

NOTE

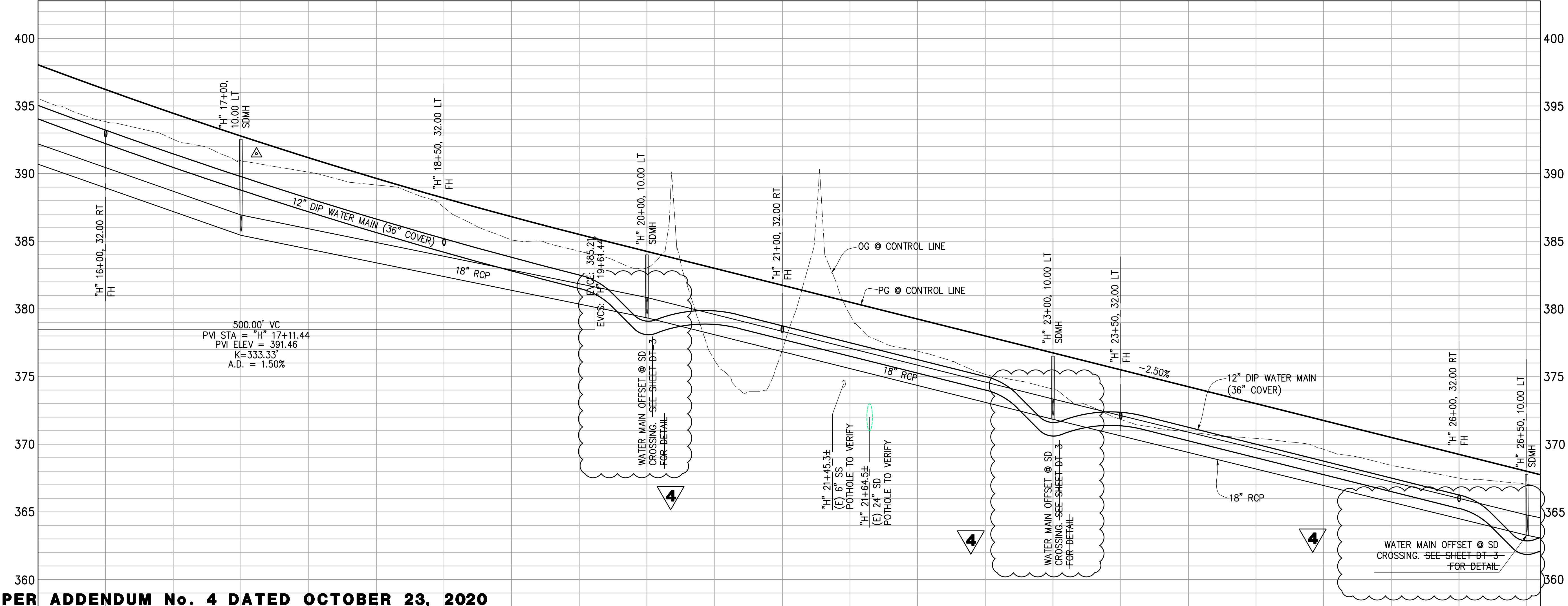
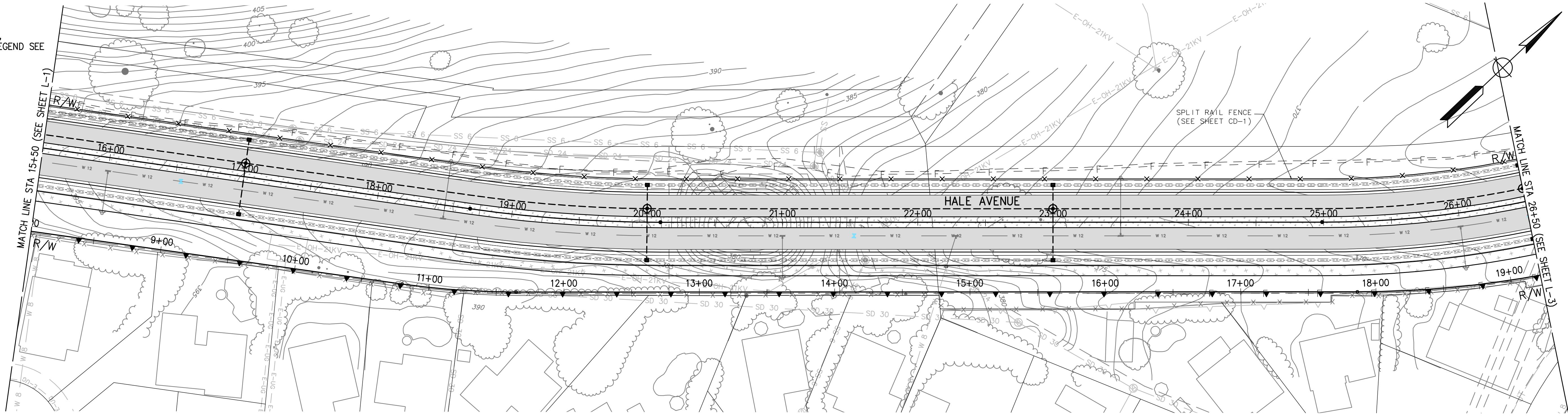
1. FOR ADDITIONAL NOTES,
ABBREVIATIONS, AND LEGEND SEE
TS-1, TS-2, AND L-1.

CAD USER: see

PLOT DATE: Oct 22, 2020-05:44:57pm

FILE NAME: HAE_L1-6

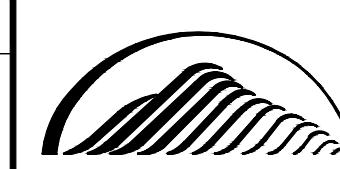
PATH:\j\Morgan Hill-SJ-17101-Hale Avenue Extension\CADD\Sheets\



4 REPLACED PER ADDENDUM NO. 4 DATED OCTOBER 23, 2020

16+00 17+00 18+00 19+00 20+00 21+00 22+00 23+00 24+00 25+00 26+00 BD SUBMITTA

				WORK ACCEPTED:	INSPECTOR:
NO.	DESCRIPTION	DATE	BY	BY:	DATE:
REVISIONS					AS-BUILT CORRECTIONS

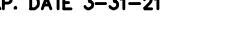


City of Morgan Hill

Public Works Department

17575 PEAK AVE. MORGAN HILL, CA 95037
(408) 776-6480 FAX (408) 779-7234

DRAWN:	SL	DESIGN:	SL
CHECKED:	KY	DATE:	09/25
APPROVED:	<i>S. C.</i>	DATE:	10-23-
SCOTT C. CREER RCE 58879		DEPUTY DIRECTOR FOR ENGINEER EXP. DATE 6-30-21	

	SCALE HOR. 1"=40'	SUPERVISED BY: MICHAEL K. COOPER REGISTERED CIVIL ENGINEER RCE 29072 EXP. DATE 3-31-21
020	SCALE VERT. 1"=4'	
020	JOB NO. SJ-17101	 Michael Cooper
		SIGNATURE

ED PROFESSIONAL ENG. INEER
MICHAEL K. COOPER
No. 29072
Exp. 3/31/2021
CIVIL
STATE OF CALIFORNIA

09/25/2020

DATE

**PLAN & PROFILE
STA 15+50 TO STA 26+50
IMPROVEMENT PLANS FOR
HALE AVE EXTENSION**

MORGAN HILL CALIFORNIA

CITY FILE NO.
504E02

PLAN SET:
09/25/2022

DRAWING:
L-2A

18 OF 120

**AN & PROFILE
-50 TO STA 26+50
EMENT PLANS FOR
E AVE EXTENSION**

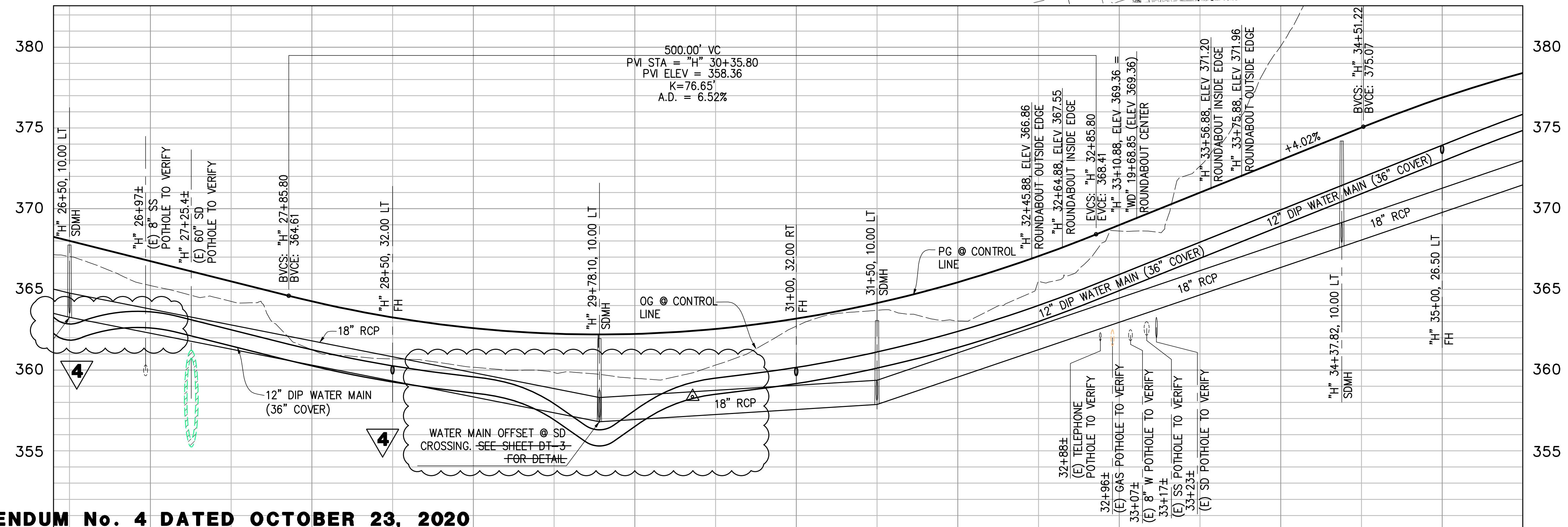
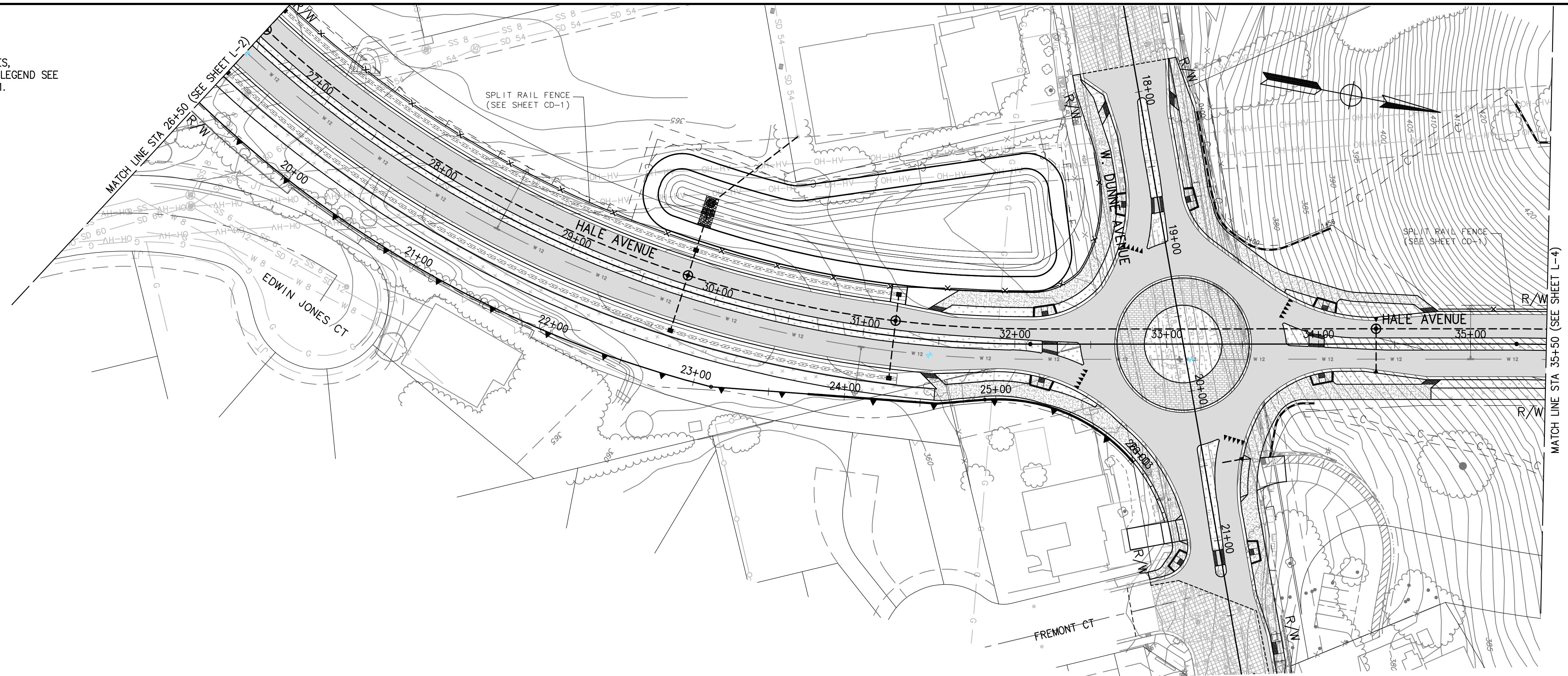
NOTE

