



Ann M. Stillman
Director

County Government Center
555 County Center, 5th Floor
Redwood City, CA 94063
650-363-4100 T
650-361-8220 F
www.smcgov.org

May 2, 2025

COUNTY OF SAN MATEO

PESCADERO HIGH SCHOOL CSA 11 WATER LINE EXTENSION PROJECT

**TOTAL PROJECT APPROXIMATELY 1.27 MILES IN LENGTH
WITH APPURTENANT WORK THERETO
IN COUNTY OF SAN MATEO**

**COUNTY PROJECT NO. PC027
PROJECT FILE NO. 5104**

ADDENDUM NO. 1

TO ALL PLAN HOLDERS:

The following **Addendum No. 1** to the above referenced project, dated March 7, 2025, shall be included in the project plans and specifications.

1. The Engineer's Estimate, pages 4-5 of the NC (Notice to Contractors) Section shall be replaced in the Project Specifications:

Replace Engineer's Estimate pages 4-5 of the NC Section with pages 4-5 (Rev).

2. Technical Specification Section 01 50 00 Construction Facilities and Temporary Controls has been revised to include Section 1.11. F related to protection of existing utility poles.

Replace page 01 50 00-6 with 01 50 00-6 (Rev) and 01 50 00-6A (Rev) of the Technical Specifications.

3. Page 3 of the PR (Proposal) Section, Bid Proposal, shall be replaced in the Project Specifications:

Replace page 3 of the PR Section with page 3 (Rev).

4. Sheet(s) G-001, G-101, C-101 through C-119, C-501 through C-503 of the Plans shall be replaced in the Project Plans:



To: All Plan Holders
Pescadero High School CSA 11 Water Line Extension Project
Addendum No. 1
May 2, 2025

Page 2

- a. The bypass on the 6" Water Meter Vault has been revised to include an additional gate valve and blowoff.
- b. Air Release valves shall be installed above ground per the revised detail.
- c. Inline blow-offs shall be installed at low points along the pipe alignment per the new detail added and as indicated on the Plan and Profile sheets of the plan set.

Replace Plan Sheets G-001, G-101, C-101 through C-119, C-501 through C-503 revised 4/28/2025.

5. Clarification- Trench restoration shall be per Detail 6/C-501, County Standard Detail W-10, throughout the project.

Please sign and return the attached "Receipt of Addendum No. 1" form. The "Receipt of Addendum No. 1" form MUST be received in this office no later than 2:00 PM, Wednesday, May 7, 2025 or the bid will NOT be considered. The Receipt of Addendum can be emailed to Tiffany Deng's attention email at qdeng@smcgov.org, with carbon copy to jlee1@smcgov.org.

All plan holders should check the project webpage for the latest updates on Request for Information and Addendum(s). The project webpage address is:
<https://www.smcgov.org/publicworks/pescadero-high-school-csa-11-water-line-extension-project-0>

If you have any questions or require additional information, please contact Janelle Lee or Tiffany Deng of our office at (650) 363-4100. They can also be reached by e-mail at:

jlee1@smcgov.org
qdeng@smcgov.org

Very truly yours,



Ann M. Stillman
Director of Public Works

AMS:KL:TD:JL

G:\Users\utility\water_CSA-11\Pescadero High School New Waterline\AR 5912 Pescadero HS - Prop 1 Project\Bid Process\3_Addendums\Addendum #1\Addendum No. 1.docx

To: All Plan Holders

Pescadero High School CSA 11 Water Line Extension Project

Addendum No. 1

May 2, 2025

Page 3

Encl.- "Receipt of Addendum No. 1" Form

Revised Pages 4 and 5 of the NC Section

Revised Pages 01 50 00-6 and 01 50 00-6A of the Technical Specifications

Revised Page 3 of the PR Section

Revised Plan Sheets G-001, G-101, C101-C119, C501-C503 revised 4/28/2025

cc: Krzysztof Lisaj, Deputy Director, Engineering and Resource Protection
Neli Avramova, Principal Civil Engineer, Utilities and Watershed Protection
Tiffany Deng, Senior Civil Engineer, Utilities and Watershed Protection
Janelle Lee, Associate Civil Engineer, Utilities and Watershed Protection



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IN COUNTY OF SAN MATEO**

**COUNTY PROJECT NO. PC027
PROJECT FILE NO. 5104**

RECEIPT OF ADDENDUM NO. 1

I, _____, an
authorized representative for _____,
have received **Addendum No. 1** for the Pescadero High School CSA 11 Water Line
Extension Project from an authorized representative of the County of San Mateo, which is
to be included in the Plans and Specifications for the above referenced project.

This form must be signed and received in the office of the County of San Mateo,
Department of Public Works ***no later than 2:00 PM, Wednesday, May 7, 2025.***

“Contractor”

(Print)

(Signature)

(Date)



ENGINEER'S ESTIMATE**PESCADERO HIGH SCHOOL CSA 11 WATER LINE EXTENSION
PROJECT**

**TOTAL PROJECT APPROXIMATELY 1.27 MILES IN LENGTH
WITH APPURTENANT WORK THERETO
IN SAN MATEO COUNTY**

Item No.	Section No.	Estimated Quantity	Unit of Measure	Item Description
1	11	1	LS	Mobilization & Demobilization
2	12	1	LS	Maintaining Traffic
3	13 & 21	1	LS	Water Pollution Control
4	17	1	LS	Develop and Apply Water
5	14	1	LS	Shoring and Trench Safety
6	02 01 10	9	EA	Utility Field Locating (Potholing)
7	33 11 00	1	LS	Connect to (E) 6-inch PVC Water Main Pescadero Creek Road
8	33 11 00	6,733 6,810	LF	6-inch PVC Water Main
9	33 11 00	7 11	EA	6-inch Gate Valve
10	33 11 00	2	EA	1" Air Release Valve
11	33 11 00	4 8	EA	Blowoff Assembly
12	33 11 00	1	EA	Remove 4-inch Gate Valve & Box
13	33 11 00	1	LS	6-inch Water Meter Vault with Bypass
14	33 11 00	1	EA	6-inch Meter
15	33 11 00	7	EA	Fire Hydrant, Valve and Lateral Assembly
16	33 11 00	30	LF	6-inch DIP
17	03 48 10	1	EA	Service Meter Vault (School)
18	03 48 10	2	EA	Service Meter Vault (Fire Station)
19	33 11 00	2	EA	4-inch Meter (Fire Station)
20	33 11 00	30	LF	4-inch PVC Water Service Piping (Fire Station)

(Engineer's Estimate – Continued on Next Page)

(Engineer's Estimate – Continued from Previous Page)

21	33 11 00	1	EA	4-inch Meter
22	33 11 00	195	LF	4-inch PVC Water Service Piping (School)
23	33 11 00 & 03 30 00	1	EA	Backflow Prevention Device and Pad
24	33 11 00	1	EA	Connect to Ex. 4-Inch Cast Iron Water Piping on School Property
25	33 11 00	1	LS	Cut & Cap Existing 4-inch School Piping
26	32 12 16	330	TON	Permanent Trench Restoration (Asphalt Concrete Pavement Surface Restoration (3" HMA)
27	84 & 85	1	LS	Pavement Marking and Striping
28	32 12 17	138,000	SF	Slurry Seal
29	31 05 16	160	CY	CL 2 Aggregate Base Finished Surface
30	100	1	EA	Reset Survey Monument
31	21-4	1	LS	Landscape & Site Restoration

Engineer's Estimate of Costs: \$ ~~2,907,000~~
2,950,000

(F) Final Pay Quantities - See Section 9-1.02C, "Final Pay Item Quantities," of the Standard Specifications.

(Note: Gaps in section numbering, above, indicate the Section is blank or does not apply.)

County of San Mateo

Pescadero High School CSA 11 Water Line Extension

- F. A "Letter of Responsibility," on company letterhead, indicating the names and telephone numbers of at least three different persons who shall be available to be contacted in case of emergency at any time during the life of the contract. Said persons must have decision-making authority within the company.

1.11 PROTECTION OF WORK AND PROPERTY

- A. Reference General Conditions and this Section.
- B. Comply with all OSHA and other applicable safety rules.
- C. Keep County informed of all accidents or near accidents on the site and related claims.
- D. Use of Explosives: No blasting or use of explosives will be allowed on the site.
- E. During the performance of the Work, Contractor is responsible for adapting its means, methods, techniques, sequences, and procedures of construction to allow the County to maintain operation at the existing level of facility production and consistent with applicable permit requirements, and Laws and Regulations. In performing such Work and in cooperating with the County to maintain operations, it may be necessary for Contractor to plan, design, and provide various temporary services, utilities, connections, temporary piping and heating, access, and similar items that will be included within the Contract Price.

F. The Contractor shall protect power poles, overhead lines and associated infrastructure from damage. Coordinate with utility owners as needed. Report any damage to the Owner and the utility company. Costs resulting from damage caused by Contractor's operations including but not limited to cost associated with repairs and service interruption shall be Contractor's responsibility.

PART 2 PRODUCTS (NOT USED)

PART 3 EXECUTION

3.1 TEMPORARY UTILITIES

- A. Power:
 - 1. Electrical appurtenances required for providing temporary electric power services for the Contractor shall be provided by the Contractor and approved by Pacific Gas and Electric Company.
 - 2. Cost of electric power used in performance and acceptance testing will be borne by Contractor.
 - 3. The Contractor shall provide its own diesel or gasoline engine driven air compressor system and power generator when required for its pneumatic tools or equipment, if any.
- B. Lighting: Provide temporary lighting at least to meet all applicable safety requirements to allow erection, application or installation of materials and equipment, and observation or inspection of the Work. Cost of temporary lighting required for performing the Work will be borne by the Contractor.
- C. Heating, Cooling, and Ventilating:
 - 1. Provide as required to maintain adequate environmental conditions to facilitate progress of the Work, to meet specified minimum conditions for the installation of materials, and to protect materials, equipment, and finishes from damage due to temperature or humidity.
 - 2. Provide adequate forced air ventilation of enclosed areas to cure installed materials, to

County of San Mateo

Pescadero High School CSA 11 Water Line Extension

dispense humidity, and to prevent hazardous accumulations of dust, fumes, vapors, or gases.

3. Pay all costs of installation, maintenance, operation, removal, and fuel consumed.
4. Provide portable unit heaters, complete with controls, oil or gas-fired, and suitably vented to outside as required for protection of health and property.

**PROPOSAL TO THE COUNTY OF SAN MATEO
PESCADERO HIGH SCHOOL CSA 11 WATER LINE EXTENSION
PROJECT**

**TOTAL PROJECT APPROXIMATELY 1.27 MILES IN LENGTH
WITH APPURTENANT WORK THERETO
IN SAN MATEO COUNTY**

**COUNTY PROJECT NO. PC027
PROJECT FILE NO. 5104**

Item No.	Section No.	Estimated Quantity	Unit of Measure	Item Description	Item Price (In Figures)	Total (In Figures)
1	11	1	LS	Mobilization & Demobilization	\$	\$
2	12	1	LS	Maintaining Traffic	\$	\$
3	13 & 21	1	LS	Water Pollution Control	\$	\$
4	17	1	LS	Develop and Apply Water	\$	\$
5	14	1	LS	Shoring and Trench Safety	\$	\$
6	02 01 10	9	EA	Utility Field Locating (Potholing)	\$	\$
7	33 11 00	1	LS	Connect to (E) 6-inch PVC Water Main Pescadero Creek Road	\$	\$
8	33 11 00	67336,810	LF	6-inch PVC Water Main	\$	\$
9	33 11 00	711	EA	6-inch Gate Valve	\$	\$
10	33 11 00	2	EA	1" Air Release Valve	\$	\$
11	33 11 00	48	EA	Blowoff Assembly	\$	\$
12	33 11 00	1	EA	Remove 4-inch Gate Valve & Box	\$	\$
13	33 11 00	1	LS	6-inch Water Meter Vault with Bypass	\$	\$
14	33 11 00	1	EA	6-inch Meter	\$	\$

Bid Proposal – Continued on Next Page

COUNTY OF SAN MATEO CALIFORNIA

PESCADERO HIGH SCHOOL CSA 11 WATER LINE EXTENSION

TOTAL PROJECT LENGTH APPROXIMATELY 1.27 MILES

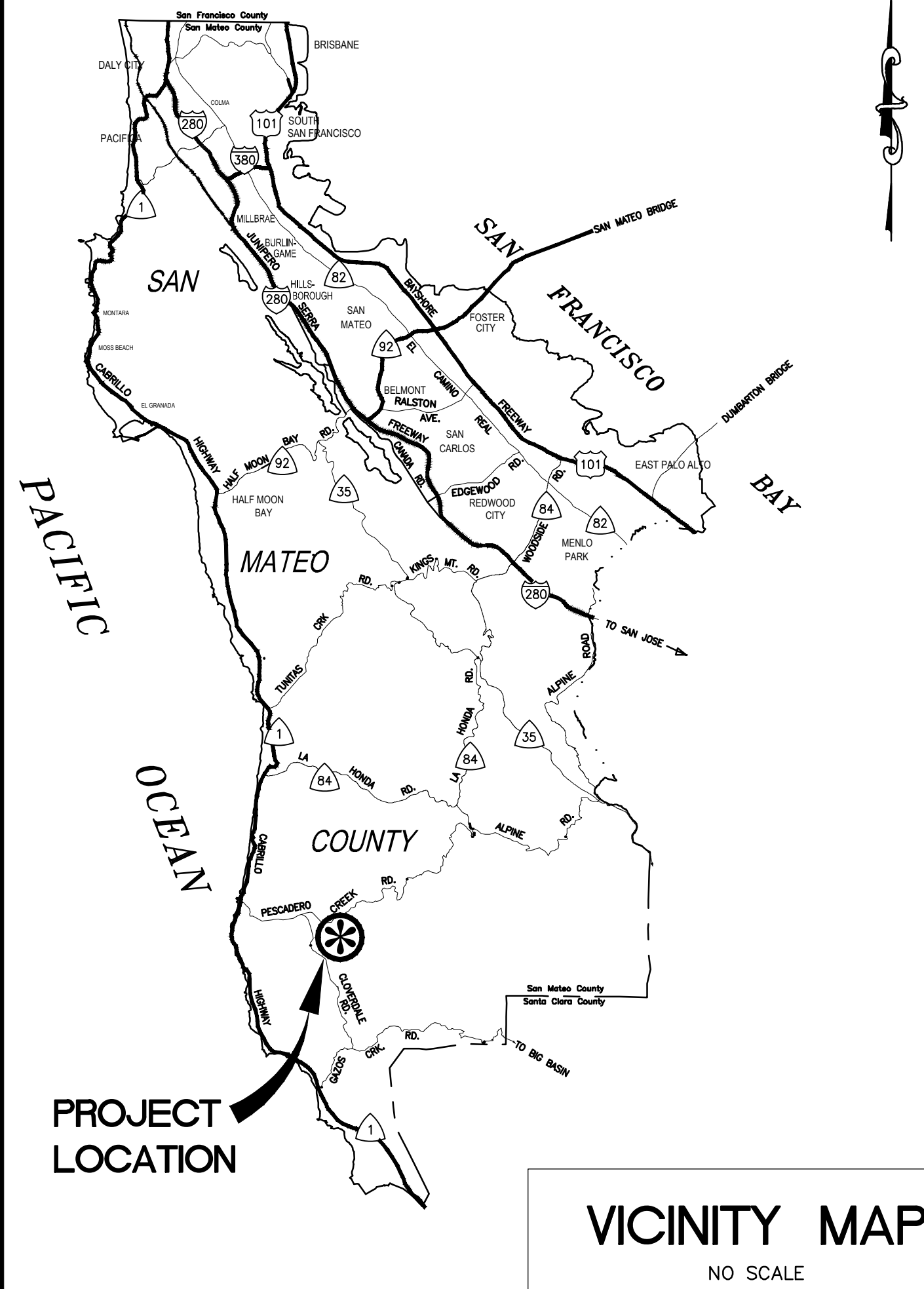
TO BE SUPPLEMENTED BY STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD PLANS
DATED MAY 2018 AND ADOPTED BY SAN MATEO COUNTY, FEBRUARY 11, 2020, BY RESOLUTION NO. 077277



APPROVED:

DATE: March 7, 2025

ANN MADER STILLMAN,
DIRECTOR OF PUBLIC WORKS
R. C. E. # 47882



ABBREVIATIONS:

AB (CL.2)	AGGREGATE BASE (CLASS 2)
ABN	ABANDON
AC	ASPHALT CONCRETE
ACP	ASBESTOS CONCRETE PIPE
AEC	AIR OUT-NO AIR IN EXTERNAL CHECK
AGG	AGGREGATE
ARV	AIR RELEASE VALVE
AV	AVENUE
BC	BACK OF CURB
BW	BACK OF WALK
CATV	CABLE TV
COMP	COMPRESSION
CONC	CONCRETE
C & G	CURB AND GUTTER
CL	CENTERLINE
CLR	CLEARANCE
DBL	DOUBLE
DI	DRAINAGE INLET, DROP INLET
DIP	DUCTILE IRON PIPE
D/W	DRIVEWAY
EL	ELEVATION
ELE	EDGE OF PAVEMENT
EP	EXISTING
EX, EXIST	EXISTING
FD	FOUND
FG	FINISHED GROUND
FH	FIRE HYDRANT
FL	FLANGE
FNPT	FEMALE NATIONAL PIPE TAPER
G	GAS LINE
GB	GRADE BREAK
GV	GAS VALVE
HYD	HYDRANT
IAPMO	INTERNATIONAL ASSOCIATION OF PLUMBING AND MECHANICAL OFFICIALS
ID	INSIDE DIAMETER
INV	INVERT
JP	JOINT UTILITY POLE
LQ, LIP	LIP OF GUTTER
LT, L	LEFT
MAX	MAXIMUM
MB	MAILBOX
MB (#)	MAILBOXES (QUANTITY)
MIN	MINIMUM
MJ	MECHANICAL JOINT
MPH	MILES PER HOUR
MRC	MUSHROOM CAP
N/S	NAIL & SHINER
O.G.	ORIGINAL GROUND, ON GRADE
PBMH	PBC/PAC BELL MANHOLE
PCC	PORTLAND CONCRETE CEMENT
PE	POLYETHYLENE
PK	PARKER-KALON NAIL
PNT	POINT
PR	PROPOSED
PVC	POLYVINYL CHLORIDE PIPE
PVI	POINT OF VERTICAL INFLECTION
RCP	REINFORCED CONCRETE PIPE
RT, R	RIGHT
R/W, ROW	RIGHT OF WAY
S	SLOPE
SD	STORM DRAIN
SDMH	STORM DRAIN MANHOLE
SDR	STANDARD DIMENSION RATIO
SHT	SHEET
SS	SANITARY SEWER
SSCO	SANITARY SEWER CLEANOUT
SSMH	SANITARY SEWER MANHOLE
ST	STREET
STA	STATION
T	TELEPHONE
TB	TOP OF BANK
TC	TOP OF CURB
TD	TOP OF DIKE
TG	TOP OF GRATE
TS	TOP OF SIDEWALK
TYP	TYPICAL
UD	UNDER DRAIN
UES	UNIFORM EVALUATION SERVICES
UND	UNDERGROUND
UNK	UNKNOWN
VCP	VITRIFIED CLAY PIPE
VG	VALLEY GUTTER
WM	WATER METER
WM (#)	WATER METERS (QUANTITY)
WV	WATER VALVE
WV (#)	WATER VALVES (QUANTITY)
WW	WALKWAY
Ø	DIAMETER

LEGEND:

	STORM DRAIN LINE (EX)
	STORM DRAIN LINE (EX) PROFILE
	SANITARY SEWER LINE "ACTIVE"
	SANITARY SEWER LINE "ACTIVE" PROFILE
	WATER LINE "ACTIVE"
	WATER LINE "ACTIVE" PROFILE
	ACP WATER LINE (Abn)
	ACP WATER LINE (Abn) PROFILE
	GAS LINE (Abn)
	GAS LINE (Abn) PROFILE
	GAS LINE "ACTIVE"
	GAS LINE "ACTIVE" PROFILE
	JOINT COMMUNICATION LINE (EX)
	JOINT COMMUNICATION LINE (EX) PROFILE
	ONE JOINT COMMUNICATION LINE (EX)
	RIGHT OF WAY
	CONTRACTOR STAGING AREA
	PROPOSED PIPE
	NATIVE BACKFILL
	CLASS 2 AGGREGATE BASE - AB (CL. 2) (GRAVEL)
	CLASS 3 CONCRETE
	MISCELLANEOUS ASPHALT CONCRETE
	DEEP LIFT AREAS (0.50' DEEP ASPHALT CONCRETE)
	ROCK SWALE AND FRENCH DRAIN
	SLURRY SEAL PER COUNTY STANDARD DETAIL W-10
	AC PAVEMENT TRENCH RESTORATION

LEGEND:

	FIRE HYDRANT
	FIRE HYDRANT MARKERS
	MAILBOX
	SIGN
	BENCHMARK
	SURVEY CONTROL POINT
	DRIVEWAY NUMBER
	HOUSE NUMBER ADDRESS
	DETAIL NUMBER AND SHEET
	EXISTING TREE
	FENCE / WALL
	NAIL AND WASHER
	(XXX.XX) = EXISTING ELEVATION
	XXX.XX = PROPOSED ELEVATION
	+0.00 00.00 = STATION
	(00.00) 00.00 = (EXIST ELE) PR ELE AT LIP OF GUTTER
	WATER METER
	WATER VALVE
	(N) BLOWOFF VALVE
	GAS VALVE
	JOINT UTILITY POLE
	TELEPHONE POLE
	GUY WIRE ANCHOR
	SANITARY SEWER MANHOLE
	SANITARY SEWER CLEANOUT
	SANITARY SEWER FLUSHING INLET
	STORM DRAIN MANHOLE
	UNDERDRAIN
	BUBBLE-UP BOX
	UNKNOWN MANHOLE

NOTES:

- CONTRACTOR SHALL CONFINE HIS OPERATIONS AND ACTIVITIES WITHIN THE PROJECT LIMITS, CONSISTING OF ROAD RIGHT-OF-WAY, RIGHTS OF ENTRY AND/OR PROJECT CONFORMS, AS SHOWN ON THE PLANS AND AS DIRECTED BY THE ENGINEER.
- CONTINUOUS DUST CONTROL SHALL BE PROVIDED AS REQUIRED.
- LOCATIONS AND DEPTHS OF EXISTING UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE ONLY. CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE UTILITIES TO DETERMINE EXACT LOCATIONS AND DEPTHS. CONTRACTOR SHALL CALL USA NORTH 811 (USA) UNDERGROUND SERVICE ALERT A MINIMUM OF SEVENTY-TWO (72) HOURS IN ADVANCE OF ANY EXCAVATION OR TRENCHING WORK. USA MAY BE CONTACTED EITHER ON-LINE AT USANORTH811.ORG OR BY PHONE BY DIALING (800) 227-2600 OR 811. WHEN CALLING, BE PREPARED TO GIVE LOCATION AND NATURE OF WORK, START DATE, COMPANY NAME, ADDRESS AND TELEPHONE NUMBER.
- PLANS MAY NOT SHOW ALL EXISTING UTILITIES SUCH AS WATER, GAS OR SANITARY SEWER. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION AND PRESERVATION OF ALL SUCH FACILITIES WHICH ARE NOT TO BE RELOCATED.
- CONTRACTOR IS ADVISED THAT EXCAVATION MAY CONFLICT WITH UNDERGROUND UTILITIES. ANY DAMAGE TO EXISTING FACILITIES CAUSED BY THE CONTRACTOR SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
- DRIVEWAY OPENINGS AND CONFORM LOCATIONS SHOWN ARE APPROXIMATE ONLY. EXACT LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER. SURFACED SHOULDER CONFORM LIMITS ARE AS INDICATED AT 3 FEET FROM OUTSIDE EDGE OF THE GUTTER, UNLESS DIRECTED OTHERWISE BY THE ENGINEER OR OTHERWISE NOTED ON THE PLANS.
- NO TREES, VEGETATION OR IMPROVEMENTS (INCLUDING FENCES) SHALL BE REMOVED WITHOUT THE PRIOR WRITTEN CONSENT AND APPROVAL OF THE ENGINEER. VEGETATION AND IMPROVEMENTS WHICH ARE DESIGNATED TO BE REMOVED SHALL BECOME THE PROPERTY OF THE CONTRACTOR, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- THE CONTRACTOR'S ATTENTION IS DIRECTED TO SECTION 100 OF THE COUNTY SPECIAL PROVISIONS FOR THE SURVEY AND ASSOCIATED STAKING.
- WHEN DIRECTED BY THE ENGINEER, CUT AND FILL SLOPE RATIOS SHALL BE VARIED TO AVOID TREES OR OTHER EXISTING IMPROVEMENTS.
- CONTRACTOR SHALL EXERCISE CARE WHEN EXCAVATING NEAR TREES AND ROOTS OF TREES TO REMAIN.
- ANY DAMAGE, AS A RESULT OF THE CONTRACTOR'S OPERATION, TO PAVEMENT AND BASE MATERIAL THAT IS TO REMAIN SHALL BE REPAIRED, OR REMOVED AND REPLACED WITH SAME TYPE OF MATERIAL OR APPROVED EQUAL, AS DIRECTED BY THE ENGINEER, AND AT THE SOLE EXPENSE OF THE CONTRACTOR. THE ENGINEER SHALL BE THE SOLE JUDGE OF THE ADEQUACY OF THE COMPLETED REMEDIAL WORK.

FIELD BOOK:

BENCHMARKS:

NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88), BASED ON GPS OBSERVATIONS USING THE CSDS VSN NETWORK

BASIS OF BEARINGS:

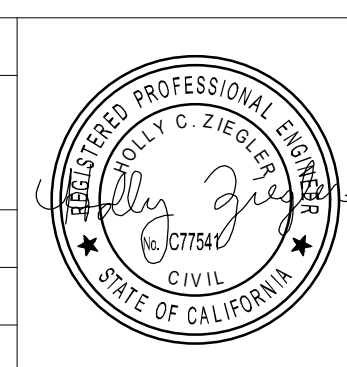
NORTH AMERICAN DATUM OF 1983, CALIFORNIA COORDINATE SYSTEM, ZONE III (NAVD83)

SHEET INDEX:

- G-001 TITLE SHEET, VICINITY MAP AND LOCATION MAP
- G-002 GENERAL NOTES
- G-003 CONSTRUCTION BEST MANAGEMENT PRACTICES
- G-101 KEY MAP AND SURVEY CONTROL DIAGRAM
- C-101 PESCADERO CREEK RD-PLAN AND PROFILE STA 10+00 TO 15+00
- C-102 PESCADERO CREEK RD-PLAN AND PROFILE STA 15+00 TO 20+00
- C-103 PESCADERO CREEK RD-PLAN AND PROFILE STA 20+00 TO 25+00
- C-104 PESCADERO CREEK RD-PLAN AND PROFILE STA 25+00 TO 30+00
- C-105 PESCADERO CREEK RD-PLAN AND PROFILE STA 30+00 TO 35+00
- C-106 CLOVERDALE RD-PLAN AND PROFILE STA 35+00 TO 40+00
- C-107 CLOVERDALE RD-PLAN AND PROFILE STA 40+00 TO 45+00
- C-108 CLOVERDALE RD-PLAN AND PROFILE STA 45+00 TO 50+00
- C-109 CLOVERDALE RD-PLAN AND PROFILE STA 50+00 TO 55+00
- C-110 CLOVERDALE RD-PLAN AND PROFILE STA 55+00 TO 60+00
- C-111 CLOVERDALE RD-PLAN AND PROFILE STA 60+00 TO 65+00
- C-112 BUTANO CUTOFF RD-PLAN AND PROFILE STA 65+00 TO 70+00
- C-113 BUTANO CUTOFF RD-PLAN AND PROFILE STA 70+00 TO 75+00
- C-114 BUTANO CUTOFF RD-PLAN AND PROFILE STA 75+00 TO 80+00
- C-115 PESCADERO HS-PLAN AND PROFILE STA 80+00 TO 81+90
- C-116 PESCADERO HIGH SCHOOL-UTILITY PLAN INDEX
- C-117 PESCADERO HIGH SCHOOL-UTILITY PLAN 1
- C-118 PESCADERO HIGH SCHOOL-UTILITY PLAN 2
- C-119 PESCADERO HIGH SCHOOL-UTILITY PLAN 3
- C-501 CIVIL DETAILS (1 OF 3)
- C-502 CIVIL DETAILS (2 OF 3)
- C-503 CIVIL DETAILS (3 OF 3)

FINAL

APPROVED DATE:	
HOLLY ZIEGLER	
GHD, Inc.	
R.C.E. # 77541 / EXPIRES 06-30-2025	



DESIGNED BY: RR	COUNTY OF SAN MATEO	SCALE: AS SHOWN
CHECKED BY: HC	CSA 11 WATER LINE EXTENSION	DATE: 4/28/2025
DRAWN BY: RR	TITLE SHEET, VICINITY MAP AND LOCATION MAP	FILE NO.: 1/5104
ADD. 1	04/28/2025	ANN MADER STILLMAN, DIRECTOR OF PUBLIC WORKS COUNTY SAN MATEO
REVISION	DATE	555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063

FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES **G-001**
SHEET 1 OF 26

FILENAME: N:\S\VEUREKA\PROJECTS\161\12639894\DIGITAL_DESIGN\ACAD 2020\SHEETS\12639894-GHD-0000-DWG-G-001.DWG (G-001)



APPROVED:
 DATE: March 7, 2025
 ANN MADER STILLMAN,
 DIRECTOR OF PUBLIC WORKS
 R. C. E. # 47882

BENCHMARKS:
 NORTH AMERICAN DATUM OF 1988 (NAVD88), BASED ON GPS
 OBSERVATIONS USING THE CSDS VSN NETWORK
BASIS OF BEARINGS:
 NORTH AMERICAN DATUM OF 1983, CALIFORNIA COORDINATE SYSTEM,
 ZONE III (NAD83)



Line Table: CSA-11

Line #	Length	Bearing	Start Station	End Station
L1	186.27	N82°15'14"E	STA. 10+00.00	STA. 11+86.27
L2	471.60	N81°45'11"E	STA. 11+86.27	STA. 16+57.86
L3	66.02	S64°52'55"E	STA. 16+57.86	STA. 17+23.89
L4	504.33	N63°43'24"E	STA. 19+38.52	STA. 24+42.85
L5	19.21	N18°59'11"E	STA. 24+42.85	STA. 24+62.06
L6	311.55	N70°39'33"E	STA. 28+89.02	STA. 32+00.57
L7	19.96	S63°41'16"E	STA. 32+00.57	STA. 32+20.53
L8	17.78	N70°12'00"E	STA. 35+18.49	STA. 35+36.27
L9	601.18	S30°40'22"E	STA. 43+58.29	STA. 49+59.47
L10	586.54	S30°41'57"E	STA. 49+59.47	STA. 55+46.01
L11	94.44	S11°50'23"E	STA. 61+08.85	STA. 62+03.29
L12	7.02	S56°54'48"E	STA. 65+89.71	STA. 65+96.73
L13	29.33	N77°41'21"E	STA. 65+96.73	STA. 66+26.06
L14	31.62	N89°02'15"E	STA. 66+26.06	STA. 66+57.68
L15	1059.96	S88°46'09"E	STA. 66+57.68	STA. 77+17.64

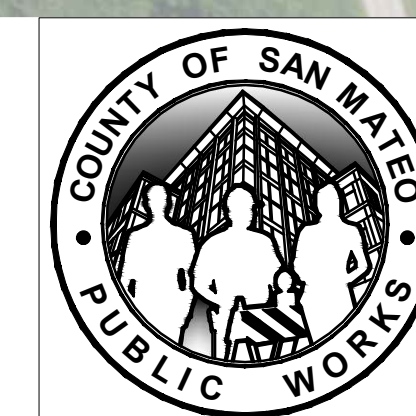
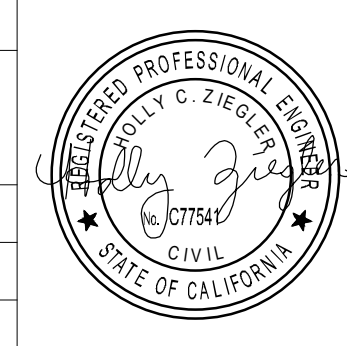
Curve Table: CSA-11

Curve #	Radius	Length	Chord Bearing	Start Station	End Station
C1	2915.88	214.63	N68°01'28"E	STA. 17+23.89	STA. 19+38.52
C2	3273.77	426.95	N66°43'41"E	STA. 24+62.06	STA. 28+89.02
C3	1261.31	137.24	N77°34'34"E	STA. 32+20.53	STA. 33+57.77
C4	250.20	80.53	N87°29'35"E	STA. 33+57.77	STA. 34+38.30
C5	249.33	80.19	S74°05'19"E	STA. 34+38.30	STA. 35+18.49
C6	2127.06	255.45	S59°19'15"E	STA. 35+36.27	STA. 37+91.72
C7	1284.47	566.57	S43°28'43"E	STA. 37+91.72	STA. 43+58.29
C8	1592.09	562.84	S21°54'15"E	STA. 55+46.01	STA. 61+08.85
C9	99426.97	334.37	S11°13'03"E	STA. 62+03.29	STA. 65+37.67
C10	5000.92	52.04	S11°11'19"E	STA. 65+37.67	STA. 65+89.71

SURVEY CONTROL POINT TABLE

No.	NORTHING	EASTING	ELEV
101	1920951.62	6014339.14	33.28
102	1919190.07	6013717.80	30.87
103	1919860.23	6015055.23	39.68
104	1920399.42	6016328.58	48.08
105	1918909.50	6017640.11	48.02
106	1918777.65	6019874.11	64.55
107	1917195.97	6018128.18	53.90
901	1920409.89	6016387.31	48.84

