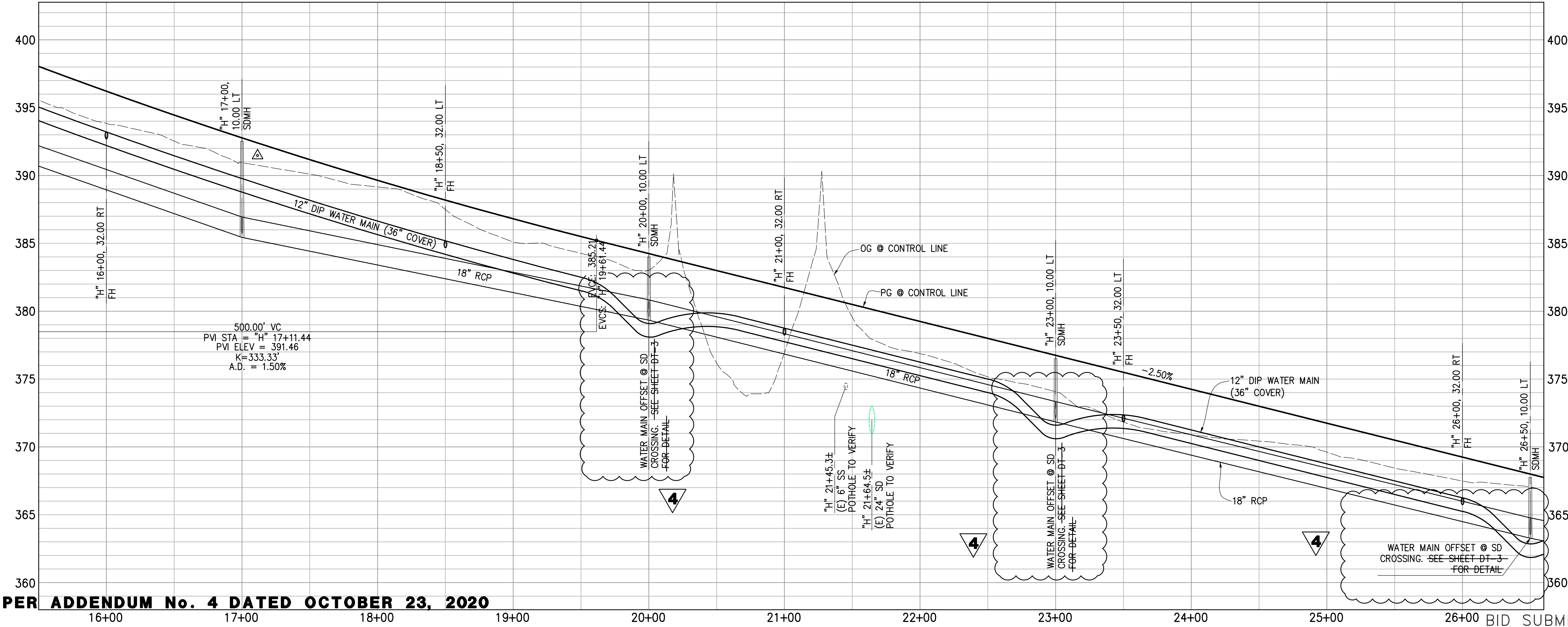
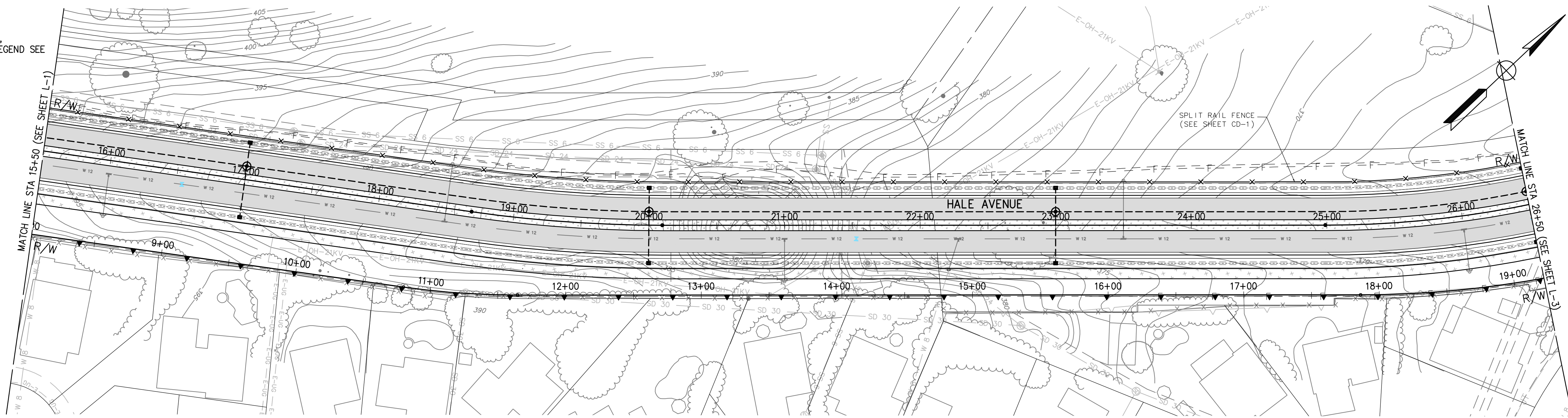


NOTE
1. FOR ADDITIONAL NOTES,
ABBREVIATIONS, AND LEGEND SEE
TS-1, TS-2, AND L-1.



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

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



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: [Signature]	DATE: 10-23-2020	JOB NO: SJ-17101
SCOTT C. CREER RCE 58679	DEPUTY DIRECTOR FOR ENGINEERING EXP. DATE 6-30-21	

SUPERVISED BY:
MICHAEL K. COOPER
REGISTERED CIVIL ENGINEER
RCE 28072
EXP. DATE 3-31-21
[Signature] 09/25/2020
SIGNATURE DATE

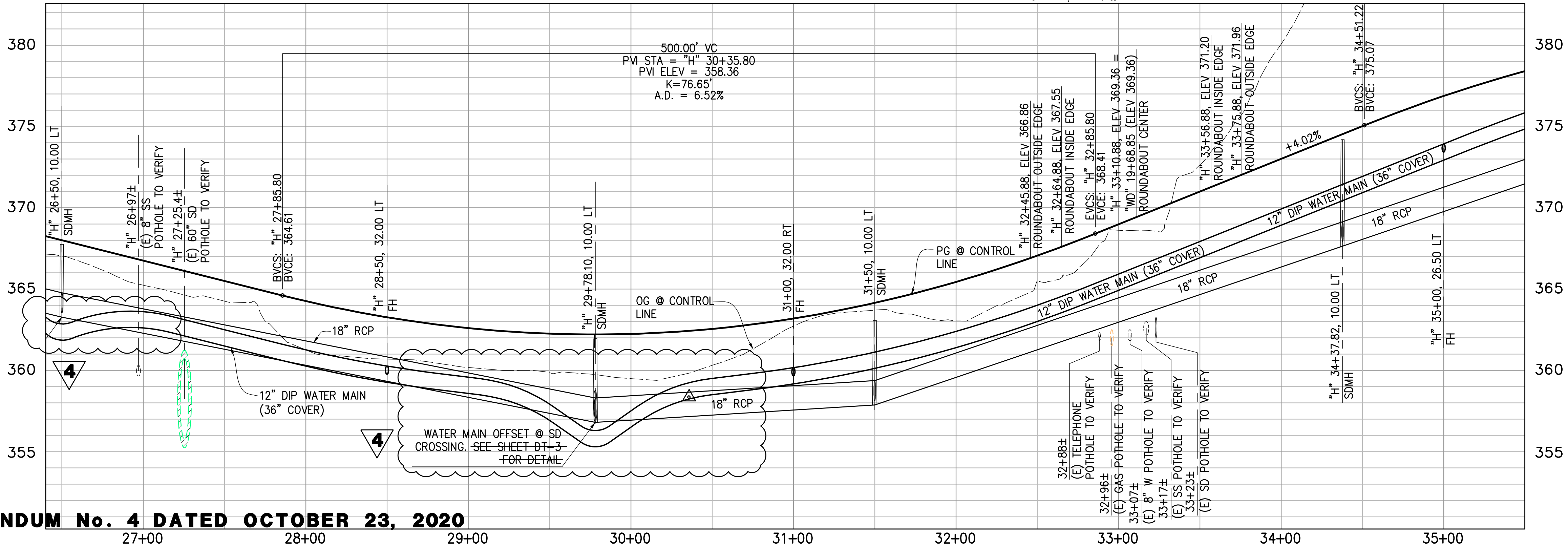
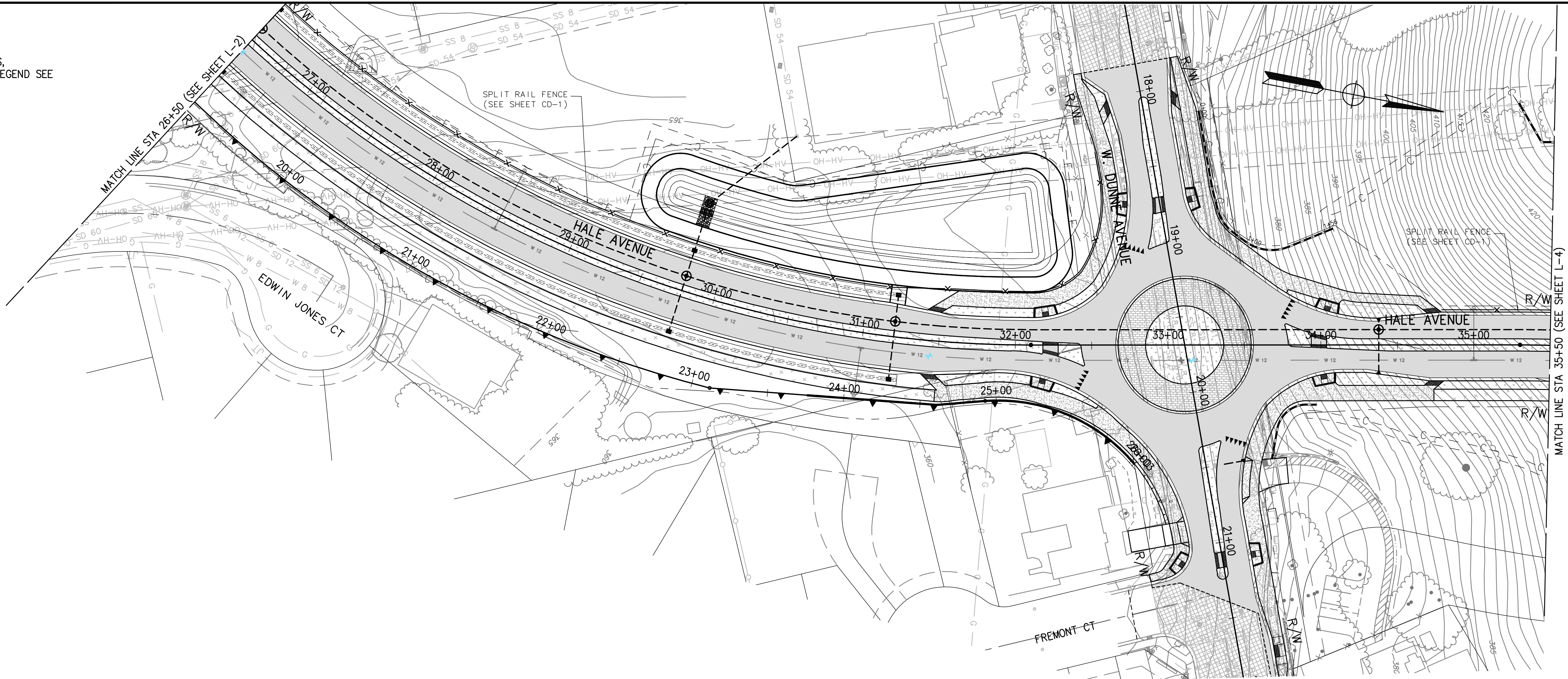
MARK THOMAS