1. FOR ADDITIONAL NOTES,
ABBREVIATIONS, AND LEGEND SEE
TS-1, TS-2, AND L-1.

CAD USER: see

PLOT DATE: Oct 22, 2020 05:45:00pm

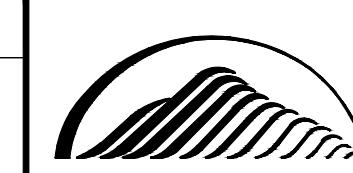
FILE NAME: HAE_L1-6



4 REPLACED PER ADDENDUM No. 4 DATED OCTOBER 23, 2020

27+00 28+00 29+00 30+00 31+00 32+00 33+00 34+00 35+00

NO.	DESCRIPTION	DATE	BY	WORK ACCEPTED:	INSPECTOR:
				BY:	DATE:
	AS-BUILT CORRECTIONS				



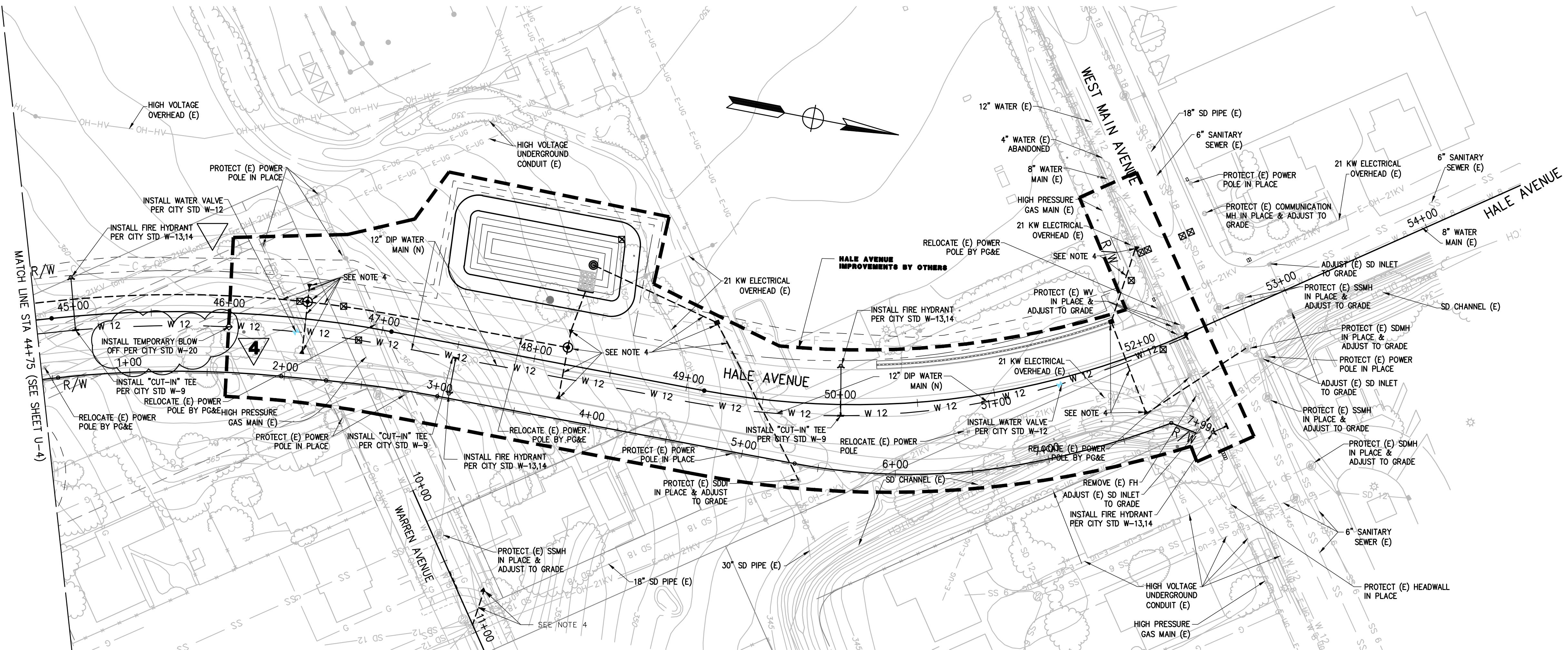
City of Morgan Hill
Public Works Department
17575 PEAK AVE. MORGAN HILL, CA 95037
(408) 776-6480 FAX (408) 779-7236

DRAWN: SL DESIGN: SL SCALE HOR. 1=40'
CHECKED: KY DATE: 09/25/2020 SCALE VERT. 1"=4'
APPROVED: 10-23-2020 JOB NO. SJ-17101
SCOTT C. CREEK DEPUTY DIRECTOR FOR ENGINEERING
RCE 58879 EXP. DATE 8-30-21
09/25/2020
Michael Cooper
Signature

SUPERVISED BY:
MICHAEL K. COOPER
REGISTERED CIVIL ENGINEER
RCE 58879
EXP. DATE 3-31-21
09/25/2020
Michael Cooper
Signature

MARK
THOMAS

PLAN & PROFILE
STA 26+50 TO STA 35+50
IMPROVEMENT PLANS FOR
HALE AVE EXTENSION
MORGAN HILL, CALIFORNIA
CITY FILE NO. 504E02
PLAN SET: 09/25/2020
DRAWING: L-3A
19 OF 120



NOTE:

SEE SHEET U-1 FOR GENERAL NOTE

CAUTION!!! ENERGIZED FACILITIES

CONTRACTOR TO EXERCISE EXTREME CAUTION WORKING NEAR AND
UNDER HIGH VOLTAGE ELECTRICAL LINES.
CONTRACTOR TO EXERCISE EXTREME CAUTION TO AVOID DAMAGING
EXISTING UNDERGROUND UTILITIES. OBSTRUCTIONS INDICATED ARE
FOR INFORMATION ONLY. IT IS THE RESPONSIBILITY OF THE
CONTRACTOR TO VERIFY THE LOCATION AND DEPTH WITH THE
APPROPRIATE AGENCIES. NEITHER THE OWNER NOR THE DESIGNER
ASSUME ANY RESPONSIBILITY THAT THE OBSTRUCTIONS INDICATED
WILL ACTUALLY BE THE OBSTRUCTIONS ENCOUNTERED. POTHOLING IS
REQUIRED. HAND EXCAVATE ONLY IN PRESENCE OF AN INSPECTOR



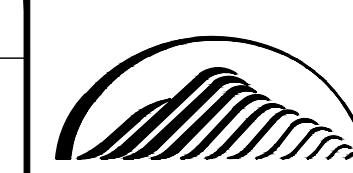
4 REPLACED PER ADDENDUM No. 4 DATED OCTOBER 23, 2020

				WORK ACCEPTED:	INSPECTOR:
				AS-BUILT CORRECTIONS	
				BY:	DATE:
NO.	DESCRIPTION	DATE	BY		
REVISIONS					



City of Morgan Hill
Public Works Department

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(408) 776-6480 FAX (408) 779-7236



