

Technical Memorandum FINAL

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Prepared for: County of San Mateo, Burlingame Hills Sewer Maintenance District

Project Title: Wastewater Collection System Capacity Assurance Plan and Master Plan Update

Project No: 139924-003-001

Technical Memorandum No. 1

Subject: System Performance Evaluation – Collection System Field Inspections (Task 2)

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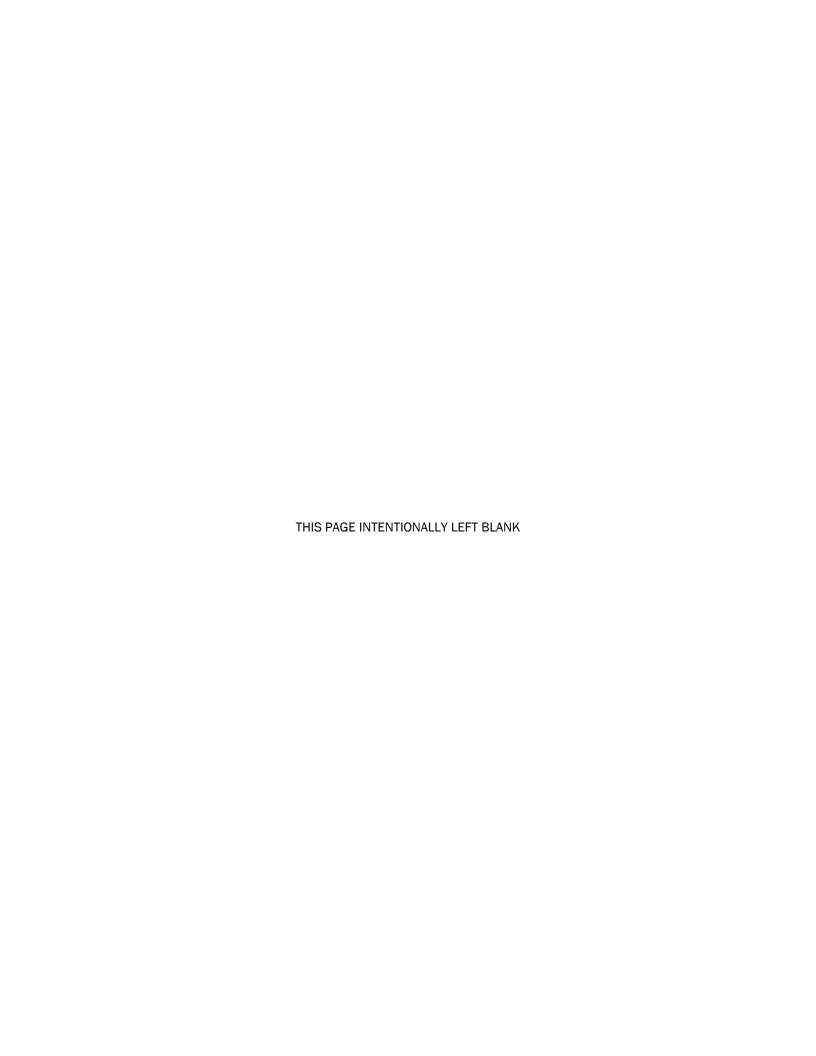


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Technical Memorandum

1. System Performance Evaluation – Collection System Field Inspections

This Technical Memorandum 1 (TM 1) documents the results of the collection system field inspections completed in the Burlingame Hills Sewer Maintenance District's (District) wastewater collection system and presents recommendations to address infiltration/inflow (I/I) deficiencies. Collection system field inspections included I/I and closed circuit television (CCTV) inspections. I/I field inspections documented in this TM include smoke testing, dye testing, and manhole inspections performed to identify and document public and private I/I defects. CCTV inspections documented in this TM were conducted and evaluated by the District. Recommended improvements are developed and presented in TM 4, Capital Improvement Plan.

1.1 Introduction

The intent of the District Wastewater Collection System Capacity Assurance Plan and Master Plan Update (Master Plan Update) project is to develop an update to the 1999 Master Plan utilizing flow monitoring data collected in the District and the City of Burlingame (City) in 2009 and field inspection data collected as part of this project.

1.1.1 Scope of Work

The scope of work for the Master Plan Update includes the following tasks:

- 1. Project Management
- 2. Infiltration/Inflow (I/I) Field Inspections
- 3. Hydraulic Model Development
- 4. System Performance Evaluation and Capacity Assurance Plan
- 5. Capital Improvement Plan Development

TM 1 is the deliverable for Task 2, Infiltration/Inflow (I/I) Field Inspections.

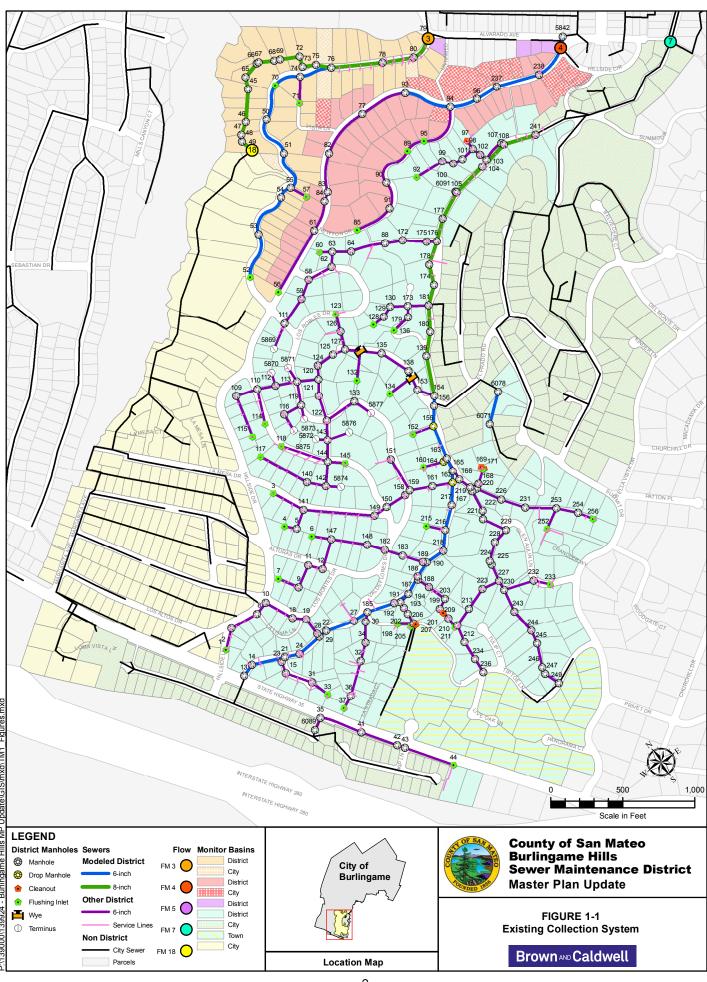
1.1.2 Service Area

The District service area encompasses approximately 161 acres located in the County of San Mateo (County) on the San Francisco Peninsula. The District is roughly bounded by Canyon Road and Summit Drive in the south, Skyline Boulevard and Tiptoe Lane in the west, Hillside Drive and Adeline Drive in the north and Alvarado Avenue in the east. Figure 1-1 shows the District service area and collection system.

1.1.3 Existing Collection System

The District's collection system consists of approximately 6.6 miles of mainly 6-inch to 8-inch-diameter vitrified clay pipe. There are three main trunk sewers in the District, located on Adeline Drive, Canyon Road and Hillside Drive. These sewers roughly divide the District service area into three major drainage areas.

The District's collection system also transports City and Town of Hillsborough (Town) flows in the trunk sewers on Adeline Drive and Canyon Road and in the sewer on Canyon Road upstream of the trunk sewer. The contributing City and Town areas (approximately 165 acres) are also shown on Figure 1-1.



District service area flows are conveyed by gravity to the City collection system and transported to and treated at the City's wastewater treatment plant (WWTP). Wastewater pumping stations are not required in the District due to the topography in the service area. The District trunk sewers discharge to the City's collection system at three different City manholes:

- E3-21012 at Adeline Drive and Alvarado Avenue
- E3-21099 at Hillside Drive and Alvarado Avenue
- E3-21067 at Canyon Road and Summit Drive.

1.1.4 Previous Planning Reports and Information

An evaluation of the District's wastewater collection system was completed in 1999. The City, which transports and treats the District's wastewater and contributes flows to District's sewers, retained Brown and Caldwell to prepare an evaluation of their wastewater collection system in 2010. Brown and Caldwell's scope of work for the City's project did not include similar private-sector I/I field investigations in City areas contributing flows to the District, though that task is a requirement of the City's Consent Decree. A list of the reports, planning documents, and information used in the development of this Master Plan Update is included in the References section.

Hydraulic modeling was performed using the hydraulic model developed in TM 2, Hydraulic Model Development. The hydraulic performance of the modeled sewers was evaluated in TM 3, System Performance Evaluation and Capacity Assurance Plan – Hydraulics. The three flow monitoring basins that include the District collection system were identified as candidates for rehabilitation for I/I reduction, and capacity improvement projects were recommended for the Adeline Drive and Canyon Road Trunk Sewers.

1.2 Smoke Testing

This section describes the smoke testing fieldwork and smoke source observations. The purpose of smoke testing is to identify potential I/I sources. Smoke testing is considered better at detecting potential inflow sources than potential infiltration sources. Smoke testing is performed by connecting a blower at a manhole to force smoke into the collection system. The smoke exits at potential inflow locations and sometimes at locations where infiltration may enter the collection system. Smoke testing is used to identify potential I/I sources on the following structures:

- Laterals (upper and lower)
- Cleanouts (upper and lower)
- Area drains
- Downspouts
- Storm drains
- Sewer manholes
- · Sewer mains

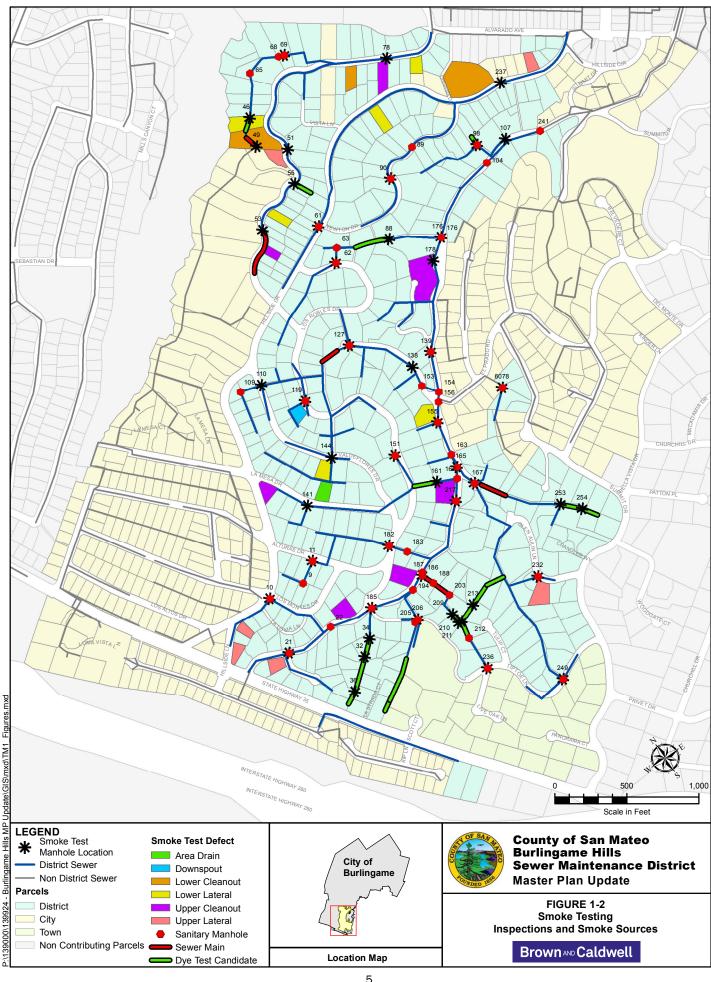
Sources that are directly connected (plumbed) to the sanitary sewer with a large drainage area will have the most impact on the system performance.

For inspection purposes, laterals and cleanouts are described as "upper" and "lower", depending on their location. The lower lateral is defined as the portion of the lateral between the cleanout (typically at the property line) and the sewer main. This cleanout is known as the lower cleanout. The upper lateral is defined as the portion of the lateral between the lower cleanout and the house or building. Often, an additional cleanout is located between the lower cleanout and the house. This cleanout is known as the upper cleanout. In the District, ownership of the entire lateral and cleanout system from the house to the sewer main belongs to the property owner and not the District.

1.2.1 Smoke Testing Fieldwork

Smoke testing fieldwork, shown on Figure 1-2, was performed throughout the District collection system by E2 Consulting Engineers (E2). Smoke testing was performed in the following periods between October and November 2010:

- October 26-28, 2010
- November 2-4, 2010
- November 11, 2010



Smoke testing was performed on dry weather days to limit the potential for reduced testing effectiveness due to high groundwater levels. Smoke sources were documented (by street address and location sketch) on paper inspection forms and photographed with a digital camera.

Field crews performed smoke testing from 49 manholes, shown on Figure 1-2. Smoke testing results were obtained for 221 of 238 reaches. Smoke testing could not be successfully completed for 17 pipe reaches because of difficulty accessing the manholes or some pipeline condition (such as roots or sags) that blocked the smoke from traveling the entire length of the pipe. Reaches where smoke testing was not successful were identified as candidates for dye testing fieldwork to identify any potential I/I sources.

1.2.2 Smoke Sources

Data on smoke source observations collected during inspections were recorded in a smoke testing Microsoft Access database, and a report was generated for each record in this database. A sample smoke testing report is shown in Figure 1-3 and all reports are included in Attachment A.

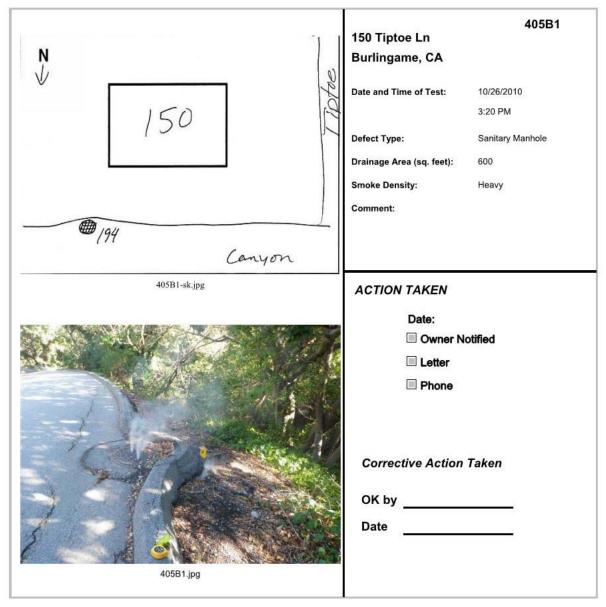


Figure 1-3. Sample Smoke Testing Report

Eighty-six smoke sources were documented during smoke testing. These smoke sources are summarized in Table 1-1 and shown on Figure 1-2.

Table 1-1. Smoke Source Summary					
Source Category	Structure Where Smoke Was Observed	Number of Observations			
Private	Upper Cleanout	7			
	Upper Lateral	6			
	Area Drain	1			
	Downspout	2			
	Lower Cleanout	3			
	Lower Lateral	7			
Public	Storm Drain	0			
	Sewer Manhole	52			
	Sewer Main	8			
	Total 86				

The most common public smoke source location was at the manhole, with 52 smoke source observations through holes in the cover or other leaks around the manhole. These defects can be corrected by replacing vented manhole covers and by repairing the seal between the manhole frame and chimney interface as part of the manhole rehabilitation program. This program is discussed in more detail in TM 4, Capital Improvement Plan Development.

No cross-connections to the public storm drain system were identified during smoke testing. Six sewer mains with potential defects were identified by eight smoke source observations. We recommend CCTV inspection of these mains to further classify the defects.

Twenty-six smoke sources were observed on private property laterals, cleanouts, and downspouts for 25 residences, summarized in Table 1-2. One downspout connection was confirmed during smoke testing at 162 Los Robles Drive, as shown in Figure 1-4. Dye testing was performed at four of the properties to confirm the source of the smoke, as noted in the table.

We recommend the District work with the owners at properties with smoke sources to remove improper downspout connections and test and repair lateral or cleanout defects in accordance with the sewer ordinance.

Table 1-2. Smoke Sources – Private Property Locations		
Address	Smoke Defect Observation Source	
2815 Adeline Drive	Lower Lateral	
2825 Adeline Drive ¹	Lower Cleanout-1	
	Upper Cleanout	
2835 Adeline Drive	Lower Cleanout	
2880 Adeline Drive	Lower Lateral	
2884 Adeline Drive	Lower Cleanout	

Table 1-2. Smoke Sources – Private Property Locations		
Address	Smoke Defect Observation Source	
2886 Adeline Drive	Upper Lateral	
2909 Adeline Drive	Lower Lateral	
2925 Adeline Drive	Upper Cleanout	
2920 Canyon Road	Upper Cleanout	
3004 Canyon Road	Lower Lateral	
3028 Canyon Road	Upper Cleanout	
3110 Canyon Road	Upper Cleanout	
10 Crystal Terrace	Upper Lateral	
135 Glen Aulin Lane	Upper Lateral	
2810 Hillside Drive	Upper Lateral	
2832 Hillside Drive	Lower Cleanout	
2861 Hillside Drive	Lower Lateral	
3135 Hillside Drive	Upper Lateral	
3151 Hillside Drive	Upper Lateral	
100 La Mesa Drive	Upper Cleanout	
125 La Mesa Drive ²	Area Drain	
	Downspout	
162 Los Robles Drive	Downspout	
142 Valdeflores Drive ³	Lower Lateral	
181 Valdeflores Drive	Upper Cleanout	

¹Confirmed as lower cleanout during dye testing

²Multiple connection points (see dye testing results)

³Downspout was not connected (see dye testing results)

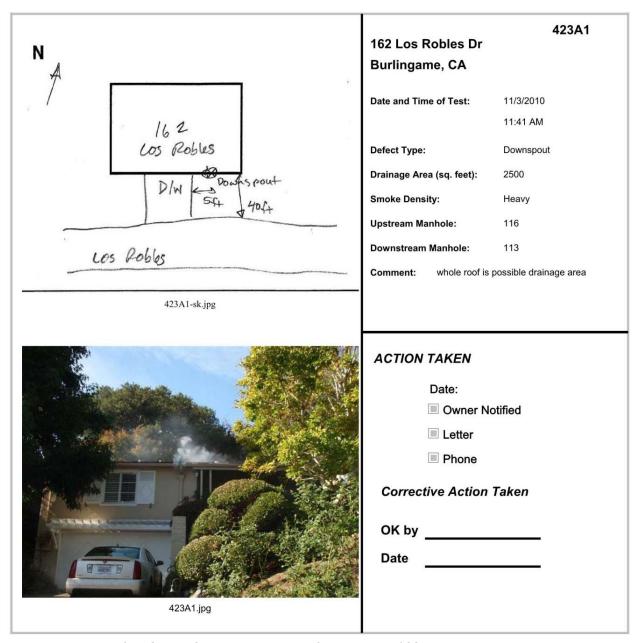


Figure 1-4. Smoke Source – Downspout Connection at 162 Los Robles Drive

1.3 Dye Testing Field Inspections

This section describes the dye testing fieldwork and observations. Dye testing is used to test:

- "Suspect" I/I sources, such as buried downspouts and area drains, observed during smoke testing fieldwork, that may be connected to the sewer system but did not smoke.
- Storm drainage systems that smoked during smoke testing to confirm improper connections.

Dye testing was also performed in areas which could not be tested during smoke testing.

1.3.1 Dye Testing Fieldwork

Dye testing fieldwork was performed by E2 in April 2011 at 27 locations. Inspection crews performed additional field reconnaissance for "suspect" downspouts and area drains, and tested with water first to confirm sources that drain to a surface location or storm drain in order to minimize the potential discharge of dye. Dye testing fieldwork was documented by street address and location sketch on inspection forms and positive dye testing results were photographed with a digital camera. A sample dye testing inspection form is shown in Figure 1-5 and all forms are included in Attachment B.

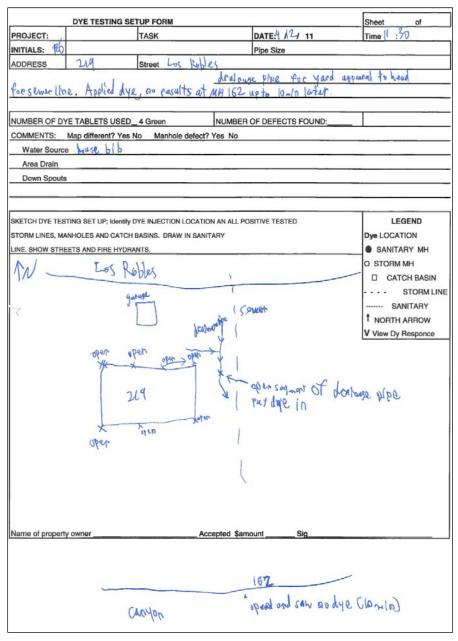
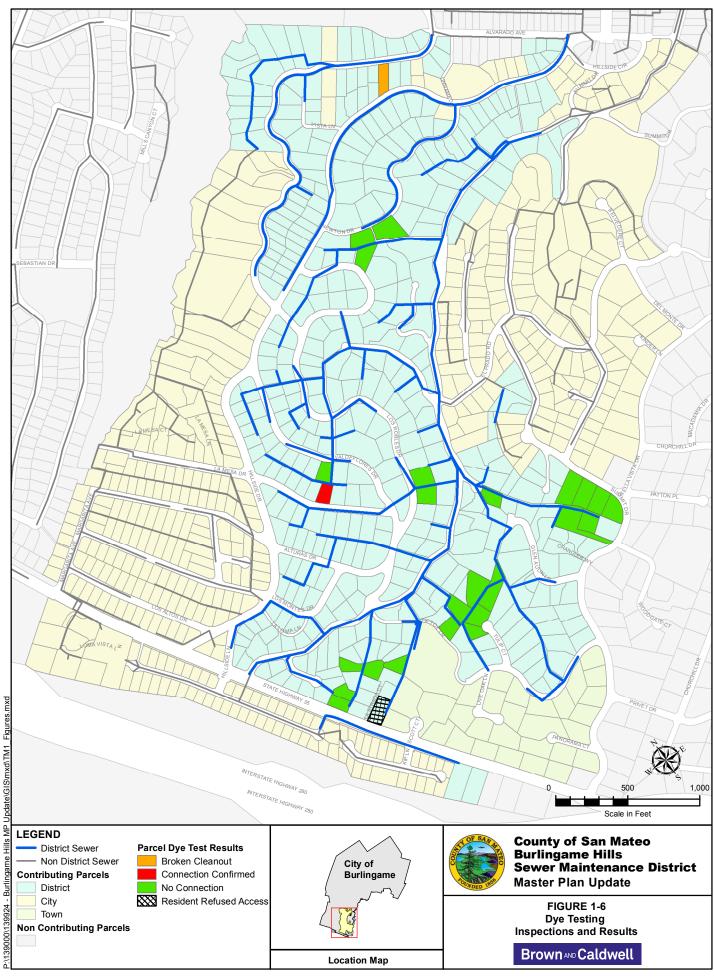


Figure 1-5. Sample Dye Testing Inspection Form

1.3.2 Dye Testing Results

The dye testing locations and results are summarized in Table 1-3 and shown on Figure 1-6. Of the 27 potential sources, only one had a positive dye testing result. A number of area drains at 125 La Mesa Court are connected to manhole 142, as illustrated on Figure 1-7. We recommend the District work with the property owner to remove these improper connections.

Table 1-3. Dye Testing Locations and Results			
Address	"Suspect" Source	Result	
2825 Adeline Drive	Cleanout	Broken cleanout	
125 La Mesa Drive	Downspout, Area drain	Confirmed Connection	
1 La Strada Court	Downspout	No Connection	
5 La Strada Court	Downspout	No Connection	
11 La Strada Court	Downspout	No Connection	
16 La Strada Court	Downspout	No Connection	
18 La Strada Court	Downspout	No Connection	
115 Los Robles Drive	Downspout	No Connection	
213 Los Robles Drive	Downspout	No Connection	
219 Los Robles Drive	Area drain	No Connection	
141 Newton Drive	Downspout	No Connection	
145 Newton Drive	Downspout	No Connection	
6081 Skyline Blvd	Downspout	Resident Refused Access to Property	
2774 Summit Drive	Downspout	No Connection	
2778 Summit Drive	Downspout	No Connection	
2784 Summit Drive	Downspout	No Connection	
2810 Summit Drive	Downspout	No Connection	
2814 Summit Drive	Downspout	No Connection	
2818 Summit Drive	Downspout	No Connection	
3 Tiara Court	Lateral	No Connection	
90 Tiptoe Lane	Downspout	No Connection	
96 Tiptoe Lane	Downspout	No Connection	
100 Tiptoe Lane	Downspout	No Connection	
35 Tulip Court	Downspout	No Connection	
48 Tulip Court	Downspout	No Connection	
50 Tulip Court	Downspout	No Connection	
142 Valdeflores Drive	Downspout	No Connection	



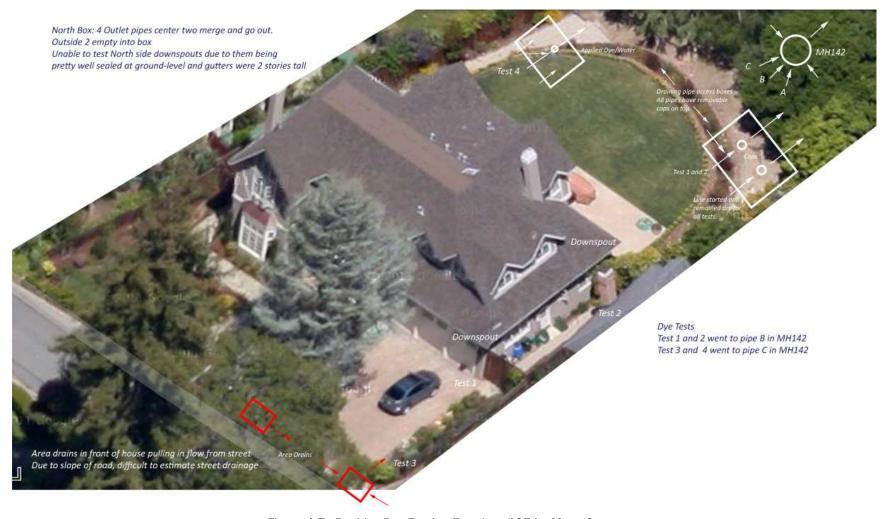


Figure 1-7. Positive Dye Testing Result at 125 La Mesa Court

1.4 Manhole Inspections

This section describes the manhole inspection fieldwork and defect observations.

1.4.1 Manhole Inspection Fieldwork

There are 240 access structures on District sewer mains shown in the District GIS:

- 186 manholes or drop manholes
- 43 cleanouts and flushing inlets
- 9 terminuses
- 2 wyes

Manhole inspections were performed by E2 in January 2011. Surface inspections were completed on 204 District manhole structures, as shown on Figure 1-8. Field crews documented the following types of information for each inspection:

- · Asset information such as rim to invert and other measurements and construction materials
- Structural and Operations and Maintenance (O&M) condition defect observations
- · Location information such as proximity to storm drains and waterways, and access limitations

The asset information and condition defect observation data was collected on inspection forms based on the National Association of Sewer Service Companies' (NASSCO) Manhole Assessment and Certification Program (MACP). The location criteria data were collected using forms supplied by the District. The forms used to collect this information are presented in Attachment C. Completed manhole inspection forms are included in Attachment D and completed manhole location criteria forms are included in Attachment E.

1.4.2 Manhole Defect Observations

Manhole defect observations were recorded in a Microsoft Access manhole inspection database based on the standard MACP database. Frame, cover, insert, seal, and adjustment ring conditions were recorded in an asset information table and other manhole condition defect observations were recorded in a defect table in accordance with MACP standards.

One hundred twelve manholes out of 191 (not including cleanouts) were observed to have defects during the surface inspections. These defects are summarized in Table 1-4 and manholes with defects are shown on Figure 1-8, and details provided in Attachment D.

The most common manhole defects were evidence of infiltration (stains), roots, cracked seals, and deterioration of the mortar between bricks or mortar coatings. One hundred thirty-eight of the District manholes have brick components. There was no corrosion observed of the reinforced concrete manhole components. Twenty-four of the manholes with evidence of infiltration also had cracked seals.

1.4.3 Other Manhole Observations

The MACP system has a specific group of condition categories for frame, cover, insert, seal, and adjustment ring conditions and acceptable defect codes to describe the structural and maintenance condition of other manhole components. Therefore, some data collected in accordance with MACP is recorded as asset information, even though it provides information on manhole conditions that are potential sources of I/I entering the collection system or could interfere with maintenance activities. Information on these conditions is presented in this section.

Vented Manholes. Eighty-three manholes were vented with more than two holes in the cover. These holes are potential sources of I/I in areas where ponding can occur over the manhole. Evidence of infiltration was observed at 18 of the 83 manholes.

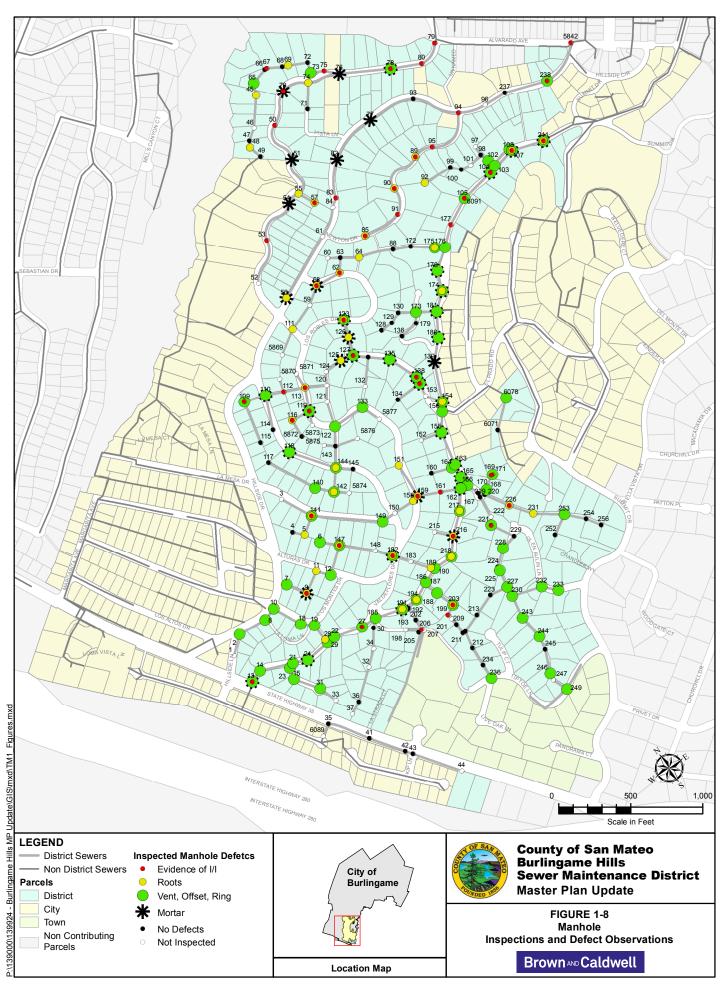


		Table 1-4. Manhole Defec	t Summary		
Type of Defect	Defect Code	Defect Description	Defect Location	Number of Manholes	Percent ²
			Frame	6	3
			Chimney	36	19
nfiltration	IS	Infiltration stain	Cone	14	7
			Wall	3	2
		Number of Manholes W	ith Infiltration Defects	51	27
nflow	-	Drainage pipes connected to manhole	Bench	1	<1
			Chimney	13	7
	RF/RT	Roots fine/tap	Cone	21	11
			Wall	2	1
Dooto		Number of Manhol	es Minor Root Defects	34	18
Roots			Cone	13	7
	RM	Roots medium	Wall	3	2
			Pipe	2	1
		Number of Manholes With N	Moderate Root Defects	15	8
	SRI	Surface Roughness (Cementitious Coating)	Chimney	1	<1
			Cone	1	<1
		Surface Spalling (Cementitious Coating)	Chimney	3	2
	SSS		Cone	6	3
			Wall	2	1
		Missing Mortar, small/medium	Chimney	9	5
Mortar	MMS/M		Cone	10	5
Deterioration ¹			Wall	4	2
	MML Missing Mortar, large		Chimney	4	2
			Cone	5	3
			Wall	1	<1
	ST-2	Scratch Test Rating = 2, (Penetration ¼ inch)	Cone	2	1
	ST-3	Scratch Test Rating =3, (Penetration ½ inch)	Cone	1	<1
		Number of Manhol	38	20	
Driolaucela	МВ	Missing Brick	Cone	1	<1
Brickwork	DB	Displaced Brick	Cone	1	<1
Frame	Offset	Frame Offset ≥ 1 inch	Frame	6	3
Frame Seal	Seal Cracked	Frame Seal Cracked	Frame Seal	37	19
Adjustment Ring	Cracked	Adjustment Ring Cracked	Adjustment Ring	8	4
Deposits and	DAGS	Grease	Bench and Channel	1	<1
Debris	DAZ	Other Deposits	Bench and Channel	7	4
Surcharge		Evidence of surcharge or blockage	Pipe	2	1

 $^{{}^{\}scriptscriptstyle 1}\!\text{Of}$ mortar between bricks or cementitious coatings in brick manholes

 $^{^{2}\}text{Of }191 \text{ total manholes inspected, not including cleanouts}$





Manholes Below Grade. Manhole inspection crews noted that two manholes were below grade, MH 3 and 112. There was also evidence of infiltration at MH 112. We recommend the District raise these manholes.

Manholes Could Not Be Opened. One manhole (MH 100) was covered by vegetation and one manhole (MH 212) was blocked by a fence. We recommend the District work with the private property owners to remove the obstructions so the manhole can be inspected and accessed for maintenance activities.

Exposed Pipe. A 4-inch-diameter vitrified clay pipe (VCP) was exposed along the hillside of 193 Los Robles Drive near MH 134, a flushing inlet. We recommend the District identify the owner of this pipe and work with the property owner to test and repair this lateral in accordance with the sewer ordinance.

Improper Connections. Manhole 67 had four small drain pipes connected to the manhole on Blackhawk Lane, a private road. These pipes are shown on Figure 1-9. The source was not identified during smoke or dye testing. We recommend the District investigate the source of the pipes and work with the private property owners to remove the connections, if improper.



Figure 1-9. Drain Pipes Connected at Manhole 67

Manhole Bypassed. MH 88 was no longer in service, piping was observed bypassing this manhole. The ground around MH 172 was damp. This is the discharge point for the bypass of MH 88. We recommend a maintenance inspection of this bypass to determine if it is operating properly.

Evidence of Potential Overflow or Surcharge. The resident at 124 La Mesa Court reported frequent overflows during field inspection of MH 6. Sewage accumulation was observed on the bench of MH 85 at the discharge point of the lateral. Evidence of surcharge or blockage was observed at two manholes (MH 75 and

MH 6071). We recommend cleaning and CCTV inspection of the following mains to determine if there is any maintenance or structural problems with the sewer mains:

- MH 6 (cleanout) to 147
- MH 75 to 76
- MH 85 to 91
- MH 6071 to 6078

1.5 CCTV Inspection Information

This section documents the CCTV inspection results provided by the District for inspections completed between 2008 and 2010, as well as the review of the results of the CCTV inspection program included in the 1999 Master Plan.

1.5.1 2008-2010 CCTV Inspections

The District provided a spreadsheet summary of the CCTV inspections completed in 2008, 2009 and 2010. Thirty-one reaches, totaling 4,960 feet, were inspected and structural or maintenance defects were identified on 23 reaches, shown on Figure 1-10 and summarized in Table 1-5.

Defects were corrected through cleaning or repair on six reaches since inspection. We recommend repair or replacement to correct any remaining NASSCO Pipeline Assessment and Certification Program (PACP) grade 4 or 5 structural defects in accordance with the requirements of the Consent Decree. These defects would include:

- Broken
- Holes
- Multiple fractures (longitudinal and circumferential fractures that intersect)
- Hinge fractures (two or more longitudinal fractures at the same location)

1.5.2 1999 Master Plan Inspections

1999 Master Plan CCTV inspection results were reviewed to identify reaches with known or suspected structural deficiencies in order to recommend priorities for the District's forthcoming CCTV inspection and condition assessment program required under the Consent Decree. CCTV inspection results for 42 additional reaches, totaling 7,340 feet, are shown on Figure 1-10. The defects are summarized in Table 1-6, which shows the worst defect only for the reach. These defects were ranked as follows, from most to least severe:

- Broken/Hole
- · Fractures/Cracks
- Sag
- Joint Offset
- Roots
- Deposits

We recommend prioritization of the CCTV inspection of reaches with prior broken/hole, fractures/cracks, or sag defect observations.



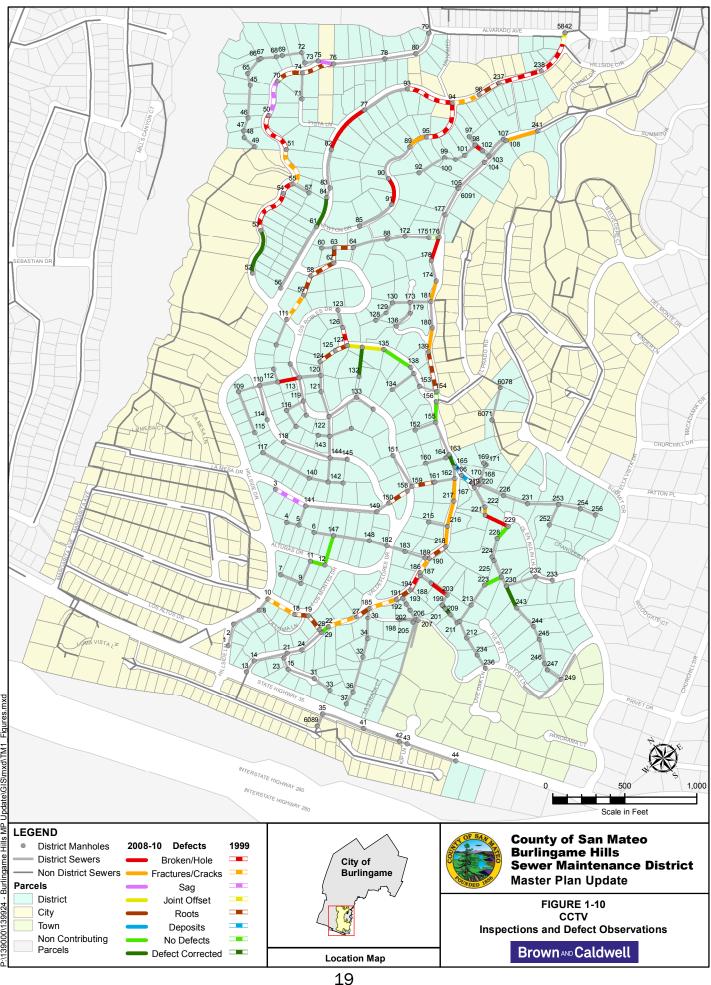


Table 1-5. CCTV Inspection Data (2008-2010)				
Upstream Manhole	Downstream Manhole	Defects Observed		
11	9	None		
12	147	None		
29	22	None		
52	23	Repaired (Broken/Hole)		
61	84	Repaired (Broken/Hole)		
75	76	Sag		
82	77	Broken/Hole		
89	95	Fractures/Cracks		
91	90	Broken/Hole		
98	102	Broken/Hole		
108	241	Fractures/Cracks		
112	113	Broken/Hole		
127	137	Joint Offset		
132	131	Repaired (Collapsed)		
135	138	None		
139	180	Fractures/Cracks		
155	156	None		
165	163	Obstruction Removed (Piece of Pipe)		
178	174	Broken/Hole		
181	174	Fractures/Cracks		
187	186	None		
201	199	Repaired (Broken/Hole)		
203	188	Broken/Hole		
216	217	Fractures/Cracks		
217	216	Fractures/Cracks		
218	216	Fractures/Cracks		
221	222	Fractures/Cracks		
223	227	None		
228	229	None		
229	221	Broken/Hole		
243	230	Repaired (Fractures/Cracks)		

Table 1-6. CCTV Inspection Data (1999)				
Upstream Manhole	Old ID - Upstream MH	Downstream Manhole	Old ID - Downstream MH	Defects Observed
3	113	141	110	Sag
10	87	18	86	Fractures/Cracks
18	86	19	85	Roots
19	85	28	84	Roots
22	75	27	74	Fractures/Cracks
27	74	185	71	Roots
28	84	29	76	None
50	307	70	306	Sag
51	308	50	307	Broken/Hole
53	312	54	311	Broken/Hole
54	311	55	309	Broken/Hole
55	309	51	308	Fractures/Cracks
58	160	62	159	Roots
59	161	58	160	Roots
62	159	63	158	Roots
63	158	64	157	Roots
70	306	74	304	Roots
74	304	76	303	Roots
93	210	94	204	Broken/Hole
94	204	96	203	Fractures/Cracks
95	205	94	204	Broken/Hole
96	203	237	202	Roots
111	162	59	161	Fractures/Cracks
124	128	125	127	Roots
125	127	127	126	Roots
126	147	127	126	Broken/Hole
150	108	158	107	Roots
154	13	138	122	Roots
156	14	154	13	None
159	106	150	108	Roots
166	17	163	16	Deposits
167	18	166	17	Deposits
168	19	167	18	Roots
175	152	176	7	None
185	71	191	70	Fractures/Cracks
186	52	190	51	Fractures/Cracks
190	51	218	50	Roots
191	70	194	62	Roots
194	62	186	52	Broken/Hole
237	202	238	201	Broken/Hole
238	201	E3-21099 (City)	200-A	Broken/Hole
E3-21099 (City)	200-A	5842	200	Joint Offset
()				-

1.6 System Performance Evaluation

This section describes the analysis performed to develop recommendations to address collection system I/I and structural deficiencies to reduce the occurrence of Sanitary Sewer Overflows (SSO). Collection system rehabilitation to reduce peak wet weather flows through I/I reduction is evaluated in the hydraulic system performance evaluation presented in TM 3. Recommended projects, costs, and a schedule for construction of the improvements to address deficiencies will be developed and prioritized in TM 4, Capital Improvement Plan Development.

1.6.1 Findings

The following findings can be made from the results of this analysis:

- There were no cross-connections identified to the public storm drainage system.
- There were a few major sources of I/I identified during field inspections, these include one property with connected downspouts (162 Los Robles Drive), one property with multiple connected downspouts and area drains (125 La Mesa Court), and one manhole (MH 67) with apparent drain pipe connections. The improper connections are significant enough to potentially overwhelm 6-inch-diameter local sewers.
- · Manhole covers with vents are potential inflow sources in areas where ponding can occur.
- Field inspections identified minor infiltration defects and minor and moderate structural and maintenance defects that are potential sources of infiltration in District manholes. These defects include infiltration stains; frame, cover, and adjustment ring defects; mortar deterioration; and roots.

1.6.2 Infiltration/Inflow Improvement Recommendations

Infiltration/inflow improvement recommendations were identified to address current I/I deficiencies and reduce the potential for future I/I. The recommendations, identified in Table 1-7, are included in the system-wide rehabilitation plan presented in Section 4.3 of TM 4, Capital Improvement Plan Development.

Table 1-7. Infiltration/Inflow Improvement Recommendations			
Defect Type	Activity	Location	
Private	Coordination with property owners to disconnect inflow sources in accordance with the sewer ordinance.	See Table 1-2 and 1-3	
Private	Coordination with property owners to test and repair lateral and cleanouts in accordance with the sewer ordinance.	See Table 1-2 and 1-3	
Public	Prioritization of rehabilitation of pipes and manholes for I/I reduction in basins with the highest I/I in the District's collection system and where previous CCTV inspections have identified structural defects in the pipes.	Hillside Drive Trunk Sewer Newton Drive Sewer	
Public	Repair or replace manhole frames, covers, and adjustment rings with evidence of I/I, vented covers, offset frames, or cracked adjustment rings. I/I may enter the manhole at these locations.	See Table D-1	
Public	Repair or replace manholes with mortar deterioration or root defects for rehabilitation for I/I reduction. I/I may enter the manhole at these locations.	See Table D-1	

1.6.3 Structural Improvement Recommendations

Structural improvement recommendations were identified to address known structural deficiencies and prioritize CCTV inspection of sewers with higher likelihood of SSOs due to structural failures. Based on information reviewed for this project, the most critical deficiencies were identified on the Los Robles Drive, Adeline Drive and Canyon Road sewers. The District will complete CCTV inspection and condition assessment of these sewers and all sewer pipes older than 10 years under the requirements of the Consent Decree. The Consent Decree also requires spot repairs or replacement of reaches with broken/hole or multiple fractures defects that are PACP Condition Grade 4 or 5. The defect severity will dictate rehabilitation schedule.



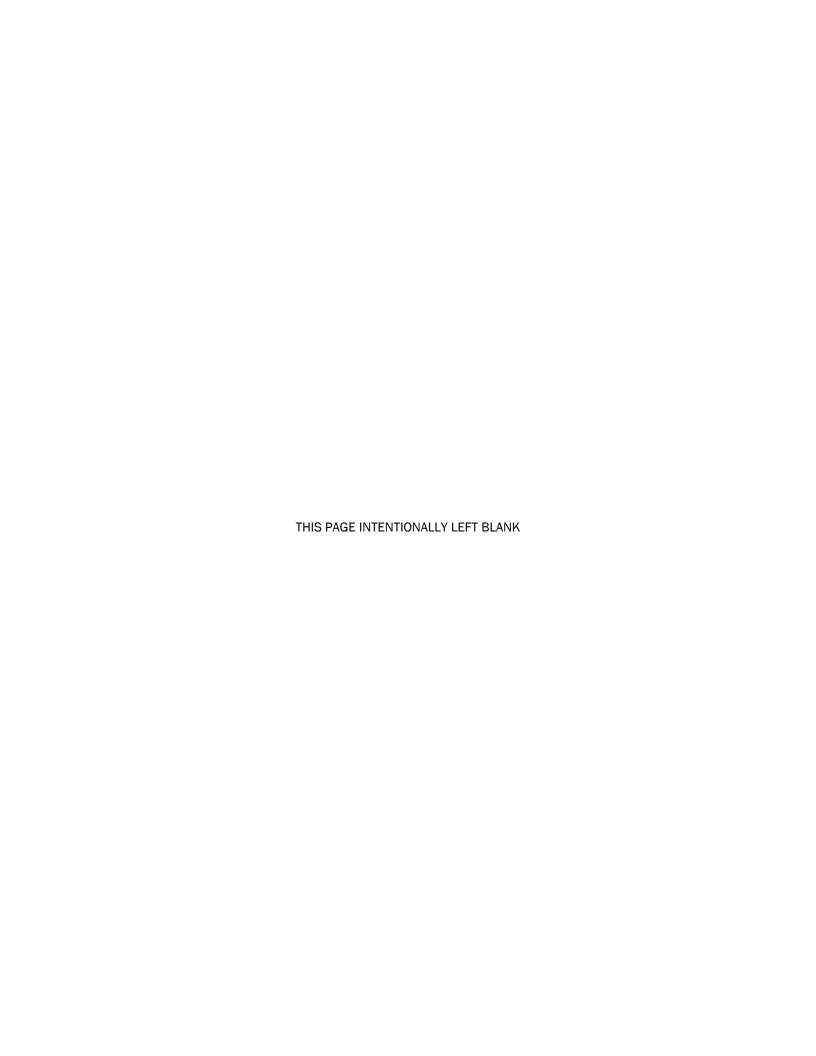
References

Brown and Caldwell, Wastewater Collection System Master Plan, City of Burlingame, California, October 2010.

Brown and Caldwell, Sewer Master Plan, Burlingame Hills Sewer Maintenance District, County of San Mateo, California, December 1999.

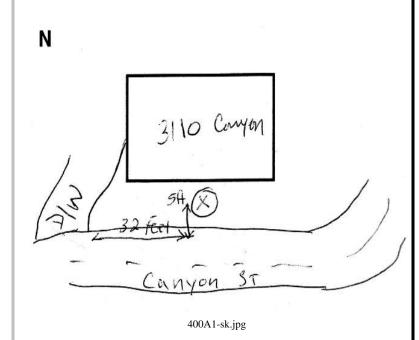
County of San Mateo, Geographical Information System (GIS), Parcels, 2009.

Attachment A: Smoke Testing Reports





400A1



3110 Canyon rd Burlingame, CA

Date and Time of Test:

10/26/2010

12:00 PM

Defect Type:

Upper Cleanout

Drainage Area (sq. feet):

2000

Smoke Density:

Light

Upstream Manhole:

22

Downstream Manhole:

7

Comment:



ACTION TAKEN

Date:

Owner Notified

Letter

Phone

Corrective Action Taken

OK by



400B1

N 10 Canjon

10 Crystal tr Burlingame, CA

Date and Time of Test:

10/26/2010

12:00 PM

Defect Type:

Sanitary Manhole

Drainage Area (sq. feet):

25

Smoke Density:

Light

Upstream Manhole:

21

Downstream Manhole:

21

Comment:



400B1-sk.jpg

ACTION TAKEN

Date:

Owner Notified

Letter

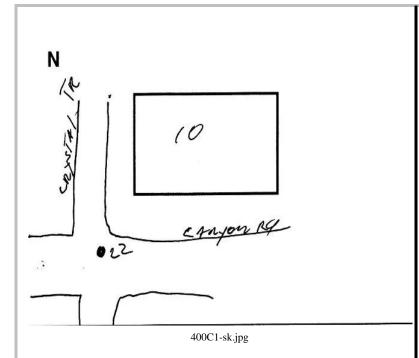
Phone

Corrective Action Taken

OK by



400C1



10 Crystal tr Burlingame, CA

Date and Time of Test: 10/26/2010

12:00 PM

Defect Type: Sanitary Manhole

Drainage Area (sq. feet): 25

Smoke Density: Light

Upstream Manhole: 22

Downstream Manhole: 22

Comment:



ACTION TAKEN

Date:

Owner Notified

Letter

Phone

Corrective Action Taken

OK by



400D1

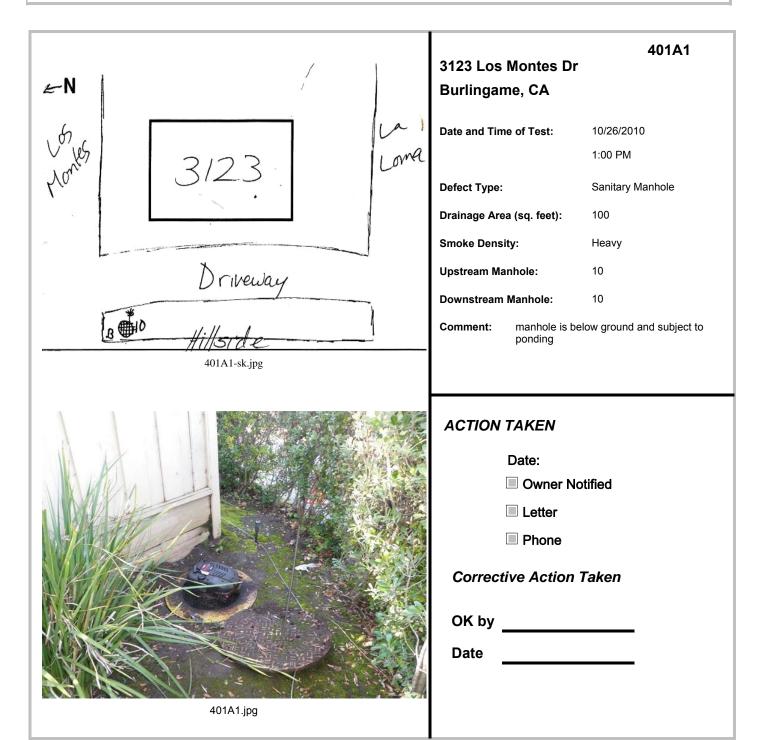
10 Crystal tr N Burlingame, CA Date and Time of Test: 10/26/2010 12:00 PM 10 Defect Type: Upper Lateral Drainage Area (sq. feet): Smoke Density: Light **Upstream Manhole:** 15 Downstream Manhole: Comment: 3 Ft at edge of sidewalk 400D1-sk.jpg **ACTION TAKEN** Date: Owner Notified Letter Phone **Corrective Action Taken**

OK by _____

Date

400D1.jpg

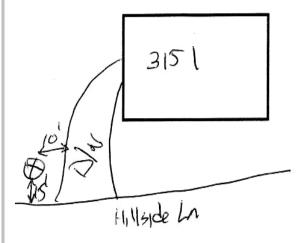






401B1

N



401B1-sk.jpg

3151 Hillside Ln Burlingame, CA

Date and Time of Test:

10/26/2010

1:00 PM

Defect Type:

Upper Lateral

Drainage Area (sq. feet):

300

Smoke Density:

Light

Upstream Manhole:

Downstream Manhole:

Comment:

suspect lateral defect water coming out of irrigation control valve



401B1.jpg

ACTION TAKEN

Date:

Owner Notified

Letter

Phone

Corrective Action Taken

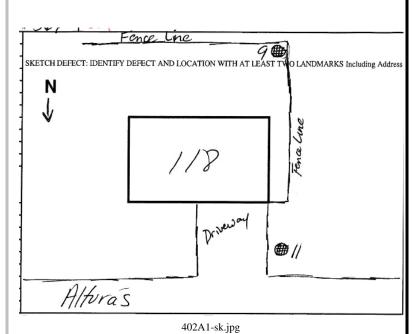
OK by



			3135 Hillside Dr	401C1
N			Burlingame, CA	
		1	Date and Time of Test:	10/26/2010
	3135			1:00 PM
			Defect Type:	Upper Lateral
		J.	Drainage Area (sq. feet):	40
			Smoke Density:	Light
] 3			Upstream Manhole:	2
13 25' Q15'		Downstream Manhole:	8	
thiliside			Comment:	
	401C1-sk.jpg			
F 200 C. V. V. V.				
			ACTION TAKEN	
		Date:		
			Owner Notified	
			LetterPhone	
		Corrective Action Taken		
			OK by	
		1	Date	
	不得其金包			<u></u>
401C1.jpg				



402A1



118 Alturas Dr

Burlingame, CA

Date and Time of Test: 10/26/2010

1:45 PM

Defect Type: Sanitary Manhole

Drainage Area (sq. feet): 25

Smoke Density: Light

Upstream Manhole: 11

Downstream Manhole: 11

Comment:



ACTION TAKEN

Date:

Owner Notified

Letter

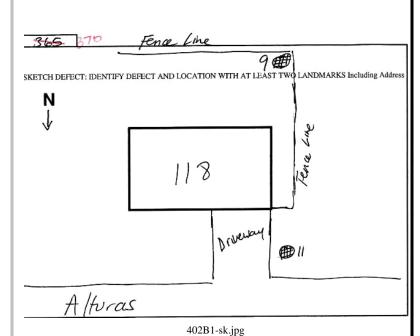
Phone

Corrective Action Taken

OK by



402B1



118 Alturas Dr Burlingame, CA

Date and Time of Test: 10/26/2010

1:45 PM

Defect Type: Sanitary Manhole

Drainage Area (sq. feet): 25

Smoke Density: Light

Upstream Manhole: 9

Downstream Manhole: 9

Comment:



ACTION TAKEN

Date:

Owner Notified

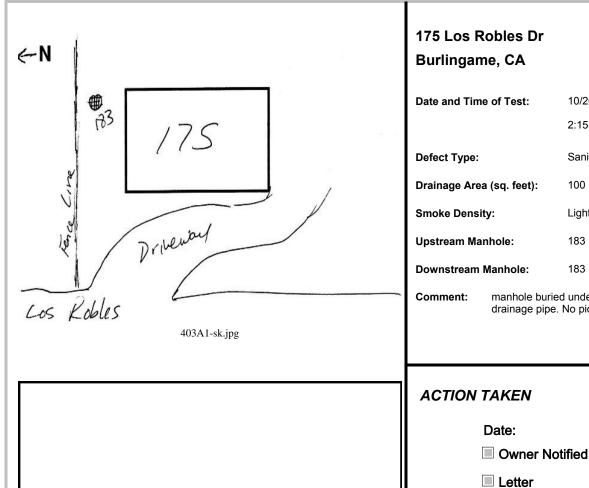
Letter

Phone

Corrective Action Taken

OK by





403A1

10/26/2010

2:15 PM

Sanitary Manhole

100

Light

183

183

manhole buried under landscape and

drainage pipe. No picture(buried MH)

No Picture Taken

403A1.jpg

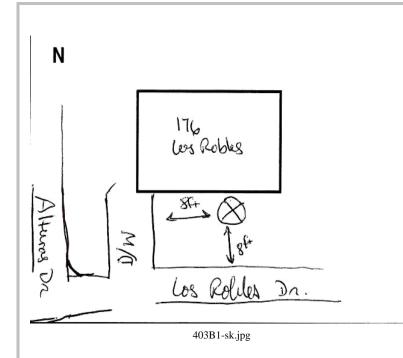
Phone

Corrective Action Taken

OK by ____



403B1



176 Los Robles Dr Burlingame, CA

Date and Time of Test:

10/26/2010

2:15 PM

Defect Type:

Sanitary Manhole

Drainage Area (sq. feet):

30

Smoke Density:

Light

Upstream Manhole:

182

Downstream Manhole:

182

Comment:



ACTION TAKEN

Date:

Owner Notified

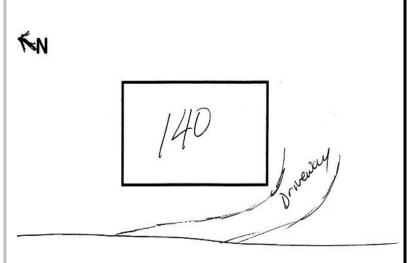
Letter

Phone

Corrective Action Taken

OK by





404A1

140 Tiptoe Ln Burlingame, CA

Date and Time of Test:

10/26/2010

2:45 PM

Defect Type:

Sanitary Manhole

Drainage Area (sq. feet):

300

Smoke Density:

Light

Upstream Manhole:

206

Downstream Manhole:

206

Comment:

Tiptoe



404A1-sk.jpg





Date:

Letter

Phone

Owner Notified

Corrective Action Taken

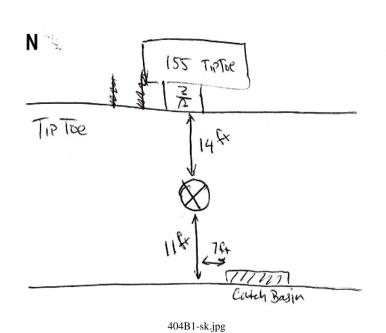
OK by _____

Date

404A1.jpg



404B1



155 Tiptoe Ln Burlingame, CA

Date and Time of Test: 10/26/2010

2:45 PM

Defect Type: Sanitary Manhole

Drainage Area (sq. feet): 25

Smoke Density: Light

Upstream Manhole: 205

Downstream Manhole: 205

Comment:



404B1.jpg

ACTION TAKEN

Date:

Owner Notified

Letter

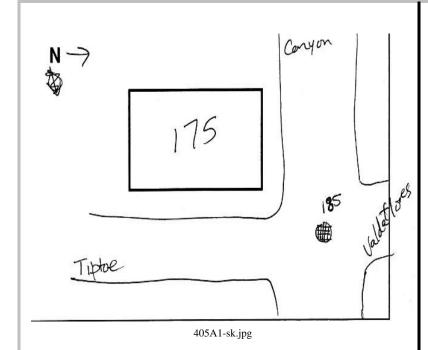
Phone

Corrective Action Taken

OK by



405A1



175 Tiptoe Ln Burlingame, CA

Date and Time of Test: 10/26/2010

3:20 PM

Defect Type:

Sanitary Manhole

Drainage Area (sq. feet):

1000

Smoke Density:

Light

Upstream Manhole:

185

Downstream Manhole:

185

Comment:



ACTION TAKEN

Date:

Owner Notified

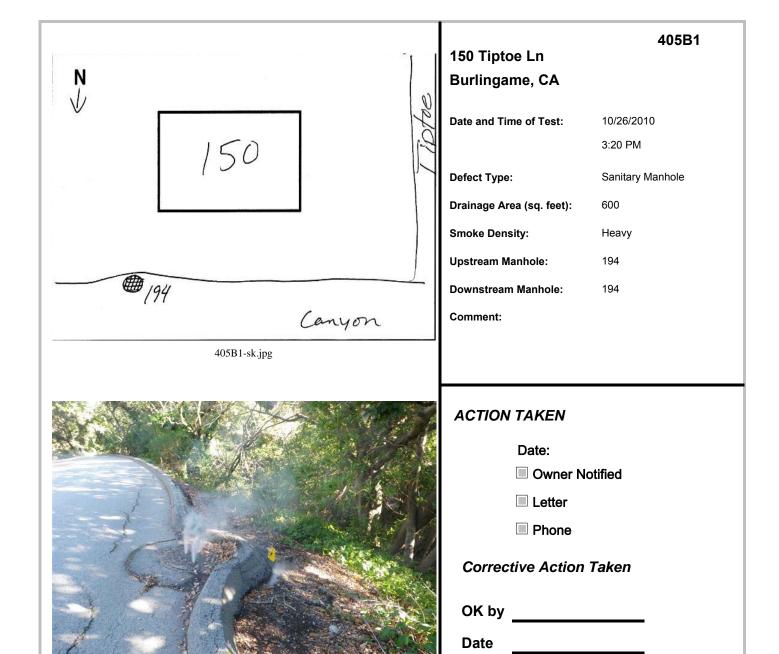
Letter

Phone

Corrective Action Taken

OK by

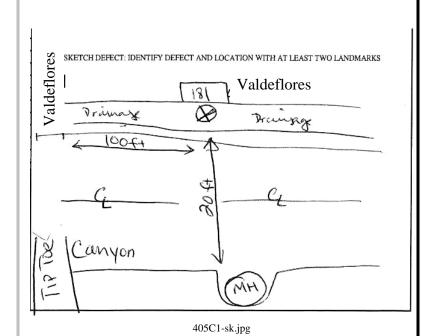




405B1.jpg



405C1



181 Valdeflores Dr Burlingame, CA

Date and Time of Test: 10/26/2010

3:20 PM

Defect Type: Upper Cleanout

Drainage Area (sq. feet): 2000

Smoke Density: Light

Upstream Manhole: 191

Downstream Manhole: 192

Comment: cleanout number 181 at bottom of drainage ditch is possibly leaking. The

whole gutter could be possible drainage

area.



ACTION TAKEN

Date:

Owner Notified

Letter

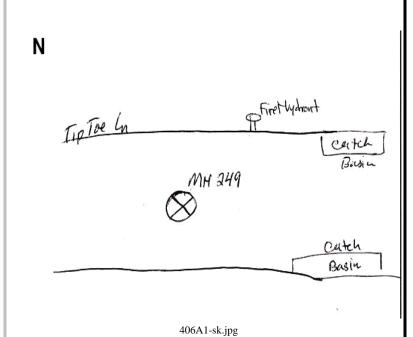
Phone

Corrective Action Taken

OK by



406A1



20 Tiptoe Ln Burlingame, CA

Date and Time of Test:

10/27/2010

11:07 AM

Defect Type:

Sanitary Manhole

Drainage Area (sq. feet):

25

Smoke Density:

Light

Upstream Manhole:

249

Downstream Manhole:

249

Comment:



ACTION TAKEN

Date:

Owner Notified

Letter

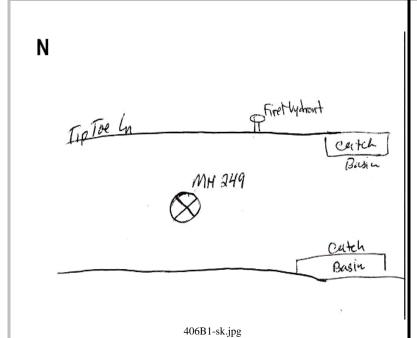
Phone

Corrective Action Taken

OK by



406B1



15 Tiptoe Ln Burlingame, CA

Date and Time of Test:

10/27/2010

11:07 AM

Defect Type:

Sanitary Manhole

Drainage Area (sq. feet):

25

Smoke Density:

Light

Upstream Manhole:

250

Downstream Manhole:

250

Comment:



ACTION TAKEN

Date:

Owner Notified

Letter

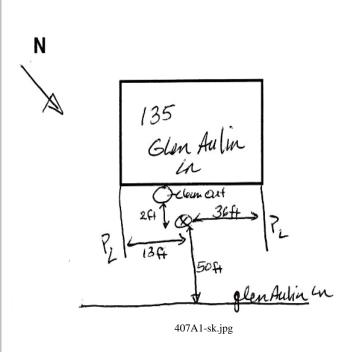
Phone

Corrective Action Taken

OK by



407A1



135 Glen Aulin Ln Burlingame, CA

Date and Time of Test: 10/27/2010

11:35 AM

Defect Type: Upper Lateral

Drainage Area (sq. feet): 100

Smoke Density: Light

Upstream Manhole: 233

Downstream Manhole: 232

Comment:



ACTION TAKEN

Date:

Owner Notified

Letter

Phone

Corrective Action Taken

OK by



407B1



139 Glen Aulin Ln Burlingame, CA

Date and Time of Test: 10/27/2010

11:35 AM

Defect Type: Sanitary Manhole

Drainage Area (sq. feet): 40

Smoke Density: Light

Upstream Manhole: 232

Downstream Manhole: 232

Comment: mh 232 smoking from cracks around it.



ACTION TAKEN

Date:

Owner Notified

Letter

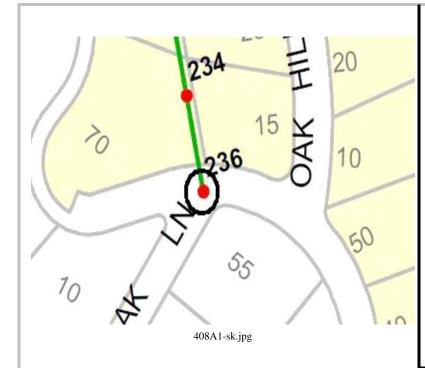
Phone

Corrective Action Taken

OK by



408A1



70 Tiptoe Ln Burlingame, CA

Date and Time of Test: 10/27/2010

1:10 PM

Defect Type: Sanitary Manhole

Drainage Area (sq. feet): 50

Smoke Density: Light

Upstream Manhole: 236

Downstream Manhole: 236

Comment: MH 236 defect



408A1.jpg

ACTION TAKEN

Date:

Owner Notified

Letter

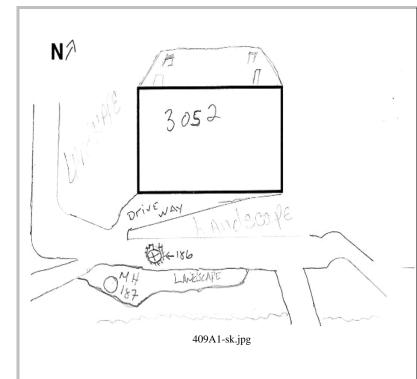
Phone

Corrective Action Taken

OK by _____



409A1



3052 Canyon rd Burlingame, CA

Date and Time of Test:

10/27/2010

1:50 PM

Defect Type:

Sanitary Manhole

Drainage Area (sq. feet):

100

Smoke Density:

Heavy

Upstream Manhole:

186

Downstream Manhole:

186

Comment:

smoke coming from cracks around manhole 186



ACTION TAKEN

Date:

Owner Notified

Letter

Phone

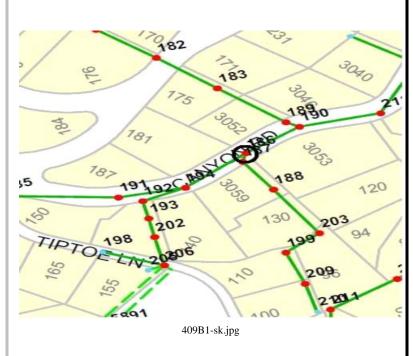
Corrective Action Taken

OK by

Date

409A1.jpg





409B1

3059 Canyon rd Burlingame, CA

Date and Time of Test: 10/27/2010

1:50 PM

Defect Type: Sanitary Manhole

Drainage Area (sq. feet): 25

Smoke Density: Light

Upstream Manhole: 187

Downstream Manhole: 187

Comment: smoking around mh 187



ACTION TAKEN

Date:

Owner Notified

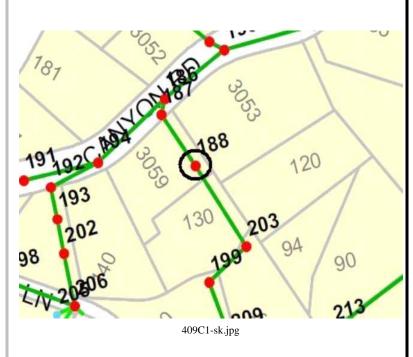
Letter

Phone

Corrective Action Taken

OK by





409C1 3059 Canyon rd

Burlingame, CA

Date and Time of Test: 10/27/2010

1:50 PM

Defect Type: Sanitary Manhole

Drainage Area (sq. feet): 4

Smoke Density: Light

Upstream Manhole: 188

Downstream Manhole: 188

Comment: MH 188 Defect



ACTION TAKEN

Date:

Owner Notified

Letter

Phone

Corrective Action Taken

OK by



409D1

Canyon

187 OMH

188

1884

409D1-sk.jpg

3059 Canyon rd Burlingame, CA

Date and Time of Test: 10/27/2010

1:50 PM

Defect Type: Sewer Main

Drainage Area (sq. feet): 1

Smoke Density: Light

Upstream Manhole: 188

Downstream Manhole: 187

Comment: defect on main 18ft north of mh 188



409D1.jpg

ACTION TAKEN

Date:

Owner Notified

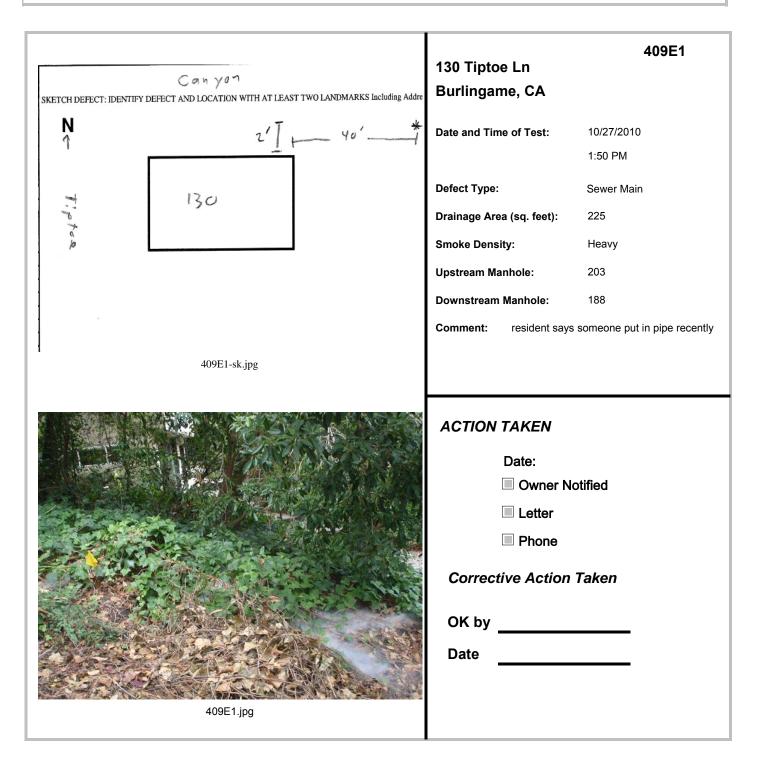
Letter

Phone

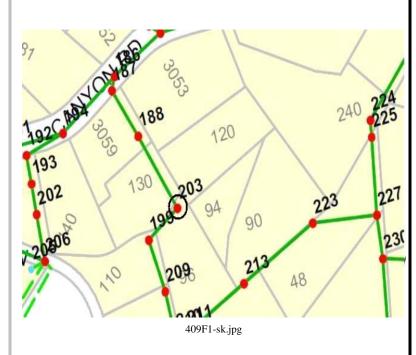
Corrective Action Taken

OK by









409F1 130 Tiptoe Ln

Burlingame, CA

Date and Time of Test: 10/27/2010

1:50 PM

Defect Type: Sanitary Manhole

Drainage Area (sq. feet): 4

Smoke Density: Light

Upstream Manhole: 203

Downstream Manhole: 203

Comment: MH 203



409F1.jpg

ACTION TAKEN

Date:

Owner Notified

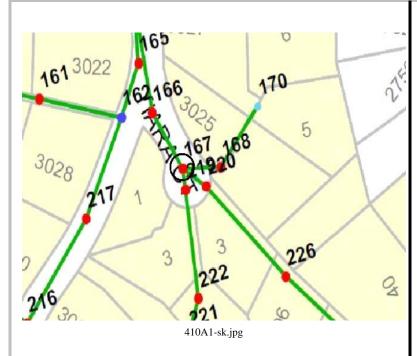
Letter

Phone

Corrective Action Taken

OK by





410A1 3 Tiara Ct

Burlingame, CA

Date and Time of Test: 10/27/2010

2:49 PM

Defect Type: Sanitary Manhole

Drainage Area (sq. feet):

Smoke Density: Light

Upstream Manhole: 167

Downstream Manhole: 167

Comment: MH 167 defect



410A1.jpg

ACTION TAKEN

Date:

Owner Notified

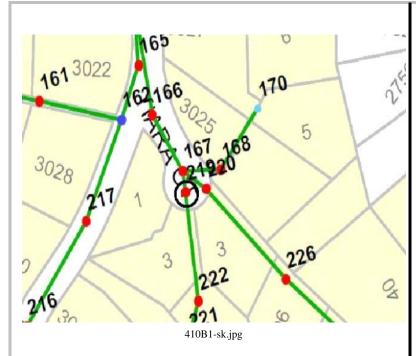
Letter

Phone

Corrective Action Taken

OK by





410B1 2 Tiara Ct

Burlingame, CA

Date and Time of Test: 10/27/2010

2:49 PM

Defect Type: Sanitary Manhole

Drainage Area (sq. feet): 4

Smoke Density: Light

Upstream Manhole: 167

Downstream Manhole: 220

Comment: MH 212 defect



ACTION TAKEN

Date:

Owner Notified

Letter

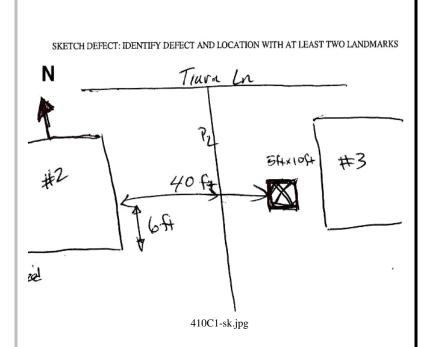
Phone

Corrective Action Taken

OK by



410C1



3 Tiara Ct Burlingame, CA

Date and Time of Test: 10/27/2010

2:49 PM

Defect Type: Sewer Main

Drainage Area (sq. feet): 200

Smoke Density: Light

Upstream Manhole: 222

Downstream Manhole: 219

 $5x10\ ft$ patch of non localized smoke in the yard of House 3 Comment:



ACTION TAKEN

Date:

Owner Notified

Letter

Phone

Corrective Action Taken

OK by



411A1

Ia Megasa MH #3 15 fx

411A1-sk.jpg

100 La Mesa Dr Burlingame, CA

Date and Time of Test: 10/27/2010

3:20 PM

Defect Type: **Upper Cleanout**

Drainage Area (sq. feet): 25

Smoke Density: Heavy

Upstream Manhole:

Downstream Manhole:

15ft (approx) sw of mh 3, possibly a cleanout Comment:



ACTION TAKEN

Date:

Owner Notified

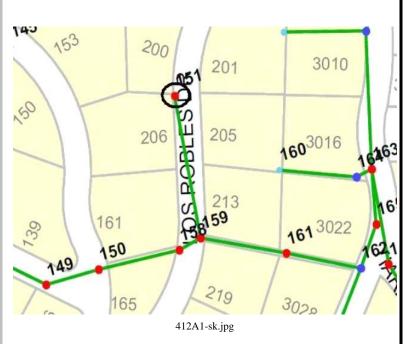
Letter

Phone

Corrective Action Taken

OK by





412A1 206 Los Robles Dr

Burlingame, CA

Date and Time of Test: 10/27/2010

4:05 PM

Defect Type: Sanitary Manhole

Drainage Area (sq. feet): 25

Smoke Density: Light

Upstream Manhole: 151

Downstream Manhole: 151

Comment: no picture. Smoke around mh151

No Picture Taken

412A1.jpg

ACTION TAKEN

Date:

Owner Notified

Letter

Phone

Corrective Action Taken

OK by



414A1



3028 Canyon rd Burlingame, CA

Date and Time of Test: 10/28/2010

10:51 AM

Defect Type: Sanitary Manhole

Drainage Area (sq. feet): 1

Smoke Density: Light

Upstream Manhole: 217

Downstream Manhole: 217

Comment: MH 217 Defect



414A1.jpg

ACTION TAKEN

Date:

Owner Notified

Letter

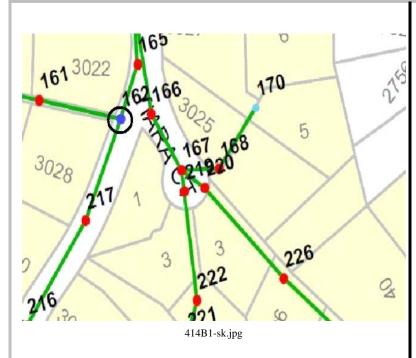
Phone

Corrective Action Taken

OK by



414B1



3022 Canyon rd Burlingame, CA

Date and Time of Test: 10/28/2010

10:51 AM

Defect Type: Sanitary Manhole

Drainage Area (sq. feet): 25

Smoke Density: Light

Upstream Manhole: 162

Downstream Manhole: 162

Comment: MH 162 defect



ACTION TAKEN

Date:

Owner Notified

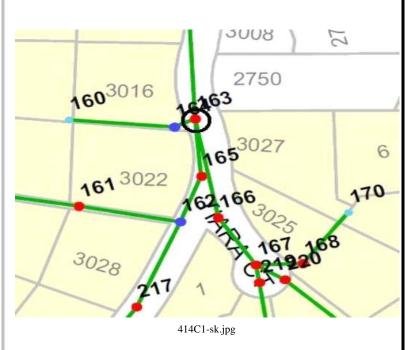
Letter

Phone

Corrective Action Taken

OK by





414C1 3022 Canyon rd

Burlingame, CA

Date and Time of Test: 10/28/2010

10:51 AM

Defect Type: Sanitary Manhole

Drainage Area (sq. feet): 25

Smoke Density: Light

Upstream Manhole: 165

Downstream Manhole: 165

Comment: MH 163 defect



ACTION TAKEN

Date:

Owner Notified

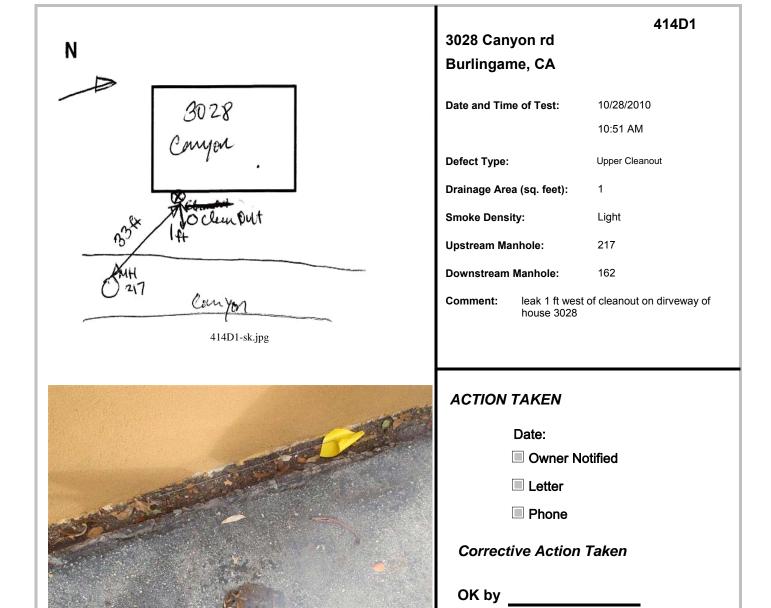
Letter

Phone

Corrective Action Taken

OK by





Date

414D1.jpg





415A1

3004 Canyon rd Burlingame, CA

Date and Time of Test: 11/2/2010

11:30 AM

Defect Type: Sanitary Manhole

Drainage Area (sq. feet): 1

Smoke Density: Light

Upstream Manhole: 155

Downstream Manhole: 155

Comment: MH 155



ACTION TAKEN

Date:

Owner Notified

Letter

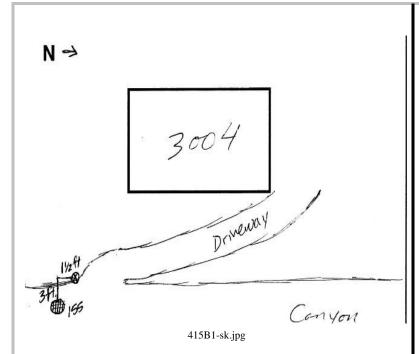
Phone

Corrective Action Taken

OK by



415B1



3004 Canyon rd Burlingame, CA

Date and Time of Test: 11/2/2010

11:30 AM

Defect Type: Lower Lateral

Drainage Area (sq. feet): 1

Smoke Density: Light

Upstream Manhole: 156

Downstream Manhole: 155

Comment:



ACTION TAKEN

Date:

Owner Notified

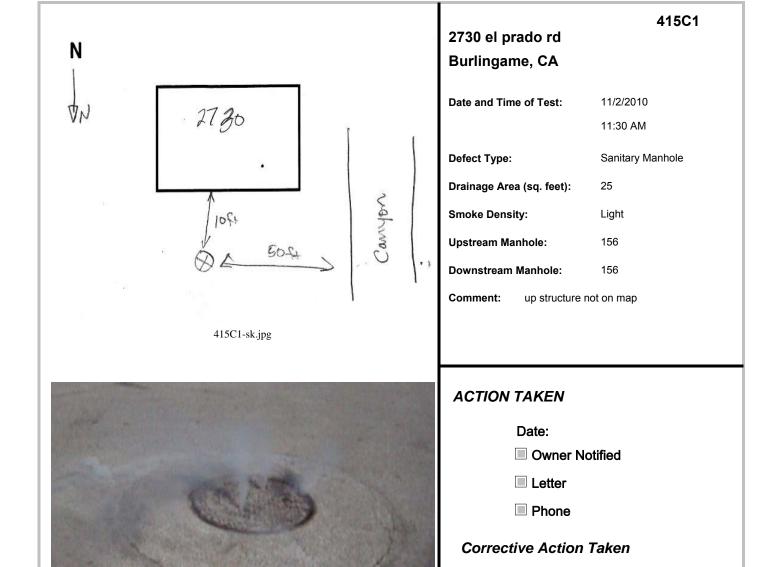
Letter

Phone

Corrective Action Taken

OK by



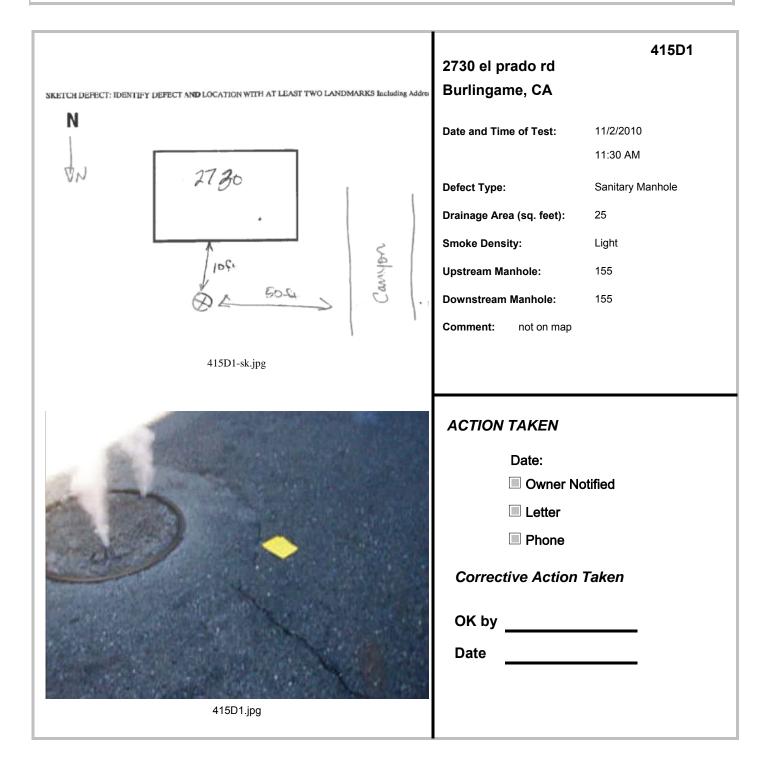


OK by _____

Date

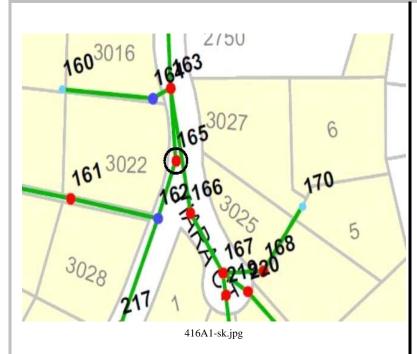
415C1.jpg







416A1



3004 Canyon rd Burlingame, CA

Date and Time of Test: 11/2/2010

12:01 PM

Defect Type: Sanitary Manhole

Drainage Area (sq. feet): 25

Smoke Density: Light

Upstream Manhole: 165

Downstream Manhole: 165

Comment: MH 165 defect



ACTION TAKEN

Date:

Owner Notified

Letter

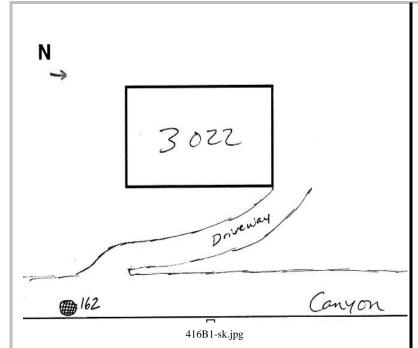
Phone

Corrective Action Taken

OK by



416B1



3022 Canyon rd Burlingame, CA

Date and Time of Test:

11/2/2010

12:01 PM

Defect Type:

Sanitary Manhole

Drainage Area (sq. feet):

400

Smoke Density:

Light

Upstream Manhole:

162

Downstream Manhole:

162

Comment:



ACTION TAKEN

Date:

Owner Notified

Letter

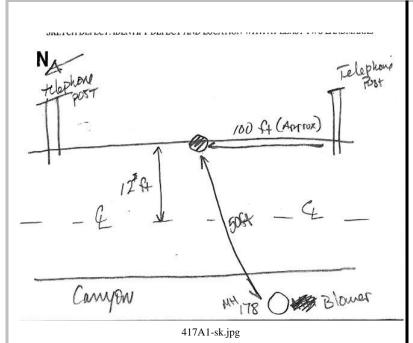
Phone

Corrective Action Taken

OK by _____



417A1



2920 Canyon rd Burlingame, CA

Date and Time of Test: 11/2/2010

12:28 PM

Defect Type: **Upper Cleanout**

Drainage Area (sq. feet): 500

Smoke Density: Heavy

Upstream Manhole: 174

Downstream Manhole: 176

Comment:



ACTION TAKEN

Date:

Owner Notified

Letter

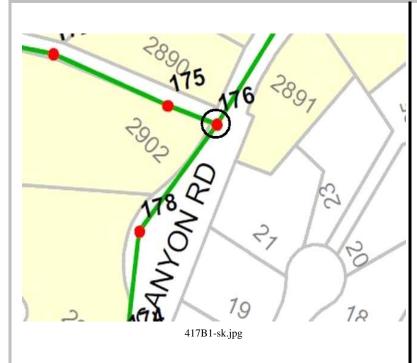
Phone

Corrective Action Taken

OK by



417B1



2890 Canyon rd Burlingame, CA

Date and Time of Test: 11/2/2010

12:28 PM

Defect Type: Sanitary Manhole

Drainage Area (sq. feet): 25

Smoke Density: Heavy

Upstream Manhole: 178

Downstream Manhole: 176

Comment: MH 176 defect



417B1.jpg

ACTION TAKEN

Date:

Owner Notified

Letter

Phone

Corrective Action Taken

OK by





419A1

103 Canyon rd Burlingame, CA

Date and Time of Test: 11/2/2010

1:41 PM

Defect Type: Sanitary Manhole

Drainage Area (sq. feet): 25

Smoke Density: Light

Upstream Manhole: 139

Downstream Manhole: 139

Comment: MH 139 Defect



419A1.jpg

ACTION TAKEN

Date:

Owner Notified

Letter

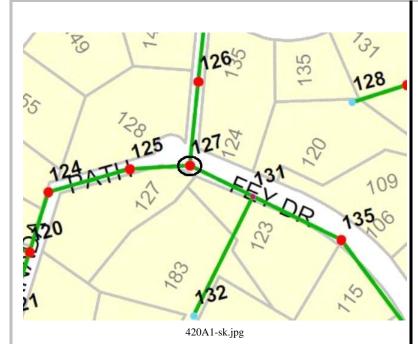
Phone

Corrective Action Taken

OK by



420A1



127 Fey Dr Burlingame, CA

Date and Time of Test: 11/2/2010

1:57 PM

Defect Type: Sanitary Manhole

Drainage Area (sq. feet): 25

Smoke Density: Light

Upstream Manhole: 127

Downstream Manhole: 127

Date:

Letter

Phone

Corrective Action Taken

Owner Notified

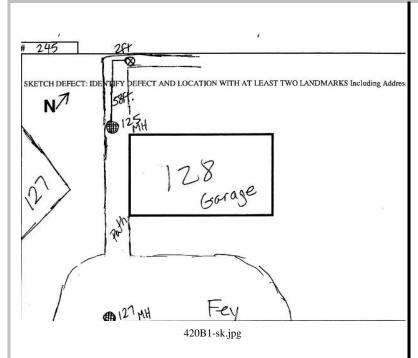
Comment: light smoke around mh 127



OK by _____



420B1



128 Fey Dr Burlingame, CA

Date and Time of Test:

11/2/2010

1:57 PM

Defect Type:

Sewer Main

Drainage Area (sq. feet):

600

Smoke Density:

Light

Upstream Manhole:

Downstream Manhole:

124 125

Comment:

defect located on path at right turn on the start of a step uphill grade



ACTION TAKEN

Date:

Owner Notified

Letter

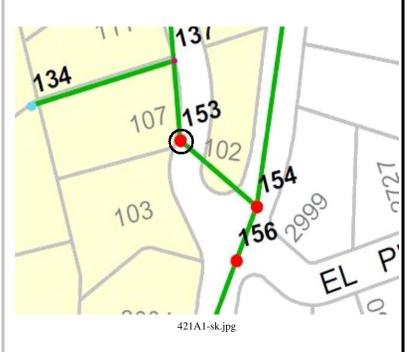
Phone

Corrective Action Taken

OK by



421A1



102 Fey Dr

Burlingame, CA

Date and Time of Test: 11/2/2010

2:31 PM

Defect Type: Sanitary Manhole

Drainage Area (sq. feet): 25

Smoke Density: Light

Upstream Manhole: 137

Downstream Manhole: 154

Comment: mh 153 has light smoke coming around it.



421A1.jpg

ACTION TAKEN

Date:

Owner Notified

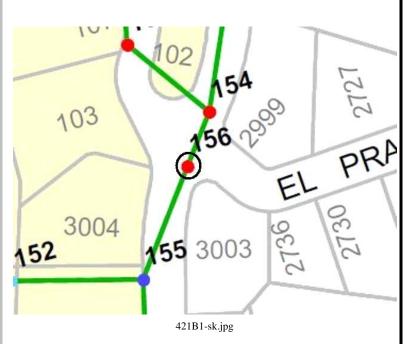
Letter

Phone

Corrective Action Taken

OK by





421B1

103 Fey Dr

Burlingame, CA

Date and Time of Test: 11/2/2010

2:31 PM

Defect Type: Sanitary Manhole

Drainage Area (sq. feet): 25

Smoke Density: Light

Upstream Manhole: 156

Downstream Manhole: 156

Comment: light smoke around mh 156



ACTION TAKEN

Date:

Owner Notified

Letter

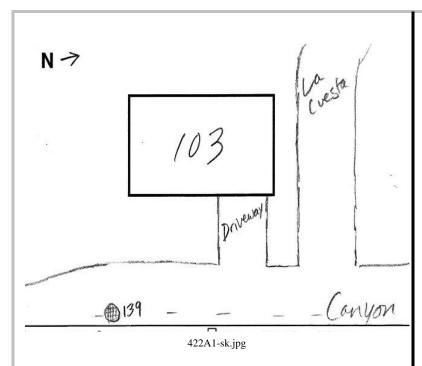
Phone

Corrective Action Taken

OK by



422A1



103 Canyon rd Burlingame, CA

Date and Time of Test:

11/3/2010

11:20 AM

Defect Type:

Sanitary Manhole

Drainage Area (sq. feet):

8000

Smoke Density:

Light

Upstream Manhole:

139

Downstream Manhole:

139

Comment:

MH 139 defect



ACTION TAKEN

Date:

Owner Notified

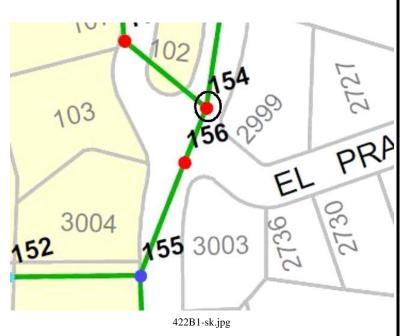
Letter

Phone

Corrective Action Taken

OK by





422B1

2999 Canyon rd Burlingame, CA

Date and Time of Test: 11/3/2010

11:20 AM

Defect Type: Sanitary Manhole

Drainage Area (sq. feet): 25

Smoke Density: Light

Upstream Manhole: 154

Downstream Manhole: 154

Comment: MH 154 defect



Letter

Phone

Owner Notified

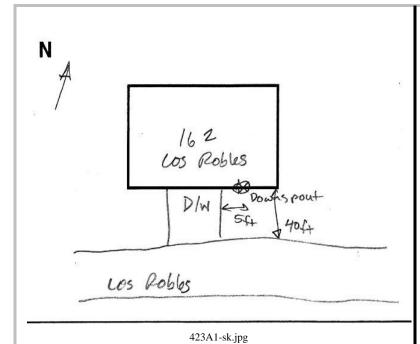
Date:

Corrective Action Taken

OK by



423A1



162 Los Robles Dr Burlingame, CA

Date and Time of Test:

11/3/2010

11:41 AM

Defect Type:

Downspout

Drainage Area (sq. feet):

2500

Smoke Density:

Heavy

Upstream Manhole:

116

Downstream Manhole:

113

Comment:

whole roof is possible drainage area



ACTION TAKEN

Date:

Owner Notified

Letter

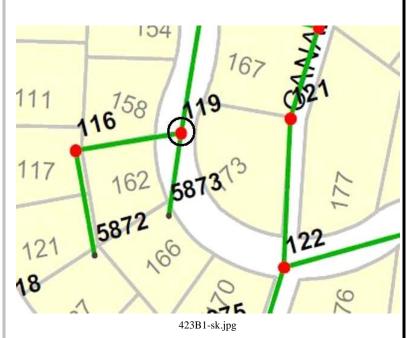
Phone

Corrective Action Taken

OK by _____



423B1



158 Los Robles Dr Burlingame, CA

Date and Time of Test: 11/3/2010

11:41 AM

Defect Type: Sanitary Manhole

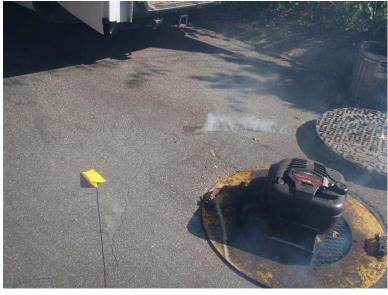
Drainage Area (sq. feet): 25

Smoke Density: Light

Upstream Manhole: 119

Downstream Manhole: 119

Comment: MH 119 defect



423B1.jpg

ACTION TAKEN

Date:

Owner Notified

Letter

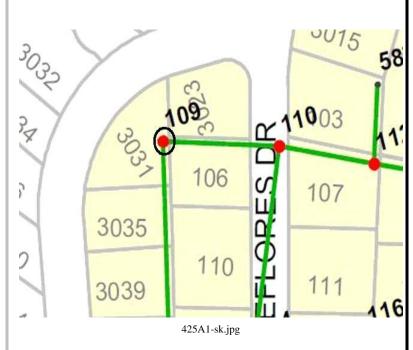
Phone

Corrective Action Taken

OK by



425A1



3023 Hillside Dr

Burlingame, CA

Date and Time of Test: 11/3/2010

12:40 PM

Defect Type: Sanitary Manhole

Drainage Area (sq. feet): 25

Smoke Density: Light

Upstream Manhole: 109

Downstream Manhole: 109

Comment: MH 109 defect



ACTION TAKEN

Date:

Owner Notified

Letter

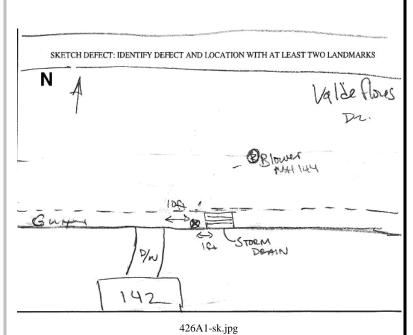
Phone

Corrective Action Taken

OK by



426A1



142 Valdeflores Dr Burlingame, CA

Date and Time of Test:

11/3/2010

1:08 PM

Defect Type:

Lower Lateral

Drainage Area (sq. feet):

100

Smoke Density:

Light

Upstream Manhole:

118

Downstream Manhole:

145

Comment:

smoke out of lateral in storm drain 10 ft

from driveway of 142 valde flores dr.



ACTION TAKEN

Date:

Owner Notified

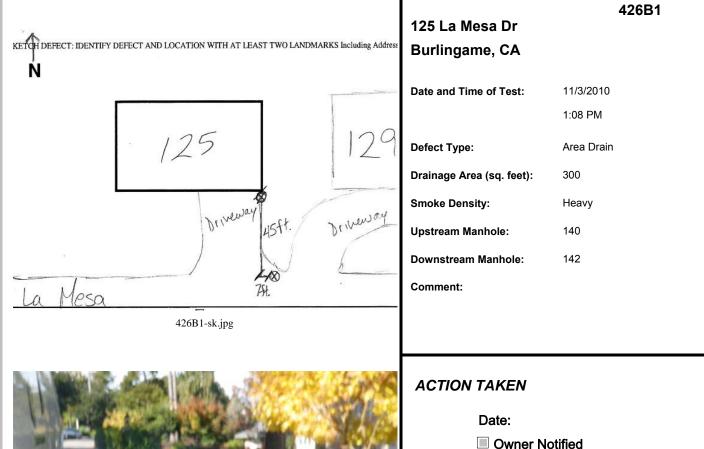
Letter

Phone

Corrective Action Taken

OK by





426B1.jpg

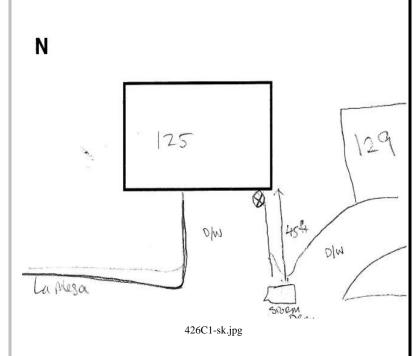
■ Phone Corrective Action Taken

Letter

OK by _____



426C1



125 La Mesa Dr Burlingame, CA

Date and Time of Test: 11/3/2010

1:08 PM

Defect Type: Downspout

Drainage Area (sq. feet): 300

Smoke Density: Heavy

Upstream Manhole: 140

Downstream Manhole: 147

Downspout at corner of house in pic may be smoking slightly Comment:



ACTION TAKEN

Date:

Owner Notified

Letter

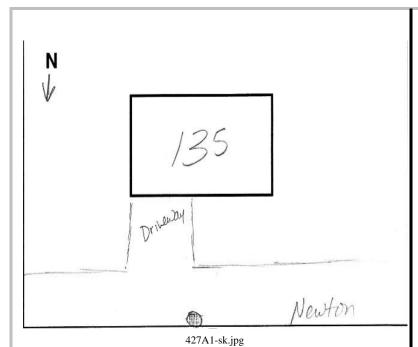
Phone

Corrective Action Taken

OK by



427A1



135 Newton Dr Burlingame, CA

Date and Time of Test: 11/3/2010

1:53 PM

Defect Type: Sanitary Manhole

Drainage Area (sq. feet): 1500

Smoke Density: Light

Upstream Manhole: 90

Downstream Manhole: 90

Comment:



_ .

ACTION TAKEN

Date:

Owner Notified

Letter

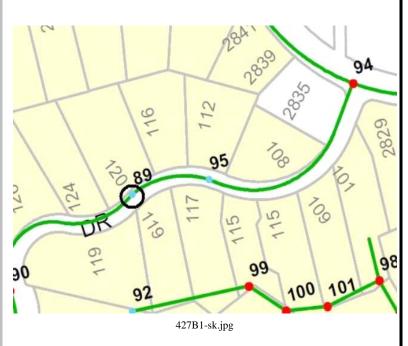
Phone

Corrective Action Taken

OK by



427B1



120 Newton Dr Burlingame, CA

Date and Time of Test: 11/3/2010

1:53 PM

Defect Type: Sanitary Manhole

Drainage Area (sq. feet): 25

Smoke Density: Light

Upstream Manhole: 120

Downstream Manhole: 89

Comment:



ACTION TAKEN

Date:

Owner Notified

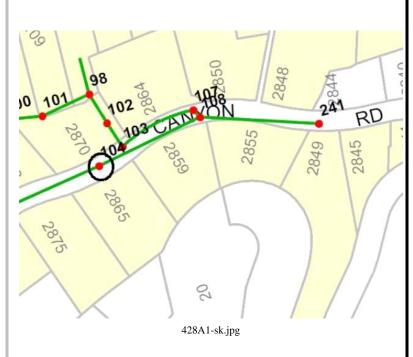
Letter

Phone

Corrective Action Taken

OK by





428A1 2870 Canyon rd

Burlingame, CA

Date and Time of Test: 11/3/2010

2:22 PM

Defect Type: Sanitary Manhole

Drainage Area (sq. feet): 25

Smoke Density: Heavy

Upstream Manhole: 104

Downstream Manhole: 104

Comment:



428A1.jpg

ACTION TAKEN

Date:

Owner Notified

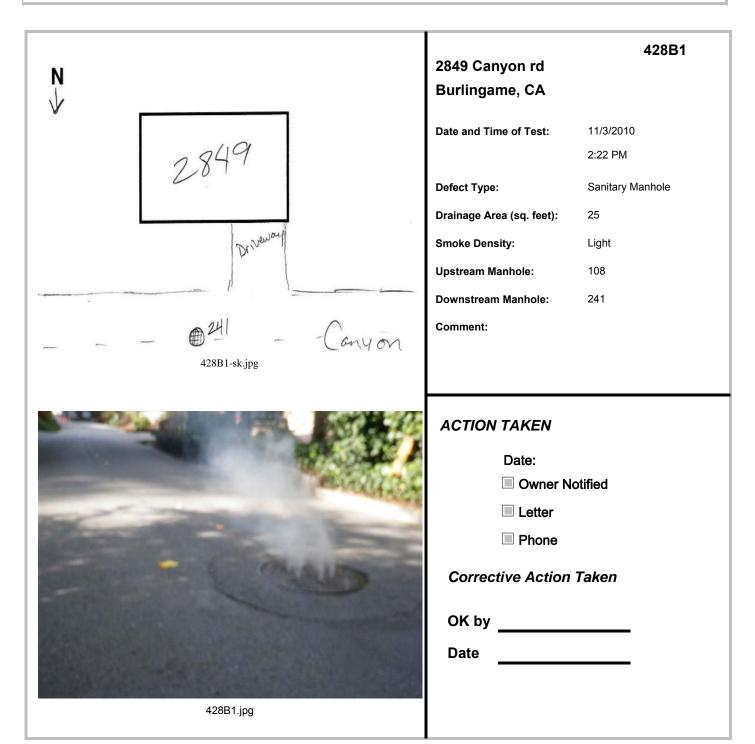
Letter

Phone

Corrective Action Taken

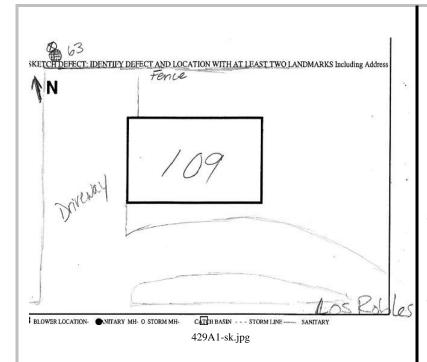
OK by







429A1



109 Los Robles Dr Burlingame, CA

Date and Time of Test:

11/4/2010

10:45 AM

Defect Type:

Sanitary Manhole

Drainage Area (sq. feet):

100

Smoke Density:

Heavy

Upstream Manhole:

62

Downstream Manhole:

Comment:

MH 63 defect

Owner Notified



Corrective Action Taken

OK by

Date

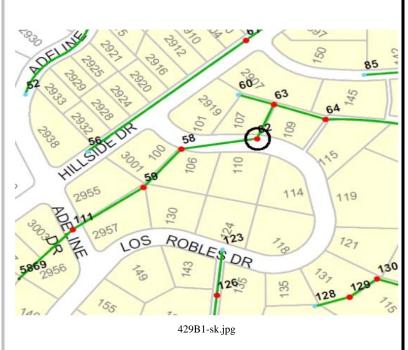
Date:

Letter

Phone



429B1



109 Los Robles Dr Burlingame, CA

Date and Time of Test: 11/4/2010

10:45 AM

Defect Type: Sanitary Manhole

Drainage Area (sq. feet): 1

Smoke Density: Light

Upstream Manhole: 62

Downstream Manhole: 62

Comment: MH 62 defect



429B1.jpg

ACTION TAKEN

Date:

Owner Notified

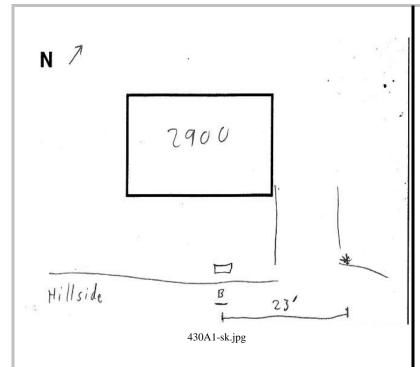
Letter

Phone

Corrective Action Taken

OK by





430A1 2900 Hillside Dr

Burlingame, CA

Date and Time of Test: 11/4/2010

11:16 AM

Defect Type: Sanitary Manhole

Drainage Area (sq. feet): 8

Smoke Density: Light

Upstream Manhole: 61

Downstream Manhole: 61

Comment:



ACTION TAKEN

Date:

Owner Notified

Letter

Phone

Corrective Action Taken

OK by



430B1

2861 Hillside

2861 Hillside Dr Burlingame, CA

Date and Time of Test:

11/4/2010

11:16 AM

Defect Type:

Lower Lateral

Drainage Area (sq. feet):

600

Smoke Density:

Heavy

Upstream Manhole:

82

Downstream Manhole:

3

Comment:



430B1-sk.jpg

ACTION TAKEN

Date:

Owner Notified

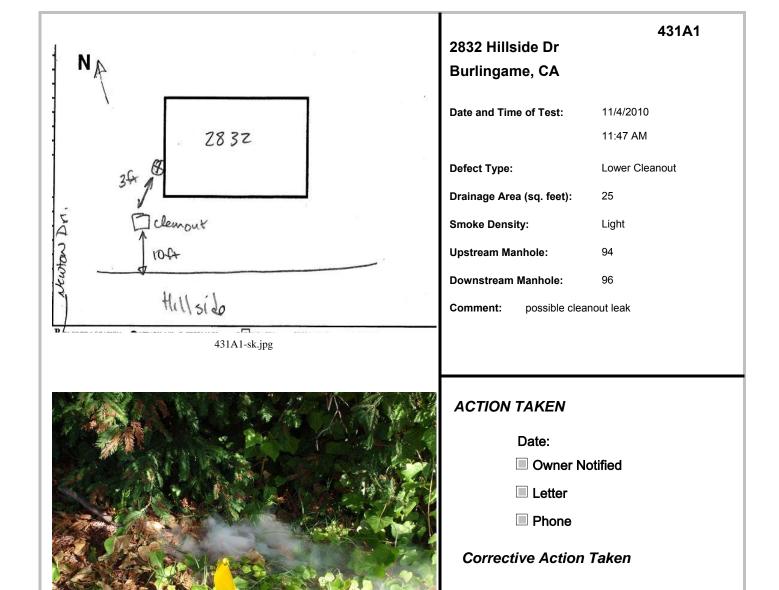
Letter

Phone

Corrective Action Taken

OK by





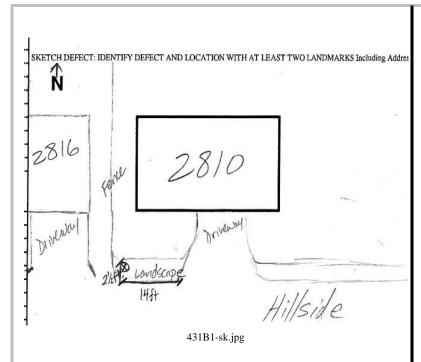
OK by _____

Date

431A1.jpg



431B1



2810 Hillside Dr Burlingame, CA

Date and Time of Test:

11/4/2010

11:47 AM

Defect Type:

Upper Lateral

Drainage Area (sq. feet):

48

Smoke Density:

Light

Upstream Manhole:

237

Downstream Manhole:

238

Comment:



ACTION TAKEN

Date:

Owner Notified

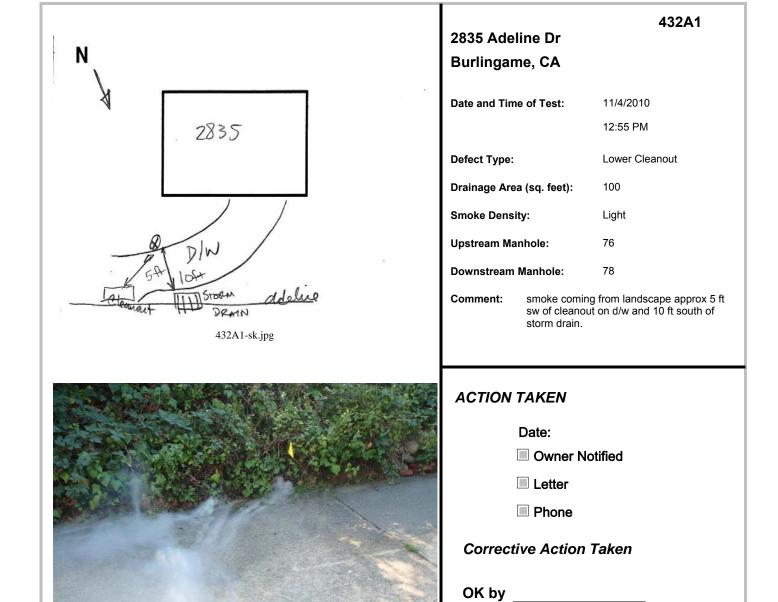
Letter

Phone

Corrective Action Taken

OK by





Date

432A1.jpg

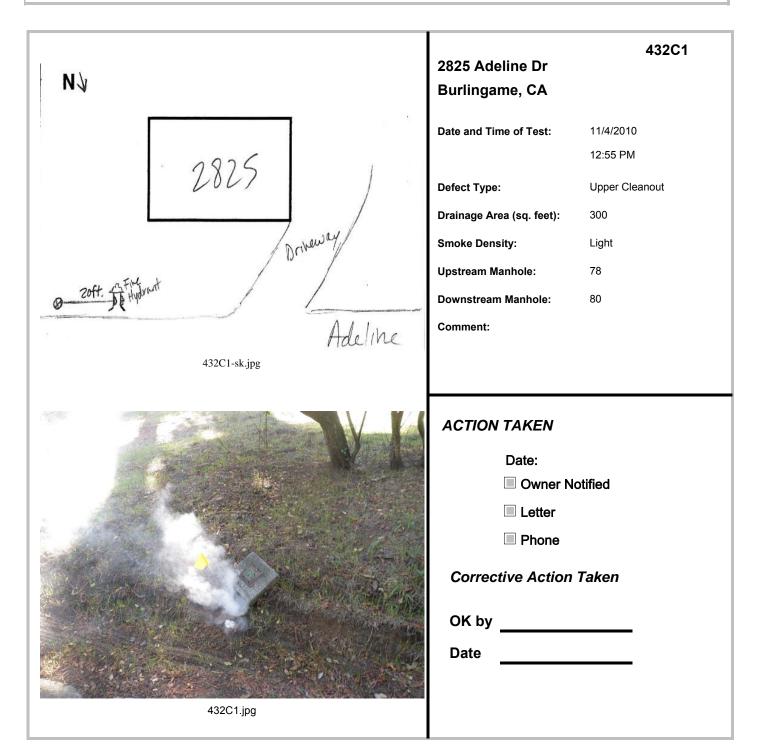




Date

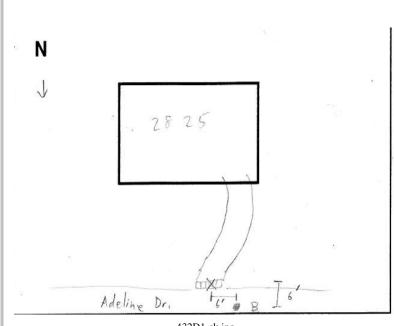
432B1.jpg







432D1



432D1-sk.jpg

2825 Adeline Dr Burlingame, CA

Date and Time of Test:

11/4/2010

12:55 PM

Defect Type:

Lower Lateral

Drainage Area (sq. feet):

200

Smoke Density:

Heavy

Upstream Manhole:

78

Downstream Manhole:

Comment: Area drain at bottom of driveway smoking.



432D1.jpg

ACTION TAKEN

Date:

Owner Notified

Letter

Phone

Corrective Action Taken

OK by _____

Date

Report printed on Thursday, March 31, 2011



433A1

N 2880 STORM 5054 433A1-sk.jpg

2880 Adeline Dr Burlingame, CA

Date and Time of Test:

11/4/2010

1:40 PM

Defect Type:

Lower Lateral

Drainage Area (sq. feet):

200

Smoke Density:

Light

Upstream Manhole:

51

Downstream Manhole:

Comment:

smoke from possible lateral leak across from 2880 in drain



ACTION TAKEN

Date:

Owner Notified

Letter

Phone

Corrective Action Taken

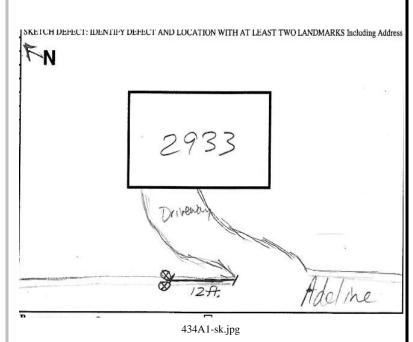
OK by _____

Date

433A1.jpg



434A1



2933 Adeline Dr Burlingame, CA

Date and Time of Test:

11/4/2010

2:05 PM

Defect Type:

Sewer Main

Drainage Area (sq. feet):

150

Smoke Density:

Light

Upstream Manhole:

52

Downstream Manhole:

53

Comment:



ACTION TAKEN

Date:

Owner Notified

Letter

Phone

Corrective Action Taken

OK by _____



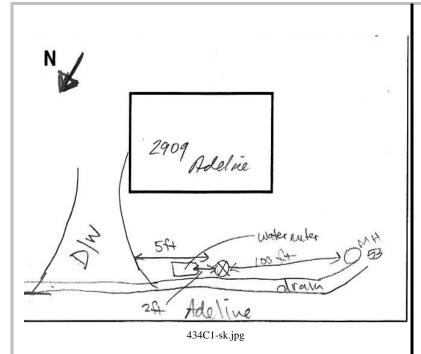


Date

434B1.jpg



434C1



2909 Adeline Dr Burlingame, CA

Date and Time of Test:

11/4/2010

2:05 PM

Defect Type:

Lower Lateral

Drainage Area (sq. feet):

250

Smoke Density:

Heavy

Upstream Manhole:

53

Downstream Manhole:

Comment:

smoke coming out of water meter and 50 ft North of MH 53 possible lateral tie in



ACTION TAKEN

Date:

Owner Notified

Letter

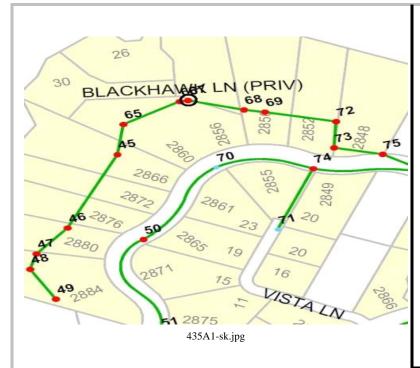
Phone

Corrective Action Taken

OK by _____



435A1



blackhawk In Burlingame, CA

Date and Time of Test: 11/11/2010

11:45 AM

Defect Type: Sanitary Manhole

Drainage Area (sq. feet): 25

Smoke Density: Light

Upstream Manhole: 65

Downstream Manhole: 68

Comment:



435A1.jpg

ACTION TAKEN

Date:

Owner Notified

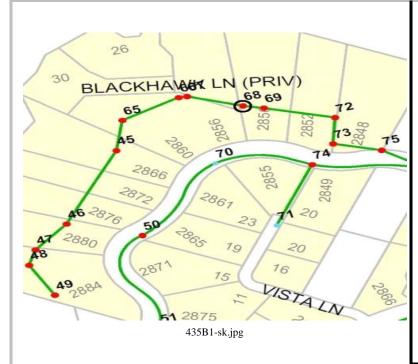
Letter

Phone

Corrective Action Taken

OK by





435B1 blackhawk In

Burlingame, CA

Date and Time of Test: 11/11/2010

11:45 AM

Defect Type: Sanitary Manhole

Drainage Area (sq. feet): 1

Smoke Density: Light

Upstream Manhole: 68

Downstream Manhole: 68

Comment:



ACTION TAKEN

Date:

Owner Notified

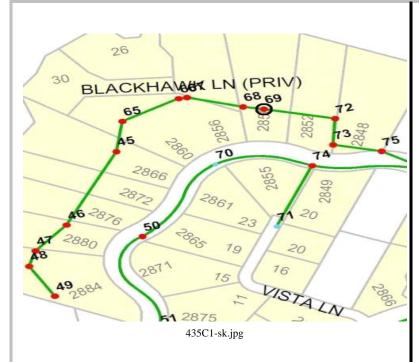
Letter

Phone

Corrective Action Taken

OK by





435C1 blackhawk In

Burlingame, CA

Date and Time of Test: 11/11/2010

11:45 AM

Defect Type: Sanitary Manhole

Drainage Area (sq. feet): 1

Smoke Density: Light

Upstream Manhole: 69

Downstream Manhole: 69

Comment:



ACTION TAKEN

Date:

Owner Notified

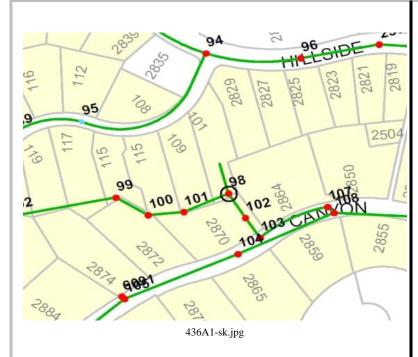
Letter

Phone

Corrective Action Taken

OK by





436A1 2890 Canyon rd

Burlingame, CA

Date and Time of Test: 11/11/2010

1:41 PM

Defect Type: Sanitary Manhole

Drainage Area (sq. feet): 4

Smoke Density: Light

Upstream Manhole: 98

Downstream Manhole: 98

Comment:



ACTION TAKEN

Date:

Owner Notified

Letter

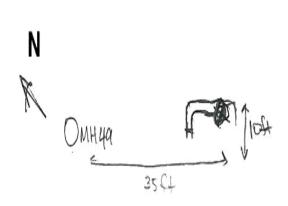
Phone

Corrective Action Taken

OK by



437A1



437A1-sk.jpg

2884 Adeline Dr Burlingame, CA

Date and Time of Test: 11/11/2010

2:01 PM

Defect Type: Sewer Main

Drainage Area (sq. feet): 100

Smoke Density: Heavy

Upstream Manhole: 49

Downstream Manhole: 48

Comment: Spots around exposed piping smoking.



437A1.jpg

ACTION TAKEN

Date:

Owner Notified

Letter

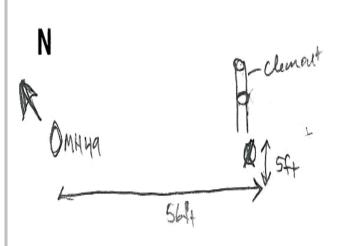
Phone

Corrective Action Taken

OK by



437B1



437B1-sk.jpg

2884 Adeline Dr Burlingame, CA

Date and Time of Test: 11/11/2010

2:01 PM

Defect Type: Sewer Main

Drainage Area (sq. feet): 100

Smoke Density: Heavy

Upstream Manhole: 49

Downstream Manhole: 48

Comment: Spots around exposed piping smoking.



437B1.jpg

ACTION TAKEN

Date:

Owner Notified

Letter

Phone

Corrective Action Taken

OK by

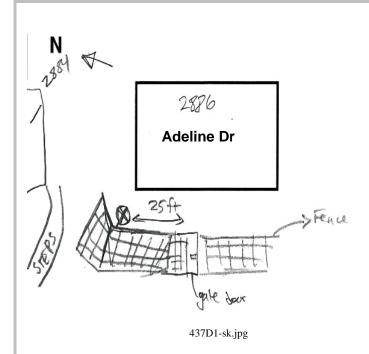


437C1 2884 Adeline Dr N Burlingame, CA Date and Time of Test: 11/11/2010 2884 2:01 PM Adeline Dr Defect Type: Lower Cleanout clement defect Drainage Area (sq. feet): Smoke Density: Light **Upstream Manhole:** 49 Downstream Manhole: cleanout 3 ft from steps and about 12 ft from mh 49 Comment: 437C1-sk.jpg **ACTION TAKEN** Date: Owner Notified Letter Phone **Corrective Action Taken** OK by _____ Date

437C1.jpg



437D1



2886 Adeline Dr Burlingame, CA

Date and Time of Test: 11/11/2010

2:01 PM

Defect Type: Upper Lateral

Drainage Area (sq. feet):

Smoke Density: Light

Upstream Manhole: 49

Downstream Manhole:

small lateral defect in the inside portion of house number 2886 $_{\mid Adeline \mid}$ near the Comment:

backyard fence.



ACTION TAKEN

Date:

Owner Notified

Letter

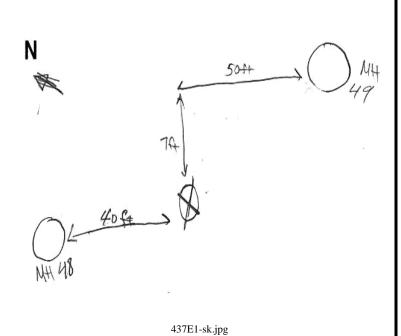
Phone

Corrective Action Taken

OK by _____



437E1



2884 Adeline Dr Burlingame, CA

Date and Time of Test:

11/11/2010

2:01 PM

Defect Type:

Sewer Main

Drainage Area (sq. feet):

10000

Smoke Density:

Heavy

Upstream Manhole:

49

Downstream Manhole:

48

Comment:

possible lateral tie-in (large hole in ground is smoking) approx 50 ft along trail north of MH 49, and down from trail 40 ft south

of mh 48



ACTION TAKEN

Date:

Owner Notified

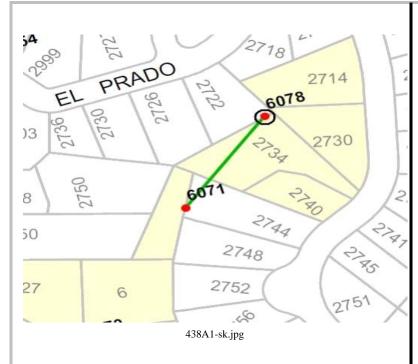
Letter

Phone

Corrective Action Taken

OK by





438A1 2734 Summit Dr

Burlingame, CA

Date and Time of Test: 11/11/2010

3:21 PM

Defect Type: Sanitary Manhole

Drainage Area (sq. feet): 25

Smoke Density: Heavy

Upstream Manhole: 6078

Downstream Manhole: 6078

Comment:



ACTION TAKEN

Date:

Owner Notified

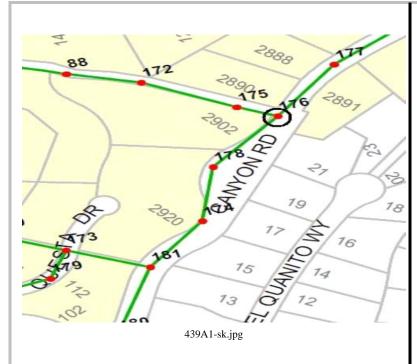
Letter

Phone

Corrective Action Taken

OK by





439A1

2890 Canyon rd Burlingame, CA

Date and Time of Test: 11/11/2010

2:13 PM

Defect Type: Sanitary Manhole

Drainage Area (sq. feet): 1

Smoke Density: Light

Upstream Manhole: 176

Downstream Manhole: 176

Comment:



ACTION TAKEN

Date:

Owner Notified

Letter

Phone

Corrective Action Taken

OK by



441A1



15 tulip In

Burlingame, CA

Date and Time of Test: 11/11/2010

4:33 PM

Defect Type: Sanitary Manhole

Drainage Area (sq. feet): 25

Smoke Density: Light

Upstream Manhole: 236

Downstream Manhole: 236

Comment:



ACTION TAKEN

Date:

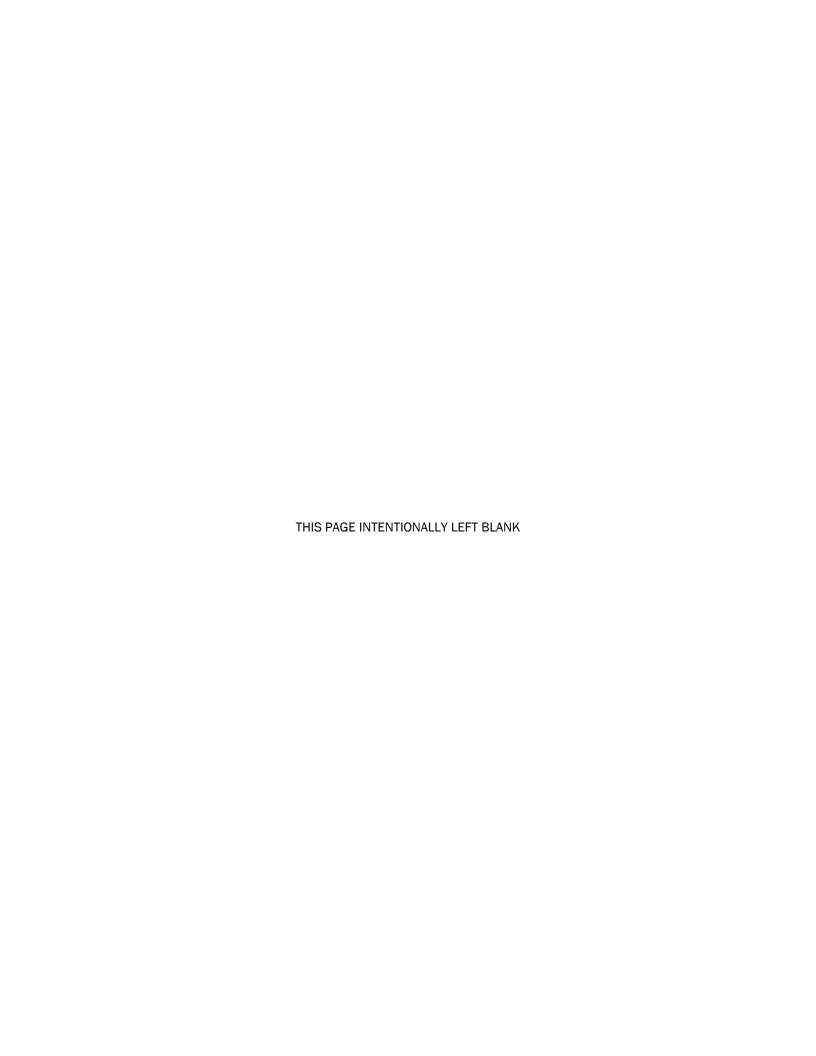
Owner Notified

Letter

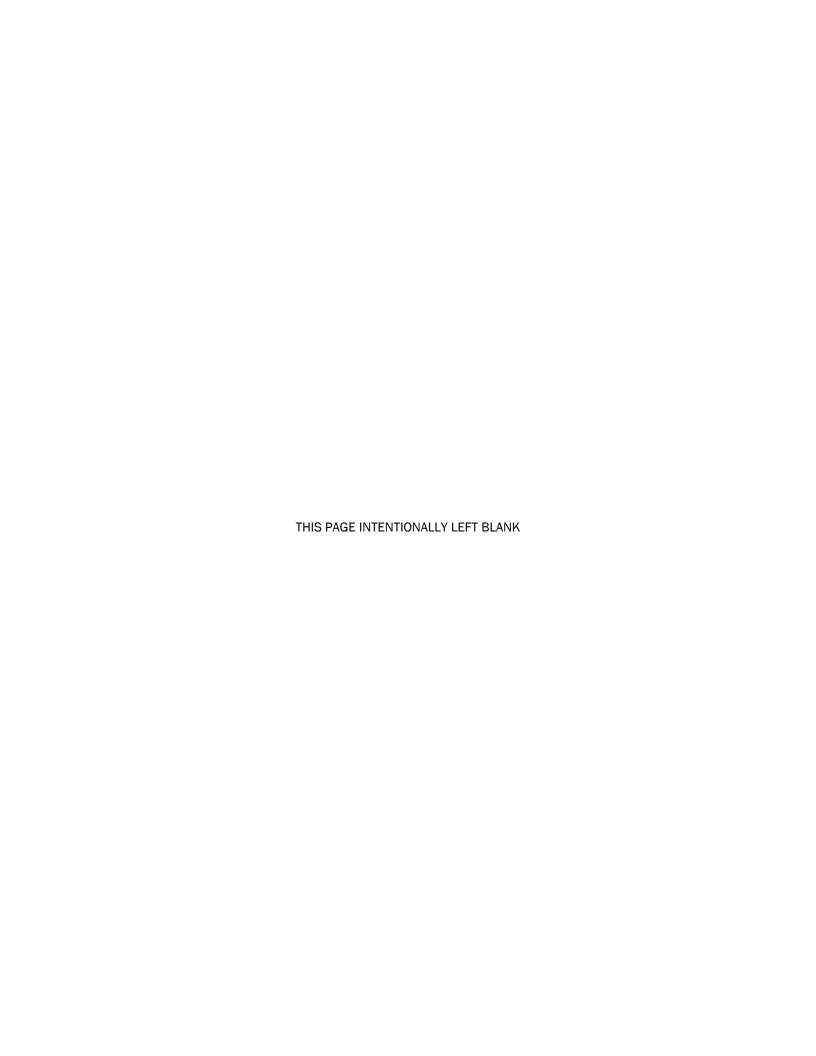
Phone

Corrective Action Taken

OK by



Attachment B: Dye Testing Inspection Forms



DYE T	ESTING SETUP FORM		Sheet of
PROJECT:	TASK	DATE:4/ (/ 11	Time :
INITIALS: E6		Pipe Size	
ADDRESS 115	Street Vas Robi		
		alldown stores nut can	nected
 			
		T	
NUMBER OF DYE TABLE	ETS USED_A Green	NUMBER OF DEFECTS FOUND:	
COMMENTS: Map diffe	erent? Yes No Manhole defect?	Yes No	
Water Source			
Area Drain	20		
Down Spouts			
	<u> </u>		
<u> </u>			1
	UP; Identify DYE INJECTION LOCATION		LEGEND
	AND CATCH BASINS. DRAW IN SANIT	TARY	Dye LOCATION
LINE, SHOW STREETS AND		mer	SANITARY MH
	7 7 -		O STORM MH
N			☐ CATCH BASIN
	Steep donn'	h/11	STORM LINE
	•		1 NORTH ARROW
	obot		V View Dy Responce
	Jopan		• VICW Dy Hooponio
	(15)		
	apen Lines		
	Top er		
	Los Robles		
~			
Name of property owner _	Acc	cepted \$amount Sig	

	DYE TESTING SETUP FORM		Sheet of
PROJECT:	TASK	DATE: 4 / € / 11	Time) 3 : /5
INITIALS: E6		Pipe Size	
ADDRESS	Street NRW ON AT		
Jewer line;	on opposite side of creek and at i		for above ground
NUMBER OF D	YE TABLETS USED_ 4 Green NUI	MBER OF DEFECTS FOUND:	
COMMENTS:	Map different? Yes No Manhole defect? Yes		
Water Source			
Area Drain			
Down Spouts	3		
SKETCH DYE TES	STING SET UP; Identify DYE INJECTION LOCATION AN	ALL POSITIVE TESTED	LEGEND
STORM LINES, M	ANHOLES AND CATCH BASINS. DRAW IN SANITARY		Dye LOCATION
LINE. SHOW STR	EETS AND FIRE HYDRANTS.		SANITARY MH
			O STORM MH
	our x ope	ore governd	☐ CATCH BASIN STORM LINE SANITARY ↑ NORTH ARROW V View Dy Responce
	sewellal	(Shallower Than creek)
Name of proper	ty owner Accepte	d \$amount Sig	

	DYE TESTING SE	TUP FORM				Sheet of
PROJECT:		TASK		DATE: 4 / 6/ 11		Time :
INITIALS: 76				Pipe Size		
ADDRESS	148	Street Nawton				
Sewer S Enod small	on other sid	11 00 00 11	145 mils	drugs to	rook	ldts mentorhaisy
NUMBER OF D	YE TABLETS USED	Green	NUMBER O	F DEFECTS FOUN	ND:	
COMMENTS:	Map different? Yes	£	ct? Yes No	_		
Water Source	ee					
Area Drain						
Down Spout	s					
	STING SET UP; Identify			TIVE TESTED	-	LEGEND Dye LOCATION
	EETS AND FIRE HYDRA					SANITARY MH
	1/9	Ans	-			O STORM MH
	ú M	downspouts ga	o to hadergiven	nd dealergh		☐ CATCH BASIN STORM LINE SANITARY ↑ NORTH ARROW V View Dy Responce
			telpe to cr	eek		
	MH 64			e shalloner	That che	
Name of proper	tv owner		Accepted \$amo	unt Sig		

Redb sheet

DYE TE	ESTING SETUP FORM		Sheet of
PROJECT:	TASK	DATE: 4 / € / 11	Time :
INITIALS: ES		Pipe Size	
ADDRESS 277	4 Street Silmit	de	
	18		
NUMBER OF DYE TABLE	TS USED_ 4-Green	NUMBER OF DEFECTS FOUND:	
	rent? Yes No Manhole defect	t? Yes No	
Water Source れっぱく			
Area Drain			
	port led to drainage	pipe unknown end destination	but appears to head
To pussible day	A .	in of You no hater visuale	is lowerhouse lateral
SKETCH DYE TESTING SET	UP; Identify DYE INJECTION LOCAT	ION AN ALL POSITIVE TESTED	LEGEND
	AND CATCH BASINS. DRAW IN SAM		Dye LOCATION
LINE. SHOW STREETS AND			• SANITARY MH
A \			O STORM MH
		S. M. I	☐ CATCH BASIN
	•	Should de	STORM LINE
l list	olos	ed to goved	SANITARY
gully	a life hath the		† NORTH ARROW
les les en executives	Marked		V View Dy Responce
gully exposed da		Poper	
1	7 7 74	196	
alded	L/ (T)		
e (Catho			
house classors	opan		
Winds of a non-2	***		
stayed day	ALGO		
1			
Name of property owner_		Accepted \$amount Sig	

	DYE TESTING SETUP FORM	1/2	Sheet of				
PROJECT:	TASK	DATE: 4/ 6/ 11	Time 14:30				
INITIALS: F6		Pipe Size					
ADDRESS	2778 Street Summit of						
	test A	and B outflowed of goate	in back. Place				
leads to a	ente then simply poursout or grate	Isto yord. test C	could here nutes				
rubbley alo	sy back of house but could not determine	autlet. No nater care	though loner classout				
NUMBER OF DY	'E TABLETS USED_ ≰ Green NUMBE	R OF DEFECTS FOUND:					
COMMENTS:	Map different? Yes No Manhole defect? Yes No						
Water Source	house blb						
Area Drain							
Down Spouts	throughouts ato downie system b	eware of dog sign our	Sound Top zour				
need to	find down of ram set	, -					
SKETCH DYE TES	TING SET UP; Identify DYE INJECTION LOCATION AN ALL F	POSITIVE TESTED	LEGEND				
STORM LINES, MA	NHOLES AND CATCH BASINS. DRAW IN SANITARY		Dye LOCATION				
LINE. SHOW STRE	ETS AND FIRE HYDRANTS.		SANITARY MH				
N N	C1 1 1		O STORM MH				
1 -70	JUMMIT of	Ç	☐ CATCH BASIN				
	Br		STORM LINE				
	ted closed dusad closed	W A	SANITARY NORTH ARROW				
	A A T	res ;	V View Dy Responce				
	By closed dosed obseld	<i>C</i> .	4 View by Hesponee				
	kclos	sel & located and he	lash it trunslass.				
		Along She	cide of least				
	ferce About About Closed	ed fasted could be along swith confo	not detache wilet				
	graded appearance to also	r uphells out of grate					
	o the tile of the	h above 112 sm.) or days					
	2007						
	Small orach	clevout					
	1.1.00	lateral (00 flow)					
	O E Love						
Fonce							
Name of propert		mount Sig					

	DYE TESTING SE	TUP FORM			Sheet of	
PROJECT:		TASK		DATE! 16 / 11	Time (4:30	
INITIALS: E6				Pipe Size		
ADDRESS	27.84	Street S'unait	LP _			
Cane ou	tat buck of	hill	alldium	spouls bent to	, under ground draine	je
NUMBER OF D	YE TABLETS USED_	A Green	NUMBER	OF DEFECTS FOUND:		
COMMENTS:	Map different? Yes		t? Yes No			
Water Source						
Area Drain						
Down Spout	S .					
SKETCH DYE TES	STING SET UP; Identify [YE INJECTION LOCAT	ION AN ALL PO	SITIVE TESTED	LEGEND	
STORM LINES, M	ANHOLES AND CATCH	BASINS. DRAW IN SAM	NITARY		Dye LOCATION	
LINE. SHOW STR	EETS AND FIRE HYDRA	NTS			SANITARY M	4
A . /					о втоям мн	
\\\\/					☐ CATCH BAS	SIN
		, ,	ann) t	1_	STORM	M LINE
					SANITARY	Y
		14			1 NORTH ARROV	W
		/	X	all dalua -	V View Dy Respor	псе
		\int_{Ω}	7-4	Sauts 90 3		
		12	784	101	V View Dy Respon	
ı		X			acuirny e	ر
1	close		nulter to low	e downspouts		
latge	2 10 hz		לייטון מוי (יידון איני	-		
		0		thered	le vola	
	-				1000	
				gully		
Name of proper	tv owner	<i>P</i>	Accepted \$am	ount Sig		

	DYE TESTING SE	TUP FORM				Sheet of
PROJECT:		TASK	DATI	4161		Time :
-/	DYE STRUCTURE		PIPE	SIZE		
ADDRESS	# 2810	STREET SUMMIT	h	CROS	S	
	back of house		dowo spout	s gotu	underground	drilloage, romes out to
NUMBER OF D	YE TABLETS USED_	0	NUMBER OF DE	FECTS FC	DUND:	
COMMENTS:	. <u> </u>					
Water source	9		Amo	ınt used		
Area Drains						
Down Spouts	3					
STORM LINES,		entify DYE INJECTION I ATCH BASINS. DRAW IYDRANTS.		ALL POSIT	IVE TESTED	LEGEND D Injection Point SANITARY MH O STORM MH
- 70					-	☐ CATCH BASIN
		visabl	e deajoage	system	o undergound esystem	NORTH ARROW
		6 Againage	outlet sp	ec to di	ct	

	DYE TESTING SET	UP FORM				Sheet of
PROJECT:		TASK		DATE: (/ 6/ 11		Time :
INITIALS: E6				Pipe Size		
ADDRESS	2814	Street 5 mg	f dr			1
		•	all do	onsports orben-	76 960h	J
					Š	
			_			
NUMBER OF D	YE TABLETS USED_	4 Green	NUMBER O	F DEFECTS FOUND	D:	
COMMENTS:	Map different? Yes N	Manhole defect?	? Yes No			
Water Sourc	e					
Area Drain						-
Down Spouts	s					
						····
						·
SKETCH DYE TES	STING SET UP; Identify D	YE INJECTION LOCATION	ON AN ALL POS	TIVE TESTED		LEGEND
STORM LINES, MA	ANHOLES AND CATCH E	ASINS. DRAW IN SANI	ITARY			Dye LOCATION
LINE. SHOW STRI	EETS AND FIRE HYDRAN	VTS.	.		·	SANITARY MH
		12881				O STORM MH
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \						☐ CATCH BASIN
						STORM LINE
		tmen	goeth			SANITARY NORTH ARROW
		poot dovestiont				V View Dy Responce
	\ \	, 60° A	4			Wiew by Hesponce
		1				
	1 600	1/2819	\b >			
6	alrement)	, ,		1 41.	أعادا	to above
		\	buet	donosports es	om vicojacoj) O DEPTT C
						er to backhill
			90010	in madeage en	1 . 500	- (JO DAOMP ()
	\					
	/					
		5	lunal't	yc.		
Name of proper	ty owner	Ac	ccepted \$amo	unt Sig		

1	DYE TESTING SET	UP FORM				She et of
PROJECT:		TASK	D/	TE: 4/6/ 11		Time :
INITIALS: E 6			Pi	oe Size		
ADDRESS	2818	Street Summit				
dealouge.	Due to active	2 Construction	found one			e for under gros
NUMBER OF DYE	TABLETS USED_	4-Green	NUMBER OF	DEFECTS FOU	ND:	
	ap different? Yes N		t? Yes No			
Water Source						
Area Drain						
Down Spouts						
SKETCH DYE TESTII	NG SET UP; Identify D	YE INJECTION LOCAT	ION AN ALL POSITI	VE TESTED		LEGEND
STORM LINES, MANI	HOLES AND CATCH E	BASINS. DRAW IN SAI	NITARY			Dye LOCATION
LINE. SHOW STREE	TS AND FIRE HYDRA	NTS.				SANITARY MH
		Idua				о втогм мн
		\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	aethe es 111 deallouge	3 (☐ CATCH BASIN
		397.1	The co	astouction		STORM LINE
			11 veallouge	Pipes and	2 10	SANITARY
				المهان د ،	10 dos	1 NORTH ARROW
			L-X			V View Dy Responce
	(1	\			
		2	818	all don	nspouats go	to under ground
			[2819		, V 1.	
Name of property	owner		Accepted \$amour	nt Sig	undy dr	

	DYE TESTING SET	TUP FORM		Sheet of
PROJECT:		TASK	DATE:4/2/ 11	Time 11:00
INITIALS:	E6		Pipe Size	
ADDRESS	3	Street Have C	<u> </u>	
	from sm		ruph! I and not near h	1
with sever				house
	<u>'E TABLETS USED</u>		NUMBER OF DEFECTS FOUND:_	
COMMENTS:	Map different? Yes N	Manhole defect? Y	es No	
Water Source)			
Area Drain		4 21	- A - A	1
Down Spouts				edy to house #3 1+15 not
nearby de	ect, defeat 18	andial loe defect	not alution desent	
SKETCH DYE TES	TING SET UP; Identify D	YE INJECTION LOCATION	AN ALL POSITIVE TESTED	LEGEND
STORM LINES, MA	NHOLES AND CATCH	BASINS. DRAW IN SANITA	RY	Dye LOCATION
LINE, SHOW STRE	ETS AND FIRE HYDRA	NTS.		SANITARY MH
11/	\			O STORM MH
11/1/				☐ CATCH BASIN
'			hash	STORM LINE
		1 1 (4)	A Davis	SANITARY
				† NORTH ARROW
		Surer		V View Dy Responce
Name of propert		i sh	growd growd growd growd y odd feet 410 C1 epted \$amount Sig_	Slopes uphill

next uphill house very far anay

	DYE TESTING	SETUP FORM				Sheet of
PROJECT:		TASK		DATE:4 1/2	/ 11	Time 1 :30
INITIALS: 126				Pipe Size		
ADDRESS	219	Street Los	Robles			
for sever the	e. Applied d	ye, no results	deala	up to long	for yard agran	ed to head
NUMBER OF DY	E TARI ETS LISE	D 4 Green	NUMBER	OF DEFECTS	S FOLIND:	
	Map different? Ye		efect? Yes No	TOT BELLEVI	<u> </u>	<u></u>
Water Source	1 11					
Area Drain						
Down Spouts						
SKETCH DYE TEST	TING SET UP; Identi	fy DYE INJECTION LO	CATION AN ALL P	OSITIVE TESTE	D	LEGEND
STORM LINES, MA	NHOLES AND CATO	CH BASINS. DRAW IN	SANITARY			Dye LOCATION
LINE. SHOW STRE	ETS AND FIRE HYD	DRANTS.				SANITARY MH
Nal	Los	211-6				O STORM MH
1/1// -	203	W DUS	\			☐ CATCH BASIN
		Garage				STORM LINE
12		1	15	ewer		SANITARY
			fallowaite (E)		1 NORTH ARROW
			Profess 1			V View Dy Responce
	oper **	open open o	tolar /	put dage	nort of doubon	so ploo
Name of property	owner		Accepted \$ar	nount	Sig	

Chayon operatord saw as dye Claria)

	DYE TESTING SET	UP FORM		195		Sheet of
PROJECT:		TASK	<u></u>	DATE: 1/12/ 11		Time L:0
INITIALS: 86				Pipe Size		÷
ADDRESS	_213	Street 65	obles			. <u> </u>
appear to	cun to gully o	n east vide	(down hill)	nuge place ope	n east	place obsed
NUMBER OF D	YE TABLETS USED_	4 Gréen	NUMBER (OF DEFECTS FOU	ND:	
COMMENTS:	Map different? Yes N	o Manhole de	fect? Yes No			
Water Sourc	e s				•	
Area Drain						
Down Spouts	3				_	
<u> </u>				-	_	
				- -		
STORM LINES, MA	STING SET UP; Identify D'ANHOLES AND CATCH E	ASINS. DRAW IN		SITIVE TESTED		LEGEND Dye LOCATION SANITARY MH
		·	•			O STORM MH
	r Roller					☐ CATCH BASIN
	3 Copies					STORM LINE
		1			_±5	SANITARY
	Seher	(\ \	1 NORTH ARROW
						V View Dy Responce
			gert 213	the chosen	ga	(Py)
Name of propert	y owner		S lo	pes down		

	DYE TESTING SETUP FORM		Sheet of
PROJECT:	TASK	DATE: 4/14 11	Time 12: (6
INITIALS: 16		Pipe Size	
ADDRESS	142 Street VM de foces		
		e tested south east do	un spouts both dealn
to steer	through dealouge effect coming out just		
Λ	nel		
NUMBER OF D	YE TABLETS USED_ 4 Green C40 NUM	BER OF DEFECTS FOUND:	
COMMENTS:	Map different? Yes No Manhole defect? Yes	No	
Water Source	e water jugs Ecesidant out h	ome)	
Area Drain			
Down Spouts	3		
			
SKETCH DYE TES	STING SET UP; Identify DYE INJECTION LOCATION AN A	ALL POSITIVE TESTED	LEGEND
STORM LINES, MA	ANHOLES AND CATCH BASINS. DRAW IN SANITARY		Dye LOCATION
LINE. SHOW STR	EETS AND FIRE HYDRANTS.		SANITARY MH
NN	Kulde flores Kulde flores AH144		O STORM MH
	let let		☐ CATCH BASIN
popyloside	Appends access		STORM LINE
during spouts (1)	1445CM(1 45C23)		SANITARY
	J Reco		V View Dy Responce
			W View by Responce
	142 dosed		
	and the second		,
	both dish sound	is deal to street ('dyad)
	2 2086001	() and the modificación () ⁽¹⁾
1	142		
(125)	>		
120/	/		
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Name of proper	ty owner Accepted	d \$amountSig	

	DYE TESTING SE			<i>u i</i>	2	Sheet of
PROJECT:		TASK		DATE: 4	<u>4 11</u>	Time (6:00
INITIALS: Eb	12.6	1.		Pipe Size		
ADDRESS	125	Street Lamera	1-1			0 - 1.1
not see 1	esulthry water	anytheoe	Nad n	anny run	house stat to	- 60+ seconds, did
					·	
	/E TABLETS USED_			OF DEFECT	S FOUND:	
COMMENTS:	Map different? Yes N	1 4	,		<u>, , , , , , , , , , , , , , , , , , , </u>	
	e house philos for	tes15 1,2,3	water ju	y for test	1	
Area Drain		1 1				
Down Spouts	5-60	vechead map				
						
SKETCH DYE TES	TING SET UP; Identify I	OYE INJECTION LOCATION	ON AN ALL PO	SITIVE TESTE	D	LEGEND
STORM LINES, MA	ANHOLES AND CATCH	BASINS. DRAW IN SAN	ITARY			Dye LOCATION
LINE. SHOW STRE	EETS AND FIRE HYDRA	INTS.	4 144			SANITARY MH
						O STORM MH
	14	L \ •				☐ CATCH BASIN
22						STORM LINE
		142 12-			_	SANITARY
			_			1 NORTH ARROW
	1.	- الح	dey			V View Dy Responce
	Ph	Z.	occ 1			
!	/ 12	5	both d	tomaspouts	goto auoth her	9 d)9 t
		Lada A		deala	poesto 144 per lo bac	1.7
	atal	dedr 1	& Karea	101	025 00 1 ()	OUT OUT
101			5	o or along	e piees to bac	ok yourd
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		- 1				
1		Lanes	: 4			
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	gacy					
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Name of property	Lacyouts to School	Ac	cepted \$am	ount	Sig	
Indine of property	y owner		147			
	50.1		MI 4			, , , , , , , , , , , , , , , , , , ,
$\alpha_{l,0}$	sentrop New	areadcalos	31116	nekourn	does not appar	ut to be laboral
at h	Me	A Committee of the Comm	/ 1501			
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	DYE TESTING SETU	P FORM				Sheet of
PROJECT:		ASK		DATE: 1 / 1 1	1	Time 10:01
INITIALS: F6		······································		Pipe Size		
ADDRESS	<u>35</u> s	treet Julip				
And the second	= currently vo		ye ends ab	ine ground	dratage 1	Mes in buck yord,
NUMBER OF D	YE TABLETS USED_4	Green	NUMBER (OF DEFECTS FO	JND:	
COMMENTS:	Map different? Yes No	Manhole defect	? Yes No			
Water Source	e					
Area Drain						
Down Spouts	3					
	STING SET UP; Identify DYE			SITIVE TESTED		LEGEND Dye LOCATION
LINE. SHOW STRI	EETS AND FIRE HYDRANT	S		_		SANITARY MH
			+	u lip	-	O STORM MH CATCH BASIN STORM LINE SANITARY NORTH ARROW V View Dy Responce
	y owner	~	ipey to	alstribute	kuln Flor	above gooword

	DYE TESTING SE	TUP FORM				Sheet of
PROJECT:		TASK		DATE: 4/ 13/ 11		Time \0 : 20
INITIALS: E6				Pipe Size		
ADDRESS	48	Street +W4P	<u></u>			
			observed	at MH 223, not	cesults fo	raye
					<u>-</u>	
NUMBER OF D	YE TABLETS USED_	4 Green Cad	NUMBER (OF DEFECTS FOUND:	:	
COMMENTS:	Map different? Yes	Manhole defect	? Yes No			
Water Sourc	e house bib					
Area Drain						
Down Spouts	s	···				
SKETCH DYE TES	STING SET UP; Identify I	YE INJECTION LOCATION	ON AN ALL POS	SITIVE TESTED		LEGEND
STORM LINES, MA	ANHOLES AND CATCH	BASINS. DRAW IN SAN	IITARY			Dye LOCATION
LINE. SHOW STR	EETS AND FIRE HYDRA					SANITARY MH
M	Es				(3)	
	23.					☐ CATCH BASIN
	250					STORM LINE
						SANITARY
	57).					NORTH ARROW
					(B) =	V View Dy Responce
	Applied dye					
	souled due					
\\\ \(\)	166.100 2.10				3.	
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1	>	Doublet	Front dance	Gorage	@=	+
	All The second of		10077 20083		10 /	<i>(</i>
3						
	3 11	troud				
Name of proper	ty owner	Δ	ccepted \$am	ount Sig		

	DYE TESTING SE	TUP FORM				Sheet of
PROJECT:		TASK		DATE: 4/ (3 11	<u> </u>	Time 10: 30
INITIALS: 6				Pipe Size		
ADDRESS	50	Street Julip			_	
		,	and the same	Frank MY	223 po	dye hits
NUMBER OF D	YE TABLETS USED_	4 Green olue	NUMBER (OF DEFECTS FOL	JND:	
COMMENTS:	Map different? Yes	Manhole defec	ct? Yes No			
Water Sourc	e house blb		<u> </u>			
Area Drain						
Down Spouts	S					
				·		
					_	
SKETCH DYE TES	STING SET UP; Identify D	YE INJECTION LOCA	TION AN ALL POS	SITIVE TESTED		LEGEND
STORM LINES, MA	ANHOLES AND CATCH I	BASINS. DRAW IN SA	NITARY			Dye LOCATION
LINE. SHOW STRI	EETS AND FIRE HYDRA	NTS.			_	SANITARY MH
\wedge						O STORM MH
, / (N						☐ CATCH BASIN
						STORM LINE
						SANITARY
					Applied dife	1 NORTH ARROW
				II languat		V View Dy Responce
	(3	9		(1) Individi	(2)	
				Ø.	1	
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			Front doof			
1						
	(2) Ground		Tin The	3	
1		11 Groves	(Toreoved		
			walk (
		,	may /	\		
Name of proper	ty owner		Accepted \$amo	ountSig_		

	YE TESTING SETUP FORM		Sheet of
PROJECT:	TASK	DATE: 1/ 1/ 11	Time : 00
INITIALS: 6		Pipe Size	
ADDRESS	90 Street 1/p toe?		•
no visable	nutlet, no dye to MH		asport laback of house
NUMBER OF DYE	TABLETS USED_4 Green 9044	NUMBER OF DEFECTS FOUND:	
	p different? Yes No Manhole defect?		- <u> </u>
Water Source	nater jug		
Area Drain			
Down Spouts			
SKETCH DYE TESTIN	G SET UP; Identify DYE INJECTION LOCATION	ON AN ALL POSITIVE TESTED	LEGEND
STORM LINES, MANH	OLES AND CATCH BASINS. DRAW IN SANI	TARY	Dye LOCATION
LINE. SHOW STREET	S AND FIRE HYDRANTS.		SANITARY MH
7	Carolon		O STORM MH
/ N ~	" + 27		☐ CATCH BASIN
/V ~	1/6/05.		STORM LINE
ŀ			SANITARY
			1 NORTH ARROW
			V View Dy Responce
	A you	× 10 Jan 1	away from line
	to acoust	2 to game u	
	T to	good or results in MH ou	t for my tooks
	N N 2 2 2		
Name of property or	wner MALL3 Ac	ccepted \$amount Sig	

	DYE TESTING SE	TUP FORM				Sheet of
PROJECT:		TASK	DA	TE: 4/3/ 11		Time (1 : 30
INITIALS: 🎏			Pip	e Size		
ADDRESS	96	Street tiptoe				
NUMBER OF DY	E TABLETS USED_ Map different? Yes		lipe f leto heavy NUMBER OF	ot for all do ull of leaves Pipe leakage	pourly of	except chandol In water in caused pipe No flow locreare Wsebl at MH 199
Down Spouts						•
	•	YE INJECTION LOCATION BASINS. DRAW IN SANITA		/E TESTED		LEGEND Dye LOCATION
LINE. SHOW STRE	ETS AND FIRE HYDRA	NTS.				SANITARY MH
	Cl	por todosool open Anacoel Anacoel Leaks, Ald out use I Koom out let, as a on to grant out and	Open goes	Normal Public Control of the desires spent	prestul [10	O STORM MH CATCH BASIN STORM LINE SANITARY NORTH ARROW V View Dy Responce
Name of property	y owner	Acce	pted \$amount	Sig		

	DYE TESTING SETUP FORM		Sheet of
PROJECT:	TASK	DATE: 4/13/ 11	Time (1:45
INITIALS: FO		Pipe Size	Trime to 12
ADDRESS	Street +Aptoe	J1 100 0120	
ADDITEGO	Juliet 1.510	alldrapage pipes visqu'il	2 all heading nest
		(11.5)	<u></u>
NUMBER OF D	YE TABLETS USED_ 4 Green	NUMBER OF DEFECTS FOUND:	
COMMENTS:	Map different? Yes No Manhole defect?	Yes No	
Water Source	ce		
Area Drain			
Down Spout	s		
			_
SKETCH DYE TES	STING SET UP; Identify DYE INJECTION LOCATION	N AN ALL POSITIVE TESTED	LEGEND
STORM LINES, M	ANHOLES AND CATCH BASINS. DRAW IN SANITA	ARY	Dye LOCATION
LINE. SHOW STR	EETS AND FIRE HYDRANTS.	 	SANITARY MH
	1		O STORM MH
N			☐ CATCH BASIN
			STORM LINE
			SANITARY
			1 NORTH ARROW
	Jael-Amai	1	V View Dy Responce
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	they togarde		
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		into la	
		tiptoe In	
Name of proper	rtv owner Acc	epted \$amount Sig	

PROJECT: INITIALS: F6 ADDRESS NUMBER OF DYE COMMENTS: Ma Water Source Area Drain Down Spouts SKETCH DYE TESTIN STORM LINES, MANH	Y, no access to nearly switting si	IUMBER OF DEFECTS FOUND:	Sheet of Time 14:30
INITIALS: FO ADDRESS NUMBER OF DYET COMMENTS: Ma Water Source Area Drain Down Spouts SKETCH DYE TESTIN STORM LINES, MANH	Street La stradg Y. no access to nearly santany so TABLETS USED_4 Green N	Pipe Size hack dealns repeat to 46 emet JUMBER OF DEFECTS FOUND:	
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COMMENTS: Ma Water Source Area Drain Down Spouts SKETCH DYE TESTIN STORM LINES, MANH			
COMMENTS: Ma Water Source Area Drain Down Spouts SKETCH DYE TESTIN STORM LINES, MANH			
Water Source Area Drain Down Spouts SKETCH DYE TESTIN STORM LINES, MANH	p uniorent. Tee ree intainiere deleut. Te		
Area Drain Down Spouts SKETCH DYE TESTIN STORM LINES, MANH			
Down Spouts SKETCH DYE TESTIN STORM LINES, MANH			
SKETCH DYE TESTIN STORM LINES, MANH			
STORM LINES, MANH			
STORM LINES, MANH			
STORM LINES, MANH	O CET UP. HANTE DVE IN IECTION I CONTINUE	NALL DOCITIVE TESTED	LEGEND
	IG SET UP; Identify DYE INJECTION LOCATION A		
	IOLES AND CATCH BASINS. DRAW IN SANITAR	IY	Dye LOCATION SANITARY MH
LINE. SHOW STREET	S AND FIRE HYDRANTS.		
F 1/			O STORM MH
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			STORM LINE
			SANITARY
			1 NORTH ARROW
			V View Dy Responce
Name of property o	Lastrida ot	open dood	calouse altoh closed appeard octour to denrage ditch

	DYE TESTING SETUP FORM		Sheet of
PROJECT:	TASK	DATE: 4 / 13/ 11	Time 14:55
INITIALS: TP		Pipe Size	
ADDRESS	1 Street La Strada		
		go flow from house +	6 MH33
		·	·
NUMBER OF D	YE TABLETS USED_ 4 Green I	NUMBER OF DEFECTS FOUND:	
COMMENTS:	Map different? Yes No Manhole defect? Y	es No	
Water Sourc	e nate jug		
Area Drain	· /		
Down Spouts	12 Down spouls	and all lu	ns intotal
Groun			s to the Down
SPOU	5. deales to dealeage pipe i	7 back of house #5	10.
SKETCH DYE TES	STING SET UP; Identify DYE INJECTION LOCATION	AN ALL POSITIVE TESTED	LEGEND
STORM LINES, MA	ANHOLES AND CATCH BASINS. DRAW IN SANITA	RY	Dye LOCATION
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	11		☐ CATCH BASIN
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			1 NORTH ARROW
		1200	V View Dy Responce
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3	0.11		
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		Front of HOV	Se
0		Front ot	
Name of proper	ty owner Acce	pted_\$amountSig	
	1	2	
		5 ==	

DYE TESTING SETUP FORM					Sheet of
PROJECT:		TASK	DATE: 4//3	/ 11	Time 14: 45
INITIALS: 55			Pipe Size		
ADDRESS	_5	Street IA STR			
		_0	10 flow from ho	use to MH33	
				-	
I					
	YE TABLETS USED_		MBER OF DEFECTS	FOUND:	
COMMENTS:	Map different? Yes/N	Manhole defect? Yes	No		
Water Source	9				
Area Drain			-		
Down Spouts		con house leading	to doubords did	do la trock	
7 000	thate is the	, on visus (Cuoting)	1 1 Wentende D. L	OF INT BOCK	
SKETCH DYE TES	TING SET UP; Identify D	YE INJECTION LOCATION AN	ALL POSITIVE TESTED	e al	LEGEND
		BASINS. DRAW IN SANITARY		a de la companya de l	Dye LOCATION
LINE. SHOW STRE	EETS AND FIRE HYDRA	NTS. $O^{\frac{2}{5}3}$	o inage on in	β	SANITARY MH
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		4	-) F	☐ CATCH BAŞIN
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	0	Thorn P	000		
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			Larad.		
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Accepted \$amount

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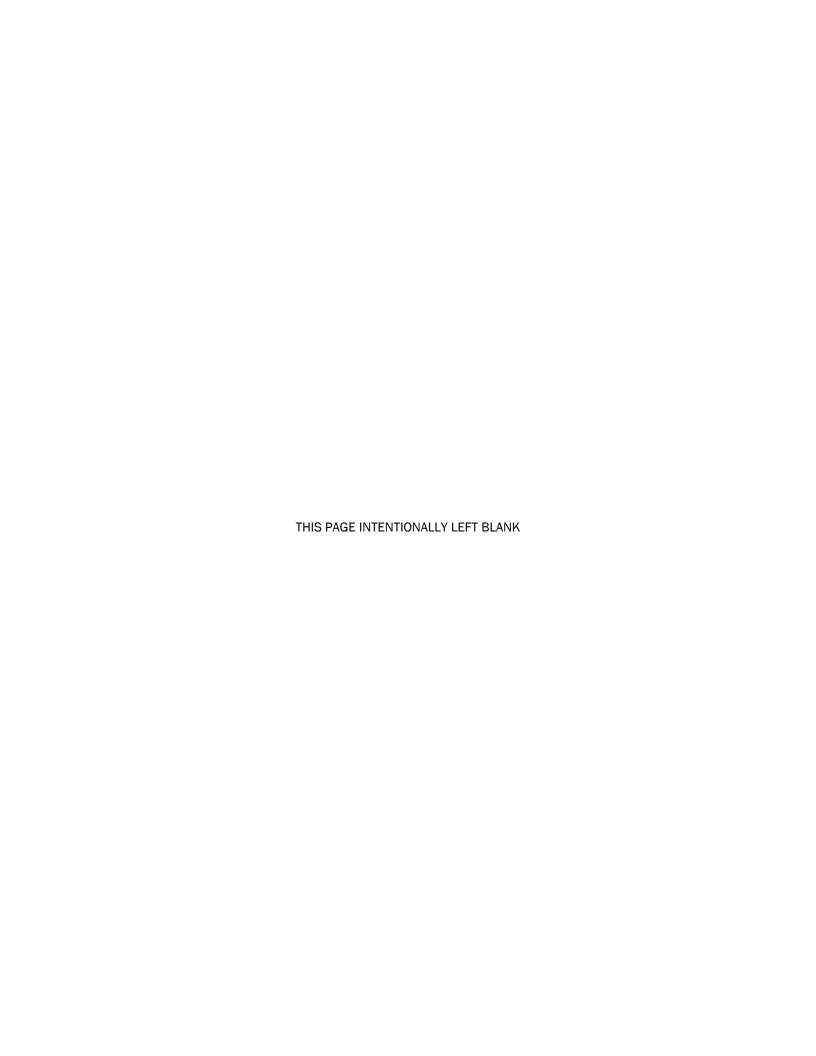
Name of property owner

	DYE TESTING SE	TUP FORM				Sheet of
PROJECT:		TASK		DATE: 1/13	/ 11	Time 14 : 45
INITIALS: 7 4				Pipe Size		
ADDRESS	11	Street 💆	strada c	<u> </u>		
end out	let for east i	ton aspart	alinat	er appears	to devin down	hill though did not
TO DOL .	10(* ************************************	<u>-</u> -		Cost	<u> </u>
NUMBER OF D	YE TABLETS USED_	4 Green	NUMBER (OF DEFECTS	FOUND:	
COMMENTS:	Map different? Yes	Manhole de	fect? Yes No			
Water Source	e water jug	<u> </u>				
Area Drain						
Down Spouts	3					
SKETCH DYE TES	STING SET UP; Identify [YE INJECTION LO	CATION AN ALL PO	SITIVE TESTED		LEGEND
STORM LINES, MA	ANHOLES AND CATCH	BASINS. DRAW IN	SANITARY			Dye LOCATION
LINE. SHOW STR	EETS AND FIRE HYDRA	NTS.				SANITARY MH
						O STORM MH
1 N						☐ CATCH BASIN
<i>ν</i>		- 1. A.A.	C1/4-1 A			STORM LINE
		such tany	324001			SANITARY
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			La	- 100		V View Dy Responce
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Pouced notes	jato us s		_			
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clos	ed *	11	10	honcasa n	political collection	. Our s
			closed			
1	no lout and		→ *			
V.	Jake howouse	eg.	closed			
		•				
Name of proper	ty owner		Accepted \$am	ount	Sig	

	DYE TESTING SET	TUP FORM				Sheet	of
PROJECT:		TASK		DATE: 4/13/ 11		Time (S:39	
INITIALS: E6				Pipe Size		_	
ADDRESS	18	Street La Steud	ta	-			
Marhole			all don	ospouts go below	geoved, n	zed to access	a dollars;
NUMBER OF D	'E TABLETS USED_	4 Green	NUMBER C	OF DEFECTS FOUN	D:		
COMMENTS:	Map different? Yes N	lo Manhole defect	t? Yes No			_	
Water Source	-		_				
Area Drain							
Down Spouts							
SKETCH DYE TES	TING SET UP; Identify D	YE INJECTION LOCAT	TON AN ALL POS	SITIVE TESTED		LEGEN	D
STORM LINES, MA	NHOLES AND CATCH I	BASINS. DRAW IN SAN	NITARY			Dye LOCATION	ı
LINE. SHOW STRE	ETS AND FIRE HYDRA	NTS.		(8)		• SANITARY	МН
ZN		Expendenced search for MY	ruded de	7. /		O STORM MH C CATCH I STO SANITA NORTH ARE V View Dy Res	ORM LINE ARY ROW
Name of properl		astanda	Accepted \$amo	ount Sig			

DYE TESTING SET	TUP FORM		Sheet of
PROJECT:	TASK	DATE: 4 / 13/ 11	Time 15:35
INITIALS: \$\overline{\pi}\$		Pipe Size	
ADDRESS 608	Street Styline		
	resident	says his lateral goes	actoss skylial
to sever onother side. I	esident inphilling to li	et us on property	
	, -		•
NUMBER OF DYE TABLETS USED_	4 Green NUMBER	OF DEFECTS FOUND:	
COMMENTS: Map different? Yes N	o Manhole defect? Yes No		
Water Source			
Area Drain			
Down Spouts	· ·		
SKETCH DYE TESTING SET UP; Identify D	YE INJECTION LOCATION AN ALL PO	SITIVE TESTED	LEGEND
STORM LINES, MANHOLES AND CATCH E	BASINS. DRAW IN SANITARY		Dye LOCATION
LINE. SHOW STREETS AND FIRE HYDRAI	NTS.		SANITARY MH
			O STORM MH
			☐ CATCH BASIN
			STORM LINE
			SANITARY
			NORTH ARROW
			V View Dy Responce
Name of property owner	Accepted \$amo	ount Sig	

Attachment C: Manhole Inspection Form Information



C.1 Manhole Inspection Forms

The manhole inspection form shown on Figure C-1 and C-2 was used to record asset information and defect observations in the field. The inspection form includes the information required by the National Association of Sewer Service Companies (NASSCO) Manhole Assessment and Certification Program (MACP). The key to the abbreviations/codes used on the manhole inspection form are shown on Figure C-3 and Figure C-4.