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

CITY FILE NO. 504E02
PLAN SET: 09/25/2020
DRAWING: L-2A
18 OF 120

NOTE

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



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

BID SUBMITTAL

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

City of Morgan Hill
Public Works Department

17575 PEAK AVE. MORGAN HILL, CA 95037
(408) 776-6480 FAX (408) 779-7236

SL
CHECKED: KY
APPROVED: SCOTT C. CREER
RCE 56679

SL
DATE: 09/25/2020
DATE: 10-23-2020
DEPUTY DIRECTOR FOR ENGINEERING
EXP. DATE 6-30-21

SCALE HOR.
1"=40'
SCALE VERT.
1"=4'
JOB NO.
SJ-17101

SUPERVISED BY:
MICHAEL K. COOPER
REGISTERED CIVIL ENGINEER
RCE 28072
EXP. DATE 3-31-21

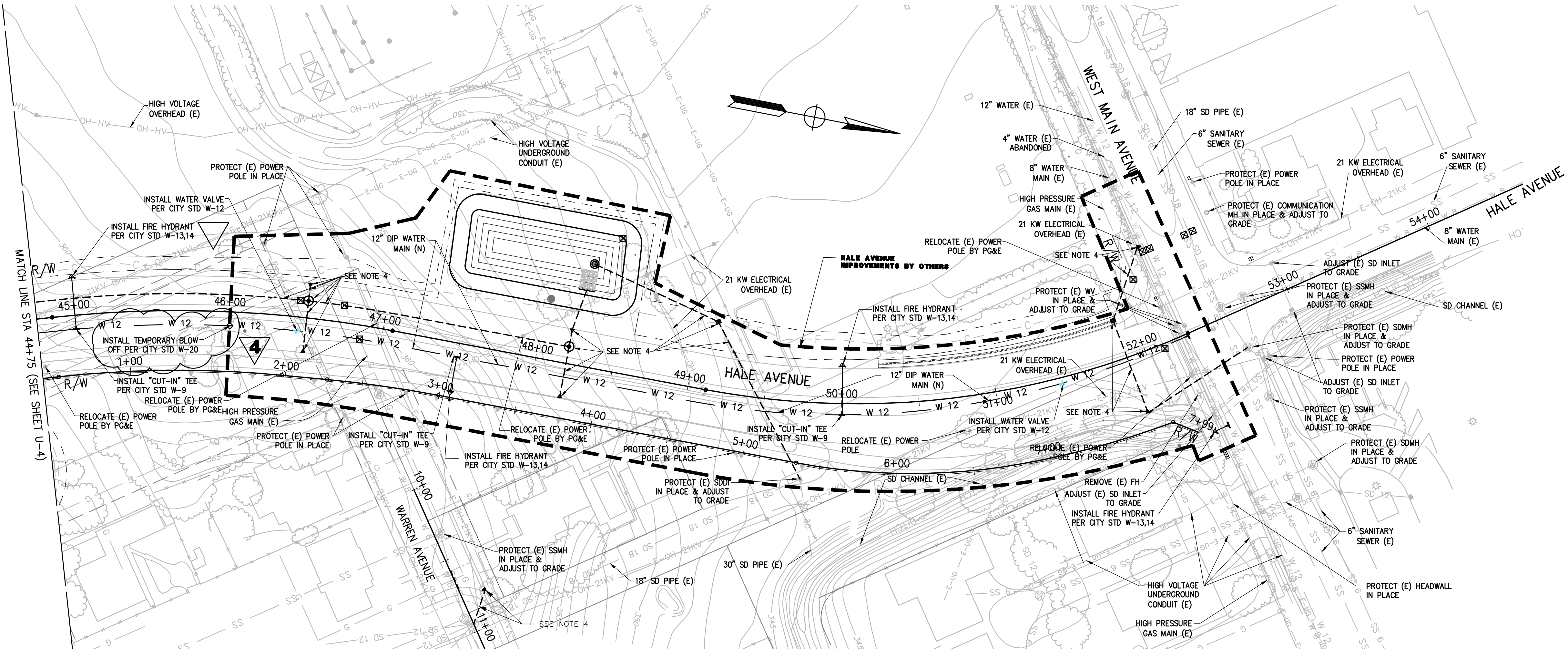
MARK THOMAS
09/25/2020

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

CAD USER: Jackie
PLOT DATE: 07/22/2020 09:39:08am
FILE NAME: HALE_U-5



NOTE:
SEE SHEET U-1 FOR GENERAL NOTES.






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.

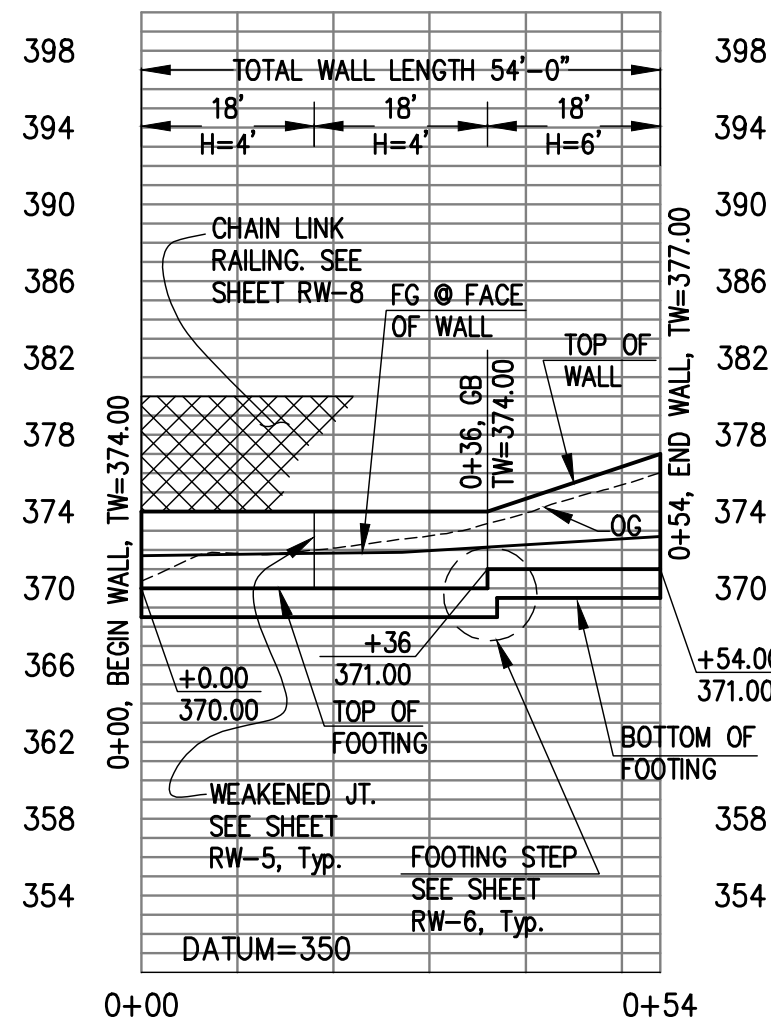
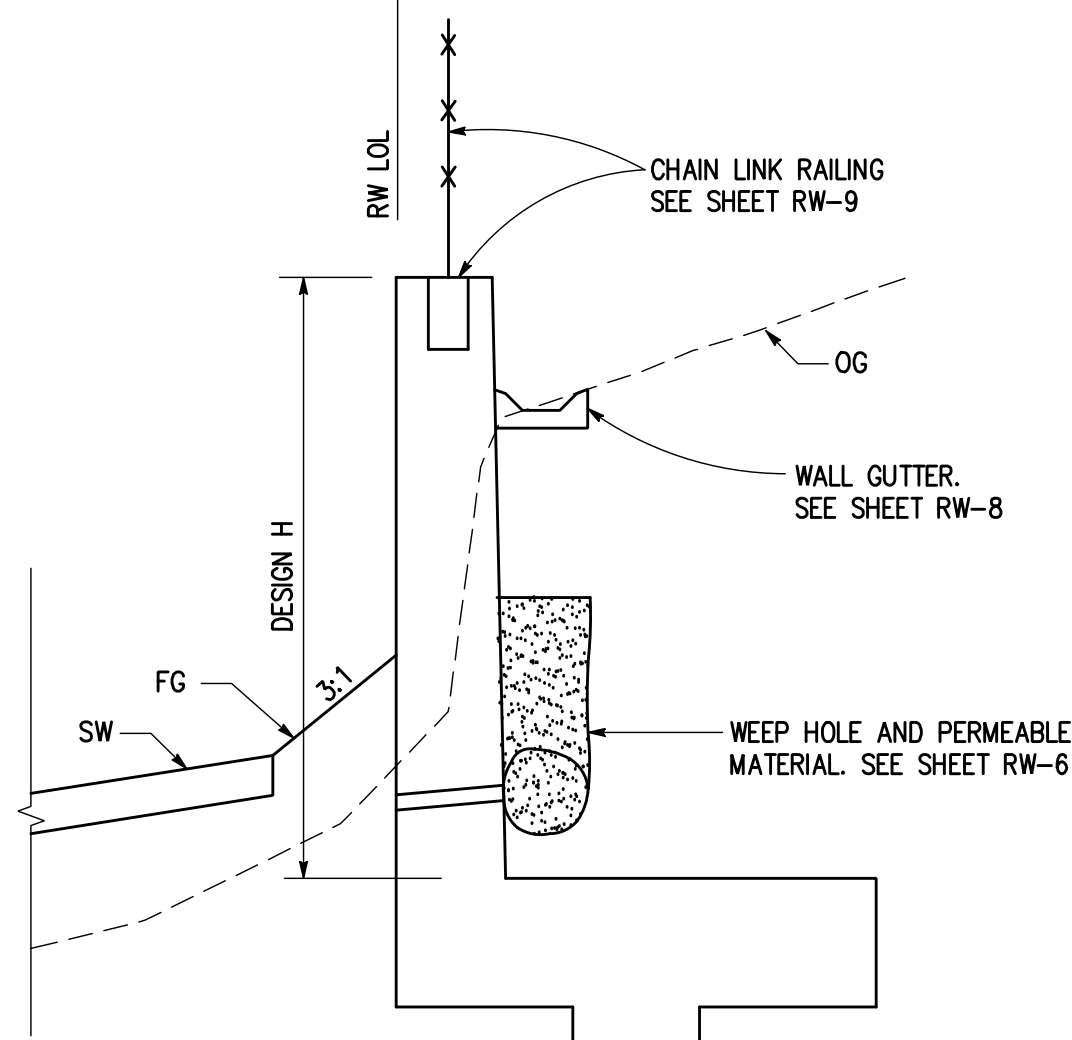
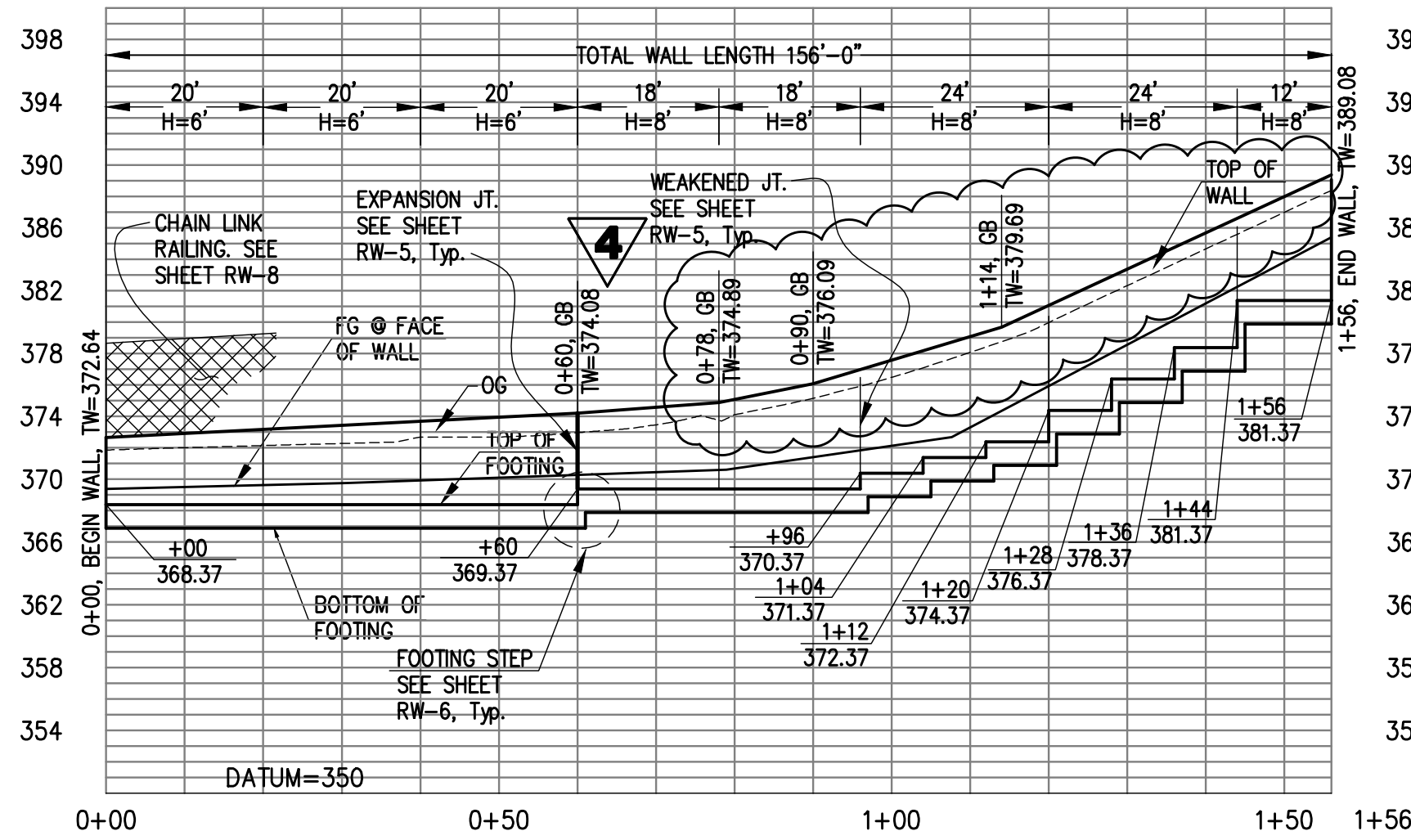