APPROVED DATE:
 HOLLY ZIEGLER
 GHD, Inc.
 R.C.E. # 77541 / EXPIRES 06-30-2025

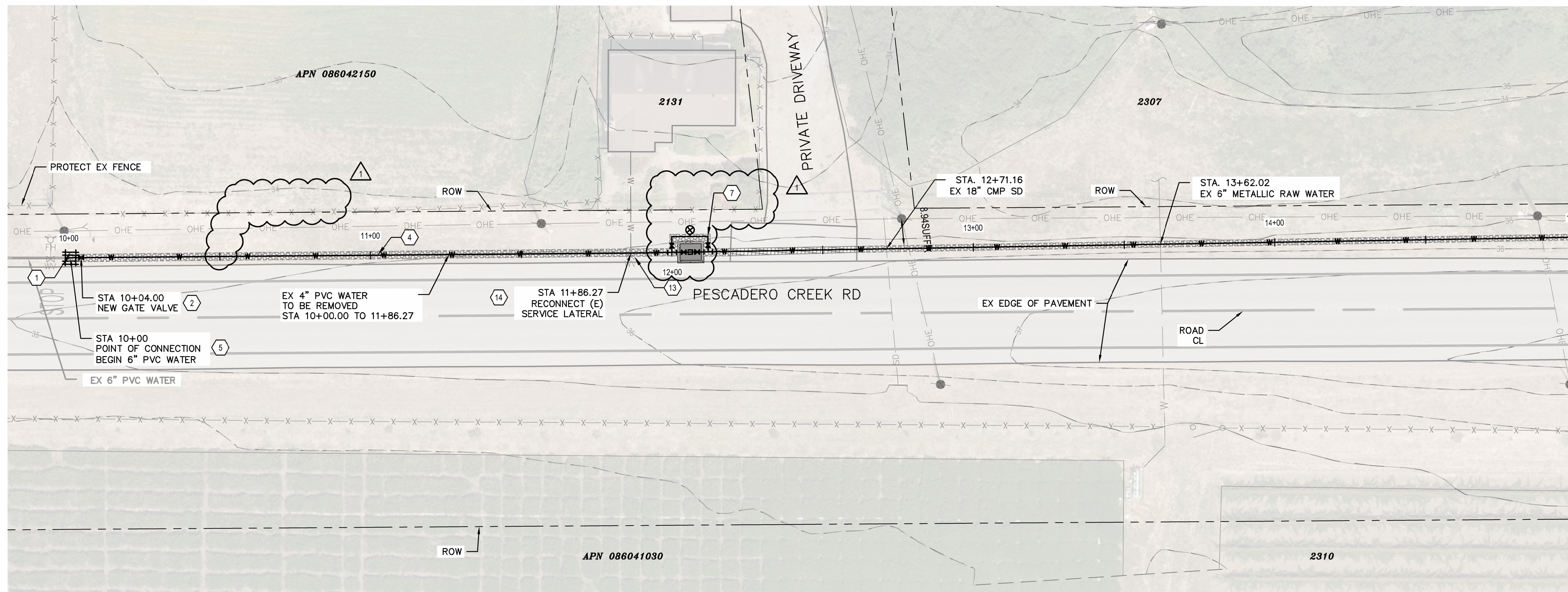


DESIGNED BY: RR
 CHECKED BY: HC
 DRAWN BY: RR
 ADD. 1 04/28/2025
 REVISION DATE
 COUNTY OF SAN MATEO
 CSA 11 WATER LINE EXTENSION
 ANN MADER STILLMAN,
 DIRECTOR OF PUBLIC WORKS
 COUNTY SAN MATEO
 555 COUNTY CENTER, 5th FLOOR
 REDWOOD CITY, CALIFORNIA 94063
 SCALE: AS SHOWN
 DATE: 4/28/2025
 FILE NO.: 1/5104
 FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES
 0 1 2 3 4
G-101
 SHEET 4 OF 26

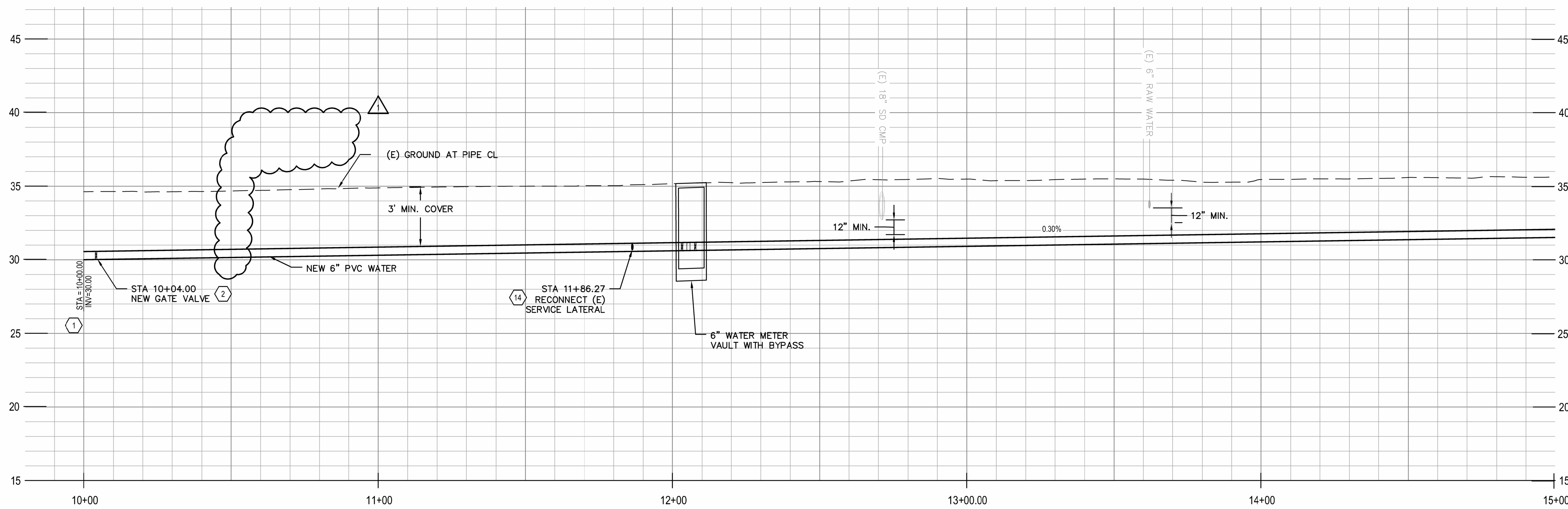
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APPROVED:
 DATE: March 7, 2025
 ANN MADER STILLMAN,
 DIRECTOR OF PUBLIC WORKS
 R. C. E. # 47882



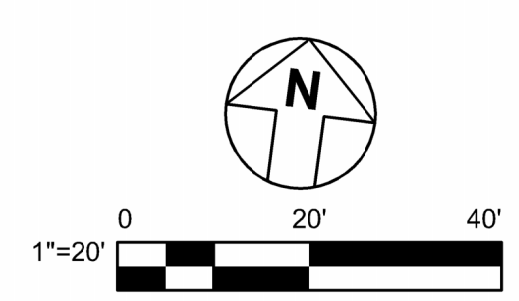
PLAN
 SCALE 1"=20'



PROFILE
 SCALE 1"=20' HZ, 1"=4' VT

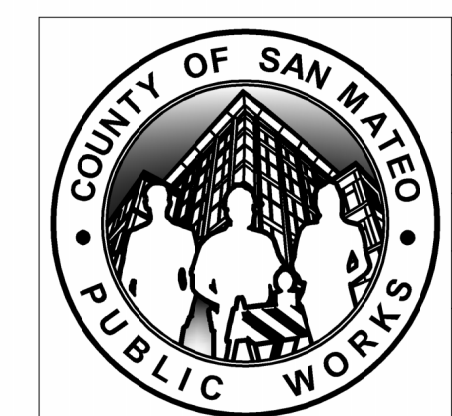
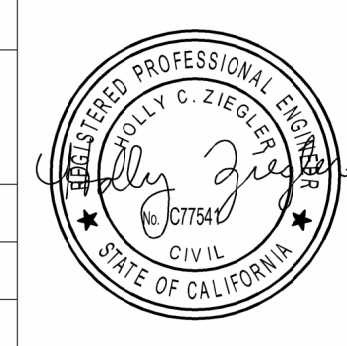
- SHEET KEYNOTES**
- CONNECT TO EX 6" WATER MAIN WITH RESTRAINED COUPLING. VERIFY LOCATION OF TERMINUS OF 6" MAIN.
 - (N) 6" GATE VALVE PER DETAIL 1/C-501.
 - (N) BLOW OFF PER DETAIL 4/C-501.
 - (N) 6" PVC WATER MAIN.
 - REMOVE (E) 4" PVC WATER MAIN.
 - (N) 90 DEGREE ELBOW PER DETAIL 7/C-501.
 - (N) WATER METER W/ BYPASS PER DETAIL 1/C-503.
 - UTILITY CROSSING PER DETAIL 1/C-502.
 - INSTALL VERTICAL FITTING WITH RESTRAINED JOINTS.
 - (N) 45 DEGREE ELBOW.
 - (N) 11.25 DEGREE ELBOW.
 - (N) AIR RELEASE VALVE PER DETAIL 2/C-502.
 - REMOVE (E) WATER VALVE.
 - RECONNECT (E) WATER SERVICE LATERAL. CONTRACTOR TO FIELD VERIFY LOCATION OF EXISTING METER BOX AND LENGTH OF NEW SERVICE LINE NEEDED.
 - (N) 6" DIP WATER MAIN.
 - (N) CULVERT CROSSING PER DETAIL 3/C-503.
 - (N) SERVICE METER VAULT PER DETAIL 4/C-502.
 - (N) 4" PVC WATER SERVICE.
 - CONNECT TO (E) 4" WATER AT SCHOOL VIA TAPPING SLEEVE PER DETAIL 2/C-501.
 - (N) 6" X 6" X 6" TEE.
 - (N) 6" X 6" X 4" TEE.
 - CUT AND CAP (E) WATER MAIN PER DETAIL 5/C-501.
 - (N) 6" FIRE HYDRANT, LATERAL AND VALVE ASSEMBLY PER DETAIL 3/C-501.
 - (N) BACKFLOW PREVENTION DEVICE PER DETAIL 4/C-503.
 - (N) 4" GATE VALVE PER DETAIL 1/C-501.

- RESTORATION LEGEND**
- 6" CLASS 2 AGGREGATE BASE - AB (CL. 2) (GRAVEL)
 - AC PAVEMENT TRENCH RESTORATION



CONTRACTOR'S NOTE:
 USE EXTREME CAUTION WHEN WORKING DUE TO LOW OVERHEAD UTILITY LINES.

APPROVED DATE:
 HOLLY ZIEGLER
 GHD, Inc.
 R.C.E. # 77541 / EXPIRES 06-30-2025

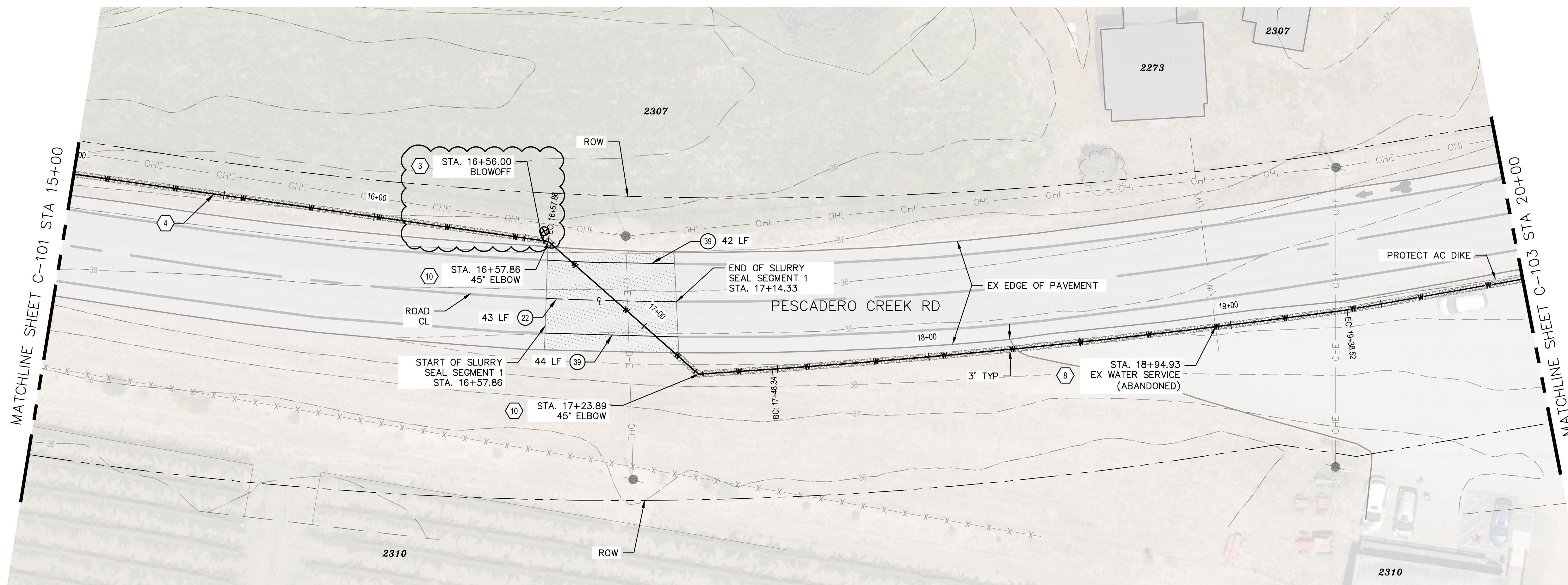


DESIGNED BY: RR		COUNTY OF SAN MATEO		SCALE: AS SHOWN
CHECKED BY: HC		CSA 11 WATER LINE EXTENSION		DATE: 4/29/2025
DRAWN BY: RR		PESCADERO CREEK RD - PLAN AND PROFILE STA 10+00 TO 15+00		FILE NO.: 1/5104
ADD. 1	04/28/2025	ANN MADER STILLMAN, DIRECTOR OF PUBLIC WORKS COUNTY SAN MATEO		555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063
REVISION	DATE			
FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES				
				C-101 SHEET 5 OF 26

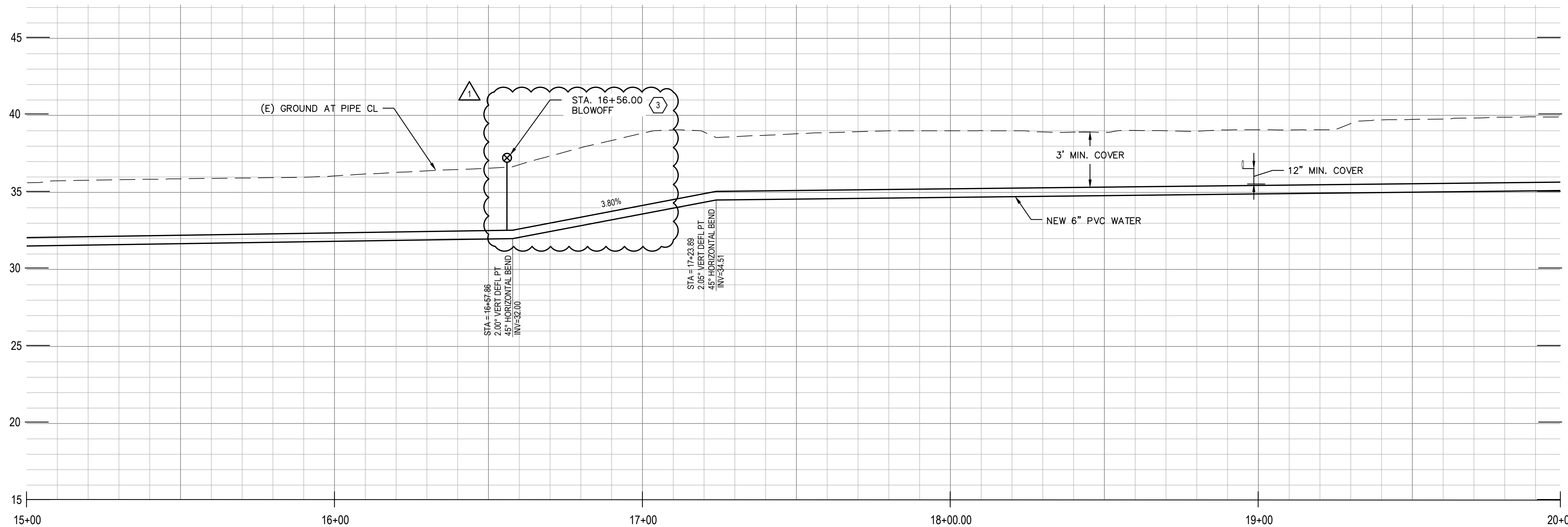
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APPROVED:
 DATE: March 7, 2025
 ANN MADER STILLMAN,
 DIRECTOR OF PUBLIC WORKS
 R. C. E. # 47882



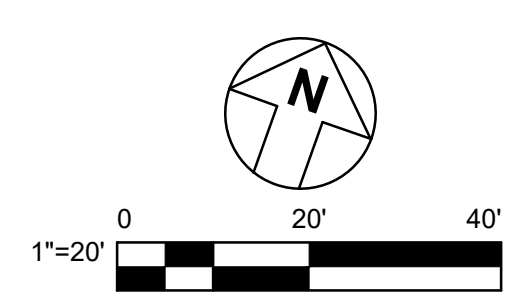
PLAN
 SCALE 1"=20'



PROFILE
 SCALE 1"=20' HZ, 1"=4' VT

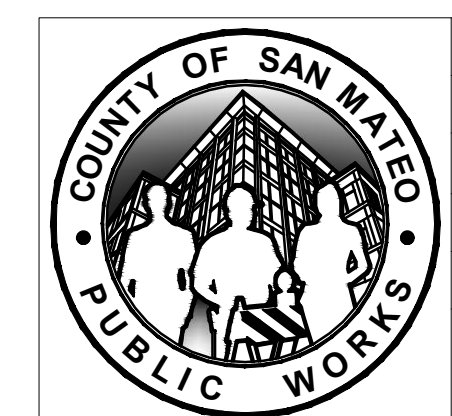
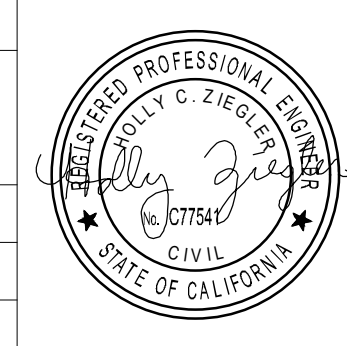
- SHEET KEYNOTES**
- CONNECT TO EX 6" WATER MAIN WITH RESTRAINED COUPLING. VERIFY LOCATION OF TERMINUS OF 6" MAIN.
 - (N) 6" GATE VALVE PER DETAIL 1/C-501.
 - (N) BLOW OFF PER DETAIL 4/C-501.
 - (N) 6" PVC WATER MAIN.
 - REMOVE (E) 4" PVC WATER MAIN.
 - (N) 90 DEGREE ELBOW PER DETAIL 7/C-501.
 - (N) WATER METER W/ BYPASS PER DETAIL 1/C-503.
 - UTILITY CROSSING PER DETAIL 1/C-502.
 - INSTALL VERTICAL FITTING WITH RESTRAINED JOINTS.
 - (N) 45 DEGREE ELBOW.
 - (N) 11.25 DEGREE ELBOW.
 - (N) AIR RELEASE VALVE PER DETAIL 2/C-502.
 - REMOVE (E) WATER VALVE.
 - RECONNECT (E) WATER SERVICE LATERAL. CONTRACTOR TO FIELD VERIFY LOCATION OF EXISTING METER BOX AND LENGTH OF NEW SERVICE LINE NEEDED.
 - (N) 6" DIP WATER MAIN.
 - (N) CULVERT CROSSING PER DETAIL 3/C-503.
 - (N) SERVICE METER VAULT PER DETAIL 4/C-502.
 - (N) 4" PVC WATER SERVICE.
 - CONNECT TO (E) 4" WATER AT SCHOOL VIA TAPPING SLEEVE PER DETAIL 2/C-501.
 - (N) 6" X 6" X 6" TEE.
 - (N) 6" X 6" X 4" TEE.
 - CUT AND CAP (E) WATER MAIN PER DETAIL 5/C-501.
 - (N) 6" FIRE HYDRANT, LATERAL AND VALVE ASSEMBLY PER DETAIL 3/C-501.
 - (N) BACKFLOW PREVENTION DEVICE PER DETAIL 4/C-503.
 - (N) 4" GATE VALVE PER DETAIL 1/C-501.

- RESTORATION LEGEND**
- 6" CLASS 2 AGGREGATE BASE - AB (CL. 2) (GRAVEL)
 - SLURRY SEAL PER COUNTY STANDARD DETAIL W-10
 - PROVIDE STRIPING PER SPECIFIED DETAIL NUMBER ON SHEETS A20A TO A20E OF CALTRANS STANDARD PLANS 2018



CONTRACTOR'S NOTE:
 USE EXTREME CAUTION WHEN WORKING DUE TO
 LOW OVERHEAD UTILITY LINES.

APPROVED DATE:
 HOLLY ZIEGLER
 GHD, Inc.
 R.C.E. # 77541 / EXPIRES 06-30-2025



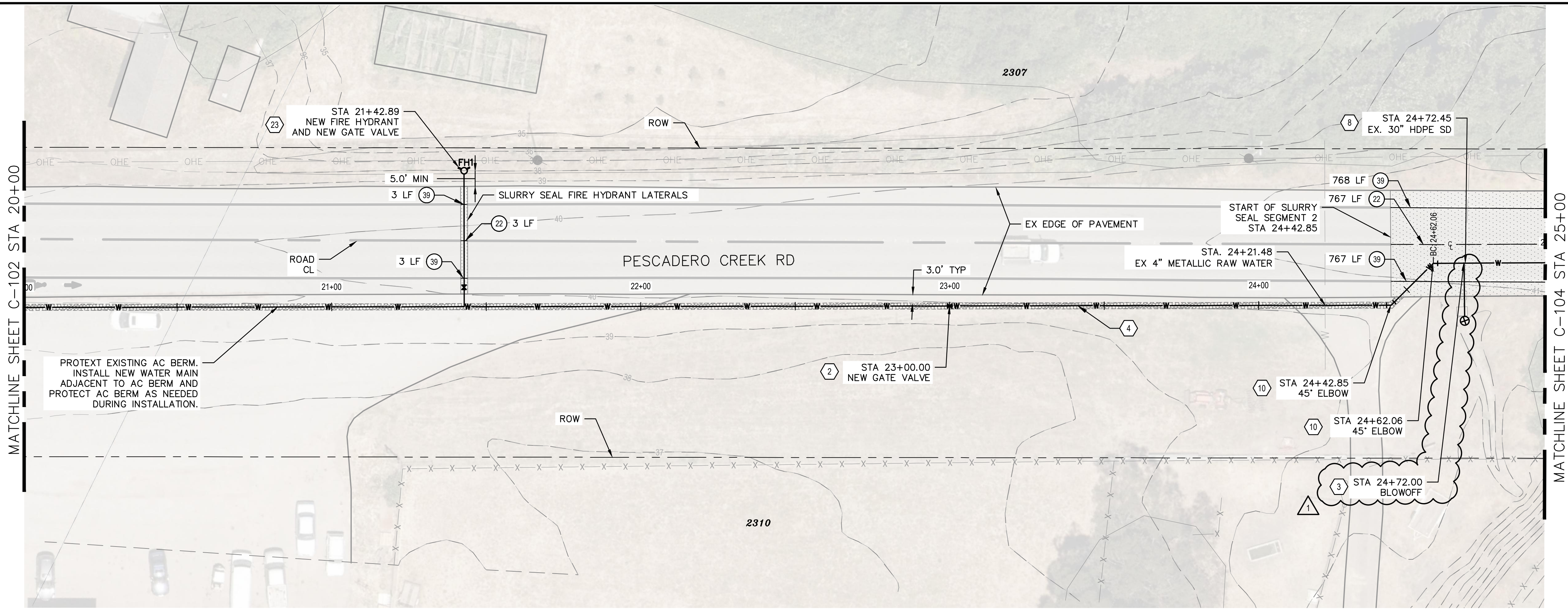
DESIGNED BY: RR		COUNTY OF SAN MATEO		SCALE: AS SHOWN
CHECKED BY: HC		CSA 11 WATER LINE EXTENSION		DATE: 4/28/2025
DRAWN BY: RR		PESCADERO CREEK RD - PLAN AND PROFILE STA 15+00 TO 20+00		FILE NO.: 1/5104
ADD. 1	04/28/2025	ANN MADER STILLMAN, DIRECTOR OF PUBLIC WORKS COUNTY SAN MATEO		555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063
REVISION	DATE			

FOR REDUCED PLANS
 ORIGINAL SCALE IS IN INCHES

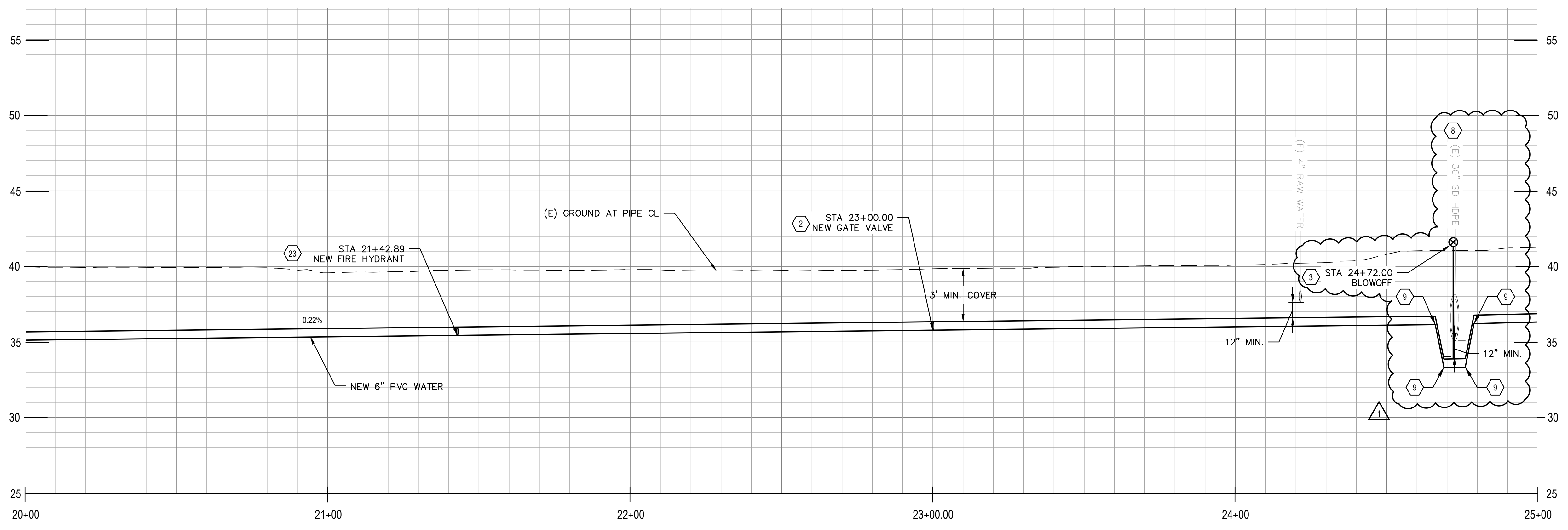
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APPROVED:
 DATE: March 7, 2025
 ANN MADER STILLMAN,
 DIRECTOR OF PUBLIC WORKS
 R. C. E. # 47882



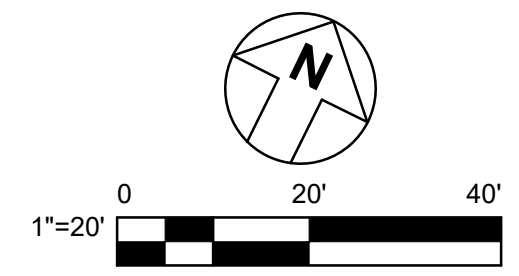
PLAN
 SCALE 1"=20'



PROFILE
 SCALE 1"=20' HZ, 1"=4' VT

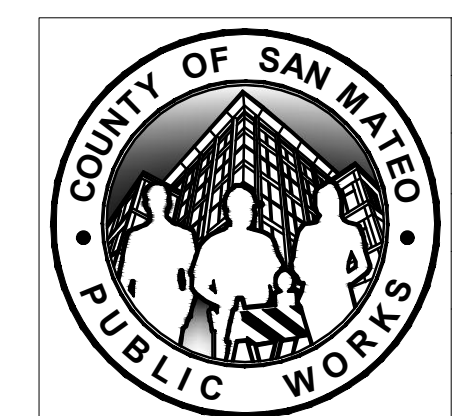
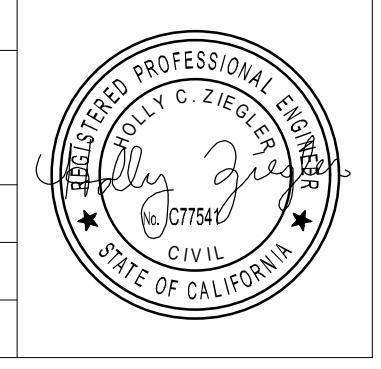
- SHEET KEYNOTES**
- CONNECT TO EX 6" WATER MAIN WITH RESTRAINED COUPLING. VERIFY LOCATION OF TERMINUS OF 6" MAIN.
 - (N) 6" GATE VALVE PER DETAIL 1/C-501.
 - (N) BLOW OFF PER DETAIL 4/C-501.
 - (N) 6" PVC WATER MAIN.
 - REMOVE (E) 4" PVC WATER MAIN.
 - (N) 90 DEGREE ELBOW PER DETAIL 7/C-501.
 - (N) WATER METER W/ BYPASS PER DETAIL 1/C-503.
 - UTILITY CROSSING PER DETAIL 1/C-502.
 - INSTALL VERTICAL FITTING WITH RESTRAINED JOINTS.
 - (N) 45 DEGREE ELBOW.
 - (N) 11.25 DEGREE ELBOW.
 - (N) AIR RELEASE VALVE PER DETAIL 2/C-502.
 - REMOVE (E) WATER VALVE.
 - RECONNECT (E) WATER SERVICE LATERAL. CONTRACTOR TO FIELD VERIFY LOCATION OF EXISTING METER BOX AND LENGTH OF NEW SERVICE LINE NEEDED.
 - (N) 6" DIP WATER MAIN.
 - (N) CULVERT CROSSING PER DETAIL 3/C-503.
 - (N) SERVICE METER VAULT PER DETAIL 4/C-502.
 - (N) 4" PVC WATER SERVICE.
 - CONNECT TO (E) 4" WATER AT SCHOOL VIA TAPPING SLEEVE PER DETAIL 2/C-501.
 - (N) 6" X 6" X 6" TEE.
 - (N) 6" X 6" X 4" TEE.
 - CUT AND CAP (E) WATER MAIN PER DETAIL 5/C-501.
 - (N) 6" FIRE HYDRANT, LATERAL AND VALVE ASSEMBLY PER DETAIL 3/C-501.
 - (N) BACKFLOW PREVENTION DEVICE PER DETAIL 4/C-503.
 - (N) 4" GATE VALVE PER DETAIL 1/C-501.

- RESTORATION LEGEND**
- 6" CLASS 2 AGGREGATE BASE - AB (CL. 2) (GRAVEL)
 - SLURRY SEAL PER COUNTY STANDARD DETAIL W-10
 - PROVIDE STRIPING PER SPECIFIED DETAIL NUMBER ON SHEETS A20A TO A20E OF CALTRANS STANDARD PLANS 2018



CONTRACTOR'S NOTE:
 USE EXTREME CAUTION WHEN WORKING DUE TO
 LOW OVERHEAD UTILITY LINES.