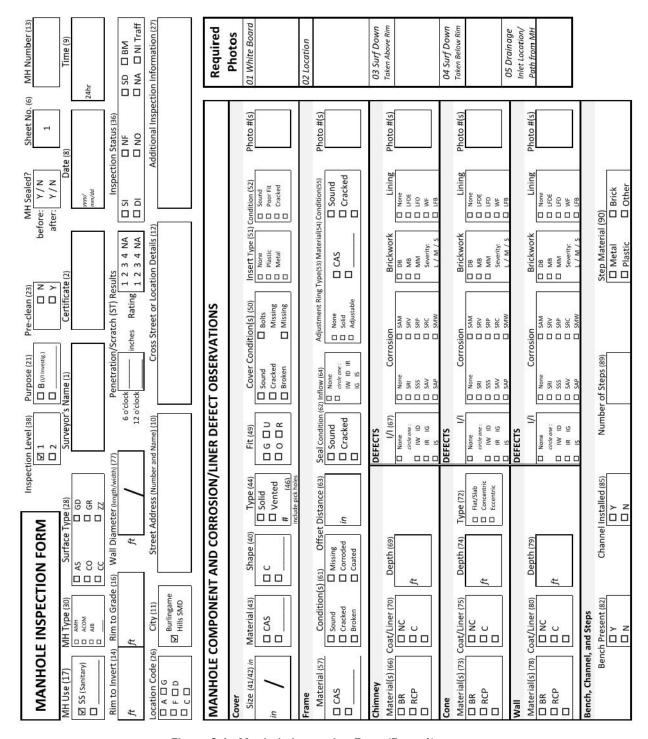


Figure C-1. Manhole Inspection Form (Page 1)

SKETCH										MH Number
PIPE CONNECTIONS	FCTIONS									
	3	REQUIRED	, F		82		Ō	OPTIONAL		
Pipe Number (91)	Clock Position (92)	Direction (94)	Special Condition (101)	Rim to Invert (93)	Material (95)	Shape (96)	Diameter (97) inches	Width (98) inches	Condition (99)	Seal Condition (101)
1	9	□ In ☑ Out	OU (but brop up) OI (chut brop tew) IN (in brop up) II, (in brop tew) III (in brop tew)	9	00000000000000000000000000000000000000	Circular Rectang Square Arched			□ Sound	□ Sound □ Defective
		□ In □ Out	OU (out brep law) OL (out brep law) OL (out brep law) OL (in brep law)		CAS PVC	Circular Rectang Square Arched			□ Sound	□ Sound □ Defective
		□ In □	OU (Out Drop Low) OI (Out Drop Low) OI (Out Drop Low) OI (I fin Drop Low) OI (I fin Drop Low) OI (I fin Brop (I fin Brop I fin Brop I fin Brop I fin Brop I fin		00000 868 878 878 878	Circular Rectang Square Arched			□ Sound	□ Sound □ Defective
		□ In	OU (Out Drop Up) OU (Out Drop Low) Out (Out Drop Low) Out (In Drop Up) Out (In Drop Low)		RCP CAS CAS	Circular Rectang Square Arched			□ Sound	Sound Defective
		□ In □ out	OU (Out Drep Up) OL (Out Drep Lew) U (Out Drep Lew) U (In Drep Up) U (In Drep Lew) U (In Brep Lew) U (In Brep Lew) U (In Brep Lew)		CAS CAS	Circular Rectang Square Avched			□ Sound	□ Sound □ Defective
		□ In □ Out	OU (Dut Drop Up) OI (Out Drop Lew) II (Out Drop Lew) II (In Drop Lew) II (In Drop Lew) II (In Brop Lew) II (In Brop Lew) II (In Brop Lew)		RCP CAS CAS ACC	Circular Rectang Square Arched			□ Sound □ Defective	□ Sound □ Defective
		l in	OU (out Drop Up) OL (out Drop Low) OL (in Drop Low)		RC CAS	Circular Rectang Square Arched			☐ Sound ☐ Defective	□ Sound □ Defective

Figure C-2. Manhole Inspection Form (Page 2)

Field	Code	Definition/Description
	AMH	Manhole
MH Type	ACOM	Cleanout Mainline
MSP-050	AJB	Junction Box
	Α	Main Highway - Urban
	F	Sidewalk
	С	Light Highway
	G	Parking Lot
	D	Easement/Right of Way
Location Code	Н	Alley
Location Code	J	Building
	K	Creek
	1	Ditch
	L	Railway
	E	Woods
	Y	Yard
	С	Circular
	Н	Horseshoe (with flat bottom, curved sides)
	R	Rectangular
	Α	Arched (with flat bottom)
	В	Barrel (beer barrel)
Shape	E	Egg Shaped
	0	Oval
	S	Square
	Т	Trapezoidal
	U	U-Shaped (with flat top)
	Z	Other
	AS	Asphalt
	СО	Concrete Pavement
Surface Type	CC	Concrete Collar
Surface Type	GD	Grass/Dirt
	GR	Gravel
	ZZ	Other
	ВМ	Buried or Marked
	DI	Descent Inspection
	NI	NI Traffic
	NA	No Access
Inspection Status	NF	Not Found
	NO	Not Opened
	RI	Remote Inspection
	SD	Surcharged/Debris
	SI	Surface Inspection

Figure C-3. Manhole Inspection Form Codes (Page 1)

Field	Code	Definition/Description
	RCP	Reinforced Concrete
	BR	Brick
Material	VCP	Vitrified Clay
wateriai	DIP	Ductile Iron
	PE	Polyethylene
	PVC	Polyvinyl Chloride
	G	Good
F:+ /O F	0	Oversized
Fit (Cover Frame)	U	Undersized
	R	Rocks/Wobbles
	PL	Plastic
	NC	None - No Coating
Manhole Lining Material	E	Ероху
	С	Cementitious
	CP	Cured in Place
	PVC	Polyvinyl Chloride
	PE	Polyethylene
Pipe Lining Material	CIPP	Cured In Place
	HOBA	Hobas
	LFDE	Lining Failure - Defective End
	LFD	Lining Failure - Detached
Lining Defect	LFW	Lining Failure - Betached Lining Failure - Wrinkled
Liming Defect	LFB	Lining Failure - Williked Lining Failure - Blistered
	WF	Weld Failure
	SRI	Surface Roughness Increased
	SSS	Surface Spalling
	SAV	Surface Aggregate Visible
	SAP	
Corrosion Defect	SAM	Surface Aggregate Projecting
	S	Surface Aggregate Missing Surface Reinforcement Visible
	SRV	
	SRP	Surface Reinforcement Projecting
	SRC	Surface Reinforcement Corroded
	W	Wall
Component	Co	Cone
	Cm	Chimney
	В	Bench
	F	Fine
Sediment Type	GV	Gravel
	С	Compacted
	ID	Infil Dripper
V219 6 32 (2007) 10 (2017) (see "Accordant Contra	IG	Infil Gusher
Infiltration Defect	IR	Infil Runner
	IS	Infil Stained
	IW	Infil Weeper

Figure C-4. Manhole Inspection Form Codes (Page 2)



C.1 Manhole Inspection Forms

The location criteria form shown on Figure C-5 was used to record observations of public impact, environmental, and access/safety criteria for each manhole location. The Priority rating key for each of these criteria are shown on Figure C-6.

LOCATION SKETCI		ATION CRITERIA		Camera No. General Picture No. Drainage Picture No.	
Sewer Lington Sever Lington Storm Dr. Storm Dr. Water Lington Water Lington Sever Li	ain Line ne ill path	Sewer MH Drain Inlet Valve Photo Direction anhole and segment of manhole)	Asset #:_ Completed by:_ Date:_ Inspection #:_ Group Project#:	NOTES	
LOCATION DESCR	IPTION				PRIORITY
Public Impact (Proximity to public fa	acilities, Econor	mic impact, Public hea	alth or safety conc	erns)	Picture No.
Environmental (Proximity to nearest	drain inlet and	waterway of the U.S.	/ Description of co	onditions)	Picture No.
Access / Safety (Safe, readily access	sible area, Traffi	ic level, Strategic impo	ortance to operatio	on of system)	Picture No.

Figure C-5. Manhole Location Criteria Form



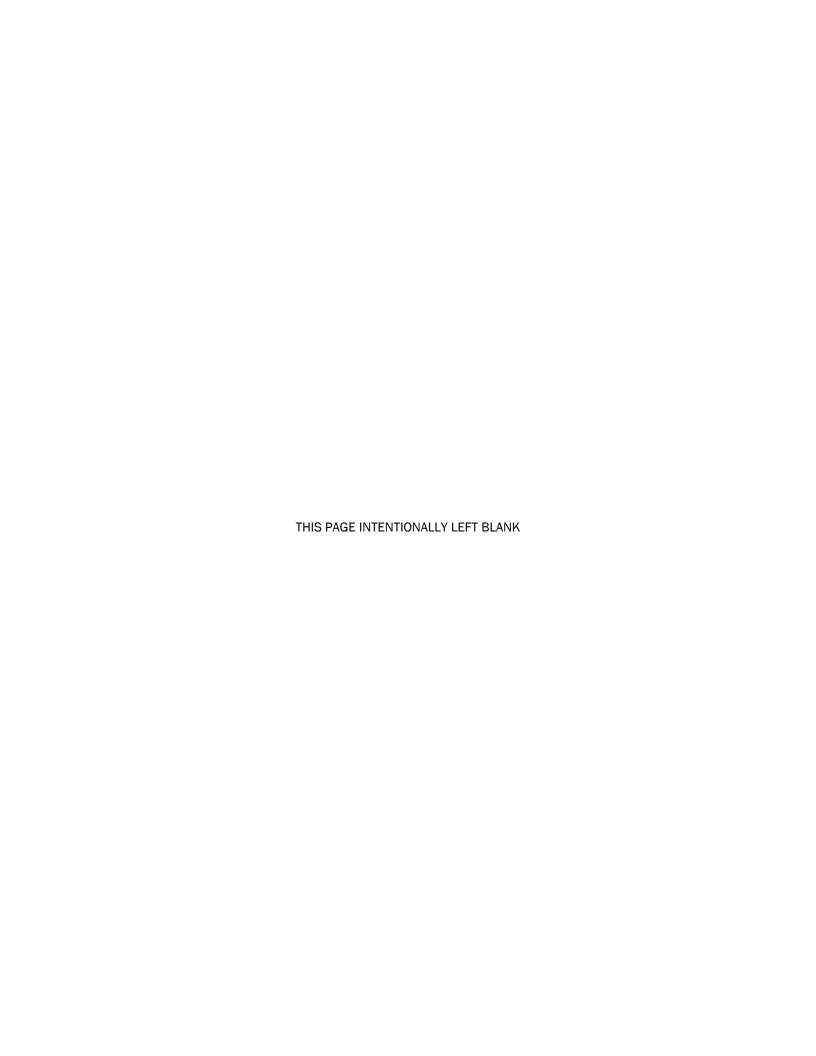
Location – Public Impact	Public Impact Rating
> 1000 feet from public facilities, limited public traffic, limited economic impact	1
within 1000 feet of public facilities, moderate public traffic, moderate economic impact	3
within 100 feet of public facilities, significant public traffic, significant economic impact, high construction cost	5

Location – Proximity to Waterways	Environmental Score
Upstream SSMH > 2500 ft to waterway	1
Upstream SSMH > 2500 ft to waterway & < 500 ft to storm DI	2
Upstream SSMH < 2500 ft to waterway	3
Upstream SSMH < 2500 ft to waterway & < 500 ft to storm DI	4
Upstream SSMH < 1000 ft to waterway	5

Location – O&M Access and Safety	O&M Access and Safety Rating
In roadway, residential street	1
In roadway, arterial roadway	2
Not in roadway, can access with truck	3
Not in roadway, must walk equipment to site	4
Not in roadway, no safe working area, under buildings	5

Figure C-6. Priority Key for Manhole Location Criteria Form

Attachment D: Manhole Inspection Summary and Forms



			Tat	ole D-1. Manhol	e Inspe	ctions ar	nd Defects				
Inspection Manhole	Infiltration Stain	Inflow Source	Roots	Mortar Deterioration	Brick	Frame Offset	Frame Seal Cracked	Adjustment Ring Cracked	Deposits	Vent Holes	No Defects
2									•	5	
3									Х		
4											Х
5			Х								
6										10	
7										45	
8										6	
9	Х		Х	Х					Х		
10										7	
11			Х								
12										7	
13	Х			Х						7	
14									Х	7	
15										3	
18										7	
19										7	
21										3	
22										7	
23										3	
24				Х						7	
27	Х						Х			7	
28			Х								
29										7	
30											Х
31										3	
35											Х
36											Х
41											Х
42											Х
43											Х
45			Х								
46									Х		
47											Х
48			Х								
49											Х
50	Х										

			Tat	ole D-1. Manhol	e Inspe	ctions ar	nd Defects				
Inspection Manhole	Infiltration Stain	Inflow Source	Roots	Mortar Deterioration	Brick	Frame Offset	Frame Seal Cracked	Adjustment Ring Cracked	Deposits	Vent Holes	No Defects
51				Х					X		
52									Х		
53	Х										
54				Х							
55			Х								
56			Х	Х							
57	Х		Х								
58	Х		Х	Х							
61							Х				
62	Х		Х								
63											Х
64			Х								
65										7	
66											Х
67		Х									
68											Х
69			Х								
70	Х			Х							
71											Х
72											Х
73						Х					
74			Х								
75	Х										
76				Х			Х				
77				Х							
78	Х			Х			Х	Х			
79	Х						Х				
80	Х						Х				
82				Х							
83	Х										
84							Х				
85	Х		Х				Х		Х		
88											Х
89	Х		Х				Х				
90	Х		Х								
91	Х										



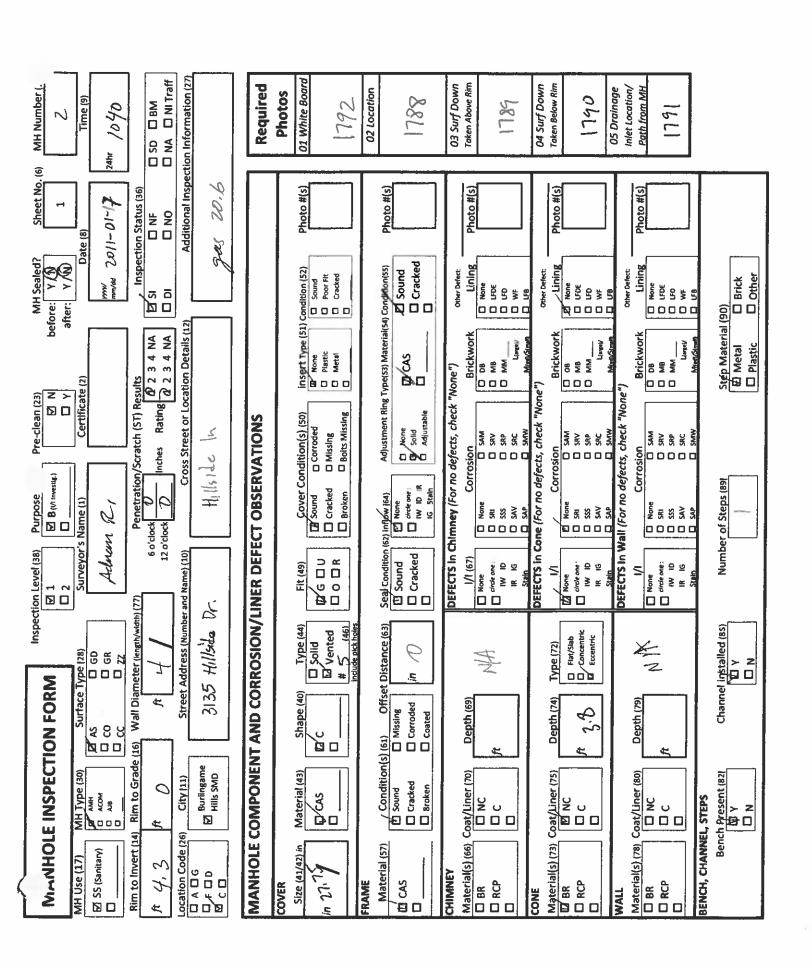
			Tal	ble D-1. Manhol	e Inspe	ctions ar	nd Defects				
Inspection Manhole	Infiltration Stain	Inflow Source	Roots	Mortar Deterioration	Brick	Frame Offset	Frame Seal Cracked	Adjustment Ring Cracked	Deposits	Vent Holes	No Defects
92			Х								
93											Х
94	Х						Х				
95	Х						Х				
96							Х				
98											Х
99											Х
100											Х
102										6	
103										7	
104	Х			Х						7	
105	Х							Х		7	
107										7	
108	х		Х	Х			Х			7	
109	х									5	
110				Х			Х			7	
111			Х								
112	х						Х				
113	х		Х				Х				
114											Х
115											Х
116	Х		Х								
117											Х
118				Х			Х			7	
119	Х			Х			Х			7	
122						Х				7	
123	Х		Х	Х			Х			7	
125			Х	Х							
126			Х	Х			Х				
127	Х			Х			Х			7	
128											Х
129											Х
130											Х
131											Х
133										7	
134											Х

			Tat	ole D-1. Manhol	e Inspe	ctions ar	nd Defects				
Inspection Manhole	Infiltration Stain	Inflow Source	Roots	Mortar Deterioration	Brick	Frame Offset	Frame Seal Cracked	Adjustment Ring Cracked	Deposits	Vent Holes	No Defects
135				X	Х		Х	0	X	7	
136											Х
137	Х			Х			Х			7	
138	Х			Х			Х			7	
139				Х							
140						Х					
141	Х		Х							7	
142			Х							4	
143											Х
144			Х							7	
145											Х
147	Х		Х				Х			7	
149										7	
151			Х								
154			Х	Х						7	
155				Х			Х			7	
156										3	
158			Х								
159	Х		Х	Х			Х				
160											Х
161	Х						Х				
162					Х					7	
163				Х						7	
164						Х				3	
165				Х			Х			7	
166							Х			3	
167											Х
168						Х					
170	Х										
171	Х							Х		3	
172											Х
173								Х		7	
174			Х	Х				Х		7	
175			Х			Х					
176								Х		7	
177	Х										

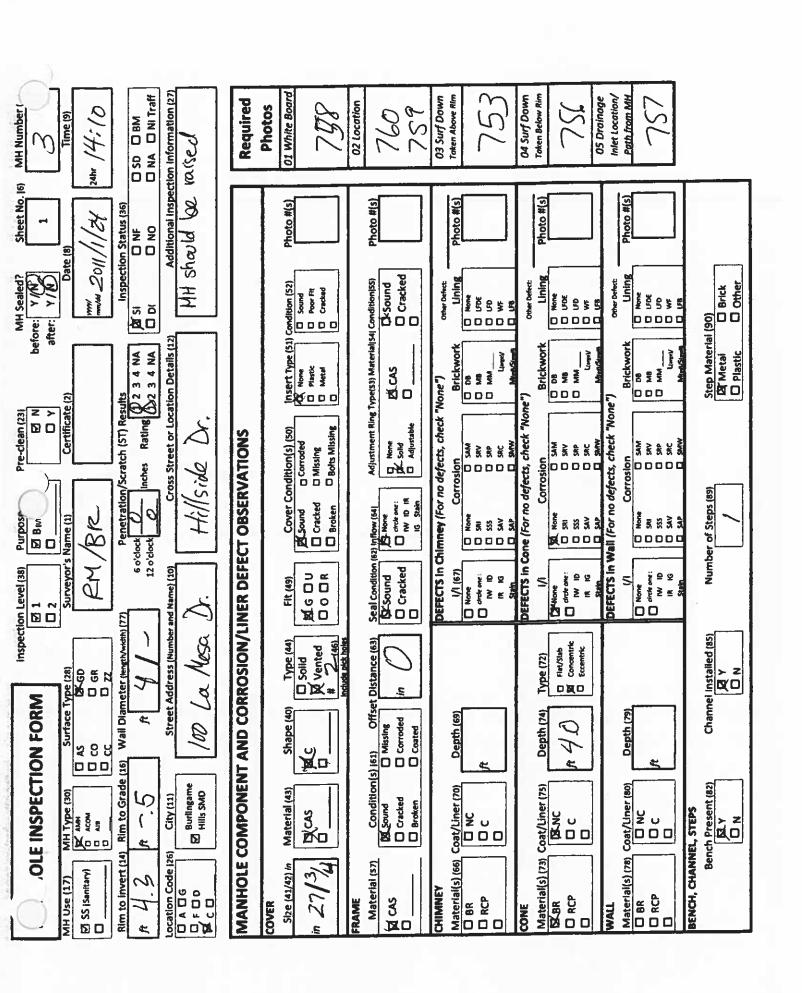


			Tat	ole D-1. Manhol	e Inspe	ctions ar	nd Defects				
Inspection Manhole	Infiltration Stain	Inflow Source	Roots	Mortar Deterioration	Brick	Frame Offset	Frame Seal Cracked	Adjustment Ring Cracked	Deposits	Vent Holes	No Defects
178				Х						7	
179											Х
180				Х						7	
181				Х				Х		7	
182	х		Х	Х						7	
185										7	
186										3	
187											Х
188										3	
189			Х								
190										7	
191			Х	Х			Х			7	
192											Х
194			Х							7	
199	х										
202											Х
203	х		Х				Х	Х			
205											Х
206	х										
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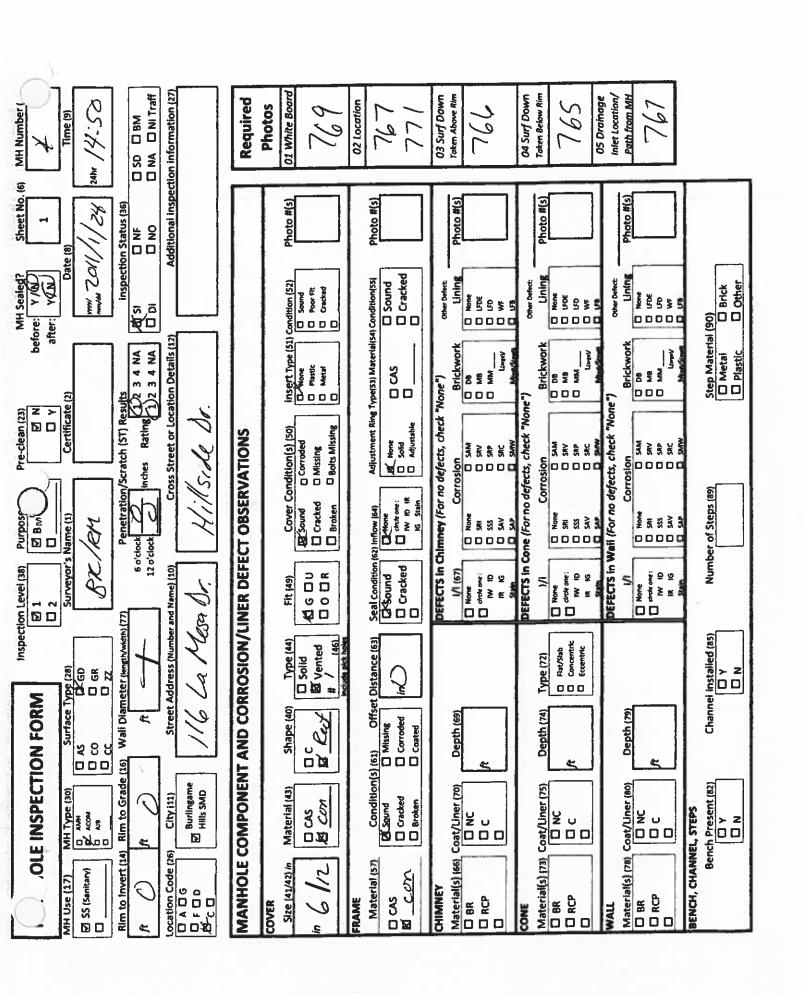
			Tal	ble D-1. Manhol	e Inspe	ctions ar	nd Defects				
Inspection Manhole	Infiltration Stain	Inflow Source	Roots	Mortar Deterioration	Brick	Frame Offset	Frame Seal Cracked	Adjustment Ring Cracked	Deposits	Vent Holes	No Defects
228										4	
229											Х
230										3	
231			Х								
232										3	
233										3	
234											X
236							Х			3	
237											X
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240										3	
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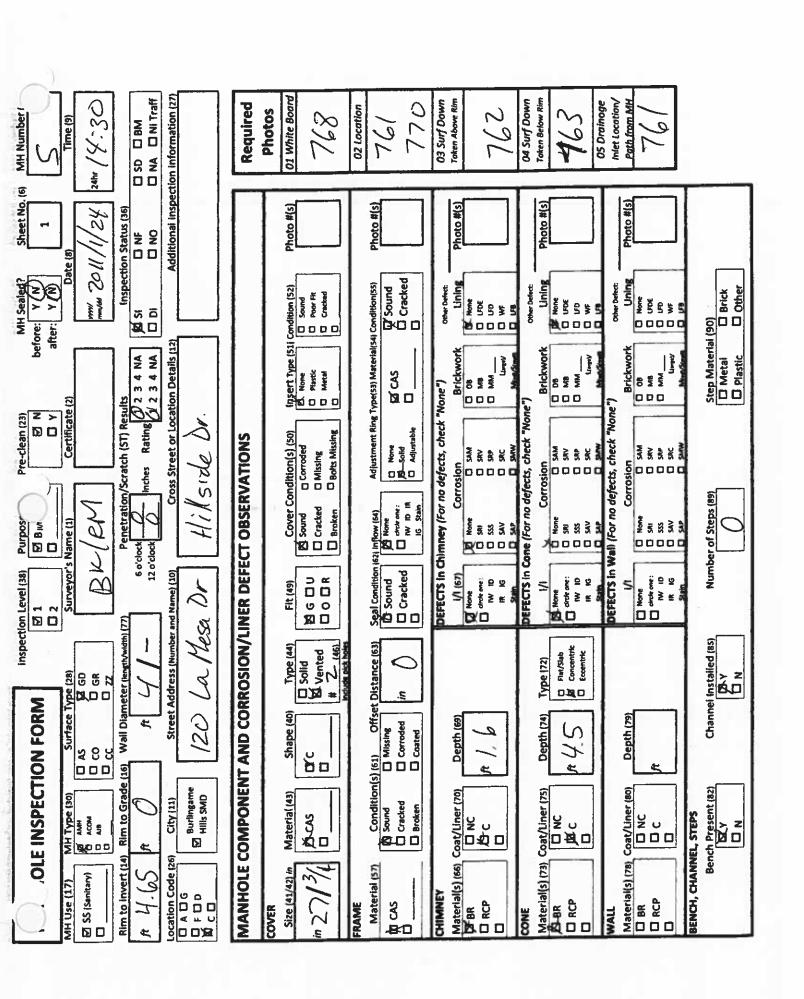


MH Number			Seal Condition (101)	Punos	□ Defective	punos d	□ Defective	punos pa	□ Defective	punos 🛭	□ Defective	punos 🛭	□ Defective	punos 🗅	□ Defective	D Sound	□ Defective
			Condition (99)	Pa Sound	□ Defective	punos z	□ Defective	рилоза	□ Defective	punos 🗆	□ Defective	punos 🗆	□ Defective	D Sound	□ Defective	punos a	□ Defective
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			Diameter (97)	**	0	7	×.	7	<u>a</u>								
			Shape / 196)	12 Circular C Rectangular C Square C Arched	۵′	AD Circular Rectangular Square		Circular Rectangular Square		Circular Circular Circular Circular Circular		Circular Rectangular Square		Chroder C Rectangular Square	Puched	Circular Rectangular Square	D Arched
7-			Material (95)	5 \$ 3 ×	ž	5 \$ 3	3 A D D	2	2	5 \$ \$	1	5 \$ \$	2	_ ₽\$3		223	
			Rim to Invert (93)	h		T		CH	11 6								
			Special Condition [101)	☐ OU (ON! Drop Up) ☐ OL (Ou! Drop Up) ☐ (U (in Drop Up) ☐ it (in Drop Up)	☐ FM (Force Main)	OV four Drop Low)	IL (in Drop Law) FM (Force Main) LB (Luteral)	OV (Out Drop Up) OV (Out Drop Up) IN Its Drop Up(U. (in Orop Low) FM (Force Main) U.B. (Leneral)	OV (Out Drop Up) Of (Out Drop Law) Of (I the Drop Up)	It (in Orsp Low) FM (Force Main) LB (Laterar)	COU (Out Drop tow) COU (Out Drop tow) COU (In the Drop tow)	If (in Drop Low) FM (Force Main) LB (Lateral)	COU (Out Once Up) COL (Out Drop Lew) COL (in Drop Up)	C (L (n Onsp 20w) FM (Force Maint LB (Leteral)	OU (Out Drop Upf OL (Out Drop (ow)	It, (in Drop Low) FM (Force Maint) LB (Lateral)
		REQUIRED	Direction 1941	□ In 図 Out		- <u>-</u> 트			D Out				D Oct	비口	□ Out	<u>=</u>	□ Out
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NS H	PIPE CONNECTIONS		Pipe Number (91)	1		7		۲)								

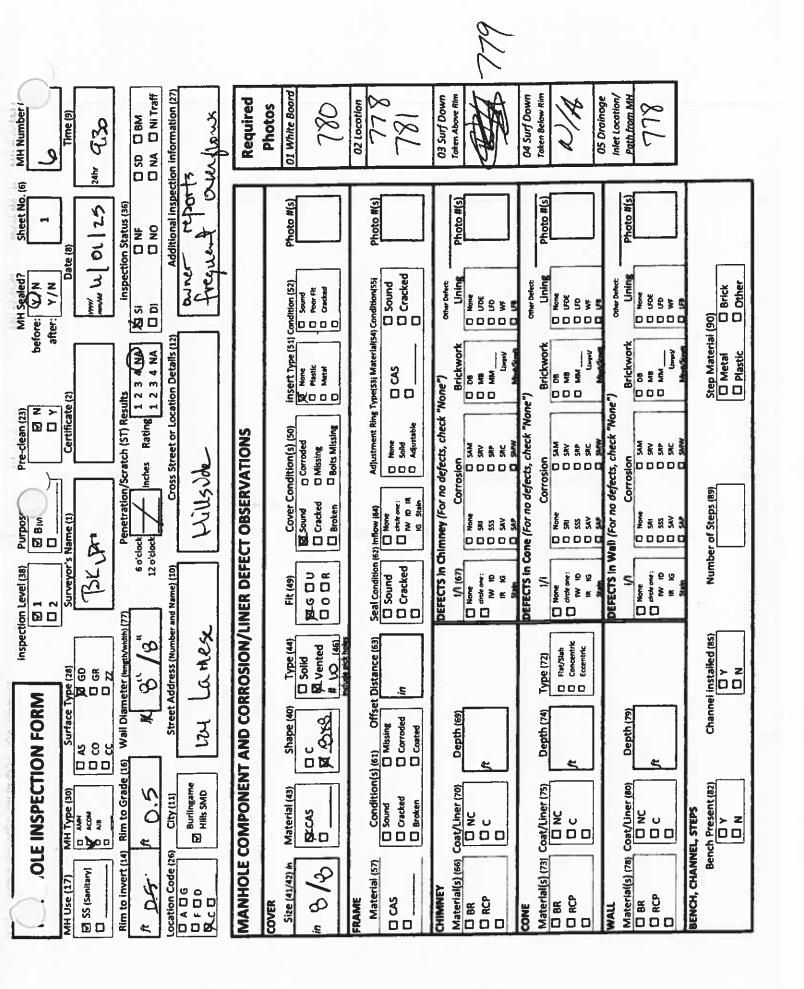


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			Condition (99)	\$Sound	C Defective	punos-g	C Defective	D Sound	C) Defective	D Sound	□ Defective	D Sound	□ Defective	D Sound	O Defective	© Sound	□ Defective
		OPTIONAL	Width (98)														
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			Shape (96)	Chrosen O Recongular O Soure	D 13	D Rectangular D Square	O Arched	Chrother D Rectanguler	D Andhed	O Chouler O Recomputor	Page C	Oroslar O Rectingular O Square	O Arched	O Chouler O Rectangular	D Arched	Orouter O Source	
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			Rim to invert (93)	71 77		77							ı.				
			Special Condition (101)	O OU (our these that O OL John bross Leas) O 10 (in drops that	C FM (Force Man)	O OU (Out Dres Up) O U. (Out Dres Lew) O IV (in: Dres Up)	O It (in Oraș Loud O FM (force Main) O LB (Lateral)	C) OV (One break Up) C) OX (One break Lead) C) 1V (in break Up)	O IL (in Drup Low) O FM (Force Main) O Lis (Leterns)	O OU four emprue) O Ot four emprue) O Y [in Pres Up]	C Filt (he Once Leas) C Filt (herce Make) C Us (Leasered)	OU (Out they last	C) It (in Oraș Law) C) FM (Force Main) C) 18 (Laterel)	OUt four brue up) Of (the brue up)	II. (in Drep Low) PM (ferrer Main) (1) (2) (Letwert)	Of fore been let	1 IL (in these sour) 1 FM (force Main) 1 Us (several)
20		REQUIRED	Direction (94)	= 0 = 0		7		= =			_	e E					D Out
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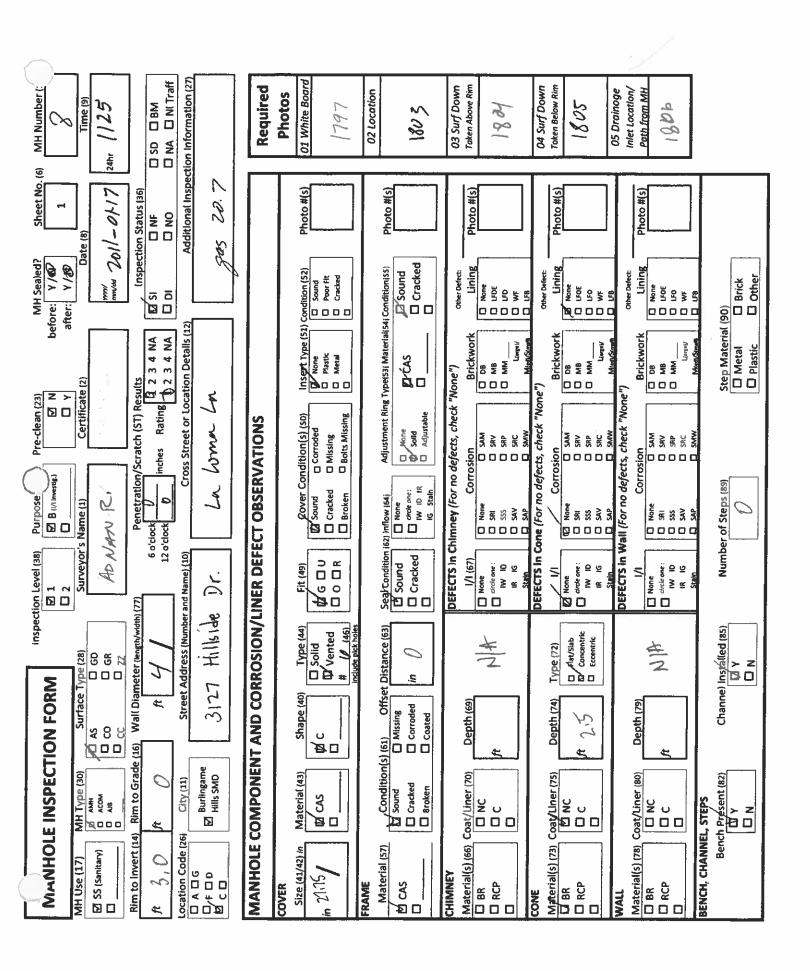




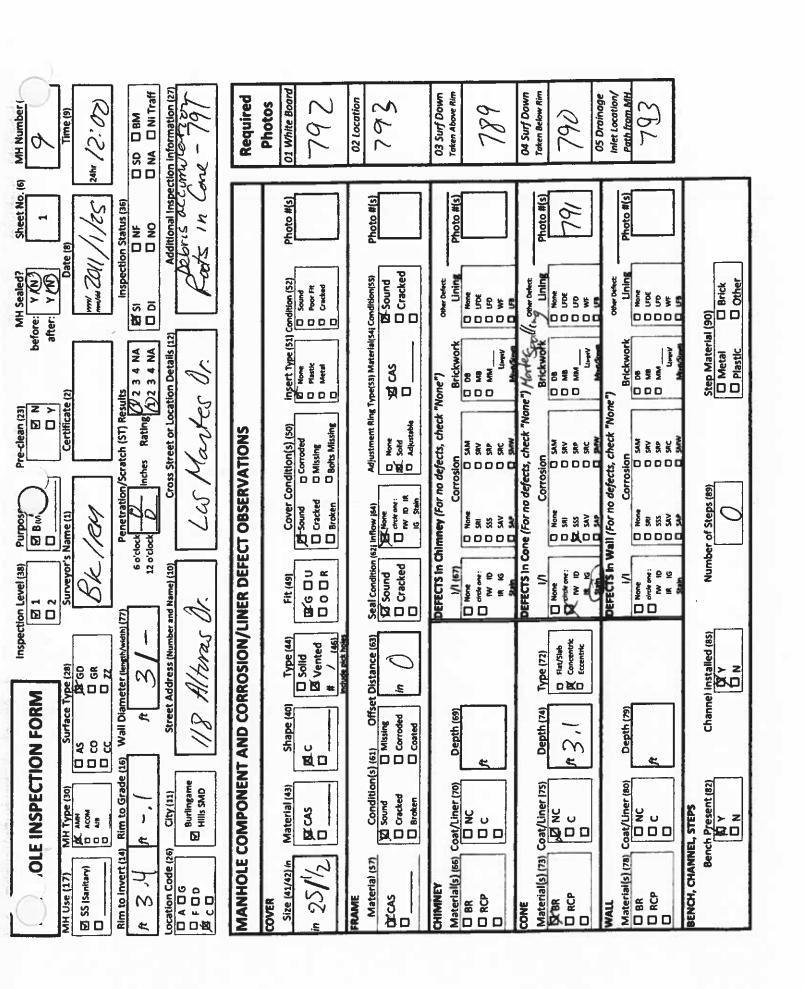
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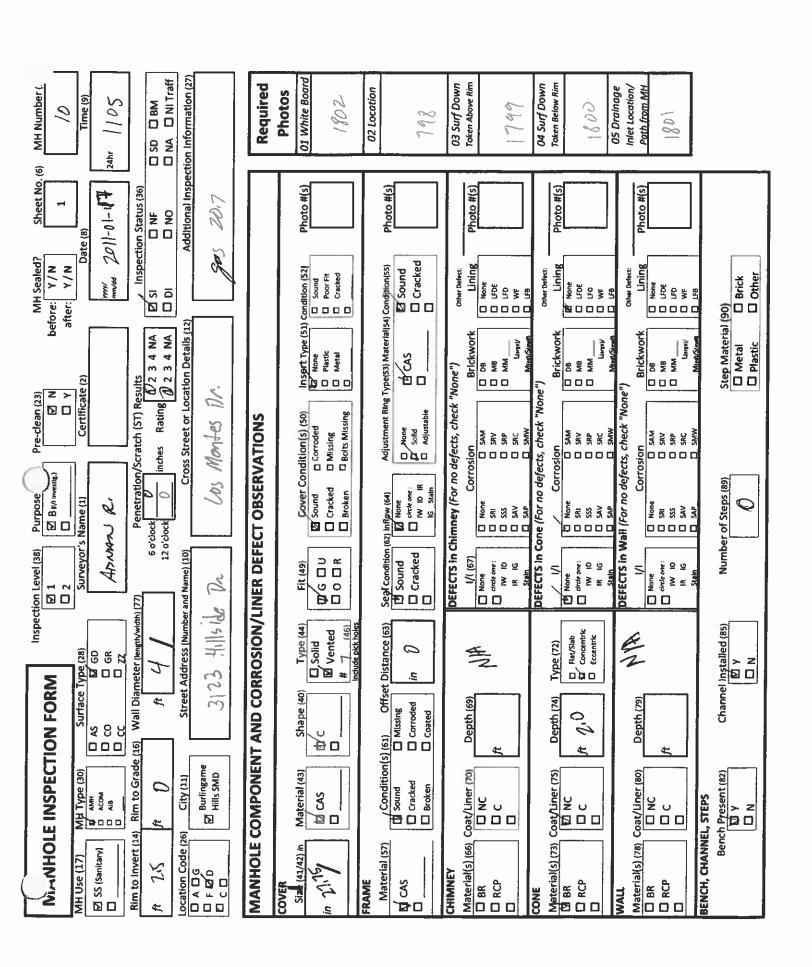
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Sheet No. (6) MH N Date (8)	Photo #(s) Photo #(s) Photo #(s)	
MH Sealed? Ter: VAL Ore:	The ISS Condition (52) Condit	iat (90)
3 4 NA 3 4 NA Details	Wone	Step Material (90)
	Corros Co	9
	Seai Condition (62) Inflow (64) Seai Cacked Cracked Cracked Cracked Cracked Cracked Seai Condition (62) Inflow (64) Inflowed Seai Condition (63) Inflowed Inflow	mber of
ins		Channel installed (85)
FION FORM Surface Type (28) Manual Diameter (empty) A Mail Diameter (empty) A Mail Diameter (empty)	Shape (40) Shape (40) Shape (40) Corroded	
OLE INSPECTION FORM MH Type (30) Surface Ty and Accord and Acco	Size (41/42) in Material (43) Shape (40) Type	NNEL, STEPS Bench Present (82)
MH Use (17) S S (Sanitary) Sim to Invert (14) Rim to Invert (14)	MANHOLE	8



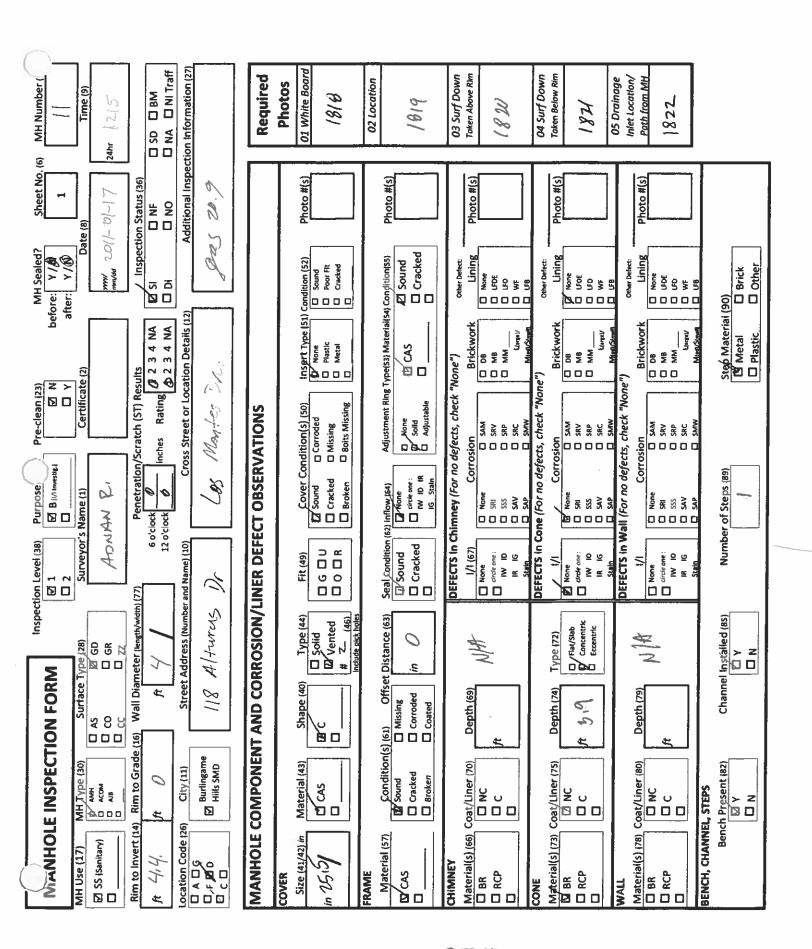
MH Number			Seal Condition (101)	E Sound	□ Defective	b Sound	□ Defective	punos 🛭	□ Defective	bailes		D Sound	□ Defective	D Sound	□ Defective	D Sound	□ Defective
			Condition (99)	dsound	□ Defective	punosp	D Defective	D Sound	D Defective	D Sound	□ Defective	D Sound	□ Defective	D Sound	□ Defective	D Sound	□ Defective
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			Diameter 197)	×	2	7	≫ .										
			Shape ,(96)	t Grouns Rectangular Square	V	UP Circular Rectangular Square		Chrutar C Rectangular	Arched	C Crcular C Rectangular	O Square	Circular Circular		Clrcular C Rectangular C Square		Chrouter Rectangular Square	
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			Rim to Invert 193)	7	l		117										
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		REQUIRED	Direction (94)	<u>.</u> . <u>.</u>					D Out		e ŏ O		o o o		<u>.</u>		ا ي
	ECTIONS		Clock Position (92)	9		7	-										
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MH Number			Seal Condition (101)	JK_ Sound	□ Defective	PC Sound	☐ Defective	punos -sy	□ Defective	D Sound	□ Defective	punos 🗅	Defective	D Sound	□ Defective	punos D	□ Defective
			Condition (99)	Sound	O Defective	punoso	C Defective	puno s p i	□ Defective	D Sound	D Defective	D Sound	O Defective	D Sound	□ Defective	punos 🗆	□ Defective
		OPTIONAL	Width (98)														
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			Shape (96)	O Square	O Arched	C Croster O Rectargular O Square	O Arched	D Square	D Arched	C Chroter C fectorguler C Square	O Arabed	C Croster C Recomputer	Page C	O Checker O Nectempalar O Source	D Archad	Orcalar O Sectangular	
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7		REQUIRED	Direction (94)	.e.		E		M. Ja		D E			T Oot		- TO O		D Out
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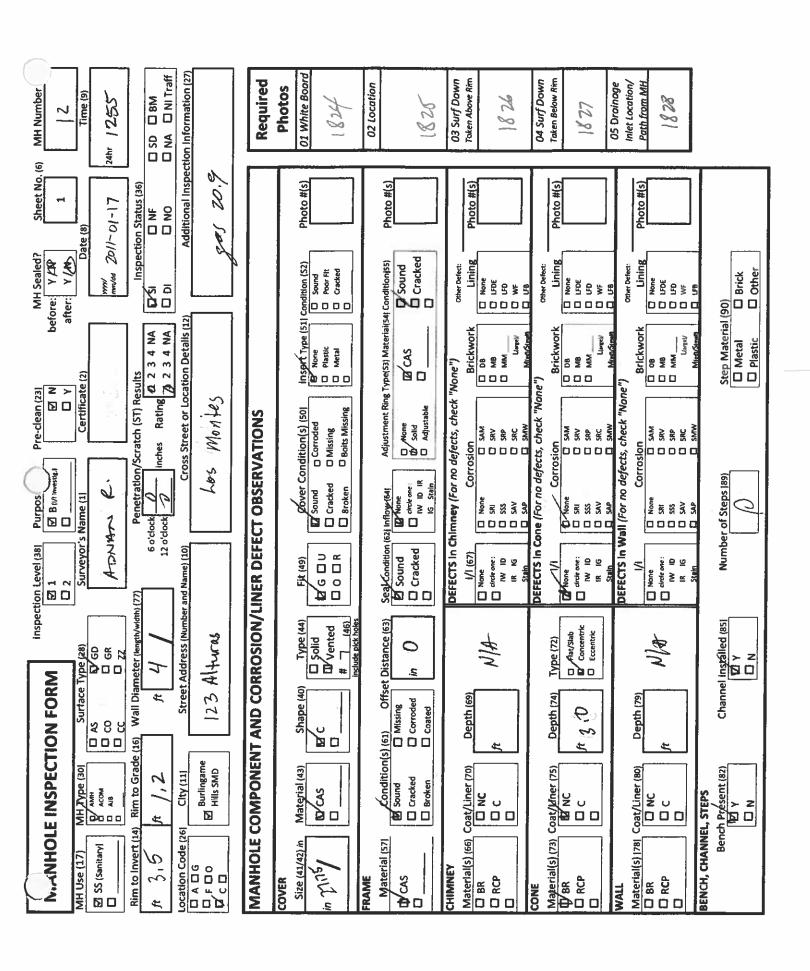


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	ECTIONS	REQUIRED	Rim to Invert (93)	,	2.5	2.9		7 7	516								
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MH Numbe:			Seal Condition (101)	punos 2	□ Defective	punos g	☐ Defective	D Sound	□ Defective	punos 🗆	□ Defective	punoS 🗆	□ Defective	Sound	□ Defective	punos 🗆	□ Defective
			Condition (99)	D-Sound	□ Defective	Dysound	☐ Defective	Desound	☐ Defective	D Sound	□ Defective	□ Sound	□ Defective	punos 🗆	☐ Defective	D Sound	□ Defective
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1			Rim to Invert (93)		ヹ	4,4	,	۲,4	\ \ \								
			Special Condition (101)	OU four one lips OU four ones Low) Of it in ones the!	I It th Drop Low! FM (Force Main) 18 (Leteral)	OU (out break law) Of (out break law)	J IL I'm Drop Low) FM (Force Main) Lis Batterati	OU four brop tips Of four brop tows I IV in brop tips	J IL (In Drop Low) FM (Force Main) Lis (Leheral)	OU (Out Drop up) Ou (Out Once Lew)	O II, the Drop Lowd O FM Force Maint	OU (Out throp Up) OU (Out throp Law) If (in throp Up)	Off (in Drop Low) FM (Force Main) UB (Lenteral)	OU four Drop Up?	I (In Drup Low) FM Force Maint LB (Leteral)	OU foer brop up) OU four brop tow)	O IL (in Drop Low) O FM (Force Marn) LB (Lateral)
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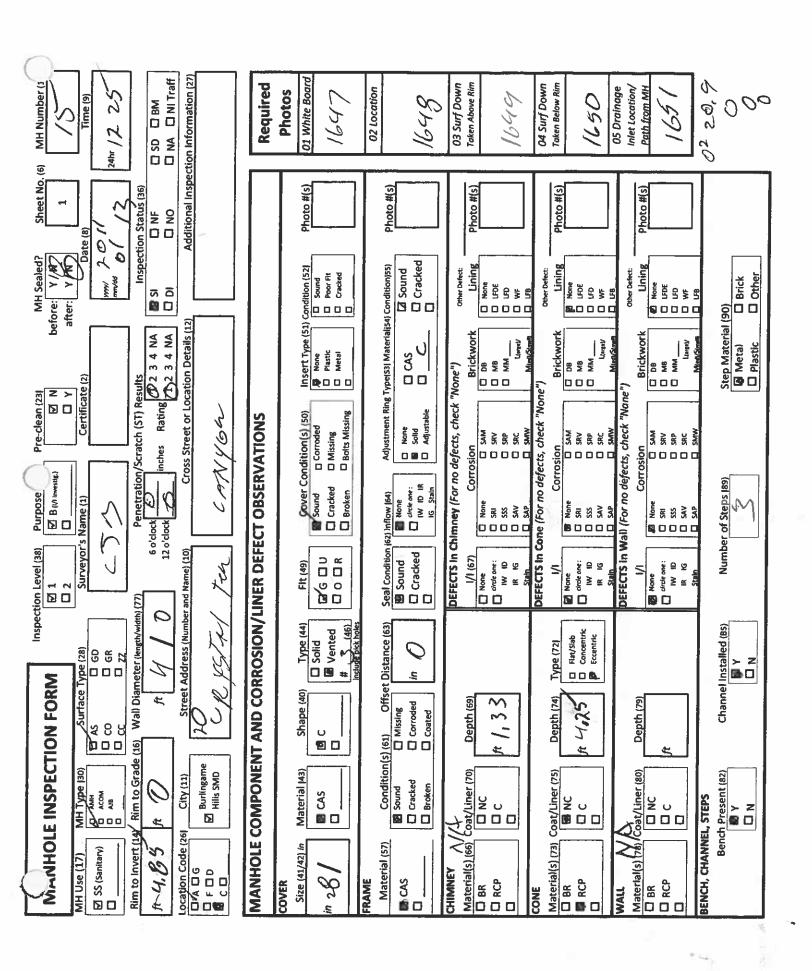
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			Condition (991	D.Sound	□ Defective	punoses	☐ Defective	Dunosp	□ Defective	D Sound	□ Defective	Dunos 🗀	□ Defective	D Sound	□ Defective	D Sound	□ Defective
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			Diameter (97)		80	,	e	(%								
~			I CA	(D) circular D Recongular D Source		G Orcular D Rectangular	Paragraph C	LEG Circular Rectangular		Choular Rectangular	O Square	Choular Choular Choular Choular Choular		Croular C Rectangular Square		Circular Rectangular Square	
)- -			Material (95)	200 E	2	dox 25	348	40x 43	3 8 8 1	40x 00	9 2 5 g	\$ \$ \$	345	\$ \$ 3			
			Rim to Invert [93]		3,3		3,5		5,5								
			Special Condition (101)	OU (Out Drop Low) It (in Drop Lop)	It (in Drop Low! FM ifforce Maint LB (Lateral)	OU tout one tips Of tout one tout	It in Drop tow! It in Drop tow! FM (force Nain) LB (Literal)	OU fout brup up) OL (Out brup tout) It (in brup up)	O IL (in Drop Low) O FM (Force Main) O LB (Lateral)	OU (Out Drop Low)	U (in Oreș Up(U (i Dreș Low) U FM (forze Main) U B (Lirearai)	OU (Out Drop Up)	It fin Drop Low! FM (Force Main) LB (Laterary)	OU four brep Up) OU four brep Lew) U fin Bres Up)	It (in Drop tow) FM (force Main) LB (Lateral)	OU (Out Drop Up) Of (Out Drop Up) U) (In Drop Up)	It in Drop Low) FM (force Main) LB (Laveral)
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	ECTIONS		Clock Position (92)		٥	,	7		5								
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te (8) Time (9) Time (9) Time (9) Time (9) Time (9) Time (9) To Status (36) In No Distribus (36) In No Distribus (36) Additional inspection information (27)	Required	Photos 01 White Board 4.22	02 tocation 423	03 Surf Down Taken Above Rim	04 Surf Down Token Below Rim 425	05 Drainage inlet Location/ Path from MH # 26	20.9
S Name (1) Certificate (2) S Name (1) Certificate (2) AM Sealed? Daniel (1) Certificate (2) Certificate (3) Certificate (2) Certificate (3) Certificate (2) Certificate (3) Certificate (4) Certificate (4) Certificate (4) Certificate (5) Certificate (4) Certificate (5) Certifica	EFECT OBSERVATIONS	Cover Condition(s) (so) Insert Type (s1) Condition (52) Photo #(s) Cover Condition(s) (so) Insert Type (s1) Condition (52) Photo #(s) X Sound	Seal condition ls2) Inflow (s4) Adjustment Ring Type(53) Material(54) Condition(55) Photo #(5) A Sound Mone Cracked In the Intervention of the In		Corrosion Srickwork Saw Say Say Say Say Say Say Say	Nall (For no defects, check "None") Corrosion San DB San DB San San San San San San San San Sa	umber of Steps (89) Step Material (90) Metal Plastic
MANNHOLE INSPECTION FORM	MANHOLE COMPONENT AND CORROSION/LINER DEFECT	Size (41/42) in Material (43) Shape (40) Type (44) Fit (49) EX C C Solid EX G U U Vented C O D R EX C EX C		CHIMNEY Material(s) (ssi Coat/Liner (70) □ BR □ BR □ C ↑ / ↑ □ C □ None ↑ / ↑ ↑	CONE Depth (74) Type (72) DFFECTS is a constitution of constitution	WALL DEFECTS In Depth (79) DEFECTS In 1/1 Material(s) (78) Coat/Liner iso) Depth (79) 1/1 □ BR □ NC □ None □ RCP □ C ∫f □ None □ RCP □ C ∫f □ None □ NC □ C ∫f □ None □ NC □ C ∫f □ None □ NC □ C □ None □ None □ NC □ C □ None □ None □ None □ NC □ C □ None □ None □ None □ None □ NC □ C □ None □ None	Bench, CHANNEL, STEPS Bench Present (82) Channel Installed (85) (第 7 大阪 7 口 N

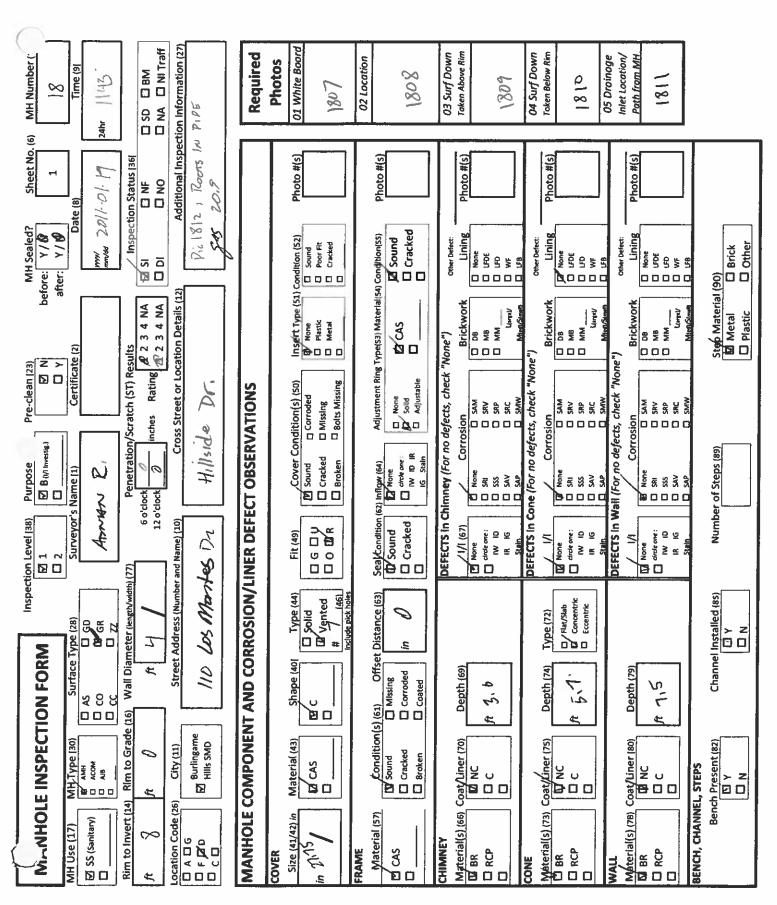
MH Number			Seal Condition (101)	g/ Sound	□ Defective	M Sound	C) Defective	punoS 🗆	□ Defective	punos 🖸		Sound	□ Defective	D Sound			Defective
			Condition (991	\$Sound	□ Defective	A Sound	□ Defective	D Sound	□ Defective	- Sound	□ Defective	D Sound	□ Defective	D Sound	□ Defective	Count	□ Defective
		OPTIONAL	Width 198) inches	V/ (V	W/M	V/ 19	W/H										
			Diameter (97)	01, 7	<i>O III</i> .	\ \ \ \	1m.										
			Shape (96)	G. Grangular G. Rectangular G. Square	O Arched	Chrouler Chrouler Chrouler Chrouler Chrouler Chrouler	Arched	Crouler C Rectangular	Andred C	O Circular O Rectangular	O Square	Crouler C Rectangular	O Arthed	Croular C Rectangular	Square Arched	Choular C Rectangular	
			Material (95)	D.X(D)	2 AC	□.¤(□ \$ \$ 3	000	l .	3 8 %		000B		0000 24 }		2 4 5		% C C C C C C C C C C C C C C C C C C C
			Rim to Invert (93)	755H	1-274	U/CD	7.60TF										
4			Special Condition (101)	OU (Out they Up) OI (Out they Law) OI (In they Up)	O IL (in Drop Low!) O FM (Force Main) O LB (Letural)	OU (Our One) Up) OU (Our One) Low) U (in One) Up)	O IL (in Drop Low) O FM (Force Main) O LB (Leteral)	OU (Out Orose Us) Ou (Out Drope Low)	I (in Drop Low) SM (Force Maint)	OU toke Omys Up)	It's fin Drop Lip! It's fin Orop Low; Force Man; SM (Force Man) Sh I second.	OU (Out Drop Up)	(1) (in Drop Lip) (1, (in Drop Low) FM (Force Main) (2)	OU (Out Drop Low)	IV In Orep Up) It (in Orep Low) FM (Force Main) Us (Luteral)	OU (Out Once Up)	U (in Prop Up(U IL Im Drop Low) O FM (Force Maln)
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	ECTIONS		Clock Position (92)	9		17	7 .										
SKL. JH	PIPE CONNECTIONS		Pipe Number (91)	-		0	1										

	MANHOLE INSPECTION FORM	INSPECT	ION FOR	Si Si	pection Level (38)	Purpose (// Investig.)	Pre-clea	ē	MH Sealed?	Sheet No. (6)	6) MH Number (1
	MH Use (17) MH S SS (Sanitary)	MH Type (30) AMH ACOM D AIB	Surface D co D co	Surface Type (28)		Surveyor's Name (1) BK/RM	Certificate (2)		after:][/>	Time (9)
	Rim to Invert (14) R	Rim to Grade (16)		Wall Dlameter (length/width) [77]		Penetration 6 o'clock	Penetration/Scratch (ST) Results IX	2 3 4 NA	Inspecti	Inspection Status (36)	O SD O BM
	Location Code (26)	City (11) Burlingame Hills SMD	$\frac{\text{Stree}}{3/4}$	Street Address (Number and Name) (10) 140 Can 401 Rd.	r and Name) (10)	Sty I'Me	Cross Street or Location Details (12)	cation Details (1		Additional Inspe	Additional Inspection information (27)
	MANHOLE COMPONENT AND CORROSION/LINER DEFECT OBSERVATIONS	MPONEN	NT AND CO	RROSION/I	INER DEFI	CT OBSER	VATIONS		;		Required
	COVER Size (41/42) in M	Material (43)	Shape (40)	Type (44) Solid Vented	Fit (49)	Cover Co	Cover Condition(s) (50) Sound Corroded Cracked D Missing Broken D Bolts Missing	insert Type (s1) A None Plastic Metal	1) Condition (52) (Sound Door Fit Cracked Cracked Cracked	Photo #(s)	Photos 01 White Board 423
	FRAME Material (57) A CAS	Condition(s) (s1) (A) Sound	lissir orro	Offset Distance (63)	Sea (Condition (62) inflow (64) Sound Cracked When to the one of the one o	(62) inflow (64) M None Circle one: IW 1D IR	Adjustment Ring None Solid Adjustable	Adjustment Ring Type(S3] Material(S4) Condition(SS) None	(54) Condition(55)	Photo #(s)	12 Location 429
)/A	VEY (al(s) (66	Coat/Liner (70)	Depth (69)		DEFECTS In C 1/1 (67) None Clade one: W ib iR ig	himney (For na		"None") Brickwork D be D MM D MM MM MM MM Meren/Stanm	Other Defect: Lining Defect: Consultation Defect: Defe	Photo #(s)	03 Surf Down Taken Above Rim
	CONE Material(s) (73) Coal K BR C RCP C C	Coat/Uner (78)	Depth (74)	Type (72) Flat/Sab Concentric Eccentric	J/I None orderone: in in ig	One (For no de	Corrosion	6	Other Defect: Lining None C LFDE C LFD	Photo #(s)	04 Surf Down Token Below Rim
THE STATE OF THE S	WALL Material(s) (78) Coa	Coat/liner (80)	Depth (79)		DEFECTS in V	Val) (For no de Coi	DEFECTS in Wall (For no defects, check "None")	Brickwork Brickwork D 08 MM MM Mental		Photo #(s)	05 Drainage inlet Location/ Path from MH
	BENCH, CHANNEL, STEPS Bench Preser	ANNEL, STEPS Bench Present (82)	Chann	Channel Installed (88)	Numb	Number of Steps (89)		Step Material (90) Cl Metal Cl I	1 (90) W/A Brick		209
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MH Number			Seal Condition (101)	Q' Sound		Sound Spind	□ Defective	punos 🐞	□ Defective	Dunos 🞝	□ Defective	Sound Sound	□ Defective	punos 🛭	□ Defective	D Sound	□ Defective
			Condition (99)	⊅ Sound □ Defective		≱ Sound	🛘 Defective	M Sound	□ Defective	punos pa	☐ Defective	punos	□ Defective	punos 🗆	□ Defective	D Sound	□ Defective
2		OPTIONAL	Width (98) inches														
Ench Lench Lichte Fredering Todant cide			Diameter (97) inches	9	,)	0	/	0	//	7)	٥				
Total Tark			Shape (96)	Crouler Rectangular Square Arched		Rectangular Square		Chouler Chouler Chouler Chouler		Ø Circular G Rectangular G Square	O Arched	A Circular Rectangular Square		Circular Rectangular Square	O Arched	Circular Rectangular Square	
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	₽		Rim to Invert (93)	385		0	J. 0	no C	0.07	2 0	۵	278	010				
m 1			Special Condition (101)	O OU (Out Doop Up) O U (Out Drop Low) O IU (in Drop Up) O II (in Drop Low) O II (in Drop Low)	LB (Letteral)	Out tout they up I	U 1L (in Drop Low) D FM (Force Main) D LB (Lateral)	OU four brop up) OL four brop tow) IU (in brop top)	If (in Drop Low)	OU (out thep Up) OL (out thep Up) IU (in thep Up)	O IL (in Drop Low) O FM (Force Main) D LB (Lateral)	OU four throp trail Of, four throp tow)	It fin Drop Low) FM (Force Main) L8 (Laceral)	OL four they Up) OL four they Low) (U fin they Up)	O fl. (in Orop Low) O FM (Force Main) O LB (Laceral)	OU (Out Drop Up) O (Out Drop Low) I (U (in Drop Up))	(L tin Drop Low) FM (Force Main) LB (Leteral)
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1/2	ECTIONS		Clock Position (92)	9		0	_	<	2	\	/	(7				
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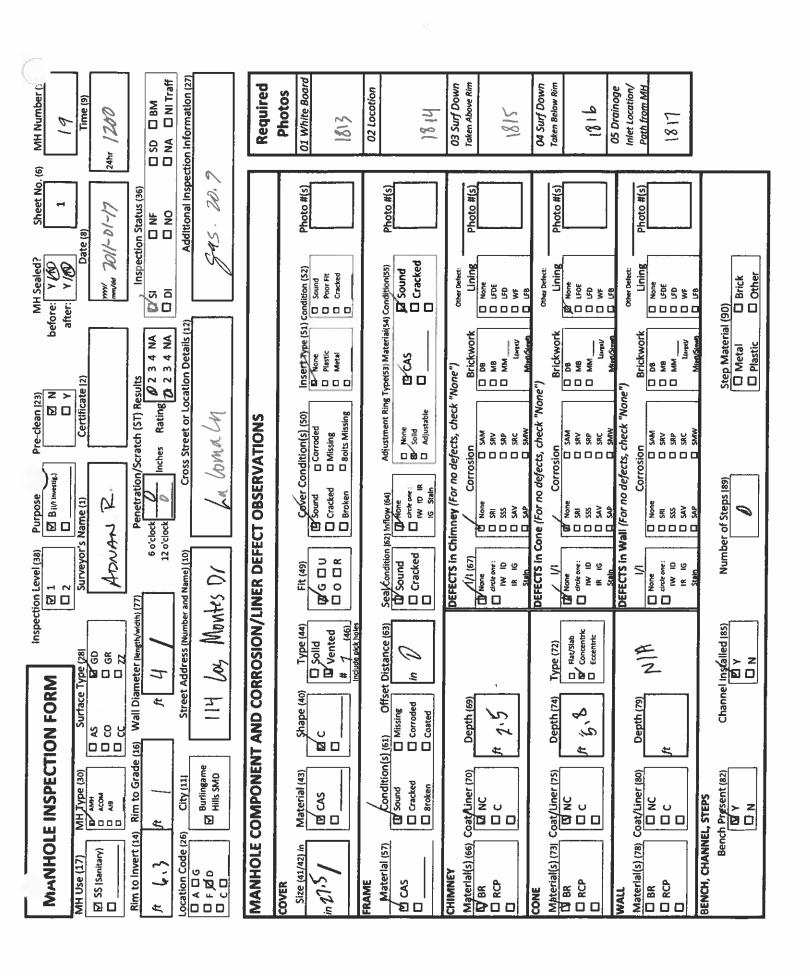


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Pipe Number (91)	Clock Position (92)	Direction (94)	Special Condition (101)	Rim to invert (93)	Material (95)	Shape (96)	Diameter (97)	Width (98)	Condition	Seal Condition (101)
ŀ	9	<u>=</u>	OV (Out Drep Up) Of (Out Ontp Low)	<u>'</u>	F	Circular Rectangular Square	\		E Sound	punos 🛦
4	>		It im Dres Low] FM (Force Main) LB (Leveral)	9.15	> 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		9		□ Defective	□ Defective
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7	=		It (In Drop Low) FM (Force Main) LB (Leteral)	4.9			O		□ Defective	□ Defective
۱	ĺ	<u> </u>	O OU (Out Drop Up)	\	000 \$	Circular Rectangular Square	"		punos g	punos 🖆
Λ	1/		It (in Orop Low) FM (Force Main) Is (Lateral)	4.75			7		□ Defective	□ Defective
10	7	<u>=</u>	OV (out Drop Up) OV (out Drop Low) U (in Drop Up)		000 \$\$3	Crouler C Rectangular Squere	11		punos da	D Sound
>)		It (in Drop Low) FM (Force Main) UB (Lateral)	4.75		O Arched			□ Defective	□ Defective
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			It, lin Drop Low; FM (Force Maint) UB (Leterat)			O Anched			□ Defective	□ Defective
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			O II (in Drep Low) O FM (Force Main) U (Lateral)						□ Defective	□ Defective
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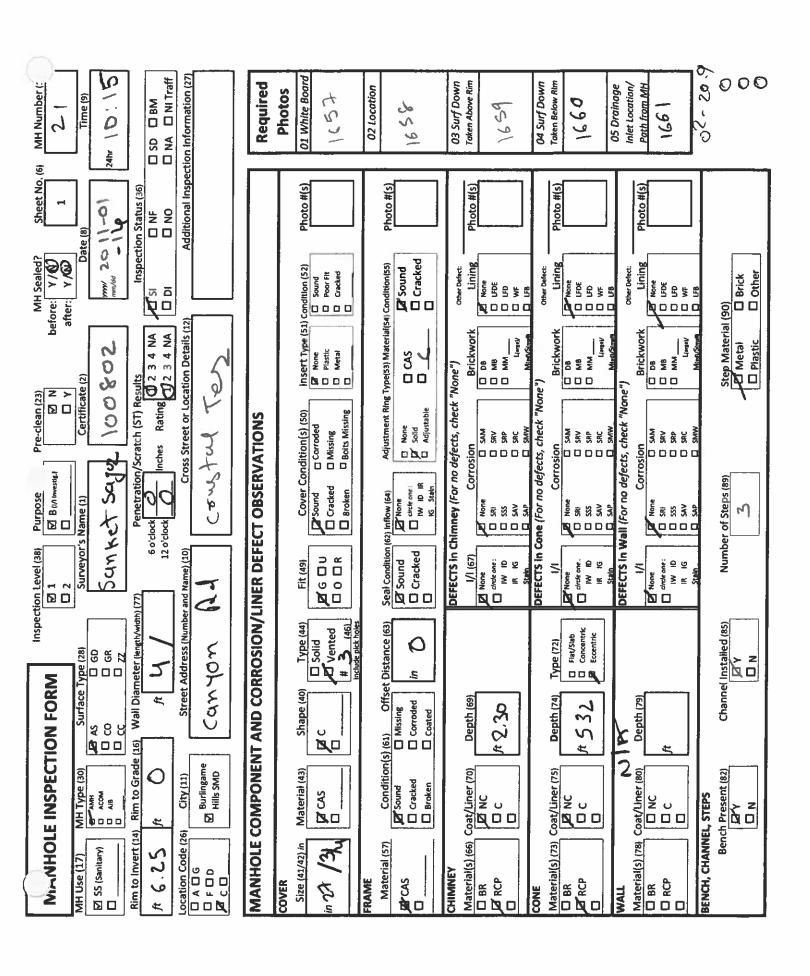


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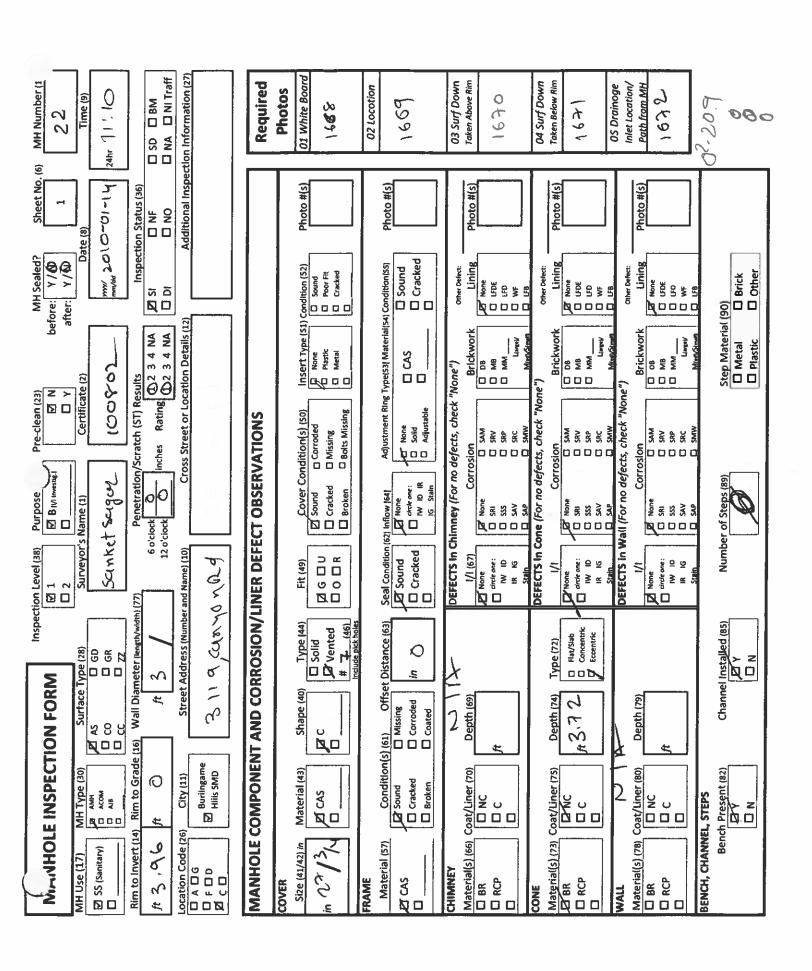
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			Rim to Invert (93)	8	0	11	7-	Ô	0								
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		REQUIRED	Direction (94)	<u> </u>		ם			_ Out		ont		D Out	<u>د</u> ا		<u>د</u>	
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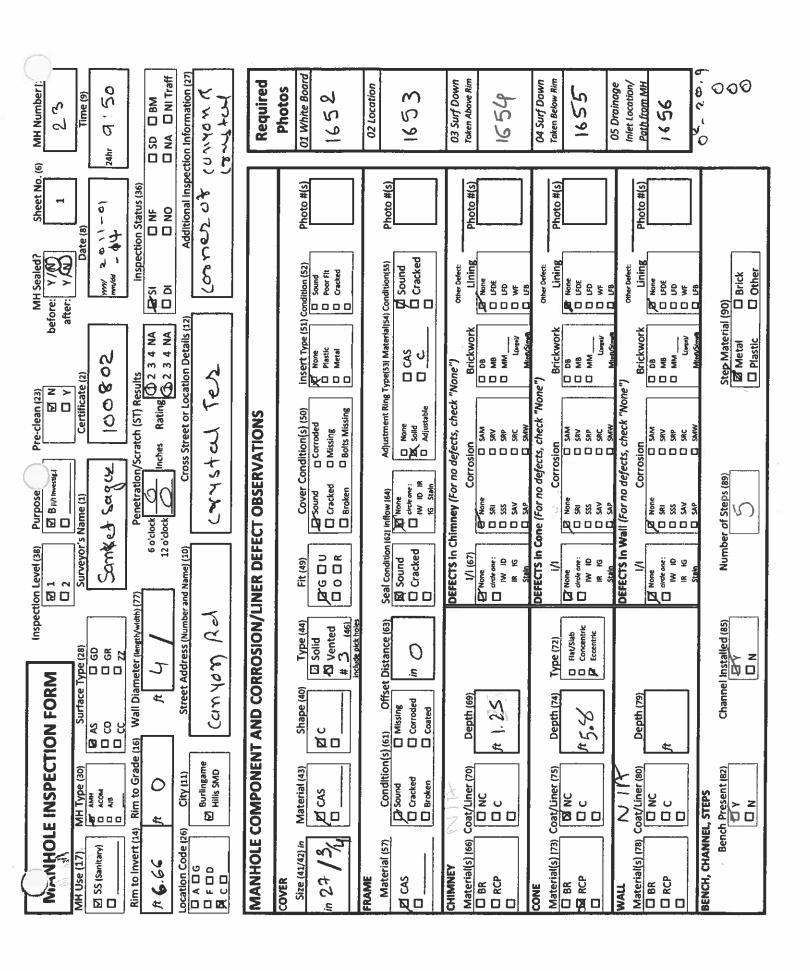
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			Condition (99)	Desound	□ Defective	Pa Sound	□ Defective	(A Sound	□ Defective	D Sound	□ Defective	D Sound	□ Defective	D Sound	□ Defective	D Sound	□ Defective
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n t t			Material (95)	5 5 3		00 VC	D AC	5 \$ \$ \$	000 8 %	O NCP	345	200	3 % §	553	2 × ×		3 * %
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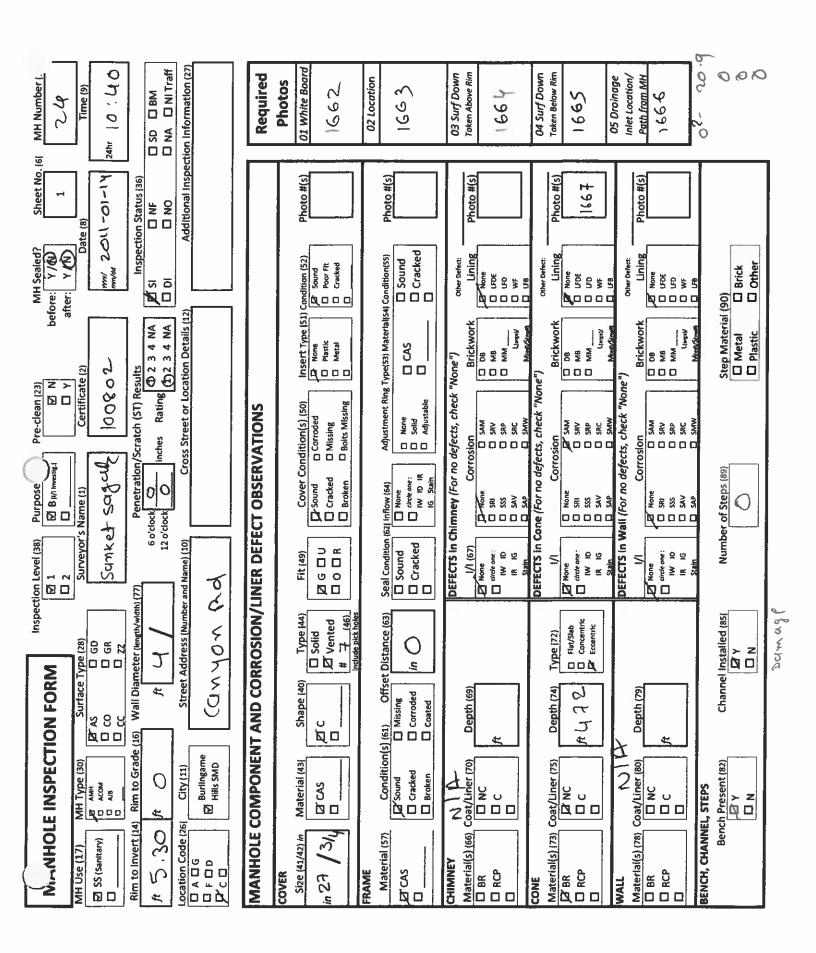
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MH Number			Seal Condition (101)	punos 9	□ Defective	bunos 🗷	□ Defective	D Sound	☐ Defective	punoS D	□ Defective	D Sound	□ Defective	D Sound	□ Defective	punos a	□ Defective
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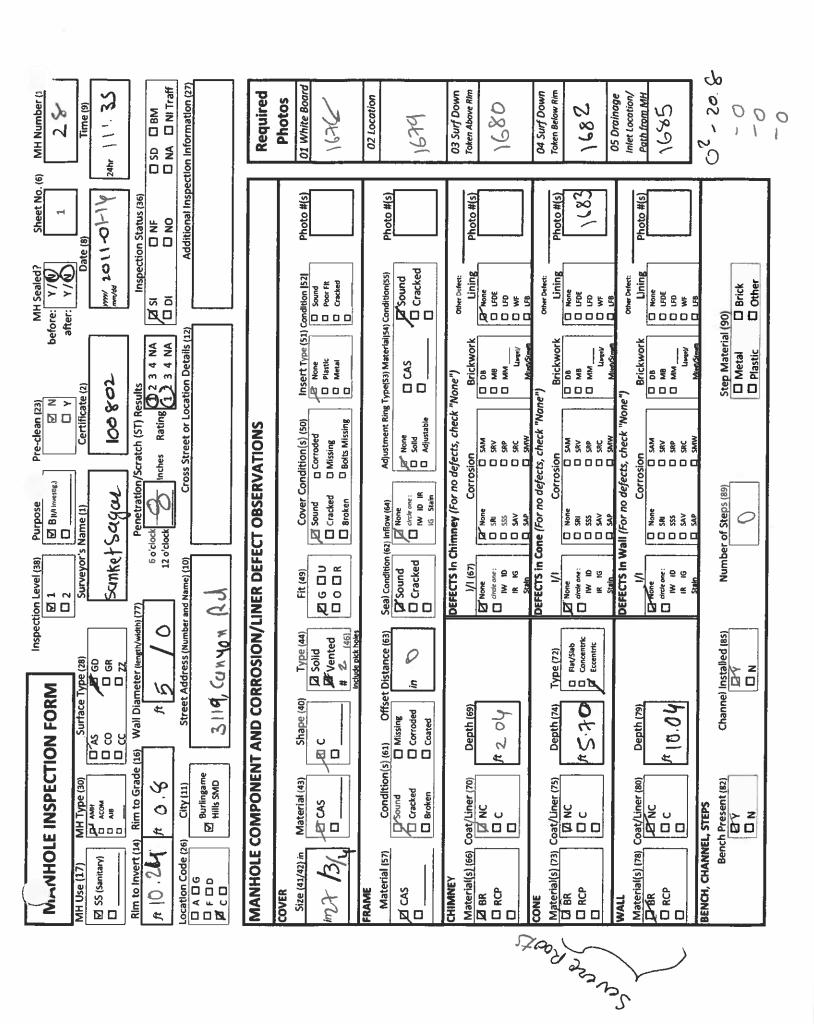
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			Condition (99)	punos gr	□ Defective	2 Sound	□ Defective	M Sound	□ Defective	D Sound	□ Defective	D Sound	□ Defective	D Sound	□ Defective	D Sound	□ Defective
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24			Material (95)	ි දිරි දර් දර් දර් දර් දර් ව	۵۵ ا لاً	වේ ස් ට් වී දී දී දී		₽ ,6 □		000 2000	3 4 §	92 0 830	2 × ×	2 0 0	3 4 §	\$ \$ 3	2 × ×
7			Rim to Invert (93)	999		999		997))							:	
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SK	PIPE CONNECTIONS		Pipe Number 191)	П		7		⁶	\								



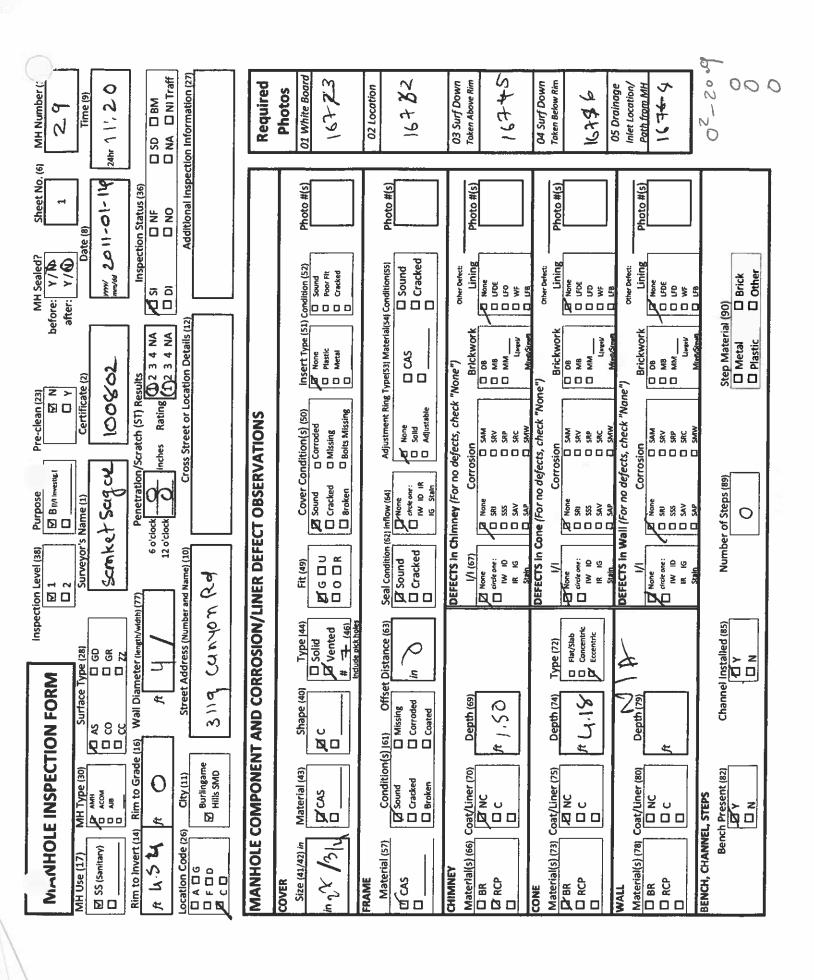
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d			Rim to invert (93)	5.28		5.16		からり		7 20	50,0				İ		
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te (8) Time (9) Required Photos 01 White Board	02 Location (686 03 Surf Down Token Above Rim	O4 Surf Down Token Below RIm 14 35 05 Drainage Inlet Location/ Path from MH 13 6		
	Photo #(s)	CHIN# X4C		
Territ Marks	Insert Type (51) Condition (52) None Sound Institute (52) Condition (52) Sound Cound Coun	Ype(53) Material[54] Condition(55] X CAS C Cacked C Cracked One") Other Defect: Brickwork D M8 D WB	Work	Step Material (90) C Metal C Brick Plastic C Other
Pre-clean (23) B (VI invests) The continues of the cont		stment Ring T. None Solid Adjustable Adjustable ts, check "A		Step Mate
Purpose B B(A) Invest S Name (1) S Name (1) Penetrati O'clock	Cover Condition(s) (50) Cover Condition(s) (50) Cover Condition(s) (50) Cover Condition(s) (50)	(62) Inflow (64) A None True one: No D IR IG Stain Corros Stain Stain None Stain St	Cone (For no defectors) Sale	Number of Steps (89)
	(44) Fit (49) ed			
ON FORM Inspection	COVER Size (41/42) in Material (43) Shape (40) Type (44) Fit (49) Cover Condition(s) (50) in Z7/1/2 Example (42) Example (43) Example (44) Example (43) Example (4	Offset orroded oated oated	Depth (79) Depth (79) Depth (79)	Channel Installed (85)
MH Type (30) MH Ty	Material (43)	Condition(s Sound Cracked Cracked Broken Coat/Liner (70)	(80)	Bench Present (82)
MH Use (17) Si SS (Sanitary) Rim to Invert (14) ft S_ / Location Code (26) D A D G D A D G E D D E D D	COVER Size (41/42) in	FRAME Material (57) K CAS C CAS C Material(5) (66) F BR	CONE Material(s) (73) Coat/Line PQ BR CD RCP CD C CD	u.

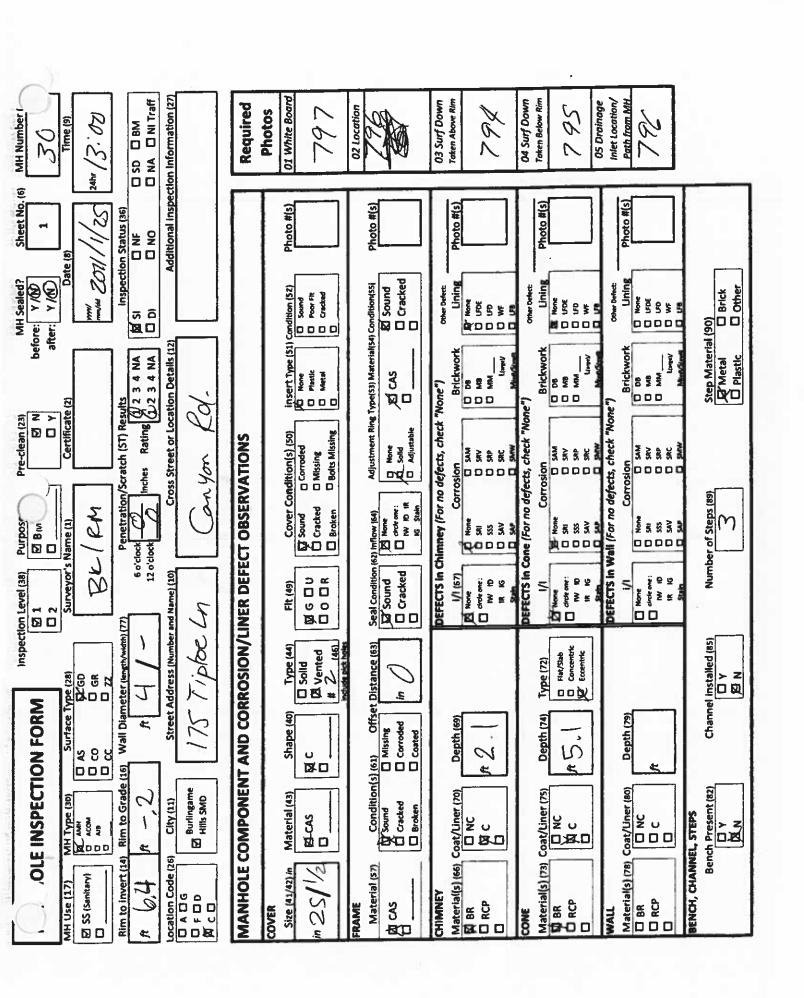
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			Condition (99)	punos ja	☐ Defective	puno5/0	☐ Defective	Punos 🛭	□ Defective	D Sound	☐ Defective	D Sound	□ Defective	D Sound	□ Defective	D Sound	☐ Defective
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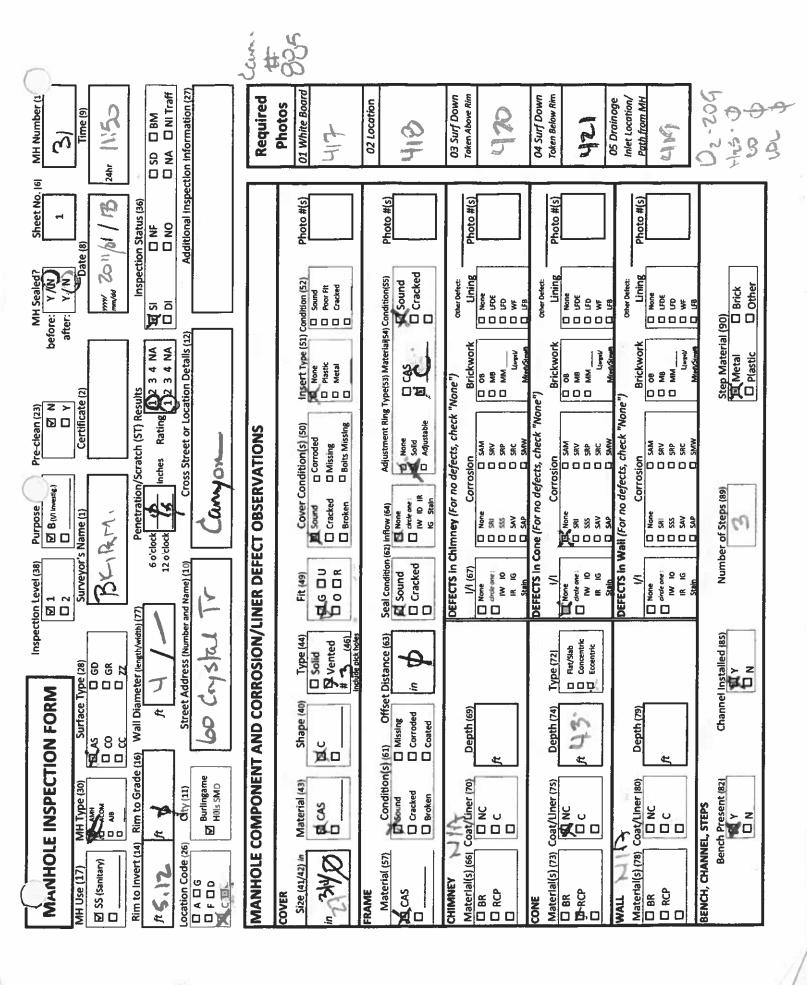
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)	,	Ont	O IL (in Drop Low) O FM (Force Main) O LB (Lateral)				0		□ Defective	□ Defective
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			It (in Drop Law) FM (force Main) U.B (Lateral)		2 X	O Arched			□ Defective	□ Defective
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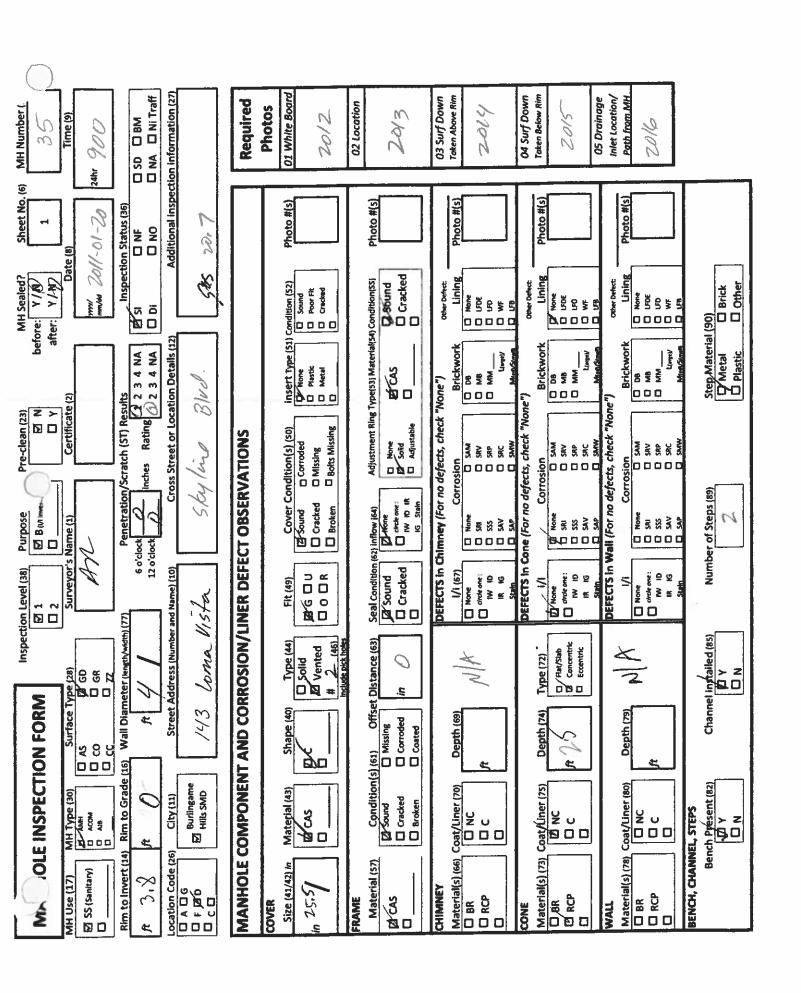
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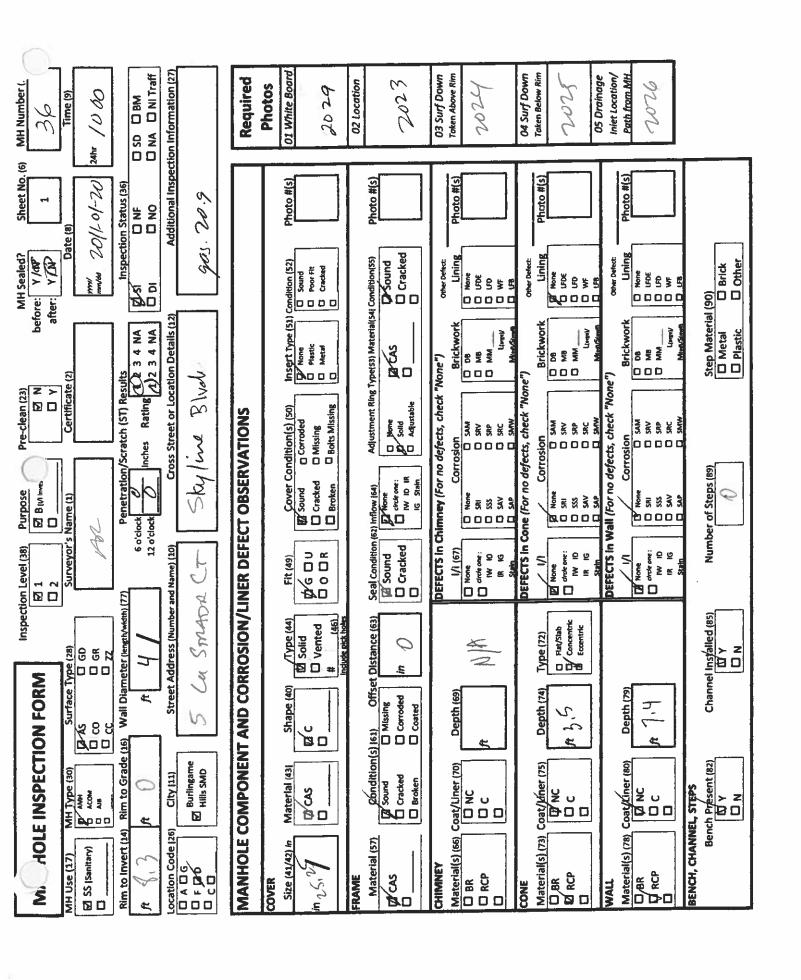
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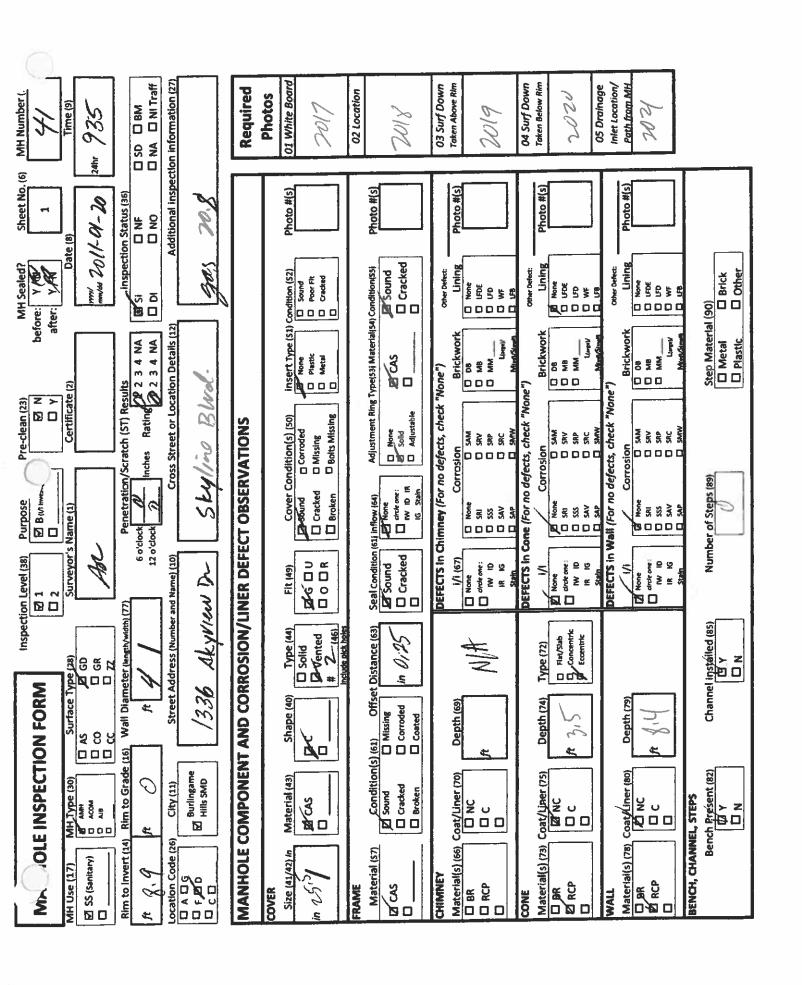
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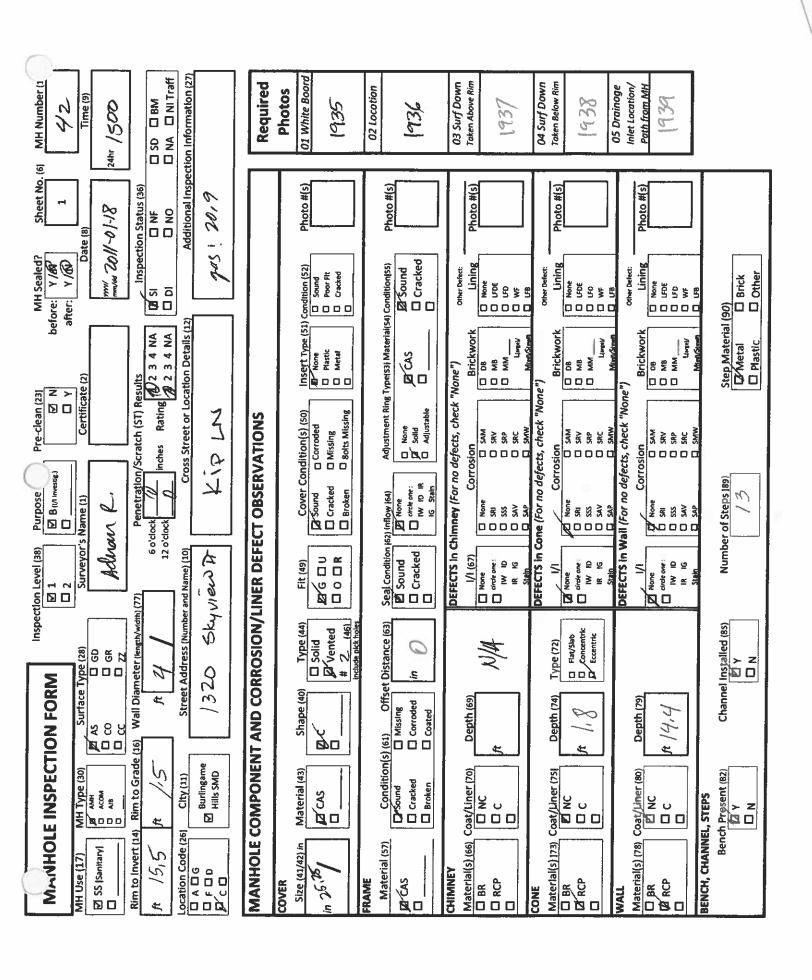
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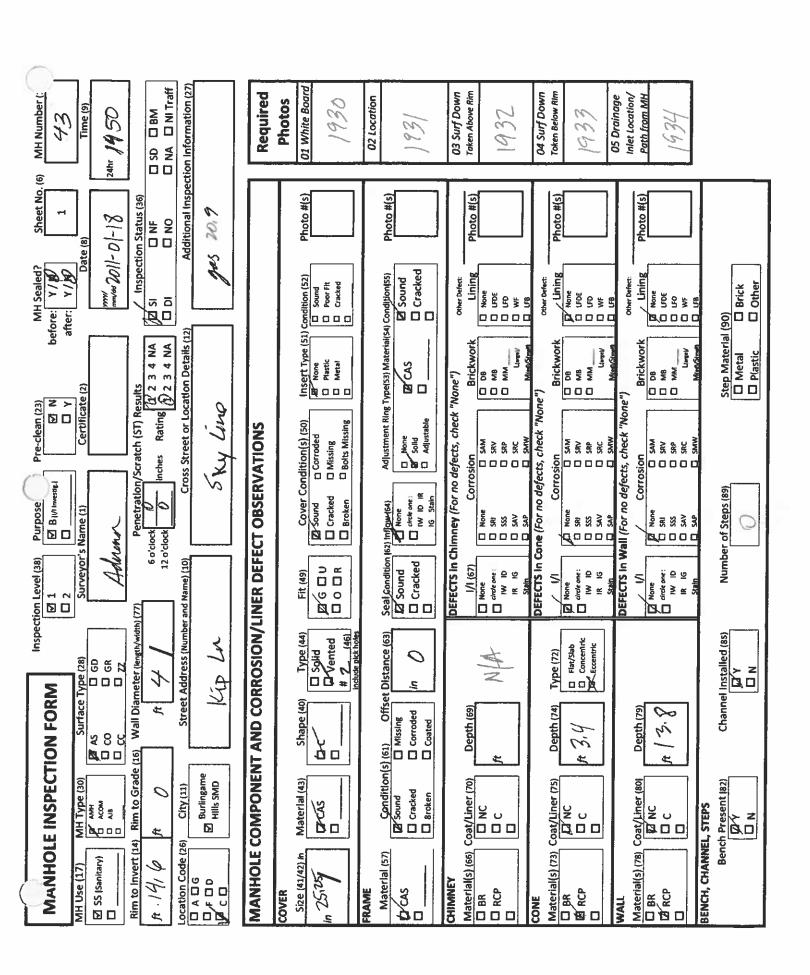
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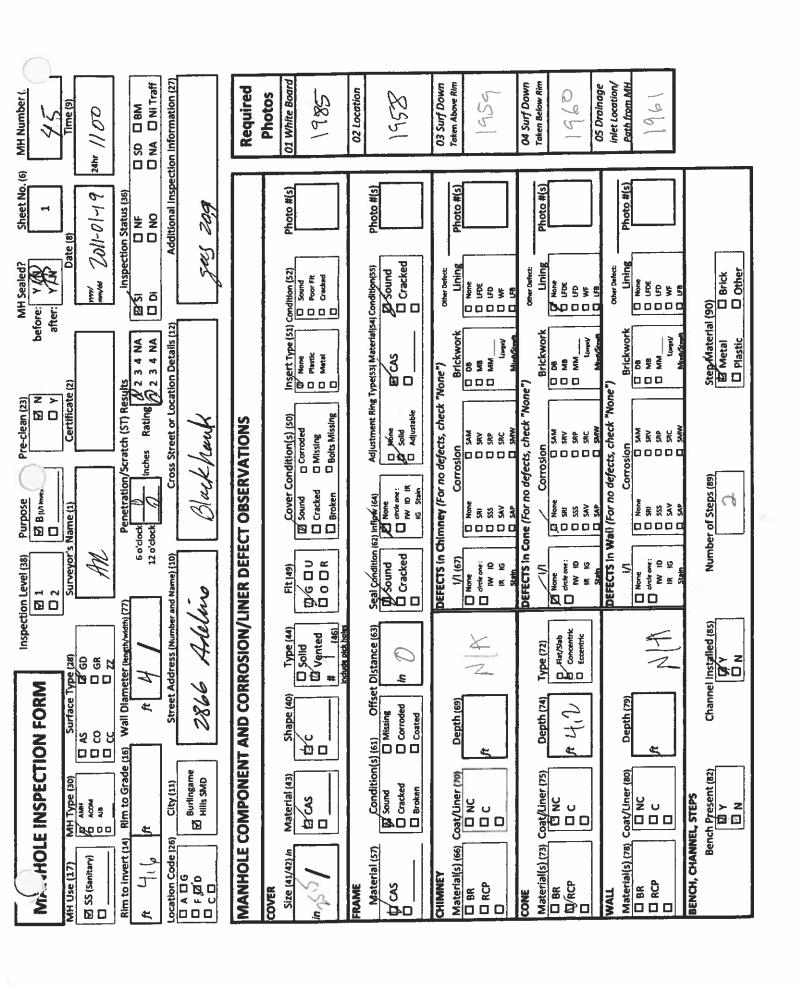
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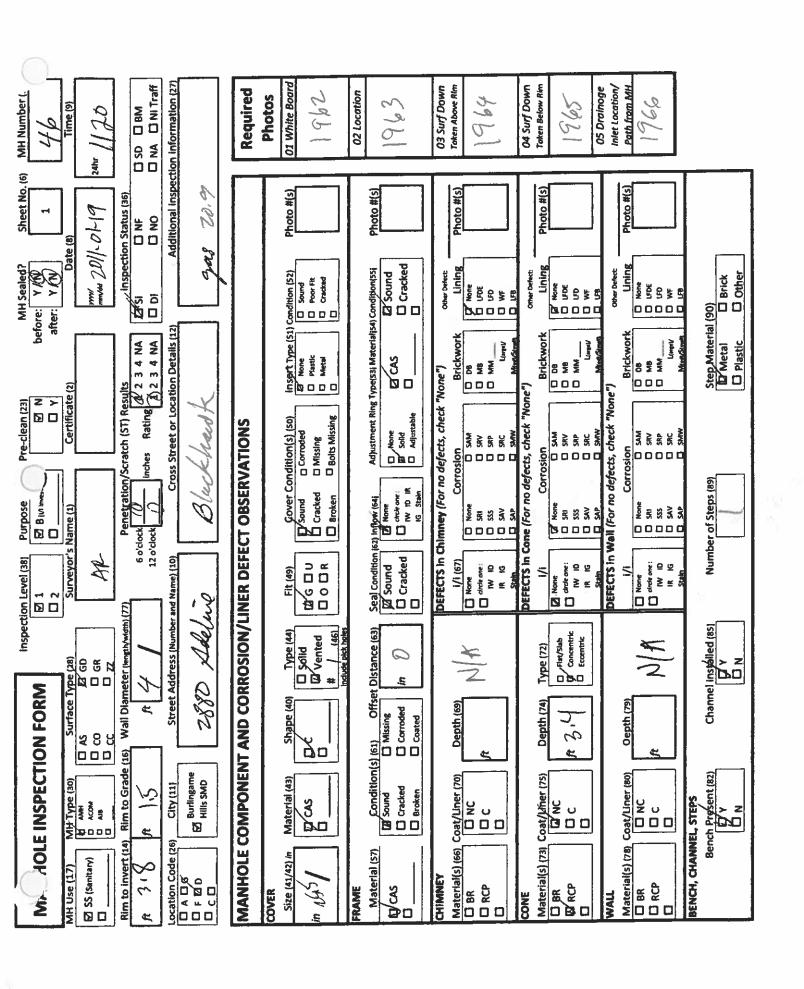
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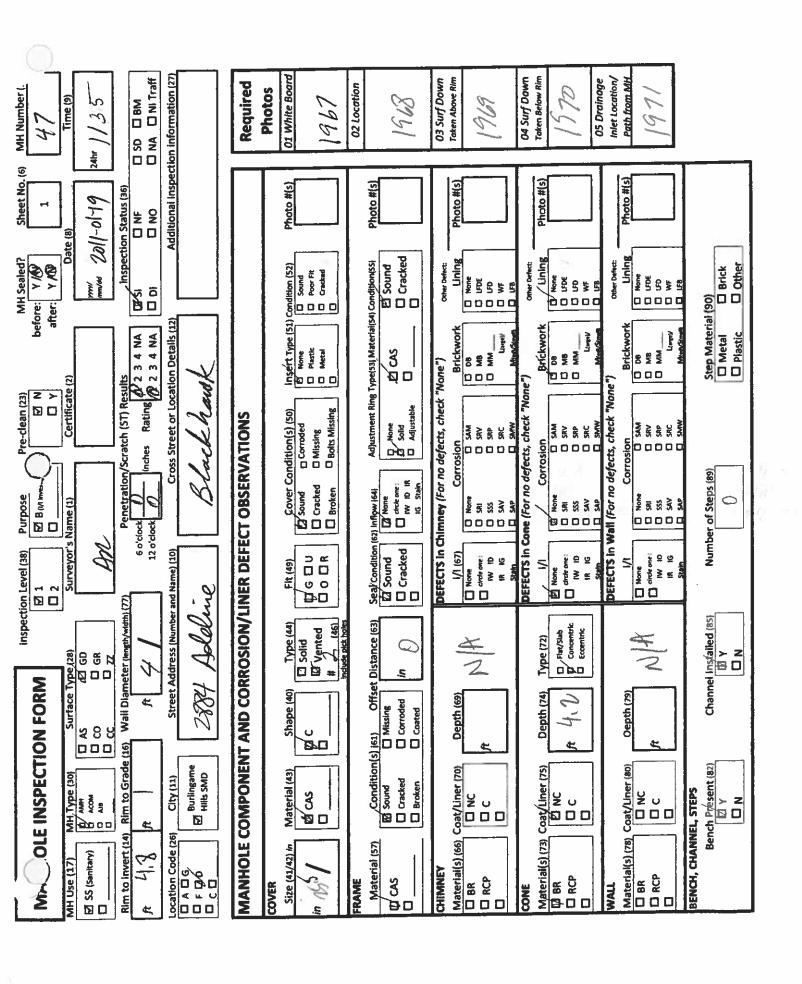
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			C (L in Orop Low) C FM (Force Main) C LB (Lateral)		2				□ Defective	□ Defective
			COV (Out Drop Upf COV, four Drop Law) COV, four Drop Upf		0 VC	Circular Circular			D Sound	D Sound
		□ out	C It Jin Drop Low) SM (Force Main) C LB (Leteral)		2 X X				☐ Defective	□ Defective
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10		ul 🗆	O OU lOut brop Up! O OL FOLt Drop Low! U (in Brop Up)		5 5 3	Circular C Rectangular C Square			punos 🗆	D Sound
			CI IL (in Drop Low) CI FM (Force Main) CI LB (Leteral)						□ Defective	□ Defective
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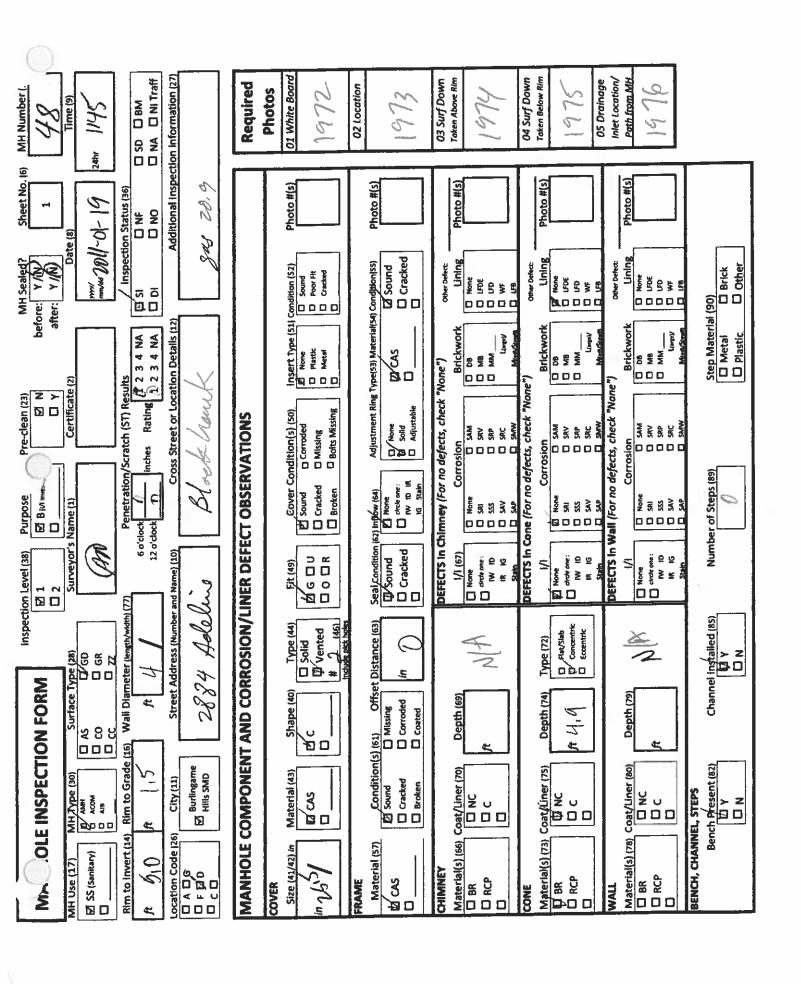
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4			Shape (96)	G Croster C Nectorgaler C Square	O Archad	D Chrosier C Rectangular C Square		Chaufar Changular Chaure	O Anched	Chroster Chroster Chroster Chroster		Crouler Categorier Squere	O Arched	Orcular Recongular	P P P	Circular Rectangular Square	D Arched
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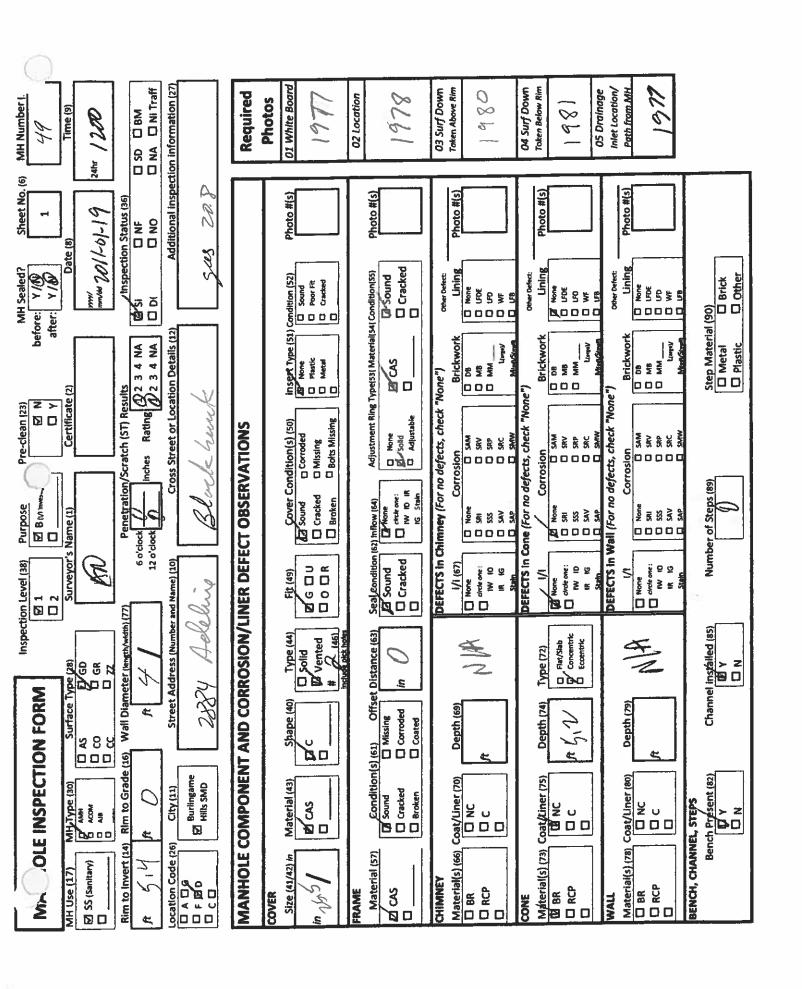
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1 nt +			Material (95)	5 5 3 t		6 5 3		223	3 2 2 3		3 2 2	5 5 3 5 5 3	000 8 §	\$ 65 E	3 2 2 3	000 5	
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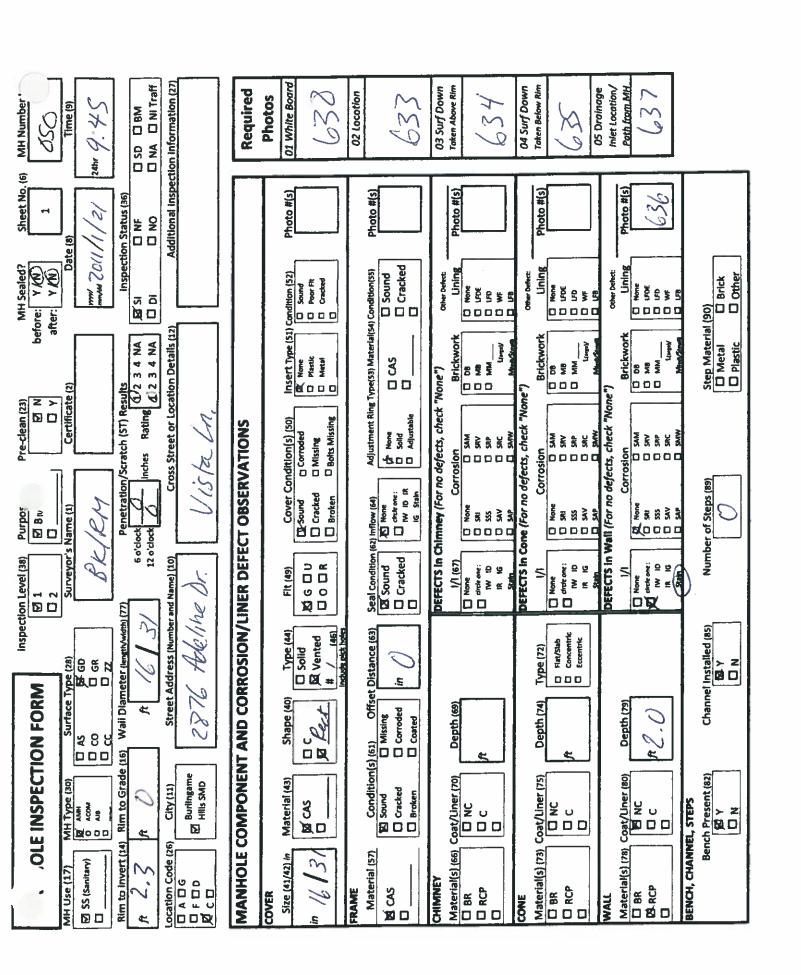
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			Condition (99)	₫ Sound	Defective	D/Sound	C) Defective	D Sound	C) Defective	D Sound	🛮 Defective	D Sound	□ Defective	D Sound	□ Defective	D Sound	ם Defective
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1 (N) }-			Material (95)	5 5 3 :	2 D D	□ 80 5× 5×3	2 X	000 \$ \$ \$	2 Z Z	\$ \$ 3 0 0 0	28	000 \$\$3	2 % 2 %	5 5 3	\$ E	2 0 0 0	2 X X
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		REQUIRED	Direction (94)	.e. 1 Cl		E E		_ =			□ out	ui 🗅	□ Out		□ out		□ Out
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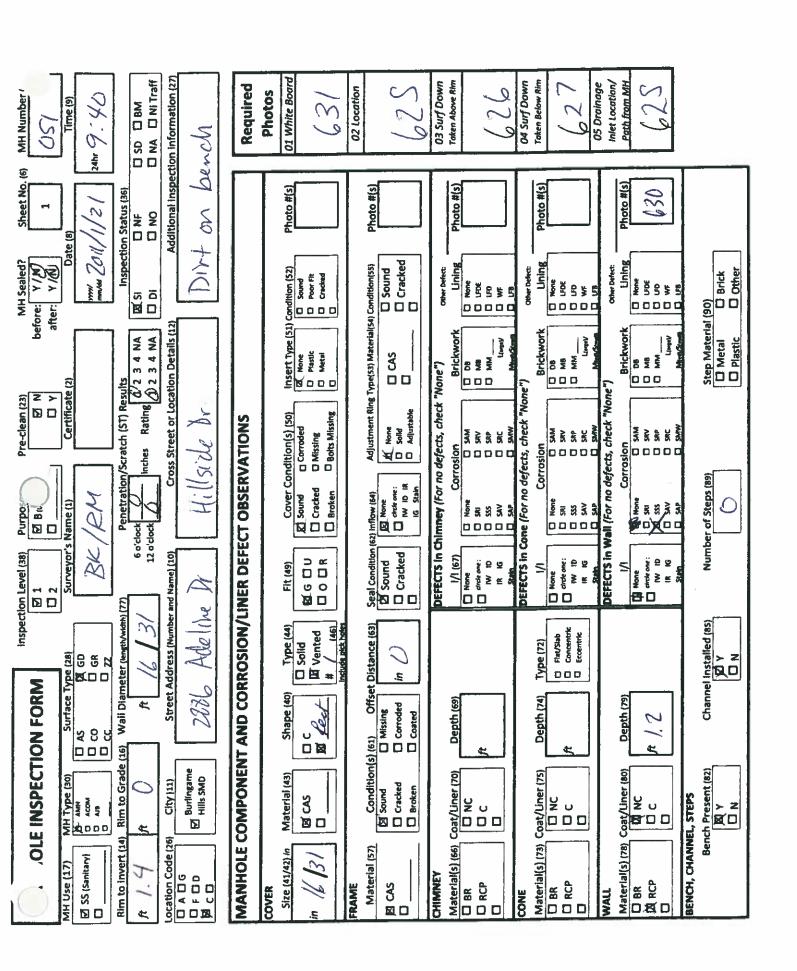
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			Shape (96)	D Grouter Square		IQ Orcular Rectangular Square	O Anthed	O Crouler O Rectangular	- Arched	O Croster O Rectangutar	Page C	O Crouter	Arched	O drouler O Rectanguler		Circular C Rectangular	
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V			Special Condition (101)	OU (Out Drop Up) OU (Out Drop Low) Ou (I (in One Up)	C FM (Force Main)	OU (Out One Dup Low) Ou (Out Dup Low) If (in Drup Low)	O IL (in Drop Low) O FM (Force Main) O LS (Leteral)	OU (Out Drop Up) Of (Out Drop Low) Of (U) (in Orap Up)	O ft. (in Drup Low) O FM (force Azara) O US (Lacera)	OU (out bros list) OU (out bros list) Ou (out bros list)	II (in Drep Low) FM (Force Main)	COU (Out they Us)	O (L in Oraș Low) O FM (Force Nain) Li (Linesa)	OU (Out Drop Up)	C (L (Th Drap Low) C FM (Force Main) C LB (Lateral)	OU (det dros Us) O U (det dros Us) O U (det dros (ses)	(L (in Dros Low) FM (Forts Main)
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1 1 x x x x			Shape (86)	Chrosian D Accomplain Square		Crouter C Rectangular Square	Z Anthed	D Square	O Arched	G Chouler C Recompular Source		Chouler Chectengular Chectengular Chectengular Chectengular	O Arched	Chouler Recongular		Circular Rectangular	
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v			Special Condition (101)	OV (Out Drup Up) OV (Out Drup Law) U (in Orap Up) U (in Orap Up)	C FM (Force Nain)	Cl OU (Out Drop Up) Cl (Out Drop Lour) Cl IV (in Drop Up)	D IL (in Dras Low) D FM (Force Main) D LB (Laterer)	OU (Out Drop Up) Ou (Out Drop Low) Of (Out Drop Low)	Cl. ft. (in Ores Low) Cl. FM (force Main) Cl. & (Leeral)	OV (Out Drap Up) OL (Out Orap Low) Uth Drap Up)	It fin these town If fin these town If fin there identy It force identy It force identy	OU (out once tight) OL (out bross Laws) Ol (it (in bross tight)	C (L (in Orde Law) C FM (Force Main) C (8 (Leteral)	OU (Out One Up) OU (Out One Up) OU (Out One Up)	O IL (in throp Low) O FM (Force Main) O US (Leteral)	OV (Out Drope Up)	C It (in Dros Low) C FM (force Main) L Exterps)
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SK	PIPE CONNECTIONS		Pipe Number (91)	-		7	7	,	4	7	~						



MH Number			Seal Condition	pt Sound	□ Defective	DK Sound	Defective	D Sound	C Defective	D Sound	c) Defective	Dunos D	T Defective	D Sound	□ Defective	punoS 🛭	☐ Defective
			Condition	D'sound	□ Defective	Sound Sound	C Defective	D Sound	D Defective	D Sound	c Defective	D Sound	C Defective	D Sound	□ Defective	D Sound	O Defective
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γ			Shape (96)	OX Orcuter O Restangular Square	D Arched	G. Circular Rectangular O Square		Chroder Checkengular Checkengular	Parched	O Oresier O Rectampaler	- Arabed	Chrosier Chrosier Chrosier Chrosier Chrosier Chrosier	O Arched	O Cheudar O Rectangular O Square	O Archaed	O Crouler O Rectargular	D C
5			Materiai (95)	553	1	5 5 3	2 2	<u>\$</u> \$ 3	2 2 0 0 0	203	2 2 2	553	2 E	5 5 3	2 k	\$ \$ \$	345
			Rim to invert (93)]	17	11 6	4.7		•								
1)~ +)			Special Condition (101)	O OU (Out Drop Up) Of (Out One Low)	O IL (in Drop Low) O FM (force Main) O LB (Lottern)	C OU lost brop up) C Of (out brop up) C If (in brop up)	It for Ome Loud FM (Force Make) Ull (Laterni)	O OU (Out One Up) Of (Out One Lew)	C) fit in Oraș Louri C) fitt (forza Main) C) Lis (Latural)	OU fout bres usi	C II. (in Orași Low) C FM (forze Make) C Lâ (Lotarel)	C) OU (out these tips) C) OI (out these tips) C) If (in these tips)	C) It (in Drop Low) C) FM (Force Main) C) LB (Letwork)	O OU (Out Drup Ue) Of, (Out Drup Lee) Of (In Drup Ue)	O ft. (in Oros Law) O FM (fears Matri) O Ul (Lebert)	C) OU (Out One Us) C) OL (Out Date Law) C) M (in Date Law)	C It Die Dras Low) C PM (Marca Males) C LB (Lanson)
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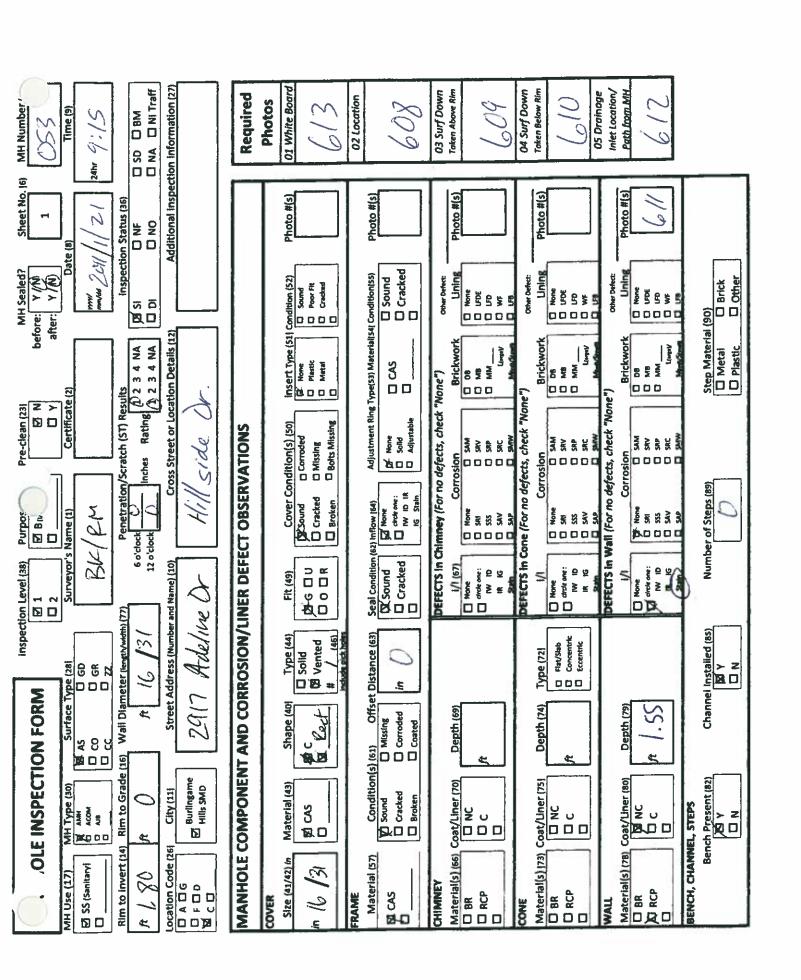


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			Condition (99)	E Sound	□ Defective	Sound	C Defective	D Sound	□ Defective	D Sound	n Defective	D Sound	□ Defective	D Sound	□ Defective	punos 🗅	O Defective
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Y			Shape (96)	Oroder Pectangular Square	D. Arthed	D. Oroder P. Nectangular D. Square	D Anched	Charler Charles	O Arched	O Greater C Rectangular C Source		C Croter C Recongular C Square		O Chruder O Rectempular O Souere	Description C	Chouler C Recongular C Souere	D Archael
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			Rim to invert (93)		/. (17 1	1-7								5.1	3 (6.22)	
7			Special Condition (101)	C OV four brep 1(e) C OV four brep 1(e) C IV (in brep 1(e))	C) FM (force Main)	OV love bee test Dit (out bree test) If its bree test	O IL th Drop Lawl O FM (Force Male) Li B Laterni)	C OV four brey Us) C OX (Ox Oxes Lew) C IV (in Oxes Us)	C) II, (in Dres Lond) C) FM (Perro Male) C) LB (Laveral)	COL four bres use COL four bres tows COL for bres use	C It (in Grop Low) C FM (force Main) C Us (Loteral)	C) If the best seal	C It (in Drop Law) C FM (Force Maln) C E (Letwork)	O OU (Out Drug Up) O OL (Out Drug Land) O TU Pr Drug Up)	O IL (in Oros Law) O FM (furce Mens) O LB (Lusard)	C) OU (Out Dress Use) C) OU (Out Dress Lowe) C) (U (in Ones Lowe)	O II, fin Oraș Lavi) O FM (Perce Mahri) O 18 (Leteral)
		REQUIRED	Direction (94)			벌		<u>=</u>					¥		□ out	u D	
	ECTIONS		Clock Position (92)	9		()	1/								445 YA		
	PIPE CONNECTIONS		Pipe Number (91)	н		7	J										

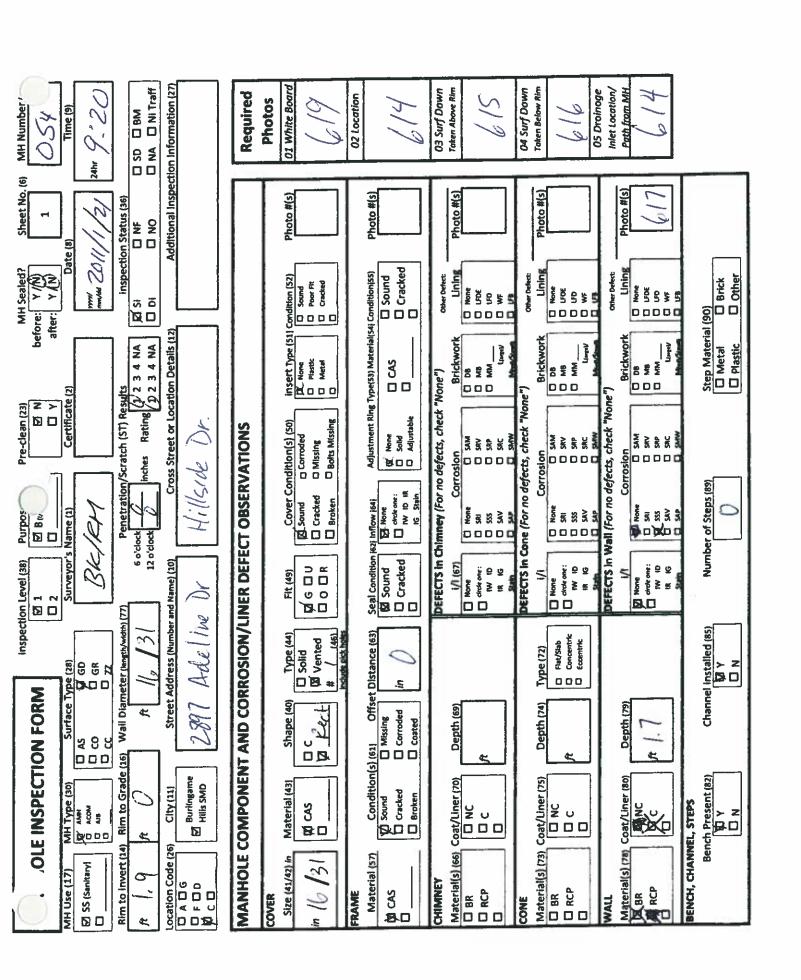
MH Number	Time (9)	W	O NA ON Traff	Additional inspection information (27)	Required	Photos 01 White Board	02 Location	6 0 S 03 Surf Down Taken Above Rim	6 U7 04 Surf Down Taken Below Rim	605	05 Dramage Inter Location/ Path from MH	
Sheet No. (6)	12/1/	inspection Status (36)	S 0	dditlonal inspec		Photo #(s)	Photo #(s)	Photo#(s)	Photo #(s)		Photo #(s)	
MH Sealed? before: Y //N after: Y //N	Date (8)	Inspection Inspection	٥			Insert Type (51) Condition (52) K. None Sound Sound Netal Cacked	S4) Condition(SS)	Cracked Cracke		00000 8 4 6 8 8 8	Other Deflect	
	ate (2)	esuits	Rating (1)2 3 4 NA	Cross Street or Location Details (12)		insert Type (5)	Adjustment Ring Type(53) Material(54) Condition(55)	k "None") Brickwork	one") Brickwork	O O O O O O O O O O O O O O O O O O O	Brickwork	Step Material (90)
Pre-clean (23)	Certificate (2)		Inches Rating	Hill side Dr.	RVATIONS	Cover Condition(s) (50) Sound □ Corroded Cracked □ Missing Broken □ Bobts Missing		<u>6 5</u>	BEFECTS in Cone (For no defects, check "None")	2	DEFECTS in Wall (For no defects, check "None") Make Corrosion Swape S	(65)
Purpo:	Surveyor's Name (1) Sk / RM	Penetratio	o'clock	Ŧ	FECT OBSE	Cover C Cound Cacked	2	Chimney (For	Cone (For no	00000 8 8 8 8	Wall (For no d	₹ Se
inspection Level (38)	Surveyor's	(2)	3/	Street Address (Number and Name) (10) 7:33 Ade (che	N/LINER DEFECT OBSERVATIONS	Fft (49)		DEFECTS in (1/67)	DEFECTS in		DEFECTS IT	70
	Surface Type (28) S	meter length	19)	et Address (Num 3 Ade (ป ซู				6	Channel Installed IB
TION FO					ENT AND C	Shape (40)	on(s) (61)	Depth (69))		0) Depth (79)	
OLE INSPECTION FORM	MH Type (30)		اي	(26) City (11) Burlingame Hills SMD	MANHOLE COMPONENT AND CORROSIO	Materiai (43)	[B.C	<u>0</u>	_ 3		WALL Material(s) (78) Coat/Uner 180) G BR G RCP G C	ANNEL, STEPS Bench Present (82)
o,	MH Use (17) S (Sanitary)	Rim to invert (14)	7		MANHOLE	COVER Size (41/42) in in /6 /3	FRAME Material (57) EACAS	CHIMNEY Material(s) (66) U BR	CONE Material(s) (73)	2 2 2	WALL Material(s) (7) O BR	BENCH, CHANNEL, STEPS Bench Presen

