

VICINITY MAP
NOT TO SCALE

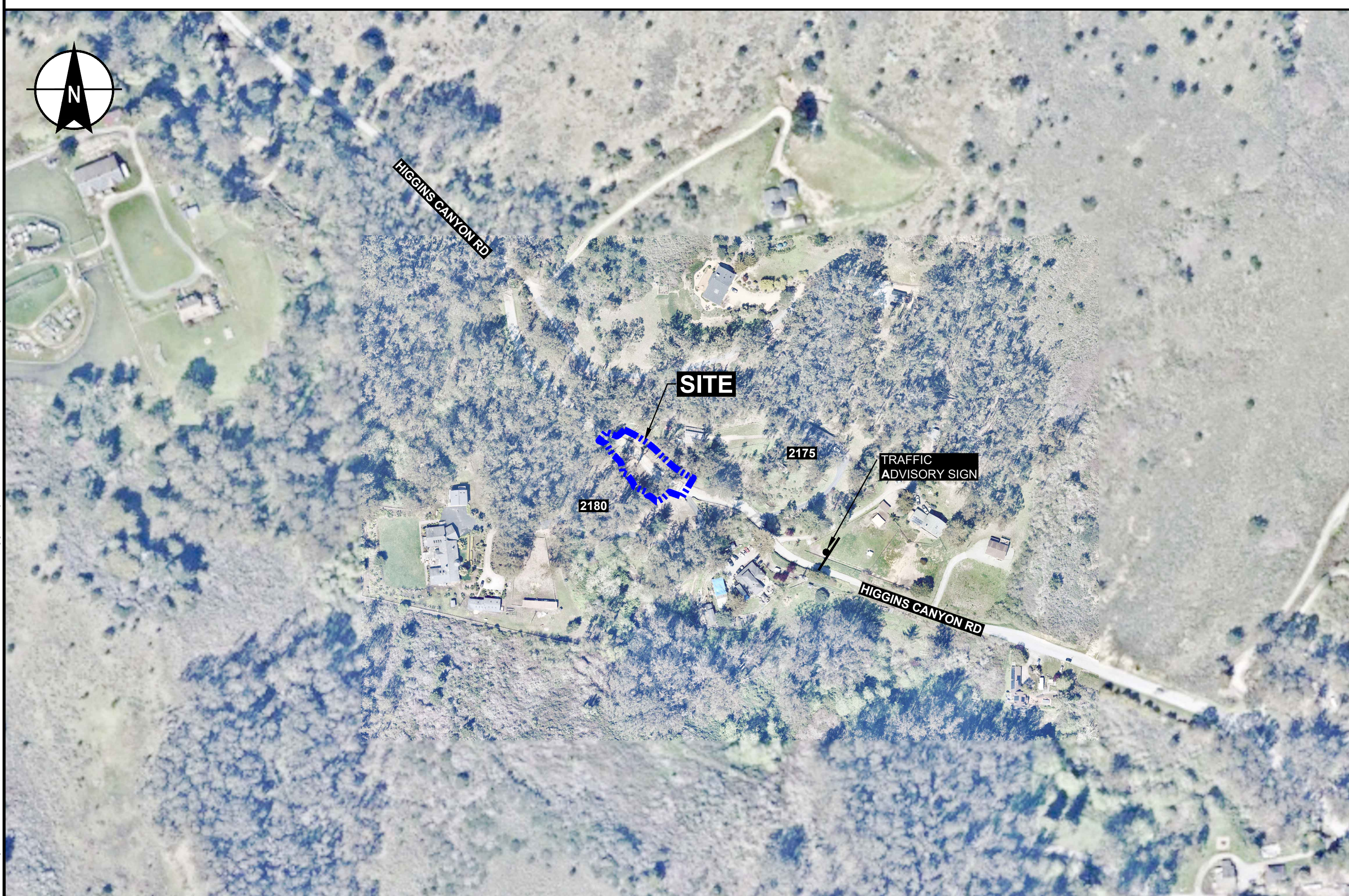


APPROVED:
DATE: July 28, 2023
Ann Mader Stillman
ANN MADER STILLMAN,
DIRECTOR OF PUBLIC WORKS
R. C. E. # 47882 / EXPIRES 12-31-2023

COUNTY OF SAN MATEO, CALIFORNIA

SLIP-OUT REPAIR 2180 HIGGINS CANYON ROAD [COUNTY PROJECT NO. O8H21] [PROJECT FILE NO. E5083]

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. 077227



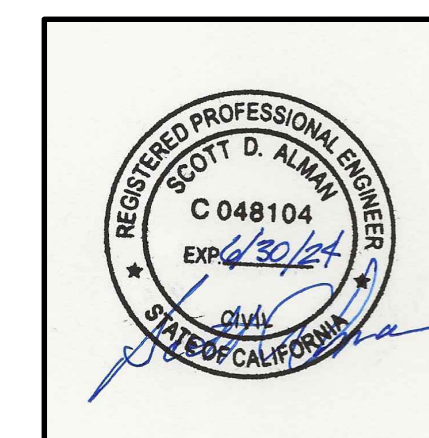
SITE AERIAL
MAP SOURCE: NEARMAP, MARCH 25, 2023

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SCALE IN FEET

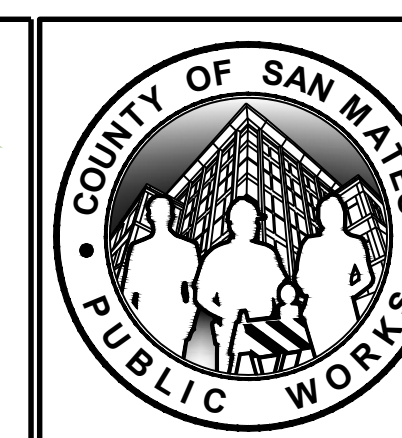
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ISSUED
FOR
CONSTRUCTION



**HALEY
ALDRICH**
HALEY & ALDRICH, INC.
785 Ygnacio Valley Road
Walnut Creek, CA 94595
Tel: 925.935.9771
www.haleyaldrich.com
PROJECT NO.: 0207686-001



REVISION	DATE	DESIGNED BY: DPM	SLIP-OUT REPAIR 2180 HIGGINS CANYON ROAD	SCALE: AS SHOWN
0	07/21/23	DRAWN BY: KV	TITLE SHEET	DATE: JULY-2023
		CHECKED BY: SA		FILE NO.: 1/5083
ANN MADER STILLMAN, DIRECTOR OF PUBLIC WORKS COUNTY SAN MATEO			555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063	
FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES				G-100 SHEET 01 OF 20



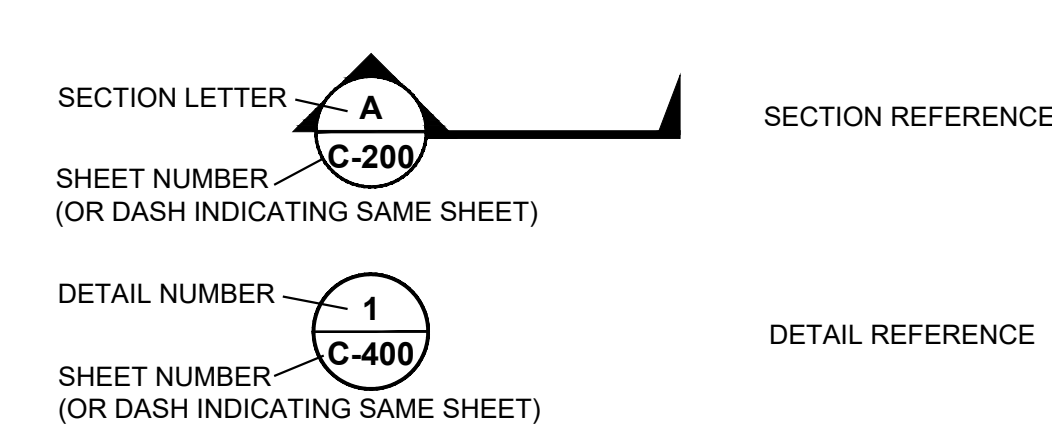
ABBREVIATIONS

AB	AGGREGATE BASE	MAX	MAXIMUM
AC	ASPHALT CONCRETE	MBGR	METAL BEAM GUARD RAILING
ACP	ASBESTOS CEMENT PIPE	MH	MANHOLE
APPROX	APPROXIMATE	MIN	MINIMUM
AS	AGGREGATE SUBBASE	MISC	MISCELLANEOUS
		M	MONUMENT LINE
		MON	MONUMENT
BC	BEGINNING OF HORIZONTAL CURVE		
BEG	BEGIN	N	NORTH
BKF	BACKFILL	NTS	NOT TO SCALE
B	BOUNDARY LINE		
BOW, BW	BOTTOM OF WALL		
BVC	BEGINNING OF VERTICAL CURVE	OC	ON CENTER OR OVERCROSSING
BW	BARBED WIRE	OD	OUTSIDE DIAMETER
BW	BACK OF SIDEWALK	OG	ORIGINAL GROUND
		OH	OVERHEAD
C-C	CENTER TO CENTER		
CF	CUBIC FEET	PCC	POINT OF COMPOUND CURVE OR PORTLAND CEMENT CONCRETE
C&G	CURB AND GUTTER		
CIDH	CAST-IN-DRILLED-HOLE	PED	PEDESTRIAN
CIP	CAST-IN-PLACE OR CAST IRON PIPE	PG&E	PACIFIC GAS & ELECTRIC CO.
		PI	POINT OF INTERSECTION
CIPCP	CAST-IN-PLACE CONCRETE PIPE	PIL, P	PROPERTY LINE
CL	CENTERLINE	POC	POINT OF HORIZONTAL CURVE
CL	CLASS OR CHAIN LINK	POT	POINT OF TANGENCY
CLR	CLEAR OR CLEARANCE	POVC	POINT OF VERTICAL CURVE
CMP	CORRUGATED METAL PIPE	PP	POWER POLE, PLASTIC PIPE OR PIPE PILE
CY	CUBIC YARD		
		PRC	POINT OF REVERSE CURVE
D	DEPTH	PRVC	POINT OF REVERSE VERTICAL CURVE
DET	DETAIL OR DETOUR	PT	ANGLE POINT
DI	DROP INLET, DRAINAGE INLET	PVMT	PAVEMENT
DIA, Ø	DIAMETER		
D/S	DOWNSTREAM	R	RADIUS OR RADIAL
DWG	DRAWING	RCB	REINFORCED CONCRETE BOX
DWY	DRIVEWAY	RCP	REINFORCED CONCRETE PIPE
		REINF	REINFORCED
E	EAST OR ELECTRIC	REV	REVISED OR REVISION
EA	EACH	RR	RAILROAD
EASE	EASEMENT	RSP	ROCK SLOPE PROTECTION
EBMUD	EAST BAY MUNICIPAL UTILITY DISTRICT	RT	RIGHT
		RW	RETAINING WALL, REDWOOD RIGHT-OF-WAY
EC	END OF HORIZONTAL CURVE		
ELEV	ELEVATION		
EP	EDGE OF PAVEMENT	S	SLOPE OR SLOPE
EQ, =	EQUALS	SD	STORM DRAIN
EQ	EQUATION OR EQUALS	SHT	SHEET
ES	EDGE OF SHOULDER	SQFT	SQUARE FOOT OR SQUARE FEET
ETW	EDGE OF TRAVELED WAY	SS	SANITARY SEWER
EVC	END OF VERTICAL CURVE	STA	STATION
EXC	EXCAVATE OR EXCAVATION	STD	STANDARD
EXIST, EX	EXISTING	SW	SIDEWALK
		SWPPP	STORM WATER POLLUTION PREVENTION PLAN
FC	FACE OF CURB		
FG	FINISHED GRADE	SYM	SYMMETRIC OR SYMMETRICAL
FH	FIRE HYDRANT		
FL, L	FLOW LINE	T	TANGENT LENGTH OR TELEPHONE
FO	FIBER OPTIC	TC	TOP OF CURB
FT, '	FEET OR FOOT	TEL, T	TELEPHONE
		TEMP	TEMPORARY
G	GAS LINE	TG	TOP OF GRADE
GA	GAUGE	TOW, TW	TOP OF WALL
GAL	GALLON	TP	TELEPHONE POLE
GALV	GALVANIZED	TS	TRAFFIC SIGNAL, TRANSVERSE OR TUBULAR STEEL
GP	GRADING PLANE		
GR	GUARD RAILING	TYP	TYPICAL
H	HEIGHT	UON	UNLESS OTHERWISE NOTED
HORIZ	HORIZONTAL	U/S	UPSTREAM
HP	HINGE POINT		
		VAR	VARIES OR VARIABLE
ID	INSIDE DIAMETER	VC	VERTICAL CURVE
IN, "	INCH OR INCHES	VERT	VERTICAL
INV	INVERT (GRADE ELEVATION)		
IRR	IRRIGATION	W	WATER, WEST OR WIDTH
JP	JOINT POLE		
		∠	ANGLE
		°	DEGREE
L	LENGTH OR LENGTH OF CURVE	Δ	DELTA (ANGLE OF CURVATION)
LC	LENGTH OF CHORD	Ø	DIAMETER
LF	LINEAR FOOT OR FEET	=	EQUALS
LOC	LOCATION	'	FEET, FOOT OR ANGULAR MINUTES
LT	LEFT	"	INCH OR ANGULAR SECONDS
		∅	PHASE (SIGNAL OR ELECTRICAL)

GENERAL NOTES

- ALL WORK IS TO BE DONE UNDER THE DIRECTION OF THE ENGINEER.
- CALTRANS STANDARD SPECIFICATIONS AND STANDARD PLANS, 2018 EDITION, AND THEIR LATEST REVISIONS, SUBSEQUENT AMENDMENTS AND ERRATA, ARE PART OF THESE PLANS.
- IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR SHALL BE SOLELY AND COMPLETELY RESPONSIBLE FOR THE CONDITIONS OF THE JOB SITE INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK. THIS REQUIREMENT WILL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORK HOURS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DESIGN AND CONSTRUCTION OF PROPER SHORING OF TRENCHES IN ACCORDANCE WITH THE LATEST OCCUPATIONAL SAFETY LAWS. THE DUTIES OF THE ENGINEER DO NOT INCLUDE REVIEW OF THE ADEQUACY OF THE CONTRACTOR'S SAFETY IN, ON, OR NEAR THE CONSTRUCTION SITE.
- CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY AND ALL DAMAGE TO EXISTING STRUCTURES AND/OR UTILITIES DURING CONSTRUCTION. PROPER REPAIR SHALL BE DONE TO THE SATISFACTION OF THE ENGINEER AND THE RESPECTIVE UTILITY COMPANY.
- ALL PIPELINES AND OTHER UNDERGROUND FACILITIES MAY NOT BE SHOWN. EXISTING UNDERGROUND FACILITIES AS SHOWN ARE APPROXIMATE ONLY AND WERE OBTAINED FROM AVAILABLE UTILITY RECORDS. HOWEVER, THE COUNTY ASSUMES NO RESPONSIBILITY FOR THEIR ACCURACY OR COMPLETENESS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONTACT ALL UTILITIES AND TO DETERMINE THE EXACT LOCATIONS (BOTH HORIZONTALLY AND VERTICALLY) OF ALL PIPELINES AND OTHER UNDERGROUND FACILITIES (INCLUDING IRRIGATION) WITHIN THE ROADWAY AND PROJECT AREA IN THE FIELD PRIOR TO THE START OF ANY CONSTRUCTION. THE CONTRACTOR SHALL CONTACT UNDERGROUND SERVICE ALERT AT 811 OR 1-800-227-2600 AT LEAST TWO WORKING DAYS PRIOR TO EXCAVATION. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IN ADVANCE IF THERE ARE ANY POTENTIAL CONFLICTS. ALL EXISTING PIPELINES AND OTHER UNDERGROUND FACILITIES SHALL BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED.
- SLOPES OF ALL EMBANKMENT FILL SHALL BE 2:1 (HORIZONTAL: VERTICAL) UNLESS OTHERWISE NOTED ON PLANS OR AS DIRECTED BY THE ENGINEER. ATTENTION IS DIRECTED TO CALTRANS STANDARD SPECIFICATIONS, SECTION 19, FOR EMBANKMENT CONSTRUCTIONS WHERE APPLICABLE.
- DUST CONTROL MEASURES, AS APPROVED BY THE ENGINEER, SHALL BE FOLLOWED AT ALL TIMES DURING CONSTRUCTION OPERATIONS.
- EROSION CONTROL SHALL BE PERFORMED ON ALL DISTURBED AREAS (INCLUDING ALL EMBANKMENT CONSTRUCTION).
- TREES DESIGNATED ON THE PLANS ARE TO BE REMOVED UNLESS DIRECTED OTHERWISE IN WRITING BY THE ENGINEER.
- TRIM AND/OR REMOVE EXISTING SHRUBS, BUSHES, TREES, AND LANDSCAPING AS DIRECTED BY THE ENGINEER.
- ALL ELEVATIONS SHOWN ARE FINISHED ELEVATIONS UNLESS STATED OTHERWISE.
- THE CONTRACTOR SHALL NOT PERFORM WORK OUTSIDE THE RIGHT OF WAY UNLESS SHOWN ON THE PLANS, OR AS DIRECTED BY THE ENGINEER.
- SEE SPECIFICATIONS FOR DETAILS NOT SHOWN HEREIN.
- ALL DRAINAGE FEATURES SHALL BE CONSTRUCTED TO DRAIN AND CONFORM TO EXISTING FLOW PATTERNS.

PLAN SHEET DATA



APPROVED:

DATE: July 28, 2023

Ann Mader Stillman
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R. C. E. # 47882 / EXPIRES 12-31-2023

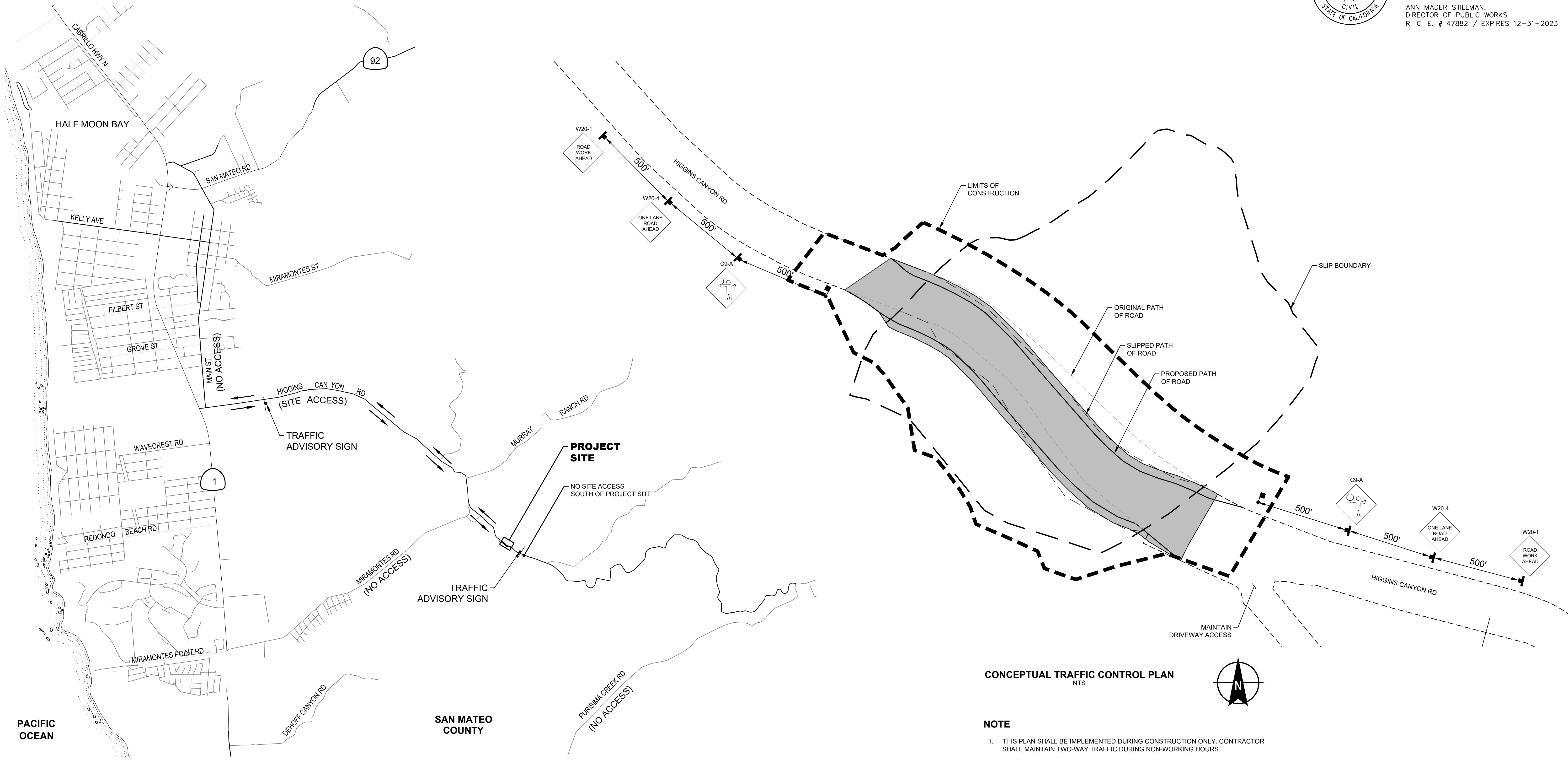
ISSUED FOR CONSTRUCTION

	<p>HALEY & ALDRICH, INC. 785 Ygnacio Valley Road Walnut Creek, CA 94595 Tel: 925.935.9771 www.haleyaldrich.com</p>		REVISION	DATE	DESIGNED BY: DPM	SLIP-OUT REPAIR	SCALE: AS SHOWN	
			0	07/21/23	DRAWN BY: KV	2180 HIGGINS CANYON ROAD	DATE: JULY-2023	
			CHECKED BY: SA	ABBREVIATIONS, LEGENDS, AND GENERAL NOTES			FILE NO.: 1/5083	
			ANN MADER STILLMAN, DIRECTOR OF PUBLIC WORKS COUNTY SAN MATEO		555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063			
			FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES					G-101 SHEET 02 OF 20

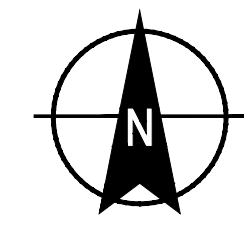
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CONCEPTUAL TRAFFIC CONTROL PLAN
 NTS



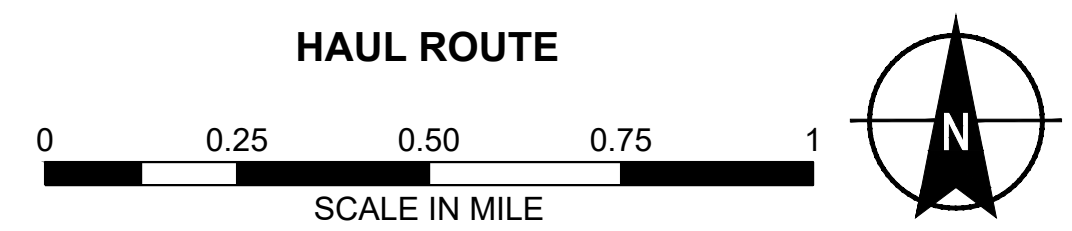
NOTE

1. THIS PLAN SHALL BE IMPLEMENTED DURING CONSTRUCTION ONLY. CONTRACTOR SHALL MAINTAIN TWO-WAY TRAFFIC DURING NON-WORKING HOURS.
2. CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN BASED ON THE LATEST EDITION OF THE CA MUTCD FOR REVIEW AND APPROVAL BY THE ENGINEER.

NOTE

1. THE CONTRACTOR SHALL KEEP ONE LANE ALONG HIGGINS CANYON ROAD OPEN AT ALL TIMES. THE CONTRACTOR SHALL PREPARE AND SUBMIT A TRAFFIC CONTROL PLAN TO BE REVIEWED AND APPROVED BY THE ENGINEER.

LEGEND



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	HALEY ALDRICH HALEY & ALDRICH, INC. 785 Ygnacio Valley Road Walnut Creek, CA 94595 Tel: 925.935.9771 www.haleyaldrich.com		REVISION	DATE	DESIGNED BY: DPM	SLIP-OUT REPAIR 2180 HIGGINS CANYON ROAD TRAFFIC CONTROL PLAN AND HAUL ROUTE	SCALE: AS SHOWN
			0	07/21/23	DRAWN BY: KV		DATE: JULY-2023
			CHECKED BY: SA	ANN MADER STILLMAN, DIRECTOR OF PUBLIC WORKS COUNTY SAN MATEO		555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063	FILE NO.: 1/5083
			FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES				G-102 SHEET 03 OF 20

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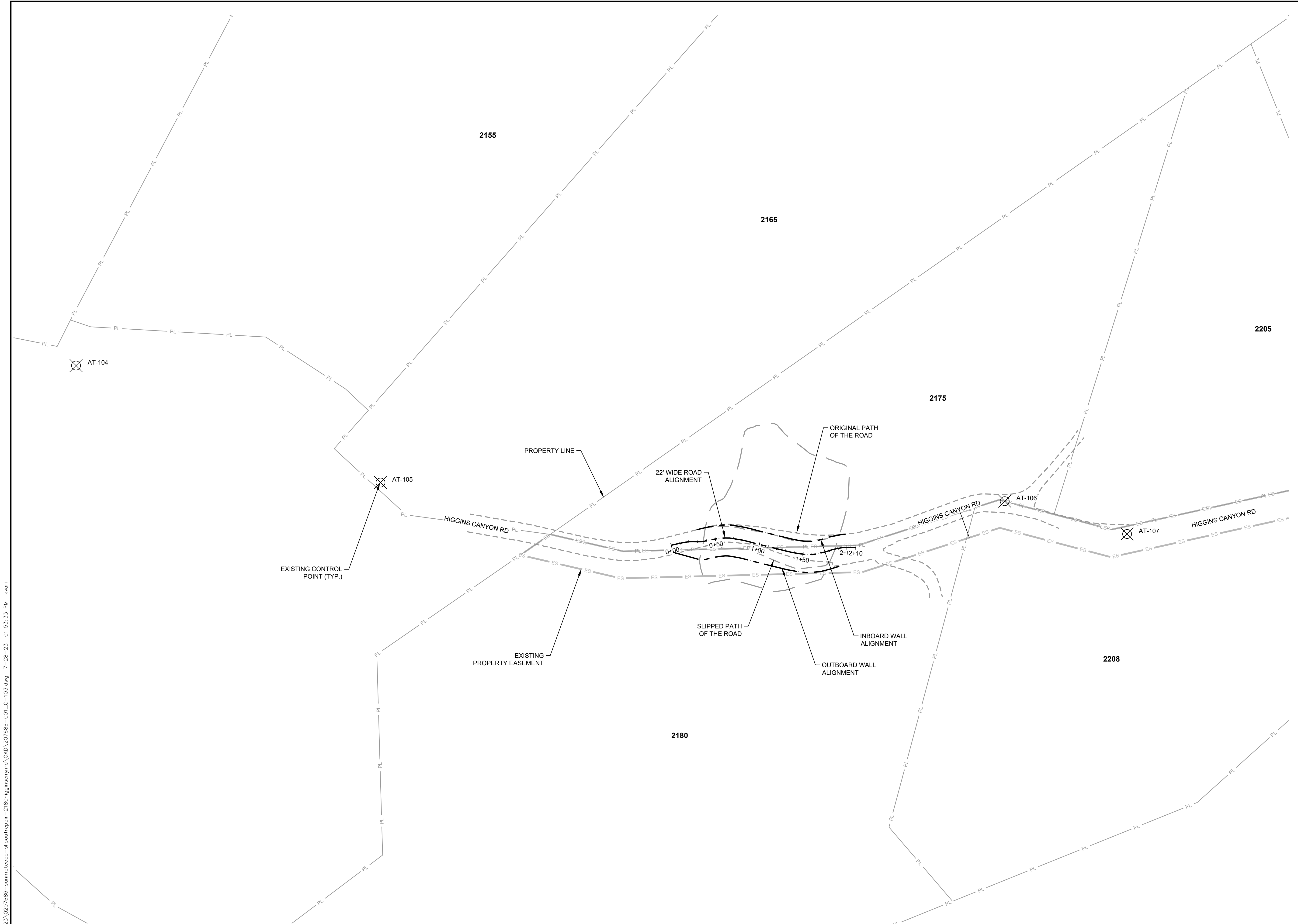
LEGEND

- PL — EXISTING PROPERTY LINE
- ES — EXISTING PROPERTY EASEMENT
- - - - - EXISTING ROADWAY
- - - - - EXISTING SLIPPED ROADWAY
- ⊗ AT-107 EXISTING CONTROL POINTS
- 2180 PROPERTY ADDRESS NUMBER

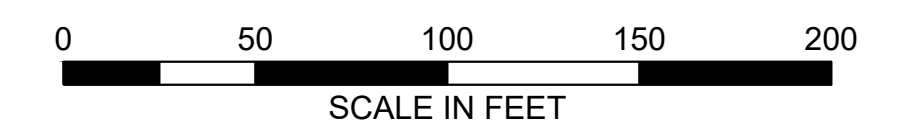
NOTES

1. EASEMENT SURVEY PROVIDED BY BKF, DATED MAY 09, 2023.
2. PROPERTY LINES SHOWN ARE FROM SAN MATEO COUNTY GIS AND ARE TO BE CONSIDERED APPROXIMATE.
3. COORDINATES BASED ON:
 - HORIZONTAL - NAD83, CALIFORNIA STATE PLANES, ZONE III, US FOOT
 - VERTICAL - NAVD88
3. CONTROL POINT COORDINATES

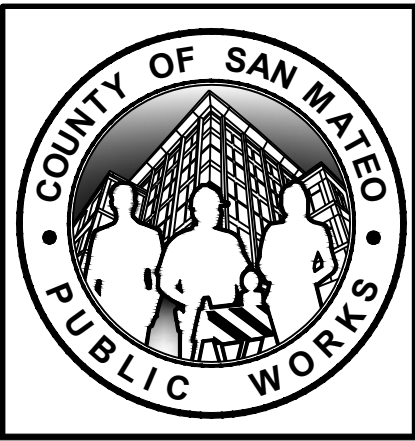
NORTHING	EASTING	ELEVATION	DESCRIPTION
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1988663.87	6009985.02	290.05	AT-105
1988247.05	6010544.04	283.82	AT-106
1988138.62	6010634.97	287.11	AT-107



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HALEY ALDRICH
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 785 Ygnacio Valley Road
 Walnut Creek, CA 94595
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 www.haleyaldrich.com
 PROJECT NO.: 0207686-001



REVISION	DATE	DESIGNED BY: DPM	SLIP-OUT REPAIR 2180 HIGGINS CANYON ROAD LAYOUT AND CONTROL PLAN	SCALE: AS SHOWN
0	07/21/23	DRAWN BY: KV		DATE: JULY-2023
		CHECKED BY: SA		FILE NO.: 1/5083
ANN MADER STILLMAN, DIRECTOR OF PUBLIC WORKS COUNTY SAN MATEO			555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063	
FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES				

G-103
SHEET 04 OF 20

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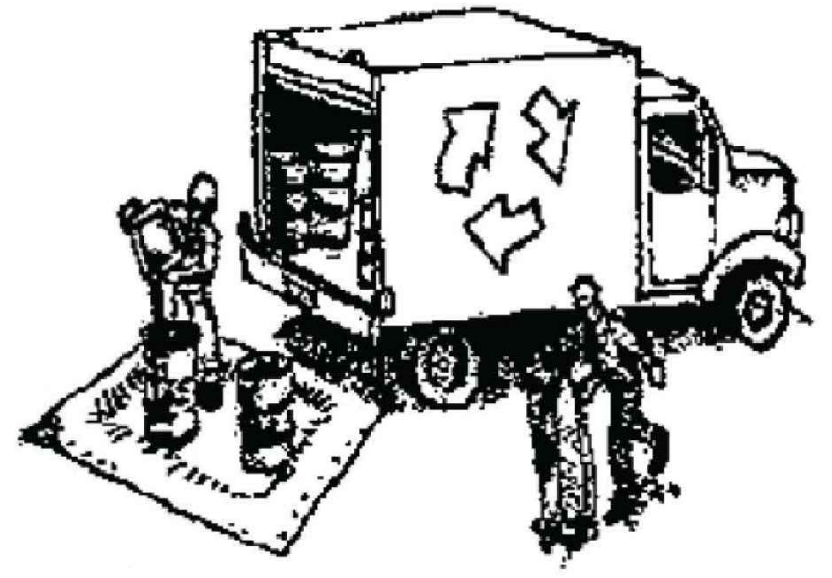
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 R. C. E. # 47882 / EXPIRES 12-31-2023



Construction Best Management Practices (BMPs)

Construction projects are required to implement the stormwater best management practices (BMP) on this page, as they apply to your project, all year long.

Materials & Waste Management



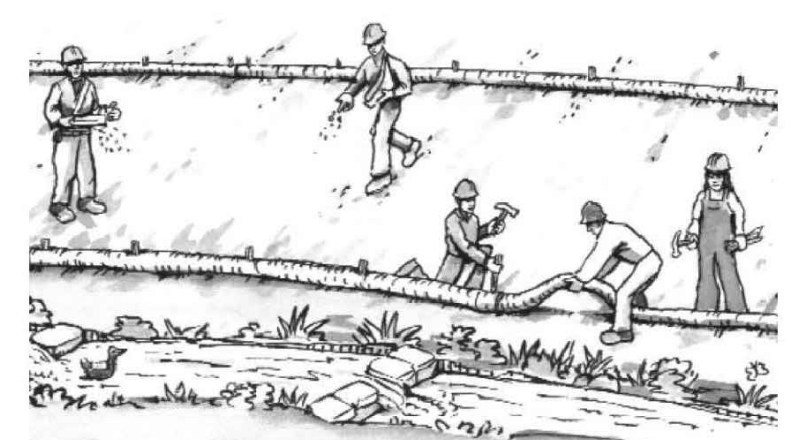
- Non-Hazardous Materials**
- Berm and cover stockpiles of sand, dirt or other construction material with tarps when rain is forecast or if not actively being used within 14 days.
 - Use (but don't overuse) reclaimed water for dust control.
- Hazardous Materials**
- Label all hazardous materials and hazardous wastes (such as pesticides, paints, thinners, solvents, fuel, oil, and antifreeze) in accordance with city, county, state and federal regulations.
 - Store hazardous materials and wastes in water tight containers, store in appropriate secondary containment, and cover them at the end of every work day or during wet weather or when rain is forecast.
 - Follow manufacturer's application instructions for hazardous materials and be careful not to use more than necessary. Do not apply chemicals outdoors when rain is forecast within 24 hours.
 - Arrange for appropriate disposal of all hazardous wastes.
- Waste Management**
- Cover waste disposal containers securely with tarps at the end of every work day and during wet weather.
 - Check waste disposal containers frequently for leaks and to make sure they are not overfilled. Never hose down a dumpster on the construction site.
 - Clean or replace portable toilets, and inspect them frequently for leaks and spills.
 - Dispose of all wastes and debris properly. Recycle materials and wastes that can be recycled (such as asphalt, concrete, aggregate base materials, wood, gyp board, pipe, etc.)
 - Dispose of liquid residues from paints, thinners, solvents, glues, and cleaning fluids as hazardous waste.
- Construction Entrances and Perimeter**
- Establish and maintain effective perimeter controls and stabilize all construction entrances and exits to sufficiently control erosion and sediment discharges from site and tracking off site.
 - Sweep or vacuum any street tracking immediately and secure sediment source to prevent further tracking. Never hose down streets to clean up tracking.

Equipment Management & Spill Control



- Maintenance and Parking**
- Designate an area, fitted with appropriate BMPs, for vehicle and equipment parking and storage.
 - Perform major maintenance, repair jobs, and vehicle and equipment washing off site.
 - If refueling or vehicle maintenance must be done onsite, work in a bermed area away from storm drains and over a drip pan or drop cloths big enough to collect fluids. Recycle or dispose of fluids as hazardous waste.
 - If vehicle or equipment cleaning must be done onsite, clean with water only in a bermed area that will not allow rinse water to run into gutters, streets, storm drains, or surface waters.
 - Do not clean vehicle or equipment onsite using soaps, solvents, degreasers, or steam cleaning equipment.
- Spill Prevention and Control**
- Keep spill cleanup materials (e.g., rags, absorbents and cat litter) available at the construction site at all times.
 - Inspect vehicles and equipment frequently for and repair leaks promptly. Use drip pans to catch leaks until repairs are made.
 - Clean up spills or leaks immediately and dispose of cleanup materials properly.
 - Do not hose down surfaces where fluids have spilled. Use dry cleanup methods (absorbent materials, cat litter, and/or rags).
 - Sweep up spilled dry materials immediately. Do not try to wash them away with water, or bury them.
 - Clean up spills on dirt areas by digging up and properly disposing of contaminated soil.
 - Report significant spills immediately. You are required by law to report all significant releases of hazardous materials, including oil. To report a spill: 1) Dial 911 or your local emergency response number, 2) Call the Governor's Office of Emergency Services Warning Center, (800) 852-7550 (24 hours).