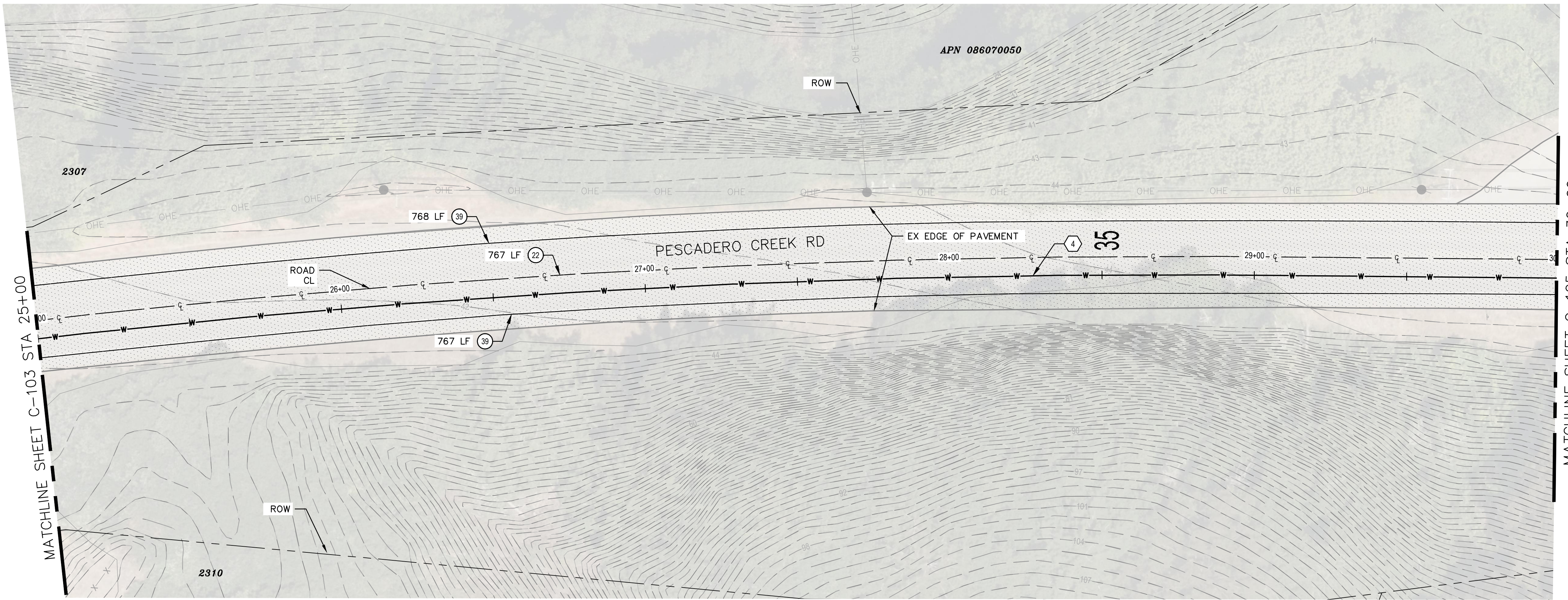
APPROVED DATE:
 HOLLY ZIEGLER
 GHD, Inc.
 R.C.E. # 77541 / EXPIRES 06-30-2025



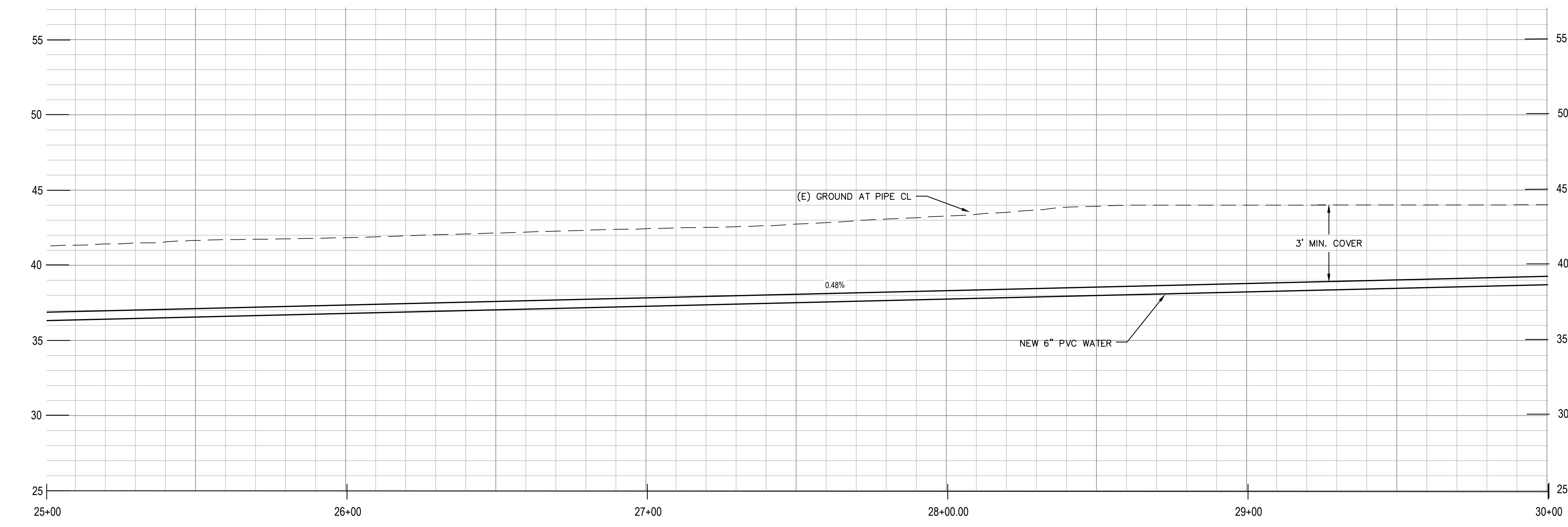
DESIGNED BY: RR	COUNTY OF SAN MATEO	SCALE: AS SHOWN
CHECKED BY: HC	CSA 11 WATER LINE EXTENSION	DATE: 4/28/2025
DRAWN BY: RR	PESCADERO CREEK RD - PLAN AND PROFILE STA 20+00 TO 25+00	FILE NO.: 1/5104
ADD. 1	04/28/2025	ANN MADER STILLMAN, DIRECTOR OF PUBLIC WORKS COUNTY SAN MATEO
REVISION	DATE	555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063



FILENAME: N:\US\EUREKA\PROJECTS\161\12639894\DIGITAL_DESIGN\ACAD 2020\SHEETS\12639894-GHD-0000-DWG-C-103.DWG (C-103)



PLAN
SCALE 1"=20'



PROFILE
SCALE 1"=20' HZ, 1"=4' VT



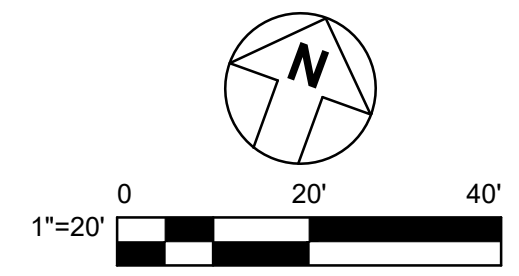
APPROVED:
DATE: March 7, 2025
Ann Mader Stillman
ANN MADER STILLMAN,
DIRECTOR OF PUBLIC WORKS
R. C. E. # 47882

SHEET KEYNOTES

1. CONNECT TO EX 6" WATER MAIN WITH RESTRAINED COUPLING. VERIFY LOCATION OF TERMINUS OF 6" MAIN.
2. (N) 6" GATE VALVE PER DETAIL 1/C-501.
3. (N) BLOW OFF PER DETAIL 4/C-501.
4. (N) 6" PVC WATER MAIN.
5. REMOVE (E) 4" PVC WATER MAIN.
6. (N) 90 DEGREE ELBOW PER DETAIL 7/C-501.
7. (N) WATER METER W/ BYPASS PER DETAIL 1/C-503.
8. UTILITY CROSSING PER DETAIL 1/C-502.
9. INSTALL VERTICAL FITTING WITH RESTRAINED JOINTS.
10. (N) 45 DEGREE ELBOW.
11. (N) 11.25 DEGREE ELBOW.
12. (N) AIR RELEASE VALVE PER DETAIL 2/C-502.
13. REMOVE (E) WATER VALVE.
14. RECONNECT (E) WATER SERVICE LATERAL. CONTRACTOR TO FIELD VERIFY LOCATION OF EXISTING METER BOX AND LENGTH OF NEW SERVICE LINE NEEDED.
15. (N) 6" DIP WATER MAIN.
16. (N) CULVERT CROSSING PER DETAIL 3/C-503.
17. (N) SERVICE METER VAULT PER DETAIL 4/C-502.
18. (N) 4" PVC WATER SERVICE.
19. CONNECT TO (E) 4" WATER AT SCHOOL VIA TAPPING SLEEVE PER DETAIL 2/C-501.
20. (N) 6" X 6" X 6" TEE.
21. (N) 6" X 6" X 4" TEE.
22. CUT AND CAP (E) WATER MAIN PER DETAIL 5/C-501.
23. (N) 6" FIRE HYDRANT, LATERAL AND VALVE ASSEMBLY PER DETAIL 3/C-501.
24. (N) BACKFLOW PREVENTION DEVICE PER DETAIL 4/C-503.
25. (N) 4" GATE VALVE PER DETAIL 1/C-501.

RESTORATION LEGEND

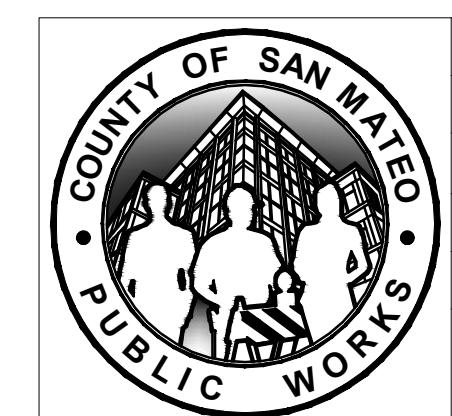
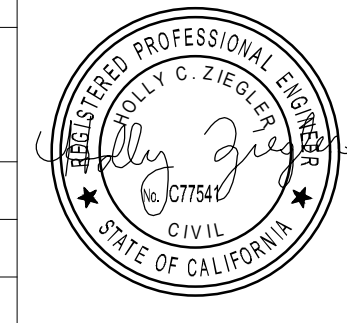
- SLURRY SEAL PER COUNTY STANDARD DETAIL W-10
- PROVIDE STRIPING PER SPECIFIED DETAIL NUMBER ON SHEETS A20A TO A20E OF CALTRANS STANDARD PLANS 2018
- NUMERICAL PAVEMENT MARKING PER CALTRANS STANDARD A24C OF CALTRANS STANDARD PLANS 2018



CONTRACTOR'S NOTE:
USE EXTREME CAUTION WHEN WORKING DUE TO LOW OVERHEAD UTILITY LINES.

APPROVED DATE:

HOLLY ZIEGLER
GHD, Inc.
R.C.E. # 77541 / EXPIRES 06-30-2025

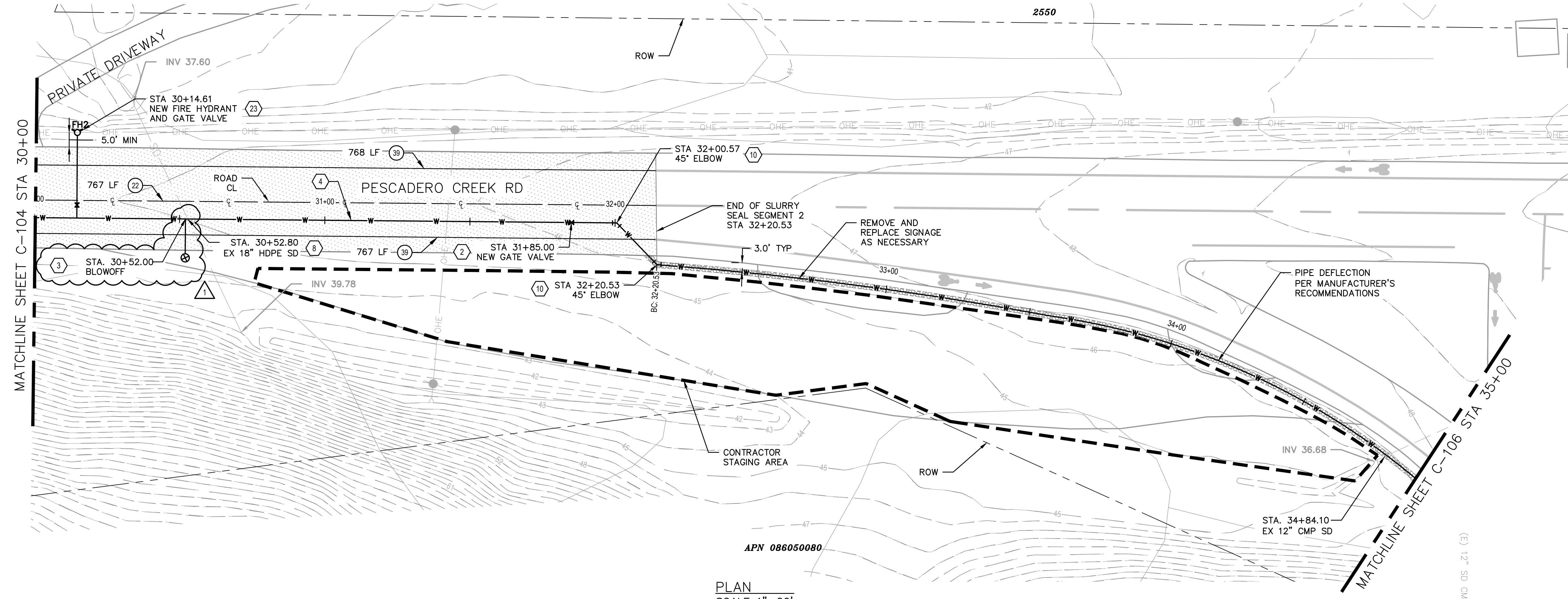


DESIGNED BY: RR		COUNTY OF SAN MATEO		SCALE: AS SHOWN
CHECKED BY: HC		CSA 11 WATER LINE EXTENSION		DATE: 4/28/2025
DRAWN BY: RR		PESCADERO CREEK RD - PLAN AND PROFILE STA 25+00 TO 30+00		FILE NO.: 1/5104
ADD. 1	04/28/2025	ANN MADER STILLMAN, DIRECTOR OF PUBLIC WORKS COUNTY SAN MATEO	555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063	
REVISION	DATE			
FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES				
				C-104 SHEET 8 OF 26

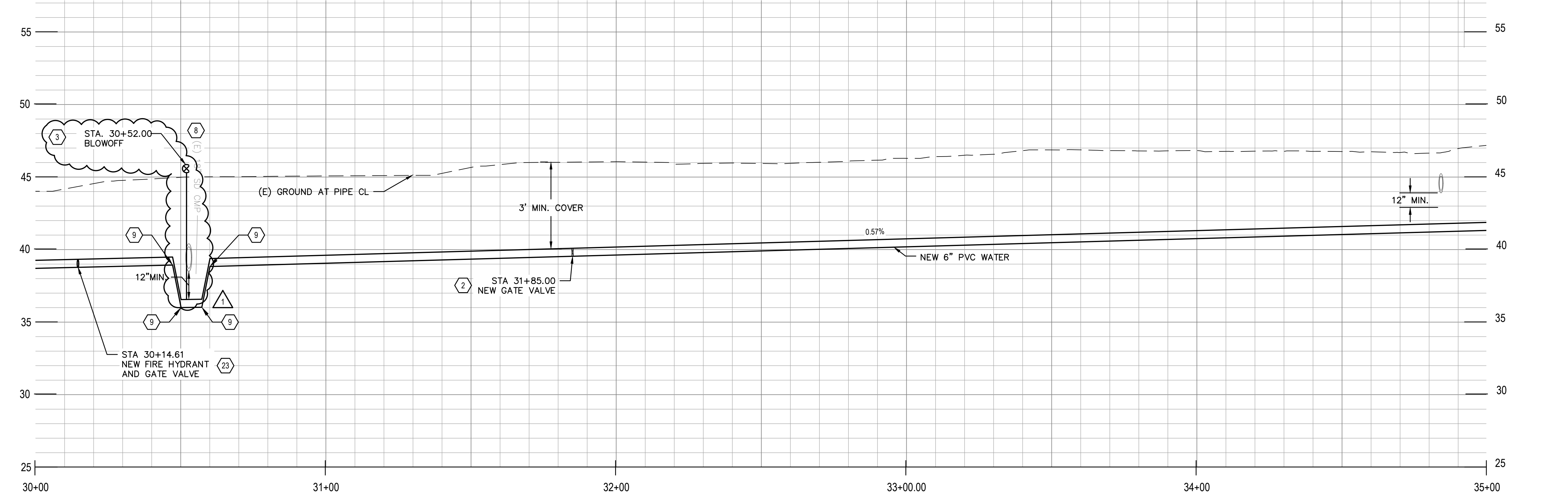
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APPROVED:
 DATE: March 7, 2025
 ANN MADER STILLMAN,
 DIRECTOR OF PUBLIC WORKS
 R. C. E. # 47882



PLAN
 SCALE 1"=20'



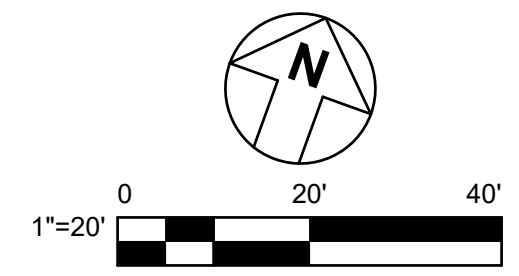
PROFILE
 SCALE 1"=20' HZ, 1"=4' VT

SHEET KEYNOTES

1. CONNECT TO EX 6" WATER MAIN WITH RESTRAINED COUPLING. VERIFY LOCATION OF TERMINUS OF 6" MAIN.
2. (N) 6" GATE VALVE PER DETAIL 1/C-501.
3. (N) BLOW OFF PER DETAIL 4/C-501.
4. (N) 6" PVC WATER MAIN.
5. REMOVE (E) 4" PVC WATER MAIN.
6. (N) 90 DEGREE ELBOW PER DETAIL 7/C-501.
7. (N) WATER METER W/ BYPASS PER DETAIL 1/C-503.
8. UTILITY CROSSING PER DETAIL 1/C-502.
9. INSTALL VERTICAL FITTING WITH RESTRAINED JOINTS.
10. (N) 45 DEGREE ELBOW.
11. (N) 11.25 DEGREE ELBOW.
12. (N) AIR RELEASE VALVE PER DETAIL 2/C-502.
13. REMOVE (E) WATER VALVE.
14. RECONNECT (E) WATER SERVICE LATERAL. CONTRACTOR TO FIELD VERIFY LOCATION OF EXISTING METER BOX AND LENGTH OF NEW SERVICE LINE NEEDED.
15. (N) 6" DIP WATER MAIN.
16. (N) CULVERT CROSSING PER DETAIL 3/C-503.
17. (N) SERVICE METER VAULT PER DETAIL 4/C-502.
18. (N) 4" PVC WATER SERVICE.
19. CONNECT TO (E) 4" WATER AT SCHOOL VIA TAPPING SLEEVE PER DETAIL 2/C-501.
20. (N) 6" X 6" X 6" TEE.
21. (N) 6" X 6" X 4" TEE.
22. CUT AND CAP (E) WATER MAIN PER DETAIL 5/C-501.
23. (N) 6" FIRE HYDRANT, LATERAL AND VALVE ASSEMBLY PER DETAIL 3/C-501.
24. (N) BACKFLOW PREVENTION DEVICE PER DETAIL 4/C-503.
25. (N) 4" GATE VALVE PER DETAIL 1/C-501.

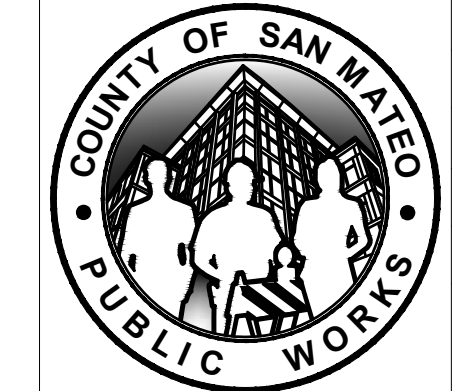
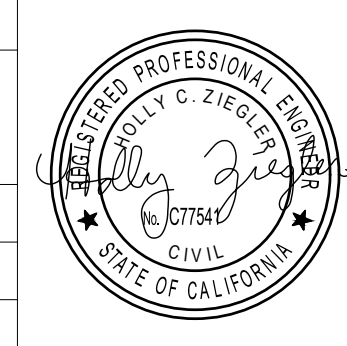
RESTORATION LEGEND

- 6" CLASS 2 AGGREGATE BASE
- AB (CL. 2) (GRAVEL)
- SLURRY SEAL PER COUNTY STANDARD DETAIL W-10
- PROVIDE STRIPING PER SPECIFIED DETAIL NUMBER ON SHEETS A20A TO A20E OF CALTRANS STANDARD PLANS 2018



CONTRACTOR'S NOTE:
 USE EXTREME CAUTION WHEN WORKING DUE TO LOW OVERHEAD UTILITY LINES.

APPROVED DATE:
 HOLLY ZIEGLER
 GHD, Inc.
 R.C.E. # 77541 / EXPIRES 06-30-2025



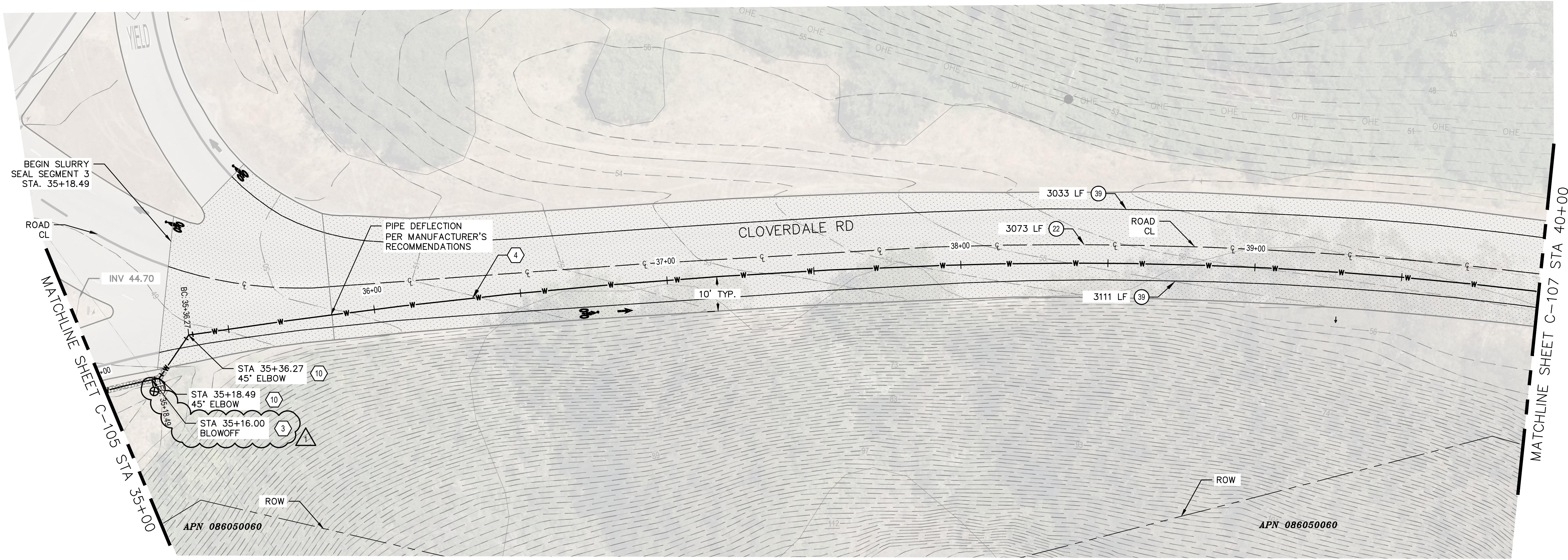
DESIGNED BY: RR		COUNTY OF SAN MATEO		SCALE: AS SHOWN
CHECKED BY: HC		CSA 11 WATER LINE EXTENSION		DATE: 4/29/2025
DRAWN BY: RR		PESCADERO CREEK RD - PLAN AND PROFILE STA 30+00 TO 35+00		FILE NO.: 1/5104
ADD. 1	04/28/2025	ANN MADER STILLMAN, DIRECTOR OF PUBLIC WORKS COUNTY SAN MATEO		555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063
REVISION	DATE			

FOR REDUCED PLANS
 ORIGINAL SCALE IS IN INCHES

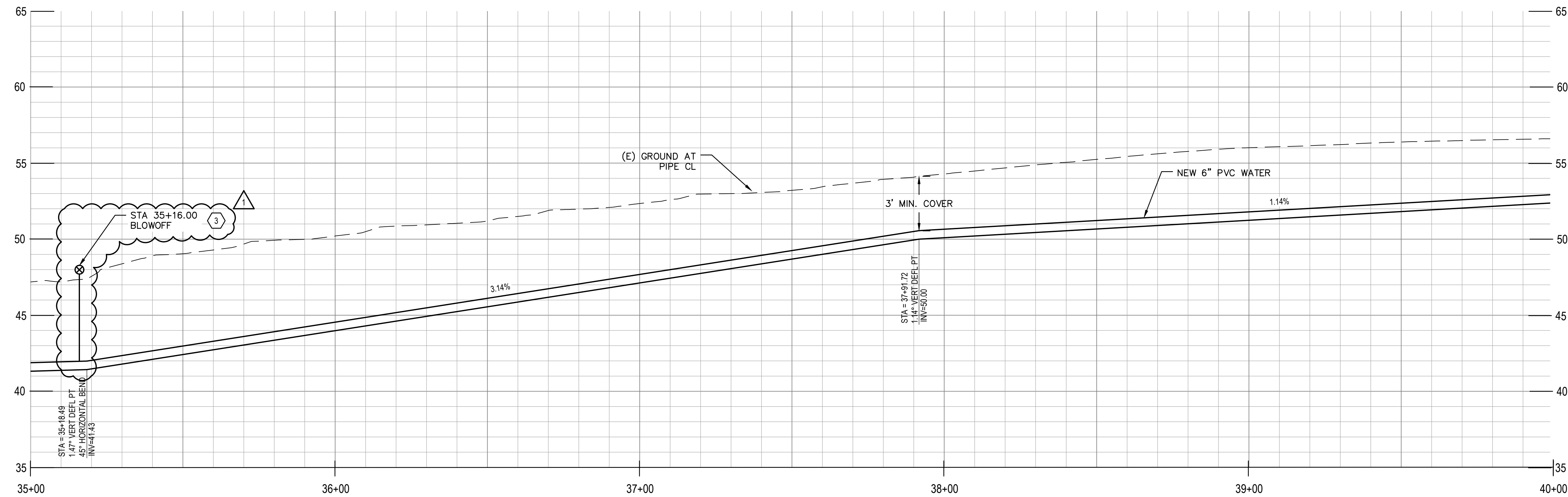
FILENAME: \\GHDNET\GHD\US\REURKA\PROJECTS\561\2639894\DIGITAL\DESIGN\ACAD 2020\SHEETS\2639894-GHD-0000-DWG-C-105.DWG (C-105)



APPROVED:
 DATE: March 7, 2025
 ANN MADER STILLMAN,
 DIRECTOR OF PUBLIC WORKS
 R. C. E. # 47882



PLAN
 SCALE 1"=20'



PROFILE
 SCALE 1"=20' HZ, 1"=4' VT

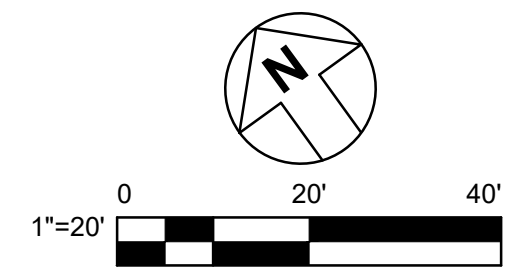
SHEET KEYNOTES

1. CONNECT TO EX 6" WATER MAIN WITH RESTRAINED COUPLING. VERIFY LOCATION OF TERMINUS OF 6" MAIN.
2. (N) 6" GATE VALVE PER DETAIL 1/C-501.
3. (N) BLOW OFF PER DETAIL 4/C-501.
4. (N) 6" PVC WATER MAIN.
5. REMOVE (E) 4" PVC WATER MAIN.
6. (N) 90 DEGREE ELBOW PER DETAIL 7/C-501.
7. (N) WATER METER W/ BYPASS PER DETAIL 1/C-503.
8. UTILITY CROSSING PER DETAIL 1/C-502.
9. INSTALL VERTICAL FITTING WITH RESTRAINED JOINTS.
10. (N) 45 DEGREE ELBOW.
11. (N) 11.25 DEGREE ELBOW.
12. (N) AIR RELEASE VALVE PER DETAIL 2/C-502.
13. REMOVE (E) WATER VALVE.
14. RECONNECT (E) WATER SERVICE LATERAL. CONTRACTOR TO FIELD VERIFY LOCATION OF EXISTING METER BOX AND LENGTH OF NEW SERVICE LINE NEEDED.
15. (N) 6" DIP WATER MAIN.
16. (N) CULVERT CROSSING PER DETAIL 3/C-503.
17. (N) SERVICE METER VAULT PER DETAIL 4/C-502.
18. (N) 4" PVC WATER SERVICE.
19. CONNECT TO (E) 4" WATER AT SCHOOL VIA TAPPING SLEEVE PER DETAIL 2/C-501.
20. (N) 6" X 6" X 6" TEE.
21. (N) 6" X 6" X 4" TEE.
22. CUT AND CAP (E) WATER MAIN PER DETAIL 5/C-501.
23. (N) 6" FIRE HYDRANT, LATERAL AND VALVE ASSEMBLY PER DETAIL 3/C-501.
24. (N) BACKFLOW PREVENTION DEVICE PER DETAIL 4/C-503.
25. (N) 4" GATE VALVE PER DETAIL 1/C-501.

RESTORATION LEGEND

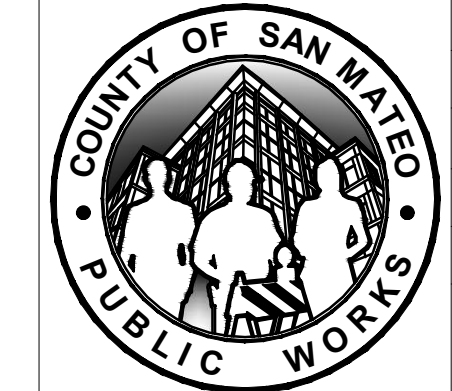
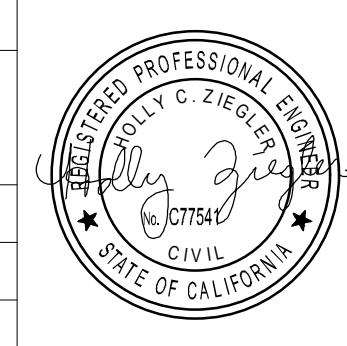
- 6" CLASS 2 AGGREGATE BASE - AB (CL. 2) (GRAVEL)
- SLURRY SEAL PER COUNTY STANDARD DETAIL W-10
- PROVIDE STRIPING PER SPECIFIED DETAIL NUMBER ON SHEETS A20A TO A20E OF CALTRANS STANDARD PLANS 2018
- PAVEMENT MARKERS BIKE LANE ARROW PER DETAIL A24A AND BIKE LANE SYMBOL PER DETAIL A24C OF CALTRANS STANDARD PLANS 2018

FINAL



CONTRACTOR'S NOTE:
 USE EXTREME CAUTION WHEN WORKING DUE TO LOW OVERHEAD UTILITY LINES.

APPROVED DATE:
 HOLLY ZIEGLER
 GHD, Inc.
 R.C.E. # 77541 / EXPIRES 06-30-2025

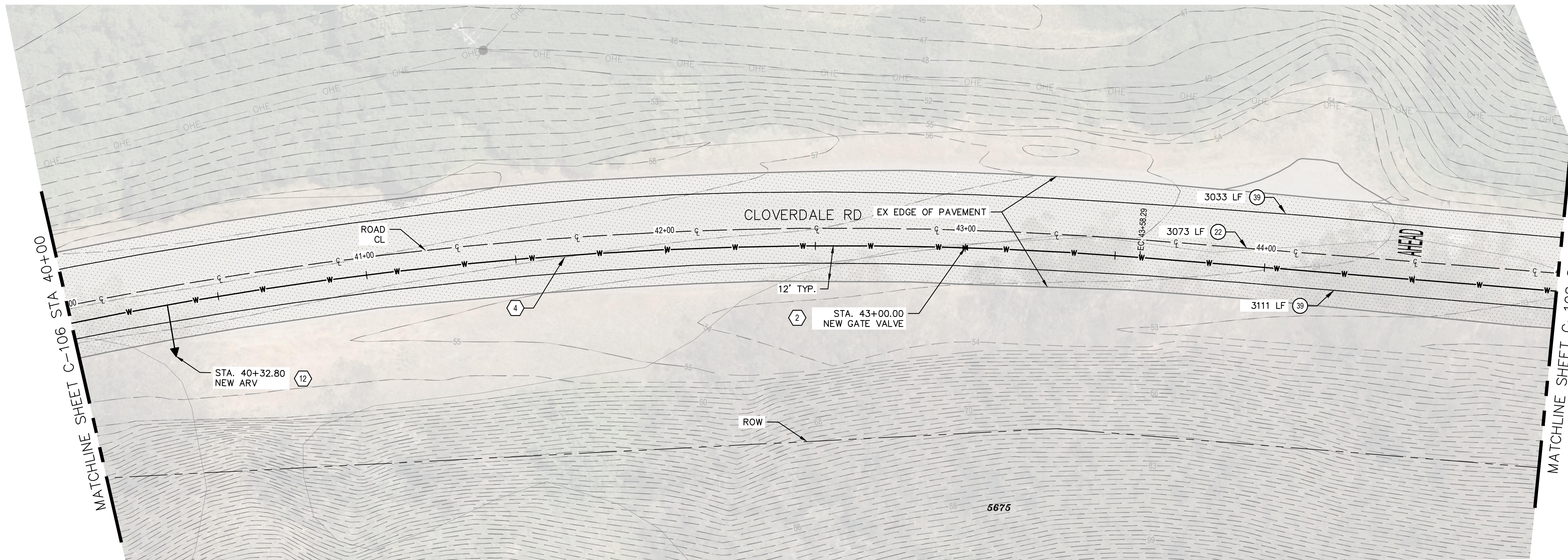


DESIGNED BY: RR	COUNTY OF SAN MATEO	SCALE: AS SHOWN
CHECKED BY: HC	CSA 11 WATER LINE EXTENSION	DATE: 4/28/2025
DRAWN BY: RR	CLOVERDALE RD - PLAN AND PROFILE STA 35+00 TO 40+00	FILE NO.: 1/5104
ADD. 1	04/28/2025	ANN MADER STILLMAN, DIRECTOR OF PUBLIC WORKS COUNTY SAN MATEO
REVISION	DATE	555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063
FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES		C-106 SHEET 10 OF 26

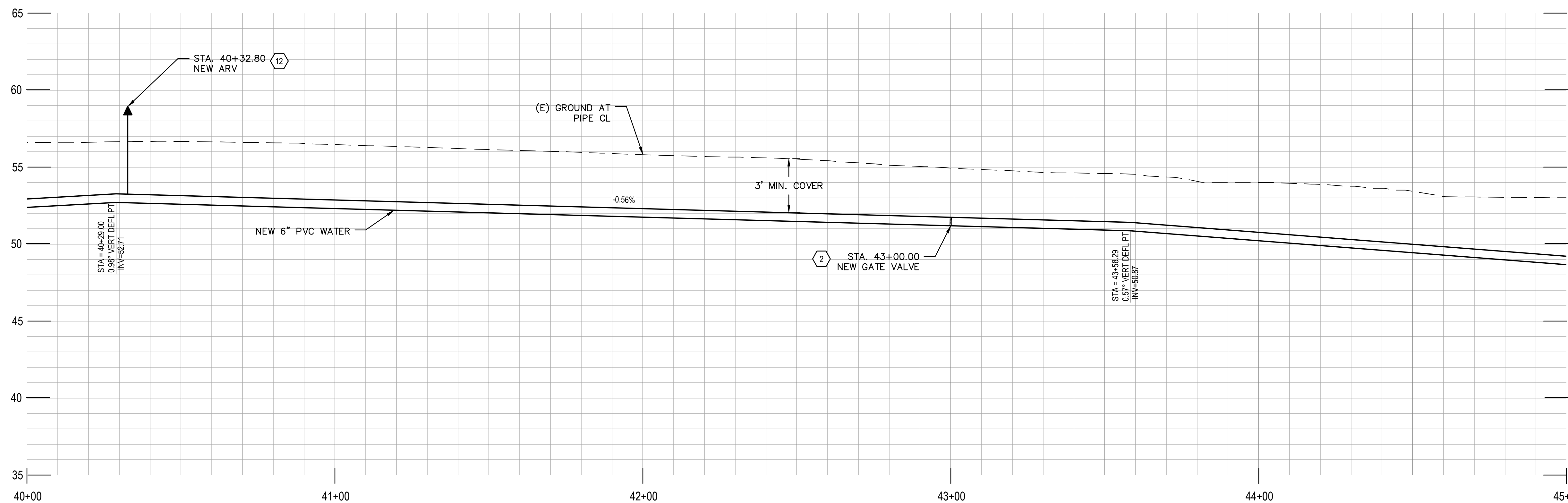
FILENAME: N:\S\UREKA\PROJECTS\161\2639894\DIGITAL_DESIGN\ACAD 2020\SHEETS\1639894-GHD-0000-DWG-C-106.DWG (C-106)



APPROVED:
 DATE: March 7, 2025
 ANN MADER STILLMAN,
 DIRECTOR OF PUBLIC WORKS
 R. C. E. # 47882



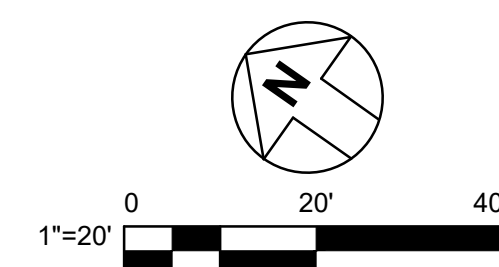
PLAN
 SCALE 1"=20'



PROFILE
 SCALE 1"=20' HZ, 1"=4' VT

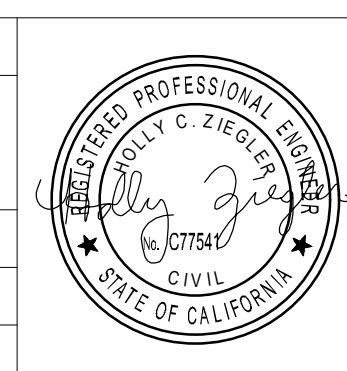
- SHEET KEYNOTES**
- CONNECT TO EX 6" WATER MAIN WITH RESTRAINED COUPLING. VERIFY LOCATION OF TERMINUS OF 6" MAIN.
 - (N) 6" GATE VALVE PER DETAIL 1/C-501.
 - (N) BLOW OFF PER DETAIL 4/C-501.
 - (N) 6" PVC WATER MAIN.
 - REMOVE (E) 4" PVC WATER MAIN.
 - (N) 90 DEGREE ELBOW PER DETAIL 7/C-501.
 - (N) WATER METER W/ BYPASS PER DETAIL 1/C-503.
 - UTILITY CROSSING PER DETAIL 1/C-502.
 - INSTALL VERTICAL FITTING WITH RESTRAINED JOINTS.
 - (N) 45 DEGREE ELBOW.
 - (N) 11.25 DEGREE ELBOW.
 - (N) AIR RELEASE VALVE PER DETAIL 2/C-502.
 - REMOVE (E) WATER VALVE.
 - RECONNECT (E) WATER SERVICE LATERAL. CONTRACTOR TO FIELD VERIFY LOCATION OF EXISTING METER BOX AND LENGTH OF NEW SERVICE LINE NEEDED.
 - (N) 6" DIP WATER MAIN.
 - (N) CULVERT CROSSING PER DETAIL 3/C-503.
 - (N) SERVICE METER VAULT PER DETAIL 4/C-502.
 - (N) 4" PVC WATER SERVICE.
 - CONNECT TO (E) 4" WATER AT SCHOOL VIA TAPPING SLEEVE PER DETAIL 2/C-501.
 - (N) 6" X 6" X 6" TEE.
 - (N) 6" X 6" X 4" TEE.
 - CUT AND CAP (E) WATER MAIN PER DETAIL 5/C-501.
 - (N) 6" FIRE HYDRANT, LATERAL AND VALVE ASSEMBLY PER DETAIL 3/C-501.
 - (N) BACKFLOW PREVENTION DEVICE PER DETAIL 4/C-503.
 - (N) 4" GATE VALVE PER DETAIL 1/C-501.