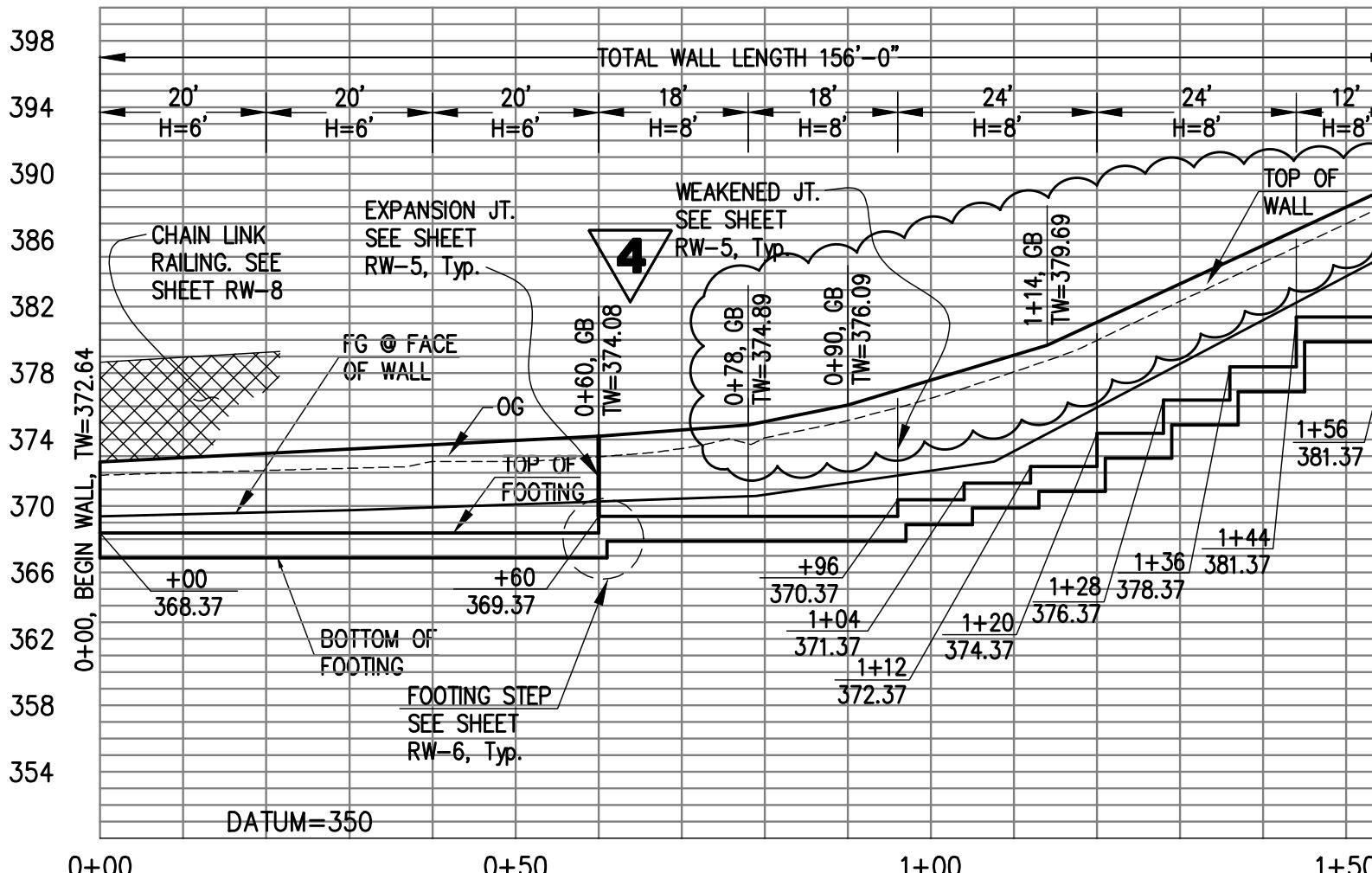
City of Morgan Hill

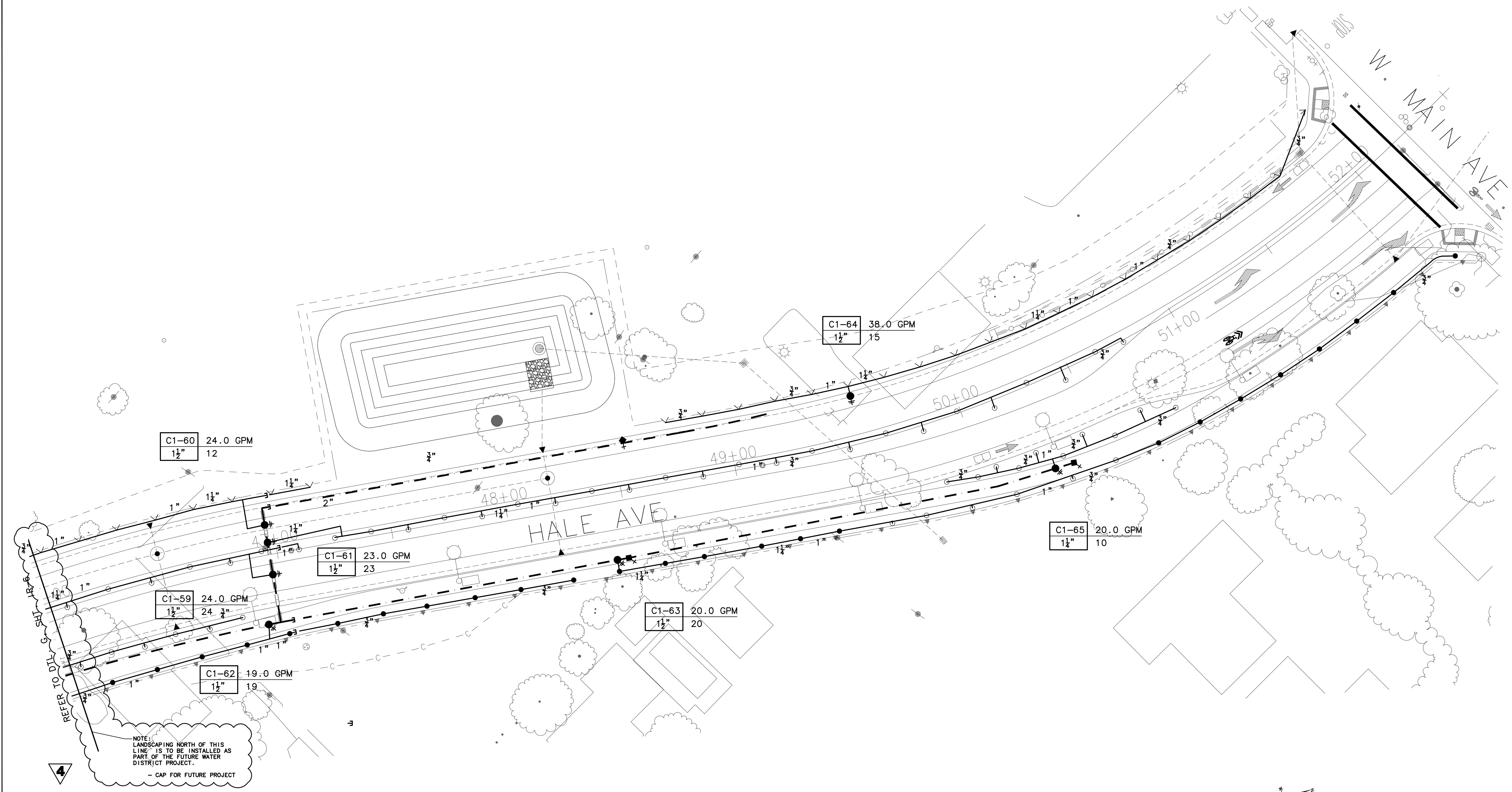
Public Works Department

ITY OF MORGAN HILL 17575 PEAK AVE. MORGAN HILL, CA 95037
(408) 776-6480 FAX (408) 779-7234

DRAWN:	SL	DESIGN:	SL	SCALE HOR. 1" = 40'	SUPERVISED BY: MICHAEL K. COOPER REGISTERED CIVIL ENGINEER RCE 29072 EXP. DATE 3-31-21
CHECKED:	MC	DATE:	09/25/2020	SCALE VERT.	
APPROVED:	<i>J. C.</i>	DATE:	10-23-2020	JOB NO. SJ-17101	
SCOTT C. CREER RCE 58879 DEPUTY DIRECTOR FOR ENGINEERING EXP. DATE 6-30-21				 <i>Michael Cooper</i>	

**UTILITY PLAN
STA 44+75 TO STA 55+00
IMPROVEMENT PLANS FOR
HALE AVE EXTENSION**





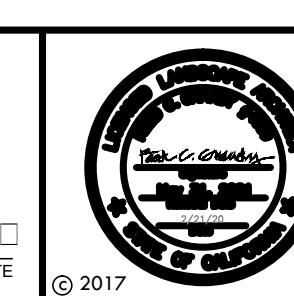
 IRRIGATION PLAN – SECTION H

STATION LINE C

STATION LINE ON THIS SHEET ARE NOT TO SCALE. DO NOT SCALE OR USE STATION LINE TO MEASURE DISTANCE. REFER TO SHT. _____ THRU. _____, HORIZONTAL CONTROL PLANS FOR EXACT LOCATION. STATION LINE ON THIS PLAN HAS BEEN OFFSET 10' FOR CLARITY.

				WORK ACCEPTED <input type="checkbox"/>	INSPECTOR <input type="checkbox"/>
				AS-BUILT CORRECTIONS	
				BY <input type="checkbox"/>	DATE <input type="checkbox"/>
NO.	DESCRIPTION	DATE	BY		
REVISIONS					

OFFSET 10' FOR CLARITY.			
DRAWN <input type="checkbox"/> R.R.		DESIGN <input type="checkbox"/> R.C.G.	SCALE HOR.
CHECKED <input type="checkbox"/> DATE <input type="checkbox"/>		SCALE VERT.	
APPROVED <input type="checkbox"/> DATE <input type="checkbox"/> <i>S.C.</i> 10-23-2020		DOB NO.	S <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Scott Creer CITY ENGINEER RCE 58879 EXP. DATE 6-30-21			
SUPERVISED BY <input type="checkbox"/>  SIGNATURE			



Phoenix Design Group, LLP

Landscape Architecture

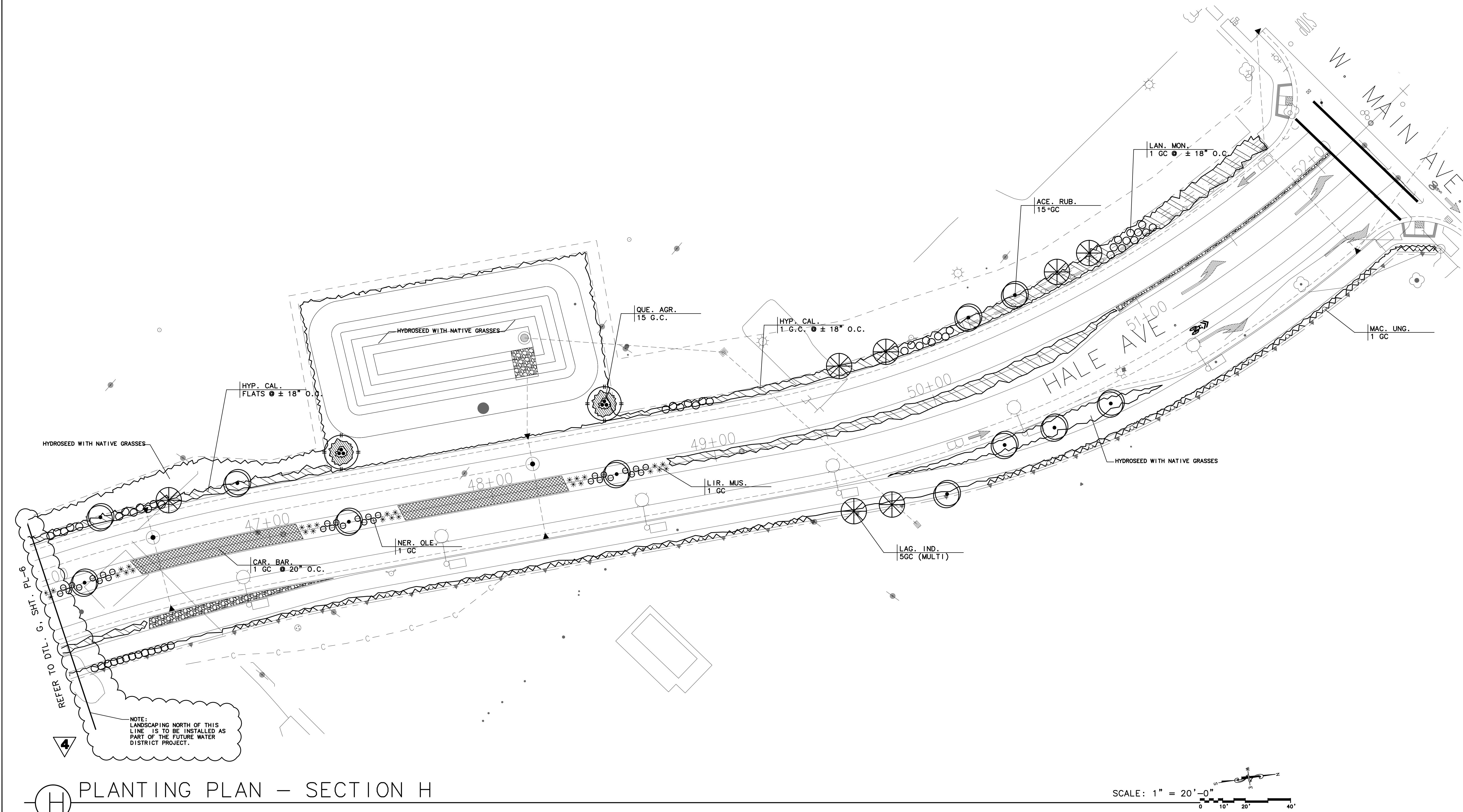
IRRIGATION PLAN

IMPROVEMENT PLANS FOR
MORGAN HILL HALE AVE EXTENSION **CALIFORNIA**

CITY FILE NO.
504E02

PLAN SET[□]

DRAWING[□]
IR-7A
100 OF 



STATION LINE ON THIS SHEET ARE NOT TO SCALE. DO NOT SCALE OR USE STATION LINE TO MEASURE DISTANCE. REFER TO SHT. HC-1 THRU. HC-5, HORIZONTAL CONTROL PLANS FOR EXACT LOCATION. STATION LINE ON THIS PLAN HAS BEEN OFFSET 10' FOR CLARITY.