2 2

MH Number			Seal Condition (101)	punos o	C) Defective	punos 🗅	C Defective	punos 🖸	C Defective	punos 🖸	O Defective	punos 🖸	□ Defective	punos 🗀	C) Defective	D Sound	O Defective
			Condition (99)	D Sound	C) Defective	D Sound	C) Defective	D Sound	C) Defective	D Sound	O Defective	D Sound	□ Defective	D Sound	c) Defective	D Sound	☐ Defective
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			Shape (96)	Clouder Clectorgular Cleave		O Chouler O Rectangular O Square		C Chrudar C Rectangular C Square	Perper C	Chroster Rectangular	y Andrews	Chooler 1 Rectangular	A Popularia	O Orosiar O Nectargadar		O Creater O Rectangular O Soums	
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	>		Special Condition (101)	COUTOut Ower Use) COUTOut Ower Use) COUTOut Ower Use)	C II. (In Oros Law) C FM (Yence Nasin) C LB (Laveral)	CI OU foet one up) CI OL (det time Lee) CI IV in one up)	C FM (Force Main) C) EM (Force Main) C) Lift (Letters)	C) OU fout brey Up) C) OL fout brey Level C) I'V Pri Oray Up)	It the Orașe Land EM (Force Malek) Lis (Lancerd)	COU four bear last	Of It in Oraș Lauj O FM (Perze Maln) O 18 (Jetern)	COUNTRY CAME UND	O K (in One Law) O FM (force Maha)	O OU foet bress ties O OL foet omes towal O 1U (in ome ties)	O IL In Orop Law) O FM (Force Main) O Lill (Lateral)	OV (there then the OV (the OV)	If the Drop Lawd FM Places Make) Lit Rabberth
		REQUIRED	Direction (94)			E in		ë			0 Out		00		□ out		D Out
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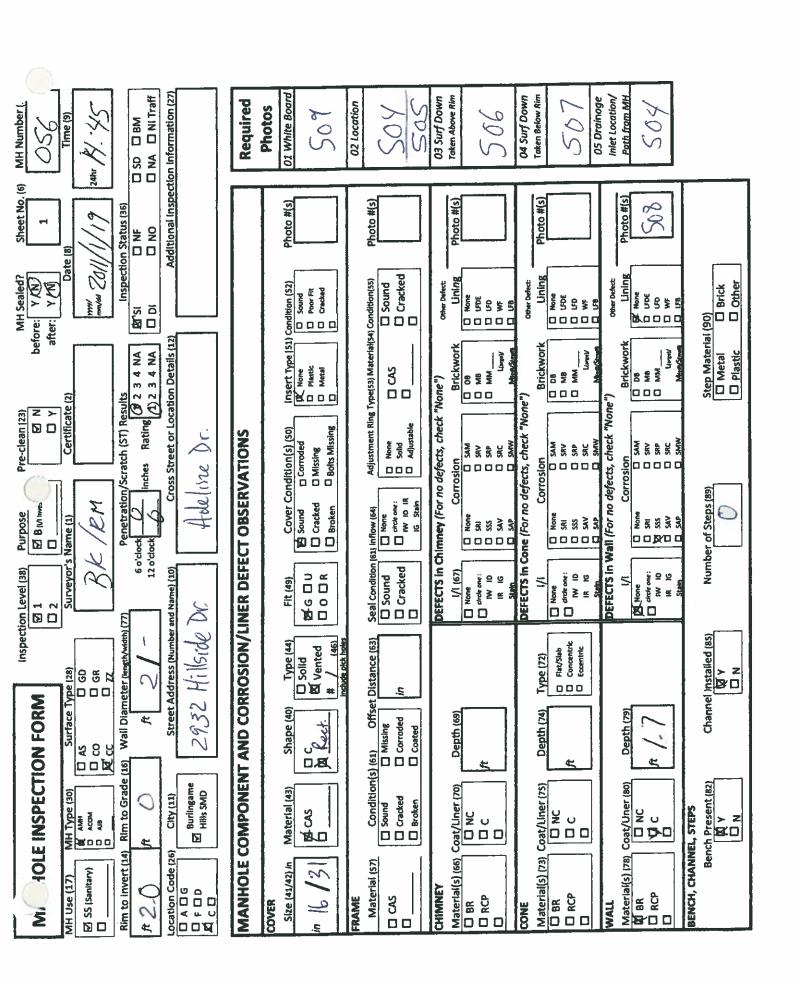
MH Number			Seal Condition (101)	Sound Defective		Sound	O Defective	D Sound	□ Defective	punos 🗈	D Defective	punos D	Defective	punos a	O Defective	D Sound	O Defective
			Condition (99)	≦ Sound □ Defective		punos:	C Defective	D Sound	O Defective	D Sound	□ Defective	D Sound	□ Defective	D Sound	□ Defective	D Sound	D Defective
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		ō	Diameter (97)	و	.		e										
				A Chalse C Recongular Square Arched	C Croster			C Crouler C Recangalar C Square		Orcular O Recongular O Source		C Crouler C Rectargular C Square	Arched	Chauler Categorier Square	O Arched	Chouler C Rectangular C Square	
	2		Material (95)	១៤១១១ ទីទីនីកន្តី		0 /1 00		500	000 8 %	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3 8	000 553		5 \$ 3	2	583	2 k
			Rim to invert (93)	``		8/	`										
7			Special Condition (101)	O OU (our bree lief) O () (but bree lief) O () (in bree lief) O () (in bree lief) O () (in bree lief)	OU (Out One Up)	OV. (Der Drop Law)	C) It (in Bray Law) C) FM (force Main) C) Listerary	C) OU (det drap Up) C) OL (duc brap Low) C) IV (in drap Up)	It (in Drop Low) PM (ferre Main) Us (Lenner)	COU (Out time Up) COU (Out time Up) COU (Out time Up) COU (Out time Up)	11. (in Drop Low) FM (fonce Main)	OU (Out Once Up) Of (Out Once Lew) If (in Once Up)	O It in Orae Low) O FM (Force Males) O UB (Lateral)	OU (out ong Ua) Ou (out ong Ua) Ou (out ong Ua)	C) II (in three Low) C) FM (Force Main) C) LB (Leteral)	O OL (the thrue Up) OL (the thrue Up)	H. (In Dress Love) FM (You'ce Make) Lib (Letterni)
		REQUIRED	Olrection (94)	10 10 15 15		드		<u>ت</u>			تا 0س	<u> </u>	ਦ :			띠	
	ECTIONS		Clock Position (92)	9		17	1										
	PIPE CONNECTIONS		Pipe Number (91)	п		2	1										



JS &			Seal Condition (101))⊈ Sound	a Defective	punos -pd	☐ Defective	D Sound	C Defective	D Sound	D Defective	D Sound	D Defective	C Sound	a Defective	D Sound	Defective
			Condition (99)	¥ Sound	□ Defective	punossy	C) Defective	© Sound	□ Defective	D Sound	D Defective	© Sound	D Defective	D Sound	□ Defective	D Sound	□ Defective
		OPTIONAL	Width (98)														
		ō	Diameter (97)	_	0	/	9		**								
			Shape (96)	G Chrolist Rectangular Square	D Arched	G Square		O Creater O Aestarquiter O Seuere		Orcular G Aectangular	Arched C	Circular		O Onculer O Rectangular Source		G Chryser Rectangular Source	O Arched
			Material (95)	5 \$ 3 c		₽\$3		553	¥ ¥		345		3 4 }	2 × 3	<u> </u>	5 5 3 0 0 0	0 0 W
2			Rim to Invert (93)		7.0		/. /								:		
			Special Condition (101)	O OV (Out Drop Law)	IL (in Drop Law) Cir FM (Farce Mate) Cir B (Leteral)	OV four brus lies Of four brus Laws If it has been test	O II, the Orose Lowel O PM (Force Make) O LB (Leteral)	C OV (our bree ue)	It (in Drop Law) FM (Farce Man)	OU four Drap Up!	O 10 (in trees top) O 11 (in trees top) O 14 (incres Main) O 18 (univers)	OV for one tel	C It (in Ores Law) C FM (Force Main)	Cl OU (our bray Up) Cl OL (our bray Law) Cl NU fin bray Up)	It (in Drop Law) FM (Percy Main) LB (Latera)	O U font Sme Unit Of font Sme Lend	H. (In Drop Low) FM (Force Male) LB (Letern)
		REQUIRED	Direction (94)	<u> </u>		- M			□ Out		Š		. ŏ		□ out		□ Out
	ECTIONS		Clock Position (92)	9		17	7										
	PIPE CONNECTIONS		Pipe Number (91)	1		6	1										

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≨ O	Time (9)	24hr 9.30		O SD O BM	Additional Inspection Information (27)		Required	Photos	01 White Board	1022	02 Location		624	03 Surf Down	Taken Above Rim	04 Surf Down	Taken Below Rim	623	05 Drainage	Path from MH	129		
Sheet No. (6)	(8)	1/2/1	\$ (36)	<u>#</u> 8	Additional Inspect				Photo #(s)			Photo #(s)			Photo #(s)		Photo #(s)			Photo #(s)			
before: Y /N after: Y /N	Ded (mm/dd COII		is 50					51) Condition (52)	D Sound C Cracked		al(54) Condition(55)	O Sound	Offer Defect	00001			00000	Other Defect:	<u>[</u>	00000		rial (90) 3 Brick Other
	Certificate (2)			Rating (22 3 4 NA	Cross Street or Location Details (12)	į			-	Metal O O Metal		Adjustment Ring Type(53) Material(54) Condition(55)	4 G G S S	eck "None")	Brickwork	"None")	Brickwork	MM C	"None")	Brickwork	MIM Livery		Step Material (90)
Pre-clea			Penetration/Scratch (ST) Results	inches Rati	Cross Street or	Isabe D.	N/LINER DEFECT OBSERVATIONS		5	d Cl Corroded ced Cl Missing en Cl Bolts Missing		•		DEFECTS in Chimney (For no defects, check "None")	Corrosion SAM	DEFECTS in Cone (For no defects, check "None")	Corrosian	1.	DEFECTS in Well (For no defects, check "None")	Corros	# 2 % % & 8		(88) ps
vel (38) Purpos	or's N	SK/RI	Penetr	6 o'clock 12 o'clock	ne) (10)	H	DEFECT OB		Fit (49) Cov			Seal Condition (62) Inflow (64)	Sound None Cracked Crackeone:	CTS in Chimney (((67)	Stan Stan ECTS in Cone (For	· S		ECTS in Well (For)]_	None Christone: CI None Christone: CI Stell No. 10 CI SSS IR IG CI SSS IR IG CI SAV		Number of Steps (89)
Inspection Level (38)			[length/width] (77)	131	Street Address (Number and Name) (10)	Achin Dr			3		include pick hows			DEFE	None Crops	DEFE	Type (72)				D D		talled (85)
N FORM	Surface Type (28)	Oq		7 4	Street Addre	2895 A	AND CORRO		Shape (40)		Madu	61) Offset Distance (63)	lissir orro		Depth (69)		Depth (74) Tvp	000		Depth (79)	A / . /		Channel Installed
OLE INSPECTION FORM	MH Type (30)		Rim to Grade (16)	0	City (11)	Burlingame Hdls SMD	OMPONENT		Material (43)		:	Condition(s) (61)	Sound Cracked C		Coat/Liner (70)		oat/Liner (75)			Coat/Liner (80)		L, STEPS	Bench Present (82)
OLE	MH Use (17) N		Rim to invert (14)	ft l	Location Code (26)	0 A 0 6	MANHOLE COMPONENT AND CORROSIO	COVED	41/42) in		FRAME	Material (57)		CHIMNEY	Material(s) (66) Co	CONE	Material(s) (73) Coat/Liner (75)	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	WALL	(87) (7B)	D Q D	BENCH, CHANNEL, STEPS	Benc

OSS OSS			Seal Condition (101)	PL Sound		punos -g	C Defective	bunos 💥	□ Defective	D Sound	C Defective	punos 🖰	O Defective	punos 🖸	C Defective	punos 🗖	D Defective
			Condition (99)	2 Sound		(M.Sound	C Defective	Desound (□ Defective	D Sound	O Defective	D Sound	O Defective	D Sound	□ Defective	D Sound	O Defective
		OPTIONAL	Width (98)														
		°	Diameter (97)	,	9	_	9.	\	9								
			Shape (96)	Chauler Chauler Chauler Chauler Chauler Chauler Chauler Chauler		Chruder Rectangular Square	D Arched	Cocuter Cocuter Cocuter Cocuter		Orodar O Recompular		Chroder Chroder Chroder Chroder Chroder	O Avched	O Chroder O Recomputer		C Chroder C Rectangular	To o
2			Material (95)	000000 \$\$\$\$\$\$		5 & 3		0 pt 0		\$ 65 000	345	000 \$\$3	- G G G	200	3 8 8	200	3
3			Rim to invert (93)	67		/ 2		n l	1, 7								
2 2			Special Condition (101)	O OU (Out One Ue) O OL (Out Drug Lour) O IU (in One Ue) O IL (in Drug Lour) O IL (in Drug Lour)	1 S (Letteral)	CO (Our Drep Law)	FM fleves Make) Li Automit	C OU (out drup Law) C OI, (but thrup Law) C I'U (in orus Up)	Cl. (in Dros Low) Cl. FM (Force Mahr) Cl. (Levern?	COUTOM comp test COUTOM comp test COUTOM comp test COUTOM comp test	If the Grops Love) RM (Forces Makin) Us Lastered)	CO OU foat own tyst CO OU foat bree Lead CO fou fin bree the	It (in Oraș Law) FM (Force Main) Us (Leteral)	O OU (Out Dray Us) O U (out Dray Us) O U (out Dray Us)	11. (In Drap Law) FM (Ferze Maln)	C OU (our one us) C Ot (our one tan) C Ot (no one tan)	N. (to Drop Low) FM (flores Main) LB (Lateral)
1		REQUIRED	Direction (94)	10 Out		E		묘			□ out	ni D			□ Out		D Out
	ECTIONS		Clock Position (92)	9		6		17)								
	PIPE CONNECTIONS		Pipe Number (91)	н		2	J	(^								



MH Number			Seal Condition (101)	M Sound	🗀 Oefective	属 Sound	☐ Defective	D Sound	a Defective	D Sound	O Defective	D Sound	□ Defective	D Sound	□ Oefective	punos 🗀	O Defective
			Condition (99)	punos,∕∆	☐ Defective	punosyd	☐ Defective	D Sound	☐ Defective	D Sound	□ Defective	D Sound	Defective	D Sound	□ Defective	D Sound	O Defective
		OPTIONAL	Width (98)														
		0	Diameter (97)	/	9	/	9										
			Shape (96)	K Crostar Rectangular Square	D Arched	D Square		C Grouter C Square	- Arched	Choular C Rectangular Course	y Acped	Circular Discussion Square		O Chroler Rectangular	Per p	Crouler Catengular Catengular	O Arched
7 2			Material (95)	다 한 2 2 3 2		875 C	36 20 00 00	000 500 800 800		\$ \$ \$	4 §	5 \$ 3	2 K		3 4 %	000 553	2 × ×
			Rim to Invert (93)		7.0	7	/- >										
			Special Condition (101)	OU (Out Orep Use)	It the Drop Low) FM (Force Main) L8 (Licered)	OU (out they last) OU (out they Last) IU (in they last)	O IL (in Drop Low) O FM (Force Main) U B (Lateral)	OV (out bray up) OV (out once law)	It (in Drup Low) FM (Force Main) US (Leteral)	() OU (Out Date Use)	It (in Oros Low) PM (Perce Main) (a) (a) (Leteral)	OU (out they light of (out they light)	It (in bros tew) FM (force Main) (2 (uneral)	OU (Out Drug Up)	I. (in Dray Law) I. (in Dray Law) FM (Force Main) Li (Locered)	OU (Oxt Once Up) OL (Oxt Drop Low) U (in Drop Up)	If (in Drap Low) PM (force Main) If (in Drap Low)
		REQUIRED	Direction (94)	ا ت		ZZ.					D Out		D Out]	, e	!	D Oot
	ECTIONS		Clock Position (92)	9		· (~	$\hat{}$:								
SK	PIPE CONNECTIONS		Pipe Number (91)	1		. (2										

Mine (9)	27.5/ rep	ON ON Traff ion Information (27)	dram over MH	Photos 01 White Board 82.8	92 to cation 826	03 Surf Down Taken Above Rim 829	04 Surf Down Taken Below Rim \$\int 23\$ 05 Drainage	miet Location/ Path from MH 826	
MH Sealed? Sheet No. (6) re: v / (6) Date (9)	Inspection Status (36)	Additional inspect	AP2" Puc pad da	Photo #(s) Sound Poor Fit Crecked	Condition(55) Photo #{5} M-Sound Cracked	other beface Uning Photo #(s) Uning Photo #(s) Uning Photo #(s) Uning Photo #(s)	Uning Photo #(s) None Road Uning Photo #(s) None Road Uning Photo #(s)	Other Defect Uning Photo #(s) O hone O upe O up O up] Brick
Pre-Clean (23) MH S N Before: O Y after: Certificate (2)	Penetration/Scratch (ST) Results	믊	١.	(\$) (\$0) insert Type (\$1) Condition (\$2) Aded Residual Designation of the Residual R	nt Ring Type(SS) Material(S4)	skwork trees	Pots	Brickwork D 06 D M6 D MM Linesty Meaning	Step Material (90) Zi Metai Dirick Dilastic Other
Purpose © Bion 's Name (1)	SK/PM Penetration/Scrate	o'clock O	LINER DEFECT OBSERVATIONS	Fit (49) Cover Condition(5) (50)	Seal Condition (62) inflow [64] Of Sound Of the original	DEFECTS in Chimney (For no defects, check "None")	no defect	DEFECTS in Wall (For no defects, check "None") None	Number of Steps (89)
inspection [2]	de -	Street Address (Number and Name) (10)	ND CORROSION/LINE	Shape (40) Type (44) Fi	fiset Distance (63)		Depth (74) Type (72) Procentify Concentre Concentre	Depth (73)	Channel installed (8s) (D-Y D N
NH Type (30)	(14) Rim to Grade (16)	Clty (11)		(1/2) Material (43) Shar	Condition(s) (61) Offs 12 Sound Missing Cracked Corroded Broken Coated	(56) Coat/Liner (70) Depth (69)	Material(s) (73) Coat/Liner (75) Dept	Coat/Uner (80)	BENCH, CHANNEL, STEPS Bench Present (82) 日本・日本・日本・日本・日本・日本・日本・日本・日本・日本・日本・日本・日本・日
O, OHW USE (17)	Rim to invert (14)	Location Code (26)	DANHOI O	Size (41/42) in 25/1/2	FRAME Material (57) FS CAS	CHIMNEY Material(s) (66) C RCP	Material(s) (Material(s) (Mater	WALL Material(s) (78) 0 8CP	BENCH, CH

MH Number			Seal Condition (101)	Sound	C Oefective	CK Sound	Defective	D Sound	D Defective	punos 🛭	O Defective	D Sound	□ Defective	Duno, D		Describe	D Sound	☐ Defective
			Condition (99)	g/Sound	□ Defective	punos	□ Defective	D Sound	O Defective	D Sound	Defective	D Sound	□ Defective	D Sound	Pefective	Descent	D Sound	□ Defective
		OPTIONAL	Width (98) Inches														Ш	
			Diameter (97) inches	/	0	<i>T</i> 7	- 1											
2-)			Shape (96)	Couler Course Course	O Archad	D Square	Page D	Oroder O Recongular O Square		O Creater O Recomputer		O Creater O Rectangular	Arched	O Chauter O Rectangular	Square O Archad		C) Checker C) Rectangular	D Arched
			Material (95)	□ ¥ □		□ 3 4□	2 ¥ ¥	5 \$ 3	2 ¥	\$ 5 5 D D D	28		3 2 2	\$ \$ 0	3 4 5		\$ \$ \$	2 Z Z
			Rim to invert (93)	C	3		۲.7		×									
	>		Special Condition (101)	COU (our bine ber) COL (our bine ber) COL (our bine ber)	II (in Drop Low) FM (force Main) Lib (seerof)	OV fore bree ust Ot (our bree ten) If (in bree us)	O II (In Oraș Laur) O FM (Force Main) O LB (Laterati	Clotton brogues	C FM (Parce Make) C FM (Parce Make)	C OU (out these us) C Ot (the three test) C I'd (in the this)	C ft. (in Drop Low) C FM (force Main) C Lis (Loteral)	OV (Out Drop Up) OV (Out Drop Law) Of (Out Drop Law)	O IL (In Drop Low) O PM (Twee Main)	O OU (Out Dres Les)	O ft/ (in Drop Up)	C US (Lateral)	COURT Des Les	O II, the Drop Lawd O FM (Force Meln) O Lift (Letwork)
2		REQUIRED	Direction (94)	<u>e</u>		7 7			D Out		5 0		, o		<u>.</u> 5			□ Out
	CTIONS		Clock Position (92)	9		11	2	=										
S	PIPE CONNECTIONS		Pipe Number [91)	H		C	1											

MH Number (7tme (9)		O SO O BM	Additional inspection information (27)	Required	Photos	SS 9	02 Location	HSS	03 Surf Down Taken Above Rim	SSS	04 Surf Down	Taken Below Rim	955	05 Drainage Inlet Location/	S(00		
Sheet No. (6)	1/20	inspection Status (36)	N 0	Additional inspec					Photo #(s)	Olean Mar	SS7	100	Photo #(s)	888		Photo #(s)		
before: Y/N/ after: Y/N	muse 2	Inspect	<u> </u>				insert type (3.1) condition (3.2) Phastic Desire Door it and the condition (3.2) Metal Cacked		I(s4) Condition(s5)	ğ		Other Defect:		000	Other Defect:	00000		Step Material (90) (St. Metal
	Certificate (2)	Results	Rating 0/2 3 4 NA	Cross Street or Location Details (12)	100 100 100 100 100 100 100 100 100 100	1			Adjustment Ring Type(53) Material(54) Condition(55) None DF.CAS EF.Sound Adjustable Cracked	ck "None") M. S	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	"None") M. S.	Brickwork	MM C	None")	Brickwork		Step Mater
Pre-clean (23)		Penetration/Scratch (ST) Results	inches Rati	Cross Street or	ERVATIONS		controlled (September 1997) controlled (September 1997) controlled (September 1997)			or no defects, che	NAM DE DE DE DE SAN DE	o defects, check	Corros	28 88 88 10 0 0 1	o defects, check	Corrosion 1 sam 2 sav 1 sav		\$ (89)
Purpos	BW/RM	Penetr	5 o'clock	H	ON/LINER DEFECT OBSERVATIONS		200		Seal Condition (szi Inflow (ssi	DEFECTS in Chimney (For no defects, check "None") H	None directions:	DEFECTS in Cone (For no defects, check "None") A	7	inde one:	DEFECTS in Wall (For no defects, check "None")	in is in its in		Number of Steps (89)
Inspection Level (38)		ength/width) (77)		SS (Number and Name) (10)	SION/LINER		Solid Selection (Selection) (S			DEFE	None drees	DEFE	7	Concentric NV 10 Eccentric	1	Mone drote one:		alled (85)
N FORM	Surface Type [28] As	_	<i>h</i> #	Street Address	AND CORRO	Characton 1	□ 3 #]		(61) Offset Distance (63) Missing in Corroded in Coated	Denth (ca)	#1.25		Depth (74) Type	1 S 7 %		Depth (79)		Channel installed (85) 접 Y
OLE INSPECTION FORM	MH Type (30) Q ANH O ACOM D AND	Rim to Grade (16)	# (j)	City (11) Burlingame WHIIS SMD	MPONENT.	Material (43)	88.0		Condition(s) (61) Off D Sound		*		L			D NC #	, STEPS	Bench Present (82)
OLE	MH Use (17) N	invert (14)	R 4.0	Location Code (26)	MANHOLE COMPONENT AND CORROSI	COVER			Material (57)	CHIMNEY Materialish (66) Co	W BR PO C C C C C C C C C C C C C C C C C C	CONE	Material(s) (73) Co		WALL	Material(s) (78) Coat/Liner (80) BR	BENCH, CHANNEL, STEPS	Bench

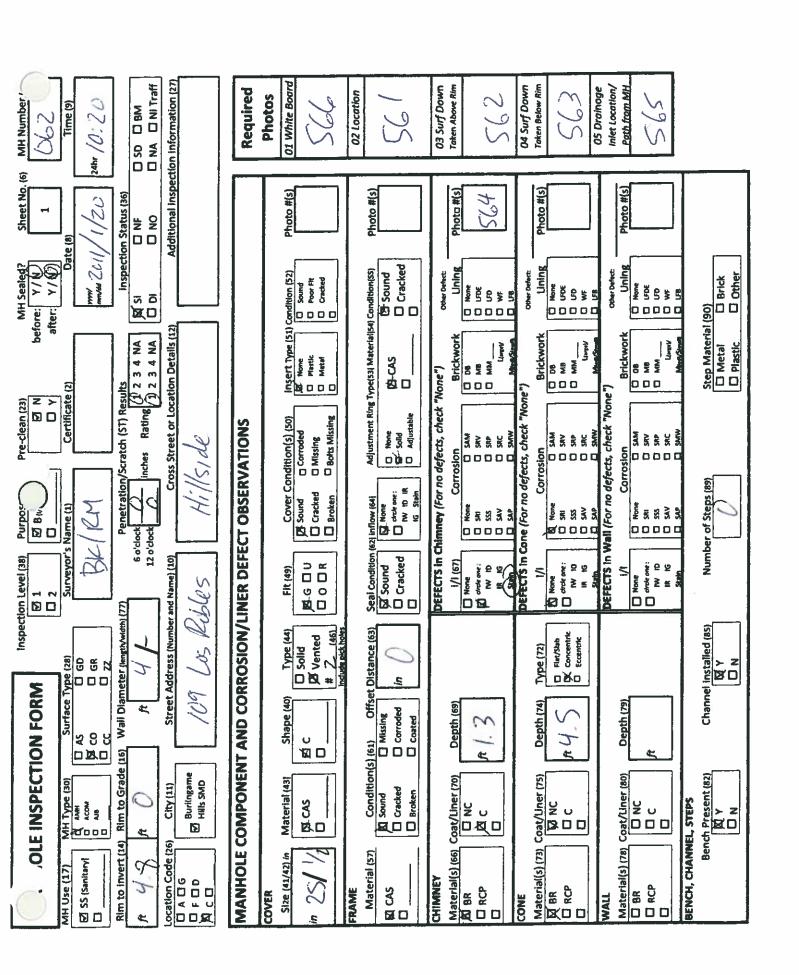
= 2

RSO HM			Seal Condition (101)	B Sound	O Defective	punos g	Defective	M. Sound	a Defective	Cy Sound	□ Defective	D Sound	O Defective	punos D	O Defective	D Sound	□ Defective
			Condition (99)	B Sound	□ Defective	K'Sound	O Defective	punos p	O Defective	(Sound	□ Defective	D Sound	D Defective	D Sound	☐ Defective	D Sound	□ Defective
		OPTIONAL	Width (98)														
		°	Diameter (97)	(E	٤	/) = C		e	/	و						
			Shape (96)	G Chouter C Rectangular C Square	D CO	S Orodor Rectangular Square		D Chroder D Rectorgater C Square	- Arched	O Chroder O Rectampular	C C	C Chroder D Rectengular		O Checkengular	Paragram D D D D D D D D D D D D D D D D D D D	O Chodar O Recampdar Course	D Arched
			Material (95)	0000 553	, <u>, , , , , , , , , , , , , , , , , , </u>	0.80 5	2 ¥ ¥	8 & &	200 7	0,0-0 5 \$ 3	3 3		3 4 5	<u>5</u> 5	3 4 <u>5</u>	\$ \$ \$	1000 185
73			Rim to invert (93)	6 h	()	1110	7.6>	611	7.0	// /	0						
Cr 7			Special Condition (101)	C OV (Out they be) C OV (Out they be) C IV in they be)	C FM (Form Male)	C OV four brus us) C OL four brus Law) C IV fin brus Law)	C II, fin Once Low! C PM (Force Make) C Lib (Leteral)	COU (our broy Ue) COL (our broy Law) COL (in broy Law)	C Pt the Drap Law) C FM (Force Make) C Leteral	CI OU (out one les CI Ot (out one tone) CI IV (in one les)	C If, the Drop Low) C FM (Percy Majes) C LB (Lateral)	OU (Out Drup Les)	C) It in Organian	C OU (Out Drug List)	C It in Desp tand C It in Desp tand C FM (Percy Asset) C LB (Lesern)	COU (Cost Charp Up) COL (Cost Charp Law) COL (Cost Charp Law)	It (in Ores Lew) FM (Ferts Main) LB (Leteral)
70		REQUIRED	Direction (94)	: O E		<u>=</u>		. <u></u> 723.		e E			50		, 5 0 1 D	1	Out
	ECTIONS		Clock Position (92)	ص		0)	>	//	//	0	7						
	PIPE CONNECTIONS		Pipe Number (91)	Ħ		C	7	7		1	5-						

Main S

MH Number (.	Time (9)	O SO O BM	n information (27)	Required	Photos 01 White Board SO3	02 Lacation	03 Surf Down Taken Above Rim	04 Surf Down Token Below Rim	US Drainage inlet Location/ Path from MH 499	
Sheet No. (6)	(8) ///9 24hr	inspection Status (36)	Additional inspection information (27)		Photo #[s]	Photo #(s)	Photo#(s)	Photo #(s)	Photo #(s)	
MH Sealed? before: Y (A) after: Y (A)	Date (8)	is o			Insert Type (51) Condition (52) R. None	iai(54) Condition(55) County Cracked Cracked	Other Defect: Lining Conservation Conservati	00000	8 00000	erial (90)
	Certificate (2)	th (ST) Results (1) 2 3 4 NA Rating (1) 2 3 4 NA	Cross Street or Location Details (12)	S		Adjustment Ring Type(53) Material(54) Condition(55) Make CAS Cound Solid CAS Cracket Adjustable Cracket	theck "None") Brickwork D b8 D MB Lorey Mendeum		k "None") Brickwork 0 06 0 08 0 MM tensi MacKie	Step Material (90) Metal Plastic
و ا		Penetration/Scratch (ST) Results	Cross Street	BSERVATION	Cover Condition(s) (50) (1) Sound © Corroded (2) Cracked © Missing (3) Broken © Bots Missing	≝ ∈	ey (For no defects, c Corrosion None SAM SAI SAV SSS SRP SAV SRP SAW	For no defects, check Corrosion None SAM SSS SAV SSS SAV	Corro	Steps (89)
Inspection Level (38) Purpose	Surveyor's Name (1) BK/RM	6 o'clos 12 o'clos		N/LINER DEFECT OBSERVATIONS	Fit (49) Fit (0) Fit (Seal Condition (62) inflow (64) Sound Gree on Mr. 10 In No. 10 In State on		Cone	DEFECTS In Wall (F	Number of Steps (89)
	Type (28)	Wall Diameter (kength/width) (77) $R = 2 \int -$	Street Address (Number and Name) (10)	RROSION/LIP	Type (44) Solid Solid Wented # (46)			Type (72) Hat/Stab Concentric Eccentric		Channel Installed (85)
NOIT	Surface Type (28) D AS	i	2	MANHOLE COMPONENT AND CORROSIOI	Shape (40)	on(s) (61) Missir	0) Depth (69)	5) Depth (74)	0) Depth (79)	
OLE INSPEC	MH Type (30)	t (14) Rim to Grade (16)	e i 26) City (11) G Burlingame Hills SMD	E COMPON	m Material (43)	D -00	(66) Coat/Uner (70)	(73) Coat/Uner (75)	WALL Material(s) (78) Coat/Uner (80) ID BR KR NCP ID C ID C ID C	Bench Present (82)
¥ €	MH Use (17)	Rim to invert (14) ft 8	Location Code (26)	MANHOL	COVER Size (41/42) in in \begin{cases} \langle \frac{7}{5} \end{cases}	FRAME Material (57) GL CAS	CHIMNEY Material(S) (66) D BR D RCP	CONE Material(s) (73) D BR D RCP	WALL Material(s) (78)	

				-								Γ.	. <u></u>	T		<u> </u>		_
MH Number			Seal Condition (101)	Sound Defective		적 Sound			□ Defective	D Sound	D Defective	punos 🛭	□ Defective	punos 🗀	C Defective	7	punos }	Defective
			Condition (99)	阿 Sound ロ Defective		A Sound		punos 🗆	☐ Defective	D Sound	C Defective	D Sound	□ Defective	D Sound	□ Defective		punos 1	☐ Defective
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290 MH Number Seal Condition Defective O Defective □ Defective □ Defective □ Defective (101) O Defective □ Defective Dr. Sound D Sound D Sound Dunos 2 D Sound Dunos M Sound 0 Condition O Defective □ Defective □ Defective □ Defective □ Defective Defective □ Defective D Sound 66 M Sound B Sound **Excurd** D Sound D Sound D Sound Width (98) OPTIONAL Diameter (97) 0 0 0 Rectangular Square Arthed Chauter Rectampater Square Arched Chouler Rectangular Souers Arched Rectangular Square Archad Chooler Rectangular Square Arched Rectangular Square Arched Rectangular Square Arched Shape (36) (36) Orcular 00000 0000 000 0000 00000 Material 53345 | ចចចចច ភូទ្ធនុ¥ | 53345 5 5 8 5 X \$ \$ 3 × \$ \$ \$ 3 a X (98) 552345 54245 00000 00000 000000 000000 Rim to invert (93) Condition (101)

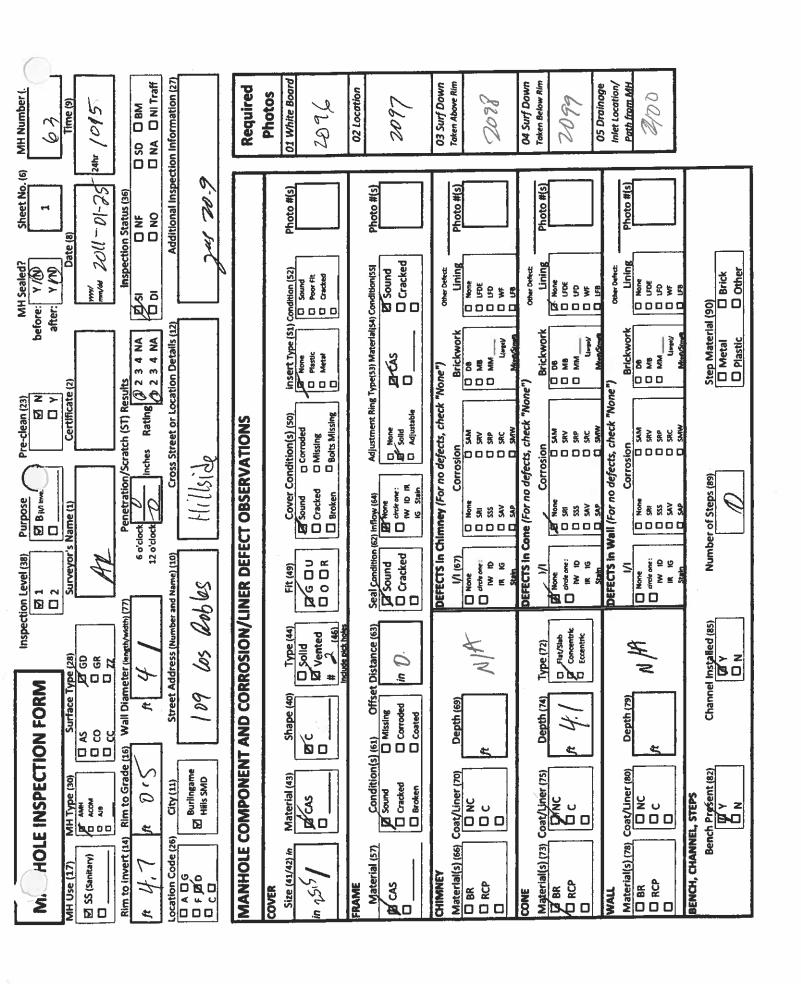
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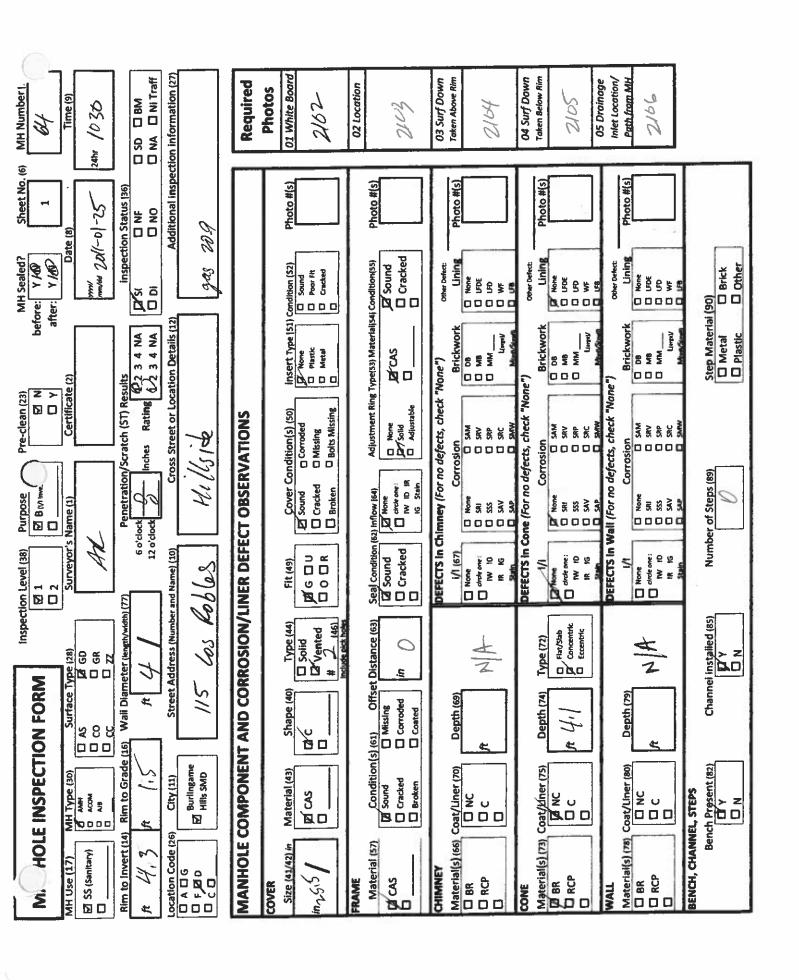
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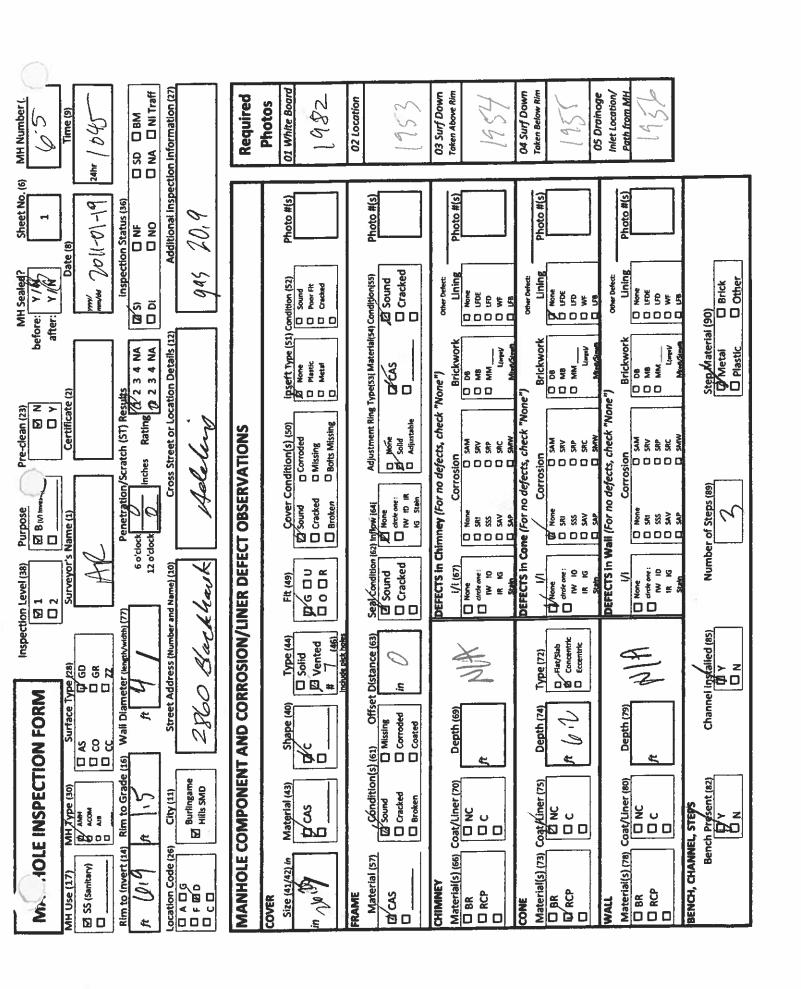
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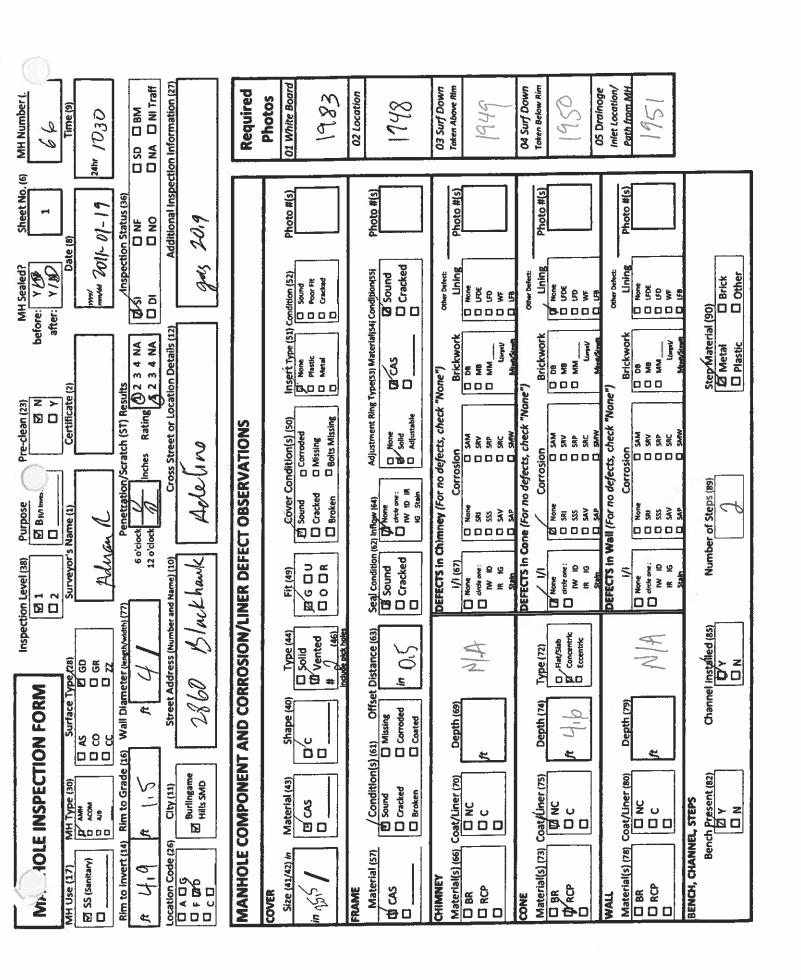
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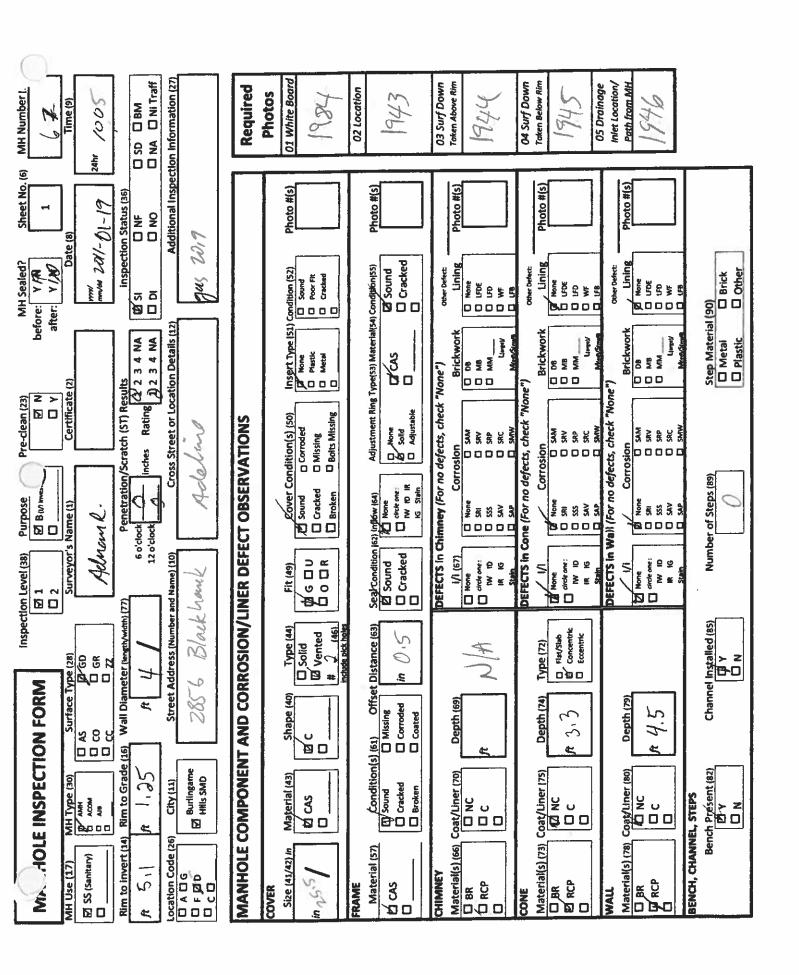
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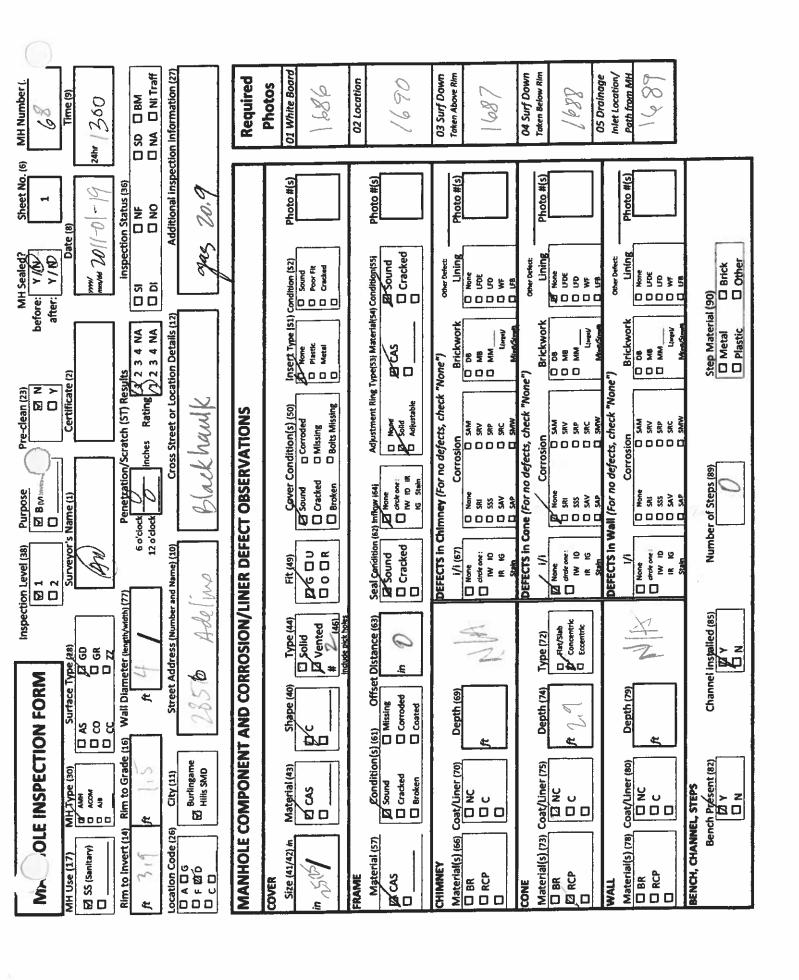


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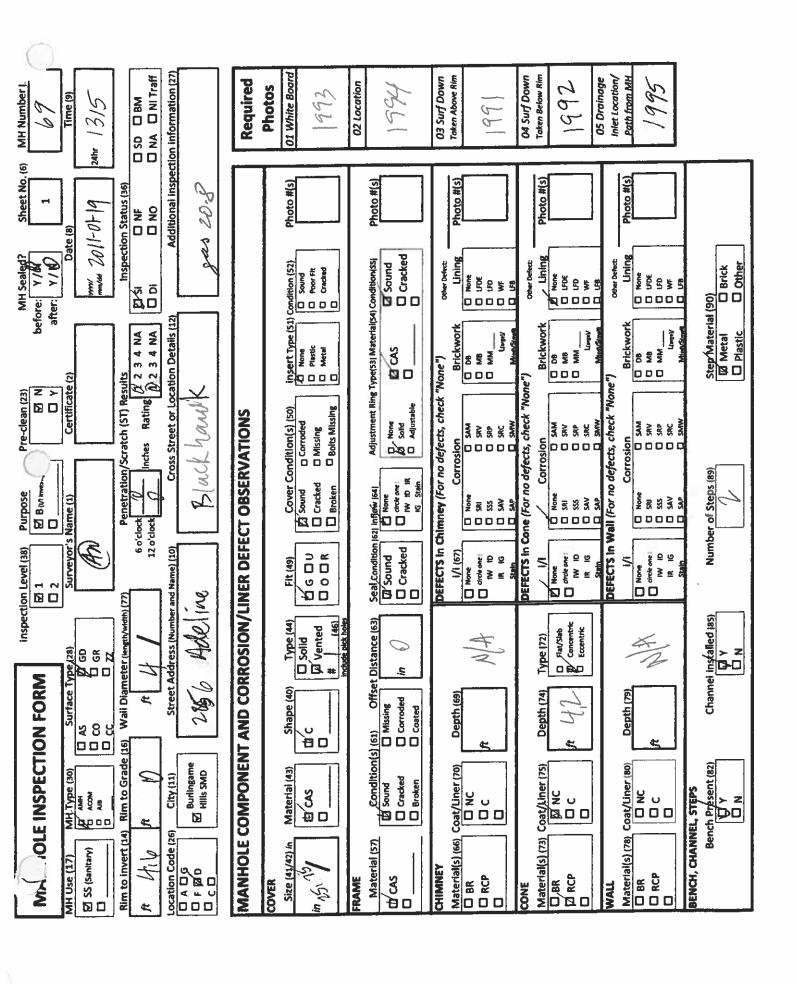


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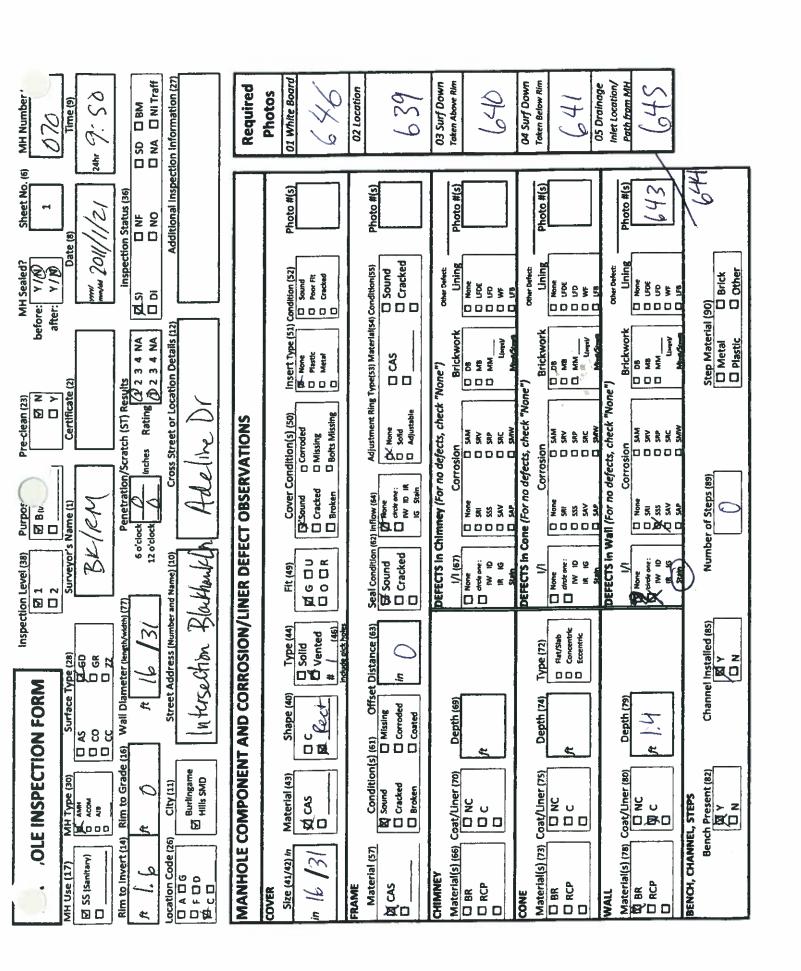
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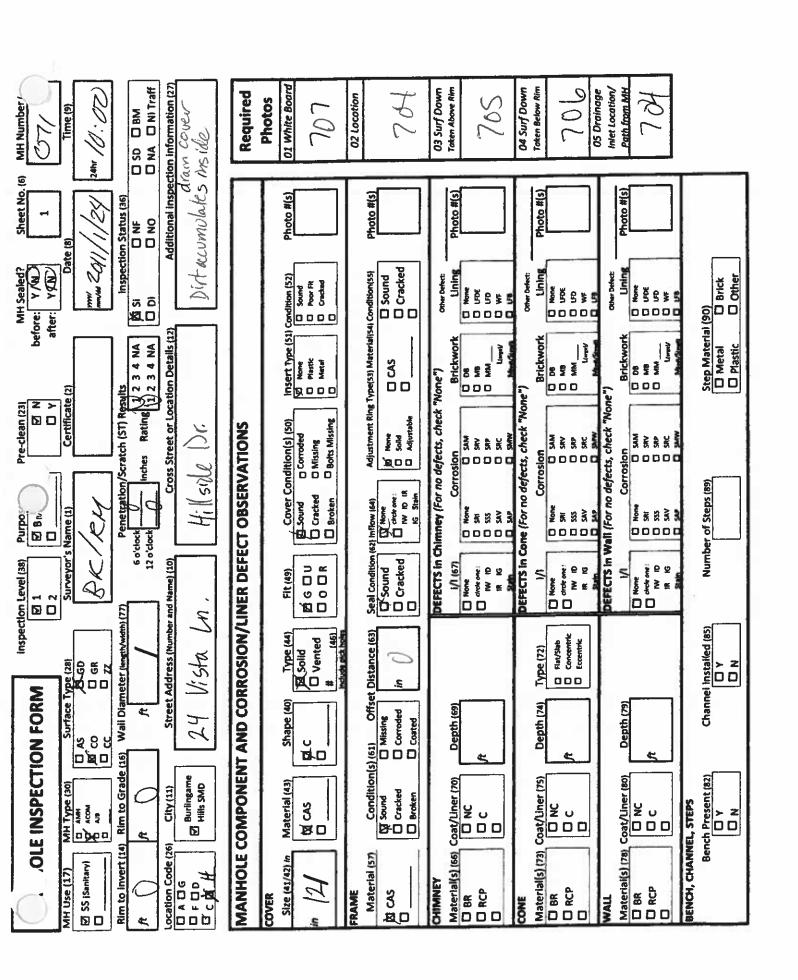
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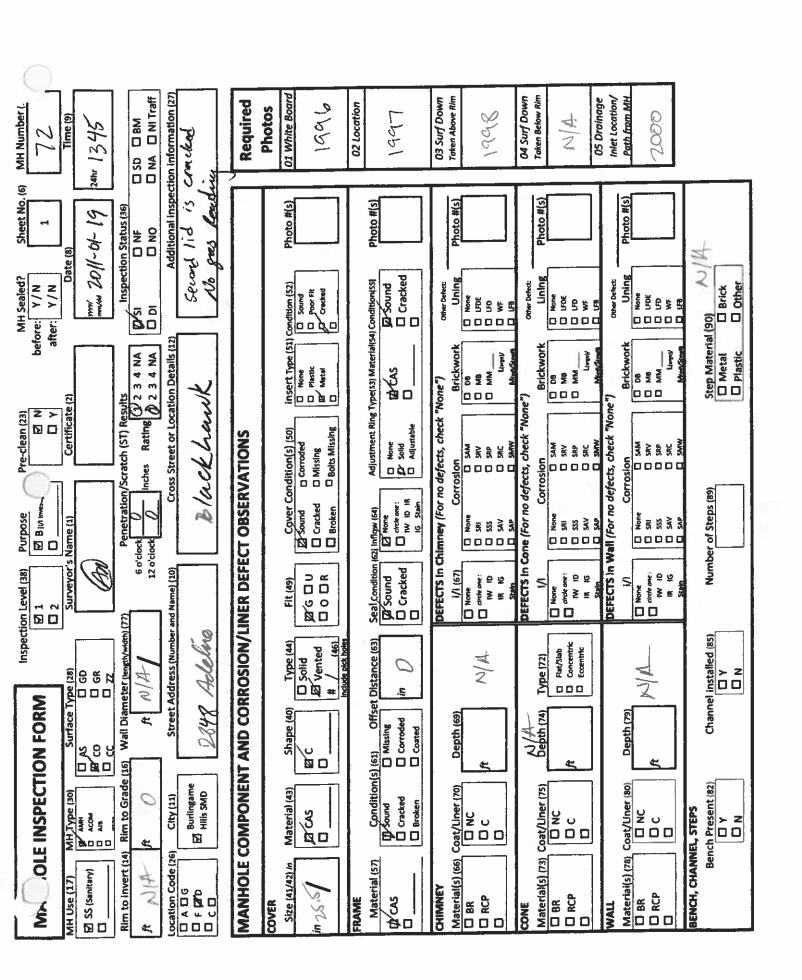


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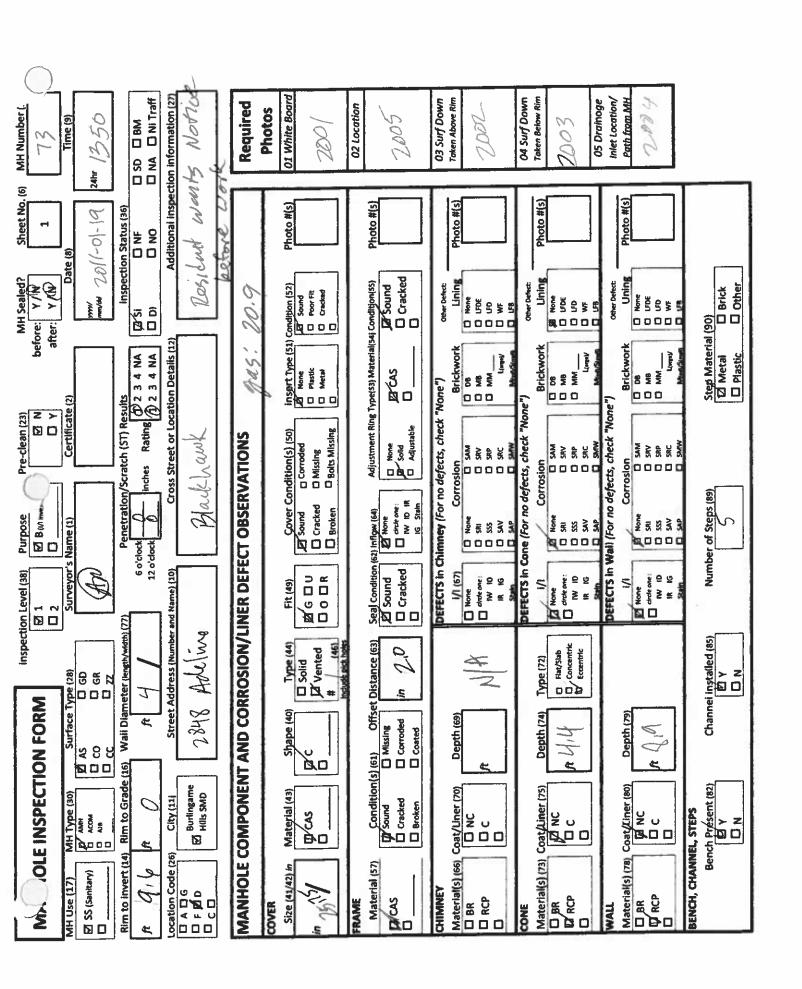


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1 2 -			Special Condition (101)	CI OU (our bree taw) CI OL (our bree taw) CI IU (in bree tay)	C IL IN Once Low! SM (force Main)	CI Off (out they take) CI (out they take) CI (it the they take)	It the Oraș Louri FM (Force Main) El Referent)	C) OU (Out One Up) C) OL (Out One Up) C) IV (in Doe Up)	It (in Drep Levr) FM (force Mah) Li (Loterni)	COUNTY CONTRACTOR CONT	O It in the towl O FM (force Make) O Lit (caterd)	C) OU fost one but C) OU fost bres Level C) IV (in one bs)	O ft. (in Drap Land) O FM (Perce Mahr) O Life (Lancers)	COURT CONTRACTOR (See)	C IV in Deer Land C IV in Deer Land C PM (Peres Mater) C US (Leaven)	COUNTRY DATE OF THE COUNTRY OF THE C	It (in Drup Low) RM (force Analot) U.S (Laterari)
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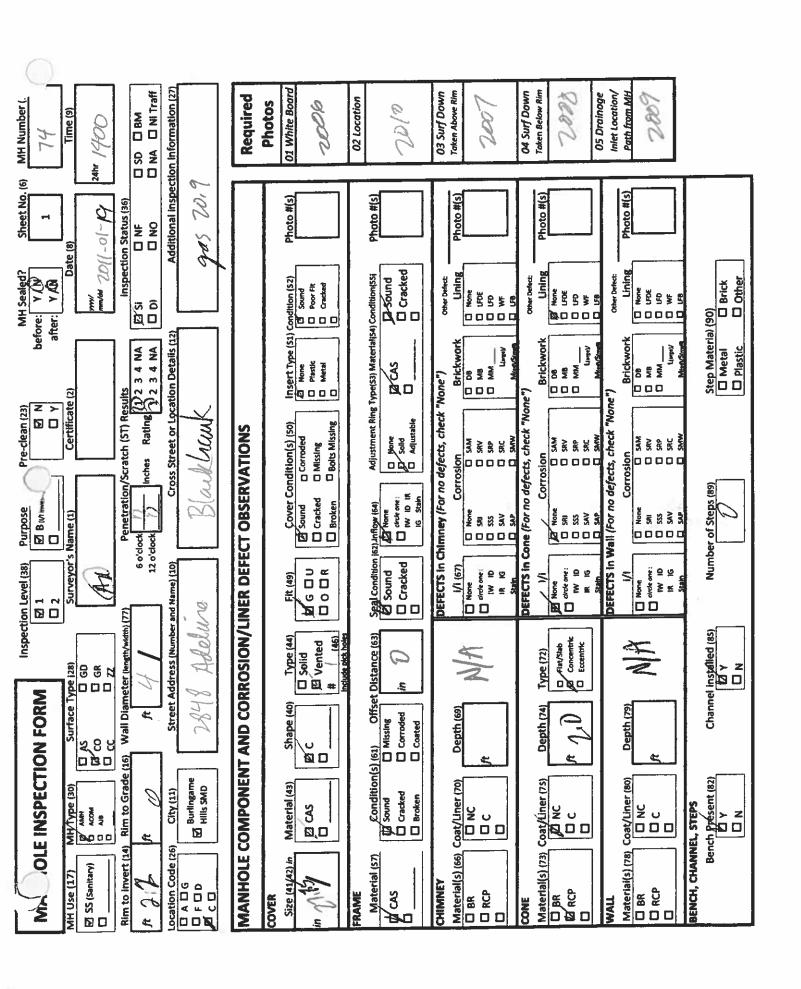




MH Number Seal Condition □ Defective (101)Defective □ Defective □ Defective Defective □ Defective □ Defective D Sound punos a punos o D Sound Dunos D D Sound D Sound Condition O Defective □ Defective □ Defective □ Defective □ Defective □ Defective □ Defective Dound D D Sound D Sound Dunos D D Sound D Sound D Sound Width (98) inches OPTIONAL Diameter (97) inches Chroslar Rectangular Square Archad Orouter Rectangular Chrustar C Nectorgular C Square Arched Rectangular Square Arched Chroden Rectangular Square Anthed Orcedor Rectampalar Square Arched Circular Rectangular Square Square Shape 00000 00000 00000 00000 Material 28285 23325 95 多数别点装 \$ \$ 3 3 4 5 有多品品类 38883 00000 000000 000000 00000 000000 000000 00000 Rim to invert <u>8</u> Condition (101) Lib (Leberra)
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 I' (In Orse Lest)
 Referes Maha) C 18 (Labera)
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C OL (Out Dres Low)
C IV (in Dres Us)
C It (in Gres Low)
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C OL (One Deep Law) OV (Out Drap Up) O IL (In Drop Low) O IL In Oraș Low) IU the Drope Up [Special CHIV (In Drop Up) REQUIRED Direction = 0 = 0 ם ᅙᇎ ة ع 0 و ج 0 ت و ق ق 디디 8 Pipe Number | Clock Position PIPE CONNECTIONS (35) 9 93 -



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MH Number			Seal Condition (101)	E Sound	C Defective	Dunos E	Defective	D Sound	□ Defective	D Sound	C) Defective	D Sound	G Defective	Dunos 🗅	O Defective	D Sound	□ Defective
			Condition (991	D Sound	ti Defective	punos p	C Defective	D Sound	C Defective	□ Sound	O Defective	ם Sound	O Defective	D Sound	O Defective	D Sound	C) Defective
		OPTIONAL	Width (98)														
18			Diameter (97)	R	2	8											
No. of the second secon			Shape (96)	Ø Oroslar O Rectangular O Square		D Square		O Granker G Square	O Archaed	Orcufar O Rectangular O Sectangular	O Arched	Crouter Rectangular Square	O Arched	Orouter O Rectangular O Square		Chouler C Rectangular C Square	
1			Material (95)	10 M 10 1	2 C C C C C C C C C C C C C C C C C C C	5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		92 D		62 X	3 2 3 3	000 5 % 8	2 × ×	000 558		000 \$\$\$	
			Rim to Invert 1931	2.0	11.7	4 %	2.0										
N.			Special Condition (101)	C OU (ok brog law) C OL (ok brog law) C (U (in brog law)	Cliffin Oreș Low) Cliffin (force Main) Cliffic (Lateural)	Cl Ol (Out Once Les) Cl Ol (Out Once Les) Cl (U (in Once Les)	C PM (Force Main) C UI (Lebrari)	CON (Out they Up) CON (Out they Low) CON (Out they Low)	O 11. (in Oros Low) O FM (Porce Main) O LB (Leteral)	C Ot (out bres test)	It (in Orop Lew) FM (Form Main) UB (Latered)	C OL (Out Drep Up) C OL (Out Drep Up) C I'U fin Drep Up)	It (in the tent) PM (Force Main) Ut (Leveral)	COV (Out Drap Up) COV (Out Drap Lew) (I) (In Drap Up)	It (in Drop Low) FM (Force Main) Us (Leteral)	C OU (Ox One up) C OL (Ox One up) C IU (n Oxe Oxe up)	It (fin Dross town) FM (Force Main) Us (Leteral)
		REQUIRED	Direction (94)	<u>=</u>		- E		5		- C	□ out	E E	or D		D 04	e 0	D Out
	ECTIONS		Clock Position (92)	ø		. (7										
N N N N N N N N N N N N N N N N N N N	PIPE CONNECTIONS		Pipe Number (91)	H		<i>(</i> -	1										



MH Number Seal Condition □ Defective □ Defective (101)□ Defective □ Defective □ Defective □ Defective a Defective D Sound D Sound D Sound Sound punos D Sound D Sound Condition Defective ☐ Defective ☐ Defective C Defective Defective Defective C Defective Sound Sound D Sound D Sound Sound D Sound D Sound Width (98) inches OPTIONAL Diameter (97) 00 8 Orouter Rectangular Square Arched Grouter Rectangular G Chroster
C Nectorgular
C Square
C Arched Groater Rectangular Square Arched Orcular Rectangular Circular Rectangular Square Arched Chrolier Rectangular Square Arched Shape Square Square 8 0000 00000 00000 0000 00000 000 Material 5 8 3 4 % 2 2 3 2 5 5 ត្_{ទំនួក}ន្ត 5 5 3 4 5 5 5 3 4 5 5 5 8 4 X \$ \$ 8 4 X 5 3 3 5 X (98) 000000 00000 000000 000000 Rim to invert (93) Condition (101) 18 (Leteral)
10 OU (Ose Bread)
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 Out (Out Days Up)
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OV (in Drop Low) 18 (Lessent)
 OU (Out Ones Up)
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O It in Drop Low)
O FM (Force Man) C IL (in Oraș Law) Special O fU (in Oraș Us) U (In Dress Up) REQUIRED Direction = 5 □ □ £ 5 □ □ 를 다 다 i out 다 다 다 o = 9 Clock Position PIPE CONNECTIONS (35) 0 9 Pipe Number 4 (91) 7

				1						
MH Number	7 Time (9)	O SD O BM	some blackage downstream	Required	Photos 01 White Board (3)	02 Location 68/	03 Surf Down Taken Above Rim	04 Surf Down Token Below Rim	Infet Location/ Path from MH	
Sheet No. (6)	Date (8)	Inspection Status (36)	Additional Inspec		Photo #(s)	Photo #(s)	Photo #(s)	Photo #(s)	Photo #(s)	
before: Y //N after: Y //N	2 pp/mm	150			Insert Type (51) Condition (52) Governorm Distriction Properties Distriction Conded al(s4) Condition(SS) K Sound C racked	Other Defect: Lining None Lining 8 MODOS	٥ ا	Step Material (90) Metal Brick Plastic Other		
	Certificate (2)	h (ST) Results Rating (2 3 4 NA	Cross Street or Location Details (12) Use Cado Aul			Adjustment Ring Type(s3) Material(s4) Condition(s5)	Brickwork Brickwork	"None") Brickwork Brickwork De De De De De De De De De De De De De D	"None") Brickwork Brickwork De De De De De De De De De De De De De	Step Mater Metal
ا ا ا ا	Z	Penetration/Scratch (ST) Results	Cross Street or	SERVATIONS	Cover Condition(s) (so) sound Corroded Cracked Missing Broken Bots Missing		DEFECTS in Chimney (For no defects, check "None")	Corrosion	Corrosion	(89) sd
vel (38) Purpos	비위 \ ̄	Penetr 6 o'ciock	me)(10)	DEFECT OB	88 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Seal condition (62) inflow (64) EM-Sound Cracked Iw 10 III	J/I (67) J/I (67) None	DEFECTS in Cone (Form)	in None Cotton Wall (For r	Number of Steps (89)
Inspection Level (38)		Wall Diameter (lengt)/wdth; (77)	Street Address (Number and Name) (10) 338 Ade / Lhe Dr.	SION/LINE	Type (44) Fit		DEFECTS J/I () None orde on the orde on sub-	Type (72) Type (72) D Firt/Sab C Concentric W W	I None	talled (85)
ON FORM	Surface Type (28) C) AS EF-GD C) CO C) GR C) CC C) Z		Street Address (Num 2838 A.A.	AND CORRO	Shape (40)	\$	Depth (69)	Depth (74) Ty	Depth (79)	Channel installed (85)
OLE INSPECTION FORM	MH Type (30)	Rim to Grade	City (11) Burlingame Hills SMD	OMPONENT	Material (43)	Condition(s) (61) O	Coat/Liner (70)	Coat/Uner (75)	(80)	Bench Present (82)
OLE	MH Use (17)	Rim to invert (14)	Cocation Code (26)	MANHOLE COMPONENT AND CORROSION/LINER DEFECT OBSERVATIONS	Size (43/42) in in 25/1/1	FRAME Material (57) pf CAS	CHIMINEY Material(s) (66) Coat/Liner (70) C) BR C) C C) C C) C C) C	CONE Material(s) (73) CV BR CONE CONE CONE CONE CONE CONE CONE CONE	WALL Material(s) (78) C D BR D RCP	BENCH, CHANNEL, STEPS Bench Preser
	. – L						WIA		N/H	

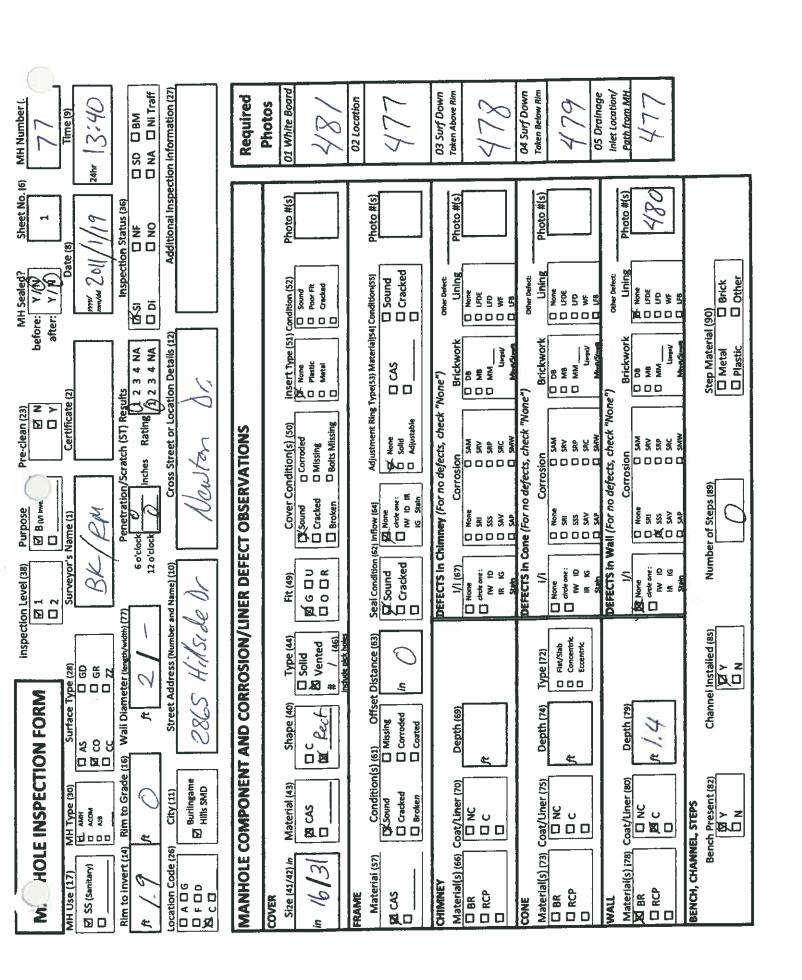
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MH Number 575		22	Seal Condition (101)	bunos 🙀	a Defective	X Sound	O Defective	D Sound	C Defective	PunoS D	□ Defective	punos p	C Defective	punos 🛭	☐ Defective	D Sound	□ Defective
			Condition (99)	₽ Sound	O Defective	Sound	[] Defective	D Sound	Defective	D Sound	Defective	Dound -	□ Defective	D Sound	ם Defective	D Sound	□ Defective
		OPTIONAL	Width (98)														
		ō	Diameter (97)	_	0	/	0										
			Shape (96)	A Creater C) Rectangular C) Square	O Arched	Chroster CD Rectangular CD Square	D C	Circular Circular Circular Circular	O Archael	O Greater	P 0 0	O Groder O Rectorquier O Sense		O O order		O Chroder O Rectangelar	
2			Material (95)	5 5 3	\$ ¥	2 \$ 3	¥ ¥	5 5 3	2 k	200	3 4 5	\$ \$ \$	2 k g		3 4 2		345
			Rim to invert (93)	CA		00	>- /										
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\			Special Condition (101)	C OU fout thrus that C OL (Out once Leve) C IU (in thrus the)	I Lin Drop Law) PM (Force Main) 18 (Lawren)	OU (Out Doug Up) OL (Out Ones Levi) Ol (On Ones Up)	C) IL (hr Group Law) C) FM (Forte Males) C) Lill (Leberra)	C OU (that they tig) C Of (that ones thes)	C) FM (Force Mahs) C) FM (Force Mahs) C) Lib (Lateral)	O OU (Out Dres Las)	C R (in Dres Law) C FM (force shale)	O OU (Out Drup Up) O Of, (Out Drup tare) I IV (in Drup Up)	O ft. (in Dray Low) O FM (Panza Make) O Uli Rattered)	O OU (Out Drup Up) O Of, (Due Drup Law)	Cl. (in Drug Law) Cl. FM (Purze Males) Cl. (il. (Leteral)	CI OU (Out Drep Les) CI OL (Out Drep Less) CI AL (he manales)	C It (in three Low) C FM (force Man) C (in (Lavern)
		REQUIRED	Olrection (94) (.s		4	,	<u>=</u>			50 D		Out		D 04		Out
	CTIONS		Clock Position (92)	ဖ		()	_				:						
	PIPE CONNECTIONS		Pipe Number (91)	+		7)	***									

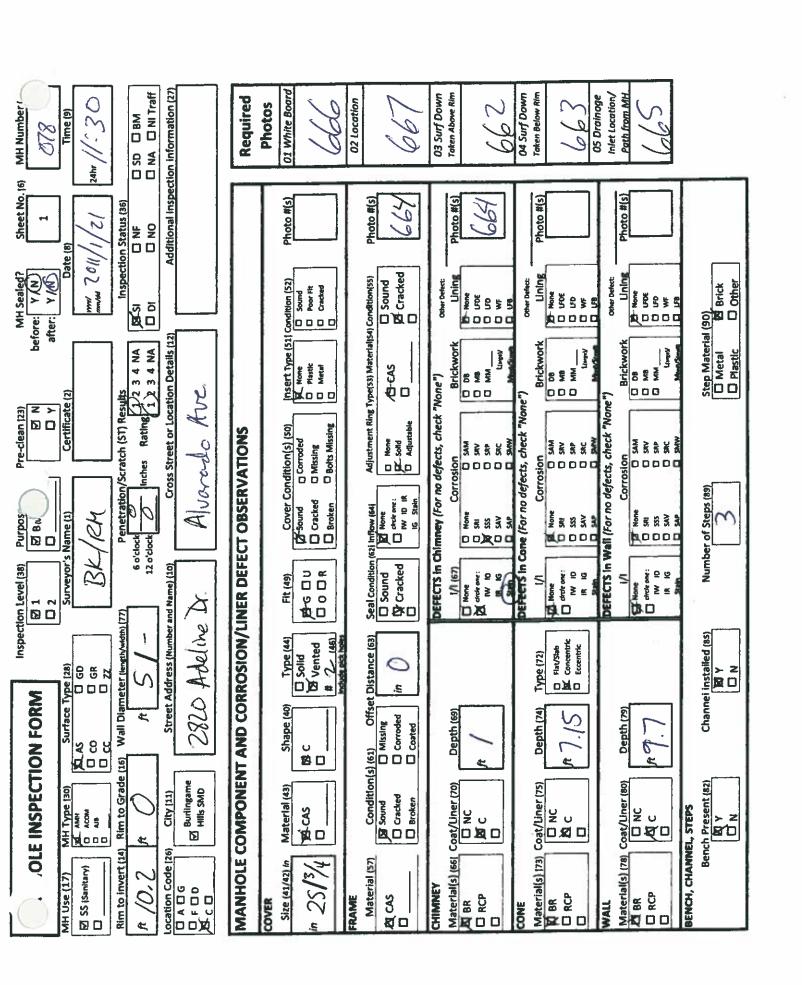
MH Number 6	Time (9)	O SD O BM	Additiona) inspection information (27)	Required	Photos 01 White Board 675	02 Locotion	03 Surf Down Taken Above Rim	04 Surf Down Taken Below Rim	infer Location/ Path from MH	
Sheet No. (6)	12/1/	inspection Status (36)	dditiona) inspect		Photo #(s)	Photo #(s)	Photo #(s)	Photo #(s)	Photo #(s)	
before: V(K)	mm/ss 20 ///	inspectio			Condition (52) Sound Pour Fit Conded	(Z. Sound	Other Defect Uning None Uning None Uning	1 0 14	Uning Uning Uning Uning Union	Step Material (90) Metai (20) Plastic (10)
•	ate (2)	(ST) Results (Ú2 3 4 NA Rating Ó2 3 4 NA	Cross Street or Location Details (12)		(Insert Type (51) Condition (52) W. None D Sound D Plastic D Sound D Metral D Conched	Adjustment Ring Type(53) Material(54) Condition(55) Nove 24. CAS (28. Sound Adjustable Cacket	Brickwork Brickwork D be D MB	"None") Brickwork D 08 D 08 D 08 D 08 D 08	Brickwork Brickwork De De De De Lingsty	Step Materia Metai Plastic
Pre-clean (23)	Certificate (2)	Penetration/Scratch (5T) Results the horizontal (0,2)	Cross Street or La	RVATIONS	Cover Condition(s) (so) Sound Corroded Cracked Missing Broken Bots Missing		DEFECTS (n Chimney (For no defects, check "None")	defects, check "N Corrosion SAM 0 SAV 0 SAV	DEFECTS in Well (For no defects, check "None") Mone	
SE C	Surveyor's Name (1) BK/QM	Penetration 6 o'clock 12 o'clock	4//	ON/LINER DEFECT OBSERVATIONS	X 00	Seal Condition (62) Inflow (64) Sound Care on: Care o	(in Chimney (For	A Cone (For no	In Well (For noc	Number of Steps (89)
nspection Level (38)	Surve	/width) (77)	Number and Name) (10)	N/LINER D	ted Fit (49)		DEFECTS (n 1/1 (67) DF None (C) office one: (N) ID (R) IS		DEFECTS II	
	Surface Type (28) 1 GD 1 GR	Wail Diameter (lengthywdth) (77)	Street Address Inu. 2839 Adde	CORROSIC	Shape (40) Type (44) C Solid E Sonted # 2 (46)	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	(63)	7 Type (72) C Fire/Stab C Concentric C Eccentric	h (79)	Channel installed (85)
OLE INSPECTION FORM	8 8 8	Rim to Grade (16) Wa		MANHOLE COMPONENT AND CORROSI	N D	Condition(s) (61) Off D-Sound I Missing Cracked Corroded Broken Coated	er (70) Depth (69)	er (75) Depth (74)	er (80) Depth (79)	it (82)
OLE INSF	ary) MH Type (30)		D	OLE COMPC	Materiai (43)		Material(s) (s6) Coat/Liner (70) Material (s6) Coat/Liner (70) Material (s7) Coat/Liner (7	5] (73) Coat/Liner (75) D NC D C	WALL Material(s) (78) Coat/Uner (80) D BR D RCP D C	BENCH, CHANNEL, STEPS Bench Present (82) BL Y C N
	MH Use (17)	Rim to invert (14)	Location Code (26)	MANH	512E (41/42) In 195/3/4	FRAME Material (57) Ø-CAS	CHIMNEY Material(s D-BR C RCP	CONE Material(s) (73) 181 BR C RCP	WALL Material(s 0 BR 0 RCP	BENCH, C

NA

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Pipe Number	Pipe Number Clock Position	Direction	Special	Rim to Invert	Material	Shape	Dlameter (97)	Width (98)	Condition	Seal Condition
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			C) LB (Lectoral)			0	>			
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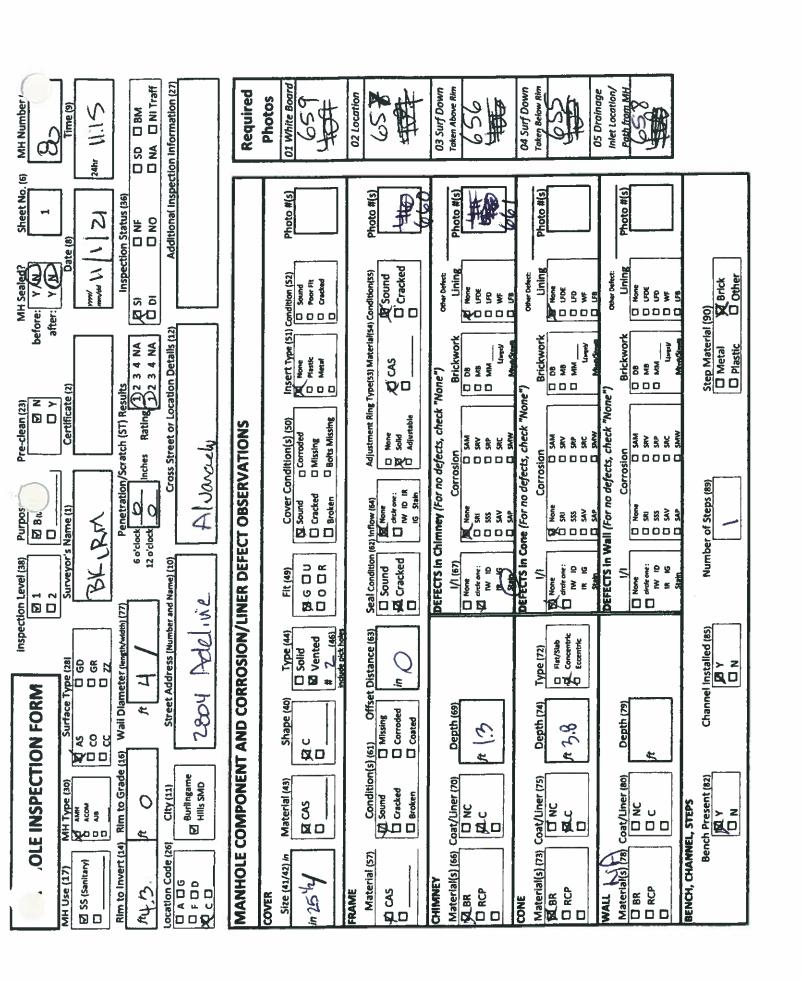
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MH Number			Seal Condition (101)	py Sound	Defective	Sound	□ Defective	D Sound	☐ Defective	D Sound	Defective	D Sound	□ Defective	D Sound	□ Defective	D Sound	□ Defective
			Condition (99)	Z Sound	□ Defective	punos g	Defective	D Sound	□ Defective	D Sound	□ Defective	D Sound	□ Defective	D Sound	□ Defective	D Sound	□ Defective
		OPTIONAL	Width (98) inches										-12		:		
		0	Diameter (97)		6	/	0				-						
7 2			Shape (96)	Croular Recompular Square		DF Croster C Rectangular Square	D Arched	Creuter Rectangular		Checker Checke	Arthed C	Circular Rectangular	Arched	Chroder Chrode		Creater Create	
2			Material (95)	5 \$ 3 :	3 D D	5 \$ \$		\$ \$ \$	3 4 5		345 		3000 3 2 2 3	\$ \$ \$	3 * \$	\$ \$ \$	3 4 §
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₩ - P			Special Condition (101)	OV (out they that	C FM (Force Main)	OU (Out Drop Up) OIL (Out Drop Up) OIL (Out Orop Up)	It (in they tow)	OU (Out Drop Up) OU (Out Drop Low) Ou (Out Drop Low)	It In Organians FM (Force Make)	OU lose bras las	C It (in they by) C It (in they bow) C FM (here Main)	OU (Out one tot) Ou (out one tow) Ou (out one tow)	O IL In Orop Low) O FM (Force Main) O LB (Letteral)	OU joer Onsy Up) Ou joer Drep Loe) Ou joer Drep Loe)	If the Broat Lower FM (Force Mode) G (Lessent)	D DU (Out Drop Up) OL (Out Drop Low) D U (fr Drop Low)	IL im Once Low! FM (ferce Alain) LB (Linean)
		REQUIRED	Direction (94)			E			50	1	o o		50 		, 5 0		TO 0
	ECTIONS		Clock Position (92)	9		1.0	16										
SK.	PIPE CONNECTIONS		Pipe Number (91)	1		7	1										



MH Number			Seal Condition (101)	X Sound	☐ Defective	punos 'pa	☐ Defective	punos 🙀	☐ Defective	D Sound	D Defective	D Sound	a Defective	D Sound	□ Defective	D Sound	a Defective
			Condition (99)	©\Sound	☐ Defective	punoso	□ Defective	Msound	☐ Defective	D Sound	Defective	D Sound	□ Defective	D Sound	□ Defective	D Sound	O Defective
		OPTIONAL	Width (98) inches														
			Diameter (97) inches	()/	, 0	V /	0	_	9								
			Shape (96)	J& Chroster Rectangular Square Square Arthed	D	Chouler Chectengular Chouse		Martingder Square	O Arched	O Greater O Rectampater		Chruter C Rectangular Square		O Orculer O Recampular Soums		C Creater C Rectangular Square	
2			Material (95)	5 \$ \$ \$ c		DB(D		□. 23 □ 5 8 3	¥ ¥	200	<u>%</u>	558		553	2 × 3	000 533	4 §
			Rim to invert (93)	# 01	1.0)		10.00		(0-/								
			Speciai Condition (101)	OV (Out Drop Lieu) OV (Out Ores Leur) OV (On Drop Lieur) OV (In Drop Lieur)	C FM (Force Mahr)	COV four ones usi	C) IL (in Oras Law) C) FM (Ports Make) C) LB (Leteral)	C OU four brey up) C OL (out oney Lew) C IU (in brey up)	O ff. (in Oros Low) O FM (Force Moin) O Lill (Laverni)	Clot (but bug Up) Clot (but bug) Clot (but bug)	Off (in Drop Law) Of M (Porce Make) Of Cuttom)	C OU (Der Bros Us) C Of (Dot Ores Leut) C IÚ (in Dros Us)	O IL (in Oras Law) O FM (Force Male) O US Ruternt)	OV (Det Drug Up) Ot (Det Brug Land) If (in Brug Ub)	C R (in Oros Low) C FM (Purze Main) C UB (Leteral)	C) OU (Out Drug Up) C) Of (Out Drug Same) C) IV (in Ores Up)	It (in Oraș Law) FM (Noraș Main) LB (Lavora)
		REQUIRED	Direction (94)	10 P		<u>2</u>		Ø,			□ out	ni D			Out		□ Out
	ECTIONS		Clock Position (92)	9		6/	7	(S								
	PIPE CONNECTIONS		Pipe Number i91)	г		Š	7	(7)								

₹ O	71me (9)	O SO O BM	1 01	Required	Photos 01 White Board (53	02 Location 647	03 Surf Down Token Above Rim 648	04 Surf Down Taken Below Rim	inter tocation/ Path from MH (657	
Sheet No. (6)	1/2/	(nspection Status (36)	dditional inspect		Photo #(s)	Photo #(s)	Photo #(s)	Photo #(s)	Photo #(s)	
before: Y //N after: Y //N	mm/s 20///	(nspection of the control of the con			Insert Type (51) Condition (52) We none Sound Insert Inse	S4) Condition(53) ELSound Cracked	Other Defect: Lining O None O UPD O WF	Uning Uning Uning Uning Uning Use Use Use Use Use Use Use Use Use Use	00000	al (90)
Δ.	ate (2)	Results 4 NA 2 3 4 NA	Cross Street or Location Details (12)		Insert Type (5) W None Institute In	Adjustment Ring Type(33) Material(34) Condition(35)	k "None") Brickwork D	Brickwork	"None") Brickwork Brickwork D DB D NB D NB D NM Step Material (90) Charles Ch	
Pre-clean (23)	Certificate (2)	Penetration/Scratch (ST) Results	Gross Street or L	RVATIONS	Cover Condition(s) (50) Sa. Sound □ Corroded □ Cracked □ Missing □ Broken □ Bobts Missing		DEFECTS in Chimney (For na defects, check "None") Brit	Corrosion Cone (For na defects, check "None")	defects, check "N Corrosion Saw Sav Sav Sav	1
Purpos	Surveyor's Name (1) BK/EM	Penetrati 6 o'clock 12 o'clock	' <u> </u>	/LINER DEFECT OBSERVATIONS		Seal Condition (62) Inflow (64) C Sound C None C None C None C None C None C Sound C	in Chimney (For	in Cone (For na	00000	Number of Steps (89)
inspection Levei (38)		tn/wdth) (77)	Street Address (Number and Name) [10]		E (44) Ft (49) d b c c c c c c c c c c c c c c c c c c		DEFECTS in (/1 (67) None and one in the interval in the in	ایگی	DEFECTS II.	
	Surface Type (28) 1 GD 1 GR 2 GR	aii Diam	Street Address	ID CORROSI	Shape (40) Type (44) C	\$	Depth (69)	S S Comment	Depth (79)	Channel installed (85)
NOIT	MH Type (30) MAH Type (30) MACON M	Rim to Grade (16) W	City (11) Burlingame Hills SMD	MANHOLE COMPONENT AND CORROSION	(£) (5)	Condition(s) (s1) O		ler (75)	(80)	NNEL, STEPS Bench Present (82)
OLE IN	MH Use (17) MH T	Rim to invert (14) Rim	7de (26)	NHOLE COM	13/m	rial (57)	CHIMNEY Material(S) (66) Coat/Uner (70) U BR U RCP U C	ial(s) (73	iai(s) [78] P	BENCH, CHANNEL, STEPS Bench Preser
	MHOUS CO	Rim t	D A D D C S C C S C C C C C C C C C C C C C	MA	Size (4)	FRAME Mate	CHIMNEY Material(Materia Materia D BR C RCP	WALL Materia	BE

MH Number 079			Seal Condition	punos 🖰	O Defective	punos X	□ Defective	M Sound	a Defective	punos D	□ Defective	punos D	Defective	D Sound	□ Defective	punos 🛭	□ Defective
			Condition	D Sound	n Defective	Sound	C) Defective	puno s g y	() Defective	D Sound	C Defective	D Sound	□ Defective	D Sound	□ Defective	D Sound	□ Defective
	1	OPTIONAL	Width (98)														
		ō	Diameter (97)	C	\sim	/	9	1	9								
			Shape (96)	Orcular O Recampular O Square	Page D	Dr. Orcular O Rectampular O Square	O O	B Chroler Rectangular Square	Arched	Orcuter O Nectorgader		Orcular O Rectorgular	Arched C	Oroster C Rectangular		Chroder O Recongular	
2			Material (95)	0000 5587		5 5 S	¥ ¥	533		\$ \$ \$	2 × ×	\$ \$ \$	3 4 %	\$ \$ \$	3 4 5		34 %
J _M			Rim to invert (93)	J	7. (01)	7.0	0 \	7.0								
A >			Special Condition (101)	OL (Okt Drop Up) OL (Okt Drop Up) Ol (Okt Drop Up) Ol (Okt Drop Up)	C) PM (Force Main)	C OV (Dut Dusy Up) C OX (Dut Dusy Use) C IV (in Dusy Up)	C It (in Drep Loud PM (Force Make) C th (Leteral)	O OU (Out once Us) O L (Out once Law) I I fin once Us)	C It (in three Low) C FM (house Main) C Listonal	DU (Det Omp Up) OL (Om Omp Len) IL (in Omp Up)	It (in Orde Low) FM (force Make) Us (Lateral)	O OU lost bros tip) Of (out bros tim) Of if in bros tie)	C IL (in Orop Law) C FM (Force Male) C (8 (Levered)	OU (Out Drup 15s) OIL (Out Drup Lou) Of Un for Drup Lou)	Off (in Drap Law) OFM (Fance Main) OB (Larboral)	COU (Dur Drage lay) COU (Dur Drage law) COU (Dur Drage law)	I. (in One Lead) FM (Force Make) I. (in Leave)
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		REQUIRED	Direction (94)	: C		λ <u>ς</u>	:	u-J		}	5 0 0		Out		50		D Out
	CTIONS		Clock Position (92)	9		12	J	C	$\hat{}$								
	PIPE CONNECTIONS		Pipe Number (91)	1		(V	~)								



MH Number			Seal Condition (101)	Sound	☐ Defective	D Sound	☐ Defective	D Sound	☐ Defective	D Sound	☐ Defective	D Sound	O Defective	punos 🗈	Defective	D Sound	□ Defective
			Condition (99)	d Sound	🖸 Oefective	D Sound	n Defective	D Sound	☐ Defective	D Sound	O Defective	punos 🗈	C Defective	D Sound	□ Defective	D Sound	🗅 Defective
		OPTIONAL	Width (98)														
			Diameter (97) inches		૭		او						·-·				
2			I vo	Cooper Decomputer Course)D Chroder G Rectangular G Square		O Chrudar O Rectangular Square		C Creater C Recomputer		Chroder Chroder Chroder Chroder		Orallar O Rectangular Square	D C	Chouler C Rectangular C Square	D Archael
			Material (95)	១ ១ ១១១	- 1	១ ៩ ១ ភូទិន្ន		000 553		\$ \$ 8 0 0 0	3 4 8	5 \$ 3	2 Z Z	253	2 Z Z	553	
1			Rim to invert (93)	23			430								;		
			Special Condition (101)	COU (One Owns Us) COU (One Owns Low) COU (W Owns Us) COU (I In Owns Us)	O FM (Forte Main)	CI OU (Det Dras Law) CI OL (Det Dras Law) CI IV (in Dras Law)	Cl. ft. ftr. Oraș Land Cl. FM (Forza Male) Cl. (Leterat)	O OU (Der Drap Us) O U, four brap Use) O I'U (in oraș Up)	O fl. (in Does Low) O FM (Porce Make) O LB (Lorence)	CO OU four bree use CO OU four bree Level CO YO for bree Us)	O It (in Drop Low) O FM (house Main) O Lib (Laterni)	Cl OU fow owe up) Cl Of, fow brest use) Cl IV (in brest up)	C It (in Drae Low) C FM (Force Main) C LB (Latered)	Cl OU four brae tiet Cl OL four brae tiet Cl OL four brae tien) Cl IU (in bree tiet)	If the Drope Lower FM (Theres substet) Lib (Letternit)	Cl OU (Out Dwg Ue) Cl OI, (Out Ong Low) Cl IV (in Ong Low)	C FM (Morse Main) C FM (Morse Main)
		REQUIRED	Direction (94)	<u>s</u> 6		Ξ.		Ē				ui 🗆			ų.	Ē	
	ECTIONS		Clock Position (92)	9		-44	\$p										
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ber (.	(6)	□ 8M □ NI Traff	tion (27)	ired	tos	ation 3	Down Stan	04 Surf Down Taken Below Rim	the Location/ Path from MH 482	
₹	Time (9)	O SD CI BM	ction informa	Required	Photos 01 White Board 4786	02 Location 4/8 2	03 Surf Down Taken Above Rhn YAPS	Od Surf Down Token Below Rim	Posts from	
Sheet No. (6)	(8)	(nspection Status (36)	Additional inspection information (27		Photo #(s)	Photo #(s)	Photo #(s)	Photo #(s)	Photo #(s)	
MH Sealed? efore: Y /400 after: Y /400	Date (8) mm/46 ZOU/	(nspectio	¥		Condition (52)	Condition(55)	Other Defect Lining Office of the Company of the Co			(90)
befo	: (2)	Rating A 3 4 NA	tion Details (12)		Insert Type (51) Condition (52) Mone	Adjustment Ring Type(53) Material(54) Condition(55) Mone CAS Cound Solid CAS Cracket	None") Brickwork D 08 D M8 D M8 MANAGEMENT	8 WILLOW	l [©] nnn l	Step Material (90) Metal Brick Plastic Other
Pre-clean (23)	Certificate (2)	ck (Inches Rating)	Cross Street or Location Details (12)	ATIONS	Cover Condition(s) (so) Sound □ Corroded Cracked □ Missing Broken □ Boits Missing	Adjustment Ring 1 Mone Solid Solid Adjustable			DEFECTS in Wall (For no defects, check "None")	
Purpose G B (th inve	Name (1) - / RM	Penetration/S 6 o'clock (m	Uni	CT OBSERVATIONS	Cover Cond	11 inflow 164) Control Will in IR	imney (For no defec Corrosion None SRI SSV SAV	Corre (For no defe	For no defe	Number of Steps (89)
Inspection Level (38)	Surveyor's Name (1) RE/R		and Name) (10)	V/LINER DEFECT	Fit (49)	Seal Condition (61) inflow [64) Cache on Cached Carbon on to the one on to the one on to the one on to the one on to the one on to the one one on the one one on the one one on the one one on the one one one one one one one one one on	DEFECTS in Ch	DEFECTS in Co	DEFECTS in W	Numb
	ype (28) C) GD C) GR	Wall Diameter (kngth/wdth) (77)	Street Address (Number and Name) (10)		Type (44) Solid Solid Type (44) Type (44)	Offset Distance (63) se in O		Type (72)		Channel installed (85)
ON FORM	Surface Type (28)		28.79	T AND COF	Shape (40)	orro	Depth (69)	Depth (74)	Depth (79)	Channe
HOLE INSPECTION FORM	MH Type (30) K AMH C ACOM C ACOM	Rim to Grade (16)	City (11) Burlingame Hills SMD	OMPONEN	Material (43)	Condition(s) (61) Example Sound Cracked Broken	oat/Liner (70)	Coat/Uner (75)	Coat/Uner (80)	ANNEL, STEPS Bench Present (82) Ed Y
M. HOLE	MH Use (17) SS (Sanitary)	Rim to invert (14)	Ocation Code (26)	MANHOLE COMPONENT AND CORROSIOI	COVER Size (43/42) in in \6/3/	FRAME Material (57) Ed CAS	CHIMNEY Material(s) (66) Coat/Liner (70) D BR D CC D C	CONE Material(s) (73) C D BR D RCP	WALL Material(s) (78) CB BR D RCP	BENCH, CHANNEL, STEPS Bench Preser

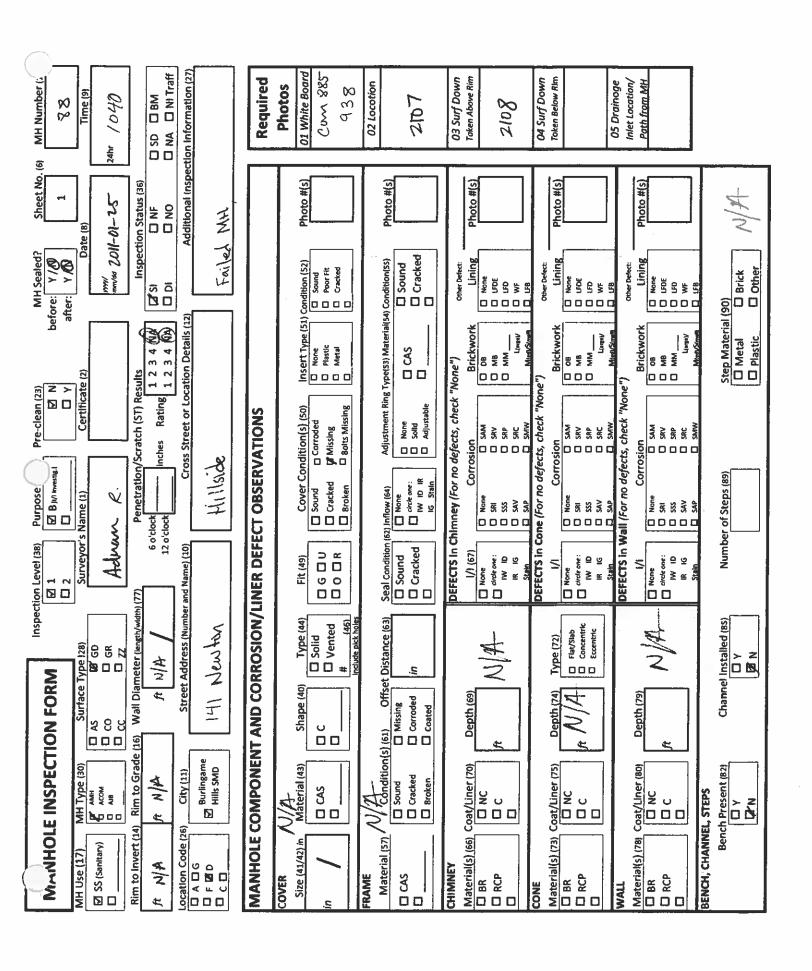
788 Time (9)	ion Status (36) D NF D NO D NA D NI Traff Additional inspection Information (27)	Required Photos	89 80 97 8	92 Locotion 487	03 Surf Down Token Above Rim	O4 Surf Down Taken Below Rim	inter Location/ Path from MH	
Sheet No. (6	inspection Status (36) O NF D NO Additional inspect		Photo #(s)	Photo #(s)	Photo#(s) 490	Photo #(s)	Photo #(s)	
before: Y(N) after: Y(N) Date ()			insert Type (51) Condition (52) XL. None Plastic Metal Metal	rialissi Conditioniss) Sound Cracked	other Defect. Lining. Discovery	00000	⁶ 0000	Step Materiai (90) Metai 🗆 Brick Plastic 🗆 Other
Pre-clean (23) El N Certificate (2)	on/Scratch (ST) Results inches Rating 12 3 4 NA Cross Street or Location Details (12) W fan	S		Adjustment Ring Type(53) Materialissi Condition;55) None Mark Solid CAS Cashid Cracket Adjustable Cacket	check "None") Brickwork C DB C DB C MB C MB Livery When Sum	-	Brickwork Brickwork D NB D NB D NM D NA Nepsy	Step Mater Metai
ė l	Penetration/Scratch (ST) Results ch	N/LINER DEFECT OBSERVATIONS	Cover Condition(s) (50) (\$\overline{\text{Sound}} = \text{Corroded} Cor		DEFECTS in Chimney (For no defects, check "None") i (67)	For no defects, Corrosion None Sav Corrosion	For no defects, Corrosion None Corrosion SSS CORROSION SAN CORROSION SAN CORROSION SAN CORROSION SAN CORROSION SAN CORROSION SAN CORROSION CORROS	Steps (89)
inspection Level (38) Purpose 1	6 o'clo 12 o'clo Name) (10)	NER DEFECT (Fit (49)	Seal condition (62) inflow (64) G Sound Cracked IN ID IS Stall	DEFECTS in Chimns i/i (G7) None id cinct one: if w to ig w to	DEFECTS In Cone () 1/1 1/1 1/1 1/1 1/1 1/1 1/1 1	DEFECTS In Wall () i/i None drote one: in ig	Number of Steps (89)
1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Wall Diameter (Innerthwidth) (77) ft 3/2 12 Street Address (Number and Name) (10) 2888 Hill (CNEST D).		Type (44) Solid Solid Vented 2 (46)			Type (72) Flat/Slab Concentric Eccentric		Channei instalied (85)
Surface	W. (15) W.	ENT AND CO	Shape (40)	Condition(s) (s1) Offs Sound Missing Gracked Corroded Broken Coated	Depth (69)	5) Depth (74)	(5) Depth (79)	
M. H. Use (17) MH Type (30) Surface Type (30) Su	t (14) Rim to Grade (16) ft O E (26) City (11) Figuringame Hils SMD	MANHOLE COMPONENT AND CORROSIC	(42) m Material (43)	200	(66) Coat/Liner (70) AB NC C C	(73) Coat/Uner (75) ZD NC D C	(78) Coat/Liner (80)	BENCH, CHANNEL, STEPS Bench Present (82) CB Y
Mt Use (17) S SS (Sanitary)	Rim to invert (14) ft 2 8 Location Code (26) 0 A 0 6 0 F 0 D 6 C 0	MANHOL		FRAME Material (57) Yel CAS	CHIMNEY Material(s) (66) D BR ZZ RCP	CONE Material(s) (73) BR Material(s) (73)	WALL Material(s) (78) G BR G RCP	BENCH, CH

		l -	8 20	_	le l		e s	E E	Τ.		
MH Number (.	Time (9)	O SO O BM	Additional inspection information (27)	Required	Photos 10 White Board	493	03 Surf Down Taken Above Rim	04 Surf Down Token Below Rim	495	met Location/ Path from MH	
	24hr	OS D	S/ock					læ[la l	
Sheet No. (6)	11/19	(nspection Status (36)	ditional ins		Photo #(s)	Photo #(s)	Photo #(s)	Photo #(s)		Photo #(s)	
MH Sealed? efore: Y/® after: Y/®	Date (8)	(nspection Dispersion	Heavy		ondition (52) Sound Depore Re	Condition(55) Sd Sound Cracked	Other Deflect: Uniting II None I to to I to WF	other Defect: Lining	70 C C C C C C C C C C C C C C C C C C C	Other Defect: Lining Lining Lining Lining Lining Lining Lining Lining	(90) Brick Other
<u>.</u>	e (2)	ults 0 2 3 4 NA 0 2 3 4 NA	tion Details (12)		insert Type (S1) Condition (S2) (BY None Count	Adjustment Ring Type(53) Material(54) Condition(55)	None") Brickwork D be D M8 D M8 D M8 D MM	e") Brickwork	MW CO CO CO CO CO CO CO CO CO CO CO CO CO		Step Materiai (90)
Pre-clean (23)	Certificate (2)	Penetration/Scratch (ST) Results ck	Cross Street or Location Details (12)	ATIONS	Cover Condition(s) (so) Sound □ Corroded Cracked □ Missing Broken □ Boits Missing	Adjustment Ring None (A Solid Adjustable	DEFECTS in Chimney (For no defects, check "None")	DEFECTS In Cone (For no defects, check "None") i/i Corrosion	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	DEFECTS in Wali (For no defects, check "None") I None	
Purpose (2) But mes	Name (1) /RM	Penetration/ 6 o'clock	New	N/LINER DEFECT OBSERVATIONS	Cover Con	62) Inflow (64) None Chick one: The Total one: The	himney (For no Corr 10 Sat Sat Sat Sat Sat Sat Sat Sat Sat Sat	one (For no defi	40000 88 88 88 88 88 88	Nali (For no defit	Number of Steps (89)
inspection Level (38)	Surveyor's Name (1) RE/R		r and Name) (10)	LINER DEFE	Fit (49)	Seal Condition (sz) inflow (sel	DEFECTS in C i/i (67) M None Carotone: IN 10 IR 16 Stein	DEFECTS In (Orde one: NV 10 IR 16	DEFECTS in V	e .
	Type (28) (4) G0 (5) GR (7) ZZ	Wali Diameter (tenethywdth) (77)	Street Address (Number and Name) (10)		Type (44) Solid Vented C (46)	Offset Distance (63) 18 in O		Type (72)	Flat/Stab SK- Concentric Gecentric		Channel installed (85)
TION FOR	Surface Type (28) 10 AS X GO 10 CO 0 GR 10 CC 0 ZZ		12	NT AND CO	Shape (40)	lissir orro	Depth (69)	Depth (74)	R1.9	Depth (79)	
JOLE INSPECTION FORM	MH Type (30)	Rim to Grade (16)	City (11) Burlingame Hills SMD	COMPONEI	Material (43) At CAS	Condition(s) (s1) Sound Casked Casken	Coat/Liner (70)	Coat/Liner (75)	∑ ∪ □ ⊠ □	Coat/Liner (80)	Bench Present (82)
M	MH Use (17) S (Sanitary)	Rim to invert (14) ft 2.4	Location Code (26)	MANHOLE COMPONENT AND CORROSIO	COVER Size (41/42) in in 25//2	FRAME Materiai (57) Ed CAS	CHIMNEY Material(s) (66) M BR C RCP	CONE Material(s) (73) Coat/Liner (75)	第 0 0	WALL Material(s) (78)	BENCH, CHANNEL, STEPS Bench Preser

MH Number			Seal Condition (101)	₩ Sound	D Defective	pd. Sound	□ Defective	DK Sound	□ Defective	D Sound	□ Defective	punos 🗆	D Defective	D Sound	□ Defective	D Sound	□ Defective
			Condition (99)	punos pt	□ Defective	punos es	(1) Defective	p -Sound	□ Defective	punos 🛭	□ Defective	punos 🗆	□ Defective	D Sound	□ Defective	D Sound	□ Defective
		OPTIONAL	Width (98)			Pic 101	Slakuge										
		ō	Diameter (97)	ţ	2		9	\	0								
\bigcap			Shape (96)	ZB- Circular	Dedped 0	D- Creuter Recongular Square	O Arched	Chronier Chronier Chronier Chronier	Archad	Orodar Nectorgular Source		Carcular Rectargular	- Arched	Orcular O Rectangular	Pedpay	O Circular O Rectangular	
- 2			Material (95)	020 553		0.80 \$ \$ \$ 3	000 å∑ 	₽ \$ \$	X		3 %	5 6 8	3 8 8	\$ \$ \$	3 4 %		
			Rim to invert (93)	7 3	1983	76	Г.	j / C	7. 7								
× ~			Special Condition (101)	OU (Out Drap Up) OU (Out Drap Low) If (in Drap Up)	It (in Orop Law) FM (Force Main) Lift (Latern)	Of for the law)		OU (Out Drop Up) OL (Out Orop Low) It (in Orop Up)	fl. (in Drop Low) FM (Force Math) LB (Leternt)	COU (Out brop Up) COU (Out brop Los) COU (Out brop Los)	It (in thou tow) FM (force Main) Us (Lateral)	OV (Out brop Up) OV (Out brop Low)	IL (in Oraș Law) FM (Forte Main) Lis (Letern)	OUT (Det Drop Up) OL (Det Drop Law)	K (in Drop Low) FM (Force Male) UB (Leteral)	OU (Out Drop Up)	It (in bree ter)
7		REQUIRED	Direction (94)			DE in			D out		O _{ot} t		Out		5 0		, Š
	ECTIONS		Clock Position (92)	9	1	7	2	(7								
SK	PIPE CONNECTIONS		Pipe Number (91)	1	·	Ç	J	r	^								

£ 0	24hr /0 , 72	O SD O BM	Additional inspection information (27)	ates on benefit	Required	Photos 01 White Board	02 Location S 4 7	03 Suf Down Taken Above Rim	04 Surf Down Token Below Rim \$\sqrt{9}\$	05 Drainage Inlet Location/ Path from MH	sewale smell pricent
Sheet No. (6)	02/1/	Inspection Status (36)	ditional inspec	Jewage accomolates		Photo #(s)	Photo #(s)	Photo #(s)	Photo #(s)	Photo #(s)	
before: Y (N) after: Y (N)	mm/sd Zeil/	is a		Sevage		insert Type (51) Condition (52) If None Description Condition Conded Conded	raterial(s4) Condition(ss) CA-Sound C Cracked	Brickwork Uning De Man Na Uning De Man De Liver Uning Na De Liver Uning Na De Liver Uning Na De Liver Uning	Swork kerek	work vork	(90) lei
Fe-clean (23)	Certificate (2)	Penetration/Scratch (ST) Resuits	- 희	Hillside Or	/ATIONS		Adjustment Ring Type(S3! Material(S4) Condition(S5)				
odina Rubo	BK/RM	6 o'clock		Hills	DEFECT OBSERV	Cover Cor	62) Inflow (6	(67) Chimney (For no Corr. ove: Corr. ove:	In Cone (For I	In Wall (For no	Number of Steps (89)
		/wedth) (77)	umber and Name)	lasten Or	N/LINER D	44) Fit (49)		I/I (67)		DEFECTS I	4
ON FORM	10 AS 0 0 00 0 00 0 00 0 00 0 0 00 0 0 0	S) Wall Diameter (length/width) (77)	/ 황 *	145 Non	MANHOLE COMPONENT AND CORROSION/LINER DEFECT OBSERVATIONS	Shape (40) Type (44) Ed C G Vented # C (46)	§	Depth (69)	Depth (74) Type (72)	Depth (79)	Channel installed (85)
ᆸᅵ	A AAMH	Rim to Grade	يا ل	HIIS SMD	LE COMPONENT	Material (43)	Condition(s) Sound Cracked Decree	(66) Coat/Liner (70)	Material(s) (73) Coat/Liner (75) Material(s) (73) Coat/Liner (75) Material(s) (73) Coat/Liner (75) Material(s) (73) Coat/Liner (75)	(80)	BENCH, CHANNEL, STEPS Bench Present (82) [25 Y O N
	SS (Sanitary)	Rim to invert (14)	Location Code (26)		MANHO	Size (41/42) In 25 / /2	FRAME Material (57) Cr. CAS	CHIMNEY Material(s) (66) Material(s) (66) R BR C RCP	CONE Material(s) Material(s) Material(s) Material(s) Material(s) Material(s) Material(s) Material(s) Material(s) Material(s) Material(s) Material(s) Material(s) Material(s) Material(s) Material(s) Material(s)	WAUL Materiai(s) (78)	BENCH, CH.

MH Number			Seal Condition (101)	tal Sound	C Defective	ph Sound	C Defective	punos D	□ Defective	D Sound	a Defective	D Sound	□ Defective	D Sound	a Defective	punos p	□ Defective
			Condition (99)	Sound	O Defective	Ø'Sound	C) Defective	D Sound	□ Defective	D Sound	C Defective	D Sound	O Defective	D Sound	a Defective	D Sound	C Defective
		OPTIONAL	Width (98)														
		0	Oiameter (97)	ः	٥	1	1-10										
				X Orcular O Rectangular O Square		R Crouler C Retangular C Square	D D	O Checular O Rectampular Country	Arched	Chader C Recongular	Page C	C Chroder C Rectangular		O Chrader O Rectangular	Parper C	Chroder Chroder Chroder Chroder	D Archael
2			Material (95)	ក្នុក ភូទ្ធិន	, ž	បទ្ទាំប ភូទិន	2 × ×		345	ı	3 4 %	\$ \$ \$	3 4 5		X	223	¥ £
1			RIm to invert (93)	7 7	7 = 7	, ,	/-/									i	
			Special Condition (101)	C) OU four three tight C) Of (then three (three) C) IV (in three tight)	IL In bros Lond FM (Force Main) (2) (8) (Loteral)	C) OV four these Use C) OL (Out three Leve) C) 10 (in three Use)	C) II, (in Ones Leur) C) FM (Force Make) C) Lis (Luterrel)	C OU (Out Drop Up) C O'L (Out Orse Lew) C I'V (in Orse Up)	Cl. (in Dres Low) Cl. FM (Force Make) Cl. (ib (Leveral)	O OU (Out One Us) O Ot (Out Ones Law)	C) N. (in Drop Low) C) FM (ferce heart) C) L8 (Lingwal)	CI OU (Out Own Up) CI OU (Out Own Up) CI OL (Out Own Lout) CI M. fin Dear Lie	C It (in Oraș Law) C FM (force Make) C Lê (Lennes)	COU (Out One Up) COL (Out One Lead) COL (Out One Lead)	O ft. (in Drap Law) O FM (Perzo Main) O Lib (Laterari)	C) OU four times ust	C RM (force Main) C FM (force Main) C LB (Lawn)
		REQUIRED	Oirection (94)	<u>=</u>		区 F			Out		50		o o o		Out		□ out
	ECTIONS		Clock Position (92)	9		^	7										
	PIPE CONNECTIONS		Pipe Number (91)	г		~	1										

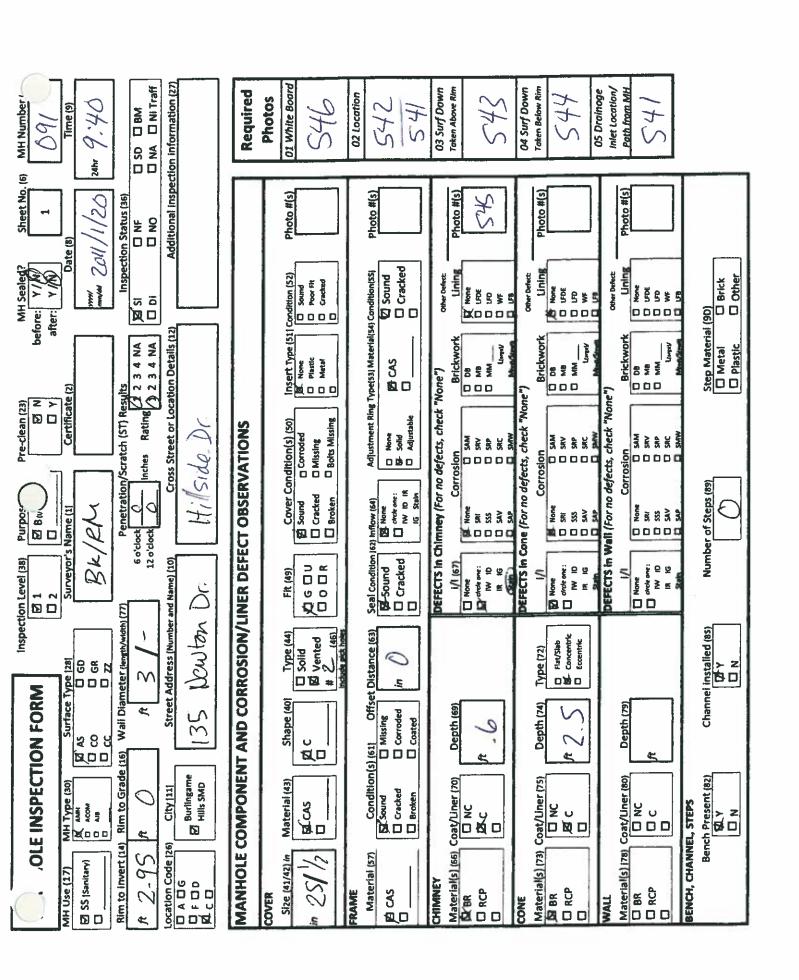


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te (8) Time (9) Time (9) (1) $1/2 U$ 24hr $9/5$ 10 Status (36) 0 NA 0 NI Traff 0 NO 0 NA 0 NI Traff 0 NI Traff 0	Required Photos 01 White Board \$324 02 Location 03 Surf Down Taten Above Rim \$52.8	Od Surf Down Taken Below Rim S.2.9 OS Drainage Inlet Location/ Path from MH S.3.2.2
Sheet No. (6) Date (8) Lack Coll / / / 2 to Inspection Status (36) In No Additional Inspect	Photo #(s) S20 Photo #(s)	Photo #(s)
ter: Y/K	nsert Type (\$1) Condition (\$2) If None Sound Sound Sound	
Results Results 1 2 3 4 NA 1 2 3 4 NA Location Details	tion(s) (so) insert Type (ss) Condition (s2) Corroded Missing One and one of the Condition (ss) Condition (ss) One of the	k "None") Brickwork I D NB Lines/ Macking Brickwork O NB
Urpos Br. Br. Certificate (2) Certificate (2) Certificate (2) Certificate (3)	Cover Condition(s) (so) Cover Condition(s) (so) Cover Condition(s) (so) Cover Condition(s) (so) Cover Condition(s) (so) Cover Condition(s) (so) Broken	For no defects, checknown being the saw as a saw as a saw as a saw as a saw as a saw as a saw as a saw as a saw as a saw as a saw as as as as as as as as as as as as as
Level (38) P 1 2 2 Surveyor's Na Surveyor's Na 12 0 clos 6 0 clos 12 0 clos	NER DEFECT OBSERVATIONS Insert	DEFECTS in Cone (For no defects, check "None") Ji
	CORROSION/LINE e (40) Type (44) D Solid # 2 (46) # 2 (46) Offset Distance (63) Sea te ded in Open	th (79) Channel Installed (85)
COLE INSPECTION FORM WH Type (30) The control of the control of	Offset (40) Offset (40) orroded osted	Dept
ILE INSPECTIO MH Type (30) A ANN C	Material (43) S Condition (5) (61) C C C C C C C C C	73) Coat/Uner (75)
MH Use (17) S (Santary) C S (Santary) C S S S S S S S S S	MANHOLE COVER Size (41/42) in In ZS/ 1/2 FRAME Material (57) Kg CAS CHIMNEY Material(5) (66) CL BR CI RCP	CONE Material(s) (73) Coat/Une C C C C C C C C C C C C C C C C C C C

MH Numbe			Seal Condition	TOTAL PARTY	Punos *	C Defective	Par Sound		C Defective		D Sound	□ Defective		punos 🗆	n Defective			Sound	C Defective		punos n	C Defective		D Sound	D Defective
			Condition	(GC)	punos &	□ Defective	f Sound		C) Defective		Dunos 🗆	C Defective		D Sound	n Defective			Dunos n	C Defective		D Sound	🛚 Defective		D Sound	□ Defective
		OPTIONAL	Width (98)																						
		0	Diameter 1971			9	,	٧	1.0																
			Shape	G Grothe	Square O Arthed		G Chouler G Rectangular	Square O Arched		O Cheuler	Square	D C		O Seutre		- 1	O Chroden			October				Rectangular Square	
			Material	cým	3 4	× 00	0, 10 VC			L	: 8 £	2 Z			2 P S		en o		¥ ¥			2 E		5 8	3 G C
			Rim to invert	(5.2	,	- 0	3,15	-																
P ->			Special Condition (101)	OU four bree tool	IV (in Dray Up)	C FM (Ferze Mahn)	Off (One Ores Lee)	O IL (In Oraș Levi	C) FM (Force Main)	C OU (Our Ones Us)	IV (in the tip)	C FM (Force Mahr)	O OU love they they	C) Ot four Ores Low!	C It in Oraș Lawi	C) UB (Lateral)	O OU (Out Drop Use)	O IV (in bose by)	D FM (Force Make)	O OU rout bras Ust	U (In Orose Us)	O RM (Force Methy)	O OU four free lies	Of (On Drap Law)	D FM (Yeng Mah)
		REQUIRED	Direction (94)		हुं हो द			5 5 5			<u> </u>				500			ا 0 5			5			£ 0	
	CTIONS		Clock Position [92]		و			_											-						
	PIPE CONNECTIONS		Pipe Number (191)		7	-	ſ	7																	

] [}	[3]	٥	ard	5	Aim Aim	Rim Rim	on/ MH	
MH Number	7.25	O O BM	1 51 1	Required	Photos OI White Board S #0	02 Location	03 Surf Down Taken Above Rim	04 Surf Down Taken Below Rim	niet Location/ Path from MH	
	\ \ <u>\{\}</u>	8 8	S 3 3			T arm		la	la T	
Sheet No. (6)	1/20	Inspection Status (36)	lltional in:		Photo #(s)	Photo #(s)	Photo #(s)	Photo #(s)	Photo #(s)	
Sealed?	Date (8)	spection	Rocifs		52S)	ked (\$55)	uning Uning One FDE FD	Lining Lining For For	er Defect: Lining Jone FO FO FO FO FO FO FO FO FO FO FO FO FO	و بد
MH Sealed? before: Y (N) after: Y (N))seee	2			Condition (Condition County)	M Condition(55)	Uning Hope Control of the Control of	Uning Lining Controlled	4 6 162227	(90) Cl Bric
bef.		A N A	etails (12		insert Type (51) Condition (52) From Condition (52) From Condition (52) Sound Sound Descript Descrip	Adjustment Ring Type(53 Material(54) Condition(55 10 None 10 CAS 10 Caschell Cracket	e") Brickwork DS MB MM Longy	Brickwork DB MB MM	Brickwork D8 M8 MM Liberer/	Step Materiai (90) C Metal C Plastic Other
√ N (33)	Certificate (2)	Rating 17 3 4 NA	Cross Street or Location Details (12)			ing Type(53 Ma	DEFECTS in Chimney (For no defects, check "None")			800
Pre-clean (23)	Certiff	1 75	Street or La	TIONS	ndition(s) (so) Corroded Missing	Justment Ri None Solid Adjustable	efects, chec	DEFECTS in Cone (For no defects, check "None") 1/1 Corrosion Cor	DEFECTS in Wall (For no defects, check "None")	
		ition/Scrate	Cross S	ERVAT	l bi i		Corrosion	o defects, c	o defects, c	
	Name (1)	ock Penetra		T OBS	Cover C Sound Cracked	Inflow (64) M. None Checkone: N. 10 iR	mney (F	ne (Form	For ne	Number of Steps (89)
vei (38)	Surveyor's Name (1)	Pe 6 o'clock 12 o'clock	he) (10)	N/LINER DEFECT OBSERVATIONS	Fit (49)	Seal Condition (62) inflow (64) Sound Cracked Nov 10 In Nov 10 In Nov 10 In Stall	ECTS in Children	I/I I/I One inde one: RW ID	DEFECTS in W.	Numbe
inspection tevel (38)	<i>3</i>	#) (12)	er and Nar	/LINER			DEFECTS is			::
gsu <u>i</u>	(28) GD GR ZZ	Wall Diameter (tenethywdth) (77)	Street Address (Number and Name) (10)		Type (44) Solid Solid	tance (63)		Type (72) Distribution of the first of the		Channel installed (85)
RM	ace Type (28)	Diameter A	Seet Addi	CORR		9	69		<u></u>	annel Ing
OLE INSPECTION FORM	Surface 25 AS 0 CO 0 CC			AND	Shape (40)	Alssir orro	Depth (69)	Depth (74)	Depth (79)	5
PECTI		Rim to Grade (16)	City (11) Burlingame Hills SMD	ONEN	(43)	l sign			(80)	nt (82)
E INSI	MH Type (30)			COMP	Material (43)	Condition Sound	Cost/Uner (70)	Coat/Uner (75)	Coat/Uner (80)	NNNEL, STEPS Bench Present (82) (D) Y
٥,	5	Rim to invert (14)	Ocation Code (26)	MANHOLE COMPONENT AND CORROSIO	Size (41/42) in 25 1/2	AME Material (57) -CAS	3) (66	(5) (73)	WALL Material(s) (78) CD BR CD RCP	BENCH, CHANNEL, STEPS Bench Presen
	MH Use (17)	Rim to i	Location Co	MAN	Size (4	FRAME Mate	CHIMNEY Material Material M BR	CONE Materia 致 BR	WALL Materia D BR	BENCH

MH Number			Seal Condition (101)	A Sound	Sound	☐ Defective	punos 🗆	☐ Defective	D Sound	□ Defective	D Sound	© Defective	punos 🛭	□ Defective	punos 🛭	O Defective
			Condition (99)	d'Sound © Defective	W.Sound	C Defective	D Sound	□ Defective	D Sound	□ Defective	D Sound	O Defective	D Sound	□ Defective	D Sound	□ Defective
		OPTIONAL	Width (98) inches													-
			Diameter (97)	9		٥				·						
			Shape (96)	G Orother C Square C Arthed	O Chroder C Actoropaler Source		C Chrollar C Rectangular C Squere	Padpag D	G Chostan G Rectangular G Square		C Chroder C Rectangular C Square	O Arched	C Creater C Rectangular C Square	O Arched	Jephiles C	Archaed
			Material (95)	បស្ដេចច ភូទ្និភ័ន្ត ភូទ្ធិ	0 to 20	2 Z Z	5 \$ 3 5 \$ 3		553		000 8 \$ 3		ł	000 % K	9 0 D	
			Rim to invert (93)	3.55	\chi_{\chi_{\chi}}											
			Special Condition (101)	OV (tout three tue) OV (tout three tue) OV (tout three tue) OV (the three tue) OV (the three tue) OV (the three tue)	C OV (Out Ones Les) C O'L (Out Ones Les) C I'L (in Days Les)	C II. (In Ores Levi) C FM (Force Main) C) Lib (Literati)	C OU (Our one use)	O 11 (in thrus law) O FM (force Make) O LB (Laverel)	C OU loss bres use C OL loss bres bres C IU (ss pres use)	C) fl. (in Drop Lew) C) FM (Perce Make) C) LB (Leterni)	C) OU (Ose Dres Less) C) IV (in Dres Les)	C If (in Ores Lew) C PM (Perce Main) C LS (Letered)	C OU (the bree ties)	O 14 (in Drap Law) O FM (Farce Male) O LB (Letterel)	C OU four bres test C OL four bres test C OL four bres test	O IL Din Dray Low) O FM (Yours Main) O LB (Laterni)
		REQUIRED	Direction (94)	☐ [3] O St	E DA		E .	- 1	E C			Out	n:		<u> </u>	
	ECTIONS		Clock Position (92)	9		16										
	PIPE CONNECTIONS	1 h	Pipe Number (91)	H	1	1										



MH Number Seal Condition Defective O Defective Defective Defective O Defective Defective □ Defective (101)M Sound D Sound D Sound Z Sound Sound Sound Dunos D 0 Condition Defective O Defective Defective O Defective O Defective O Defective O Defective D Sound 6 **Sound** Punos pa D Sound Dound D D Sound D Sound Width (98) OPTIONAL Diameter (97) Inches 2 9 Chroder Rectorgadar Square Anthed Croster Rectangular Square Arched Orouter Rectangular Square Anthed Circular Rectangular Square Arched Chouler Rectangular Square Arched Rectangular Square Arched Rectangular Shape 96 0 0 0 0 00000 00000 **Material** \$ \$ 3 3 4 5 000000 55845 1 \$ \$ 3 × ¥ \$ \$ 3 3 4 5 高水品の大 23255 7 8 8 8 8 X 00000 000000 00000 00000 00000 Rim to invert (93) S 290 6 2 Condition (101)

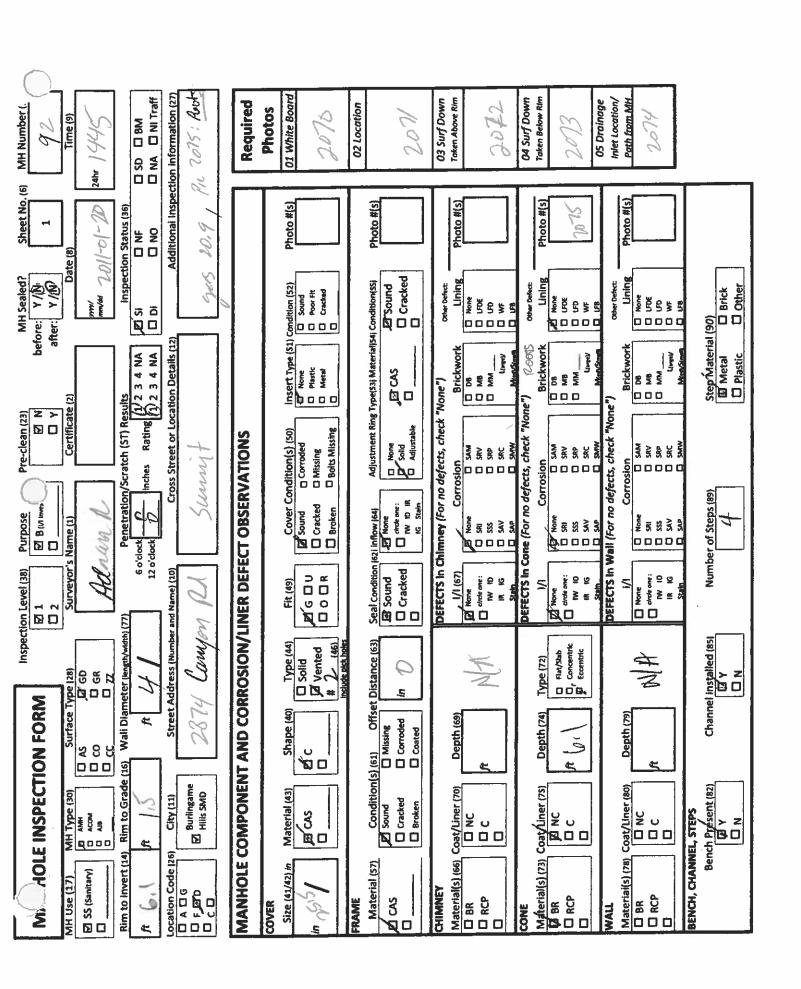
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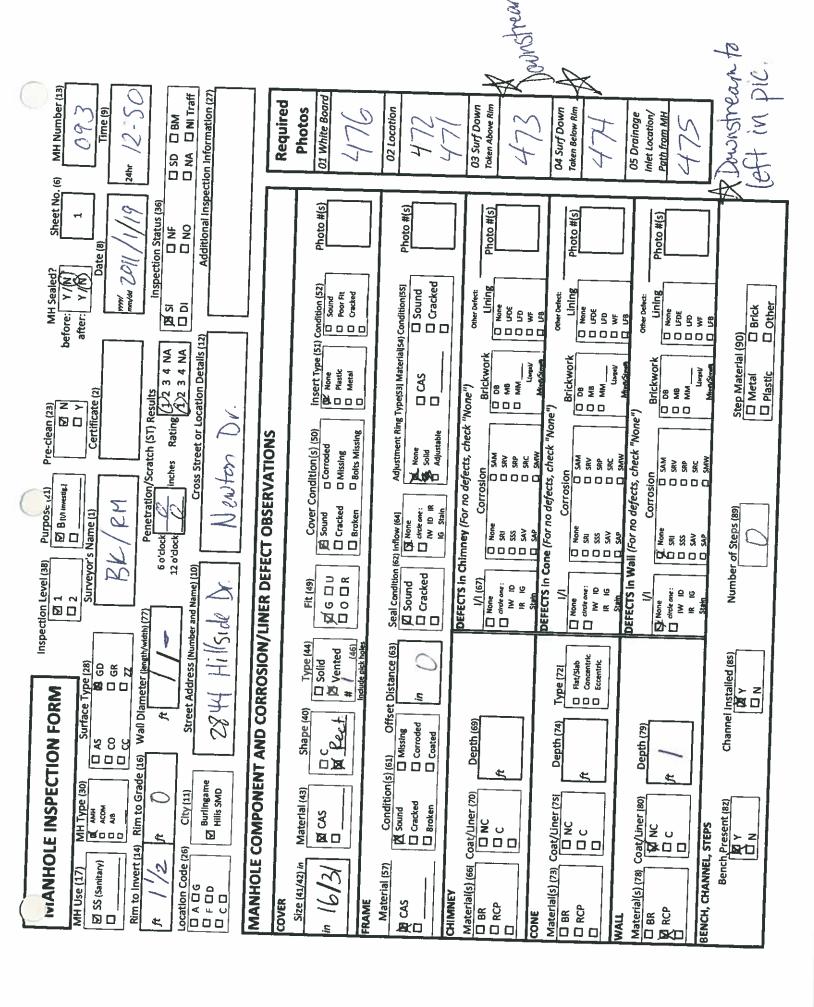
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U (It to top top) Special REQUIRED Direction 드 ₽ 5 0 0 = 5 0 0 = 8 = 0 <u>선</u>미 후 9 = 5 = 0 면 드 호 호 98 Clock Position PIPE CONNECTIONS 2 (92) 9 Pipe Number (16) N



<u> </u>										
MH Number			Seal Condition	D Sound	(a Sound	β¹ Sound □ Defective	Sound Defective	Sound Defective	علام Sound الم	G Sound Defective
			Condition (99)	D'Sound	DSound Defective	ば Sound ロ Defective	Sound D Defective	□ Sound △ Defective	□ Sound ∯ Defective	D Sound Defective
		OPTIONAL	Width (98)							
			Diameter (97)	90	30	2	90	-0	2	
10 × 4			Shape (96)		D' Crouter D' Crouter D' Square D Arched	© Rectangular Square Archad	Constant	AD Chrosier C Square C Arched		Creater C Rectangular C Square C Arched
st t			Materiai (95)	00000 \$\$\$ \$\$	5	ក្នុងខ្លួងដូ	5 5 8 8 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	្នាញី១០១០ ទិន្ននិគន្ត	<u>១៦</u> ០០០០ ភូទិនិកន្ត	55355
R			Rim to invert (93)	7)	9.9	El	2.9	67	7	
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	ECTIONS		Clock Position (92)	9	6	etti lingunet Viiteliinin maga		2	7	
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MH Number			Seal Condition (101)	punos di	D Delective	bunos 🕱	C Defective	punos 🖸	□ Defective	punos 🗆	☐ Defective	punos a	□ Defective	D Sound	☐ Defective	punos 🛭	□ Defective
			Condition (99)	Sound	Delective	punos p	C) Defective	D Sound	C Defective	D Sound	C Defective	D Sound	□ Defective	punos 🗆	□ Defective	D Sound	□ Defective
		OPTIONAL	Width 198)										,				
			Diameter (97)	2	1	1	9										
			Shape (96)	AD Chrosier C Recongular Square Arched	0	C Chrolier C Chrolier C Chrolier C Chrolier		Coroder Coroder Coroder Coroder		Circular Circular Circular Circular	O Arthed	Circular Rectangular Contare		Chroder Chroder Chroder	- Arched	Circular	Page 1
2			Material (95)	១ ៥ ១១១ ភូមិន្តិនិត្		5 \$ 3		⊕	3	553	2 × ×	\$ \$ \$	3 7 X	5 \$ 3	2 ¥ ¥		3 4 5
			Rim to invert (93)	1.5		5	<u>`</u>								·		
₩n ->			Special Condition (101)	COU (out brop Up) COL (but brop Up) CUL (ht brop Up) CUL (ht brop Up) CUL (ht brop Up)	LI FINI (FONCE MEM)	OV (out Ores Up) Of (out Ores Low) If (in Ores Up)	It (in Drop Low)	OU jour bray up) Of lost bray tawl	O It th Grop Law) O FM (Force Main)	OU (Out Drop Up) OL (Out Drop Up) Ol (Out Drop Up)	It (in Drop tow) FM (Force Main) LB (Leteral)	OU (Out throp tips) Of (Out throp tips)	C II. (in Drop Low) C FM (Force Main)	OU (Out Drop Up) OI (Out Drop Low) U (In fin Orop Up)	It, the Drops Lower FMA (Forces Mades) Lis (Lessens)	OU (Out Duep Lie)	C IL (in Orop Law) FM (Perca Main)
		REQUIRED	Direction (94)	☐ in ☑ Out		u l I			□ Ont		D Oct	. <u>s</u>	D Oct	<u>=</u>			5 0 10
	ECTIONS		Clock Position (92)	9		· (16										
NS .	PIPE CONNECTIONS		Pipe Number (91)	1			7										

(6) MH Number (1.5)	24hr/2'/5	OSD OBM			Required	Photos 01 White Board	02 Location	594	Old Gurf Down	Token Above Rim	Od Surf Down	Taken Below Rim	05 Drainage inlet Location/	Path from MH		
Sheet No. (6)	11/19	Inspection Status (36)	dditional inspe			Photo #(s)		Photo #(5)		Photo #(s) 468		Photo #(s)		Photo #(s)		
MH Sealed? before: Y/M after: Y/M Date (8)	mm/54 2011	S C				Insert Type (51) Condition (52) Or None Plastic Metal Cracked		Adjustment Ring Type(53) Material(54) Condition(155)	Other Pafest	Work		19 000	1 8	LANCK LINING		Step Material (90) Metal Brick Plastic Orther
Pre-clean (23) EN N N Certificate (2)		th (ST) Resuits 1 2 3 4 Rating 1 2 3 4	Cross Street or Location Details (12) 2	SNS				Solid CAS Adjustable	. check "None")	B M M	ck "None")	B M M	ck "None")	000	4	Step Mater O Metal
Purpos	/RM	o'clock	N	ION/LINER DEFECT OBSERVATIONS		Cover Condition(s) (50) Sound Corroded Cracked Missing			DEFECTS in Chimney (For no defects, check "None")	Corrosion None SAW SSS SRP SSS SRP SAV CAP CAP	Forn	Corrosion KL None SAM SSS SSSV SSS SSSV SAV SAV	o v	None SAM SAP	Number of Steps (89)	
Inspection Level (38)	8		35 Fire Dept. Hillson	/LINER DEF		Fit (49)		Seal Condition (62) Inflow (64) Sound Sound Cracked With 10	DEFECTS in (1/1 (67) None	DEFECTS In O	I/I Mone dribe one: TW ID IR IG	DEFECTS In V	Orde one:	Stein	
(S) (S) (S) (S) (S) (S) (S) (S) (S) (S)	SO D GR	3/-	The Address India	ORROSION		Type (44) Solid Vented # 2 (46)		Waser Distance (63) Red in O				Type (72)				Channel installed iss) 译文 (
Surfac			#	NT AND CO		Shape (40)		lissir orro	;	Depth (69)	-	Depth (74)	Depth (79)	#		Channe
_ _	L C Acom		D	MANHOLE COMPONENT AND CORROS		Material (43)		Cacked C	94.0	C C C C C C C C C C C C C C C C C C C		Coavuner (75)	Coat/Liner (BO)	χ ο ο ο	EL, STEPS	Bench Present (82)
MH Use (17)	Rim to invert (14)	ft 3.35	M 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	MANHOLE	COVER	Size (41/42) in 25/1/2	FRAME Material (cz)	g cas	CHIMNEY Materialis	RCP	CONE Material(c) (72)	P	la((s) (78į	£ 2	BENCH, CHANNEL, STEPS	8en

MH Number Seal Condition □ Defective (101)□ Defective □ Defective □ Defective □ Defective Defective C Defective K Sound Sound Sound Sound D Sound Sound Sound Sound Condition C Defective □ Defective C Defective □ Defective □ Defective □ Defective ☐ Defective Sound Sound Sound Dunos D D Sound D Sound D Sound Width (98) Inches OPTIONAL Diameter (97) Rectangular Square Rectangular Square Arched Rectangular Square Arched Rectangular Square Arched Circular Rectangular Square Arched OK. Circular O Rectangul O Square Rectangular Shape (961 Chrouler Square 0000 00000 00000 00000 00000 Material opiacoa \$\$\$\$\$ 5 3 3 x X 5 3 3 4 X 5 5 3 4 5 5 5 5 5 5 \$ \$ \$ \$ \$ \$ \$ \$ 3 ¥ X 5 5 3 4 5 000000 00000 00000 00000 Rim to Invert (93) \Diamond 336 S 3 5 3 O U (out brop up)
O U (out brop up)
O U (out brop up)
I (in brop up)
O II (in brop up) OL (out brap tow)
O II (in brop Lpt)
O II (in brop Lpm)
O FM (force Main) Special O UB (Laterar) O 1U (in Drop Up)
O IL (in Drop Low)
O FM (Force Main) REQUIRED Direction ᅙᄚ o o o o o D Court ğ = (34) 드 = 0 0 = 0 ğ <u>-</u> Clock Position PIPE CONNECTIONS (92) 9 φ Pipe Number (91) S....................... N

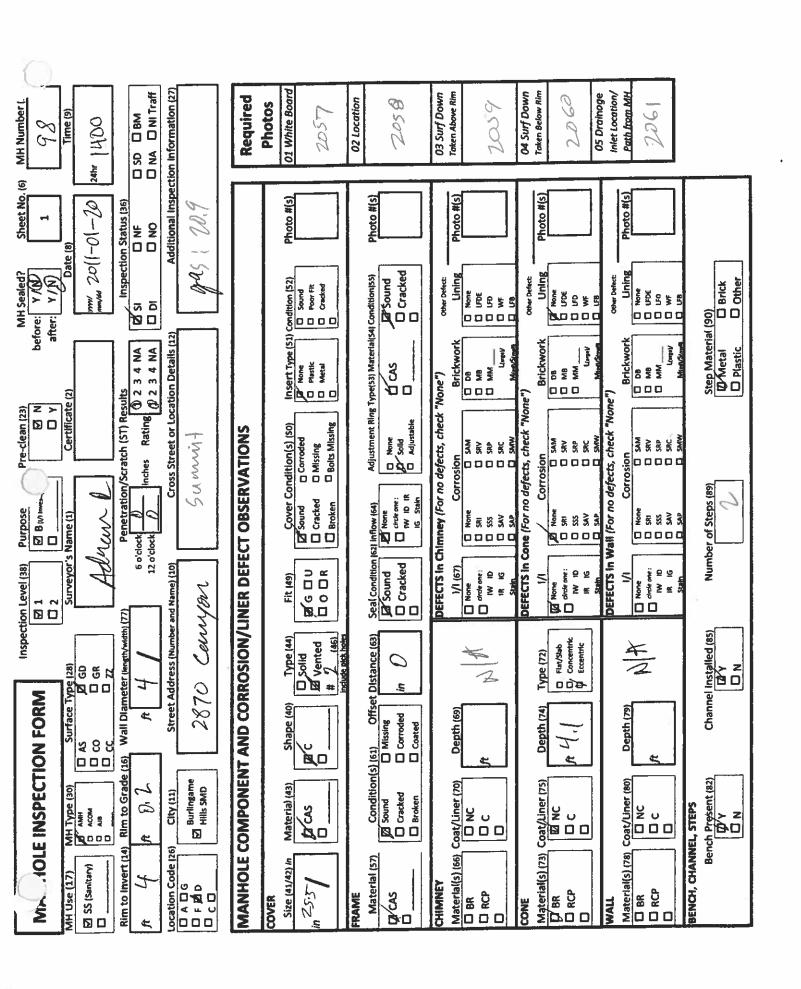
O9S	24hr 8:45		O SO U BM	Additional inspection information (27)	Position	Photos	01 White Board	925	02 Location	5119	03 Surf Down	Taken Above Rim	Od Surf Down	Taken Below Rim	618	05 Drainage Inlet Location/	Path from MH		
Sheet No. (6)	1/20	(36)	NO D	dditlonal inspect			Photo #(s)			9hoto #(s) 52 (Photo #(s) 524		Photo #(s)			Photo #(s)		
MH Sealed? before: Y/60 after: Y/8)	32 []	Inspection	⊼ [],8				Condition (52)	Cracked		Cracked Crac	Other Defect:	Lining None	5 5	Lining	2 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Other Defect:	Uning O None O U-D C U-D U-D U-D U-D U-D U-D U-D U-D U-D U-D		(90)
ه 		sults	Rating (0 2 3 4 NA	Cross Street or Location Details (12)			insert Type (51) Condition (52)	Plastic		Adjustment king type(53) Material(54) Condition(55) None	"None")	Brickwork	Month Mark Sund	Brickwork	D NB	ne")	Brickwork		Step Material (90) Charles Brick Charlestic Cherer
Pre-clean (23)	Certificate (2)	Penetration/Scratch (ST) Results	Inches Rating	4.18 ide D	OBSERVATIONS		Cover Condition(s) (50)	O Missing		Adjustment Rin	DEFECTS in Chimney (For no defects, check "None")	Corrosion Cl sam Cl sav	DEPENS in Cone (For no defects, check "None")	Corrosion	00001 W 5 5 5 5	DEFECTS in Wall (For no defects, check "None")	Corrosion SAM SRV SRV SRP		
Purpor	Surveyor's Name (1) [Sk/RW]	Penetration	12 o'dock	Hi	ECT OBSER		Cover Co	Cracked		Seal Condition (s2) inflow (s4) Sound None State one: K round None State one: K round None State one: State	Chimney (For n		Cone (For no de	8		Wall (For no de	S		Number of Steps (89)
Inspection Level (38)	Surveyor		\	ber and Name) (10	ON/LINER DEFECT						DEFECTS In	1/1 (67) Mone DEFENS	2	None State one:	DEFECTS (n	None order one:	-7		
	Surface Type [28] 5 C G G 5 C G GR 5 C G GR 6 C G C	Wall Diameter (Imprh/wdth) (77)	3/	Street Address (Number and Name) (10)			(0) Type (44)	# 2 (46)		and in Ostance (63)		al		1 Type (72)	G Flat/Slab				Channel installed (85)
TION FO	1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	-	*		ENT AND C			90		Condition(s) (61) OTT. Sound Missing Cracked Corroded Broken Coated		Depth (69)		S) Depth (74)	#2.6S		O Depth (79)		
OLE INSPECTION FORM	MH Type (30)	14) Rim to Grade (16)	O # <	26) City (11) Burlingame Thils SMD	MANHOLE COMPONENT AND CORROS		_	3 0		8 00		S Coat/Uner (70)		3) Coat/Liner (75)	N N		Material(s) (78) Coat/Liner (80)	INEL, STEPS	Bench Present (82)
O,	MH Use (17) S S [Sanitary)	Rim to invert (14)	# 3.05	Location Code [26]	MANHOL	S COVED	Size (41/42) In	in 251/2	FRAME	XZ CAS	CHIMINEY	Material(s) (66) X BR C RCP	CONE	Material(s) (73)	2 D D	WALL	Material(s) (7)	BENCH, CHANNEL, STEPS	₩

K/N

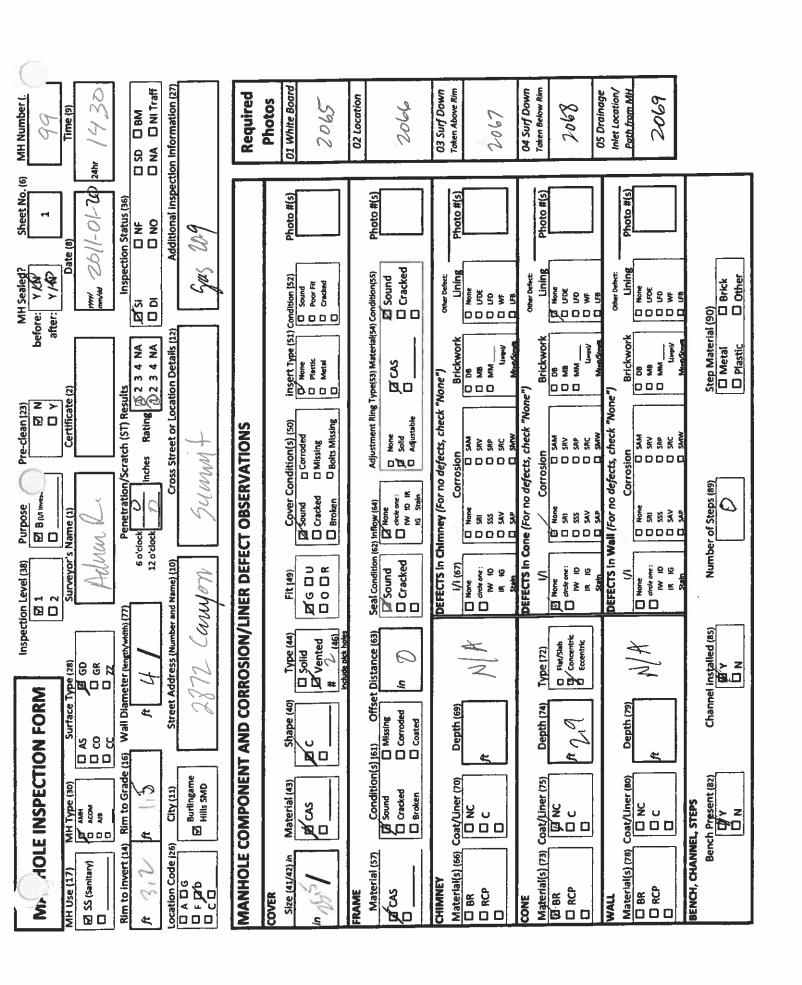
MH Numbe			Seal Condition	M Sound	D Defective	S County	Defective		punos 🗅	D Defective		punos o	□ Defective	t	punos o	□ Defective		D Sound	□ Defective		punos D	□ Defective
			Condition (99)	Ø Sound	O Defective	Sound	□ Defective		D Sound	Defective		punos o	c) Defective	7	Dunos O	□ Defective		D Sound	a Defective		D Sound	□ Defective
		OPTIONAL	Width (98)																			
		0	Diameter (97) inches	•	9	`	<u></u>															
			Shape (96)	Orcular Chroder Chroder Chroder Chrome	Vehicle C	G. Chruter D. Rectargular	Square	O Oroster	G Rectangular		O Chouler			Cheuter	Square	Parther C		O Square	Arched	O Chadar	Name of the last	
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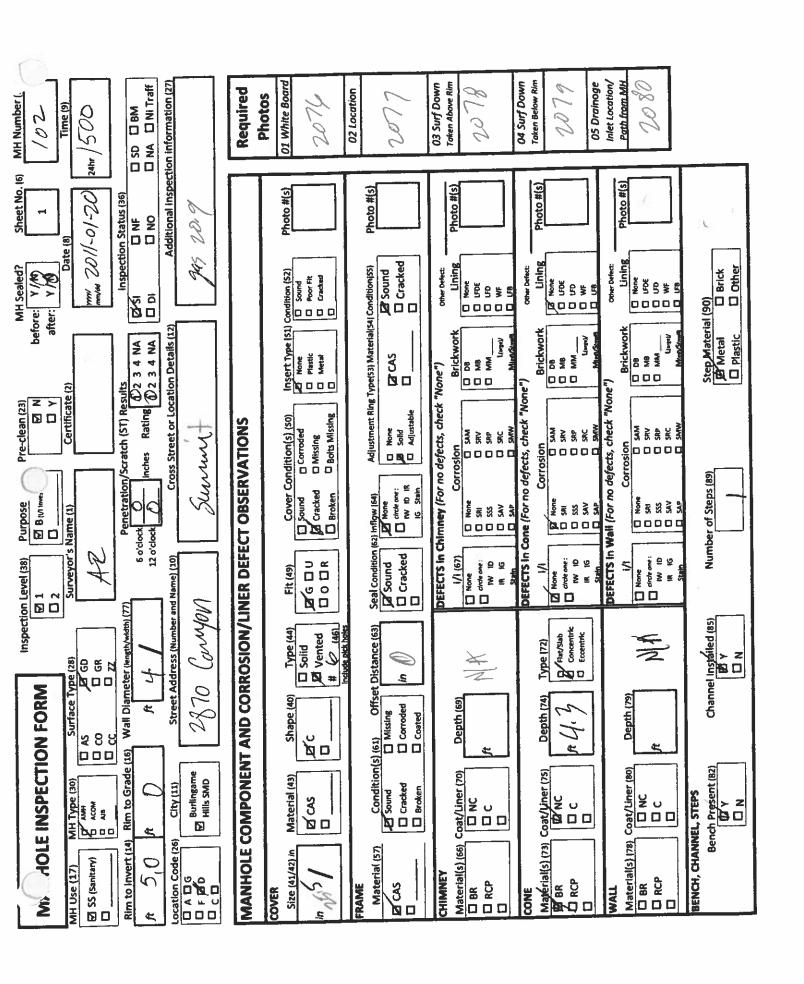


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MANHOLE INSPECTION FORM		Acom CO CO CO CO CC CC CC CC CC CC CC CC CC	Rim to Grade (16)) City (11)	Burlingame Hiiis SMD		MANHOLE COMPONENT AND CORROSI				AIN	S	Cracked C.C. Broken C.C.		L	L NC		L	, C		L	# D D	L, STEPS	Bench Present (82)	
MANHOL	MH Use (17)	ا ج	Rim to Invert (14)	# 11/4	Location Code (26)			MANHOLE (COVER DIT	Size (41/42) in:	in	FRAME	Material (57)	0 C&S	CHIMINEY	jal(s) (66		CONE	Material(s) (73) Coat/Liner (75)	RCP	WALL	Material(s) (78) C		BENCH, CHANNEL, STEPS	Benc	



