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GENERAL NOTES

1. ALL CONSTRUCTION SHALL CONFORM TO THE COUNTY OF SANTA CRUZ DESIGN CRITERIA, THE STATE STANDARD PLANS AND THE APPLICABLE PROVISIONS OF THE STATE STANDARD SPECIFICATIONS.
2. THERE SHALL BE NO CHANGES IN THE APPROVED IMPROVEMENT PLANS WITHOUT PRIOR APPROVAL BY THE SANTA CRUZ COUNTY DEPARTMENT OF PUBLIC WORKS.
3. PLEASE CALL "UNDERGROUND SERVICE ALERT" (U.S.A.) AT 811 or 800-227-2600 BEFORE DIGGING.
4. THE ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR, UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS. ALL CHANGES TO THE PLANS MUST BE APPROVED BY TRANSPORTATION ENGINEERING.
5. THE CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY, AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.
6. THE CONTRACTOR SHALL POSSESS A CLASS "A" LICENSE AT THE TIME THE CONTRACT IS AWARDED.

ABBREVIATIONS

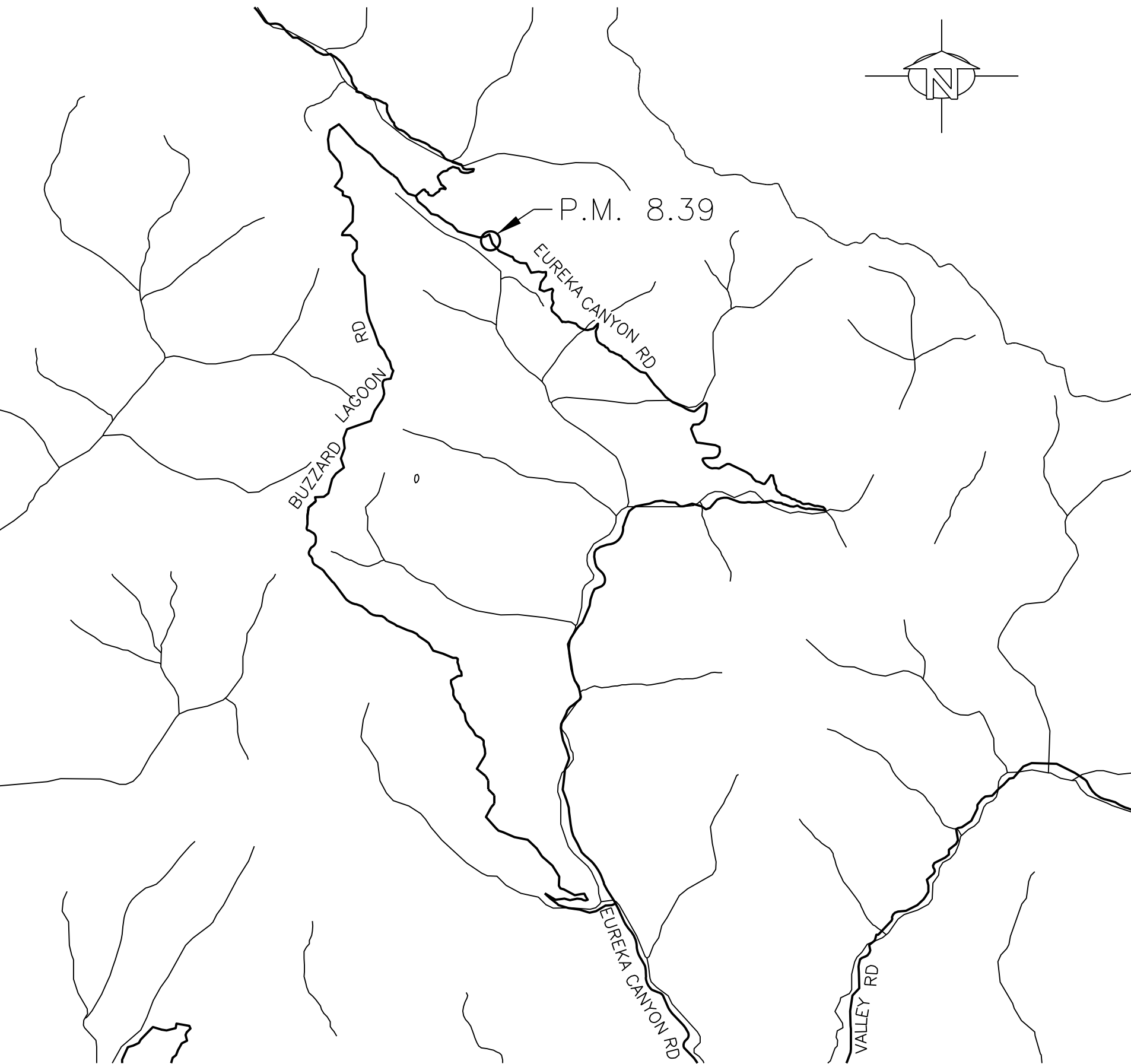
AB	AGGREGATE BASE	PG	PROFILE GRADE
AP	ANGLE POINT	PI	POINT OF INTERSECTION
BC	BEGIN CURVE	P/L	PROPERTY LINE
Beg	BEGIN	PRC	POINT OF REVERSING CURVE
BVC	BEGIN VERTICAL CURVE	PT	POINT
CL	CENTER LINE	RSP	ROCK SLOPE PROTECTION
CP	CATCH POINT	RT/Rt	RIGHT
E	EAST	R/W	RIGHT OF WAY
(E)/Exist	EXISTING	RW	RETAINING WALL
EC	END CURVE	RWLOL	RETAINING WALL LAYOUT LINE
Elev	ELEVATION	S	SOUTH
EP	EDGE OF PAVEMENT	TCE	TEMPORARY CONSTRUCTION EASEMENT
EVC	END VERTICAL CURVE	Temp	TEMPORARY
FG	FINISH GRADE	Var	VARIES
FES	FLARED END SECTION	VC	VERTICAL CURVE
FL	FLOW LINE	W	WEST
FT	FEET		
HMA	HOT MIX ASPHALT		
HP	HINGE POINT		
LT/Lt	LEFT		
LOL	LAYOUT LINE		
Max	MAXIMUM		
Min	MINIMUM		
Mod	MODIFIED		
MGS	MIDWEST GUARDRAIL SYSTEM		
MSE	MECHANICALLY STABILIZED EARTH		
N	NORTH		
NAD83	NORTH AMERICAN DATUM 1983		
NAVD88	NORTH AMERICAN VERTICAL DATUM 1988		
OG	ORIGINAL GROUND		
PCC	POINT OF COMPOUNDING CURVE		

COUNTY OF SANTA CRUZ  
DEPARTMENT OF PUBLIC WORKS

PROJECT PLANS FOR CONSTRUCTION ON  
EUREKA CANYON ROAD  
PM 8.39

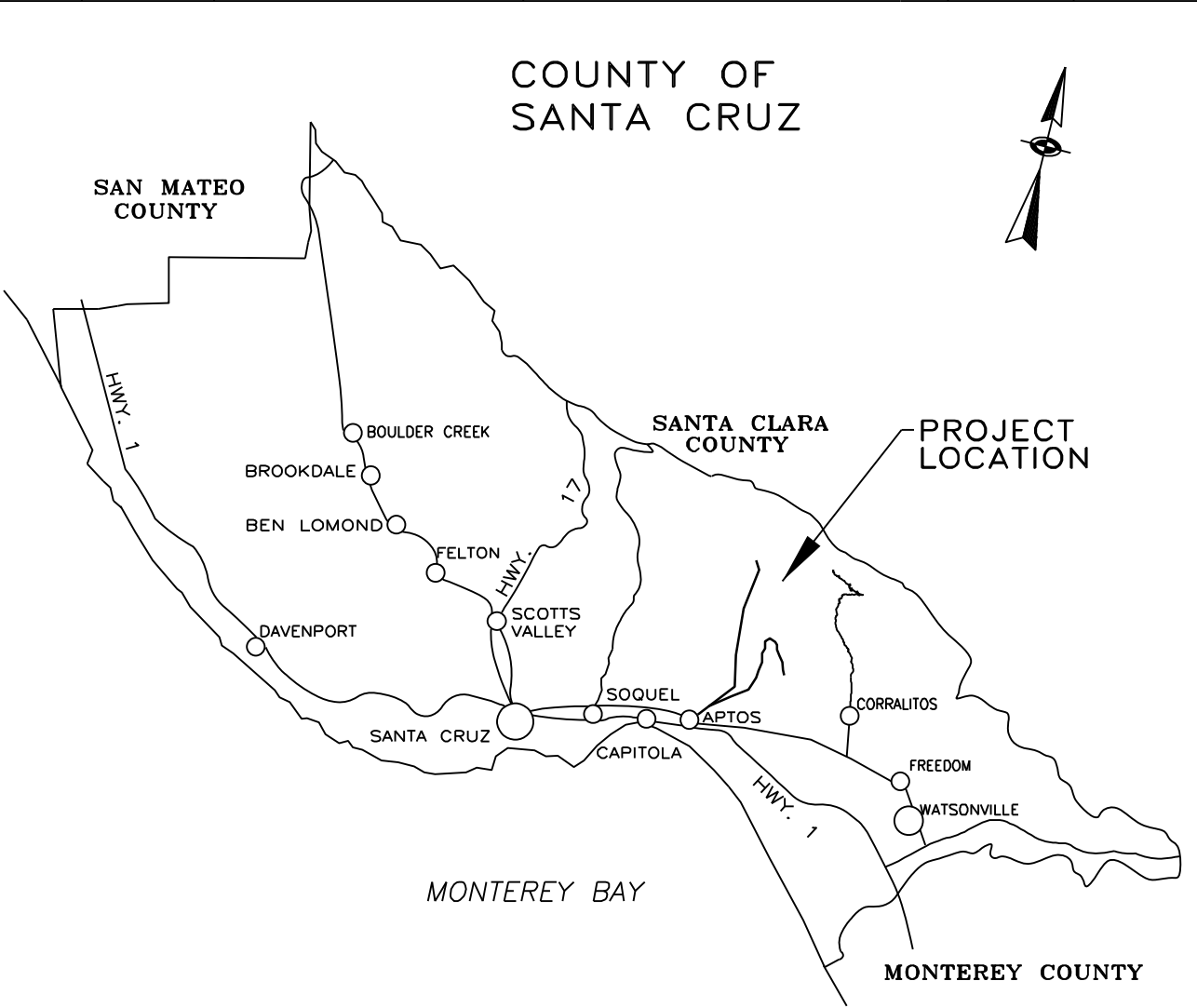
STORM DAMAGE REPAIR PROJECT  
FEDERAL PROJECT No. 32LO(260)

To be supplemented by CalTrans Standard Plans dated 2024

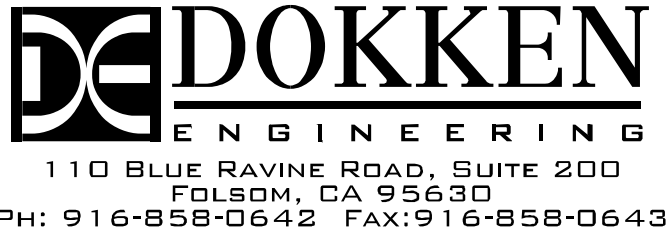


VICINITY MAP  
NOT TO SCALE

DIST	COUNTY	ROUTE	POST MILE OF PROJECT	SHEET No.	TOTAL SHEETS
05	SCr	EUREKA CANYON RD	P.M. 8.39	1	12



LOCATION MAP



Rosall J. Griggs  
Project Engineer  
Rosa Griggs

REGISTERED PROFESSIONAL ENGINEER  
ROSA GRIGGS  
No. 54169  
Exp. 12-31-25  
CIVIL  
STATE OF CALIFORNIA

DocuSigned by:  
Amber Myer  
966282964D32498...  
4/23/2025  
Civil Engineer in Responsible Charge  
Amber Myer

DocuSigned by:  
Joel LaCagnina  
F9ED86C84240460...  
4/24/2025  
Senior Design Engineer  
Joel LaCagnina

DocuSigned by:  
Steve Wiesner  
5B6D6EEFC20AAA4A6...  
4/24/2025  
Assistant Director of Public Works  
Transportation Division  
Steve Wiesner

DocuSigned by:  
Matt Machado  
50EBAC84454C48C...  
4/23/2025  
Director of Public Works  
Matthew J. Machado

