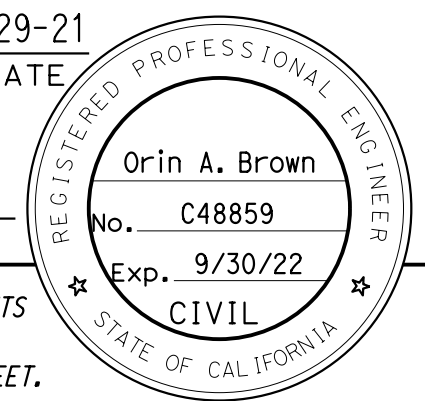


DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
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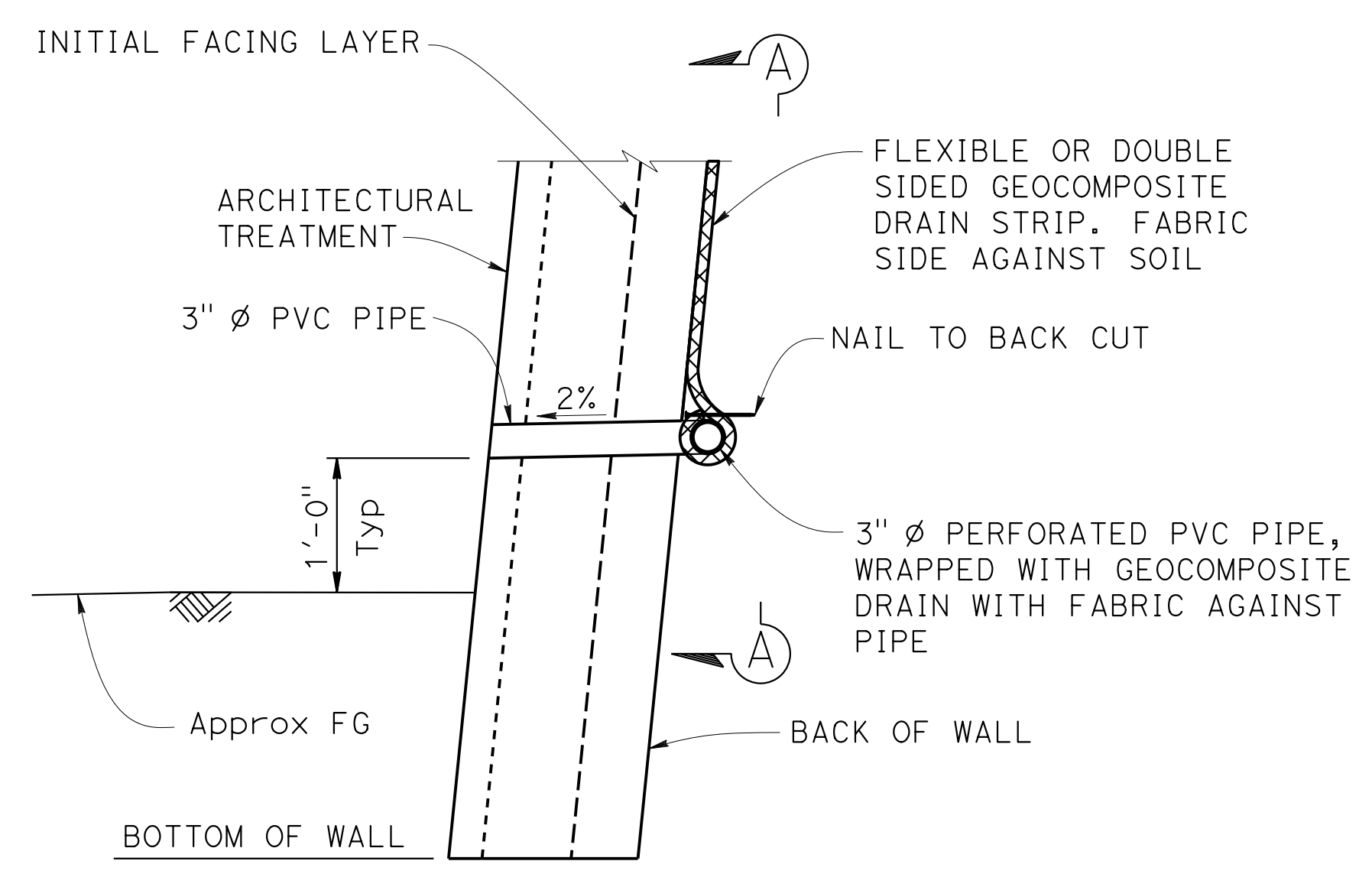
Orin A. Brown
 REGISTERED CIVIL ENGINEER
 DATE: 9-29-21
 October 8, 2021
 PLANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

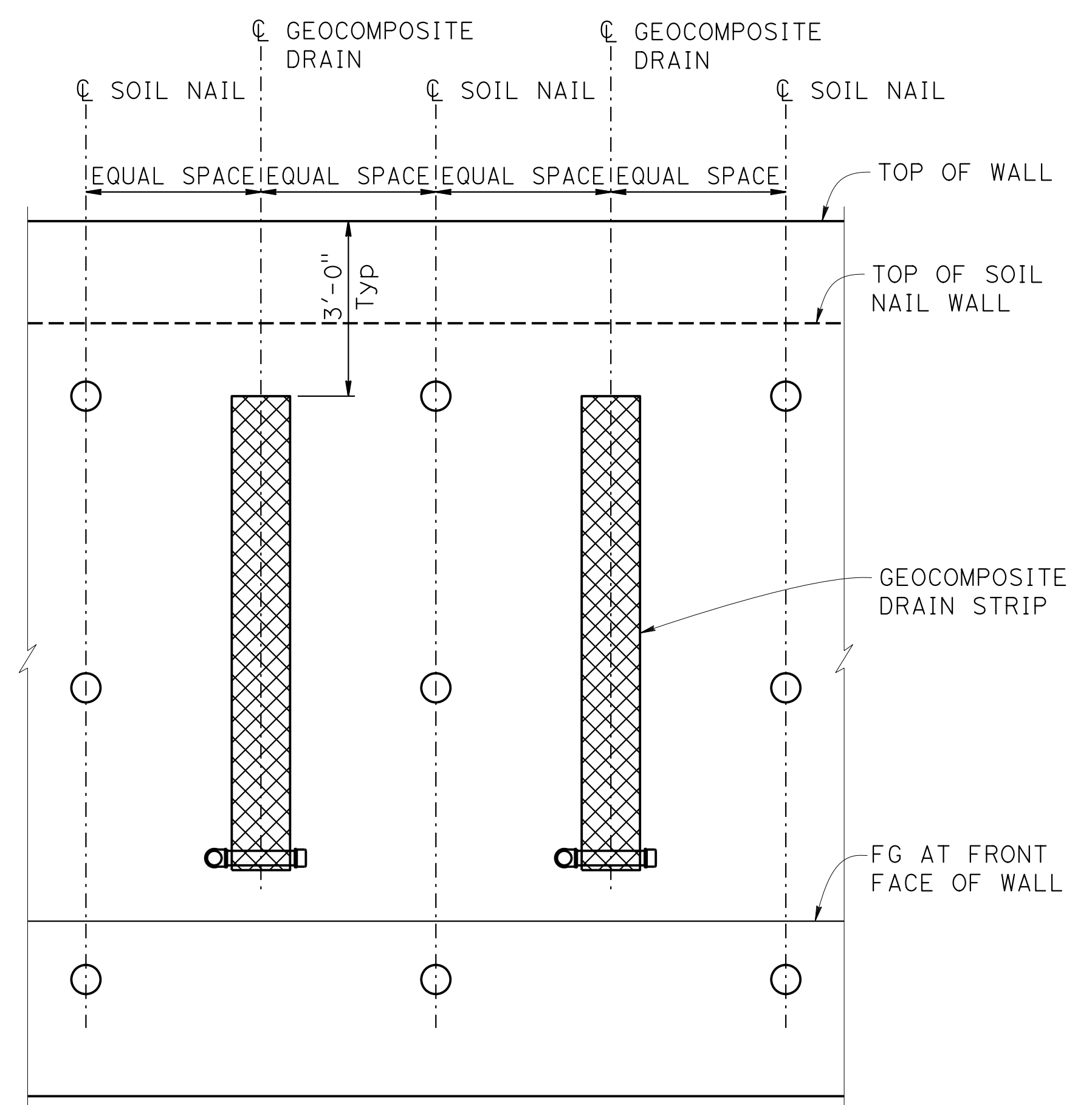


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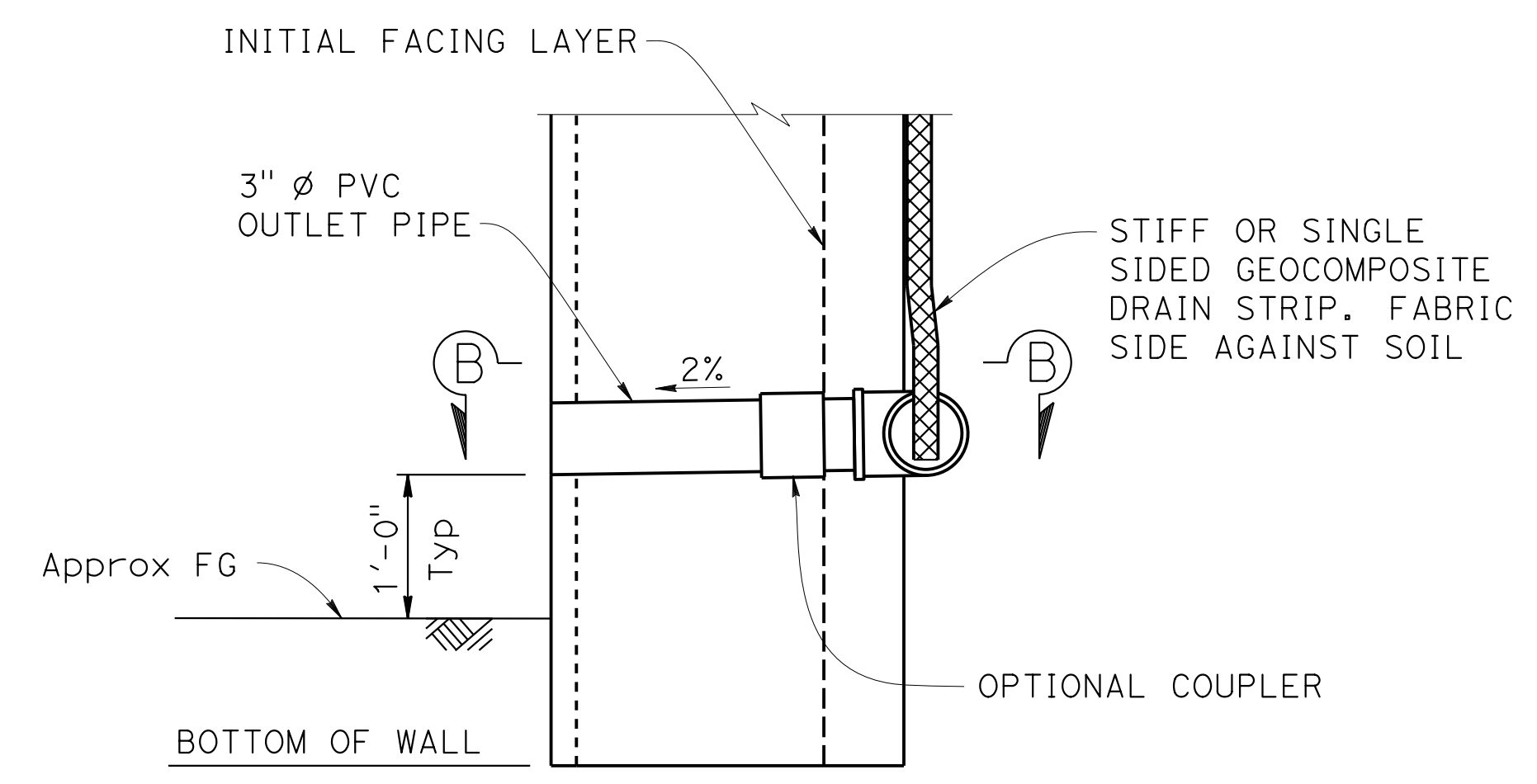
AECOM
 2020 L STREET, SUITE 400
 SACRAMENTO, CA 95811