MH Number Seal Condition 20 □ Defective Defective □ Defective □ Defective □ Defective □ Defective □ Defective (101) punos pr Punos D Sound Sound D Sound Dunos d Punos T Condition □ Defective Defective □ Defective Defective p.Defective Defective □ Defective D Sound Sound Desound Pasound D Sound D Sound D Sound Width 198) OPTIONAL Diameter (97) 90 Chroler Recomputer Square Anthed Rectangular Square Arthed Rectangular Square Arthod Chruder Rectangular Square Arched Circular Rectangular Square Arched Orcular Rectangular Square Arched Orcular Rectangular Square Arched Shape (96) 0000 0000 00000 00000 0000 000 Material 26225 00000 25255 5835 | \$ \$ \$ \$ ¥ \$ 55315 2888 3888 3 6 3 4 5 8 00000 00000 00000 Rim to Invert 00 12 (93) 48 5 Condition (101) | La (Lutera)
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| Inspection Level 138) Purpose Pre-clean (23) MH Sealed? Sheet No. 16) MH Number (1) | 1 25 65 | Wall Diameter (length/width) (77) Penetration/Scratch (5T) Results Inspect Cociock Street Address (Number and Name) (10) Cross Street or Location Details (12) Additional inspection Information (27) La Que Star Dr. | NT AND CORROSION/LINER DEFECT OBSERVATIONS Required | Fit (49) Cover Condition(s) ISO) Insert Type (51) Condition (52) Photo #(5) 0. Cover Condition(s) ISO) Insert Type (51) Condition (52) Photo #(5) 0. Cover Condition(s) ISO) Insert Type (51) Condition (52) Photo #(5) 0. | Induce pith holes Seal Condition (62) Inflow (64) Adjustment Ring Seal Condition (62) Inflow (64) Adjustment Ring Seal Condition (62) Inflow (64) Adjustment Ring Seal Sound Cracked Control of Stain Adjustable Adjust | Depth (69) I/I (67) Corrosion Brickwork and bove Rim and bove | in Cone (For no defects, check "None") Corrosion G None C San Sav Sav Sav Sav Sav Sav Sav | DEFECTS in Wall (For no defects, check "None") John |
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| OLE INSPECTION FORM | MH Use (17) MH Type 130) Surface Type (28) Soft Sanitaryt Common | Rim to Grade (16) W. | Coation Code (26) City (11) Street Address (Page 19) City (11) Street Address (Page 19) City (11) MANHOLE COMPONENT AND CORROSIO | lape (40) | | CHIMMEY Material(s) (66) D BR D BR D C Coat/Liner (70) D C C COAT/Liner (70) D C C C C C C C C C C C C C C C C C C | pth (74) | WALL Material(s) (781 Coat/Liner (80) Depth (79) □ BR □ NC □ RCP □ C |

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aled? Date (8) 1 Inspection Status (36) CD NO Additional Inspecti	Photo #(s)	Photo #(s)	Photo #(s)	Photo #(s)	Photo #(s)	
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MH Number			Seal Condition (101)	Sound Defective	Sound Defective	K Sound	□ Sound □ Defective	□ Sound □ Defective	D Sound	□ Sound □ Defective
			Condition (99)	■ Sound □ Defective	A Sound	X Sound □ Defective	□ Sound	☐ Sound ☐ Defective	□ Sound	© Sound
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			Material (95)	0 490000 \$\$\$8 4 ₹	094 0000 \$\$ 3 8 ₹	2	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	5 5 8 5 5	5 5 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	AC COS AC AC COS AC COS AC AC COS AC AC AC COS AC AC AC AC AC AC AC AC AC AC AC AC AC
m -	1		Rim to Invert (93)	2013	7.55	5.05				:
			Special Condition (101)	OU four those uses OU (four bress Leve) I (in bress Leve) I (in bress Leve) FM Honces Main)	OU four those used	OU four three use) OU (four three test) OU (four three test) OU (in free test) OU (in free test) OU (four three test) OU (further test)	OU (Out One Une) OU (Out Drap Lew!) U (In Drap Lew!) U (in Drap Lew!) FM Honey Lew!	OU (Dort Drop Louf OU (Dort Drop Low) UI (In Drop Low) UI (In Drop Low) UI (An Drop Low) UI (An Drop Low) UI (An Drop Low) UI (An Drop Low)	Ou four thee up(Ou four thee up(Ou four thee they) Ou for thee they Ou fur the thee they Ou fur fur the thee they Ou fur fur the the they Ou fur fur the they	○ OU (Out Drop lip! ○ I. (Out Brop low! ○ II. (In Brop lip) ○ II. (In Brop low! ○ FM1Forra Main)
		REQUIRED	Direction (94)	EG CI Out	- DK - Out	in (b)	O out	n o or	0 in 0 out	
	ECTIONS		Clock Position (92[9	0	77				
SKE A	PIPE CONNECTIONS		Pipe Number (91)	1	2	\sim				

(6) MH Number (1:	Time (9)	O SD O BM		Required	Photos 01 White Boord	32.22	03 Surf Down Token Above Rim \$ 224	04 Surf Down Taken Below Rim	Us Drainage Inlet Location/ Path from MH S 2 7	
Sheet No. (6)	(1)////	Inspection Status (36)	dditional Insp		Photo #(s)	Photo #(s) 326	Photo #(s)	Photo #(s)	Photo #(s)	
MH Sealed?	1 1 2 2	Inspection 4 NA			Insert Type (51) Condition (52) None	teriai(54) Con	vork Lining Coher Defect: , 0000C	* 00000	(ai (90)	
an (23)	Certificate 2)	m m	Cross Street or Location Details (12)	S	-===	TRING TYPE(53) Mar	Brickwork	i <u>r</u> 8 8 8 3	"	Step Mater Metal
Purpose (Caran (23)		Penetration/Scratch (ST) Results ock 0	Ca CiveSta	N/LINER DEFECT OBSERVATIONS	Cover Condition(s) (so) Gover Condition(s) (so) Government Gove		DEFECTS in Chimney (For no defects, check "None")	For no defects, Corrosion None SRI SSS SSS SAS	For no defect Corros sal ssas sav	Number of Steps (89)
Inspection Level (38)		6 o'clock 12 o'clock	umber and Name) (10)	INER DEFE	Fit (49)	일 S C	DEFECTS in Chi i/i (67) None by orde one: iw in is is is is	DEFECTS In Cor	DEFECTS in Wa	Number
	Surface Type (28)	Wall Dlameter (length/width) (77)	Address (N			# # T	6	Type (72) Flat/Siab Concentric Exconentric	<u>s</u>	Channel Installed (8s) 首 Y 口 N
MANAHOLE INSPECTION FORM	8000		2	COMPONENT AND CORROSIO	43) Shape (40)	on(s) (61) Missir	70) Depth (69)	75) Depth (74)	80) Depth (79)	
OLE INSPI	MH Type (30)	(14) Rim to Grade (16)	(26) Cfty (11) Burlingame Hills SMD		Material [43]		6) Coat/Liner (70)	Coat/Liner 75)	8) Coat/Liner (80)	NNEL, STEPS Bench Presenti82)
Made	MH Use (17) S (Sanitary)	Rim to invert (14)	Location Code (26)	MANHOLE	COVER Size (41/42) in in 22/3/4	FRAME Material (57)	CHIMNEY Materiai(s) (66) K BR C RCP	CONE Materiai(s) (73) Materiai(s) (73) Materiai(s) (73) Materiai(s) (73)	WALL Material(s) (78) D BR C RCP	BENCH, CHANNEL, STEPS Bench Preser
									8	

MH Number			Seai Condition (101)	punos 5	□ Defective	bruos A	□ Defective	punos 🗲	□ Defective	punos A	□ Defective	punos 🗅	□ Defective	D Sound	☐ Defective	D Sound	□ Defective
			Condition (99)	punos pa	□ Defective	punos g	□ Defective	bunos po	□ Defective	bunos p	□ Defective	D Sound	□ Defective	D Sound	□ Defective	D Sound	□ Defective
		OPTIONAL	Width (98)														
			Diameter (97) inches	Ø	0	- /	0	C	9	_	e						
1			Shape (96)	Chroular Chrongular Chronic Chron		G Circular Rectangular Square	O Arched	G Chrosian Rectangular Square		QC Circular Rectangular Square	O Arched	Circular Circular Circular Circular Circular	O Arched	Circular Rectangular Square		Croular Rectangular	Arched
2			Materia((95)	0 29 √ 10 €		0 40 C	2 × 0	0 18 0 0 00 0 00	2 Y	5 5 3		000 5 6 8		000 \$ \$ \$			3 % \$
1			Rim to invert (93)	1 h)	7 7	- / - 0	51 B	1,61	l	7.5>						
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2		REQUIRED	Direction (94)	= C		海			یا	ul_ B		비		u _l 🗆			Out
	ECTIONS		Clock Position (92)	9		0	\		77	<u> </u>	\cap		:				
SKL_H	PIPE CONNECTIONS		Pipe Number (91)	rel		0	J	ſ)	//	/						

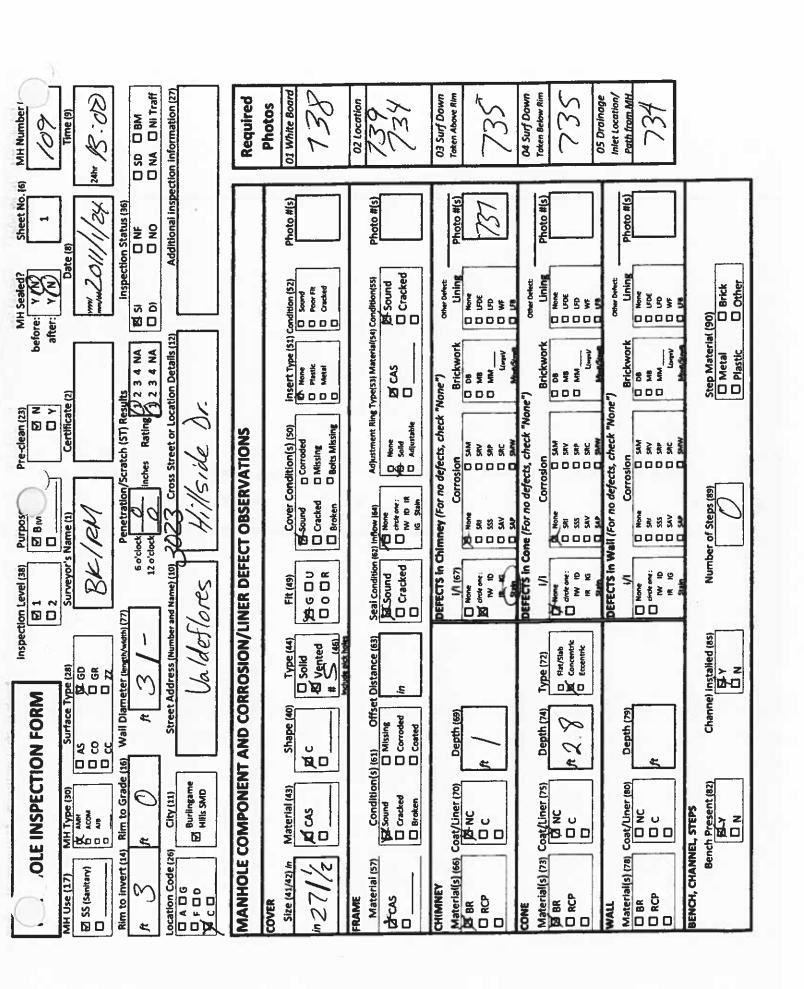
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te (8) Time (9) Time (9) Time (9) Time (9) Time (9) Time (9) Ton Status (36)	Required	Photos 01 White Board	2747	03 Suf Down Taken Above Rim	Od Surf Down Token Below Rim	niet Location/ Path from MH	
Additional inspect)		Photo #(s)	Photo #(s)	Photo #(s)	Photo #(s)	Photo #(s)	
MH Sealed? Ore: Y (XV) The sealed? Inspect Inspect Inspect		MSert Type (51) Condition (52) M None	S4 Condition SS	Other Defect: Lining Lining Defect: Lining Output Defect: Defe	Other Defect: Lining To Know Lining Lining Lining Lining Lining Lining Lining	00000	a) (90) Brick Other
3 4 NA 3 4 NA n Details			Adjustment Ring Type(53) Material(54) Condition 55	ck "None") Brickwork	"None") Brickwork Brickwork Brickwork Brickwork Brickwork	L [®]	Step Material (90)
Pre-clean (23) B BIA Invente, B BIA Invente, Certificate (2)	OBSERVATIONS	Cover Condition(s) (so) Sound □ Corroded Cracked □ Missing Broken □ Bolts Missing	≝ s	DEFECTS In Chimney (For no defects, check "None")		DEFECTS in Wal) (For no defects, check "None") j Corrosion	(88)
	LINER DEFECT OBS	1000	Seal Condition (s2) Inflow (s4) K Sound Cacked Cracked No IR	(67) (67) (67) (6 None (60) (60) (60) (60) (60) (60) (60) (60)	Cone (For no		Number of Steps (89)
		Type (44) Solid Vented 7 (45) C □ U C □ R Fit (49) C □ U C □ U C □ R		DEFECTS In 1/1 (67)		DEFECTS in 1/3 1	
N FORM Surface Type (28) Surfa	MANHOLE COMPONENT AND CORROSION/	Shape 140) Type (44) C Solid Solid # 7 (46) Adduce pick holes	#\$et	Depth (69)	Depth (74) Type (72) Type (72)	Depth (79)	Channel Installed (85)
MALANHOLE INSPECTION FORM IH Use (17) Surface Type (30) Surface Type (30) Acon Constitution of the Con	PONENT AN	(43)	Condition(s) (61) Off Sound Missing Cracked Corroded Broken Coated		\&	r (80)	ent (82)
MALUSE (17) MH Use (17) MH Use (17) MH Ty S SS (Sanitary) MH Ty Acc C Acc Acc Acc Acc Acc Acc A	HOLE COM		rial (57 <u>1</u>	CHIMNEY Material(s) (66) Coat/Liner (70) RR BR	al(s) (73) Coat/Liner (75)	al(s) (78) Coat/Liner (80)	BENCH, CHANNEL, STEPS Bench Present (82)
Mh. Use (17) MH Use (17) S S Sanitary) Rim to Invert O S S S Sanitary	MAN	Size (41/42) in in 27/3/4	FRAME Mate ZI CAS	CHIMNEY Material(Ø BR D RCP	CONE Material(s) (73) ZX BR C RCP	WALL Material(s) (78) BR CRCP	BENCH,

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MH Number				مونيالمين ادمي	(101)	K Sound	□ Defective	Sound	□ Defective	Sound	□ Defective			5	Defective			□ Defective	D Sound	□ Defective
				Condition	(66)	M Sound	□ Defective	M Sound	□ Defective	\$6-Sound	□ Defective	D Sound	□ Defective	D Sound	□ Defective	Period		Delective	Dound 🗆	□ Defective
				Width 1981	inches										M					
				Diameter (97)	inches	9			0	7	_									
R	2			Shape	(96)	O Square		G Circular C Rectangular C Square C Arched		Chroler Consered		Circular C Rectangular	Ardred C	Chroder C Rectangular Country		O Chroder C Rectangular	D Arched	Croster	O Rectangular O Square	
				Σ	(98)	5 5 2 4	ž	្រុង ភូទូទូន		្សា ភូទូទូទុ		2 0 0 0	2 E	000 \$ \$ \$	000 8 §		3 2 %		\$ 3 4	
8				Eig.	(6)	425		4.15	-	5/ h	1:12									
12,				Special	CONTUNITION 1101	OL Out Drop Low) O IU (in Drop Low) O IL (in Drop Low)	() The (note Man)	OU JOHN Drop Law) I U (in Drop Law) II (in Drop Law)	LJ HW (Force Mahn) LJ LB (Lateral)	COLIDAT Drop Up) COLIDAT Drop Low) COLIDAT Drop Up) COLIC Roop Up)	C) FM (Force Main) C) LB (Leteral)	CO (Out Drop Low) CO (Out Drop Low) CO 12 (in Drop Up)	O IL (in Drop Low) O FM (Force Main) O LB (Leteral)	C) OU (Dut Drop Up) C) OL (Dut Drop Low) C) IU (in Drop Up)	U IL IIn Drop Low) FM (Force Main) U B (Lateral)	COL (Out Drop Up) COL (Out Drop Low) COL (Unit Drop Up)	It (In Oraș Low) PM (Forze Main)	OU (out bross Up)	CI OL (Out Drop Law) CI IU (in Drop Up) CI L (in Drop Law)	J FM (Force Muln) 1.18 (Laterar)
			REQUIRED	Direction	ı	□ ☑ Out		□ Br □ Out		o D E	- 1	<u>.</u>	- 1	<u> </u>	- 1				. č	- 1
		JECTIONS		Clock Position		ø		0/		2/		-					<u>-</u> -			
8		PIPE CONNECTIONS		Pipe Number (91)		₽		~		\wp										

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te (8) 1	Required	Photos 01 White Board 440	22 Location 34/	03 Surf Down Token Above Rim 342	1	inlet Location/ Path from MH	
Additional inspecti		Photo #(s)	Photo #(s)	Photo #(5)	Photo #(s)	Photo #(s)	-
ter: WH Se		insert Type (51) Condition (52) Wone Sound Sound Sound Sound Sound Sound Cacked Cacked	ial(x4) Condition(x)	Other Defect: Lining D None D 1-70 D 1-70 D 1-70 D 1-70 D 1-70	Uning Union		rial (90) Brick Other
on/Scratch (ST) Results Inches Rating (12 3 4 NA Cross Street or Location Details (12) mmri + Dr.	S		Adjustment Ring Type(53) Material(54) Conditiones	Brickwork Brickwork 0 08 0 M8 0 M8	MANIFIOSS S	"	Step Materiai (90) K Metal Plastic
	LINER DEFECT OBSERVATIONS	Cover Condition(s) (50) Sound □ Corroded Cracked □ Missing Broken □ Bolts Missing	.: ≝ ∈	Corrosion Ship Corrosion Cone (For no defects, check "None"), Corrosion Corrosion Band Corrosion C		(68) Sd	
	R DEFECT OF	Fit (49) Cover C Marcon D Cracked	Seal Condition (62) Inflow (64) Sound Cracked In w 10 in		드	DEFECTS in Wall (For n i/I None Circle one: Circle one: Circle one: R is is Sala	Number of Steps (89)
Inspection Inspec		Type (44) Solid Solid Vented # 7 (46) Indude pick holes			Type (72) G Flat/Slab R Concentric G Eccentric		Channel installed (85) 図 Y
Surface Type (28) Surface Type (28) GD GR GD GR GD GR GR GR	VT AND COR	Shape (40)	Offset fissing orroded oated	Depth (69)	Depth (74)	Depth (79)	Channell
MANHOLE INSPECTION FORM IH Use (17) St (Sanitary) St (Sanitary) St (Sanitary) St (Sanitary) MH Type (30) A con Con Con Con Con Con Con Con	MANHOLE COMPONENT AND CORROSION/	Material (43)	Condition(s) (s1) Sound IN Cracked IC	Coat/Liner (70)	Coat/Liner (75)	Coat/Liner iso)	Bench Present (82)
MH Use (17) SS (Sanitary)	MANHOLE	COVER Size (41/42) in in 27/3/4	FRAME Material (57) JECAS	CHIMNEY Material(s) (66) ES-BR C RCP	CONE Material(s) (73) Material(s) (73) Material(s) (73) Material(s) (73) Material(s) (73)	WALL Material(5) (78) BR CRP	BENCH, CHANNEL, STEPS Bench Presen

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MH Number			Seal Condition (101)	X Sound	A Sound Defective	& Sound	Sound Defective	Sound Defective	□ Sound □ Defective	□ Sound □ Defective
			Condition (99)	&Sound Defective	(KSound	Zh-Sound	□ Sound	☐ Sound	☐ Sound	☐ Sound
		OPTIONAL	Width 198) inches					Ш		
			Diameter (97)	∞	8	0				
\uparrow			Shape (96)		Crouler Capers Arched	Checular Checular Checular Course Course	Creater Creater Course Course	Chrouler Chrouler Chrouler Chrouler Chrouler Chroling	Orcular Rectangular Square Arched	Chroder Chroder Chroder Chroder Chrome
1			Material (95)	១ឆ្លា០០០០ ភូទ្និនីនីនី	្សាស្ត្រ ទីទីនី ទីនី	53888	5388	00000 \$ \$ \$ \$ \$	00000 5588 5588 5588 5588 5588 5588 558	00000 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$
70			Rim to Invert (93)	2.3	5.9	75				
72			Special Condition (101)	Oul four those by) Oul (our those low) It (in those by) It (in those bw) FM (fourse main) LB (Lewert)	OUT those tree	OU (out Drop Up) Ou (out Drop tew) It (in Drop Up) It (in Drop Low) It (in Drop Low) It (in Out Drop Low) Out (in Drop Low) It (in Out Drop Low) Out (in Out Drop Low) Out (in Out Drop Low) Out (in Out Drop Low)	OU (our brop tip) OL (our brop tow) In the brop toy) IL (in brop tow) FM (force Main)	OV low throp tips OV jour throp tow) I (in throp tow) II (in throp tow) II (in throp tow) FM (force Main)	○ OU (out they be! ○ OL (out they low) ○ IU (in they be) ○ IL (in they text) ○ IL (in they text) ○ FM (force Main)	□ OV (out those up) □ OL (out those taw) □ (U) In those taw) □ (L in those taw) □ (L in those taw) □ FAI (focus Maint) □ ER (Laterar)
		REQUIRED	Direction (94)	⊡ ⊠ .= Q	⊠ Out	区 in Out	= = = = = = = = = = = = = = = = = = =	n n ort		□ n □ out
	IECTIONS		Ciock Position (92)	v	2/	7				
SKL	PIPE CONNECTIONS		Pipe Number (91)	1	2	2			<i>a</i>	



MH Number			Seal Condition (101)	Q Sound	□ Oefective	AC Sound	a Defective	M. Sound	☐ Defective	D Sound	a Defective	D Sound	□ Defective	D Sound	a Defective	D Sound	O Defective
			Condition (99)	g/sound g	□ Defective	Sound Sound	C Defective	py pound	a Defective	D Sound	□ Defective	D Sound	☐ Defective	D Sound	□ Defective	D Sound	C) Defective
		OPTIONAL	Width (98)														
		0	Diameter (97)		9	/	٩		e								
			Shape (96)	Occupa Occupa Square	0	Crouder O Rectarquiber O Squere	D Arched	O hectorgular	D Arched	O Chroder O Rectangular	Page D	C Croster C Rectargular C Square	D Arched	O Chroder	Arched	O Greater O Rectangular	O Arched
2			Material (95)	5 5 3 x		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 X	5 5 3	2 Z Z	2 2 3	2 2 2	1	2 2		3 4 %	000 000	2 S
			Rim to Invert (93)	18	7.0	2	/ . >	r	η								
10 ->			Special Condition (101)	COU four bree best COU four bree best COU for bree best COU for bree best COU for bree best	D PM (force Make)	CO DOI DON DONS UNST	C It the Drup Level C PM (Perce Main) C Liftered	C OU four bree that C OL (our bree Lew)	Off the Bress Compt FM (Forces Mater)	O Ut (out brog lip) Of (out brog lips) U (in brog lips)	Off (in Drop Loud) Off Millions Main)	C OU (Out Owe Up) C OU (Out Owe Low) C (U (in Owe Up)	O II. (in Orea Lent) O FM (Force Malin) O Lis (Laterns)	Of fore brus Ust	O IL (In Once Law) O FM (Perce Mann)	Out four time ust	N (in Drop Low) FM (force Man)
1		REQUIRED	Direction (94)	5 C		, E		M.in			II Out		D Out		, S		D Out
	ECTIONS		Clock Position (92)	9		0	- 1	Ţ	14								
	PIPE CONNECTIONS		Pipe Number (91)	н		C	8	(^	O								

MH Number	Time (9)	O SD O BM	Additional inspection information (27)	Required	Photos 01 White Board	02 Location 62	03 Surf Down Taken Above Rim	04 Surf Down Token Below Rim	os Dranoge inter Location/ Path from MH.	
Sheet No. (6)	Date (8)	Inspection Status (36)	Additional Inspe		Photo #(s)	Photo #(s)	Photo #(s)	Photo #(s)	Photo #(s)	
MH Sealed? before: Y // A	mm/dal 2	N D	\$ (12)		(51) Condition (52) Sound Sound Poor Fit Condend Conden	rial(set Conditioniss) IX Sound Cracked	Ining Name	° 00000	° 00000	erial (90) Brick Other
S S S S S S S S S S S S S S S S S S S	Certificate (2)	(ST) Results (A) 3 4 NA Rating (A) 2 3 4 NA	Goss Street or Location Details (12)	S	50) insert Type (51) C G- None O Prastic O Metal	Adjustment Ring Type(s3) Material(s4) Condition s5	Brickwor Brickwor	60		Step Material (90)
Pre-clean (23)		ck O inches Rating (3) ct (3)	Gross Street	MANHOLE COMPONENT AND CORROSION/LINER DEFECT OBSERVATIONS	Cover Condition(s) (so) Sound □ Corroded Cracked □ Missing Broken □ Bolts Missing		DEFECTS in Chimney (For no defects, check "None") Market Check "None" Market Check "None of the Check of th	DEFECTS in Cone (For no defects, check "None")	Corros	!
1	BK/	Pene 6 o'clock 12 o'clock	(ame) (10)	R DEFECT O	6 0 U C C C C C C C C C C C C C C C C C C	Seal condition (62) inflow (64) Sound Green W ib	DEFECTS in Chimney (1)		DEFECTS in Wall (For 1)	Number of Steps (89)
Inspection Level (38)	_	Wall Diameter (tength/width) (77)	Street Address (Number and Name) (10) 103 Val M. Horres	ROSION/LINI	Type (44) Solid Solvented # (46)			Type (72) G fat/Slab C Concentric E Eccentric		Channel installed (85)
OLE INSPECTION FORM	Surface Type (28) SM AS		Street Ac	IT AND COR	Shape (40)	, s	Depth (69)	Depth (74)	Depth (79)	Channel
LE INSPECT	MH Type (30)	4) Rim to Grade (16)	6) City (11) El Burlingame Hills SMD	COMPONEN	Material (43)	Condition(s) (61) Off	Coat/Liner (70)	CONE Material(s) (73) Coat/Uner (75) Material(s) (73) Coat/Uner (75) Material(s) (73) Coat/Uner (75) Material(s) (73) Coat/Uner (75)	Coat/Uner (80)	ANNEL, STEPS Bench (gresent (82) D Y C N
ō O	MH Use (17)	Rim to invert (14) $R S.S$	Location Code (26)	MANHOLE	Size (41/42) in Size (41/42) in 27/3/4	FRAME Material (57) G CAS	CHIMNEY Material(s) (66) Coat/Liner (70) M BR IS-NC D RCP D C	CONE Material(s) (73) M BR C RCP	WALL Material(s) (78) Material(s) (78) Material(s) (78)	BENCH, CHANNEL, STEPS Bench Present
									N/M	

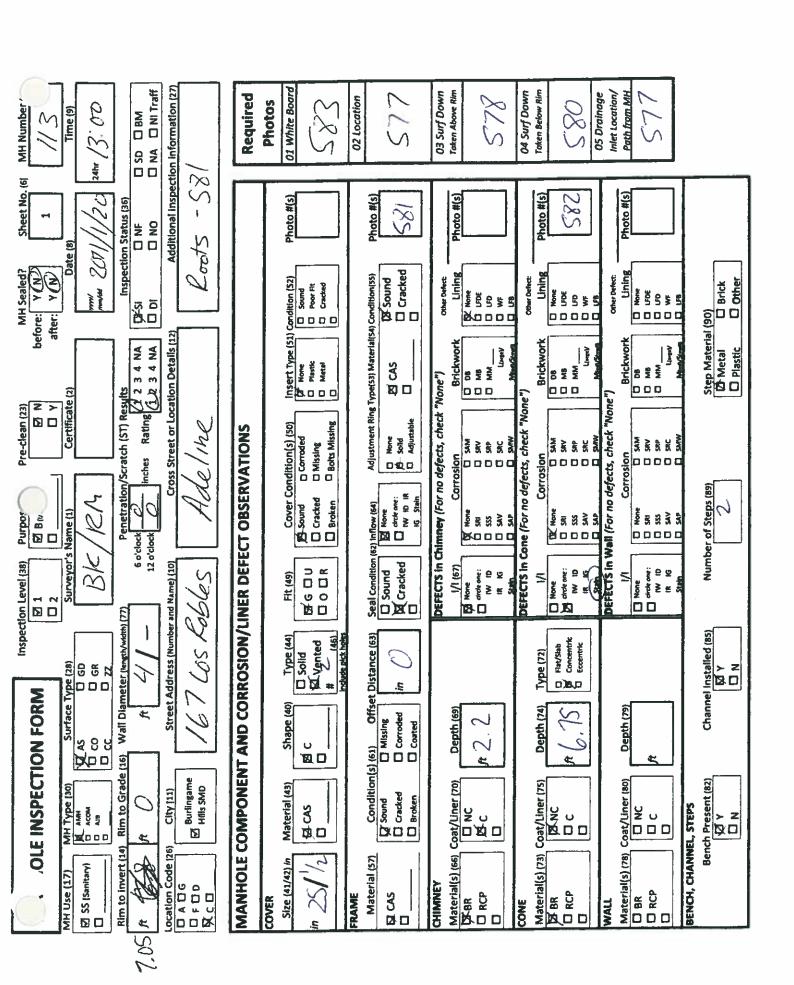
MH Number			Seal Condition (101)	Ç~Sound	□ Defective	The Sound	☐ Defective	Sound Sound	□ Defective	D Sound	a Defective	D Sound	a Defective	punos p	a Defective	D Sound	□ Defective
			Condition (99)	26 Sound	O Defective	€ Sound	C) Defective	D'Sound	□ Defective	D Sound	□ Defective	Davind 🗅	O Defective	D Sound	□ Defective	D Sound	□ Defective
		OPTIONAL	Width (98)						- 34								
		ō	Diameter (97)	9			l		Î								
			Shape (96)	O Greuber O Square	70000	De Croder Dectangular Square	Arched	D Chroder December Chroser Ch	D O	O Greater O Rectampular O Souare		Coroder Constangular Costume	D Arched	Orouter Decomputer		Chroder Recengular Square	
			Material (95)	ជា គំ ជន ភូមិនូវ	2 2	១,៥១ ទីនិន្ន		5 5 3		\$ \$ \$	2 Y Y	000 \$ \$ 3		\$ \$ \$	4	000 533	2 K
			Rim to invert (93)	5	- 1	٥ ()	\sim		5.6								
1 2			Special Condition (101)	CO (Your Bross Use) CO (Your Bross Use) CO YU (in Bross Use) CO III (in Bross Use)	C) FM (Force Mate)	O OU (Out Drug Lys) O OL (Out Drug Lyse) O IU (in Drug Lys)	It for Ores Lew) Of FM (Force Make) Of Us (Leteral)	C OU (Duc Dway Up) C OL (Dwc Dway Up) C) 1U (In Oway Up)	Of the Ones Low) Of FM (Force Mate)	Cl OU (Out Drug Up) Cl OL (Out Drug Low) Cl IV (in Drug Up)	C K (in Drop Low) C FM (facto Main) C LB (Lateral)	CI OU (Out three Use) CI OU (Out three Law) CI IU (in three Use)	O IL (in Dray Law) O FM (Force Main) O US (Lateral)	COU (Over Drope Use) COU, (Over Overse Leve) COU (In Overse Use)	It for Drop Low FM (Purce Masks) 18 (Latersh)	COV (Out Drup Up) COV (Out Drup Lea) COV (In Drup Up)	It he bros town FM (flores Mans) It is (Lesered)
7		REQUIRED	Direction (94)	<u> </u>			٠	H-M			50 D	<u> </u>			Š O		- 0 out
	ECTIONS		Clock Position (92)	9		8	_	())								
	PIPE CONNECTIONS		Pipe Number (91)	г		7	J	^	^								

	<u> </u>									
MH Number (.	Time (9) 24hr / S. ' \text{75}	O SD O BM O NA O NI Traff	Additional Inspection Information (27)	Required	Photos 01 White Board 02 2-3	02 Location	03 Surf Down Taken Above Rim	Od Surf Down Token Below Rim S / 4	05 Drainage Inlet Location/ Path from MH. \[\sum_{\text{total MH}}	
Sheet No. (6)	1/19	inspection Status (36)	Additional Inspection		Photo#(s)	Photo #(s)	Photo #(s)	Photo #(s)	Photo #(s)	
before: Y (N)	mm/ ZOII	is o	- Alex		insert Type (51) Condition (52) A. None Description Metal Caracted	a(s4) condition(ss) Sound Cracked	Other Defect: Unling Unling Unling Unling Unling Unling	8 0000		rial (90) CI Brick Cl Other
	Certificate (2)	Results (1) 2 3 4 NA INB (1) 2 3 4 NA	Cross Street or Location Details [12]			Adjustment Ring Type(53) Material(54) Condition(55)	Brickwork Brickwork D bB D MB D MB D MM D MM D MM D MM D MM D M	L 9 222	"None") Brickwork Brickwork D 06 D MM D MM Loren Meed/Amen	Step Material (90) Ps Metal
Pre-clez		Penetration/Scratch (5T) Results	Cross Street or	OBSERVATIONS	Cover Condition(s) (so) Sound □ Corroded Cracked □ Missing Broken □ Boits Missing	≤ .	DEFECTS in Chimney (For no defects, check "None")	Corrosion	DEFECTS in Wall (For no defects, check "None") / Corrosion	
Purpose	Surveyor's Name (1) BK/RM	Penet 6 o'clock	ame) (10)	/LINER DEFECT OB	(§) (§) (§) (§) (§)	Seal condition (62) inflow (64) Sound Cracked Rose Cracked Rose Rose Rose	DEFECTS in Chimney (1) (67) (67) (70) (10) Su onte one Onte one Onte one Onte one Onte one Onte one Onte one Onte one Onte one Onte one Onte one Onte one Onte one Onte one Onte one Onte one Onte one Onte one Onte one Onte one Onte one Onte one Onte one Onte one Onte one Onte one Onte one Onte one Onte one Onte one Onte one Onte one Onte one Onte one Onte one Onte one Onte one Onte one Onte one Onte one Onte one Onte one Onte one Onte one Onte one Onte one Onte one Onte one Onte one Onte one Onte one Onte one Onte one O		DEFECTS in Wall (For n 1/1 1/2	umber of
Inspection Level (38)		Wali Diameter (Impth/width) (77)	Street Address (Number and Name) (10) 957 Adeline Vr		Type (44) Solid Z (46) GZ (46)			Type (72) U Hat/Sab A Concentre C Eccentric		Channel installed (85)
ON FORM	Surface Type (28) Cl AS BG GD CO Cl GR CC Cl ZZ		Street Addi	MANHOLE COMPONENT AND CORROSION	Shape (40)	Offset Issing xroded	Depth (69)	Depth (74)	Depth (79)	Channel i.
JOLE INSPECTION FORM	MH Type (30)	Rim to Grade	6) City (11) Ed Buringame Hills SMD	COMPONEN	Material (43)	Condition(s) (s1) Sound M Cracked Cracked Cracked Cracked Cracked Cracked Cracked Cracked Cracken Cra	Coat/Liner (70)	Coat/Liner (75)	Coat/Liner (80)	NNNEL, STEPS Bench Present (82) K-Y N
M. TOL	MH Use (17) SS (Sanitary)	Rim to invert (14)	Location Code (26)	MANHOLE	COVER Size (43/42) in in 25 / /2	FRAME Material (s7)	CHIMNEY Material(s) (66) Zd BR CD RCP	CONE Material(s) (73) VB BR CD RCP	WALL Material(s) (78)	BENCH, CHANNEL, STEPS Bench Preser

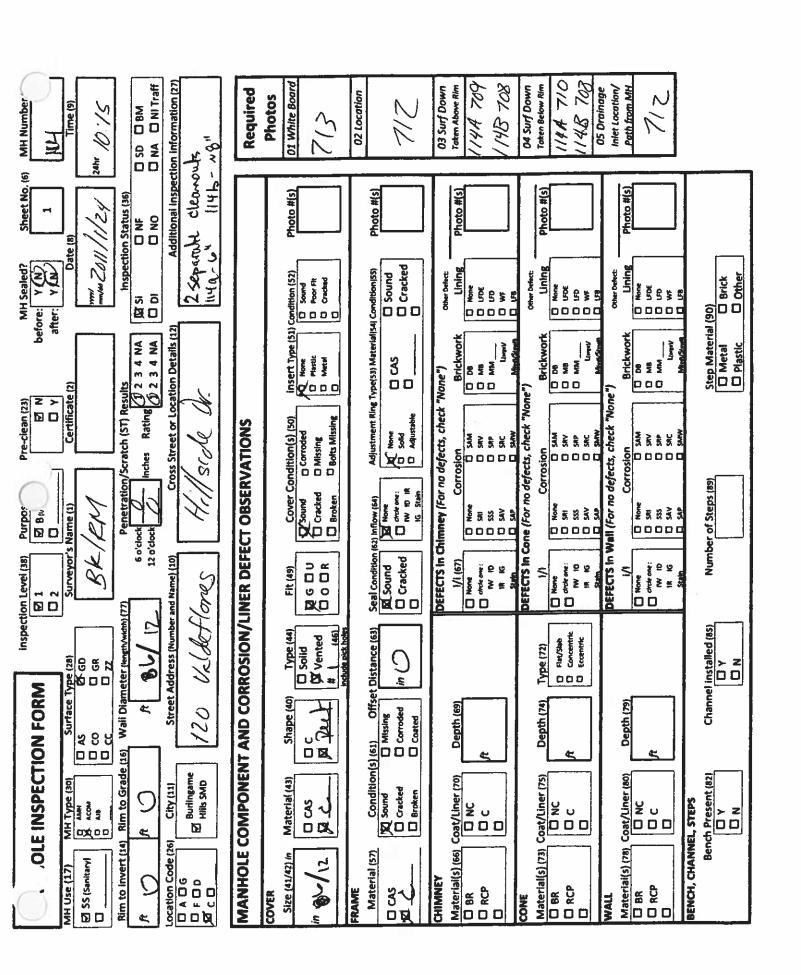
MH Number			Seal Condition (101)	Sound	☐ Defective	punos pa	□ Defective	D Sound	□ Defective	punos 🛭	п Defective	D Sound	□ Defective	D Sound	□ Defective	D Sound	🖸 Defective
			Condition (99)	€ Sound	C Defective	punos pr	D Defective	D Sound	C Defective	ם Sound	□ Defective	© Sound	□ Defective	D Sound	□ Defective	D Sound	☐ Defective
		OPTIONAL	Width (98) inches														
			Diameter (97) inches		9		9										
\uparrow			Shape (96)	A Circular Rectangular Square		Orcular C Rectangular C Square				C Chouler C Rectangular Course		Creater D Rectangular D Square	O Arched	Ortuba D Rectangular Square		Circular Circular Square	
			Material (95)	0.40 0 0 5 0 0 0		5 1 D		000 553	2 K		348	000 558		5 \$ 3	8 8	5 \$ 3	
			Rim to invert (93)	36 17	(-1)	117	1.1					ij.					
			Special Condition (101)	OU (Out Drop Up) OI (Out Drop Low) If (in Drop Up)	FM (Force Mahr) LB (Leveral)	OV (Det Drop Up) OL) Out Drop Up) Ol) (In Drop Up)	C IL (in Dray Law) C FM (Force Main) C LB (Leterni)	OU (Out One Up) OI (Out One Up) II (In One Up)	It. (in Drup Low) FM (Force Main) Us (Leveral)	OU (Out Drop Up) OU (Det Orop Low) Of Uth Brow Lot	II. (in Drap Low) FM (Force Major) US (Lateral)	OU (out once up) Ol (out brop Low) Ol (in brop up)	IL (in drop Low) FM (force Main) LB (Leteral)	OU (Out thou Up) OL (Out thou Low) Ol (the thou Low)	It. (in Drop Low) FM (Force Meth) US (Leteral)	OU (Our bress Us) OL (Our Dress Leve) I'll (in Dress Us)	Ut the Drop Low) PM (Force Man) Ut (Lineary)
		REQUIRED	Direction (94)	.E (편		<u>=</u>			D Oct	.E		=	50 D	<u>=</u>	5 0
	ECTIONS		Clock Position (92)	Q		Ü	71										
SK	PIPE CONNECTIONS		Pipe Number (91)	H		i	7										

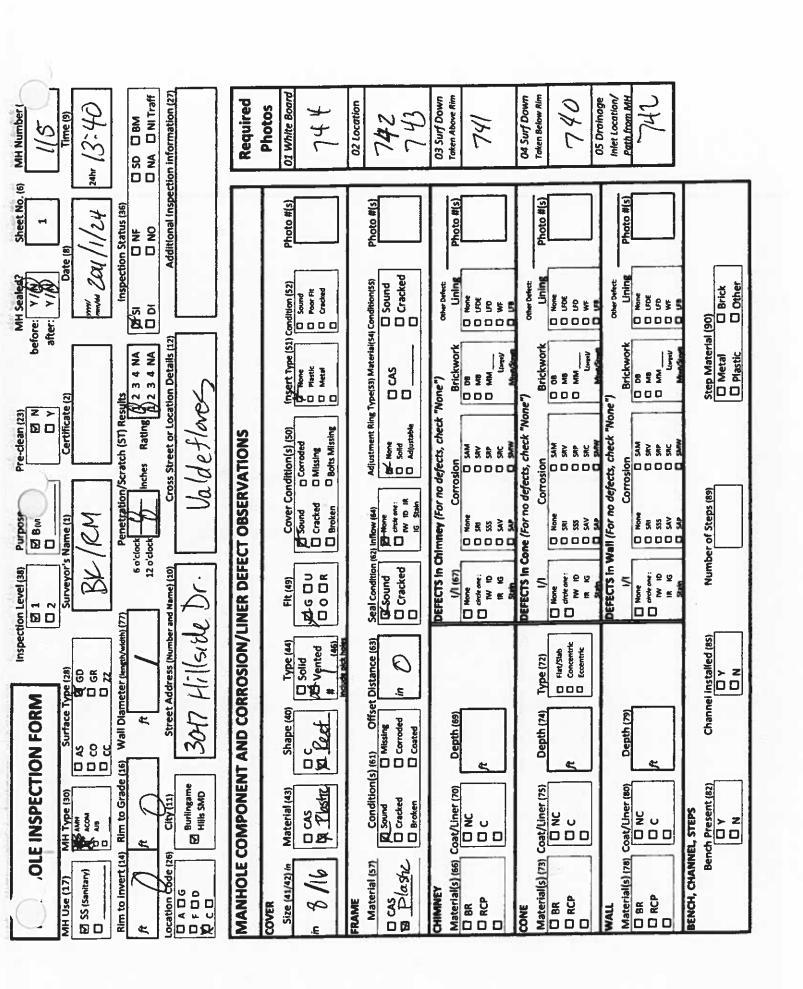
Sheet No. (6) MH Number (1) 1	Required	Photos 01 White Board	25 7 838	03 Surf Down Taken Above Rim 832	04 Surf Down Taken Below Rim SSS 05 Drainage Inlet Location/ Path from MH	837
MH Sealed? The control of the contr		Insert Type (51) Condition (52) C None C None C Sound C None C None C Sound C Condition (52)	Cracked (\$3/4)	kwork Lining Photo #(s)	* ************************************	Step Material (90) Metai
Purpose Purpose Purpose Pre-clean (23) Pereclean (23) Certificate (2) Anne (3) Certificate (2) Certificate (2) Certificate (2) Anne (3) Certificate (3) Anne (3) Certificate (3) Anne (3) Certificate (3) Anne (4) Anne (4) Cock Anne (4) Cross Street or Location Details (12)	CT OBSERVATIONS	Cover Condition(s) (50) Insert Tyres Cover Condition(s) (50) Insert Tyres Cover Condition(s) (50) Insert Tyres Cover Condition(s) (50) Insert Tyres Cover Condition(s) (50) Insert Tyres Cover C	Inflow lea; Adjustment Ring Type(S3) Material(S4) Condition(S5) Condition(M M B Bric	For no defects, check "None") Corrosion San San San San San San San S	(89) X4 CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
inspection Level (38) [2] 1 [2] 1 [3] 1 [4] 2 [5] 2 [6] 6 [7] 2 [7] 6 [8] 6 [9] 12 0 [9] 6 [9] 7 [9]	CORROSION/LINER DEFEC	E (40) Type (44) Fit (49) Solid XS G D U W (46) D D R Hadde aid here	Offset Distance (63) Seal Condition (62) Inflow (64) "B		Type (72) Flat/Sab Concentric Eccentric	Channel installed (85) Numbe
OLE INSPECTION FORM WH Use (17)	MANHOLE COMPONENT AND CORROSION/LINER DEFECT OBSERVATIONS	Size (41/42) In Material (43) Shape (40) In 25//2	Material (57) Condition(s) (61) CAS Cacked Corro	CHIMNEY Material(s) (66) Coat/Liner (70) D BR C C C C C C C C C C C C C C C C C C C	CONE Material(s) (73) Coat/Liner (75) CA BR Material(s) (78) Coat/Liner (80) CA BR CHANNEL, STEPS Bench Present (82)	
	Σ	8 <u>" s </u>	2 3 0 1	\$ \$000		

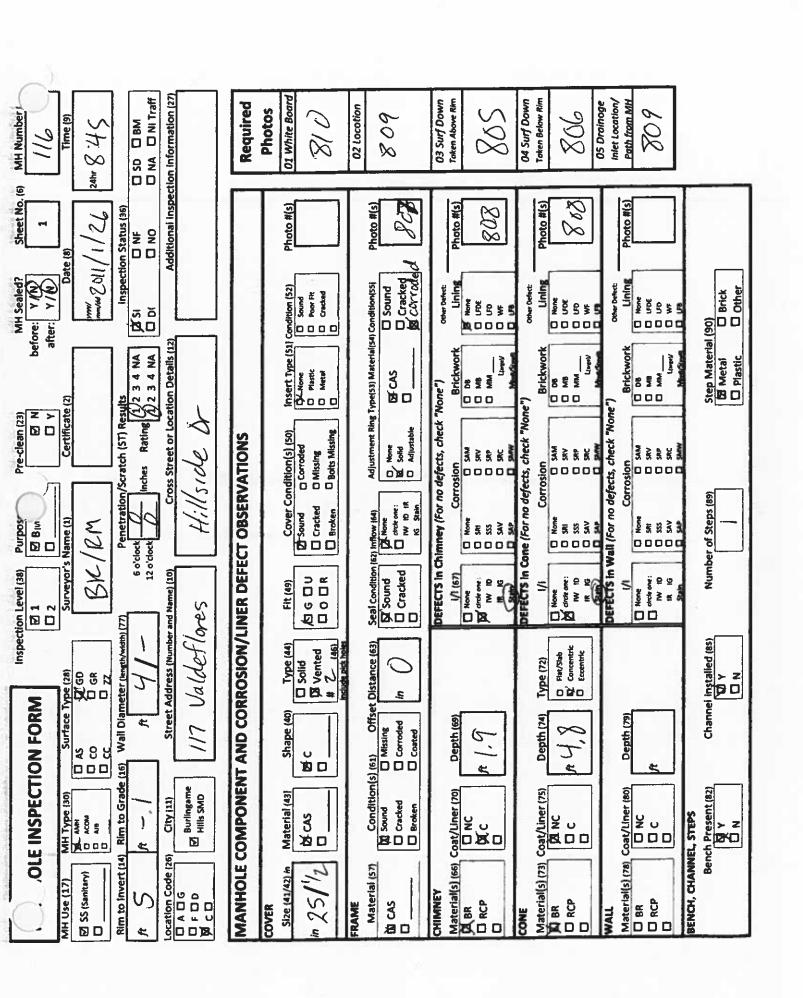
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MH Number			Seal Condition (101)	Sound Defective		Sound	□ Defective	& Sound	O Defective	EK-Sound	□ Defective	A Sound	Defective	D Sound	□ Defective	punos o	□ Defective
			Condition (99)	K Sound © Defective		Sound	D Defective	Sound	□ Defective	Psound	O Defective	DCSound	□ Defective	D Sound	O Defective	D Sound	□ Defective
		OPTIONAL	Width (98)														
			Diameter (97)	7	9	J			ه	7		11	X				
			Shape (96)		D Charles	O Rectangalar		Dreuter O Rectorquiter O Square		Consider Consider		O Croster O Rectangular Square		Orouter Square		O Creater O Rectangular O Seuera	D Archael
Z			Material (95)	0 6 00000000000000000000000000000000000		8 \$ \$	¥	0.00 5 5 3	2 ž	2 \$ 3 2 \$ 3		0 % 0	000 8 §	5 \$ 3 5 \$ 3	2 ¥ ¥	\$ \$ 3 000	
2 1 2			Rim to invert (93)	100		2 0	6.0	000	1.7	6	07	, C	V				
500			Special Condition (101)	CD COU (Out Dree Use) CD CU (out Dree Use) CD IU (in Dree Use) CD IL (in Dree Law) CD IL (in Dree Law)	C LB (Lateral)	Cl (Out Drup Lowe) Cl (U (in Orap Up)	D PM (force Make)	O OU (Det Drop Up) Of (Det Drop Upo) Of IU (in Drop Upo)	O FM (Force Main) U (Listores)	CI OU (Dut Dres Us) CI OL (Dut Dres Lew) CI IV (in Dres Us)	C It in Grop Levi C FM (Porce Main) C & (Leviera)	COL for bres best Col. for bres less	O Il (in Dess Lou) O FM (force Nain)	OV (Out Once Us) OV (Dat Dros Lew) U (in Once Us)	C FM (force Main)	O OU (Out Drue Lead O OL (Out Drue Lead O IU (in Ores Us)	O fil (in Drap Low) O FM (herce Main)
A		REQUIRED	Direction (94)	<u>d</u> = 0		Ž		Ë		7 01		n A		Ë		Ë	D Out
	ECTIONS		Clock Position (92)	9		0		12)	2, 20	100	\cap	>				
S	PIPE CONNECTIONS		Pipe Number (91)			C	1	~)	J	,	V	2				



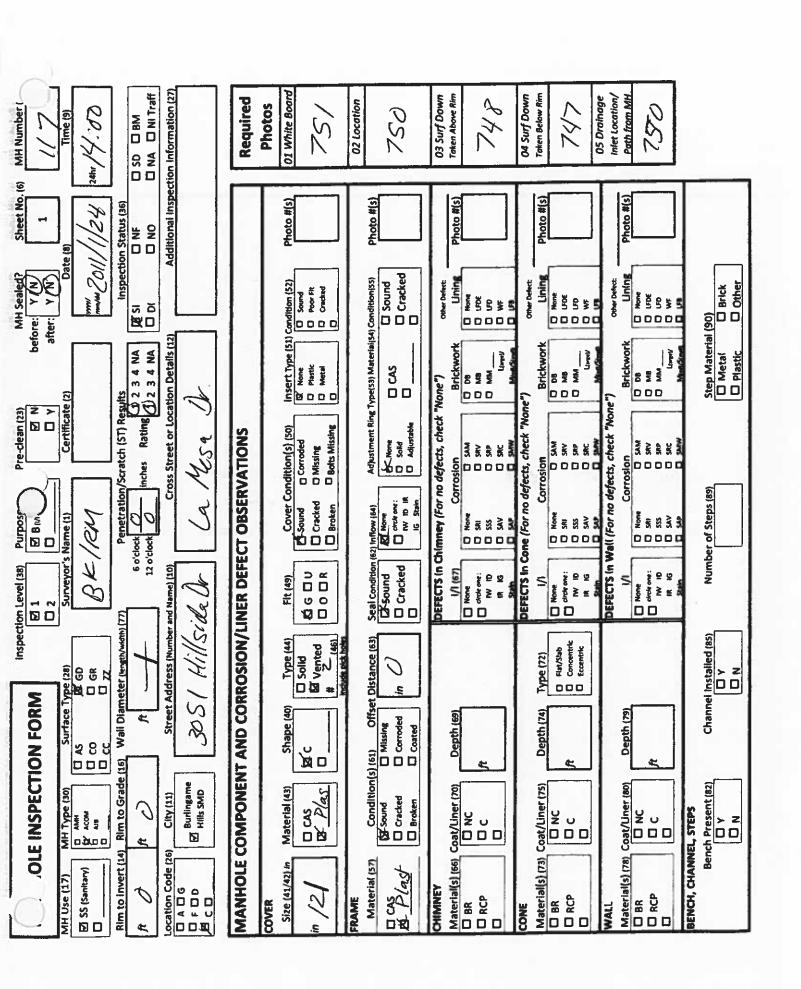
MH Number			Seal Condition (101)	M-Sound	D Defective	punos -gd	□ Defective	bunos 🗡	Defective	Sound	□ Defective	D Sound	□ Defective	punos 🛭	Defective	D Sound	Defective
			Condition (99)	Sound	☐ Defective	puno5₩	□ Defective	Sound	O Defective	Ž Sound	O Defective	D Sound	O Defective	D Sound	□ Defective	punos a	Defective
		OPTIONAL	Width (98)														
		°	Diameter (97)	\	9	1	2	\	9	\	9						
			Shape (96)	O Rectangular	0 0	G Christer C Rectangular	O Arched	Conter Co		D Orester O Rectongular O Square		Cheuter Chectenguler Chectenguler		O Chouler O Rectangular		O Greader O Rectongular	
-2			Materiai (95)	8 \$ £	2 D D	₽\$3	2 ¥	5 5 3	2 X	5 5 3	2 C C C	000 5 \$ 3			3 4 5	5 6 6	345
			Rim to invert (93)	700	(.0.)	7.00	7.0>	1	00 =/	010	01.7						
() m ()			Specia(Condition (101)	O U fout bree test	FM (force Main)	OV fout bres us)	C II (in Oros Low) C FM (force Main) C Li (Leberal)	C) OU (Out Drop Up) C) OX (Out Drop Low) C) 17 (in Drop Up)	O It (in Oraș Lord) O FM (Forza Male) O Lit (Lateral)	C OU fox one bet	C It the Growt Lowel C FM (Ferze Mates) C Lib (Laterni)	Cl Ou (out those that Cl Ot (out those tawn) Cl 10 fin those that	O ft (in Drop Law) O FM (Force Main) O LB (Latered)	COU fost Orași Uși COU fost Orași Limi) Cou fili file Demitini	C II. In Stree Low! C PM (Perze Meln)	C OU for one us) C Of (or one test) C Of (or one test)	O IL (in Gras Law) O FM (force Main) O Lis (Leneral)
72		REQUIRED	Direction (94)	.s. 6		Na Fi		Æ.		ni-B		<u>.</u>			Out		□ Out
	ECTIONS		Clock Position (92)	9		0		C	7	-	,						
	PIPE CONNECTIONS		Pipe Number (91)	H		Ċ	7	0			2						
								Wan.	N. P.		.						







MH Number			Seal Condition (101)	g Sound	O Defective	Dunos A	□ Defective	punos - g	Defective	punos a	G Defective	D Sound	O Defective	punos D	O Defective	Punos D	☐ Defective
			Condition (99)	GSound	O Defective	punosó	C) Defective	punos-g	O Defective	D Sound	□ Defective	D Sound	□ Oefective	D Sound	□ Defective	D Sound	□ Defective
		OPTIONAL	Width (98)		-												
		O	Dlameter (97)		9	J	9	J	9								
1			Shape , (96)	Cheuler Square Square		D- Orculer Recongular Square	D Arched	G Grouter G Rectangular G Square	O Arched	O Chroder O Rectorgador		Chroder Declarquier	pe C	O Orader	y Websel	O Chouler O Rectangular	D Arched
2			Material (95)	5 5 3 :	¥ ¥	D, 55 D		akja 8 8 8	2 Z	5 5 3	2 2 0 0 0	\$ \$ \$	3 2 2 3		3 4 %	<u>0</u> 000	2 2 2
			Rim to invert (93)	62	2.6	12	0.1	17	2								W
(m)			Special Condition (101)	COU fox they be COU	C FM (force Man)	O OU lost bree usi	O IL (In Oraș Low) O FM (Forze Main) O Lâ (Lateral)	OU (Out One Up) OU (One Drup Lond) Of (One Drup Lond)	It in Dree Lout FM (Force Main) List Lineral	COU four dress tree	It (in the tout) If fill (force stain) It (Littern)	C OU four one tier	O (L (in Oraș Lour) O FM (Forza Man) O Ul (Lebrari)	O OU fost brue Us)	O IL (In Oras Law) O FM (Fance Main) O Lib Lavend)	OU rose thrus tay Out (our thrus tay)	It (in Driss Low) Shift (ferce Main) (18 (Latered)
7		REQUIRED	Direction (94)	<u> </u>		<u>s</u>			٠		Owt		o o		, o		D Oct
	CTIONS		Clock Position (92)	φ		0		1.7	7								
S	PIPE CONNECTIONS		Pipe Number (91)	-		C	7	7									

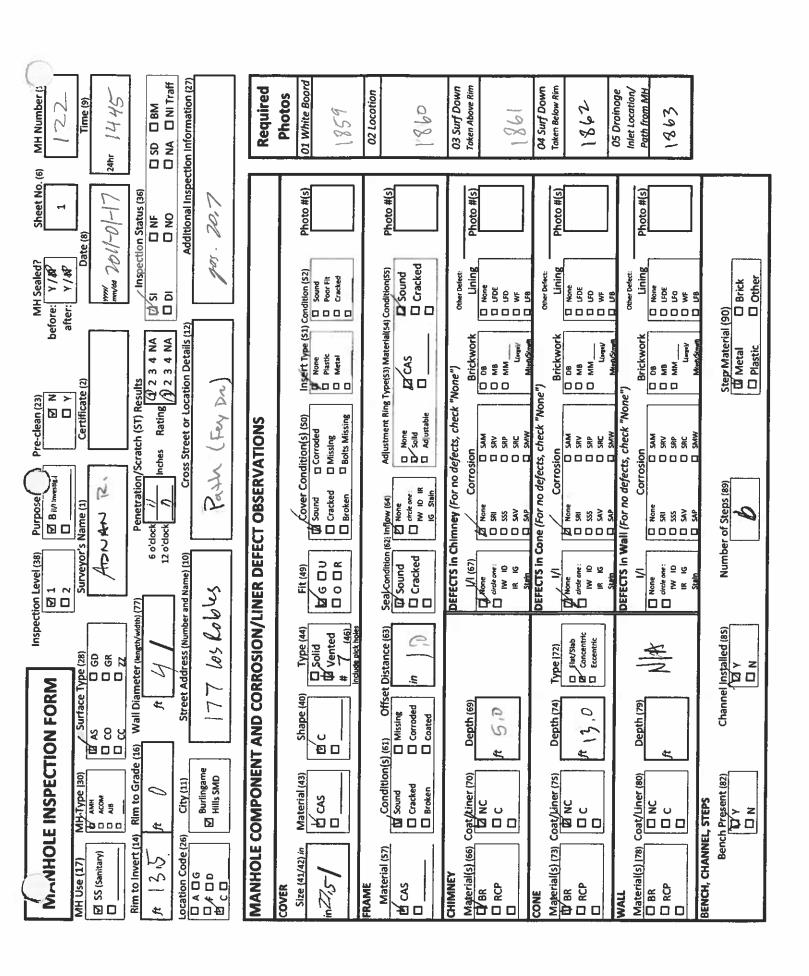


(6) MH Number (Time (9)	O SD O BM	1 51	Required	Photos 01 White Board 694	02 tocation 689	03 Surf Down Taken Above Rim	04 Surf Down Token Below Rim	US Dramoge inlet Location/ Path from MH	
re: Y/60 1	Date (8) """ 201 / 1/2/	inspection Status (36)			ondition (52) Photo #(5)	Conditioniss) Photo #(s) Cracked Cracked	Other Defect Lining Photo #(\$) 1 None 1 LOE 1 LOE 1 LOE 1 LO	1 8 I	Other Defect: Lining Photo #(5) Dispersion of the policy o	90) [] Brick [] Other
Pre-clean (23) MH	Certificate (2)	3 4 NA	r Location Details (12)	IONS	Insert Type (51) C None D Pastic	Adjustment Ring Type(S3) Material[S4] Condition S5 None	sion Brickwork Sion Brickwork Sion Brickwork Sion Brickwork Sion Brickwork Sion Brickwork Sion Brickwork Sion Brickwork Sion Brickwork Sion Brickwork Sion Brickwork Sion Brickwork Sion Brickwork Sion Brickwork Sion Brickwork Sion Brickwork Sion Brickwork Sion Brickwork	Brickwork 0 08 1 MB	Brickwork D be D me D MM Linery	Step Material (90) C Metal C Plastic
Purpo	Surveyor's Name (1) $\mathcal{S} \not \!$	6 o'clock (Miches Rating (Miches Rat	1111	N/LINER DEFECT OBSERVATIONS	Cover Cor	Seal Condition less inflow is4) Sound Government No on its of the condition is of the condition is of the condition is of the condition in the condition is of the condition in the condition is of the condition in the condition in the condition is of the condition in the cond		In Cone (For n	in Wa	
ORM inspection Level (38)	Surface Type (28) Surface Type	Wall Diameter (length/width) (77)	Street Address (Number and Name) (10)	CORROSION/LINE	Shape (40) Type (44) Fit C Solid ES G ES G ES Vented C C ES Vented C C C ES Vented C C C ES Vented C C C C ES Vented C C C C ES Vented C C C C C C C C C C C C C C C C C C C	set Distance (63)		Type (72)		Channel installed (85)
OLE INSPECTION FORM	MH Type (30) MA AME A AME A ACCOM A	Rim to Grade (16)	Cfty 1111 Burlingame Hills SMD	MANHOLE COMPONENT AND CORROSIO	Material (43)	Condition(s) (s1) Offs Sound Missing Cracked Corroded Corroded Coated Co	CHIMNEY Material(s) (s6) Coat/Liner (70) Depth (69) CO RCP CO C 3) Coat/Liner (75) Depth (74)	WALL Material(s) 78) Coat/Liner (80) Depth (79) □ BR □ C □ C ft □ C □ C ft □ C ft □ C ft □	nt (82)	
	MH Use (17)	Rim to invert (14)	Location Code [26]	MANHOL	Size (41/42) in in 27/5/4	FRAME Material (57) Ø CAS O	CHIMNEY Material(s) (s C BR C BR C BCP	CONE Material(s) [73] OF BR	WALL Material(s) 77	BENCH, CHANNEL, STEPS Bench Preser

MH Number			Seal Condition (101)	M Sound	O Defective	M. Sound	Defective	punos 🗆	a Defective	punos 🗆	D Defective	D Sound	□ Defective	D Sound	a Defective	D Sound	O Defective
			Condition [99]	Sound	O Defective	punos	Defective	D Sound	C Defective	D Sound	O Defective	D Sound	D Defective	D Sound	O Defective	D Sound	🖸 Defective
		OPTIONAL	Width (98)														
		ō	Diameter (97)	\	0	1	O =										
)			Shape (96)	XI. Chroster C. Rectangular C. Square	O Arched	D Square		Chroder C Recongular C Square	Archad	Occupant	Page 0	Creater C Rectorgular		O Rectingular		C Chroter C Recongular C Source	D Anthed
-2			Material (95)	5 5 3 :		5 5 3	2 Z Z	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		\$ \$ \$	3 * \$	\$ \$ \$	345	\$ \$ 3 000	3 ¥	\$ \$ \$	3 X
			Rim to invert (93)	0	5.17	7											
3	}		Special Condition (101)	COU (but they be) COL (but they be) COL (but they be)	IL In Drop Law) PM (Force Main) LB (Letwin)	O OV four brue liet O OL (out drue Low) Of IV (in drue lip)	O IL (In Drup Law) FM (Force Make)	CI OU foet brus Use) CI OL foet brus Level CI 1U lin brus Use)	C Rith Drue Low) C FM (Force Main) C (8 (Laterni)	OU fort Drop Upp Of (Out Orop Low) Of (Out Orop Low)	C It (in Drop Low) C FM (herze Make) C UB (Letteral)	C OV (Out Drug List) C OL (Out Drug Line) C I'll for Drug Line)	O ft. (in Drae Lour) O FM (Force Main) O (8 (Lateral)	C OU foet brue tiek C OL foet brue Lead C IU fin drae tiek	O FM (in Drup Low) O FM (Parce Main) O LB (Lateral)	COV (Det Dese tie) COV (Det Gerse ties) COV (Oet Gerse ties) COV (In Gree ties)	C) IL (in Dres Low) C) FM (flores Mahn) C) LB (Lawyel)
		REQUIRED	Direction (94)	<u>=</u>		ni 85		_ =			ŏ		, O	ŀ	<u>5</u>		Out
	CTIONS		Clock Position (92)	ø		13	11										
	PIPE CONNECTIONS		Pipe Number (H		C	7										:

								315														
MH Number	Time (9)		O SD O BM	Additional inspection information (27)		Required	Photos	01 White Board	02 Location		<i>585</i>	03 Surf Down	Taken Above Rim	585	04 Surf Down	Taken Below Rim	985	05 Drainage	Poth from MH	584		
Sheet No. (6)	1/20	s (36)	¥ 8 □ □	Additional inspect	:			Photo #(s)		Photo #(s)	587		Photo #(s)	287		Photo #(s)			Photo #(s)			
MH Sealed? before: Y /(N) after: Y /(N)	Date Date	inspecti	S SI					insert Type (51) Condition (52) B. None D. Sound D. Pastic D. Poor Pt D. Metal		i(54) Condition(55)	Cracked Cracked	Other Defect:	-8	\$ 2 2 5 0 0 0 0	Other Defect:	(E	28 ¥	Collect Defect		\$ 2 2 <u>\$</u> 5		Step Material (90) Matai Brick Plastic Other
<u>.</u>	Certificate (2)	Results	inches Rating 1234 NA	Cross Street or Location Details (12)					1	Adjustment Ring Type(53) Material(54) Condition(55)	n ragicas	ck "None")	Brickwork	WW Comp	None")	Brickwork	O MM Lengely	1				Step Mater
Pre-clean (23)	Certifi	Penetration/Scratch (ST) Results	inches Ratir	Cross Street or	deline	ERVATIONS		Cover Condition(s) (50) Sound Corroded Cracked Ci Missing Broken Ci Bots Missing		Г	e: None solid life Adjustable	DEFECTS in Chimney (For no defects, check "None")	Corrosion		DEPECTS in Cone (For no defects, check "None")	Corrosion D sam	<u> </u>	DEFECTS in Wall (For no defects, check "Nane")	Corrosion			(88)
Purpos	BK/PK	Penetra	6 o'clock 12 o'clock	(01)(0	A	N/LINER DEFECT OBSERVATIONS				Seal Condition (62) Inflow [64]	cked Categorics	IS in Chimney (F	[3]	70	TS in Cone (For n	Г	drote one: SRI	TS in Well (For n	1/1	lone None: 10 SRI 17 None 17 N		Number of Steps (89
inspection Levei (38)		ngth/width) (77)	/ - /	Street Address (Number and Name) (10)	Reble			Type (44) Fit (49) ☐ Solid ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐		8	Sound Cracked	DEFEC	2	Choice cone;	DEFEC	P. P.	D Concentric Orde one	DEFEC		Orde one:)ied (85)
FORM	Surface Type (28) -AS 0 GD -CO 0 GR -CC 0 ZZ	/aii Diam	7	Street Addres	173 Las	ND CORROS		Jape (40)	apopul	Offset Distance	Corroded in Coated		Depth (69)	1.9		Depth (74) Type (72)	35 Sh #		Depth (79)			Channel installed (85)
OLE INSPECTION FORM	MH Type (30) G AMH Acom D CO D As	6 (16)	0	City (11)	Burlingame Hills SMD	MPONENT A		Material (43) SF CAS TELC		Condition(s) (61) 0	Cracked C		L	2 C C C C C C C C C C C C C C C C C C C		Coat/Liner (75) D			r (80)	× 0 0 0	STEPS	Bench Present (82)
OLE II	MH Use (17) MH Ø SS (Sanitary)	Rim to invert (14) R	# 4.9 A	Location Code (26)	0 4 0 6 0 7 0 0 76 0 0	MANHOLE COMPONENT AND CORROSIO	I	Size (41/42) in 27/3/4	FRAME	Material (57)	8 000	CHIMINEY	(a)(s) (66) Co	22 0	CONE	Material(s) (73) Coa		WALL	lai(s) (78)	% % 000	BENCH, CHANNEL, STEPS	Bench

NA



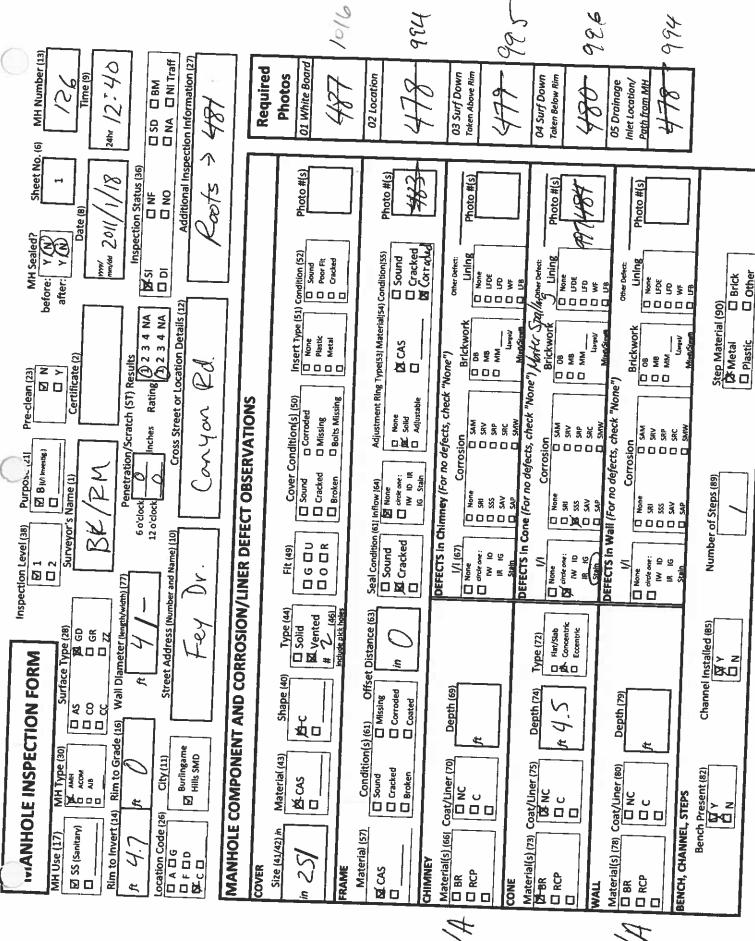
MH Number	72			Seal Condition (101)	Sound	□ Defective		D Sound	☐ Defective		punos 🗆	□ Defective		D Sound	□ Defective		punoc a	□ Defective	Sound		□ Defective		punos 1	□ Defective
				Condition [99]	D Sound	□ Defective		D Sound	□ Defective		D Sound	□ Defective		Dunos 🗆	□ Defective	7	PUROS I	□ Defective	D Sound		□ Defective	70000	•	□ Defective
			OPTIONAL	Width 1981																				ŧΣ.
				Diameter (97)					31															
				Shape (96)	Chouler C Rectangular	C Arched	A Orestor	C Square		D Creater	C Square	- Aroned		Square		C Crouter	Square		Carader Carangular	Square			C Arched	
	~			Material (95)		3 4 5		9 d a :	2 × ×	2	0 0 0 0 0	300			8 %		3 8		\$ \$				3 4	
	10			Rim to Invert (93)		3,5		SH	22		10.7	2) 01												
				Special Condition (101)	C OU (out these Up)	C IV (in Oraș Low) C FM (force Main)	C OU toer Drop Upi	C) Ol (Out Drop Law) C) IU (in Drop Up)	I (in Orop tow) FM (force Main) LB (teteral)	C OU tour Drop Upt	Cl. Ol. fout Drop Low) Cl. 10 (in Drop Up)	C) FM (Force Maint)	OU tour Dress Up)	C) IU tin Oreși upt	C) IL (in Drops Low) C) FM (Force Main) C) LB (Laternal)	OU four brop Up!	O IV (in Deep Up)	C) FM (Force Main)	O OU tout Drap Up)	It (in Drop Low)	☐ FM (Force Maint ☐ LB (Lateral)	OU tow Shap Up)	U tin Drap Upt	C FM (Force Main)
			REQUIRED	Direction (94)		or Ed (百二			E (<u>=</u>			<u>=</u>			ŏ			<u> </u>	ŀ
		IECTIONS		Clock Position (92)		ဖ		0	_		1	\ 												
SK, H		PIPE CONNECTIONS		Pipe Number (91)				4			~	>												

/23	7 Time (9)		O SD O BM		~	Required	Photos	01 White Board	S74	02 Location	295	03 Surf Down	Taken Above Rim	195	04 Surf Down	Taken Below Rim	570	05 Drainage	Path from MH	575		
Sheet No. 16)][2]	Inspection Status (36)	¥ 8	dditional Inspect	STS STS			Photo #(s)			S7/		Photo #(s)	272		Photo #(s)	2/5		Photo #(s)			
before: V/N	32 1		<u>ت</u> 0		Las			Condition (52)	Cracked		Ex Sound Cracked	Other Defect	Lining	\$ 2 ½ ! LOOOC		Lining	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Other Defect	Uning	\$ \$ \$ \$ \$		1 (90) Brick Other
.ā		suits	Rating 12 3 4 NA	Cross Street or Location Details (12)	۲.				Mete		Countries of Advantage of Countries of Advantage of Advan	"None")	Brickwork	MW C	ine")	Brickwork	MW C	ne")	Brickwork	O OB OB OB OB OB OB OB OB OB OB OB OB OB		Step Material (90) Co Metal Derick Delastic Cother
Pre-clean (23)	Certificate (2)	Penetration/Scratch (ST) Results	inches Rating	oss Street or Lo	Hillside Dr.	VATIONS		Cover Condition(s) (50)	O Missing O Botts Missing		Adjustable	DEFECTS in Chimney (For no defects, check "None")	Corrosion	* * * * * * * * * * * * * * * * * * *	DEFECTS in Cone (For no defects, check "None")	Corrosion	N 20 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	DEFECTS in Wall (For no defects, check "None")	Corrosion		1	~
Purpos B B	Surveyor's Name (1) BK / PM	Penetration	6 o'clock		#	ON/LINER DEFECT OBSERVATIONS		Cover Co	Cracked Broken		Sound Onclino (52) Inflow (64)	Chimney (For n		# # 3 3	Cone (For no de	S	<u> </u>	Wall (For no de	8			Number of Steps (89)
Inspection Level (38)	Surveyo	# (77)	12	(Number and Name) (10)	, Dr.	/LINER DE			0 0 B		_	DEFECTS In	1/1 (67)	N A S	DEFECTS In	ı/ı	None Brote one:	DEFECTS	<u>~</u>	None State one State one		
	Surface Type (28)	Wall Diameter (tength/width) (77)	-17	Street Address (Num	Nexton				# 7 (46)		sed in 0		~!"			1) Type (72)	Stat/Stab		ล			Channel installed (85)
CTION FO	8 8 8	_	#	 -	143	ENT AND C					Sound Missing Office Corroded Corroded Corroded Corroded Corroded Corroded Corroded		Depth (69	1.7		5) Depth (74)	7.9 4		o) Depth (79	<u> </u>		!
OLE INSPECTION FORM	MH Type (30)	(14) Rim to Grade (16)	O #	ĮĹ	Burlingame	MANHOLE COMPONENT AND CORROS							6) Coat/Liner (70	D D D		3) Coat/Liner (75)	<u> </u>		Material(s) (78) Coat/Liner (80)	2 o	WNEL, STEPS	Bench Present (82)
o o	MH Use (17) S (Sanitary)	Rim to invert (14)	# 6.3	Location Code (26)		MANHOLI	COVER	2	H117 W	FRAME	K CAS	CHIMINEY	Material(s) (6	D RCP	CONE	Material(s) (73)	8 0 □	WALL	Material(s) (7	2 2 2 2 3 3 3 4 4 4 4 4 4 4 4 4 4 4 4 4	BENCH, CHANNEL, STEPS	<u> </u>

MH Number			Seal Condition (101)	M- Sound	Defective	My Sound	Defective	M Sound	O Defective	Dunos 🗅	□ Defective	D Sound	a Defective	D Sound	C Defective	D Sound	Defective
			Condition (99)	\$\text{\$\cound}\$	□ Defective	₽ Sound	□ Defective	4. Sound	□ Defective	D Sound	D Defective	D Sound	a Defective	D Sound	O Defective	D Sound	□ Defective
		OPTIONAL	Width (98)														
		°	Diameter (97)	_	9	7	9		0								
F 2			Shape (96)	R Creuter Recomputer Square	Arched	GL Chroler Chroler Chroler Chroler Chroler Chroler Chroler	D Archaed	Chroter Chrosenguler Chrosenguler Chrosenguler	Padpag	Oroular O Rectangular		O Chroder O Rectangular	a Arched	O Charler C Rectangator		O Cheular O Rectangular	
			Material (95)	5 5 3	2 F	0 8 0 5 5 5 5 5 5	2 D D D	च <u>भं</u> च इ.इ.इ.ड		\$ \$ \$ \$ \$ \$	3 2 2		385		3 8 8		3 4 5
m m			Rim to invert (93)		6.0	617	7-1	P. 1	6.05								
	>		Special Condition (101)	O OU (out they be)	IL (in bros tow) FM (Force Man)	C OU (Ove Oves Up) C OL (Det Oves Les) C IU (in these Up)	O 15 (the Dress Land) O FM (flowers Make) (1) 1.8 (Lateral)	OV (Out Owe Ue) Of, (Dut Owe Cwe) Until the dwe Ue)	O II, (in Drap Law) O FM (Force Main) O LB (Lawerd)	Clotton begins	D It (in Oney card) D FM (Nerve Make) D US (Letters)	C) OU (Out Drop Up)	O II (in Gross tow) O FM (Force Mathy)	Out for they bet	It th Once Law! PM (Nerce Math)	O OU foet they bet	C It (in Ores Lear) C FM (Perce Metri) C E (Leveral)
		REQUIRED	Direction (94)	<u> </u>		트		20 E	- 1		D Out		50	l	Out		Oot
	ECTIONS		Clock Position (92)	vo		12			7)								
	PIPE CONNECTIONS		Pipe Number (91)	-		7		~	γ	•							

MH Number (L., 125 Time (9) 12.20 ND DBM NA DNI Traff Information (27)	Required	Photos 11 White Boord 17 1 1015	469 989	03 Surf Down Taken Above Rim	1, 1	05 Droinage Inlet Location/ Path from MH	
1 Sealed? Sheet No. (6) V/N 1 Sheet No. (6) No. (6) Sheet No. (10)	Re	Condition (52) Photo #(s) 01 M	Photo #(s)	Other Defect: Uning Photo #(s) Takes None UPDE UPDE UPDE UPDE UPDE UPDE UPDE UPDE	Photo#(s)	Photo #(s)	srick Other
Pre-clean (23) El B (V) Investigation Certificate (2) Certificate (2) Certificate (2) Certificate (2) Certificate (2) After: Certificate (2) After: Certificate (2) Certificate (2) After: Certificate (2) After: Certificate (2) Certificate (3) After: After: Certificate (3) After: After: Certificate (3) After: After: Certificate (3) After: After: After: Certificate (3) After: After: After: After: Certificate (3) After: Aft	TIONS	Insert Type (51)	Adjustment Ring Type(53) Material(54) Condition(55) None Ed-CAS Ed-Sound Adjustable Cracked	¥ 00000	Model Salling of Brickwork	15, check "None" One Step Material (90) Metal Brick Plastic Other	
tion Level (38) Purpos. Ed 1 Surveyor's Name (1) BL/RM [77] Penetrati 6 o'clock 12 o'clock 77	INER DEFECT OBSERVATIONS	Fit (49) Cover Condition(s) (so) Gachel Corroded Cracked Missing	Seal Condition (62) Inflow (64) W-Sound Cracked Nw 10 IR		Corrosion Brickwo Corrosion Brickwo Corrosion Brickwo Corrosion Brickwo Corrosion Brickwo Corrosion Brickwo Corrosion Corrosion Brickwo Corrosion Corros	in Wall (For no defect Corros In None In None In SSS In SSS In SSS In SSS In SSS In SSS In SSS In SSS In SSS In SSS In SSS In SSS	Number of Steps (89)
Inspection FORM Surface Type (28) Surface Type (28) Co C C C C Co C C C C As Co C C C C As Co C C C C As Co C C C C As Co C C C C Co C C C C C Co C C C C C Co C C C C	MANHOLE COMPONENT AND CORROSION/LI	Shape (40) Type (44) Solid Vented # 2 (46)	n(s) (61) Offset Distance (63) Missing in Corroded Coated	Depth (69)	Depth (74) Type (72) If U. 2 d Concentric	Depth (79)	Channei installed (85)
NH Use (17)	MANHOLE COMPONE	Size (41/42) in Material (43) in H CAS	Material (57) Condition(s) (61) M Sound Miscond Miscond Condition(s) (61)	CHIMNEY Materiai(s) (66) Coat/Liner (70) D BR D RCP D C D C	Material(s) (73) Coat/Liner (75) Material(s) (73) Coat/Liner (75) Material(s) (73) Coat/Liner (75) Material(s) (73) Coat/Liner (75)	Material(s) (78) Coat/Liner (80) BR CRCP CRCP CRCP CRCP CRCP CRCP CRCP	Bench Present (82)
				4			

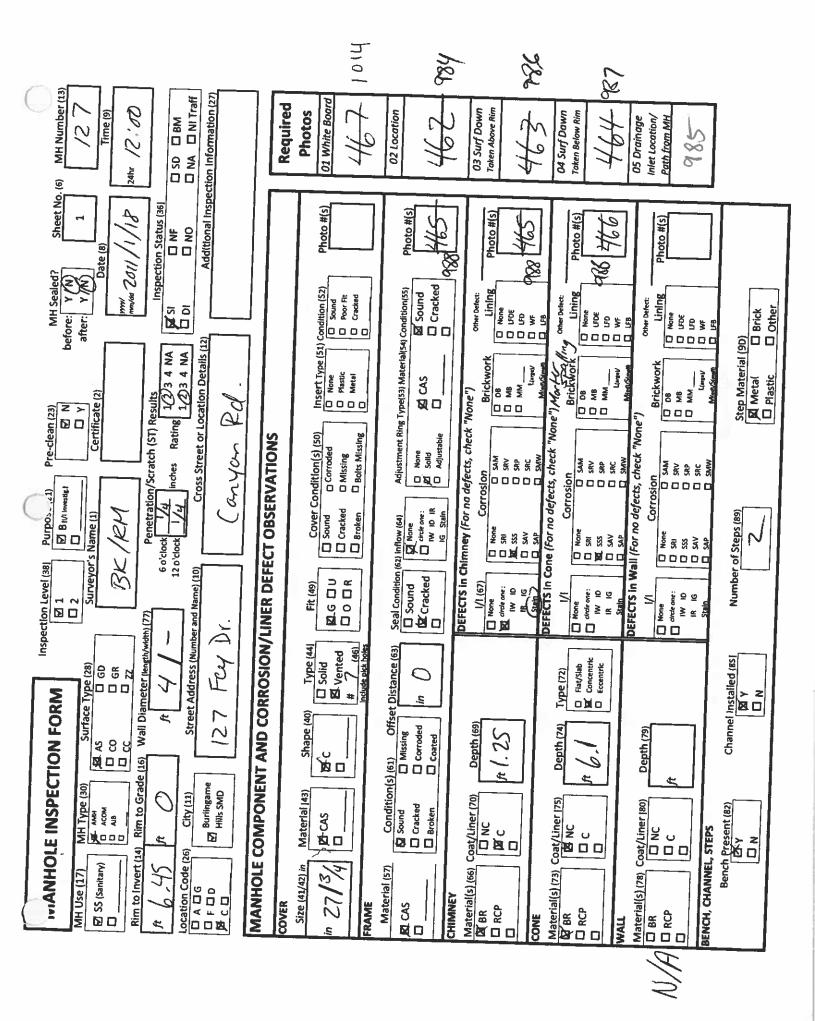
MH Number 125			Seal Condition	Sound	□ Defective	Sound 5	□ Defective	Sound	Defective	panos	Defective	Sound		Sound	Defective		Sound	□ Defective
			Condition (99)		☐ Defective	Marsound Marson	□ Defective □	- Sound	□ Defective □	O Sound	e e	D Sound	□ Defective □	D Sound	□ Defective □		D Sound	□ Defective
		OPTIONAL	Width (98)															
			Diameter (97)		9	7	2						11.					
£2				Orcular O Recompular Square		Circular Rectangular Square		Chrouler Rectangular Square		Circular Rectangular		Chroller Chroller Chroller Chroller Chroller		Chroniar Chroniar Chronia			C Square	
			Material (95)	5 \$ 3 \$		5 \$ 3 ×		000 \$\$			3 4 5	553	2 × ×	2 0 0	1000 8		\$ 3 4	
	,		Rim to Invert (93)	67	- 1	47												
7			Special Condition (101)	OV (Out Drop Up) Of (Out Drop Low) If (in Drop Loy)	☐ FM Ferra Main; ☐ LB (Learni)	OU (Our Oraș Law) Ou (Our Oraș Law) Ou (in Oraș Law)	☐ FM (Force Main) ☐ LB (Latural)	O OU fout one ue) O (fout one low)	It in Drap tow; FM (Force Main) LB (Lewra)	O OU JOH Drop Upf	O IL (in Drap Low) O FM (Force Main) O 18 (Leteral)	CI OU (Out One) Up) CI OL (Out Drop Low) CI (In Drup Up)	O It (in brop Low) O FM (Force Maint) UB (Leteral)	OU (Dut Drop Up)	O IL (in Drop Low) O FM (Force Main) O LB (Leteral)	O OU four three last	☐ IV (in Drop Lip)	C FM (Force Main)
		REQUIRED	Direction (94)	<u>.</u>		.⊆ č		<u>.</u>			Out	Ë	1	n)			<u> </u>	
	ECTIONS		Clock Position (92)	9		1.39												
H	PIPE CONNECTIONS		Pipe Number (91)	Ħ		~	,					-						



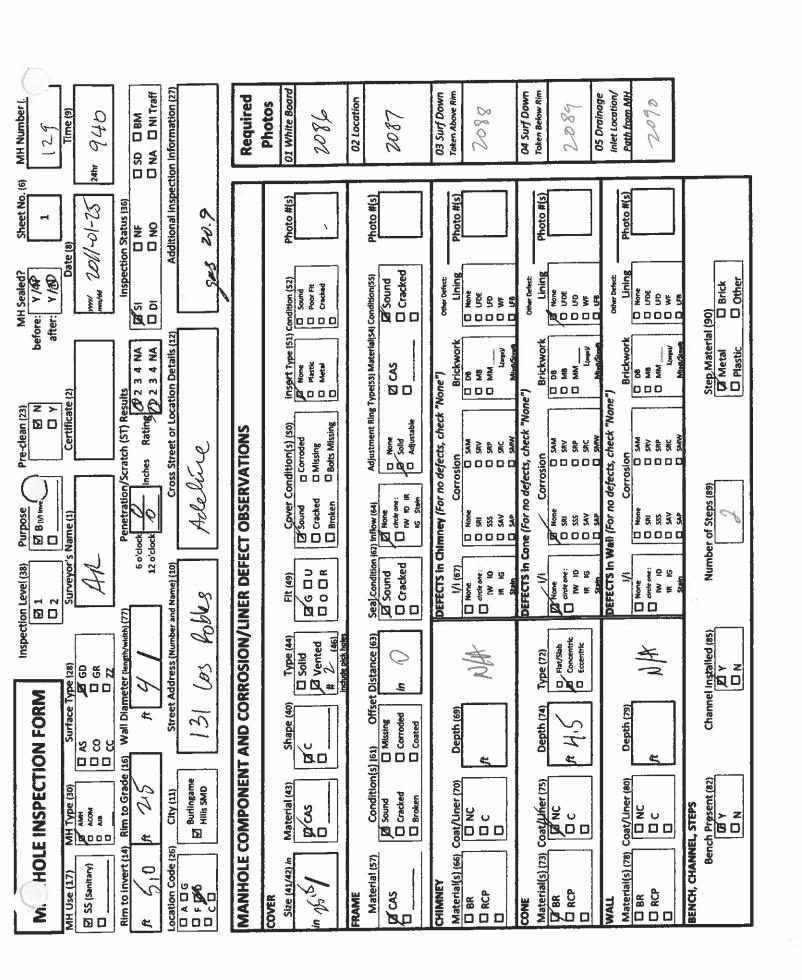
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MH Number				Seal Condition (101)	bunos)	☐ Defective	pd. Sound	C Defective	bunos a	D Defective	Sound	□ Defective	Dunos 🗆	□ Defective	D Sound	□ Defective	punos 🛭	D Defective
				Condition (99)	M Sound	□ Defective	ch Sound	C Defective	A Sound	□ Defective	punos-g	D Derective	D Sound	□ Defective	D Sound	□ Defective	D Sound	D Defective
	2	e i	OPTIONAL Midel for	inches														
_		6	Diameter (97)	inches		0	2	Q	7		2	,				San C		
			Shape	(96)	Rectangular Square Arched	1.70	Crouder C Rectangular Square Arched		D Square C Arched		Crouler Rectangular Square Arched	, indicate of	O Square		Clrostar C Rectangular C Square		Circular Rectangular Square Arched	0
3			Material		₽\$ \$\$\$;		្នុង		\$ \$ 3 4 5	- 1	04000 \$\$355		5 g s		0000 5538		0000 2584	
T T			Rim	(83)	5.5)	1.7		5.0		40							
7			Special	Condition (101)	Ol (Out Drop Low) Oll (in Drop Up) Oll (in Drop Low) FM fforce Mann	O Ulbergan	OL (Due Ores Low) OL (In Ores Low) OL (In Ores Low) OL (In Ores Low)	O Us (seemit	Ot.(Out Dree Low) Ot.(In Dree Lee) Ot.(In Dree Lee) Ot.(In Dree Lee)	OU (Out Drop Up)	OL(Out Drop Low) Ut (in Drop Lips) Ut (in Drop Lips) Ut (in Drop Low)	D OU (Out Ores Up)	O OLION Drop Low)	D FM Porce Maint D UB (Leteral) D OU Poet Dree Uet	Ol. (Out Drop Low) Ol. (Out Drop Low) Ol. (I. in Drop Low)	FM (Force Main) 1.8 (Laterar) 2. OU Jour Drop Up)	Ol (Det Brop Low) If the Brop Low) I the Brop Low)	LB (Lateral)
		REQUIRED	ā	<u> </u>	© ☐ ☐		- 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5		12K 10 Out		D Dut		5 0 0 0	å	e o		ي ق ت ت ت	
	VECTIONS		Clock Position		9		7		0				·		<u> </u>			
S. rCH	PIPE CONNECTIONS		Pipe Number				2		2		J					1	<u> </u>	



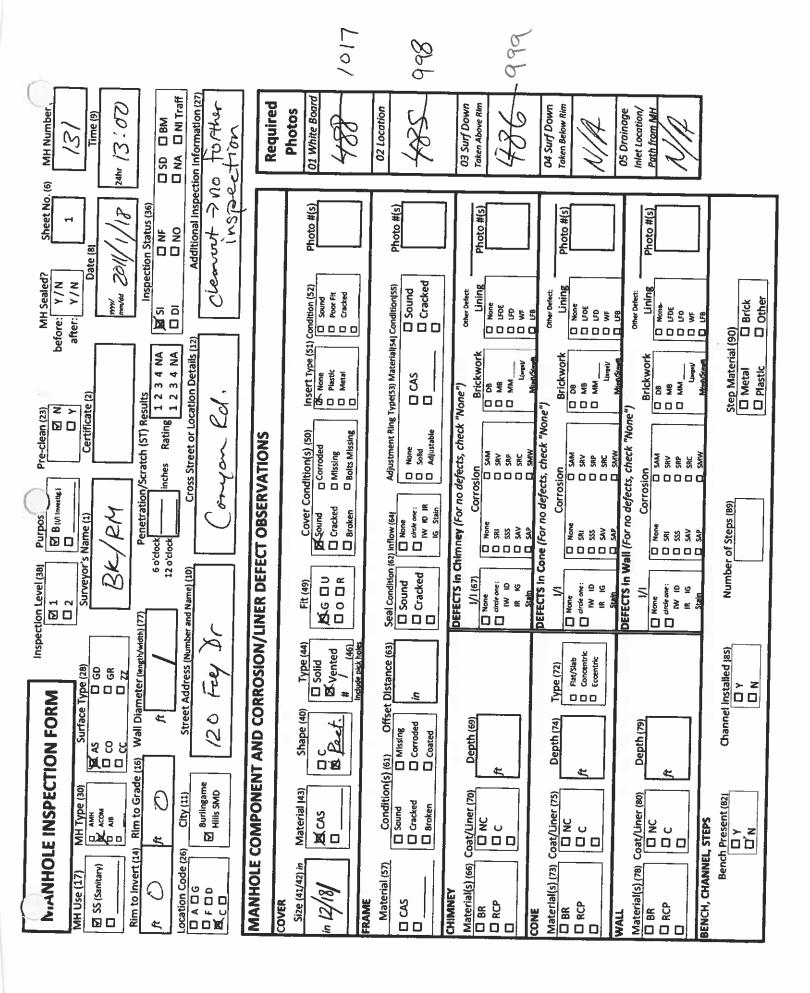
C Ped		Г							_			\top			T	-	7			_		_
MH Number			Seal Condition	(101)	Sound	□ Defective	S. Count	Defective		A Sound	□ Defective		Dunos a	☐ Defective	Sound	Defective		Dunos 🗆	D Defective	Feires		
			Condition	(66)	M Sound	□ Defective	Sound	□ Defective		M.Sound	□ Defective	Paris C		U Derective	D Sound	□ Defective		D Sound	□ Defective	D Sound	□ Defective	
			OPTIONAL Width (98)	Inches																01		
			Diameter (97)	Inches		9	_	٥			>											1
K = =			Shape	(96)	O Rectangular O Square		Chroller Rectangular	Arched	Chroder	Rectangular Square Arched		Circular Circular Circular Circular	C Arthed		Chroller Chrolingular Square			C Square		O Crouler O Rectangular		
			Material	(95)) \$ 3 ×	2 2	ි ද ද	}	1 2	- 5 2 2 4			3 4 5		5			288	¥		2 2 2 3 3 3 4 5 7	
1 m			Ē	93)	Sh)		01/1	6.43		5/ 9	1					_						
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\			Special	OU (Out Drop Up)	Ol (Our brap Low) I'll (in Grop Upt	☐ FM (Force Main)	OU tour brop up:	It (in trop tow) FM (force Main) Is (urens)	C OU fow one Up)	Of (Out true Low) Of the bree true) Of the bree true)	UB (Lateral)	CU (Out Drop Low)	It (in Dros Low)	☐ LB (Leteral) ☐ OU (Out Drop Up)	Of four Ones Lead	FM (Force Main)	OU (Out Days Up)	I U (in Drop Up)	TM (force Main)	OU four bree Up) OU (Out Dree Law) U (in Prep Up)	O II, the Orop Low) O FM (Force Main) G US (Laveral)	
		REQUIRED	Direction	ł	⊠ ⊡ Out	- 1	E In			EQUID F F F F F O F F					.s. (<u>.</u> 6		£		
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S/GH	PIPE CONNECTIONS		Pipe Number (91)		₩		^	J		\sim												

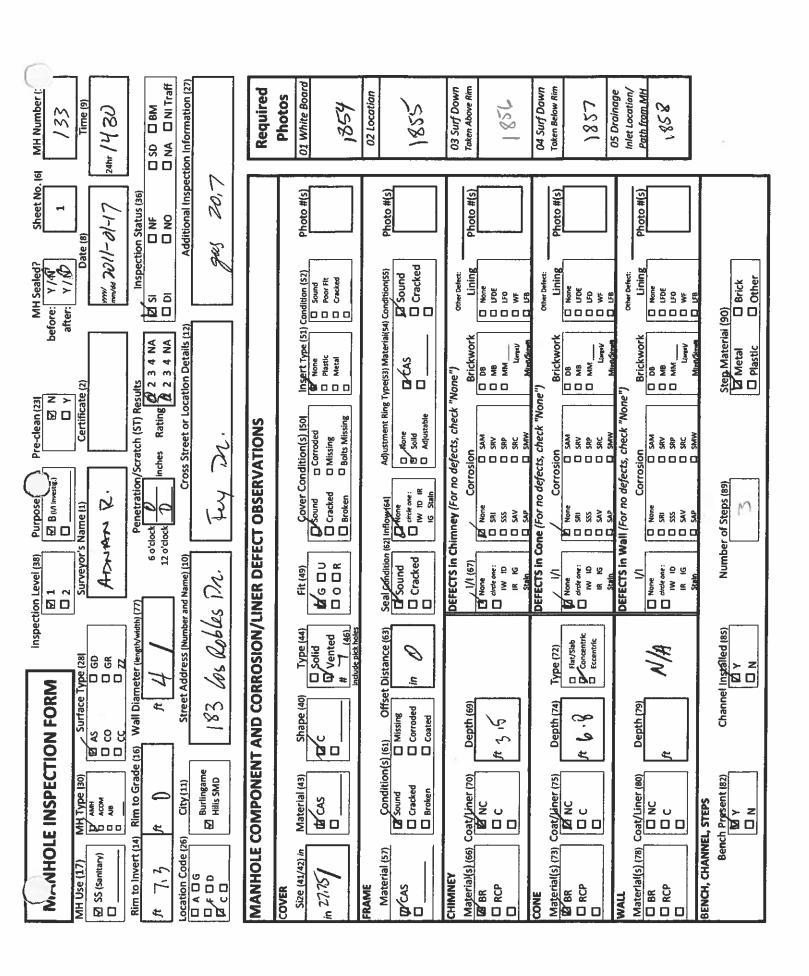


MH Number			Seal Condition (101)	D. Sound	□ Defective	punos d	□ Defective	punos 🛭	O Defective	D Sound	C Defective	punos 🛭	□ Defective	D Sound	D Defective	D Sound	☐ Defective
			Condition (99)		□ Defective	punos	☐ Defective	D Sound	□ Defective	D Sound	O Defective	D Sound	□ Defective	D Sound	c) Defective	D Sound	□ Defective
		OPTIONAL	Width (98)														
			Diameter (97)	80		8	· ·										
				G Chrutar Rectangular Square	D Arched	Chouler Chouler Chouler Chouler Chouler Chouler Chouler Chouler		Chroller Rectangular Square		D Chouler C Nectangular C Source		Orouter O Rectangular	n Arched	O Orcular D Rectampater		O Croular O Rectangular O Square	O Arched
			Material (95)	5 5 3	¥ ¥	ο ρ (ο 5		5 6 3	2 k	2 0 3 0 0 0	28	\$ 5 3 0 0 0	8 %	200	3 6 5	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	2 × ×
			Rim to invert (93)		20	11.9	1										
×			Special Condition (101)	OU (Ow Drop Up)	I. (in Drop Low) FM (force Man) L8 (Lateral)	OU (Out Drop Up) OI, (Out Drop Upu) Ui (in Orop Up)	O IL (in Drap (ow) O FM (Force Main) O LB (Leternt)	Of for any low)	It (in Drap Low) FM (Force Main)	CO (Out Drop Up) CO (Out Drop Low) CO (Out Drop Low)	It (in Drop tow) FM (Torce Main) LB (Letteral)	C) OU (Out Drop Up) C) OL (Out Drop Low) C) IV (in Drop Up)	N. (in Drup Low) PM (Force Male) Lis (Loteres)	OU (Out Drop Up) OI, (Dut Drop Leuf) IU (in Oros Up)	It (th Dros Low) FM (Force Main) US (Letered)	O OU (Ost Dans Us) Of, (Ost Dans Lear) I U (in Grap Up)	K (in Drop Low) FM Porce Main) L8 (Laveral)
		REQUIRED	Direction (94)		E Out	n m		<u>=</u>			□ Out		D Š		D Out		□ out
	ECTIONS		Clock Position (92)	9			,					1.0					
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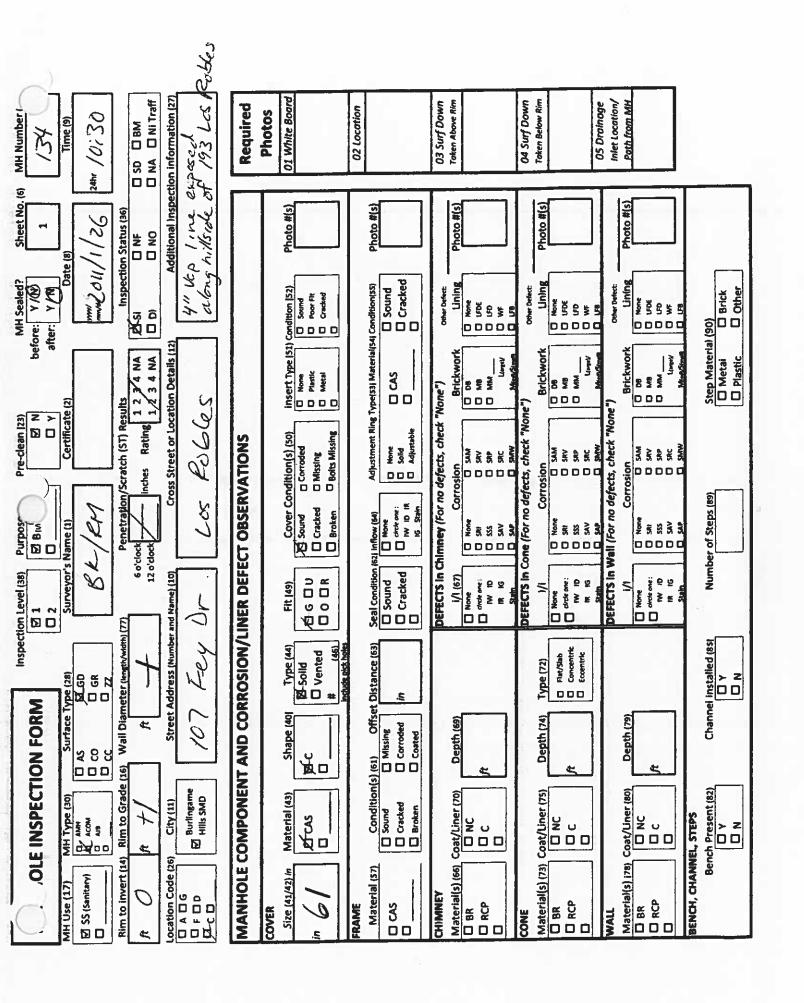
Sheet No. (6) MH Number (1	Required Photos	01 White Board	02 Location 2082	03 Surf Down Taken Above Rim 2083	04 Surf Down Token Below Rim	Inlet Location/ Path from MH 2085
Sealed? Sheet No. (6) Y/(N) Date (8) Inspection Status (36) Si		Photo #(s)	Photo #(s)	Photo#(s)	Photo #(s)	Photo #(s)
MH Series		Insert Type (51) Condition (52) From Sound Plastic Metal Cracked	il(s4) Condition(s5) A Sound Cracked	Other Defect: Lining Those Dive	80000	coher Defect Lining Defect
3 4 N/ 3 4 N/ n Detail			Adjustment Ring Type(s3) Material(s4) Condition(s5)	Ck "None") Brickwork Brickwork D 08 D MM Lorent Mandalaman	None") Brickwork Brickwork O N8 O N8 O NM United	None") Brickwork D 08 D MM Lings/ Lings/ Step Material (90) Id Metal D Plastic
wrpose Blut ince: Blut ince: Certificate (2) Certificate (3) Certificate (2) Certificate (3) Certificate (3) Certificate (3)	ERVATIONS	Cover Condition(s) (50) Sound □ Corroded Cracked □ Missing Broken □ Bolts Missing		DEFECTS in Chimney (For no defects, check "None") Bric	DEFECTS in Cone (For no defects, check "None")	rosion rosion con a contract, c
	EFECT OBSI		Seal Condition (62) Inflow (64) Sound Cracked Nw 10 IR	5 in Chimney (Fo 67)	S in Cone (For no	if Cor no def if Cor no def if Cor no def if Cor no def if Cor no def if Cor no def if Cor no def if Cor no def if Cor no def if Cor no def if Cor no def if Cor no def if Cor no def if Cor no save in Cor no def if Cor no def i
Number and 100 60 60 60 60 60 60 60 60 60 60 60 60 6	ON/LINER DEFECT OBSERVATIONS	Solid Eff (49) Solid Eff □ U Vented □ 0 □ R		DEFECTS In 1/1 (67) None Orderone: IN ID R G		(88)
GR GD GR GD GR GD GR GD GR GD GR GD GR GD GR GD GR GD GR GD GD GR GD GD GD GD GD GD GD GD GD GD GD GD GD		Shape (40) Type (44) C Solid Z Vented # 2 (46) Induction ark boles	ē	Depth (69)	\$ 0,00	Depth (79)
	MANHOLE COMPONENT AND CORROS	(43)	Condition(s) (s1) Offisond Cound Dissing Cracked Corroded Broken Coated	لــــــــــــــــــــــــــــــــــــــ	لگا	r (80)
Min Use (17) MH Type i30 S (Sanitary) S S (Sanitary) S S (Sanitary) S S (Sanitary) S S (Sanitary) S S (Sanitary) S S Sanitary) S S Sanitary) S S S Sanitary) S S S Sanitary) S S S Sanitary) S S S Sanitary) S S S Sanitary) S S S Sanitary) S S S Sanitary) S S S Sanitary) S S S S Sanitary) S S S S Sanitary) S S S S S S S S S S S S S S S S S S S	HOLE COMP	(42) in	AME Material (57) Conditi CAS Cracked Gracked	CHIMNEY Material(\$) (66) Coat/Liner (70) D BR D RCP D C	Material(s) (73) Coat/Liner (75) G BR G RCP C C	(s) (78)
MH Use (17) S (Santary) Rim to invert ft 518 Location Code O A O G F Ø D C O C	MAN	Size (43,	FRAME Mate	CHIMNEY Material 0 BR 0 RCP	Materia Materia CD BR	WALL Materia D BR D RCP D RCP

														,			
MH Number			Seal Condition (101)	Dunos &	□ Oefective	P Sound	□ Defective	Sound	☐ Defective	D Sound	☐ Defective	D Sound	D Defective	punos 🗖	□ Defective	punos 🗆	□ Defective
			Condition (99)	Sound	□ Defective	punos	☐ Defective	Sound	□ Defective	D Sound	□ Defective	D Sound	☐ Defective	D Sound	□ Defective	D Sound	□ Defective
		OPTIONAL	Width 198) inches														
		0	Diameter (97)	60)	Ö	<i>•</i>	Ö	0								
			Shape (96)	G Chrouler Chrouler Counce	D victored	D Square		G Chrolier Rectangular Square		O Creater Recongular		Circular Circular	Arched	O Grader O Recongular		Chrouter C Rectangular Source	
			Material (95)	5 \$ 3 :	, g	0 0 0 5 5 3	000 8	0 gr 0 5 y 3	2 k	\$ 6 8 0 0 0	3 2 2	200	3 2 3	\$ \$ \$	3 4 8	5 \$ 3	2 Z
7,			Rim to invert (93)		è		2,0		5,0								
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	ECTIONS		Ciock Position (92)	9		3		1.1									
NS SK	PIPE CONNECTIONS		Pipe Number (91)	1		4		0	5								





MH Number 1 53			Seal Condition (101)	punos A	□ Defective	Tound Sound	O Defective	D Sound	□ Defective	Corne	Defective	punos 🗆	□ Defective	punos 🛭	□ Defective	punos 🛭	□ Defective
	:		Condition (99)	punos	□ Defective	pungs p	□ Defective	D Sound	□ Defective	Pall of	□ Defective	Dunos 🗆	□ Defective	punos 🗆	□ Defective	D Sound	O Defective
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		Ĭ	Diameter (97)	8	S	,	≫										
1				Circular Circular Circular Circular Circular Circular Circular Circular Circular Circular Circular Circular Circular Circular		Circular Circular Circular Circular Circular		Circular Creater		Chroter Chroter		Circular Circular Circular Circular	Parties C	Chrouler C Rectangular C Square		Circular C Rectangular C Square	
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			Rim to Invert (93)	-		7,7	Si										
			Special Condition (101)	COU (Out Drop Up) CO OL FOUR Drop Up) CO II (in Drop Up) CO II (in Drop Up)	☐ FM (Force Main)	C OV (Out Drop Up) C Ot (Out Drop Low) C IV (in Drop Up)	C) It (in those Low) C) FM (force Main) C) LB (Leveral)	OU (Out bross Up)	It (in Drop tow) FM (forts Main) IB (Lineral)	OV (Out thus Us)	C I'U fin Drop Up(C) I'L (in Drop Low) C) FM (Force Main)	C OL (Out Drop Low)	C It (in Drop Low) C FM (force Main)	COU (Out Drop Up) COU (Out Drop Low) COU (In Grop Low)	It (in Orași Low) FM (force Main) U.B (Lateral)	C OU (Out Drop Up) C OL (Out Drop Low) C IU (in Drop Up)	O IL (in Orașe Lawe) C) FM (Force Main) C) LB (Lateral)
		REQUIRED	Direction (94)	<u> </u>		u Z			00		- ŏ - O		o o	_ = =		<u>=</u>	
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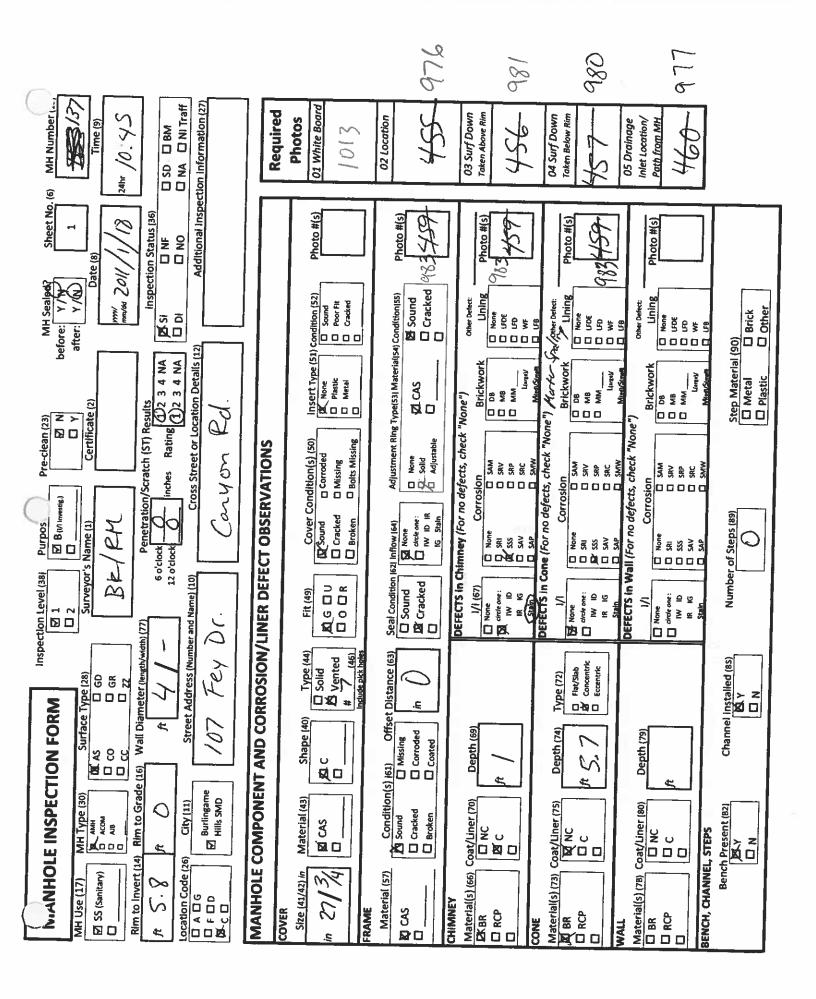
Sheet No. (6) MH Number (4.3) Ite (8) II / 1/8	Required	Photos OI White Board 497 1018	490 (000	03 Surf Down Taken Above Rim	Od Surf Down Taken Below Rim	05 Drainoge inlet Location/ Path from MH YOU YOU YOU YOU YOU YOU YOU YO	
Pre-clean (23) MH Sealed? Certificate (2) Certificate (2) After: Y/60 After: Y	R DEFECT OBSERVATIONS	Cover Condition(s) (so) insert Type (51) Condition (52) Photo #(s) Sound Corroded Solution (52) Photo #(s) Cracked Dissing D	C None Adjustment Ring Type(S3) Material(S4) Condition(S5) Photo #(S) C None C C C C C C C C C C C C C C C C C C		Brickwork Brickwork D8 D8 D8 Unred Unr	* 00000	teps (89) Step Material (90) Metal EBrick Plastic Other
1	MANHOLE COMPONENT AND CORROSION/LINER DEFECT	7/3/ vd CAS	Material (57) Condition(s) (61) Offset Distance (63) Seal Condition (62) Inflow (64) ACCAS	s) (66) Coat/Liner (70) Depth (69)	ial(s) (73) Coat/Liner (75) Depth (74) Type (72) One NC One of the control of t	ial(s) (78) Coat/Liner (80) Depth (79) P	Bench Present (82) Channel Installed (85) Number of Steps (89)

/35			20 10 20	Seal Condition (101)	M. Sound	□ Defective		M Sound	□ Defective		Dunos 🗆	□ Defective		D Sound	□ Defective		Dunos D	☐ Defective			□ Defective			a Defective
			0	(96)	Dsound	□ Defective	,	Desound Page 1	□ Defective		D Sound	□ Defective		D Sound	□ Defective		Punos	□ Defective	D Sound		☐ Defective		_	□ Defective
			OPTIONAL Width cer	inches															V)					
			Diameter (97)	inches	(٩			9		•													
			Shape	(96)	Rectangular Square	word	PK Chouler Recommuter	Square		Chouler Character	O Square			C Square		Circular Rectangular			Circular Rectangular	Arched		C Rectangular	Square O Arched	0
0 +2			Material	(95)) X C C C C C C C C C C C C C C C C C C C	2	200	(00 8 ×	¥		3 %			338		و ق			\$ \$ \$		- 4		3 4 5	
			Ē	(93)	07	i		62	- 1							996110								
			Special	OU tok they the	O U (in Drop Low) U (in Drop Lot) U (in Drop Low)	FM (Force Main) LB (Lecenar) Collection	OL four bros Low)	C IV (in Drop Up) It in Drop Low)	U VM (Force Main)	Of four Drop Low)	If the Drops Lower	[] LB (Leteral)	OV TOW Drop Up)	Clift (in Drop Up)	C 18 (Leteral)	Of four brop Low	H. Hin Drop Low.)	Us (Leteral) J OU (Out Dres Up)	Of fow propland	J. P.L. (in Drop Low)	1 LB (Leteral) 1 OU (Out Drop Up)	OL (Out Drop Low)	It (in Drap Low) FM (Force Main)	[] (B (Lebra)
		REQUIRED	Direction	1	E C			oort			o o			, j			D Oct		<u> </u>			=		
	IECTIONS		Clock Position		9		1/22	P.//																
H L	PIPE CONNECTIONS		Pipe Number (91)		1		١	7							1									

MH Number (in 136 138 138 138 138 138 138 138 138 138 138	Required	26 939	02 Location 270	03 Surf Down Token Above Rim 2772 04 Surf Down Taken Below Rim 2773 05 Drainage Inlet Location/ Path from MH
ter: Y/N 1 ter: Y/N 2 Mark	Condition (52) Photo #(s) Sound Poor Fit Cracked	Photo #(s) [4] Condition(55) [4] Condition(55)	Other Defect Lining Photo #(s) Curve Defect Lining Photo #(s) Curve Defect Curve Cur	
S Name (1) S Name (1) S Name (1) Certificate (2) Certificate (3) Certificate (2) Certificate (2) Certificate (2) Certificate (3) Certificate (2) Certificate (3) Certificate (2) Certificate (3) Certificate (2) Certificate (3) Certificate (3) Certificate (3) Certificate (3) Certificate (4) Certificate (4) Certificate (4) Certificate (4) Certificate (4) Certificate (4) Certificate (5) Certificate (6) Certificate (6) Certificate (6) Certificate (6) Certificate (7) Certificate (R DEFECT OBSERVATIONS	Fit (49) Cover Condition(\$) (50) Insert Type (\$1) Condition (\$2) G □ U ☑ Sound □ Carcked □ Missing □ Metal □ Cacked O □ R □ Broken □ Bolts Missing □ Metal □ Cacked	Seal Condition (62) inflow [64) Sound Cracked	
Min Use (17) Min Type (30) Surface Type (28) Surveyor	MANHOLE COMPONENT AND CORROSION/LINER DEFECT OBSERVATIONS	1/42) in Material (43) Shape (40) Type (44) G CAS CAS CAS CAS CAS CAS CAS CAS CAS CAS	FRAME Material (57) Condition(\$) (61) Offset Distance (63) Seal Material (57) Condition(\$) (61) Offset Distance (63) Seal Condition(\$) (61) Offset Distan	70) Depth (59) Type (72) (72) (74) (75) (75) (76) (76) (77) (77) (77) (77) (77) (77

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MH Number			Seal Condition (101)	Ag Sound		punos 📈	□ Defective	punos 🗹	□ Defective	K Sound	□ Defective	Dunos a	☐ Defective	D Sound	☐ Defective	D Sound	☐ Defective
			Condition (99)	Sound		K Sound	□ Defective	punos p	□ Defective	\$ Sound	□ Defective	D Sound	□ Defective	D Sound	□ Defective	Dunos 🗆	□ Defective
		OPTIONAL.	Width 1981 inches														
		0	Diameter (97)	9	7	//	7	/	0		7						
			Shape (96)	Contain Contai	0	Circular Cir	O Arched	Chrudar Rectangular Square	- Arched	G Circular Rectangular Square	O Arched	Circular Circular Circular Circular Circular		Chruiar Rectangular Square		Chouler C Rectangular C Source	Arched
			Material (95)	2 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		5 5 8		□ ₩□ ₽83		⊡# □ \$\$3		5 % S	1000 14	5 5 3	2 × ×	5 \$ 3	2 × ×
7			Rim to Invert (93)	2		J//	7.50	16/5	7.7	00	Ø-0						
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my		REQUIRED	Direction (94)	in in in in in in in in in in in in in i		三		<u>5</u>	Out	Z I		ë	D Out	<u>=</u>	D Ovit	<u>=</u>	D Out
	ECTIONS		Clock Position (92)	9		۵	0	(/	7/	7.37	المناها						
SKLCH	PIPE CONNECTIONS		Pipe Number (91)	1		C	5	H	1	6	7						



MH Number			Seal Condition	2 Sound	GC-Sound		/B- Sound	bunos D	punos 🛮	□ Defective			□ Sound □ Defective
			Condition	Sound Defective	Sound Defective		P'Sound Defective	□ Sound	D Sound	□ Defective	Dogerting		□ Sound □ Defective
		OPTIONAL	Width (98)										
			Diameter (97)	9	5		\$0						
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\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\			Rim to Invert (93)	5.85	5.65		3.6						
7			Special Condition (101)	COLOUR Once Up) COLOUR Once Law) COLOUR Once Up)	Out (our bree up) Out (our bree up) Ut (in bree up) It (in bree up) If (in bree up) If (in bree up)	OU (Our Drap Up)	O IV (in Drop Up) O IV (in Drop Low) O FM (Force Main) O LB (Luterni)	OU tion they by OU tion they by OU (out they by OU (in they by OU	OU (Out Does Low) OU (In Drop Low) Out (In Orop Low)	LB (Leteral)	O OL (Gost Bross Lous) I'll fin Dross Lous) I'll fin Dross Lous) P M (Forces Main)	OU (Our Drop Up)	N On Grop Lips If I'm Grop Law) FM (Force Main) LB (Lafure)
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	IECTIONS		Clock Position (92)	9	6	_							
9	PIPE CONNECTIONS		Pipe Number (91)	Ħ	2	^	V						

		803	Lea/	2001	600/	<u> </u>	
Sheet No. (6) MH Number (13) Ite (8) If / / / / / / / / / / / / / / / / / / /	Required	Photos 01 White Board	498 498 499	Taken Above Rim	O4 Surf Down Token Below Rim	Inlet Location/ Path from MH	
Y KN Y KN Y KN Y KN Y KN Y KN Y Y KN Y Y KN Y Y KN Y Y Y KN Y Y Y Y		tition (52) Photo #(s) Sound Poor Fit Cracked	Condition(55) Sound Cracked 0 10 202	Uning Photo #(s) None Upp Upp Company Co	Other Defect: Lining Photo #(s) None UP UP UP UP UP UP UP UP UP UP UP UP UP U	Other Defect: Lining Photo #(s) None UPDE UFD WF	ick har
befo aft 3 4 NA 3 4 NA Details (12)	S	SO) Insert Type (S1l Condition (S2) Shone Insert O Plastic In Peor Fit O Metal In Cracked	Material(S4)	Skwork Leres/	Brickwork OB OB OB OB OB OB OB OB OB OB OB OB OB	Brickwork DB C C NM NM Length MM Length Mandamen	Step Material (90) Metal
Purpos B (tr) Inventor S Name (1) Penetrati Penetrati (4)	ER DEFECT OBSERVATIONS	Cover Condition(s) (so)	100	(67) Corrosion None Salv Corrosion Corro		Corrosion Sal Sal Sav Sav Sav Sav	Number of Steps (89)
	OSION/LINER DEF	Type (44) Fit (49) ☐ Solid ☐ Solid ☐ Solid ☐ 446] ☐ □ □ □ R ☐ □ □ □ R ☐ □ □ □ R ☐ □ □ □ R			Type (721 1/i	I/i None drate ove: 1W 1D IR 1G Stain	
H Use (17) Surface Type (28) A Cond of Aus A Cond of Aus Surface Type (28) A Cond of Aus Surface Type (28) Surface Type (28) Cond of Aus A Cond of Aus Surface Type (28) Cond of Aus A Cond	NENT AND CORR	Shape (40)	Condition(s) (61) Offset Distance (63) Sound Missing Cracked Corroded In Broken Coated In In In In In In In In	ft /, 2	7 3 H	(2) Depth (79)	Channel installed (85)
MH Use (17) S (Sanitary) Sim to Invert (14) Rim to Invert (14) Rim to Grade A G Cocation Code (26) Cocation Code (26) Cocation Code (26) Cocation Code (26) City (11)	MANHOLE COMPONENT AND CORROSION/LIN	Size (41/42) in Material (43) in 27/3/4 CAS	Sat Cont	D RCP D C C C C C C C C C C C C C C C C C C	MALL	Materials) 1/8 Coat (Jiner (80) D RCP C C BENCH, CHANNEL, STEPS	Bench Present (82) ロイソ

N/A

MH Number			ition											T			_	<u> </u>
HW WH			Seal Condition	Sound	□ Defective	pr Sound	□ Defective	punos 🗆	□ Defective	punos _	□ Defective	PunoS D	□ Defective	Sound	□ Defective		D Sound	☐ Defective
v .			Condition	KSound	☐ Defective	题 Sound	□ Defective	D Sound	□ Defective	D Sound	□ Defective	D Sound	□ Defective	Dound -	□ Defective		Dound C	□ Defective
		OPTIONAL	Width (98)						-								0	<u>. </u>
		ō	Diameter (97)	7	9	/	0											
			• •	fQ Circular C Rectangular C Square C Arched		B Circular Rectangular Square		C Croster C Rectangular C Square		Chroniar O Rectangular O Square	O Arched	Ckruster C Rectangular Square		O Chouler O Rectangular	Arabed	October	Square Arched	0
() ←2			Material (95)	0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	×	- #0-0 \$%&%		0000 5334	P.C	5 5 S		000 553		\$ \$ \$	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		2000 384	
			Rim to Invert (93)	3.75			′ 1								·		<u> </u>	
An 7			Special Condition (101)	OU (Out Drop Up) O IV (in Drop Low) I II In Drop Low)	C 18 (Leteral)	O Ut (our brap tow) Ut (in brap tow) Ut (in brap tow)	C EM Force Main! C LB (Letteral)	ON (Our Drop Up) ON (Our Drop Low) U (in Oraș Up)	C FM Force Main) C LB (Leteral)	O OU (Out Drop Up) O Li (in Drop Up)	U IL Im Drop Low) D FM (Force Make) LB (Leteral)	C OU (out brop up) C OL (out brop tow) C IU (in brop up)	O 11 (in Orop Low) O FM (ferce Main) O LB (Leteral)	OU last they by:	Cl It (in Drop Low) FM (Force Main) Lis (Luceral)	OU (Out Drop Low)	O IU (in Drop Up) O It (in Drop tow)	T 18 (Leteral)
		REQUIRED	Direction (94)	© □		F C	- [= 0 = 0		<u>\$</u>		ا O ا		. <u>s</u>			e of	
	ECTIONS		Clock Position (92)	9			-											
ਲ ਲ	PIPE CONNECTIONS		Pipe Number (91)	↔		2												

	_	_																
MH Number (3)	Time (9)		O SD O BM	1 51		Required	Photos	257	02 Locotion	552	03 Surf Down Taken Above Rim	75%	04 Surf Down	Taken Below Rim	05 Drainoge Inlet Location/	Path from MH		
Sheet No. (6)		Inspection Status (36)		Additional inspect				Photo #(s)		Photo #(s)	Photo #(c)	852		Photo #(s)		Photo #(s)		
before: Y/N	2 pp/mm/	Inspect	<u>is</u> □					Insert Type (51) Condition (52) G None		Cracked Crac	Other Defect:	2 0000	Other Defect:	0000	1	Lining Brone		Step Material (90) A Metal B Brick Plastic C Other
an (23)	Certificate (2)	T) Results	Rating (1/2 3 4 NA (1/2) 2 3 4 NA	Cross Street or Location Details (12)	19 Dr.	S				Adjustment Ring Type(53) Material(54) Condition(55)	heck "None") Brickwork	MM C	c "None")	Brickwork	"None")	Brickwork		Step Mater
Purpose Pre-clean (23)		Penetration/Scratch (ST) Results	OO inches Ra	Cross Street	La Questa	BSERVATION		Cover Condition(s) (50) Sound Corroded Cracked Missing Broken Bolts Missing		<u></u>	(For no defects, cl		r no defects, check	Corroslon	no defects, check	Corrosion SAM	1	(68) 5d2
	B/C		6 o'clock 12 o'clock	Name) (10)	<i>K</i>	ON/LINER DEFECT OBSERVATIONS		Fit (49) Cover C K G D D Cracked C D C R D Broken		Seal Condition (62) Inflow (64) Cound Cound Cracked In order or in the inflow (64)	DEFECTS in Chimney (For no defects, check "None")	Mone Grade one: SRI IN 10 IN 1	in Cone	0010	Statu I D SA' DEFECTS in Wall (For no defects, check "None")	/		Number of Steps (89)
inspection Level (38)	/pe (28)	Wal) Diameter (kngth/width) (77)	-16	ddress (Number and Name) (10)	anyon R			Type (44) Solid Vented # (46)	ndude pick holes	Offset Distance (63) See	3C	18 D	30	Type (72) C flat/Slab C concentric C Eccentric	30	<u> </u>		Channel Installed (8s)
MANHOLE INSPECTION FORM	Surface Type (28) Max	ч.		Street Address	294H (MANHOLE COMPONENT AND CORROS		Shape (40)		Alissir	Deoth (69)	45		Depth (74)		Depth (79)		
LE INSPECT	MH Type (30)	(14) Rim to Grade (16)	0	(26) Clty (11)	Burtingame Hills SMD	COMPONE	ı	Material (43)		Condition(s) (s1)	S Coat/Liner (70)	RCP DRCP		Material(s) (73) Coat/Liner (75) Ki BR C C C C C C C C C C C C C C C C C C C		Material(s) (78) Coat/Liner (80) K BR C RCP C C	NEL, STEPS	Bench Present i82)
MINIMO	MH Use (17) S (Sanitary)	Rim to Invert (14)	# 7.3	Location Code (26)		MANHOL	COVER	Size (41/42) in in 27/34	FRAME	Material (57)	CHIMNEY Material(s) (66	R BR	CONE	Material(s) (73 Kg BR	WALL	Material(s) (78	BENCH, CHANNEL, STEPS	Δ.

MH Number Seal Condition \sim Defective (101) □ Defective □ Defective Defective Defective M Sound pk Sound Sound Sound Sound Condition □ Defective □ Defective □ Defective □ Defective □ Defective D Sound 6-Sound punos p Sound D Sound Width (98) inches OPTIONAL Diameter (97) 80 Rectangular Square Arched Rectangular Rectangular Rectangular Rectangula Shape Square Square Square Circular 96 **×**000 000 0 0 0 0 00000 00000 00000 Material 5 5 3 4 5 55858 2 2 3 4 5 3 6 8 6 8 \$ \$ 3 4 \$ 2 2 3 4 5 00000 020000 040000 020000 000000 Rim to Invert \sim \mathbb{N} 39 Condition [101) I (I fin Drop Up)

II (In Drop Low)

FM Iferes Main)

US (Latered)

OU (Our Drop Up) | 18 (Learne) | CV (Cox Drop Up) OL (Out Drop Low)

I IU (in Drop Up)

II (in Drop Low)

FM (force Main) ☐ LB (Leteral) ☐ OU (Out Drop Up) UB (tataret) O'L (Out Drusp Low) C 18 (Leteral) OL PONt Drop Lover Of (Our Drop Low) OU (Det Drop Up) ll. (in Orop Low) O IU în brop Uși O II, în Drop Low) O FM (force Main) | It (in Drap Low) | FM (Force Main) IV (In Dresp Up) O IU (In Drop Up) Special REQUIRED Direction ē ţ **运**口 20 20 20 ± 0 □ **Ø** ⊒ ᅙᄙ ᆵ 8 Pipe Number | Clock Position PIPE CONNECTIONS 3 (26) φ SKLA 3 (91) 0

Defective

□ Defective

Sound

D Sound

Rectangular

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Square

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Defective

□ Defective

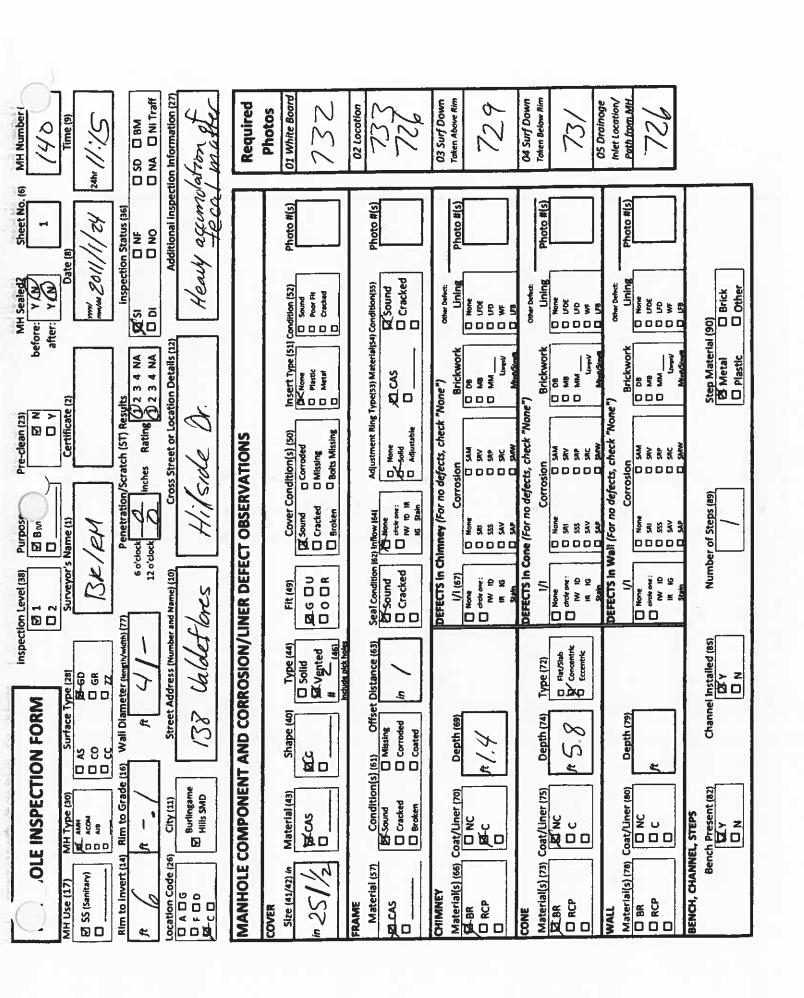
Sound

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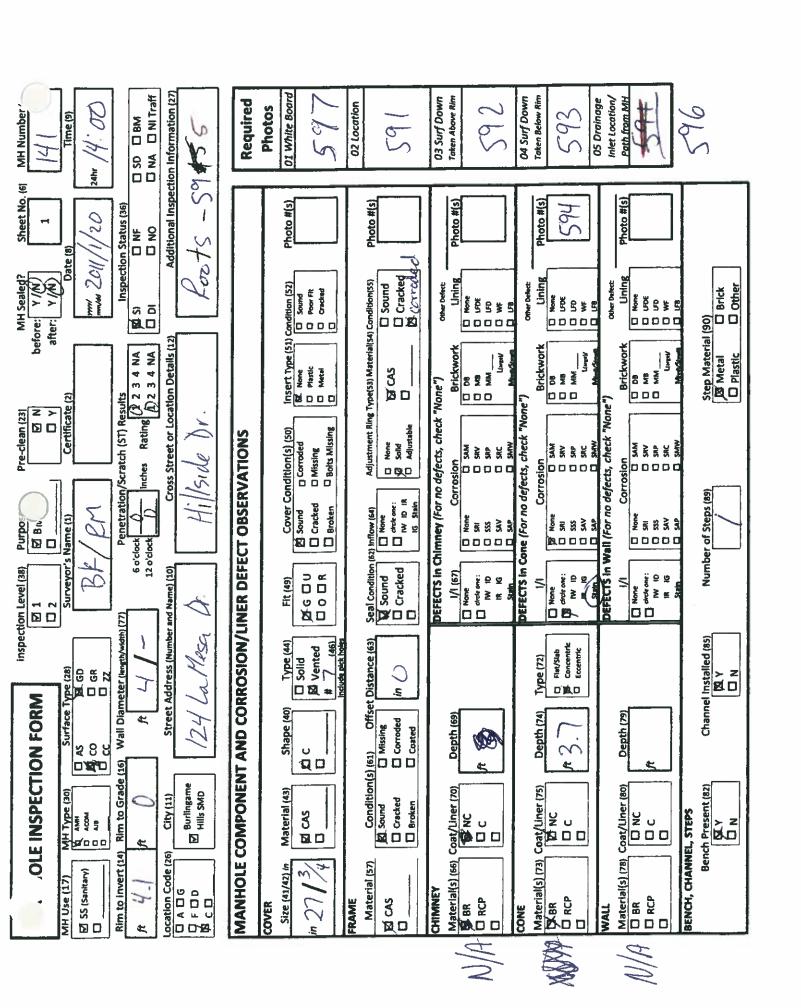
Rectangular

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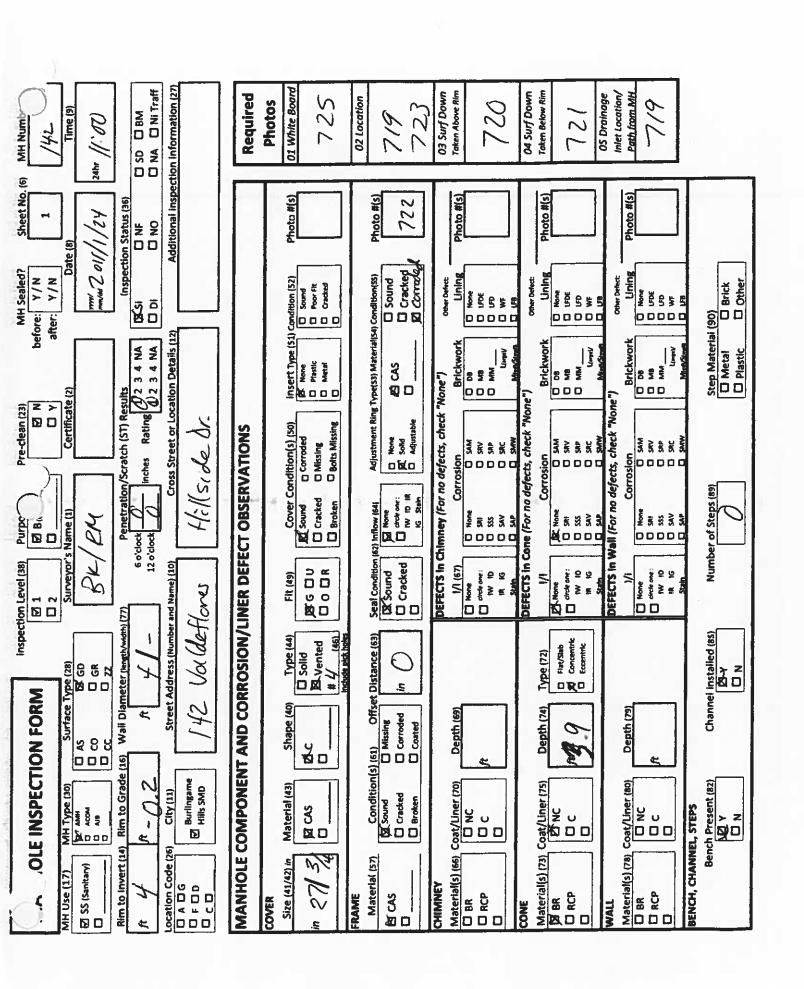


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MH Number			Seal Condition (101)	(K Sound	C Defective	GC Sound	O Defective	PK Sound	C Defective	D Sound	O Defective	D Sound	a Defective	D Sound	Defective	D Sound	O Defective
			Condition (99)	MSound	O Defective	desound	C Defective	puno pi	C Defective	D Sound	O Defective	D Sound	() Defective	O Sound	□ Defective	D Sound	© Defective
		OPTIONAL	Width (98) inches														
		0	Diameter (97) inches	/	6	1/	۲.	1	9								
			Shape (96)	Chruster C Rectangular C Square		Oroder O Rectargular O Square		O Chroder O Recongular O Square		O Creater O Recomputer	Arched	Chroster Chroster Chroster Chroster Chroster Chroster Chroster		Orcider O hectengaler	Packed C	O Cheater O Rectangular	
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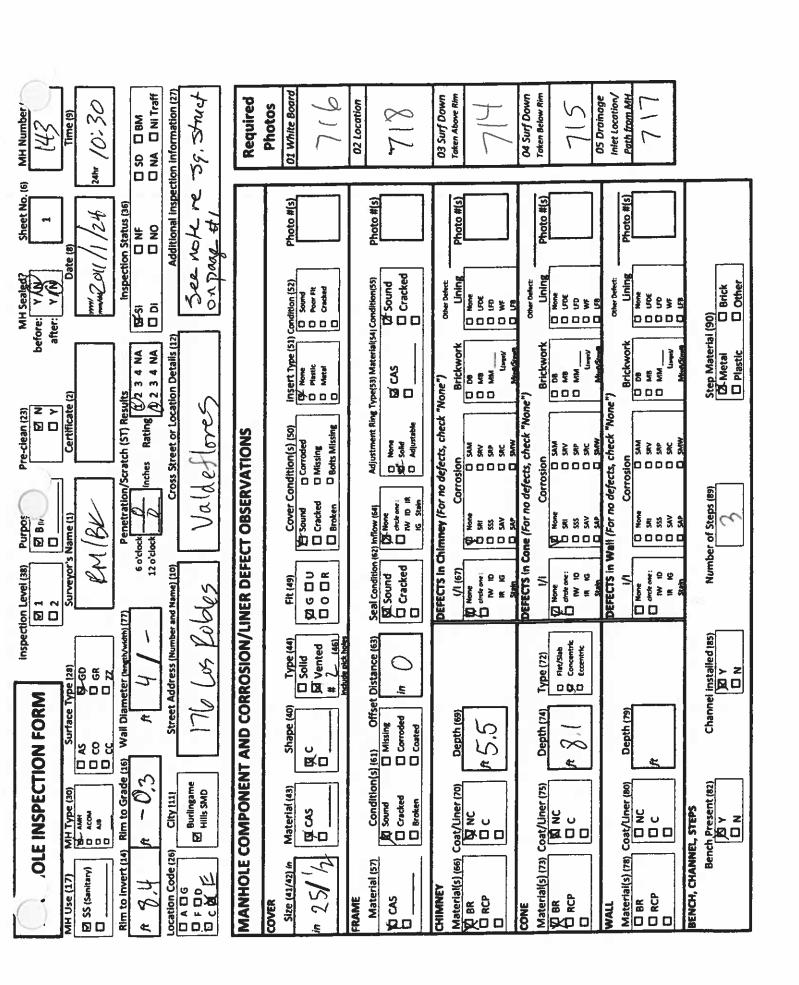


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- Lower Land

Sheet No. (6) MH Number (1) Ite (8) Itime (9) Itime	Required	Photos 01 White Board	S.92	03 Surf Down Taken Above Rim	04 Surf Down Taken Below Rim	(209)	inter tocation/ Path from MH	
Sheet No. (6) (N) 1 Date (8) W ZOV///ZO 2 Inspection Status (36) In NF In NF Additional inspect		Photo #(s)	Photo #(5)	Photo #(s)	Photo #(s)		Photo #(s)	
MH Sealed? ore: V(N) partial Color of the color of the		(NSert Type (51) Condition (52) Browne Sound Sound Plastic Pearli Metai Cached	(54) Condition(55)	Lining Lining Outer Defect: Control Co	°	0 600 0 600 0 60	00000	lal (90) C) Brick C) Other
B A NA B A NA Details (Adjustment Ring Type(53) Material(54) Condition(55)	Brickwork		Agents Ag	Vane") Brickwork D bs D bs D bs D bs D bs D bs D bs D bs	Step Material (90) [2] Metal Constitution of plastic
	ERVATIONS	Cover Condition(s) (so) Sound □ Corroded Cracked □ Missing □ Broken □ Bots Missing		DEFECTS in Chimney (For no defects, check "None") / (67)	DEFECTS in Cone (For na defects, check "Nane") 1/1 Corrosion	W\$5 0 0 0 0 0	DEFECTS in Well (For no defects, check "Nane") None	(69)
	N/LINER DEFECT OBSERVATIONS		Seal Condition (s2) Inflow (64) County Coun	ECTS in Chimney (FO 1/1 (67) one one one in St None in No in St St St St St St St St St St St St St	TS in Cone (For no 1/1	75 55 55 55 55 55 55 55 55 55 55 55 55 5		Number of Steps (89)
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Surface Type (28) Surface Type (28) S	VD CORROS	Shape (40) Type (44) C Solid	(61) Offset Distance (63) Missing Corroded Coared	Depth (69)	Depth (74) Type (72)	6	Depth (79)	Channel installed
OLE INSPECTION FORM MH Type (30) Surface Type (30) Surface Type (30) Surface Type (31) Surface	MANHOLE COMPONENT AND CORROSIO	Material (43) Sh	Condition(s) (61) Sound	(70)	Coat/Uner (75) De	O C C	(88)	esent (82) Y N
MH Use (17) MH T S (Santan) S	HOLE COM	1/42) lm	FRAME Material (57) DE CAS DO C	CHIMNEY Material(s) (ss) Coat/Line JG BR D RCP D RCP	ial(s) (73)		WALL Material(s) (78) Coat/ G BR G RCP G C	Bench, CHANNEL, STEPS Bench Present (82) RY O N

MH Number			Seal Condition (101)	punos p	C Defective	punos pd	C Defective	Sound	ti Defective	punos 🗆	C Defective	D Sound	a Defective	D Sound	□ Defective	D Sound	O Defective
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			Special Condition (101)	C OV (Out Drop Up) C OV (Out Orop (and) C (12 (in Drop Up)	C FL(in Drope Low) C FM (Force Mahu) C LB (Loterna)	C OV (on the Us)	O It the Deep Low) O FM (Force Main) O LB Leterni)	C) OV (Ovi bree us) C) OV (ovi bree taw) C) IV (in bree us)	It (in Due Lev) FM (Ferce Mate) LB (Leteral)	C OU fox bus us C Ot fox bus Loui C ff fin bus us)	C) 1L (in Drop Low) C) FM (feator Make) C) UB (Laterel)	C OU (Det Drop lay) C Ot (Det Orop Law) C It in Draw (w)	O IL (in One Low) O FM (Force Nam) O Lib (Latern)	C) OU (out brus Us) C) OL (out one law) C) U (in brus Us)	C) It fin Dray Low) C) FM (Ferce Main) (j) LB (Letters)	Ot for pre (e)	It fin thus law! FM (force Main) LB (Lawrel)
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	PIPE CONNECTIONS		Pipe Number (91)	+		6	1	~									

EINSPECTION FORM Inspection Level 331 Three level 331 Thre	o. (6) MH Number '	24hr/5		O NA O NITraff	Additional inspection information (27)	plug 1/16"/m	Required	1]6	02 Locotion	669	03 Surf Down	Token Above Rim	04 Surf Down	Token Below Rim	05 Drainage		Γ
OLE INSPECTION FORM	Y (M) Y (N) Date (8)	1771 2011 11/21	Inspectio	2 C		_			e (51) Condition (52) Photo #(s)		erial(s4) Condition(55) Photo #(5)	Other Defect	00000		0000	Other Defect:	00000	terial (90)
Code (28) Code			ation/Scratch (ST) Results		Cross Street or Location Detail	tills, de	SERVATIONS				. = =	For no defects, check "None")				no defects, check "None")	Corrosion SAM SAM Corrosion C	
Cone Coat/Liner (13) Coa	Inspection Level (38) Purpose EO 1 EO 1 EO 1 EO 1 EO 1 EO 1 EO 1 EO	BK/EN	_		(Number and Name) (10)	defines +	ON/LINER DEFECT OB:		Fit (49)	l	Seal Condition (62)	DEFECTS in Chimney (/		DEFECTS in Cone (For I		DEFECTS in Wall (For r	00000	<u>s</u>
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	OLE INSPE		_		ode (26)	2 C C C C C C C C C C C C C C C C C C C	MANHOLE COMPO		41/42) /n		Material (57)	CHIMINEY	i(s) (e6)	CONE	(s) (z)	WALL	H(s) (78)	BENCH, CHANNIEL, STEPS Bench Present

MH Number Seal Condition □ Defective Defective (101) Defective C Defective C Defective D Sound D Sound D Sound D Sound Sound Condition Defective C Defective C Defective Defective D Defective D Sound D Sound D Sound D Sound D Sound Width (98) OPTIONAL Diameter (97) Orouter Nectorgular Square Arched Rectangular Square Arthed Oroular Rectangular Square Arched Chrouler Nectongular Square Arched Chroden Rectengular Square Arched Rectangular Square Arched Circular Shape (96) 00000 00000 00000 0000 000 Material \$ \$ 3 4 X <u>8</u> \$ \$ 8 4 £ 5 5 3 3 5 5 53345 \$ \$ 3 × 5 000000 000000 00000 000000 00000 000000 Rim to invert (93) Condition (101) Li Liberroli
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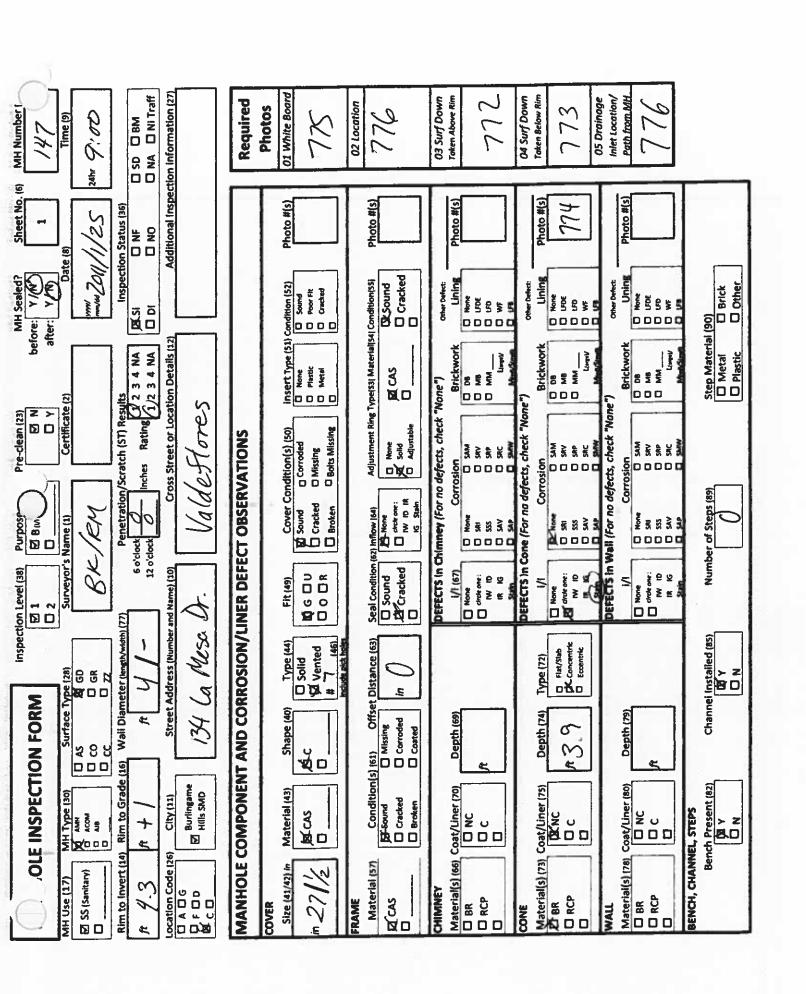
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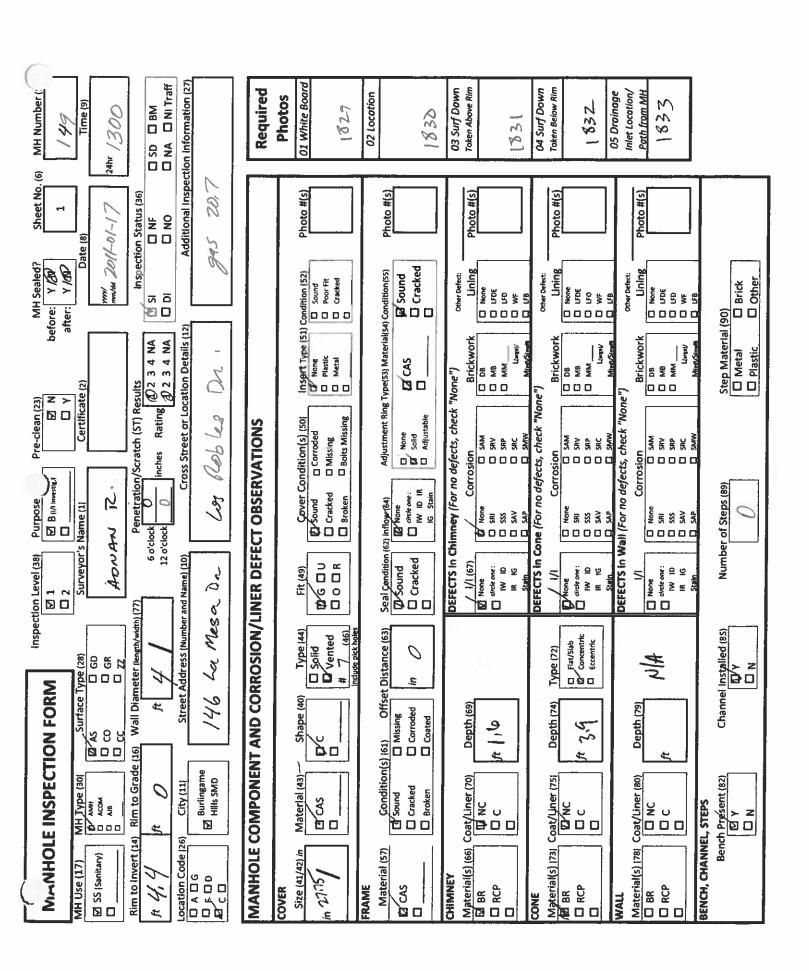
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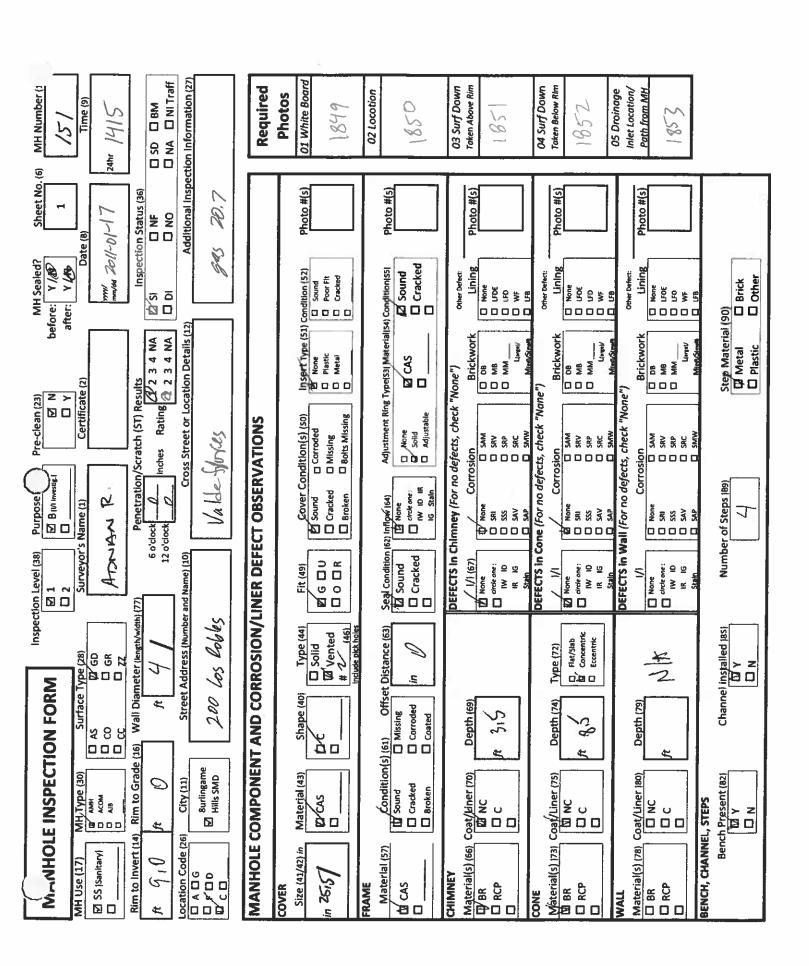
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MH Number			Seal Condition (101)	K Sound	O Defective	A Sound	Defective	EK Sound	□ Defective	A. Sound	□ Defective	D Sound	□ Defective	D Sound	□ Defective	D Sound	
			Condition (99)	punos de	O Defective	D-Sound	□ Defective	Sound	O Defective	punoS _{PQ}	□ Defective	D Sound	O Defective	D Sound	O Defective	D Sound	O Defective
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7			Shape (96)	A Orcular C Rectangular C Square	D Arched	C Chester C Rectampater C Square	O Arched	O Cheuter O Rectanguler O Square		O Orester O Nectorgales		Chroster C Rectengaler C Square		C Creater C Recomputer	Square Archad	O Crader	O Arched
			Material (95)	₽\$3.	, S	0 8 0	200	5 \$ 3	2 × ×	000 \$\$8		000 \$\$3			3 2 %		3 2 5 5
	_15		Rim to invert (93)	7	(.)	2.0	٦. د	ID	1.1	0 13	7.7						
7	/\		Special Condition (101)	O OU (Out Drup Up) O OL (Out Drup Low) O IU (in Orup Up)	C FM (form Male)	O OU (Out Dres Us) O OL (Out Dres Us) O I'V (in Dres Us)	It (in Oraș Loud PM (Forzș Male) Li (La Luterra)	COU fout once use) COU for once use)	O II, (in Drap Low) O FM (Force Make) O LB (Leteral)	CO OU four bree Light CO OU four bree Level CO FU fin bree Light	C) It (in Oraș Lour) C) Phê (forze Maint C) Lis (Leteral)	OU (Det Drug Us) Of (Det Drug Use) Of (the Drug Use)	O IL (in Drose Lose) O FM (Force Main) Uli (Lefered)	O OU (Out Drug Us)	O 10 (in Drup Up) O 11 (in Drup Up) O FM (fours Main)	CI OU fout they bed	O IU (in Drep tip) O II (in Drep tipe) O FM (force Make)
7	186	REQUIRED	Direction (94)	.E 0		DEC.In		10 7		Å		u 🖸			. Š		50 0
Clos.	ECTIONS		Clock Position (92)	9		6	/	//	//	12	7/		V				
	PIPE CONNECTIONS		Pipe Number (91)	ļ		C	7	C)	17	7						



