



San Francisco  
**Water  
Power  
Sewer**

Services of the San Francisco Public Utilities Commission

CITY AND COUNTY OF SAN FRANCISCO  
**PUBLIC UTILITIES COMMISSION**  
WASTEWATER ENTERPRISE



OCEAN BEACH CLIMATE CHANGE ADAPTATION PROJECT  
LONG TERM IMPROVEMENTS

CONTRACT NO. WW-662

MAY 2023

95% SUBMITTAL

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G-0001 WW-

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INFRASTRUCTURE DIVISION  
ENGINEERING MANAGEMENT BUREAU

EMB Mgr. \_\_\_\_\_  
WWE Engineering Mgr. \_\_\_\_\_  
WWE O&M Mgr. \_\_\_\_\_  
Section Mgr. \_\_\_\_\_  
Designed \_\_\_\_\_  
Drawn \_\_\_\_\_  
Checked/Approved \_\_\_\_\_

95% SUBMITTAL MAY 2023

No.	Date	Revisions



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Contract No. WW-662


Elevation Datum XXXX

Project	OCEAN BEACH CLIMATE CHANGE ADAPTATION PROJECT - LONG TERM IMPROVEMENTS	Plan No.	G-0002
Drawing Title	DRAWING INDEX I	Project No.	CWWFAC01
Drawing/File No.	WWXXXX	Revision No.	0
Scale:	AS SHOWN		

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ENGINEERING MANAGEMENT BUREAU

EMB Mgr. \_\_\_\_\_  
WWE Engineering Mgr. \_\_\_\_\_  
WWE O&M Mgr. \_\_\_\_\_  
Section Mgr. \_\_\_\_\_  
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95% SUBMITTAL MAY 2023

No.	Date	Revisions



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Contract No. <b>WW-662</b>	Drawing Title <b>DRAWING INDEX II</b>		Project No. CWWFAC01
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S3.1		0	FRAMING ELEVATIONS
S3.2		0	FRAMING ELEVATIONS
S4.0		0	STRUCTURAL DETAILS
S4.1		0	STRUCTURAL DETAILS
S4.2		0	STRUCTURAL DETAILS
S4.3		0	STRUCTURAL DETAILS
<b>MECHANICAL - RESTROOM</b>			
M0.01		0	PLUMBING ABBREVIATIONS, SYMBOLS, LEGEND & DRAWING LIST
M0.02		0	PLUMBING GENERAL NOTES
M0.90		0	MECHANICAL EQUIPMENT SCHEDULES
M2.10		0	MECHANICAL FLOOR PLAN
M6.01		0	MECHANICAL DETAILS
<b>PLUMBING - RESTROOM</b>			
P0.01		0	PLUMBING ABBREVIATIONS, SYMBOLS, LEGEND & DRAWING LIST
P0.02		0	PLUMBING GENERAL NOTES
P0.90		0	PLUMBING EQUIPMENT SCHEDULES
P2.00		0	PLUMBING SITE PLAN
P2.10		0	PLUMBING FLOOR PLAN-DOMESTIC WATER
P2.11		0	PLUMBING FLOOR PLAN-WASTE & VENT
P2.20		0	PLUMBING ROOF PLAN
P6.01		0	PLUMBING DETAILS
<b>ELECTRICAL - RESTROOM</b>			
E0.01		0	ELECTRICAL SYMBOL LIST, ABBREVIATIONS AND DRAWING LIST
E0.02		0	ELECTRICAL GENERAL NOTES
E0.03		0	SINGLE LINE DIAGRAM
E0.04		0	SCHEDULES
E1.10		0	LIGHTING PLAN-RESTROOM
E3.17		0	POWER PLAN-RESTROOM
E3.18		0	POWER PLAN-ROOF
<b>ELECTRICAL - GREAT HIGHWAY &amp; SLOAT INTERSECTION, SIGNAL &amp; LIGHTING DESIGN</b>			
ET-0.1		0	TRAFFIC SIGNAL SYMBOLS
ET-0.2		0	TRAFFIC SIGNAL ABBREVIATIONS
ET-0.3		0	TRAFFIC SIGNAL GENERAL NOTES
ET-0.4		0	TRAFFIC SIGNAL DETAILS-1 OF 2
ET-0.5		0	TRAFFIC SIGNAL DETAILS 2 OF 2
ET-1.0		0	GREAT HIGHWAY AND SLOAT BOULEVARD TRAFFIC SIGNAL DEMOLITION PLAN
ET-1.1		0	GREAT HIGHWAY AND SLOAT BOULEVARD TRAFFIC SIGNAL PLAN
ET-1.2		0	GREAT HIGHWAY AND SLOAT BOULEVARD POLE AND EQUIPMENT SCHEDULE
ET-1.1		0	GREAT HIGHWAY AND SLOAT BOULEVARD CONDUIT AND WIRING SCHEDULE
<b>SECURITY</b>			
SC-001		0	SECURITY GENERAL NOTES AND SYMBOLS
SC-002		0	SECURITY ABBREVIATIONS NOTES AND SYMBOLS
SC-100		0	SECURITY OVERALL SITE PLAN

DRAWING INDEX			
PLAN NO.	DRAWING NO.	REVISION NO.	TITLE
SC-111		0	SECURITY ENLARGED SITE PLAN AREA A
SC-113		0	SECURITY ENLARGED SITE PLAN AREA B
SC-114		0	SECURITY ENLARGED SITE PLAN AREA C
SC-115		0	SECURITY ENLARGED SITE PLAN AREA D
SC-116		0	SECURITY ENLARGED SITE PLAN AREA E
SC-117		0	SECURITY ENLARGED SITE PLAN AREA F
SC-118		0	SECURITY ENLARGED SITE PLAN AREA G
SC-119		0	SECURITY ENLARGED SITE PLAN AREA H
SC-451		0	SECURITY ENLARGED SITE PLAN AREA I
SC-601		0	PLANTING DETAILS

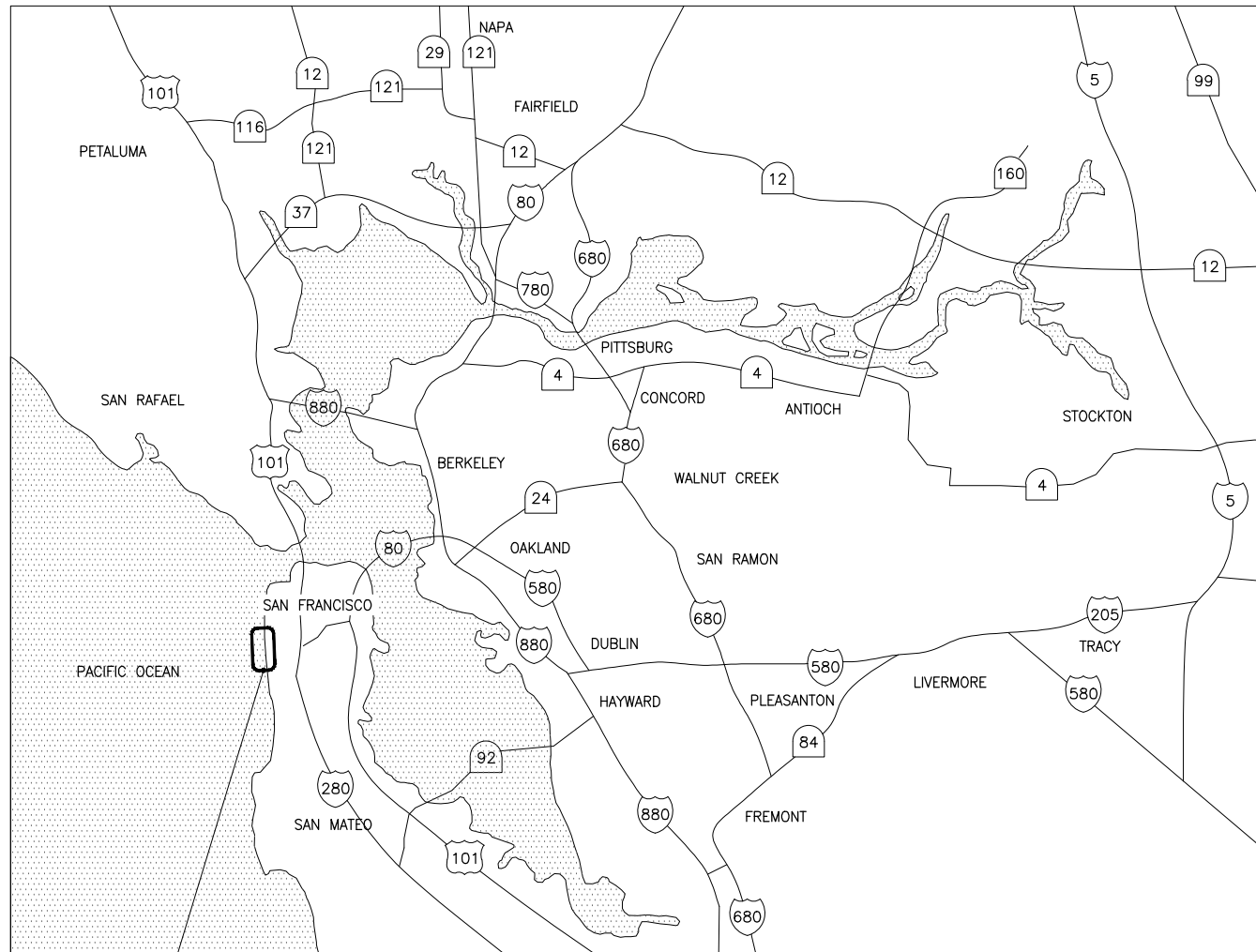


EMB Mgr. \_\_\_\_\_  
 WWE Engineering Mgr. \_\_\_\_\_  
 WWE O&M Mgr. \_\_\_\_\_  
 Section Mgr. \_\_\_\_\_  
 Designed \_\_\_\_\_  
 Drawn \_\_\_\_\_  
 Checked/Approved \_\_\_\_\_



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No.	Date	Revisions

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Contract No. <b>WW-662</b>	Drawing Title <b>DRAWING INDEX III</b>	Project No. CWWFAC01	
Elevation Datum XXXX	Drawing/File No <b>WWXXXX</b>	Revision No. 0	Scale: AS SHOWN



PROJECT LOCATION

**VICINITY MAP**  
N.T.S.



PROJECT LOCATION

**LOCATION MAP**  
N.T.S.



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Contract No. <b>WW-662</b>	Drawing Title <b>VICINITY MAP AND LOCATION MAP</b>		Project No. CWWFAC01
Elevation Datum XXXX	Drawing/File No. <b>WWXXXX</b>	Revision No. 0	Scale: AS SHOWN

ABBREVIATIONS

&	AND
@	AT
AB	AGGREGATE BASE
AC	ASPHALT CONCRETE
AD	AREA DRAIN
ALT	ALTERNATE
APPROX	APPROXIMATE
ARCH	ARCHITECTURAL
ASPH	ASPHALT
AVC	ARCHITECTURAL VAULT COVER
BLDG	BUILDING
BSW	BACK OF SIDEWALK
BW	BOTTOM OF WALL
CIP	CAST-IN-PLACE
CJ	CONTROL JOINT
CL	CENTERLINE
CONC	CONCRETE
C.U.P.	CONCRETE UNIT PAVER
DET/DETL	DETAIL
D.G.	DECOMPOSED GRANITE
DIA	DIAMETER
DIM	DIMENSION
DWG	DRAWING
(E)	EXISTING
EA	EACH
EL /ELEV	ELEVATION
EQ	EQUAL
FFE	FINISH FLOOR ELEVATION
FG	FINISH GRADE
FS	FINISH SURFACE
FT	FOOT OR FEET
IN	INCH
IRR	IRRIGATION
IVC	INTEGRAL VAULT COVER
JT	JOINT LENGTH
MIN	MINIMUM
MISC	MISCELLANEOUS
N/A	NOT APPLICABLE
NIC	NOT IN CONTRACT
NO/#	NUMBER
NOM	NOMINAL
NTS	NOT TO SCALE
OC	ON CENTER
PA	PLANTING AREA
PERF	PERFORATED
PL	PROPERTY LINE
PROP	PROPERTY
PVMT	PAVEMENT
R	RIGHT
RD	RADIUS
REF	REFER
REINF	REINFORCED
REV	REVISION/REVISED
S.A.D.	SEE ARCHITECTURAL DRAWING
S.C.D.	SEE CIVIL DRAWING
SECT	SECTION
S.E.D.	SEE SITE ELECTRICAL DRAWING
SHT	SHEET
S.I.D.	SEE IRRIGATIONS DRAWING
SIM	SIMILAR
SPEC	SPECIFICATION
S.F.	SQUARE FOOT / FEET
S.S.D.	SEE STRUCTURAL DRAWING
S.S.	STAINLESS STEEL
STD	STANDARD
TBD	TO BE DETERMINED
TC	TOP OF CURB
TEMP	TEMPORARY
TOC	TOP OF CONCRETE
TW / TOW	TOP OF WALL
TYP	TYPICAL
VAR	VARIES
VIF	VERIFY IN FIELD

GENERAL NOTES

- THESE NOTES AND LEGENDS REFER TO THE LANDSCAPE DRAWINGS ONLY.
- WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS.
- THE PLANS INDICATE THE GENERAL EXTENT OF NEW CONSTRUCTION NECESSARY FOR THE WORK, BUT ARE NOT INTENDED TO BE ALL-INCLUSIVE. ALL NEW WORK NECESSARY FOR A FINISHED JOB IN ACCORDANCE WITH THE INTENTION OF THE DRAWINGS IS INCLUDED REGARDLESS OF WHETHER SHOWN ON THE DRAWINGS OR MENTIONED IN THE NOTES AND SPECIFICATIONS
- THE WORK INCLUDED UNDER THIS CONTRACT SHALL CONSIST OF ALL LABOR, MATERIALS, TRANSPORTATION, TOOLS AND EQUIPMENT NECESSARY FOR THE CONSTRUCTION OF THE PROJECT AND TO LEAVE ALL FINISHED WORK BROOM CLEAN AND READY FOR USE.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO PERFORM ALL WORK IN ACCORDANCE WITH APPLICABLE BUILDING CODE REQUIREMENTS, OTHER LOCAL OR MUNICIPAL REQUIREMENTS AND APPLICABLE REQUIREMENTS OF OTHER REGULATORY AGENCIES.
- THE CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS AND PAY FEES FOR PERMITS, LICENSE, INSPECTIONS, FILINGS, AND APPROVALS REQUIRED BY LOCAL LAWS ORDINANCES, AND REGULATIONS NECESSARY FOR COMPLETION OF PROJECT.
- UNLESS OTHERWISE SPECIFIED, SPECIFIC REFERENCES TO CODES, REGULATIONS, STANDARDS, MANUFACTURERS INSTRUCTIONS, OR REQUIREMENTS OF REGULATORY AGENCIES, WHEN USED TO SPECIFY REQUIREMENTS FOR MATERIALS OR DESIGN ELEMENTS SHALL MEAN THE LATEST EDITION OF EACH IN EFFECT AT THE DATE OF SUBMISSION, OR THE DATE OF THE CHANGE ORDER OR FIELD ORDERS, AS APPLICABLE.
- DOCUMENTS PREPARED BY MUNDEN FRY LANDSCAPE ASSOCIATES (MFLA) ARE INSTRUMENTS OF PROFESSIONAL SERVICE INTENDED FOR ONE-TIME USE ON THIS PROJECT ONLY. NEVERTHELESS, THE DOCUMENTS SHALL BECOME THE PROPERTY OF THE OWNER. IN CONSIDERATION THEREOF, THE OWNER AGREES TO HOLD HARMLESS, INDEMNIFY AND DEFEND MUNDEN FRY LANDSCAPE ASSOCIATES (MFLA) FROM AND AGAINST ANY AND ALL CLAIMS, LIABILITIES, LOSSES, DAMAGES AND

COSTS, INCLUDING BUT NOT LIMITED TO COSTS OF DEFENSE, ARISING OUT OF THE MODIFICATION, MISINTERPRETATION OR MISUSE OF THE DOCUMENTS IN THE COMPLETION OF THIS PROJECT BY OTHERS, OR ARISING OUT OF ANY REUSE OF THE DOCUMENTS ON ANY PROJECT, EXCEPTING ONLY THOSE LIABILITIES, LOSSES, DAMAGES AND COSTS CAUSED BY THE SOLE NEGLIGENCE OF MUNDEN FRY LANDSCAPE ASSOCIATES (MFLA).

ALL ERRORS, OMISSIONS OR CONFLICTS FOUND IN THE VARIOUS PARTS OF THE CONSTRUCTION DOCUMENTS IDENTIFIED BY THE CONTRACTORS SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT AND THE OWNER FOR CLARIFICATION BEFORE PROCEEDING WITH THE WORK. SHOULD THE CONTRACTOR PROCEED WITH THE WORK PRIOR TO RECEIVING CLARIFICATIONS, HE DOES SO AT HIS OWN RISK. ANY DEVIATION OR CHANGES FROM THESE DRAWINGS WITHOUT WRITTEN ACCEPTANCE BY THE LANDSCAPE ARCHITECT SHALL ABSOLVE THE LANDSCAPE ARCHITECT OF ANY AND ALL RESPONSIBILITY OF SAID DEVIATION AND CHANGE.

THE CONTRACTOR SHALL MAINTAIN A CURRENT AND COMPLETE SET OF CONSTRUCTION DOCUMENTS ON THE JOB SITE DURING ALL PHASES OF CONSTRUCTION FOR USE BY ALL TRADES AND SHALL PROVIDE ALL SUBCONTRACTORS WITH CURRENT CONSTRUCTION DOCUMENTS AS REQUIRED. UPON RECEIPT OF DATED AND ISSUED REVISIONS TO THE CONSTRUCTION DOCUMENT BY THE LANDSCAPE ARCHITECT, THE CONTRACTOR SHALL IMMEDIATELY REVISE THE FIELD SET OF CONSTRUCTION DOCUMENTS AND NOTIFY ALL AFFECTED TRADES OF SUCH REVISION.

THE CONTRACTOR SHALL VERIFY AND ASSUME RESPONSIBILITY FOR ALL DIMENSIONS AND SITE CONDITIONS. THE CONTRACTOR SHALL INSPECT THE EXISTING PREMISES AND TAKE NOTE OF EXISTING CONDITIONS PRIOR TO SUBMITTING PRICES. NO CLAIM SHALL BE ALLOWED FOR DIFFICULTIES ENCOUNTERED, WHICH COULD HAVE REASONABLY BEEN INFERRED FROM SUCH AN EXAMINATION.

THE CONTRACTOR SHALL NOT PROCEED WITH ANY ADDITIONAL WORK OR CHANGES FOR WHICH ADDITIONAL COMPENSATION IS EXPECTED WITHOUT A WRITTEN AUTHORIZATION FROM THE OWNER AND THE LANDSCAPE ARCHITECT.

THE CONTRACTOR SHALL COORDINATE ALL WORK WITH THE WORK AND SCHEDULES OF OTHER TRADES TO PREVENT CONFLICTS BETWEEN TRADES OR DELAYS TO OVERALL CONSTRUCTION SCHEDULE.

PRIOR TO CONSTRUCTION, CONTRACTOR SHALL VERIFY WITH OWNER AND ARCHITECT ANY AND ALL ITEMS TO BE SAVED FOR REUSE AND SHALL REMOVE AND STORE THEM IN A PROTECTED AREA ON THE JOB SITE OR AS DIRECTED BY OWNER AND ARCHITECT.

CONTRACTOR SHALL PERFORM ALL PROTECTION, TRANSPORTATION, DEMOLITION, MATERIAL REMOVAL AND SITE PREPARATION NECESSARY FOR THE PROPER EXECUTION OF ALL WORK SHOWN ON THE DRAWINGS AND DESCRIBED IN THE SPECIFICATIONS.

THE CONTRACTOR SHALL REMOVE FROM THE SITE AND DISPOSE OF ACCORDING TO ALL APPLICABLE LOCAL CODES AND ORDINANCES ALL RUBBISH, DEBRIS, UNSUITABLE AND WASTE MATERIALS ON A REGULAR BASIS GENERATED BY CONTRACTOR'S OPERATIONS, INCLUDING SUBCONTRACTORS AND TRADES AT THE CONTRACTOR'S EXPENSE. CONTRACTOR SHALL EXERCISE STRICT CONTROL OVER JOB CLEANING TO PREVENT MATERIALS, DIRT, DEBRIS OR DUST FROM AFFECTING IN ANY WAY FINISHED AREAS OF THE JOB SITE OR AREAS OUTSIDE JOB SITE.

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN VEHICULAR AND PEDESTRIAN TRAFFIC ON ALL EXISTING STREETS DURING CONSTRUCTION.

THE CONTRACTOR SHALL COORDINATE ALL WORK WITH OTHER TRADES, CONSTRUCTION SCHEDULING AND SEQUENCING OF THE WORK.

IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT ALL UTILITIES, IMPROVEMENTS, AND STRUCTURES, INCLUDING ARCHITECTURAL WALLS, PAVING AND SURFACES, WHETHER SHOWN ON THE DRAWING OR NOT.

EXISTING UNDERGROUND UTILITIES AND IMPROVEMENTS ARE SHOWN IN THEIR APPROXIMATED LOCATIONS BASED UPON RECORD INFORMATION AVAILABLE TO THE LANDSCAPE ARCHITECT AT THE TIME OF PREPARATION OF THESE SHEETS. LOCATIONS MAY NOT HAVE BEEN VERIFIED IN THE FIELD AND NO GUARANTEE IS MADE AS TO THE ACCURACY AND COMPLETENESS OF

THE INFORMATION SHOWN.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE PRECISE LOCATIONS, DEPTHS AND SIZES OF ALL UNDERGROUND FACILITIES AT LEAST SEVEN (7) DAYS PRIOR TO EXCAVATION. CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT (USA 1-800-227-2600) AT LEAST 48 HOURS PRIOR TO START OF WORK TO DETERMINE THE EXACT LOCATION AND ELEVATION OF UTILITIES.

IF LIVE UTILITIES ARE ENCOUNTERED PROTECT THE SAME FROM DAMAGE AND IN THE EVENT OF DAMAGE, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER AND THE AFFECTED UTILITY PROVIDER. DO NOT PROCEED UNTIL FURTHER INSTRUCTIONS ARE RECEIVED.

THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR INITIATING, SUPERVISING AND MAINTAINING SAFETY PRECAUTIONS IN CONNECTION WITH THE WORK.

THE CONTRACTOR SHALL SECURE THE PREMISES AND MATERIALS WITHIN THE CONSTRUCTION AREA FOR THE DURATION OF CONSTRUCTION UNTIL THE OWNER'S FINAL ACCEPTANCE. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS AT THE END OF EACH WORKDAY TO INSURE THAT UNAUTHORIZED PERSONS CANNOT ENTER THE JOB SITE.

THE CONTRACTOR SHALL NOTIFY LANDSCAPE ARCHITECT AT LEAST 3 DAYS PRIOR TO ALL REQUIRED FIELD OBSERVATIONS BY LANDSCAPE ARCHITECT.


THERE SHALL BE NO SUBSTITUTION OF MATERIALS WHERE A MANUFACTURER IS SPECIFIED. WHERE "OR APPROVED EQUAL" IS USED, THE LANDSCAPE ARCHITECT ALONE SHALL DETERMINE THE SUITABILITY AND ACCEPTABILITY OF A SUBSTITUTION REQUESTED BY THE CONTRACTOR. ALL MATERIALS SHALL BE NEW, UNUSED, AND OF THE HIGHEST QUALITY IN EVERY RESPECT.

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO INSTALL ALL EQUIPMENT AND MATERIALS PER MANUFACTURER'S RECOMMENDATIONS.

CONTRACTOR SHALL SUBMIT LEGIBLE SHOP DRAWINGS FOR ALL ITEMS NOT SPECIFICALLY DETAILED.

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L-5026	DETAILS - SIGNAGE
L-5027	DETAILS - SIGNAGE
L-5028	DETAILS - SIGNAGE
L-5029	DETAILS - SIGNAGE



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INFRASTRUCTURE DIVISION  
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EMB Mgr. \_\_\_\_\_  
WWE Engineering Mgr. \_\_\_\_\_  
WWE O&M Mgr. \_\_\_\_\_  
Section Mgr. \_\_\_\_\_  
Designed \_\_\_\_\_  
Drawn \_\_\_\_\_  
Checked/Approved \_\_\_\_\_

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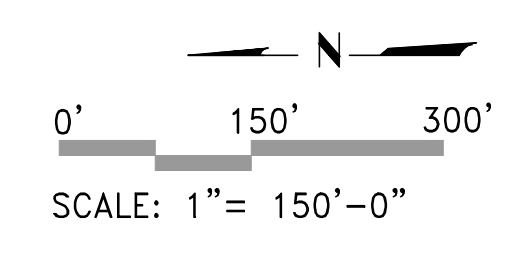
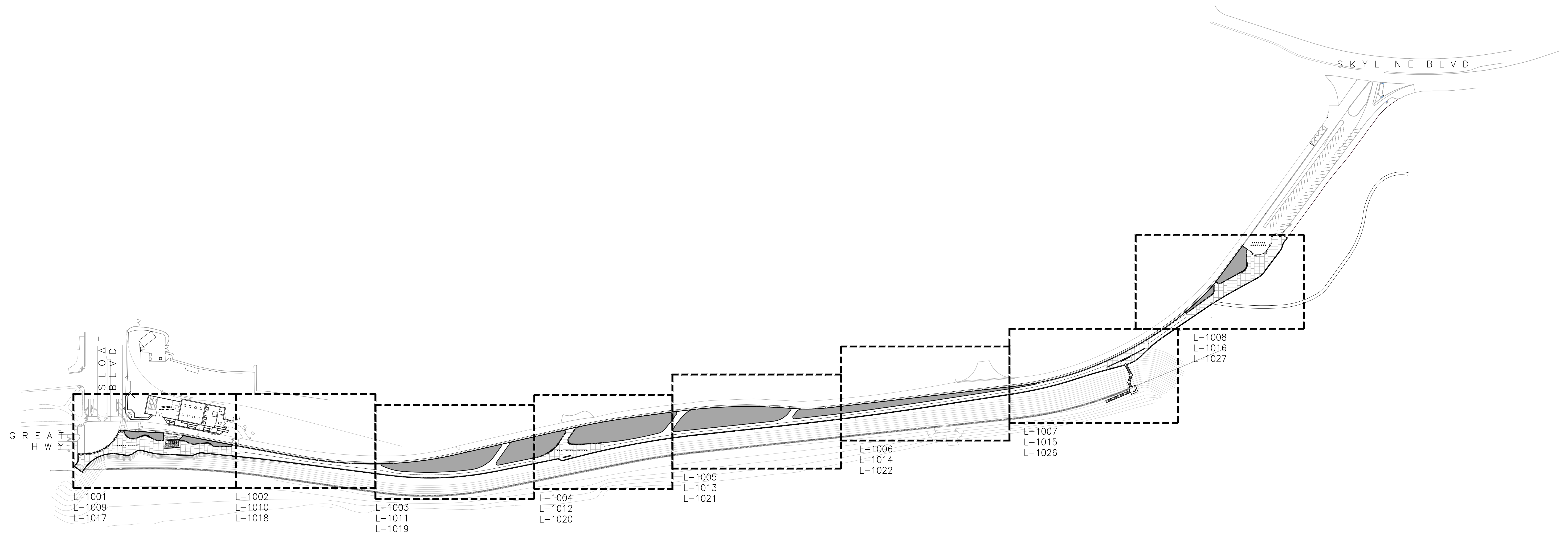
**MUNDEN FRY LANDSCAPE ASSOCIATES**  
**MFLA**


MUNDEN FRY LANDSCAPE ASSOCIATES  
105 W. NORTH STREET, HEALDSBURG, CA 95448  
415-643-8202



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Contract No <b>WW-662</b>		<b>OCEAN BEACH CLIMATE CHANGE ADAPTATION PROJECT - LONG TERM IMPROVEMENTS</b>	<b>L-0001</b>
Elevation Datum XXXX		Drawing Title <b>INDEX, NOTES AND ABBREVIATIONS</b>	Project No. PROJECT NO.
Drawing/File No		Revision No. 0	Scale: AS SHOWN




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MUNDEN FRY LANDSCAPE ASSOCIATES  
**MFLA**  
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 105 W. NORTH STREET, HEALDSBURG, CA 95448  
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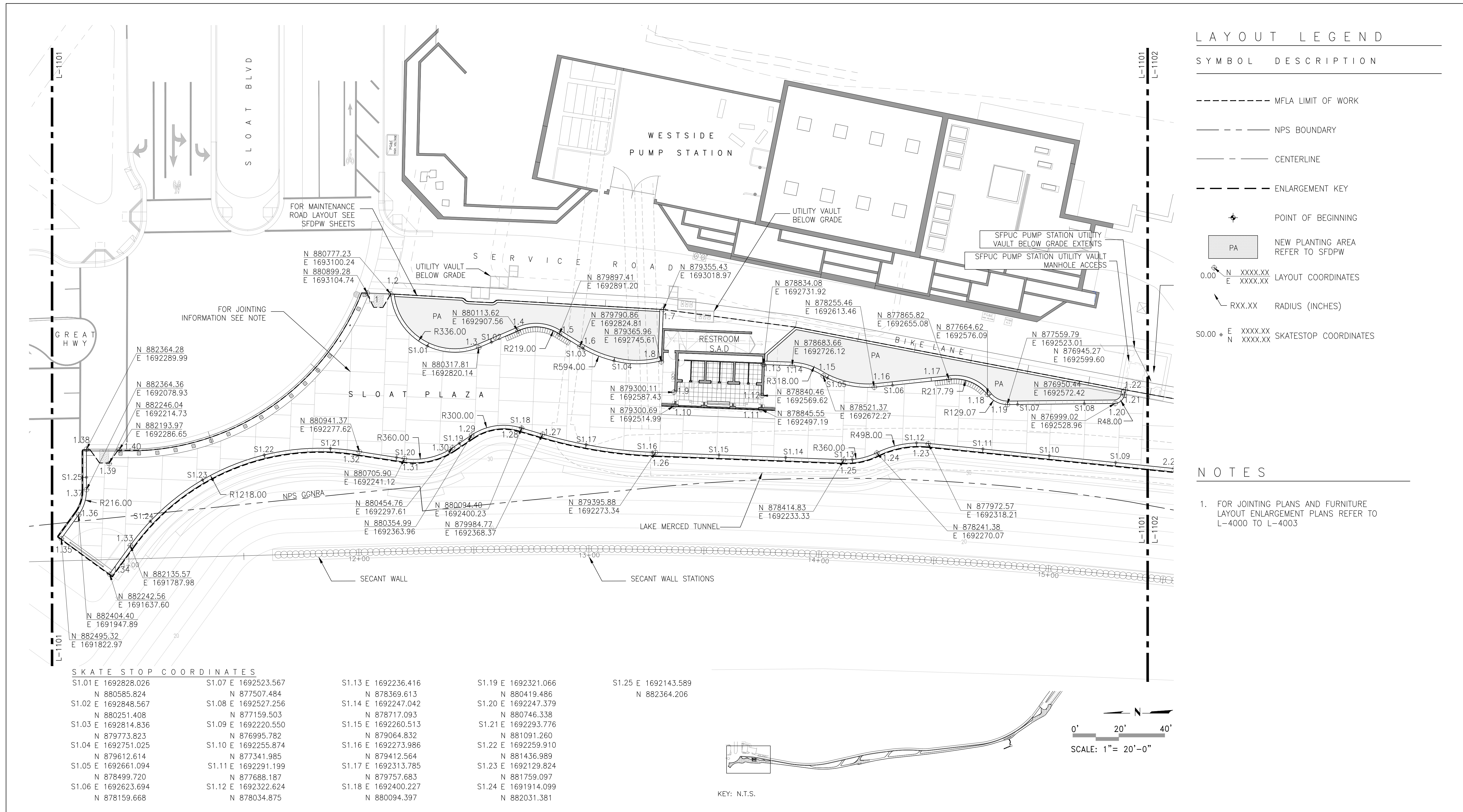
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 Approved \_\_\_\_\_  
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Contract No <b>WW-662</b>	Drawing Title <b>KEY PLAN</b>		Project No. PROJECT NO.
Elevation Datum XXXX	Drawing/File No	Revision No. 0	Scale: AS SHOWN



**LAYOUT LEGEND**

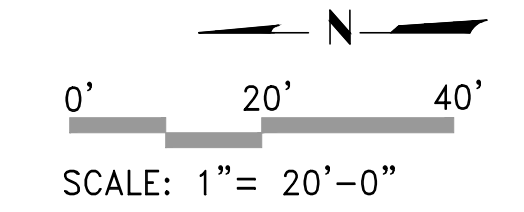
SYMBOL	DESCRIPTION
---	MFLA LIMIT OF WORK
---	NPS BOUNDARY
---	CENTERLINE
---	ENLARGEMENT KEY
+	POINT OF BEGINNING
PA	NEW PLANTING AREA REFER TO SFDPW
0.00 + N XXXX.XX E XXXX.XX	LAYOUT COORDINATES
RXX.XX	RADIUS (INCHES)
S0.00 + N XXXX.XX E XXXX.XX	SKATESTOP COORDINATES

**NOTES**

1. FOR JOINTING PLANS AND FURNITURE LAYOUT ENLARGEMENT PLANS REFER TO L-4000 TO L-4003

**SKATE STOP COORDINATES**

S1.01 E 1692828.026	S1.07 E 1692523.567	S1.13 E 1692236.416	S1.19 E 1692321.066	S1.25 E 1692143.589
N 880585.824	N 877507.484	N 878369.613	N 880419.486	N 882364.206
S1.02 E 1692848.567	S1.08 E 1692527.256	S1.14 E 1692247.042	S1.20 E 1692247.379	
N 880251.408	N 877159.503	N 878717.093	N 880746.338	
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N 879773.823	N 876995.782	N 879064.832	N 881091.260	
S1.04 E 1692751.025	S1.10 E 1692255.874	S1.16 E 1692273.986	S1.22 E 1692259.910	
N 879612.614	N 877341.985	N 879412.564	N 881436.989	
S1.05 E 1692661.094	S1.11 E 1692291.199	S1.17 E 1692313.785	S1.23 E 1692129.824	
N 878499.720	N 877688.187	N 879757.683	N 881759.097	
S1.06 E 1692623.694	S1.12 E 1692322.624	S1.18 E 1692400.227	S1.24 E 1691914.099	
N 878159.668	N 878034.875	N 880094.397	N 882031.381	



KEY: N.T.S.

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WWE Engineering Mgr.	_____
WWE O&M Mgr.	_____
Section Mgr.	_____
Designed	_____
Drawn	_____
Checked/Approved	_____

Proj. Mgr. \_\_\_\_\_

Proj. Engr. \_\_\_\_\_

Approved \_\_\_\_\_

Designed \_\_\_\_\_

Drawn \_\_\_\_\_

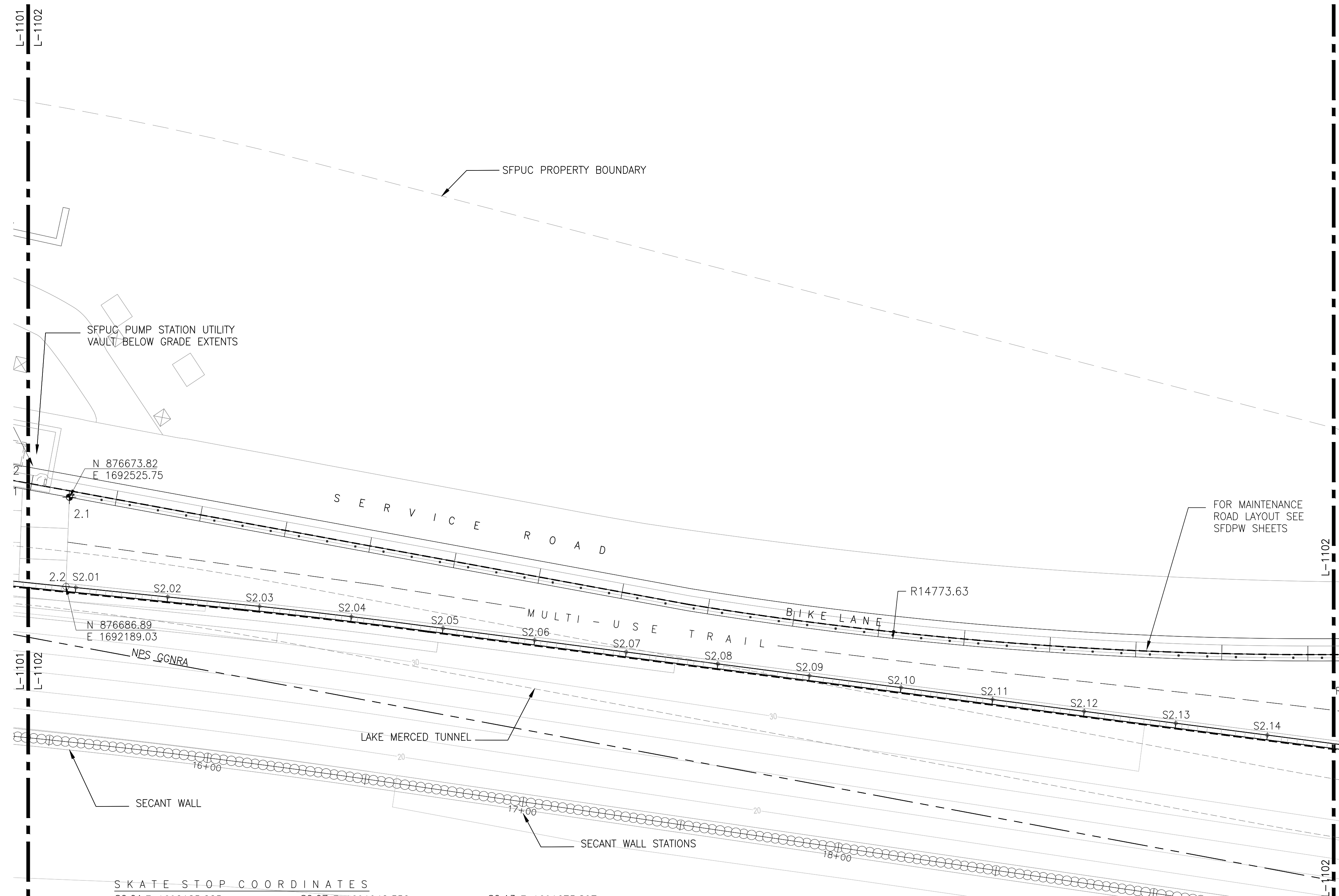
Checked by \_\_\_\_\_

MUNDEN FRY LANDSCAPE ARCHITECTURE  
105 W. NORTH STREET, HEALDSBURG, CA 95448  
415-643-8202

95% SUBMITTAL		3/01/2023
No.	Date	Revisions

<p>FOR THE SOLE USE OF THE DOCUMENT RECIPIENT - DO NOT CITE, COPY, OR CIRCULATE WITHOUT THE EXPRESSED PERMISSION OF THE SFPUC.</p>	<p>Project <b>OCEAN BEACH CLIMATE CHANGE ADAPTATION PROJECT - LONG TERM IMPROVEMENTS</b></p>	<p>Plan No. <b>L-1001</b></p>
<p>Contract No <b>WW-662</b></p>	<p>Drawing Title <b>LANDSCAPE LAYOUT PLAN 1</b></p>	<p>Project No. PROJECT NO.</p>
<p>Elevation Datum XXXX</p>	<p>Drawing/File No</p>	<p>Revision No. <b>0</b> Scale: AS SHOWN</p>





L A Y O U T L E G E N D

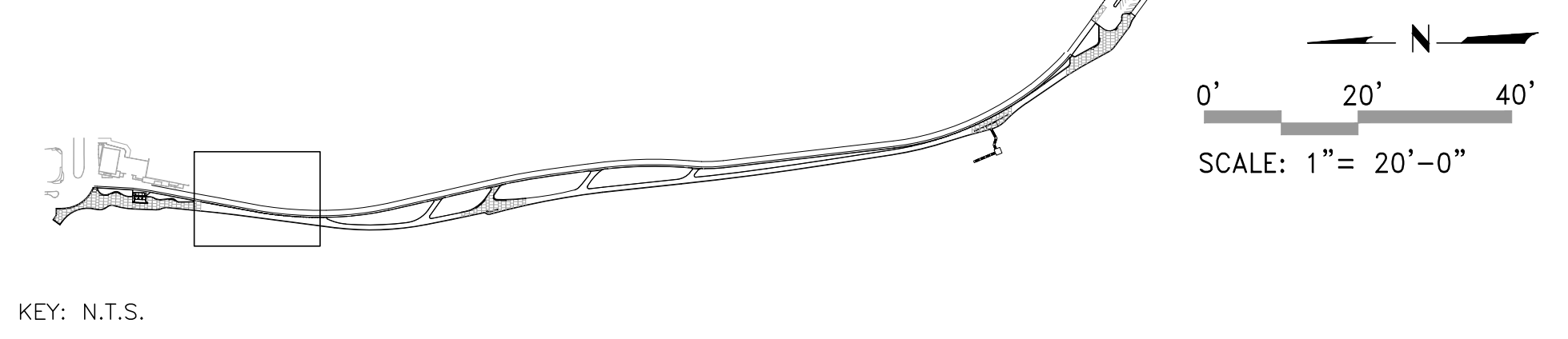
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- - - -	NPS BOUNDARY
---	CENTERLINE
---	ENLARGEMENT KEY
+	POINT OF BEGINNING
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0.00 + N XXXX.XX E XXXX.XX	LAYOUT COORDINATES
RXX.XX	RADIUS (INCHES)
S0.00 + E XXXX.XX N XXXX.XX	SKATESTOP COORDINATES

N O T E S

1. FOR JOINTING PLANS AND FURNITURE LAYOUT ENLARGEMENT PLANS REFER TO L-4000 TO L-4003

S K A T E S T O P C O O R D I N A T E S

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N 876303.377	N 874230.740	S2.09 E 1691852.866
S2.03 E 1692114.459	S2.09 E 1691852.866	N 873885.629
N 875957.181	N 873885.629	S2.10 E 1691808.123
S2.04 E 1692075.548	S2.10 E 1691808.123	N 873540.517
N 875611.337	N 873540.517	S2.11 E 1691763.381
S2.05 E 1692031.834	S2.11 E 1691763.381	N 873195.405
N 875266.076	N 873195.405	S2.12 E 1691718.639
S2.06 E 1691987.092	S2.12 E 1691718.639	N 872850.293
N 874920.964	N 872850.293	



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Section Mgr. \_\_\_\_\_  
Designed \_\_\_\_\_  
Drawn \_\_\_\_\_  
Checked/Approved \_\_\_\_\_

Proj. Mgr. \_\_\_\_\_  
Proj. Engr. \_\_\_\_\_  
Approved \_\_\_\_\_  
Designed \_\_\_\_\_  
Drawn \_\_\_\_\_  
Checked by \_\_\_\_\_

MUNDEN FRY LANDSCAPE ASSOCIATES

**MFLA**

MUNDEN FRY LANDSCAPE ARCHITECTURE  
105 W. NORTH STREET, HEALDSBURG, CA 95448  
415-643-8202

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No.	Date	Revisions

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Contract No WW-662	Drawing Title LANDSCAPE LAYOUT PLAN 2	Project No. PROJECT NO.
Elevation Datum XXXX	Drawing/File No	Revision No. 0 Scale: AS SHOWN

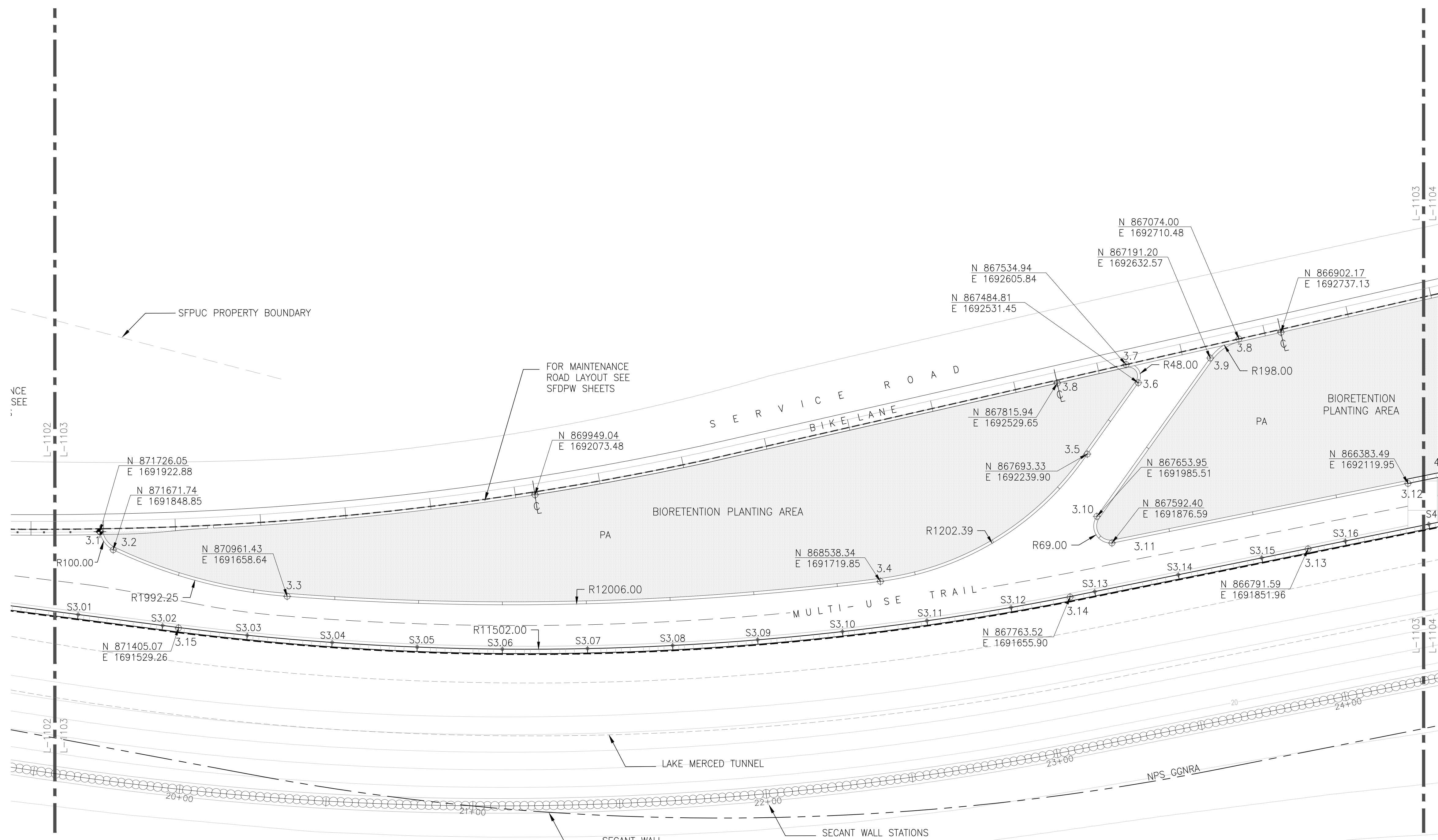
L A Y O U T L E G E N D

S Y M B O L D E S C R I P T I O N

- MFLA LIMIT OF WORK
- NPS BOUNDARY
- CENTERLINE
- ENLARGEMENT KEY
- ◆ POINT OF BEGINNING
- PA NEW PLANTING AREA REFER TO SFDPW
- 0.00 + N XXXX.XX  
E XXXX.XX LAYOUT COORDINATES
- RXX.XX RADIUS (INCHES)
- S0.00 + E XXXX.XX  
N XXXX.XX SKATESTOP COORDINATES

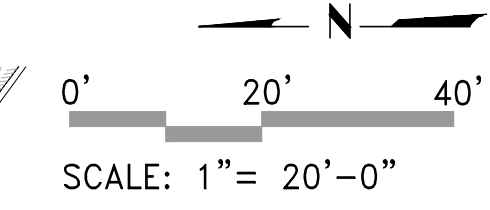
N O T E S

1. FOR JOINTING PLANS AND FURNITURE LAYOUT ENLARGEMENT PLANS REFER TO L-4000 TO L-4003



S K A T E S T O P C O O R D I N A T E S

S3.01 E 1691584.412	S3.07 E 1691445.136	S3.13 E 1691678.276
N 871814.958	N 869734.386	N 867662.690
S3.02 E 1691539.670	S3.08 E 1691457.798	S3.14 E 1691747.090
N 871469.846	N 869386.690	N 867321.561
S3.03 E 1691499.680	S3.09 E 1691480.970	S3.15 E 1691815.904
N 871124.225	N 869039.537	N 866980.433
S3.04 E 1691470.281	S3.10 E 1691514.632	S3.16 E 1691884.716
N 870777.543	N 868693.243	N 866639.314
S3.05 E 1691451.380	S3.11 E 1691558.752	
N 870430.131	N 868348.125	
S3.06 E 1691442.996	S3.12 E 1691613.291	
N 870082.306	N 868004.500	



KEY: N.T.S.



EMB Mgr. \_\_\_\_\_  
 WVE Engineering Mgr. \_\_\_\_\_  
 WVE O&M Mgr. \_\_\_\_\_  
 Section Mgr. \_\_\_\_\_  
 Designed \_\_\_\_\_  
 Drawn \_\_\_\_\_  
 Checked/Approved \_\_\_\_\_



MUNDEN FRY LANDSCAPE ARCHITECTURE  
 105 W. NORTH STREET, HEALDSBURG, CA 95448  
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Proj. Mgr. \_\_\_\_\_  
 Proj. Engr. \_\_\_\_\_  
 Approved \_\_\_\_\_  
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No.	Date	Revisions

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Contract No  
**WW-662**

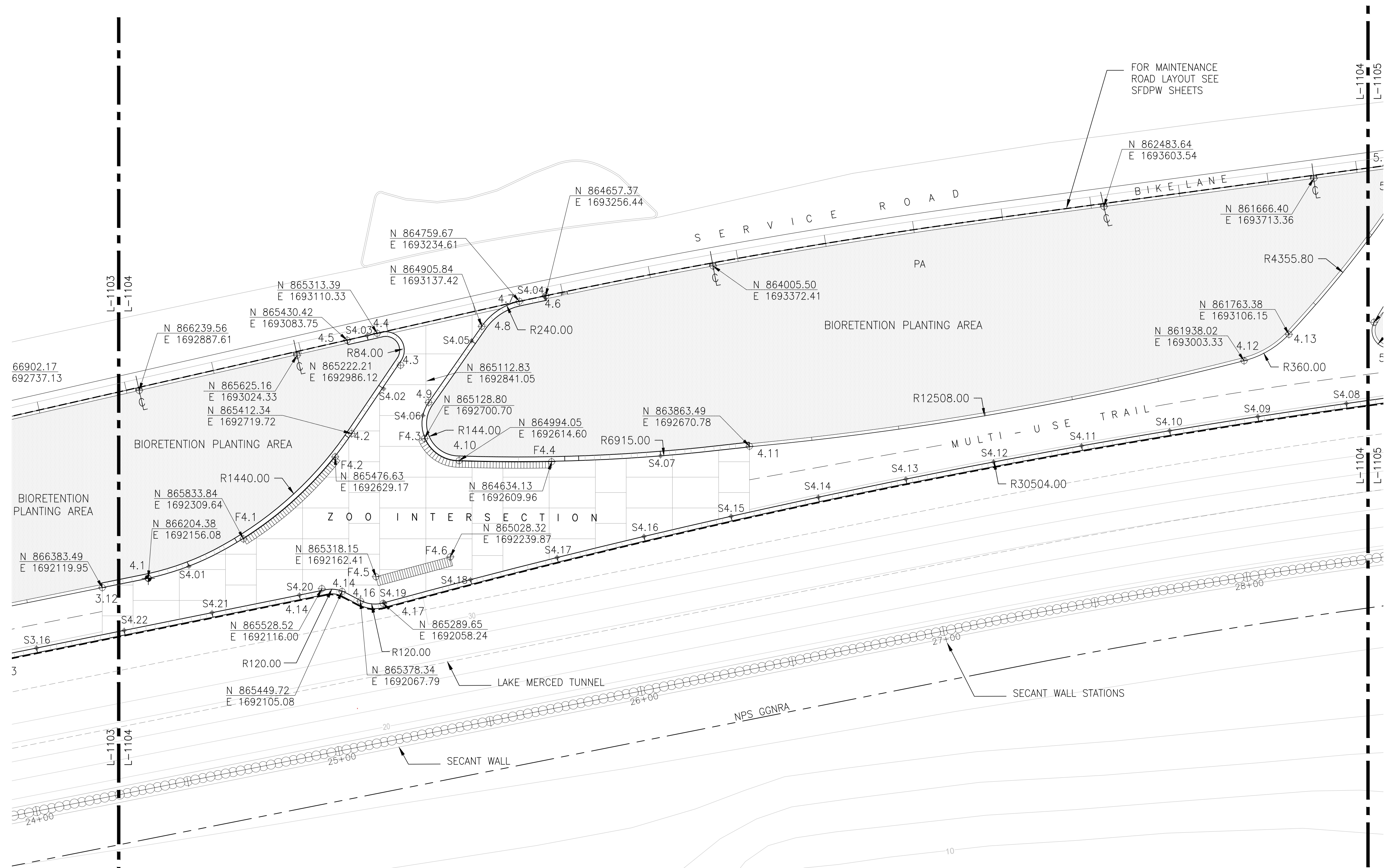
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Project  
**OCEAN BEACH CLIMATE CHANGE ADAPTATION PROJECT - LONG TERM IMPROVEMENTS**  
 Plan No.  
**L-1003**

Drawing Title  
**LANDSCAPE LAYOUT PLAN 3**  
 Project No.  
 PROJECT NO.

Drawing/File No  
 Revision No. 0  
 Scale: AS SHOWN

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L A Y O U T L E G E N D

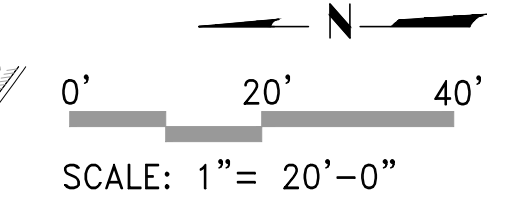
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+	POINT OF BEGINNING
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N XXXX.XX E XXXX.XX	LAYOUT COORDINATES
RXX.XX	RADIUS (INCHES)
S0.00 + E XXXX.XX N XXXX.XX	SKATESTOP COORDINATES

N O T E S

- FOR JOINTING PLANS AND FURNITURE LAYOUT ENLARGEMENT PLANS REFER TO L-4000 TO L-4003

S K A T E S T O P C O O R D I N A T E S

S4.01 E 1692202.514	S4.07 E 1692632.939	S4.13 E 1692542.719	S4.19 E 1692061.324
N 866045.972	N 864209.713	N 863254.479	N 865285.949
S4.02 E 1692894.211	S4.08 E 1692836.952	S4.14 E 1692472.162	S4.20 E 1692091.152
N 865287.805	N 861539.660	N 863595.272	N 865615.962
S4.03 E 1693101.477	S4.09 E 1692785.939	S4.15 E 1692397.721	S4.21 E 1692022.543
N 865352.458	N 861883.922	N 863935.239	N 865956.071
S4.04 E 1693255.305	S4.10 E 1692731.002	S4.16 E 1692319.406	S4.22 E 1691953.532
N 864662.724	N 862227.580	N 864274.334	N 866298.177
S4.05 E 1693080.714	S4.11 E 1692672.148	S4.17 E 1692237.228	
N 864945.448	N 862570.588	N 864612.513	
S4.06 E 1692790.130	S4.12 E 1692609.384	S4.18 E 1692151.197	
N 865135.276	N 862912.903	N 864949.733	



KEY: N.T.S.



EMB Mgr. \_\_\_\_\_  
 WWE Engineering Mgr. \_\_\_\_\_  
 WWE O&M Mgr. \_\_\_\_\_  
 Section Mgr. \_\_\_\_\_  
 Designed \_\_\_\_\_  
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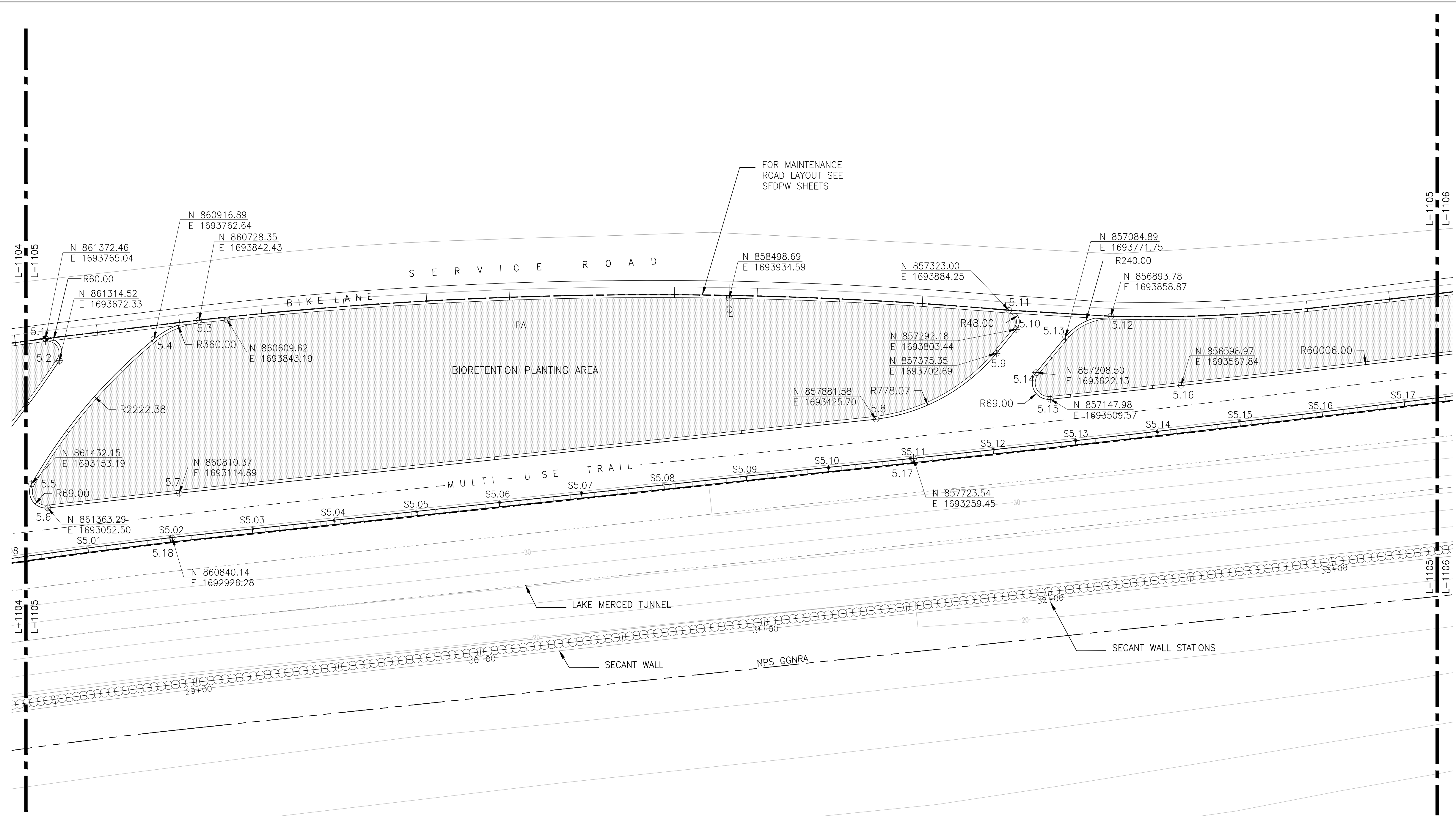
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 Proj. Engr. \_\_\_\_\_  
 Approved \_\_\_\_\_  
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Contract No. WW-662		OCEAN BEACH CLIMATE CHANGE ADAPTATION PROJECT - LONG TERM IMPROVEMENTS	L-1004
Elevation Datum XXXX	Drawing Title	Project No.	PROJECT NO.
	LANDSCAPE LAYOUT PLAN 4		
Drawing/File No.	Revision No. 0	Scale:	AS SHOWN

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L A Y O U T L E G E N D

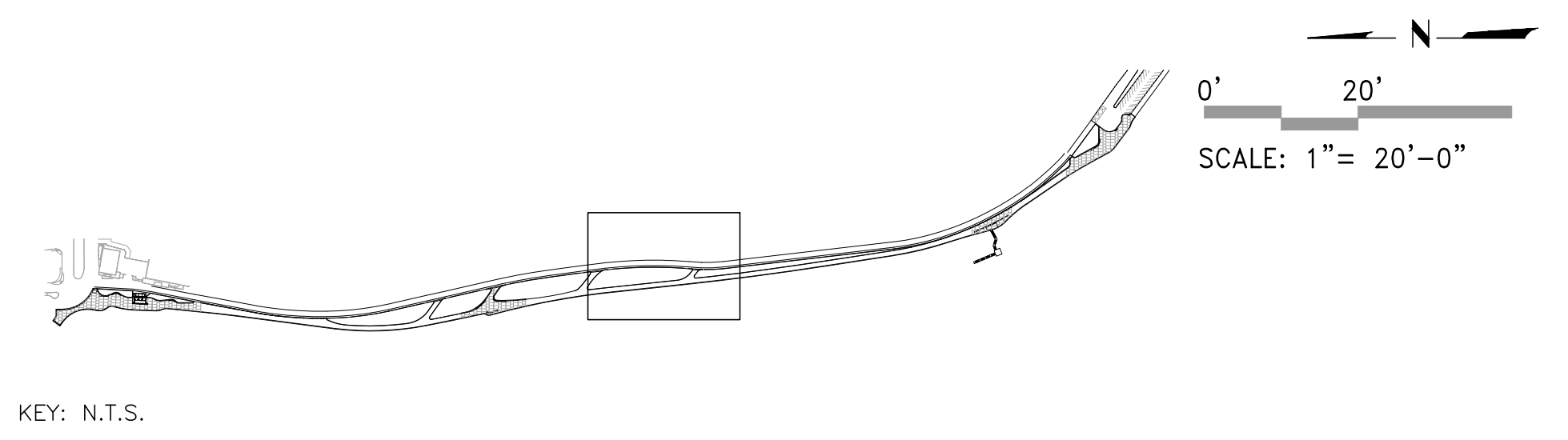
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+	POINT OF BEGINNING
PA	NEW PLANTING AREA REFER TO SFDPW
N XXXX.XX E XXXX.XX	LAYOUT COORDINATES
RXX.XX	RADIUS (INCHES)
S0.00 + N XXXX.XX E XXXX.XX	SKATESTOP COORDINATES

N O T E S

1. FOR JOINTING PLANS AND FURNITURE LAYOUT ENLARGEMENT PLANS REFER TO L-4000 TO L-4003

SKATE STOP COORDINATES

S5.01 E 1692884.033	S5.07 E 1693112.244	S5.13 E 1693335.603
N 861194.839	N 859119.348	N 857043.348
S5.02 E 1692927.178	S5.08 E 1693149.235	S5.14 E 1693374.801
N 860849.502	N 858773.320	N 856697.574
S5.03 E 1692964.281	S5.09 E 1693186.226	S5.15 E 1693415.001
N 860503.462	N 858427.292	N 856351.917
S5.04 E 1693001.271	S5.10 E 1693223.216	S5.16 E 1693456.203
N 860157.434	N 858081.263	N 856006.379
S5.05 E 1693038.262	S5.11 E 1693260.207	S5.17 E 1693498.408
N 859811.405	N 857735.235	N 855660.963
S5.06 E 1693075.253	S5.12 E 1693297.408	
N 859465.377	N 857389.235	



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WWE O&M Mgr. \_\_\_\_\_

Section Mgr. \_\_\_\_\_

Designed \_\_\_\_\_

Drawn \_\_\_\_\_

Checked/Approved \_\_\_\_\_

Proj. Mgr. \_\_\_\_\_

Proj. Engr. \_\_\_\_\_

Approved \_\_\_\_\_

Designed \_\_\_\_\_

Drawn \_\_\_\_\_

Checked by \_\_\_\_\_

MUNDEN FRY LANDSCAPE ASSOCIATES

**MFLA**

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Project: OCEAN BEACH CLIMATE CHANGE ADAPTATION PROJECT - LONG TERM IMPROVEMENTS

Plan No.: L-1005

Contract No: WW-662

Drawing Title: LANDSCAPE LAYOUT PLAN 5

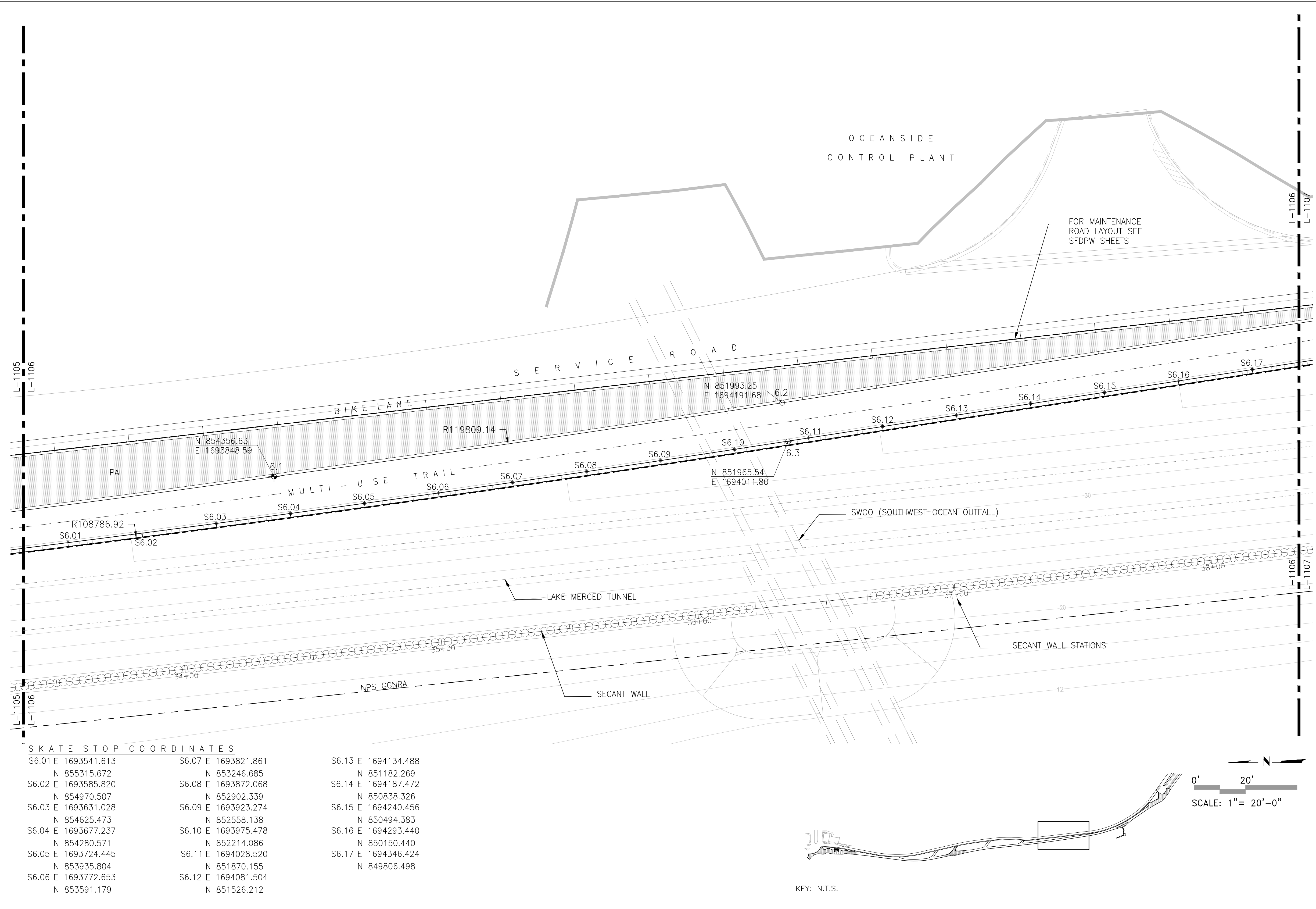
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Elevation Datum: XXXX

Drawing/File No: \_\_\_\_\_

Revision No.: 0

Scale: AS SHOWN



### LAYOUT LEGEND

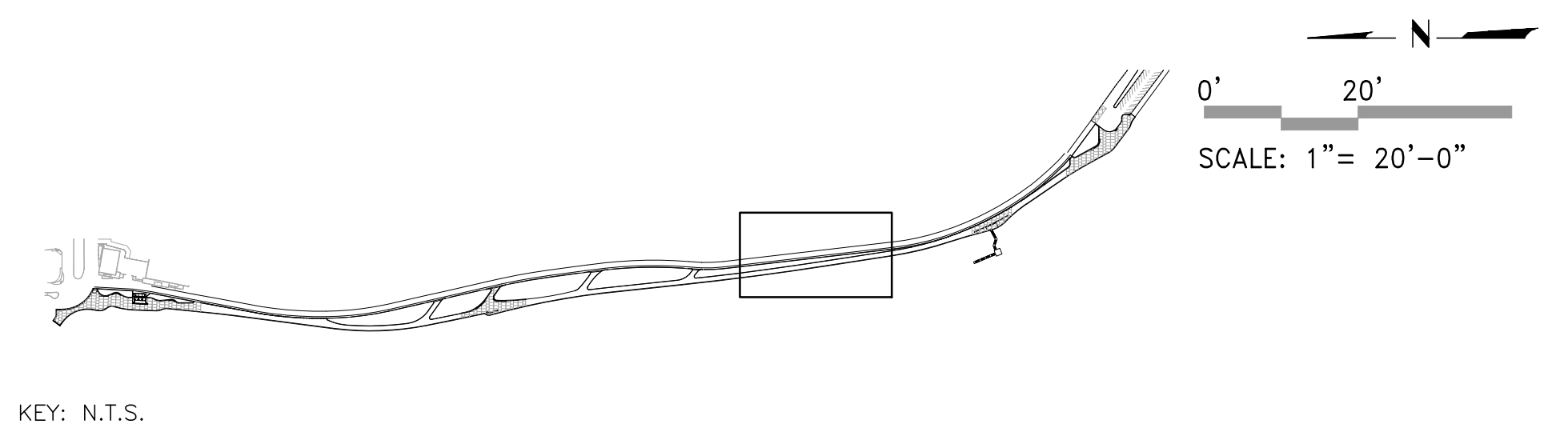
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---	NPS BOUNDARY
---	CENTERLINE
---	ENLARGEMENT KEY
+	POINT OF BEGINNING
PA	NEW PLANTING AREA REFER TO SFDPW
0.00 + N XXXX.XX E XXXX.XX	LAYOUT COORDINATES
RXX.XX	RADIUS (INCHES)
S0.00 + E XXXX.XX N XXXX.XX	SKATESTOP COORDINATES

### NOTES

1. FOR JOINTING PLANS AND FURNITURE LAYOUT ENLARGEMENT PLANS REFER TO L-4000 TO L-4003

#### SKATE STOP COORDINATES

S6.01 E 1693541.613	S6.07 E 1693821.861	S6.13 E 1694134.488
N 855315.672	N 853246.685	N 851182.269
S6.02 E 1693585.820	S6.08 E 1693872.068	S6.14 E 1694187.472
N 854970.507	N 852902.339	N 850838.326
S6.03 E 1693631.028	S6.09 E 1693923.274	S6.15 E 1694240.456
N 854625.473	N 852558.138	N 850494.383
S6.04 E 1693677.237	S6.10 E 1693975.478	S6.16 E 1694293.440
N 854280.571	N 852214.086	N 850150.440
S6.05 E 1693724.445	S6.11 E 1694028.520	S6.17 E 1694346.424
N 853935.804	N 851870.155	N 849806.498
S6.06 E 1693772.653	S6.12 E 1694081.504	
N 853591.179	N 851526.212	



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 WVE O&M Mgr. \_\_\_\_\_  
 Section Mgr. \_\_\_\_\_  
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 Drawn \_\_\_\_\_  
 Checked/Approved \_\_\_\_\_

Proj. Mgr. \_\_\_\_\_  
 Proj. Engr. \_\_\_\_\_  
 Approved \_\_\_\_\_  
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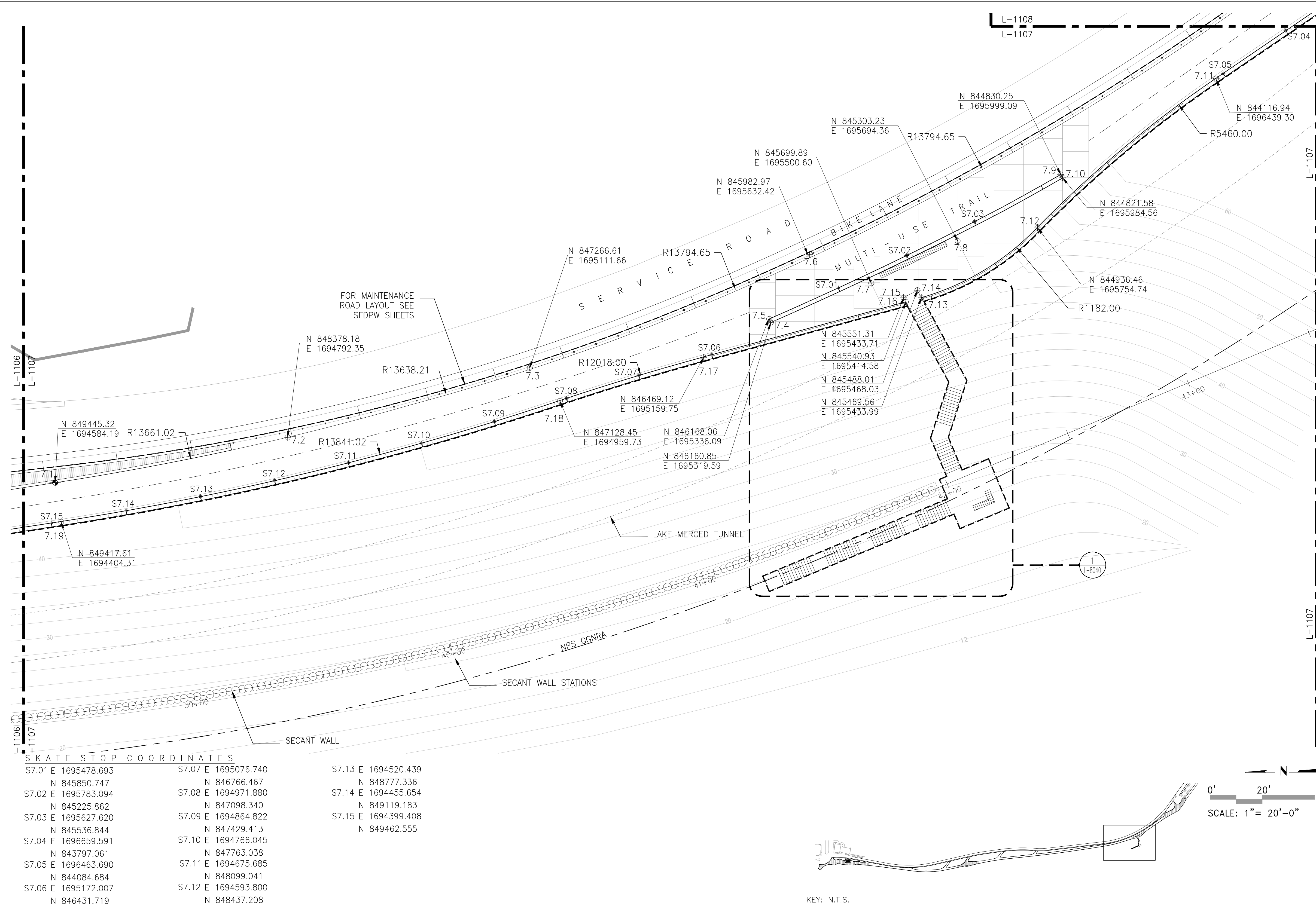
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Contract No <b>WW-662</b>	Drawing Title <b>LANDSCAPE LAYOUT PLAN 6</b>	Project No. PROJECT NO.
Elevation Datum XXXX	Drawing/File No	Revision No. 0 Scale: AS SHOWN

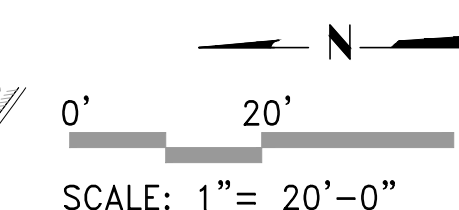


L A Y O U T   L E G E N D	
SYMBOL	DESCRIPTION
---	MFLA LIMIT OF WORK
---	NPS BOUNDARY
---	CENTERLINE
---	ENLARGEMENT KEY
+	POINT OF BEGINNING
PA	NEW PLANTING AREA REFER TO SFPDW
0.00 + N XXXX.XX E XXXX.XX	LAYOUT COORDINATES
RXX.XX	RADIUS (INCHES)
S0.00 + E XXXX.XX N XXXX.XX	SKATESTOP COORDINATES

**NOTES**

1. FOR JOINTING PLANS AND FURNITURE LAYOUT ENLARGEMENT PLANS REFER TO L-4000 TO L-4003

SKATE STOP COORDINATES		
S7.01 E 1695478.693	S7.07 E 1695076.740	S7.13 E 1694520.439
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S7.02 E 1695783.094	S7.08 E 1694971.880	S7.14 E 1694455.654
N 845225.862	N 847098.340	N 849119.183
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N 845536.844	N 847429.413	N 849462.555
S7.04 E 1696659.591	S7.10 E 1694766.045	
N 843797.061	N 847763.038	
S7.05 E 1696463.690	S7.11 E 1694675.685	
N 844084.684	N 848099.041	
S7.06 E 1695172.007	S7.12 E 1694593.800	
N 846431.719	N 848437.208	



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EMB Mgr. \_\_\_\_\_  
WWE Engineering Mgr. \_\_\_\_\_  
WWE O&M Mgr. \_\_\_\_\_  
Section Mgr. \_\_\_\_\_  
Designed \_\_\_\_\_  
Drawn \_\_\_\_\_  
Checked/Approved \_\_\_\_\_

**MUNDEN FRY LANDSCAPE ASSOCIATES**  
**MFLA**

MUNDEN FRY LANDSCAPE ARCHITECTURE  
105 W. NORTH STREET, HEALDSBURG, CA 95448  
415-643-8202

Proj. Mgr. \_\_\_\_\_  
Proj. Engr. \_\_\_\_\_  
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Contract No <b>WW-662</b>	Drawing Title <b>LANDSCAPE LAYOUT PLAN 7</b>	Project No. PROJECT NO.	
Elevation Datum XXXX	Drawing/File No	Revision No. 0	Scale: AS SHOWN

L-1108

L-1108

L-1107

L-1107

SKATE STOP COORDINATES


S8.01 E 1697211.751 N 843372.326	S8.06 E 1698340.440 N 842025.522	S8.11 E 1699288.798 N 840177.802	S8.16 E 1698156.448 N 841451.751	S8.21 E 1697051.393 N 843221.816
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L A Y O U T L E G E N D

SYMBOL	DESCRIPTION
---	MFLA LIMIT OF WORK
---	NPS BOUNDARY
---	CENTERLINE
---	ENLARGEMENT KEY
+	POINT OF BEGINNING
PA	NEW PLANTING AREA REFER TO SFPDW
0.00 + N XXXX.XX E XXXX.XX	LAYOUT COORDINATES
RXX.XX	RADIUS (INCHES)
S0.00 + E XXXX.XX N XXXX.XX	SKATESTOP COORDINATES

N O T E S

- FOR JOINTING PLANS AND FURNITURE LAYOUT ENLARGEMENT PLANS REFER TO L-4000 TO L-4003



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WWE Engineering Mgr. \_\_\_\_\_  
WWE O&M Mgr. \_\_\_\_\_  
Section Mgr. \_\_\_\_\_  
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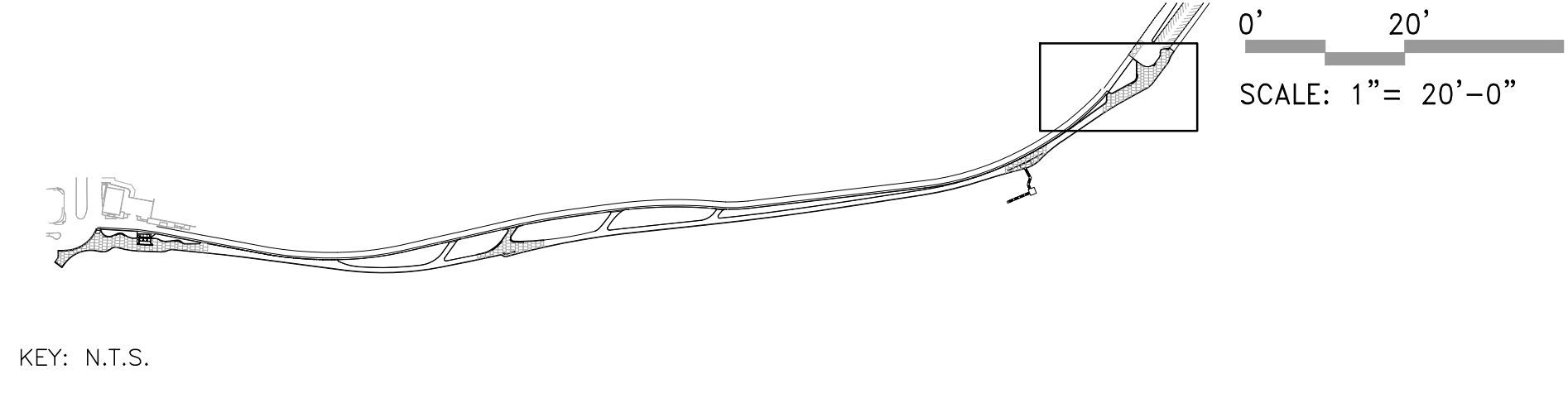
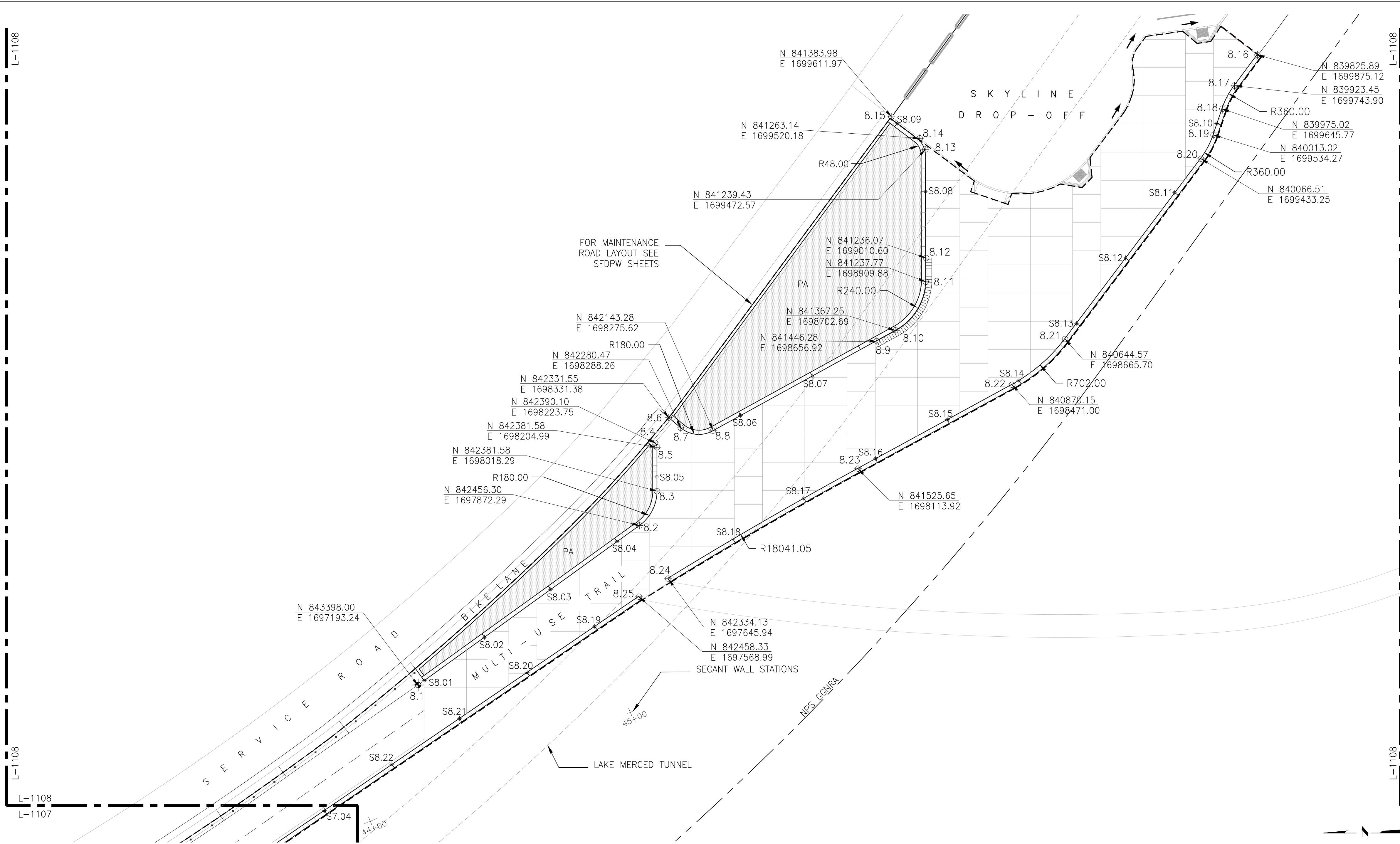
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Approved \_\_\_\_\_  
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Drawn \_\_\_\_\_  
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MUNDEN FRY LANDSCAPE ASSOCIATES  
**MFLA**  
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415-543-8202

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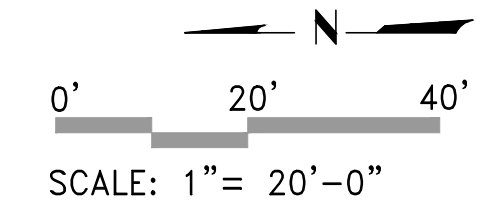
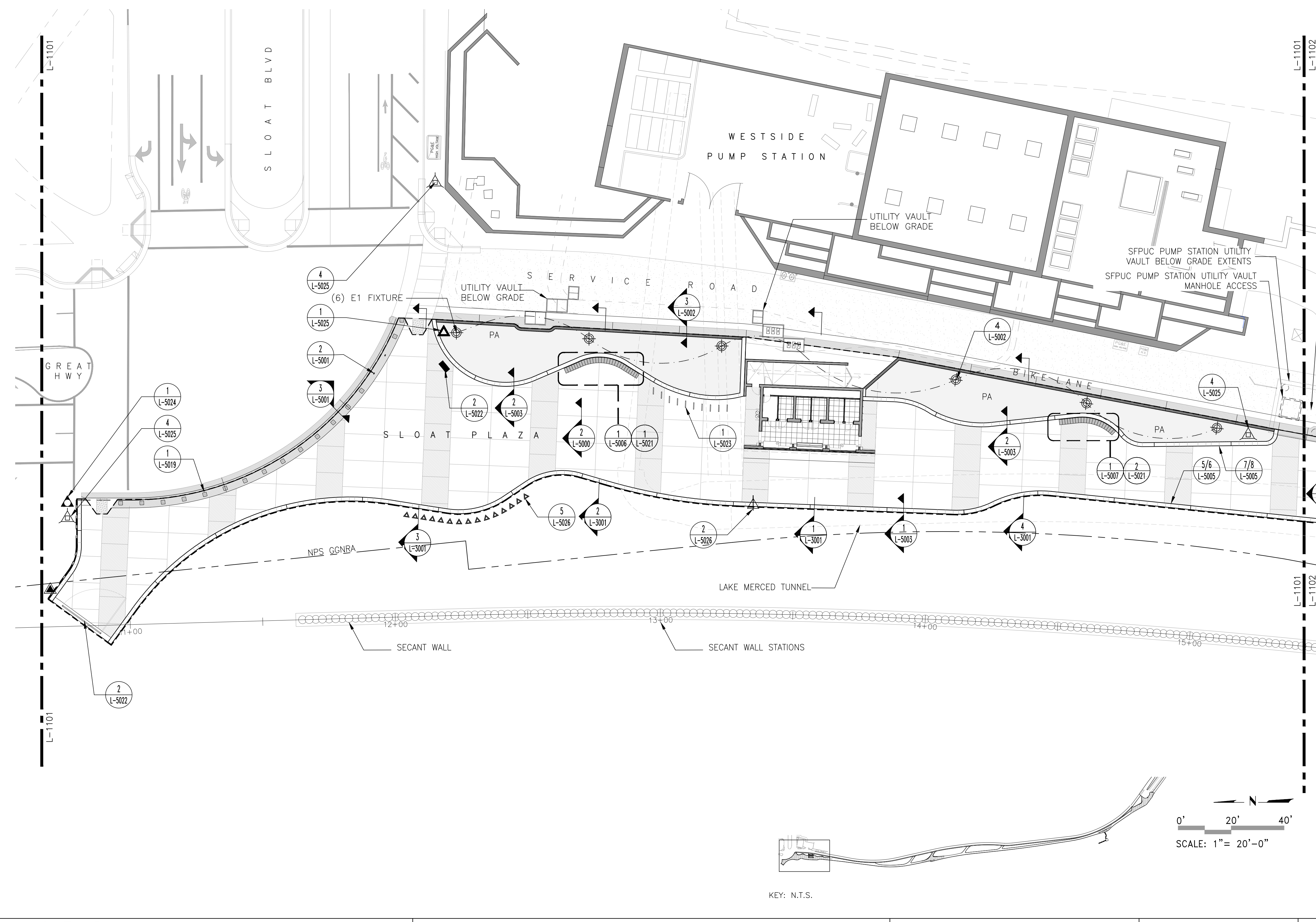
No.	Date	Revisions

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Contract No. <b>WW-662</b>	Drawing Title <b>LANDSCAPE LAYOUT PLAN 8</b>	Project No. PROJECT NO.	
Elevation Datum XXXX	Drawing/File No.	Revision No. 0	Scale: AS SHOWN



MATERIAL LEGEND

SYMBOL	DESCRIPTION	QUANTITY
---	MFLA LIMIT OF WORK	
---	NPS BOUNDARY	
P1	CONCRETE PAVING TYPE 1	
P2	CONCRETE PAVING TYPE 2	
ASPHALT	ASPHALT PAVING	
---	PAVING JOINT - SEE JOINTING PLAN	
---	WALLS; TYPE 1 & 2	
---	BASIN SCUPPER DRAINS AT WALL	
---	DRAINAGE INLET AT RETENTION BASIN	
---	CURB TYPE 1	
---	CURB TYPE 2	
---	CURB TYPE 3	
---	HEADER	
---	BENCH	
---	BEACH ACCESS STAIR AND GUARDRAIL	
---	GUARDRAIL AT WALL	
---	VEGETATION BARRIER	
---	SAND LADDER GATE	
---	BOLLARD 1	
---	BOLLARD 2	
---	BOLLARD 3	
▲	SIGNAGE TYPE 1: PARK IDENTIFICATION	
▲	SIGNAGE TYPE 2: PARK RULES	
▲	SIGNAGE TYPE 3: WAYFINDING	
▲	SIGNAGE TYPE 4: ATTENTION/WARNING	
▲	SIGNAGE TYPE 5: NPS BEACH ACCESS	
▲▲▲▲▲▲	SIGNAGE TYPE 6: INTERPRETIVE	
▲	SIGNAGE TYPE 7: INTERPRETIVE	
▲▲▲▲▲▲	SIGNAGE TYPE 8: INTERPRETIVE	
	BIKE RACKS	
■	WASTE BIN	
PA	(N) PLANTING AREA PLANTING BY SFPDW, S.C.D.	
E1	FIXTURE TYPE I 15' SOLAR POLE LIGHT	15
E2	FIXTURE TYPE II 3' SOLAR BOLLARD LIGHT	15
E3	FIXTURE TYPE IV PROPOSED CALTRANS LIGHT, SCD	2
E4	FIXTURE TYPE V EXISTING CALTRANS LIGHT, SCD	2
E5	FIXTURE TYPE VI 25' SOLAR POLE LIGHT	1



KEY: N.T.S.



EMB Mgr. \_\_\_\_\_  
 WW Engineering Mgr. \_\_\_\_\_  
 WW O&M Mgr. \_\_\_\_\_  
 Section Mgr. \_\_\_\_\_  
 Designed \_\_\_\_\_  
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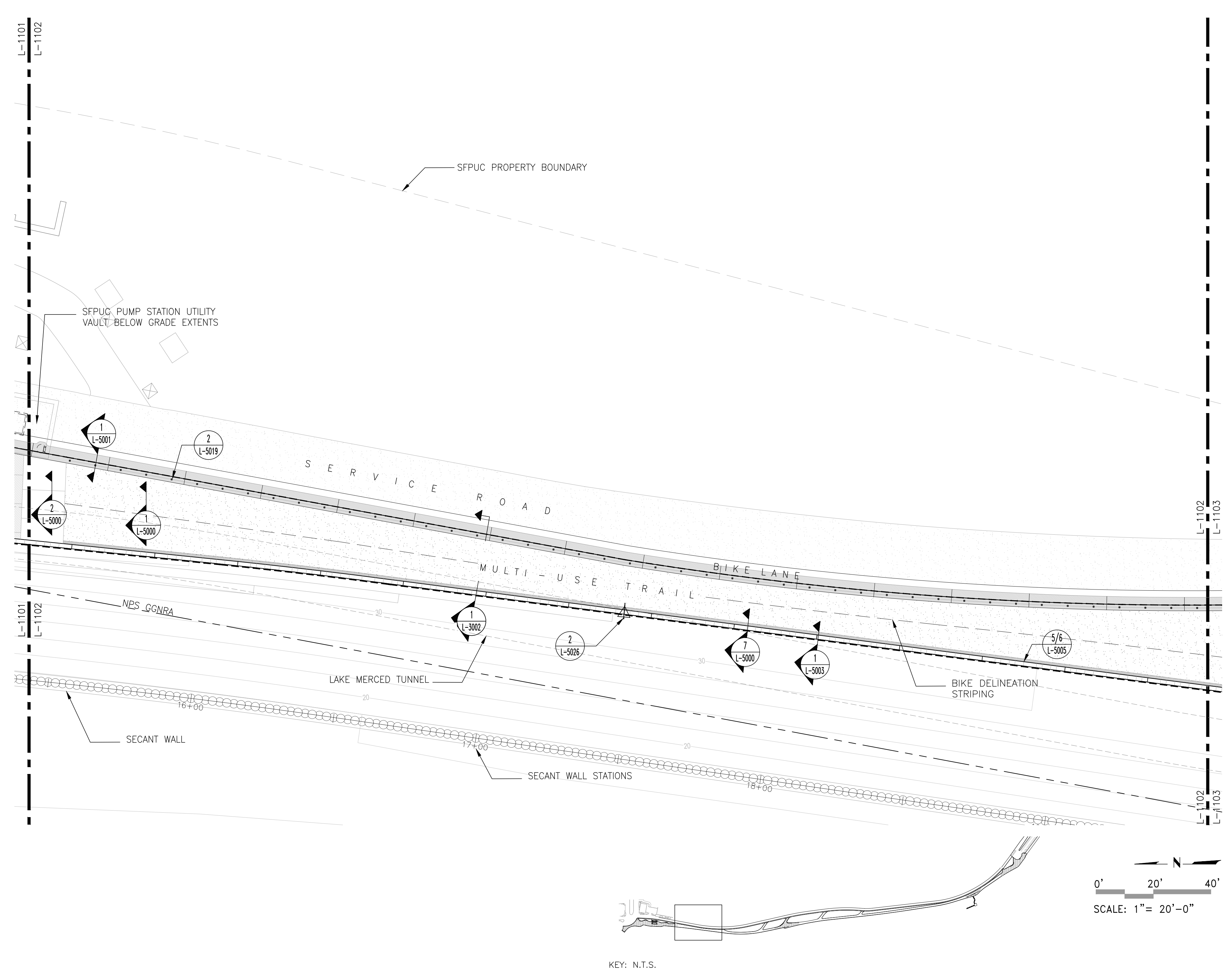
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Contract No <b>WW-662</b>	Drawing Title <b>LANDSCAPE MATERIAL PLAN 1</b>	Project No. PROJECT NO.
Elevation Datum XXXX	Drawing/File No	Revision No. 0 Scale: AS SHOWN





MATERIAL LEGEND		
SYMBOL	DESCRIPTION	
-----	MFLA LIMIT OF WORK	
-----	NPS BOUNDARY	
[P1]	CONCRETE PAVING TYPE 1	
[P2]	CONCRETE PAVING TYPE 2	
[ASPH]	ASPHALT PAVING	
---	PAVING JOINT - SEE JOINTING PLAN	
=====	WALLS; TYPE 1 & 2	
=====	BASIN SCUPPER DRAINS AT WALL	
=====	DRAINAGE INLET AT RETENTION BASIN	
=====	CURB TYPE 1	
=====	CURB TYPE 2	
=====	CURB TYPE 3	
=====	HEADER	
=====	BENCH	
=====	BEACH ACCESS STAIR AND GUARDRAIL	
=====	GUARDRAIL AT WALL	
-----	VEGETATION BARRIER	
-----	SAND LADDER GATE	
[BOL1]	BOLLARD 1	
[BOL2]	BOLLARD 2	
[BOL3]	BOLLARD 3	
[SIG1]	SIGNAGE TYPE 1: PARK IDENTIFICATION	
[SIG2]	SIGNAGE TYPE 2: PARK RULES	
[SIG3]	SIGNAGE TYPE 3: WAYFINDING	
[SIG4]	SIGNAGE TYPE 4: ATTENTION/WARNING	
[SIG5]	SIGNAGE TYPE 5: NPS BEACH ACCESS	
[SIG6]	SIGNAGE TYPE 6: INTERPRETIVE	
[SIG7]	SIGNAGE TYPE 7: INTERPRETIVE	
[SIG8]	SIGNAGE TYPE 8: INTERPRETIVE	
[BIK]	BIKE RACKS	
[WBS]	WASTE BIN	
[PA]	(N) PLANTING AREA PLANTING BY SFPDPW, S.C.D.	
[E1]	FIXTURE TYPE I 15' SOLAR POLE LIGHT	15
[E2]	FIXTURE TYPE II 3' SOLAR BOLLARD LIGHT	15
[E3]	FIXTURE TYPE IV PROPOSED CALTRANS LIGHT, SCD	2
[E4]	FIXTURE TYPE V EXISTING CALTRANS LIGHT, SCD	2
[E5]	FIXTURE TYPE VI 25' SOLAR POLE LIGHT	1

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WWWE O&M Mgr.	_____
Section Mgr.	_____
Designed	_____
Drawn	_____
Checked/Approved	_____

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Proj. Engr. \_\_\_\_\_

Approved \_\_\_\_\_

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Drawn \_\_\_\_\_

Checked by \_\_\_\_\_

MUNDEN FRY LANDSCAPE ASSOCIATES

MUNDEN FRY LANDSCAPE ARCHITECTURE  
105 W. NORTH STREET, HEALDSBURG, CA 95448  
415-543-8202

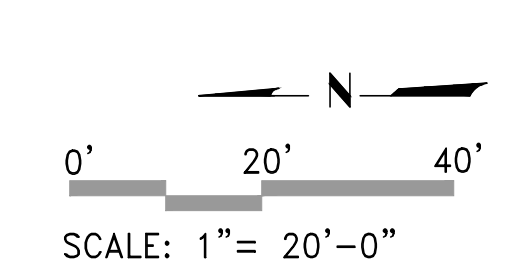
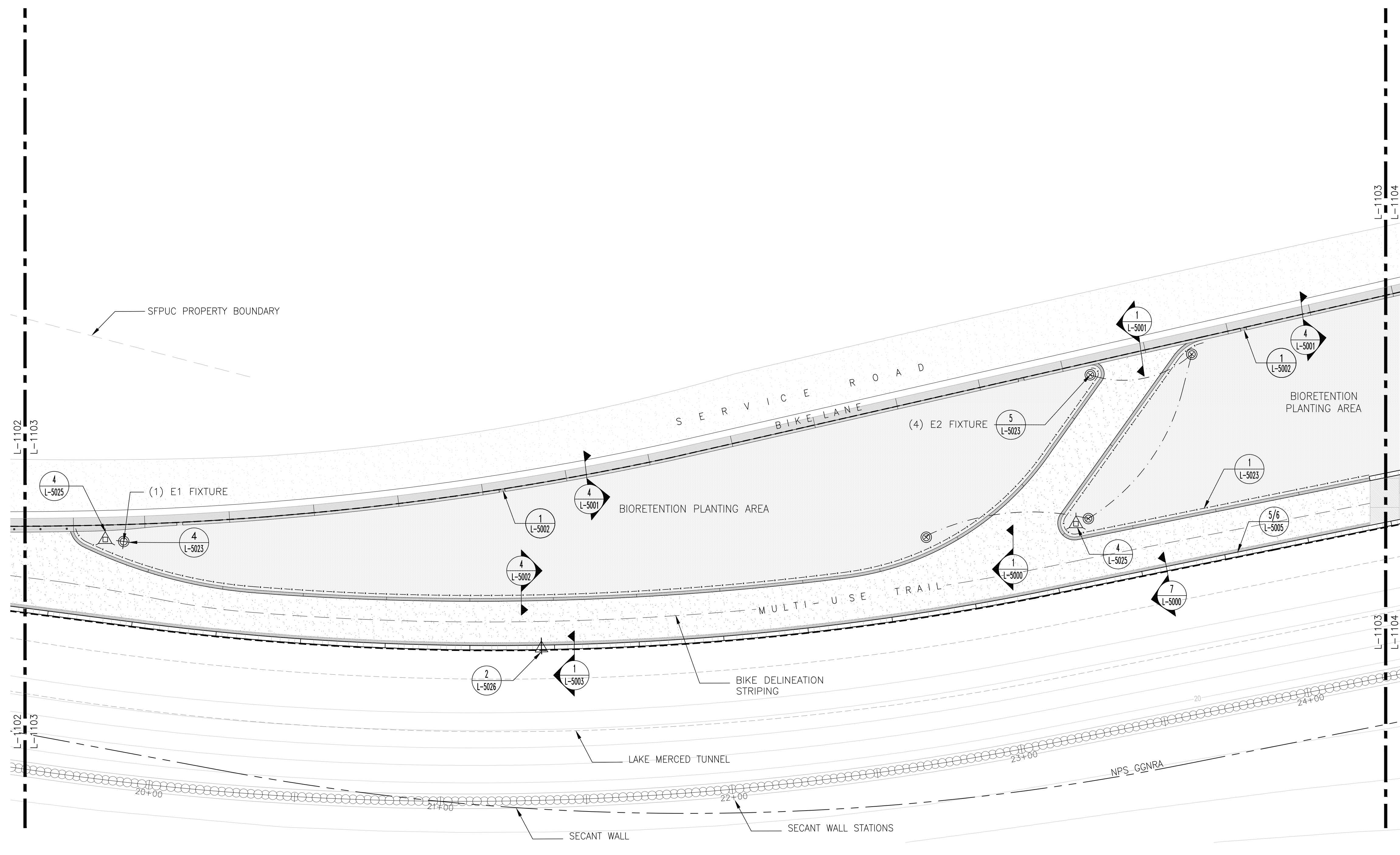
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<p>Contract No. <b>WW-662</b></p>	<p>Drawing Title <b>LANDSCAPE MATERIAL PLAN 2</b></p>	<p>Project No. PROJECT NO.</p>
<p>Elevation Datum XXXX</p>	<p>Drawing/File No</p>	<p>Revision No. 0</p> <p>Scale: AS SHOWN</p>

MATERIAL LEGEND

SYMBOL DESCRIPTION

- MFLA LIMIT OF WORK
- NPS BOUNDARY
- [P1] CONCRETE PAVING TYPE 1
- [P2] CONCRETE PAVING TYPE 2
- [ASPHALT] ASPHALT PAVING
- PAVING JOINT - SEE JOINTING PLAN
- ===== WALLS; TYPE 1 & 2
- ===== BASIN SCUPPER DRAINS AT WALL
- ===== DRAINAGE INLET AT RETENTION BASIN
- ===== CURB TYPE 1
- ===== CURB TYPE 2
- ===== CURB TYPE 3
- ===== HEADER
- ===== BENCH
- ===== BEACH ACCESS STAIR AND GUARDRAIL
- ===== GUARDRAIL AT WALL
- VEGETATION BARRIER
- SAND LADDER GATE
- [BOLLARD 1] BOLLARD 1
- [BOLLARD 2] BOLLARD 2
- [BOLLARD 3] BOLLARD 3
- [SIGNAGE 1] SIGNAGE TYPE 1: PARK IDENTIFICATION
- [SIGNAGE 2] SIGNAGE TYPE 2: PARK RULES
- [SIGNAGE 3] SIGNAGE TYPE 3: WAYFINDING
- [SIGNAGE 4] SIGNAGE TYPE 4: ATTENTION/WARNING
- [SIGNAGE 5] SIGNAGE TYPE 5: NPS BEACH ACCESS
- [SIGNAGE 6] SIGNAGE TYPE 6: INTERPRETIVE
- [SIGNAGE 7] SIGNAGE TYPE 7: INTERPRETIVE
- [SIGNAGE 8] SIGNAGE TYPE 8: INTERPRETIVE
- [BIKE RACKS] BIKE RACKS
- [WASTE BIN] WASTE BIN
- [PA] (N) PLANTING AREA PLANTING BY SFPDW, S.C.D.
- [E1] E1 15' SOLAR POLE LIGHT 15
- [E2] E2 3' SOLAR BOLLARD LIGHT 15
- [E3] E3 PROPOSED CALTRANS LIGHT, SCD 2
- [E4] E4 EXISTING CALTRANS LIGHT, SCD 2
- [E5] E5 25' SOLAR POLE LIGHT 1



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WWWE O&M Mgr. \_\_\_\_\_

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Proj. Engr. \_\_\_\_\_

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Designed \_\_\_\_\_

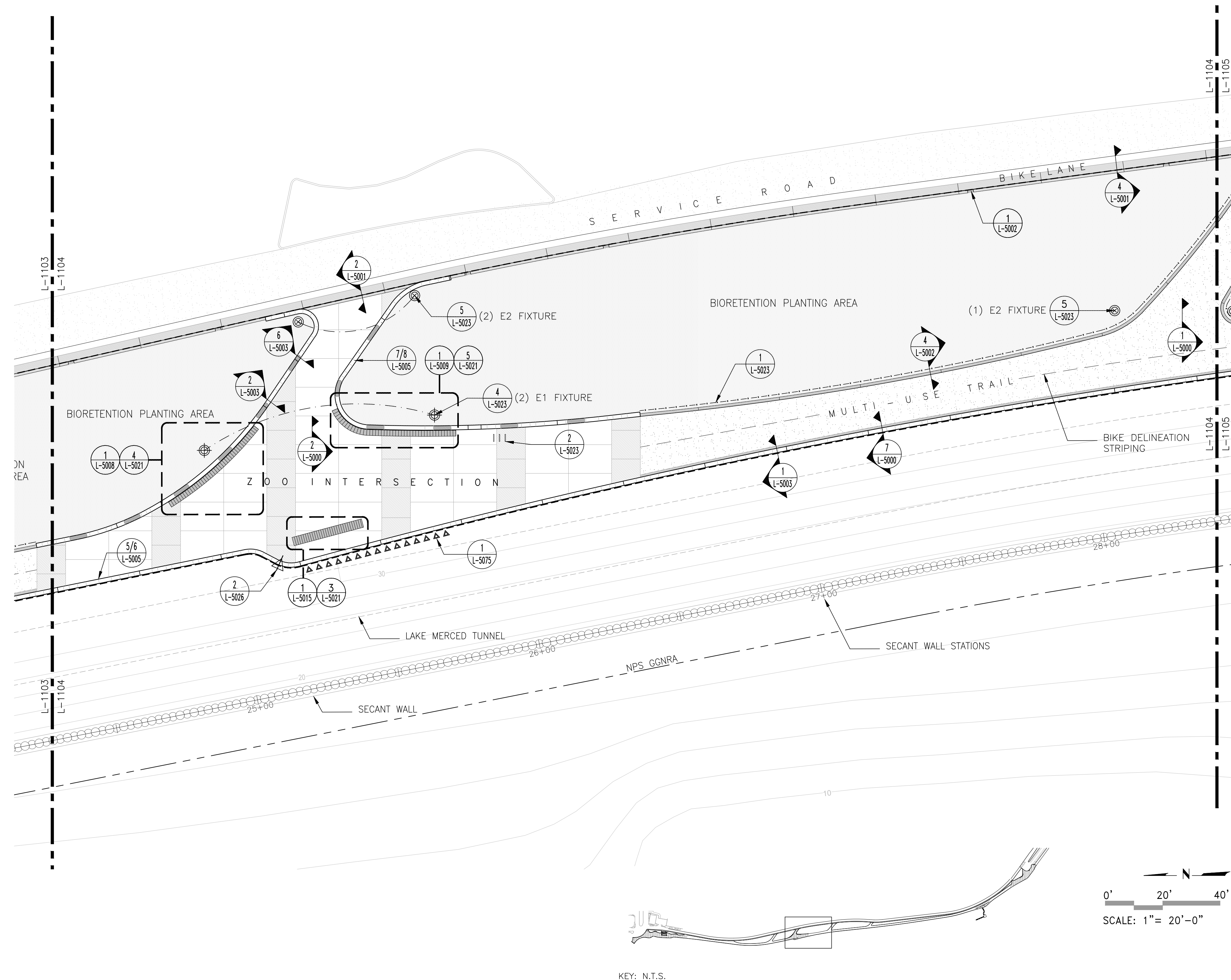
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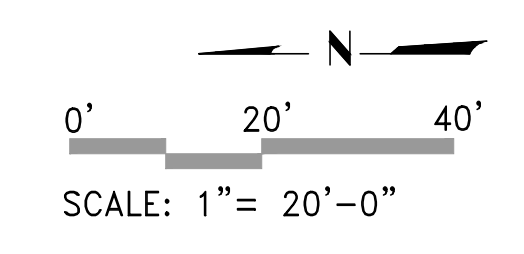
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<p>Contract No <b>WW-662</b></p>	<p>Drawing Title <b>LANDSCAPE MATERIAL PLAN 3</b></p>	<p>Project No. PROJECT NO.</p>
<p>Elevation Datum XXXX</p>	<p>Drawing/File No</p>	<p>Revision No. 0</p> <p>Scale: AS SHOWN</p>



MATERIAL LEGEND

SYMBOL	DESCRIPTION	
---	MFLA LIMIT OF WORK	
---	NPS BOUNDARY	
P1	CONCRETE PAVING TYPE 1	
P2	CONCRETE PAVING TYPE 2	
ASPHALT	ASPHALT PAVING	
---	PAVING JOINT - SEE JOINTING PLAN	
---	WALLS; TYPE 1 & 2	
---	BASIN SCUPPER DRAINS AT WALL	
---	DRAINAGE INLET AT RETENTION BASIN	
---	CURB TYPE 1	
---	CURB TYPE 2	
---	CURB TYPE 3	
---	HEADER	
---	BENCH	
---	BEACH ACCESS STAIR AND GUARDRAIL	
---	GUARDRAIL AT WALL	
---	VEGETATION BARRIER	
---	SAND LADDER GATE	
---	BOLLARD 1	
---	BOLLARD 2	
---	BOLLARD 3	
▲	SIGNAGE TYPE 1: PARK IDENTIFICATION	
▲	SIGNAGE TYPE 2: PARK RULES	
▲	SIGNAGE TYPE 3: WAYFINDING	
▲	SIGNAGE TYPE 4: ATTENTION/WARNING	
▲	SIGNAGE TYPE 5: NPS BEACH ACCESS	
▲▲▲▲▲	SIGNAGE TYPE 6: INTERPRETIVE	
▲	SIGNAGE TYPE 7: INTERPRETIVE	
▲▲▲▲▲	SIGNAGE TYPE 8: INTERPRETIVE	
	BIKE RACKS	
■	WASTE BIN	
PA	(N) PLANTING AREA PLANTING BY SFPDPW, S.C.D.	
E1	FIXTURE TYPE I 15' SOLAR POLE LIGHT	15
E2	FIXTURE TYPE II 3' SOLAR BOLLARD LIGHT	15
E3	FIXTURE TYPE IV PROPOSED CALTRANS LIGHT, SCD	2
E4	FIXTURE TYPE V EXISTING CALTRANS LIGHT, SCD	2
E5	FIXTURE TYPE VI 25' SOLAR POLE LIGHT	1



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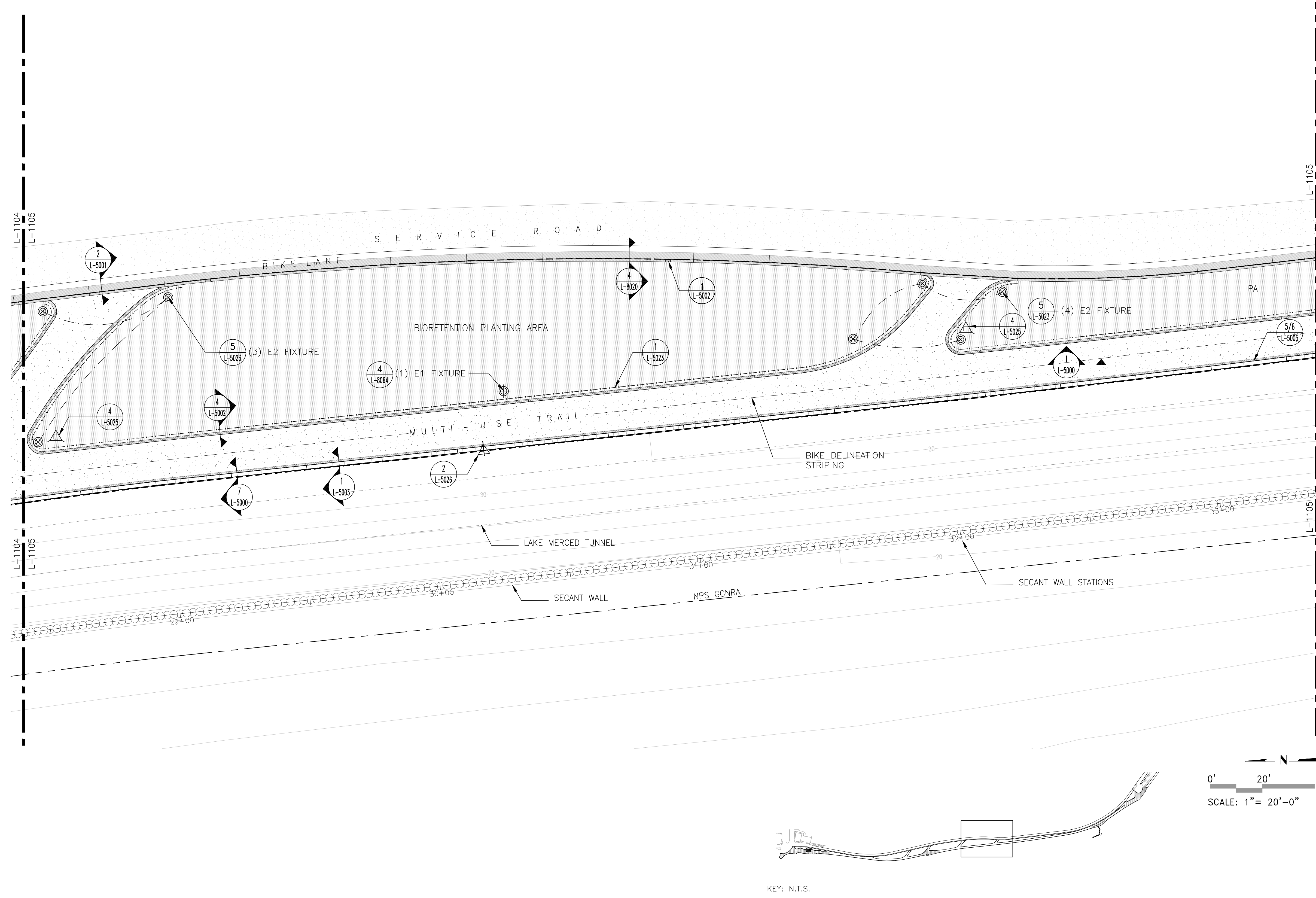
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<p>Contract No <b>WW-662</b></p>	<p>Drawing Title <b>LANDSCAPE MATERIAL PLAN 4</b></p>	<p>Project No. PROJECT NO.</p>
<p>Elevation Datum XXXX</p>	<p>Drawing/File No</p>	<p>Revision No. 0 Scale: AS SHOWN</p>

MATERIAL LEGEND

SYMBOL DESCRIPTION

- MFLA LIMIT OF WORK
- NPS BOUNDARY
- [P1] CONCRETE PAVING TYPE 1
- [P2] CONCRETE PAVING TYPE 2
- [ASPHALT] ASPHALT PAVING
- PAVING JOINT - SEE JOINTING PLAN
- ===== WALLS; TYPE 1 & 2
- ===== BASIN SCUPPER DRAINS AT WALL
- ===== DRAINAGE INLET AT RETENTION BASIN
- ===== CURB TYPE 1
- ===== CURB TYPE 2
- ===== CURB TYPE 3
- ===== HEADER
- ===== BENCH
- ===== BEACH ACCESS STAIR AND GUARDRAIL
- ===== GUARDRAIL AT WALL
- VEGETATION BARRIER
- SAND LADDER GATE
- [BOLLARD 1] BOLLARD 1
- [BOLLARD 2] BOLLARD 2
- [BOLLARD 3] BOLLARD 3
- [SIGNAGE 1] SIGNAGE TYPE 1: PARK IDENTIFICATION
- [SIGNAGE 2] SIGNAGE TYPE 2: PARK RULES
- [SIGNAGE 3] SIGNAGE TYPE 3: WAYFINDING
- [SIGNAGE 4] SIGNAGE TYPE 4: ATTENTION/WARNING
- [SIGNAGE 5] SIGNAGE TYPE 5: NPS BEACH ACCESS
- [SIGNAGE 6] SIGNAGE TYPE 6: INTERPRETIVE
- [SIGNAGE 7] SIGNAGE TYPE 7: INTERPRETIVE
- [SIGNAGE 8] SIGNAGE TYPE 8: INTERPRETIVE
- [BIKE RACKS] BIKE RACKS
- [WASTE BIN] WASTE BIN
- [PA] (N) PLANTING AREA  
PLANTING BY SFPDW, S.C.D.
- [E1] E1 15' SOLAR POLE LIGHT 15
- [E2] E2 3' SOLAR BOLLARD LIGHT 15
- [E3] E3 FIXTURE TYPE IV  
PROPOSED CALTRANS LIGHT, SCD 2
- [E4] E4 FIXTURE TYPE V  
EXISTING CALTRANS LIGHT, SCD 2
- [E5] E5 FIXTURE TYPE VI  
25' SOLAR POLE LIGHT 1



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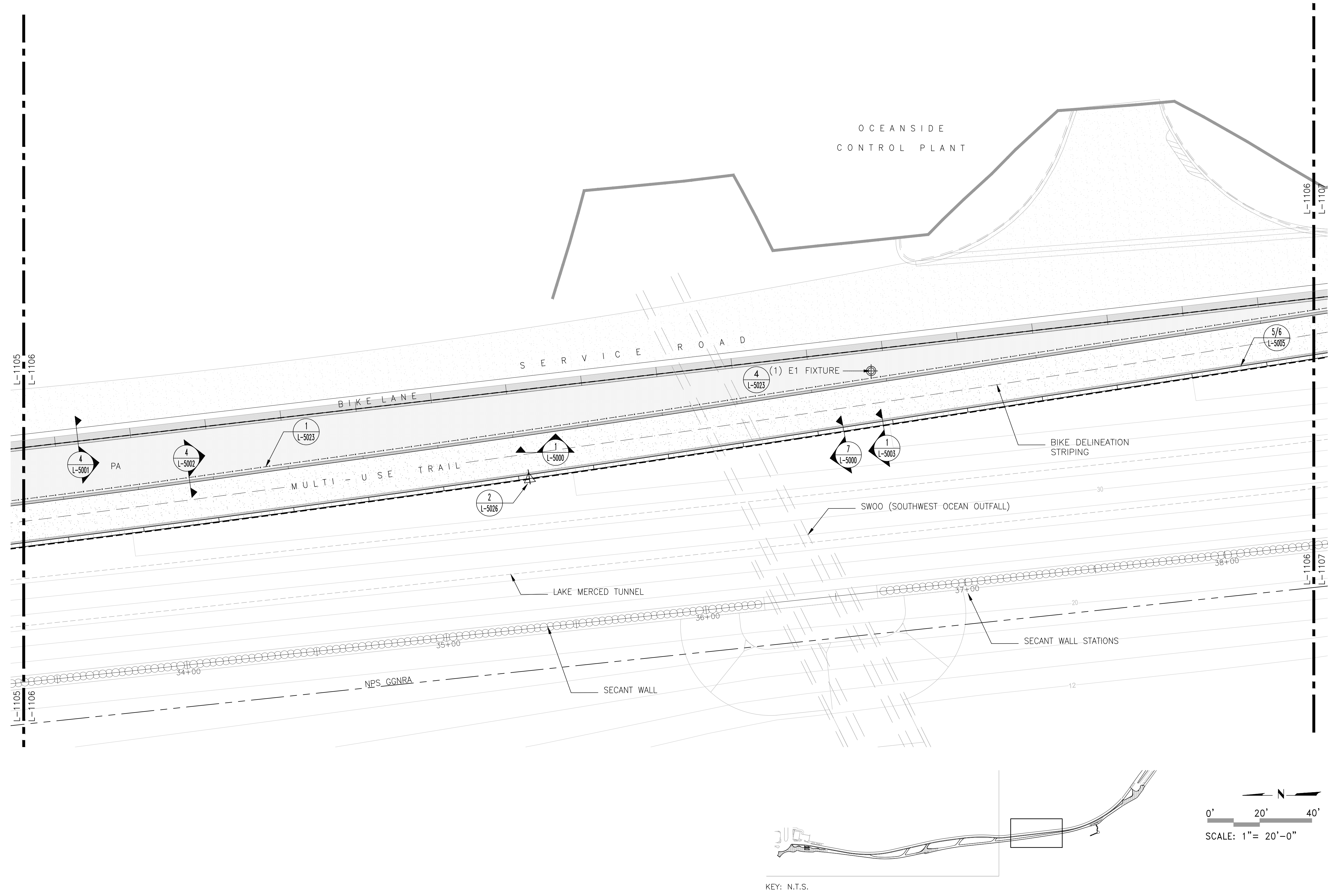
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Contract No. <b>WW-662</b>	Drawing Title <b>LANDSCAPE MATERIAL PLAN 5</b>	Project No. PROJECT NO.
Elevation Datum XXXX	Drawing/File No.	Revision No. 0 Scale: AS SHOWN

MATERIAL LEGEND

SYMBOL DESCRIPTION

- MFLA LIMIT OF WORK
- NPS BOUNDARY
- [P1] CONCRETE PAVING TYPE 1
- [P2] CONCRETE PAVING TYPE 2
- [ASPHALT] ASPHALT PAVING
- PAVING JOINT - SEE JOINTING PLAN
- [WALLS] WALLS; TYPE 1 & 2
- [SCUPPER] BASIN SCUPPER DRAINS AT WALL
- [INLET] DRAINAGE INLET AT RETENTION BASIN
- [CURB1] CURB TYPE 1
- [CURB2] CURB TYPE 2
- [CURB3] CURB TYPE 3
- [HEADER] HEADER
- [BENCH] BENCH
- [STAIR] BEACH ACCESS STAIR AND GUARDRAIL
- [GUARDRAIL] GUARDRAIL AT WALL
- [VEG] VEGETATION BARRIER
- [SAND] SAND LADDER GATE
- [BOLLARD1] BOLLARD 1
- [BOLLARD2] BOLLARD 2
- [BOLLARD3] BOLLARD 3
- [SIGN1] SIGNAGE TYPE 1: PARK IDENTIFICATION
- [SIGN2] SIGNAGE TYPE 2: PARK RULES
- [SIGN3] SIGNAGE TYPE 3: WAYFINDING
- [SIGN4] SIGNAGE TYPE 4: ATTENTION/WARNING
- [SIGN5] SIGNAGE TYPE 5: NPS BEACH ACCESS
- [SIGN6] SIGNAGE TYPE 6: INTERPRETIVE
- [SIGN7] SIGNAGE TYPE 7: INTERPRETIVE
- [SIGN8] SIGNAGE TYPE 8: INTERPRETIVE
- [BIKE] BIKE RACKS
- [WASTE] WASTE BIN
- [PA] (N) PLANTING AREA  
PLANTING BY SFPDW, S.C.D.
- E1 [E1] FIXTURE TYPE I  
15' SOLAR POLE LIGHT 15
- E2 [E2] FIXTURE TYPE II  
3' SOLAR BOLLARD LIGHT 15
- E3 [E3] FIXTURE TYPE IV  
PROPOSED CALTRANS LIGHT, SCD 2
- E4 [E4] FIXTURE TYPE V  
EXISTING CALTRANS LIGHT, SCD 2
- E5 [E5] FIXTURE TYPE VI  
25' SOLAR POLE LIGHT 1



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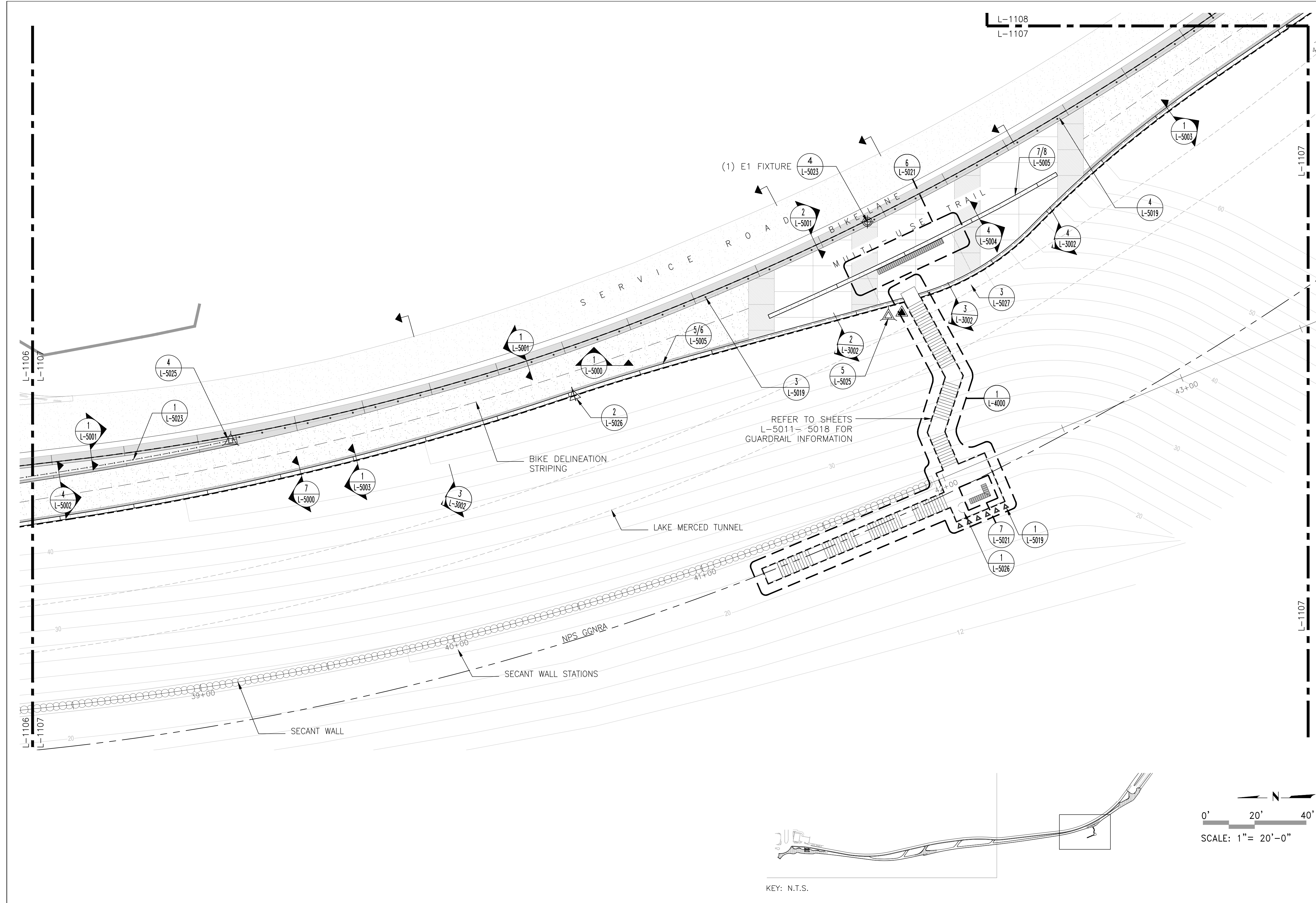
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Contract No. <b>WW-662</b>	Drawing Title <b>LANDSCAPE MATERIAL PLAN 6</b>	Project No. PROJECT NO.
Elevation Datum XXXX	Drawing/File No.	Revision No. 0 Scale: AS SHOWN



MATERIAL LEGEND

SYMBOL	DESCRIPTION	QUANTITY
---	MFLA LIMIT OF WORK	
---	NPS BOUNDARY	
P1	CONCRETE PAVING TYPE 1	
P2	CONCRETE PAVING TYPE 2	
ASPHALT	ASPHALT PAVING	
---	PAVING JOINT - SEE JOINTING PLAN	
---	WALLS; TYPE 1 & 2	
---	BASIN SCUPPER DRAINS AT WALL	
---	DRAINAGE INLET AT RETENTION BASIN	
---	CURB TYPE 1	
---	CURB TYPE 2	
---	CURB TYPE 3	
---	HEADER	
---	BENCH	
---	BEACH ACCESS STAIR AND GUARDRAIL	
---	GUARDRAIL AT WALL	
---	VEGETATION BARRIER	
---	SAND LADDER GATE	
---	BOLLARD 1	
---	BOLLARD 2	
---	BOLLARD 3	
▲	SIGNAGE TYPE 1: PARK IDENTIFICATION	
▲	SIGNAGE TYPE 2: PARK RULES	
▲	SIGNAGE TYPE 3: WAYFINDING	
▲	SIGNAGE TYPE 4: ATTENTION/WARNING	
▲	SIGNAGE TYPE 5: NPS BEACH ACCESS	
▲▲▲▲▲	SIGNAGE TYPE 6: INTERPRETIVE	
▲	SIGNAGE TYPE 7: INTERPRETIVE	
▲▲▲▲▲	SIGNAGE TYPE 8: INTERPRETIVE	
	BIKE RACKS	
■	WASTE BIN	
PA	(N) PLANTING AREA PLANTING BY SFPDW, S.C.D.	
E1	FIXTURE TYPE I 15' SOLAR POLE LIGHT	15
E2	FIXTURE TYPE II 3' SOLAR BOLLARD LIGHT	15
E3	FIXTURE TYPE IV PROPOSED CALTRANS LIGHT, SCD	2
E4	FIXTURE TYPE V EXISTING CALTRANS LIGHT, SCD	2
E5	FIXTURE TYPE VI 25' SOLAR POLE LIGHT	1

KEY: N.T.S.

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 WW Engineering Mgr. \_\_\_\_\_  
 WW O&M Mgr. \_\_\_\_\_  
 Section Mgr. \_\_\_\_\_  
 Designed \_\_\_\_\_  
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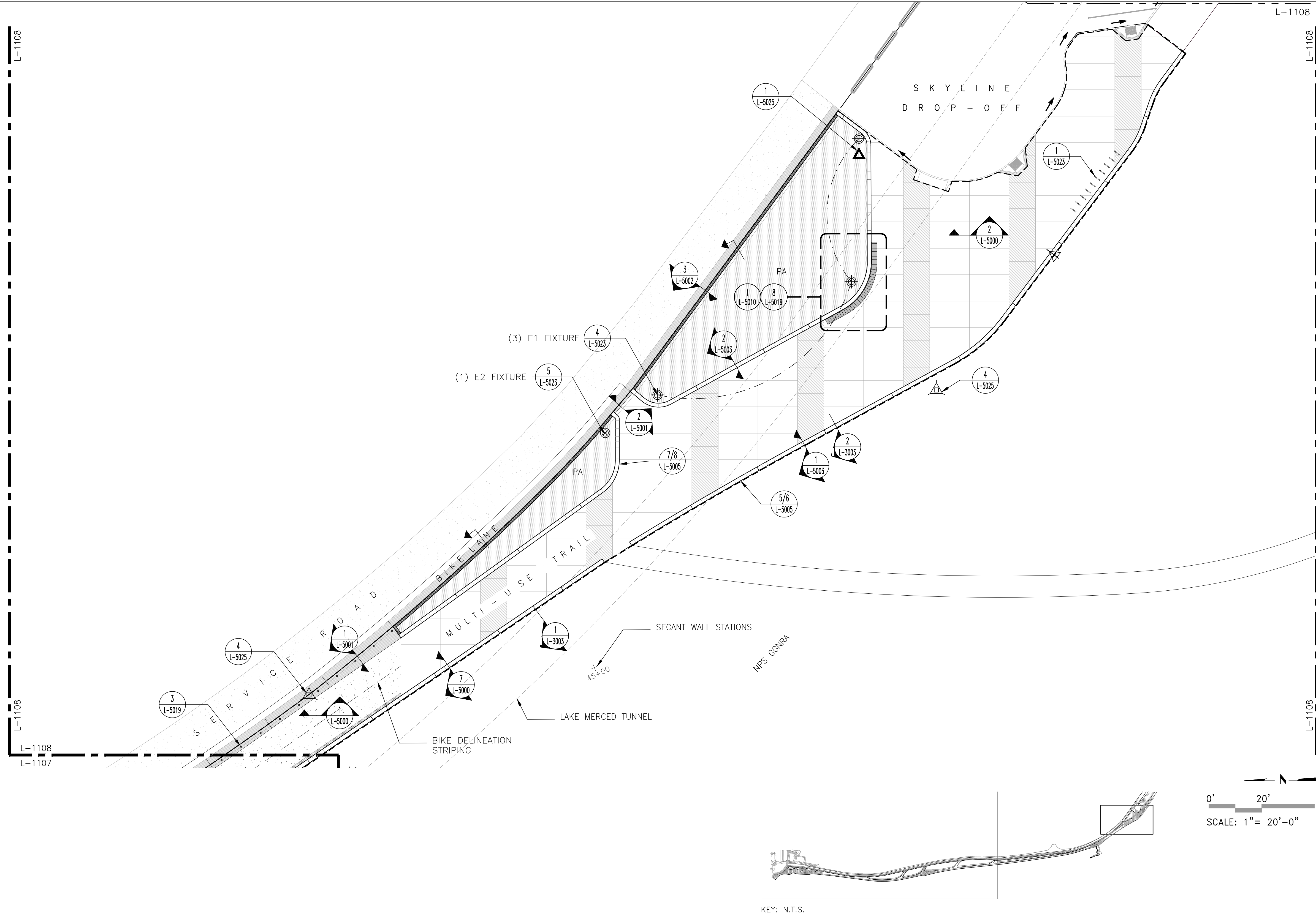
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 415-543-8202

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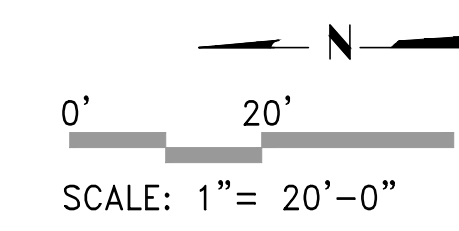
No.	Date	Revisions

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Contract No <b>WW-662</b>	Drawing Title <b>LANDSCAPE MATERIAL PLAN 7</b>	Project No. PROJECT NO.
Elevation Datum XXXX	Drawing/File No Revision No. 0	Scale: AS SHOWN



**MATERIAL LEGEND**

SYMBOL	DESCRIPTION	
---	MFLA LIMIT OF WORK	
---	NPS BOUNDARY	
P1	CONCRETE PAVING TYPE 1	
P2	CONCRETE PAVING TYPE 2	
ASPHALT	ASPHALT PAVING	
---	PAVING JOINT - SEE JOINTING PLAN	
---	WALLS; TYPE 1 & 2	
---	BASIN SCUPPER DRAINS AT WALL	
---	DRAINAGE INLET AT RETENTION BASIN	
---	CURB TYPE 1	
---	CURB TYPE 2	
---	CURB TYPE 3	
---	HEADER	
---	BENCH	
---	BEACH ACCESS STAIR AND GUARDRAIL	
---	GUARDRAIL AT WALL	
---	VEGETATION BARRIER	
---	SAND LADDER GATE	
---	BOLLARD 1	
---	BOLLARD 2	
---	BOLLARD 3	
▲	SIGNAGE TYPE 1: PARK IDENTIFICATION	
▲	SIGNAGE TYPE 2: PARK RULES	
▲	SIGNAGE TYPE 3: WAYFINDING	
▲	SIGNAGE TYPE 4: ATTENTION/WARNING	
▲	SIGNAGE TYPE 5: NPS BEACH ACCESS	
▲▲▲▲▲	SIGNAGE TYPE 6: INTERPRETIVE	
▲	SIGNAGE TYPE 7: INTERPRETIVE	
▲▲▲▲▲	SIGNAGE TYPE 8: INTERPRETIVE	
	BIKE RACKS	
■	WASTE BIN	
PA	(N) PLANTING AREA PLANTING BY SFPDW, S.C.D.	
E1	FIXTURE TYPE I 15' SOLAR POLE LIGHT	15
E2	FIXTURE TYPE II 3' SOLAR BOLLARD LIGHT	15
E3	FIXTURE TYPE IV PROPOSED CALTRANS LIGHT, SCD	2
E4	FIXTURE TYPE V EXISTING CALTRANS LIGHT, SCD	2
E5	FIXTURE TYPE VI 25' SOLAR POLE LIGHT	1



KEY: N.T.S.