Chair, Board of Supervisors

Date approved by Board of Supervisors

Reviewed by:	DocuSigned by: Greg Martin C3B54F626E174F5... 4/25/2025	Reviewed by:	DocuSigned by: Alex Sandoval 11188D68567D4F3... 4/24/2025	Reviewed by:	DocuSigned by: Katie Beach E9D07780816442D... 4/24/2025
GREG MARTIN Traffic Engineer		ALEX SANDOVAL Road Superintendent		KATIE BEACH Construction Engineer	

County Job No. P76780



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LEGEND:

- (X)

CURVE NUMBER
- NEW STRUCTURAL SECTION
- LONGITUDINAL CONFORM
- DEBRIS REMOVAL/CLEAN DITCH

CURVE DATA

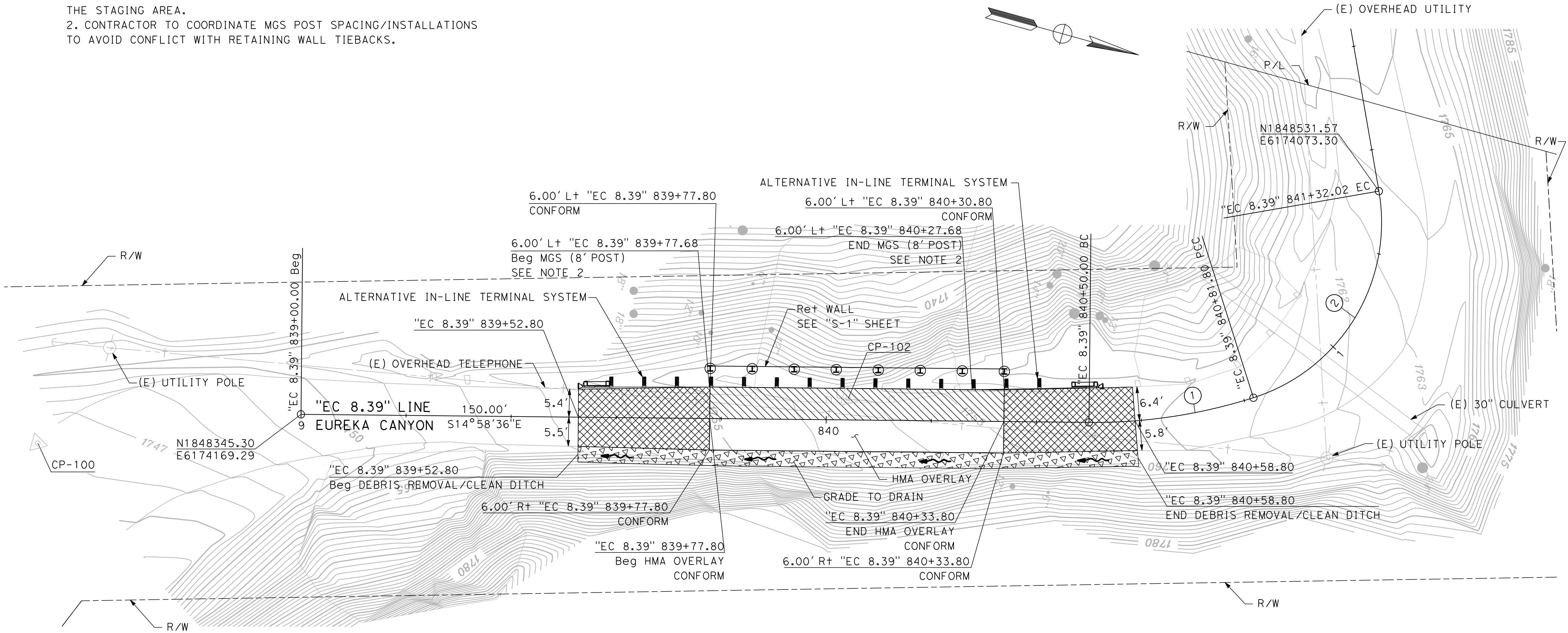
No. (X)	R	Δ	T	L
1	100.00'	18°13'22"	16.04'	31.81'
2	35.00'	-82°12'00"	30.53'	50.21'

NOTES:

1. PROVIDE SECONDARY CONTAINMENT IN COMBINATION WITH PRIMARY CONTAINMENT IF STAGING AREAS ARE WITHIN 100 FEET FROM A WATERBODY. SECONDARY CONTAINMENT MAY BE IN THE FORM OF A SOIL BERM, PLASTIC COVERED GRAVEL BAGS, OR SIMILAR IMPERVIOUS FEATURE THAT PREVENTS LIQUIDS FROM FLOWING OFF OF THE STAGING AREA.
2. CONTRACTOR TO COORDINATE MGS POST SPACING/INSTALLATIONS TO AVOID CONFLICT WITH RETAINING WALL TIEBACKS.

PROJECT CONTROL							
No	NORTHING	EASTING	ELEV	LINE	STATION	OFFSET	DESCRIPTION
100	1848298.51	6174188.02	1746.28	-	-	-	MAG
101	1848196.96	6174391.58	1730.18	-	-	-	MAG
102	1848444.86	6174138.40	1756.96	"EC 8.39"	840+04.16	4.10' L+	60 D
112	1841584.10	6180680.85	962.38	-	-	-	60 D
114	1841603.30	6180570.85	954.19	-	-	-	60 D
115	1841617.06	6180536.68	951.88	-	-	-	60 D
116	1841713.92	6180187.35	930.17	-	-	-	60 D
118	1841657.34	6181577.75	1031.58	-	-	-	60 D
119	1841480.88	6181844.37	1046.80	-	-	-	60 D
120	1841445.94	6181965.47	1050.73	-	-	-	PK
216	1841633.50	6180487.93	948.68	-	-	-	MAG

DATUM NOTE  
HORIZONTAL DATUM: NAD 83 CALIFORNIA ZONE 3  
VERTICAL DATUM: NAVD 88



PM 8.39

RELATIVE BORDER SCALE  
IS IN INCHES

\$FILEABBREV

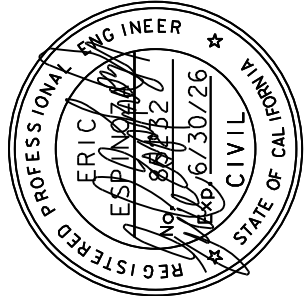
LAYOUT

SCALE 1" = 20'

L-1

SHEET NAME:

DRAWING NAME:



PROJECT ENGINEER

ERIC ESPINOZA

COUNTY OF SANTA CRUZ – DEPARTMENT OF PUBLIC WORKS

EUREKA CANYON ROAD – PM 8.39  
STORM DAMAGE REPAIR PROJECT

DRAWN:  
K. MOE  
CHECKED:  
E. ESPINOZA  
DATE:  
3/28/25  
SCALE:  
AS NOTED  
JOB NO.  
P76780  
SHEET

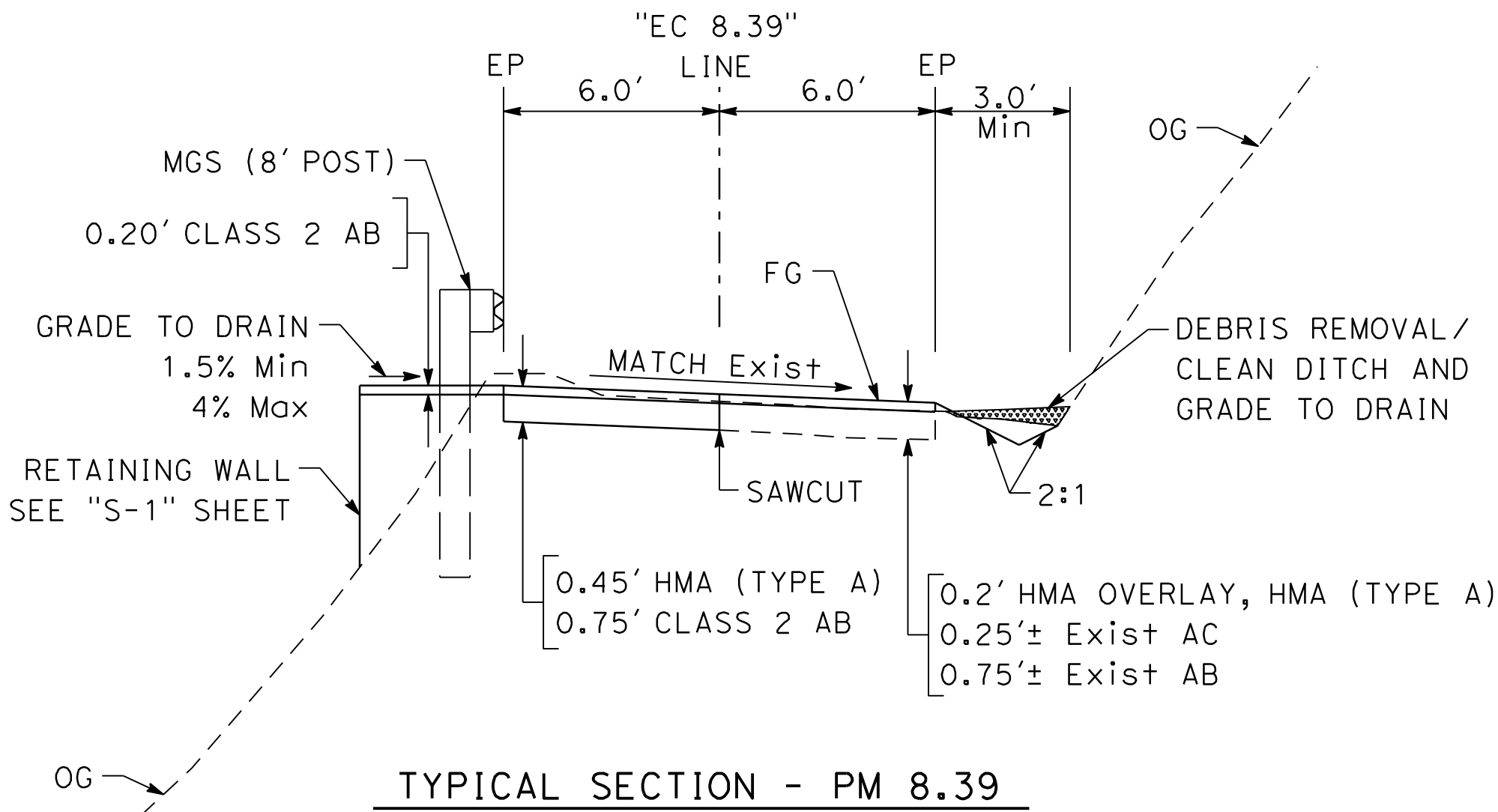
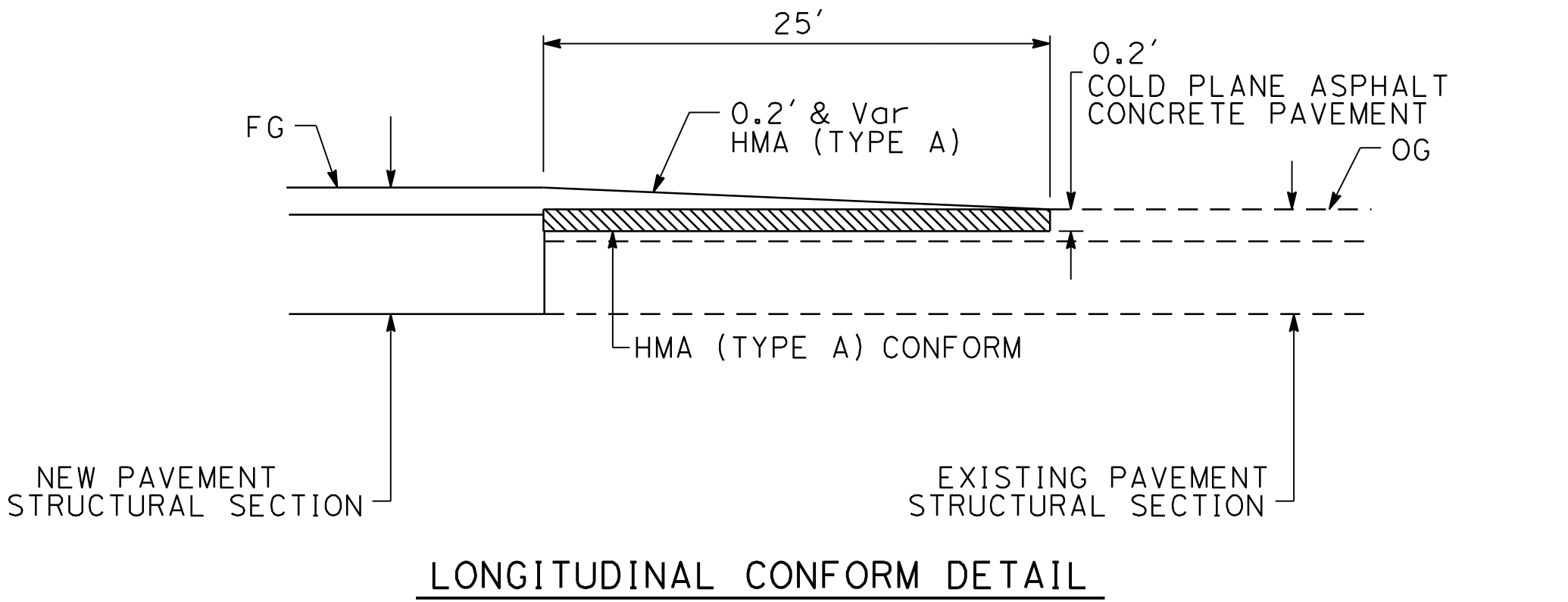
2 OF 12

DATE	REVISION	BY

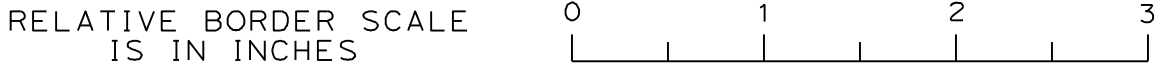
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LEGEND:

- COLD PLANE ASPHALT CONCRETE PAVEMENT
- DEBRIS REMOVAL/CLEAN DITCH



NOTE:  
The Contractor shall verify all  
controlling field dimensions before  
ordering or fabricating any material.