- RESTORATION LEGEND**
- SLURRY SEAL PER COUNTY STANDARD DETAIL W-10
 - PROVIDE STRIPING PER SPECIFIED DETAIL NUMBER ON SHEETS A20A TO A20E OF CALTRANS STANDARD PLANS 2018
 - WORD PAVEMENT MARKING PER CALTRANS STANDARD A24D OF CALTRANS STANDARD PLANS 2018



CONTRACTOR'S NOTE:
 USE EXTREME CAUTION WHEN WORKING DUE TO
 LOW OVERHEAD UTILITY LINES.

APPROVED DATE:
 HOLLY ZIEGLER
 GHD, Inc.
 R.C.E. # 77541 / EXPIRES 06-30-2025

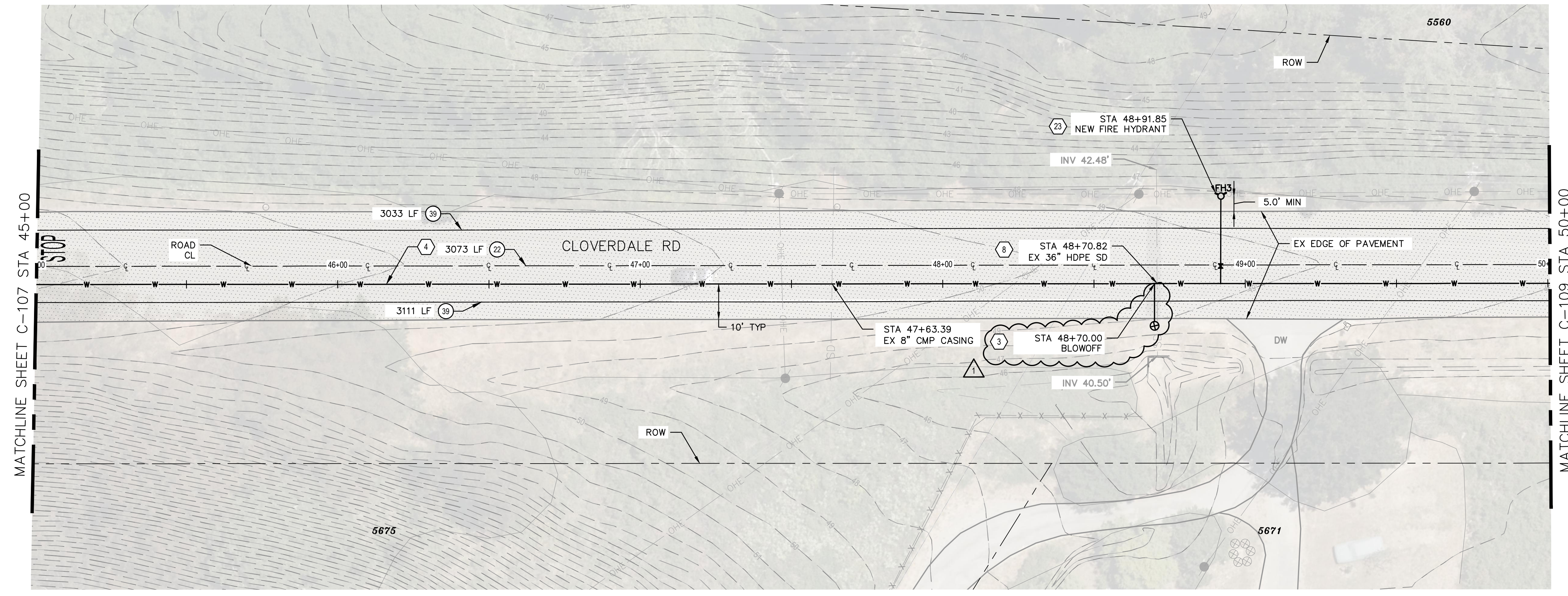


DESIGNED BY: RR		COUNTY OF SAN MATEO		SCALE: AS SHOWN
CHECKED BY: HC		CSA 11 WATER LINE EXTENSION		DATE: 4/28/2025
DRAWN BY: RR		CLOVERDALE RD - PLAN AND PROFILE STA 40+00 TO 45+00		FILE NO.: 1/5104
ADD. 1	04/28/2025	ANN MADER STILLMAN, DIRECTOR OF PUBLIC WORKS COUNTY SAN MATEO		555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063
REVISION	DATE			
		FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES		C-107 SHEET 11 OF 26

FILENAME: N:\US\EUREKA\PROJECTS\161\2639894\DIGITAL_DESIGN\ACAD 2020\SHEETS\1639894-GHD-0000-DWG-C-107.DWG (C-107)



APPROVED:
 DATE: March 7, 2025
 ANN MADER STILLMAN,
 DIRECTOR OF PUBLIC WORKS
 R. C. E. # 47882



PLAN
 SCALE 1"=20'



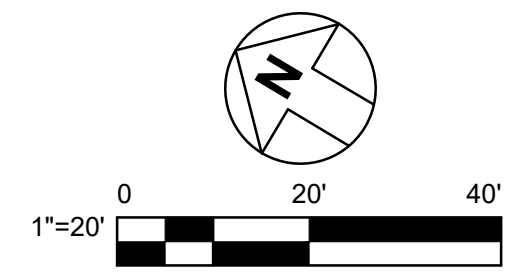
PROFILE
 SCALE 1"=20' HZ, 1"=4' VT

SHEET KEYNOTES

- CONNECT TO EX 6" WATER MAIN WITH RESTRAINED COUPLING. VERIFY LOCATION OF TERMINUS OF 6" MAIN.
- (N) 6" GATE VALVE PER DETAIL 1/C-501.
- (N) BLOW OFF PER DETAIL 4/C-501.
- (N) 6" PVC WATER MAIN.
- REMOVE (E) 4" PVC WATER MAIN.
- (N) 90 DEGREE ELBOW PER DETAIL 7/C-501.
- (N) WATER METER W/ BYPASS PER DETAIL 1/C-503.
- UTILITY CROSSING PER DETAIL 1/C-502.
- INSTALL VERTICAL FITTING WITH RESTRAINED JOINTS.
- (N) 45 DEGREE ELBOW.
- (N) 11.25 DEGREE ELBOW.
- (N) AIR RELEASE VALVE PER DETAIL 2/C-502.
- REMOVE (E) WATER VALVE.
- RECONNECT (E) WATER SERVICE LATERAL. CONTRACTOR TO FIELD VERIFY LOCATION OF EXISTING METER BOX AND LENGTH OF NEW SERVICE LINE NEEDED.
- (N) 6" DIP WATER MAIN.
- (N) CULVERT CROSSING PER DETAIL 3/C-503.
- (N) SERVICE METER VAULT PER DETAIL 4/C-502.
- (N) 4" PVC WATER SERVICE.
- CONNECT TO (E) 4" WATER AT SCHOOL VIA TAPPING SLEEVE PER DETAIL 2/C-501.
- (N) 6" X 6" X 6" TEE.
- (N) 6" X 6" X 4" TEE.
- CUT AND CAP (E) WATER MAIN PER DETAIL 5/C-501.
- (N) 6" FIRE HYDRANT, LATERAL AND VALVE ASSEMBLY PER DETAIL 3/C-501.
- (N) BACKFLOW PREVENTION DEVICE PER DETAIL 4/C-503.
- (N) 4" GATE VALVE PER DETAIL 1/C-501.

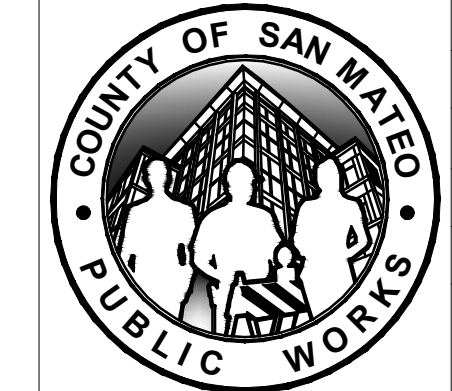
RESTORATION LEGEND

- SLURRY SEAL PER COUNTY STANDARD DETAIL W-10
- PROVIDE STRIPING PER SPECIFIED DETAIL NUMBER ON SHEETS A20A TO A20E OF CALTRANS STANDARD PLANS 2018
- WORD PAVEMENT MARKING PER CALTRANS STANDARD A24D OF CALTRANS STANDARD PLANS 2018



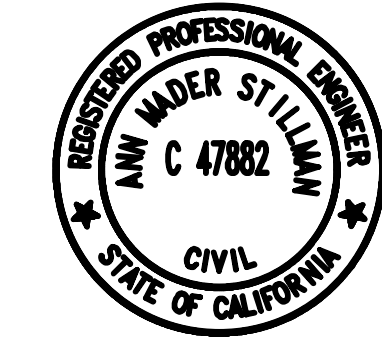
CONTRACTOR'S NOTE:
 USE EXTREME CAUTION WHEN WORKING DUE TO
 LOW OVERHEAD UTILITY LINES.

APPROVED DATE:
 HOLLY ZIEGLER
 GHD, Inc.
 R.C.E. # 77541 / EXPIRES 06-30-2025

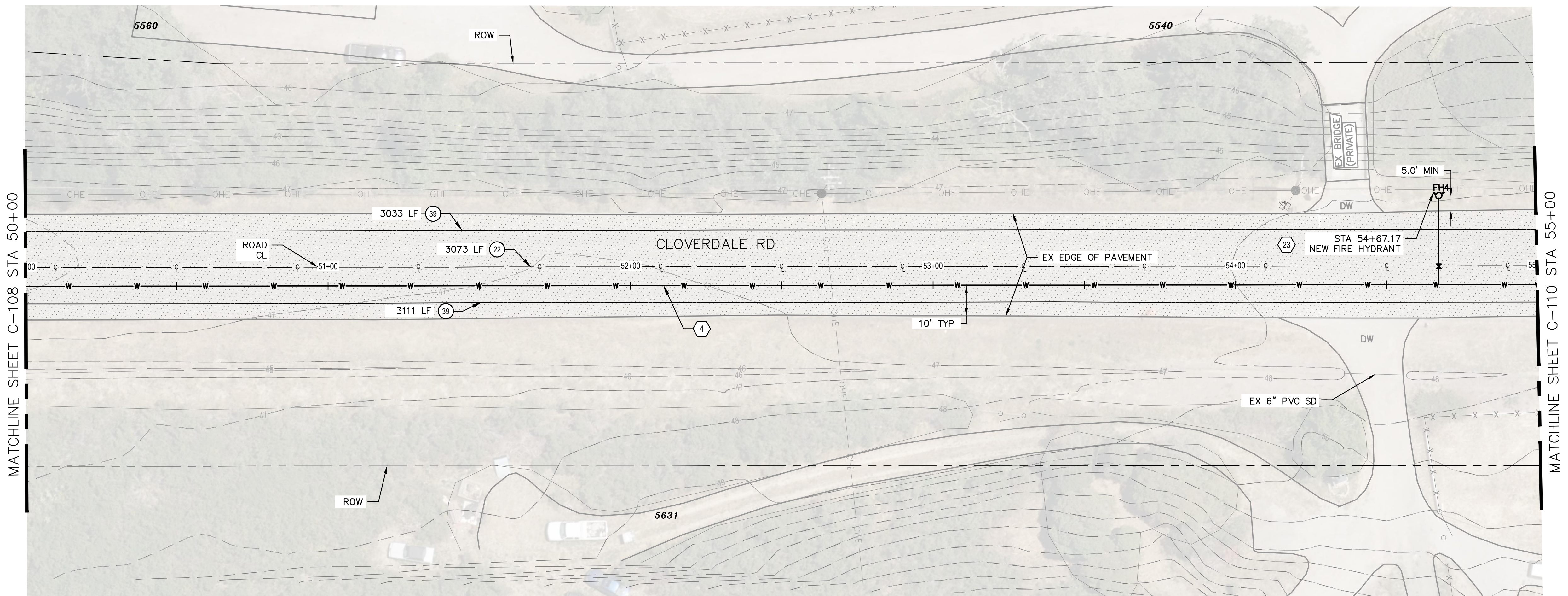


DESIGNED BY: RR		COUNTY OF SAN MATEO		SCALE: AS SHOWN
CHECKED BY: HC		CSA 11 WATER LINE EXTENSION		DATE: 4/28/2025
DRAWN BY: RR		CLOVERDALE RD - PLAN AND PROFILE STA 45+00 TO 50+00		FILE NO.: 1/5104
ADD. 1	04/28/2025	ANN MADER STILLMAN, DIRECTOR OF PUBLIC WORKS COUNTY SAN MATEO		555 COUNTY CENTER, 5TH FLOOR REDWOOD CITY, CALIFORNIA 94063
REVISION	DATE			
		FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES		

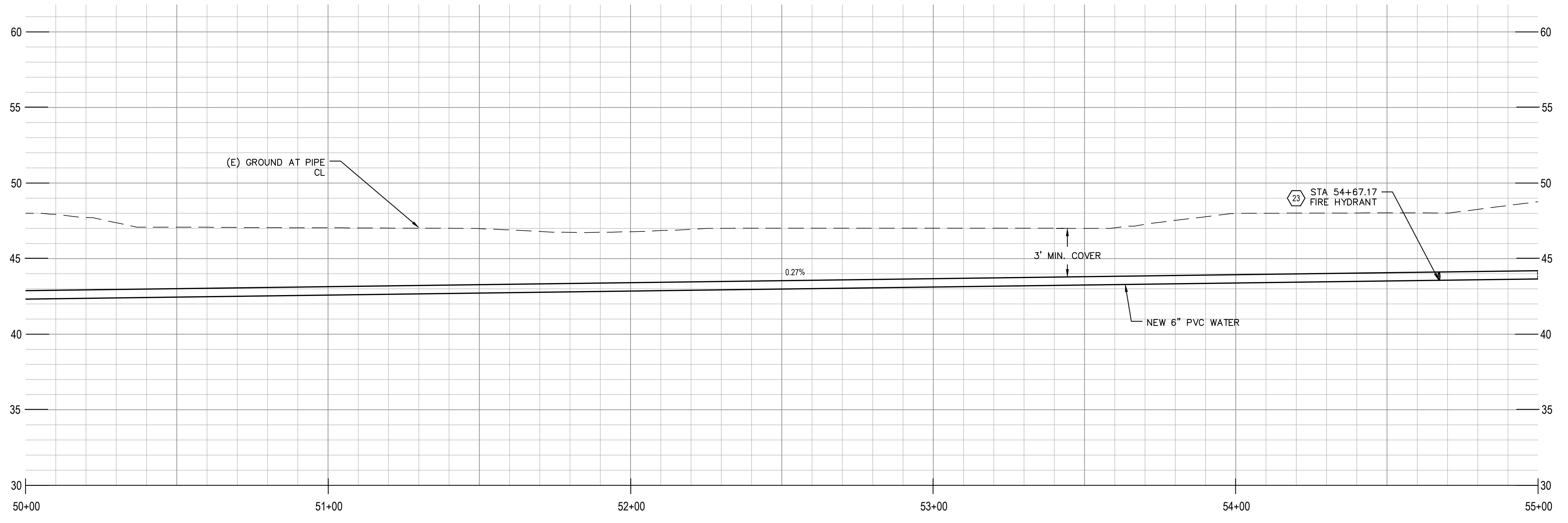
FILENAME: N:\US\EUREKA\PROJECTS\161\2639894\DIGITAL_DESIGN\ACAD 2020\SHEETS\1639894-GHD-0000-DWG-C-106.DWG (C-106)



APPROVED:
 DATE: March 7, 2025
 ANN MADER STILLMAN,
 DIRECTOR OF PUBLIC WORKS
 R. C. E. # 47882



PLAN
 SCALE 1"=20'



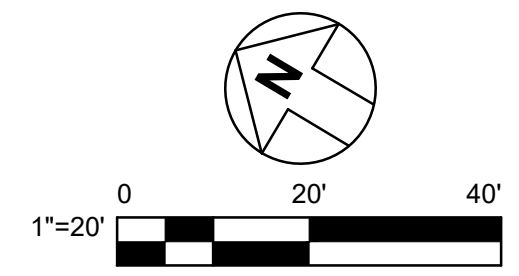
PROFILE
 SCALE 1"=20' HZ, 1"=4' VT

SHEET KEYNOTES

1. CONNECT TO EX 6" WATER MAIN WITH RESTRAINED COUPLING. VERIFY LOCATION OF TERMINUS OF 6" MAIN.
2. (N) 6" GATE VALVE PER DETAIL 1/C-501.
3. (N) BLOW OFF PER DETAIL 4/C-501.
4. (N) 6" PVC WATER MAIN.
5. REMOVE (E) 4" PVC WATER MAIN.
6. (N) 90 DEGREE ELBOW PER DETAIL 7/C-501.
7. (N) WATER METER W/ BYPASS PER DETAIL 1/C-503.
8. UTILITY CROSSING PER DETAIL 1/C-502.
9. INSTALL VERTICAL FITTING WITH RESTRAINED JOINTS.
10. (N) 45 DEGREE ELBOW.
11. (N) 11.25 DEGREE ELBOW.
12. (N) AIR RELEASE VALVE PER DETAIL 2/C-502.
13. REMOVE (E) WATER VALVE.
14. RECONNECT (E) WATER SERVICE LATERAL. CONTRACTOR TO FIELD VERIFY LOCATION OF EXISTING METER BOX AND LENGTH OF NEW SERVICE LINE NEEDED.
15. (N) 6" DIP WATER MAIN.
16. (N) CULVERT CROSSING PER DETAIL 3/C-503.
17. (N) SERVICE METER VAULT PER DETAIL 4/C-502.
18. (N) 4" PVC WATER SERVICE.
19. CONNECT TO (E) 4" WATER AT SCHOOL VIA TAPPING SLEEVE PER DETAIL 2/C-501.
20. (N) 6" X 6" X 6" TEE.
21. (N) 6" X 6" X 4" TEE.
22. CUT AND CAP (E) WATER MAIN PER DETAIL 5/C-501.
23. (N) 6" FIRE HYDRANT, LATERAL AND VALVE ASSEMBLY PER DETAIL 3/C-501.
24. (N) BACKFLOW PREVENTION DEVICE PER DETAIL 4/C-503.
25. (N) 4" GATE VALVE PER DETAIL 1/C-501.

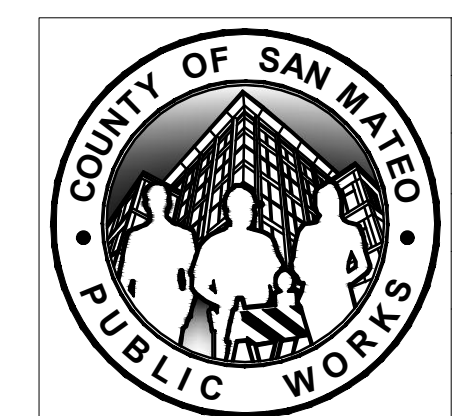
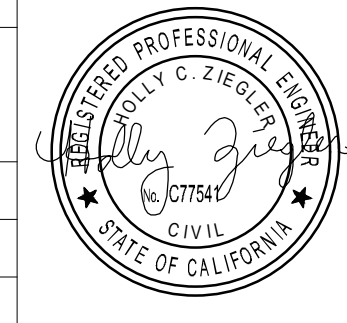
RESTORATION LEGEND

- SLURRY SEAL PER COUNTY STANDARD DETAIL W-10
- PROVIDE STRIPING PER SPECIFIED DETAIL NUMBER ON SHEETS A20A TO A20E OF CALTRANS STANDARD PLANS 2018



CONTRACTOR'S NOTE:
 USE EXTREME CAUTION WHEN WORKING DUE TO
 LOW OVERHEAD UTILITY LINES.

APPROVED DATE:
 HOLLY ZIEGLER
 GHD, Inc.
 R.C.E. # 77541 / EXPIRES 06-30-2025

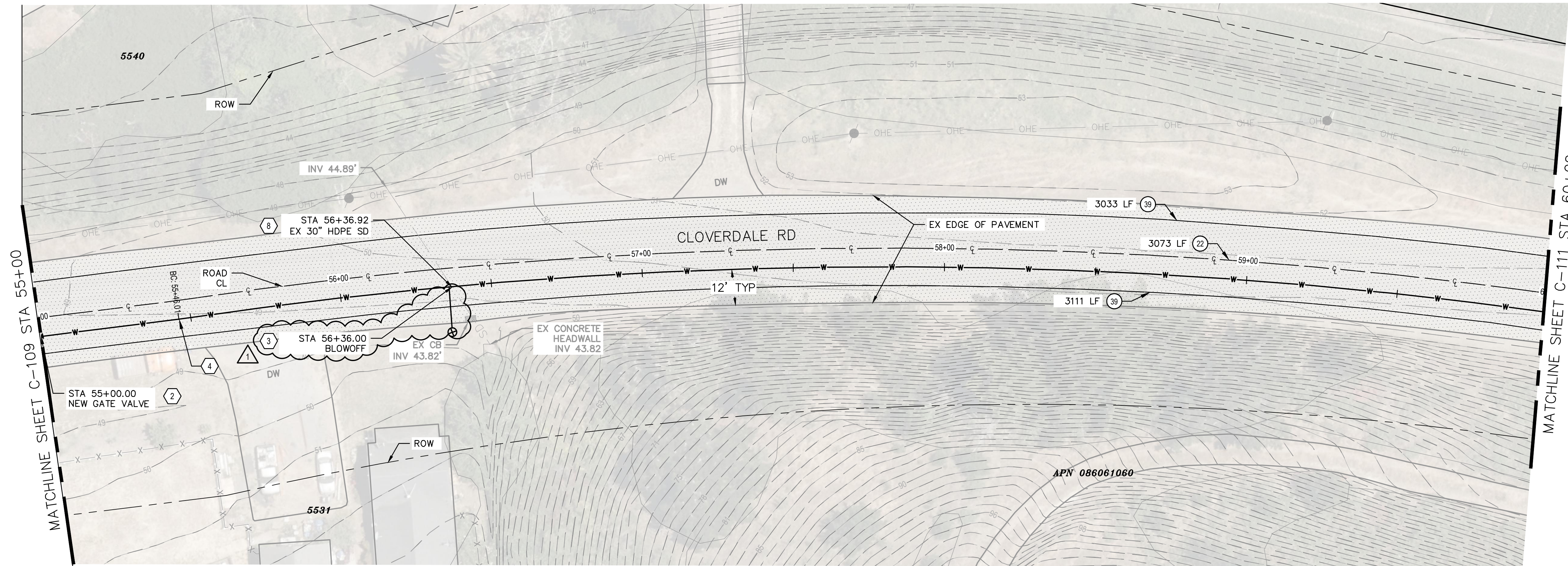


DESIGNED BY: RR	COUNTY OF SAN MATEO	SCALE: AS SHOWN
CHECKED BY: HC	CSA 11 WATER LINE EXTENSION	DATE: 4/28/2025
DRAWN BY: RR	CLOVERDALE RD - PLAN AND PROFILE STA 50+00 TO 55+00	FILE NO.: 1/5104
ADD. 1	04/28/2025	ANN MADER STILLMAN, DIRECTOR OF PUBLIC WORKS COUNTY SAN MATEO
REVISION	DATE	555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063
FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES		C-109 SHEET 13 OF 26

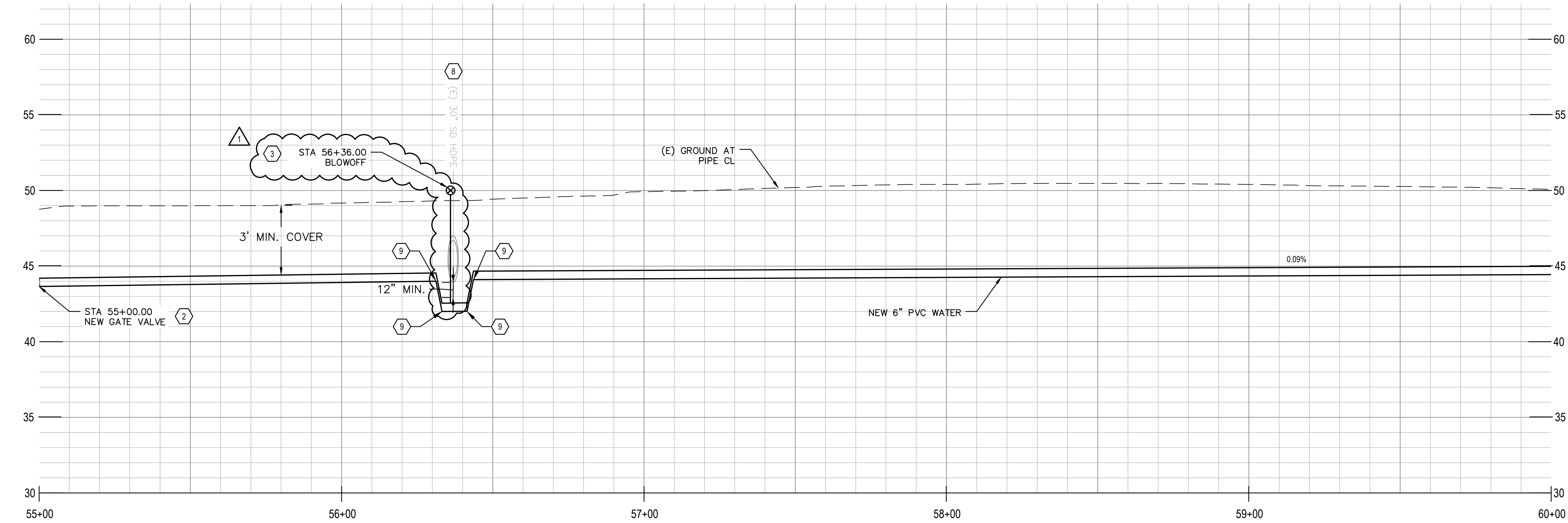
FILENAME: N:\US\EUREKA\PROJECTS\161\2639894\DIGITAL_DESIGN\ACAD 2020\SHEETS\1639894-GHD-0000-DWG-C-108.DWG (C-109)



APPROVED:
 DATE: March 7, 2025
 ANN MADER STILLMAN,
 DIRECTOR OF PUBLIC WORKS
 R. C. E. # 47882



PLAN
 SCALE 1"=20'



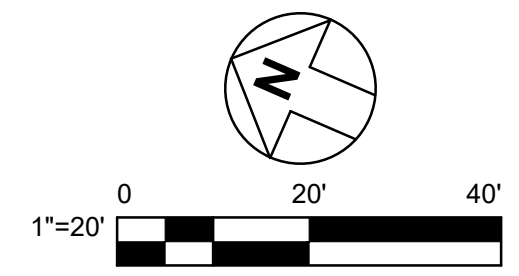
PROFILE
 SCALE 1"=20' HZ, 1"=4' VT

SHEET KEYNOTES

1. CONNECT TO EX 6" WATER MAIN WITH RESTRAINED COUPLING. VERIFY LOCATION OF TERMINUS OF 6" MAIN.
2. (N) 6" GATE VALVE PER DETAIL 1/C-501.
3. (N) BLOW OFF PER DETAIL 4/C-501.
4. (N) 6" PVC WATER MAIN.
5. REMOVE (E) 4" PVC WATER MAIN.
6. (N) 90 DEGREE ELBOW PER DETAIL 7/C-501.
7. (N) WATER METER W/ BYPASS PER DETAIL 1/C-503.
8. UTILITY CROSSING PER DETAIL 1/C-502.
9. INSTALL VERTICAL FITTING WITH RESTRAINED JOINTS.
10. (N) 45 DEGREE ELBOW.
11. (N) 11.25 DEGREE ELBOW.
12. (N) AIR RELEASE VALVE PER DETAIL 2/C-502.
13. REMOVE (E) WATER VALVE.
14. RECONNECT (E) WATER SERVICE LATERAL. CONTRACTOR TO FIELD VERIFY LOCATION OF EXISTING METER BOX AND LENGTH OF NEW SERVICE LINE NEEDED.
15. (N) 6" DIP WATER MAIN.
16. (N) CULVERT CROSSING PER DETAIL 3/C-503.
17. (N) SERVICE METER VAULT PER DETAIL 4/C-502.
18. (N) 4" PVC WATER SERVICE.
19. CONNECT TO (E) 4" WATER AT SCHOOL VIA TAPPING SLEEVE PER DETAIL 2/C-501.
20. (N) 6" X 6" X 6" TEE.
21. (N) 6" X 6" X 4" TEE.
22. CUT AND CAP (E) WATER MAIN PER DETAIL 5/C-501.
23. (N) 6" FIRE HYDRANT, LATERAL AND VALVE ASSEMBLY PER DETAIL 3/C-501.
24. (N) BACKFLOW PREVENTION DEVICE PER DETAIL 4/C-503.
25. (N) 4" GATE VALVE PER DETAIL 1/C-501.

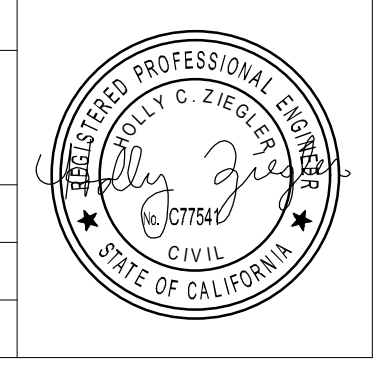
RESTORATION LEGEND

- SLURRY SEAL PER COUNTY STANDARD DETAIL W-10
- PROVIDE STRIPING PER SPECIFIED DETAIL NUMBER ON SHEETS A20A TO A20E OF CALTRANS STANDARD PLANS 2018



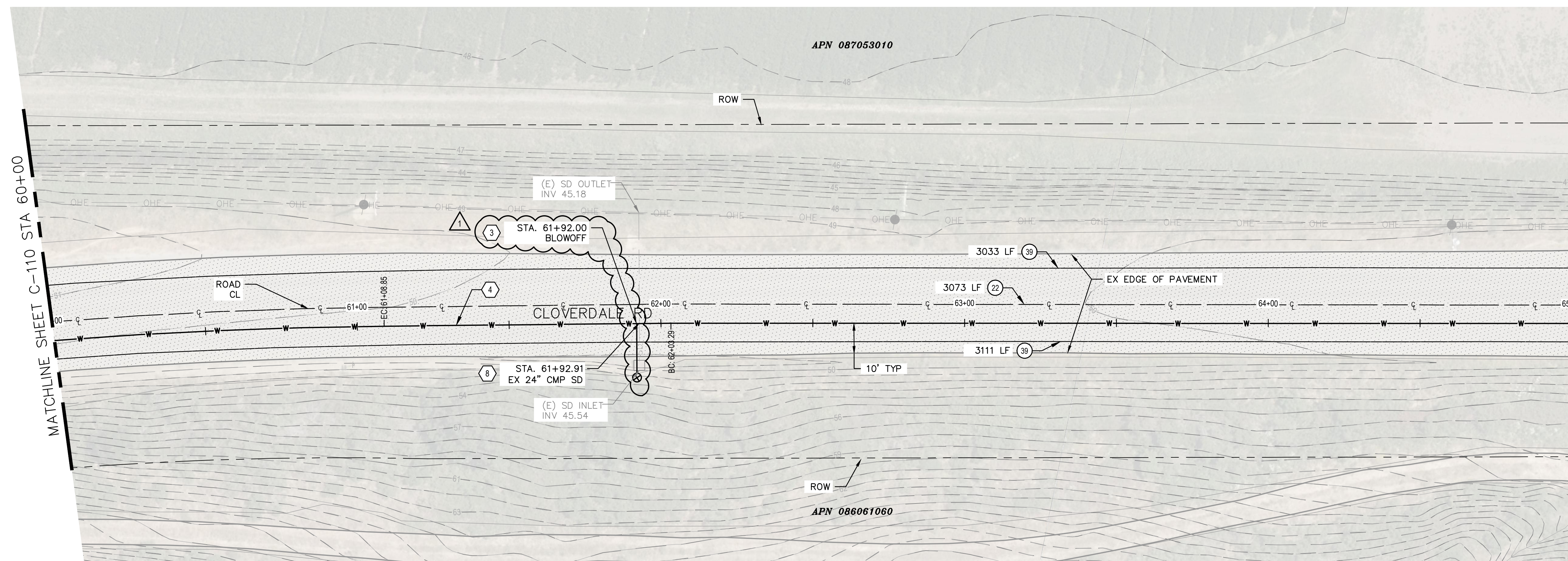
CONTRACTOR'S NOTE:
 USE EXTREME CAUTION WHEN WORKING DUE TO
 LOW OVERHEAD UTILITY LINES.