EMB Mgr. \_\_\_\_\_  
 WW Engineering Mgr. \_\_\_\_\_  
 WW O&M Mgr. \_\_\_\_\_  
 Section Mgr. \_\_\_\_\_  
 Designed \_\_\_\_\_  
 Drawn \_\_\_\_\_  
 Checked/Approved \_\_\_\_\_



Proj. Mgr. \_\_\_\_\_  
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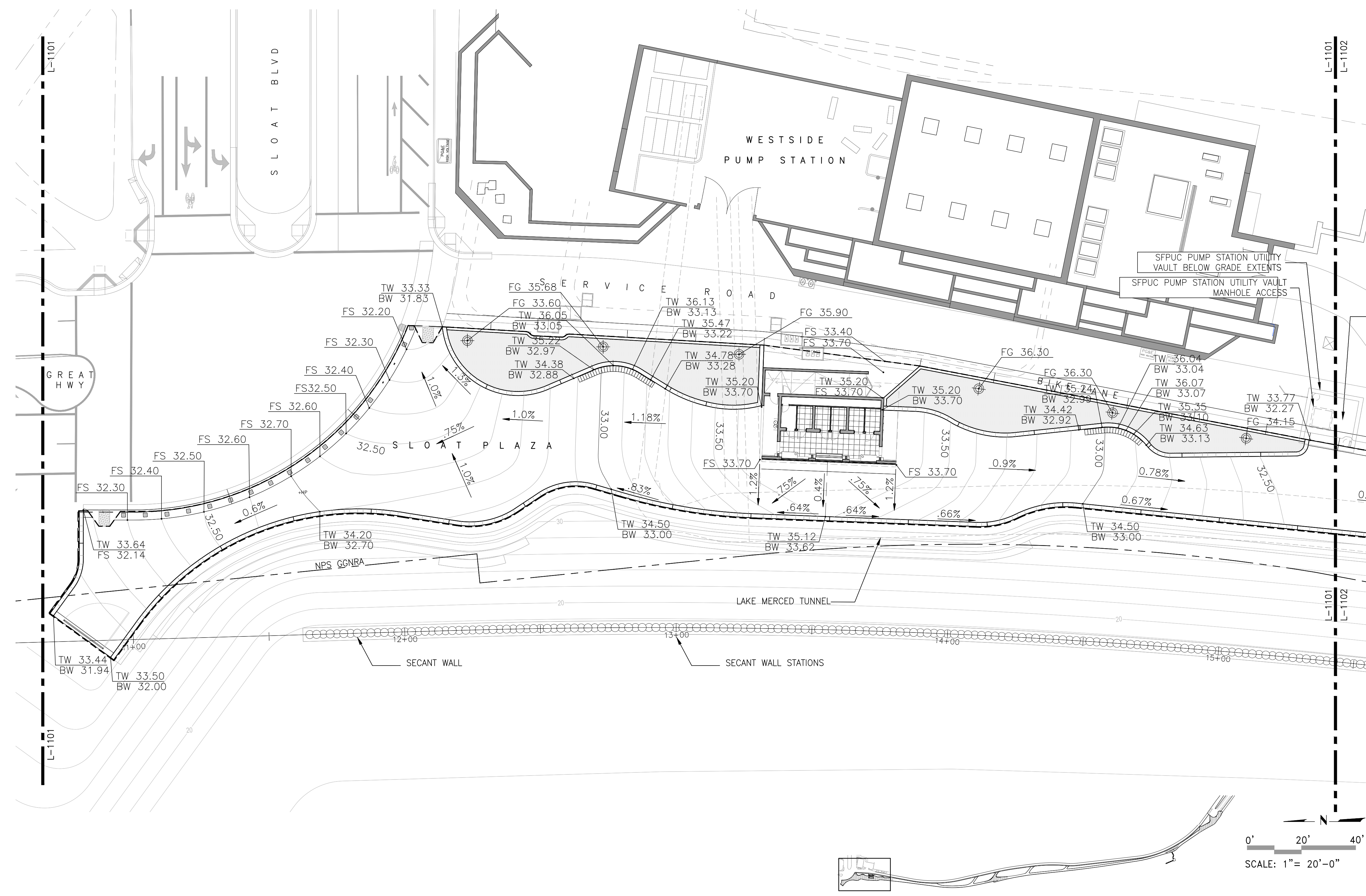
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	Contract No.	WW-662	Drawing Title	LANDSCAPE MATERIAL PLAN 8
Elevation Datum	XXXX	Drawing/File No	Revision No.	0
			Scale:	AS SHOWN

GRADING & DRAINAGE LEGEND

SYMBOL	DESCRIPTION
---	NPS BOUNDARY
---	MFLA L.O.W.
100	PROPOSED CONTOURS MAJOR
93.50	PROPOSED CONTOURS MINOR
100.2	PROPOSED CONTOURS 1/10TH
XX.XX-XX	PROPOSED SPOT ELEVATIONS
←	SLOPE
---	GRADE BREAK
---	DRAIN LINE
PA	PLANTING



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 WVE O&M Mgr. \_\_\_\_\_  
 Section Mgr. \_\_\_\_\_  
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MUNDEN FRY LANDSCAPE ASSOCIATES  
**MFLA**  
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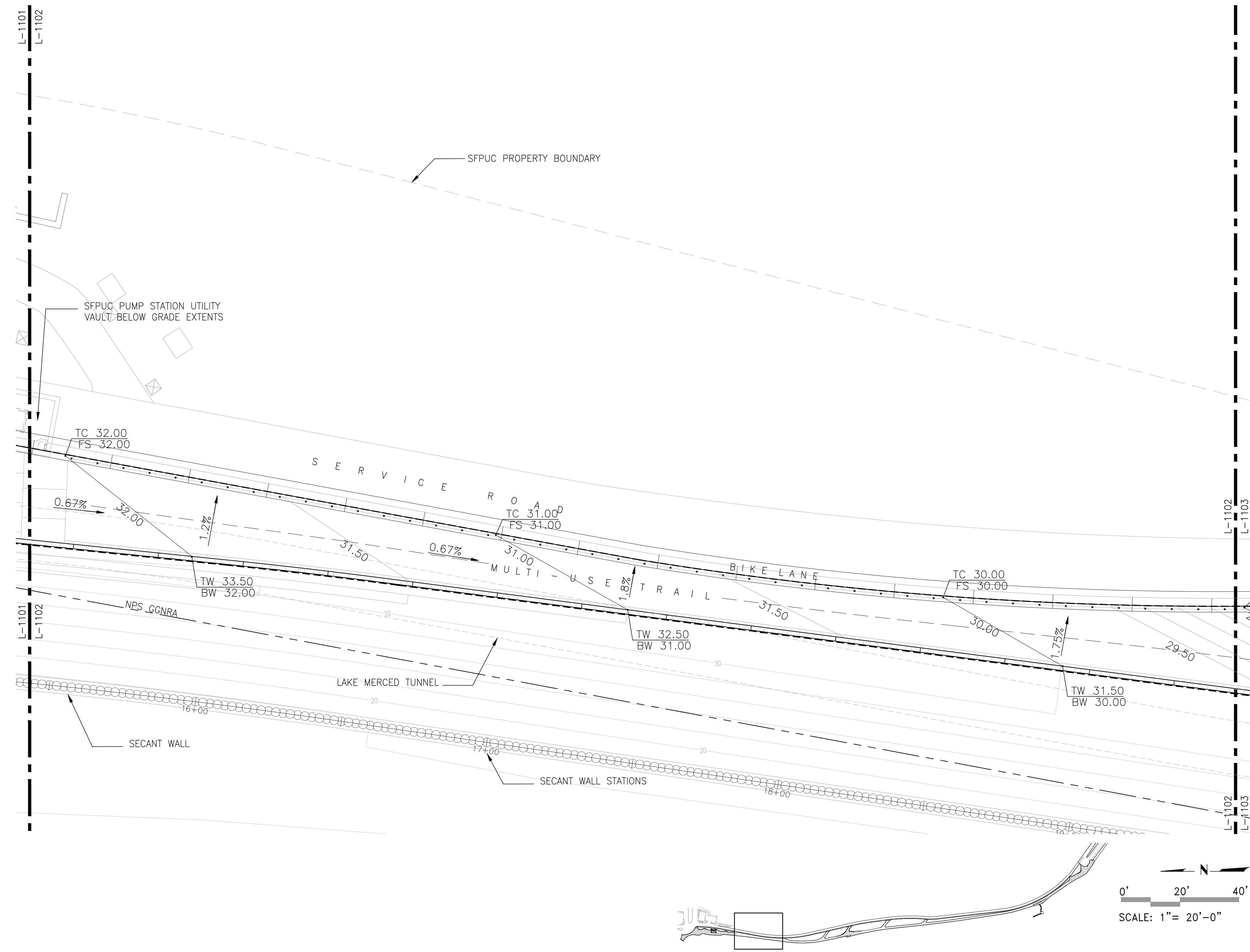
No.	Date	Revisions

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Contract No. <b>WW-662</b>		OCEAN BEACH CLIMATE CHANGE ADAPTATION PROJECT - LONG TERM IMPROVEMENTS	<b>L-1017</b>
Elevation Datum XXXX		Drawing Title	Project No.
		<b>LANDSCAPE FINE GRADING 1</b>	PROJECT NO.
		Drawing/File No	Scale: AS SHOWN
		Revision No. 0	



GRADING & DRAINAGE LEGEND

SYMBOL	DESCRIPTION
---	NPS BOUNDARY
----	MFLA L.O.W.
100	PROPOSED CONTOURS MAJOR
93.50	PROPOSED CONTOURS MINOR
100.2	PROPOSED CONTOURS 1/10TH
XX.XX-XX	PROPOSED SPOT ELEVATIONS
SLOPE	SLOPE %
----	GRADE BREAK
----	DRAIN LINE
PA	PLANTING



EMB Mgr. \_\_\_\_\_  
 WVE Engineering Mgr. \_\_\_\_\_  
 WVE O&M Mgr. \_\_\_\_\_  
 Section Mgr. \_\_\_\_\_  
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 Elevation Datum **XXXX**

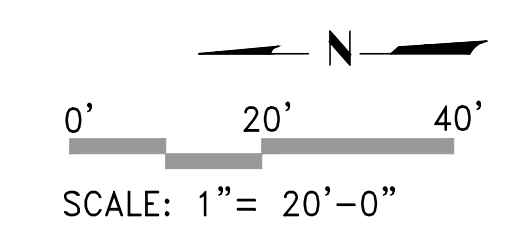
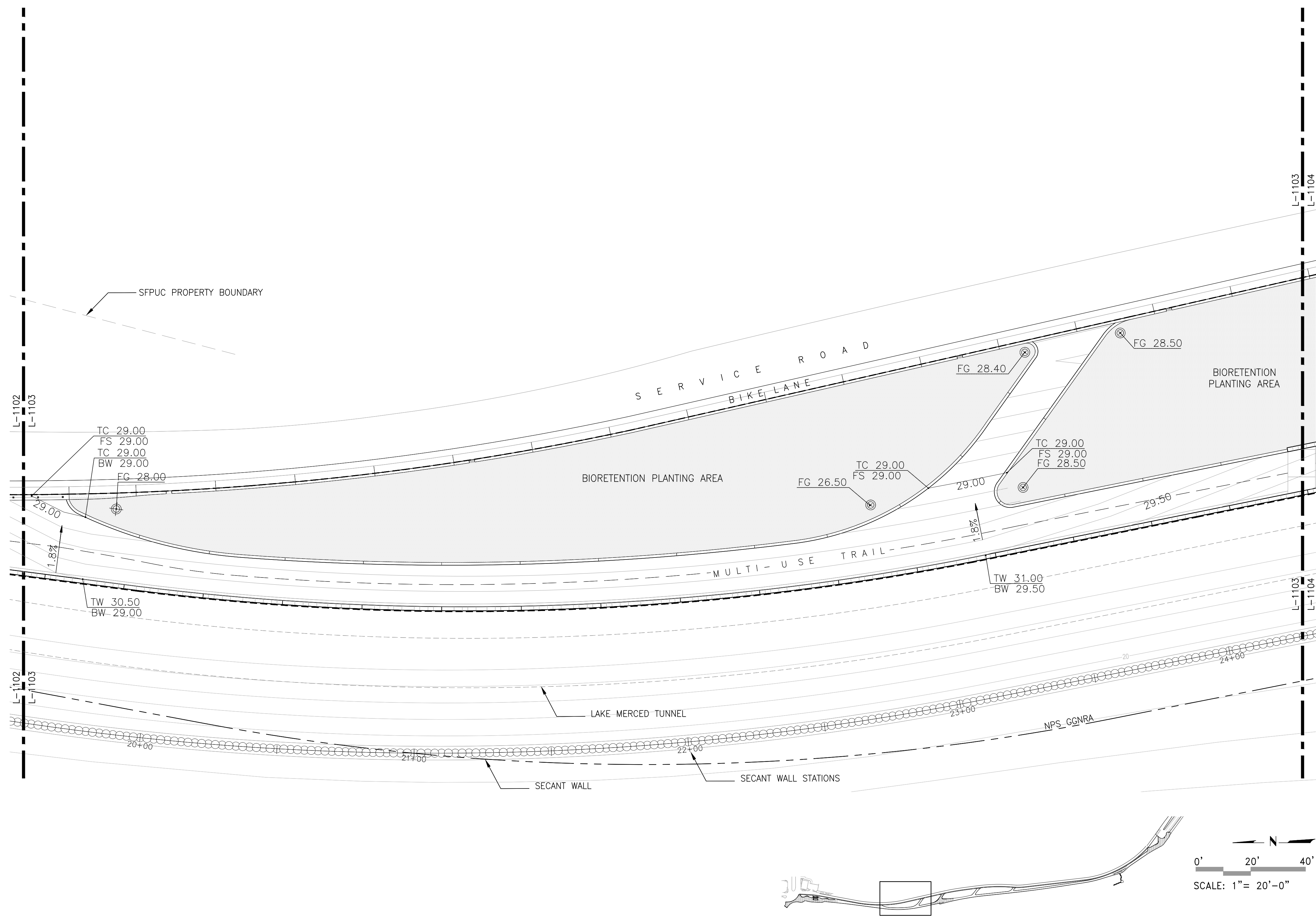
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 Drawing Title **LANDSCAPE FINE GRADING 2**  
 Drawing/File No. \_\_\_\_\_  
 Revision No. **0**


Plan No. **L-1018**  
 Project No. \_\_\_\_\_  
 PROJECT NO. \_\_\_\_\_  
 Scale: **AS SHOWN**

GRADING & DRAINAGE LEGEND

SYMBOL DESCRIPTION

	NPS BOUNDARY
	MFLA L.O.W.
	100 PROPOSED CONTOURS MAJOR
	93.50 PROPOSED CONTOURS MINOR
	100.2 PROPOSED CONTOURS 1/10TH
	XX.XX-XX PROPOSED SPOT ELEVATIONS
	SLOPE SLOPE %
	GRADE BREAK
	DRAIN LINE
	PA PLANTING

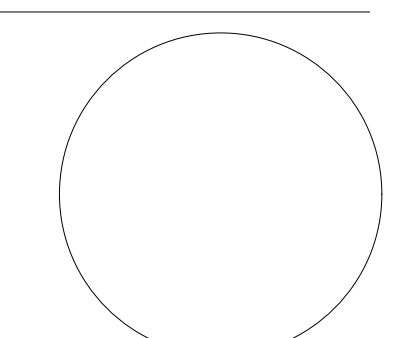



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 WWE O&M Mgr. \_\_\_\_\_  
 Section Mgr. \_\_\_\_\_  
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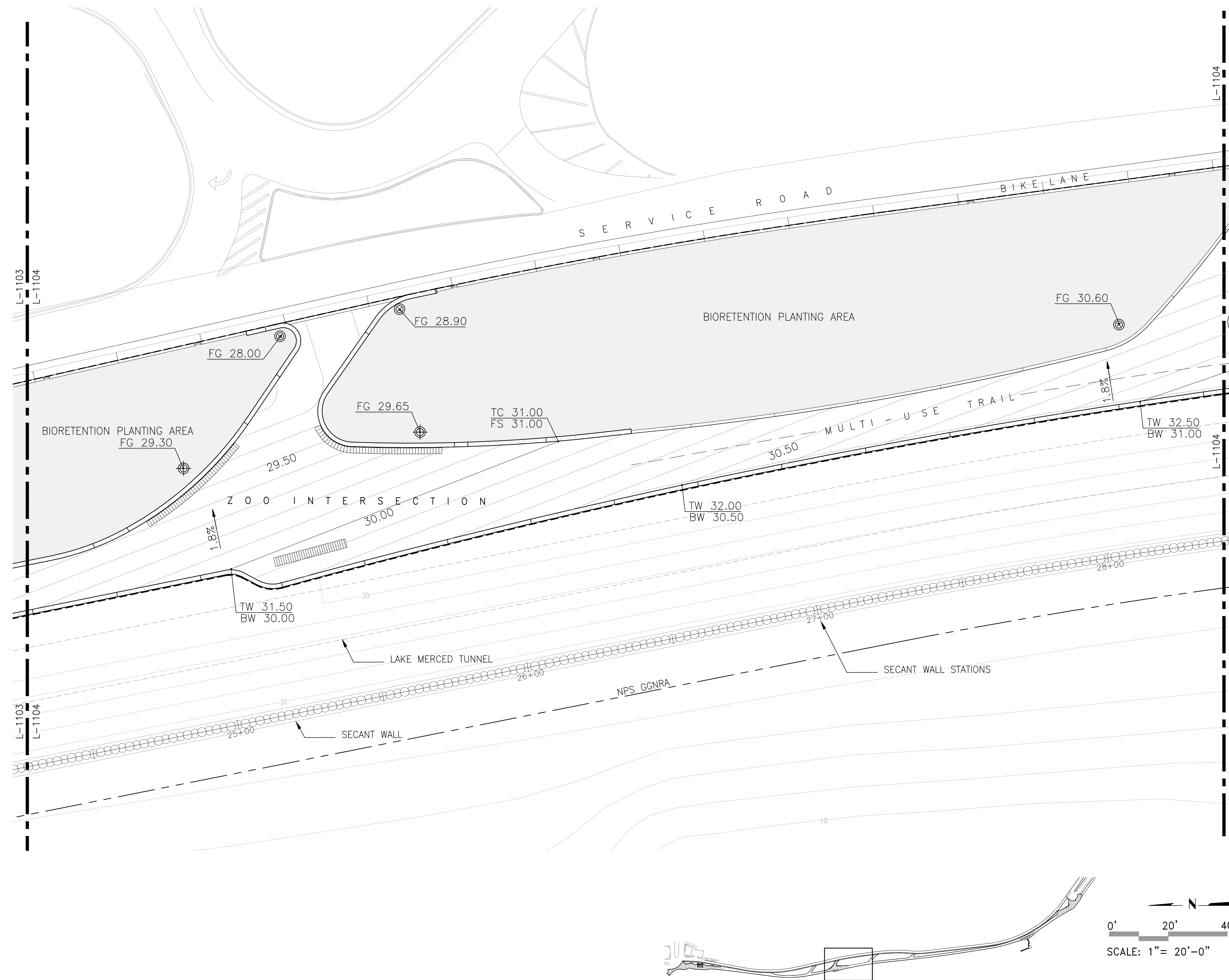
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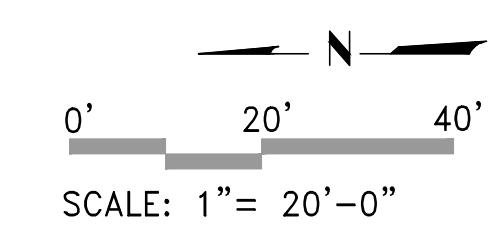
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Contract No. <b>WW-662</b>		<b>OCEAN BEACH CLIMATE CHANGE ADAPTATION PROJECT - LONG TERM IMPROVEMENTS</b>	<b>L-1019</b>
Elevation Datum XXXX		Drawing Title	Project No.
Drawing/File No.		<b>LANDSCAPE FINE GRADING 3</b>	PROJECT NO.
Revision No. 0		Scale: AS SHOWN	



**GRADING & DRAINAGE LEGEND**

SYMBOL	DESCRIPTION
---	NPS BOUNDARY
---	MFLA L.O.W.
100	PROPOSED CONTOURS MAJOR
93.50	PROPOSED CONTOURS MINOR
100.2	PROPOSED CONTOURS 1/10TH
XX.XX-XX	PROPOSED SPOT ELEVATIONS
SLOPE	SLOPE %
---	GRADE BREAK
---	DRAIN LINE
PA	PLANTING



EMB Mgr. \_\_\_\_\_  
 WWE Engineering Mgr. \_\_\_\_\_  
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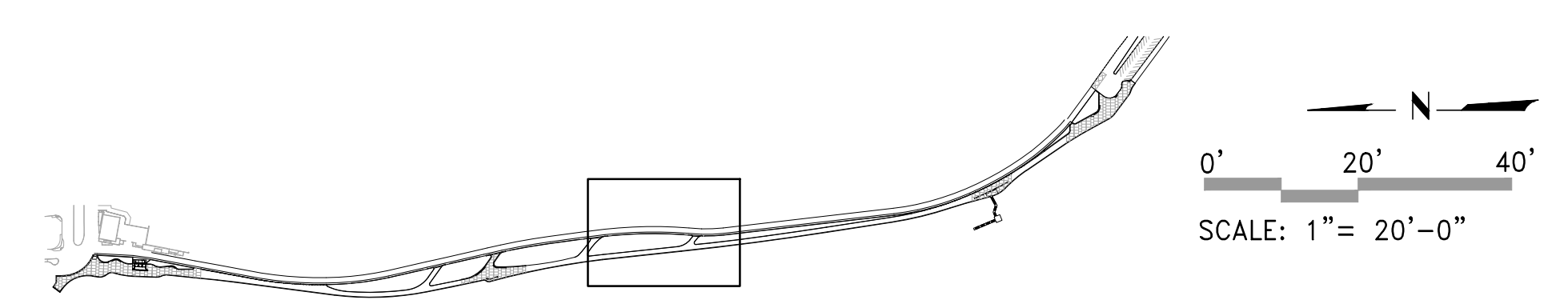
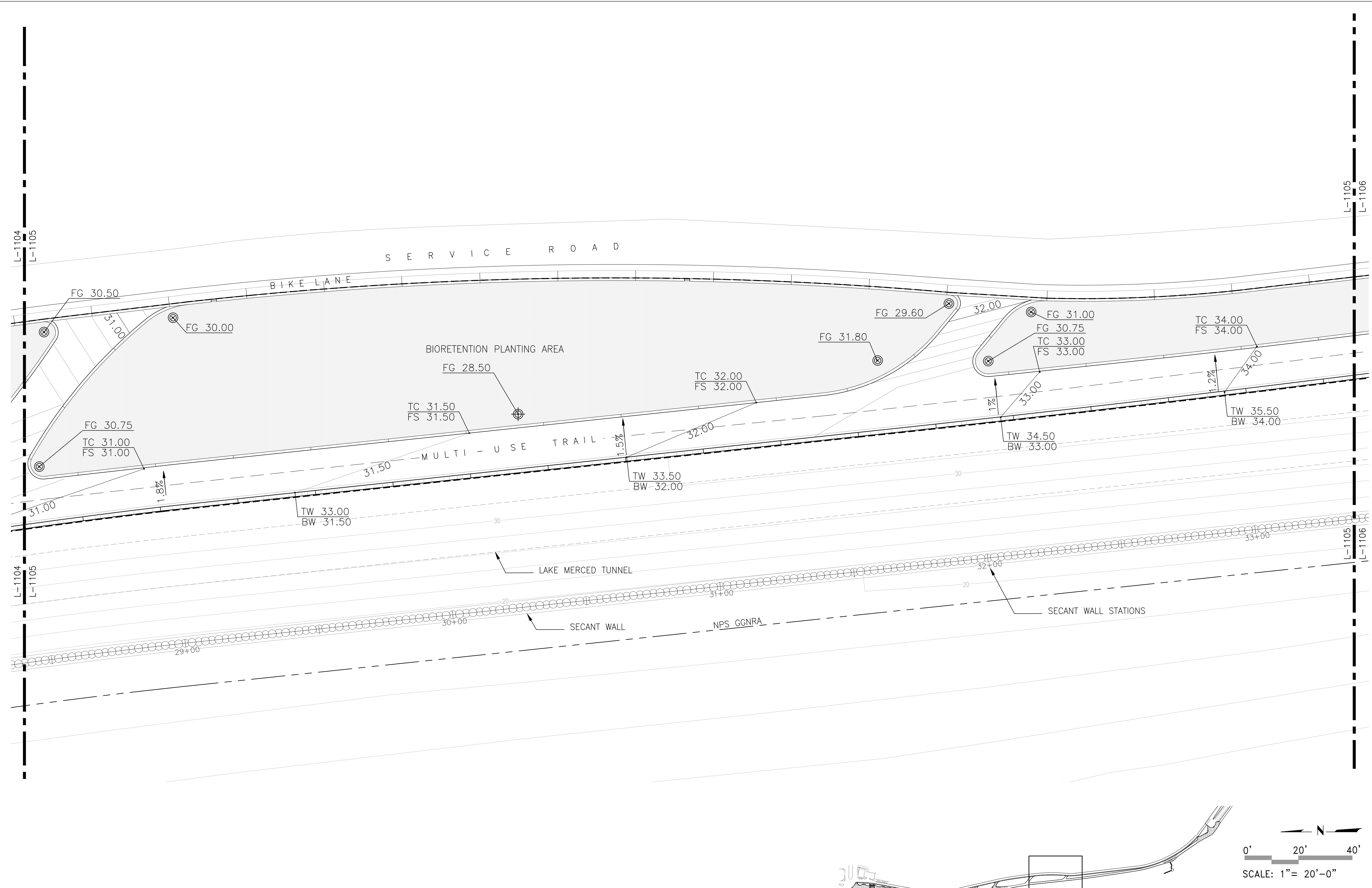

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Contract No <b>WW-662</b>	Drawing Title <b>LANDSCAPE FINE GRADING 4</b>		Project No. PROJECT NO.
Elevation Datum XXXX	Drawing/File No	Revision No. 0	Scale: AS SHOWN

GRADING & DRAINAGE LEGEND

SYMBOL DESCRIPTION

	NPS BOUNDARY
	MFLA L.O.W.
	100 PROPOSED CONTOURS MAJOR
	93.50 PROPOSED CONTOURS MINOR
	100.2 PROPOSED CONTOURS 1/10TH
	PROPOSED SPOT ELEVATIONS
	SLOPE %
	GRADE BREAK
	DRAIN LINE
	PLANTING

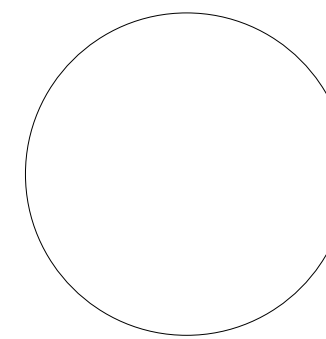



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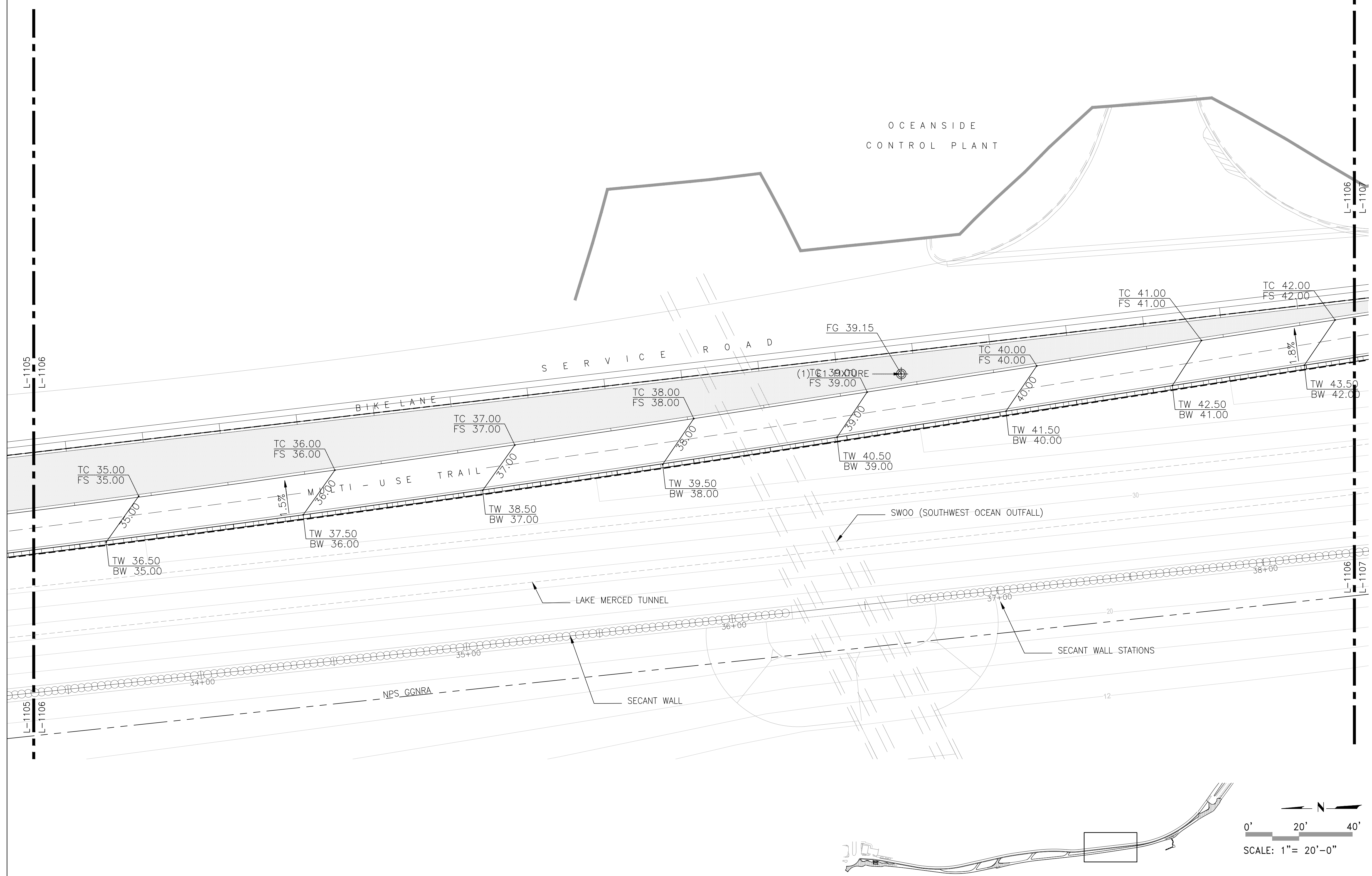
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Contract No. <b>WW-662</b>	Drawing Title <b>LANDSCAPE FINE GRADING 5</b>		Project No. PROJECT NO.
Elevation Datum XXXX	Drawing/File No.	Revision No. 0	Scale: AS SHOWN

GRADING & DRAINAGE LEGEND

SYMBOL DESCRIPTION	
	NPS BOUNDARY
	MFLA L.O.W.
	100 PROPOSED CONTOURS MAJOR
	93.50 PROPOSED CONTOURS MINOR
	100.2 PROPOSED CONTOURS 1/10TH
	XX.XX-XX PROPOSED SPOT ELEVATIONS
	SLOPE SLOPE %
	GRADE BREAK
	DRAIN LINE
	PA PLANTING



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Section Mgr. _____
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MUNDEN FRY LANDSCAPE ASSOCIATES

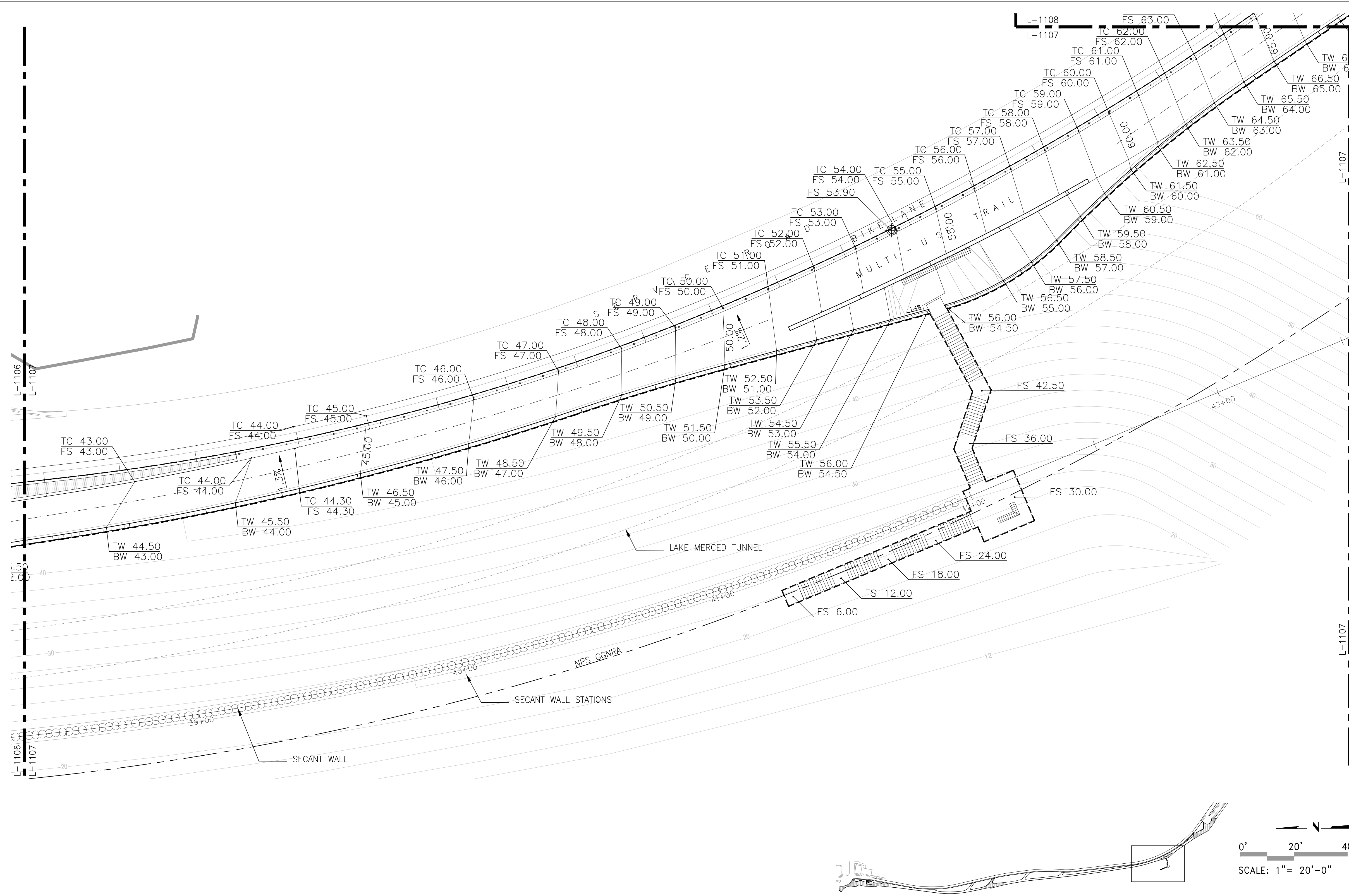
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<p>Contract No. <b>WW-662</b></p>	<p>Drawing Title <b>LANDSCAPE FINE GRADING 6</b></p>	<p>Project No. PROJECT NO.</p>
<p>Elevation Datum XXXX</p>	<p>Drawing/File No</p>	<p>Revision No. <b>0</b> Scale: AS SHOWN</p>



**GRADING & DRAINAGE LEGEND**

SYMBOL	DESCRIPTION
---	NPS BOUNDARY
---	MFLA L.O.W.
100	PROPOSED CONTOURS MAJOR
93.50	PROPOSED CONTOURS MINOR
100.2	PROPOSED CONTOURS 1/10TH
XX.XX-XX	PROPOSED SPOT ELEVATIONS
SLOPE	SLOPE %
---	GRADE BREAK
---	DRAIN LINE
PA	PLANTING

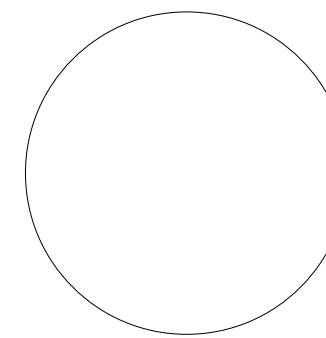


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WWE O&M Mgr. \_\_\_\_\_  
Section Mgr. \_\_\_\_\_  
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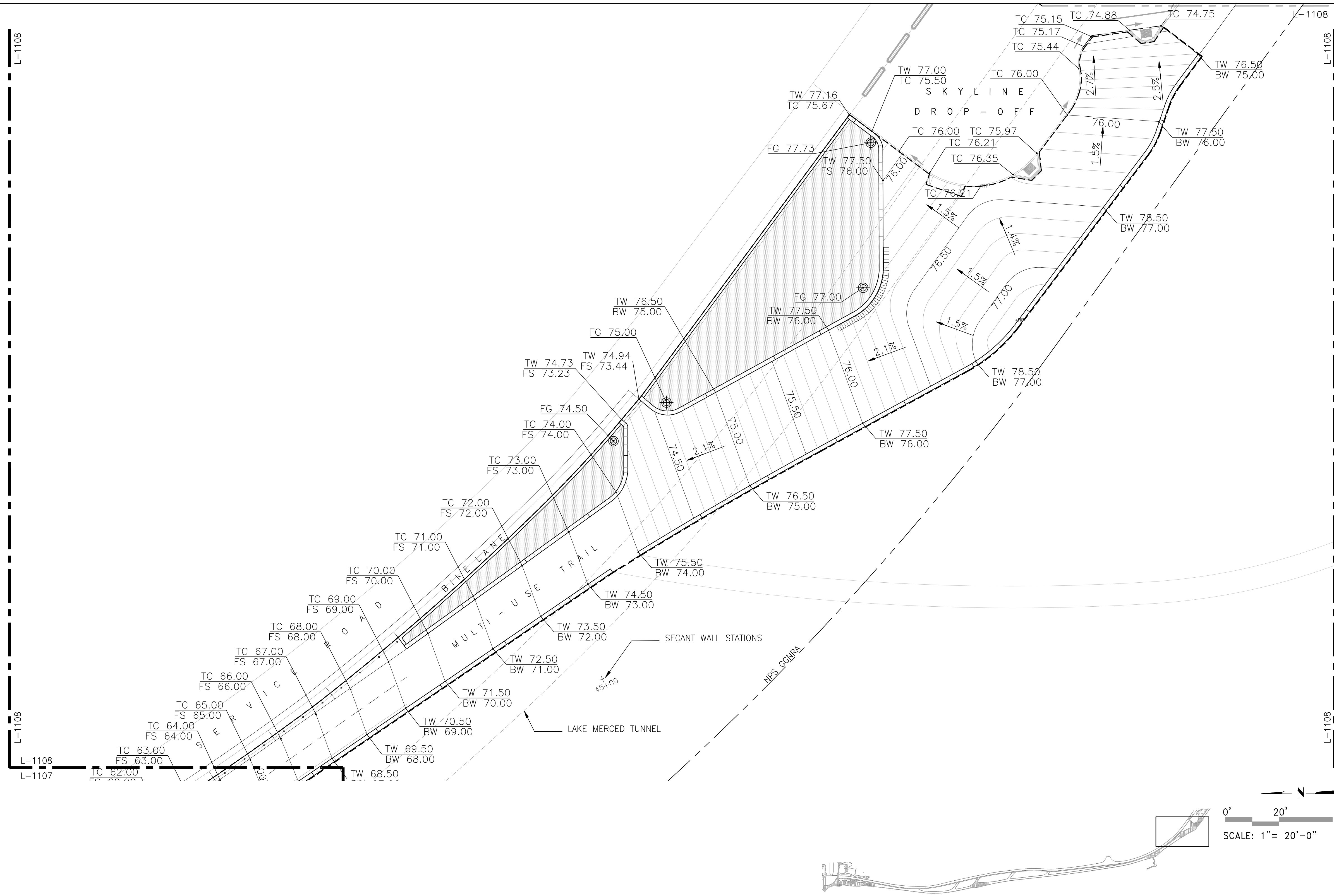
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Contract No. <b>WW-662</b>	Drawing Title <b>LANDSCAPE FINE GRADING 7</b>	Project No. PROJECT NO.	
Elevation Datum XXXX	Drawing/File No.	Revision No. 0	Scale: AS SHOWN



### GRADING & DRAINAGE LEGEND

SYMBOL DESCRIPTION	
	NPS BOUNDARY
	MFLA L.O.W.
	PROPOSED CONTOURS MAJOR
	PROPOSED CONTOURS MINOR
	PROPOSED CONTOURS 1/10TH
	PROPOSED SPOT ELEVATIONS
	SLOPE %
	GRADE BREAK
	DRAIN LINE
	PLANTING

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WWE Engineering Mgr. _____	Proj. Engr. _____
WWE O&M Mgr. _____	Approved _____
Section Mgr. _____	Designed _____
Designed _____	Drawn _____
Drawn _____	Checked by _____
Checked/Approved _____	Checked by _____

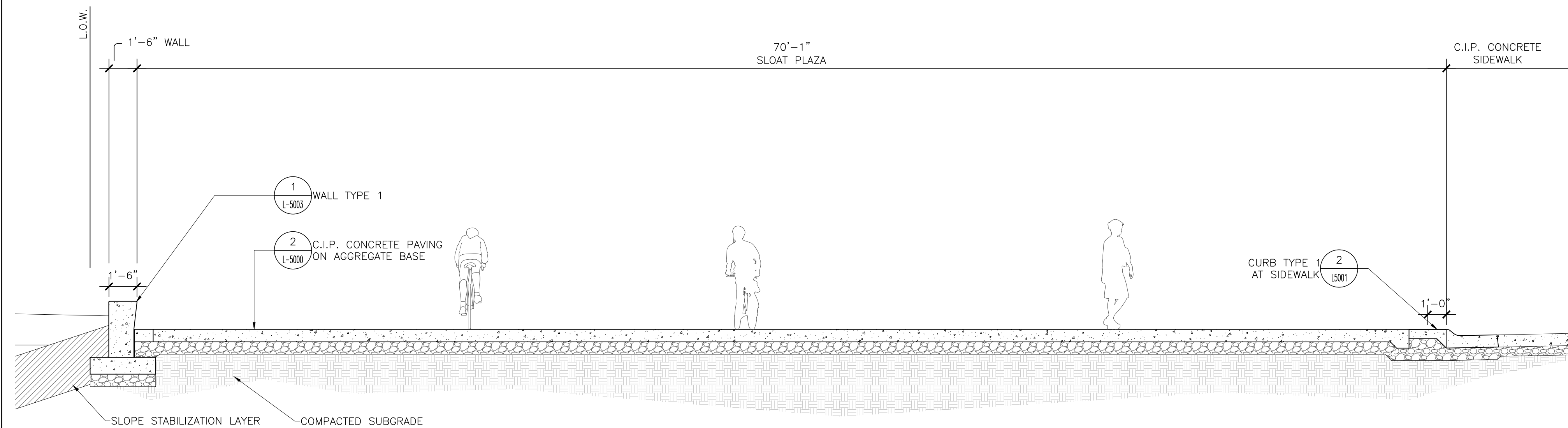
MUNDEN FRY LANDSCAPE ASSOCIATES

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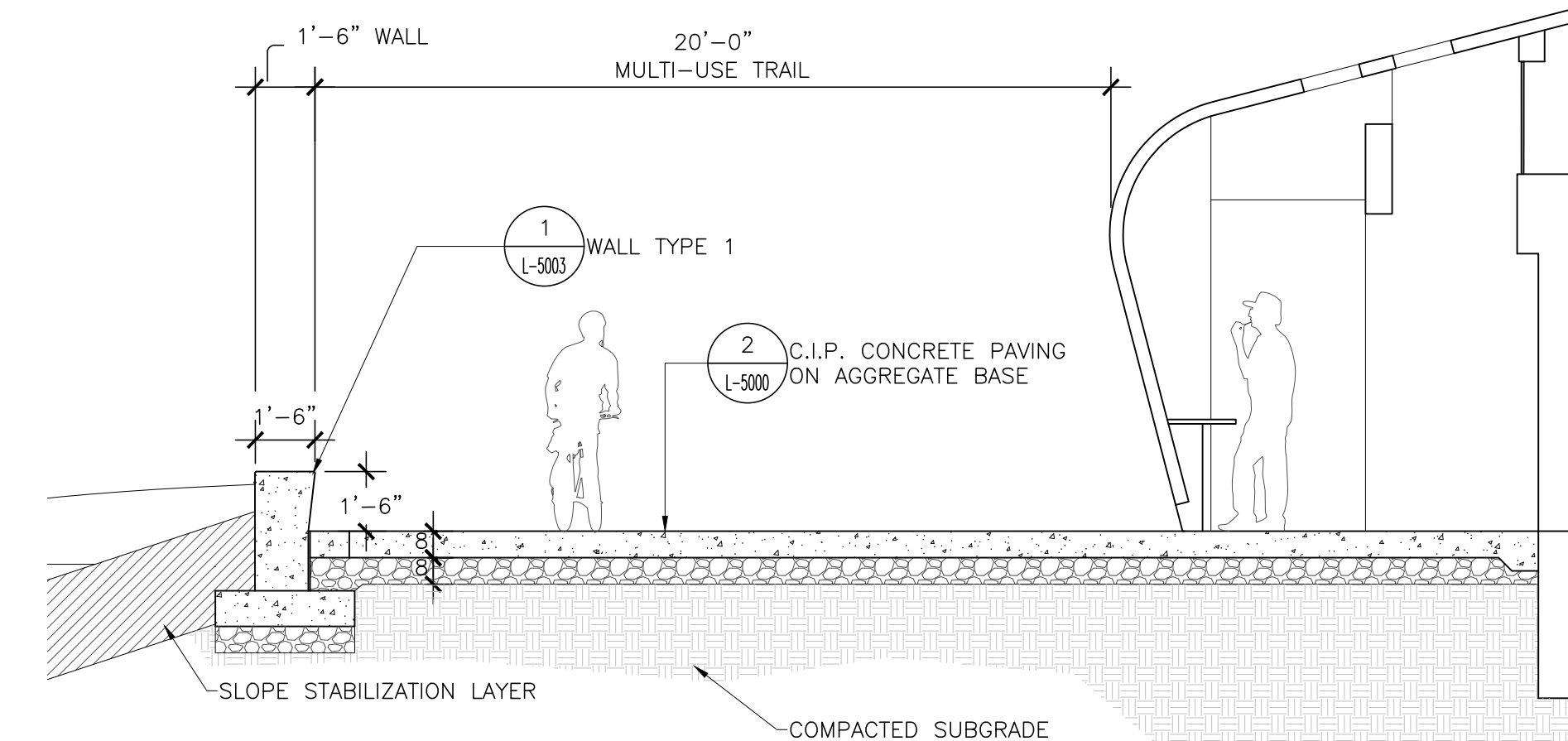
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No.	Date	Revisions

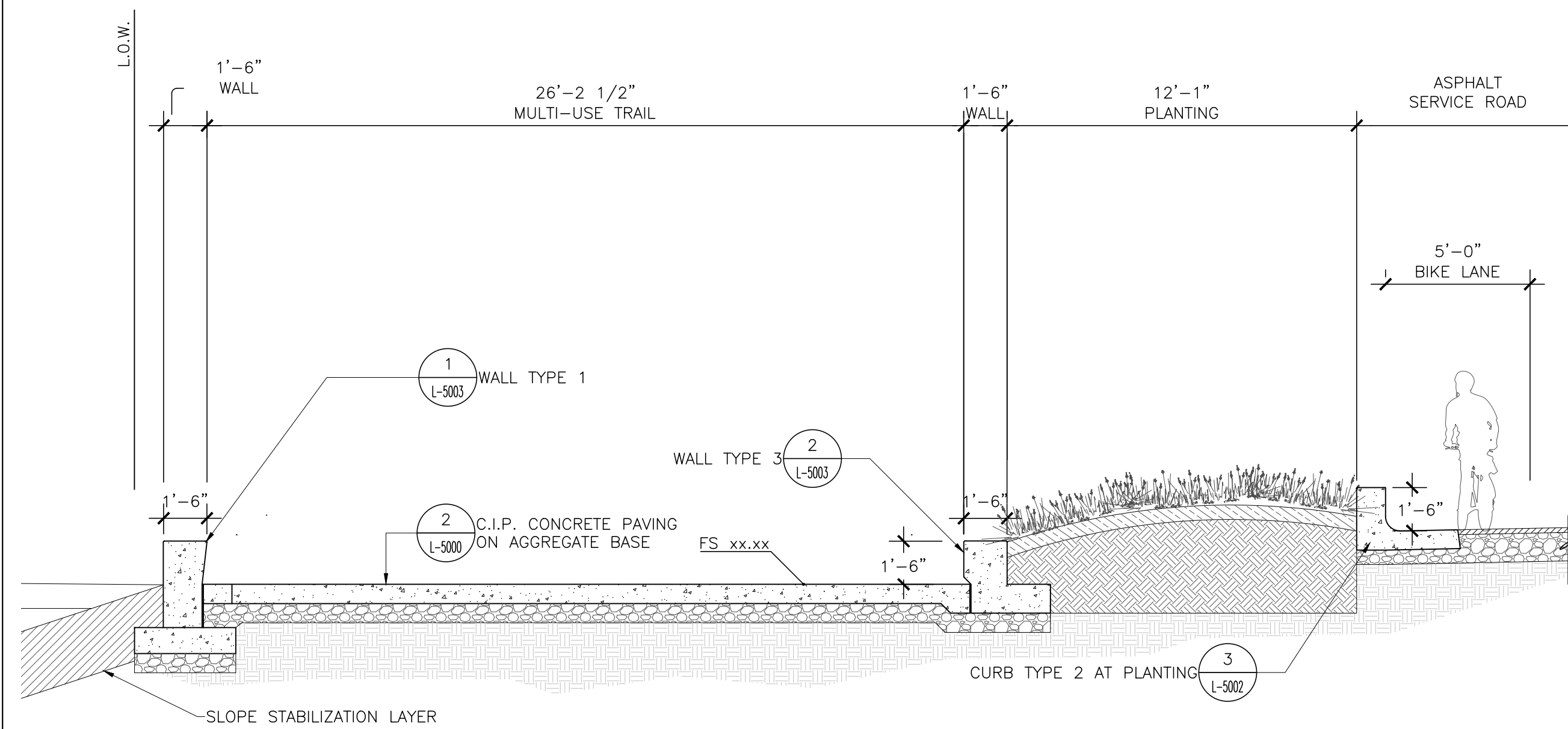
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Contract No. <b>WW-662</b>	Drawing Title <b>LANDSCAPE FINE GRADING 8</b>	Project No. PROJECT NO.
Elevation Datum XXXX	Drawing/File No.	Revision No. 0 Scale: AS SHOWN



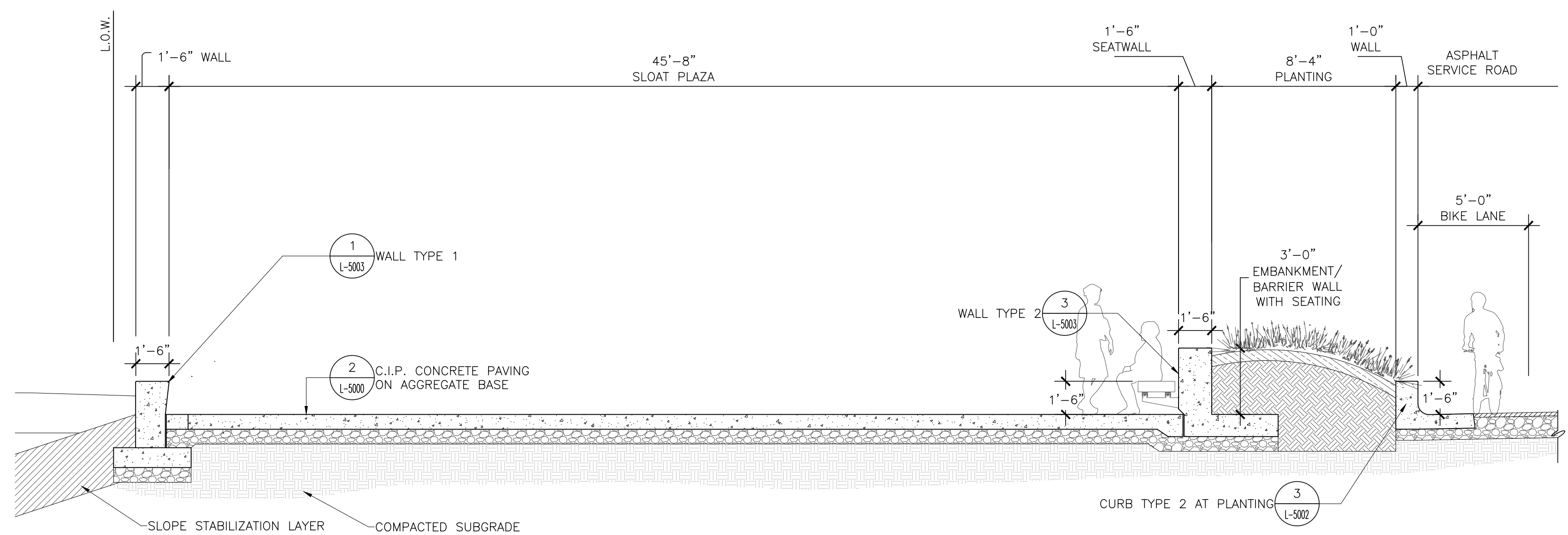
3 SECTION AT SLOAT PLAZA  
1/4" = 1'-0"



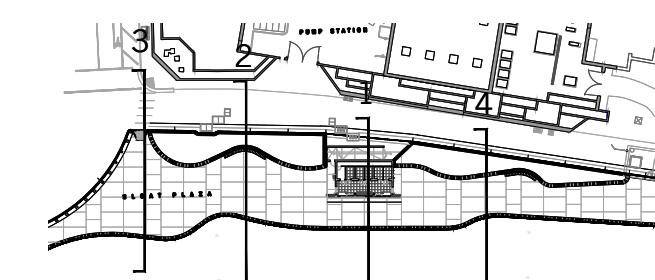
1 SECTION AT SLOAT PLAZA AND RESTROOM  
1/4" = 1'-0"




4 SECTION AT SLOAT PLANTING - 2  
1/4" = 1'-0"



2 SECTION AT SLOAT PLANTING - 1  
1/4" = 1'-0"




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 WVE O&M Mgr. \_\_\_\_\_  
 Section Mgr. \_\_\_\_\_  
 Designed \_\_\_\_\_  
 Drawn \_\_\_\_\_  
 Checked/Approved \_\_\_\_\_

Proj. Mgr. \_\_\_\_\_  
 Proj. Engr. \_\_\_\_\_  
 Approved \_\_\_\_\_  
 Designed \_\_\_\_\_  
 Drawn \_\_\_\_\_  
 Checked by \_\_\_\_\_

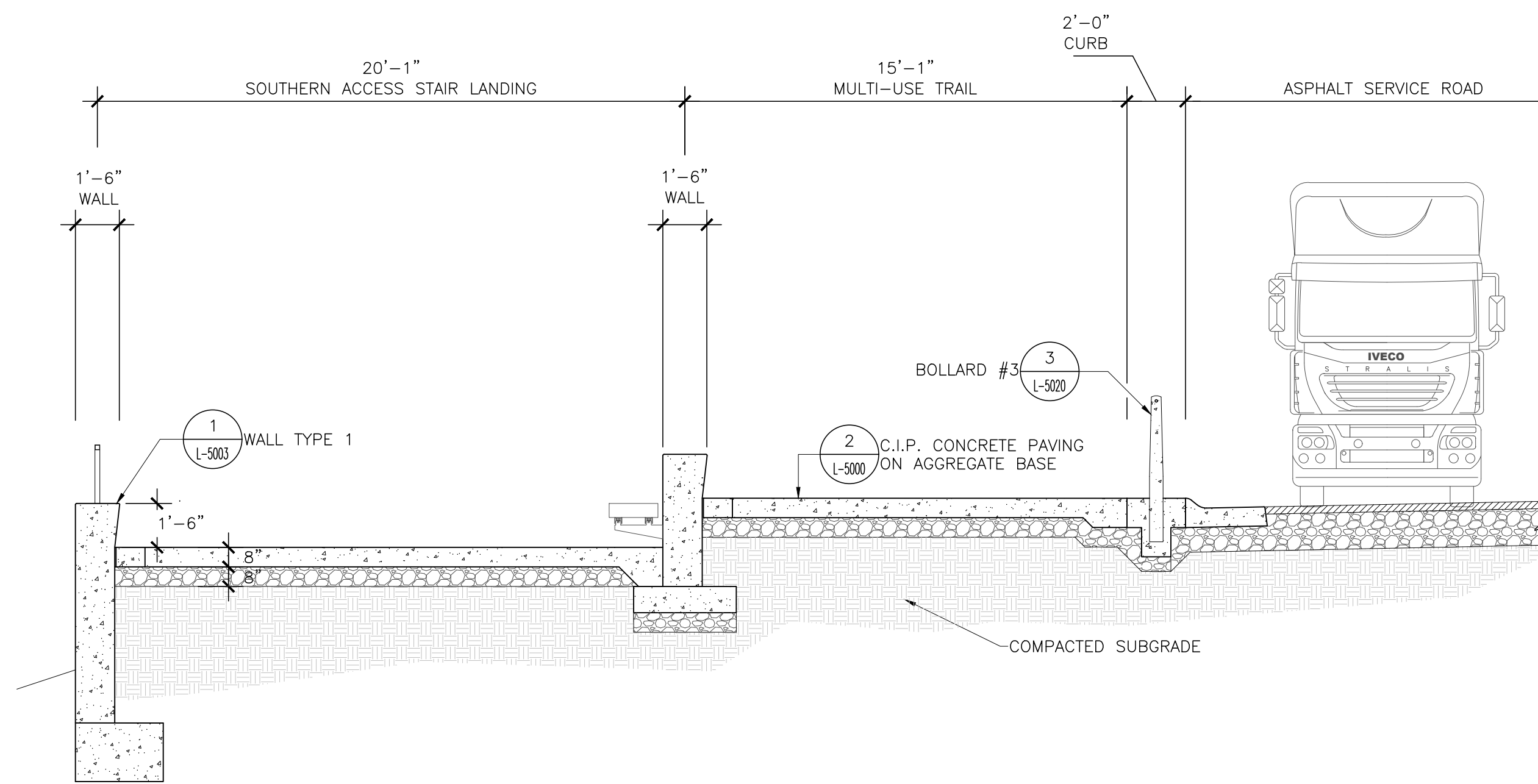
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**MFLA**  
 MUNDEN FRY LANDSCAPE ARCHITECTURE  
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 415-543-8202

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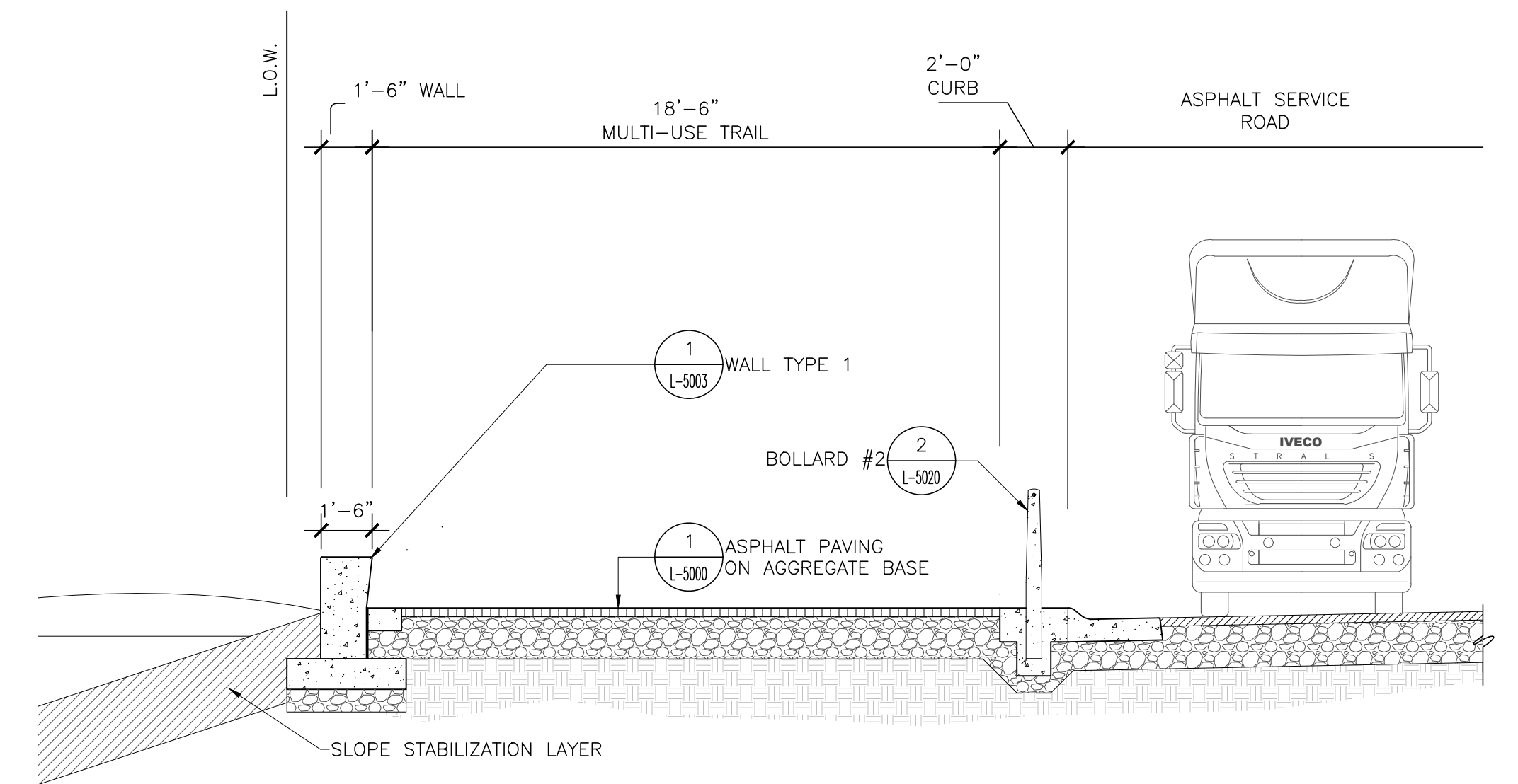
No.	Date	Revisions

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Contract No. <b>WW-662</b>	Drawing Title <b>SECTIONS</b>	Project No. PROJECT NO.
Elevation Datum XXXX	Drawing/File No.	Revision No. 0 Scale: AS SHOWN

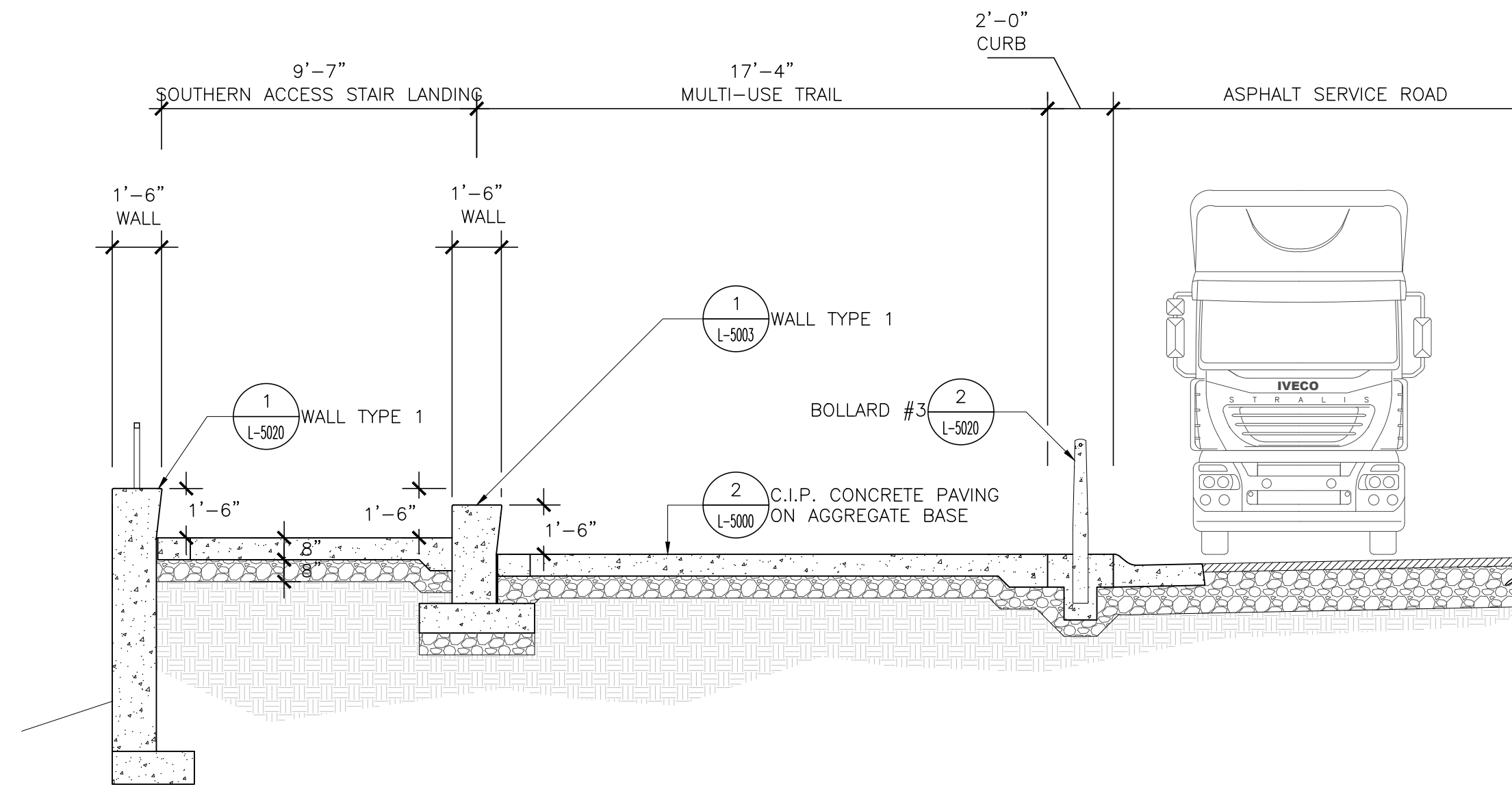




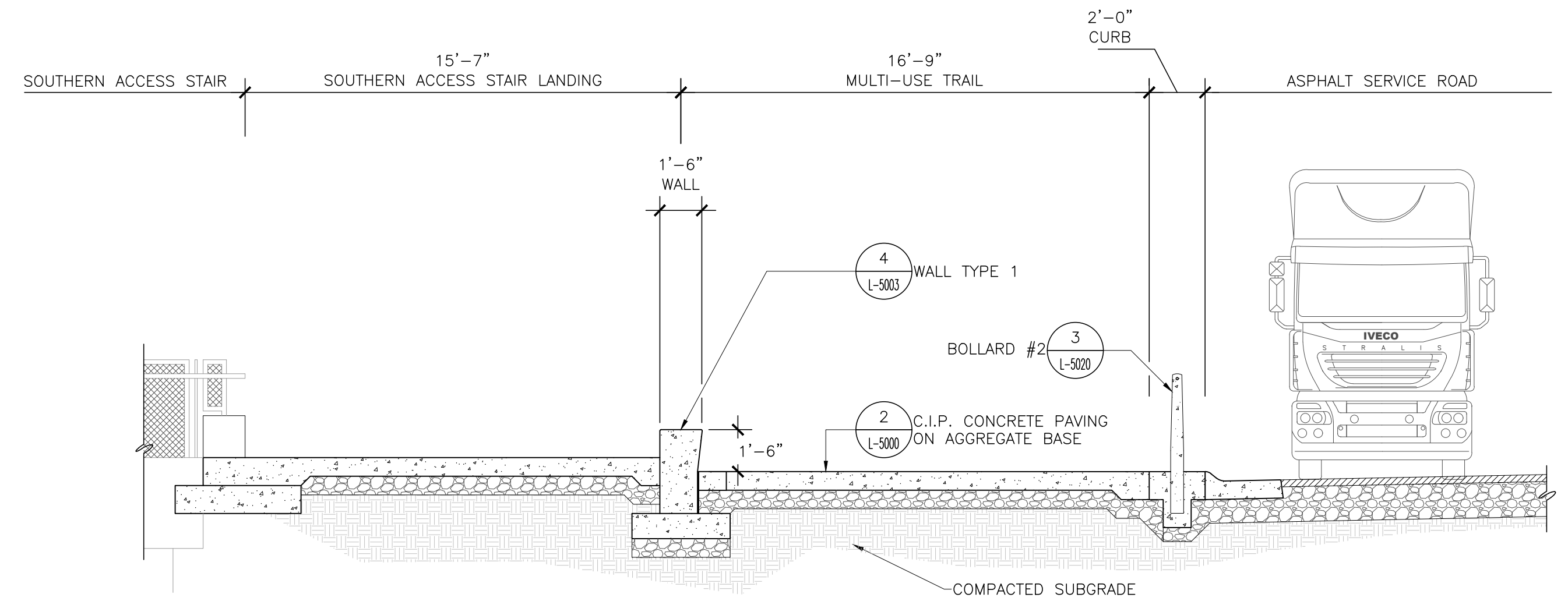
3 SECTION AT SOUTHERN ACCESS  
1/4" = 1'-0"



1 SECTION AT NORTH PINCH POINT  
1/4" = 1'-0"



4 SECTION AT SOUTHERN ACCESS  
1/4" = 1'-0"



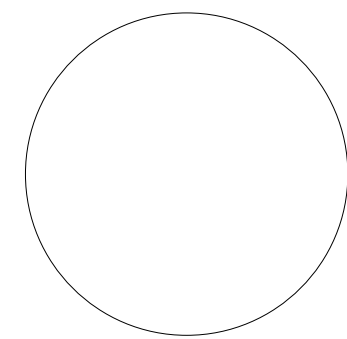
2 SECTION AT SOUTHERN ACCESS  
1/4" = 1'-0"



EMB Mgr. \_\_\_\_\_  
 WWE Engineering Mgr. \_\_\_\_\_  
 WWE O&M Mgr. \_\_\_\_\_  
 Section Mgr. \_\_\_\_\_  
 Designed \_\_\_\_\_  
 Drawn \_\_\_\_\_  
 Checked/Approved \_\_\_\_\_



Proj. Mgr. \_\_\_\_\_  
 Proj. Engr. \_\_\_\_\_  
 Approved \_\_\_\_\_  
 Designed \_\_\_\_\_  
 Drawn \_\_\_\_\_  
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Contract No. WW-662

Elevation Datum XXXX

Project OCEAN BEACH CLIMATE CHANGE ADAPTATION PROJECT - LONG TERM IMPROVEMENTS

Drawing Title SECTIONS

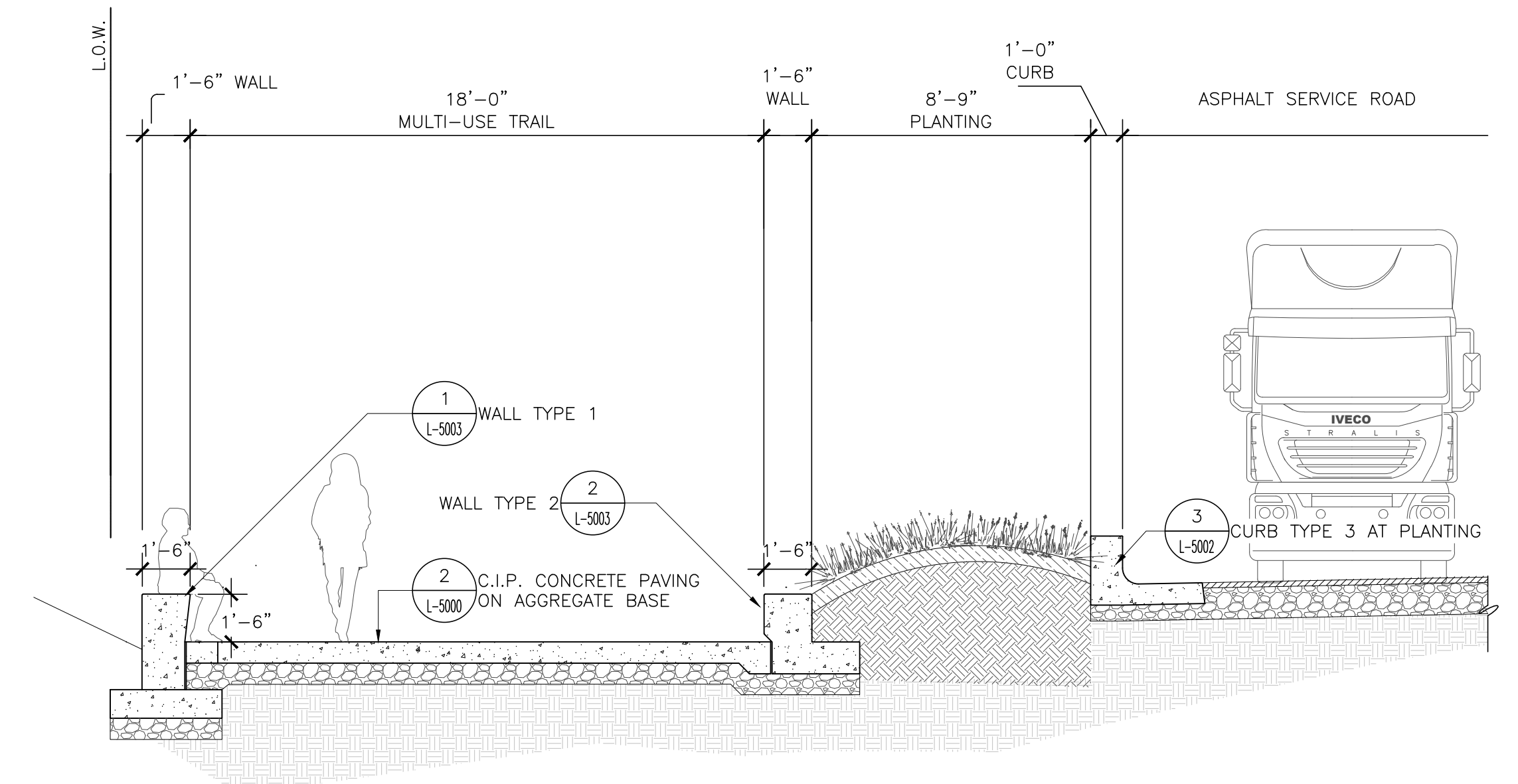
Drawing/File No

Revision No. 0

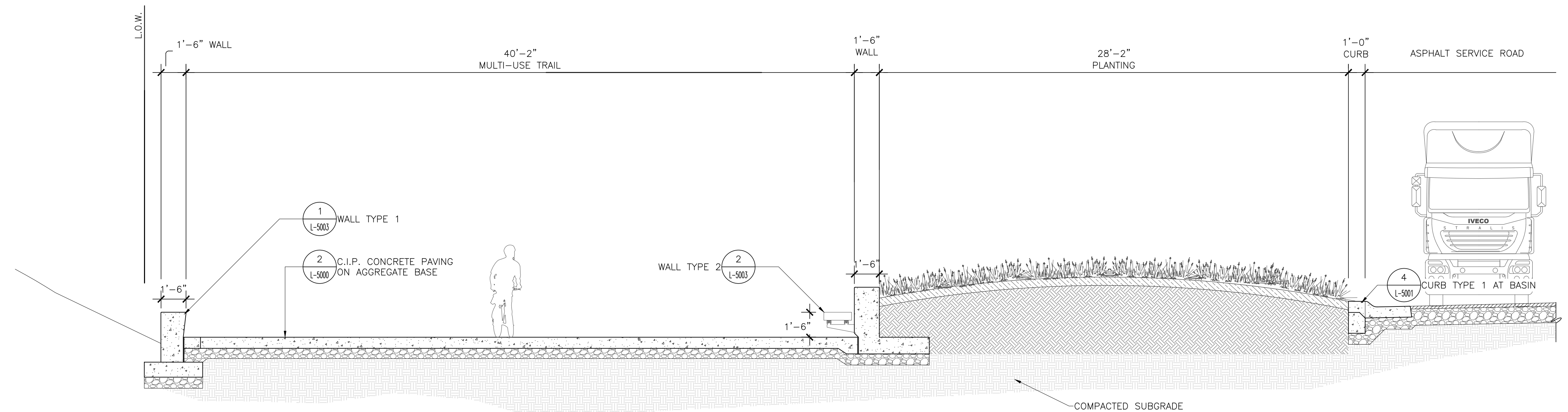
Plan No. L-3002

Project No. PROJECT NO.

Scale: AS SHOWN



1 SECTION AT SKYLINE  
1/4" = 1'-0"



2 SECTION AT SKYLINE  
1/4" = 1'-0"



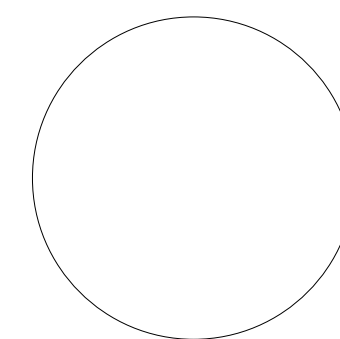
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INFRASTRUCTURE DIVISION  
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EMB Mgr. \_\_\_\_\_  
WWE Engineering Mgr. \_\_\_\_\_  
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Section Mgr. \_\_\_\_\_  
Designed \_\_\_\_\_  
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MUNDEN FRY LANDSCAPE ARCHITECTURE  
105 W. NORTH STREET, HEALDSBURG, CA 95448  
415-543-8202

Proj. Mgr. \_\_\_\_\_  
Proj. Engr. \_\_\_\_\_  
Approved \_\_\_\_\_  
Designed \_\_\_\_\_  
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WW-662

Elevation Datum  
XXXX

Project  
OCEAN BEACH CLIMATE CHANGE ADAPTATION  
PROJECT - LONG TERM IMPROVEMENTS

Drawing Title  
SECTIONS

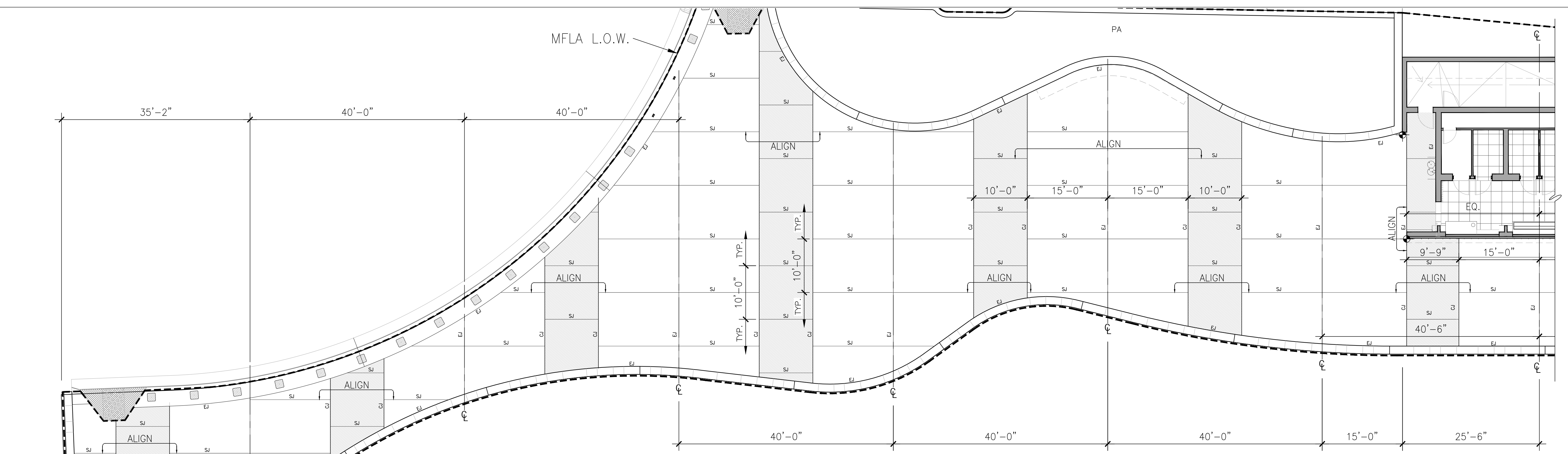
Drawing/File No

Revision No. 0

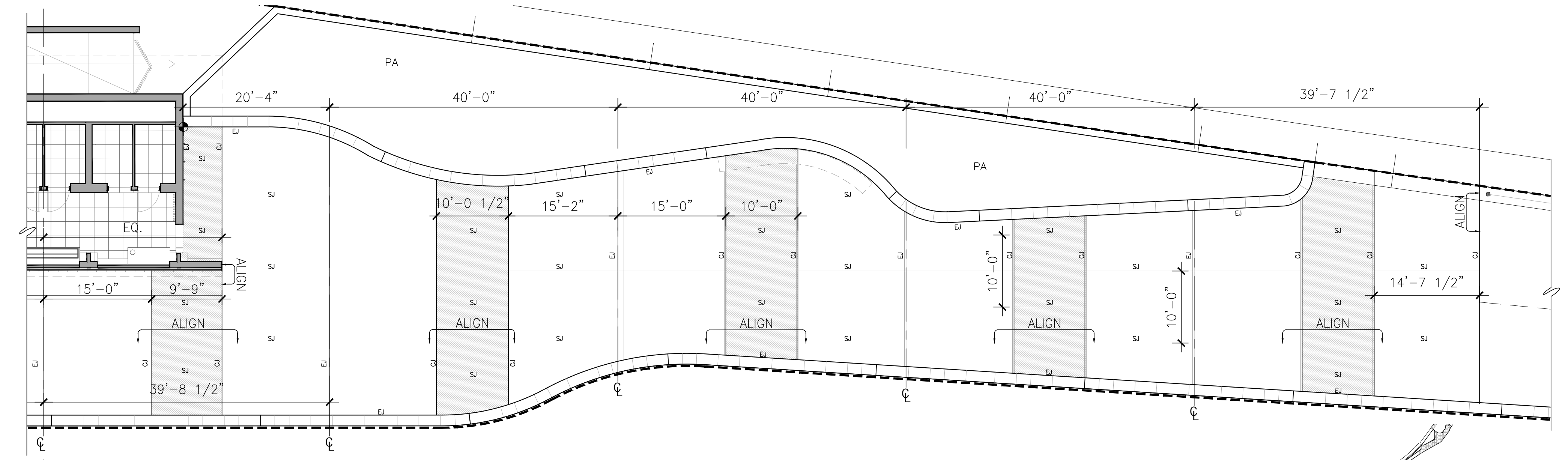
Plan No.  
L-3003

Project No.  
PROJECT NO.

Scale: AS SHOWN



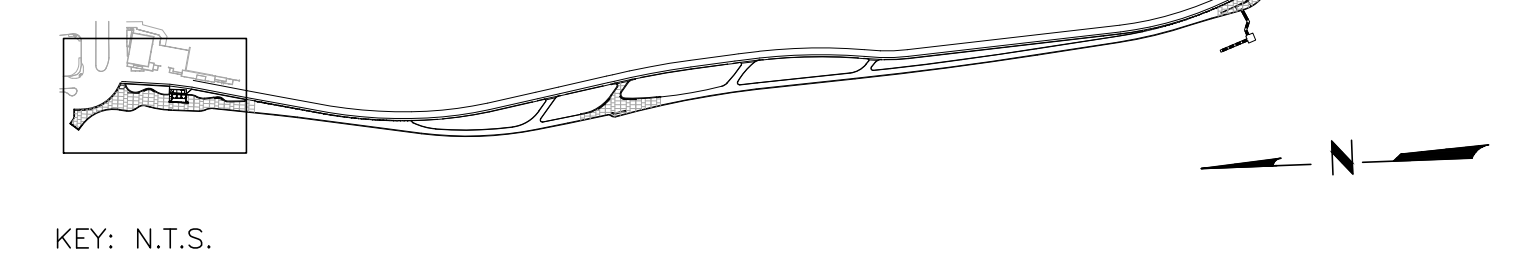
1 JOINTING PLAN SLOAT PLAZA (1 OF 2)  
1" = 1'-0"



2 JOINTING PLAN SLOAT PLAZA (2 OF 2)  
1" = 10'-0"

**JOINTING LEGEND**

SYMBOL	DESCRIPTION
	EXPANSION JOINT
	CONSTRUCTION JOINT
	SCORE JOINT
	CENTERLINE
	ENLARGEMENT KEY
	ALIGN
	DIMENSION (FEET - INCHES)
	RXX.XX RADIUS (INCHES)



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Section Mgr. \_\_\_\_\_  
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Drawn \_\_\_\_\_  
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Proj. Mgr. \_\_\_\_\_  
Proj. Engr. \_\_\_\_\_  
Approved \_\_\_\_\_  
Designed \_\_\_\_\_  
Drawn \_\_\_\_\_  
Checked by \_\_\_\_\_

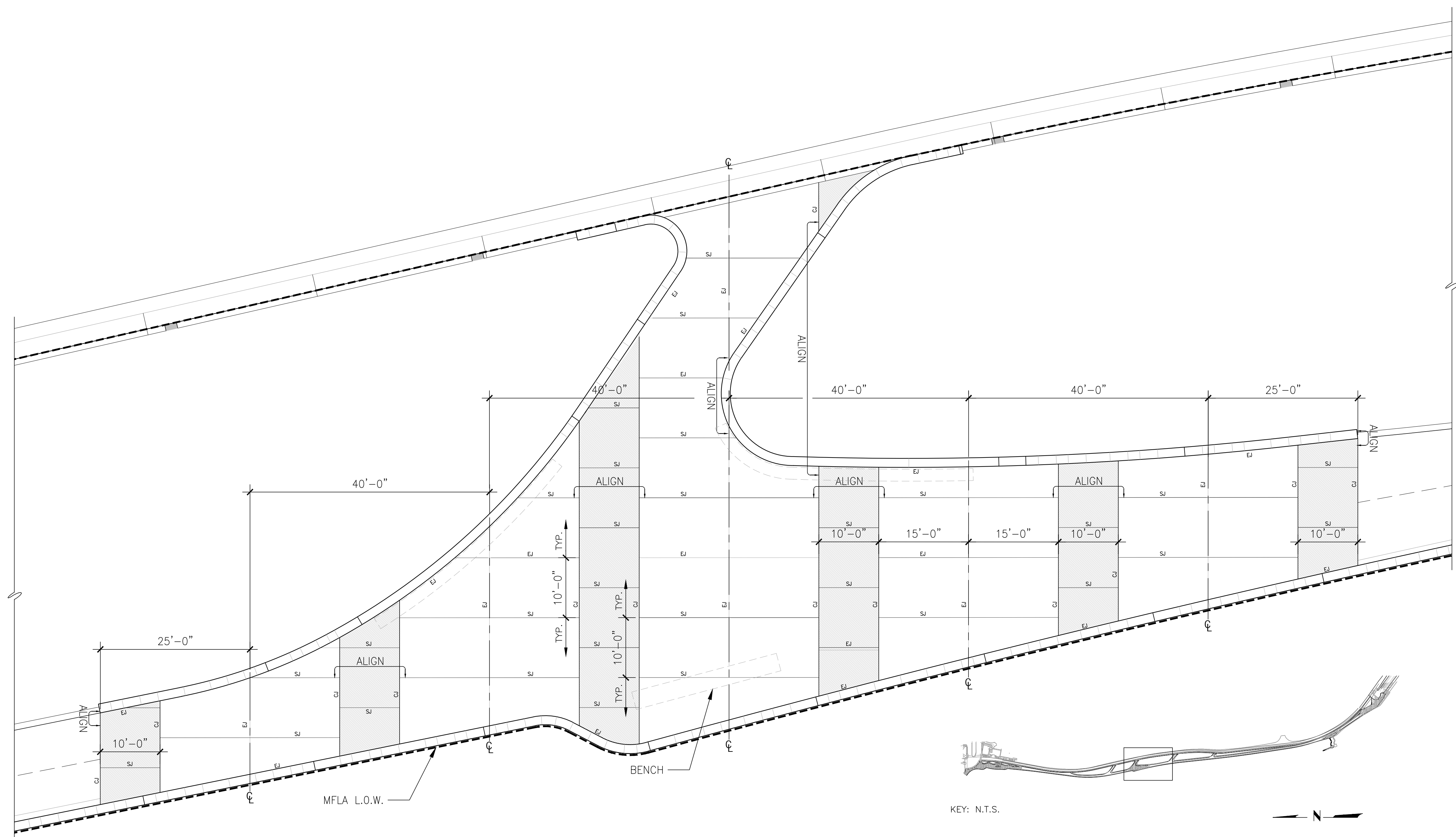
**MUNDEN FRY LANDSCAPE ASSOCIATES**  
**MFLA**

MUNDEN FRY LANDSCAPE ARCHITECTURE  
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415-543-8202

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Contract No. <b>WW-662</b>	Drawing Title <b>ENLARGEMENT PLAN 1</b>	Project No. PROJECT NO.	
Elevation Datum XXXX	Drawing/File No.	Revision No. 0	Scale: AS SHOWN



**JOINTING LEGEND**

SYMBOL	DESCRIPTION
—EJ—	EXPANSION JOINT
—CJ—	CONSTRUCTION JOINT
—SJ—	SCORE JOINT
---	CENTERLINE
- - -	ENLARGEMENT KEY
ALIGN	ALIGN
X' - XX"	DIMENSION (FEET - INCHES)
RXX.XX	RADIUS (INCHES)

**1 JOINTING PLAN ZOO INTERSECTION**  
 1" = 10'-0"

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EMB Mgr. \_\_\_\_\_  
 WWE Engineering Mgr. \_\_\_\_\_  
 WWE O&M Mgr. \_\_\_\_\_  
 Section Mgr. \_\_\_\_\_  
 Designed \_\_\_\_\_  
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**MFLA**  
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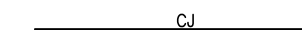
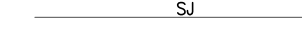
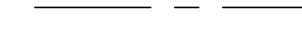

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Contract No WW-662	Drawing Title ENLARGEMENT PLAN 2		Project No. PROJECT NO.
Elevation Datum XXXX	Drawing/File No	Revision No. 0	Scale: AS SHOWN

JOINTING LEGEND

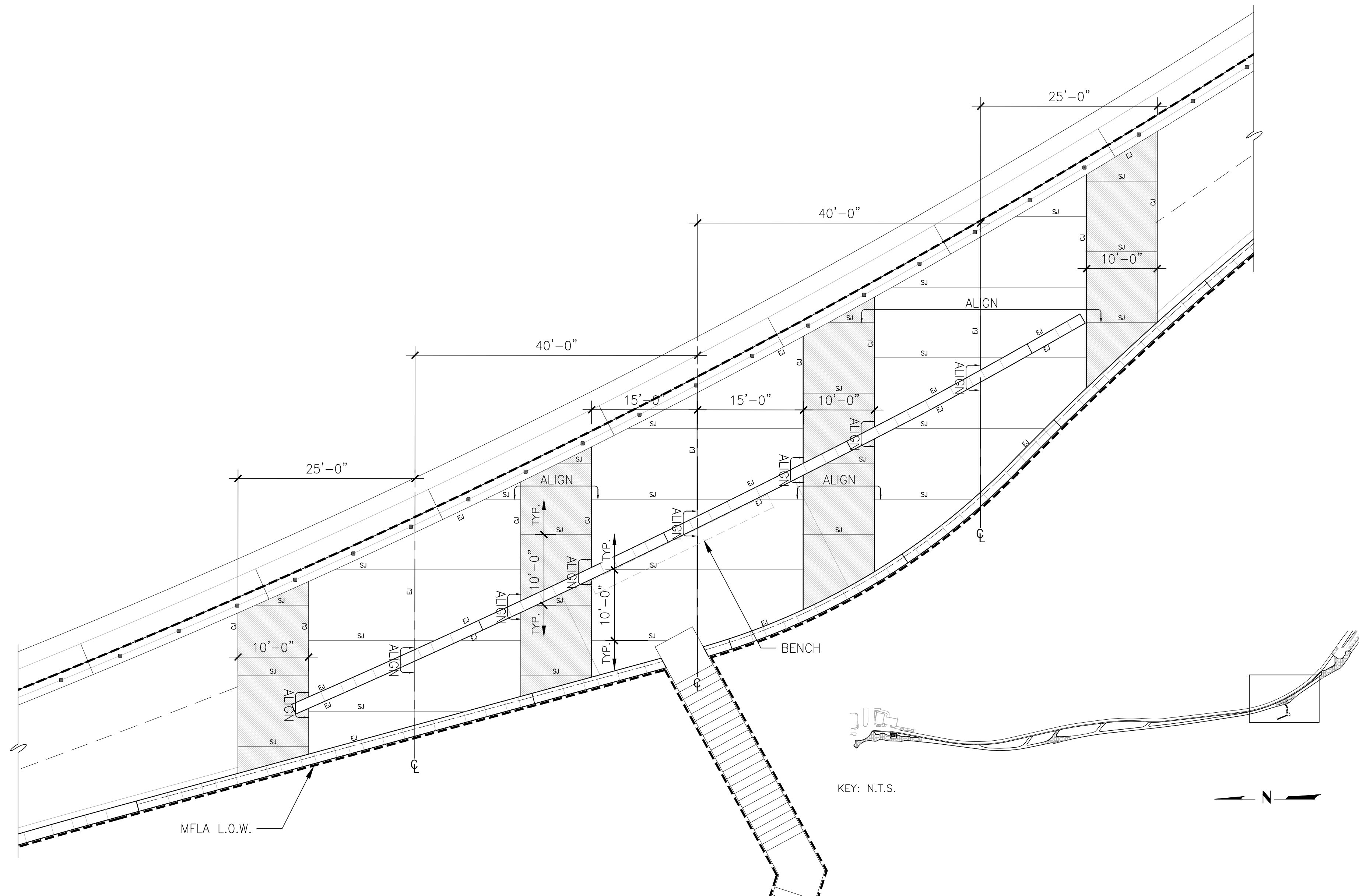
SYMBOL DESCRIPTION

-  EXPANSION JOINT
-  CONSTRUCTION JOINT
-  SCORE JOINT
-  CENTERLINE
-  ENLARGEMENT KEY

 ALIGN

 DIMENSION (FEET - INCHES)

 RADIUS (INCHES)



1 JOINTING PLAN SOUTH BEACH ACCESS  
1" = 10'-0"



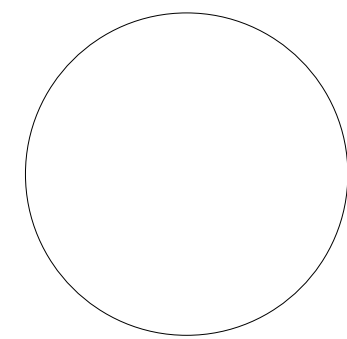
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WWE Engineering Mgr. \_\_\_\_\_  
WWE O&M Mgr. \_\_\_\_\_  
  
Section Mgr. \_\_\_\_\_  
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**WW-662**

Elevation Datum  
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Project  
**OCEAN BEACH CLIMATE CHANGE ADAPTATION PROJECT - LONG TERM IMPROVEMENTS**

Drawing Title  
**ENLARGEMENT PLAN 3**

Drawing/File No

Revision No. 0

Plan No.  
**L-4002**

Project No.  
PROJECT NO.

Scale: AS SHOWN

JOINTING LEGEND

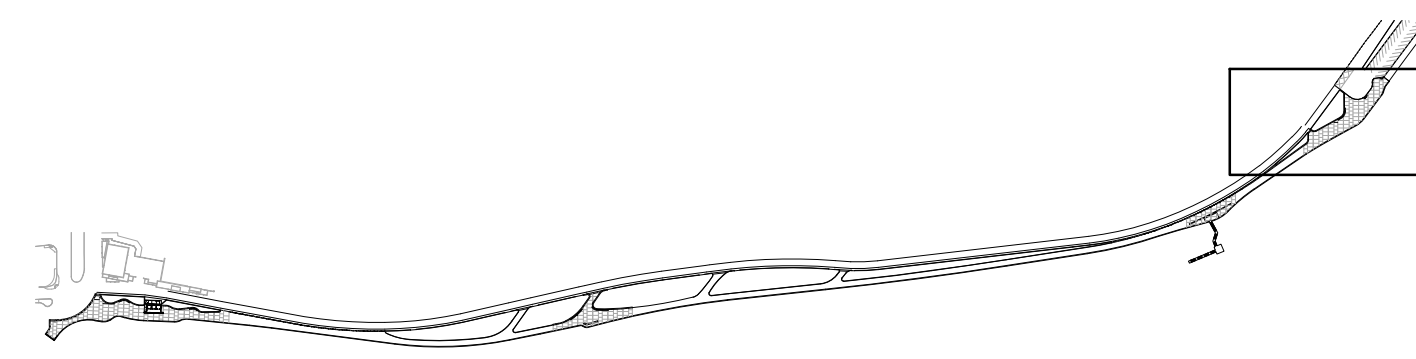
SYMBOL DESCRIPTION

- EXPANSION JOINT
- CONSTRUCTION JOINT
- SCORE JOINT
- CENTERLINE
- ENLARGEMENT KEY

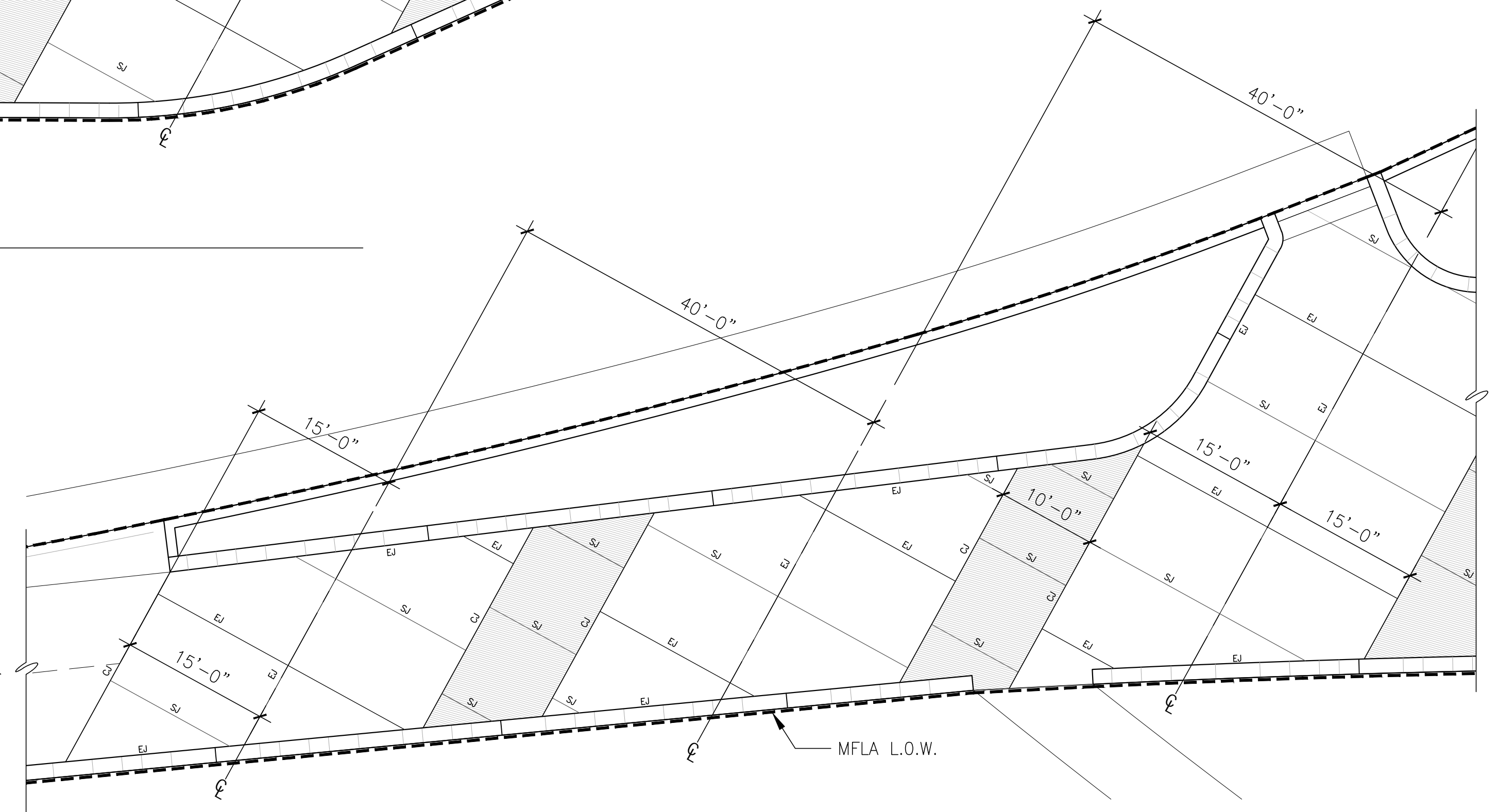
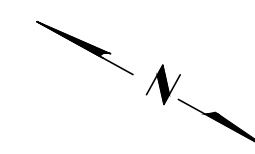
- ALIGN
- DIMENSION (FEET - INCHES)
- RXX.XX RADIUS (INCHES)



1 JOINTING PLAN SKYLINE DROP-OFF SOUTH  
1" = 10'-0"



KEY: N.T.S.



2 JOINTING PLAN SKYLINE DROP OFF NORTH  
1" = 1'-0"



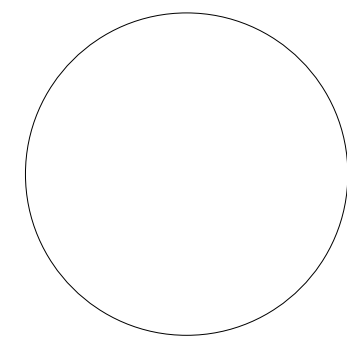
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WWE Engineering Mgr. \_\_\_\_\_  
WWE O&M Mgr. \_\_\_\_\_  
Section Mgr. \_\_\_\_\_  
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**MFLA**

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Project  
**OCEAN BEACH CLIMATE CHANGE ADAPTATION PROJECT - LONG TERM IMPROVEMENTS**

Drawing Title  
**ENLARGEMENT PLAN 4**

Drawing/File No

Revision No. 0

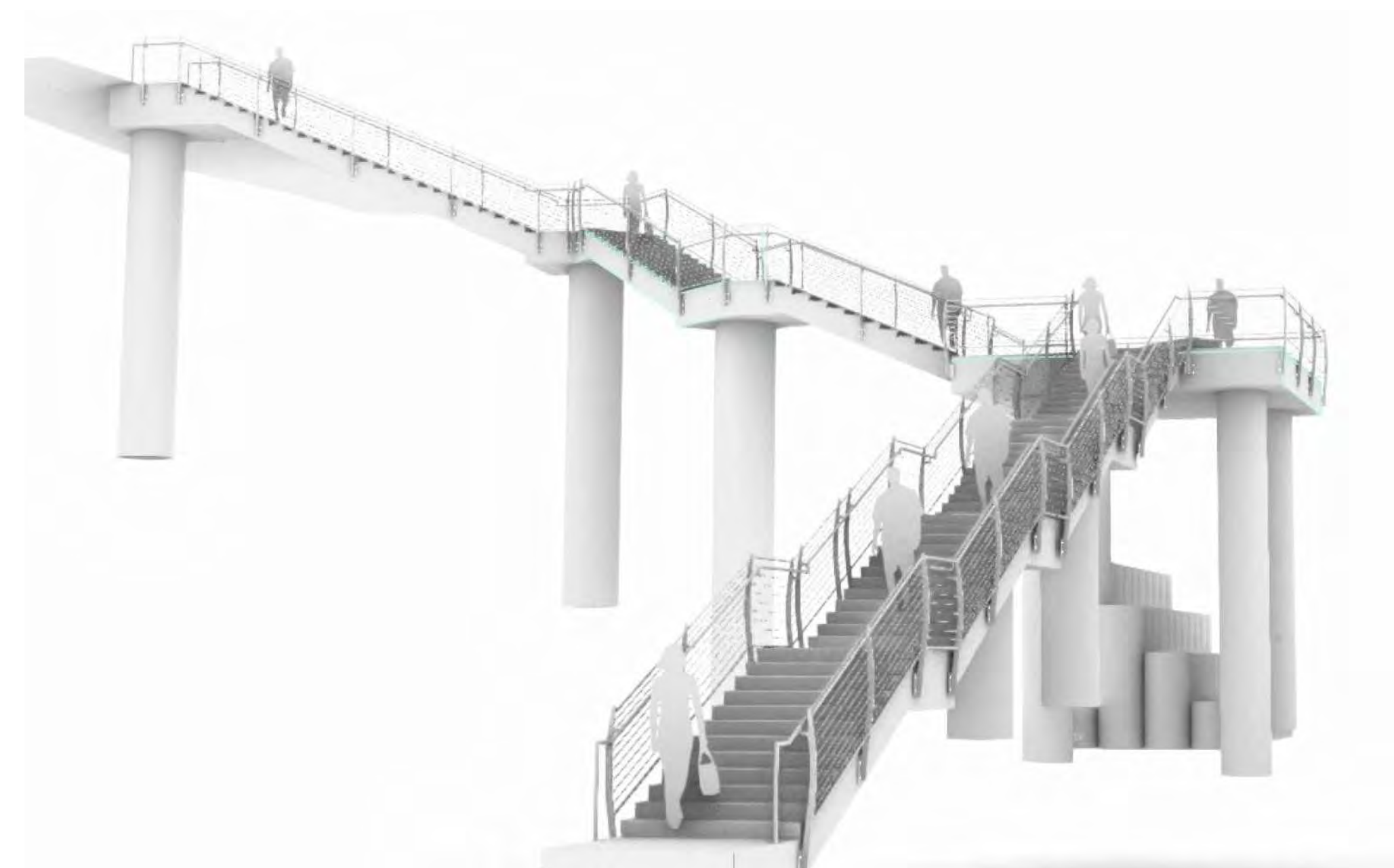
Plan No.  
**L-4003**

Project No.  
PROJECT NO.

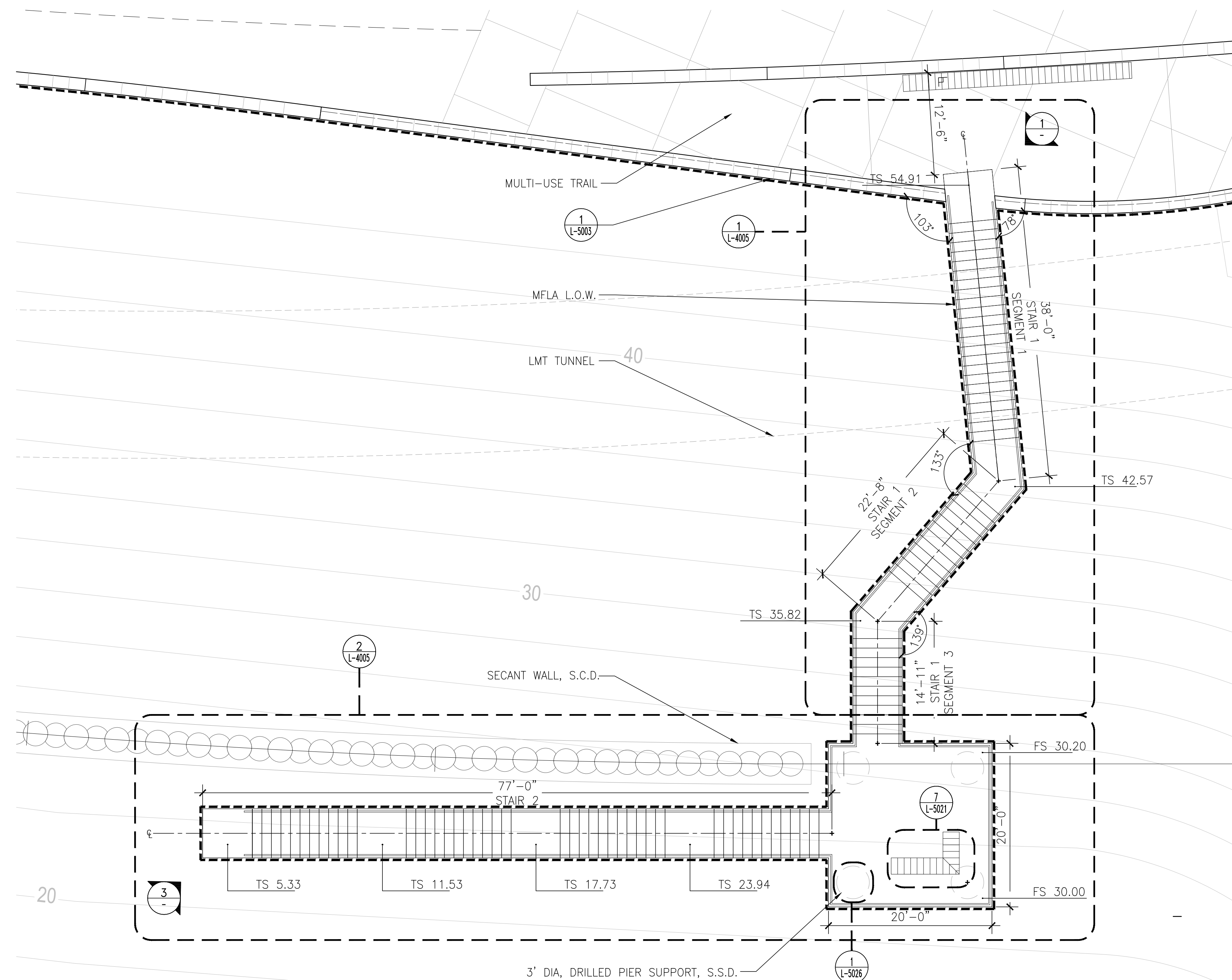
Scale: AS SHOWN



2 BEACH ACCESS VIEW  
NTS



3 BEACH ACCESS VIEW  
NTS



1 BEACH ACCESS STAIR LAYOUT PLAN  
1/8" = 1'-0"

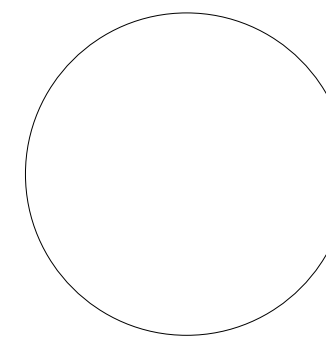


EMB Mgr. \_\_\_\_\_  
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 WWE O&M Mgr. \_\_\_\_\_  
 Section Mgr. \_\_\_\_\_  
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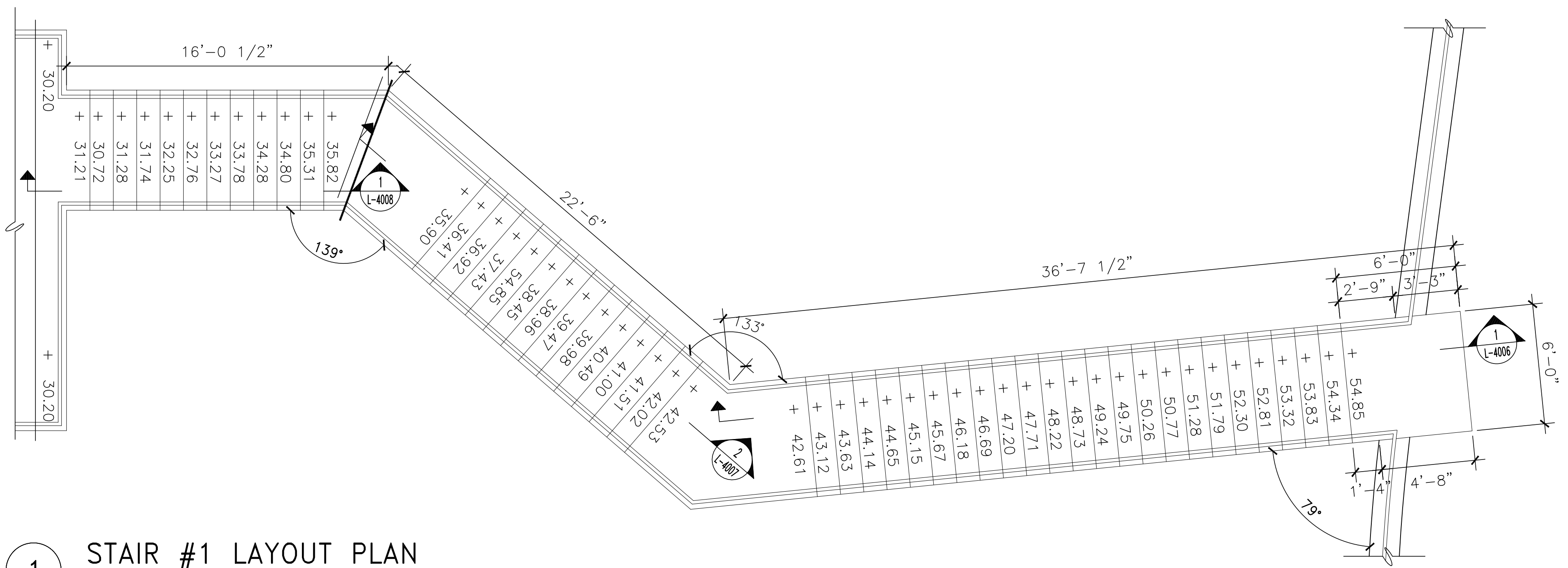
Drawing Title ENLARGEMENT - STAIRS

Drawing/File No. \_\_\_\_\_ Revision No. 0

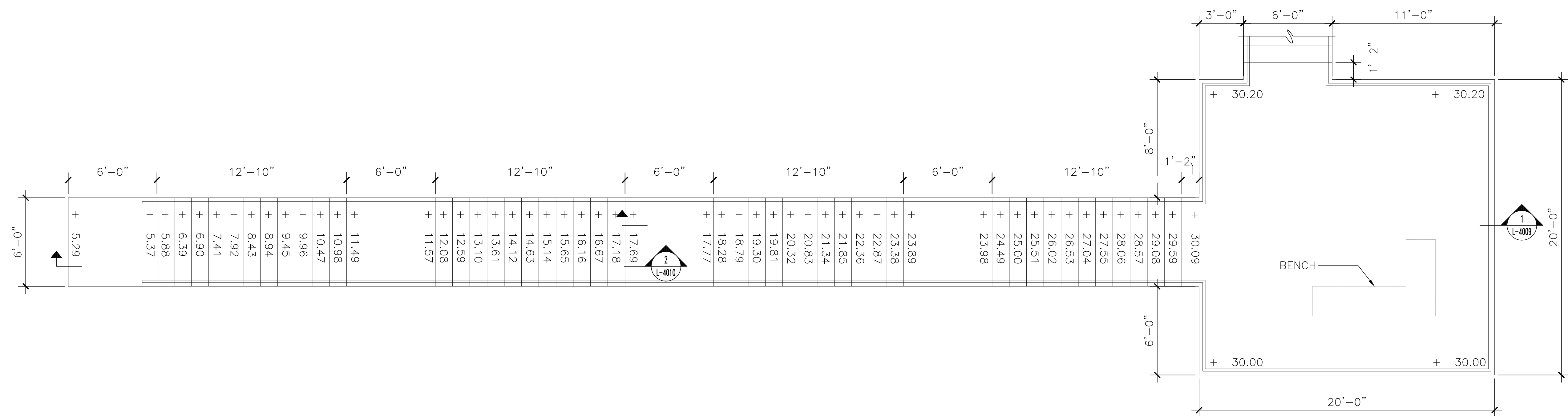
Plan No. L-4004

Project No. PROJECT NO.


Scale: AS SHOWN



**1 STAIR #1 LAYOUT PLAN**  
1/4" = 1'-0"



**2 STAIR #2 LAYOUT PLAN**  
1/4" = 1'-0"

  
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 WW O&M Mgr. \_\_\_\_\_  
 Section Mgr. \_\_\_\_\_  
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 Drawn \_\_\_\_\_  
 Checked/Approved \_\_\_\_\_

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 Proj. Engr. \_\_\_\_\_  
 Approved \_\_\_\_\_  
 Designed \_\_\_\_\_  
 Drawn \_\_\_\_\_  
 Checked by \_\_\_\_\_

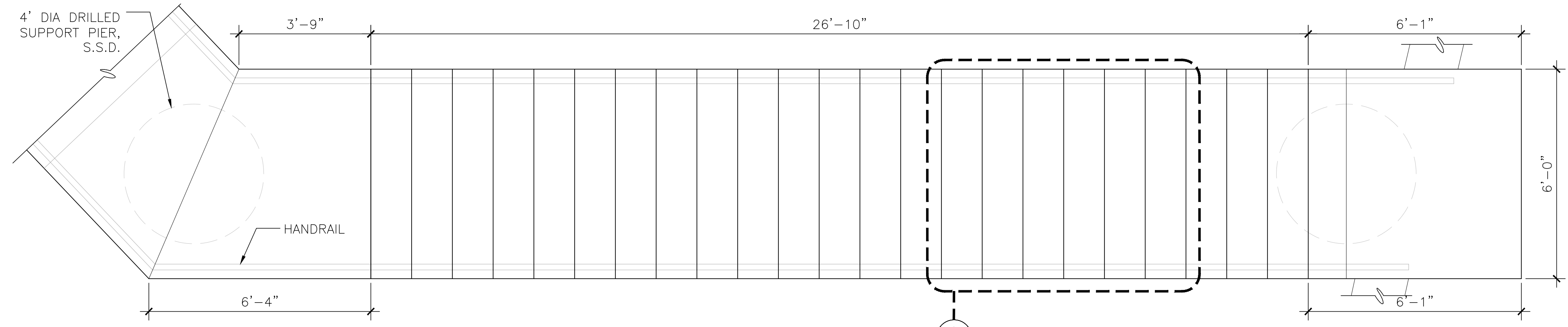
**MUNDEN FRY LANDSCAPE ASSOCIATES**  
**MFLA**  
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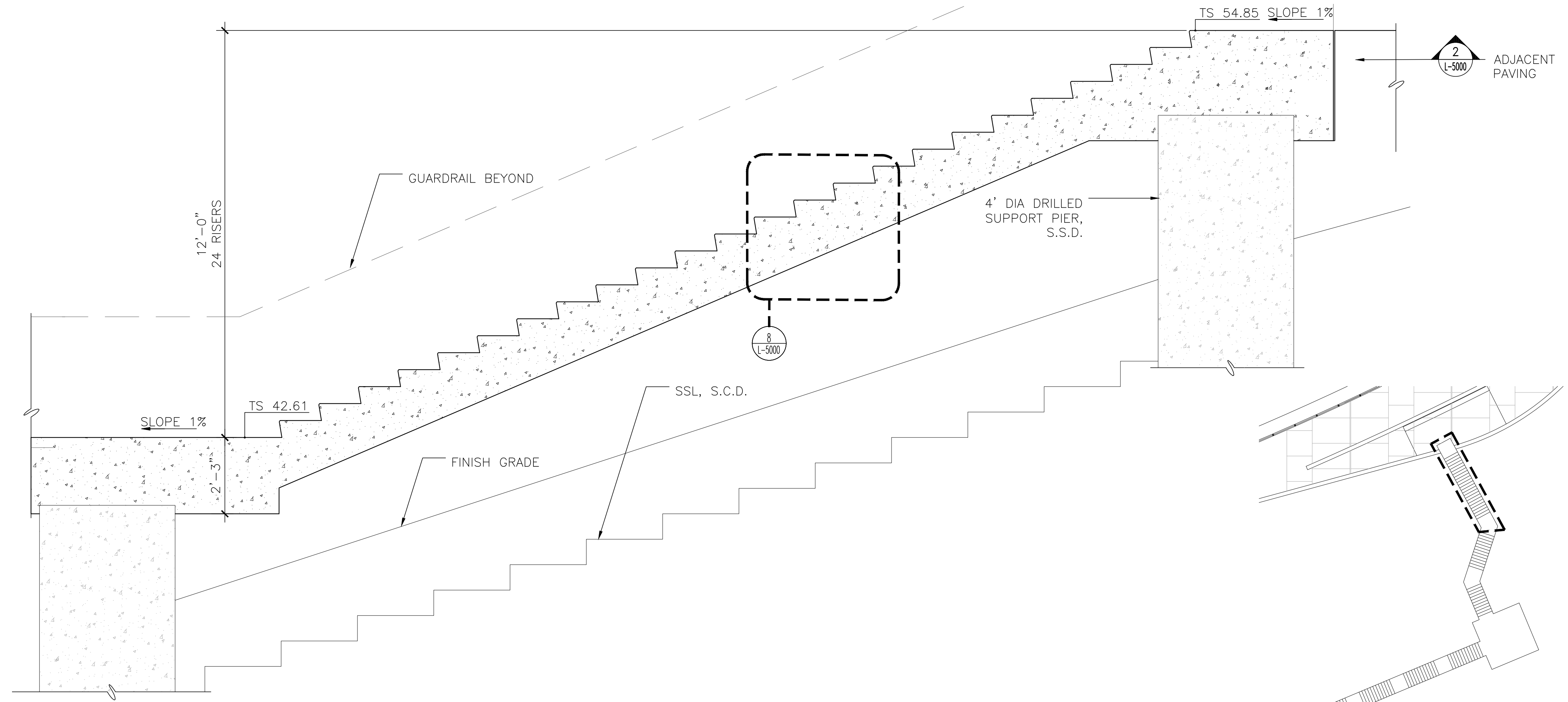
No.	Date	Revisions

Project <b>OCEAN BEACH CLIMATE CHANGE ADAPTATION PROJECT - LONG TERM IMPROVEMENTS</b>		Plan No. <b>L-4005</b>
Contract No. <b>WW-662</b>	Drawing Title <b>ENLARGEMENT - STAIRS</b>	Project No. PROJECT NO.
Elevation Datum XXXX	Drawing/File No	Revision No. 0 Scale: AS SHOWN





1 BEACH ACCESS STAIR PLAN  
1/2" = 1'-0"



2 BEACH ACCESS STAIR ELEVATION  
1/2" = 1'-0"

KEY: N.T.S.

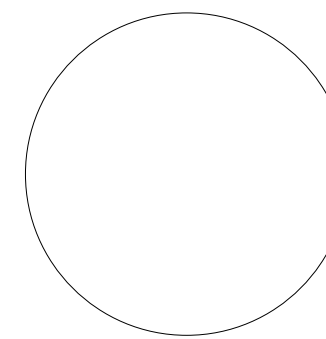


EMB Mgr. \_\_\_\_\_  
 WWE Engineering Mgr. \_\_\_\_\_  
 WWE O&M Mgr. \_\_\_\_\_  
 Section Mgr. \_\_\_\_\_  
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 Elevation Datum XXXX

Project OCEAN BEACH CLIMATE CHANGE ADAPTATION PROJECT - LONG TERM IMPROVEMENTS

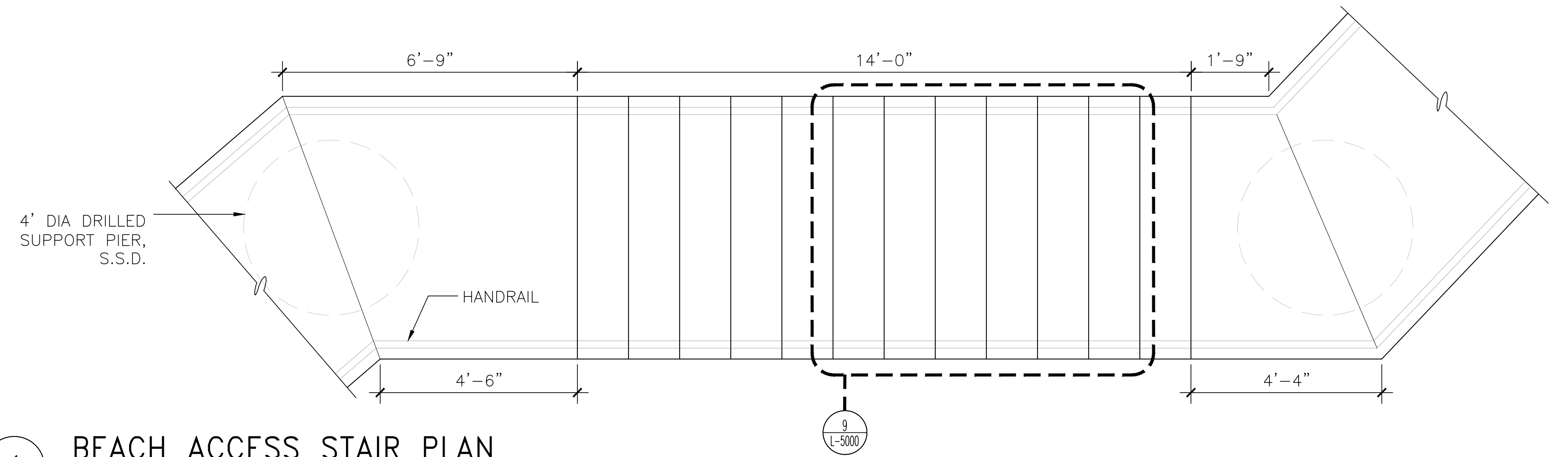
Drawing Title ENLARGEMENT - STAIRS

Drawing/File No. \_\_\_\_\_ Revision No. 0

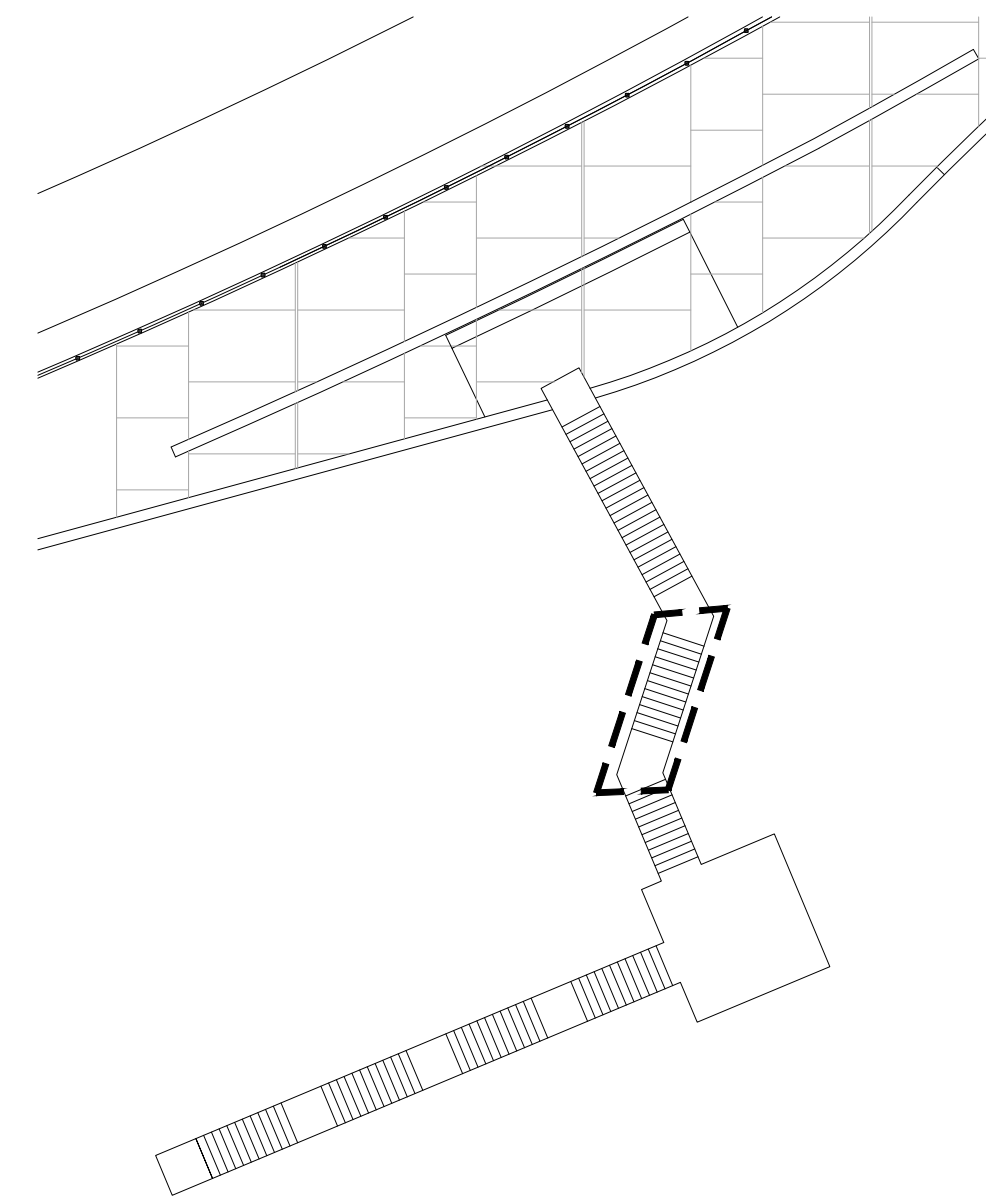
Plan No. L-4006

Project No. PROJECT NO.

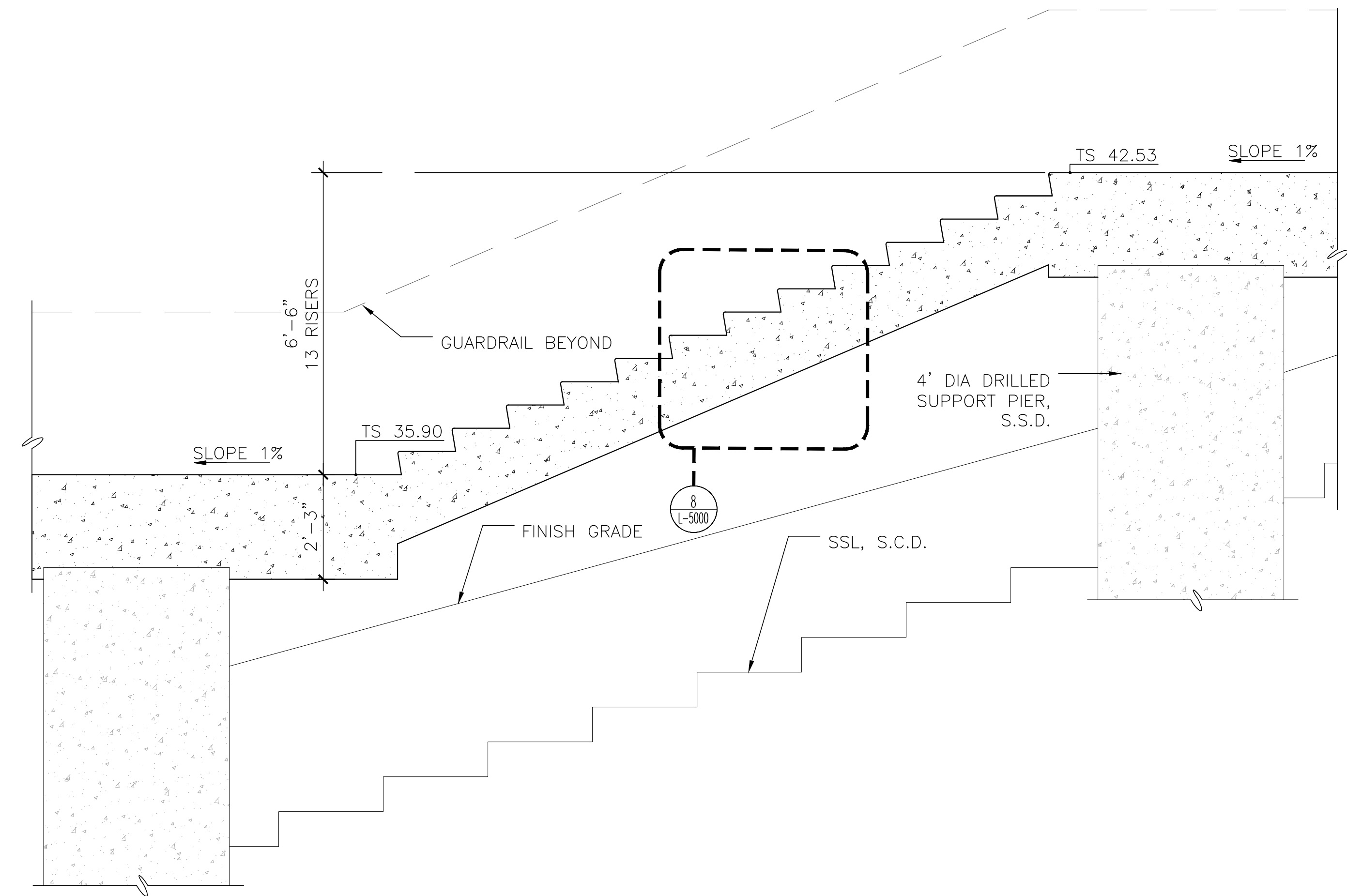
Scale: AS SHOWN



1 BEACH ACCESS STAIR PLAN  
1/2" = 1'-0"



KEY: N.T.S.



2 BEACH ACCESS STAIR SECTION  
1/2" = 1'-0"



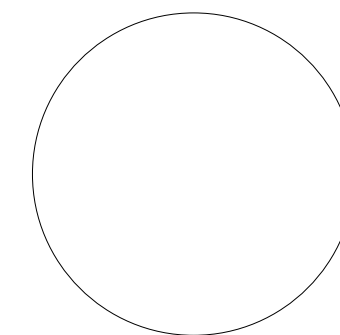
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WWE Engineering Mgr. \_\_\_\_\_  
WWE O&M Mgr. \_\_\_\_\_  
Section Mgr. \_\_\_\_\_  
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Drawn \_\_\_\_\_  
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MUNDEN FRY LANDSCAPE ARCHITECTURE  
105 W. NORTH STREET, HEALDSBURG, CA 95448  
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WW-662

Elevation Datum  
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Project  
OCEAN BEACH CLIMATE CHANGE ADAPTATION  
PROJECT - LONG TERM IMPROVEMENTS

Drawing Title  
ENLARGEMENT - STAIRS

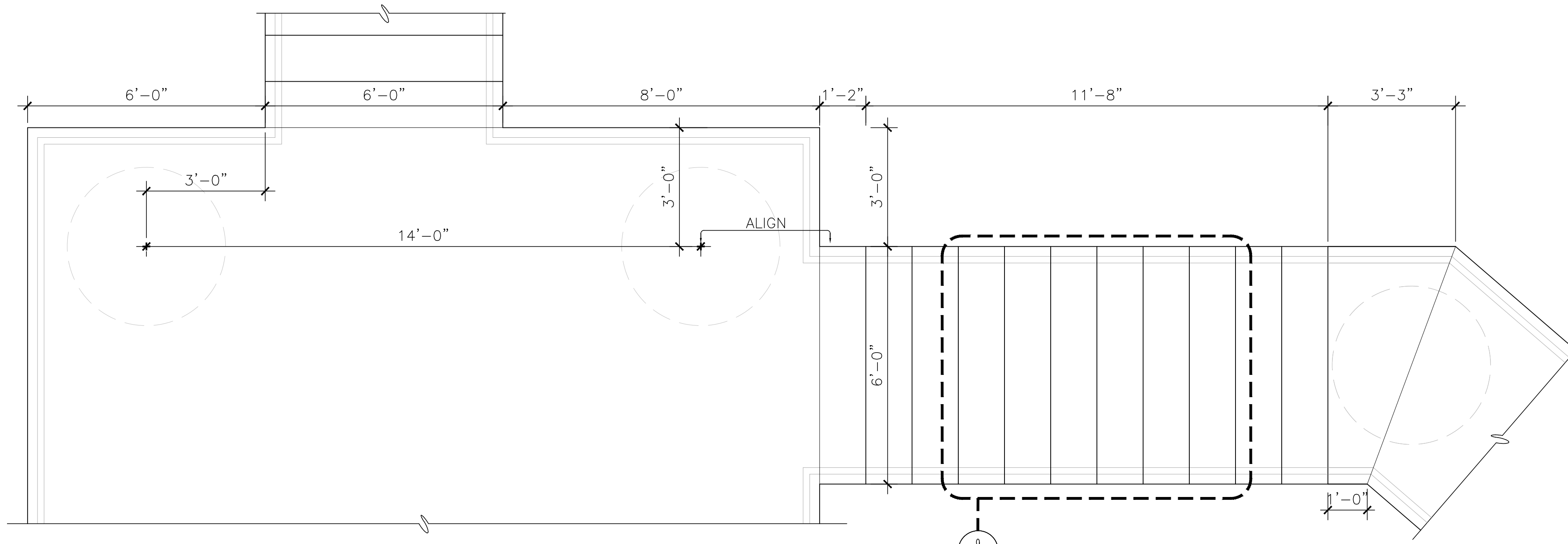
Drawing/File No

Revision No. 0

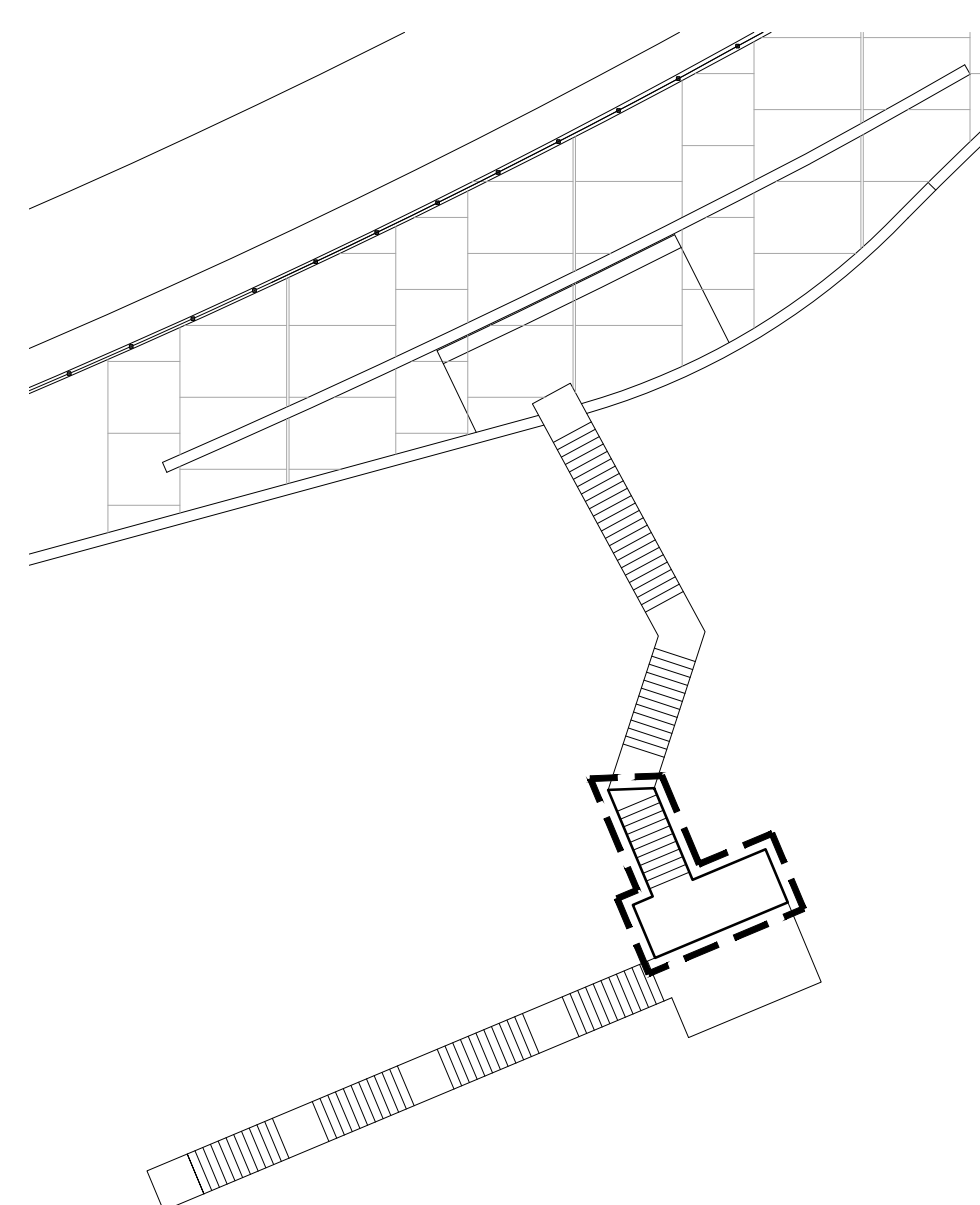
Plan No.  
L-4007

Project No.  
PROJECT NO.

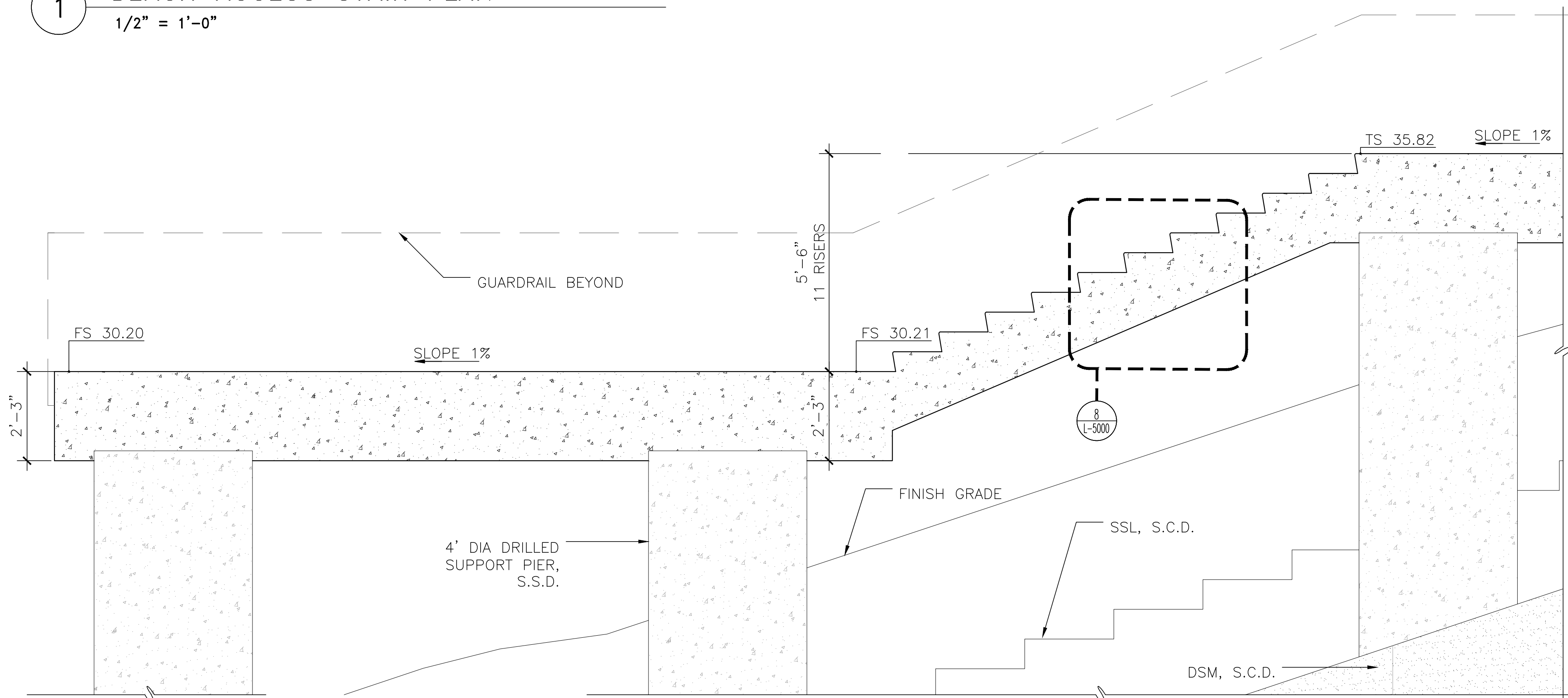
Scale: AS SHOWN



**1** BEACH ACCESS STAIR PLAN  
1/2" = 1'-0"



KEY: N.T.S.



**2** BEACH ACCESS STAIR SECTION  
1/2" = 1'-0"



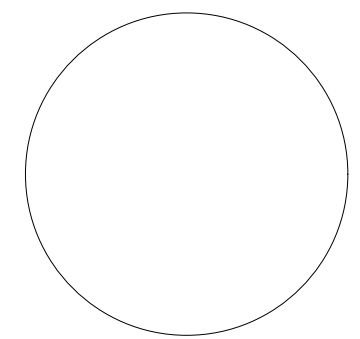
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WWE Engineering Mgr. \_\_\_\_\_  
WWE O&M Mgr. \_\_\_\_\_  
Section Mgr. \_\_\_\_\_  
Designed \_\_\_\_\_  
Drawn \_\_\_\_\_  
Checked/Approved \_\_\_\_\_



MUNDEN FRY LANDSCAPE ARCHITECTURE  
105 W. NORTH STREET, HEALDSBURG, CA 95448  
415-543-8202

Proj. Mgr. \_\_\_\_\_  
Proj. Engr. \_\_\_\_\_  
Approved \_\_\_\_\_  
Designed \_\_\_\_\_  
Drawn \_\_\_\_\_  
Checked by \_\_\_\_\_



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No.	Date	Revisions

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Contract No  
**WW-662**

Elevation Datum  
XXXX

Project  
**OCEAN BEACH CLIMATE CHANGE ADAPTATION PROJECT - LONG TERM IMPROVEMENTS**

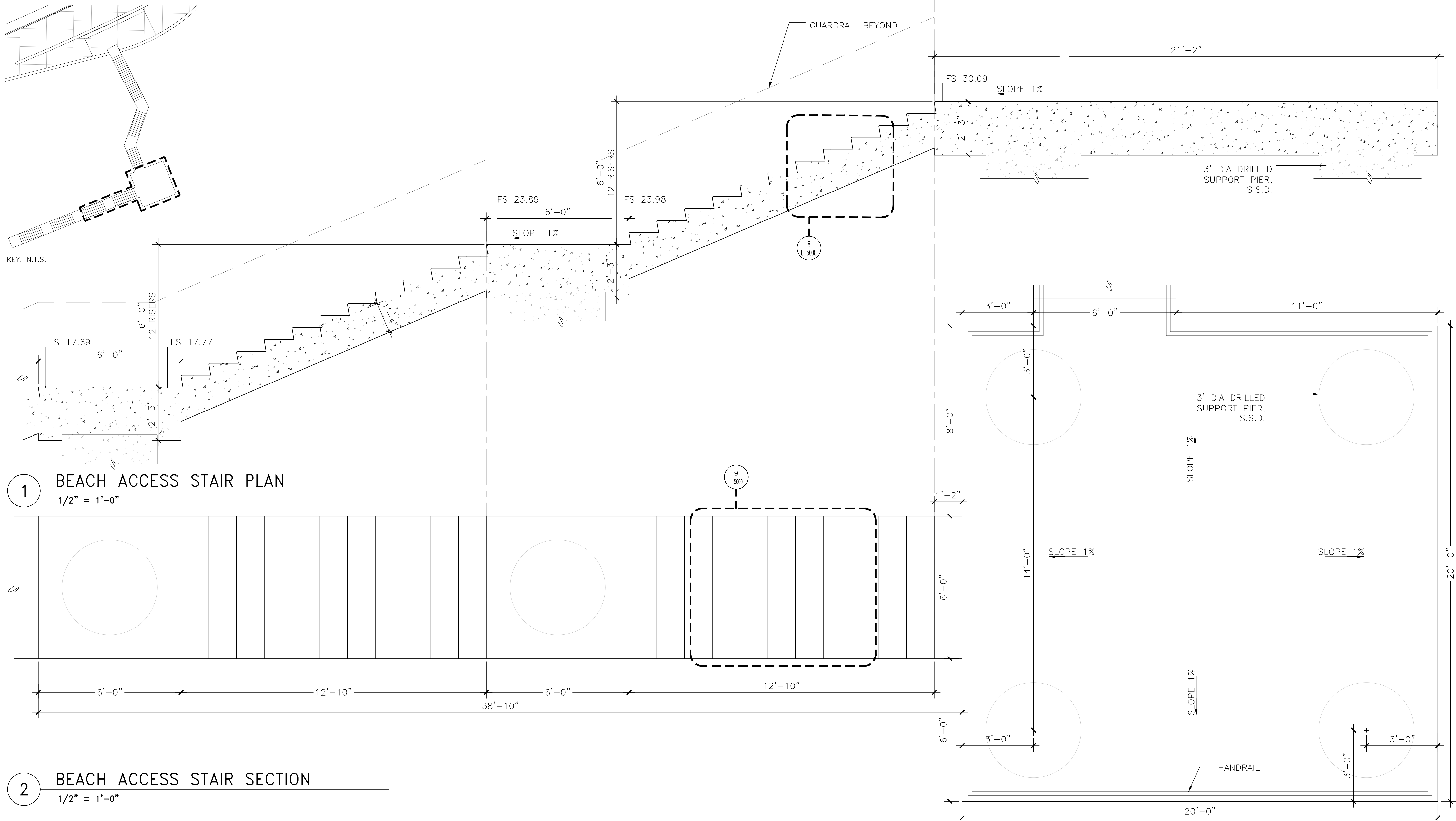
Drawing Title  
**ENLARGEMENT - STAIRS**

Drawing/File No  
Revision No. **0**

Plan No.  
**L-4008**

Project No.  
PROJECT NO.