Earthmoving



- Schedule grading and excavation work during dry weather.
- Stabilize all denuded areas, install and maintain temporary erosion controls (such as erosion control fabric or bonded fiber matrix) until vegetation is established.
- Remove existing vegetation only when absolutely necessary, and seed or plant vegetation for erosion control on slopes or where construction is not immediately planned.
- Prevent sediment from migrating offsite and protect storm drain inlets, gutters, ditches, and drainage courses by installing and maintaining appropriate BMPs, such as fiber rolls, silt fences, sediment basins, gravel bags, berms, etc.
- Keep excavated soil on site and transfer it to dump trucks on site, not in the streets.

- Contaminated Soils**
- If any of the following conditions are observed, test for contamination and contact the Regional Water Quality Control Board:
 - Unusual soil conditions, discoloration, or odor.
 - Abandoned underground tanks.
 - Abandoned wells
 - Buried barrels, debris, or trash.

Paving/Asphalt Work



- Avoid paving and seal coating in wet weather or when rain is forecast, to prevent materials that have not cured from contacting stormwater runoff.
- Cover storm drain inlets and manholes when applying seal coat, tack coat, slurry seal, fog seal, etc.
- Collect and recycle or appropriately dispose of excess abrasive gravel or sand. Do NOT sweep or wash it into gutters.
- Do not use water to wash down fresh asphalt concrete pavement.

- Sawcutting & Asphalt/Concrete Removal**
- Protect nearby storm drain inlets when saw cutting. Use filter fabric, catch basin inlet filters, or gravel bags to keep slurry out of the storm drain system.
 - Shovel, absorb, or vacuum saw-cut slurry and dispose of all waste as soon as you are finished in one location or at the end of each work day (whichever is sooner!).
 - If sawcut slurry enters a catch basin, clean it up immediately.

Concrete, Grout & Mortar Application



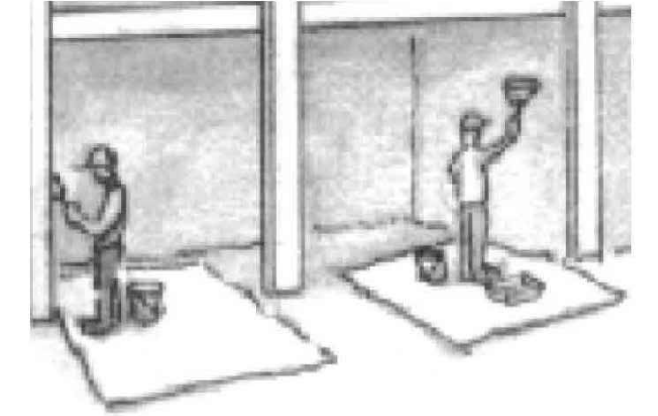
- Store concrete, grout, and mortar away from storm drains or waterways, and on pallets under cover to protect them from rain, runoff, and wind.
- Wash out concrete equipment/trucks offsite or in a designated washout area, where the water will flow into a temporary waste pit, and in a manner that will prevent leaching into the underlying soil or onto surrounding areas. Let concrete harden and dispose of as garbage.
- When washing exposed aggregate, prevent washwater from entering storm drains. Block any inlets and vacuum gutters, hose washwater onto dirt areas, or drain onto a bermed surface to be pumped and disposed of properly.

Landscaping



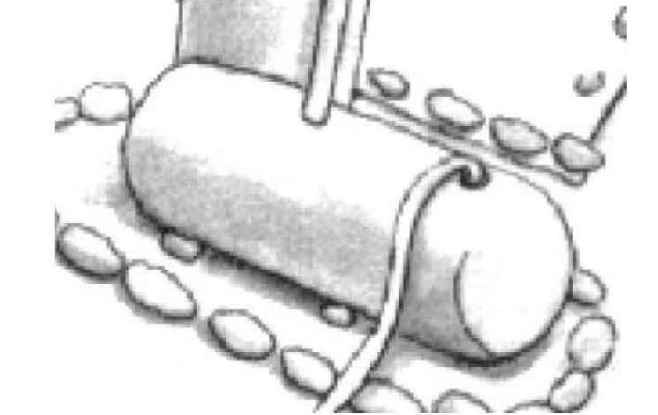
- Protect stockpiled landscaping materials from wind and rain by storing them under tarps all year-round.
- Stack bagged material on pallets and under cover.
- Discontinue application of any erodible landscape material within 2 days before a forecast rain event or during wet weather.

Painting & Paint Removal



- Painting Cleanup and Removal**
- Never clean brushes or rinse paint containers into a street, gutter, storm drain, or stream.
 - For water-based paints, paint out brushes to the extent possible, and rinse into a drain that goes to the sanitary sewer. Never pour paint down a storm drain.
 - For oil-based paints, paint out brushes to the extent possible and clean with thinner or solvent in a proper container. Filter and reuse thinners and solvents. Dispose of excess liquids as hazardous waste.
 - Paint chips and dust from non-hazardous dry stripping and sand blasting may be swept up or collected in plastic drop cloths and disposed of as trash.
 - Chemical paint stripping residue and chips and dust from marine paints or paints containing lead, mercury, or tributyltin must be disposed of as hazardous waste. Lead based paint removal requires a state-certified contractor.

Dewatering



- Discharges of groundwater or captured runoff from dewatering operations must be properly managed and disposed. When possible send dewatering discharge to landscaped area or sanitary sewer. If discharging to the sanitary sewer call your local wastewater treatment plant.
- Divert run-on water from offsite away from all disturbed areas.
- When dewatering, notify and obtain approval from the local municipality before discharging water to a street gutter or storm drain. Filtration or diversion through a basin, tank, or sediment trap may be required.
- In areas of known or suspected contamination, call your local agency to determine whether the ground water must be tested. Pumped groundwater may need to be collected and hauled off-site for treatment and proper disposal.

Storm drain polluters may be liable for fines of up to \$10,000 per day!

ISSUED FOR CONSTRUCTION

	HALEY ALDRICH HALEY & ALDRICH, INC. 785 Ygnacio Valley Road Walnut Creek, CA 94595 Tel: 925.935.9771 www.haleyaldrich.com		REVISION	DATE	DESIGNED BY: DPM	SLIP-OUT REPAIR		SCALE: AS SHOWN
			0	07/21/23	DRAWN BY: KV	2180 HIGGINS CANYON ROAD		DATE: JULY-2023
			CHECKED BY: SA			POLLUTION PREVENTION PLAN		FILE NO.: 1/5083
			ANN MADER STILLMAN, DIRECTOR OF PUBLIC WORKS COUNTY SAN MATEO			555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063		
			FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES			0 1 2 3 4		G-104 SHEET 05 OF 20

\\haleyaldrich.com\shared\granite\2023\0207666--sanmateo--slipoutrepair--2180higginscanyon\CD\207666-001_LC-104.dwg 7/28/23 01:53:43 PM kvrt



APPROVED:
 DATE: July 28, 2023
 ANN MADER STILLMAN,
 DIRECTOR OF PUBLIC WORKS
 R. C. E. # 47882 / EXPIRES 12-31-2023

LEGEND

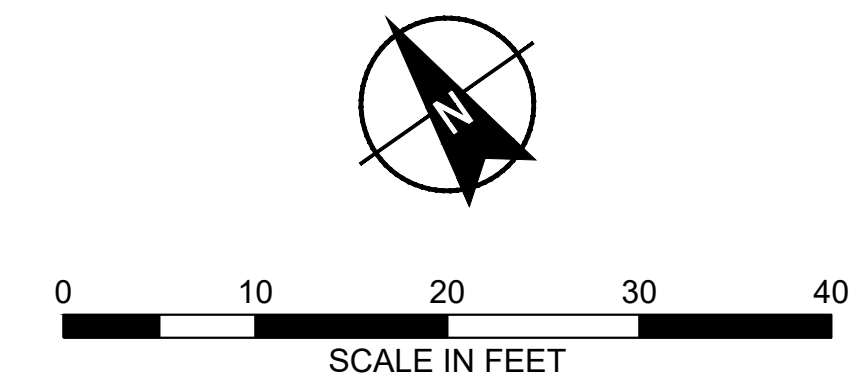
- PL — EXISTING PROPERTY LINE
- ES — EXISTING PROPERTY EASEMENT
- - - 310 - - - EXISTING CONTOUR MAJOR
- - - - - EXISTING CONTOUR MINOR
- SLIP — EXISTING SLIP BOUNDARY
- OE — EXISTING OVERHEAD ELECTRIC
- - - - - EXISTING ROADWAY
- - - - - EXISTING SLIPPED ROADWAY
- ⊙ GEOTECHNICAL TEST BORING LOCATION
- 2180 PROPERTY ADDRESS NUMBER

NOTES

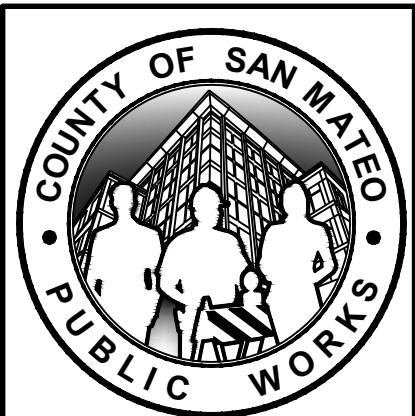
1. FOR SURVEY NOTES REFER TO SHEET G-103.



ISSUED FOR CONSTRUCTION



HALEY ALDRICH
 REGISTERED PROFESSIONAL ENGINEER
 SCOTT D. ALMADA
 C 048104
 EXP. 12/31/24
 785 Ygnacio Valley Road
 Walnut Creek, CA 94595
 Tel: 925.935.9771
 www.haleyaldrich.com
 PROJECT NO.: 0207686-001



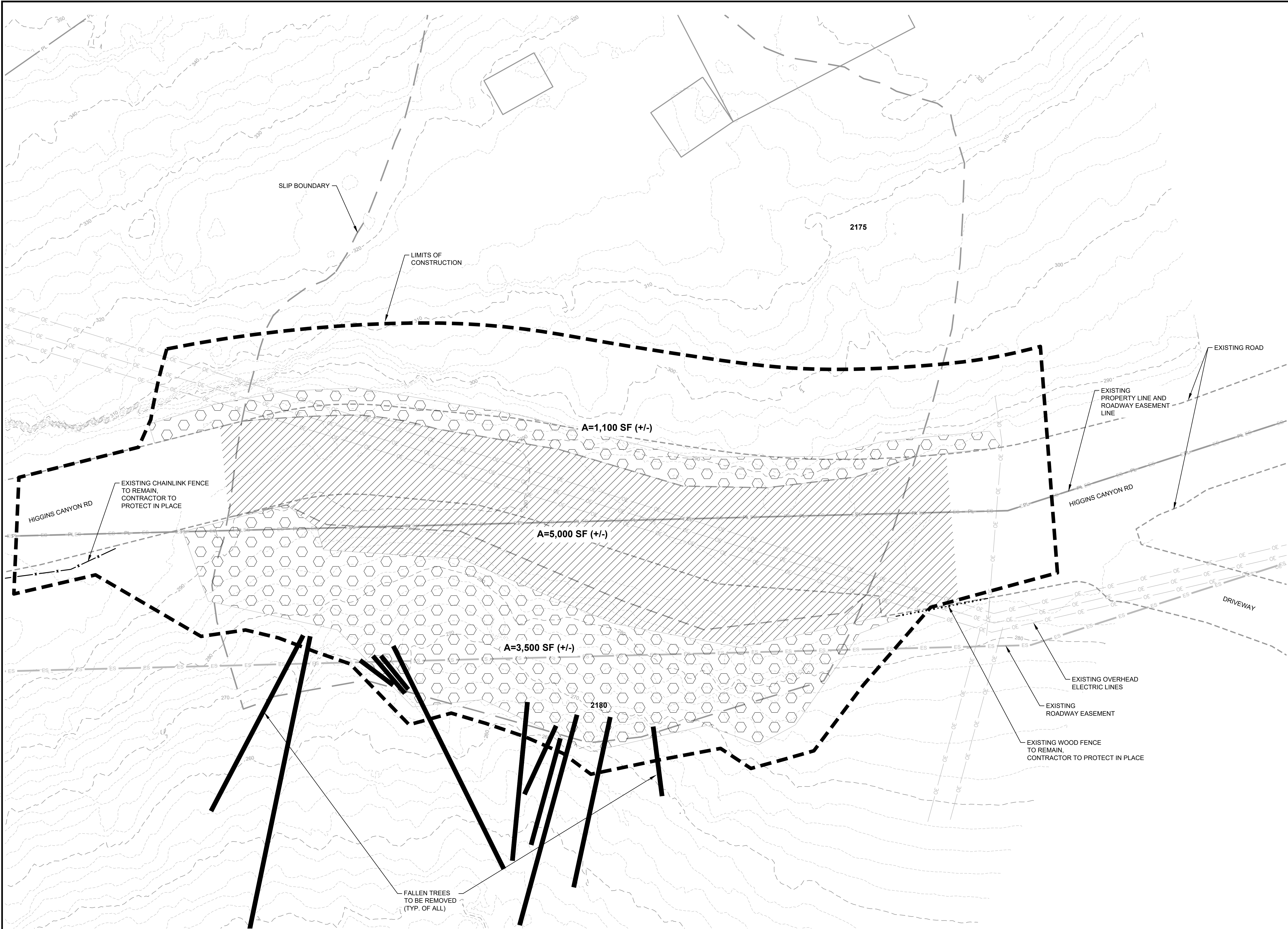
REVISION	DATE	DESIGNED BY: DPM	SCALE: AS SHOWN
0	07/21/23	DRAWN BY: KV	DATE: JULY-2023
		CHECKED BY: SA	FILE NO.: 1/5083
		ANN MADER STILLMAN, DIRECTOR OF PUBLIC WORKS COUNTY SAN MATEO	555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063
			C-100 SHEET 06 OF 20



\\haleyaldrich.com\share\granite\2023\0207686-slipoutrepair-2180higginscanyonrd\CAD\207686-001_C-100.dwg 7/28/23 01:53:54 PM kvrt



APPROVED:
 DATE: July 28, 2023
 ANN MADER STILLMAN,
 DIRECTOR OF PUBLIC WORKS
 R. C. E. # 47882 / EXPIRES 12-31-2023



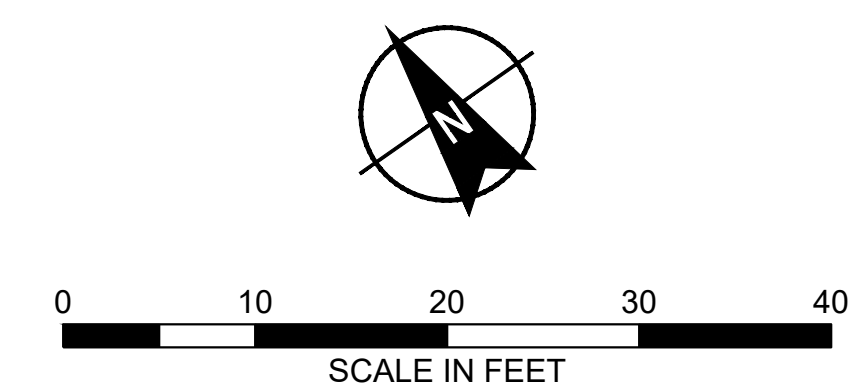
- LEGEND**
- PL — EXISTING PROPERTY LINE
 - ES — EXISTING PROPERTY EASEMENT
 - - - 310 - - - EXISTING CONTOUR MAJOR
 - EXISTING CONTOUR MINOR
 - — — EXISTING SLIP BOUNDARY
 - OE — EXISTING OVERHEAD ELECTRIC
 - - - EXISTING ROADWAY
 - - - EXISTING SLIPPED ROADWAY
 - 2180** PROPERTY ADDRESS NUMBER
 - ▨ AREA TO BE DEMOLISHED (ASPHALT REMOVED)
 - ⬡ AREA TO BE CLEARED OF VEGETATION (TREES REMOVED, CLEARED AND GRUBBED)
 - — — FALLEN TREES TO BE REMOVED
 - - - - - PROPOSED LIMITS OF CONSTRUCTION

NOTES
 1. FOR SURVEY NOTES REFER TO SHEET G-103.

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 HALEY & ALDRICH, INC.
 785 Ygnacio Valley Road
 Walnut Creek, CA 94595
 Tel: 925.935.9771
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REVISION	DATE	DESIGNED BY: DPM	SLIP-OUT REPAIR 2180 HIGGINS CANYON ROAD	SCALE: AS SHOWN
0	07/21/23	DRAWN BY: KV	DEMOLITION, CLEAR AND GRUB PLAN	DATE: JULY-2023
		CHECKED BY: SA		FILE NO.: 1/5083
ANN MADER STILLMAN, DIRECTOR OF PUBLIC WORKS COUNTY SAN MATEO			555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063	

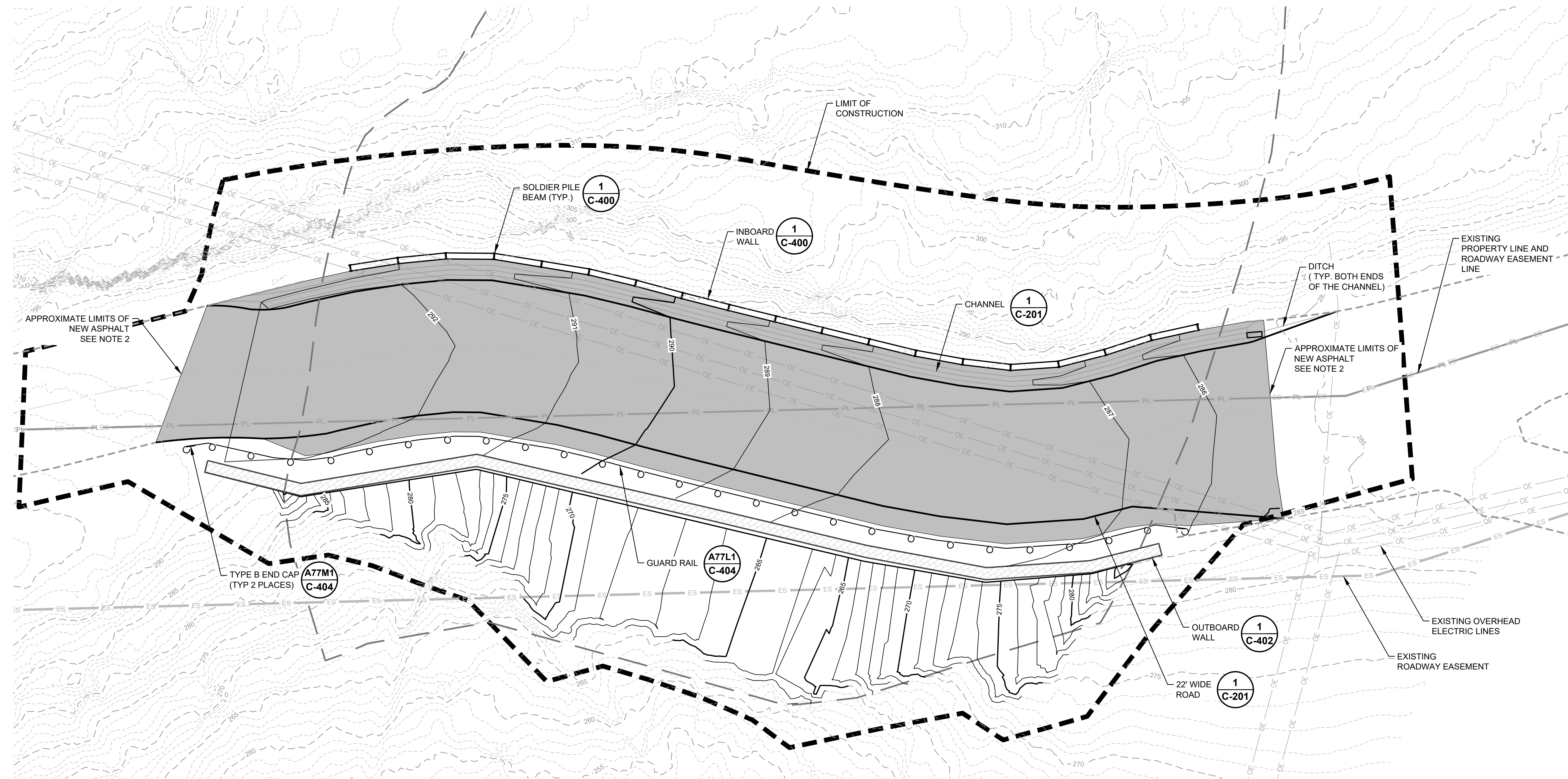


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FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES **C-101**
 SHEET 07 OF 20



APPROVED:
 DATE: July 28, 2023
 ANN MADER STILLMAN,
 DIRECTOR OF PUBLIC WORKS
 R. C. E. # 47882 / EXPIRES 12-31-2023



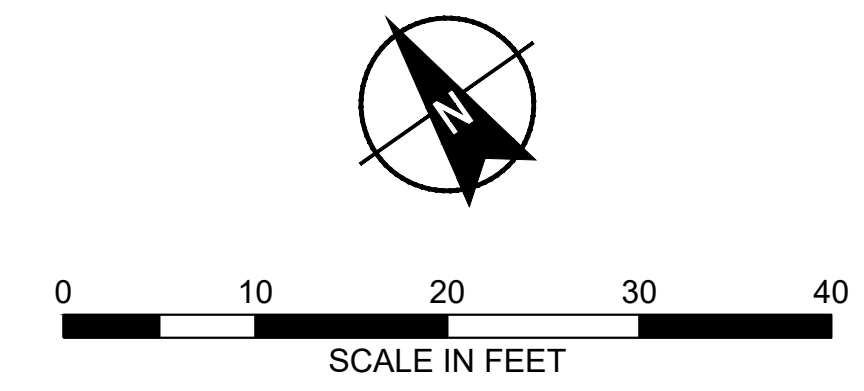
LEGEND

— PL —	EXISTING PROPERTY LINE
— ES —	EXISTING PROPERTY EASEMENT
- - - 310 - - -	EXISTING CONTOUR MAJOR
- - - 300 - - -	EXISTING CONTOUR MINOR
—	EXISTING SLIP BOUNDARY
— OE —	EXISTING OVERHEAD ELECTRIC
- - -	EXISTING ROADWAY
- - -	EXISTING SLIPPED ROADWAY
- - - - -	PROPOSED LIMITS OF CONSTRUCTION
— 290 —	PROPOSED CONTOUR MAJOR
— 289 —	PROPOSED CONTOUR MINOR
▨	LIMITS OF ASPHALT (NOTE 2)
○	PROPOSED GUARDRAIL

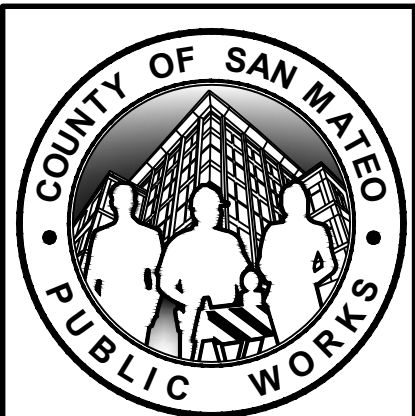
- NOTES**
- FOR SURVEY NOTES REFER TO SHEET G-103.
 - LIMITS OF ASPHALT SHOWN AT THE ENDS OF NEW WORK ALONG HIGGINS CANYON ROAD ARE APPROXIMATE. THE ACTUAL LIMIT OF PAVING WILL BE FIELD DETERMINED BASED ON THE QUALITY AND COMPETENCE OF THE EXISTING PAVEMENT TO BE TIED INTO.

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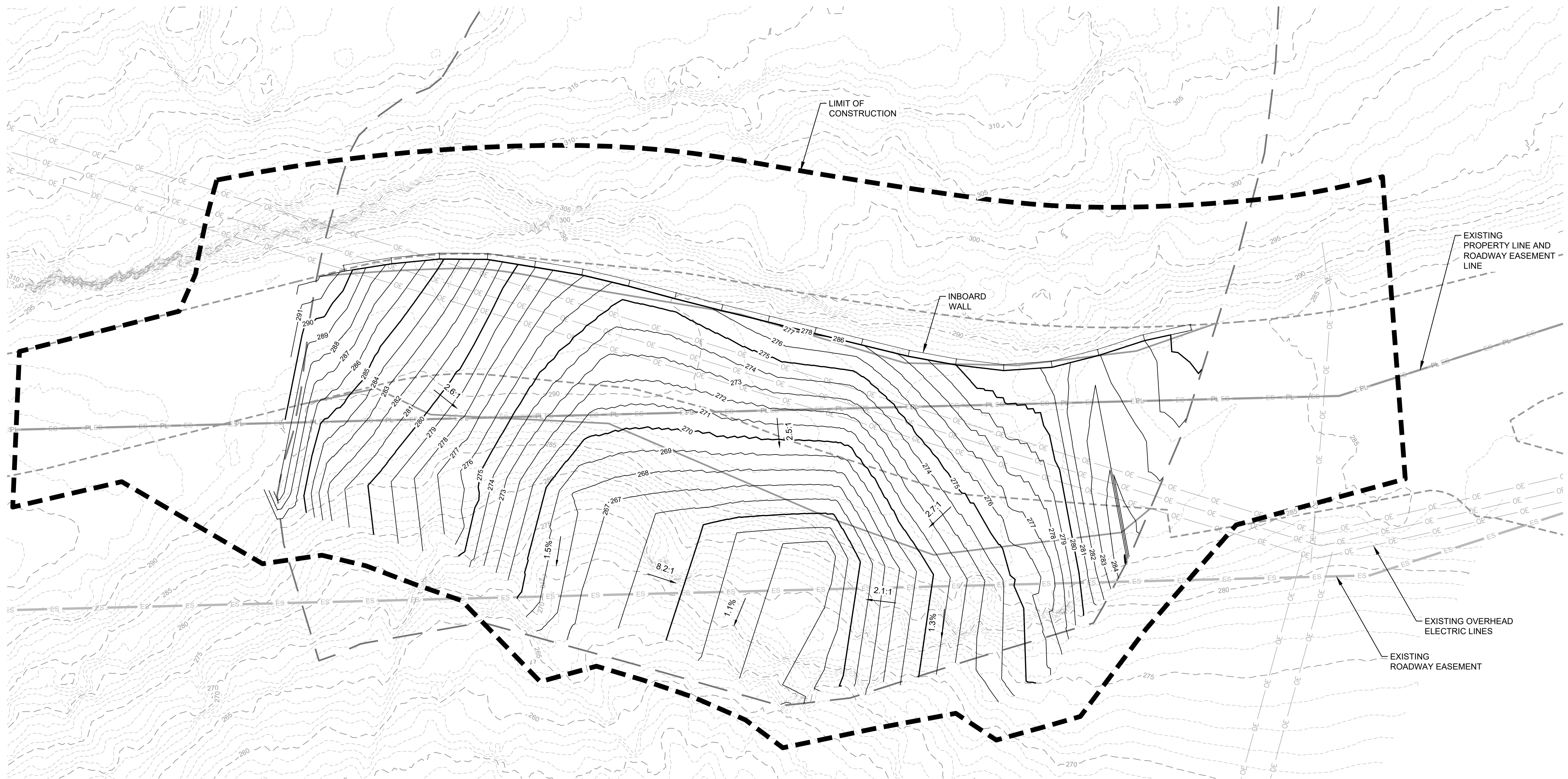
HALEY ALDRICH
 HALEY & ALDRICH, INC.
 785 Ygnacio Valley Road
 Walnut Creek, CA 94595
 Tel: 925.935.9771
 www.haleyaldrich.com
 PROJECT NO.: 0207686-001



REVISION	DATE	DESIGNED BY: DPM	SLIP-OUT REPAIR 2180 HIGGINS CANYON ROAD	SCALE: AS SHOWN
0	07/21/23	DRAWN BY: KV	SITE PLAN	DATE: JULY-2023
		CHECKED BY: SA		FILE NO.: 1/5083
ANN MADER STILLMAN, DIRECTOR OF PUBLIC WORKS COUNTY SAN MATEO			555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063	
FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES			0 1 2 3 4	
			C-102 SHEET 08 OF 20	



APPROVED:
 DATE: July 28, 2023
 ANN MADER STILLMAN,
 DIRECTOR OF PUBLIC WORKS
 R. C. E. # 47882 / EXPIRES 12-31-2023

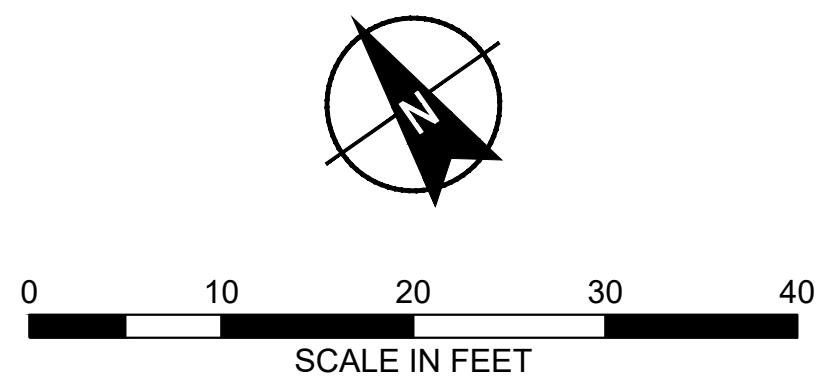


- LEGEND**
- PL — EXISTING PROPERTY LINE
 - ES — EXISTING PROPERTY EASEMENT
 - - - 310 - - - EXISTING CONTOUR MAJOR
 - - - - - EXISTING CONTOUR MINOR
 - — — EXISTING SLIP BOUNDARY
 - OE — EXISTING OVERHEAD ELECTRIC
 - - - - - EXISTING ROADWAY
 - - - - - EXISTING SLIPPED ROADWAY
 - — — PROPOSED LIMITS OF CONSTRUCTION
 - 285 — PROPOSED CONTOUR MAJOR
 - 284 — PROPOSED CONTOUR MINOR

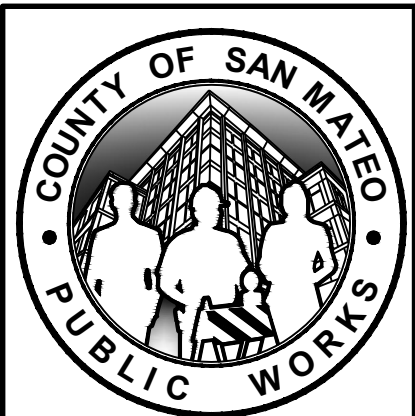
NOTES
 1. FOR SURVEY NOTES REFER TO SHEET G-103.

\\haleyaldrich.com\share\granite\2023\0207686-001_C-103.dwg 7/28/23 01:54:31 PM kverl

ISSUED FOR CONSTRUCTION



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 HALEY & ALDRICH, INC.
 785 Ygnacio Valley Road
 Walnut Creek, CA 94595
 Tel: 925.935.9771
 www.haleyaldrich.com
 PROJECT NO.: 0207686-001

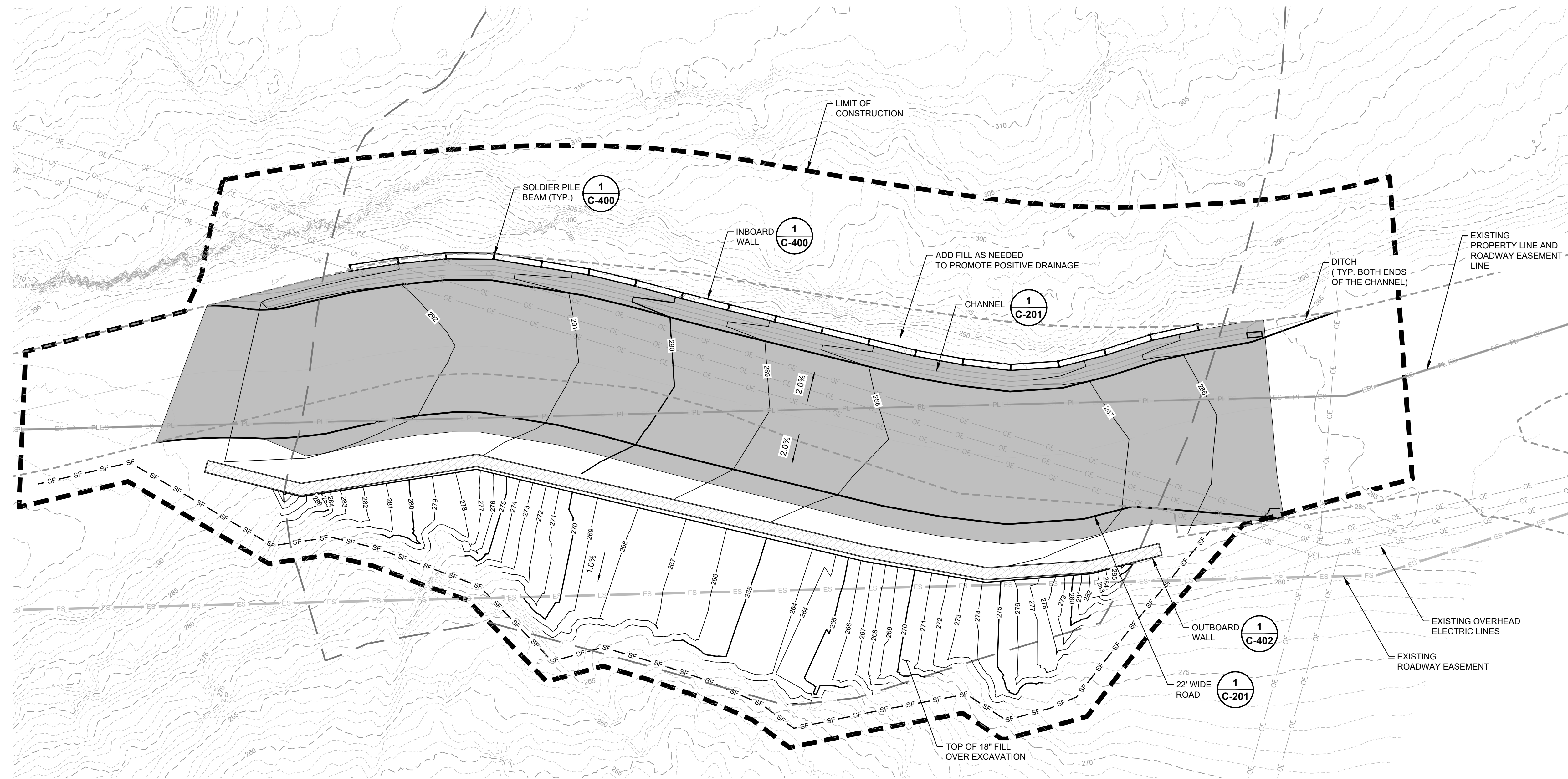


REVISION	DATE	DESIGNED BY: DPM	SLIP-OUT REPAIR 2180 HIGGINS CANYON ROAD	SCALE: AS SHOWN
0	07/21/23	DRAWN BY: KV	EXCAVATION PLAN	DATE: JULY-2023
		CHECKED BY: SA	ANN MADER STILLMAN, DIRECTOR OF PUBLIC WORKS COUNTY SAN MATEO	FILE NO.: 1/5083
			555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063	C-103 SHEET 09 OF 20

FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES



APPROVED:
 DATE: July 28, 2023
 ANN MADER STILLMAN,
 DIRECTOR OF PUBLIC WORKS
 R. C. E. # 47882 / EXPIRES 12-31-2023

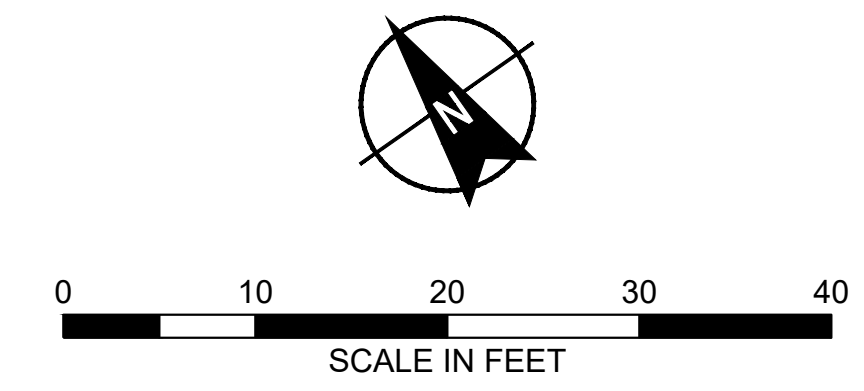


- LEGEND**
- PL — EXISTING PROPERTY LINE
 - ES — EXISTING PROPERTY EASEMENT
 - - - 310 - - - EXISTING CONTOUR MAJOR
 - - - - - EXISTING CONTOUR MINOR
 - — — EXISTING SLIP BOUNDARY
 - OE — EXISTING OVERHEAD ELECTRIC
 - - - - - EXISTING ROADWAY
 - - - - - EXISTING SLIPPED ROADWAY
 - - - - - PROPOSED LIMITS OF CONSTRUCTION
 - 290 — PROPOSED CONTOUR MAJOR
 - 289 — PROPOSED CONTOUR MINOR
 - — — PROPOSED ROADWAY
 - SF - SF - PROPOSED SILT FENCE
 - LIMITS OF ASPHALT

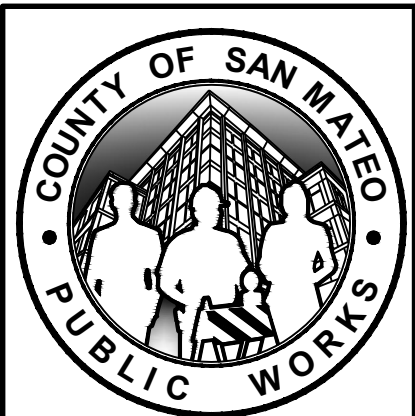
NOTES
 1. FOR SURVEY NOTES REFER TO SHEET G-103.