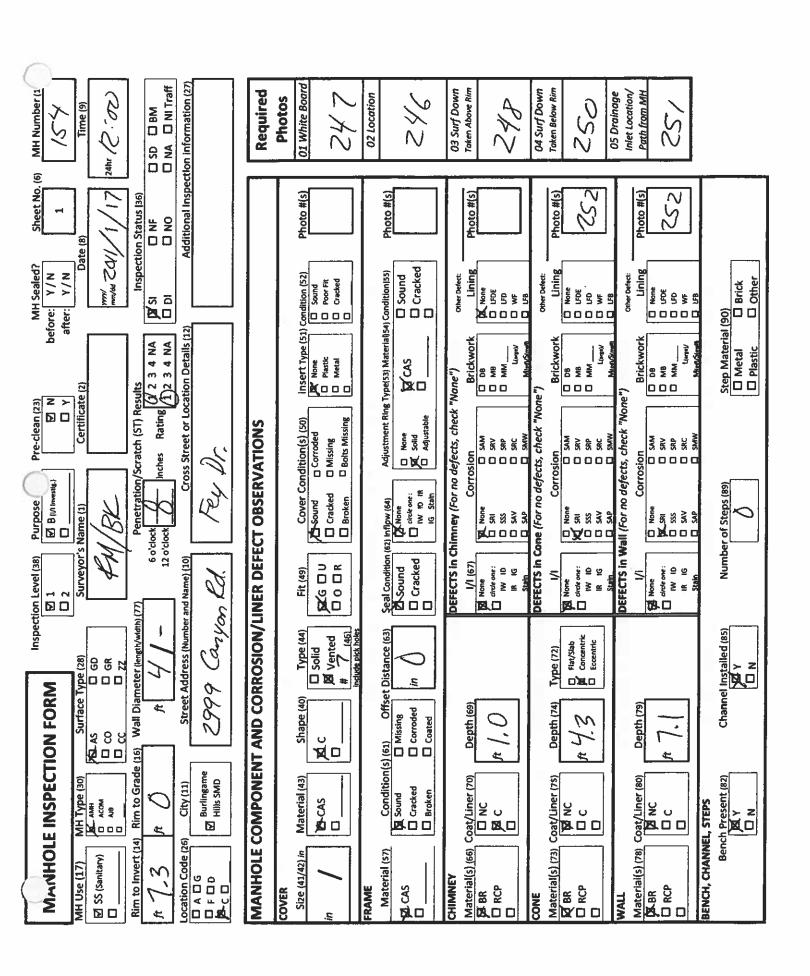
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			Rim to Invert (93)	4,2	/ 2	6	200	11 11	7,0	// //	4.4						
			Special Condition (101)	O Ut fout Drop Upi O Ut fout Brop Law) Ut in Brop Up)	FM (Force Main) LB (Leterni)	OU four brop tipp Of (our brop town)	It (in Drop Low) FM #Force Main! List Latorate	COU four three lies) COL (Our three Low) COL (in bree lies)	C (Litin Drop Low) C FM (Force Main) C Litteral)	COU fout those list	It (in Drop Low) FM (Fovce Main) LB (Leterni)	OU four throp tip) Oil (Out throp Low) It is now tip)	C (L (in Drop Low) C FM Hove Main) C 18 (Leveral)	OU Your Drop Up) OI (Our Drop Law) II (in Drop Up)	If the Drop Low: FM (Force Maint) LB (Letteral)	OU (Out Drop Up) OL (Out Drop Low) It (In Bree Up)	I. (in Drap Low) FM (Force Main) LB (Letera)
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	ECTIONS		Ciock Position (92i	9		O		(<u> </u>	17	7						
SK	PIPE CONNECTIONS		Pipe Number (91)	H			7	^	^	9	<i>b</i>						

Sheet No.	Required	Photos 01 White Board SSS	SECT 957	03 Surf Down Taken Above Rim	Od Surf Down Taken Below Rim	05 Drainage Inlet Location/ Path from MH 5-29 958	
MH Sealed? free: Y/M free: Y/M mw/se 2C Inspec E8 SI D DI		Insert Type 51) Condition 52) Photo #(s) Z. None	Adjustment Ring Type(S3) Material(S4) Condition(S5) None	Photo #(s) Other Defect: Lining Photo #(s)	Brickwork Lining Photo#(5) BB	work	Step Material (90) D'Metal Drick Plastic Other
1 Purpos Pre-clean 123 1 2	LINER DEFECT OBSERVATIONS	Fit 149) Cover Condition(s) 150) Inse	Seal Condition (62) Inflow (64) Sound Cracked Number Adjustment Ring Type(53) Ma			"None")	Number of Steps (89) Step Mater
Inspection Level (38)	MANHOLE COMPONENT AND CORROSION/LINER DEFECT OBSERVATIONS	Size (41/42) Material (43) Shape 40) Type (44)	Material 57 Condition(s) (6.1) Offset Distance (6.3) Garces Corroded In Coated In Coated Coated In Coated Coated In Coated Material(s) (66) Coat/Liner (70) Depth (69) Material(s) (66) Coat/Liner (70) Depth (69) Material(s) (66) Coat/Liner (70) Depth (69) Material(s) (66) Coat/Liner (70) Depth (69) Material(s) (66) Coat/Liner (70) Depth (69) Material(s) (66) Coat/Liner (70) Depth (69)	Material(s) 1/31 Coat/Liner (75) Depth (74) Type 1/2)	Material(s) 178) Coat/Liner 180) Depth (79) Material(s) 178) Coat/Liner 180) Depth (79) Call RCP Call Call Call Call Call Call Call Cal	Bench Present (82) Channel Installed (85)	

MH Number			Seal	(101) \$\prescript{4}{\second}\$	□ Defective	Dunos &	□ Defective	punos p	□ Defective	Sound	D Defective	D Sound	☐ Defective	D Sound	□ Defective			☐ Defective
			Condition	Sound	U Verective	Pesound	☐ Defective	o Sound	□ Defective	Sound T		D Sound	☐ Defective	D Sound	☐ Defective	1	punos	O Derective
		OPTIONAL	Width (98)															_
			Diameter (97)	9		/	2	ħ		0	,							
12			Shape (96)	A Chrosen C Rectangular C Square C Arched	D Company	Rectangular Square Anched		Chroular Chromoter Chromot		Circular Cir		O Square		O Rectangular O Square	P Arabed	D Chrowler D Rectangular	D Square	-
			Material (95)	្សាល ទីខ្លួនក្នុ		្សា ភូទូនូន		១ ២ ១០១ ទីទីទី៩		0 4 0000		000 \$ § § \$		\$ \$ \$ \$			3 4 5	
			Rim to Invert 193)	10.6		10.2		25		7.0/								
2 m 2			Special Condition (101	O U four Deep Use O U fin Deep Use O IU fin Deep Use O If his Deep Low)	D OU (Out Drop Up)	CO Clost Drop Low) Co TU pin Drop Lop) Co TL (in Drop Low) Co E. (in Drop Low) Co E. (in Drop Low)	D (B (Learn)	OUL Joke Drop Low) Div (in Drop Low) It (in Drop Low)	D L8 (Lettertal)	O'LION DIES LINES CON IL LE LE DES LONG IL LE LE DES LONG IL L'ANDER LE LONG IL L'ANDER LE L'ANDER L'A	OU four brop thei	O IL (in Drop tow)	C FM Force Main! C LB (Lateral)	OL (Out Drop Low) O IV Jin Drop Up) O IC (in Drop Low)	D FM (Force Main) D LB (Lateral)	OU four Drop Lough	2 IL (in Drop Low)	UB (Letteral)
			Direction (94)	⊡ ⊠ out		S C		四 四 Out		0 E	1	 		= 6 0 0	ı	<u>2</u> 0	Out	
	ECTIONS	1	Clock Position [92]	Q		Ø		0/										
ShriGH	PIPE CONNECTIONS	(A)	ripe Number (91)	H		2		a		7					1			



ISI			Condition Seal Condition (101)	S	□ Defective □ Defective	pysonuq g sonuq	□ Defective □ Defective	d'Sound & Sound	□ Defective □ Defective	Punos 🗆 punos 🗈	□ Defective □ Defective	Dound 🗆 Sound	□ Defective □ Defective	D Sound	□ Defective □ Defective	D Sound	□ Defective □ Defective
		OPTIONAL	Diameter (97) Width (98) inches		0	7	×	,	e								
			Shape 7(96)	(Circular Circular Circulare Circulare Circulare Circulare Circulare	à	12 Grouter 1 Rectangular 1 Square	D Arched	60 Chroular C Rectangular C Square	- Arched	O Chroder O Rectangular	Arched	Chroular Chroular Chrone		Circular Circular Circular Circular Circular		Croular C Rectangular Course	
			Material (95)		2 D	ο σ οι \$\$3:		0 ₽ 0 5 \$ 3	2 S S		3 4 % 3 4 %	0 0 C	3 8 8 8	5 5 3	000 8 §	2000	2 × ×
W Y			Rim to Invert (93)	3		0	. 0	,	717								
			Special Condition (101)	OV (Out Drop the) OV (Out Orop Low) O IV (in Orop Uni)	C FM (Force Main) C LB (Lateral)	OV (Out Drop Up) OV (Out Drop Up) OV (In Drop Up)	U it lin propisser FM (Force Main)	COV (Out Drup Up) COV (Out Drup Up) COV (Out Drup Up)	It lin these Low) FM (Force Main) IB (Laneral)	OU (out once up)	C II, (in Oros Low) C FM (force Main) C EB (Leteral)	OU (Out Once Up) OU IOU Once Leve) Ou IO (in Drop Leve)	C II. In Drop Law) C FM (Force Main) C LB (Leceral)	OU (Out Drop Loy) OI (Out Drop Low) UIV (in Orop Up)	C II. (in Drop Low) C FM (Force Main) C LB (Lateral)	OU (out brog up) OI (out orop Low) OI (in prop Up)	If the Orop Low) FM (Force Main) List (Laternin)
		REQUIRED	Direction (94)	<u>=</u> 6		_ = .		ul 🕮					□ Out	u 🗆		ui 🗆	
	ECTIONS		Clock Position (92)	9		0	Q	6	_								
SK, H	PIPE CONNECTIONS		Pipe Number (91)	Н		4		4									



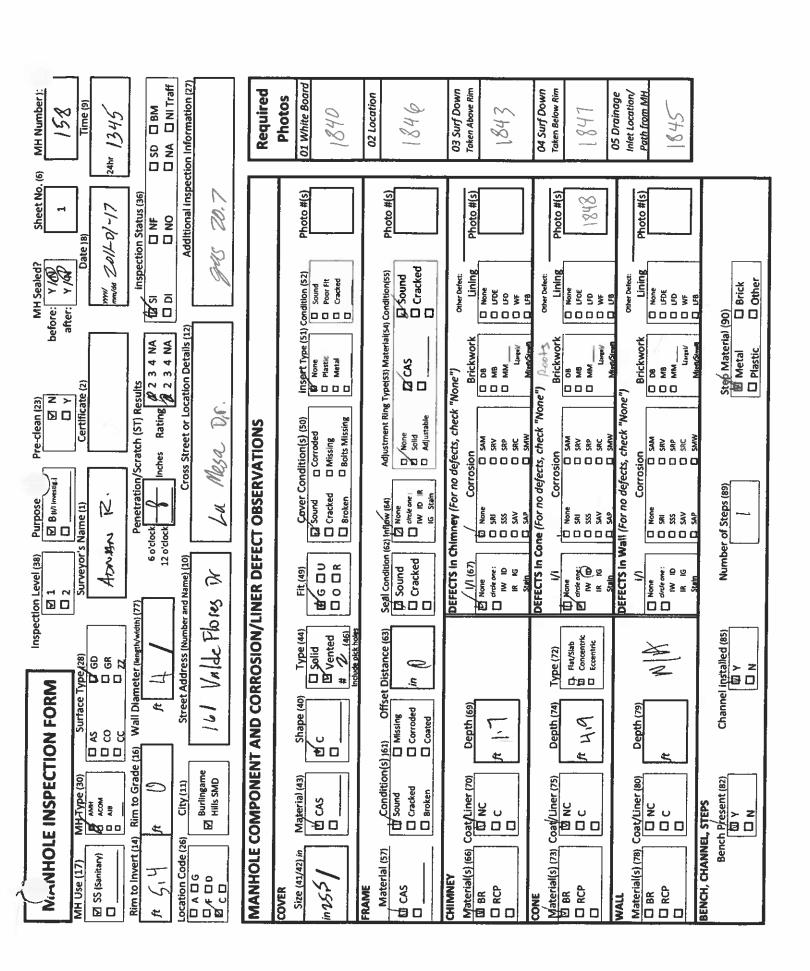
15 Y			Seal Condition (101)	bunos)	☐ Defective	k Sound	□ Defective	D Sound	a Defective	D Sound	□ Defective	D Sound	□ Defective	D Sound	□ Defective	punoS 🗉	□ Defective
			Condition (99)	M Sound	□ Defective	PK Sound	□ Defective	D Sound	□ Defective	D Sound	□ Defective	D Sound	□ Defective	D Sound	□ Defective	Dound	□ Defective
		OPTIONAL.	Width (98) inches							5							
		0	Diameter (97) inches	0	0	\(\rightarrow \)	0	J	9								
		- 8	Shape (96)	G Chrolier Rectangular Square		Circular Rectangular Square	- Arched	Chrouler Chrouler Chrouler Chrouler Chrouler Chrouler	O Arched	Circular Circular	O Arched	C Chouler C Rectangular			Arched	Chroder Chroder	Square Arched
2			Material (95)	5 % %		□≭(□ ॐ ≩ ዷ	2 × ×	្រុង ខ្ទុំខ្ល		\$ \$ \$	\$ \$ \	200	3 % %		3 * £		3 4 5
Jm /			RIm to Invert (93)	775		722	•	7.7	7.7								
77			Special Condition (101)	OU four bree bed Of four bree bed If the bree bet	Lim brop Lawf	OU (Out Drop Up) Of (Out Drop Low) If (in Drop Up)	It (in Drop Low) FM (Force Main) LB (Leteral)	OL four brop Ups OL four brop Ups If In brop Ups	Il (in Drop Low) FM Force Main) US (Lateral)	Ot four bree Up)	It thn Orop Low; FM (force Main) Lis (Leterral)	OU four throp up)	1L lin Drop Low) PM (Force Main)	OU fout Dray Up!	D II (in they be) FM (force Main)	OU lour brep upt	If the Gross Low) RM (Force Main) L & (Lenneral)
		REQUIRED	Direction (94)	<u>=</u>		728 .		12K			ja D		to O		o o o		. ŏ
	ECTIONS	:	Clock Position (92)	9	,	1	1	2	\mathcal{L}								
SKE. JH	PIPE CONNECTIONS		Pipe Number (91)	т		0	7	0	^								

MAINHOLE INSPECTION FORM	Inspection Level [38)	Purpose (Pre-clean (23)	هٔ	MH Sealed?	Sheet No. 16)	MH Number 11:
MH Use (17) MH Type (30) Surface Type (28) 81 AMH] [Time (9)
m to Invert (14) Rim to Grade (16) Wall Diam 7.45 ft 0	[Penetration/Scratch (ST) Results 6 o'clock / Inches Rating / 2 3 4 NA	Sults (J) 2 3 4 NA	Inspection	Status (36)	SO DBM
Cocation Code (26) City 111 Street Address (Number and Name) (10)	er and Name) (10)	I DE	eation Details (12		ditional Inspect	Additional Inspection Information (27)
OLE COMPONENT AND CORROSIO	LINER DEFE	N/LINER DEFECT OBSERVATIONS				Required
COVER Size (41/42) in Material (43) Shape (40) Type (44)	Fit 149)	Cover Condition(s) (so)	Insert Type (51) Condition (52)	Condition (52)	Photo #(s)	Photos
# E C CAS) E C C C C C C C C C C C C C C C C C C	▼ Sound □ Corroded □ Cracked □ Missing □ Broken □ Bolts Missing	96 None Plastic Metal	Sound Poor Fit Cracked		235
يُّ ا			Adiretmont Ding Tumbes) Materialies Fandislantee	Topodelonies	100	02 Locotion
Sound Missir	Sound Sound Cracked	= =	d-cas	A Sound □ Cracked □	(s)# 0100 #(s)	234
CHIMNEY	DEFECTS In CF	DEFECTS In Chimney (For no defects, check "None")	"None")	Other Defect:		03 Surf Down
ا(ء) (ووا در	1/1 (67)	Corrosion	Brickwork	Lining	Photo #(s)	Taken Above Rim
D RCP DAC #2.6	None Circle one: IW 1D IR 1G Stain	None SAM D MB D D D D D D D D D D D D D D D D D D	20 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		235	
CONE	DEFECTS In Co	DEFECTS In Cone (For no defects, check "None")				04 Surf Down
ier (75) Depth (74) Ty	I/I None	COLTOS None SRI	Brickwork		Photo #(s)	Taken Below Rim
[[]	≩ ≅ १ ⊡ ठा	28. C C SAV	MW Library	2 × 5		65/
WALL	DEFECTS In W	For no defects,	ne")			05 Drainage Inlet Location/
Material(s) (78) Coat/Liner (80) Depth (79)	I/I None childrene:	Corrosion None SAM SAM SRV	Brickwork	Lining Nove	Photo #(s)	Poth from MH 23.8
	Staln	A S	Liores)/ Missis/Simen	£8 €9		
	N	Number of Stens (89)	Sten Materia	(06)		
Y 20 N		2	Matal D	☐ Brick☐ Other		

/SS			Seal Condition (101)	Sound Defective	6Z Sound	pu Sound	□ Defective	□ Sound □ Defective	□ Sound □ Defective	□ Sound □ Defective	□ Sound □ Defective
			Condition (99)	M Sound	KSound © Defective	Z Sound	□ Defective	☐ Sound	☐ Sound ☐ Defective	© Sound	D Sound D Defective
		OPTIONAL	Width (98) inches								
2			Diameter (97)	8	∞		0				
M			Shape (96)	Crouter Crouter Contangular Co	Crouter Crouter Country Countr	Orcular Rectangular		Chouler Choule	Circular Rectangular Square	Circular Rectangular Square Arched	Chrodian Chrodian Chrodian Chrodian Chrodian Chrodian Chrodian
			Material (95	១៥ ០០០០ ភូទូ <u>ខ</u> ភុ	ច ល់ ០០០០ ខូខ្នំនួងនួ		368	00000 \$\$35%	00000 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 5 8 5 8 8	00000 00000 000000
			Rim to Invert (93)	7.45	6.75	1	4.8		: :		
PN 7			Special Condition (101)	OU (Out Once Upp) Of (Out Once Lond) Of (Out Once Lond) It in Once tow) FM (Force Main)	OU (out three light of (love three light) of (love three light) of (light three light) of (light three light) of fift (force Match)	C Lat (Latteral) C OU (Out Once Upt) C OL (Out Once Low)	O IL In Drop towi FM (force Maint	COU ton Shep Up) COL (out Drep Low) CUL (out Drep Low) CUL (in Brep Low) CUL (in Brep Low) CUL (in Brep Low)	COUTON DATE US) COUTON DATE US	OU fox thep up) Ou fox thep up) If it in the top tent If in the top tent If in the tent If in the tent If it is the tent	OU foat beep last OU foat brep towy OU foat brep towy OU foat brep towy OU fu free towy OU fu freet Mate) OU fu freet Mate)
		REQUIRED	Direction (94)	- 0 Out	i DEC		Out	- 0 0 0 0	0 D	0 in Out	□ In □ Out
	ECTIONS		Clock Position (92)	9	(1-36	(Y)				
SKELH	PIPE CONNECTIONS		Pipe Number (91)	.	7	,	\sim				

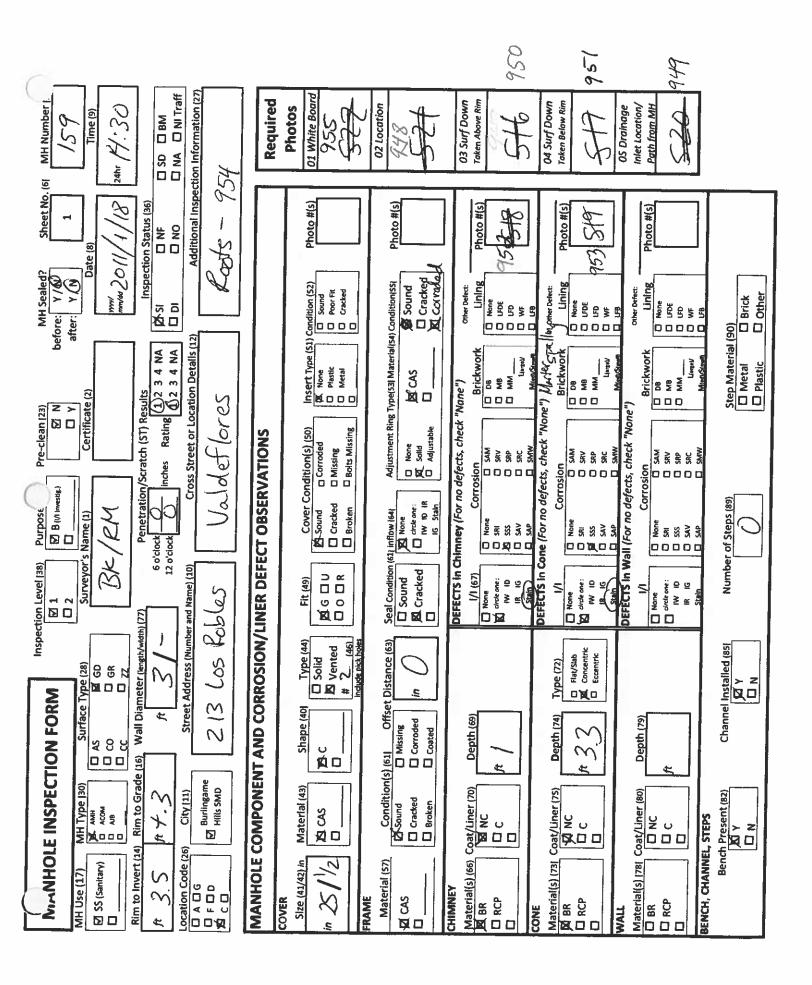
No. (6) MH Number (1)	7.me (9)	6) CSD CBM CONTraff	Additional inspection information (27)	Required	Photos 01 White Board	02 Location 22 LOCATION 254	03 Surf Down Taken Above Rhm 2 \{ \int \}		05 Drainage Inlet Location/ Path from MH	
before: Y/ki	E & E	Inspection Status (36) A			Insert Type (51) Condition (52) Photo #(s) OK None	rial[s4] Condition(s5) Photo #(s)	other Defect: Lining Photo #(s) None Lipe Lipe Lipe Lipe Lipe Lipe Lipe Lip	° (25,000)		ia (S
Pre-clean (23)	Certificate (2)	Penetration/Scratch (ST) Results	Cross Street or Location Details (12)	OBSERVATIONS	Cover Condition(s) (sol Insert Type Sound Corroded DK None Cracked Missing Destro	Adjustment Ring Type(53) Material(54) Condition(55) Adjustable Adjustable			defects, check "None") Corrosion Sam Sav Sav Sav Sav Sav Sav Marcologian Brickwork St.	
Inspection Level 138) Purpose	Surveyor's Name (1) BK/RM	6 o'clo 12 o'clo	Number and Name) (10)	/LINER DEFECT OBSE	Fit (49)	Seal Condition (62) Inflow (64) (X Sound Cracked Cores one:	DEFECTS in Chimney (For		For no None SSS SAV SAV	Number of Steps (89)
	Surface Type (28) M AS C C C C C CR C C C C Z	×	Street Address	NT AND CORROSION	Shape 140) Type 144) AS.c Bolid Reverted # 7 (46)	Offset Aissing corroded	Depth (69)	Depth (74) Type 172) ft (. 3	Depth (79)	Channel Installed (85)
MANHOLE INSPECTION FORM	MH Use (17) MH Type (30) S (Sanitary) A ANH A COM A ANH A AN	Rim to Invert (14) Rim to Grade (16) π $\%$ $\%$ $\%$	Location Code (26) Gty 111) C A C G Surfingame Hills SMD	MANHOLE COMPONENT AND CORROSION/LINER DEFECT	Size (41/42) in Anterial (43) in 27 / / CA	Condition(s) 161	CHIMNEY Material(s) (66) Coat/Liner (70) CD BR MS RCP CD COAT/Liner (70) COAT/	CONE Material(s) (73) Coat/Liner 175) BR MS NC COAT/Liner 175) COAT/Liner 175)	WALL Material(s) [78] Coat/Liner (80) C BR M RCP C C	BENCH, CHANNEL, STEPS Bench Present (82)

/S6			Seal Condition (101)	8 2	Delective	punos 🔌	Defective	Sound	□ Defective	punos 🗆	□ Defective	D Sound	□ Defective	D Sound	□ Defective	D Sound	Defective
			Condition [99]	punosyg	Describe	punos 🙀	□ Defective	Sound	□ Defective	D Sound	☐ Defective	D Sound	□ Defective	D Sound	□ Defective	D Sound	□ Defective
		OPTIONAL	Width (98) inches														
		0	Dlameter (97)	8		/	Q	C	∞								
			Shape (96)	Circutar Cir		Crouler C Rectangular C Square	O Arched	D Square		Circular Rectangular	Arched	Circular Rectangular Square		Circular Rectangular Square	O Arched	Chrodar Chrodar Chrodar Chrodar Chrodar	D Arched
			Material (95)	74 000		0 X 0	2 X X	0 7 4 0	0 0 0 %	C ACP	3 4 %	5 \$ \$	1000 12		2 A X	000 800 800 800 800	
			Rim to Invert (93)	8.95		()	7.0	00	8.7								
			Special Condition (101)	O Ut four three Uei Of Lour three Lew) I U (in three Uei I IL (in three Lew)	LB (Leveral)	OU four thep that OL four thep taw; IU (in drep that	It (in Drop Lew! FM (Force Main) UB (Litteral)	OU fout ones use) OU fout ones used	II (in Oros Law! FM (Force Main) LB (Laterni)	OV joet tree up!	It im Drop Low) FM (Force Main)	OU four bree usi	It in from Law) PM if proce Main) It is (Lateral)	OU four those tawy Of Four those tawy	IL (in Drop Low) FM (Force Main) LB (Lateral)	OU four throp tips OI four throp tawl III (in thrope tips)	It in Drop Law) PM (Force Main) LB (Levent)
		REQUIRED	Direction (94)	© □ out)		<u>.</u>			or the		ont	<u>=</u>		<u>e</u>	
2	ECTIONS		Clock Position (92)	و		0	-	()	7)								
SKLH	PIPE CONNECTIONS		Pipe Number (91)	н		ç	V	~	\mathcal{I}								

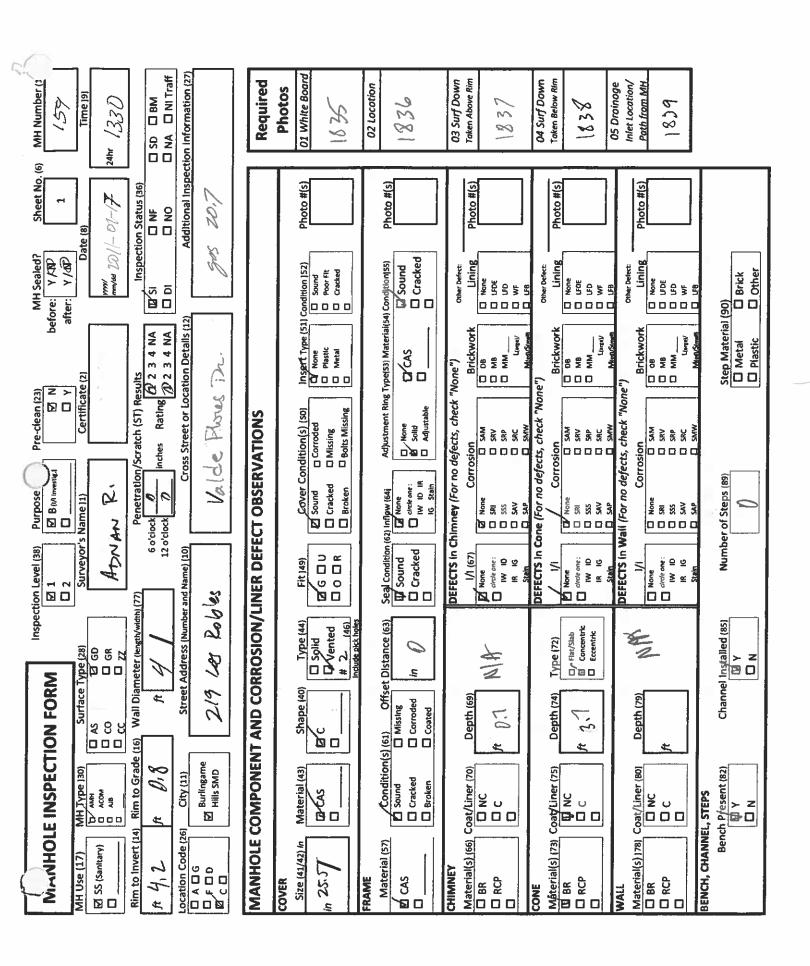


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MH Number			Seal Condition (101)	B Sound	□ Defective	D Sound	☐ Defective	punos a	Defective	pairs			punos 🛭	□ Defective	D Sound	□ Defective	D Sound	□ Defective
			Condition (99)	Desound	□ Defective	E Sound	□ Defective	Dunos	□ Defective	D Sound	☐ Defective		2 Sound	□ Defective	D Sound	🛘 Defective	D Sound	□ Defective
		OPTIONAL	Width (98)						1-00									-01
			Diameter (97)				35											
m			Shape (96)	Circular Circular Circular Control Con	۵,	La Circular Circular Circular Circular Circular		Crouler Crouler Consequent		O Chroster O Rectangular	Square O Arthed		Circular C Rectangular C Square		Circular Rectangular Square	Arched	Circular Circular Circular Circular	
-			Material (95)	5 \$ 3 x	2 2 2	5 5 3 5	¥	0 40 KG	3 4 g		3 4 5		000 \$\$\$		000 533	2 8 8 8 8	5 5 S	
			Rim to Invert (93)	12	-	67)	J 1	,	S = <									
			Special Condition (101)	OV (Out one let) O L (out one lew) U (in one let)	FM (Force Main)	O U fort Oraș Uși	If (in the tops low) FM (force stain) LB (tateral)	OV four brep Up) OV four brop Low)	O IL (in Oraș Low) O FM (Forza Main) O LB (Laveral)	COU four Drop Up)	O 1U (in Oraș Ușt O IL (in Oraș Low) O FM (Force Man)	O (8 (ureral)	CV (Out Ones Low) O I (Out Ones Low)	If in Drop Low) FM (Force Main) L& (Leveral)	OU (Out once Up) OI, (Out Once Low) UI (In the Once Up)	It (in Drug Low) FM (Force Main) LB (Lateral)	OU four drap Up) OL four drap tow) Ul fin drap Up)	O II. Im Drop Low!
		REQUIRED	Direction (94)	4 D		.E. (ont o		o to		_ E		ų 🖸		= =	
	ECTIONS		Clock Position (92)	9				7	J		Š							
SK	PIPE CONNECTIONS		Pipe Number (91)	1		7	\	(^									

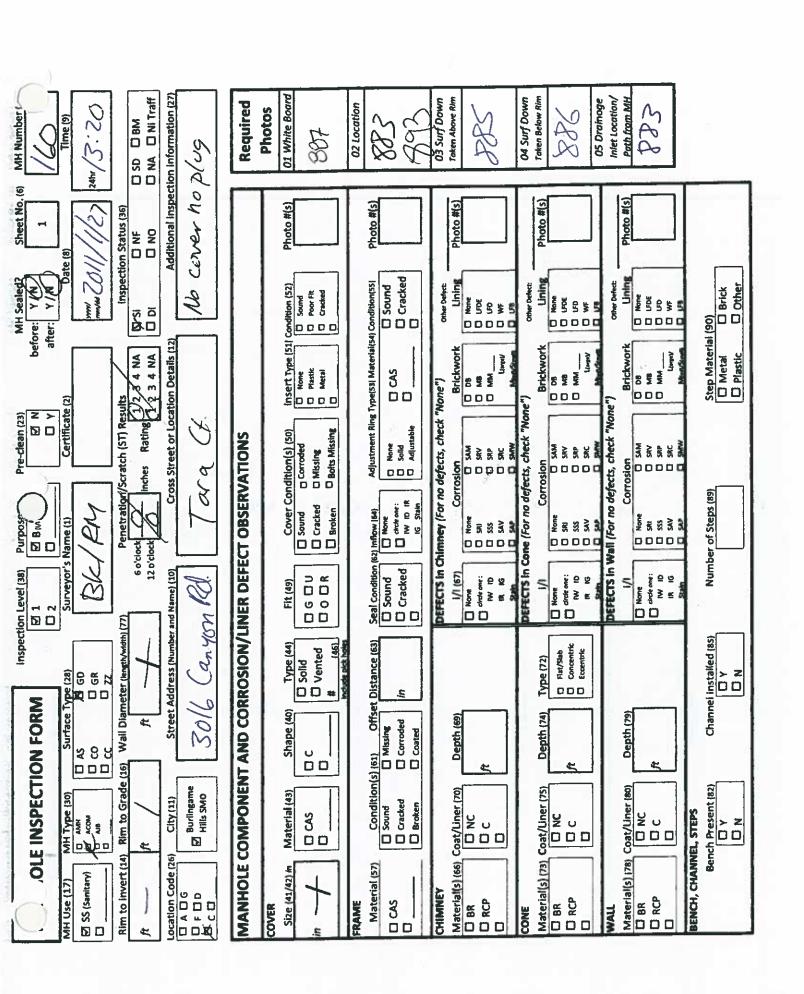
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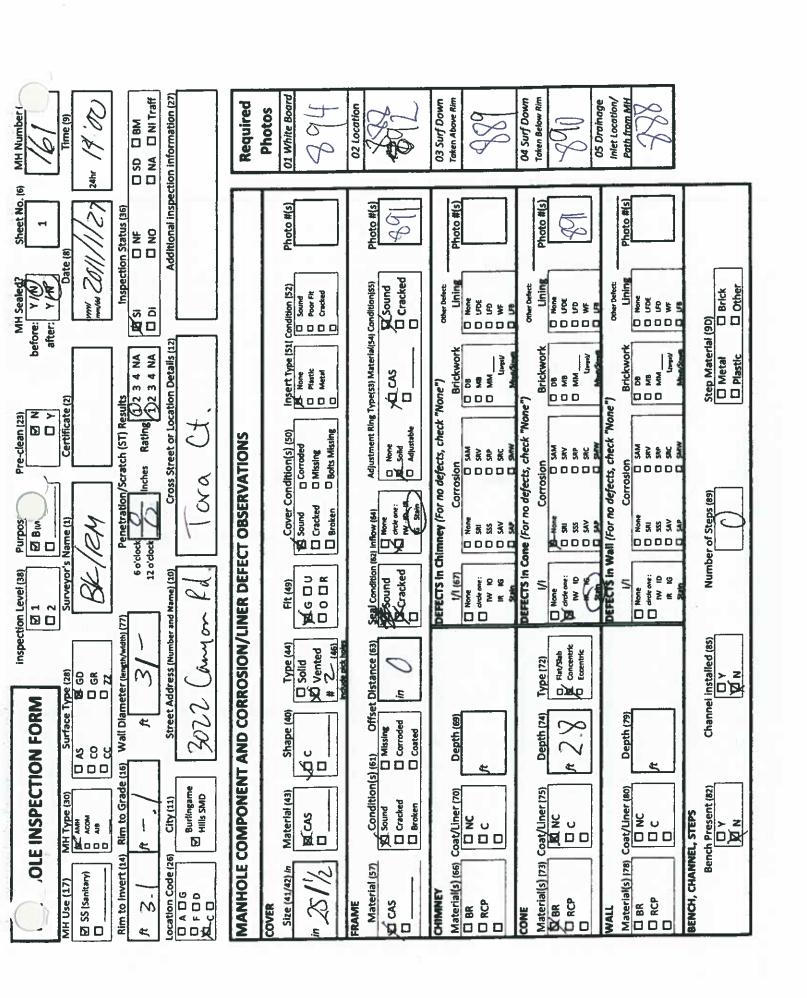


MH Number			Seal Condition	Sound	□ Defective	punos 💆	□ Defective	bunos म्	□ Defective		punos n	a Defective	Dunos 🗅	□ Defective		punos D	□ Defective		PunoS D	D Defective
			Condition		C Defective	Dsound	D Defective	punos-	Defective		punos	□ Defective	D Sound	9	+	Dunos II	□ Defective 1	t] Sound	□ Defective
		OPTIONAL	Width (98)																	
			Diameter (97)	_	و	/	9	2)											
			Shape (96)	XQ Circular Rectangular Square Arched		GC Circular Rectangular Square Arched		Coular Choular Coular C			Square Arched		Chrolian Rectangular		Circutar Rectangular	Square Arched			Square	
7 < 2			Material (95)	04000 5885	20	្សា ភូទិស្តី ទី ទ		5 \$ 3 %	\ \ \ \		2 8		\$ \$ \$	3 4 <u>5</u>		3 y			3 S S	_
1m			Rim to Invert (93)	a	•	3 4		٧ *												
(PN)			Special Condition (101)	OU lour brop tay	C (B (Leteral)	OV (Out Drop Up) OV (Out Drop Up) OV (In Oney Up)	FM (Force Main) LB (Lateral)	CO (Cout Orose Les) COL (Cout Orose Lew) COL (Cout Orose Lew) COL (Cout Orose Lew) COL (Cout Orose Lew)	☐ FM (Force Mahr)	OU (Out Drop Up)	C (U (in Drop Low)	FM (Forte Man) LB (Lateral)	C OU four Drop Up) C Of four Drop Low) C I'd fin Drop Up!	C it in Drop Low) C FM (Force Main)	OU four brop up!	C (U (in Drop Up)	FM (Force Main) LB (Lineral)	OU jour brop Law)	☐ I'U (în Oraș Ușt	FM (Force Maint) LB (Leteral)
		REQUIRED	Direction (94)	© □ Out		D IS	- 1	<u>=</u> 6			Š =		<u>.</u>		1	s 5			ğ 0 0	H
	IECTIONS		Clock Position (92)	9		2		W)									-		
H. H.	PIPE CONNECTIONS		Pipe Number (91)	+		7		()	,									•		

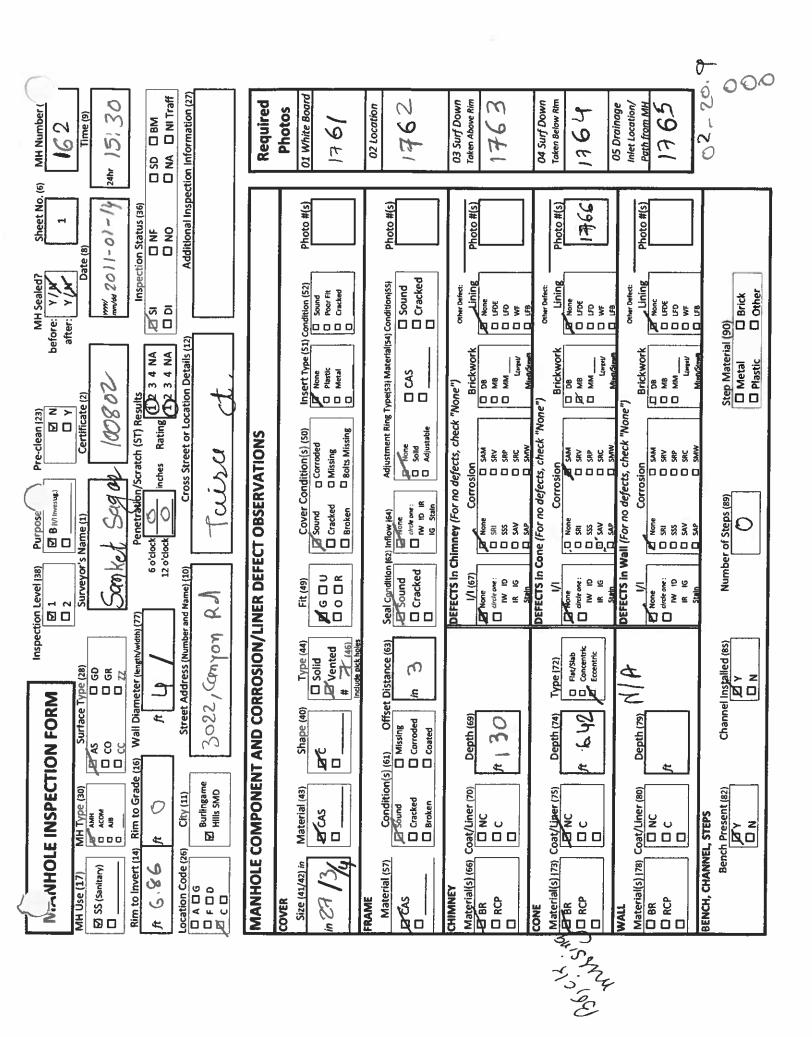


MH Number			Seal Condition (101)	Sound Defective	Sound Defective	Sound Defective	D Sound	© Sound	□ Sound □ Defective	□ Sound □ Defective
			Condition (99)	O'Sound Defective	P Sound	Sound Defective	□ Sound	□ Sound	☐ Sound	□ Sound □ Defective
		OPTIONAL	Width (98)							
			Diameter (97)	8	80	9				
M			Shape (96)	Ap Grouler Carangular Square Arched	Grouter Caracter Square Arched	Corollar Rectangular Square	Crouter C Rectangular Square Arched	Croular Rectangular Square Arched	Corcular Carcangular Square Arched	D Oroslar O Rectangular O Square O Arched
			Material (95)	00000 533 45	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	00000 03355	5 \$ 3 × 5	00000 \$\$3 \$ \$	55355	5 5 2 5 X
			Rim to Invert (93)	2	3,6	8.2				
			Special Condition (101)	OU (our brop tup) OU (but brop tow) OU (in brop tup) OU (in brop tup) OU (in brop tup) OU (in brop tup)	U Di Locernii O Ovi foor bosp tiel O II (in Dress tiel II (in Dress tiel) II (in Dress tiel) U Millones wann;	OU (out brop lips) OU (out brop lips) OU (out brop lips) OU (in from lips) OU (in from lips) OU (in from lips) OU (in from lips) OU (in from lips)	Ot (out brop up) Ot (out brop up) Ot (out brop up) Ot (it (in brop tow) FM (from Main)	OV (out bross tue) OV (out bross tue) OV (out bross tue) OV (in bross tue) OV (in bross tue) OV (in bross tue) OV (in bross tue)	OU (out Drop Up) OU (out Drop Low) OU (out Drop Low) OU (n Drop Low) OU (n Drop Low) OU (n Drop Low) OU (n Drop Low) OU (n Drop Low)	OU (Our Drup Up) Ou (Our Drup Low) U (In Orup Up) U (in Orup Up) U (in Drup Low) U (in Brup Low) U (in Une Drup) U (in Drup Low)
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SK	PIPE CONNECTIONS		Pipe Number (91)	H	7	3				





MH Number			Seal Condition (101)	A sound	O Defective	Dy Sound	C Defective	d gound	□ Defective	d/sound	O Defective	D Sound	T Defective	D Sound	□ Defective	Dunos D	□ Defective
			Condition (99)	dsound	☐ Defective	punos	C Defective	punos-g	C Defective	Pound	□ Defective	D Sound	O Defective	D Sound	Defective	punos a	O Defective
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		°	Diameter (97)	/	0	11	7	1	Q	-	7	70			W		
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14			Rim to invert (93)	\sim	,	5	5.0	29	· · · · · · · · · · · · · · · · · · ·	0	0.7						
(2n -)		631	Special Condition (101)	O Ut (Out Bross Low) O Ut (Out Bross Low) O IV (in Bross Use)	C FM (Force Main)	C OV John Drust Use C OX (Out Drust Use) C IV (in Drust Use)	O IL the Group Lowel O PM (Farme Make) O Lift Lakered	O OU (Date Drop Uy) O OU (Date Drop Uy) O IU (in Drop Up)	Of It (in Drap Low) O FM (force Main) O LB (Leveral)	C) OU four these ties C) OL four these ties! C) IU (in these ties)	O II (in thrup Low) O PM (Force Main) O LB (Lateral)	COURSE over the Course Level COURSE CO	C II. (in Dree Low) C FM (Years Main) C) 18 (Laterel)	O OU (Dut Drue Us) O OL (Dut Drue Law) O 10 (in Drue Us)	C fl. (in Drop Low) C FM (force Maln) C Lift (Levins)	O OV (the true law) O OL (the true law) O IV (in true law)	If, the Dree Low) FM (fronce Make) Lill (Linewell)
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te (8) Time (9) If (2) In (6) Time (9) To Status 136) In N	Required	Photos 01 White Board 224	02 Location 223	03 Surf Down Token Above Rim 04 Surf Down Taken Below Rim 05 Drainage Inlet Location/ Path from MH. 2227
· · · · · · · · · · · · · · · · · · ·		Photo #(s)	Photo #(s)	Photo #(s) 728 Photo #(s)
MH Series Y		Insert Type (51) Condition (52) None Sound Soun	erialisa) Condition(ssi	orher befact: Uning U
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Inspection Level (38) ET 1	/LINER DEF	Fit (49)	Seal Condition (62) Inflow (64) We sound Cracked Inviore one one one one one one one one one on	
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			Condition (99)	M Sound	□ Defective	₩ Sound	□ Defective	punosp	□ Defective	₹ Sound	□ Defective	₩ Sound	□ Defective	D Sound	□ Defective	D Sound	□ Defective
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			Special Condition (101)	OV (Out Drop Up) OI (Out Drop Low) II (In Drop Up)	C FM (Force Main) LB (Lineral)	OU (Out Drop Up) OL (Out Drop Up) IU (in Drop Up)	It in Dnop Low] PM (Force Main) LB (Liveral)	OV lout Drop Up) OV (Out Drop Low) U (In Drop Up)	I if in Drop Low; RM (Force Main) U.B (Leveral)	OU (out Drop Up) OI (Out Drop Low) II (In Drop Up)	It im Drop Low? FM (Parce Nain) US (Laveral)	OU (Out Dress Upil OU (Out Dress Leve) U (In Dress Upil	If the Orea Low) SM ifforce Maint L8 (Lateral)	OU four three Up) OL four three Lew) 10 fin three Up)	If (in Oraș Low) FM (force Man) LB (Lateral)	OU (dust through uppl OL (dust through thrus) IU (in through uppl	It (in Drop Low) FM iforce Main! LB (Letteral!
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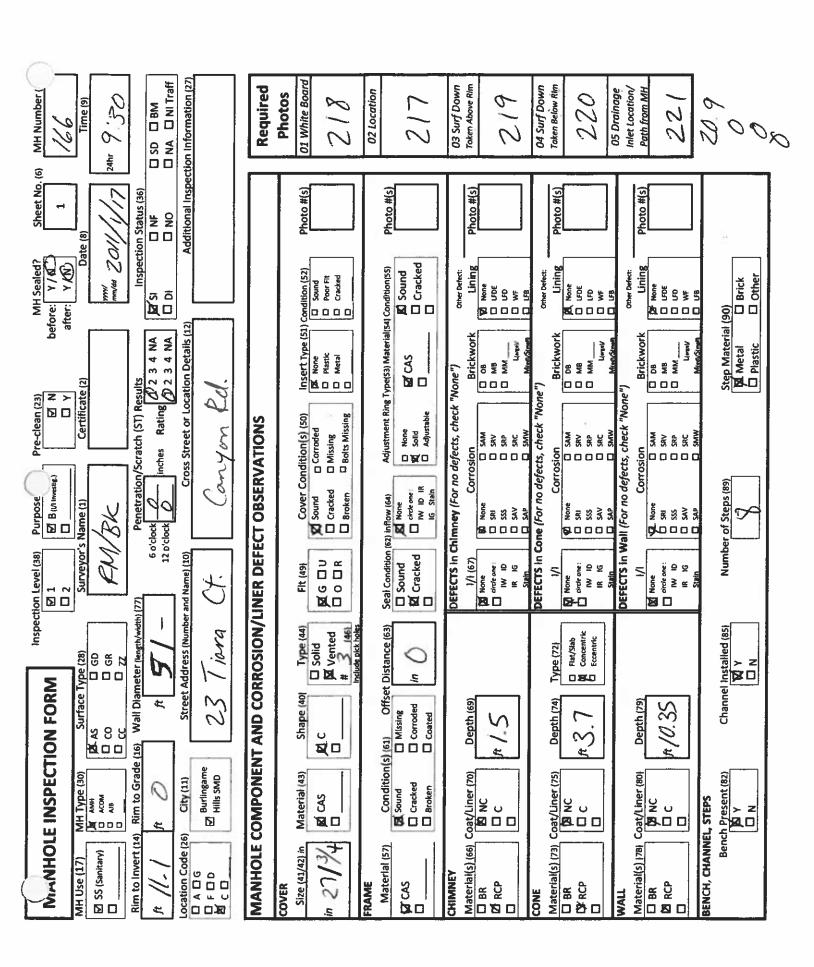
M. AH	ō	TION FOR		Inspection Level (38)	Purpose B (// Investig.)	Pre-clean (23)		MH Sealed? before: Y/M	Sheet No. (6)	6) MH Number (1)
MH Use (17)	MH Type (30)	Surface On the Co	Type (28)	Surveyor's Name (1) BK/R	Name (1)	Certificate (2)	ate (2)	Date Da	Date (8)	Time (9)
6.2	<u> </u>	×	Wall Diameter (kingth/width) (77)		Penetration 6 o'clock 0 12 o'clock	Penetration/Scratch (ST) Results ck 2 Inches Rating 0 2 3 4 NA	6 2 3 4 NA 10 2 3 4 NA 10 2 3 4 NA	12 10	Inspection Status (36)	O SD O BM
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	MANHOLE COMPONENT AND CORROSIO	NT AND CO		N/LINER DEFECT OBSERVATIONS	CT OBSER	VATIONS				Required
COVER Size (41/42) in) in Material (43)	Shape (40)		Fit (49)	Cover Co	Cover Condition(s) (50)	Insert Type (51) Condition (52)	Condition (52)	Photo #(s)	Photos 01 White Board
27/3	Z D CAS	周口	Solid Worted * 3 (46)	0 0 0 8 0	Sound Cracked Broken	☐ Corroded ☐ Missing ☐ Boits Missing	O None O Metal	Sound Cacked		232
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CONE				DEFECTS in Co	Forn	ects, check "No	"None")	Other Defect:		04 Surf Down
Material(s) (73)	(73) Coat/Liner (75) M NC C C C C C C C C C C C C C C C C C	3275 17 8475	Type (72) Cancentric Concentric	I/I None chale one: NW ID	COTI	Corrosion Saw	Brickwork D D8 D M8 D MM	Lining None Lining None Lining	Photo #(s)	Taken Below Rim
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Material S	(48) Coal/Liner (80)	# 5.75		Wone drak one: Tw. ID IR IG	None SSS COF	Corrosion 1 SAM 1 SRV 1 SRV 1 SRC	Brickwork D D8 D M8 Lerpol	Lining None Con U.S.	Photo #(s)	Path from MH 227
Ή, Ω	BENCH, CHANNEL, STEPS	;					131(c125(b), m.			
	Bench Present (82)	Chang	Channel Installed (85)	Numbe	Number of Steps (89)		Step Material (90) K. Metal Destic	(90) Brick Other		

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\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\			Rim to Invert (93)	76 /	6.67)//	6.15										i
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į	ECTIONS		Clock Position (92)	9		٦	7										
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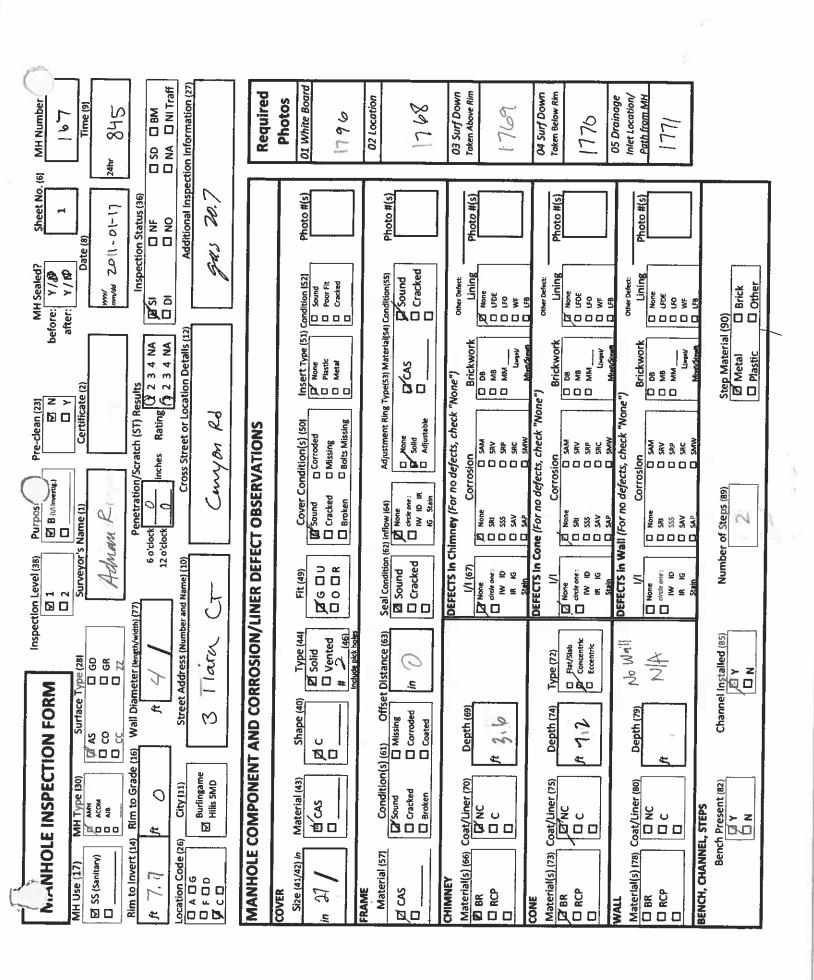
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MH Number PIPE CONNECTIONS

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REQUIRED	Direction	(94)				드				<u>.9</u>	3 6				ָ נ	<u>=</u>	o o			<u>.</u>	<u>=</u>					<u> </u>	T Out			ָ ב	= ·		
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MH Number			Seal Condition (101)	₩ Sound	□ Defective	M Sound	□ Defective	D Sound	☐ Defective	D Sound	□ Defective	D Sound	□ Defective	D Sound	☐ Defective	D Sound	□ Defective
			Condition [99]	PL Sound	□ Defective	punosa	□ Defective	□ Sound	☐ Defective	□ Sound	□ Defective	D Sound	□ Defective	□ Sound	□ Defective	5 Sound	ם Defective
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1			Special Condition (101)	(au Geet Gree)	IL (in Drop Low) FM (Force Main) LB (Leteral)	OU (Out Once Up) OU (Out Drop Up) If (in Drop Up)	It (in Drop Low) SM (Force Main) LB (Lateral)	COU (Out Drop Up) COU (Out Drop Low) COU (Out Drop Low)	It (in Oraș Low) FM (fora Main) Lis (Lateral)	OU (Out Drop Up) OU (Out Drop Low)	IL (in Drop Low) FM (Force Main) LB (Lateral)	OU (Our bree Up)	O IL (in Oros Low) O IL (in Oros Main) O IA (foros Main)	OU (Out Drop Up) OU (Out Drop Uw) If (in Drop Up)	O IL (in Drop Low) O FM (Force Main) UB (Lutteral)	OU (Out Drop Up) Of (Out Drop Low)	It (in Orop Low) FM (Force Main) UB (Lateral)
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MH Number Seal Condition 167 □ Defective □ Defective □ Defective Defective Defective Defective □ Defective Pa Sound d Sound Sound Sound Sound Sound Sound Condition (99) □ Defective ■ Defective □ Defective □ Defective □ Defective □ Defective □ Defective **Desound** PSound **D**Sound D Sound D Sound Dound D Dound D Width (98) inches OPTIONAL Diameter (97) 2 er D Groular Rectangular Square Arched Rectangular Square Arched Reclangular Square Arched Circular Rectangular Square Arthed Rectangular Square Arched Choular Rectangular Square Arched Rectangula Shape Square Circular (96) **8**.000 00000 02000 00000 00000 00000 00000 1 Material (95) \$ \$ 3 v \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ 4 \$ 5 \$ 3 × 5 \$ \$ \$ \$ \$ \$ 3 4 8 4 4 3 7 8 6 g 00000 00000 0,0000 00000 000000 00000 000000 Rim to invert 3 7:6 (63) 3 ق Condition (101)

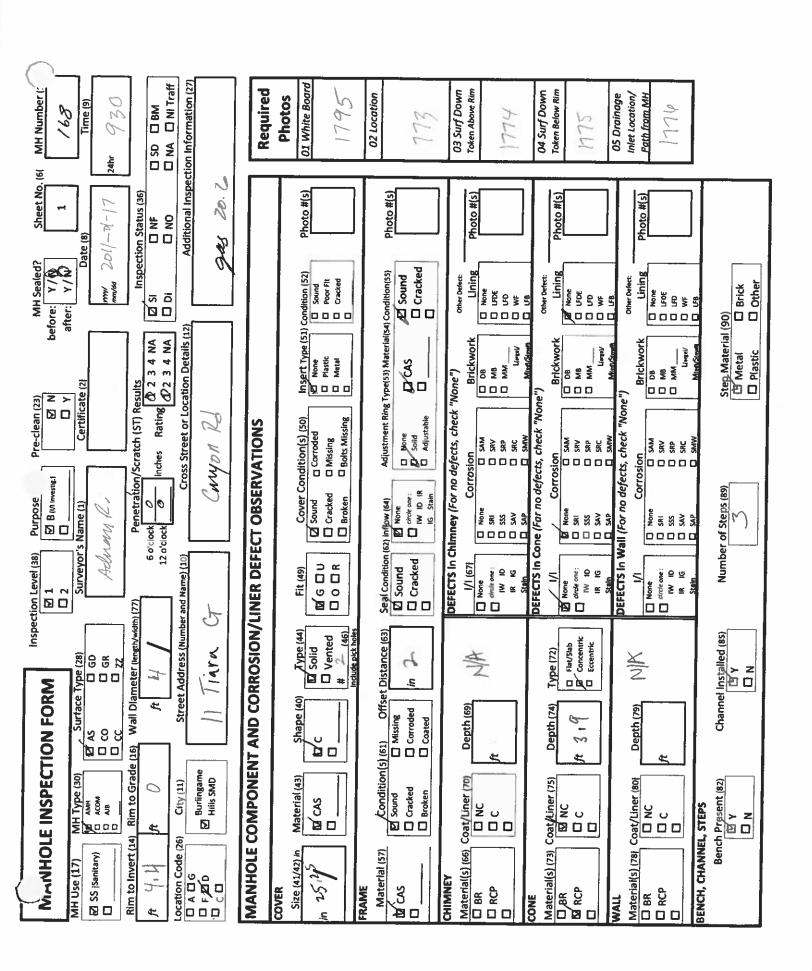
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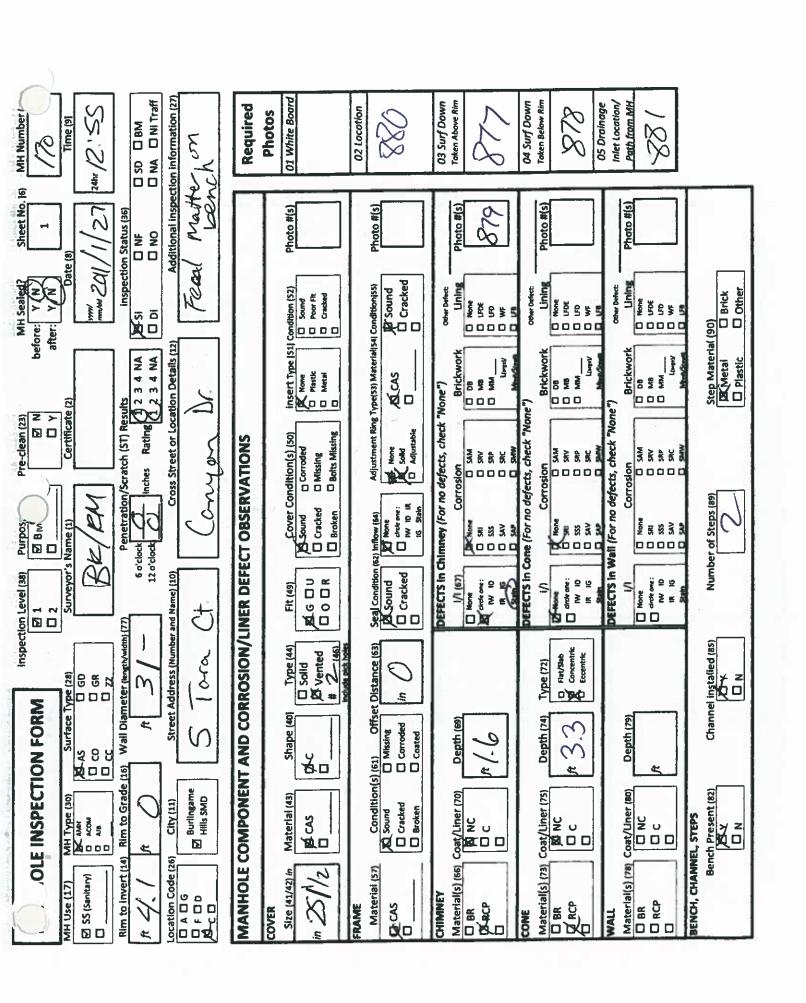
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O FM (Force Main) O IV (in Drop up)
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O FM (Force Main) Special REQUIRED Direction og = E G o = O ğ 2. = 0 0 0 0 0 0 0 0 0 0 § = □ <u>8</u> Pipe Number | Clock Position PIPE CONNECTIONS 7 (93) ø 3 Ę (91) N 3 ₩



MH Number			Seal Condition	punos g	L Defective	Z Sound	□ Defective	Ø Sound	□ Defective			□ Defective	D Sound	☐ Defective	D Sound	□ Defective		Dunos 🗆	□ Defective
			Condition	Defective		риnosф	□ Defective	₽ Sound	□ Defective	Cound		□ Defective	D Sound	□ Defective	D Sound	□ Defective		D Sound	□ Defective
		OPTIONAL	Width (98)																
			Diameter (97)	<i>∞</i>		80	88	7											
N I ON			Shape (96)	G Circular C Rectangular Square Arthed		C Grouler C Square C Action		Circular Circular Circular Circular		Chruiar C Rectangular			Circular Rectangular Square	O Arched	Circular C Recongular	Arched		Rectangular Square	
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			Rim to invert (93)	14		4.5	- 1	17.	- 1										
			Special Condition (101)	OU (Out three Up) OU (Out three Up) OU (Out three Up) OU it in three Lest Out the Bree Lowd	D 18 (Leteral)	O DL (Out Drop Low) O IU (in Orop Up)	C FM (Forte Main)	COU (Out Drap Up) COL (Out Drap Low) COL (Out Drap Low) COL (Out Drap Up)	FM (Force Main) LB (Laterni)	OU (Out Drop Up)	C (L) fin Oraș Lowi	D LB (Loteral)	C OU (out Drop Low)	O IL (in Drop Low) O FM (Force Main) O LB (Lehtral)	OU (Out Drop Law) IL (in Drop Up)	C It (in Orop Low) The (Force Main) Life (Lateran)	OU four bros Up!	C (U (in Deep Up)	C FM (Force Makn)
		REQUIRED	Direction (94)	E 0		B C		[편] [드 (ł		, jo		ë			ont O		<u>=</u> 0	
	ECTIONS		Clock Position (92)	ø		7		w											
SKLH	PIPE CONNECTIONS		Pipe Number (91)	-		2		2											



MH Number			Seal Condition (101)	bunos ph	D Defective	punos X	Defective	A Sound	D Defective	D Sound	D Defective	D Sound	a Defective	punos C	□ Defective	Count	C Defective
			Condition (99)	punos	D Defective	Sound	C) Defective	\$50und	□ Defective	D Sound	🗅 Defective	D Sound	C Defective	D Sound	□ Defective	pany	O Defective
		OPTIONAL	Width (98)	224													
		ō	Diameter (97)	A)	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		11	<i>t</i>								
7			hape (96)	Cooler Coo	D Arched	Chroler Rectangular Square	O Arched	O Reconguler		O Groder O Recengator	D Arched	O Rectangular		O Orouler O Rectinguier	Arched	C Rectingular	Square D Arched
Jan			Material (95)	553	3 %	្ត ខ្ទុំ ខ្ទុំ	4 %	5 \$ 3	2 Z Z	<u> </u>	12 5 12 5	\$ \$ \$	3 8 8	\$ \$ C	3 % %		3 4 5
	*		Rim to invert (93)	47	7.1	U II	7,0	70	2.1								
(2) -1			Special Condition (101)	C) OV (Det Dres Us) C) OV (Det Dres Low) C) (V (n Dres Us)	Tit (in Drop Low) PM (Force Make)	C OU four brus Low) C OL (our brus Low) C IV (in brus Low)	Ti, (in Drae Low) FM (Force Main)	O OU (Out Owe Us) Of (Out Owe Low) O IU (in Owe Us)	O ft. (to Drage Lead) O FM (force Moin)	OU tout one ust	O IL In Oraș Lovi O FM (Forza Main) O Lik (Lateral)	OU foet brue tief Of (oet brue tief Uf (in bree tie)	C It (in Ores Low) C FM (Force Main)	O OU (Out Drop Up)	O FM (force Main)	C OU (Dut Dres Us)	O NJ (in Dray Up) O N, (in Dray Louf) O FM (force Main)
		REQUIRED	Direction 194) C	. <u>s</u>		*		1 1 1 1 1 1 1 1 1 1			T Oot		□ out		50		5 0 0 0
п	CTIONS		Clock Position (92)	9	A P	5	4	U	\								
	PIPE CONNECTIONS		Pipe Number C	H		C	1	CY)								

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MH Number (1	7 Time (9)	O SD O BM	Additional Inspection Information (27)	Required	Photos OI White Board \$\frac{3}{2}\mathcal{C}	3 (6	03 Surf Down Taken Above Rim	O4 Surf Down Taken Below Rim	US Drainage inlet Location/ Path from MH $ > 2 /$	
Sheet No. (6		Inspection Status (36)	Additional Inspec		Photo #(s)	Photo #(s)	Photo #(s)	Photo #(s)	Photo #(s)	
MH Sealed?	arter: TAN Date (8	FZ 0	(12)		Insert Type (51) Condition (52) More District Descript Condition (52)	al(S4 Condition(SS)	Cher Defect: Lining Parameter Parame	8 0000C	* 00000	rial (90)
-	Certificate (2)	/Scratch (ST) Results Output Cross Street or Location Details (12)	S		Adjustment Ring Type(53) Material(54) Condition(55) None	Brickwork Brickwork D 08 D M8 D M8 D MM Mand Scann	"None")	" c c c	Step Material (90) M Metal D Plastic D	
Purpose Pre-clean (23)		Penetration/Scratch (ST) Results	Cross Street	ON/LINER DEFECT OBSERVATIONS	Cover Condition(s) (so) Sound □ Corroded Cracked □ Missing Broken □ Bolts Missing		DEFECTS in Chimney (For no defects, check "None")	no defec Corros	corros	
	BK/	0,00	ame) (10)	R DEFECT OF	Fit (49) Cover C G Sound G G G U G Cracked G G G G G G G G G G G G G G G G G G G	Seal Condition (s2) Inflow (s4) Sound Cracked Response to the seal of the s	J/I (67) None Carlo one: Description: Descr	DEFECTS in Cone (For I) I I I I I I I I I I I I I I I I I I		lumber of
Inspection Level (38)		Wali Diameter length/width) (77)	Street Address (Number and Name) (10)		Type (44) D Solid M Vented # 3 (46)	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		Type (72)		installed (85)
ION FORM	Surface Type (28) ET. AS	×	Street Addres	T AND CORR	Shape (40)	Offset lissing orroded	Depth (69)	Depth (74) Ty	Depth (79)	Channel installed (85)
MANAHOLE INSPECTION FORM	MH Type (30)	Rim to Grade	6) City (11) Burlingame Hills SMD	MANHOLE COMPONENT AND CORROS	Material (43)	Condition(s) (e1) Sound Cracked Cracked Cracken	Coat/Liner (70) 口 NC 对 C	Coat/Liner (75)	Coat/Liner (80)	Annel, STEPS Bench Present (82)
MaridHo	MH Use (17) S S Sanitary	Rim to Invert (14)	Location Code (26)	MANHOLE	COVER Size (41/42) in in 27/3/4	FRAME Material 157) C CAS	CHIMNEY Material(s) (66) Coat/Liner (70) Ki BR C RCP RCP C	iai(s) (73)	WALL Material(s) (78) BR CP	BENCH, CHANNEL, STEPS Bench Presen
									5	

MH Number			Seal Condition (101)	K Sound	Defective	Sound	Defective	d Sound	Defective	Sound	Defective	Sound	Defective	Sound	Defective	Sound	Defective
			Condition S		□ Defective	A punos &	□ Defective □	₽ punos pd	□ Defective □	D Sound	□ Defective □	D Sound	□ Defective	D Sound	□ Defective □	D Sound	□ Defective
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			Diameter (97)		0	/	9	9	0								
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2			t Material	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000	DXD (1	000	_¥_ \$ § §		533	000 7 §	000 5\$3				553	2 × ×
			Rim to Invert	26 17	() -1	5h 77	(,,)	JL []	7. ()			į			-		
To and the second			Special Condition (101)	OU (Out Drup Up) OU (Out Drup Law) IU (in Drup Up)	I. Jim Drop Low) FM (Force Males) LB (Lineral)	OU (out Drup Up) OI, (out Drup Up) OI (in Orap Up)	C FM (Force Main)	OU (Out Drup Upt Of that Drup Law)	It (in Drop tow) FM (Force Main) LB (Letteral)	Ot lost prop upt	IL (in Drop Low) FM (Force Main) Ub (Leteral)	OU fout trop tal	I It in Orse Low) PM (force Main) Us (Leteral)	OU (Out Once Up) OL (Out Drop Lew) O IU (in Drop Up)	☐ IL (in Drop law) ☐ FM (Force Main) ☐ LB (Leteral)	OU (Out One) Us)	O IL (in Drop Low) FM (Force Main)
		REQUIRED	Direction (94)	<u>=</u> :	ont S	Æ। ≅	o ort	ZZ F	ont	<u>=</u>	D Oct	<u>e</u>	□ Out	<u>=</u>	tho o	<u> </u>	D Out
	IECTIONS		Clock Position (92)	9		0	_	C)								
SK	PIPE CONNECTIONS		Pipe Number (91)	1		0	J	\sim	γ						į		

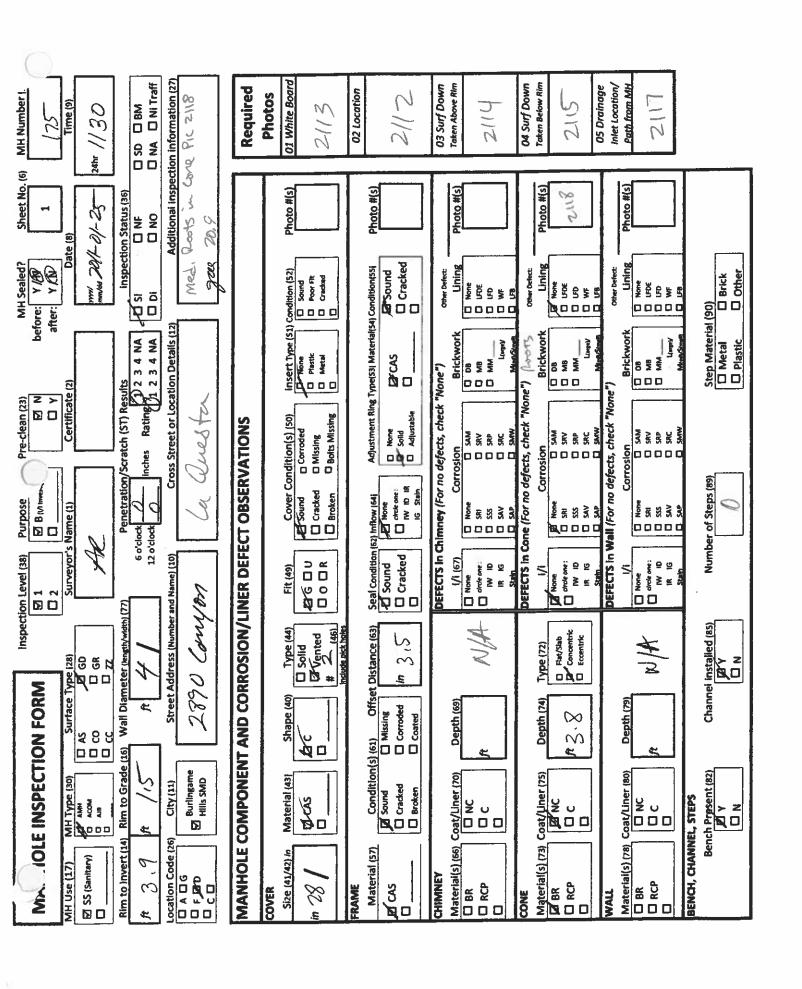
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(6) MH Number,	1 / 2- Time (9)	24hr 1045		0 SO 0 BM	ction information (2)	13	M GOME &	Required	Photos	2109	02 Locotion	2110) = - 	03 Surf Down	Taken Above Rim	¥ 2	04 Surf Down	Taken Below Rim	艺	05 Drainage	Path from MH	7 7 7			
Sheet No. (6)		mindes 2611-01-25	Inspection Status (26)	N C	Additional Inspe	Around WH.	Ş Ş	through PMC Pipe	Photo #(c)			Photo #(s)			Photo #(s)			Photo #(s)			Photo #(s)			5	2
1	after: Y/Ø	///// // bb/mm/bd		S 6			and t	4	Osert Type (51) Condition (52)	Sound Cacked		terial(54) Condition(55) Sound Cracked		ð		2000	3		000	•	<u></u>	\$22 000 61	-	erial (90)	Brick
Pre-clean (23)	Certificate (2)		1 (ST) Results	ოო	Cross Street or Location Details (12)			SNO				Adjustment Ring Type(s3) Material(s4) Condition(s5)		check "None")			ck "None")	Γ	O MM	ck "None")		MM C	N N	Step Material (90)	☐ Metal
Poose B ji/i Investig.)		72.	Penetration/Scratch (ST) Results	ock inches Rating	Cross Stree	H11816		T OBSERVATIONS	Cover Condition(s) (50)	☐ Sound ☐ Corroded ☐ Cracked ☐ Missing ☐ Broken ☐ 80lts Missing		=	- 1	DEFECTS in Chimney (For no defects, check "None")	Corros	20 0 58 20 0 58 20 0 58 20 0 58 20 0 58 30 0 58	For no defect	Corrosion D saw		DEFECTS in Wall (For no defects, check "None")	Corros	O SSS O SRP	SAP	Number of Steps (89)	
Inspection Level (38)	rveyor's N	Advan	dth) (77)	6 o'clock 12 o'clock	ber and Name) (10)			LINER DEFECT	Fit (49)	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		Seal Condition (62)		DEFECTS in Chin	(/1 (67)		DEFECTS in Cone	1/1	# O 5	DEFECTS in Wall	_	drote one:	1	Number o	
	face Type (28)	S	Wall Diameter (length/width) (77)	F N/4 /	Street Address (Number and Nam	141 Newton		MANAGE COMPONENT AND CORROSION/LINER	_		Include pick holes	Offset Distance (63) % ded in				2			000			<u>*</u> 2		Channel installed (85)	- z
NANHOLE INSPECTION FORM		000	Rim to Grade (16) Wall				MENT AND	MEINI AND	(43) Shape (40)			ion(s) (61) Missir				<u>.</u>		L	4 7 %	ı	(80) Depth (79)	#			
HOLE INSP		tary) 0 Acom		7 7 1.5	L	Burlingame Hills SMD	COMOD 3 IC	OLE COMPO	42) in Material (43)	8		000			3			Material(s) (73) Coat/Liner (75)	٥٥		ర	٥٥	BENCH, CHANNEL, STEPS	Bench Present (82)	Z
Nain	MH Use (17)	SS (Sanitary)	Rim to Invert (14)	# 1/4	Location Code (26)	3 0 0 3 2 0 3 0 0	MANIN		Size (41/42) in	in All	FRAME	CAS N		CHIMNEY Material(s) (sex	0 8R	2	CONE	Material(s)	_ RCP	WALL	Material(s) (78)		BENCH, CH/	•	

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Sheet No. (6) MH Number (1)	Required	Photos 01 White Board 260	259	03 Surf Down Taken Above Rim	04 Surf Down Token Below Rim 262	05 Drainage inlet Location/ Path from MH	.
Date (8) Inspection Status (36) In No Additional Inspectii		Photo #(s)	Photo #(s)	Photo #(s)	Photo #(s)	Photo #(s)	
frer: Y (1) Da (1) Paris (2) Paris (3) Paris (3) Paris (4) Paris (Insert Type (51) Condition (52) None	S4) Condition[S5] Sound Cacked	10		Other Oefect: Linling Mone Circle Cir	(90) 风 Brick 口 Other
3 4 NA 3 4 NA Details			Adjustment Ring Type(53) Material(54) Condition(55) None CAS Sound F solid Adjustable Cackec	Brickwork	# WI	Brickwork Brickwork D D8 D MM Unrest Material Street	Step Material (90) Mortal Polystic
Perectean (23) B Bin Investigat B Bin Investigat Certificate (2) Certificate (2) Certificate (2) Certificate (2) Certificate (2) Consiste to Certificate (2) Coss Street or Location Consiste to Cocation	OBSERVATIONS	Cover Condition(s) (so) Sound □ Corroded Cracked □ Missing Broken □ Bolts Missing			DEFECTS in Cone (For no defects, check "None")	DEFECTS in Wall (For no defects, check "None")	<u> </u>
NS NS NS NS NS NS NS NS NS NS NS NS NS N	DEFECT OBS	000	Seal condition (s2) inflow (s4) Sound Cracked In to in	15 in Chimney (For	In Cone (For no	in Wall (For no c	Number of Steps (89)
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N FORM Surface Type (28) Surface Type (28) Street Address (Number and Stree	ND CORROS	ape (40)) (61) Offset Distance (63) Missing in Corroded in Coated	Depth (69)	Depth (74) Type (72) G. Concentric Cocentric	Depth (73)	Channel Installed (85)
NSPECTION Type (30) AMH AGOM AGOM AGOM AGOM AGOM AGOM AGOM AGOM	MANHOLE COMPONENT AND CORROSION/LINER DEFECT	Material (43) Sh	Condition(s) (61) Sound	(70)	r (75)	(80)	sent (82)
MH Use (17) MH Use (17) MH El SS (Sanitary) El SS (Sanita	NHOLE CON	1/3/42)10	rial (57)	NEY rlal(s) (66	rial(s) (73)	ial(s) (78)	Bench Present (82)
MH Use MH Use Rim to Cocation	Σ	Size (Mate CAS	CHIMNEY Material Material	Materia RCP	MALL Materia D-BR D RCP	

SKL.H			-							MH Number
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	I	12	1		Z					
PE CONN	PIPE CONNECTIONS		\triangleright							
		REQUIRED						La MOLTAGO		
Pipe Number (91)	Clock Position (92)	Direction (94)	Special Condition (101)	Rim to Invert (93)	Material (95)	Shape (96)	Diameter (97)	Width (98)	Condition (99)	Seai Condition
Ħ	9	☐ ☐ Oct	OL (Out time Law) Ol (Out time Law) Ol (In Drop Up)	3.6	5 \$ 3 ¥	Circular Rectangular Square Arched	/		punos	punos pu
			I'M (Force Make) I.B (Lateral) OV fox Once Lie)			- 1	0		□ Defective	□ Defective
\sim	9	18 1□	Ot (Out Drop Low) Of U (in Drop Up) Of U (in Drop Up)	8.07	ព ស៍ ពព ភូទូ ន	Chrouler Chromoder Chromod	/		Sound	punos)
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		- 1	FM (Force Main) UB (Lineral)		¥ }				□ Defective	□ Defective
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	<u> </u>	t oo	It (in Drop Low) FM (Force Male)		345	O Arched			T Defective	
			LD (Lefteral)							

Sheet No. (6) MH Number (2) 174 174	Required	Photos 01 White Board 287	02 Location 2 90	03 Surf Down Token Above Rim	04 Surf Down Taken Below Rim	Us Drainage Inlet Location/ Path from MH	
		Photo #(s)	Photo #(s) 288	Photo #(s)	Photo #(s)	Photo #(s)	
MH Se Cree: Teer: MH Se Cree:		(51) Condition (52)	riai(s4) Condition(ss) Sound Cracked	other Defect:	00000		rial (90)
Pre-clean (23) Ed N Ed N Ed N To Y al Certificate (2) On/Scratch (ST) Results Inches Rating (2 3 4 NA) Cross Street or Location Details (12)	15 S	SO) Insert Type (S1) A None O Plastic Metal	Adjustment Ring Type(53] Materiai(54) Condition(55) Make CAS Sound Sound Adjustable CAS Cracked	heck "Nane") Brickwork D 08 D M8 D MM	Brickwork Brickwork		Step Material (90) C Metal C Plastic
	ON/LINER DEFECT OBSERVATIONS	Cover Condition(s) (50) K Sound Corroded Cracked Ci Missing Broken Bolts Missing			no defects, Corrosion	no defect Corros	
	ER DEFECT O	Fit (49) G D U D B	Seal Condition (62] inflow (64) E-Sound Cracked NW 10 IN 10			DEFECTS in Wall (For r	lumber of
Inspecting (28) G G G G G G G G G G G G G G G G G G G		Type (44) Solid Solid Vented # 7 (46) Include pick holes			Type (72) Har/Slab GA		Channel Installed (85) 国 Y
N FOR	MANHOLE COMPONENT AND CORROSI	Shape (40)	Offset Alssing corroded coated	Depth (69)	Depth (74)	Depth (79)	Channel I
MH Type (30) MH Type (30) A AGON A ANH A Burlingame A Burlingame	COMPONE	Material (43)	Condition(s) (s1)	Coat/Liner (70) Material(s) (66) Coat/Liner (70) Material (70) Materia	Coat/Liner (75)	Coat/Liner (80)	Bench Present (82)
MH Use (17) EN SS (Sanitary) Rim to Invert (14) R 5-0 Location Code (26) O A D G	MANHOLE	COVER Size (41/42) in in $27\sqrt{3/4}$	FRAME Material (57) GLCAS	CHIMNEY Material(s) (66) M BR C RCP	CONE Material(s) (73) M TRCP C RCP	WALL Material(s) (78)	BENCH, CHANNEL, STEPS Bench Presen
						2	

MH Number			Seal Condition (101)	punos p	□ Defective	punos 1	□ Defective	punos 🛭	□ Defective	D Sound	□ Defective	punos 🛭	□ Defective	D Sound	C Defective	punos 🛭	☐ Defective
			Condition (99)	punos)	□ Defective	g.Sound	□ Defective	D Sound	□ Defective	D Sound	□ Defective	D Sound	□ Defective	D Sound	□ Defective	D Sound	☐ Defective
		OPTIONAL	Width (98)														
		ľ	Diameter 1971 inches	A	0	R	0										
			Shape (96)	Circular Rectangular Square		Circular Rectangular Square		Orcular O Rectangular		Crouter Rectangular	Arched	Circular Circular Circular Circular Circular	O Arched	Crouler C Rectangular Square	C) Arched	Chrotar Rectangular Source	
			Material (95)	5 5 3 4	, ž	8 ¢ \$	0 0 0 WC	\$ \$ \$	2 2 2	200	3 4 %	5 \$ \$	2 P		000 %	000 \$\$\$	2
1 - 1			Rim to invert (93)	- 5	- 1	7	- 1										
			Special Condition (101)	OU (Out Drop Up) OU (Out Drop Low) Ou (Out Orop Low) Ou (I the Drop Up)	C FM (Force Main)	OU (Out Drop Up) OU (Out Drop Up) OI (In Orep Up)	☐ IL (in Drop Low) ☐ FM (Force Main) ☐ LB (Laterni)	OV (Out Drop Up)	It (in Drop Low) PM (Force Main) LB (Lateral)	O OU fout brop upi	It (in Orop Low) FM (Force Main) 15 (Lateral)	OU (Out Drap Up)	It (in Drop Low) FM (Force Main) U.B (Lateral)	OU (out bray lay)	It (in Drop Low! FM (Force Main) LB (Lateral)	OU fout brey up) OL fout brey ton) Ol fout brey ton)	It in Drop Low) FM (Force Main) UB (Lateral)
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SK.	PIPE CONNECTIONS		Pipe Number (91)	н		7	7										



MH Number Seal Condition 12 (101) □ Defective C Defective Defective □ 0efective Defective Defective □ Defective Sound D Sound Sound Punos P D Sound Sound D Sound Condition (99) O Defective C Defective □ Defective O Defective C Defective O Defective □ Defective P Sound D Sound E Sound Dunos © Sound Dunos D D Sound Width (98) inches OPTIONAL Diameter (97) inches 2 2 00 00 Chroster
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Sheet No. (6) MH Number (1) Ite (8) Status (36) Inne (9) Time (9)	Required	Photos 01 White Boord 306	30 Locotion	03 Surf Down Token Above Rim	04 Surf Down Taken Below Rim	05 Drainage Inter Location/ Path from MH SO 9	
MH Sealed? Ore: Y (M) Ther: Y		NSert Type (51) Condition (52) Photo #(5) None Sound Sound	Adjustment Ring Type(S3) Materialisa) Condition(SS) None Scale Adjustable Adjustable Adjustable Adjustable Adjustable Adjustable Adjustable	Brickwork Linling Photo #(s)	kwork	Kwork	rial (90)
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ᅵᅥ	Ty) C AMH	11 (14) Rim to Grade (16)	Je (26) City (11)	Burlingame Hills SMD	LE COMPONEI		3) in Material (43)] 		Sound O		(66) Coat/Liner (70)		(73 Coat/Liner (75)	Ž 0 0		٥	٥٥	BENCH, CHANNEL, STEPS	Bench Present (82)
MH Use (17)	SS (Sanitary)	Rim to Invert (14) $\mathcal{H} \left(\begin{array}{c} 0 \\ 0 \end{array} \right)$	Location Code (26)		MANHO	COVER	Size (41/42) in 27/3/4		FRAME Material (cz.)	Ø CAS	CHIMINEY	Material(s) (661	CONE	Material(s)	# D	WALL	Material(s) i78i	ည္ 	BENCH, CH	

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te (8) Time (9) Time (1) Required Photos OI White Board 299	3 dd	03 Surf Down Token Above Rim O4 Surf Down Token Below Rim O5 Drainoge Inlet Location/ Path from MH SOO	
Sheet No. (6) March	Photo #(s)	Photo #(s)	Photo #(s) 303
MH Sealed? ore: Y / W frer: Y / W Inspect Da LISSI Do OFF	ngert Type (51) Condition (52) F None	Adjustment Ring Type(S3 Material(S4) Condition(SS)	
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te (8) 1	Required	Photos O1 White Board 269	16s) 26C	165		05 Drainage inter Location/ Path from MH 266	
MH Sealed? Ore: Y/AC Ther: Y/AC Inspect		Insert Type (51) Condition (52) Photo #(5) St. None	terial(s4) Condition(ss) (X Sound Cracked	° (#,000	° 0000		erlal (90)
Pre-clean (23) Certificate (2) Certificate (2) Author/Scratch (5T) Results Inches Rating (12 3) Cross Street or Location D Gard Outhor	OBSERVATIONS	ondition(s) (so) Corroded Missing Boits Missing	Adjustment Ring Type(53) Material(54) Condition(55) Reper: 12 None 12 CAS (12 Sound in its i		check "None") SAN SRV SRP SRC	DEFECTS in Wail (For no defects, check "None") Mind Simen	Step Material (90)
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Sheet No. (6) MH Number (1) 1	Required Photos 01 White Board 2 84 02 Location 03 Surf Down Token Above Rim 2 75 04 Surf Down Token Below Rim 2 76 05 Drainage Inlet Location/ Path from MH 2 78	
Sheet No. (6) Modultional inspection Additional inspection Additional inspection Additional	Photo #(s) Photo #(s) Photo #(s) Photo #(s) Photo #(s)	
AMH Sealed? Ore: Y / (6) The control of the contr	Cracked Crac	□ Brick □ Other
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Wall Diameter (length/width) (77)	Penetration/Scratch (ST) Results inspections inches Rating 2 3 4 NA IN IN IN IN IN IN IN IN IN IN IN IN IN	Inspection Status (36)	O SD CD BM
Street Address (Number	Details (12)	Additional Inspec	
MANHOLE COMPONENT AND CORROSION/L	ON/LINER DEFECT OBSERVATIONS		Required
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Condition(s) (61) Offset Distance (63) Sound Missing in Offset Distance (63)	Seal Condition (sz) inflow (s4) Sound Cracked Cracked Cracked Adjustment Ring Type(53) Material(54) Condition(55) Mone None Sound Adjustable Adjustable Adjustable Adjustable Adjustable Adjustable Adjustable Cracked Cracked	Photo #(s)	02 Location 29 2
Depth (69)	Control Cont	Photo #(s)	03 Surf Down Taken Above Rim
Depth (74) Type (72) Hat/Slab Concentre Eccentric	in Cone (For no defects, check "Nane") Mortec	Photo #(s)	04 Surf Down Token Below Rim
Depth (79)	in Wall (For no defects, check "None") Corrosion Brickwork Corrosion Corr	Photo #(s)	05 Drainage inlet Location/ Path from MH 29
Channel Installed (85)	Step Material (90) Step Material (90) Metal Plastic		

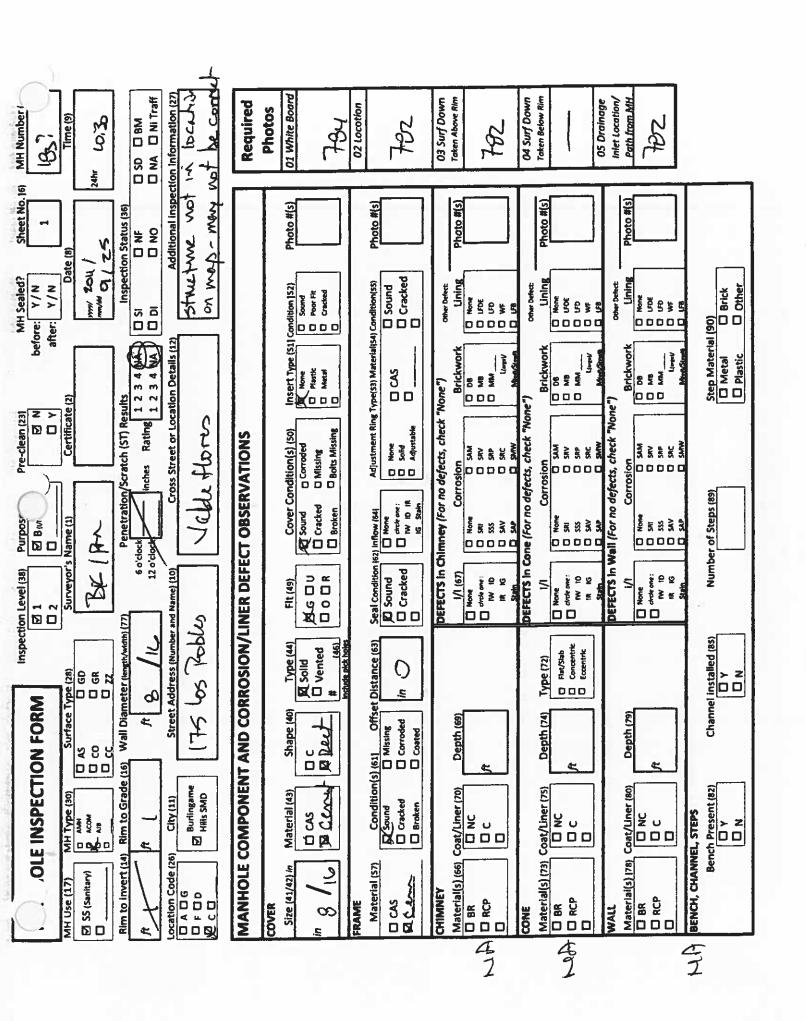
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MH Number			Seal Condition (101)	punos-8	□ Defective	P Sound	□ Defective	Sound	□ Defective	Per Sound	□ Defective	punos 🛭	□ Defective	punos 🗆	☐ Defective	punos a	☐ Defective
			Condition (99)	Sound	☐ Defective	punos	□ Defective	Desound	□ Defective	punos	C Defective	D Sound	□ Defective	D Sound	□ Defective	D Sound	☐ Defective
		OPTIONAL	Width (98)														
			Diameter (97)		0	<	9	۵	0	\	0						
			IV) 1	O Sectangular O Square		Chruler Rectanguler Square		Chruder Chruder Chruder Chruder	O Arched	Circular O Rectangular O Square		Circular Rectangular Souare	Arched	Cheular C Rectangular C Square		Orcular O Rectangular Square	D Arched
			Material (95)	ក្សា ភូន្ទិន្តិ		5 \$ \$ \$		ច្ ង ជា ទីទីនី		5 \$ \$	2 & C	223	3 4 §	5 \$ 3	000 % %	5 \$ 3	0 0 0 0 WC
7			Rim to Invert (93)	43		\ \	7.6	117	1.7	1	7.2						
10			Special Condition (101)	OV (Out Drop Usw) OV (Out Drop Usw) OV (in Drop Usw) OV (it Drop Usw)	FM (Farce Main)	OU (Out Drop Up)	It (in Drops Low) FM (Force Muhn) Us (Laveral)	OU (Out Drop Up) Of (Out Drop Low) U (in Drop Up)	I the Drop Low) C FM (Force Maint) Us (Letteral)	OU four brey be)	I L (in Groe Low) FM (Force Maks) LB (Lakersi)	COU (Out Drap Up) COU (Out Drap Low) COU (Out Drap Low)	O 1L (in Drop Law) O FM (Force Main) O LB (Lateral)	OU TOWN Drops Ups) OIL FOUR Drops Lowe) OIL (In Drops Ups)	O IL (in Drop Low) O FM (force Main) O LB (Leteral)	COV (Out Drap Up) COV (Out Drap Law) COV (In Drap Up)	C IL (in Drop Low!) C FM (Force Main) C 18 (Lateral)
		REQUIRED	Direction (94)	= 6 = 6		<u>⊆</u> 1831		超		ZP in		ĺ	ont	ë		<u> </u>	
	ECTIONS		Clock Position (92)	9		0		7	J	7	\cap						
SKL	PIPE CONNECTIONS		Pipe Number (91)	q-1		7	J	M)	11	7						

		945		
Sheet No. (6) MH Number, 1	Required	Photos 01 White Board \$\ightarrow{\ightarrow	940 SOS	03 Surf Down Token Above Rim OU Surf Down Token Below Rim Sof Drainage Inter Location/ Path from MH Sof TH
Sheet No. (6) 1 Date (8) 1 Date (8) Inspection Status 136) Inspection Status 136) Additional inspection Additional inspection		Photo #(s)	Photo #(s)	Photo #(s) Photo #(s) Photo #(s)
MH Sealed? Ore: Y KN Free: Y KN Free: Y KN The SI O DI		Condition (52) Sound Poor Fit Cracked	Condition(55)	Other Defect: Lining Other Defect: Construction
3 4 NA 3 4 NA 3 4 NA		Insert Type (51) Condition (52) R None	Adjustment Ring Type(33) Material(54) Condition(55) None Ed CAS D Sound Solid Adjustable D Crackee	Brickwork Lining oner ortect Chairs on the Control of C
Pre-clean (23) B (M) Investiga) The Month of the Month	RVATIONS	Cover Condition(s) (so) Sound Corroded Cracked Missing Broken Bolts Missing	Adjustment Rin None Sel Solid Adjustable	
Purpos S Name (1) Penetrati O'clock	LINER DEFECT OBSERVATIONS	2 00	Seal Condition (62) Inflow (64)	11.5 in Chimney (For no de cone: one: one: one: one: one: one: one:
ection of the control		H) Fit (49)		
N FORM Inspection Surface Type (28) Surface Type	CORROSIOI	40 Type (44) Solid	Offset Distance (63)	th (74) Type (72) (b) Concentric Concentric Concentric Channel installed (88)
INSPECTION FOR THE Type (30) AH Type (30) Surface (30) Rim to Grade (16) CC Rim to Grade (16) CC Rim to Grade (16) CC CC Rim to Grade (16) CC Rim to Grade (16) CC CC CC CC Rim to Grade (16) CC CC CC CC CC CC CC CC CC	NENT AND	Shape (40)	on(s) (61) Missir Corror	Dep 1
MATYPE (30) H Use (17) H Use (17) Surface Type (30) Acom MANHOLE COMPONENT AND CORROSION	Material (43)	Ø.D.D.	(66) Coat/Liner (70) (73) Coat/Liner 175) (73) Coat/Liner 180) (73) Coat/Liner 180) (74) Coat/Liner 180) (75) Coat/Liner 180) (74) Coat/Liner 180) (75) Coat/Liner 180) (75) Coat/Liner 180) (75) Coat/Liner 180) (76) Coat/Liner 180) (77) Coat/Liner 180) (78) Coat/Liner 180) (78) Coat/Liner 180) (78) Coat/Liner 180) (78) Coat/Liner 180)	
NH Use (17) S (Santany)	MANHO	Size (41/42) in 27/3/4	Material (s7)	CONE Material(s) (66 Coat/Lin BR CONE Material(s) (73) Coat/Line BR CORE Material(s) (73) Coat/Line CONE Material(s) (73) Coat/Line CONE Material(s) (73) Coat/Line CONE CONE Material(s) (73) Coat/Line CONE CONE Material(s) (73) Coat/Line CONE CONE CONE CONE Material(s) (73) Coat/Line CONE CONE CONE CONE CONE CONE CONE CONE

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NNECTION Clock Position 6 6	Pipe CONNECTIONS Pipe Pi
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Sheet No. (6) MH Number [1]	Time (9)	(36) CD BM CD NA CD NI Traff		Required	Photos 01 White Board (6 8 9	#(s) /6 90	d3 Surf Down Token Above Rim		05 Drainoge Inlet Location/ Path from MH	2.00
MH Sealed? Sheet before: Y/M after: Y M	mm' 2011/1/14	4 NA G DI C O NO			pe (51) Condition (52)	rerial(s4) Condition(55) Photo #(s)	Kwork Lining Photo #(s) X None 150 15	8 Mooo		iai (90)
	Certificate (2)	Penetration/Scratch (ST) Results ck	Cross Street or Location Detalls (12)	ERVATIONS	Cover Condition(s) (So) insert Type (51) (Sound Corroded Plastic Cracked Missing Cover Condition(s) (Sound Cover C	Adjustment Ring Typels3) Material[54] Condition[55] Adjustable CAS JG Sound Cracket In Adjustable Cracket		R "None") Brk	S ST. S	
inspection Level 138 Purpose	Surveyor's Name (1) BL/RM	ftr/width) (77) Penetra 6 o'clock 0 12 o'clock 0	(Number and Name) (10)	MANHOLE COMPONENT AND CORROSION/LINER DEFECT OBSERVATIONS	Fit (49)	(63) Seal Condition (62) Inflow (64) [X Sound of place one: Cracked IN ID IR 16. Stain 16. Stain	DEFECTS in Chimney (FC 1/1 (67) M None Chick one: Ch	(2-)	DEFECTS in Wall (For no defects, check "None")	Number of
	Surface Type (28)	Wall Diameter (teng	Street Address	ENT AND CORROSIO	Shape (40) Typo	on(s) (61) Offset Missing Corroded Coated	Depth (69)	5) Depth (74) Type (72) C FlavSlab The Concentric Defector Concent	0) Depth (79)	2) Channel installed [85]
011	MH Use (17) MH Type (30) S (Sanitary) A ANH ACOM	Rim to invert (14) Rim to Grade (16)	Location Code (26) Cify (11) □ A □ G □ F □ D Hills SMD	MANHOLE COMPON	Size (41/42) in $27/5/8$ D CAS	Material (s7) Conditle RACAS Cracked Gracked Broken	CHIMNEY Material(s) (66) Coat/Uner (70) BR CROP CCC	CONE Material(s) (73) Coat/Liner (75) K BR K C C C C C C C C C C C C C C C C C C	MALL Material(s) (78) Coat/Liner (80) D 8R D NC D RCP D C	BENCH, CHANNEL, STEPS Bench Present [82]

MH Number			Seal Condition (101)	M Sound	☐ Defective	punos 💉	□ Defective	punos p	□ Defective	punos 🗆	□ Defective	D Sound	□ Defective	punos 🛭	□ Defective	Sound	Defective
			Condition (99)	punos ps	☐ Defective	punosy	D Defective	punos d	□ Defective	D Sound	□ Defective	Dound -	□ Defective	D Sound	□ Defective	D Sound	□ Defective
		OPTIONAL	Width (98)														
		°	Diameter 197) inches	/	9	/	e		0						·		
2				Chrouler Chrouler Chrouler Chrouler Chrouner		Circular Circular Circular Circular Circular	O Arched	Chroster Rectangular Square		Croular Croular Country	O Anched	Chronist Chronist		Circular Circular		Crouler Crouler	O Arched
		1	Material (95)	5 \$ 3		0)5 (0)		0 4 0		553	000 % %	\$ \$ \$	2	000 \$ \$ \$	8 %		0000 %
			Rim to Invert 193)		12	- J	/ . /	2 45	7,01		ļ						
27			Special Condition (101)	OU (out those Use) OU (out those Leve) OU (in those Use)	I to the Drep Low) FM (force Main)	OU (Out Once bus) OL (Out Drop Low) IU (in Drop Up)	It (in Drop Low) FM Force Main) LB (Lateral)	O OU lour they up) O L (out they Lew) I'll (in they up)	It (in Oraș Low) FM (Force Main) LB (Lateral)	OU four breys up) OL (Out breys Low) It (in breys up)	C It (in Drop Low) C FM (Forte Main) C LB (Lateral)	OU (Out Drop Up) OU (Out Orop Low) Ou (Out Orop Low)	O IL (in Drop Low) O FM (force Main) O LB (Lintera)	OU (Out Drop Up) OL (Out Drop Low) O NJ (in Drop Up)	O II. (in Orop Low(O FM (force Main)	OU (Out Drop Up)	C IV (in throp top) C IV (in throp tow) C FM (force Main) C LB (Leteral)
		REQUIRED	Direction (94)	<u>=</u>)K)		M		<u> </u>			ont		Out		o out
	ECTIONS		Clock Position 92)	9		10:20	2/ 2/	7	0								
SKL.JH	PIPE CONNECTIONS		Pipe Number (91)	+-4		322	g	7	7								

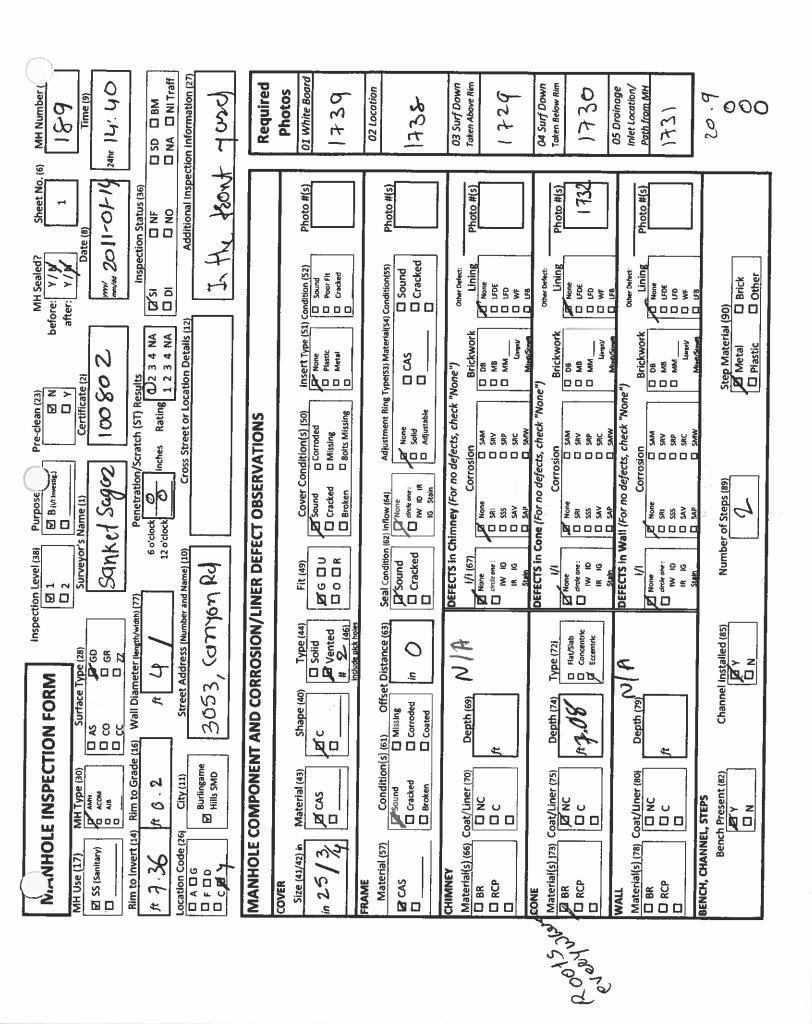
	MANHO	MANHOLE INSPECTION FORM	ION FOR	_	nspection Level [38]	Purpose (B (V) Investig.)	Pre-clean (23)		MH Sealed? before: Y/M after: Y (N)	Sheet No. (6)	MH Number (1)
	MH Use (17) S (Sanitary)	MH Type (30)	Surface Surface O CO	Surface Type (28) 1 GD 1 GR 1 GR	Surveyor's Name (1) BK/RI	Name (1)	Certificate (2)	ite (2))))))/ Date (8)	(8) //// 4	Time (9)
	Rim to invert (14)	14) Rim to Grade (16)	×	Wall Diameter (length/wdth) (77)		Penetration 6 o'clock	ck C Inches Rating (1)	h (ST) Results (A) 2 3 4 NA Rating (A) 3 4 NA	inspection in the inspection i	inspection Status (36) In NF In NO	O SD O BM
- L	Location Code (26)	26) City (11) Burlingame Hills SMD	Street Ad 3052	Street Address (Number and Name) (10) $052~$ (Gur Yon PO .	and Name) (10)	Tipt	Cross Street or Location Details (12)	cation Detalls (1.		dditional inspec	Additional inspection Information (27)
-	MANHOLE	MANHOLE COMPONENT AND CORROSION/LINER DEFECT OBSERVATIONS	T AND CO	RROSION/L	INER DEFE	CT OBSER	VATIONS				Required
	COVER Size (41/42) in in 2719/4	Material (43)	Shape (40)	Type (44) Solid Vented # 3 (46)	Fit (49)	Cover Cor	Cover Condition(s) (50) Sound □ Corroded Cracked □ Missing Broken □ Bolts Missing	Insert Type (51) Condition (52) None Sound Natic Poor Ht	Condition (\$2)	Photo #(s)	Photos 01 White Board
- I	Material (57)	Condition(s) (61) Sound Cracked Broken	orro oate		Seal Condition (62) (nflow (64) Sound	(2) (nflow (64) None Girck one: Ny 10 IR	Adjustment Ring Mark None Solid Adjustable	Adjustment Ring Type(53) Material(54) Condition(55) Mone	M Condition(55) Sound Cracked	Photo #(s)	02 Location
<u> </u>	CHIMNEY Material(s) (66) C BR C RCP	Coat/Uner (70) Manual NC Coat/Uner (70)	Depth (69)		DEFECTS in Ch	Himney (For no Corr Day None Day SRI Day SRI Day SRI Day SAV Day SAV		"None") Brickwork D bs D M8 D M8	Other Defect: Lining BA None G 1-70 E G 1-70 E G 1-70 E G 1-70 E	Photo #(s)	03 Suf Down Taken Above Rim
	rial(s) (73	Coat/Liner (7s)	Depth (74)	Type (72) G Flat/Slab M Concentric G Eccentric	DEFECTS in Co	Me (For no def	DEFECTS in Cone (For no defects, check "None")	Brickwork Brickwork D8 D M8 D MM Larred Mental Street		Photo #(s)	04 Surf Down Taken Below Rim
1	WALL Materia(s) [78] G BR G RCP	MALL Material(s) 178 Coat/Liner (80	Depth (79)		DEFECTS in W. i/i □ None □ circle one: IN 16 IR 16 Stain.	ail (For no defe Corr O ski O sss	DEFECTS in Wail (For no defects, check "None") i Corrosion			Photo #(s)	Inlet Location/ Path from MH 71/5/17/6
	BENCH, CHANNEL, STEPS Bench Presen	Annei, STEPS Bench Present (82)	Channe	Channel installed (85)	Numbe	Number of Steps (89)		Step Materiai (90) Step Material Comparts Compar			

MH Number			Seal Condition (101)	\$ Sound	□ Defective	punos di	□ Defective	punos 🛒	D Defective	D Sound	□ Defective	punos 🗆	□ Defective	D Sound	□ Defective	punos 🗆	□ Defective
			Condition 199)	X Sound	□ Defective	Sound	☐ Defective	R Sound	□ Defective	D Sound	□ Defective	D Sound	□ Defective	Dound -	□ Defective	D Sound	□ Defective
		OPTIONAL	Width 198) Inches								28						
			Diameter (97)	/	9	_	0	/	0								
7			Shape (96)	Circular Cir		G Circular C Rectangular C Square	D. Arched	Chrolier Chrolier Chrolier Chrolier Chrolier Chrolier	O Arched	Crouter Rectangular County	O Arched	Croular Rectangular Square		Chauler Chauler Chauler Chauler Chauler Chauler		Circular Circular Circular Circular Circular Circular	
2			Material (95)	日本 で の の の の の の の の の の の の の の の の の の		ព ាស ពេល ទីទីនី ៖		75 VCP		\$ \$ \$	3 %	000 \$ \$ 3	2	2000 2000 2000 2000		5 5 3	
W -			Rim to Invert (93)	(1	- 1	7)	797	5-16								
	7		Special Condition (101)	OU for these up) OU for these law) Ou for the the law) Ou fin the the law)	FM Force Man) LB (Leteral)	C O'L TOAT Drop Low) C I'L Ten Drop Low)	C FM (Force Main)	C) OU love brop Lips) C) OL jour brop Low) C) IÚ (in brop Up)	D IL (in Drop tow) D FM (Force Main) D LB (Leteral)	OU tout brep up) OU tout brep tow!	O IL (in Drop Low) O FM (Force Main) O LB (Laterary)	COUlour one lest COUlour one Low) COULOUR one Low)	IL (in Drop Low) FM (Force Main) LB (Leveral)	O OLION Drop Up) OLION Drop Lew)	It in Drop Low) FM Force Main UB Lateral)	OU (Out Drop Up)	It in Drop tow; FM iPorce Main; LB (Lateral;
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i	ECTIONS		Clock Position (92)	9) -	0	1								
SKL. JH	PIPE CONNECTIONS		Pipe Number (91)	1		C	1	4)								

MH Number 187			n Seal Condition (101)	K Sound	O Defective	pg Sound	□ Defective	punoS 🗆	0		Dunos I	□ Defective	D Sound	Defective	Sound	Defective		D Sound	Defective
			(98) Condition	nos, <u>a</u>	□ Defective	punos 2	□ Defective	punos 🗆	□ Defective	-	Dunos I	□ Defective	punos 🗆	C Defective	D Sound	□ Defective		D Sound	□ Defective
		OPTIONAL	Diameter (97) Width (98) inches				0												
			hape (96)	rela		Circular Rectangular Square	Arched	Croular Croular Croungular	Arched	Circular Di Rectandular	Square		Circular Creatural	Arched	Circular D Rectangular	Party C	t i	C Square	
			Material (9s)	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	PVC		PVC	RCP VCP	3 4 5	RCP Series		PVC	RCP VCP	3 4 5	\$ 62		202		PVC
			Rim to Invert (93)	7.78	4,50	10 00	C7:7												
J.			Special Condition (101)	OU four they up) OU (our they up) IU (in they up)	O II (in Drop Low! O FM (Force Main) LB (Leseral)	OV four they up!	C) II (in Drop Low) FM (Force Main) LB (Leteral)	OU tout once bust	L to (in brog up)	COU (Out Drop Up)	1U (in Ong ug)	FM (Force Main)	OU (out brop Up)	1 L In Drop Low) PM (Force Main)	OU four brep up!	O IL (in Drop Low) FM (Force Main)	OU Jour area Up)	O IV (in Owe Up)	C FM (Force Main)
		REQUIRED	Direction (94)	<u>=</u>	Out Out	Ę	□ out	<u>.</u>	; ŏ		<u> </u>	3	<u>9</u>	: ŏ	<u> </u>	; ŏ		<u>=</u> .	ਤ ਹ
	FECTIONS		Clock Position (92)	9		11.20	R-=												
SKL	PIPE CONNECTIONS		Pipe Number (91)	Ħ	'	(7												

1 188 Time (9) Time (9) 1 1 1 1 1 1 1 1 1	Required	Photos 01 White Board 9 3 3	92 Location 934	03 Surf Down Taken Above Rim	04 Surf Down Taken Below Rim	05 Drainage Inlet Location/ Path from MH	
1 Spect No. (6) V/N V/N Date (8) Inspection Status (36) Si	next to MA	Photo #(s)	Photo #(s)	Photo #(s)	Photo #(s)	Photo #(s)	
Inspect	vent ne	Condition (52) Sound Poor Fit Cracked	If Conditioniss) Ex Sound Cracked	Other Defect Unling O None O UDE O WF	Other Defect: Uning O None O GO	Other Defect	(90) 13 Brick 13 Other
3 4 NA 3 4 NA 3 4 NA	Openu	insert Type (51) Condition (52) K. None Pisstic Netral Netral	Adjustment Ring Type(53) Material(54) Condition(55) None D.C.AS EC.Sound R.Solid Adjustable D.C.AS Cracket	None") Brickwork D bs D ws D ws D ws Medical	@	Brickwork	Step Material (90) Metai 🔲 Brick Plastic 🗂 Other
Pre-clean (23) B (v) B (v) Certificate (2) Penetration/Scratch (5T) Results Cross Street or Location Details (12) Cross Street or Location Details (12)	/ATIONS	Cover Condition(s) (so) Sound □ Corroded Cracked □ Missing Broken □ Bohs Missing	Adjustment Ring		DEFECTS in Cone (For no defects, check "None")	defects, check "None") Corrosion Sam Sav Sav	
Purpos Brown Cock Clock Cl	IN/LINER DEFECT OBSERVATIONS	Cover Con Cover Con	(62) Inflow (64) Mone The one: NO IN IN IN IN IN IN IN IN IN	Th(mney (For no Corr of None SAI SAI SAI SAI SAN SAN SAN SAN SAN SAN	Core (For no def	FOT TO SSS SAV	
Survey Survey Survey A A	LINER DEFI	Fit (49)	Seal condition (62] Inflow (64) GCSound Cracked NW 10 NW 10 1G Stal	DEFECTS in C	DEFECTS In (i/) i/) i/) i/one i// i// i// i// i// i// i// i	DEFECTS in 1/1 None	ř.
in Control of the Con		Type (44) Soid	Offset Distance (63) ted in O		Type (72) Rat/Stab Concentric		Channel Installed (85)
Surface Ty Baco Caco Caco Caco Caco Caco Caco Caco C	NT AND CC	Shape (40)	Condition(s) (61) Offs Sound Missing Gracked Corroded Broken Coated	Depth (69)	Depth (74)	Depth (79)	
OLE INSPECTION FORM WH Type (30) The Kown The Kown The Kown The Companies of the Compa	MANHOLE COMPONENT AND CORROSIO	Material (43)	Condition B Sound Cracked Broken	Coat/Liner (70)	Coat/Liner (75)	Coat/liner (80)	NNEL, STEPS Bench Present (82)
MH Use (17) MH Use (17) S (Sanitary) Rim to invert (14)	MANHOLE	Size (43/42) in 127 3	FRAME Material (57) DECAS	CHIMNEY Material(s) (66) BR C RCP	CONE Material(s) (73) D BR D RCP	WALL Material(s) (78)	BENCH, CHANNEL, STEPS Bench Presen 阿・
				4	4	4	

MH Number			Seal Condition (101)	punos	O Defective	punos 🖈	□ Defective	bu Sound	Defective	punoS 🗅	a Defective	punoS 🖸	□ Defective	D Sound	a Defective	D Sound	□ Defective
			Condition (99)	\$Sound	O Defective	A Sound	O Defective	65ound	□ Defective	D Sound	☐ Defective	D Sound	☐ Defective	D Sound	a Defective	D Sound	() Defective
*		OPTIONAL	Width (98)														
		0	Diameter (97) inches	/	0	11	1 -3	/	9								
		1	Shape (96)	X Chroter Rectangular Square		C Crouier C Rectangular C Square	D Arched	Aprillerpes D	Archaed	O Orcelor O Rectangular	Arched	Chouler Chouler Chouler Chouler Chouler Chouler		O October O Recomputer Source	D Arched	C Crossin C Rectangular C Soure	
2 -	- **		Material (95)	5 5 3 5		0 A 0	000 74 74	0 10 10 10 10 10 10 10 10 10 10 10 10 10	K K K	1	3 8 8	5 \$ 3 0 0 0		\$ \$ \$	2 × ×	000 \$\$\$	2 %
			Rim to invert (93)	61	1.1	/	/	5 '	(,)			 P_x					
1 An -)	2		Special Condition (101)	CI OU (Out Drug Liber) CI (U (in Ones Lipe) CI (I (in Ones Lipe)	C) FM (Sorve Main) C) LS (Lewest)	CI OU (out Dres Up) CI OU (out Dres Low) CI (U Pr. One Up)	IL (in One Level FM (Force Main) L& Laterell	(3) OU (Out Drop Up)	IL (in Drap Law) FM (Perce Mahr) LB (Leveral)	C OU fore one use	C) IL (in Drop Low) C) FM (Force Main) C) LB (Levern)	CO OL (out once tes) CO OL (out once test) CO (th once test)	O II (in Dray Law) O FM (Force Make) O US (Levent)	COU (Out Drug Up) COU (Out Drug Land) COU (Out Drug Land)	O ft. (in Oraș Law) O FM (Percs Main) O Lis (Laterni)	C OV (ove over ter) C Ot (ove over ter) C IV (ne over ter)	It (in Drap Low) FM (force Main) LB (Levers)
7		REQUIRED	Direction (94)	.s. d		松 in		PQ in			□ out	uj 🗅			D Oct		ت د پو
	ECTIONS		Clock Position (92)	9		0		Ç	1								
	PIPE CONNECTIONS		Pipe Number (91)	н		0	7	(1))								



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189	:		Seal Condition	Dunos 2	□ Defective	Punos P	□ Defective	D Sound	□ Defective	bnuo?	□ Defective	D Sound	□ Defective	D Sound	□ Defective	punos 🛭	□ Defective
			Condition [99]	Pound	□ Defective	Sound	C) Defective	punos a	□ Defective	& Sound	□ Defective	D Sound	C Defective	ם Sound	□ Defective	Dunos D	□ Defective
1 1 m		OPTIONAL	Width (98)					`									
			Diameter (97)		١	<i>∞</i>) :	-2		Q)						••• <u>•</u> ••
			Shape (96)	Circular Cir		Orcular O Rectangular O Square	O Arched	Circular Rectangular Square		Groular Rectangular Square		Creater C Greater C Square		Circular Rectangular		Chouler C Rectangular C Square	
事			Material (95)	000, 55,25) %	5 % 3	2 kg	5 \$ 3	, š	р р о 5 \$ 3	000 \$ }	5 \$ 3		223	. % &	2 \$ 3 0 0 0	000 8§
			Rim to invert [93]	37.46		9.80	2	240	3	9± 2		25	,	3			
			Special Condition (101)	O OU (Our throp Us) O UL (Our throp Us) U (in Once Us)	☐ FM (Force Main)	OU (out Drop Up) OI (Out Drop Up) OI (I (in Drop Up)	IL (in Drop Low) FM (Force Main) LB (Lateral)	OU (out brop up) OI (in brop up)	U. It, lim Drop Low) FM (Force Main) U.B (Leveral)	COU tout bree up) COU (out bree tow) COU (in bree up)	O It (in Drop Low) O FM (Force Main) O LB (Leveral)	CL (Out Drop Up) CL (Out Drop Up) CL (IV (in Drop Up)	C R (In Drop Low) C FM (Force Main) C LB (Leteral)	O OU (Out Drop Up) OU. (Out Drop Low) If It's Drop Up)	O It (in Drop Low) O FM Iforce Main(O O'L (Our Omp Up) O O'L (Our Omp Up) U (in Omp Up)	O It in Orop Low) FM (Force Main) Ultimorali
		REQUIRED	Direction (94)	<u>⊡</u> <u>छ</u> • • • • • • • • • • • • • • • • • • •		Æ.	- 1	15 (1		.E				<u> </u>	Out	띠	₩ □
	VECTIONS		Clock Position (92)	9		12	= :	R		=	,						
SK	PIPE CONNECTIONS		Pipe Number (91)	П		7		a	١	5						-	

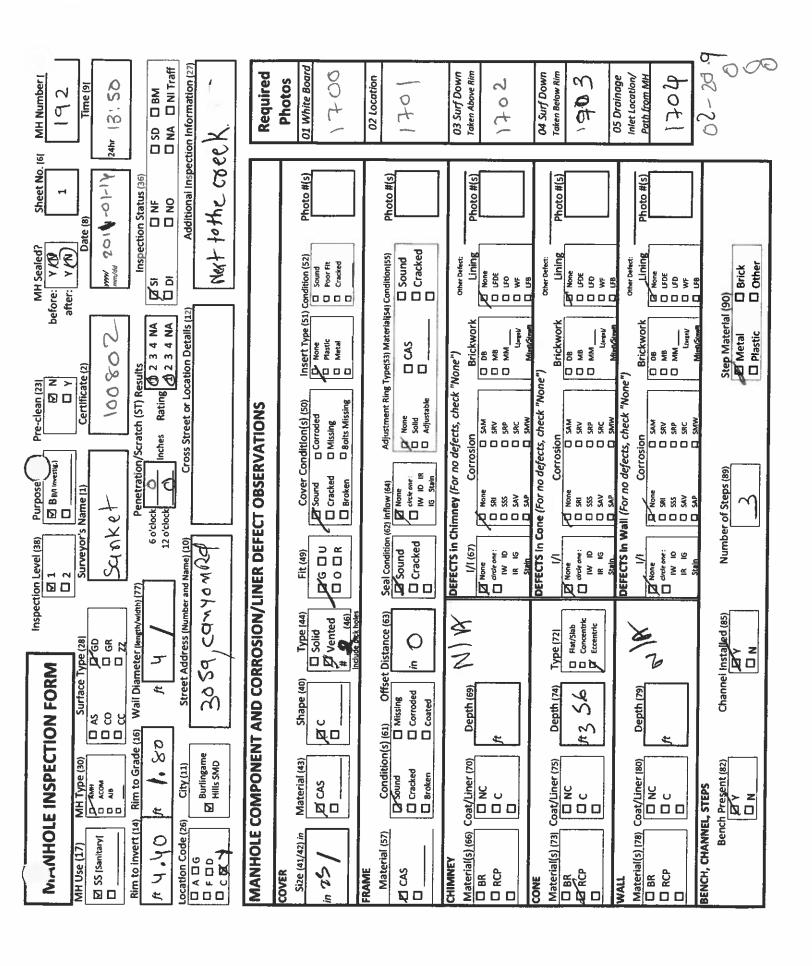
Shoop

_	MANHOL	MANHOLE INSPECTION FORM	TION FOR		Inspection tevel (38)	Purpose (Pre-clean (23)	<u>.</u>	MH Sealed? before: Y (N)	Sheet No. (6)	6 MH Number (1	
\$ DO	MH Use (17) EZ SS (Sanitary)	MH Type (30)	Surface	Surface Type (28) (S	Surveyor's BK	Surveyor's Name (1) BK/RH	Certificate (2)) /MM	Date (8)	Time (9)	_
æ	Rim to Invert (14)	· 2 4	1 —	Wall Dlameter (length/width) (77)		Penetration 6 o'clock	Penetration/Scratch (ST) Results	esults Q 2 3 4 NA Q 2 3 4 NA	Inspecti	Inspection Status (36)	O SD O BM	
8 00 8	Ocation Code (26)	City (11) City (11) Burlingame	60		(Number and Name) (10)	101	Cross Street or Location Details (12)	cation Details (1		dditional Inspe	Additional Inspection Information (27)	
ĮΣ	ANHOLE	MANHOLE COMPONENT AND CORROS	NT AND CO		ON/LINER DEFECT OBSERVATIONS	CT OBSER	VATIONS				Required	
18 T	COVER Size (41/42) in	Material (43)	Shape (40)	(Type (44)	Fit (49)	Cover Co	Cover Condition(s) Isol	Insert Type (5)	A/N	Photo #(e)	Photos	
į,	27/34	TE CAS	υ Σ24-□	□ 3 2 # <u>1</u>	₩ 0 □ 0 □ N	Sound Cracked	Corroded Missing Bolts Missing	None Plastic	Sound Sound Cracked		(733	
Æ	FRAME Material (cy)	Josephin	le) tea Offe				44				02 Location	
1 42 C	to cas	Sound Cracked Broken	Sound Missing Cracked Corroded Broken Coated	ded in	Seal condition (s.) Sound Cracked N. 10 In the condition of the condition	Mow (54) None Chok one: Tw 10 IR	None Solid	Mone CAS Caster Sound Sound Adjustable Castee	Set Condition(55)	Photo #(s)	1734	
15 3	CHIMNEY	1. -9		:	DEFECTS in C	himney (For n	DEFECTS in Chimney (For na defects, check "Nane")	"Nane")	Other Defect:		03 Surf Down	
ĭ x □ □	aterial(s) (66) BR RCP	Coat Liner (70)	Depth (69)		Mone chale one: IW ID IR IG	S 2 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	Corrosion 13 sam 13 sav 13 sav	Brickwork	Lining Con Crock	Photo #(s)	Taken Above Rim	
18 3			,		DEFECTS In C	For no	fects, check "No	"Nane")	4 6		04 Surf Down	
	aterial(s) (73) BR RCP	M NC Coat/Liner (75)	Depth (74)	Type (72) That/Slab M Concentric Eccentric	i/l Chale one: IW ID IR KG		Corrosion 10 SAM 11 SAP	Brickwork OB OB OM OM Longel	Lining None	Photo #(s)	Taken Below Rim	
ΙŠ	WALL				DEFECTS in V	Vall (For no de)	DEFECTS in Wall (For no defects, check "None")	ne")	Other Defect:		05 Drainage	
	Material(s) (78)	Coat/Uner (80)	Depth (79)		i/l None Chalcone: IN IO IR IG	O D SS SS SS SS SS SS SS SS SS SS SS SS S	Corrosion SAM SRV SRV SRV	Brickwork 10 08 10 M8 10 MM	Lining None 10 to	Photo #(s)	Path from MH	
Ж	BENCH, CHANNEL, STEPS	NNEL, STEPS	1	1 to the little of the state of								
		N N		Manuel Installed (85)		Number of steps (89)		Step Material (90) Metal Plastic	(90)			
1												

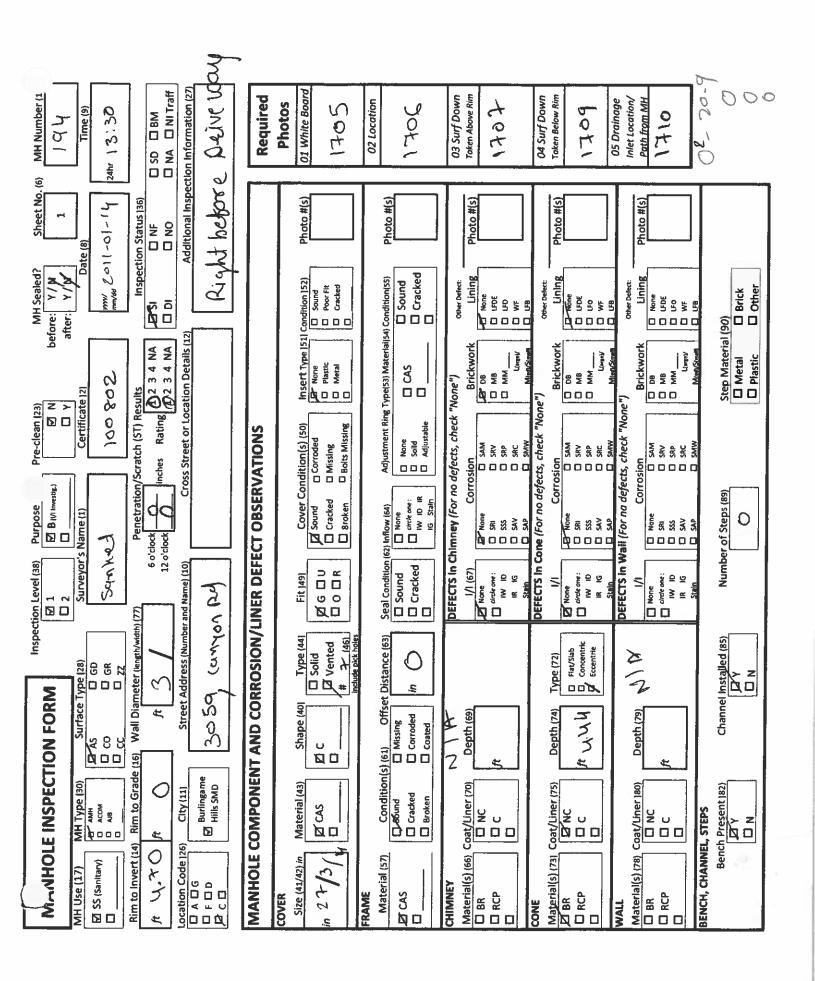
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MH N			Seal Condition (101)	punos p	D Defective	punos 🕱	D Defective	punos o	□ Defective	punos 🗆	□ Defective	punos 🗆	□ Defective	punos 🛭	□ Defective	punos 🛭	D Defective
			Condition (99)	∑ Sound	D Defective	punos pd	D Defective	KSound	□ Defective	D Sound	D Defective	D Sound	□ Defective	D Sound	D Defective	D Sound	□ Defective
		OPTIONAL	Width 1981 inches														
		O	Diameter (97)	_	9	/	9		7								
2				R Choular Rectangular Square Arched		Chouler Chectangular Coquere	Arched	Crostar Rectangular Square		Clrouler C Rectangular C Source	D Arched	Clrcular Rectangular Square	O Arched	Circular Rectangular Souare		Circular C Rectangular	Arched
			Material (95)	₽\$00 ₽\$3 \$		5 \$ 3 :		□ X □ \$\$3	2 P	\$ \$ \$ \$	2 %	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	000 % %	\$ \$ \$	2 X	\$ \$;	3 4 5
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\			Rim to Invert (93	45	`	4 x	1.7/	700	27.5						!		
			Special Condition (101)	OU (out Dress Up) OL (out Dress Law) OI (out Dress Law) OI (in Dress Up)	☐ FM (Force Main)	OU (Out Drop Up) OI (Out Orop Low) OI (Out Orop Low)	It im brop Lew? FM (Force Main) LB (Linzers)	OV fout they they Of four they taw)	O IL (in Orop Low) O FM (Forse Main) O LB (Leteral)	OU fost one tips OL tout one taw) IU (in one tips)	It (in Drop Low) FM (force Main) LB (Leterns)	Out four bree best Out four bree best If (in bree best)	1L in Brop Law) FM (Sorce Maint) LB (Lateral)	OU (Out Drop Up) OL (Out Drop tow) (U in Drop Up)	It (in Drop Low) FM (force Maint) Ub (Leteral)	OU (det drop Up)	I (In Drop Low) RM Force Matri
		REQUIRED	Direction (94)	= 6 = 6		E (ZQ.			□ out	드			_ Ovt		. ŏ
	ECTIONS		Clock Position (92)	9		7	10/211	95.6	26.7								
SK H	PIPE CONNECTIONS		Pipe Number (91)	н		6	7	~			:						

(6) MH Number (1)	Time (9)	O SD O BM		Required	Photos OI White Board // 94	02 Location (295)	03 Surf Down Taken Above Rim	04 Surf Down Taken Below Rim	05 Drainage Inlet Location/ Path from MH / 6 99	
Sheet No. (6)	Date (8)	Inspection Status (36) C) NF C) NO	dditional Inspe		Photo #(s)	Photo #(s)	Photo #(s)	Photo #(s)	Photo #(s)	
MH Sealed? before: Y /(N)	mm/dd	Inspecti			Condition (52) Sound Poor Fit Cacked)) Condition(55) A Sound Cracked	Other Defect: Lining B None C U-DE C U-DE C WF		Other Defect: Lining None 1 FOE 1 FOE 1 WF	90) D Brick D Other
<u>ā</u>		1 2 3 4 NA	ation Details (12)		In Sert Type (51) Condition (52) None	Adjustment Ring Type(53) Material(54) Condition(55)	None") Brickwork DB COB		Brickwork Brickwork De De De Memory	Step Material (90) C) Metal C) Plastic
Pre-clean (23)	Certificate (2)	Penetration/Scratch (ST) Results $(\frac{G}{2})^2$:x $(\frac{G}{2})^2$ Rating $(\frac{G}{2})^2$	Cross Street or Location Details (12)	OBSERVATIONS	Cover Condition(s) (so) Sound □ Corroded Cracked □ Missing Broken □ Bolts Missing	Adjustment Ring None Solid Adjustable			DEFECTS in Wall (For no defects, check "None") Corrosion Co	
Purpose Bil/imestig.	Name (1)	Penetration/ 6 o'clock 0 12 o'clock 0	S (1)	CT OBSERV	Cover Con Sound C Cracked C	S2) inflow (64) R None Chris one: NN ID IR IG Stain	Corrosion Corrosion None SSS SSS SSS SSS SSS SSS SSS	Some (For no deferment) Correction Series S	Tor no defer no defer no defer no defer no defer none none none none none none none no	Number of Steps (89)
Inspection Level (38)	Surveyor's Name (1) BK/P/		r and Name) (10)	ION/LINER DEFECT	Fit (49)	Seal Condition (62) inflow (64) Cound Cound Cracked In the one	VI (67) None Order one: W 10 IN 10 Statu	JA None I/I O'TICK ON II NONE IN ID	DEFECTS in W	Numbe
.	Type (28)	Wall Diameter (length/width) (77)	Street Address (Number and Name) (10) Can Yon Rd.	RROSION/I	Type (44) Solid Vented 7 (46)	Offset Distance (63) 8 in dia dia dia dia dia dia dia dia dia dia		Type (72) Rat/Slab Concentric Eccentric		Channel installed (85) DR Y
TION FOR	Surface Type (28) At As 0 GD C C 0 GR C C 0 Z		Street	NT AND CO	Shape (40)	Missin	Depth (69)	Depth (74)	Depth (79)	Channe
MANHOLE INSPECTION FORM	MH Type (30)	Rim to Grade (16)	City (11) Burlingame Hills SMD	COMPONER	Material (43) XZ CAS	Condition(s) (s1)	Coat/Liner (70)	Coat/Liner (75)	Coat/Liner (80)	Bench Present (82)
MANHOL	MH Use (17)	Rim to Invert (14) ft S. OS	Location Code (26)	MANHOLE COMPONENT AND CORROS	COVER Size (41/42) in in 27 5/8	FRAME Material (57) KZ CAS	CHIMNEY Material(s) (66) CA-8R CRP	CONE Material(s) (73) (V. BR	WALL Material(s) (78) (G BR G RCP	BENCH, CHANNEL, STEPS Bench Preser
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MH Number			Seal Condition (101)	Sound	Delective	punos 🖈	□ Defective	punos p	□ Defective	D Sound	□ Defective	punos D	□ Defective	Punos 🗆	□ Defective	Zeiio S	Defective
			Condition (99)			punos per	□ Defective	punospi	□ Defective	punos 🗆	□ Defective	D Sound	□ Defective	D Sound	□ Defective	punos o	□ Defective
		OPTIONAL	Width (98)														
\wedge		0	Diameter (97)		9	/	e	T	<i></i>								
7 2			Shape (96)	Crouler C Rectangular Square Arched		Cheular Chectangular Chectangular Chectangular		Chrutar Rectangular Square	Property Co.	Cheudar C Rectangular C Square		Circular C Rectangular	Arched	C Chauter		O Crouler O Rectangular	Square Arched
1 m			Material (95)	55355		5 \$ \$ \$		5 \$ \$	2 B B B B B B B B B B B B B B B B B B B	000 5 \$ 3	2 × ×	2 5 8 0 0 0	¥ ¥		3 4 %		3 4 %
			Rim to Invert (93)	S. OSFA		50	ک. تا ا	6617	1.10								
			Special Condition (101)	OU (Out Drop Up) OU (Out Drop Low) II (in Drop Low) II (in Orop Low)	□ (B (Lecens))	OU four brops top!	FM (Force Main)	OV (Out thop Up) OV (Out thop Low) IV (in thop Up)	C IL (in Drop Low) C FM (Force Main) C LB (Lateral)	OV (Out Drop Upt)	IL (in Drop Low) FM (Force Main) U B (Leteral)	OU (Out Drup Up) OU (Out Drup Low) Of (On Orap Up)	C It (in Drop Low) C FM (force Main) C LB (Loteral)	OV (dut brap Up)	It (in Orop Low) FM (Force Main) Us (Lateral)	COU (Out Drop Up)	It (in Drop Low) It (in Drop Low) FM (Force Main) U 8 (Lateral)
		REQUIRED	Direction (94)	EQ II		河		<u>=</u>			D Ovt		D Out		D Out		ē ō
	ECTIONS		Clock Position (92)	9		-25-		~)								
SKLH	PIPE CONNECTIONS		Pipe Number (91)	1		^	7	~)								



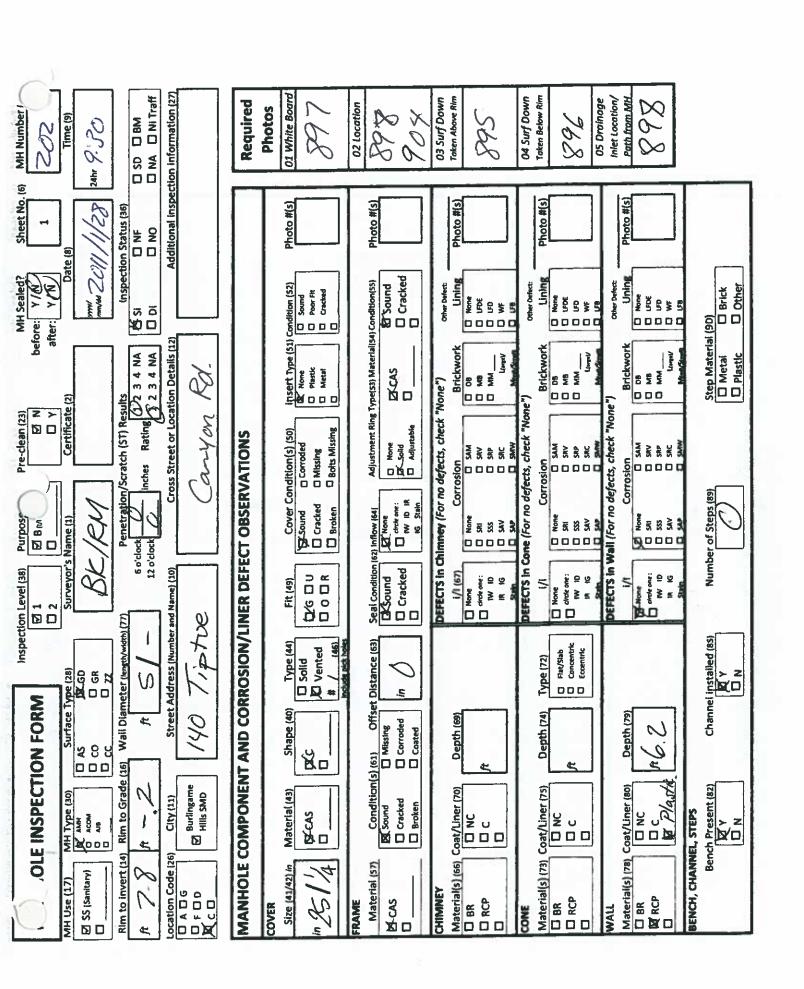
I92			Seal Condition (101)	bunos bd	□ Defective	punos g	☐ Defective	D Sound	□ Defective		Punos 🗆	□ Defective	punos 🛭	□ Defective	punos 🗆	□ Defective	Dunos D	□ Defective
			Condition (99)	punos p	□ Defective	punos pa	□ Defective	DSound	□ Defective		□ Sound	□ Defective	D Sound	□ Defective	D Sound	□ Defective	D Sound	□ Defective
		OPTIONAL	Width (98)									-				· · · · ·		
			Diameter (97)		Q	(P											
			Shape (96)	Creuter C Rectangular C Square	O Arched	Chrouse Chrosen		Chrouter Chrouter Chrouter Chrouter	D Arched		Rectangular		Chroster Chroster Chroster Chroster Chroster Chroster Chroster		Cheular C Rectangular Square	O Arched	Crouler Rectangular Square	O Arched
			Materia((95)	5 \$ 3	000 XC	5 \$ 3	2 k g		3 4 5		5 g	¥	553	000 %C	5 \$ 3	¥	\$ \$ 8	
4			Rim to invert (93)	1,26)))	72 11	2		-			•				•		
			Special Condition (101)	O OU rout they bet	If (in Drop Love) FM (Force Main) LB (Leveral)		It (in Drop Low) PM [Force Main] LB (Leteral)	Ou four time that	It in Drop Low! It in Drop Low! FM Force Main!	OU lost Dept Up!	O IV (in Drop Up)	C FM (Force Main)	CO (Out Once tow) CO (Out Once tow) CO (U (in Once tow)	H. Jin Drop Low) FM (Force Main) LB (Lateral)	OU tout brop Lipt OL tout one Low) I'V (in brop Upt	O ft. (in Drop Law.) O FM (Force Main)	COV (Out Drop Up) COV (Out Drop Low) COV (IV (In Drop Low)	C It (in Grop Low) FM (Force Main) LB (Lateral)
		REQUIRED	Direction (94)	<u>.</u>			□ Out		o ort		<u> </u>		<u>=</u>		<u> </u>		=	
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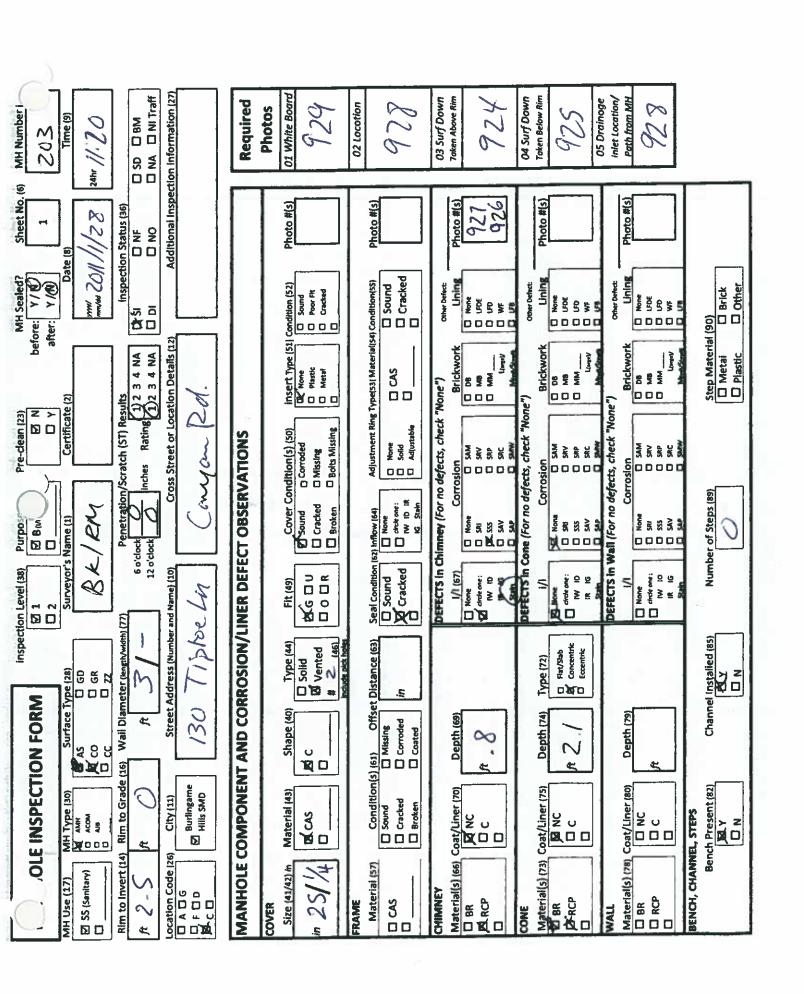
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			Condition (99)	D Sound	□ Defective	punos 🗆	□ Defective	D Sound	□ Defective	□ Sound	□ Defective	D Sound	□ Defective	D Sound	□ Defective	D Sound	□ Defective
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			Diameter 197)				(2)										
				G Circular Rectangular Square Arched		Greater Greatenguler Greatenguler	O Arched	Circular Rectangular Square		Orcular O Rectangular	O Arched	Carcular Rectangular	- Arched	Carcular Rectangular Square	O Anthed	Croular Rectangular Square	
P A			Material (95)	5 \$ 3 ×		_ y _0		0 p/ 0	2 P P	O CO	3 4 %	000 \$ \$ \$	2 × ×			\$ \$ 3:	
N. N. N. N. N. N. N. N. N. N. N. N. N. N			Rim to Invert (93)	<u>ب</u>		09.11	5	79.11	5								
			Special Condition (101)	OV (out Drop Up(OV (out Drop Up(OV (out Drop Up(OV (out Drop Up(OV (out Drop Up(OV (out Drop Up(OV (out Drop Up(☐ FM (Force Main) ☐ LB (Leteral)	OU four throp up) OL four throp tow) If it is none tip	FM (Force Main) LB (Letseral)	OL four they be) OL four they tow) IL (in they be)	It (in Oraș taw(FM Hores Main(LB (Latera))	O OU (Out Oraș Uși)	O IL (In Drop Up) O IA (In Drop Low) O FM (Force Main)	OU fout brey that OU four brey that OU four brey town!	☐ IL (in Orop Low) ☐ FM (Force Main) ☐ LB (Lateral)	COUTON Drop up?	If the Drop Low! FM (Force Mohr) LB (Lateral)	OU (Out Once Up) Ou (out Once Low) I IV (in Dree Up)	C FM (Force Maln)
		REQUIRED	Direction (94)	= 5 = 5	- 1	<u>ا</u> کر ج		Z			ont		□ out	u D		<u>=</u> (
	ECTIONS		Clock Position (92)	9				9									
SKL	PIPE CONNECTIONS		Pipe Number (91)			7		α)								

Sheet No. (6) MH Number (1	Required	Photos OI White Board P23	92 Location 92/	03 Surf Down Taken Above Rim 9/8 04 Surf Down Taken Below Rim 9/9/9 05 Drafinge	Posts from MH
Sheet No. (6) (A) Date (8) (A) (A) (A) (A) (A) (A) (B) (B		Photo #(s)	Photo #(s)	Photo #(s)	Photo #(§)
MH Sealed? Wer: VAN Ter: VAN Ter: VAN Ter: VAN Ter: VAN Dat Inspect		insert Type (51) Condition (52) Marker Condition (52) Cound C	Adjustment Ring Type(s3) Material(s4) Conditioniss) CAS Sound Solid Adjustable Cracked	Strickwork Uning	Srickwork De Mas Mas Linesty Marcial (90 Metal C
Pre-clean (2 Certifica atton/Scratch (5T) Re Cross Street or Lo	DBSERVATIONS	Cover Condition(s) (50) instance Cover Condition(s) (50) [52] Second Corroded Corro		Corrosion Corrosion Sav Sav Sav Sav Sav Corrosion Sav Sav Sav Sav Sav Sav Sav Sa	Corrosion San Sav Sav Steps (89) Corrosion Saw Sav Sav Sav Sav Sav Sav Sav
Level (38) 2 2 2 Surveyor's Ni B 6 o'clo 12 o'clo 12 o'clo	N/LINER DEFECT OBSERVATIONS	Ft (49)	Seal Condition (62) Infl Sound Cracked		
ins ins ins ins ins ins ins ins ins ins	CORROSION	(40) Type (44) Solid	i i i	(59) Type (72) Type (72) Mat/Sibb Mat	th (79) Channel (nstalled (85)
PECTION F Le (30) Su C C C C C C C C C C C C C C C	PONENT AND	Material (43) Shape (40)	Condition(s) jss) Offs	Uner (75) Depth (69) C C C C C T T T C C C C C C T T C C C T T C C C T T C C C T T C C C T T C	(82)
MH Use (17) MH Typ MH Use (17) S (Sanitary) S S (Sanitary) Rim to invert (14) Rim to Rim to inver	MANHOLE COMPONENT AND CORROSIO	1/4 /	FRAME Material (57) Material (CHIMNEY Material(s) (66) BR CONE CONE Material(s) (73) CORT (NC) CONE WALL	P CHANNEL

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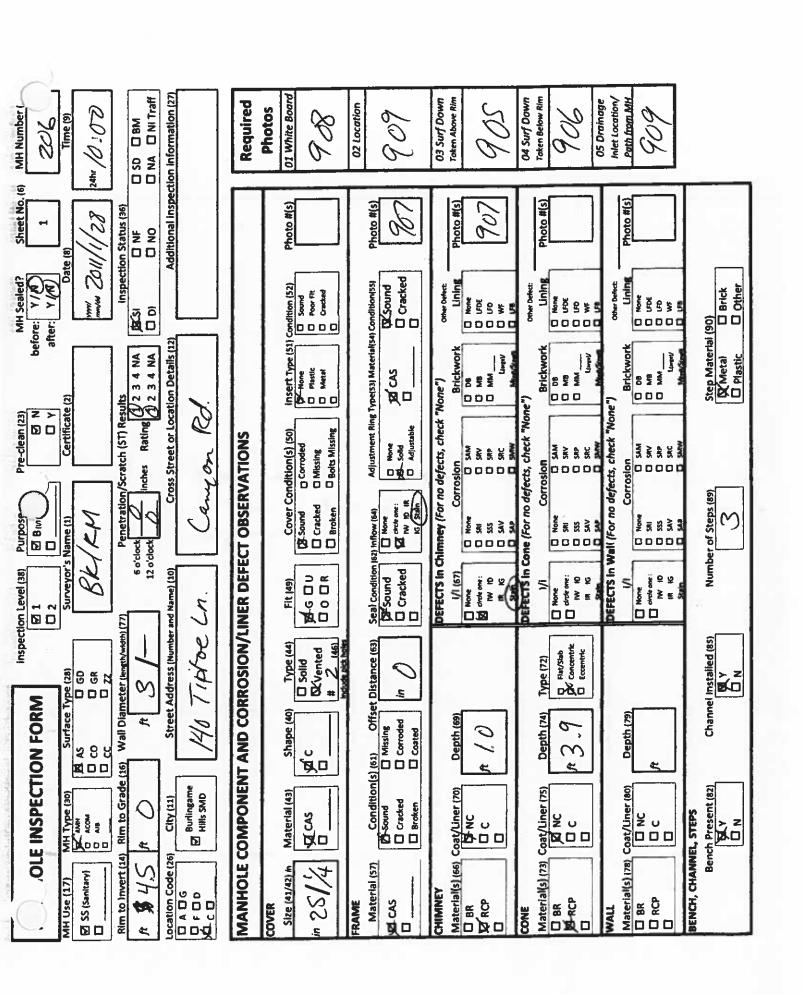
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202			Seal Condition (101)	b Sound	© Defective	A Sound	Defective	punos o	C Defective	D Sound	C Defective	D Sound	a Defective		D Sound	a Defective	D Sound	a Defective
			Condition (99)	Sound	□ Defective	65ound	□ Defective	D Sound	C Defective	D Sound	□ Defective	D Sound	O Defective			□ Defective	D Sound	O Defective
		OPTIONAL	Width (98)															
			Diameter (97)	1	0	1	Ø.											
			Shape (96)	D Square	D Archad	D Croater O Rectorgater	O Arched	C Chruter C Rectingular C Square		O Cheuter O feetanguler		C Rectorgular	Parked D	O Greater			October October	
027			Material (95)	0 (Q 0 1	¥ ¥	្តិ ខ្ញុំ ខ្លុំ ខ្លុំ	2 ž	000 8 % 3		\$ \$ \$	3 5 5 5 6 7 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9		2 4 <u>5</u>		333	1 Z	\$ \$ \$	1
			Rim to invert (93)	2	011	'	0-)								111			
to a	- 100		Special Condition (101)	C) OU (Out broat Use) C) Ot, (Dut broat Low) C) IV (in broat Use)	C FA (force Main) C FA (force Main) C) 16 (Lettern)	O OU toer bras ust	O II, the Orose Lower O PM (Yourse Water) O LB (Lecentri)	C OU fow bee up!	Cliff Drag Low) Cliff (Percy Main) Cliff (Second)	O OU ION DOUG UNI O OL (ON DOUG LOW) O IV (in Doug Up)	If (in Drop Low) FM (Porce Make) Is (Lateral)	OV (Out Drup Up)	G It (in Drop Low)	O Us Rathered O OU (Det Strop Up)	U (in Oraș Us)	G FM (force Mobil)	C) OU four bree last	IL (in Dras Loss) FM (force Main) L9 (Lateral)
		REQUIRED	Direction (94)			首		<u>5</u>			Out Out		10 50		<u>=</u> (To D
	ECTIONS		Clock Position (92)	9		17	J											
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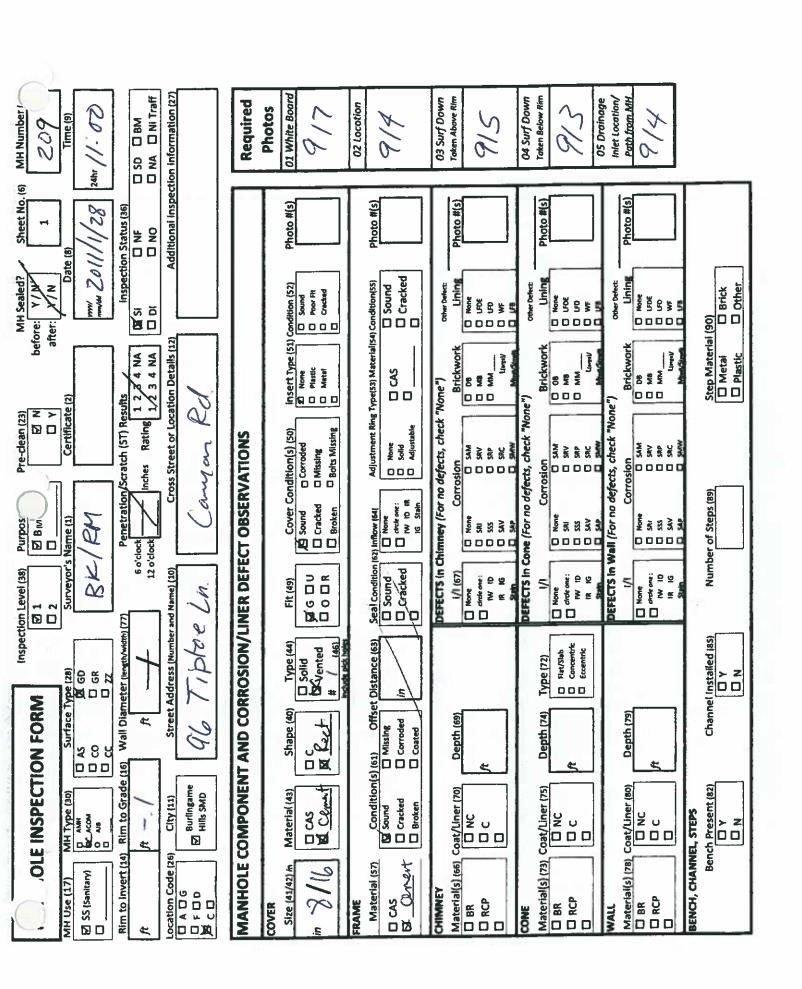
20 S			Seal Condition (101)	the Sound	C Defective	punos 🚜	□ Defective	punos pu	Defective	punos D	D Defective	D Sound	C Defective	D Sound	Defective	D Sound	C Defective
			Condition (99)	punos)	□ Defective	punos	□ Defective	MSound	C Defective	D Sound	O Defective	D Sound	D Defective	D Sound	O Defective	D Sound	O Defective
		OPTIONAL	Width (98)														
		°	Diameter (97)	/	2	77		_	9								
			Shape (96)	Orcutar O Rectangular O Square	D Arthed	C Chauler Rectampaler Square	O Arthed	DC Circular Cl Rectangular Cl Square	O Arthed	O Greder O Rectangular		Chouler O Rectangular		O Gouler O Recongater	Arched	O Chauler O Rectangular	D Arched
2 >			Material (95)	5 \$ 3 :	¥ ¥	5 \$ 3		пЖо 5	2 ž	\$ \$ \$	1 2 Z		3 4 <u>5</u>		3 4 %	\$ \$ \$	3 y 2
1			Rim to invert (93)	77	7:7	QX	0	2 6							1		
(A)			Special Condition (101)	O OU (Out they by) O OL (Out they by) O I (in they by)	II. (In Drop Law)	O OU (out ones Us) Ol (out ones Law) If (in these Us)	It the bress Level FM (Force Make)	OU (Out Drug Ligh) OL (Out Drug Low) Of 10 (in Owg Up)	D. It (in Drop Law) C) FM (Force Make) C) LB (Lineari)	C) OU fout oney Us) C) Ot four brey Long C) IV fin Ores Us)	() It (in Drop Low) () FM)Tenze Make) () LB (Lateral)	OU (Out Drap Lay)	O It (in Bross Low) O FM (Force Male)	OU (Our Drap Lis)	O II. (in Drop Low) O FM (Forza Mahn) O (38 (Leteral)	Cl OU (ost one up) Cl OL jour one ten) Cl Ufn one up)	R. (in Ores Low) FM (Porce Make) US (Leventh
		REQUIRED	Direction 1941	: C		, E		18 (1			۵ ا		10 O		O Oct		□ Out
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·	PIPE CONNECTIONS		Pipe Number (91)	H		7	j	^	1								

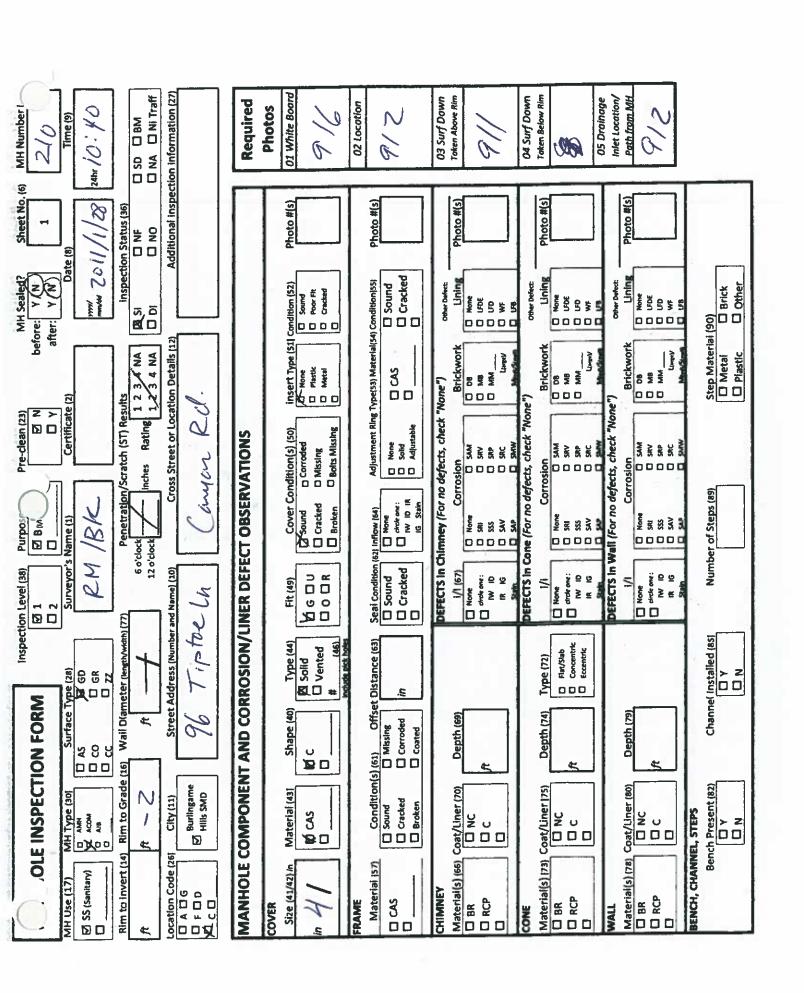
205 Time (9)	ion Status (36) C NF C SD C BM C NO C NA C N(Traff Additional inspection information (27)	Required	Photos 01 White Board 903	902	03 Surf Down Farm Farm Above Rim	04 Surf Down Taken Below Rim 900	Inlet Location/ Path from MH	
1 1 28	inspection Status (36) ONF ONO Additional inspec		Photo #(s)	Photo #(s)	Photo #(s)	Photo #(s)	Photo #(s)	
before: V/60 after: V/60 Date (8)	inspect		insert Type (51) Condition (52) K None Pistic Netal Cracted	Adjustment Ring Type(53) Material(54) Condition(55)	One") Oner Defect. Brickwork Do D8 D None D No No D No D No D No D No D No D No D	Brickwork Lining One One One O No O NO O NO O NO O NO O NO O NO O NO	Brickwork Lining De None District Control Dis	Step Material (90) XI Metal
Purposp Pre-clean (23) El Bun I N I N I N I N I N I N I N I	enetration/Scratch (ST) Re	Stock Caryon Rd.	Cover Condition(s) (so) in; Sound Corroded Cacked Missing			k "None	Corrosion Corrosion SAM Corrosion SAM Corrosion SAM Corrosion SAM Corrosion SAM Corrosion Corros	Number of Steps (89)
inspection Level (38) Purpose © 1	9,9	otal Liner Defect	Fit (49)	Seal Condition (62) G Sound Cracked	DEFECTS in Chin	10-10-10-10-10-10-10-10-10-10-10-10-10-1	DEFECTS in Wal	
Z 8 8 8 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	dress (N.		Shape (40) Type (44) C Solid C Vented	\$	Depth (69)	Depth (74) Type (72) O Shr/Sab O Concentric You tocentric	Depth (79)	Channei installed (85) 区 Y
MH Type (30)	2 4	MANHOLE COMPONENT AND CORROSIO	Material (43)	Condition(s) Sound Cracked	CHIMNEY Material(s) (66) Coat/Liner (70) D BR C C C C C C C C C C C C C C C C C C C	Coat/Liner (75) Manuel Coat/Liner (75) Manuel Coat/Liner (75)	(80)	BENCH, CHANNEL, STEPS Bench Present (82) BLY
MH Use (17)	Rim to invert (14) R S L Location Code (26)	MANHO	COVER Size (41/42) In in 25/ ¹ / ₄	FRAME Material (57) A CAS	CHIMNEY Material(s) D BR C RCP	Material(s) (73)	WALL Material(s) 178) C BR C RCP	BENCH, CH.