Scale: AS SHOWN



**1** BEACH ACCESS STAIR PLAN  
1/2" = 1'-0"

**2** BEACH ACCESS STAIR SECTION  
1/2" = 1'-0"



EMB Mgr. \_\_\_\_\_  
 WWE Engineering Mgr. \_\_\_\_\_  
 WWE O&M Mgr. \_\_\_\_\_  
 Section Mgr. \_\_\_\_\_  
 Designed \_\_\_\_\_  
 Drawn \_\_\_\_\_  
 Checked/Approved \_\_\_\_\_



MUNDEN FRY LANDSCAPE ARCHITECTURE  
 105 W. NORTH STREET, HEALDSBURG, CA 95448  
 415-543-8202

Proj. Mgr. \_\_\_\_\_  
 Proj. Engr. \_\_\_\_\_  
 Approved \_\_\_\_\_  
 Designed \_\_\_\_\_  
 Drawn \_\_\_\_\_  
 Checked by \_\_\_\_\_

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No.	Date	Revisions

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Contract No  
**WW-662**

Elevation Datum  
 XXXX

Project  
**OCEAN BEACH CLIMATE CHANGE ADAPTATION PROJECT - LONG TERM IMPROVEMENTS**

Drawing Title  
**ENLARGEMENT - STAIRS**

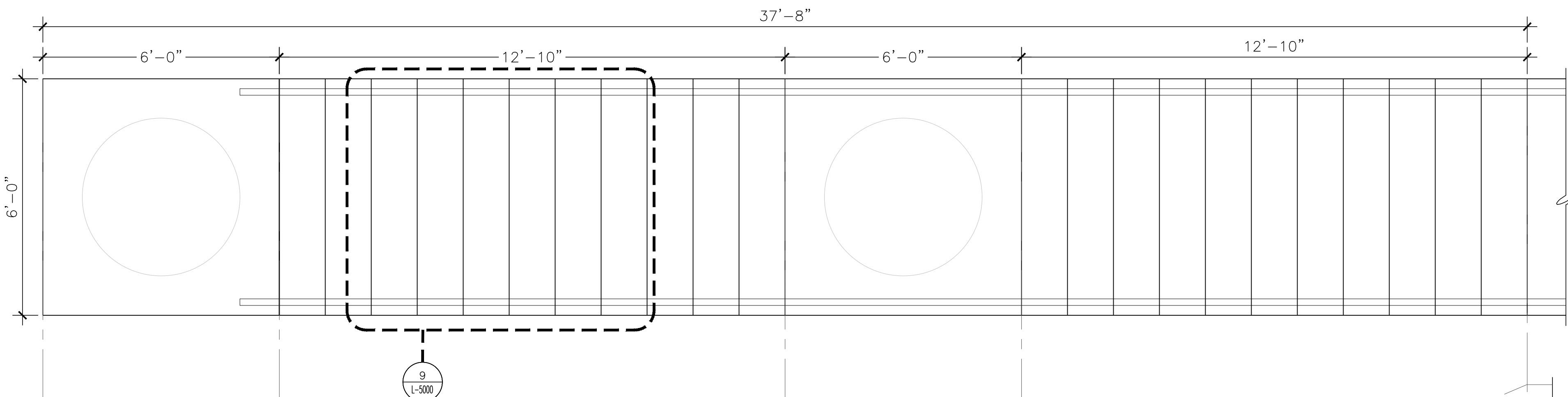
Drawing/File No

Revision No. 0

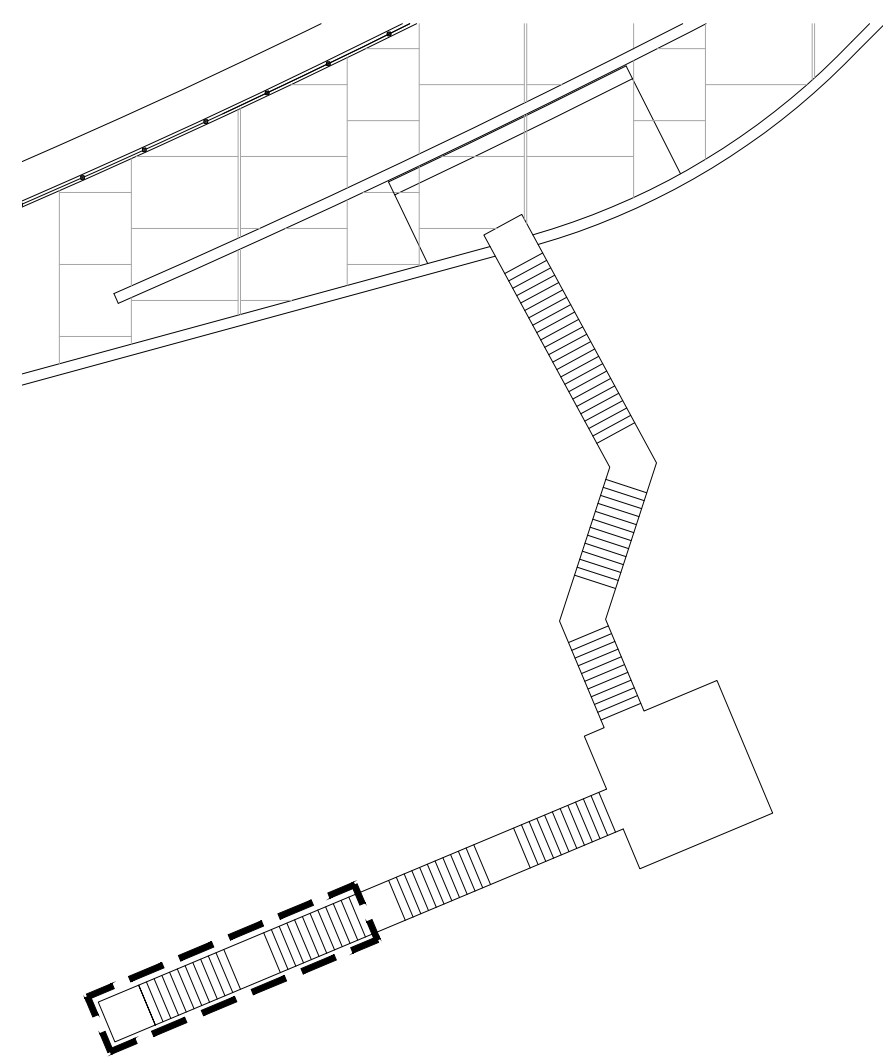
Plan No.  
**L-4009**

Project No.  
 PROJECT NO.

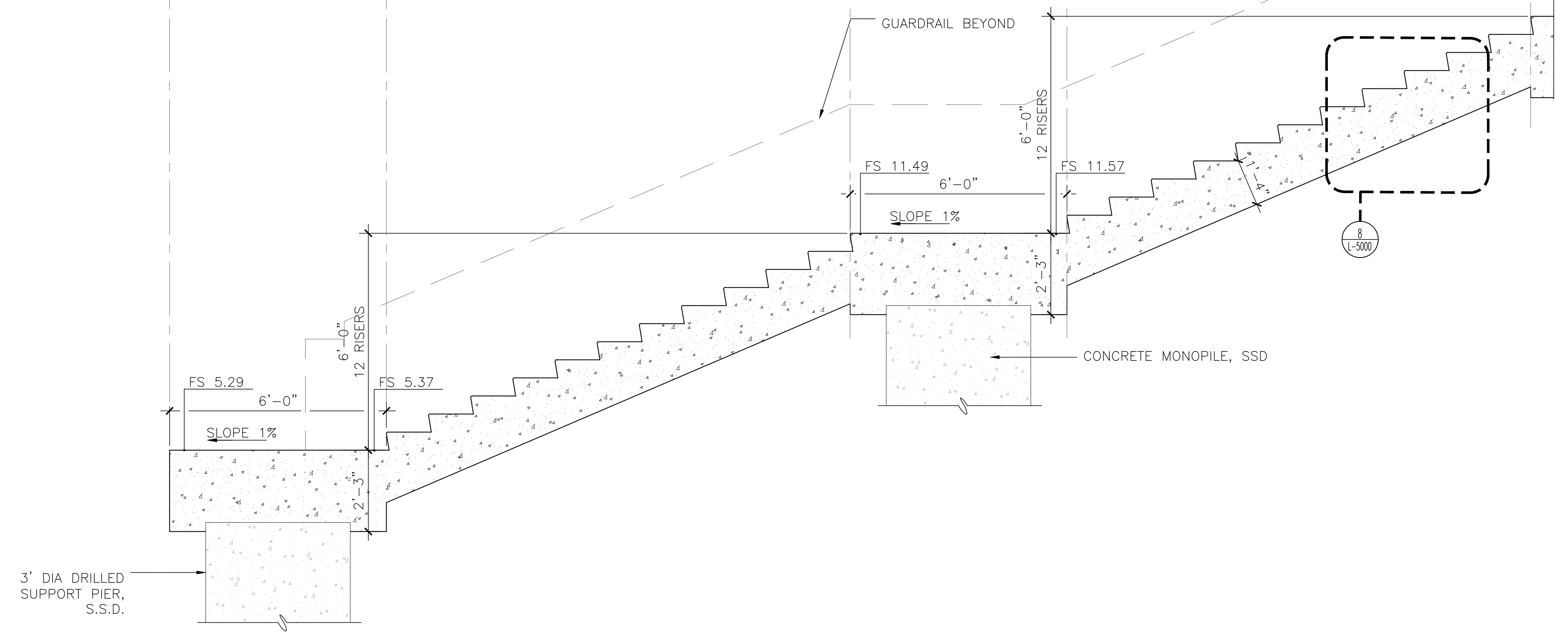
Scale: AS SHOWN



1 BEACH ACCESS STAIR PLAN  
1/2" = 1'-0"



KEY: N.T.S.



2 BEACH ACCESS STAIR SECTION  
1/2" = 1'-0"

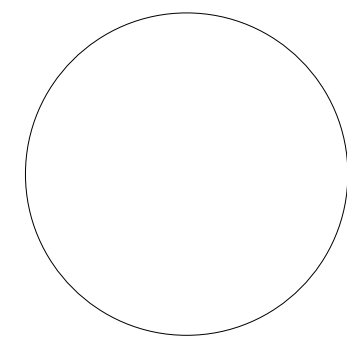


EMB Mgr. \_\_\_\_\_  
 WWE Engineering Mgr. \_\_\_\_\_  
 WWE O&M Mgr. \_\_\_\_\_  
 Section Mgr. \_\_\_\_\_  
 Designed \_\_\_\_\_  
 Drawn \_\_\_\_\_  
 Checked/Approved \_\_\_\_\_



MUNDEN FRY LANDSCAPE ARCHITECTURE  
 105 W. NORTH STREET, HEALDSBURG, CA 95448  
 415-543-8202

Proj. Mgr. \_\_\_\_\_  
 Proj. Engr. \_\_\_\_\_  
 Approved \_\_\_\_\_  
 Designed \_\_\_\_\_  
 Drawn \_\_\_\_\_  
 Checked by \_\_\_\_\_



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Contract No  
 WW-662

Elevation Datum  
 XXXX

Project  
 OCEAN BEACH CLIMATE CHANGE ADAPTATION PROJECT - LONG TERM IMPROVEMENTS

Drawing Title  
 ENLARGEMENT - STAIRS

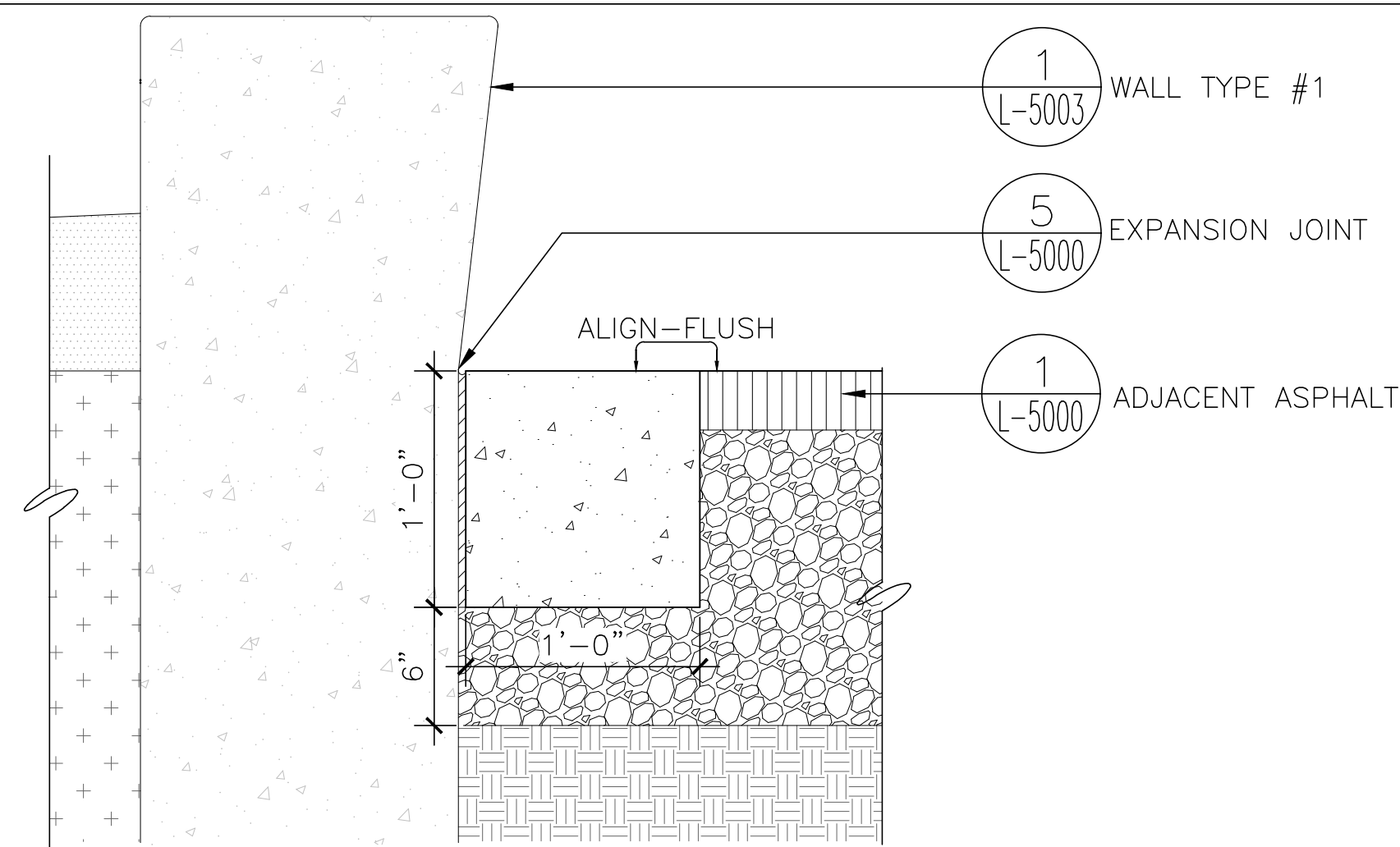
Drawing/File No

Revision No. 0

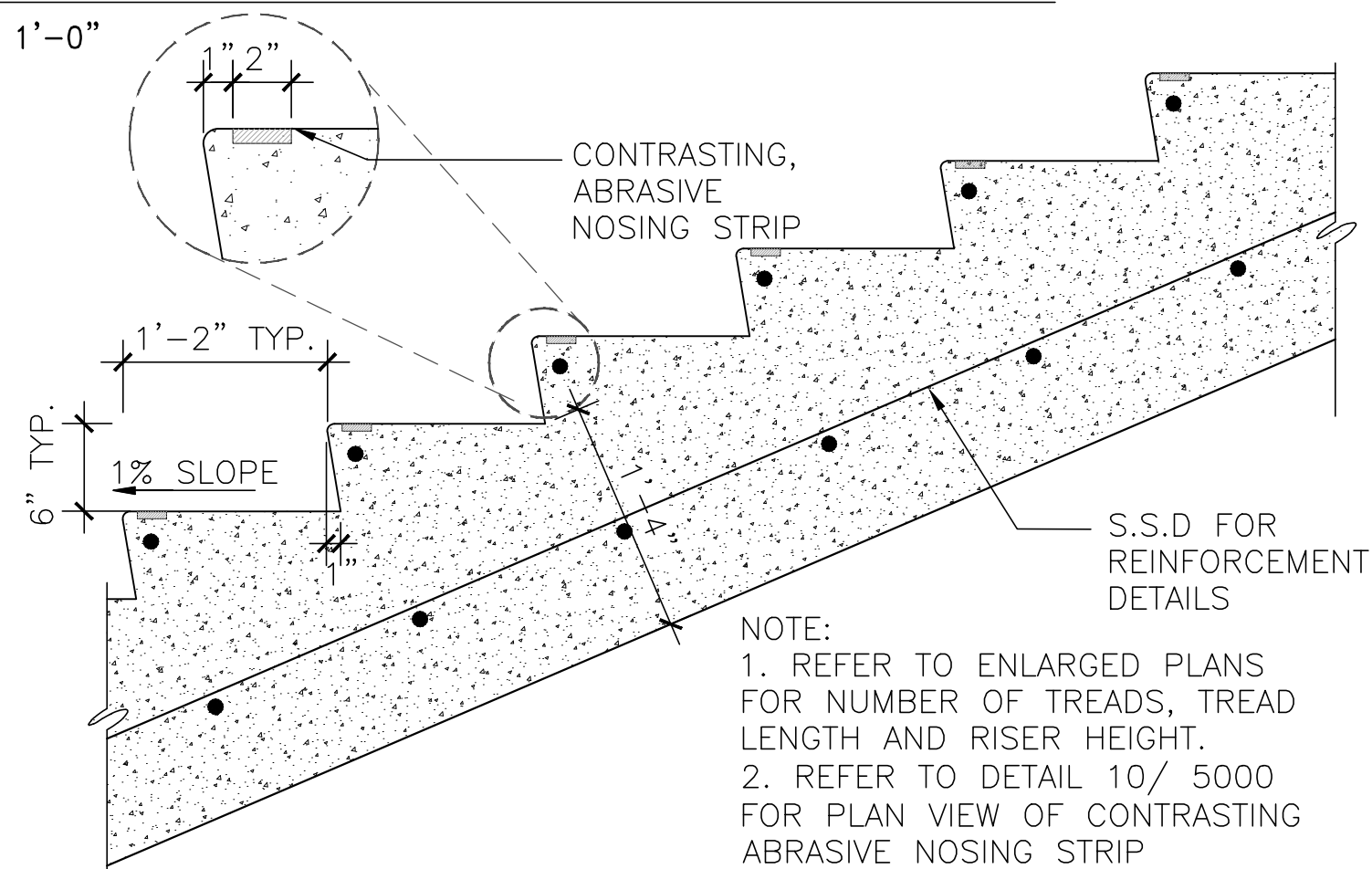
Plan No.  
 L-4010

Project No.  
 PROJECT NO.

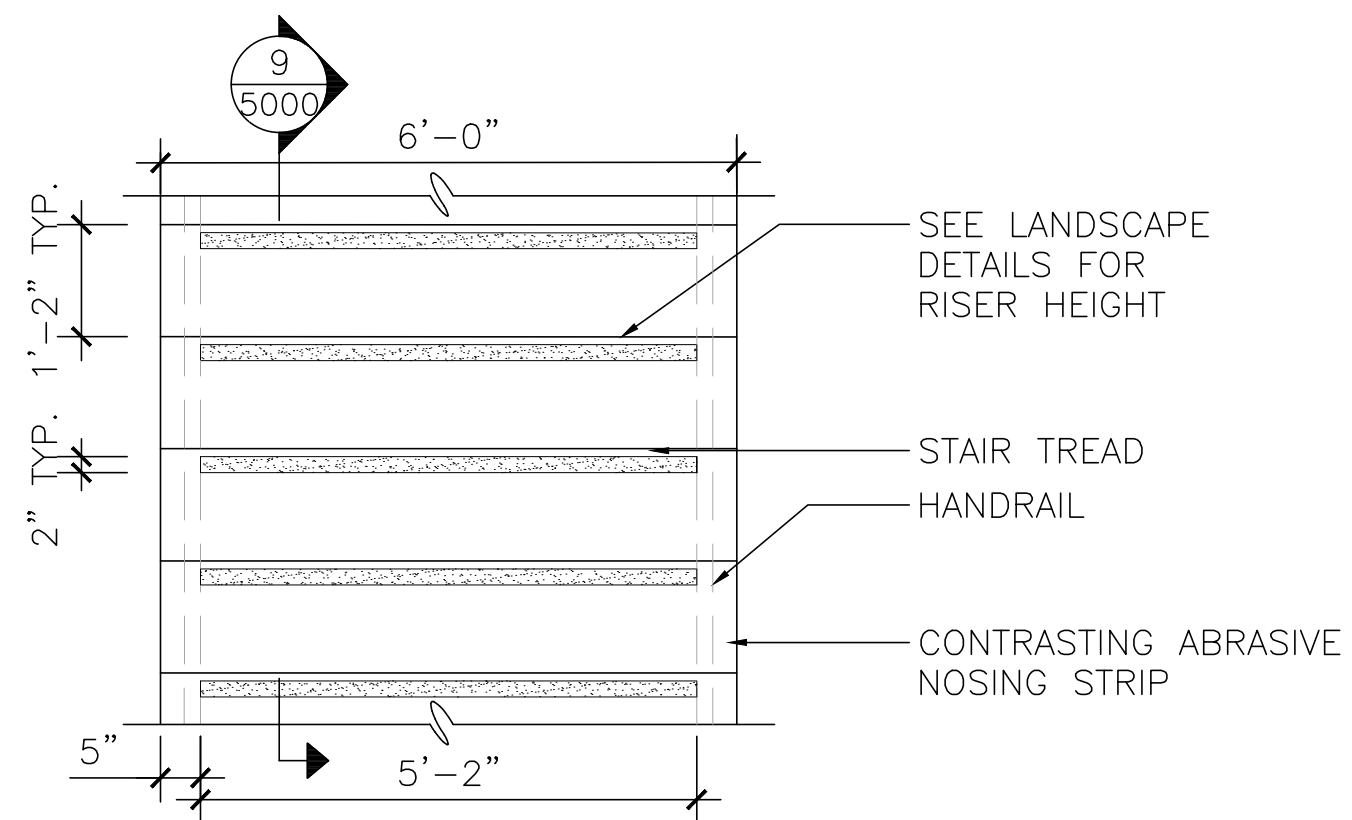
Scale: AS SHOWN



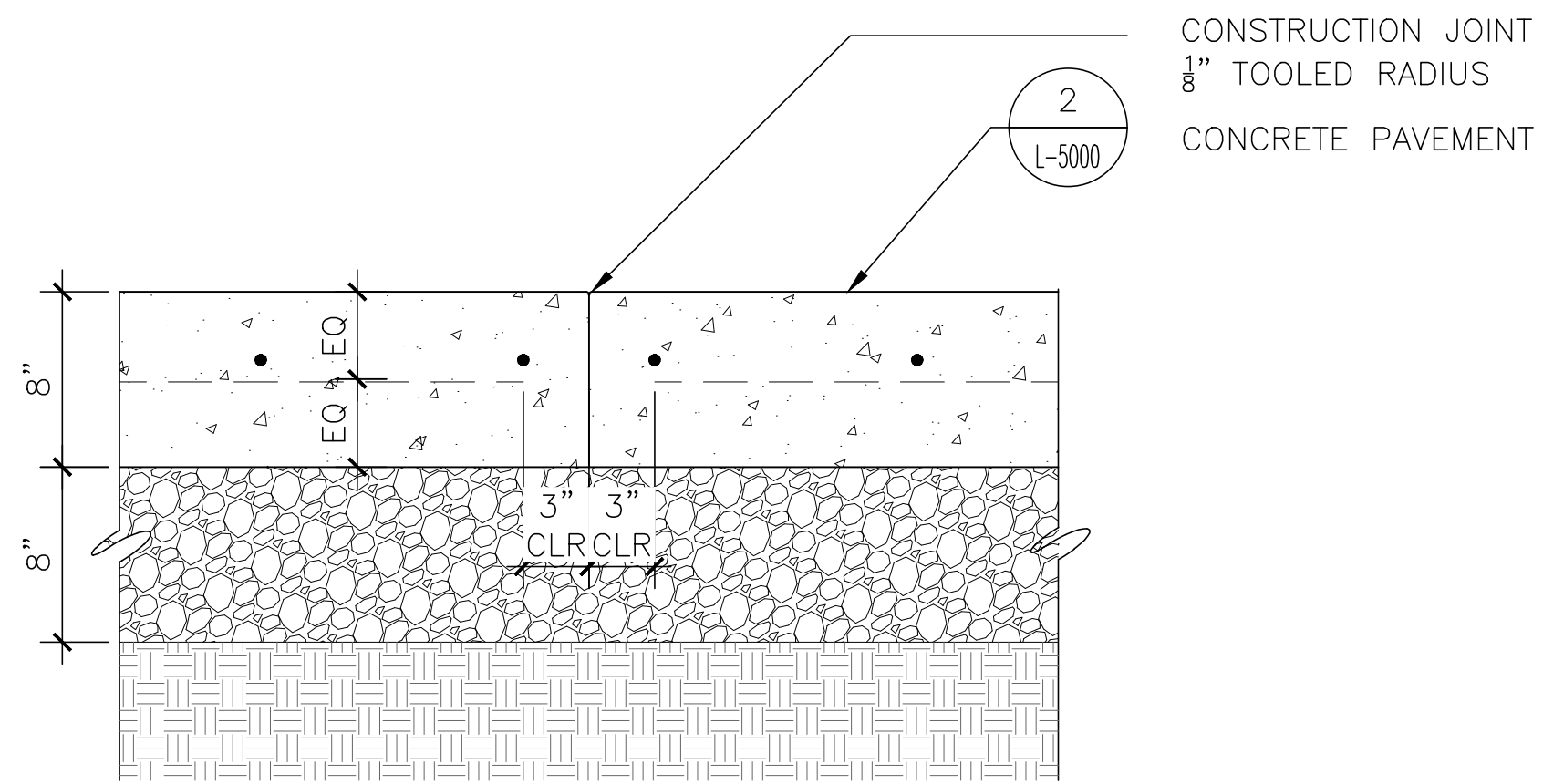
7 CONCRETE HEADER AT WALL  
1 1/2" = 1'-0"



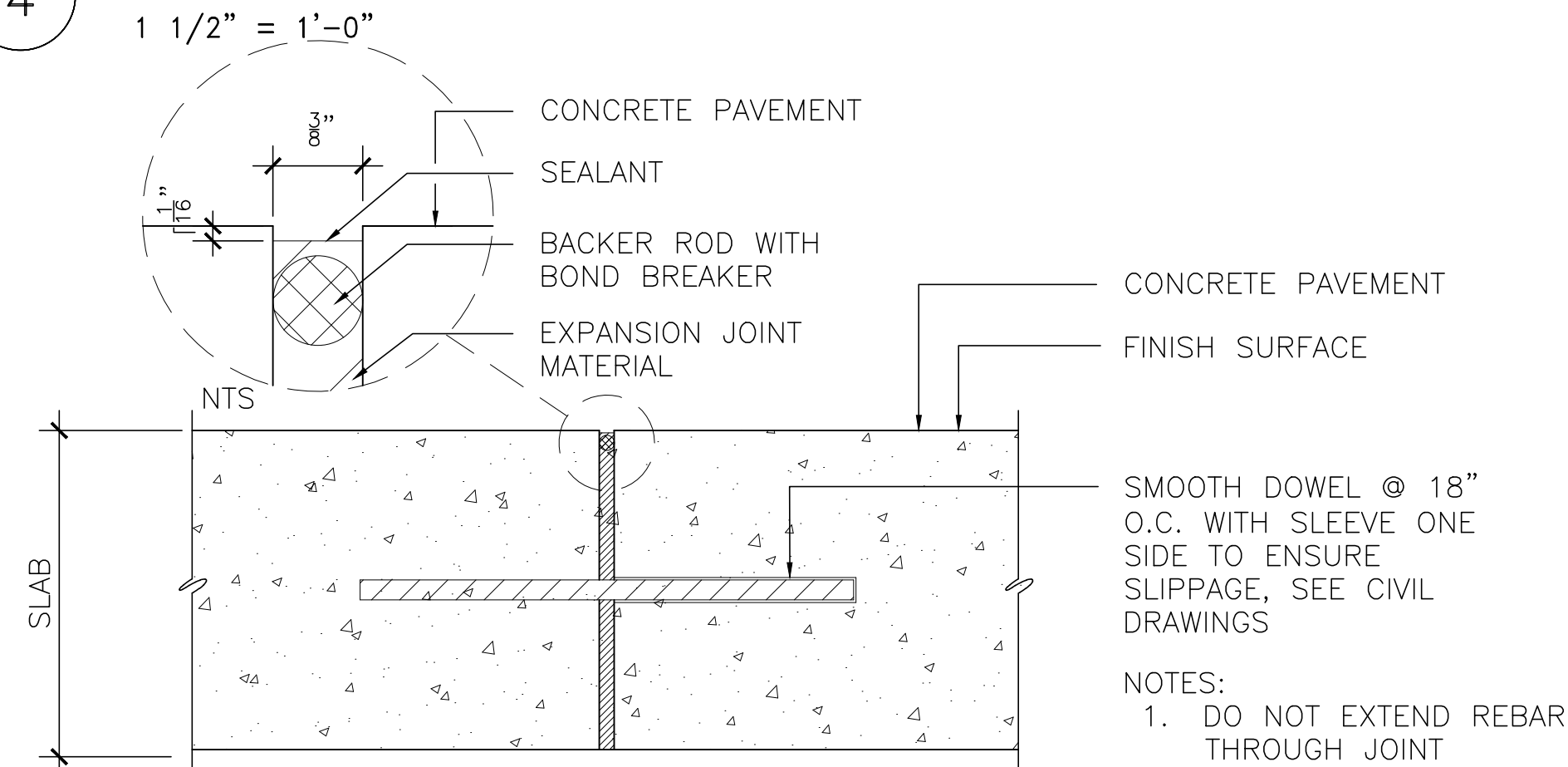
9 STAIR NOSING DETAIL - SECTION  
1" = 1'-0"



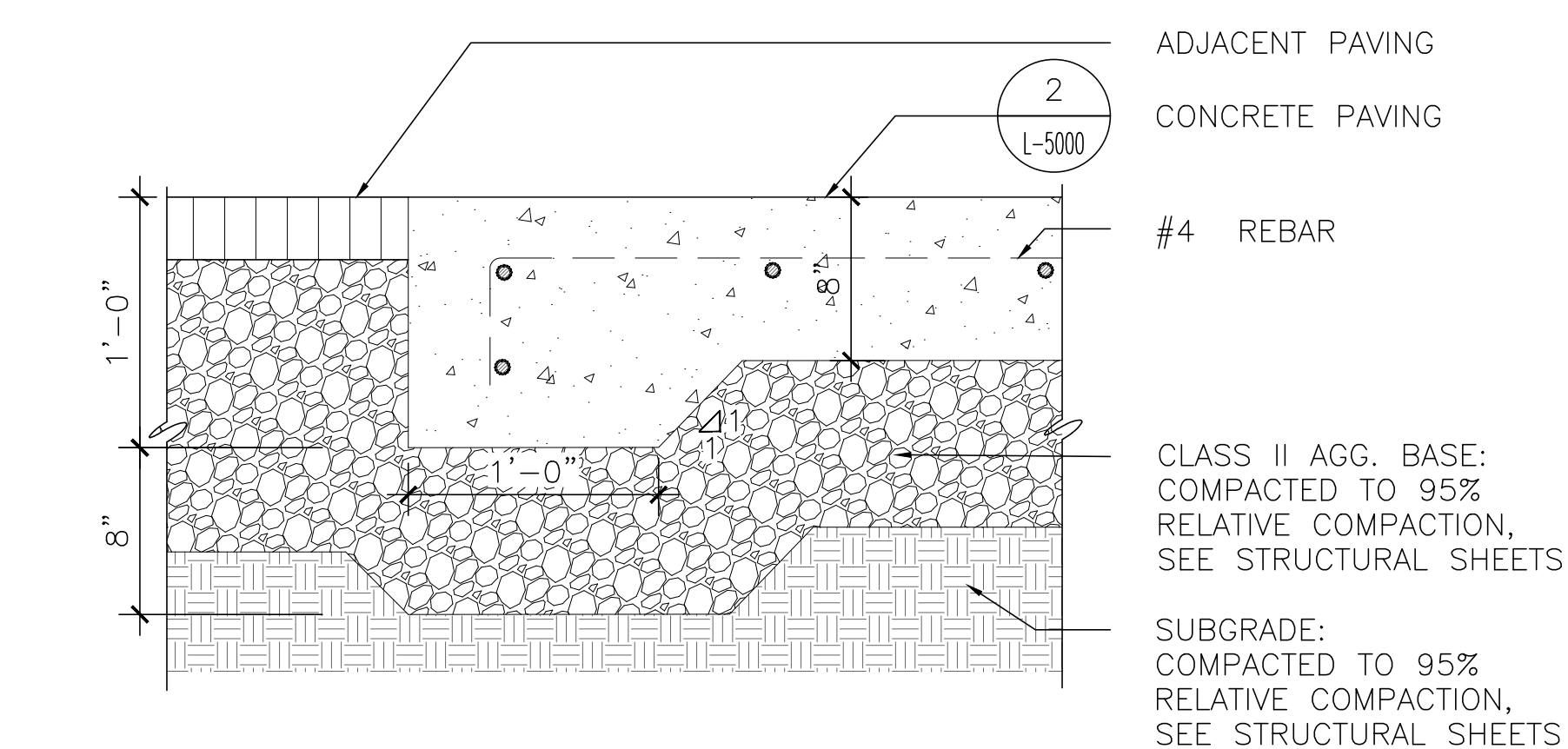
9 STAIR NOSING DETAIL - PLAN  
1/2" = 1'-0"



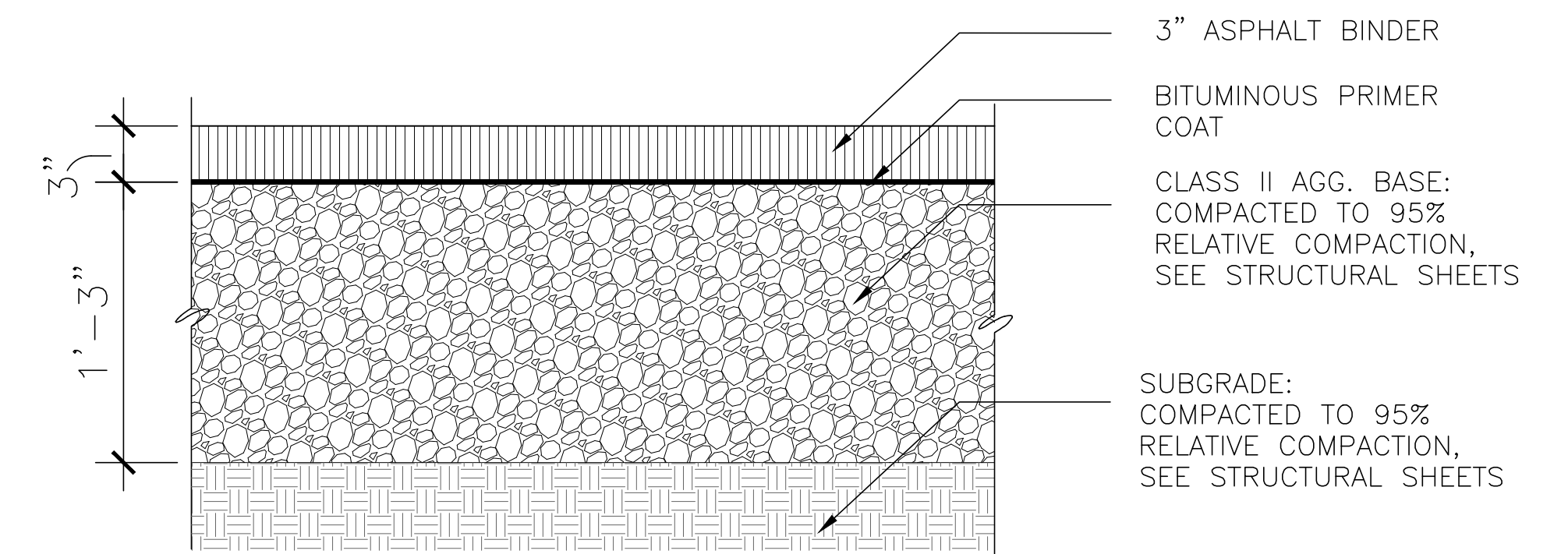
4 CONSTRUCTION JOINT  
1 1/2" = 1'-0"



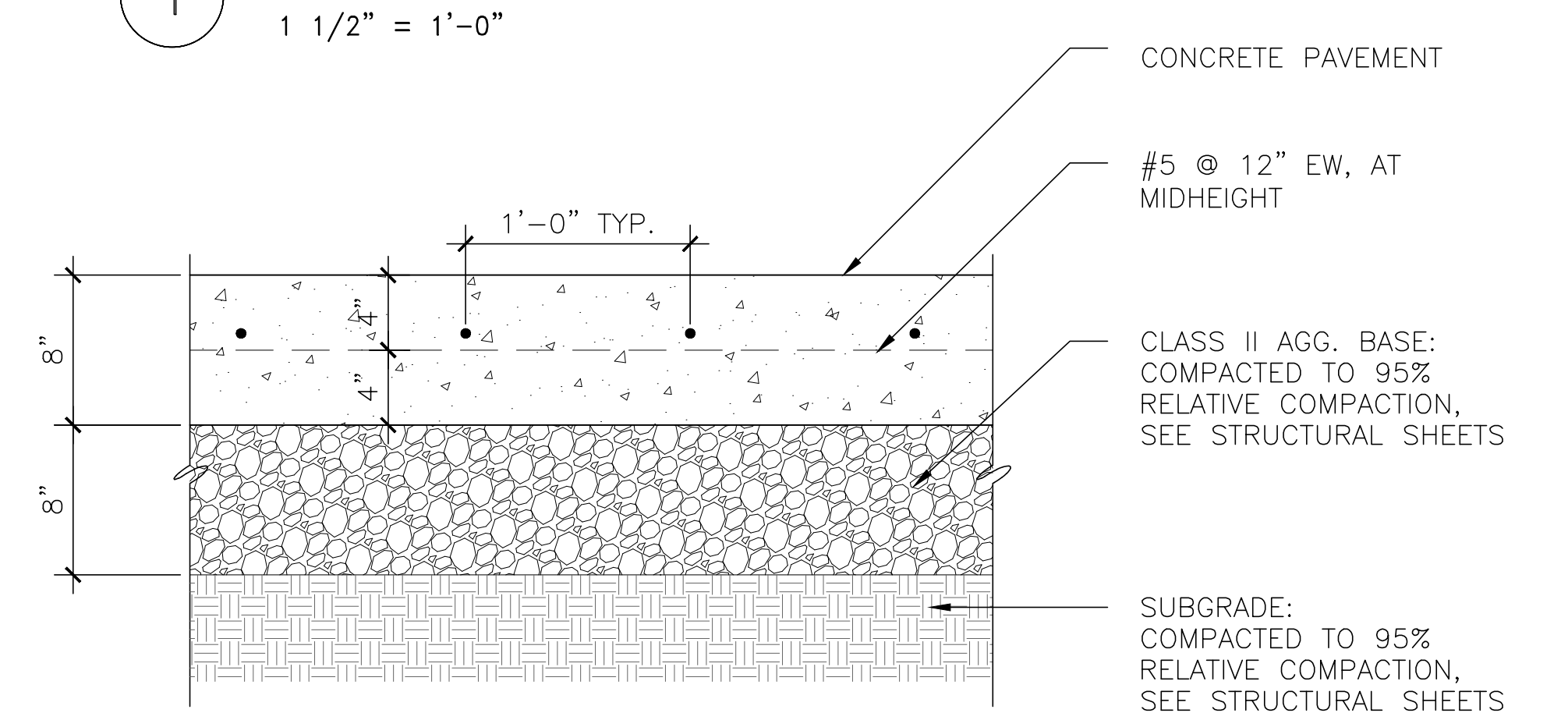
5 EXPANSION JOINT  
3" = 1'-0"



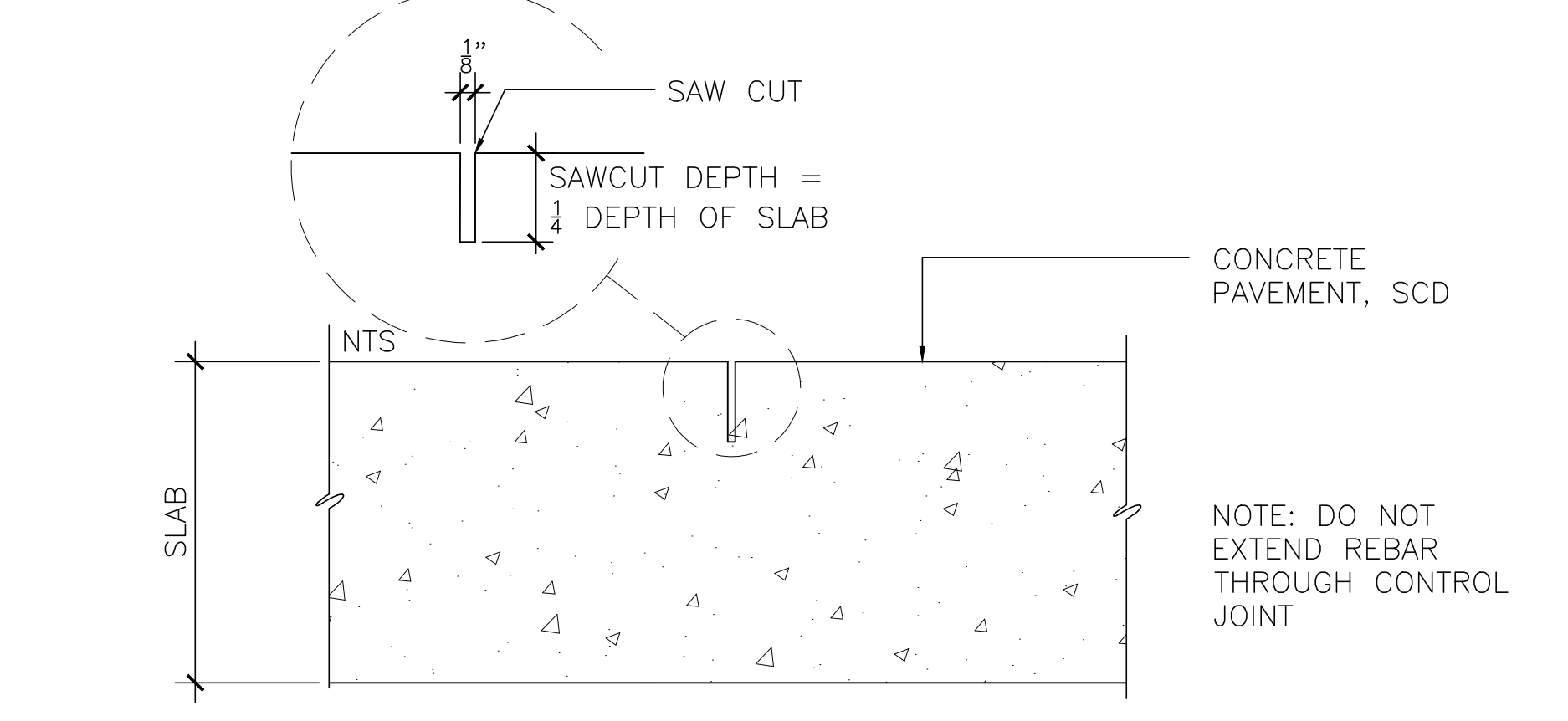
6 CONCRETE THICKENED EDGE  
1 1/2" = 1'-0"



1 FLEXIBLE PAVING  
1 1/2" = 1'-0"



2 CONCRETE PAVING  
1 1/2" = 1'-0"



3 CONTROL JOINT  
3" = 1'-0"



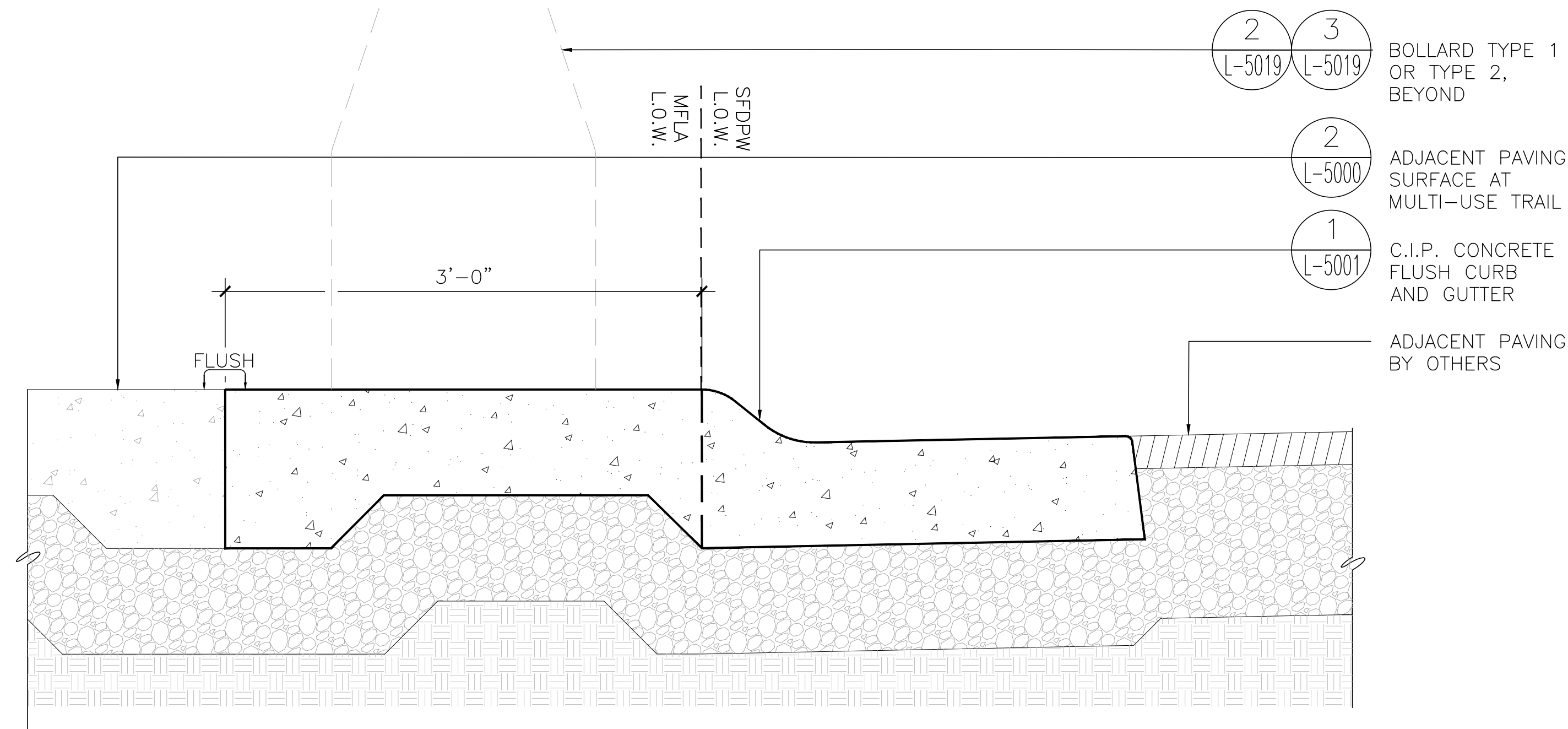
EMB Mgr. \_\_\_\_\_  
 WVE Engineering Mgr. \_\_\_\_\_  
 WVE O&M Mgr. \_\_\_\_\_  
 Section Mgr. \_\_\_\_\_  
 Designed \_\_\_\_\_  
 Drawn \_\_\_\_\_  
 Checked/Approved \_\_\_\_\_



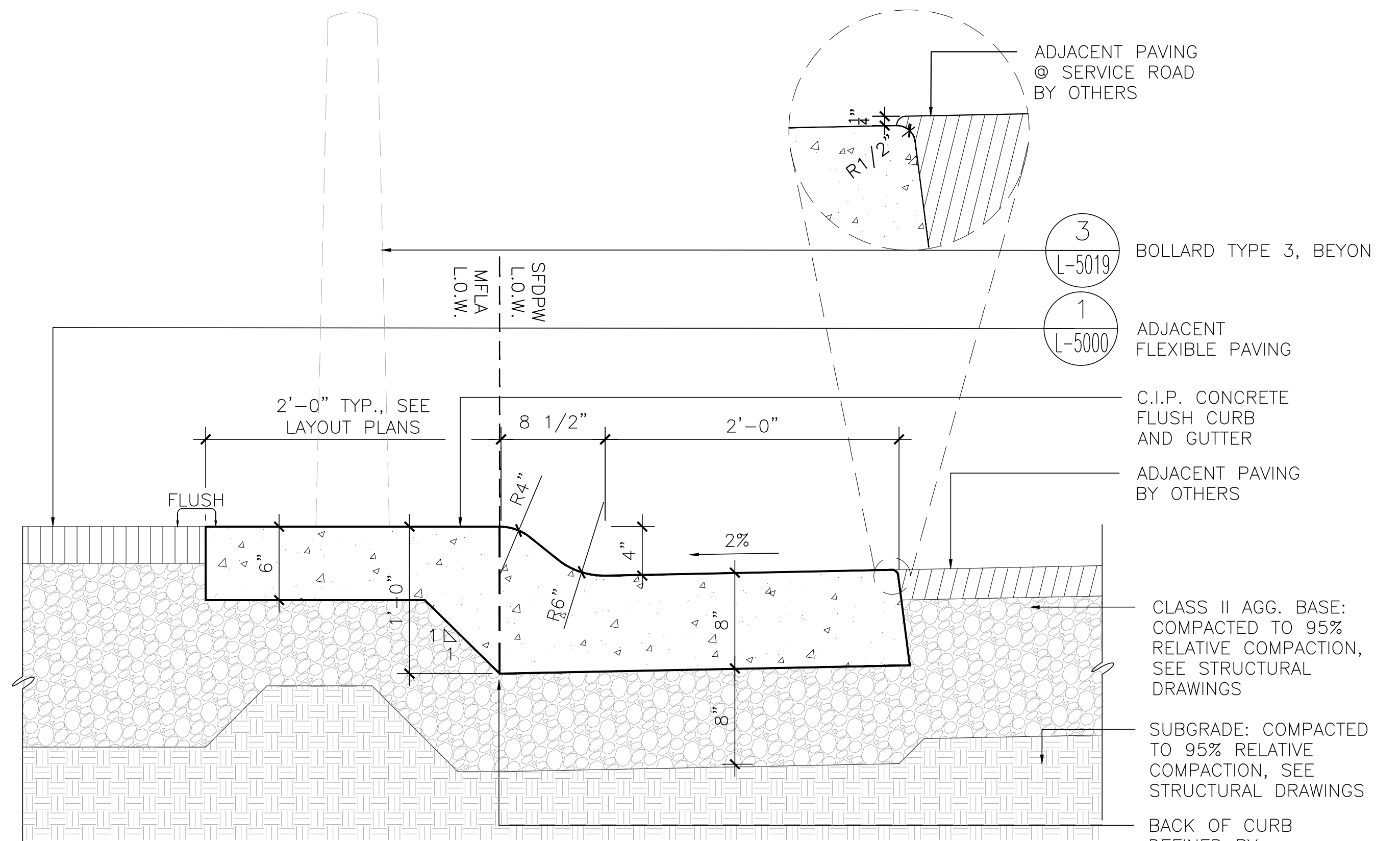
Proj. Mgr. \_\_\_\_\_  
 Proj. Engr. \_\_\_\_\_  
 Approved \_\_\_\_\_  
 Designed \_\_\_\_\_  
 Drawn \_\_\_\_\_  
 Checked by \_\_\_\_\_

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No.	Date	Revisions

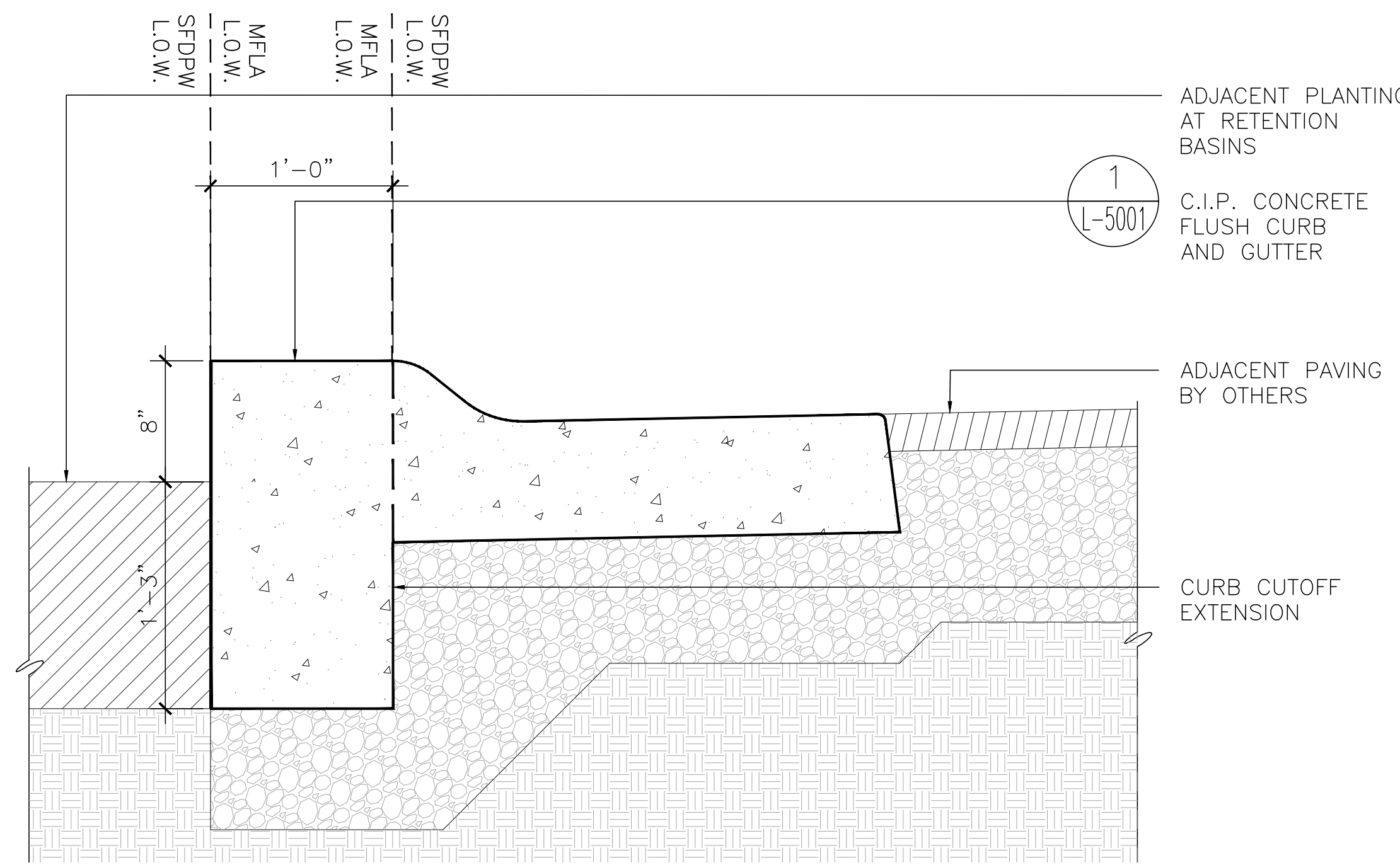
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Contract No. WW-662	Drawing Title DETAILS - PAVING	Project No. PROJECT NO.	
Elevation Datum XXXX	Drawing/File No	Revision No. 0	Scale: AS SHOWN



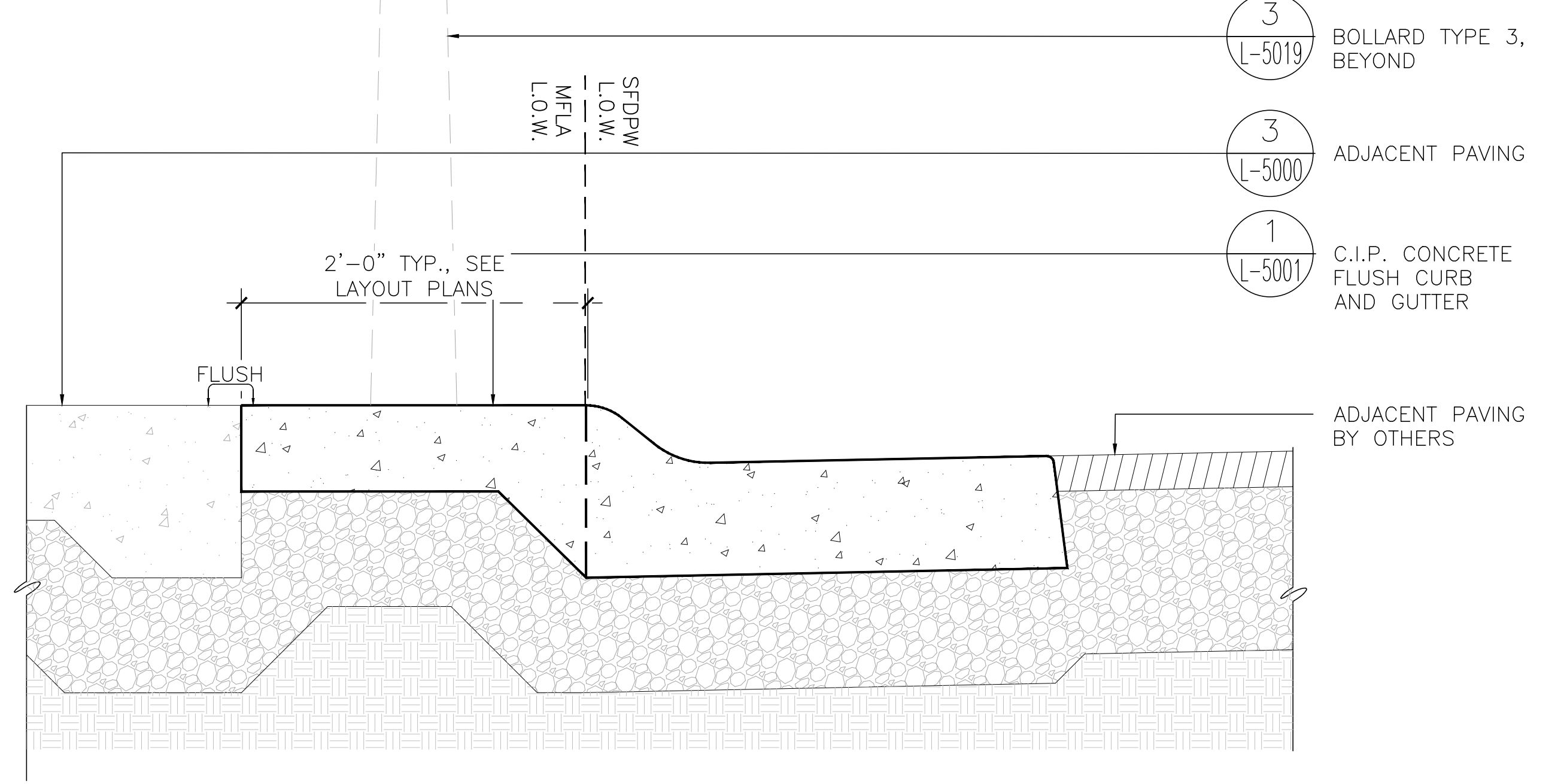
**3** CURB TYPE 1 AT SLOAT PLAZA  
1 1/2" = 1'-0"



**1** CURB TYPE 1  
1 1/2" = 1'-0"



**4** CURB TYPE 1 AT BASIN PLANTING  
1 1/2" = 1'-0"



**2** CURB TYPE 1 AT CONCRETE PAVING  
1 1/2" = 1'-0"



EMB Mgr. \_\_\_\_\_  
 WVE Engineering Mgr. \_\_\_\_\_  
 WVE O&M Mgr. \_\_\_\_\_  
 Section Mgr. \_\_\_\_\_  
 Designed \_\_\_\_\_  
 Drawn \_\_\_\_\_  
 Checked/Approved \_\_\_\_\_

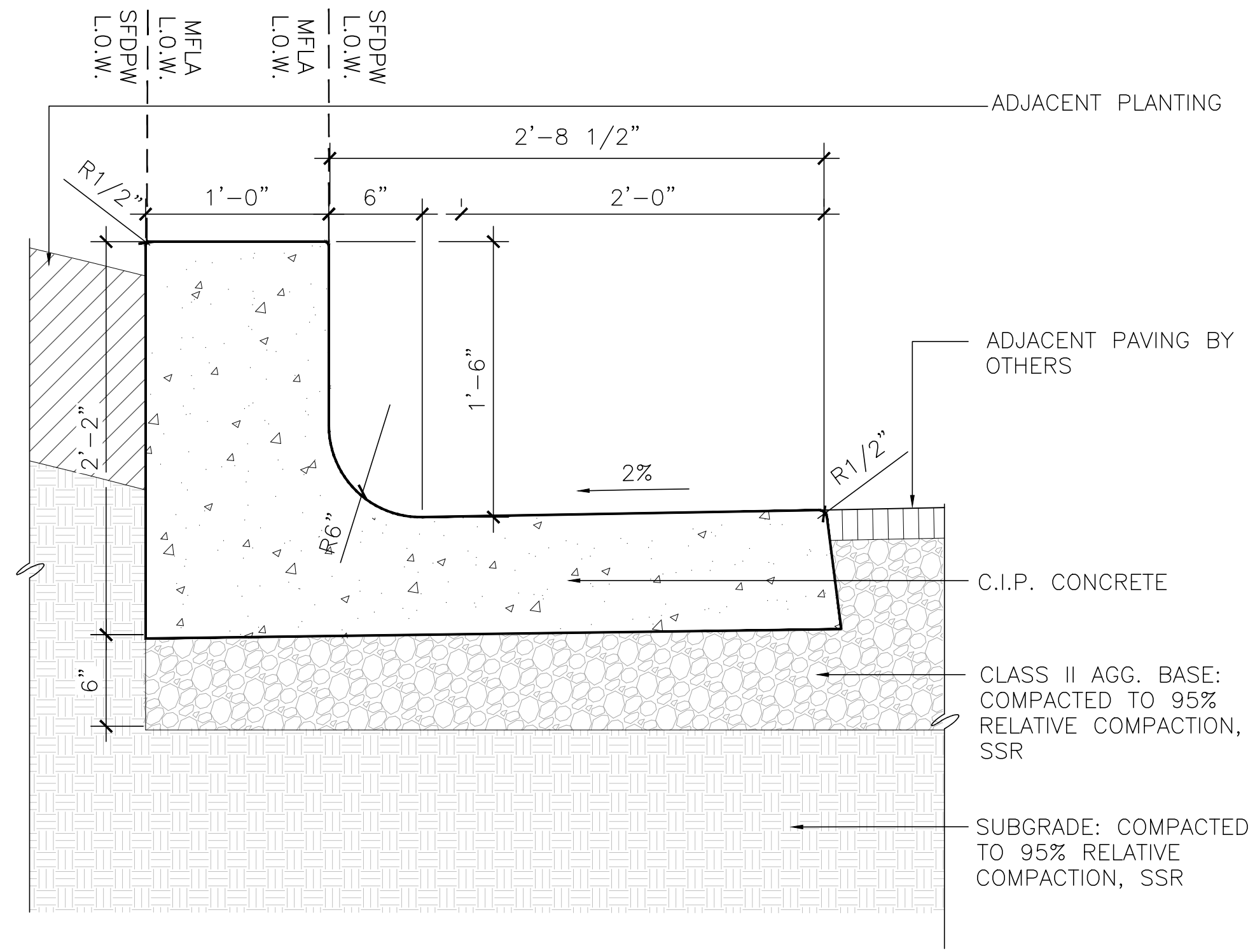


Proj. Mgr. \_\_\_\_\_  
 Proj. Engr. \_\_\_\_\_  
 Approved \_\_\_\_\_  
 Designed \_\_\_\_\_  
 Drawn \_\_\_\_\_  
 Checked by \_\_\_\_\_

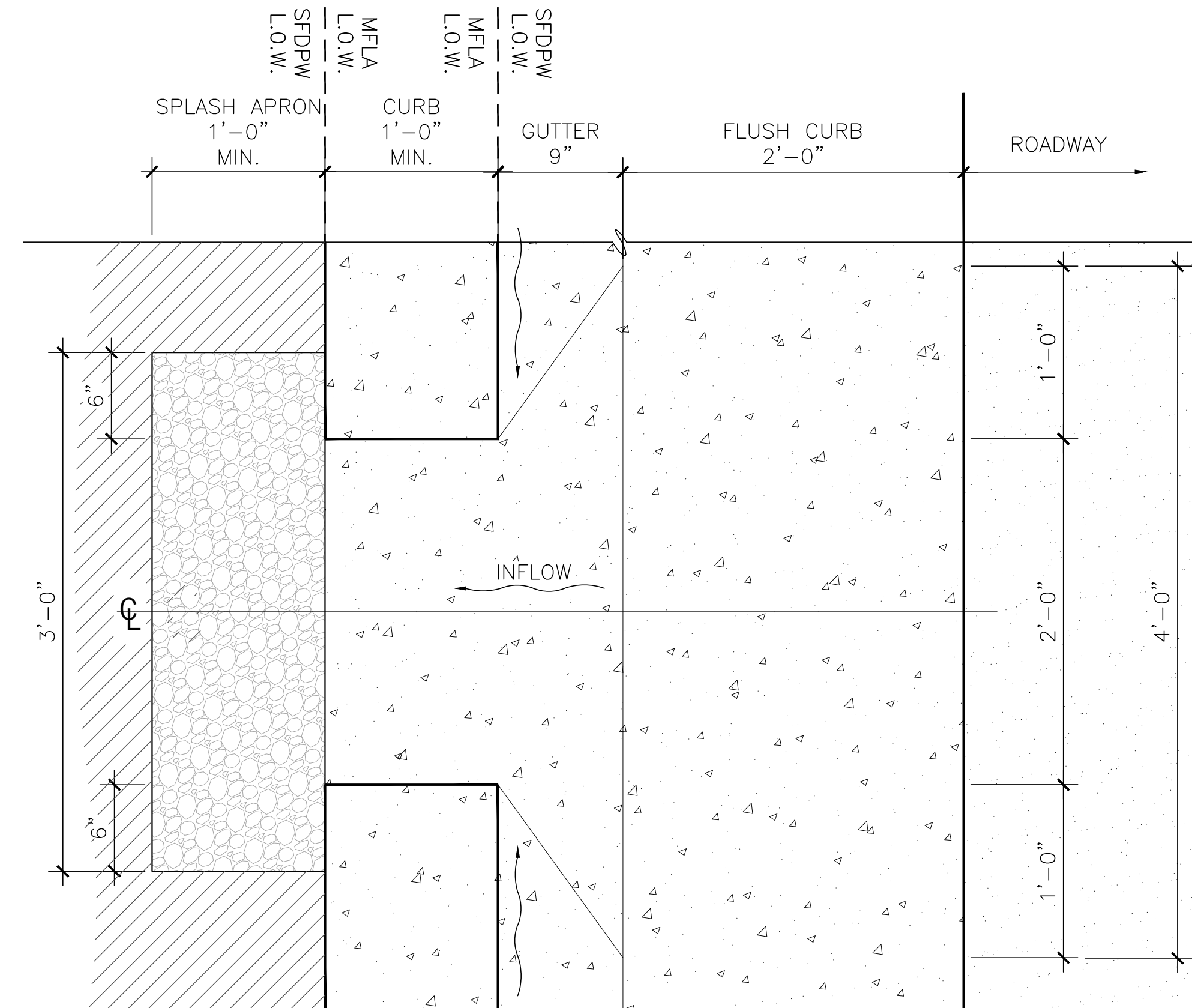
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No.	Date	Revisions

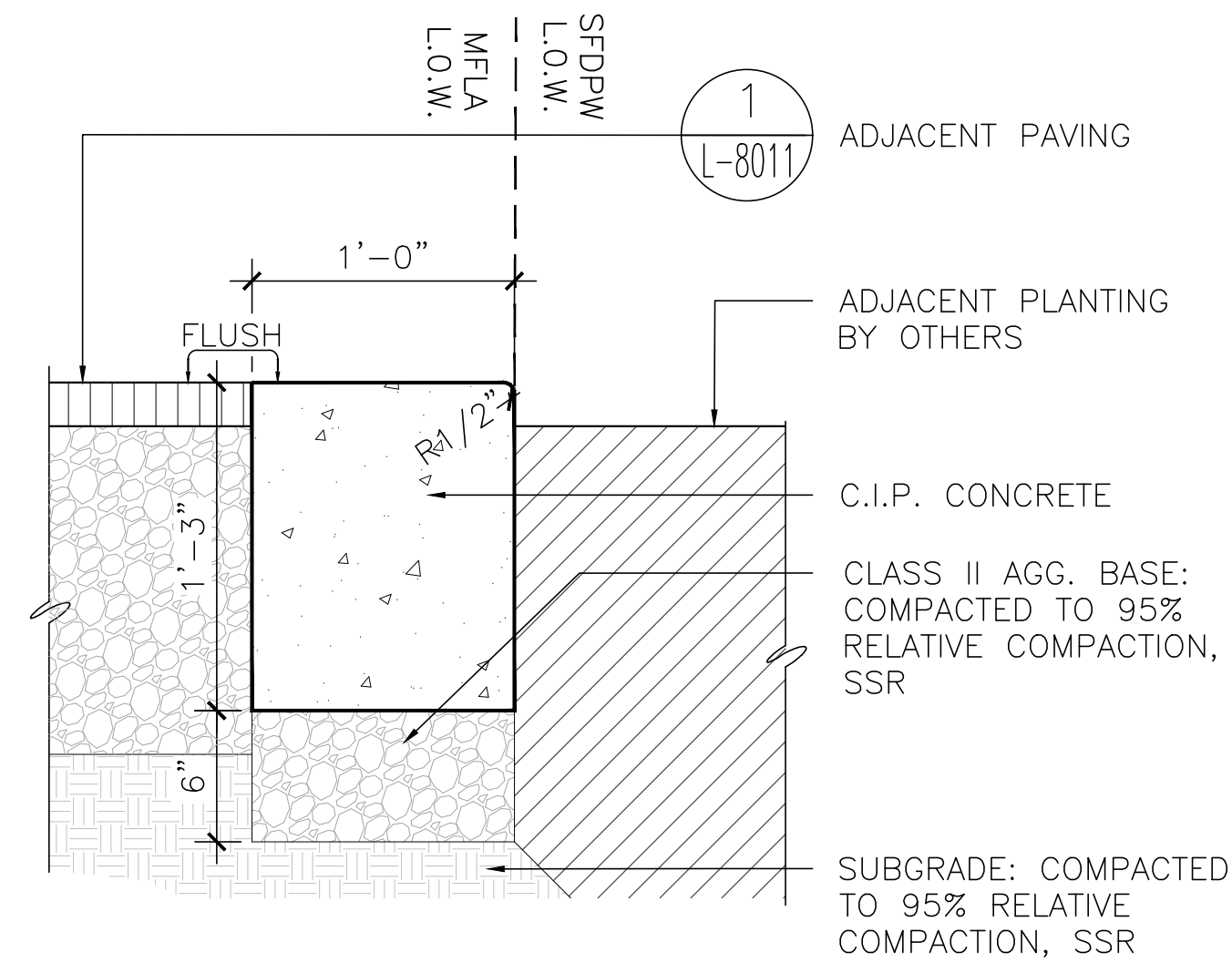
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Contract No. WW-662	Drawing Title DETAILS - CURBS		Project No. PROJECT NO.
Elevation Datum XXXX	Drawing/File No	Revision No. 0	Scale: AS SHOWN



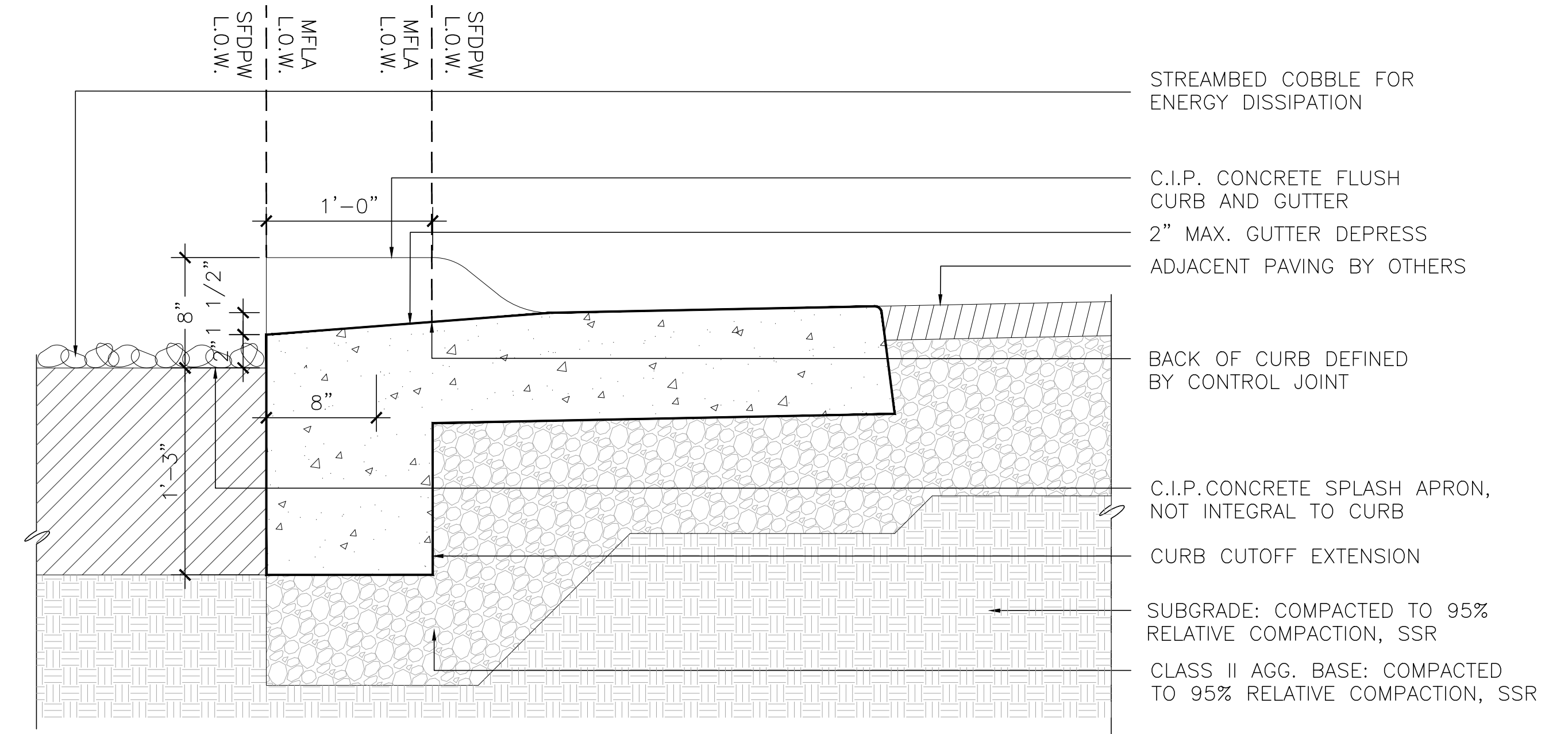
**3** CURB TYPE 2  
1 1/2" = 1'-0"



**1** CURB TYPE 1 AT INLET AT BASIN PLAN  
1 1/2" = 1'-0"



**4** CURB TYPE 3 AT BASIN  
1 1/2" = 1'-0"



**2** CURB TYPE 1 AT INLET AT BASIN SECTION  
1 1/2" = 1'-0"



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INFRASTRUCTURE DIVISION  
ENGINEERING MANAGEMENT BUREAU

EMB Mgr. \_\_\_\_\_  
WWE Engineering Mgr. \_\_\_\_\_  
WWE O&M Mgr. \_\_\_\_\_  
Section Mgr. \_\_\_\_\_  
Designed \_\_\_\_\_  
Drawn \_\_\_\_\_  
Checked/Approved \_\_\_\_\_



MUNDEN FRY LANDSCAPE ARCHITECTURE  
105 W. NORTH STREET, HEALDSBURG, CA 95448  
415-543-8202

Proj. Mgr. \_\_\_\_\_  
Proj. Engr. \_\_\_\_\_  
Approved \_\_\_\_\_  
Designed \_\_\_\_\_  
Drawn \_\_\_\_\_  
Checked by \_\_\_\_\_

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No.	Date	Revisions

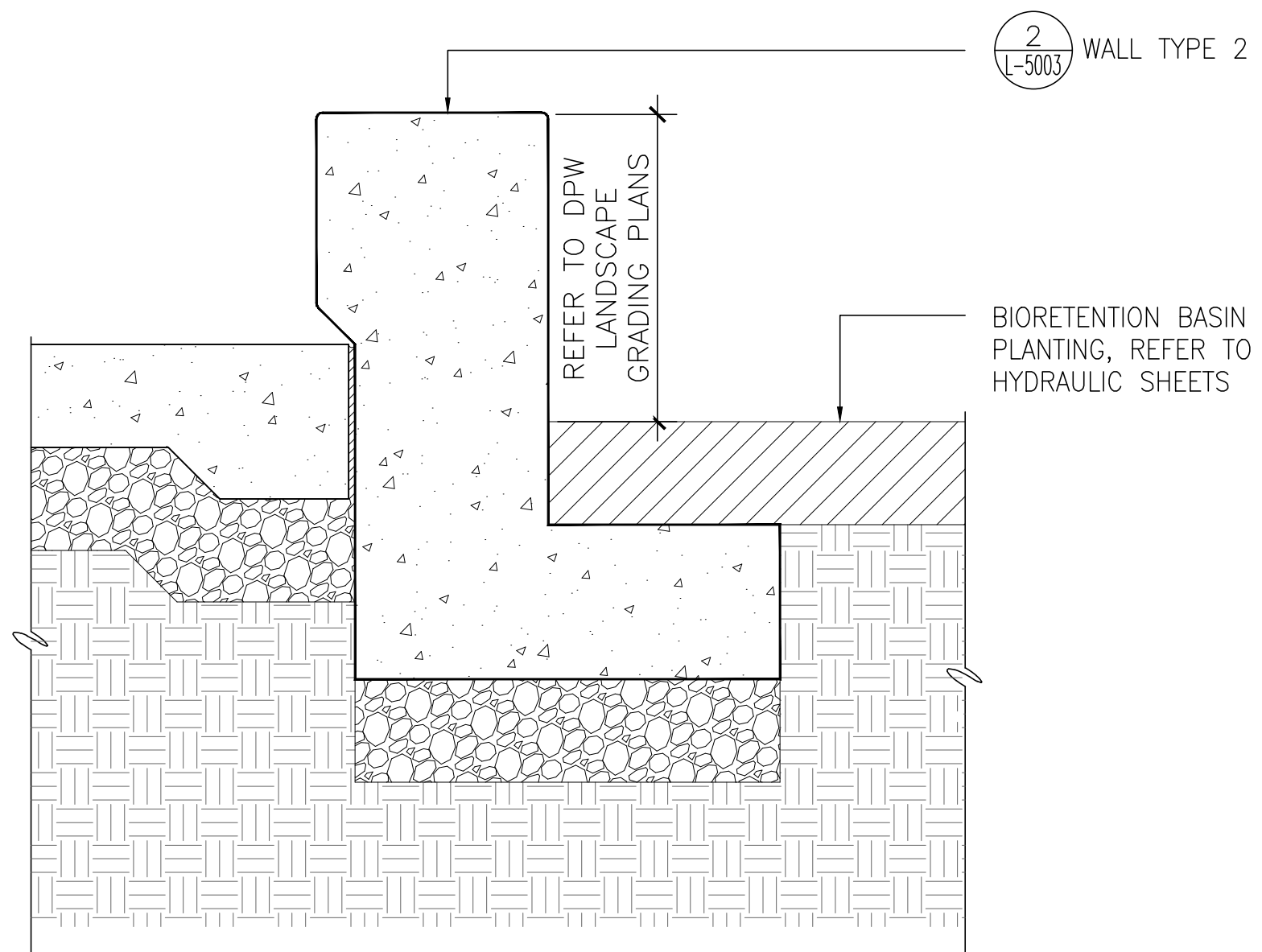
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Contract No  
WW-662

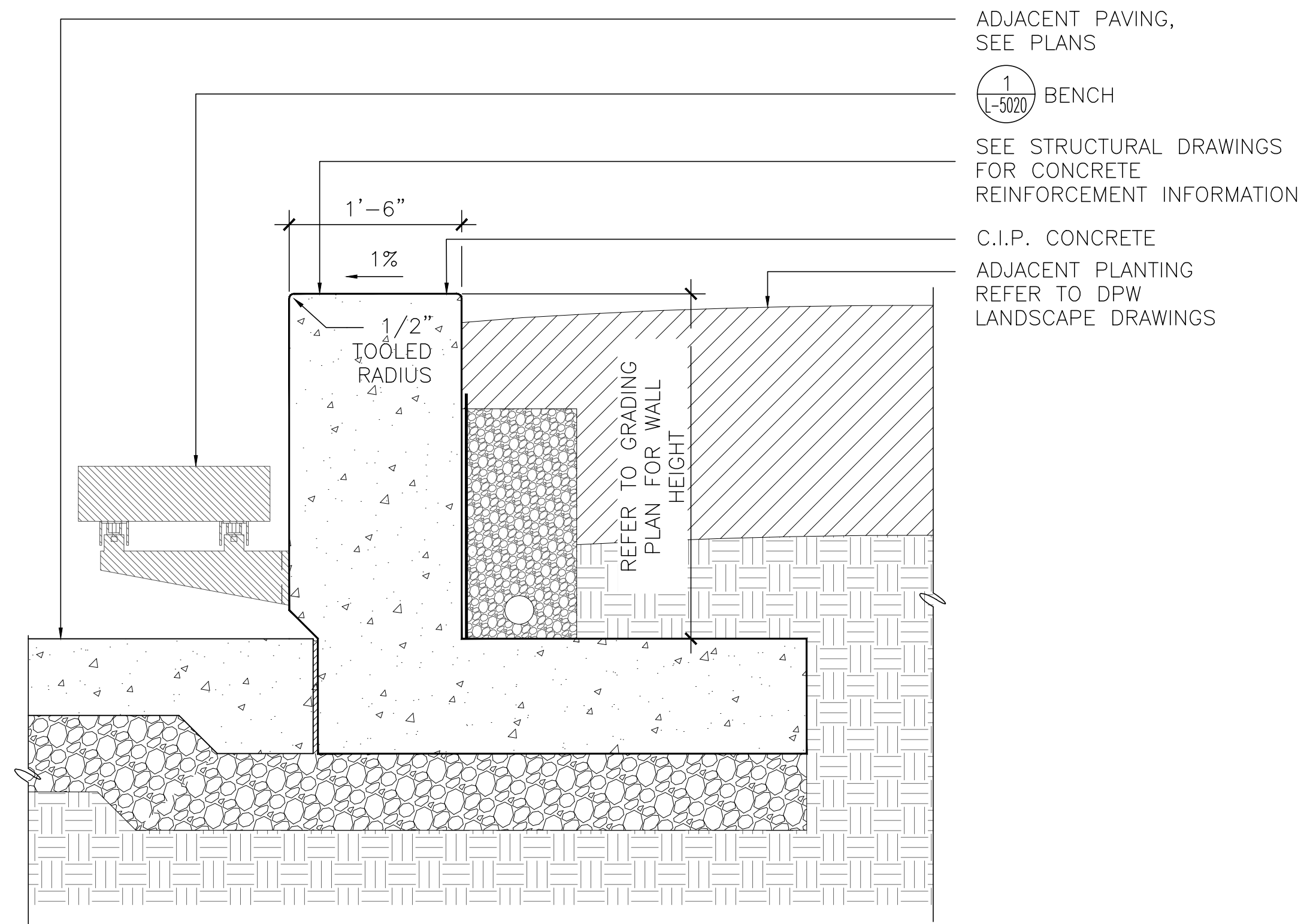
Elevation Datum  
XXXX

Project OCEAN BEACH CLIMATE CHANGE ADAPTATION PROJECT - LONG TERM IMPROVEMENTS	Plan No. L-5002
Contract No WW-662	Project No. PROJECT NO.
Drawing Title DETAILS - CURBS	Scale: AS SHOWN
Drawing/File No	Revision No. 0

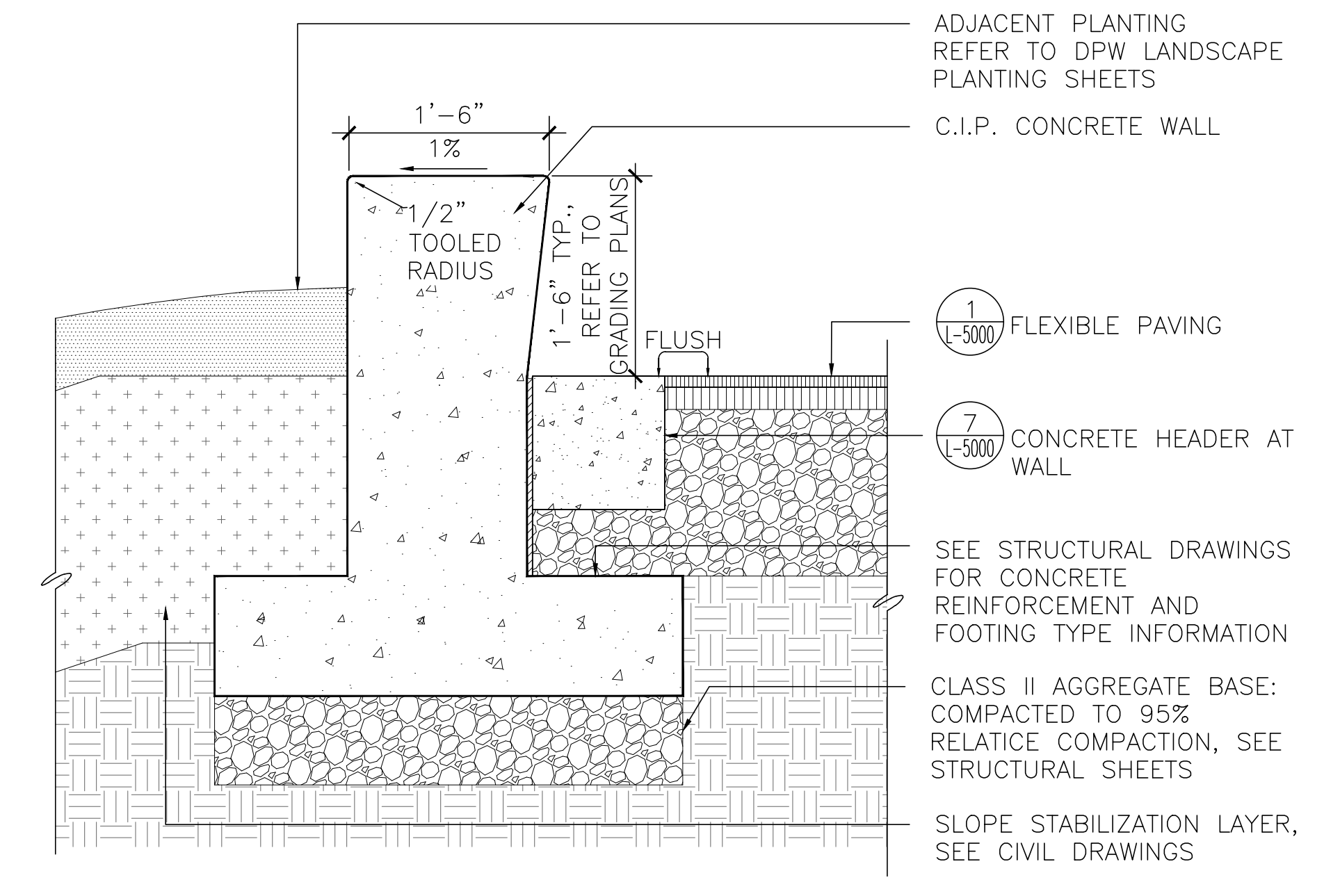




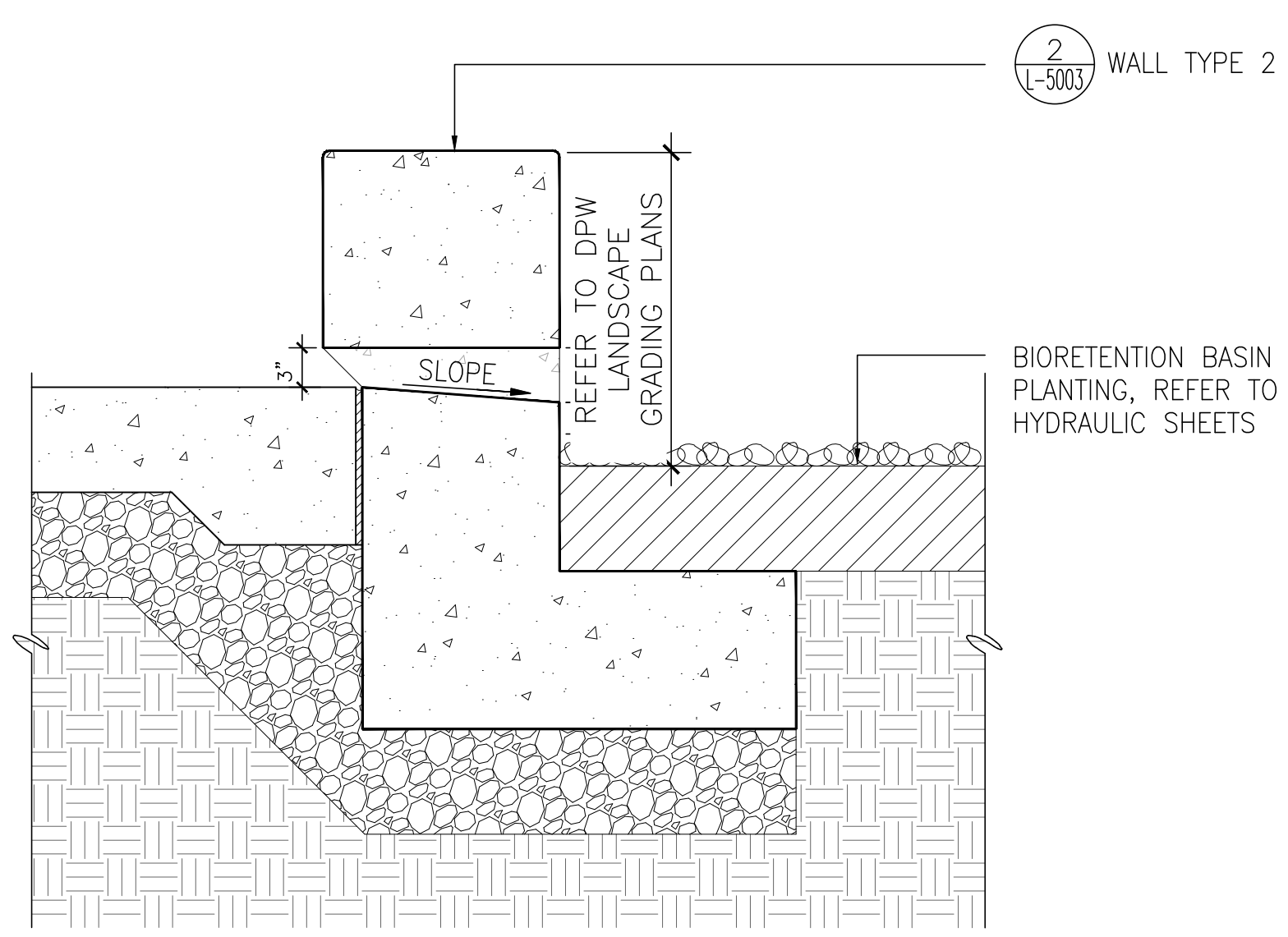
5 WALL TYPE 2 @ BIORETENTION BASIN  
1" = 1'-0"



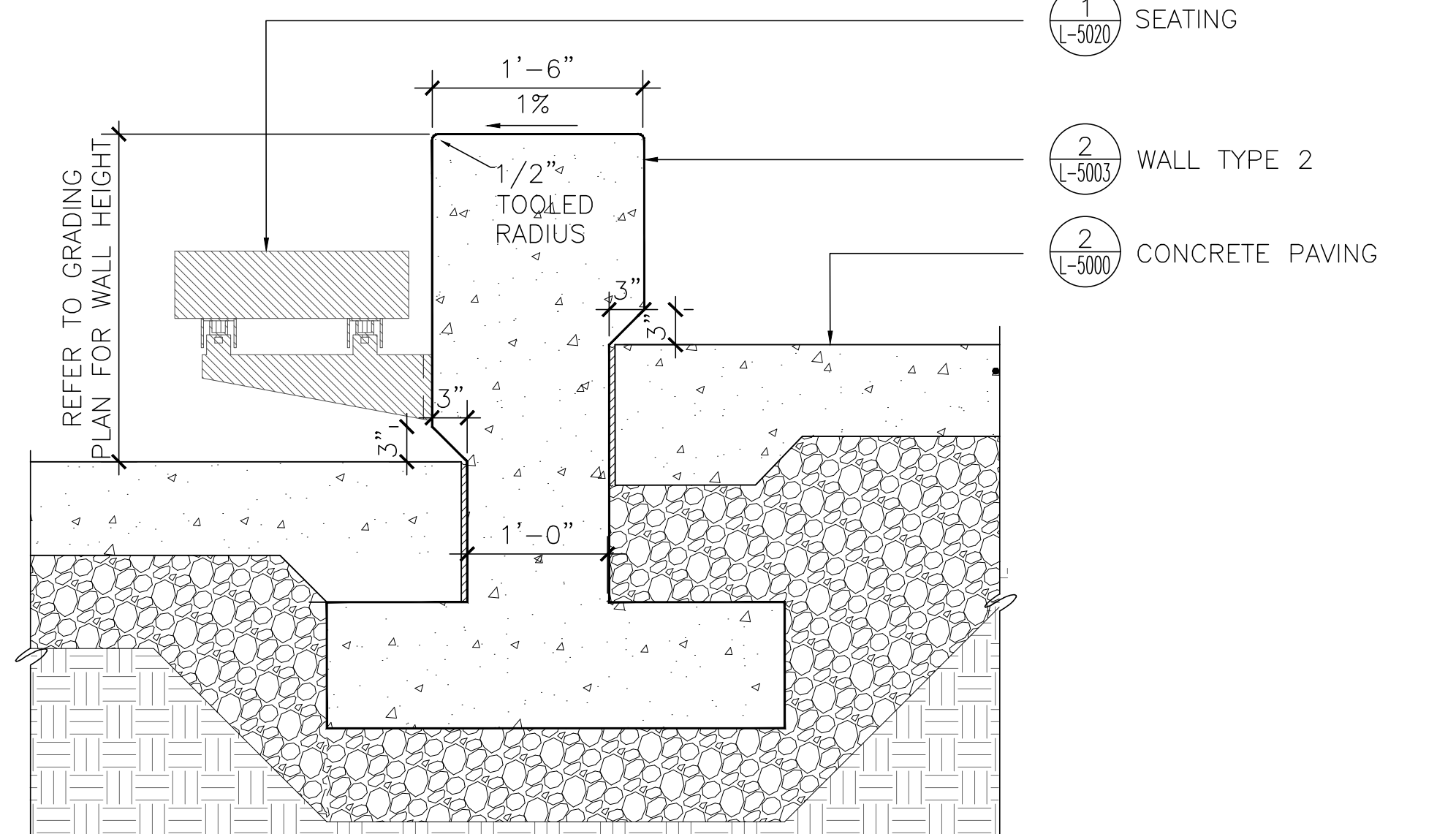
3 WALL TYPE 2 AT BENCH  
1" = 1'-0"



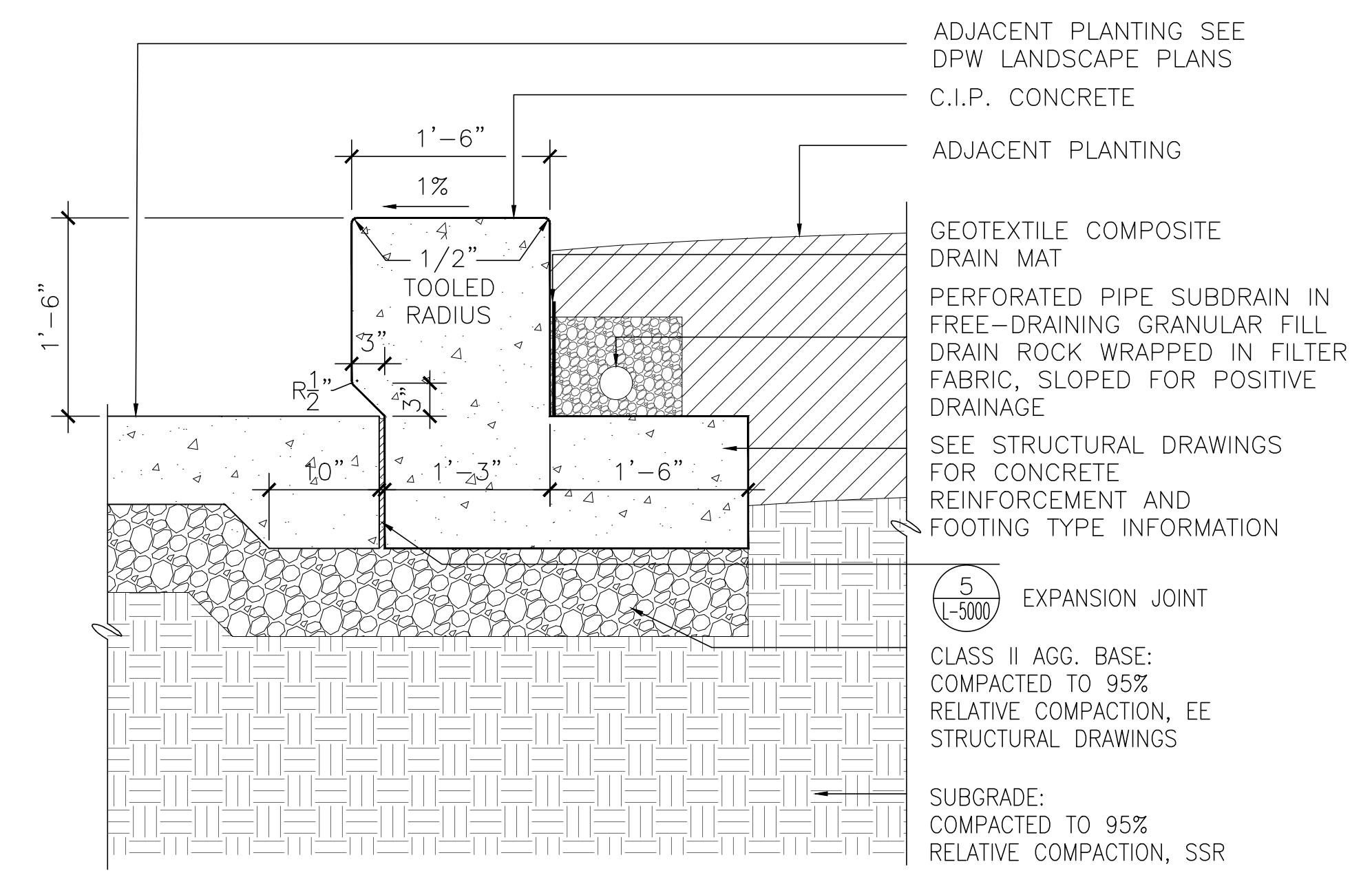
1 WALL TYPE 1  
1" = 1'-0"



6 WALL TYPE 2 WITH DRAINAGE  
1" = 1'-0"



4 WALL TYPE 2 SOUTHERN BEACH ACCESS  
1" = 1'-0"



2 WALL TYPE 2  
1" = 1'-0"

San Francisco Water Power Sewer  
Services of the San Francisco Public Utilities Commission  
INFRASTRUCTURE DIVISION  
ENGINEERING MANAGEMENT BUREAU

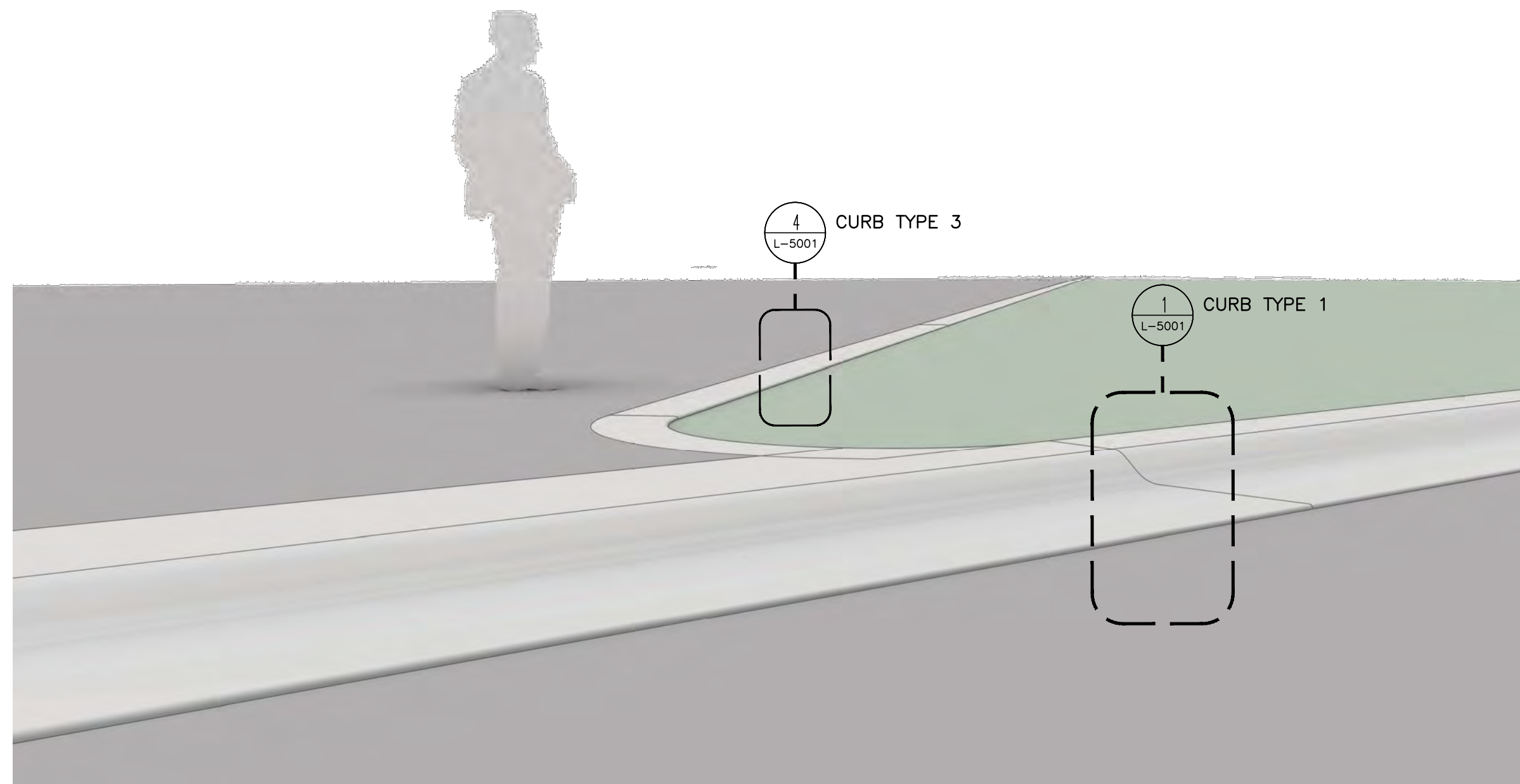
EMB Mgr. \_\_\_\_\_  
WWE Engineering Mgr. \_\_\_\_\_  
WWE O&M Mgr. \_\_\_\_\_  
Section Mgr. \_\_\_\_\_  
Designed \_\_\_\_\_  
Drawn \_\_\_\_\_  
Checked/Approved \_\_\_\_\_

MUNDEN FRY LANDSCAPE ASSOCIATES  
**MFLA**  
MUNDEN FRY LANDSCAPE ARCHITECTURE  
105 W. NORTH STREET, HEALDSBURG, CA 95448  
415-543-8202

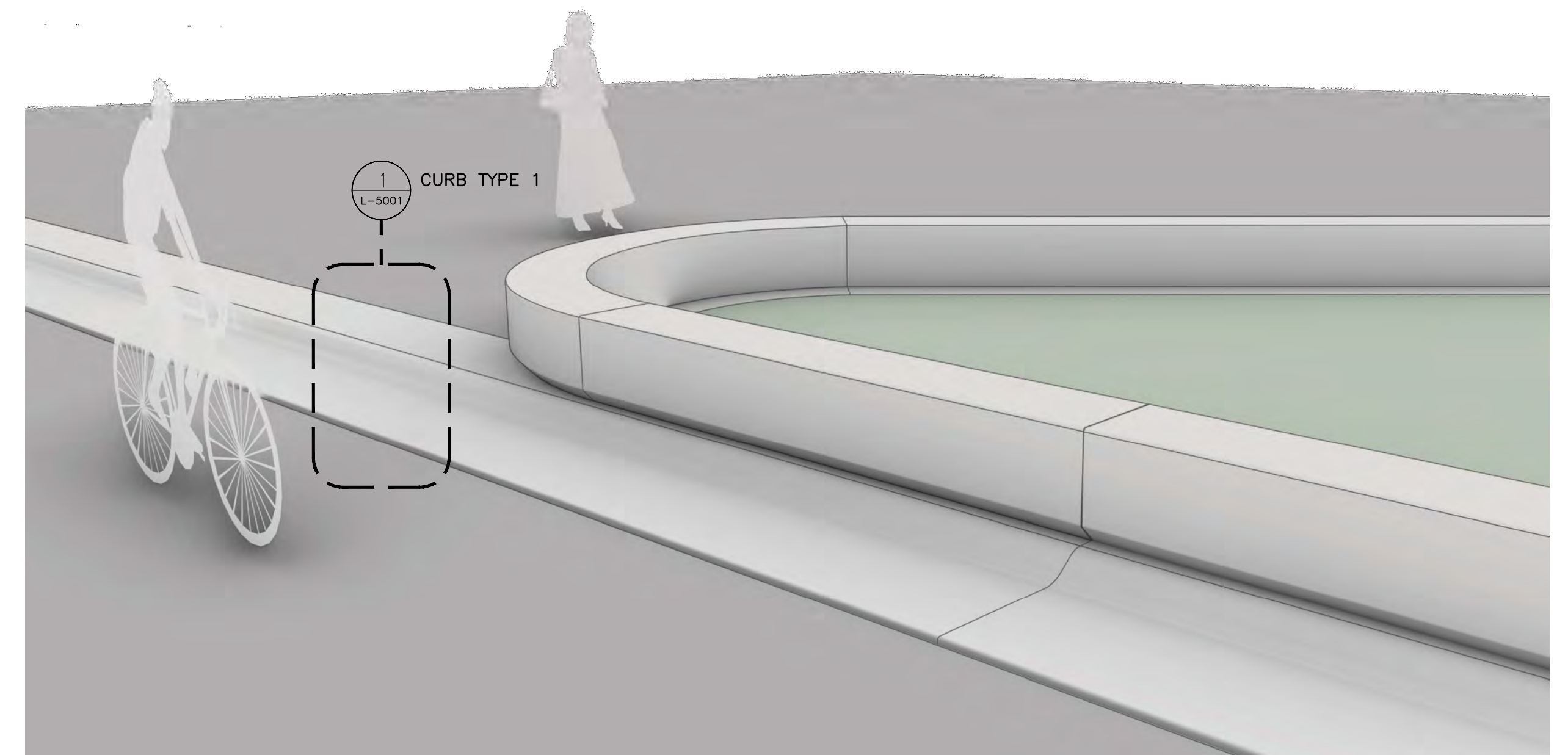
Proj. Mgr. \_\_\_\_\_  
Proj. Engr. \_\_\_\_\_  
Approved \_\_\_\_\_  
Designed \_\_\_\_\_  
Drawn \_\_\_\_\_  
Checked by \_\_\_\_\_

95% SUBMITTAL		ISSUE DATE
No.	Date	Revisions

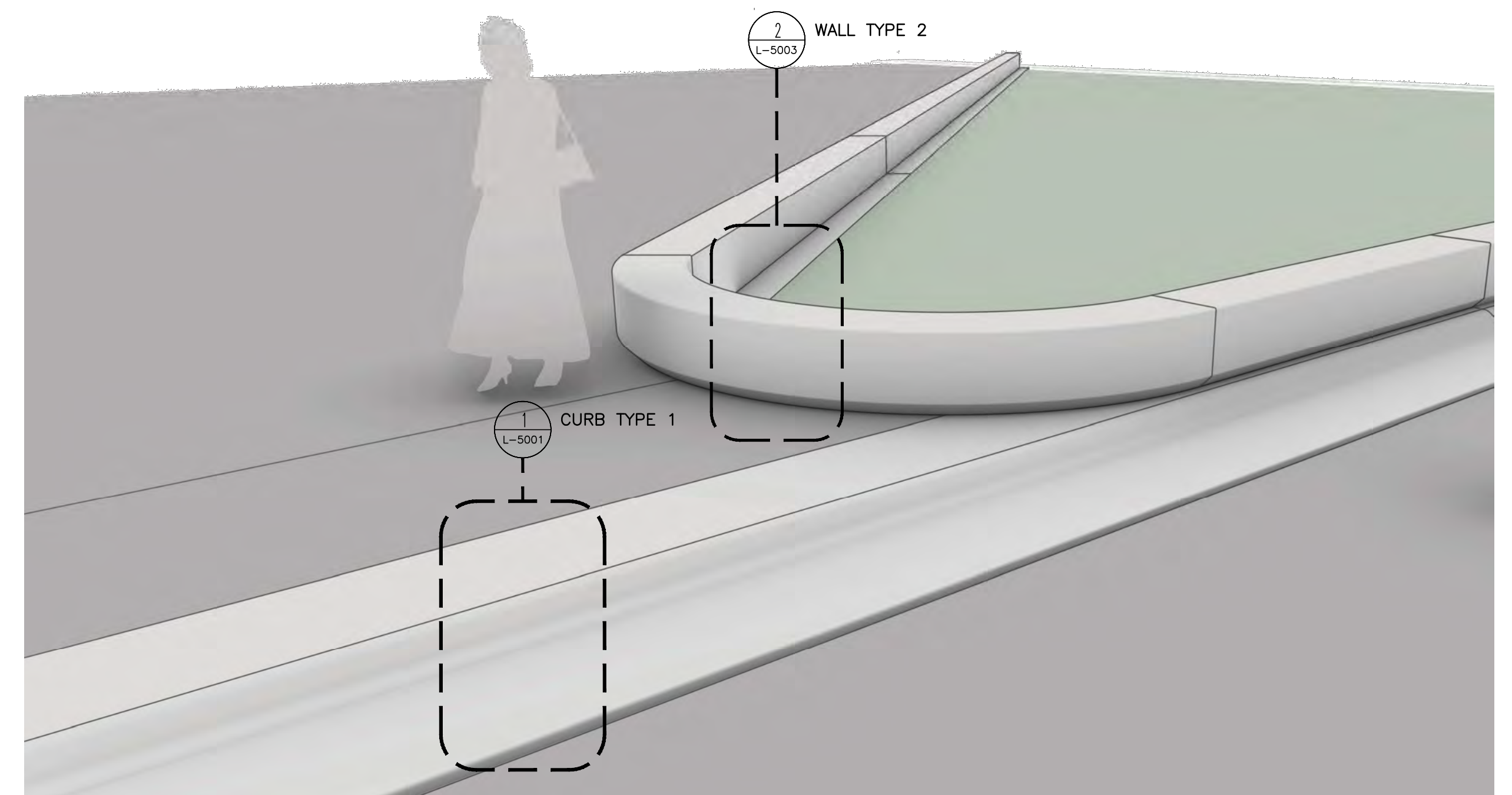
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Contract No. <b>WW-662</b>	Drawing Title <b>DETAILS - WALLS</b>		Project No. PROJECT NO.
Elevation Datum XXXX	Drawing/File No	Revision No. 0	Scale: AS SHOWN




3 CURB TYPE 1 AT WALL TYPE 2 VIEW  
NTS



1 CURB TYPE 1 AT WALL TYPE 2 VIEW  
NTS



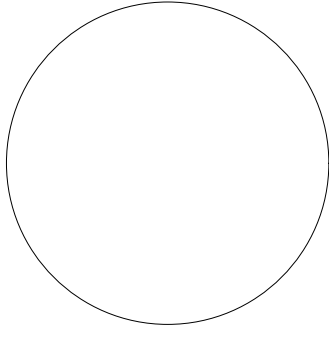
2 CURB TYPE 1 AT WALL TYPE 2 VIEW  
NTS


**San Francisco Water Power Sewer**  
 Services of the San Francisco Public Utilities Commission  
 INFRASTRUCTURE DIVISION  
 ENGINEERING MANAGEMENT BUREAU

EMB Mgr. \_\_\_\_\_  
 WWE Engineering Mgr. \_\_\_\_\_  
 WWE O&M Mgr. \_\_\_\_\_  
 Section Mgr. \_\_\_\_\_  
 Designed \_\_\_\_\_  
 Drawn \_\_\_\_\_  
 Checked/Approved \_\_\_\_\_

Proj. Mgr. \_\_\_\_\_  
 Proj. Engr. \_\_\_\_\_  
 Approved \_\_\_\_\_  
 Designed \_\_\_\_\_  
 Drawn \_\_\_\_\_  
 Checked by \_\_\_\_\_

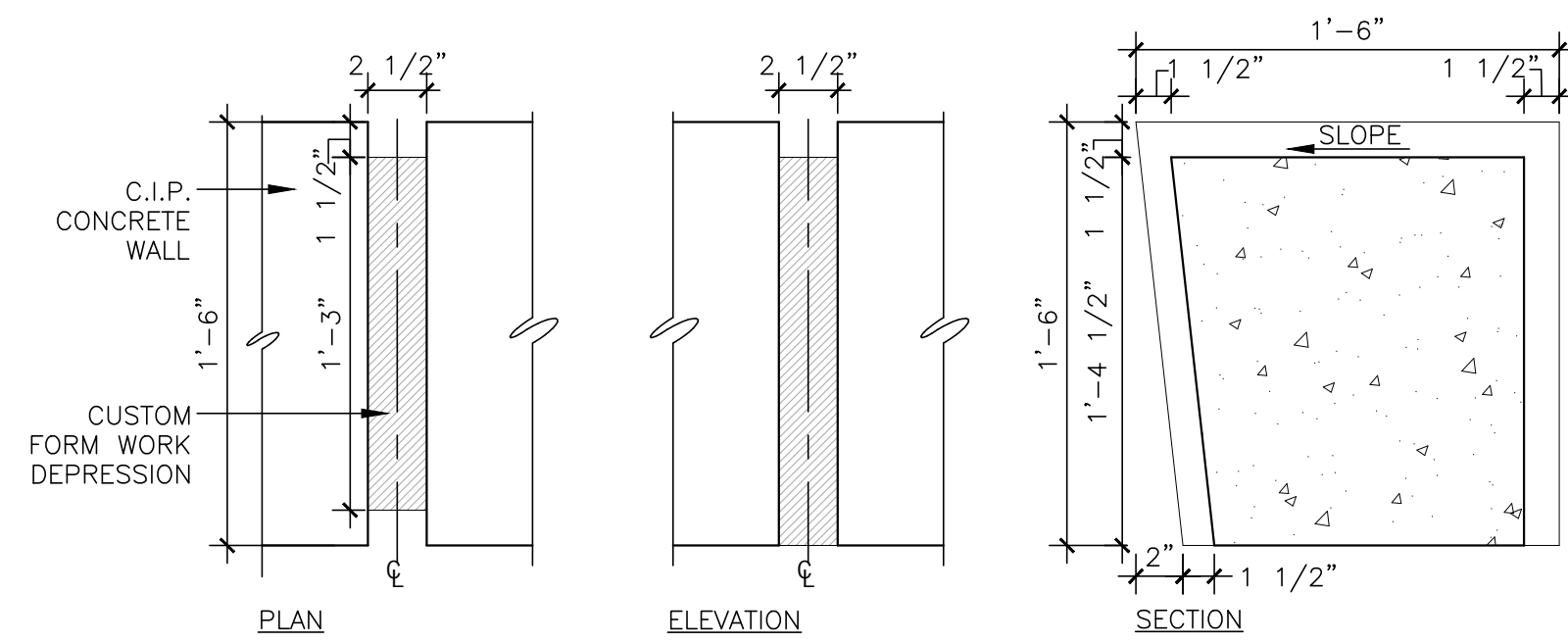
**MUNDEN FRY LANDSCAPE ASSOCIATES**  
**MFLA**  
 MUNDEN FRY LANDSCAPE ARCHITECTURE  
 105 W. NORTH STREET, HEALDSBURG, CA 95448  
 415-543-8202



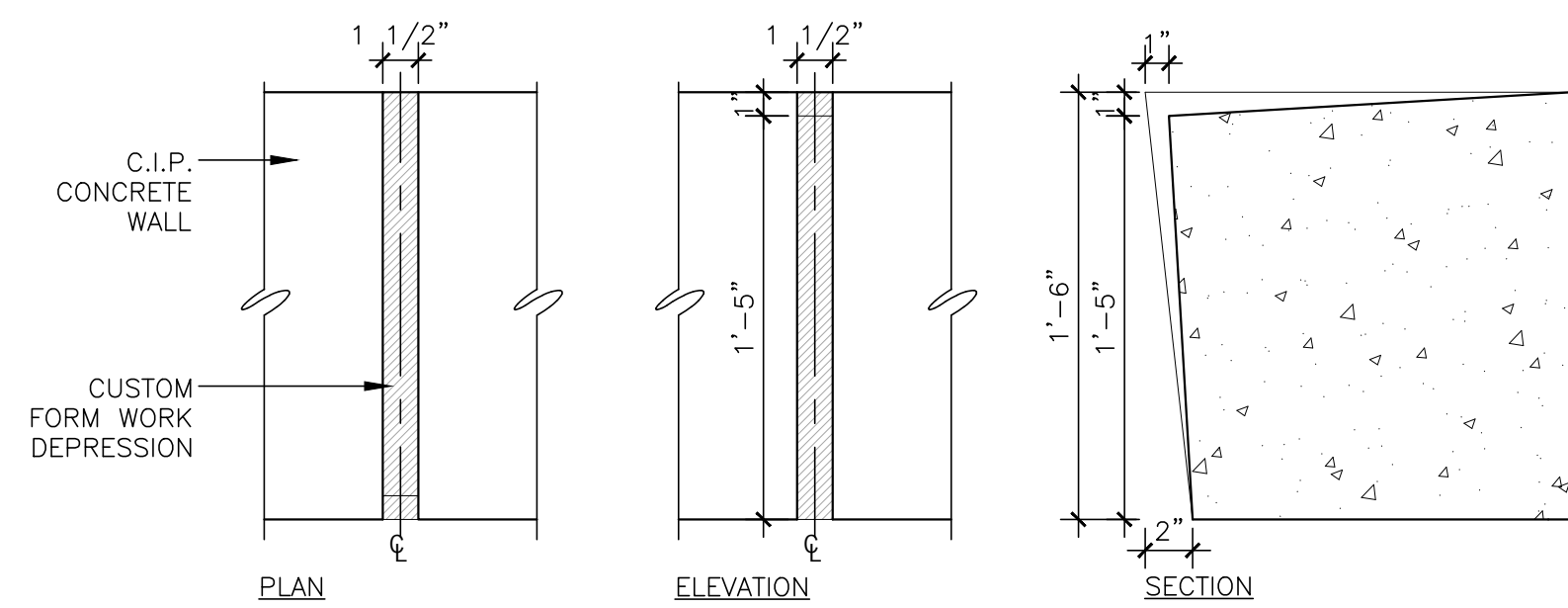
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No.	Date	Revisions

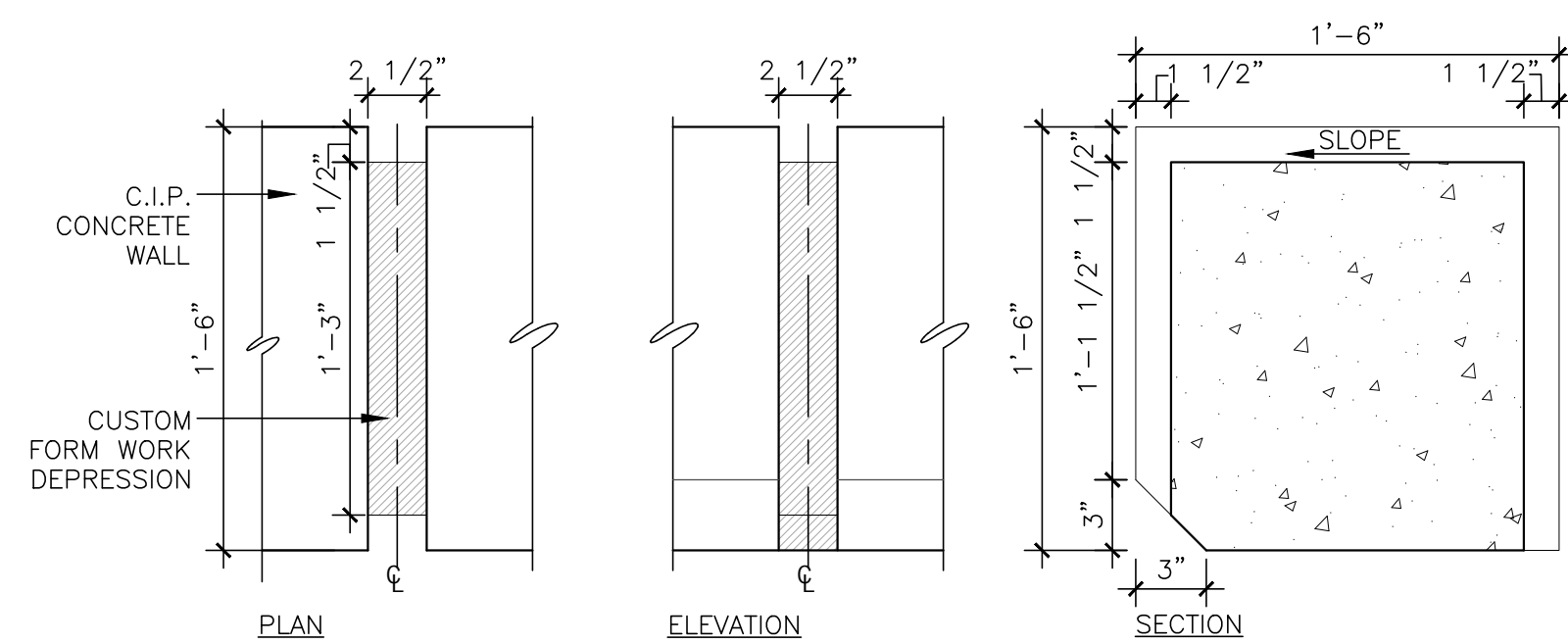
FOR THE SOLE USE OF THE DOCUMENT RECIPIENT - DO NOT CITE, COPY, OR CIRCULATE WITHOUT THE EXPRESSED PERMISSION OF THE SFPUC.		Project <b>OCEAN BEACH CLIMATE CHANGE ADAPTATION PROJECT - LONG TERM IMPROVEMENTS</b>	Plan No. <b>L-5004</b>
Contract No <b>WW-662</b>	Drawing Title <b>DETAILS - WALLS</b>		Project No. PROJECT NO.
Elevation Datum XXXX	Drawing/File No	Revision No. 0	Scale: AS SHOWN



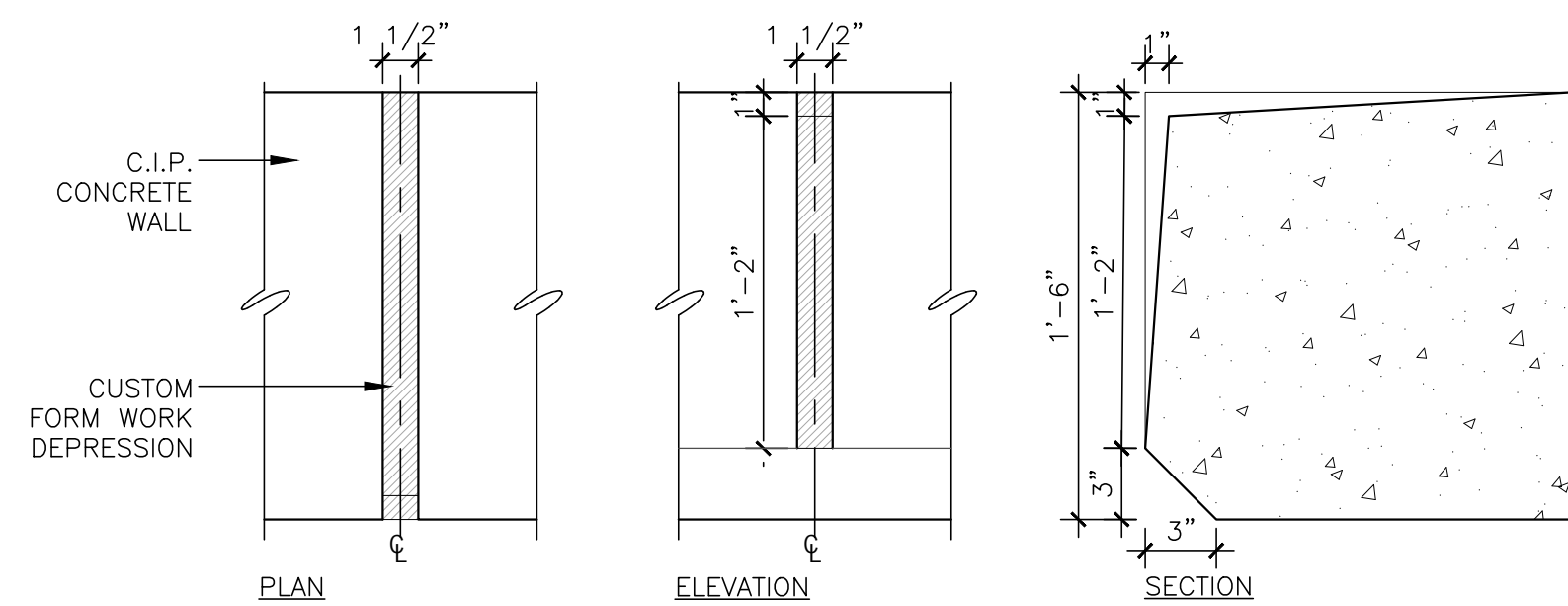
5 SKATE STOP #1 AT WALL TYPE 1  
1 1/2" = 1'-0"



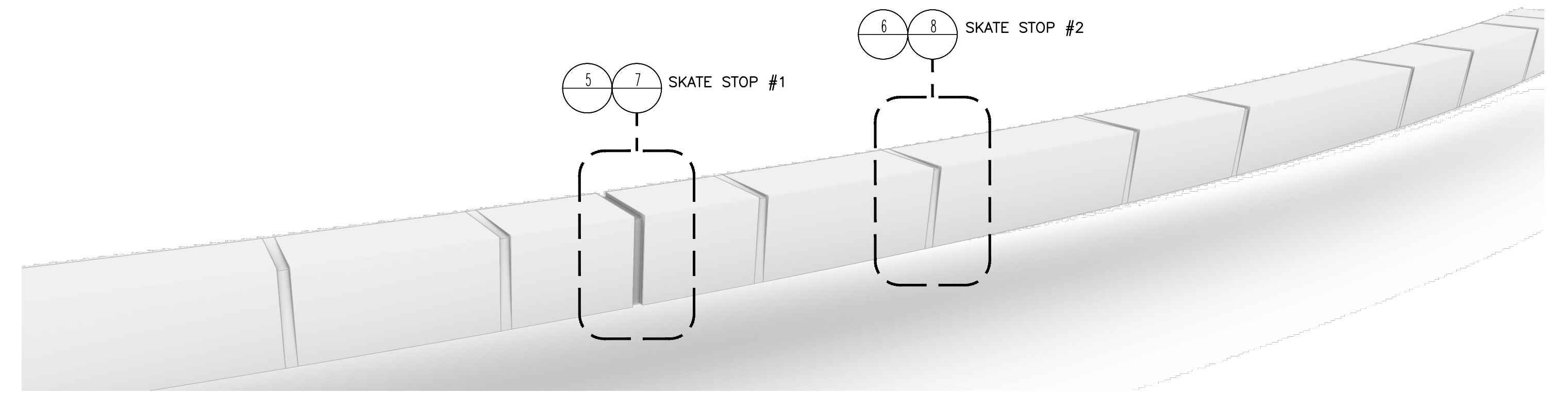
6 SKATE STOP #2 WALL TYPE 1  
1 1/2" = 1'-0"



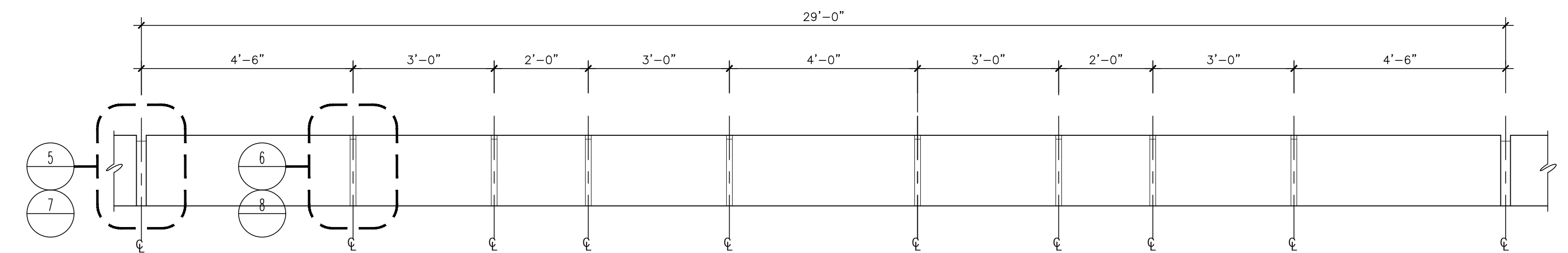
7 SKATE STOP #1 AT WALL TYPE 2  
1 1/2" = 1'-0"



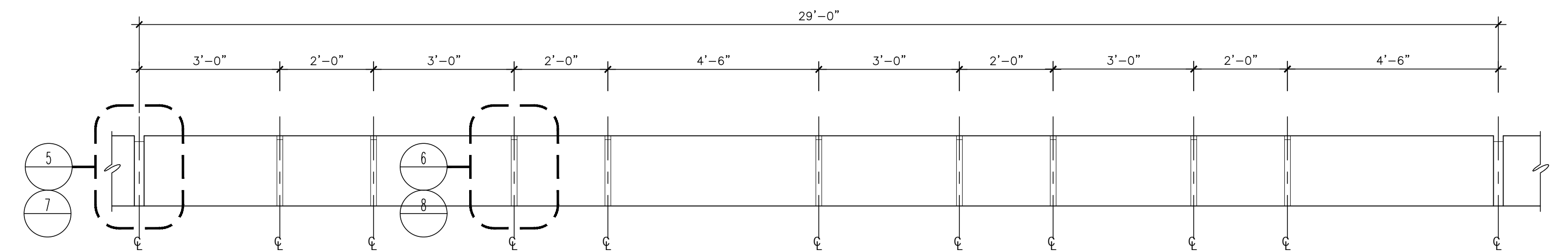
8 SKATE STOP #2 AT WALL TYPE 2  
1 1/2" = 1'-0"



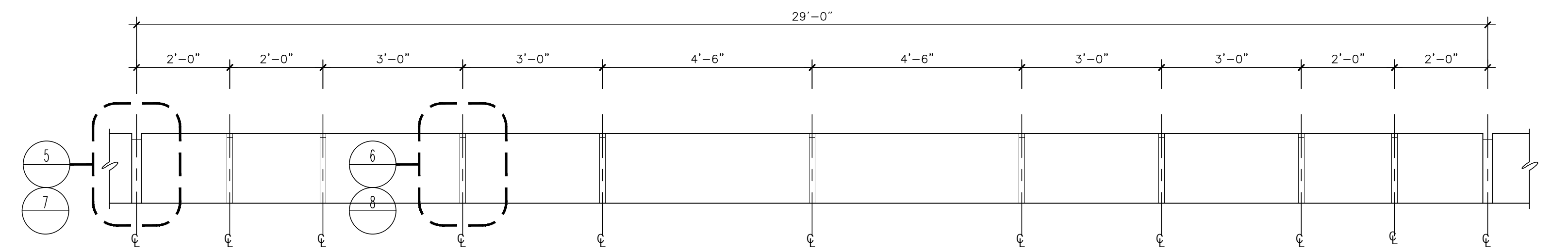
1 WALL TYPE 1 SKATE STOP ILLUSTRATION  
NTS



2 WALL TYPE 1 SKATE STOP PATTERN A ELEVATION  
1/2" = 1'-0"



3 WALL TYPE 1 SKATE STOP PATTERN B ELEVATION  
1/2" = 1'-0"



4 WALL TYPE 1 SKATE STOP PATTERN C ELEVATION  
1/2" = 1'-0"



EMB Mgr. \_\_\_\_\_  
 WWE Engineering Mgr. \_\_\_\_\_  
 WWE O&M Mgr. \_\_\_\_\_  
 Section Mgr. \_\_\_\_\_  
 Designed \_\_\_\_\_  
 Drawn \_\_\_\_\_  
 Checked/Approved \_\_\_\_\_



Proj. Mgr. \_\_\_\_\_  
 Proj. Engr. \_\_\_\_\_  
 Approved \_\_\_\_\_  
 Designed \_\_\_\_\_  
 Drawn \_\_\_\_\_  
 Checked by \_\_\_\_\_

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No.	Date	Revisions

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Contract No. WW-662

Elevation Datum XXXX

Project OCEAN BEACH CLIMATE CHANGE ADAPTATION PROJECT - LONG TERM IMPROVEMENTS

Drawing Title DETAILS - WALLS

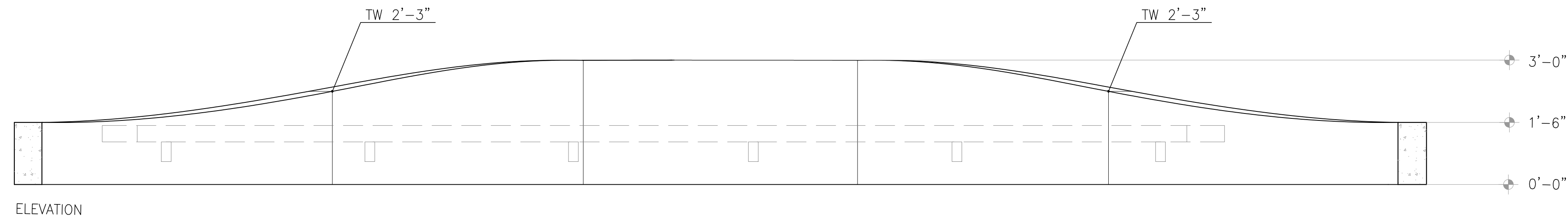
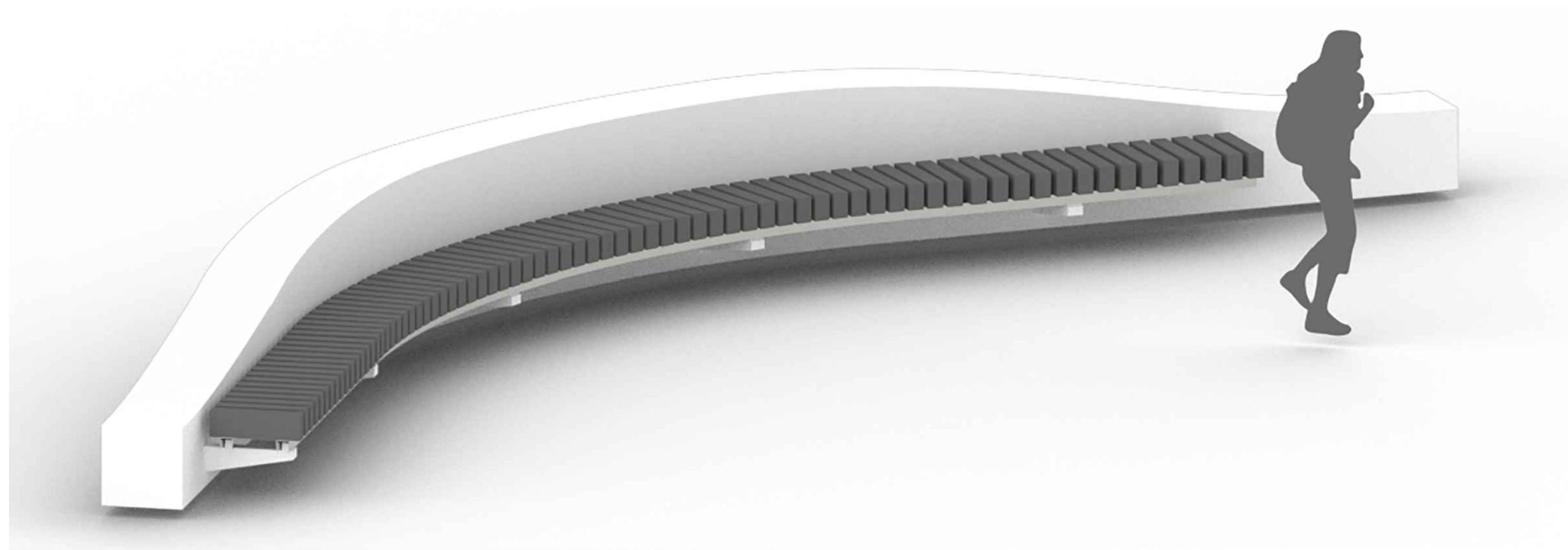
Drawing/File No

Revision No. 0

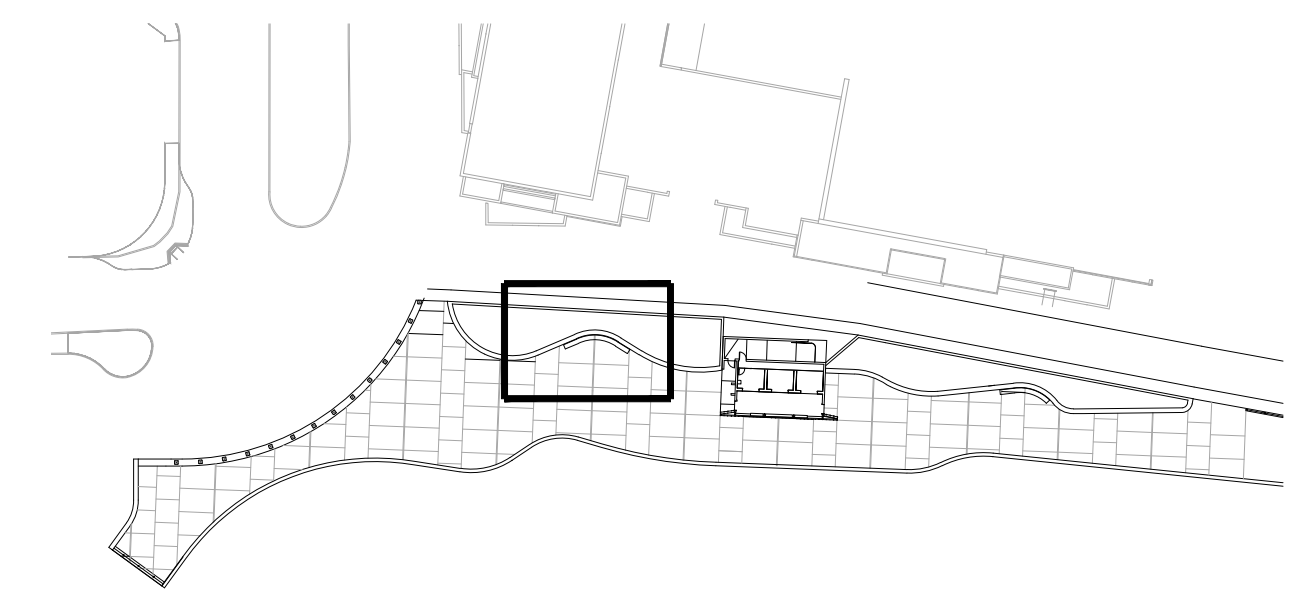
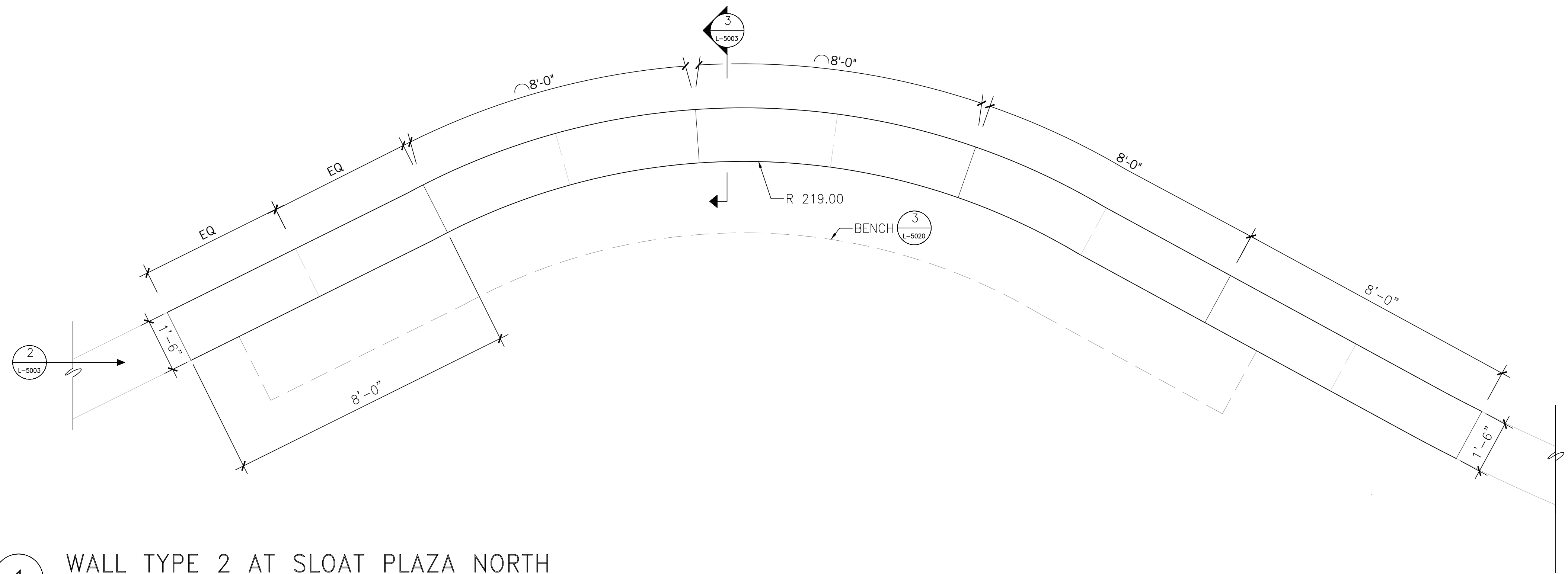
Plan No. L-5005

Project No. PROJECT NO.

Scale: AS SHOWN



ELEVATION



KEY: N.T.S.