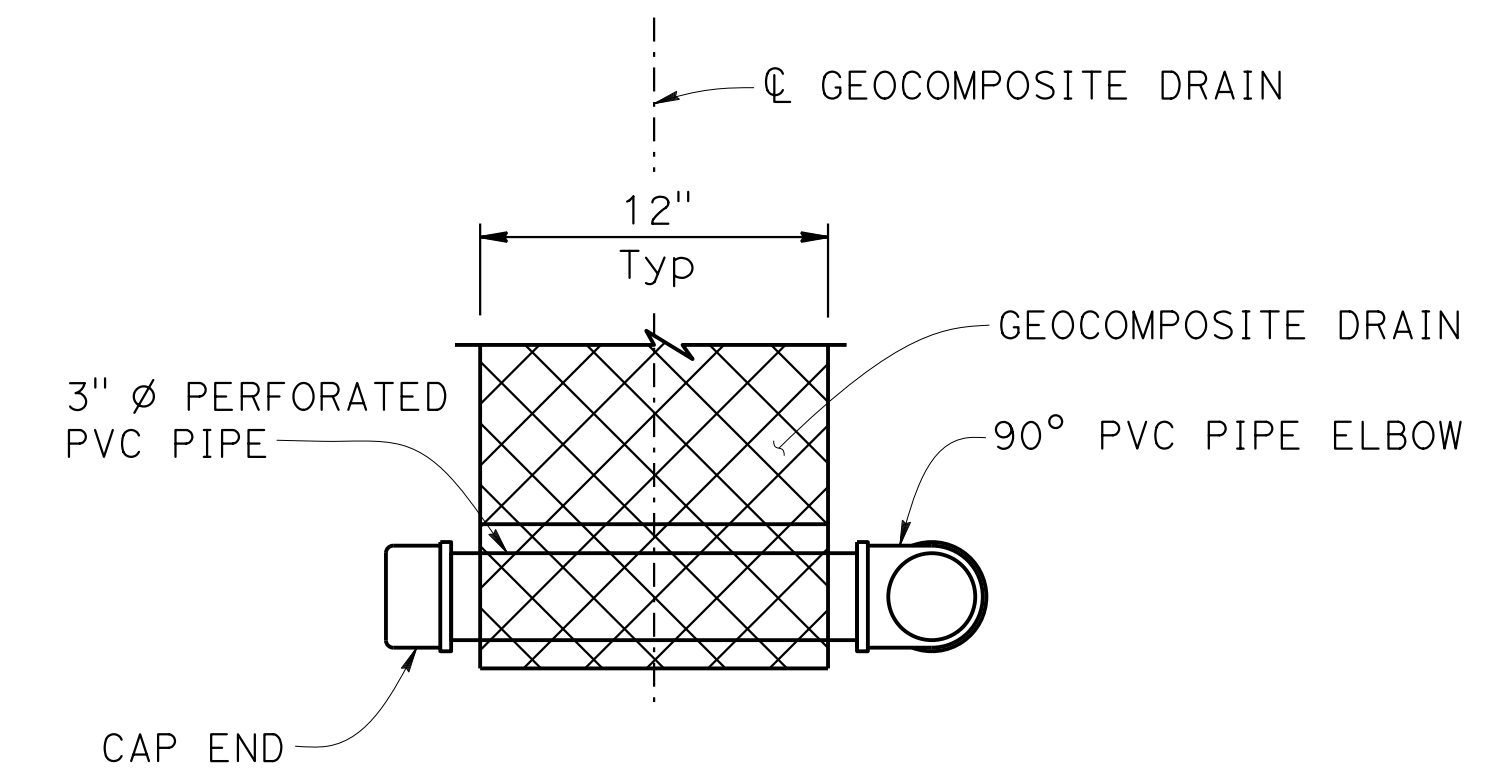
4 WALL DRAIN DETAIL AT WEEPHOLE
OPTION A
 NO SCALE



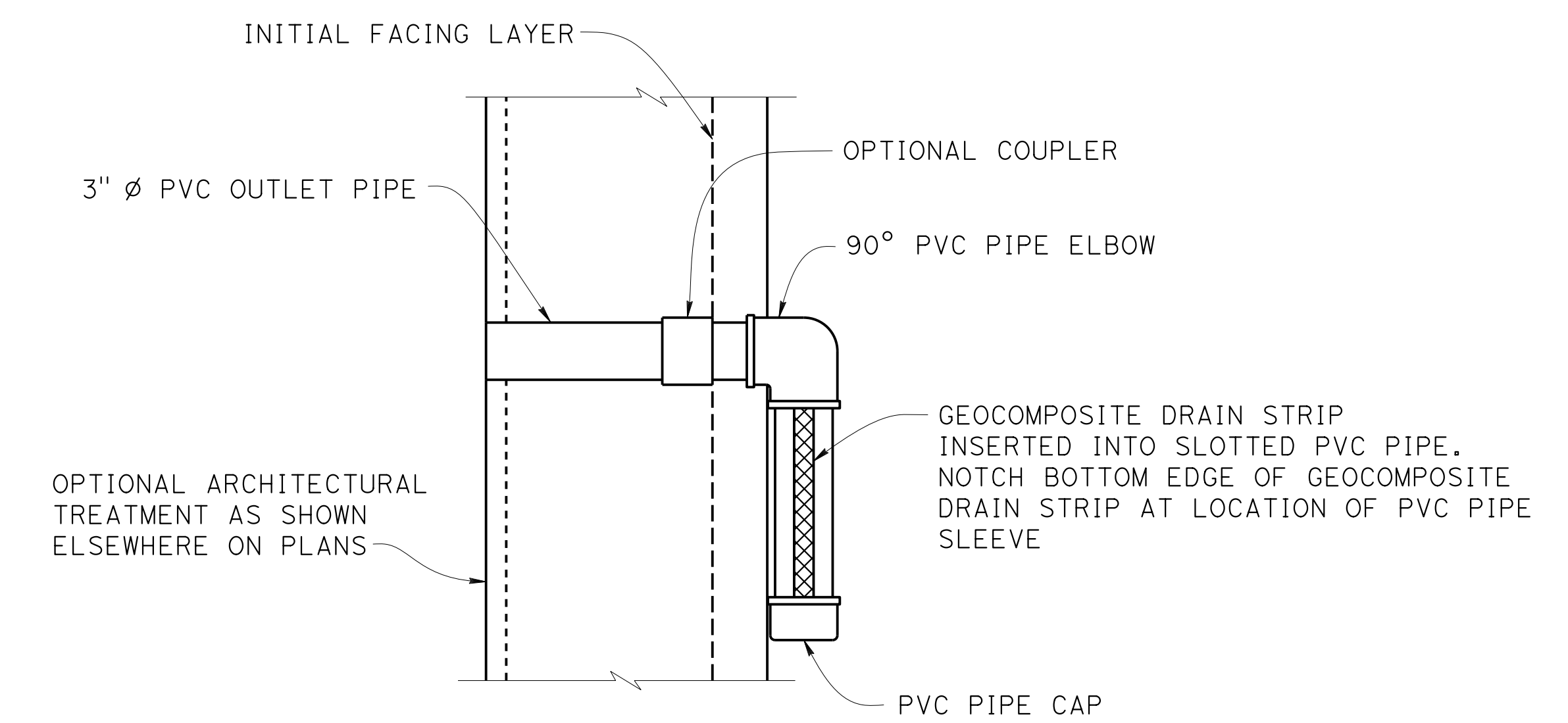
2 PART ELEVATION
 NO SCALE



1 WALL DRAIN DETAIL AT WEEPHOLE
OPTION B
 NO SCALE



VIEW A-A
 NO SCALE



SECTION B-B
 NO SCALE

SPECIAL DETAILS
RETAINING WALL No. 213B
WALL DRAIN DETAILS

BRIDGE STANDARD DETAILS	
xs12-021 FILE NO.	July 2014 APPROVAL DATE

MODIFICATIONS SHOWN:	
1 DETAIL MODIFIED	3 NOTE MODIFIED
2 DETAIL ADDED	4 DETAIL MODIFIED

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

BRIDGE No. 33E0252
POST MILE R14.5

Refer to: <http://www.dot.ca.gov/hq/esc/techpubs/manual/bridgemanuals/bridge-standard-detail-sheets/index.html>


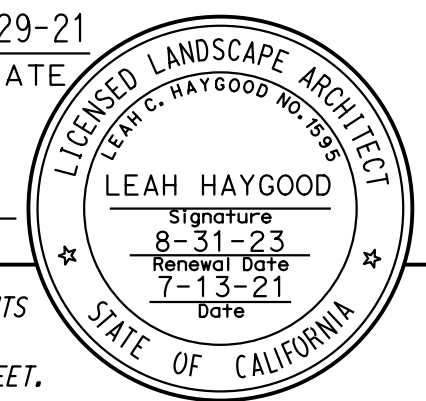
DATE PLOTTED => 9-MAR-2022
 FILE => 33E0252-r-xs12-021.dgn

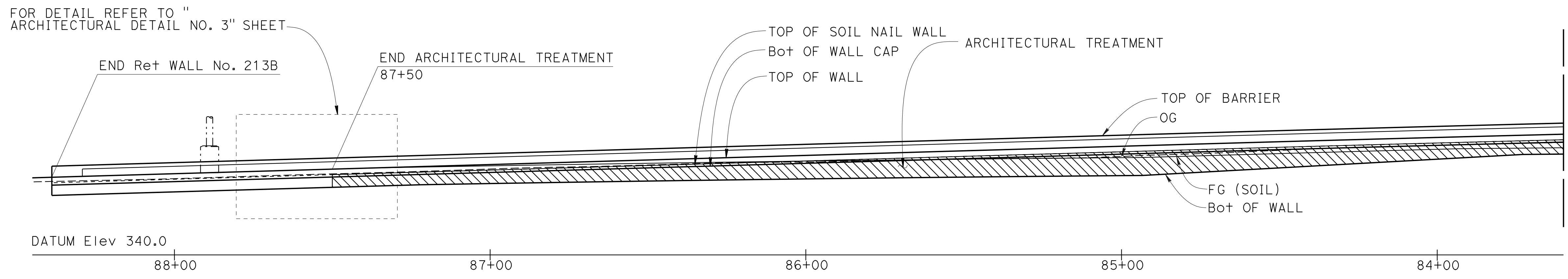
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