MH Number 2005			Seal Condition (101)	Sound Defective		Sound	C Defective	punos	□ Defective	Punos 🙀	D Defective	punos 🛭	Defective	punos a	□ Defective	D Sound	☐ Defective
			Condition (99)	, ,	-	Psound	□ Defective	punos ₋₆₃	C Defective	Sound >	D Defective	D Sound	□ Defective	D Sound	a Defective	D Sound	☐ Defective
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			Diameter (97)	9	}	_	0	/	٥	_	٥		1				
			Shape (96)	D Creater D Rectanguler D Square D Arched	09	O Rectangalar	Page C	Conder	P C	O Square	D D	O Chroster C Rectangular		Orouter D Square		C Creater C Rectangular	D Arched
2			Material (95)	55345	0	5 § §)))	5 \$ 3 :	200 22	5 5 3	2 2 0 0 0	000 \$\$3		5 \$ 3	000 3 %	000 298	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
7			Rim to invert (93)	Ω,		_	7.0	60	0.0	7.5							
Day -		333	Special Condition (101)	O OU (One Dave law) O OL (One Dave law) O IU (in Dave law) O IL (in Dave law) O IL (in Dave law)	O US Rusermi	Close bree (see)	C FM (Force Main)	CO (Out Dress Up) CO OL (Out Dress Up) CO OL (Out Dress Up)	O FM (Ferze Mahr)	COUTON Drop Up COUTON	O P. (in One Low) O P.W (force Main) O Li (Leteral)	COU (Decome tell COL (Decome tell COL (Decome tell) COL (No Ome tell)	Cl (Lin Drage Low) Cl FM (Torce Main) Cl (Lin (Leenny)	OU (Out Drug Up) Ou (Out Orup Law) U (in Orup Up)	C II. (In Drue Low) C FM (Force Main) C Ut (Lescraf)	O OU fost three Use O OL fost three Lead	It (in Droe Low) FM (force Man) It (Levens)
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	PIPE CONNECTIONS		Pipe Number (91)	1		C	7	\sim	,		5						



206			Seal Condition (101)	Sound	Defective	punos pa	Defective	punos 🖯	□ Defective	D Sound	Defective	D Sound	O Defective	punos 🗅	a Defective	D Sound	□ Defective
			Condition (99)	Seound	D Defective	MSound	Defective	D Sound	□ Defective	D Sound	Defective	D Sound	O Defective	D Sound	□ Defective	D Sound	O Defective
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			Shape (96)	Constant	D Arched	Corcuter O Recongular Square		O Chroder O Recongator O Squere		O Chauler O Recomputer	Packed C	O Orcular O Accompular O Source	D Ordred	O Orostor O Rectargator		O Chouler O Rectangular O Square	O Archad
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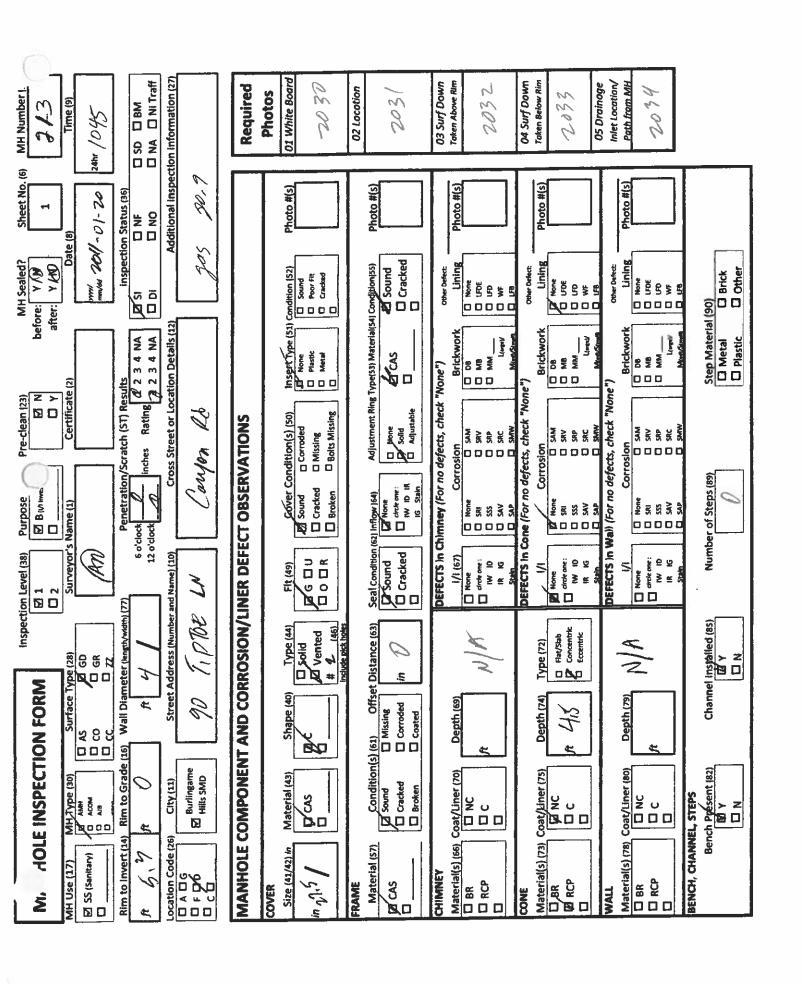




21/ Time (9) 1/1/5 SD D BM	A D Ni Traff nformation (27) Required	Photos 201 White Board 202 Location 204	03 Surf Down Taken Above Rim O4 Surf Down Taken Below Rim Token Below Rim O5 Drainage Inlet Location/ Path from MH PATH TOW	
8 ® 44 14	Additional Inspection Information (27 20.7) Required	Photo #(s) 011	Photo #(s) 74 74 74 74 74 74 74 74 74 74 74 74 74	
before: Y/M 1 after: Y/M 1 after: Y/M 1 Date (8) mm/dd 20/1-20 (nspection Status (36)	ia l		Uning Uning	(90) Brick Other
9 4 NA	Cross Street or Location Details (12) Wy BY RATIONS	tion(s) (50) insert Type (51) Condition (52) Corroded Solts Missing Solid Soli	Brickwork Brickwork D 08 D 08 D 08 Brickwork D 08 D 0	Step Material (90) Metal Plastic
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Level (38) P 1 2 2 Surveyor's Na Aduan 6 o'clo	Coation Code [26] City(11) Street Address (Number and Name) [10] Cross Street or Cross Street	Fit (49) Gover E Sound Cover Co		Number of Steps (89)
GR (28)	Street Address (Number and Name) (10) No Transcont Car	Type (44) CD Solid CD Vented # (46) melude pick hotes ret Distance (63)	Type (72) Type (72) O flat/Slab C concentric E coentric	Channel insfalled (85)
NOT SE SE SE SE SE SE SE SE SE SE SE SE SE	same Street MD CO	Shap (CC C Corro	(73) Depth (69)	
Hary) Hary) Hary) Hary Har	ode [26] City (11) Ed Hills SMD Hills SMD	(5) (3) Wai	CONE Material(s) (73) CONE Material(s) (73) CONE Material(s) (73) CONE Material(s) (78) CONE Material(s) (78) CONE	Bench Present (82)
Mh Use (17) S (Santan) S (Sintan)	Coation Code [26]	Size (1/42) in Size (1/42) in Material (57)	CHIMNEY Material(s) (66) CONE Material(s) (73) ED BR CONE Material(s) (73) CONE Material(s) (78) CONE CONE Material(s) (78) CONE CONE CONE CONE CONE CONE CONE CONE	, C

MH Number Seal Condition 7[□ Defective Defective □ Defective □ Defective □ Defective □ Defective Defective (101)D Sound Dunos 🗀 Dunos A punos eg D Sound D Sound Sound Condition □ Defective □ Defective Defective O Defective □ Defective □ Defective 13 Defective Desound Desound D Sound D Sound D Sound D Sound D Sound Width (98) inches OPTIONAL Diameter (97) 30 *G*(0) Rectangular Square Arched Circular Rectangular Square Arched Circular Rectangular Square Anthed Circular Rectangular Squara Arched Rectangular Square Arched Circular Rectangular Rectangular Square Arched Shape 96) Party Circular Circular Square 8000 0000 0000 00000 00000 00000 Material 5 8 8 4 X 56845 \$ \$ 3 4 X \$ \$ 3 y \$ \$ \$ 3 4 X (92) 2 2 2 2 2 2 \$ \$ \$ \$ ¥ \$ 4 00000 000000 000000 00000 00000 Rim to invert 43 40 (93) Condition [101] | B fueror) | OVI (Der Dres Us) | O L (Der Dres Lew) | U fin Dres Us) | O ft (in Ores Lew) | O ft (in Ores Lew) Lis (Laberari)
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O PM (force Men) O 1U (in Drop Up)
O 1L (in Drop Low)
C FM (force Main) Special O Lib (Leberal) REQUIRED Direction = 5 □ □ 5 0 0 0 ... ŏ 데 Oct © ₫ ğ = 0 = e g (96) Clock Position (92) PIPE CONNECTIONS 0 9 Pipe Number (91) M _

MH Numbert.	Time (9)	A NI traff		Required	Photos	02 Location 2eSS, 2eSS,	03 Surf Down Taken Above Rim	04 Surf Down Taken Below Rim	05 Drainage inlet Location/ Path from MH	
	24hr	S &	, wha							
Sheet No. (6)	Date (8)	inspection Status (36)	additional inspec		Photo #(s)	Photo #(s)	Photo #(s)	Photo #(s)	Photo #(s)	AN NA
efore: Y/(N) after: Y/(N)	Date (8) ''''' ''''''''''''''''''''''''''''''	inspecti	Fence		Condition (52) Sound Poor Fit Cracked	Condition(55)	Uning Uning Other Defect:		Other Outer: Lining None Lio	
befo	(2)	ts 2 3 4 NA 2 3 4 NA	ion Details (12)		insert Type (\$1) Condition (\$2) None Plastic Metal Coracked	me(53) Material(54	Brickwork Brickwork Brickwork Brickwork Brickwork	.	Brickwork	Step Material (90) Metal Plastic
Pre-clean (23)	Certificate (2)	Penetration/Scratch (5T) Results	Cross Street or Location Details (12)	VIIONS		Adjustment Ring Type(53) Material(54) Condition(55)	sion sion sion sav sav sac	ts, check "None sion as sion as sw	ts, check "None sion as sion as se a second as	
Purpose S Blurimes	ame (1)	0		N/LINER DEFECT OBSERVATIONS	Cover Condition(s) (50) Sound Corroded Cracked Missing Broken Bolts Missing	Inflow (64) None check one: W 10 IR			Sath SAP SAW SAW SAW	K
pection Level (38)	Surveyor's Name (1)	6 o'ctock	nd Name) (10)	NER DEFEC	FR (49)	Seal Condition (64) Sound Cracked IG State	Vi (G7) Vi (G7) None orek one: W 10 IN 10 R 16 Craw 10 R 16 Craw 10 R 16 Craw 10 R 16 Craw 10 R 16 Craw 10 R 16 Craw 10 Craw 10 R 16 Craw 10 Cra	DEFECTS in Cor	State DEFECTS in Wighter	Numbe
<u> </u>	7pe (28)	Wall Diameter (Inngth/wdm) (77)	Street Address (Number and Name) (10)		Type (44) Solid Vented #		# 2	Type (72) Flat/Stab Concentric Coccentric	MA	Channel installed (85)
ON FORM	Surface Type (28)		Street A	AND COR	Shape (40)	, se	Depth (63)	Depth (74)	Depth (79)	Channel
INSPECTIC	Type (30) ANH ACOM AIB	Rim to Grade (16)	City (11) Burlingame G Hills SMD	MPONENT	Material (43)	Condition(s) [61) Off Sound Missing Cracked Corroded Broken Coated	Coat/Uner (70)	Coat/Uner (75)	C (80)	NNEL, STEPS Bench Present (82)
5	ViH Use (17) MH S SS (sanitary)	Rim to invert (14) R ft N/H ft	ocation Code [26]	MANHOLE COMPONENT AND CORROSIO	Size (41,42) in N	FRAME Material (57)	CHIMNEY Material(s) (66) Co	CONE Material(s) (73) Co	WALL Material(s) (78) CG BR CRP	BENCH, CHANNEL, STEPS Bench Preser



MH Number 213 Seal Condition □ Defective Defective □ Defective ☐ Defective Defective □ Defective Defective (101) D Sound D Sound punos 🗖 Dunos 6 B Sound Dunos E D Sound Condition Defective □ Defective C Defective Defective ☐ Defective Defective Oefective **Desound** Sound D Sound D Sound D Sound punos D Sound Width (98) OPTIONAL Diameter (97) are SOF Circular Rectangular Square Arched Creutar Rectangular Square Arched Circular Rectangular Square Archad Circular Rectangular Square Arched Chroder
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Constantid Aectangular Rectangular Shape Square Square Circular 96 00000 0000 0000 0000 0000 Material 00000 83355 \$ \$ 3 4 X និង្គ្គង្គ 5 6 8 8 5 E \$ \$ \$ \$ \$ \$ 7 6 8 6 8 7 8 6 8 00000 00000 0,00000 00000 000000 Rim to Invert 4 2:0 8 (63) Condition (101)

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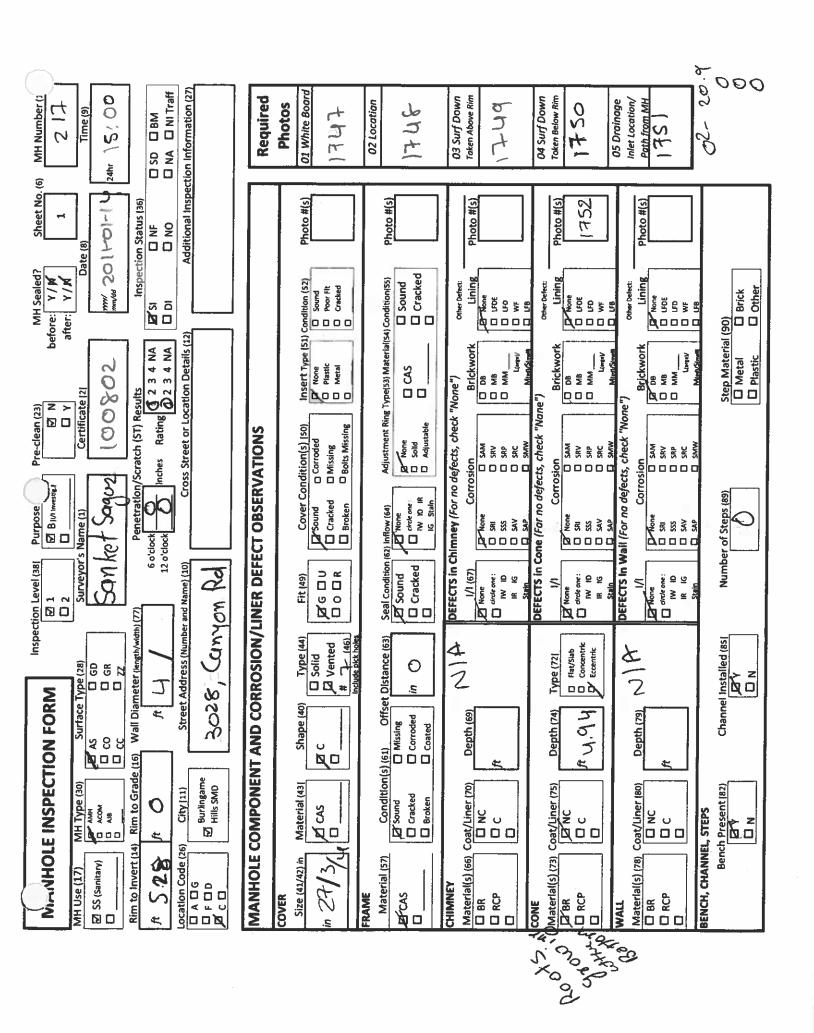
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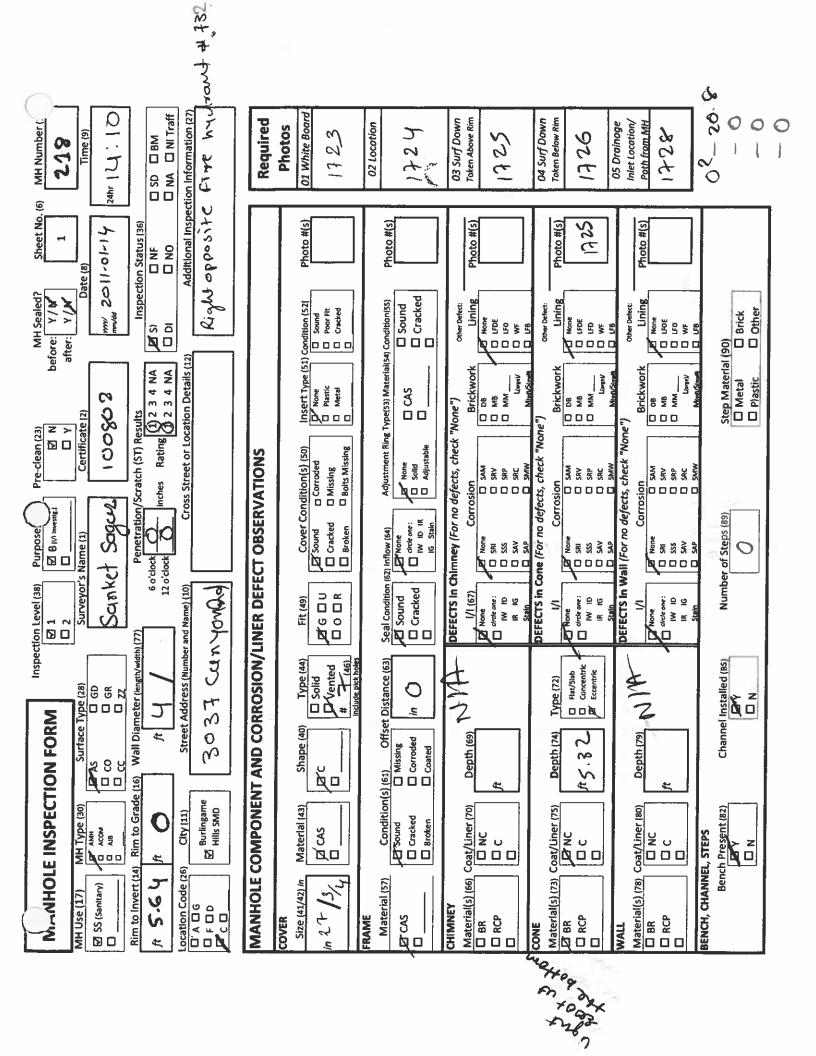
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O FM (ferze Mah) Special REQUIRED Direction <u>ة</u> ع = 5 0 0 드 و ت ت 다 이 크 로 드 이 등 이 - E - E 8 00 Clock Position (92) PIPE CONNECTIONS 5 9 2 Pipe Number 3 (91) S

Sheet No. is) MH Number 12 te (8) Time (9) Ito Status 136) O NF O SD O BM O NO O NA O NI Traff Additional Inspection Information (27)	Required	Photos 01 White Board / 740	02 Location 7 7 4 /	03 Surf Down Token Above Rim	Token Below Rim THY OS Drainage Inlet Location/	Path from MH	, 00
Sheet No. 16) Date (8) Inspection Status 136) Additional Inspecti		Photo #(s)	Photo #(s)	Photo #(s)	Photo #(s)	Photo #(s)	
MH Sealed? ore: Y (N) rer: Y / N mw/el 20 lnspect		S1) Condition (52) Sound Sound Sound Coor Fit Coor Fit Coorded (S4) Condition(SS) Sound Cracked	Other Defect: Lining M None Lipp	8.0000	00000	al (90)	
3 4 NA 3 4 NA 3 4 NA		Insert Type (51) C	Adjustment Ring Type(53) Material(54) Condition(55) Adjustment Ring Type(53) Material(54) Condition(55) Adjustable CAS Cracked Adjustable Cacked	Brickwork Brickwork Brickwork D NB D NB D NB D NB D NB D NB D NB D N	Brickwork	Brickwork	Step Material (90) Metal Plastic
S artion	N/LINER DEFECT OBSERVATIONS	Cover Condition(s) (50) Cover Condition(s) (50) Cover Condition(s) (50) Cover Condition(s) (50) Cover Condition(s) (50)	≝ e			Corrosion None	Number of Steps (89)
Survey Survey (1)	INER DEFE	Fit (49)	Seal Condition (62) Inflow (64) Sound Cracked IN ID IS Stall	DEFECTS In Ch 1/1 (67) 1 None Non	1/1 Mone Clarke one: IW ID IR IG State	I/I None drate one: NW ID IR IG	Numbe
dress dress		Type (44) Solid Selvented # (46)	Offset Distance (63)		Type (72) Concentric Eccentric		Channel installed (85)
Surface Tetras Surface Tetras Surface Tetras Co Co Co Co Co Street / Street	NT AND CO	Shape (40)	Alssin	Depth (69)	Pepth (74)	Depth (79)	Chanr
MANHOLE INSPECTION FORM IH Use (17) All Type (30) Surface Type Annual A Si (Sanitary) A Look The continuous contin	COMPONE	Material (43)	Condition(s) (61) Sound Cracked Cracked Cracken	Coat/Liner (70)	Coat/Liner 173)	Coat/Liner 180)	Bench Present (82)
MH Use (17) MH Use (17) S SS (Sanitary) Rim to Invert (14) R	MANHOLE COMPONENT AND CORROSIO	COVER Size (41/42) in $27/3/4$	FRAME Material 1571 GCAS	CHIMNEY Material(s) (661 M BR CRCP	Material(s) (73) M BR C RCP C	Material(S) (78)	Bench, Channel, Sleps

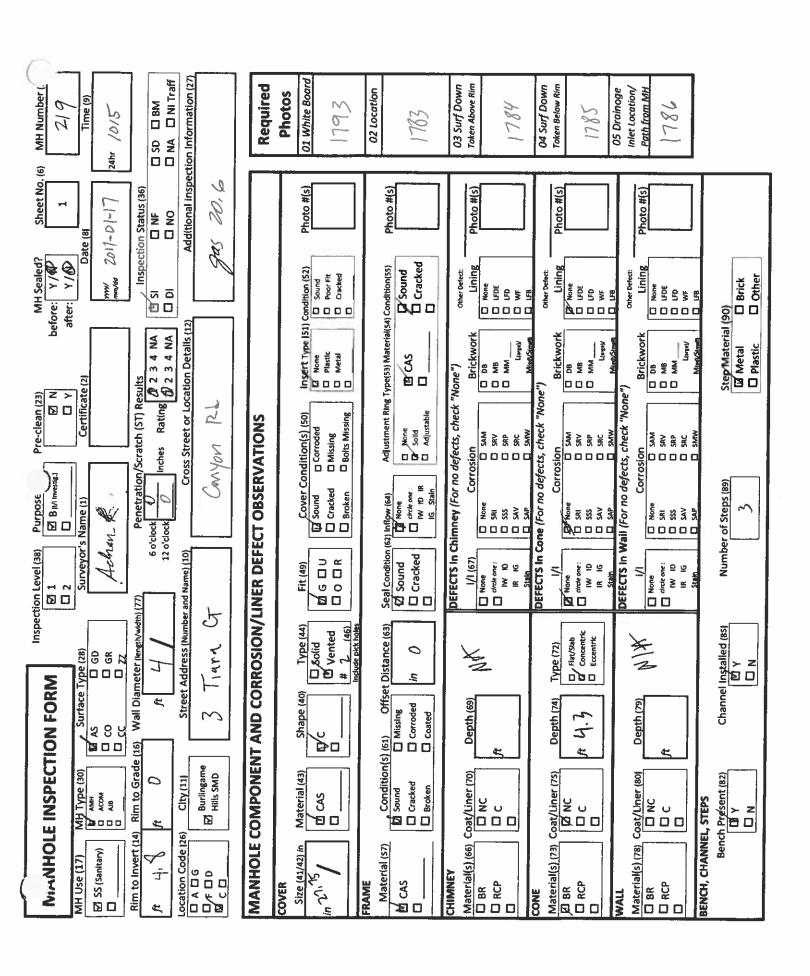
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			Condition (99)	punos 🖪	□ Defective	py Sound	□ Defective	A Sound	□ Defective	D Sound	□ Defective	D Sound	□ Defective	D Sound	□ Defective	punos 🗆	□ Defective
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			Diameter (97)	/	0	, _	9	//	<u> </u>								
			Shape (96)	Greuiar C Rectangular C Square		Chroder Chromoder Ch		M Choder Rectangular Square	O Arched	Circular	Page C	Circular Circular		Circular Rectangular Square		Circular Circular Rectangular Souare	O Arched
			Material (95)	5 \$ 3 s		ា ង ០៥ ភូទូនូ៖		១៨០ ទីទំន			3 4 %	% % %	2 × ×	5 \$ S		\$ \$ \$	2 S S S S S S S S S S S S S S S S S S S
WIT			Rim to Invert (93)	7/7	9.1	58 H	1.01	26.2	0.<								
Ha 7			Special Condition (101)	OU tok brop up) OL (out brop Low) O IV (in brop up)	FM (Force Main)	OU four brop Up) OU four brop Low) Ou fin brop Up(C EM (Force Main)	OU (Out Drop Up) OL (Out Drop Low) II (in Drop Up)	If the Drop Low] PM (Force Maln) LB (Leferral)	OU (Out Drope Up)	I. (in Drop Low) FM (Force Main) L8 (Leterni)	OU fout brop Up) OU fout brop Low) U (in brop Up)	It the Brop Low) FM (Force Maint) Literary)	OV tour brop upt OL four brop tow)	If (in Drap Low) PM (force Maint) LB (Lateral)	OU toet once upt OU toet once upt	It the brops tow) FM (force Main) LB (Lateral)
		REQUIRED	Direction (94)	<u> </u>]	도 (도 (双			Ont		Out	uj 🗆			□ out
	ECTIONS		Clock Position (92)	9		11:34	~ . / .	//									
SKL	PIPE CONNECTIONS		Pipe Number (91)			((~)								



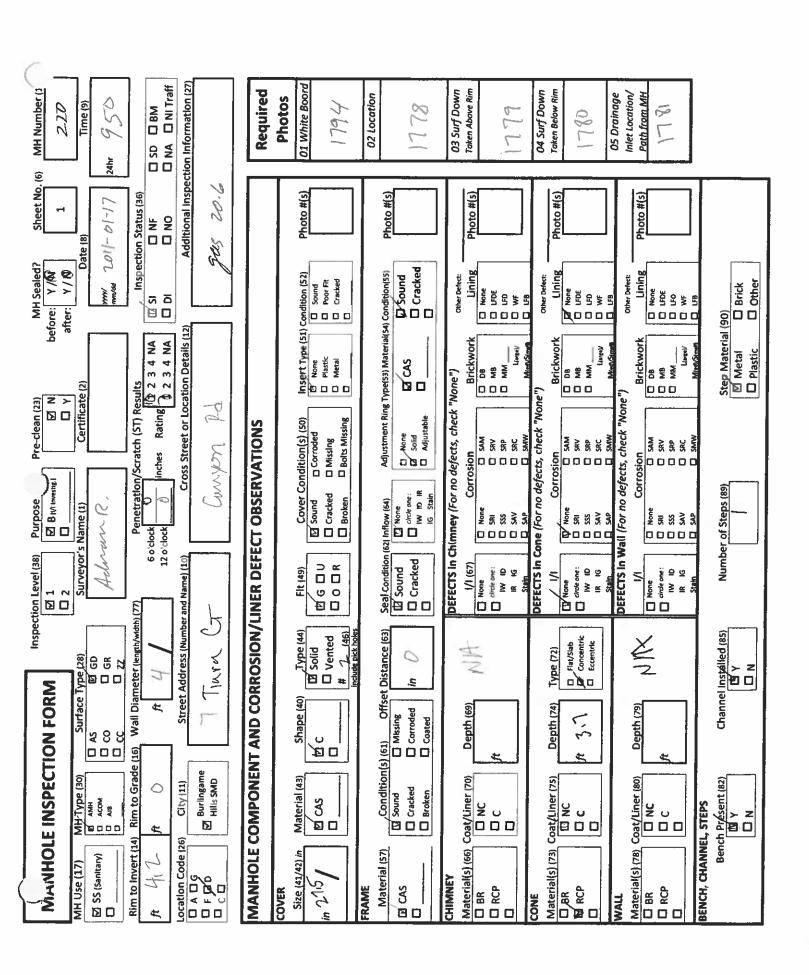
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CONN	PIPE CONNECTIONS									!
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Pipe Number (91)	C(ock Position (92)	Direction (94)	Special Condition (101)	Rim to Invert (93)	Material (95)	Shape (96)	Diameter (97)	Width (98)	Condition	Seal Condition
1	9	In Out	OV (Out Drop Up) Ol (Out Drop Low) Ul (In Drop Up)	is	5 \$ \$ \$	Grouter Rectangular Square Arched	٧		P Sound	punos pa
			FM (Force Maint)		§		٥		☐ Defective	Defective
7	7	Z	O Ut four drop tips Of the fore prop town If it is drop tops	رم م	5 5 3	Chroular Rectangular Square	مر		Dunos D	punos p
		1.	C FM (Force Main)				92		☐ Defective	□ Defective
	· -	<u> </u>	O OU jour three Upp		000 \$ \$ 3	Circular C Rectangular C Square			D Sound	D Sound
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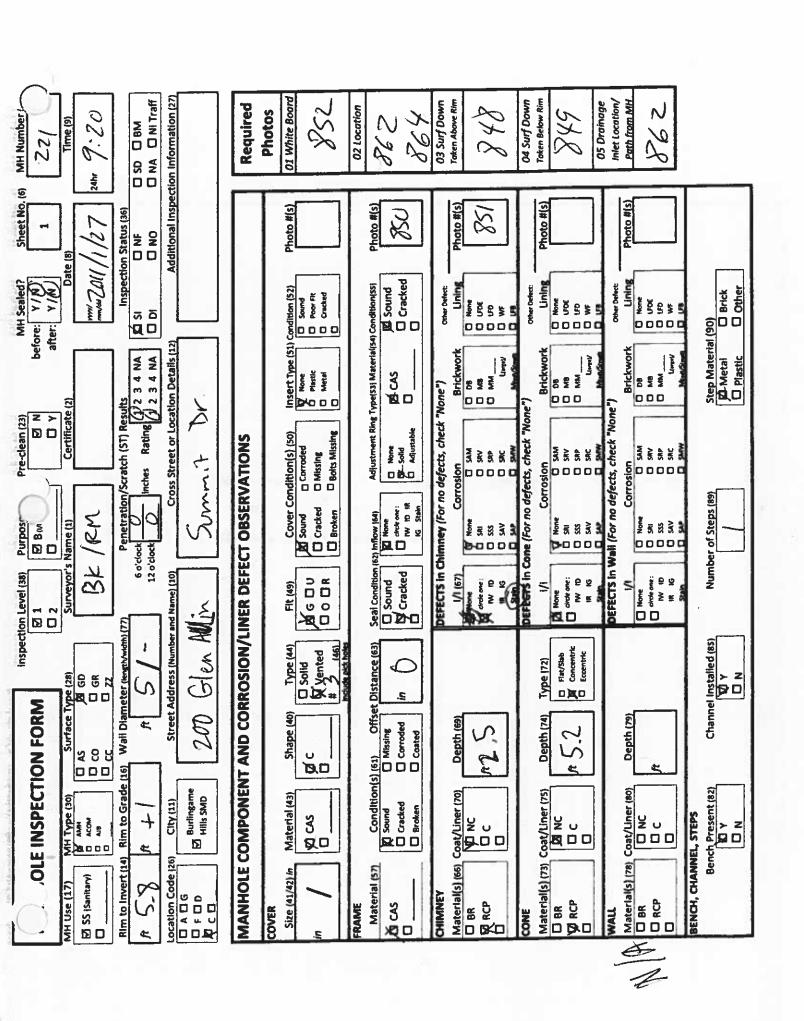
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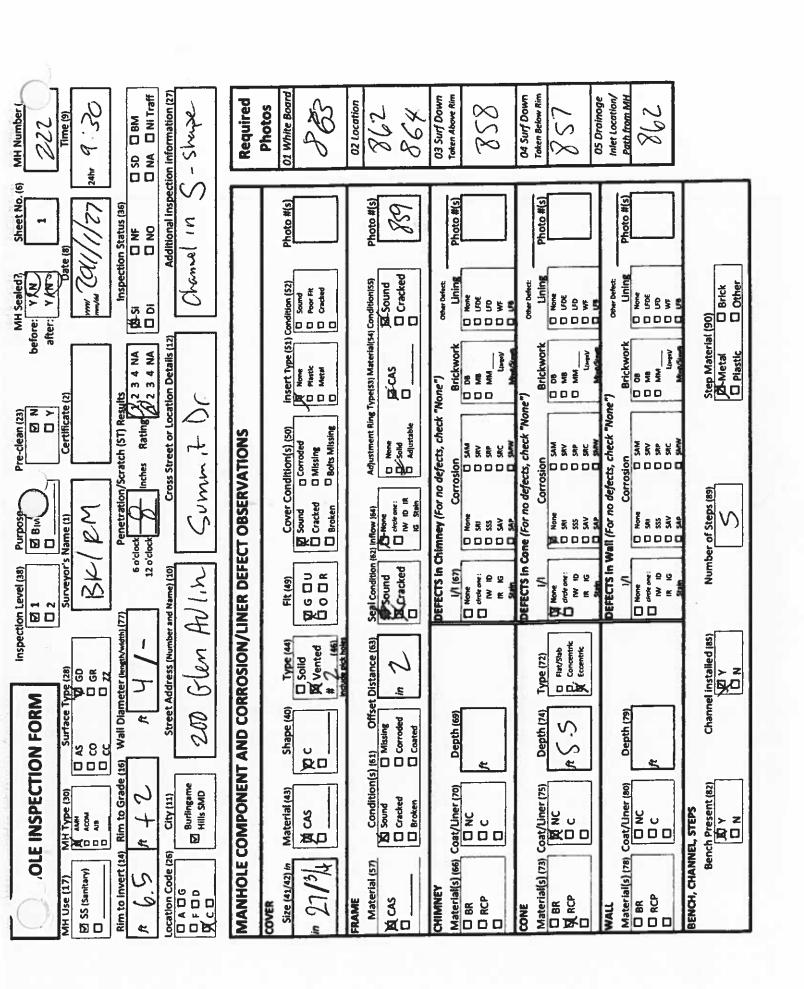
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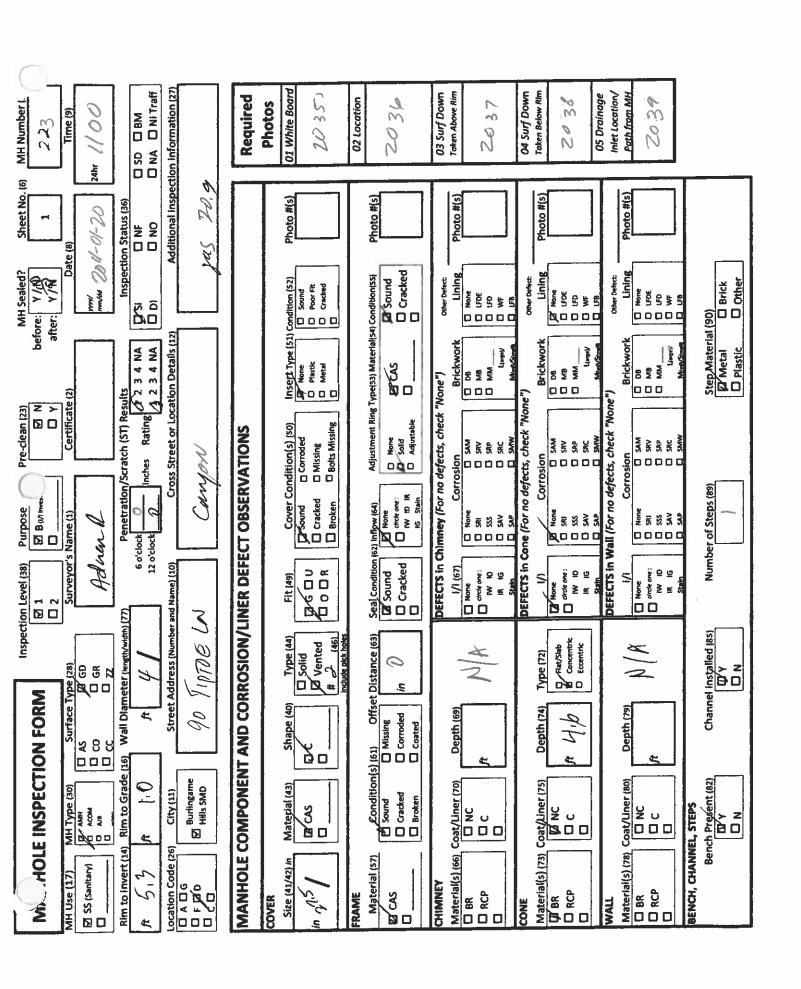
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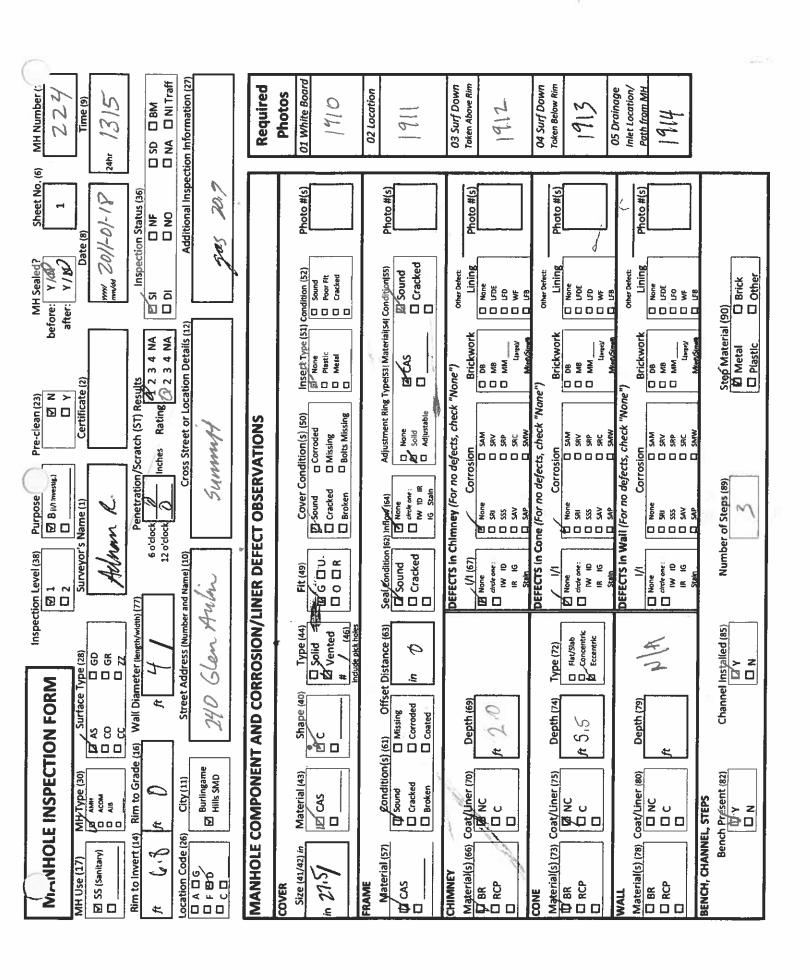
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24		REQUIRED	Direction (94)	<u>.</u>)AQ		Ē		Ē	+	Ē			D Out		D Out
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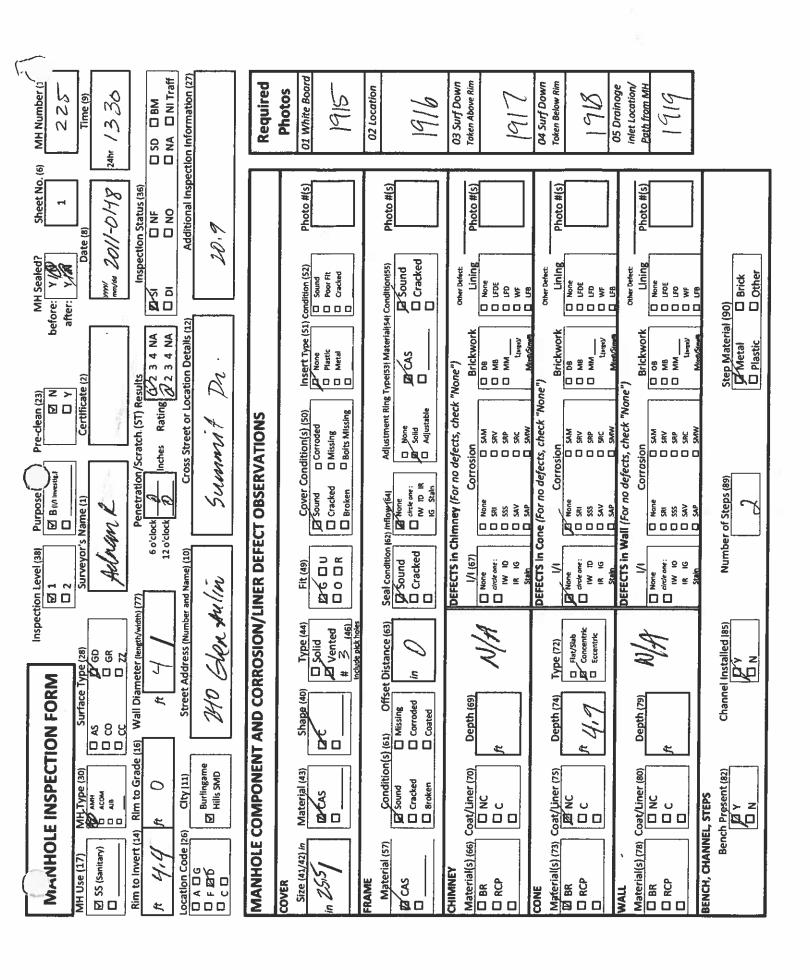
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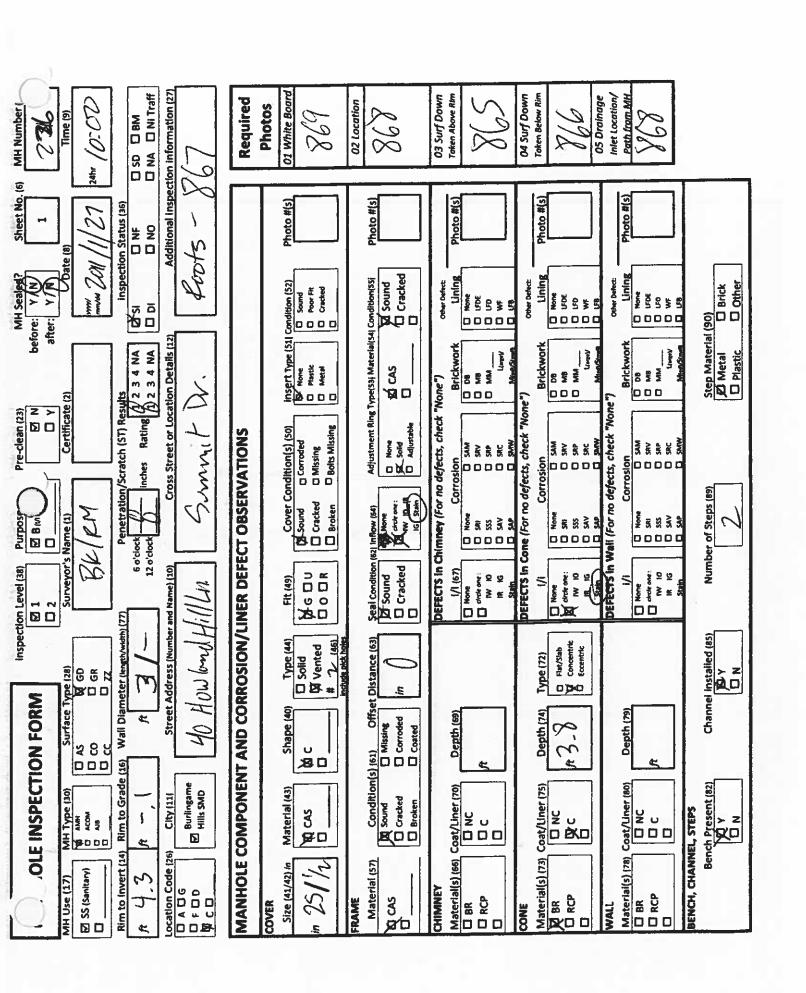
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			Rim to invert (93)		5.7	63	212	1,	1.1								
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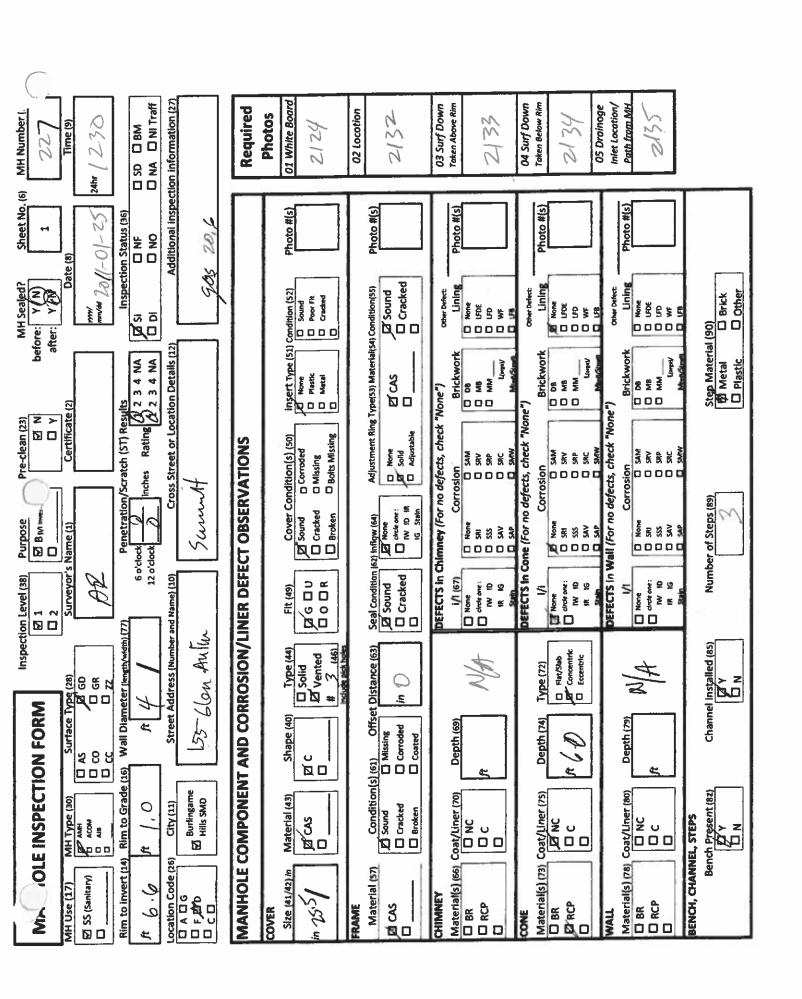


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				Condition	₽ Sound	□ Defective	punos d	□ Defective	punos pa	D Defective	Doug	□ Defective	D Sound	□ Defective	D Sound	D Defective	D Sound	□ Defective
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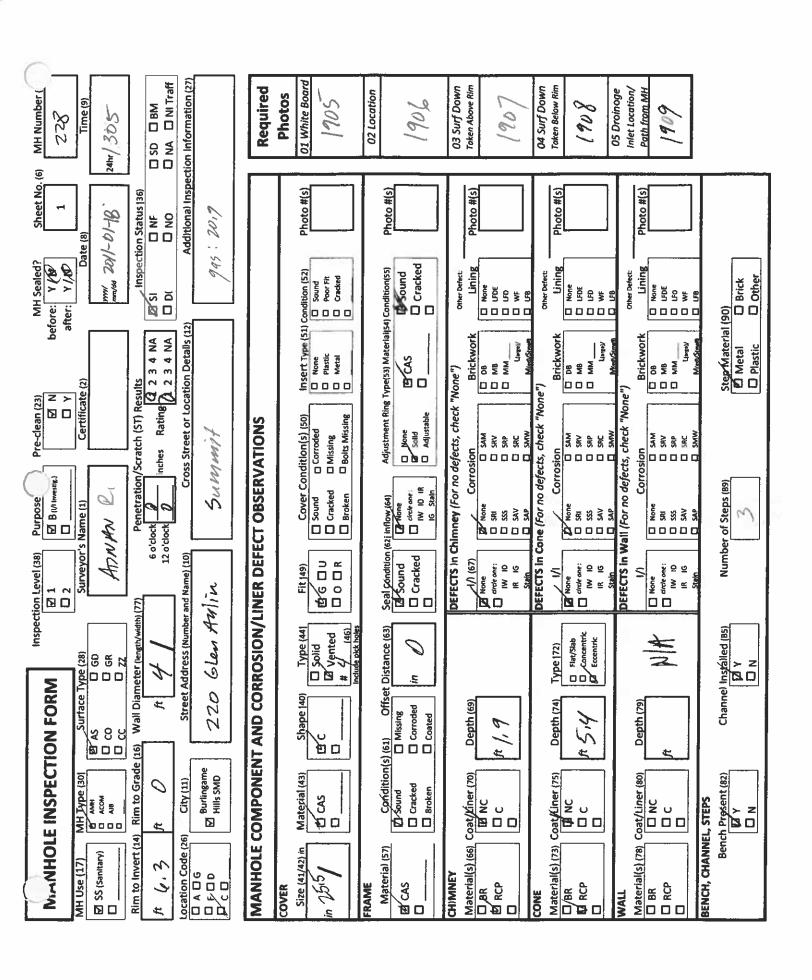


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			Special Condition (101)	CO OU (our brop up) CO Lour brop Low) CO IU (in brop up) CO IL (in brop up)	FM (Force Main) LB (Leteral)	COU (Out Drop Low) COL (Out Drop Low) COL (Out Drop Low)	C IL (in Drop Low) C FM (Force Main) C LB (Leteral)	OU (Out Drop Up)	C IV (in brap that	C FM (force Main)	COU (Out brop up)	C IV (in Drop Up)	C FM (Force Main)	COU (Out Drop Up)	Clift (in Drop Up)	O FM (Force Maln)	COU four Drop Up)	C (U (in Drap Up)	C FM (force Main)	OU (Out Drop Up)	C IL (in Drop Los)	☐ FM (Force Main)
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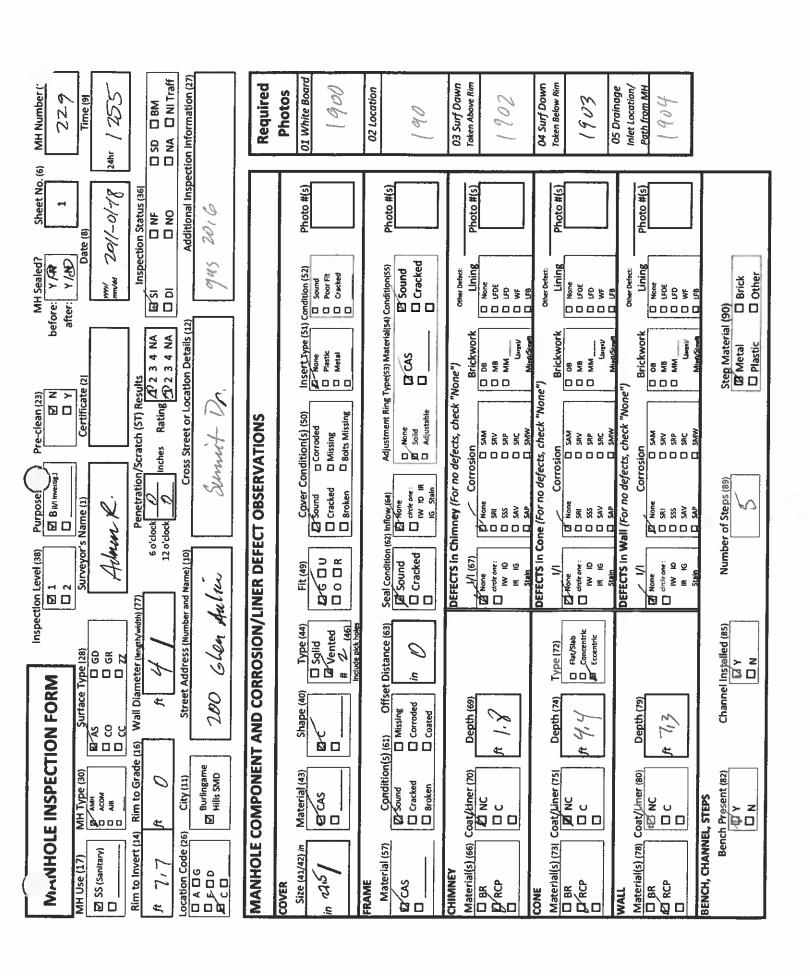




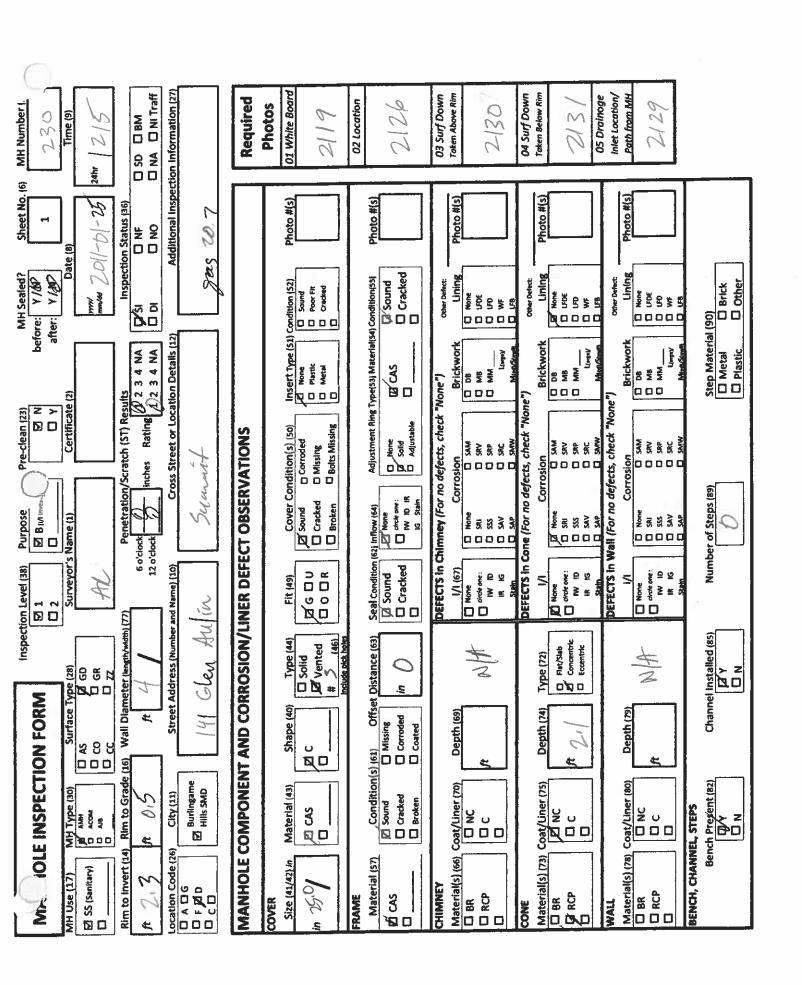
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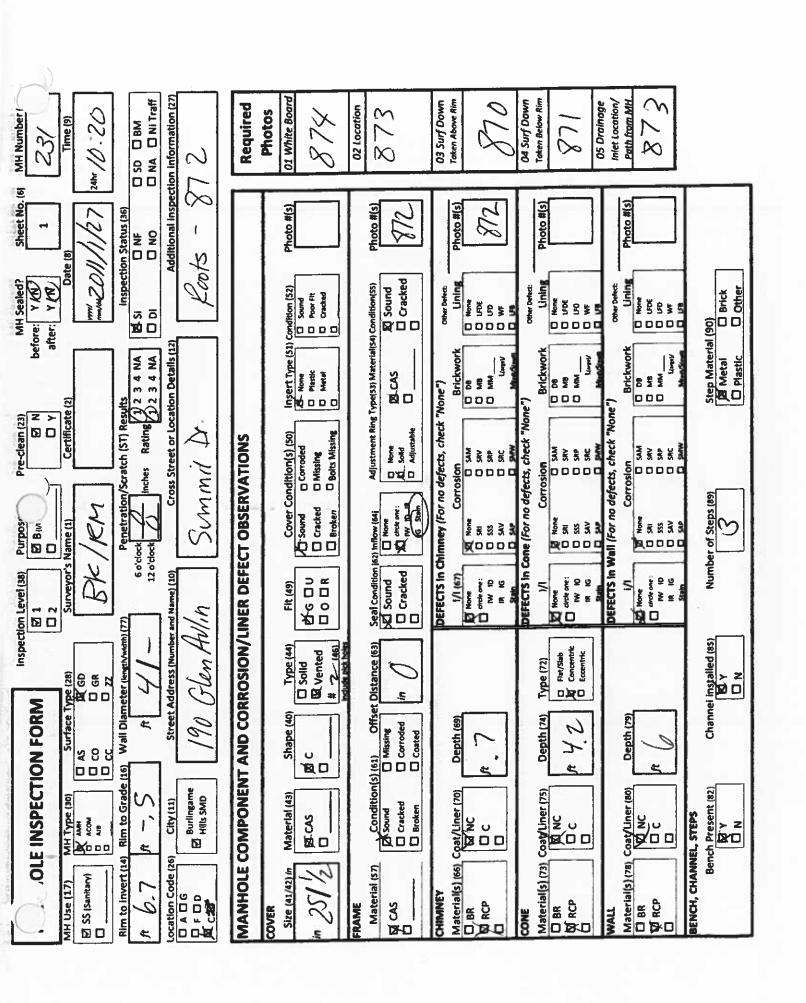
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			Special Condition (101)	O U (Out Drop Up)	I (in Drop Low) FM (Force Main) LB (Leveral)	OUTOM Drop Low) OUTOM Drop Low)	If (in Drop Low) FM (Force Main) LB (Lateral)	OU TONE Dress Upw)	O 1L (in Orop Low)	U riw (Force Man)	C OL (Out Drop tow)	1U (in Drop Up! 1L (in Orop Low) FM (force Main)	OV (Out Drop Up)	O 1U (in Drop Up) O IL (in Drop Low) O FM (Force Main)	Us (Leveral)	OLIOUR Drop Low)	O 1L (in Oros Low) O FM (Force Main) O LB (Likeral)	OV four they by: OV four they by: Uf the present	O IL (in Drop Low) O FM (Force Main) O LB (Laneral)
		REQUIRED	Direction (94)		⊠ Out		□ out		0 o			= 8 = 0		= ŏ		<u> </u>		l	D Out
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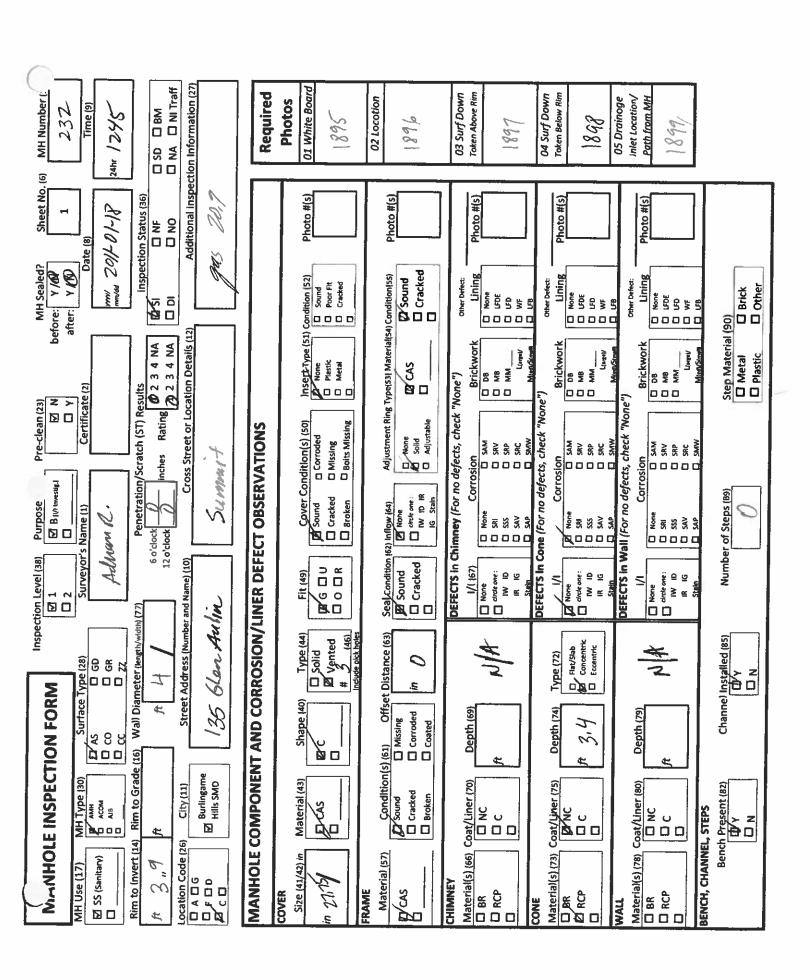
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			Condition (99)	El Sound	□ Defective	pysonud	□ Defective		punose	□ Defective	D Sound	□ Defective	D Sound	□ Defective	D Sound	□ Defective	D Sound	□ Defective
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M. M.			Shape (96)	Chrouter Chrouter Chrouter Chrouter Chrouter Chrouter		G Grouter C Rectangular	O Square	۵	G Grouter G Squere		O Crouler O Rectangular	O Square	O Greuler O Rectangular	Arched	Circular C Rectangular	Arched	Chouler Chectangular Course	
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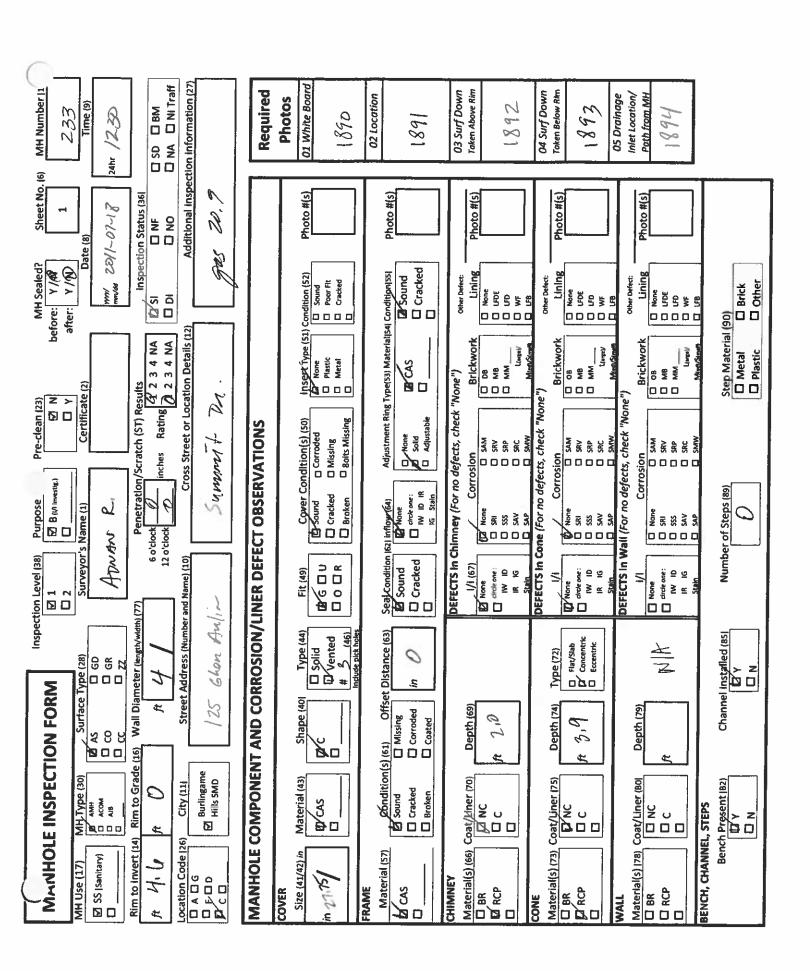
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			Condition	punos	C Defective	Dunos M	O Defective	D Sound	□ Defective	Punos 🗆	□ Defective	D Sound	□ Defective	□ Sound	Defective	punos 🛭	D Defective
		OPTIONAL	Width (98)				12.52 C. Alex										
~		°	Diameter (97)	D)	Q.	0	(SK	5								
10 th			Shape (96)	Greater Chectangular Chectangular	O Arched	D Rectangular C Square	P Pulped	Circular Rectangular Square	- Archaed	O Chroder O Rectangular		Chroden Recongular Square	C Arched	Chrouter Chromopaler Source	D Arched	Chouler Rectangular Square	O Arched
			Materiai (95)	553	× ×	ត ់ ទំន	¥ ¥	្ត ខ្លួ		293	1000 145	5 \$ 3	2 Z Z	\$ \$ 3	2 ¥	000 \$ \$ \$	2 X
			Rim to Invert	6	77	7 7	47		7.								
			Special Condition (101)	OU (Out brop Up)	L IL Im Stop Low) FM (Forts Main) LB (Latural)	OU lost bree upt OL (Out bree Lest) OL (in Dree Up)	C II. (in Drop Low) PM (force Main) Life (Luterer)	OU (Out thep Up) OL (Out Drep Lew) If (in Drep Up)	O ft (in Brop Law) O FM (force Main) O LB (Lateral)	C OU (Out Drop Up) C OL (Out Drop Up) C 10 (in Drop Up)	C It (in Ores Low) C FM (Force Main) C US (Leteral)	OU (Det Drag Up) OU (Out Drag Law) OU (In Brag Up)	C It (in Drap Low) PM (Force Main) Life (Letwork)	OV four brop Ltg) OL (out brop Lew) Uf fin brop Lesi	It fin Oraș Law! FM (Farce Main) US (Leteral)	OV (Out Once Up) Of, (Out Once Lew) U (in once Up)	It the Oraș Lawf FM (Foras Main) Lis (Leteral)
		REQUIRED	Direction (94)	e 0 l		Ē	24-20	El In			□ Out	<u> </u>			Out	- u	
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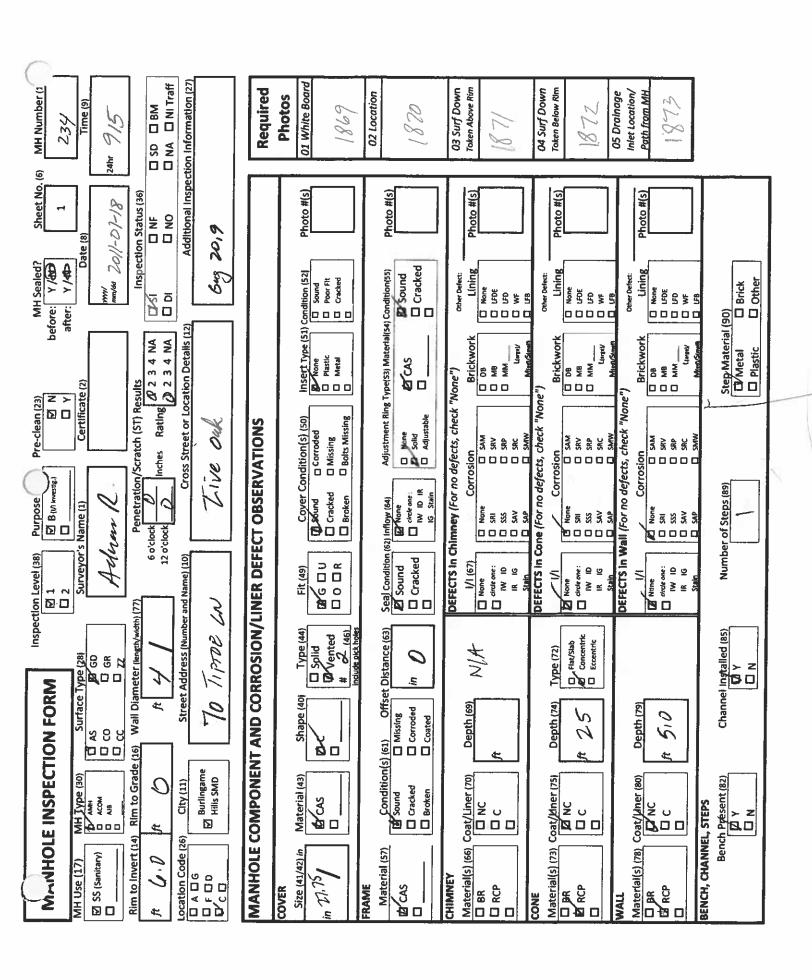
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			Condition (99)	M Sound	O Defective	6 Sound	C) Defective	D Sound	C) Defective		D Sound	O Defective	D Sound	O Defective	D Sound	C Defective	D Sound	g Defective
		OPTIONAL	Width (98) inches															
		0	Diameter (97) Inches	/	6	7	<u></u>											
				A Creater O Rectangular Square	O Arched	O Square	D Arched		D Arched	O Charler	O Square	O Arched	O Creuter O Nectampular O Souere		O Orester O Recomputer	O Arched	Orodar O Retengalar O Sours	
0			Material (95)	030 5 \$ 3	¥ ¥	5 è 3			345		8 8	900 3 %		3 2 2	\$ \$ 3 000	¥ ¥	\$ 5 S	2 kg
			Rim to Invert (93)	1 6	/ · · / ·		6.0											
4	- 220	# 200	Special Condition (101)	Out for the two	O R (in Drop Low) O FM (Force Main) O LS (Lateral)	O OU (Out One bush us)	C II (in Oros Low) C PM (force Main) C Latering	OU (Our bree Levi)	O IL In Ores Lee)	C OU four one ties	C OL (Out Drop Law)	O IL fin Drop Level O FM (Facts Males)	C OU jour brue tres C Ot jour brue tares C IU jin bree ties	O IL fin Dray Low) O FM (Force Mann) O Life (Lorent)	CI OU fox one Usi CI OL fox one Lesi CI fu fin bos Usi	If the Brop Lead Fild (hores Math) U.B. (Laterer)	O OU foer ones tips O OL joke bras tamb	It the Drop Load FM (Parce Man)
	311	REQUIRED	Direction (94)	<u>.</u>		ZZ E			, §		5			50 D		Tho []		D Out
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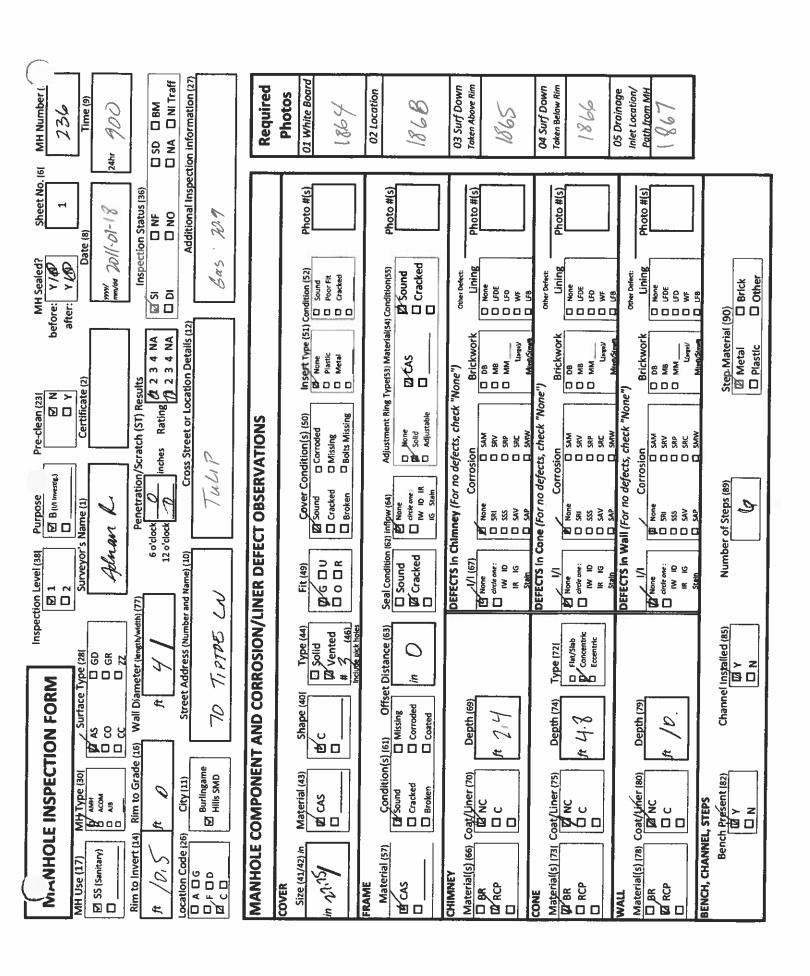
MH Number 23.2			Seal Condition	(101) Sound	Sound	Derective	punos	_ Defective	Sound		Sound	Defective	punos	Defective	Sound	□ Defective
			lon	<u> </u>		\dashv			9	+	0	<u></u>	0			
			Cond	(99) Asound	E Sound		Sound Cond	200	© Sound		D Sound	□ Defective	D Sound	□ Defective	D Sound	□ Defective
		OPTIONAL	Width (98)	Succession												
			Diameter (97)	00	0	\$30	800							,		
			Shape	G Crouser C Square	Circular Circular Circular Circular Circular Circular Circular		Rectangular D Square	D (0	Chrowler C Rectangular Square Arched		Square Arched		Creutar Rectangular Square		Circular C Rectangular Square	
m / n			Materiai (95)	53355	5 \$ 3 5 5	- I	2 4 2 4 5		00000 5885 5987		000 235		5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	ž	\$ \$ 3	, g
			Rim to Invert	7	3.9		4.0									
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		REQUIRED	Direction (94)	☐ ☐ out	E Out		回 回 out		oğ O		ة 0 0		£ 6		.s d	
	IECTIONS		Clock Position (92)	9	8		11									
K K	PIPE CONNECTIONS		Pipe Number 191)	1	7		3		<u> </u>							



MH Number 2.33			Seal Condition	D Sound	□ Defective	B Sound	□ Defective	Sound	□ Defective	Sound	Defective	Sound	Defective	Sound	Defective	Sound	□ Defective
			Condition (99)		□ Defective □	ed punosp	□ Defective □	Desound F.E.	□ Defective □	D Sound	□ Defective □	D Sound	O Defective	D Sound	□ Defective □	D Sound	□ Defective □
		OPTIONAL	Width (98)			В	N	D					0				
w		°	Diameter (97)	80		"/		Š).								
			Shape 1961	Chouler Rectangular Square	Arabed	G Circular C Rectangular C Square	O Arched	G Grouter Rectampular Square		Croster Rectangular	A Added	Crouler C Rectangular Square		Corcutar Rectangular Square		Circular Circular Circular Circular Circular	□ Arched
-			Material (95)	5 \$ 3	2 × ×	□ 8 □	2 × ×	5 \$ 3	000 % %		3 4 §		2 × ×	5 5 3	000 % %	5 \$ \$	
4			Rim to Invert 1931	-	4.3		4	111	4.6	:							
			Special Condition (101)	OU four Drap tip!	It (in Drop Low) FM (Force Main) LB (Leveral)	OV fout they up)	It fin Ones Low) FM (Force Main) LB (Leveral)	OU (Out Drop Low) Ou (Out Brop Low) I'll (in Brop Up)	O IL (in Drop Low) C) FM (Force Main) O US (Lateral)	OU (Out Drap Up) OL (Out Drap Low)	IL (in Drop Low) FM (Force Main) LB (Leveral)	O Vi fout they up!	I Lin Drop Low) FM (Force Main) LB (Leteral)	OL four brop up)	O 14, in thrup Low) O FM (Sorce Main) O US (Leteral)	OU (Out Drop Up) O (Out Drop Low) U (in Drop Up)	11. (in Drop Low)
		REQUIRED	Direction (94)			u Za		- La		<u> </u>	Out	<u> </u>					D Oct
	IECTIONS		Clock Position (92)	9		- 9	-		b								
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MH Number			Seal Condition (101)	punos	□ Defective	D Sound	□ Defective	punos 🗅	□ Defective	Pallos D		punos 🛭	ם Defective	punoS 🖸	□ Defective	D Sound	□ Defective
			Condition (99)	d Sound	□ Defective	P-80und	□ Defective	□ Sound	□ Defective	puno _S 🗆	□ Defective	D Sound	□ Defective	D Sound	□ Defective	D Sound	□ Defective
		OPTIONAL	Width (98)														
71			Diameter (97)	0	0	8)										
			Shape (96)	Creudar Rectangular Square	O Arched	Chroslar Rectangular Square	O Arched	Circular Creangular Courses		O Circular O Rectangular	Square O Arched	Chroder Chroder Chroder		Chouler Cl Rectangular Cl Square	O Arched	Chrolist Rectangular	Arched
P+ +			Material (95)	5 \$ 3	0 0 0 WC	5 \$ 3	2 K		1000 14 §		0000 8	2	1000	5 5 3	2 k		345
			Rim to Invert (93)		6.1	0	۶٬۷ ۲										į
			Special Condition (101)	OU (out Drop Us) OL (out Drop Lew) I'll (in Drop Us)	It (in Orop Low! FM (Force Main) LB (Leceral)	OU (Out Drop Up) OI, (Out Drop Law) If (in Drop Up)	It (in brop Low) FM (Force Meln) LB (Lateral)	OU (Out Drop Up) OU (Out Drop Low) D (U (in Grop Up)	It fin Drop Low) FM [Ferce Main] IB [Lateral!	COU (Out Drop Up)	If (in Drop Low) If (in Drop Low) Mileoce Main) If (it (in Drop Low))	OU (our throp top) OL (our throp top) U (in throp top)	O IL (in Drop Low! O FM (Force Maint	OU (Out Oney Up) OU (Out Oney Up)	O II. (In Drop Low) O FM (Force Main) O LB (Lateral)	Ott (Out Drep Up) Ott (Out Drep Lew)	O IL (in Oros Low) O FM (Force Main) O LB (Lancrai)
		REQUIRED	Direction (94)	<u> </u>			□ Out		D Out		ě		D Out	- - - -			TO Oct
	ECTIONS		Clock Position (92)	9		7	<u> </u>										
H: NS	PIPE CONNECTIONS		Pipe Number (91)			7	7							. S			



MH Number			Seal Condition (101)	punos 2	□ Defective	B Sound	□ Defective	Sound	□ Defective	punos 🗆	□ Defective	D Sound	□ Defective	D Sound	Defective	D Sound	□ Defective
			Condition (99)	\$ Sound	□ Defective	punos q	Defective	Desound	□ Defective	D Sound	□ Defective	D Sound	□ Defective	Dunos 🗆	□ Defective	D Sound	□ Defective
		OPTIONAL	Width (98)														
2			Diameter 197)	8	٥	8		В	٥								
			ומו	Circular Rectangular Square Arched	0	Crouter Rectangular Square			Arched	Circular Circular Circular	Arched	Cheular Rectangular Souare		Chroular C Rectangular C Square		Chrouler Chrounder Chrounder Chronical	
m + -			Material (95)	24 VCP 25 VCP 25 VCP 26 VCP	¥	5 6 8 8		2 × 0 0		2 A C	3 4 %	5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 X	553	2 % 2 % 2 %	000 8 & &	
4			Rim to Invert (93)	0.01	,	101	10.10	,	10,5								
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		REQUIRED	Direction (94)	Ø □ Out	ĺ	E (ĺ	E.			 0 1 🗆	ŧ	D Out		Out	<u> </u>	
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SK	PIPE CONNECTIONS		Pipe Number 191)			4		2)								

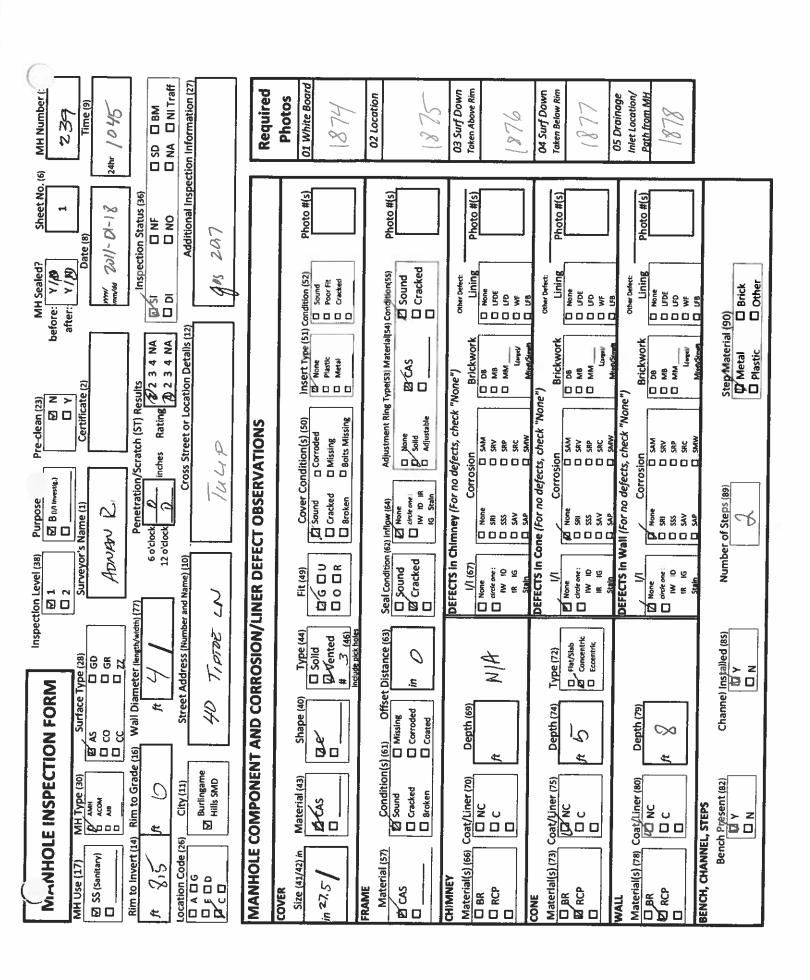
MHN	Time (9)	24hr 10:40	OSD DBM	Additional Inspection Information (27)		Required	Photos	01 White Board)	02 Location	4SH	03 Surf Down	Token Above Rim	SSH	Od Surf Down	Taken Below Rim	75h	05 Drainage	Inlet Location/	たった			
Sheet No. (6)	ر اهار	6//8	Inspection Status (36)	dditional Inspect				Photo #(s)		Photo #(e)			Photo #(s)			Photo #(s)			Photo #(s)				
	arrer: 7 AGV Date	/107 mm/det (2011/	Inspecti					Note (\$1) Condition (\$2) Note (\$1) Condition (\$2) Note (\$1) Condition (\$2) Note (\$1) Condition (\$2)		54) Condition(55)	Sound Cracked	Other Defect:	Lining None		Collection Collection	Lining			Other Defect:	None IFDE	0 WF	100/	Brick
	Certificate (2)		Results 2 3 4 NA 3 4 NA	Cross Street or Location Detalls (12))c			Insert Type (51		Adjustment Ring Type(53} Material(54) Condition(55)	B CAS	k "None")	Brickwork	O MB	one")	Brickwork	8 W 8	Mensione)	Brickwork	8 W W	Liesely Mest/Simes	(00) IchatcM cot2	Meta) ☐ Meta) ☐ Plastic
Pre-clea			ck Inches Rating 2	u i	anton	ERVATIONS		Cover Condition(s) (so) Sound □ Corroded Cracked □ Missing Braken □ Rofte Missing	11	Adjustment R		DEFECTS in Chimney (For no defects, check "None")	Corrosion 🗀 sam	2 SRV	DEFECTS (n Cone (For no defects, check "None")	Corrosion	\$ & & & \$ & & & & & & & & & & & & & & &	DEFECTS in Wall (For no defects, check "None")	Corrosion	W & & &	D SWW	ĮQ.	
Purpos (VI Investig.)	Surveyor's Name (1)	2170	6 o'clock]	1	ON/LINER DEFECT OBSERVATIONS		N C		Seal Condition (62) Inflow (64)	₽ \$ ≥ ₽	in Chimney (For	ž Ž	≅ % ≹ å	in Cone (For no	None	* * * * 1000	in Wall (For no o]_	0000	\exists	Number of Steps (89)	0
Inspection Level (38)			/ Amarin (7)	(Number and Name) (10)	11side D	ON/LINER [D	k holes		Dr. Sound	DEFECTS	1/1 (67)	drate one: IW ID IR IG	DEFECTS	// Work		DEFECTS	<u> </u>	None christe one:		(88)	
FORM	Surface Type (28)	mejQ jje	A S	Street Address	2824 H	ID CORROSI	Choose see	□ K #	include plo	Offset Distance (63)	roded in C		Deptu (89)			Depth (74) Type (72	G Recentric		Depth (79)			Channel Inst <u>a</u> lled	> Z R O
V.ANHOLE INSPECTION FORM	MH Type (30) S			Clty (11)	Buriingame Hiiis SMD	MPONENT AN	Material (42) Ch.	15 C		Condition(s) (61)	Cracked Corroded			c ft /		ler (75)	7	1	Coat/Liner (80) Dept	C J#) Se	t (82)	
 	MH Use (17) MH SS (Sanitary)	n to Invert (14)		Location Code (26)	<u> </u>	MANHOLE COMPONENT AND CORROSI	COVER Size (41/42) in Ma		FRAME	Material (s7)	Parcas	CHIMNEY Material(s) (co) Cost	6			Material(s) (73) Coat/		WALL	Material(s) (78) Coat/	•	BENCH CHANNEL STEDS	Bench Present (82)	× Z Ø

	$\overline{}$	7	_	_				1					<u>.</u>				
MH Number			Seal Condition	(101) (5 Sound	□ Defective	N Sound	□ Defective	D-Sound	□ Defective	D Sound	☐ Defective	Dunos 🗅	□ Defective	punos 🛭	C Defective	punos 🗈	☐ Defective
			Condition	(Sound	□ Defective	GSound	☐ Defective	Pound	□ Defective	D Sound	□ Defective	D Sound	□ Defective	D Sound	□ Defective	D Sound	□ Defective
		CONTRACT	Width (98)			> Perman	+										
			Diameter (97)		9		9	,	9								
-2			Shape (96)	Circular Rectangular		R. Crouler Rectangular Square		G Grouter Square	O Arched	Croular Rectangular Square	D Arched	Crouter C Rectangular Square		Clrutar C Recangular Square		Circular C Rectangular Square	
			Material (95)	5 \$ 3	¥	□₹ 000	ž	1		5 \$ 3		000 808		000 500 500 500 500 500 500 500 500 500		5 5 3 3	
Dm D			Rim to Invert (93)	~	ı	> ><		ر د									
[] ~]			Special Condition (101)	OU (Out Drop Up) OL (Out Drop Low) II (In Drop Up)	FM (Force Main)	OU lost drep tay)	O FM (Forze Main) O LB (Letteral)	O OU (Out Drop Up) O U (out Drop Low) O 1/2 (in Drop Up)	C FM (Force Main)	OU fow once upt OU fow bose town I to fin bose upt	If the Grop Low; FM (Force Main;) LB (Leberal;)	OV (Out brop Up)	O IL In Orop Low) O FM (Force Main) Li (Lateral)	OU for the up!	C FM (Force Main)	O U (out Drop Up) O U (out Drop Up) I U (in Drop Up)	C FM (Force Main)
		REQUIRED	Direction (94)	. <u>s</u> 6		超 三 5		.s d	- 1	<u>=</u>			T O	_ C			- 1
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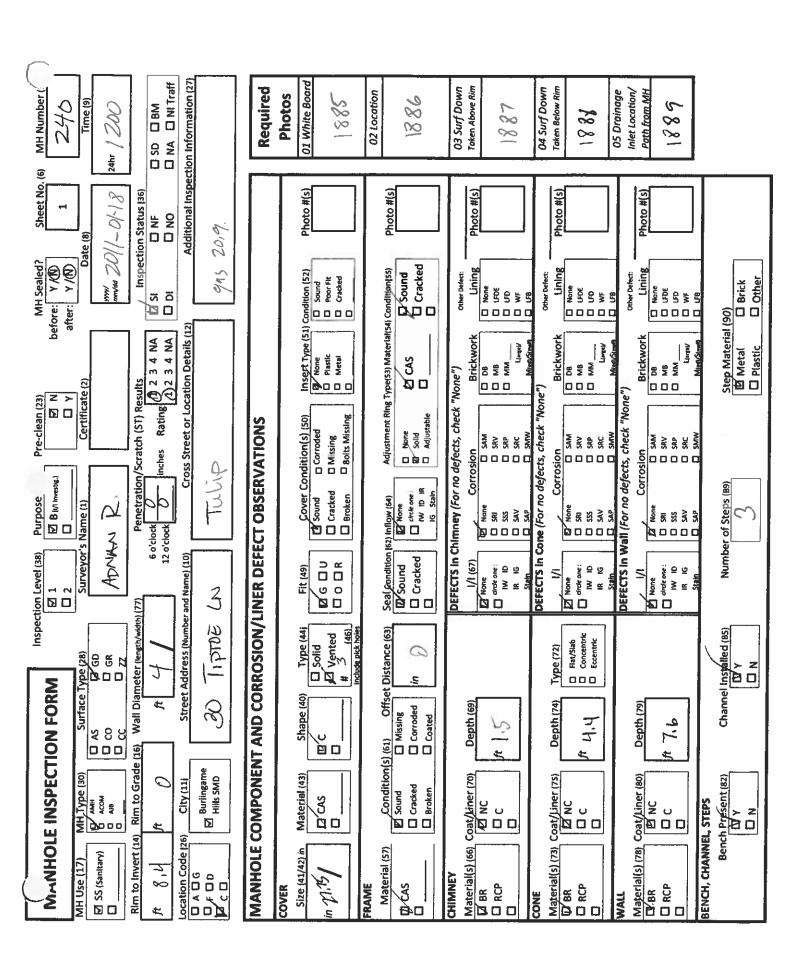
Sheet No. (6) MH Number (13) ate (8) If (1/13) 24hr (0.20) If on Status (36) If NF ISD BM If NO IN Traff Additional inspection information (27)	Required	Photos 01 White Board 45	02 Location 4 4 7 7	03 Surf Down Taken Above Rim	04 Surf Down Token Below Rim	05 Drainage Inlet Location/ Path from MH	
V V V V V V V V V V V V V V V V V V V		Condition (52) Sound Description Cracked Cracked	Conditioniss Photo #(s)	Other Defect: ASS Lining Photo #(s) Photo #(s) C C C C C C C C C C C C C C C C C C C	Other Defect: Uning Photo #(s) G FPE	Uning Photo #(s) None LFDE UFBE UFBE UFBE UFBE UFBE UFBE UFBE UFB	rick
en (23) EN Defer CO V A NA COCATION DETAILS (12)	SNO	Insert Type (51)	Materiai(s4) AS	ckwork		Brickwork Oth Oth Oth Oth Oth Oth Oth Oth Oth Oth	erial (90)
Purpose (1) C B (vi Inversion of clock of clock	SION/LINER DEFECT OBSERVATIONS	Cover Condition(s) (so) Salary Corrected Corroded Coracted Corroded Coracted Coracted Corroded Coracted Coracted Corroded Coracted Coracted Corroded Coracted Corac	Seal Condition (62) Inflow (64) C Sound C Cracked Two is in the one is a factor of in the one is a factor of in the one is a factor of in the one is a factor of in the one is a factor of in the one is a factor of in the one is a factor of in the one is a factor of in the one is a factor of in the one is a factor of in the one is a factor of in the one is a factor of interest of intere		For no defects, Corrosion None	Or no defect Corros None SSI AV	Number of Steps (89)
Inspection Level (38)	RROSION/LINER D	Type (44) Solid Vented ** /5 (46)	seal condition fed in Cracked Cracked	DEFECTS in // (67) None None	Type (72) Type (72) If in it is in it is in it	DEFECTS in 1/1 None Order one : IW 10 IR 16 I	Channel Installed (85) Numl
MH Use (17) MH Use (17) MH Use (17) MH Type (30) Surface Type Acom Sim to Invert (14) Rim to Invert (14) Rim to Grade (16) MANHOLE COMPONENT MANHOLE COMPON	CONEIN AND CO	夏 .	M. Sound Christing Cracked Corroded Distriction Coated	Coat/Liner (70) Depth (69)	Depth (74)	Coat/Liner (80) Depth (79)	
MH Use (17) S (Sanitary) Sim to Invert (14) Rim to Invert (14)	COVER	5)22 (4)42) m N N N N N N N N N N N N N N N N N N		Material(s) (66) Coat RR BR CD RCP CD RCP CONE	Material(s) (73) Coat/Lin Material(s) (73) Coat/Lin C NCP C C C	ial(s) (78)	Bench Present (82)

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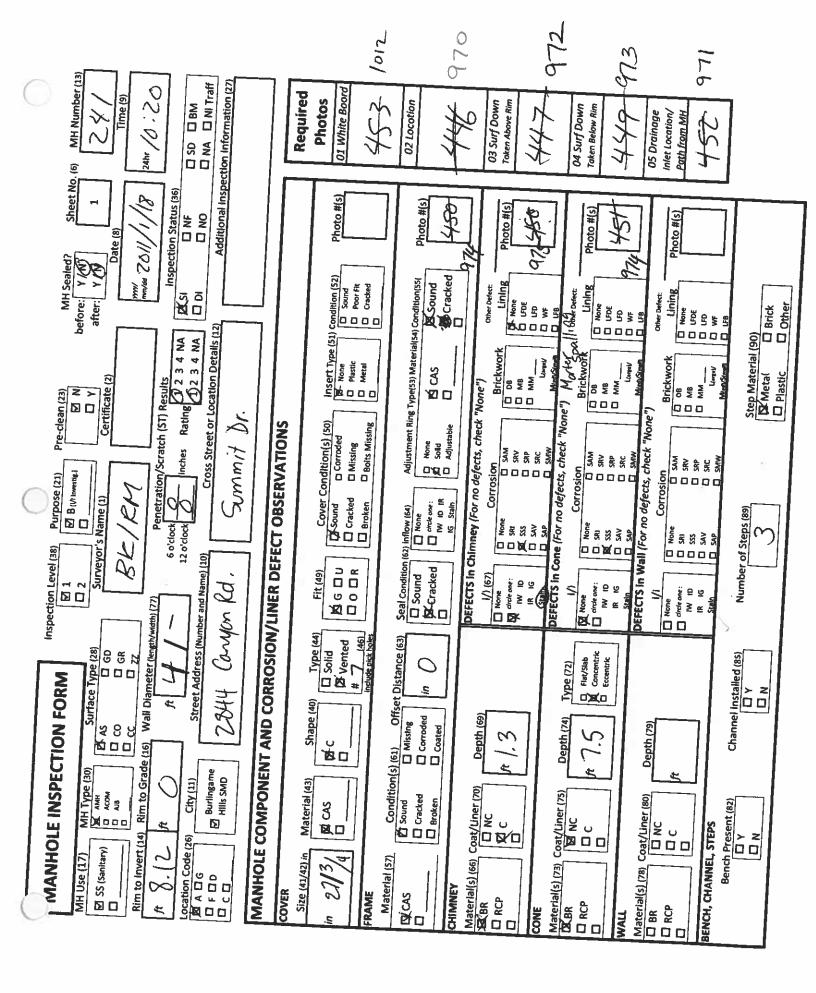
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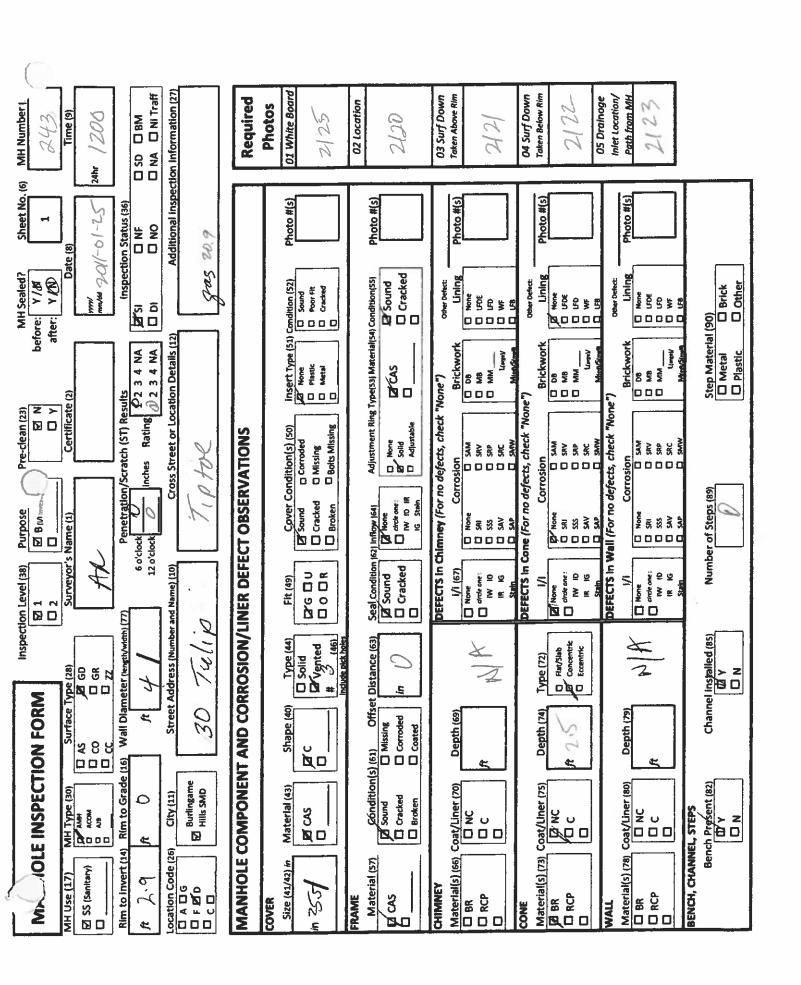
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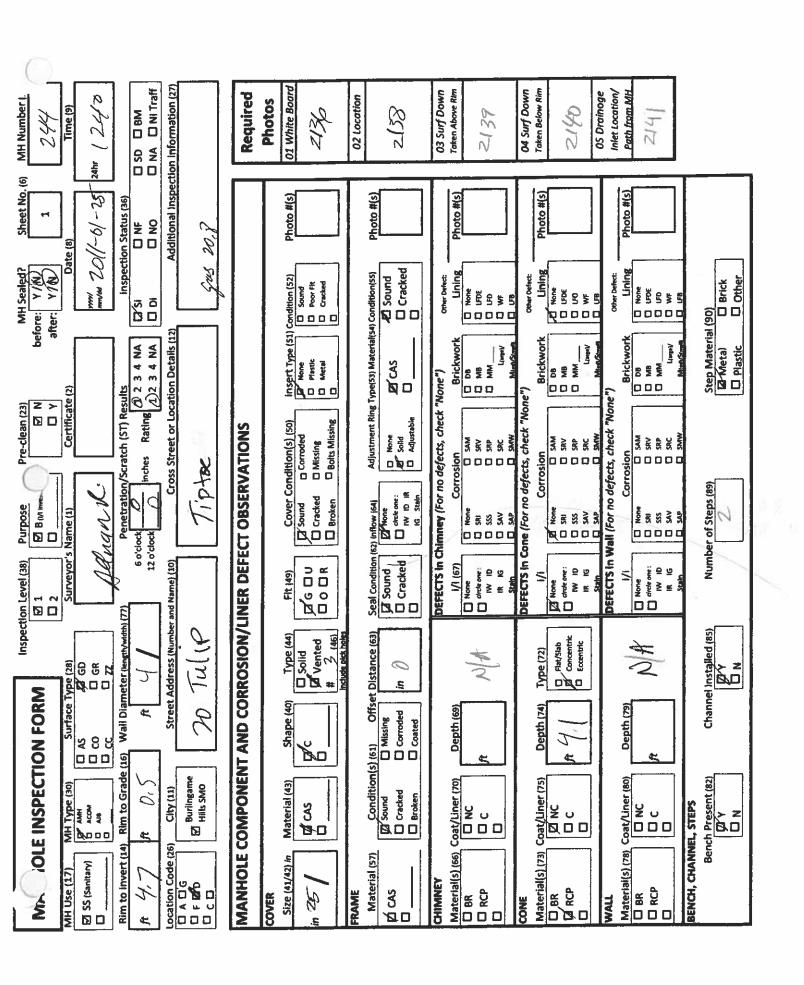
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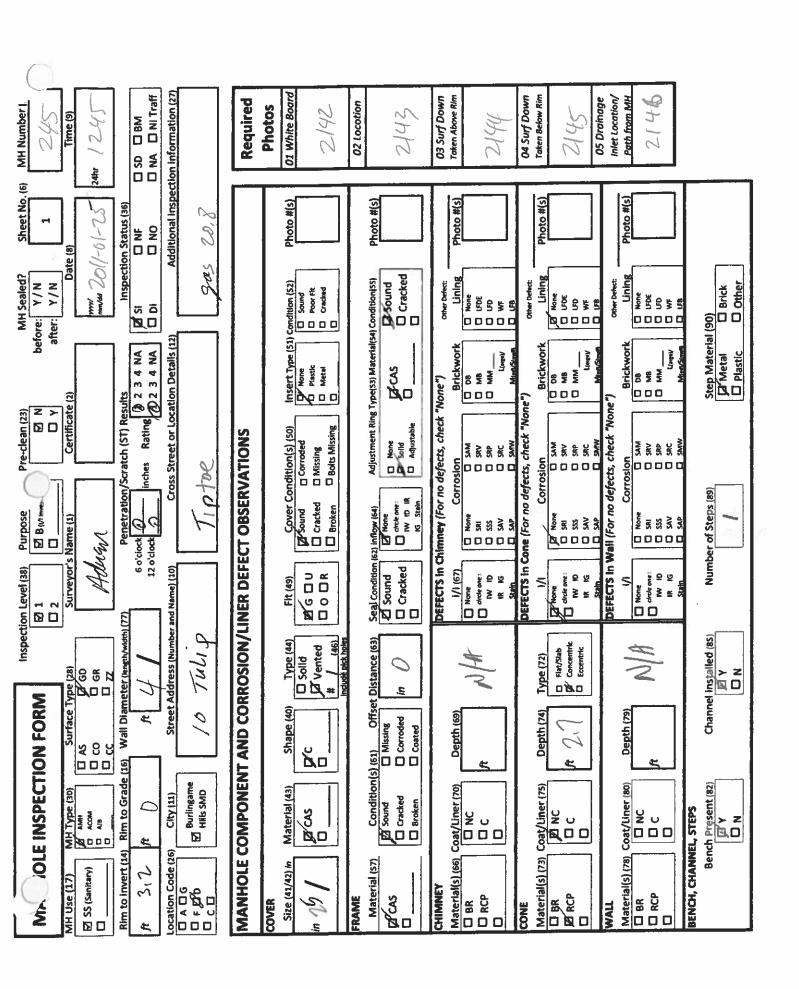
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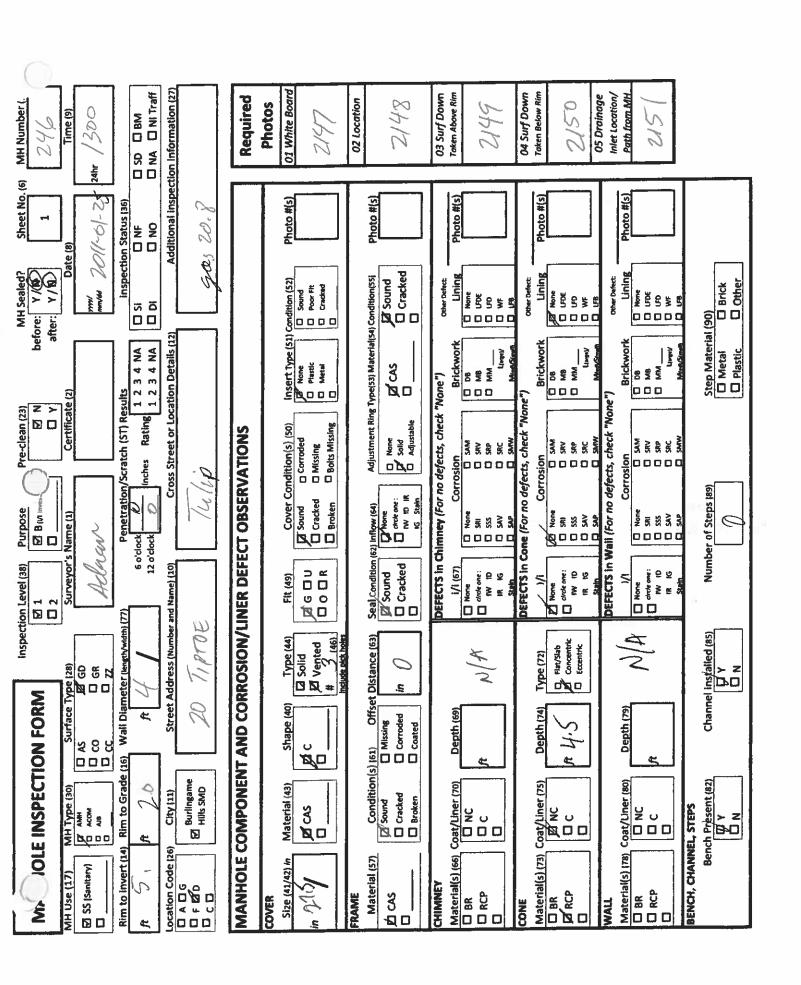
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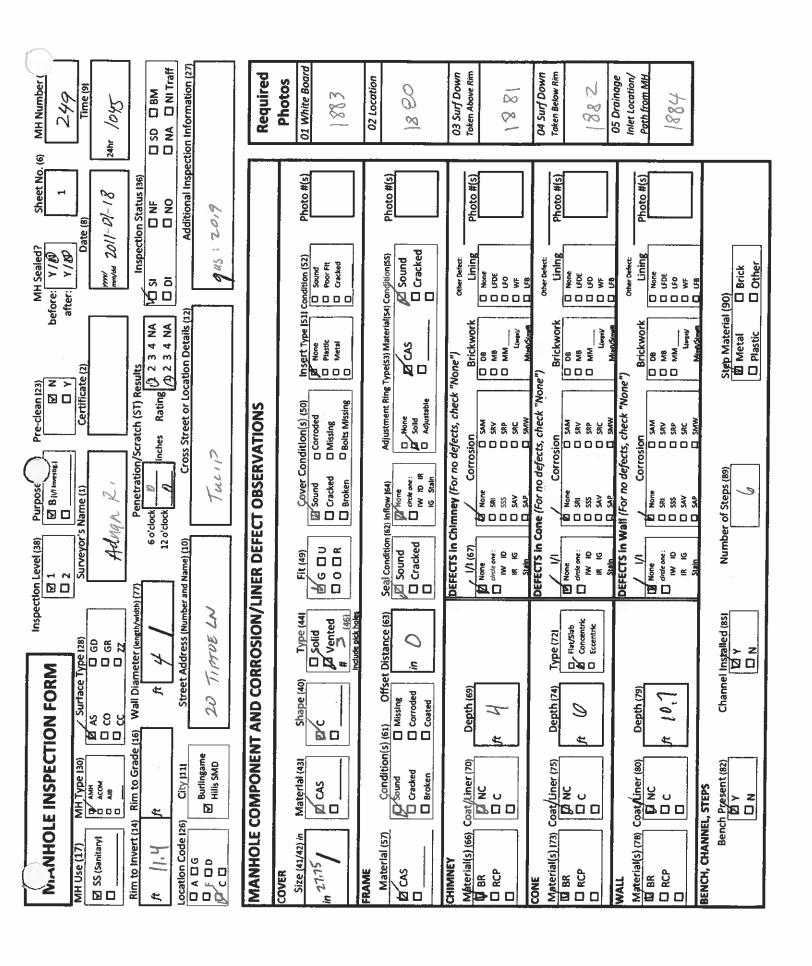
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MH Number 245			Seal Condition	Sound	Defective	B Sound	Defective	E Sound	O Defective	D Sound	Defective	D Sound	O Defective	D Sound	D Defective	D Sound	□ Defective
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			Rim to invert (93)	÷ 0	20	7.1	(' (p	0	2:6								
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SK.	PIPE CONNECTIONS		Pipe Number (91)	Ħ		9		7	>	, -			T.				



MH Number 962 Seal Condition (101)□ Defective □ Defective □ Defective □ Defective □ Defective Defective □ Defective Dunos 🗖 D Sound punos_p Sound Sound Dunos B D Sound 0 0 Condition □ Defective □ Defective □ Defective □ Defective □ Defective □ Defective □ Defective Sound PSound D Sound D Sound D Sound D Sound D Sound Width (98) inches OPTIONAL Diameter (97) 80 (96) Circular Rectangular Square Arched Orcular Rectangular Square Arched Circular Rectangular Square Arthed Rectangular Square Arched Oroular Rectangular Square Arched Rectangular Rectangular Shape Circular Square Circular Square 000 0000 00000 00000 00000 00000 00000 Material 5 3 3 5 5 | 53345 53345 3 2 3 4 5 \$ \$ \$ \$ \$ \$ 3 8 8 8 8 \$ \$ \$ \$ \$ \$ 000000 000000 00000 000000 000000 Rim to Invert 0 515 (33) Condition (101) | 18 (Leteral | 0 U (Out Dasp Lay) | 0 U (Out Dasp Law) | 0 U (In Dasp Law) | 1 U (In Dasp Law) | 1 U (In Dasp Law) | 1 FM (Force Meint) OU (Out Drop Up)
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MH Number Seal Condition 549 □ Defective □ Defective □ Defective Defective Defective □ Defective (101)Defective bunos M Punos d Dound Sound D Sound Sound Sound Sound 0 0 Condition □ Defective □ Defective □ Defective □ Defective □ Defective Defective □ Defective \$50und Sound Dunos/ D Sound □ Sound D Sound D Sound Width [98) OPTIONAL Diameter (97) 00 00 (96) Circular Rectangular Square Anched Circular Rectangular Square Arched Grouter Rectangular Square Arched Circular Rectangular Circular Rectangular Circular Rectangular Square Anched Circular Rectangular Square Arched Shape Square Arched Square **2**000 0 0 0 0 00000 0000 00000 00000 00000 Material 5 3 3 8 8 इंदेश्चर \$ \$ 8 4 X 3 2 3 3 2 5 多多名的 33348 \$ \$ \$ \$ \$ \$ 00000 00000 000000 000000 000000 Rim to Invert 019 7 3 (6) Condition (101) OU (Oxt One Us)
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U FM (Force Main) Direction (94) REQUIRED = t 0 = 0 e ğ 를 선 이 전 **= ⊡** § = ق <u>۔</u> ت ت 흔 드 Clock Position PIPE CONNECTIONS 0 (35) φ Pipe Number Ŧ (91) 0 5 SK.

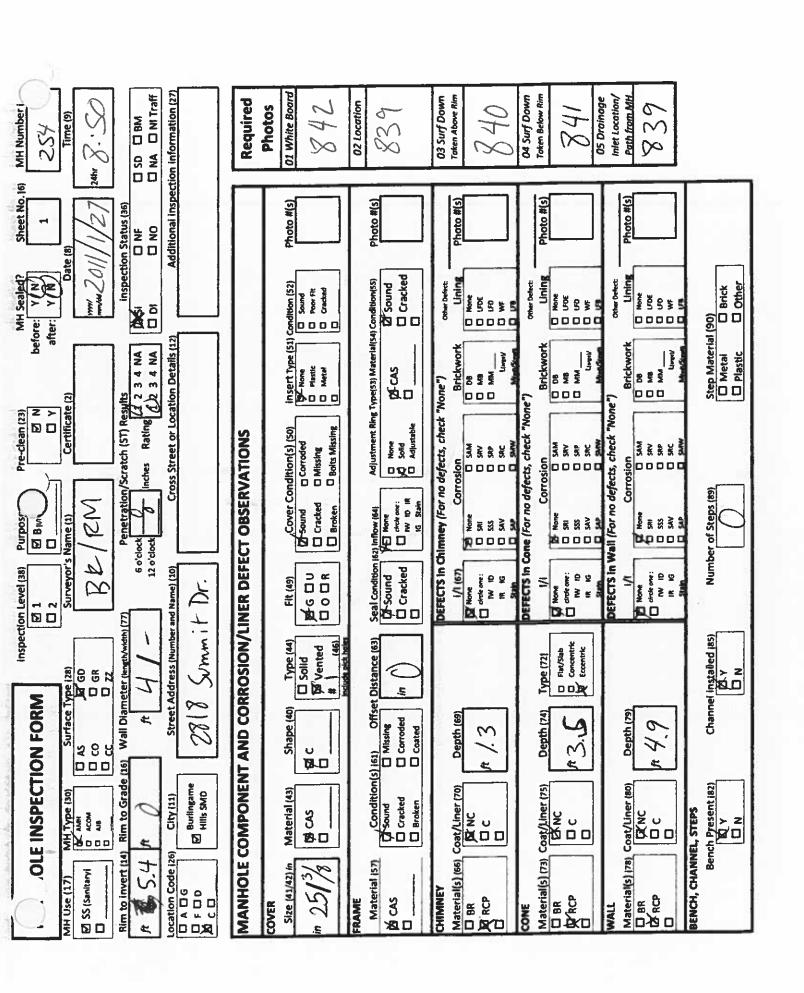
MH Number (:	Time (9) 24hr / 34/5	O SD O BM		Required	Photos 01 White Board	02 Location	03 Surf Down Taken Above Rim	O4 Surf Down Taken Below Rim	05 Drainage Inlet Location/ Path from MH.	
Sheet No. (6)	Date (8)	hspection Status (36)	Additional Inspec		Photo #(s)	Photo #(s)	Photo #(s)	Photo #(s)	Photo #(s)	
MH Sealed? before: Y/W after: Y W) pp/mm	4 NA C SI	18 N	0	The Fall Condition (52) None Plastic Plastic Plastic Contected	aterial(54) Condition(55) C Sound Cracked	ckwork Lining None Chevital Control Co	5 B 000		rial (90)
Pre-clean (23)	Certificate (2)	Results Results Results Results Results Results Results Results	Cross Street or Location Details (12)	HONS		Adjustment Ring Type(53) Material(54) Condition(55) None	efects, check "None") sion Brickwork sion Brickwork saw saw say saw Manafara	"None") Bric	M M Bric	Step Mate
Purpose	Surveyor's Name (1) Adnan D	6 o'clock // inche	Gross S 6 len	ON/LINER DEFECT OBSERVATIONS	Cover Condition(s) (50) Zound Corroded Cracked Missing		DEFECTS in Chimney (For no defects, check "None") Vi (67)	no defec Corros	Or no defect Corros None SSI SAV	Number of Steps (89)
inspection Level (38)			dress (Number and Name) (10) Survey 7	N/LINER DEF	(44) Fit (49)	(63) Seaf condition (62) inflow,(64) Z Sound C Cracked IN 10 IS Stail	DEFECTS in C		DEFECTS in W	
	Surface Type (28) AS PD GD CO G GR CC G ZZ	Wall Diameter (length/width) (77)	Street Address (1)		Shape (40) Type (44) C Sylid (46)	(61) Offset Distance (63) Offset Distance	Depth (69)	Depth (74) Type (72) FlaySab Glorentric	Depth (79)	Channel Installed (85)
<u> </u>	MYP-I ype (30)	Rim to Grade (16)	City (11) Burlingame Hills SMD	MANHOLE COMPONENT AND CORROS	Material (43) Sh	Candition(s) (61) (Gracked Cacked Co	Coat/Liner (70) De	Coat/Liner (75) De	(80)	Bench Present (82)
MANHOL	S (Sanitary)	Rim to Invert (14) $fr \leq \sqrt{8}$		MANHOLE	COVER Size (41/42) in in 25.57	FRAME Material (57) Z CAS	CHIMNEY Material(s) (66) CG G BR G RCP	ial(s) (73)	WALL Material(s) (78) Coat/line C BR C RCP C C C C C C C C C C	Bench, Channel,

MH Number Seal Condition □ Defective □ Defective □ Defective □ Defective □ Defective Defective □ Defective Sound Sound D Sound D Sound D Sound D Sound Sound 0 Condition □ Defective □ Defective □ Defective □ Defective □ Defective □ Defective □ Defective Sound Sound D Sound D Sound D Sound D Sound D Sound Width (98) OPTIONAL Diameter (97) 00 8 Crouler
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Arched Circular Rectangular Square Arched Rectangular Square Arched Rectangular Square Arched Rectangular Square Arched Rectangular Square Arched Rectangular Shape Circular Square Circular (96) 0000 0000 00000 00000 0000 00000 Material 5 3 3 5 g \$ \$ 3 4 \$ \$ \$ 3 × \$ 2 6 2 8 5 2 \$ \$ \$ \$ 4 \$ 3 4 8 6 3 3 6 8 6 5 02000 000000 000000 000000 000000 00000 Rim to Invert 20 1 w Condition (101)

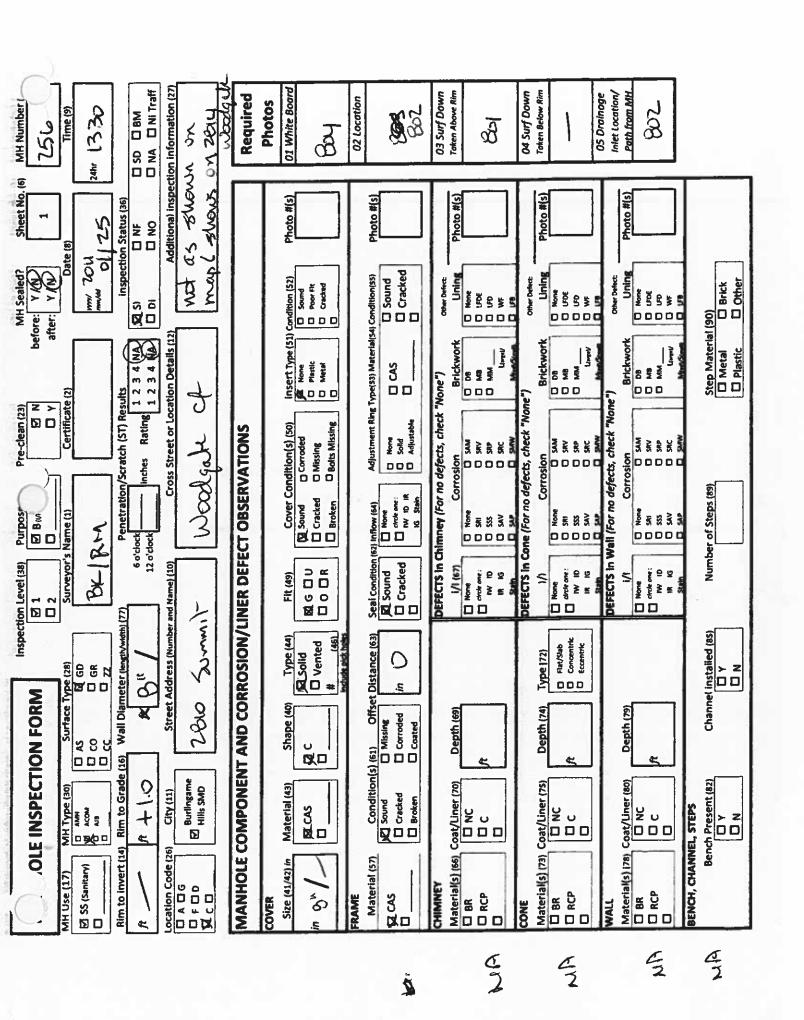
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de 126) City (111	Street Address (Number	(Number and Name) (10)	ဦ	ss Street or Loc	101		dditional inspe	- 1
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								Photos
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	CHOICE PASS HORSE							02 Location
Material (57) CAS Cacked Corroded Broken Coated	Offset Distance (63)	Seal Eondition (s2) Inflow (s4) Sound Cracked No 10 In 10 In 10 Is 51a	2) Inflow (64) Mone circle one: IN 10 IR	Adjustment Ring Colldon Adjustable	Adjustment Ring Type(53) Material(54) Condition(55)	(Condition(ss)	Photo #(s)	1925
CHIMNEY Material(s) (66) Coat/liner (70) Donth (60)		DEFECTS in Ch	DEFECTS in Chimney (For no defects, check	defects, check	"None")	Other Defect:		03 Surf Down
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E RCP C C R 4.8	Flat/Slab	Onde one:	* * * * * * * * * * * * * * * * * * *		MW 88			1261
		DEFECTS in W	ali (For no defe	DEFECTS in Wall (For no defects, check "None")		Other Defect:		05 Droinage Inlet Location/
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BENCH, CHANNEL, STEPS		Statio		Sww	MediSimen	649 D		
Bench Present (82) Channe (ロッケ)	Channel Installed (8s)	Numbe	Number of Steps (89)		Step Material (90) Matal	90)	****	
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	:		Condition	C Sound	D-Sound © Defective	B Sound	□ Sound	© Sound	□ Sound	□ Sound
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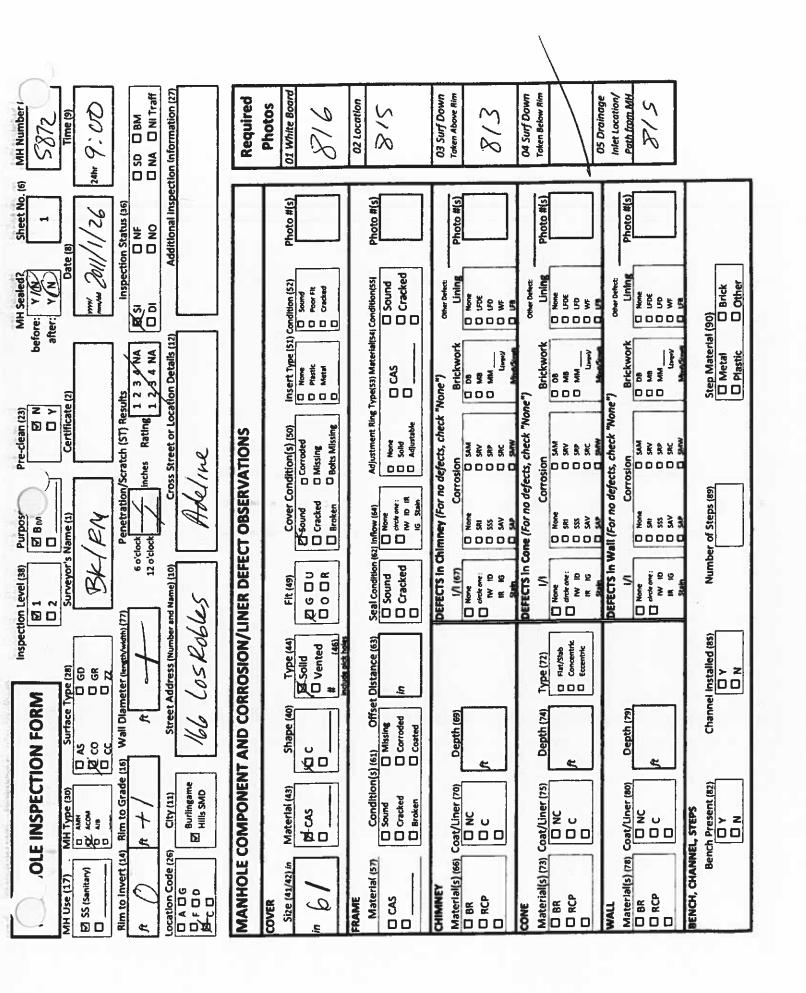


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			Condition (99)	déound	O Defective	d.Sound	□ Defective	D Sound	C Defective	D Sound	□ Defective	D Sound	□ Defective		D Sound	O Defective	Disound	□ Defective
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		ō	Diameter (97)	1	0	_	٥											
			100	Orcutar O Rectangular Square		92 Orcular D Rectangular D Square		Oroular O Square	Arched	Orester O Rectangular		C Chroster C Aectangular	O Square		Square C		Circutar O Rectangular	Square D Archad
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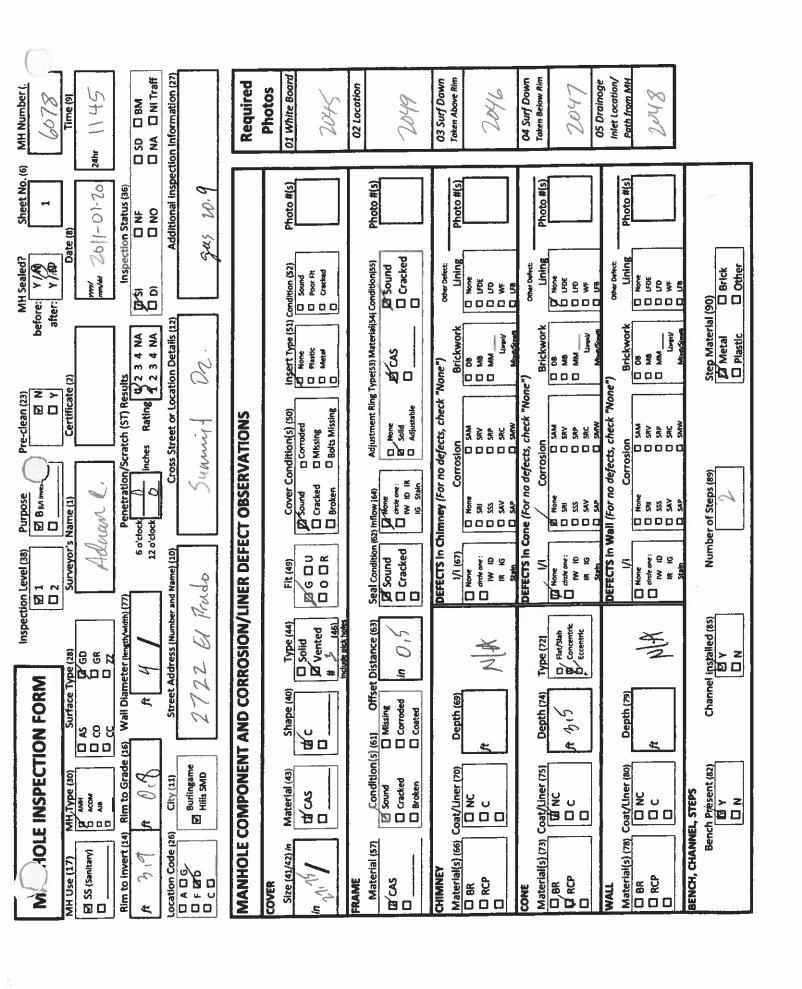
16) MH Number (13) SR 42 Time (9) Time (9) 24hr / 0 02 D SD D BM D SD D BM D NA D Ni Traff ection information (27)	Required	Photos D1 White Board 446 D2 Location 03 Surf Down Taken Above Rim 04 Surf Down Token Below Rim	44/ OS Drainoge Infet Location/ Path from MH
Am Sealed? Sheet No. (6) El N before: Y/W after: Y/W ifficate (2) Results inspection Status (36) Location Details (12) Additional inspection i	CORRUSION/LINER DEFECT OBSERVATIONS	Material (43) Shape (40) Type (44) Fit (49) Cover Condition (5) 500 Hoser to the fire (49) Cover Condition (5) Fit (49) Cover Cover Cover Condition (5) Fit (49) Cover Cover Cover Cover Cover Cover Cover Cove	Stein Depth (79)
MANHOL MH Use (17) El SS (Santary) Rim to Invert (14) COVER	### 27/1/2 ### ### ###########################	WALL Material(s) (78) Coat/Lin G BR G RCP G C G C BENCH, CHANNEL, STEPS BENCH, Presen	

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Avched Shape Circular 0 0 0 0 0 0 00000 00000 0000 Material 000000 \$\$8\$\$ 5 5 8 4 5 53345 충충용수돗 \$ \$ 8 4 \$ 多多名名名 00000 020000 00000 و و و و و و و 00000 000000 Rim to Invert 00 (93) Ci Condition (101) □ OV (tok Does Usy)
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MH Number (Time (9)		O SD O BM	Information (27)	8.00.9	Required	Photos	01 White Board	20500	02 Location	1390		03 Surf Down	Jaken Above Kim	1 57	04 Surf Down Taken Below Rim	2053	05 Drainage	Path from MH	4502		
Sheet No. (6)	0f-20 24hr	inspection Status (36)	ON CO	linsped	uze 12in. Aro 705.			Photo #(s)			Photo #(s)			Photo #(s)		Ohoto #(c)			Photo #(s)			
MH Sealed? before: Y/N after: Y/N	mm/sd 2011-01-20		<u> </u>		Surch			(S1) Condition (S2)	Metal Cracked		al(s4) Condition(ss) [2/Sound		ŧ	Lining O None O L'DE		Other Defect:	9000	ig °	띧	<u>8</u> 8\$	80	ria) (90)
Pre-clean (23)	Certificate (2)	Scratch (ST) Results	Rating 2 3 4 NA	Cross Street or Location Details (12)	90	NS	;	Г	2		Adjustment Ring Type(ss) Material(s4) Condition(ss)	Adjustable C	check "None")	Brickwork D b8 D MB	Linney Linney	ck "None") Rrichwork	000	"None")	Γ	00	Media	Step Material (90) Metal Plastic
B in Imes		Penetration/Scratch (inches	Cross Street	EL Budo	MANHOLE COMPONENT AND CORROSION/LINER DEFECT OBSERVATIONS		3	Ø Sound □ Corroded □ Cracked □ Missing □ Broken □ Bolts Missing		. 9		DEFECTS in Chimney (For no defects, check "None")	None Corrosion	SAV [] SAC	Derects in cone (<i>rot no defects, cneck "None")</i> i/i	None SSS SAV	For no defects, o	Corrosion None 🗀 SAM			Steps (89)
Inspection Level (38) Pu	Surveyor's Name (1) Advant	_	6 o'ciock 12 o'clock	r and Name) (10)	tr	INER DEFECT		Fit (49)	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		Seal Condition (szi Inflow isa)		DEFECTS In Chim	None	29 HR 85	Derect's in cone	None orde one:	DEFECTS In Wall (i/i	and cone:		Channel installed (85) punt Number of Steps (89)
	Surface Type (28) NS (70 GD CO (10 GR CC (10 ZZ	Wall Diameter (ength/width) (77)	11	Street Address (Number and Name) (10)	2734 Samit	ORROSION/L		O) Type (44)	# / (46)	Ungivers beralibers	Offset Distance (63)			N. N.	,	Tvpe (72)			4 1/4	2		mel installed (85)
10IT	000	_	#	Stre		ENT AND C		_	Z O		Condition(s) (61) Offs Sound □ Missing Cracked □ Corroded	Coated		4) Depth (74)	بخ) Depth (79	*		J. P. S. L.
E INSPEC	MH Type (30)	() Rim to Grade (16)	A 0,5	(11) C(L)	Buringame Hills SMD	COMPON		Material (43)	SS		Condition Sound	□ Broken	(02/ 10ai I/\$co)			Coat/Liner (75)	57 0 0		Coat/Liner (80)	٥٥	EL, STEPS	Bench Present (82)
Mi-JOL	MH Use (17) S SS (Santary)	Rim to invert (14)	449	Location Code (26)		MANHOLE	COVER	Size (41/42) in	in Ath	FRAME	Material (57)		CHIMNEY Material(c) (cc)	_		ial(s) (73	0 88 62 80 0 80	WALL	(8) (28)	O RCP	BENCH, CHANNEL, STEPS	Ben

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MH Number			Seal Condition	8 8	Sound	G Sound	G Sound	G Sound	© Sound	G Sound G Defective
			Condition (99)	© Sound	© Sound	© Sound	C) Sound	© Sound	© Sound	□ Sound □ Defective
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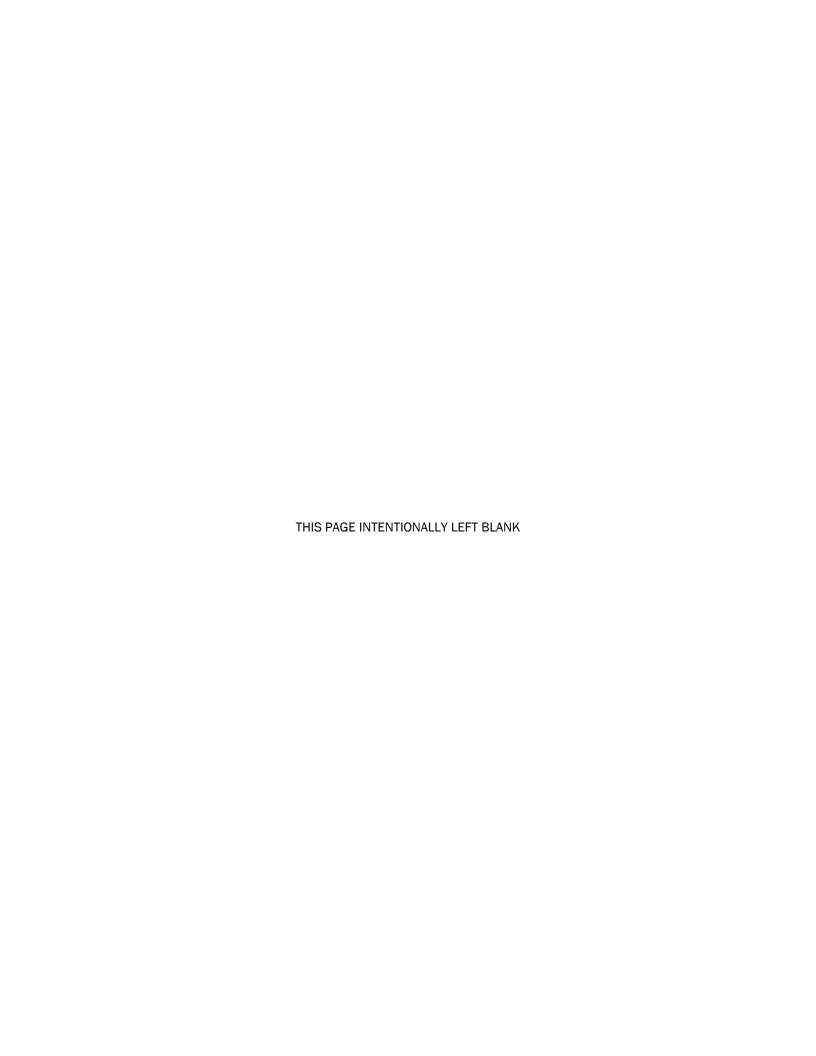
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Attachment E: Manhole Location Criteria Forms



LOCATION SKETC	LOCATION CF H BY SANITARY SEWER N	RITERIA FORM MANHOLE	Camera No General Picture No Drainage Picture No	o
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9 V	Hillside Lan		3,30	
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Environmental Proximity to nearest	drain inlet and waterway of	the U.S. / Description of o	conditions)	Picture No.
Access / Safety (Safe, readily access	ible area, Traffic level, Strate	egic importance to operat	tion of system)	/ Picture No.

Sewer Line Sewer MH Storm Drain Line Water L	LOCATION SKETC		CATION CRITERIA RY SEWER MANHOI		Cameral Picte Drainage Picte	
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	LOCATION CRITERIA FORM			885	
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cess / Safety afe, readily accessit	ole area, Traffic level, Strategic impo	rtance to operation of system	n) Pi	cture No.	
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ccess / Safety afe, readily accessible area,	Traffic level, Strategic impo	rtance to operation	n of system) F	/ Picture No.

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Access / Safety Safe, readily accessible area, Traffic lev	vel, Strategic import	ance to operation	n of system)	Picture No.

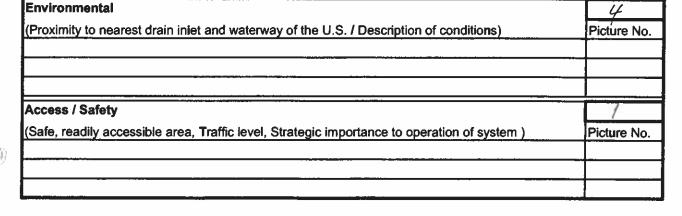
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Storm Drain Line □ Drain Inlet Water Line □ Valve > Likely spill path ▷ Photo Direction	NOTES sset #: 9 ed by: PM/BK Date: 1-28-11
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Access / Safety (Safe, readily accessible area, Traffic level, Strategic importance to o	peration of system) Picture No.

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	LEGEND			NOTES	
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· Storm Dra ····· Water Line		☐Drain Inlet ►Valve	Completed by:	AR	
->-> Likely spill		➢ Photo Direction	Date:	2011-01-17	
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	downstream o	of manhole)	Group Project#:		
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	ble area, Traffic level, Strategic imp	portance to operation	n of system)	Picture No.

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LOCATION CRITERIA FORM

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General Picture No.
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LOCATION SKETCH	BY SANITARY	SEWER MANHOL	E	Drainage Picture No).
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····· Water Line		₩Valve	Completed by:	BK/41	
→ ➤ Likely spill p		➢ Photo Direction	Date:	1-14-11	
O & M HISTORY		hole and segment	Inspection #:		
(downstream of	manhole)	Group Project#:		<u></u>
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LEGEND	NO	res
Sewer Line Sewer MH Sewer MH Drain Line	Asset #:	
······ Water Line ✓ Valve → ➤ Likely spill path ✓ Photo Direction	Completed by: BK/P Date: 1-14-	<u>M</u> 11
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downstream of manhole)	Group Project#:	
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(Proximity to nearest drain inlet and waterway of the U.S.	Description of conditions)	Picture No.
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Access / Safety		7
(Safe, readily accessible area, Traffic level, Strategic impo	rtance to operation of system	n) Picture No.
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O & M HISTORY	(Applies to manhole and segment	Inspection #:	7	
	downstream of manhole)	Group Project#:		
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LEGEND	NOTES	
Sewer Line Sewer MH Asset #:	18	
· Storm Drain Line	'AR	
→ Likely spill path	2011-01-17	
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downstream of manhole) Group Project#:		<u> </u>
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LEGE Sewer Line	ND Sewer MH	Asset #:	NOTES	
· Storm Drain Line	Drain Inlet	_	17	
····· Water Line	✓Valve	Completed by:	AR	
->> Likely spill path	➢ Photo Direction	Date: _	2011-01-17	
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downstr	eam of manhole)	Group Project#:	······································	
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LEGEND Sewer Line Sewer MH Asset #: 2 \ Drain Inlet Water Line Water Line Water Spill path Photo Direction O & M HISTORY (Applies to manhole and segment downstream of manhole) CCATION DESCRIPTION Ublic Impact	
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Proximity to public facilities, Economic impact, Public health or safety concerns)	Picture No.
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ccess / Safety Safe, readily accessible area, Traffic level, Strategic importance to operation of system)	

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Access / Safety (Safe, readily accessible	area, Traffic level	l, Strategic impo	tance to operation	of system)	Picture No.

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LEGEND			NOTES	
Sewer Line	Sewer MH	Asset #:	23	
· Storm Drain Line Water Line	☐ Drain Inlet ⋈ Valve	Completed by:	SS	
Likely spill path	➢ Photo Direction	Date:	201101	14
& M HISTORY (Applies to	manhole and segment	Inspection #:		
	n of manhole)	Group Project#:		
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e, readily accessible area, Tra	ific level, Strategic impor	tance to operation	of system)	Picture No.
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Storm Drain		☐ Drain Inlet	Completed by:	SS	
······ Water Line >>> Likely spill		► Valve ► Photo Direction	Date:	2011-01-11	9
		nhole and segment	Inspection #:		
	downstream of	manhole)	Group Project#:		
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Access / Safety					2
Safe, readily accessibl	e area, Traffic	level, Strategic impo	rtance to operation	n of system)	Picture No.

	CATION CRITERIA	General Pictu	
LOCATION SKETCH BY SANITA	ARY SEWER MANHOLE	Drainage Pictu	re No.
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LEGEND		NOTES	
Sewer Line	Sewer MH	Asset #: 2-7	
Storm Drain Line	☐ Drain Inlet	Completed by: RM/BK	
······ Water Line → ➤ Likely spill path	✓ Valve ➤ Photo Direction	Date: - 4-	
	manhole and segment	Inspection #:	
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downstream	of manhole) G	iroup Project#:	
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····· Water Lin	ne D	✓ Valve	Completed by:	SS	
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	downstream of m	nanhole)	Group Project#:		
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Access / Safety					4
(Safe, readily accessi	ible area, Traffic le	vel, Strategic impo	rtance to operation	n of system)	Picture No.
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LOCATION SKETCH BY SAN	LOCATION CRITERIA		Camera No. General Picture No. Drainage Picture No.	
LEGE Sewer Line Storm Drain Line	3119	Asset #:	NOTES 2 G	
····· Water Line	₩Valve	Completed by:	55	
Likely spill path	➢ Photo Direction	Date: _	2011-01-1	4
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downstr	eam of manhole)	Group Project#:		
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Environmental (Proximity to nearest drain inleted)	and waterway of the LLC	/ Description of co	nditions)	Picture No.
(Liovinità to neglezi digili ille	and waterway of the U.S.	Description of Col	ididolio)	FICIUIE INO.
Access / Safety				(2)
(Safe, readily accessible area,	Traffic level, Strategic impo	rtance to operation	n of system)	Picture No.

		OCATION CRITERIA ARY SEWER MANHOLI		Camera No General Picture No Drainage Picture No	
	<	Como			
#3	175	Tiploe			
Ston	KY	● Sewer MH ■ Drain Inlet ▶ Valve ▶ Photo Direction manhole and segment	Asset #: Completed by: Date: Inspection #: Group Project#:	- /	
LOCATION DES Public Impact (Proximity to put		nomic impact, Public heal	th or safety conce	erns)	PRIOF / Picture N
Public Impact (Proximity to put	olic facilities, Ecor	nomic impact, Public heal			1

LOCATION CRITERI LOCATION SKETCH BY SANITARY SEWER MANHO		Camera No. General Picture No. Drainage Picture No.	505
250 California	161		
LEGEND	7	NOTES	
Sewer Line Storm Drain Line Drain Inlet Water Line Sewer MH Drain Inlet Water Line Photo Direction	Asset #: _ Completed by: _ Date:	BK,RM 11	
O & M HISTORY (Applies to manhole and segment downstream of manhole)	Inspection #: Group Project#:		1 west
		- -	
LOCATION DESCRIPTION			PRIORITY
Public Impact		i v	1
(Proximity to public facilities, Economic impact, Public he	alth or safety conce	rns) P	icture No.
	 		
Environmental (Constitution of the state of	1 2 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1		<u></u>
(Proximity to nearest drain inlet and waterway of the U.S.	/ Description of cor	nditions) P	icture No.
			,
		Dr.	
Access / Safety			
(Safe, readily accessible area, Traffic level, Strategic imp	ortance to operation	of system)	icture No.
		£ .	
		48	,

	LOCATION CRITERIA FORM LOCATION SKETCH BY SANITARY SEWER MANHOLE		Camera N General Picture N Drainage Picture N	0.
0	Sewer Line Storm Drain Line Water Line Water Line Water Spill path Drain Inlet Photo Direction O & M HISTORY Applies to manhole and segment		NOTES 35 AN 2011-01-20	0.
	LOCATION DESCRIPTION Public Impact (Proximity to public facilities, Economic impact, Public hea Environmental (Proximity to nearest drain inlet and waterway of the U.S. /			PRIORITY / Picture No.
7.7	Access / Safety Safe, readily accessible area, Traffic level, Strategic impor	tance to operation	of system)	Picture No.

<u>.</u>	LOCATION CRITERIA FORM LOCATION SKETCH BY SANITARY SEWER MANHOLE			Camera i General Picture i Drainage Picture i	No.	
	A		Skyline Blue		empty Cor	
		LEGEND			NOTES	
ıΕ	Sewer Li	ne	Sewer MH	Asset #:	36	
]	· Storm Dr ····· Water Lir		☐Drain Inlet ✓Valve	Completed by:	AZ	
	>>> Likely spi		➤ Photo Direction	Date:	2011-01-20	
	O & M HISTORY	(Applies to m	anhole and segment	Inspection #:		
L		downstream	of manhole)	Group Project#:		
			· · · · · · · · · · · · · · · · · · ·			
<u> </u>		20 tbx +0 = 000	a Me Monus i	18 -2		
_	CATION DESCRI	PTION		108/3		PRIORI
	blic impact					
(Pr	roximity to public fa	acilities, Econor	nic impact, Public hea	Ith or safety conce	ems)	Picture No
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		- · · · · · · · · · · · · · · · · · · ·				-
E	vironmental					177
1		drain inlet and	waterway of the U.S. /	Description of one	aditions)	Pieture No
F-1	CANTILLY TO HEATEST	Grant milet allu	waterway of the O.S. /	Description of col	ididolis)	Picture No
		·				
Ac	cess / Safety					17
1	Carrier Character	ible area, Traffic	c level, Strategic impo	rtance to operation	of system)	Picture No

LOCATION SKETCI	LOCATION CRITERIA FORM LOCATION SKETCH BY SANITARY SEWER MANHOLE			Camera No General Picture No Drainage Picture No		
Sewer Lin			Asset #:	1340 1336/ NOTES		
······ Water Line Likely spil	e 💆	▼ Valve > Photo Direction	Completed by: Date:	2011-01-20		
O & M HISTORY	(Applies to manh downstream of m	_	Inspection #: Group Project#:			
LOCATION DESCRIF	TION			···	PRIORITY /	
(Proximity to public fac	cilities, Economic i	mpact, Public hea	th or safety conce	ms)	Picture No.	
Environmental						
(Proximity to nearest of	Irain inlet and water	erway of the U.S. /	Description of con	ditions)	Picture No.	
Access / Safety (Safe, readily accessib	ole area, Traffic lev	el, Strategic impoi	tance to operation	of system)	/ Picture No.	
7		<u>.</u>				

LOCATION SKETCH BY SANITARY	ATION CRITERIA Y SEWER MANHOL		General Picture No. Drainage Picture No.	670
		SLOTT		
37	1320	KIP	Skylin	o &_
Skyview Do LEGEND Sewer Line	Sewer MH	Asset #:	NOTES 42	
· Storm Drain Line ······ Water Line > Likely spill path	□ Drain Inlet ► Valve ► Photo Direction	Completed by: Date:	42 AP- 2011-01-18	
	nhole and segment	Inspection #:_ Group Project#:		
OCATION DESCRIPTION				PRIORIT
Public Impact Proximity to public facilities, Econom	ic impact, Public hea	ilth or safety conce	erns)	/ Picture No.
invironmental				4
Proximity to nearest drain inlet and w	raterway of the U.S.	Description of cor	nditions)	Picture No.
access / Safety Safe, readily accessible area, Traffic	level, Strategic impo	rtance to operation	n of system)	Picture No.

LOCATION CRITERIA FORM LOCATION SKETCH BY SANITARY SEWER MANHOLE			Camera No General Picture No Drainage Picture No	о.	
Sky Line Ra	3		CT		
9 ₹	LEGEND		142	NOTES	
Sewer Lir		Sewer MH	Asset #:	43	
· Storm Dra ····· Water Lin		☐Drain Inlet ►Valve	Completed by:	AR	
Likely spi		➢ Photo Direction	Date:	2011-01-18	
O & M HISTORY	(Applies to	manhole and segment	Inspection #:		
U & MI HISTORI	downstream	n of manhole)	Group Project#:		
LOCATION DESCRI	PTION				PRIORITY
Public Impact					
(Proximity to public fa	icilities, Econ	omic impact, Public hea	alth or safety conce	erns)	Picture No.
					
			· · · · <u> </u>		
Environmental					
		· · ·		***	7 N
(Proximity to nearest	drain inlet an	d waterway of the U.S.	/ Description of co	nditions)	Picture No.
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				<u>.</u> ,	
Access / Safety					
	ihle area Tra	ffic level, Strategic impo	rtance to operation	o of evetom)	Picture No.
(Odio, roddiny doocoo.	Die alea, Tia	ino level, ou atogio impo	itanice to operation	TOT System ;	Ficture No.
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LOCATION CRITER LOCATION SKETCH BY SANITARY SEWER MANHO	Camera No. General Picture No. Drainage Picture No.	840	
7860			
LEGEND Sewer Line Storm Drain Line Water Line Likely spill path Sewer MH Drain Inlet Valve Photo Direction	Asset #: Completed by: Date:	NOTES 45 AA 2011-01-9	
O & M HISTORY (Applies to manhole and segment downstream of manhole)	Inspection #: Group Project#:		
LOCATION DESCRIPTION Public Impact		T	PRIORITY
(Proximity to public facilities, Economic impact, Public he	aith or safety conce	ms) F	icture No.
Environmental (Proximity to nearest drain inlet and waterway of the U.S.	/ Description of con	ditions) P	4 icture No.
Access / Safety (Safe, readily accessible area, Traffic level, Strategic imp	ortance to operation	of system) P	icture No.