1 WALL TYPE 2 AT SLOAT PLAZA NORTH  
1/2" = 1'-0"



EMB Mgr. \_\_\_\_\_  
 WWE Engineering Mgr. \_\_\_\_\_  
 WWE O&M Mgr. \_\_\_\_\_  
 Section Mgr. \_\_\_\_\_  
 Designed \_\_\_\_\_  
 Drawn \_\_\_\_\_  
 Checked/Approved \_\_\_\_\_



MUNDEN FRY LANDSCAPE ARCHITECTURE  
 105 W. NORTH STREET, HEALDSBURG, CA 95448  
 415-543-8202

Proj. Mgr. \_\_\_\_\_  
 Proj. Engr. \_\_\_\_\_  
 Approved \_\_\_\_\_  
 Designed \_\_\_\_\_  
 Drawn \_\_\_\_\_  
 Checked by \_\_\_\_\_

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Contract No  
**WW-662**

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 XXXX

Project  
**OCEAN BEACH CLIMATE CHANGE ADAPTATION  
 PROJECT - LONG TERM IMPROVEMENTS**

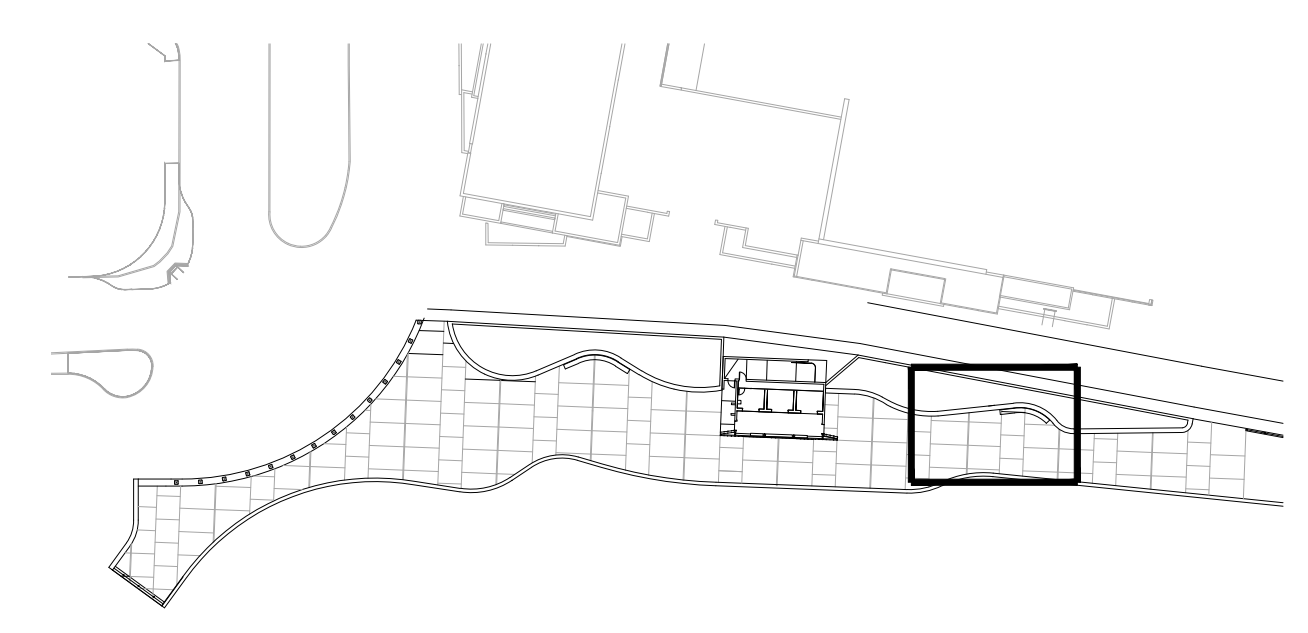
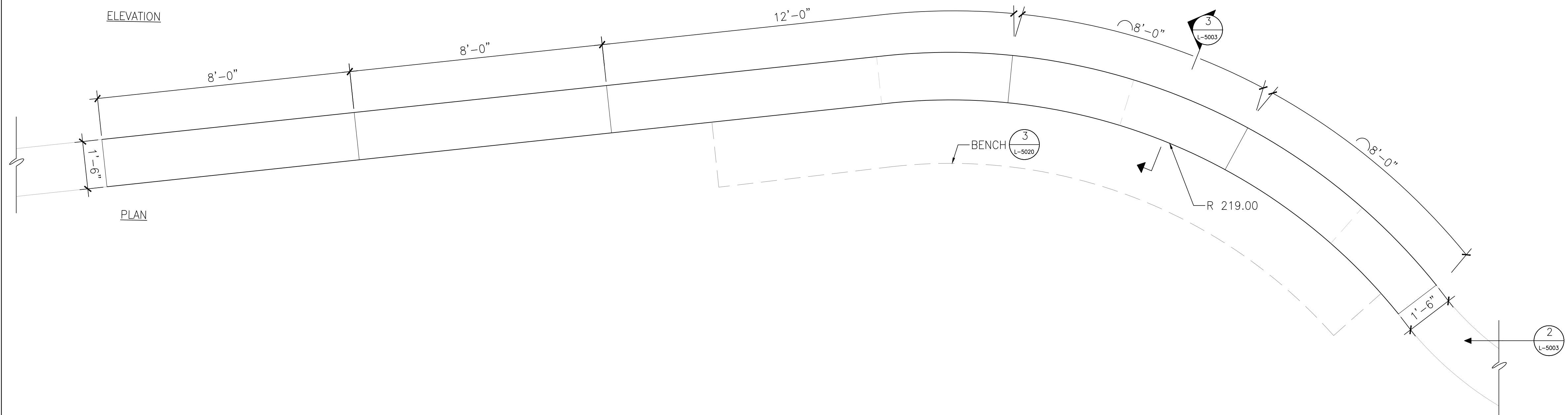
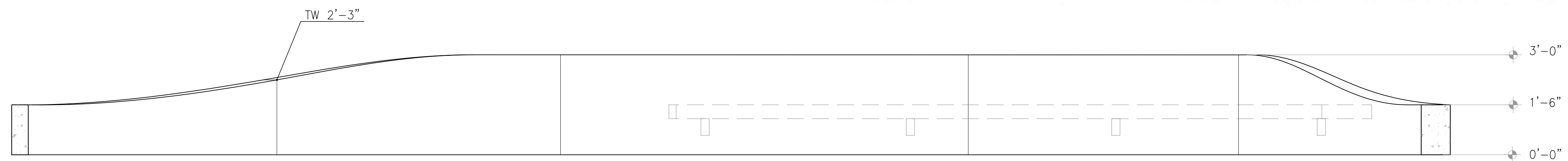
Drawing Title  
**DETAILS - WALLS**

Drawing/File No  
 Revision No. 0

Plan No.  
**L-5006**


Project No.  
 PROJECT NO.

Scale:  
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KEY: N.T.S.

1 WALL TYPE 3 AT SLOAT PLAZA #2  
1/2" = 1'-0"


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 WWE O&M Mgr. \_\_\_\_\_  
 Section Mgr. \_\_\_\_\_  
 Designed \_\_\_\_\_  
 Drawn \_\_\_\_\_  
 Checked/Approved \_\_\_\_\_

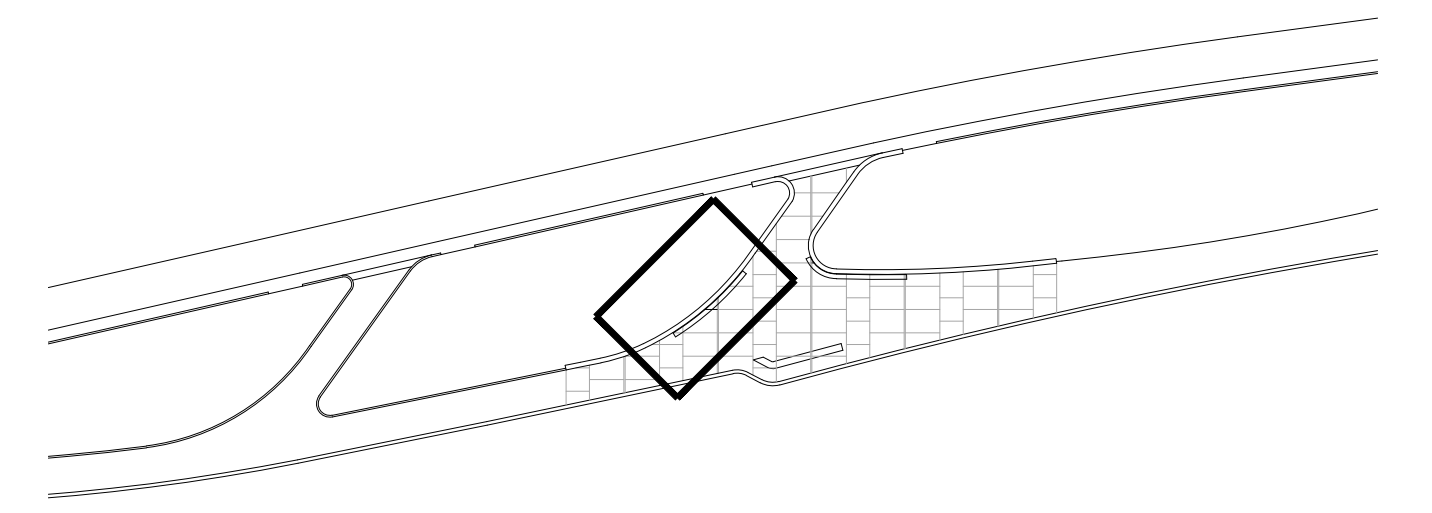
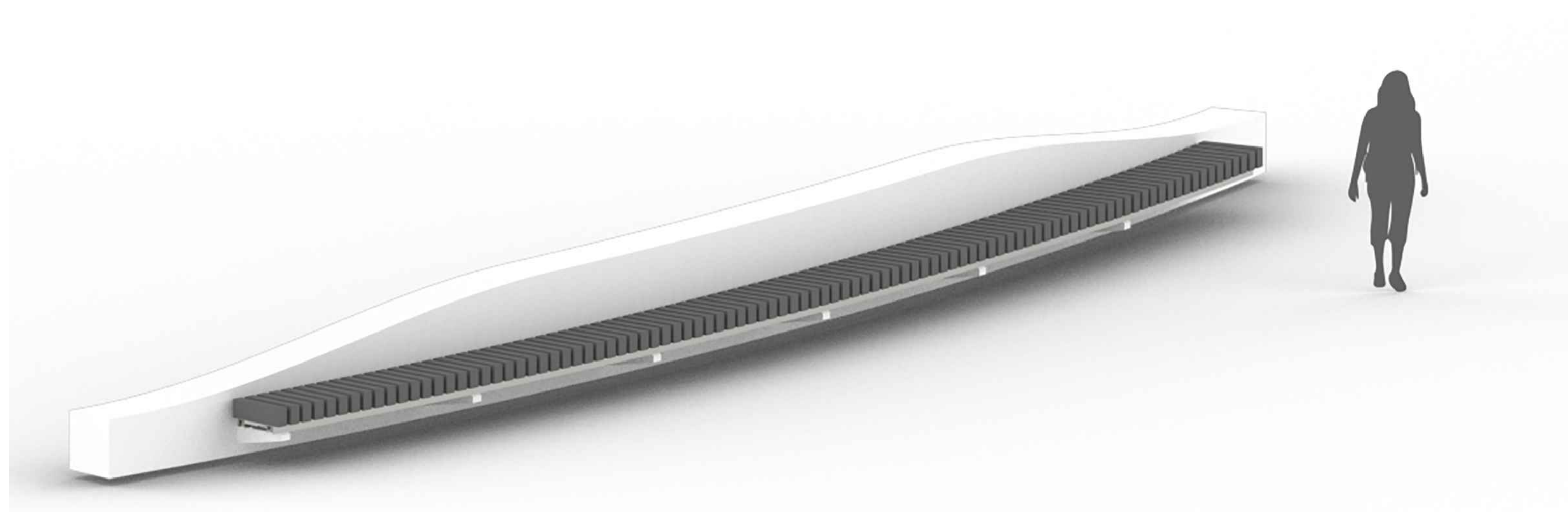
Proj. Mgr. \_\_\_\_\_  
 Proj. Engr. \_\_\_\_\_  
 Approved \_\_\_\_\_  
 Designed \_\_\_\_\_  
 Drawn \_\_\_\_\_  
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**MUNDEN FRY LANDSCAPE ASSOCIATES**  
**MFLA**  
 MUNDEN FRY LANDSCAPE ARCHITECTURE  
 105 W. NORTH STREET, HEALDSBURG, CA 95448  
 415-543-8202

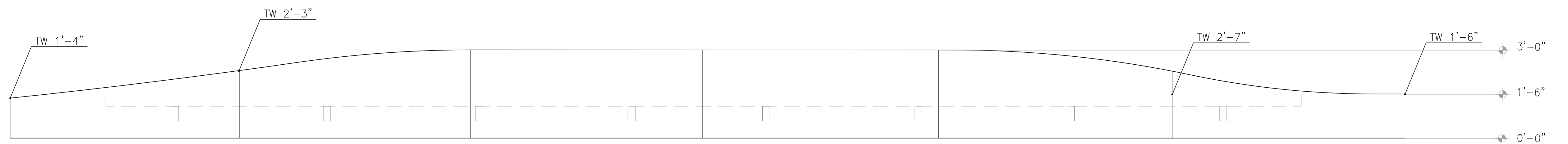
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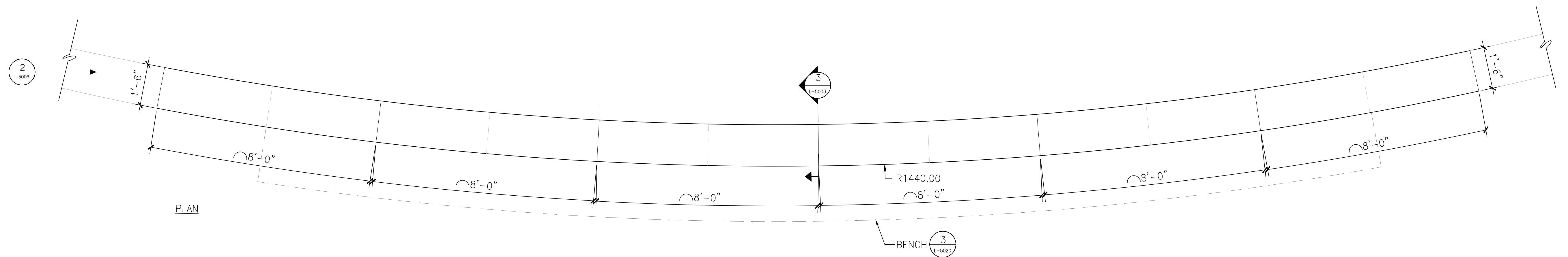
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Contract No <b>WW-662</b>	Drawing Title <b>DETAILS - WALLS</b>		Project No. PROJECT NO.
Elevation Datum XXXX	Drawing/File No	Revision No. 0	Scale: AS SHOWN



KEY: N.T.S.



ELEVATION



PLAN

1 WALL TYPE #2 AT ZOO INTERSECTION NORTH  
1/2" = 1'-0"

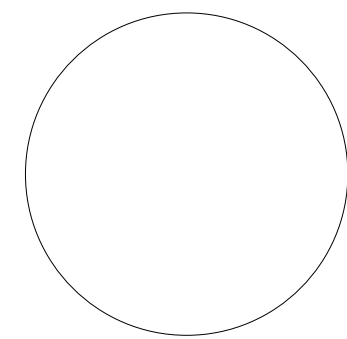


EMB Mgr. \_\_\_\_\_  
 WWE Engineering Mgr. \_\_\_\_\_  
 WWE O&M Mgr. \_\_\_\_\_  
 Section Mgr. \_\_\_\_\_  
 Designed \_\_\_\_\_  
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Project  
**OCEAN BEACH CLIMATE CHANGE ADAPTATION PROJECT - LONG TERM IMPROVEMENTS**

Drawing Title  
**DETAILS - WALLS**

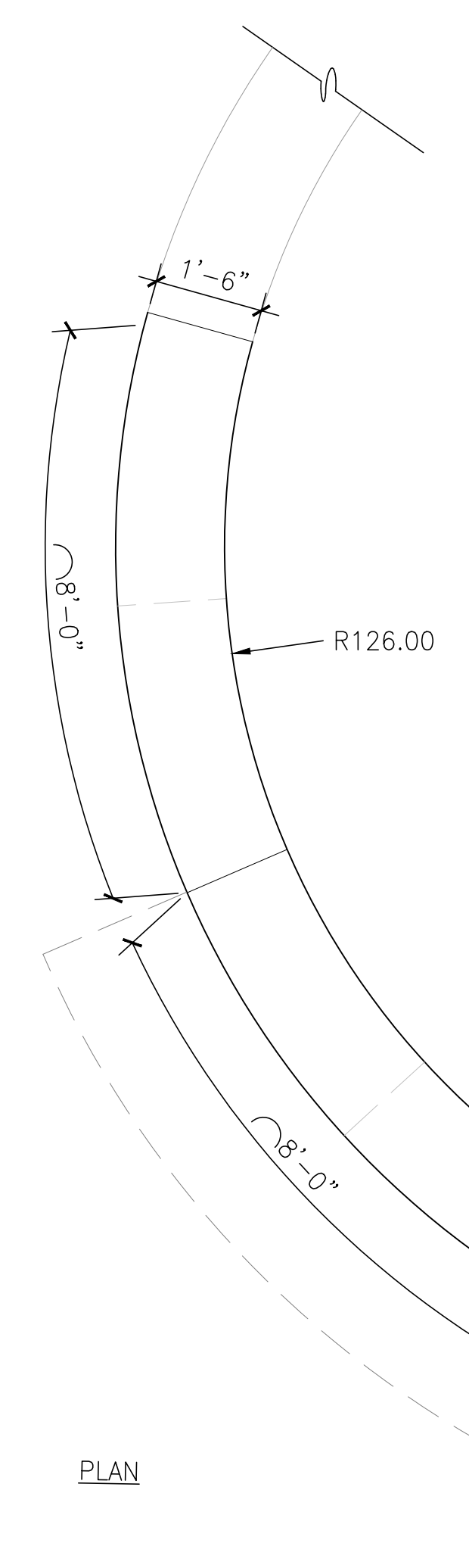
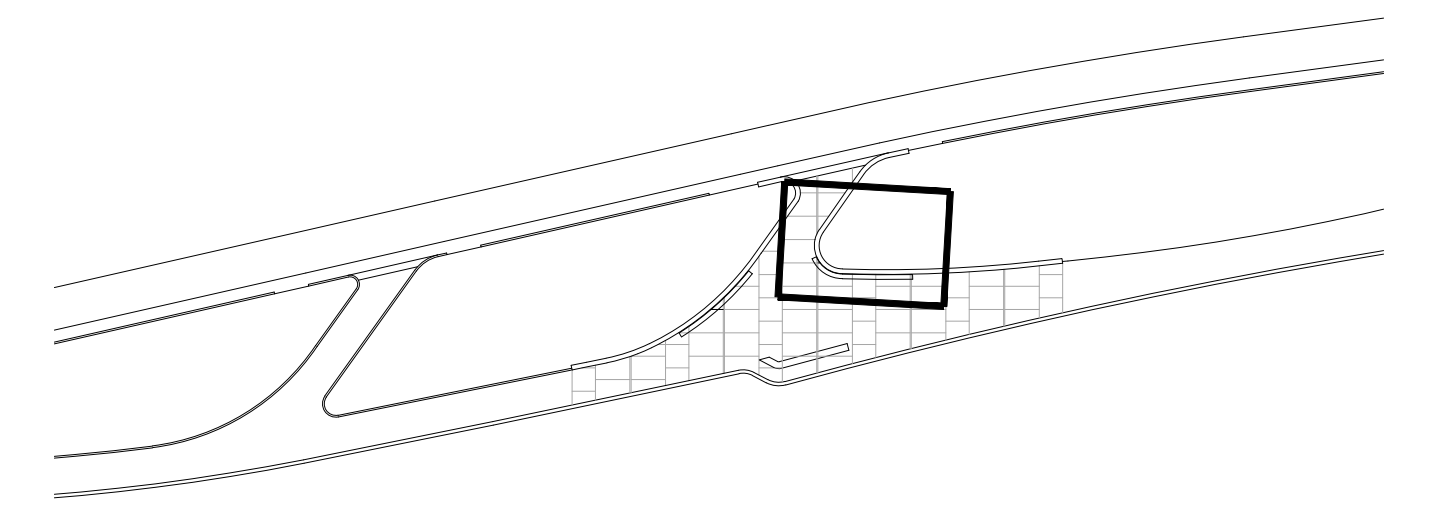
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Revision No. 0

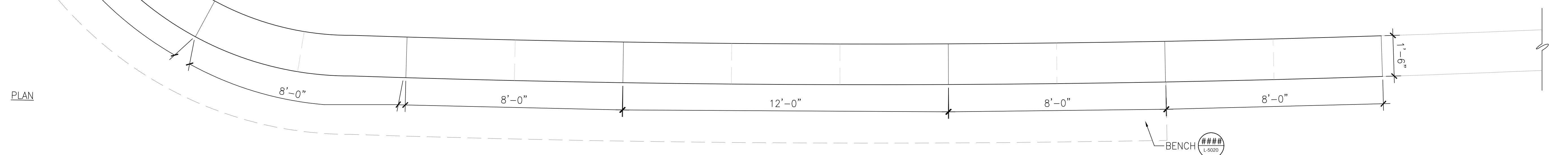
Plan No.  
**L-5008**

Project No.  
 PROJECT NO.

Scale: AS SHOWN




PLAN



ELEVATION

**1** WALL TYPE #2 AT ZOO INTERSECTION SOUTH  
 1/2" = 1'-0"

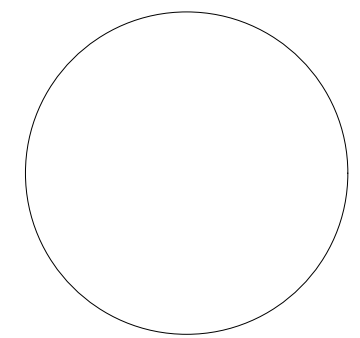


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EMB Mgr. \_\_\_\_\_  
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 WWE O&M Mgr. \_\_\_\_\_  
 Section Mgr. \_\_\_\_\_  
 Designed \_\_\_\_\_  
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**MFLA**  
 MUNDEN FRY LANDSCAPE ARCHITECTURE  
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 415-543-8202

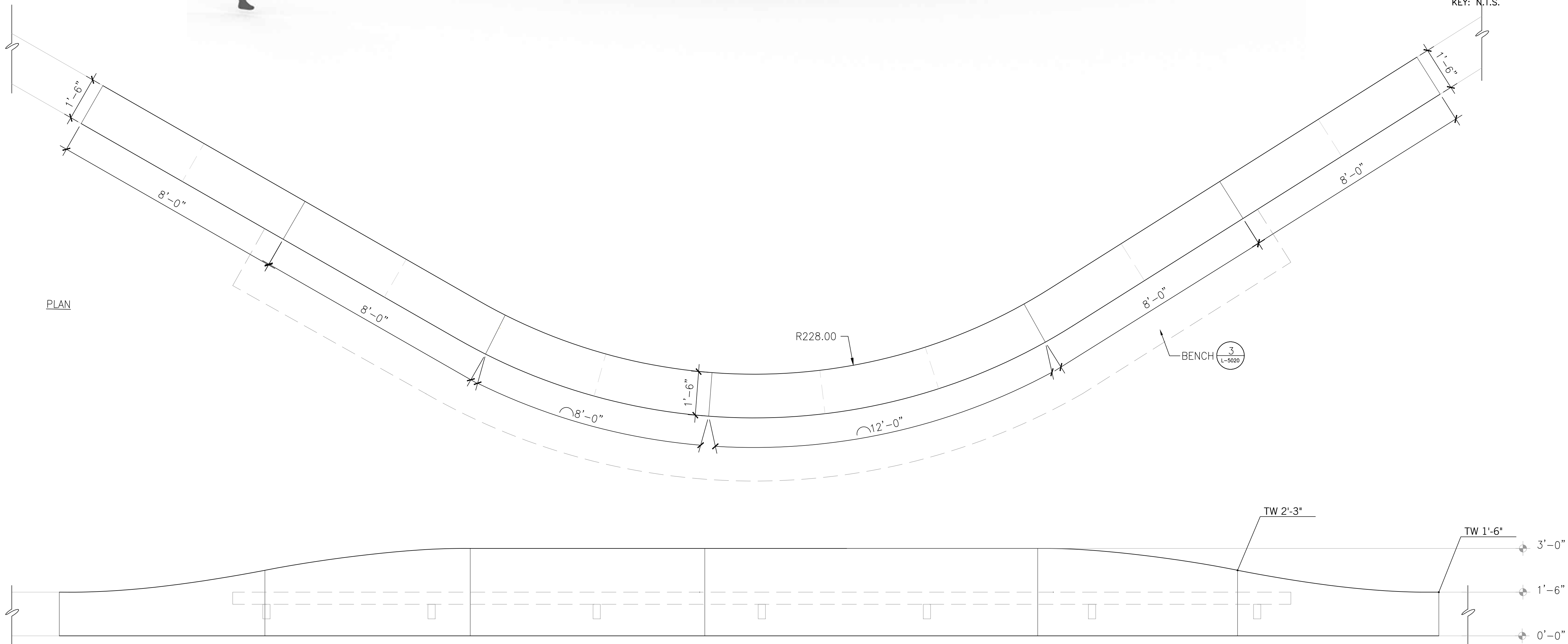
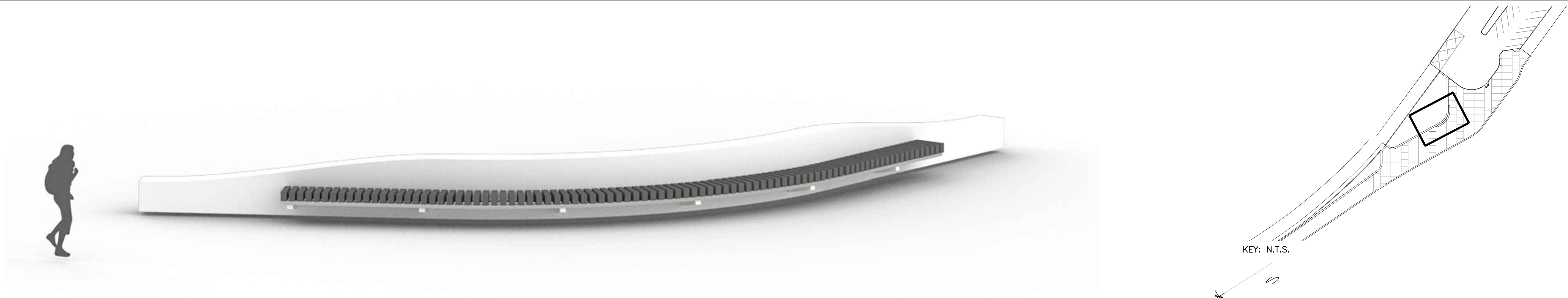
Proj. Mgr. \_\_\_\_\_  
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Contract No. WW-662	Drawing Title DETAILS - WALLS		Project No. PROJECT NO.
Elevation Datum XXXX	Drawing/File No	Revision No. 0	Scale: AS SHOWN



PLAN

ELEVATION

1 WALL TYPE #2 AT SKYLINE DROP-OFF  
1/2" = 1'-0"



EMB Mgr. \_\_\_\_\_  
 WWE Engineering Mgr. \_\_\_\_\_  
 WWE O&M Mgr. \_\_\_\_\_  
 Section Mgr. \_\_\_\_\_  
 Designed \_\_\_\_\_  
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Contract No  
**WW-662**

Elevation Datum  
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Project  
**OCEAN BEACH CLIMATE CHANGE ADAPTATION PROJECT - LONG TERM IMPROVEMENTS**

Drawing Title  
**DETAILS - WALLS**

Drawing/File No

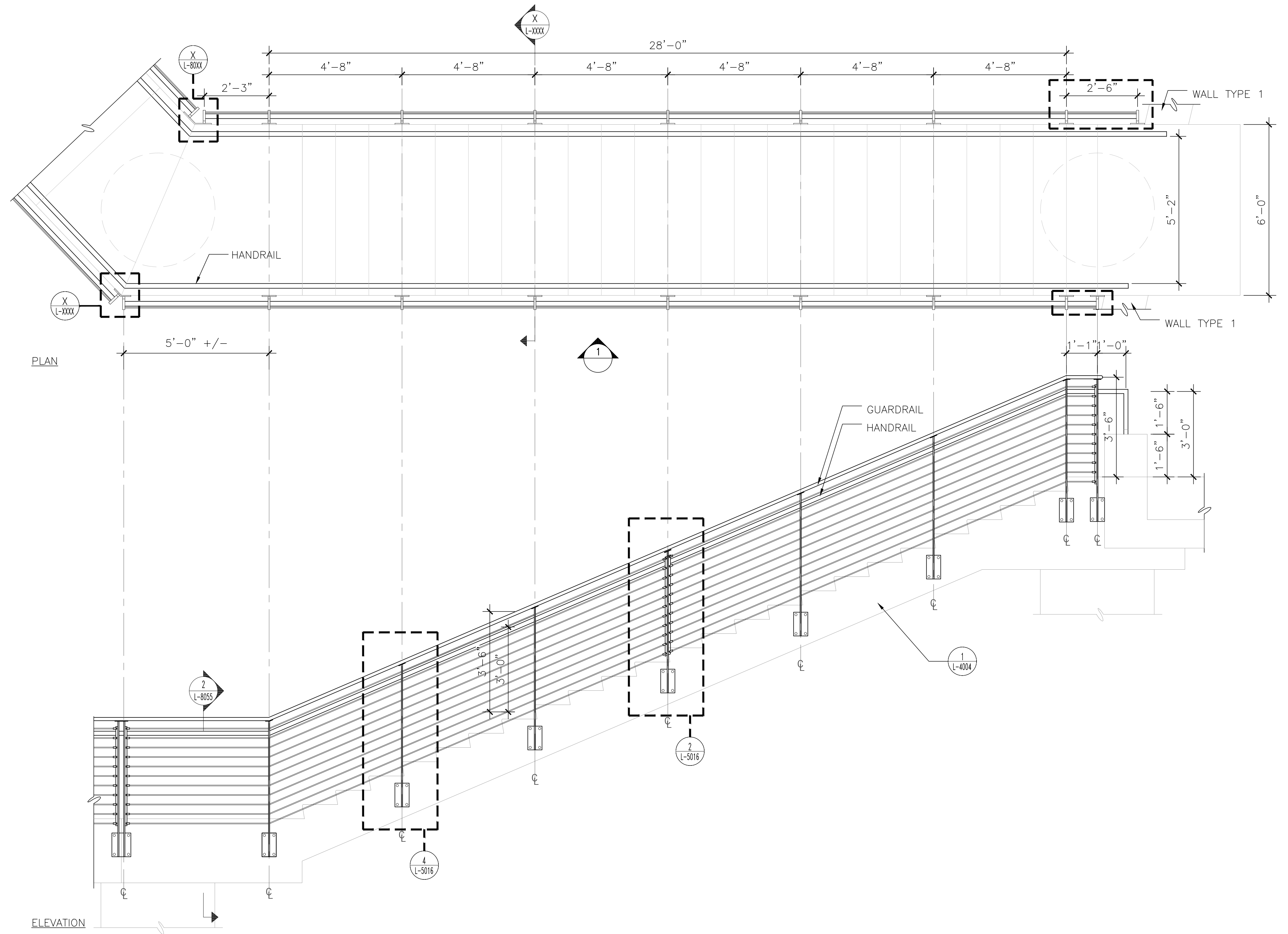
Revision No. 0

Plan No.  
**L-5010**

Project No.  
 PROJECT NO.

Scale: AS SHOWN





**1** HANDRAIL 1 - SEGMENT 1  
1/2" = 1'-0"

KEY: N.T.S.



EMB Mgr. \_\_\_\_\_  
 WWE Engineering Mgr. \_\_\_\_\_  
 WWE O&M Mgr. \_\_\_\_\_  
 Section Mgr. \_\_\_\_\_  
 Designed \_\_\_\_\_  
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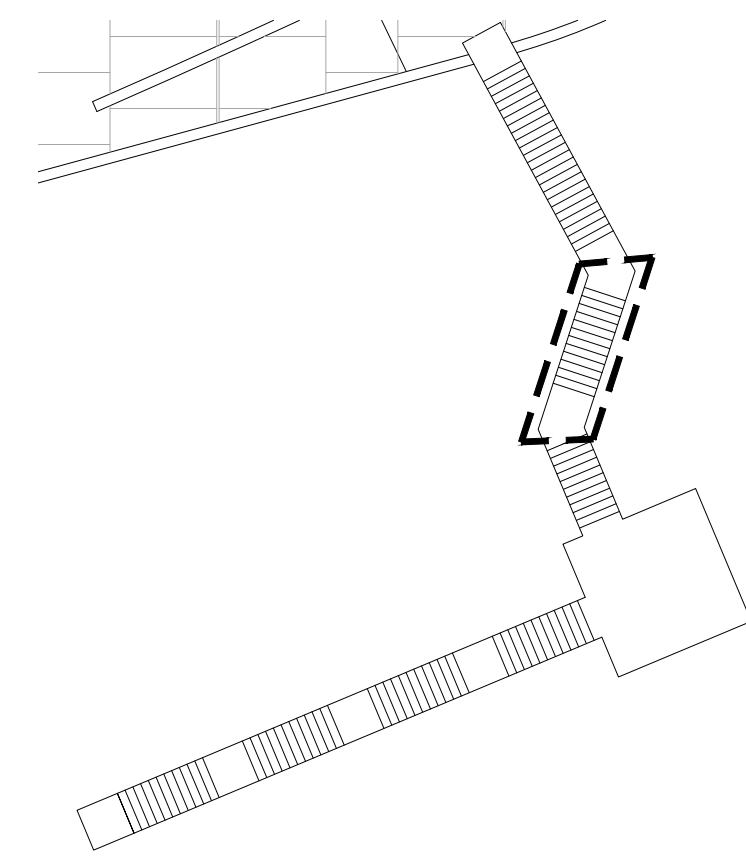
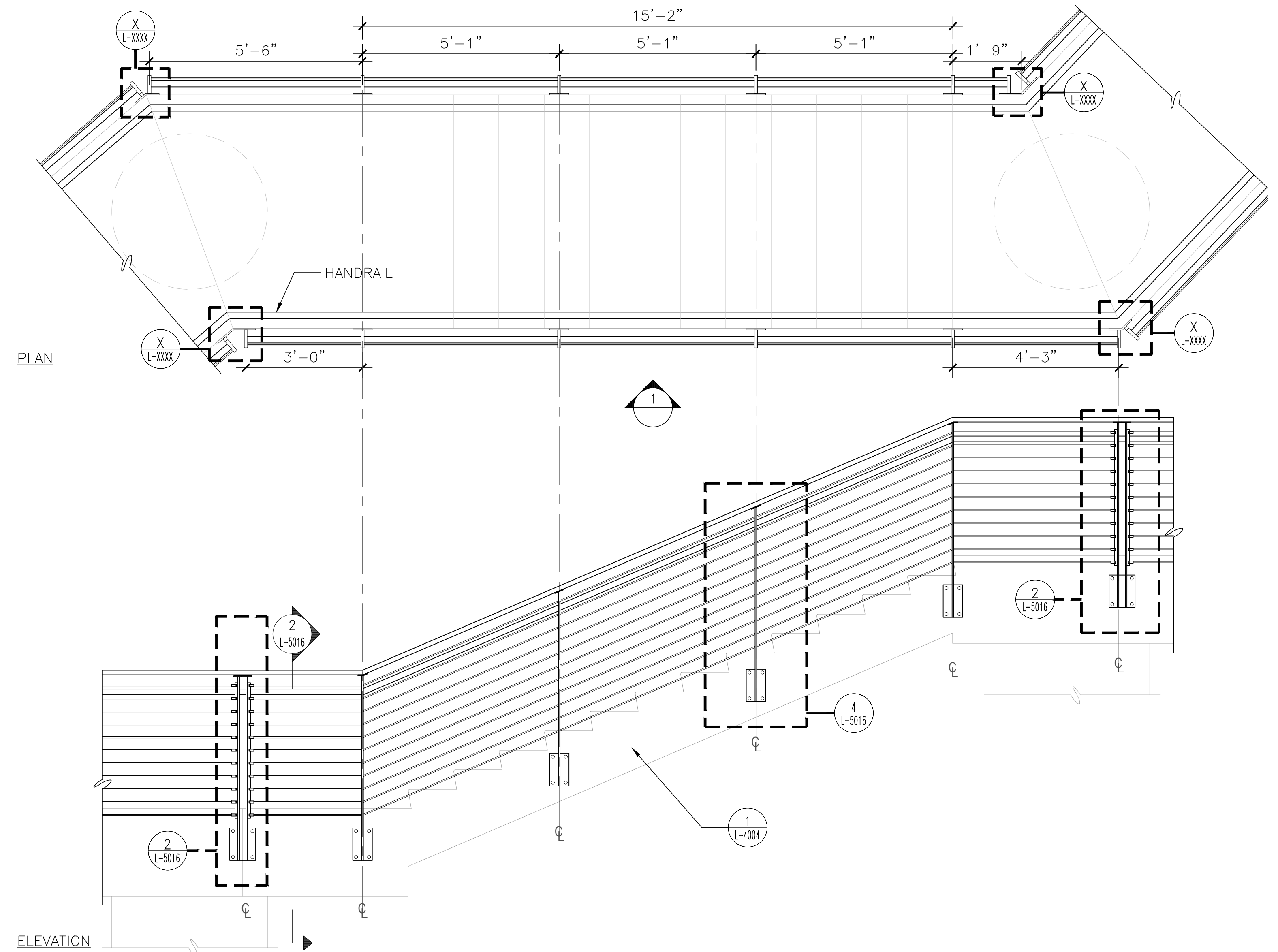


Proj. Mgr. \_\_\_\_\_  
 Proj. Engr. \_\_\_\_\_  
 Approved \_\_\_\_\_  
 Designed \_\_\_\_\_  
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	Contract No.	WW-662	Drawing Title	DETAILS - GUARDRAIL
Elevation Datum	XXXX	Drawing/File No.	Revision No.	0
			Project No.	PROJECT NO.
			Scale:	AS SHOWN




KEY: N.T.S.

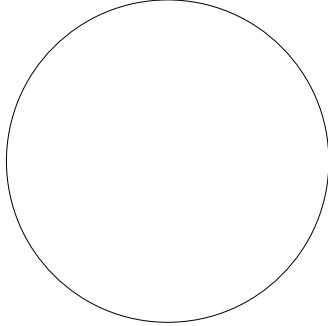
**1 HANDRAIL 1 – SEGMENT 2**  
1/2" = 1'-0"


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 WWE O&M Mgr. \_\_\_\_\_  
 Section Mgr. \_\_\_\_\_  
 Designed \_\_\_\_\_  
 Drawn \_\_\_\_\_  
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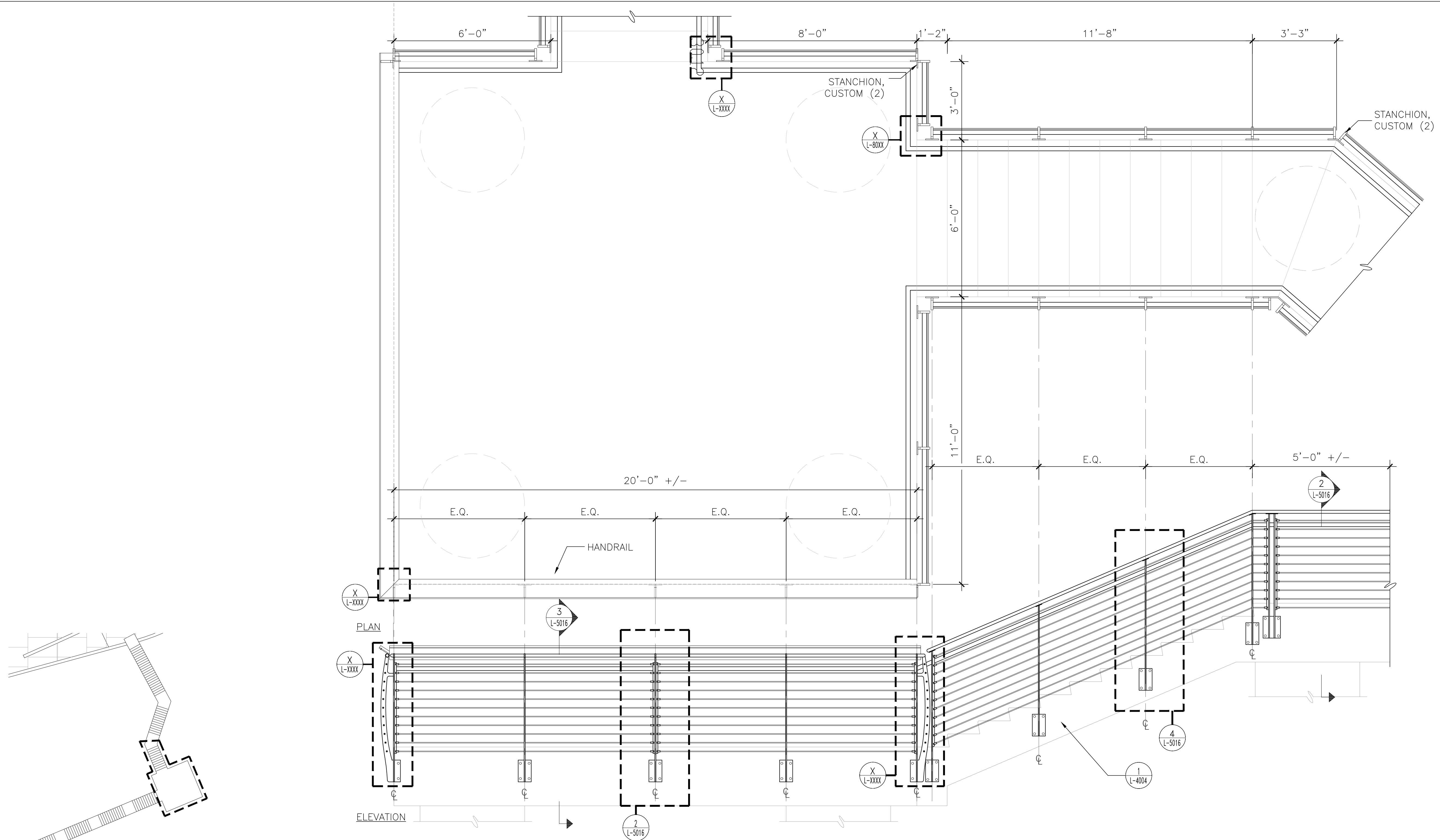
Proj. Mgr. \_\_\_\_\_  
 Proj. Engr. \_\_\_\_\_  
 Approved \_\_\_\_\_  
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Contract No <b>WW-662</b>	Drawing Title <b>DETAILS - GUARDRAIL</b>		Project No. PROJECT NO.
Elevation Datum XXXX	Drawing/File No	Revision No. 0	Scale: AS SHOWN



**1** HANDRAIL  
1/2" = 1'-0"

KEY: N.T.S.



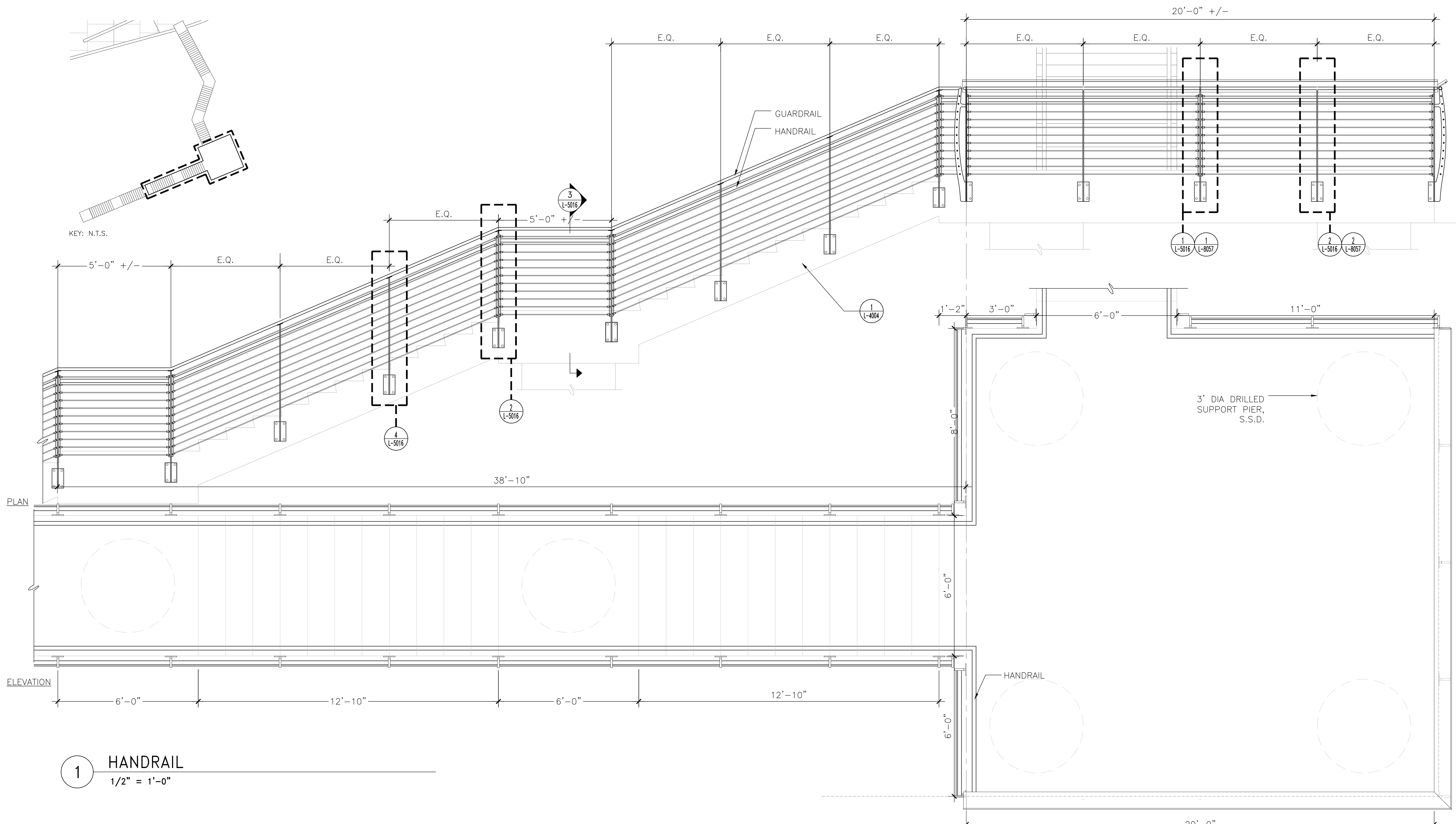
EMB Mgr. \_\_\_\_\_  
 WWE Engineering Mgr. \_\_\_\_\_  
 WWE O&M Mgr. \_\_\_\_\_  
 Section Mgr. \_\_\_\_\_  
 Designed \_\_\_\_\_  
 Drawn \_\_\_\_\_  
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Contract No. <b>WW-662</b>	Drawing Title <b>DETAILS - GUARDRAIL</b>		Project No. PROJECT NO.
Elevation Datum XXXX	Drawing/File No	Revision No. 0	Scale: AS SHOWN



1 HANDRAIL  
1/2" = 1'-0"


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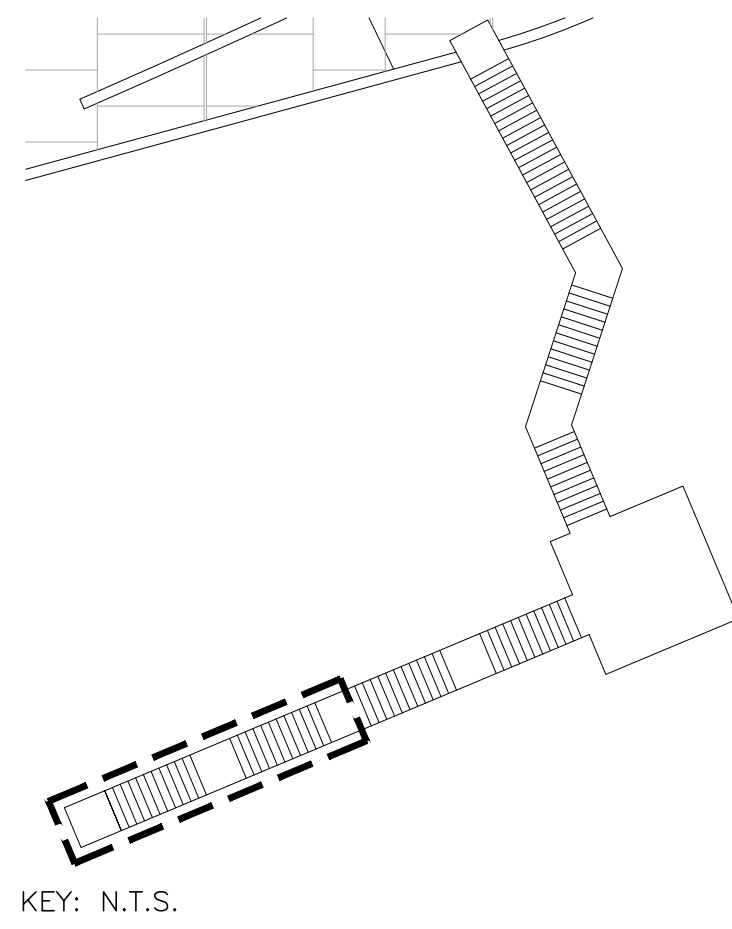
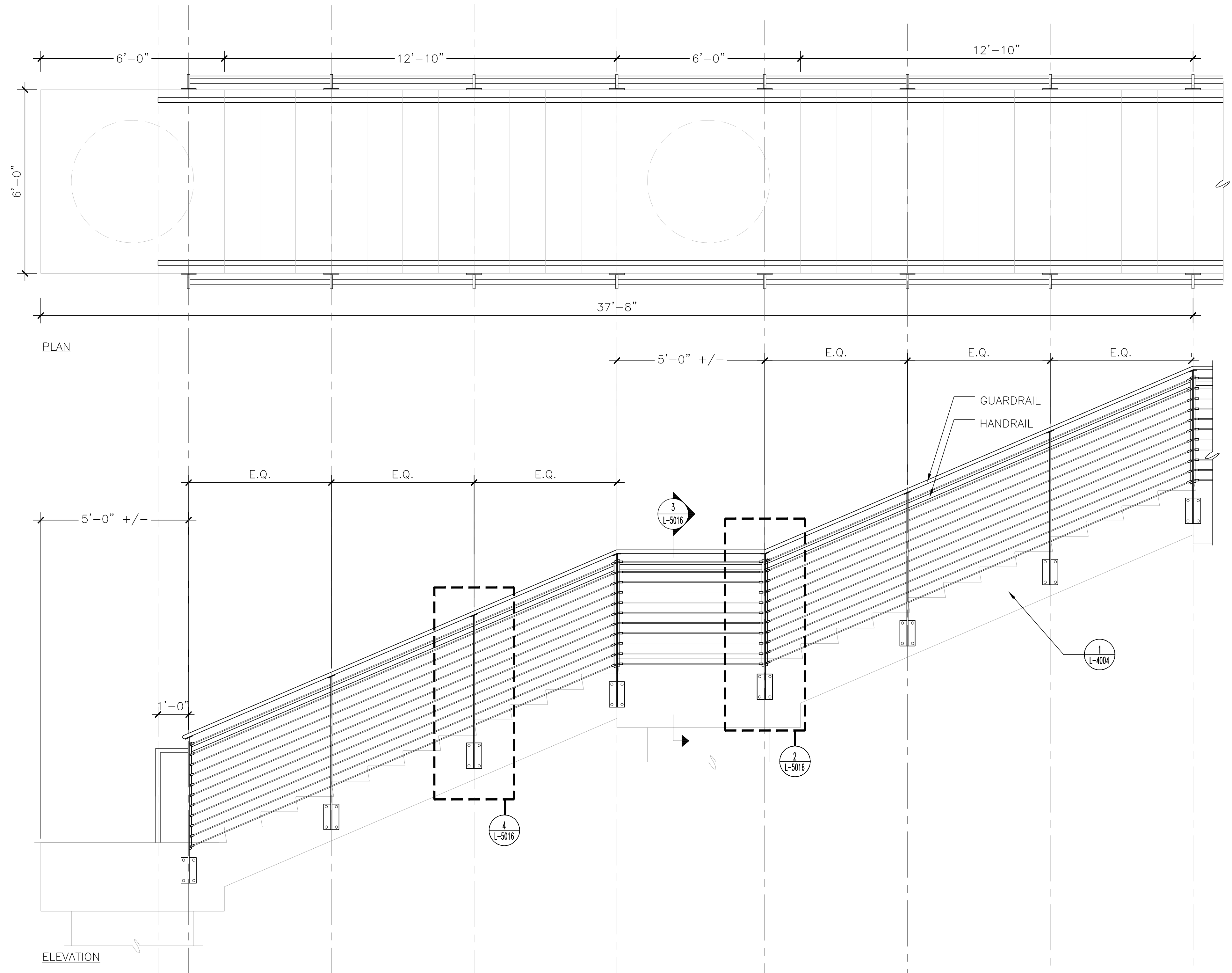
EMB Mgr. \_\_\_\_\_  
 WWI Engineering Mgr. \_\_\_\_\_  
 WWI O&M Mgr. \_\_\_\_\_  
 Section Mgr. \_\_\_\_\_  
 Designed \_\_\_\_\_  
 Drawn \_\_\_\_\_  
 Checked/Approved \_\_\_\_\_

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 Proj. Engr. \_\_\_\_\_  
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 Drawn \_\_\_\_\_  
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1 HANDRAIL  
1/2" = 1'-0"



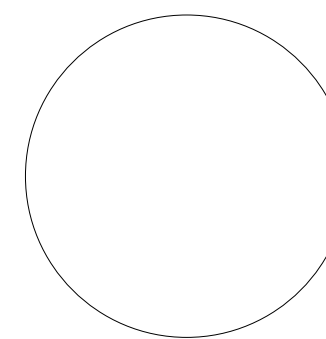
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EMB Mgr. \_\_\_\_\_  
WWE Engineering Mgr. \_\_\_\_\_  
WWE O&M Mgr. \_\_\_\_\_  
Section Mgr. \_\_\_\_\_  
Designed \_\_\_\_\_  
Drawn \_\_\_\_\_  
Checked/Approved \_\_\_\_\_



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415-543-8202

Proj. Mgr. \_\_\_\_\_  
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Project  
OCEAN BEACH CLIMATE CHANGE ADAPTATION  
PROJECT - LONG TERM IMPROVEMENTS

Drawing Title  
DETAILS - GUARDRAIL

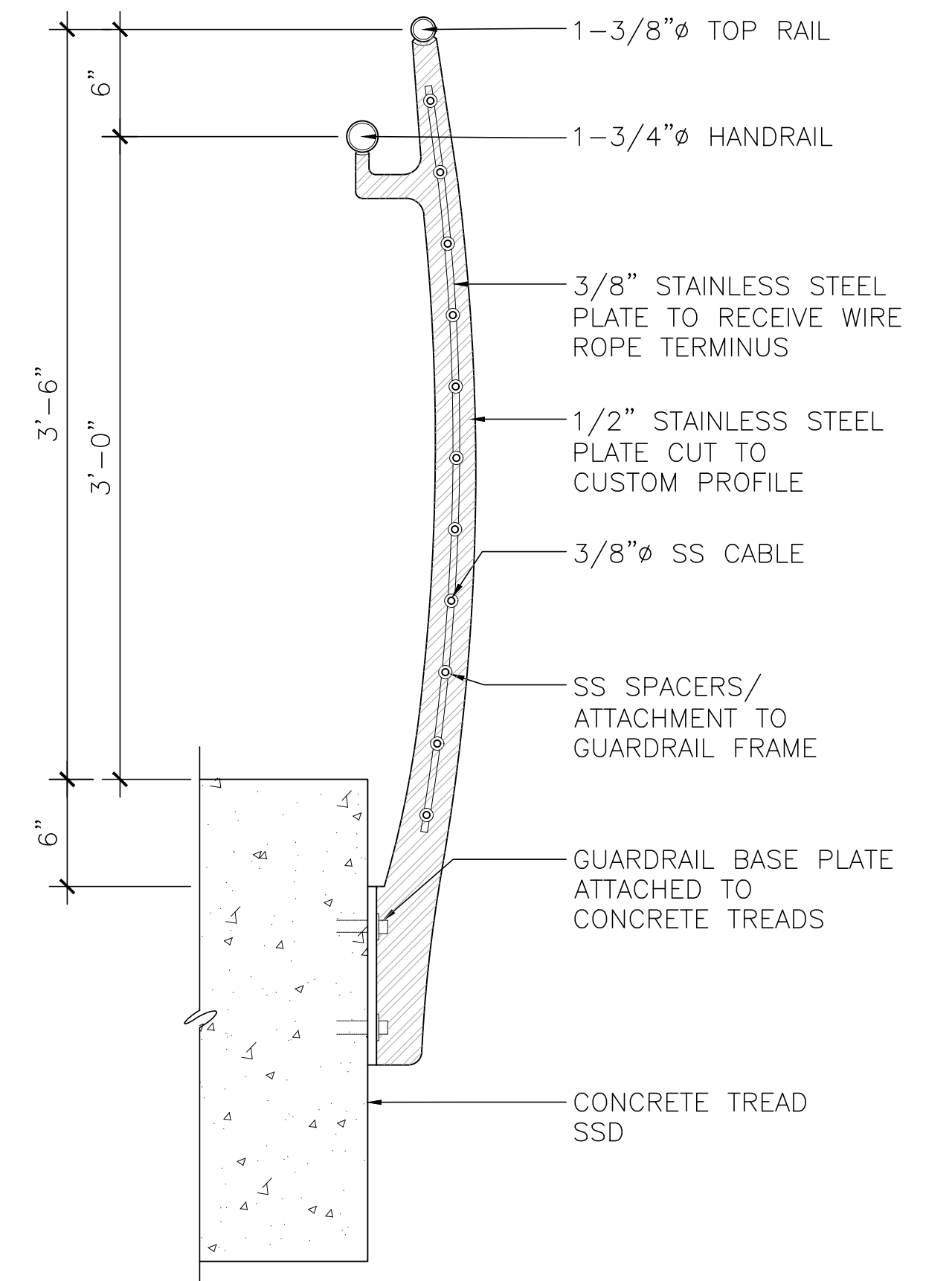
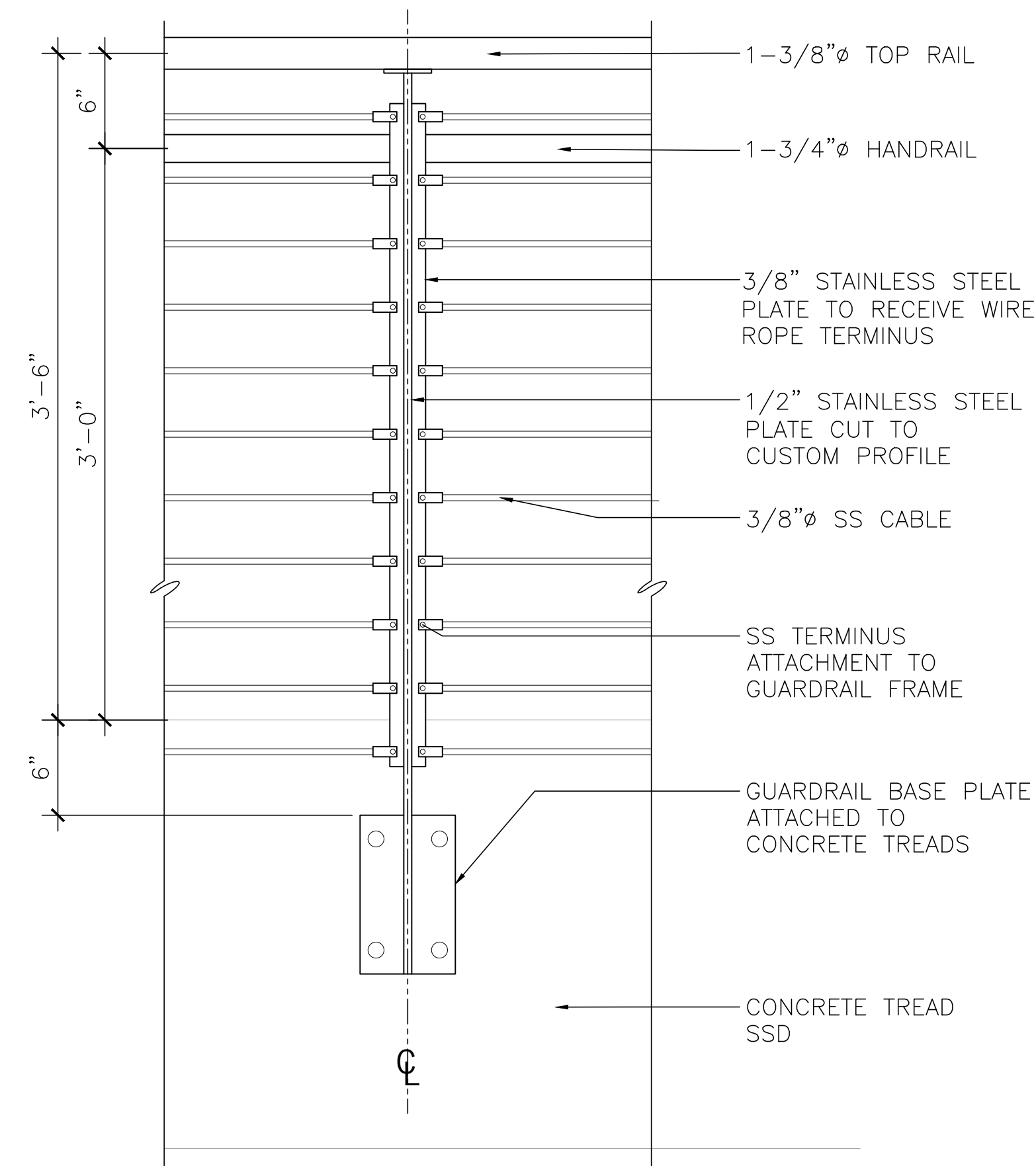
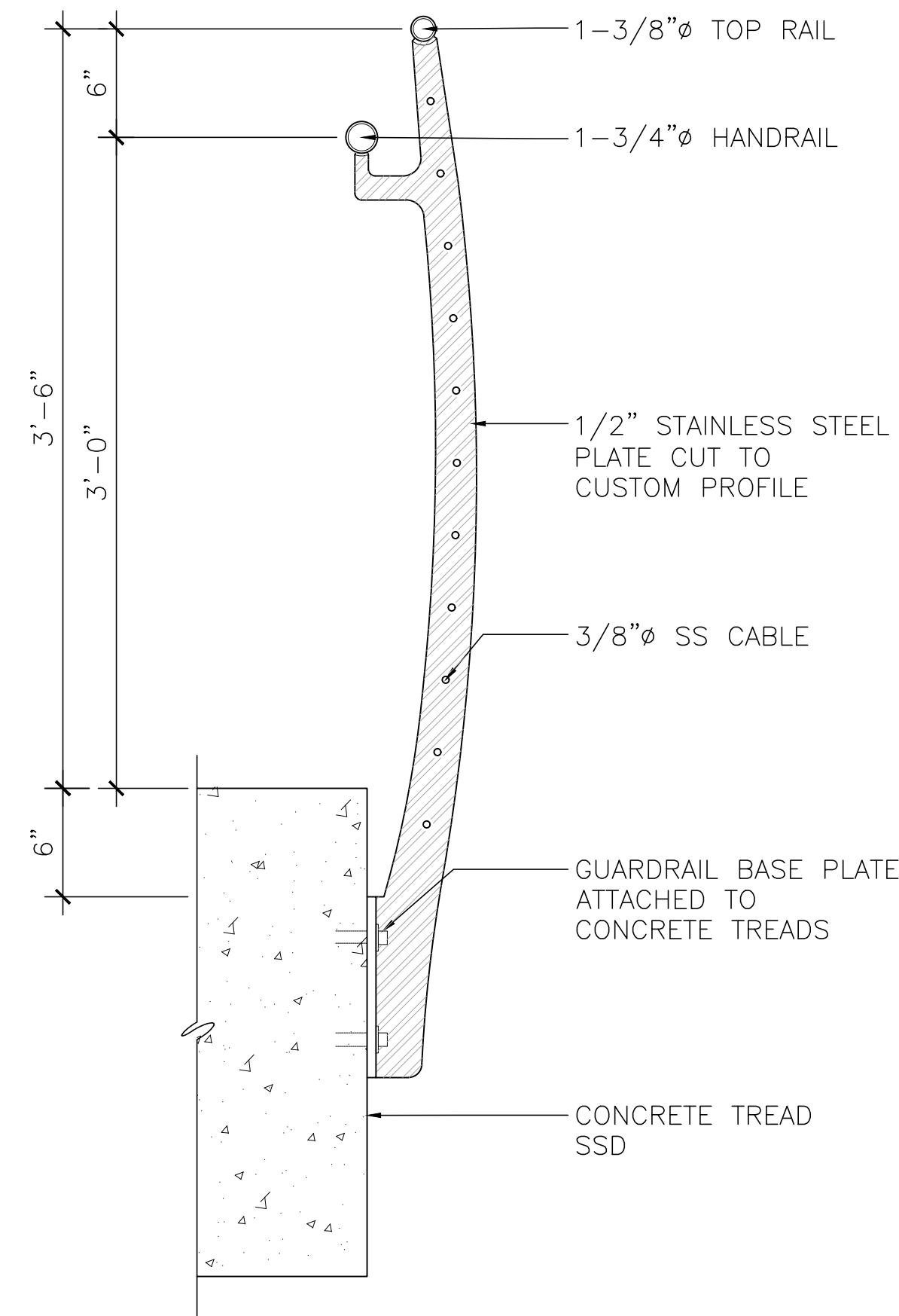
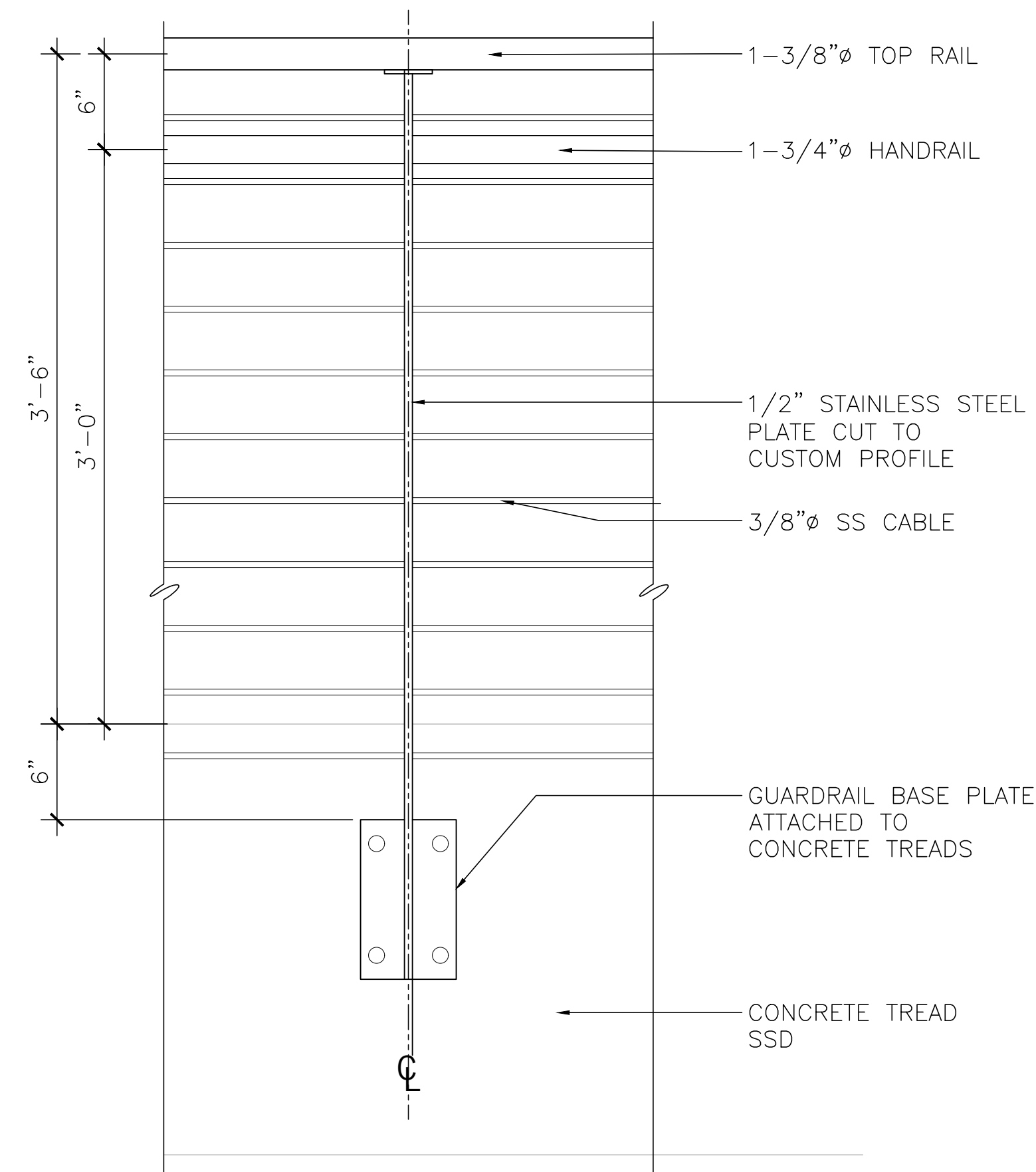
Drawing/File No

Revision No. 0

Plan No.  
L-5015

Project No.  
PROJECT NO.

Scale: AS SHOWN



4 GUARDRAIL CONDITION 2 ELEVATION  
1 1/2" = 1'-0"

3 GUARDRAIL CONDITION 2 SECTION  
1 1/2" = 1'-0"

2 GUARDRAIL CONDITION 1 ELEVATION  
1 1/2" = 1'-0"

1 GUARDRAIL CONDITION 1 SECTION  
1 1/2" = 1'-0"

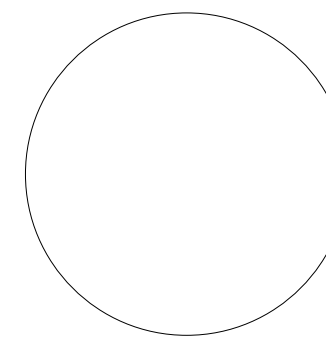


EMB Mgr. \_\_\_\_\_  
 WVE Engineering Mgr. \_\_\_\_\_  
 WVE O&M Mgr. \_\_\_\_\_  
 Section Mgr. \_\_\_\_\_  
 Designed \_\_\_\_\_  
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Project  
**OCEAN BEACH CLIMATE CHANGE ADAPTATION PROJECT - LONG TERM IMPROVEMENTS**

Drawing Title  
**DETAILS - GUARDRAIL**

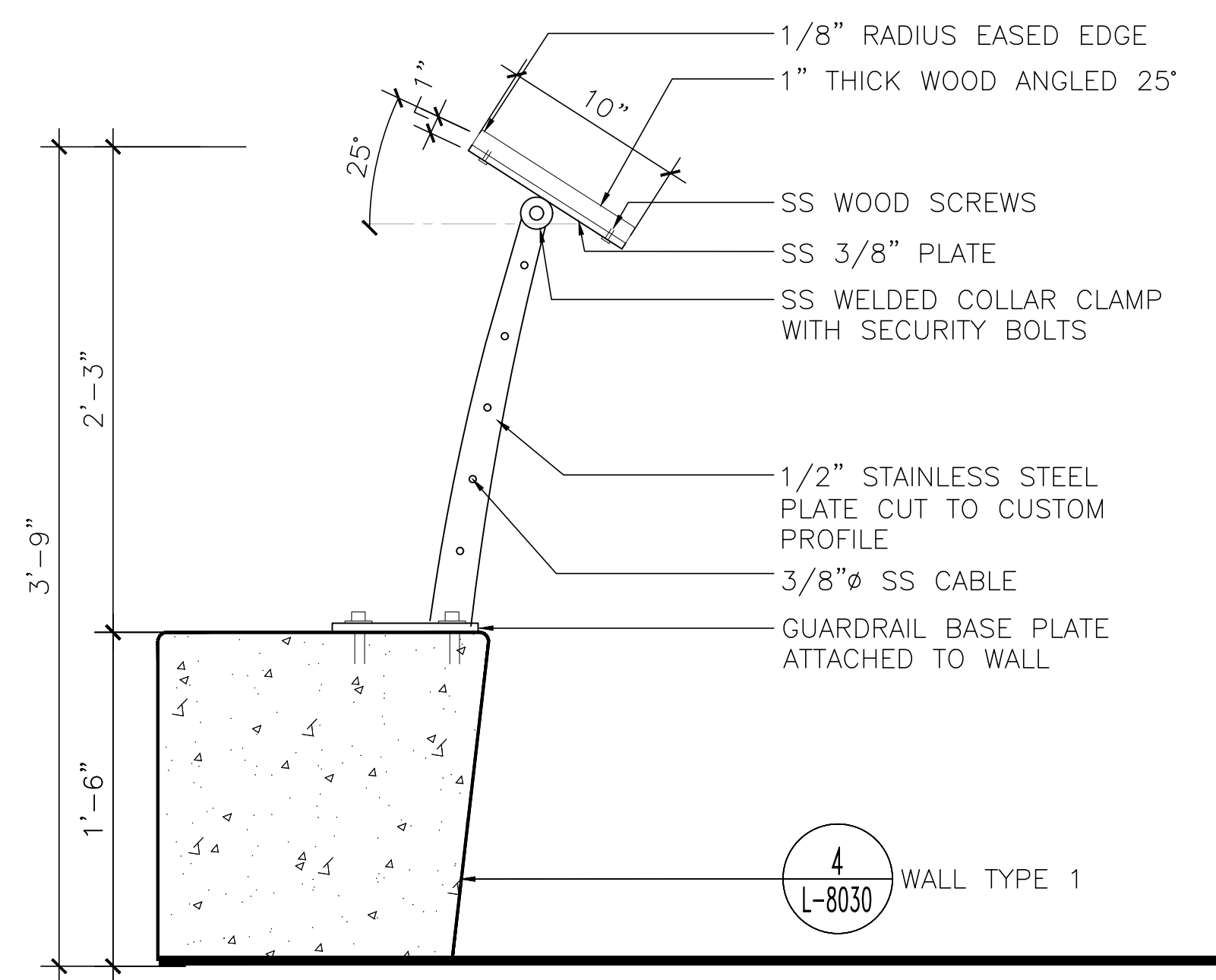
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Revision No. 0

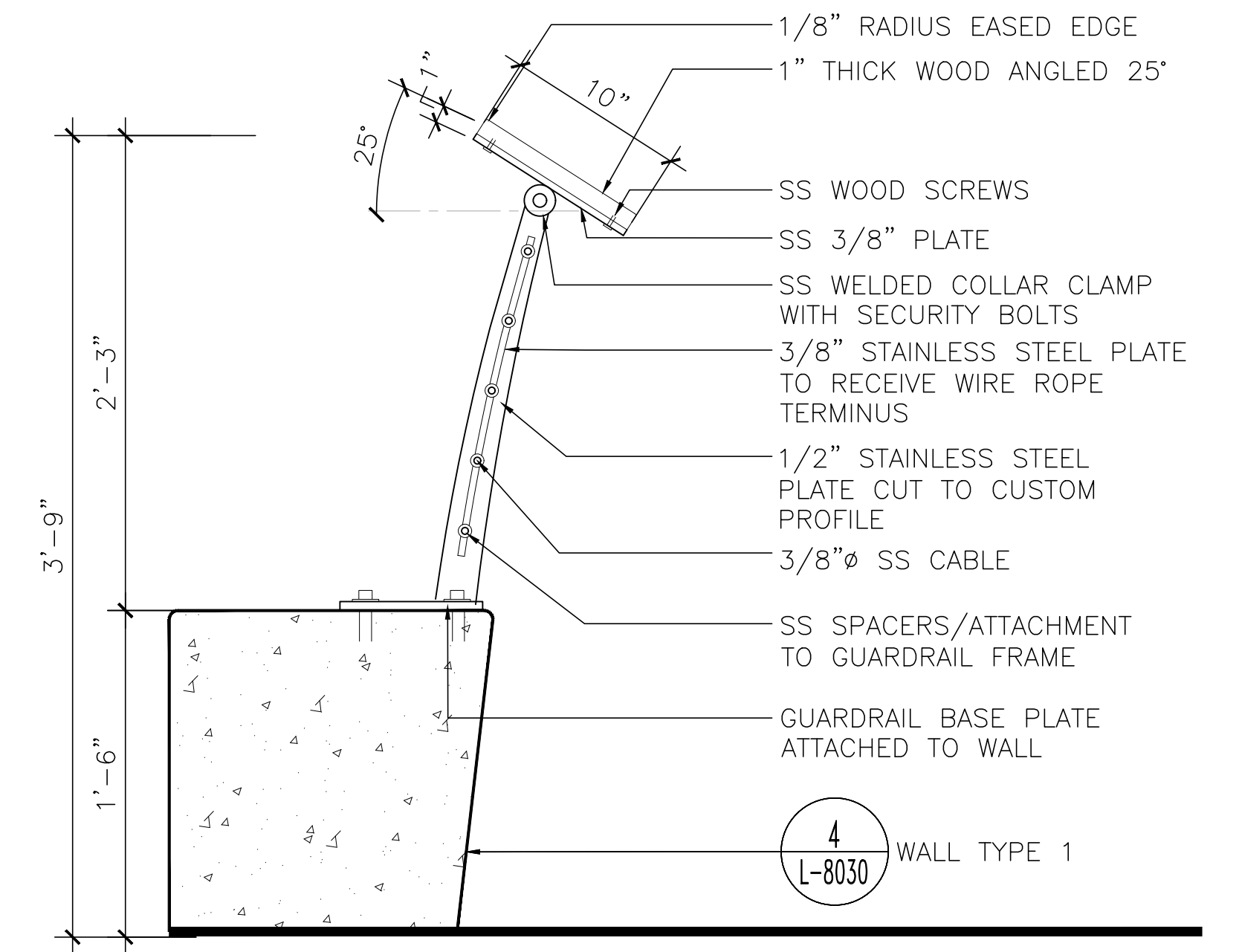
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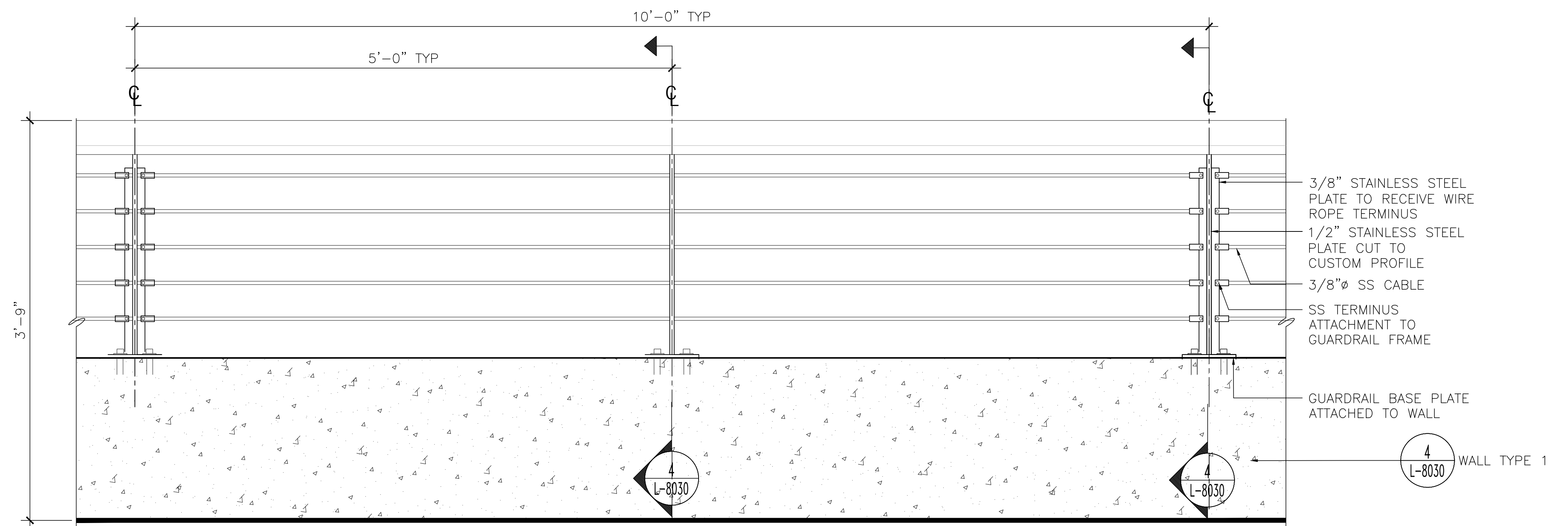
Scale: AS SHOWN



2 GUARDRAIL AT BEACH ACCESS CONDITION 2  
1 1/2" = 1'-0"



1 GUARDRAIL AT BEACH ACCESS CONDITION 1  
1 1/2" = 1'-0"



3 GUARDRAIL AT BEACH ACCESS ELEVATION  
1 1/2" = 1'-0"



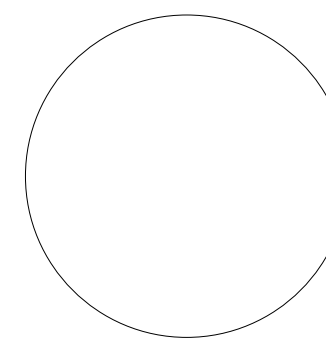
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ENGINEERING MANAGEMENT BUREAU

EMB Mgr. \_\_\_\_\_  
WWE Engineering Mgr. \_\_\_\_\_  
WWE O&M Mgr. \_\_\_\_\_  
Section Mgr. \_\_\_\_\_  
Designed \_\_\_\_\_  
Drawn \_\_\_\_\_  
Checked/Approved \_\_\_\_\_



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Proj. Engr. \_\_\_\_\_  
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WW-662

Elevation Datum  
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Project  
OCEAN BEACH CLIMATE CHANGE ADAPTATION  
PROJECT - LONG TERM IMPROVEMENTS

Drawing Title  
DETAILS - GUARDRAIL

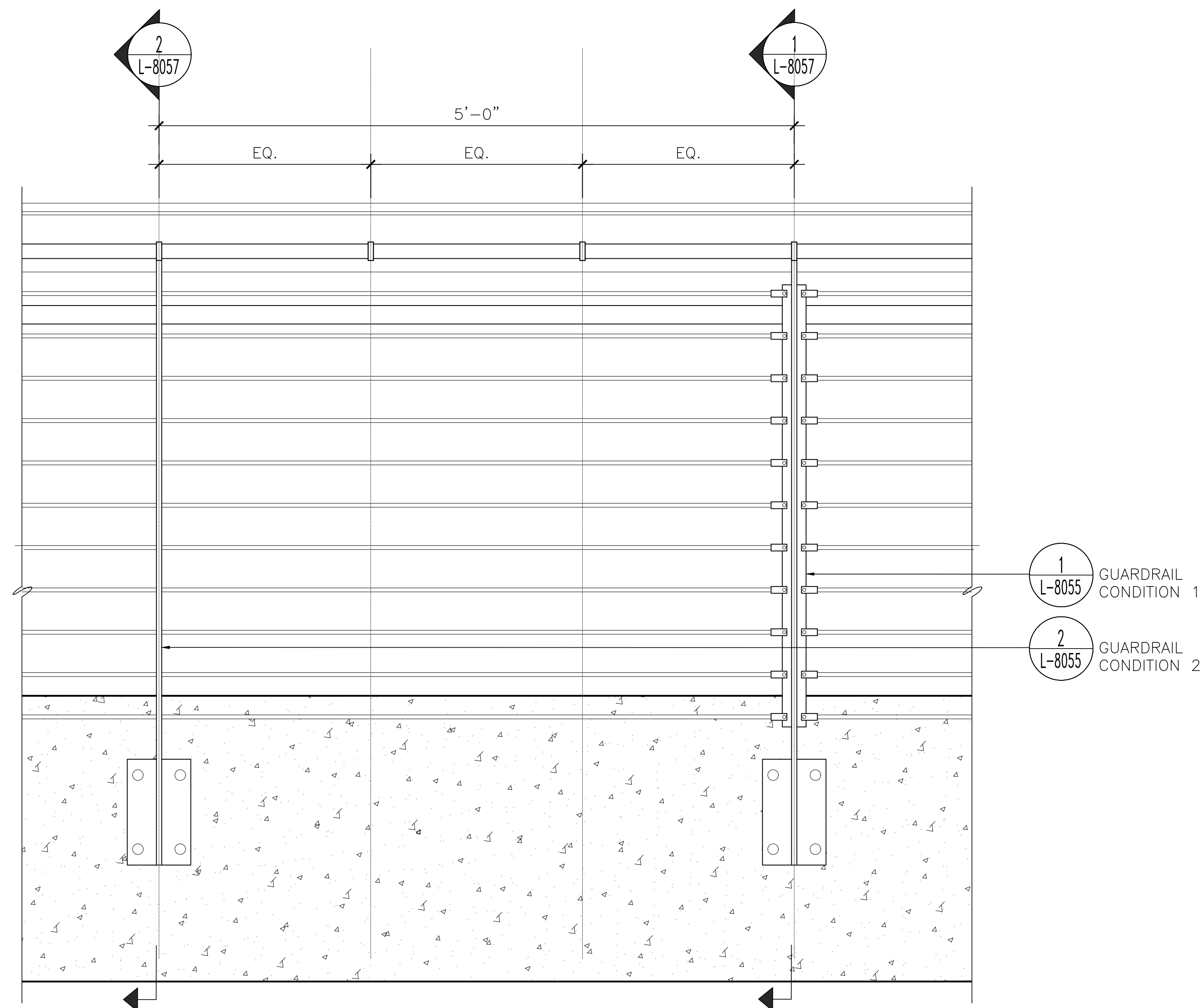
Drawing/File No

Revision No. 0

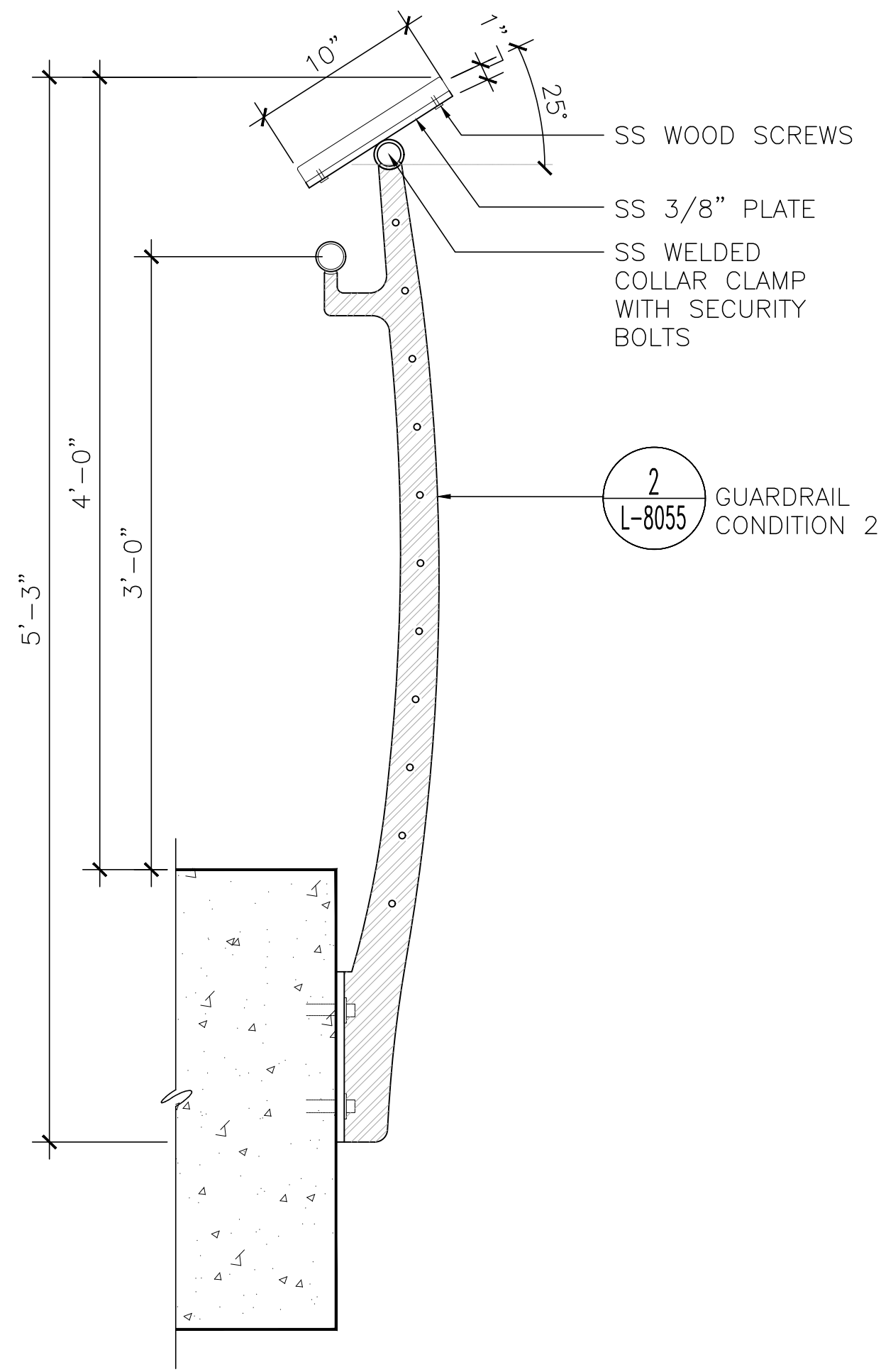
Plan No.  
L-5017

Project No.  
PROJECT NO.

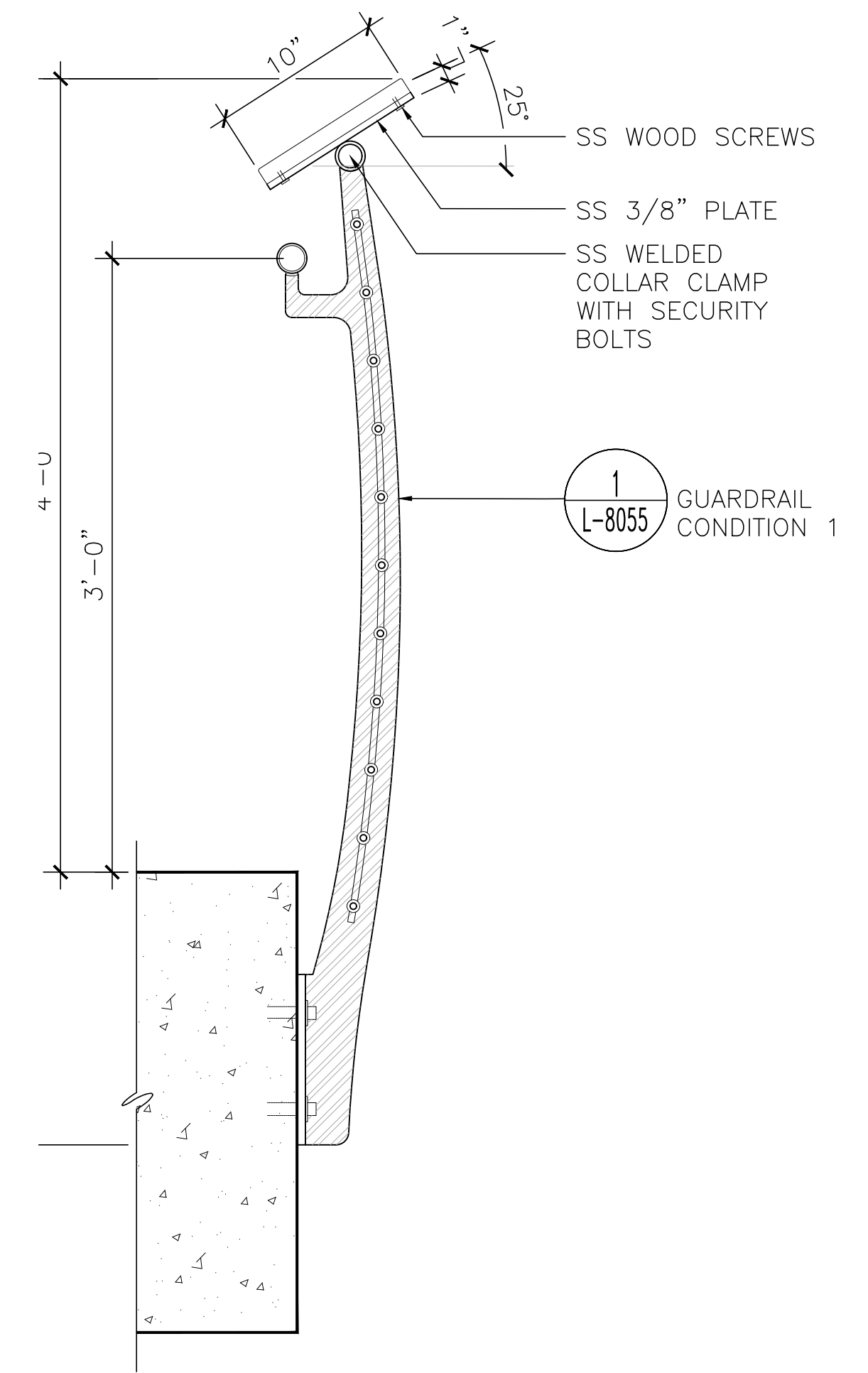
Scale: AS SHOWN



3 GUARDRAIL AT OVERLOOK ELEVATION  
1 1/2" = 1'-0"



2 GUARDRAIL CONDITION 2 AT OVERLOOK  
1 1/2" = 1'-0"



1 GUARDRAIL CONDITION 1 AT OVERLOOK  
1 1/2" = 1'-0"



EMB Mgr. \_\_\_\_\_  
 WWE Engineering Mgr. \_\_\_\_\_  
 WWE O&M Mgr. \_\_\_\_\_  
 Section Mgr. \_\_\_\_\_  
 Designed \_\_\_\_\_  
 Drawn \_\_\_\_\_  
 Checked/Approved \_\_\_\_\_



MUNDEN FRY LANDSCAPE ARCHITECTURE  
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 415-543-8202

Proj. Mgr. \_\_\_\_\_  
 Proj. Engr. \_\_\_\_\_  
 Approved \_\_\_\_\_  
 Designed \_\_\_\_\_  
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Contract No  
 WW-662

Elevation Datum  
 XXXX

Project  
 OCEAN BEACH CLIMATE CHANGE ADAPTATION PROJECT - LONG TERM IMPROVEMENTS

Drawing Title  
 DETAILS - GUARDRAIL

Drawing/File No

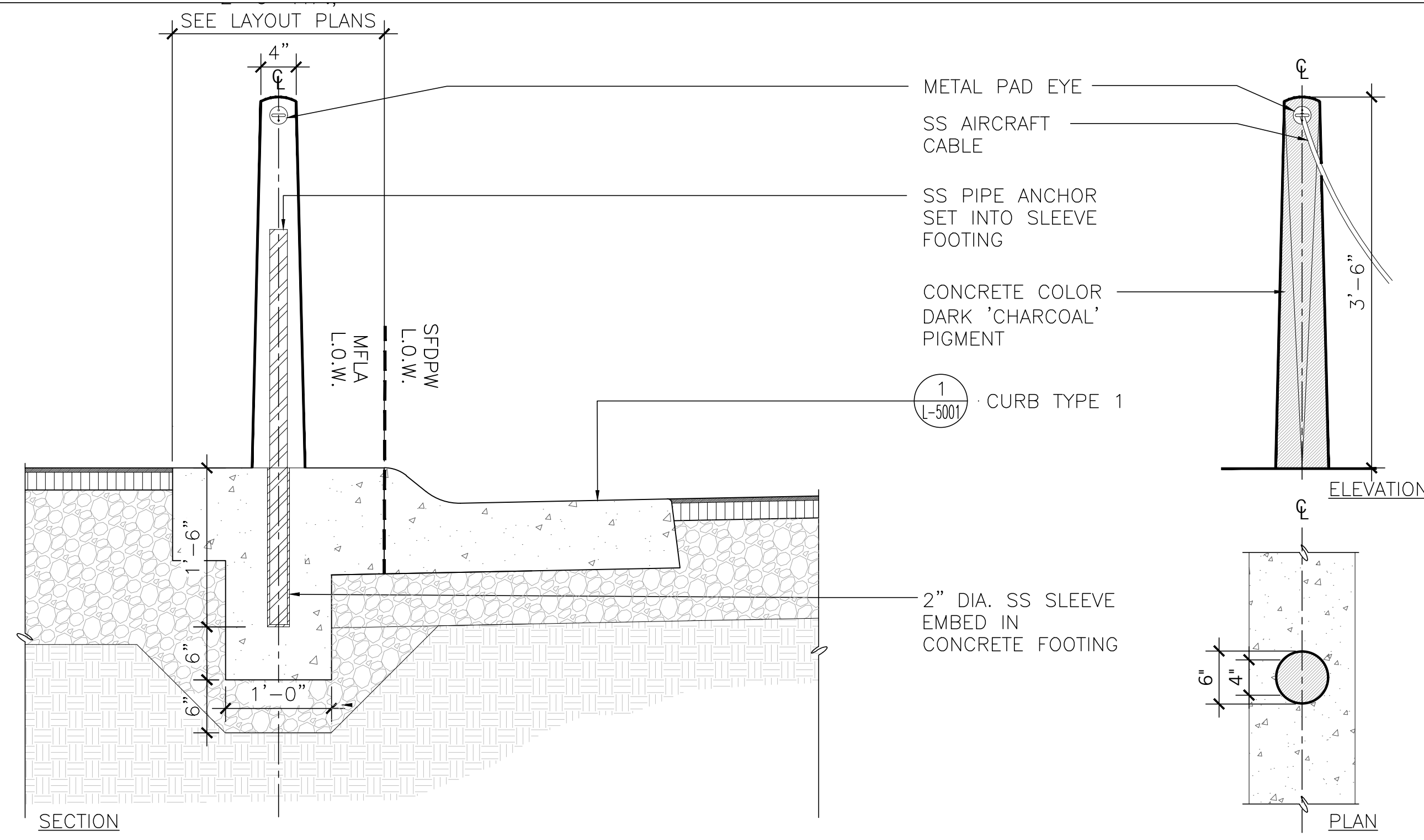
Revision No. 0

Plan No.  
 L-5018

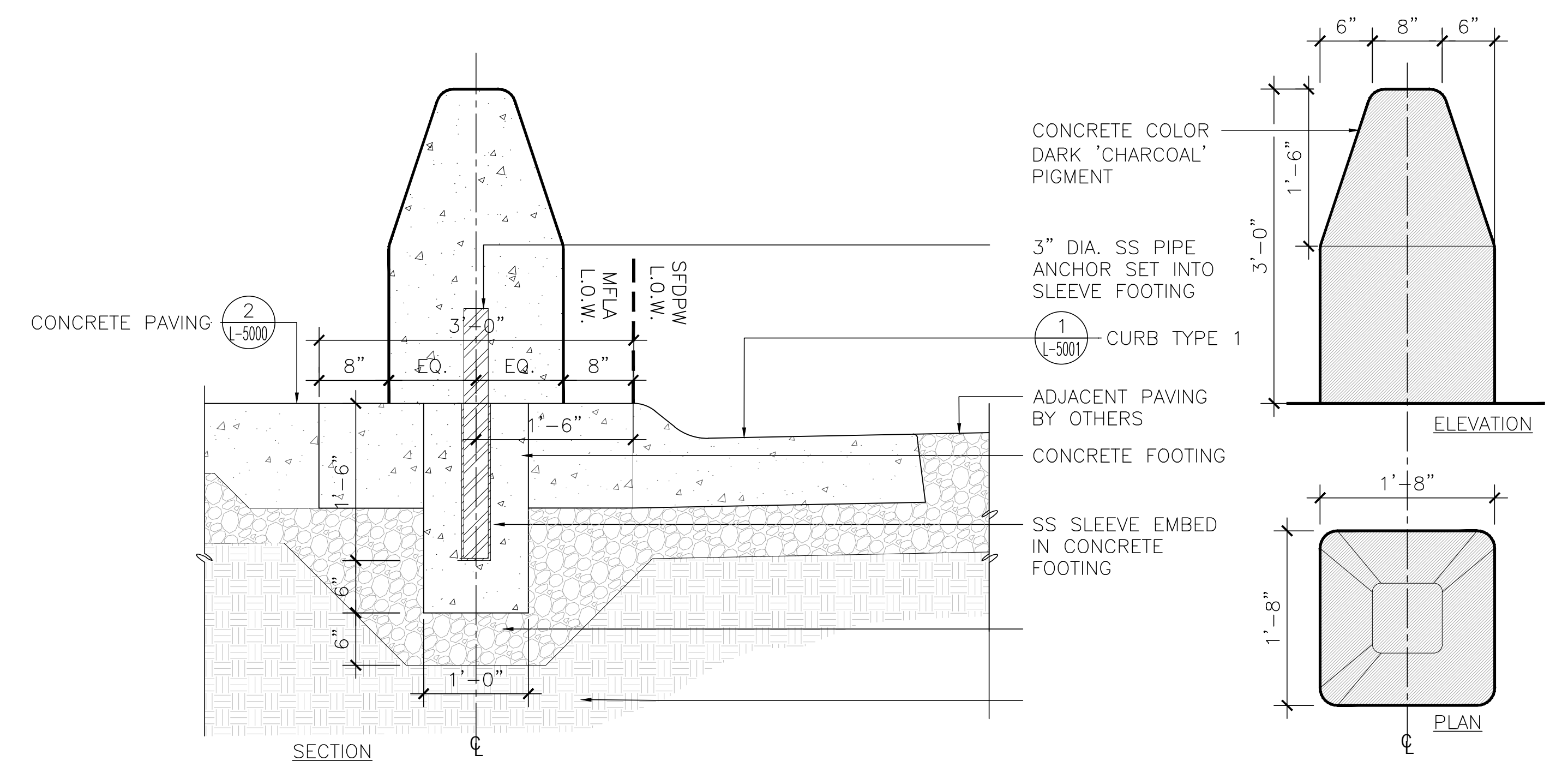
Project No.  
 PROJECT NO.

Scale: AS SHOWN

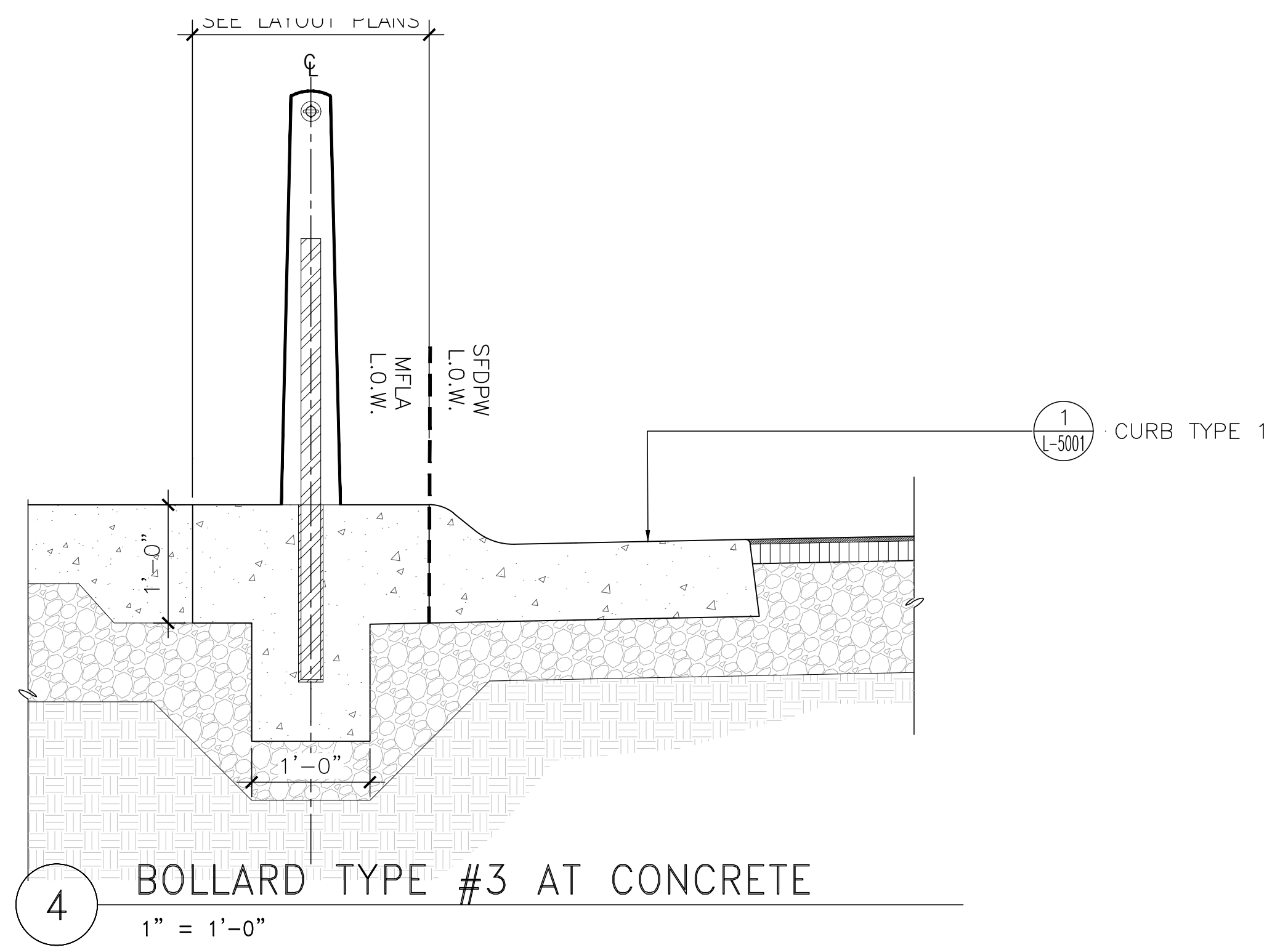




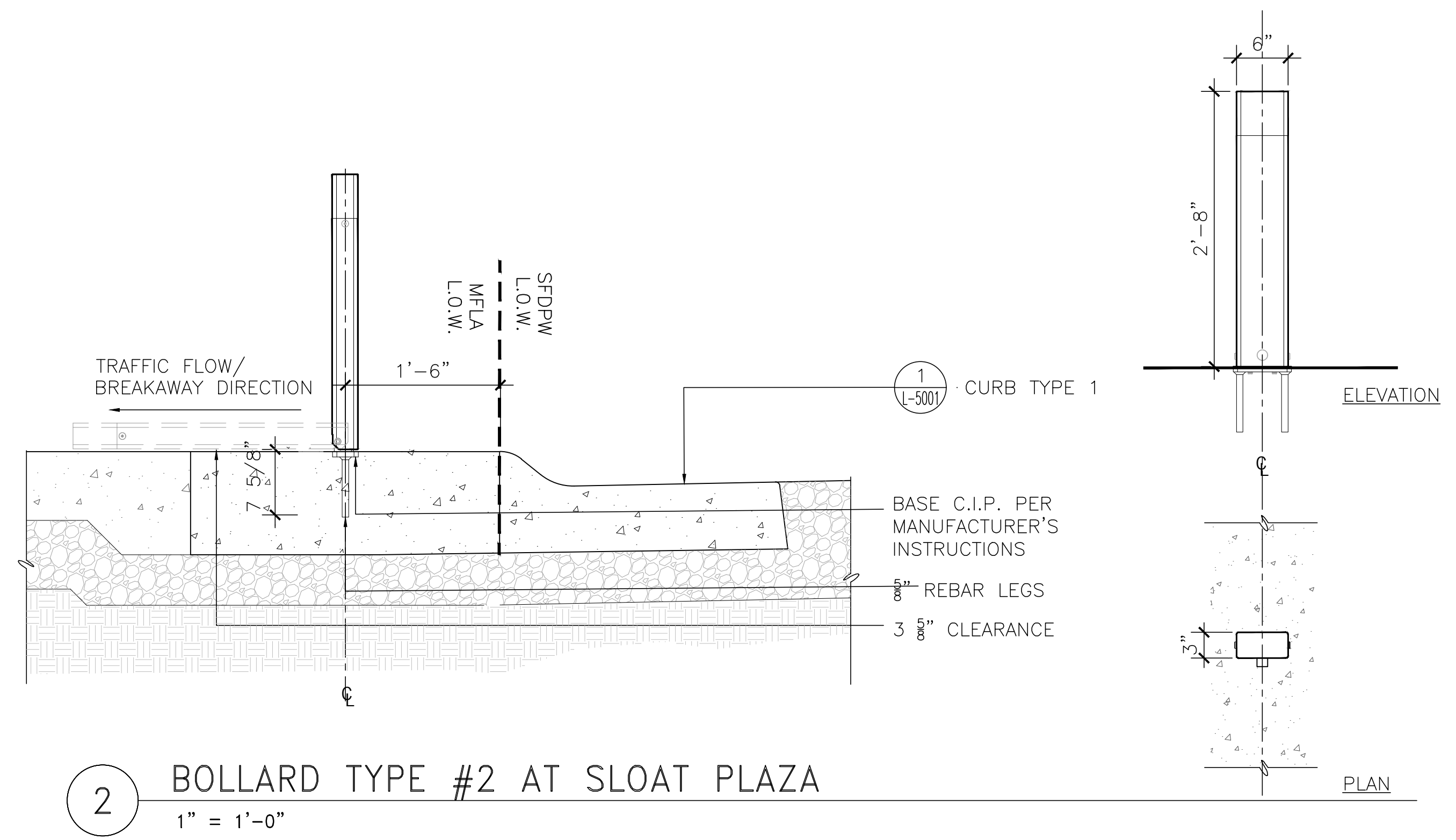
3 BOLLARD TYPE #3 A MULTI-USE TRAIL  
1" = 1'-0"



1 BOLLARD TYPE #1 AT SLOAT PLAZA  
1" = 1'-0"



4 BOLLARD TYPE #3 AT CONCRETE  
1" = 1'-0"



2 BOLLARD TYPE #2 AT SLOAT PLAZA  
1" = 1'-0"



EMB Mgr. \_\_\_\_\_  
 WVE Engineering Mgr. \_\_\_\_\_  
 WVE O&M Mgr. \_\_\_\_\_  
 Section Mgr. \_\_\_\_\_  
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 Drawn \_\_\_\_\_  
 Checked/Approved \_\_\_\_\_



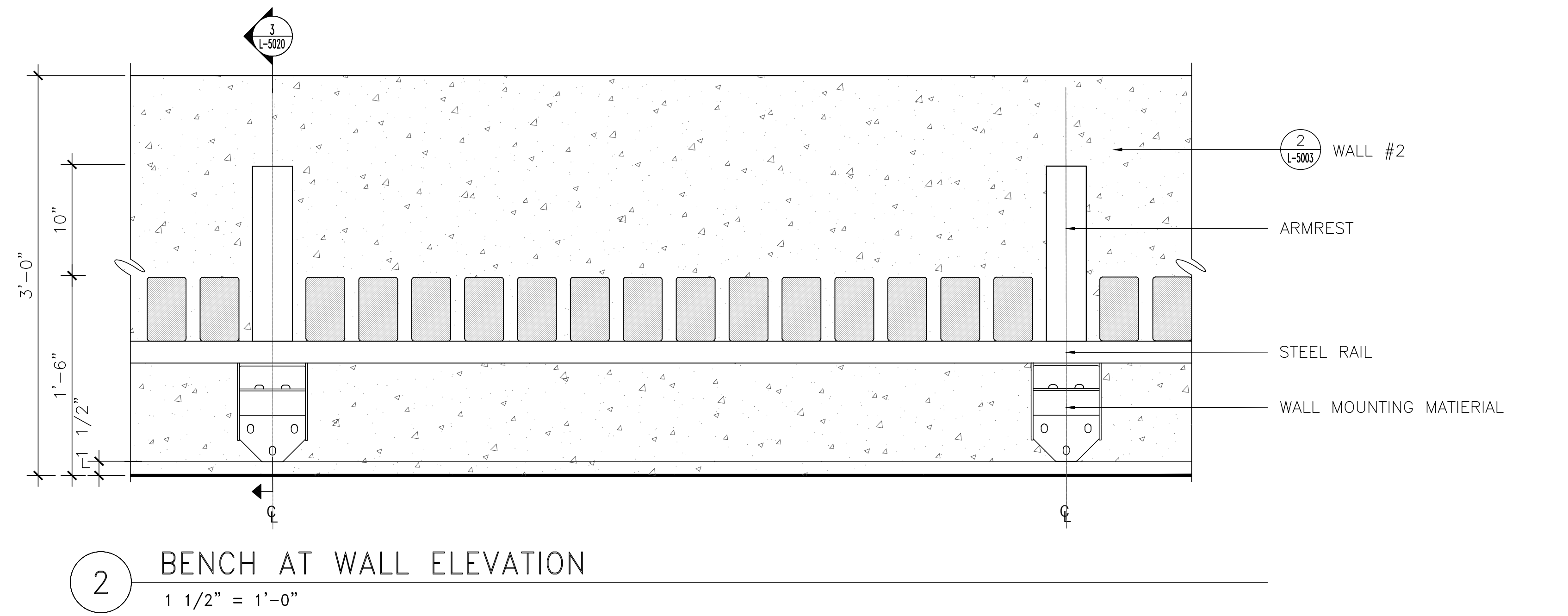
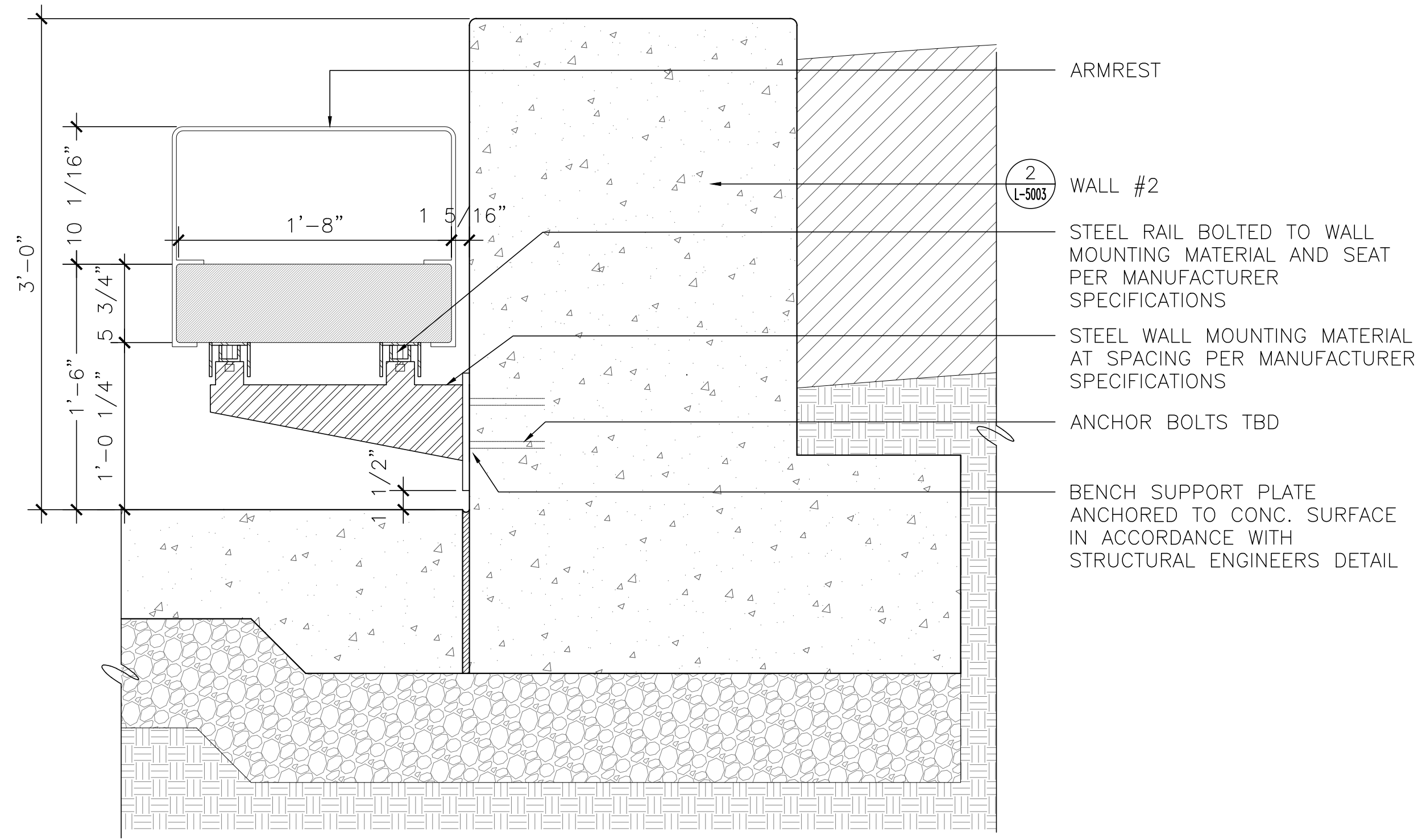
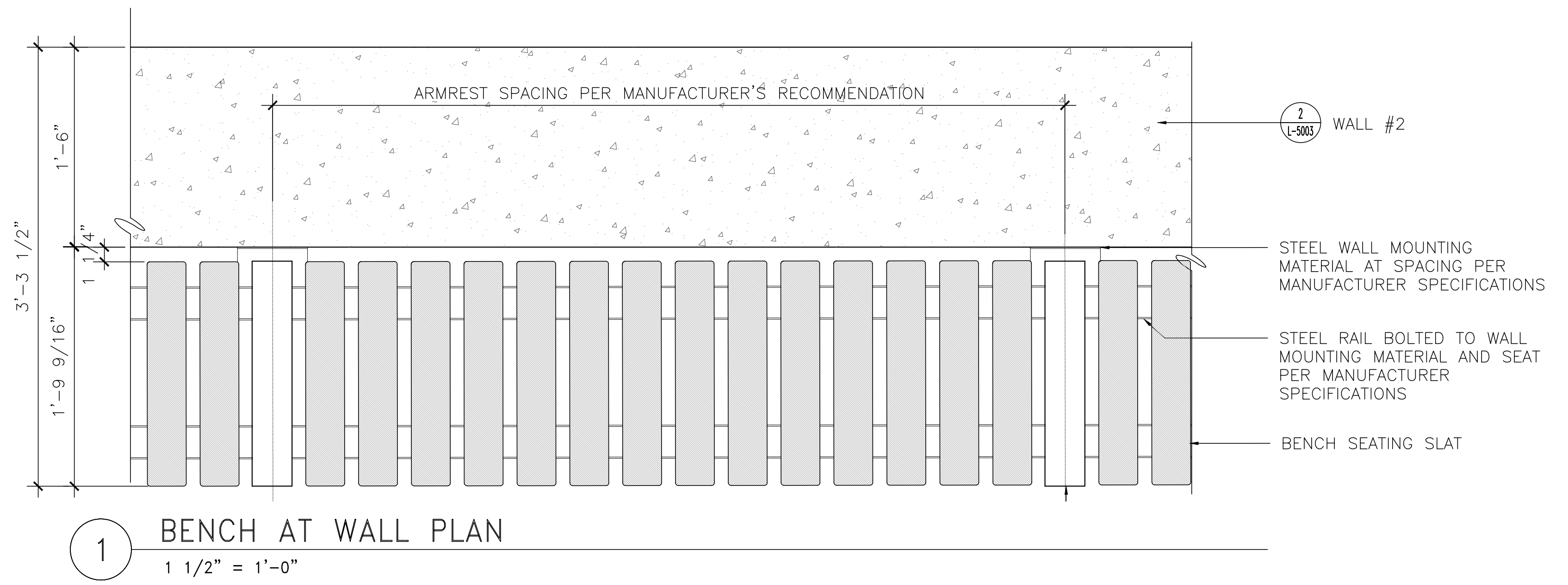
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Contract No. WW-662		OCEAN BEACH CLIMATE CHANGE ADAPTATION PROJECT - LONG TERM IMPROVEMENTS	L-5019
Elevation Datum XXXX		Drawing Title	Project No.
		DETAILS - FURNISHINGS	PROJECT NO.
		Drawing/File No	Scale: AS SHOWN
		Revision No. 0	

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 WW Engineering Mgr. \_\_\_\_\_  
 WW O&M Mgr. \_\_\_\_\_  
 Section Mgr. \_\_\_\_\_  
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 Checked/Approved \_\_\_\_\_

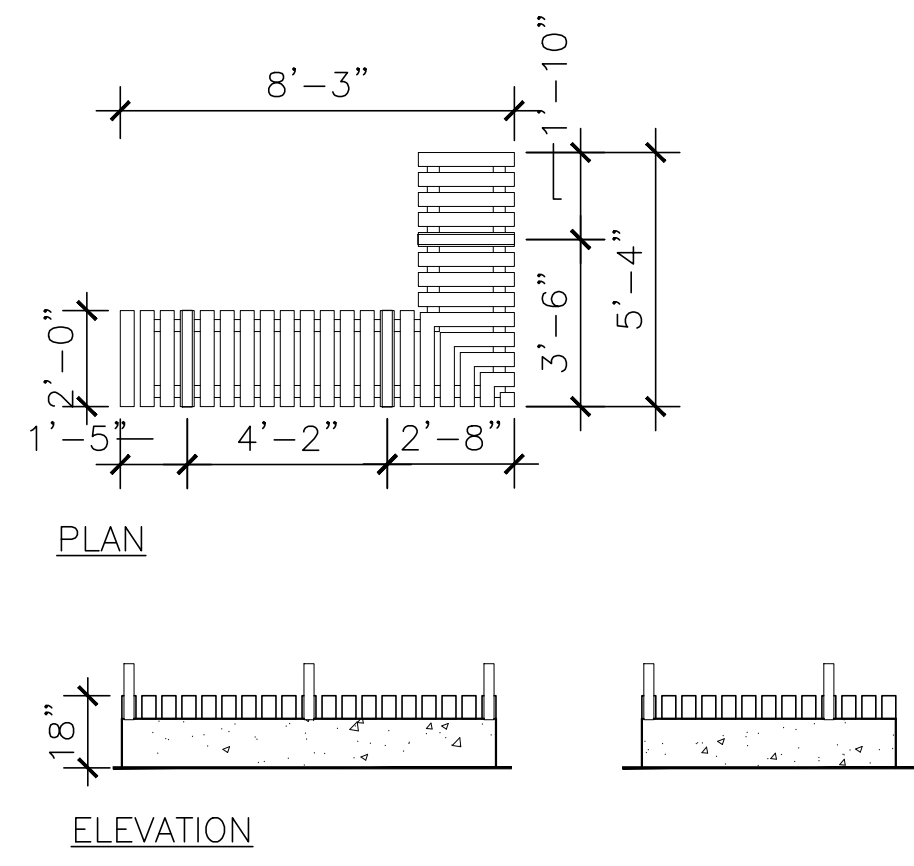
MUNDEN FRY LANDSCAPE ASSOCIATES  
**MFLA**  
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 Proj. Engr. \_\_\_\_\_  
 Approved \_\_\_\_\_  
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 Drawn \_\_\_\_\_  
 Checked by \_\_\_\_\_

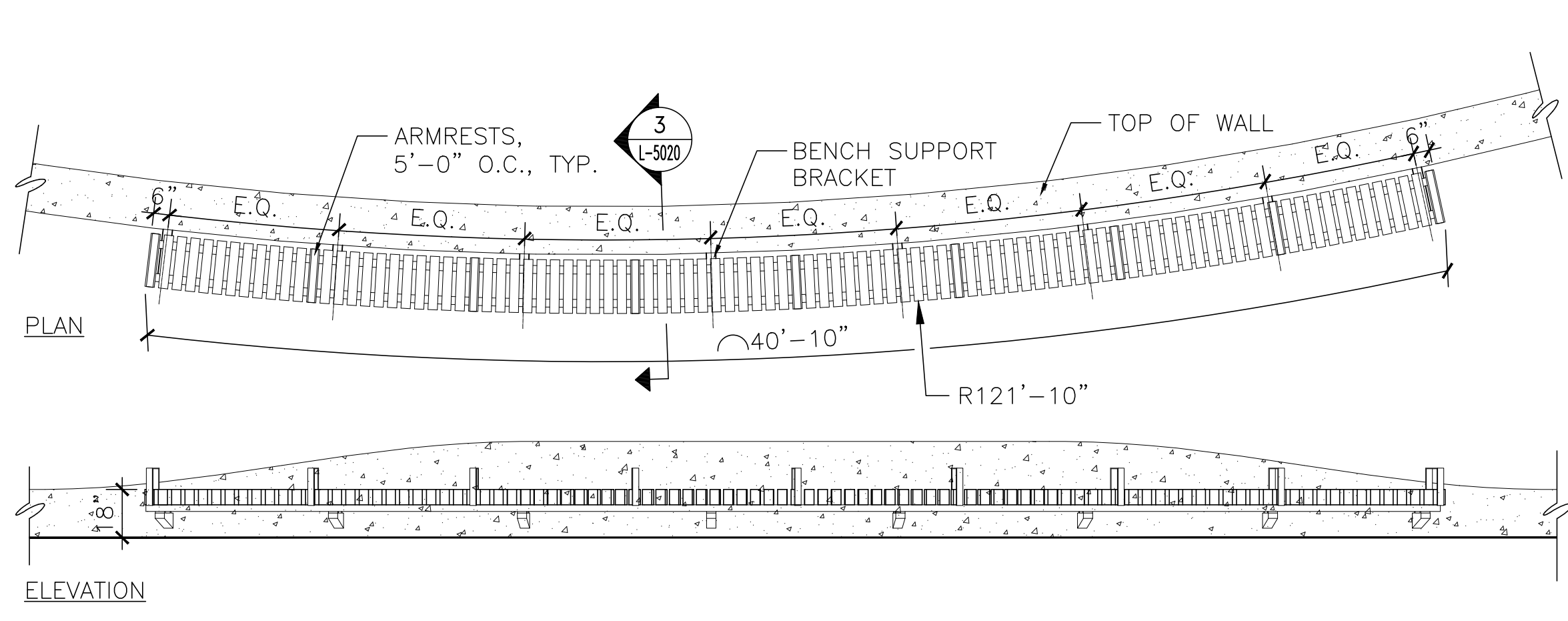
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No.	Date	Revisions

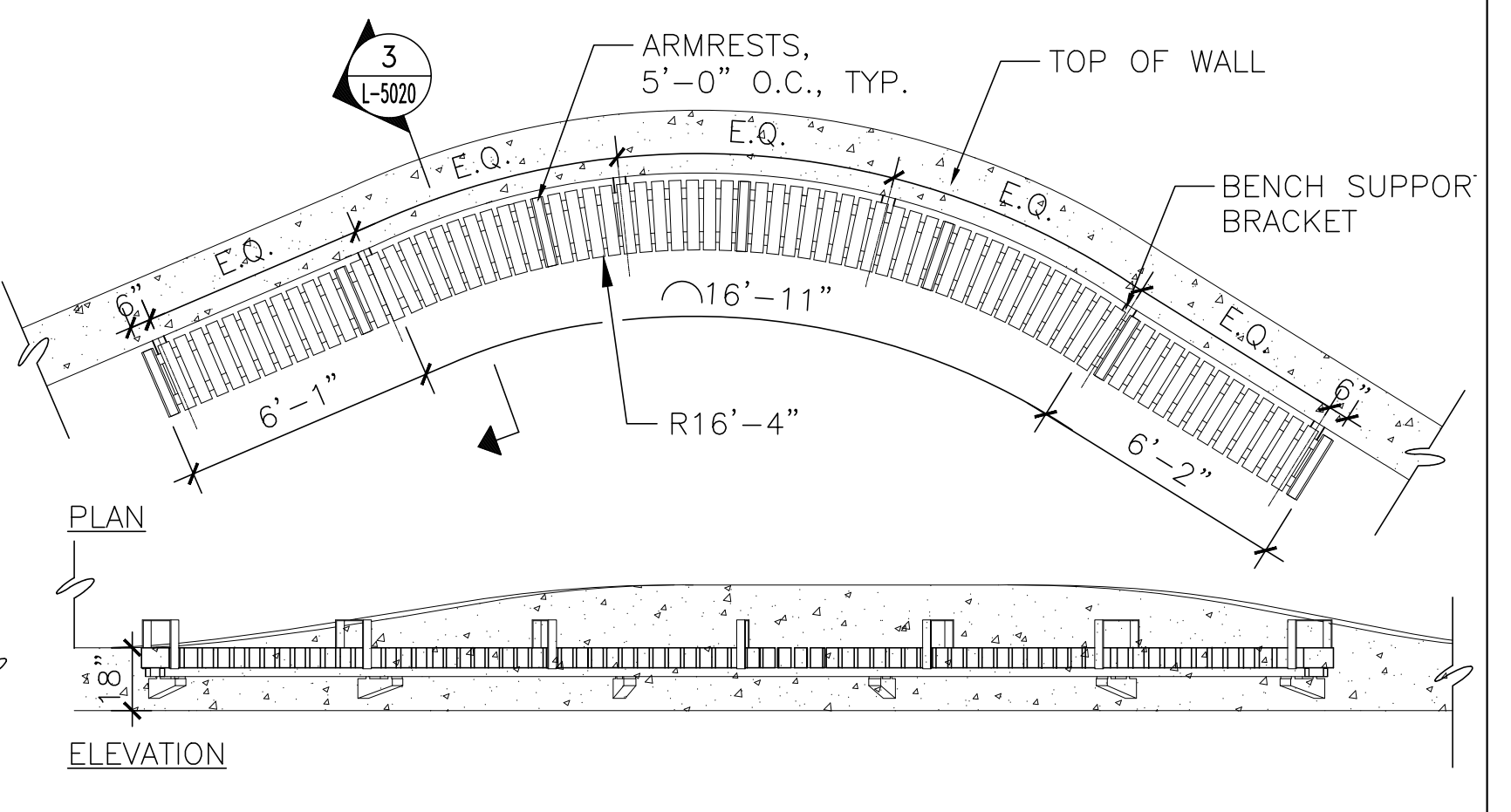
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Contract No. <b>WW-662</b>	Drawing Title <b>DETAILS - FURNISHINGS</b>		Project No. PROJECT NO.
Elevation Datum XXXX	Drawing/File No.	Revision No. 0	Scale: AS SHOWN



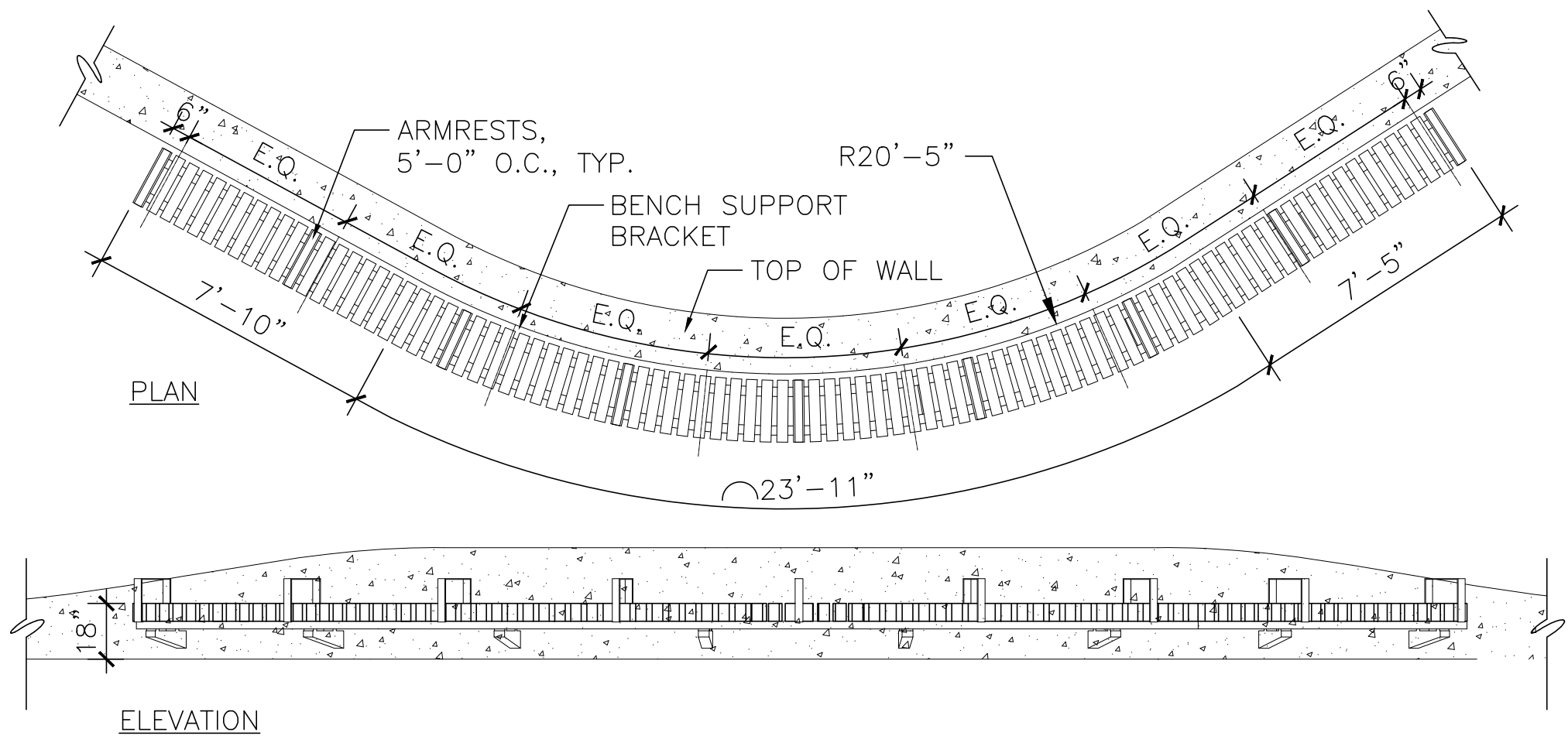
7 BENCH 7  
1/4" = 1'-0"



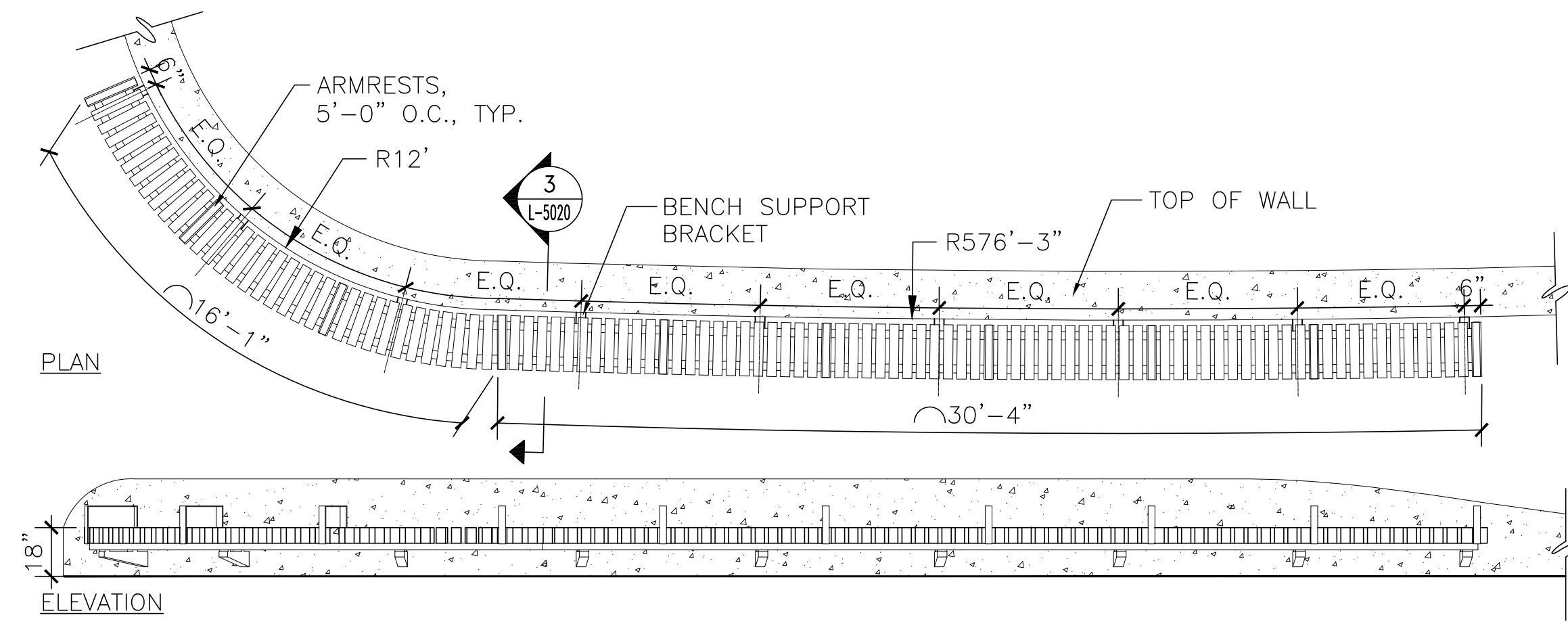
4 BENCH 4  
1/4" = 1'-0"



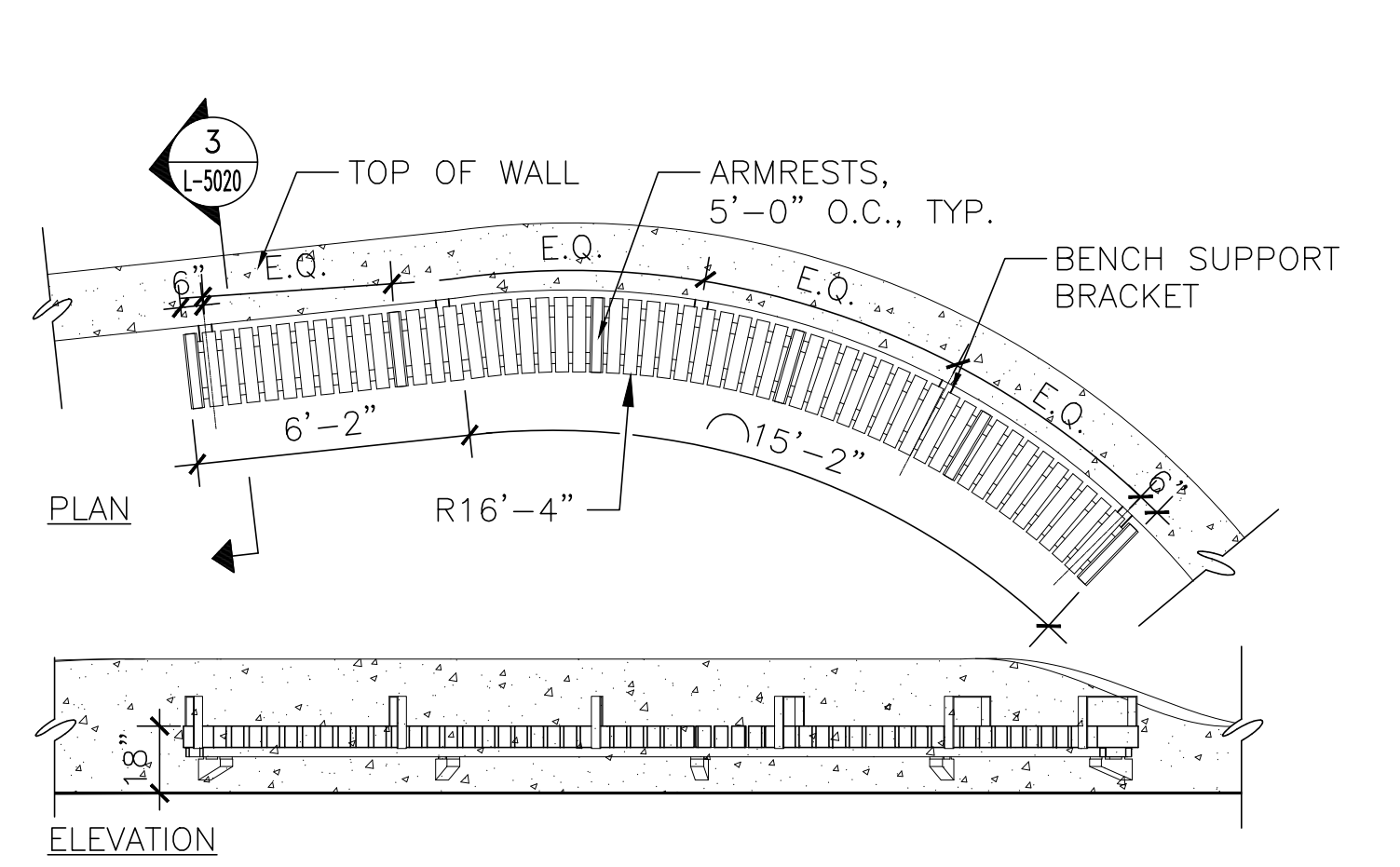
1 BENCH 1  
1/4" = 1'-0"



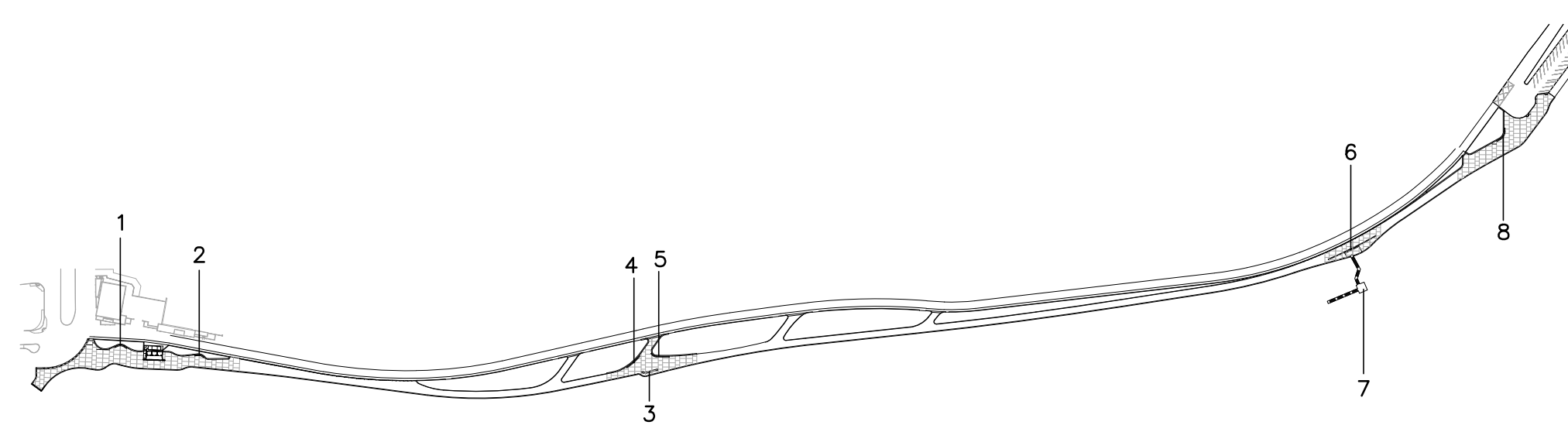
8 BENCH 8  
1/4" = 1'-0"



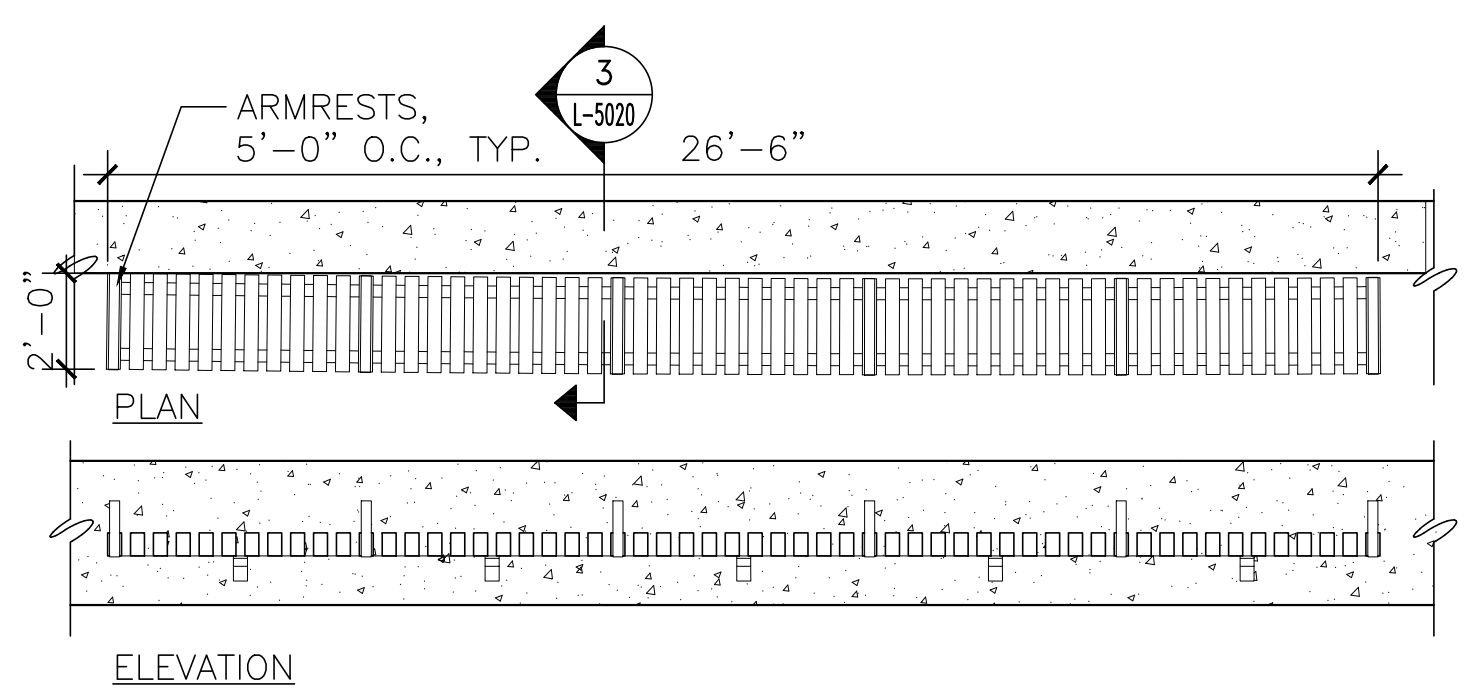
5 BENCH 5  
1/4" = 1'-0"



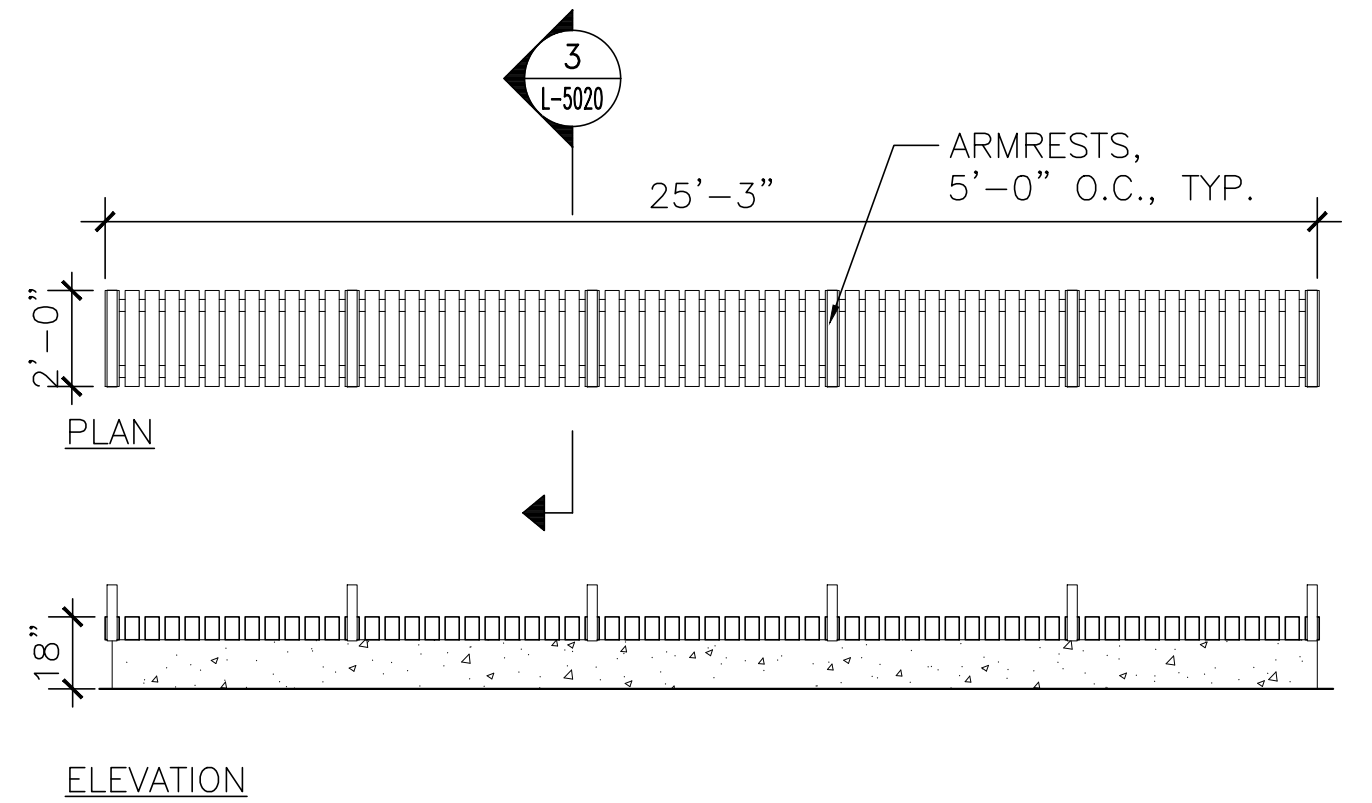
2 BENCH 2  
1/4" = 1'-0"



KEY: N.T.S.