4 REPLACED PER ADDENDUM No. 4 DATED OCTOBER 23, 2020

BID SUBMITTAL

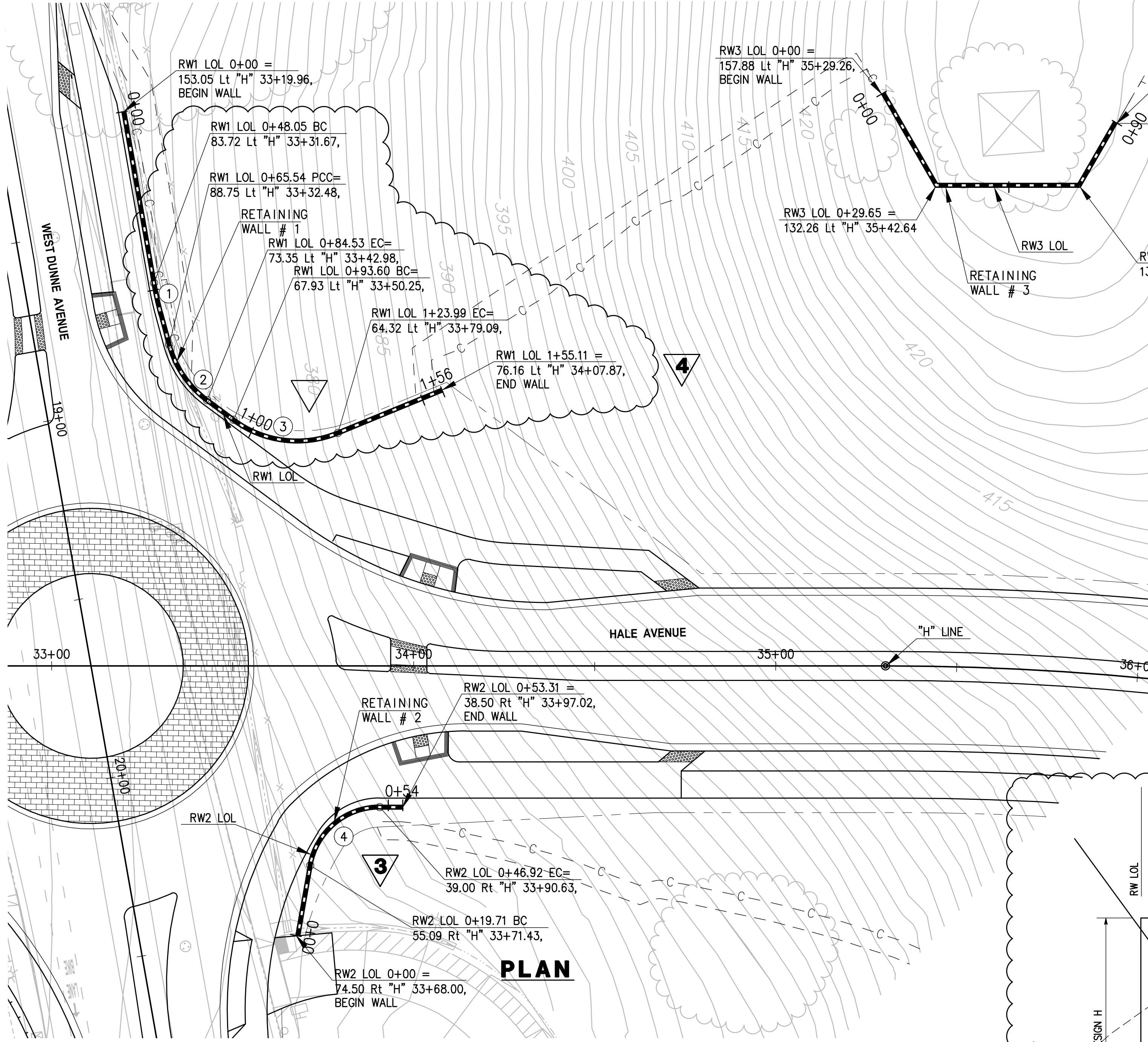
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AS-BUILT CORRECTIONS				CHECKED: MC	DATE: 09/25/2020	SCALE VERT:						APPROVED: 	DATE: 10-23-2020	JOB NO. SJ-17101											
NO.	DESCRIPTION	DATE	BY	BY:	DATE:			17575 PEAK AVE. MORGAN HILL, CA 95037		(408) 776-6480 FAX (408) 779-7236		SCOTT C. CREER RCE 56879		DEPUTY DIRECTOR FOR ENGINEERING EXP. DATE 6-30-21		SIGNATURE 		09/25/2020		DATE		MORGAN HILL CALIFORNIA		53 OF 120	
REVISIONS																									

P:\FH Morgan Hill\51710-Hale Avenue Extension\CAD\DWG\Sheet\1



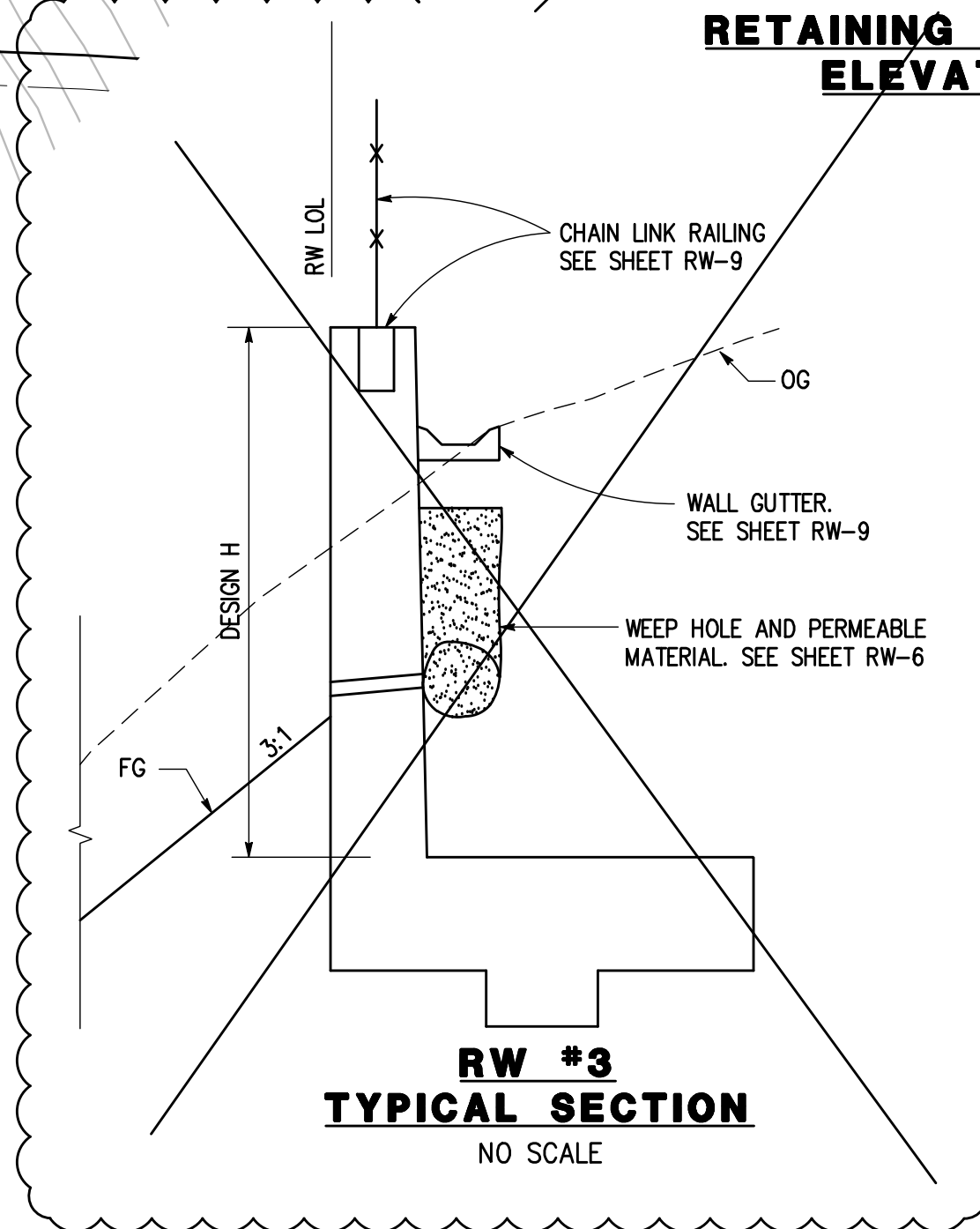
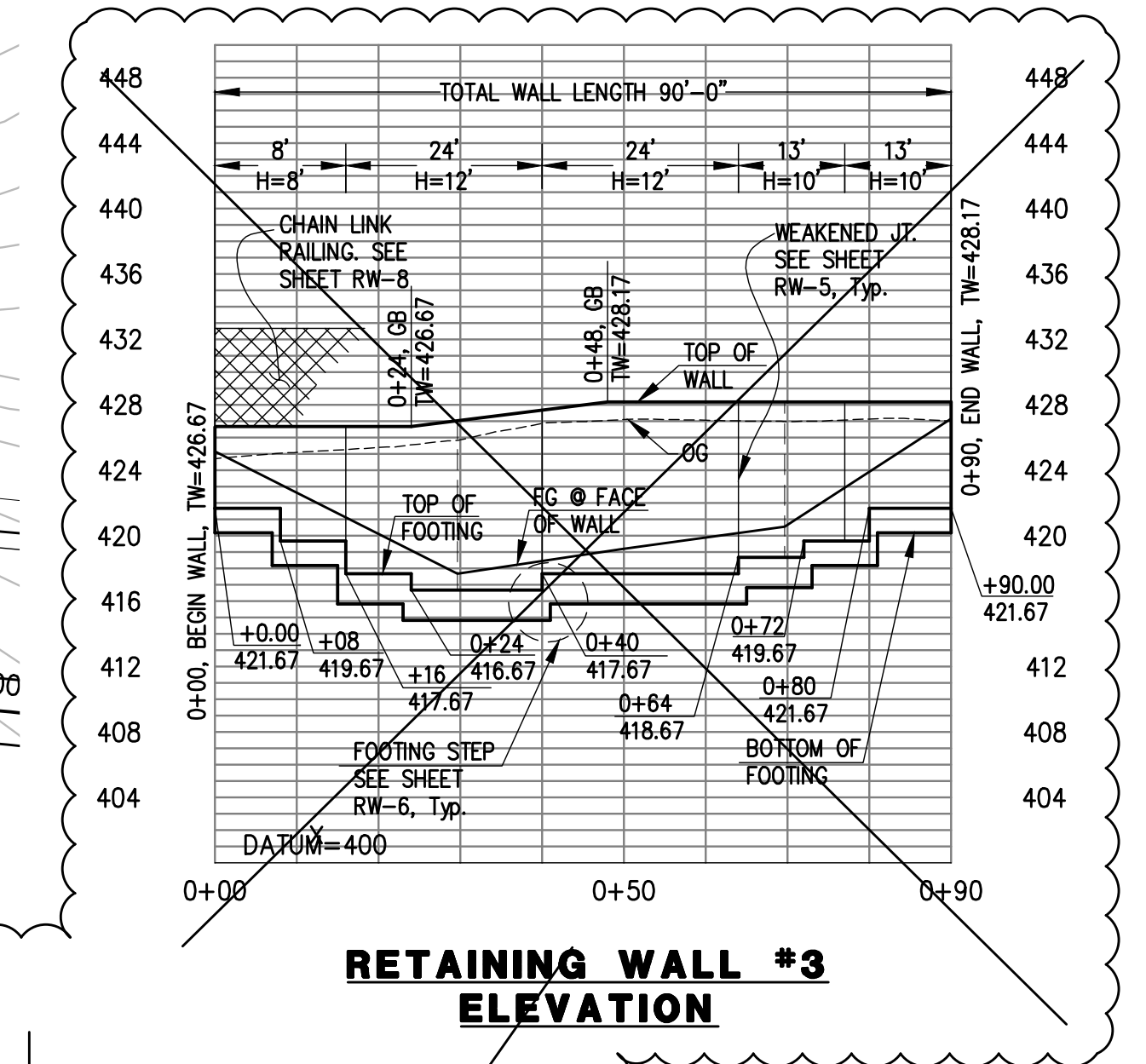
RETAINING WALL #2 ELEVATION

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



NOTES:

1. INSTALL TYPE 5 (CASE 2) RETAINING WALLS #1, #2, AND #3 PER CALTRANS RSP B3-4B, DATED APRIL 20, 2012 (SEE SHEET RW-5).
2. FOR RETAINING WALL REINFORCEMENT AND DETAILS, SEE SHEETS RW-5, 6, 7, AND 8.
3. PROVIDE RETAINING WALL CHAIN LINK RAILING PER CALTRANS RSP B11-7, DATED MAY 20, 2011 (SEE SHEET RW-9).
4. PROVIDE RETAINING WALL UTILITY OPENING PER CALTRANS RSP B3-6, DATED APRIL 20, 2012 (SEE SHEET RW-8).
5. FOR RETAINING WALL #3 DETAILS, SEE SHEETS RW1A, 1B, 1C, 1D, 1E, AND 1F.