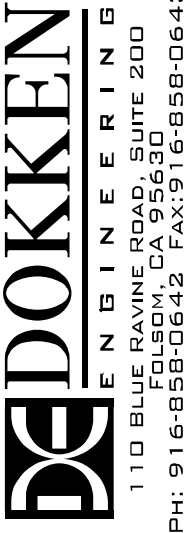


\$FILEABBREV

CONSTRUCTION DETAILS  
NO SCALE  
C-1

SHEET NAME:

DRAWING NAME:



PROJECT ENGINEER  
ERIC ESPINOZA

COUNTY OF SANTA CRUZ – DEPARTMENT OF PUBLIC WORKS  
EUREKA CANYON ROAD – PM 8.39  
STORM DAMAGE REPAIR PROJECT

DRAWN:  
K. MOE  
CHECKED:  
E. ESPINOZA  
DATE:  
3/28/25  
SCALE:  
AS NOTED  
JOB NO.  
P76780  
SHEET

DATE	REVISION	BY

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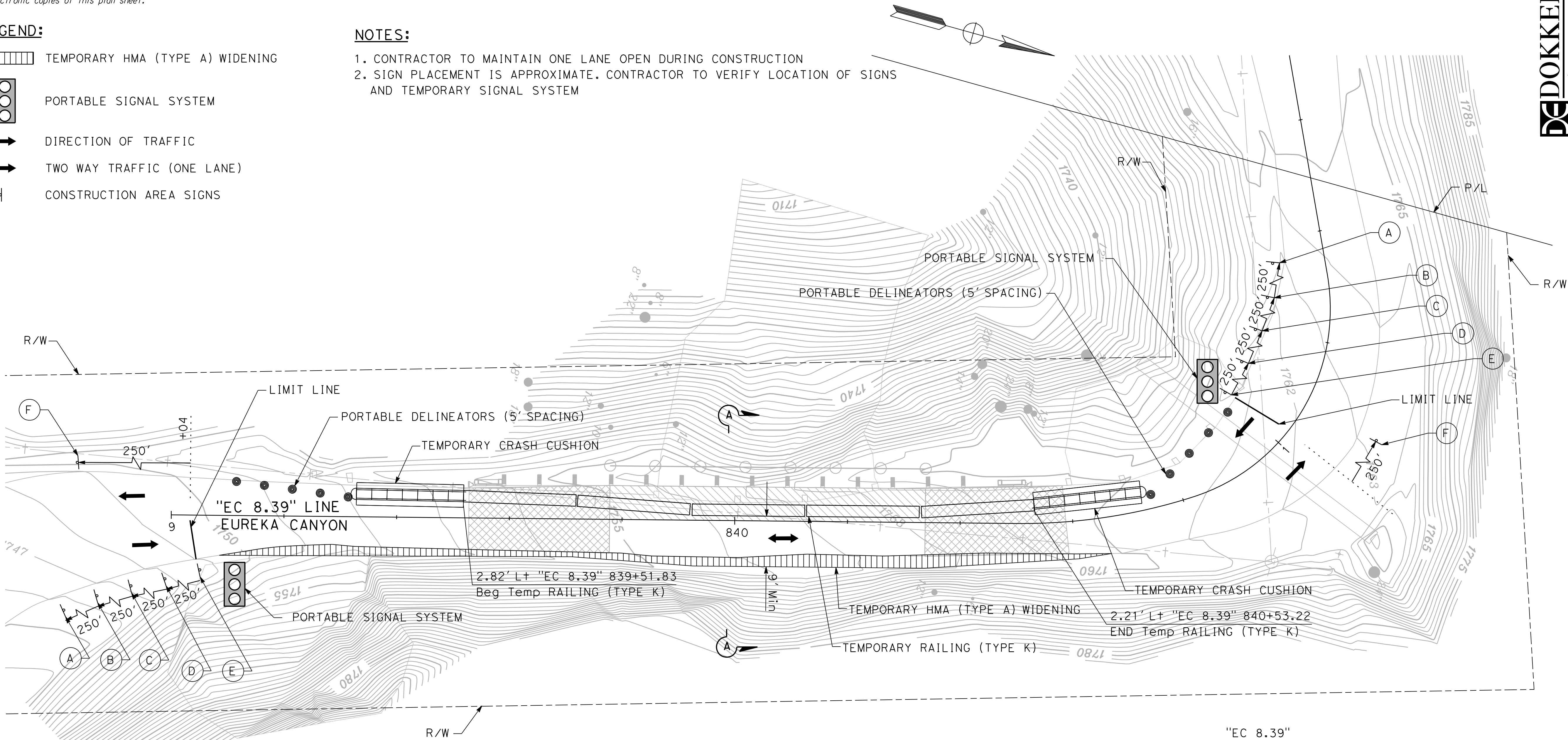
LEGEND:

- TEMPORARY HMA (TYPE A) WIDENING
- PORTABLE SIGNAL SYSTEM
- DIRECTION OF TRAFFIC
- TWO WAY TRAFFIC (ONE LANE)
- CONSTRUCTION AREA SIGNS

NOTES:

1. CONTRACTOR TO MAINTAIN ONE LANE OPEN DURING CONSTRUCTION
2. SIGN PLACEMENT IS APPROXIMATE. CONTRACTOR TO VERIFY LOCATION OF SIGNS AND TEMPORARY SIGNAL SYSTEM

**DEIDOKKEN**  
ENGINEERING  
1110 BLUE RAVINE ROAD, SUITE 200  
FOLSOM, CA 95630  
Ph: 916-958-0642 Fax: 916-958-0643

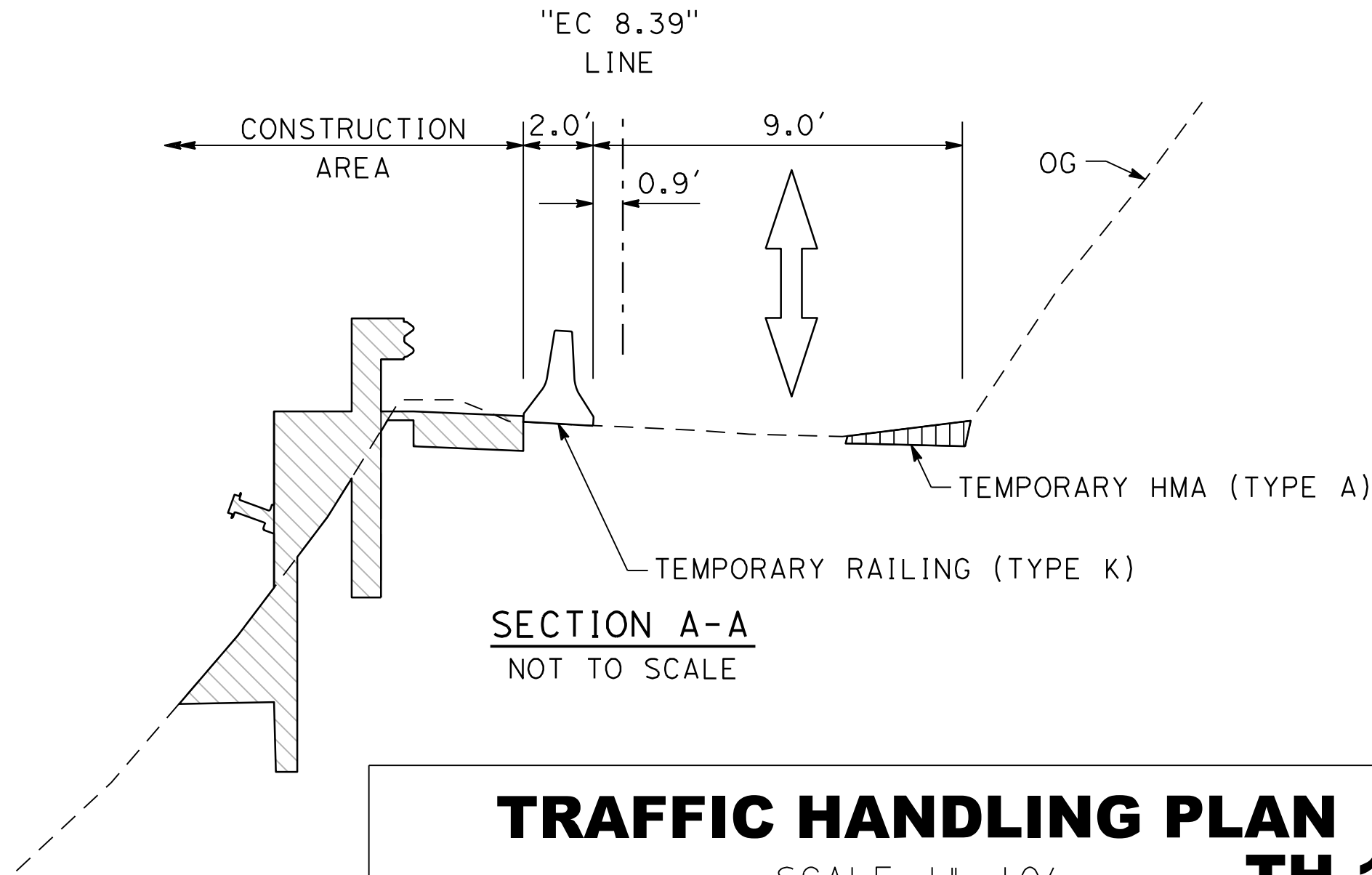


CONSTRUCTION AREA SIGNS QUANTITY TABLE

SIGN	SIGN CODE	PANEL SIZE	MESSAGE	No. AND SIZE OF POSTS	(N) No. OF SIGNS
(A)	W20-1	36" X 36"	ROAD WORK AHEAD	1 - 4" x 6"	2
(B)	W20-4	36" X 36"	ONE LANE ROAD AHEAD	1 - 4" x 6"	2
(C)	W3-3	36" X 36"	SIGNAL AHEAD	1 - 4" x 6"	2
	W13-1P	24" X 24"	20 MPH		2
(D)	W3-4	36" X 36"	BE PREPARED TO STOP	1 - 4" x 6"	2
(E)	R10-6	24" X 30"	STOP HERE ON RED	1 - 4" x 6"	2
(F)	G20-2	36" X 18"	END ROAD WORK	1 - 4" x 6"	2

NOTE:  
The Contractor shall verify all controlling field dimensions before ordering or fabricating any material.