				WORK ACCEPTED <input type="checkbox"/>	INSPECTOR <input type="checkbox"/>
				AS-BUILT CORRECTIONS	
NO.	DESCRIPTION	DATE	BY	BY <input type="checkbox"/>	DATE <input type="checkbox"/>
REVISIONS					



CITY OF MORGAN HILL

City of Morgan Hill
Public Works Department

PEAK AVE. MORGAN HILL

123-456-7890 FAX 123-456-7891



City of Morgan Hill

Public Works Department

Public Works Department

DRAWN <input type="checkbox"/>	R.R.	DESIGN <input type="checkbox"/>	R.C.G.	SCALE HOR.
CHECKED <input type="checkbox"/>	DATE <input type="checkbox"/>		SCALE VERT.	
APPROVED <input type="checkbox"/>	DATE <input type="checkbox"/>		JOB NO.	 10-23-2020
Scott Creer RCE 58879	CITY ENGINEER EXP. DATE: 6-30-21			

SUPERVISED BY



Phoenix Design Group, LLP

Landscape Architecture

PLANTING PLAN

IMPROVEMENT PLANS FOR
MORGAN HILL HALE AVE EXTENSION

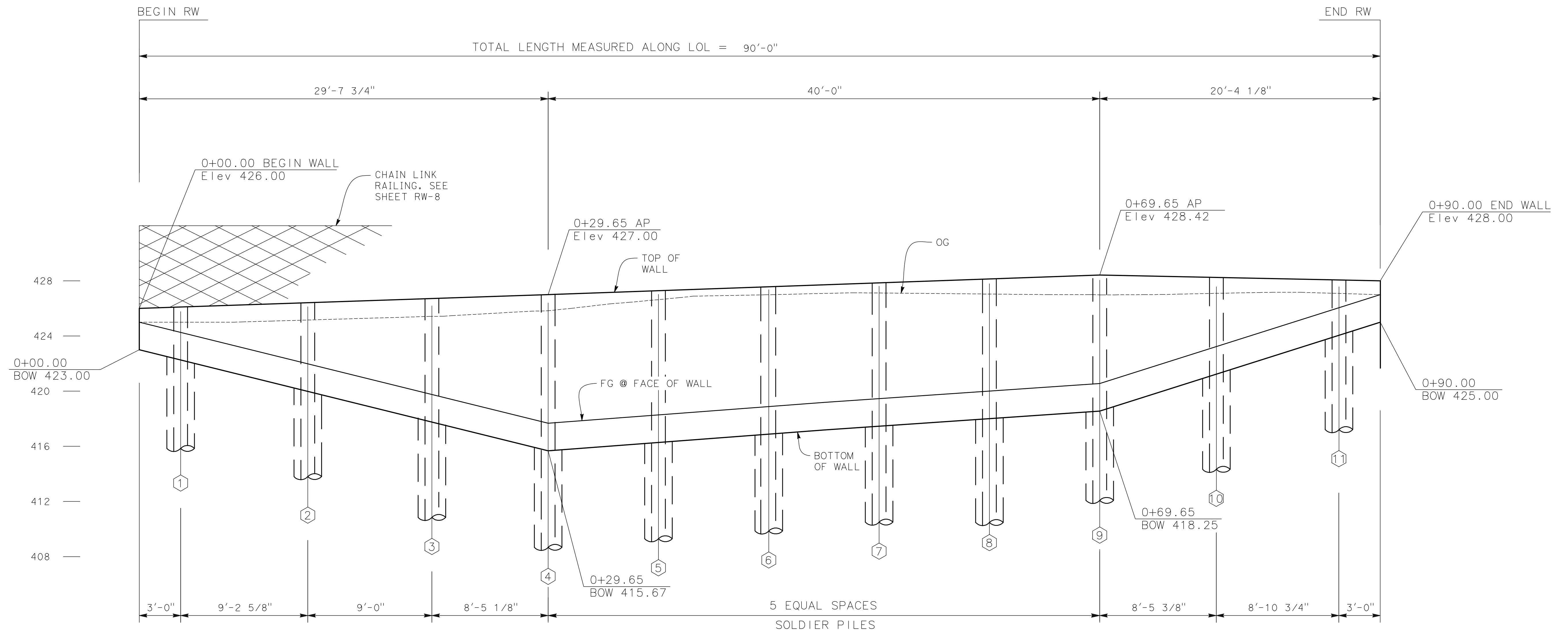
CALIFORNIA

CITY FILE NO.
504E02

PLAN SET

DRAWING

PL-7A
108 OF



ELEVATION

$$1/4'' = 1' - 0''$$

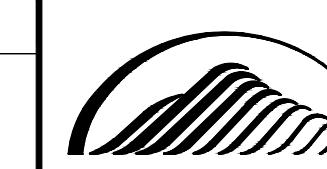
NOTES

1. CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.
2. FOR "TYPICAL SECTION", SEE "RETAINING WALL GENERAL PLAN No. 2"-SHEET RW-2A.
3. FOR CONSTRUCTION DETAILS, SEE "SOLIDER PILE WALL DETAILS No. 1,2 & 3" SHEET.
4. FOR "GENERAL NOTES", SEE "SOLDIER PILE WALL DETAILS No. 1" SHEET.
5. FOR 3"Ø WEEP HOLE DETAILS, SEE "SOLDIER PILE WALL DETAILS No. 2" SHEET.
6. REFER TO "SOLDIER PILE WALL DETAILS No. 3" FOR CONCRETE GUTTER DIMENSIONS.

SOLDIER PILE TABLE						
Pile No.	Design Height	Pile Size	Top of Wall Elev	Bot of Wall Elev	Pile Tip Elev	Drilled Hole Diameter
1	6'	HP12X53	426.10	422.26	413.51	24"
2	6'	HP12X53	426.41	419.98	411.23	24"
3	8'	HP12X53	426.72	417.75	406.25	24"
4	12'	HP14X89	427.00	415.67	401.42	30"
5	12'	HP14X89	427.28	416.19	401.94	30"
6	12'	HP14X89	427.57	416.70	402.45	30"
7	12'	HP14X89	427.85	417.22	402.97	30"
8	12'	HP14X89	428.14	417.73	403.48	30"
9	12'	HP14X89	428.42	418.25	404.00	30"
10	6'	HP12X53	428.25	421.05	412.30	24"
11	6'	HP12X53	428.06	424.00	415.25	24"

3 REPLACED PER ADDENDUM No. 3 DATED OCTOBER 23, 2020

				WORK ACCEPTED:	INSPECTOR:
				ADDENDUM	
				BY:	DATE:
NO.	DESCRIPTION	DATE	BY		
REVISIONS					





City of Morgan Hill

Public Works Department

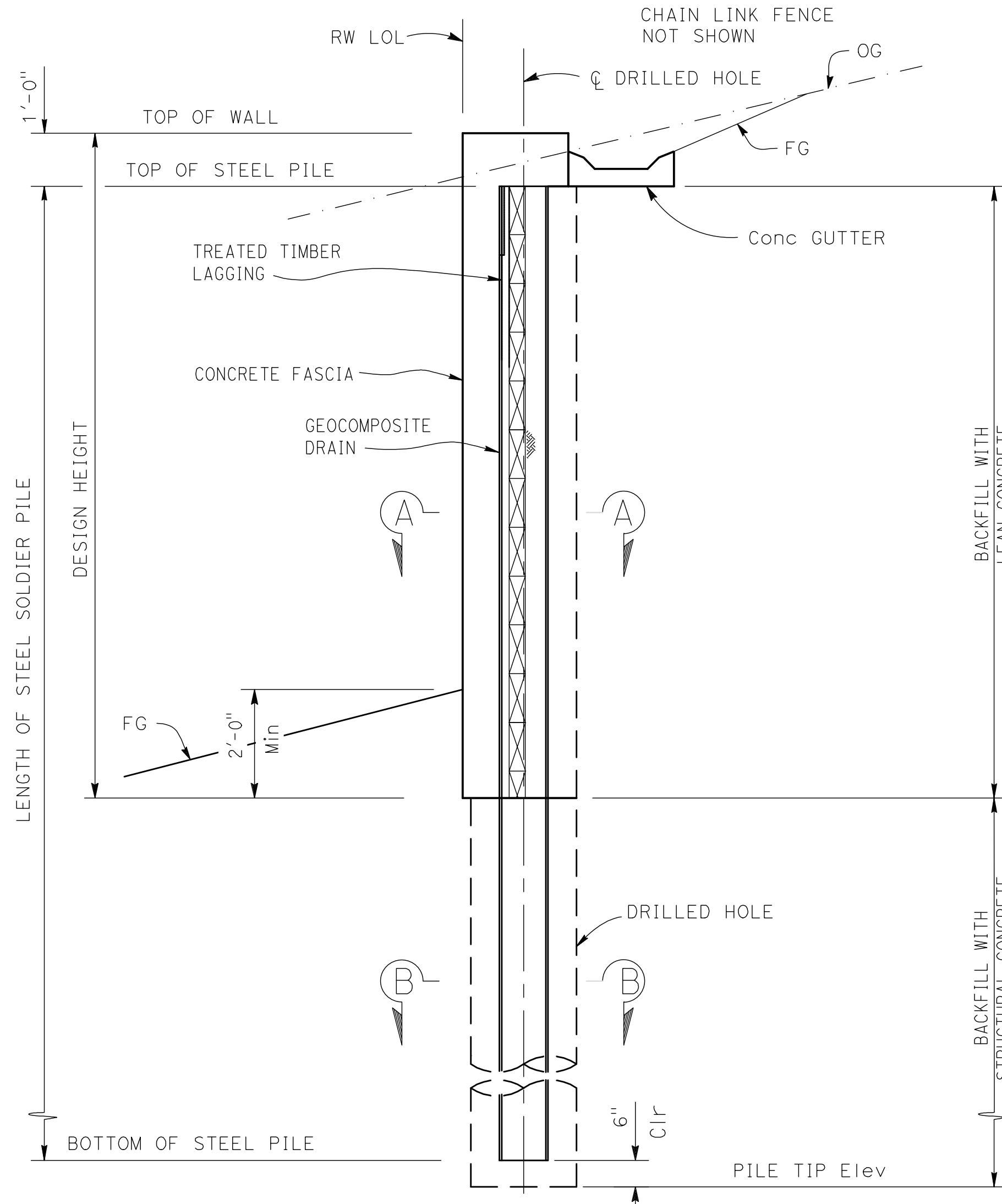
 Hill 037 36	DRAWN:	G. BOYKO	DESIGN:	M. BIANUCCI
	CHECKED:	M. MOORE	DATE:	10/26/20
	APPROVED:	DATE:		
	SCOTT C. CREER	DEPUTY DIRECTOR FOR ENGINEERING		
	RCE 58879	EXP. DATE 6-30-21		