UNIT: 0733
 PROJECT NUMBER & PHASE: 04200002351

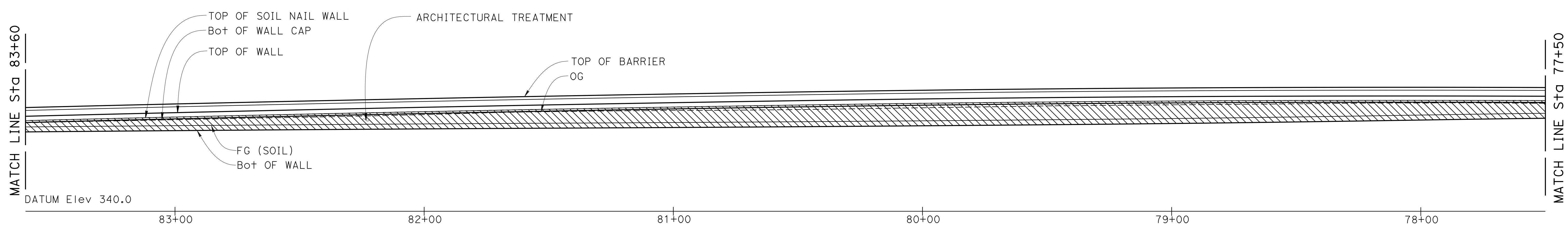
CONTRACT No.: 04-0Q30U4

REVISION DATES	SHEET	OF
8-22-21 9-2-21 09-29-21 1-23-21	29	38

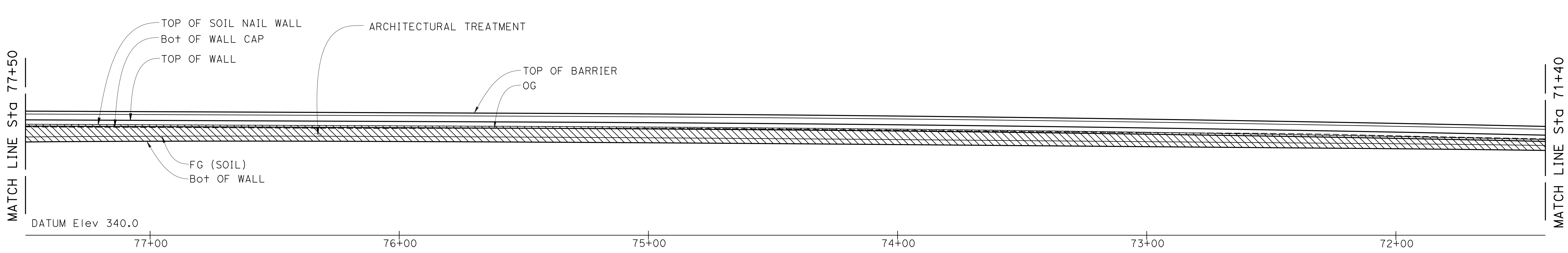
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala, CC	680	R11.0/R21.9, R0.0/0.9	1702	1710
 REGISTERED CIVIL ENGINEER			9-29-21	DATE	
October 8, 2021 PLANS APPROVAL DATE					
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.					
ALAMEDA CTC 1111 BROADWAY, SUITE 800 OAKLAND, CA 94607					
HAYGOOD & ASSOCIATES 647 SANTA BARBARA ROAD BERKELEY, CA 94707					




DEVELOPED ELEVATION (VIEWED FROM FACE OF WALL)
1"=20'



DEVELOPED ELEVATION (VIEWED FROM FACE OF WALL)
1"=20'



DEVELOPED ELEVATION (VIEWED FROM FACE OF WALL)
1"=20'


 DESIGN OVERSIGHT
 Norbert Gee
 2/15/22
 SIGN OFF DATE

DESIGN	BY S. KENNEY	CHECKED L. HAYGOOD
DETAILS	BY S. KENNEY	CHECKED L. HAYGOOD
QUANTITIES	BY W. Bai	CHECKED A. AKI

PREPARED FOR THE
STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

Syed Kazmi
 PROJECT ENGINEER

BRIDGE No.	33E0252
POST MILE	R14.5

RETAINING WALL No. 213B
ARCHITECTURAL DETAILS No. 1

DESIGN DETAIL SHEET (ENGLISH) (REVISION 4/19/2018)

DATE PLOTTED => 9-MAR-2022 TIME PLOTTED => 11:18
 FILE => 33E0252-x-arcdf01.dgn USERNAME => p302438

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS
 0 1 2 3

UNIT: 0733
 PROJECT NUMBER & PHASE: 04200002351

CONTRACT No.: 04-0030U4

DISREGARD PRINTS BEARING EARLIER REVISION DATES

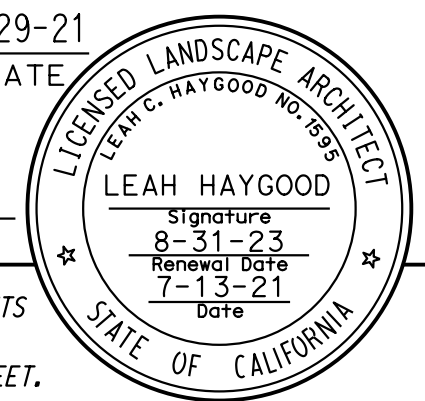
REVISION DATES	SHEET	OF
9-29-21 09-29-21 12-17-21 9-29-21	30	38

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala, CC	680	R11.0/R21.9, R0.0/0.9	1703	1710

Leah Haygood
 REGISTERED CIVIL ENGINEER DATE 9-29-21

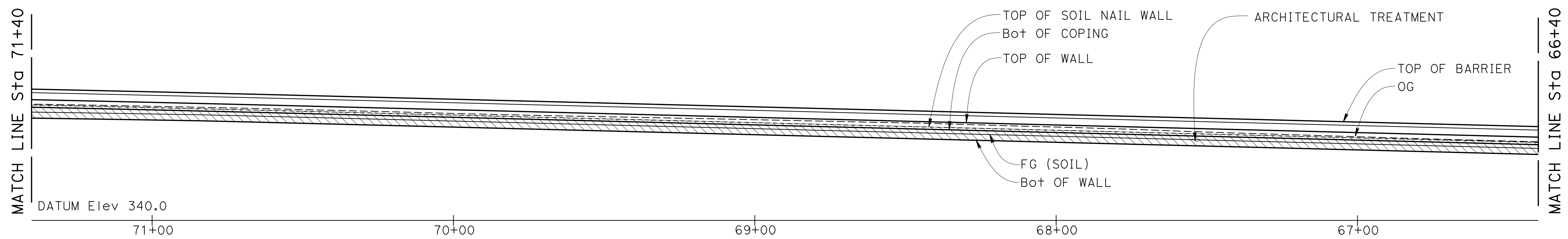
October 8, 2021
 PLANS APPROVAL DATE

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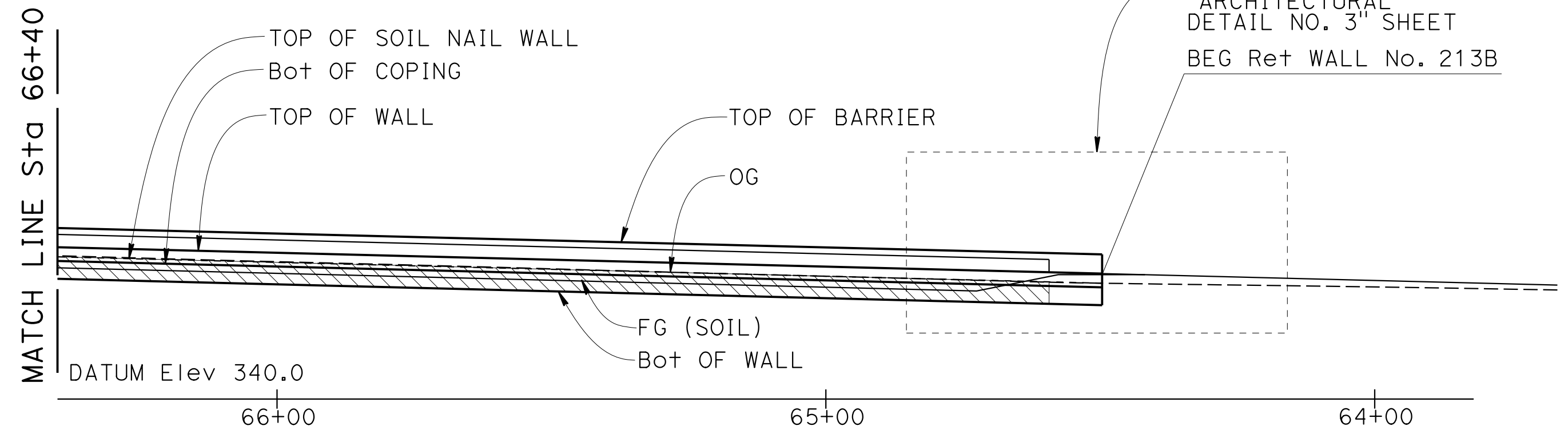


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 OAKLAND, CA 94607

HAYGOOD & ASSOCIATES
 647 SANTA BARBARA ROAD
 BERKELEY, CA 94707



DEVELOPED ELEVATION (VIEWED FROM FACE OF WALL)
 1"=20'



DEVELOPED ELEVATION (VIEWED FROM FACE OF WALL)
 1"=20'

Norbert Gee
 DESIGN OVERSIGHT
 Norbert Gee
 2/15/22
 SIGN OFF DATE

DESIGN	BY S. KENNEY	CHECKED L. HAYGOOD
DETAILS	BY S. KENNEY	CHECKED L. HAYGOOD
QUANTITIES	BY W. Bai	CHECKED A. AKI

**PREPARED FOR THE
 STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION**

Syed Kazmi
 PROJECT ENGINEER

BRIDGE No.	33E0252
POST MILE	R14.5

**RETAINING WALL No. 213B
 ARCHITECTURAL DETAILS No. 2**

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala, CC	680	R11.0/R21.9, R0.0/0.9	1704	1710