NO.	DESCRIPTION	DATE	BY

REVISIONS

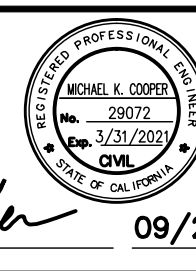


City of Morgan Hill
Public Works Department

17575 PEAK AVE. MORGAN HILL, CA 95037
(408) 776-6480 FAX (408) 779-7236

DRAWN: BF
CHECKED: JK
APPROVED: [Signature]
SCALE HOR: 1"=20'
SCALE VERT: 1"=2'
JOB NO: SJ-17101
DATE: 09/25/2020

SUPERVISED BY: [Signature]
DATE: 09/25/2020



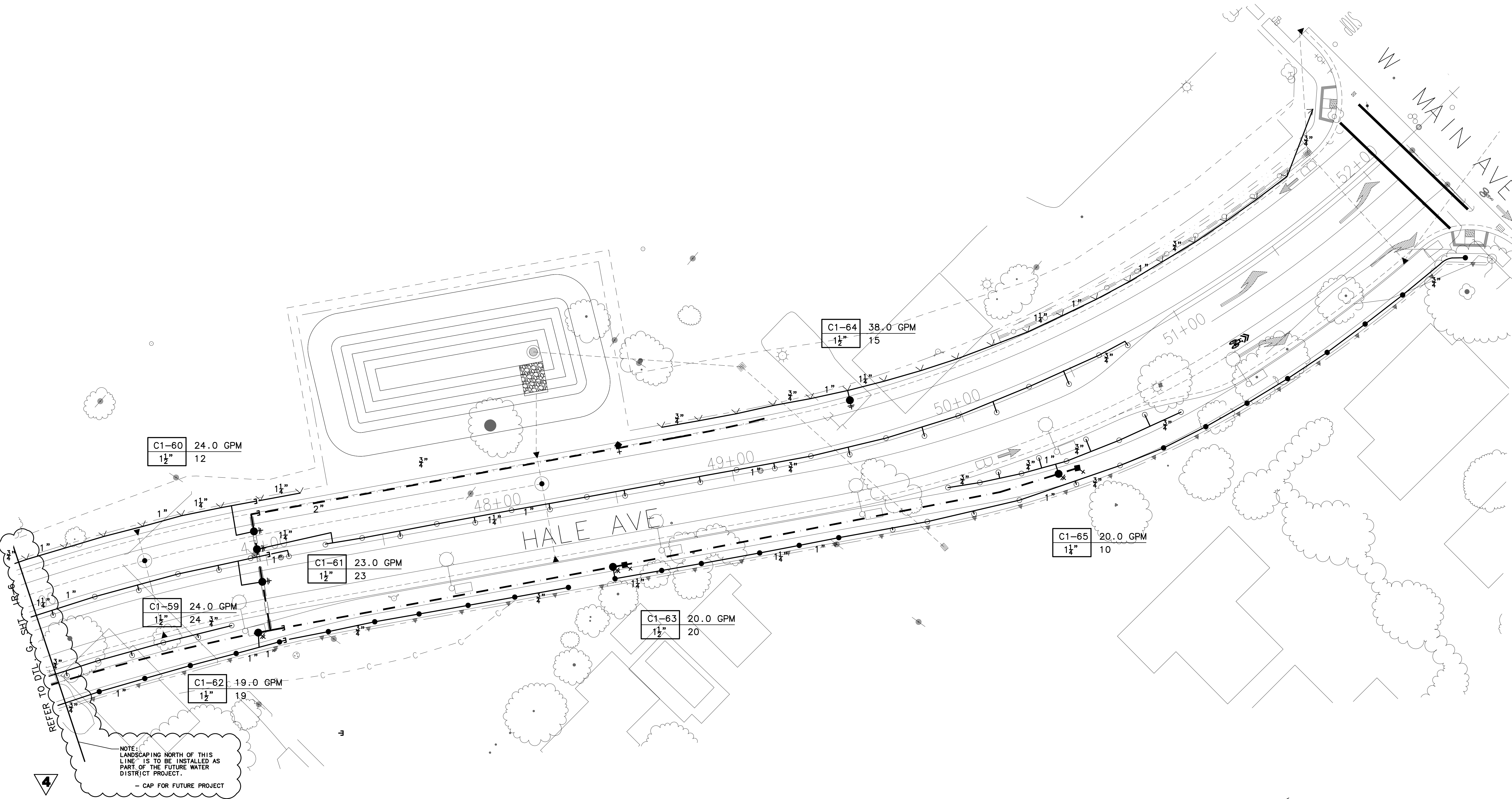
MARK THOMAS

RETAINING WALL #1, #2 & #3
PLAN & ELEVATION
IMPROVEMENT PLANS FOR
HALE AVE EXTENSION

MORGAN HILL CALIFORNIA

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



BID SUBMITTAL

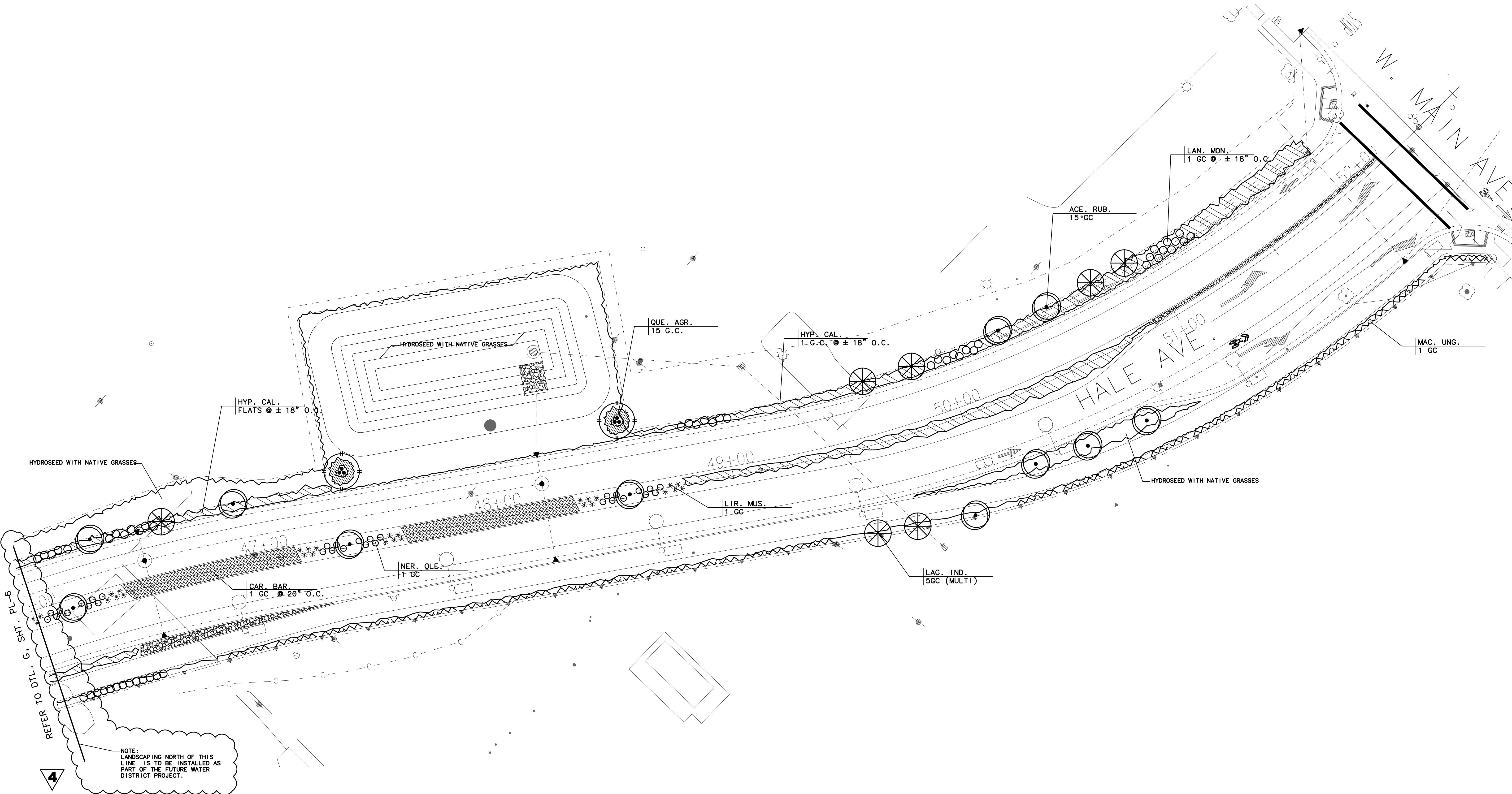


H IRRIGATION PLAN – SECTION H

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.

SCALE: 1" = 20'-0"

NO. DESCRIPTION DATE BY				WORK ACCEPTED: INSPECTOR:	 City of Morgan Hill Public Works Department PEAK AVE. MORGAN HILL, CA FAX	DRAWN: R.R. CHECKED: DATE: 10-23-2020	DESIGN: R.C.G. DATE: 10-23-2020	SCALE HOR. SCALE VERT. OB NO. S	SUPERVISED BY: <i>Peed C. Crandall</i> DATE:	 Phoenix Design Group, LLP Landscape Architecture 195 Scheller Ave. Morgan Hill, CA Ph: 408.390.0777	IRRIGATION PLAN IMPROVEMENT PLANS FOR MORGAN HILL HALE AVE EXTENSION CALIFORNIA	CITY FILE NO. 504E02 PLAN SET: DRAWING: IR-7A 100 OF 100
REVISIONS				AS-BUILT CORRECTIONS		APPROVED: <i>Scott Orner</i> CITY ENGINEER EXP. DATE: 6-30-21	SIGNATURE: <i>Peed C. Crandall</i> DATE:					




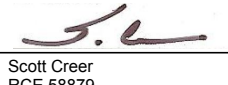


H

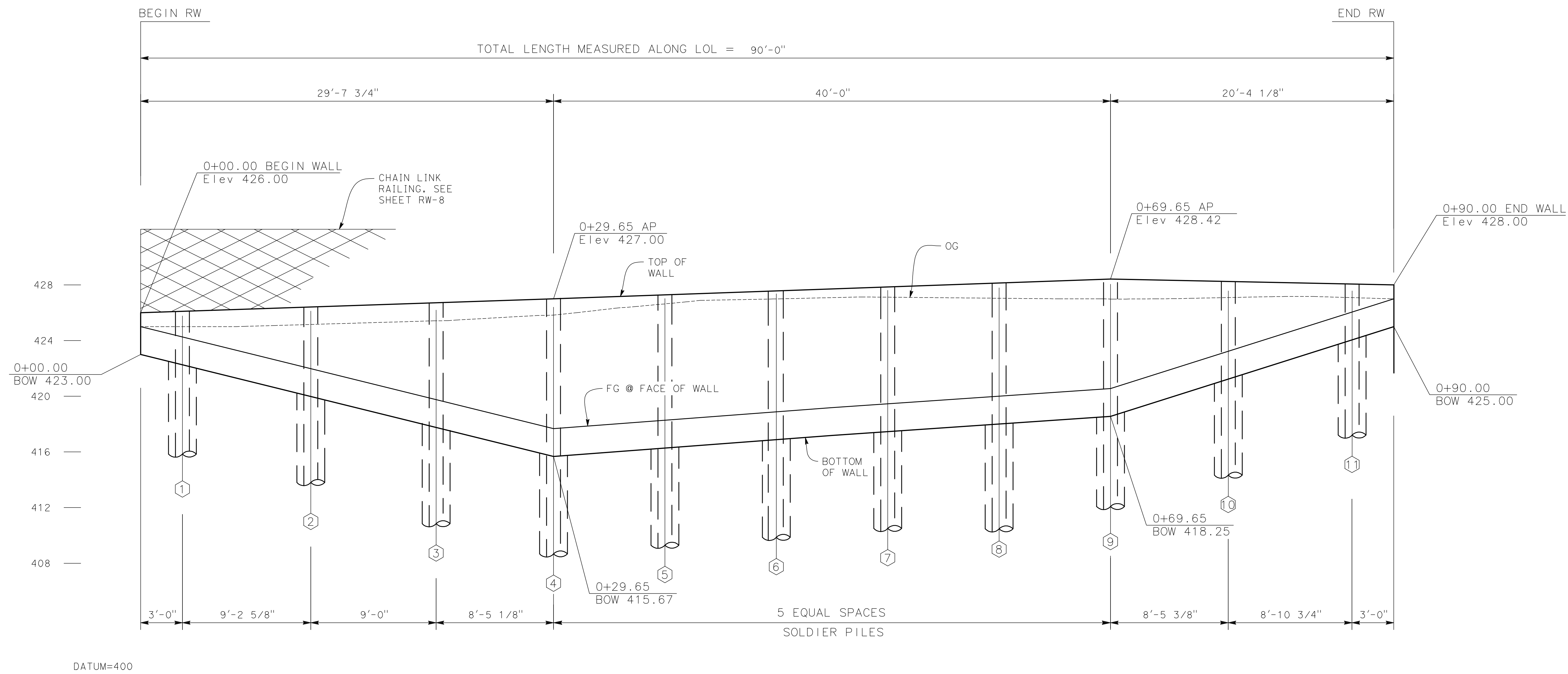
PLANTING PLAN – SECTION H

SCALE: 1" = 20'-0"

0 10' 20' 40'