6 BENCH 6  
1/4" = 1'-0"



3 BENCH 3  
1/4" = 1'-0"

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WWE O&M Mgr. \_\_\_\_\_  
Section Mgr. \_\_\_\_\_  
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Drawn \_\_\_\_\_  
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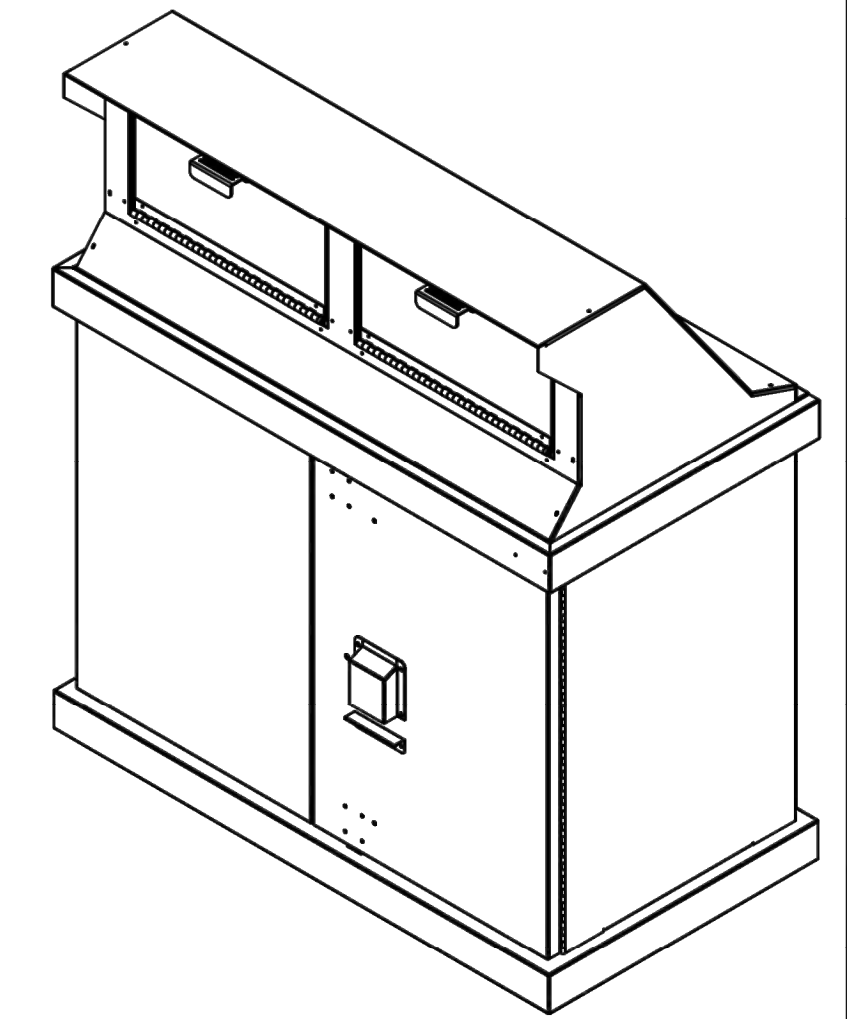
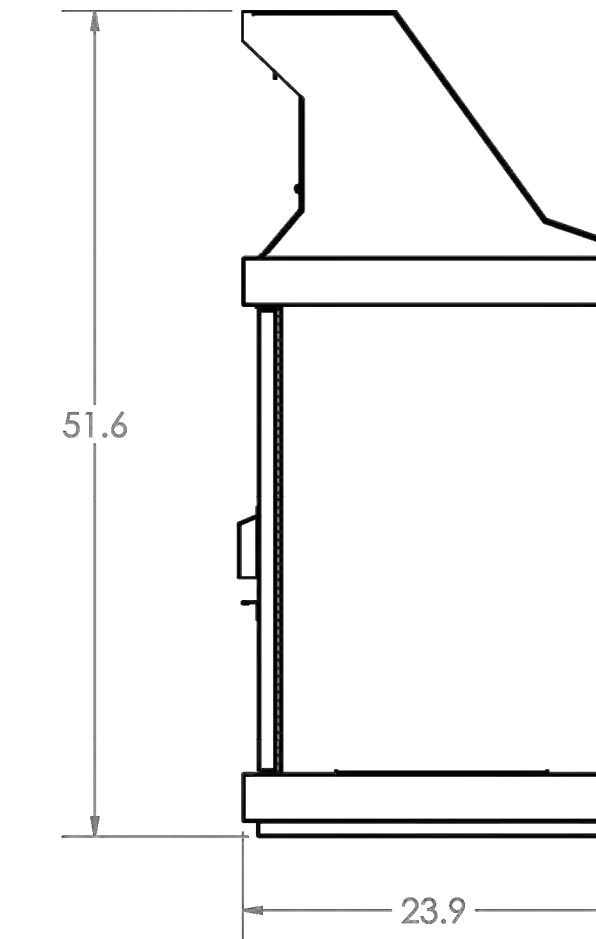
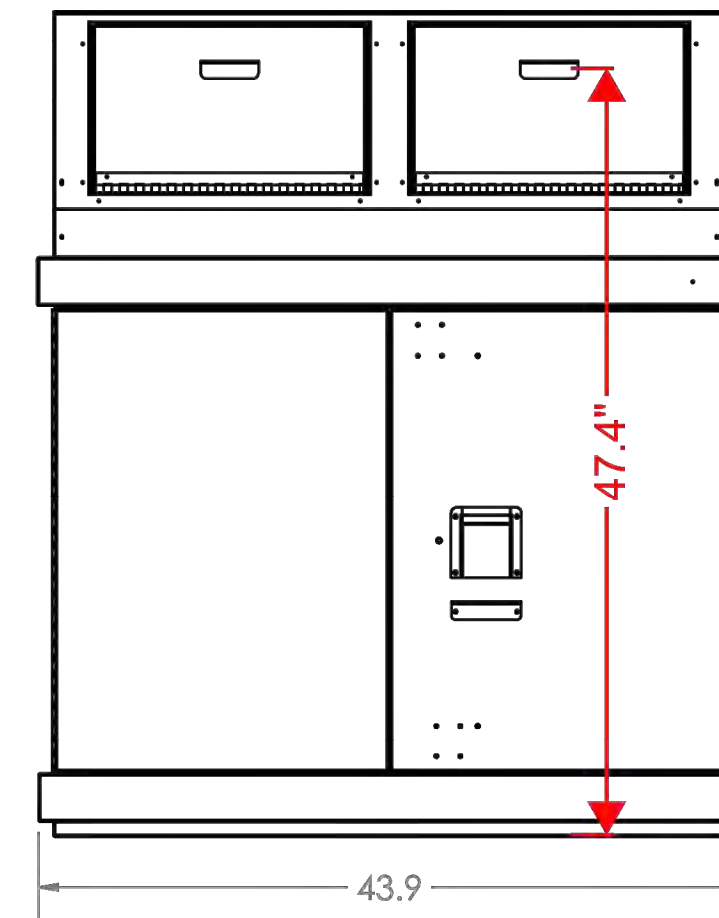
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105 W. NORTH STREET, HEALDSBURG, CA 95448  
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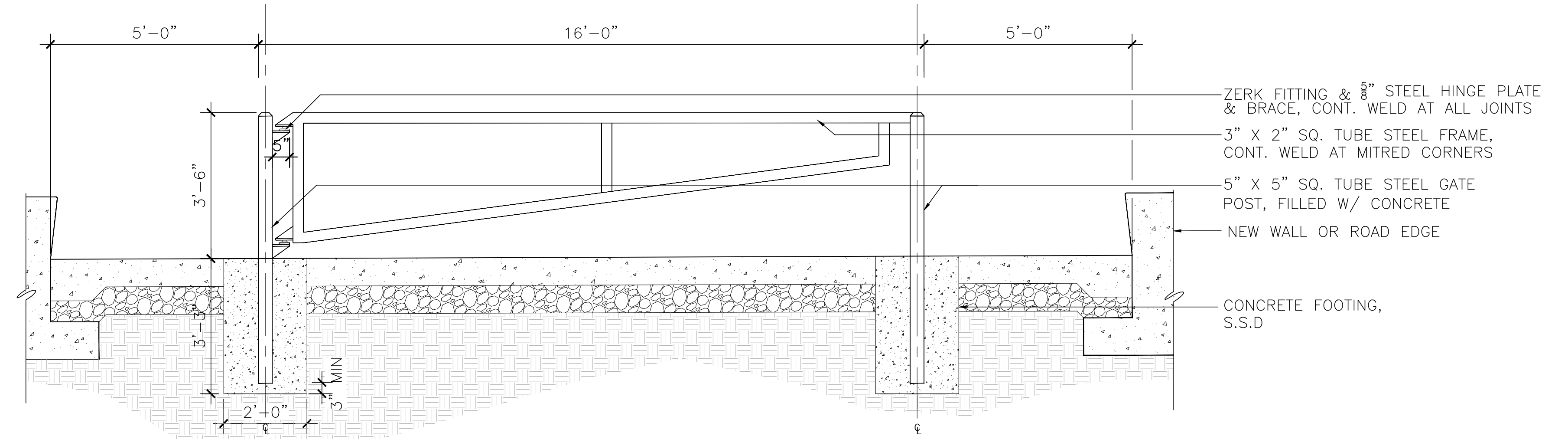
No.	Date	Revisions

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Contract No. WW-662	Drawing Title DETAILS - FURNISHINGS	Project No. PROJECT NO.	
Elevation Datum XXXX	Drawing/File No.	Revision No. 0	Scale: AS SHOWN

- NOTES:
- GALVANNEALED STEEL CONSTRUCTION.
  - STAINLESS STEEL HINGES.
  - U.V RESISTANT POWDER COAT FINISH.



1 TRASH RECEPTACLE  
1" = 1'-0"



2 GATE AT SAND RAMP  
1/2" = 1'-0"



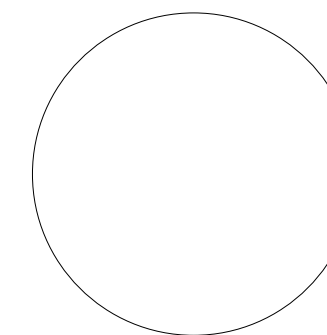
Services of the San Francisco Public Utilities Commission  
INFRASTRUCTURE DIVISION  
ENGINEERING MANAGEMENT BUREAU

EMB Mgr. \_\_\_\_\_  
WWE Engineering Mgr. \_\_\_\_\_  
WWE O&M Mgr. \_\_\_\_\_  
Section Mgr. \_\_\_\_\_  
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Elevation Datum  
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Project  
OCEAN BEACH CLIMATE CHANGE ADAPTATION  
PROJECT - LONG TERM IMPROVEMENTS

Drawing Title  
DETAILS - FURNISHINGS

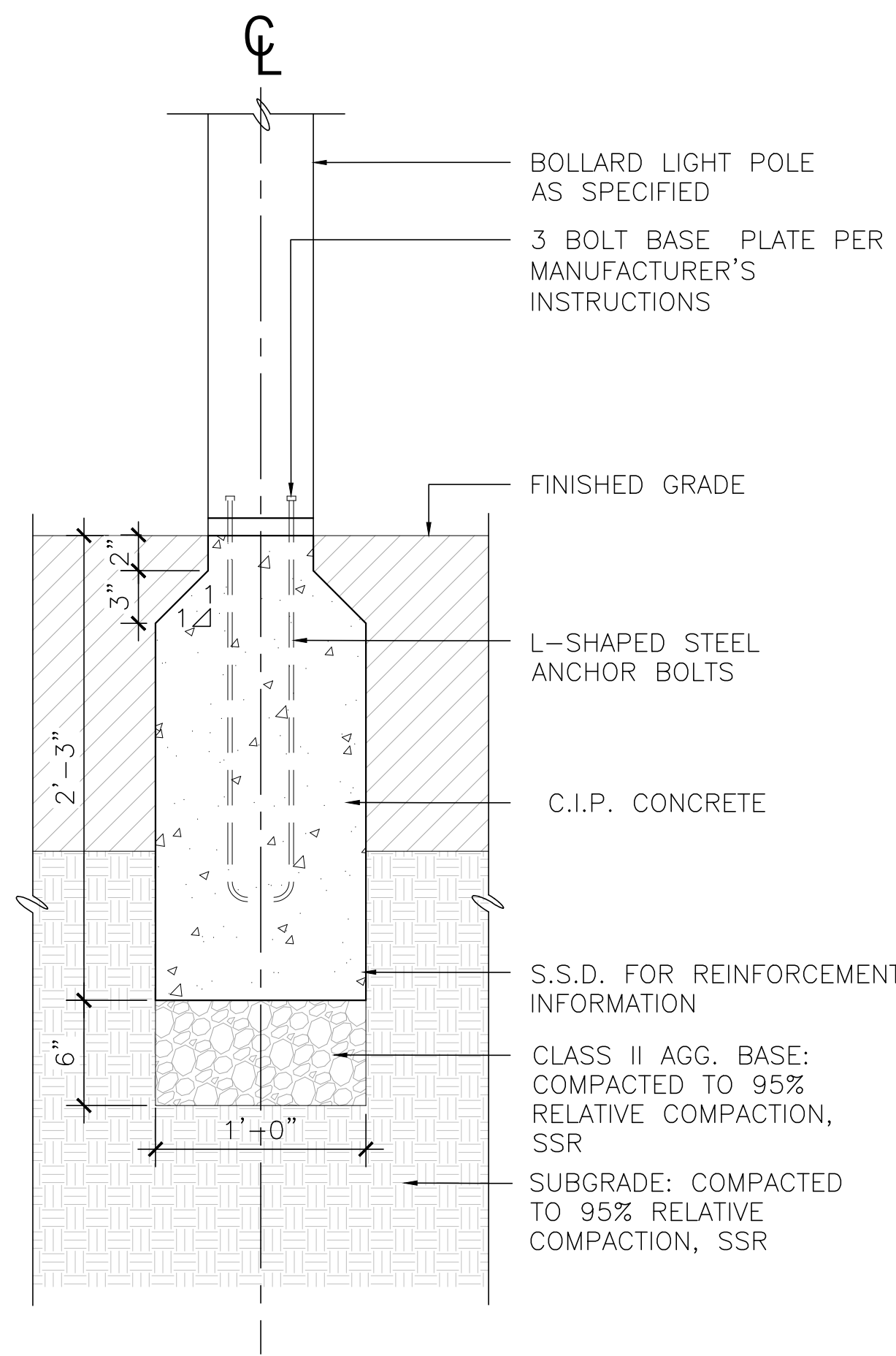
Drawing/File No

Revision No. 0

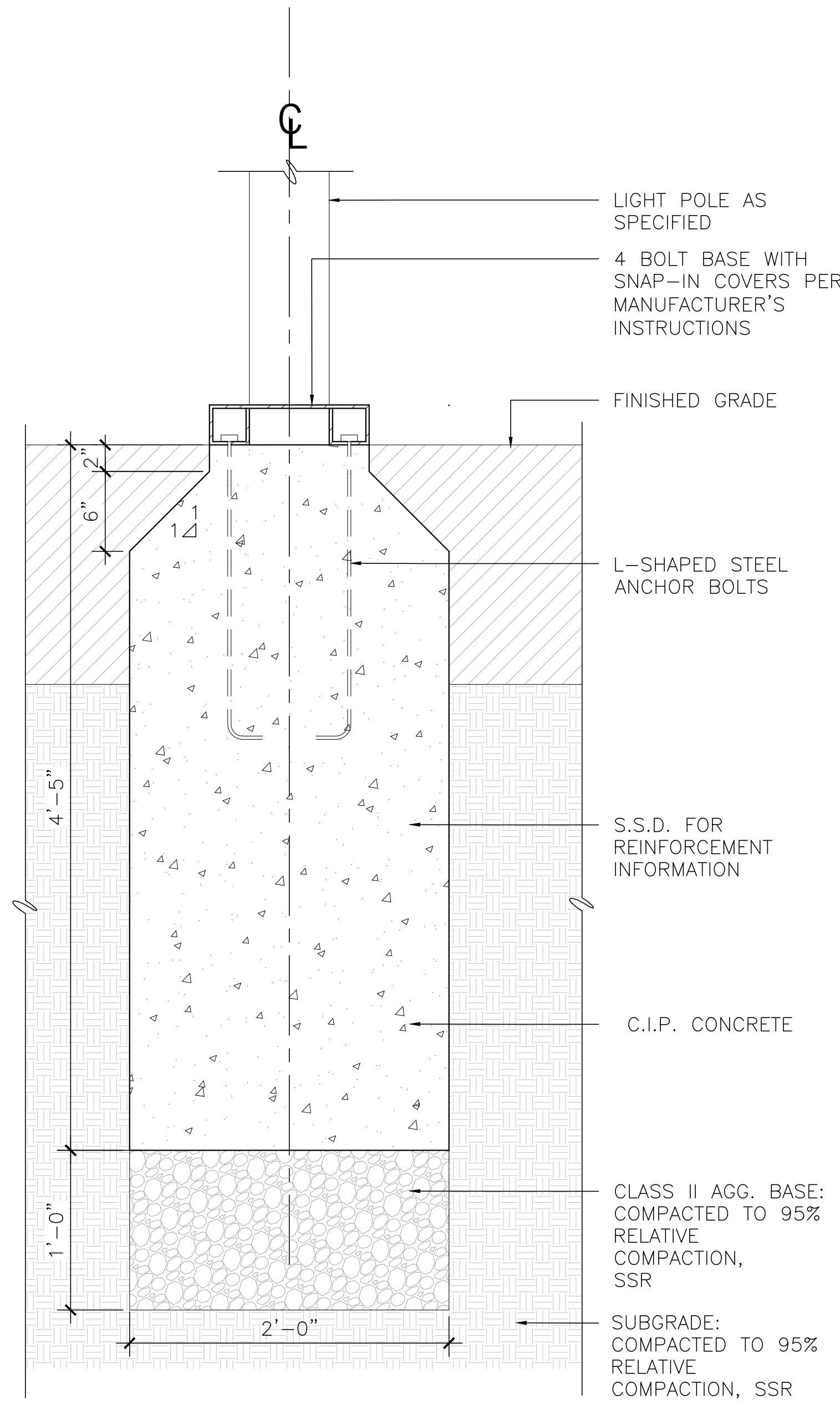
Plan No.  
L-5022

Project No.  
PROJECT NO.

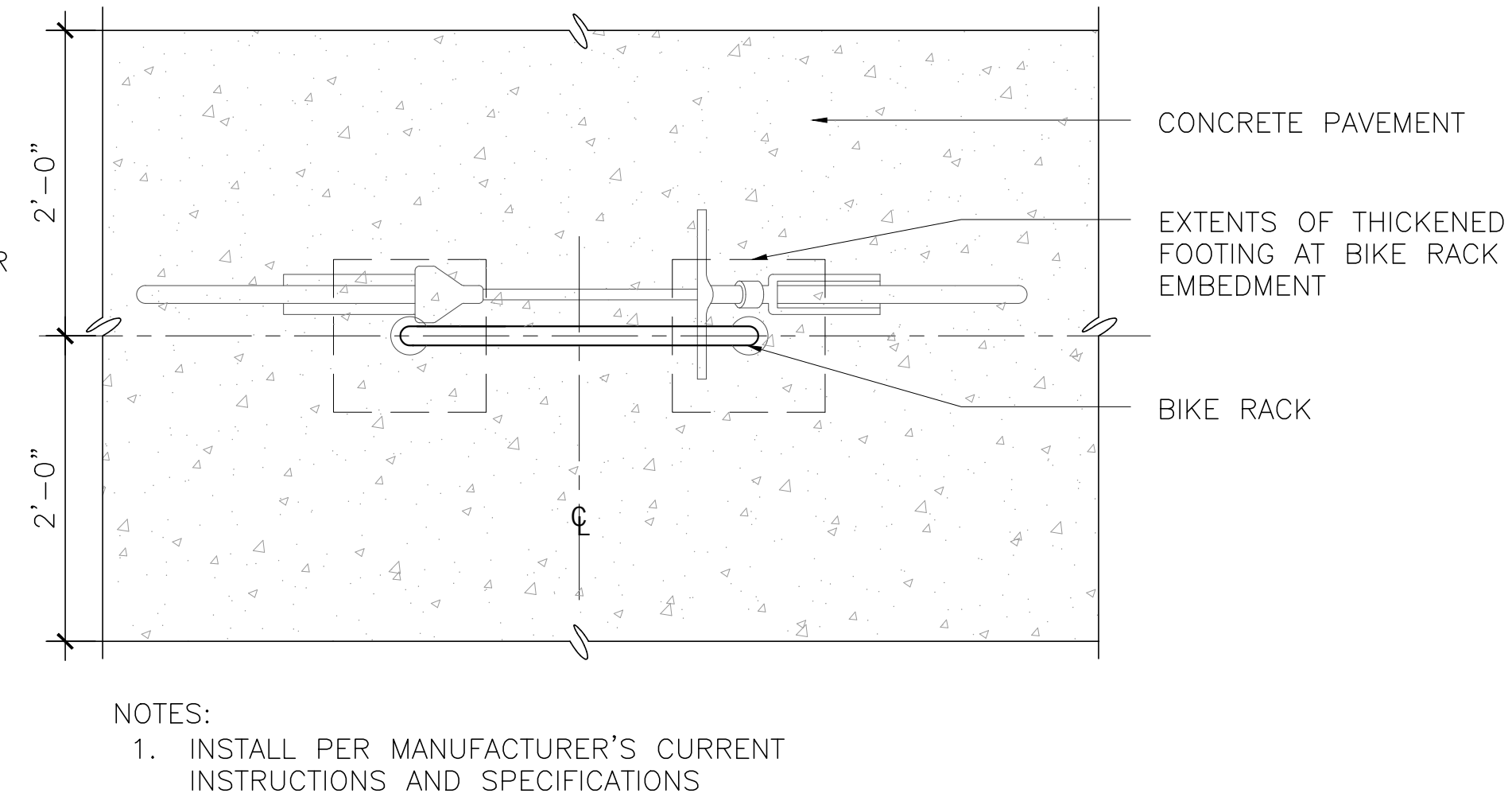
Scale: AS SHOWN



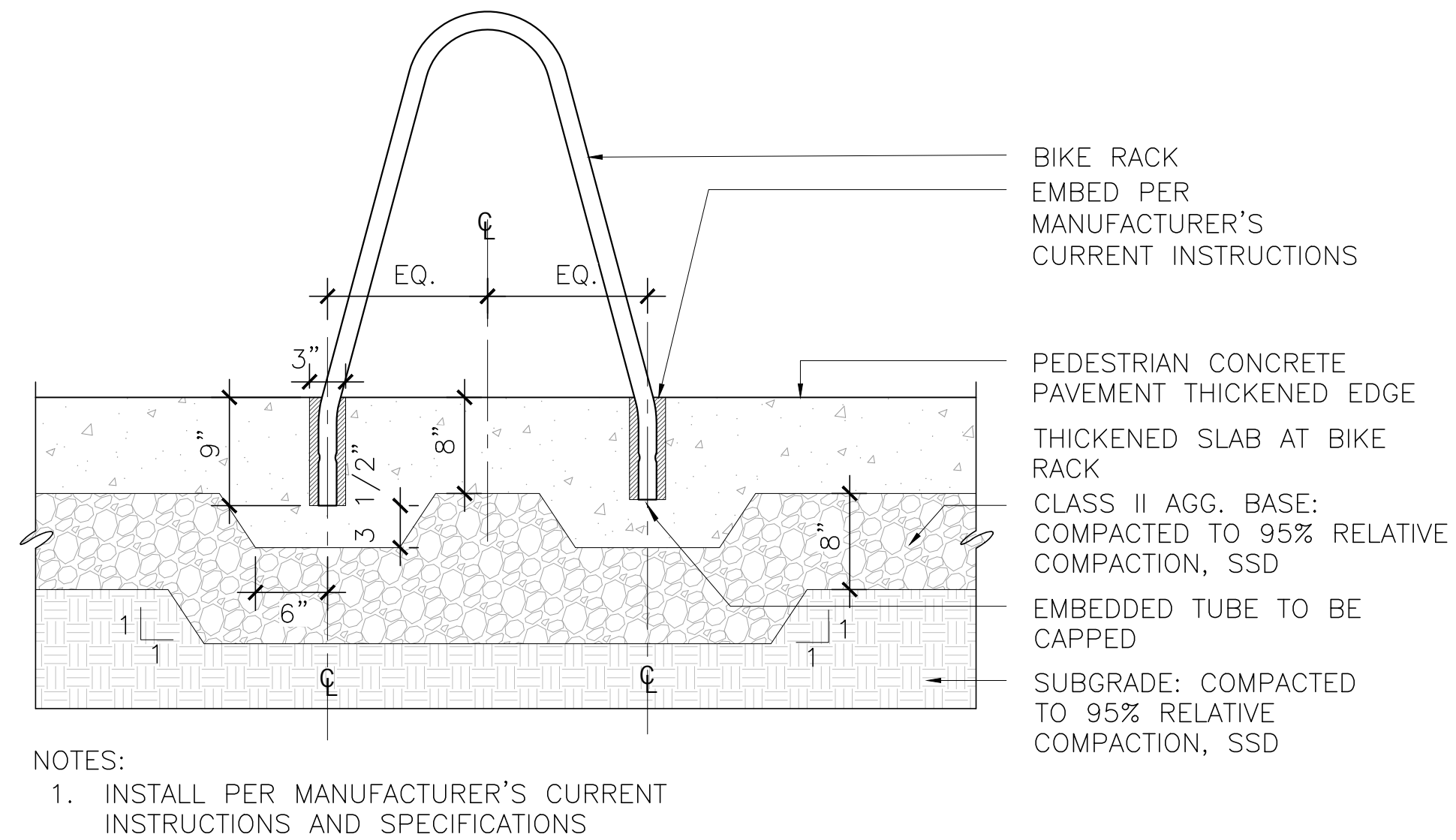
**5 BOLLARD LIGHT FOOTING**  
1 1/2" = 1'-0"



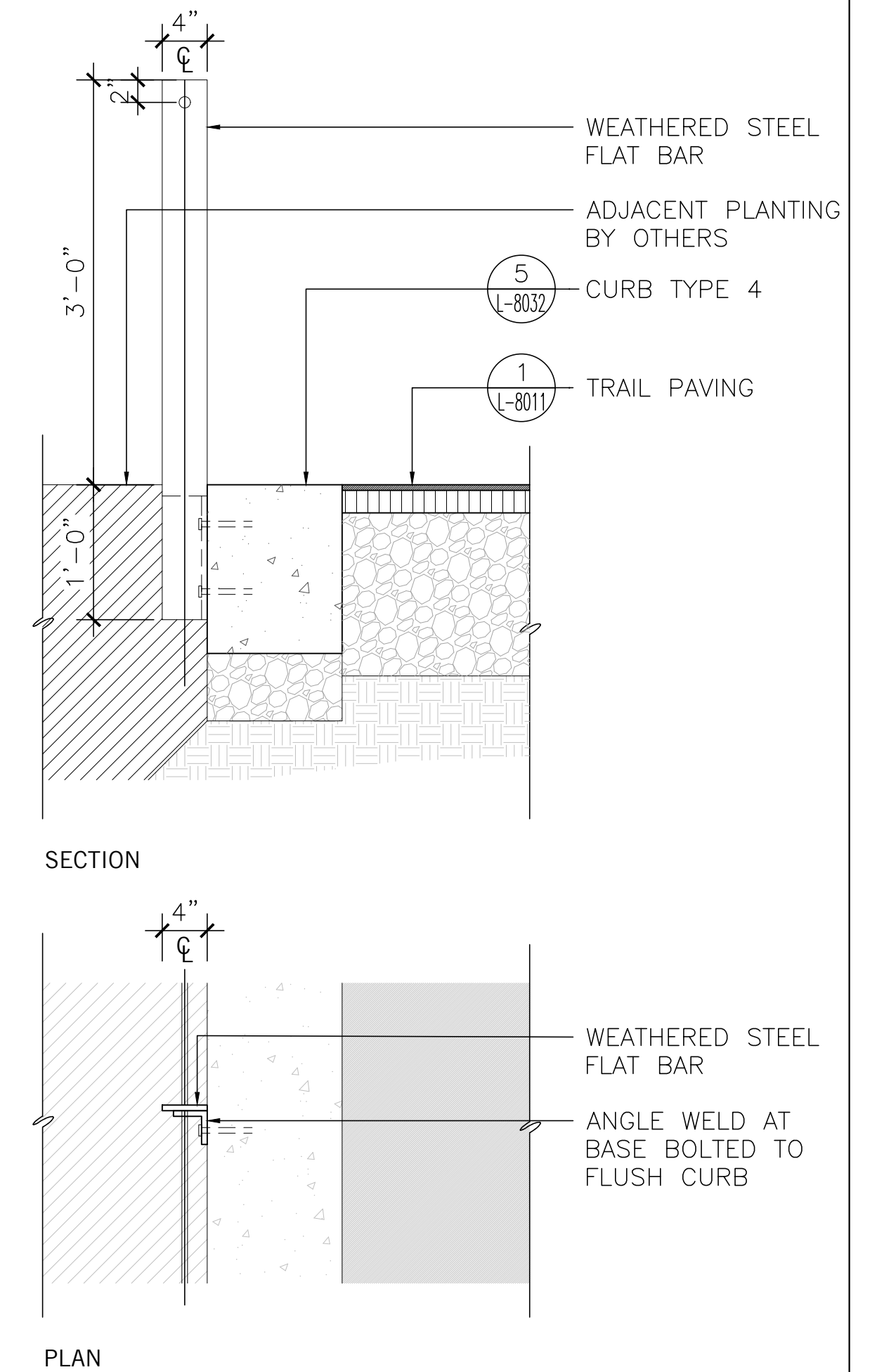
**4 POLE LIGHT FOOTING**  
1 1/2" = 1'-0"



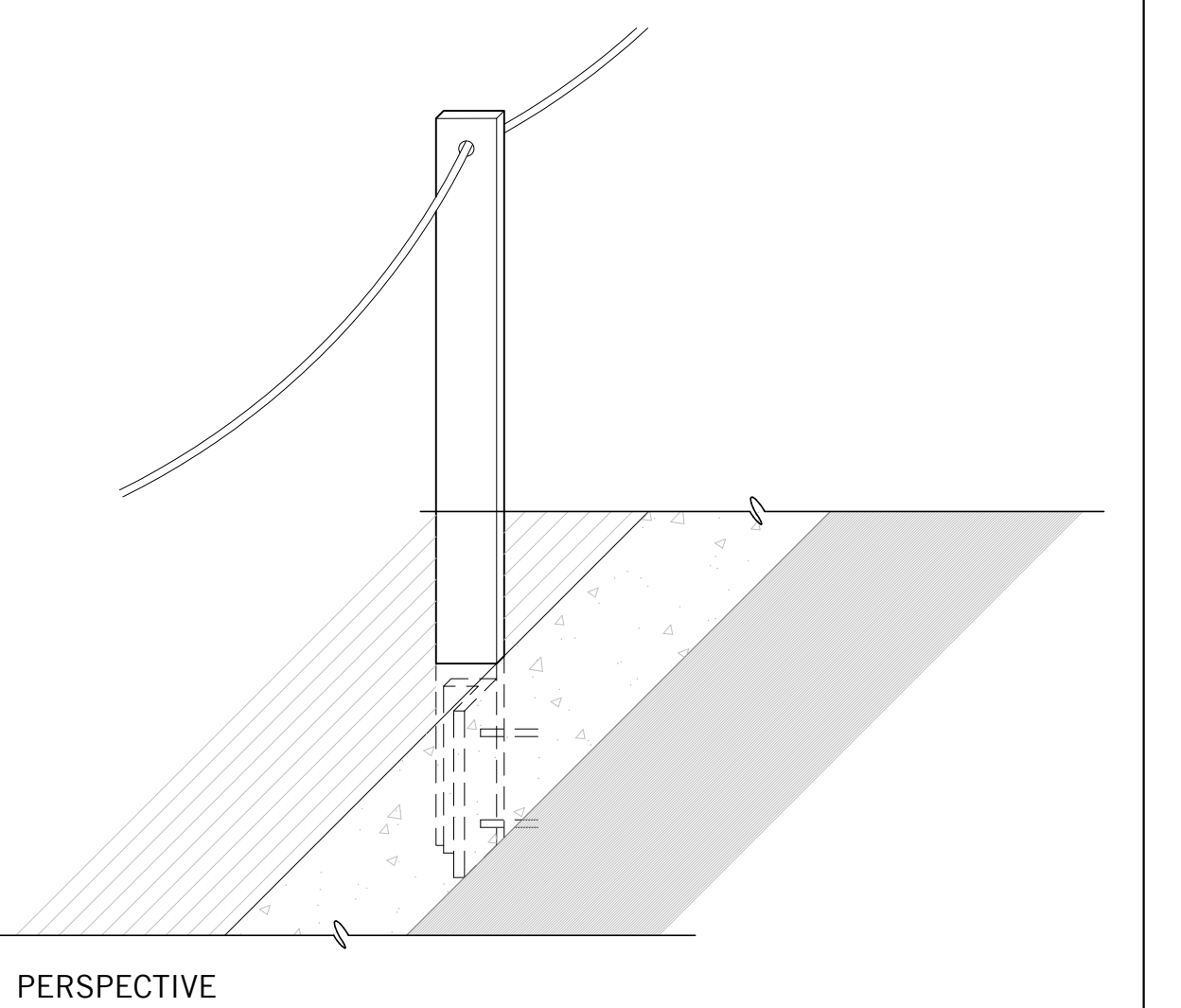
**2 BIKE RACK PLAN**  
1" = 1'-0"



**3 BIKE RACK SECTION**  
1" = 1'-0"



**1 BARRIER AT PLANTING**  
1" = 1'-0"



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WWE O&M Mgr. \_\_\_\_\_  
Section Mgr. \_\_\_\_\_  
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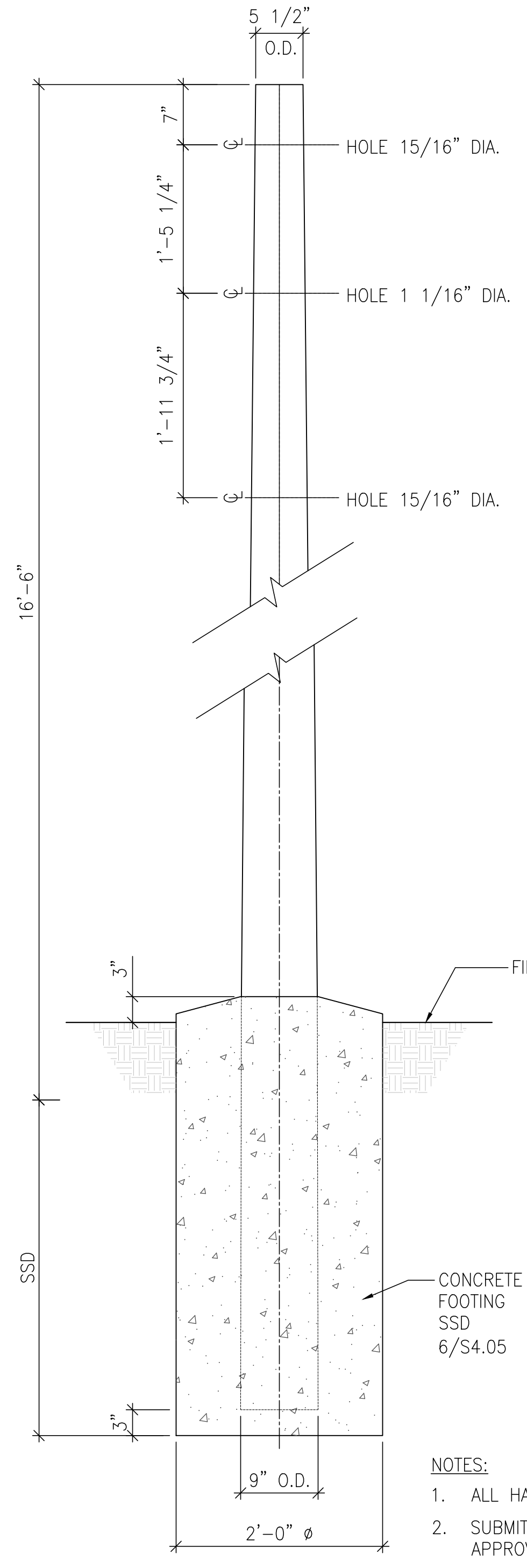
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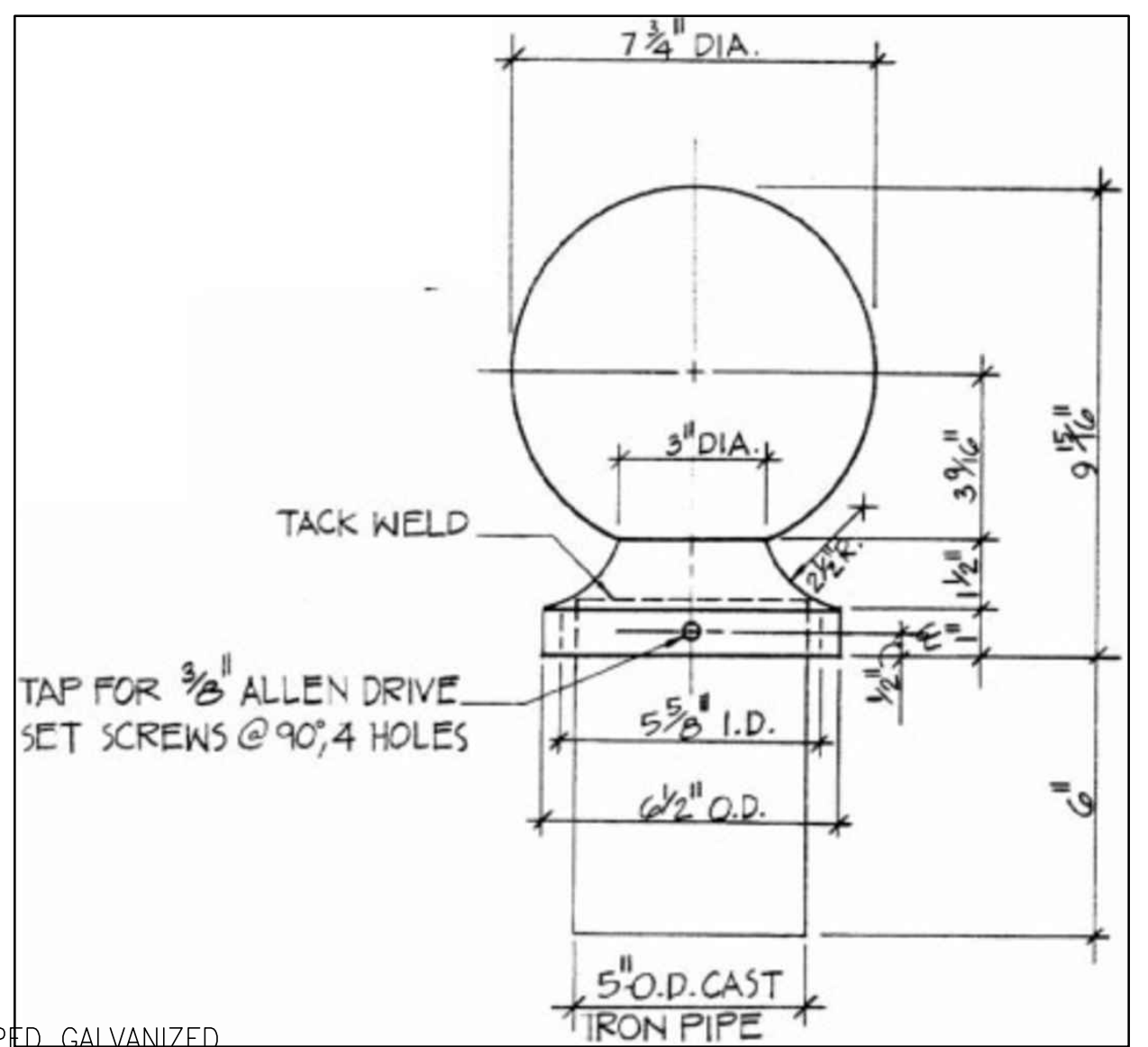
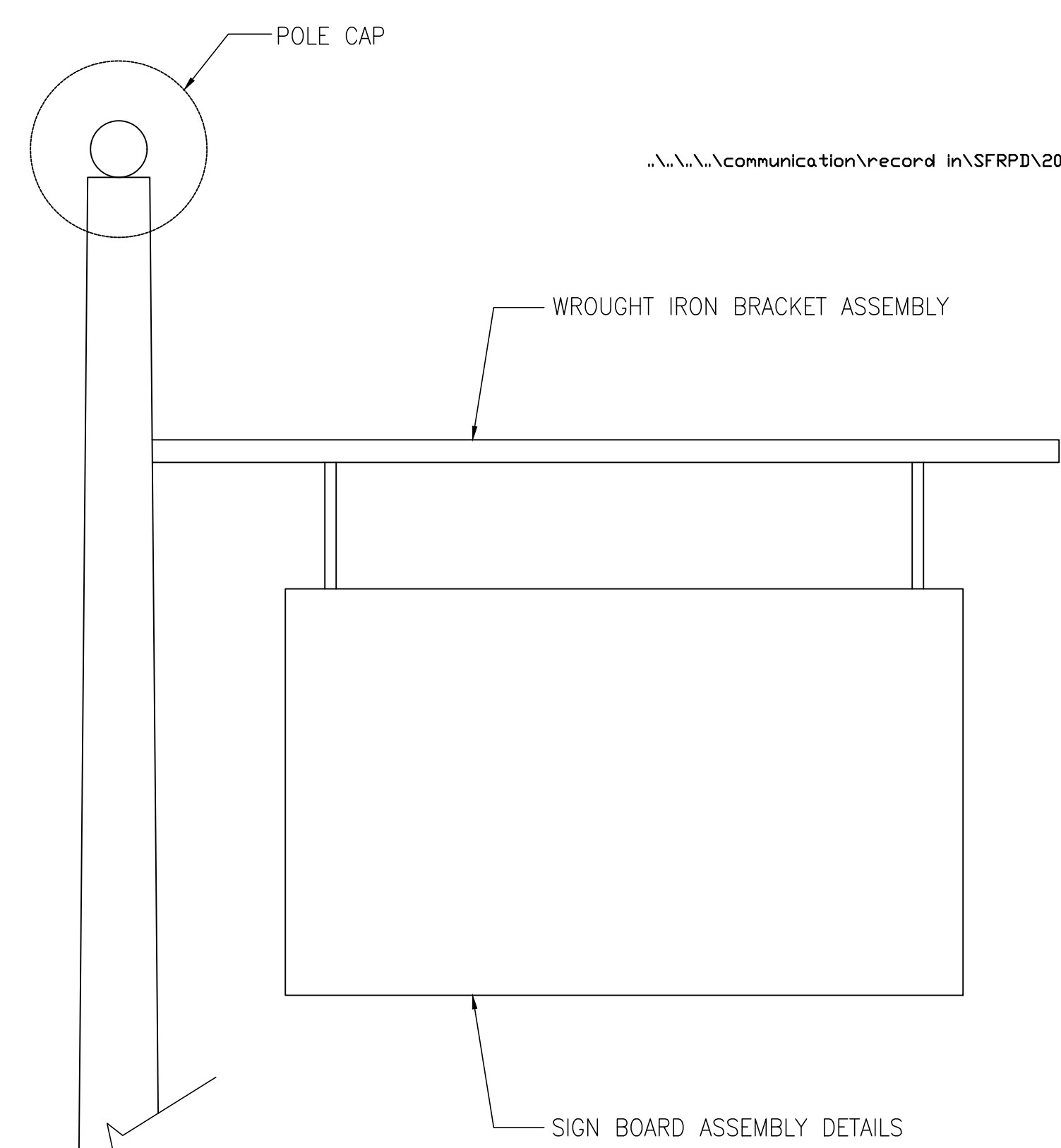
Contract No. **WW-662**

Elevation Datum XXXX

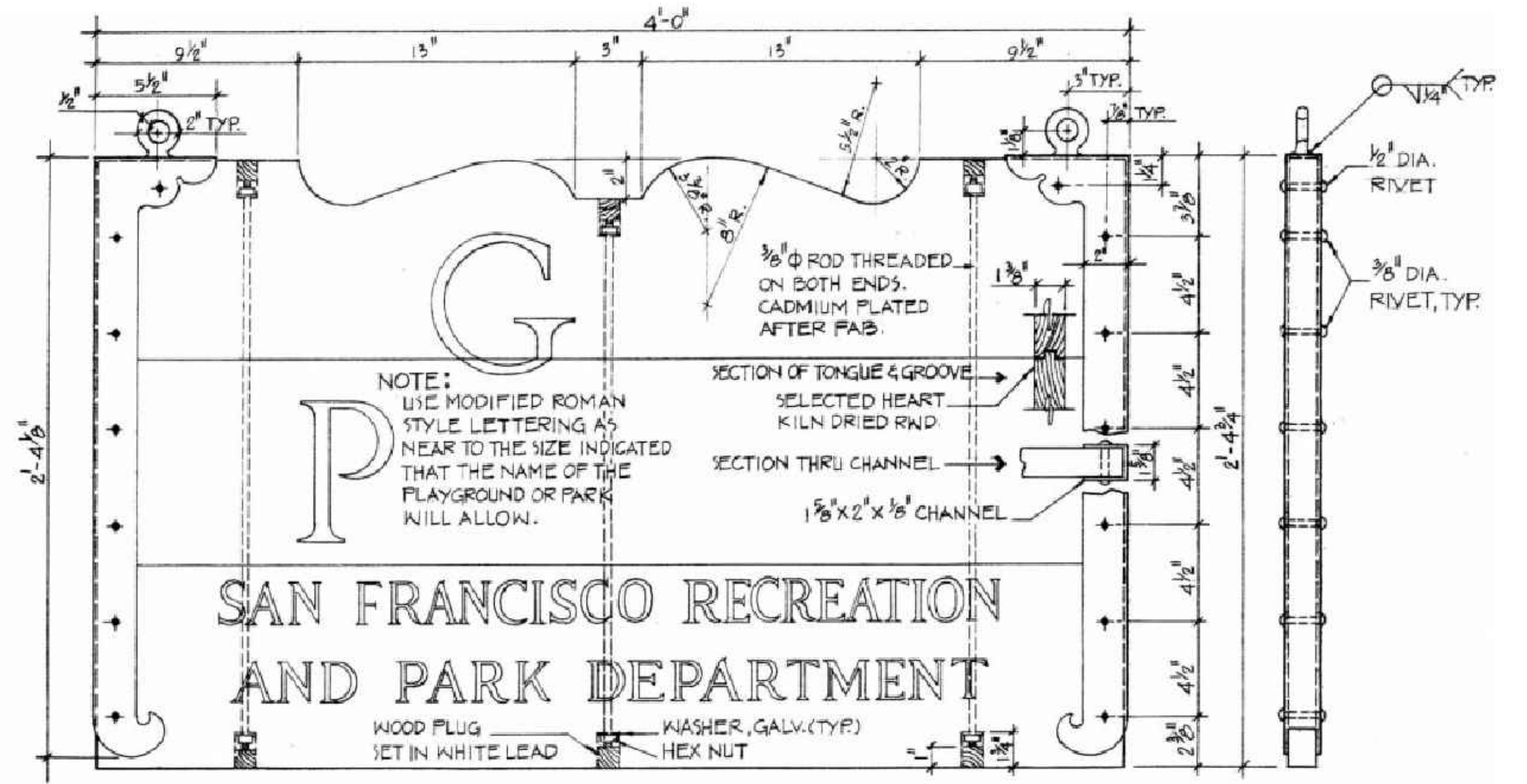
Project <b>OCEAN BEACH CLIMATE CHANGE ADAPTATION PROJECT - LONG TERM IMPROVEMENTS</b>	Plan No. <b>L-5023</b>
Drawing Title <b>DETAILS - FURNISHINGS</b>	Project No. PROJECT NO.
Drawing/File No. _____	Revision No. <b>0</b>
Scale: AS SHOWN	



- NOTES:
1. ALL HARDWARES TO BE HOT DIPPED GALVANIZED.
  2. SUBMIT SHOP DRAWINGS OF POLE & POLE CAP FOR CITY REPRESENTATIVE'S APPROVAL.



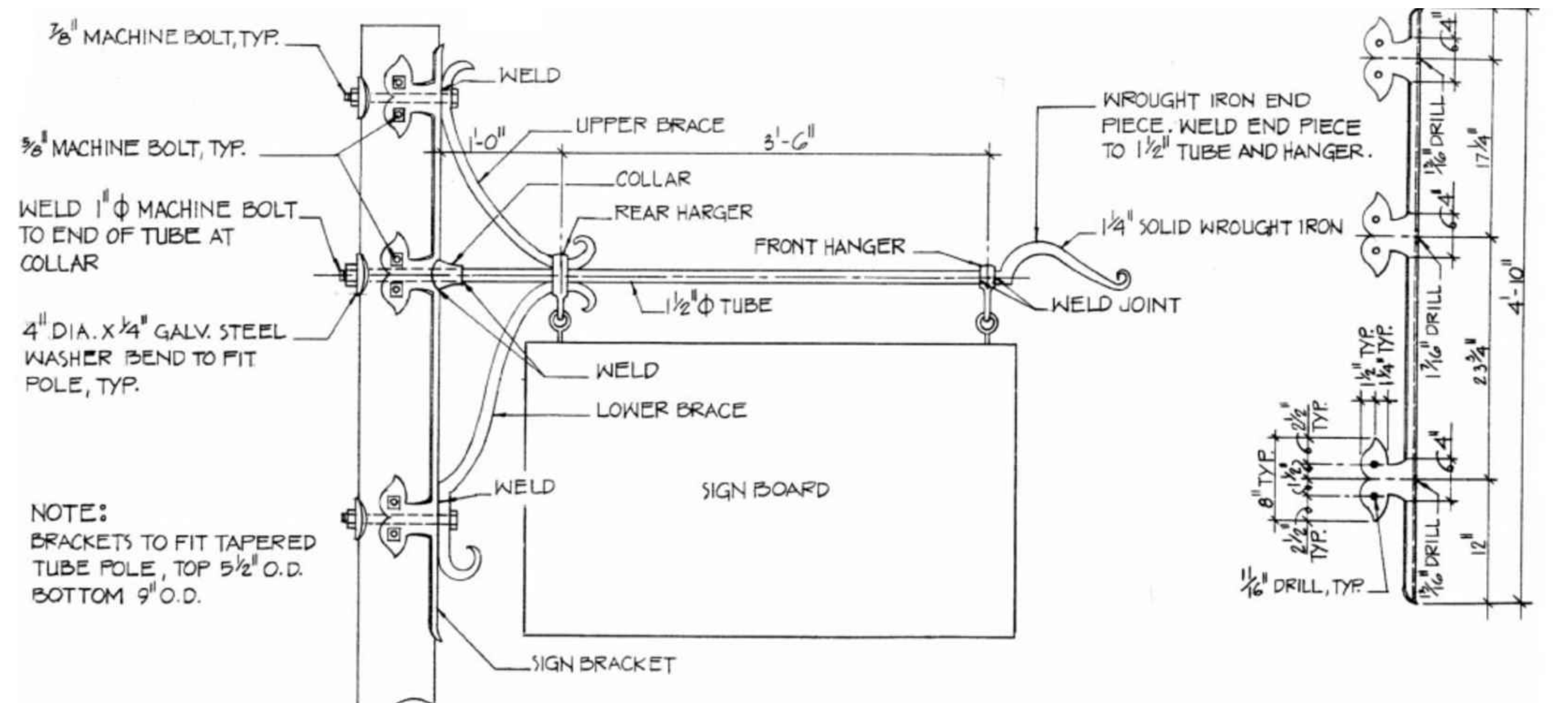
3 SIGNAGE TYPE 1 – PARK IDENTIFICATION POLE AND POLE CAP  
1" = 1'-0"



NOTE: CHANNEL TO BE HEAVILY GALVANIZED AND PAINTED WITH ONE (1) SPRAY COAT OF LACQUER. METAL TO BE ETCHED BEFORE APPLYING LACQUER.

**SIGN BOARD ASSEMBLY DETAILS**

1 SIGNAGE TYPE 1 – PARK IDENTIFICATION  
19/128" = 1'-0"



2 SIGNAGE TYPE 1 – PARK IDENTIFICATION BRACKET ASSEMBLY  
1" = 1'-0"



EMB Mgr. \_\_\_\_\_  
 WVE Engineering Mgr. \_\_\_\_\_  
 WVE O&M Mgr. \_\_\_\_\_  
 Section Mgr. \_\_\_\_\_  
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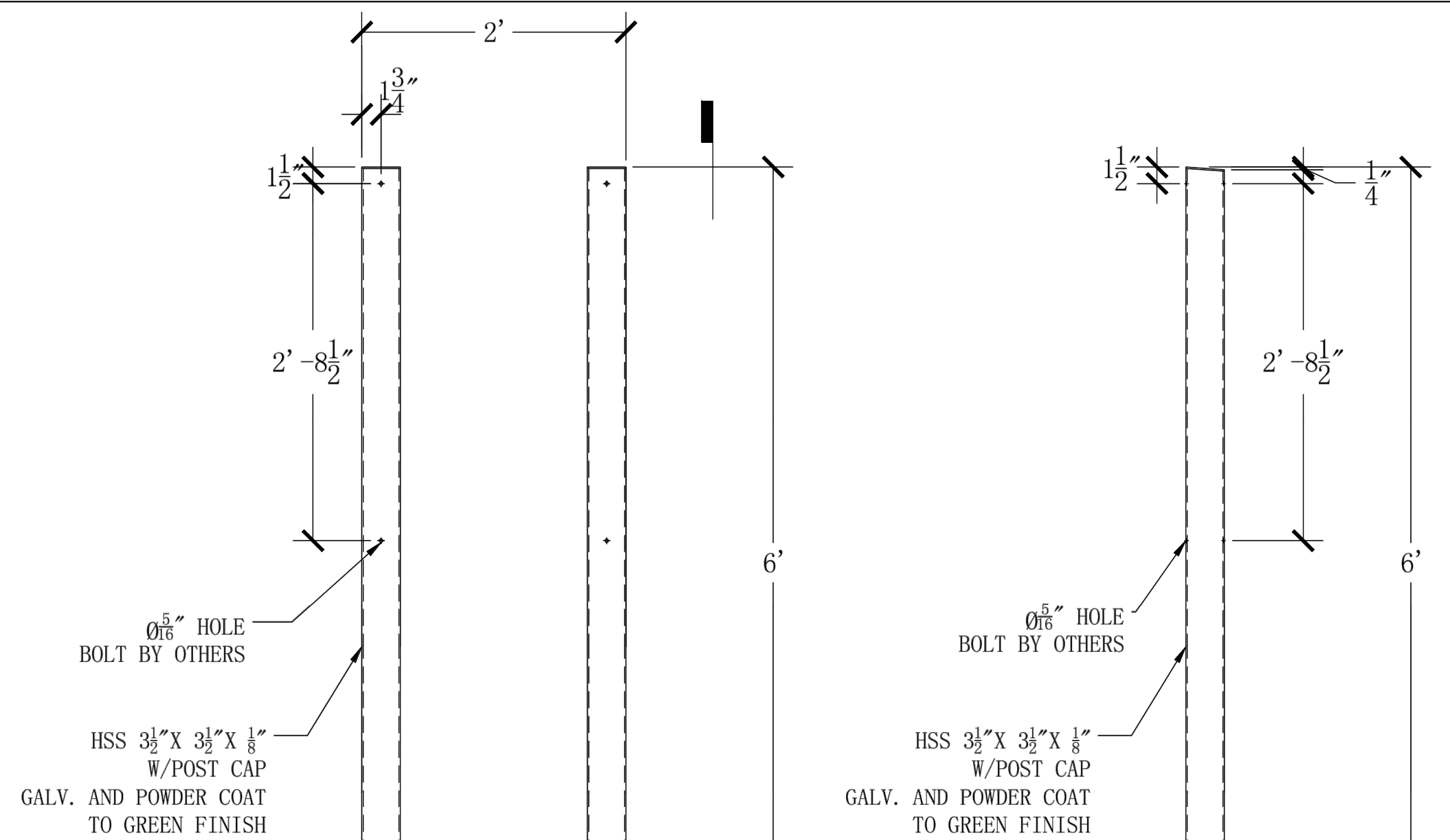


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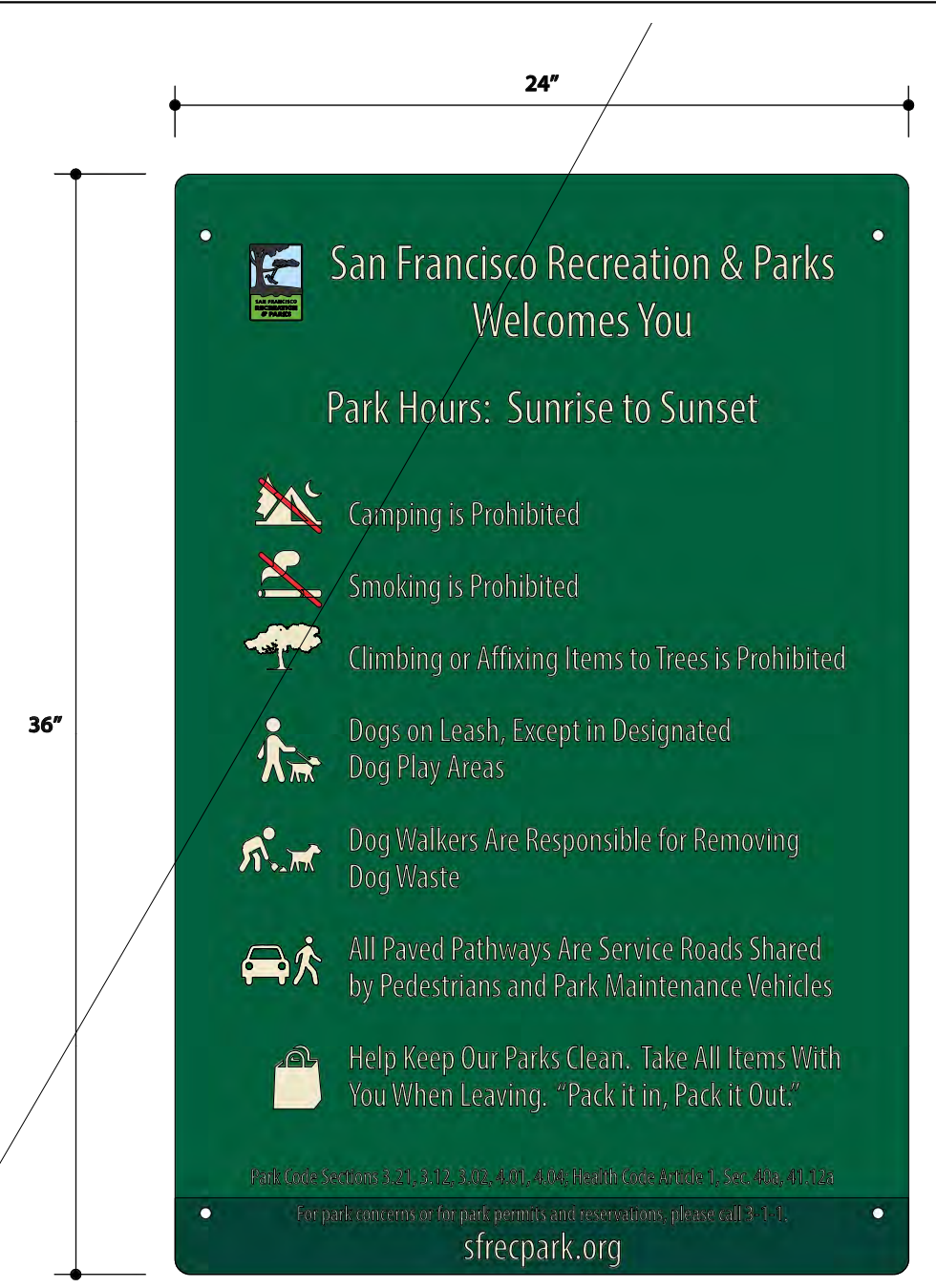
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Contract No. WW-662	Drawing Title DETAILS - SIGNAGE	Project No. PROJECT NO.
Elevation Datum XXXX	Drawing/File No.	Revision No. 0 Scale: AS SHOWN



3 SF RECREATION AND PARK RULES SIGNPOST DETAIL  
1" = 1'-0"



**General Notes:**  
 \* 1/2" radiused corners.  
 \* See pgs. 5-6 for post/fence mounting details.  
 \* Message shown is schematic only. Please reference attached message schedule for actual sign messages as approved by designated representative or owner.

1 SF RECREATION AND PARK RULES SIGN  
1' = 1'-0"

**Key Notes:**

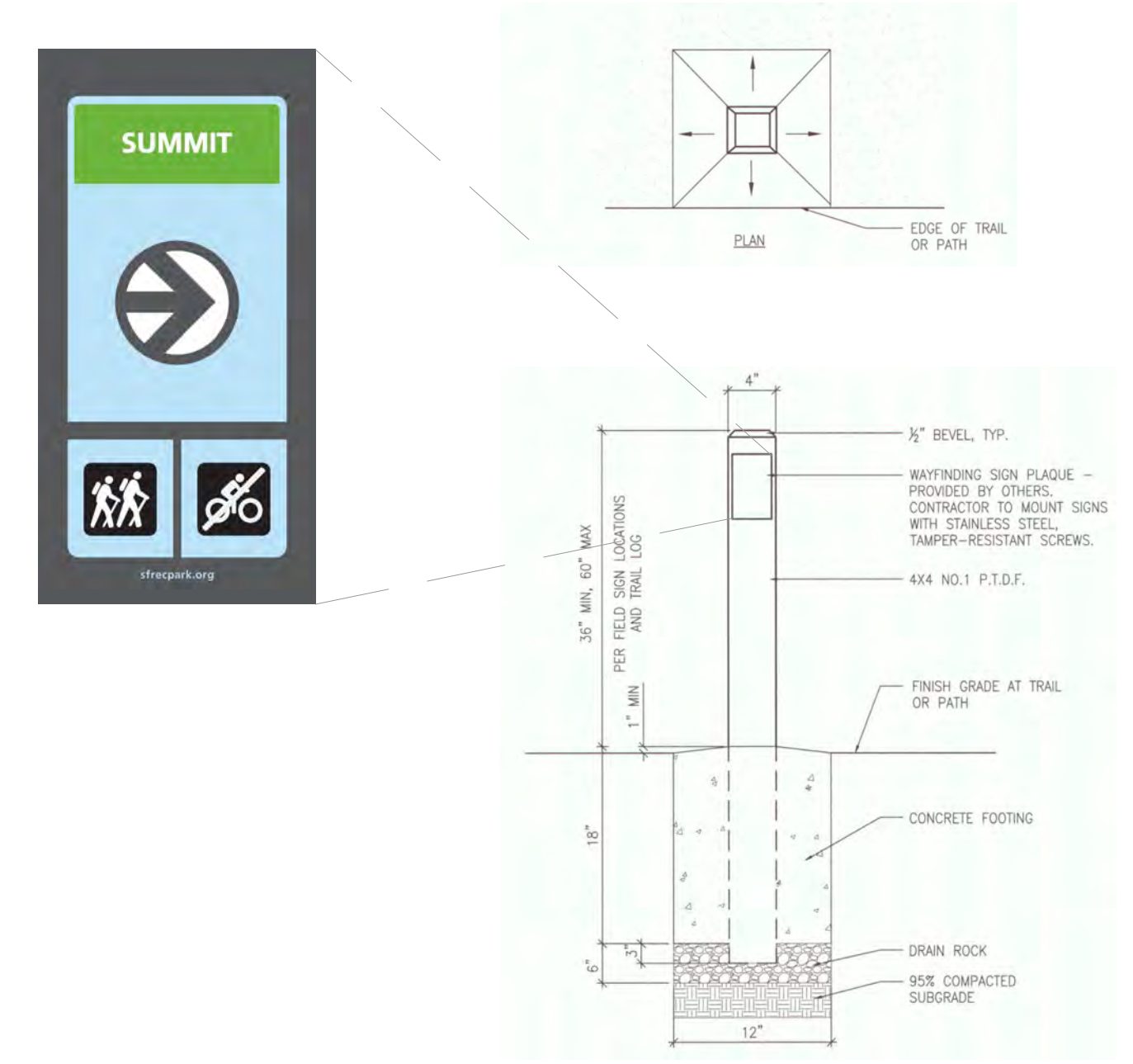
- A .080" Aluminum Sign Panel
- B 1/4" x 4" Pan Head Bolt Through Face of Sign Panel. Top Surface Painted to Match Adjacent Color & Finish
- C 3-1/2" Square Galvanized Steel Post with Cap, Powdercoated C3
- D Stainless Steel Washer
- E Tamper-Proof Nut

**Function:**

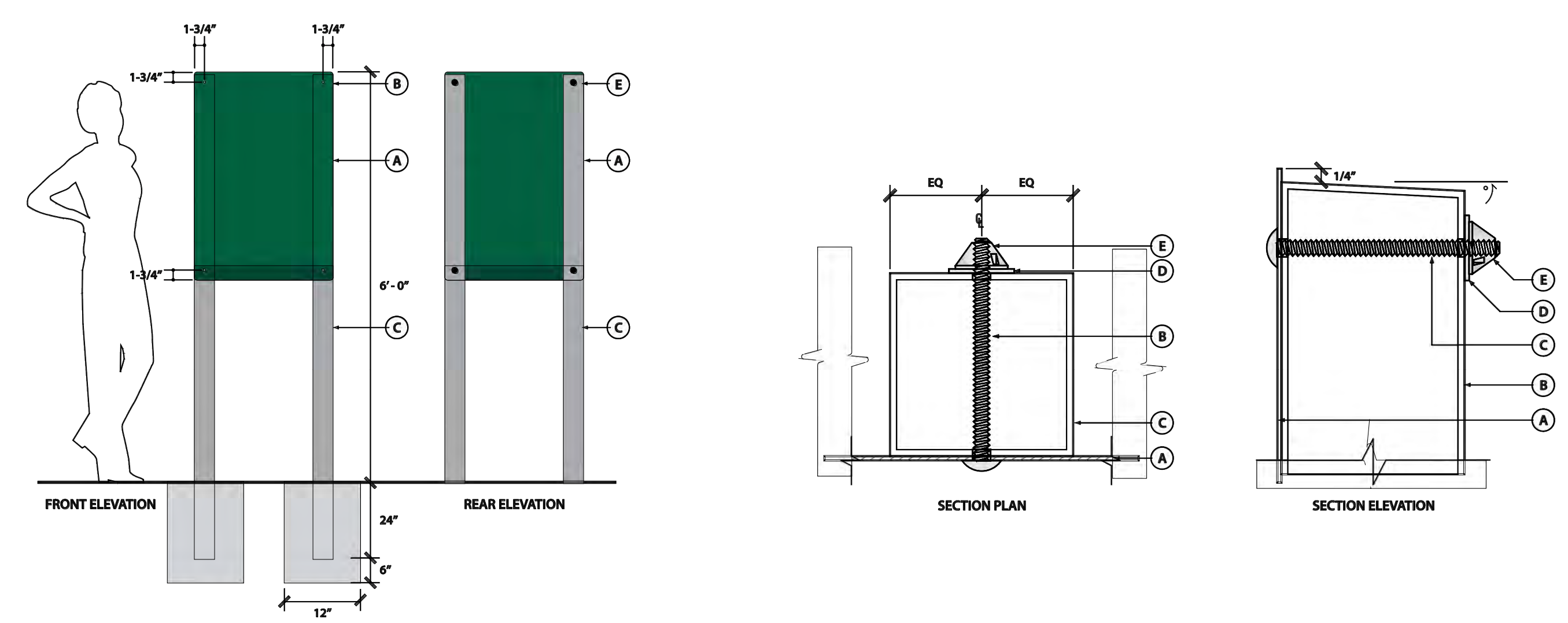
No Post Signs Are to be Installed Directly on Sidewalks, Paths or Trails.  
 No Signs Are to be Within 2'-0" of a Designated Bike Path.



5 BEWARE! DANGEROUS SURF SIGN  
3" = 1'-0"



4 WAYFINDING SIGN AND POST  
1" = 1'-0"



2 SF RECREATION AND PARK RULES SIGN MOUNTED  
1' = 1'-0"

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 WVE Engineering Mgr. \_\_\_\_\_  
 WVE O&M Mgr. \_\_\_\_\_  
 Section Mgr. \_\_\_\_\_  
 Designed \_\_\_\_\_  
 Drawn \_\_\_\_\_  
 Checked/Approved \_\_\_\_\_

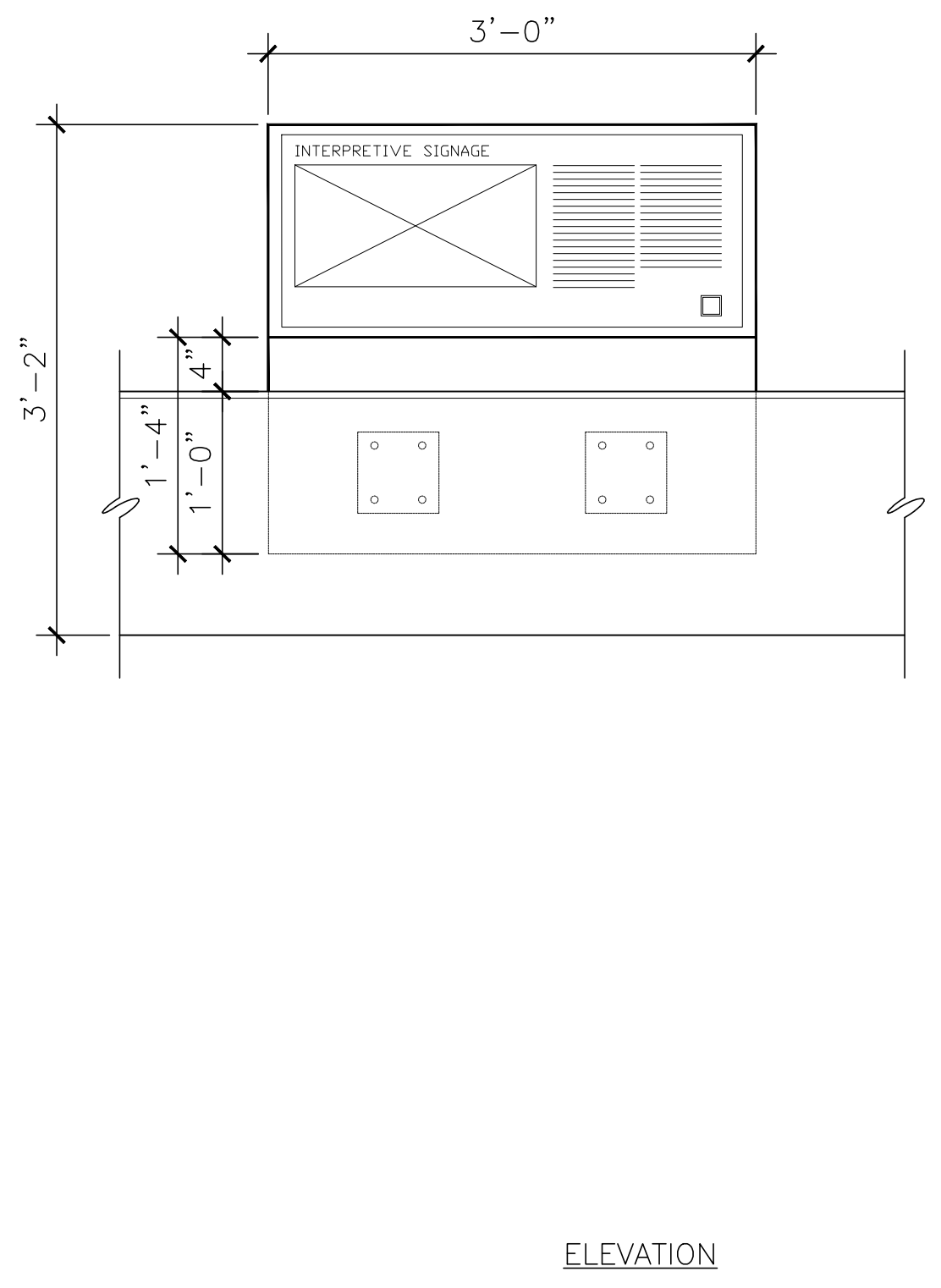
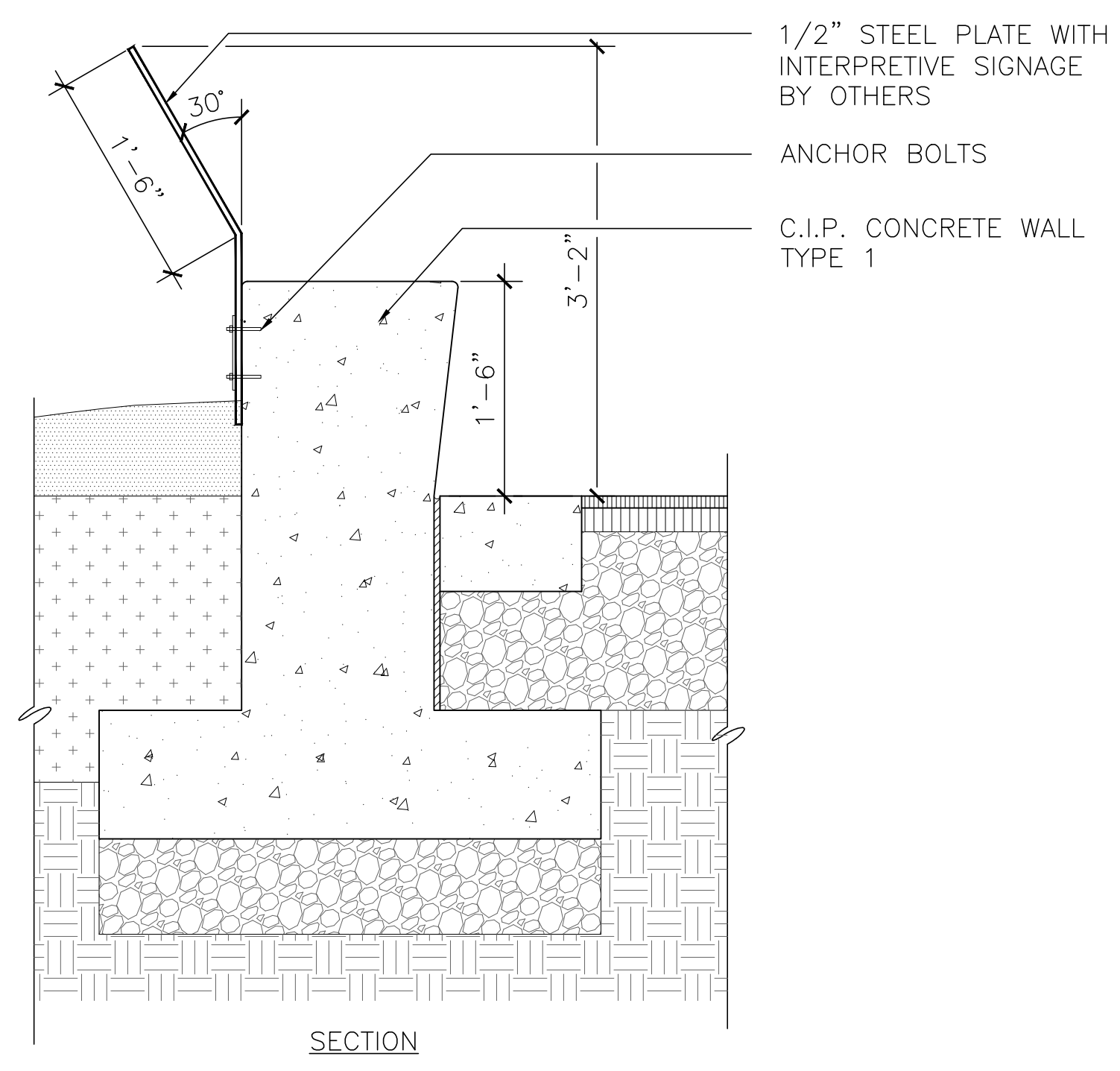
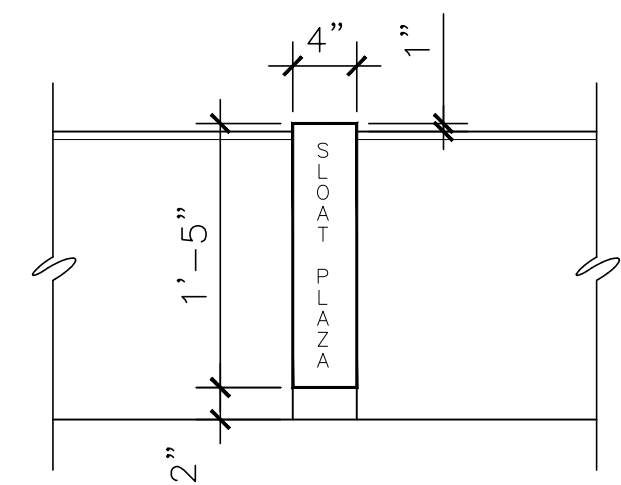
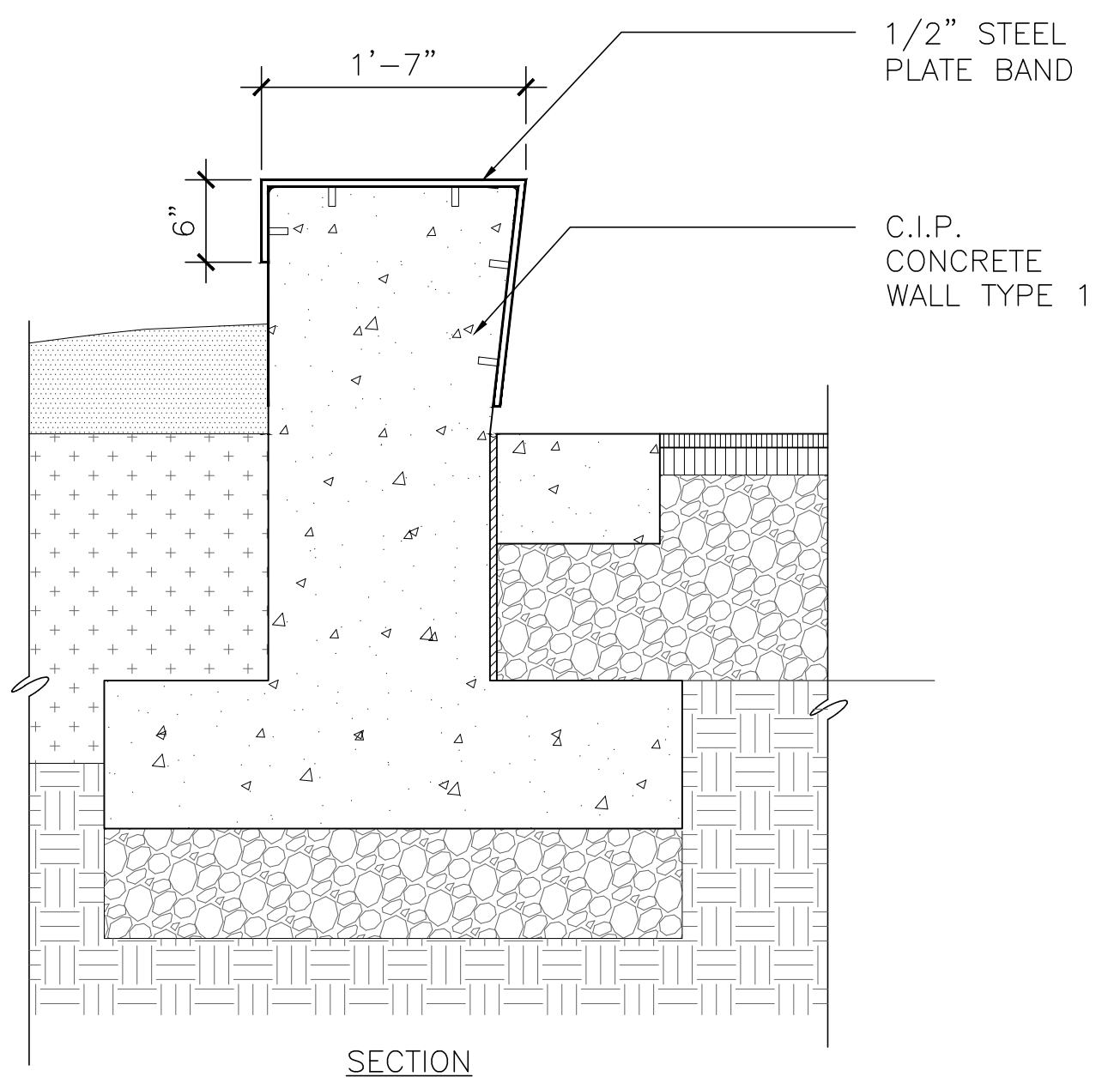
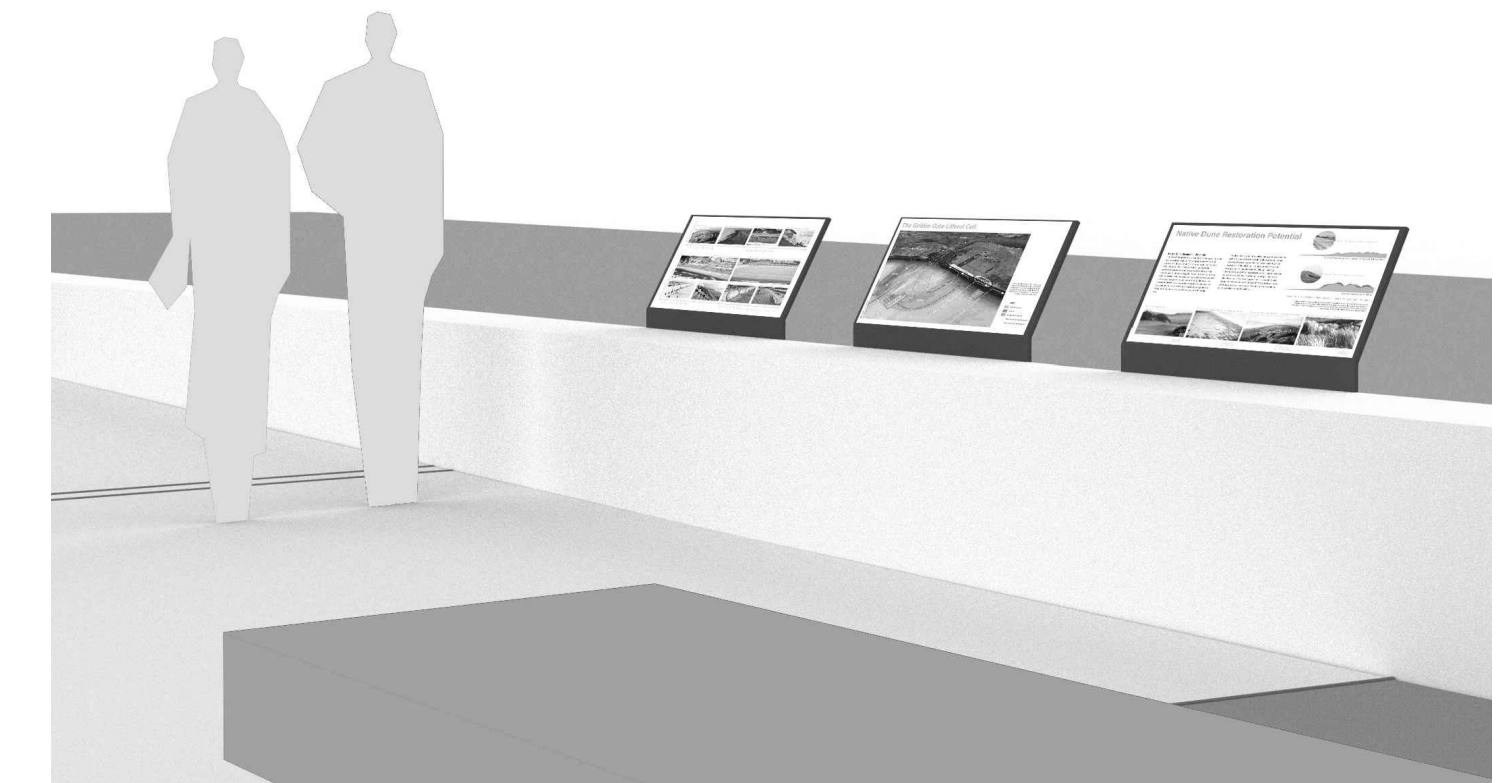
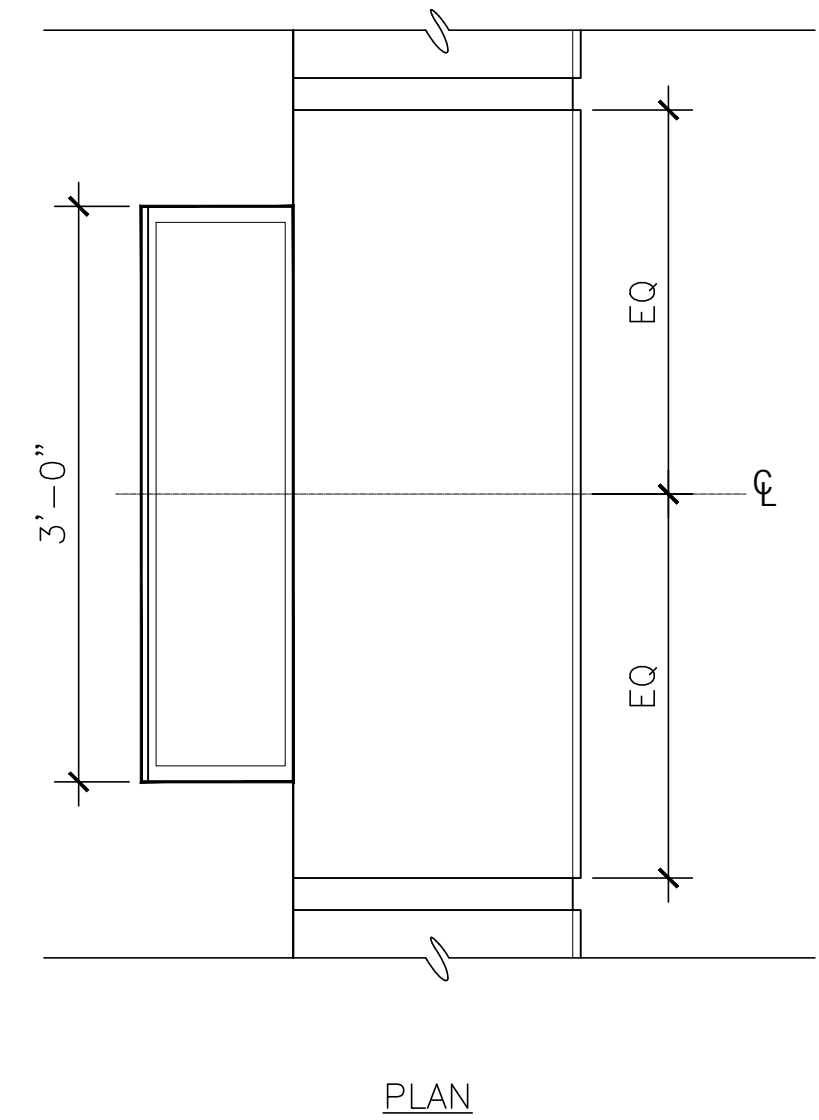
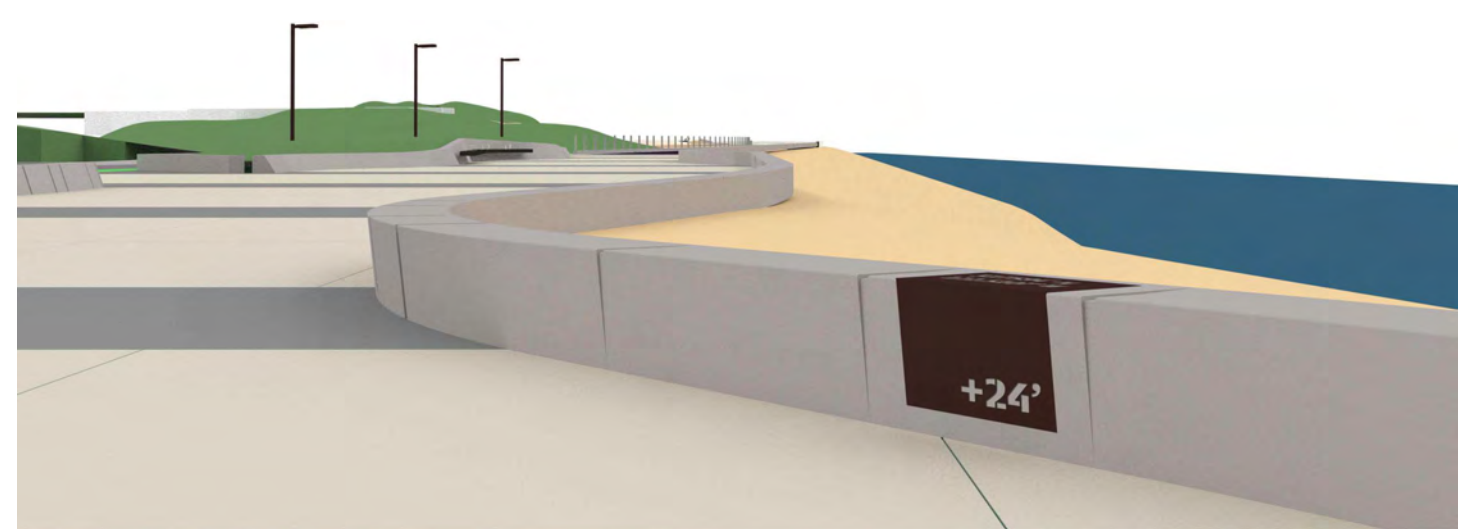
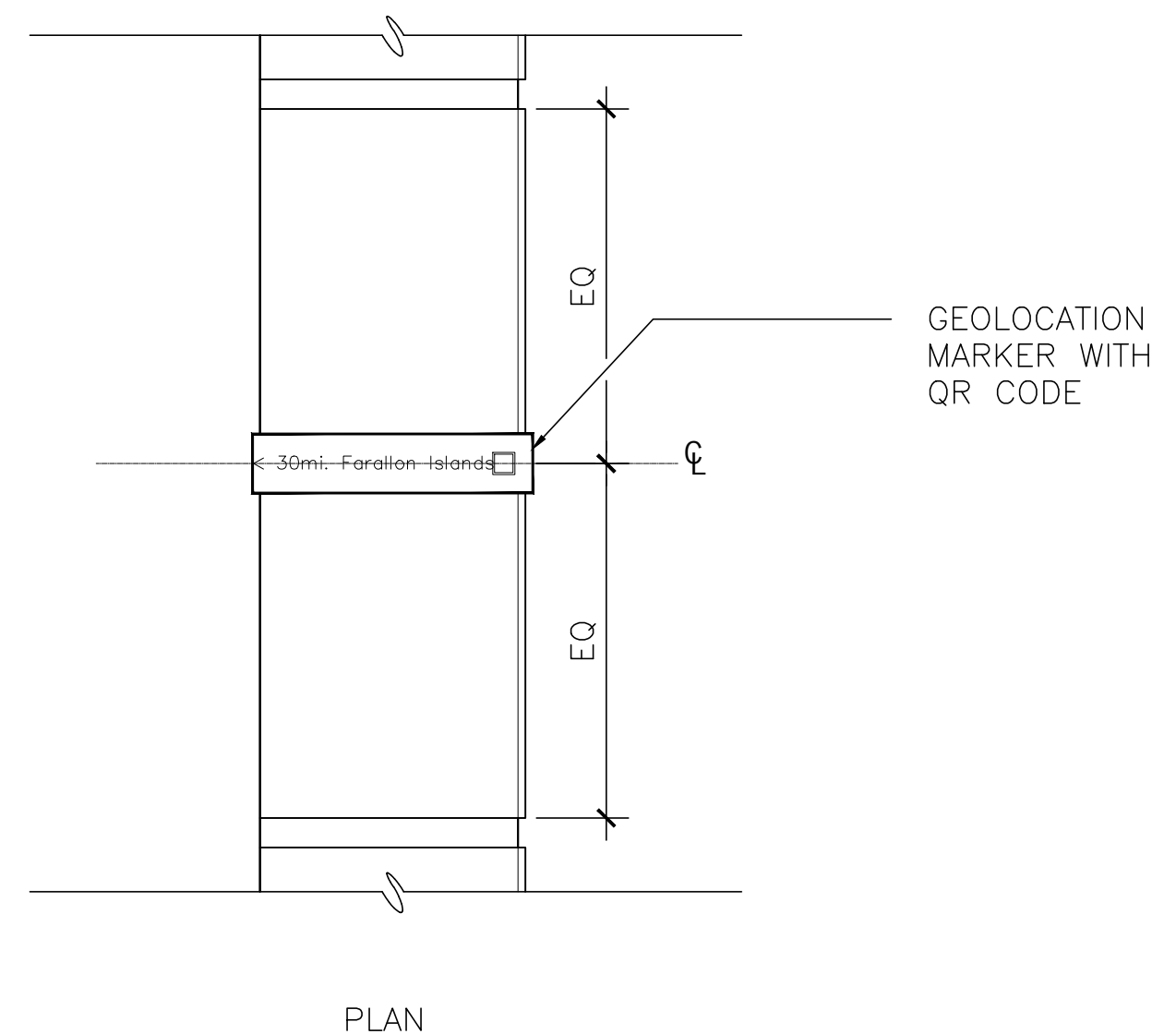
MUNDEN FRY LANDSCAPE ASSOCIATES  
**MFLA**  
 MUNDEN FRY LANDSCAPE ARCHITECTURE  
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Contract No WW-662	Drawing Title DETAILS - SIGNAGE	Project No. PROJECT NO.
Elevation Datum XXXX	Drawing/File No	Revision No. 0 Scale: AS SHOWN



2 INTERPRETIVE SIGNAGE TYPE 2  
1" = 1'-0"

1 INTERPRETATIVE SIGNAGE TYPE 1  
1" = 1'-0"



San Francisco  
**Water Power Sewer**  
Services of the San Francisco Public Utilities Commission

INFRASTRUCTURE DIVISION  
ENGINEERING MANAGEMENT BUREAU

EMB Mgr. \_\_\_\_\_  
WWE Engineering Mgr. \_\_\_\_\_  
WWE O&M Mgr. \_\_\_\_\_  
Section Mgr. \_\_\_\_\_  
Designed \_\_\_\_\_  
Drawn \_\_\_\_\_  
Checked/Approved \_\_\_\_\_

MUNDEN FRY LANDSCAPE ASSOCIATES

**MFLA**

MUNDEN FRY LANDSCAPE ARCHITECTURE  
105 W. NORTH STREET, HEALDSBURG, CA 95448  
415-543-8202

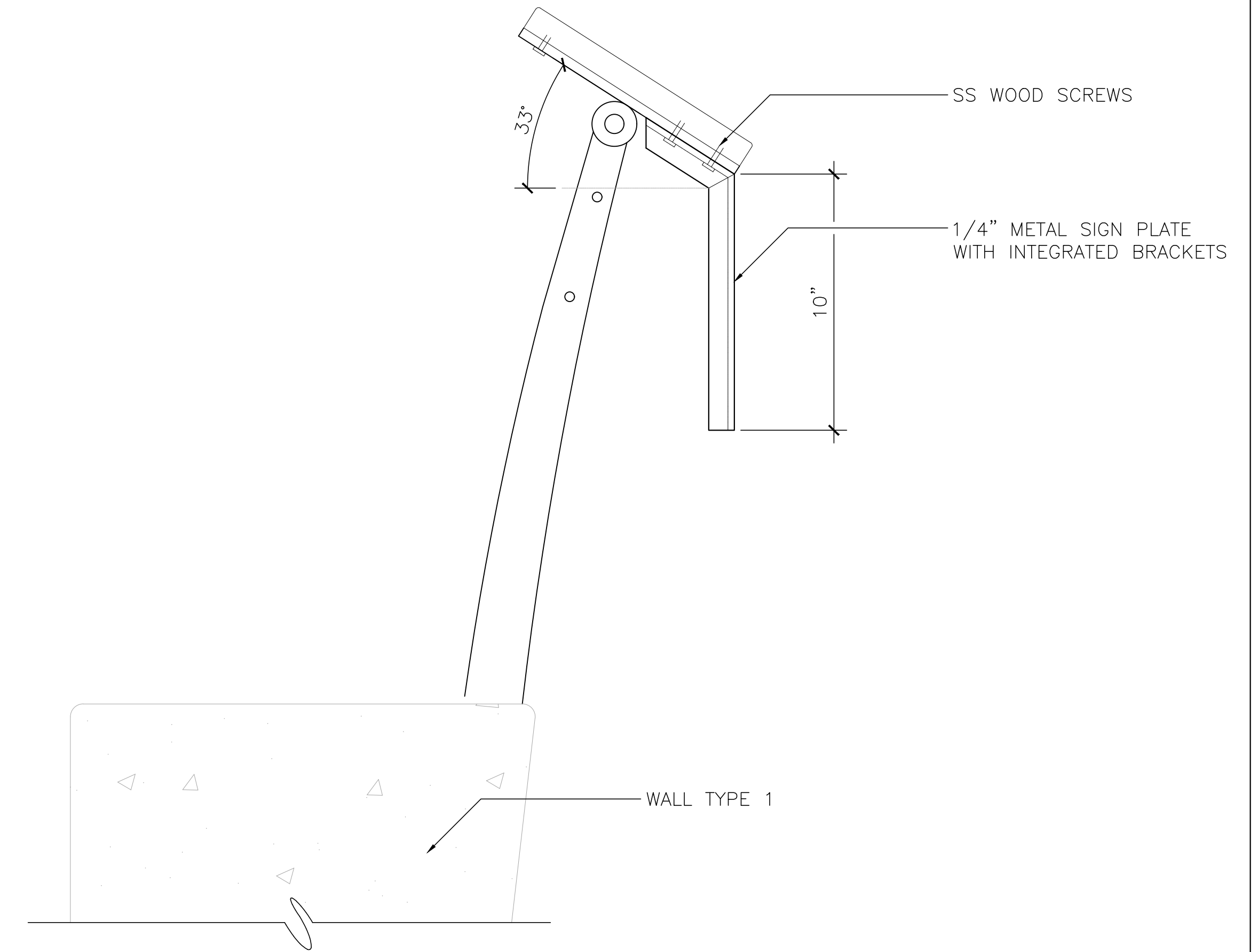
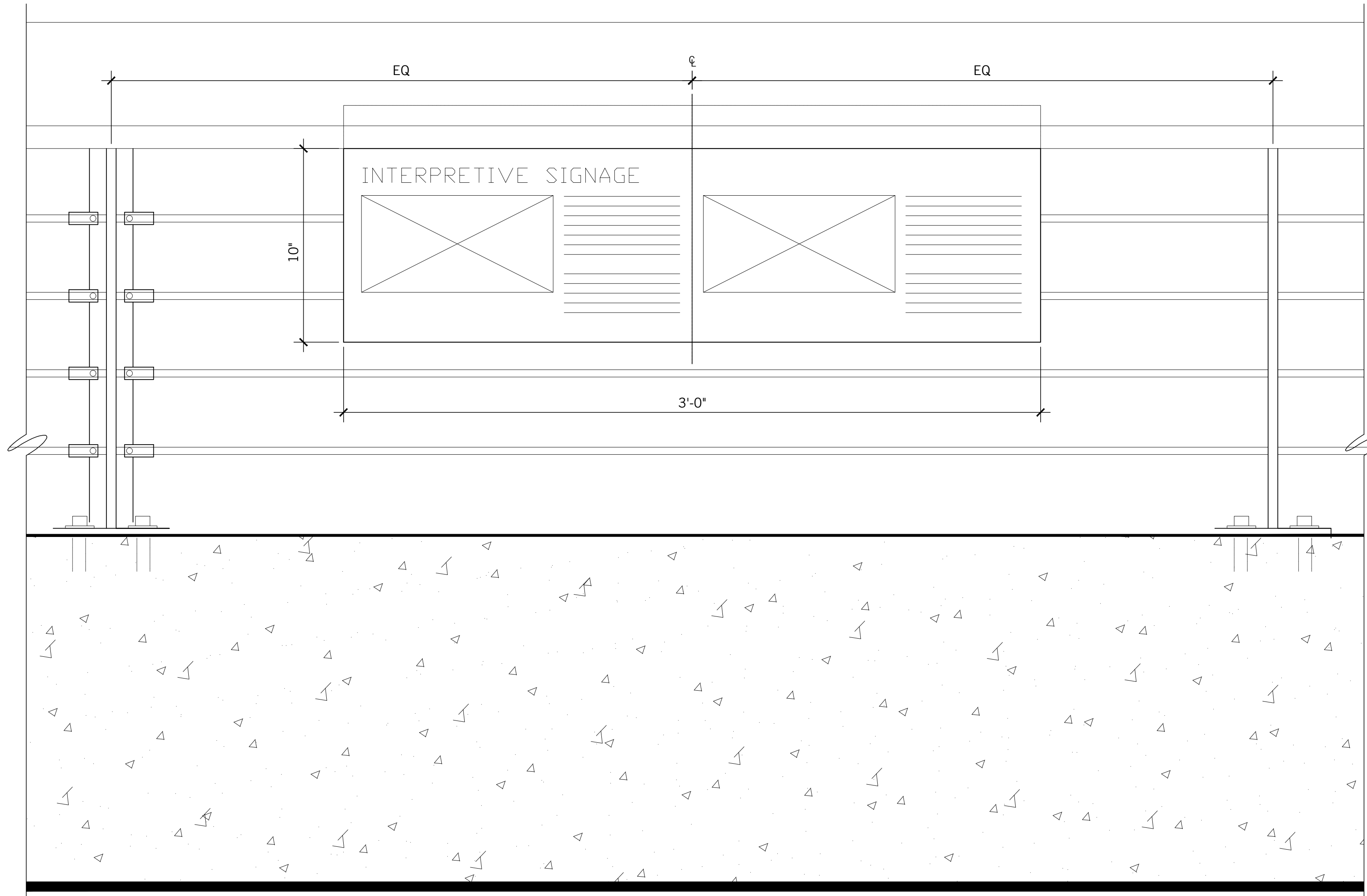
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Contract No. <b>WW-662</b>	Drawing Title <b>DETAILS - SIGNAGE</b>		Project No. PROJECT NO.
Elevation Datum XXXX	Drawing/File No.	Revision No. 0	Scale: AS SHOWN





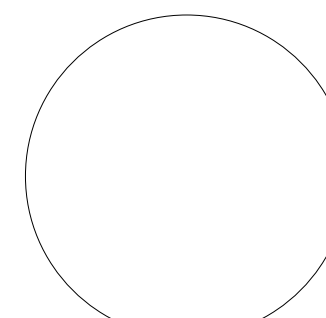
1 INTERPRETIVE SIGNAGE TYPE 3  
3" = 1'-0"


**San Francisco Water Power Sewer**  
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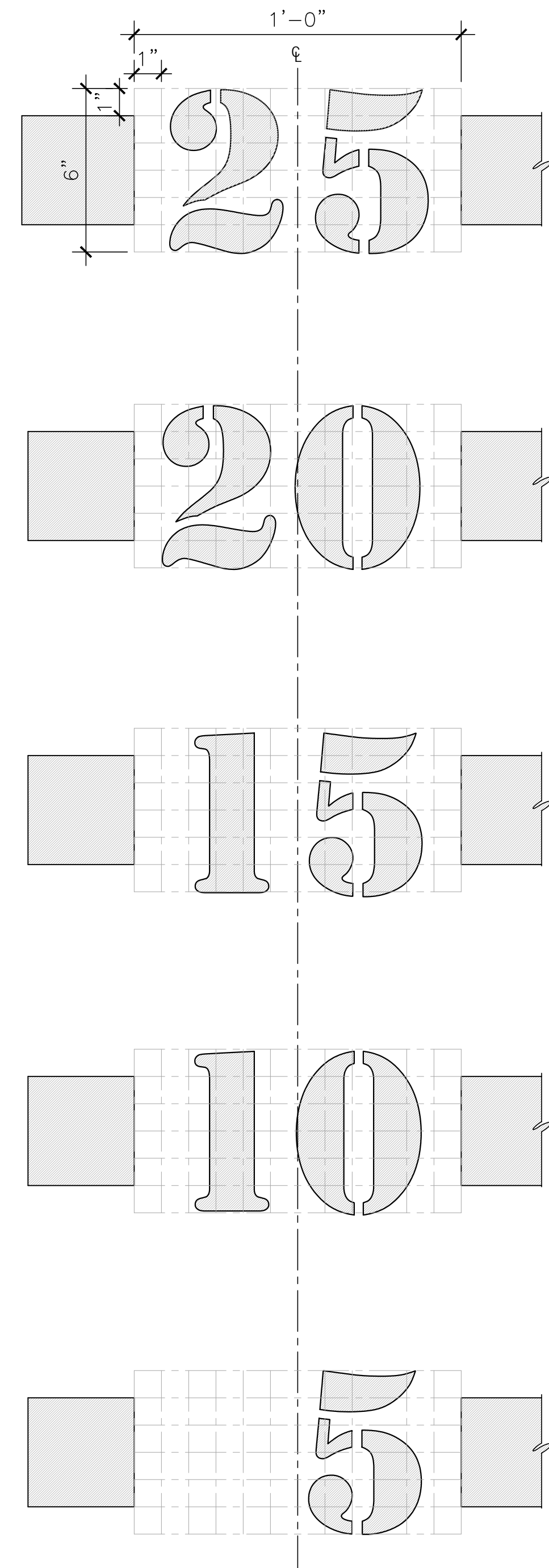
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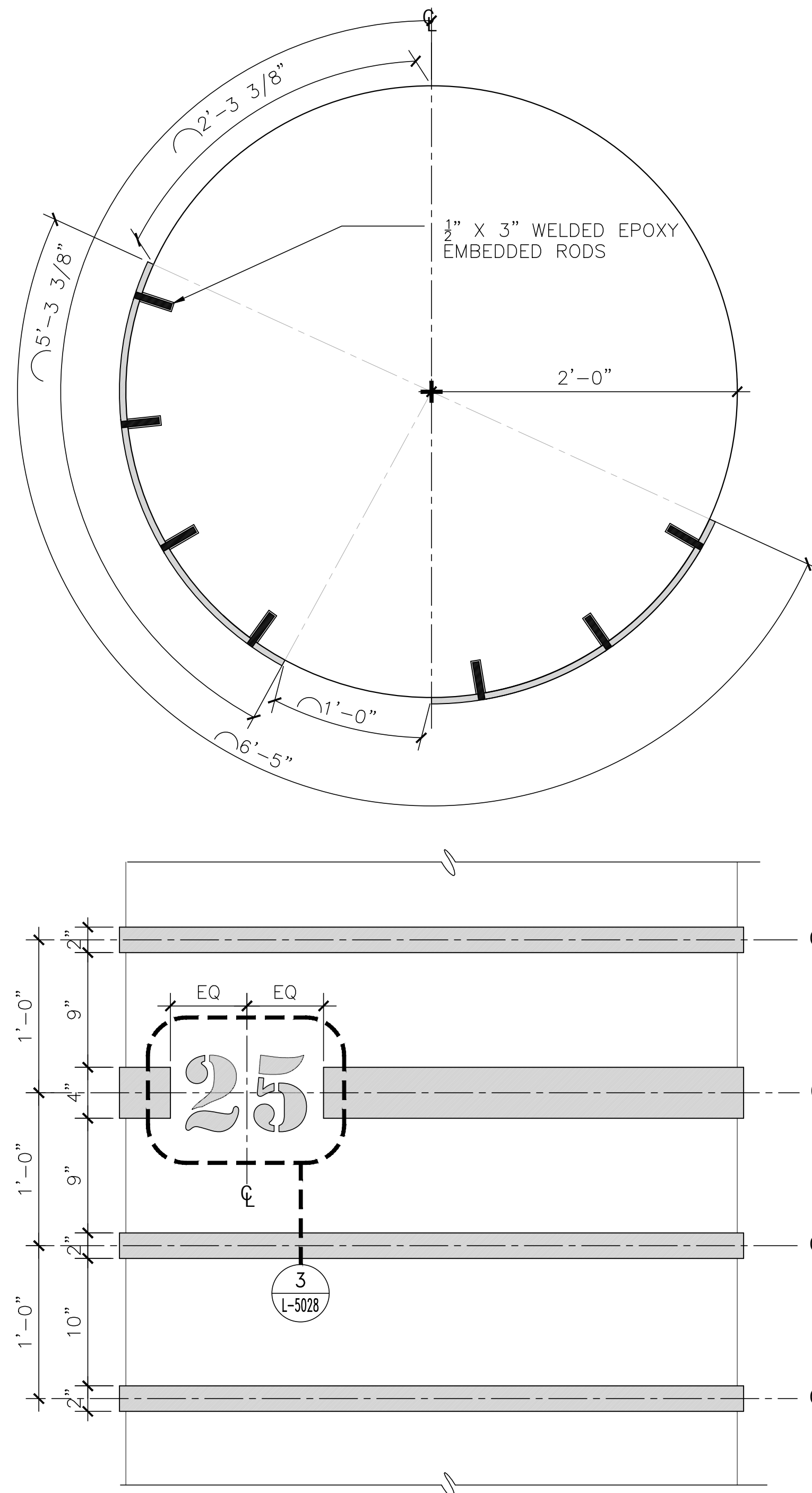
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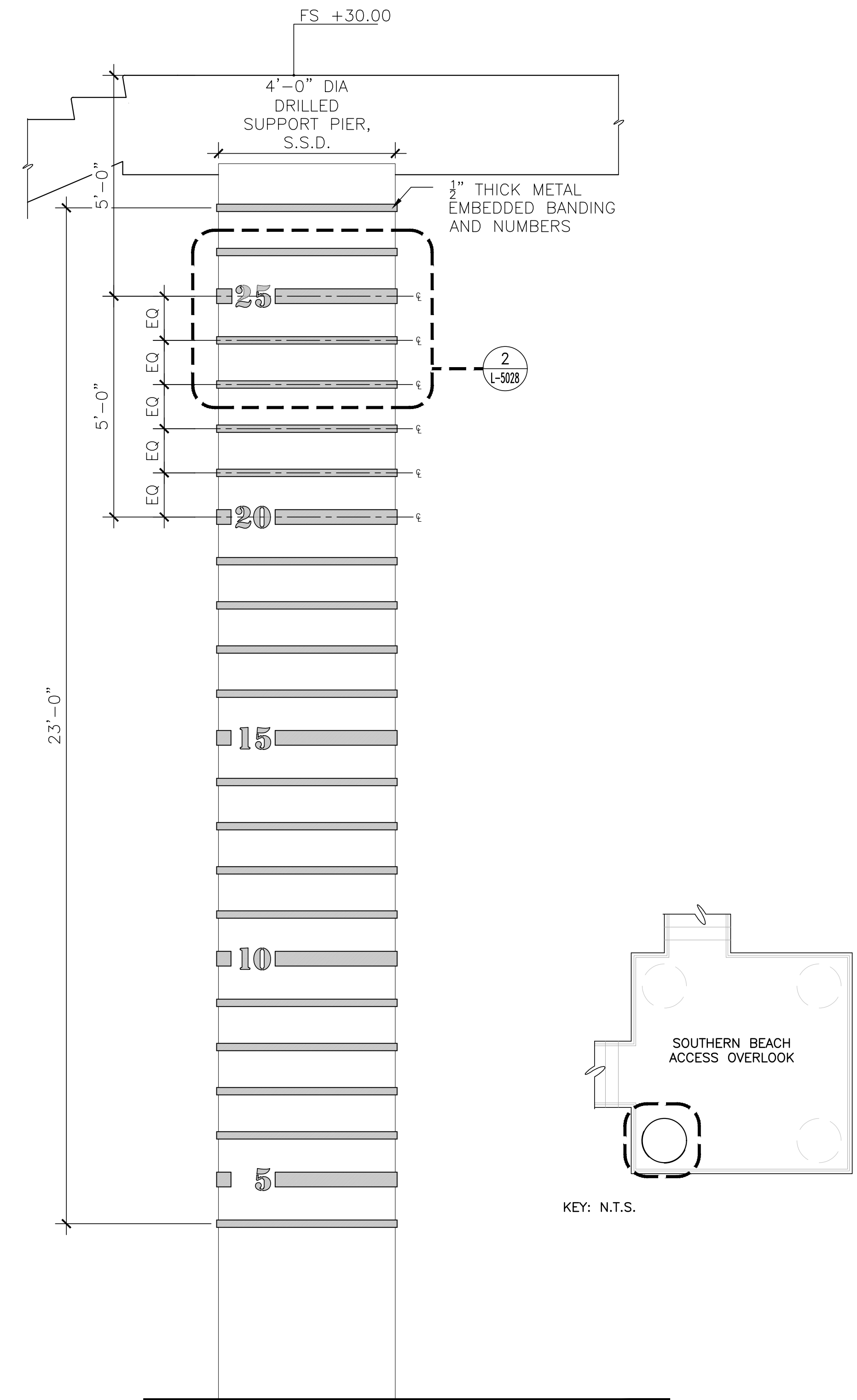
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Contract No <b>WW-662</b>	Drawing Title <b>DETAILS - SIGNAGE</b>		Project No. PROJECT NO.
Elevation Datum XXXX	Drawing/File No	Revision No. 0	Scale: AS SHOWN



3 BEACH DEPTH MEASUREMENT NUMBERS  
3" = 1'-0"



2 SAND DEPTH MEASUREMENT BANDING  
1 1/2" = 1'-0"



1 SAND DEPTH MEASUREMENT  
1/2" = 1'-0"

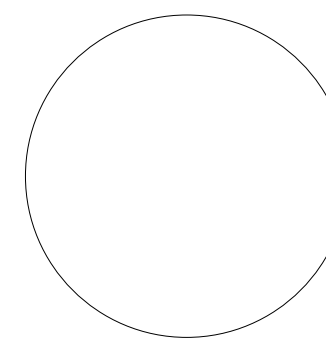


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WWE O&M Mgr. \_\_\_\_\_  
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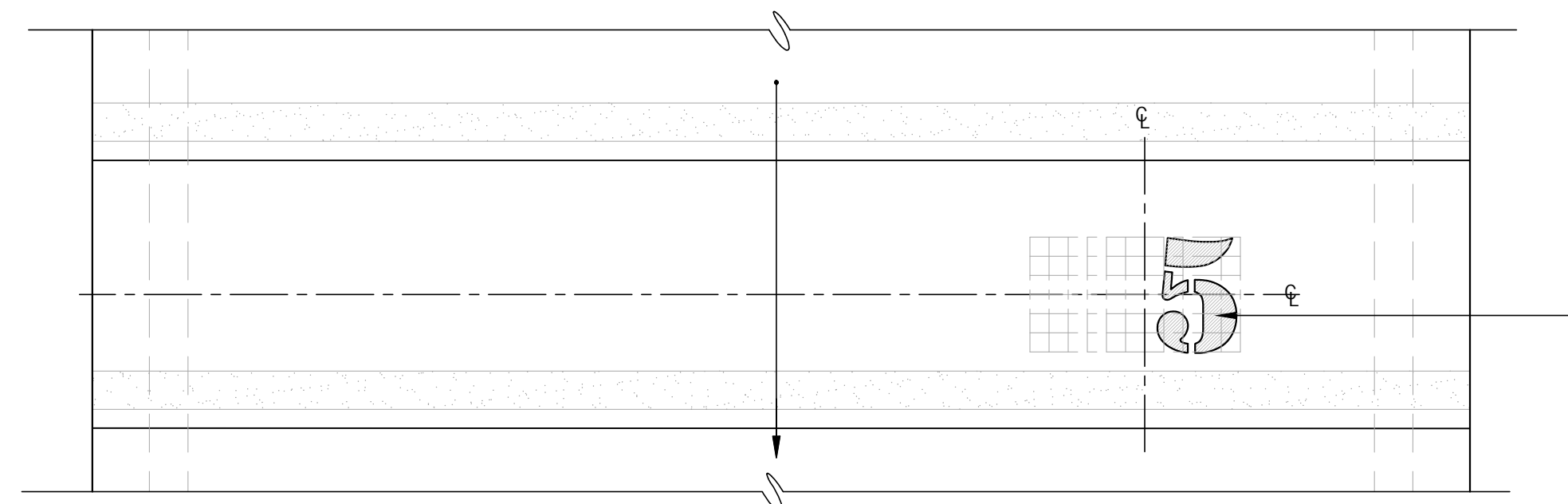
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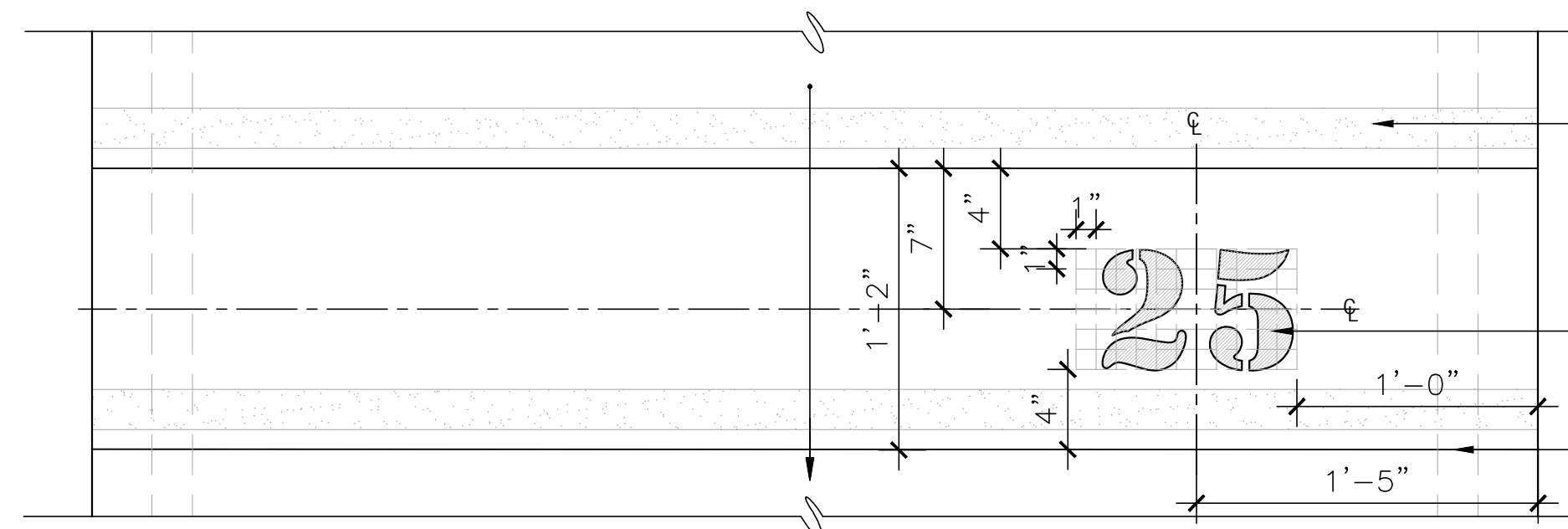
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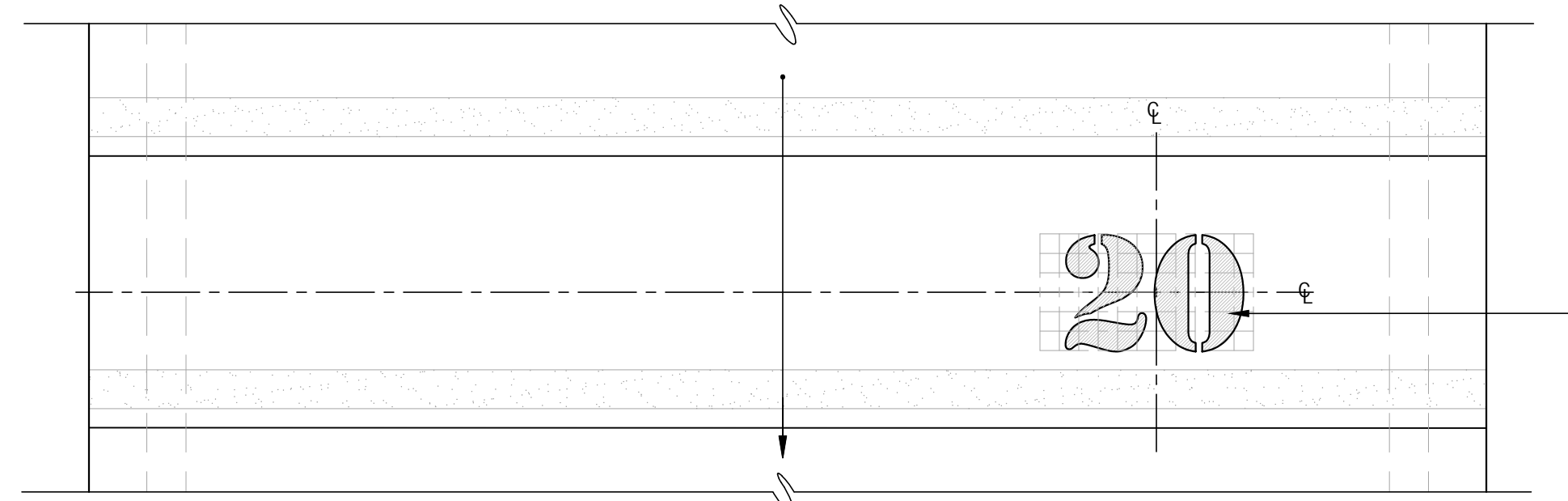
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Contract No WW-662	Drawing Title DETAILS - SIGNAGE		Project No. PROJECT NO.
Elevation Datum XXXX	Drawing/File No	Revision No. 0	Scale: AS SHOWN



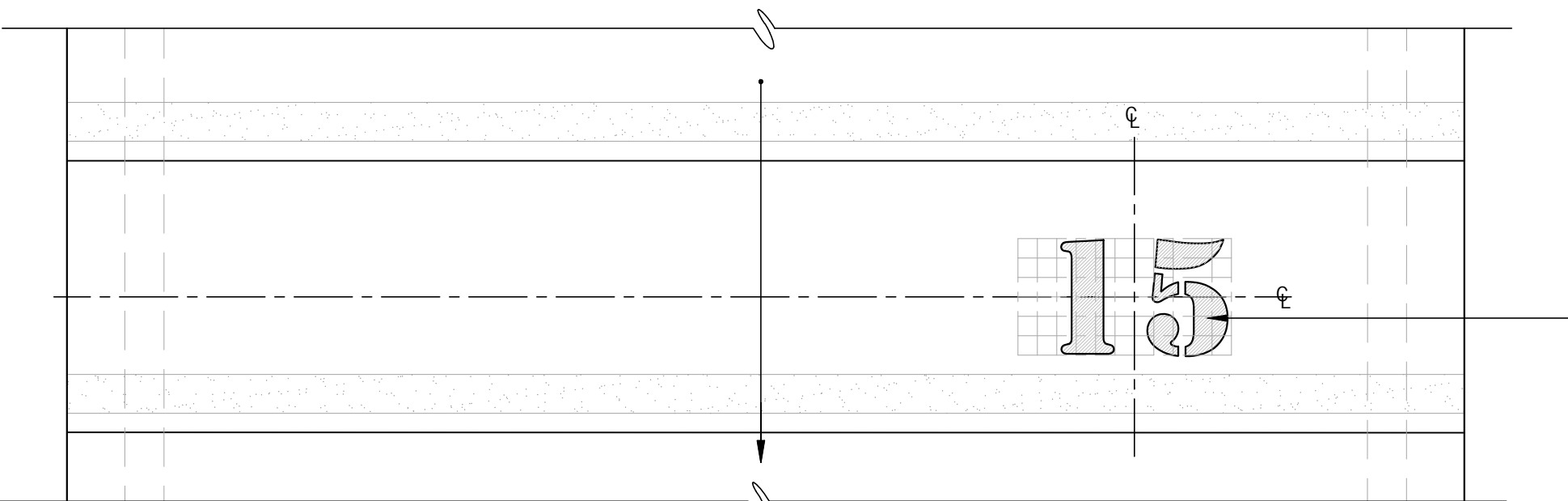
6 5' BEACH ELEVATION STAIR GRAPHIC  
1 1/2" = 1'-0"



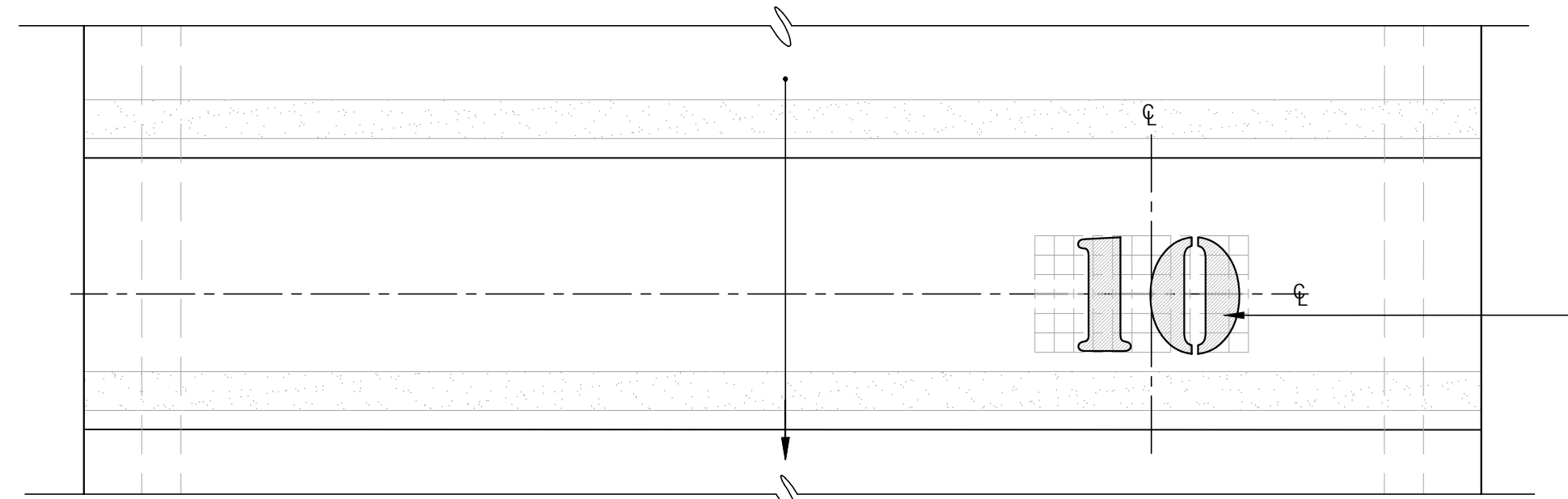
2 25' BEACH ELEVATION STAIR GRAPHIC  
1 1/2" = 1'-0"



3 20' BEACH ELEVATION STAIR GRAPHIC  
1 1/2" = 1'-0"

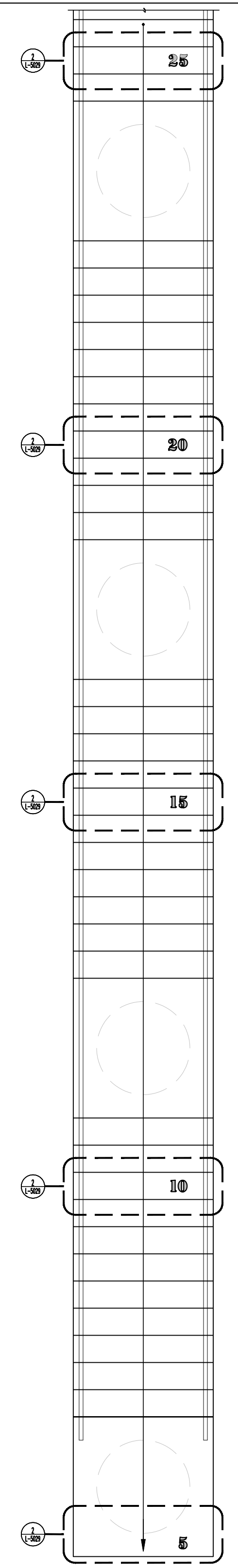


4 15' BEACH ELEVATION STAIR GRAPHIC  
1 1/2" = 1'-0"

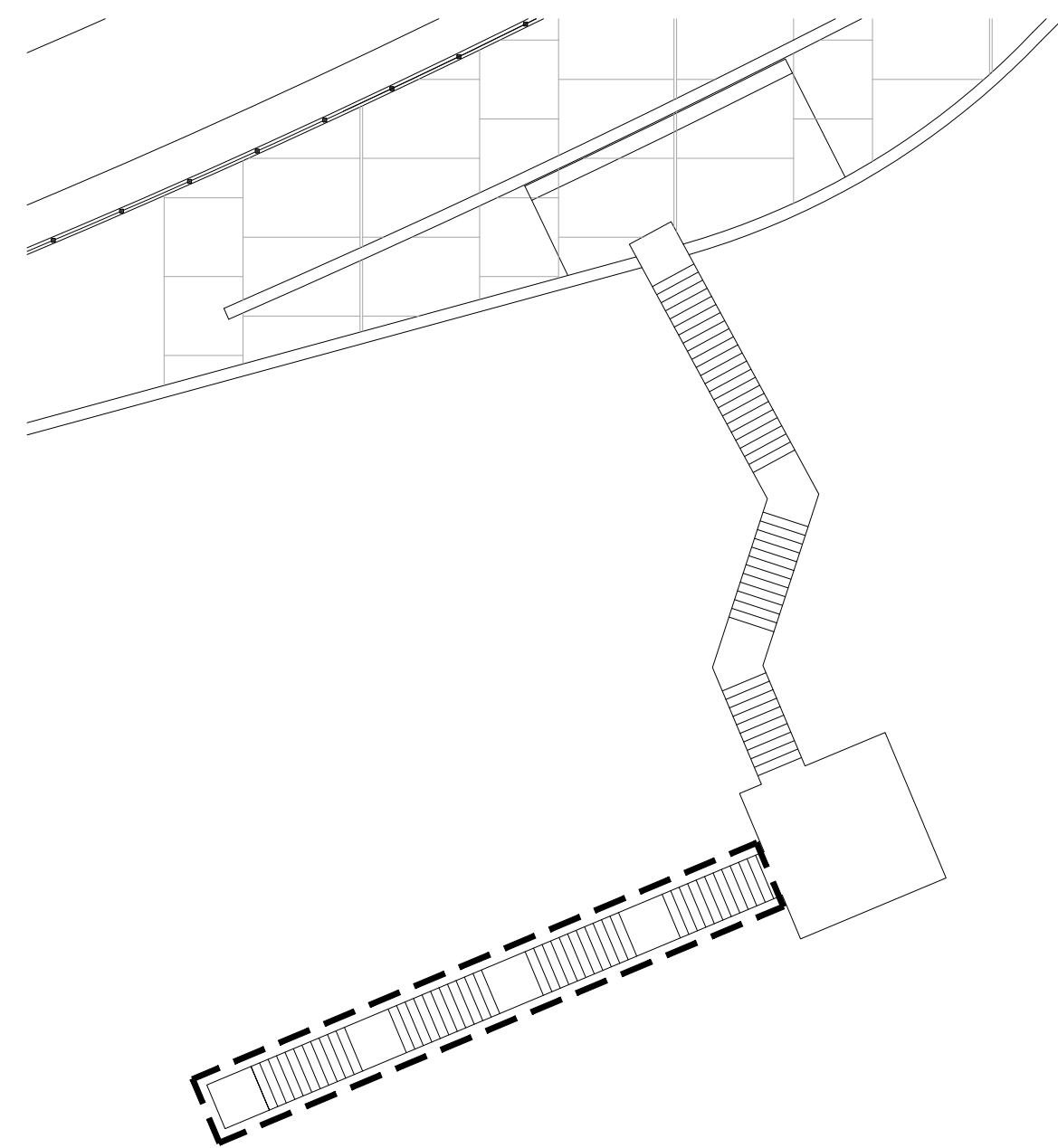


5 10' BEACH ELEVATION STAIR GRAPHIC  
1 1/2" = 1'-0"

TOE GRIP  
STAMPED GRAPHIC,  
1/4" DEPTH  
STAIR TREAD



1 BEACH ELEVATION STAIR GRAPHIC  
1/4" = 1'-0"



KEY: N.T.S.



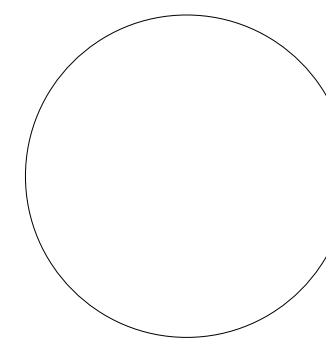
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EMB Mgr. \_\_\_\_\_  
WWE Engineering Mgr. \_\_\_\_\_  
WWE O&M Mgr. \_\_\_\_\_  
Section Mgr. \_\_\_\_\_  
Designed \_\_\_\_\_  
Drawn \_\_\_\_\_  
Checked/Approved \_\_\_\_\_



MUNDEN FRY LANDSCAPE ARCHITECTURE  
105 W. NORTH STREET, HEALDSBURG, CA 95448  
415-543-8202

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Contract No  
WW-662

Elevation Datum  
XXXX

Project  
OCEAN BEACH CLIMATE CHANGE ADAPTATION  
PROJECT - LONG TERM IMPROVEMENTS

Drawing Title  
DETAILS - SIGNAGE

Drawing/File No

Revision No. 0

Plan No.  
L-5029

Project No.  
PROJECT NO.

Scale: AS SHOWN

# SHEET INDEX

## GENERAL

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000-L-0001	NOTES AND ABBREVIATIONS

## LANDSCAPE ARCHITECTURE

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000-L-1009	GRADING PLAN - MEDIAN AND PARKING LOT	000-L-1028	PLANTING PLAN	000-L-3004	PARKING LOT INFILTRATION BASIN SECTION - BASIN F
000-L-1010	GRADING PLAN - PARKING LOT	000-L-4001	PLANTING PLAN - SACRIFICIAL ZONE AND VEGETATIVE STABILIZATION ZONE		
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000-L-1012	IRRIGATION PLAN	000-L-4003	PLANTING PLAN - INFILTRATION PLANTERS		
000-L-1013	IRRIGATION PLAN	000-L-4004	PLANTING PLAN - MEDIAN		
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000-L-1017	IRRIGATION PLAN	000-L-4008	PLANTING PLAN - PARKING LOT		
000-L-1018	IRRIGATION PLAN	000-L-4009	PLANTING ENLARGEMENT PLAN - SACRIFICIAL ZONE		
000-L-1019	IRRIGATION PLAN	000-L-4010	PLANTING ENLARGEMENT PLAN - VEGETATIVE STABILIZATION ZONE		
000-L-5001	IRRIGATION DETAILS	000-L-4011	PLANTING SCHEDULE		
000-L-5002	IRRIGATION DETAILS	000-L-4012	PLANTING SCHEDULE		
000-L-5003	IRRIGATION DETAILS	000-L-4013	PLANTING SCHEDULE		
000-L-5004	IRRIGATION DETAILS				

## APPLICABLE CODES:

ALL WORK TO BE PERFORMED SHALL CONFORM TO ALL APPLICABLE CODES AND ORDINANCES OF GOVERNMENTAL AGENCIES HAVING JURISDICTION OVER THE PROJECT, INCLUDING BUT NOT LIMITED TO:

- 2019 CALIFORNIA BUILDING CODE
- 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN
- SF DPW PUBLIC WORKS CODE
- ASTM 1292
- ASTM 1951
- ASTM 1487

## PROJECT TEAM

OWNER/PROJECT MANAGEMENT:  
SAN FRANCISCO PUBLIC UTILITIES COMMISSION  
ANNA ROCHE, PROJECT MANAGER

LANDSCAPE ARCHITECTURE:  
DEPARTMENT OF PUBLIC WORKS  
BUILDING DESIGN AND CONSTRUCTION  
ANDREA ALFONSO, LANDSCAPE ARCHITECT

CIVIL ENGINEER  
DEPARTMENT OF PUBLIC WORKS  
INFRASTRUCTURE DESIGN AND CONSTRUCTION  
BRIAN DEGUZMAN, CIVIL ENGINEER

PROJECT LOCATION



LOCATION MAP

HIGHWAY 1 BETWEEN SLOAT BLVD. AND SKYLINE BLVD.  
SAN FRANCISCO, CA 94132

NOT TO SCALE



EMB Mgr. ANNA ROCHE

WWVE Engineering Mgr. HEATHER MANDERS

WWVE O&M Mgr.

Section Mgr. HEATHER MANDERS

Designed

Drawn

Checked/Approved

BUREAU OF LANDSCAPE ARCHITECTURE

49 South Van Ness Ave., Suite 1000  
San Francisco, CA 94103  
Phone (628)271-2000

Bureau Mgr. JENNIFER COOPER

Deputy Bureau Mgr. N/A

Section Mgr. ANTHONY ESTERBROOKS

Proj. Engr.

Designed SG

Drawn DA

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Contract No. WW-662		OCEAN BEACH CLIMATE CHANGE ADAPTATION PROJECT - LONG TERM IMPROVEMENTS	L-0000
Elevation Datum	Drawing/File No.	INDEX AND CONTEXT MAP	Project No. 11381
	Revision No. 0	Scale: NTS	

## GENERAL LANDSCAPE NOTES

1. THESE NOTES AND LEGEND REFER TO THE LANDSCAPE ARCHITECTURAL "L" DRAWINGS.
2. FOR ADDITIONAL NOTES AND LEGEND, REFER TO THE ROADWAY "C," MUNDEN FRYE LANDSCAPE ARCHITECTS "MFLA," STORM WATER "SW" AND ARCHITECTURAL "A" DRAWINGS.
3. THE CONTRACTOR SHALL VERIFY EXISTING GRADES AND SITE CONDITIONS BEFORE PROCEEDING WITH ANY WORK.
4. THE LIMIT OF WORK (L.O.W.) OCCURS AT FACE OF BUILDINGS, AT PROPERTY LINES, AT EXISTING FENCES, AND AS SHOWN ON PLANS. THIS LINE, AS DESCRIBED ABOVE, IS DIAGRAMMATIC AND IS INTENDED TO DELINEATE LANDSCAPE WORK. FOR ADDITIONAL INFORMATION REGARDING L.O.W. FOR THIS CONTRACT WORK, SEE ROADWAY DOCUMENTS.
5. EXISTING CONDITIONS AS SHOWN ON THE DRAWINGS ARE SUBJECT TO DISCREPANCIES AND DO NOT NECESSARILY ACCURATELY REFLECT THE EXISTING SITE CONDITIONS. CONTRACTOR TO WALK SITE AND FIELD VERIFY ALL EXISTING SITE CONDITIONS PRIOR TO SUBMITTING BIDS. NOTIFY CITY REPRESENTATIVE OF ANY SIGNIFICANT DISCREPANCIES BETWEEN PLANS AND SITE CONDITIONS.
6. ANY REFERENCE IN THE DOCUMENT TO "AS DIRECTED" OR "DIRECTIONS" REFER TO DIRECTIONS GIVEN BY THE CITY REPRESENTATIVE/ LANDSCAPE ARCHITECT.
7. ALL WORK TO BE PERFORMED SHALL CONFORM TO ALL APPLICABLE CODES AND ORDINANCES OF GOVERNMENTAL AGENCIES HAVING JURISDICTION OVER THE PROJECT.
8. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT ALL UTILITIES, IMPROVEMENTS AND STRUCTURES WHETHER SHOWN ON THE DRAWINGS OR NOT AND RESTORE TO NEW CONDITION AS PROVIDED IN THE SPECS.
9. THE CONTRACTOR SHALL MAINTAIN ALL GRADES, LINES, LEVELS, AT LOCATIONS AS REQUIRED FOR THE PROPER EXECUTION OF THE WORK.
10. THE CONTRACTOR SHALL COORDINATE ALL WORK TO PREVENT CONFLICTS BETWEEN TRADES AND SHALL REPORT CONFLICTS OR INCONGRUITIES BETWEEN NEW IMPROVEMENTS AND/OR EXISTING FACILITIES TO THE CITY REPRESENTATIVE IMMEDIATELY.
11. CONTRACTOR RESPONSIBLE FOR PROVIDING ALL QUANTITIES OF MATERIALS SHOWN ON DRAWINGS.

## GENERAL LANDSCAPE NOTES

1. SEE C-DWGS FOR DEMOLITION PLAN.
2. PUBLIC WORKS LANDSCAPE ARCHITECTURE DRAWINGS TO INCLUDE TREE PROTECTION PLAN.

## LAYOUT NOTES

SEE C-DWGS AND MFLA-DWGS FOR LAYOUT PLANS.

## GRADING & SOIL PREP. NOTES

1. SEE C-DWGS AND MFLA-DWGS FOR ADDITIONAL GRADING INFORMATION.
2. VERIFY ALL GRADES IN THE FIELD BEFORE PROCEEDING WITH WORK, INCLUDING EXISTING IMPROVEMENTS; LOCATIONS AND ELEVATIONS OF AREA DRAINS.
3. EXISTING GRADES SHOWN ARE APPROXIMATE AND SHALL BE FIELD VERIFIED. ALL DISCREPANCIES SHALL BE REPORTED TO THE CITY REPRESENTATIVE IMMEDIATELY.
4. PROVIDE A SMOOTH TRANSITION BETWEEN EXISTING AND NEW GRADES. EASE TOP AND TOE OF ALL SLOPES TO PROVIDE SMOOTH TRANSITIONS BETWEEN GROUND PLANES.
5. THE CITY REPRESENTATIVE RESERVES THE RIGHT TO MAKE ADJUSTMENTS IN THE FINISHED GRADES AS THE WORK PROGRESSES.
6. ELEVATIONS ARE BASED ON CITY AND COUNTY OF SAN FRANCISCO DATUM, UNLESS OTHERWISE NOTED.
7. CONTOUR LINES ARE SHOWN AS APPROXIMATIONS FOR QUICK REFERENCE. USE SPOT ELEVATIONS TO CONSTRUCT GRADING SCOPE.