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 HALEY & ALDRICH, INC.
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 Walnut Creek, CA 94595
 Tel: 925.935.9771
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 PROJECT NO.: 0207686-001

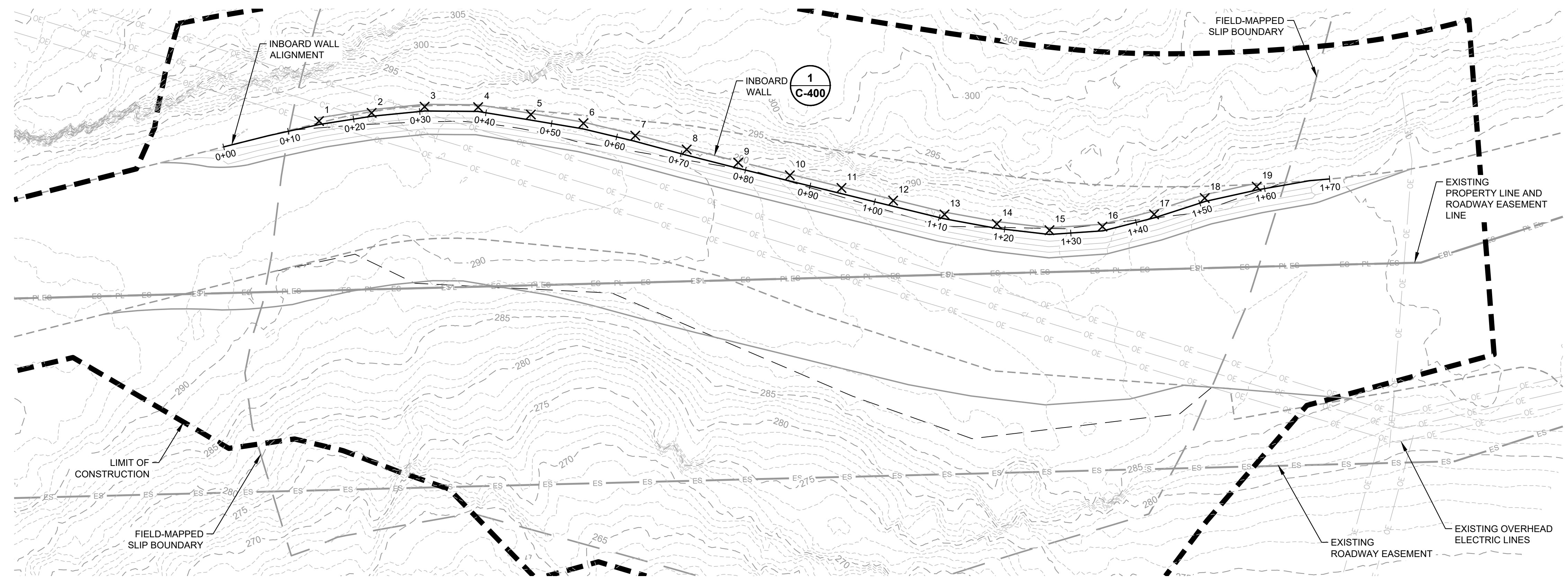


REVISION	DATE	DESIGNED BY: DPM	SLIP-OUT REPAIR 2180 HIGGINS CANYON ROAD FINAL GRADING AND DRAINAGE PLAN	SCALE: AS SHOWN
0	07/21/23	DRAWN BY: KV		DATE: JULY-2023
		CHECKED BY: SA		FILE NO.: 1/5083
ANN MADER STILLMAN, DIRECTOR OF PUBLIC WORKS COUNTY SAN MATEO			555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063	
FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES				

C-104
SHEET 10 OF 20



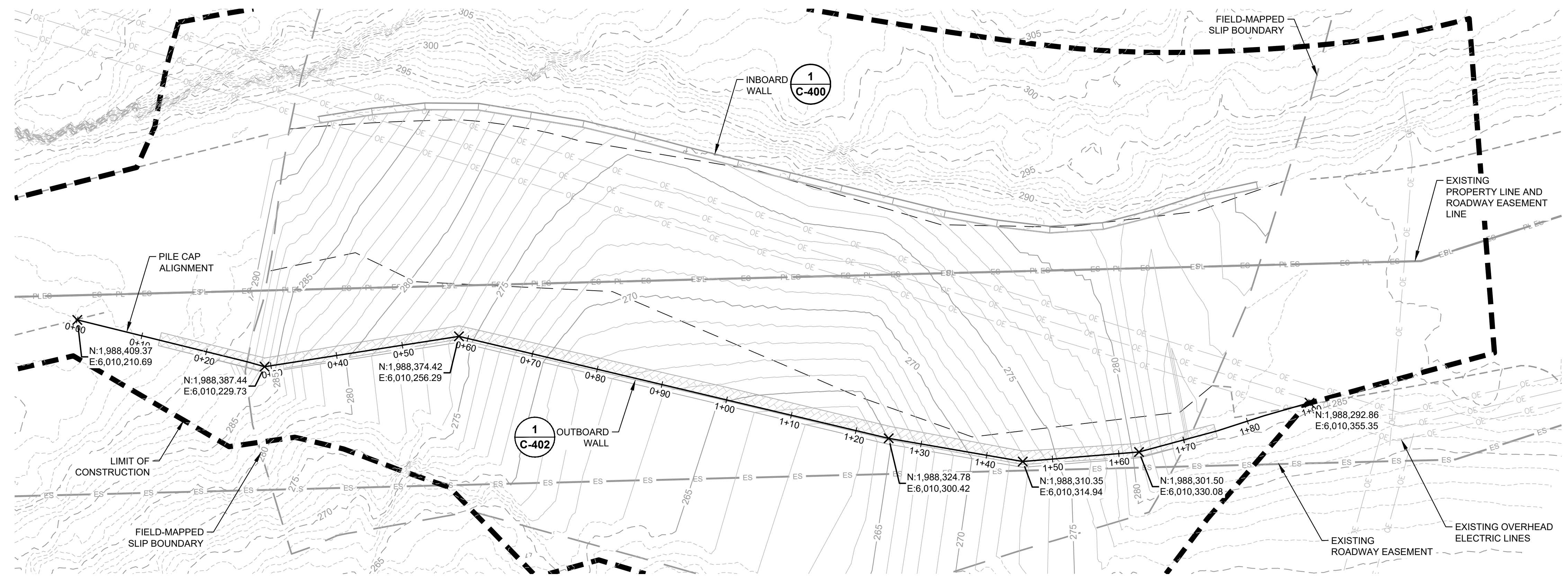
APPROVED:
 DATE: July 28, 2023
 ANN MADER STILLMAN,
 DIRECTOR OF PUBLIC WORKS
 R. C. E. # 47882 / EXPIRES 12-31-2023



INBOARD WALL PLAN
 0 10 20 30 40
 SCALE IN FEET

LEGEND

	EXISTING PROPERTY LINE
	EXISTING CONTOUR MAJOR
	EXISTING CONTOUR MINOR
	EXISTING SLIP BOUNDARY
	EXISTING OVERHEAD ELECTRIC
	EXISTING PROPERTY EASEMENT
	EXISTING ROADWAY
	EXISTING SLIPPED ROADWAY
	PROPOSED LIMITS OF CONSTRUCTION
	PROPOSED ROADWAY
	PROPOSED SOLDIER PILE CENTERLINE
	PROPOSED CONTOUR MAJOR
	PROPOSED CONTOUR MINOR
	PROPOSED CONTOUR MAJOR (EXCAVATION)
	PROPOSED CONTOUR MINOR (EXCAVATION)



OUTBOARD WALL PLAN
 0 10 20 30 40
 SCALE IN FEET

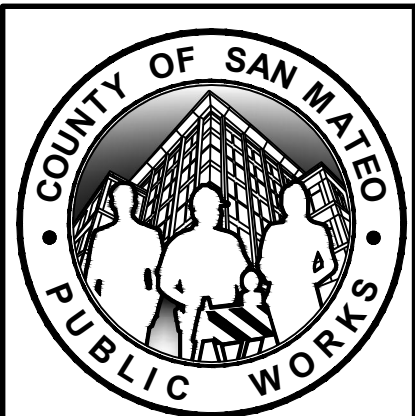
- NOTES**
- FOR SURVEY NOTES REFER TO SHEET G-103.
 - THE INBOARD WALL ALIGNMENT REPRESENTS THE FACE OF THE WALL TOWARDS THE ROAD.
 - REFER TO SHEET C-400 FOR SOLDIER PILE CENTER COORDINATES.
 - THE OUTBOARD WALL ALIGNMENT REPRESENTS THE CENTERLINE OF THE PILE CAP.
 - REFER TO SHEET C-403 FOR PILE CENTER COORDINATES.

ISSUED FOR CONSTRUCTION

HALEY ALDRICH
 REGISTERED PROFESSIONAL ENGINEER
 SCOTT D. ALMADA
 C 048104
 EXPIRES 12/31/24
 STATE OF CALIFORNIA

HALEY & ALDRICH, INC.
 785 Ygnacio Valley Road
 Walnut Creek, CA 94595
 Tel: 925.935.9771
 www.haleyaldrich.com

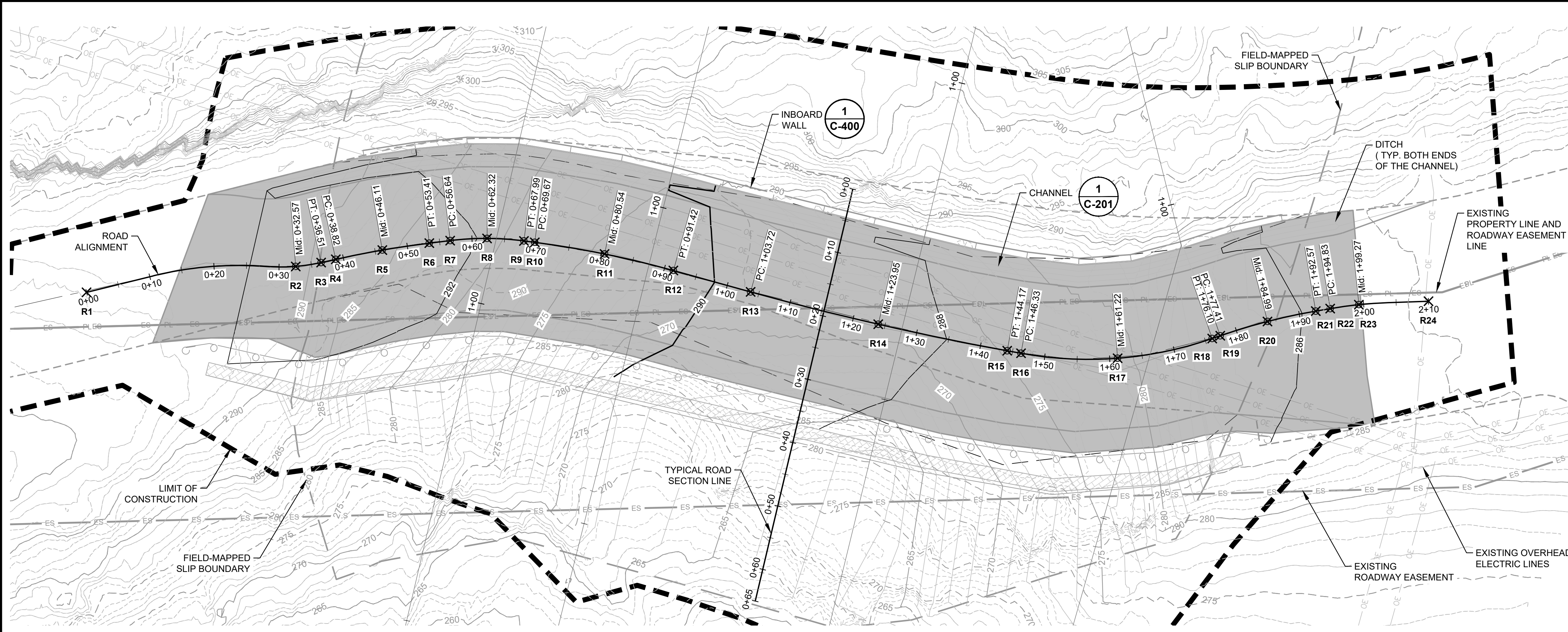
PROJECT NO.: 0207686-001



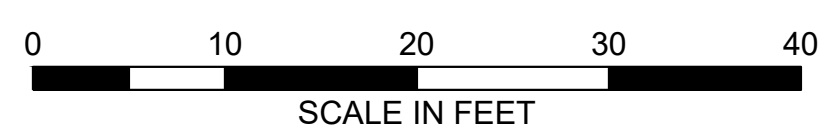
REVISION	DATE	DESIGNED BY: DPM	SLIP-OUT REPAIR 2180 HIGGINS CANYON ROAD	SCALE: AS SHOWN
0	07/21/23	DRAWN BY: KV	INBOARD AND OUTBOARD WALL ALIGNMENT PLAN	DATE: JULY-2023
		CHECKED BY: SA		FILE NO.: 1/5083
ANN MADER STILLMAN, DIRECTOR OF PUBLIC WORKS COUNTY SAN MATEO			555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063	C-200 SHEET 11 OF 20

FOR REDUCED PLANS
 ORIGINAL SCALE IS IN INCHES

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ROAD PLAN



POINT TABLE		
DESCRIPTION	NORTHING	EASTING
R1	1988420.14	6010210.74
R2	1988404.96	6010239.33
R3	1988403.21	6010242.86
R4	1988402.33	6010244.99
R5	1988399.39	6010251.67
R6	1988396.13	6010258.19
R7	1988394.61	6010261.04
R8	1988391.63	6010265.87
R9	1988388.07	6010270.29
R10	1988386.94	6010271.53
R11	1988379.32	6010279.28
R12	1988371.18	6010286.49
R13	1988361.69	6010294.32
R14	1988346.38	6010307.53
R15	1988331.69	6010321.42
R16	1988330.15	6010322.94
R17	1988321.02	6010334.65
R18	1988315.16	6010348.29
R19	1988314.81	6010349.54
R20	1988312.44	6010356.74
R21	1988309.49	6010363.73
R22	1988308.53	6010365.77
R23	1988306.50	6010369.72
R24	1988300.80	6010378.78



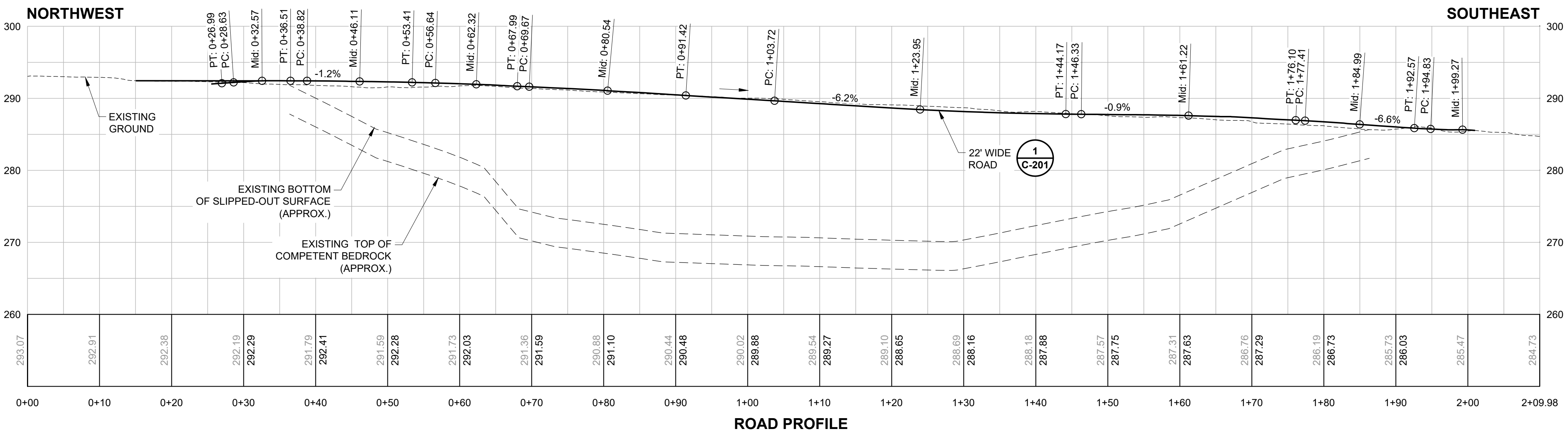
APPROVED:
 DATE: July 28, 2023
 ANN MADER STILLMAN,
 DIRECTOR OF PUBLIC WORKS
 R. C. E. # 47882 / EXPIRES 12-31-2023

LEGEND

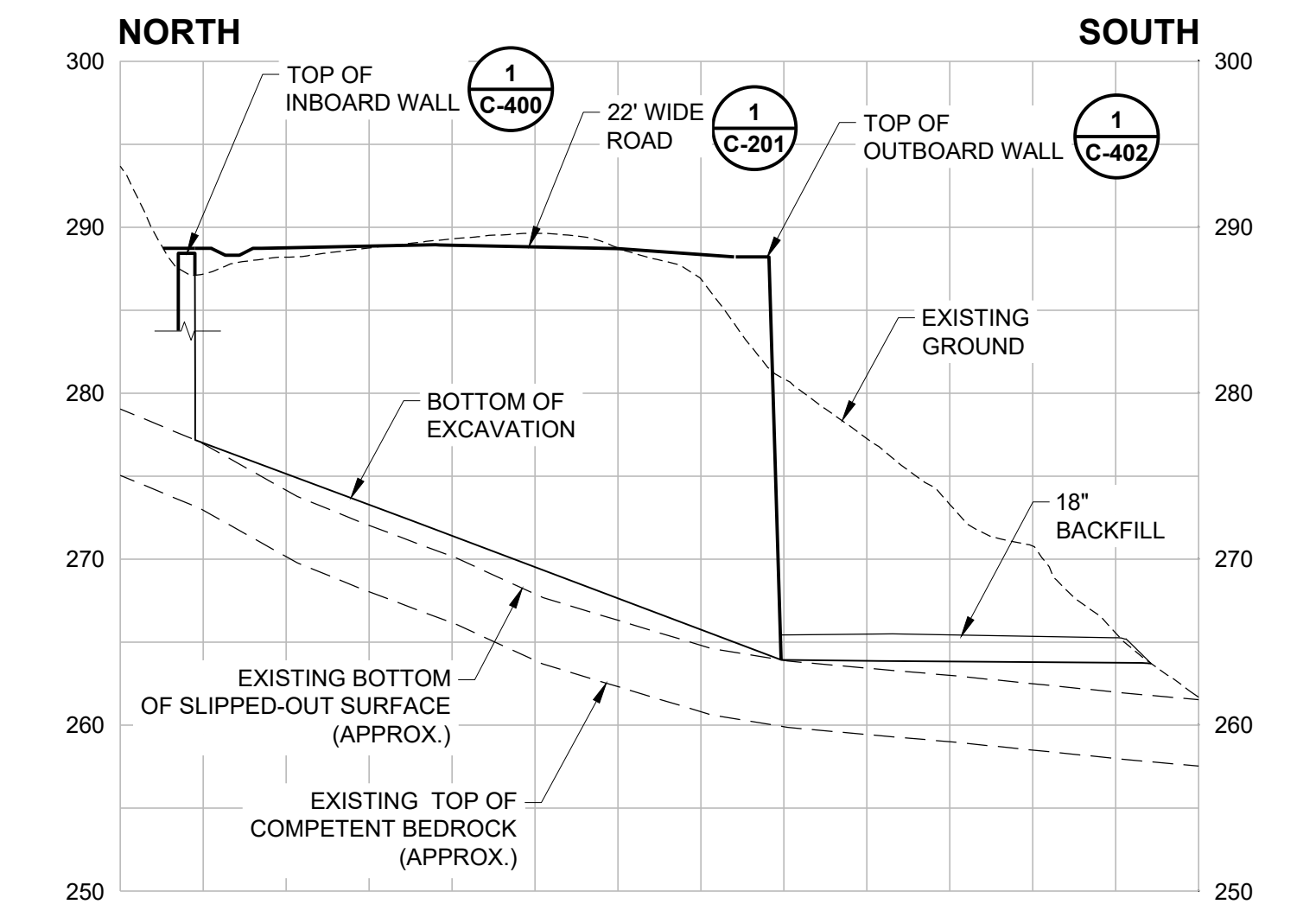
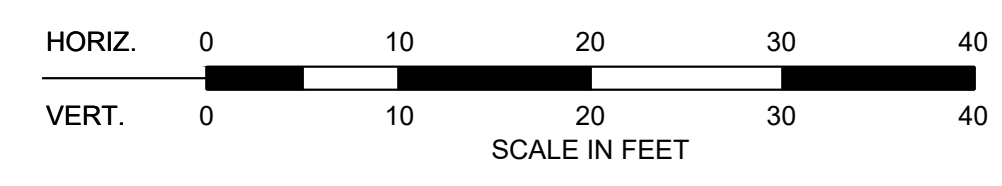
- EXISTING PROPERTY LINE
- - - 310 - - - EXISTING CONTOUR MAJOR
- - - EXISTING CONTOUR MINOR
- - - EXISTING SLIP BOUNDARY
- - - OE - - - EXISTING OVERHEAD ELECTRIC
- - - ES - - - EXISTING PROPERTY EASEMENT
- - - EXISTING ROADWAY
- - - EXISTING SLIPPED ROADWAY
- PROPOSED LIMITS OF CONSTRUCTION
- - - 290 - - - PROPOSED CONTOUR MAJOR
- - - 289 - - - PROPOSED CONTOUR MINOR
- - - 290 - - - PROPOSED CONTOUR MAJOR (EXCAVATION)
- - - 290 - - - PROPOSED CONTOUR MINOR (EXCAVATION)
- - - PROPOSED ROADWAY
- PROPOSED GUARDRAIL
- LIMITS OF ASPHALT

NOTES

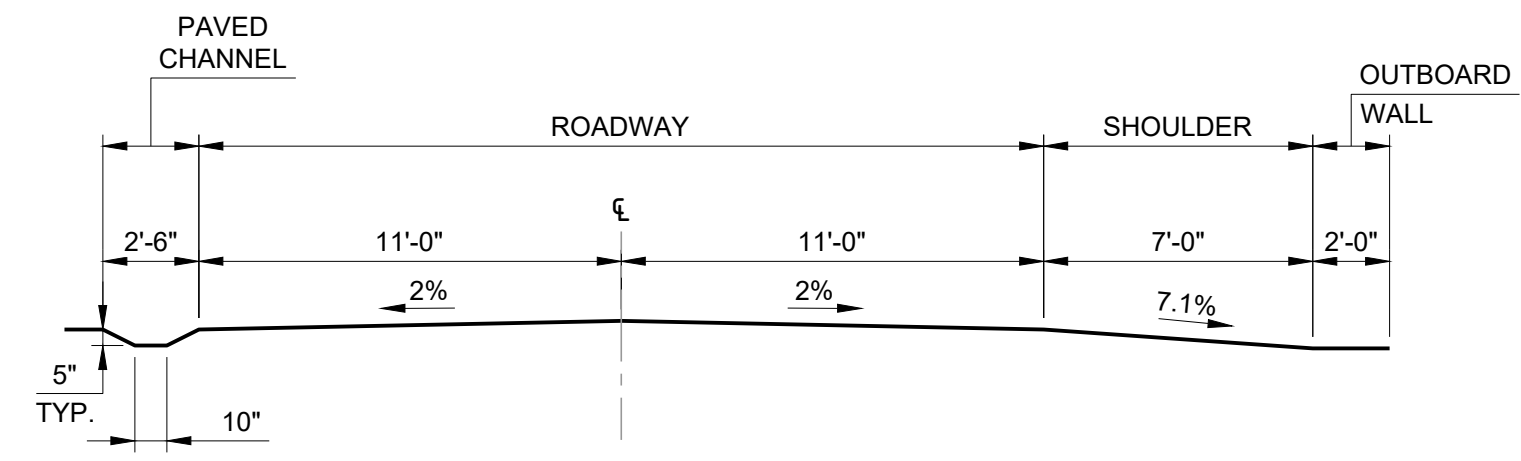
1. FOR SURVEY NOTES REFER TO SHEET G-103.



ROAD PROFILE



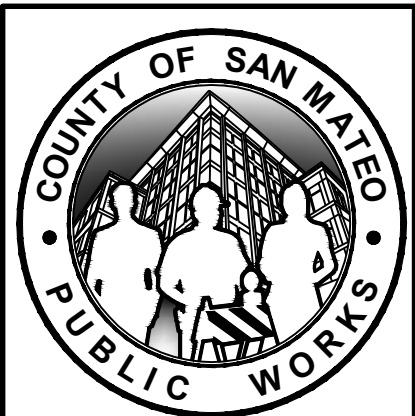
TYPICAL ROAD SECTION



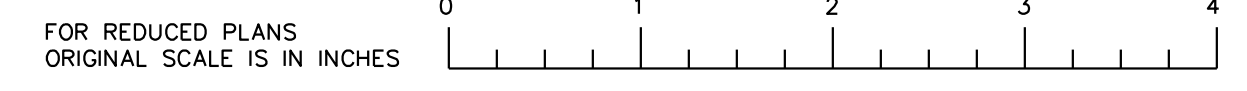
22' WIDE ROAD GEOMETRIC SECTION
 NOT TO SCALE

ISSUED FOR CONSTRUCTION

HALEY ALDRICH
 HALEY & ALDRICH, INC.
 785 Ygnacio Valley Road
 Walnut Creek, CA 94595
 Tel: 925.935.9771
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 PROJECT NO.: 0207686-001



REVISION	DATE	DESIGNED BY: DPM	SLIP-OUT REPAIR 2180 HIGGINS CANYON ROAD	SCALE: AS SHOWN
0	07/21/23	DRAWN BY: KV	ROAD PLAN, PROFILE AND TYPICAL SECTION	DATE: JULY-2023
		CHECKED BY: SA	ANN MADER STILLMAN, DIRECTOR OF PUBLIC WORKS COUNTY SAN MATEO	FILE NO.: 1/5083
			555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063	