APPROVED DATE:
 HOLLY ZIEGLER
 GHD, Inc.
 R.C.E. # 77541 / EXPIRES 06-30-2025

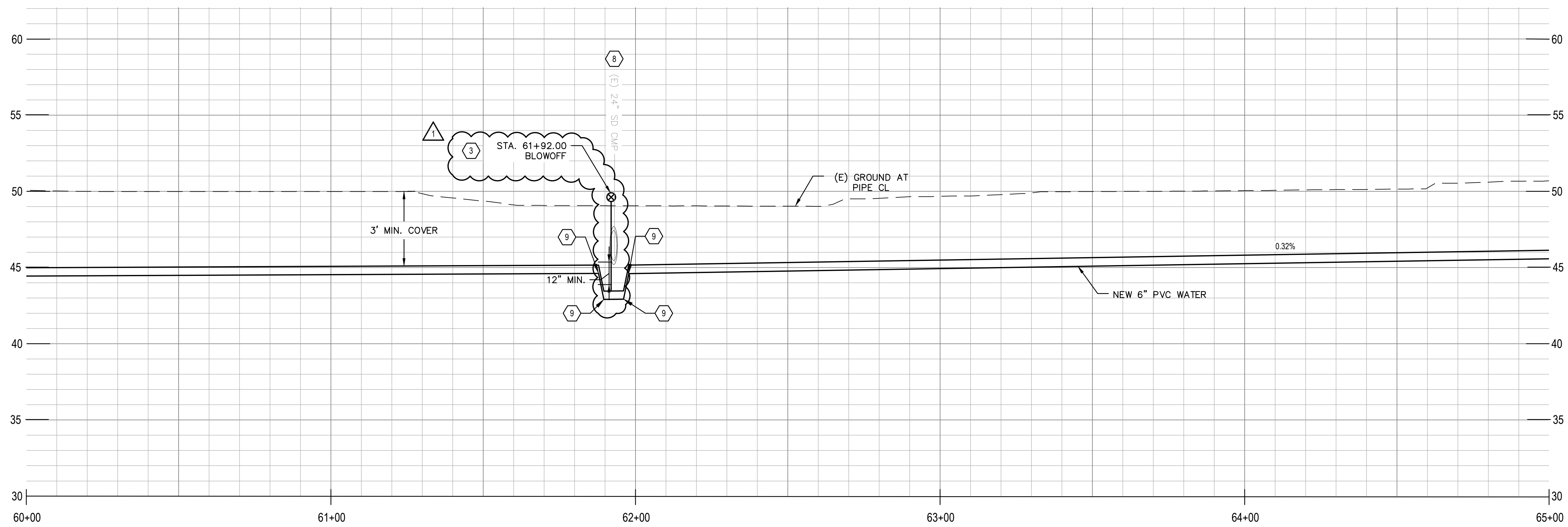


DESIGNED BY: RR	COUNTY OF SAN MATEO	SCALE: AS SHOWN
CHECKED BY: HC	CSA 11 WATER LINE EXTENSION	DATE: 4/28/2025
DRAWN BY: RR	CLOVERDALE RD - PLAN AND PROFILE STA 55+00 TO 60+00	FILE NO.: 1/5104
ADD. 1	04/28/2025	ANN MADER STILLMAN, DIRECTOR OF PUBLIC WORKS COUNTY SAN MATEO
REVISION	DATE	555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063
FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES		C-110 SHEET 14 OF 26

FILENAME: N:\US\UREKA\PROJECTS\161\12639894\DIGITAL_DESIGN\ACAD 2020\SHEETS\12639894-GHD-0000-DWG-C-110.DWG (C-110)



PLAN
SCALE 1"=20'



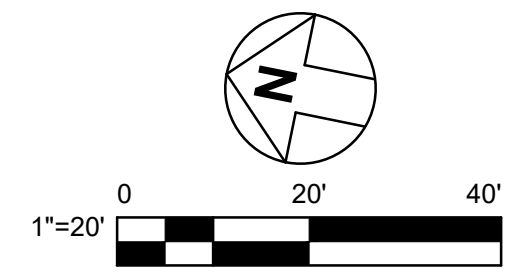
PROFILE
SCALE 1"=20' HZ, 1"=4' VT



APPROVED:
DATE: March 7, 2025
ANN MADER STILLMAN,
DIRECTOR OF PUBLIC WORKS
R. C. E. # 47882

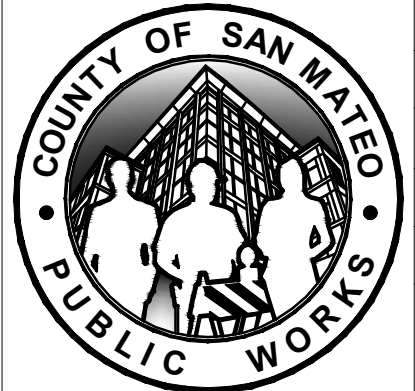
- SHEET KEYNOTES**
- CONNECT TO EX 6" WATER MAIN WITH RESTRAINED COUPLING. VERIFY LOCATION OF TERMINUS OF 6" MAIN.
 - (N) 6" GATE VALVE PER DETAIL 1/C-501.
 - (N) BLOW OFF PER DETAIL 4/C-501.
 - (N) 6" PVC WATER MAIN.
 - REMOVE (E) 4" PVC WATER MAIN.
 - (N) 90 DEGREE ELBOW PER DETAIL 7/C-501.
 - (N) WATER METER W/ BYPASS PER DETAIL 1/C-503.
 - UTILITY CROSSING PER DETAIL 1/C-502.
 - INSTALL VERTICAL FITTING WITH RESTRAINED JOINTS.
 - (N) 45 DEGREE ELBOW.
 - (N) 11.25 DEGREE ELBOW.
 - (N) AIR RELEASE VALVE PER DETAIL 2/C-502.
 - REMOVE (E) WATER VALVE.
 - RECONNECT (E) WATER SERVICE LATERAL. CONTRACTOR TO FIELD VERIFY LOCATION OF EXISTING METER BOX AND LENGTH OF NEW SERVICE LINE NEEDED.
 - (N) 6" DIP WATER MAIN.
 - (N) CULVERT CROSSING PER DETAIL 3/C-503.
 - (N) SERVICE METER VAULT PER DETAIL 4/C-502.
 - (N) 4" PVC WATER SERVICE.
 - CONNECT TO (E) 4" WATER AT SCHOOL VIA TAPPING SLEEVE PER DETAIL 2/C-501.
 - (N) 6" X 6" X 6" TEE.
 - (N) 6" X 6" X 4" TEE.
 - CUT AND CAP (E) WATER MAIN PER DETAIL 5/C-501.
 - (N) 6" FIRE HYDRANT, LATERAL AND VALVE ASSEMBLY PER DETAIL 3/C-501.
 - (N) BACKFLOW PREVENTION DEVICE PER DETAIL 4/C-503.
 - (N) 4" GATE VALVE PER DETAIL 1/C-501.

- RESTORATION LEGEND**
- SLURRY SEAL PER COUNTY STANDARD DETAIL W-10
 - PROVIDE STRIPING PER SPECIFIED DETAIL NUMBER ON SHEETS A20A TO A20E OF CALTRANS STANDARD PLANS 2018



CONTRACTOR'S NOTE:
USE EXTREME CAUTION WHEN WORKING DUE TO
LOW OVERHEAD UTILITY LINES.

APPROVED DATE:
HOLLY ZIEGLER
GHD, Inc.
R.C.E. # 77541 / EXPIRES 06-30-2025

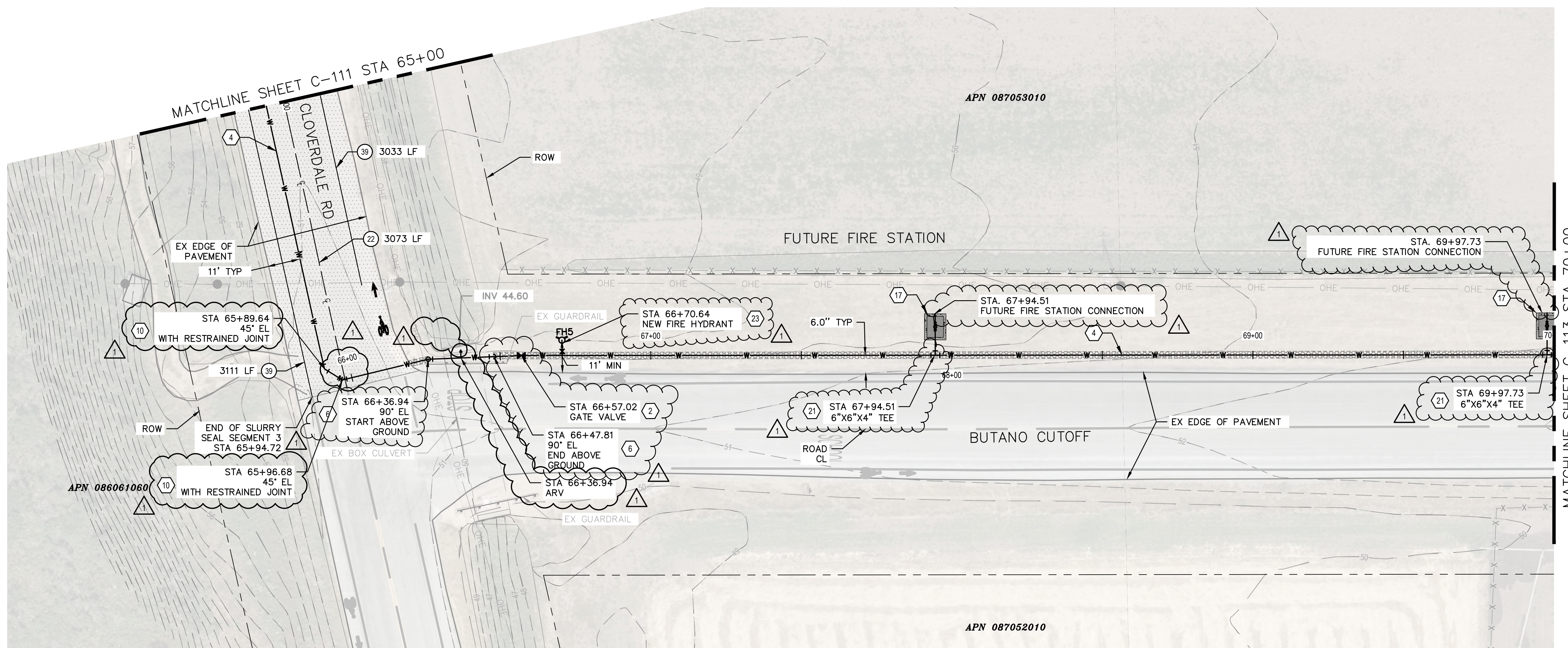


DESIGNED BY: RR		COUNTY OF SAN MATEO		SCALE: AS SHOWN
CHECKED BY: HC		CSA 11 WATER LINE EXTENSION		DATE: 4/28/2025
DRAWN BY: RR		CLOVERDALE RD - PLAN AND PROFILE STA 60+00 TO 65+00		FILE NO.: 1/5104
ADD. 1	04/28/2025	ANN MADER STILLMAN, DIRECTOR OF PUBLIC WORKS COUNTY SAN MATEO		555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063
REVISION	DATE			
FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES				
				C-111 SHEET 15 OF 26

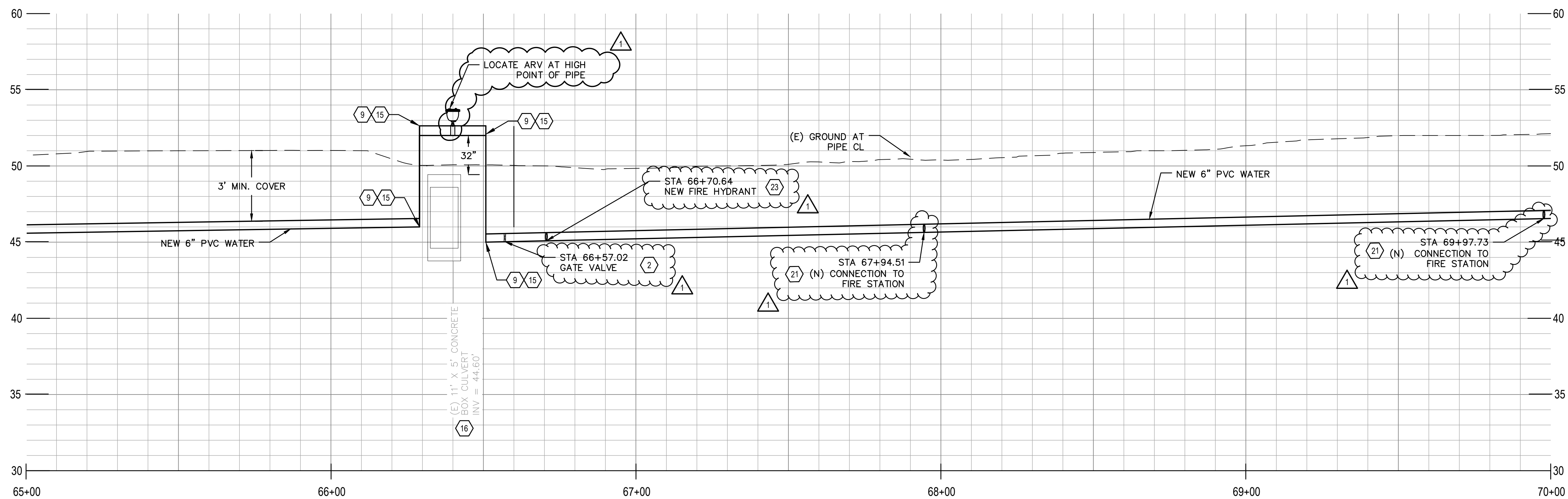
FILENAME: N:\S\LEUREKA\PROJECTS\161\2639894\DIGITAL_DESIGN\ACAD 2020\SHEETS\1639894-GHD-0000-DWG-C-111.DWG (C-111)



APPROVED:
 DATE: March 7, 2025
 ANN MADER STILLMAN,
 DIRECTOR OF PUBLIC WORKS
 R. C. E. # 47882



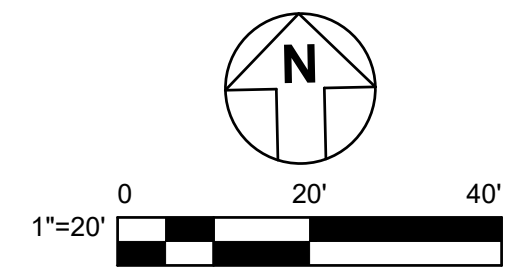
PLAN
 SCALE 1"=20'



PROFILE
 SCALE 1"=20' HZ, 1"=4' VT

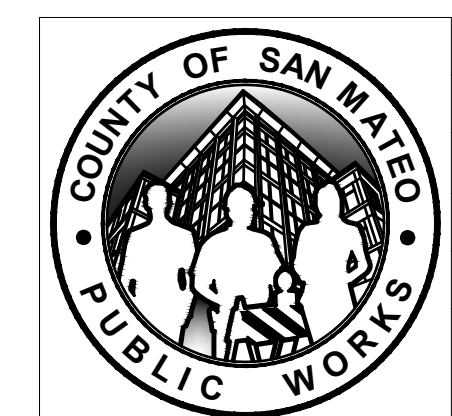
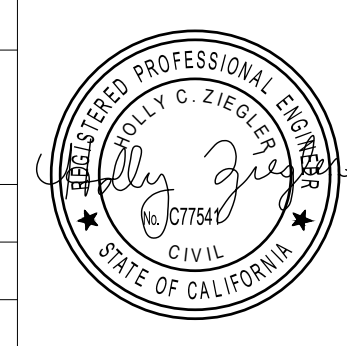
- SHEET KEYNOTES**
- CONNECT TO EX 6" WATER MAIN WITH RESTRAINED COUPLING. VERIFY LOCATION OF TERMINUS OF 6" MAIN.
 - (N) 6" GATE VALVE PER DETAIL 1/C-501.
 - (N) BLOW OFF PER DETAIL 4/C-501.
 - (N) 6" PVC WATER MAIN.
 - REMOVE (E) 4" PVC WATER MAIN.
 - (N) 90 DEGREE ELBOW PER DETAIL 7/C-501.
 - (N) WATER METER W/ BYPASS PER DETAIL 1/C-503.
 - UTILITY CROSSING PER DETAIL 1/C-502.
 - INSTALL VERTICAL FITTING WITH RESTRAINED JOINTS.
 - (N) 45 DEGREE ELBOW.
 - (N) 11.25 DEGREE ELBOW.
 - (N) AIR RELEASE VALVE PER DETAIL 2/C-502.
 - REMOVE (E) WATER VALVE.
 - RECONNECT (E) WATER SERVICE LATERAL. CONTRACTOR TO FIELD VERIFY LOCATION OF EXISTING METER BOX AND LENGTH OF NEW SERVICE LINE NEEDED.
 - (N) 6" DIP WATER MAIN.
 - (N) CULVERT CROSSING PER DETAIL 3/C-503.
 - (N) SERVICE METER VAULT PER DETAIL 4/C-502.
 - (N) 4" PVC WATER SERVICE.
 - CONNECT TO (E) 4" WATER AT SCHOOL VIA TAPPING SLEEVE PER DETAIL 2/C-501.
 - (N) 6" X 6" X 6" TEE.
 - (N) 6" X 6" X 4" TEE.
 - CUT AND CAP (E) WATER MAIN PER DETAIL 5/C-501.
 - (N) 6" FIRE HYDRANT, LATERAL AND VALVE ASSEMBLY PER DETAIL 3/C-501.
 - (N) BACKFLOW PREVENTION DEVICE PER DETAIL 4/C-503.
 - (N) 4" GATE VALVE PER DETAIL 1/C-501.

- RESTORATION LEGEND**
- 6" CLASS 2 AGGREGATE BASE - AB (CL. 2) (GRAVEL)
 - SLURRY SEAL PER COUNTY STANDARD DETAIL W-10
 - PROVIDE STRIPING PER SPECIFIED DETAIL NUMBER ON SHEETS A20A TO A20E OF CALTRANS STANDARD PLANS 2018
 - PAVEMENT MARKERS BIKE LANE ARROW PER DETAIL A24A AND BIKE LANE SYMBOL PER DETAIL A24C OF CALTRANS STANDARD PLANS 2018



CONTRACTOR'S NOTE:
 USE EXTREME CAUTION WHEN WORKING DUE TO LOW OVERHEAD UTILITY LINES.

APPROVED DATE:
 HOLLY ZIEGLER
 GHD, Inc.
 R.C.E. # 77541 / EXPIRES 06-30-2025



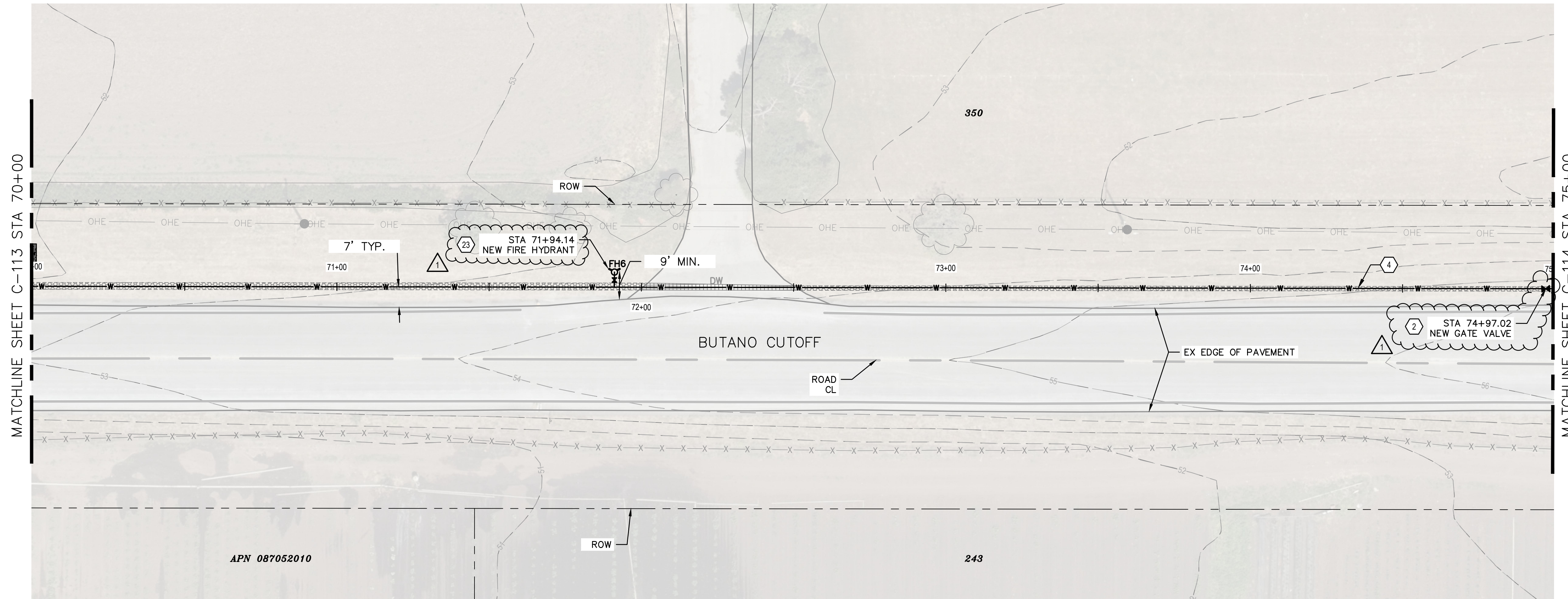
DESIGNED BY: RR	COUNTY OF SAN MATEO	SCALE: AS SHOWN
CHECKED BY: HC	CSA 11 WATER LINE EXTENSION	DATE: 4/29/2025
DRAWN BY: RR	BUTANO CUTOFF - PLAN AND PROFILE STA 65+00 TO 70+00	FILE NO.: 1/5104
ADD. 1	ANN MADER STILLMAN, DIRECTOR OF PUBLIC WORKS COUNTY SAN MATEO	555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063
REVISION	DATE	
	04/28/2025	

FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES

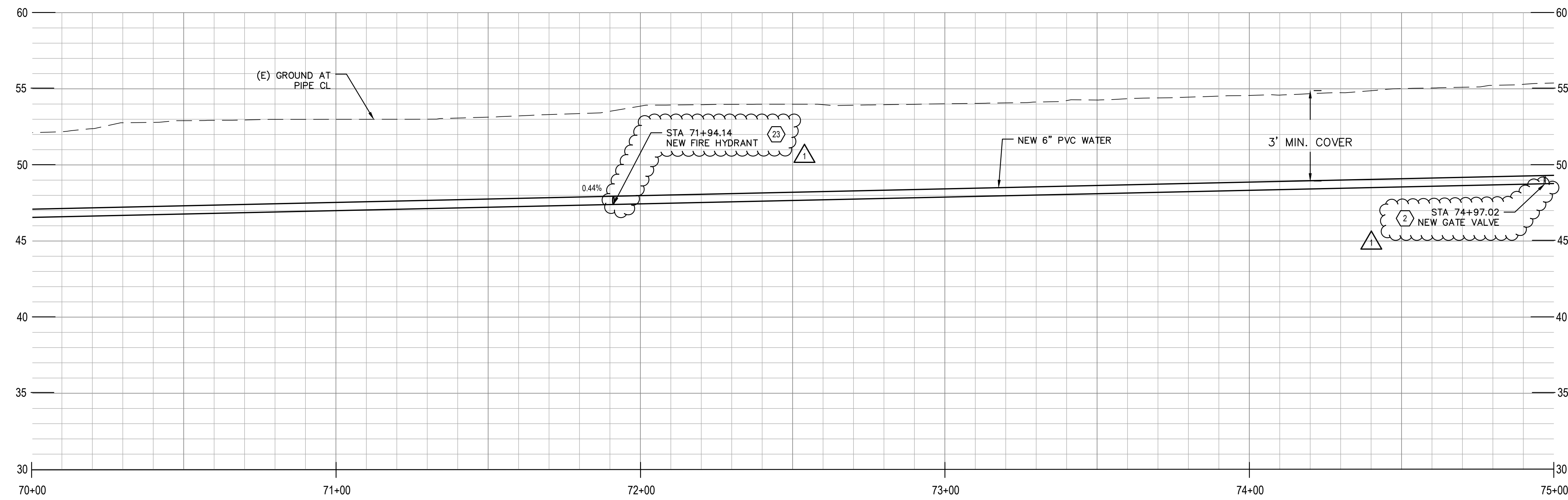
FILENAME: \\GHDNET\GHD\US\UREKA\PROJECTS\561\2639894\DIGITAL_DESIGN\CADD\2020\SHEETS\2639894-GHD-0000-DWG-C-112.DWG (C-112)



APPROVED:
 DATE: March 7, 2025
 ANN MADER STILLMAN,
 DIRECTOR OF PUBLIC WORKS
 R. C. E. # 47882



PLAN
 SCALE 1"=20'



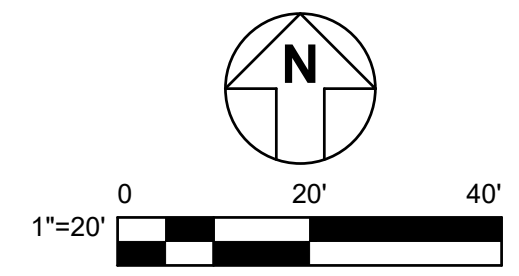
PROFILE
 SCALE 1"=20' HZ, 1"=4' VT

SHEET KEYNOTES

1. CONNECT TO EX 6" WATER MAIN WITH RESTRAINED COUPLING. VERIFY LOCATION OF TERMINUS OF 6" MAIN.
2. (N) 6" GATE VALVE PER DETAIL 1/C-501.
3. (N) BLOW OFF PER DETAIL 4/C-501.
4. (N) 6" PVC WATER MAIN.
5. REMOVE (E) 4" PVC WATER MAIN.
6. (N) 90 DEGREE ELBOW PER DETAIL 7/C-501.
7. (N) WATER METER W/ BYPASS PER DETAIL 1/C-503.
8. UTILITY CROSSING PER DETAIL 1/C-502.
9. INSTALL VERTICAL FITTING WITH RESTRAINED JOINTS.
10. (N) 45 DEGREE ELBOW.
11. (N) 11.25 DEGREE ELBOW.
12. (N) AIR RELEASE VALVE PER DETAIL 2/C-502.
13. REMOVE (E) WATER VALVE.
14. RECONNECT (E) WATER SERVICE LATERAL. CONTRACTOR TO FIELD VERIFY LOCATION OF EXISTING METER BOX AND LENGTH OF NEW SERVICE LINE NEEDED.
15. (N) 6" DIP WATER MAIN.
16. (N) CULVERT CROSSING PER DETAIL 3/C-503.
17. (N) SERVICE METER VAULT PER DETAIL 4/C-502.
18. (N) 4" PVC WATER SERVICE.
19. CONNECT TO (E) 4" WATER AT SCHOOL VIA TAPPING SLEEVE PER DETAIL 2/C-501.
20. (N) 6" X 6" X 6" TEE.
21. (N) 6" X 6" X 4" TEE.
22. CUT AND CAP (E) WATER MAIN PER DETAIL 5/C-501.
23. (N) 6" FIRE HYDRANT, LATERAL AND VALVE ASSEMBLY PER DETAIL 3/C-501.
24. (N) BACKFLOW PREVENTION DEVICE PER DETAIL 4/C-503.
25. (N) 4" GATE VALVE PER DETAIL 1/C-501.

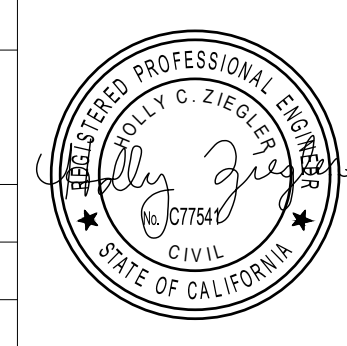
RESTORATION LEGEND

- 6" CLASS 2 AGGREGATE BASE
- AB (CL. 2) (GRAVEL)
- AC PAVEMENT TRENCH RESTORATION



CONTRACTOR'S NOTE:
 USE EXTREME CAUTION WHEN WORKING DUE TO
 LOW OVERHEAD UTILITY LINES.

APPROVED DATE:
 HOLLY ZIEGLER
 GHD, Inc.
 R.C.E. # 77541 / EXPIRES 06-30-2025

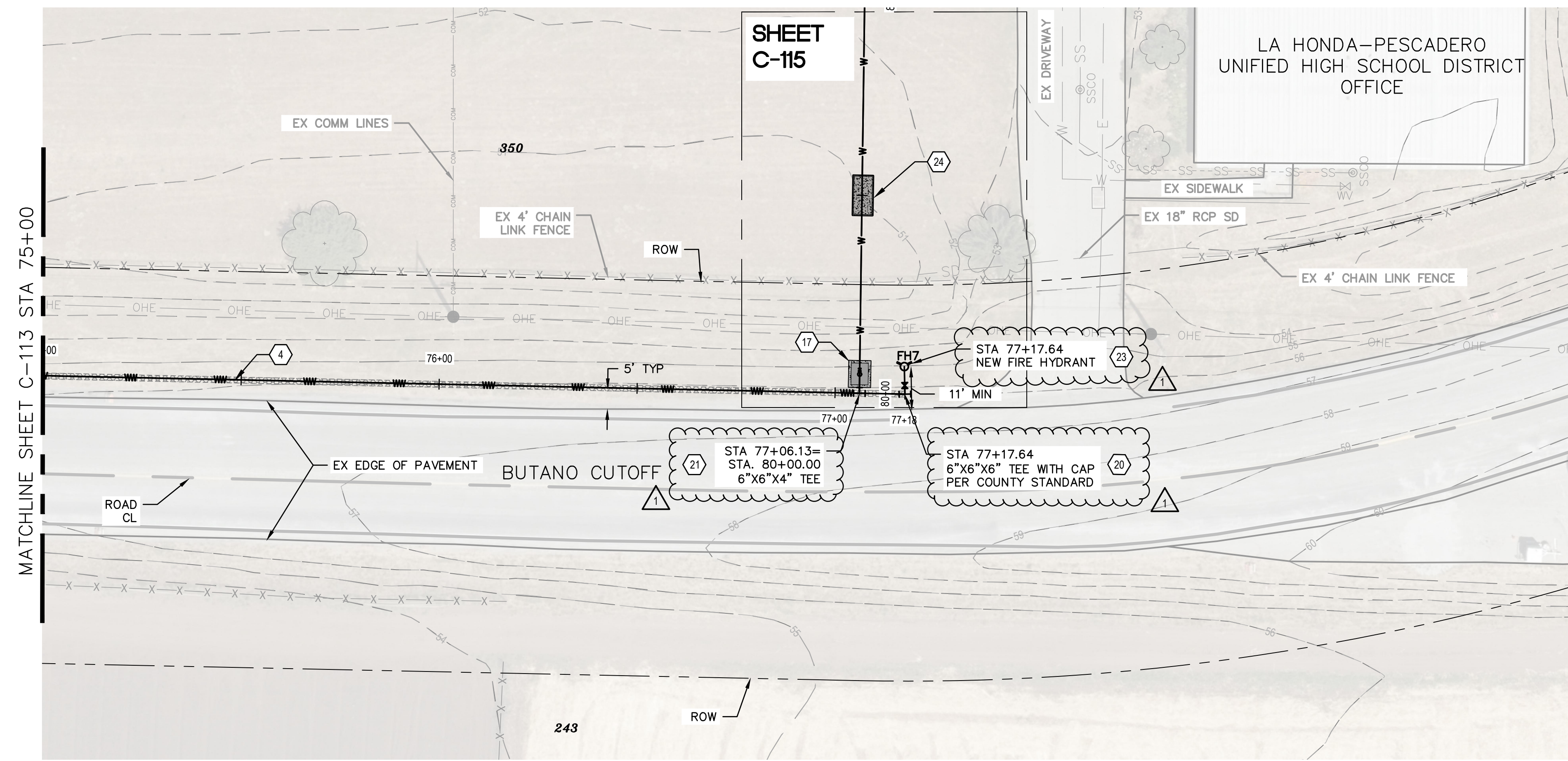


DESIGNED BY: RR		COUNTY OF SAN MATEO		SCALE: AS SHOWN
CHECKED BY: HC		CSA 11 WATER LINE EXTENSION		DATE: 4/28/2025
DRAWN BY: RR		BUTANO CUTOFF - PLAN AND PROFILE STA 70+00 TO 75+00		FILE NO.: 1/5104
ADD. 1	04/28/2025	ANN MADER STILLMAN, DIRECTOR OF PUBLIC WORKS COUNTY SAN MATEO	555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063	
REVISION	DATE			
		FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES		