**RETAINING WALL #3
GENERAL PLAN
IMPROVEMENT PLANS FOR
HALE AVE EXTENSION**

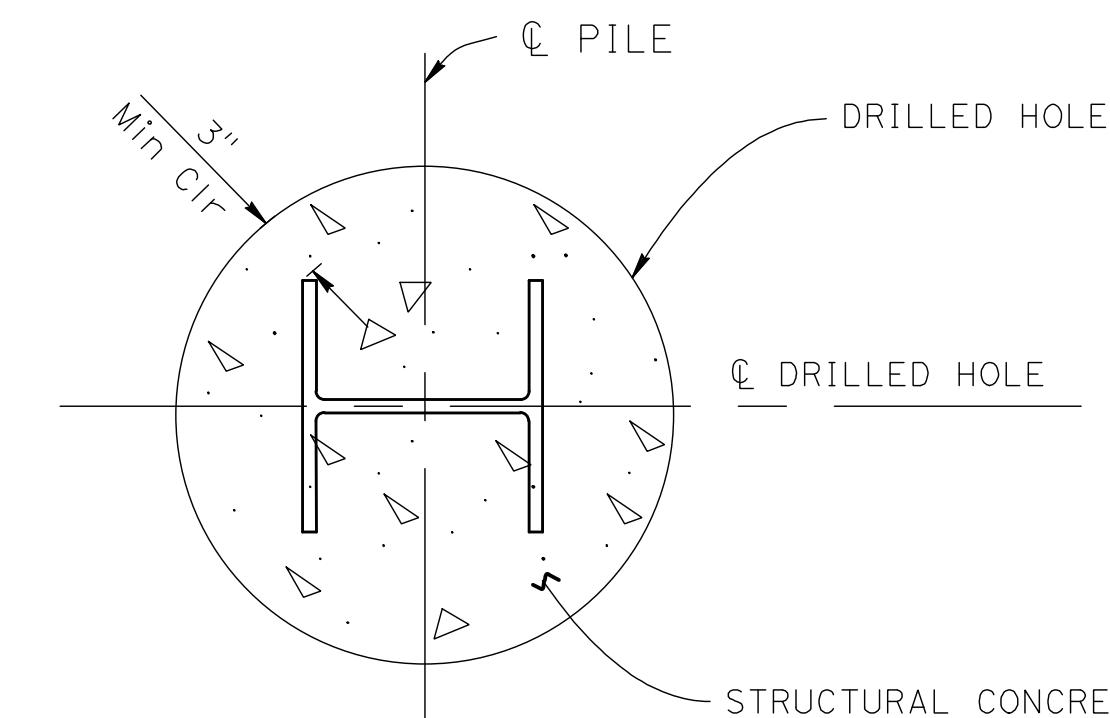
BID SUBMITTAL

CITY FILE NO.	504E02
PLAN SET:	09/25/2020
DRAWING:	RW-1A
66A OF 120	



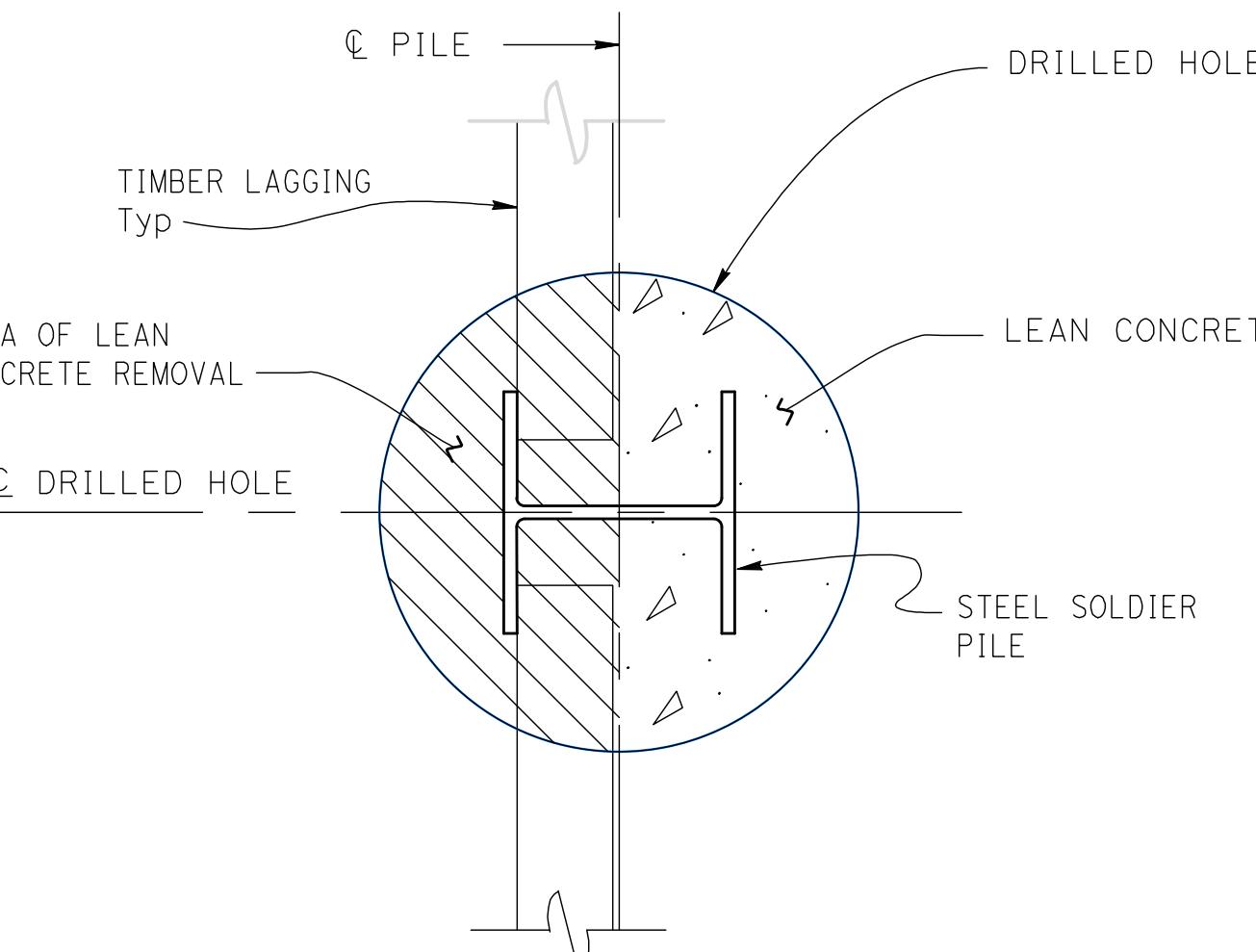
TYPICAL SECTION

NO SCALE



SECTION B-B

NO SCALE



SECTION A-A

NO SCALE

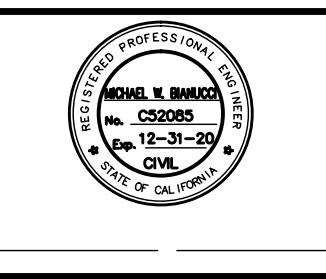
3 REPLACED PER ADDENDUM No. 3 DATED OCTOBER 23, 2020



City of Morgan Hill
Public Works Department
17575 PEAK AVE. MORGAN HILL, CA 95037
(408) 776-6480 FAX (408) 779-7236

WORK ACCEPTED: INSPECTOR:
ADDENDUM
NO. DESCRIPTION DATE BY DATE
REVISIONS

DRAWN: G. BOYKO DESIGN: M. BIANUCCI SCALE HOR.
CHECKED: M. MOORE DATE: 10/26/2020 SCALE VERT.
APPROVED: SCOTT C. CREER DEPUTY DIRECTOR FOR ENGINEERING EXP. DATE 6-30-21
RCE 58879 EXP. DATE 12-31-20
SUPERVISED BY: MICHAEL W. BIANUCCI
REGISTERED CIVIL ENGINEER
RCE C52000
EXP. DATE 12-31-20
SIGNATURE



**RETAINING WALL #3
SOLDIER PILE WALL DETAILS NO. 1
IMPROVEMENT PLANS FOR
HALE AVE EXTENSION**
MORGAN HILL, CALIFORNIA

CITY FILE NO. 504E02
PLAN SET: 09/25/2020
DRAWING: RW-1B
66B OF 120

GENERAL NOTES

DESIGN: AASHTO LRFD Bridge Design Specifications, 6th Edition with California Amendments.

PG&E TOWER SURCHARGE: 30 psi

SOIL PARAMETERS: (For determination of Design Lateral Earth Pressures)
Backfill soil weight = 120 lb/ft³
Friction Angle = 34°

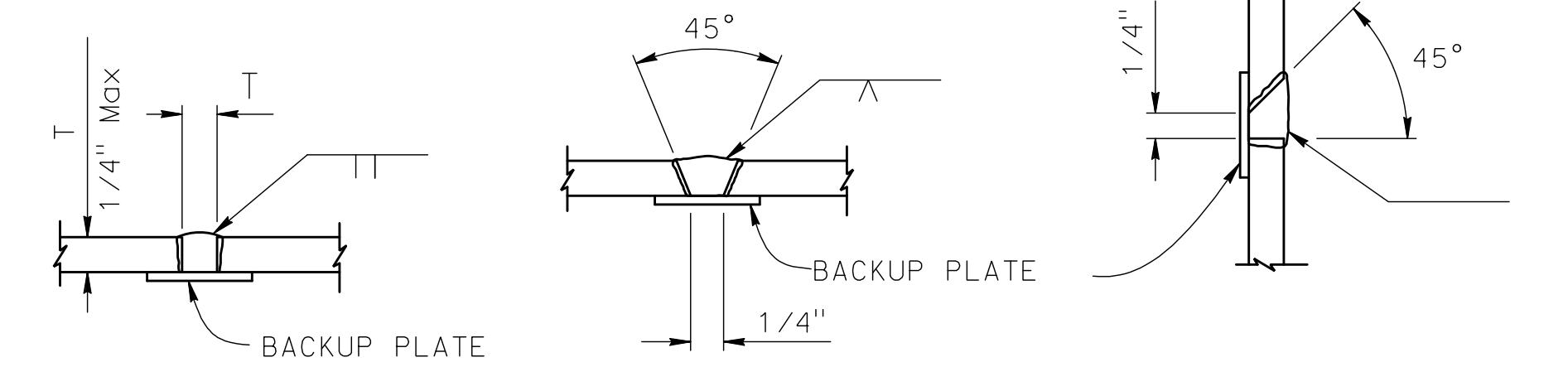
STEEL SOLDIER PILES: ASTM A572/A, ASTM 572M Grade 50 Min

CONCRETE (PILE): $f'_c = 3600$ psi
 $f_y = 60$ ksi

CONCRETE (FASCIA): $f'_c = 4000$ psi

TIMBER LAGGING: Treated Douglas Fir, Grade No. 1 or better
Timber to be full sawn

STEEL STUDS: $f_y = 49$ psi
 $f_u = 61$ ksi



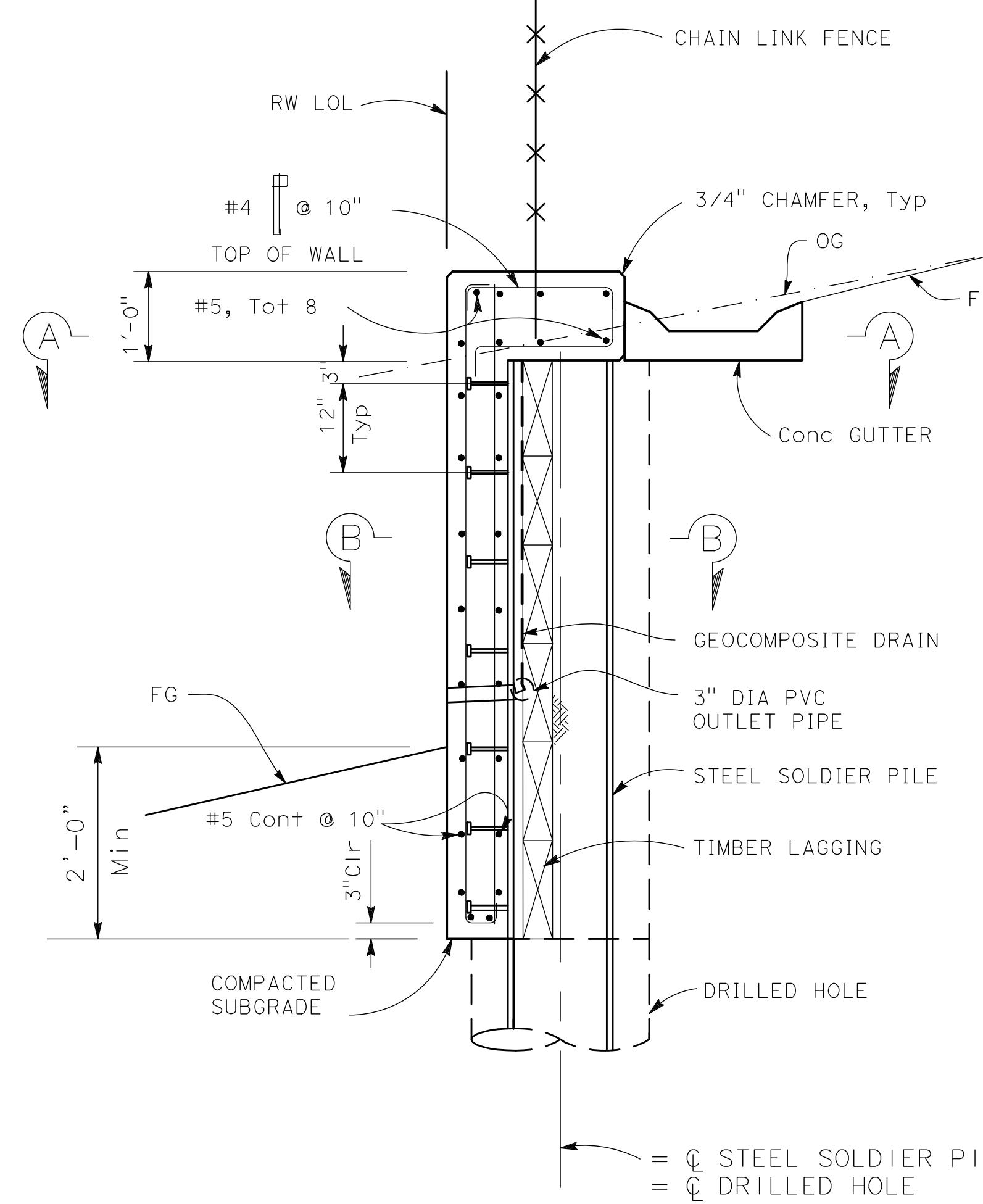
PILE WELDING DETAIL-BUTT JOINTS

NO SCALE

WELDING NOTES:

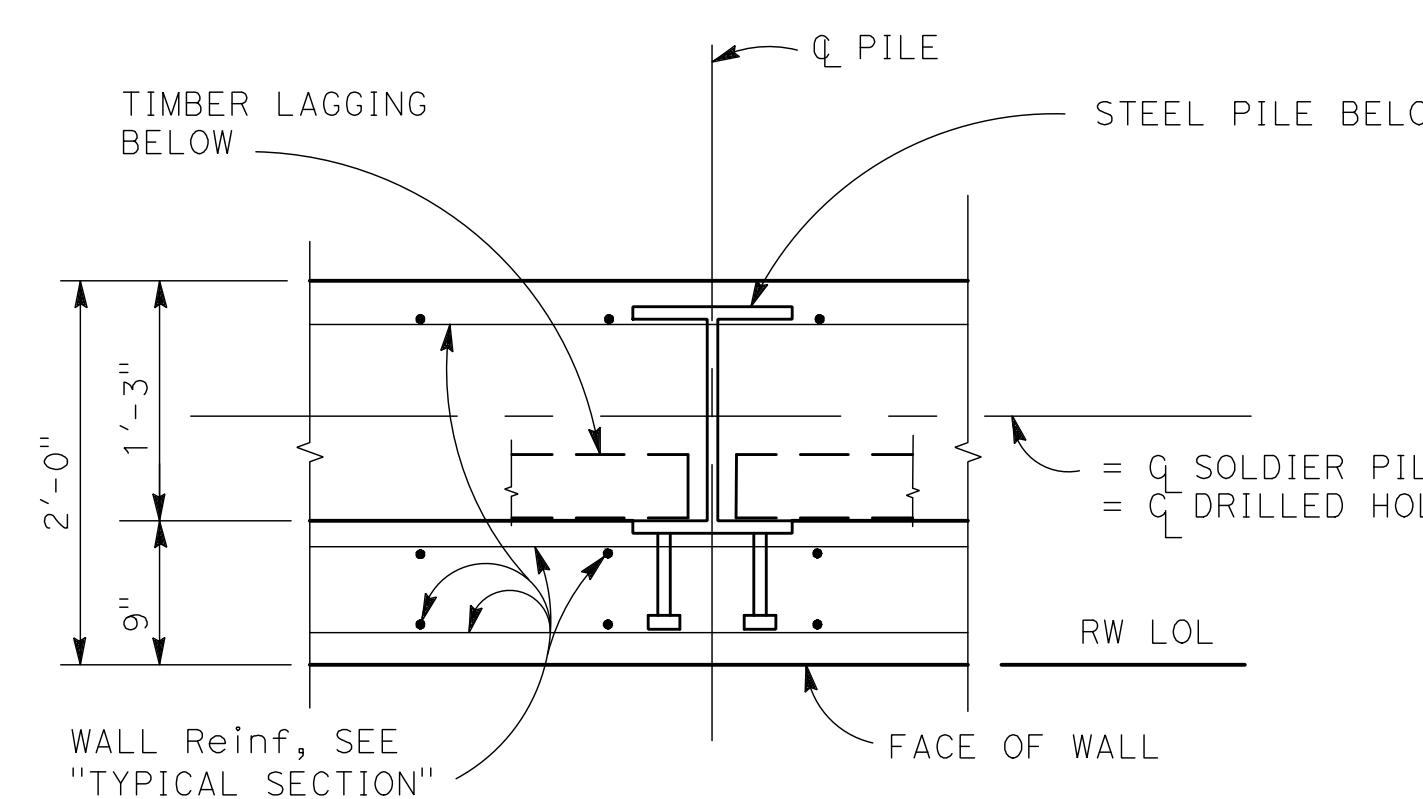
1. SINGLE VEE-GROOVE AND SQUARE GROOVE PERMITTED FOR ALL POSITIONS
2. SINGLE BEVEL-GROOVE PERMITTED FOR HORIZONTAL JOINTS ONLY

BID SUBMITTAL



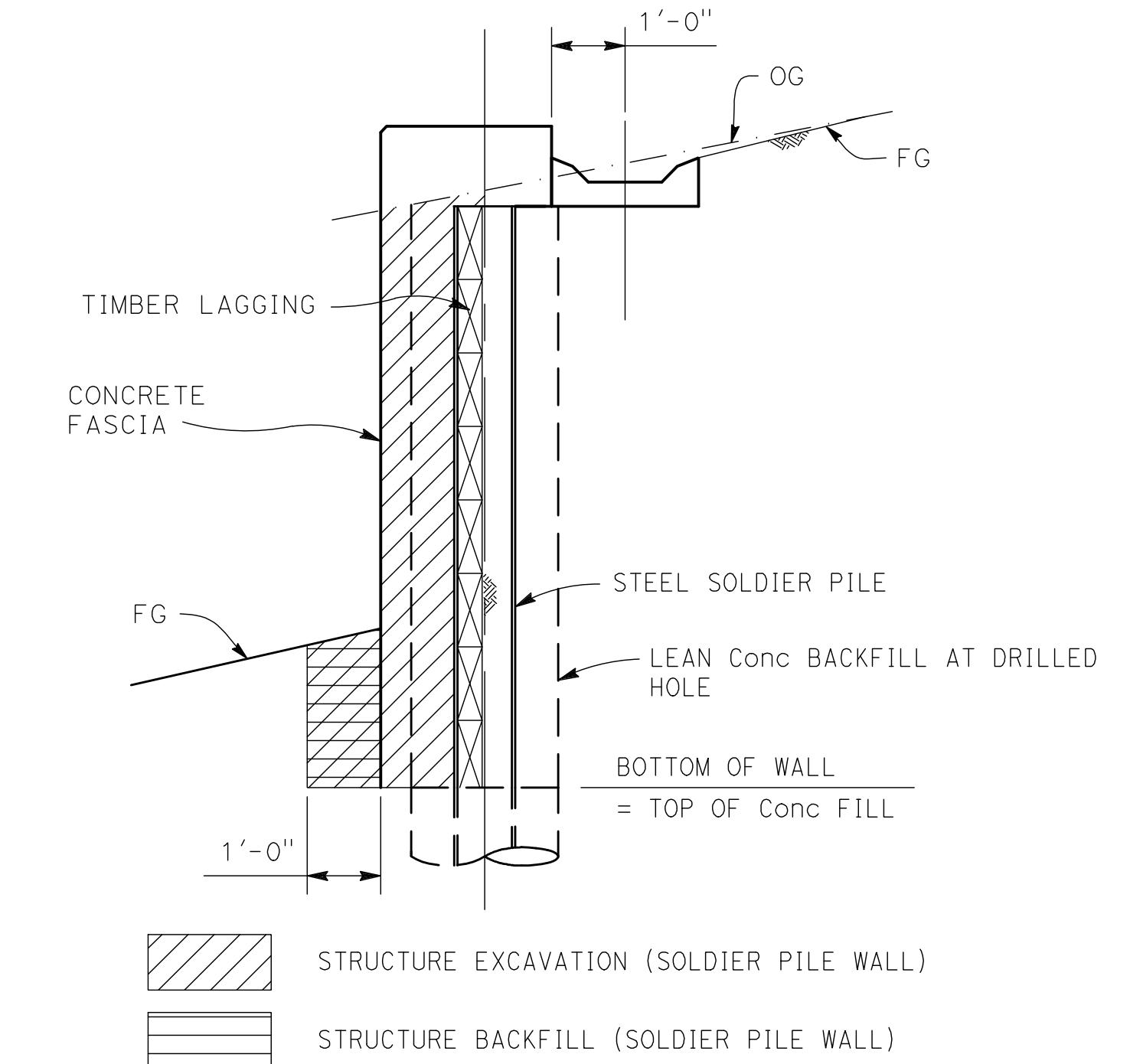
SECTION

SCALE: 3/4"=1'-0"

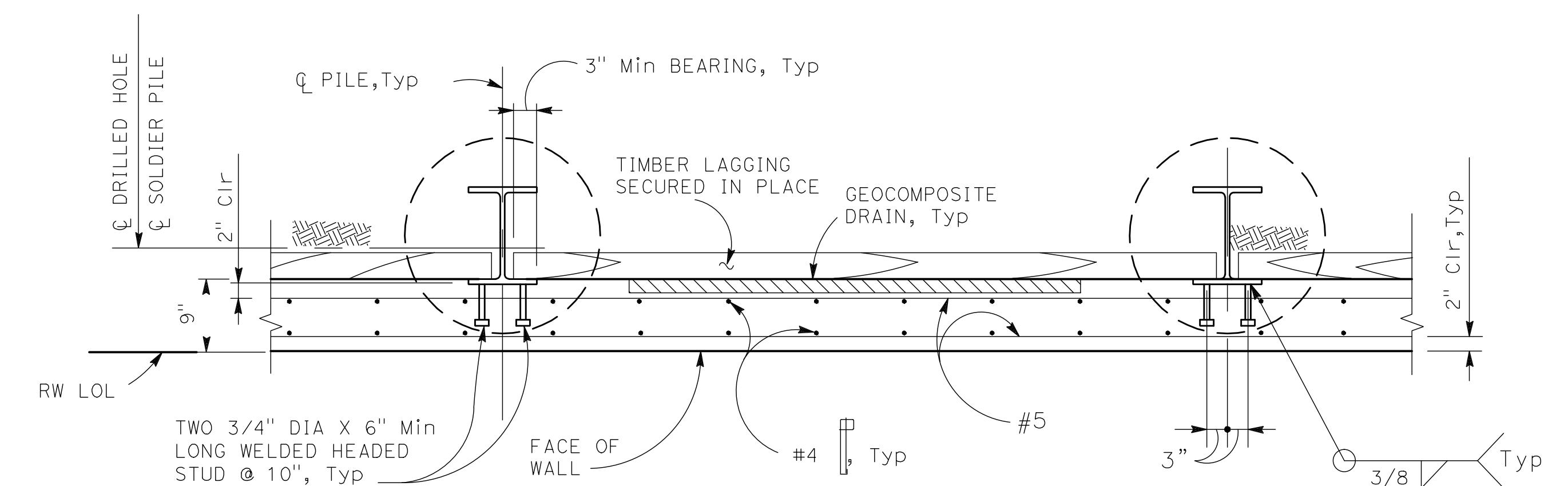


SECTION A-A

NO SCALE



LIMITS OF PAYMENT FOR EXCAVATION AND BACKFILL SOLDIER PILE WALL



SECTION B-B

NO SCALE

3 REPLACED PER ADDENDUM No. 3 DATED OCTOBER 23, 2020

NO.	DESCRIPTION	DATE	BY	WORK ACCEPTED:	INSPECTOR:
				ADDENDUM	
REVISIONS					

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17575 PEAK AVE. MORGAN HILL, CA 95037
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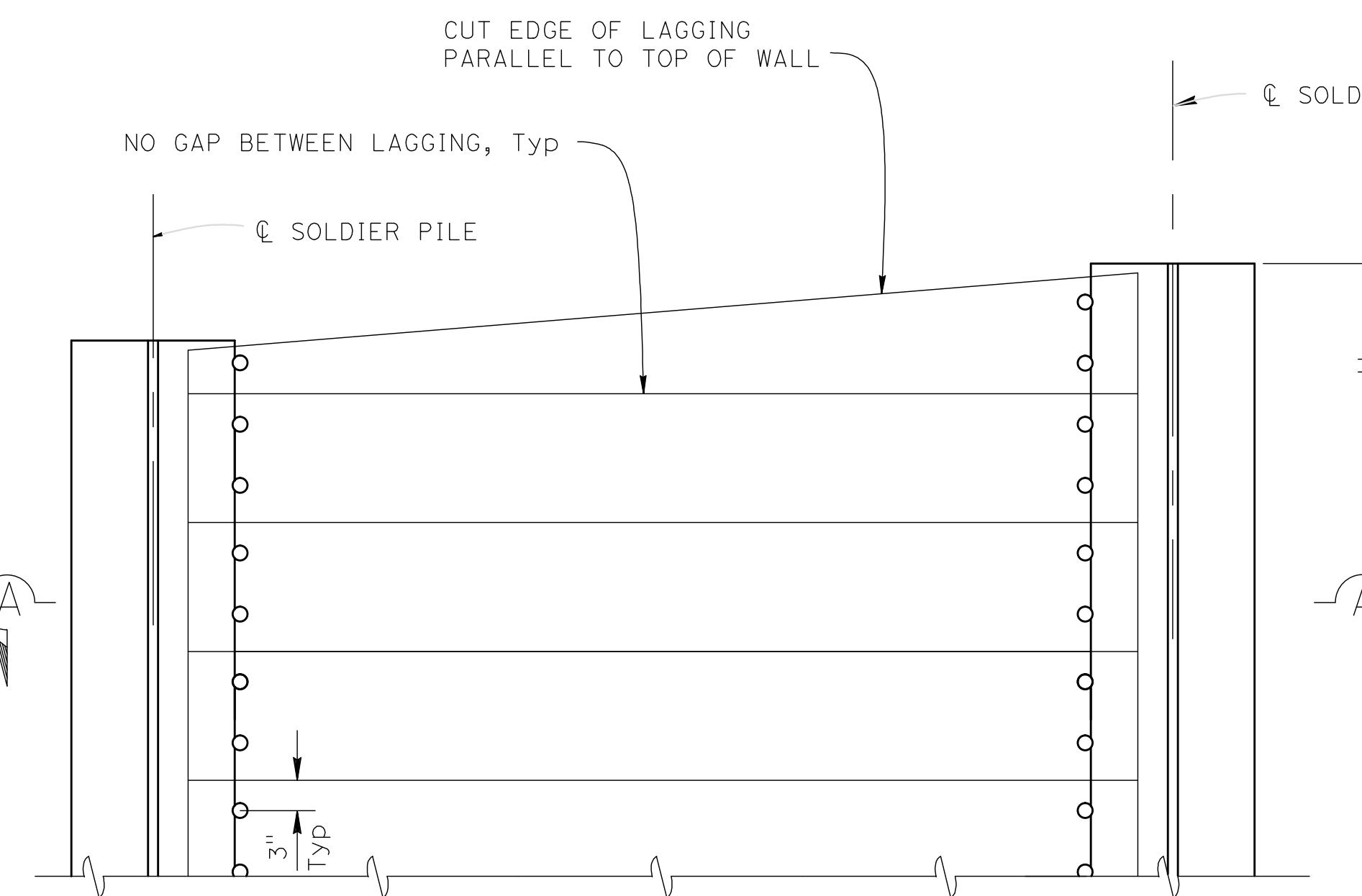
DRAWN: G. BOYKO	DESIGN: M. BIANUCCI	SCALE HOR.
CHECKED: M. MOORE	DATE: 10/26/2020	SCALE VERT.
APPROVED: SCOTT C. CREER	DATE: EXP. DATE 6-30-21	JOB NO. SJ-17101
RCE 58879	DEPUTY DIRECTOR FOR ENGINEERING	SCOTT C. CREER
	EXP. DATE 6-30-21	