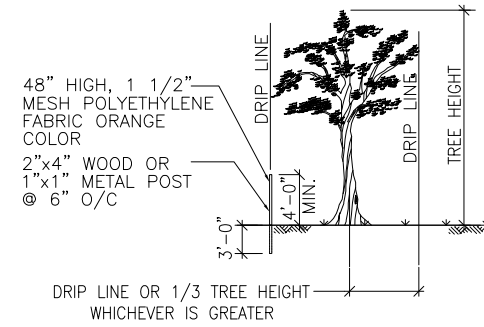
## PLANTING NOTES

1. SEE SPECIFICATIONS FOR FULL PLANTING INFORMATION.
2. PLANT LIST IS FOR THE CONVENIENCE OF THE CONTRACTOR. IN CASE OF DISCREPANCIES, THE PLAN SHALL GOVERN.
3. SUBMIT DOCUMENTATION VERIFYING PROVENANCE OF PLANT MATERIAL FOR APPROVAL PRIOR TO PURCHASE - SEE SPECS. CITY REPRESENTATIVE IS TO INSPECT PLANT MATERIALS AT NURSERY GROWING GROUNDS PRIOR TO DELIVERY. CONTRACTOR SHALL REVIEW ALL PLANT MATERIAL ON SITE WITH THE CITY REPRESENTATIVE AND SHALL INSTALL MATERIAL ONLY AFTER OBTAINING APPROVAL FROM THE CITY REPRESENTATIVE. SEE SPECIFICATION 32 90 00.
4. THE CITY REPRESENTATIVE RESERVES THE RIGHT TO MAKE SUBSTITUTIONS, ADDITIONS, OR DELETIONS IN THE PLANTING SCHEME AS THE WORK PROGRESSES.
5. PLANT MATERIAL SHALL BE SOURCED FROM THE GOLDEN GATE NATIONAL PARKS CONSERVANCY (GGNPC) NURSERY, LOCATED AT FT. FUNSTON. SEE SPECIFICATIONS.
6. CUT BRUSH TO BE SOURCED FROM CCSF SOURCES, SUCH AS THE BUREAU OF URBAN FORESTRY. SEE SPECIFICATIONS.
7. CONTRACTOR SHALL REVIEW PLANT MATERIAL LOCATION PRIOR TO FINAL PLANTING WITH THE CITY REPRESENTATIVE. LOCATIONS SHOWN ON PLANS ARE DIAGRAMMATIC ONLY.
8. UNLESS OTHERWISE NOTED, ALL GROUND COVER AND SHRUBS SHALL BE SPACED TRIANGULARLY.
9. SEE SPECIFICATIONS FOR COMPLETE PLANTING PIT BACKFILL.
10. ALL AREAS EXCEPT FOR INFILTRATION BASINS AND VEGETATIVE STABILIZATION ZONE / SACRIFICIAL ZONE SHALL INCLUDE 3" OF BARK MULCH.

## TREE PROTECTION

### TYPICAL EXISTING TREE PROTECTION

NO SCALE



### TREE PROTECTION NOTES:

1. REFER TO STANDARD SPECIFICATIONS OF THE CITY AND COUNTY OF SAN FRANCISCO DEPARTMENT OF PUBLIC WORKS - 01 56 39 TEMPORARY TREE AND PLANT PROTECTION.
2. PROTECT ALL EXISTING TREES WHOSE DRIP LINE LIES WITHIN 25 FEET OF EXCAVATION, TRENCHING, GRADING, OR PATHWAY WORK, AGAINST INJURY OR DAMAGE FROM CONSTRUCTION OPERATIONS.
3. PROTECT TREES PRIOR TO COMMENCING WORK BY ERECTING A TEMPORARY SAFETY FENCE ON SIDE(S) ADJACENT TO CONSTRUCTION OR AS INDICATED ON PLANS.
4. ROOTS 2 INCHES DIAMETER AND LARGER SHALL BE HAND EXCAVATED AND LEFT INTACT. SMALLER ROOTS THAT REQUIRE CUTTING SHALL BE CUT CLEANLY AND OBLIQUELY WITH CUT SURFACES FACING DOWNWARD, AND KEPT CONTINUOUSLY MOIST UNTIL BACKFILL IS REPLACED. DO NOT APPLY PRUNING SEALS TO CUT END OF ROOT.
5. DAMAGED TREES, INCLUDING WOUNDS TO BRANCHES AND ROOTS, SHALL BE PROMPTLY REPAIRED. FOR TREE ROOTS 2 INCHES DIAMETER AND LARGER, CONTACT THE CITY REPRESENTATIVE PRIOR TO CUTTING.

## ABBREVIATIONS

A	ARCHITECTURAL	MH	MANHOLE
AC	ASPHALTIC CONCRETE	MIN.	MINIMUM
APPROX.	APPROXIMATE	MFLA	MUNDEN FRYE LANDSCAPE ARCHITECTS
B.C.	BOTTOM OF CURB	(N)	NEW
BLDG.	BUILDING	NAVD	NORTH AMERICAN VERTICAL DATUM
BLVD.	BOULEVARD	NO.	NUMBER
B.O.	BY OTHERS	N.T.S.	NOT TO SCALE
B.O.C.	BACK OF CURB	O.C.	ON CENTER
C	CIVIL ENGINEERING	P.A.	PLANTING AREA
CCSF	CITY & COUNTY OF SAN FRANCISCO	P.O.B.	POINT OF BEGINNING
CL	CENTER LINE	RDWY	ROADWAY
CONC.	CONCRETE	REF.	REFERENCE
COND.	CONDITION	S.	STRUCTURAL ENGINEERING
CONT.	CONTINUOUS	SECT.	SECTION
DSM	DEEP SOIL MIXING	SHT.	SHEET
DWG	DRAWING	SIM.	SIMILAR
(E)	EXISTING	SPECS.	SPECIFICATIONS
EA	EACH	SS	SANITARY SEWER
EQ	EQUAL	ST.	STREET
F.G.	FINISH GRADE	STD.	STANDARD
F.O.C.	FACE OF CURB	SW	STORM WATER
F.S.	FINISH SURFACE	TN	TOP OF NOTCH
F.T.	FEET	TWW	TOP OF WEIR WALL
H.P.	HIGH POINT	TYP.	TYPICAL
IN.	INCHES	U.O.N.	UNLESS OTHERWISE NOTED
L	LANDSCAPE	V.I.F.	VERIFY IN FIELD
LP	LOW POINT		
L.O.W.	LIMIT OF WORK		
MAX.	MAXIMUM		



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ENGINEERING MANAGEMENT BUREAU

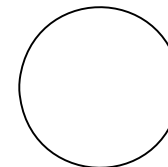
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Contract No  
WW-662

Elevation Datum

Project  
OCEAN BEACH CLIMATE CHANGE ADAPTATION  
PROJECT - LONG TERM IMPROVEMENTS

Drawing Title  
NOTES AND  
ABBREVIATIONS

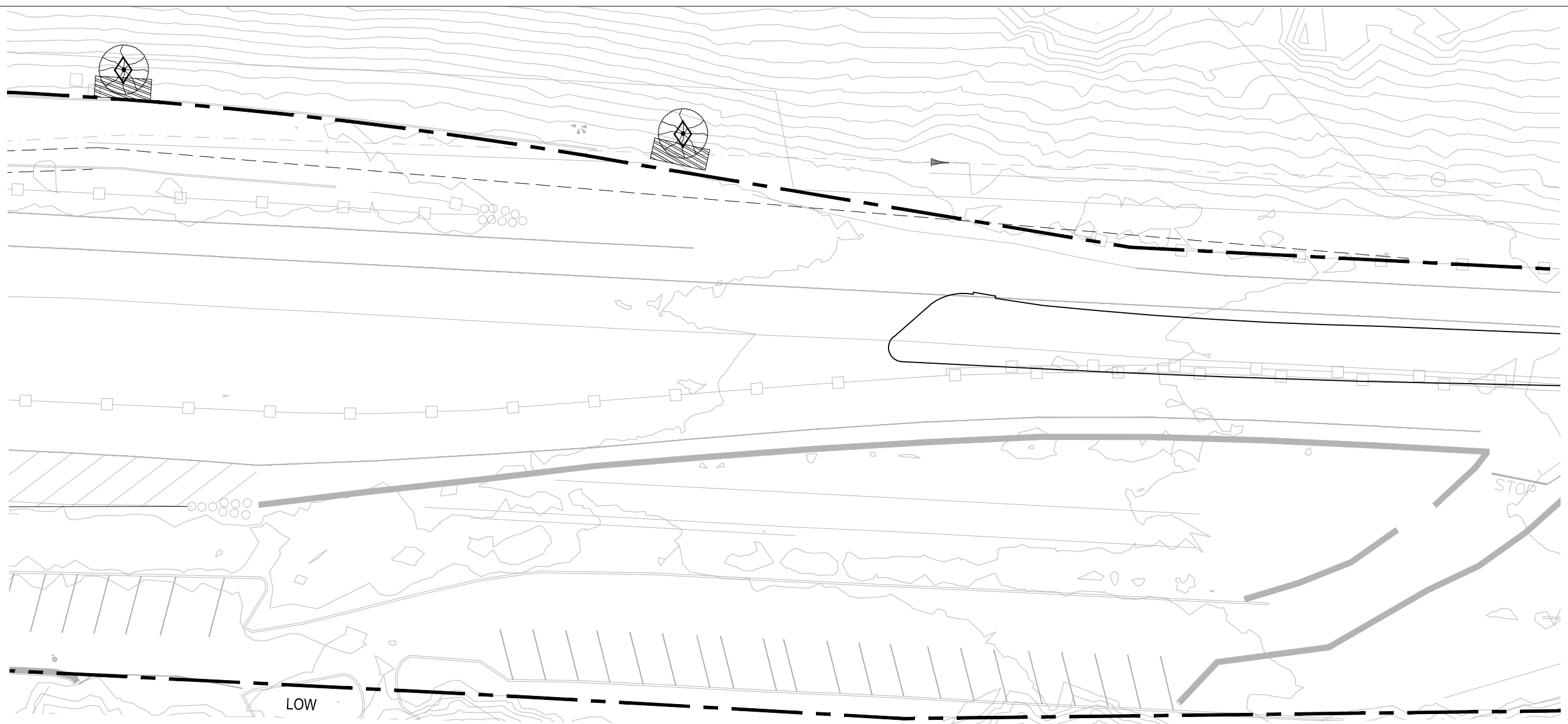
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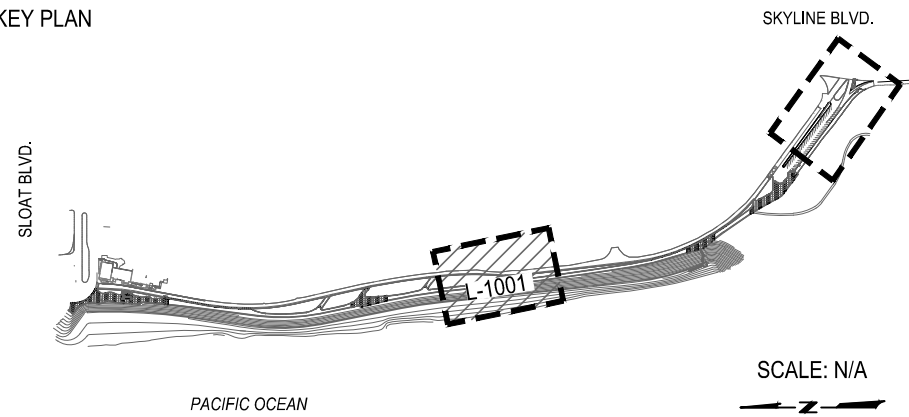
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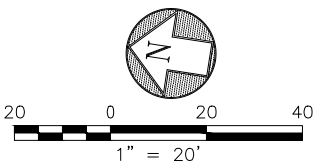
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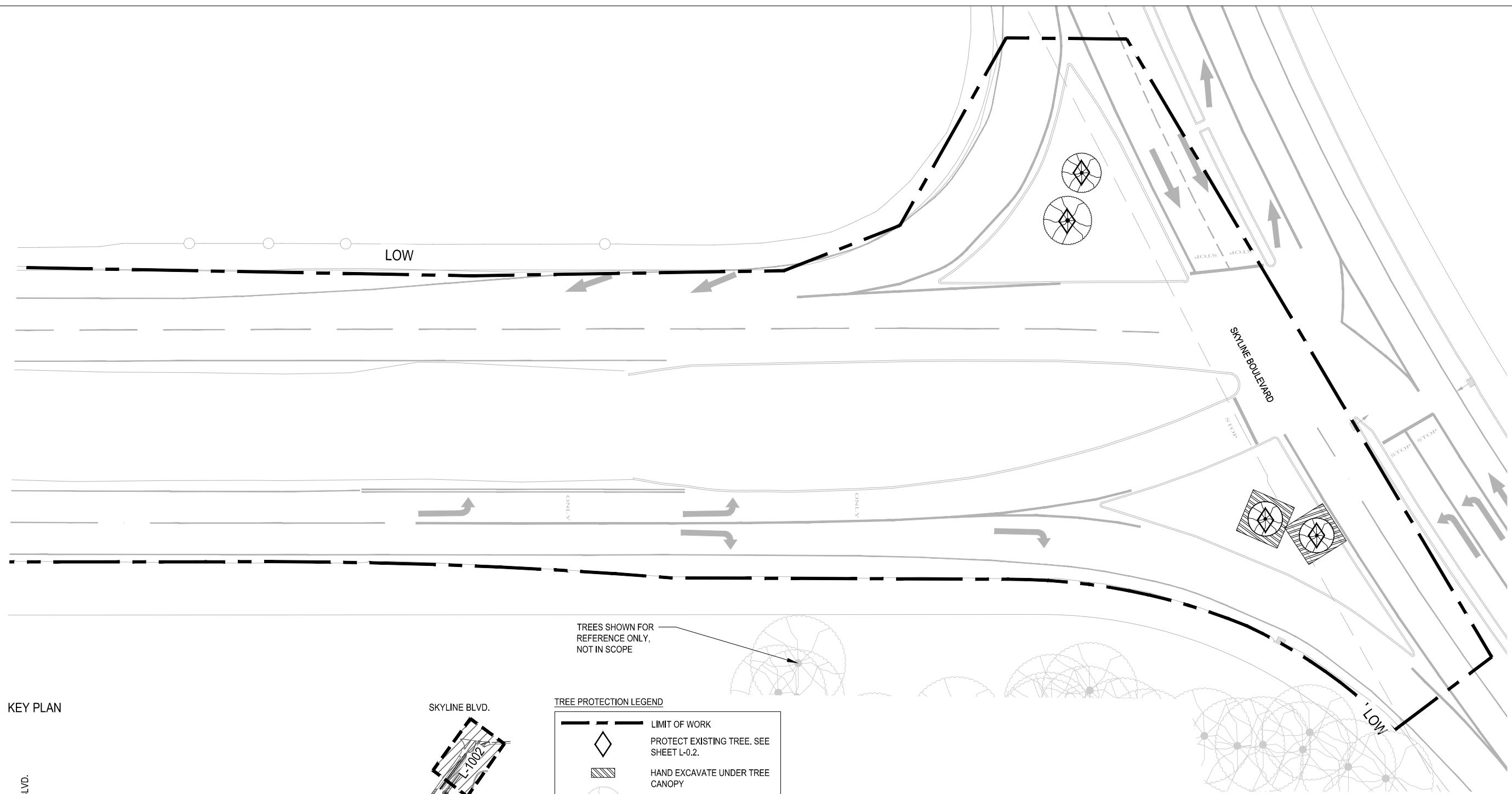
**TREE PROTECTION LEGEND**

	LIMIT OF WORK
	PROTECT EXISTING TREE. SEE SHEET L-0.2.
	HAND EXCAVATE UNDER TREE CANOPY
	(E) TREE NOT IN SCOPE

SCALE: N/A

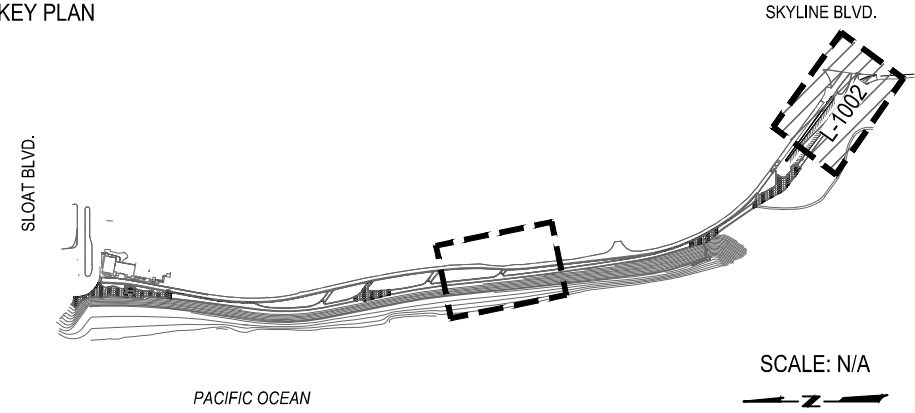


 Services of the San Francisco Public Utilities Commission INFRASTRUCTURE DIVISION ENGINEERING MANAGEMENT BUREAU	EMB Mgr. ANNA ROCHE WVE Engineering Mgr. HEATHER MANDERS WVE O&M Mgr. _____ Section Mgr. HEATHER MANDERS Designed _____ Drawn _____ Checked/Approved _____	BUREAU OF LANDSCAPE ARCHITECTURE  49 South Van Ness Ave., Suite 1000 San Francisco, CA 94103 Phone (628)271-2000	Bureau Mgr. JENNIFER COOPER Deputy Bureau Mgr. N/A Section Mgr. ANTHONY ESTERBROOKS Proj. Engr. _____ Designed SG Drawn DA Checked by AA	95% SUBMITTAL 04/14/23 <table border="1"> <thead> <tr> <th>No.</th> <th>Date</th> <th>Revisions</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>	No.	Date	Revisions																															Project <b>OCEAN BEACH CLIMATE CHANGE ADAPTATION PROJECT - LONG TERM IMPROVEMENTS</b> Contract No. WW-662 Elevation Datum _____	Plan No. <b>L-1001</b> Project No. 11381 Drawing Title <b>TREE PROTECTION PLAN</b> Drawing/File No _____ Revision No. 0 Scale: 1"=20'
	No.	Date	Revisions																																				



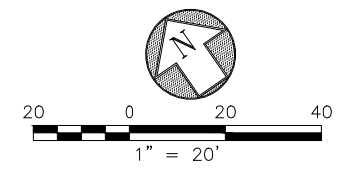
TREES SHOWN FOR REFERENCE ONLY, NOT IN SCOPE

KEY PLAN



**TREE PROTECTION LEGEND**

	LIMIT OF WORK
	PROTECT EXISTING TREE. SEE SHEET L-0.2.
	HAND EXCAVATE UNDER TREE CANOPY
	(E) TREE NOT IN SCOPE



SCALE: N/A

San Francisco Water Power Sewer  
 Services of the San Francisco Public Utilities Commission  
 INFRASTRUCTURE DIVISION  
 ENGINEERING MANAGEMENT BUREAU

EMB Mgr. ANNA ROCHE  
 WW Engineering Mgr. HEATHER MANDERS  
 WW O&M Mgr.  
 Section Mgr. HEATHER MANDERS  
 Designed  
 Drawn  
 Checked/Approved

BUREAU OF LANDSCAPE ARCHITECTURE

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 San Francisco, CA 94103  
 Phone (628)271-2000

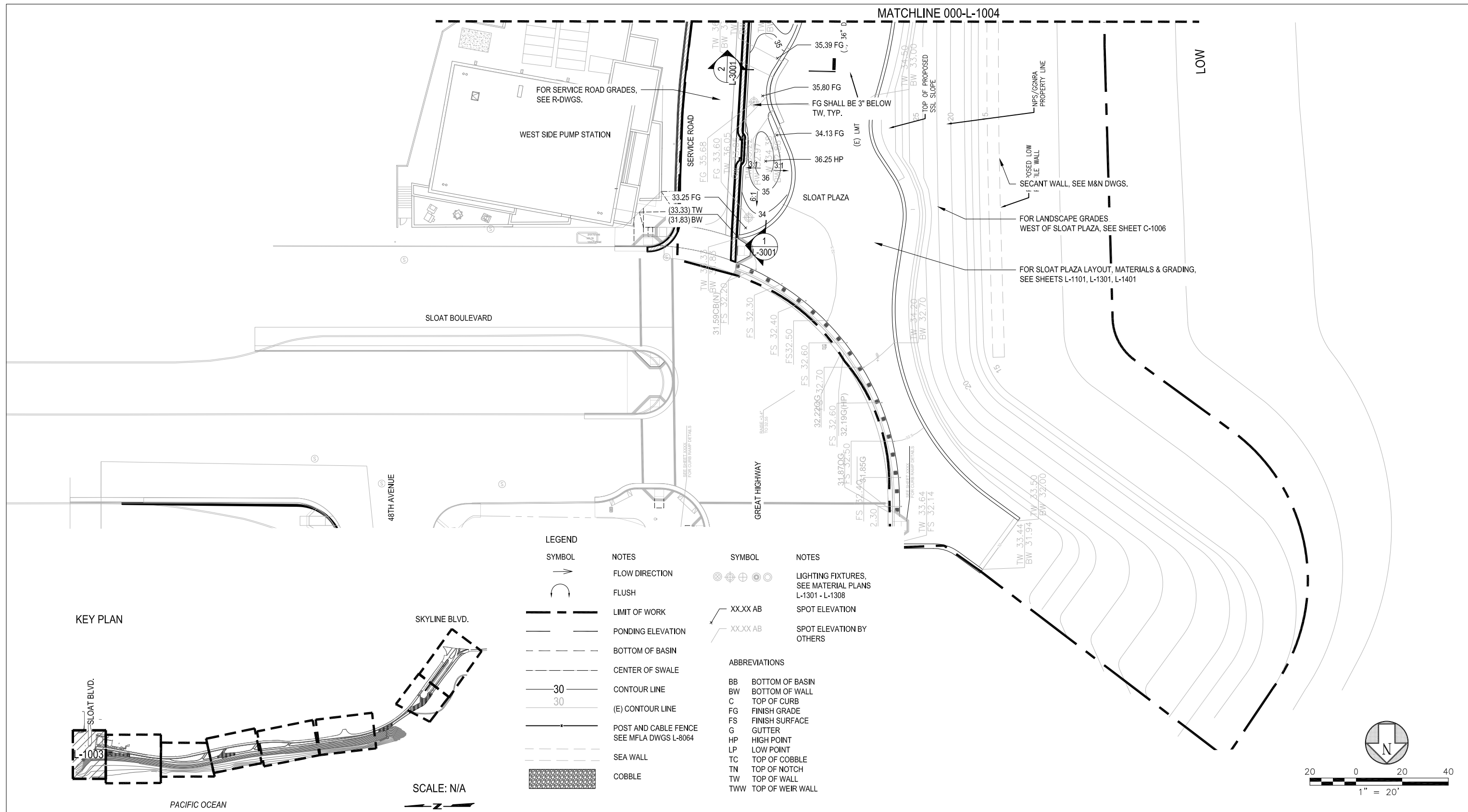
Bureau Mgr. JENNIFER COOPER  
 Deputy Bureau Mgr. N/A  
 Section Mgr. ANTHONY ESTERBROOKS

Proj. Engr.  
 Designed SG  
 Drawn DA  
 Checked by AA

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No.	Date	Revisions

Contract No. WW-662	Project OCEAN BEACH CLIMATE CHANGE ADAPTATION PROJECT - LONG TERM IMPROVEMENTS	Plan No. L-1002
Elevation Datum	Drawing Title TREE PROTECTION PLAN	Project No. 11381
Drawing/File No	Revision No. 0	Scale: 1"=20'



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WWE Engineering Mgr. HEATHER MANDERS

WWE O&M Mgr.

Section Mgr. HEATHER MANDERS

Designed

Drawn

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BUREAU OF LANDSCAPE ARCHITECTURE

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Deputy Bureau Mgr. N/A

Section Mgr. ANTHONY ESTERBROOKS

Proj. Engr.

Designed SG

Drawn DA

Checked by AA

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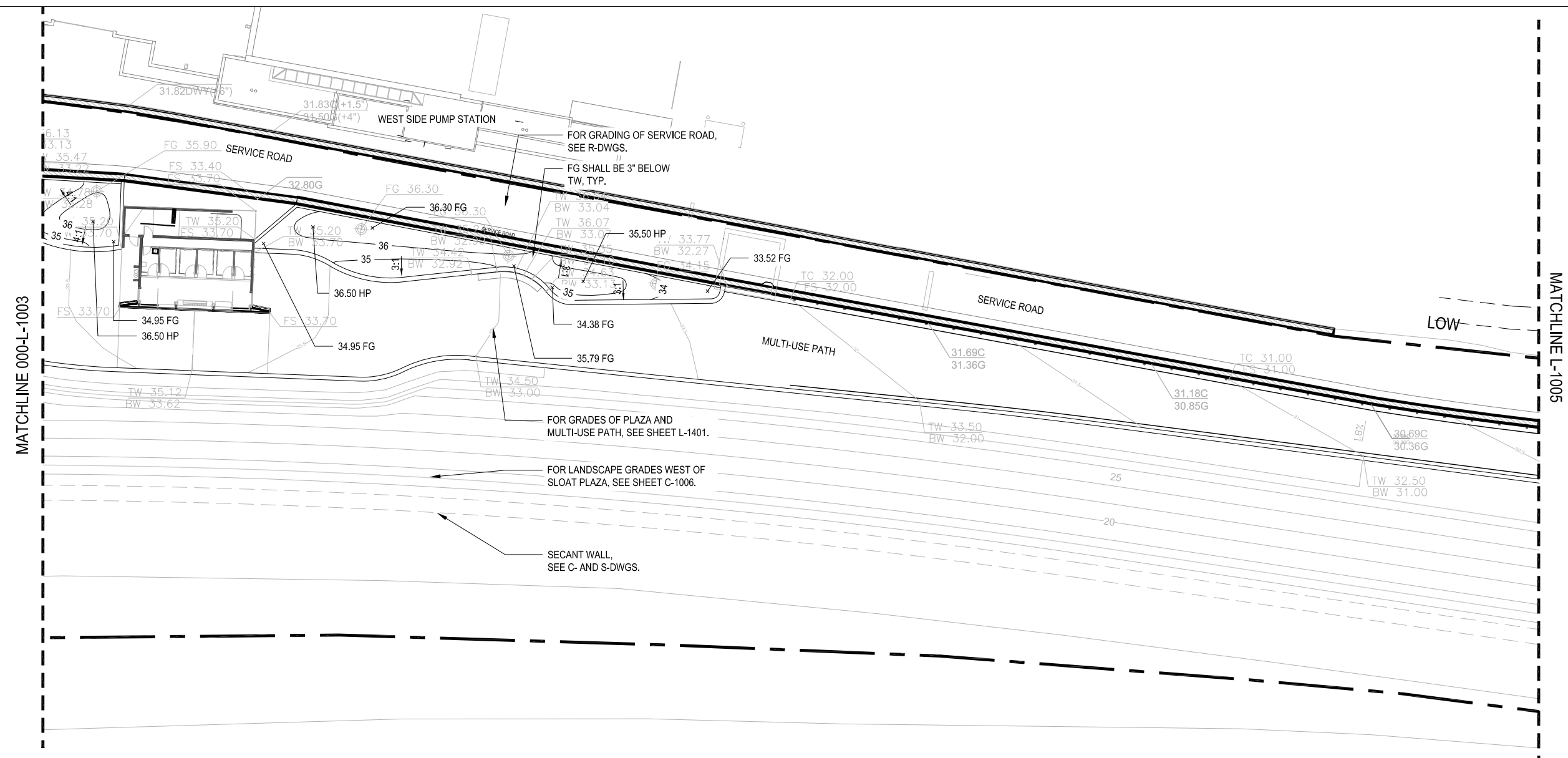
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No.	Date	Revisions

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Contract No. <b>WW-662</b>	Drawing Title <b>GRADING PLAN - SLOAT PLAZA</b>	Project No. 11381
Elevation Datum	Drawing/File No.	Revision No. 0
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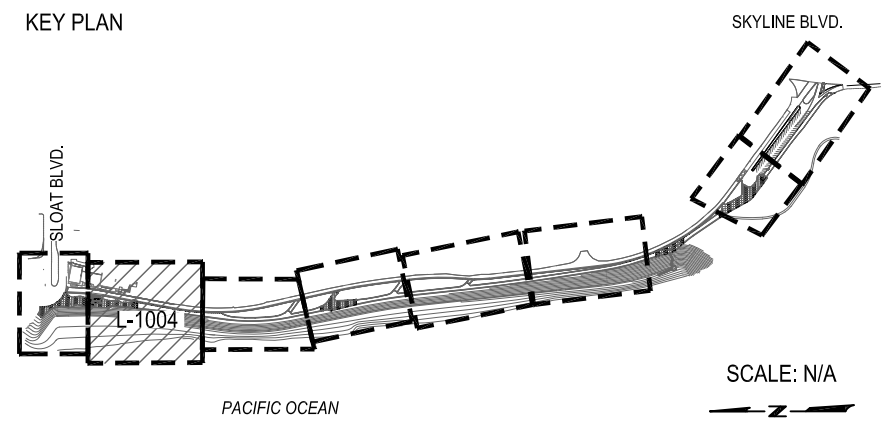




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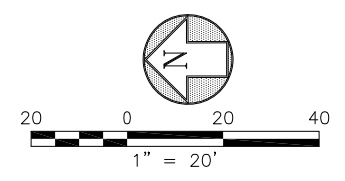
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**KEY PLAN**

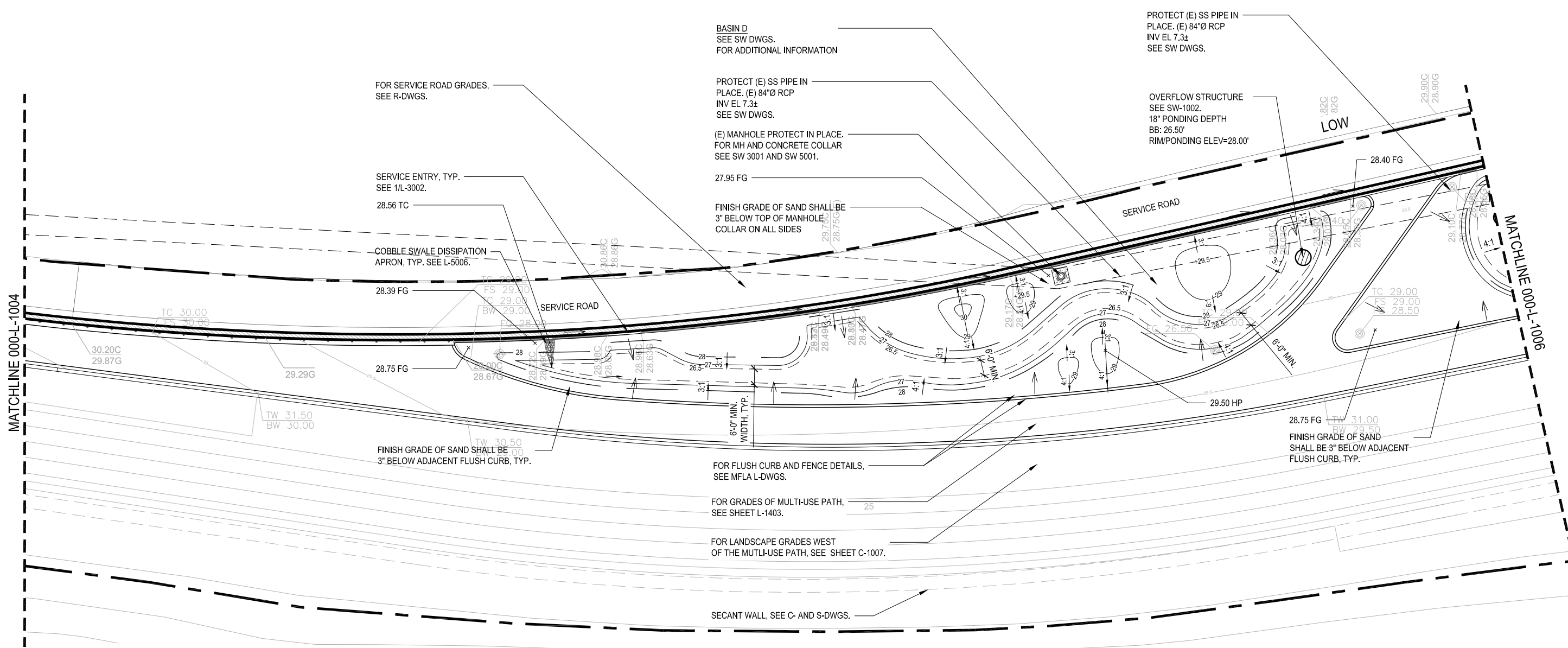


SEE LEGEND SHEET L-1001.

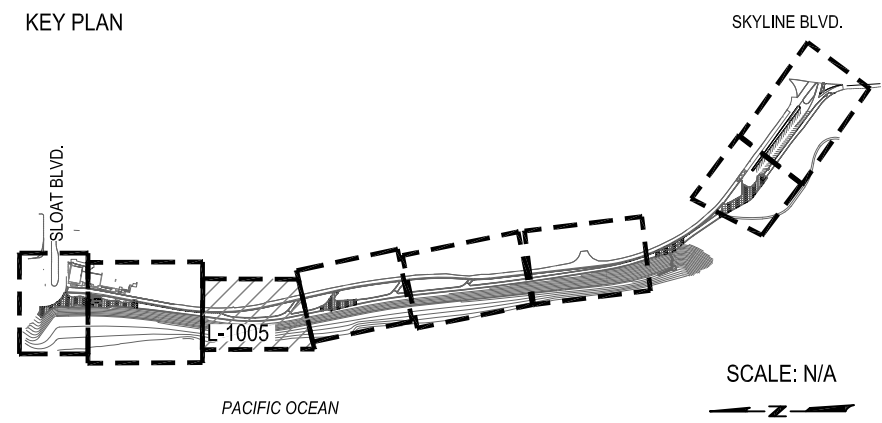
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	No.	Date	Revisions																																				
Contract No. <b>WW-662</b>	Drawing Title <b>GRADING PLAN - SLOAT PLAZA</b>	Project No. 11381																																					
Elevation Datum	Drawing/File No	Revision No. 0 Scale: 1"=20'																																					

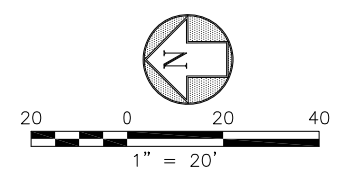


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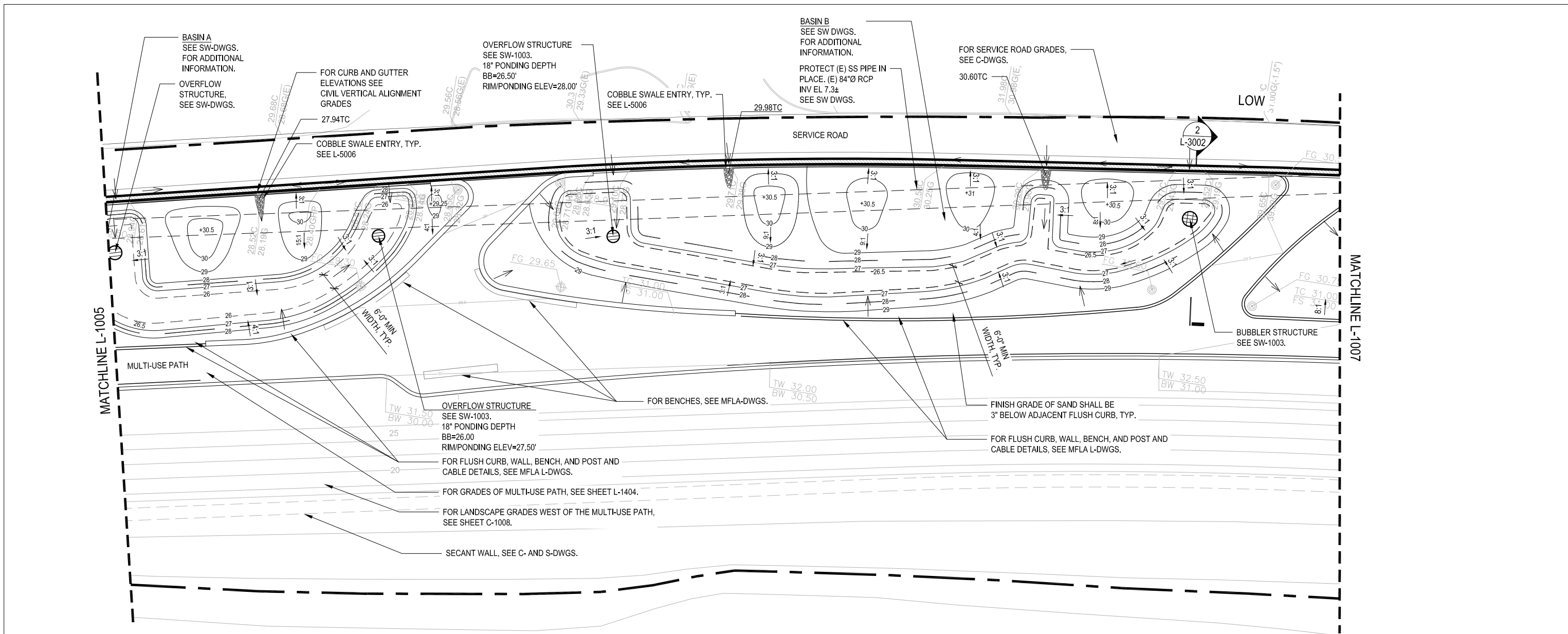


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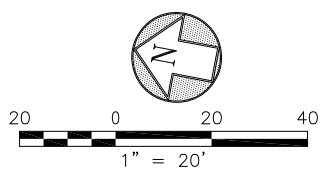
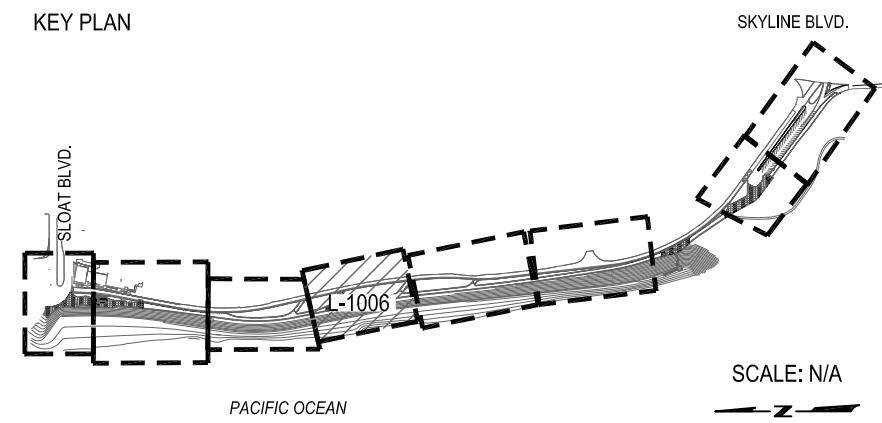
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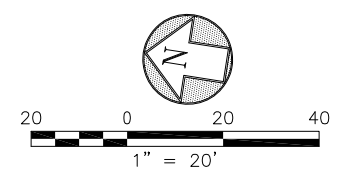
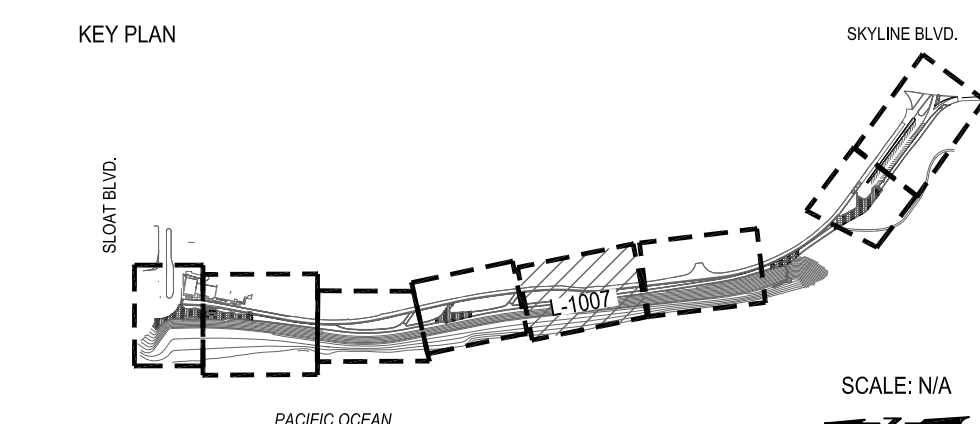
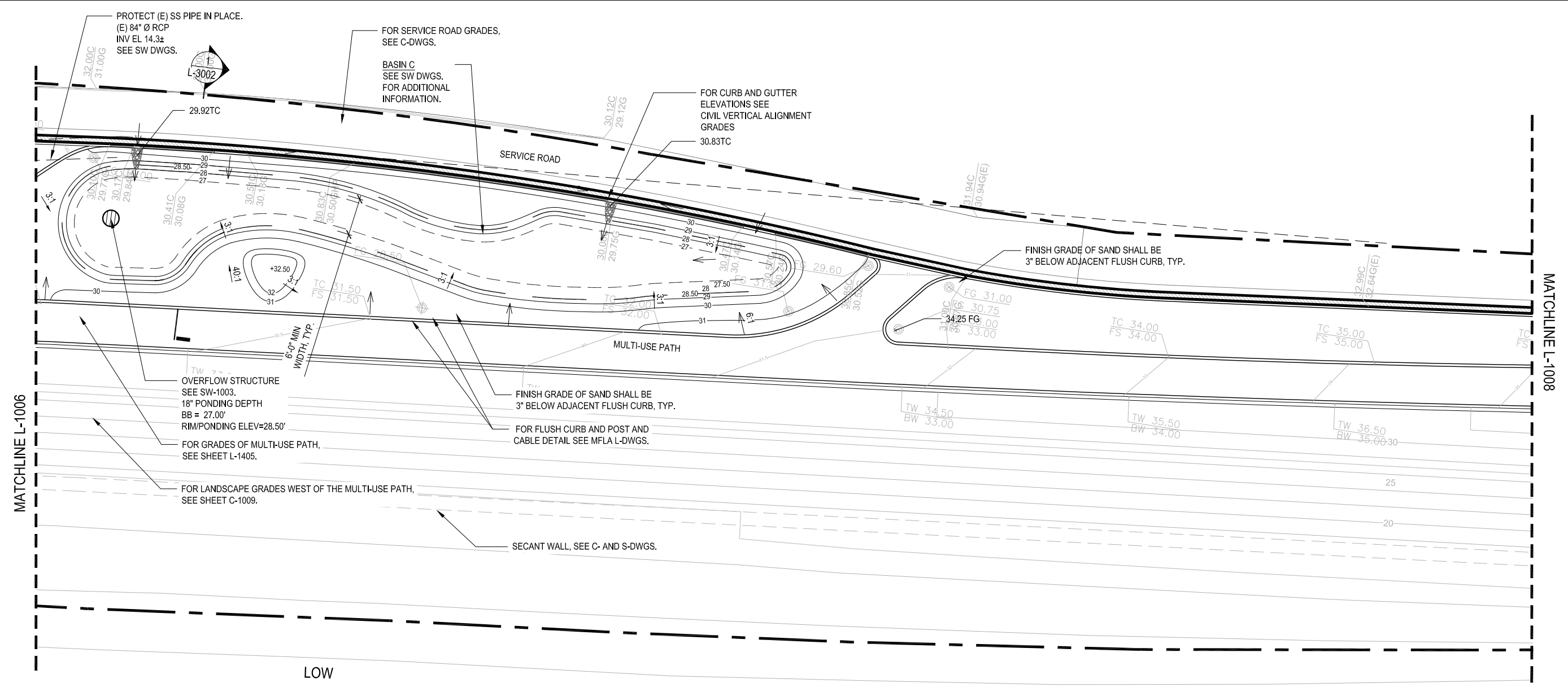
<p>San Francisco <b>Water Power Sewer</b> Services of the San Francisco Public Utilities Commission INFRASTRUCTURE DIVISION ENGINEERING MANAGEMENT BUREAU</p>	<p>EMB Mgr. ANNA ROCHE</p> <p>WWE Engineering Mgr. HEATHER MANDERS</p> <p>WWE O&amp;M Mgr.</p>	<p>BUREAU OF LANDSCAPE ARCHITECTURE</p> <p>49 South Van Ness Ave., Suite 1000 San Francisco, CA 94103 Phone (628)271-2000</p>	<p>Bureau Mgr. JENNIFER COOPER</p> <p>Deputy Bureau Mgr. N/A</p> <p>Section Mgr. ANTHONY ESTERBROOKS</p>	<p>95% SUBMITTAL 04/14/23</p> <table border="1"> <thead> <tr> <th>No.</th> <th>Date</th> <th>Revisions</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>	No.	Date	Revisions																												<p>FOR THE SOLE USE OF THE DOCUMENT RECIPIENT - DO NOT CITE, COPY, OR CIRCULATE WITHOUT THE EXPRESSED PERMISSION OF THE SFPUC.</p>	<p>Project <b>OCEAN BEACH CLIMATE CHANGE ADAPTATION PROJECT - LONG TERM IMPROVEMENTS</b></p>	<p>Plan No. <b>L-1005</b></p>
	No.	Date	Revisions																																		
<p>Section Mgr. HEATHER MANDERS</p> <p>Designed</p> <p>Drawn</p> <p>Checked/Approved</p>	<p>Proj. Engr.</p> <p>Designed SG</p> <p>Drawn DA</p> <p>Checked by AA</p>	<p>Contract No. <b>WW-662</b></p>	<p>Drawing Title <b>GRADING PLAN - INFILTRATION BASINS</b></p>	<p>Project No. 11381</p>	<p>Elevation Datum</p>	<p>Drawing/File No</p>	<p>Revision No. 0</p>	<p>Scale: 1"=20'</p>																													
				<p>For reduced plans original scale is in inches</p>																																	
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KEY PLAN



<p>San Francisco <b>Water Power Sewer</b> Services of the San Francisco Public Utilities Commission INFRASTRUCTURE DIVISION ENGINEERING MANAGEMENT BUREAU</p>	EMB Mgr. ANNA ROCHE WVE Engineering Mgr. HEATHER MANDERS WVE O&M Mgr. _____ Section Mgr. HEATHER MANDERS Designed _____ Drawn _____ Checked/Approved _____	BUREAU OF LANDSCAPE ARCHITECTURE <p>49 South Van Ness Ave., Suite 1000 San Francisco, CA 94103 Phone (628)271-2000</p>	Bureau Mgr. JENNIFER COOPER Deputy Bureau Mgr. N/A Section Mgr. ANTHONY ESTERBROOKS Proj. Engr. _____ Designed SG Drawn DA Checked by AA	95% SUBMITTAL 04/14/23 <table border="1"> <thead> <tr> <th>No.</th> <th>Date</th> <th>Revisions</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>	No.	Date	Revisions																															Project <b>OCEAN BEACH CLIMATE CHANGE ADAPTATION PROJECT - LONG TERM IMPROVEMENTS</b>	Plan No. <b>L-1006</b>
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Contract No <b>WW-662</b>	Drawing Title <b>GRADING PLAN - INFILTRATION BASINS</b>	Project No. 11381																																					
Elevation Datum	Drawing/File No	Revision No. 0	Scale: 1"=20'																																				
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 WVE Engineering Mgr. HEATHER MANDERS  
 WVE O&M Mgr.  
 Section Mgr. HEATHER MANDERS  
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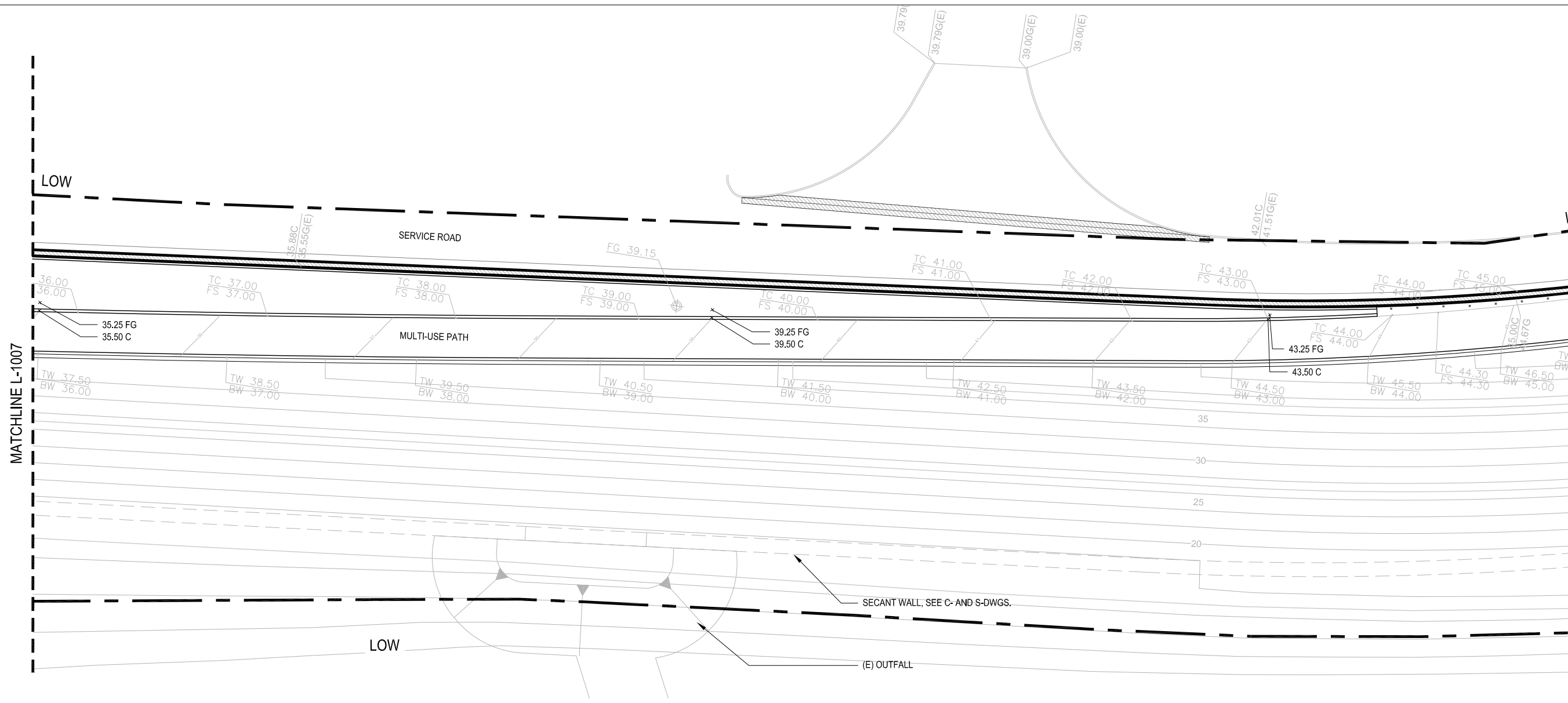
BUREAU OF LANDSCAPE ARCHITECTURE  
  
 Bureau Mgr. JENNIFER COOPER  
 Deputy Bureau Mgr. N/A  
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 Proj. Engr.  
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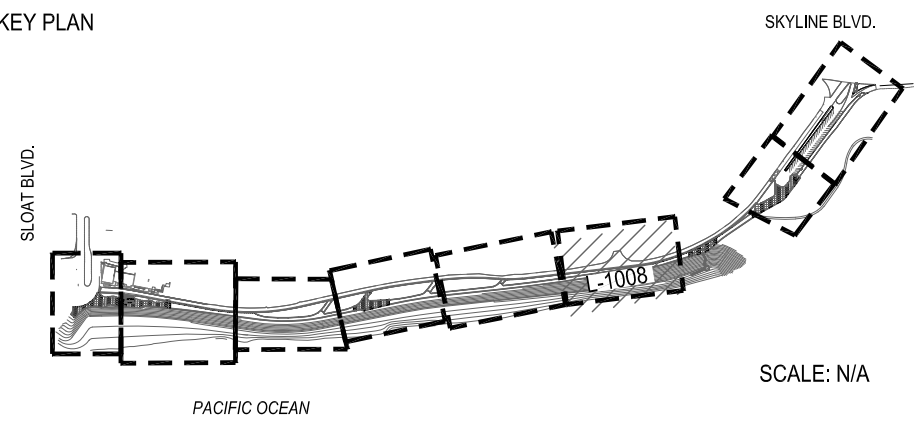
No.	Date	Revisions

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Elevation Datum	Drawing/File No	Revision No. 0 Scale: 1"=20'

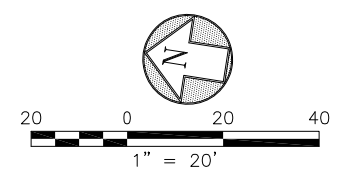


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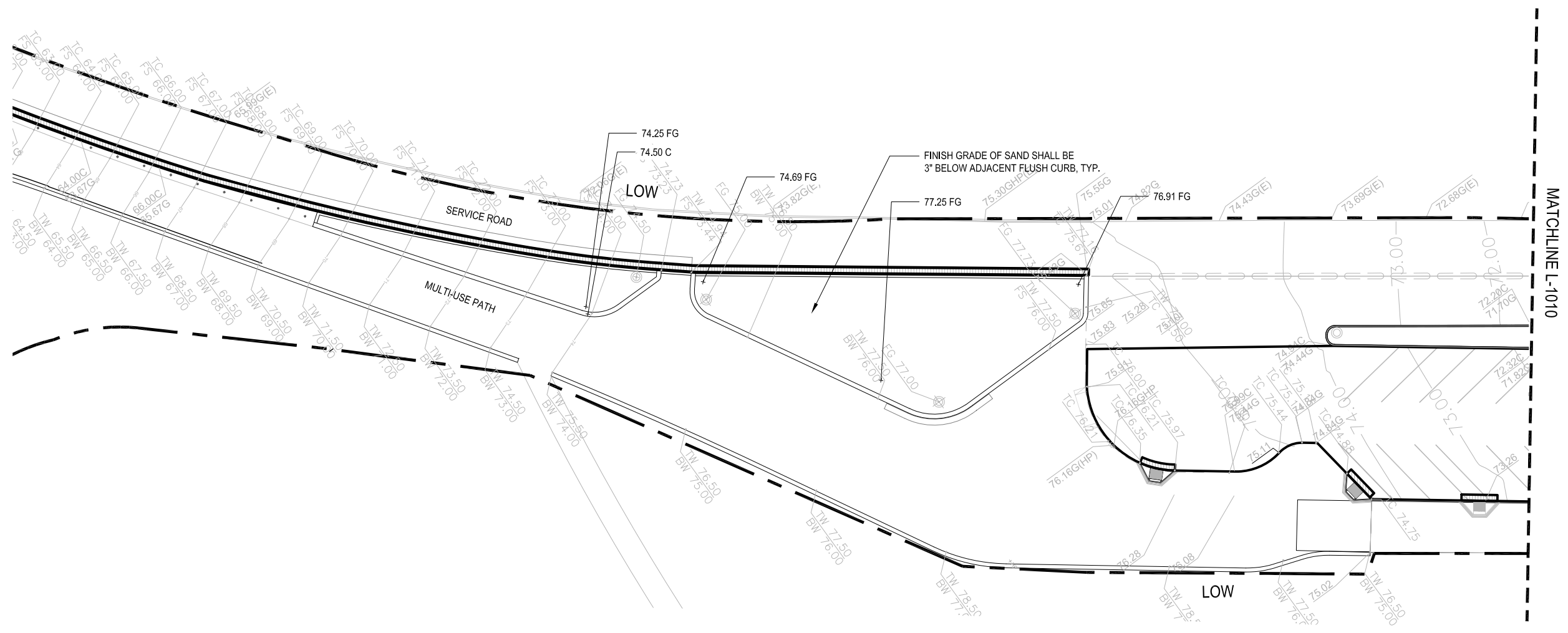
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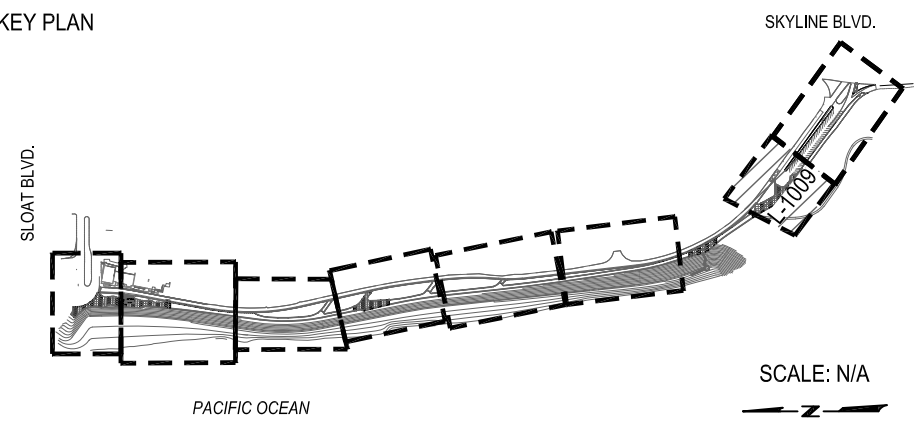


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<p>Section Mgr. HEATHER MANDERS</p> <p>Designed</p> <p>Drawn</p> <p>Checked/Approved</p>	<p>Proj. Engr.</p> <p>Designed SG</p> <p>Drawn DA</p> <p>Checked by AA</p>	<p>Contract No.</p> <p>WW-662</p>	<p>Drawing Title</p> <p>INFILTRATION BASIN GRADING PLAN</p>	<p>Project No.</p> <p>11381</p>																																	
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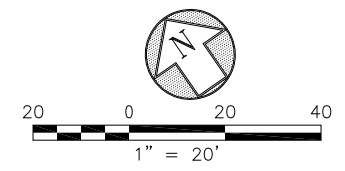
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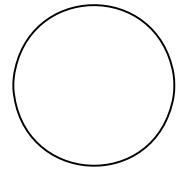
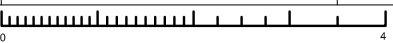
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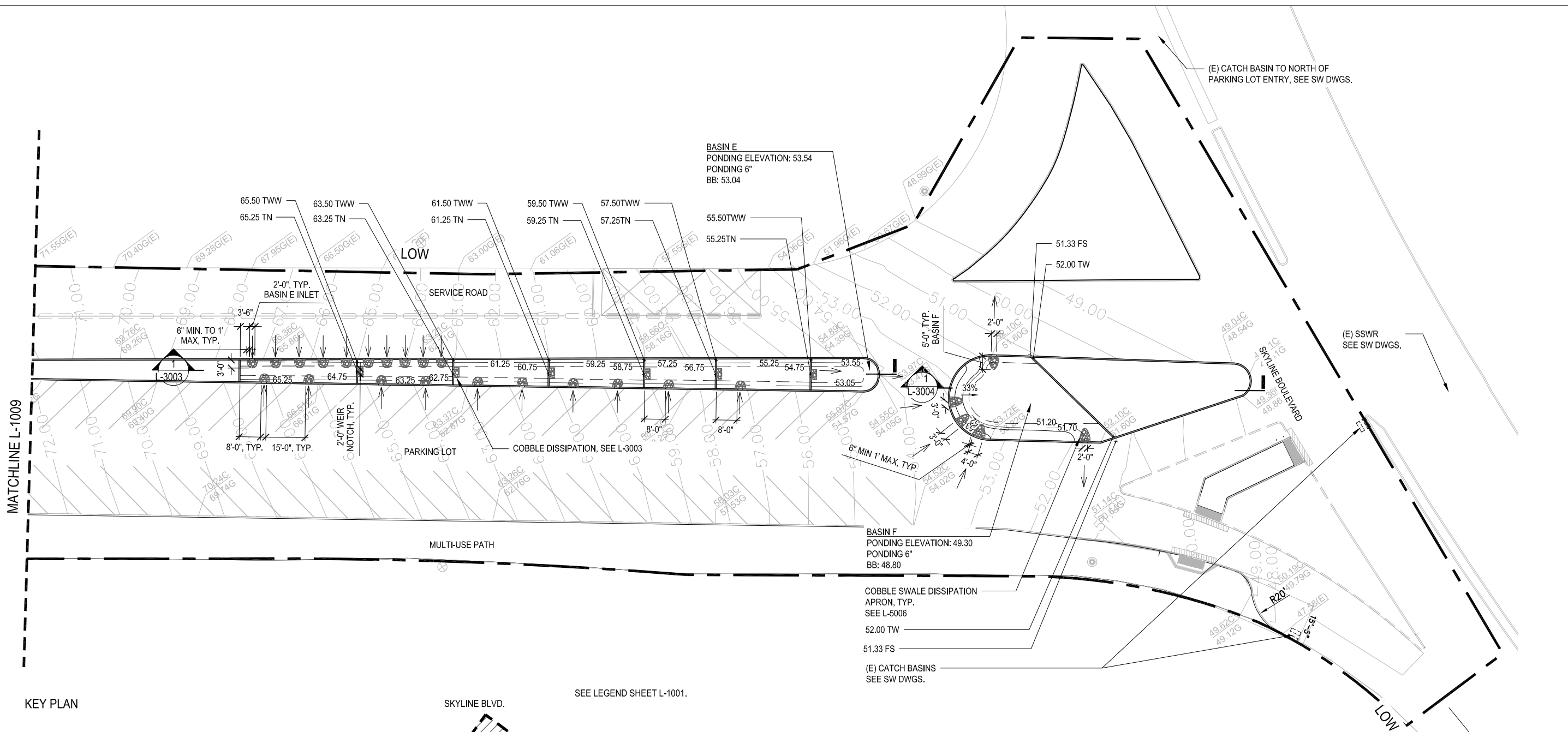


SEE LEGEND SHEET L-1001.

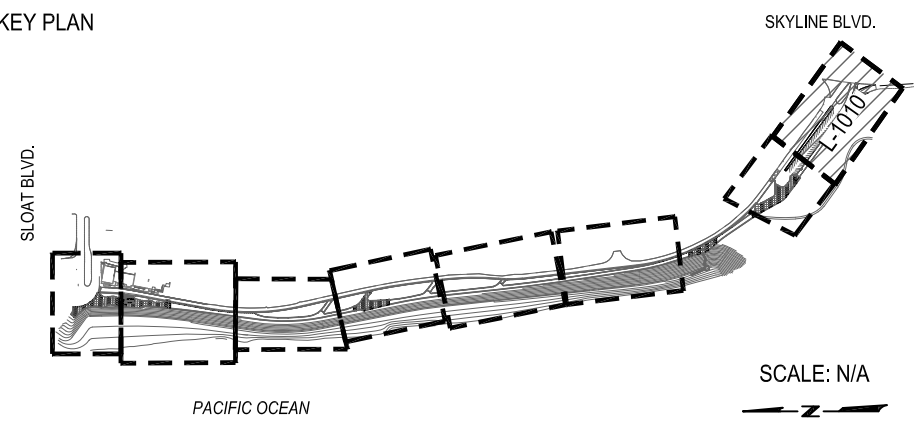
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Plot Date:		Plot Date:		Original Sheet Size: 22"x34"																																				

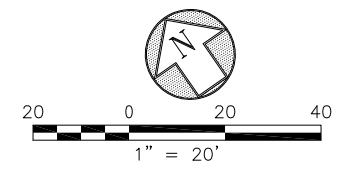


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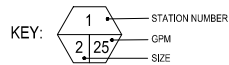


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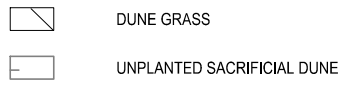


<p>             San Francisco  <b>Water Power Sewer</b>              Services of the San Francisco              Public Utilities Commission              INFRASTRUCTURE DIVISION              ENGINEERING MANAGEMENT BUREAU           </p>	EMB Mgr. ANNA ROCHE WVE Engineering Mgr. HEATHER MANDERS WVE O&M Mgr. _____	BUREAU OF LANDSCAPE ARCHITECTURE  49 South Van Ness Ave., Suite 1000 San Francisco, CA 94103 Phone (628)271-2000	Bureau Mgr. JENNIFER COOPER Deputy Bureau Mgr. N/A Section Mgr. ANTHONY ESTERBROOKS Proj. Engr. _____ Designed SG Drawn DA Checked by AA	95% SUBMITTAL 04/14/23 <table border="1"> <thead> <tr> <th>No.</th> <th>Date</th> <th>Revisions</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>	No.	Date	Revisions																									Project <b>OCEAN BEACH CLIMATE CHANGE ADAPTATION              PROJECT - LONG TERM IMPROVEMENTS</b>	Plan No. <b>L-1010</b>
	No.	Date	Revisions																														
	Section Mgr. HEATHER MANDERS Designed _____ Drawn _____ Checked/Approved _____	Contract No. <b>WW-662</b>	Drawing Title <b>INFILTRATION BASIN              GRADING PLAN</b>	Project No. 11381																													
Elevation Datum	Drawing/File No	Revision No. 0	Scale: 1"=20'	For reduced plans original scale is in inches 																													



IRRIGATION LEGEND

SYMBOL	DETAIL		
	(N) 2" IRRIGATION ONLY WATER METER, SEE NOTES		
	MFR	EQUIPMENT	
	HUNTER	ECO-WRAP 12" DRIP TUBING	
	HUNTER	ACC DUEL CONTROLLER WITH ET SENSOR, 48 STATIONS IN SS PEDESTAL MOUNTED ENCLOSURE	
	FEBCO	LEAD FREE BACKFLOW PREVENTER W/ SS ENCLOSURE	
	HUNTER	QUICK COUPLER HQ44 - LRC	
	HUNTER/NIBCO/CHRISTY	1" REMOTE CONTROL VALVE ASSEMBLY: HUNTER IBZ-151-40-XL WITH NIBCO 1" LEAD FREE BRONZE FNPT BALL ISOLATION VALVE.	
	TORO	5/8" VALVE ASSEMBLY FOR DRIPTUBING	
	NIBCO	1" T-1013 BRASS GATE VALVE	
	-	2" HDPE MAINLINE	
	-	PVC IRRIGATION LATERAL; SEE PIPE LATERAL PIPE SIZING SCHEDULE	
	-	PIPE SLEEVE	
	-	2" DIA PVC PERFORATED PIPE SURROUNDING 5/8" TORO AQUA TRAXX AGRICULTURAL DRIPLINE	2.65 GPM/100 FT
	-	FLOW SENSOR	
	TORO	AIR RELIEF VALVE - 5/8" MPT CONNECTION	
	HUNTER	MP ROTATOR 3000, 2000, 1000	
	HUNTER	RZWS-36 (2 PER TREE)	



GPM	PIPE SIZE (NOMINAL SCH 40 PVC)
8 OR LESS	3/4" Ø
13	1" Ø
23	1 1/4" Ø
32	1 1/2" Ø
53	2" Ø
74	2 1/2" Ø
116 OR MORE	3" Ø

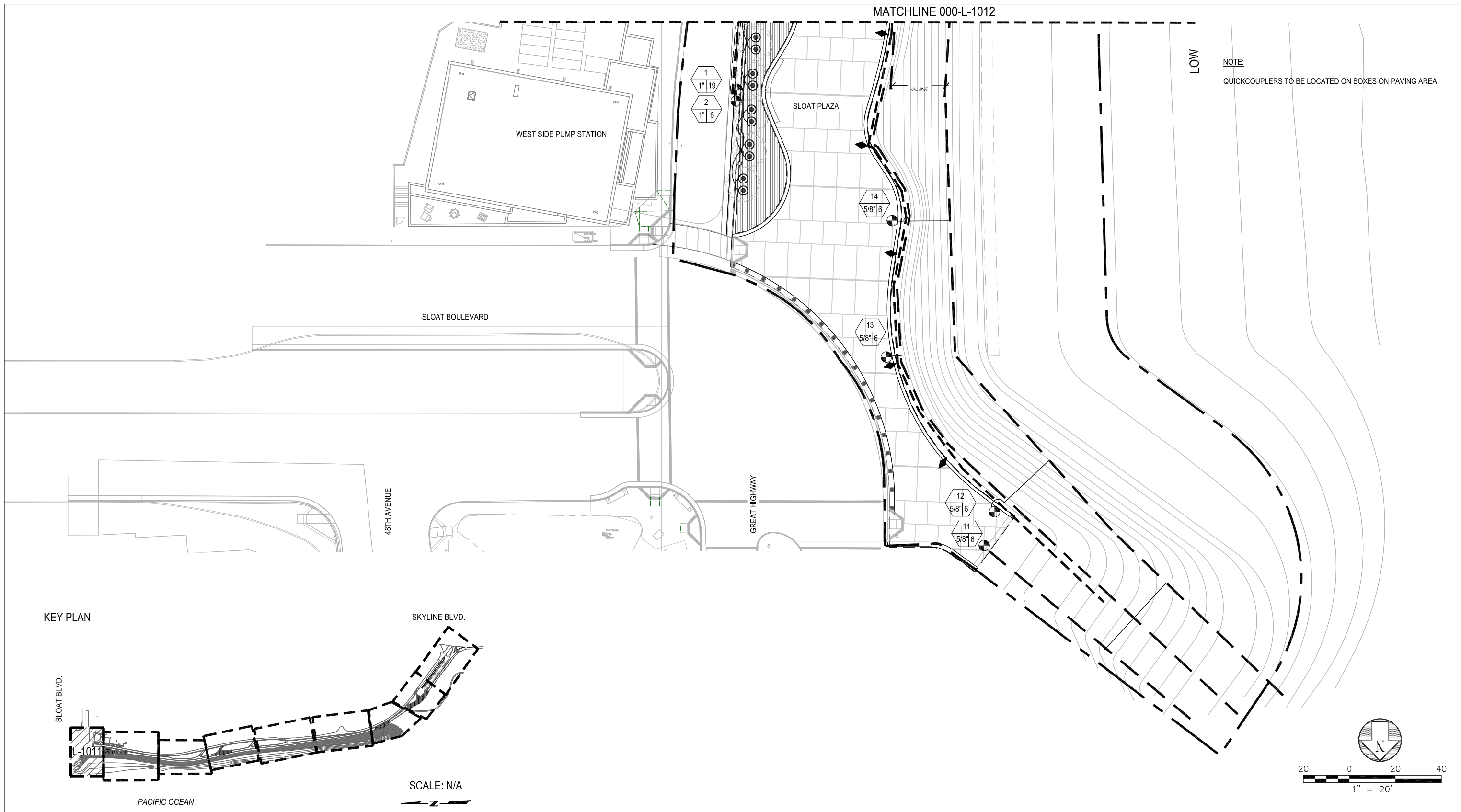
**NOTE:**  
REFER TO THE IRRIGATION LEGEND FOR SPRINKLER FLOW RATES (GPM). NO PIPING DOWNSTREAM OF THE REMOTE CONTROL VALVE TO THE SPRINKLER SHALL BE SIZED SMALLER THAN THE SPRINKLER THREADED INLET SIZE.

IRRIGATION NOTES:

- THIS PLAN IS DIAGRAMMATIC.
- ALL VALVES AND METERS TO BE HOUSED IN LOCKING BOXES W/ TOPS SET FLUSH TO ADJACENT PAVING OR MULCH.
- IRRIGATION NOZZLE SPACING TO PROVIDE FULL COVERAGE OF PLANTING AREAS WITHOUT OVERSPRAY ONTO PAVING.
- CONTRACTOR TO COORDINATE AND PAY FOR NEW WATER METER INSTALLATION
- THESE NOTES AND IRRIGATION PLAN GOVERN IRRIGATION INSTALLATION ONLY AND ARE NOT INTENDED TO GOVERN OTHER WORK.
- THE CONTRACTOR SHALL VERIFY LOCATIONS OF POINT OF CONNECTION, MAINLINES, AND PROPOSED CONTROLLERS, PRIOR TO COMMENCEMENT OF WORK. ANY DISCREPANCY BETWEEN THE DRAWING AND FIELD CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE CITY REPRESENTATIVE PRIOR TO THE INSTALLATION OF ANY PIPE.
- THE CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION OF AN IRRIGATION SYSTEM THAT PROVIDES 100% COMPLETE AND APPROPRIATE COVERAGE IN ALL PLANTING AREAS. THE WORK OF THE CONTRACT INCLUDES ADJUSTMENTS TO THE SYSTEMS INDICATED, INCLUDING QUANTITIES OF PIPING, HEADS, NOZZLES AND OTHER EQUIPMENT AS NECESSARY TO ASSURE COMPLETE COVERAGE.
- THE IRRIGATION DRAWINGS ARE DIAGRAMMATIC, AND DO NOT SHOW EXACT LOCATIONS OF PIPING, VALVES OR CONTROL LINES. INSTALL THESE ITEMS IN PLANTING AREAS PARALLEL TO, AND AS CLOSE AS POSSIBLE TO CURBS, HEADERS OR PAVING EDGES UNLESS OTHERWISE INDICATED.
- THE CONTRACTOR SHALL COORDINATE WORK WITH ALL APPROPRIATE TRADES FOR THE INSTALLATION OF PIPING, PIPE SLEEVES AND ELECTRICAL CONDUIT.
- ALL PIPING AND CONTROL WIRING UNDER PAVING SHALL BE INSTALLED IN SCHEDULE 40 GALVANIZED STEEL PIPE SLEEVES OF SUFFICIENT SIZE TO ALLOW FOR EASY INSERTION AND REMOVAL. INSTALL EACH SOLENOID VALVE IN A SEPARATE VALVE BOX. SEE DETAILS AND SPECIFICATIONS.
- IRRIGATION HEADS ARE INDICATED AS ACCURATELY AS POSSIBLE ON THE DRAWING. INSTALL HEADS AS SHOWN AT THE CENTERLINE OF THE SYMBOL, AND IN ACCORDANCE WITH INSTALLATION DETAILS.
- THE PROPOSED CONTROLLER SHALL BE INSTALLED PER MANUFACTURER'S INSTRUCTIONS AND FINAL LOCATION SHALL BE FIELD LOCATED BY THE CITY REPRESENTATIVE

<p>San Francisco Water Power Sewer Services of the San Francisco Public Utilities Commission INFRASTRUCTURE DIVISION ENGINEERING MANAGEMENT BUREAU</p>	EMB Mgr. ANNA ROCHE WVE Engineering Mgr. HEATHER MANDERS WVE O&M Mgr. _____ Section Mgr. HEATHER MANDERS Designed _____ Drawn _____ Checked/Approved _____	BUREAU OF LANDSCAPE ARCHITECTURE <p>49 South Van Ness Ave., Suite 1000 San Francisco, CA 94103 Phone (628)271-2000</p>	Bureau Mgr. JENNIFER COOPER Deputy Bureau Mgr. N/A Section Mgr. ANTHONY ESTERBROOKS Proj. Engr. _____ Designed SG Drawn DA Checked by AA	95% SUBMITTAL 04/14/23 <table border="1"> <thead> <tr> <th>No.</th> <th>Date</th> <th>Revisions</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>	No.	Date	Revisions																																		Project <b>OCEAN BEACH CLIMATE CHANGE ADAPTATION PROJECT - LONG TERM IMPROVEMENTS</b> Contract No. WW-662 Elevation Datum	Drawing Title <b>IRRIGATION LEGEND AND NOTES</b> Drawing/File No Revision No. 0	Plan No. <b>L-0002</b> Project No. 11381 Scale: NA
	No.	Date	Revisions																																								





San Francisco  
**Water  
Power  
Sewer**

Services of the San Francisco  
Public Utilities Commission  
INFRASTRUCTURE DIVISION  
ENGINEERING MANAGEMENT BUREAU

EMB Mgr. ANNA ROCHE

WWE Engineering Mgr. HEATHER MANDERS

WWE O&M Mgr.

Section Mgr. HEATHER MANDERS

Designed

Drawn

Checked/Approved

BUREAU OF LANDSCAPE ARCHITECTURE

49 South Van Ness Ave., Suite 1000  
San Francisco, CA 94103  
Phone (628)271-2000

Bureau Mgr. JENNIFER COOPER

Deputy Bureau Mgr. N/A

Section Mgr. ANTHONY ESTERBROOKS

Proj. Engr.

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Contract No.  
**WW-662**

Elevation Datum

Project  
**OCEAN BEACH CLIMATE CHANGE ADAPTATION  
PROJECT - LONG TERM IMPROVEMENTS**

Drawing Title  
**IRRIGATION PLAN**

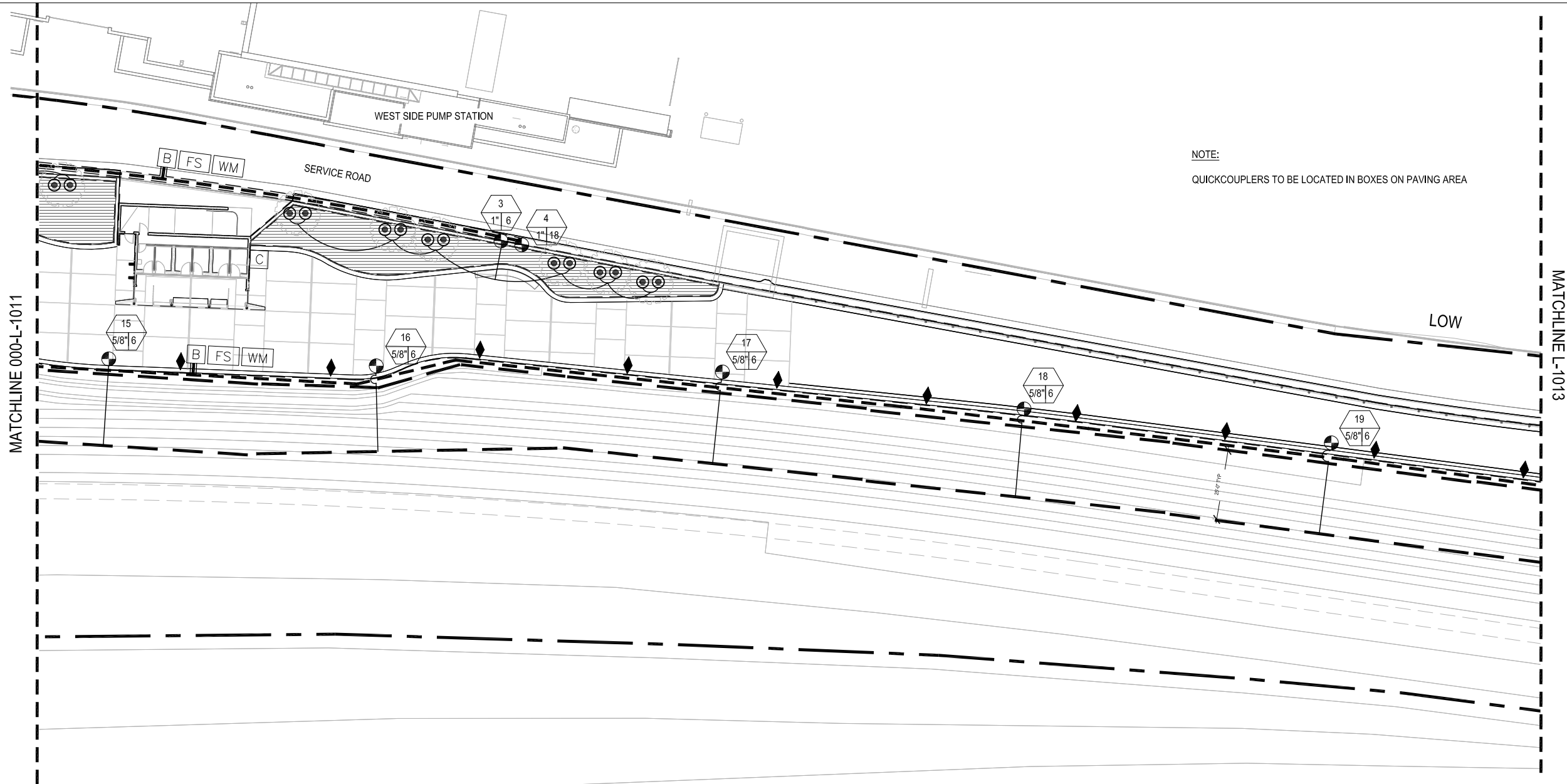
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Revision No. 0

Plan No.  
**L-1011**

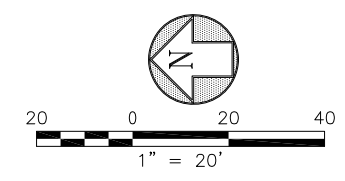
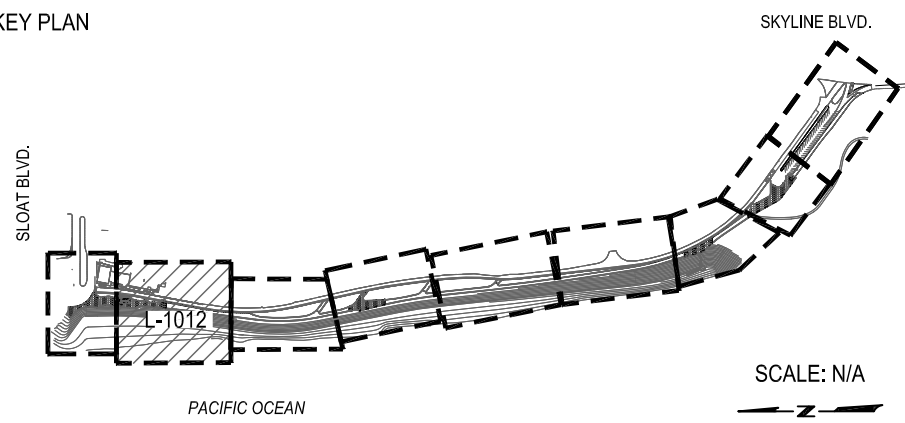
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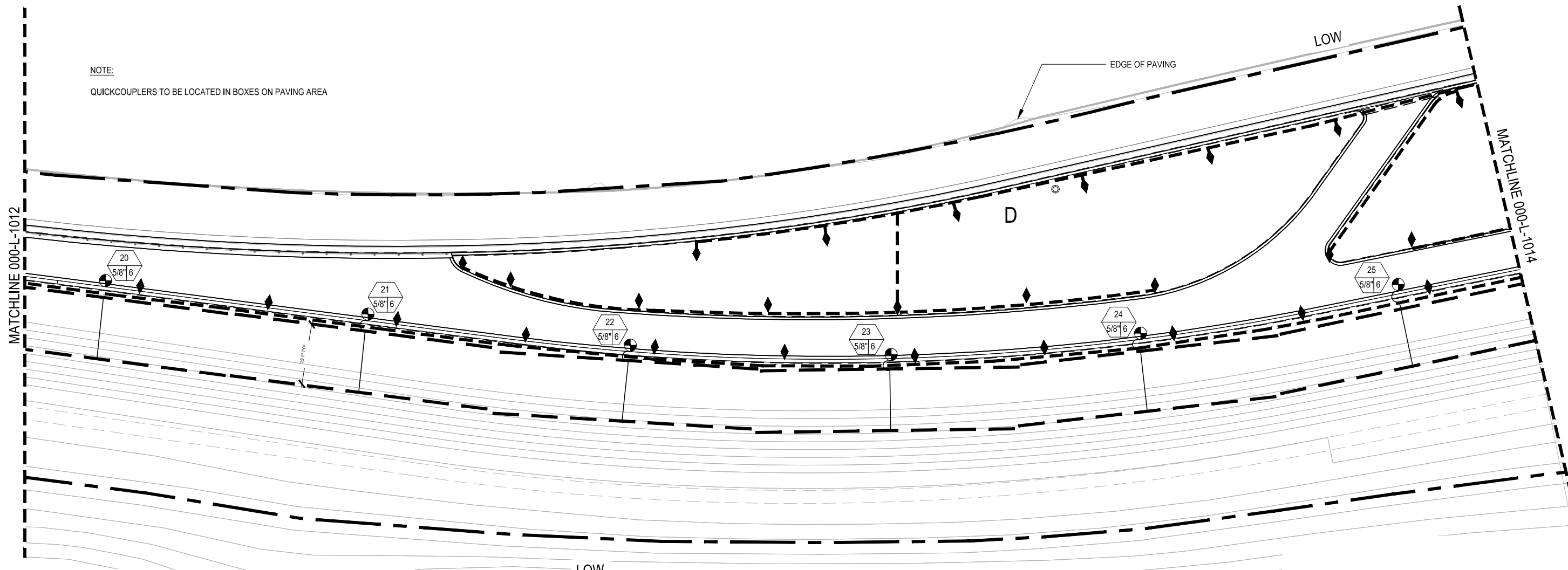


NOTE:  
 QUICKCOUPLERS TO BE LOCATED IN BOXES ON PAVING AREA

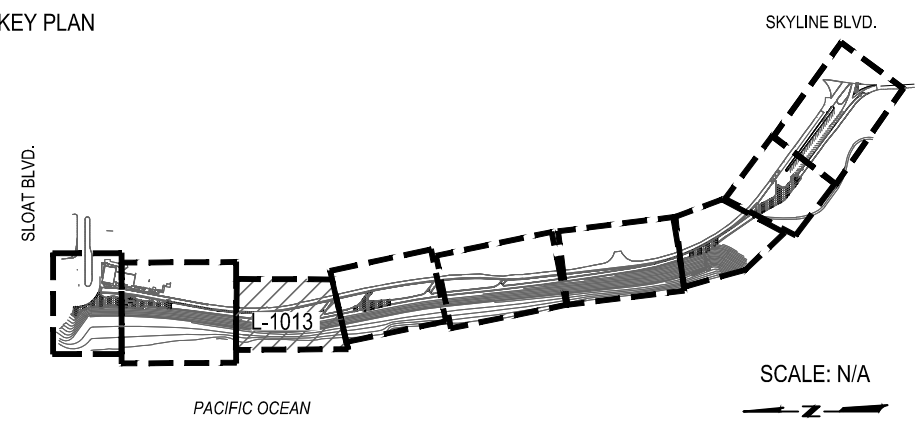
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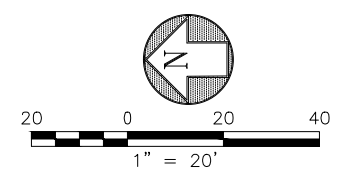
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	No.	Date	Revisions																																
Contract No. WW-662	Drawing Title IRRIGATION PLAN	Project No. 11381																																	
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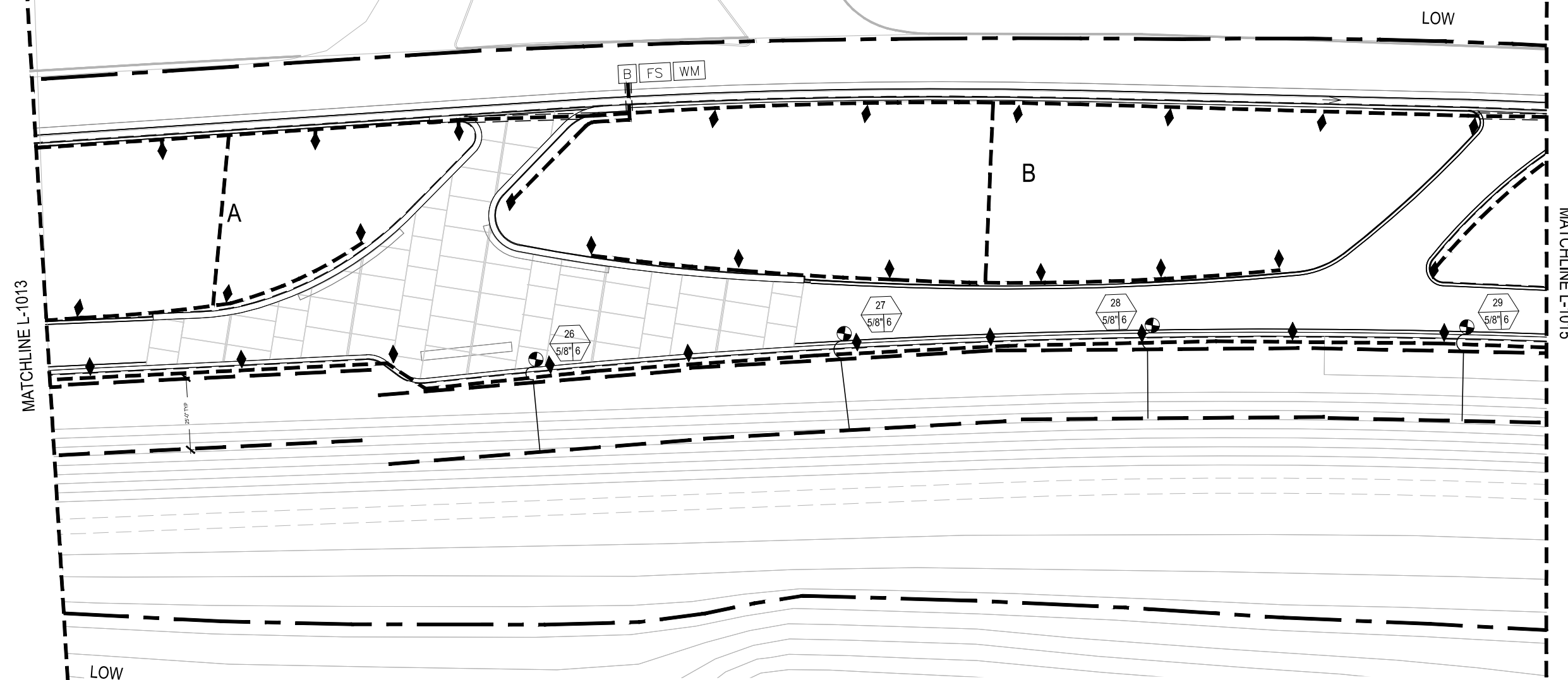


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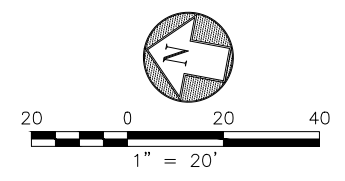
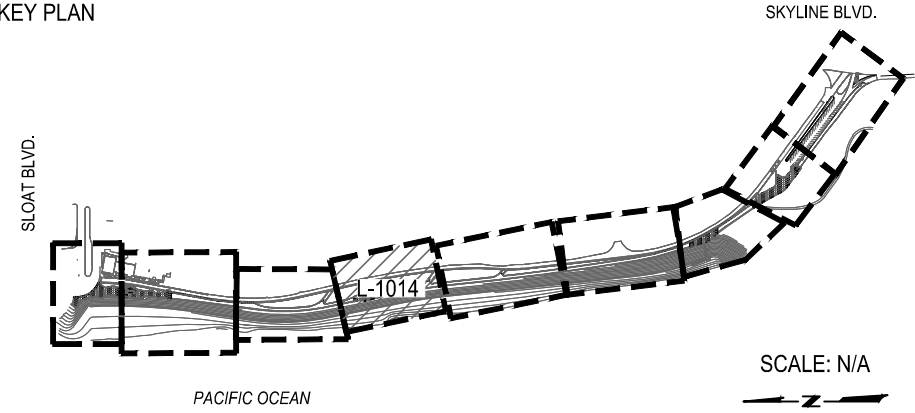




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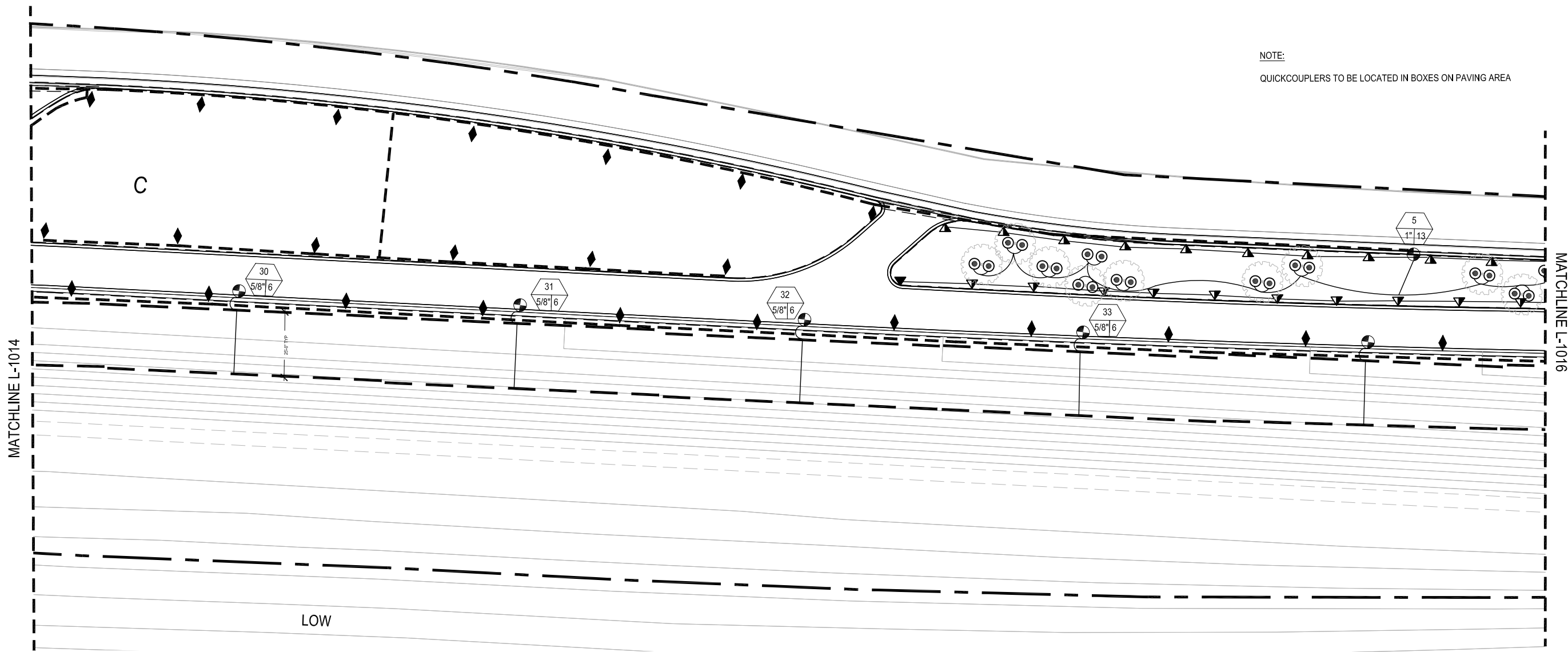
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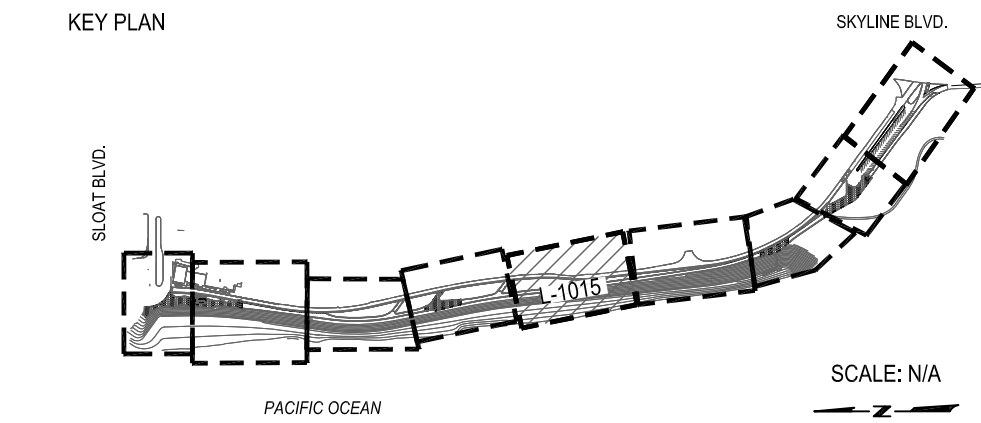
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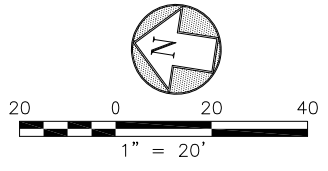
 Services of the San Francisco Public Utilities Commission INFRASTRUCTURE DIVISION ENGINEERING MANAGEMENT BUREAU	EMB Mgr. ANNA ROCHE <hr/> WVE Engineering Mgr. HEATHER MANDERS <hr/> WVE O&M Mgr. _____ <hr/> Section Mgr. HEATHER MANDERS <hr/> Designed _____ <hr/> Drawn _____ <hr/> Checked/Approved _____	BUREAU OF LANDSCAPE ARCHITECTURE  49 South Van Ness Ave., Suite 1000 San Francisco, CA 94103 Phone (415)271-2000	Bureau Mgr. JENNIFER COOPER <hr/> Deputy Bureau Mgr. N/A <hr/> Section Mgr. ANTHONY ESTERBROOKS <hr/> Proj. Engr. _____ <hr/> Designed SG <hr/> Drawn DA <hr/> Checked by AA	95% SUBMITTAL 04/14/23 <table border="1"> <thead> <tr> <th>No.</th> <th>Date</th> <th>Revisions</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>	No.	Date	Revisions																															FOR THE SOLE USE OF THE DOCUMENT RECIPIENT - DO NOT CITE, COPY, OR CIRCULATE WITHOUT THE EXPRESSED PERMISSION OF THE SFPUC. <hr/> Contract No. WW-662 <hr/> Elevation Datum _____	Project OCEAN BEACH CLIMATE CHANGE ADAPTATION PROJECT - LONG TERM IMPROVEMENTS <hr/> Drawing Title IRRIGATION PLAN <hr/> Drawing/File No. _____ <hr/> Revision No. 0 <hr/> Scale: 1"=20'	Plan No. L-1014 <hr/> Project No. 11381 <hr/> Scale: 1"=20'
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 WWV Engineering Mgr. HEATHER MANDERS  
 WWV O&M Mgr.  
 Section Mgr. HEATHER MANDERS  
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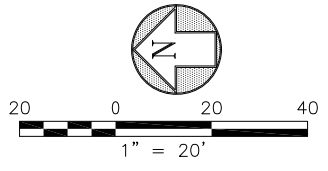
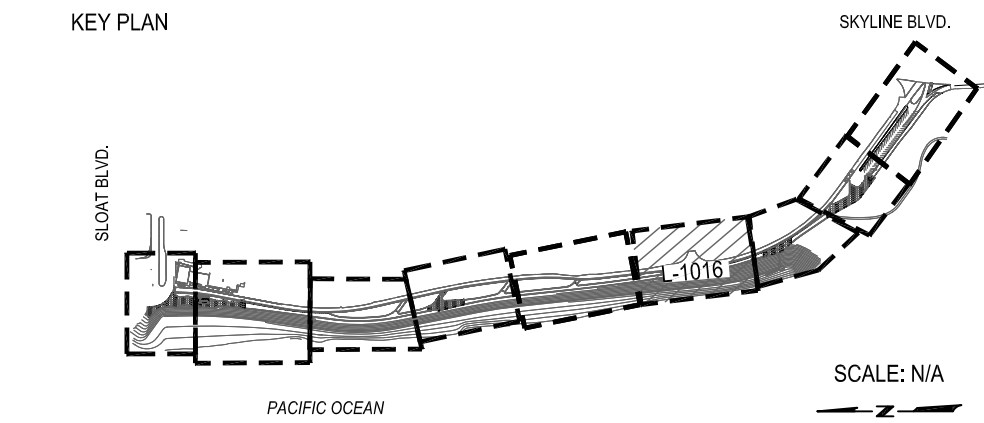
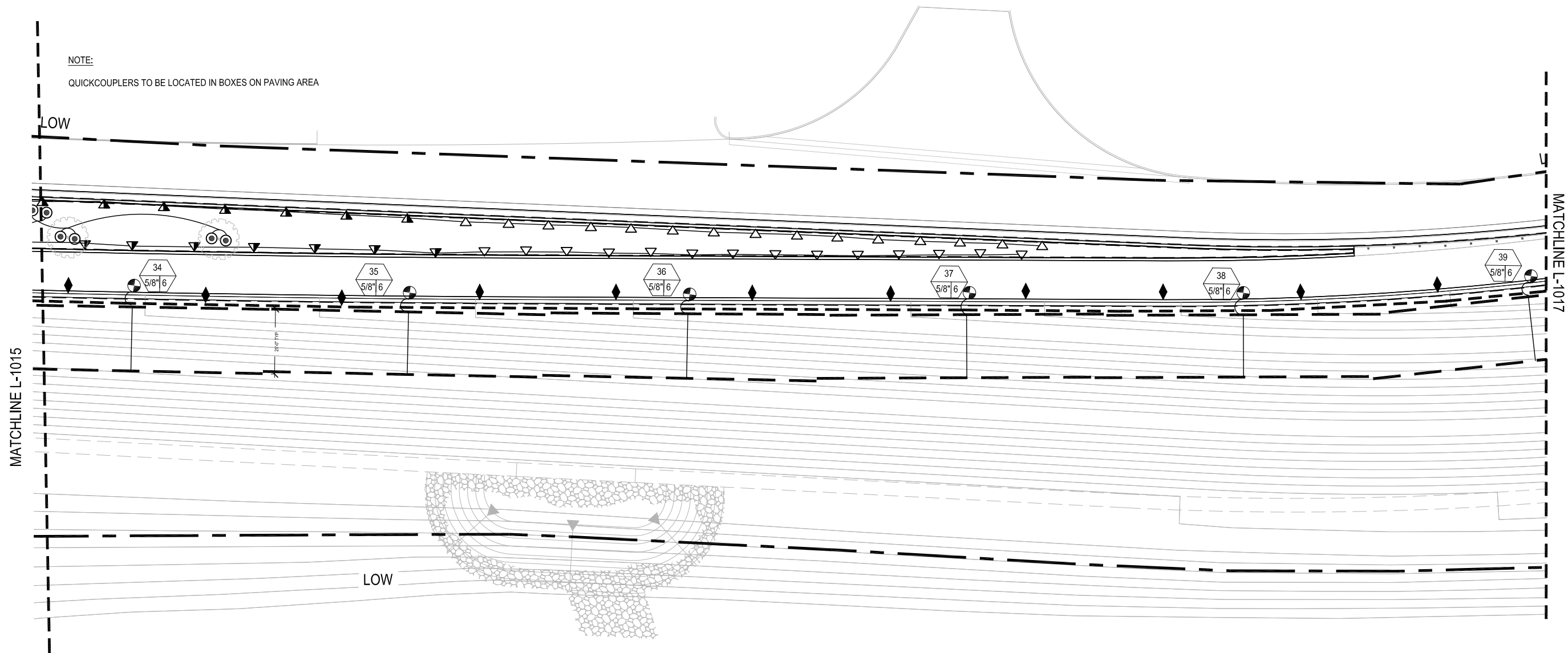
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Contract No WW-662	Drawing Title IRRIGATION PLAN	Project No. 11381
Elevation Datum	Drawing/File No	Revision No. 0 Scale: 1"=20'

NOTE:  
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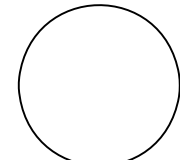
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 WVE Engineering Mgr. HEATHER MANDERS  
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 WVE O&M Mgr. \_\_\_\_\_  
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 Section Mgr. HEATHER MANDERS  
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BUREAU OF LANDSCAPE ARCHITECTURE



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Bureau Mgr. JENNIFER COOPER  
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Contract No <b>WW-662</b>	Drawing Title <b>IRRIGATION PLAN</b>		Project No. 11381
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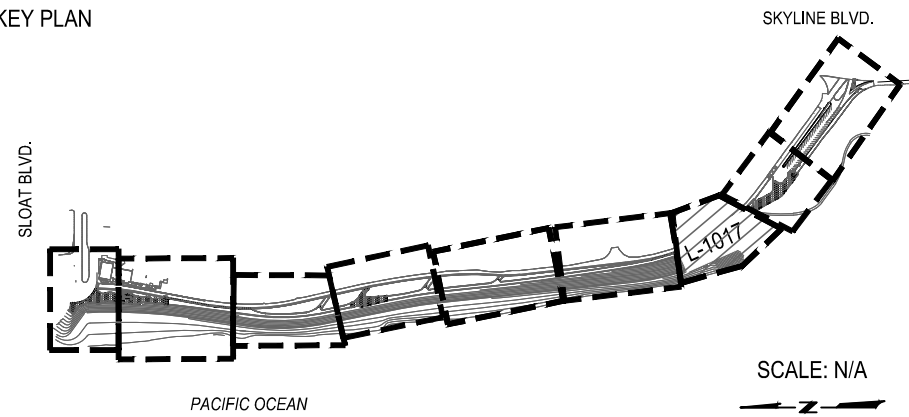


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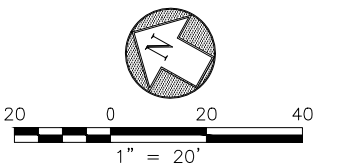
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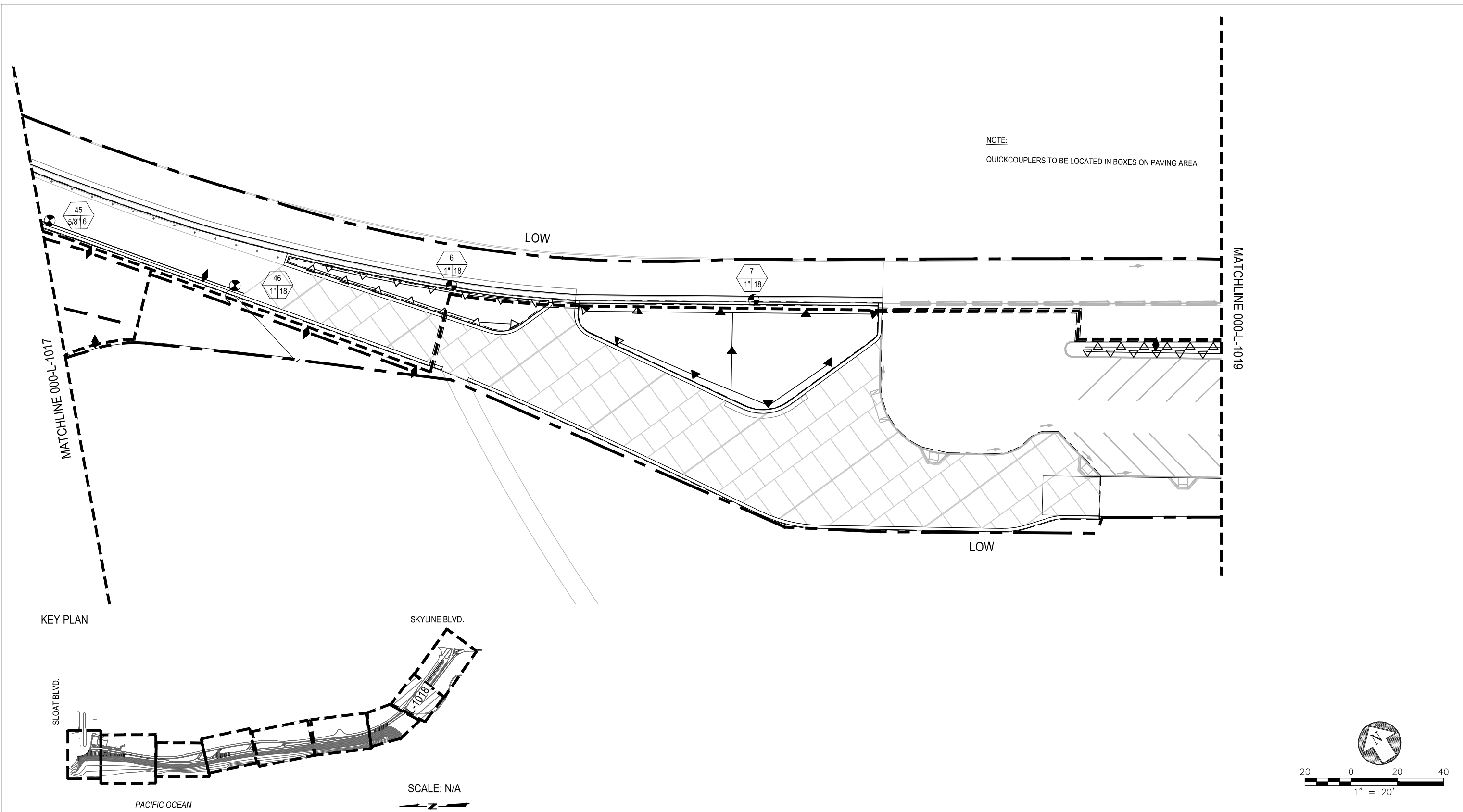
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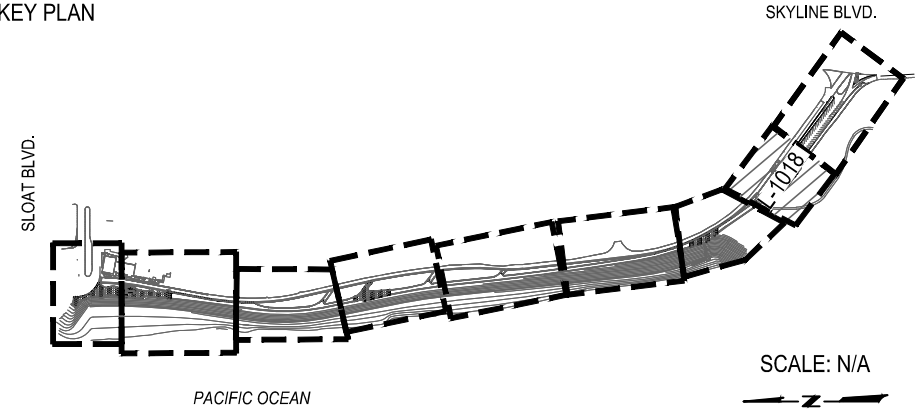


 Services of the San Francisco Public Utilities Commission INFRASTRUCTURE DIVISION ENGINEERING MANAGEMENT BUREAU	EMB Mgr. ANNA ROCHE <hr/> WVE Engineering Mgr. HEATHER MANDERS <hr/> WVE O&M Mgr. _____ <hr/> Section Mgr. HEATHER MANDERS <hr/> Designed _____ <hr/> Drawn _____ <hr/> Checked/Approved _____	BUREAU OF LANDSCAPE ARCHITECTURE  49 South Van Ness Ave., Suite 1000 San Francisco, CA 94103 Phone (628)271-2000	Bureau Mgr. JENNIFER COOPER <hr/> Deputy Bureau Mgr. N/A <hr/> Section Mgr. ANTHONY ESTERBROOKS <hr/> <hr/> Proj. Engr. _____ <hr/> Designed SG <hr/> Drawn DA <hr/> Checked by AA	95% SUBMITTAL 04/14/23 <table border="1"> <thead> <tr> <th>No.</th> <th>Date</th> <th>Revisions</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>	No.	Date	Revisions																															FOR THE SOLE USE OF THE DOCUMENT RECIPIENT - DO NOT CITE, COPY, OR CIRCULATE WITHOUT THE EXPRESSED PERMISSION OF THE SFPUC.	Project <b>OCEAN BEACH CLIMATE CHANGE ADAPTATION PROJECT - LONG TERM IMPROVEMENTS</b>	Plan No. <b>L-1017</b>
	No.	Date	Revisions																																					
Contract No. <b>WW-662</b>	Drawing Title <b>IRRIGATION PLAN</b>	Project No. 11381																																						
Elevation Datum	Drawing/File No	Revision No. 0	Scale: 1"=20'																																					

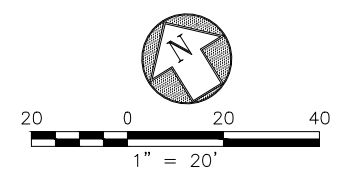




NOTE:  
 QUICKCOUPLERS TO BE LOCATED IN BOXES ON PAVING AREA

KEY PLAN

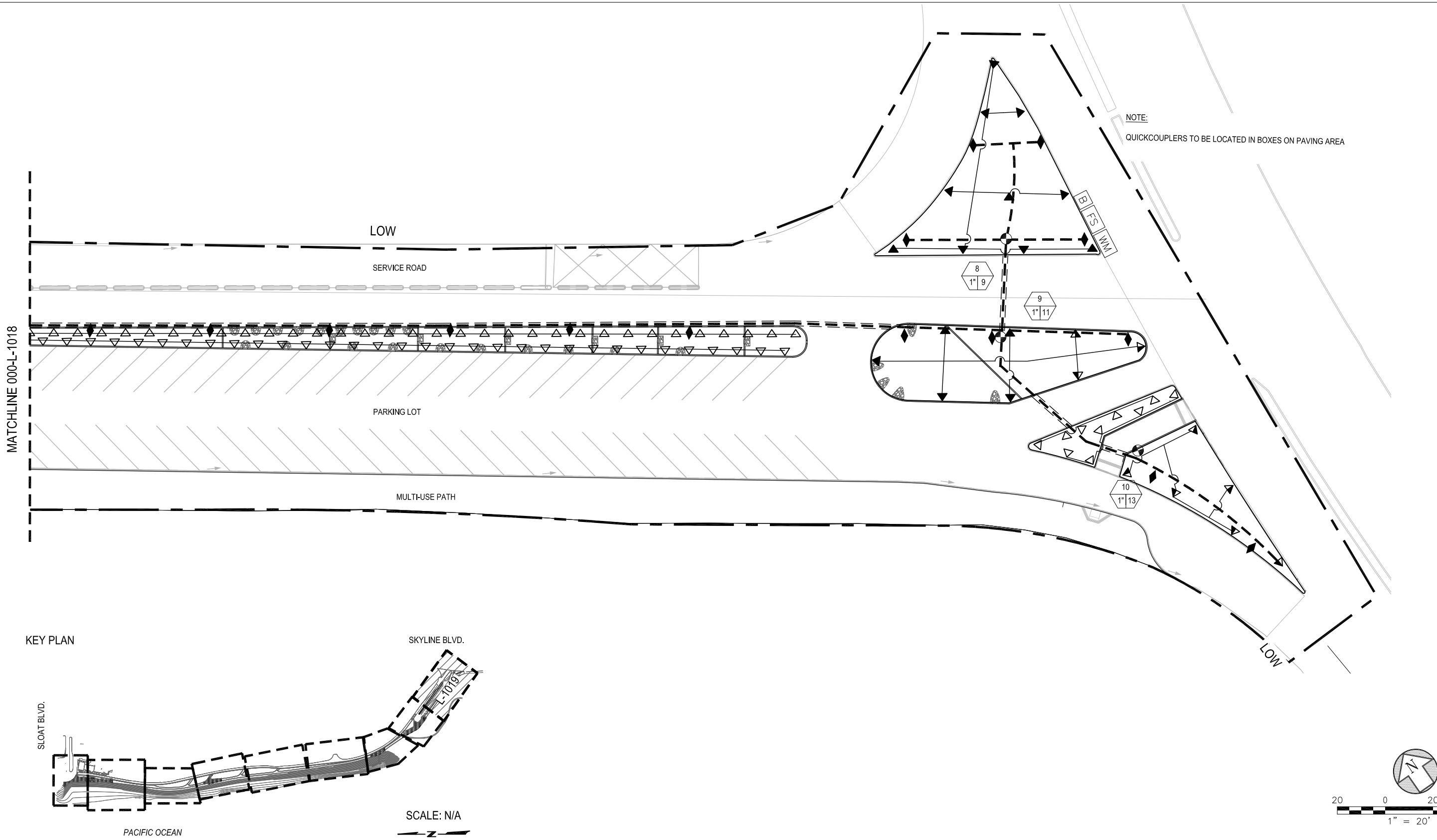


SCALE: N/A



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	No.	Date	Revisions																																				





EMB Mgr. ANNA ROCHE

WWE Engineering Mgr. HEATHER MANDERS

WWE O&M Mgr.

Section Mgr. HEATHER MANDERS

Designed

Drawn

Checked/Approved

San Francisco  
Water  
Power  
Sewer

Services of the San Francisco  
Public Utilities Commission  
INFRASTRUCTURE DIVISION  
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Contract No. WW-662

Elevation Datum

Project OCEAN BEACH CLIMATE CHANGE ADAPTATION PROJECT - LONG TERM IMPROVEMENTS

Drawing Title IRRIGATION PLAN

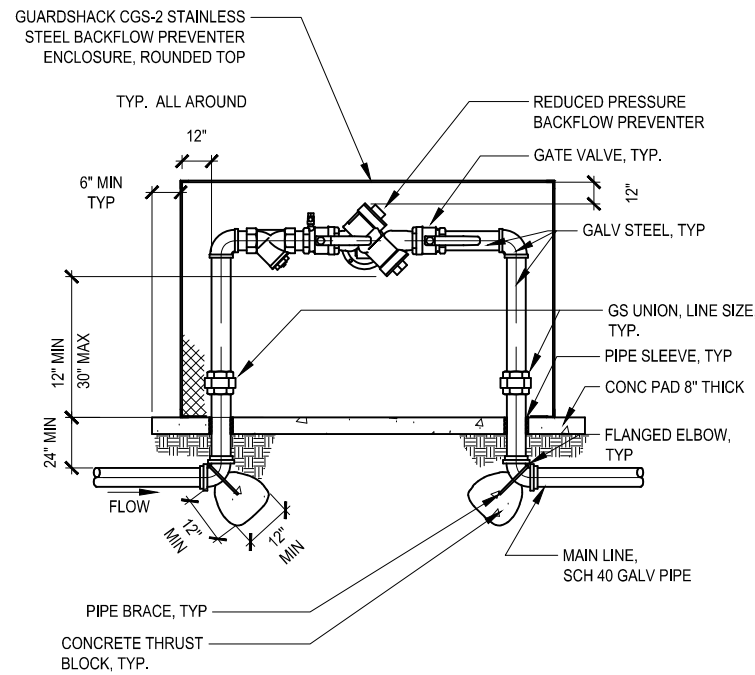
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Revision No. 0

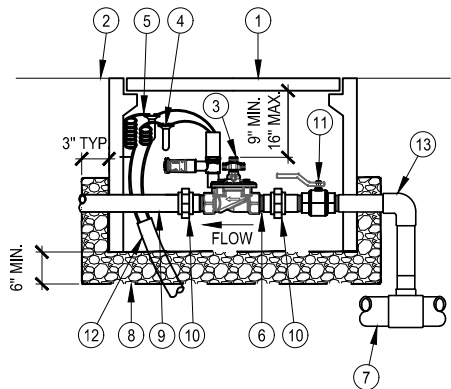
Plan No. L-1019

Project No. 11381

Scale: 1"=20'

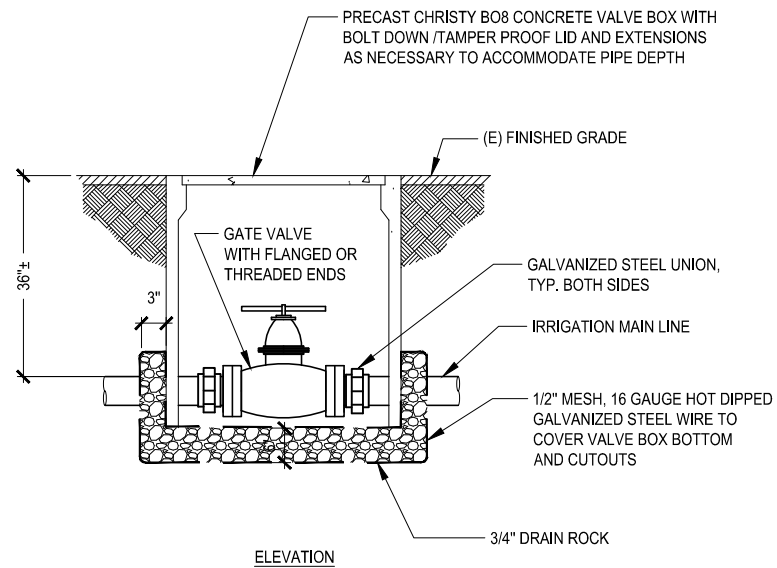


**1 BACKFLOW PREVENTER**  
SCALE: NTS



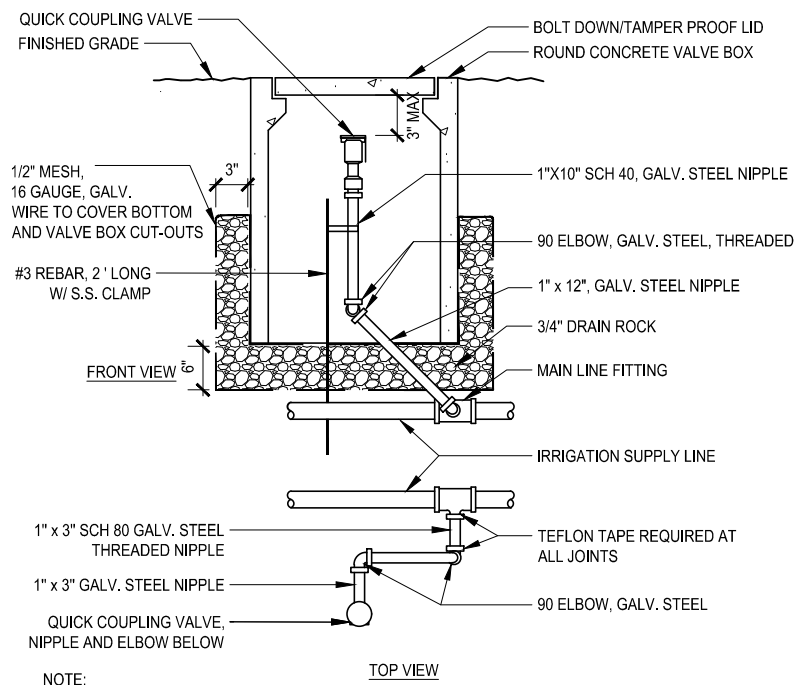
- 1 CONCRETE VALVE BOX WITH BOLT DOWN/TAMPER PROOF LID
- 2 FINISHED GRADE
- 3 REMOTE CONTROL VALVE, SEE NOTE 1
- 4 WATERPROOF CONNECTORS, SEE NOTE 2
- 5 18-24" COILED WIRE
- 6 BRASS NIPPLE, SEE NOTE 2
- 7 MAINLINE PIPE AND FITTINGS
- 8 3/4" DRAIN ROCK, W/ 1/2" 16 GAUGE, GALV. WIRE MESH SURROUND
- 9 PVC LATERAL PIPING
- 10 GS UNION, LINE SIZE
- 11 BRASS BALL VALVE, LINE SIZE
- 12 CONDUIT WITH WATERTIGHT SEALED END
- 13 GALVANIZED STEEL PIPING

**4 REMOTE CONTROL VALVE ASSEMBLY**  
SCALE: NTS



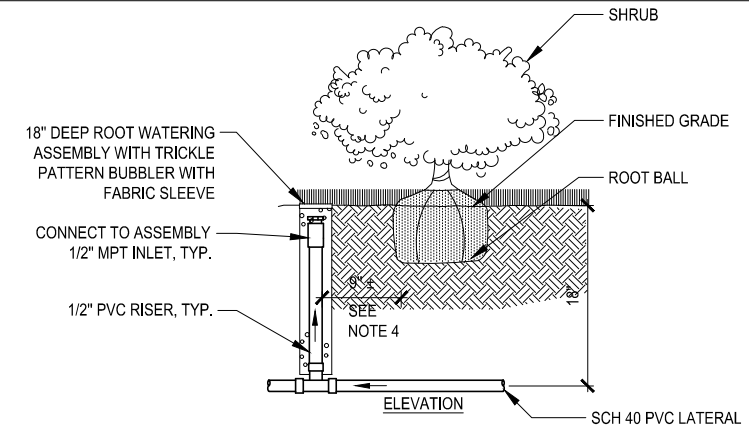
- NOTES:
- LID SHALL HAVE CAST IN 1" HIGH LETTERS THE APPROPRIATE WORDING: "IRRIGATION" ON TOP SURFACE
  - PROVIDE A GALVANIZED STEEL UNION ON BOTH SIDES OF THREADED GATE VALVE

**2 GATE VALVE**  
SCALE: NTS



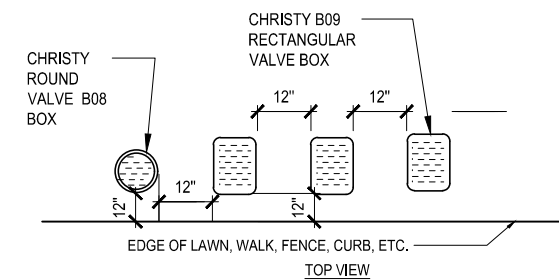
- NOTE:
- FOR 4" DIA. OR LARGER MAINLINE, USE A SADDLE CONNECTION
  - FOR 3" DIA. OR SMALLER MAINLINE CONNECTION, USE A THREADED TEE OR ELBOW

**5 QUICK COUPLING VALVE IN VALVE BOX**  
SCALE: NTS



- NOTES:
- REFER TO LANDSCAPE DWGS FOR EXACT LOCATION OF SHRUBS TO BE WATERED.
  - FIELD ADJUST ASSEMBLY LOCATION AS REQUIRED.
  - SINGLE BUBBLERS SHALL BE LOCATED ABOVE THE SHRUB ROOT BALL WHEN SHRUB IS LOCATED ON A SLOPED GRADE.
  - F/I ONE (1) WATERING ASSEMBLY PER TWO (2) SHRUBS SPACED EQUAL DISTANCE BETWEEN ROOT BALLS WHEN INSTALLING IN SHRUB ROWS AND ONE (1) PER SHRUB WHEN IN SHRUB AREAS.

**3 SHRUB WATERING ASSEMBLY**  
SCALE: NTS



- NOTES:
- CENTER BOX OVER VALVE TO FACILITATE SERVICING VALVE.
  - SET BOXES 1" ABOVE FINISH GRADE OR MULCH COVER IN GROUND COVER/SHRUB AREA AND FLUSH WITH FINISH GRADE IN TURF AREA.
  - SET VALVE BOX ASSEMBLY IN GROUND COVER/SHRUB AREA WHERE POSSIBLE.
  - SET BOXES PARALLEL TO EACH OTHER AND PERPENDICULAR TO EDGE.
  - AVOID HEAVILY COMPACTING SOIL AROUND VALVE BOX EDGES TO PREVENT COLLAPSE AND DEFORMATION OF VALVE BOX SIDES.
  - VALVE BOXES SHALL BE CONCRETE & HAVE BOLT DOWN/TAMPER PROOF LIDS

**6 VALVE BOX LAYOUT**  
SCALE: NTS

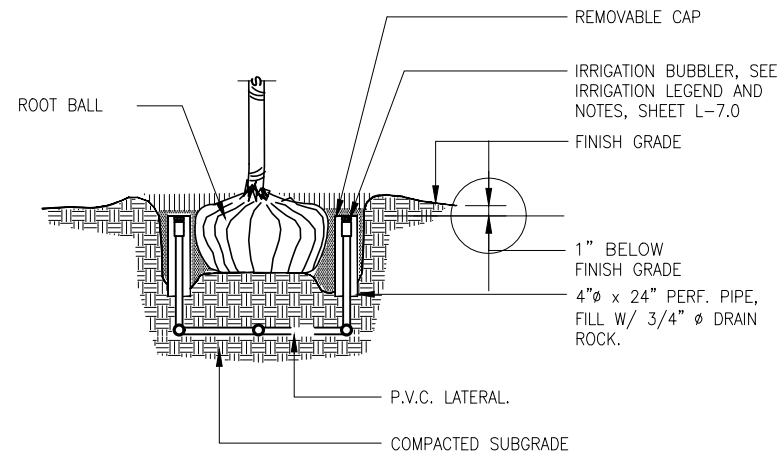
EMB Mgr. ANNA ROCHE  
 WWV Engineering Mgr. HEATHER MANDERS  
 WWV O&M Mgr. \_\_\_\_\_  
 Section Mgr. HEATHER MANDERS  
 Designed \_\_\_\_\_  
 Drawn \_\_\_\_\_  
 Checked/Approved \_\_\_\_\_

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 Deputy Bureau Mgr. N/A  
 Section Mgr. ANTHONY ESTERBROOKS  
 Proj. Engr. \_\_\_\_\_  
 Designed SG  
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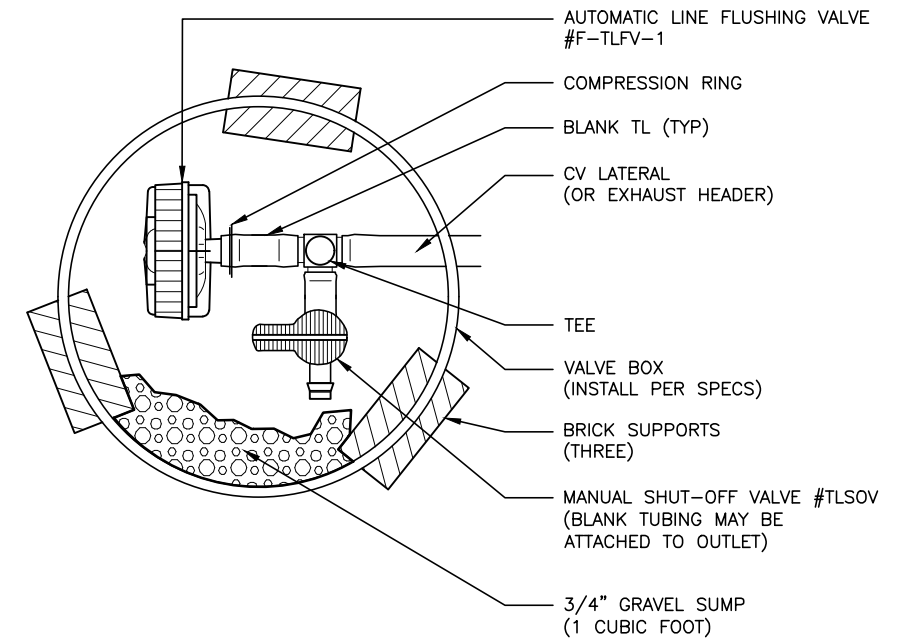
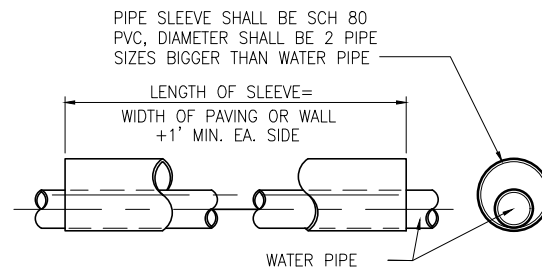
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Contract No. <b>WW-662</b>	Drawing Title <b>IRRIGATION DETAILS</b>	Project No. 11381
Elevation Datum	Drawing/File No.	Revision No. 0
Scale: AS NOTED		



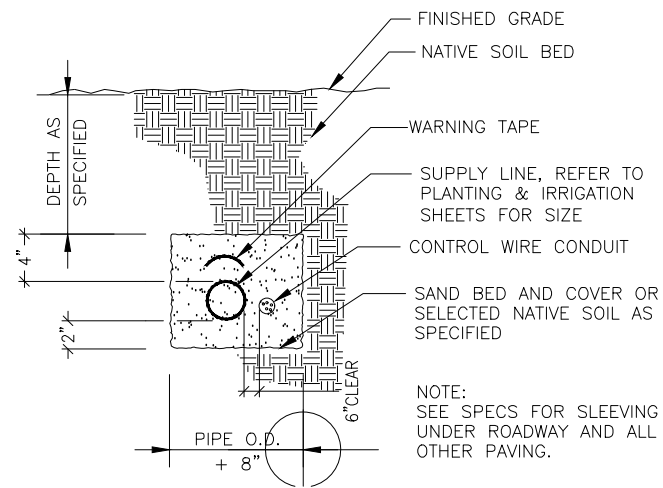
NOTE:  
CONTRACTOR TO PROVIDE (2) BUBBLERS PER TREE.



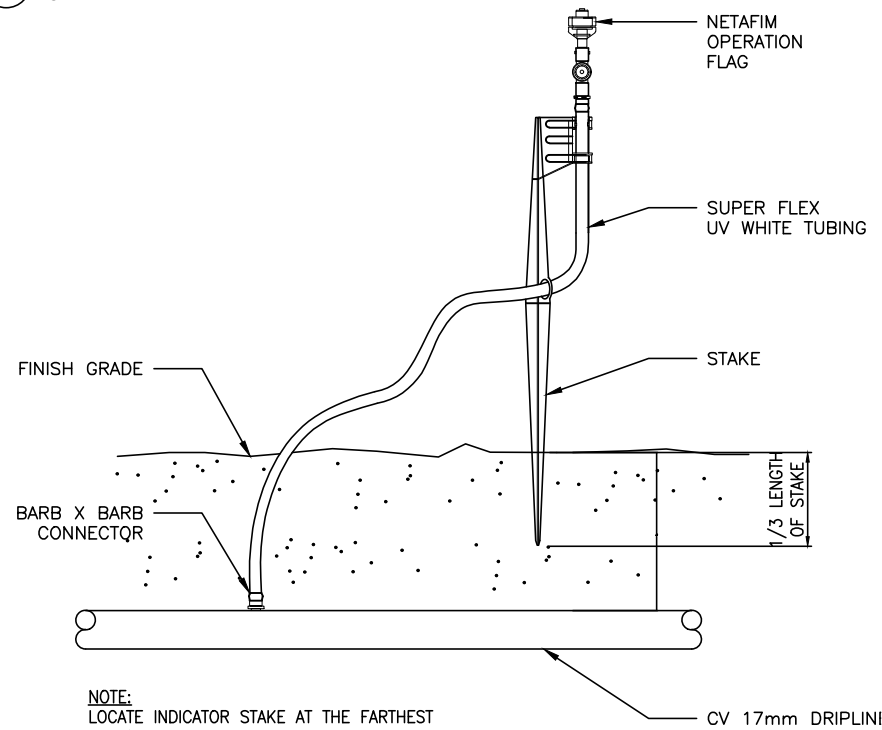
1 BUBBLER INSTALLATION @ TREE PIT  
SCALE: NTS

2 PIPE SLEEVE  
SCALE: NTS

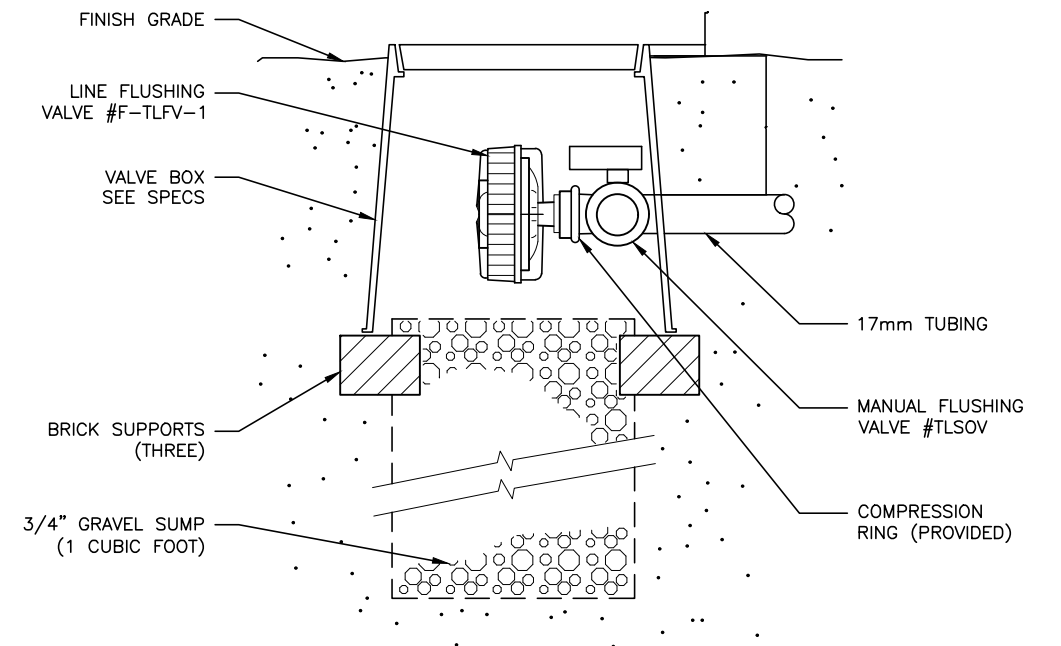
3 MANUAL LINE FLUSHING VALVE PLAN  
SCALE: NTS



NOTE:  
SEE SPECS FOR SLEEVING UNDER ROADWAY AND ALL OTHER PAVING.



NOTE:  
LOCATE INDICATOR STAKE AT THE FARTHEST AND/OR HIGHEST POINT ON THE ZONE.

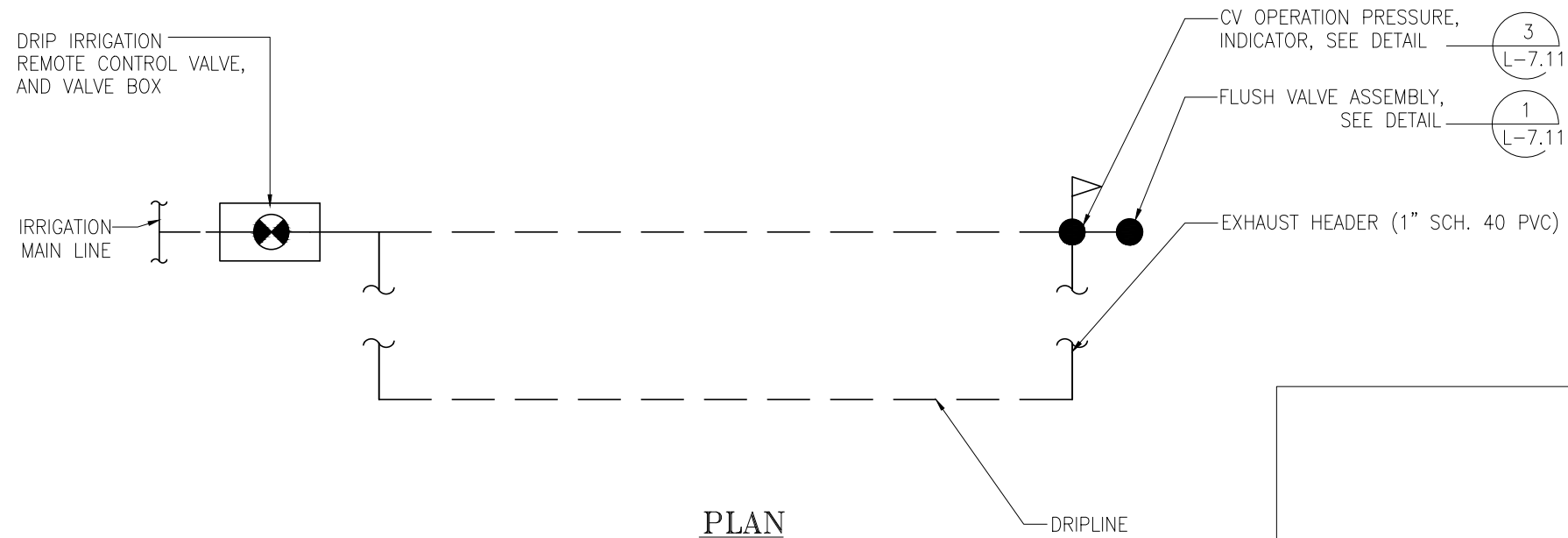


4 IRRIGATION SUPPLY LINE  
SCALE: NTS

5 CV OPERATION PRESSURE INDICATOR FLAG  
SCALE: NTS

6 MANUAL LINE FLUSHING VALVE SECTION  
SCALE: NTS

<p>San Francisco Water Power Sewer</p> <p>Services of the San Francisco Public Utilities Commission</p> <p>INFRASTRUCTURE DIVISION ENGINEERING MANAGEMENT BUREAU</p>	EMB Mgr. ANNA ROCHE WW Engineering Mgr. HEATHER MANDERS WW O&M Mgr. _____ Section Mgr. HEATHER MANDERS Designed _____ Drawn _____ Checked/Approved _____	BUREAU OF LANDSCAPE ARCHITECTURE <p>SAN FRANCISCO PUBLIC WORKS</p> <p>49 South Van Ness Ave., Suite 1000 San Francisco, CA 94103 Phone (628)271-2000</p>	Bureau Mgr. JENNIFER COOPER Deputy Bureau Mgr. N/A Section Mgr. ANTHONY ESTERBROOKS Proj. Engr. _____ Designed SG Drawn DA Checked by AA	95% SUBMITTAL 04/14/23 <table border="1"> <thead> <tr> <th>No.</th> <th>Date</th> <th>Revisions</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>	No.	Date	Revisions																												Project OCEAN BEACH CLIMATE CHANGE ADAPTATION PROJECT - LONG TERM IMPROVEMENTS Plan No. L-5002
	No.	Date	Revisions																																
	Contract No. WW-662	Drawing Title IRRIGATION DETAILS Project No. 11381	Elevation Datum Drawing/File No Revision No. 0 Scale: AS NOTED	FOR THE SOLE USE OF THE DOCUMENT RECIPIENT - DO NOT CITE, COPY, OR CIRCULATE WITHOUT THE EXPRESSED PERMISSION OF THE SFPUC.	Project No. L-5002																														
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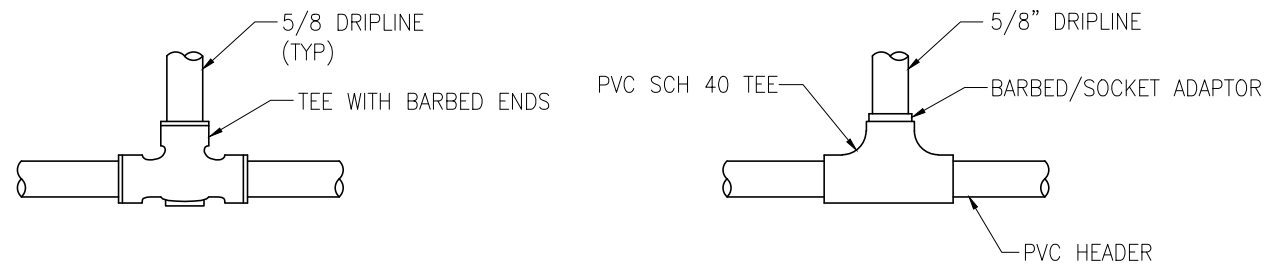


**PLAN**

**NOTES:**

1. REFER TO RCV CALLOUT FOR SPACING BETWEEN EMITTERS ON DRIPLINE.
2. HEADER AND FOOTER LENGTHS VARY.
3. DRIP LINES SHALL PARALLEL CONTOUR LINES WHERE POSSIBLE.
4. ALL DRIPLINES AND SUPPLY/DISCHARGE HEADERS SHALL BE BURIED 6 INCHES BELOW THE FINISHED SURFACE (MULCH OR SOIL).

**1 DRIP IRRIGATION TYPICAL LAYOUT DETAIL**  
SCALE: NTS



**DRIPLINE TO DRIPLINE**

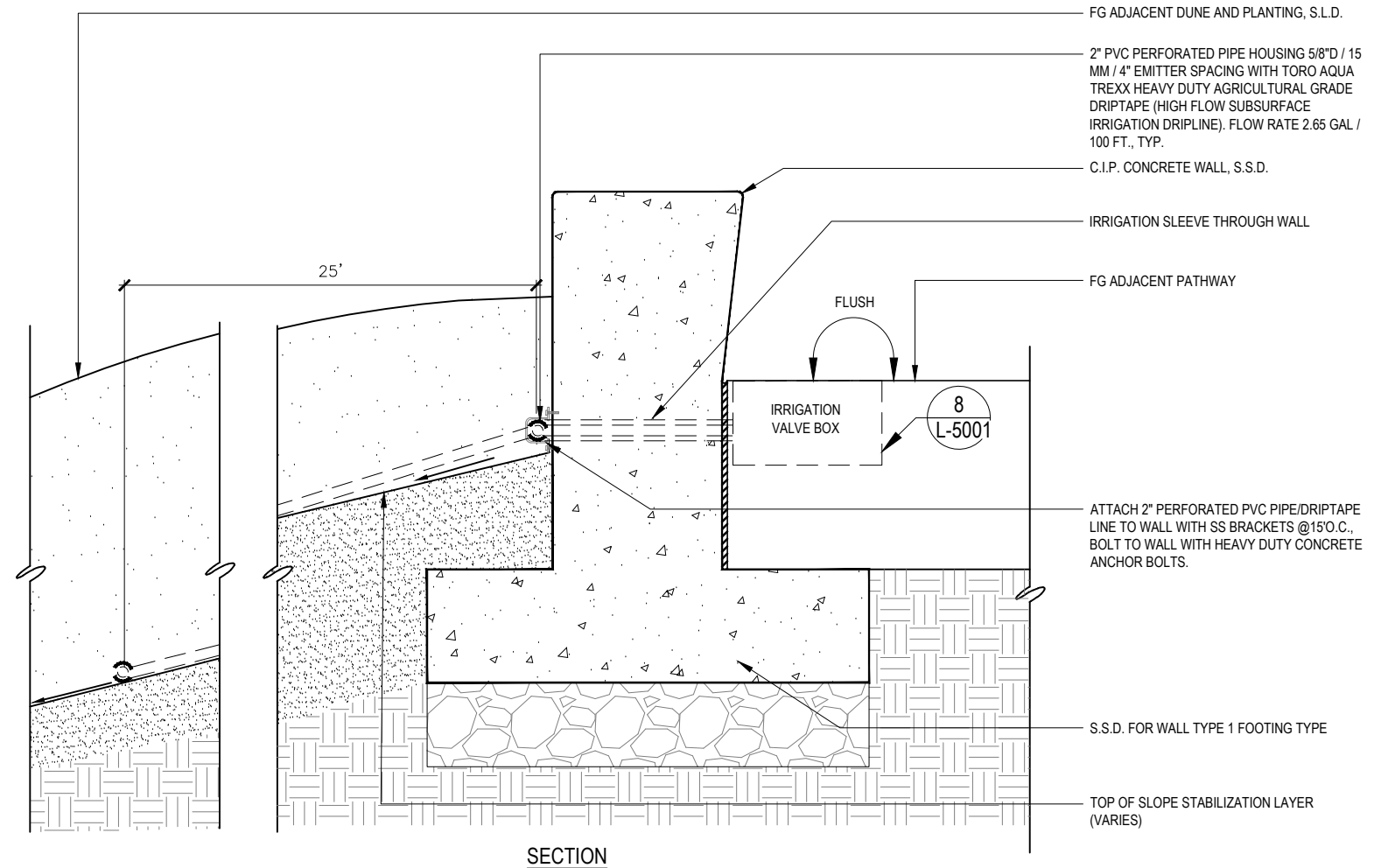
**DRIPLINE TO PVC MANIFOLD**

**NOTE:**

1. ALL DRIPPERLINES SHALL BE SECURED TO BARBED ENDS WITH TYPE 316 SS PIPE CLAMPS. CONNECTORS SHALL BE THE SAME MANUFACTURER AS DRIPPERLINE, NETAFIM OR APPROVED EQUAL.