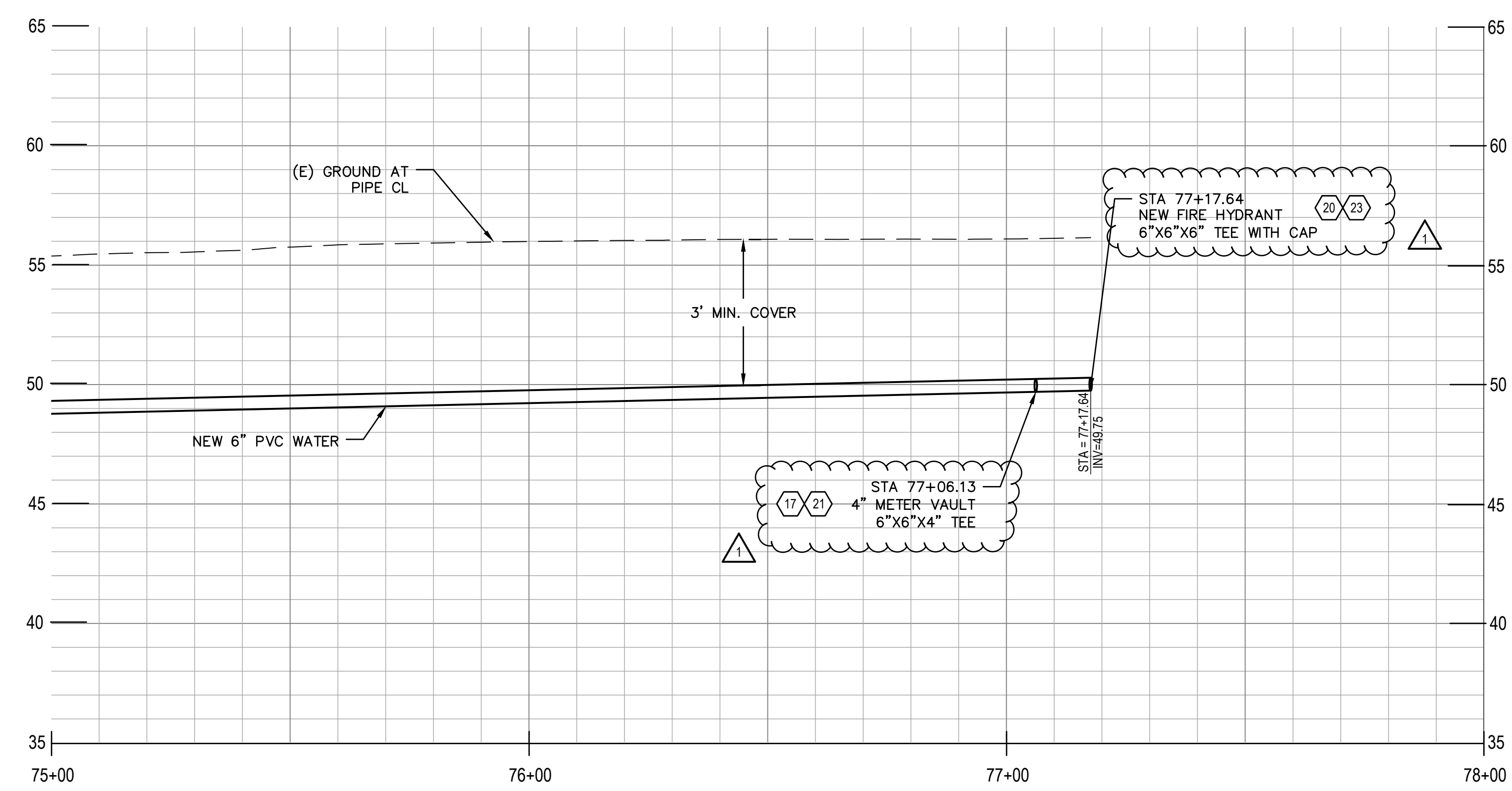
FILENAME: \\GHDNET\GHD\US\UREKA\PROJECTS\561\2639894\DIGITAL_DESIGN\ACAD 2020\SHEETS\2639894-GHD-0000-DWG-C-113.DWG (C-113)



APPROVED:
 DATE: March 7, 2025
 ANN MADER STILLMAN,
 DIRECTOR OF PUBLIC WORKS
 R. C. E. # 47882



PLAN
 SCALE 1"=20'



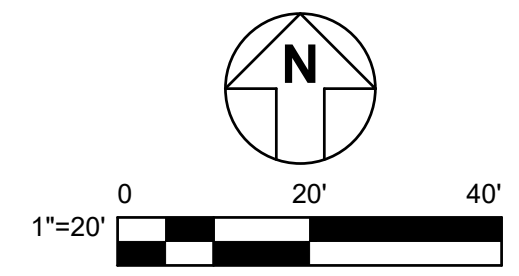
PROFILE
 SCALE 1"=20' HZ, 1"=4' VT

SHEET KEYNOTES

1. CONNECT TO EX 6" WATER MAIN WITH RESTRAINED COUPLING. VERIFY LOCATION OF TERMINUS OF 6" MAIN.
2. (N) 6" GATE VALVE PER DETAIL 1/C-501.
3. (N) BLOW OFF PER DETAIL 4/C-501.
4. (N) 6" PVC WATER MAIN.
5. REMOVE (E) 4" PVC WATER MAIN.
6. (N) 90 DEGREE ELBOW PER DETAIL 7/C-501.
7. (N) WATER METER W/ BYPASS PER DETAIL 1/C-503.
8. UTILITY CROSSING PER DETAIL 1/C-502.
9. INSTALL VERTICAL FITTING WITH RESTRAINED JOINTS.
10. (N) 45 DEGREE ELBOW.
11. (N) 11.25 DEGREE ELBOW.
12. (N) AIR RELEASE VALVE PER DETAIL 2/C-502.
13. REMOVE (E) WATER VALVE.
14. RECONNECT (E) WATER SERVICE LATERAL. CONTRACTOR TO FIELD VERIFY LOCATION OF EXISTING METER BOX AND LENGTH OF NEW SERVICE LINE NEEDED.
15. (N) 6" DIP WATER MAIN.
16. (N) CULVERT CROSSING PER DETAIL 3/C-503.
17. (N) SERVICE METER VAULT PER DETAIL 4/C-502.
18. (N) 4" PVC WATER SERVICE.
19. CONNECT TO (E) 4" WATER AT SCHOOL VIA TAPPING SLEEVE PER DETAIL 2/C-501.
20. (N) 6" X 6" X 6" TEE.
21. (N) 6" X 6" X 4" TEE.
22. CUT AND CAP (E) WATER MAIN PER DETAIL 5/C-501.
23. (N) 6" FIRE HYDRANT, LATERAL AND VALVE ASSEMBLY PER DETAIL 3/C-501.
24. (N) BACKFLOW PREVENTION DEVICE PER DETAIL 4/C-503.
25. (N) 4" GATE VALVE PER DETAIL 1/C-501.

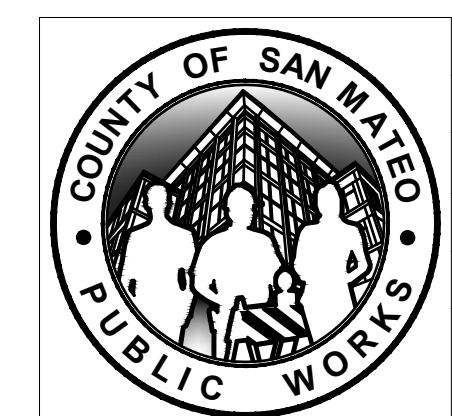
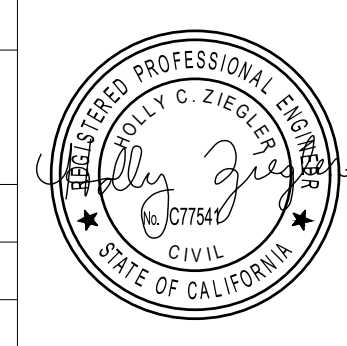
RESTORATION LEGEND

- 6" CLASS 2 AGGREGATE BASE
- AB (CL. 2) (GRAVEL)



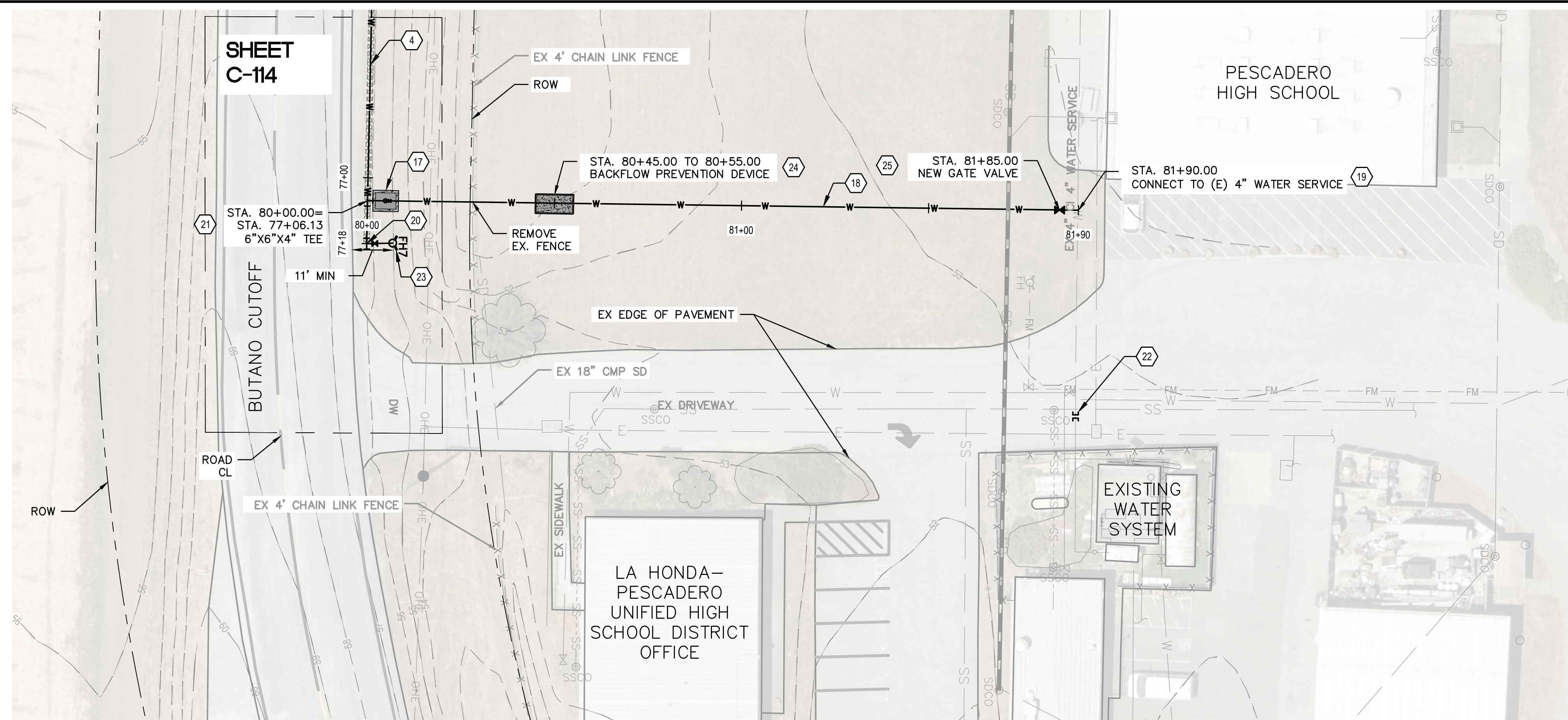
CONTRACTOR'S NOTE:
 USE EXTREME CAUTION WHEN WORKING DUE TO
 LOW OVERHEAD UTILITY LINES.

APPROVED DATE:
 HOLLY ZIEGLER
 GHD, Inc.
 R.C.E. # 77541 / EXPIRES 06-30-2025

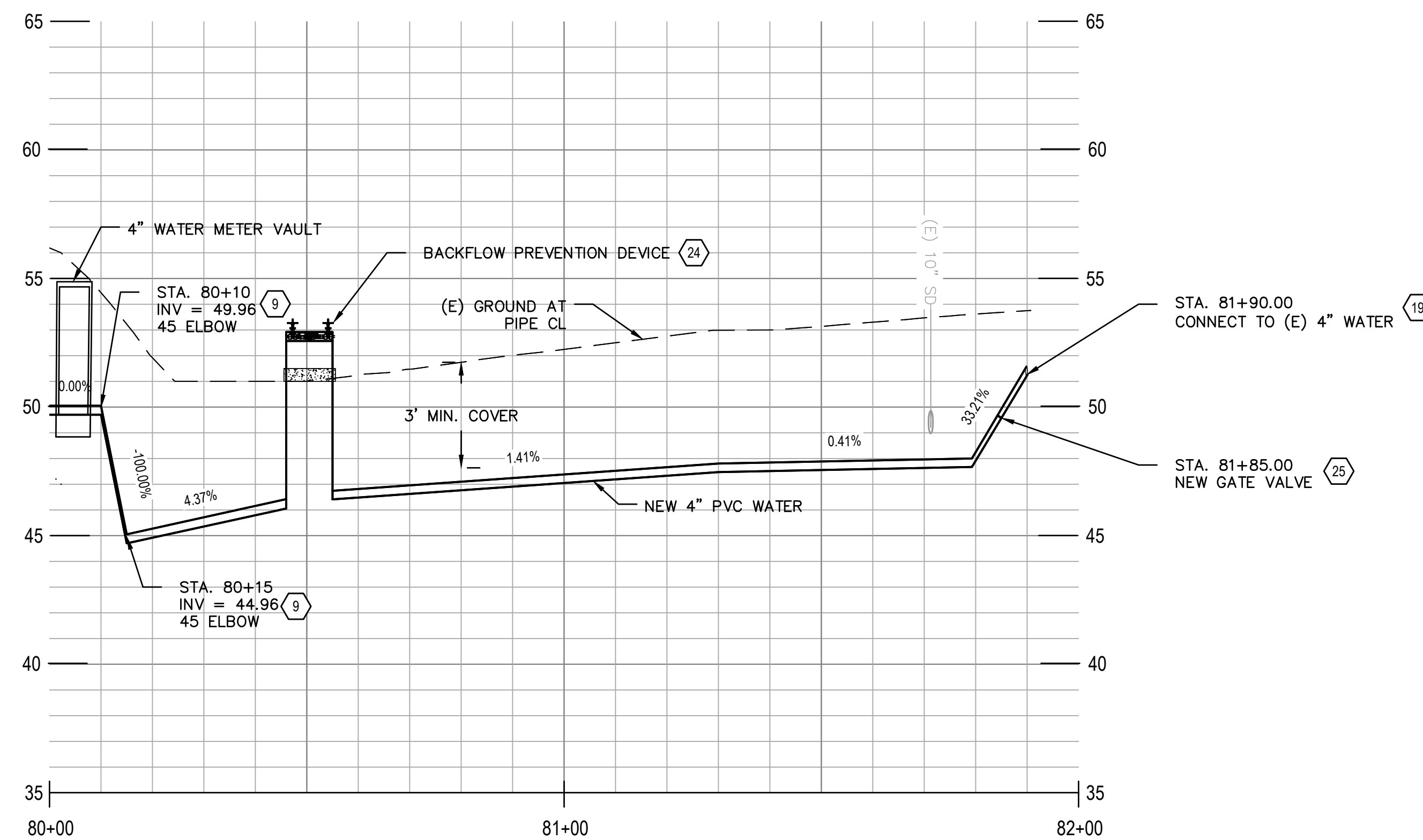


DESIGNED BY: RR		COUNTY OF SAN MATEO		SCALE: AS SHOWN
CHECKED BY: HC		CSA 11 WATER LINE EXTENSION		DATE: 4/29/2025
DRAWN BY: RR		BUTANO CUTOFF - PLAN AND PROFILE STA 75+00 TO 77+18		FILE NO.: 1/5104
ADD. 1	04/28/2025	ANN MADER STILLMAN, DIRECTOR OF PUBLIC WORKS COUNTY SAN MATEO		555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063
REVISION	DATE			
FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES				
				C-114 SHEET 18 OF 26

FILENAME: \\GHDNET\GHD\US\REURKA\PROJECTS\561\2639894\DIGITAL_DESIGN\ACAD 2020\SHEETS\2639894-GHD-0000-DWG-C-114.DWG (C-114)



PLAN
SCALE 1"=20'



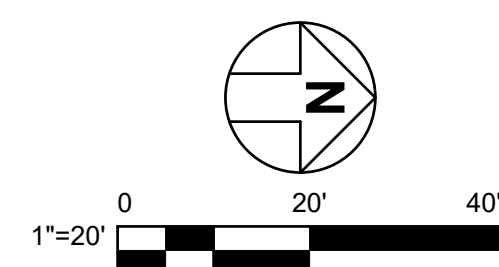
PROFILE
SCALE 1"=20' HZ, 1"=4' VT



APPROVED:
DATE: March 7, 2025
ANN MADER STILLMAN,
DIRECTOR OF PUBLIC WORKS
R. C. E. # 47882

NOTES:
COUNTY OF SAN MATEO SHALL APPROVE FINAL LOCATIONS FOR EXISTING SCHOOL DISTRIBUTION SYSTEM ISOLATION (CUT AND CAP, KEYNOTE 22)

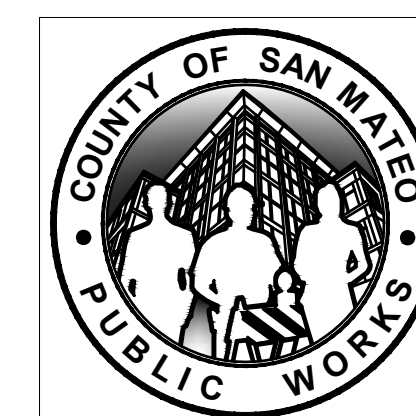
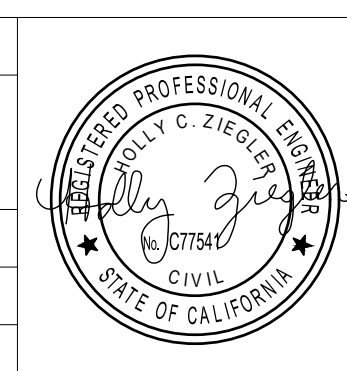
- SHEET KEYNOTES**
- CONNECT TO EX 6" WATER MAIN WITH RESTRAINED COUPLING. VERIFY LOCATION OF TERMINUS OF 6" MAIN.
 - (N) 6" GATE VALVE PER DETAIL 1/C-501.
 - (N) BLOW OFF PER DETAIL 4/C-501.
 - (N) 6" PVC WATER MAIN.
 - REMOVE (E) 4" PVC WATER MAIN.
 - (N) 90 DEGREE ELBOW PER DETAIL 7/C-501.
 - (N) WATER METER W/ BYPASS PER DETAIL 1/C-503.
 - UTILITY CROSSING PER DETAIL 1/C-502.
 - INSTALL VERTICAL FITTING WITH RESTRAINED JOINTS.
 - (N) 45 DEGREE ELBOW.
 - (N) 11.25 DEGREE ELBOW.
 - (N) AIR RELEASE VALVE PER DETAIL 2/C-502.
 - REMOVE (E) WATER VALVE.
 - RECONNECT (E) WATER SERVICE LATERAL. CONTRACTOR TO FIELD VERIFY LOCATION OF EXISTING METER BOX AND LENGTH OF NEW SERVICE LINE NEEDED.
 - (N) 6" DIP WATER MAIN.
 - (N) CULVERT CROSSING PER DETAIL 3/C-503.
 - (N) SERVICE METER VAULT PER DETAIL 4/C-502.
 - (N) 4" PVC WATER SERVICE.
 - CONNECT TO (E) 4" WATER AT SCHOOL VIA TAPPING SLEEVE PER DETAIL 2/C-501.
 - (N) 6" X 6" X 6" TEE.
 - (N) 6" X 6" X 4" TEE.
 - CUT AND CAP (E) WATER MAIN PER DETAIL 5/C-501.
 - (N) 6" FIRE HYDRANT, LATERAL AND VALVE ASSEMBLY PER DETAIL 3/C-501.
 - (N) BACKFLOW PREVENTION DEVICE PER DETAIL 4/C-503.
 - (N) 4" GATE VALVE PER DETAIL 1/C-501.
- RESTORATION LEGEND**
- 6" CLASS 2 AGGREGATE BASE
 - AB (CL. 2) (GRAVEL)



CONTRACTOR'S NOTE:
USE EXTREME CAUTION WHEN WORKING DUE TO LOW OVERHEAD UTILITY LINES.

APPROVED DATE:

HOLLY ZIEGLER
GHD, Inc.
R.C.E. # 77541 / EXPIRES 06-30-2025



DESIGNED BY: RR		COUNTY OF SAN MATEO		SCALE: AS SHOWN
CHECKED BY: HC		CSA 11 WATER LINE EXTENSION		DATE: 4/28/2025
DRAWN BY: RR		PESCADERO HS - PLAN AND PROFILE STA 80+00 TO 81+90		FILE NO.: 1/5104
ADD. 1	04/28/2025	ANN MADER STILLMAN, DIRECTOR OF PUBLIC WORKS COUNTY SAN MATEO	555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063	
REVISION	DATE			
FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES		0 1 2 3 4		C-115 SHEET 19 OF 26

FILENAME: \\GHDNET\GHD\US\EUREKA\PROJECTS\561\2639894\DIGITAL_DESIGN\ACAD 2020\SHEETS\2639894-GHD-0000-DWG-C-115.DWG (C-115)

SHEET
C-119

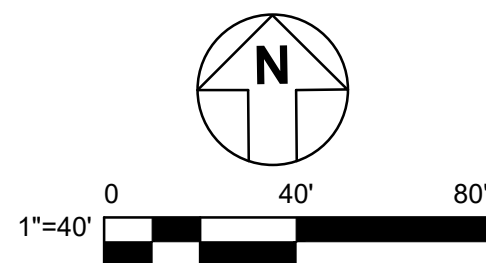
SHEET
C-118

SHEET
C-117



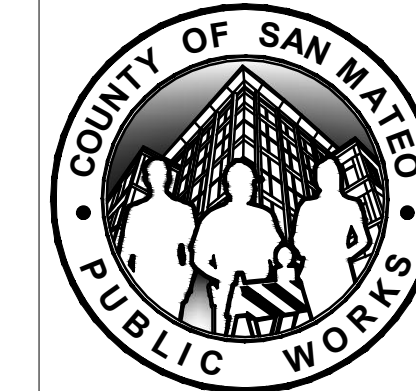
APPROVED:
 DATE: March 7, 2025
 ANN MADER STILLMAN,
 DIRECTOR OF PUBLIC WORKS
 R. C. E. # 47882

NOTES:
 COUNTY OF SAN MATEO SHALL APPROVE FINAL LOCATIONS
 FOR EXISTING SCHOOL DISTRIBUTION SYSTEM ISOLATION
 (CUT AND CAP, KEYNOTE 22)

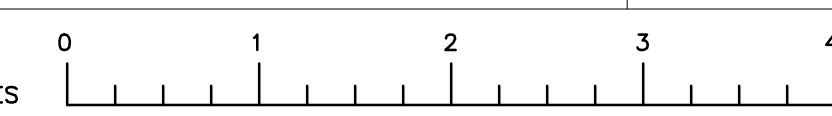


PLAN
 SCALE 1"=40'

APPROVED DATE:
 HOLLY ZIEGLER
 GHD, Inc.
 R.C.E. # 77541 / EXPIRES 06-30-2025



DESIGNED BY: RR	COUNTY OF SAN MATEO	SCALE: AS SHOWN
CHECKED BY: HC	CSA 11 WATER LINE EXTENSION	DATE: 4/28/2025
DRAWN BY: RR	PESCADERO HIGH SCHOOL - UTILITY PLAN INDEX	FILE NO.: 1/5104
ADD. 1	04/28/2025	ANN MADER STILLMAN, DIRECTOR OF PUBLIC WORKS COUNTY SAN MATEO
REVISION	DATE	555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063
FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES		C-116 SHEET 20 OF 26



FILENAME: N:\S\EUREKA\PROJECTS\161\2639894\DIGITAL_DESIGN\ACAD 2020\SHEETS\1639894-GHD-0000-DWG-C-116.DWG (20 PESCADERO HIGH SCHOOL - UTILITY PLAN INDEX)



APPROVED:
 DATE: March 7, 2025
 ANN MADER STILLMAN,
 DIRECTOR OF PUBLIC WORKS
 R. C. E. # 47882

FOR INFORMATION ONLY

NOTES:
 COUNTY OF SAN MATEO SHALL APPROVE FINAL LOCATIONS
 FOR EXISTING SCHOOL DISTRIBUTION SYSTEM ISOLATION
 (CUT AND CAP, KEYNOTE 22)

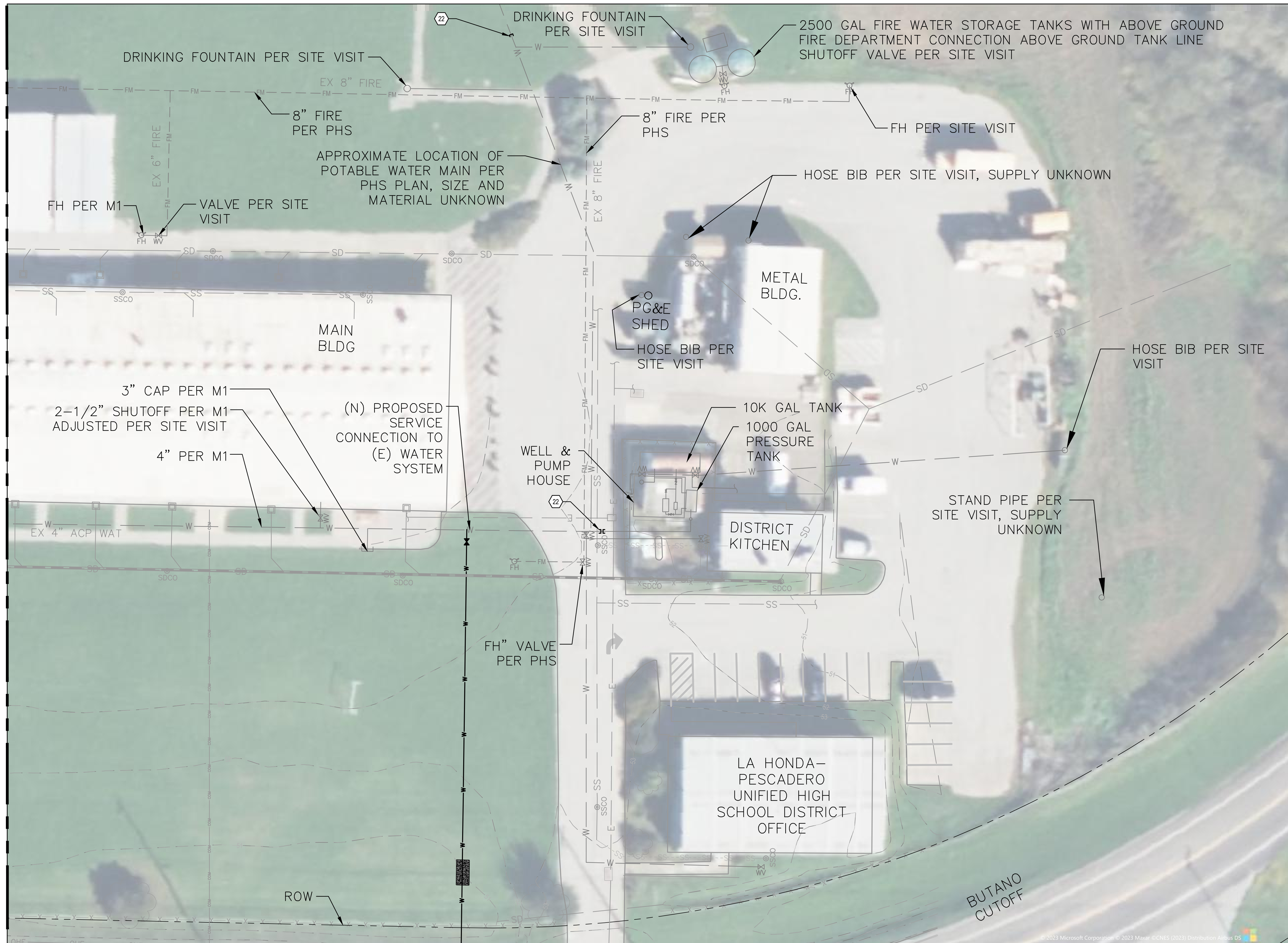
SHEET KEYNOTES

- CONNECT TO EX 6" WATER MAIN WITH RESTRAINED COUPLING. VERIFY LOCATION OF TERMINUS OF 6" MAIN.
- (N) 6" GATE VALVE PER DETAIL 1/C-501.
- (N) BLOW OFF PER DETAIL 4/C-501.
- (N) 6" PVC WATER MAIN.
- REMOVE (E) 4" PVC WATER MAIN.
- (N) 90 DEGREE ELBOW PER DETAIL 7/C-501.
- (N) WATER METER W/ BYPASS PER DETAIL 1/C-503.
- UTILITY CROSSING PER DETAIL 1/C-502.
- INSTALL VERTICAL FITTING WITH RESTRAINED JOINTS.
- (N) 45 DEGREE ELBOW.
- (N) 11.25 DEGREE ELBOW.
- (N) AIR RELEASE VALVE PER DETAIL 2/C-502.
- REMOVE (E) WATER VALVE.
- RECONNECT (E) WATER SERVICE LATERAL. CONTRACTOR TO FIELD VERIFY LOCATION OF EXISTING METER BOX AND LENGTH OF NEW SERVICE LINE NEEDED.
- (N) 6" DIP WATER MAIN.
- (N) CULVERT CROSSING PER DETAIL 3/C-503.
- (N) SERVICE METER VAULT PER DETAIL 4/C-502.
- (N) 4" PVC WATER SERVICE.
- CONNECT TO (E) 4" WATER AT SCHOOL VIA TAPPING SLEEVE PER DETAIL 2/C-501.
- (N) 6" X 6" X 6" TEE.
- (N) 6" X 6" X 4" TEE.
- CUT AND CAP (E) WATER MAIN PER DETAIL 5/C-501.
- (N) 6" FIRE HYDRANT, LATERAL AND VALVE ASSEMBLY PER DETAIL 3/C-501.
- (N) BACKFLOW PREVENTION DEVICE PER DETAIL 4/C-503.
- (N) 4" GATE VALVE PER DETAIL 1/C-501.

GENERAL NOTES

REFERENCES:
 "M1" - PESCADERO HIGH SCHOOL MECHANICAL PLOT PLAN DRAWING NUMBER M1 DATED JUNE 9, 1959 BY PETER KUMP, AIA, ARCHITECT
 "PHS" - PESCADERO HIGH SCHOOL UTILITY PLAN DRAWING C1.0 DATED SEPTEMBER 8, 2008 BY ZGPD PLANNING AND DESIGN
 "SITE VISIT" - SITE VISIT CONDUCTED ON MARCH 1, 2023

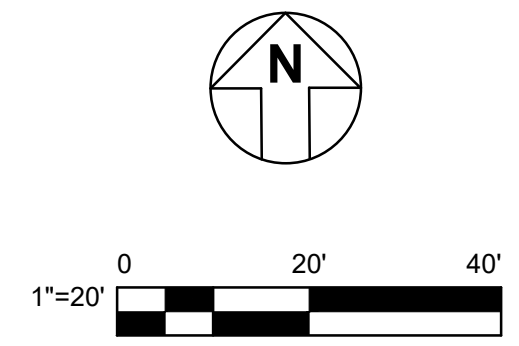
FINAL



MATCHLINE SHEET C-118

SHEET LINETYPE LEGEND		
--- FM ---	---	FIRE SERVICE
--- W ---	---	POTABLE WATER
--- SS ---	---	SANITARY SEWER
--- SD ---	---	STORM DRAIN

PLAN
 SCALE 1"=20'



APPROVED DATE:

HOLLY ZIEGLER
 GHD, Inc.
 R.C.E. # 77541 / EXPIRES 06-30-2025



DESIGNED BY: RR	DATE: 04/28/2025	ANN MADER STILLMAN, DIRECTOR OF PUBLIC WORKS COUNTY SAN MATEO	555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063	SCALE: AS SHOWN DATE: 4/28/2025 FILE NO.: 1/5104
CHECKED BY: HC	REVISION: ADD. 1	FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES		
DRAWN BY: RR	DATE:	C-117 SHEET 21 OF 26		

FILENAME: N:\S\EUREKA\PROJECTS\161\12639894\DIGITAL_DESIGN\ACAD 2020\SHEETS\12639894-GHD-0000-DWG-C-117.DWG (21 PESCADERO HIGH SCHOOL - UTILITY PLAN 1)

MATCHLINE SHEET C-119



APPROVED:
 DATE: March 7, 2025
 ANN MADER STILLMAN,
 DIRECTOR OF PUBLIC WORKS
 R. C. E. # 47882

FOR INFORMATION ONLY
 NOTES:
 COUNTY OF SAN MATEO SHALL APPROVE FINAL LOCATIONS FOR EXISTING SCHOOL DISTRIBUTION SYSTEM ISOLATION (CUT AND CAP, KEYNOTE 22)

- △ SHEET KEYNOTES
- CONNECT TO EX 6" WATER MAIN WITH RESTRAINED COUPLING. VERIFY LOCATION OF TERMINUS OF 6" MAIN.
 - (N) 6" GATE VALVE PER DETAIL 1/C-501.
 - (N) BLOW OFF PER DETAIL 4/C-501.
 - (N) 6" PVC WATER MAIN.
 - REMOVE (E) 4" PVC WATER MAIN.
 - (N) 90 DEGREE ELBOW PER DETAIL 7/C-501.
 - (N) WATER METER W/ BYPASS PER DETAIL 1/C-503.
 - UTILITY CROSSING PER DETAIL 1/C-502.
 - INSTALL VERTICAL FITTING WITH RESTRAINED JOINTS.
 - (N) 45 DEGREE ELBOW.
 - (N) 11.25 DEGREE ELBOW.
 - (N) AIR RELEASE VALVE PER DETAIL 2/C-502.
 - REMOVE (E) WATER VALVE.
 - RECONNECT (E) WATER SERVICE LATERAL. CONTRACTOR TO FIELD VERIFY LOCATION OF EXISTING METER BOX AND LENGTH OF NEW SERVICE LINE NEEDED.
 - (N) 6" DIP WATER MAIN.
 - (N) CULVERT CROSSING PER DETAIL 3/C-503.
 - (N) SERVICE METER VAULT PER DETAIL 4/C-502.
 - (N) 4" PVC WATER SERVICE.
 - CONNECT TO (E) 4" WATER AT SCHOOL VIA TAPPING SLEEVE PER DETAIL 2/C-501.
 - (N) 6" X 6" X 6" TEE.
 - (N) 6" X 6" X 4" TEE.
 - CUT AND CAP (E) WATER MAIN PER DETAIL 5/C-501.
 - (N) 6" FIRE HYDRANT, LATERAL AND VALVE ASSEMBLY PER DETAIL 3/C-501.
 - (N) BACKFLOW PREVENTION DEVICE PER DETAIL 4/C-503.
 - (N) 4" GATE VALVE PER DETAIL 1/C-501.