LOCATION SKETCH	LOCATION CRITERIA BY SANITARY SEWER MANHOL		Camera No. General Picture No. rainage Picture No.	840
	ath	Asset #: Completed by: Date: Inspection #: Group Project#:	NOTES 41, 2011-01-19	
LOCATION DESCRIPT Public Impact (Proximity to public facil	ION ities, Economic impact, Public heal	th or safety concerns) F	PRIORITY Picture No.
Environmental (Proximity to nearest dra	in inlet and waterway of the U.S. /	Description of condit	ions) P	<i>4</i> icture No.
Access / Safety (Safe, readily accessible	area, Traffic level, Strategic impor	tance to operation of	system) P	4 icture No.

LOCATION CRITERIA LOCATION SKETCH BY SANITARY SEWER MANHOL	Camera No. General Picture No. Drainage Picture No.	840	
LEGEND Sewer Line Storm Drain Line Water Li	Asset #: _ Completed by: _ Date: _ Inspection #: _ Group Project#:	NOTES 47 (AD 2011-01-19	
LOCATION DESCRIPTION Public Impact (Proximity to public facilities, Economic impact, Public hea	Ith or safety concer	ns) Pi	PRIORITY
Environmental (Proximity to nearest drain inlet and waterway of the U.S. /	Description of con	ditions) Pi	4 cture No.
Access / Safety (Safe, readily accessible area, Traffic level, Strategic impo	rtance to operation	of system) Pid	4 cture No.

LOCATION CRITERIA LOCATION SKETCH BY SANITARY SEWER MANHOL		Camera No General Picture No Drainage Picture No).
Sewer Line Storm Drain Line Water Line Water Line Likely spill path Sewer MH Drain Inlet Valve Photo Direction	Asset #: Completed by: Date:	NOTES 48 AN 2011-01-19	
O & M HISTORY (Applies to manhole and segment downstream of manhole)	Inspection #: _ Group Project#:		
LOCATION DESCRIPTION Public Impact (Proximity to public facilities, Economic impact, Public hea	alth or safety conc	erns)	PRIORITY Picture No.
Environmental (Proximity to nearest drain inlet and waterway of the U.S.)	/ Description of co	nditions)	Picture No.
Access / Safety (Safe, readily accessible area, Traffic level, Strategic impo	rtance to operatio	n of system)	Picture No.

		6.0		
27 138	250	July O		
Sewer Line Storm Drain Lin Water Line	Sewer MH Drain Inlet	Asset #:_ Completed by:	NOTES 49	
->> Likely spill path		Date: Inspection #:	2011-01-19	
dow	nstream of manhole)	Group Project#:		
LOCATION DESCRIPTION	V			PRIOR
Public Impact (Proximity to public facilities	s, Economic impact, Public hea	tth or safety conce	ms) F	Picture No
Environmental	inlet and waterway of the 11 C	Deposite of a	adisiono)	<i>y</i> .
(Floximity to nearest drain	nlet and waterway of the U.S. /	Description of cor	iumons) -	Picture No
Access / Safety				4
(Safe, readily accessible are	ea, Traffic level, Strategic impor	tance to operation	of system) P	Picture No

LOCATION SKETC	LOCATION CRITERIA FORM LOCATION SKETCH BY SANITARY SEWER MANHOLE			Camera No General Picture No Drainage Picture No).	
		2876		Holelve	Dr	
		dro AC	es of then to	CB 15' Away		
9X"		#050				
I	LEGEND			NOTES		
Sewer Li	rain Line ne	● Sewer MH ■ Drain Inlet ▶ Valve	Asset #: _ Completed by: _	BK/RM		
O & M HISTORY	(Applies to	➤ Photo Direction manhole and segment of manhole)	Date:_ Inspection #:_ Group Project#:	(-21-11		
LOCATION DESCR	IPTION				PRIOR /	
(Proximity to public f	acilities, Econ	omic impact, Public hea	lth or safety conc	erns)	Picture N	
Environmental					5	
(Proximity to nearest	drain inlet and	d waterway of the U.S.	Description of co	nditions)	Picture No	
Access / Safety					i	
(Safe, readily access	ible area, Traf	fic level, Strategic impo	rtance to operatio	n of system)	Picture No	
			· - ·····			

LOCATION SECTO		CATION CRITERIA RY SEWER MANHOL		General Picture No.	
LOCATION SKETC	H BY SANITAL	KT SEWER MANHOL	.6	Drainage Picture No.	
[28]	86				
				Adeline Dr	
COTP.	#151	> drainsto	way		
	LEGEND			NOTES	
Sewer Lin		Sewer MH	Asset #:	05/	
Storm Dra		☐ Drain Inlet	Completed by:	RM/BK	
Water Line		➤ Valve ➤ Photo Direction	} · · · -	. 70	
->>> Likely spil			Date:	1-21-11	
O & M HISTORY		anhole and segment	Inspection #:_	<u> </u>	
	downstream o	of manhole)	Group Project#:	 :	
			<u></u>		
LOCATION DESCRIP	PTION				PRIORITY
Public Impact	-				
Proximity to public fa	cilities, Econor	nic impact, Public hea	ith or safety conc	erns) [Picture No.
······································		· · · · <u> · · · · - · · · · · ·</u>			
	<u> </u>	· · · · · · · · · · · · · · · · · · ·			
Environmental					5
Proximity to nearest of	frain inlet and	waterway of the U.S. /	Description of co	nditions) F	Picture No.
					
Access / Safety					
Safe, readily accessib	ole area, Traffic	level, Strategic impo	rtance to operation	n of system) P	icture No.
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LOCATION SKETC	LOCATION CRITERIA FORM LOCATION SKETCH BY SANITARY SEWER MANHOLE Drai				
Arbelin Sewer Li	LEGEND	drains to 1'an and 1'	way Asset #:	NOTES CO	
Storm Dr	rain Line ne	☐Drain Infet ►Valve	Completed by:	RM/BK	
O & M HISTORY	· · · · · · · · · · · · · · · · · · ·	➢ Photo Direction anhole and segment of manhole)	Date: Inspection #: Group Project#:	1-21-1	
LOCATION DESCR	IPTION				PRIORITY
Public impact (Proximity to public fa	acilities, Econom	nic impact, Public hea	ith or safety conce	ms)	Picture No.
Environmental (Proximity to nearest	drain inlet and v	vaterway of the U.S. /	Description of cor	nditions)	Picture No.
Access / Safety (Safe, readily access	ible area, Traffic	level, Strategic impor	rtance to operation	of system)	j Picture No.

LOCATION SKETC	LOCATION CRITERIA FORM LOCATION SKETCH BY SANITARY SEWER MANHOLE			Camera No General Picture No Drainage Picture No	o	
Adeline D	r.			ñ		
9 7			drains to			
Sewer Li	rain Line ne ili path	Sewer MH Drain Inlet Valve Photo Direction manhole and segment	Asset #: Completed by: Date: Inspection #:	NOTES 053 PM/BK 1-21-11		
O & M HISTORY		of manhole)	Group Project#:			
LOCATION DESCRIPUBLIC Impact (Proximity to public fi		omic impact, Public hea	alth or safety conc	ems)	PRIO / Picture	
Environmental (Proximity to nearest	drain inlet and	I waterway of the U.S.	/ Description of co	nditions)	S Picture	

LOCATION SKETC	LOCATION	CRITERIA FO ER MANHOLE		Camera No. General Picture No. rainage Picture No.	
Ad	eline Dr.				
34			054 1 C8	sto.	
Sewer Lit Storm Dr. Water Lir Stikely spi	rain Line ☐ Dra	ver MH in Inlet ve to Direction	mpleted by:	NOTES 54 5K/RM -21-11	
O & M HISTORY	(Applies to manhole at downstream of manho		nspection #:		
LOCATION DESCRI Public Impact (Proximity to public fa	IPTION acilities, Economic impac	xt, Public health or	safety concerns	3)	PRIORITY / Picture No.
Environmental (Proximity to nearest	drain inlet and waterway	of the U.S. / Des	cription of condit	ions)	SPicture No.
Access / Safety (Safe, readily accessi	ible area, Traffic level, S	trategic importanc	e to operation of	system)	<i>j</i> Picture No.

LOCA LOCATION SKETCH BY SANITARY	TION CRITERIA FO	Gen	Camera No. eral Picture No. age Picture No.	<i>9</i> 85
->> Likely spill path	➤ Photo Direction nole and segment	Asset #: 055 mpleted by: PM / Date: 1-21 inspection #: up Project#:	IOTES	
LOCATION DESCRIPTION Public impact (Proximity to public facilities, Economic	impact, Public health o	r safety concerns)	F	PRIORITY / Picture No.
Environmental (Proximity to nearest drain inlet and wa	terway of the U.S. / Des	scription of conditions) F	Sicture No.
Access / Safety (Safe, readily accessible area, Traffic le	vel, Strategic importan	ce to operation of sys	lem) P	/ licture No.

LOCATION CRITERIA LOCATION SKETCH BY SANITARY SEWER MANHOL		Camera No General Picture No Drainage Picture No	o
Adeline 2938 Hill	Icrest Dr		
LEGEND		NOTES	Cos Pobles
Sewer Line Sewer MH	Asset #:	1256	
Storm Drain Line ☐ Drain Inlet ☐ Walve	Completed by:	PH/BK	
→ Sikely spill path > Photo Direction	Date:	1-19-11	
(Applies to manhole and segment	inspection #: _		
O & M HISTORY downstream of manhole)	Group Project#:		
			. =
LOCATION DESCRIPTION			PRIORITY
Public Impact			1
(Proximity to public facilities, Economic impact, Public hea	ilth or safety conce	erns)	Picture No.
		· · · · · · · · · · · · · · · · · · ·	
Environmentai			4
(Proximity to nearest drain inlet and waterway of the U.S. I	/ Description of cor	nditions)	Picture No.
			
Access / Safety			
(Safe, readily accessible area, Traffic level, Strategic impo	rtance to operation	n of system ;	Picture No.
			+

LOCATION CRITERIA FO	ORM Camera No. General Picture No. Drainage Picture No.
Adeline Dr.	
	not on ma
97	[2895] > not on ma
1	noted & Co. but noted & Co. but actually MH [2392] > Hillside D
LEGEND Sewer Line Sewer MH Drain Inlet Valve Likely spill path Sewer MH Drain Inlet Valve Photo Direction	Asset #: 05% ompleted by: PM /BM Date: -26-
O & M HISTORY (Applies to manhole and segment	Inspection #:
LOCATION DESCRIPTION	PRIOF
Public Impact (Proximity to public facilities, Economic Impact, Public health of	or safety concerns) Picture N
Environmental	4
(Proximity to nearest drain inlet and waterway of the U.S. / De	scription of conditions) Picture N
Access / Safety	

LOCATION S	LOCATION CRITERIA FORM DOCATION SKETCH BY SANITARY SEWER MANHOLE			General Picture N	
Hillside	Dr				
9 7	100 #058 #058	Overes 51 away			
Sto	LEGEND wer Line orm Drain Line	Sewer MH	Asset #:	NOTES OS8 PM/BK	
	URT	➤ Valve		1-20-11	
LOCATION DI					PRIORITY
1		omic impact, Public hea	ith or safety conc	erns)	Picture No.
Environmenta (Proximity to ne		d waterway of the U.S. /	Description of co	enditions)	S Picture No.
Access / Safet	-	ffic level, Strategic Impo	rtance to operatio	n of system)	/ Picture No.

LOCATION CRITERIA FORM LOCATION SKETCH BY SANITARY SEWER MANHOLE	Camera No. General Picture No. Drainage Picture No.	
Hillside Dr. 129001 # 061	S:	
	NOTES : 061 : BK-/PM : 1-19-11	
O & M HISTORY (Applies to manhole and segment downstream of manhole) Inspection #	•	
LOCATION DESCRIPTION Public Impact (Proximity to public facilities, Economic impact, Public health or safety con	icerns)	PRIORITY / Picture No.
Environmental (Proximity to nearest drain inlet and waterway of the U.S. / Description of o	conditions)	Picture No.
Access / Safety (Safe, readily accessible area, Traffic level, Strategic importance to operat	ion of system)	/ Picture No.

LOCATION SKET		CATION CRITERIA RY SEWER MANHOL		Camera No. General Picture No. Drainage Picture No.	
Sewer I	LEGEND Line Drain Line	Sewer MH Drain inlet	Asset #: Completed by:	NOTES O6:2 RK/RIM	
→ Water L		➤ Valve	· ·	1-20-11	
O & M HISTORY	/Applies to m	nanhole and segment	Inspection #: Group Project#:		
LOCATION DESCR	RIPTION				PRIORITY
Public Impact					1
(Proximity to public	facilities, Econo	mic impact, Public hea	ith or safety conc	erns)	Picture No.
Environmental					5
(Proximity to neares	t drain inlet and	waterway of the U.S.	Description of co	onditions)	Picture No.
Access / Safety					1
(Safe, readily acces	sible area, Traffi	c level, Strategic impo	rtance to operatio	n of system)	Picture No.

LOCATION CRITERIA LOCATION SKETCH BY SANITARY SEWER MANHOL		Camera No. General Picture No. Drainage Picture No.	840
107 109	7		
los hobbes			0
LEGEND Sewer Line Sewer MH Storm Drain Line Water Line Valve	Asset #:_ Completed by:	NOTES 63 AX	
→ Likely spill path	Date: Inspection #: Group Project#:	2011-01-25	
LOCATION DESCRIPTION Public Impact (Proximity to public facilities, Economic impact, Public hea	lith or safety conce	rns) P	PRIORITY 1 icture No.
Environmental (Proximity to nearest drain inlet and waterway of the U.S. /	Description of con	ditions) P	4. icture No.
Access / Safety (Safe, readily accessible area, Traffic level, Strategic impo	rtance to operation	of system) Pi	y cture No.

9	General Pictu			Camera No. General Picture No. Drainage Picture No.	840
	Hillside 107/109/115				
	97	Los Robies			
	LEGEN Sewer Line Storm Drain Line Water Line	Sewer MH Drain Inlet Valve	Asset #:_ Completed by:_	NOTES 64	
	U & M HISTORY	➤ Photo Direction o manhole and segment am of manhole)	Date: _ Inspection #: _ Group Project#:	2011-01-25	
Ī	LOCATION DESCRIPTION Public Impact Proximity to public facilities, Eco	nomic impact. Public hea	Ith or safety conce	rns)	PRIORITY
	Environmental				
- 1	Proximity to nearest drain inlet a	nd waterway of the U.S. /	Description of cor	ditions) P	icture No.
- 1	Access / Safety Safe, readily accessible area, Tr	affic level, Strategic impor	tance to operation	of system) P	4 icture No.
	-				

LOCATION SKETC	LOCATION CRITERI		Camera No. General Picture No. Drainage Picture No.	340
	816	id hawkin		
257			2860 plane	56
'	LEGEND		Ader	
Sewer Lin	LEGEND ne Sewer MH	Asset #:	NOTES	
Storm Dr	ain Line Drain Inlet	Completed by:	65	
····· Water Lir		Date:	AR 2011-01-19	
	(Applies to manhole and segment	inspection #:	W/1-01-19	
O & M HISTORY	downstream of manhole)	Group Project#:		
LOCATION DESCRI	PTION			PRIORITY
Pubilc Impact				7
(Proximity to public fa	acilities, Economic impact, Public hea	alth or safety conce	ms) F	Picture No.
Environmental				
	drain inlet and waterway of the U.S.	/ Description of cor	ditions)	Picture No.
At Tovilling to Healest	Grant fillet affu waterway of the O.S.	Description of COL	IQIBOTIS) F	icture NO.
Access / Safety				4
(Safe, readily accessi	ble area, Traffic level, Strategic impo	rtance to operation	of system) P	icture No.
		.		——

LOCATION CRITER LOCATION SKETCH BY SANITARY SEWER MANHO	-	Camera No. General Picture No. Drainage Bisture No.	340
LOCATION SKETCH BY SANITAKY SEWER MANAG)LE	Drainage Picture No.	
LEGEND Sewer Line Sewer MH Sewer MH Drain Inlet Water Line Valve Hikely spill path Photo Directio	Asset #: Completed by: Date:	150 056	
O & M HISTORY (Applies to manhole and segmen	Inspection #:		
downstream of manhole)	Group Project#:		
LOCATION DESCRIPTION			PRIORITY
Public impact			
(Proximity to public facilities, Economic impact, Public he	ealth or safety conc	erns) F	Picture No.
Environmental			И
(Proximity to nearest drain inlet and waterway of the U.S	. / Description of co	onditions) P	ricture ^l No.
Access / Safety			4
(Safe, readily accessible area, Traffic level, Strategic imp	ortance to operation	on of system)	icture No.

LOCATION CRITERIA FO	General Picture No.	
LOCATION SKETCH BY SANITARY SEWER MANHOLE	General Picture No. Drainage Picture No.	
LEGEND Sewer Line Sewer MH Drain Inlet Water Line Likely spill path Co	NOTES Asset #: 67 pmpleted by: AR Date: 28/1-0/-19	
I Cam his lock	nspection #: up Project#:	
LOCATION DESCRIPTION Public Impact (Proximity to public facilities, Economic Impact, Public health or	r safety concerns)	PRIORITY / Picture No.
Environmental (Proximity to nearest drain inlet and waterway of the U.S. / Des	ecription of conditions)	Picture No.
Access / Safety (Safe, readily accessible area, Traffic level, Strategic importance)	e to operation of system)	icture No.

LEGEND Sewer Line Sewer Line Water Line Water Line Water Line Photo Direction O & M HISTORY (Applies to manhole and segment downstream of manhole) LOCATION DESCRIPTION Public Impact (Proximity to public facilities, Economic impact, Public health or safety concerns) Pricture No. Picture No. Access / Safety Safe, readily accessible area, Traffic level, Strategic importance to operation of system) Picture No.	ر (LOCATION CRITERI		Camera No General Picture No Drainage Picture No	
The storm Drain Line		LEGEND	A STATE OF THE STA		
Valer Line		Storm Drain Line	-		
O & M HISTORY (Applies to manhole and segment downstream of manhole) LOCATION DESCRIPTION Public Impact (Proximity to public facilities, Economic impact, Public health or safety concerns) Picture No. Environmental (Proximity to nearest drain inlet and waterway of the U.S. / Description of conditions) Picture No. Access / Safety	-		1 -	The second secon	
LOCATION DESCRIPTION Public Impact (Proximity to public facilities, Economic impact, Public health or safety concerns) Picture No. Environmental (Proximity to nearest drain inlet and waterway of the U.S. / Description of conditions) Picture No. Access / Safety		(Applies to menhale and comment	Inspection #:		
Public Impact (Proximity to public facilities, Economic impact, Public health or safety concerns) Picture No. Environmental (Proximity to nearest drain inlet and waterway of the U.S. / Description of conditions) Picture No. Access / Safety	-		Group Project#:		
Public Impact (Proximity to public facilities, Economic impact, Public health or safety concerns) Picture No. Environmental (Proximity to nearest drain inlet and waterway of the U.S. / Description of conditions) Picture No. Access / Safety		OCATION DESCRIPTION			DDIADIT
Environmental (Proximity to nearest drain inlet and waterway of the U.S. / Description of conditions) Picture No. Access / Safety	_				1 document
(Proximity to nearest drain inlet and waterway of the U.S. / Description of conditions) Picture No. Access / Safety	Œ	roximity to public facilities, Economic impact, Public hea	alth or safety conce	erns)	Picture No.
(Proximity to nearest drain inlet and waterway of the U.S. / Description of conditions) Picture No. Access / Safety	E				
(Proximity to nearest drain inlet and waterway of the U.S. / Description of conditions) Picture No. Access / Safety	E	nvironmental			7)
Access / Safety		1.00	/ Description of cor	nditions)	Picture No.
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	General Pictur			Camera No. General Picture No. Drainage Picture No.	840	
			1856	735		
0	Sewer Li		Ade Sewer MH	Asset #:	NOTES 69	
7	Storm Dr Water Lir	ne	☐ Drain Inlet ✓ Valve > Photo Direction	Completed by:	DD 28/1-61-19	
	O & M HISTORY		nanhole and segment of manhole)	Inspection #: _ Group Project#:		
Ī	OCATION DESCRI Public Impact Proximity to public fa		omic impact, Public hea	Ith or safety conce	rns) P	PRIORITY icture No.
	n viro n mental Proximity to nearest	drain inlet and	waterway of the U.S. /	Description of con	ditions) Pi	cture No.
	ccess / Safety Safe, readily accessi	ble area, Traff	ic level, Strategic impor	tance to operation	of system) Pid	H cture No.

BlockWauP Life Asset #: C70 Care C	Loc	ATION SKETI		CATION CRITERIA		Camera N Generat Picture N Drainage Picture N	
LEGEND Sewer Line Sewer MH Storm Drain Line Water Line Likely spill path Dean Indet Dean Indet Water Line Likely spill path Dean Indet Dean Indet More Likely spill path Dean Indet More Likely spill path Dean Indet Dean	200	TION SKET	OH DI GAMIA)	I PLAY KINGUP	Diamage Ficture r	10.1
LEGEND Sewer Line Sewer MH Storm Drain Line Water Line	A	deline De	(Ln.	į.	
Sewer Line Storm Drain Line Drain Inlet Water Line Water Line Drain Inlet Drain Inlet Drain Inlet Drain Inlet Drain Inlet Drain Inlet Drain Inlet Drain Inlet Drain Inlet Drain Inlet Drain Inlet Drain Inlet Drain Inlet Drain Inlet Drain Inlet Drain Inlet Date: 1-21-// Inspection #: Group Project#: LOCATION DESCRIPTION Public Impact (Proximity to public facilities, Economic impact, Public health or safety concerns) Pricture No Environmental (Proximity to nearest drain inlet and waterway of the U.S. / Description of conditions) Access / Safety	\$\frac{1}{4}			#0	one drain	rs fr C&G	
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Access / Safety	Enviro	nmental					5
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Sare, readily accessible area, Traffic level, Strategic importance to operation of system) Picture No.		·					/ / · · · · · · · ·
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LOCATION SKETO	LOCATION CRITERS CH BY SANITARY SEWER MANHO		Camera No. General Picture No. Drainage Picture No.	_3 %
€	Vista	#071/	124	
9 7	LEGEND		NOTES	
Sewer Li Storm Di Water Li Likely sp	rain Line Drain Inlet ne Valve	Asset #:	971 2M/BK 1-24-11	
O & M HISTORY	(Applies to manhole and segment downstream of manhole)	┪ —	-	
LOCATION DESCR Public Impact (Proximity to public for	IPTION acilitles, Economic impact, Public he	alth or safety concern	s) F	PRIOF
Environmental	drain inlet and waterway of the U.S.	/ Description of condi	itions) P	5 Picture N
(Proximity to nearest				

	LOCATION CRITERIA FO	Camera No General Picture No Drainage Picture No)
	285	18	ST.
0	LEGEND Sewer Line Storm Drain Line Water Line Co	NOTES Asset #: 72 mpleted by:	
	downstream of manhole) Grou	Date: 2011-01-19 aspection #: up Project#:	
	LOCATION DESCRIPTION Public Impact (Proximity to public facilities, Economic impact, Public health or	safety concerns)	PRIORITY Picture No.
	Environmental (Proximity to nearest drain inlet and waterway of the U.S. / Des	cription of conditions)	4 Picture No.
	Access / Safety Safe, readily accessible area, Traffic level, Strategic importance	e to operation of system)	Picture No.
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LOCATION CRITERIA FORM LOCATION SKETCH BY SANITARY SEWER MANHOLE	Camera No. General Picture No. Drainage Picture No.	840
St Mark 8		
LEGEND	NOTES	
Sewer Line Sewer MH Asset #:	73	
─────────────────────────────────────	AR	
Likely spill path Photo Direction Date:	2011-01-19	
O & M HISTORY (Applies to manhole and segment Inspection #: downstream of manhole) Group Project#:		
LOCATION DESCRIPTION		PRIORITY
Public impact		4
(Proximity to public facilities, Economic impact, Public health or safety conce	ms) F	icture No.
Environmental		4
(Proximity to nearest drain inlet and waterway of the U.S. / Description of con	iditions) P	icture No.
Access / Safety		4
(Safe, readily accessible area, Traffic level, Strategic importance to operation	or system) P	icture No.

0	LOCATION CRITERIA LOCATION SKETCH BY SANITARY SEWER MANHOL	Gene	Camera No. \$90 eral Picture No. age Picture No.
9	LEGEND Sewer Line Sewer MH Drain Inlet Water Line Water Line Water Line Drain Control Valve Photo Direction	Adeling Asset #: Completed by:	OTES 74 AL 4-01-19
	O & M HISTORY (Applies to manhole and segment downstream of manhole)	Inspection #: Group Project#:	
	LOCATION DESCRIPTION Public Impact (Proximity to public facilities, Economic impact, Public hea	elth or safety concerns)	PRIORITY { Picture No.
	Environmental (Proximity to nearest drain inlet and waterway of the U.S.)	/ Description of conditions)	Picture No.
100	Access / Safety (Safe, readily accessible area, Traffic level, Strategic impo	rtance to operation of syste	em) Picture No.
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LOCATION SKETO	CH BY SANITA	CATION CRITERI RY SEWER MANHO		Camera N General Picture N Drainage Picture N	
	12842 7 d	to raise			
				Adelin	e Dr
X					
	LEGEND			NOTES	
Sewer Li	ine	Sewer MH	Asset #:	075	
Storm Dr		Drain Inlet ✓ Valve	Completed by:	BK/RM	
->-> Likely sp		➢ Photo Direction	Date:	1-21-11	
O & M HISTORY	(Applies to m	anhole and segment	Inspection #:		
	downstream	of manhole)	Group Project#:		*
LOCATION DESCR	IPTION				PRIOR
Public Impact					1
(Proximity to public fa	acilities, Econor	mic impact, Public hea	alth or safety conc	erns)	Picture No
Environmental					5
(Proximity to nearest	drain inlet and	waterway of the U.S.	/ Description of co	enditions)	Picture No
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Access / Safety	ihle area Traffi	c level, Strategic Impo	ortance to operation	in of system)	Picture No

LOCATION SKET		OCATION CRITERIA TARY SEWER MANHOL		Camera N General Picture N Drainage Picture N	0.
Addine Dr				2	
587		#07b drains	to CSE		
Sewer L Storm D Water Li	rain Line ne	Sewer MH Drain Inlet Valve Photo Direction	Asset #: _ Completed by: _ Date:	NOTES 076 PM/BK 1-21-11	
O & M HISTORY	*	manhole and segment m of manhole)	inspection #: _ Group Project#:		
LOCATION DESCR Public Impact (Proximity to public I	······································	nomic impact, Public hea	alth or safety conce	erns)	PRIOF / Picture N
Environmental (Proximity to nearest	drain inlet an	nd waterway of the U.S.	/ Description of co	nditions)	S Picture N
Access / Safety (Safe, readily access	ible area, Tra	ffic level, Strategic impo	rtance to operation	n of system)	/ Picture N

LOCATION SKETC		CATION CRITERIA RY SEWER MANHOL		Camera No General Picture No Drainage Picture No	
		Hilside Dr.			
		11/2000 11			
			×17	15	
				to C&b	
N			2765		4
8					i
	LEGEND			NOTES	
Sewer Lin		Sewer MH Drain Inlet	Asset #:_	77	
······ Water Lin		✓Valve	Completed by: _	RM/BR	
->-> Likely spi	ll path	➢ Photo Direction	Date:_	1-19-//	
O & M HISTORY	(Applies to m downstream	anhole and segment of manhole)	Inspection #: _ Group Project#:		
LOCATION DESCRI Public Impact	PTION				PRIORITY
•	acilities, Econor	mic impact, Public hea	alth or safety conce	erns)	Picture No.
Environmental					Ц
(Proximity to nearest	drain inlet and	waterway of the U.S.	/ Description of co	nditions)	Picture No.
Access / Safety					
(Safe, readily accessi	ible area, Traffi	c level, Strategic impo	rtance to operation	n of system)	Picture No.

LOCATION CRITERIA LOCATION SKETCH BY SANITARY SEWER MANHOLE	General Picture No.	<i>X</i> 85
Adeline Dr.		
	35	
	D#078	
CBnot drains	to Clo channel	.*
LEGEND	NOTES	
Sewer Line Sewer MH Drain Inlet Water Line Likely spill path Sewer MH Drain Inlet Valve Photo Direction	Asset #: 078 Completed by: 2M/8K Date: 1-21-11	
O & M HISTORY (Applies to manhole and segment downstream of manhole)	Inspection #: Group Project#:	
LOCATION DESCRIPTION Public impact		PRIORITY
(Proximity to public facilities, Economic Impact, Public heal	th or safety concerns) Pi	cture No.
Environmental		5
(Proximity to nearest drain inlet and waterway of the U.S. /	Description of conditions)	cture No.
Access / Safety		/
(Safe, readily accessible area, Traffic level, Strategic import	lance to operation of system) Pie	cture No.
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LOCATION CRITERIA FORM General Picture N	
LOCATION SKETCH BY SANITARY SEWER MANHOLE Drainage Picture N	
Adeline Dr. Adeline Dr. Adeline Dr. Adeline Dr. Adeline Dr. Adeline Dr. Adeline Dr. Adeline Dr. Adeline Dr. Adeline Dr. Adeline Dr. Adeline Dr. Adeline Dr.	
LEGEND Sewer Line Sewer MH Se	
LOCATION DESCRIPTION Public impact (Proximity to public facilities, Economic impact, Public health or safety concerns)	PRIORITY / Picture No.
Environmenta! (Proximity to nearest drain inlet and waterway of the U.S. / Description of conditions)	Picture No.
Access / Safety (Safe, readily accessible area, Traffic level, Strategic importance to operation of system)	Picture No.

	LC	CATION CRITERI	A FORM	Camera No.	<u> 885</u>
LOCATION SKETC	H BY SANIT	ARY SEWER MANHO	LE	General Picture No. Drainage Picture No.	
	LEGEND ne ain Line e I path (Applies to r	Sewer MH Drain Inlet Valve Photo Direction manhole and segment of manhole)	Asset #: Completed by: Date: Inspection #: Group Project#:	NOTES BY PM	
Environmental	cilities, Econo	omic impact, Public hea			PRIORIT L icture No.
Access / Safety (Safe, readily accessib	ie area, Traffi	ic level, Strategic impor	tance to operation (of system) Pi	ture No.

LOCATION SKETCH	BY SANITARY SEWER MANHOLE	General Picture No. Drainage Picture No.	
	tilside Dr		
		я	
	# 087	to C&G	
37	2879		
Sawar Line	LEGEND Sewer MH Ass	NOTES	
Sewer Line Storm Drai Water Line Likely spill	n Line ☐ Drain Inlet ☐ Completed	set #: <u>087</u> d by: <u>BK/RM</u> Date: 1-19-11	
O & M HISTORY	(Applies to manhole and segment Inspection downstream of manhole) Group Projection	on #:	
LOCATION DESCRIP	TION		PRIO
Public impact (Proximity to public fac	cilities, Economic impact, Public health or safety	concerns) F	/ Picture I
Environmental			4
(Proximity to nearest d	rain inlet and waterway of the U.S. / Description	of conditions) P	Picture I
Access / Safety (Safe, readily accessib	le area, Traffic level, Strategic importance to op	peration of system) P	icture l
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LOCATION CRITERIA FO LOCATION SKETCH BY SANITARY SEWER MANHOLE	General Picture No. Drainage Picture No.
Hillarest Dr. (2888) # 083	201 to catch basin
LEGEND Sewer Line Storm Drain Line Drain Inlet Water Line Valve	NOTES Asset #: 083 mpleted by: BK /RM
→ Likely spill path Photo Direction O & M HISTORY (Applies to manhole and segment)	Date: - 9 - / inspection #: up Project#:
LOCATION DESCRIPTION Public Impact (Proximity to public facilities, Economic impact, Public health or	PRIORIT / safety concerns) Picture No.
Environmental (Proximity to nearest drain inlet and waterway of the U.S. / Desi	cription of conditions) Cription of conditions Picture No.
Access / Safety (Safe, readily accessible area, Traffic level, Strategic importance	e to operation of system) Picture No.

LOCATION CRITERIA FORM LOCATION SKETCH BY SANITARY SEWER MANHOLE	Camera No. General Picture No. Drainage Picture No.	
Hillcrest Dr		
	87	
2891	84 > 1' to C&G	**
Storm Drain Line ☐ Drain Inlet Complete		
O & M HISTORY (Applies to manhole and segment downstream of manhole) Croup Projection Inspection Group Projection		
LOCATION DESCRIPTION Public Impact		PRIORITY
(Proximity to public facilities, Economic impact, Public health or safety	concerns)	Picture No.
Environmental (Proximity to nearest drain inlet and waterway of the U.S. / Description	n of conditions)	Picture No.
Access / Safety (Safe, readily accessible area, Traffic level, Strategic importance to op	eration of system)	/ Picture No.

	LUCA	TION CRITERI	A FORM	General Pictu	ra No.
LOCATION SKET	CH BY SANITARY	SEWER MANHO	<u>.E</u>	Drainage Pictu	
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1				la.	
Newton	Dr.		d	rains to	
			7	Ca	
			(1) # 029	5	
			# 08°		
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1 1					
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	LEGEND			NOTES	
Sewer		Sewer MH Drain Inlet	Asset #:	025	
······ Water L	ine Þ	▼ Valve	Completed by:		
->> Likely s	pill path 3	> Photo Direction	Date:	1-20-11	
O & M HISTORY		15	inspection #:_		
	downstream of m	anhole)	Group Project#:		
	•		<u></u>		
LOCATION DESCI	PIDTION				
Public Impact	GFIIOA	- · · · -			PR
•	facilities, Economic	mpact. Public hea	Ith or safety conc	ems)	Pictu
Environmental					
	t drain inlet and wate	erway of the U.S.	Description of co	nditions)	Pictur
	t drain inlet and wate	erway of the U.S.	Description of co	nditions)	Pictur
	t drain inlet and wat	erway of the U.S.	Description of co	nditions)	Pictur
(Proximity to neares	t drain inlet and wat	erway of the U.S. i	Description of co	nditions)	Pictur
(Proximity to neares	t drain inlet and wate				Pictur

LOCATION CRITERIA	FORM	Camera No. General Picture No.	
LOCATION SKETCH BY SANITARY SEWER MANHOLE		Drainage Picture No.	
2888 2890	Campon Bd		
LECEND		NOTES	
LEGEND Sewer Line Sewer MH	Asset #:	NOTES をある	
· Storm Drain Line ☐ Drain Inlet		10	
Water Line Valve	Completed by:	HK_	
→ Likely spill path > Photo Direction		2011-01-25	
O & M HISTORY (Applies to manhole and segment	Inspection #:	 -	
downstream of manhole)	Froup Project#:		<u>-</u> -
MH88 Fayled Collapse +	motted o	24 WILL DVC	Sine
above ground re-route flow			•
LOCATION DESCRIPTION			PRIORITY
Public Impact	· · · · · · · · · · · · · · · · · · ·		11!
(Proximity to public facilities, Economic impact, Public healt	h or safety concer	ns)	Picture No.
Environmental			4
(Proximity to nearest drain inlet and waterway of the U.S. / I	Description of con	litions)	Picture No.
Access / Safety			4
(Safe, readily accessible area, Traffic level, Strategic import	ance to operation	of system)	Picture No.

	LOCATION CRITERIA	A FORM G	Camera No. eneral Picture No.	885
LOCATION SKETCH	I BY SANITARY SEWER MANHOL		sinage Picture No.	
Newton Dr.		1120 1120	draws to an	Jory
27				*
	LEGEND		NOTES	
Sewer Line	Sewer MH	Asset #: /		
Storm Drai		Completed by: R	,	
······ Water Line → ➤ Likely spiil		1 1 1 1 1 1 1	20-11	
	· · · · · · · · · · · · · · · · · · ·		ZU [[
OEMINISION	(Applies to manhole and segment	Inspection #:		
	downstream of manhole)	Group Project#:		
	 			
LOCATION DESCRIP	TION			
Public impact	INI			PRIORITY /
• • • • • • • • • • • • • • • • • • • •	ilities, Economic impact, Public hea	ith or safety concerns)		Picture No.
to committee passes lac	miles, Economic impact, i abile flee	or outery concerns		ioldie IVO.
Environmental				5
(Proximity to nearest de	rain inlet and waterway of the U.S.	Description of conditio	ns) F	icture No.
Acces / Sefet:				
Access / Safety	la anna Tankka lavel Oktoberte t	da4		4
Sare, readily accessibl	e area, Traffic level, Strategic impo	nance to operation of s	ystem) P	icture No.
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LOCATION SKETC	LOCATION CRITERI		Camera No. General Picture No. Drainage Picture No.		
Newton Dr	·.	Draws to Co	B 1		
ST.		[131]			
Sewer Lir Storm Dr. Water Lir Stork Water Lir	aln Line Drain Inlet ne WValve		NOTES 0)90 PM/BK- 1-20-11		
O & M HISTORY	(Applies to manhole and segment downstream of manhole)	Inspection #:	20-11		
LOCATION DESCRI	PTION cilitles, Economic impact, Public hea	alth or safety concern	s)	PRIORITY / Picture No.	
Environmental					
	drain inlet and waterway of the U.S.	/ Description of condi	tions) F	Picture No.	
Access / Safety (Safe, readily accessil	ble area, Traffic level, Strategic impo	rtance to operation o	f system) P	icture No.	
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LO LOCATION SKETCH BY SANITA	CATION CRITERIA		Camera No. General Picture No. Drainage Picture No.	285
Newton Dr.		drains of to C. &	G-50'3 CB	
		# 091		
				s
97 ★		135		
LEGEND			NOTES	
Sewer Line	Sewer MH	Asset #:	091	
Storm Drain Line Water Line	☐ Drain Inlet	Completed by:	BK/RM	
Likely spill path	▶ Valve ▶ Photo Direction	Date:	1-20-11	
O & M HISTORY (Applies to n	nanhole and segment	inspection #:		
	of manhole)	Group Project#:		
				<u>U</u>
LOCATION DESCRIPTION				PRIORITY
Public Impact			,	1
(Proximity to public facilities, Econo	mic impact, Public neal	in or satety concei	ms)	Picture No.
		·····		
Environmental				5
(Proximity to nearest drain inlet and	waterway of the U.S. /	Description of con	ditions)	icture No.
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Access (Cofety				
Access / Safety	in laval. Observate territoria	44	-f	1
(Safe, readily accessible area, Traff	ic ievei, Strategic impor	tance to operation	or system) F	icture No.
				
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	LOCATION CRITERIA LOCATION SKETCH BY SANITARY SEWER MANHOL		Camera No. General Picture No. Drainage Picture No.	840
	131 Newton of 1214	yon Ed		
)	Sewer Line Sewer MH Sewer MH Drain Inlet Water Line Valve	Asset #:_ Completed by:	NOTES 9Z AR	
	O & M HISTORY (Applies to manhole and segment downstream of manhole)	Date: _ inspection #: _ Group Project#:	2011-01-20	
F	OCATION DESCRIPTION Public Impact Proximity to public facilities, Economic impact, Public hea	lth or safety conce	erns) F	PRIORIT
	invironmental Proximity to nearest drain inlet and waterway of the U.S.	Description of cor	nditions) P	4 icture No.
- 1	ccess / Safety Safe, readily accessible area, Traffic level, Strategic impo	rtance to operation	of system) P	H icture No.

LOCATION CRITE LOCATION SKETCH BY SANITARY SEWER MAN		Camera No. General Picture No. Drainage Picture No.	<i>8</i> 85
	2844		
2			
Hillside Dr.	1' CKG # 093		
LEGEND Sewer Line Sewer MH Drain Inlet Water Line Valve Likely spill path O & M HISTORY LEGEND Sewer MH Drain Inlet Valve Photo Direction (Applies to manhole and segment downstream of manhole)		NOTES 093 LM/B/C 1-19-11	
LOCATION DESCRIPTION Public Impact (Proximity to public facilities, Economic impact, Public h	ealth or safety concen		PRIORITY 3 cture No.
Environmental Proximity to nearest drain inlet and waterway of the U.S	. / Description of cond	ditions) Pic	4 ture No.
Access / Safety Safe, readily accessible area, Traffic level, Strategic imp	ortance to operation o	of system) Pict	ure No.

LOCATION CRITERIA FORM LOCATION SKETCH BY SANITARY SEWER MANHOLE	Camera No. General Picture No. Drainage Picture No.	885
Fire Dept #35	Hillside yr	
Sewer Line Sewer MH Asset #: Drain Inlet	NOTES O94 1-19-11	
LOCATION DESCRIPTION Public Impact (Proximity to public facilities, Economic impact, Public health or safety concern		PRIORITY dure No.
Environmental (Proximity to nearest drain inlet and waterway of the U.S. / Description of condi	tions) Pict	У ure No.
Access / Safety Safe, readily accessible area, Traffic level, Strategic importance to operation of	f system) Pictr	ure No.

Dewton Dr.	General Pictor Drainage Pictor drains to: C+G-H-G # 69	
	drains to: C+G-4-09	CB Not Visi
	115	
LEGEND Sewer MH Drain Inlet	NOTES Asset #: 095	
path	Date: /- 20-//	
(Applies to manhole and segment downstream of manhole)	Inspection #: Group Project#:	
TION		PRI
ilitles, Economic impact, Public hea	Ith or safety concerns)	Pictur
ain inlet and waterway of the U.S. /	Description of conditions)	Picture
e area. Traffic level. Strategic impo	tance to operation of system)	Picture
	Sewer MH In Line Drain Inlet Valve Photo Direction (Applies to manhole and segment downstream of manhole) THON Illities, Economic impact, Public hea	LEGEND Sewer MH Line Drain Inlet Valve path Photo Direction (Applies to manhole and segment downstream of manhole) NOTES Completed by: PM / BK / Date: /-20-// Inspection #: Group Project#:

LOCATION CRITERIA FORM LOCATION SKETCH BY SANITARY SEWER MANHOLE	Camera No. General Picture No. Drainage Picture No.	885
2825 2825	to guiter trains to Hillside CBQ 1303 Hillside	Dr
LEGEND Sewer Line Sewer MH Asset Drain Inlet Water Line Valve → Likely spill path Completed b Photo Direction Date	e: 1-19-11	
O & M HISTORY (Applies to manhole and segment Inspection downstream of manhole) Group Projects		
LOCATION DESCRIPTION Public Impact	F	PRIORITY
(Proximity to public facilities, Economic impact, Public health or safety co	ncerns) Pic	ture No.
Environmental (Proximity to nearest drain inlet and waterway of the U.S. / Description of	conditions) Pict	y ure No.
Access / Safety Safe, readily accessible area, Traffic level, Strategic importance to operat	ion of system)	
y	Picti	ure No.

LOCATION SKETCH BY SANITA	OCATION CRITERIA ARY SEWER MANHOL		Camera No. General Picture No. Drainage Picture No.	
	2	870 F		
LEGEND Sewer Line Storm Drain Line Water Line	Sewer MH Drain Inlet Valve	Asset #: Completed by:	NOTES 98	
I O a m nistort	➢ Photo Direction manhole and segment of manhole)	Date: Inspection #: Group Project#:	2011-01-20	
LOCATION DESCRIPTION				PRIOR
Public Impact (Proximity to public facilities, Econo	omic impact, Public hea	Ith or safety conce	ms) F	Picture N
Environmental (Proximity to nearest drain inlet and	d waterway of the U.S. /	Description of cor	nditions) F	나 Picture N
Access / Safety	fie level Strategie in a	topoo to constitue	of ountern)	4
(Safe, readily accessible area, Traf	fic level, Strategic impor	tance to operation	of system) P	icture I

2870		
201		
20		
Asset #:Completed by:	99 AL	
Inspection #:	7011-01-10	
th or safety conce	ms) P	PRIOR
Description of con	ditions) Pi	Cture No
tance to operation	of system)	4 cture No
	Completed by: Date: Inspection #: Group Project#: Ith or safety conce	NOTES Asset #: 99 Completed by: AL Date: 20(1-01-20) Inspection #: Group Project#: Ith or safety concerns) Pescription of conditions) Pi

LOCATION CRITERIA FORM	General Picture No	
LOCATION SKETCH BY SANITARY SEWER MANHOLE	Drainage Picture No).
2872 2870 Canyon		
LEGEND	NOTES	
_	set #: /06	-
Storm Drain Line ☐ Drain Inlet Complete ☐ Complete	ed by: AR	
→ ➤ Likely spill path ➤ Photo Direction	Date: 2011-01 - 20	
O & M HISTORY (Applies to manhole and segment Inspect		
downstream of manhole) Group Pro	ject#:	
unable to open MH100 due -	to large cactus:	Steep
LOCATION DESCRIPTION Slope		PRIORITY
Public Impact		
(Proximity to public facilities, Economic impact, Public health or safety	y concerns)	Picture No.
		1
Environmental	·· ·	4
(Proximity to nearest drain inlet and waterway of the U.S. / Descriptio	n of conditions)	Picture No.
Access / Safety		4
Safe, readily accessible area, Traffic level, Strategic importance to o	peration of system)	Picture No.

LOCATION SKETCH BY SAN	LOCATION CRITERIA ITARY SEWER MANHOL		General Picture No Drainage Picture No		
	2810 738				
¾		myon at			
LEGEN	in.		NOTES		
Sewer Line	Sewer MH	Asset #:	/02		
Storm Drain Line	Drain Inlet	Completed by:	AR		
··········· Water Line → → ➤ Likely spill path	➤ Valve ➤ Photo Direction	Date:	2811-01-20		
	to manhole and segment	inspection #:	Date of D		
O & M HISTORY	eam of manhole)	Group Project#:			
OCATION DESCRIPTION				PRIORIT	
ubile Impact Proximity to public facilities, Ed	conomic impact. Public hes	ith or safety conce	ems)	Picture No.	
TOXITITY to public lacinities, Ec	conomic Impact, Fubile fice	in or carety correct			
nvironmentai				4	
roximity to nearest drain inlet	and waterway of the U.S.	/ Description of co	nditions)	Picture No.	
ccess / Safety				Ч	
Safe, readily accessible area,	Traffic level, Strategic impo	rtance to operation	n of system)	Picture No.	
					

LOCATION CRITERIA LOCATION SKETCH BY SANITARY SEWER MANHOL	General Picture No.	
Conyon Rd.	0 40' 0 # 103	
	#104	
ST		
LEGEND	NOTES	b .
Sewer Line Storm Drain Line Water Line Sewer MH Drain Inlet Valve > Photo Direction	Asset #: _/03 Completed by:	
O & M HISTORY (Applies to manhole and segment downstream of manhole)	Inspection #: Group Project#:	
LOCATION DESCRIPTION		PRIORITY
Public impact (Proximity to public facilities, Economic impact, Public hea	alth or safety concerns)	Picture No.
		,
Environmental		5
(Proximity to nearest drain inlet and waterway of the U.S.	/ Description of conditions)	Picture No.
Access / Safety		
(Safe, readily accessible area, Traffic level, Strategic impo	ortance to operation of system)	Picture No.

LOCATION SKETC		ATION CRITERIA Y SEWER MANHOLI		Camera No. General Picture No. Drainage Picture No.	
Canyon	. Pd ·	2870	# 103	3	
		###	#101	to wib 6' months yo catch basin	1516
3 7					
Sewer Lin	LEGEND	Sewer MH	Asset #:	NOTES 104	
Storm Dra Water Lin	rain Line ne	☐ Drain Inlet ✓ Valve ➢ Photo Direction	Completed by:	RM/BK	
O & M HISTORY	,	inhole and segment	Inspection #:		
O & M FIGURE	_downstream of	-	Group Project#:		
TOTAL DESCRI					
LOCATION DESCRI	PTION				PRIORITY
(Proximity to public fa	acilities, Economi	ic impact, Public hea	alth or safety conc	cerns)	Picture No.
<u> </u>					P () 1 / 1 / 1 / 1 / 1 / 1 / 1 / 1 / 1 / 1
Environmental					5
(Proximity to nearest	drain inlet and w	vaterway of the U.S. /	/ Description of c	onditions)	Picture No.

Access / Safety					
(Safe, readily accessil	ible area. Traffic	level. Strategic impo	rtance to operati-	on of system)	Picture No.

LOCATION CRITERI	A FORM	Camera No. General Picture No.	
LOCATION SKETCH BY SANITARY SEWER MANHO	LE	Dralnage Picture No.	
28	1	No visible	
	15! 105?	(6.10)	sou way
Canyon Rd.			
LEGEND		NOTES	
Sewer Line Sewer MH · Storm Drain Line	Asset #:	105	
· Storm Drain Line ☐ Drain Inlet Water Line ☐ Valve	Completed by:	BK/RM	
→ Likely spill path	Date:	1-17-11	
O & M HISTORY (Applies to manhole and segment downstream of manhole)	Inspection #: Group Project#:		
LOCATION DESCRIPTION Public Impact			PRIORITY
(Proximity to public facilities, Economic impact, Public he	alth or safety concer	ns)	Picture No.
Environmental			5
(Proximity to nearest drain inlet and waterway of the U.S.	/ Description of con	ditions)	Picture No.
10.54			
Access / Safety (Safe, readily accessible area, Traffic level, Strategic impo	ortance to operation	of system)	Picture No.

LOCATION CRITERIA FO	RM Camera No General Picture No	
LOCATION SKETCH BY SANITARY SEWER MANHOLE	Desirona Biatum M.	
 	directly to	
	#108	
		#
St Canyon Ril.		
LEGEND	NOTES	
Sewer Line Sewer MH Drain Inlet Water Line Likely spill path Sewer MH Drain Inlet Valve Photo Direction	Asset #: /07 mpleted by: BK/RM Date: - 8-	
ORMINISTORT	spection #: p Project#:	
LOCATION DESCRIPTION		PRIORITY
Public Impact	<i>y</i> .	/
(Proximity to public facilities, Economic impact, Public health or	safety concerns)	Picture No.
Environmental		5
(Proximity to nearest drain inlet and waterway of the U.S. / Des	cription of conditions)	Picture No.
Access / Safety		1
(Safe, readily accessible area, Traffic level, Strategic importance	e to operation of system)	Picture No.

LOCA1	TION.	CDI.	LEDIV	EODM
LUCA				FURN

Camera No. General Picture No. Drainage Picture No.

	/
9	15/335
	-700-

LOCATION SKETCI	H BY SANITA	ARY SEWER MANHOL	.E 🐰	Drainage Picture I	No.
Canyon	Rd.		#107 \rightarrow \frac{107}{10'}	creek	
		34			
X					
-	LEGEND			NOTES	
Sewer Lin		Sewer MH	Asset #		
· Storm Dra	ain Line	☐ Drain Inlet	Completed by	100	
····· Water Lin		₩Valve		171-7 101	.
>>> Likely spil	l path	➢ Photo Direction	Date	: <u>1-18-11</u>	
O & M HISTORY	(Applies to	manhole and segment	inspection #		
	downstream	of manhole)	Group Project#	:	
					<u> </u>
OCATION DESCRI	PTION				PRIORIT
ublic impact				·	/
-	cilities. Econo	omic impact, Public hea	ulth or safety con	cems)	Picture No.
					1
nvironmental					(
*	drain inlet and	d waterway of the U.S.	/ Description of	conditions)	Picture No.
		01 010 01011			1 100010 110.
		A. ***** *** *			
ccess / Safety					/
E77	ble area. Traf	fic level, Strategic impo	rtance to operat	ion of system)	Picture No.
		,			

LOCATION CRITERIA FORM LOCATION SKETCH BY SANITARY SEWER MANHOLE	Camera No. 785 General Picture No. Drainage Picture No.
	Hillside Dr.
#10 3023	
LEGEND Value	lores
Sewer Line Sewer MH Asset Drain Inlet Water Line Valve Completed	1#: 109
O & M HISTORY (Applies to manhole and segment downstream of manhole) Inspection Group Project	#:
OCATION DESCRIPTION	PRIORIT
Public impact Proximity to public facilities, Economic impact, Public health or safety c	poncerns) Picture No.
nvironmental	4
Proximity to nearest drain inlet and waterway of the U.S. / Description of	of conditions) Picture No.
ccess / Safety Safe, readily accessible area, Traffic level, Strategic importance to oper	ration of system) Picture No.

LOCATION CRITERIA LOCATION SKETCH BY SANITARY SEWER MANHOL	General Picture No.	8.85
Hillside Dr. [103] drains into wewlord driveword	Valdeflores	
LEGEND Sewer Line Sewer MH Storm Drain Line Drain Inlet Water Line Likely spill path O & M HISTORY (Applies to manhole and segment downstream of manhole)	NOTES Asset #: //O Completed by: PH/BK Date: /-Z/-// Inspection #: Group Project#:	
LOCATION DESCRIPTION Public Impact (Proximity to public facilities, Economic impact, Public hea	ath or safety concerns)	PRIORITY / Picture No.
Environmental (Proximity to nearest drain inlet and waterway of the U.S. /	Description of conditions)	Sicture No.
Access / Safety (Safe, readily accessible area, Traffic level, Strategic impor	rtance to operation of system) P	/ icture No.

	LOCATION CRITERIA OCATION SKETCH BY SANITARY SEWER MANHOL		Camera No. General Picture No. Drainage Picture No.	
	Hillsido Hillerest Dr.			
	27		to Chis to corner	
	LEGEND LEGEND Sewer Line Sewer MH Drain Inlet Water Line Valve	Asset #: Completed by:	NOTES OSE III BR/RM	
-	→ ➤ Likely spill path → Photo Direction O & M HISTORY (Applies to manhole and segment downstream of manhole)	Date: Inspection #: Group Project#:	1-19-11	
	OCATION DESCRIPTION			PRIORIT
	Public Impact Proximity to public facilities, Economic impact, Public hea	alth or safety cond	cerns)	Picture No.
	nvironmental Proximity to nearest drain inlet and waterway of the U.S.	/ Description of c	onditions)	니 Picture No.
- 1	ccess / Safety Safe, readily accessible area, Traffic level, Strategic impo	ortance to operati	on of system)	Picture No.
E				

LOCATION SKET		CATION CRITERIA RY SEWER MANHOL		Camera General Picture Drainage Picture	No.
	Adel	me			
103 27 [107]	**************************************	[150] [154]			US PebleS
Sewer Li Storm Di Water Li Likely sp	rain Line ne oill path	Sewer MH Drain Inlet Valve Photo Direction anhole and segment	Asset #: Completed by: Date: Inspection #:	NOTES 112 RM/BK 1-26-/1	
O & M HISTORY	downstream		Group Project#:		
LOCATION DESCR	IPTION				PRIO
Public Impact	acilities, Econor	mic impact, Public hea	Ith or safety conce	erns)	Picture 1
Public Impact	acilities, Econoi	mic impact, Public hea	ith or safety conce	erns)	
Public Impact (Proximity to public formation of the control of the		mic impact, Public hea			4
Public Impact (Proximity to public formation of the control of the					

	LOCATION CRITERIA	A FORM General Picture	
LOCATION SKETC	H BY SANITARY SEWER MANHOL		
	s Rodos Dr		
SV		Driveway #113	ins down
	LEGEND	NOTES	
Sewer Lin		Asset #: _//3	
Storm Dra		Completed by: RM /BK	
->> Likely spi		Date: 1-20-11	
	(Applies to manhole and segment	Inspection #:	
O & M HISTORY	downstream of manhole)	Group Project#:	
	•		
LOCATION DESCRI	PTION		PRIORITY
Public impact		······································	1
(Proximity to public fa	cilities, Economic impact, Public hea	lth or safety concerns)	Picture No.
			ı
Environmentai			5
(Proximity to nearest	drain inlet and waterway of the U.S.	Description of conditions)	Picture No.
Access / Safety			/
(Safe, readily accessi	ole area, Traffic level, Strategic impo	rtance to operation of system)	Picture No.

	LC	CATION CRITERIA	A FORM	Camera No	
LOCATION SVETS				General Picture No	
LOCATION SKETC	H BY SANII	ARY SEWER MANHOL	·E	Drainage Picture No	2.
Hillsode Dr.					
Sewer Li	ain Line	1140	Asset #:_Completed by:	NOTES PM/BK	
····· Water Lir		➤ Photo Direction	Date:	1-24-11	
O & M HISTORY	(Applies to	manhole and segment n of manhole)	Inspection #: _ Group Project#:		
					
LOCATION DESCRI	PHUN				PRIORITY
Public Impact					
(Proximity to public ta	acilities, Econ	omic impact, Public hea	ith or safety conce	erns)	Picture No.
Environmental					
(Proximity to nearest	drain inlet an	d waterway of the U.S. I	Description of co	nditions)	Picture No.
Access / Safety					
•	ble area, Tra	ffic level, Strategic impo	rtance to operation	n of system)	Picture No.
					

LOCATION CRITERIA FORM LOCATION SKETCH BY SANITARY SEWER MANHOLE	Camera No. General Picture No. Drainage Picture No.	885
LEGEND Sewer Line Storm Drain Line Water Line Water Line Water Line Water Line Water Line Photo Direction O & M HISTORY (Applies to manhole and segment downstream of manhole) Group Project#:	NOTES IIS BURM	o. HIS
LOCATION DESCRIPTION Public Impact (Proximity to public facilities, Economic impact, Public health or safety conditions)	cerns)	PRIORITY
Environmental (Proximity to nearest drain inlet and waterway of the U.S. / Description of c	onditions) F	4 Picture No.
Access / Safety (Safe, readily accessible area, Traffic level, Strategic importance to operation	on of system)	/ Picture No.

LOCATION CRITERI		Camera No Generai Picture No Drainage Picture No	
LEGEND Sewer Line Sewer MH Drain Inlet Water Line Water Line Likely spill path O & M HISTORY (Applies to manhole and segment downstream of manhole)	Asset #: Completed by: Date: Inspection #: Group Project#:	NOTES 116 RM/BK	drans lown to sidence 162 os Rodes
LOCATION DESCRIPTION Public Impact (Proximity to public facilities, Economic impact, Public hea	aith or safety conce	erns)	PRIORITY / Picture No.
Environmental (Proximity to nearest drain inlet and waterway of the U.S. Access / Safety	/ Description of co	nditions)	y Picture No.
(Safe, readily accessible area, Traffic level, Strategic impo	ortance to operation	n of system)	Picture No.

LOCATION SKETCH BY	LOCATION CRITERIA FOR	M Camera No. Solution Camera No. Drainage Picture No.
Hilpigo.		
		3051 C.O. #117
97		La Mesa I
	BEND	NOTES
Sewer Line Storm Drain Line Water Line Likely spili path	Sewer MH	NOTES Asset #: 117 leted by: FM/BK Date: 1-24-11
Sewer Line Storm Drain Line Water Line Sikely spili path O & M HISTORY (Appl	Sewer MH Drain !nlet Valve Photo Direction ies to manhole and segment Insp	Asset #: 117 leted by: PM/BK
Sewer Line Storm Drain Line Water Line Storm Drain Line Water Line Appl (Appl down)	Sewer MH Drain !nlet Valve Photo Direction es to manhole and segment Insp	Asset #:
Sewer Line Storm Drain Line Water Line Sitely spili path O & M HISTORY CAPPI down LOCATION DESCRIPTION Public Impact	Sewer MH Drain !nlet Valve Photo Direction es to manhole and segment Insp	Asset #: 117 leted by: FM/BK Date: 1-24-11 ection #: Project#: PRICE
Sewer Line Storm Drain Line Water Line Sikely spili path O & M HISTORY CAPPI down LOCATION DESCRIPTION Public Impact	Sewer MH Drain !nlet Valve Photo Direction les to manhole and segment stream of manhole) Group I	Asset #: 117 leted by: FM/BK Date: 1-24-11 ection #: Project#: PRICE
Sewer Line Storm Drain Line Water Line Water Line Sikely spili path O & M HISTORY CAPPI down LOCATION DESCRIPTION Public Impact (Proximity to public facilities,	Sewer MH Drain !nlet Valve Photo Direction les to manhole and segment stream of manhole) Group I	Asset #: 117 leted by: PM/BK Date: 1-24-11 ection #: Project#: PRIC
Sewer Line Storm Drain Line Water Line Likely spili path O & M HISTORY COMMISSION LOCATION DESCRIPTION Public Impact (Proximity to public facilities,	Sewer MH Drain !nlet Valve Photo Direction less to manhole and segment stream of manhole) Economic impact, Public health or sa	Asset #: 117 leted by: PM/BK Date: 1-24-11 ection #: Project#: PRIC

	LOCATION SKETC		CATION CRITERIA	=	Camera No. General Picture No. Drainage Picture No.	88 5
	25	1 /	F/18	J drain	deflores. D.	e
	Sewer Li Storm Dr Water Lii Stikely sp	ne ain Line ne	Sewer MH Drain Inlet Valve Photo Direction	Asset #: Completed by: Date:	118	
	O & M HISTORY	(Applies to n	nanhole and segment of manhole)	Inspection #: Group Project#:		
	LOCATION DESCRI	PTION	· · · · · · · · · · · · · · · · · · ·			PRIORITY
		acilities, Econo	mic impact, Public hea	lth or safety conce	erns) F	icture No.
- 1	Environmental (Proximity to nearest	drain inlet and	waterway of the U.S. /	Description of cor	nditions) P	Ц icture No.
- 1	Access / Safety Safe, readily access	ble area, Traff	ic level, Strategic impo	tance to operation	n of system) P	cture No.
	-					

LEGEND LEGEND Sewer Line Sewer MH Drain Inlet Water Line Water Line Water Line Drain Sewer MH Drain Inlet Drain Upt Drain Inlet Drain In	(A.C.
LEGEND LEGEND NOTES Sewer Line Sewer MH Asset #: 1/9 Completed by: BK/RM	/
Sewer Line Sewer MH Sewer MH Asset #: //9 Completed by: BK/PM	/,
Sewer Line Sewer MH Sewer MH Asset #: //9 Drain Inlet Water Line Sewer MH Completed by: 3K/PM	
Water Line Valve Completed by: 82/29	
Asgree File Asgree	
Their spill path path path path pate. / 20 //	
O & M HISTORY (Applies to manhole and segment downstream of manhole) Inspection #:	
OCATION DESCRIPTION PRIO	DRIT
Public Impact	
Proximity to public facilities, Economic impact, Public health or safety concerns) Picture	No.
invironmental 5	
Proximity to nearest drain inlet and waterway of the U.S. / Description of conditions)	
ccess / Safety	
Safe, readily accessible area, Traffic level, Strategic importance to operation of system) Picture I	No.

LOCATION SKETC		CATION CRITERIA ARY SEWER MANHOL		Camera No General Picture No Drainage Picture No).
		The state of the s	1111	los Robles	
97	LEGEND			NOTES	
Sewer Li		Sewer MH	Asset #:	122	
		☐Drain Inlet ►Valve	Completed by:	AR	
─>-> Likely spi		➢ Photo Direction	Date:	2011-01-17	
O & M HISTORY	(Applies to r	manhole and segment	Inspection #:		
	downstream	of manhole)	Group Project#:		
LOCATION DESCRI	IPTION				PRIORITY
Public Impact					/
(Proximity to public fa	acilities, Econo	omic impact, Public hea	ith or safety conce	rns)	Picture No.
Environmental					4
(Proximity to nearest	drain inlet and	d waterway of the U.S.	Description of cor	nditions)	Picture No.
					
	-			, <u>, , , , , , , , , , , , , , , , , , </u>	
Access / Safety					1
(Safe, readily access	ible area, Traf	fic level, Strategic impo	rtance to operation	of system)	Picture No.

		CATION CRITERIA RY SEWER MANHOL		Gamera No General Picture No Drainage Picture No	
Newton Dr		124	I d	rains to CB	
		#-1	23		
97°		143			
	LEGEND			NOTES	
Sewer L Storm D Water Li Stikely sp	rain Line ine	● Sewer MH ■ Drain Inlet ▶ Valve ▶ Photo Direction	Asset #:_ Completed by: Date:	123 RM/RK	
O & M HISTORY	(Applies to m	anhole and segment of manhole)	Inspection #: Group Project#:		
LOCATION DESCR	IPTION				PRIOF
Public Impact		mic impact, Public hea	th or safety conc	erns)	
Public Impact (Proximity to public f		mic impact, Public hea	th or safety conc	erns)	PRIOF / Picture N
Public Impact (Proximity to public f	acilities, Econo	mic impact, Public hea			
Public Impact (Proximity to public f	acilities, Econo				Picture N

LOCATION CRITERIA FORM LOCATION SKETCH BY SANITARY SEWER MANHOLE	Camera No. General Picture No. Drainage Picture No.	885
to al 125 (transl) 12		
Fey Dr.	124	
Water Line Walve Completed by: B	NOTES 12.5 12./RM 1-18-11	
O & M HISTORY (Applies to manhole and segment downstream of manhole) Inspection #: Group Project#:		
4		= =
LOCATION DESCRIPTION Public Impact		PRIORITY
(Proximity to public facilities, Economic impact, Public health or safety concern	es) Pi	cture No.
Environmental (Proximity to nearest drain inlet and waterway of the U.S. / Description of condi	itions) Pio	Scture No.
Access / Safety (Safe, readily accessible area, Traffic level, Strategic importance to operation o	f system) Pio	/ ture No.

LOCATION SKETCH BY SA	LOCATION CRITER	RIA FORM DLE	Can General Pict Drainage Pict	nera No. ture No. ture No.	\$ \$\$
127		(12	8	124	#126
ST.	Fey Dr.				
Sewer Line Storm Drain Line	Sewer MH	Asset #:	NOTES		1 -
Water Line Likely spill path	☐ Drain Inlet ✓ Valve ✓ Photo Direction	Completed by:	BK-/RM		V 1
downstrea	manhole and segment	Inspection #:	1-18-11		
LOCATION DESCRIPTION Public Impact				PR	NORITY
(Proximity to public facilities, Ecor	nomic impact, Public heal	th or safety concerns	5)		re No.
Environmental (Proximity to nearest drain inlet an	d waterway of the U.S. / I	Description of conditi	ons)	Pictur	e No.
Access / Safety Safe, readily accessible area, Traf	fic level, Strategic importa	ance to operation of	system)	Picture	→ No.

LOCATION CRITERIA FORM LOCATION SKETCH BY SANITARY SEWER MANHOLE	Camera No. General Picture No. Drainage Picture No.	885
Fey Dr.	128 127 124	
LEGEND Sewer Line Sewer MH Asset #: Drain Inlet Water Line Water Line Completed by:	- 12- 1	y
Water Line → Likely spill path O & M HISTORY (Applies to manhole and segment downstream of manhole) Completed by: Date: Inspection #: Group Project#:	1-18-11	
LOCATION DESCRIPTION Public Impact (Proximity to public facilities, Economic impact, Public health or safety cond	f N	RIORITY Lure No.
Environmental (Proximity to nearest drain inlet and waterway of the U.S. / Description of co		5 Ire No.
Access / Safety Safe, readily accessible area, Traffic level, Strategic importance to operatio	n of system) Pictu	re No.

LOCATION SKETC	LOCATION CRITER THE BY SANITARY SEWER MANHO		Camera No. General Picture No. Drainage Picture No.	840
Sewer Lir Storm Dra Water Lin Likely spil	LEGEND The Sewer MH ain Line Drain Inlet Valve Il path Photo Direction	Asset #: Completed by: Date:	NOTES 129 AM 2011-01-25	
O & M HISTORY	(Applies to manhole and segment downstream of manhole)	Inspection #: Group Project#:		
LOCATION DESCRI Public Impact (Proximity to public fa	PTION acilities, Economic impact, Public he	alth or safety conce	ms) P	PRIORITY //
Environmental (Proximity to nearest	drain inlet and waterway of the U.S.	/ Description of cor	nditions) P	# icture No.
Access / Safety (Safe, readily accessil	ble area, Traffic level, Strategic impo	ortance to operation	of system) Pi	Gicture No.

LOCATI	LOCATION CRITERIA FORM LOCATION SKETCH BY SANITARY SEWER MANHOLE				Camera N General Picture N Drainage Picture N	e No.
		los	Robles			
X			135	31 121		
		LEGEND			NOTES	
	- Sewer Li	ne	Sewer MH	Asset #:	(30	
	 Storm Dr Water Lir 		☐Drain Inlet ✓Valve	Completed by:	AK	
\rightarrow	Likely sp		▶ Photo Direction	Date:	2011-01-25	
O & M HISTORY	(Applies to	manhole and segment	Inspection #:			
		downstream	n of manhole)	Group Project#:		
LOCATIO	N DESCRI	IPTION				DRIOR
Public Im		11011		//		PRIOR
(Proximity to public facilities, Economic impact, Public health or safety concerns)						Picture No
English a						4
	Environmental (Proximity to nearest drain inlet and waterway of the U.S. / Description of conditions)					
Proximity	to nearest	grain inlet an	d waterway of the U.S.	Description of co	nditions)	Picture No
 						-
		· · · · · · · · · · · · · · · · · · ·				
Access /	Safety					4
(Safe, read	dily accessi	ible area, Trat	fic level, Strategic impo	rtance to operatio	n of system)	Picture No
						1 1 1 1 1 1 1

LOCATION CRITERIA FORM LOCATION SKETCH BY SANITARY SEWER MANHOLE	Camera No. General Picture No. Drainage Picture No.	-882
LEGEND Sewer Line Storm Drain Line Water Line Water Line Water Line Drain Inlet Completed I Drain Inlet Completed I Drain Inlet Completed I Drain Inlet Completed I Drain Inlet Completed I Drain Inlet Completed I Drain Inlet Completed I Drain Inlet Completed I Drain Inlet Completed I Drain Inlet Completed I Drain Inspection Drain Inspection Group Project	py: 24/BC te: 1-18-11 #:	
LOCATION DESCRIPTION Public Impact Proximity to public facilities, Economic impact, Public health or safety co	oncerns) P	PRIORITY / icture No.
Environmental Proximity to nearest drain inlet and waterway of the U.S. / Description of	conditions) Pi	S'
ccess / Safety Safe, readily accessible area, Traffic level, Strategic importance to opera	ition of system) Pio	/ cture No.

L OCATION SKETCH BY SANI	OCATION CRITERIA F TARY SEWER MANHOLE	ORM	Camera No General Picture No Drainage Picture No).
		19 1991 1991		
			83	
IJ LEGENI			NOTES	
Sewer Line · Storm Drain Line	Sewer MH Drain Inlet	Asset #:	133	
····· Water Line	Valve	Completed by:	ATZ.	
> > Likely spill path	▶ Photo Direction	Date: _	2011-01-17	
A MI HISTORY	manhole and segment	Inspection #: _		
downstrea	m of manhole) G	roup Project#:		
CATION DESCRIPTION				PRIORI
blic Impact				Distant No
oximity to public facilities, Eco	nomic impact, Public nealth	or satety conce	erns)	Picture No
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vironmental				4
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U & M HISTORY	es to manhole and segment stream of manhole)	Inspection #: Group Project#:		
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Sewer Line Sewer MH	Asset #: 136
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Water Line Valve	3/2 /1 -11
>>> Likely spill path >> Photo Direction	Date: /~ / / ~ //
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Asset #:	137	
Water Line	BK/RM	Physical Company
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LOCATION CRITERIA FORM LOCATION SKETCH BY SANITARY SEWER MANHOLE	Camera No. General Picture No.		
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LEGEND Sewer Line Sewer MH Asset #:	NOTES	
· Storm Drain Line Water Line > Drain Inlet Valve > Photo Direction Asset #. — Completed by: Drain Inlet Completed by: Date:	139. BK/EM 1-17-11	
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		Camera No. General Picture No. Drainage Picture No.		
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Sewer Line Storm Drain Water Line Likely spill pa	₩Valve	Asset #: 10 Completed by: 1		
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LEGEND Sewer Line Sewer MH Drain Inlet Water Line Drain Inlet Completed by: BV/FM Date: F-20-I(Inspection #: Group Project#: LOCATION DESCRIPTION Public Impact (Proximity to public facilitles, Economic impact, Public health or safety concerns) Environmental (Proximity to nearest drain inlet and waterway of the U.S. / Description of conditions) Pic			drains to draway		\	
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Sewer Line Storm Dra Water Line	LEGEND e in Line	Sewer MH Drain Inlet Valve	Asset #: Completed by:	NOTES BK/RM	
->>> Likely spill		▶ Photo Direction	Date:	1-20-11	
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Sewer Line Sewer MH	Asset #: 145	
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Water Line Water Line Water Line Direction Section		
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downstream of manhole)	Group Project#:	
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Sewer Line	Sewer MH	Asset #:	149	
· Storm Drain Line	☐ Drain Inlet	Completed by:	AR	
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LEGEND Sewer Line Storm Drain Line Water Line Water Line Likely spill path Completed by:	NOTES 5/ BK/RM		
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Fey Dr.	18051	Catch busin	Conyon Ro
LEGEND Sewer Line Storm Drain Line	Drain Inlet	NOTES Asset #: 154 eted by: BK/RM	
O & M HISTORY	> Photo Direction	Date: /-//-// ction #:	
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LOCATION CRITERIA FORM LOCATION SKETCH BY SANITARY SEWER MANHOLE	Camera No. Cf /C General Picture No. Drainage Picture No.	>
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LEGEND	NOTES	
Sewer Line Sewer MH S	BK/RM	
O & M HISTORY (Applies to manhole and segment downstream of manhole) Inspection #		j >
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Access / Safety (Safe, readily accessible area, Traffic level, Strategic importance to operat	ion of system) Picture	No.

LOCATION CRITERIA FORM LOCATION SKETCH BY SANITARY SEWER MANHOLE	Camera No. General Picture No. Drainage Picture No.	915
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Environmental (Proximity to nearest drain inlet and waterway of the U.S. / Description of c	onditions) F	5 Picture No.
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LOCATION SKETC		CATION CRITERIA ARY SEWER MANHOL		Camera No General Picture No Drainage Picture No).
Sewer Ling Sewer Ling Sewer Ling Water Ling Storm Dr.	ain Line ie	Sewer MH Drain Inlet Valve Photo Direction	Asset #: Completed by: Date:	NOTES 158 AR 2011-01-17	
O & M HISTORY	(Applies to	manhole and segment	Inspection #: _ Group Project#:		
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Environmental (Proximity to nearest	drain inlet an	d waterway of the U.S.	/ Description of co	nditions)	Picture No.
Access / Safety (Safe, readily accessi	ble area, Tra	ffic level, Strategic impo	rtance to operation	n of system)	Picture No.
					

LOCATION CRITERIA FORM LOCATION SKETCH BY SANITARY SEWER MANHOLE	Camera No. General Picture No. Drainage Picture No.	
Los Robes [213] \$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	219	
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LEGEND	NOTES	
Source Line	NOTES sset #: /59 ted by: BYC/RM Date: 1-18-11	
O & M HISTORY (Applies to manhole and segment downstream of manhole) Group Pro		
LOCATION DESCRIPTION		
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ccess / Safety		
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Sewer Lir	ain Line	Sewer MH Drain Inlet	Asset #: _ Completed by:	NOTES 159 AA	and the second s
O & M HISTORY	ll path	➤ Photo Direction thole and segment	Date: _ Inspection #: _ Group Project#:	2011-01-17	
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Access / Safety					/
(Safe, readily accessi	ble area, Traffic I	evel, Strategic impo	rtance to operatio	n of system)	Picture No.

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Sewer L Storm D Water L Stikely s	orain Line Line	Sewer MH Drain Inlet Valve Photo Direction	Asset #: Completed by: Date:	NOTES (160 PM/RK 1-27-11	7000
O & M HISTORY		manhole and segment m of manhole)	Inspection #: _ Group Project#:		
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LEGEND		NOTES	
Sewer Line Sewer MH	Asset #:	162	 :
Water Line Valve	ompleted by:	<u>55</u>	
→ ➤ Likely spill path ▷ Photo Direction	Date:	2011-01-14	
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(Safe, readily accessible area, Traffic level, Strategic importan	ce to operatio	on of system)	Picture No.

LOCATION CRITERIA FORM

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General Picture No.

OCATION SKETCH	3Y SANIT	ARY SEWER MANHOL	E	Drainage Picture	No.
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4	LEGEND			NOTES	
Sewer Line		Sewer MH	Asset #:	163	Į.
Storm Drain	Line	Drain Inlet	Completed by:	RM/RK	
······ Water Line →	ath	➤ Valve ➤ Photo Direction	Date:	1-17-11	
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Uamnisioni		manhole and segment	Inspection #:_		
G	ownstrear	m of manhole)	Group Project#:		
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Camera No. 914 **LOCATION CRITERIA FORM** General Picture No. LOCATION SKETCH BY SANITARY SEWER MANHOLE Drainage Picture No. Canyon Ed (3016) 160ff. **LEGEND NOTES** Sewer Line Sewer MH Asset #: Storm Drain Line ☐Drain inlet Completed by: BK/Rh Water Line **▶** Valve Likely spill path ➢ Photo Direction Date: (Applies to manhole and segment Inspection #: O & M HISTORY downstream of manhole) Group Project#: **LOCATION DESCRIPTION PRIORITY Public Impact** (Proximity to public facilities, Economic impact, Public health or safety concerns) Picture No. **Environmental** (Proximity to nearest drain inlet and waterway of the U.S. / Description of conditions) Picture No. Access / Safety (Safe, readily accessible area, Traffic level, Strategic importance to operation of system) Picture No.

LOCATION CRITERIA FORM	General Picture No.	
LOCATION SKETCH BY SANITARY SEWER MANHOLE	Drainage Picture No.	ļ
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LEGEND	NOTES	
Sewer Line Sewer MH Asset #:		
— — — · Storm Drain Line ☐ Drain Inlet ☐ Completed by:	BK/RM	
valve Pile	1-14-11	
(Applies to manhola and segment Inspection #		
O & M HISTORY downstream of manhole) Group Project#:		
	· · · · · · · · · · · · · · · · · · ·	
		<u> </u>
LOCATION DESCRIPTION		PRIORIT
Public Impact		A. I
Proximity to public facilities, Economic impact, Public health or safety con-	cerns)	Picture No.
Environmental		5
Proximity to nearest drain inlet and waterway of the U.S. / Description of c	onditions)	Picture No.
Access / Safety	[.	
Safe, readily accessible area, Traffic level, Strategic importance to operati	on of system)	Picture No.
		

LOCATION CRITERIA FORM LOCATION SKETCH BY SANITARY SEWER MANHOLE	General Picture No. Drainage Picture No.
	Conyon Rd.
Liara Ct.	
LEGEND Sewer Line Sewer MH Ass Drain Inlet Water Line Valve Complete	NOTES set #: /(o/c
→ Likely spill path	
LOCATION DESCRIPTION Public Impact (Proximity to public facilities, Economic impact, Public health or safety	PRIORITY / concerns) Picture No.
Environmental (Proximity to nearest drain inlet and waterway of the U.S. / Description	n of conditions)
Access / Safety Safe, readily accessible area, Traffic level, Strategic importance to op	peration of system) Picture No.

Public Impact /	LOCATION SKETO		CATION CRITERI ARY SEWER MANHOI		Camera No. General Picture No. Drainage Picture No.	
O & M HISTORY (Applies to manhole and segment downstream of manhole) Inspection #: Group Project#: PRIORI Public Impact (Proximity to public facilities, Economic impact, Public health or safety concerns) Picture No.	Sewer Lin	LEGEND ne ain Line	Sewer MH Drain Inlet Valve	Completed by:	NOTES 167 AR	3
Public Impact (Proximity to public facilities, Economic impact, Public health or safety concerns) Picture No Environmental		(Applies to n	nanhole and segment	Inspection #: _	2011-1-17	
/President to the second of th	Public Impact		mic impact, Public hea	Ith or safety conce	rns) F	PRIORITY / Picture No.
		drain inlet and	waterway of the U.S. /	Description of con	ditions) F	
Access / Safety (Safe, readily accessible area, Traffic level, Strategic importance to operation of system) Picture No	- W	ole area, Traffi	ic level, Strategic impo	tance to operation	of system) P	icture No.

LOCATION SKETC	LOCATION CRITERI H BY SANITARY SEWER MANHO		Camera No. General Picture No. Drainage Picture No.	840
ST A	To the second se	oract	3	
	LEGEND		NOTES	i
Sewer Lir		Asset #:	168	
Storm Dra		Completed by:	4.0	
····· Water Lin	* * * * * * * * * * * * * * * * * * * *	I -	AIZ	
───── Likely spi		Date:	2011-101-17	
O & M HISTORY	(Applies to manhole and segment	Inspection #: _		
	downstream of manhole)	Group Project#:		
				
LOCATION DESCRI	PTION			PRIORITY
Public Impact				PRIORITI
	icilities, Economic impact, Public hea	ith or safety conce	rns)	ricture No.
				10.070 110.
Environmental				4
(Proximity to nearest	drain inlet and waterway of the U.S.	Description of con	iditions)	icture No.
				
Access / Polich				
Access / Safety				4
oare, readily accessi	ble area, Traffic level, Strategic impo	rtance to operation	of system) P	icture No.
				

LOCATION CRITERIA FORM LOCATION SKETCH BY SANITARY SEWER MANHOLE Camera Generai Picture Drainage Picture	No.
LEGEND LEGEND LEGEND LEGEND LEGEND LOTA CF NOTES Sewer Line Drain Inlet Water Line Water Line Water Line Water Line Drain Inlet Drain	5
LOCATION DESCRIPTION Public impact (Proximity to public facilities, Economic impact, Public health or safety concerns)	PRIORITY Picture No.
Environmental	5
(Proximity to nearest drain inlet and waterway of the U.S. / Description of conditions)	Picture No.
Access / Safety (Safe, readily accessible area, Traffic level, Strategic importance to operation of system)	Picture No.

LOCATION CRITERIA FORM LOCATION SKETCH BY SANITARY SEWER MANHOLE	Camera No. General Picture No. Drainage Picture No.	915
[2888]	15th. 100H.	Vi opent
LEGEND 27	NOTES	
Sewer Line Sewer MH Asset # Drain Inlet Water Line Valve Completed by	BK/RM	
→ Likely spill path	t:	
LOCATION DESCRIPTION Public impact (Proximity to public facilities, Economic impact, Public health or safety cor		PRIORITY
(Proximity to public facilities, Economic impact, Public fleatiff of safety con	iceris) i	Picture No.
Environmental (Proximity to nearest drain inlet and waterway of the U.S. / Description of	conditions)	S Picture No.
Access / Safety (Safe, readily accessible area, Traffic level, Strategic importance to operate	tion of system) F	/ Picture No.

	Camera No. General Picture No. rainage Picture No.	840
Sewer Line Sewer MH Asset #: Storm Drain Line Drain Inlet Completed by: Water Line Photo Direction Date: O & M HISTORY (Applies to manhole and segment downstream of manhole) Group Project#:	NOTES 172 AR 2011-01-25 pipe from fail 15 only conne	
Environmental (Proximity to nearest drain inlet and waterway of the U.S. / Description of conditio	ns) Pict	4 ure No.
Access / Safety (Safe, readily accessible area, Traffic level, Strategic importance to operation of s	ystem) Pictu	4 ure No.

LOCATION CRITERIA FORM LOCATION SKETCH BY SANITARY SEWER MANHOLE	Camera No. General Picture No. Drainage Picture No.	915
T Cat	zh pasin	
/6ft.		
#17	3	
AT .		
LEGEND	NOTES	
Sewer Line Sewer MH Asset #: Drain Inlet Water Line Valve Sewer MH Completed by: Photo Direction Date:	173 BK/RM	
O & M HISTORY (Applies to manhole and segment downstream of manhole) Group Project#:	1- 17-11	
LOCATION DESCRIPTION Public Impact		PRIORITY
(Proximity to public facilities, Economic impact, Public health or safety conce	erns) Pi	cture No.
Environmental		5
(Proximity to nearest drain inlet and waterway of the U.S. / Description of co	nditions) Pi	cture No.
Access / Safety Safe, readily accessible area, Traffic level, Strategic importance to operation	n of system)	cture No.

LOCATION CRITERIA FORM LOCATION SKETCH BY SANITARY SEWER MANHOLE	Camera No. Generai Picture No. Drainage Picture No.	9'15
Canyon Rd.		
	10Ft. # 174	ł
₹		
LEGEND	NOTES	
Sewer Line Sewer MH Asset #		
Water Line ✓ Valve Completed by		******
→ Likely spill path	——————————————————————————————————————	<u> </u>
O & M HISTORY (Applies to manhole and segment downstream of manhole) Inspection #		
downstream of manhole) Group Project#	•	
LOCATION DESCRIPTION		PRIORITY
Public Impact		- /
(Proximity to public facilities, Economic impact, Public health or safety cor	ncerns)	Picture No.
	11	
Environmental		
		57
(Proximity to nearest drain inlet and waterway of the U.S. / Description of	conditions)	Picture No.
Access / Safety		/
Safe, readily accessible area, Traffic level, Strategic importance to operat	tion of system)	Picture No.
/		
	1	

LOCATION CRITERIA FORM LOCATION SKETCH BY SANITARY SEWER MANHOLE	Camera No. General Picture No. Drainage Picture No.	840
Sewer Line Storm Drain Line Water	NOTES 175 AQ 2011-01-25	
LOCATION DESCRIPTION Public Impact (Proximity to public facilities, Economic impact, Public health or safety conce	ms) P	PRIORITY
Environmental (Proximity to nearest drain inlet and waterway of the U.S. / Description of con	ditions) Pi	<i>cf</i>
Access / Safety (Safe, readily accessible area, Traffic level, Strategic importance to operation	of system) Pi	g cture No.

Public Impact (Proximity to public facilities, Economic impact, Public health or safety concerns) Picture Environmental (Proximity to nearest drain inlet and waterway of the U.S. / Description of conditions) Picture Access / Safety	LOCATION SKETCH BY SA	LOCATION CRITERIA FORM General Picture ION SKETCH BY SANITARY SEWER MANHOLE Drainage Picture		e No.
LEGEND Sewer Line Sewer MH Asset #: 176 Completed by: Bk/PM Date: 1-17-16 Inspection #: Group Project#: LOCATION DESCRIPTION Public Impact (Proximity to public facilities, Economic impact, Public health or safety concerns) Picture Access / Safety		2890		
LEGEND Sewer Line Sewer MH Storm Drain Line Drain Inlet Water Line Sewer MH Drain Inlet Walve Sewer MH Completed by: Sk/PM Date: 1-17-16 Completed by: Bk/PM Date: 1-17-16 Inspection #: Group Project#: LOCATION DESCRIPTION Public Impact (Proximity to public facilities, Economic impact, Public health or safety concerns) Environmental (Proximity to nearest drain inlet and waterway of the U.S. / Description of conditions) Access / Safety		10Ft		
LEGEND Sewer Line Sewer MH Drain Inlet Water Line Wat		m #176		
LEGEND Sewer Line Sewer MH Drain Inlet Water Line Wat			1 1	
LEGEND Sewer Line Storm Drain Line Drain Inlet Water Line Sewer MH Completed by: BL/PM Date: 1-17-16 Completed by: BL/PM Date: 1-17-16 Completed by: BL/PM Date: 1-17-16 Inspection #: Group Project#: LOCATION DESCRIPTION Public Impact (Proximity to public facilities, Economic impact, Public health or safety concerns) Picture Environmental (Proximity to nearest drain inlet and waterway of the U.S. / Description of conditions) Access / Safety	er Canyon R	d.		
Sewer Line Storm Drain Line Drain Inlet Water Line Storm Drain Line Drain Inlet Completed by: BL/PM Date: 1-17-10 O & M HISTORY (Applies to manhole and segment downstream of manhole) Completed by: BL/PM Date: 1-17-10 Inspection #: Group Project#: LOCATION DESCRIPTION Public Impact (Proximity to public facilities, Economic impact, Public health or safety concerns) Pricture Environmental (Proximity to nearest drain inlet and waterway of the U.S. / Description of conditions) Access / Safety				
Likely spill path Photo Direction O & M HISTORY (Applies to manhole and segment downstream of manhole) LOCATION DESCRIPTION Public Impact (Proximity to public facilities, Economic impact, Public health or safety concerns) Picture Environmental (Proximity to nearest drain inlet and waterway of the U.S. / Description of conditions) Access / Safety	Sewer Line Storm Drain Line	Sewer MH Drain Inlet	Asset #:174_176	
LOCATION DESCRIPTION Public Impact (Proximity to public facilities, Economic impact, Public health or safety concerns) Picture Environmental (Proximity to nearest drain inlet and waterway of the U.S. / Description of conditions) Picture Access / Safety	Likely spill path O & M HISTORY (Applie)	▶ Photo Direction s to manhole and segment	Date: 1-17-11	
Public Impact (Proximity to public facilities, Economic impact, Public health or safety concerns) Picture Environmental (Proximity to nearest drain inlet and waterway of the U.S. / Description of conditions) Picture Access / Safety				
(Proximity to public facilities, Economic impact, Public health or safety concerns) Picture Environmental (Proximity to nearest drain inlet and waterway of the U.S. / Description of conditions) Picture Access / Safety				PRIC
(Proximity to nearest drain inlet and waterway of the U.S. / Description of conditions) Picture Access / Safety		Economic impact, Public health or	safety concerns)	Picture
Access / Safety	Environmentai			5
1	(Proximity to nearest drain inle	et and waterway of the U.S. / Desc	ription of conditions)	Picture
(Safe, readily accessible area, Traffic level, Strategic importance to operation of system) Picture	1			
	(Sate, readily accessible area,	raffic level, Strategic importance	to operation of system)	Picture i
				

LOCATION CRITERIA FORM	Camera No. General Picture No.	915
LOCATION SKETCH BY SANITARY SEWER MANHOLE	Drainage Picture No.	<u> </u>
2888		
N	Čt.	
	-111 ** ** ** ** ** ** ** ** ** ** ** **	
Tex.		
St. 18 St		
LEGEND	NOTES	
Sewer Line Sewer MH Asset #:	ררו	
— — — · Storm Drain Line	BK/EM	
→ Likely spill path	1-17-11	
O & M HISTORY (Applies to manhole and segment downstream of manhole) Inspection #:		*
downed and of marmoley Group Projects.		
LOCATION DESCRIPTION		PRIORITY
Public Impact		
(Proximity to public facilities, Economic impact, Public health or safety conc	erns)	Picture No.
Environmental		5
(Proximity to nearest drain inlet and waterway of the U.S. / Description of co	onditions)	Picture No.
Access / Safety		
(Safe, readily accessible area, Traffic level, Strategic importance to operation	on of system)	Picture No.
	4	

LOCATION CRITERIA FORM	Camera No. General Picture No.	915
LOCATION SKETCH BY SANITARY SEWER MANHOLE	Drainage Picture No.	
Canyon Rd OF road	Drainage Picture No.	
A.		_ F
LEGEND	NOTES	
Sewer Line Sewer MH Asset #:	178	10
· Storm Drain Line Water Line Valve Drain Inlet Valve Photo Direction Date:	BK/RM	
(Applies to mechale and assessed to all the state of the	1-11-11	
O & M HISTORY (Applies to manhole and segment Inspection #: downstream of manhole) Group Project#:		
LOCATION DESCRIPTION		PRIORITY
Public Impact		
(Proximity to public facilities, Economic impact, Public health or safety cond	erns) p	icture No.
Environmental		
(Proximity to nearest drain inlet and waterway of the U.S. / Description of co	onditions) P	icture No.
Access / Safety		
(Safe, readily accessible area, Traffic level, Strategic importance to operation	on of system) Pi	cture No.

LOCATION CRITERIA FORM	General Picture No.	715
LOCATION SKETCH BY SANITARY SEWER MANHOLE	Drainage Picture No.	
	La Cuesta Dr.	
T 109.		
channel	NOTES	
LEGEND Sewer MH Asset	*: 179	
Storm Drain Line Drain Inlet Completed b		
water Line Valve	UP/PI	
O & M HISTORY (Applies to manhole and segment Inspection		
downstream of manhole) Group Project	<u>#:</u>	
LOCATION DESCRIPTION		PRIORITY
Public Impact		
(Proximity to public facilities, Economic impact, Public health or safety co	oncerns)	Picture No.
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Environmental		- 5
(Proximity to nearest drain inlet and waterway of the U.S. / Description o	f conditions)	Picture No.
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Access / Safety		
(Safe, readily accessible area, Traffic level, Strategic importance to opera	ation of system)	Picture No.

LOCATION CRITERIA FORM LOCATION SKETCH BY SANITARY SEWER MANHOLE	Camera No. General Picture No. Drainage Picture No.		
Vasta Dr.	ceth		
	25f	E180	
or Canyon Rd.			
LEGEND	NOTES		
Sewer Line Sewer MH A	sset #: 80		
□ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □	ted by: BK/RM		
→	Date: 1-17-//		
O & M HISTORY (Applies to manhole and segment Inspec	ation #:		
downstream of manhole) Group Pri			
LOCATION DESCRIPTION		DDIODITY	
Public Impact		PRIORITY	
(Proximity to public facilities, Economic impact, Public health or safe	ty concerns)	icture No.	
		otale 110.	
Environmental		5	
(Proximity to nearest drain inlet and waterway of the U.S. / Description	on of conditions)	cture No.	
Access / Safety			
Safe, readily accessible area, Traffic level, Strategic importance to c	peration of system) Pi	cture No.	

LOCATION CRITERIA FO LOCATION SKETCH BY SANITARY SEWER MANHOLE	RM Camera No General Picture No Drainage Picture No	
BH BI		
Canyon Rd		
LEGEND	NOTES	
Sewer Line Sewer MH	Asset #: /8/	
The storm Drain Line	pleted by: RM/RK	
→ Likely spill path	Date: /-/7-//	
O & M HISTORY (Applies to manhole and segment Ins	pection #:	
	Project#:	· <u></u>
OCATION DESCRIPTION		7
OCATION DESCRIPTION Public Impact		PRIORITY
Proximity to public facilities, Economic impact, Public health or s	ofoty company	
The results of Economic Impact, Fubilic fleatin or s	arety concerns)	Picture No.
nvironmental		~
Proximity to nearest drain inlet and waterway of the U.S. / Descri	ption of conditions)	icture No.
ccess / Safety		
Safe, readily accessible area, Traffic level, Strategic importance to	o operation of auto-	
The state of the s	o operation of system) P	cture No.

LOCATION SKET		ATION CRITERI Y SEWER MANHO		Camera No. General Picture No. Drainage Picture No.	885
		[176]	# 182 Is to channe	1 Valdeflor	ES/
				fs.	
A				Los	es
	LEGEND			NOTES	
Sewer Li		Sewer MH	Asset #:	187	
Storm Dr		☐Drain Inlet Valve	Completed by:	PM /RK	
->-> Likely spi		➤ Photo Direction	Date:	1-18-11	
		hole and segment	Inspection #:	10 11	
O & M HISTORY	downstream of	_	Group Project#:		
		, , , , , , , , , , , , , , , , , , ,	Croup i Tojecur.		
	A	77			_
LOCATION DESCRI	PTION				
Public Impact		No.			PRIORITY
(Proximity to public fa	cilities, Economic	impact, Public hea	Ith or safety concer	ns) Pi	cture No.
					oture 140.
					
Environmental					5
Proximity to nearest	train inlet and wa	terway of the U.S. /	Description of cond	litions) Pi	cture No.
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Access / Safety					
	nia araa Teoffic is	val Chatanin in		_	/
Safe, readily accessit	ne area, Traffic le	vei, Strategić impor	tance to operation of	of system) Pic	ture No.
					
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Proximity to public facilities, Economic impact, Public health or safety concerns) Picture N Proximity to public facilities, Economic impact, Public health or safety concerns) Proximity to public facilities, Economic impact, Public health or safety concerns) Picture N Proximity to nearest drain inlet and waterway of the U.S. / Description of conditions) Picture N LOCATION CRITERIA LOCATION SKETCH BY SANITARY SEWER MANHOLI	General Picture No.	
O & M HISTORY (Applies to manhole and segment downstream of manhole) OCATION DESCRIPTION PRIOR Proximity to public facilities, Economic impact, Public health or safety concerns) Proximity to nearest drain inlet and waterway of the U.S. / Description of conditions) Picture Note that the proximity to nearest drain inlet and waterway of the U.S. / Description of conditions)	LEGEND Sewer Line Storm Drain Line Drain Inlet Water Line Valve	S? - C.O. not in drawing Structure snown on drawing NOTES Asset #: B3 ? Completed by: BK Ba
Proximity to public facilities, Economic impact, Public health or safety concerns) Picture N Proximity to public facilities, Economic impact, Public health or safety concerns) Proximity to nearest drain inlet and waterway of the U.S. / Description of conditions) Picture Nearest drain inlet and waterway of the U.S. / Description of conditions)	O & M HISTORY (Applies to manhole and segment	Inspection #:
Proximity to nearest drain inlet and waterway of the U.S. / Description of conditions) Picture No. Ccess / Safety	Public impact	th or safety concerns) PRIORIT [Picture No.
		tance to operation of system) Picture No.

	LOC	ATION CRITERIA	A FORM	General Picture	
LOCATION SKETC	H BY SANITAR	Y SEWER MANHOL	<u>E</u>	Drainage Picture	
Cany	on Rd,		10/0	pen dramed	lrains to Pipe at 190
N.			# 185 20 Curls		
Sewer Lin	ain Line	Sewer MH Drain Inlet Valve	Asset #: Completed by:	NOTES 185 BK/RM	
->> Likely spi		➢ Photo Direction	Date:	1-14-11	
O & M HISTORY		nhole and segment	Inspection #:		
	downstream of	f manhole)	Group Project#:	·	
1			-		
	27.04	<u> </u>			
LOCATION DESCRI Public Impact	PHON				PRIORITY
•	acilities. Econom	ic impact, Public hea	lth or safety cond	erns)	Picture No.
					T lotale 110.
Environmental					4
Proximity to nearest	drain inlet and w	vaterway of the U.S.	Description of co	onditions)	Picture No.
<u> </u>					
Access / Safety	. <u> </u>				1
-	ible area, T raffic	level, Strategic impo	rtance to operation	on of system)	Picture No.
	· · · · · · · · · · · · · · · · · · ·				

LOCATION SKETC		CATION CRITERIA ARY SEWER MANHOL		Camera N General Picture N Drainage Picture N	lo.
		3052			
		(1)	¥186	200ft. 7	
97			ı	Canyon Rd.	drains outlet pipelo creek
	LEGEND			NOTES	
Sewer Lir		Sewer MH	Asset	186,	
······ Water Lin		☐Drain Inlet ►Valve	Completed by	y. BK/RM	
->-> Likely spi		➢ Photo Direction	Date	=: 1-14-11	
O & M HISTORY		manhole and segment	Inspection		
	downstream	of manhole)	Group Project	f :	
OCATION DESCRI	PTION				PRIORIT
Public Impact					/
Proximity to public fa	acilities, Econ	omic impact, Public hea	Ith or safety co	ncerns)	Picture No.
invironmental					
	drain inlet and	d waterway of the U.S.	Description of	conditions)	Picture No.
		a material of the order	3 COMPACT OF		- 10taro 140.
Access / Safety					
Safe, readily accessi	ible area, Traf	fic level, Strategic impo	rtance to opera	tion of system)	Picture No.
					
		.		<u></u>	

LOCATION CRITERIA FORM LOCATION SKETCH BY SANITARY SEWER MANHOLE	Camera No. General Picture No. Drainage Picture No.	840
3.052		
creek 10' I # 187 of roadwa	NOTES	
Sewer Line Sewer MH Asset #: Drain Inlet Water Line Valve Sewer MH Completed by: Photo Direction Date:	187 BK/RM 1-14-11	
O & M HISTORY (Applies to manhole and segment downstream of manhole) Inspection #: Group Project#:		
LOCATION DESCRIPTION Public Impact		PRIORITY
(Proximity to public facilities, Economic impact, Public health or safety conc	erns)	Picture No.
Environmental (Proximity to nearest drain inlet and waterway of the U.S. / Description of co	enditions)	S Picture No.
Access / Safety (Safe, readily accessible area, Traffic level, Strategic importance to operation	n of system)	/ Picture No.

	Camera No. eral Picture No. ege Picture No.	<i>8</i> \$\$
Canyon Rd 3 059 188		
97		
Sewer Line Sewer MH Asset #: 178 Storm Drain Line Drain Inlet Water Line Valve Sewer MH Completed by: LM/C Photo Direction O & M HISTORY Sewer MH Asset #: 178 Completed by: LM/C Date: 1-28		
downstream of manhole) Group Project#: OCATION DESCRIPTION		PRIORITY
Public Impact Proximity to public facilities, Economic Impact, Public health or safety concerns)	F	l Picture No.
invironmental Proximity to nearest drain inlet and waterway of the U.S. / Description of conditions)	F	Picture No.
access / Safety Safe, readily accessible area, Traffic level, Strategic importance to operation of syste	em) P	icture No.
		

LOCATION SKETC		CATION CRITERIA RY SEWER MANHOL		Camera No General Picture No Drainage Picture No).
Sewer Lir		3053 Sewer MH □ Drain Inlet	Asset #:	NOTES 189	
····· Water Lin		✓ Valve	Completed by:	55_	
->-> Likely spil	l path	➢ Photo Direction	Date:	2011-01-14	
O & M HISTORY	(Applies to n	nanhole and segment of manhole)	Inspection #: _ Group Project#:		
			2-11-12-1		
OCATION DESCRI	PTION				PRIORIT
Public Impact Proximity to public fa	cilities, Econo	omic impact, Public hea	ilth or safety conce	rns)	Picture No
nvironmental					6
Proximity to nearest	drain inlet and	waterway of the U.S.	Description of cor	nditions)	Picture No
ccess / Safety					
•	ble area, Trafi	ic level, Strategic impo	rtance to operation	of system)	Picture No.

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LOCATION SKETC		ATION CRITERIA Y SEWER MANHOL		Camera N General Picture N Drainage Picture N	o
			[30		
		*2	₩#190	50ft.	
A A	-	130	53	Pipe to Creek	
Sewer Lin Storm Dra Water Lin Likely spi	ain Line e	Sewer MH Drain Inlet Valve Photo Direction	Asset #:_ Completed by:_ Date:	NOTES 190 BK/RM 1-14-1/	
O & M HISTORY	(Applies to made downstream of	nhole and segment fmanhole)	Inspection #: _ Group Project#:		
LOCATION DESCRI Public Impact (Proximity to public fa		ic impact, Public hea	Ith or safety conce	rns)	PRIORITY / Picture No.
Environmental (Proximity to nearest	drain inlet and w	aterway of the U.S. /	Description of cor	nditions)	S Picture No.
Access / Safety (Safe, readily accessil	ble area Troffic	level Strategic impo	tance to operation	of system)	Pietro No
caro, roddily doodssii	olo aloa, Halifo	iover, or aregic impor	tance to operation	or system)	Picture No.

LOC LOCATION SKETCH BY SANITAI	CATION CRITERIA		Camera N General Picture N Drainage Picture N	o
Volde Flores		Conyon Rd.		
Sewer Line Storm Drain Line Water Line Likely spill path O & M HISTORY Applies to m	Sewer MH Drain Inlet Valve Photo Direction anhole and segment	Asset #:_ Completed by: Date: Inspection #:_	curb Next Avains Pipe NOTES 191 BR/RM 1-14-11	directly to MH to MH at MIT 191
downstream	of manhole)	Group Project#:		
OCATION DESCRIPTION Public Impact Proximity to public facilities, Econor	nic impact, Public hea	alth or safety conce	erns)	PRIORITY Picture No.
Environmental Proximity to nearest drain inlet and	waterway of the U.S.	/ Description of cor	nditions)	Picture No.
Access / Safety Safe, readily accessible area, Traffi	c level, Strategic impo	rtance to operation	n of system)	Picture No.
				+

Camera No. 840 **LOCATION CRITERIA FORM** General Picture No. LOCATION SKETCH BY SANITARY SEWER MANHOLE Drainage Picture No. **LEGEND NOTES** Sewer MH Sewer Line Asset #: 192 Storm Drain Line Drain Inlet Completed by: **Water Line ▶** Valve Likely spill path ▶ Photo Direction Date: 2011-01-14 (Applies to manhole and segment Inspection #: O & M HISTORY downstream of manhole) Group Project#: LOCATION DESCRIPTION **PRIORITY** Public Impact (Proximity to public facilities, Economic impact, Public health or safety concerns) Picture No. **Environmental** (Proximity to nearest drain inlet and waterway of the U.S. / Description of conditions) Picture No. Access / Safety (Safe, readily accessible area, Traffic level, Strategic importance to operation of system) Picture No.

LOCATION SK		CATION CRITERIA ARY SEWER MANHOL		Camera No. General Picture No. Dralnage Picture No.	
3 7	3059	Cany	on Ry		
Ĥ.	LEGEND			NOTES	
Sew	er Line	Sewer MH	Asset #:	194	
4	m Drain Line	☐ Drain Inlet	Completed by:	53	
	er Line ly spill path	► Valve ► Photo Direction	_	2011/11/4	
	/Applies to a	manhole and segment	Inspection #:	2011	
O & M HISTO	AK I	of manhole)	Group Project#:		
		- W-1			
LOCATION DES	SCRIPTION				PRIORITY
Pubiic Impact					}
ľ	olic facilities, Econ	omic impact, Public hea	alth or safety conce	erns) [Picture No.
Environmental				L	Ч
(Proximity to nea	arest drain inlet and	d waterway of the U.S.	/ Description of cor	nditions) F	Picture No.
	···				
Access / Safety				L	4
(Safe, readily ac	cessible area, Traf	fic level, Strategic impo	rtance to operation	n of system)	Picture No.

LOCATION CRITERIA F	ORM Camera No. 475 General Picture No.
LOCATION SKETCH BY SANITARY SEWER MANHOLE	Drainage Picture No.
130	drains te residence
Tiptoe Ln	
LEGEND Sewer Line Sewer MH Description	NOTES Asset #: 199 pmpleted by: 2M/B/L
→ Likely spill path	Date: 1-28-11
U a m nisturt	nspection #:up Project#:
LOCATION DESCRIPTION	PRIORITY
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Environmental	
	Scription of conditions) Dietum No.
(Proximity to nearest drain inlet and waterway of the U.S. / Des	scription of conditions) Picture No.
Access / Safety	
(Safe, readily accessible area, Traffic level, Strategic important	ce to operation of system) Picture No.

LOCATION SKETCH BY	LOCATION CRITERIA SANITARY SEWER MANHOL		Camera N General Picture N Drainage Picture N	o
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	Tiptoe			
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	EGEND Province MILL	Accet	NOTES	
Sewer Line Storm Drain L	Sewer MH	Asset #:_	20%	
····· Water Line	₩Valve	Completed by:	RM/BR	
->> Likely spill pat	h > Photo Direction	Date:_	1-28-11	
O & M HISTORY (Ap	plies to manhole and segment	Inspection #:_		
	vnstream of manhole)	Group Project#:		
LOCATION DESCRIPTIO	N			PRI
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(Proximity to public facilities	es, Economic impact, Public hea	nn or sarety conce	erns)	Pictur
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Access / Safety				7
_	rea, Traffic level, Strategic impor	rtance to operation	of system)	Picture
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LOCATION SKETO	LOCATION CRITERIA CH BY SANITARY SEWER MANHOL	GE	Camera No. XX neral Picture No.
		130 #2	Ġ
Sewer L	LEGEND ine Sewer MH rain Line Drain Inlet	Asset #: 20	
O&MHISTORY	ill path Photo Direction (Applies to manhole and segment	Date:/_ Inspection #: Group Project#:	1/BK 2811
O & M HISTORY LOCATION DESCR	oill path Photo Direction (Applies to manhole and segment downstream of manhole)	Date:	
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LOCATION SKETC	LOCATION CRITER CH BY SANITARY SEWER MANH		Camera No. General Picture No. Orainage Picture No.	88
	Confor Rd			
	drains to C.B 15'away BACO	# # role Tiptoe		
Sewer Li		Asset #:	NOTES 205	\
Water Lin	ne Valve	Completed by:	1/BK 1-28-11	
O & M HISTORY	(Applies to manhole and segment downstream of manhole)		- Co //	
LOCATION DESCR	IPTION			PRIO
Public Impact (Proximity to public for	facilities, Economic impact, Public h	nealth or safety concern	s) F	icture !
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E 4000 A 14 A 4	t drain inlet and waterway of the U.	S. / Description of condi	tions) P	icture N
(Proximity to nearest				-
Access / Safety	sible area, Traffic level, Strategic im	portance to operation o	f system) D	icture N

Public Impact (Proximity to public facilities, Economic impact, Public health or safety concerns) Picture Environmental (Proximity to nearest drain inlet and waterway of the U.S. / Description of conditions) Picture Access / Safety	- 385 -	
LEGEND Sewer Line Sewer MH Storm Drain Line Likely spill path Drain Inlet Likely spill path Description O & M HISTORY (Applies to manhole and segment downstream of manhole) LOCATION DESCRIPTION Public Impact (Proximity to public facilities, Economic impact, Public health or safety concerns) Environmental (Proximity to nearest drain inlet and waterway of the U.S. / Description of conditions) NOTES NOTES NOTES NOTES NOTES NOTES NOTES Asset #: 206 Completed by: P.M / BK Date: 1-23-// Inspection #: Group Project#:		
LEGEND Sewer Line Sewer MH Storm Drain Line Water Line Sewer MH Storm Drain Line Water Line Sewer MH Storm Drain Line Drain Inlet Sewer MH Storm Drain Line Drain Inlet Sewer MH Storm Drain Line Drain Inlet Sewer MH Completed by: PM/BK Date: 1-28-11 Inspection #: Group Project#: LOCATION DESCRIPTION Public Impact (Proximity to public facilities, Economic impact, Public health or safety concerns) Environmental (Proximity to nearest drain inlet and waterway of the U.S. / Description of conditions) Access / Safety		
→ Likely spill path		
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(Proximity to nearest drain inlet and waterway of the U.S. / Description of conditions) Picture Access / Safety	ure N	
Access / Safety	5	
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(Sate, readily accessible area, Traffic level, Strategic importance to operation of system)		
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	LC	CATION CRITERIA	FORM	Camera No General Picture No	
LOCATION SKI	ETCH BY SANIT	ARY SEWER MANHOL	E	Drainage Picture No	D
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	LEGEND			NOTES	_
/ /	r Line	Sewer MH	Asset #:	209	
	n Drain Line r Line	☐Drain Inlet ► Valve	Completed by:	RMIBK	
	r Line / spill path	➢ Photo Direction	Date:	1-28-11	
	(Applies to	manhole and segment	Inspection #:		
O & M HISTOI	RY	n of manhole)	Group Project#:		
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LOCATION DES	CRIPTION	<u> </u>			PRIO
Public Impact					
(Proximity to pub	lic facilities, Econ	omic impact, Public hea	ith or safety conc	erns)	Picture N
					
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LOCATION SKET		CATION CRITERIA ARY SEWER MANHOL		Camera No General Picture No Drainage Picture No	D
		196		# 210	80
····· Water Li	rain Line ine	Sewer MH Drain Inlet Valve	Asset #:	NOTES 210 PM/BK	
O & M HISTORY	(Applies to	➢ Photo Direction manhole and segment of manhole)	Date: _ Inspection #: _ Group Project#:	1-29-11	
LOCATION DESCR Public Impact (Proximity to public		omic i m pact, Public hea	ilth or safety conc	erns)	PRIO / Picture
Environmental (Proximity to neares	t drain inlet and	d waterway of the U.S.	/ Description of co	enditions)	S Picture I

LOCATION		OCATION CRITERIATERIATERIATERIATERIATERIA		Camera N General Picture N Drainage Picture N	0.
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s	LEGEND ewer Line torm Drain Line /ater Line	Sewer MH Drain Inlet	Asset #: Completed by:	NOTES All ARE	Cr
•	kely spill path TORY (Applies to	➤ Photo Direction manhole and segment	Date: Inspection #: Group Project#:	204-01-20	
Public Impac		nomic impact, Public hea	ith or safety conce	ms)	PRIORI Picture No
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LOCATION SKETCH BY SA	LOCATION CRITERIA ANITARY SEWER MANHOL		Camera No. General Picture No. Drainage Picture No.	
ST	35			
Sewer Line Storm Drain Line Water Line Likely spill path	● Sewer MH	Asset #: Completed by: Date:	NOTES 312 AR 2011-01-20	
		Inspection #: _ Group Project#:	lile to open	
LOCATION DESCRIPTION Public Impact (Proximity to public facilities, E	Pic 2055	£ 2056		PRIORI
Environmental (Proximity to nearest drain inle	et and waterway of the U.S. /	Description of co	nditions) P	니 Picture No
Access / Safety				ч

LOCATION SKET	LOCATION CRI		Camera No General Picture No Drainage Picture No	D
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Sewer L. Storm Di Water Li Stely sp	rain Line Drain Inle	Completed by:	NOTES 213 AR 201-01-20	
LOCATION DESCR Public Impact (Proximity to public for	PTION acilities, Economic impact, Pub	lic health or safety conce	ms)	PRIORITY Picture No.
Environmental (Proximity to nearest	drain inlet and waterway of the	U.S. / Description of con	nditions)	4 Picture No.
Access / Safety (Safe, readily access	ible area, Traffic level, Strategic	c importance to operation	of system)	9 Picture No.

LOCATION SKETCI		CATION CRITERIA		Camera No. General Picture No. Drainage Picture No.	\$40
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	LEGEND		A.44.	NOTES	
Sewer Lin Storm Dra Water Lin Sikely spil	ain Line le	Sewer MH Drain Inlet Valve Photo Direction	Asset #: Completed by: Date:	216 BK/RM 1-14-11	
O & M HISTORY	(Applies to modern downstream	nanhole and segment of manhole)	Inspection #: Group Project#:		
LOCATION DESCRI					PRIORITY
Public Impact		omic impact, Public hea	ılth or safety conc	erns)	Priority / Picture No.
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Access / Safety (Safe, readily accessil	ble area, Trafl	fic level, Strategic impo	ortance to operatio	n of system)	Picture No.

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Sewer Line Storm Drain Line Drain Inlet Water Line Storm Drain Line Water Line Drain Inlet Water Line Drain Inlet	<i>S</i> √		3028		
Tikely spill path	Sewer Line Storm Drain	Sewer MH Line Drain Inlet		217	
Proximity to public facilities, Economic impact, Public health or safety concerns) Proximity to public facilities, Economic impact, Public health or safety concerns) Proximity to public facilities, Economic impact, Public health or safety concerns) Proximity to public facilities, Economic impact, Public health or safety concerns) Proximity to public facilities, Economic impact, Public health or safety concerns) Proximity to public facilities, Economic impact, Public health or safety concerns) Proximity to public facilities, Economic impact, Public health or safety concerns) Proximity to public facilities, Economic impact, Public health or safety concerns) Proximity to public facilities, Economic impact, Public health or safety concerns)	> Likely spill pa	Applies to manhole and segment	Inspection #:		
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	*	area, Traffic level, Strategic impo	rtance to operation	of system)	Picture No.

LOCATION CRITERIA	A FORM	General Picture No.	- Saa
LOCATION SKETCH BY SANITARY SEWER MANHOL	.E	Drainage Picture No.	
LEGEND Sewer Line Sewer MH Drain Inlet	Asset #:_	NOTES	
······ Water Line ✓ Valve	Completed by:	SS	
→ Likely spill path > Photo Direction	Date:	2011-01-11]
O & M HISTORY (Applies to manhole and segment downstream of manhole)	Inspection #: _ Group Project#:	<u> </u>	
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LOCATION DESCRIPTION			PRIORITY
Public Impact			
(Proximity to public facilities, Economic impact, Public hea	Ith or safety conce	rns)	Picture No.
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(Proximity to nearest drain inlet and waterway of the U.S. /	/ Description of cor	nditions)	Picture No.
			
Access / Safety			M 1
(Safe, readily accessible area, Traffic level, Strategic impo	rtance to operation	of system)	Picture No.

OCATION SKETCH	LOCATION CRITERIA BY SANITARY SEWER MANHOL		Camera No General Picture No Drainage Picture No	
an Connan	Tian			3
	LEGEND		NOTES	
Sewer Line	-	Asset #:	219	
····· Water Line	e ⊠ Valve	Completed by:	S.AR	
>>> Likely spill		Date: _	2011-01-17	
O & M HISTORY	(Applies to manhole and segment	Inspection #: _		<u>-</u>
	downstream of manhole)	Group Project#:		
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ublic impact				
roximity to public fac	cilities, Economic impact, Public hea	ith or safety conce	ms)	Picture No
nvironmental		45	190 N	4
roximity to nearest o	frain inlet and waterway of the U.S.	Description of cor	iditions)	Picture No
ccess / Safety				1
afe, readily accessit	ole area, Traffic level, Strategic impo	rtance to operation	of system)	Picture No

LOCATION SKETC		ATION CRITERIA RY SEWER MANHOL		Camera No General Picture No Drainage Picture No	
			TiaraCT	7	
	LEGEND			NOTES	
Sewer Lir Storm Dra Water Lin Likely spil	ain Line le Il path	Sewer MH Drain Inlet Valve Photo Direction anhole and segment of manhole)	Asset #: _ Completed by: _ Date: _ Inspection #: _ Group Project#:	200 AR 2011-01-17	
I COATION DECOR	DTION				2210212
LOCATION DESCRI	PTION				PRIORITY /
• 10.11	cilities, Econon	nic impact, Public hea	ith or safety conce	erns)	Picture No.
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Environmental	desiminate and .	waterway of the 11 C	/ Decembration of co-	- disi	4
(Proximity to nearest	orain iniet and \	waterway of the U.S.	Description of col	nartions)	Picture No.
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Access / Safety					4
(Safe, readily accessi	ble area, Traffic	c level, Strategic impo	rtance to operation	n of system)	Picture No.

LOCATION SKETC		CATION CRITERIA ARY SEWER MANHOL	_	Camera General Picture Drainage Picture	No.
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	LEGEND			NOTES	
Sewer Li	ine	Sewer MH	Asset #:	221	
Storm Dr		Drain Inlet	Completed by:	em/BK	
vvater Lir	ne	Valve	Completed by.	CPI 1 DE	
······ Water Lir → ➤ Likely sp		➤ Photo Direction	Date:	1-27-11	
	ill path (Applies to n	▶ Photo Direction manhole and segment	Date: Inspection #:	1-27-11	
→→ Likely sp	ill path (Applies to n	▶ Photo Direction	Date:	1-27-11	
→→ Likely sp	ill path (Applies to n	▶ Photo Direction manhole and segment	Date: Inspection #:	1-27-11	
O & M HISTORY LOCATION DESCRI	ill path (Applies to n downstream	▶ Photo Direction manhole and segment	Date: Inspection #:	1-27-11	PRIO
O & M HISTORY LOCATION DESCRIPUBLIC Impact	ill path (Applies to n downstream	⇒ Photo Direction manhole and segment of manhole)	Date: Inspection #: Group Project#:	1-27-11	
O & M HISTORY LOCATION DESCRIPUBLIC Impact	ill path (Applies to n downstream	▶ Photo Direction manhole and segment	Date: Inspection #: Group Project#:	1-27-11	PRIO
O & M HISTORY LOCATION DESCRIPUBLIC Impact	ill path (Applies to n downstream	⇒ Photo Direction manhole and segment of manhole)	Date: Inspection #: Group Project#:	1-27-11	
O & M HISTORY LOCATION DESCR Public Impact (Proximity to public fa	ill path (Applies to n downstream	⇒ Photo Direction manhole and segment of manhole)	Date: Inspection #: Group Project#:	1-27-11	Picture I
Description Description Location Location Description Location Loc	ill path (Applies to not downstream IPTION acilities, Econo	Photo Direction nanhole and segment of manhole) omic impact, Public hea	Date: Inspection #: Group Project#:	1-27-11 erns)	Picture I
Description Description Location Location Description Location Loc	ill path (Applies to not downstream IPTION acilities, Econo	⇒ Photo Direction manhole and segment of manhole)	Date: Inspection #: Group Project#:	1-27-11 erns)	Picture I
Description Description LOCATION DESCRIPTION DESCRIPTION (Proximity to public factors)	ill path (Applies to not downstream IPTION acilities, Econo	Photo Direction nanhole and segment of manhole) omic impact, Public hea	Date: Inspection #: Group Project#:	1-27-11 erns)	Picture I
D&M HISTORY LOCATION DESCRIPUBLIC Impact (Proximity to public fate) Environmental (Proximity to nearest)	ill path (Applies to not downstream IPTION acilities, Econo	Photo Direction nanhole and segment of manhole) omic impact, Public hea	Date: Inspection #: Group Project#:	1-27-11 erns)	Picture I
D&M HISTORY LOCATION DESCRIPUBLIC Impact (Proximity to public factorized in the content of the	ill path (Applies to modownstream) IPTION acilities, Economical drain inlet and	Photo Direction nanhole and segment of manhole) omic impact, Public hea	Date: Inspection #: Group Project#: alth or safety conc	erns)	Picture I

OCATION SKETC	LOCATION CRITERI H BY SANITARY SEWER MANHO		Camera No. General Picture No. Drainage Picture No.	\$85
	#211 #222 200 LEGEND		Glen Aulin	
— Sewer Lir · Storm Dr · Storm Dr · · · · · · · · · · · · · · · · ·	ain Line Drain Inlet Draive	Asset #: Completed by: Date:	222 RM/BK 1-27-11	
O & M HISTORY	(Applies to manhole and segment downstream of manhole)	Inspection #: Group Project#:		
CATION DESCRI blic impact oximity to public fa	PTION acilities, Economic impact, Public hea	alth or safety conce	erns) F	PRIORIT / Picture No.
vironmental oximity to nearest	drain inlet and waterway of the U.S.	/ Description of cor	nditions) F	≤ Picture No.
cess / Safety fe, readily accessi	ble area, Traffic level, Strategic impo	ortance to operation	n of system) P	/ icture No.

		Camera No. General Picture No. Drainage Picture No.	840
ST TULE	34 90	148	
LEGEND Sewer Line Sewer MH Drain Inlet Water Line Valve	Asset #: Completed by:	NOTES AL AL	
→ Likely spill path	Date: Inspection #: Group Project#:	2011-01-20	
Public Impact	lith or safety conce	ms) F	PRIORIT
	Description of con	ditions) P	# icture No.
544-75. P.75	rtance to operation	of system) P	4 icture No.
	LEGEND Sewer Line Storm Drain Line Water Line Likely spill path Description Applies to manhole and segment downstream of manhole) COCATION DESCRIPTION Public Impact Proximity to public facilities, Economic impact, Public head Servironmental Proximity to nearest drain inlet and waterway of the U.S. Access / Safety	LEGEND Sewer Line Storm Drain Line Drain Inlet Water Line Likely spill path Description O & M HISTORY (Applies to manhole and segment downstream of manhole) COCATION DESCRIPTION Public Impact Proximity to public facilities, Economic impact, Public health or safety conce	Sewer Line Sewer Line Sewer MH Sewer MH Sewer MH Sewer MH Sewer Line Sewer Line Sewer Line Sewer MH Se

LOCATION CRITERIA FORM LOCATION SKETCH BY SANITARY SEWER MANHOLE	Camera No. General Picture No. Drainage Picture No.	840
Sewer Line Storm Drain Line Water Line Water Line Water Line Water Spill path Photo Direction O & M HISTORY (Applies to manhole and segment downstream of manhole) Completed by: Date: Inspection #: Group Project#:	NOTES 224 AR 2011-01-18	
LOCATION DESCRIPTION Public Impact (Proximity to public facilities, Economic impact, Public health or safety conce	rns)	PRIORITY / Picture No.
Environmental (Proximity to nearest drain inlet and waterway of the U.S. / Description of cor Access / Safety (Safe, readily accessible area, Traffic level, Strategic importance to operation		Picture No.

LOCATION CRITERIA FORM LOCATION SKETCH BY SANITARY SEWER MANHOLE	Camera No. General Picture No. Drainage Picture No.	340
LEGEND Sewer Line Sewer MH Asset #: Completed by:	NOTES 225 AC	
→ Likely spill path	2011-01-18	
LOCATION DESCRIPTION Public Impact (Proximity to public facilities, Economic impact, Public health or safety conce	ems)	PRIORITY Picture No.
Environmental (Proximity to nearest drain inlet and waterway of the U.S. / Description of cor	nditions)	L Picture No.
Access / Safety (Safe, readily accessible area, Traffic level, Strategic importance to operation	n of system)	/ Picture No.

LOCATION CRITERIA FORM LOCATION SKETCH BY SANITARY SEWER MANHOLE	Camera No. General Picture No. Drainage Picture No.	XXS
LEGEND Sewer Line Sewer MH Asset #: Drain Inlet Water Line Water Line Completed by:		
LOCATION DESCRIPTION Public Impact (Proximity to public facilities, Economic impact, Public health or safety cond	erns) F	PRIORITY (Picture No.
Environmental (Proximity to nearest drain inlet and waterway of the U.S. / Description of co	onditions) F	Sicture No.
Access / Safety (Safe, readily accessible area, Traffic level, Strategic importance to operation	on of system) P	/ icture No.

LOCATION SKETCI		ATION CRITERIA SEWER MANHOI		Camera No. General Picture No. Drainage Picture No.	X40
Sewer Lin	in Line	Sewer MH Drain Inlet Valve	Asset #: Completed by:	NOTES AP	
→ Likely spill		▶ Photo Direction	Date:	2011-01-25	
O & M HISTORY	(Applies to man	hole and segment	Inspection #:		
	downstream of	manhole)	Group Project#:		
		8535			
OCATION DESCRIP	PTION				PRIORITY
Public Impact					
Proximity to public fac	cilities, Economic	impact, Public hea	Ith or safety conce	rns) P	icture No.
nvironmental					4
Proximity to nearest d	Irain inlet and wa	terway of the U.S.	Description of cor	nditions) P	icture No.
ccess / Safety					4
Safe, readily accessib	le area, Traffic le	evel, Strategic impo	rtance to operation	of system) Pi	cture No.

LOCATION CRITERIA FORM Camera No. General Picture No. Drainage Picture No.				
AD AD AD AD AD AD AD AD AD AD AD AD AD A		NOTES		
Sewer Line Sewer MH	Asset #:	228		
Storm Drain Line □ Drain Inlet □ Valve	Completed by:	AR		
→ Likely spill path > Photo Direction	Date:	2011-01-18	· · · · · · · · · · · · · · · · · · ·	
(Applies to manhole and segment	Inspection #:			

downstream of manhole)

(Proximity to public facilities, Economic impact, Public health or safety concerns)

(Proximity to nearest drain inlet and waterway of the U.S. / Description of conditions)

(Safe, readily accessible area, Traffic level, Strategic importance to operation of system)

LOCATION DESCRIPTION

Public Impact

Environmental

Access / Safety

Group Project#:

PRIORITY

Picture No.

Picture No.

Picture No.

LOCATION CRITERIA	FORM	Camera No. General Picture No.	840
LOCATION SKETCH BY SANITARY SEWER MANHOL	E	Drainage Picture No.	
Sewer Line Sewer MH Storm Drain Line Water Line Water Line Water Line Water Spill path Photo Direction O & M HISTORY (Applies to manhole and segment downstream of manhole)	Asset #:_ Completed by:_ Date:_ Inspection #:_ Group Project#:	NOTES 229 AR 2011-01-18	
	Croop r rojoum.		
LOCATION DESCRIPTION			PRIORITY
Public Impact			/
(Proximity to public facilities, Economic impact, Public hea	ilth or safety conce	ms)	Picture No.
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Faultoniantal			7.
Environmental	(Barata)		4
(Proximity to nearest drain inlet and waterway of the U.S.	Description of con	artions)	Picture No.
Access / Safety			7
(Safe, readily accessible area, Traffic level, Strategic impo	rtance to operation	of system)	Picture No.
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I OCATION SKETO	LOCATION CRITERI		Camera No. General Picture No.	840
LOCATION SKETC	CH BY SANITARY SEWER MANHO		Drainage Picture No.	
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Sawas Li	LEGEND	A A 44:	NOTES	— ;:
Sewer Li		Asset #:	230	
····· Water Lir	ne Valve	Completed by:	AR	
->-> Likely spi		Date:	2011-01-25	
O & M HISTORY	(Applies to manhole and segment	Inspection #:		
	downstream of manhole)	Group Project#:		
LOCATION DESCRI	BTION			
Public Impact	FIION	<u> </u>	T	PRIORITY
•	acilities, Economic impact, Public hea	ilth or safety conce	ms)	icture No.
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Environmental				4
(Proximity to nearest	drain inlet and waterway of the U.S.	Description of con	ditions) P	icture No.
Access / Safety				
1000 V	bie area, Traffic level, Strategic impo	rtance to operation	of system)	4/
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LOCATION SKETC	LOCATION CRITERIA H BY SANITARY SEWER MANHOI		Camera No. General Picture No. Drainage Picture No.	<i>\$</i> %s
Location sketch		io] Glen Aulin		
Sewer Lington Sewer Lington Storm Dr. Storm Dr. Water Lington Water Lington Sewer Li	ain Line Drain Inlet Drain Valve	_	NOTES 231 RM/BR 1-27-11	
LOCATION DESCRI Public impact (Proximity to public fa	PTION acilities, Economic impact, Public hea	alth or safety conce	ms) F	PRIORITY / Dicture No.
Environmental (Proximity to nearest	drain inlet and waterway of the U.S.	/ Description of con	ditions) P	Sicture No.
Access / Safety (Safe, readily accessi	ble area, Traffic level, Strategic impo	ortance to operation	of system) P	icture No.

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Technical Memorandum

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Prepared for: County of San Mateo, Burlingame Hills Sewer Maintenance District

Project Title: Wastewater Collection System Capacity Assurance Plan and Master Plan Update

Project No: 139924-003-001

Technical Memorandum No. 2

Subject: Hydraulic Model Development (Task 3)

Date: February 18, 2011

To: Mark Chow, P.E., Principal Civil Engineer

From: Christopher Peters, P.E., Engineer in Responsible Charge,

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Technical Memorandum 2

Hydraulic Model Development

This Technical Memorandum 2 (TM 2) documents the development of a hydraulic model of the Burlingame Hills Sewer Maintenance District's (District) trunk sewers to evaluate their hydraulic capacity.

2.1 Introduction

The intent of the Burlingame Hills Sewer Maintenance District Wastewater Collection System Capacity Assurance Plan and Master Plan Update (Master Plan Update) project is to develop an update to the 1999 Master Plan utilizing flow monitoring data collected in the District and the City of Burlingame (City) in 2009 and field inspection data collected as part of this project.

2.1.1 Scope of Work

The scope of work for the Master Plan Update includes the following tasks:

- 1. Project Management
- 2. Infiltration/Inflow (I/I) Field Inspections
- 3. Hydraulic Model Development
- 4. System Performance Evaluation and Capacity Assurance Plan
- 5. Capital Improvement Plan Development

TM 2 is the deliverable for Task 3, Hydraulic Model Development.

2.1.2 Service Area

The District service area encompasses approximately 161 acres located in the County of San Mateo (County) on the San Francisco Peninsula. The District is roughly bounded by Canyon Road and Summit Drive in the south, Skyline Boulevard and Tiptoe Lane in the west, Hillside Drive and Adeline Drive in the north and Alvarado Avenue in the east. Figure 2-1 shows the District service area and collection system.

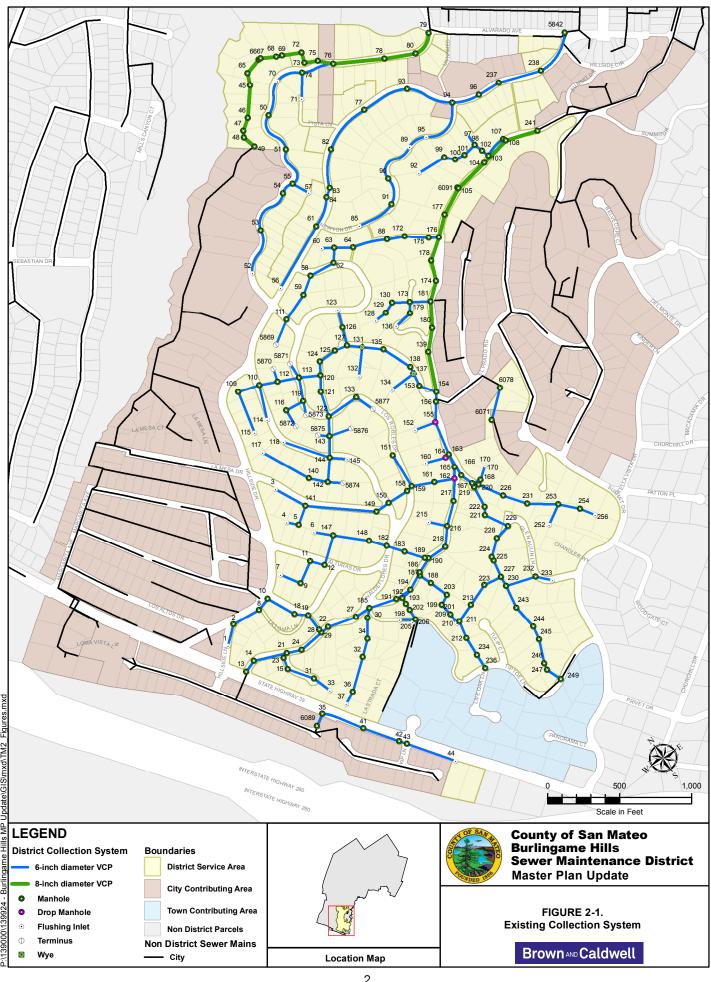
2.1.3 Existing Collection System

The District collection system consists of approximately 6.6 miles of 6-inch to 8-inch-diameter vitrified clay pipe. There are three main trunk sewers in the District, located on Adeline Drive, Canyon Road and Hillside Drive. These sewers roughly divide the District service area into three major drainage areas.

The District's collection system also transports City and Town of Hillsborough (Town) flows in the trunk sewers on Adeline Drive and Canyon Road and in the sewer on Canyon Road upstream of the trunk sewer. Flow monitoring data includes flows contributed by the City and Town, as well as the District. The contributing City and Town areas (approximately 165 acres) are also shown on Figure 2-1. District service area flows are conveyed by gravity to the City collection system and transported and treated at the City's wastewater treatment plant. Wastewater pumping stations are not required in the District due to the topography in the service area. The District trunk sewers discharge to the City's collection system at different locations.

2.1.4 Previous Planning Reports and Information

An evaluation of the District wastewater collection system was completed in 1999. The City, which transports and treats the District's wastewater and contributes flows to District sewers, prepared an evaluation of their wastewater collection system in 2010. Reports, planning documents, and information used in the development of this Master Plan Update are included in the References section.



2.2 Land Use Evaluation

This section describes existing land uses within the District service area and in contributing City and Town areas. Land use provides the basis for developing unit wastewater flows and wastewater flow projections for the Master Plan Update.

2.2.1 Information Sources

Land use information was assigned to each parcel within the District service area and contributing City and Town areas. Information used to develop the parcel land use information is summarized below.

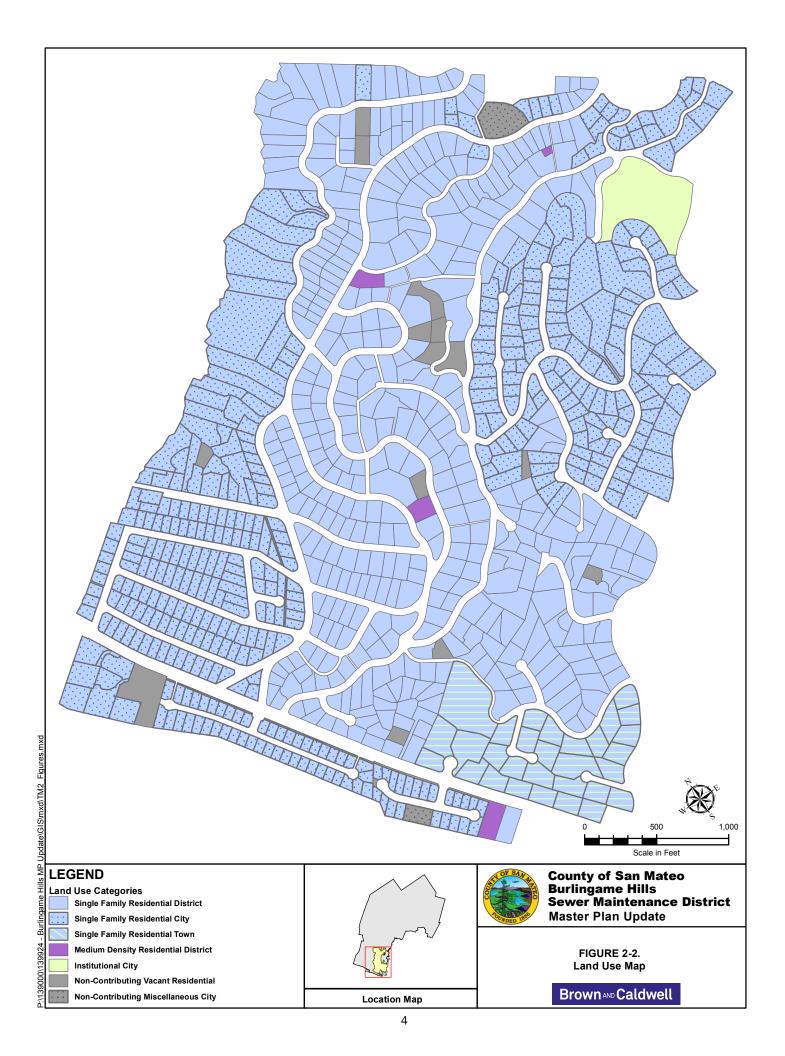
- Geographical Information System (GIS) data The County provided a GIS shapefile containing the County Tax Assessor's (Assessor's) parcel numbers (APNs), boundaries, and address information.
- San Mateo County parcel information Parcel information was received in a Microsoft® Access database including APNs and County Tax Assessor's land use codes for parcels.
- City of Burlingame 2010 Wastewater Collection System Master Plan The land uses developed in the City's 2010 Master Plan were used for contributing City parcels.
- City of Burlingame General Plan The City's General Plan consists of 10 elements, two of which were used for the land use analysis: the Land Use Element and the Housing Element, adopted in 1969 and 2002, respectively. Burlingame Hills is in the City sphere of influence.
- County of San Mateo General Plan The County's General plan Land Use and Housing Elements, adopted in 2003, were used for the land use analysis.
- Aerial Photography Aerial photography from Google Earth software was used to categorize the land use of some parcels originally of unknown land use.

2.2.2 Master Plan Update Land Use

The land use assignments for the area tributary to the District's collection system are shown on Figure 2-2. The majority of the parcels are single family residential. Table 2-1 summarizes the areas in each of the land use categories.

The areas served by the District are essentially fully developed and planning documents do not indicate substantial changes in land use distribution due to redevelopment in the study area. Therefore, this Master Plan Update evaluates current land use conditions and does not evaluate a future build-out land use scenario.

Table 2-1. Land Use Categories							
Master Plan	Assessor's Land Use Descriptions		nd Town	Contributing	District Service Area		
Land Use Category			Area (acres)	Percent of Total Area (%)	Parcel Count	Area (acres)	Percent of Total Area (%)
Single Family Residential	Residential, single family residence	458	154	47.1	418	155	47.5
Multi-Family Residential	Residential, miscellaneous	-	-	-	2	1.2	0.4
(Medium Density)	Residential, more than one detached residence	-	-	-	2	0.6	0.2
Institutional	Institutional, schools	1	6	1.9	-	-	-
Non-Contributing	Vacant, residential	7	3	1.0	10	4.1	1.3
	Miscellaneous, water companies, radio stations	2	2	0.6	-	-	-
	TOTAL	468	165	50.6	432	161	49.4



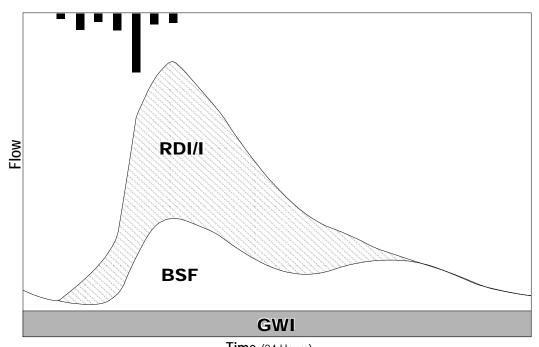
2.3 Dry Weather Flow Projections

This section summarizes the development of dry weather flow (DWF) projections for parcels located in the District service area and in City and Town contributing areas. Flow projections were based on the master plan land use categories developed in Section 2.2, and will form the foundation for the development and calibration of the hydraulic model of the collection system.

2.3.1 Wastewater Flow Components

Wastewater flow generally consists of three components (see Figure 2-3): base sanitary flow (BSF), groundwater infiltration (GWI), and rainfall dependent infiltration and inflow (RDI/I). DWF is comprised of only BSF and dry weather GWI.





Time (24 Hours)

Figure 2-3. Wastewater Hydrograph Components

Base Sanitary Flow. BSF is generated from residential, commercial, industrial, and public sources that discharge wastewater into the collection system. During dry weather, it is the major source of the DWF in the collection system. BSF is determined from the land use type, and may be impacted by water use practices such as water conservation.

Unit Flow Factors. BSF is typically calculated by applying a distinct unit flow factor to each type of land use. The BSF for this project was based on the amount of potable water billed to water service customers of each land use category during the winter months of 2008 (November 2007 – February 2008) by estimating the portion of potable water discharged to the collection system as wastewater.

Diurnal Patterns. BSF varies throughout the day, and the pattern of variation depends on the land use category. Residential areas, for example, typically exhibit a diurnal pattern with the lowest flows occurring during early morning hours, and the highest peak flows occurring mid-morning, with a second peak in the evening. Commercial and industrial land uses tend to generate a relatively constant flow during working hours, dropping off steeply between late evening and early morning. Diurnal patterns will be used during the dry weather model calibration in Section 2.5.

Groundwater Infiltration. GWI occurs when groundwater levels are above the collection system pipe inverts, allowing water to enter the system through faulty joints or other defects. During any given day, GWI comprises a relatively constant proportion of the total flow entering the system. It can vary significantly from dry season to wet season, and is higher in the spring after the rainy season than at the end of a dry summer. The amount of GWI can be approximated by taking the difference between the projected BSF and measured DWF. The difference between the predicted BSF and the measured DWF will be used to develop dry weather and wet weather GWI projections during the model calibration in Section 2.5.

Rainfall Dependent Infiltration and Inflow. RDI/I occurs during wet weather. *Infiltration* enters the collection system by the same mechanism as GWI. The *inflow* component of RDI/I comes from surface water and stormwater runoff that enters the collection system largely through manholes, cross connections with the storm drain system, downspouts, or direct connections to the collection system. The amount of RDI/I can be characterized for different rainfall events using flow monitoring and precipitation data. RDI/I does not contribute to dry weather flows. RDI/I projections will be made during the wet weather model calibration in Section 2.5.

2.3.2 Unit Flow Factor Development

Dry weather unit flow factors are developed to project base sanitary flow by land use category using winter water consumption data. The unit flow factor for the single family residential land use is derived by dwelling unit (flow per parcel). For medium to high density residential and non-residential land uses, unit flows are derived on a flow per acre basis.

Estimating BSF from Water Use Data. In a non-arid urban setting such as Burlingame Hills, landscape irrigation and other non-household water uses are typically at a minimum during wet season winter months. The amount of municipal water "consumed" can be consistently correlated with the amount of water returned to the wastewater collection system and is used to estimate BSF. Although water use data is variable throughout the year and summer water use is higher than winter use, BSF generation is consistent throughout the year. The potable water returned to the collection system as BSF is typically 90 to 95 percent of winter water use.

Water Use Data. The City supplied a monthly water billing summary by land use, which includes the study area, for July 2007 through June 2008. The water use data for the winter of 2007/2008 was correlated to the master plan land use categories. Table 2-2 lists the average water use for each master plan land use category, used for the initial calibration of the hydraulic model.

Table 2-2. Water Use by Land Use Category				
Master Plan Land Use Category Water Billing Land Uses Average Water Use				
Single Family Residential	Single Family	170 gpd per parcel		
Multi-Family Residential (Medium Density)	Duplex	1,270 gpd per acre		
Institutional	Hospitals & Institutional	450 gpd per acre		

2.4 Flow Monitoring

Flow monitoring and rainfall data will be used for model calibration and to develop design storm hydrographs. Flow monitors (FM) and rain gages were installed from December 30, 2008 to March 10, 2009. Flow monitors were installed in the designated manhole and monitored flows in the pipe immediately upstream of the manhole. Table 2-3 identifies the location of the four flow monitors.



	Table 2-3. Flow Monitor Locations					
Site No.	Location	Manhole No.	Diameter	Recording Interval	Notes	
3	Adeline Dr. & Alvarado Ave.	79	8-inch	5-minute		
4	Easement (Hillside Dr.) & Alvarado Ave.	5842	6-inch	5-minute		
7	Easton Dr.	City E3-21078	12-inch	5-minute	Downstream of manhole 241	
18	Easement (Adeline Dr.)	52	6-inch	5-minute	City Entry Point	

The locations of the flow monitors and the tributary drainage basin boundaries are shown on Figure 2-4.

2.5 Hydraulic Model

This section summarizes the development of the hydraulic model. The District's collection system was included in the City's collection system hydraulic model. The hydraulic model was developed by importing and validating the collection system network, allocating BSF and GWI to the network, applying wastewater diurnal patterns based on land use, and then calibrating the model to both dry and wet weather precipitation and flow monitoring data collected during the winter of 2009.

2.5.1 Model Software

InfoWorks™ CS is used for this project because it is a fully dynamic hydraulic modeling program able to model complicated collection systems. It has a robust user interface, accurate and stable hydraulic engine, and the ability to model RDI/I via R-factor analysis. InfoWorks™ CS imports sewer data directly from an existing database, and is currently used by a number of Bay Area municipalities including San Jose, San Francisco, and San Mateo.

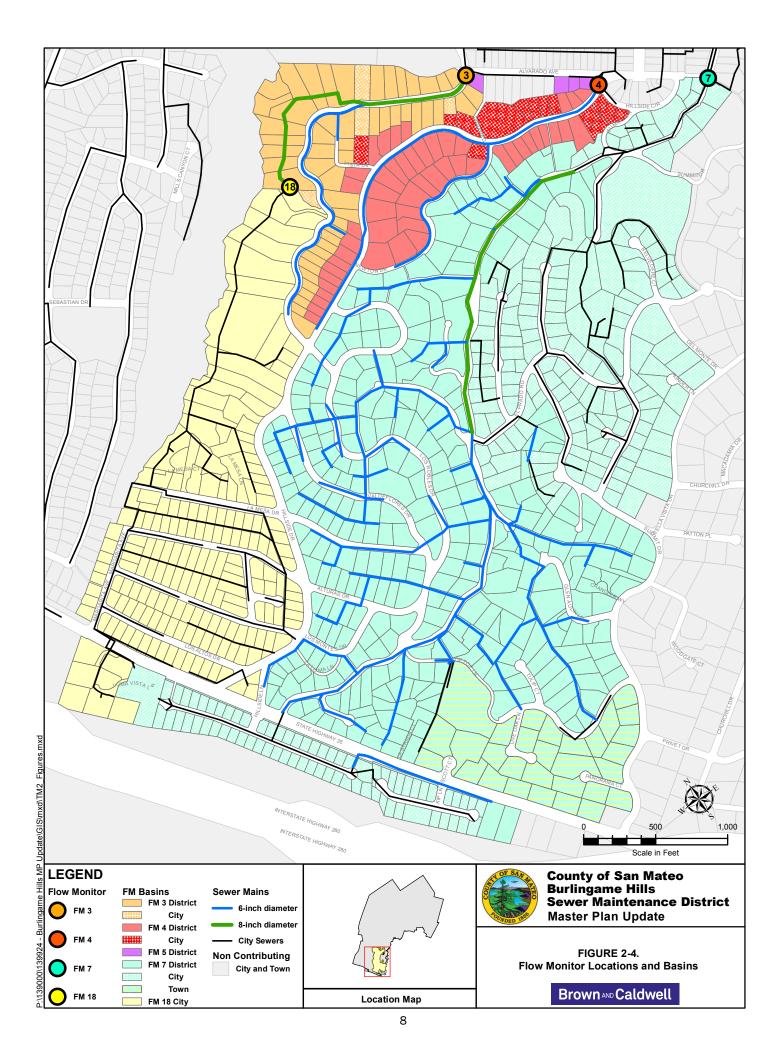
2.5.2 Model Network Development

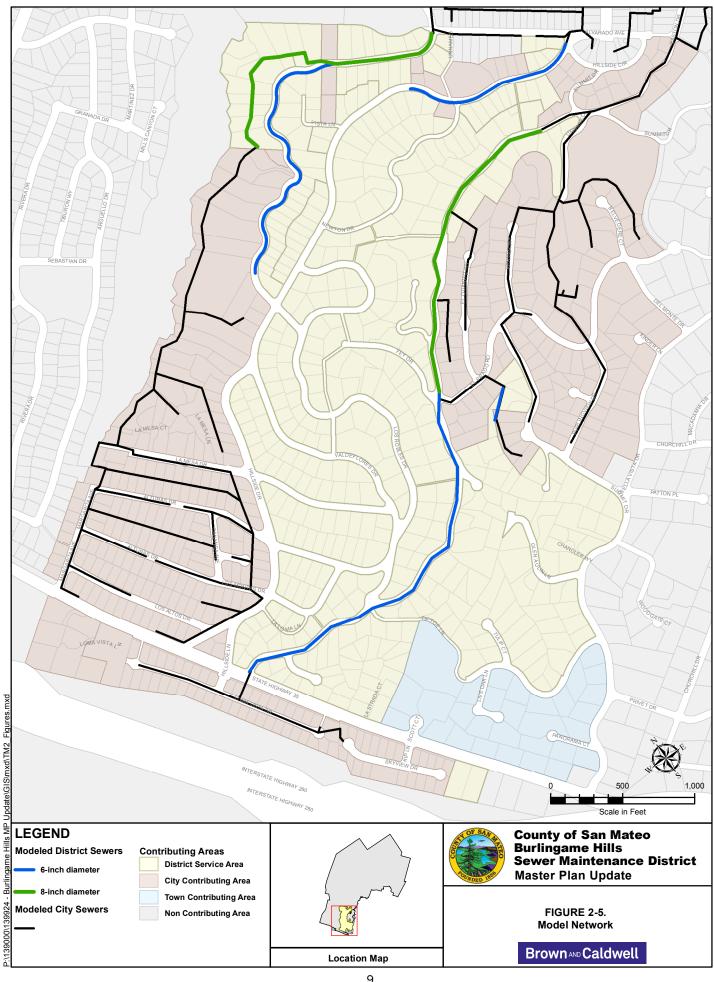
The hydraulic model of the District's collection system consists of the model network conduits (pipes) and nodes (manholes), and subcatchments for flow allocation.

Model Network. The three District trunk sewers were modeled. These sewers include all the 8-inch diameter pipelines in the District. In addition, 6-inch diameter pipelines in Canyon Road and Adeline Drive were modeled. The modeled sewers are summarized in Table 2-4.

Table 2-4. Modeled District Sewers						
Description	Diameter (inches)	Upstream Manhole Number	Downstream Manhole Number	Length (feet)		
Adeline Drive Trunk Sewer	8	49	79	2,007		
Hillside Drive Trunk Sewer	6	93	5842	1,319		
Canyon Road Trunk Sewer	8	154	241	2,164		
Adeline Drive Sewer	6	52	76	2,003		
Canyon Road Sewer	6	13	154	2,809		
El Prado Road Easement Sewer	6	6071	6078	232		

Figure 2-5 shows the location and diameter of modeled gravity mains. Approximately 30 percent of the total length of pipe in the District's collection system was included in the model.





Pipe and Manhole Data. Data for the network pipes and manholes were imported directly from the GIS files. All gravity mains were assigned Manning's friction factor n = 0.013. A number of GIS elements with incomplete or inconsistent data were either excluded from the hydraulic model or corrected during the model development:

- Missing or inconsistent invert elevations and pipe diameters were interpolated from upstream and downstream pipes.
- Missing manhole rim elevations were interpolated from 2-foot GIS topographic contours. Generally, the interpolated elevations were found to be within ±0.5 feet of known rim elevations.

Flow Allocation. Wastewater flows were allocated to the collection system by loading the flows generated by each parcel to a manhole based on GIS sewer lateral locations where available, or the proximity of the parcel to the nearest manhole. Parcels sharing common land uses and input nodes were grouped into subcatchments and input into the model as a single element. The summation of subcatchment loads is the total load at each manhole.

2.6 Dry Weather Model Calibration

The dry weather model calibration process used to calibrate the hydraulic model for the City and District collection systems is described in this section. The calibration process sought to match modeled peak flows and volumes to observed data at the FM sites by projecting BSF, distributing GWI, and matching the shape of FM hydrographs. Once the network and subcatchments were developed, the hydraulic model was calibrated to dry weather flow data collected during the winter of 2008/2009.

2.6.1 Dry Weather Flow Data

No significant precipitation was recorded during the period from January 3 to January 20; therefore, Thursday, January 15, 2009 was selected as the dry weather calibration day.

2.6.2 BSF and Diurnal Pattern Calibration

The objective of BSF calibration was to correlate the modeled hydrographs with the shape and magnitude of the observed hydrographs at each FM location by applying diurnal patterns and manipulating the unit flow factors until modeled flows match observed flows reasonably well.

Diurnal patterns are used to account for the typical variation in flow during a day, and were applied to the model subcatchments by land use during BSF calibration. Initially, diurnal flow patterns were developed from flow monitor (FM) data by average BSF hourly peaking factors from multiple days. Single family residential (SFR) parcels account for the largest proportion of flow in the District's service area. The Burlingame Hills residential diurnal pattern varied from the City FM basins, which have higher SFR densities. The typical weekday diurnal patterns for Burlingame Hills residential as well as City residential and commercial land uses are shown on Figure 2-6.

2.6.3 Unit Flow Factor and Dry Weather GWI Calibration

Unit flow factors were adjusted to match model flows to observed flows during BSF calibration. Metered flows at FM 7 required a significant increase in the unit flow factors.

The flow attributed to GWI was roughly equivalent to the difference between the low (early morning) metered flow and model BSF. For basins where there was a difference, a constant flow of GWI was added to the subcatchments in the corresponding FM basin. The location of each FM basin is shown on Figure 2-4.

2.6.4 Dry Weather Parameters.

The final dry weather GWI, diurnal patterns, and unit flow factors resulting from the calibration are listed in Table 2-5.



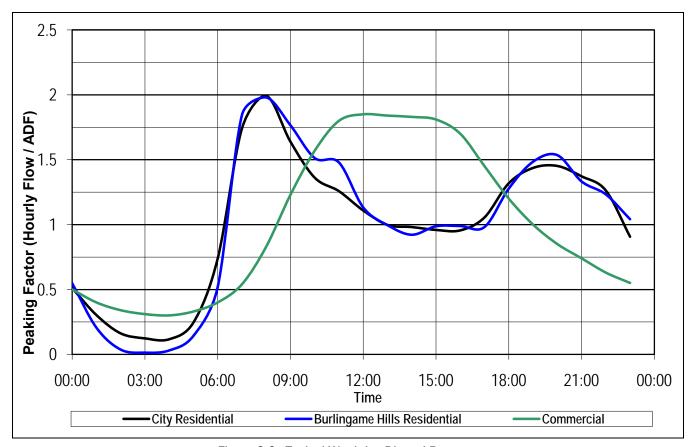


Figure 2-6. Typical Weekday Diurnal Patterns

(Source: 2010 Burlingame Wastewater Collection System Master Plan)

	Table 2-5. Calibrated Dry Weather Parameters						
FM Basin	GWI (mgd)	Land Use Category		orated Unit w Factors	Diurnal Pattern		
3/18	0.05	Single Family Residential	170	gpd per parcel	Burlingame Hills		
41	0.00	Single Family Residential	170	gpd per parcel	Burlingame Hills		
41	0.00	Single Family Residential (FM 7)	420	gpd per parcel	Burlingame Hills		
		Single Family Residential (FM 7)	420	gpd per parcel	Burlingame Hills		
7	7 0.03	Multi-Family Residential (Medium Density)	1,200	gpd per acre	City Residential ²		
		Institutional	430	gpd per acre	Commercial		

^{1.} FM basin 4 has characteristics similar to both FM basins 3 and 7, and is modeled as a mix of both.