PM 8.39



**TRAFFIC HANDLING PLAN**  
**TH-1**  
SCALE 1" = 10'

RELATIVE BORDER SCALE IS IN INCHES

\$FILEABBREV

SHEET NAME:

DRAWING NAME:

BY	REVISION	DATE	PROJECT ENGINEER	COUNTY OF SANTA CRUZ – DEPARTMENT OF PUBLIC WORKS	EUREKA CANYON ROAD – PM 8.39	STORM DAMAGE REPAIR PROJECT	DRAWN:	CHECKED:	DATE:	SCALE:	JOB NO.	SHEET
			ERIC ESPINOZA				K. MOE	E. ESPINOZA	3/28/25	AS NOTED	P76780	4 of 12



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NOTE:  
The Contractor shall verify all controlling field dimensions before ordering or fabricating any material.

ROADWAY ITEMS - PM 8.39

ITEM										
	CLASS 2 AGGREGATE BASE	HOT MIX ASPHALT (TYPE A)	COLD PLANE ASPHALT CONCRETE PAVEMENT	ROADWAY EXCAVATION	ALTERNATIVE IN-LINE TERMINAL SYSTEM	MIDWEST GUARDRAIL SYSTEM (8' POST)	DEBRIS REMOVAL/CLEAN DITCH	FIBER ROLLS	HYDROSEED	TEMPORARY HIGH-VISIBILITY FENCE
"EC 8.39"	CY	TON	SQYD	CY	EA	LF	SQYD	LF	SQFT	LF
	17	25	66	19	2	50	36	338	2500	191

TRAFFIC CONTROL ITEMS - PM 8.39

ITEM						
	HOT MIX ASPHALT (TYPE A)	TEMPORARY CRASH CUSHION	TEMPORARY RAILING (TYPE K)	PORTABLE DELINEATOR	TEMPORARY PAVEMENT MARKING (PAINT)	PORTABLE SIGNAL SYSTEMS
"EC 8.39"	TON	EA	LF	EA	SQFT	EA
	4	2	100	10	16	1

SUMMARY OF QUANTITIES  
NO SCALE  
Q-1

RELATIVE BORDER SCALE IS IN INCHES

0

1

2

3

\$FILEABBREV

SHEET NAME:

DRAWING NAME:

DATE

REVISION

BY

PROJECT ENGINEER

ERIC ESPINOZA

COUNTY OF SANTA CRUZ – DEPARTMENT OF PUBLIC WORKS

EUREKA CANYON ROAD – PM 8.39

STORM DAMAGE REPAIR PROJECT

DRAWN:  
K. MOE

CHECKED:  
E. ESPINOZA

DATE:  
3/28/25

SCALE:  
AS NOTED

JOB NO.  
P76780

SHEET

5 OF 12

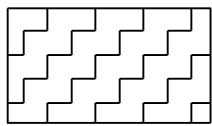
REGISTERED PROFESSIONAL ENGINEER  
ERIC ESPINOZA  
No. 66662  
Exp. 6/30/25  
CIVIL  
STATE OF CALIFORNIA

DEIDOKKEN

CIVIL ENGINEERING  
1110 BLUE RAVINE ROAD, SUITE 200  
FOLEOM, CA 95630  
Ph: 916-858-0642 Fax: 916-858-0643

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LEGEND:



HYDROSEED



FIBER ROLL

EROSION CONTROL

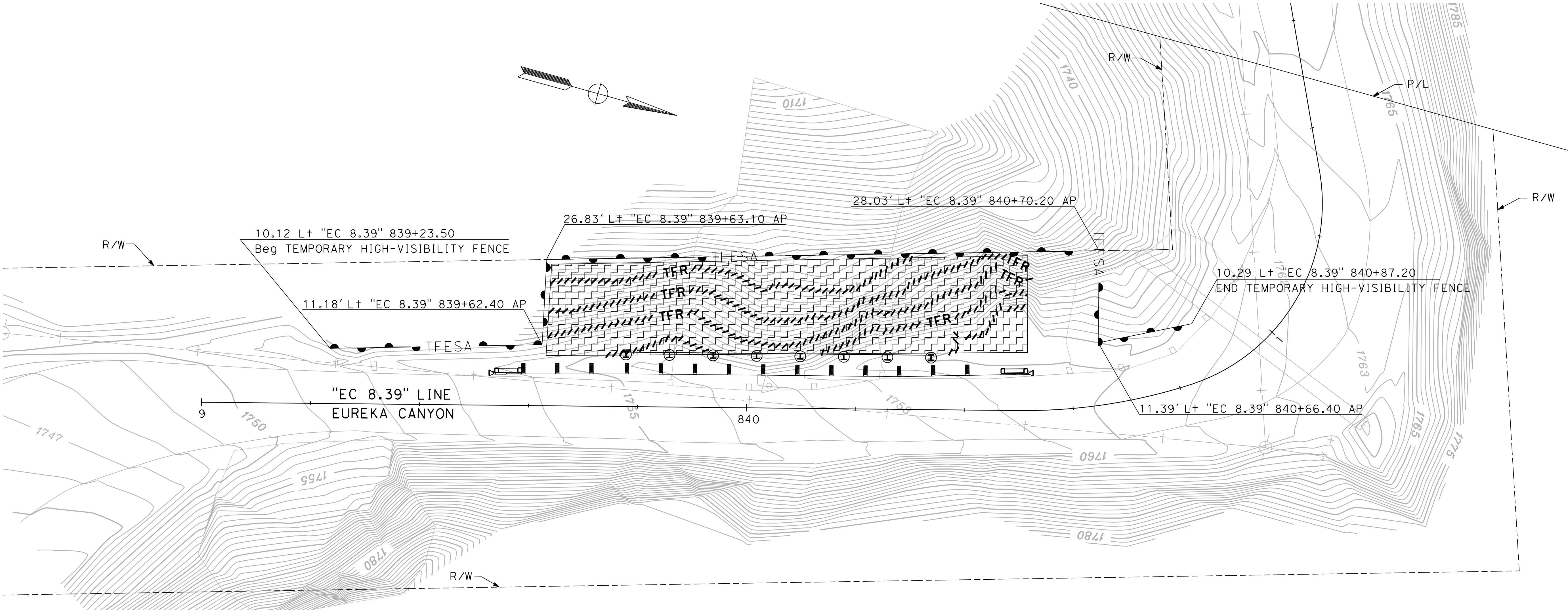
ITEM	MATERIAL		APPLICATION RATE
	DESCRIPTION	TYPE	
HYDROSEED	SEED	SEED MIX	70 LB/ACRE
	FIBER	WOOD	2000 LB/ACRE
	NATURAL SLOW RELEASE FERTILIZER	GRANULAR	800 LB/ACRE
	TACKIFIER	PSYLLIUM	100 LB/ACRE

SEED MIX

BOTANICAL NAME	COMMON NAME	LB PURE LIVE SEED PER ACRE
BROMUS CARINATUS	CALIFORNIA BROME	25
ELYMUS GLAUCUS	BLUE WILDRYE	10
VULPIA MICROSTACHYS	THREE WEEKS FESCUE	6
TRIFOLIUM WILDENOVII	TOMCAT CLOVER	4
HORDEUM BRACHYANTHERUM	CALIFORNIA MEADOW BARLEY	25

DEIDOKKEN

ENGINEERING  
1110 BLUE CANYON ROAD, SUITE 200  
FOLEOM, CA 95630  
PH: 916-958-0642 FAX: 916-958-0643



PM 8.39

NOTE:  
The Contractor shall verify all  
controlling field dimensions before  
ordering or fabricating any material.

EROSION CONTROL PLAN

SCALE 1"=10'

EC-1

RELATIVE BORDER SCALE  
IS IN INCHES



\$FILEABBREV

SHEET NAME:

DRAWING NAME:



PROJECT ENGINEER

ERIC ESPINOZA

COUNTY OF SANTA CRUZ – DEPARTMENT OF PUBLIC WORKS

EUREKA CANYON ROAD – PM 8.39

STORM DAMAGE REPAIR PROJECT

DRAWN:

K. MOE

CHECKED:

E. ESPINOZA

DATE:

3/28/25

SCALE:

AS NOTED

JOB NO.

P76780

SHEET

6 OF 12

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GENERAL NOTES

DESIGN: AASHTO LRFD Bridge Design Specifications, 8th edition with California Amendments, Preface dated November 2019  
Standard Plans and Specifications, 2024 edition with Revised Standard Plans, dated Oct 2024

LIVE LOAD: 240 psf equivalent to 2 feet soil weight

SEISMIC PARAMETERS: Seismic Increment: 11H psf uniform pressure, H is the wall height in feet.

SOIL PARAMETERS: (For determination of Design Lateral Earth Pressures)  
Backfill soil weight = 125 lb/ft<sup>3</sup>  
Friction Angle = 40°  
Active Pressure coefficient, Ka = 0.28

STEEL SOLDIER PILES: ASTM A572/A, ASTM 572M Grade 50 Min

CONCRETE: f'c = 4000 psi

STRUCTURAL TIMBER: Treated Douglas Fir, Grade No. 1 or better. Timber to be full sawn.  
Fbo = 1.20 ksi

WALER, TIE & BEARING PLATES: Fy = 36 ksi

PRESTRESSING STEEL (TIEBACK ANCHORS): FDL= Factored Design Load on tieback anchor (kips)  
FTL=Factored Test Load (kips)  
LL=Lock-Off Load (kips)

fpu = Minimum ultimate tensile strength of tieback anchor steel (ksi)

As (Min) = Minimum cross sectional area of steel in tieback anchor. (square inch)

Steel = ASTM designation: A416 (HS Strands)

As (Min) = 1.0 FTL / 0.75 fpu

FDL= 72 Kips

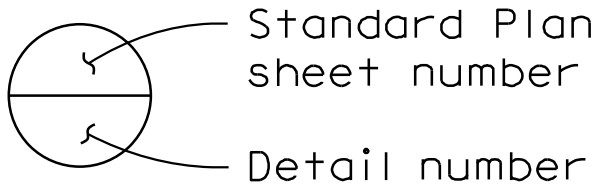
FTL= 72 Kips 1.0 FDL } Per MTD 5-12

LL= 48 Kips 0.67 FDL }

BEG RET WALL  
RWLOL 10+00.00 = 10.00' L+ "EC 8.39"  
Sta 839+77.80

END RET WALL  
RWLOL 10+56.00 = 10.00' L+ "EC 8.39"  
Sta 840+33.80

LEGEND:

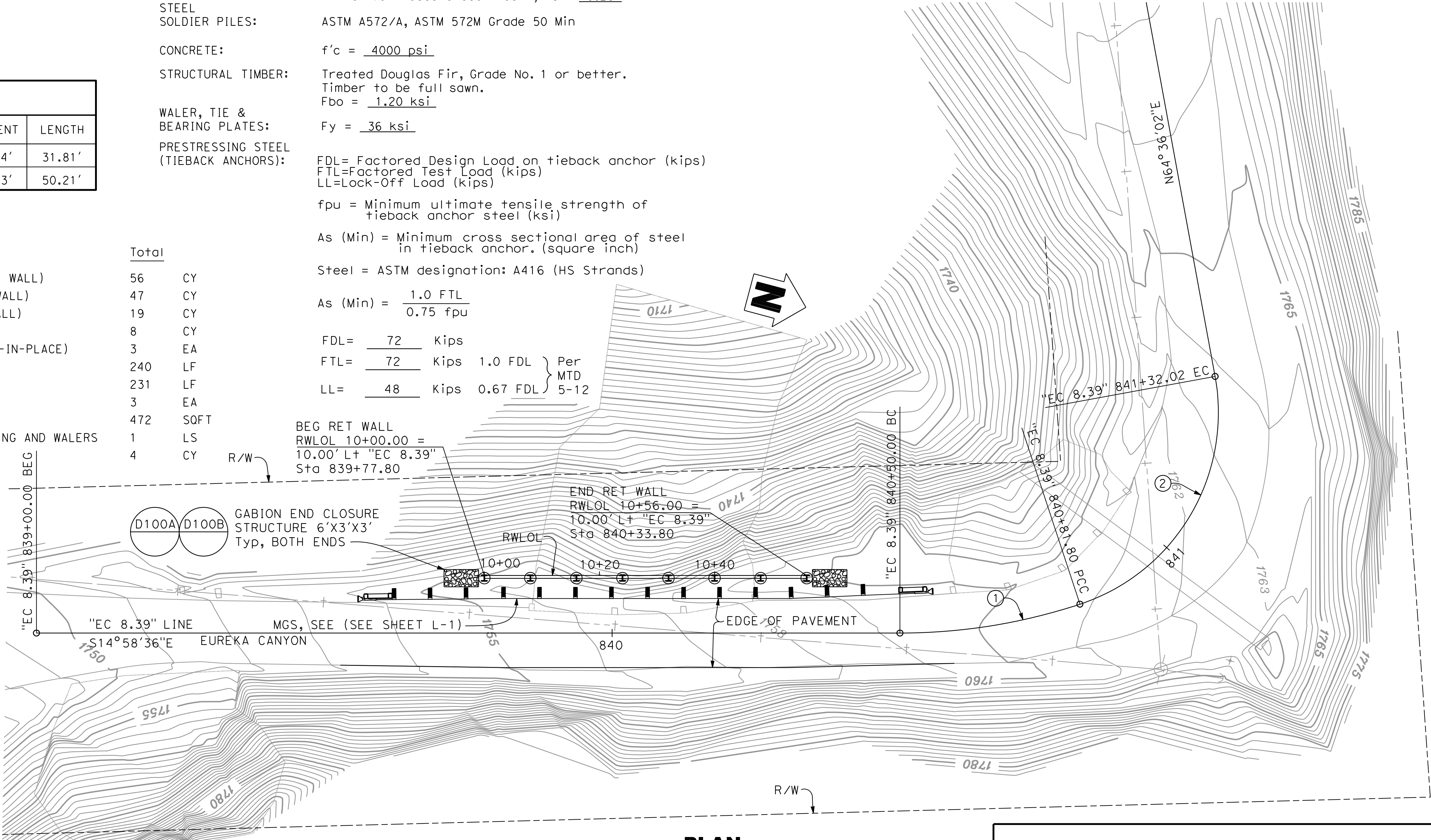


CURVE DATA

CURVE	RADIUS	DELTA	TANGENT	LENGTH
①	100.00'	18°13'22"	16.04'	31.81'
②	35.00'	82°12'00"	30.53'	50.21'