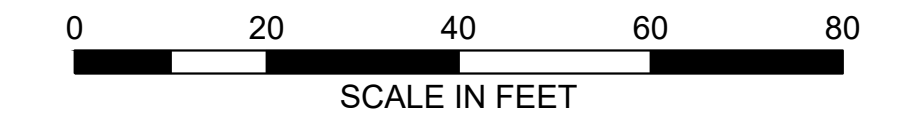
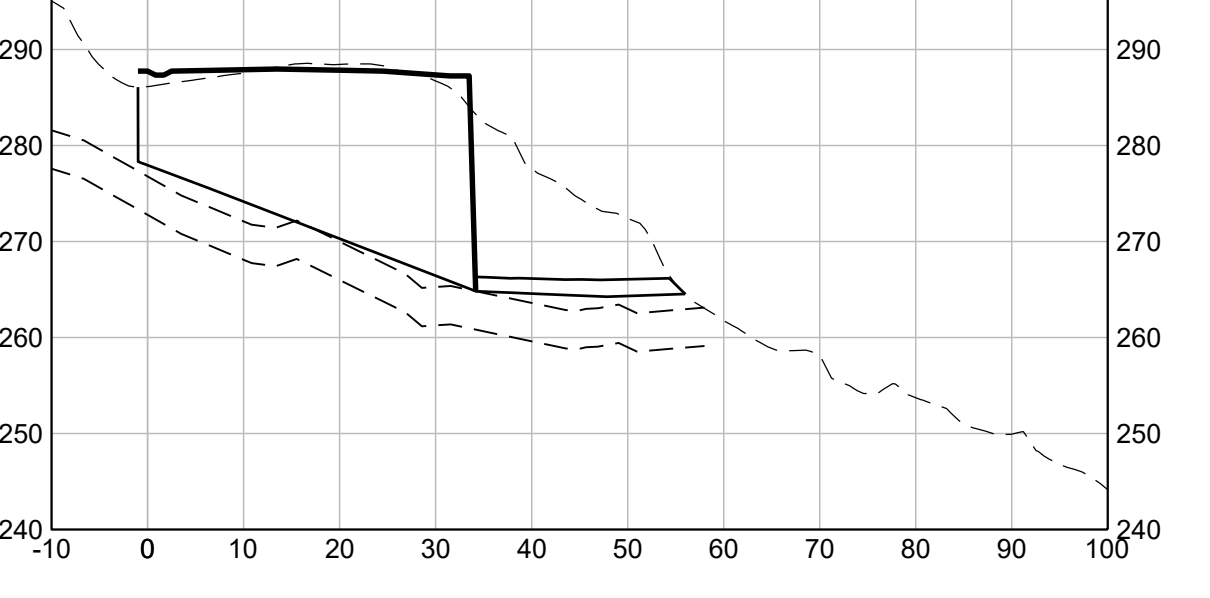
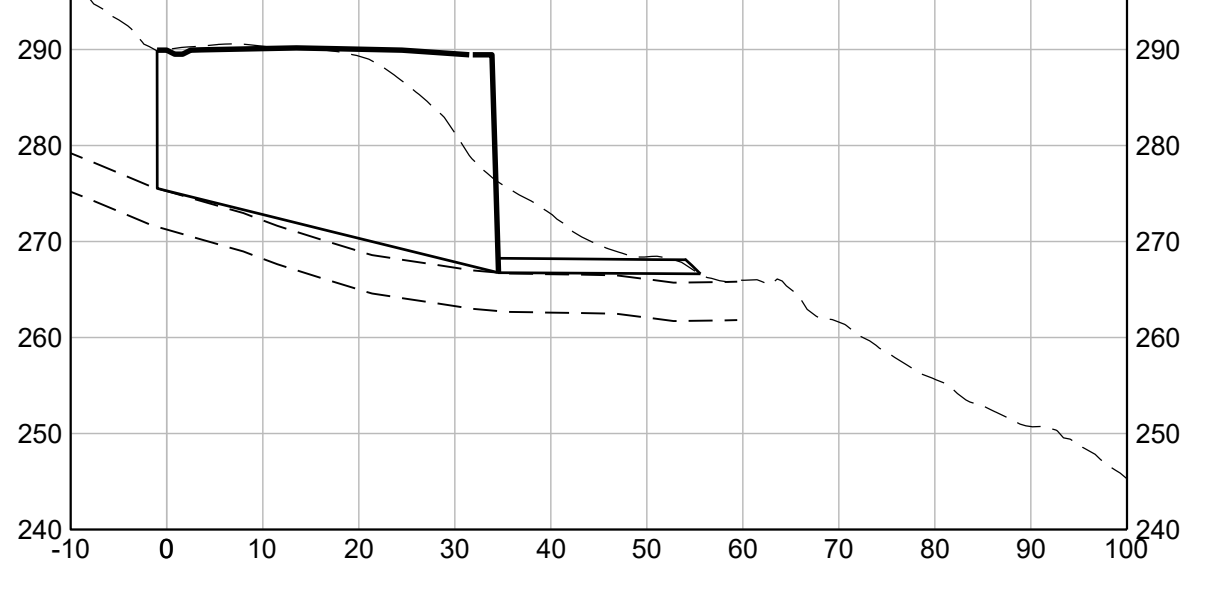
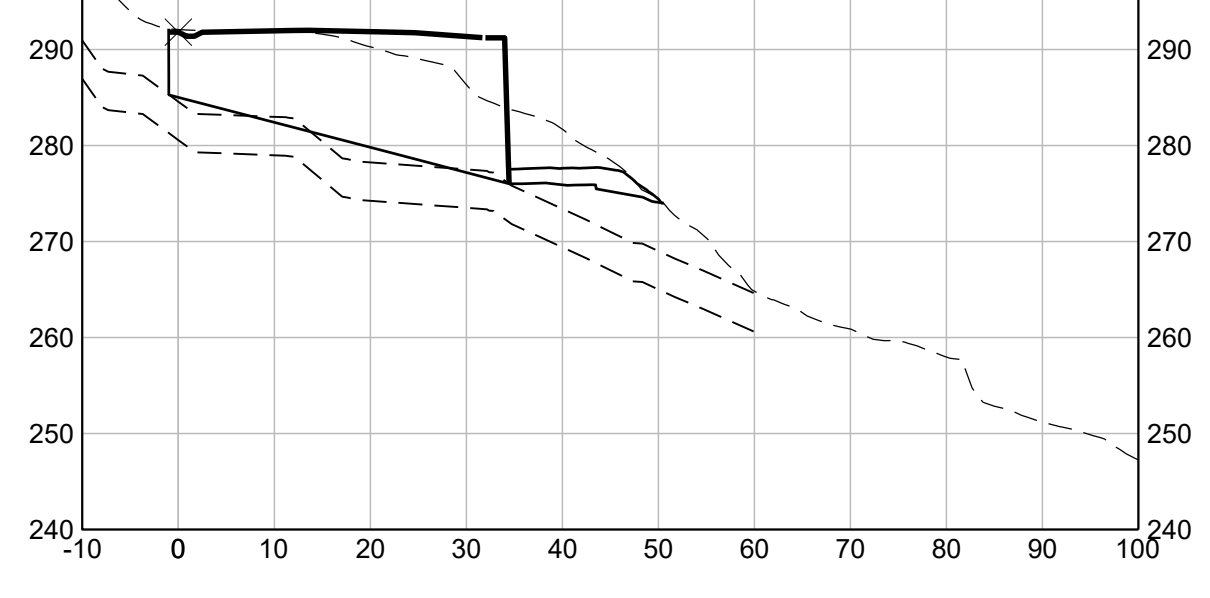
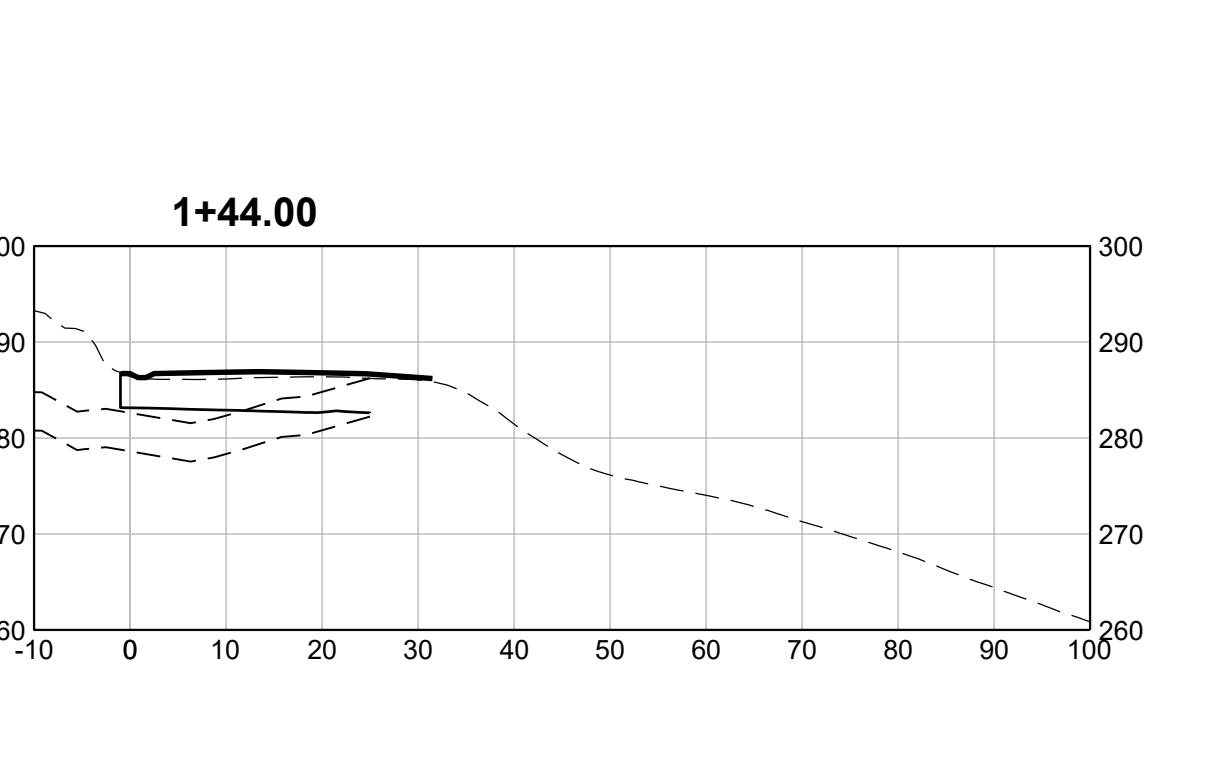
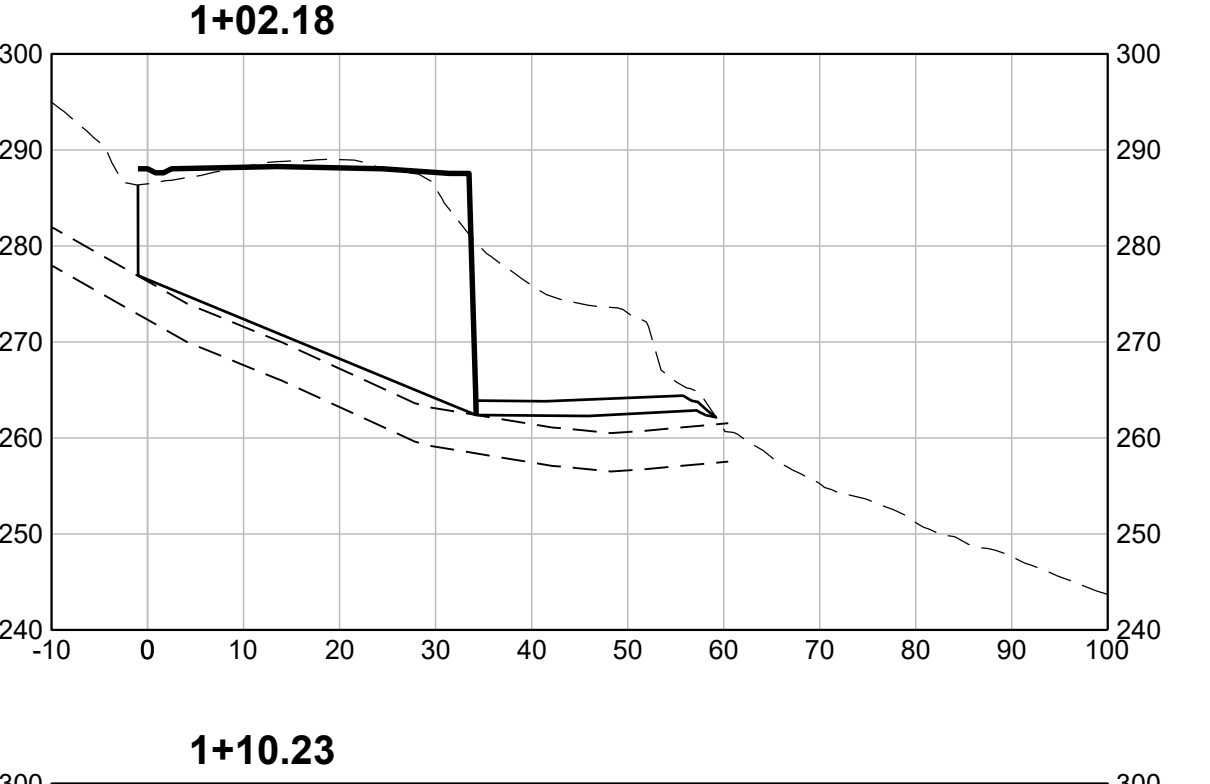
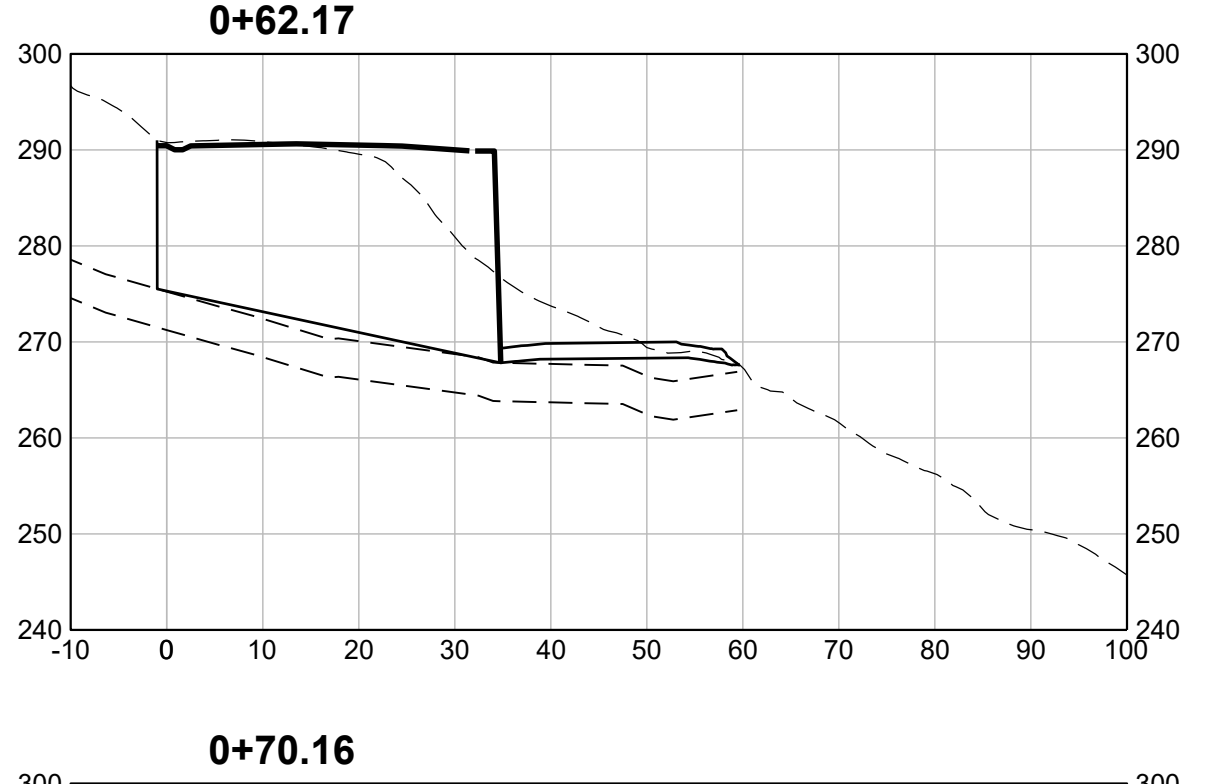
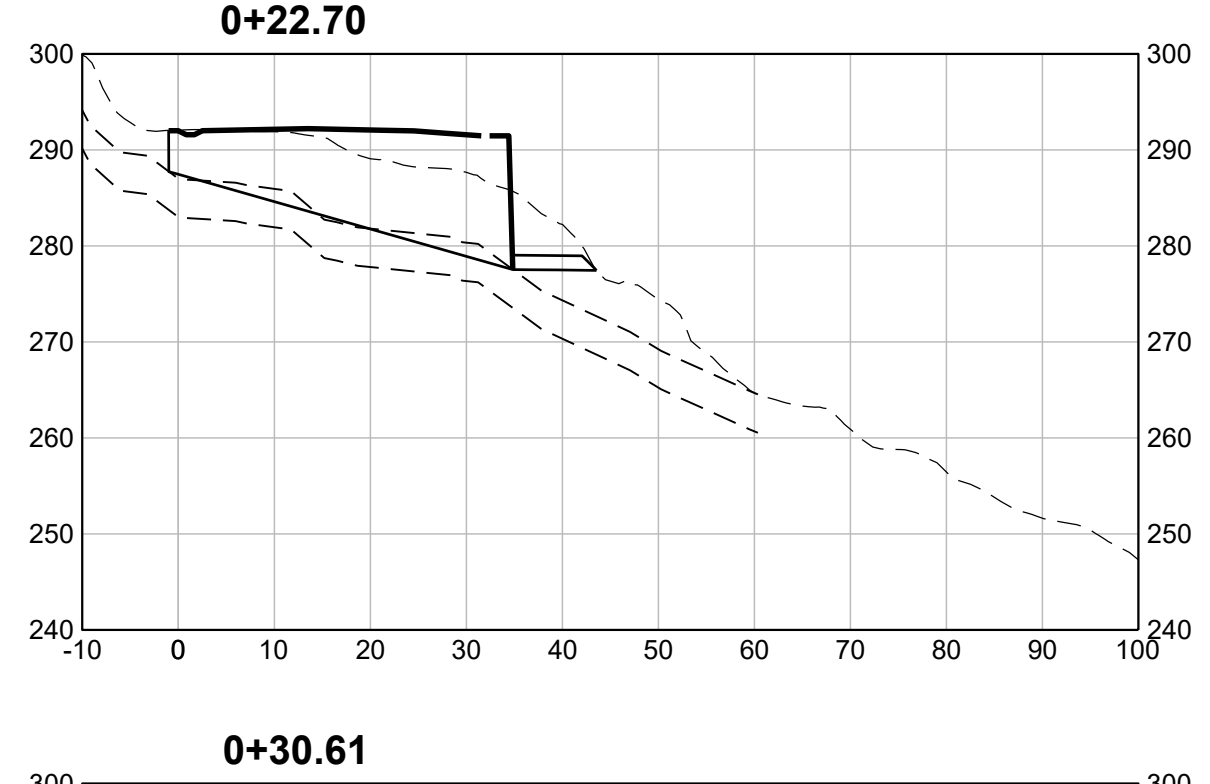
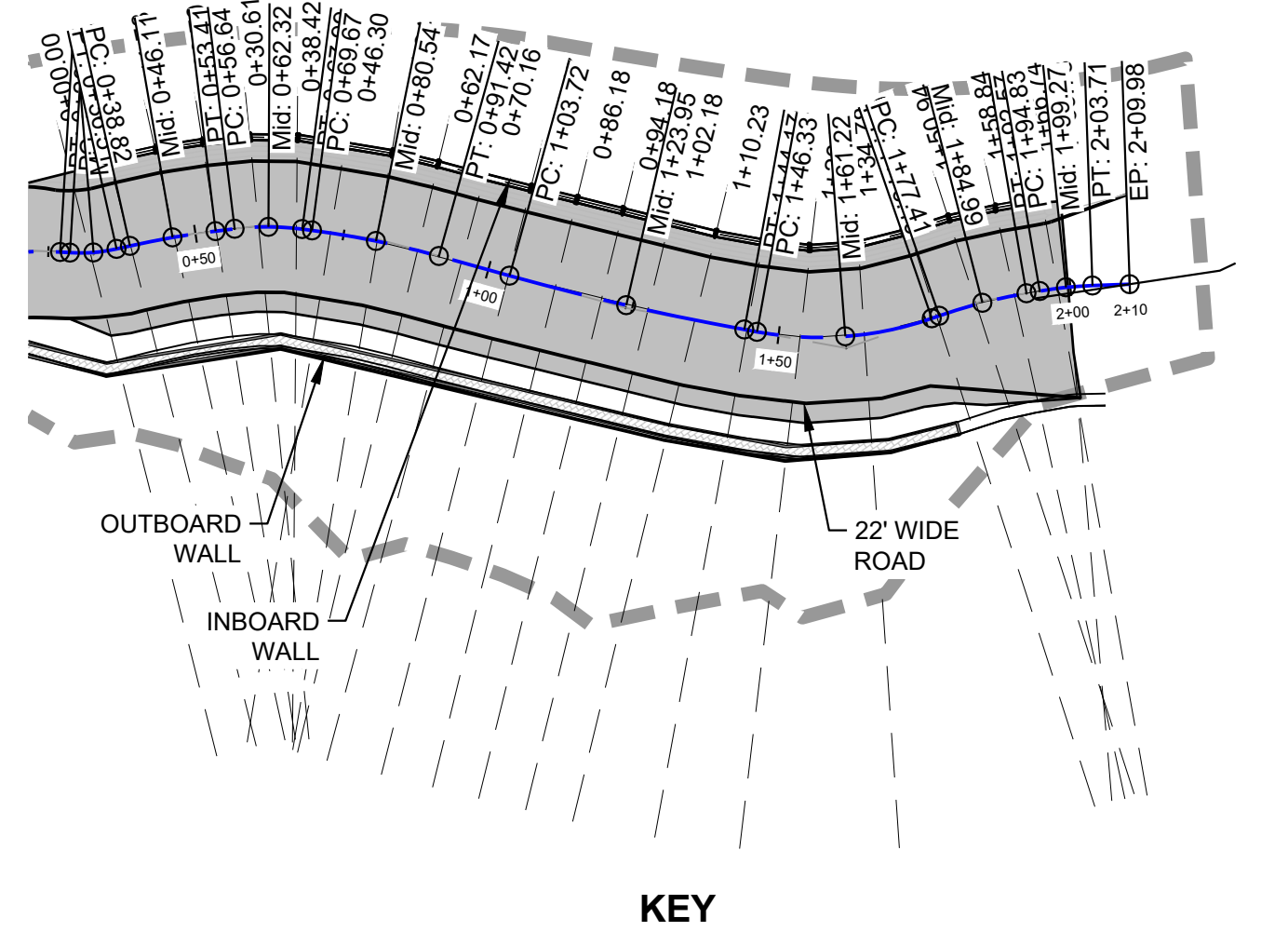
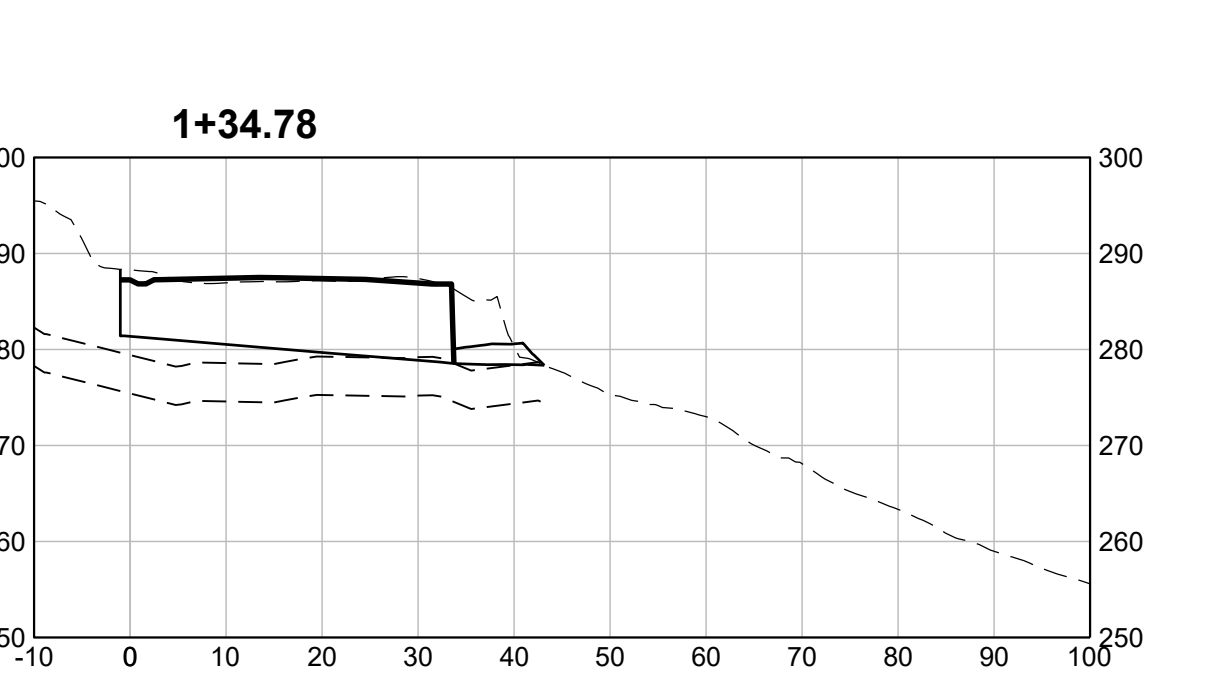
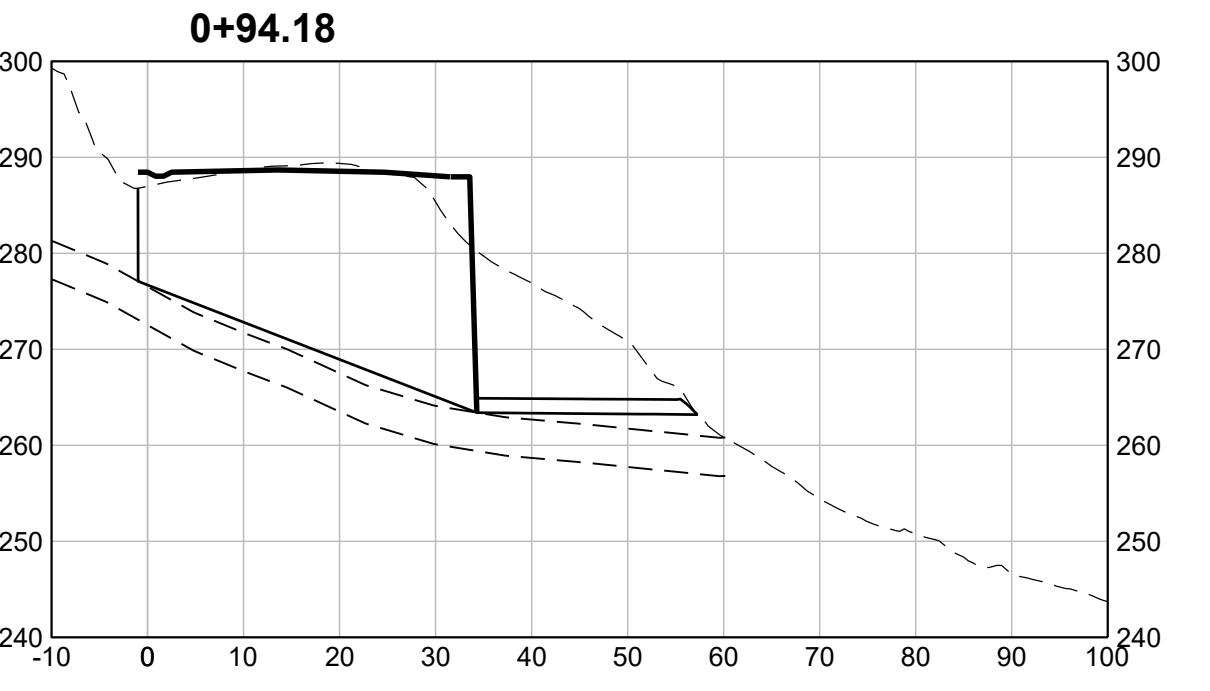
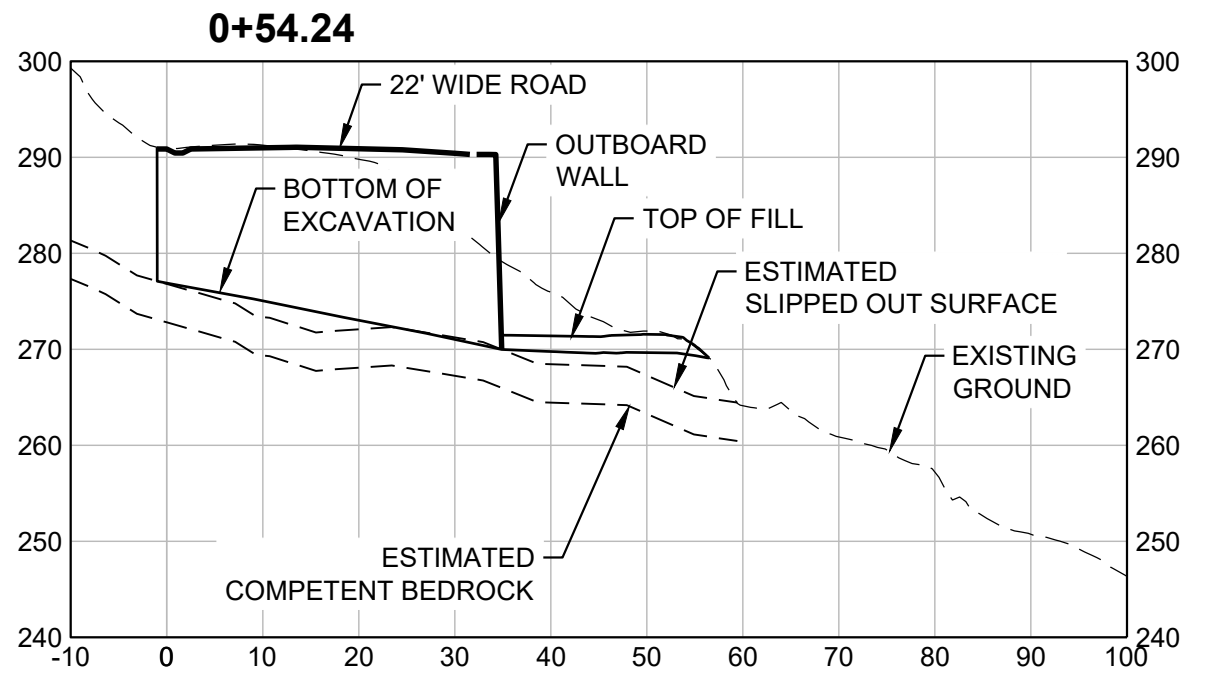
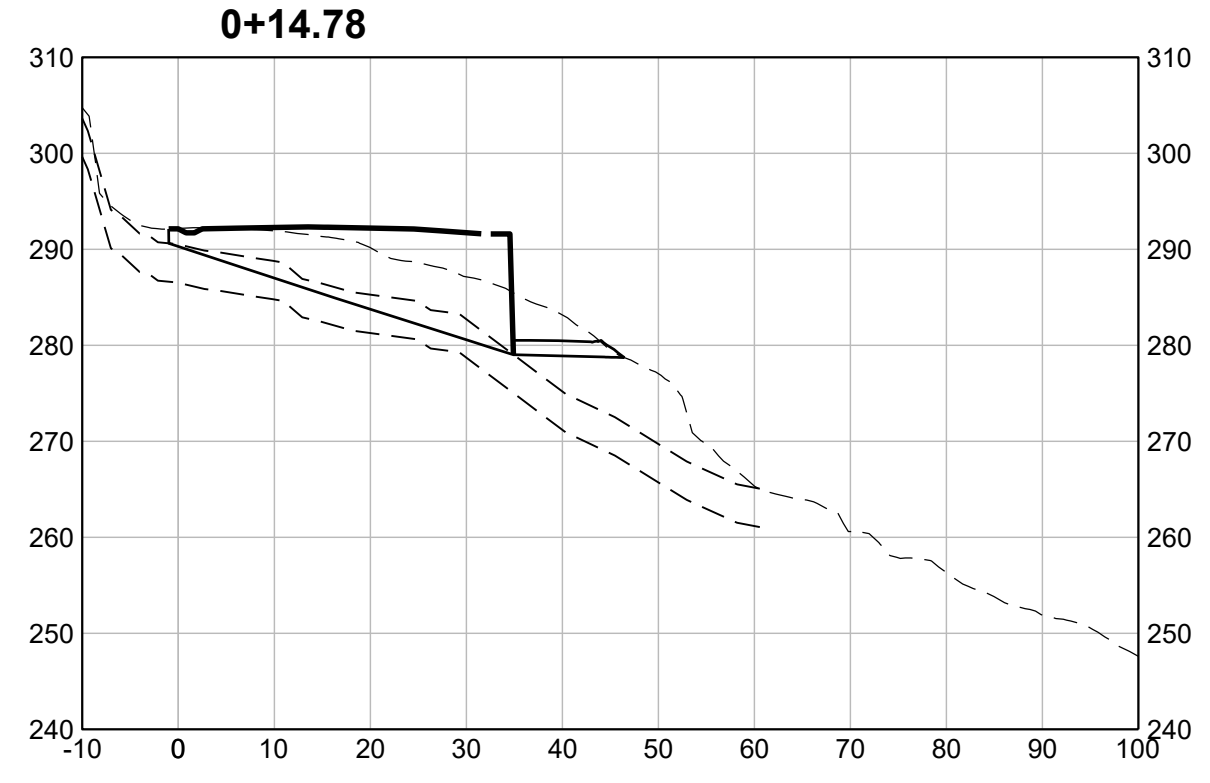
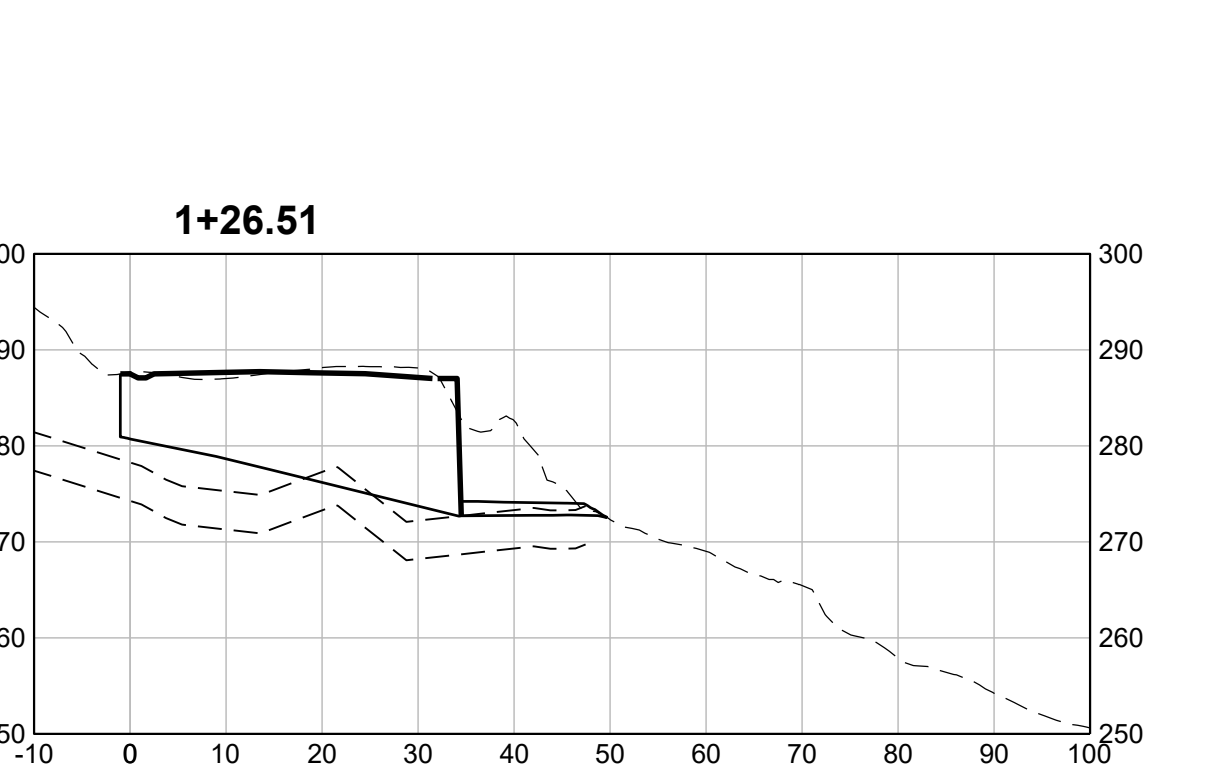
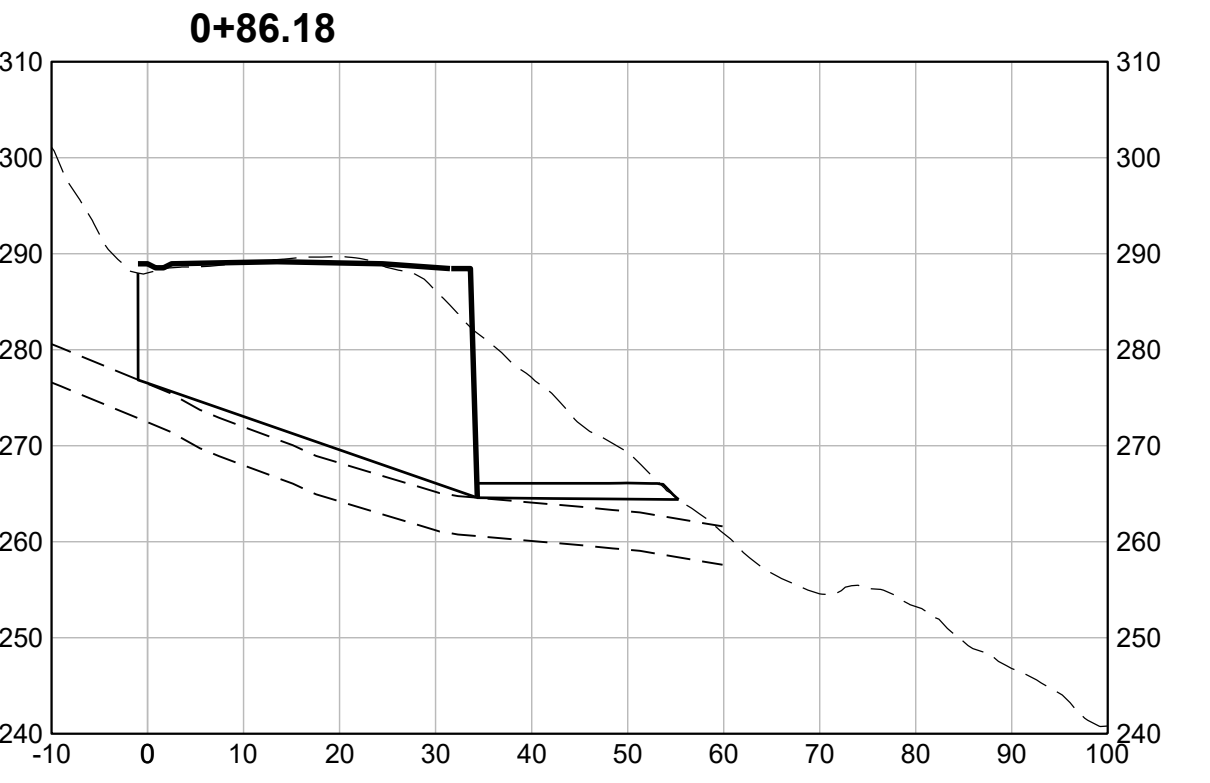
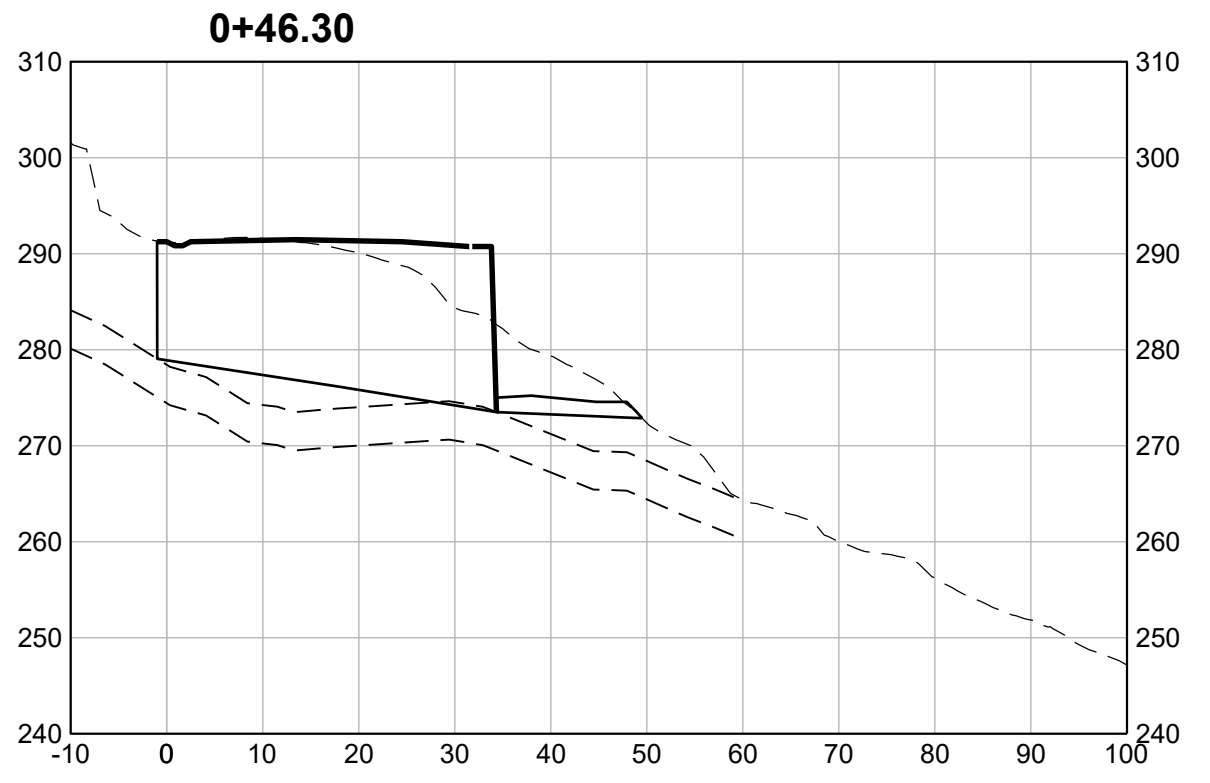
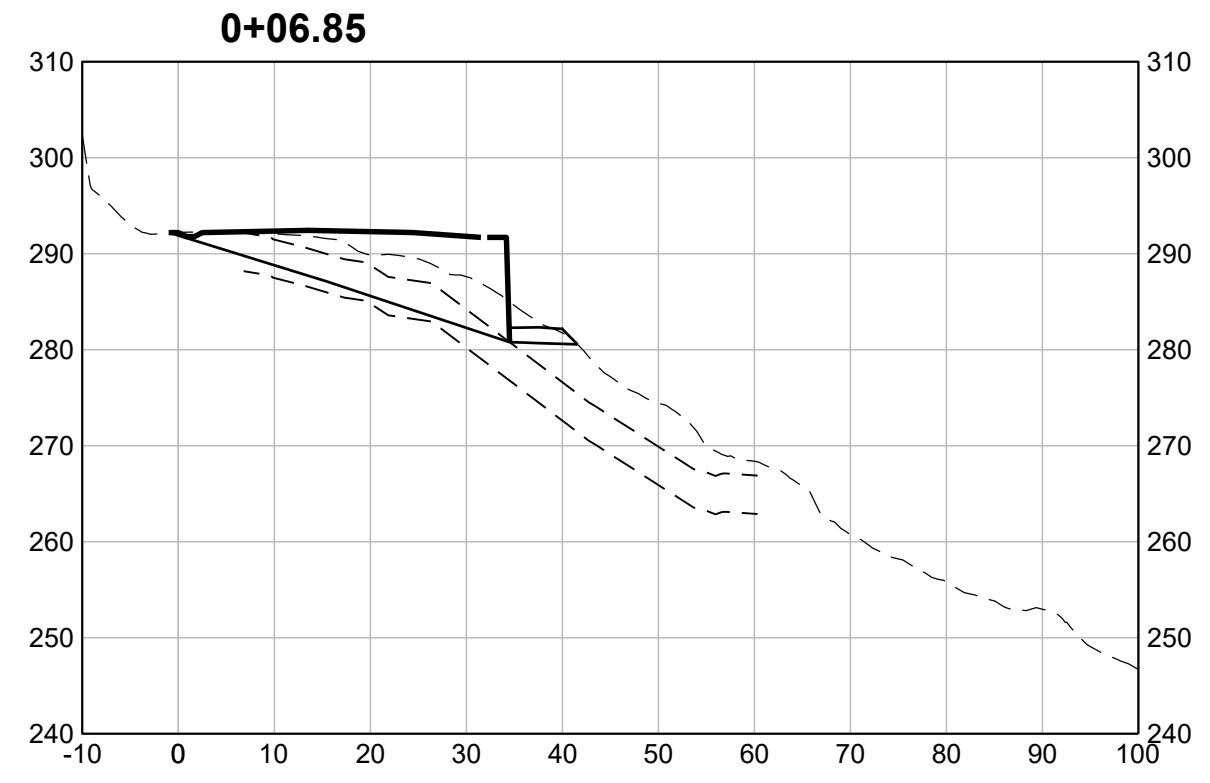
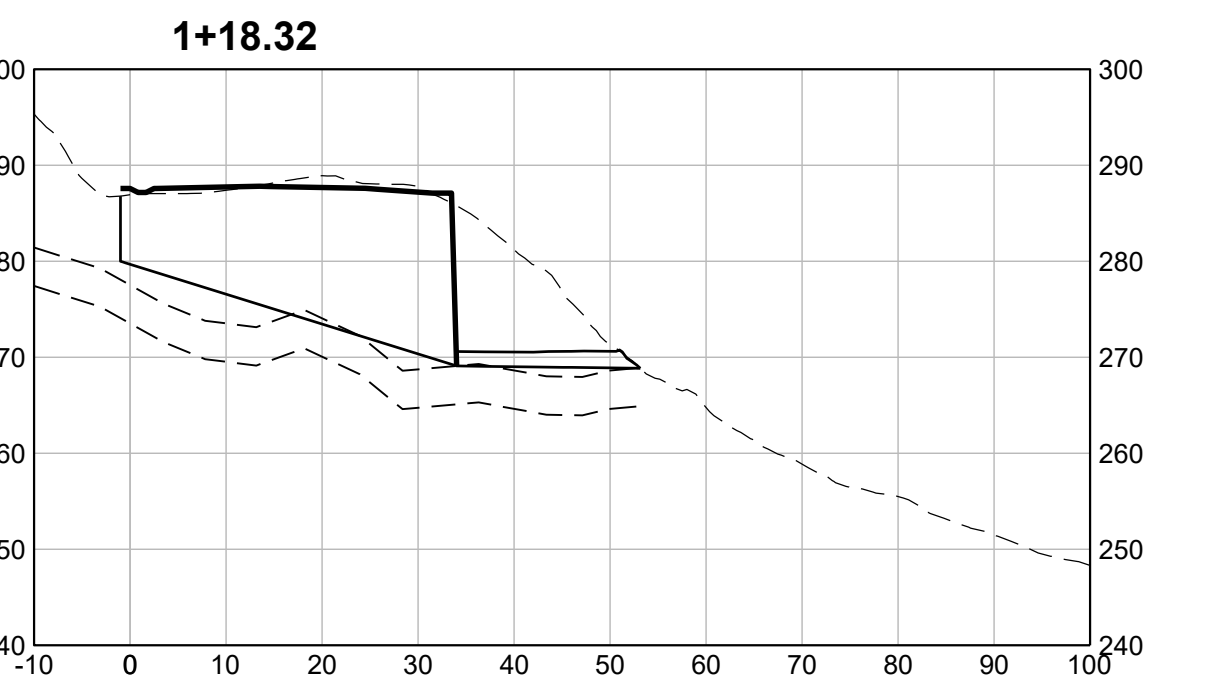
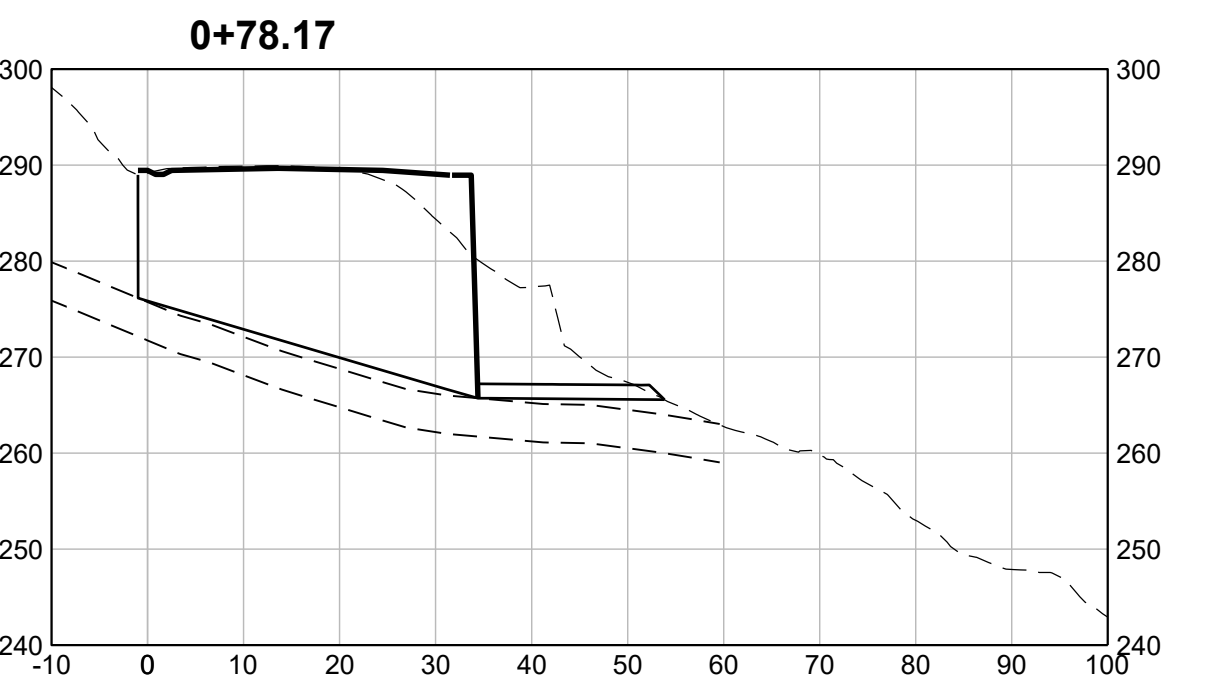
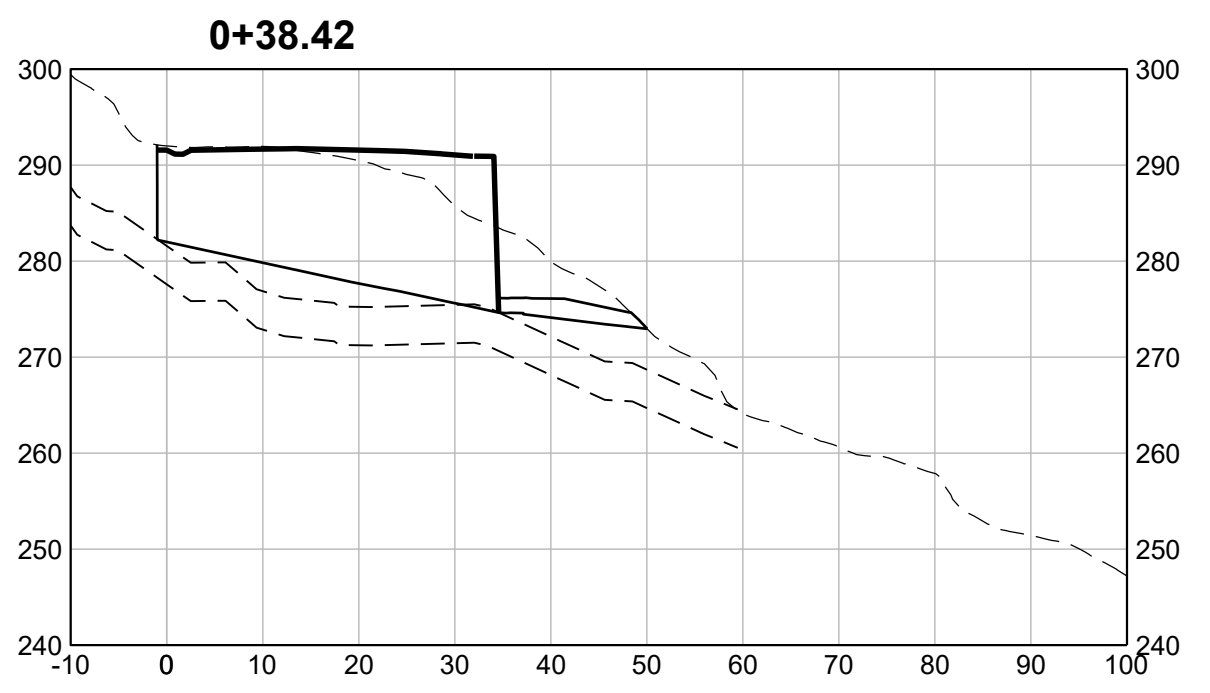
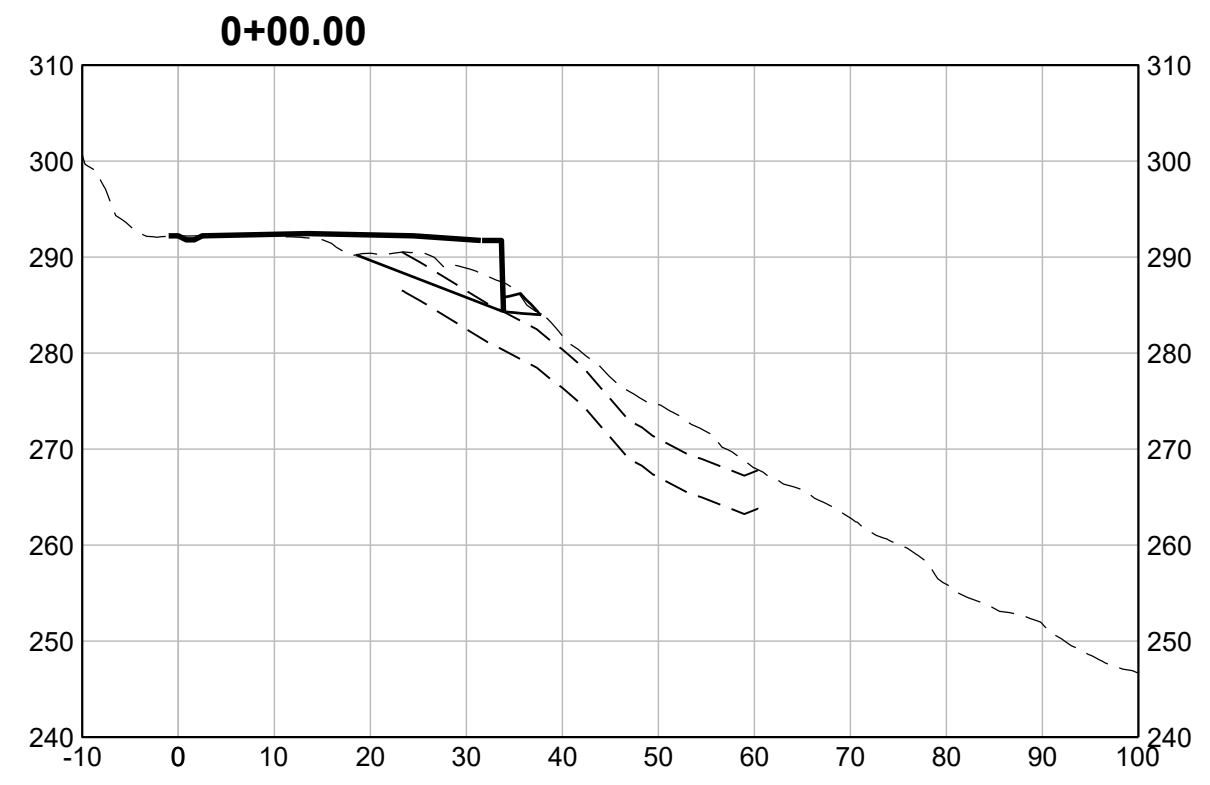