MARK
THOMAS

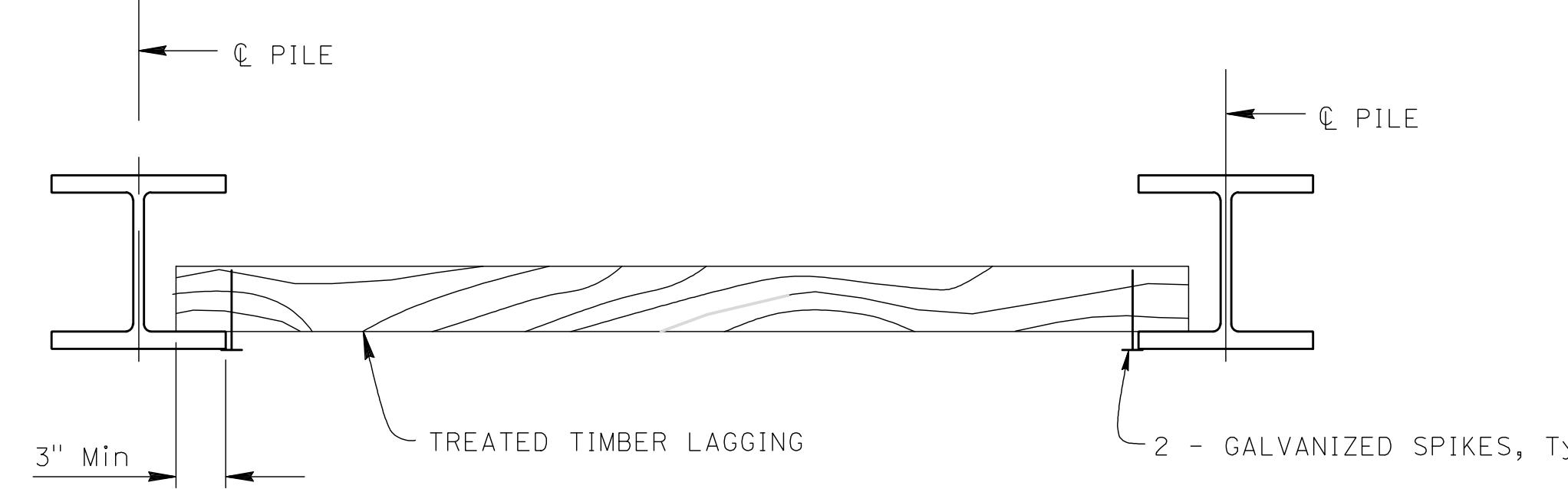
RETAINING WALL #3
SOLDIER PILE WALL DETAILS NO. 2
IMPROVEMENT PLANS FOR
HALE AVE EXTENSION

CITY FILE NO. 504E02
PLAN SET: 09/25/2020
DRAWING: RW-1C
66C OF 120



LAGGING DETAILS - ELEVATION

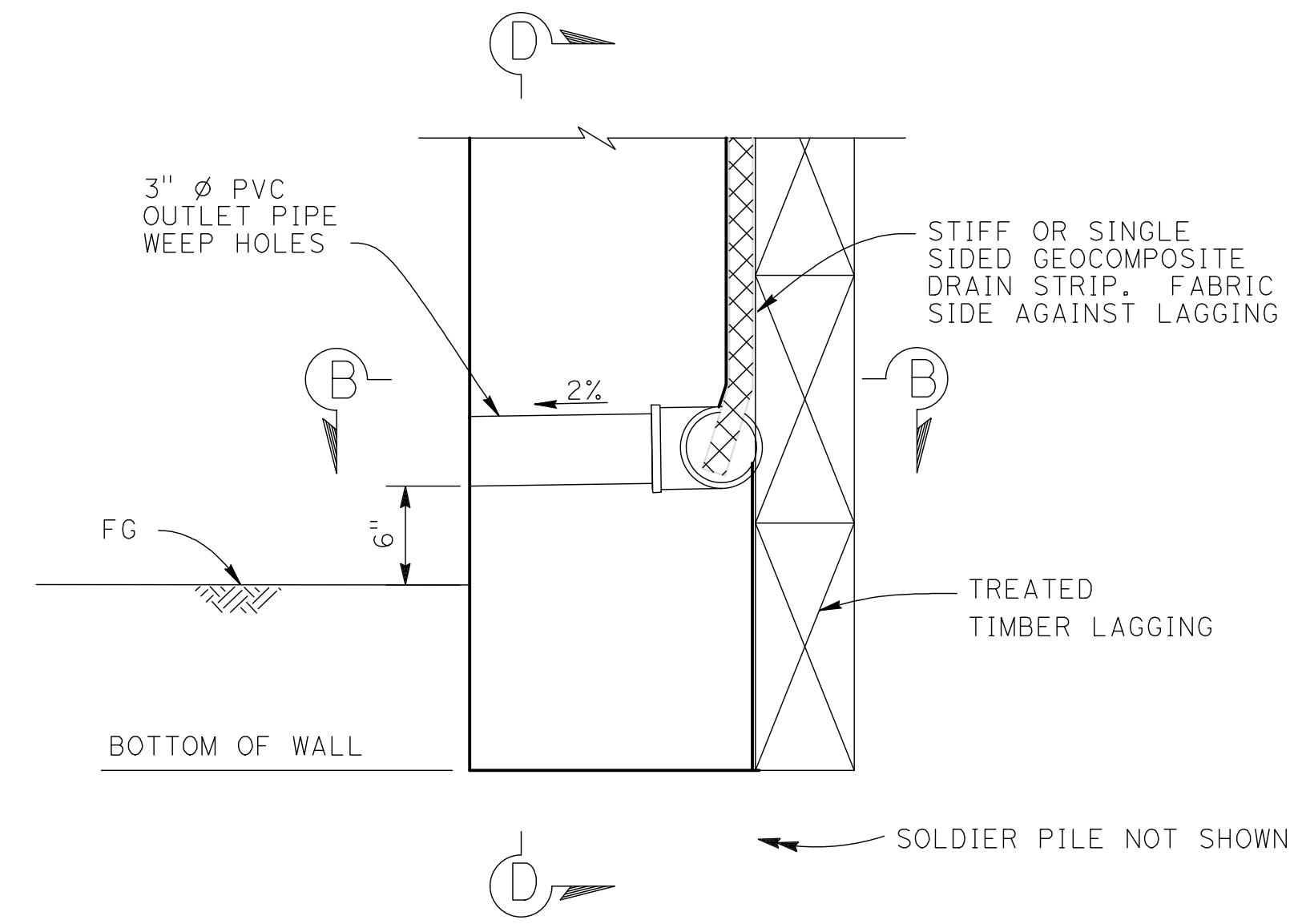
NO SCALE



SECTION A-A

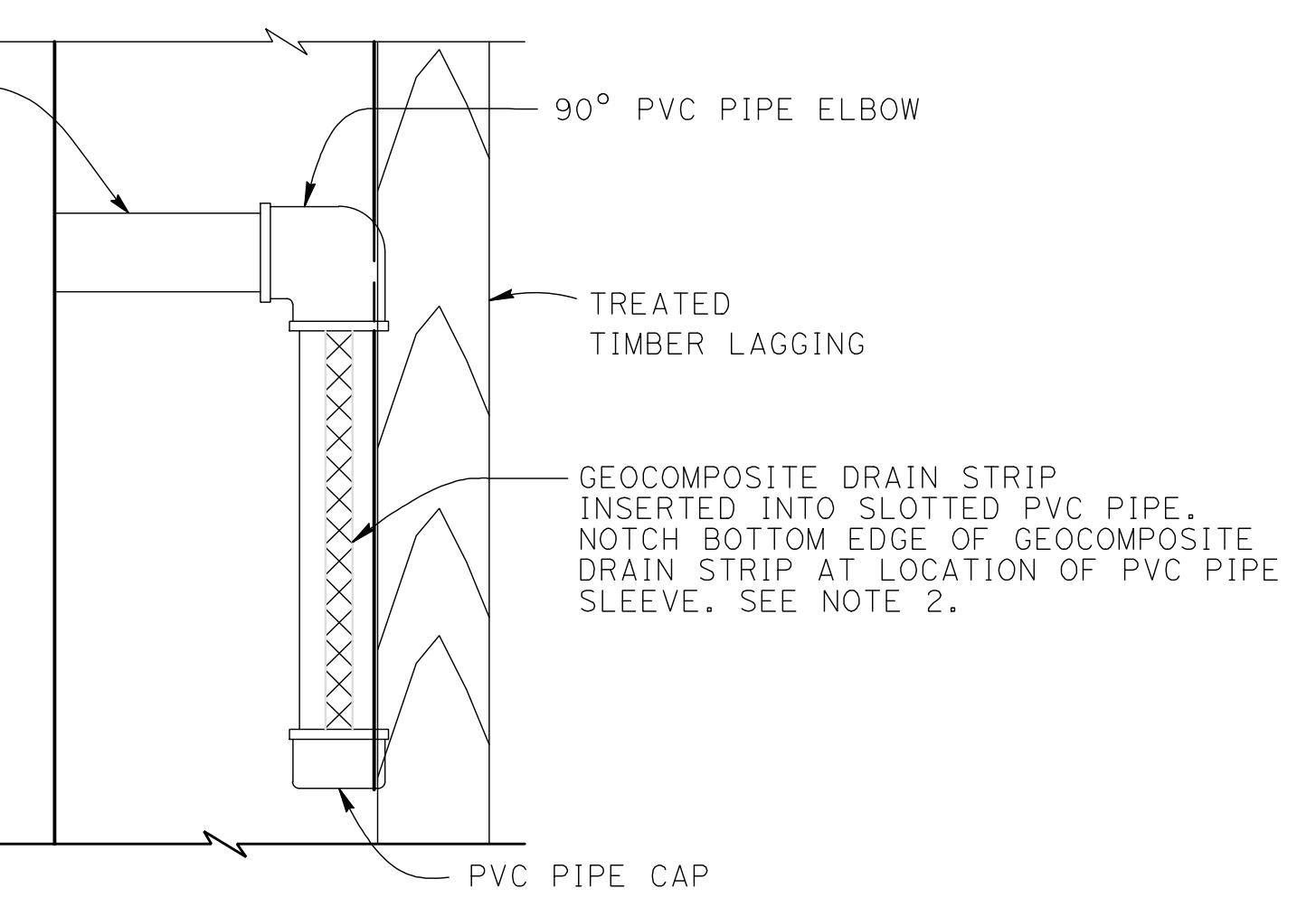
NO SCALE

1. TIMBER LAGGING SHALL BE TREATED DOUGLAS FIR AND MUST BE FULL SAWN 4"x12".
2. NO CLIPPING OF TIMBER LAGGING CORNERS ALLOWED.
3. USE 2OD GALV WIRE SPIKES FOR TIMBER LAGGING.
4. SPIKES SHALL NOT BE BENT.