QUANTITIES

Item	Total
STRUCTURE EXCAVATION (SOLDIER PILE WALL)	56 CY
STRUCTURE BACKFILL (SOLDIER PILE WALL)	47 CY
CONCRETE BACKFILL (SOLDIER PILE WALL)	19 CY
LEAN CONCRETE BACKFILL	8 CY
TIEBACK ANCHOR ASSEMBLY (COMPLETE-IN-PLACE)	3 EA
STEEL SOLDIER PILE (HP 12X84)	240 LF
24" DRILLED HOLE	231 LF
STEEL WALER (COMPLETE-IN-PLACE)	3 EA
TIMBER LAGGING	472 SOFT
CLEAN AND PAINT STEEL SOLDIER PILING AND WALERS	1 LS
GABION	4 CY



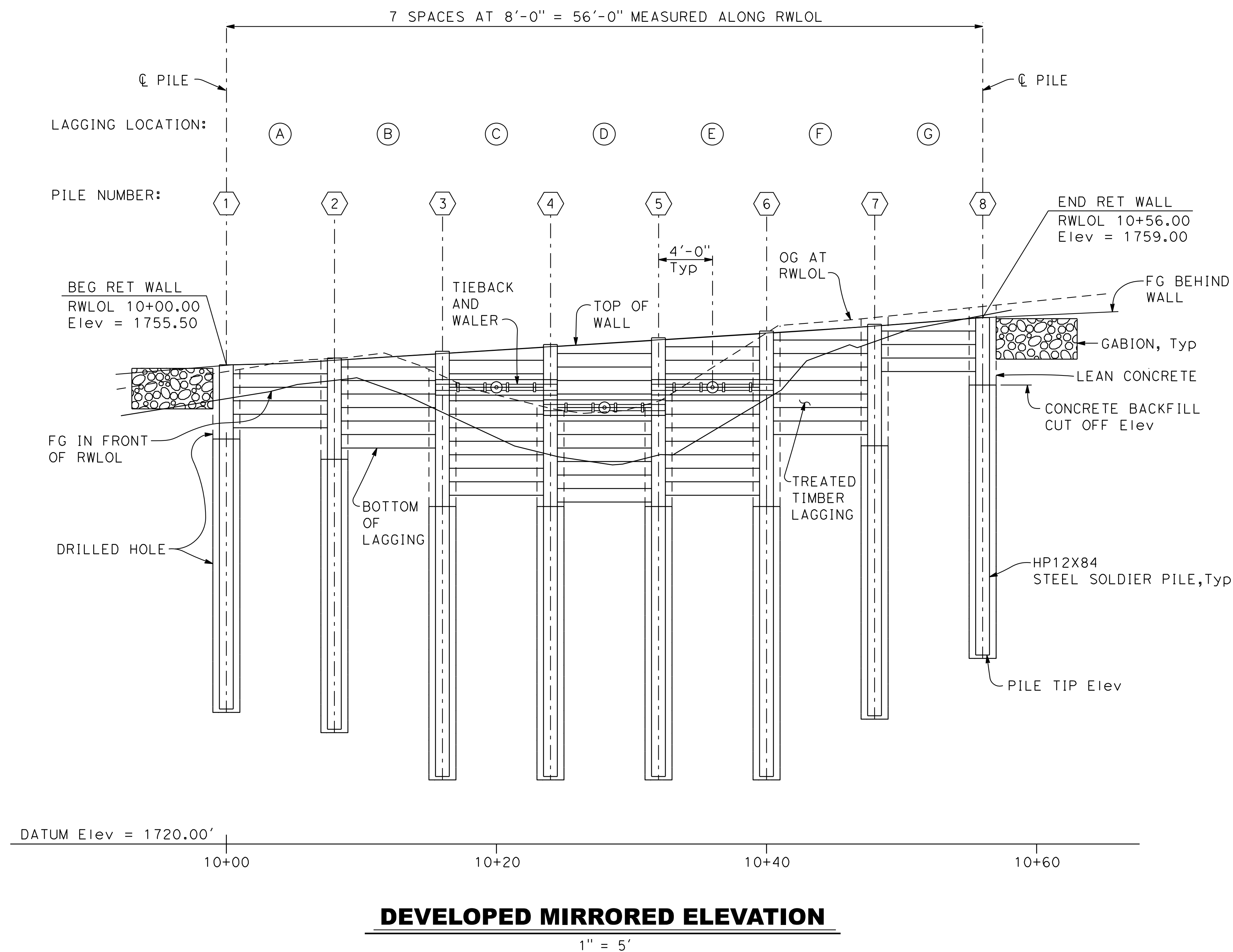
NOTE:  
The Contractor shall verify all controlling field dimensions before ordering or fabricating any material.

DEIDOKKEN  
ENGINEERING  
1110 BLUE PAVANE ROAD, SUITE 200  
FOULDA, CA 95630  
PH: 916-558-0642 FAX: 916-558-0643

BY	REVISION	DATE	PROJECT ENGINEER	COUNTY OF SANTA CRUZ – DEPARTMENT OF PUBLIC WORKS	DRAWN: G. MORALES
			ROSA GRIGGS	EUREKA CANYON ROAD – PM 8.39	CHECKED: N. ORTIGOZA
				STORM DAMAGE REPAIR PROJECT	DATE: 3/28/2025
					SCALE: AS NOTED
					JOB NO. P76780
					SHEET 7 OF 12



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NOTES:

1. The Contractor shall verify all controlling field dimensions before ordering or fabricating any material.
2. Top of lagging elevation provided at the middle of each bay.

TIEBACK AND LAGGING TABLE				
LOCATION	TIEBACK STATION ALONG RWLOL	TIEBACK ELEVATION AT RWLOL	TOP OF LAGGING ELEVATION	BOTTOM OF LAGGING ELEVATION
(A)	N/A	N/A	1755.58	1750.83
(B)	N/A	N/A	1756.08	1749.33
(C)	10+20.00	1753.83	1756.58	1745.83
(D)	10+28.00	1752.33	1757.08	1745.33
(E)	10+36.00	1753.83	1757.58	1745.83
(F)	N/A	N/A	1758.08	1750.33
(G)	N/A	N/A	1758.67	1755.00

SOLDIER PILE DATA				
PILE NUMBER	STATION ALONG RWLOL	PILE TIP ELEVATION	CONC BACKFILL CUT OFF ELEVATION	TOP OF PILE ELEVATION
①	10+00.00	1728.83	1748.83	1755.50
②	10+08.00	1727.33	1747.33	1756.00
③	10+16.00	1725.33	1745.33	1756.50
④	10+24.00	1725.33	1745.33	1757.00
⑤	10+32.00	1725.33	1745.33	1757.50
⑥	10+40.00	1725.33	1745.33	1758.00
⑦	10+48.00	1728.33	1748.33	1758.50
⑧	10+56.00	1733.00	1753.00	1759.00

## SOLDIER PILE ELEVATION S-2

RELATIVE BORDER SCALE 0 1 2

\$FILEABBREV

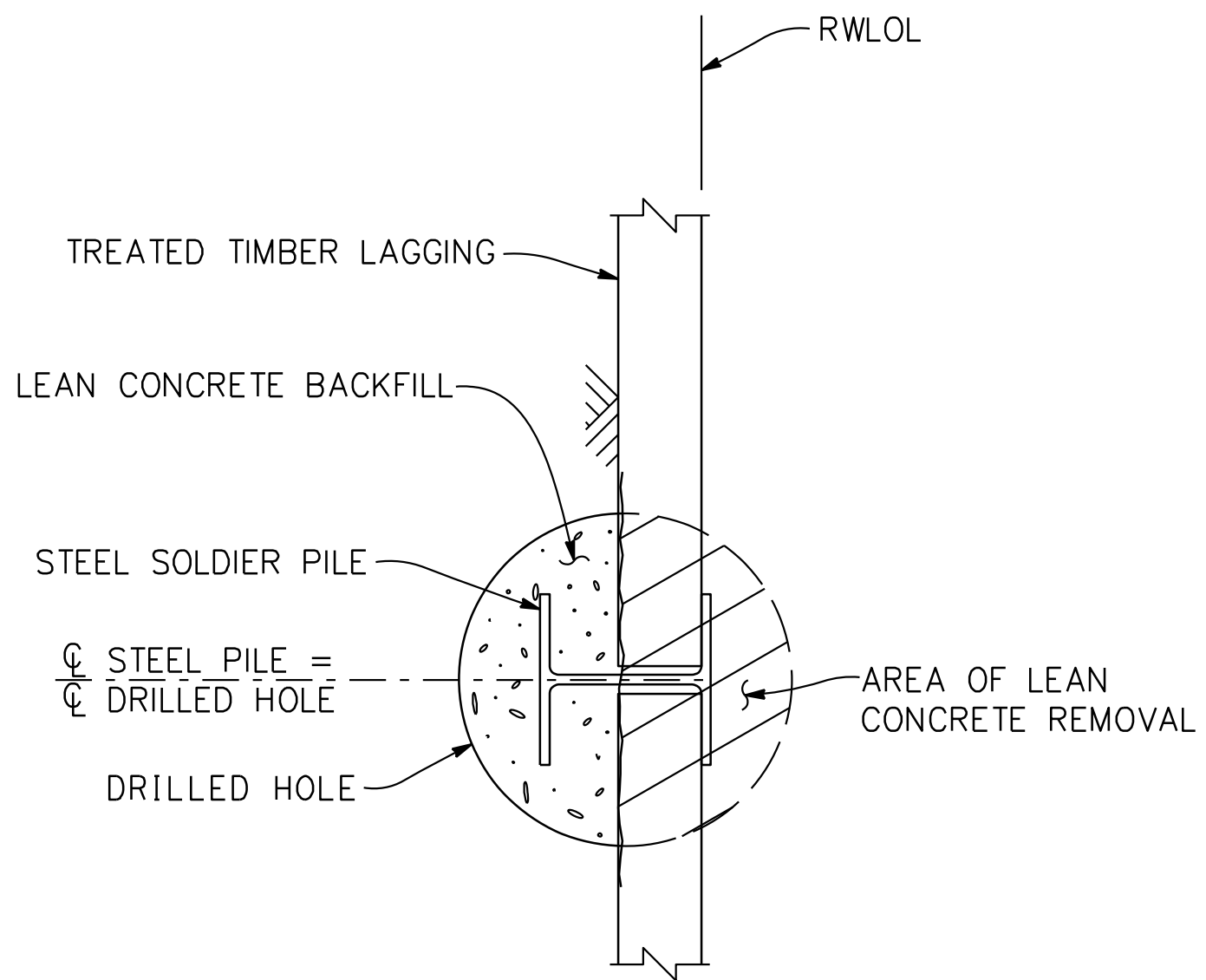
SHEET NAME:
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DRAWING NAME:



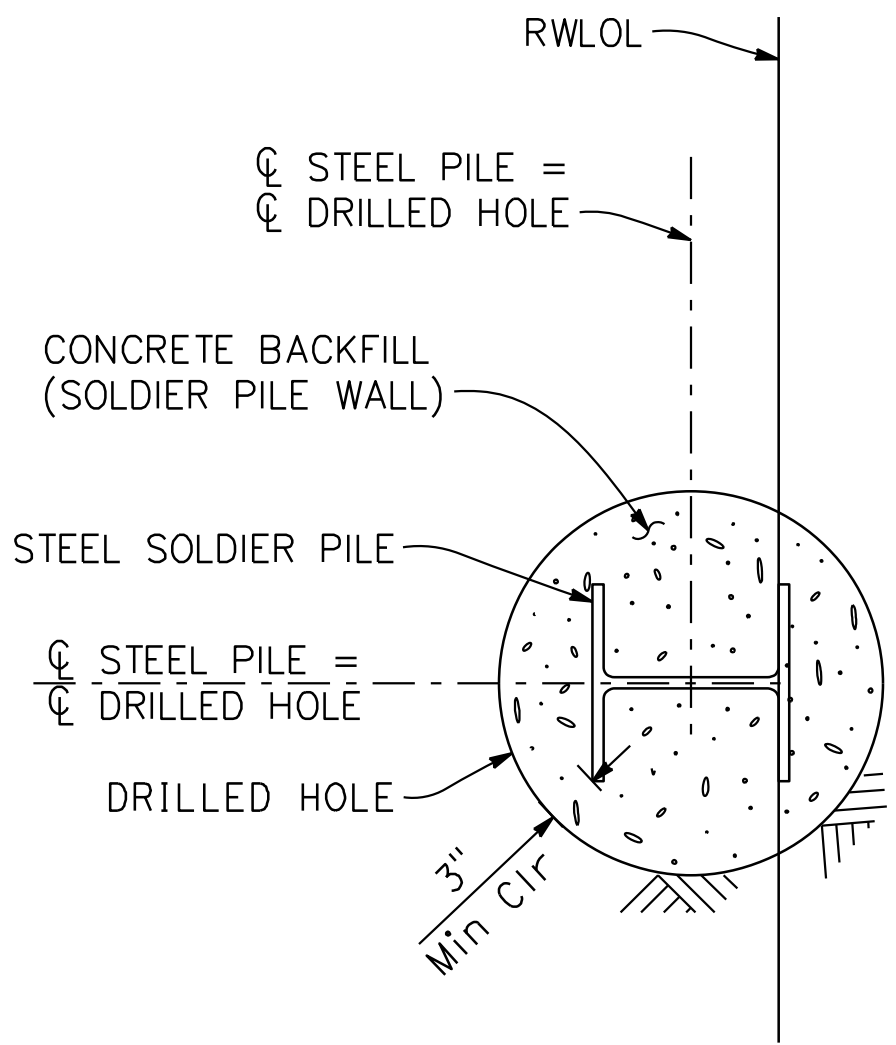
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**DEIDOKKEN**  
ENGINEERING  
1110 BLUE RAVINE ROAD, SUITE 200  
FOLESON, CA 94630  
PH: 916-558-0642 FAX: 916-558-0643



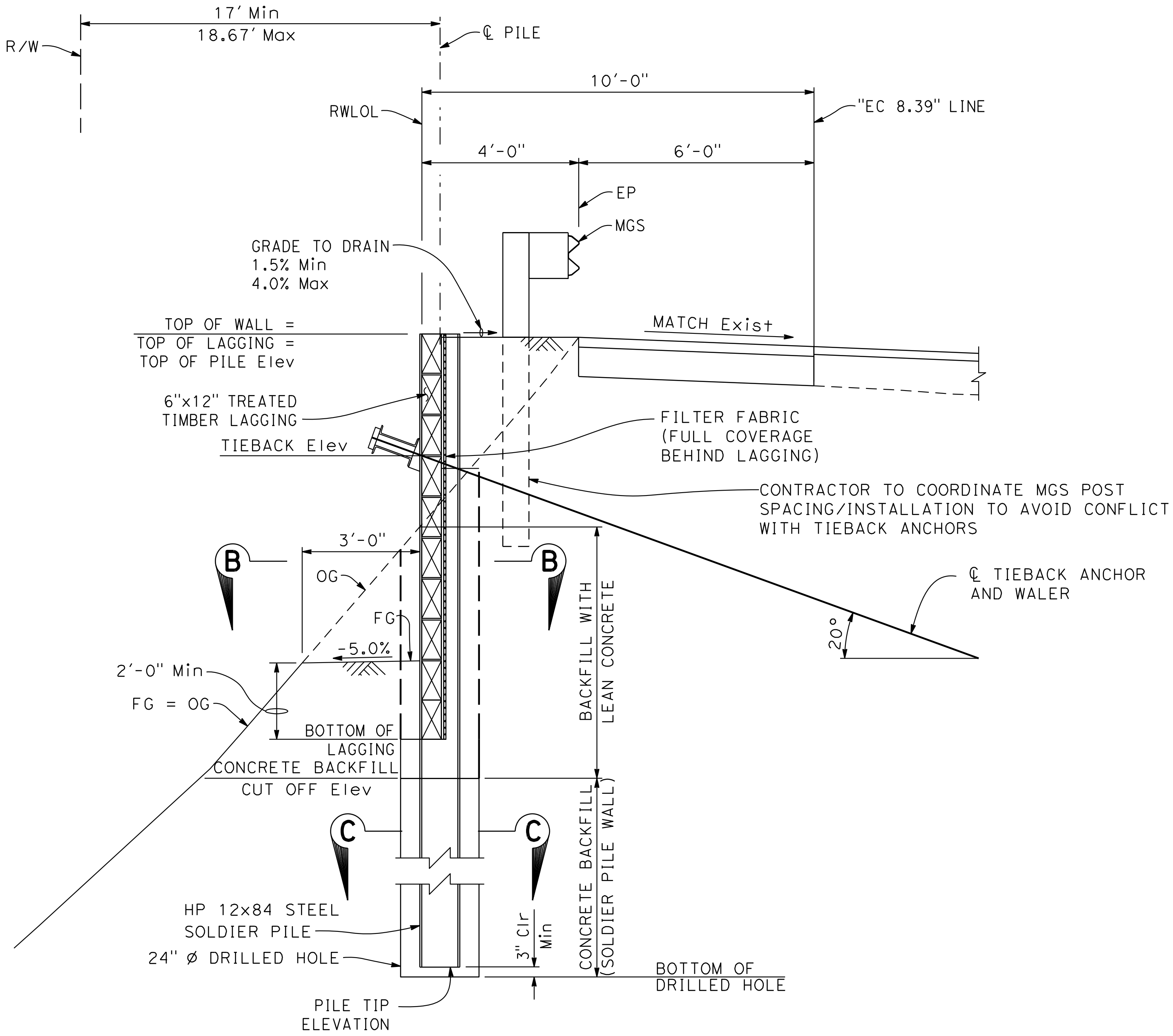
**PILE SECTION B-B**

NO SCALE



**PILE SECTION C-C**

NO SCALE



**TYPICAL SECTION**

1/2" = 1'-0"

- NOTES:
1. For lagging details, see "RETAINING WALL DETAILS" sheet S-10.
  2. For tieback and waler details, see "TIEBACK DETAILS" sheet S-11.
  3. Clean and paint steel soldier pile from top of pile to 5 feet min below bottom of lagging.
  4. The Contractor shall verify all controlling field dimensions before ordering or fabricating any material.

**TYPICAL SECTION S-3**

RELATIVE BORDER SCALE 0 1 2 3 IS IN INCHES

\$FILEABBREV

SHEET NAME:

DRAWING NAME:

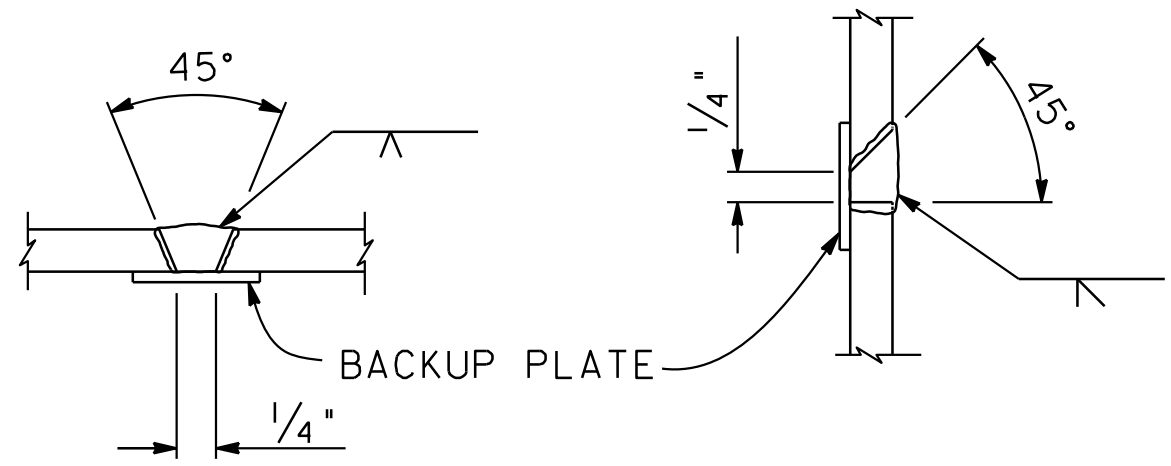
BY	
REVISION	
DATE	

PROJECT ENGINEER	ROSA GRIGGS
------------------	-------------

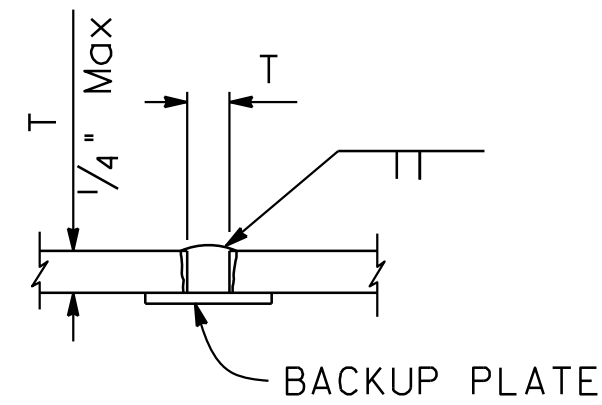
COUNTY OF SANTA CRUZ – DEPARTMENT OF PUBLIC WORKS
EUREKA CANYON ROAD – PM 8.39
STORM DAMAGE REPAIR PROJECT

DRAWN:	G. MORALES
CHECKED:	N. ORTIGOZA
DATE:	3/28/2025
SCALE:	AS NOTED
JOB NO.	P76780
SHEET	

The County or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.