Leah Haygood
REGISTERED CIVIL ENGINEER
DATE 9-29-21

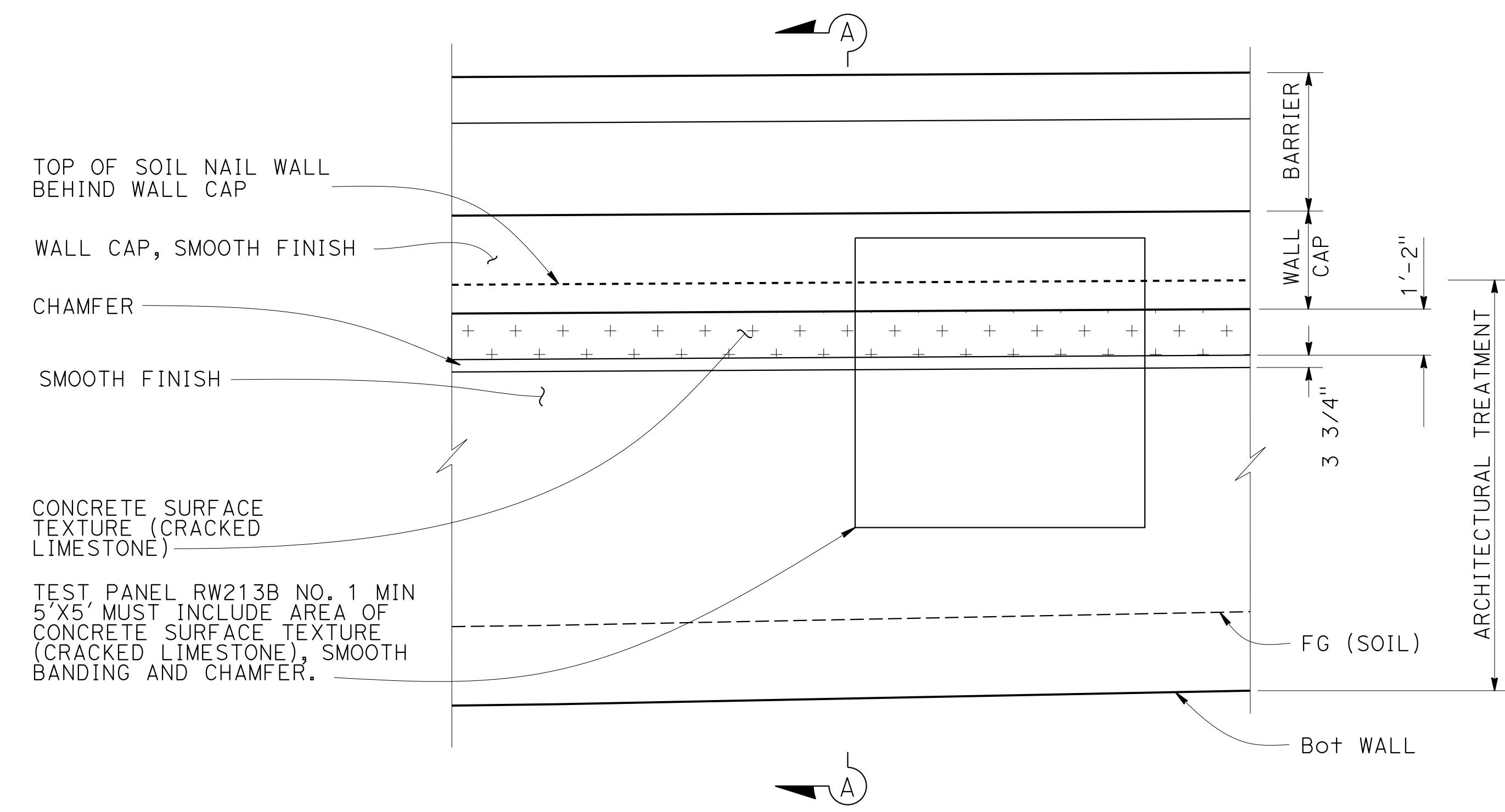
October 8, 2021
PLANS APPROVAL DATE

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OAKLAND, CA 94607

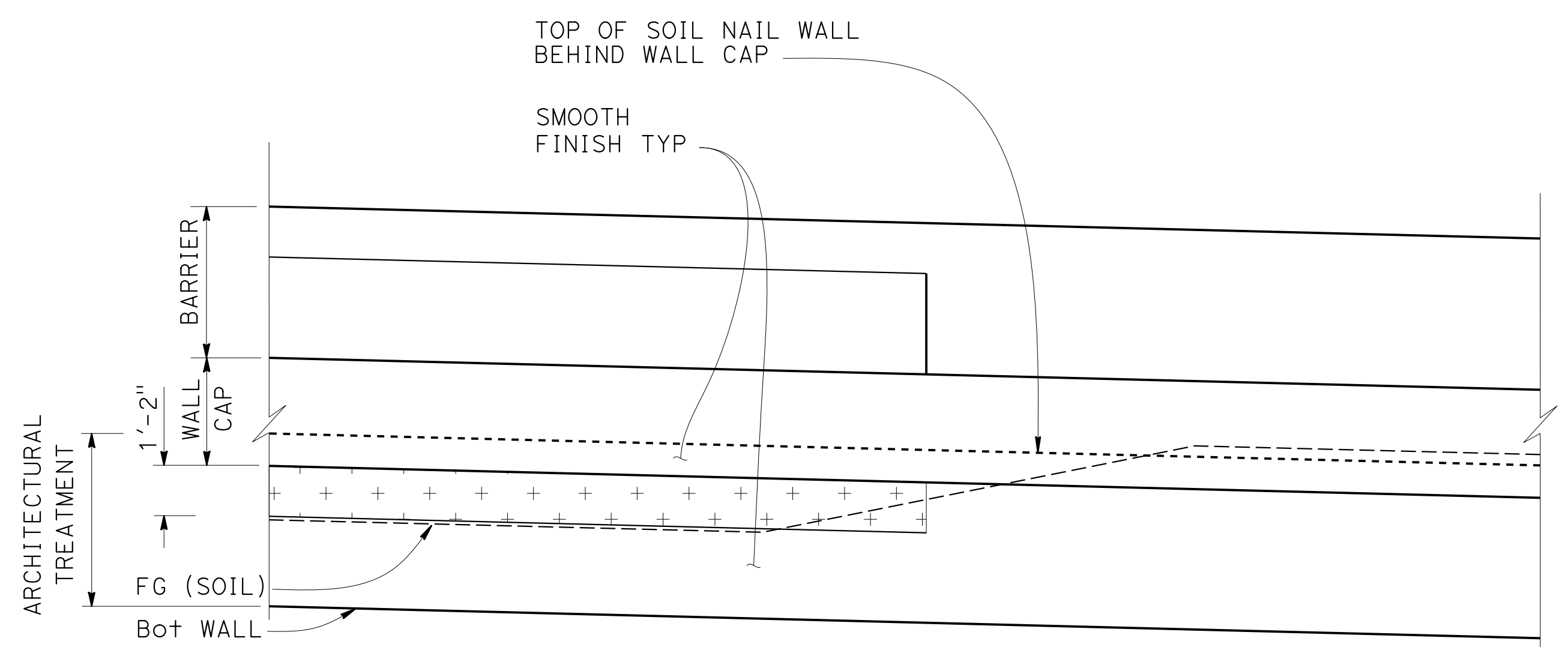
HAYGOOD & ASSOCIATES
647 SANTA BARBARA ROAD
BERKELEY, CA 94707

LICENSED LANDSCAPE ARCHITECT
LEAH HAYGOOD
Signature
8-31-23
Renewal Date
7-13-21
DATE



TYPICAL ELEVATION
3/8" = 1'-0"

- NOTES**
- FOR SECTION A-A SEE "ARCHITECTURAL DETAIL NO. 4" SHEET.
 - WALL CAP MEANS THE CONCRETE BARRIER SLAB SHOWN IN THE RETAINING WALL STRUCTURE PLANS



TYPICAL ELEVATION - Beg OR END OF Ret WALL 213B
3/8" = 1'-0"

Norbert Gee
DESIGN OVERSIGHT
Norbert Gee
2/15/22
SIGN OFF DATE

DESIGN	BY S. KENNEY	CHECKED L. HAYGOOD
DETAILS	BY S. KENNEY	CHECKED L. HAYGOOD
QUANTITIES	BY W. Bai	CHECKED A. AKI

PREPARED FOR THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION

Syed Kazmi
PROJECT ENGINEER

BRIDGE No.	33E0252
POST MILE	R14.5

RETAINING WALL No. 213B
ARCHITECTURAL DETAILS No. 3

DESIGN DETAIL SHEET (ENGLISH) (REVISION 4/19/2018)

DATE PLOTTED => 9-MAR-2022 TIME PLOTTED => 11:18
FILE => 33E0252-x-arcdt03.dgn USERNAME => p302438

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 0733
PROJECT NUMBER & PHASE: 04200002351

CONTRACT No.: 04-0030U4

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES	SHEET	OF
9-29-21 09-29-21 1-13-21 8-28-21	32	38

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
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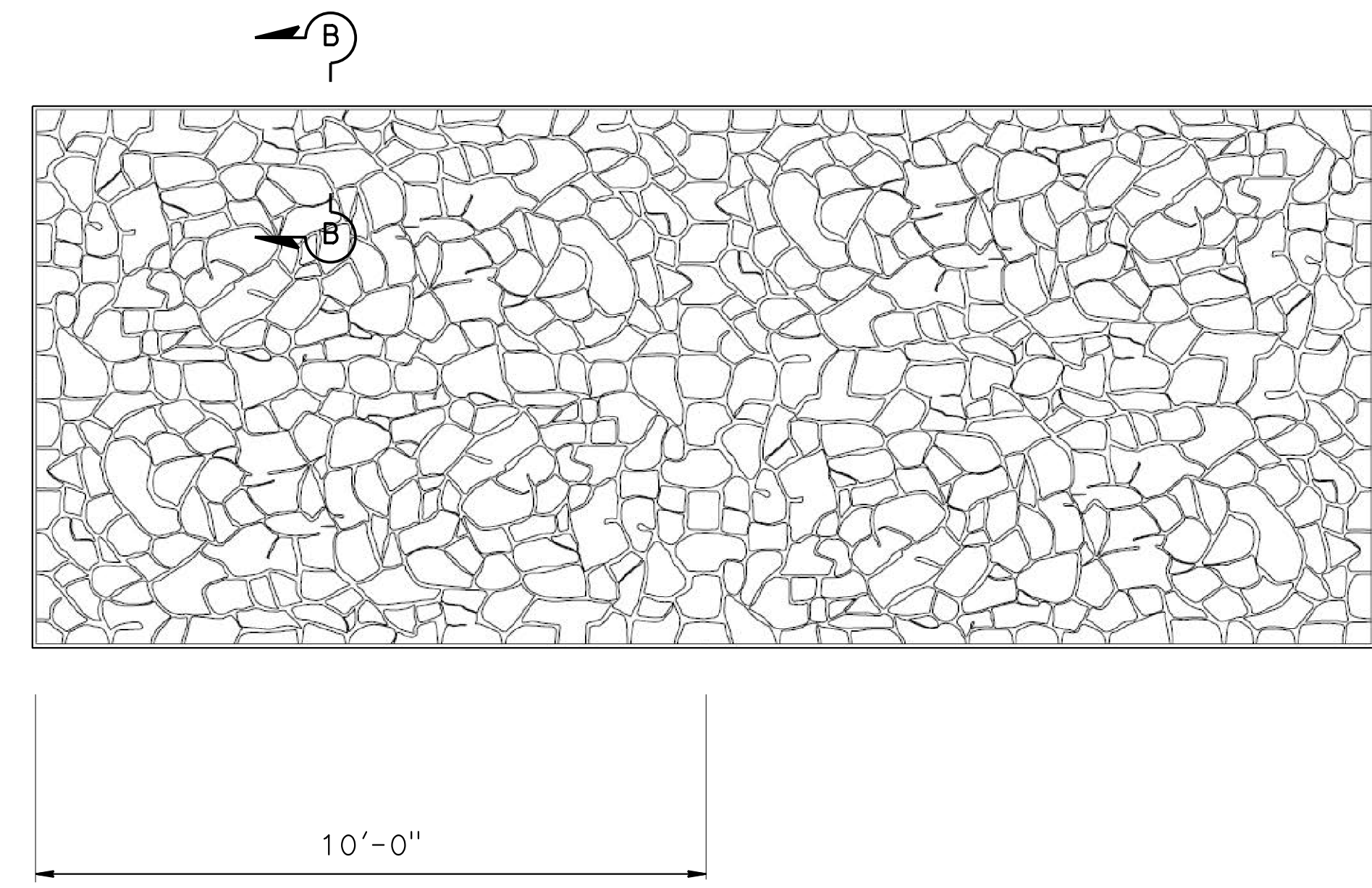
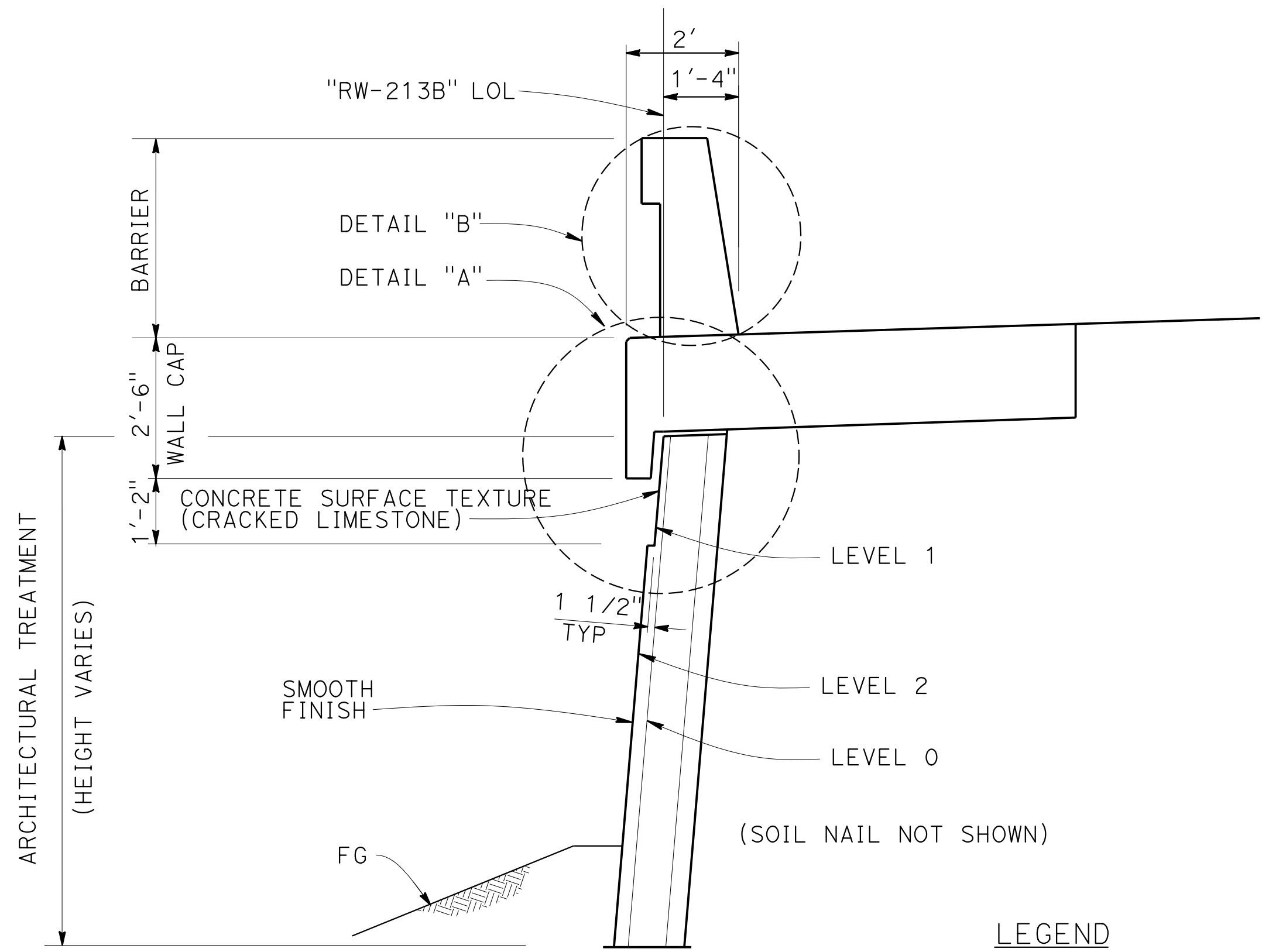
Leah Haygood
 REGISTERED CIVIL ENGINEER
 DATE 9-29-21
 LICENSED LANDSCAPE ARCHITECT
 LEAH HAYGOOD
 Signature 8-31-23
 Renewal Date 7-13-21
 STATE OF CALIFORNIA