C-201
 SHEET 12 OF 20

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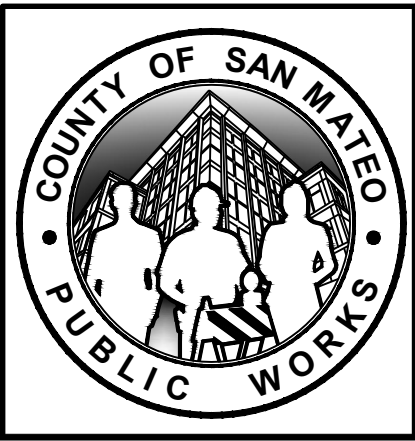
APPROVED:
 DATE: July 28, 2023
 ANN MADER STILLMAN,
 DIRECTOR OF PUBLIC WORKS
 R. C. E. # 47882 / EXPIRES 12-31-2023



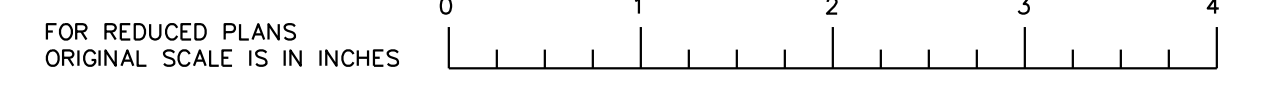
ISSUED FOR CONSTRUCTION

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HALEY ALDRICH
 HALEY & ALDRICH, INC.
 785 Ygnacio Valley Road
 Walnut Creek, CA 94595
 Tel: 925.935.9771
 www.haleyaldrich.com
 PROJECT NO.: 0207686-001



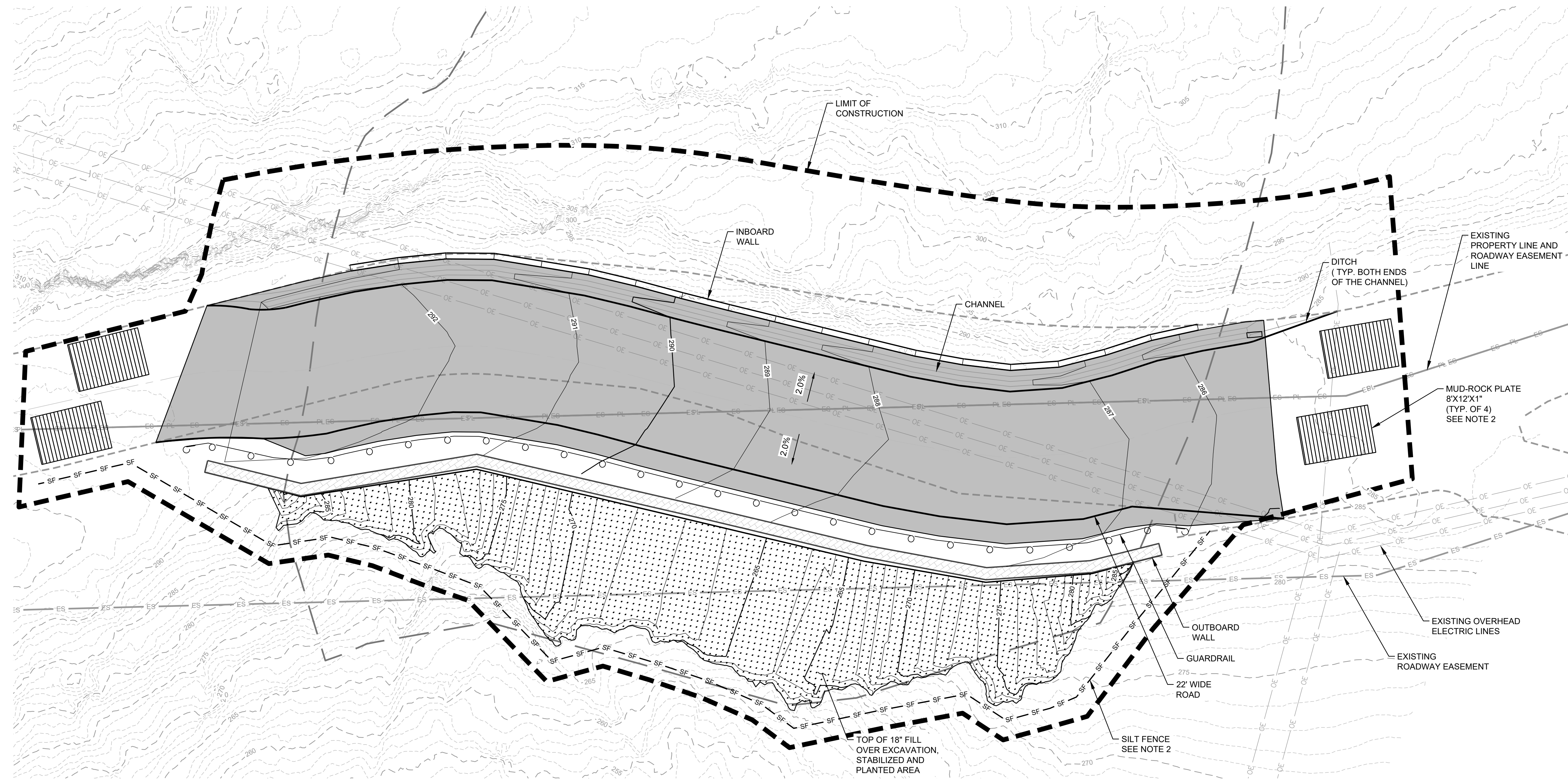
REVISION	DATE	DESIGNED BY: DPM	SLIP-OUT REPAIR	SCALE: AS SHOWN
0	07/21/23	DRAWN BY: KV	2180 HIGGINS CANYON ROAD	DATE: JULY-2023
		CHECKED BY: SA	ROAD CROSS-SECTIONS	FILE NO.: 1/5083
ANN MADER STILLMAN, DIRECTOR OF PUBLIC WORKS COUNTY SAN MATEO			555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063	



C-202
SHEET 13 OF 20



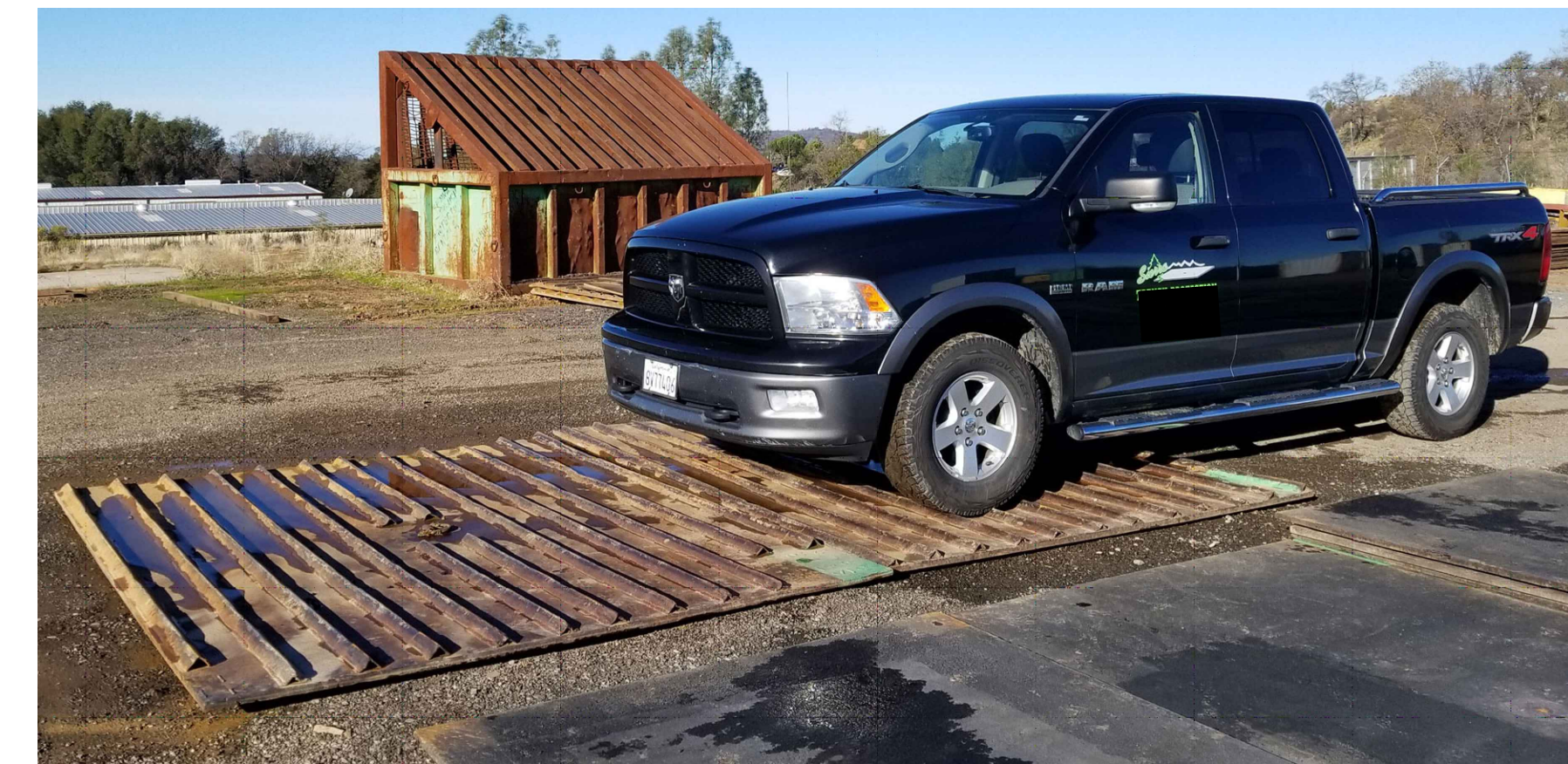
APPROVED:
 DATE: July 28, 2023
 ANN MADER STILLMAN,
 DIRECTOR OF PUBLIC WORKS
 R. C. E. # 47882 / EXPIRES 12-31-2023



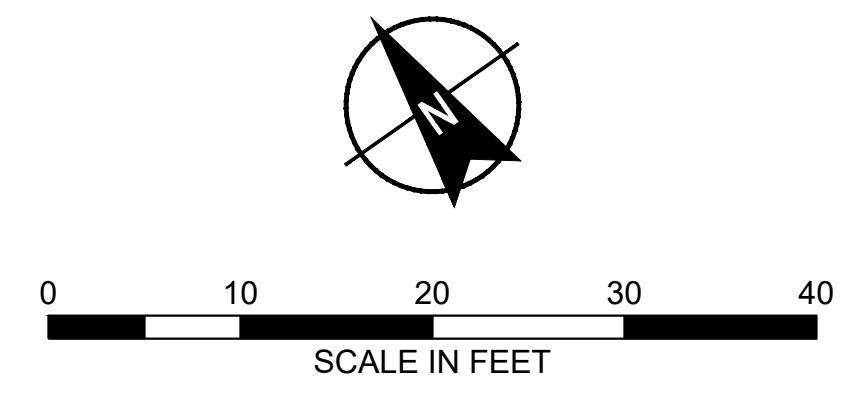
LEGEND

— PL —	EXISTING PROPERTY LINE
— ES —	EXISTING PROPERTY EASEMENT
--- 310 ---	EXISTING CONTOUR MAJOR
---	EXISTING CONTOUR MINOR
---	EXISTING SLIP BOUNDARY
— OE —	EXISTING OVERHEAD ELECTRIC
---	EXISTING ROADWAY
---	EXISTING SLIPPED ROADWAY
— — — — —	PROPOSED LIMITS OF CONSTRUCTION
— 290 —	PROPOSED CONTOUR MAJOR
— 289 —	PROPOSED CONTOUR MINOR
---	PROPOSED ROADWAY
---	PROPOSED CULVERT
— SF — SF —	PROPOSED SILT FENCE
○	PROPOSED GUARDRAIL
▨	PROPOSED STABILIZED AND REPLANTED AREA (SEEDING TO BE APPROVED BY THE COUNTY)

- NOTES**
- DISTURBED AREAS SHALL BE SEEDING WITH A NATIVE PLANT MIX, COVERED WITH GEOCOIR 900 OR APPROVED EQUAL, AND MULCHED WITH STERILE RICE STRAW. PLASTIC MONOFILAMENT NETTING (EROSION CONTROL MATTING), LOOSELY WOVEN NETTING, OR SIMILAR MATERIAL IN ANY FORM SHALL NOT BE USED AT THE PROJECT SITE. MATERIALS UTILIZING FIXED WEAVES (STRANDS CANNOT MOVE), POLYPROPYLENE, POLYMER OR OTHER SYNTHETIC MATERIALS SHALL NOT BE USED.
 - FOR SURVEY NOTES REFER TO SHEET G-103.
 - REFER TO SAN MATEO COUNTY EROSION AND SEDIMENT CONTROL PLAN REQUIREMENTS: <https://www.smcgov.org/planning/erosion-and-sediment-control-plan-requirements>



MUD-ROCK PLATE IMAGE



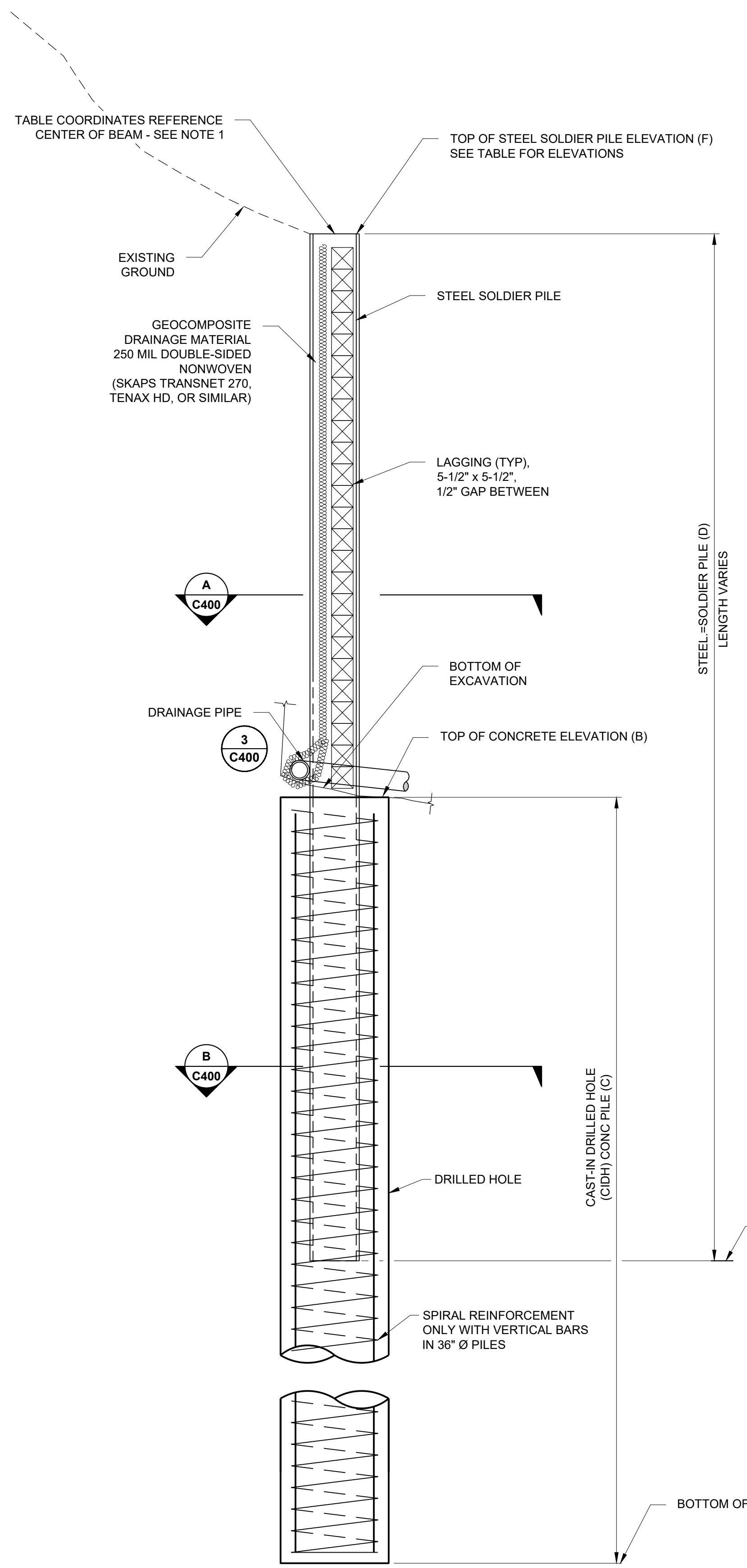
ISSUED FOR CONSTRUCTION

	HALEY ALDRICH HALEY & ALDRICH, INC. 785 Ygnacio Valley Road Walnut Creek, CA 94595 Tel: 925.935.9771 www.haleyaldrich.com		REVISION	DATE	DESIGNED BY: DPM	SLIP-OUT REPAIR 2180 HIGGINS CANYON ROAD EROSION & SEDIMENT CONTROL, AND SITE STABILIZATION & PLANTING PLAN	SCALE: AS SHOWN
			0	07/21/23	DRAWN BY: KV		DATE: JULY-2023
			CHECKED BY: SA			ANN MADER STILLMAN, DIRECTOR OF PUBLIC WORKS COUNTY SAN MATEO	555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063
							FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES
							C-300 SHEET 14 OF 20

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APPROVED:
 DATE: July 28, 2023
 ANN MADER STILLMAN,
 DIRECTOR OF PUBLIC WORKS
 R. C. E. # 47882 / EXPIRES 12-31-2023



SOLDIER PILE TABLE

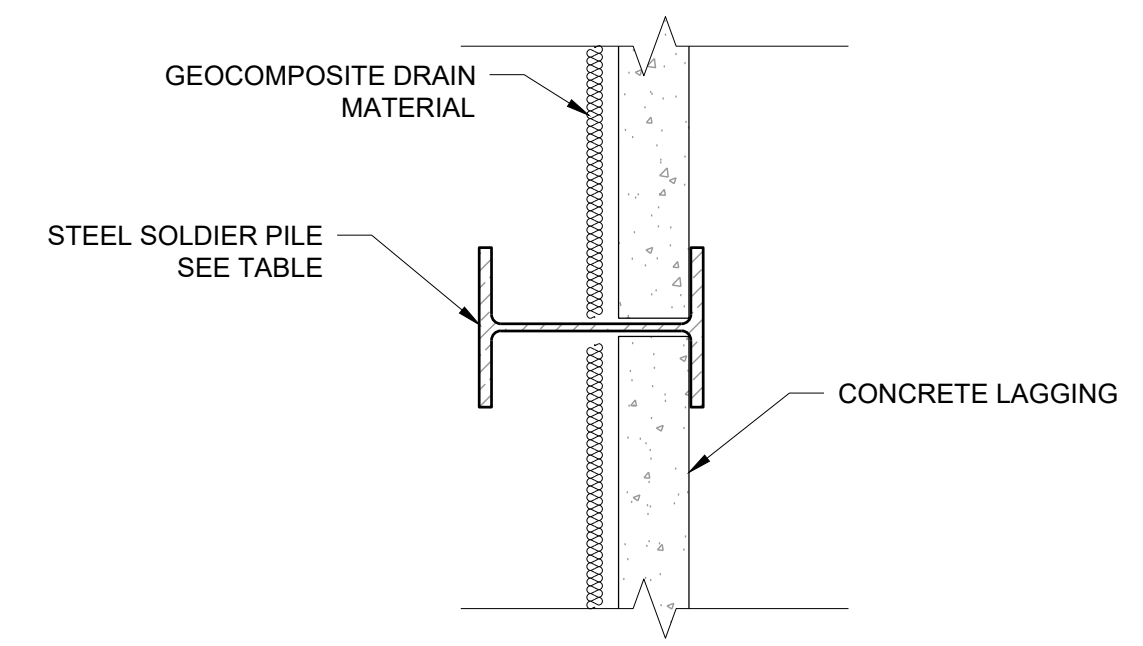
PILE #	LOCATION		DIA (IN)	DRILLED HOLE			VERTICAL REINF.	SIZE	STEEL SOLDIER PILE		
	NORTHING	EASTING		BOTTOM EL (A)	TOP OF CONC EL (B)	CONC PILE (FT) (C)			TOTAL LENGTH (D)	BOTTOM EL (E)	TOP EL (F)
1	1988413.2	6010257.8	24	278.4	290.7	12.3	NONE	W12x19	13.6	278.4	292.0
2	1988409.6	6010265.0	24	276.0	288.3	12.3	NONE	W12x19	16.0	276.0	292.0
3	1988405.8	6010272.0	24	266.3	285.8	19.5	NONE	W14x193	26.0	266.3	292.3
4	1988401.2	6010278.6	24	263.2	282.7	19.5	NONE	W14x193	29.0	263.2	292.2
5	1988395.7	6010284.5	36	254.3	279.5	25.2	14 - #14	W18x175	19.0	272.5	291.5
6	1988390.1	6010290.2	36	252.1	277.3	25.2	14 - #14	W18x175	20.9	270.3	291.2
7	1988384.1	6010295.5	36	250.5	275.7	25.2	14 - #14	W18x175	22.8	268.7	291.5
8	1988378.0	6010300.6	36	250.6	275.8	25.2	14 - #14	W18x175	21.4	268.8	290.2
9	1988371.9	6010305.9	36	251.2	276.4	25.2	14 - #14	W18x175	19.9	269.4	289.3
10	1988365.9	6010311.1	36	251.9	277.1	25.2	14 - #14	W18x175	18.0	270.1	288.1
11	1988359.9	6010316.4	36	252.3	277.5	25.2	14 - #14	W18x175	16.4	270.5	286.9
12	1988353.8	6010321.7	36	252.1	277.3	25.2	14 - #14	W18x175	16.2	270.3	286.5
13	1988347.7	6010326.8	24	258.1	277.6	19.5	NONE	W14x193	28.0	258.1	286.1
14	1988342.0	6010332.4	24	258.9	278.4	19.5	NONE	W14x193	27.8	258.9	286.7
15	1988336.7	6010338.4	24	258.8	278.3	19.5	NONE	W14x193	28.6	258.8	287.4
16	1988332.6	6010345.2	24	260.2	279.7	19.5	NONE	W14x193	28.2	260.2	288.4
17	1988329.7	6010352.6	24	270.2	282.5	12.3	NONE	W12x19	17.0	270.2	287.2
18	1988327.3	6010360.3	24	271.6	283.9	12.3	NONE	W12x19	15.6	271.6	287.2
19	1988324.2	6010367.7	24	273.2	285.5	12.3	NONE	W12x19	12.9	273.2	286.1

TABLE NOTES:

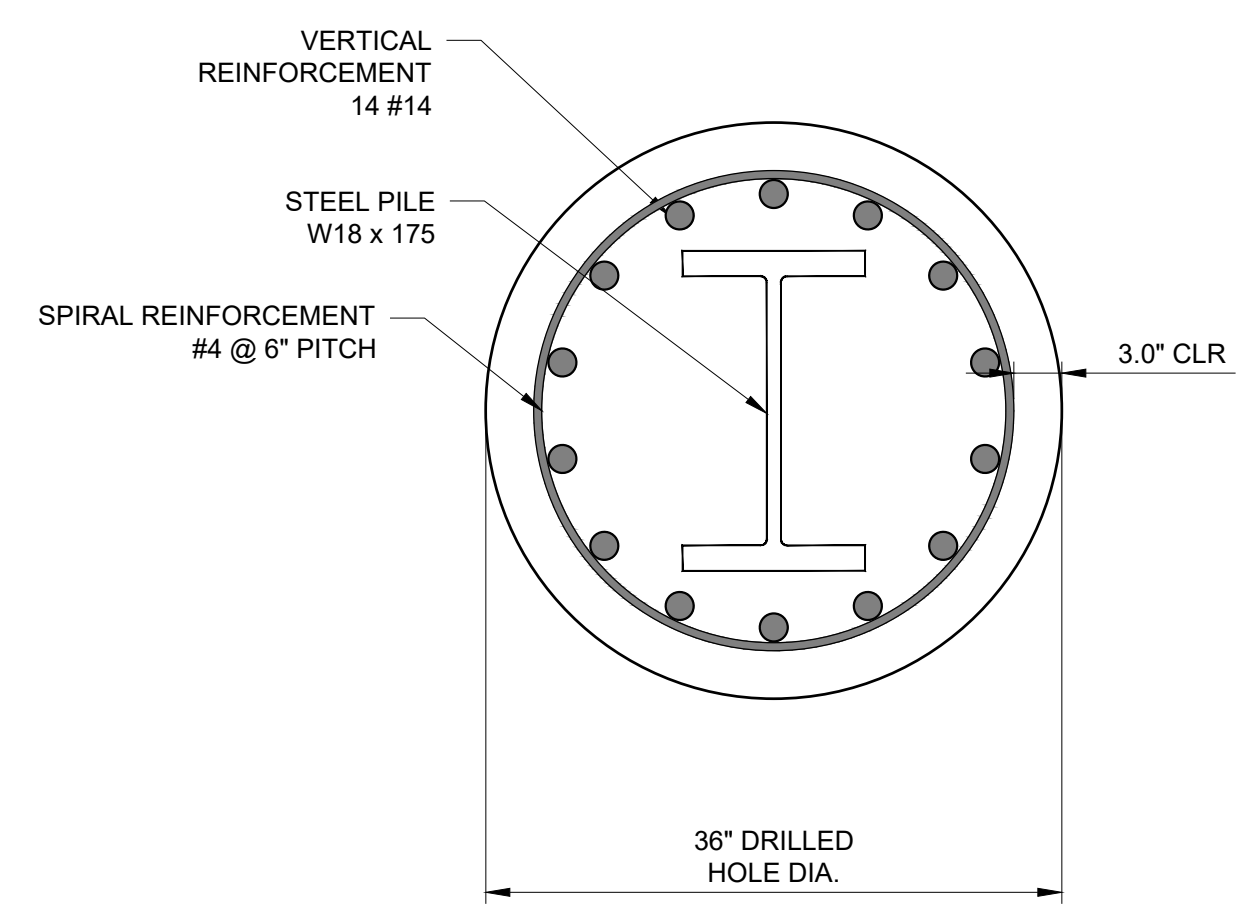
- LOCATION DATA (NORTHING AND EASTING) IS FOR A POINT AT THE CENTER OF THE PROPOSED CONCRETE PILE. THE PILE CENTERS ARE LOCATED SUCH THAT THE ROAD-FACING FLANGES OF THE STEEL BEAMS WILL PRESENT AS THE WALL FACE.
- ELEVATIONS SHOWN IN TABLE ARE APPROXIMATE AND ARE BASED ON THE ANTICIPATED DEPTH TO COMPETENT BEDROCK. FINAL DEPTHS OF BOREHOLES WILL BE DETERMINED IN THE FIELD BASED ON GEOTECHNICAL ENGINEER'S OBSERVATIONS.
- IF THE DEPTH TO COMPETENT BEDROCK IS DEEPER THAN THE DESIGN, THE LENGTH AND SIZE OF THE PILE MAY CHANGE.
- THE LATERAL EXTENTS OF THE SLIP SHALL BE CONFIRMED BY THE GEOTECHNICAL ENGINEER DURING INSTALLATION OF THE SOLDIER PILES. PILES #1 AND/OR #19 MAY BE ELIMINATED IF THE EXTENTS OF THE SLIP ARE CONFIRMED TO BE LESS THAN SHOWN IN THE VICINITY OF THE WALL LOCATION.