^{2.} The City diurnal was used for all multi-family residential in the City model, including the few parcels in the District.

2.6.5 Dry Weather Observed vs. Modeled Results

The dry weather calibration was carried out by comparing modeled results with metered data from the flow monitoring period described above. The dry weather calibration hydrographs for FM 3, 4, and 7 are located in Attachment A. FM 18, which monitored City flows, was used only for wet weather calibration at FM 3.

Comparisons of metered vs. modeled average dry weather flow (ADWF) and peak dry weather flow (PDWF) are presented in Table 2-6. The target accuracy range for peak flow calibration is typically ±15 percent; it is more difficult to calibrate to flows in small metered areas because they are more sensitive to daily variations in water usage. As illustrated on the figures and in Table 2-6, modeled ADWF and PDWF varied slightly from monitored data but were with an acceptable margin of error, particularly for low flow rates such as these.

Table 2-6. Dry Weather Model Calibration Results								
Flow	ADWF (mgd)			PDWF (mgd)			Observations	
Monitor	Observed	Modeled	Percent Difference	Observed	oserved Modeled Percent Difference			
3	0.10	0.10	0	0.15	0.13	-13	Used only for dry weather calibration for the FM Basin 3.	
4	0.006	0.007	17	0.019	0.014	-26	Low DWF.	
7	0.20	0.16	-20	0.32	0.26	-19	Higher observed flow may be due to Institution (school) parcel.	
18	NA	NA	NA	NA	NA	NA	Used only for wet weather calibration for FM Basin 3.	

2.7 Wet Weather Model Calibration

The wet weather model calibration process used to calibrate the hydraulic model for the City and District collection systems is described in this section. Wet weather model calibration involves estimating the amount of RDI/I that enters the collection system during a storm event, spatially distributing the total RDI/I amount throughout the collection system area, and then adjusting modeling parameters to match modeled flows to observed flows. Once the dry weather parameters were developed, the hydraulic model was calibrated to wet weather flows based on metered flows collected during the winter of 2008/2009.

2.7.1 Wet Weather Flow Data

The three-day period of February 14, 15, and 16, 2009 was selected as the wet weather calibration period, with significant rainfall, approximately a 5-year 24-hour storm (a total of 2.9 inches, with a peak hourly rainfall of 0.25 inches/hour), occurring between 3:00 a.m. on February 15 and 10:00 a.m. on February 16. This period was selected because data from the FMs showed that rainfall during that period caused the highest peak at most of the FM sites. The storm event on March 2, 2009 was used to verify the wet weather calibration. These storms will be used to identify calibrated RDI/I parameters which will later be applied to the 10-year, 24-hour design storm.

2.7.2 Wet Weather GWI Calibration

Significant rainfall events during the FM period began around February 5, 2009 and continued to March 5, 2009, and caused a slight rise in the minimum flows observed afterwards. During the days between those early rains and the calibration storm, the shape and magnitude of the diurnal patterns returned to normal, but were transposed slightly higher up the Y-axis, indicating an increase in wet weather GWI. For that reason, wet weather GWI factors were developed and applied to the network for the wet weather calibration.



2.7.3 R-factor Calibration

Subcatchment RDI/I factors were input into the model in the form of an R-factor, which is the percentage of rainfall volume that reaches the collection system. RDI/I varies between sewer basins depending on many different localized conditions such as pipe condition, ground surface (permeable vs. impermeable), number of connections, etc.

R-factors are divided between fast, medium, and slow runoff surfaces (see Figure 2-7) that determine how fast RDI/I enters the system. During calibration, the percentage of rainfall assigned to each surface was manipulated to change the shape of each FM basin hydrograph. The process of manipulating the runoff surfaces was iterative, and was repeated until the modeled hydrograph corresponded reasonably well with the observed hydrograph.

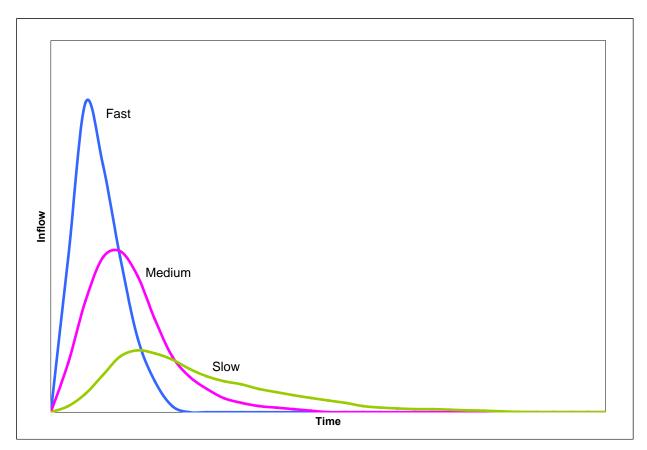


Figure 2-7. Typical RDI/I Hydrograph Components: Runoff Surfaces

FM 3 showed anomalies in data during wet weather flows. Both FM 3 and FM 18 monitored the FM basin 3, with FM 18 located approximately 2,000 feet upstream of FM 3. Flow velocities were very high at FM 3, particularly during wet weather events, due to the steep grade just upstream of its location. High velocity can affect the accuracy of flow meters; therefore, FM 18 was used for wet weather calibration of the FM 3 basin when velocities peaked.

2.7.4 Wet Weather Parameters

The model was calibrated to wet weather flows by iteratively comparing modeled results with observed data for the calibration period. The final wet weather GWI and R-factors resulting from the calibration process are listed in Table 2-7 and shown on Figure 2-8.

Wet weather GWI rates ranged from 0 to 1060 gallons per day (gpd) per acre for the four FM basins. FM Basins 3, 7, and 18 exhibited relatively GWI rates compared to FM Basin 4. The low wet weather GWI rate seen in FM Basin 4 indicates a lower incidence of GWI due to pipe and manhole leaks.

R-factors vary slightly between the four basins, ranging from 5.7 to 9.5, and are considered higher than normal. Generally, R-factors above three (3) are considered high.

Table 2-7. Calibrated Wet Weather Parameters					
FM Basin	Area (ac)	GWI (mgd)	GWI Rate (gpd/ac)	R-factor (Percent of Rainfall Volume)	
3*	21	0.02	950	7.1	
4	20	0.00	0	9.5	
7	208	0.22	1060	5.7	
18	62	0.04	645	7.1*	

^{*} Wet weather parameters for FM 3 were developed using FM 18 calibration

2.7.5 Wet Weather Observed vs. Modeled Results

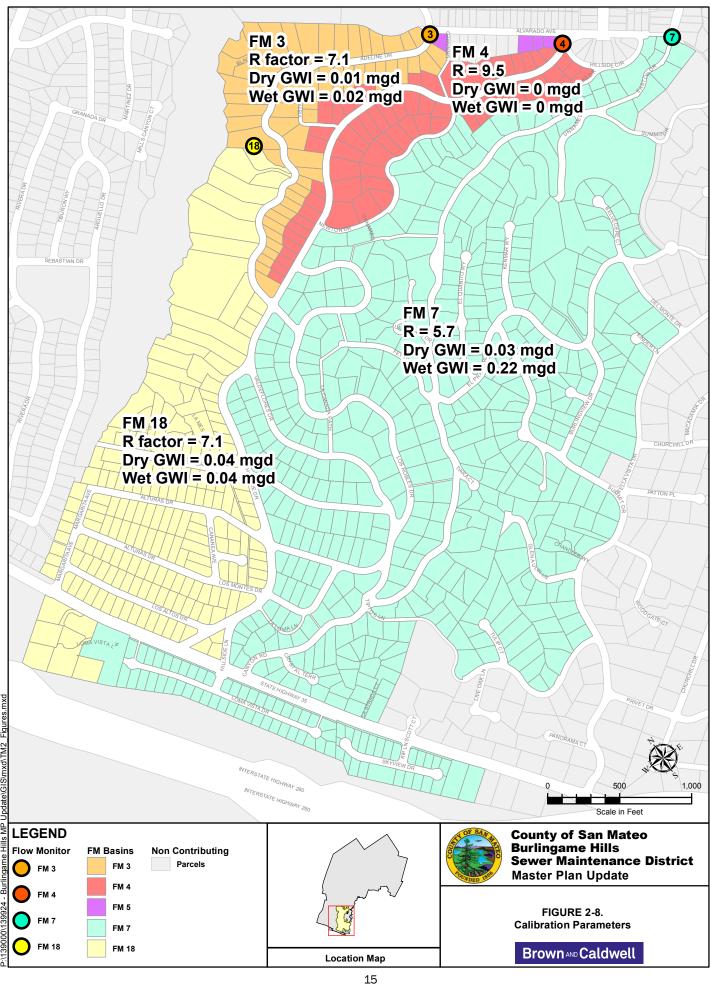
The wet weather calibration was carried out by comparing modeled results with metered data from the flow monitoring period described above. Table 2-8 presents the numerical results of the final wet weather calibration. Wet weather results are presented as peak wet weather flow (PWWF) occurring during the three-day wet weather calibration simulation.

	Table 2-8. Wet Weather Model Calibration Results						
Flow	Peal ADWF		Peak Wet Weather Flow (mgd)		Observations		
Meter	(mgd)	Observed	Modeled Percent Difference		Observations		
3	0.10	-	-	-	Used only for dry weather calibration for the FM Basin 3.		
4	0.01	0.21	0.21	0			
7	0.20	1.58	1.57	-1			
18	-	0.72	0.71	-1	Used only for wet weather calibration for the FM Basin 3.		

The wet weather calibration hydrographs for FM 4, 7, and 18 are located in Attachment B. As illustrated on these figures and in Table 2-8, FM 4 and FM 7 hydrographs aligned well for both peak hour and total volume, while the peak hour at FM 18 was matched but not the secondary peaks and overall volume.

The wet weather parameters listed in Table 2-7 were verified by applying these wet weather parameters to a simulation of the rainfall event on March 2, 2009, and comparing the modeled flows with the metered flow data. Wet weather parameters vary with each storm because of varied rainfall patterns and characteristics of the collection system; but generally, the model responded well to the March 2, 2009 rainfall and projected wet weather flows that correlated well with metered flows.





2.8 Conclusions

The following conclusions were made on the hydraulic model development:

- Flow monitoring limitations were encountered (such as low flows and high velocities), but enough data was collected to calibrate the model.
- The PWWF calibration was good (within 1 percent), which lends confidence to the model projections using the design storm.

The RDI/I parameters developed in this task will be used to develop 10-year, 24-hour flow projections in the next task. This information will be used to evaluate the system capacity and develop capital improvement projects where deficiencies are identified.

References

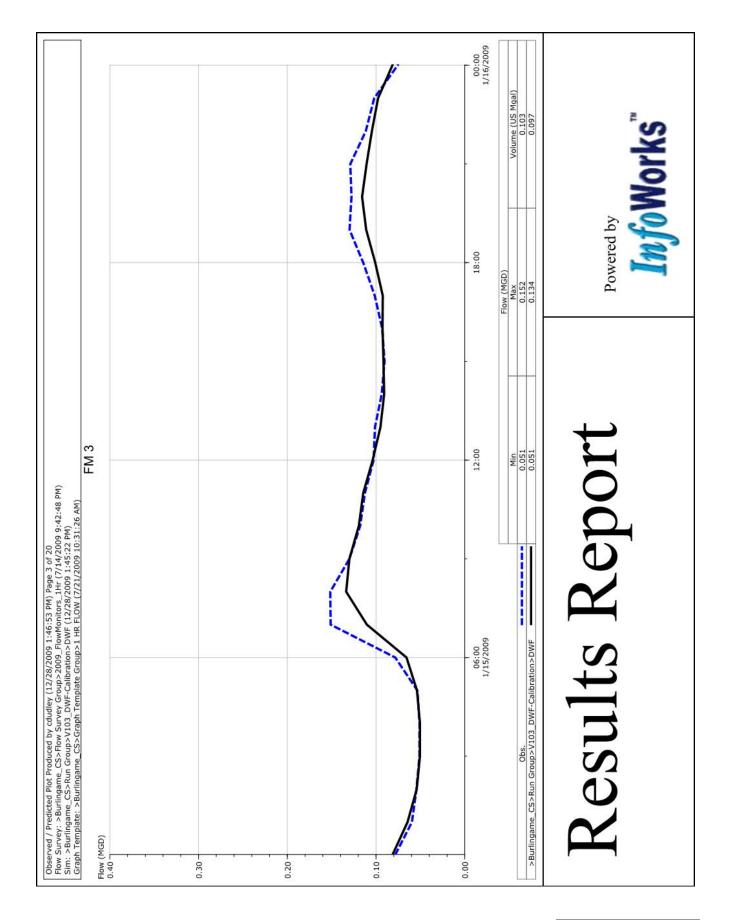
Brown and Caldwell, Wastewater Collection System Master Plan, City of Burlingame, California, October 2010.

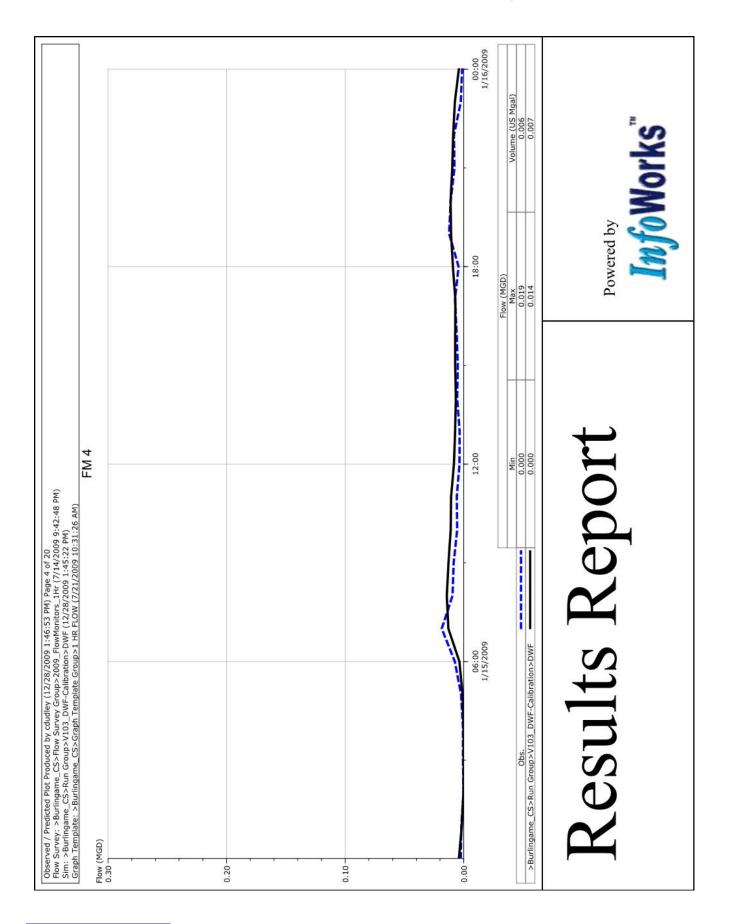
Brown and Caldwell, Sewer Master Plan, Burlingame Hills Sewer Maintenance District, County of San Mateo, California, December 1999.

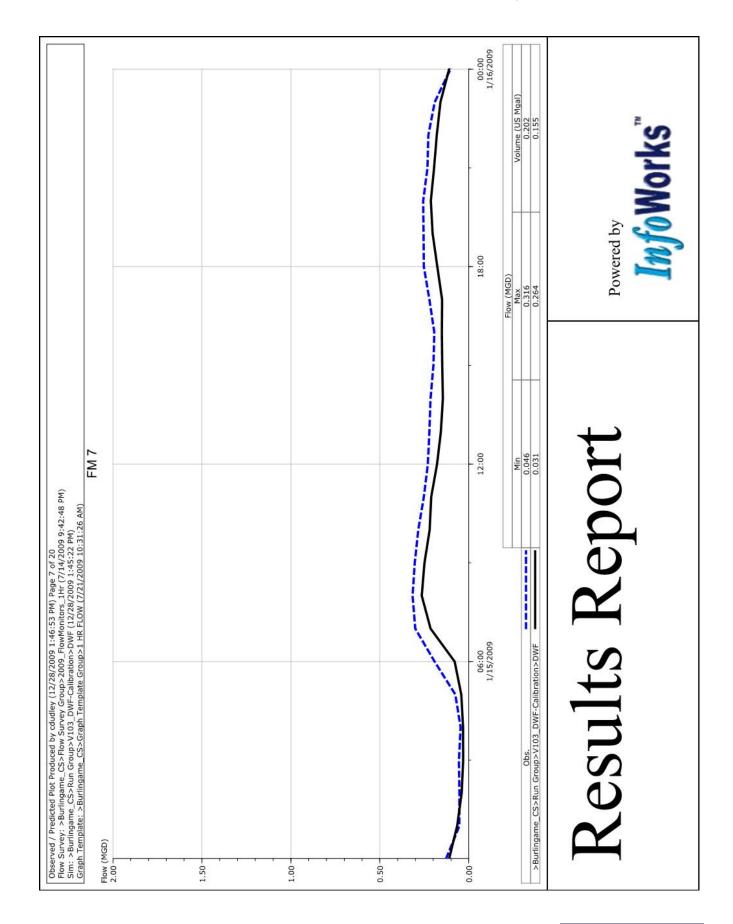
County of San Mateo, Geographical Information System (GIS), Parcels, 2009.

Attachment A: Dry Weather Calibration Hydrographs

January 15th, 2009

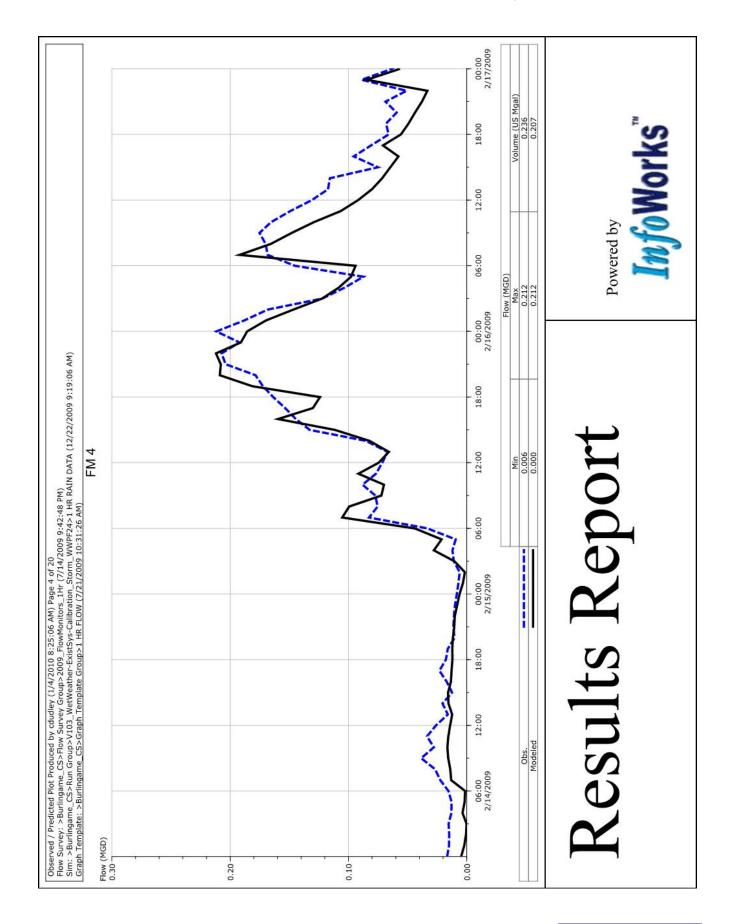


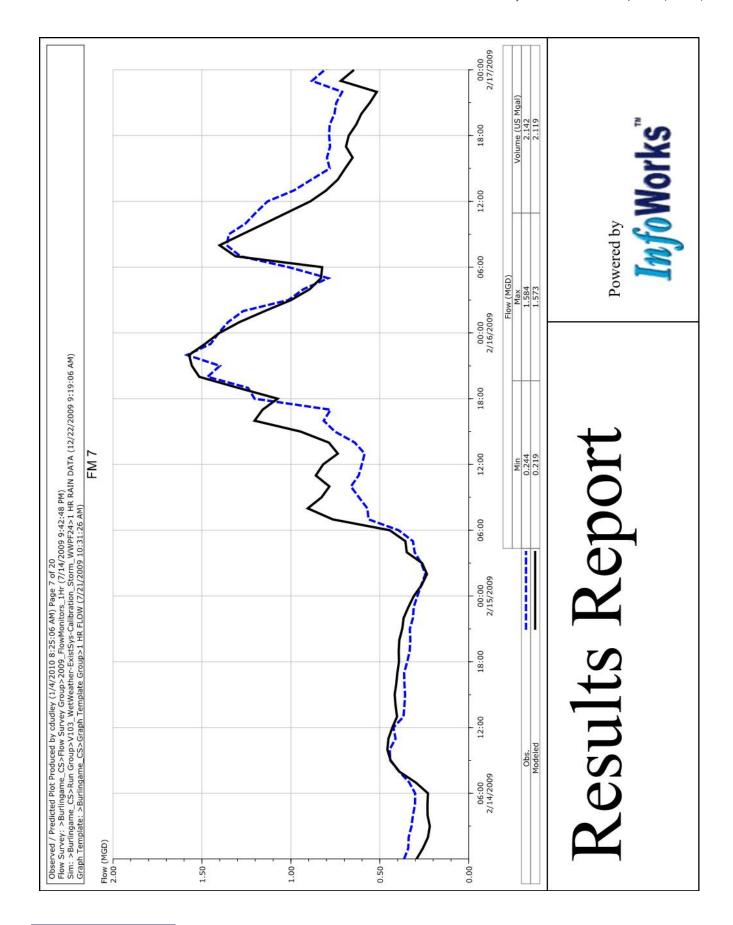


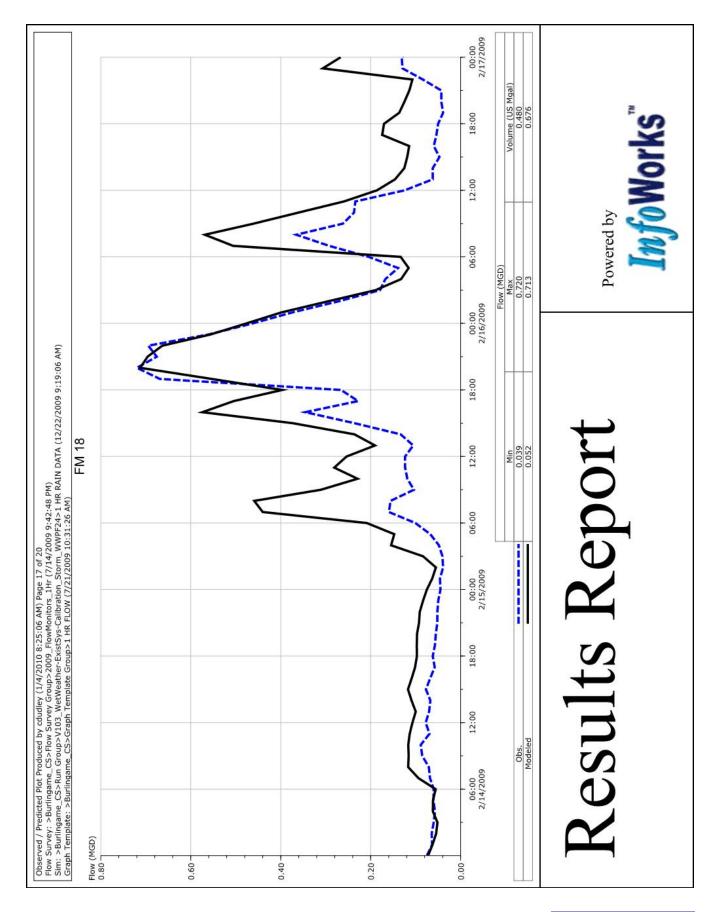


Attachment B: Wet Weather Calibration Hydrographs

February 14th, 15th, and 16th, 2009









Technical Memorandum

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Prepared for: County of San Mateo, Burlingame Hills Sewer Maintenance District

Project Title: Wastewater Collection System Capacity Assurance Plan and Master Plan Update

Project No: 139924-003-001

Technical Memorandum No. 3

Subject: System Performance Evaluation and Capacity Assurance Plan (Task 4)

Date: April 14, 2011

To: Mark Chow, P.E., Principal Civil Engineer

From: Christopher Peters, P.E., Engineer in Responsible Charge,

California License No. C69669, Expires 6/30/2012

Prepared by: Katherine Hayden, P.E., Project Engineer

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Reviewed by:

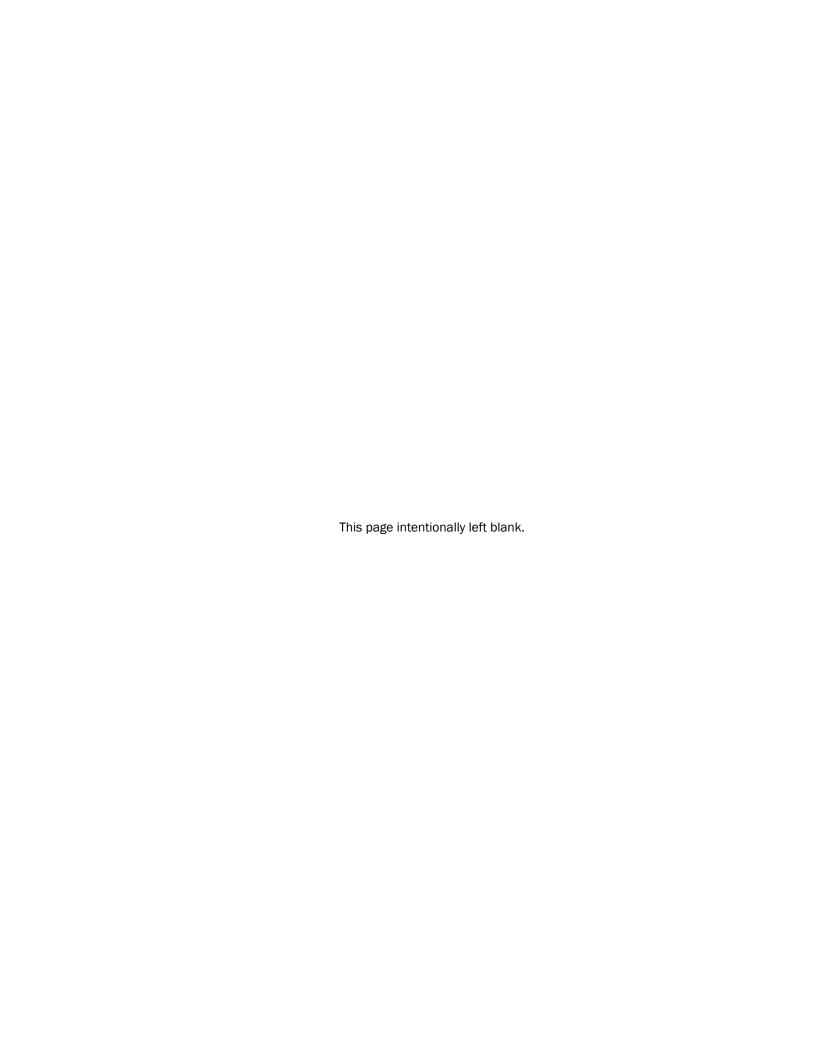
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Technical Memorandum 3

System Performance Evaluation and Capacity Assurance Plan - Hydraulics

This Technical Memorandum 3 (TM 3) documents and evaluates the results of the hydraulic modeling and hydraulic capacity deficiencies in the Burlingame Hills Sewer Maintenance District (District) wastewater collection system. The TM also includes the hydraulic modeling results evaluating the effect of rainfall dependent infiltration/inflow (RDI/I) flow reduction on the City of Burlingame's (City) wastewater treatment plant (WWTP). Finally, the TM will present alternatives to address hydraulic capacity deficiencies and high RDI/I areas.

3.1 Introduction

The intent of the District Wastewater Collection System Capacity Assurance Plan and Master Plan Update (Master Plan Update) project is to develop an update to the 1999 Master Plan utilizing flow monitoring data collected in the District and the City in 2009 and field inspection data collected as part of this project.

3.1.1 Scope of Work

The scope of work for the Master Plan Update includes the following tasks:

- 1. Project Management
- 2. Infiltration/Inflow (I/I) Field Inspections
- 3. Hydraulic Model Development
- 4. System Performance Evaluation and Capacity Assurance Plan
- 5. Capital Improvement Plan Development

TM 3 is the deliverable for Task 4, System Performance Evaluation and Capacity Assurance Plan.

3.1.2 Service Area

The District service area encompasses approximately 161 acres located in the County of San Mateo (County) on the San Francisco Peninsula. The District is roughly bounded by Canyon Road and Summit Drive in the south, Skyline Boulevard and Tiptoe Lane in the west, Hillside Drive and Adeline Drive in the north and Alvarado Avenue in the east. Figure 3-1 shows the District service area and collection system.

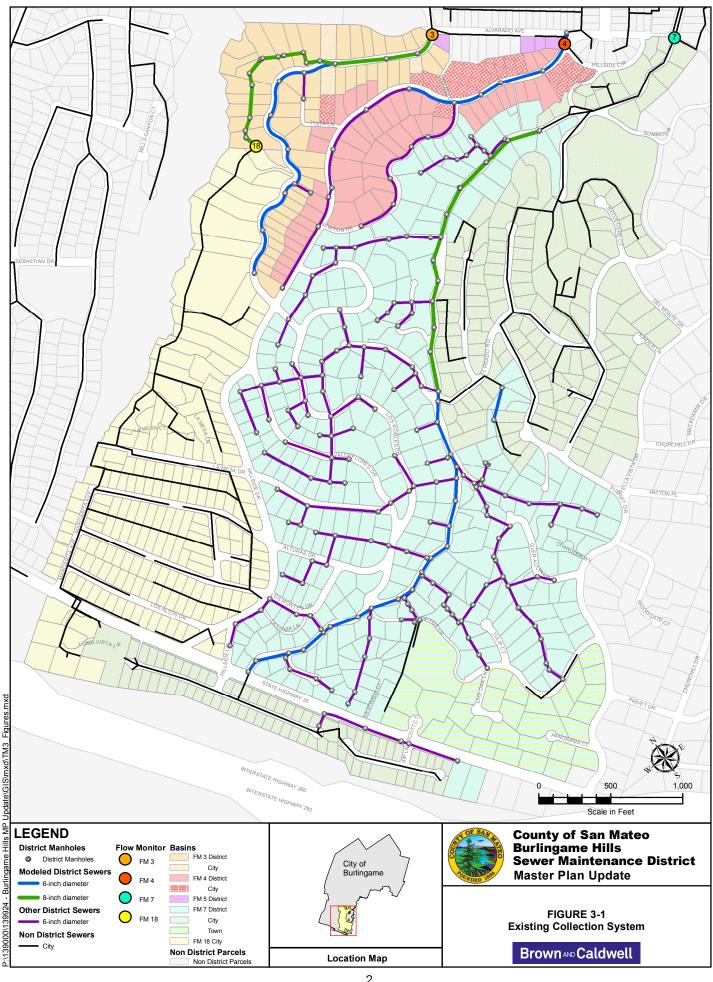
3.1.3 Existing Collection System

The District collection system consists of approximately 6.6 miles of 6-inch to 8-inch-diameter vitrified clay pipe. There are three main trunk sewers in the District, located on Adeline Drive, Canyon Road and Hillside Drive. These sewers roughly divide the District service area into three major drainage areas.

The District's collection system also transports City and Town of Hillsborough (Town) flows in the trunk sewers on Adeline Drive and Canyon Road and in the sewer on Canyon Road upstream of the trunk sewer.

The contributing City and Town areas (approximately 165 acres) are also shown on Figure 3-1. District service area flows are conveyed by gravity to the City collection system and transported to and treated at the City's WWTP. Wastewater pumping stations are not required in the District due to the topography in the service area. The District trunk sewers discharge to the City's collection system at three different locations, City manholes E3-21012 at Adeline Drive and Alvarado Avenue, E3-21099 at Hillside Drive and Alvarado Avenue, and E3-21067 at Canyon Road and Summit Drive.





3.1.4 Previous Planning Reports and Information

Hydraulic modeling was performed using the hydraulic model developed in TM 2, Hydraulic Model Development. I/I deficiencies are documented and evaluated separately in TM 1, System Performance Evaluation – Infiltration/Inflow Field Inspections.

An evaluation of the District wastewater collection system was completed in 1999. The City, which transports and treats the District's wastewater and contributes flows to District sewers, prepared an evaluation of their wastewater collection system in 2010. A list of the reports, planning documents, and information used in the development of this Master Plan Update is included in the References section.

3.2 Hydraulic Capacity Evaluation Criteria

The performance of the existing sewer collection system, shown in Figure 3-1, was analyzed using the hydraulic model under two peak wet weather flow (PWWF) scenarios. This section describes the criteria and design storms that were used for the analysis to identify potential hydraulic deficiencies in the modeled sewers.

3.2.1 Design Storms

The performance of the existing District collection system was evaluated using the hydraulic model for a 10-year return period rainfall with a duration of 24 hours (10-year, 24-hour) under two design storm scenarios:

- Design Storm Scenario
- Consent Decree Storm Scenario

The same volume of precipitation was applied for both storms but was distributed differently.

The amount of precipitation was determined using the National Oceanic and Atmospheric Administration (NOAA) Intensity Duration Frequency (IDF) curves for San Mateo County. The IDF rainfall depths are listed in Table 3-1. The 10-year, 24-hour precipitation volume used to evaluate the capacity of the collection system was 3.69 inches.

Table 3-1. IDF Rainfall Depths				
10-year Storm Duration (hours)	Total Rainfall Depth (inches)			
1	0.89			
2	1.20			
3	1.49			
6	2.18			
12	2.94			
24	3.69			

Two rainfall distribution scenarios were used to evaluate the collection system for the 10-year, 24-hour precipitation:

• The Design Storm Scenario applied a distribution based on the six NOAA IDF rainfall depths presented in Table 3-1, i.e., the peak hour rainfall was set equal to the 1-hour rainfall depth, the peak two hour rainfall was set equal to the 2-hour rainfall depth, and so on. This type of distribution is often used for collection system master plans.



• The Consent Decree Storm Scenario applied an SCS Type IA 24-hour rainfall distribution curve, as referenced in Appendix B of TR-55 (USDA 1986) and shown in Figure 3-2.

SCS 24-hour rainfall distributions

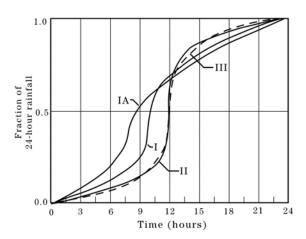


Figure 3-2. TR-55 SCS Rainfall Distribution Curve (USDA 1986)

The resulting design storms are shown on Figure 3-3.

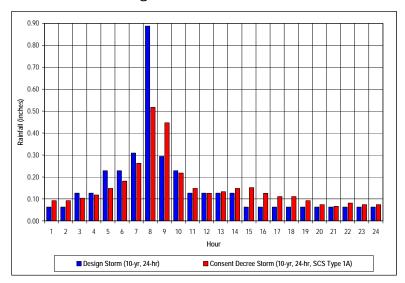


Figure 3-3. Design Storms

3.2.2 Evaluation Criteria

The performance of the collection system was evaluated using the following criteria for modeled gravity pipes:

- Surcharge condition (throttle versus backwater)
- Surcharge elevation (as a function of freeboard).

A pipe was considered surcharged when the hydraulic grade line (HGL) rose above the crown of the pipe.

Surcharge condition. When a surcharged pipe's HGL slope is steeper than the slope of the pipe itself, the sewer is experiencing "throttle surcharge" and does not have adequate hydraulic capacity to convey peak flows. Otherwise, surcharged pipes are experiencing "backwater surcharge" from throttle surcharge or grade



breaks downstream. It is possible that a single throttle-surcharged pipe can cause flooding and overflows in multiple upstream manholes.

Surcharge elevation. Surcharging was evaluated using "surcharge freeboard" which is the vertical freeboard from the HGL elevation to the manhole rim elevation. For example, one foot of surcharge in a sewer with six feet of cover has a surcharge freeboard of five feet. Possible locations for sanitary sewer overflows (SSOs) are predicted in the model when surcharging causes the HGL elevation to reach the ground surface elevation at a manhole (thus, the surcharge freeboard is equal to or less than zero). The Design and Consent Decree Scenarios were evaluated for minimum surcharge freeboard levels of five and three feet, respectively. These surcharge freeboard levels provide a margin of safety before SSOs occur to compensate for inherent inaccuracies that are present in collection system models.

3.3 Flow Conditions

The performance of the existing District collection system was evaluated using the hydraulic model for three flow condition scenarios:

- Baseline Scenario (No RDI/I reduction)
- 30 Percent RDI/I Reduction Scenario (30%)
- 50 Percent RDI/I Reduction Scenario (50%)

For the Baseline Scenario, all flows were modeled as discussed in TM 2, Hydraulic Model Development. This scenario will be used to develop alternatives for addressing pipe hydraulic deficiencies.

3.3.1 RDI/I Reduction Scenarios

The RDI/I reduction scenarios modeled the effect of RDI/I reduction in the District service area on the performance of the City WWTP based on the wet weather flow volume contributed by the District. The R-factors, or percentage of rainfall volume that reaches the collection system as RDI/I, in the District ranged from 5.7 to 9.5 percent. These R-factors are considered high, and therefore collection system rehabilitation for the purposes of RDI/I reduction was considered.

Two approaches often used to rehabilitate collection systems were used to define the RDI/I reduction scenarios:

- Public Rehabilitation of mains, manholes, and lower laterals in the public right-of-way or easements.
- *Public and private property* Rehabilitation of mains, manholes, lower laterals, as well as privately-owned upper laterals.

30 Percent RDI/I Volume Reduction Scenario. The public rehabilitation approach was modeled as the 30 Percent RDI/I Volume Reduction Scenario. The basin R-factors were reduced by 30 percent in the hydraulic model. This scenario would require the comprehensive, service area-wide rehabilitation of mains, manholes, and lower laterals within the public right-of-way or easements. A review of documented case studies (Merrill et al 2003) and Brown and Caldwell's (BC) experience indicate this rehabilitation approach generally provides between 5 and 40 percent reductions in RDI/I volumes.

50 Percent RDI/I Reduction Scenario. The public and private property rehabilitation approach was modeled as the 50 Percent RDI/I Volume Reduction Scenario. The basin R-factors were reduced by 50 percent in the hydraulic model. This scenario would require the comprehensive, service area-wide rehabilitation of the collection system, including privately-owned upper laterals. A review of documented case studies (Merrill et al 2003, WEF 1999) and BC's experience indicates this rehabilitation approach generally provides between 50 and 70 percent reductions in RDI/I volumes.

The R-factors used for hydraulic modeling are presented in Table 3-2. The dry weather parameters and wet weather groundwater infiltration (GWI) are as discussed in TM 2 for all flow scenarios.

Table 3-2. Modeled R-Factors by Flow Scenario								
Flow Monitor (FM) Basin	R-Factor by Flow Scenario			Notes				
	Baseline	30%	50%	Notes				
3	7.1	5.0	3.6					
4	9.5	6.7	4.8					
7	5.7	4.0	2.9	RDI/I reduction not applied to contributing City and Town parcels.				
18	7.1	7.1	7.1	RDI/I reduction not applied to this City basin.				

3.4 System Performance Evaluation

This section describes the analysis performed to identify potential collection system hydraulic deficiencies.

3.4.1 Model Scenarios

Hydraulic modeling was performed for a total of six scenarios:

- Design Storm with Baseline, 30% Reduction, and 50% Reduction RDI/I.
- Consent Decree Storm with Baseline, 30% Reduction, and 50% Reduction RDI/I.

3.4.2 Comparison to 1999 District Master Plan

The system performance evaluation discussed in this section is based on design storms with a 10-year return period. The 1999 District Master Plan was based on a design storm with a 5-year return period. Therefore, hydraulic deficiencies identified in this section are different from the previous results.

3.4.3 Results by Basin

Table 3-3 summarizes the results of the hydraulic modeling of the existing collection system under the modeled scenarios. Detailed model output for the Baseline scenario is included in Attachment A for the Design Storm and Attachment B for the Consent Decree Storm. A flow schematic showing the connections between the District and City is provided on Figure 3-4.

Table 3-3. Hydraulic Modeling Results by Basin								
Flow Monitor	Observed ADME (mgd)	Desig	n Storm	Consent Decree Storm				
	Observed ADWF (mgd)	PWWF (mgd)	Peaking Factor	PWWF (mgd)	Peaking Factor			
Basin 3*	0.10	0.83	8.3	0.79	7.9			
Basin 4	0.01	0.45	45	0.32	32			
Basin 7*	0.20	1.97	9.9	1.88	9.4			

^{*} Note PWWFs and peaking factors are reduced because of system losses in the model. Flow from basins 3 and 7 is lost by SSO due to inadequate hydraulic capacity to convey the basin flows in the existing collection system.

3.4.4 Results at City WWTP

Table 3-4 summarizes the results of the hydraulic modeling of the District as well as City collection system without any hydraulic deficiencies, i.e., all flow is conveyed downstream to the City WWTP after hydraulic capacity deficiencies are addressed through capacity improvement projects. The modeling results demonstrate only the effect of comprehensive collection system rehabilitation within the District (there was no RDI/I reduction for City and Town contributing areas). RDI/I volume at the treatment plant were reduced between 0.2 and 0.5 million gallons (MG). The Design Storm 50% reduction scenario results in a 2.6 percent decrease in RDI/I volume at the WWTP.



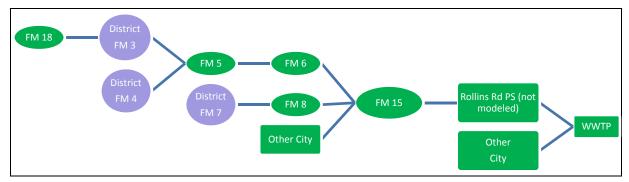


Figure 3-4. Flow Schematic

Table 3-4. RDI/I Reduction at City WWTP										
Modeled RDI/I Volume (MG)										
	Design Storm Consent Decree Storm									
	Baseline	30%	50%	Baseline	30%	50%				
	18.9 18.7 18.4 19.0 18.7 18.6									
Reduction from Baseline	-	1.1%	2.6%	-	1.6%	2.1%				

^{*} Note there was no RDI/I reduction applied to the City and Town basins.

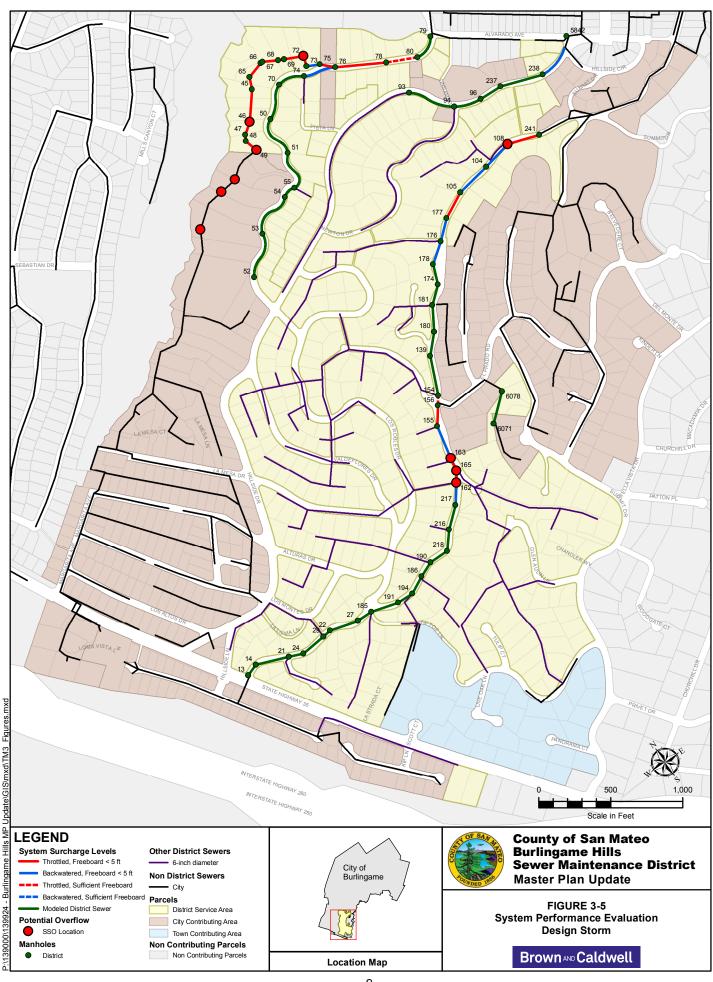
3.4.5 Locations of Surcharge and Potential Overflows – Design Storm

Sanitary sewer surcharge and potential SSO locations for the Design Storm Baseline scenario, which has the highest PWWFs (is the most conservative), are shown on Figure 3-5 for the District service area and the City basin upstream of FM 18 (City basin 18). Sewers with inadequate surcharge freeboard, as well as sufficient freeboard are shown on the figure.

Surcharge locations. There are six areas of pipe in the District with throttle surcharge with inadequate freeboard:

- 1. Adeline Drive Trunk Sewer (Easement) From manhole 49 to 75
- 2. Adeline Drive Trunk Sewer (Right-of-way) From manhole 75 to 79
- 3. Canyon Road Sewer (Tiara Ct) From manhole 162 to 163
- 4. Canyon Road Sewer (El Prado Road) From manhole 155 to 154
- 5. Canyon Road Trunk Sewer Manhole 177 to 105
- 6. Canyon Road Trunk Sewer (Summit Drive) From manhole 108 to 241 and downstream to City manhole E3-21078

Of these surcharge locations, the Adeline Drive Trunk Sewer (Easement and Right-of-way), and Canyon Road Sewer (Tiara Ct and El Prado Road) and Trunk Sewer (Summit Drive) sewer surcharge locations are downstream of potential SSO locations. Alternatives will be considered to address these hydraulic capacity deficiencies.



SSO locations. As shown on Figure 3-5, there are seven potential SSO locations in the District and three potential SSO locations in City Basin 18, which may be affected by downstream District flows in the Adeline Drive Trunk Sewer.

SSOs published on the State Water Resources Control Board website for 2007 through 2010 and annual reports provided by the District for 2009 and 2010 were reviewed. No reported SSOs were identified as caused by wet weather events. One SSO occurred at the potential SSO location identified at the top of the Adeline Drive Trunk sewer, but the cause was debris. The available data spanned a period of four years, and a storm equivalent to the 10-year return period design storms in this section may not have occurred.

City collection system. Improvements to address hydraulic capacity deficiencies in the District collection system may affect upstream and downstream City pipes. The impact of District projects to address hydraulic capacity deficiencies in the City collection system were addressed in the City Master Plan.

3.4.6 Locations of Surcharge and Potential Overflows – Consent Decree Storm

Sanitary sewer surcharge and potential SSO locations for the Consent Decree Baseline scenario are shown on Figure 3-6.

Surcharge locations. The surcharge location on Canyon Road Sewer (El Prado Road) is reduced to surcharge with sufficient freeboard condition from manhole 177 to 105 under the Consent Decree Storm scenario.

SSO locations. Potential SSO locations are the same for both storms, while the volume of SSO would be different, they would occur at the same manholes.

3.5 Capacity Assurance Plan

This section describes the development of alternatives to address the hydraulic deficiencies in the District collection system to reduce the occurrence of SSOs. Two alternatives were considered:

- Capacity improvement projects such as relief sewers and sewer replacement to increase conveyance capacity.
- Collection system rehabilitation projects to lower flows to the City WWTP through RDI/I reduction.

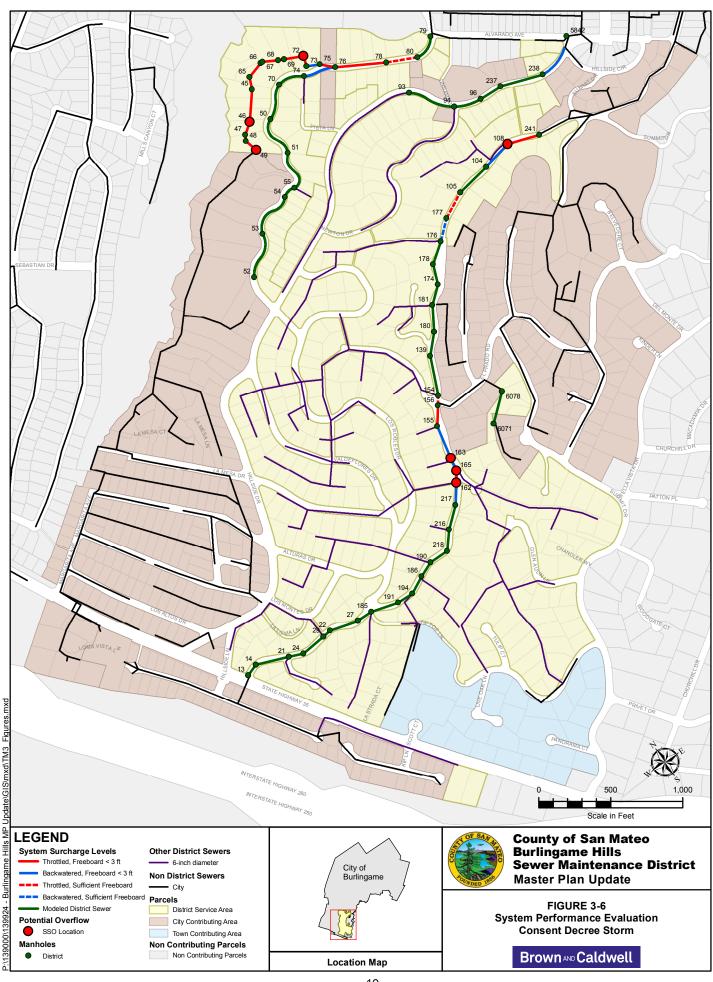
3.5.1 Capacity Improvement Projects

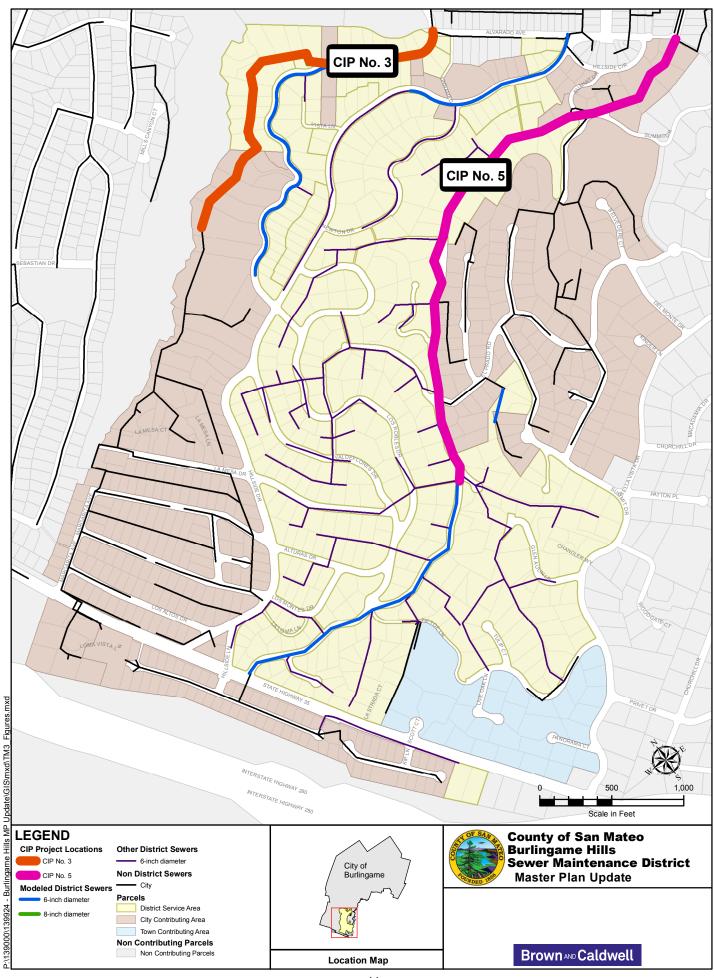
Capacity improvement project alternatives were identified to reduce the occurrence of SSOs in the collection system by eliminating pipe hydraulic restrictions. The design flows used to define the capacity improvement projects are the Design Flow Baseline, or highest modeled, PWWFs.

Capacity improvement projects identified include:

- Increasing the diameters of the Adeline Drive Trunk Sewer from 8-inch to 10-inch in the easement and
 from 8-inch to 12-inch in the right-of-way. This alternative would eliminate the Adeline Drive Trunk Sewer
 SSO locations within the District. Coordination of this project with the City is required because of the City
 contributing flows and the need to also address hydraulic deficiencies upstream in City basin 18. The City
 Master Plan included a project combining these improvements as CIP Project Number 3.
- Increasing the diameters of the Canyon Road Sewers from 6-inch to 8-inch and the Canyon Road Trunk Sewer from 8-inch to 10-inch. Coordination of this project with the City is required because of City and Town contributing flows and the need to address hydraulic deficiencies downstream in basin 7 City sewers. The City Master Plan included a project combining these improvements as CIP Project Number 5.

The District capacity improvement projects are shown on Figure 3-7; City Master Plan project numbers are used for consistency. Capacity improvements will be sized based on the Design Storm.





3.5.2 Collection System Rehabilitation Projects

All flow monitor basins in the District were identified as candidates for collection system rehabilitation in the City's Master Plan, based on the high potential for RDI/I reduction based on the high R-factors as well as the effectiveness of RDI/I reduction based on the RDI/I volume in gallons per lineal foot of pipe, as shown in Table 3-5. The District basins, particularly basin 4, are recommended for rehabilitation because they are considered leaky for collection systems.

	Table 3-5. RDI/I Reduction Potential for District Basins												
Flow	Observed	Contributing	Wet Weather	R-factor (Percent of	Conse	ent Decree	Storm*	Total	Gallons	Candidate for Collection			
Monitor Basin	Monitor ADWF	Area (ac)	GWI (mgd)	Rainfall Volume)	Modeled PWWF (mgd)	Peaking Factor	RDI/I Volume (MG)	Length of Pipe (LF)	RDI/I per LF	System Rehabilitation			
3	0.10	79	0.02	7.1	1.67	16.7	0.63	19,222	33	✓			
4	0.01	24	0.00	9.5	0.32	32.0	0.19	5,069	37	✓			
7	0.20	208	0.22	5.7	2.21	11.1	1.58	42,881	37	✓			

^{*} PWWF and RDI/I volumes represent the total flows after hydraulic capacity deficiencies are corrected (i.e., there are no system losses due to SSO.

Rehabilitation by area approach. Experience throughout the country has shown that rehabilitation should occur on an area approach. With this approach, the entire collection system within a designated basin is rehabilitated as compared to trying to identify and repair specific defects (e.g. cracks, offset joints) spread throughout the collection system. The latter approach has proven ineffective because storm water can migrate past rehabilitated defects and enter the collection system through other defects that were not rehabilitated.

Privately-owned upper laterals. In many collection systems, privately-owned upper laterals are found to be a significant source of RDI/I, typically as much as 50 percent of the total collection system RDI/I. Upper lateral rehabilitation throughout the collection system can occur through a program that requires the property owner to rehabilitate the privately-owned upper portion of the lateral at the sale of property, as a condition for a building permit, or under some other trigger.

The District does not currently have a privately-owned upper lateral rehabilitation program. The City has a program to rehabilitate privately-owned upper laterals which requires testing and rehabilitation at the sale of the property. The Town has an ordinance to rehabilitate privately-owned upper laterals at the sale of property.

Rehabilitation effectiveness for RDI/I reduction. The effectiveness of collection system rehabilitation projects depends on the rehabilitation approach, the extent of rehabilitation achieved (how many manholes, pipes, and laterals are actually rehabilitated), and the implementation and success of any privately-owned upper lateral program. Given the uncertainty in how much RDI/I reduction will actually be achieved, rehabilitation is recommended to reduce flows at the City WWTP, but not as an alternative to address hydraulic capacity deficiencies in the District.



3.6 Conclusions

The following conclusions can be made from the results of this analysis:

- There are five areas of the District's collection system with hydraulic capacity deficiencies for the Design and Consent Decree Storm flow scenarios.
- There are seven potential SSO locations in the District caused by hydraulic capacity deficiencies on District sewers. The locations of potential SSOs in the District are the same for both the Design and Consent Decree flow scenarios.
- There are three potential SSO locations in the City that may be related to hydraulic capacity deficiencies
 on District sewers for the Design flow scenario. There are no SSOs projected at these locations for the
 Consent Decree flow scenario.
- Two pipe capacity improvement projects in the District are necessary to eliminate the risk of SSO for the
 Design flow scenario. These capacity improvement projects would also eliminate the risk of SSO for the
 Consent Decree flow scenario because the peak wet weather flows are lower than the Design flow
 scenario.
- Comprehensive collection system rehabilitation could potentially reduce the flow volume at the City WWTP by approximately 2.6 percent.

Recommended projects and a schedule for construction of the improvements to address hydraulic capacity deficiencies will be further developed and prioritized in TM 4, Capital Improvement Plan.

References

Brown and Caldwell, Wastewater Collection System Master Plan, City of Burlingame, California, October 2010.

Brown and Caldwell, Sewer Master Plan, Burlingame Hills Sewer Maintenance District, County of San Mateo, California, December 1999.

County of San Mateo, Geographical Information System (GIS), Parcels, 2009.

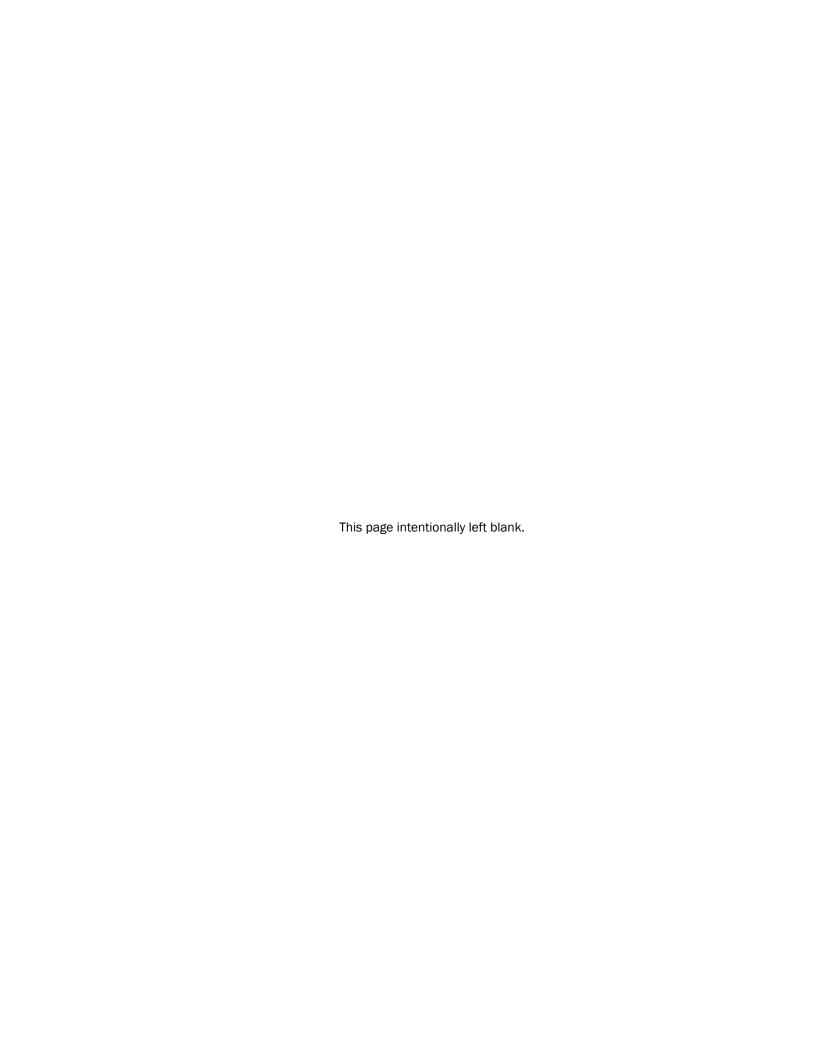
Merrill, M.S. et al, Reducing Peak Rainfall-Derived Infiltration/Inflow Rates – Case Studies and Protocol, 99-WWF-8, Water Environment Research Foundation, 2003.

United States Department of Agriculture (USDA), *Urban Hydrology for Small Watersheds*, Technical Release 55 (TR-55), Jun 1986.

Water Environment Federation, Control of Infiltration and Inflow in Private Building Sewer Connections, Water Environment Research Foundation, 1999.



Attachment A: Model Results - Design Storm



						A	ttachme	nt A. Mod	el Result	s - Design	Storm						
US	DS	US	DS		Pipe			US Rim	US Invert	DS Rim	DS Invert	Pipe Full	Peak	Peak	US MH	DS MH	Hydraulic
District	District	City	City		Diameter	Length	Gradient	Elevation	Elevation	Elevation	Elevation	Capacity	Modeled	Modeled	Maximum	Maximum	Condition at
МН	MH	MH ID	MHID	Sewer	(in)	(ft)	(%)	(ft)	(ft)	(ft)	(ft)	(mgd)	Flow (mgd)	Velocity (ft/s)	Depth (ft)	Depth (ft)	Peak Flow
52	53	E2-21041	E2-21043	Adeline Drive	6	422	9.184	403.1	400.9	362.7	352.7	1.10	0.04	2.18	0.09	0.11	Gravity
53	54	E2-21043	E2-21044	Adeline Drive	6	233	9.183	362.7	352.7	338.6	331.3	1.10	0.07	2.6	0.11	0.13	Gravity
54	55	E2-21044	E2-21045	Adeline Drive	6	378	9.181	338.6	331.3	307.0	296.6	1.10	0.12	4.0	0.13	0.14	Gravity
55	51																
51	50	E2-21045	E2-21046	Adeline Drive	6	287	9.180	307.0	296.6	272.2	270.2	1.10	0.15	4.8	0.14	0.15	Gravity
50	70	E2-21046	E3-21008	Adeline Drive	6	260	9.183	272.2	270.2	255.2	246.3	1.10	0.17	5.5	0.15	0.15	Gravity
70	74	E3-21008	E3-21009	Adeline Drive	6	195	9.181	255.2	246.3	232.0	228.4	1.10	0.17	5.2	0.15	0.16	Gravity
74	76	E3-21009	E3-21007	Adeline Drive	6	232	11.183	232.0	228.4	207.8	202.4	1.21	0.21	1.4	0.16	2.95	Surcharged
49	48	E2-21036	E2-21037	Adeline Drive Trunk	8	78	1.230	214.4	209.5	238.1	208.6	0.87	0.92	3.8	FULL	4.88	Throttled
48	47	E2-21037	E2-21038	Adeline Drive Trunk	8	55	1.231	238.1	208.6	212.7	207.9	0.87	0.92	3.4	4.85	4.73	Throttled
47	46	E2-21038	E2-21039	Adeline Drive Trunk	8	96	0.521	212.7	207.9	211.1	207.4	0.56	0.92	3.5	4.70	FULL	Throttled
46	45	E2-21039	E2-21040	Adeline Drive Trunk	8	205	0.537	211.1	207.4	211.1	206.3	0.57	0.60	2.6	FULL	3.77	Throttled
45	65	E2-21040	E3-21001	Adeline Drive Trunk	8	100	0.470	211.1	206.3	212.2	205.8	0.54	0.60	2.7	3.76	3.67	Throttled
65	66	E3-21001	E3-21002	Adeline Drive Trunk	8	121	0.515	212.2	205.8	210.3	205.2	0.56	0.61	2.6	3.65	3.54	Throttled
66	67	E3-21002	E3-21003	Adeline Drive Trunk	8	172	0.489	210.3	205.2	208.4	204.4	0.55	0.65	2.6	3.52	3.15	Throttled
67	68																
68	69																
69	72	E3-21003	E3-21004	Adeline Drive Trunk	8	140	0.493	208.4	204.4	206.2	203.7	0.55	0.71	2.8	3.13	FULL	Throttled
72	73	E3-21004	E3-21005	Adeline Drive Trunk	8	60	0.250	206.2	203.7	212.5	203.5	0.39	0.61	3.0	FULL	2.57	Throttled
73	75	E3-21005	E3-21006	Adeline Drive Trunk	8	97	0.658	212.5	203.5	206.7	202.9	0.63	0.61	2.5	2.56	2.85	Surcharged
75	76	E3-21006	E3-21007	Adeline Drive Trunk	8	106	0.454	206.7	202.9	207.8	202.4	0.53	0.61	2.5	2.84	2.95	Throttled
76	78	E3-21007	E3-21010	Adeline Drive Trunk	8	340	0.591	207.8	202.4	210.2	200.4	0.60	0.75	3.1	2.93	1.69	Throttled
78	80	E3-21010	E3-21011	Adeline Drive Trunk	8	243	0.585	210.2	200.4	203.2	199.0	0.60	0.79	4.1	1.66	0.53	Throttled
80	79	E3-21011	E3-21012	Adeline Drive Trunk	8	159	13.308	203.2	199.0	181.5	177.8	2.85	0.83	9.1	0.25	0.28	Gravity
93	94	E3-21040	E3-21041	Hillside Drive Trunk	6	398	6.550	288.6	275.8	252.5	249.7	0.93	0.20	3.8	0.17	0.21	Gravity
94	96	E3-21041	E3-21096	Hillside Drive Trunk	6	254	8.837	252.5	249.7	232.9	227.2	1.08	0.36	7.0	0.21	0.21	Gravity
96	237	E3-21096	E3-21097	Hillside Drive Trunk	6	129	8.839	232.9	227.2	217.0	215.8	1.08	0.36	6.8	0.21	0.22	Gravity
237	238	E3-21097	E3-21098	Hillside Drive Trunk	6	302	10.537	217.0	215.8	187.3	184.0	1.18	0.42	6.4	0.22	0.26	Gravity
238	5842	E3-21098	E3-21099	Hillside Drive Trunk	6	225	6.548	187.3	184.0	172.2	169.3	0.93	0.45	3.2	0.26	2.10	Surcharged
13	14	F2-21004	F2-21005	Canyon Road	6	100	6.332	555.0	545.7	549.3	539.4	0.91	0.22	5.5	0.18	0.18	Gravity
14	21	F2-21005	F2-21006	Canyon Road	6	213	10.098	549.3	539.4	523.4	517.9	1.15	0.22	5.6	0.16	0.18	Gravity
21	24	F2-21006	F2-21009	Canyon Road	6	129	10.606	523.4	517.9	508.7	504.2	1.18	0.27	6.7	0.18	0.18	Gravity
24	29	F2-21009	F2-21010	Canyon Road	6	179	10.675	508.7	504.2	488.8	485.1	1.19	0.27	6.1	0.18	0.19	Gravity
29	22	F2-21010	F2-21017	Canyon Road	6	59	10.881	488.8	485.1	481.8	478.7	1.20	0.32	7.5	0.19	0.19	Gravity

	Attachment A. Model Results - Design Storm																
US	DS	US	DS		Pipe			US Rim	US Invert	DS Rim	DS Invert	Pipe Full	Peak	Peak	US MH	DS MH	Hydraulic
District	District	City	City		Diameter	Length	Gradient	Elevation	Elevation	Elevation	Elevation	Capacity	Modeled	Modeled	Maximum	Maximum	Condition at
MH	MH	MH ID	MH ID	Sewer	(in)	(ft)	(%)	(ft)	(ft)	(ft)	(ft)	(mgd)	Flow (mgd)	Velocity (ft/s)	Depth (ft)	Depth (ft)	Peak Flow
22	27	F2-21017	F2-21018	Canyon Road	6	207	11.758	481.8	478.7	458.9	454.4	1.24	0.32	6.1	0.18	0.22	Gravity
27	185	F2-21018	F2-21019	Canyon Road	6	117	10.674	458.9	454.4	445.0	441.9	1.19	0.42	8.4	0.22	0.22	Gravity
185	191	F2-21019	F2-21020	Canyon Road	6	167	11.164	445.0	441.9	425.2	423.3	1.21	0.42	7.4	0.21	0.23	Gravity
191	194	F2-21020	F2-21021	Canyon Road	6	154	11.167	425.2	423.3	410.0	406.1	1.21	0.47	8.5	0.23	0.22	Gravity
194	186	F2-21021	F2-21025	Canyon Road	6	231	11.730	410.0	406.1	383.5	379.0	1.24	0.47	6.6	0.22	0.28	Gravity
186	190																
190	218	F2-21025	F2-21032	Canyon Road	6	161	9.392	383.5	379.0	368.8	363.9	1.11	0.58	7.2	0.27	0.31	Gravity
218	216	F2-21032	F2-21033	Canyon Road	6	151	7.308	368.8	363.9	356.8	352.9	0.98	0.58	7.2	0.29	0.31	Gravity
216	217	F2-21033	F2-21034	Canyon Road	6	161	8.558	356.8	352.9	343.6	339.1	1.06	0.62	7.7	0.29	0.32	Gravity
217	162	F2-21034	F2-21035	Canyon Road	6	161	8.450	343.6	339.1	331.4	325.5	1.06	0.62	3.7	0.29	FULL	Surcharged
162	165	F2-21035	F2-21044	Canyon Road	6	102	7.151	331.4	325.5	323.5	318.2	0.97	0.98	7.0	FULL	FULL	Throttled
165	163	F2-21044	F2-21052	Canyon Road	6	83	6.883	323.5	318.2	317.3	312.5	0.95	0.95	6.1	5.25	FULL	Throttled
163	155	F2-21052	F2-21053	Canyon Road	6	256	5.465	317.3	312.5	303.5	298.5	0.85	0.83	5.5	FULL	4.88	Surcharged
155	156	F2-21053	F2-21055	Canyon Road	6	146	4.838	303.5	298.6	300.1	291.5	0.80	0.85	5.8	4.77	3.28	Throttled
156	154	F2-21055	F2-21056	Canyon Road	6	69	3.068	300.1	291.5	296.0	289.4	0.64	0.94	7.8	3.18	0.45	Throttled
6071	6078	F3-21039	F3-21040	El Prado Road Easement	6	232	17.445	414.0	409.5	373.2	369.0	1.52	0.03	2.5	0.08	0.08	Gravity
154	139	F2-21056	F2-21081	Canyon Road Trunk	8	255	11.561	296.0	289.4	265.5	259.9	2.66	1.24	8.4	0.33	0.43	Gravity
139	180	F2-21081	F3-21045	Canyon Road Trunk	8	160	6.363	265.5	259.9	254.0	249.7	1.97	1.24	7.3	0.39	0.48	Gravity
180	181	F3-21045	F3-21047	Canyon Road Trunk	8	208	4.733	254.0	249.7	243.3	239.9	1.70	1.24	8.1	0.43	0.43	Gravity
181	174	F3-21047	F3-21048	Canyon Road Trunk	8	145	8.740	243.3	239.9	230.9	227.2	2.31	1.31	9.6	0.37	0.41	Gravity
174	178	F3-21048	F3-21049	Canyon Road Trunk	8	100	8.497	230.9	227.2	223.2	218.7	2.28	1.31	9.6	0.37	0.41	Gravity
178	176	E3-29001	E3-21051	Canyon Road Trunk	8	142	8.495	213.4	210.4	203.4	198.3	2.28	1.32	6.8	0.38	1.00	Surcharged
176	177	E3-21051	E3-21053	Canyon Road Trunk	8	174	4.822	203.4	198.3	196.0	189.9	1.72	1.45	5.8	0.84	2.93	Surcharged
177	105	E3-21053	E3-21057	Canyon Road Trunk	8	189	2.702	196.0	189.9	188.6	184.8	1.28	1.51	7.1	2.83	0.60	Throttled
105	104	E3-21057	E3-21058	Canyon Road Trunk	8	258	5.411	188.6	184.8	175.7	170.8	1.82	1.54	8.4	0.48	1.18	Surcharged
104	108	E3-21058	E3-21059	Canyon Road Trunk	8	215	6.949	175.7	170.8	163.0	155.9	2.06	1.53	5.6	1.01	FULL	Surcharged
108	241	E3-21059	E3-21067	Canyon Road Trunk	8	232	2.810	163.0	155.9	156.8	149.4	1.31	1.41	5.1	FULL	5.89	Throttled

Abbreviations:

MH - manhole

in - inches

ft - feet

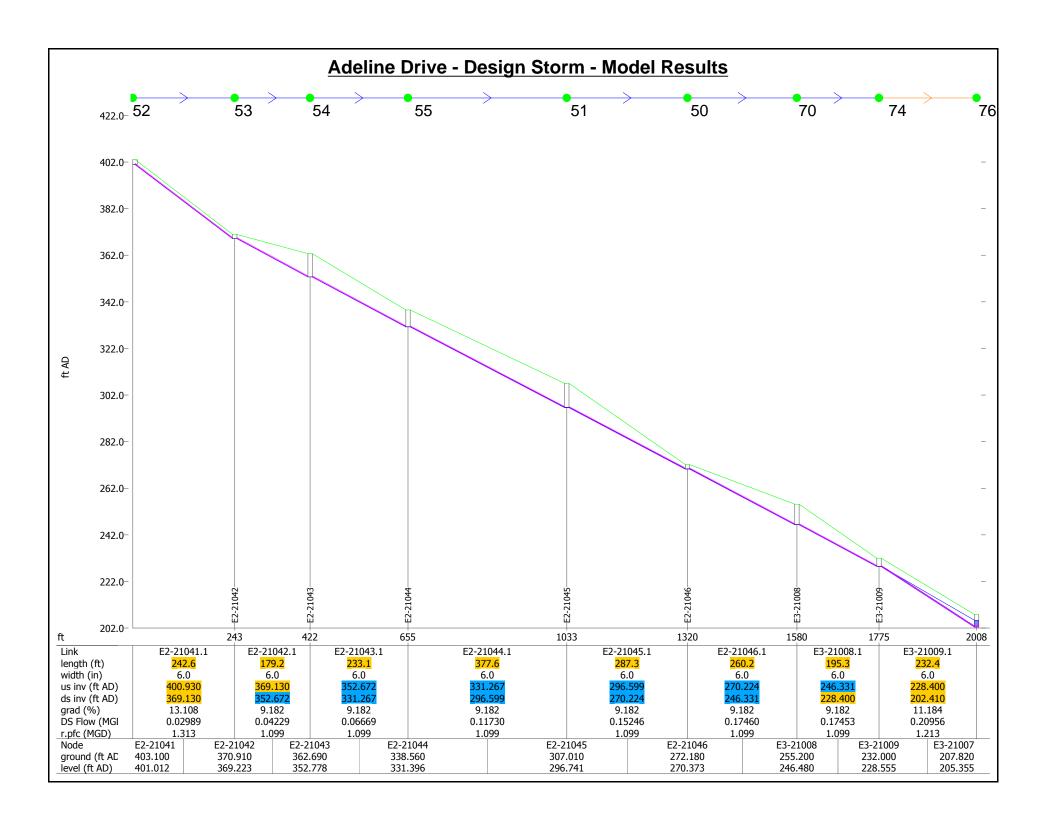
US - upstream

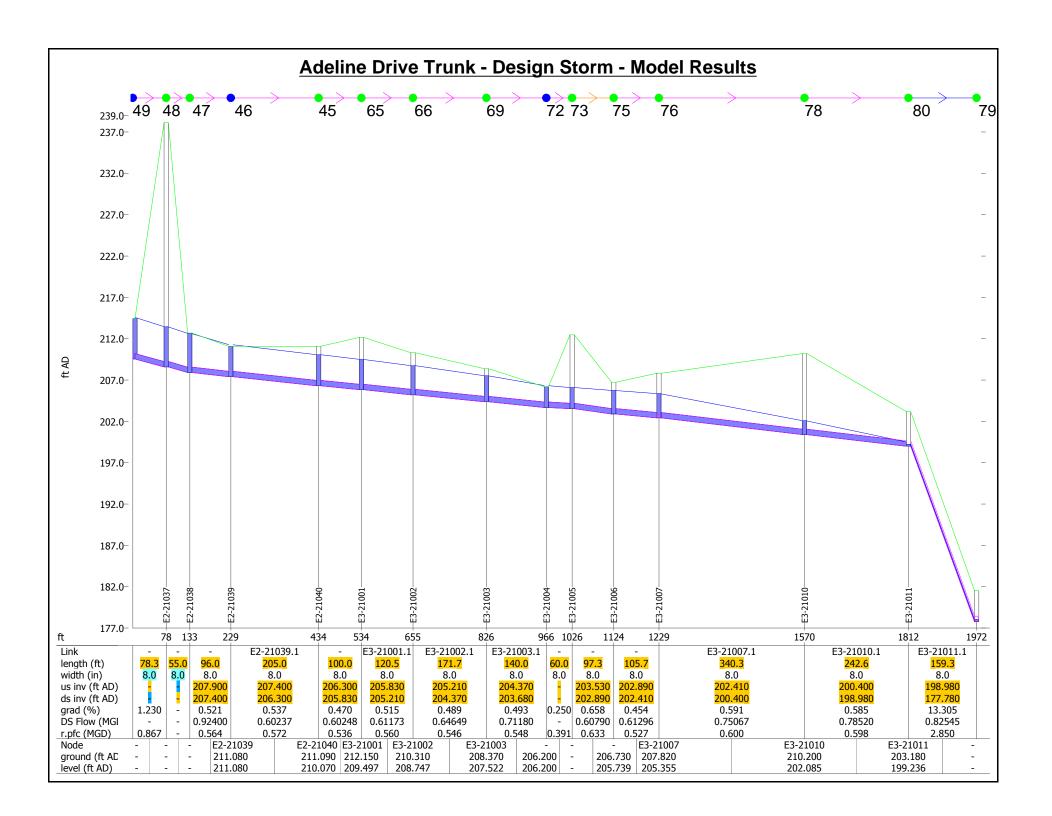
DS - downstream

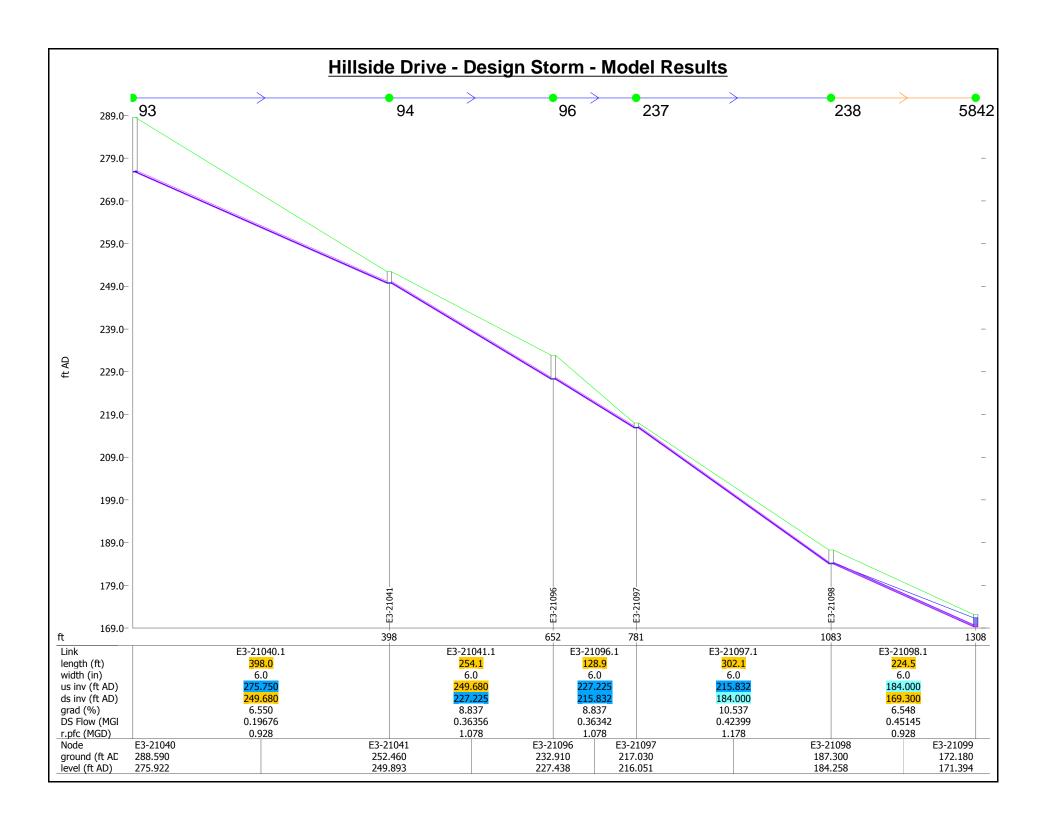
mgd - million gallons per day

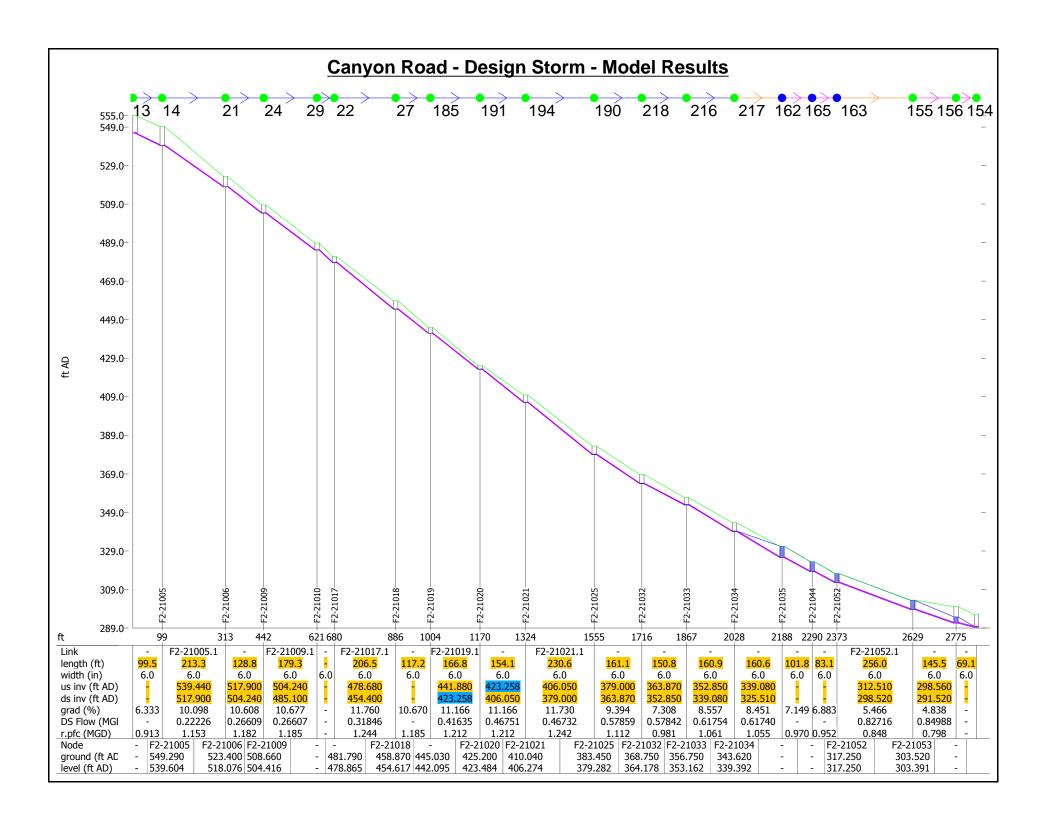
ft/s - feet per second

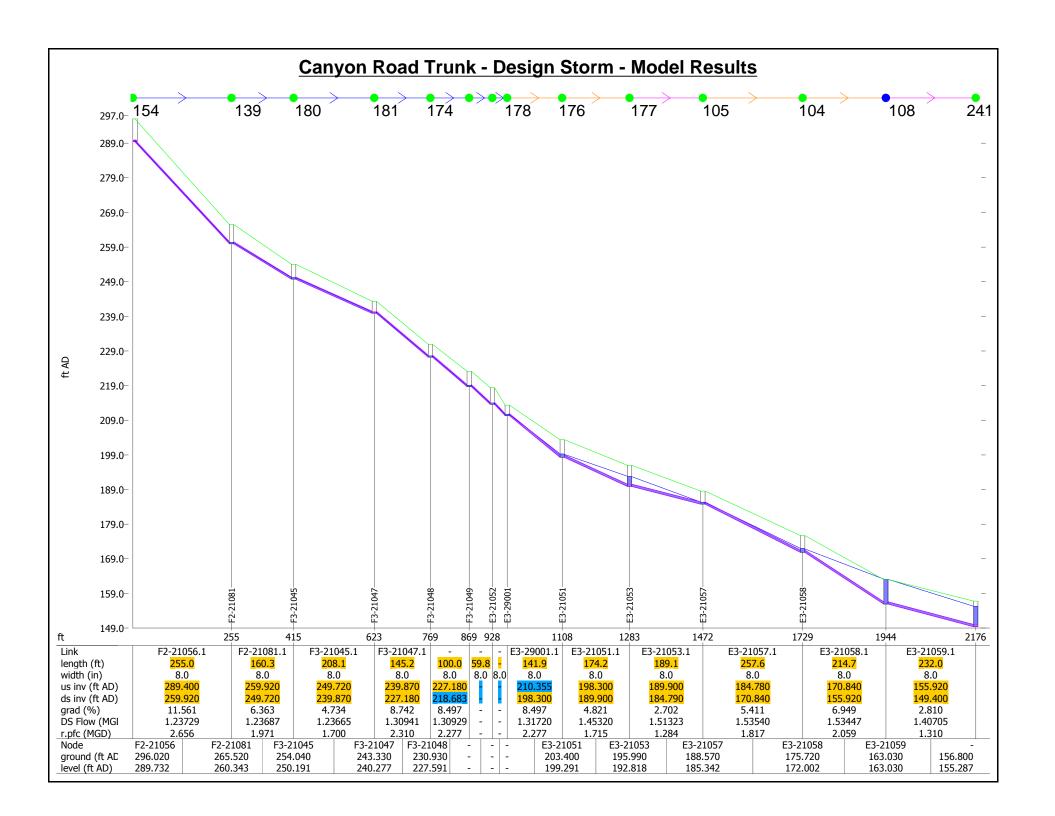


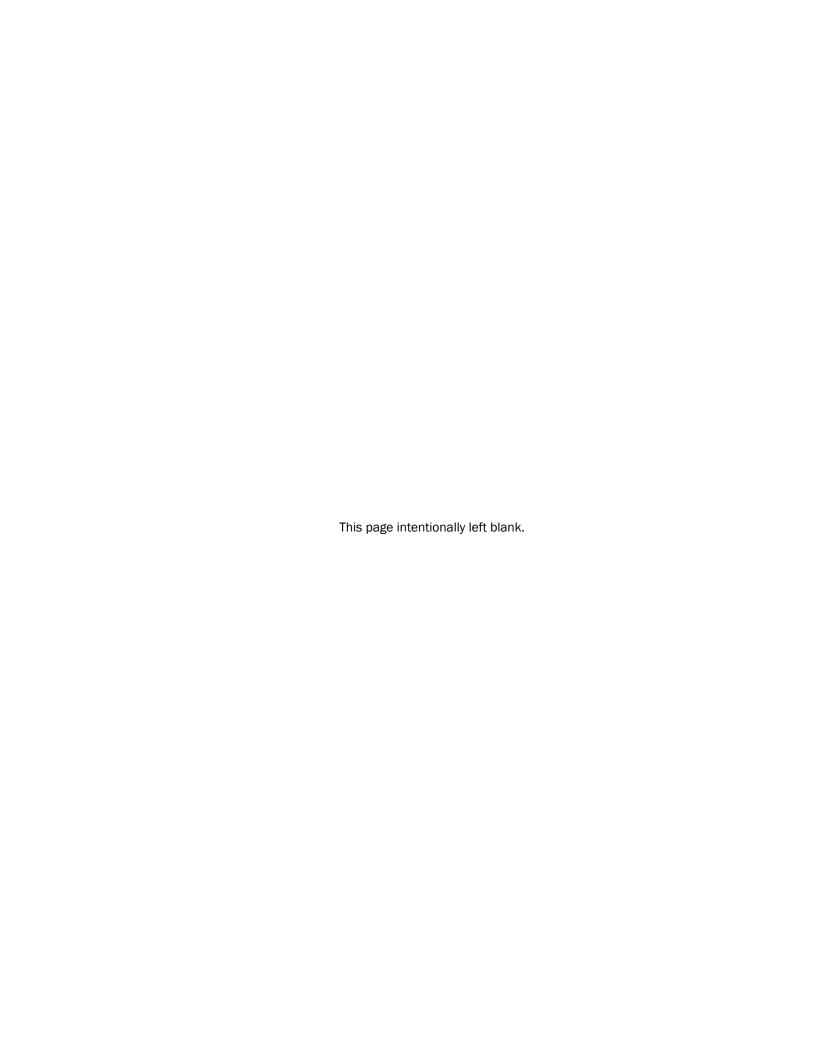




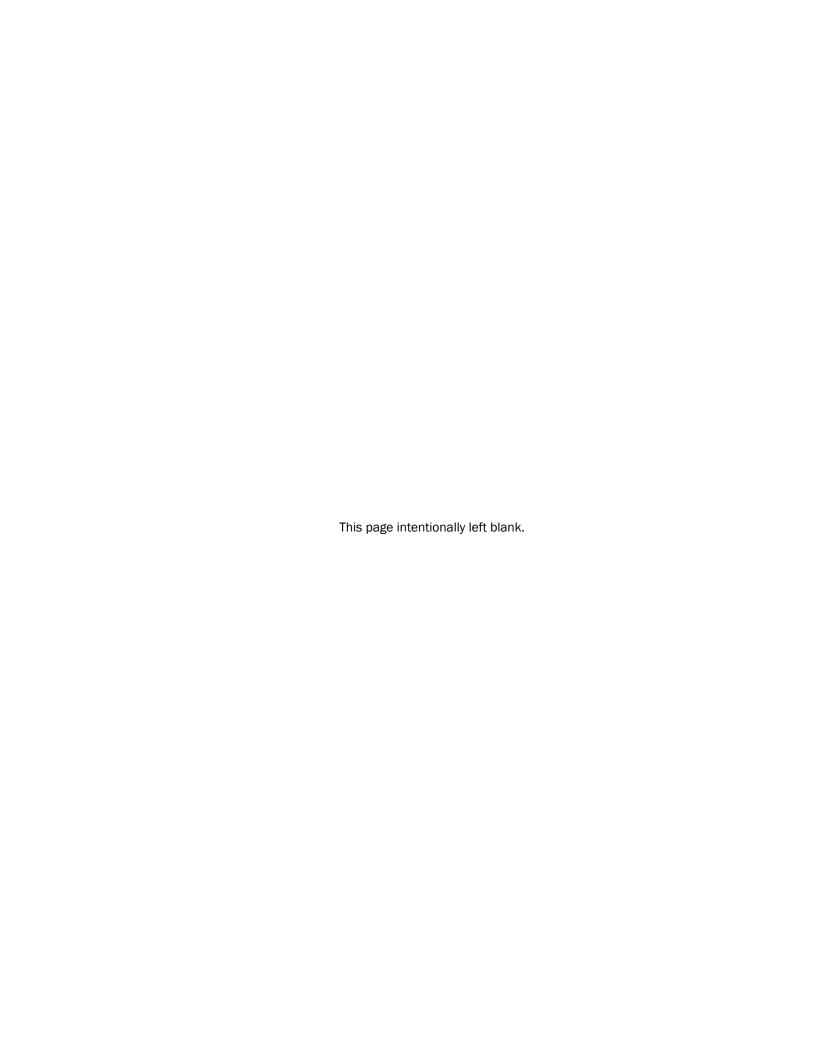








Attachment B: Model Results - Consent Decree Storm



	Attachment B. Model Results - Consent Decree Storm																
District	District	US	DS		Pipe			US Rim	US Invert	DS Rim	DS Invert	Pipe Full	Peak		US MH	DS MH	Hydraulic
Manho	Manho	City	City		Diameter	Length	Gradient	Elevation	Elevation	Elevation	Elevation	Capacity	Modeled	Peak Modeled	Maximum	Maximum	Condition at
le	le	MH ID	MHID	Sewer	(in)	(ft)	(%)	(ft)	(ft)	(ft)	(ft)	(mgd)	Flow (mgd)	Velocity (ft/s)	Depth (ft)	Depth (ft)	Peak Flow
52	53	E2-21041	E2-21043	Adeline Drive	6	422	9.184	403.1	400.9	362.7	352.7	1.10	0.03	1.78	0.09	0.10	Gravity
53	54	E2-21043	E2-21044	Adeline Drive	6	233	9.183	362.7	352.7	338.6	331.3	1.10	0.05	2.3	0.10	0.11	Gravity
54	55	E2-21044	E2-21045	Adeline Drive	6	378	9.181	338.6	331.3	307.0	296.6	1.10	0.08	3.4	0.11	0.13	Gravity
55	51																
51	50	E2-21045	E2-21046	Adeline Drive	6	287	9.180	307.0	296.6	272.2	270.2	1.10	0.11	4.1	0.13	0.13	Gravity
50	70	E2-21046	E3-21008	Adeline Drive	6	260	9.183	272.2	270.2	255.2	246.3	1.10	0.13	4.7	0.13	0.13	Gravity
70	74	E3-21008	E3-21009	Adeline Drive	6	195	9.181	255.2	246.3	232.0	228.4	1.10	0.13	4.5	0.13	0.14	Gravity
74	76	E3-21009	E3-21007	Adeline Drive	6	232	11.183	232.0	228.4	207.8	202.4	1.21	0.15	1.0	0.14	2.68	Surcharged
49	48	E2-21036	E2-21037	Adeline Drive Trunk	8	78	1.230	214.4	209.5	238.1	208.6	0.87	0.92	3.8	FULL	4.87	Throttled
48	47	E2-21037	E2-21038	Adeline Drive Trunk	8	55	1.231	238.1	208.6	212.7	207.9	0.87	0.92	3.4	4.84	4.73	Throttled
47	46	E2-21038	E2-21039	Adeline Drive Trunk	8	96	0.521	212.7	207.9	211.1	207.4	0.56	0.92	3.5	4.70	FULL	Throttled
46	45	E2-21039	E2-21040	Adeline Drive Trunk	8	205	0.537	211.1	207.4	211.1	206.3	0.57	0.61	2.6	FULL	3.73	Throttled
45	65	E2-21040	E3-21001	Adeline Drive Trunk	8	100	0.470	211.1	206.3	212.2	205.8	0.54	0.60	2.7	3.71	3.60	Throttled
65	66	E3-21001	E3-21002	Adeline Drive Trunk	8	121	0.515	212.2	205.8	210.3	205.2	0.56	0.61	2.6	3.59	3.46	Throttled
66	67	E3-21002	E3-21003	Adeline Drive Trunk	8	172	0.489	210.3	205.2	208.4	204.4	0.55	0.64	2.6	3.44	3.08	Throttled
67	68																
68	69																
69	72	E3-21003	E3-21004	Adeline Drive Trunk	8	140	0.493	208.4	204.4	206.2	203.7	0.55	0.69	2.7	3.07	FULL	Throttled
72	73	E3-21004	E3-21005	Adeline Drive Trunk	8	60	0.250	206.2	203.7	212.5	203.5	0.39	0.61	3.0	FULL	2.51	Throttled
73	75	E3-21005	E3-21006	Adeline Drive Trunk	8	97	0.658	212.5	203.5	206.7	202.9	0.63	0.61	2.5	2.50	2.70	Surcharged
75	76	E3-21006	E3-21007	Adeline Drive Trunk	8	106	0.454	206.7	202.9	207.8	202.4	0.53	0.61	2.6	2.69	2.68	Throttled
76	78	E3-21007	E3-21010	Adeline Drive Trunk	8	340	0.591	207.8	202.4	210.2	200.4	0.60	0.74	3.1	2.66	1.54	Throttled
78	80	E3-21010	E3-21011	Adeline Drive Trunk	8	243	0.585	210.2	200.4	203.2	199.0	0.60	0.76	4.0	1.51	0.52	Throttled
80	79	E3-21011	E3-21012	Adeline Drive Trunk	8	159	13.308	203.2	199.0	181.5	177.8	2.85	0.79	9.0	0.25	0.28	Gravity
93	94	E3-21040	E3-21041	Hillside Drive Trunk	6	398	6.550	288.6	275.8	252.5	249.7	0.93	0.14	3.4	0.15	0.18	Gravity
94	96	E3-21041	E3-21096	Hillside Drive Trunk	6	254	8.837	252.5	249.7	232.9	227.2	1.08	0.26	6.3	0.18	0.18	Gravity
96	237	E3-21096	E3-21097	Hillside Drive Trunk	6	129	8.839	232.9	227.2	217.0	215.8	1.08	0.26	6.0	0.18	0.19	Gravity
237	238	E3-21097	E3-21098	Hillside Drive Trunk	6	302	10.537	217.0	215.8	187.3	184.0	1.18	0.30	5.8	0.18	0.22	Gravity
238	5842	E3-21098	E3-21099	Hillside Drive Trunk	6	225	6.548	187.3	184.0	172.2	169.3	0.93	0.32	2.4	0.22	1.36	Surcharged
13	14	F2-21004	F2-21005	Canyon Road	6	100	6.332	555.0	545.7	549.3	539.4	0.91	0.19	5.5	0.17	0.17	Gravity
14	21	F2-21005	F2-21006	Canyon Road	6	213	10.098	549.3	539.4	523.4	517.9	1.15	0.19	5.3	0.15	0.17	Gravity
21	24	F2-21006	F2-21009	Canyon Road	6	129	10.606	523.4	517.9	508.7	504.2	1.18	0.23	6.3	0.17	0.17	Gravity
24	29	F2-21009	F2-21010	Canyon Road	6	179	10.675	508.7	504.2	488.8	485.1	1.19	0.23	5.7	0.16	0.18	Gravity
29	22	F2-21010	F2-21017	Canyon Road	6	59	10.881	488.8	485.1	481.8	478.7	1.20	0.27	6.9	0.18	0.18	Gravity

	Attachment B. Model Results - Consent Decree Storm																
District	District	US	DS		Pipe			US Rim	US Invert	DS Rim	DS Invert	Pipe Full	Peak		US MH	DS MH	Hydraulic
Manho	Manho	City	City		Diameter	Length	Gradient	Elevation	Elevation	Elevation	Elevation	Capacity	Modeled	Peak Modeled	Maximum	Maximum	Condition at
le	le	MH ID	MH ID	Sewer	(in)	(ft)	(%)	(ft)	(ft)	(ft)	(ft)	(mgd)	Flow (mgd)	Velocity (ft/s)	Depth (ft)	Depth (ft)	Peak Flow
22	27	F2-21017	F2-21018	Canyon Road	6	207	11.758	481.8	478.7	458.9	454.4	1.24	0.27	5.8	0.17	0.20	Gravity
27	185	F2-21018	F2-21019	Canyon Road	6	117	10.674	458.9	454.4	445.0	441.9	1.19	0.35	8.1	0.20	0.19	Gravity
185	191	F2-21019	F2-21020	Canyon Road	6	167	11.164	445.0	441.9	425.2	423.3	1.21	0.35	6.9	0.20	0.21	Gravity
191	194	F2-21020	F2-21021	Canyon Road	6	154	11.167	425.2	423.3	410.0	406.1	1.21	0.39	7.9	0.21	0.21	Gravity
194	186	F2-21021	F2-21025	Canyon Road	6	231	11.730	410.0	406.1	383.5	379.0	1.24	0.39	6.4	0.21	0.24	Gravity
186	190																
190	218	F2-21025	F2-21032	Canyon Road	6	161	9.392	383.5	379.0	368.8	363.9	1.11	0.48	7.2	0.24	0.26	Gravity
218	216	F2-21032	F2-21033	Canyon Road	6	151	7.308	368.8	363.9	356.8	352.9	0.98	0.48	7.2	0.26	0.26	Gravity
216	217	F2-21033	F2-21034	Canyon Road	6	161	8.558	356.8	352.9	343.6	339.1	1.06	0.52	7.7	0.26	0.26	Gravity
217	162	F2-21034	F2-21035	Canyon Road	6	161	8.450	343.6	339.1	331.4	325.5	1.06	0.52	3.7	0.26	FULL	Surcharged
162	165	F2-21035	F2-21044	Canyon Road	6	102	7.151	331.4	325.5	323.5	318.2	0.97	0.97	7.0	5.91	FULL	Throttled
165	163	F2-21044	F2-21052	Canyon Road	6	83	6.883	323.5	318.2	317.3	312.5	0.95	0.95	6.1	5.25	FULL	Surcharged
163	155	F2-21052	F2-21053	Canyon Road	6	256	5.465	317.3	312.5	303.5	298.5	0.85	0.83	5.5	FULL	4.74	Surcharged
155	156	F2-21053	F2-21055	Canyon Road	6	146	4.838	303.5	298.6	300.1	291.5	0.80	0.85	5.8	4.63	3.14	Throttled
156	154	F2-21055	F2-21056	Canyon Road	6	69	3.068	300.1	291.5	296.0	289.4	0.64	0.92	7.7	3.04	0.45	Throttled
6071	6078	F3-21039	F3-21040	El Prado Road Easement	6	232	17.445	414.0	409.5	373.2	369.0	1.52	0.03	2.2	0.08	0.08	Gravity
154	139	F2-21056	F2-21081	Canyon Road Trunk	8	255	11.561	296.0	289.4	265.5	259.9	2.66	1.16	8.4	0.32	0.41	Gravity
139	180	F2-21081	F3-21045	Canyon Road Trunk	8	160	6.363	265.5	259.9	254.0	249.7	1.97	1.16	7.3	0.38	0.45	Gravity
180	181	F3-21045	F3-21047	Canyon Road Trunk	8	208	4.733	254.0	249.7	243.3	239.9	1.70	1.16	7.9	0.42	0.42	Gravity
181	174	F3-21047	F3-21048	Canyon Road Trunk	8	145	8.740	243.3	239.9	230.9	227.2	2.31	1.22	9.6	0.35	0.38	Gravity
174	178	F3-21048	F3-21049	Canyon Road Trunk	8	100	8.497	230.9	227.2	223.2	218.7	2.28	1.22	9.6	0.36	0.38	Gravity
178	176	E3-29001	E3-21051	Canyon Road Trunk	8	142	8.495	213.4	210.4	203.4	198.3	2.28	1.23	6.8	0.36	0.52	Gravity
176			E3-21053	Canyon Road Trunk	8	174	4.822	203.4	198.3	196.0	189.9	1.72	1.34	5.7	0.46	1.86	Surcharged
177	105	E3-21053	E3-21057	Canyon Road Trunk	8	189	2.702	196.0	189.9	188.6	184.8	1.28	1.40		1.78		Throttled
105	104	E3-21057	E3-21058	Canyon Road Trunk	8	258	5.411	188.6	184.8	175.7	170.8	1.82	1.42	8.4	0.45	0.49	Gravity
104	108	E3-21058	E3-21059	Canyon Road Trunk	8	215	6.949	175.7	170.8	163.0	155.9	2.06	1.42			FULL	Surcharged
108	241	E3-21059	E3-21067	Canyon Road Trunk	8	232	2.810	163.0	155.9	156.8	149.4	1.31	1.41	5.1	FULL	5.87	Throttled

Abbreviations:

MH - manhole

in - inches

ft - feet

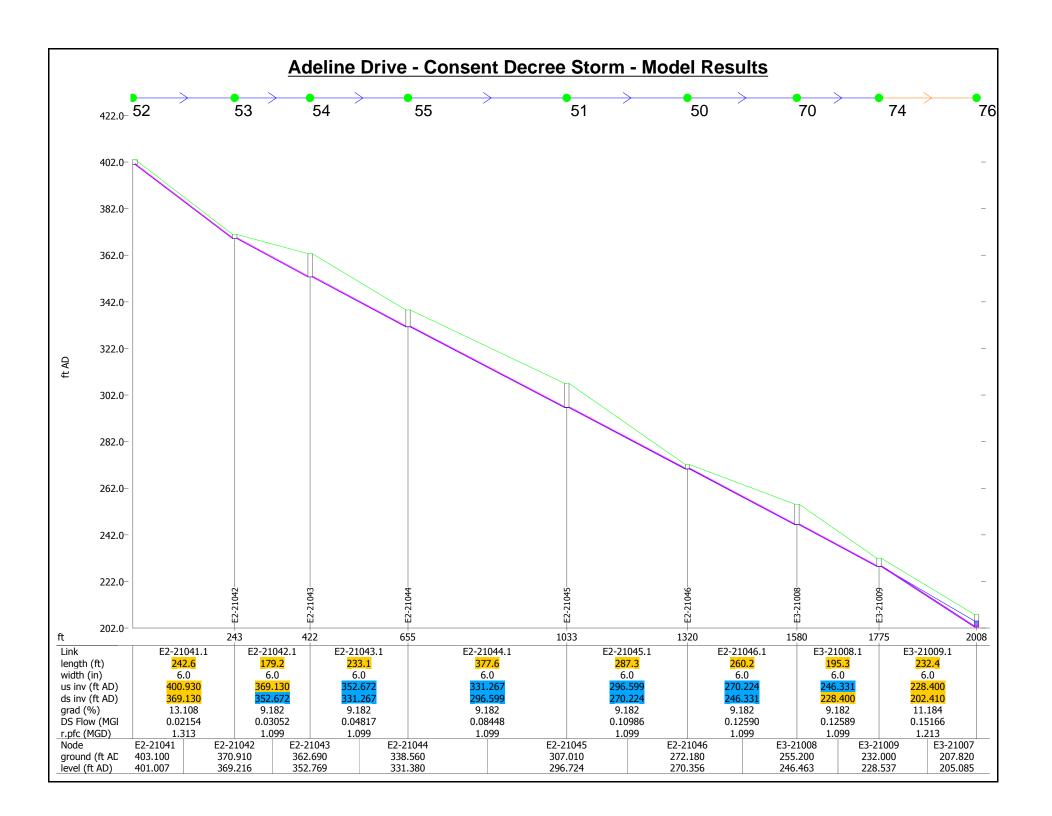
US - upstream

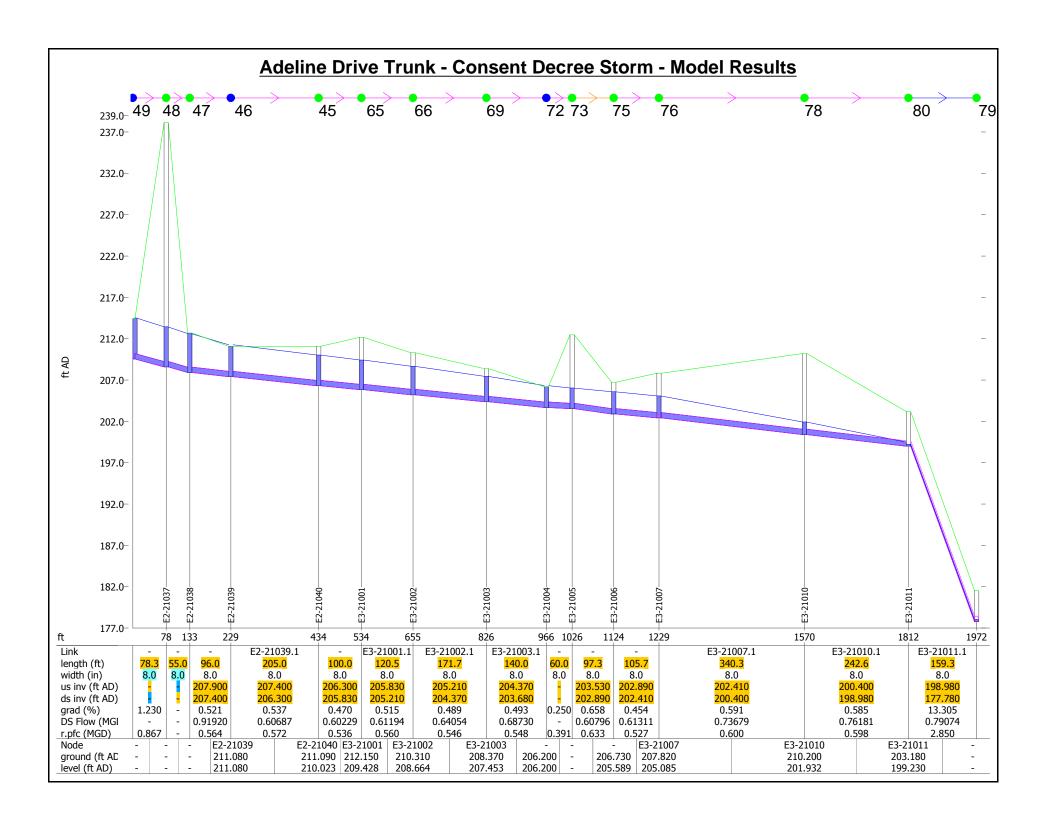
DS - downstream

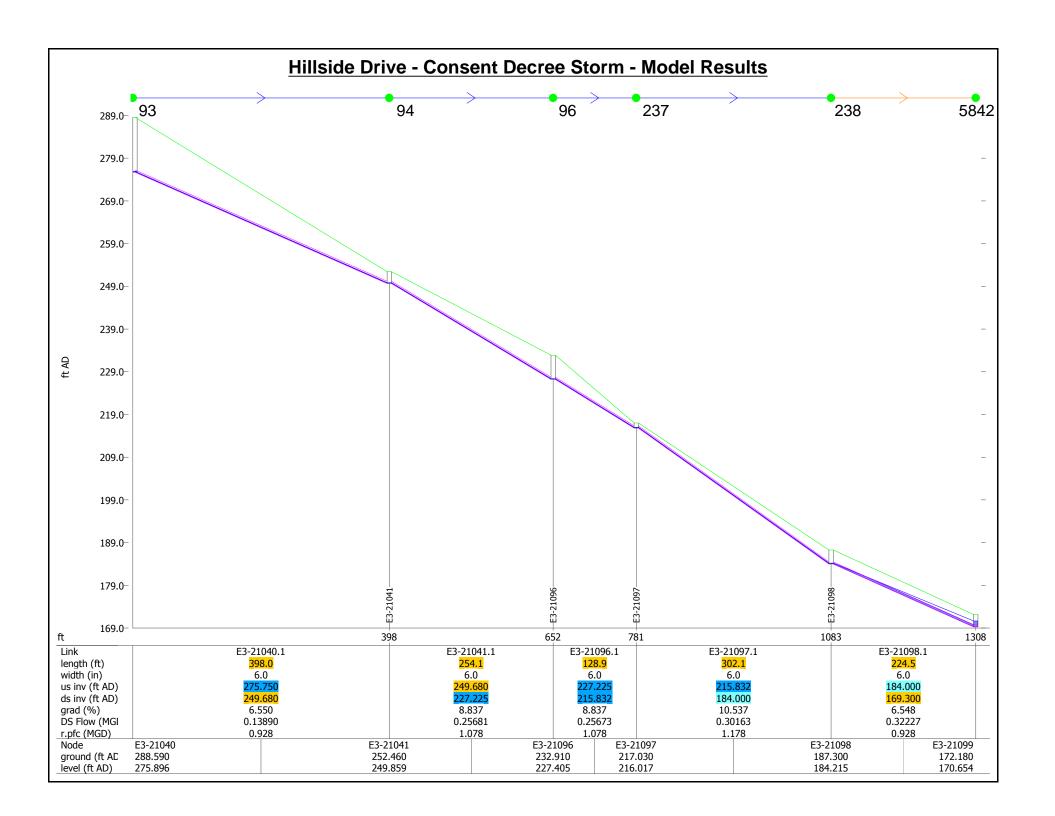
mgd - million gallons per day

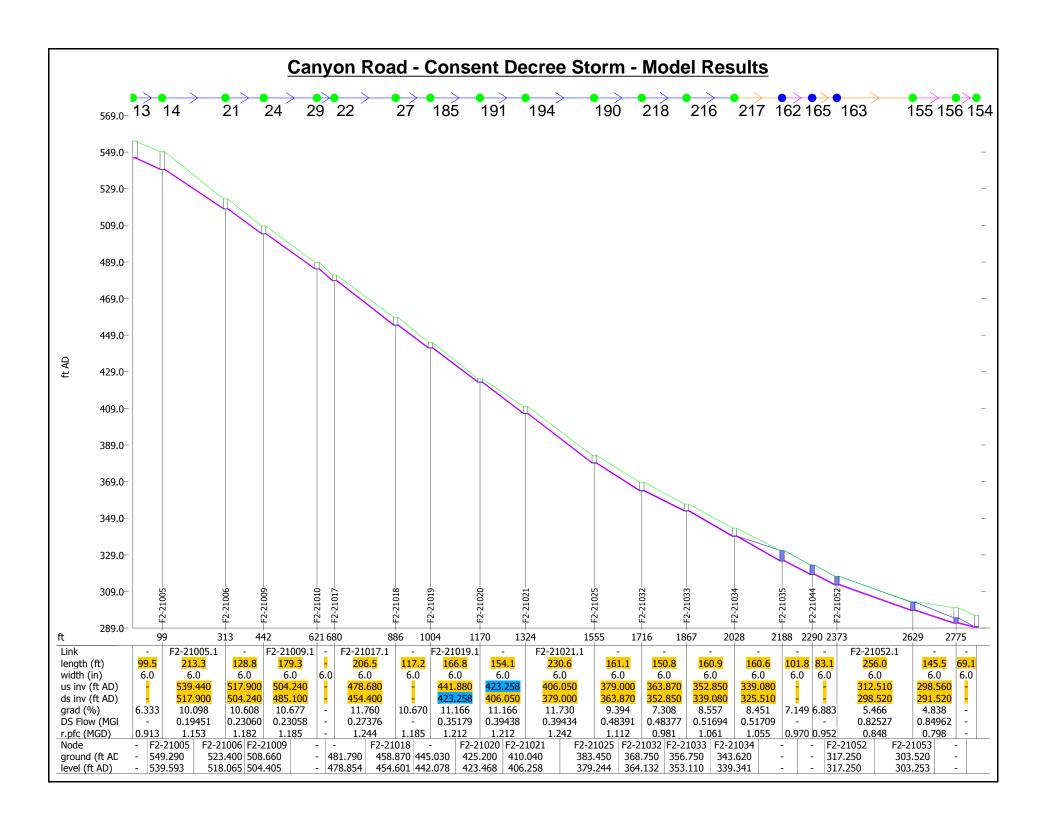
ft/s - feet per second

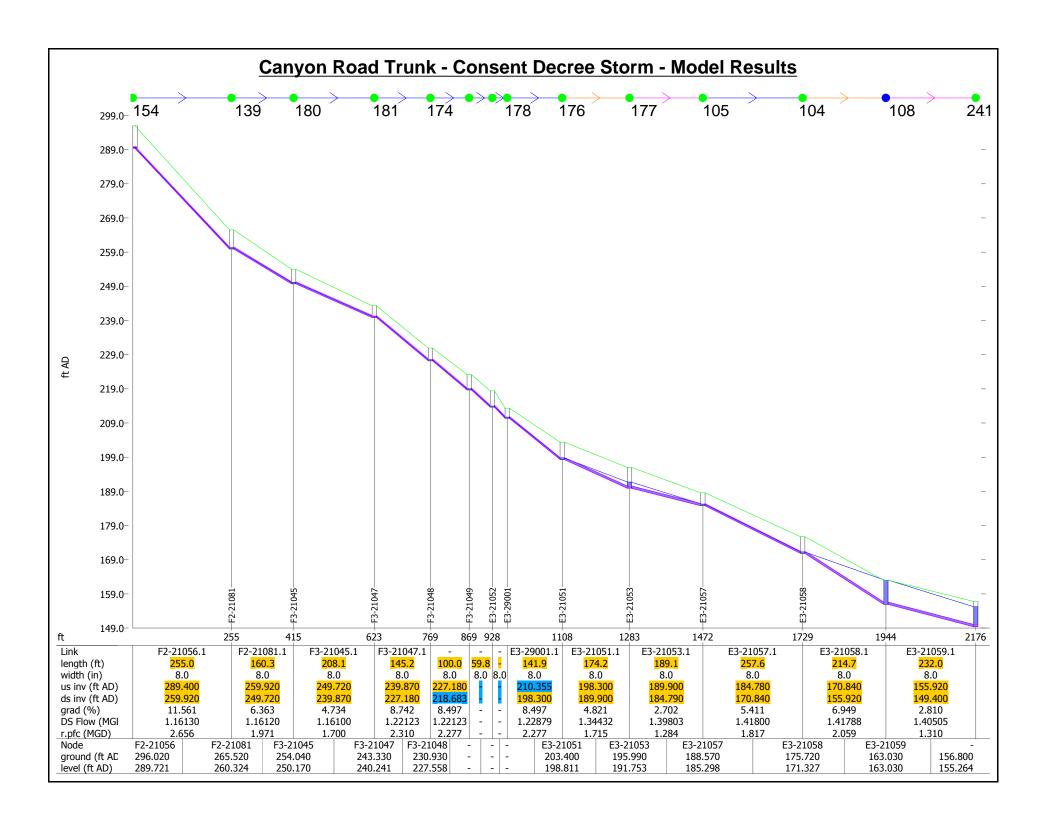














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Technical Memorandum FINAL

Prepared for: County of San Mateo, Burlingame Hills Sewer Maintenance District

Project Title: Wastewater Collection System Capacity Assurance Plan and Master Plan Update

Project No: 139924-005-001

Technical Memorandum No. 4

Subject: Capital Improvement Plan Development (Task 5)

Date: June 24, 2011

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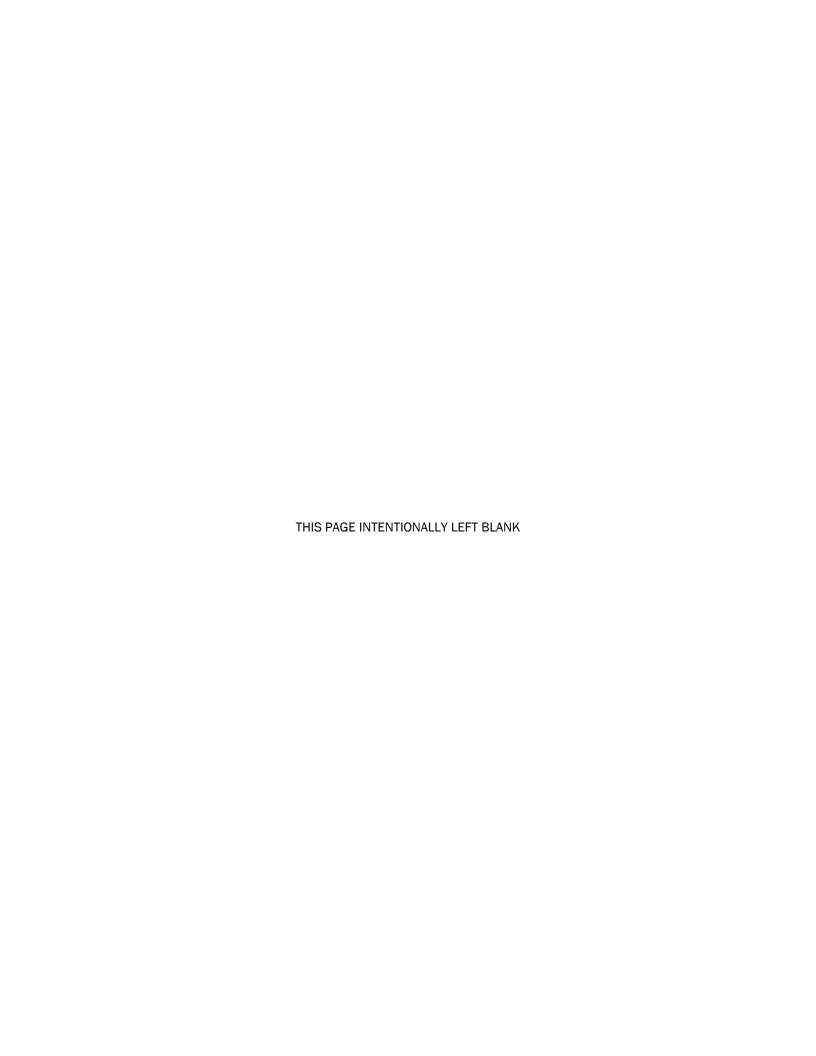


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Technical Memorandum 4

Capital Improvement Plan Development

This Technical Memorandum 4 (TM 4) describes the development of projects to address capacity and infiltration and inflow (I/I) deficiencies identified in the Burlingame Hills Sewer Maintenance District (District) collection system and presents the recommended Capital Improvement Plan (CIP), including estimated project costs and recommended prioritization.

4.1 Introduction

The intent of the District Wastewater Collection System Capacity Assurance Plan and Master Plan Update (Master Plan Update) project is to develop an update to the 1999 Master Plan utilizing flow monitoring data collected in the District and the City of Burlingame (City) in 2009 and field inspection data collected as part of this project.

4.1.1 Scope of Work

The scope of work for the Master Plan Update includes the following tasks:

- 1. Project Management
- 2. Infiltration/Inflow (I/I) Field Inspections
- 3. Hydraulic Model Development
- 4. System Performance Evaluation and Capacity Assurance Plan
- 5. Capital Improvement Plan Development

TM 4 is the deliverable for Task 5, Capital Improvement Plan Development.

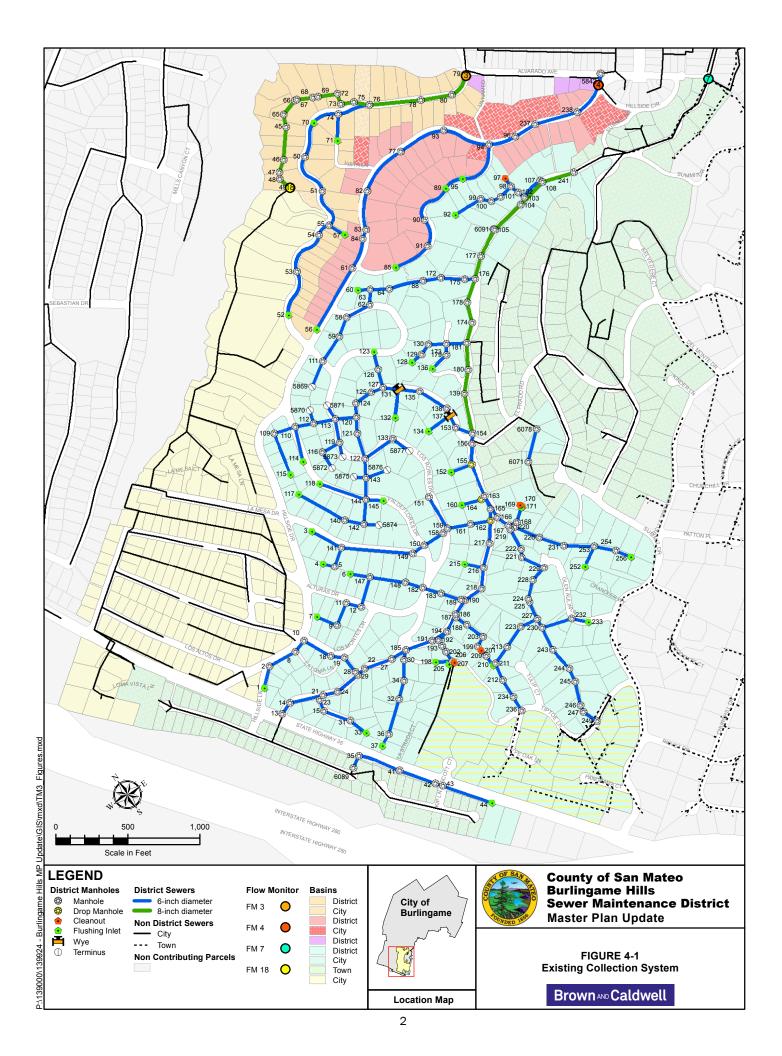
4.1.2 Service Area

The District service area encompasses approximately 161 acres located in the County of San Mateo (County) on the San Francisco Peninsula. The District is roughly bounded by Canyon Road and Summit Drive in the south, Skyline Boulevard and Tiptoe Lane in the west, Hillside Drive and Adeline Drive in the north and Alvarado Avenue in the east. Figure 4-1 shows the District service area and collection system.

4.1.3 Existing Collection System

The District's collection system consists of approximately 6.6 miles of mainly 6-inch to 8-inch-diameter vitrified clay pipe. There are three main trunk sewers in the District, located on Adeline Drive, Canyon Road and Hillside Drive. These sewers roughly divide the District's service area into three major drainage areas.

The District's collection system also transports City and Town of Hillsborough (Town) flows in the trunk sewers on Adeline Drive and Canyon Road and in the sewer on Canyon Road upstream of the trunk sewer. The contributing City and Town areas (approximately 165 acres) are also shown on Figure 4-1.



District service area flows are conveyed by gravity to the City's collection system and transported to and treated at the City's wastewater treatment plant (WWTP). Wastewater pumping stations are not required in the District due to the topography in the service area. The District's trunk sewers discharge to the City's collection system at three different City manholes:

- E3-21012 at Adeline Drive and Alvarado Avenue
- E3-21099 at Hillside Drive and Alvarado Avenue
- E3-21067 at Canyon Road and Summit Drive.

4.1.4 Previous Planning Reports and Information

An evaluation of the District's wastewater collection system was completed in 1999. The City, which transports and treats the District's wastewater and contributes flows to District's sewers, retained Brown and Caldwell to prepare an evaluation of their wastewater collection system in 2010. Brown and Caldwell's scope of work for the City's project did not include similar private-sector I/I field investigations in City areas contributing flows to the District, though that task is a requirement of the City's Consent Decree. A list of the reports, planning documents, and information used in the development of this Master Plan Update is included in the References section.

Collection system field inspections and recommendations to address I/I deficiencies were presented in TM 1, System Performance Evaluation – Collection System Field Inspections. Hydraulic modeling was performed using the hydraulic model developed in TM 2, Hydraulic Model Development. The hydraulic performance of the modeled sewers was evaluated in TM 3, System Performance Evaluation and Capacity Assurance Plan – Hydraulics.

4.2 Project Development

Improvement projects are recommended in the collection system to:

- Convey peak wet weather flows (capacity improvement projects).
- Reduce the total rainfall dependent I/I (RDI/I) at the City's WWTP and correct structural deficiencies (collection system rehabilitation projects).

Capacity improvement projects are based on the results of the hydraulic assessment presented in TM 3. Collection system rehabilitation projects are based on the hydraulic assessment as well as the results of the collection system field inspections presented in TM 1.

4.2.1 Capacity Improvement Projects

Capacity improvement projects are recommended to address hydraulic deficiencies and reduce the occurrence of sanitary sewer overflows (SSOs) in the District's collection system for the two 10-year design storm conditions. Capacity improvement projects are recommended for the Adeline Drive and Canyon Road trunk sewers. Hydraulic deficiencies by pipe reach were identified and evaluated, and the most effective improvement (e.g. relief sewers, sewer replacement, and sewer re-routing) were modeled iteratively from upstream to downstream until system hydraulic grade lines (HGLs) dropped to provide an acceptable level of surcharge freeboard. The capacity improvement projects are detailed in Table 4-1.



Table 4-1. Capacity Improvement Projects										
			Dian	neter	Length,					
Project	Up MH	Down MH	Existing	Future	feet1					
	49	48	8	10	97					
	48	47	8	10	45					
	47	46	8	12	94					
	46	45	8	12	228					
	45	65	8	12	86					
	65	66	8	12	16					
	66	67	8	12	124					
Addres Book Tool Occur	67	68	8	12	109					
Adeline Drive Trunk Sewer	68	69	8	12	40					
	69	72	8	12	137					
	72	73	8	12	74					
	73	75	8	12	93					
	75	76	8	12	109					
	76	78	8	12	357					
	78	80	8	12	218					
	80	79	8	12	180					
				Project	2,007					
	162	165	6	8	82					
	165	163	6	8	96					
	163	155	6	8	241					
	155	156	6	8	143					
	156	154	6	8	69					
	154	139	8	82	282					
	139	180	8	82	170					
	180	181	8	82	185					
Canyon Road Trunk Sewer	181	174	8	82	147					
	174	178	8	8 ²	143					
	178	176	8	8 ²	170					
	176	177	8	10	163					
	177	105	8	10	206					
	105	104	8	10	252					
	104	108	8	10	217					
	108	241	8	10	229					
				Project	2,795					

¹Lengths are from the shape lengths in the County GIS.

²These reaches have adequate hydraulic capacity. Replacement of the reaches for rehabilitation is included with the capacity improvement project so the entire length is constructed under one project to minimize community disruption.



4.2.2 Collection System Rehabilitation Projects

Collection system rehabilitation projects are recommended to reduce RDI/I by at least 30 percent. Basins 3, 4, and 7 (areas tributary to flow monitor locations) that include the District's collection system were identified as candidates for rehabilitation for RDI/I reduction in the City Master Plan and TM3.

The collection system consists of sewer mains, manholes and laterals. Laterals are privately owned by property owners and extend from the house or other building to the connection at the sewer main. In order to obtain a 30 percent reduction in RDI/I, it is recommended that the District evaluate the two rehabilitation scenarios described below and implement the projects as funds are made available and in accordance with the requirements of the Consent Decree.

The first scenario would include rehabilitation of all sewer mains and manholes in Basins 3, 4 and 7 and to require property owners to address RDI/I sources that were identified by smoke and dye testing (downspouts, area drains, etc). The second scenario would include a combination of sewer main replacement, manhole rehabilitation, and private lateral replacement. With this alternative, property owners will need to agree to fund the rehabilitation of the laterals in conjunction with District funded rehabilitation of about 60 percent of the sewer mains and manholes in Basins 3, 4 and 7.

Projected RDI/I reductions are approximate and actual RDI/I reductions will depend on the type of rehabilitation performed and how much RDI/I is contributed by sewer mains and manholes and how much is contributed by laterals. Projections may need to be adjusted based on actual results.

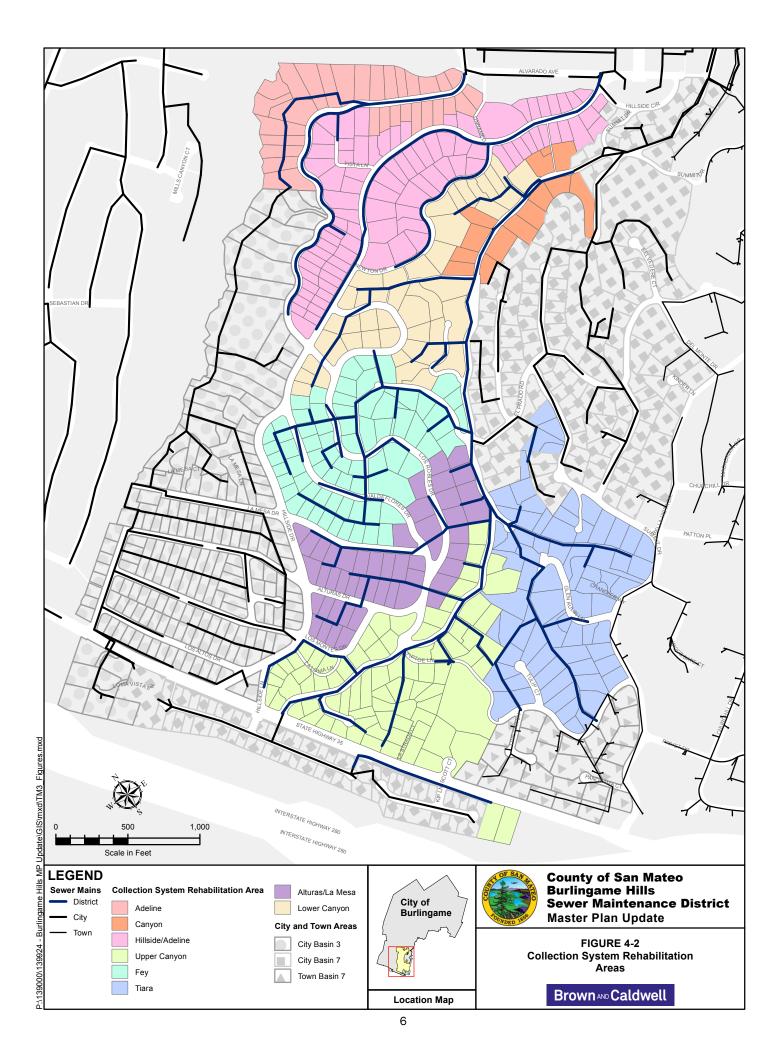
Collection System Rehabilitation Projects were developed using an area approach within the three basins, where an entire area is rehabilitated as compared to specific defects spread throughout the basin. The collection system was divided in eight areas for rehabilitation, as shown on Figure 4-2. Two of these areas match the Capacity Improvement Project extents (Adeline and Canyon); the remaining areas were identified by location and are summarized in Table 4-2.

Table 4-2. Collection System Rehabilitation Areas										
	Diamet	er, inches		Length of						
Area	Existing	Future ¹	Mains	Manholes	Parcels	Sewer Main, feet ²				
Hillside/Adeline	6-8	8	27	29	87	6,744				
Upper Canyon	6	8	50	52	80	6,355				
Fey	6	8	37	40	71	6,019				
Tiara	6	8	35	37	71	4,520				
Alturas/La Mesa	6	8	23	27	48	3,606				
Lower Canyon	6	8	26	29	44	3,128				
TOTAL 198 214 401										

¹8-inch-diameter is the standard minimum sewer main size in several engineering standards such as the 10 States Standards and many local agencies. Hydraulic modeling results showed the existing 6-inch diameter sewers have adequate hydraulic capacity.



²Lengths are from the shape lengths in the County GIS.



4.3 Project Prioritization

Projects to address hydraulic deficiencies are the highest priority, and are required in the Consent Decree to be completed within 3 1/2 years from the date of the final Capacity Assurance Report. Projects to reduce RDI/I volume at the City WWTP through rehabilitation are the next highest priority, and are scheduled to be completed by 2020 to align with the requirements of the City's Consent Decree and Master Plan. Costs for rehabilitation of sewer mains to correct severe structural deficiencies identified during upcoming CCTV inspections are included with the collection system rehabilitation projects; prioritization of the rehabilitation may need to be adjusted in order to meet the requirements of the Consent Decree. The project priorities are summarized in Table 4-3.

Table 4-3. Project Prioritization					
Priority	Schedule	Project Types			
1	2011-2015 ¹	Capacity Improvements ²			
2	2015 to 2020 ³	Collection System Rehabilitation			

^{13 1/2} years from the date of the final Capacity Assurance Report.

4.3.1 2011 to 2015

The two Capacity Improvement Projects are recommended for completion by 2015 to comply with the terms of the Consent Decree:

- 1. Adeline Drive Capacity Improvement Project
- 2. Canyon Road Capacity Improvement Project

The District is also required to complete CCTV inspection on their collection system in accordance with the terms of the Consent Decree. A project to complete these inspections is included in this CIP. The District is required to repair, rehabilitate, or re-inspect any sewers with Pipeline Assessment and Certification Program (PACP) Grade 5 structural defects within two years of the inspection and PACP Grade 4 structural defects within five years of the inspection. Costs for these repairs are not included here because all pipe reaches are included in the collection system rehabilitation project costs. The District may need to reprioritize rehabilitation after evaluation of the CCTV inspection results.

4.3.2 2015 to 2020

All areas in the District's collection system are recommended for rehabilitation between 2015 and 2020 for RDI/I reduction at the City WWTP. Three areas were identified as higher priority for rehabilitation projects by 2020 based on the defect observations presented in TM 1 and the RDI/I evaluation presented in TM 3:

- 3. Hillside/Adeline Area Rehabilitation Project
- 4. Upper Canyon Area Rehabilitation Project
- 5. Fey

Hillside/Adeline. The Hillside/Adeline area includes the Adeline Drive Sewer, located in Basin 3, and the Hillside Drive Trunk Sewer, located in Basin 4. These basins have high R-factors (percentage of rainfall volume that enters the collection system) combined with many moderate (cracks/fractures) and severe (broken/hole) structural deficiencies in the sewer mains as well as minor and moderate manhole defects.



²Capacity improvement project locations in the District's collection system are the same for the Consent Decree and Design Storms.

³10 Years from the completion of the City's Master Plan.

Upper Canyon. The Upper Canyon area, located in Basin 7, includes the Canyon Road Sewer and side sewers from Skyline Boulevard to the start of the Canyon Road Capacity Improvement Project. The Canyon Road Sewer has many moderate and some severe structural deficiencies as well as minor and moderate manhole defects.

Fey. The Fey area, located in Basin 7, had a number of minor and moderate manhole defects that are potential sources of I/I.

Rehabilitation of Hillside/Adeline, Upper Canyon, and Fey areas would total approximately 19,118 linear feet (LF). When combined with the capacity improvement projects, these projects would result in a total of approximately 23,920 LF (68 percent of collection system) of sewer main rehabilitation in the District, comprehensive rehabilitation of Basin 3 and Basin 4 and partial rehabilitation of Basin 7.

The remaining three areas, approximately 11,250 LF or one-third of the collection system, are the final priority for rehabilitation based on available condition information:

- 6. Tiara
- 7. Alturas/La Mesa
- 8. Lower Canyon

If the District elects to perform comprehensive private lateral rehabilitation, the main sewer and manhole rehabilitation project may be reduced by approximately 40 percent.

4.4 Construction Costs

Project costs were developed based on planning level unit costs and preliminary pipeline lengths and diameters developed above in Section 4.2.

4.4.1 Pipeline Construction Methods

Two pipeline construction methods are considered for developing costs for this master plan update, pipe bursting and open cut construction:

- Pipe Bursting. Pipe bursting is a trenchless method of constructing replacement sewer pipe. The replacement sewer can be of the same or slightly larger diameter (up to two nominal pipe diameter sizes) as the existing pipe, but the pipe grade must remain the same. In the past, minor soil heaving in shallow pipe trenches has been mitigated with a pavement saw-cut trench over the pipe.
- Open Cut Construction. Open cut construction is the traditional method of installing sewer pipe and consists of excavating a trench along the alignment of the existing sewer reach, removing the existing pipeline, and installing a new sewer. The replacement sewer can be of the same or larger diameter, and can be constructed at a different grade depending on the downstream conditions.

The District prefers replacing sewers by the pipe bursting method because of its cost effectiveness and has had success with pipe bursting projects in the District. Therefore, pipe bursting was the default construction method chosen for pipeline projects, and open cut construction was only considered in cases of extremely shallow cover, required grade change, or where pipe diameters increased more than two nominal sizes.

4.4.2 Unit Costs

Planning level unit costs are presented in Table 4-4, and are for replacement by pipe bursting or open cut construction of sewers less than ten feet deep and CCTV inspection. Planning level unit costs were developed from bid tabs from recent pipeline construction projects in Northern California and confirmed with bid results from several recent City sewer projects, details of which can be found in Attachment A.

Table 4-4. Sanitary Sewer Unit Costs					
Item	Unit	\$/Unit			
Pipe Bursting					
8-inch	LF	\$184			
10-inch	LF	\$220			
12-inch	LF	\$264			
Open Cut					
8-inch	LF	\$272			
10-inch	LF	\$280			
12-inch	LF	\$336			
15-inch	LF	\$420			
CCTV Inspection	LF	\$2			

Unit costs for sewer replacement by open cut construction and pipe bursting include:

- Mobilization and demobilization
- · Traffic control
- · Normal sheeting, shoring and bracing
- · Excavation and typical dewatering
- · Standard manholes at typical intervals
- Lateral reconnection at typical intervals
- Typical surface restoration
- Erosion, sediment and stormwater control
- Overhead and profit.

Costs for CCTV inspection include the field inspection costs including pre-cleaning of the sewer lines.

4.4.3 Lateral Rehabilitation Costs

Costs for the rehabilitation of privately-owned lateralswill average approximately \$8,000 per lateral plus contingencies. This includes the full replacement or rehabilitation of the lateral from the house to the sewer main.

4.4.4 Other Costs

Other costs include allowances for contingency as well as engineering, administration, change orders, etc.

Contingency. A contingency of 35 percent was added to the planning level costs to obtain planning level construction costs. Planning level projects have many inherent uncertainties and it is appropriate to include a contingency allowance to cover the potential additional construction costs. Uncertainties associated with planning-level projects include unexpected geotechnical conditions, extraordinary utility relocation, alignment changes, and permits. All of these uncertainties can increase the construction cost.

Engineering, Administration, Change Orders, etc. 35 percent was added to the planning level costs to account for design, construction services, administration, legal and environmental services, and construction change orders. Engineering services associated with projects are estimated at 15 to 17 percent of the construction cost and include preliminary investigations and design services, site and route surveys, geotechnical explorations, preparation of drawings and specifications, construction services, surveying and



staking, and sampling and testing of materials. Administrative charges are estimated at 8 to 10 percent of the construction cost and include administrative costs, legal and environmental services, financing expenses, and interest during construction. A 10 percent allowance is also included for unforeseen construction change orders. The total allowance for engineering, administrative, and change orders costs is 35 percent of the construction cost.

4.5 Capital Improvement Plan

The CIP is comprised of sanitary sewer hydraulic capacity projects required to meet the Consent Decree Scenario and/or the Design Scenario (described in TM 3) and collection system rehabilitation projects for RDI/I reduction. The capital improvement projects are summarized in Table 4-5, and are shown in Figure 4-3.

4.6 Other Recommendations

We recommend the District address private property I/I deficiencies, correct structural defects in the timeframe for action in the Consent Decree, and prepare an update to the Master Plan following completion of the CIP projects to evaluate the effectiveness of the RDI/I reduction.

4.6.1 Private Property I/I Deficiencies

The only major sources of I/I identified during field inspections were two private property inflow sources (125 La Mesa Drive and 162 Los Robles Drive) and the unknown source draining to manhole 67, included in Table 4-6. We recommend the District contact the property owners to coordinate disconnection of these major inflow sources as expeditiously as possible, as required by the Consent Decree.

We also recommend the District contact property owners with lateral and cleanout I/I deficiencies to coordinate testing and repair of laterals and cleanouts with smoke sources in accordance with the sewer ordinance. Properties with lateral and cleanout I/I defects identified in TM 1 are also included in Table 4-6.

In many collection systems, privately-owned laterals are found to be a significant source of RDI/I, typically as much as 50 percent of the total collection system RDI/I. Lateral rehabilitation throughout the collection system can occur through a program that requires the property owner to inspect (CCTV or air test), and repair as necessary in accordance with the sewer ordinance, the privately-owned lateral at the sale of the property, as a condition for a building permit, or under some other trigger. Lateral repairs within the County street right-of-way will require a separate encroachment permit and inspection process.

4.6.2 CCTV Inspection Defect Correction

After CCTV inspection of the collection system, the District should correct (clean, repair, rehabilitate) or monitor (re-inspect) structural and operation and maintenance defects in accordance with the requirements of the Consent Decree.

4.6.3 Master Plan Update

After completion of the Capacity and Collection System Rehabilitation Projects, BC recommends the District update this Master Plan. This project should include flow monitoring to evaluate the effectiveness of the projects at reducing RDI/I.



	Table 4-5. Capital Improvement Plan Project Summary									
Project No.	Name	Project Description	Existing Size	Future Size	Quantity, LF or No.	Construction Cost	Contingency	Construction Cost with Contingency	Engineering, Admin, Etc.	Total Project Cost
2011-20	011-2015: Capacity Improvement Projects									
Α	Collection System CCTV Inspection	CCTV inspection for condition assessment	-	-	35,097	\$70,190	\$24,570	\$94,760	\$33,170	\$127,930
1	Adeline Drive Capacity Improvement	Upsize and re-grade by open cut construction.	8-in	10-in, 12-in	2,007	\$656,320	\$229,710	\$886,030	\$310,110	\$1,196,140
2	Canyon Road Capacity Improvement	Upsize by open cut construction ¹ .	6-in, 8-in	8-in, 10-in	2,795	\$768,780	\$269,070	\$1,037,850	\$363,250	\$1,401,100
Subtotal - Capacity Improvement Projects						\$1,495,290	\$523,350	\$2,018,640	\$706,530	\$2,725,170
2015-2020: Collection System Rehabilitation Projects										
3	Hillside/Adeline Area Rehabilitation	Replace by pipe bursting ² .	6-in, 8- in	8-in	6,744	\$1,240,900	\$434,320	\$1,675,220	\$586,330	\$2,261,550
4	Upper Canyon Area Rehabilitation	Replace by pipe bursting ² .	6-in	8-in	6,355	\$1,169,320	\$409,260	\$1,578,580	\$552,500	\$2,131,080
5	Fey Area Rehabilitation	Replace by pipe bursting ² .	6-in	8-in	6,019	\$1,107,500	\$387,630	\$1,495,130	\$523,300	\$2,018,430
6	Tiara Area Rehabilitation	Replace by pipe bursting ² .	6-in	8-in	4,520	\$831,680	\$291,090	\$1,122,770	\$392,970	\$1,515,740
7	Alturas/La Mesa Area Rehabilitation	Replace by pipe bursting ² .	6-in	8-in	3,606	\$663,500	\$232,230	\$895,730	\$313,510	\$1,209,240
8	Lower Canyon Area Rehabilitation	Replace by pipe bursting ² .	6-in	8-in	3,128	\$575,550	\$201,440	\$776,990	\$271,950	\$1,048,940
Subtotal - Collection System Rehabilitation Projects						\$5,588,450	\$1,955,970	\$7,544,420	\$2,640,560	\$10,184,980
2015-2020: Optional Private-Property Lateral Rehabilitation Projects ³										
9	Private-Property Lateral Rehabilitation		-	-	445	\$3,560,000	\$1,246,000	\$4,806,000	\$1,682,100	\$6,488,100
Subtotal – Optional Private-Property Lateral Rehabilitation Projects						\$3,560,000	\$1,246,000	\$4,806,000	\$1,682,100	\$6,488,100
Total – Without Private-Property Lateral Rehabilitation					\$7,083,740	\$2,479,320	\$9,563,060	\$3,347,090	\$12,910,150	
Total – With Private Property Lateral Rehabiliation (Including 40 percent reduction of Collection System Rehabilitation Cost) ⁴						\$8,408,360	\$2,942,930	\$11,351,290	\$3,972,950	\$15,324,240

¹Open cut construction is identified because the pipe is shallow at some locations.



²If open cut construction is required because of sags, shallow pipes, or utility interference, the costs would increase by 48 percent.

³Service laterals are not owned by the District. These projects would require separate funding from property owners. See Section 4.2.2.

⁴Includes costs for private-property lateral rehabilitation. These costs would require separate funding from property owners. Implementation of a lateral rehabilitation program would reduce the Collection System Rehabilitation Project costs by approximately 40 percent.

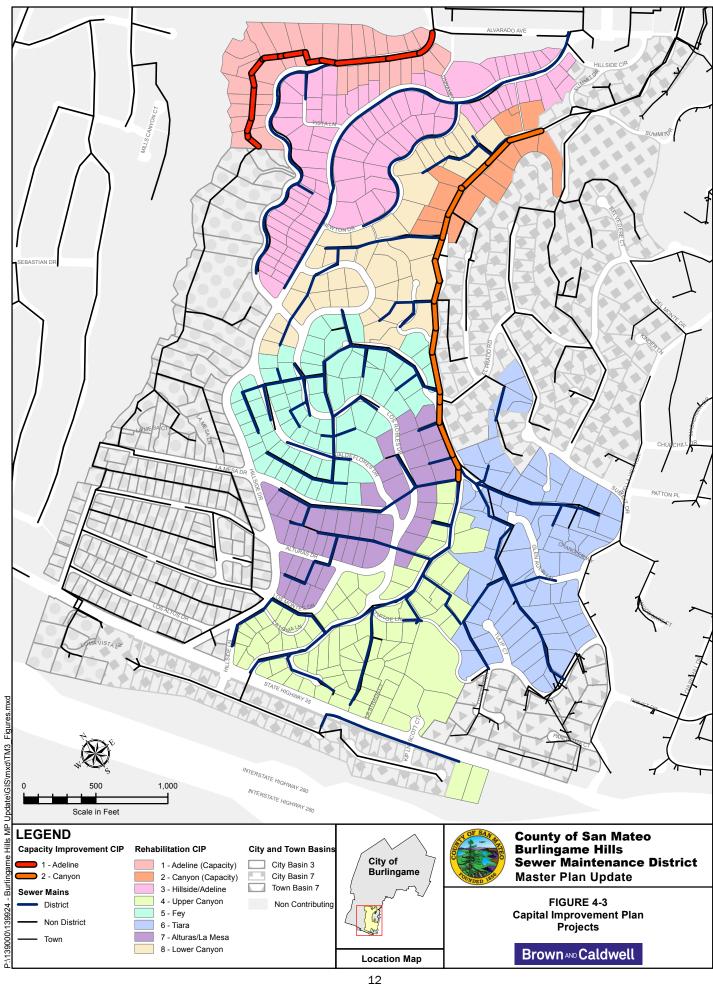


Table 4-6. Private Properties with I/I Deficiencies						
Address	I/I Defect Location					
2815 Adeline Drive	Lower Lateral					
2825 Adeline Drive	Upper Cleanout					
2835 Adeline Drive	Lower Cleanout					
2880 Adeline Drive	Lower Lateral					
2884 Adeline Drive	Lower Cleanout					
2886 Adeline Drive	Upper Lateral					
2909 Adeline Drive	Lower Lateral					
2925 Adeline Drive	Upper Cleanout					
2920 Canyon Road	Upper Cleanout					
3004 Canyon Road	Lower Lateral					
3028 Canyon Road	Upper Cleanout					
3110 Canyon Road	Upper Cleanout					
10 Crystal Terrace	Upper Lateral					
135 Glen Aulin Lane	Upper Lateral					
2810 Hillside Drive	Upper Lateral					
2832 Hillside Drive	Lower Cleanout					
2861 Hillside Drive	Lower Lateral					
3135 Hillside Drive	Upper Lateral					
3151 Hillside Drive	Upper Lateral					
100 La Mesa Drive	Upper Cleanout					
125 La Mesa Drive ¹	Area Drain and Downspout					
162 Los Robles Drive	Downspout					
142 Valdeflores Drive	Lower Lateral					
181 Valdeflores Drive	Upper Cleanout					
Unknown	Drains into Manhole 67					

¹Multiple connection points

References

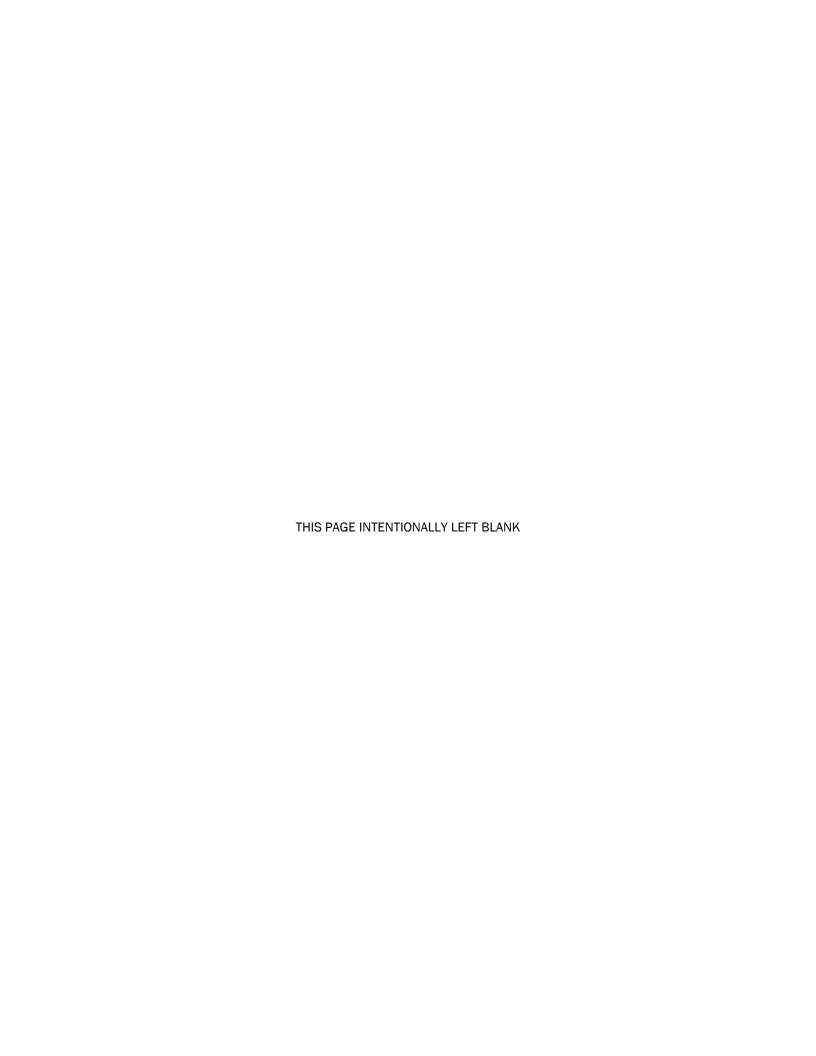
Brown and Caldwell, Wastewater Collection System Master Plan, City of Burlingame, California, October 2010.

Brown and Caldwell, Sewer Master Plan, Burlingame Hills Sewer Maintenance District, County of San Mateo, California, December 1999.

County of San Mateo, Geographical Information System (GIS), Parcels, 2009.



Attachment A: Unit Cost Development



Unit Cost Development

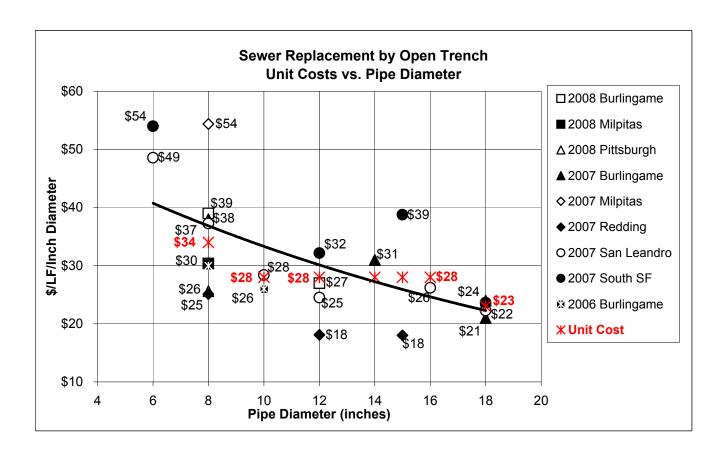
Date: October 23, 2009

Project: City of Burlingame Collection System Master Plan

Project No.: 136414
Project Engineer: Lani Good

Planning level unit costs for both sanitary sewer installation and rehabilitation were developed using the following methodology:

- 1. Construction bids were tabulated for recent comparable projects in and around the Bay Area.
- 2. Only construction projects having a minimum of three responsive bids were included.
- 3. The comparable projects were equalized by excluding the following project-specific line items, if any:
 - a. jack and bore highway or railroad crossings,
 - b. junction structures,
 - c. cast-in-place pipe linings,
 - d. installation of owner-provided materials, and
 - e. small quantity pipe installation, relocation, or abandonment.
- 4. The average bid for each line item was calculated for each project.
- 5. Lump sum line items such as contractor mobilization, traffic control, and sheeting and shoring were then redistributed in a weighted fashion to each linear pipe line item.
- 6. The unit cost for each construction method was calculated as a cost per linear foot per inch diameter of pipe.
- 7. The unit costs were plotted for each construction method by project on the following charts. The "Unit Costs" used in this master plan were then developed from the trends identified.



Unit Cost Development