October 8, 2021
 PLANS APPROVAL DATE

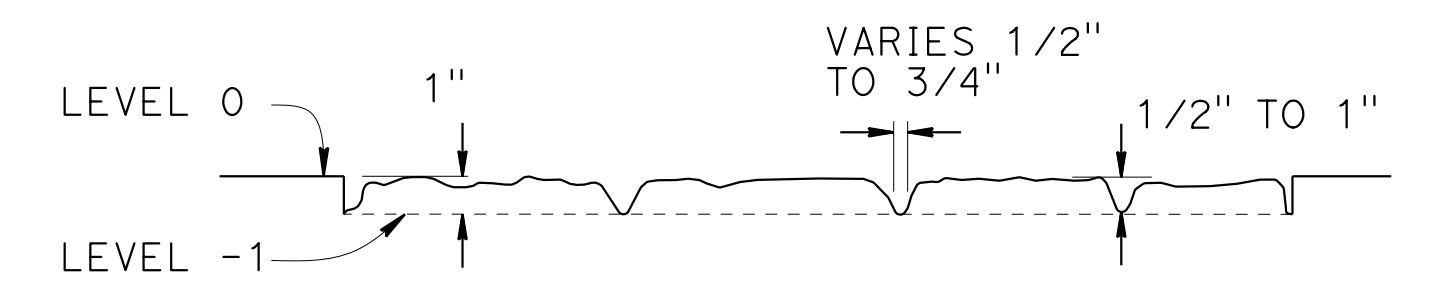
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HAYGOOD & ASSOCIATES
 647 SANTA BARBARA ROAD
 BERKELEY, CA 94707



CONCRETE SURFACE TEXTURE (CRACKED LIMESTONE)
NO SCALE



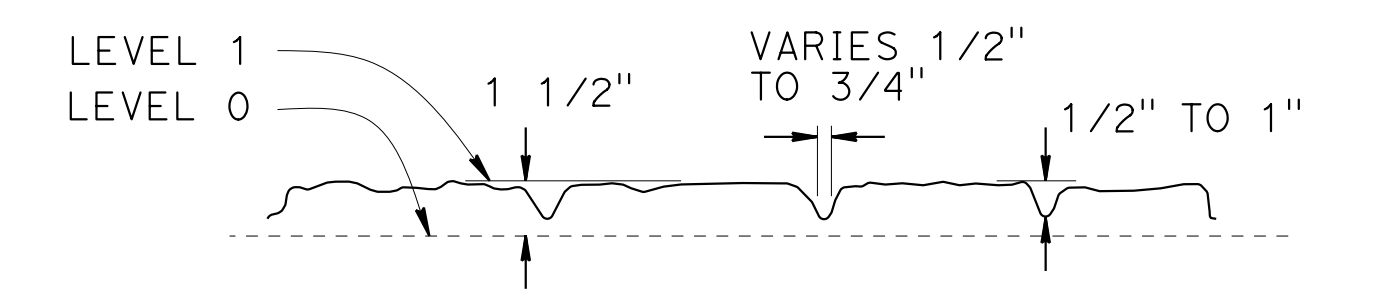
SECTION C-C
NO SCALE

LEGEND

- LEVEL -1 = LEVEL 0 - 1"
- LEVEL 0 = FACE OF BARRIER OR FACE OF CORE OF WALL
- LEVEL 1 = LEVEL 0 + 1 1/2"
- LEVEL 2 = LEVEL 0 + 3"

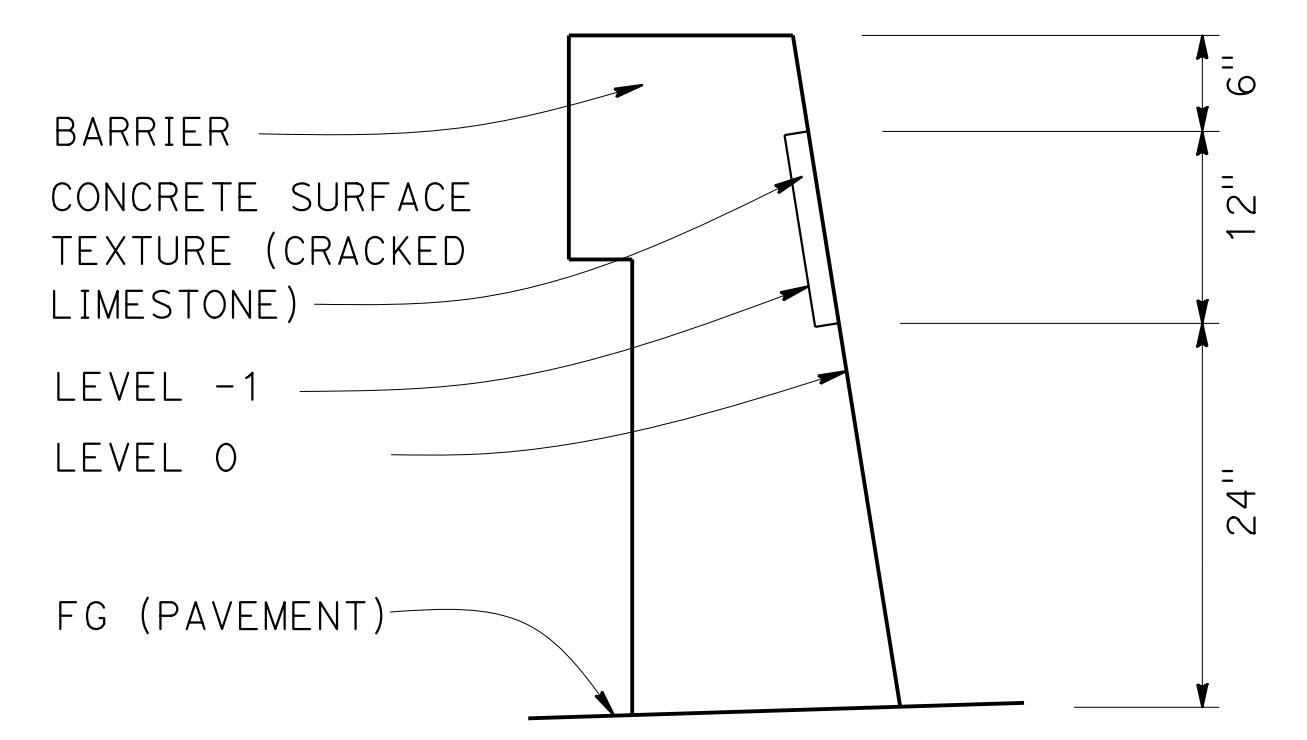
NOTES

1. CONCRETE SURFACE TEXTURE (CRACKED LIMESTONE) MUST BE CONTINUOUS ALONG BARRIERS.
2. WALL CAP MEANS THE CONCRETE BARRIER SLAB SHOWN IN THE RETAINING WALL STRUCTURE PLANS
3. CONCRETE SURFACE TEXTURE (CRACKED LIMESTONE) TO MATCH CONCRETE SURFACE TEXTURE (CRACKED LIMESTONE) ON EXIST RETAINING WALL LOCATED NB I-680 SOUTH OF ANDRADE Rd.