MATERIALS:

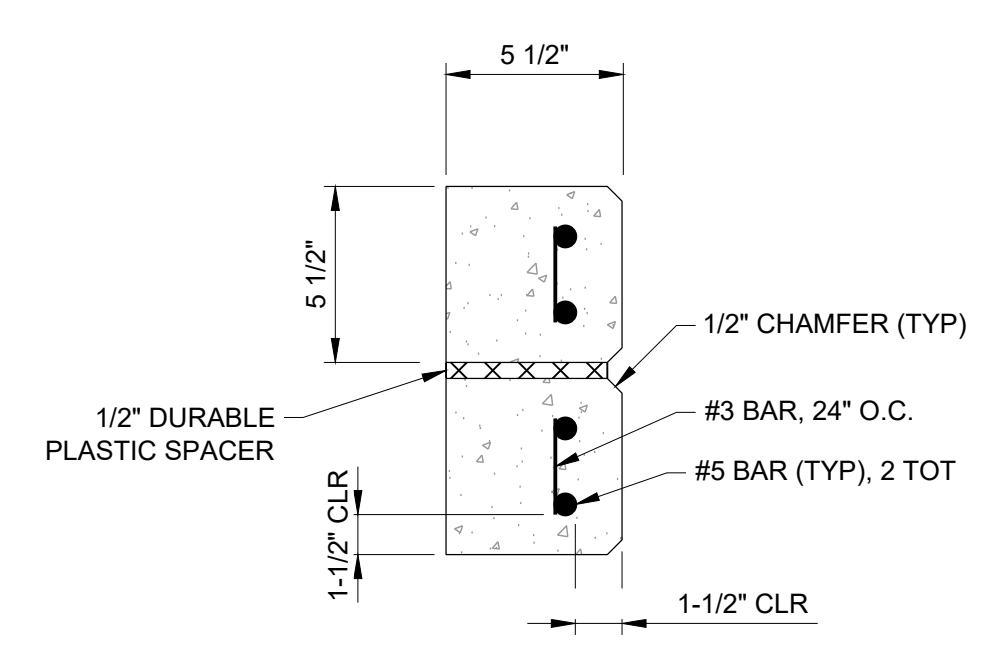
CIDH CONC PILE: $f_c = 4,000$ PSI, 3/8-INCH MAX
 REINFORCING STEEL: $f_y = 60,000$ PSI (GRADE 60)
 STRUCTURAL STEEL: $f_y = 50,000$ PSI (GRADE 50)



A SOLDIER PILE SECTION
NOT TO SCALE

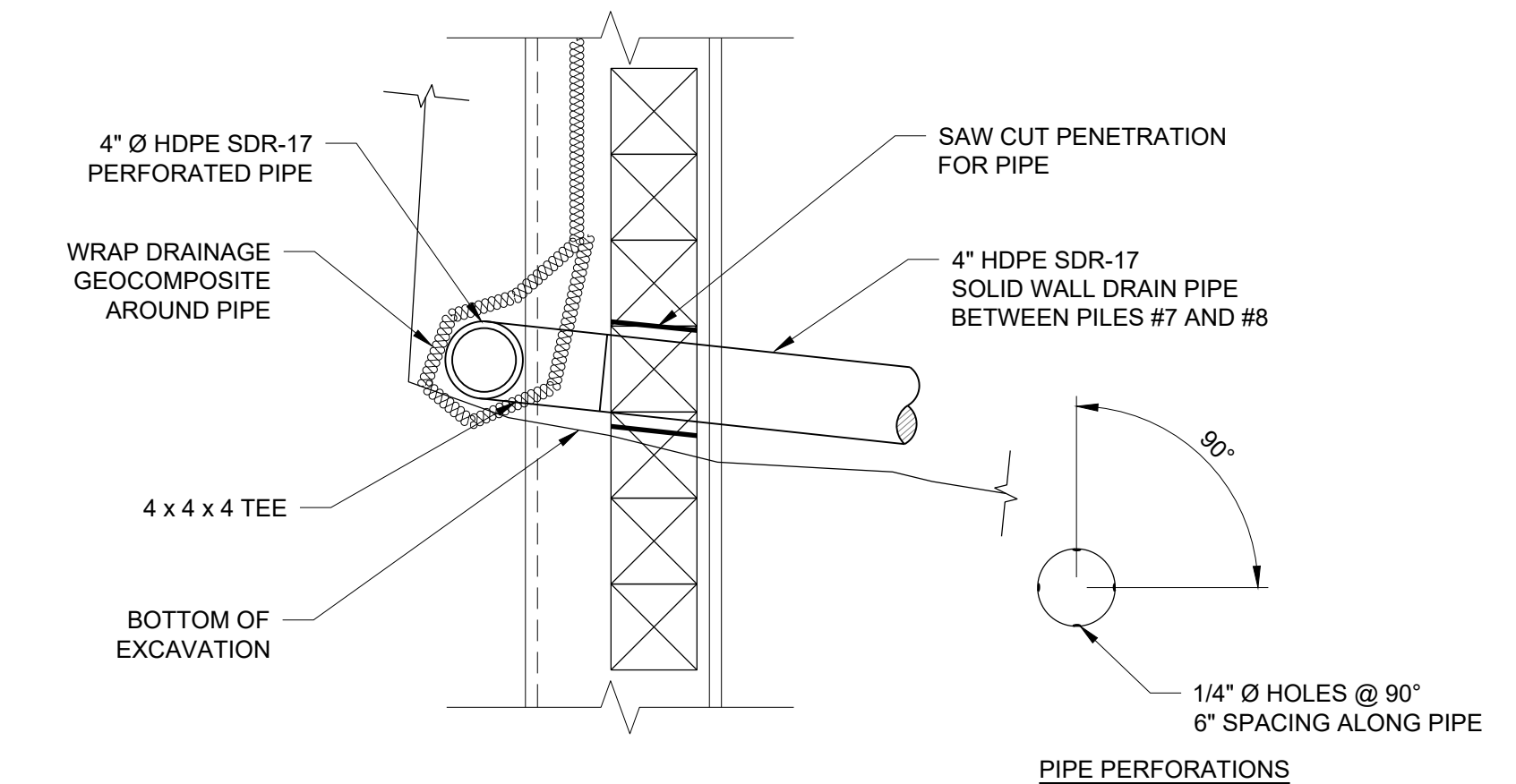


B CONCRETE SECTION (36\"/>



2 CONCRETE LAGGING
NOT TO SCALE

NOTE: ALTERNATE LAGGING MATERIAL (E.G. PLASTIC, WOOD) MAY BE SUPPLIED IN LIEU OF CONCRETE. ENGINEER APPROVAL FOR ALTERNATES IS REQUIRED.



3 INBOARD WALL DRAIN
NOT TO SCALE

INBOARD WALL DRAIN NOTES

- THE PERFORATED PIPE SHALL RUN THE FULL LENGTH OF THE WALL FROM PILE #1 TO PILE #19.
- ONE TEE CONNECTION LOCATED AT THE LOW POINT BETWEEN PILES #7 AND #8 SHALL BE USED TO CONNECT TO THE SOLID WALL PIPE LEADING TO THE EXTERIOR FACE OF THE OUTBOARD WALL.

1 SOLDIER PILE
NOT TO SCALE

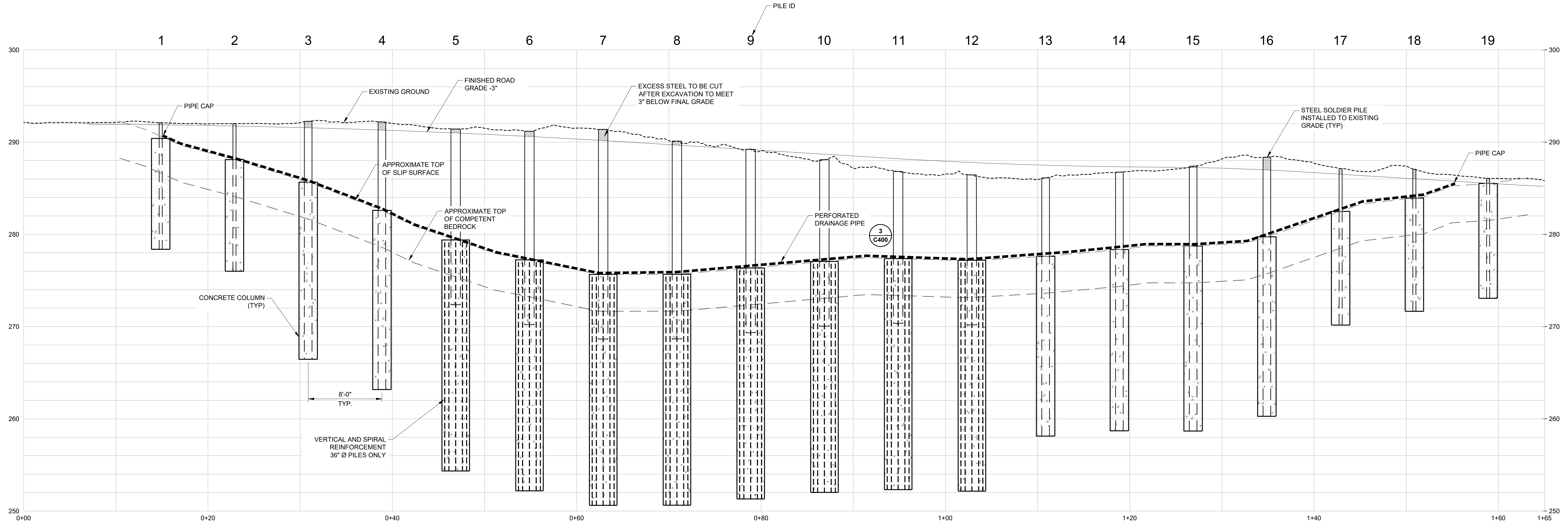
ISSUED FOR CONSTRUCTION

	HALEY ALDRICH HALEY & ALDRICH, INC. 785 Ygnacio Valley Road Walnut Creek, CA 94595 Tel: 925.935.9771 www.haleyaldrich.com		REVISION	DATE	DESIGNED BY: DPM	SLIP-OUT REPAIR 2180 HIGGINS CANYON ROAD INBOARD WALL DETAILS I	SCALE: AS SHOWN
			0	07/21/23	DRAWN BY: KV		DATE: JULY-2023
			CHECKED BY: SA	ANN MADER STILLMAN, DIRECTOR OF PUBLIC WORKS COUNTY SAN MATEO		555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063	FILE NO.: 1/5083
			FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES				C-400 SHEET 15 OF 20

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1 INBOARD WALL ELEVATION
 SCALE: 1" = 5'

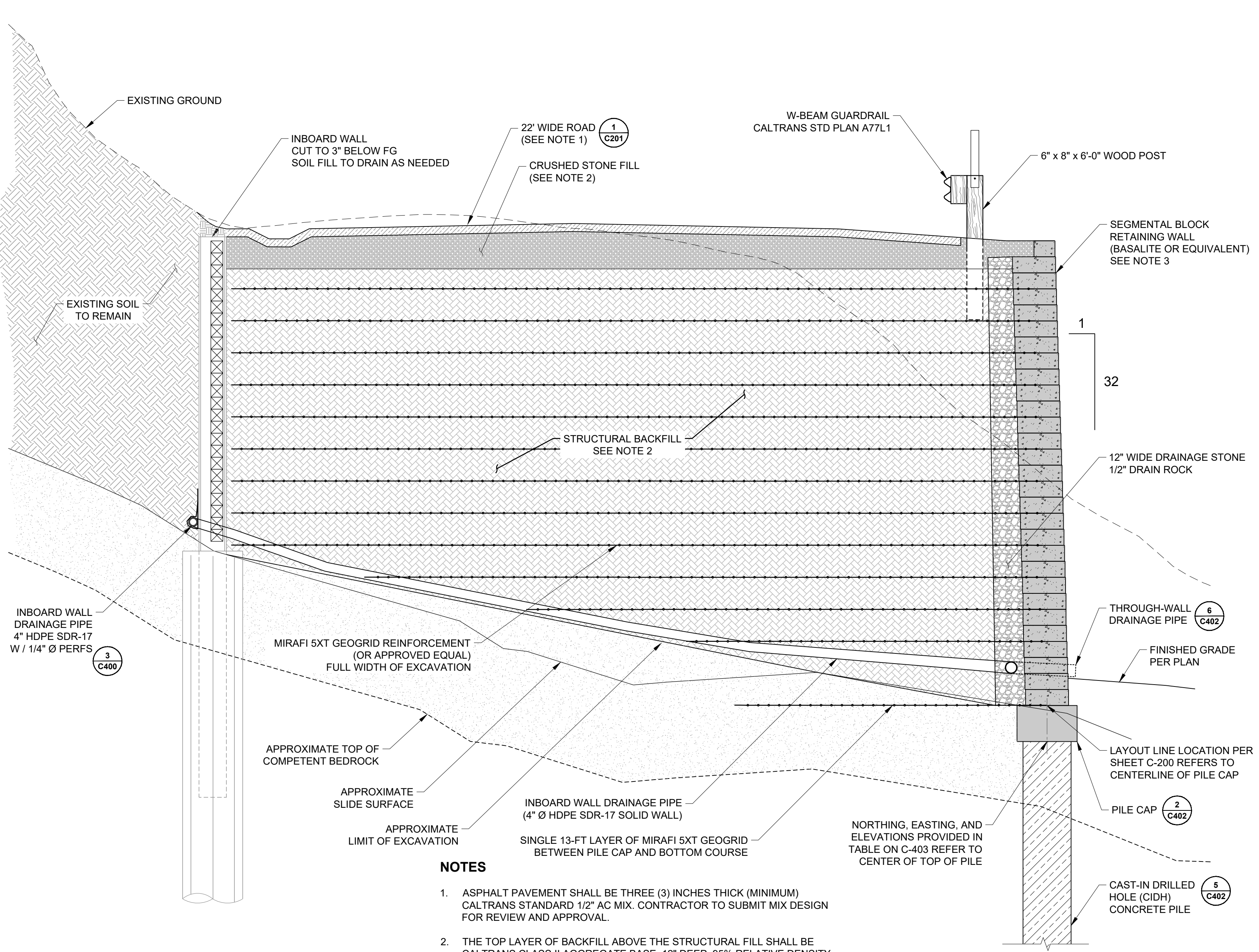
ISSUED FOR CONSTRUCTION

	HALEY ALDRICH HALEY & ALDRICH, INC. 785 Ygnacio Valley Road Walnut Creek, CA 94595 Tel: 925.935.9771 www.haleyaldrich.com PROJECT NO.: 0207686-001		REVISION	DATE	DESIGNED BY: DPM	SLIP-OUT REPAIR 2180 HIGGINS CANYON ROAD INBOARD WALL DETAILS II	SCALE: AS SHOWN
			0	07/21/23	DRAWN BY: KV		DATE: JULY-2023
			CHECKED BY: SA	ANN MADER STILLMAN, DIRECTOR OF PUBLIC WORKS COUNTY SAN MATEO		555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063	FILE NO.: 1/5083
			FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES				C-401 SHEET 16 OF 20

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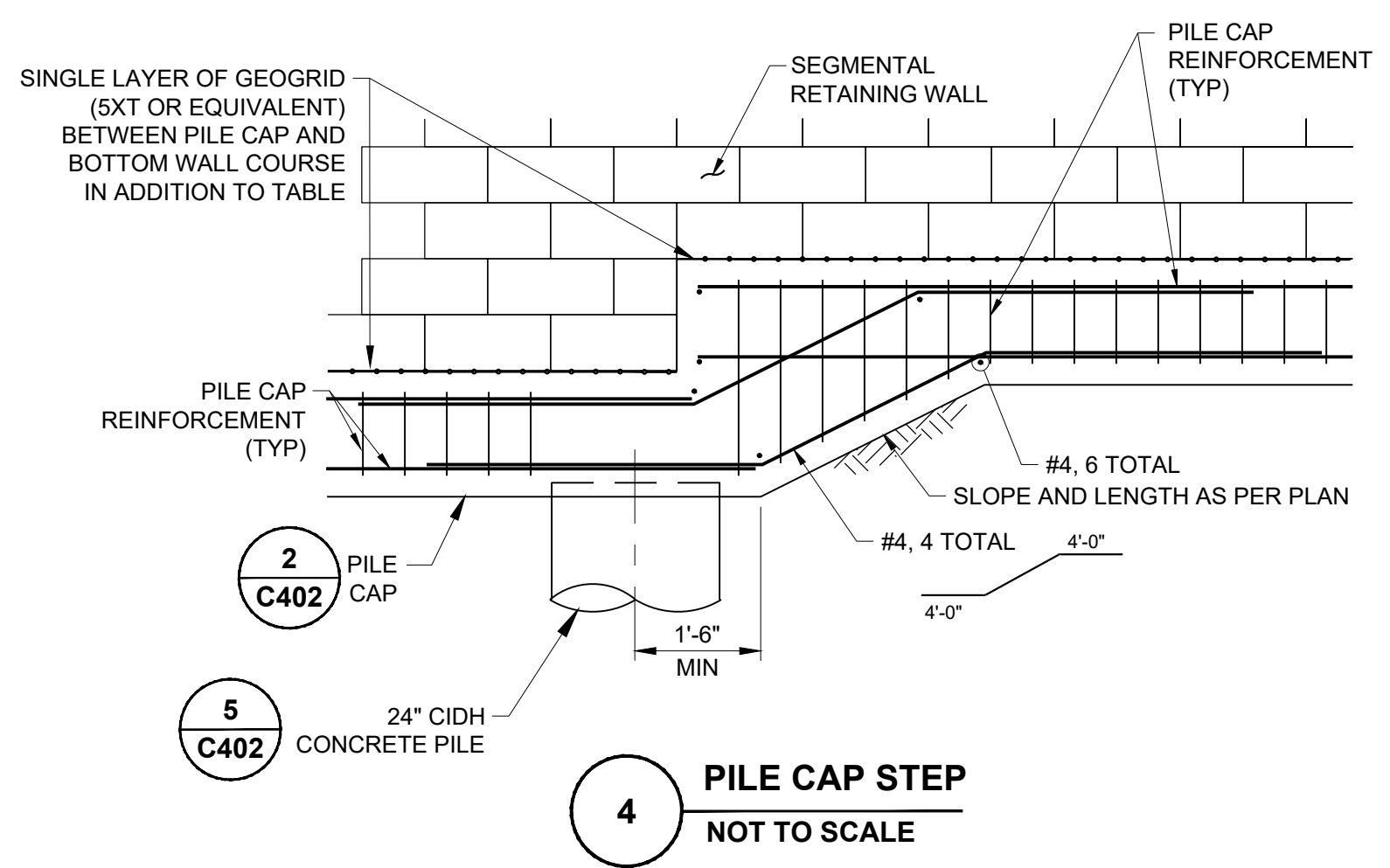


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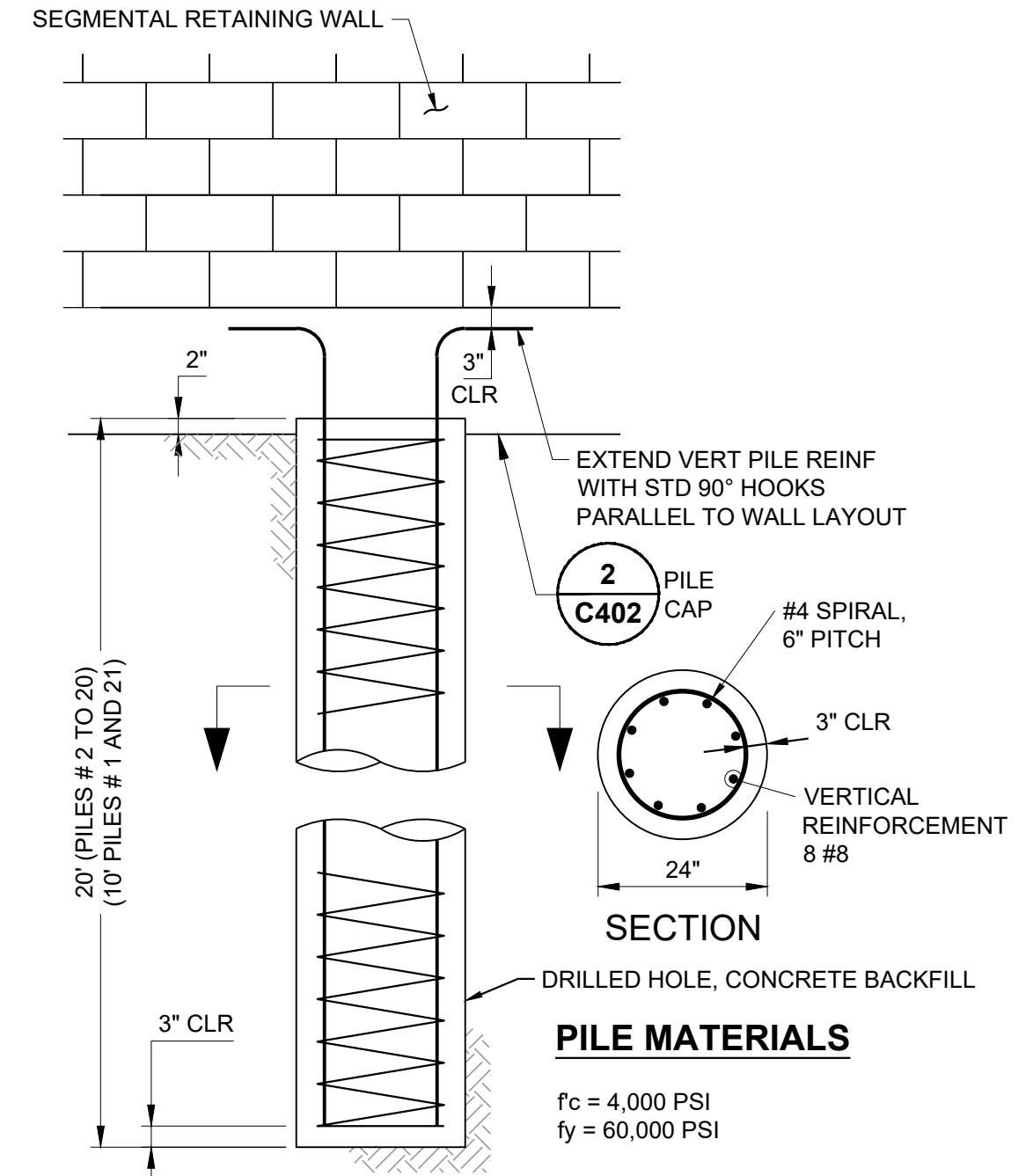
1 TYPICAL OUTBOARD WALL SECTION
 NOT TO SCALE

- NOTES**
- ASPHALT PAVEMENT SHALL BE THREE (3) INCHES THICK (MINIMUM) CALTRANS STANDARD 1/2" AC MIX. CONTRACTOR TO SUBMIT MIX DESIGN FOR REVIEW AND APPROVAL.
 - THE TOP LAYER OF BACKFILL ABOVE THE STRUCTURAL FILL SHALL BE CALTRANS CLASS II AGGREGATE BASE, 12" DEEP, 95% RELATIVE DENSITY COMPACTION. ON-SITE SOIL MAY BE USED AS STRUCTURAL BACKFILL IF IT MEETS THE REQUIREMENTS OF THE TECHNICAL SPECIFICATIONS.
 - BLOCK FOR WALL SHALL BE 18" WIDE, 8" TALL AND 20" DEEP, AND HAVE A MINIMUM WEIGHT OF 95 LB PER BLOCK. BLOCK FACE SHALL BE STRAIGHT WITH BEVELED EDGES, TAN BROWN COLOR.

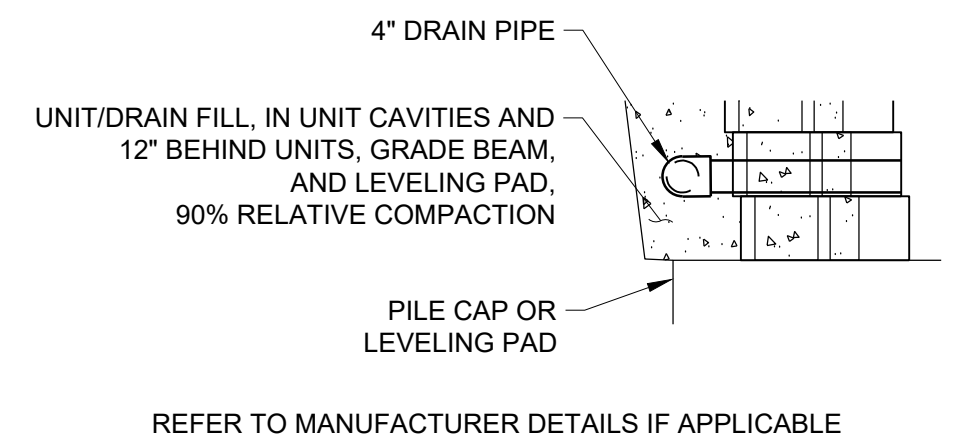


4 PILE CAP STEP
 NOT TO SCALE

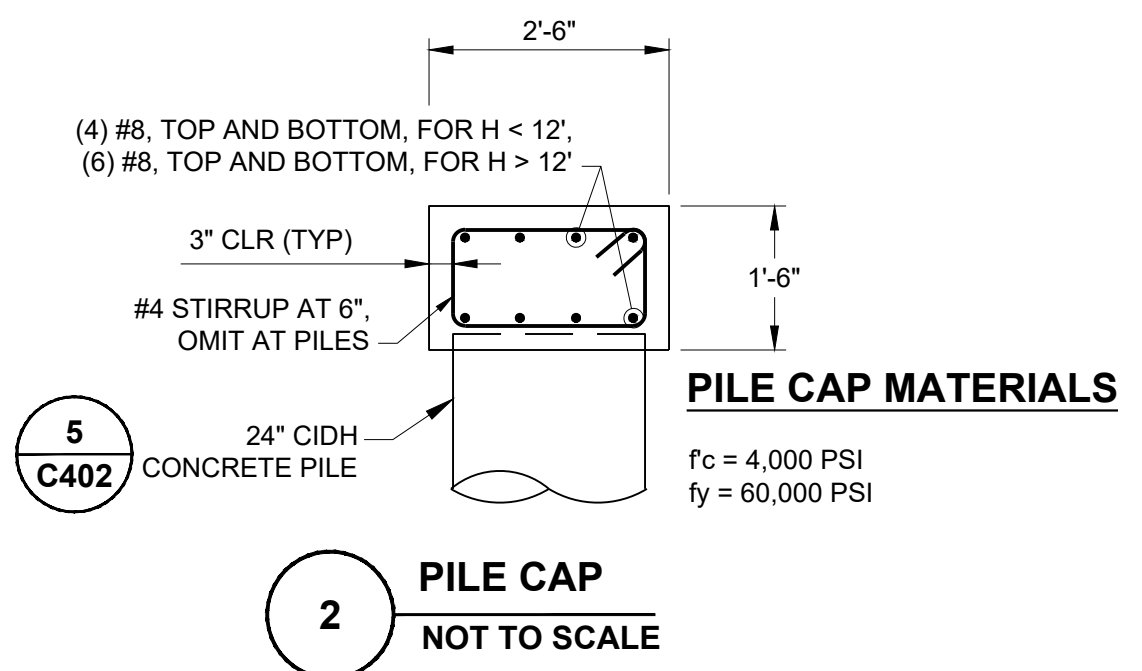
SEGMENTAL BLOCK WALL TABLE							
COURSE NO.	BOTTOM OF BLOCK ELEV.	COURSE LENGTH (ft)	WALL HEIGHT AT TOP OF COURSE (ft)	17-R GRID EMBEDMENT GRID LENGTH (ft)	17-R GRID EMBEDMENT BEG. STA.	22-R GRID EMBEDMENT GRID LENGTH (ft)	22-R GRID EMBEDMENT BEG. STA.
50	292.67	9.0	33.33	-	-	-	-
49	292.00	15.0	32.67	-	-	-	-
48	291.33	30.0	32.00	-	-	11	0+16.0
47	290.67	43.5	31.33	-	-	-	-
46	290.00	57.0	30.67	-	-	47	0+19.0
45	289.33	69.0	30.00	-	-	10	0+65.0
44	288.67	78.0	29.33	-	-	-	-
43	288.00	85.5	28.67	-	-	74	0+24.0
42	287.33	102.0	28.00	-	-	12	0+98.0
41	286.67	129.0	27.33	-	-	-	-
40	286.00	156.0	26.67	-	-	111	0+29.0
39	285.33	151.5	26.00	-	-	35	1+40.0
38	284.67	148.5	25.33	-	-	-	-
37	284.00	145.5	24.67	-	-	138	0+34.0
36	283.33	142.5	24.00	-	-	-	-
35	282.67	138.0	23.33	-	-	-	-
34	282.00	135.0	22.67	-	-	129	0+39.0
33	281.33	132.0	22.00	-	-	-	-
32	280.67	129.0	21.33	-	-	-	-
31	280.00	126.0	20.67	-	-	120	0+44.0
30	279.33	123.0	20.00	-	-	-	-
29	278.67	120.0	19.33	-	-	-	-
28	278.00	117.0	18.67	-	-	110	0+49
27	277.33	114.0	18.00	8	0+50.0	-	-
26	276.67	109.5	17.33	-	-	-	-
25	276.00	106.5	16.67	8	0+53.0	93	0+61.0
24	275.33	103.5	16.00	-	0+54.0	-	-
23	274.67	100.5	15.33	-	-	-	-
22	274.00	97.5	14.67	8	0+58.0	84	0+66.0
21	273.33	94.5	14.00	-	0+59.0	-	-
20	272.67	91.5	13.33	-	-	-	-
19	272.00	87.0	12.67	8	0+63.0	74	0+71
18	271.33	84.0	12.00	8	0+64.0	-	-
17	270.67	81.0	11.33	-	-	-	-
16	270.00	78.0	10.67	8	0+68.0	65	0+76.0
15	269.33	75.0	10.00	8	0+69.0	-	-
14	268.67	72.0	9.33	-	-	-	-
13	268.00	67.5	8.67	8	0+73.0	56	0+81.0
12	267.33	66.0	8.00	8	0+74.0	-	-
11	266.67	61.5	7.33	-	-	-	-
10	266.00	58.5	6.67	55	0+78.0	-	-
9	265.33	55.5	6.00	10	0+79.0	-	-
8	264.67	51.0	5.33	-	-	-	-
7	264.00	43.5	4.67	40	0+88.0	-	-
6	263.33	36.0	4.00	-	-	-	-
5	262.67	30.0	3.33	26	0+99.0	-	-
4	262.00	24.0	2.67	-	-	-	-
3	261.33	15.0	2.00	12	1+10.0	-	-
2	260.67	7.5	1.33	-	-	-	-
1	260.00	7.5	0.67	-	-	-	-