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: _____		INSPECTOR: _____	
				AS-BUILT CORRECTIONS			
NO.	DESCRIPTION	DATE	BY	DATE			
REVISIONS							
 City of Morgan Hill Public Works Department				DRAWN: R.R. DESIGN: R.C.G. SCALE HOR: _____ CHECKED: _____ DATE: _____ SCALE VERT: _____ APPROVED:  DATE: 10-23-2020 JOB NO: S _____ <small>Scott Creer RCE 58879</small> CITY ENGINEER EXP. DATE: 6-30-21			
 City of Morgan Hill 10000 PEAK AVE. MORGAN HILL, CA 95037 _____ FAX _____				 Phoenix Design Group, LLP Landscape Architecture 195 Scheller Ave. Morgan Hill, CA 95037 Ph: 408.390.0777			
PLANTING PLAN				IMPROVEMENT PLANS FOR			
MORGAN HILL				HALE AVE EXTENSION CALIFORNIA			
CITY FILE NO. 504E02				DRAWING: PL-7A			
PLAN SET: _____				108 OF 108			



ELEVATION

NOTES:

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"

BID SUBMITTAL

[illegible]

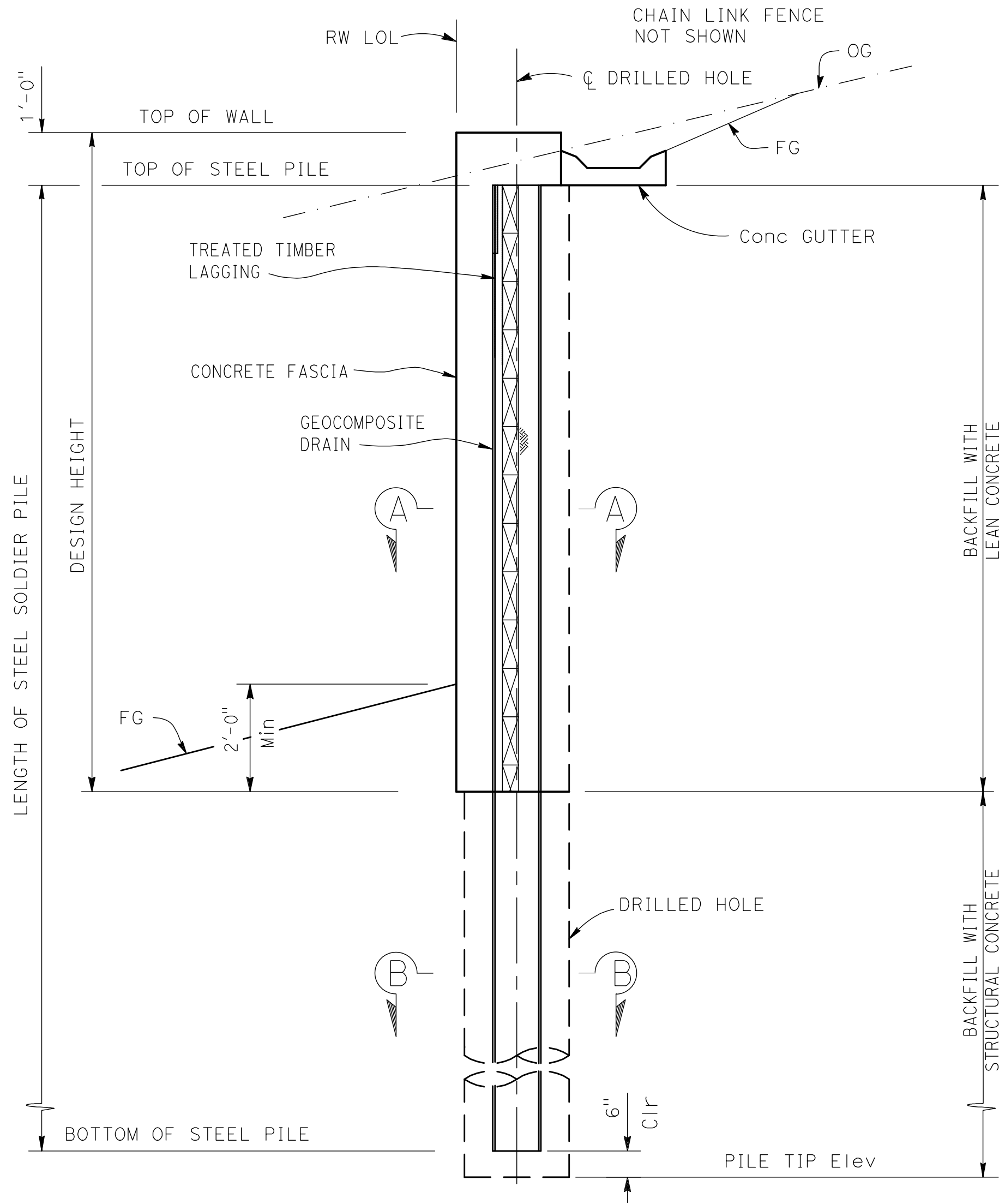
CAL USER: gboyko

PLOT DATE: OCT 26, 2020 10:28:48am

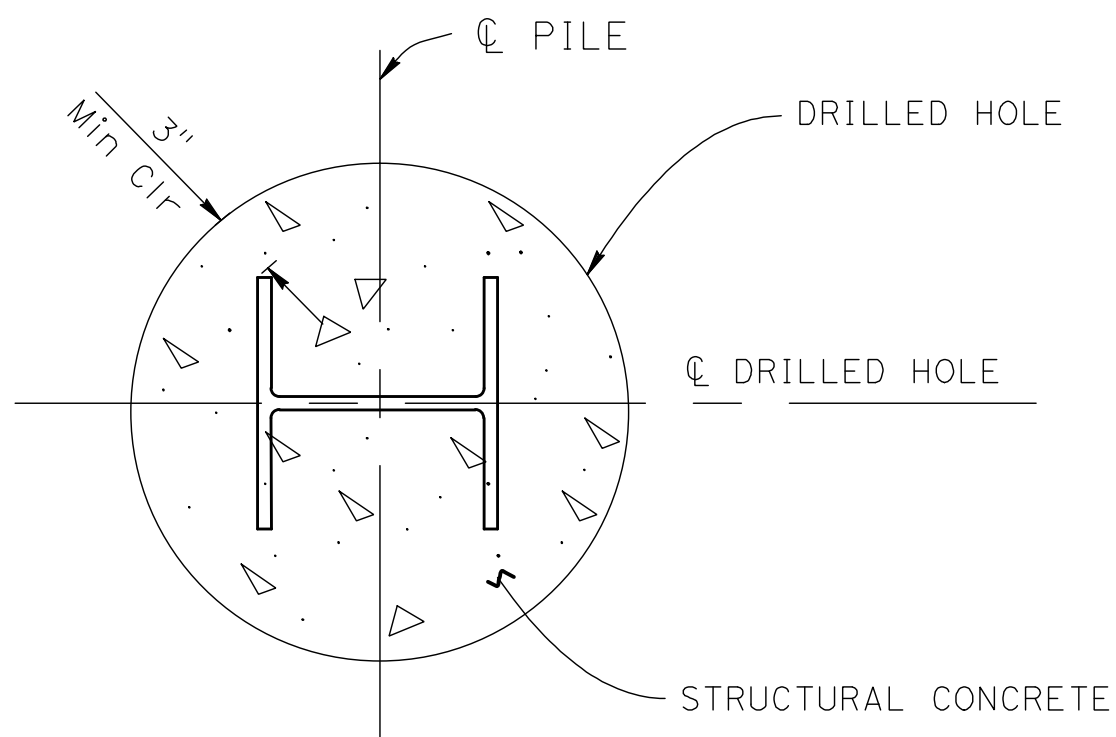
FILE NAME: RETAINING WALL #3-17

Path: J:\morgan hills\5-1710-Hale Avenue Extension\CAD\DWG\Sheets\

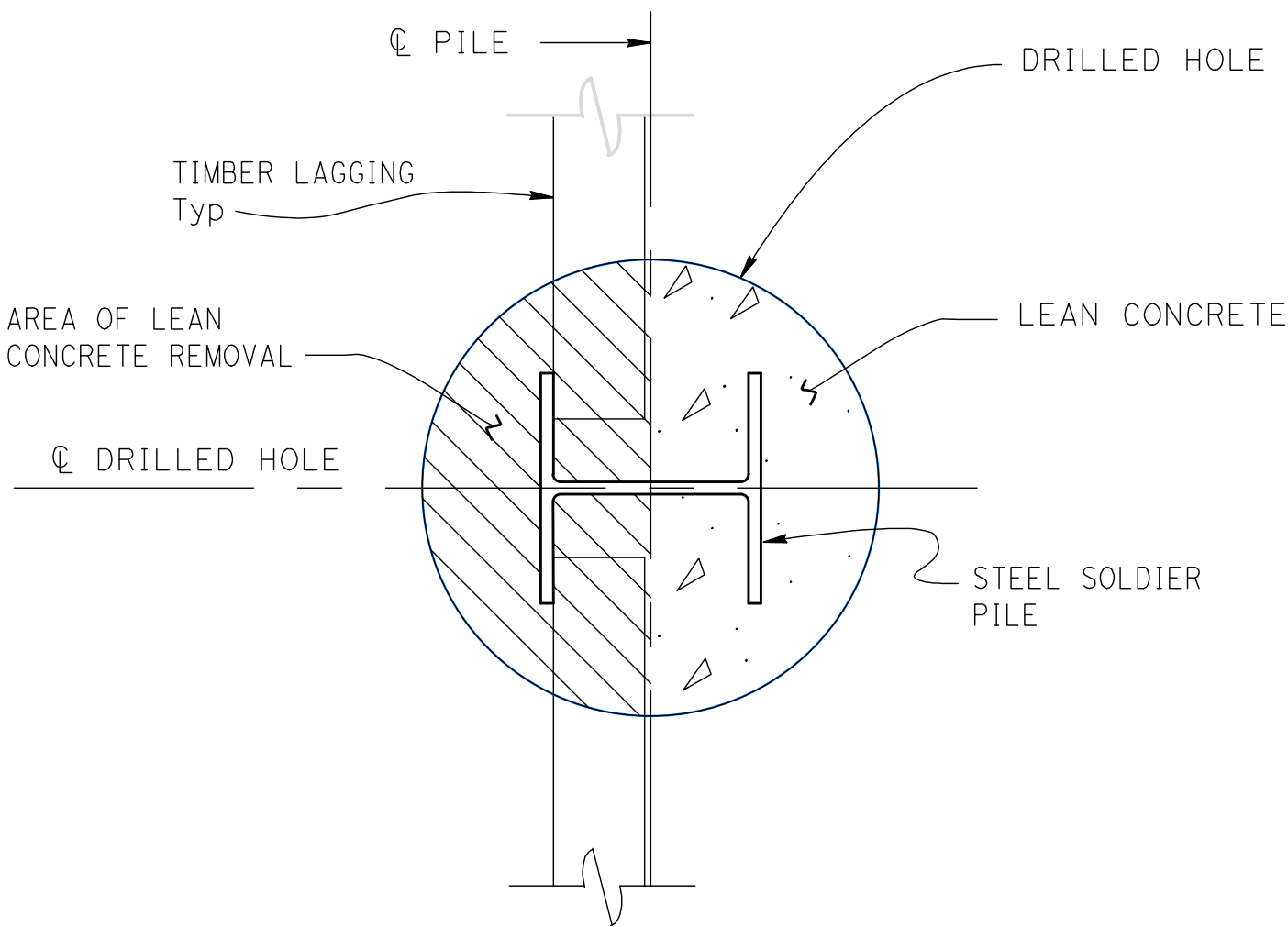
4



TYPICAL SECTION
NO SCALE



SECTION B-B
NO SCALE



SECTION A-A
NO SCALE

NOTES:

1. CLEAN AND PAINT STEEL SOLDIER PILE FROM TOP OF PILE TO 5 FEET, Min BELOW BOTTOM OF LAGGING.
2. FOR LAGGING DETAILS SEE "SOLDIER PILE WALL DETAILS No. 3" SHEET.
3. WELDING MUST COMPLY WITH AMERICAN WELDING SOCIETY (AWS) D1.5.
4. STRUCTURAL CONCRETE BACKFILL SHALL MEET REQUIREMENT OF SPECIFICATION SECTION 19-3.02 G.
5. STRUCTURE BACKFILL SHALL BE COMPACTED TO 90% RELATIVE COMPACTION PER SPECIFICATION SECTION 19-3.02 B.
6. REFER TO SPECIFICATION SECTION 19-3.02 H FOR LEAN CONCRETE BACKFILL.
7. REFER TO "SOLDIER PILE WALL DETAILS No. 3" SHEET FOR CONCRETE GUTTER DIMENSIONS.
8. DISTANCE FROM RETAINING WALL LAYOUT LINE (RW LOL) TO CENTER OF PILE AND DRILLED HOLE VARIES BASED ON PILE SIZE.
9. REFER TO SPECIFICATION SECTION 49 FOR STEEL SOLDIER PILING.