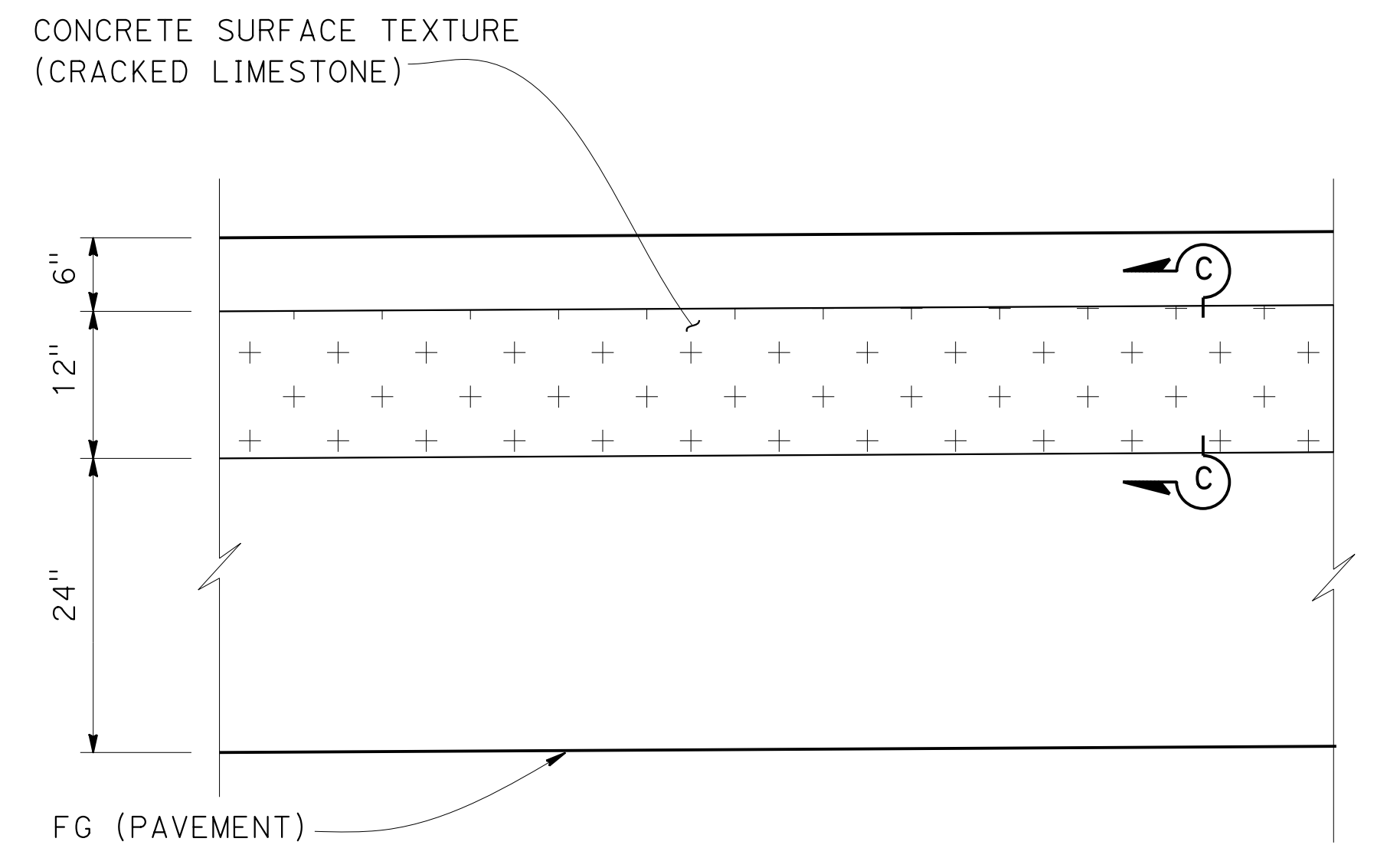


SECTION B-B
NO SCALE

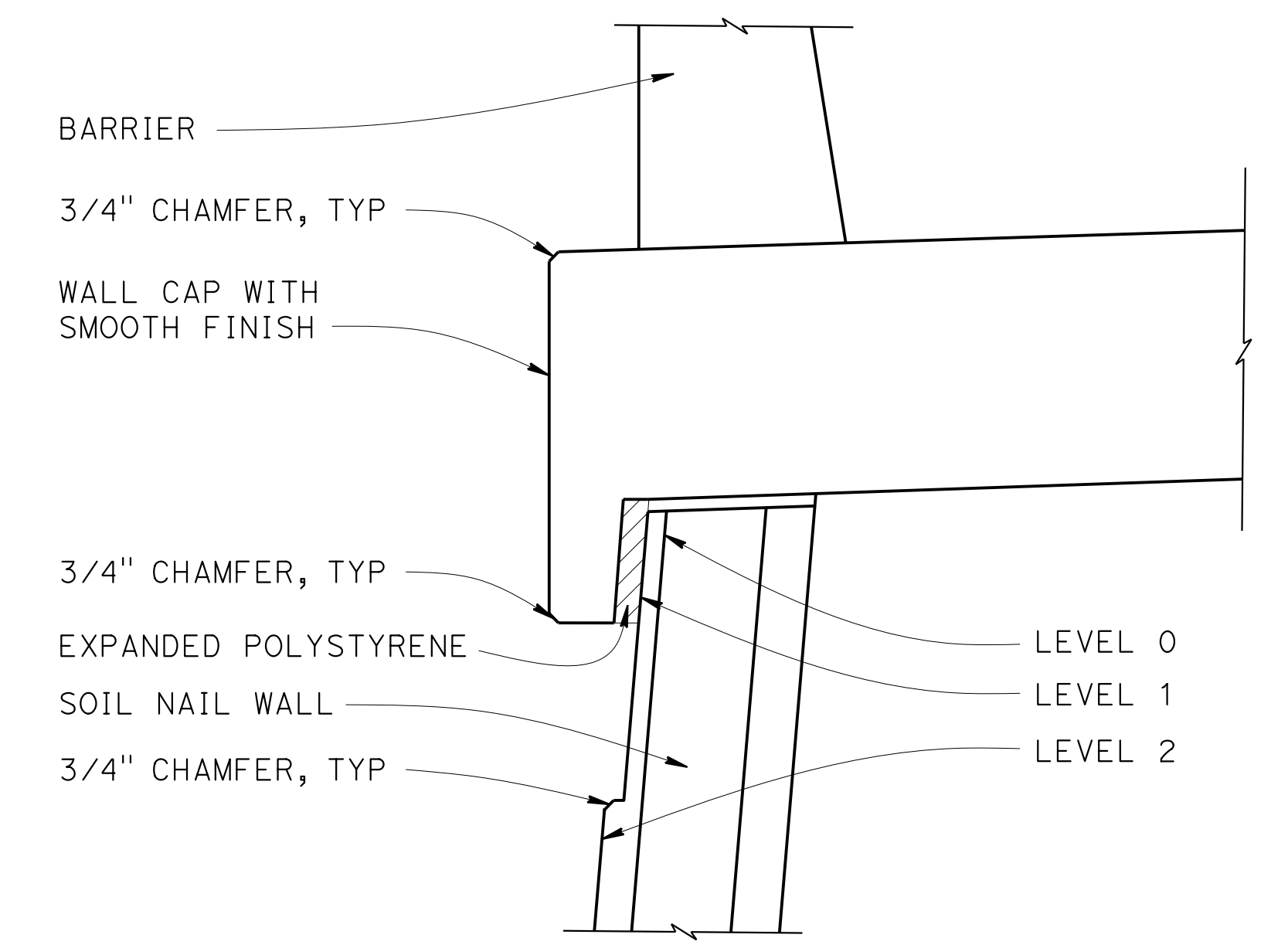
SECTION A-A
1/2" = 1'-0"



DETAIL "B"



ELEVATION VIEWED FROM TRAFFIC SIDE



DETAIL "A"
NO SCALE

BARRIER ARCHITECTURAL TREATMENT

1" = 1'-0"

Norbert Gee
 DESIGN OVERSIGHT
 Norbert Gee
 2/15/22
 SIGN OFF DATE

DESIGN	BY S. KENNEY	CHECKED L. HAYGOOD
DETAILS	BY S. KENNEY	CHECKED L. HAYGOOD
QUANTITIES	BY W. Bai	CHECKED A. AKI

PREPARED FOR THE
STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

Syed Kazmi
 PROJECT ENGINEER

BRIDGE No.	33E0252
POST MILE	R14.5

RETAINING WALL No. 213B
ARCHITECTURAL DETAILS No. 4

DESIGN DETAIL SHEET (ENGLISH) (REVISION 4/19/2018)

DATE PLOTTED => 9-MAR-2022 TIME PLOTTED => 11:18
 FILE => 33E0252-x-arcad04.dgn USERNAME => p302438

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS
 0 1 2 3

UNIT: 0733
 PROJECT NUMBER & PHASE: 04200002351

CONTRACT No.: 04-0030U4

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES	SHEET	OF
9-2-21 09-29-21 1-13-21 8-28-21	33	38

BENCH MARK

All elevations based on vertical datum NAVD88.
 All stations and offsets based on horizontal datum NAD83.
 Survey Control ID 98 EI 263.49, N2044244.854 E6163956.93
 Survey Control ID 119 EI 257.23, N2039888.419 E6164368.97

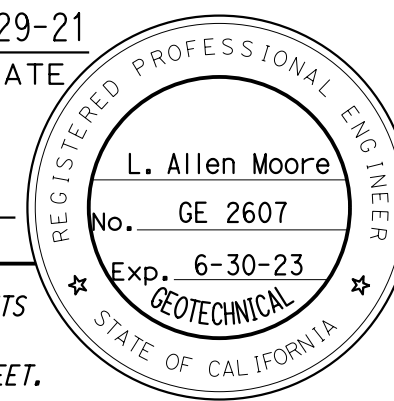
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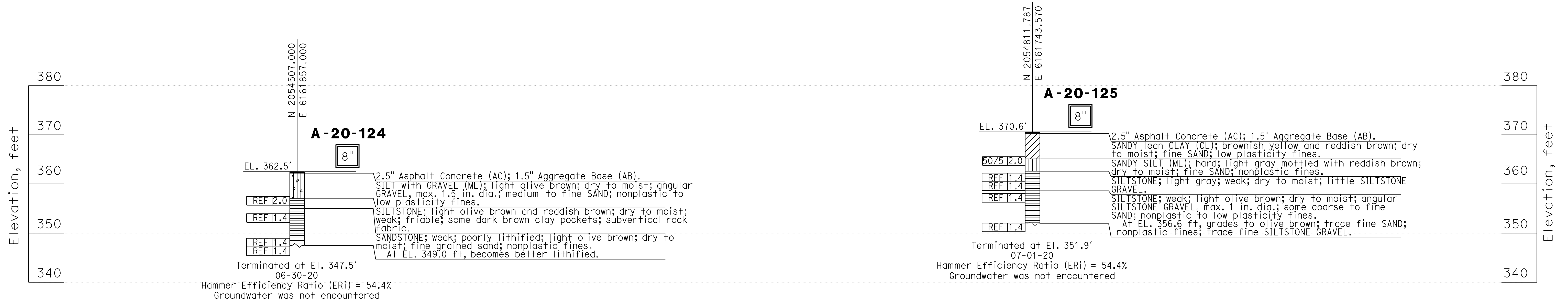
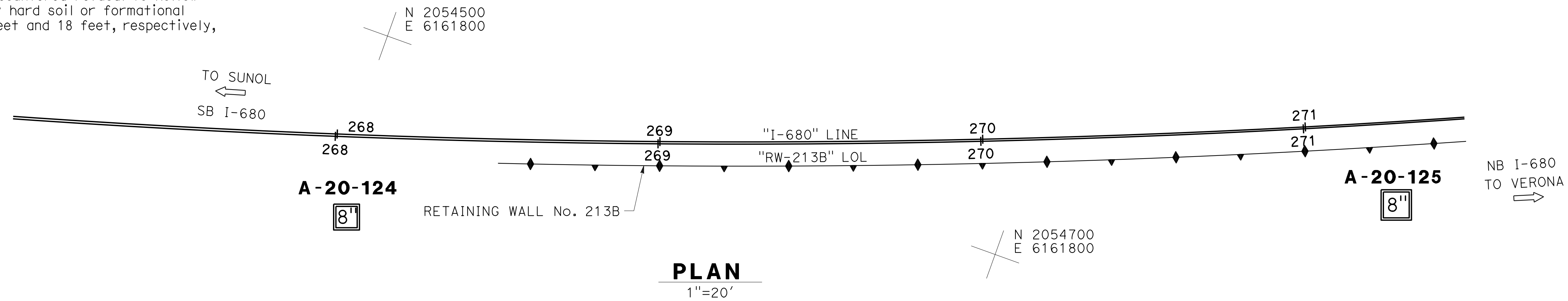
1. This LOTB Sheet was prepared in accordance with the Caltrans Soil and Rock Logging, Classification, and Presentation Manual (2010).
2. Standard Penetration test sampler I.D. = 1.38 inch (1.4) Modified California sampler I.D. = 1.96 inch (2.0)
3. REF is defined as more than 50 blows in the first 6 inches.
4. Cobbles and boulders could be present based on information from published geologic maps.
5. Borings A-20-124 and A-20-125 encountered refusal to hollow stem auger in very dense or very hard soil or formational material at depths of about 15 feet and 18 feet, respectively, and were terminated.