GENERAL NOTES

REFERENCES:

"M1" - PESCADERO HIGH SCHOOL MECHANICAL PLOT PLAN DRAWING NUMBER M1 DATED JUNE 9, 1959 BY PETER KUMP, AIA, ARCHITECT

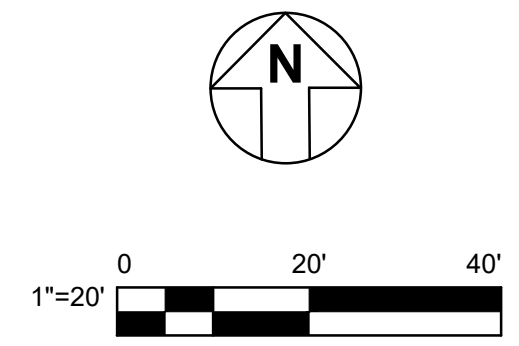
"PHS" - PESCADERO HIGH SCHOOL UTILITY PLAN DRAWING C1.0 DATED SEPTEMBER 8, 2008 BY ZGPD PLANNING AND DESIGN

"SITE VISIT" - SITE VISIT CONDUCTED ON MARCH 1, 2023

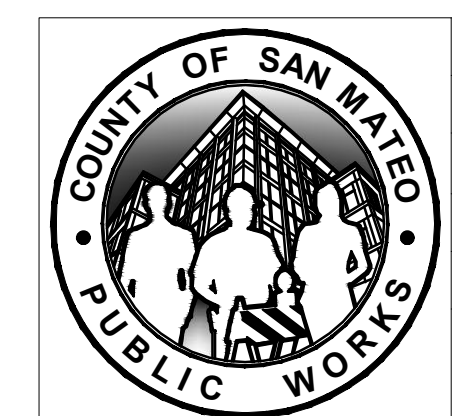
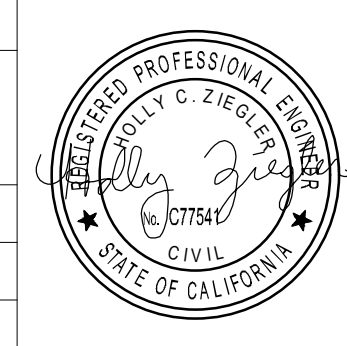
MATCHLINE SHEET C-117

PLAN
 SCALE 1"=20'

SHEET LINETYPE LEGEND	
--- FM ---	FIRE SERVICE
--- W ---	POTABLE WATER
--- SS ---	SANITARY SEWER
--- SD ---	STORM DRAIN



APPROVED DATE:
 HOLLY ZIEGLER
 GHD, Inc.
 R.C.E. # 77541 / EXPIRES 06-30-2025



DESIGNED BY: RR	COUNTY OF SAN MATEO	SCALE: AS SHOWN
CHECKED BY: HC	CSA 11 WATER LINE EXTENSION	DATE: 4/28/2025
DRAWN BY: RR	PESCADERO HIGH SCHOOL - UTILITY PLAN 2	FILE NO.: 1/5104
ADD. 1	ANN MADER STILLMAN, DIRECTOR OF PUBLIC WORKS COUNTY SAN MATEO	555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063
REVISION	DATE	
		0 1 2 3 4
	FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES	C-118 SHEET 22 OF 26

FILENAME: N:\S\EUREKA\PROJECTS\161\2639894\DIGITAL_DESIGN\ACAD 2020\SHEETS\1639894-GHD-0000-DWG-C-118.DWG (22 PESCADERO HIGH SCHOOL - UTILITY PLAN 2)



APPROVED:
 DATE: March 7, 2025
 ANN MADER STILLMAN,
 DIRECTOR OF PUBLIC WORKS
 R. C. E. # 47882

FOR INFORMATION ONLY

NOTES:
 COUNTY OF SAN MATEO SHALL APPROVE FINAL LOCATIONS
 FOR EXISTING SCHOOL DISTRIBUTION SYSTEM ISOLATION
 (CUT AND CAP, KEYNOTE 22)

SHEET KEYNOTES

1. CONNECT TO EX 6" WATER MAIN WITH RESTRAINED COUPLING. VERIFY LOCATION OF TERMINUS OF 6" MAIN.
2. (N) 6" GATE VALVE PER DETAIL 1/C-501.
3. (N) BLOW OFF PER DETAIL 4/C-501.
4. (N) 6" PVC WATER MAIN.
5. REMOVE (E) 4" PVC WATER MAIN.
6. (N) 90 DEGREE ELBOW PER DETAIL 7/C-501.
7. (N) WATER METER W/ BYPASS PER DETAIL 1/C-503.
8. UTILITY CROSSING PER DETAIL 1/C-502.
9. INSTALL VERTICAL FITTING WITH RESTRAINED JOINTS.
10. (N) 45 DEGREE ELBOW.
11. (N) 11.25 DEGREE ELBOW.
12. (N) AIR RELEASE VALVE PER DETAIL 2/C-502.
13. REMOVE (E) WATER VALVE.
14. RECONNECT (E) WATER SERVICE LATERAL. CONTRACTOR TO FIELD VERIFY LOCATION OF EXISTING METER BOX AND LENGTH OF NEW SERVICE LINE NEEDED.
15. (N) 6" DIP WATER MAIN.
16. (N) CULVERT CROSSING PER DETAIL 3/C-503.
17. (N) SERVICE METER VAULT PER DETAIL 4/C-502.
18. (N) 4" PVC WATER SERVICE.
19. CONNECT TO (E) 4" WATER AT SCHOOL VIA TAPPING SLEEVE PER DETAIL 2/C-501.
20. (N) 6" X 6" X 6" TEE.
21. (N) 6" X 6" X 4" TEE.
22. CUT AND CAP (E) WATER MAIN PER DETAIL 5/C-501.
23. (N) 6" FIRE HYDRANT, LATERAL AND VALVE ASSEMBLY PER DETAIL 3/C-501.
24. (N) BACKFLOW PREVENTION DEVICE PER DETAIL 4/C-503.
25. (N) 4" GATE VALVE PER DETAIL 1/C-501.

GENERAL NOTES

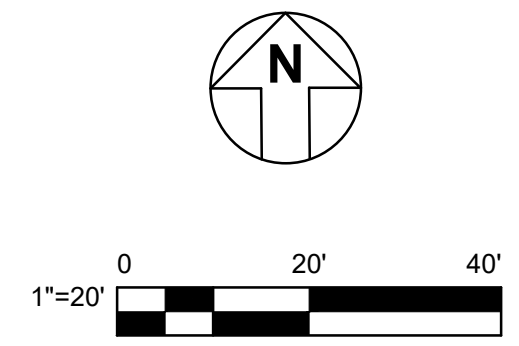
REFERENCES:
 "M1" - PESCADERO HIGH SCHOOL MECHANICAL PLOT PLAN DRAWING NUMBER M1 DATED JUNE 9, 1959 BY PETER KUMP, AIA, ARCHITECT
 "PHS" - PESCADERO HIGH SCHOOL UTILITY PLAN DRAWING C1.0 DATED SEPTEMBER 8, 2008 BY ZGPD PLANNING AND DESIGN
 "SITE VISIT" - SITE VISIT CONDUCTED ON MARCH 1, 2023



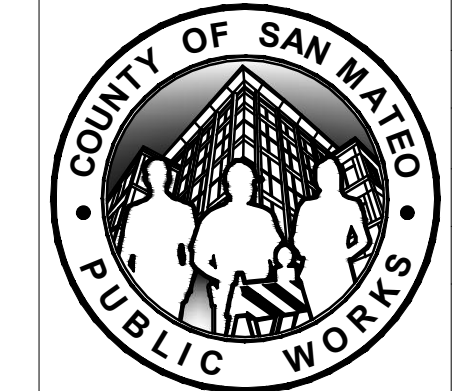
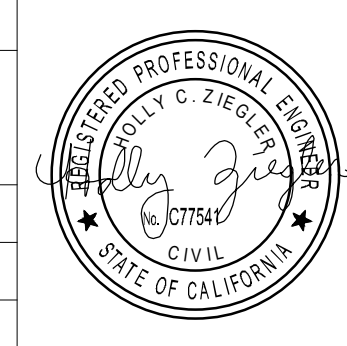
MATCHLINE SHEET C-118

PLAN
 SCALE 1"=20'

SHEET LINETYPE LEGEND	
— FM — — — — FM — — — —	FIRE SERVICE
— W — — — — —	POTABLE WATER
— SS — — — — —	SANITARY SEWER
— SD — — — — —	STORM DRAIN



APPROVED DATE:
 HOLLY ZIEGLER
 GHD, Inc.
 R.C.E. # 77541 / EXPIRES 06-30-2025

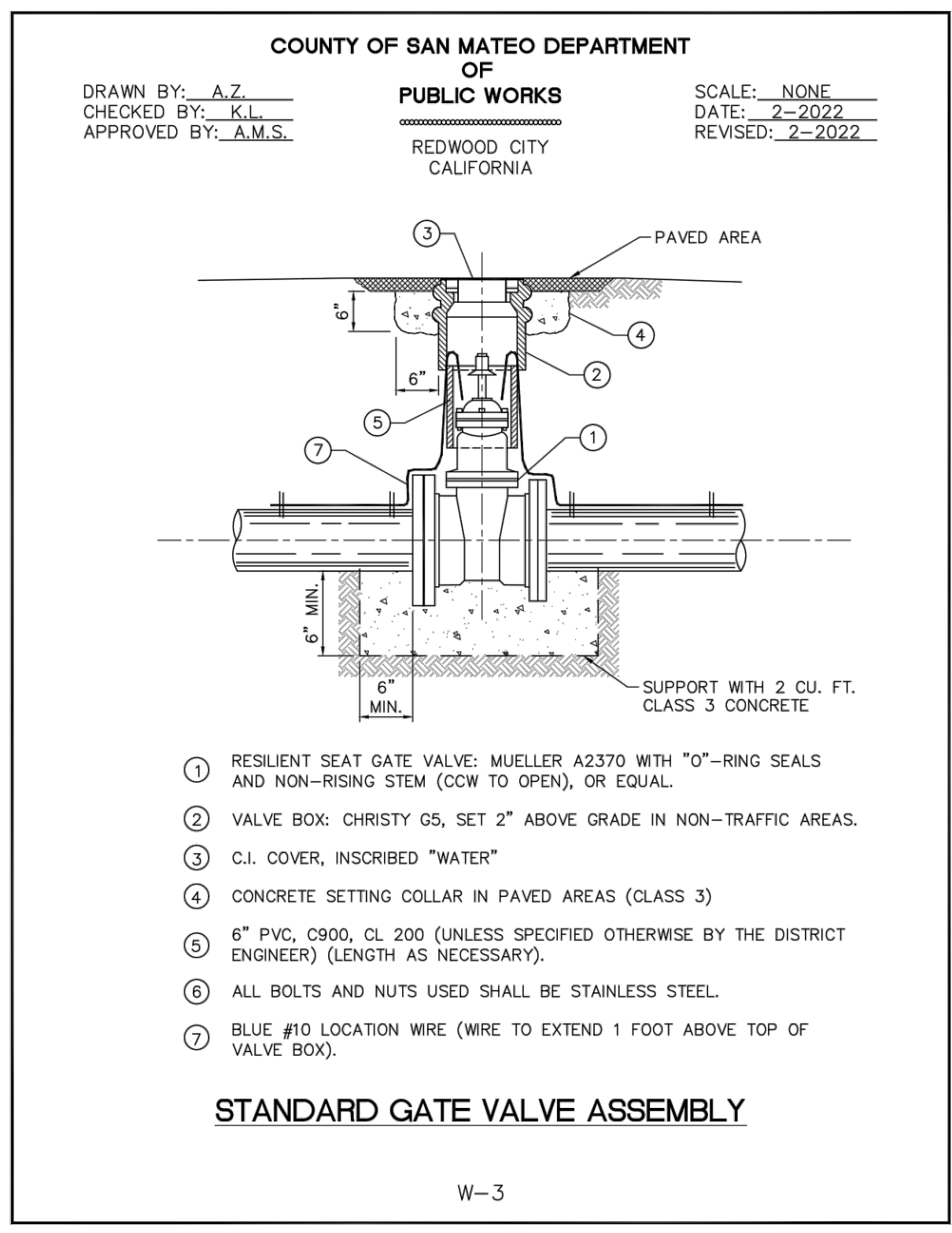


DESIGNED BY: RR		COUNTY OF SAN MATEO		SCALE: AS SHOWN
CHECKED BY: HC		CSA 11 WATER LINE EXTENSION		DATE: 4/28/2025
DRAWN BY: RR		PESCADERO HIGH SCHOOL - UTILITY PLAN 3		FILE NO.: 1/5104
ADD. 1	04/28/2025	ANN MADER STILLMAN, DIRECTOR OF PUBLIC WORKS COUNTY SAN MATEO	555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063	
REVISION	DATE			
FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES				
0 1 2 3 4				
				C-119 SHEET 23 OF 26

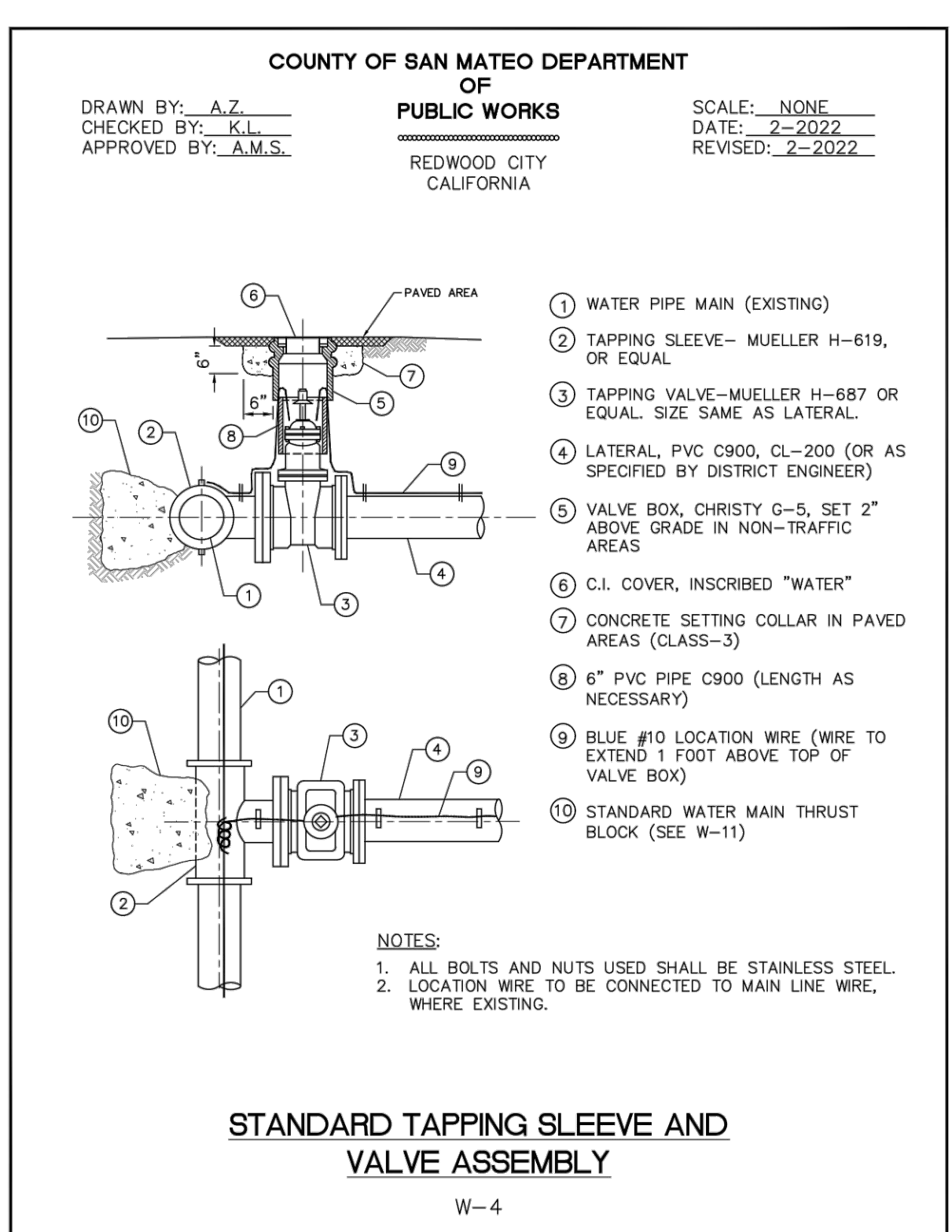
FILENAME: N:\S\EUREKA\PROJECTS\161\2639894\DIGITAL_DESIGN\ACAD 2020\SHEETS\1639894-GHD-0000-DWG-C-119.DWG (23 PESCADERO HIGH SCHOOL - UTILITY PLAN 3)



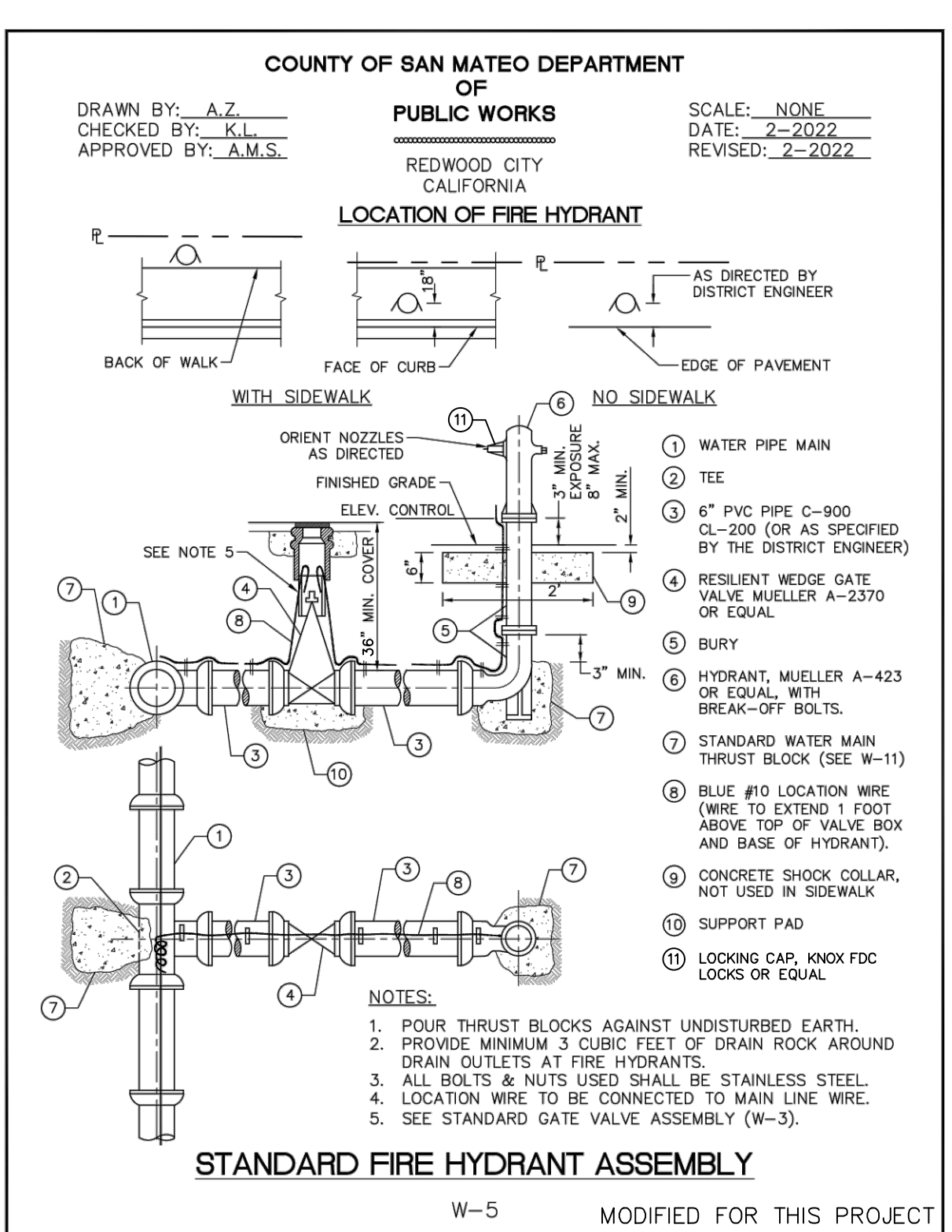
APPROVED: _____
 DATE: March 7, 2025
 ANN MADER STILLMAN,
 DIRECTOR OF PUBLIC WORKS
 R. C. E. # 47882



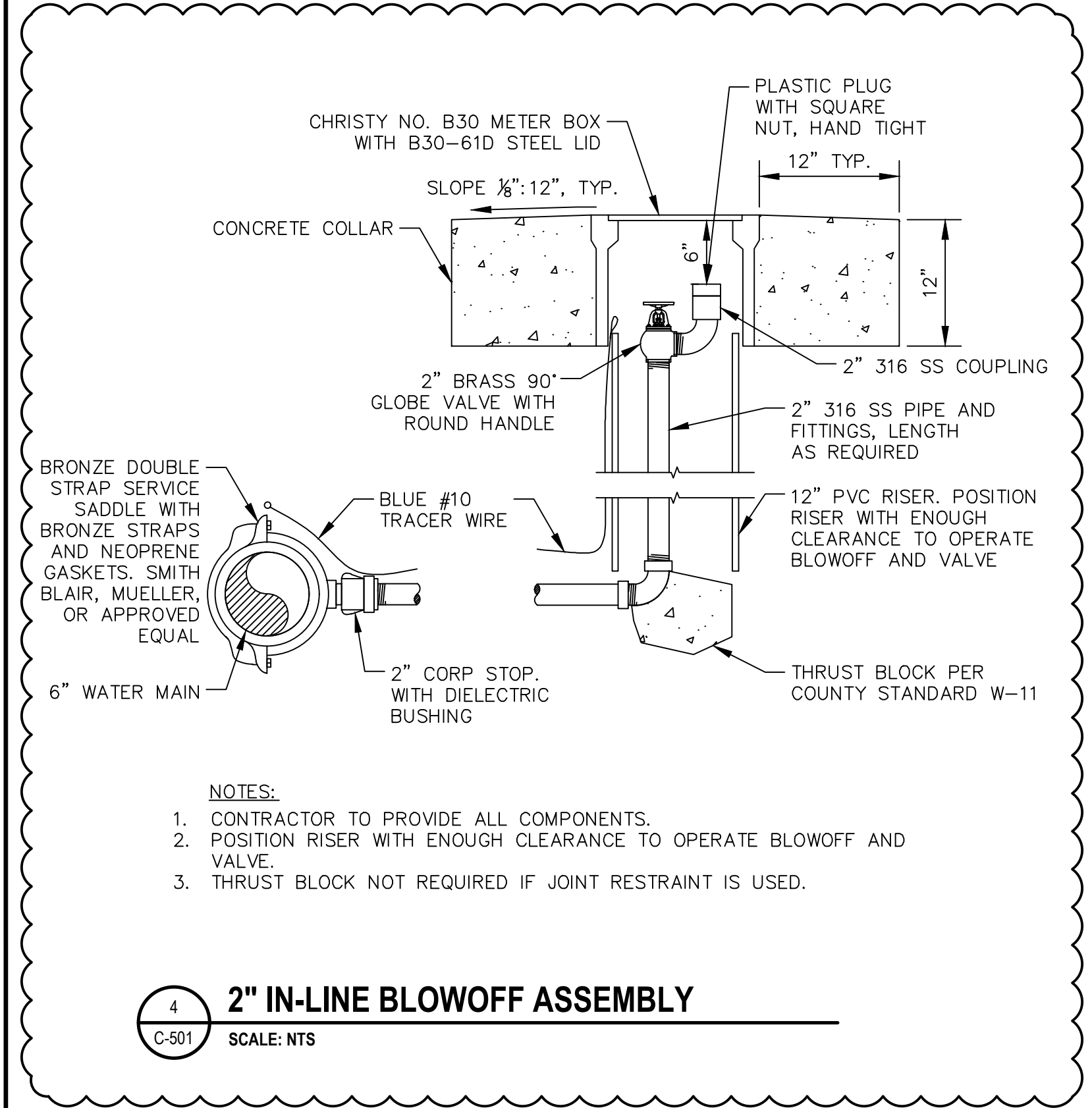
1 **W-3 - STANDARD GATE VALVE ASSEMBLY**
 C-501 SCALE: NTS



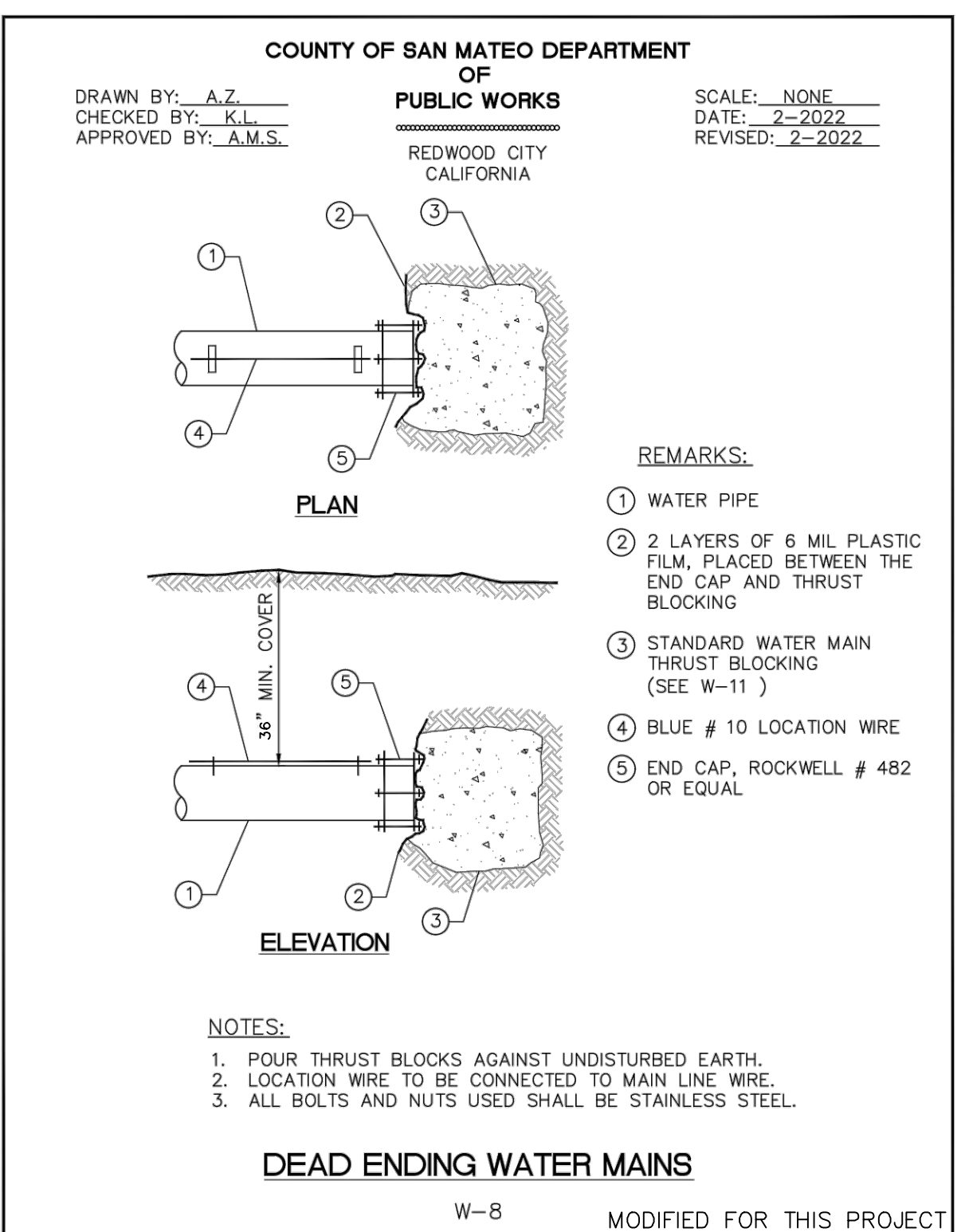
2 **W-4 - STANDARD TAPPING SLEEVE AND VALVE ASSEMBLY**
 C-501 SCALE: NTS



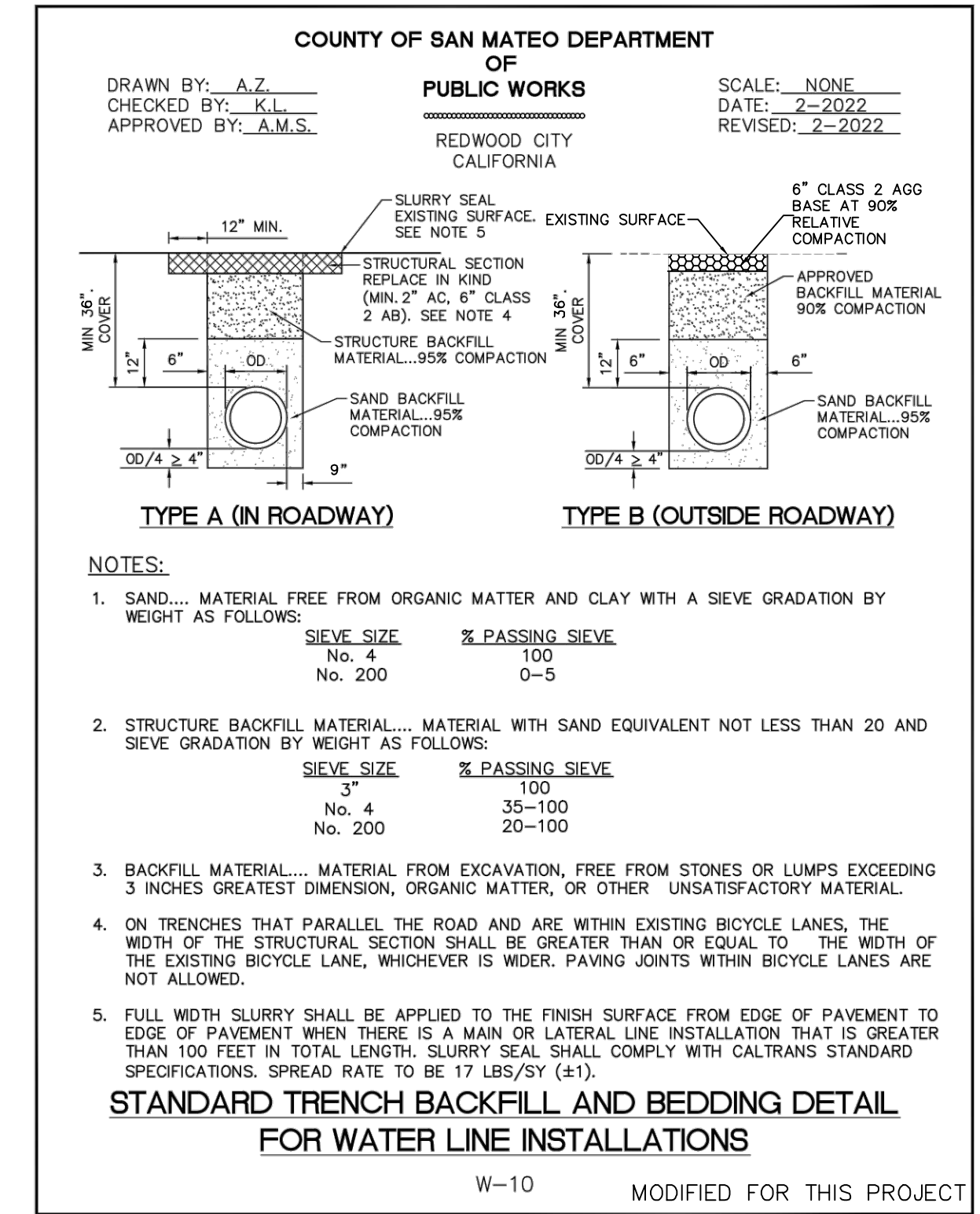
3 **W-5 - STANDARD FIRE HYDRANT ASSEMBLY**
 C-501 SCALE: NTS



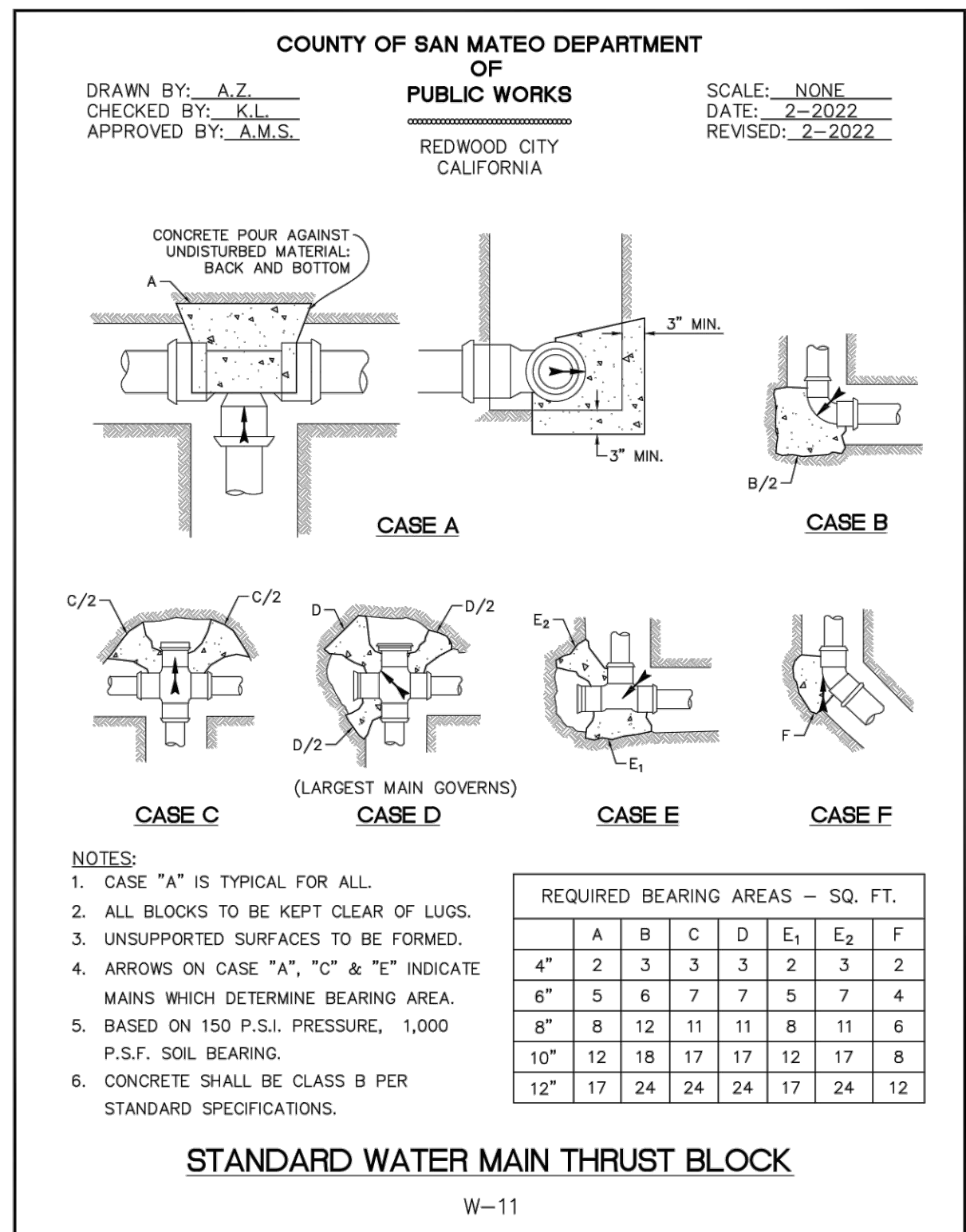
4 **2" IN-LINE BLOWOFF ASSEMBLY**
 C-501 SCALE: NTS