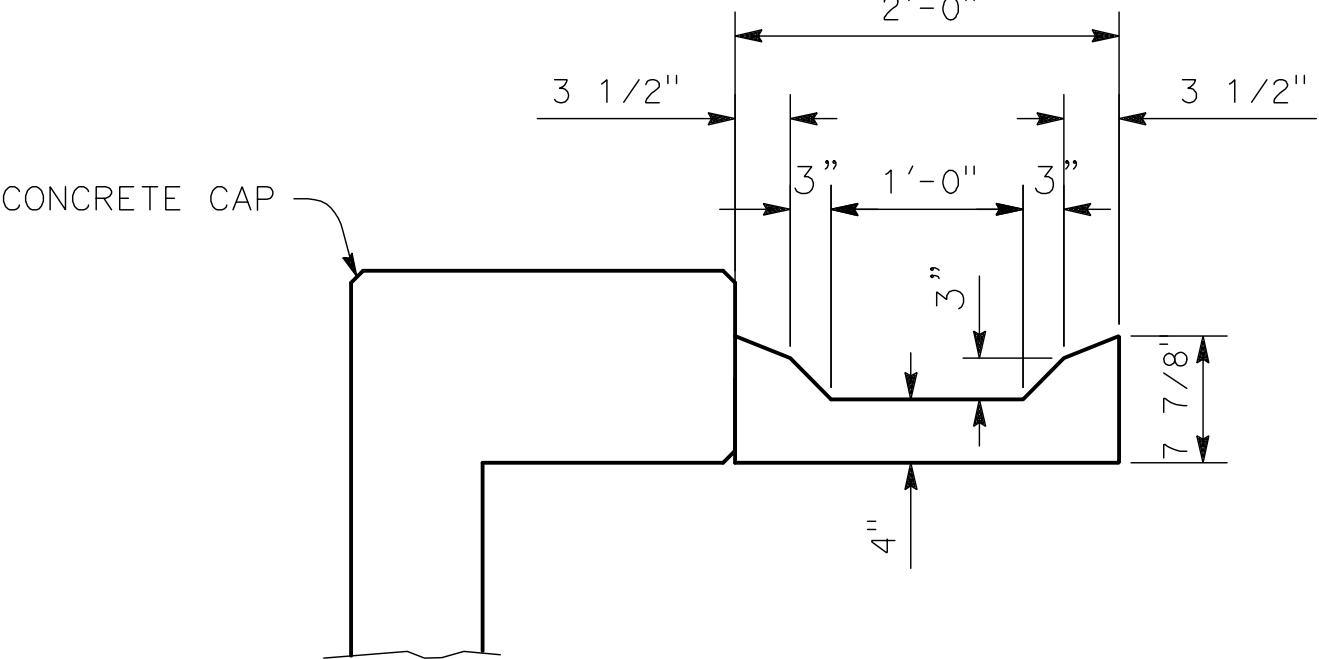
SECTION A-A

NO SCALE

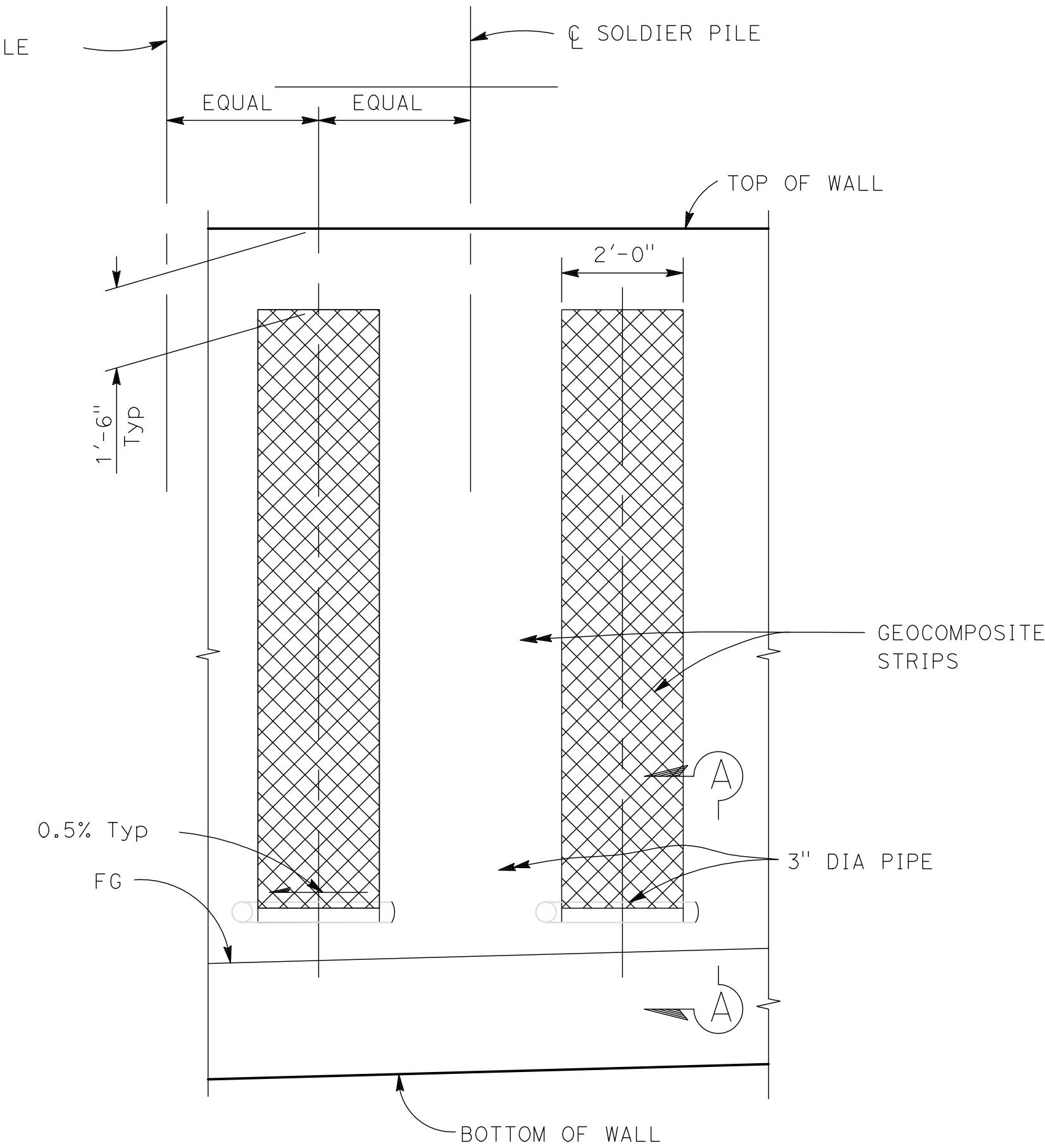


SECTION B-B

NO SCALE

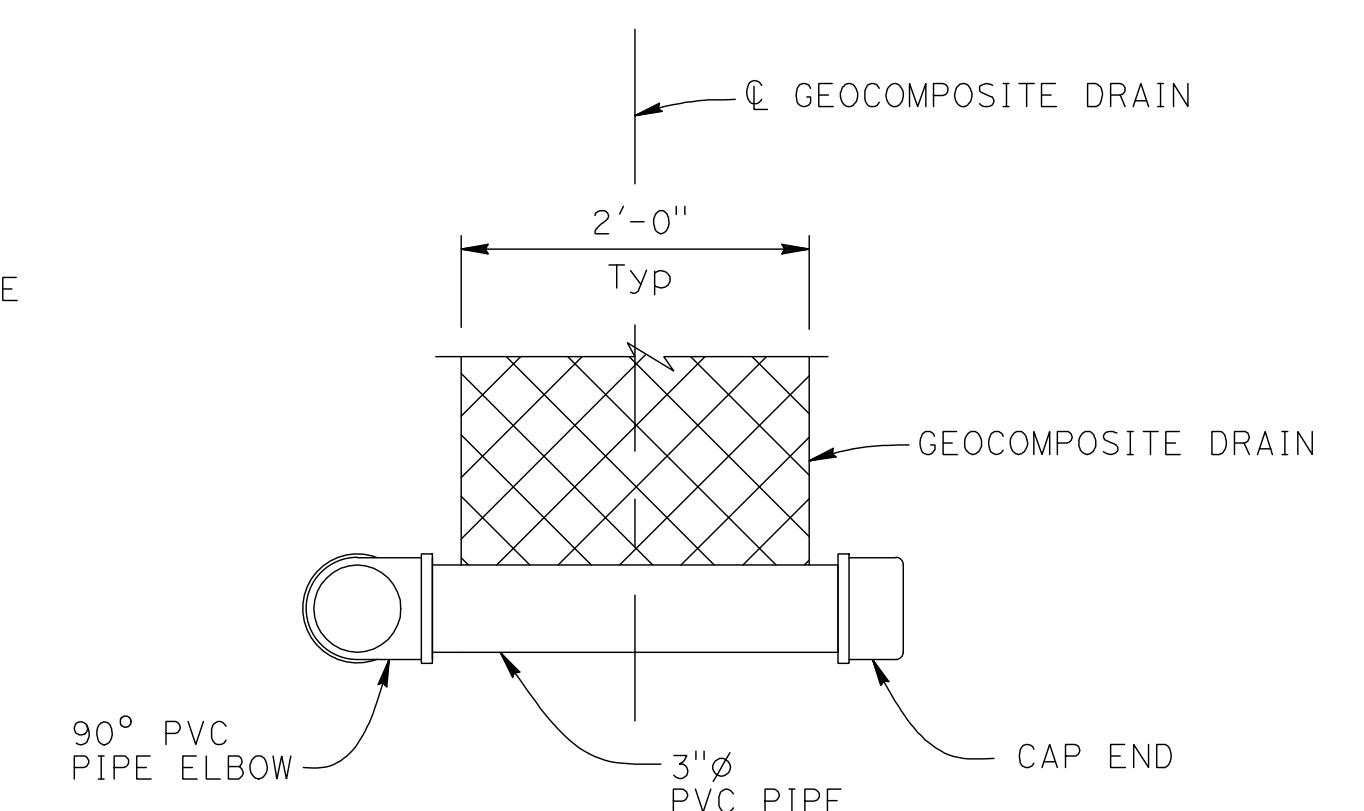


GUTTER DETAIL



GEOCOMPOSITE DRAIN - ELEVATION

NO SCALE



VIEW D-D

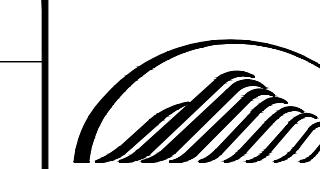
NO SCALE

NOTES:

1. GEOCOMPOSITE DRAIN STRIP PER SECTION 88 GEOSYNTHETICS OF THE STANDARD SPECIFICATIONS
2. GEOCOMPOSITE DRAIN STRIP SHOULD FIT SNUG IN SLOT SO CONCRETE DOES NOT ENTER THE PIPE.

3 REPLACED PER ADDENDUM No. 3 DATED OCTOBER 23, 2020

		WORK ACCEPTED:	INSPECTOR:	
	ADDENDUM			
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Public Works Department
17575 PEAK AVE. MORGAN HILL, CA 95037
(408) 776-6480 FAX (408) 779-7236

DRAWN: G. BOYKO	DESIGN: M. BIANUCCI	SCALE HOR.	SUPERVISED BY:
CHECKED: M. MOORE	DATE: 10/26/2020	SCALE VERT.	MICHAEL W. BIANUCCI REGISTERED CIVIL ENGINEER RCE C2020 EXP. DATE 12-31-20
APPROVED: SCOTT C. CREER	DATE: 10/26/2020	JOB NO.	SCOTT C. CREER DEPUTY DIRECTOR FOR ENGINEERING RCE 58879 EXP. DATE 6-30-21
		SIGNATURE	DATE

MARK
THOMAS

RETAINING WALL #3
SOLDIER PILE WALL DETAILS NO. 3
IMPROVEMENT PLANS FOR
HALE AVE EXTENSION

CITY FILE NO. 504E02
PLAN SET: 09/25/2020
DRAWING: RW-1D
66D OF 120