BOREHOLE LOCATION TABLE

Hole ID	Alignment Name	Station and Offset
A-20-124	"I-680" LINE	268+05 25' Rt
A-20-125	"I-680" LINE	271+27 26' Rt

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala, CC	680	R11.0/R21.9, R0.0/0.9	1706	1710


 9-29-21
 GEOTECHNICAL PROFESSIONAL DATE
 October 8, 2021
 PLANS APPROVAL DATE
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 OAKLAND, CA 94607
 AECOM
 2020 L STREET, SUITE 400
 SACRAMENTO, CA 95811



 DESIGN OVERSIGHT Norbert Gee 2/15/22 SIGN OFF DATE	DRAWN	BY E. Garnica/B. Vuong	Timothy VandeVoorde/Joshua Moore FIELD INVESTIGATOR	PREPARED FOR THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	BRIDGE No. 33E0252	RETAINING WALL No. 213B LOG OF TEST BORING 1 OF 5
	CHECKED	BY A. M. Moore	DATE		PROJECT ENGINEER A. L. Moore	

DATE PLOTTED => 9-MAR-2022 TIME PLOTTED => 11:18 ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3
 FILE => 33E0252-2-1+b01.dgn USERNAME => p302438
 UNIT: X 0733 PROJECT NUMBER & PHASE: 04200002351 CONTRACT No.: 04-0030U4
 DISREGARD PRINTS BEARING EARLIER REVISION DATES
 REVISION DATES: 3-2-21, 09-29-21, 1-11-21, 8-24-21
 SHEET 34 OF 38

BENCH MARK

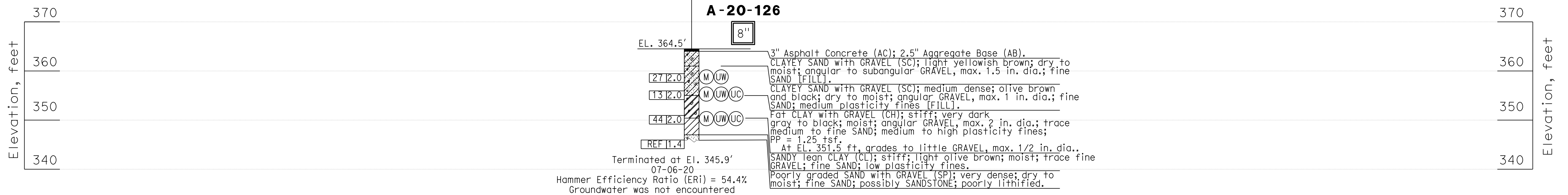
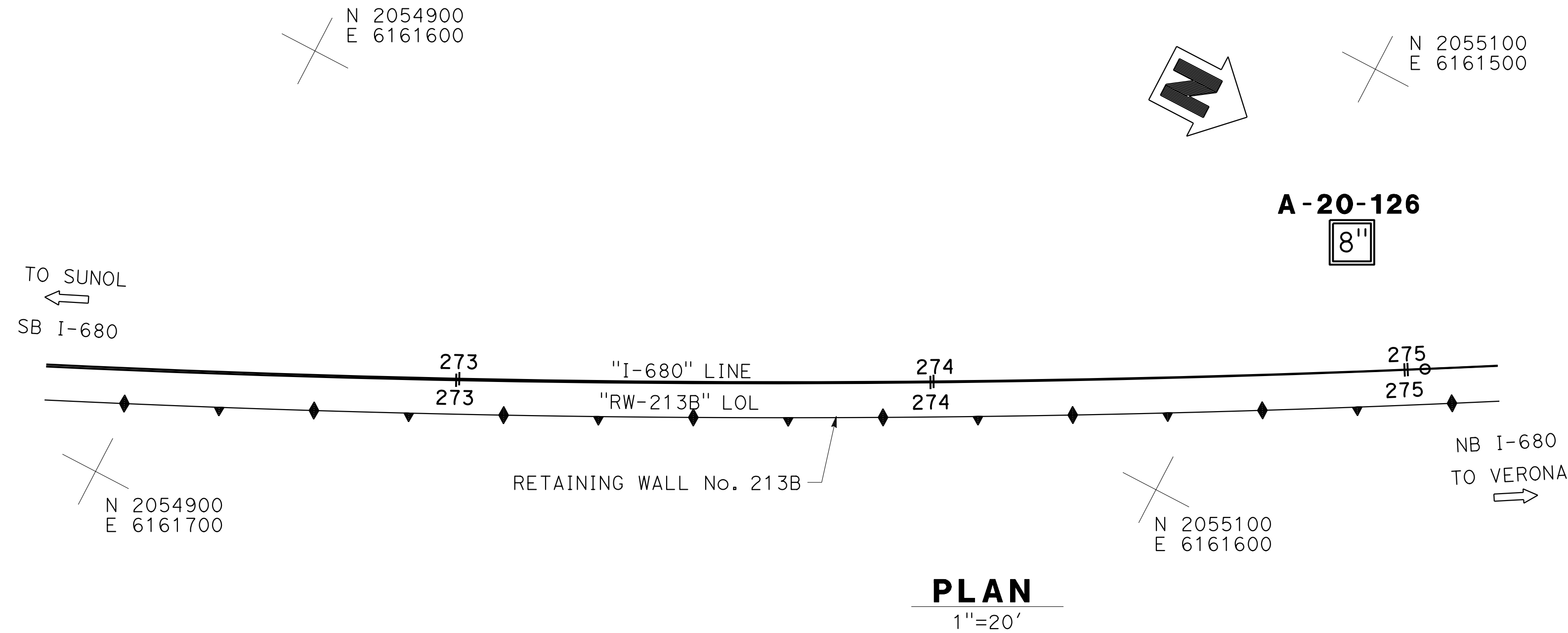
All elevations based on vertical datum NAVD88.
 All stations and offsets based on horizontal datum NAD83.
 Survey Control ID 98 El 263.49, N2044244.854 E6163956.93
 Survey Control ID 119 El 257.23, N2039888.419 E6164368.97

NOTES

1. This LOTB Sheet was prepared in accordance with the Caltrans Soil and Rock Logging, Classification, and Presentation Manual (2010).
2. Standard Penetration test sampler I.D. = 1.38 inch (1.4) Modified California sampler I.D. = 1.96 inch (2.0)
3. REF is defined as more than 50 blows in the first 6 inches.
4. Cobbles and boulders could be present based on information from published geologic maps.

EXPLORATION LOCATION TABLE

Hole ID	Alignment Name	Station and Offset
A-20-126	"I-680" LINE	274+89 27' Lt



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala, CC	680	R11.0/R21.9, R0.0/0.9	1707	1710

GEOTECHNICAL PROFESSIONAL DATE 9-29-21
 L. Allen Moore
 No. GE 2607
 Exp. 6-30-23
 REGISTERED PROFESSIONAL ENGINEER
 GEOTECHNICAL
 STATE OF CALIFORNIA

October 8, 2021
 PLANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

ALAMEDA CTC
 1111 BROADWAY, SUITE 800
 OAKLAND, CA 94607

AECOM
 2020 L STREET, SUITE 400
 SACRAMENTO, CA 95811

DESIGN OVERSIGHT
 Norbert Gee
 2/15/22
 SIGN OFF DATE

DRAWN BY
 E. Garnica/B. Vuong
 CHECKED BY
 A. M. Moore

Timothy VandeVoorde/Joshua Moore
 FIELD INVESTIGATOR
 DATE

PREPARED FOR THE
 STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

A. L. Moore
 PROJECT ENGINEER

BRIDGE No.
 33E0252
 POST MILE
 R14.5

RETAINING WALL No. 213B
 LOG OF TEST BORING 2 OF 5

BENCH MARK

All elevations based on vertical datum NAVD88.
 All stations and offsets based on horizontal datum NAD83.
 Survey Control ID 98 El 263.49, N2044244.854 E6163956.93
 Survey Control ID 119 El 257.23, N2039888.419 E6164368.97

NOTES

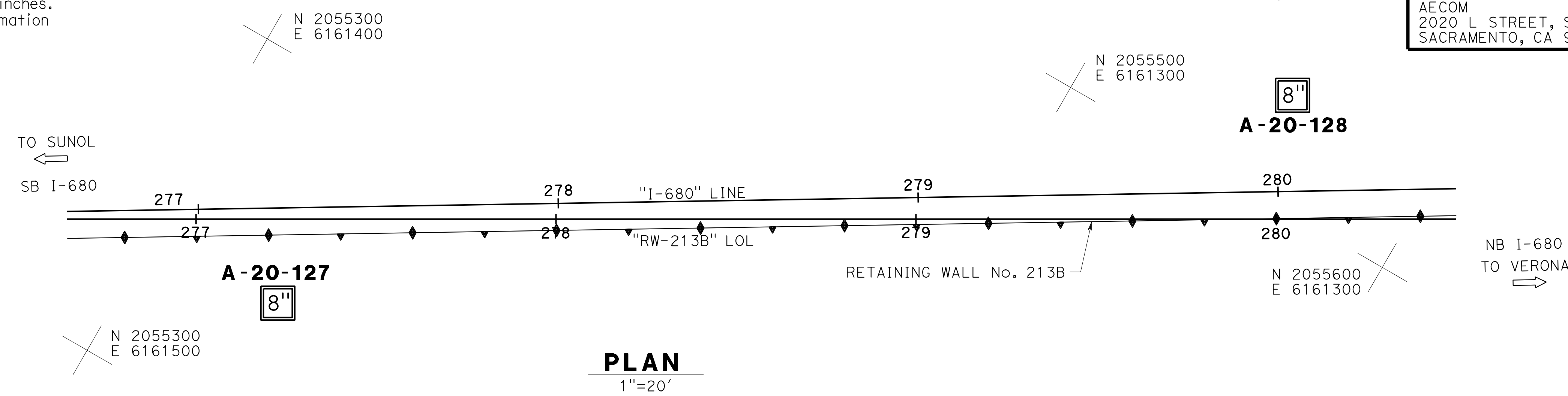
1. This LOTB Sheet was prepared in accordance with the Caltrans Soil and Rock Logging, Classification, and Presentation Manual (2010).
2. Standard Penetration test sampler I.D. = 1.38 inch (1.4) Modified California sampler I.D. = 1.96 inch (2.0)
3. REF is defined as more than 50 blows in the first 6 inches.
4. Cobbles and boulders could be present based on information from published geologic maps.