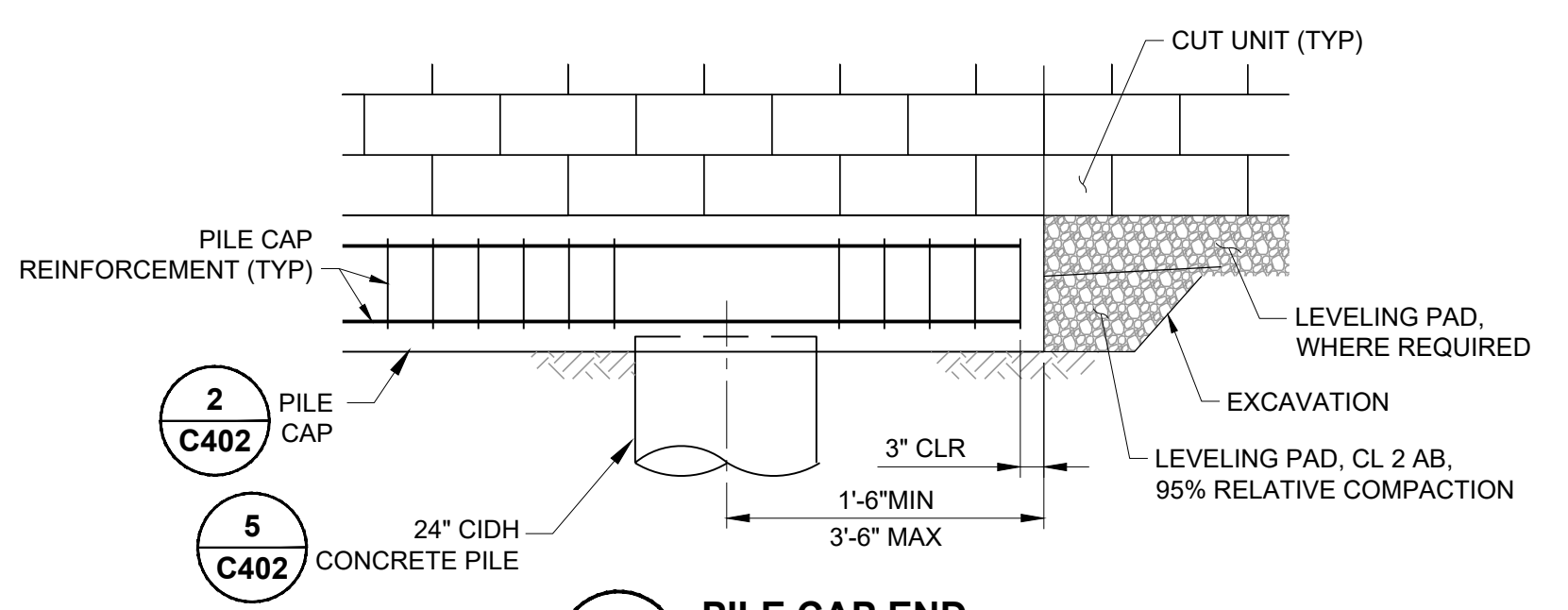
5 CONCRETE PILE
 NOT TO SCALE



6 WALL DRAIN
 NOT TO SCALE



2 PILE CAP
 NOT TO SCALE



3 PILE CAP END
 NOT TO SCALE

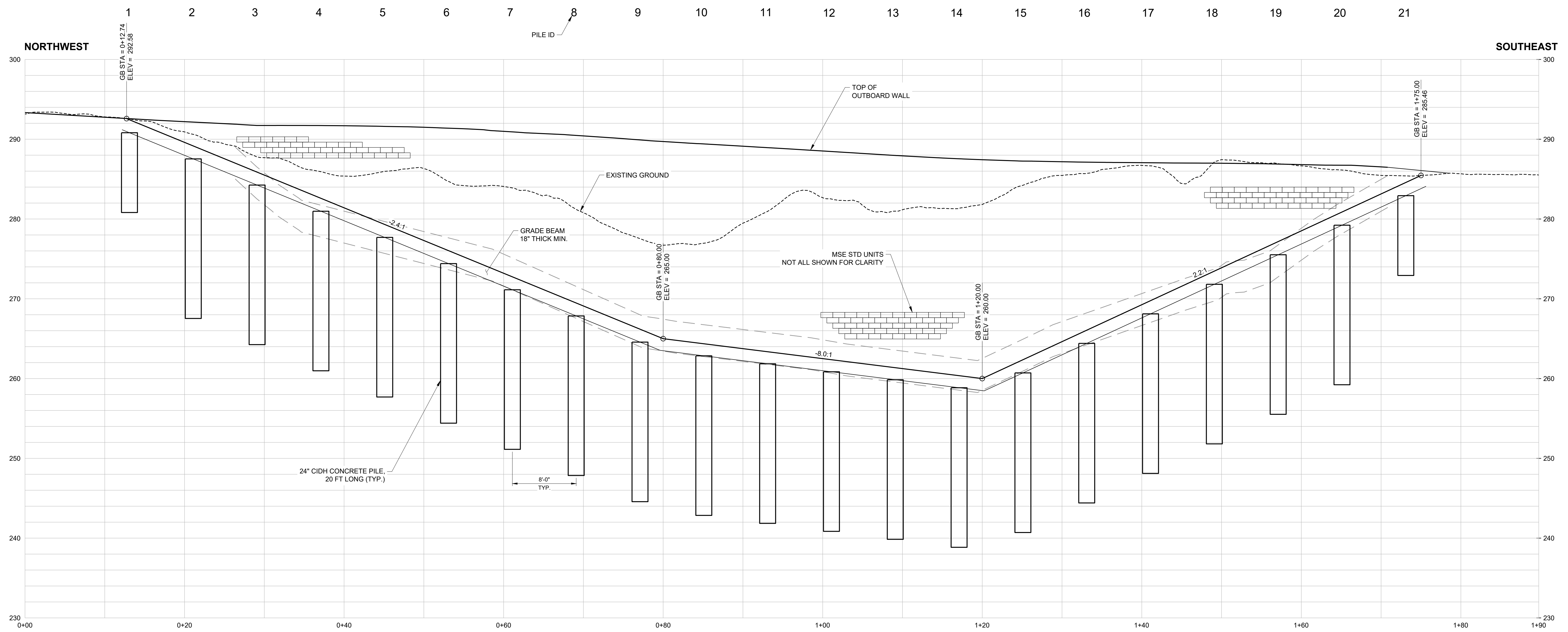
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			CHECKED BY: SA	ANN MADER STILLMAN, DIRECTOR OF PUBLIC WORKS COUNTY SAN MATEO		555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063	FILE NO.: 1/5083
			FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES				C-402 SHEET 17 OF 20

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APPROVED:
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 ANN MADER STILLMAN,
 DIRECTOR OF PUBLIC WORKS
 R. C. E. # 47882 / EXPIRES 12-31-2023



1 OUTBOARD WALL ELEVATION
 SCALE: 1" = 6'

CONCRETE PILE TABLE							
PILE #	STA.	EASTING	NORTHING	DIA. (IN)	BOTTOM EL.	TOP OF CONC EL.	CONC PILE LENGTH (FT)
1	0+13.10	1139300.838	856610.5986	24	280.81	290.81	10
2	0+21.10	1139308.838	856607.3182	24	267.53	287.53	20
3	0+29.10	1139316.838	856604.0377	24	264.25	284.25	20
4	0+37.10	1139324.838	856600.7573	24	260.97	280.97	20
5	0+45.10	1139332.838	856597.4768	24	257.69	277.69	20
6	0+53.10	1139340.838	856594.1964	24	254.41	274.41	20
7	0+61.10	1139348.838	856590.895	24	251.13	271.13	20
8	0+69.10	1139356.838	856587.6355	24	247.85	267.85	20
9	0+77.10	1139364.838	856584.355	24	244.57	264.57	20
10	0+85.10	1139372.838	856582.6371	24	242.85	262.85	20
11	0+93.10	1139380.838	856581.6371	24	241.85	261.85	20
12	1+01.10	1139388.838	856580.6371	24	240.85	260.85	20
13	1+09.10	1139396.838	856579.6371	24	239.85	259.85	20
14	1+17.10	1139404.838	856578.6371	24	238.85	258.85	20
15	1+25.10	1139412.838	856580.4924	24	240.71	260.71	20
16	1+33.10	1139420.838	856584.1955	24	244.41	264.41	20
17	1+41.10	1139428.838	856587.8985	24	248.11	268.11	20
18	1+49.10	1139436.838	856591.6016	24	251.82	271.82	20
19	1+57.10	1139444.838	856595.3047	24	255.52	275.52	20
20	1+65.10	1139452.838	856599.0077	24	259.22	279.22	20
21	1+73.10	1139460.838	856602.7108	24	272.92	282.92	10

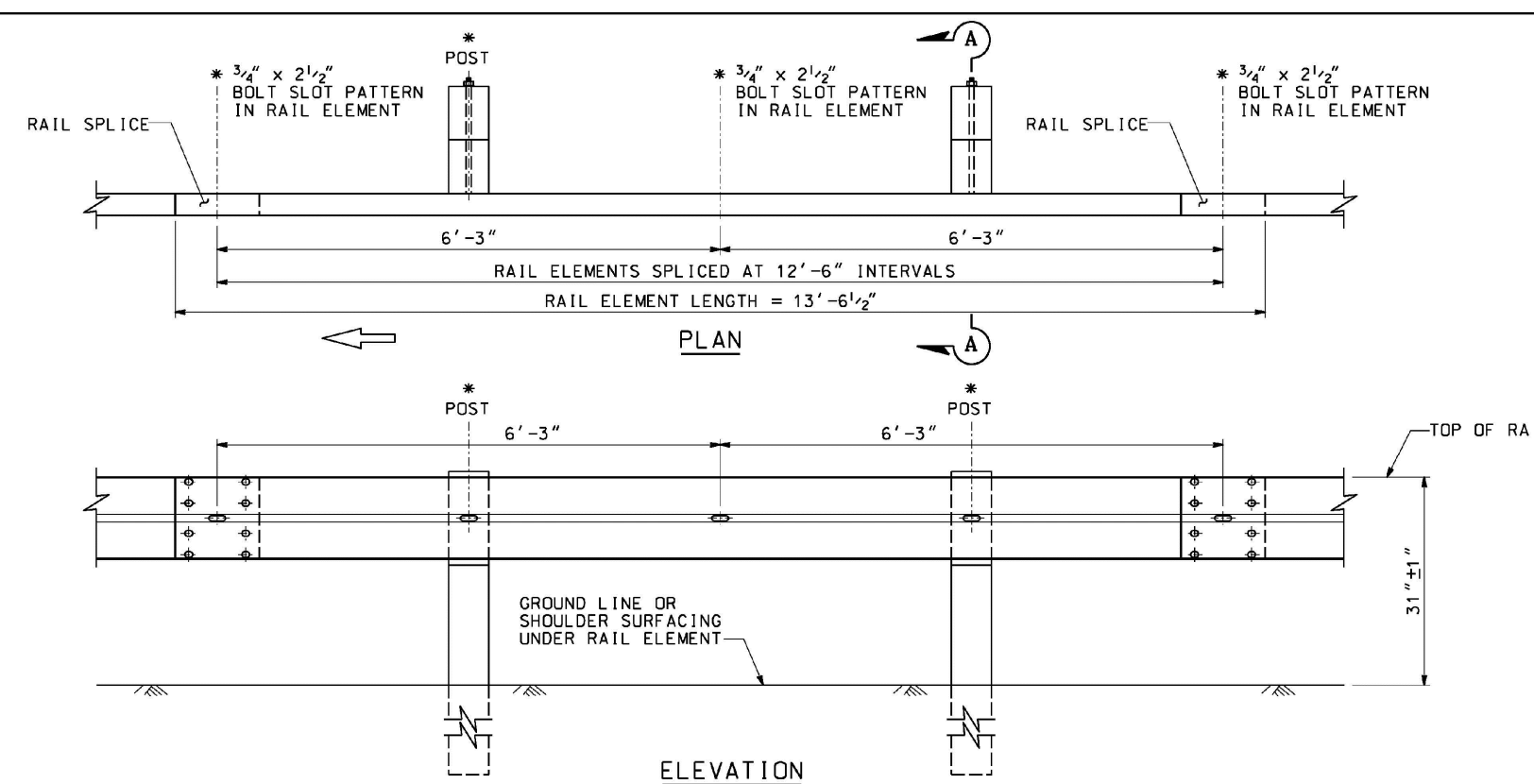
ISSUED FOR CONSTRUCTION

	HALEY ALDRICH HALEY & ALDRICH, INC. 785 Ygnacio Valley Road Walnut Creek, CA 94595 Tel: 925.935.9771 www.haleyaldrich.com		REVISION	DATE	DESIGNED BY: DPM	SLIP-OUT REPAIR 2180 HIGGINS CANYON ROAD OUTBOARD WALL DETAILS II	SCALE: AS SHOWN
			0	07/21/23	DRAWN BY: KV		DATE: JULY-2023
			CHECKED BY: SA	ANN MADER STILLMAN, DIRECTOR OF PUBLIC WORKS COUNTY SAN MATEO		555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063	FILE NO.: 1/5083
			FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES				C-403 SHEET 18 OF 20

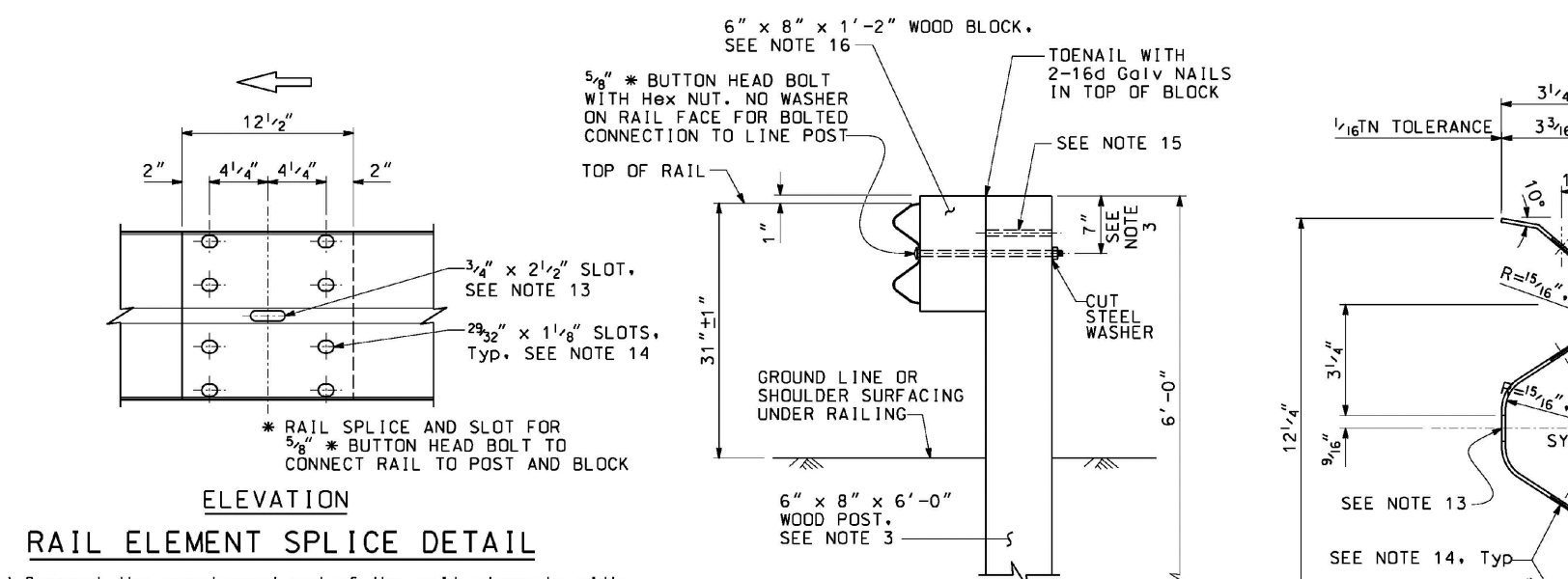
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APPROVED:
 DATE: July 28, 2023
 ANN MADER STILLMAN,
 DIRECTOR OF PUBLIC WORKS
 R. C. E. # 47882 / EXPIRES 12-31-2023



MIDWEST GUARDRAIL SYSTEM WITH WOOD POST AND BLOCKS



RAIL ELEMENT SPLICE DETAIL

a) Connect the overlapped end of the rail elements with 5/8" x 1 1/2" button head oval shoulder splice bolts inserted into the 3/4" x 2 1/2" slots and bolted together with 5/8" recessed hex nuts. Recess of hex nut points toward rail element. A total of 8 bolts and nuts are to be used at each rail splice connection.

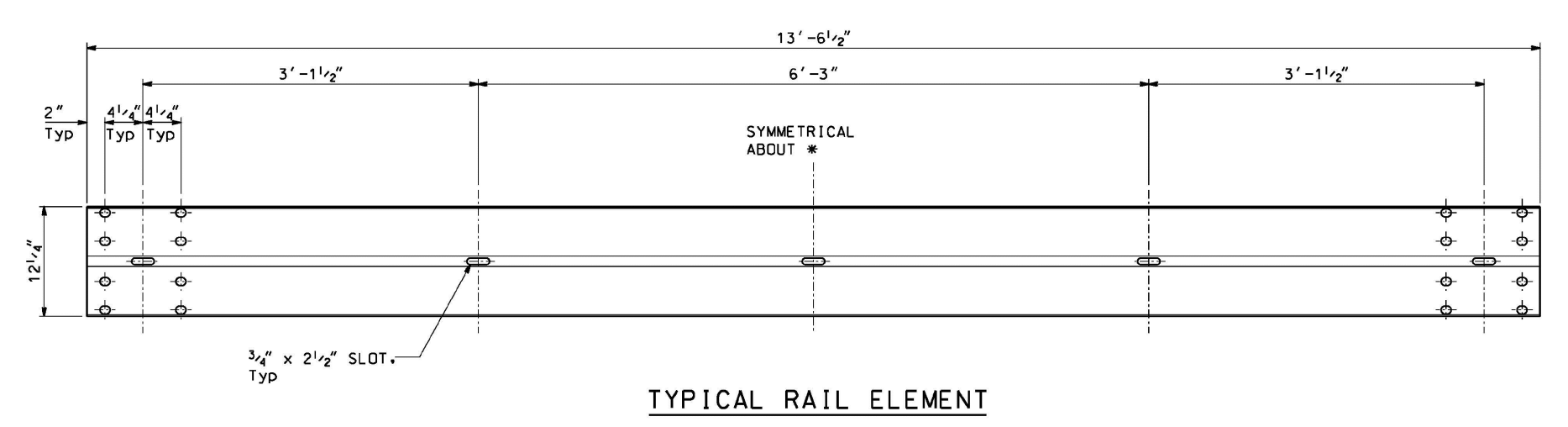
b) The ends of the rail elements are to be overlapped in the direction of traffic (see detail).

c) Where end cap is to be attached to the end of a rail element, a total of 4 of the above described splice bolts and nuts are to be used.

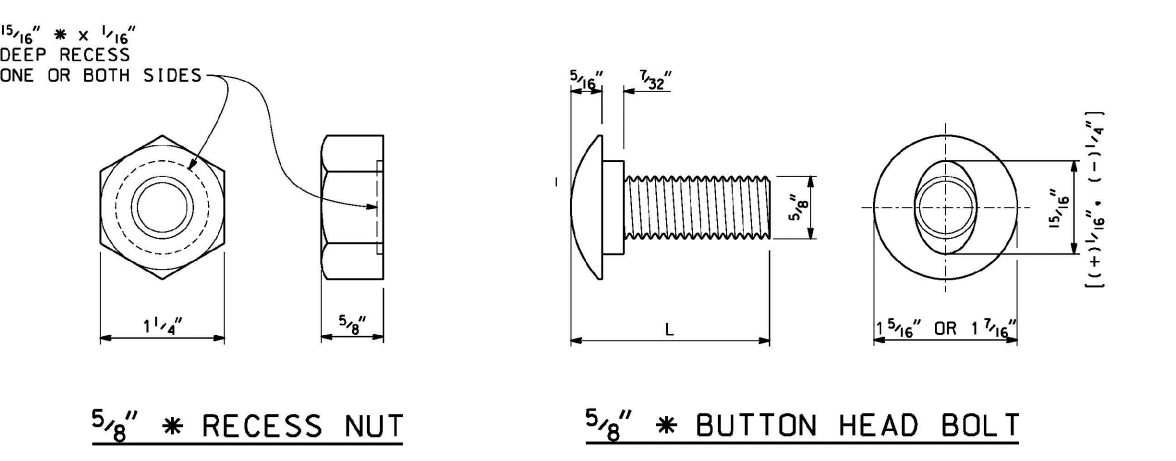
- NOTES:**
- For details of steel post installations, see Standard Plan A77L2.
 - For details of standard hardware used to construct MGS, see Standard Plan A77M1.
 - For details of wood posts and wood blocks used to construct MGS, see Standard Plan A77N1.
 - For additional installation details, see Standard Plan A77N3.
 - MGS post spacing to be 6'-3" center to center, except as otherwise noted.
 - For MGS typical layouts, see the A77P, A77Q and A77R series of Standard Plans.
 - If railing is connected to terminal system and treatment, use 31" height terminal system and treatment.
 - For MGS end anchor details, see Standard Plans A77S1 and A77T2.
 - For details of MGS transition to bridge railing, see Standard Plan A77U4.
 - For additional details of MGS connection to bridge railing, see Standard Plans A77U1, A77U2 and A77V1.
 - For MGS connection details to abutments and walls, see Standard Plan A77U3.
 - For typical MGS delineation and dike positioning details, see Standard Plan A77N4.
 - Slotted hole for bolted connection of rail element to block and post.
 - Slotted holes for splice bolts to overlap ends of rail element.
 - Additional hole in uppermost portion of line post is for potential future adjustments of railing height. See Standard Plan A77N1.
 - 6" x 12" x 1'-2" block must be used with 6" Type A dike.
 - Install posts in soil.

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
**MIDWEST GUARDRAIL SYSTEM
 STANDARD RAILING SECTION
 (WOOD POST WITH WOOD BLOCK)**
 NO SCALE

A77L1



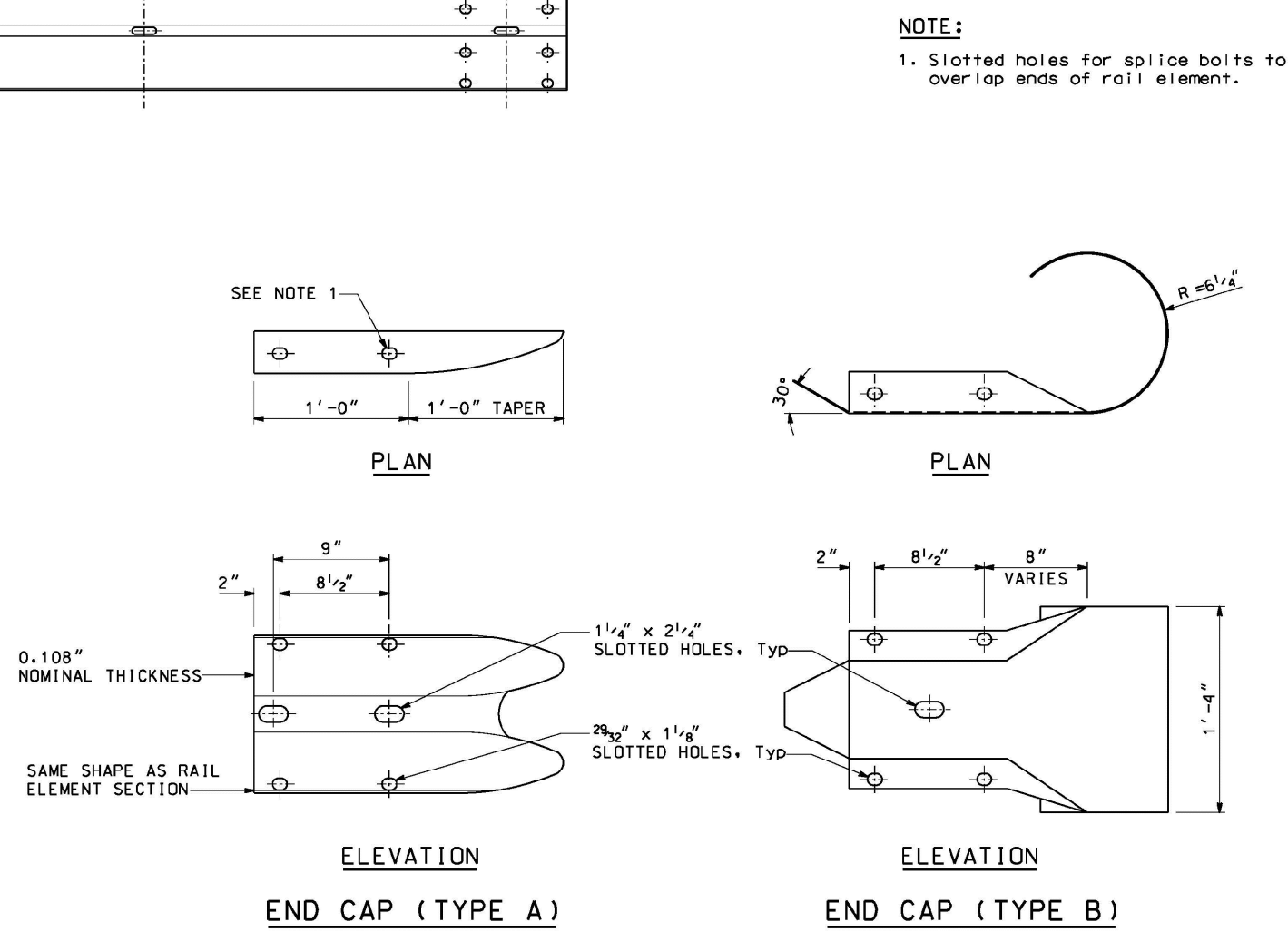
TYPICAL RAIL ELEMENT



5/8" * RECESS NUT 5/8" * BUTTON HEAD BOLT

BUTTON HEAD BOLT	
L	THREAD LENGTH
1 1/2"	FULL THREAD LENGTH
2"	FULL THREAD LENGTH
10"	4" MIN THREAD LENGTH
18"	4" MIN THREAD LENGTH
20"	4" MIN THREAD LENGTH
22"	4" MIN THREAD LENGTH
26"	4" MIN THREAD LENGTH
36"	4" MIN THREAD LENGTH
** 2 1/2"	2" MIN THREAD LENGTH
** 1 9/16"	4" MIN THREAD LENGTH

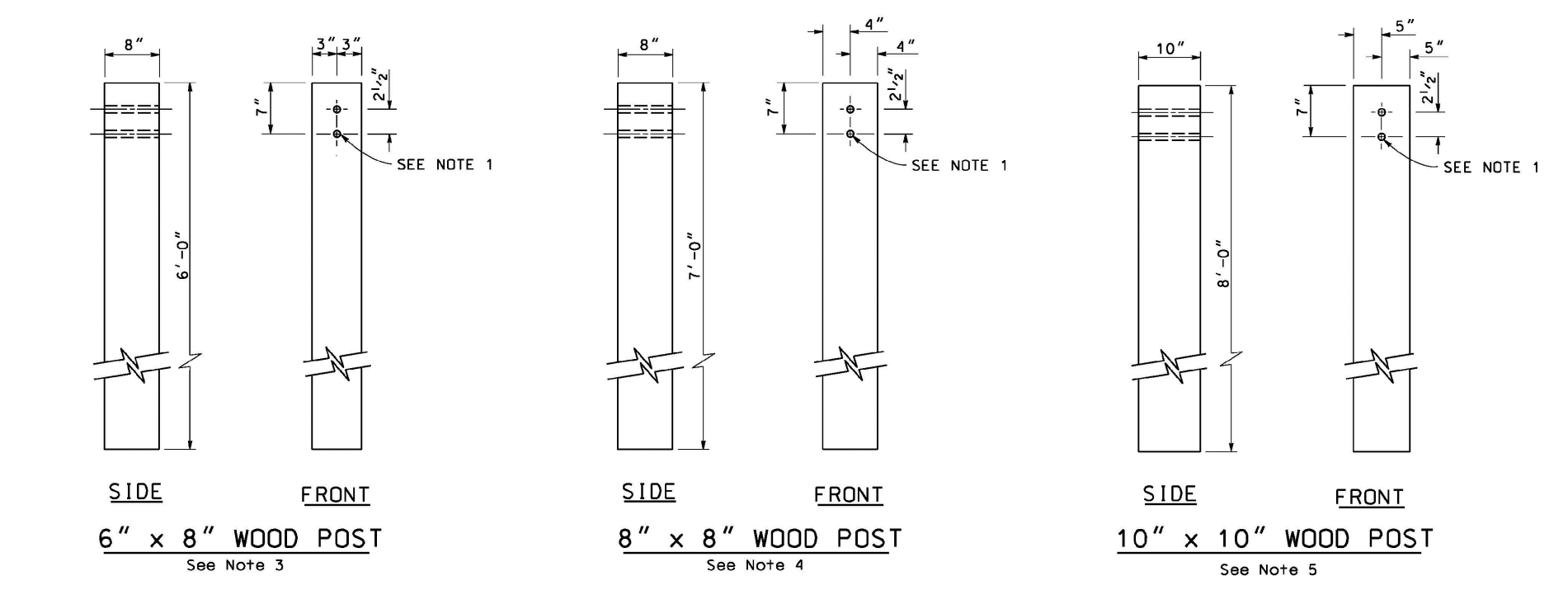
** For nested rail applications



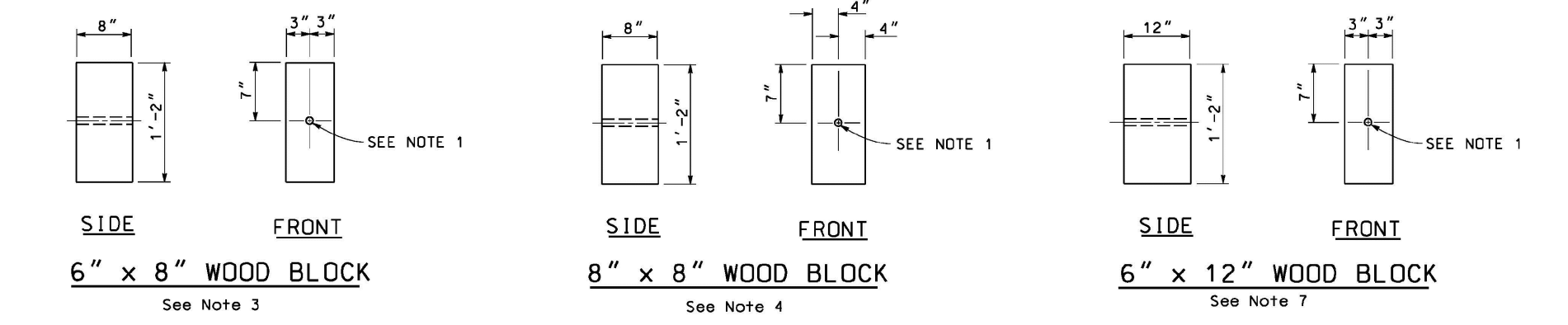
END CAP (TYPE A) END CAP (TYPE B)

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
**MIDWEST GUARDRAIL SYSTEM
 STANDARD HARDWARE**
 NO SCALE

A77M1



6" x 8" WOOD POST 8" x 8" WOOD POST 10" x 10" WOOD POST



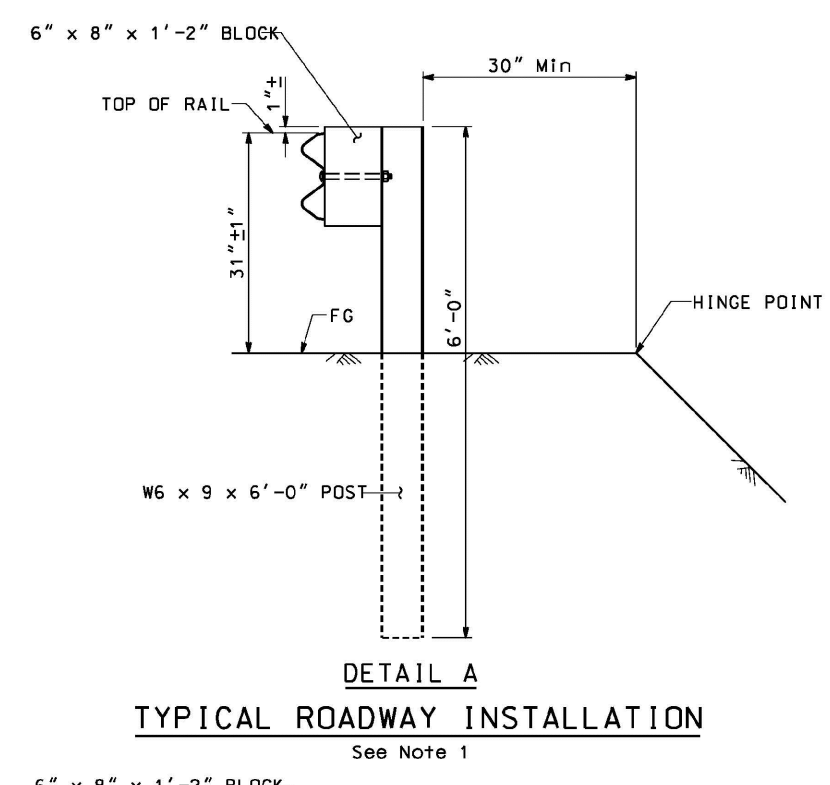
6" x 8" WOOD BLOCK 8" x 8" WOOD BLOCK 6" x 12" WOOD BLOCK 8" x 12" WOOD BLOCK

- NOTES:**
- All holes in wood posts and blocks shall be 3/4" Dia ± 1/16".
 - Dimensions shown for wood post are nominal.
 - This post and block combination used for standard line post sections of MGS.
 - This post and 8" x 8" block combination used for line post sections of MGS on narrow roadways.
 - This post and 8" x 8" block combination is typically used where strengthened line post sections of MGS are warranted to shield fixed objects.
 - To be used with 8" x 8" x 7'-0" wood post if installed with 6" height dike.
 - To be used with 6" x 8" x 6'-0" wood post if installed with 6" height dike.

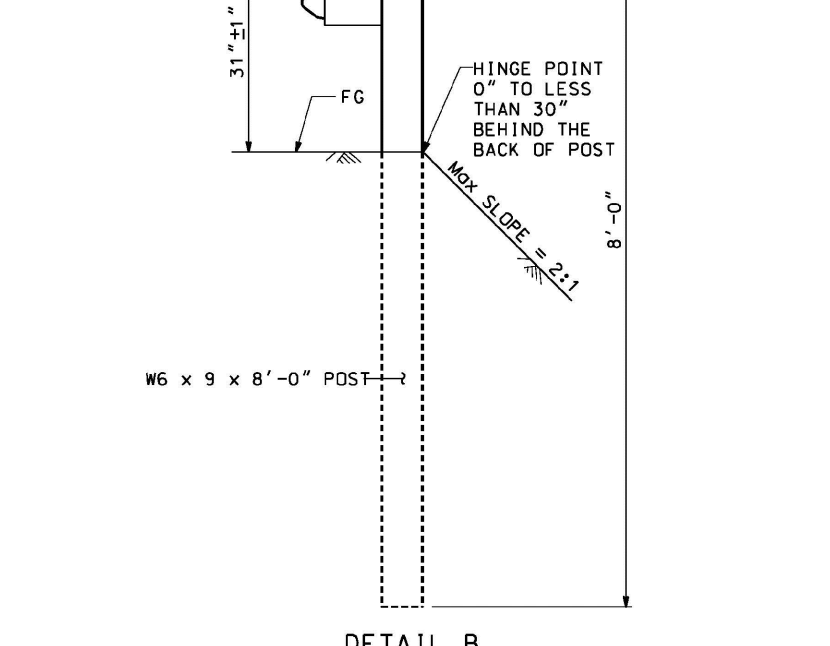
STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
**MIDWEST GUARDRAIL SYSTEM
 WOOD POST AND
 WOOD BLOCK DETAILS**
 NO SCALE

RSP A77N DATED OCTOBER 31, 2022 SUPERSEDES STANDARD PLAN A77N1 DATED AUGUST 1, 2022 - PAGE 67 OF THE STANDARD PLANS BOOK DATED 2022.

REVISED STANDARD PLAN RSP A77N1

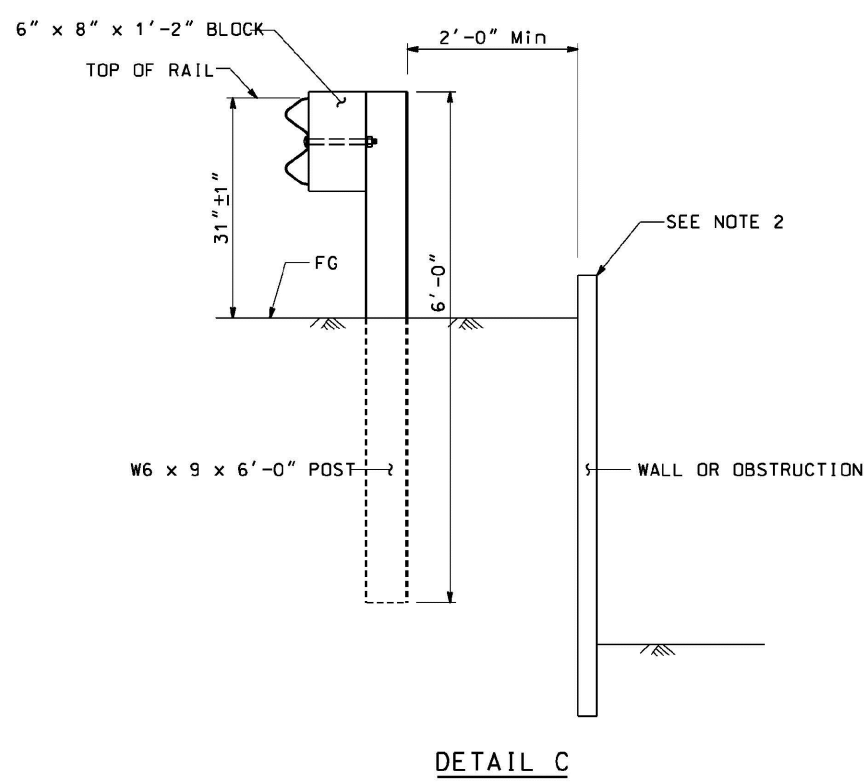


TYPICAL ROADWAY INSTALLATION



NARROW ROADWAY INSTALLATION

POST EMBEDMENT



INSTALLATION AT WALLS OR OBSTRUCTIONS

MIDWEST GUARDRAIL SYSTEM
 TYPICAL LINE POST EMBEDMENT
 AND HINGE POINT OFFSET DETAILS

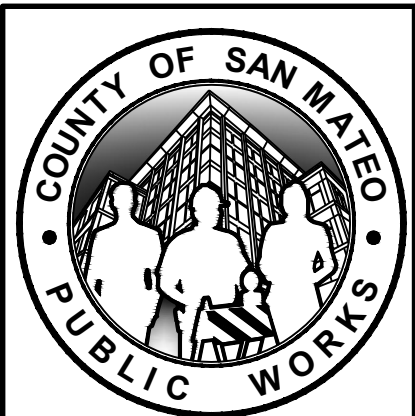
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 RSP A77N DATED OCTOBER 31, 2022 SUPERSEDES STANDARD PLAN A77N3 DATED AUGUST 1, 2022 - PAGE 68 OF THE STANDARD PLANS BOOK DATED 2022.