**SINGLE VEE-GROOVE**      **SINGLE BEVEL-GROOVE**

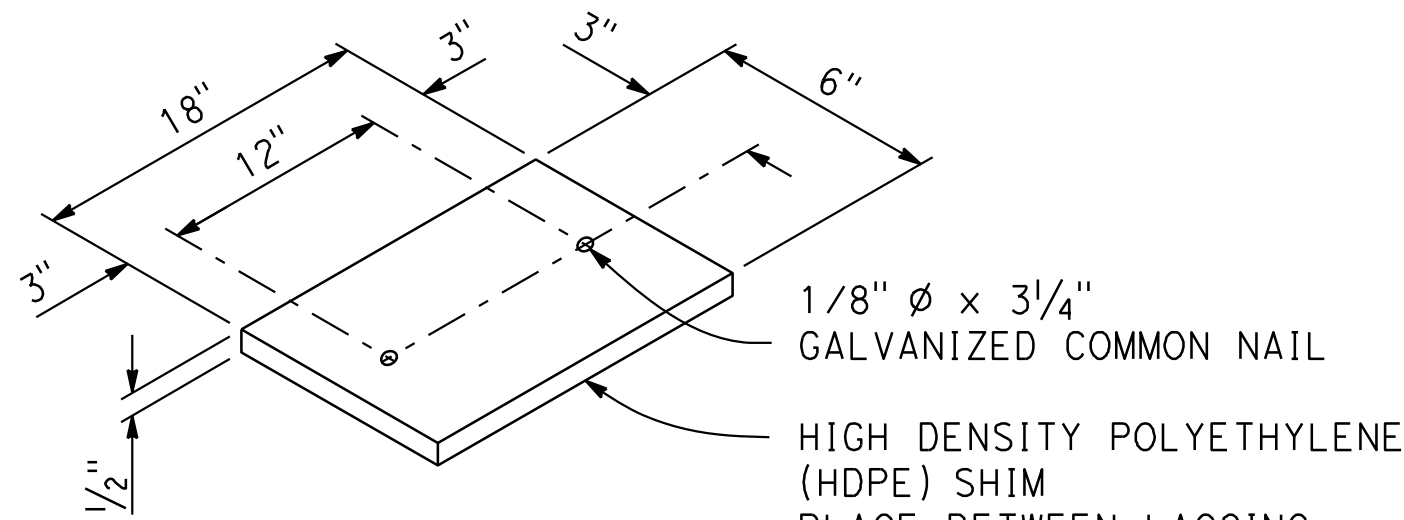


**SQUARE GROOVE**

**PILE WELDING DETAIL - BUTT JOINTS**

NO SCALE

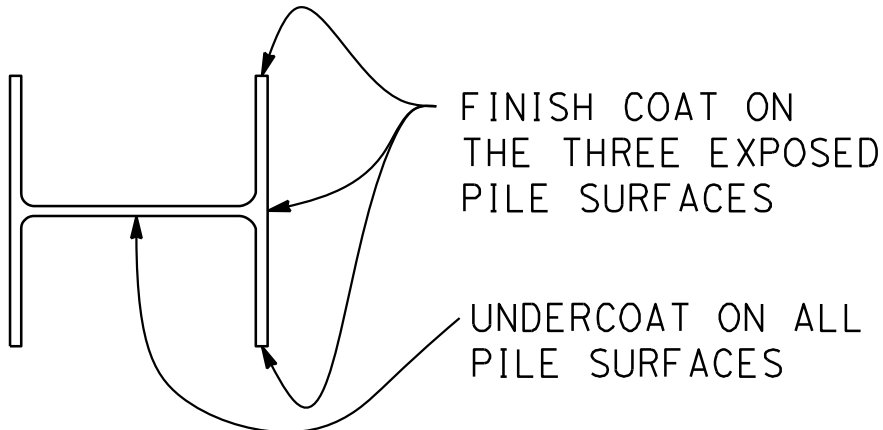
- Notes:
1. Single vee-groove and square groove permitted for all positions.
  2. Single bevel-groove permitted for horizontal joints only.



**SHIM DETAIL**

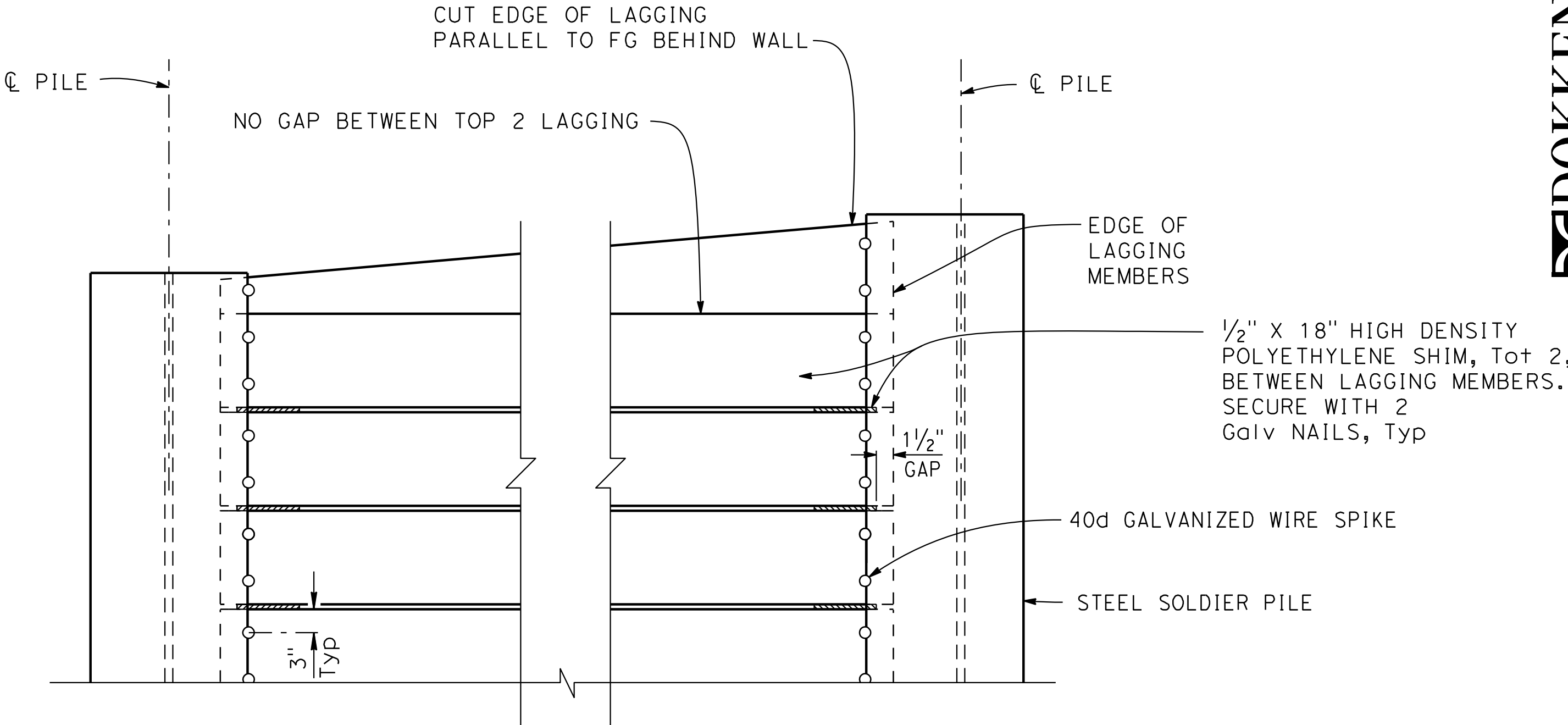
NO SCALE

- NOTES:
1. Clean and paint all exposed surfaces of walers.
  2. No clipping of timber lagging corners allowed.
  3. The Contractor shall verify all controlling field dimensions before ordering or fabricating any material.

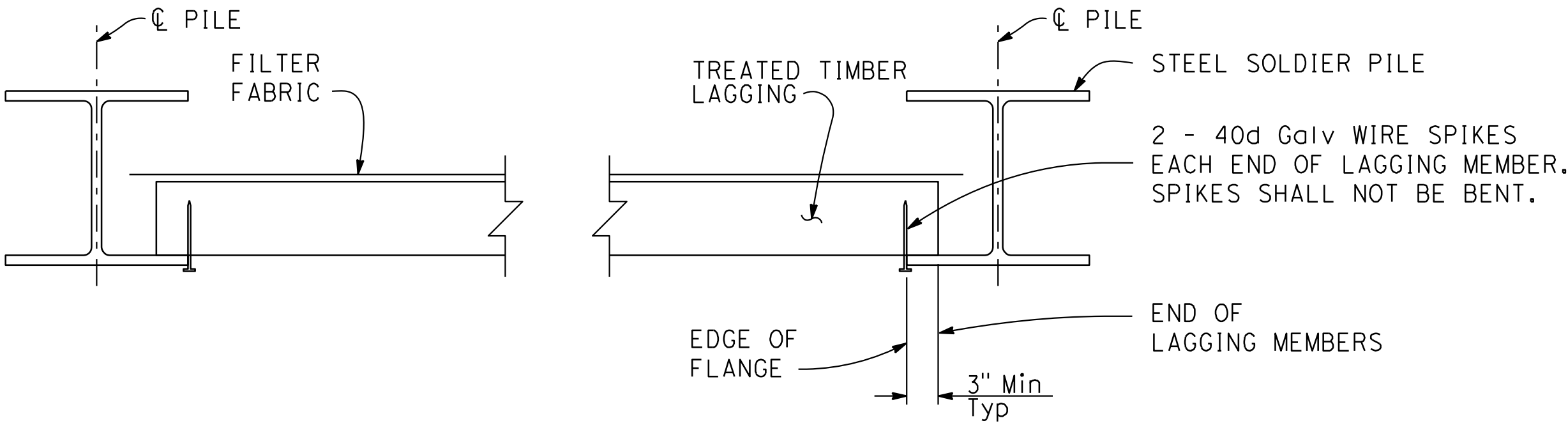


**LIMITS OF CLEAN AND PAINT**  
**STEEL SOLDIER PILE**

NO SCALE



**PART ELEVATION**



**PART PLAN**

**LAGGING DETAILS**

NO SCALE

**DEIDOKKEN**  
ENGINEERING  
1110 BLUE RAVINE ROAD, SUITE 200  
FOLESON, CA 94630  
PH: 916-558-0642 FAX: 916-558-0643

BY	REVISION	DATE	PROJECT ENGINEER	COUNTY OF SANTA CRUZ – DEPARTMENT OF PUBLIC WORKS	DRAWN: G. MORALES
			ROSA GRIGGS	EUREKA CANYON ROAD – PM 8.39	CHECKED: N. ORTIGOZA
				STORM DAMAGE REPAIR PROJECT	DATE: 3/28/2025
					SCALE: AS NOTED
					JOB NO. P76780
					SHEET
					10 of 12

**RETAINING WALL DETAILS**  
**S-4**

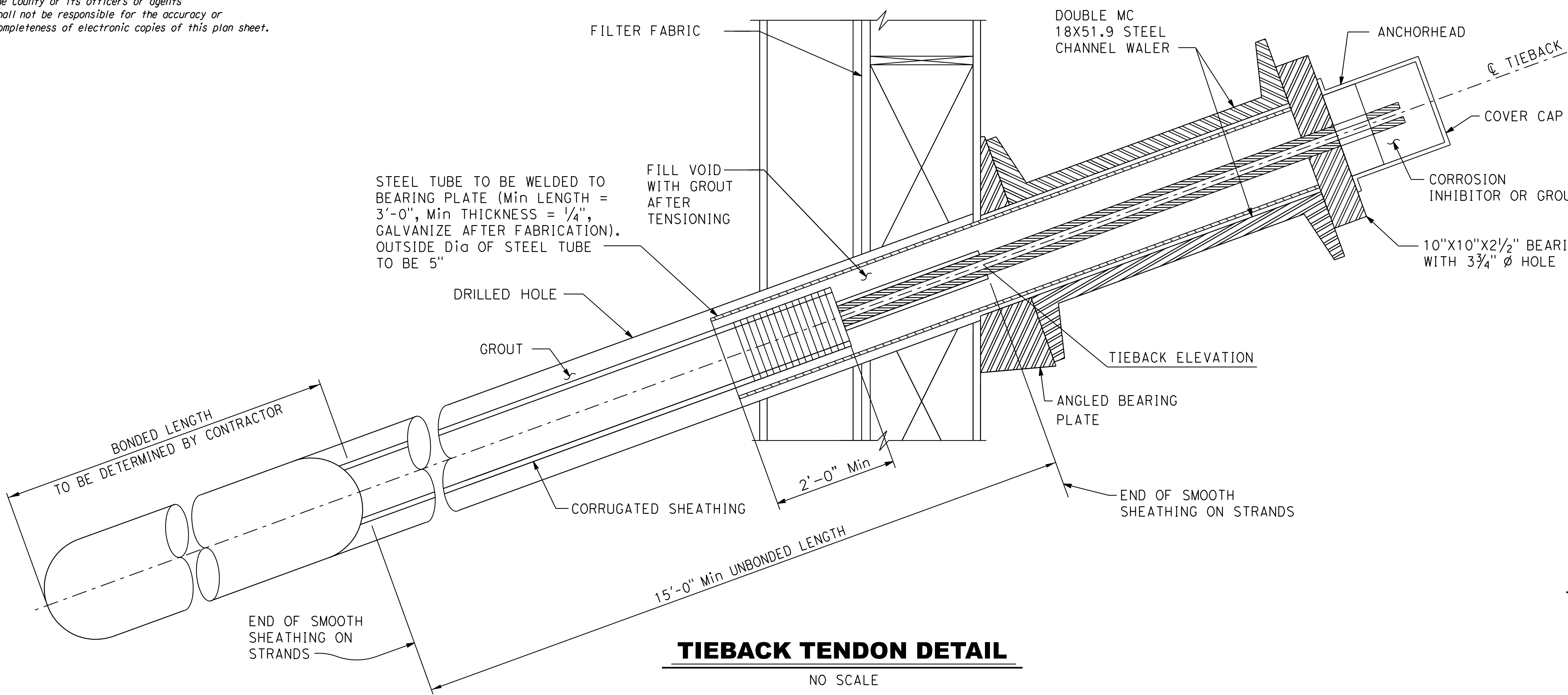
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