**2 DRIPLINE CONNECTION DETAIL**  
SCALE: NTS

**3 SUBSURFACE IRRIGATION AT WALL**  
SCALE: 1 1/2"=1'-0"



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INFRASTRUCTURE DIVISION  
ENGINEERING MANAGEMENT BUREAU

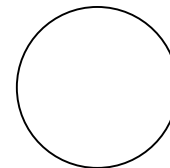
EMB Mgr. ANNA ROCHE  
WWE Engineering Mgr. HEATHER MANDERS  
WWE O&M Mgr.  
Section Mgr. HEATHER MANDERS  
Designed  
Drawn  
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Contract No. WW-662

Elevation Datum

Project OCEAN BEACH CLIMATE CHANGE ADAPTATION PROJECT - LONG TERM IMPROVEMENTS

Drawing Title IRRIGATION DETAILS

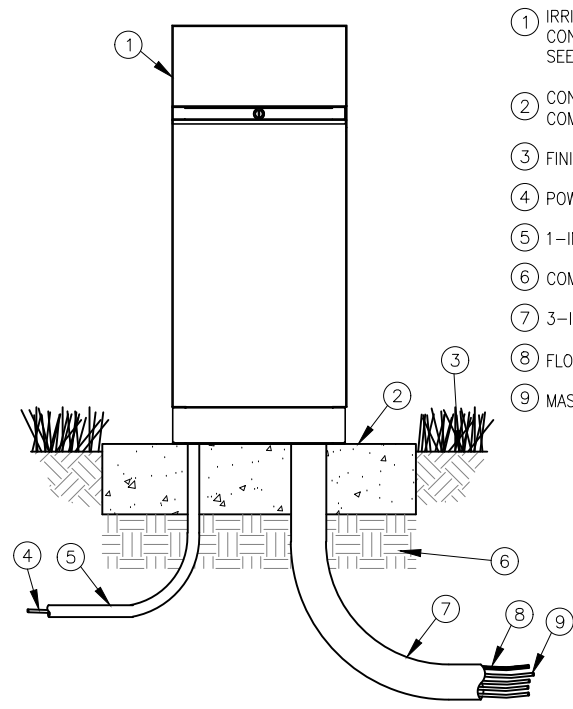
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Revision No. 0

Plan No. L-5003

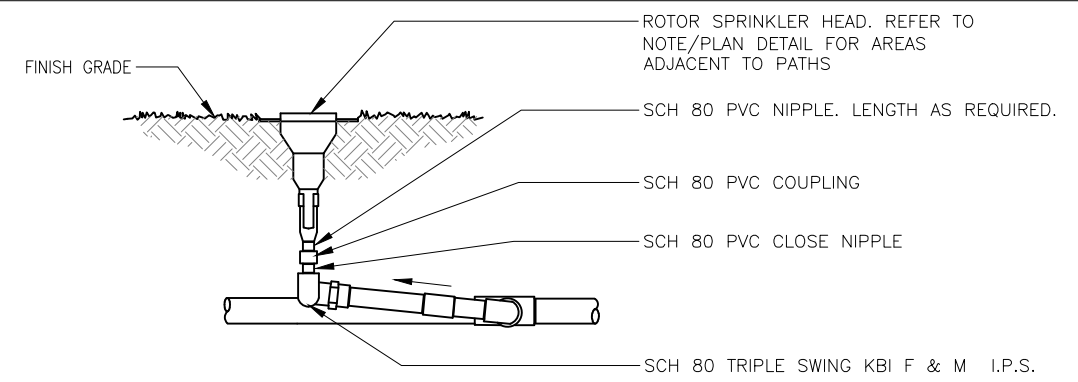
Project No. 11381

Scale: AS NOTED

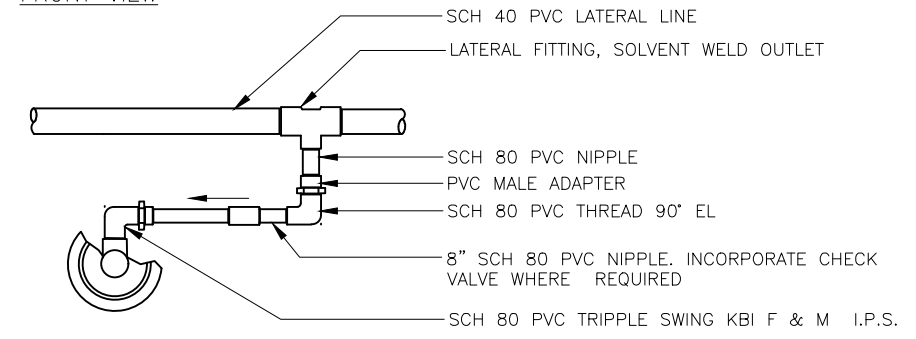


- ① IRRIGATION CONTROLLER: CONTROLLER MOUNTED IN SSE HEAVY DUTY STAINLESS STEEL ENCLOSURE, SEE IRRIGATION LEGEND.
- ② CONCRETE PAD: 6-INCH MINIMUM THICKNESS. PAD 18"WX16"D ON 95% COMPACTED SOIL
- ③ FINISH GRADE
- ④ POWER SUPPLY WIRE
- ⑤ 1-INCH SCH 40 PVC CONDUIT, FITTINGS AND SWEEP ELL FOR POWER SUPPLY
- ⑥ COMPACTED SUBGRADE
- ⑦ 3-INCH SCH 40 PVC CONDUIT, FITTINGS AND SWEEP ELL FOR STATION WIRES
- ⑧ FLOW SENSOR WIRE (PE 39, 89 OR 54) TO FLOW SENSOR
- ⑨ MASTER VALVE AND REMOTE CONTROL VALVE WIRES

**1 PEDESTAL MOUNT CONTROLLER ENCLOSURE**  
SCALE: NTS



FRONT VIEW



TOP VIEW

**2 POP-UP W/SWING JOINT**  
SCALE: NTS

San Francisco **Water Power Sewer**  
Services of the San Francisco Public Utilities Commission  
INFRASTRUCTURE DIVISION  
ENGINEERING MANAGEMENT BUREAU

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WWE O&M Mgr.  
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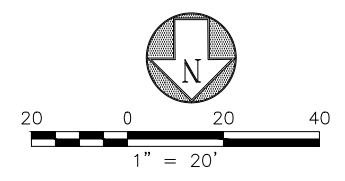
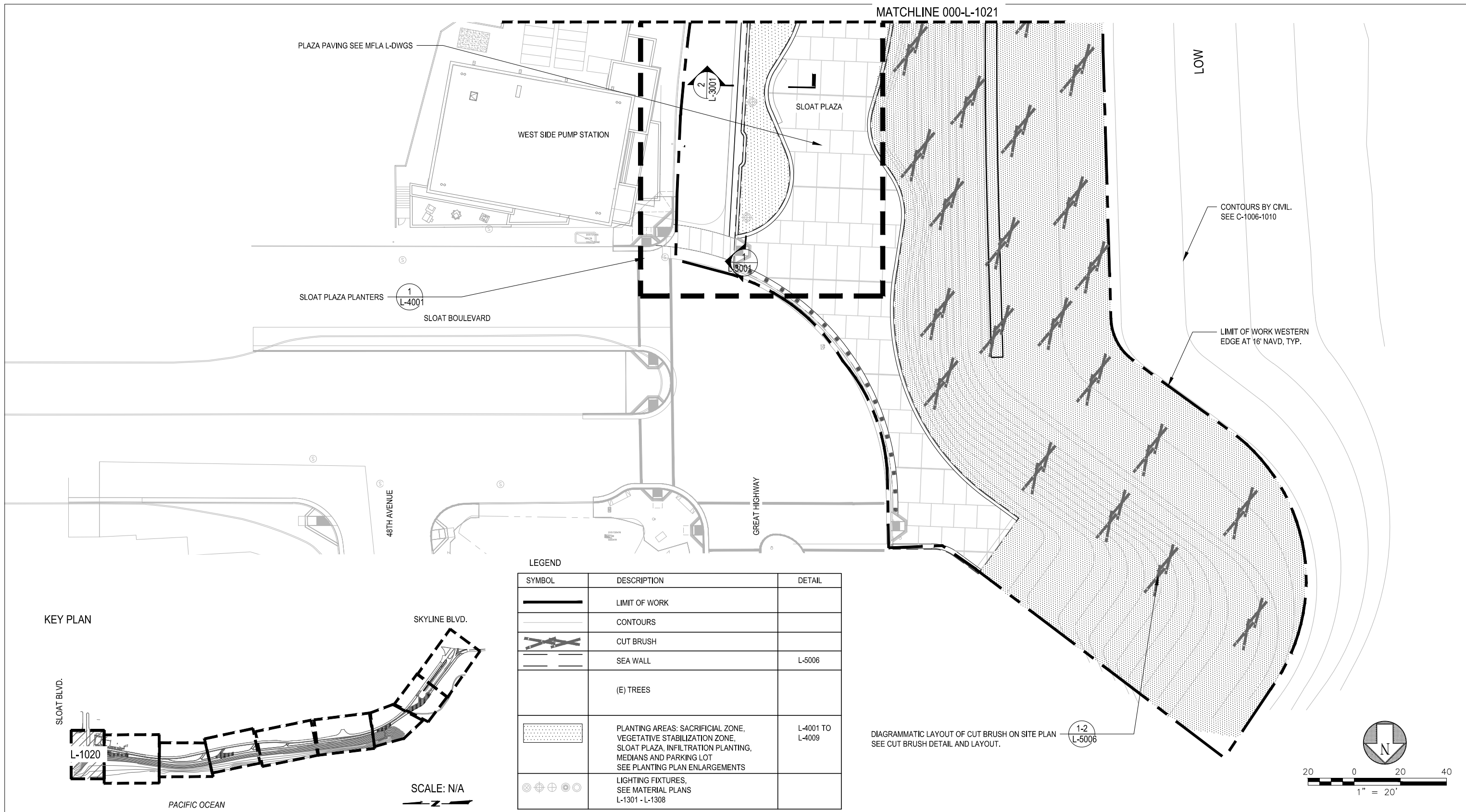
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Deputy Bureau Mgr. N/A  
Section Mgr. ANTHONY ESTERBROOKS

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Contract No. <b>WW-662</b>	Drawing Title <b>IRRIGATION DETAILS</b>		Project No. 11381
Elevation Datum	Drawing/File No.	Revision No. 0	Scale: AS NOTED



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WWE Engineering Mgr. HEATHER MANDERS

WWE O&M Mgr.

Section Mgr. HEATHER MANDERS

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Contract No. WW-662

Elevation Datum

Project OCEAN BEACH CLIMATE CHANGE ADAPTATION PROJECT - LONG TERM IMPROVEMENTS

Drawing Title PLANTING PLAN

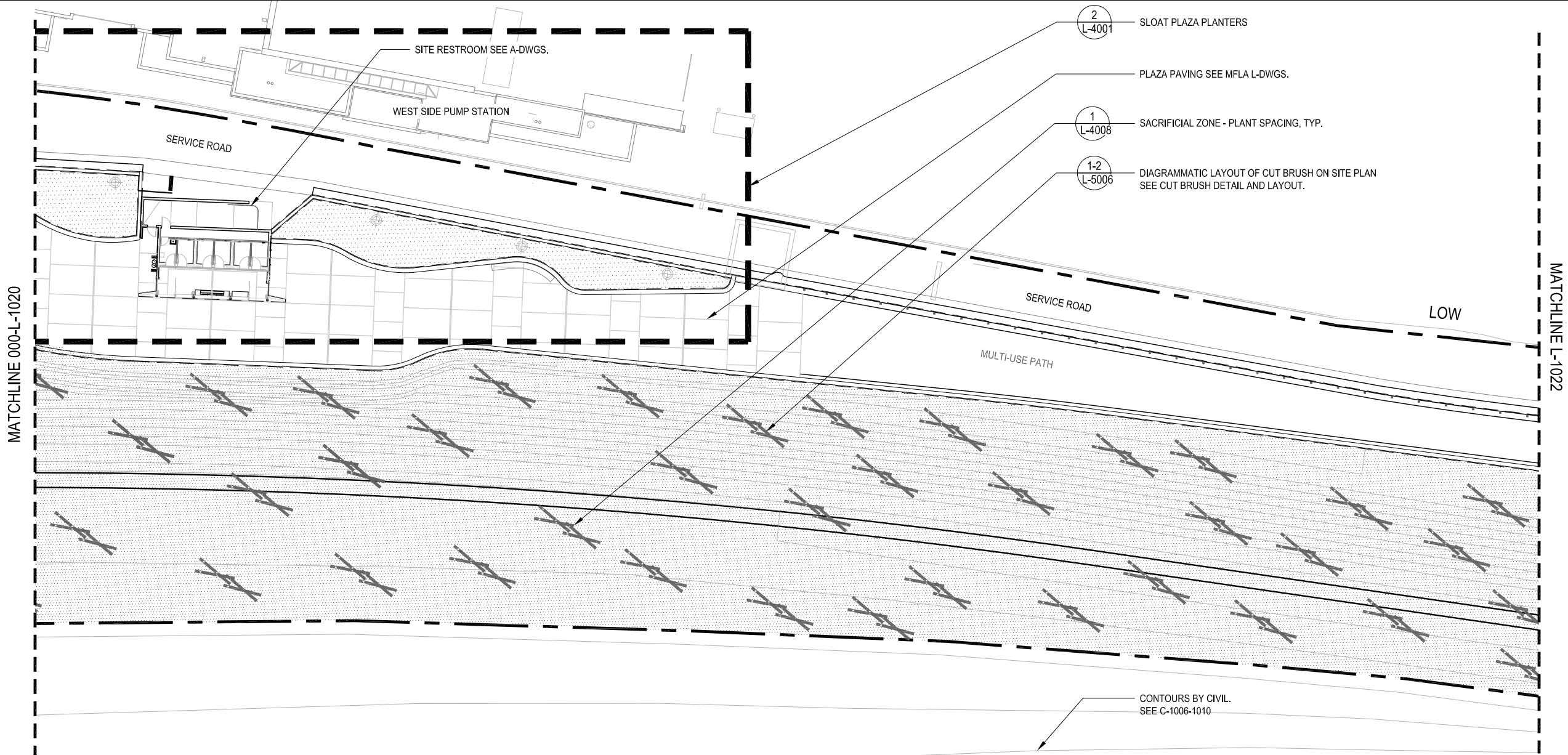
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Revision No. 0

Plan No. L-1020

Project No. 11381

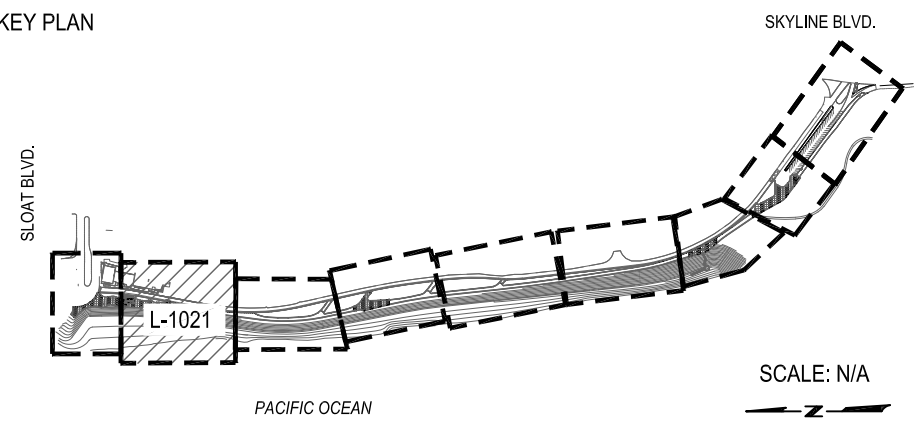
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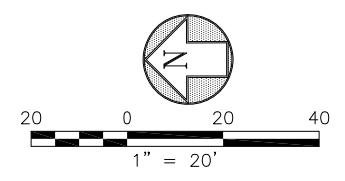
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MATCHLINE L-1022

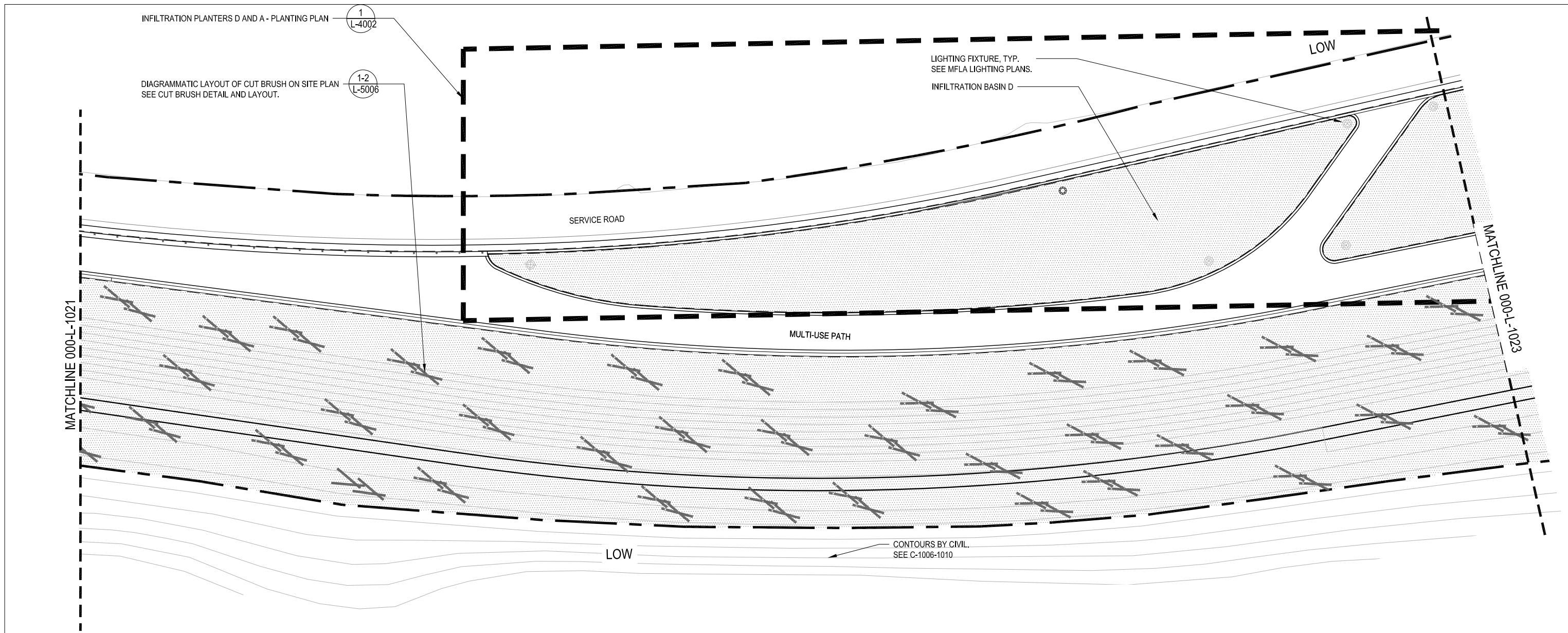
KEY PLAN



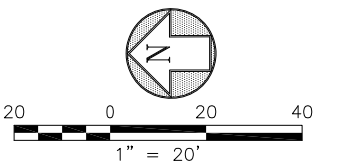
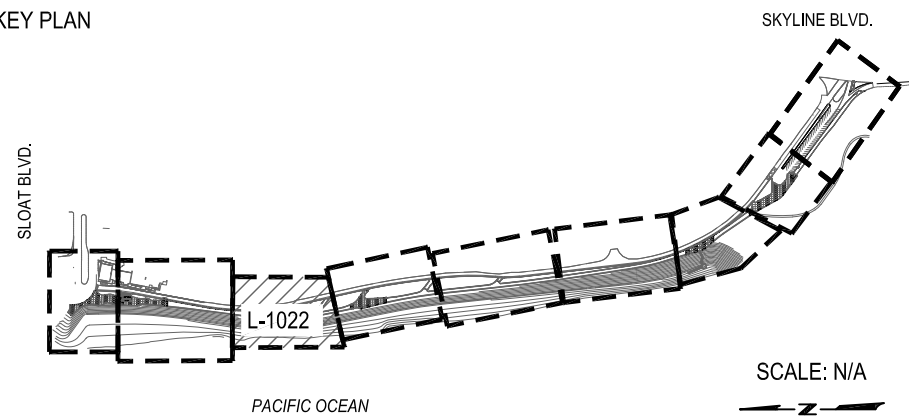
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<p>San Francisco Water Power Sewer</p> <p>Services of the San Francisco Public Utilities Commission INFRASTRUCTURE DIVISION ENGINEERING MANAGEMENT BUREAU</p>	EMB Mgr. ANNA ROCHE WVE Engineering Mgr. HEATHER MANDERS WVE O&M Mgr. _____ Section Mgr. HEATHER MANDERS Designed _____ Drawn _____ Checked/Approved _____	BUREAU OF LANDSCAPE ARCHITECTURE <p>SAN FRANCISCO PUBLIC WORKS</p> <p>49 South Van Ness Ave., Suite 1000 San Francisco, CA 94103 Phone (628)271-2000</p>	Bureau Mgr. JENNIFER COOPER Deputy Bureau Mgr. N/A Section Mgr. ANTHONY ESTERBROOKS Proj. Engr. _____ Designed SG Drawn DA Checked by AA	95% SUBMITTAL 04/14/23 <table border="1"> <thead> <tr> <th>No.</th> <th>Date</th> <th>Revisions</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>	No.	Date	Revisions																															Project <b>OCEAN BEACH CLIMATE CHANGE ADAPTATION PROJECT - LONG TERM IMPROVEMENTS</b> Plan No. <b>L-1021</b>
	No.	Date	Revisions																																			
Contract No. <b>WW-662</b>	Drawing Title <b>PLANTING PLAN</b>	Project No. 11381																																				
Elevation Datum	Drawing/File No	Revision No. 0 Scale: 1"=20'																																				

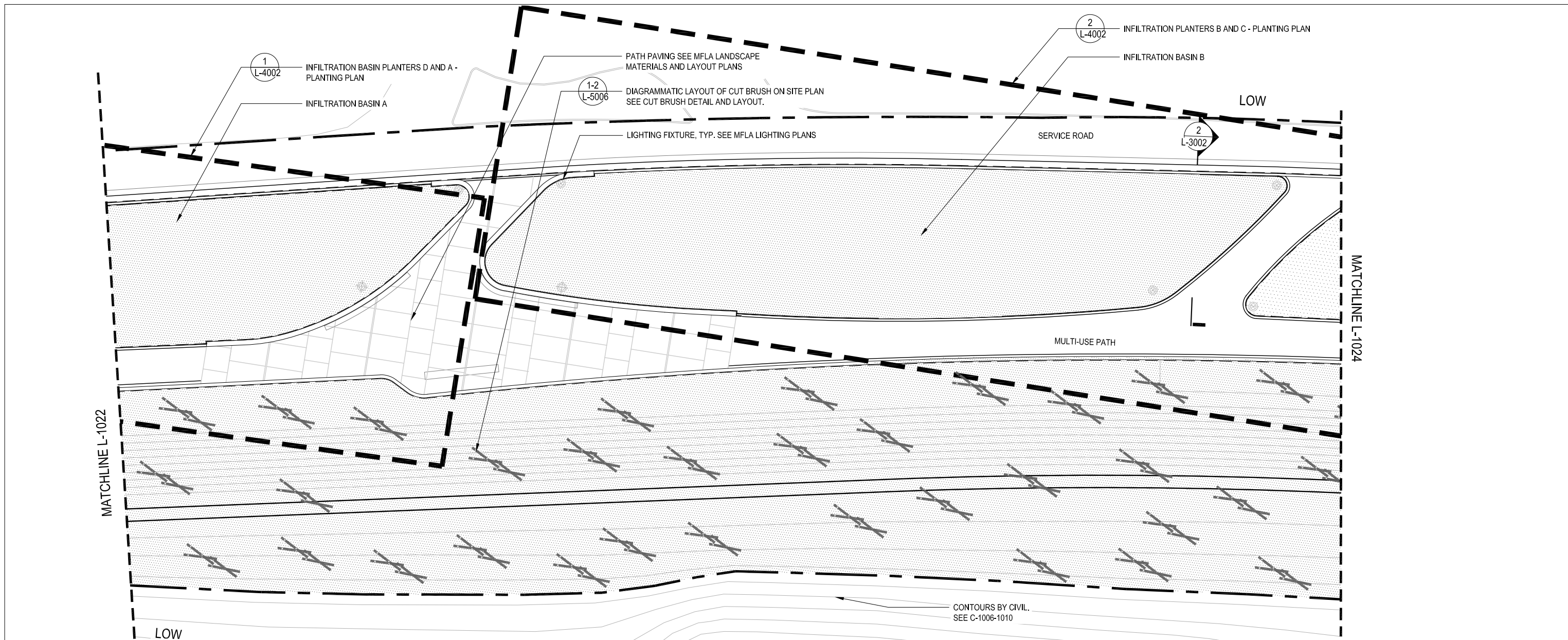


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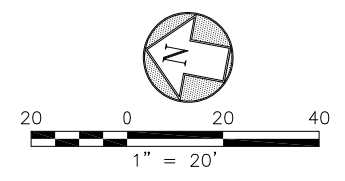
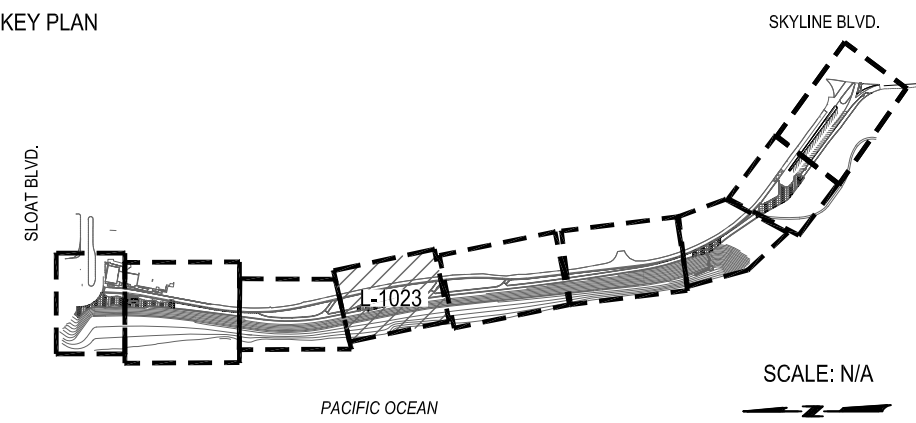


 <p>San Francisco <b>Water Power Sewer</b> Services of the San Francisco Public Utilities Commission INFRASTRUCTURE DIVISION ENGINEERING MANAGEMENT BUREAU</p>	EMB Mgr. ANNA ROCHE <hr/> WVE Engineering Mgr. HEATHER MANDERS <hr/> WVE O&M Mgr. _____ <hr/> Section Mgr. HEATHER MANDERS <hr/> Designed _____ <hr/> Drawn _____ <hr/> Checked/Approved _____	BUREAU OF LANDSCAPE ARCHITECTURE  <p>49 South Van Ness Ave., Suite 1000 San Francisco, CA 94103 Phone (628)271-2000</p>	Bureau Mgr. JENNIFER COOPER <hr/> Deputy Bureau Mgr. N/A <hr/> Section Mgr. ANTHONY ESTERBROOKS <hr/> Proj. Engr. _____ <hr/> Designed SG <hr/> Drawn DA <hr/> Checked by AA	95% SUBMITTAL 04/14/23 <table border="1"> <thead> <tr> <th>No.</th> <th>Date</th> <th>Revisions</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>	No.	Date	Revisions																															FOR THE SOLE USE OF THE DOCUMENT RECIPIENT - DO NOT CITE, COPY, OR CIRCULATE WITHOUT THE EXPRESSED PERMISSION OF THE SFPUC. <hr/> Contract No. WW-662 <hr/> Elevation Datum _____	Project OCEAN BEACH CLIMATE CHANGE ADAPTATION PROJECT - LONG TERM IMPROVEMENTS <hr/> Drawing Title PLANTING PLAN <hr/> Drawing/File No. _____ <hr/> Revision No. 0 <hr/> Scale: 1"=20'	Plan No. L-1022 <hr/> Project No. 11381 <hr/> Scale: 1"=20'
	No.	Date	Revisions																																					

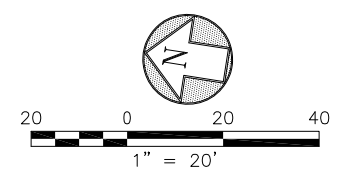
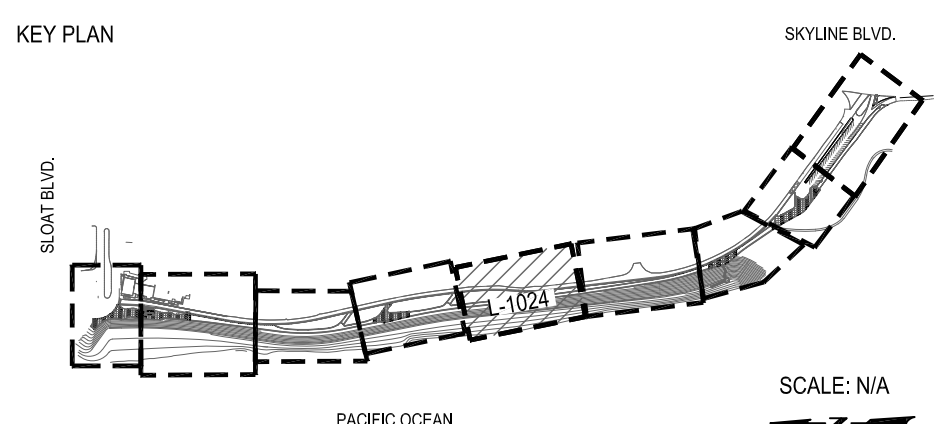
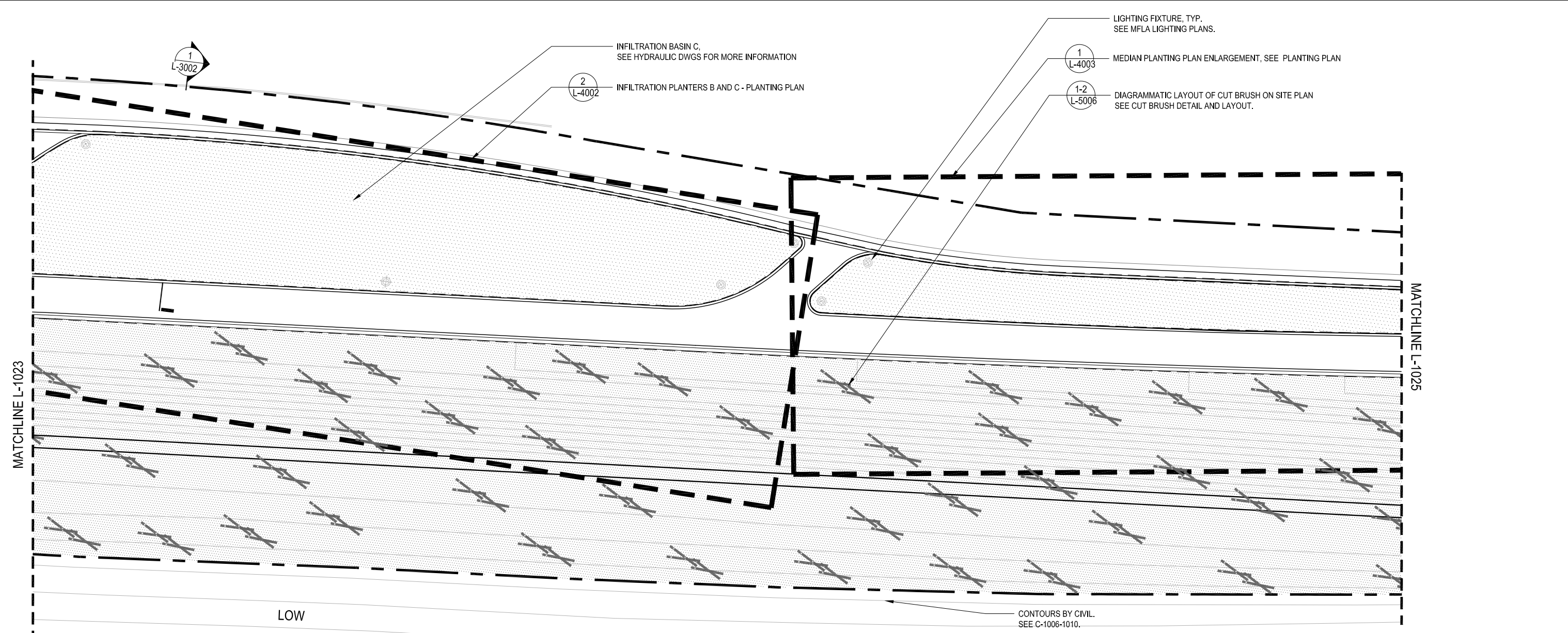




KEY PLAN



<p>San Francisco <b>Water Power Sewer</b> Services of the San Francisco Public Utilities Commission INFRASTRUCTURE DIVISION ENGINEERING MANAGEMENT BUREAU</p>	EMB Mgr. ANNA ROCHE _____ WVE Engineering Mgr. HEATHER MANDERS _____ WVE O&M Mgr. _____ _____ Section Mgr. HEATHER MANDERS _____ Designed _____ _____ Drawn _____ _____ Checked/Approved _____ _____	BUREAU OF LANDSCAPE ARCHITECTURE  49 South Van Ness Ave., Suite 1000 San Francisco, CA 94103 Phone (628)271-2000	Bureau Mgr. JENNIFER COOPER _____ Deputy Bureau Mgr. N/A _____ Section Mgr. ANTHONY ESTERBROOKS _____ _____ Proj. Engr. _____ _____ Designed SG _____ Drawn DA _____ Checked by AA _____	95% SUBMITTAL 04/14/23 <table border="1"> <thead> <tr> <th>No.</th> <th>Date</th> <th>Revisions</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>	No.	Date	Revisions																															Project <b>OCEAN BEACH CLIMATE CHANGE ADAPTATION PROJECT - LONG TERM IMPROVEMENTS</b> Plan No. <b>L-1023</b>
	No.	Date	Revisions																																			
Contract No. <b>WW-662</b>	Drawing Title <b>PLANTING PLAN</b>	Project No. 11381																																				
Elevation Datum	Drawing/File No	Revision No. 0	Scale: 1"=20'																																			



EMB Mgr. ANNA ROCHE  
 WVE Engineering Mgr. HEATHER MANDERS  
 WVE O&M Mgr. \_\_\_\_\_  
 Section Mgr. HEATHER MANDERS  
 Designed \_\_\_\_\_  
 Drawn \_\_\_\_\_  
 Checked/Approved \_\_\_\_\_

BUREAU OF LANDSCAPE ARCHITECTURE  
  
 49 South Van Ness Ave., Suite 1000  
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 Phone (628)271-2000

Bureau Mgr. JENNIFER COOPER  
 Deputy Bureau Mgr. N/A  
 Section Mgr. ANTHONY ESTERBROOKS  
 Proj. Engr. \_\_\_\_\_  
 Designed SG  
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 Checked by AA

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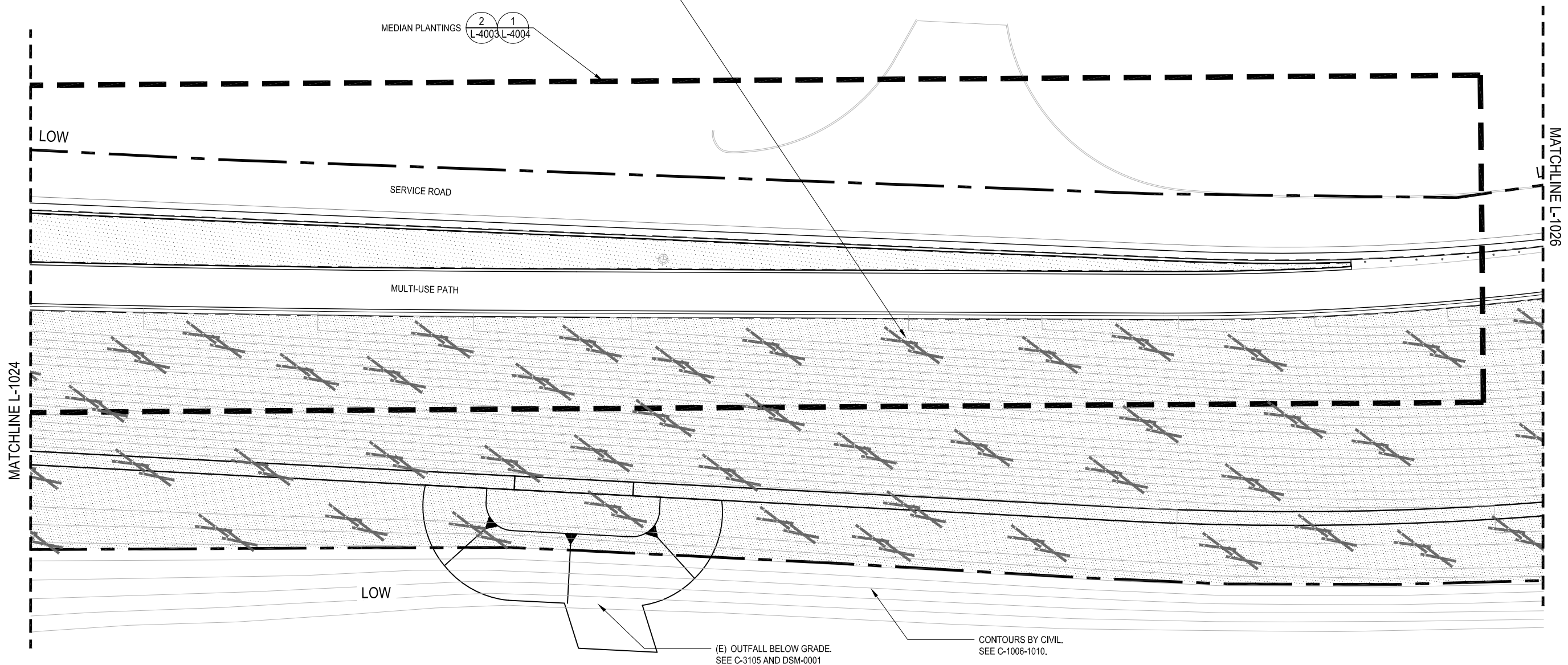
No.	Date	Revisions

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Contract No. <b>WW-662</b>	Drawing Title <b>PLANTING PLAN</b>	Project No. 11381
Elevation Datum	Drawing/File No	Revision No. 0
For reduced plans original scale is in inches		Scale: 1"=20'

DIAGRAMMATIC LAYOUT OF CUT BRUSH ON SITE PLAN  
SEE CUT BRUSH DETAIL AND LAYOUT, TYP.

MEDIAN PLANTINGS  
2 L-4003 1 L-4004

1-2  
L-5006

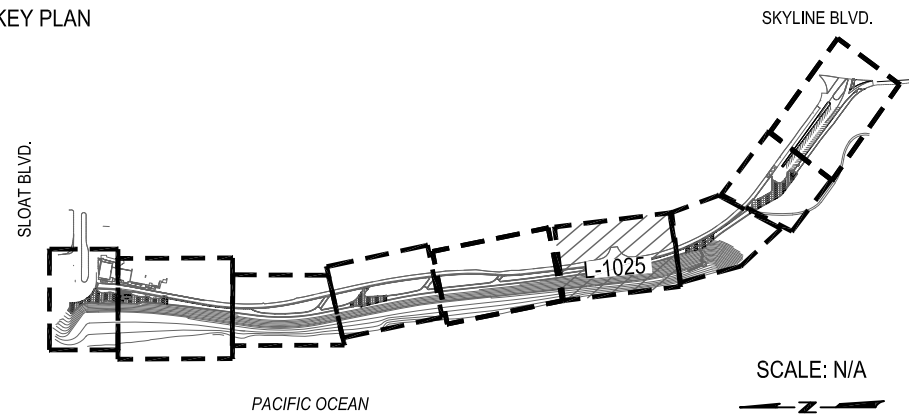


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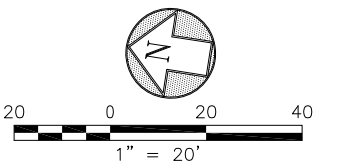
(E) OUTFALL BELOW GRADE.  
SEE C-3105 AND DSM-0001

CONTOURS BY CIVIL.  
SEE C-1006-1010.

KEY PLAN



SCALE: N/A



EMB Mgr. ANNA ROCHE  
 \_\_\_\_\_  
 WVE Engineering Mgr. HEATHER MANDERS  
 \_\_\_\_\_  
 WVE O&M Mgr. \_\_\_\_\_  
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Contract No.  
 WW-662

Elevation Datum

Project  
 OCEAN BEACH CLIMATE CHANGE ADAPTATION  
 PROJECT - LONG TERM IMPROVEMENTS

Drawing Title  
 PLANTING PLAN

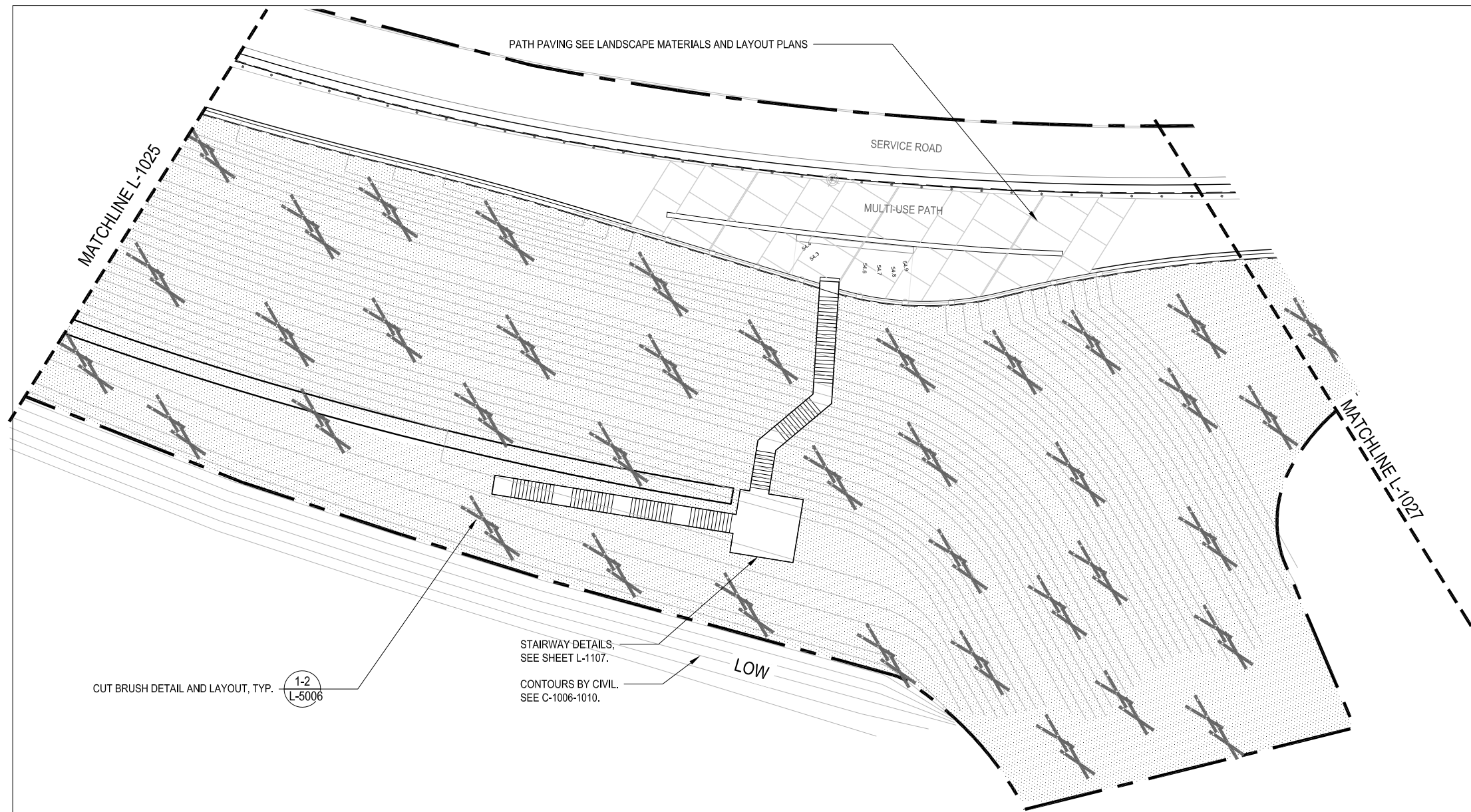
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Revision No. 0

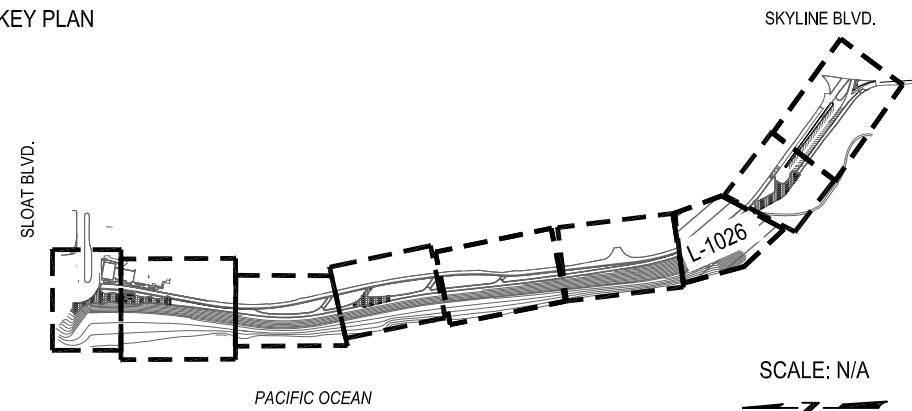
Plan No.  
 L-1025

Project No.  
 11381

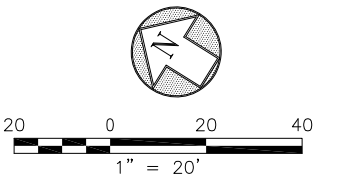
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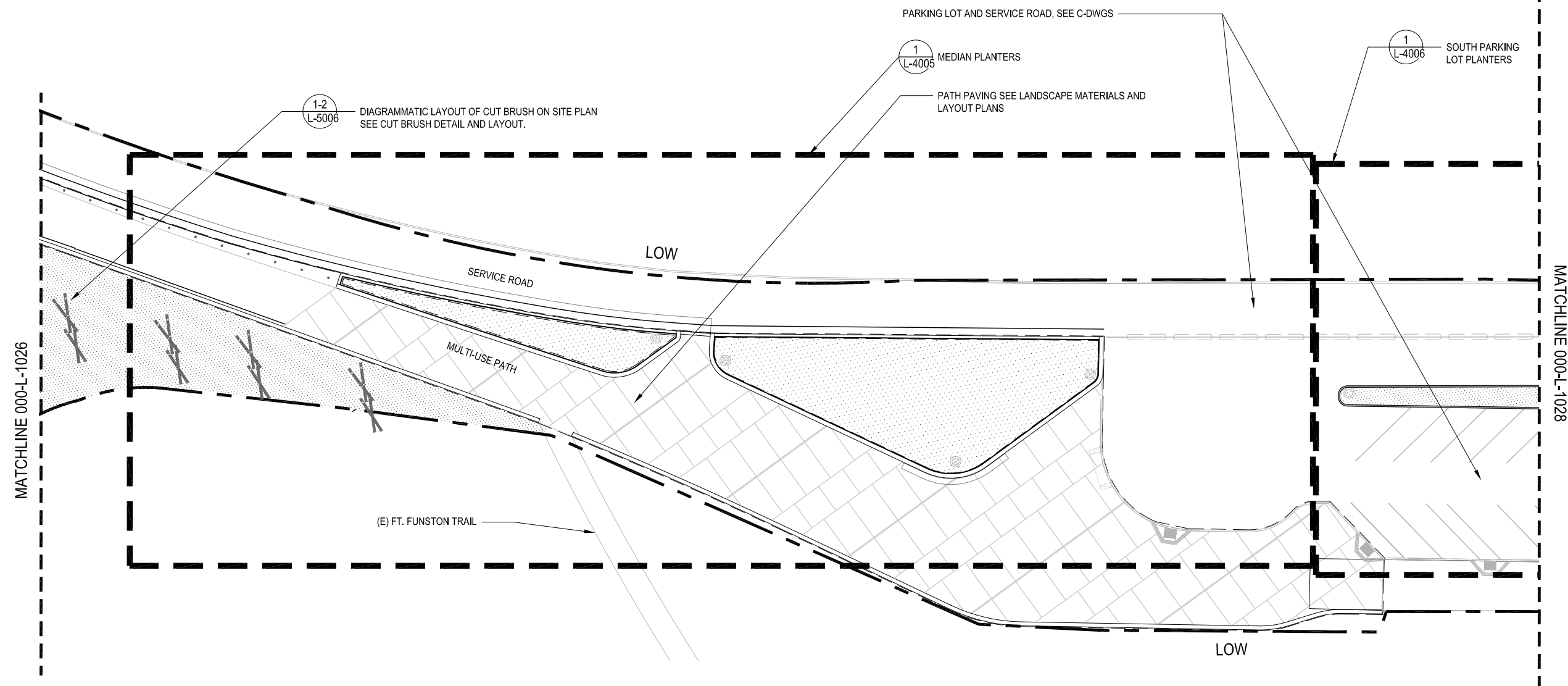
KEY PLAN



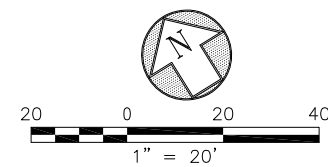
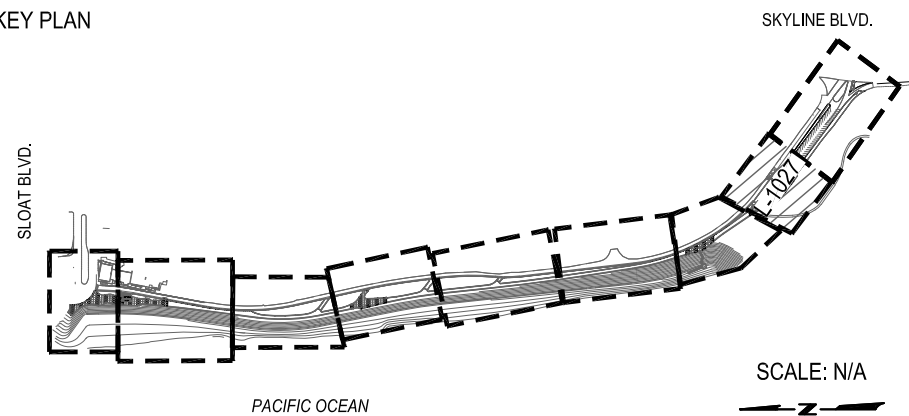
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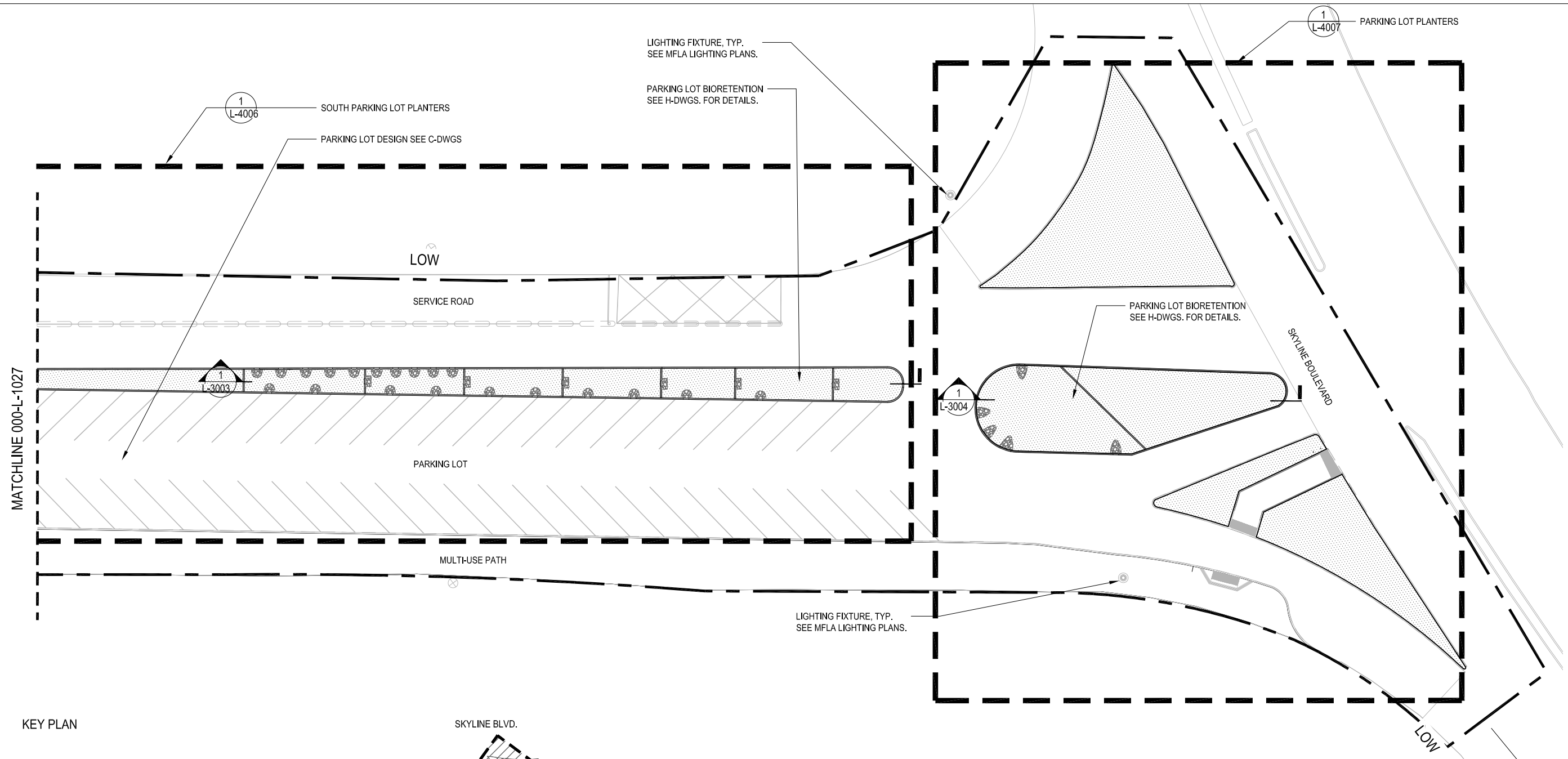
 <p>San Francisco <b>Water Power Sewer</b> Services of the San Francisco Public Utilities Commission INFRASTRUCTURE DIVISION ENGINEERING MANAGEMENT BUREAU</p>	EMB Mgr. ANNA ROCHE <hr/> WVE Engineering Mgr. HEATHER MANDERS <hr/> WVE O&M Mgr. _____ <hr/> Section Mgr. HEATHER MANDERS <hr/> Designed _____ <hr/> Drawn _____ <hr/> Checked/Approved _____	BUREAU OF LANDSCAPE ARCHITECTURE  <p>49 South Van Ness Ave., Suite 1000 San Francisco, CA 94103 Phone (628)271-2000</p>	Bureau Mgr. JENNIFER COOPER <hr/> Deputy Bureau Mgr. N/A <hr/> Section Mgr. ANTHONY ESTERBROOKS <hr/> Proj. Engr. _____ <hr/> Designed SG <hr/> Drawn DA <hr/> Checked by AA	95% SUBMITTAL 04/14/23 <table border="1"> <thead> <tr> <th>No.</th> <th>Date</th> <th>Revisions</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>	No.	Date	Revisions																												FOR THE SOLE USE OF THE DOCUMENT RECIPIENT - DO NOT CITE, COPY, OR CIRCULATE WITHOUT THE EXPRESSED PERMISSION OF THE SFPUC.	Project <b>OCEAN BEACH CLIMATE CHANGE ADAPTATION PROJECT - LONG TERM IMPROVEMENTS</b>	Plan No. <b>L-1026</b>
	No.	Date	Revisions																																		
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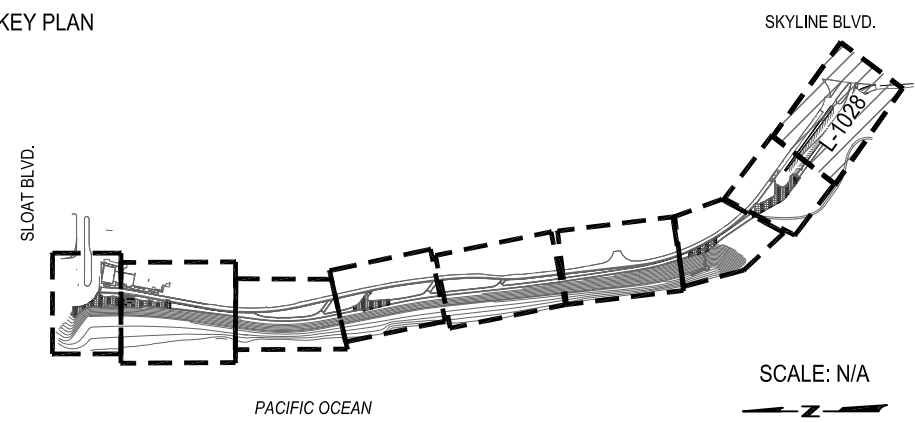
KEY PLAN



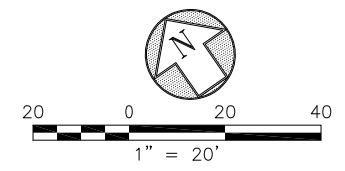
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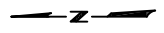
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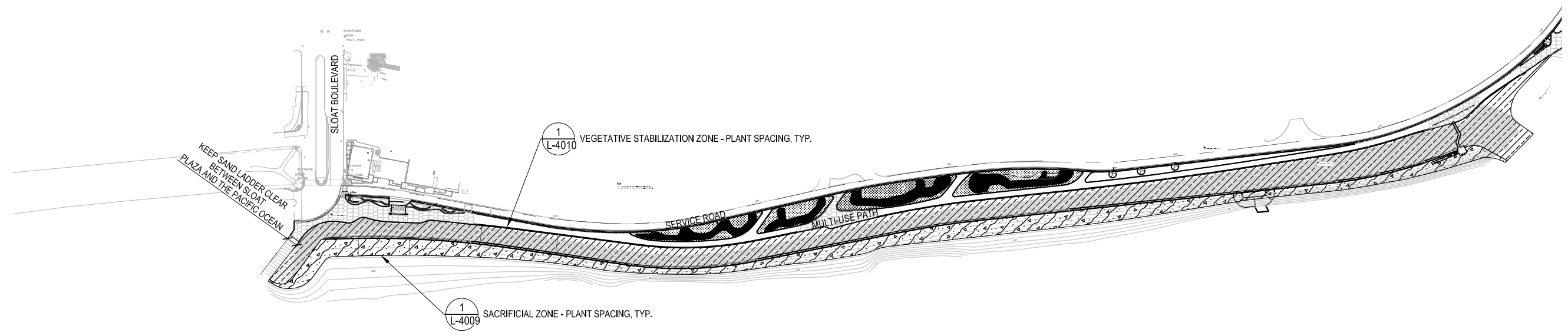
<p>San Francisco Water Power Sewer</p> <p>Services of the San Francisco Public Utilities Commission INFRASTRUCTURE DIVISION ENGINEERING MANAGEMENT BUREAU</p>	EMB Mgr. ANNA ROCHE WVE Engineering Mgr. HEATHER MANDERS WVE O&M Mgr. _____ Section Mgr. HEATHER MANDERS Designed _____ Drawn _____ Checked/Approved _____	BUREAU OF LANDSCAPE ARCHITECTURE <p>49 South Van Ness Ave., Suite 1000 San Francisco, CA 94103 Phone (628)271-2000</p>	Bureau Mgr. JENNIFER COOPER Deputy Bureau Mgr. N/A Section Mgr. ANTHONY ESTERBROOKS Proj. Engr. _____ Designed SG Drawn DA Checked by AA	95% SUBMITTAL 04/14/23 <table border="1"> <thead> <tr> <th>No.</th> <th>Date</th> <th>Revisions</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>	No.	Date	Revisions																															Project OCEAN BEACH CLIMATE CHANGE ADAPTATION PROJECT - LONG TERM IMPROVEMENTS Contract No. WW-662 Elevation Datum _____	Plan No. L-1028 Project No. 11381 Drawing Title PLANTING PLAN Drawing/File No _____ Revision No. 0 Scale: 1"=20'
	No.	Date	Revisions																																				



**LEGEND:**

SYMBOL	NOTES
	SACRIFICIAL ZONE PLANTING EXTENDS FROM WESTERN EDGE OF BURIED SEA WALL TO 16' NAVD. SEE PLANTING SCHEDULE L- 4013.
	VEGETATIVE STABILIZATION ZONE PLANTING EXTENDS FROM MULTI-USE PATH TO WESTERN EDGE OF BURIED SEA WALL. SEE PLANTING SCHEDULE L-4013.

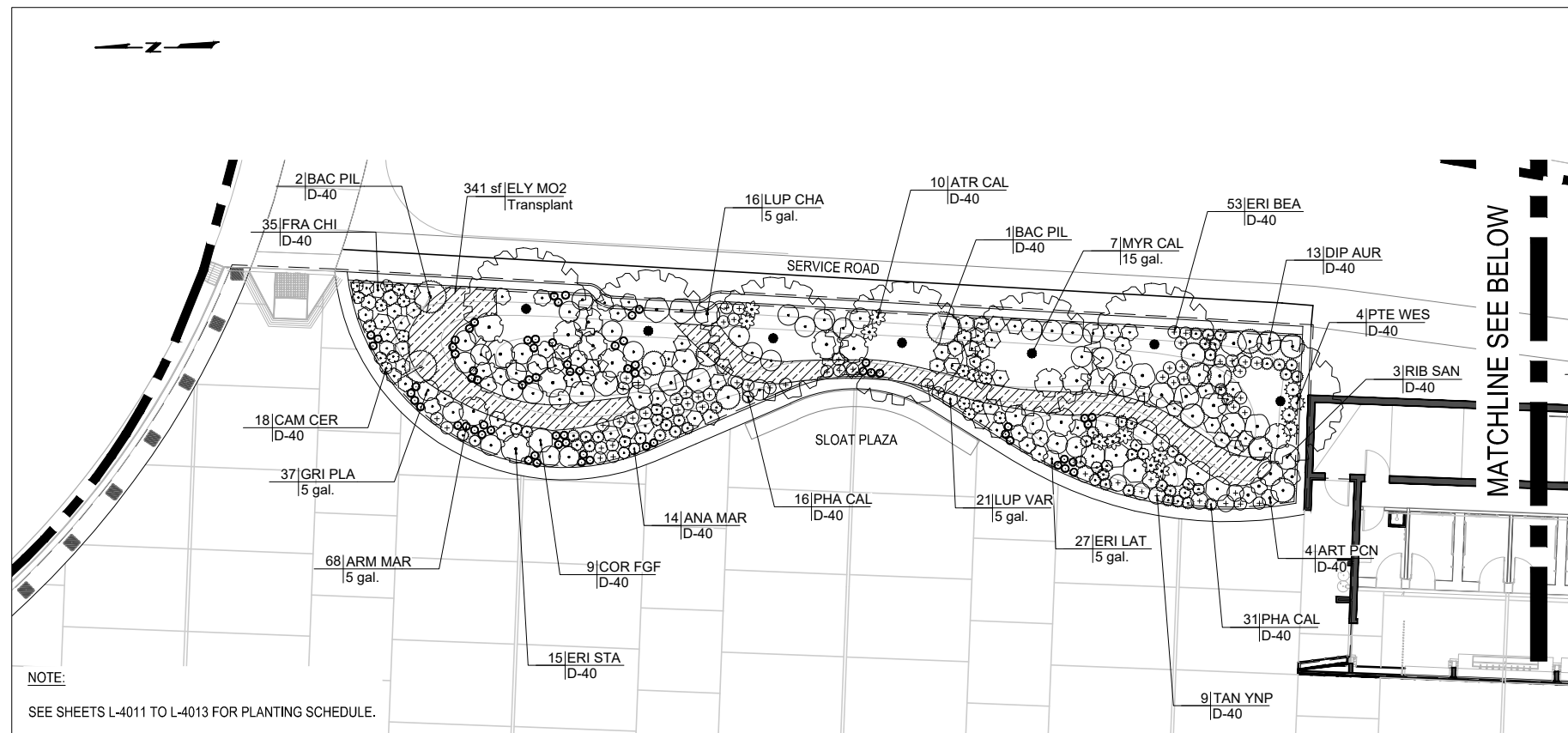
NOTE:  
DO NOT USE MULCH ON SACRIFICIAL ZONE AND VEGETATIVE STABILIZATION ZONE.



**1 VEGETATIVE STABILIZATION ZONE (VSZ) AND SACRIFICIAL ZONE (SZ)**

SCALE: 1"=150'

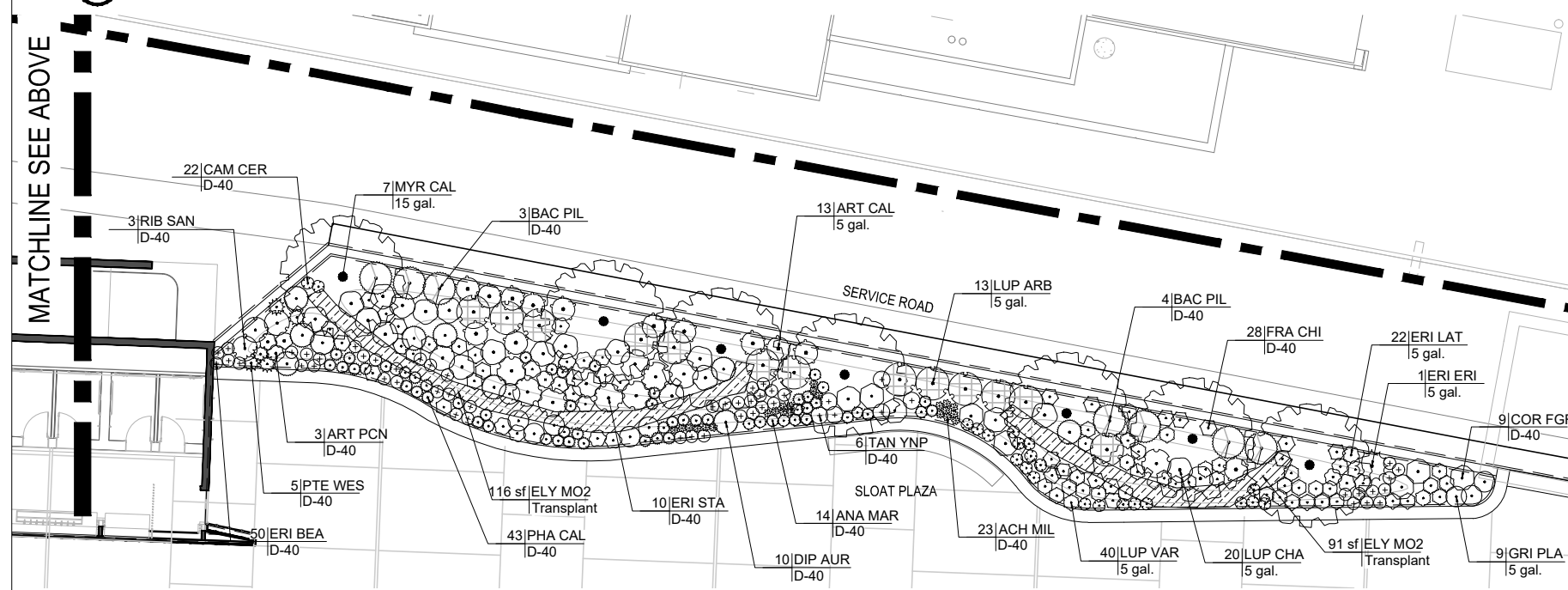
<p>San Francisco <b>Water Power Sewer</b> Services of the San Francisco Public Utilities Commission INFRASTRUCTURE DIVISION ENGINEERING MANAGEMENT BUREAU</p>	<p>EMB Mgr. ANNA ROCHE</p> <hr/> <p>WWE Engineering Mgr. HEATHER MANDERS</p> <hr/> <p>WWE O&amp;M Mgr.</p> <hr/> <p>Section Mgr. HEATHER MANDERS</p> <hr/> <p>Designed</p> <hr/> <p>Drawn</p> <hr/> <p>Checked/Approved</p>	<p>BUREAU OF LANDSCAPE ARCHITECTURE</p> <p>49 South Van Ness Ave., Suite 1000 San Francisco, CA 94103 Phone (628)271-2000</p>	<p>Bureau Mgr. JENNIFER COOPER</p> <hr/> <p>Deputy Bureau Mgr. N/A</p> <hr/> <p>Section Mgr. ANTHONY ESTERBROOKS</p> <hr/> <p>Proj. Engr.</p> <hr/> <p>Designed SG</p> <hr/> <p>Drawn DA</p> <hr/> <p>Checked by AA</p>	<p>95% SUBMITTAL 04/14/23</p> <table border="1"> <thead> <tr> <th>No.</th> <th>Date</th> <th>Revisions</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>	No.	Date	Revisions																															<p>FOR THE SOLE USE OF THE DOCUMENT RECIPIENT - DO NOT CITE, COPY, OR CIRCULATE WITHOUT THE EXPRESSED PERMISSION OF THE SFPUC.</p>	<p>Contract No. WW-662</p>	<p>Elevation Datum</p>	<p>Project OCEAN BEACH CLIMATE CHANGE ADAPTATION PROJECT - LONG TERM IMPROVEMENTS</p>	<p>Drawing Title PLANTING PLAN - SACRIFICIAL ZONE &amp; VEGETATIVE STABILIZATION ZONE</p>	<p>Project No. 11381</p>	<p>Plan No. L-4001</p>
	No.	Date	Revisions																																									
						<p>Drawing/File No</p>	<p>Revision No. 0</p>	<p>Scale: 1"=10'-0"</p>																																				
						<p>For reduced plans original scale is in inches</p>				<p>Original Sheet Size: 22"x34"</p>																																		



NOTE:  
SEE SHEETS L-4011 TO L-4013 FOR PLANTING SCHEDULE.

1 SLOAT PLAZA PLANTERS – PLANTING ENLARGEMENT

SCALE: 1"=10'



2 SLOAT PLAZA PLANTERS – PLANTING ENLARGEMENT

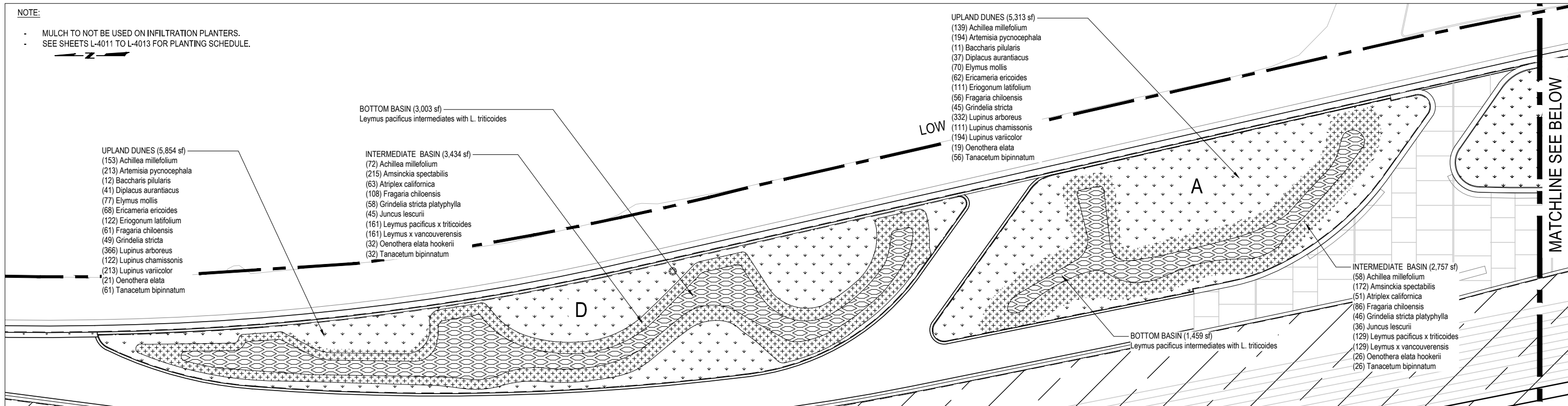
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<p>San Francisco Water Power Sewer Services of the San Francisco Public Utilities Commission INFRASTRUCTURE DIVISION ENGINEERING MANAGEMENT BUREAU</p>	<p>EMB Mgr. ANNA ROCHE</p> <p>WWVE Engineering Mgr. HEATHER MANDERS</p> <p>WWVE O&amp;M Mgr.</p>	<p>BUREAU OF LANDSCAPE ARCHITECTURE</p> <p>San Francisco PUBLIC WORKS</p> <p>49 South Van Ness Ave., Suite 1000 San Francisco, CA 94103 Phone (628)271-2000</p>	<p>Bureau Mgr. JENNIFER COOPER</p> <p>Deputy Bureau Mgr. N/A</p> <p>Section Mgr. ANTHONY ESTERBROOKS</p>	<p>95% SUBMITTAL 04/14/23</p> <table border="1"> <thead> <tr> <th>No.</th> <th>Date</th> <th>Revisions</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>	No.	Date	Revisions																												<p>FOR THE SOLE USE OF THE DOCUMENT RECIPIENT - DO NOT CITE, COPY, OR CIRCULATE WITHOUT THE EXPRESSED PERMISSION OF THE SFPUC.</p>	<p>Project OCEAN BEACH CLIMATE CHANGE ADAPTATION PROJECT - LONG TERM IMPROVEMENTS</p> <p>Plan No. L-4002</p>
	No.		Date	Revisions																																
<p>Section Mgr. HEATHER MANDERS</p> <p>Designed</p> <p>Drawn</p> <p>Checked/Approved</p>	<p>Proj. Engr.</p> <p>Designed SG</p> <p>Drawn DA</p> <p>Checked by AA</p>	<p>Contract No. WW-662</p> <p>Elevation Datum</p>	<p>Drawing Title PLANTING PLAN - SLOAT PLAZA</p> <p>Project No. 11381</p> <p>Drawing/File No</p> <p>Revision No. 0</p> <p>Scale: 1"=10'-0"</p>	<p>Scale: 1"=10'</p>	<p>For reduced plans original scale is in inches</p>	<p>Original Sheet Size: 22"x34"</p>																														



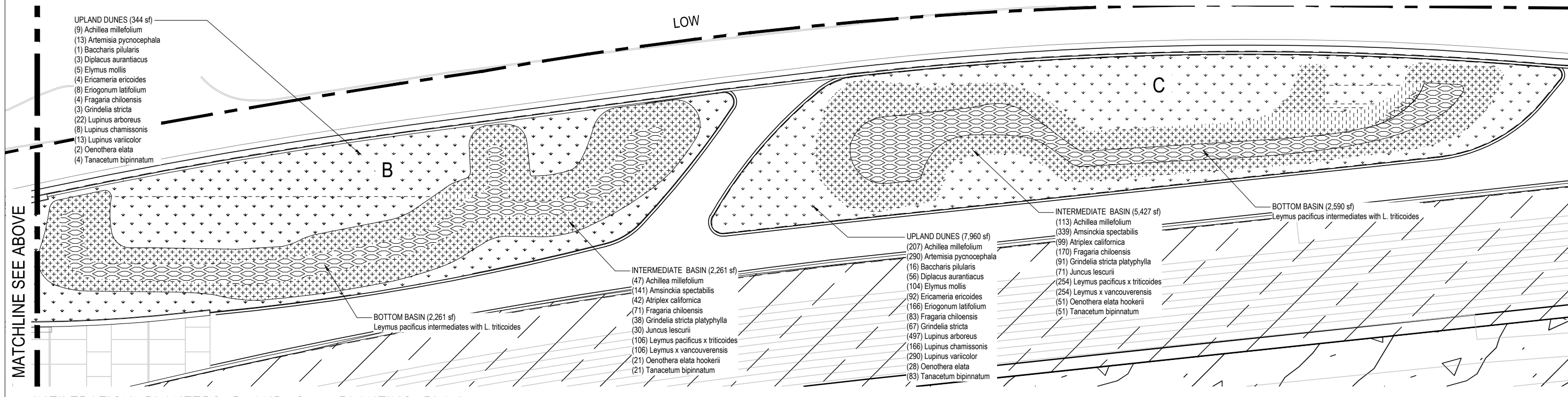
**NOTE:**

- MULCH TO NOT BE USED ON INFILTRATION PLANTERS.
- SEE SHEETS L-4011 TO L-4013 FOR PLANTING SCHEDULE.



**1 INFILTRATION PLANTERS D AND A – PLANTING PLAN**

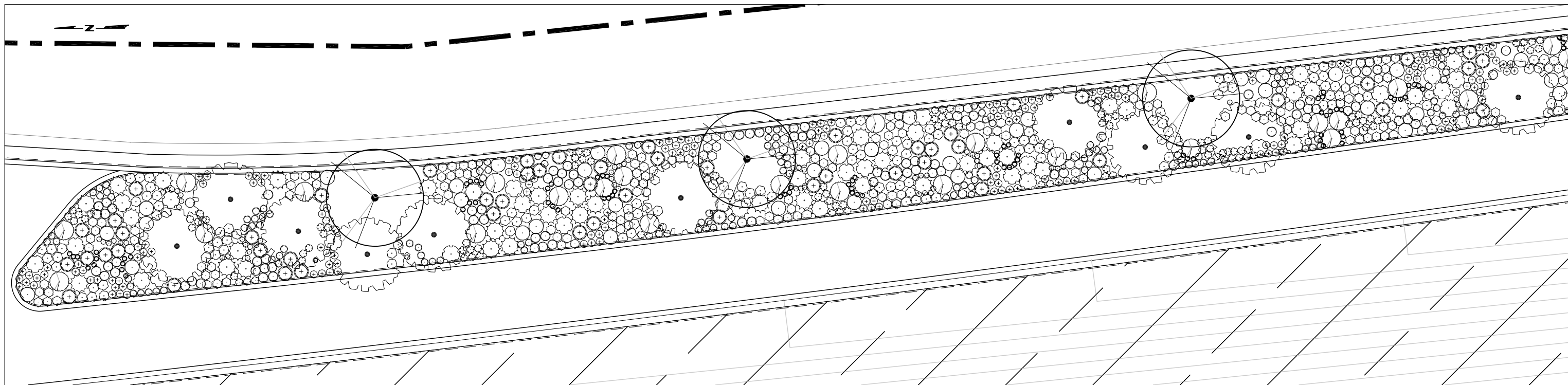
SCALE: 1"=20'



**2 INFILTRATION PLANTERS B AND C – PLANTING PLAN**

SCALE: 1"=20'

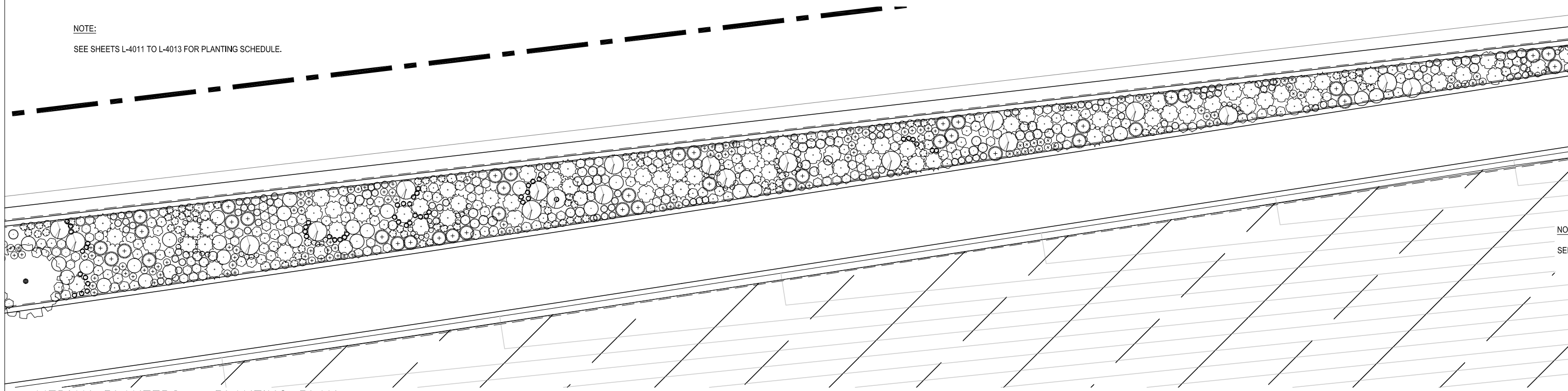
<p>San Francisco Water Power Sewer Services of the San Francisco Public Utilities Commission INFRASTRUCTURE DIVISION ENGINEERING MANAGEMENT BUREAU</p>	EMB Mgr. ANNA ROCHE WW Engineering Mgr. HEATHER MANDERS WW O&M Mgr. _____ Section Mgr. HEATHER MANDERS Designed _____ Drawn _____ Checked/Approved _____	BUREAU OF LANDSCAPE ARCHITECTURE <p>San Francisco PUBLIC WORKS</p> 49 South Van Ness Ave., Suite 1000 San Francisco, CA 94103 Phone (628)271-2000	Bureau Mgr. JENNIFER COOPER Deputy Bureau Mgr. N/A Section Mgr. ANTHONY ESTERBROOKS Proj. Engr. _____ Designed SG Drawn DA Checked by AA	95% SUBMITTAL 04/14/23 <table border="1"> <thead> <tr> <th>No.</th> <th>Date</th> <th>Revisions</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>	No.	Date	Revisions																												Project OCEAN BEACH CLIMATE CHANGE ADAPTATION PROJECT - LONG TERM IMPROVEMENTS Contract No. WW-662 Elevation Datum _____	Plan No. L-4003 Project No. 11381 Drawing Title PLANTING PLAN - INFILTRATION BASINS Drawing/File No _____ Revision No. 0 Scale: 1"=20'-0"
	No.	Date	Revisions																																	
Drawing name: V:\11381_Ocean_Beach_Long_Term_Improvement_Project_10015554\2_Design\Working_Drawings\ALA\Sheets\11381-L-4-1_PLNT_ENLG_PLAN.dwg Plot Date: _____ Plotted on: Apr 09, 2023 - 10:28pm			For reduced plans original scale is in inches _____		Original Sheet Size: 22"x34"																															



1 MEDIAN PLANTERS - PLANTING PLAN



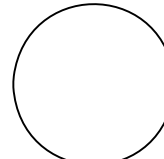
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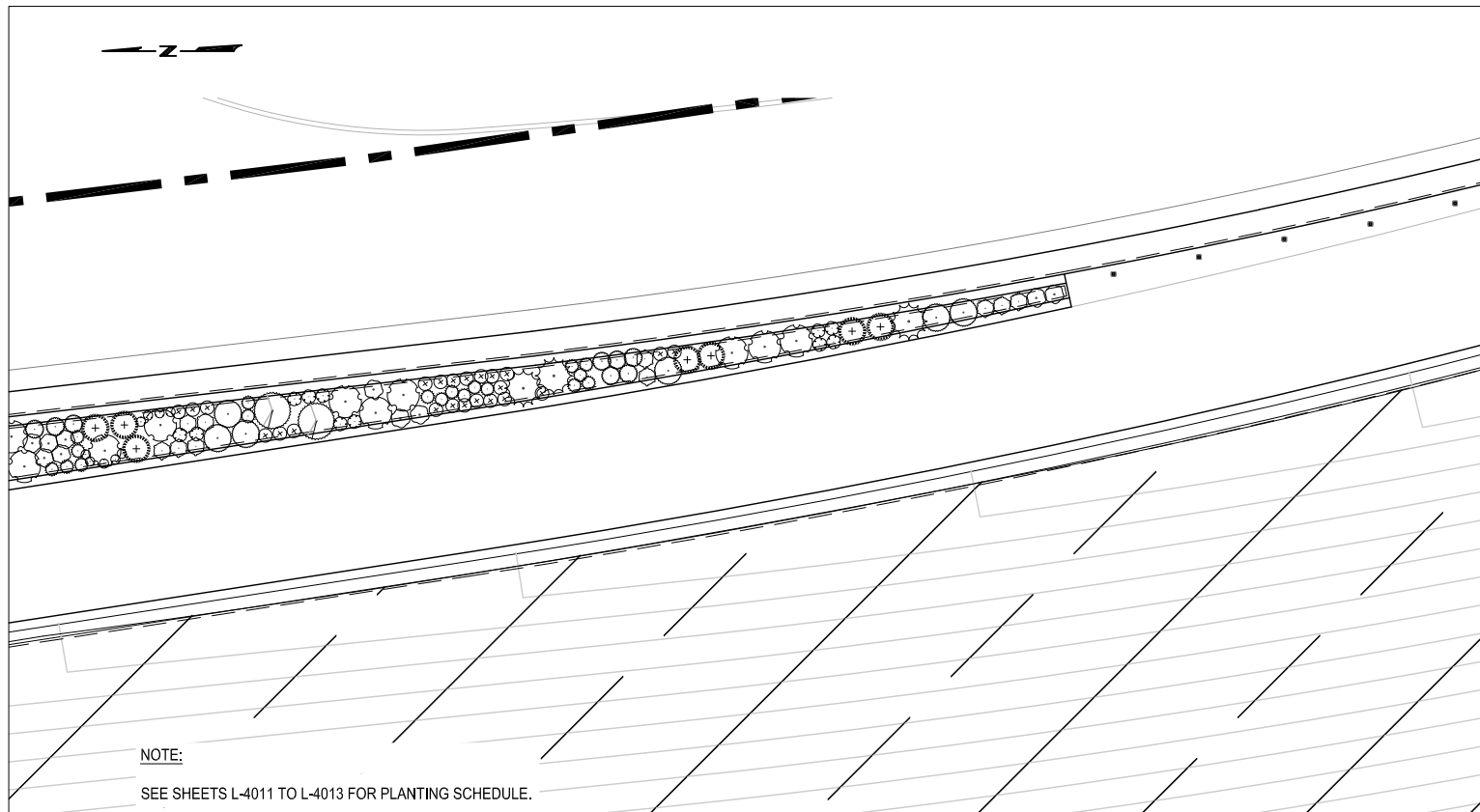
NOTE:  
SEE SHEETS L-4011 TO L-4013 FOR PLANTING SCHEDULE.



2 MEDIAN PLANTERS - PLANTING PLAN

SCALE: 1"=10'



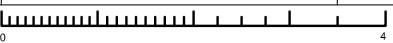
 <p>San Francisco <b>Water Power Sewer</b> Services of the San Francisco Public Utilities Commission INFRASTRUCTURE DIVISION ENGINEERING MANAGEMENT BUREAU</p>	EMB Mgr. ANNA ROCHE <hr/> WVE Engineering Mgr. HEATHER MANDERS <hr/> WVE O&M Mgr. <hr/>	<p>BUREAU OF LANDSCAPE ARCHITECTURE</p>  <p>49 South Van Ness Ave., Suite 1000 San Francisco, CA 94103 Phone (628)271-2000</p>	Bureau Mgr. JENNIFER COOPER <hr/> Deputy Bureau Mgr. N/A <hr/> Section Mgr. ANTHONY ESTERBROOKS <hr/>	95% SUBMITTAL 04/14/23 <table border="1"> <thead> <tr> <th>No.</th> <th>Date</th> <th>Revisions</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>	No.	Date	Revisions																												Project OCEAN BEACH CLIMATE CHANGE ADAPTATION PROJECT - LONG TERM IMPROVEMENTS <hr/> Contract No. WW-662 <hr/> Elevation Datum	Plan No. <b>L-4004</b> <hr/> Drawing Title <b>PLANTING PLAN -          MEDIAN</b> <hr/> Drawing/File No.	Project No. 11381 <hr/> Revision No. 0 <hr/> Scale: 1"=10'-0"
	No.		Date	Revisions																																	
Section Mgr. HEATHER MANDERS <hr/> Designed <hr/> Drawn <hr/> Checked/Approved	Proj. Engr. <hr/> Designed SG <hr/> Drawn DA <hr/> Checked by AA		Project OCEAN BEACH CLIMATE CHANGE ADAPTATION PROJECT - LONG TERM IMPROVEMENTS <hr/> Contract No. WW-662 <hr/> Elevation Datum	Drawing Title <b>PLANTING PLAN -          MEDIAN</b> <hr/> Drawing/File No.	Project No. 11381 <hr/> Revision No. 0 <hr/> Scale: 1"=10'-0"																																

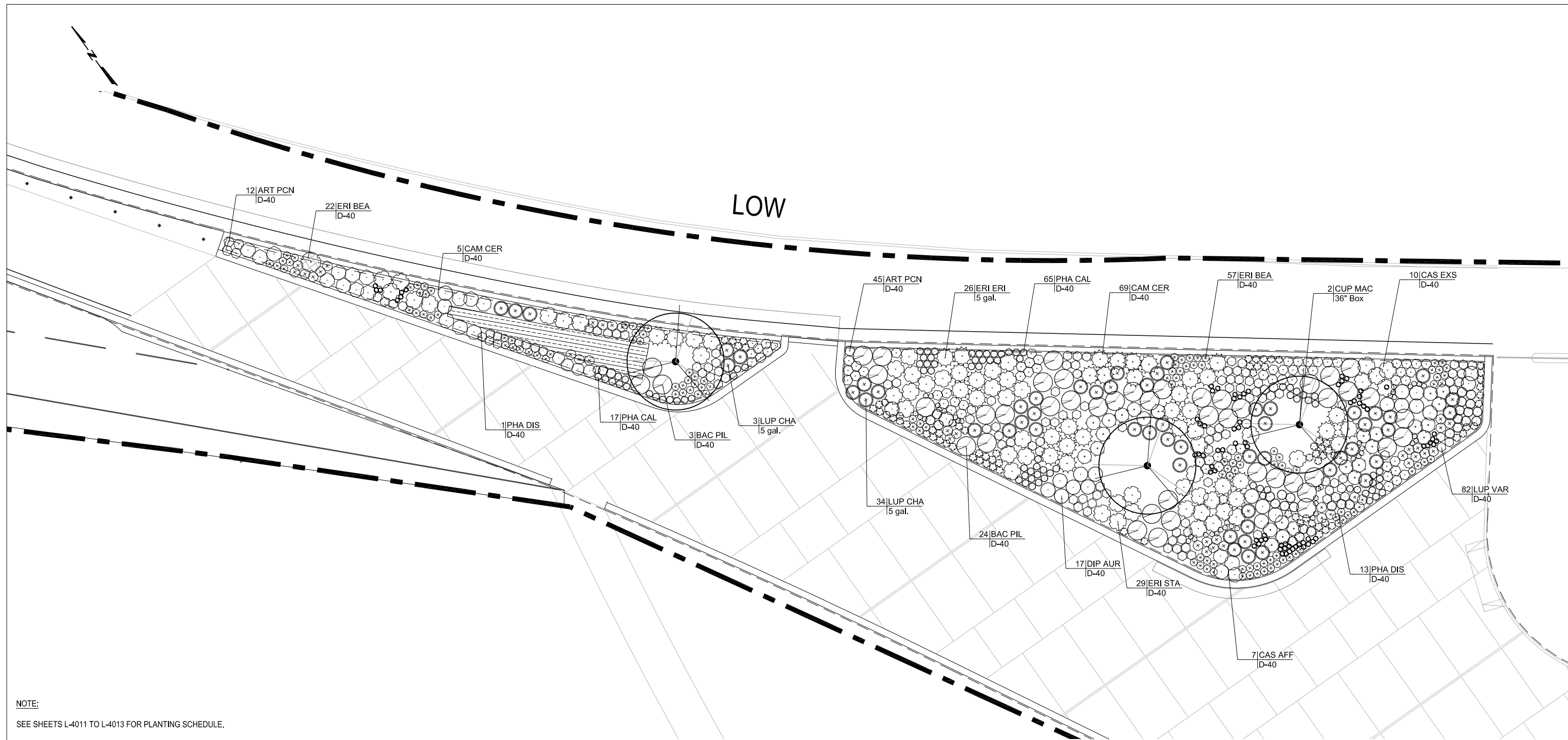


NOTE:  
SEE SHEETS L-4011 TO L-4013 FOR PLANTING SCHEDULE.

1 MEDIAN PLANTERS – PLANTING PLAN

SCALE: 1"=10'

 <p>San Francisco <b>Water Power Sewer</b> Services of the San Francisco Public Utilities Commission INFRASTRUCTURE DIVISION ENGINEERING MANAGEMENT BUREAU</p>	EMB Mgr. ANNA ROCHE <hr/> WVE Engineering Mgr. HEATHER MANDERS <hr/> WVE O&M Mgr. <hr/> Section Mgr. HEATHER MANDERS <hr/> Designed <hr/> Drawn <hr/> Checked/Approved	BUREAU OF LANDSCAPE ARCHITECTURE  <p>49 South Van Ness Ave., Suite 1000 San Francisco, CA 94103 Phone (628)271-2000</p>	Bureau Mgr. JENNIFER COOPER <hr/> Deputy Bureau Mgr. N/A <hr/> Section Mgr. ANTHONY ESTERBROOKS <hr/> Proj. Engr. <hr/> Designed SG <hr/> Drawn DA <hr/> Checked by AA	95% SUBMITTAL 04/14/23 <table border="1"> <thead> <tr> <th>No.</th> <th>Date</th> <th>Revisions</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>	No.	Date	Revisions																															FOR THE SOLE USE OF THE DOCUMENT RECIPIENT - DO NOT CITE, COPY, OR CIRCULATE WITHOUT THE EXPRESSED PERMISSION OF THE SFPUC.	Contract No. <b>WW-662</b>	Elevation Datum	Project <b>OCEAN BEACH CLIMATE CHANGE ADAPTATION PROJECT - LONG TERM IMPROVEMENTS</b>	Drawing Title <b>PLANTING PLAN - MEDIAN</b>	Drawing/File No	Revision No. 0	Plan No. <b>L-4005</b>	Project No. 11381	Scale: 1"=10'-0"
	No.	Date	Revisions																																												
Drawing name: V:\1138L_Ocean_Beach_Long_Term_Improvement_Project_10015554\2_Design\Working_Drawings\ALAI\Sheets\1138L_L-4.1_PLNT_ENLG_PLAN.dwg Plotted on: Apr 17, 2023 - 10:25am																																															
For reduced plans original scale is in inches  Original Sheet Size: 22"x34"																																															

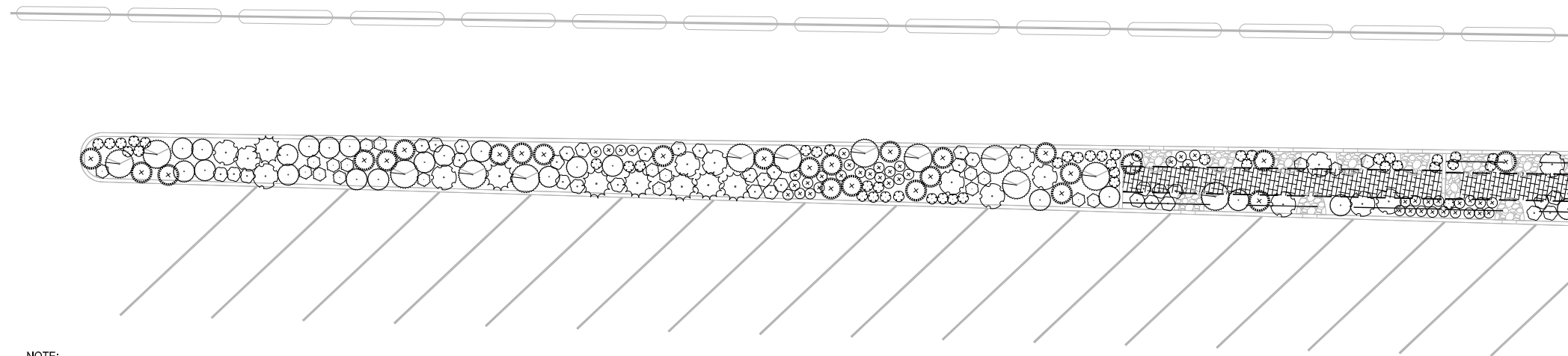


NOTE:  
SEE SHEETS L-4011 TO L-4013 FOR PLANTING SCHEDULE.

1 MEDIAN PLANTERS – PLANTING PLAN

SCALE: 1"=10'

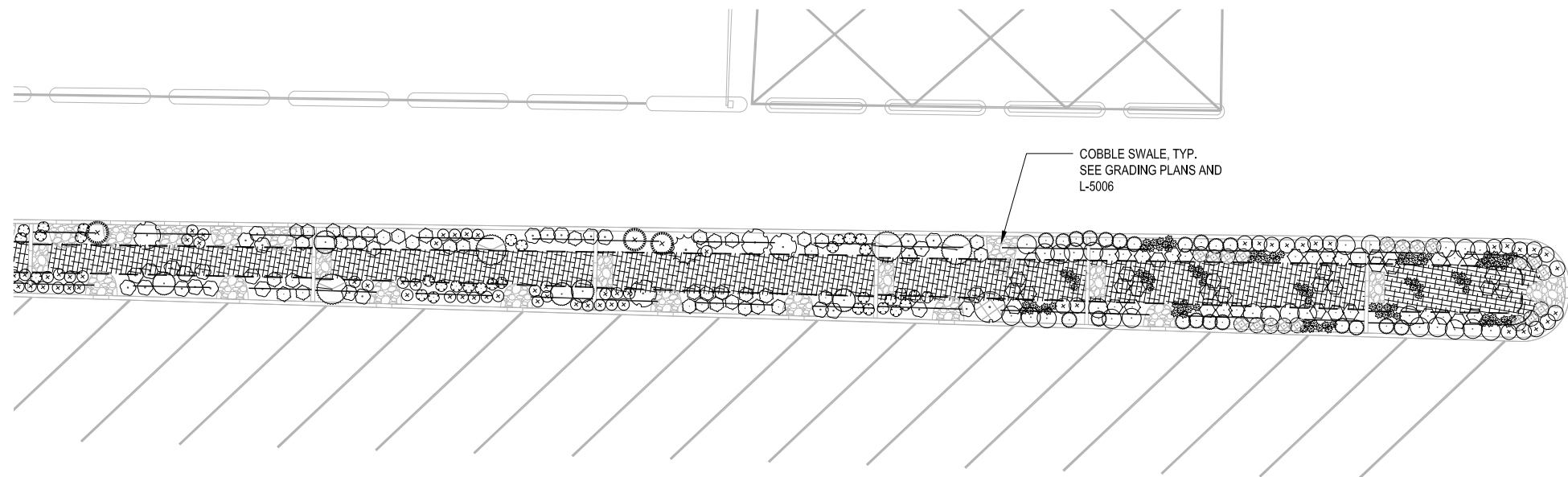
<p>San Francisco Water Power Sewer</p> <p>Services of the San Francisco Public Utilities Commission INFRASTRUCTURE DIVISION ENGINEERING MANAGEMENT BUREAU</p>	EMB Mgr. ANNA ROCHE <hr/> WVE Engineering Mgr. HEATHER MANDERS <hr/> WVE O&M Mgr. _____ <hr/> Section Mgr. HEATHER MANDERS <hr/> Designed _____ <hr/> Drawn _____ <hr/> Checked/Approved _____ <hr/>	BUREAU OF LANDSCAPE ARCHITECTURE <p>SAN FRANCISCO PUBLIC WORKS</p> <p>49 South Van Ness Ave., Suite 1000 San Francisco, CA 94103 Phone (628)271-2000</p>	Bureau Mgr. JENNIFER COOPER <hr/> Deputy Bureau Mgr. N/A <hr/> Section Mgr. ANTHONY ESTERBROOKS <hr/> Proj. Engr. _____ <hr/> Designed SG <hr/> Drawn DA <hr/> Checked by AA <hr/>	95% SUBMITTAL 04/14/23 <table border="1"> <thead> <tr> <th>No.</th> <th>Date</th> <th>Revisions</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>	No.	Date	Revisions																															FOR THE SOLE USE OF THE DOCUMENT RECIPIENT - DO NOT CITE, COPY, OR CIRCULATE WITHOUT THE EXPRESSED PERMISSION OF THE SFPUC.	Project OCEAN BEACH CLIMATE CHANGE ADAPTATION PROJECT - LONG TERM IMPROVEMENTS	Plan No. L-4006
	No.	Date	Revisions																																					
Contract No. WW-662	Drawing Title PLANTING PLAN - MEDIAN	Project No. 11381																																						
Elevation Datum	Drawing/File No	Revision No. 0	Scale: 1"=10'-0"																																					



NOTE:  
SEE SHEETS L-4011 TO L-4013 FOR PLANTING SCHEDULE.

1 PARKING LOT PLANTERS



SCALE: 1"=10'



COBBLE SWALE, TYP.  
SEE GRADING PLANS AND  
L-5006

2 PARKING LOT PLANTERS

SCALE: 1"=10'

 <p>San Francisco <b>Water Power Sewer</b></p> <p>Services of the San Francisco Public Utilities Commission INFRASTRUCTURE DIVISION ENGINEERING MANAGEMENT BUREAU</p>	EMB Mgr. ANNA ROCHE <hr/> WWV Engineering Mgr. HEATHER MANDERS <hr/> WWV O&M Mgr. _____ <hr/> Section Mgr. HEATHER MANDERS <hr/> Designed _____ <hr/> Drawn _____ <hr/> Checked/Approved _____	BUREAU OF LANDSCAPE ARCHITECTURE  <p>SAN FRANCISCO <b>PUBLIC WORKS</b></p> <p>49 South Van Ness Ave., Suite 1000 San Francisco, CA 94103 Phone (628)271-2000</p>	Bureau Mgr. JENNIFER COOPER <hr/> Deputy Bureau Mgr. N/A <hr/> Section Mgr. ANTHONY ESTERBROOKS <hr/> Proj. Engr. _____ <hr/> Designed SG <hr/> Drawn DA <hr/> Checked by AA	95% SUBMITTAL 04/14/23 <table border="1"> <thead> <tr> <th>No.</th> <th>Date</th> <th>Revisions</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>	No.	Date	Revisions																															FOR THE SOLE USE OF THE DOCUMENT RECIPIENT - DO NOT CITE, COPY, OR CIRCULATE WITHOUT THE EXPRESSED PERMISSION OF THE SFPUC.	Project OCEAN BEACH CLIMATE CHANGE ADAPTATION PROJECT - LONG TERM IMPROVEMENTS	Plan No. <b>L-4007</b>
	No.	Date	Revisions																																					
Contract No. <b>WW-662</b>	Drawing Title <b>PLANTING PLAN - PARKING LOT</b>	Project No. 11381																																						
Elevation Datum	Drawing/File No	Revision No. 0	Scale: 1"=10'-0"																																					



1 PARKING LOT PLANTERS

SCALE: 1"=10'

San Francisco  
**Water  
Power  
Sewer**  
Services of the San Francisco  
Public Utilities Commission  
INFRASTRUCTURE DIVISION  
ENGINEERING MANAGEMENT BUREAU

EMB Mgr. ANNA ROCHE  
WWE Engineering Mgr. HEATHER MANDERS  
WWE O&M Mgr.  
Section Mgr. HEATHER MANDERS  
Designed  
Drawn  
Checked/Approved

BUREAU OF LANDSCAPE ARCHITECTURE

Bureau Mgr. JENNIFER COOPER  
Deputy Bureau Mgr. N/A  
Section Mgr. ANTHONY ESTERBROOKS  
Proj. Engr.  
Designed SG  
Drawn DA  
Checked by AA

49 South Van Ness Ave., Suite 1000  
San Francisco, CA 94103  
Phone (628)271-2000





95% SUBMITTAL 04/14/23

No.	Date	Revisions

FOR THE SOLE USE OF THE DOCUMENT RECIPIENT - DO NOT CITE, COPY, OR CIRCULATE WITHOUT THE EXPRESSED PERMISSION OF THE SFPUC.	Project OCEAN BEACH CLIMATE CHANGE ADAPTATION PROJECT - LONG TERM IMPROVEMENTS	Plan No. L-4008
Contract No. WW-662	Drawing Title PLANTING PLAN - PARKING LOT	Project No. 11381
Elevation Datum	Drawing/File No.	Revision No. 0 Scale: 1"=10'-0"

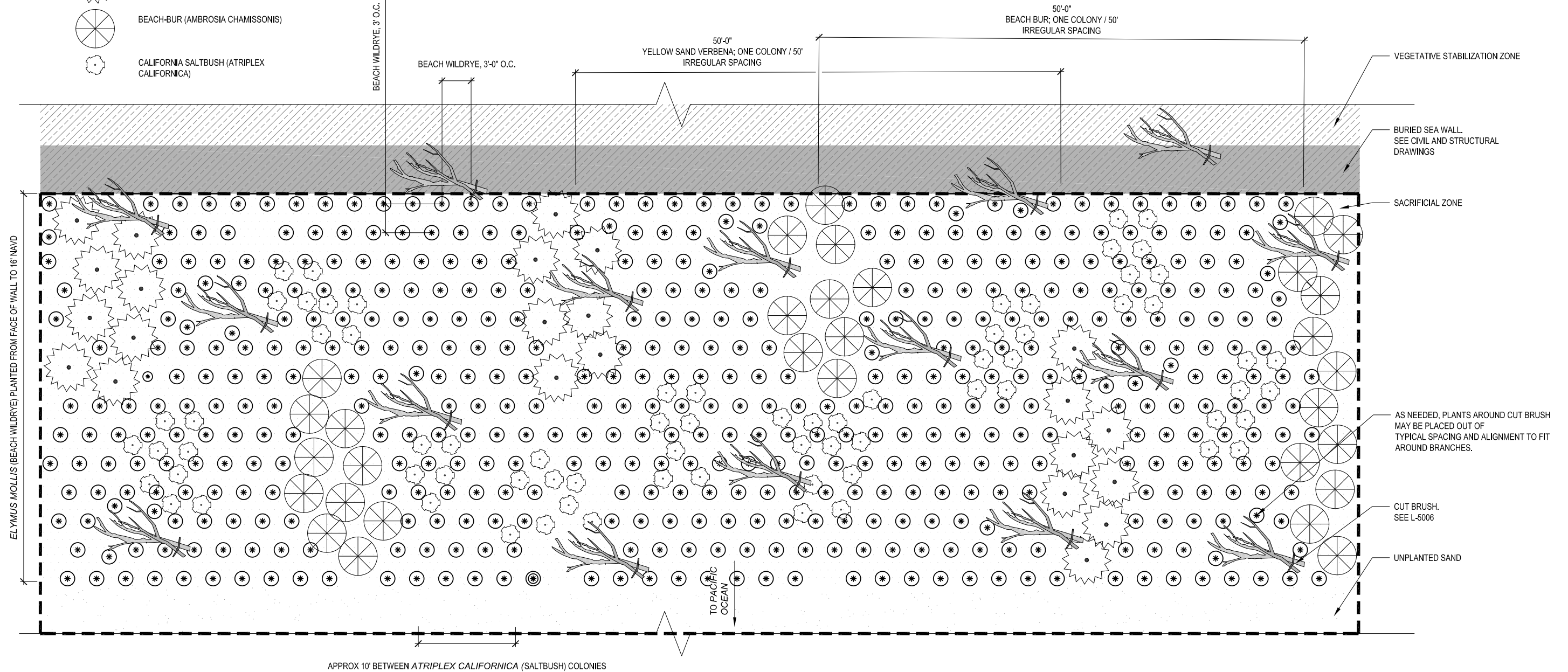
**LEGEND**

**SYMBOL**

-  BEACH WILDRYE (LEYMUS MOLLIS)
-  YELLOW SAND-VERBENA (ABRONIA LATIFOLIA)
-  BEACH-BUR (AMBROSIA CHAMISSONIS)
-  CALIFORNIA SALTBUSH (ATRIPLEX CALIFORNICA)

**NOTES:**



1. APPLY ALTERNATING PATTERN OF ABRONIA AND AMBROSIA ENTIRE SACRIFICIAL PLANTING ZONE.
2. A COLONY IS DEFINED AS A GROUP OF PLANTS OF THE SAME SPECIES.
3. SEE PLANTING SCHEDULE L-4014 FOR QUANTITIES AND ADDITIONAL SPACING INFORMATION.
4. CUT BRUSH TO BE INSTALLED PRIOR TO PLANTING.
5. NO PLANTS ARE TO BE PLANTED ON TOP OF CUT BRUSH.



**PLAN**





**1 SACRIFICIAL ZONE (SZ) – PLANT SPACING**

SCALE: 3/16"=1'-0"

 <p>San Francisco <b>Water Power Sewer</b> Services of the San Francisco Public Utilities Commission INFRASTRUCTURE DIVISION ENGINEERING MANAGEMENT BUREAU</p>	EMB Mgr. ANNA ROCHE WWV Engineering Mgr. HEATHER MANDERS WWV O&M Mgr. _____ Section Mgr. HEATHER MANDERS Designed _____ Drawn _____ Checked/Approved _____	BUREAU OF LANDSCAPE ARCHITECTURE  <p>49 South Van Ness Ave., Suite 1000 San Francisco, CA 94103 Phone (628)271-2000</p>	Bureau Mgr. JENNIFER COOPER Deputy Bureau Mgr. N/A Section Mgr. ANTHONY ESTERBROOKS Proj. Engr. _____ Designed SG Drawn DA Checked by AA	95% SUBMITTAL 04/14/23 <table border="1"> <thead> <tr> <th>No.</th> <th>Date</th> <th>Revisions</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>	No.	Date	Revisions																												Project OCEAN BEACH CLIMATE CHANGE ADAPTATION PROJECT - LONG TERM IMPROVEMENTS Contract No. WW-662 Elevation Datum _____	Plan No. L-4009 Project No. 11381 Drawing Title PLANTING PLAN - PARKING LOT Drawing/File No _____ Revision No. 0 Scale: 1"=10'-0"
	No.	Date	Revisions																																	

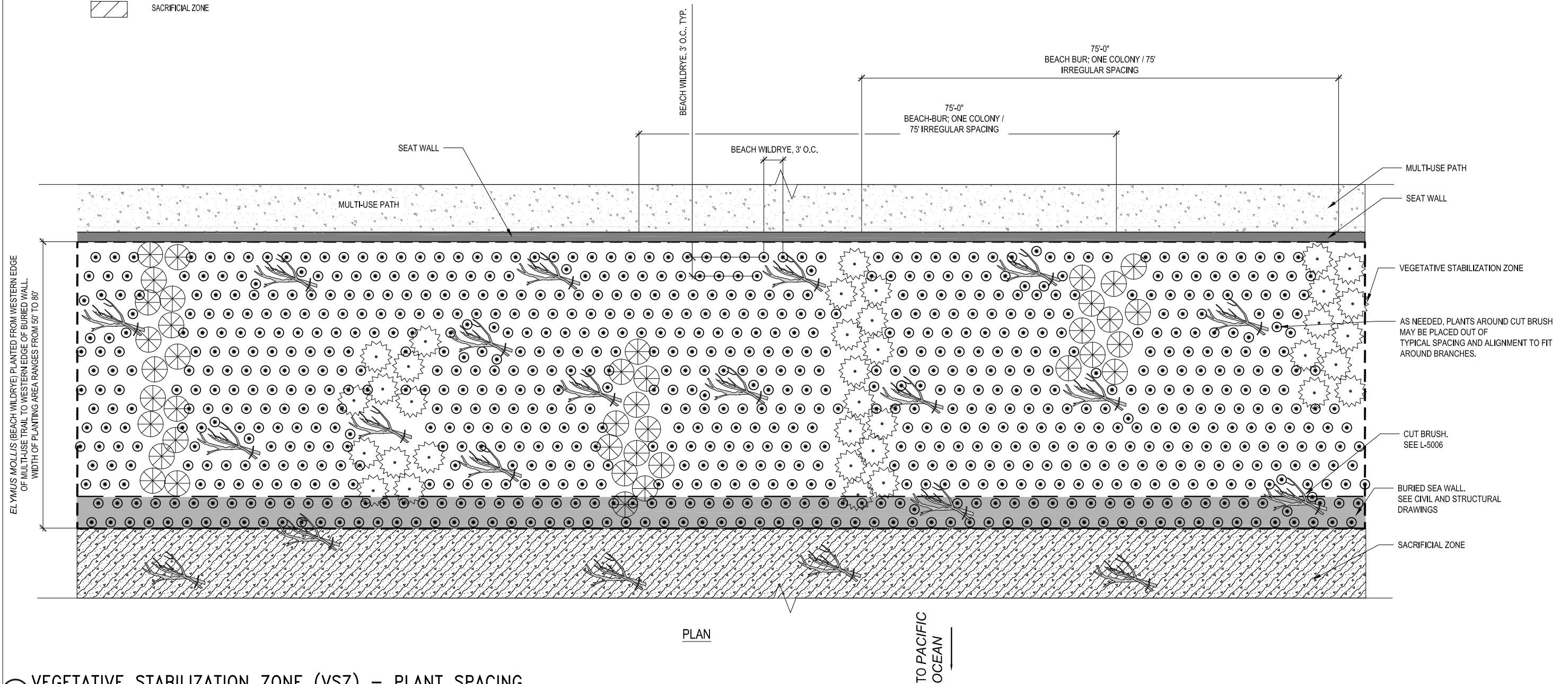
**LEGEND**

**SYMBOL**

-  BEACH WILDRYE (LEYMUS MOLLIS)
-  YELLOW SAND-VERBENA (ABRONIA LATIFOLIA)
-  BEACH-BUR (AMBROSIA CHAMISSONIS)
-  SACRIFICIAL ZONE

**NOTES:**

1. APPLY ALTERNATING PATTERN OF ABRONIA AND AMBROSIA TO FULL LENGTH OF VEGETATIVE STABILIZATION ZONE.
2. ONE COLONY OF ABRONIA LATIFOLIA OR AMBROSIA CHAMISSONIS IS 12 PLANTS MINIMUM TO 20 PLANTS MAXIMUM.
3. A COLONY IS DEFINED AS A GROUP OF PLANTS OF THE SAME SPECIES.
4. SEE PLANTING SCHEDULE L-4014 FOR QUANTITIES AND ADDITIONAL SPACING INFORMATION.
5. CUT BRUSH TO BE INSTALLED PRIOR TO PLANTING.
6. NO PLANTS ARE TO BE PLANTED ON TOP OF CUT BRUSH.
7. PLANTS MAY BE PLANTED ON ABOVE BURIED SEA WALL.



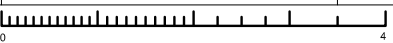


PLAN

TO PACIFIC OCEAN

























**1 VEGETATIVE STABILIZATION ZONE (VSZ) – PLANT SPACING**



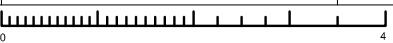
SCALE: 1/8"=1'-0"

 Services of the San Francisco Public Utilities Commission INFRASTRUCTURE DIVISION ENGINEERING MANAGEMENT BUREAU	EMB Mgr. ANNA ROCHE <hr/> WWV Engineering Mgr. HEATHER MANDERS <hr/> WWV O&M Mgr. _____ <hr/> Section Mgr. HEATHER MANDERS <hr/> Designed _____ <hr/> Drawn _____ <hr/> Checked/Approved _____	BUREAU OF LANDSCAPE ARCHITECTURE  49 South Van Ness Ave., Suite 1000 San Francisco, CA 94103 Phone (628)271-2000	Bureau Mgr. JENNIFER COOPER <hr/> Deputy Bureau Mgr. N/A <hr/> Section Mgr. ANTHONY ESTERBROOKS <hr/> Proj. Engr. _____ <hr/> Designed SG <hr/> Drawn DA <hr/> Checked by AA	95% SUBMITTAL 04/14/23 <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>No.</th> <th>Date</th> <th>Revisions</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>	No.	Date	Revisions																															FOR THE SOLE USE OF THE DOCUMENT RECIPIENT - DO NOT CITE, COPY, OR CIRCULATE WITHOUT THE EXPRESSED PERMISSION OF THE SFPUC. <hr/> Contract No. WW-662 <hr/> Elevation Datum _____	Project OCEAN BEACH CLIMATE CHANGE ADAPTATION PROJECT - LONG TERM IMPROVEMENTS <hr/> Drawing Title PLANTING PLAN - PARKING LOT <hr/> Drawing/File No _____ <hr/> Revision No. 0 <hr/> Scale: 1"=10'-0"	Plan No. L-4010 <hr/> Project No. 11381 <hr/> Scale: 1"=10'-0"
	No.	Date	Revisions																																					
Drawing name: V:\1138L_Ocean_Beach_Long_Term_Improvement_Project_10015554\2_Design\Working_Drawings\ALA\Sheets\1138L_L-4.1_PLNT_ENLG_PLAN.dwg Plotted on: Apr 17, 2023 - 10:43am Plot Date:																																								
For reduced plans original scale is in inches 																																								
Original Sheet Size: 22"x34"																																								



**PLANT SCHEDULE**

TREES	CODE	BOTANICAL NAME	COMMON NAME	SIZE		QTY	INFILTRATION BASIN	MEDIAN1	MEDIAN2	PARKING	SLOAT PLAZA	VSZ AND SZ	REMARKS
			EXISTING TREE										
	CUP MAC	CUPRESSUS MACROCARPA	MONTEREY CYPRESS	36" BOX		6		3	3				
SHRUBS	CODE	BOTANICAL NAME	COMMON NAME	SIZE	SPACING	QTY	INFILTRATION BASIN	MEDIAN1	MEDIAN2	PARKING	SLOAT PLAZA	VSZ AND SZ	REMARKS
	ACH MIL	ACHILLEA MILLEFOLIUM	COMMON YARROW	D-40	12" o.c.	322				299	23		
	ANA MAR	ANAPHALIS MARGARITACEA	PEARLY EVERLASTING	D-40	18" o.c.	28					28		
	ARM MAR	ARMERIA MARITIMA	SEA THRIFT	D-40	12" o.c.	79			11		68		
	ART CAL	ARTEMISIA CALIFORNICA	CALIFORNIA SAGEBRUSH	D-40	36" o.c.	39			26		13		
	ART PCN	ARTEMISIA PYCNOCEPHALA	BEACH SAGEWORT	D-40	24" o.c.	451		216	72	156	7		
	ATR CAL	ATRIPLEX CALIFORNICA	CALIFORNIA SALT BUSH	D-40	24" o.c.	49				39	10		
	BAC PIL	BACCHARIS PILULARIS	COYOTE BRUSH	D-40	48" o.c.	141		42	46	43	10		
	CAM CER	CAMISSONIOPSIS CHEIRANTHIFOLIA	BEACH EVENING PRIMROSE	D-40	18" o.c.	661		188	76	357	40		
	CAS AFF	CASTILLEJA AFFINIS	COAST INDIAN PAINTBRUSH	D-40	12" o.c.	136		38	44	54			
	CAS EXS	CASTILLEJA EXSERTA	PURPLE OWL'S CLOVER	D-40	12" o.c.	138		49	63	26			
	COR FGF	CORETHROGYNE FILAGINIFOLIA	CALIFONIA ASTER	D-40	36" o.c.	38			20		18		
	DIP AUR	DIPLOCUS AURANTIACUS	STICKY MONKEYFLOWER	D-40	36" o.c.	236		67	23	123	23		
	ERI ERI	ERICAMERIA ERICOIDES	CALIFORNIA GOLDENBUSH	5 GAL.	48" o.c.	188		57	35	95	1		
	ERI BEA	ERIGERON GLAUCUS	SEASIDE DAISY	D-40	18" o.c.	613		222	124	164	103		
	ERI LAT	ERIOGONUM LATIFOLIUM	COAST BUCKWHEAT	D-40	24" o.c.	93			32	12	49		
	ERI STA	ERIOPHYLLUM STAECHADIFOLIUM	LIZARD-TAIL	D-40	42" o.c.	212		58	53	76	25		
	FRA CHI	FRAGARIA CHILOENSIS	BEACH STRAWBERRY	D-40	24" o.c.	156				93	63		
	GRI PLA	GRINDELIA STRICTA PLATYPHYLLA	SPREADING GRINDELIA	D-40	30" o.c.	124			4	74	46		
	LUP ARB	LUPINUS ARBOREUS	YELLOW TREE LUPINE	5 GAL.	48" o.c.	36			1	22	13		
	LUP CHA	LUPINUS CHAMISSONIS	DUNE LUPINE	5 GAL.	36" o.c.	285		81	55	113	36		
	LUP VAR	LUPINUS VARIICOLOR	LINDLEY'S VARIED LUPINE	D-40	24" o.c.	567		223	120	163	61		
	MYR CAL	MYRICA CALIFORNICA	PACIFIC WAX MYRTLE	15 GAL.	180" o.c.	25		10		1	14		

 <p>San Francisco <b>Water Power Sewer</b></p> <p>Services of the San Francisco Public Utilities Commission</p> <p>INFRASTRUCTURE DIVISION ENGINEERING MANAGEMENT BUREAU</p>	EMB Mgr. ANNA ROCHE <hr/> WVE Engineering Mgr. HEATHER MANDERS <hr/> WVE O&M Mgr. <hr/> Section Mgr. HEATHER MANDERS <hr/> Designed <hr/> Drawn <hr/> Checked/Approved	BUREAU OF LANDSCAPE ARCHITECTURE  <p>49 South Van Ness Ave., Suite 1000 San Francisco, CA 94103 Phone (628)271-2000</p>	Bureau Mgr. JENNIFER COOPER <hr/> Deputy Bureau Mgr. N/A <hr/> Section Mgr. ANTHONY ESTERBROOKS <hr/> <hr/> <hr/> Proj. Engr. <hr/> Designed SG <hr/> Drawn DA <hr/> Checked by AA	95% SUBMITTAL 04/14/23 <table border="1"> <thead> <tr> <th>No.</th> <th>Date</th> <th>Revisions</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>	No.	Date	Revisions																															FOR THE SOLE USE OF THE DOCUMENT RECIPIENT - DO NOT CITE, COPY, OR CIRCULATE WITHOUT THE EXPRESSED PERMISSION OF THE SFPUC.  Contract No. WW-662  Elevation Datum	Project OCEAN BEACH CLIMATE CHANGE ADAPTATION PROJECT - LONG TERM IMPROVEMENTS  Drawing Title PLANTING SCHEDULE  Drawing/File No	Plan No. L-4011  Project No. 11381  Scale: N/A
	No.	Date	Revisions																																					
	Revision No. 0	Scale: N/A																																						
	For reduced plans original scale is in inches 																																							

**PLANT SCHEDULE CONTINUED**

SHRUBS	CODE	BOTANICAL NAME	COMMON NAME	SIZE	SPACING	QTY	INFILTRATION BASIN	MEDIAN1	MEDIAN2	PARKING	SLOAT PLAZA	VSZ AND SZ	REMARKS
	OEN ENR	OENETHERA ELATA HOOKERI	EVENING PRIMROSE	D-40	24" o.c.	98				98			
	PHA CAL	PHACELIA CALIFORNICA	CALIFORNIA PHACELIA	D-40	18" o.c.	444		216	82	56	90		
	PHA DIS	PHACELIA DISTANS	DISTANT PHACELIA	D-40	24" o.c.	126		51	31	44			
	PTE WES	PTERIDIUM AQUILINUM	WESTERN BRACKENFERN	D-40	24" o.c.	9					9		
	RIB SAN	RIBES SANGUINEUM	RED FLOWERING CURRANT	D-40	36" o.c.	6					6		
	TAN YNP	TANNECETUM BIPINNATUM	DUNE TANSY	D-40	24" o.c.	65			6	44	15		
SHRUB AREAS	CODE	BOTANICAL NAME	COMMON NAME	SIZE	SPACING	QTY	INFILTRATION BASIN	MEDIAN1	MEDIAN2	PARKING	SLOAT PLAZA	VSZ AND SZ	REMARKS
		VEGETATIVE STABILIZATION ZONE				203,526 SF						203,526 SF	
	ABR LA2	ABRONIA LATIFOLIA	YELLOW SAND VERBENA	D-40	10% @ 36" o.c.	2,351						2,351	
	AMB CH2	AMBROSIA CHAMISSONIS	BEACH BUR	D-40	10% @ 36" o.c.	2,351						2,351	
	ELY MO4	ELYMUS MOLLIS	AMERICAN DUNEGRASS	D-40	80% @ 36" o.c.	18,801						18,801	
		SACRIFICIAL ZONE				101,920 SF						101,920 SF	
	ABR LA2	ABRONIA LATIFOLIA	YELLOW SAND VERBENA	D-40	10% @ 36" o.c.	1,177						1,177	
	AMB CH2	AMBROSIA CHAMISSONIS	BEACH BUR	D-40	10% @ 1" o.c.	1,525,219						1,525,219	
	ATR LC2	ATRIPLEX LEUCOPHYLLA	BEACH SALTBUSH	---		5,096 SF						5,096 SF	
	ELY MO3	ELYMUS MOLLIS	AMERICAN DUNEGRASS	TRANSPLANT	75% @ 36" o.c.	8,827						8,827	
	ELY MO2	ELYMUS MOLLIS AND POA DOUGLASII	AMERICAN DUNEGRASS AND DUNE BLUEGRASS	TRANSPLANT		745 SF			198 SF		547 SF		TRANSPLANTS OF ELYMUS MOLLIS (70%) AND POA DOUGLASII (30%)
GROUND COVERS	CODE	BOTANICAL NAME	COMMON NAME	SIZE	SPACING	QTY	INFILTRATION BASIN	MEDIAN1	MEDIAN2	PARKING	SLOAT PLAZA	VSZ AND SZ	REMARKS
		UPLAND DUNES				36,019 SF	36,019 SF						
	ACH MI2	ACHILLEA MILLEFOLIUM	COMMON YARROW	D-40	10% @ 24" o.c.	936	936						
	ART PC2	ARTEMISIA PYCNOCEPHALA	BEACH SAGEWORT	D-40	14% @ 24" o.c.	1,311	1,311						
	BAC PI2	BACCHARIS PILULARIS	COYOTE BRUSH	D-40	3% @ 48" o.c.	71	71						
	DIP AU2	DIPLACUS AURANTIACUS	STICKY MONKEYFLOWER	D-40	6% @ 36" o.c.	250	250						
	ELY MOL	ELYMUS MOLLIS	AMERICAN DUNEGRASS	D-40	5% @ 24" o.c.	468	468						
	ERI MRI	ERICAMERIA ERICOIDES	MOCK HEATHER	D-40	10% @ 36" o.c.	416	416						
	ERI KSF	ERIOGONUM LATIFOLIUM	SEASIDE BUCKWHEAT	D-40	8% @ 24" o.c.	749	749						

Services of the San Francisco Public Utilities Commission
   
 INFRASTRUCTURE DIVISION
   
 ENGINEERING MANAGEMENT BUREAU

EMB Mgr. ANNA ROCHE
   
 WVE Engineering Mgr. HEATHER MANDERS
   
 WVE O&M Mgr.
   
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 Designed
   
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 Bureau Mgr. JENNIFER COOPER
   
 Deputy Bureau Mgr. N/A
   
 Section Mgr. ANTHONY ESTERBROOKS
   
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No.	Date	Revisions

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Contract No. **WW-662**

Elevation Datum

Project **OCEAN BEACH CLIMATE CHANGE ADAPTATION PROJECT - LONG TERM IMPROVEMENTS**

Drawing Title **PLANTING SCHEDULE**

Drawing/File No.

Revision No. **0**


Plan No. **L-4012**

Project No. **11381**


Scale: **N/A**

**PLANT SCHEDULE CONTINUED**

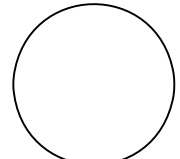
SHRUBS	CODE	BOTANICAL NAME	COMMON NAME	SIZE	SPACING	QTY	INFILTRATION BASIN	MEDIAN1	MEDIAN2	PARKING	SLOAT PLAZA	VSZ AND SZ	REMARKS
	FRA CH2	FRAGARIA CHILOENSIS	BEACH STRAWBERRY	D-40	4" @ 24" o.c.	375	375						
	GRI STR	GRINDELIA STRICTA	COASTAL GUM PLANT	D-40	5" @ 30" o.c.	300	300						
	LUP BBR	LUPINUS ARBOREUS	YELLOW BUSH LUPINE	D-40	6" @ 12" o.c.	2,246	2,246						
	LUP CBH	LUPINUS CHAMISSONIS	DUNE BUSH LUPINE	D-40	8" @ 24" o.c.	749	749						
	LUP VA2	LUPINUS VARIICOLOR	LINDLEY'S VARIED LUPINE	D-40	14" @ 24" o.c.	1,311	1,311						
	OEN ELA	OENOTHERA ELATA	HOOKE'S EVENING PRIMROSE	D-40	3" @ 36" o.c.	125	125						
	TAN PIY	TANACETUM BIPINNATUM	DUNE TANSY	D-40	4" @ 24" o.c.	375	375						
		INTERMEDIATE BASIN				13,879 SF	13,879 SF						
	ACH MI3	ACHILLEA MILLEFOLIUM	COMMON YARROW	D-40	8" @ 24" o.c.	289	289						
	AMS SPE	AMSINCKIA SPECTABILIS	SEASIDE FIDDLENECK	D-40	6" @ 12" o.c.	866	866						
	EXT CAL	ATRIPLEX CALIFORNICA	CALIFORNIA SALTBUSH	D-40	7" @ 24" o.c.	253	253						
	FRA CH3	FRAGARIA CHILOENSIS	BEACH STRAWBERRY	D-40	12" @ 24" o.c.	433	433						
	GRI PL2	GRINDELIA STRICTA PLATYPHYLLA	SPREADING GRINDELIA	D-40	10" @ 30" o.c.	231	231						
	JUN LO2	JUNCUS LESCURII	SAN FRANCISCO RUSH	D-40	5" @ 24" o.c.	181	181						
	LEY SRF	LEYMUS PACIFICUS X TRITICOIDES	PACIFIC WILDRYE	TRANSPLANT	18" @ 24" o.c.	650	650						LEYMUS TRITICOIDES, INTERMEDIATE WITH L. PACIFICUS
	LEY XV3	LEYMUS X VANCOUVERENSIS	VANCOUVER WILDRYE	TRANSPLANT	18" @ 24" o.c.	650	650						
	OEN HOE	OENOTHERA ELATA HOOKERII	CALIFORNIA EVENING PRIMROSE	D-40	8" @ 36" o.c.	129	129						
	TAN PI2	TANACETUM BIPINNATUM	DUNE TANSY	D-40	8" @ 36" o.c.	129	129						
		BOTTOM BASIN				9,313 SF	9,313 SF						
	LEY RNW	LEYMUS PACIFICUS INTERMEDIATES WITH L. TRITICOIDES	PACIFIC WILD RYE	TRANSPLANT		9,313 SF	9,313 SF						TRANSPLANT FROM PROPAGATION SITE
		BIORETENTION BASINS - PARKNG LOT				1,842 SF				1,842 SF			
	LEY SRF	LEYMUS PACIFICUS X TRITICOIDES	PACIFIC WILDRYE	TRANSPLANT	50" @ 24" o.c.	240				240			LEYMUS TRITICOIDES, INTERMEDIATE WITH L. PACIFICUS
	LEY XV3	LEYMUS X VANCOUVERENSIS	VANCOUVER WILDRYE	TRANSPLANT	50" @ 24" o.c.	240				240			


**San Francisco Water Power Sewer**  
 Services of the San Francisco Public Utilities Commission  
 INFRASTRUCTURE DIVISION  
 ENGINEERING MANAGEMENT BUREAU

EMB Mgr. ANNA ROCHE  
 WVE Engineering Mgr. HEATHER MANDERS  
 WVE O&M Mgr.  
 Section Mgr. HEATHER MANDERS  
 Designed  
 Drawn  
 Checked/Approved

BUREAU OF LANDSCAPE ARCHITECTURE  

**SAN FRANCISCO PUBLIC WORKS**  
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 Phone (415)271-2000

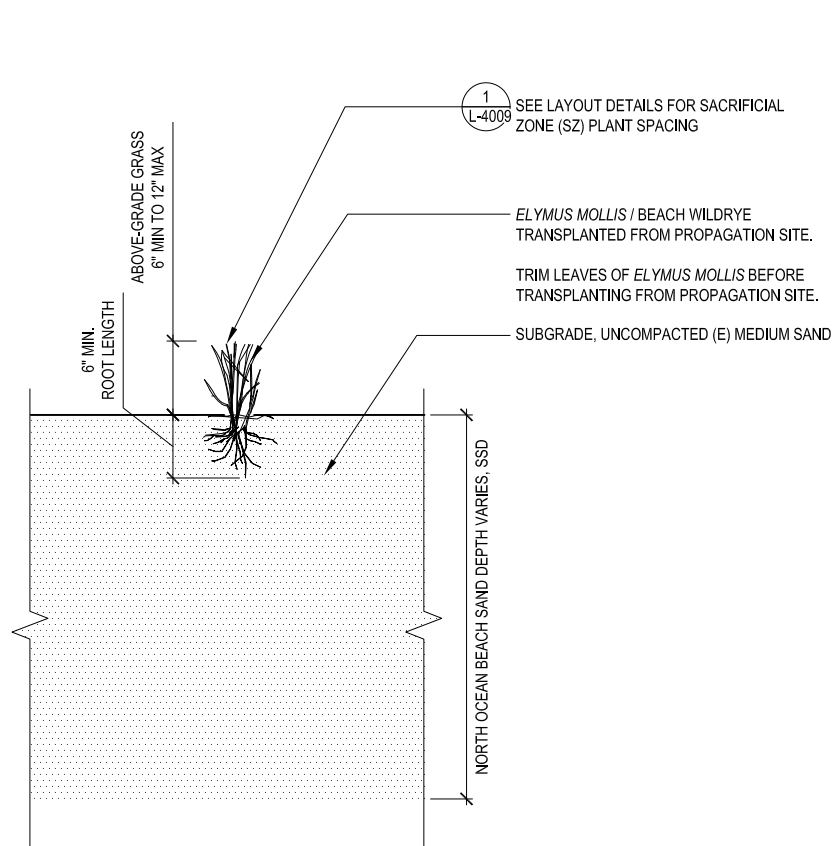
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 Deputy Bureau Mgr. N/A  
 Section Mgr. ANTHONY ESTERBROOKS  
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Contract No. <b>WW-662</b>	Drawing Title <b>PLANTING SCHEDULE</b>	Project No. 11381
Elevation Datum	Drawing/File No.	Revision No. 0 Scale: N/A

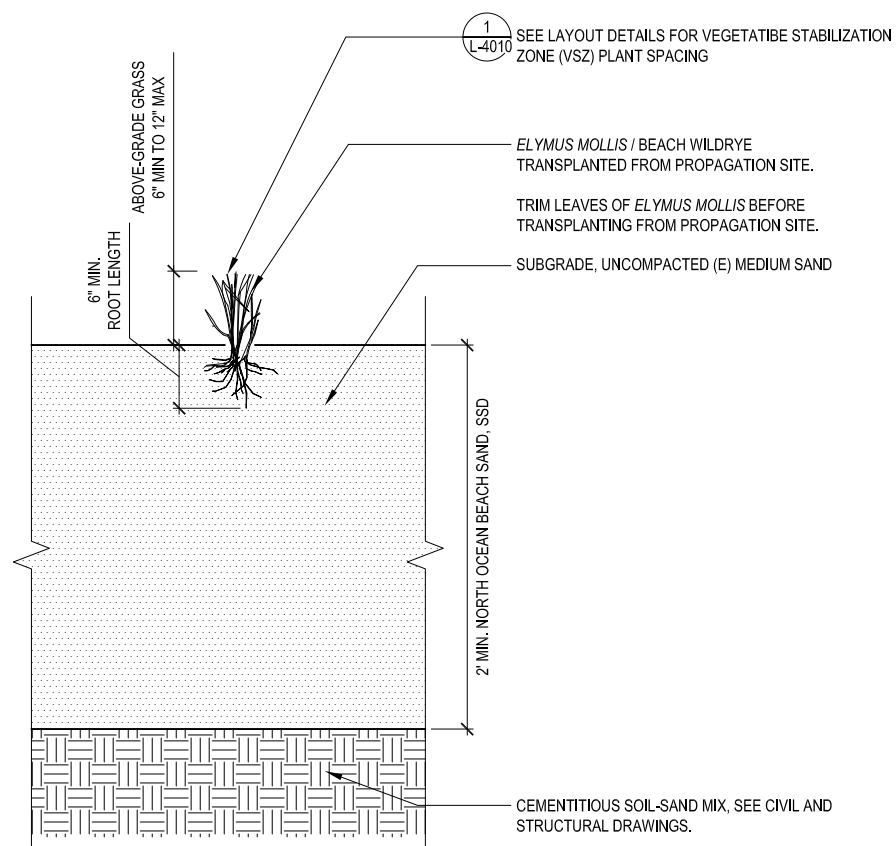


SECTION

**CONSTRUCTION NOTES:**

1. PLANT LOCATIONS TO BE STAKED IN THE FIELD AND APPROVED BY LANDSCAPE ARCHITECT PRIOR TO PLANTING.
2. ELYMUS MOLLIS IN THIS DETAIL APPLIES TO TRANSPLANTED GRASSES AT SLOAT PLAZA AND THE SACRIFICIAL ZONE PLANTING AREA, SEE L-4001, L-4002, AND L-4009,

**1 PLANTING DETAIL - TRANSPLANTED GRASSES SACRIFICIAL ZONE**  
SCALE: 1" = 1'-0"

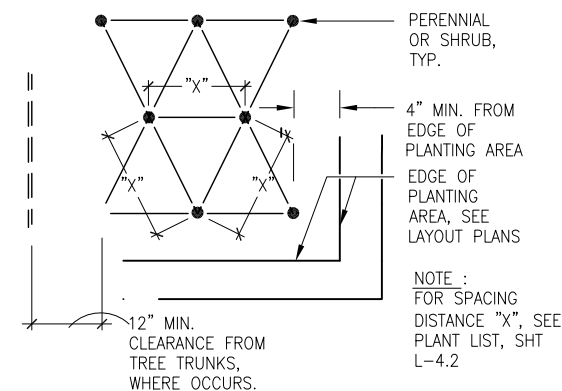


SECTION

**CONSTRUCTION NOTES:**

1. ELYMUS MOLLIS PLANTED OVER CEMENTITIOUS LAYER ONLY IN VEGETATIVE STABILIZATION ZONE. SEE L-4001, L-4009 AND L-4010.
2. PLANT LOCATIONS TO BE STAKED IN THE FIELD AND APPROVED BY LANDSCAPE ARCHITECT PRIOR TO PLANTING.
3. SEE SPECIFICATIONS FOR DETAILS ABOUT THE TRANSPLANTING PROCESS.
4. GRASSES TO BE TRANSPLANTED FROM PROPAGATION SITE LOCATED AT FT. FUNSTON.