BOREHOLE LOCATION TABLE

Hole ID	Alignment Name	Station and Offset
A-20-127	"I-680" LINE	277+22 26' Rt
A-20-128	"I-680" LINE	280+05 27' Lt

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala, CC	680	R11.0/R21.9, R0.0/0.9	1708	1710

GEOTECHNICAL PROFESSIONAL DATE 9-29-21
 October 8, 2021
 PLANS APPROVAL DATE
 L. Allen Moore
 No. GE 2607
 Exp. 6-30-23
 REGISTERED PROFESSIONAL ENGINEER
 GEOTECHNICAL
 STATE OF CALIFORNIA
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.
 ALAMEDA CTC
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 OAKLAND, CA 94607
 AECOM
 2020 L STREET, SUITE 400
 SACRAMENTO, CA 95811



 DESIGN OVERSIGHT Norbert Gee 2/15/22 SIGN OFF DATE	DRAWN BY E. Garnica/B. Vuong CHECKED BY A. M. Moore	Timothy VandeVoorde/Joshua Moore FIELD INVESTIGATOR DATE	PREPARED FOR THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	BRIDGE No. 33E0252 POST MILE R14.5	RETAINING WALL No. 213B LOG OF TEST BORING 3 OF 5
	DATE PLOTTED => 9-MAR-2022 TIME PLOTTED => 11:19 FILE => 33E0252-z-1+03.dgn USERNAME => p302438		ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	UNIT: X 0733 PROJECT NUMBER & PHASE: 04200002351 CONTRACT No.: 04-0030U4	DISREGARD PRINTS BEARING EARLIER REVISION DATES REVISION DATES: 3-2-21, 09-29-21, 1-11-21, 8-24-21 SHEET 36 OF 38

BENCH MARK

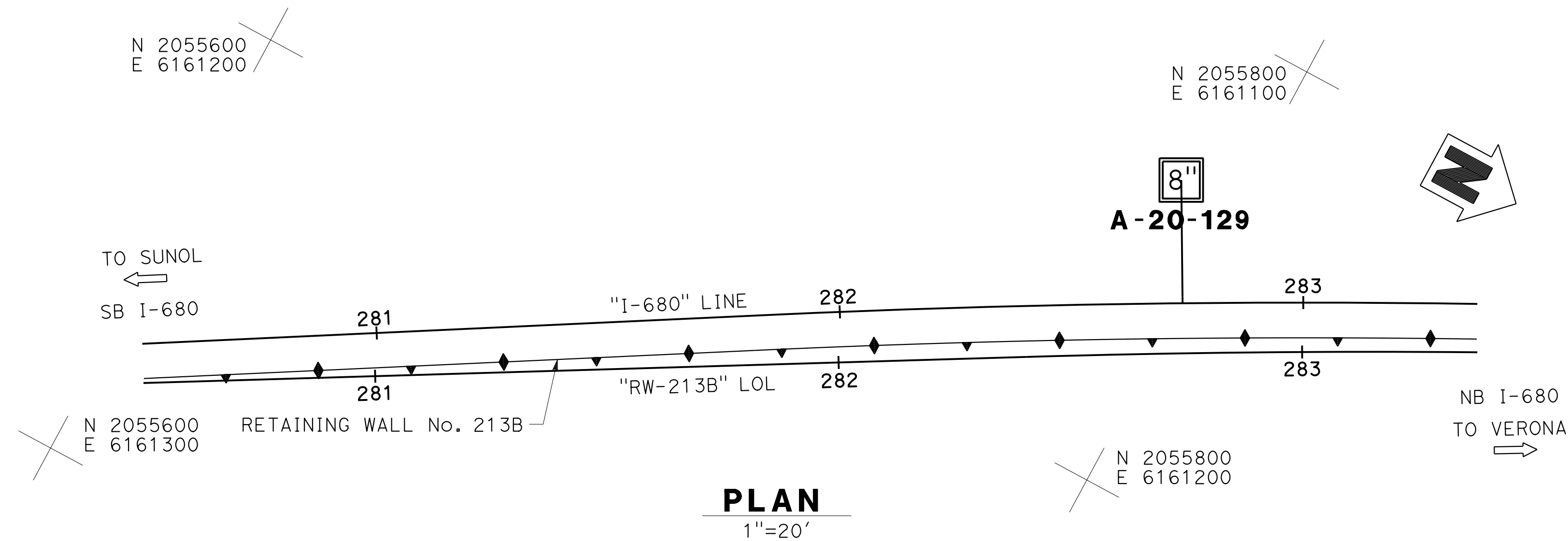
All elevations based on vertical datum NAVD88.
 All stations and offsets based on horizontal datum NAD83.
 Survey Control ID 98 EI 263.49, N2044244.854 E6163956.93
 Survey Control ID 119 EI 257.23, N2039888.419 E6164368.97

NOTES

1. This LOTB Sheet was prepared in accordance with the Caltrans Soil and Rock Logging, Classification, and Presentation Manual (2010).
2. Standard Penetration test sampler I.D. = 1.38 inch (1.4) Modified California sampler I.D. = 1.96 inch (2.0)
3. REF is defined as more than 50 blows in the first 6 inches.
4. Cobbles and boulders could be present based on information from published geologic maps.

EXPLORATION LOCATION TABLE

Hole ID	Alignment Name	Station and Offset
A-20-129	"I-680" LINE	282+74 27' L+



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala, CC	680	R11.0/R21.9, R0.0/0.9	1709	1710

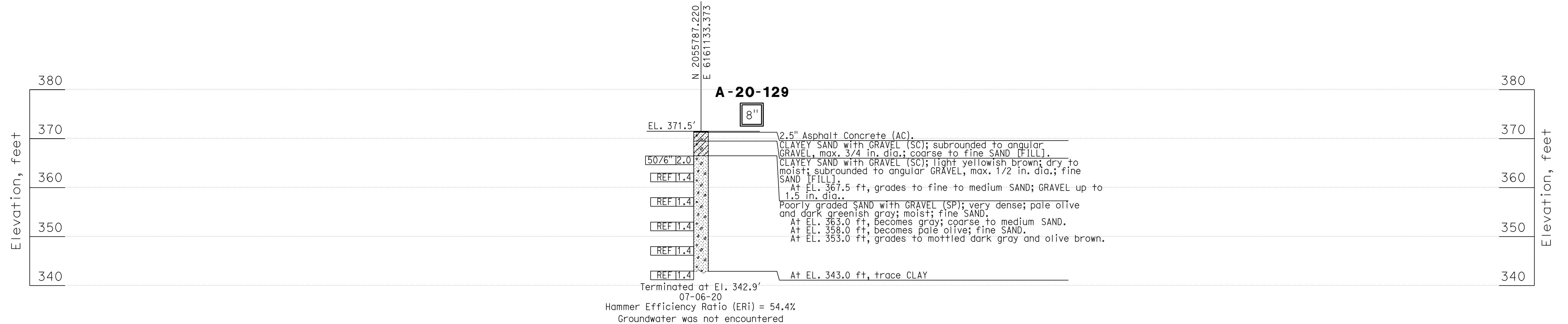
Signature: *L. Allen Moore*
 GEOTECHNICAL PROFESSIONAL DATE: 9-29-21
 October 8, 2021
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
 L. Allen Moore
 No. GE 2607
 Exp. 6-30-23
 STATE OF CALIFORNIA

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 OAKLAND, CA 94607

AECOM
 2020 L STREET, SUITE 400
 SACRAMENTO, CA 95811



DESIGN OVERSIGHT <i>Norbert Gee</i> SIGN OFF DATE 2/15/22	DRAWN	BY E. Garnica/B. Vuong	Timothy VandeVoorde/Joshua Moore	PREPARED FOR THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	BRIDGE No. 33E0252	RETAINING WALL No. 213B LOG OF TEST BORING 4 OF 5
	CHECKED	BY A. M. Moore	DATE		PROJECT ENGINEER A. L. Moore	
DATE PLOTTED => 9-MAR-2022 TIME PLOTTED => 11:19 ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3 FILE => 33E0252-Z-1+tb04.dgn USERNAME => p302438				UNIT: X 0733 PROJECT NUMBER & PHASE: 04200002351	CONTRACT No.: 04-0030U4	DISREGARD PRINTS BEARING EARLIER REVISION DATES REVISION DATES: 3-2-21 09-29-21 11-1-21 8-28-21 SHEET 37 OF 38

BENCH MARK

All elevations based on vertical datum NAVD88.
 All stations and offsets based on horizontal datum NAD83.
 Survey Control ID 98 EI 263.49, N2044244.854 E6163956.93
 Survey Control ID 119 EI 257.23, N2039888.419 E6164368.97

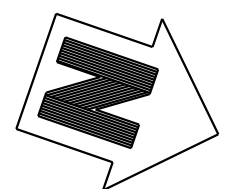
NOTES

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4. Cobbles and boulders could be present based on information from published geologic maps.

BOREHOLE LOCATION TABLE

Hole ID	Alignment Name	Station and Offset
A-20-130	"I-680" LINE	285+58 24' R+
A-20-131	"I-680" LINE	288+92 20' R+

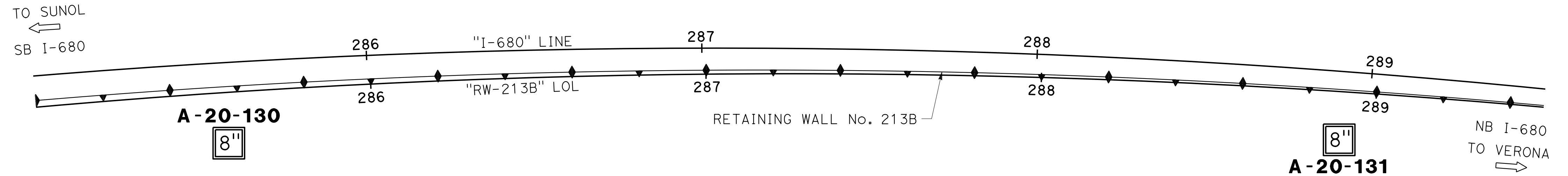
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala, CC	680	R11.0/R21.9, R0.0/0.9	1710	1710


 GEOTECHNICAL PROFESSIONAL DATE 9-29-21
 L. Allen Moore
 No. GE 2607
 Exp. 6-30-23
 REGISTERED PROFESSIONAL ENGINEER
 GEOTECHNICAL
 STATE OF CALIFORNIA
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 2020 L STREET, SUITE 400
 SACRAMENTO, CA 95811

N 2056000
E 6161000

N 2056300
E 6160900

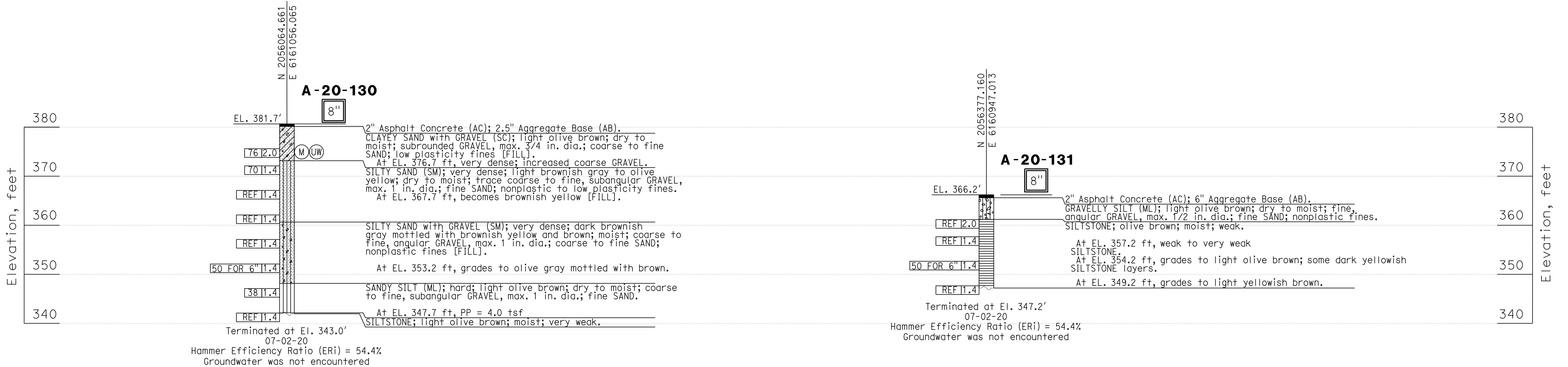


PLAN

1"=20'

N 2056000
E 6161100

N 2056300
E 6161000




 DESIGN OVERSIGHT
 Norbert Gee
 2/15/22
 SIGN OFF DATE

DRAWN BY E. Garnica/B. Vuong
 CHECKED BY A. M. Moore

Timothy VandeVoorde/Joshua Moore
 FIELD INVESTIGATOR
 DATE

PREPARED FOR THE
 STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

A. L. Moore
 PROJECT ENGINEER

BRIDGE No.
 33E0252
 POST MILE
 R14.5

RETAINING WALL No. 213B
LOG OF TEST BORING 5 OF 5