5 **W-8 - DEAD ENDING WATER MAINS**
 C-501 SCALE: NTS

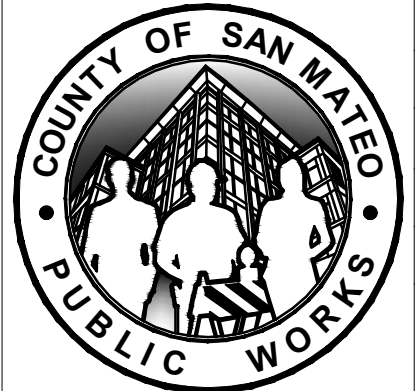


6 **W-10 - STANDARD TRENCH BACKFILL AND BEDDING DETAIL FOR WATER LINE INSTALLATIONS**
 C-501 SCALE: NTS



7 **W-11 - STANDARD WATER MAIN THRUST BLOCK**
 C-501 SCALE: NTS

APPROVED DATE: _____
 HOLLY ZIEGLER
 GHD, Inc.
 R.C.E. # 77541 / EXPIRES 06-30-2025



DESIGNED BY: RR
 CHECKED BY: HC
 DRAWN BY: RR

COUNTY OF SAN MATEO
 CSA 11 WATER LINE EXTENSION
CIVIL DETAILS (1 OF 3)

ANN MADER STILLMAN,
 DIRECTOR OF PUBLIC WORKS
 COUNTY SAN MATEO

555 COUNTY CENTER, 5th FLOOR
 REDWOOD CITY, CALIFORNIA 94063

SCALE: AS SHOWN
 DATE: 4/28/2025
 FILE NO.: 1/5104

FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES

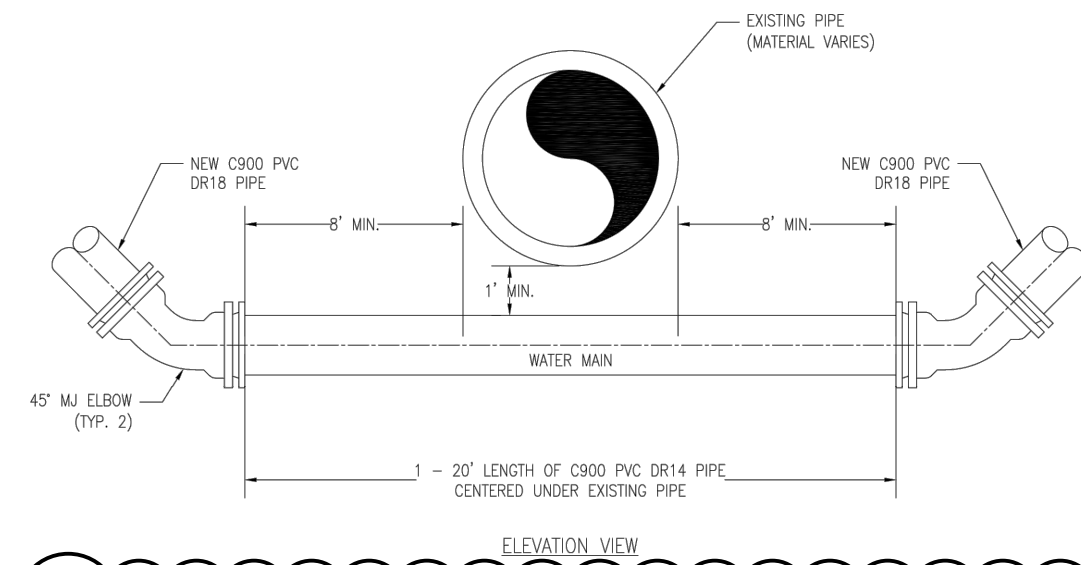
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C-501
 SHEET 24 OF 26

FILENAME: N:\SVEUREKA\PROJECTS\161\2639894\DIGITAL_DESIGN\ACAD 2020\SHEETS\1639894-GHD-0000-DWG-C-500.DWG (C-501)

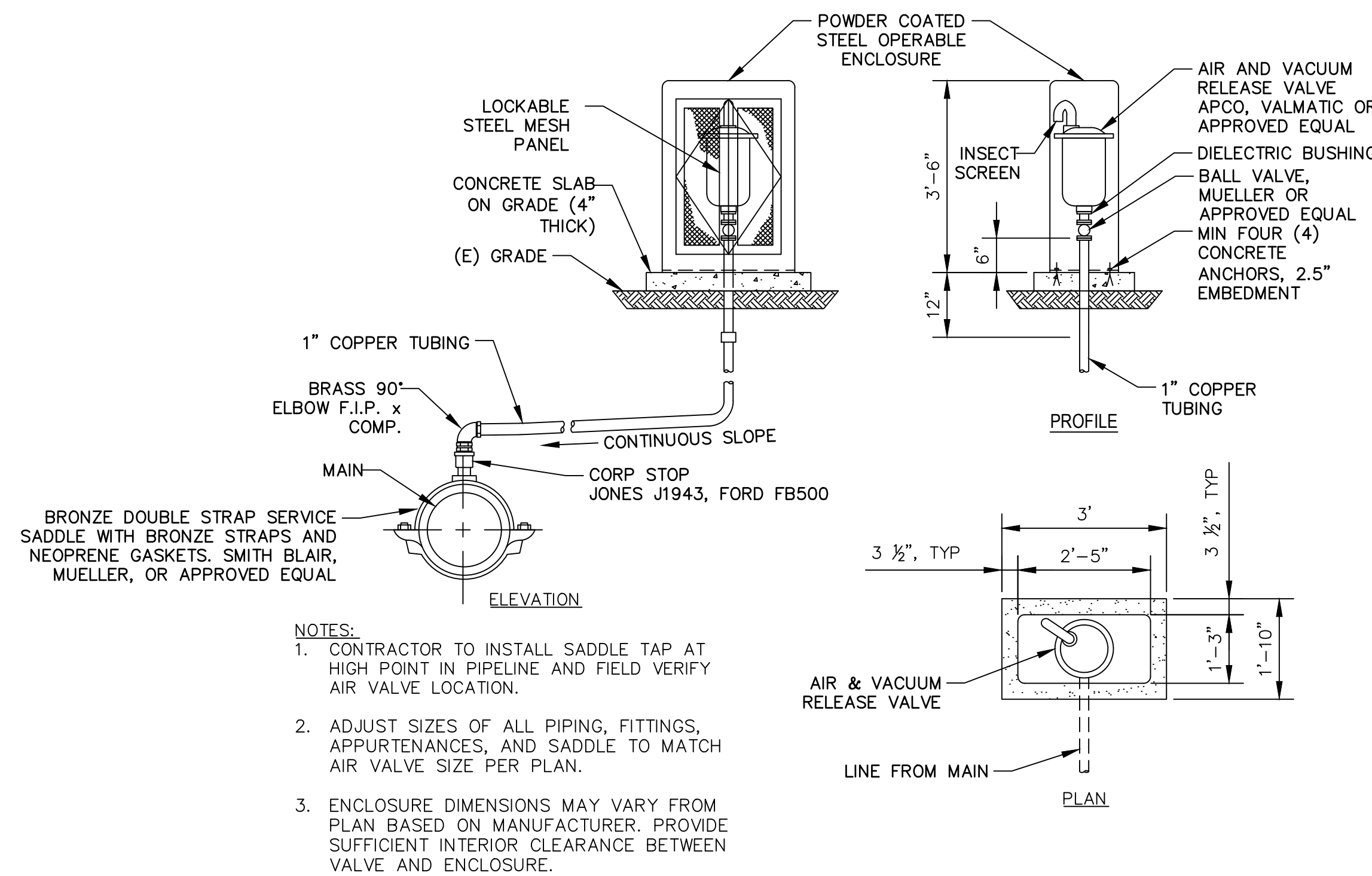


APPROVED:
 DATE: March 7, 2025
 ANN MADER STILLMAN,
 DIRECTOR OF PUBLIC WORKS
 R. C. E. # 47882



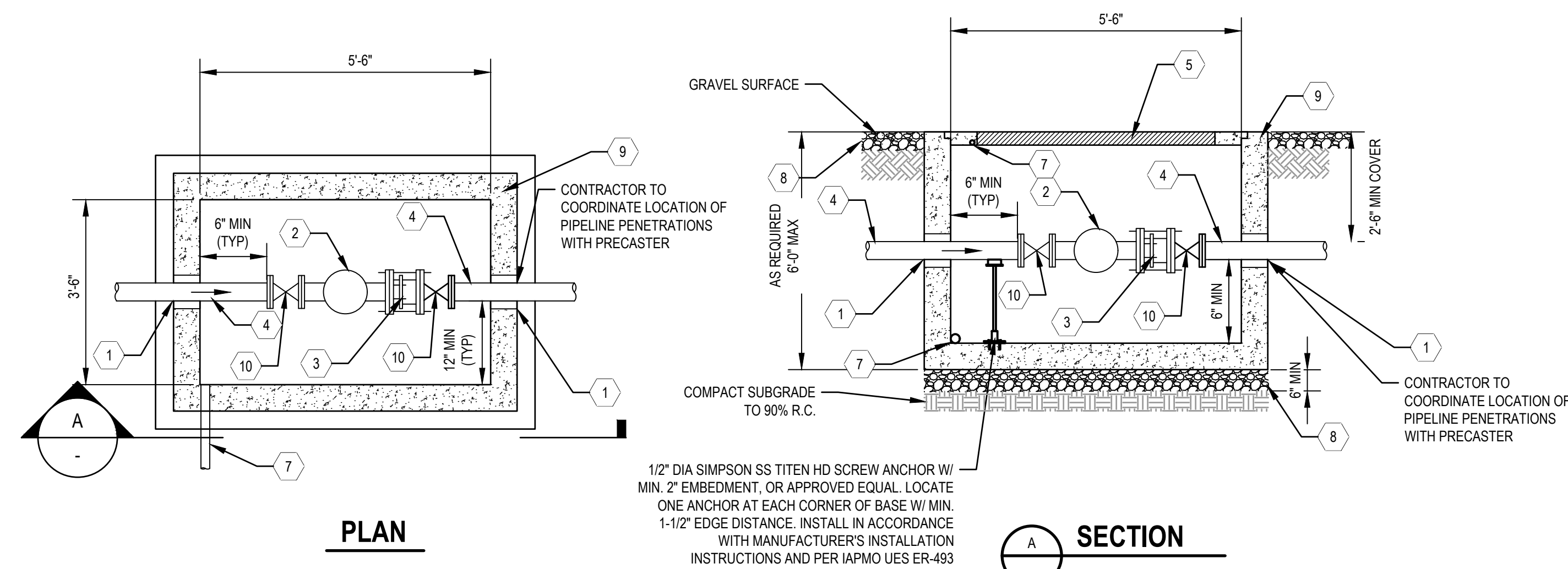
- NOTES:
1. ONLY TO BE USED UPON APPROVAL BY SAN MATEO COUNTY PUBLIC WORKS, AND WHERE CONDITIONS DO NOT ALLOW FOR THE MINIMUM VERTICAL SEPARATION AS SPECIFIED IN THE CALIFORNIA WATERWORKS STANDARDS, ARTICLE 4, SECTION 44572 "WATER MAIN SEPARATION".
 2. THIS ALTERNATE INSTALLATION APPLIES ONLY TO NEW WATER MAINS 36" DIAMETER OR LESS.
 3. WHERE THE NEW WATER MAIN CROSSES ABOVE THE EXISTING PIPELINE NO SPECIAL INSTALLATION IS REQUIRED.
 4. ALL BELL AND SPIGOT, PRESSOR TYPE OR TRANSITION JOINTS SHALL HAVE WATER-TIGHT RUBBER GASKETED SEALS. MATERIAL SUBMITTAL REQUIRED.
 5. INSTALL IN-LINE BLOWOFF AT CENTER OF LOWEST POINT IN CROSSING.

1 UNDERGROUND UTILITY PIPE CROSSING
 SCALE: NTS



- NOTES:
1. CONTRACTOR TO INSTALL SADDLE TAP AT HIGH POINT IN PIPELINE AND FIELD VERIFY AIR VALVE LOCATION.
 2. ADJUST SIZES OF ALL PIPING, FITTINGS, APPURTENANCES, AND SADDLE TO MATCH AIR VALVE SIZE PER PLAN.
 3. ENCLOSURE DIMENSIONS MAY VARY FROM PLAN BASED ON MANUFACTURER. PROVIDE SUFFICIENT INTERIOR CLEARANCE BETWEEN VALVE AND ENCLOSURE.

2 AIR RELEASE VALVE DETAIL
 SCALE: NTS



1/2" DIA SIMPSON SS TITEN HD SCREW ANCHOR W/ MIN. 2" EMBEDMENT, OR APPROVED EQUAL. LOCATE ONE ANCHOR AT EACH CORNER OF BASE W/ MIN. 1-1/2" EDGE DISTANCE. INSTALL IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS AND PER IAPMO UES ER-493

A SECTION

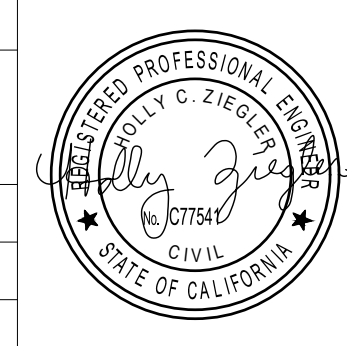
MATERIALS LIST		
ITEM	QTY	DESCRIPTION
1	2	WALL PENETRATION, SEE DETAIL 2 SHEET C-503.
2	1	4" SENSUS OMNI COMPOUND METER OR APPROVED EQUAL.
3	1	4" DISMANTLING JOINT.
4	AS REQ'D	4" FL X PE DIP (LENGTH AS REQUIRED).
5	1	VAULT ACCESS COVER. CAST INTO VAULT LID.
6	1	PIPE SUPPORT. EATON B-LINE SERIES B3088T-2-1/2 AND B3093-8 OR APPROVED EQUAL. VERIFY SIZE.
7	AS REQ'D	2" SCH 30 PVC VAULT DRAIN PIPE AND 1-1/2" SCH 40 PVC COVER DRAIN PIPE.
8	AS REQ'D	GRANULAR BEDDING (COMPACTED)
9	1	5'-6" X 3'-6" ID PRECAST CONCRETE UTILITY VAULT, DEPTH AS REQUIRED (6'-0" MAX)
10	2	4" GATE VALVE

- NOTES:
1. ABOVE GRADE PIPING SHALL BE FLANGED. BELOW GRADE PIPING SHALL BE MECHANICAL JOINT. CONTRACTOR MAY PROPOSE ALTERNATIVE FITTINGS UPON REVIEW AND APPROVAL.
 2. PROVIDE DIELECTRIC GASKETS BETWEEN ALL FLANGES OF DISSIMILAR METAL.
 3. ALL ABOVE GRADE METALLIC PIPING SHALL BE COATED WITH FUSION BONDED EPOXY WITH URETHANE TOP COAT.

- PRECAST CONCRETE NOTES:
1. PRECAST CONCRETE SHALL BE NORMAL WEIGHT, WITH A MINIMUM COMPRESSIVE STRENGTH OF 5,000 PSI AT 28 DAYS.
 2. ALL REINFORCING STEEL SHALL BE ASTM A615, GRADE 60.
 3. SEE SPECIFICATION SECTION 03 49 10.
 4. FOR PENETRATIONS < 4" DIA. LOCATE PENETRATIONS 2" CLEAR MIN FROM ALL REINFORCING STEEL.

4 4" SERVICE METER
 SCALE: NTS

APPROVED DATE:
 HOLLY ZIEGLER
 GHD, Inc.
 R.C.E. # 77541 / EXPIRES 06-30-2025

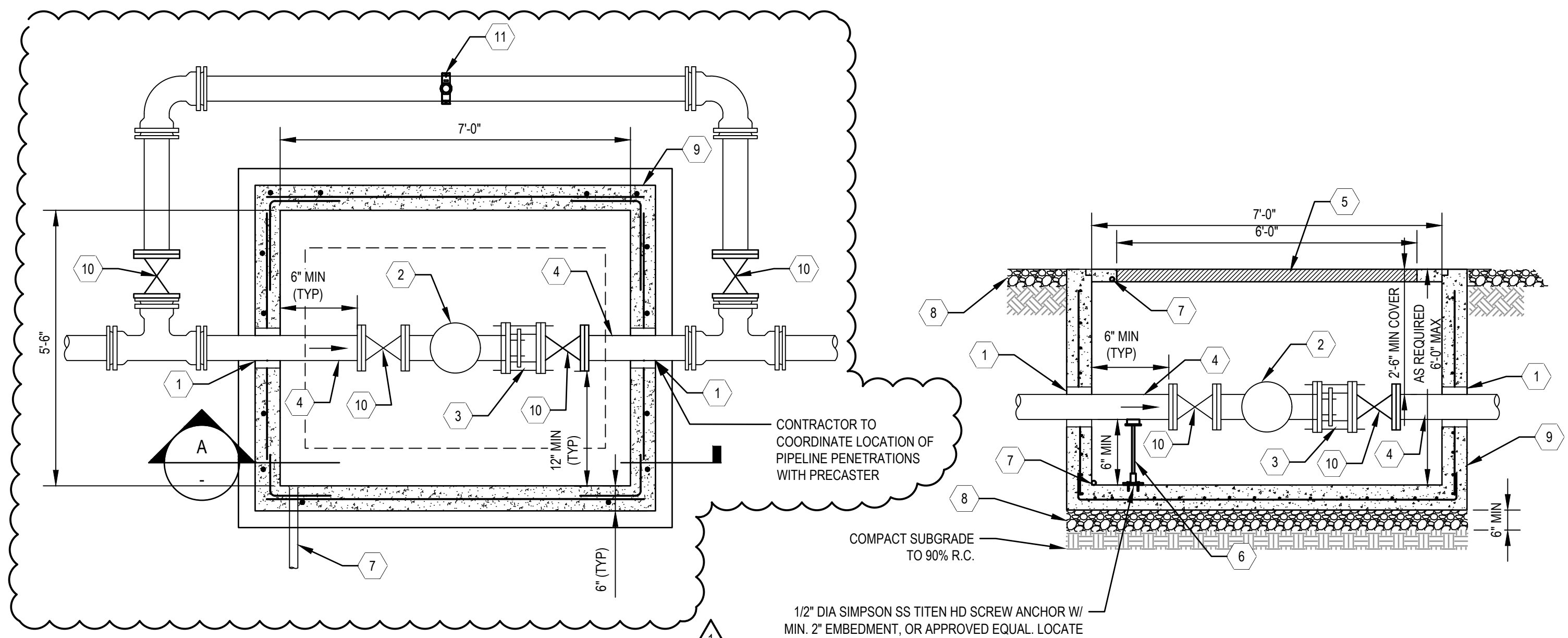


DESIGNED BY: RR	COUNTY OF SAN MATEO	SCALE: AS SHOWN
CHECKED BY: HC	CSA 11 WATER LINE EXTENSION	DATE: 4/29/2025
DRAWN BY: RR	CIVIL DETAILS (2 OF 3)	FILE NO.: 1/5104
ADD. 1 04/28/2025	ANN MADER STILLMAN, DIRECTOR OF PUBLIC WORKS COUNTY SAN MATEO	555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063
REVISION DATE		

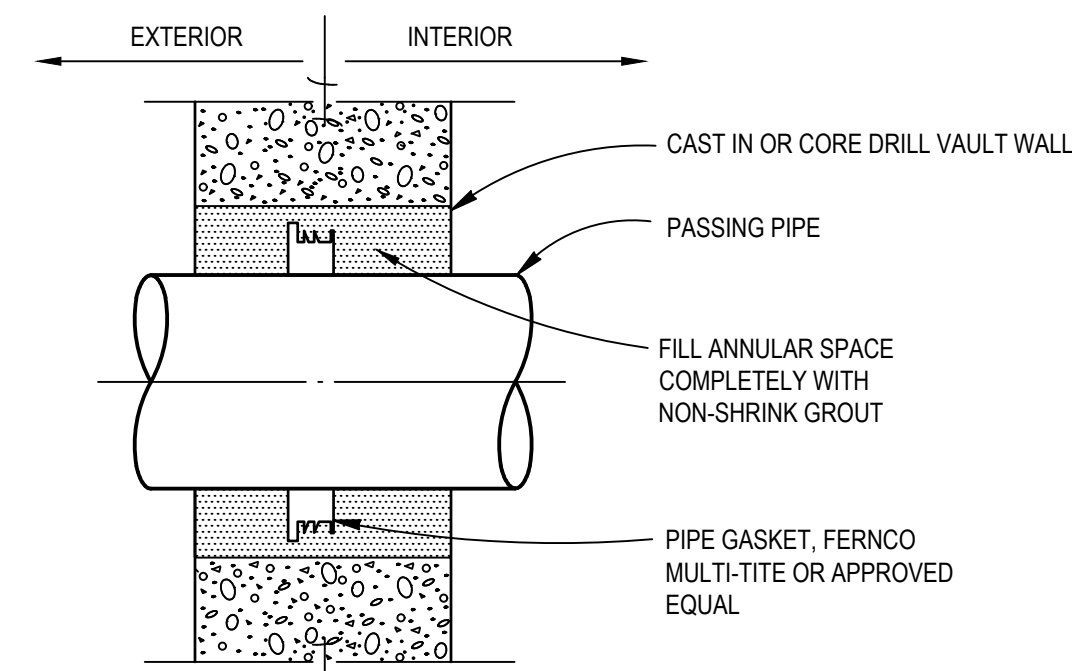
FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES



APPROVED:
 DATE: March 7, 2025
 ANN MADER STILLMAN,
 DIRECTOR OF PUBLIC WORKS
 R. C. E. # 47882



MATERIALS LIST		
ITEM	QTY	DESCRIPTION
1	2	WALL PENETRATION, SEE DETAIL 2 SHEET C-503.
2	1	6" SENSUS OMNI COMPOUND METER OR APPROVED EQUAL.
3	1	6" DISMANTLING JOINT.
4	AS REQ'D	6" FL X PE DIP (LENGTH AS REQUIRED).
5	1	4' X 6' DOUBLE LEAF VAULT LOCKABLE ACCESS COVER. CAST INTO VAULT LID.
6	1	PIPE SUPPORT. EATON B-LINE SERIES B3088T-2-1/2 AND B3093-8 OR APPROVED EQUAL. VERIFY SIZE.
7	AS REQ'D	2" SCH 30 PVC VAULT DRAIN PIPE AND 1-1/2" SCH 40 PVC COVER DRAIN PIPE.
8	AS REQ'D	GRANULAR BEDDING (COMPACTED)
9	1	7' X 5'-6" ID PRECAST CONCRETE UTILITY VAULT, DEPTH AS DEQUIRED (6'-0" MAX)
10	4	6" GATE VALVE
11	1	2" BLOWOFF VALVE WITH BRONZE DOUBLE STRAP SERVICE SADDLE



2 WALL PENETRATION
 SCALE: NTS

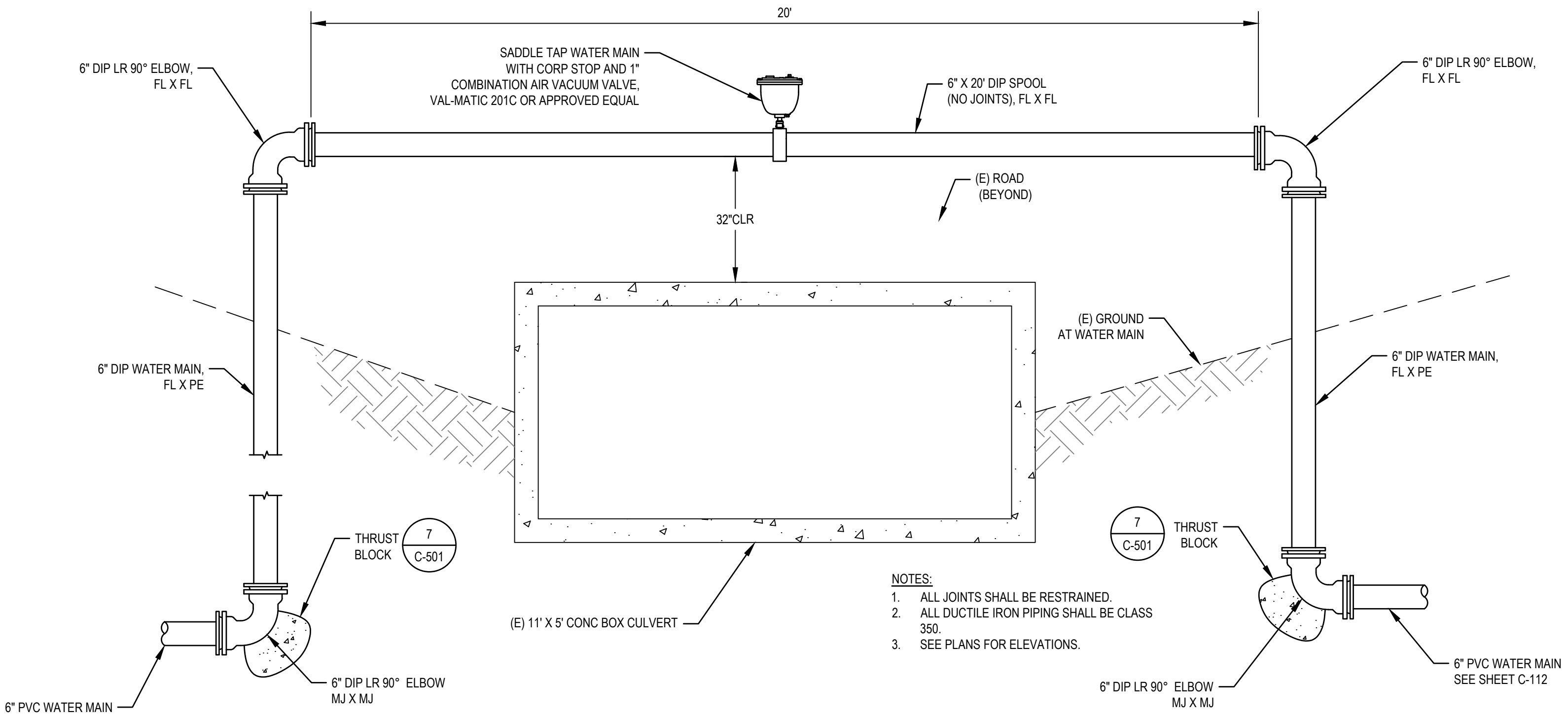
- NOTES:**
- ABOVE GRADE PIPING SHALL BE FLANGED. BELOW GRADE PIPING SHALL BE MECHANICAL JOINT. CONTRACTOR MAY PROPOSE ALTERNATIVE FITTINGS UPON REVIEW AND APPROVAL.
 - PROVIDE DIELECTRIC GASKETS BETWEEN ALL FLANGES OF DISSIMILAR METAL.
 - ALL ABOVE GRADE METALLIC PIPING SHALL BE COATED WITH FUSION BONDED EPOXY WITH URETHANE TOP COAT.

- PRECAST CONCRETE NOTES:**
- PRECAST CONCRETE SHALL BE NORMAL WEIGHT, WITH A MINIMUM COMPRESSIVE STRENGTH OF 5,000 PSI AT 28 DAYS.
 - ALL REINFORCING STEEL SHALL BE ASTM A615, GRADE 60.
 - SEE SPECIFICATION SECTION 03 48 10 PRECAST CONCRETE UTILITY BOXES. FOR PENETRATIONS < 4" DIA, LOCATE PENETRATIONS 2" CLEAR MIN FROM ALL REINFORCING STEEL.

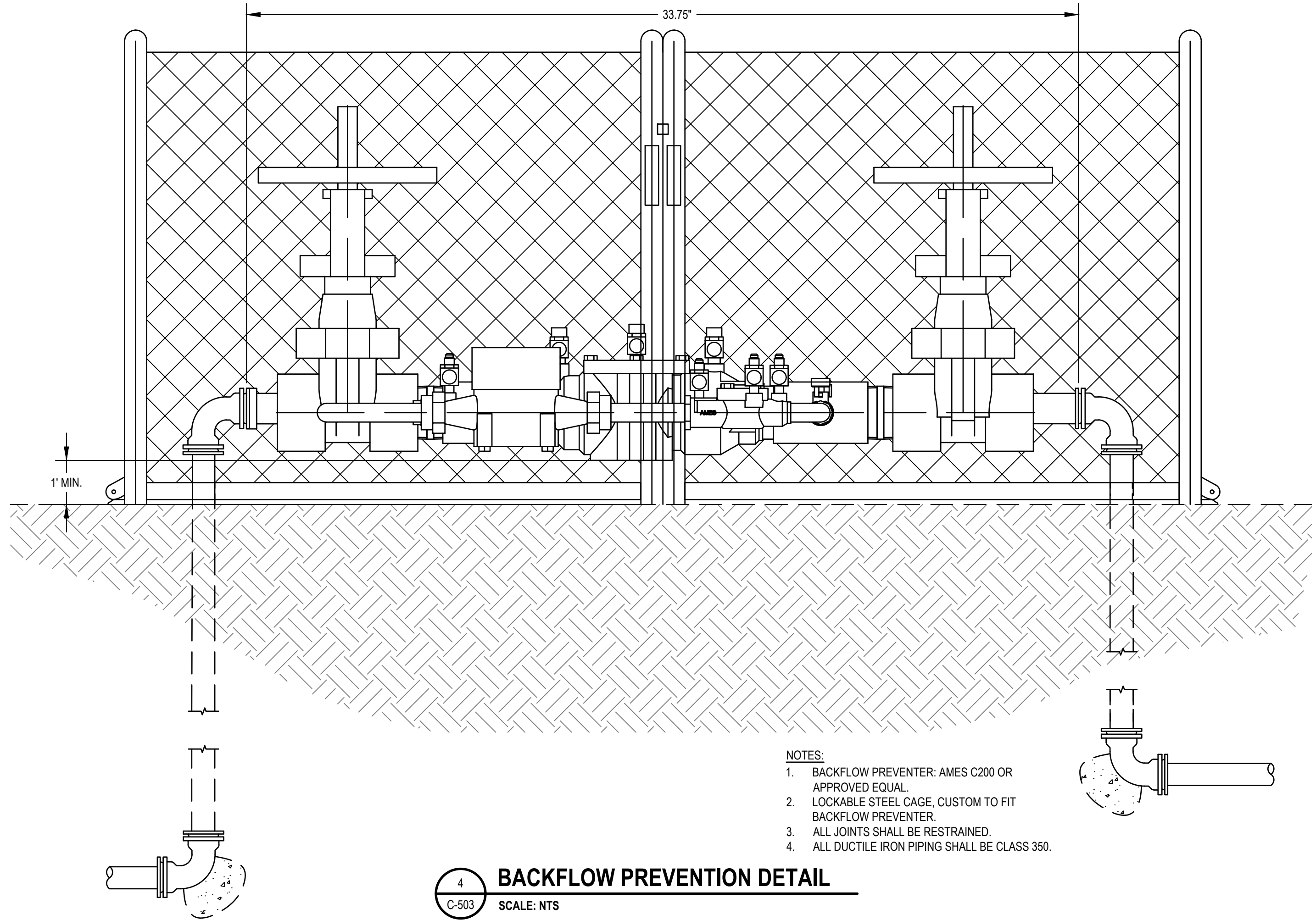
PLAN

SECTION

1 6" WATER METER AND BYPASS
 SCALE: NTS

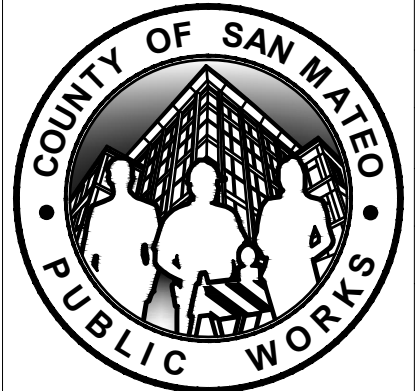
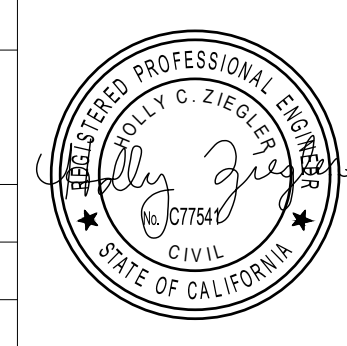


3 PIPE BRIDGE CULVERT CROSSING
 SCALE: NTS



4 BACKFLOW PREVENTION DETAIL
 SCALE: NTS

APPROVED DATE:
 HOLLY ZIEGLER
 GHD, Inc.
 R.C.E. # 77541 / EXPIRES 06-30-2025



DESIGNED BY: RR
 CHECKED BY: HC
 DRAWN BY: RR

ADD. 1 04/28/2025
 REVISION DATE

ANN MADER STILLMAN,
 DIRECTOR OF PUBLIC WORKS
 COUNTY SAN MATEO

COUNTY OF SAN MATEO
 CSA 11 WATER LINE EXTENSION
CIVIL DETAILS (3 OF 3)

555 COUNTY CENTER, 5th FLOOR
 REDWOOD CITY, CALIFORNIA 94063

SCALE: AS SHOWN
 DATE: 4/29/2025
 FILE NO.: 1/5104

FOR REDUCED PLANS
 ORIGINAL SCALE IS IN INCHES

C-503
 SHEET 26 OF 26

FILENAME: \\GHDNET\GHD\US\EUREKA\PROJECTS\561\2639894\DIGITAL\DESIGN\ACAD 2020\SHEETS\2639894-GHD-0000-DWG-C-500.DWG (C-503)