\$FILEABBREV

SHEET NAME:

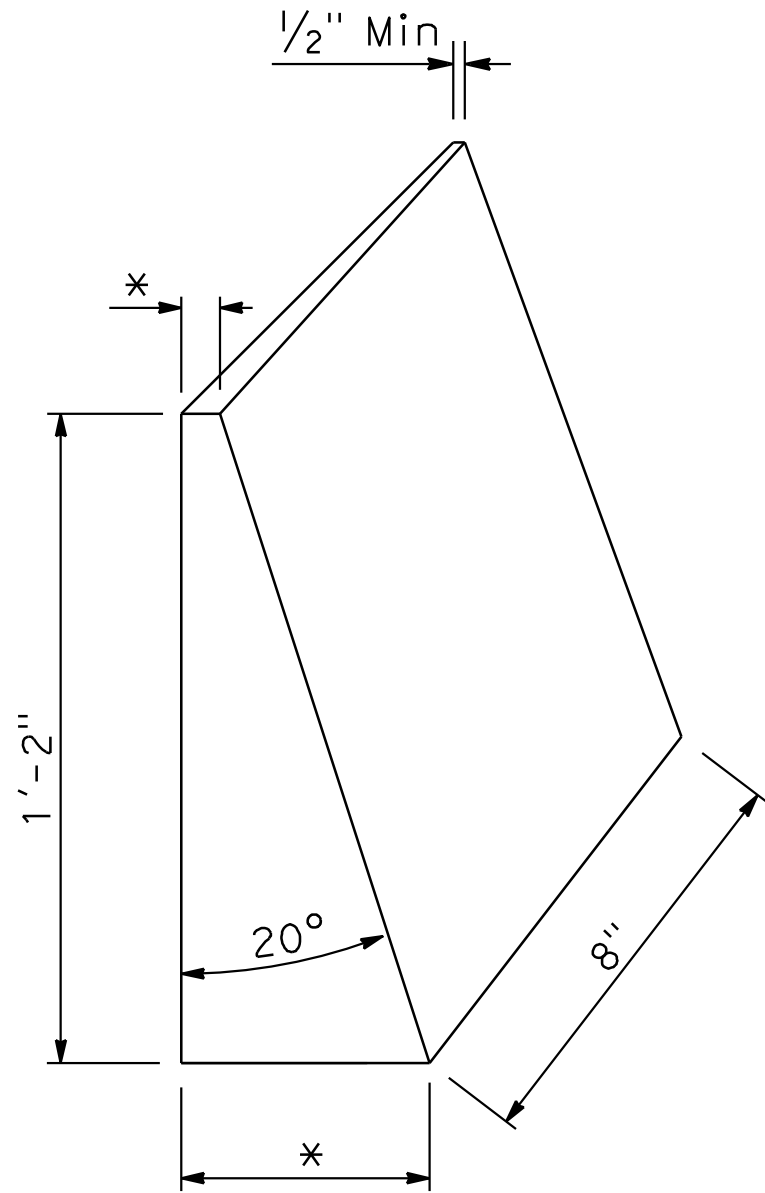
DRAWING NAME:

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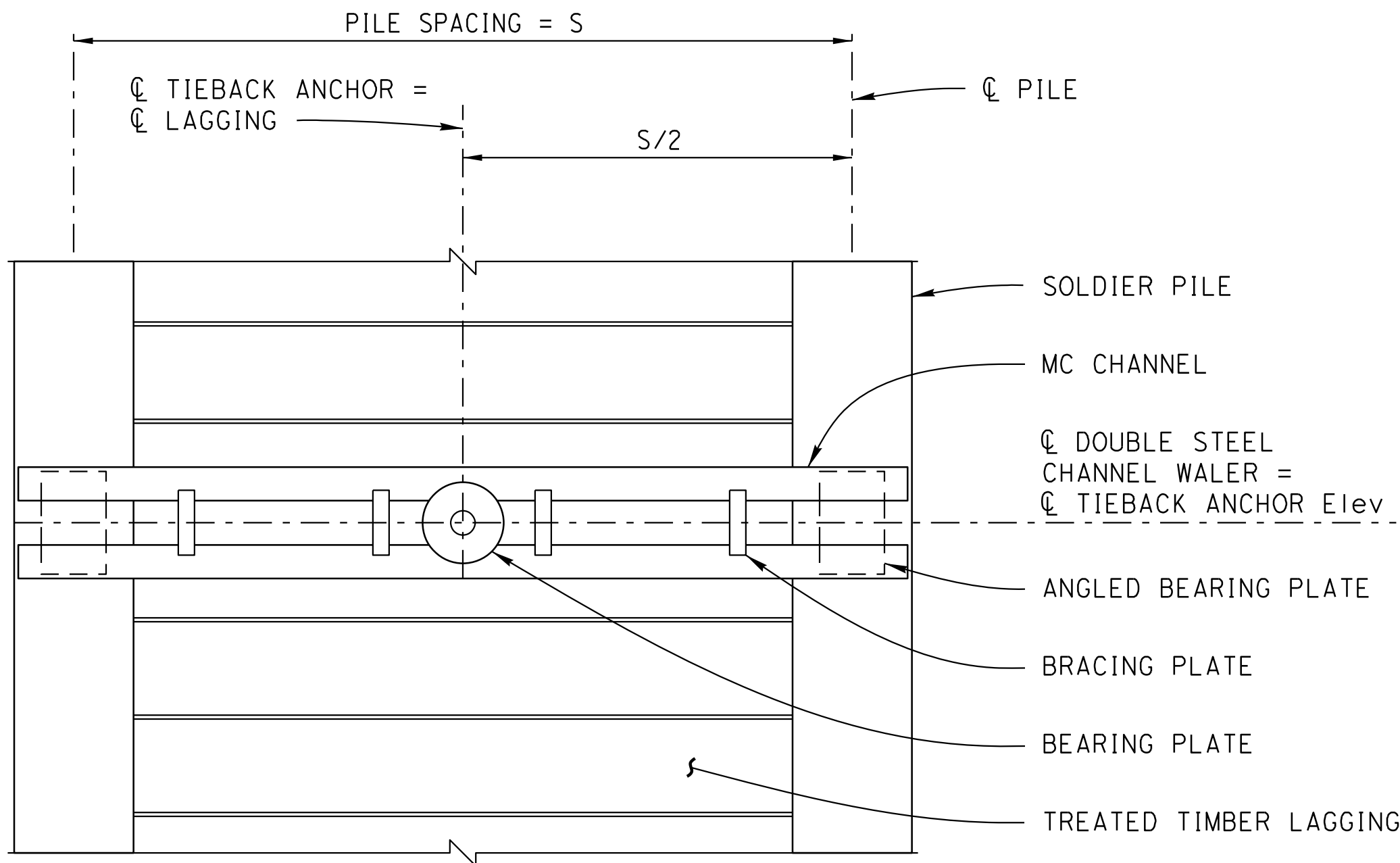
**TIEBACK TENDON DETAIL**

NO SCALE



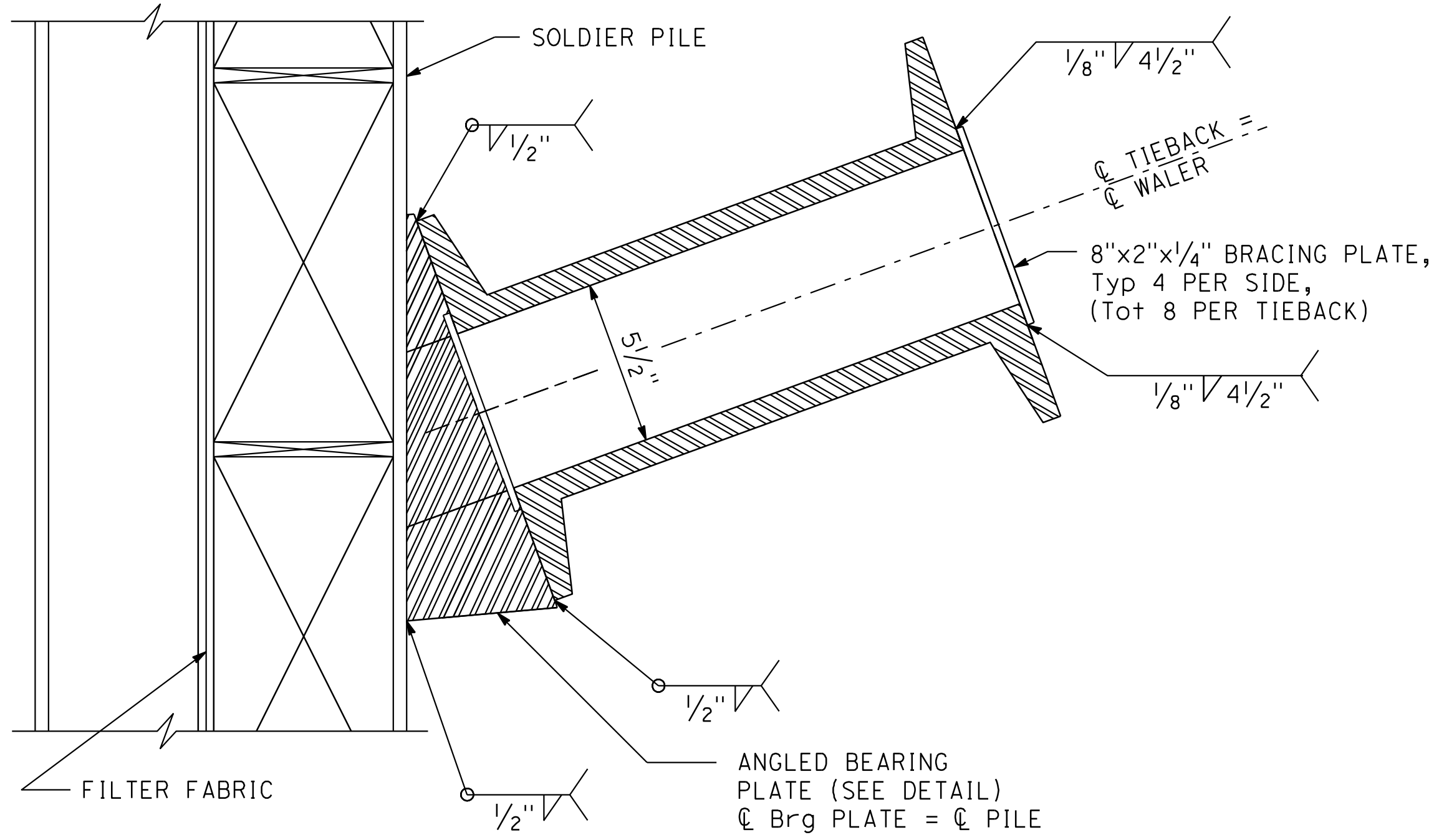
**ANGLED BEARING PLATE DETAIL  
ISOMETRIC VIEW**

NO SCALE



**DOUBLE STEEL CHANNEL WALER ELEVATION**

NO SCALE



**DOUBLE STEEL CHANNEL WALER SECTION**

NO SCALE

NOTES:

1. Clean and paint all exposed surfaces of walers.
2. The Contractor shall verify all controlling field dimensions before ordering or fabricating any material.

RELATIVE BORDER SCALE  
IS IN INCHES



\$FILEABBREV

**TIEBACK DETAILS**


**S-5**

SHEET NAME:

DRAWING NAME:

BY	REVISION	DATE	PROJECT ENGINEER	COUNTY OF SANTA CRUZ – DEPARTMENT OF PUBLIC WORKS	EUREKA CANYON ROAD – PM 8.39 STORM DAMAGE REPAIR PROJECT	DRAWN: G. MORALES CHECKED: N. ORTIGOZA DATE: 3/28/2025 SCALE: AS NOTED JOB NO. P76780 SHEET
			ROSA GRIGGS			11 OF 12



COUNTY OF SANTA CRUZ – DEPARTMENT OF PUBLIC WORKS  EUREKA CANYON ROAD – PM 8.39 STORM DAMAGE REPAIR PROJECT	PROJECT ENGINEER		DATE	REVISION	BY
	ROSA GRIGGS				