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°

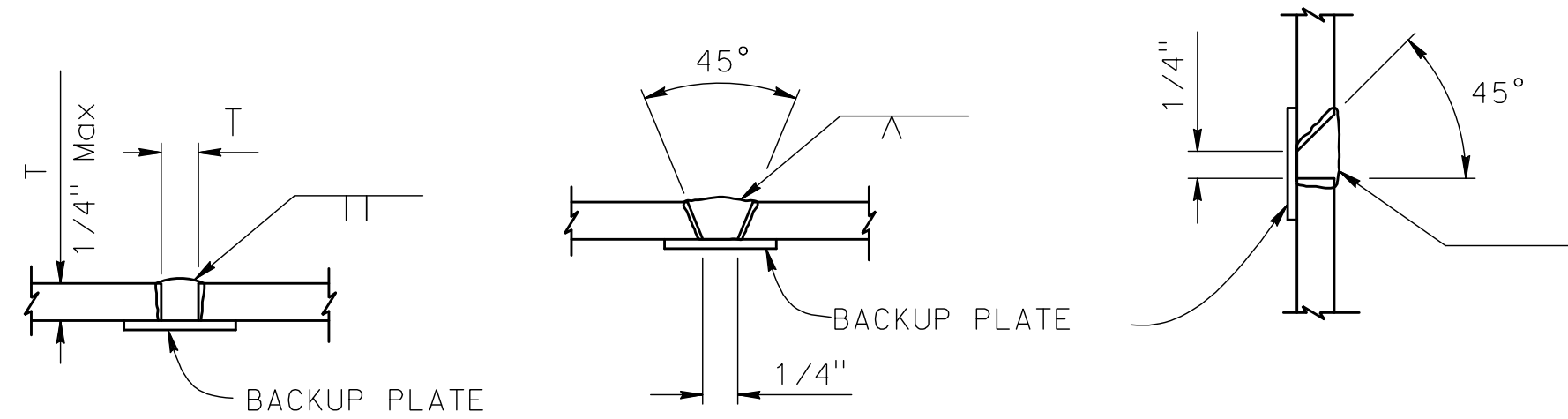
STEEL SOLDIER PILES: ASTM A572/A, ASTM 572M Grade 50 Min

CONCRETE: f'c = 3600 psi
(PILE) fy = 60 ksi

CONCRETE: f'c = 4000 psi
(FASCIA)

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

STEEL STUDS: fy = 49 psi
fu = 61 ksi



SQUARE GROOVE SINGLE VEE-GROOVE SINGLE BEVEL-GROOVE

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

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

BID SUBMITTAL

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



City of Morgan Hill
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.
CHECKED: M. MOORE	DATE: 10/26/2020	SCALE VERT.
APPROVED:	DATE:	JOB NO. SJ-17101
SCOTT C. CREER RCE 58879	DEPUTY DIRECTOR FOR ENGINEERING EXP. DATE 6-30-21	SIGNATURE

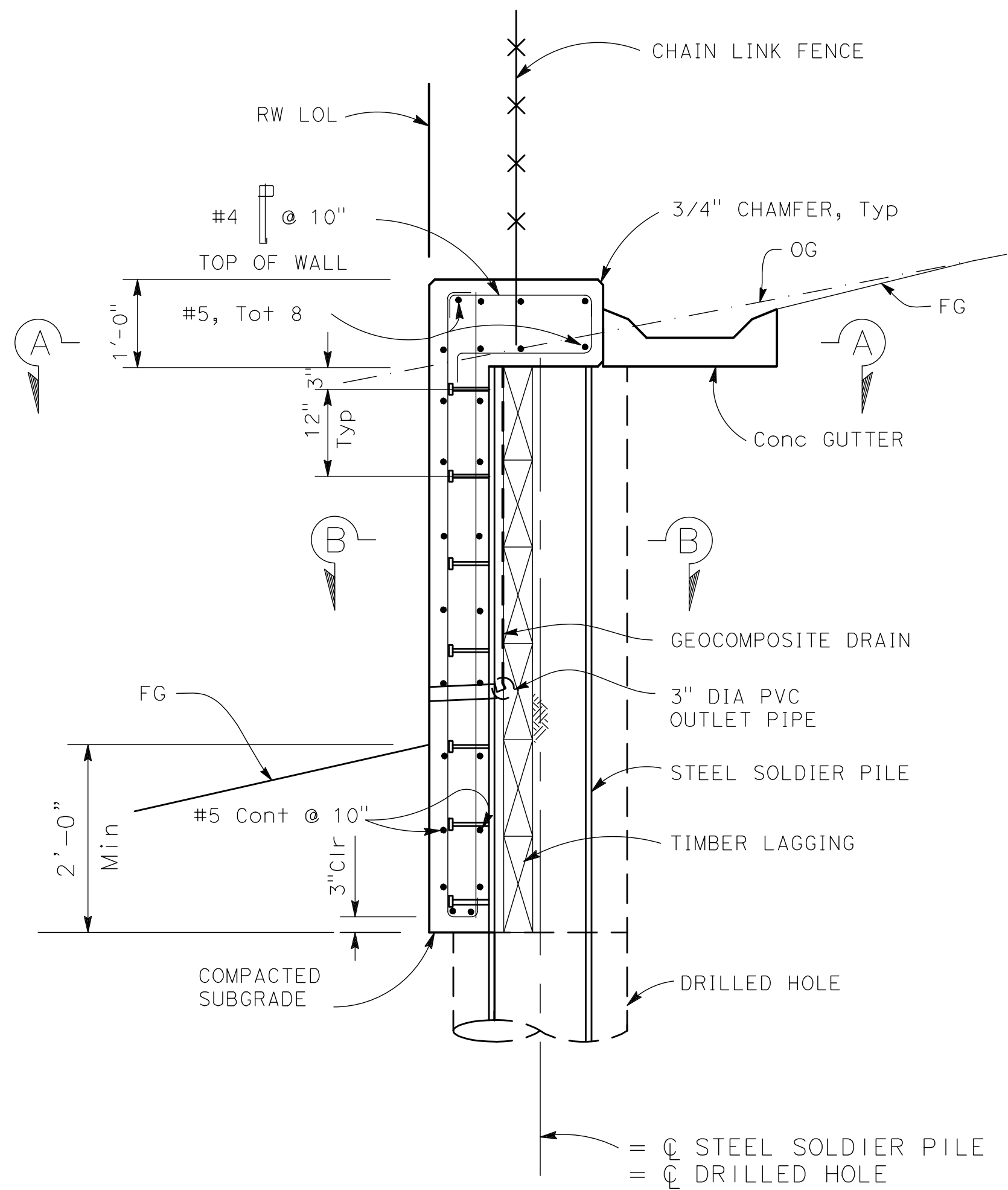
SUPERVISED BY:
MICHAEL W. BIANUCCI
REGISTERED CIVIL ENGINEER
RCE 65008
EXP. DATE 12-31-20



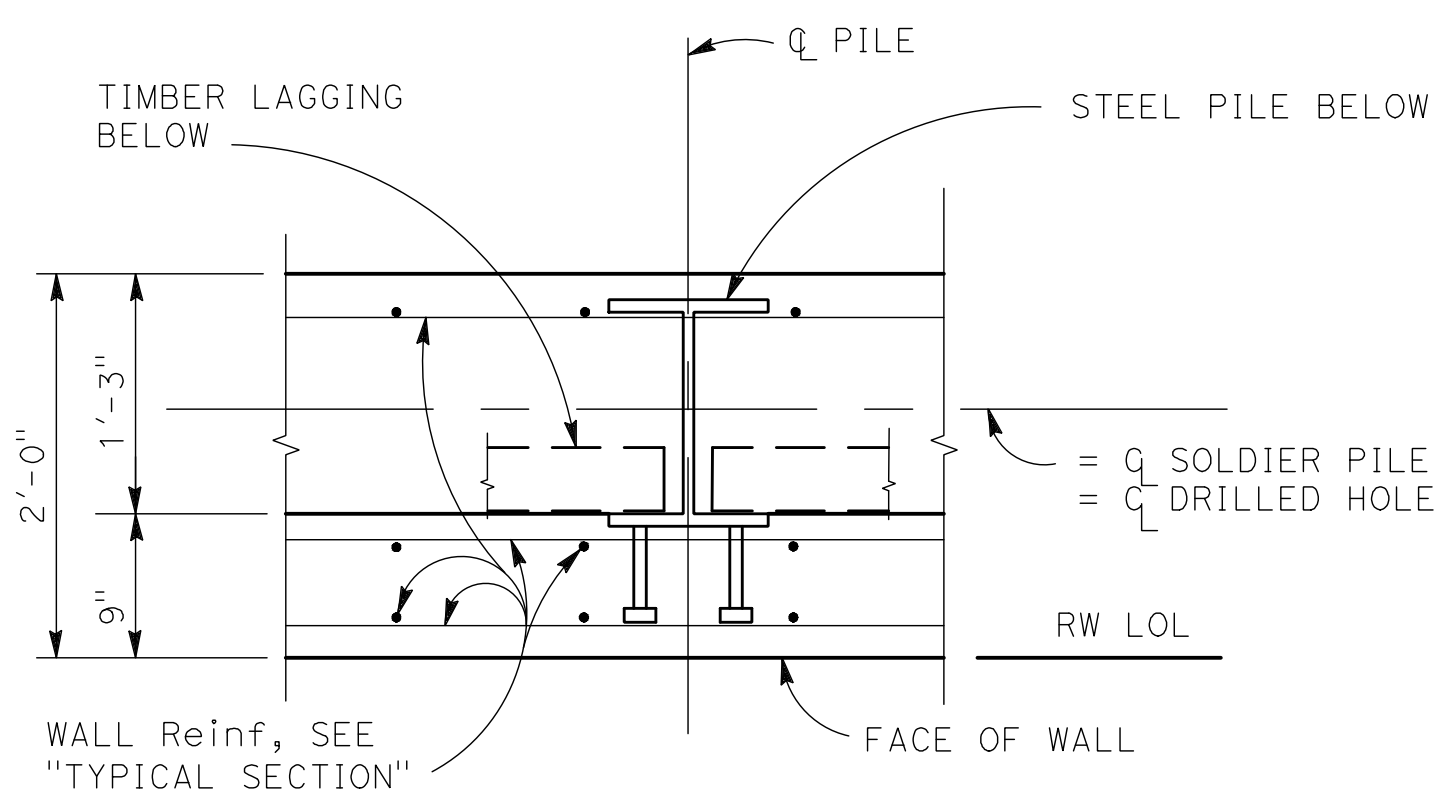
MARK THOMAS

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

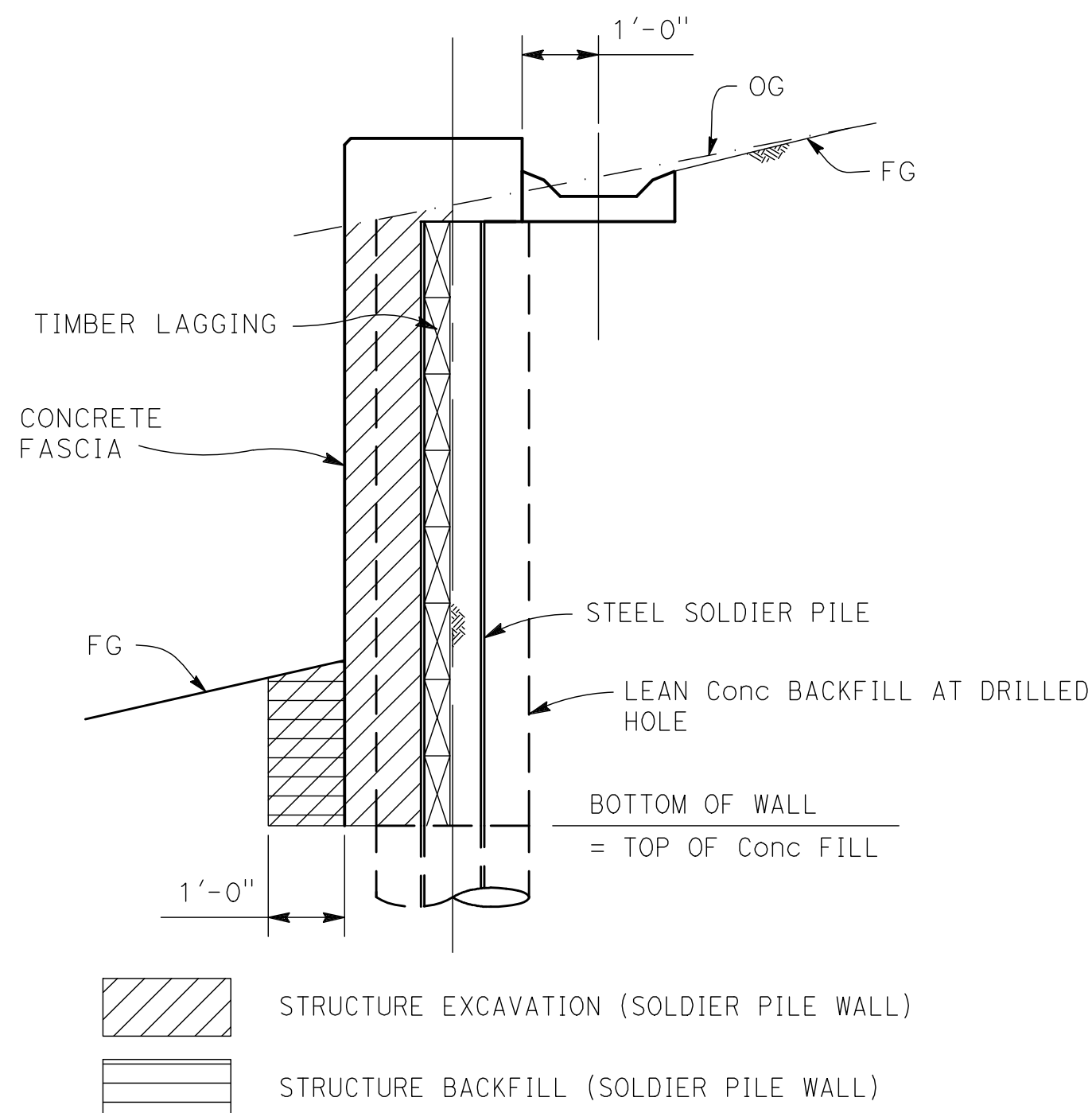
CITY FILE NO. 504E02
PLAN SET: 09/25/2020
DRAWING: RW-1B
66B OF 120