REVISED STANDARD PLAN RSP A77N3

ISSUED FOR CONSTRUCTION

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HALEY ALDRICH
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REVISION	DATE	DESIGNED BY: DPM
0	07/21/23	DRAWN BY: KV
		CHECKED BY: SA

SLIP-OUT REPAIR
 2180 HIGGINS CANYON ROAD
CALTRANS STANDARD DETAILS I

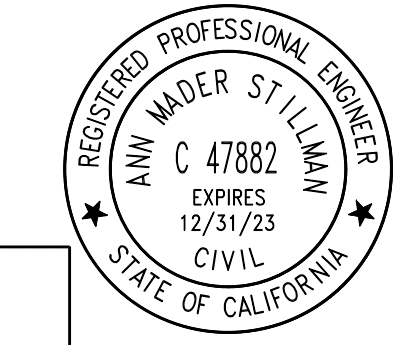
ANN MADER STILLMAN,
 DIRECTOR OF PUBLIC WORKS
 COUNTY SAN MATEO

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

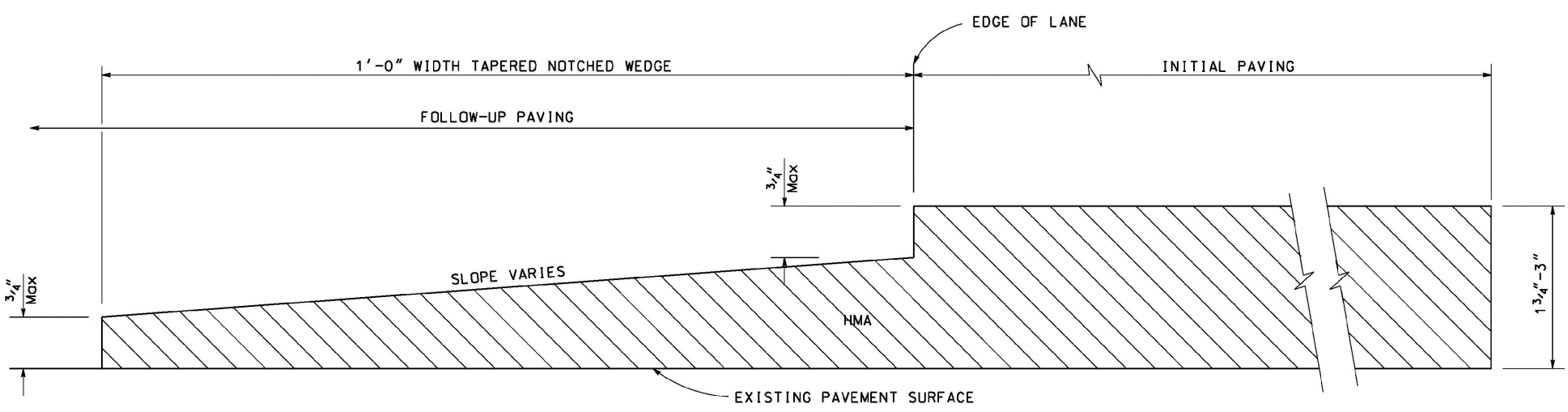
SCALE: AS SHOWN
 DATE: JULY-2023
 FILE NO.: 1/5083

FOR REDUCED PLANS
 ORIGINAL SCALE IS IN INCHES

C-404
 SHEET 19 OF 20

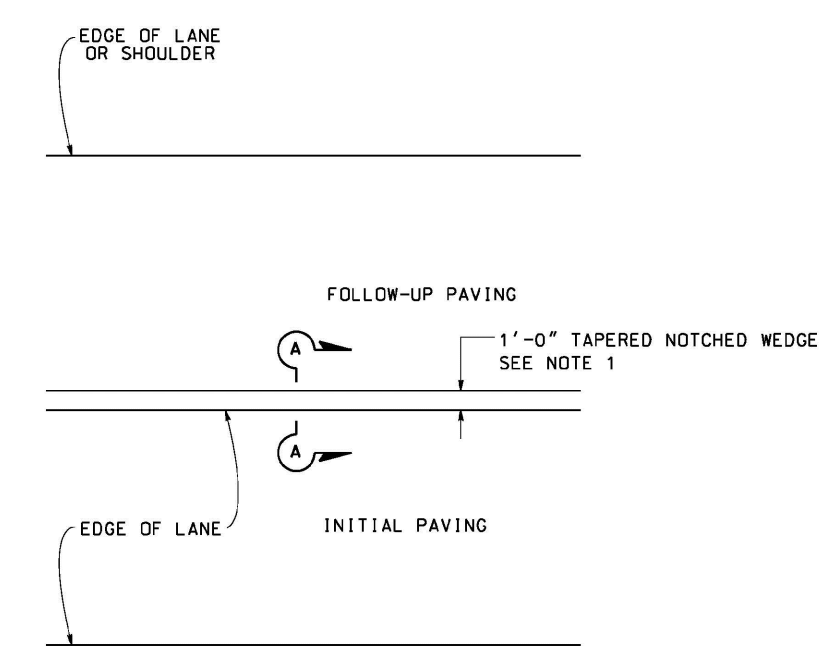


APPROVED:
 DATE: July 28, 2023
 ANN MADER STILLMAN,
 DIRECTOR OF PUBLIC WORKS
 R. C. E. # 47882 / EXPIRES 12-31-2023



NOTE:
 1. Tapered notch wedge shall extend 1'-0" into adjacent lane or shoulder to receive follow-up paving.

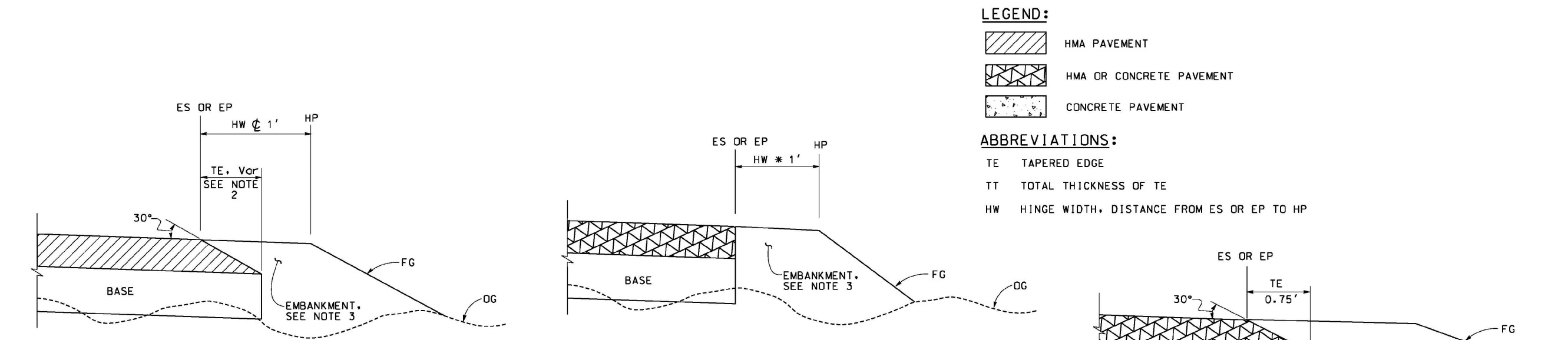
SECTION A-A
 LONGITUDINAL TAPERED NOTCHED WEDGE JOINT



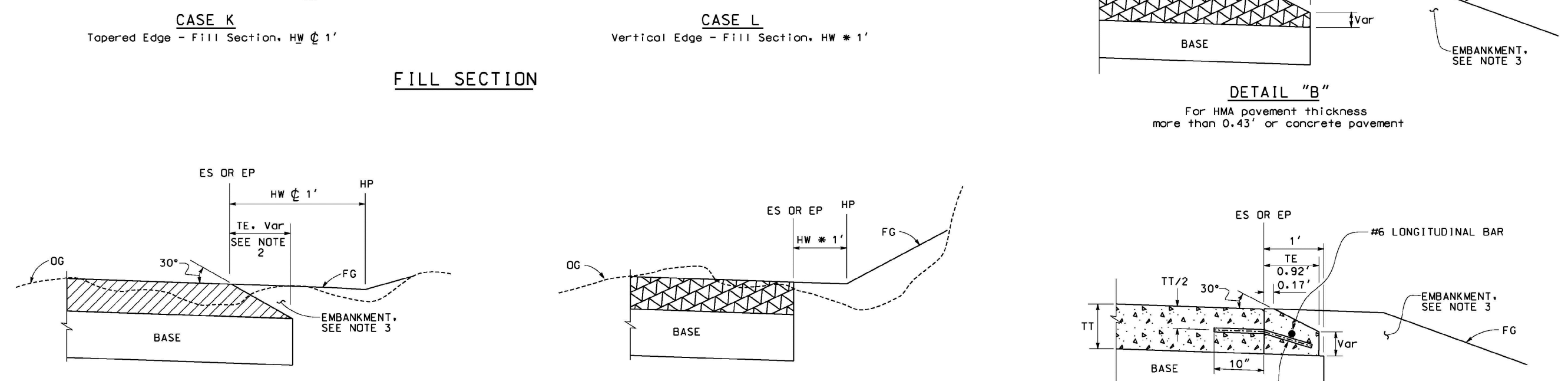
PLAN
 DIVIDED MULTILANE HIGHWAY

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
 HOT MIX ASPHALT PAVING
 (LONGITUDINAL TAPERED NOTCHED
 WEDGE JOINT)
 NO SCALE

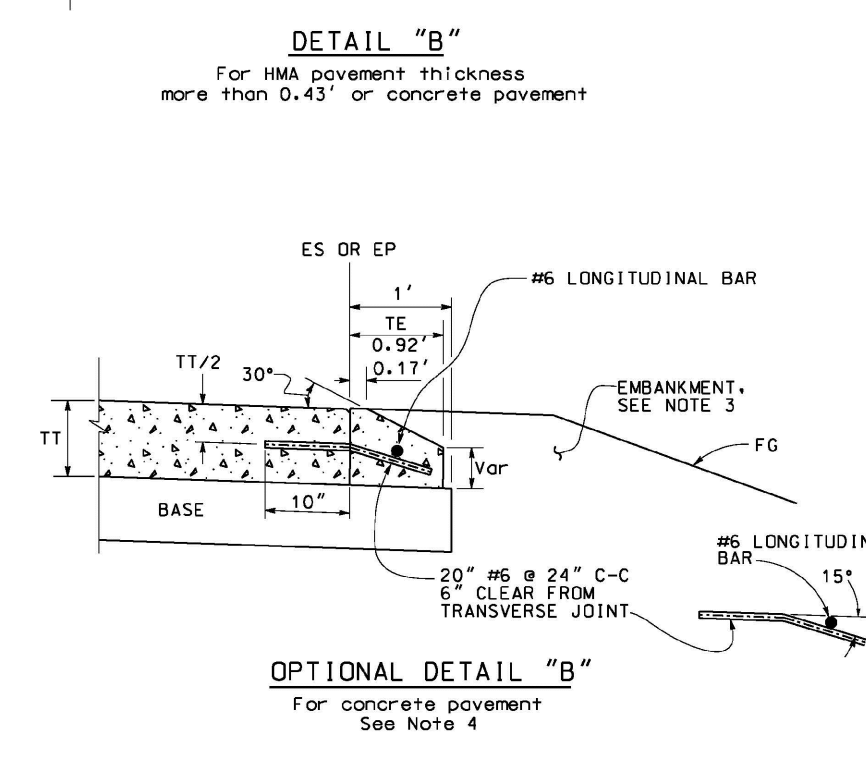
P70



LEGEND:
 HMA PAVEMENT
 HMA OR CONCRETE PAVEMENT
 CONCRETE PAVEMENT
 ABBREVIATIONS:
 TE TAPERED EDGE
 TT TOTAL THICKNESS OF TE
 HW HINGE WIDTH, DISTANCE FROM ES OR EP TO HP

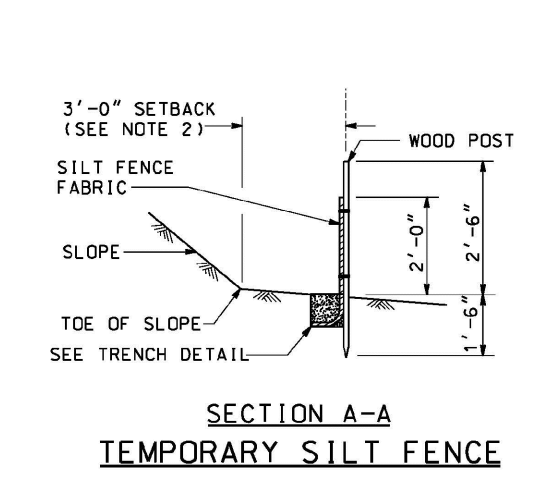


NOTES:
 1. For limits of tapered edge and vertical edge treatments, see Standard Plan P74.
 2. Details shown for HMA pavement thickness less than 0.43". See Detail "B" for HMA pavement thickness more than 0.43" or concrete pavement.
 3. For locations and limits of embankment see project plans.
 4. Tapered edge transverse joint must match pavement transverse joint. End of #6 longitudinal bar must be 2" ± 1/2" clear from transverse joint.
 5. Tapered edge is not needed in the area of M/S, barrier, right turn lane and acceleration lane. See Standard Plan P74.

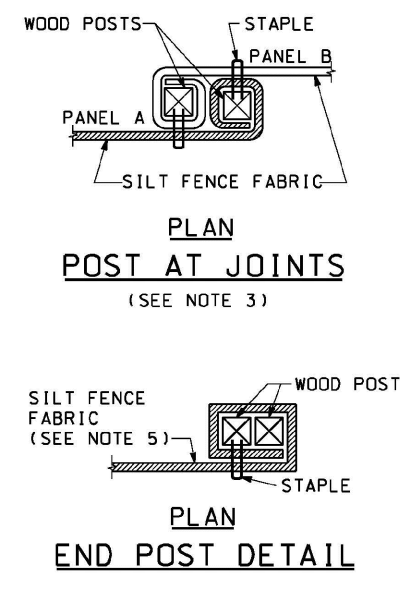


STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
 PAVEMENT EDGE TREATMENTS-
 NEW CONSTRUCTION
 NO SCALE

P76



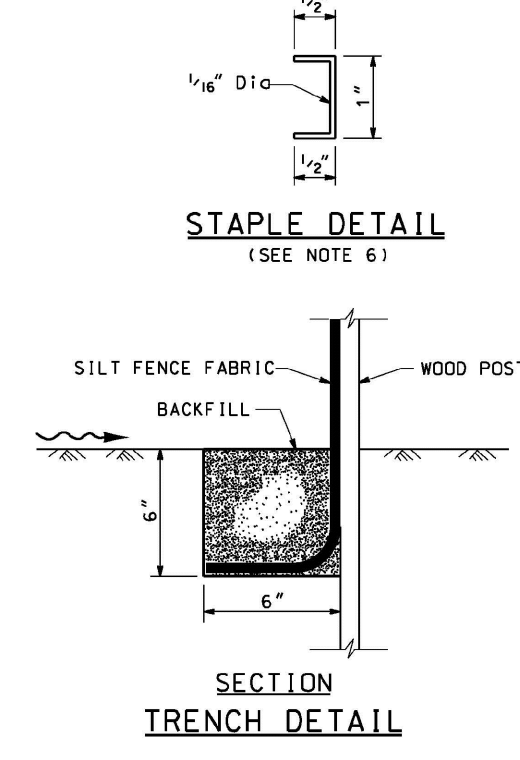
SECTION A-A
 TEMPORARY SILT FENCE



PLAN
 POST AT JOINTS



PLAN
 END POST DETAIL



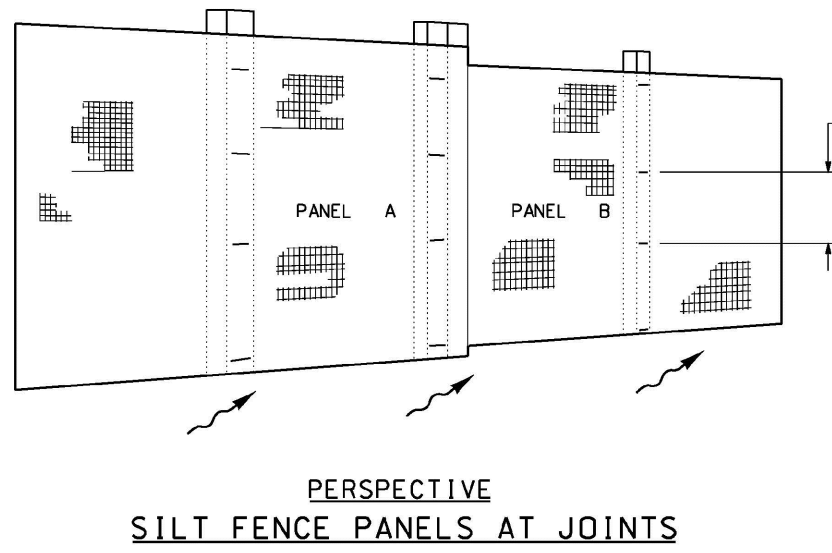
SECTION
 TRENCH DETAIL

NOTES:
 1. The down stream end of the temporary silt fence shall have the last 8' angled up slope.
 2. Setback dimensions may vary to fit field conditions.
 3. Posts to overlap and fence fabric to fold around each post one full turn. Secure fabric with 4 staples for each post.
 4. Posts shall be driven tightly together to prevent potential flow-through of sediment at the joint. The tops of the posts shall be secured to each other with wire.
 5. For each end post, fence fabric shall be folded around two posts one full turn and secured with 4 staples.
 6. Minimum of 4 staples shall be installed per post. Dimensions shown are typical.
 7. Maintenance openings shall be constructed in a manner to ensure that sediment is retained by the temporary silt fence.
 8. Joint sections shall not be placed at sump locations.

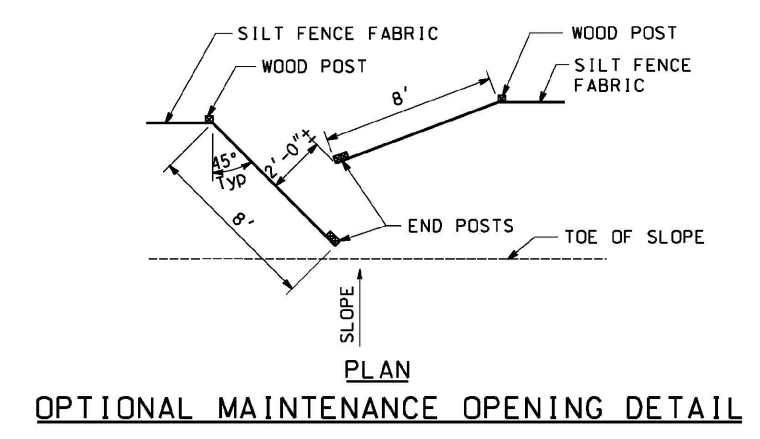
LEGEND:
 TAMPED BACKFILL
 SLOPE DIRECTION
 DIRECTION OF FLOW

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
 TEMPORARY WATER POLLUTION
 CONTROL DETAILS
 (TEMPORARY SILT FENCE)
 NO SCALE

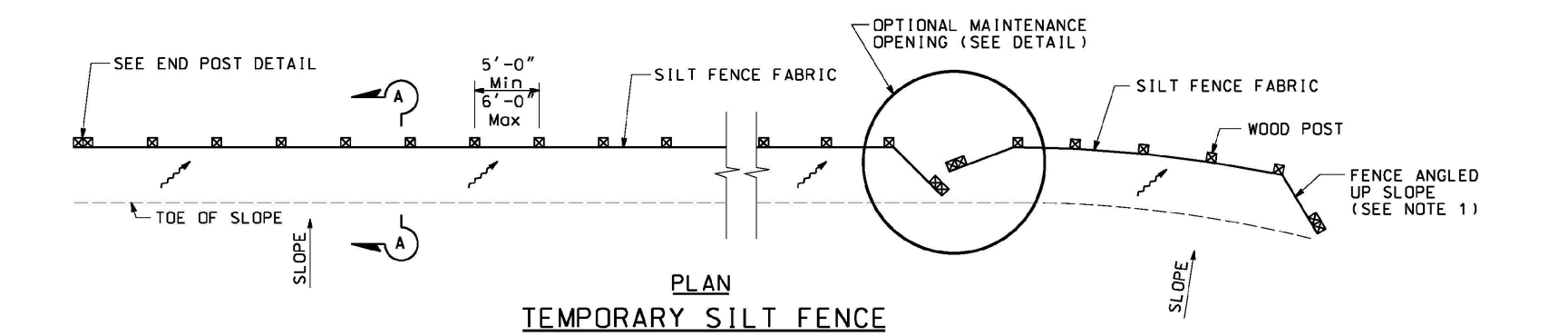
T51



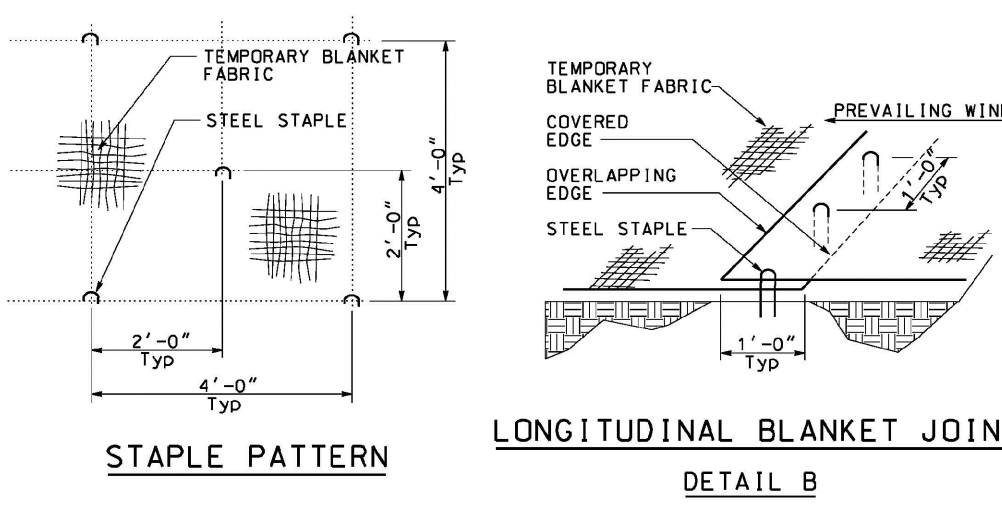
PERSPECTIVE
 SILT FENCE PANELS AT JOINTS



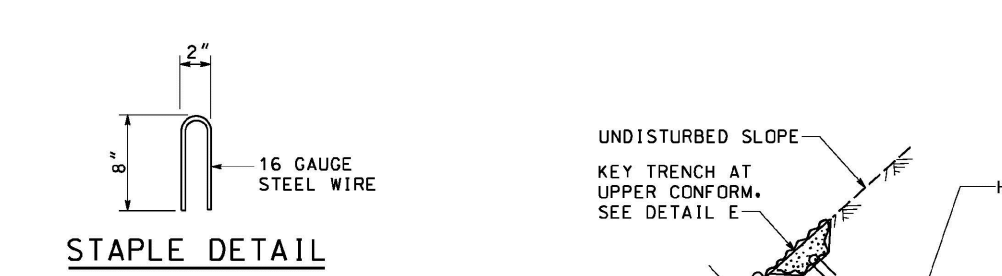
OPTIONAL MAINTENANCE
 OPENING DETAIL



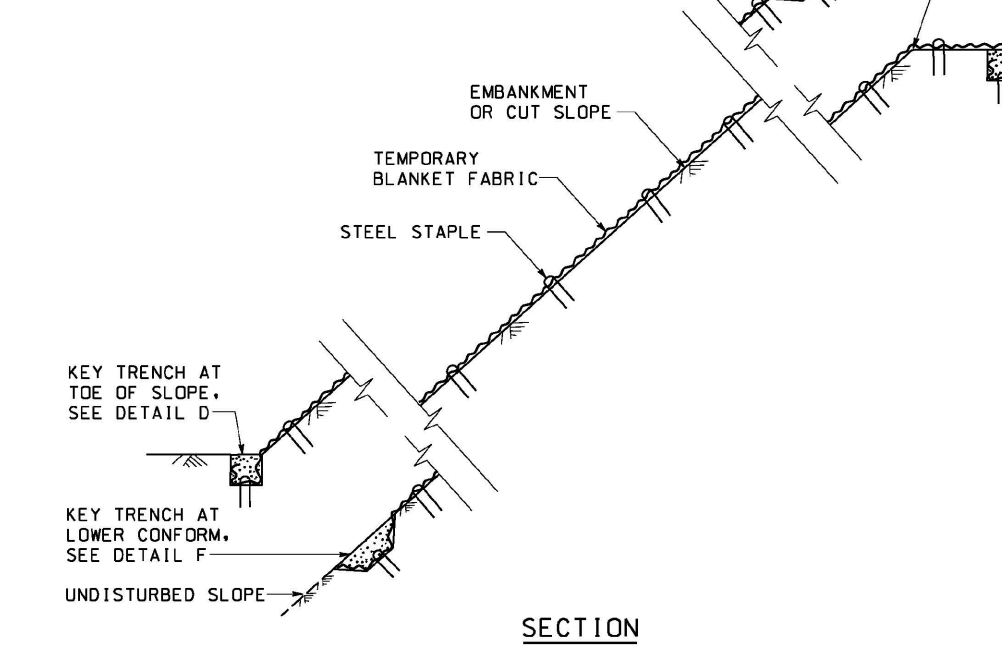
PLAN
 TEMPORARY SILT FENCE



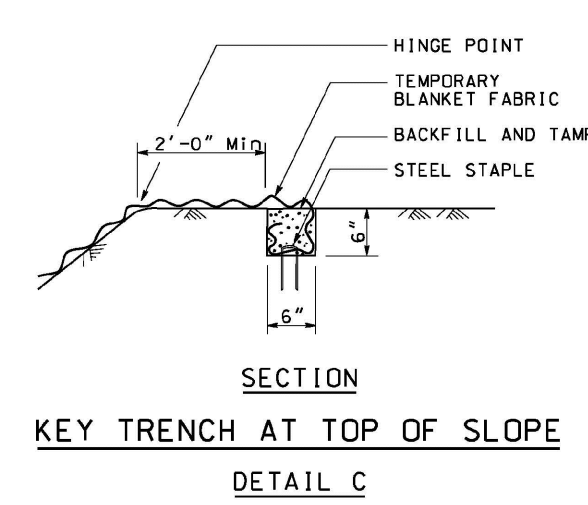
STAPLE PATTERN



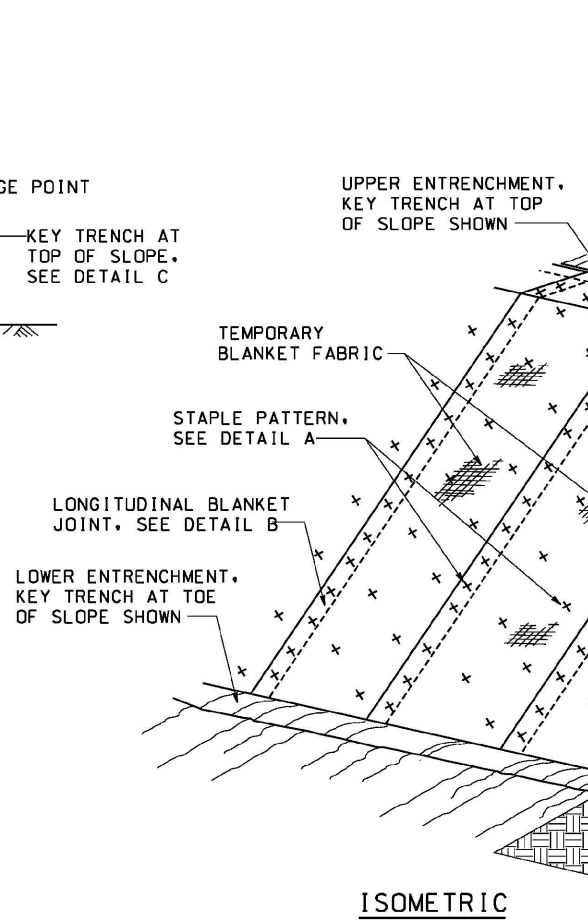
LONGITUDINAL BLANKET JOINT
 DETAIL B



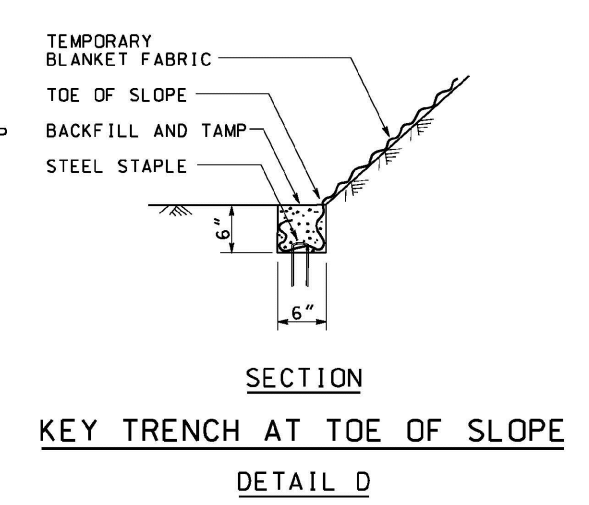
SECTION
 TEMPORARY EROSION CONTROL BLANKET
 ON SLOPE WITH VARIOUS KEY ENTRENCHMENTS



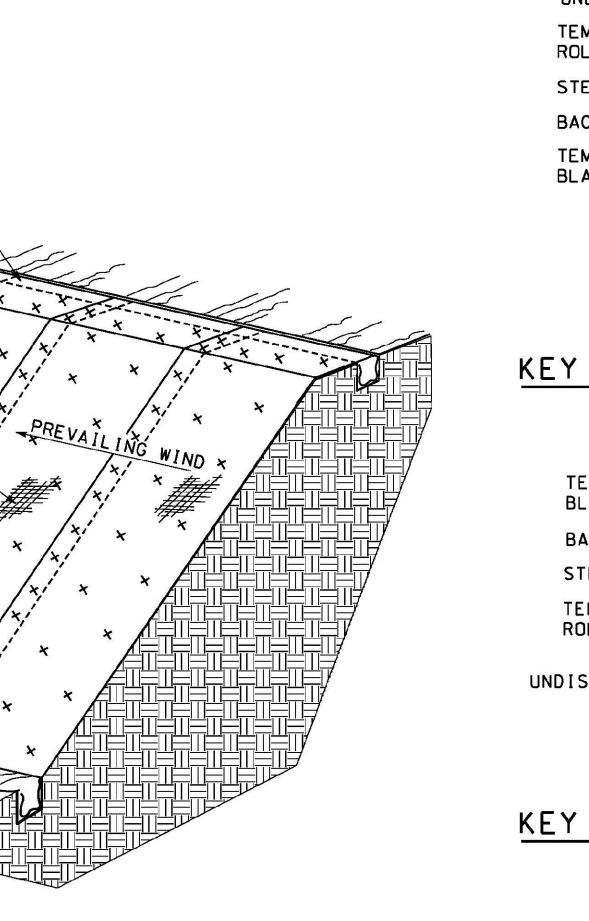
SECTION
 KEY TRENCH AT TOP OF SLOPE
 DETAIL C



ISOMETRIC
 TEMPORARY EROSION CONTROL BLANKET
 ON SLOPE

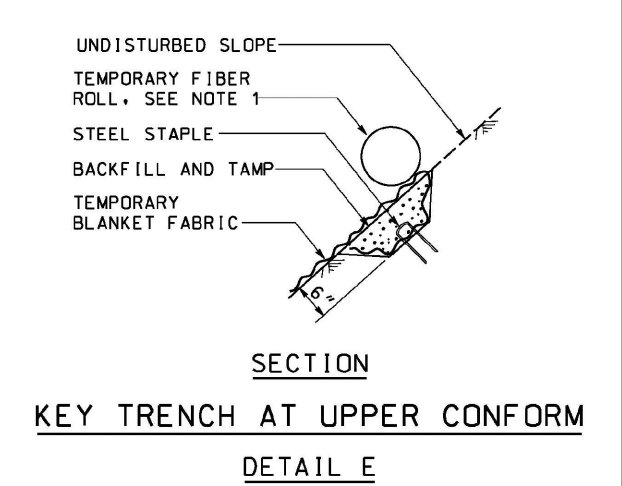


SECTION
 KEY TRENCH AT TOE OF SLOPE
 DETAIL D

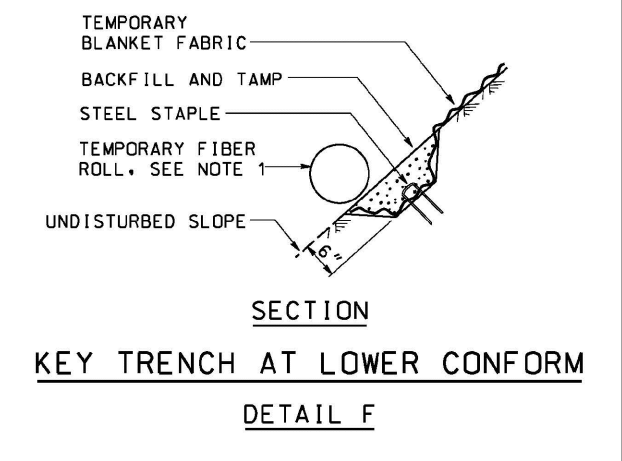


SECTION
 TEMPORARY WATER POLLUTION
 CONTROL DETAILS
 (TEMPORARY EROSION CONTROL BLANKET)
 NO SCALE

NOTE:
 1. Temporary fiber roll shown for reference purposes only.



SECTION
 KEY TRENCH AT UPPER CONFORM
 DETAIL E



SECTION
 KEY TRENCH AT LOWER CONFORM
 DETAIL F

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
 TEMPORARY WATER POLLUTION
 CONTROL DETAILS
 (TEMPORARY SILT FENCE)
 NO SCALE

T51

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
 TEMPORARY EROSION CONTROL BLANKET
 ON SLOPE
 NO SCALE

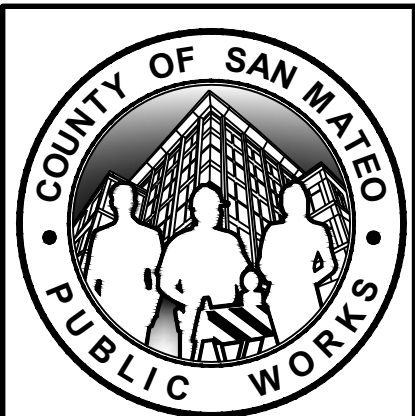
T54

ISSUED
 FOR
 CONSTRUCTION

REGISTERED PROFESSIONAL ENGINEER
 SCOTT D. ALDRICH
 C 048104
 EXPIRES 12/31/24
 STATE OF CALIFORNIA

HALEY ALDRICH
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 Tel: 925.935.9771
 www.haleyaldrich.com

PROJECT NO.: 0207686-001



REVISION	DATE	DESIGNED BY: DPM
0	07/21/23	DRAWN BY: KV CHECKED BY: SA

SLIP-OUT REPAIR
 2180 HIGGINS CANYON ROAD
CALTRANS STANDARD DETAILS II

ANN MADER STILLMAN,
 DIRECTOR OF PUBLIC WORKS
 COUNTY SAN MATEO

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

SCALE: AS SHOWN
 DATE: JULY-2023
 FILE NO.: 1/5083

FOR REDUCED PLANS
 ORIGINAL SCALE IS IN INCHES

0 1 2 3 4

C-405
 SHEET 20 OF 20