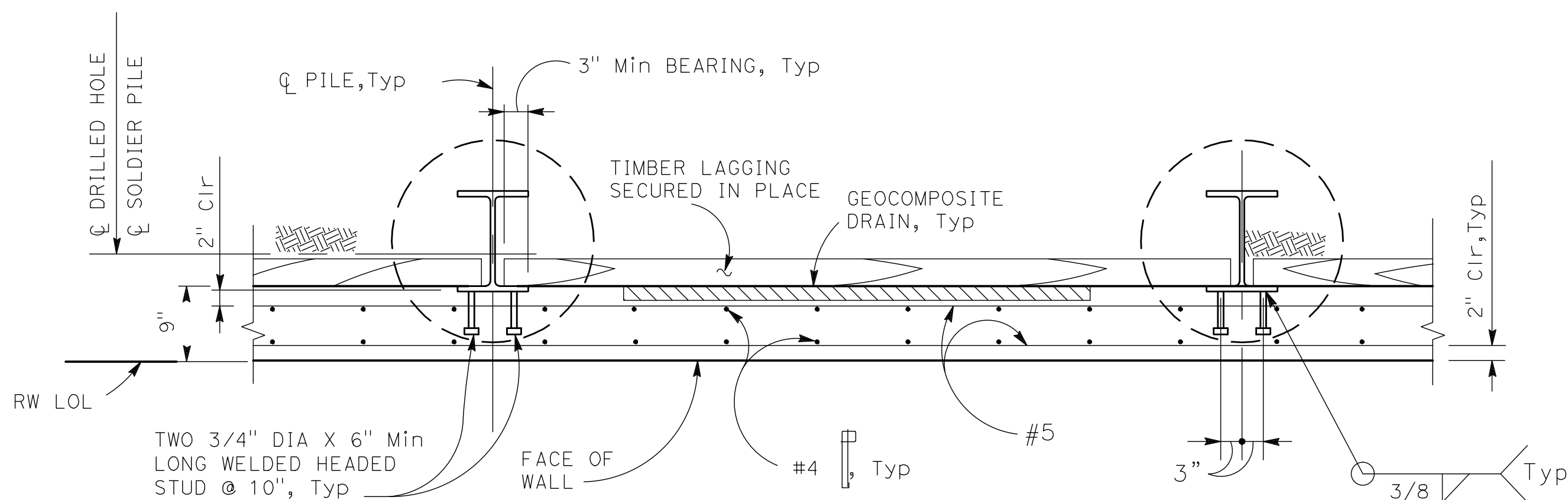
SECTION
SCALE: 3/4"=1'-0"



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

BID SUBMITTAL


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



City of Morgan Hill
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.
CHECKED: M. MOORE	DATE: 10/26/2020	SCALE VERT.
APPROVED:	DATE:	JOB NO. SJ-17101
SCOTT C. CREER RCE 58879	DEPUTY DIRECTOR FOR ENGINEERING EXP. DATE 6-30-21	SIGNATURE

SUPERVISED BY:
MICHAEL W. BIANUCCI
REGISTERED CIVIL ENGINEER
RCE 65085
EXP. DATE 12-31-20





MARK THOMAS

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

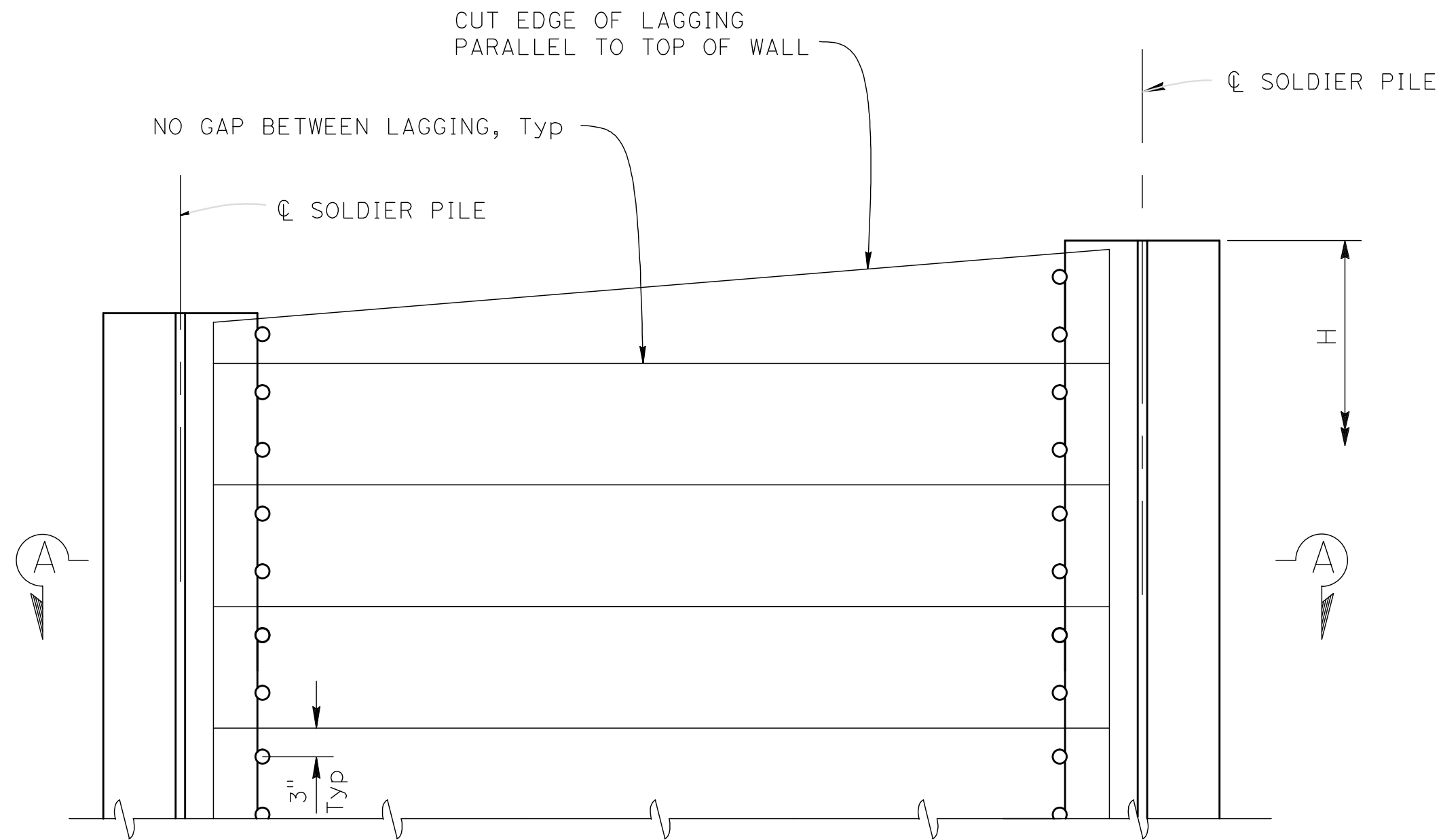
CITY FILE NO.
504E02
PLAN SET:
09/25/2020
DRAWING:
RW-1C
66C OF 120

CAL USER: gboyko
PLOT DATE: OCT 26, 2020 10:59:58am

FILE NAME: RETAINING WALL #3

Path: Morgan Hill-SJ-1701-Hale Avenue Extension CAD/Drawings

4



LAGGING DETAILS - ELEVATION

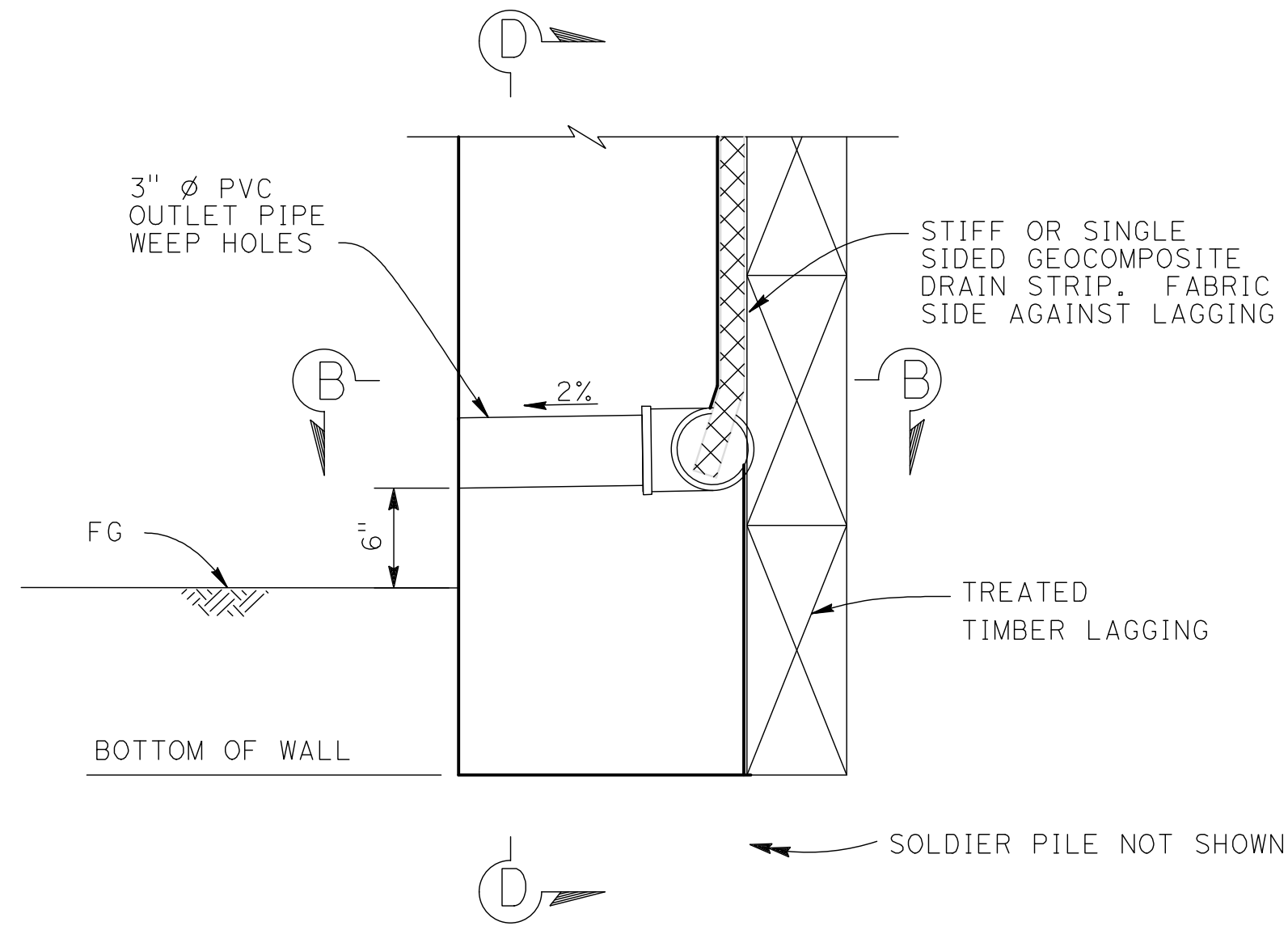
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SECTION A-A

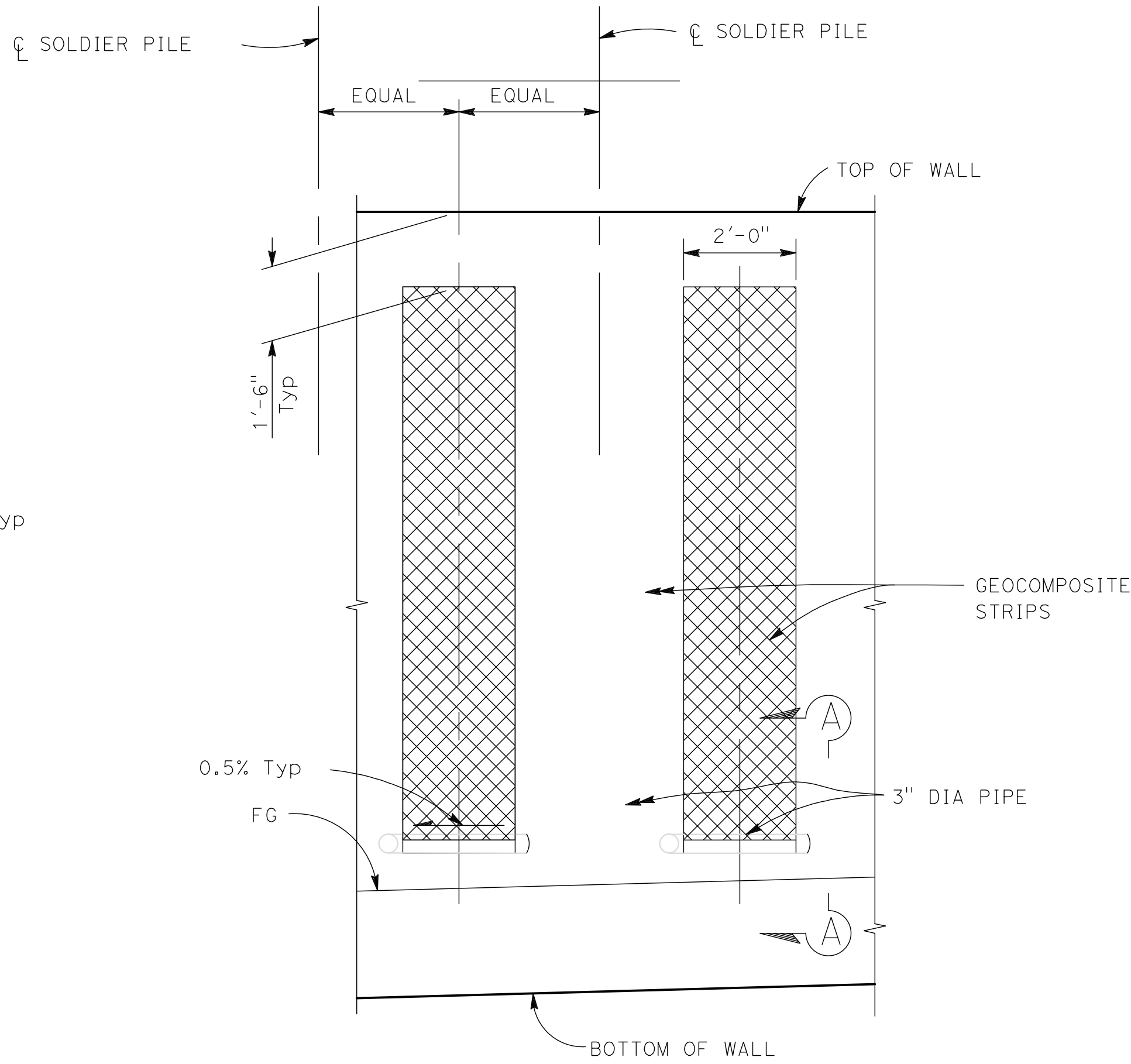
NO SCALE

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 20D GALV WIRE SPIKES FOR TIMBER LAGGING.
4. SPIKES SHALL NOT BE BENT.



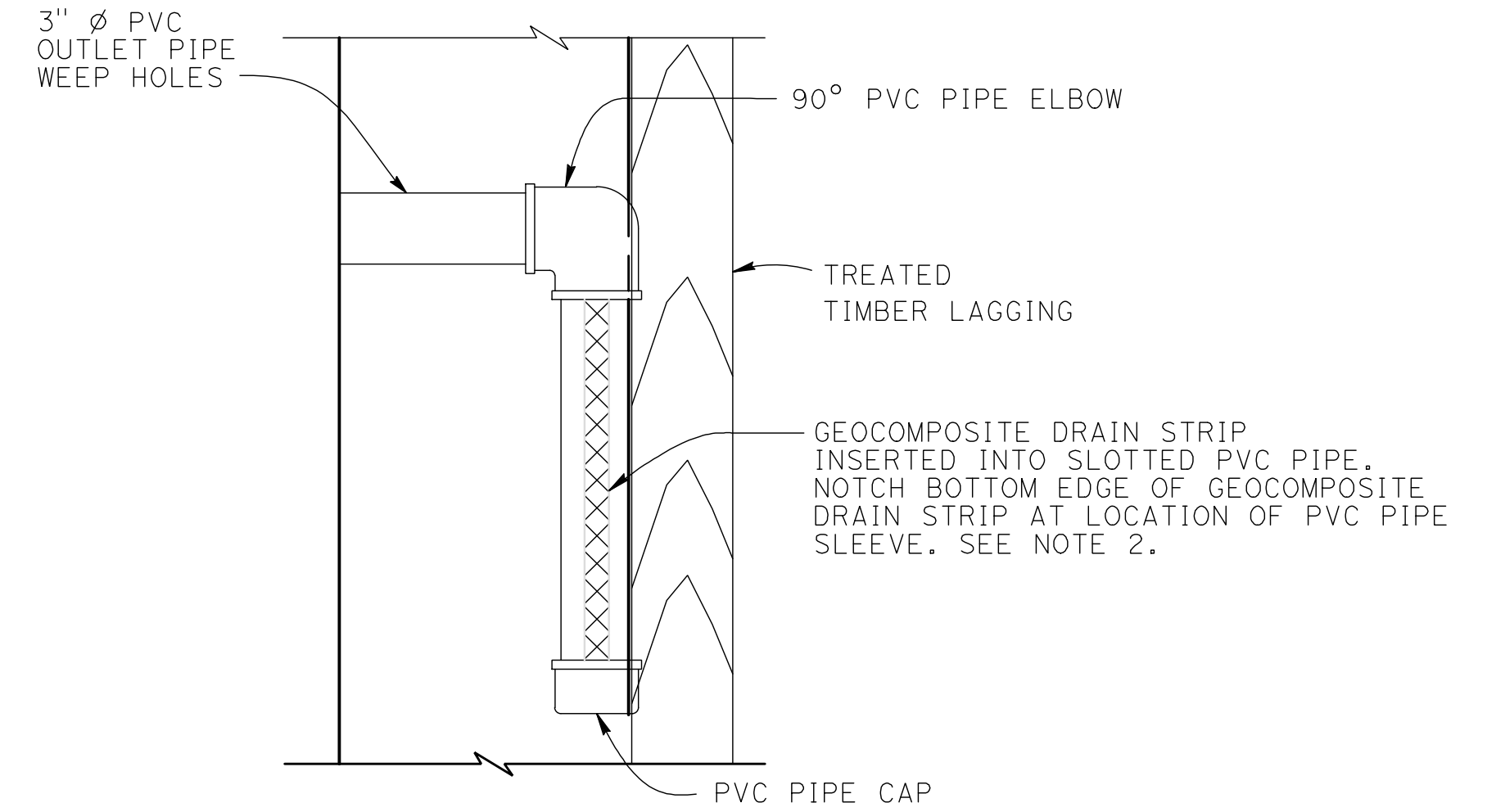
SECTION A-A

NO SCALE



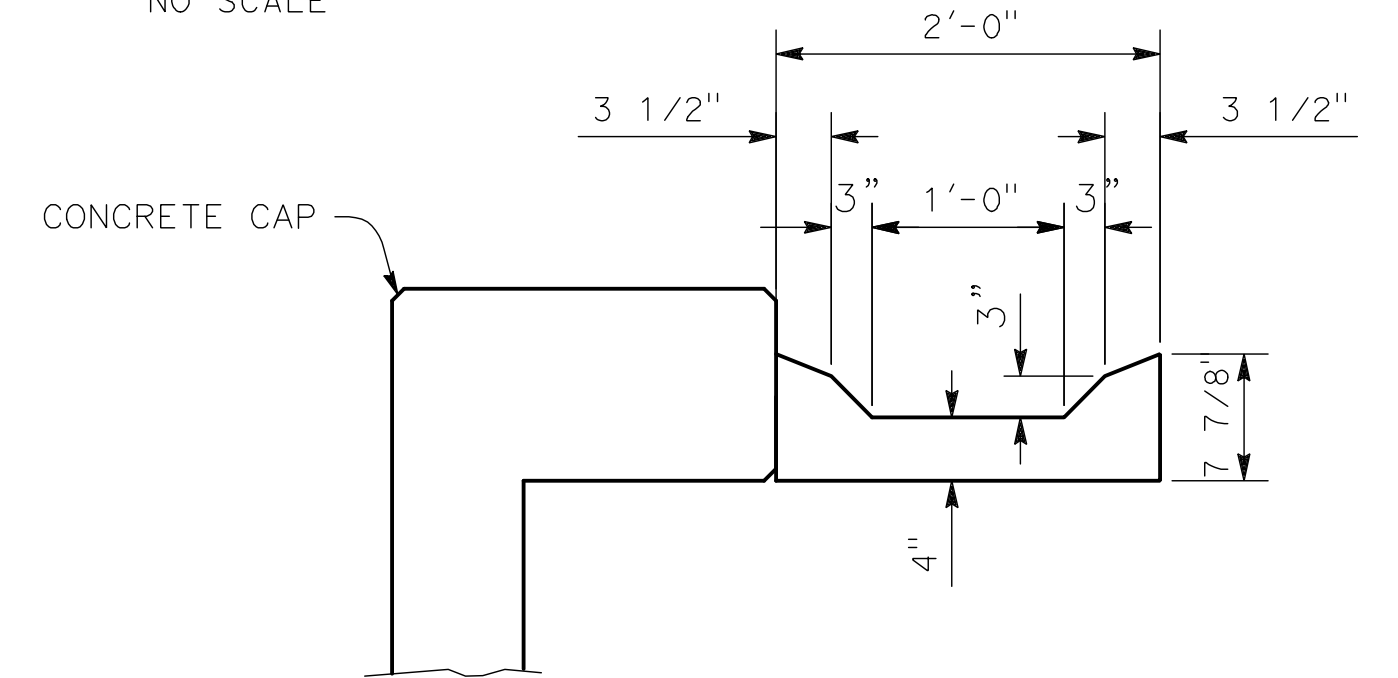
GEOCOMPOSITE DRAIN - ELEVATION

NO SCALE

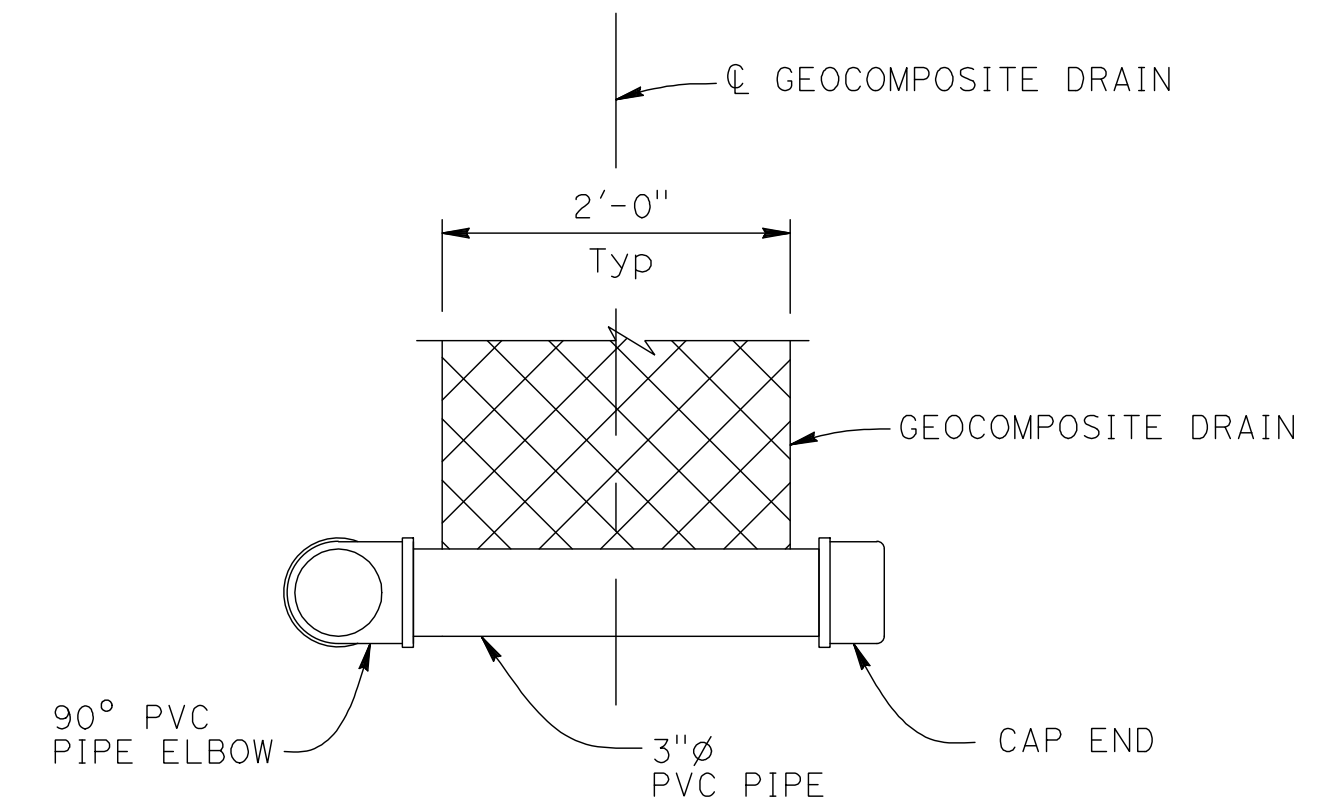


SECTION B-B

NO SCALE



GUTTER DETAIL



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	
NO.	DESCRIPTION			DATE	BY	BY:	DATE:
REVISIONS							



City of Morgan Hill
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:
CHECKED: M. MOORE	DATE: 10/26/2020	SCALE VERT:
APPROVED:	DATE:	JOB NO. SJ-17101
SCOTT C. CREER RCE 58679	DEPUTY DIRECTOR FOR ENGINEERING EXP. DATE 6-30-21	SIGNATURE

SUPERVISED BY:
MICHAEL W. BIANUCCI
REGISTERED CIVIL ENGINEER
RCE 65008
EXP. DATE 12-31-20



MARK THOMAS

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

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

BID SUBMITTAL