**2 PLANTING DETAIL - TRANSPLANTED GRASSES AT VSZ**  
SCALE: 1" = 1'-0"



**3 TRIANGULAR PLANTING**  
SCALE: NTS



EMB Mgr. ANNA ROCHE  
 WVE Engineering Mgr. HEATHER MANDERS  
 WVE O&M Mgr.  
 Section Mgr. HEATHER MANDERS  
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BUREAU OF LANDSCAPE ARCHITECTURE



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Project OCEAN BEACH CLIMATE CHANGE ADAPTATION PROJECT - LONG TERM IMPROVEMENTS

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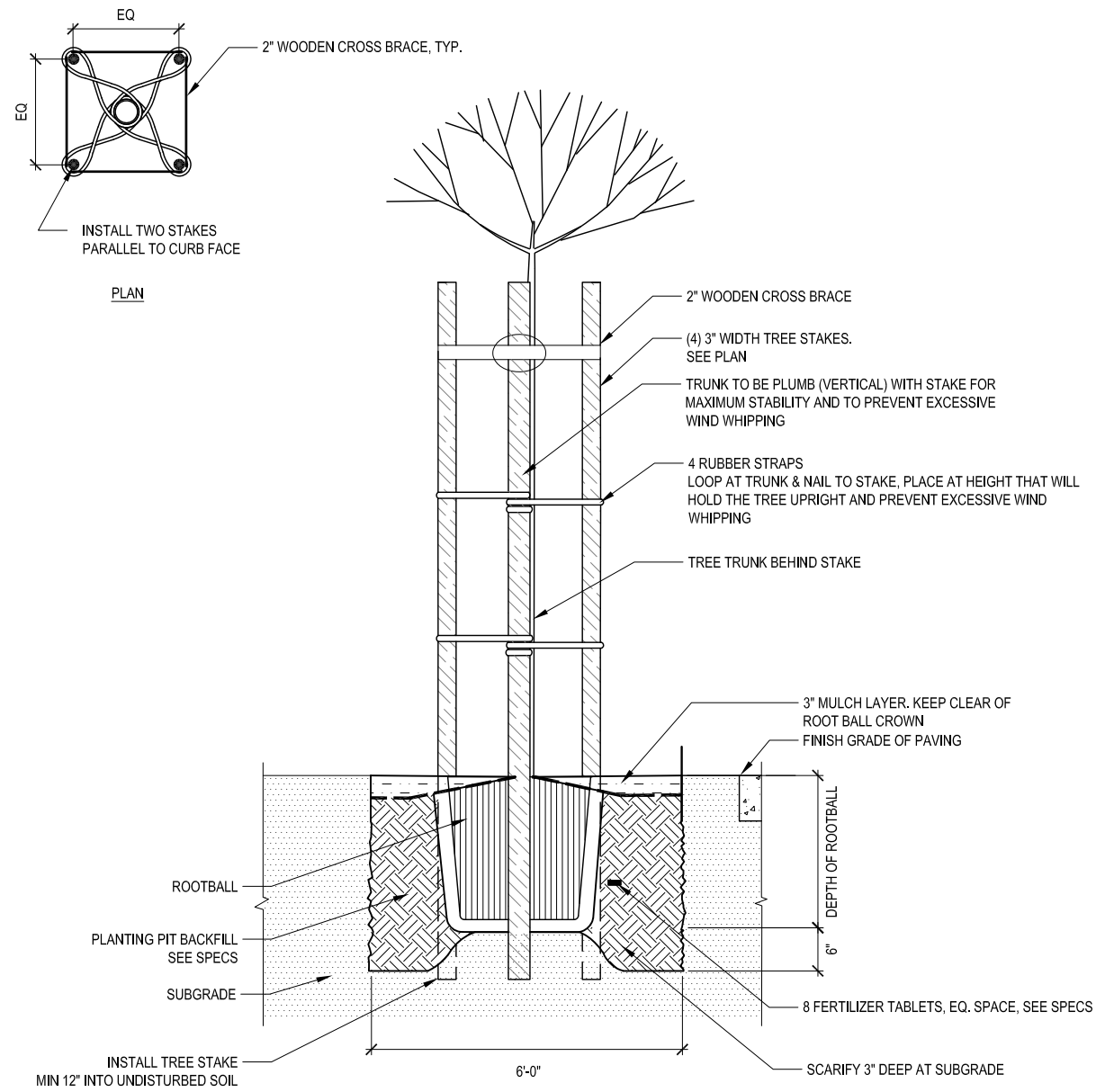
Drawing/File No

Revision No. 0

Plan No. L-5004

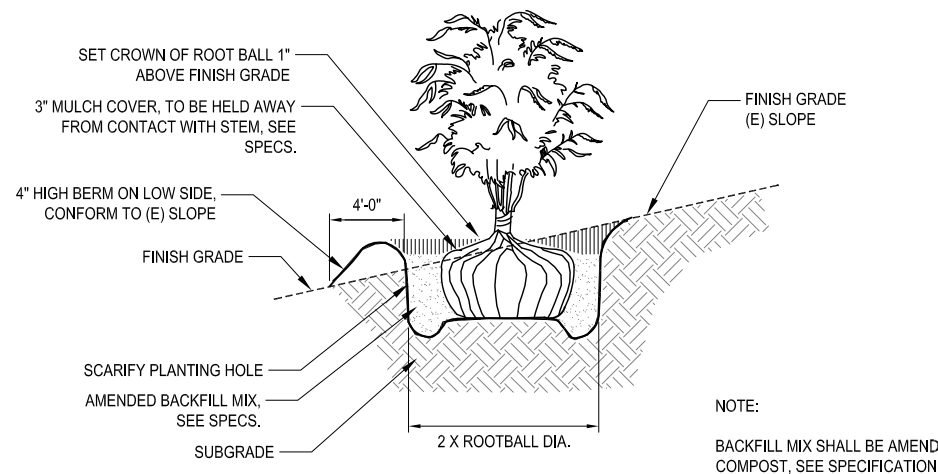
Project No. 11381

Scale: AS NOTED



**NOTE:**

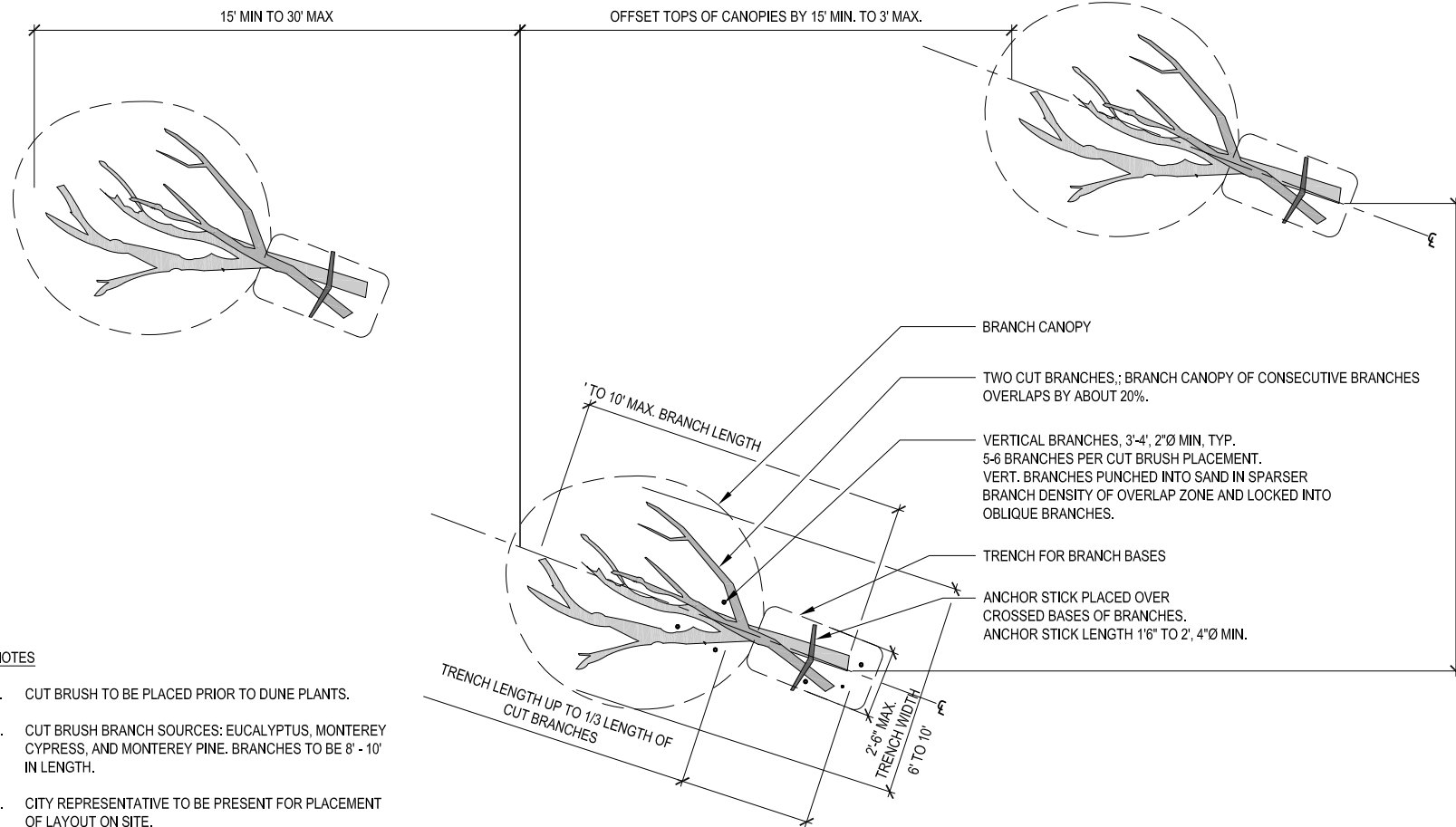
1. TREE STAKE TO BE LOCATED ON PREVAILING WIND SIDE.
2. TREES SHALL BE PRUNED UNDER THE DIRECTION OF CITY REPRESENTATIVE.
3. ALL TREES TO RECEIVE COMPACTED QUARRY FINES AND WEED GUARD FABRIC AND BE CENTERED WITHIN 3'X4' PLANTING PIT. STAKES TO BE PAINTED. COLOR: BLACK.
4. BRACE SLEEVES, CROSS BRACE, TIES SLEEVES AND STRAPS TO BE BLACK IN COLOR.



**1 TREE PLANTING**  
SCALE: 1" = 1'-0"

**2 SHRUB PLANTING**  
SCALE: NTS

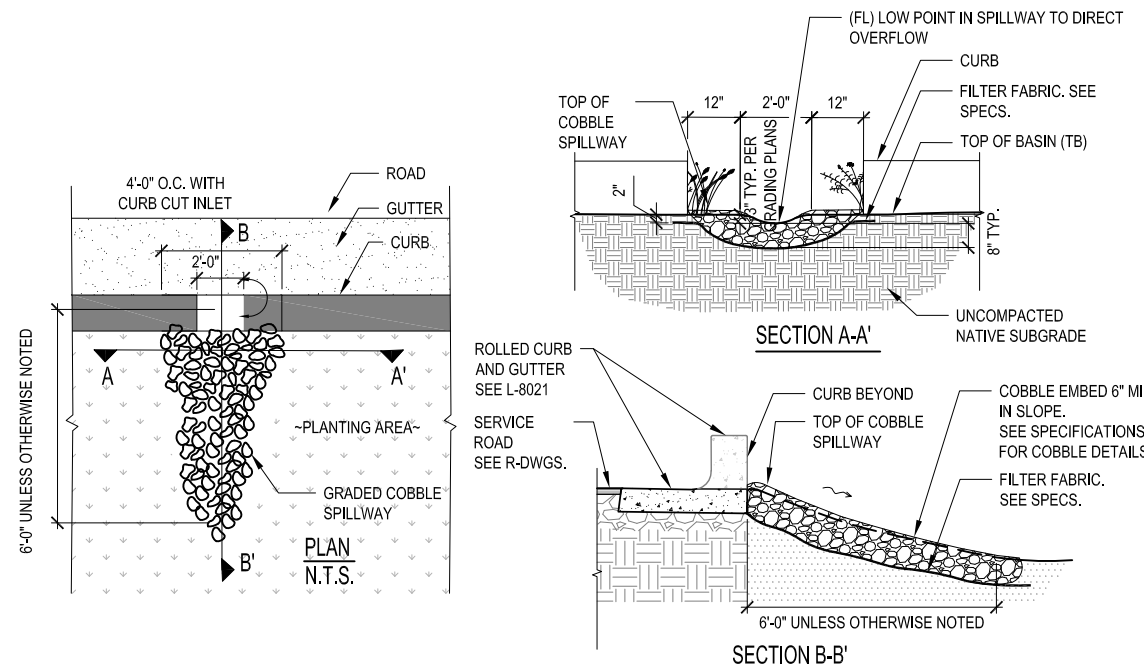
<p>San Francisco <b>Water Power Sewer</b></p> <p>Services of the San Francisco Public Utilities Commission</p> <p>INFRASTRUCTURE DIVISION ENGINEERING MANAGEMENT BUREAU</p>	<p>EMB Mgr. ANNA ROCHE</p> <p>WWE Engineering Mgr. HEATHER MANDERS</p> <p>WWE O&amp;M Mgr.</p> <p>Section Mgr. HEATHER MANDERS</p> <p>Designed</p> <p>Drawn</p> <p>Checked/Approved</p>	<p>BUREAU OF LANDSCAPE ARCHITECTURE</p> <p>49 South Van Ness Ave., Suite 1000 San Francisco, CA 94103 Phone (415)271-2000</p>	<p>Bureau Mgr. JENNIFER COOPER</p> <p>Deputy Bureau Mgr. N/A</p> <p>Section Mgr. ANTHONY ESTERBROOKS</p> <p>Proj. Engr.</p> <p>Designed SG</p> <p>Drawn DA</p> <p>Checked by AA</p>	<p>95% SUBMITTAL 04/14/23</p> <table border="1"> <thead> <tr> <th>No.</th> <th>Date</th> <th>Revisions</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>	No.	Date	Revisions																												<p>FOR THE SOLE USE OF THE DOCUMENT RECIPIENT - DO NOT CITE, COPY, OR CIRCULATE WITHOUT THE EXPRESSED PERMISSION OF THE SFPUC.</p> <p>Contract No. WW-662</p> <p>Elevation Datum</p>	<p>Project OCEAN BEACH CLIMATE CHANGE ADAPTATION PROJECT - LONG TERM IMPROVEMENTS</p> <p>Drawing Title PLANTING DETAILS</p> <p>Drawing/File No</p> <p>Revision No. 0</p>	<p>Plan No. L-5005</p> <p>Project No. 11381</p> <p>Scale: AS NOTED</p>
	No.	Date	Revisions																																		
<p>For reduced plans original scale is in inches</p> <p>Original Sheet Size: 22"x34"</p>																																					



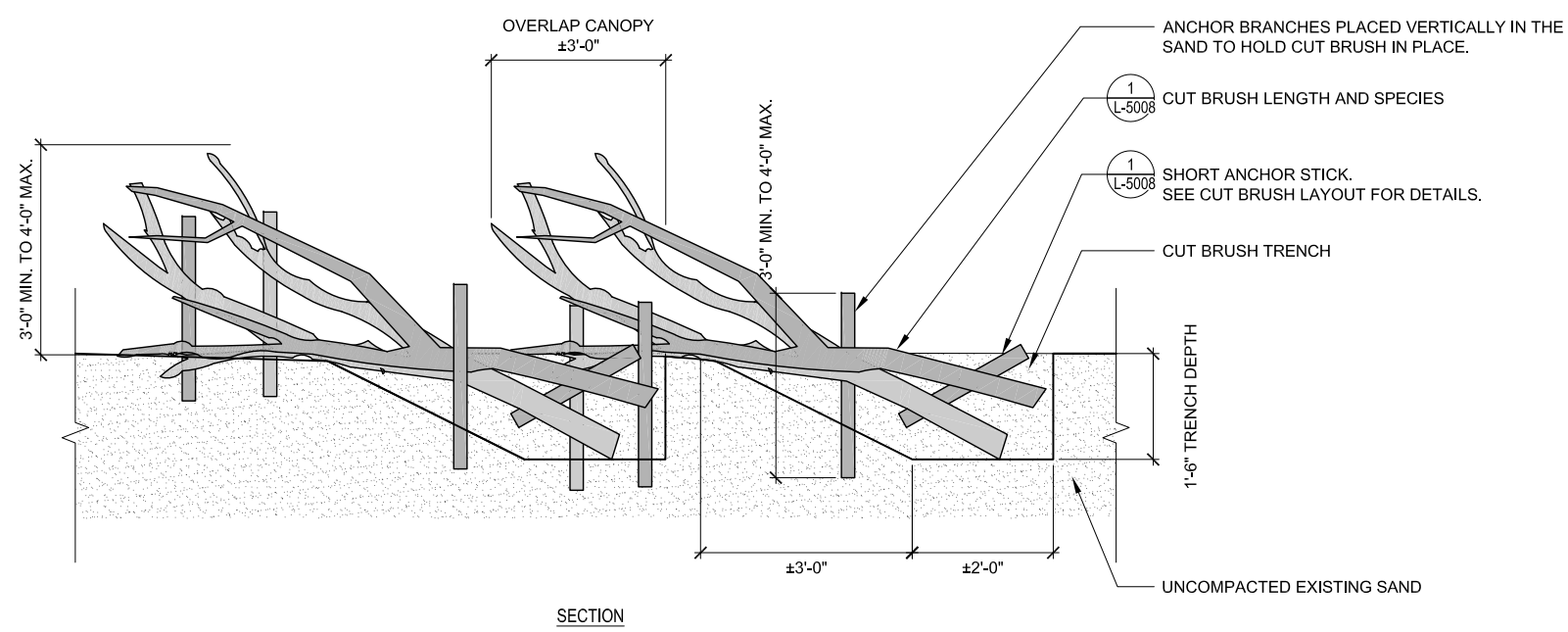
- NOTES**
- CUT BRUSH TO BE PLACED PRIOR TO DUNE PLANTS.
  - CUT BRUSH BRANCH SOURCES: EUCALYPTUS, MONTEREY CYPRESS, AND MONTEREY PINE. BRANCHES TO BE 8' - 10' IN LENGTH.
  - CITY REPRESENTATIVE TO BE PRESENT FOR PLACEMENT OF LAYOUT ON SITE.
  - CUT BRUSH PLACEMENT BEGINS AT NAVD 15 (HIGH WATER LINE). SEE PLANTING PLAN.

**1 CUT BRUSH - LAYOUT**  
SCALE: 3/8" = 1'-0"

PLAN VIEW

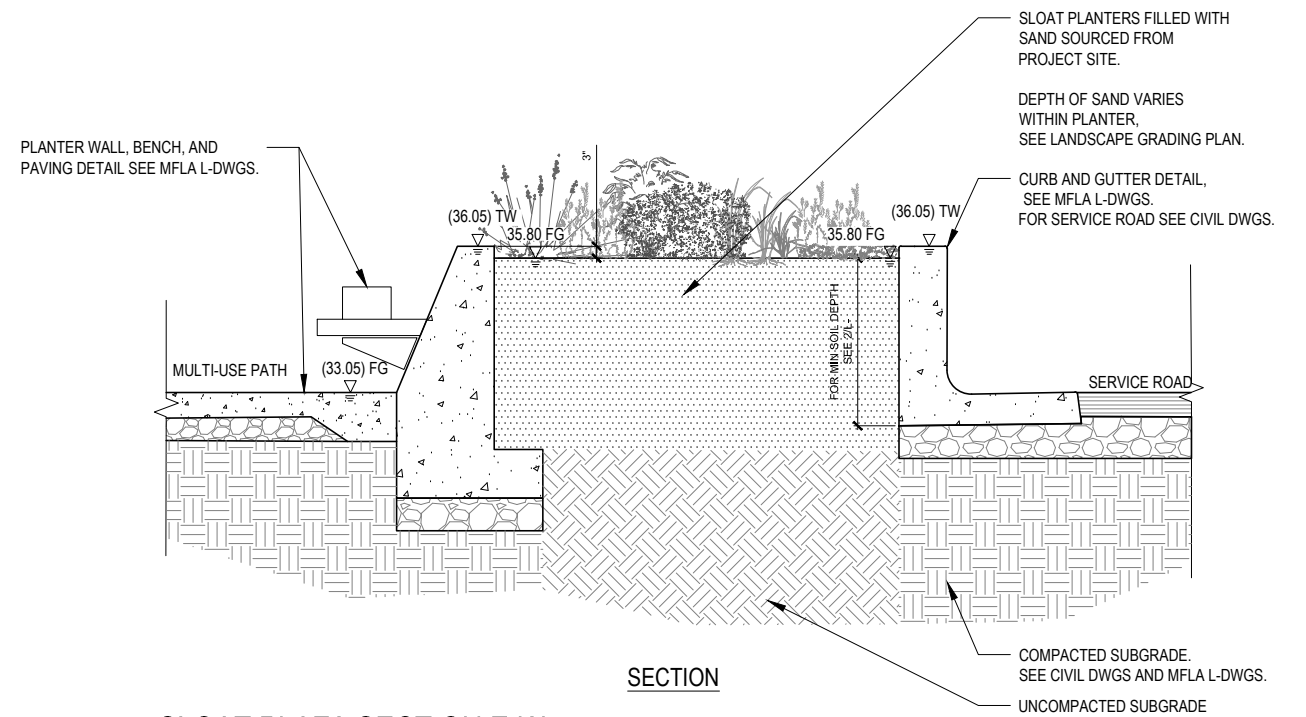


**3 COBBLE SWALE DISSIPATION APRON**  
SCALE: NTS

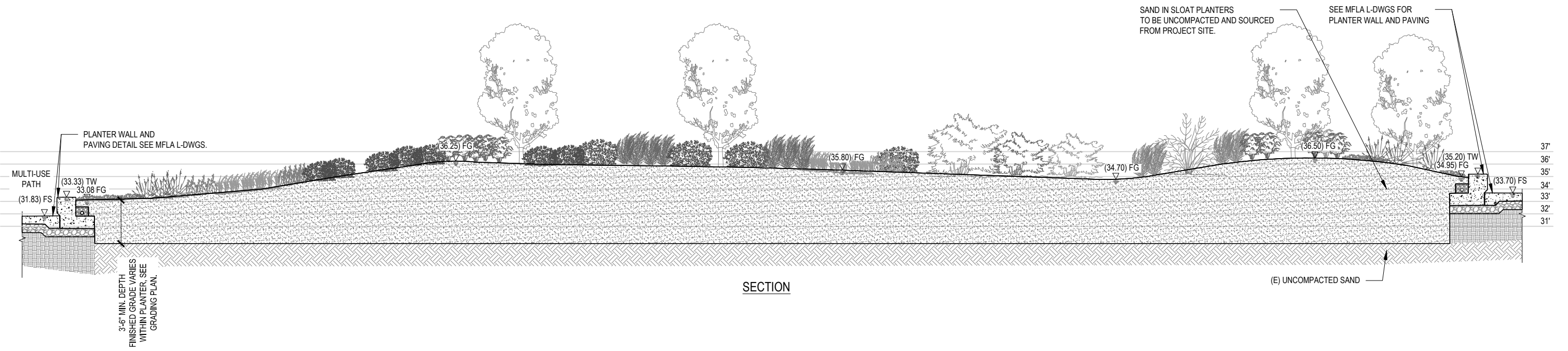


**2 CUT BRUSH - CONSTRUCTION**  
SCALE: 3/4" = 1'-0"

<p>San Francisco Water Power Sewer</p> <p>Services of the San Francisco Public Utilities Commission</p> <p>INFRASTRUCTURE DIVISION</p> <p>ENGINEERING MANAGEMENT BUREAU</p>	<p>EMB Mgr. ANNA ROCHE</p> <p>WWVE Engineering Mgr. HEATHER MANDERS</p> <p>WWVE O&amp;M Mgr.</p>	<p>BUREAU OF LANDSCAPE ARCHITECTURE</p> <p>49 South Van Ness Ave., Suite 1000 San Francisco, CA 94103 Phone (628)271-2000</p>	<p>Bureau Mgr. JENNIFER COOPER</p> <p>Deputy Bureau Mgr. N/A</p> <p>Section Mgr. ANTHONY ESTERBROOKS</p>	<p>95% SUBMITTAL 04/14/23</p> <table border="1"> <thead> <tr> <th>No.</th> <th>Date</th> <th>Revisions</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>	No.	Date	Revisions																												<p>FOR THE SOLE USE OF THE DOCUMENT RECIPIENT - DO NOT CITE, COPY, OR CIRCULATE WITHOUT THE EXPRESSED PERMISSION OF THE SFPUC.</p>	<p>Project OCEAN BEACH CLIMATE CHANGE ADAPTATION PROJECT - LONG TERM IMPROVEMENTS</p> <p>Plan No. L-5006</p>
	No.	Date	Revisions																																	
<p>Section Mgr. HEATHER MANDERS</p> <p>Designed</p> <p>Drawn</p> <p>Checked/Approved</p>	<p>Proj. Engr.</p> <p>Designed SG</p> <p>Drawn DA</p> <p>Checked by AA</p>	<p>Contract No. WW-662</p> <p>Elevation Datum</p>	<p>Drawing Title PLANTING DETAILS CUT BRUSH</p> <p>Project No. 11381</p> <p>Drawing/File No</p> <p>Revision No. 0</p> <p>Scale: AS NOTED</p>	<p>For reduced plans original scale is in inches</p> <p>Original Sheet Size: 22"x34"</p>	<p>Project No. 11381</p> <p>Scale: AS NOTED</p>																															

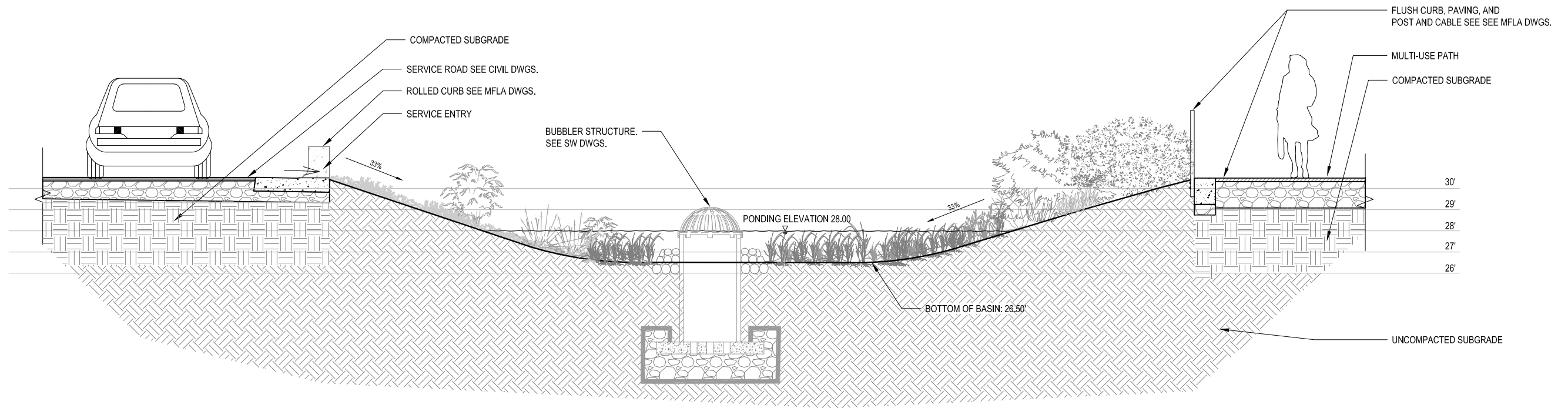


1 SLOAT PLAZA SECTION E-W  
SCALE: 1" = 1'-0"



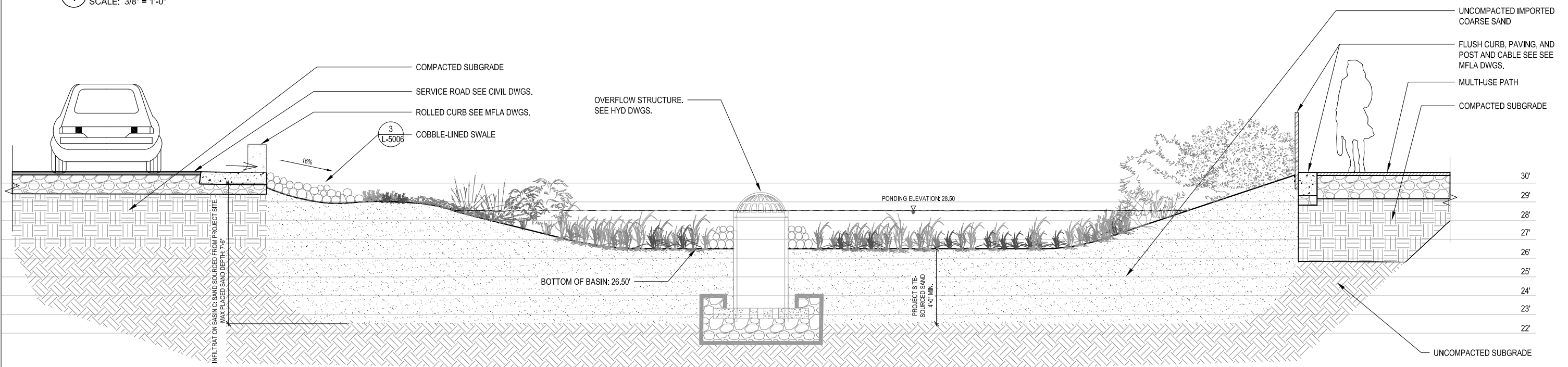
2 SLOAT PLAZA SECTION N-S  
SCALE: 1/4" = 1'-0"

<p>San Francisco Water Power Sewer Services of the San Francisco Public Utilities Commission INFRASTRUCTURE DIVISION ENGINEERING MANAGEMENT BUREAU</p>	EMB Mgr. ANNA ROCHE WVE Engineering Mgr. HEATHER MANDERS WVE O&M Mgr. _____ Section Mgr. HEATHER MANDERS Designed _____ Drawn _____ Checked/Approved _____	BUREAU OF LANDSCAPE ARCHITECTURE <p>49 South Van Ness Ave., Suite 1000 San Francisco, CA 94103 Phone (628)271-2000</p>	Bureau Mgr. JENNIFER COOPER Deputy Bureau Mgr. N/A Section Mgr. ANTHONY ESTERBROOKS Proj. Engr. _____ Designed SG Drawn DA Checked by AA	95% SUBMITTAL 04/14/23 <table border="1"> <thead> <tr> <th>No.</th> <th>Date</th> <th>Revisions</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>	No.	Date	Revisions																															Project OCEAN BEACH CLIMATE CHANGE ADAPTATION PROJECT - LONG TERM IMPROVEMENTS Contract No. WW-662 Elevation Datum	Plan No. L-3001 Drawing Title SLOAT PLAZA SECTIONS Drawing/File No. _____ Revision No. 0 Scale: AS NOTED
	No.	Date	Revisions																																				



SECTION

1 INFILTRATION BASIN B  
SCALE: 3/8" = 1'-0"



SECTION

2 INFILTRATION BASIN C  
SCALE: 3/8" = 1'-0"



EMB Mgr. ANNA ROCHE  
 WVE Engineering Mgr. HEATHER MANDERS  
 WVE O&M Mgr.  
 Section Mgr. HEATHER MANDERS  
 Designed  
 Drawn  
 Checked/Approved

BUREAU OF LANDSCAPE ARCHITECTURE



49 South Van Ness Ave., Suite 1000  
 San Francisco, CA 94103  
 Phone (628)271-2000

Bureau Mgr. JENNIFER COOPER  
 Deputy Bureau Mgr. N/A  
 Section Mgr. ANTHONY ESTERBROOKS  
 Proj. Engr.  
 Designed SG  
 Drawn DA  
 Checked by AA

95% SUBMITTAL 04/14/23

No.	Date	Revisions

FOR THE SOLE USE OF THE DOCUMENT RECIPIENT - DO NOT CITE, COPY, OR CIRCULATE WITHOUT THE EXPRESSED PERMISSION OF THE SFPUC.

Contract No. WW-662

Elevation Datum

Project OCEAN BEACH CLIMATE CHANGE ADAPTATION PROJECT - LONG TERM IMPROVEMENTS  
 Plan No. L-3002

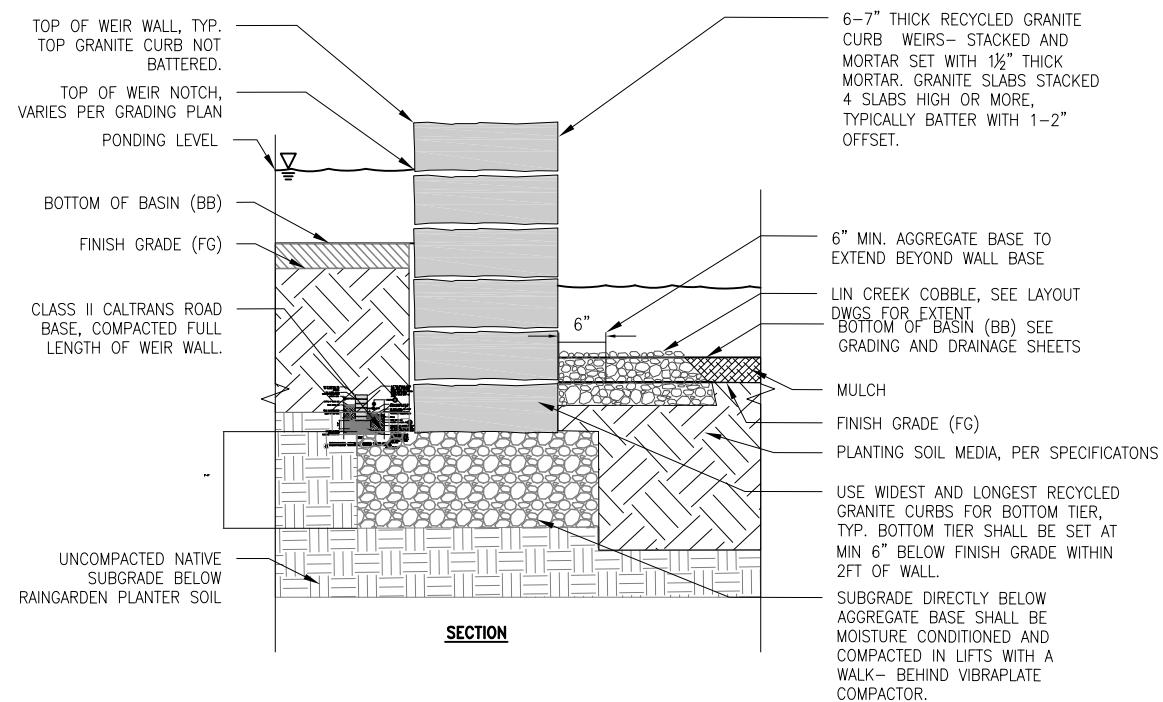
Drawing Title INFILTRATION BASIN SECTIONS  
 Project No. 11381

Drawing/File No

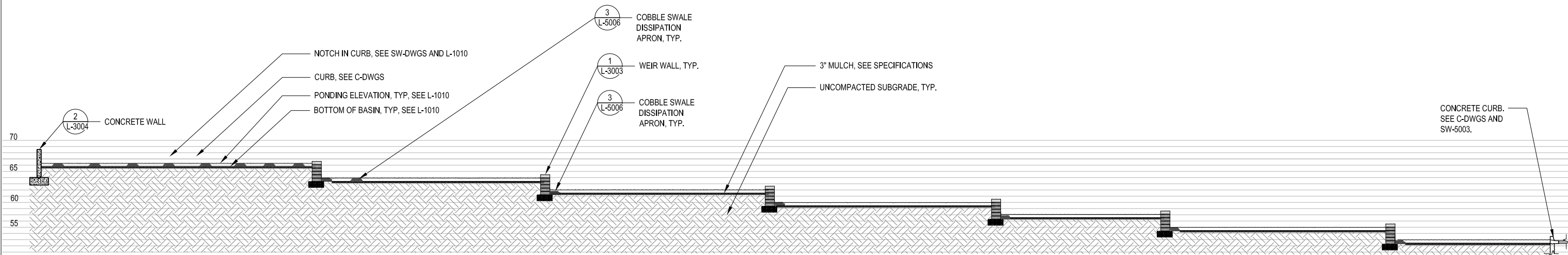
Revision No. 0

Scale: AS NOTED





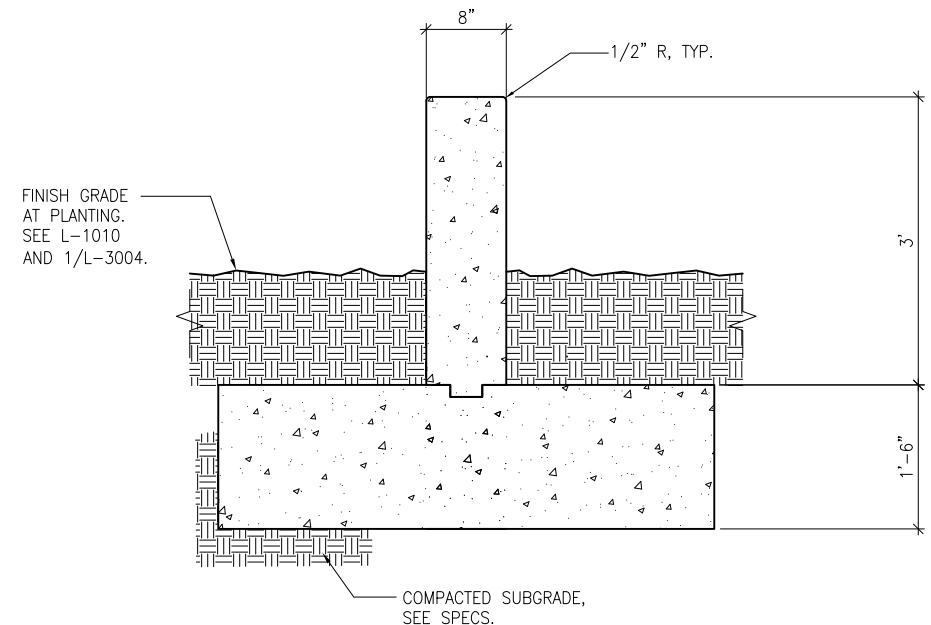
**2** RECYCLED GRANITE CURB WEIR WALL  
SCALE: 1" = 1'-0"



**1** PARKING LOT INFILTRATION BASIN E  
SCALE: 1" = 1'-0"

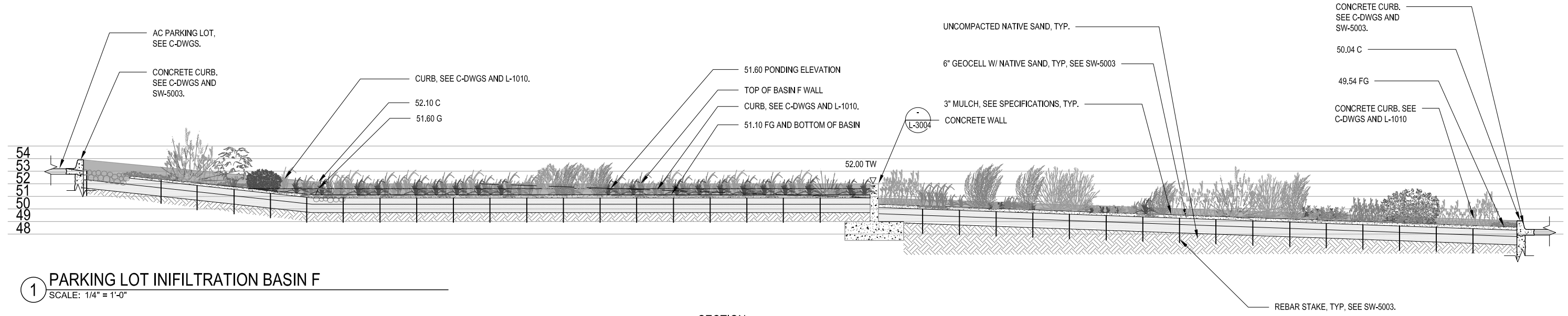
SECTION

<p>San Francisco <b>Water Power Sewer</b> Services of the San Francisco Public Utilities Commission INFRASTRUCTURE DIVISION ENGINEERING MANAGEMENT BUREAU</p>	EMB Mgr. ANNA ROCHE WVE Engineering Mgr. HEATHER MANDERS WVE O&M Mgr. _____ Section Mgr. HEATHER MANDERS Designed _____ Drawn _____ Checked/Approved _____	BUREAU OF LANDSCAPE ARCHITECTURE <p>SAN FRANCISCO <b>PUBLIC WORKS</b></p> <p>49 South Van Ness Ave., Suite 1000 San Francisco, CA 94103 Phone (628)271-2000</p>	Bureau Mgr. JENNIFER COOPER Deputy Bureau Mgr. N/A Section Mgr. ANTHONY ESTERBROOKS Proj. Engr. _____ Designed SG Drawn DA Checked by AA	95% SUBMITTAL 04/14/23 <table border="1"> <thead> <tr> <th>No.</th> <th>Date</th> <th>Revisions</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>	No.	Date	Revisions																															FOR THE SOLE USE OF THE DOCUMENT RECIPIENT - DO NOT CITE, COPY, OR CIRCULATE WITHOUT THE EXPRESSED PERMISSION OF THE SFPUC. Contract No. WW-662 Elevation Datum _____	Project <b>OCEAN BEACH CLIMATE CHANGE ADAPTATION PROJECT - LONG TERM IMPROVEMENTS</b> Drawing Title <b>PARKING LOT INFILTRATION BASIN PLAN AND SECTION - BASIN E</b> Drawing/File No _____ Revision No. 0	Plan No. <b>L-3003</b> Project No. 11381 Scale: AS NOTED
	No.	Date	Revisions																																					



- NOTES:
1. FINISH ALL EXPOSED CONC. SURFACES PER SPECIFICATONS.
  2. ALL WALLS TO RECEIVE ANTI-GRAFFITI COATING.

**2 CONCRETE WALL**  
SCALE: 1" = 1'-0"



**1 PARKING LOT INFILTRATION BASIN F**  
SCALE: 1/4" = 1'-0"

SECTION

<p>San Francisco <b>Water Power Sewer</b> Services of the San Francisco Public Utilities Commission INFRASTRUCTURE DIVISION ENGINEERING MANAGEMENT BUREAU</p>	EMB Mgr. ANNA ROCHE WVE Engineering Mgr. HEATHER MANDERS WVE O&M Mgr. _____ Section Mgr. HEATHER MANDERS Designed _____ Drawn _____ Checked/Approved _____	BUREAU OF LANDSCAPE ARCHITECTURE <p>SAN FRANCISCO <b>PUBLIC WORKS</b></p> <p>49 South Van Ness Ave., Suite 1000 San Francisco, CA 94103 Phone (628)271-2000</p>	Bureau Mgr. JENNIFER COOPER Deputy Bureau Mgr. N/A Section Mgr. ANTHONY ESTERBROOKS Proj. Engr. _____ Designed SG Drawn DA Checked by AA	95% SUBMITTAL 04/14/23 <table border="1"> <thead> <tr> <th>No.</th> <th>Date</th> <th>Revisions</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>	No.	Date	Revisions																															FOR THE SOLE USE OF THE DOCUMENT RECIPIENT - DO NOT CITE, COPY, OR CIRCULATE WITHOUT THE EXPRESSED PERMISSION OF THE SFPUC. Contract No. WW-662 Elevation Datum _____	Project OCEAN BEACH CLIMATE CHANGE ADAPTATION PROJECT - LONG TERM IMPROVEMENTS Drawing Title PARKING LOT INFILTRATION BASIN PLAN AND SECTION - BASIN F Drawing/File No _____ Revision No. 0	Plan No. L-3004 Project No. 11381 Scale: AS NOTED
	No.	Date	Revisions																																					
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For reduced plans original scale is in inches  Original Sheet Size: 22"x34"																																								

**LEGEND**

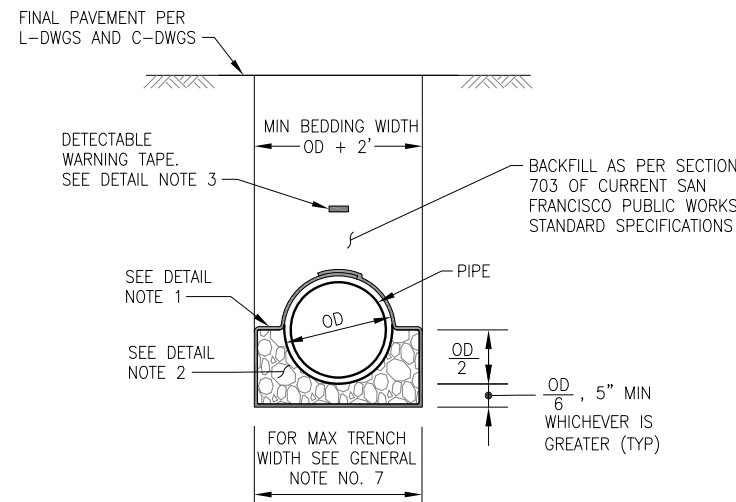
SIZE & TYPE	EXISTING SEWER OR CULVERT
	EXISTING MH
	EXISTING CB, SWI
	EXISTING SIDE SEWER AND FRESH AIR INLET
SIZE & TYPE	NEW SEWER OR CULVERT
	NEW MH PER SFDPW STD PLAN 87,181
	REPLACE (E) MH PER SFDPW STD PLAN 87,181
	NEW OVERFLOW STRUCTURE
	NEW BUBBLER STRUCTURE
	NEW SWI PER SFDPW STD PLAN 87,189
	NEW CB WITH CURB INLET PER SFDPW STD PLAN 87,187
	NEW CB PER SFDPW STD PLAN 87,188
	REPLACE (E) CB PER SFDPW STD PLAN 87,188
	EXISTING MH
	NEW MH
	MORTAR EXISTING MH
	REPLACE EXISTING MH
	ABANDON EXISTING MH
	REMOVE EXISTING MH
	ABANDON EXISTING MH
	ABANDON EXISTING CB, SWI
	REMOVE EXISTING CB, MH, SWI
	REPLACE (E) SWI PER SFDPW STD PLAN 87,189
	NEW SS PER SFDPW STD PLAN 87,196
	NEW 6" OR 8" SS CONNECTION TO MAIN SEWER
	PLUG EXISTING FACILITIES
	PLUG AND FILL EXISTING FACILITIES
	REMOVE EXISTING FACILITIES
	APPROXIMATE LOCATION OF CUT-OFF WALL
	APPROXIMATE PAVEMENT SURFACE
	DIRECTION OF FLOW
	SLURRY GROUT SHOWN IN SECTION OR PROFILE

**ABBREVIATIONS**

±	PLUS OR MINUS
ACWS	ASPHALT CONCRETE WEARING SURFACE
AASHTO	AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS
APPROX	APPROXIMATE
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
AVE	AVENUE
AWSS	AUXILIARY WATER SUPPLY SYSTEM
BB	BOTTOM OF BASIN
BLVD	BOULEVARD
BRK	BRICK
CAC	CALCIUM ALUMINATE CEMENTITIOUS
CB	CATCH BASIN
CH	CHANGE
CIPL	CURED IN-PLACE LINER
CONC	CONCRETE
C-C	CENTER TO CENTER
CY	CUBIC YARD
DET	DETAIL
DIA OR Ø	DIAMETER
DIP	DUCTILE IRON PIPE
DWG	DRAWING
E	EAST
(E)	EXISTING
EL	ELEVATION
ENGR	ENGINEER
EQ	EQUAL
HDPE	HIGH DENSITY POLYETHYLENE PIPE
HH	HETCH HETCHY WATER POWER
FGP	FIBERGLASS PIPE
HORIZ	HORIZONTAL
HWY	HIGHWAY
ID	INSIDE DIAMETER
INV	INVERT
ISP	IRON STONE PIPE
L	LEFT
LF	LINEAR FEET
MAX	MAXIMUM
MDB	MUNI DUCT BANK
MH	MANHOLE
MH "X"	MANHOLE DESIGNATION
MIN	MINIMUM
N	NORTH
(N)	NEW
NIC	NOT IN CONTRACT
NO.	NUMBER
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OFF	OFFSET
POND	PONDING LEVEL
PL	PROPERTY LINE
R	RIGHT
RC	REINFORCED CONCRETE
RCP	REINFORCED CONCRETE PIPE
ROW	RIGHT OF WAY
S	SOUTH
SF	SQUARE FEET
S.F.	SAN FRANCISCO
SFDPW	SAN FRANCISCO DEPARTMENT OF PUBLIC WORKS
SL	SLOPE
SP	SPLASH PAD
SPECS	SPECIFICATIONS
SS	SIDE SEWER (LATERAL)
ST	STREET
STA	STATION
STD	STANDARD
SWI	STORM WATER INLET
THRU	THROUGH
(TYP)	TYPICAL
VERT	VERTICAL
VCP	VITRIFIED CLAY PIPE
W	WEST
W/	WITH
W/O	WITHOUT

**GENERAL NOTES**

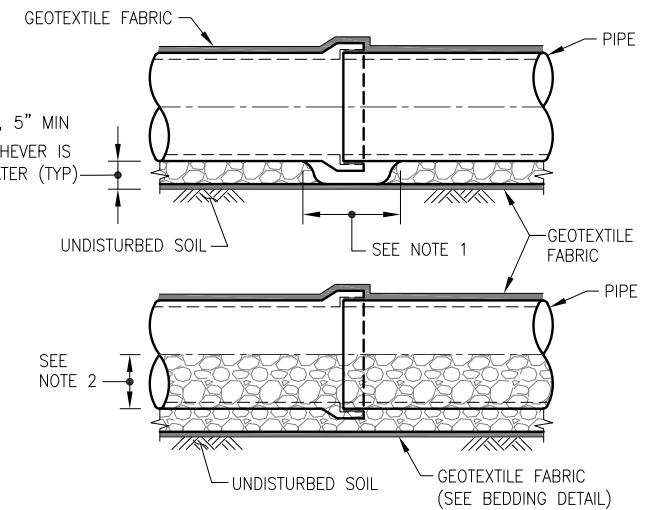
- NUMBER AND LOCATIONS OF SIDE SEWER CONNECTIONS ARE APPROXIMATE. CONTRACTOR SHALL VERIFY SIDE SEWER CONNECTIONS IN THE FIELD.
- ALL GROUND SURFACE ELEVATIONS AND INVERT ELEVATIONS TO BE CONFORMED ARE APPROXIMATE.
- ELEVATIONS ARE IN REFERENCE TO "CCSF 2013 NAVD88 VERTICAL DATUM" (SF-VD13).
- IN ACCORDANCE WITH THE PROVISIONS OF THE CALIFORNIA PUBLIC CONTRACT CODE SECTION 3300, A BID SUBMITTED TO A PUBLIC AGENCY BY A CONTRACTOR WHO IS NOT LICENSED IN ACCORDANCE WITH CHAPTER 9 OF THE BUSINESS AND PROFESSIONS CODE SHALL BE CONSIDERED NON-RESPONSIVE AND SHALL BE REJECTED BY THE PUBLIC AGENCY.
- AT THE TIME THIS CONTRACT IS BID, THE CONTRACTOR SHALL POSSESS A STATE OF CALIFORNIA CLASS "A" GENERAL ENGINEERING CONTRACTOR'S LICENSE.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN EXCAVATION PERMIT FROM SFDPW-STREET CONSTRUCTION COORDINATION CENTER LOCATED AT 49 SOUTH VAN NESS AVENUE, SUITE 200, SAN FRANCISCO, CA 94103.
- MAXIMUM TRENCH WIDTH SHALL BE THE LARGER OUTSIDE DIMENSION OF THE NEW OR EXISTING SEWER/STRUCTURE PLUS 1.5 FEET ON EACH SIDE.
- ALL NEW VCP MAIN SEWERS SHALL BE CONSTRUCTED ON CRUSHED ROCK BEDDING PER DETAILS ON SW-0001, UNLESS OTHERWISE NOTED.
- PIPE LENGTH SHOWN IN PROFILE INDICATES HORIZONTAL DISTANCE EXCLUDING INSIDE DIMENSION OF EACH SEWER MANHOLE/STRUCTURE.
- AFTER SEWER WORK, PAVING AND CURB RAMP HAS BEEN COMPLETED, THE CONTRACTOR SHALL CLEAN ALL CATCH BASINS SHOWN ON SW-DRAWINGS AND REPLACE CAST IRON WATER TRAP AS DIRECTED BY THE CITY REPRESENTATIVE.
- CONTRACTOR SHALL PROTECT ALL SURVEY MONUMENTS AND BENCHMARKS LOCATED WITHIN THE CONTRACT LIMIT. CITY MONUMENTS LOCATED WITHIN 20 FEET OF CONSTRUCTION MUST BE REFERENCED PRIOR TO ANY DEMOLITION, AND A CORNER RECORD MUST BE FILED WITH THE COUNTY SURVEYOR'S OFFICE BY CONTACTING BUREAU OF STREET-USE AND MAPPING AT (628) 271-2000. THE MONUMENTS MUST BE REVISITED AFTER CONSTRUCTION HAS BEEN COMPLETED TO VERIFY THAT NO MOVEMENT HAS OCCURRED. IF MONUMENTS ARE NOT REFERENCED PRIOR TO CONSTRUCTION, THE CITY WILL CHARGE A MINIMUM FEE OF \$10,000 A PIECE TO THE CONTRACTOR FOR REESTABLISHING THE MONUMENT.
- PRIOR TO ABANDONING OR REMOVING EXISTING SEWER FACILITIES, CONTRACTOR SHALL VERIFY THAT THERE ARE NO ACTIVE CONNECTIONS TO THESE FACILITIES. CONTRACTOR SHALL NOTIFY CITY REPRESENTATIVE IMMEDIATELY OF ANY DISCREPANCIES.
- RIM ELEVATIONS OF PROPOSED SEWER MANHOLES SHALL CONFORM TO FINISHED SITE ELEVATIONS.
- SIDE SEWER SHALL BE CONNECTED TO THE MAIN AT OR ABOVE THE SPRING LINE UNLESS OTHERWISE DIRECTED BY THE CITY REPRESENTATIVE.
- SIDE SEWER TO BE REPLACED SHALL BE CONSTRUCTED ALONG THE SHORTEST DISTANCE FROM CURB TO MAIN SEWER WHERE POSSIBLE, UNLESS OTHERWISE NOTED.



**DETAIL NOTES:**

- WRAP AASHTO M288, CLASS 2, NON-WOVEN GEOTEXTILE FABRIC AROUND CRUSHED ROCK BEDDING, 1-FOOT MIN OVERLAP.
- WELL GRADED CRUSHED ROCK BEDDING WITH 100% PASSING THE 1" SIEVE, MIN 90% PASSING THE 3/4" SIEVE & WITH MAX 5% PASSING THE #4 SIEVE. THE FINES PASSING THE NO. 200 SHALL BE NON-PLASTIC.
- DETECTABLE WARNING TAPE SHALL BE 6" WIDE, 5 MIL THICKNESS GREEN METALLIC WARNING TAPE WITH WORDS "CAUTION: BURIED SEWER," AND CENTERED OVER AND PLACED 12" ABOVE THE TOP OF PIPE.

**BEDDING DETAIL FOR RIGID PIPE**



**DETAIL NOTES:**

- PRIOR TO INSTALLING PIPES, PROVIDE "BELL HOLE" TO AVOID RESTING OF BELL ON BEDDING OR FOUNDATION. AFTER CONNECTING PIPES, FILL BELL HOLE WITH BEDDING BUT IT DOES NOT NEED TO BE COMPACTED.
- BEDDING IN THIS AREA SHALL BE PLACED IN TWO LAYERS. AFTER 1ST LAYER IS PLACED, COMPACT BEDDING IN HAUNCH AREA BY SHOVEL SLICE METHOD EXCEPT AT THE "BELL HOLE" AREA.

**PIPE INSTALLATION**

**CONTRACT NO. WW-662**

CITY AND COUNTY OF SAN FRANCISCO  
**PUBLIC UTILITIES COMMISSION**  
INFRASTRUCTURE DIVISION  
ENGINEERING MANAGEMENT BUREAU

OCEAN BEACH LONG TERM IMPROVEMENT PROJECT

**LEGEND, ABBREVIATIONS,  
GENERAL NOTES AND DETAILS  
FOR SEWER WORK**

CITY AND COUNTY OF SAN FRANCISCO  
**SAN FRANCISCO PUBLIC WORKS**  
BUREAU OF ENGINEERING

SECTION MANAGER L.WONG	DRAWN AK/ V.CHEUNG	04/2023
DEPUTY BUREAU MANAGER F.CISNEROS	DESIGNED CW/ C.HOM	04/2023
ACTING BUREAU MANAGER I.DHAPA	CHECKED W.LEE	04/2023

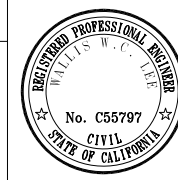
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SECTION MANAGER	DESIGNED	DATE

APPROVED	APPROVED

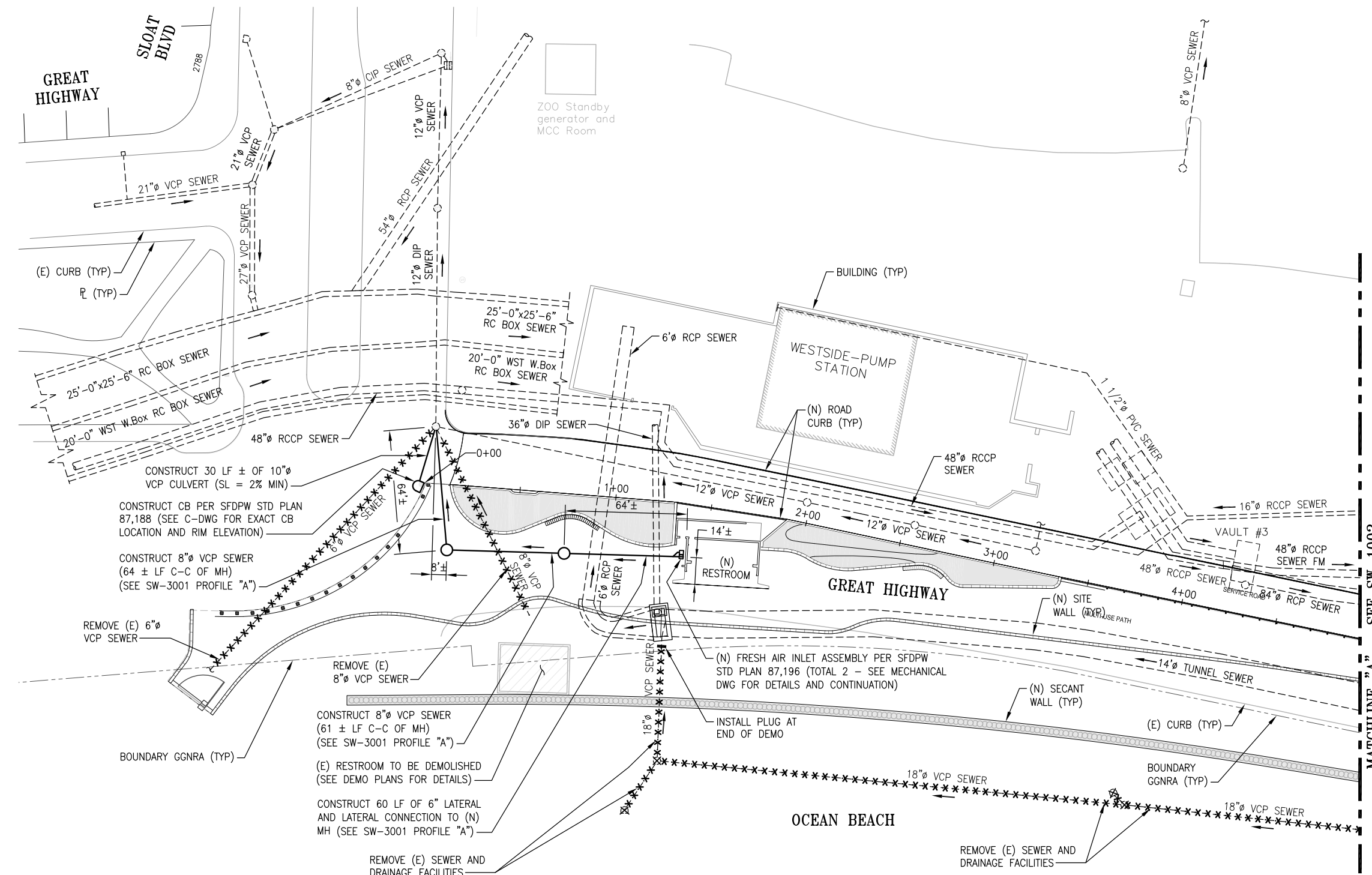
MANAGER, ENGINEERING MANAGEMENT BUREAU ASSISTANT GENERAL MANAGER  
WASTE WATER ENTERPRISE

NO.	DATE	DESCRIPTION	BY	APPR'D
REVISIONS				

SHEET	PLAN NO.	DRAWING / FILE NO.	REVISION NO.
OF	<b>SW-0001</b>		<b>0</b>

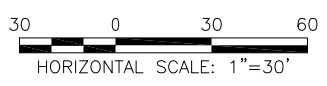


**95% SUBMITTAL  
NOT FOR CONSTRUCTION USE**



**NOTE:**  
 1. THIS SHEET IS FOR SEWER AND DRAINAGE WORK ONLY. SEE L-DWGS AND C-DWGS FOR SITE AND GRADING PLANS. EXISTING UTILITIES SHOWN ON THIS SHEET ARE SEWER/DRAINAGE INFRASTRUCTURE ONLY.

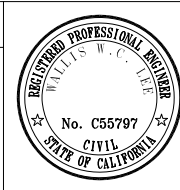
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SF-VD13	APPROVED BY N.B.



**PLAN**  
 SCALE: 1"=30'

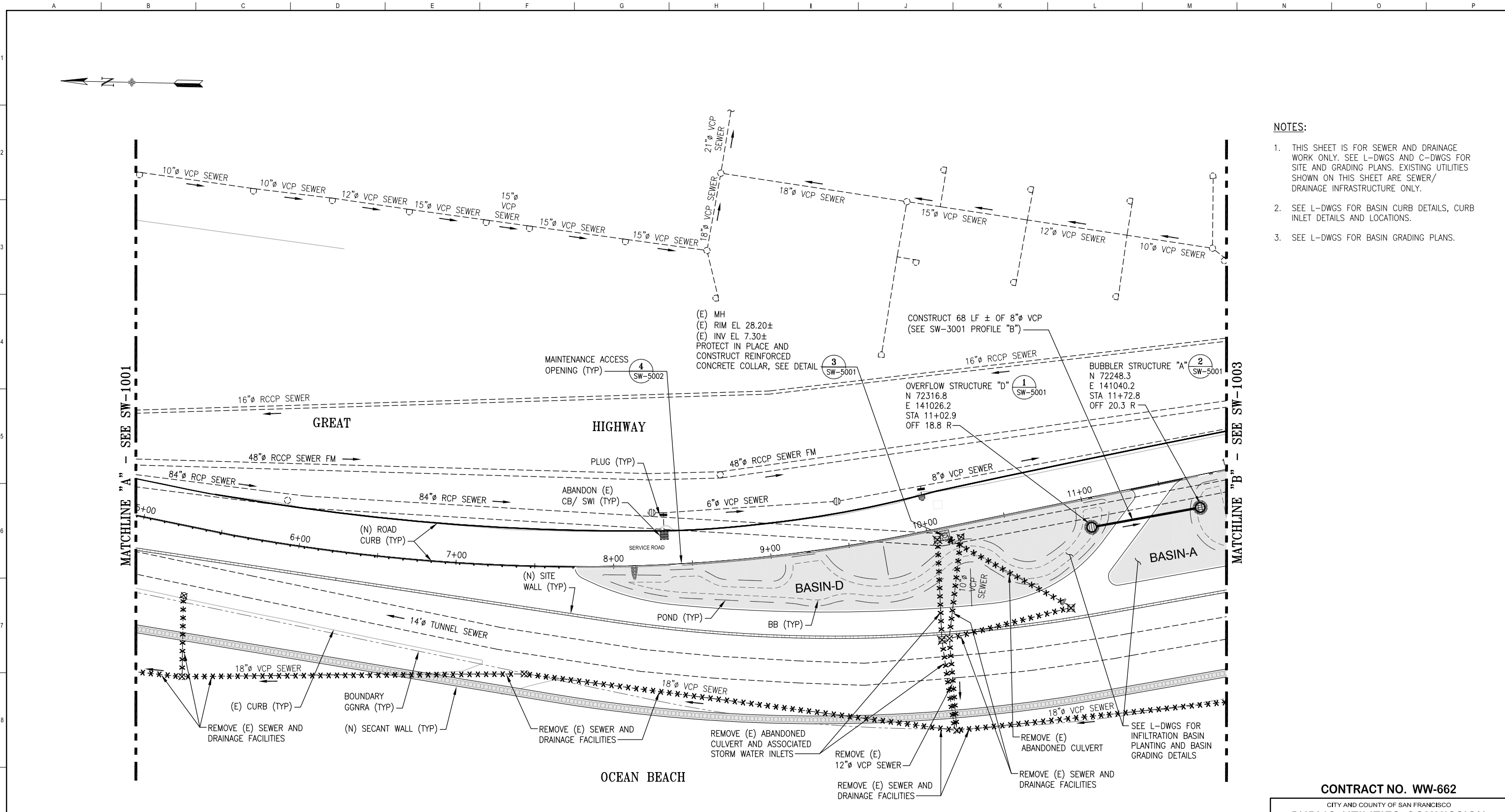
**95% SUBMITTAL**  
 NOT FOR CONSTRUCTION USE

REFERENCE INFORMATION & FILE NO. OF SURVEYS



CITY AND COUNTY OF SAN FRANCISCO	
<b>SAN FRANCISCO PUBLIC WORKS</b>	
BUREAU OF ENGINEERING	
SECTION MANAGER L.WONG	DRAWN AK/ V.CHEUNG 04/2023
DEPUTY BUREAU MANAGER F.CISNEROS	DESIGNED CW/ C.HOM 04/2023
ACTING BUREAU MANAGER I.DHAPA	CHECKED W.LEE 04/2023
NO. DATE DESCRIPTION BY APPR'D	
REVISIONS	

CONTRACT NO. WW-662		
CITY AND COUNTY OF SAN FRANCISCO <b>PUBLIC UTILITIES COMMISSION</b> INFRASTRUCTURE DIVISION ENGINEERING MANAGEMENT BUREAU		
OCEAN BEACH LONG TERM IMPROVEMENT PROJECT		
GREAT HIGHWAY SLOAT BOULEVARD TO MATCHLINE "A" <b>PLAN</b>		
CHECKED / APPROVED	DRAWN	SCALE
SECTION MANAGER	DESIGNED	DATE
APPROVED	APPROVED	
MANAGER, ENGINEERING MANAGEMENT BUREAU		ASSISTANT GENERAL MANAGER WASTE WATER ENTERPRISE
SHEET OF	PLAN NO. <b>SW-1001</b>	DRAWING / FILE NO. <b>0</b>



- NOTES:**
1. THIS SHEET IS FOR SEWER AND DRAINAGE WORK ONLY. SEE L-DWGS AND C-DWGS FOR SITE AND GRADING PLANS. EXISTING UTILITIES SHOWN ON THIS SHEET ARE SEWER/ DRAINAGE INFRASTRUCTURE ONLY.
  2. SEE L-DWGS FOR BASIN CURB DETAILS, CURB INLET DETAILS AND LOCATIONS.
  3. SEE L-DWGS FOR BASIN GRADING PLANS.

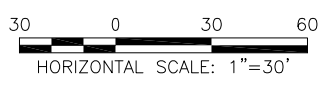
**PLAN**  
SCALE: 1"=30'

**CONTRACT NO. WW-662**  
CITY AND COUNTY OF SAN FRANCISCO  
**PUBLIC UTILITIES COMMISSION**  
INFRASTRUCTURE DIVISION  
ENGINEERING MANAGEMENT BUREAU

**OCEAN BEACH LONG TERM IMPROVEMENT PROJECT**  
**GREAT HIGHWAY**  
**MATCHLINE "A" TO MATCHLINE "B"**  
**PLAN**

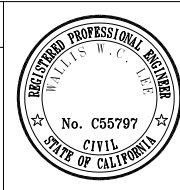
ELEVATION DATUM  
SF-VD13

SEWER SIZED BY  
B.A.  
APPROVED BY  
N.B.



**95% SUBMITTAL**  
**NOT FOR CONSTRUCTION USE**

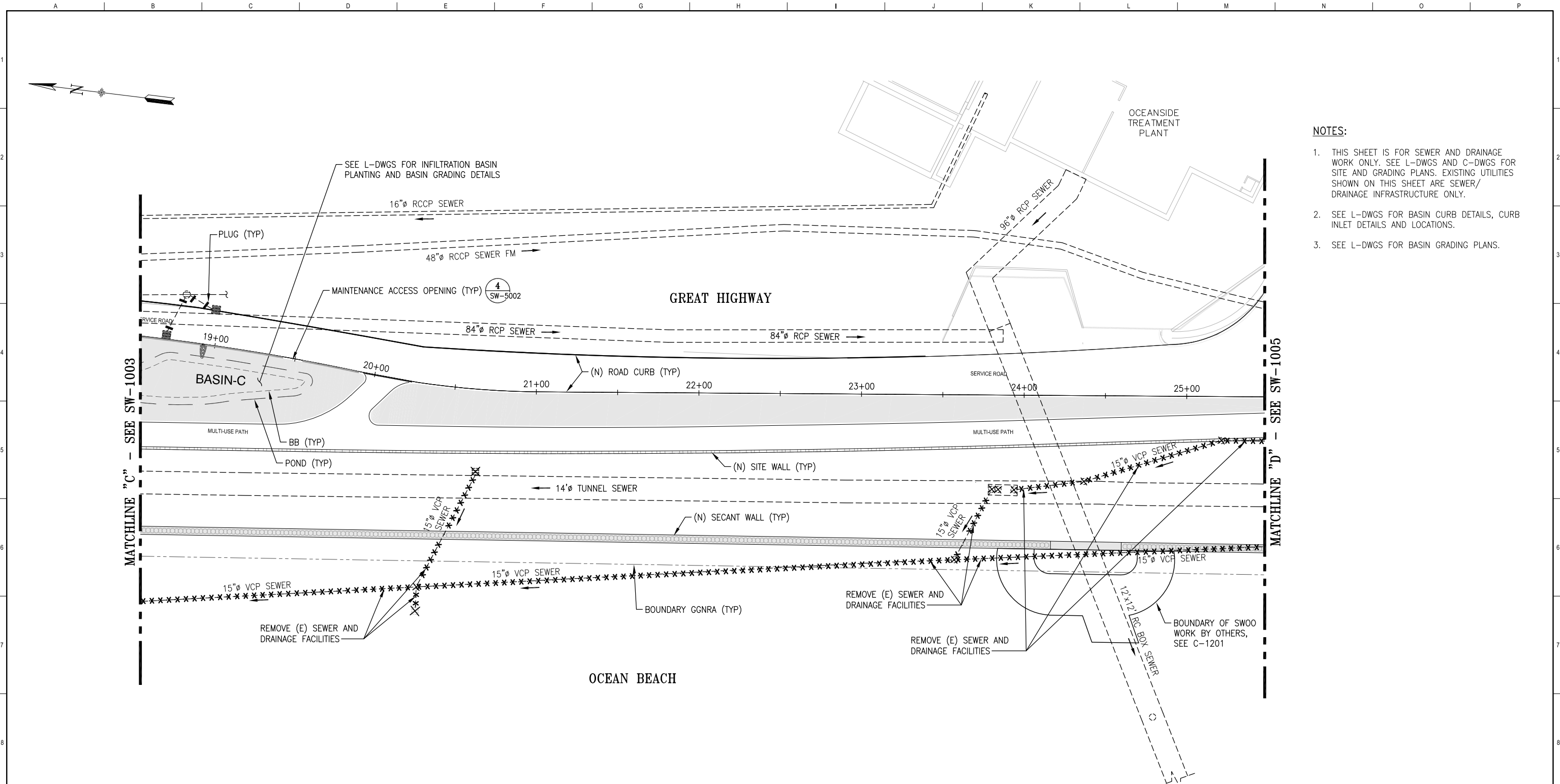
REFERENCE INFORMATION & FILE NO. OF SURVEYS



CITY AND COUNTY OF SAN FRANCISCO	
<b>SAN FRANCISCO PUBLIC WORKS</b>	
BUREAU OF ENGINEERING	
SECTION MANAGER L. WONG	DRAWN AK/ V. CHEUNG 04/2023
DEPUTY BUREAU MANAGER F. CISNEROS	DESIGNED CW/ C. HOM 04/2023
ACTING BUREAU MANAGER I. DHAPA	CHECKED W. LEE 04/2023
NO. DATE DESCRIPTION BY APPR'D	
REVISIONS	

CHECKED / APPROVED	DRAWN	SCALE
SECTION MANAGER	DESIGNED	DATE
APPROVED	APPROVED	
MANAGER, ENGINEERING MANAGEMENT BUREAU	ASSISTANT GENERAL MANAGER WASTE WATER ENTERPRISE	
SHEET OF	PLAN NO. <b>SW-1002</b>	DRAWING / FILE NO. <b>0</b>





- NOTES:**
1. THIS SHEET IS FOR SEWER AND DRAINAGE WORK ONLY. SEE L-DWGS AND C-DWGS FOR SITE AND GRADING PLANS. EXISTING UTILITIES SHOWN ON THIS SHEET ARE SEWER/ DRAINAGE INFRASTRUCTURE ONLY.
  2. SEE L-DWGS FOR BASIN CURB DETAILS, CURB INLET DETAILS AND LOCATIONS.
  3. SEE L-DWGS FOR BASIN GRADING PLANS.

**PLAN**  
SCALE: 1"=30'

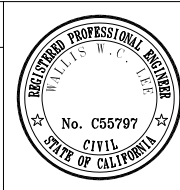
ELEVATION DATUM  
SF-VD13

SEWER SIZED BY  
B.A.  
APPROVED BY  
N.B.



**95% SUBMITTAL**  
**NOT FOR CONSTRUCTION USE**

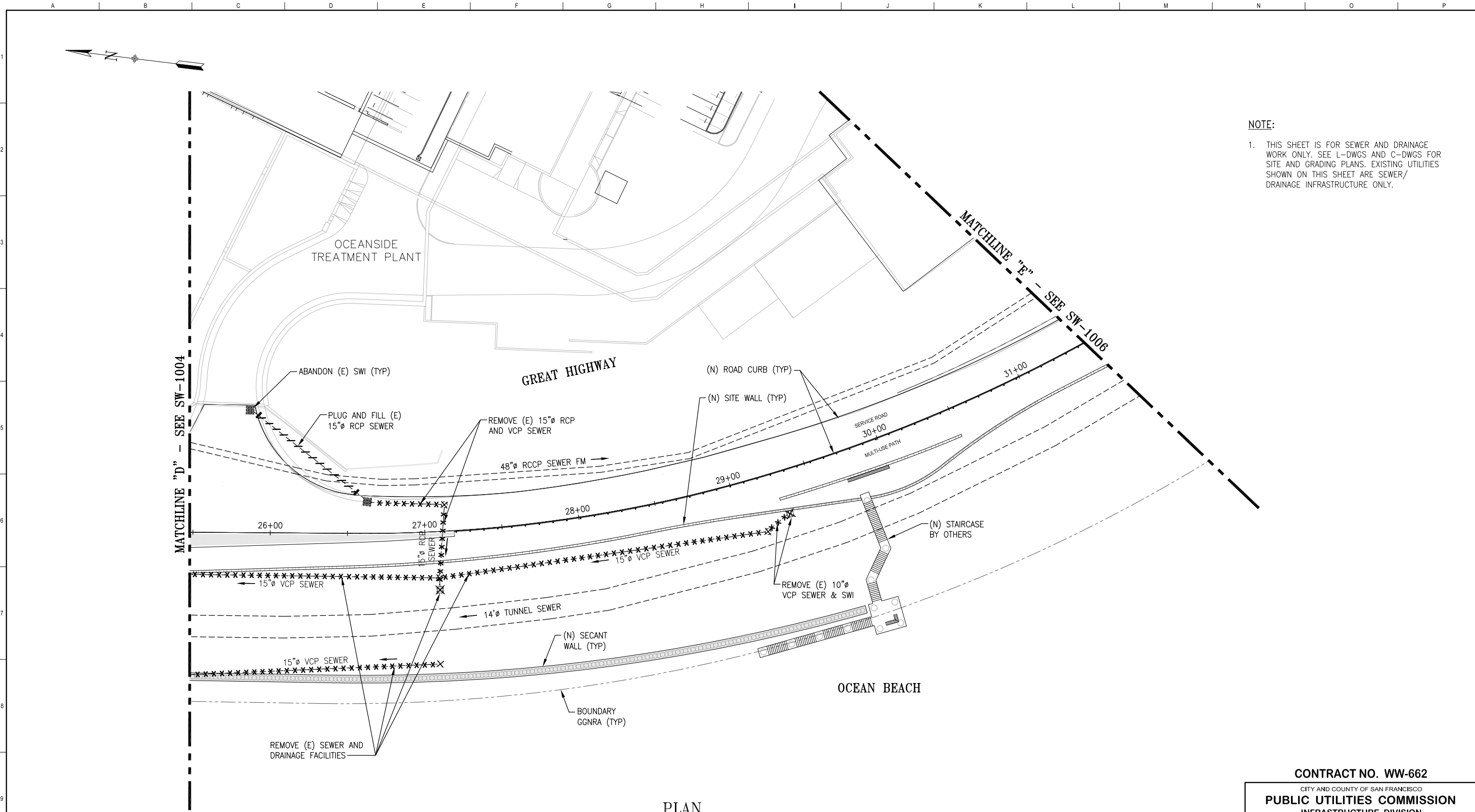
REFERENCE INFORMATION  
& FILE NO. OF SURVEYS



CITY AND COUNTY OF SAN FRANCISCO <b>SAN FRANCISCO PUBLIC WORKS</b> BUREAU OF ENGINEERING			
SECTION MANAGER L.WONG	DRAWN AK/ V.CHEUNG	DATE 04/2023	
DEPUTY BUREAU MANAGER F.CISNEROS	DESIGNED CW/ C.HOM	DATE 04/2023	
ACTING BUREAU MANAGER I.DHAPA	CHECKED W.LEE	DATE 04/2023	
REVISIONS			
NO.	DATE	DESCRIPTION	BY APPR'D

CONTRACT NO. WW-662		
CITY AND COUNTY OF SAN FRANCISCO <b>PUBLIC UTILITIES COMMISSION</b> INFRASTRUCTURE DIVISION ENGINEERING MANAGEMENT BUREAU		
OCEAN BEACH LONG TERM IMPROVEMENT PROJECT		
GREAT HIGHWAY MATCHLINE "C" TO MATCHLINE "D" PLAN		
CHECKED / APPROVED	DRAWN	SCALE
SECTION MANAGER	DESIGNED	DATE
APPROVED	APPROVED	
MANAGER, ENGINEERING MANAGEMENT BUREAU		ASSISTANT GENERAL MANAGER WASTE WATER ENTERPRISE
SHEET OF	PLAN NO. <b>SW-1004</b>	DRAWING / FILE NO. <b>0</b>

**NOTE:**  
 1. THIS SHEET IS FOR SEWER AND DRAINAGE WORK ONLY. SEE L-DWGS AND C-DWGS FOR SITE AND GRADING PLANS. EXISTING UTILITIES SHOWN ON THIS SHEET ARE SEWER/ DRAINAGE INFRASTRUCTURE ONLY.



**PLAN**  
 SCALE: 1"=30'

**CONTRACT NO. WW-662**  
 CITY AND COUNTY OF SAN FRANCISCO  
**PUBLIC UTILITIES COMMISSION**  
 INFRASTRUCTURE DIVISION  
 ENGINEERING MANAGEMENT BUREAU

**OCEAN BEACH LONG TERM IMPROVEMENT PROJECT**  
**GREAT HIGHWAY**  
**MATCHLINE "D" TO MATCHLINE "E"**  
**PLAN**

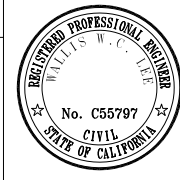
ELEVATION DATUM  
 SF-VD13

SEWER SIZED BY  
 B.A.  
 APPROVED BY  
 N.B.



**95% SUBMITTAL**  
**NOT FOR CONSTRUCTION USE**

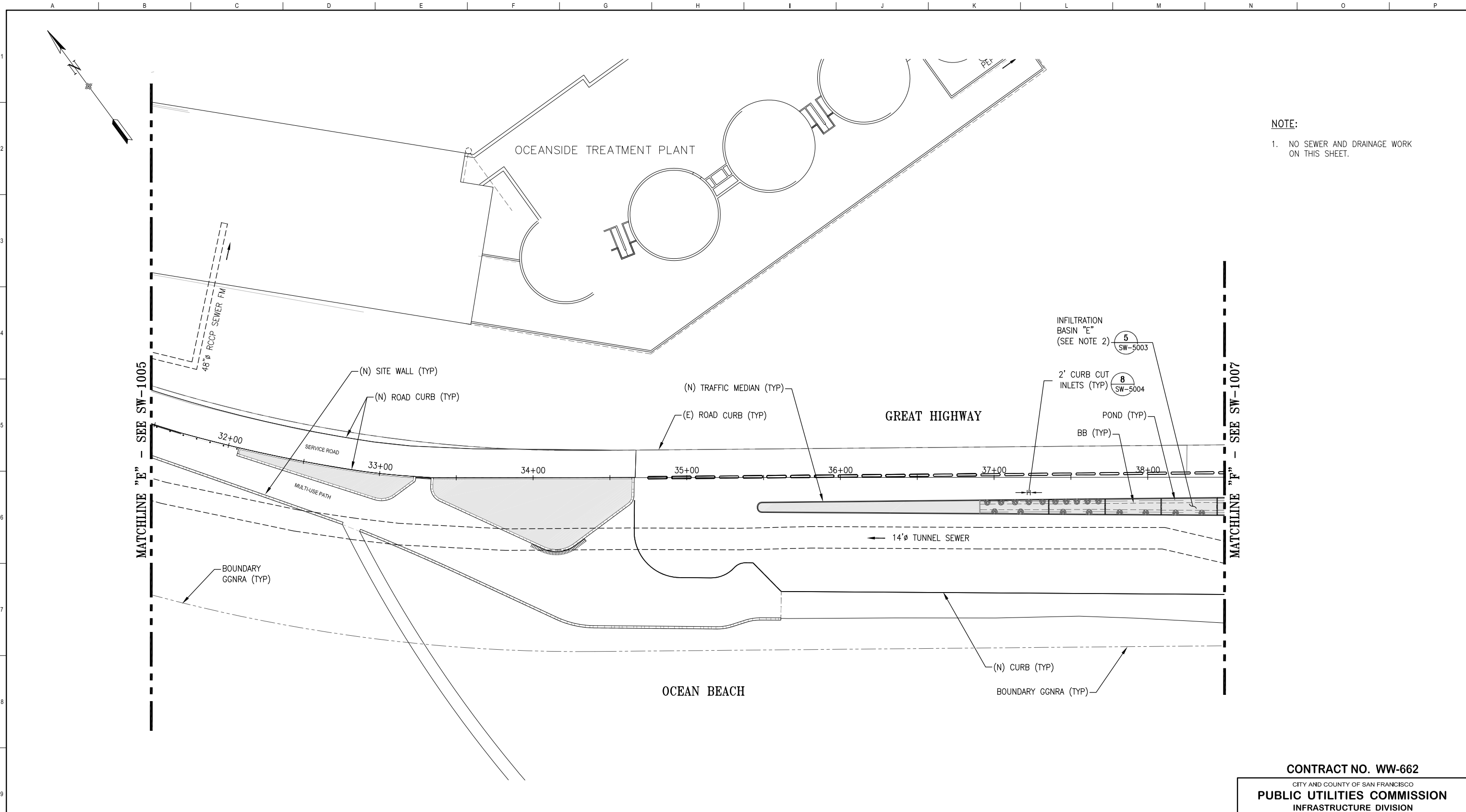
REFERENCE INFORMATION  
 & FILE NO. OF SURVEYS



CITY AND COUNTY OF SAN FRANCISCO	
<b>SAN FRANCISCO PUBLIC WORKS</b>	
BUREAU OF ENGINEERING	
SECTION MANAGER L. WONG	DRAWN AK/ V.CHEUNG 04/2023
DEPUTY BUREAU MANAGER F. CISNEROS	DESIGNED CW/ C.HOM 04/2023
ACTING BUREAU MANAGER I. DHAPA	CHECKED W.LEE 04/2023
NO. DATE DESCRIPTION BY APP'D	
REVISIONS	

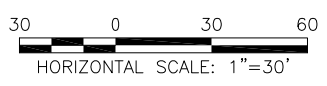
CHECKED / APPROVED	DRAWN	SCALE
SECTION MANAGER	DESIGNED	DATE
APPROVED	APPROVED	
MANAGER, ENGINEERING MANAGEMENT BUREAU	ASSISTANT GENERAL MANAGER WASTE WATER ENTERPRISE	
SHEET OF	PLAN NO. SW-1005	DRAWING / FILE NO. 0





**NOTE:**  
 1. NO SEWER AND DRAINAGE WORK ON THIS SHEET.

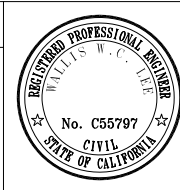
ELEVATION DATUM	SEWER SIZED BY B.A.
SF-VD13	APPROVED BY N.B.



**PLAN**  
 SCALE: 1"=30'

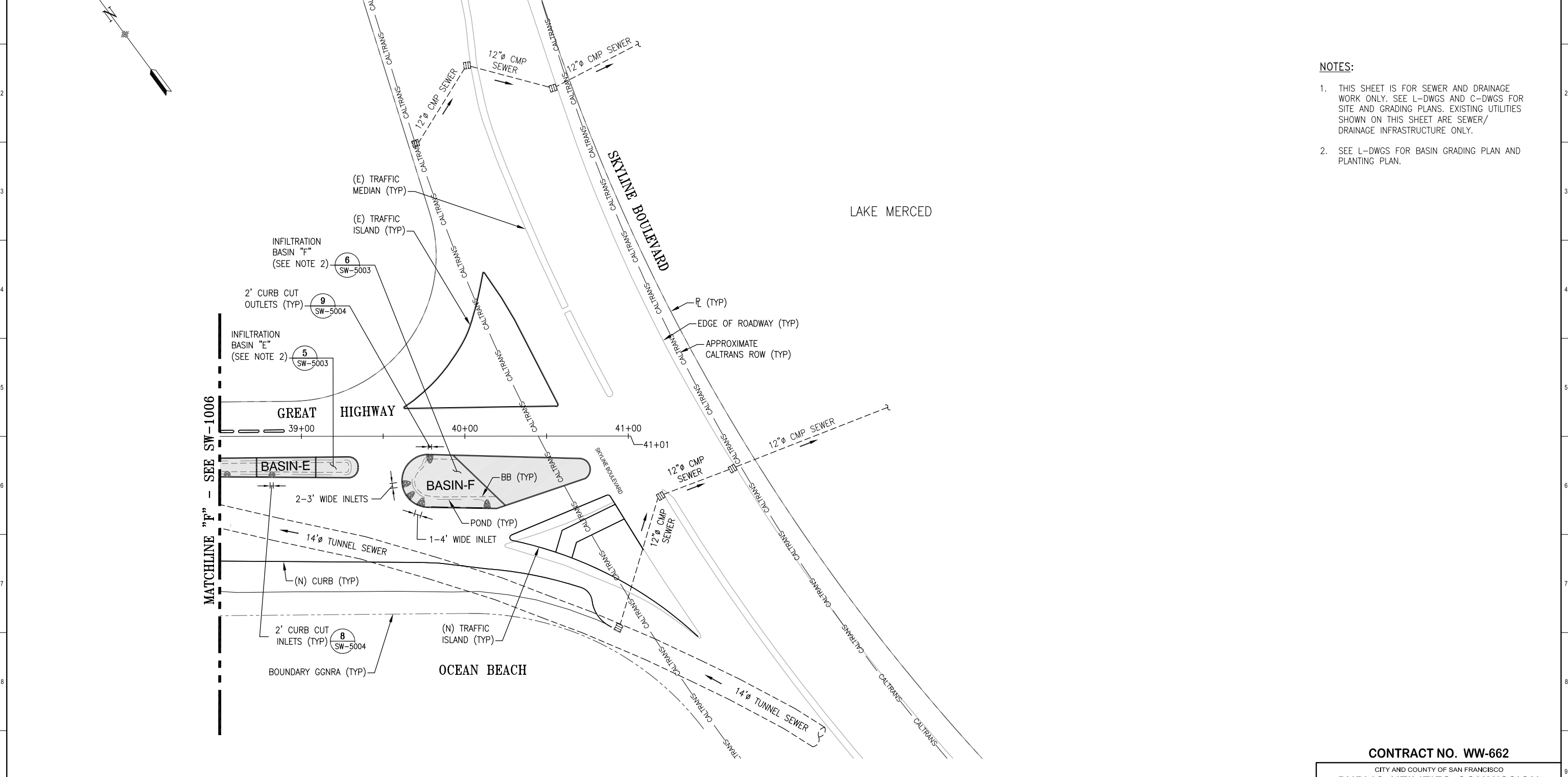
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REFERENCE INFORMATION & FILE NO. OF SURVEYS
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CITY AND COUNTY OF SAN FRANCISCO <b>SAN FRANCISCO PUBLIC WORKS</b> BUREAU OF ENGINEERING			
SECTION MANAGER L.WONG	DRAWN AK/ V.CHEUNG	DATE 04/2023	
DEPUTY BUREAU MANAGER F.CISNEROS	DESIGNED CW/ C.HOM	DATE 04/2023	
ACTING BUREAU MANAGER I.DHAPA	CHECKED W.LEE	DATE 04/2023	
REVISIONS			
NO.	DATE	DESCRIPTION	BY APPR'D

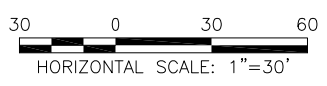
<b>CONTRACT NO. WW-662</b>			
CITY AND COUNTY OF SAN FRANCISCO <b>PUBLIC UTILITIES COMMISSION</b> INFRASTRUCTURE DIVISION ENGINEERING MANAGEMENT BUREAU			
OCEAN BEACH LONG TERM IMPROVEMENT PROJECT			
<b>GREAT HIGHWAY</b> MATCHLINE "E" TO MATCHLINE "F" <b>PLAN</b>			
CHECKED / APPROVED	DRAWN	SCALE	
SECTION MANAGER	DESIGNED	DATE	
APPROVED	APPROVED		
MANAGER, ENGINEERING MANAGEMENT BUREAU		ASSISTANT GENERAL MANAGER WASTE WATER ENTERPRISE	
SHEET OF	PLAN NO. <b>SW-1006</b>	DRAWING / FILE NO.	REVISION NO. <b>0</b>



- NOTES:**
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  - SEE L-DWGS FOR BASIN GRADING PLAN AND PLANTING PLAN.

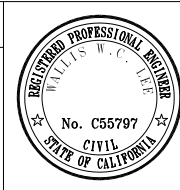
**PLAN**  
SCALE: 1"=30'

ELEVATION DATUM	SEWER SIZED BY B.A.
SF-VD13	APPROVED BY N.B.



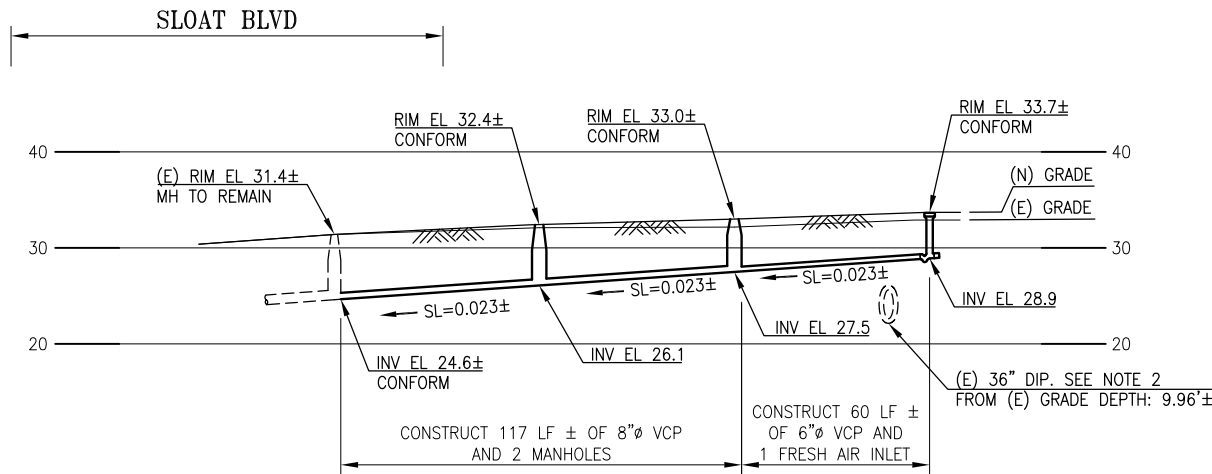
**95% SUBMITTAL**  
**NOT FOR CONSTRUCTION USE**

REFERENCE INFORMATION & FILE NO. OF SURVEYS



CITY AND COUNTY OF SAN FRANCISCO	
<b>SAN FRANCISCO PUBLIC WORKS</b>	
BUREAU OF ENGINEERING	
SECTION MANAGER L. WONG	DRAWN AK/ V. CHEUNG 04/2023
DEPUTY BUREAU MANAGER F. CISNEROS	DESIGNED CW/ C. HOM 04/2023
ACTING BUREAU MANAGER I. DHAPA	CHECKED W. LEE 04/2023
NO. DATE DESCRIPTION BY APPR'D	
REVISIONS	

<b>CONTRACT NO. WW-662</b>			
CITY AND COUNTY OF SAN FRANCISCO			
<b>PUBLIC UTILITIES COMMISSION</b>			
INFRASTRUCTURE DIVISION			
ENGINEERING MANAGEMENT BUREAU			
<b>OCEAN BEACH LONG TERM IMPROVEMENT PROJECT</b>			
<b>GREAT HIGHWAY</b>			
<b>MATCHLINE "F" TO SKYLINE BOULEVARD</b>			
<b>PLAN</b>			
CHECKED / APPROVED	DRAWN	SCALE	
SECTION MANAGER	DESIGNED	DATE	
APPROVED	APPROVED		
MANAGER, ENGINEERING MANAGEMENT BUREAU		ASSISTANT GENERAL MANAGER WASTE WATER ENTERPRISE	
SHEET OF	PLAN NO. <b>SW-1007</b>	DRAWING / FILE NO.	REVISION NO. <b>0</b>

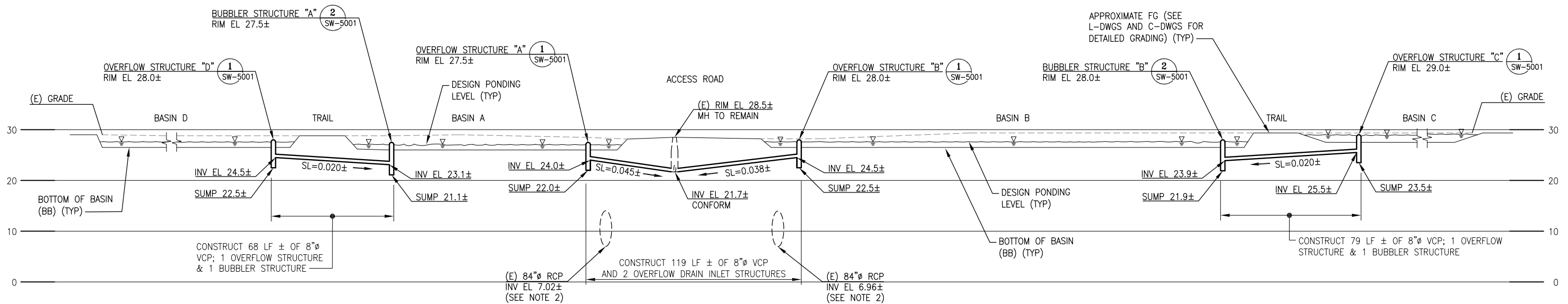


**PROFILE "A" NOTES:**

- SEE L-DWGS AND C-DWGS FOR PROPOSED GRADING OF THE PROJECT SITE. RIM ELEVATIONS OF PROPOSED SEWER MANHOLES SHALL CONFORM TO FINISHED SITE ELEVATIONS.
- PRIOR TO CONSTRUCTING NEW 6-INCH VCP, CONTRACTOR SHALL POTHOLE AND OBTAIN TOP OF PIPE ELEVATION OF THE EXISTING 36" DIP AND PROVIDE INFORMATION TO CITY REPRESENTATIVE TO ENSURE CLEARANCE. CLEARANCE BETWEEN OUTSIDE DIAMETER OF EXISTING AND PROPOSED ASSETS SHALL BE 12 INCHES MINIMUM.

**PROFILE "A", SEE SW-1001 FOR PLAN VIEW**

SCALE: HORIZ 1"=30'  
VERT 1"=10'



**PROFILE "B", SEE SW-1002 THRU SW-1004 FOR PLAN VIEWS**

SCALE: HORIZ 1"=30'  
VERT 1"=10'

**PROFILE "B" NOTES:**

- THE FINISHED GRADE SHOWN IS FOR CONCEPTUAL PURPOSES ONLY. SEE L-DWGS AND C-DWGS FOR DETAILED BASIN GRADING.
- SEE REFERENCE DRAWING TITLED "REFERENCE DRAWING - (E) 84" RCP SEWER". CLEARANCE BETWEEN OUTSIDE DIAMETER OF EXISTING AND PROPOSED ASSETS SHALL BE 12 INCHES MINIMUM. IF THERE ARE ANY CONFLICTS BETWEEN THE EXISTING 84" RCP AND THE INSTALLATION OF THE OVERFLOW STRUCTURES "A" AND "B" AND ASSOCIATED CONNECTIONS, CONTRACTOR SHALL NOTIFY THE CITY REPRESENTATIVE IMMEDIATELY.

**CONTRACT NO. WW-662**

CITY AND COUNTY OF SAN FRANCISCO  
**PUBLIC UTILITIES COMMISSION**  
INFRASTRUCTURE DIVISION  
ENGINEERING MANAGEMENT BUREAU

OCEAN BEACH LONG TERM IMPROVEMENT PROJECT

**GREAT HIGHWAY  
SEWER AND DRAINAGE  
PROFILES**

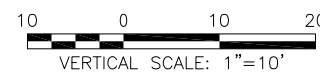
CITY AND COUNTY OF SAN FRANCISCO  
**SAN FRANCISCO PUBLIC WORKS**  
BUREAU OF ENGINEERING

SECTION MANAGER L.WONG	DRAWN AK/ V.CHEUNG	04/2023
DEPUTY BUREAU MANAGER F.CISNEROS	DESIGNED CW/ C.HOM	04/2023
ACTING BUREAU MANAGER I.DHAPA	CHECKED W.LEE	04/2023

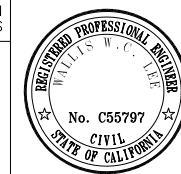
CHECKED / APPROVED	DRAWN	SCALE
SECTION MANAGER	DESIGNED	DATE
APPROVED	APPROVED	
MANAGER, ENGINEERING MANAGEMENT BUREAU	ASSISTANT GENERAL MANAGER WASTE WATER ENTERPRISE	
SHEET OF	PLAN NO. <b>SW-3001</b>	DRAWING / FILE NO. <b>0</b>

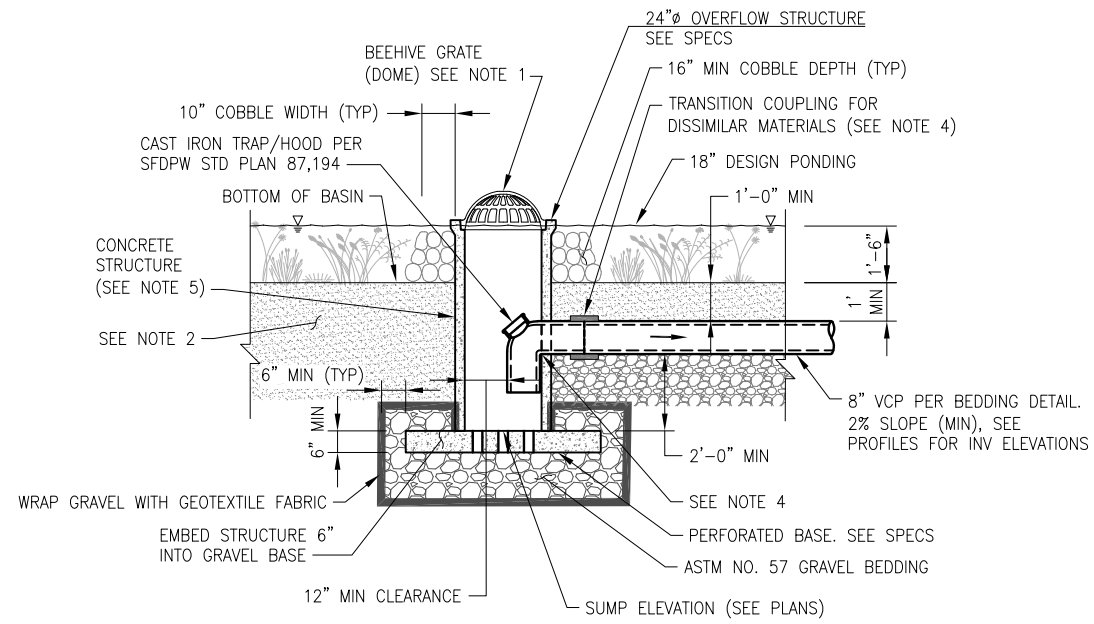
NO.	DATE	DESCRIPTION	BY	APPRD
REVISIONS				

ELEVATION DATUM SF-VD13	SEWER SIZED BY B.A. APPROVED BY N.B.
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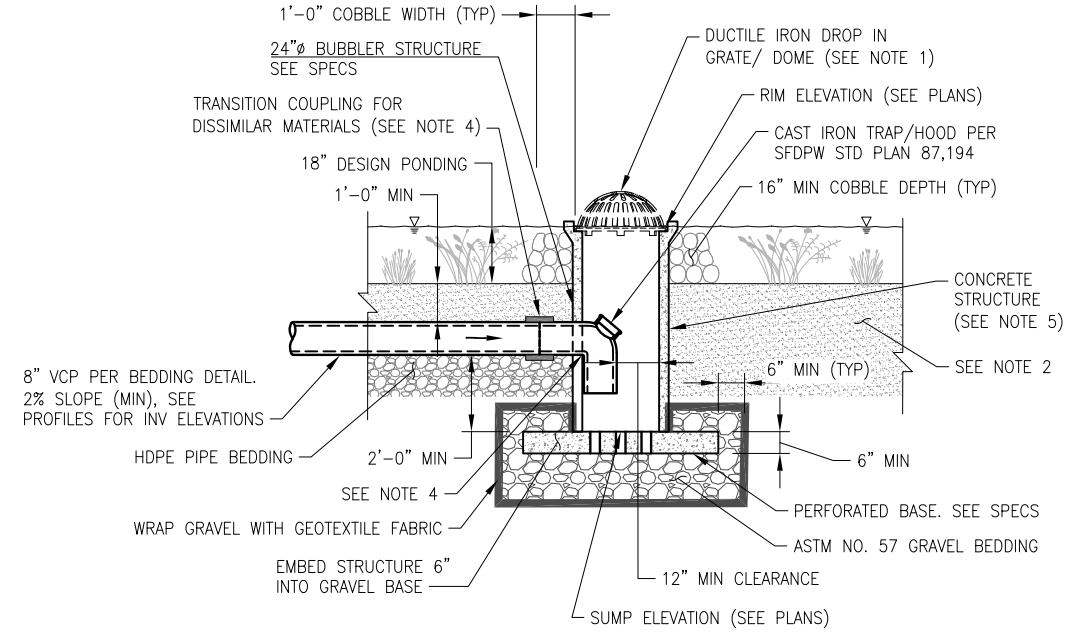


**DETAIL NOTES:**

1. SIZE OF ATRIUM GRATE SHALL MATCH SIZE OF RISER, SHALL BE REMOVABLE TO PROVIDE MAINTENANCE ACCESS, AND SHALL BE BOLTED IN PLACE OR OUTFITTED WITH APPROVED TAMPER-RESISTANT LOCKING MECHANISM. MAXIMUM GRATE OPENING SHALL BE 4 INCHES.
2. SEE L-DRAWINGS FOR GRADING AND CROSS SECTIONS.
3. COBBLE SIZE SHALL BE LARGER THAN GRATE OPENINGS.
4. CONTRACTOR SHALL PROVIDE CONNECTION DETAIL PER MANUFACTURER'S RECOMMENDATIONS AND SUBMIT TO CITY REPRESENTATIVE FOR APPROVAL. CONNECTION SHALL BE WATERTIGHT.
5. CONCRETE STRUCTURE SHALL BE PRE-CAST WITH REINFORCING STEEL PER MANUFACTURER'S RECOMMENDATIONS, OR CAST IN PLACE CONCRETE WITHOUT STEEL.

**OVERFLOW STRUCTURE**

SCALE: NONE

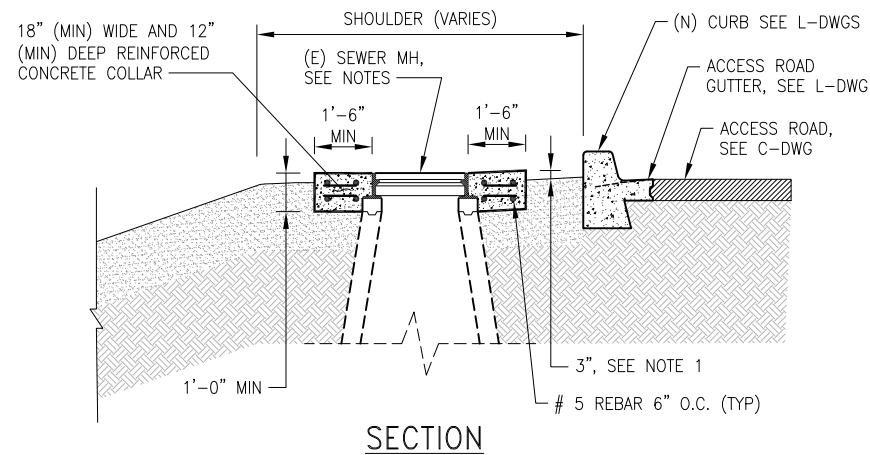
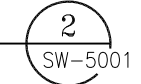


**DETAIL NOTES:**

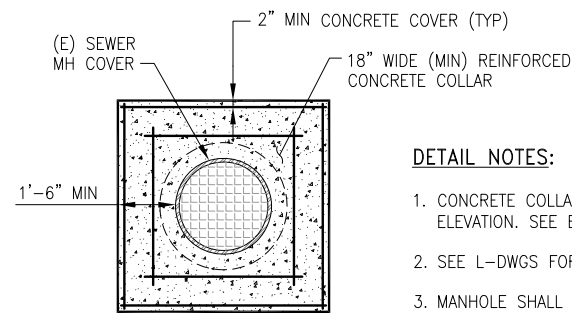
1. SIZE OF ATRIUM GRATE SHALL MATCH SIZE OF RISER, SHALL BE REMOVABLE TO PROVIDE MAINTENANCE ACCESS, AND SHALL BE BOLTED IN PLACE OR OUTFITTED WITH APPROVED TAMPER-RESISTANT LOCKING MECHANISM. MAXIMUM GRATE OPENING SHALL BE 4 INCHES.
2. SEE L-DRAWINGS FOR GRADING AND CROSS SECTIONS.
3. COBBLE SIZE SHALL BE LARGER THAN GRATE OPENINGS.
4. CONTRACTOR SHALL PROVIDE CONNECTION DETAIL PER MANUFACTURER'S RECOMMENDATIONS AND SUBMIT TO CITY REPRESENTATIVE FOR APPROVAL. CONNECTION SHALL BE WATERTIGHT.
5. CONCRETE STRUCTURE SHALL BE PRE-CAST WITH REINFORCING STEEL PER MANUFACTURER'S RECOMMENDATIONS, OR CAST IN PLACE CONCRETE WITHOUT STEEL.

**BUBBLER STRUCTURE**

SCALE: NONE



**SECTION**



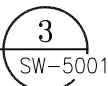
**PLAN**

**DETAIL NOTES:**

1. CONCRETE COLLAR SHALL BE 3" ABOVE THE FINISHED BASIN ELEVATION. SEE BASIN GRADING PLANS FOR DETAILED GRADING.
2. SEE L-DWGS FOR SPECIFIC CURB TYPE AND DETAILS.
3. MANHOLE SHALL BE ACCESSIBLE FOR MAINTENANCE. MANHOLE COVER AND CONCRETE COLLAR SHALL NOT BE COVERED WITH SAND OR LANDSCAPING.

**REINFORCED CONCRETE COLLAR FOR (E) MH**

SCALE: NONE



**CONTRACT NO. WW-662**

CITY AND COUNTY OF SAN FRANCISCO  
**PUBLIC UTILITIES COMMISSION**  
 INFRASTRUCTURE DIVISION  
 ENGINEERING MANAGEMENT BUREAU

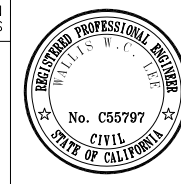
OCEAN BEACH LONG TERM IMPROVEMENT PROJECT

**SEWER AND DRAINAGE DETAILS**  
 (BASIN "A" - "D")

CITY AND COUNTY OF SAN FRANCISCO  
**SAN FRANCISCO PUBLIC WORKS**  
 BUREAU OF ENGINEERING

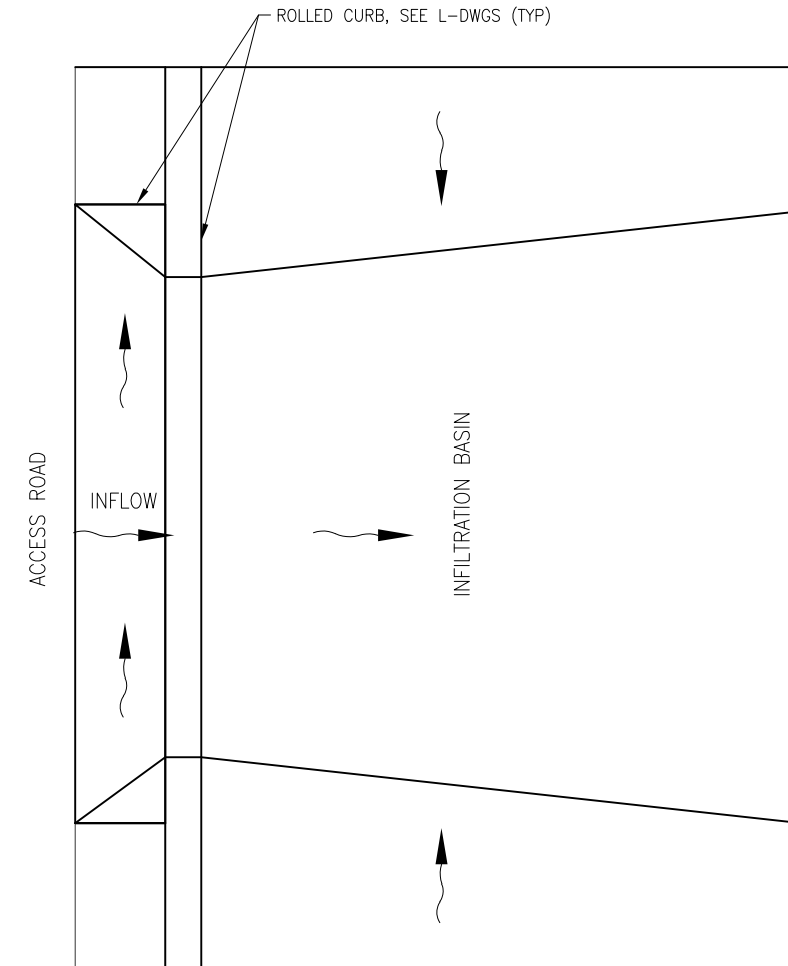
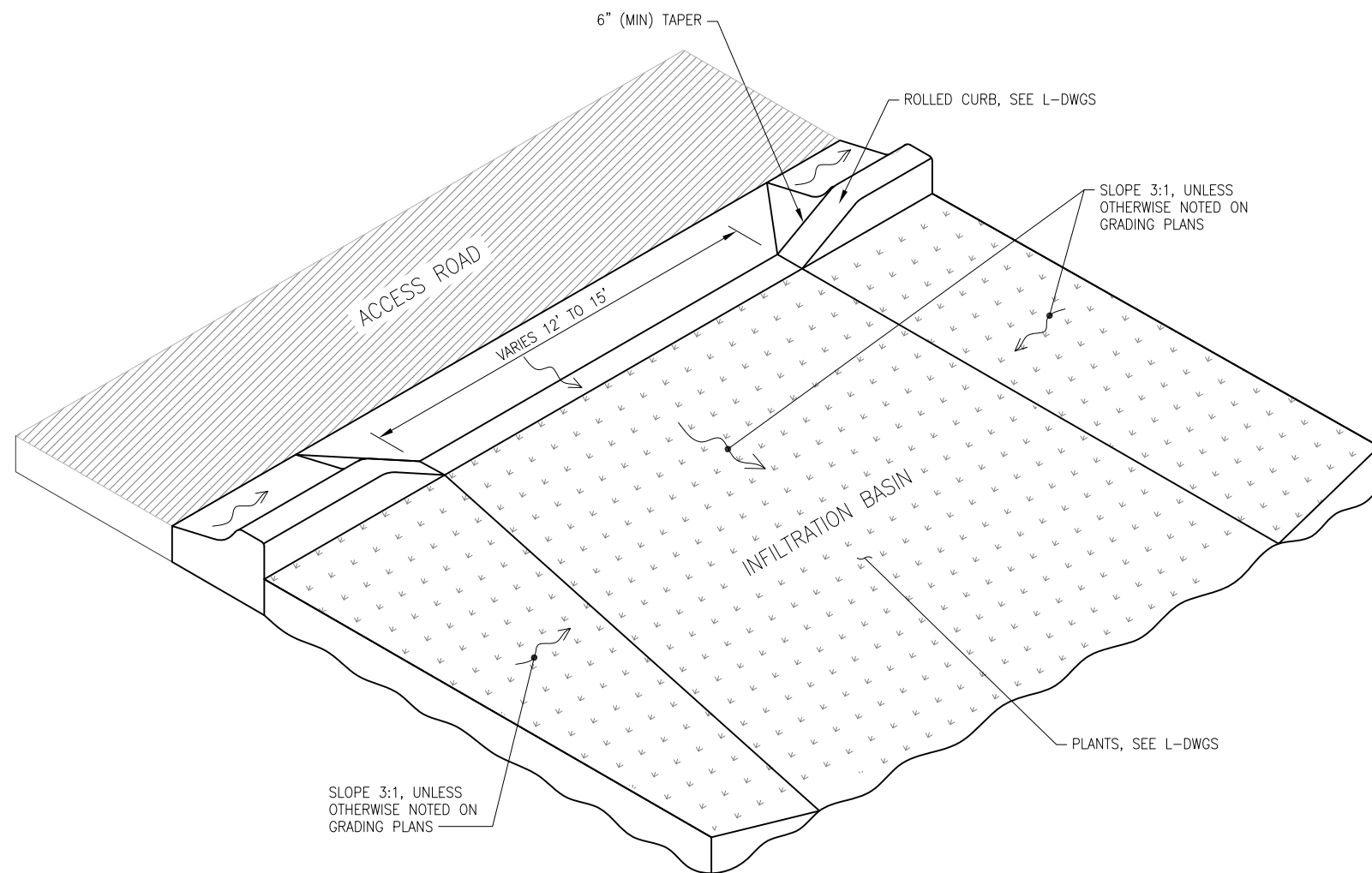
SECTION MANAGER L.WONG	DRAWN AK/ V.CHEUNG	04/2023
DEPUTY BUREAU MANAGER F.CISNEROS	DESIGNED CW/ C.HOM	04/2023
ACTING BUREAU MANAGER I.DHAPA	CHECKED W.LEE	04/2023

CHECKED / APPROVED	DRAWN	SCALE
		NONE
SECTION MANAGER	DESIGNED	DATE
APPROVED	APPROVED	
MANAGER, ENGINEERING MANAGEMENT BUREAU	ASSISTANT GENERAL MANAGER WASTE WATER ENTERPRISE	
SHEET	PLAN NO.	DRAWING / FILE NO.
OF	<b>SW-5001</b>	<b>0</b>



NO.	DATE	DESCRIPTION	BY	APPR'D
REVISIONS				

**95% SUBMITTAL**  
 NOT FOR CONSTRUCTION USE



**DETAIL NOTE:**

1. SEE L-DWGS FOR BASIN GRADING PLANS AND CROSS SECTIONS.  
SEE C-DWGS FOR ROADWAY GRADING.

**ISOMETRIC**

**PLAN**

**TYPICAL MAINTENANCE ACCESS OPENING**

SCALE: NONE

4  
SW-5002

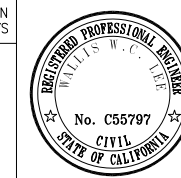
**CONTRACT NO. WW-662**

CITY AND COUNTY OF SAN FRANCISCO  
**PUBLIC UTILITIES COMMISSION**  
INFRASTRUCTURE DIVISION  
ENGINEERING MANAGEMENT BUREAU

OCEAN BEACH LONG TERM IMPROVEMENT PROJECT

**SEWER AND DRAINAGE DETAILS**  
(BASIN "A" - "D")

REFERENCE INFORMATION  
& FILE NO. OF SURVEYS



CITY AND COUNTY OF SAN FRANCISCO  
**SAN FRANCISCO PUBLIC WORKS**  
BUREAU OF ENGINEERING

SECTION MANAGER L.WONG	DRAWN AK/ V.CHEUNG	04/2023
DEPUTY BUREAU MANAGER F.CISNEROS	DESIGNED CW/ C.HOM	04/2023
ACTING BUREAU MANAGER I.DHAPA	CHECKED W.LEE	04/2023

CHECKED / APPROVED	DRAWN	SCALE
		NONE
SECTION MANAGER	DESIGNED	DATE

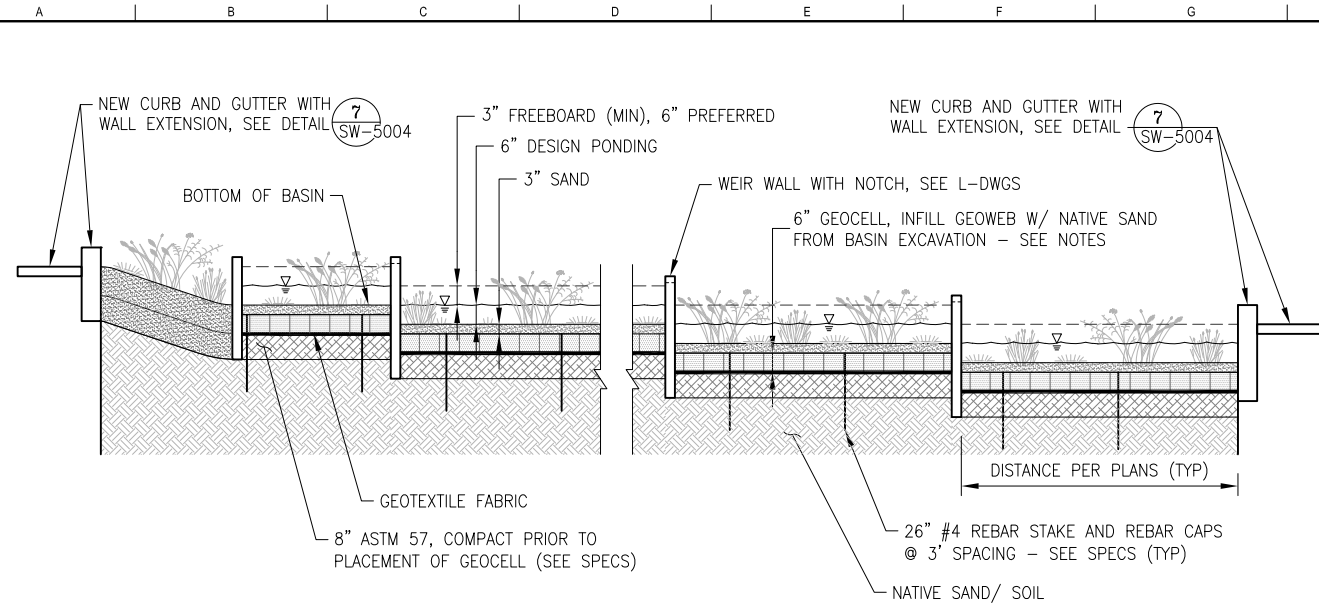
APPROVED	APPROVED

MANAGER, ENGINEERING MANAGEMENT BUREAU	ASSISTANT GENERAL MANAGER WASTE WATER ENTERPRISE

NO.	DATE	DESCRIPTION	BY	APPRD
REVISIONS				

SHEET	PLAN NO.	DRAWING / FILE NO.	REVISION NO.
OF	<b>SW-5002</b>		<b>0</b>

**95% SUBMITTAL**  
**NOT FOR CONSTRUCTION USE**



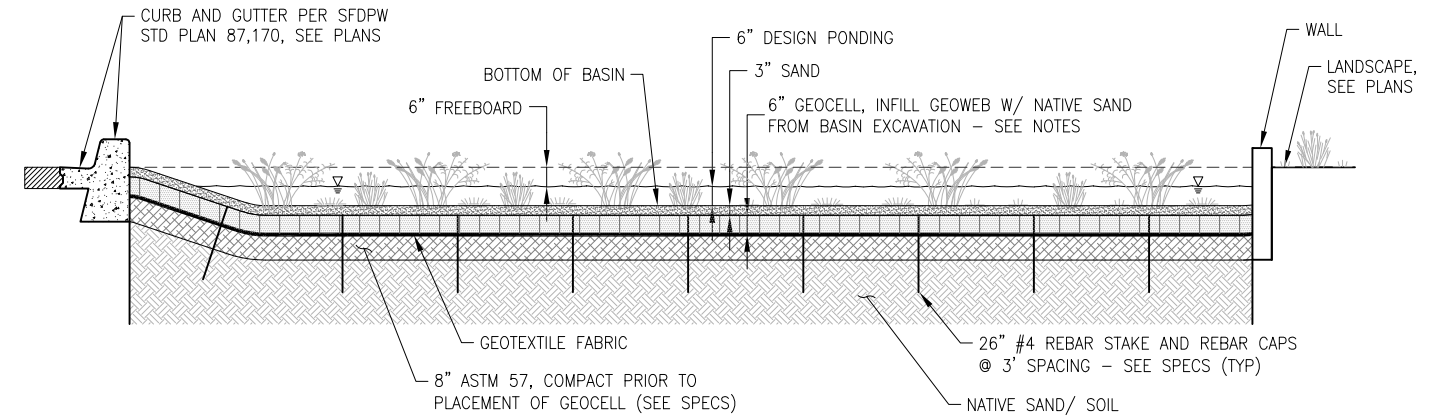
**DETAIL NOTES:**

1. SAND USED FOR GEOWEB INFILL SHALL BE FREE OF DEBRIS, ROCKS OVER 1/2", TRASH AND ORGANIC MATERIAL.
2. SEE L-DWGS FOR BASIN GRADING AND WEIR ELEVATIONS

**TYPICAL SECTION INFILTRATION (BASIN "E")**

SCALE: NONE

5  
SW-5003



**DETAIL NOTES:**

1. SAND USED FOR GEOWEB INFILL SHALL BE FREE OF DEBRIS, ROCKS OVER 1/2", TRASH AND ORGANIC MATERIAL.
2. SEE L-DWGS FOR BASIN GRADING.

**TYPICAL SECTION INFILTRATION (BASIN "F")**

SCALE: NONE

6  
SW-5003

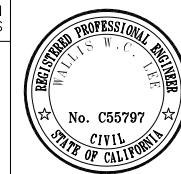
**CONTRACT NO. WW-662**

CITY AND COUNTY OF SAN FRANCISCO  
**PUBLIC UTILITIES COMMISSION**  
INFRASTRUCTURE DIVISION  
ENGINEERING MANAGEMENT BUREAU

OCEAN BEACH LONG TERM IMPROVEMENT PROJECT

**SEWER AND DRAINAGE DETAILS**  
(BASIN "E" - "F")

REFERENCE INFORMATION  
& FILE NO. OF SURVEYS



CITY AND COUNTY OF SAN FRANCISCO  
**SAN FRANCISCO PUBLIC WORKS**  
BUREAU OF ENGINEERING

SECTION MANAGER L.WONG	DRAWN AK/ V.CHEUNG	04/2023
DEPUTY BUREAU MANAGER F.CISNEROS	DESIGNED CW/ C.HOM	04/2023
ACTING BUREAU MANAGER I.DHAPA	CHECKED W.LEE	04/2023

NO.	DATE	DESCRIPTION	BY	APPRD
REVISIONS				

CHECKED / APPROVED	DRAWN	SCALE
SECTION MANAGER	DESIGNED	DATE
APPROVED	APPROVED	
MANAGER, ENGINEERING MANAGEMENT BUREAU		ASSISTANT GENERAL MANAGER WASTE WATER ENTERPRISE
SHEET	PLAN NO.	DRAWING / FILE NO.
OF	<b>SW-5003</b>	<b>0</b>

95% SUBMITTAL  
NOT FOR CONSTRUCTION USE

CURB AND GUTTER PER SFDPW STD PLAN 87,170 WITH MONOLITHIC WALL EXTENSION

AC AND CONCRETE BASE PER C-DWGS

CURB CUT

KEY (TYP)

#4 @ 12" O.C. (VERT) @ CL

#4 @ 12" O.C. (HOR), (3) MIN

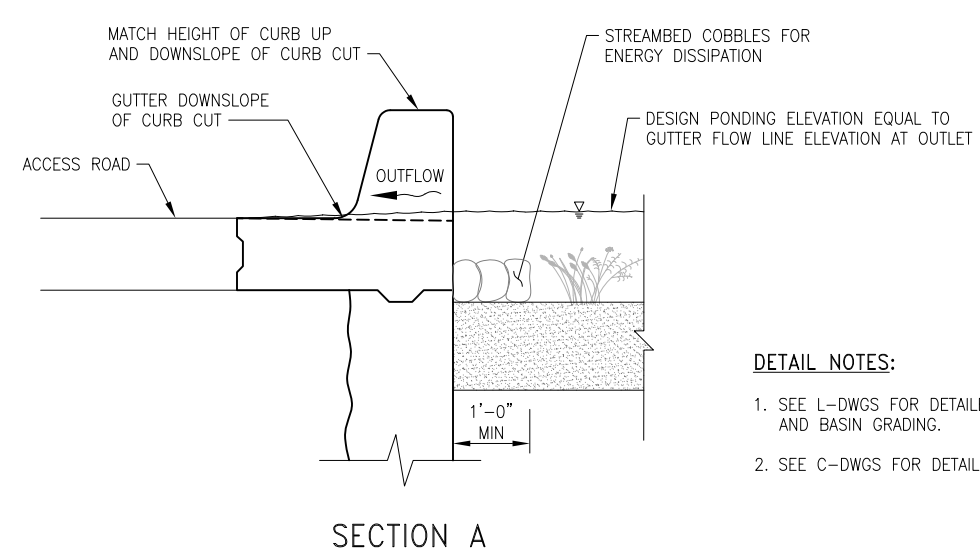
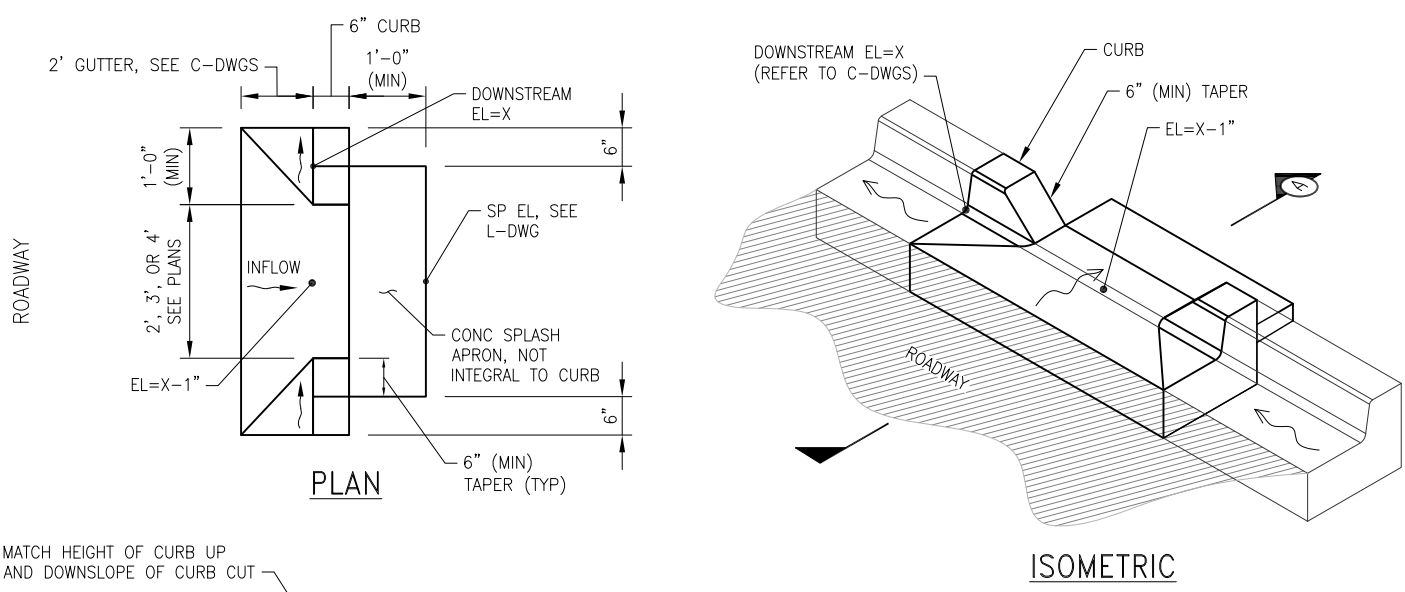
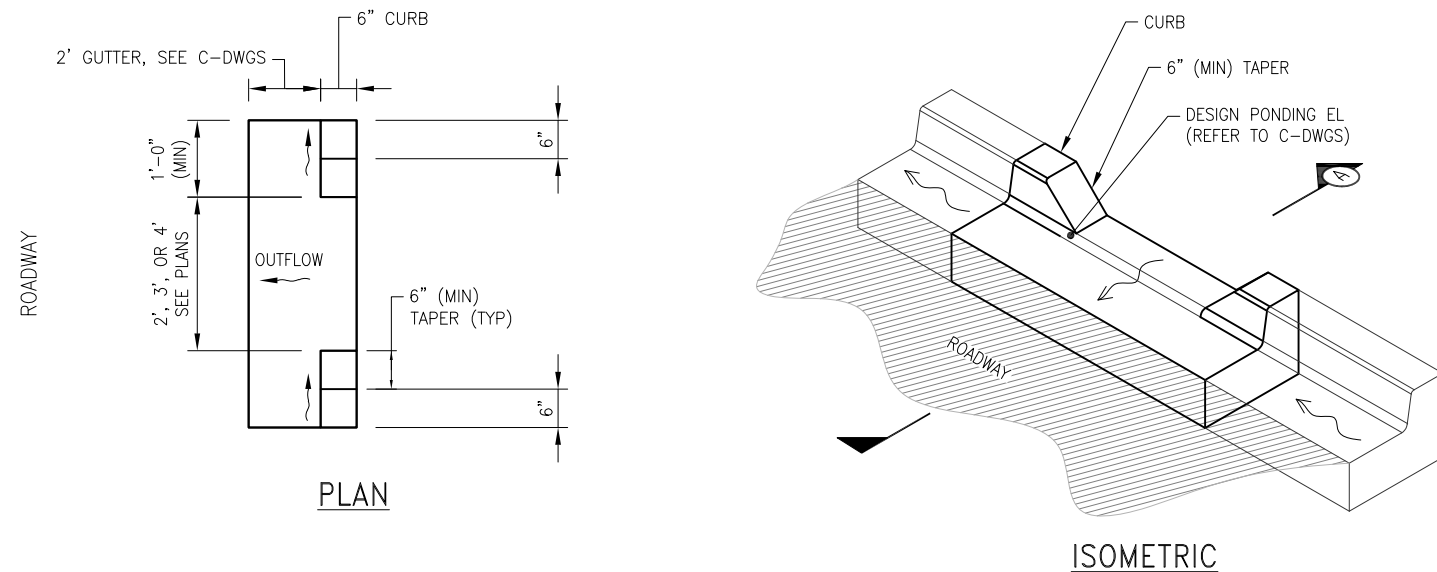
WALL EXTENSION TO BOTTOM OF ASTM 57

**TYPICAL CURB AND GUTTER WITH WALL EXTENSION**

SCALE: NONE

7

SW-5004



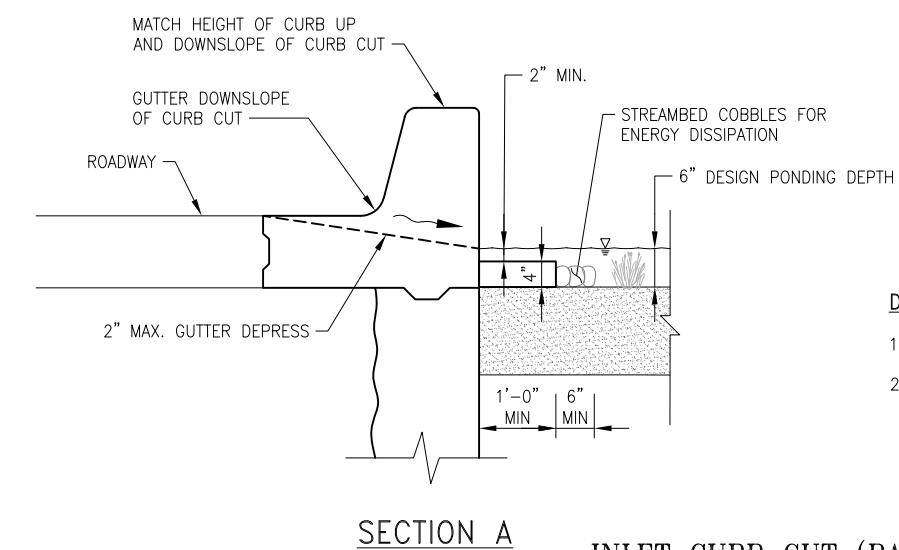
- DETAIL NOTES:**
1. SEE L-DWGS FOR DETAILED COBBLE PLACEMENT AND BASIN GRADING.
  2. SEE C-DWGS FOR DETAILED SITE GRADING.

**OUTLET CURB CUT (BASIN "E" - "F")**

SCALE: NONE

9

SW-5004



- DETAIL NOTES:**
1. SEE L-DWGS FOR DETAILED COBBLE PLACEMENT AND BASIN GRADING.
  2. SEE C-DWGS FOR DETAILED SITE GRADING.

**INLET CURB CUT (BASIN "E" - "F")**

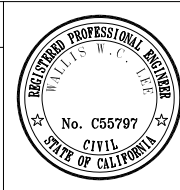
SCALE: NONE

8

SW-5004

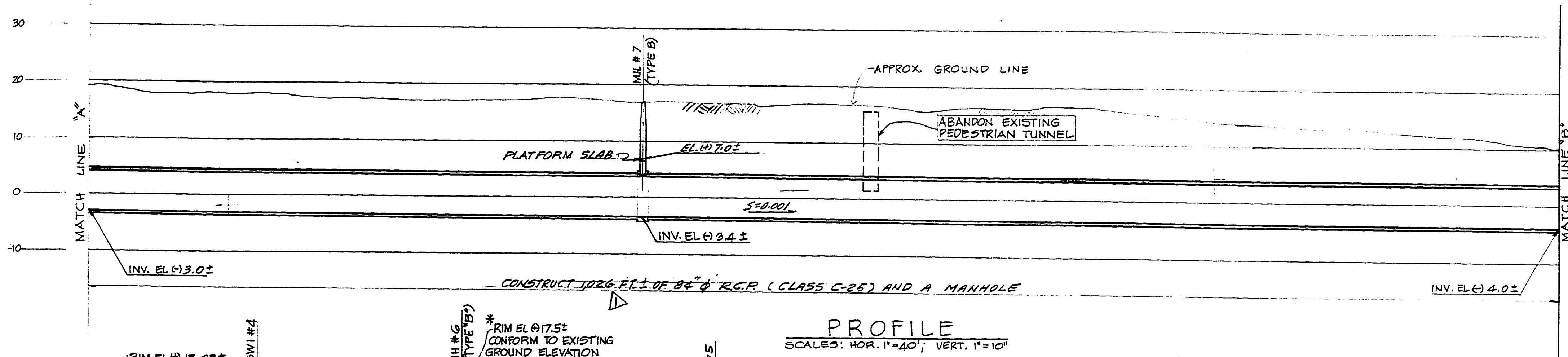
95% SUBMITTAL  
NOT FOR CONSTRUCTION USE

REFERENCE INFORMATION & FILE NO. OF SURVEYS

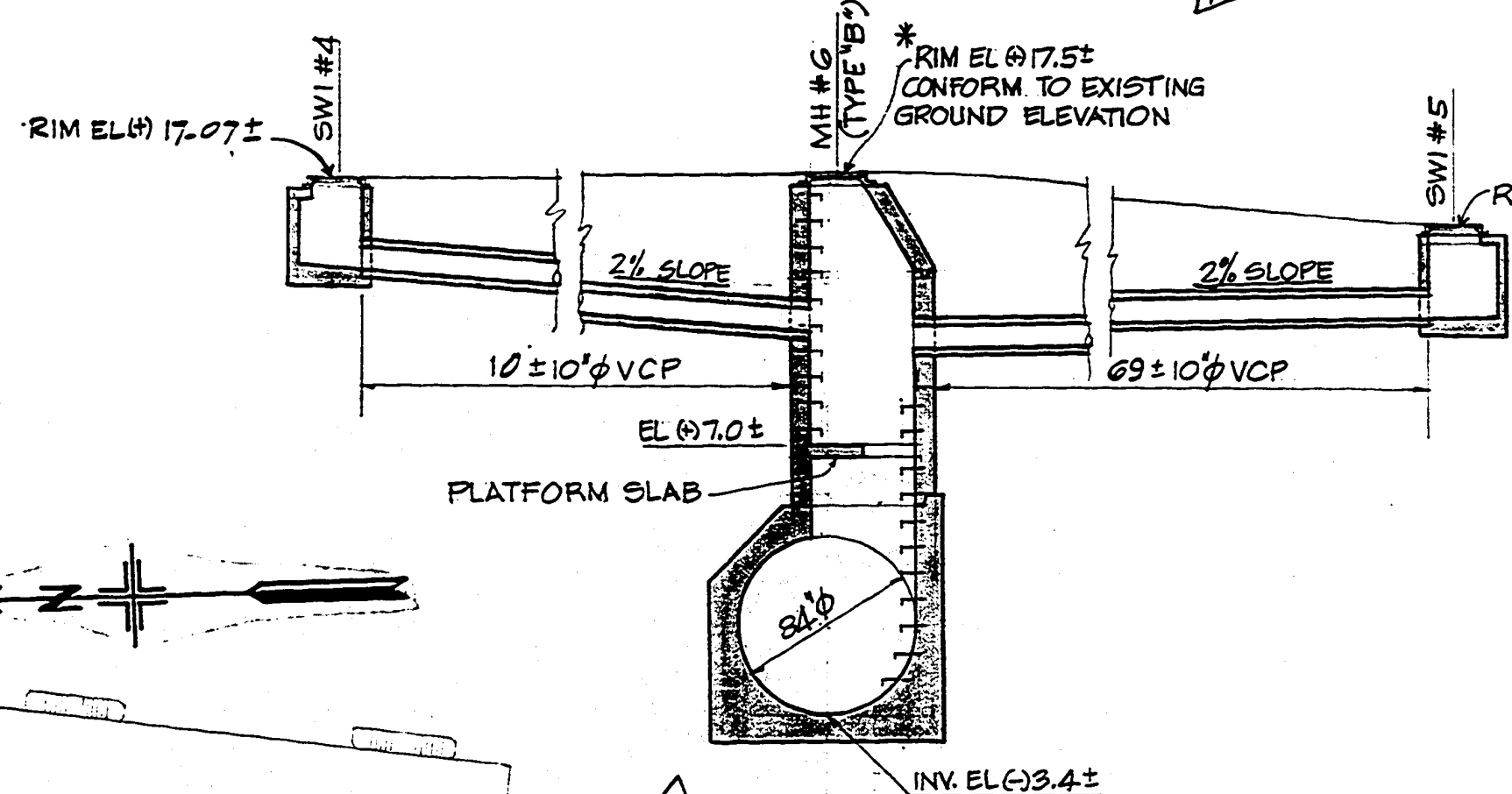


CITY AND COUNTY OF SAN FRANCISCO	
<b>SAN FRANCISCO PUBLIC WORKS</b>	
BUREAU OF ENGINEERING	
SECTION MANAGER L. WONG	DRAWN AK/ V. CHEUNG 04/2023
DEPUTY BUREAU MANAGER F. CISNEROS	DESIGNED CW/ C. HOM 04/2023
ACTING BUREAU MANAGER I. DHAPA	CHECKED W. LEE 04/2023
NO.	DATE
DESCRIPTION	BY
APPR'D	REVISIONS

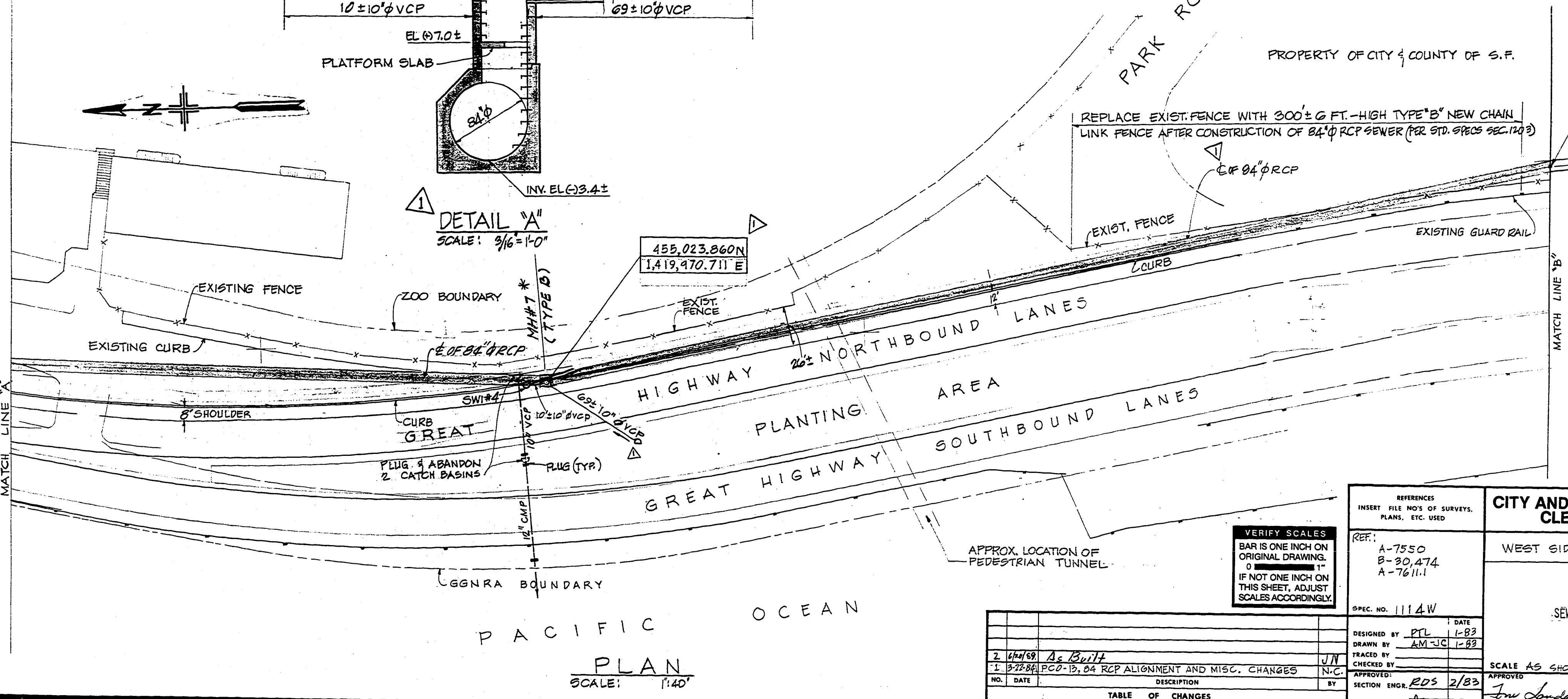
<b>CONTRACT NO. WW-662</b>			
CITY AND COUNTY OF SAN FRANCISCO			
<b>PUBLIC UTILITIES COMMISSION</b>			
INFRASTRUCTURE DIVISION			
ENGINEERING MANAGEMENT BUREAU			
<b>OCEAN BEACH LONG TERM IMPROVEMENT PROJECT</b>			
<b>SEWER AND DRAINAGE DETAILS</b>			
<b>(BASIN "E" - "F")</b>			
CHECKED / APPROVED	DRAWN	SCALE	
SECTION MANAGER	DESIGNED	DATE	
APPROVED	APPROVED		
MANAGER, ENGINEERING MANAGEMENT BUREAU		ASSISTANT GENERAL MANAGER WASTE WATER ENTERPRISE	
SHEET	PLAN NO.	DRAWING / FILE NO.	REVISION NO.
OF	<b>SW-5004</b>		<b>0</b>



**PROFILE**  
 SCALES: HOR. 1"=40'; VERT. 1"=10'



**DETAIL 'A'**  
 SCALE: 3/16"=1'-0"



**PLAN**  
 SCALE: 1"=40'

\* LOCATE MANHOLE AWAY FROM CURB AND FROM THE LOW POINT OF THE ROADWAY

REPLACE EXIST. FENCE WITH 300± G. FT. HIGH TYPE 'B' NEW CHAIN LINK FENCE AFTER CONSTRUCTION OF 84\"/>

454,343.423 N  
 1,420,099.692 E

455,023.860 N  
 1,419,970.711 E

**AS-BUILT DRAWINGS**  
 DATE COMPLETED: 9/14/89  
 REVIEWED BY: [Signature]

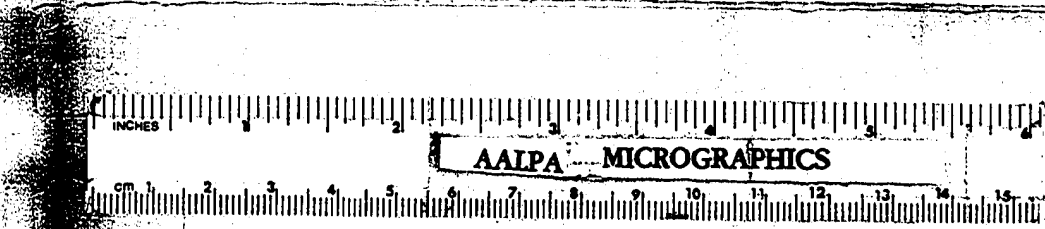
**SW-2**

<b>CITY AND COUNTY OF SAN FRANCISCO</b> <b>CLEAN WATER PROGRAM</b>	
WEST SIDE PUMP STATION AND FORCE MAINS	
SEWER WORK - PLAN AND PROFILE	
REF: A-7550 B-30,474 A-7611.1	SHEET OF SHEETS FILE CHANGE 54,382 2
DESIGNED BY: PTL 1-83 DRAWN BY: AM-JC 1-83 TRACED BY: JN CHECKED BY: N.C. SECTION ENGR: RDS 2/83 DIVISION ENGR: [Signature] 2/83	SCALE AS SHOWN APPROVED: [Signature] MANAGER, PLANNING & DESIGN DATE: 2/83

NO.	DATE	DESCRIPTION	BY
2	4/4/89	As Built	JN
1	3-22-88	RCP-1B, 84 RCP ALIGNMENT AND MISC. CHANGES	N.C.

TABLE OF CHANGES  
 CAUTION: CHECK WITH TRACING TO SEE IF YOU HAVE LATEST REVISION

**VERIFY SCALES**  
 BAR IS ONE INCH ON ORIGINAL DRAWING.  
 IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.



FOR REFERENCE ONLY  
 (E) 84" RCP SEWER





# DISABILITY ACCESS CHECKLIST

**D.A. CHECKLIST** (p. 1 of 2): The address of the project is: \_\_\_\_\_

For ALL tenant improvement projects in commercial use spaces, both pages of this checklist are required to be reproduced on the plan set and signed.

- The proposed use of the project is \_\_\_\_\_ (e.g. Retail, Office, Restaurant, etc.)
- Describe the area of remodel, including which floor: \_\_\_\_\_
- The construction cost of this project excluding disabled access upgrades to the path of travel is \$ \_\_\_\_\_ which is (check one)  more than /  less than the 2018 Accessibility Threshold amount of **\$161,288.00** (updated annually by the California Division of the State Architect). Note: If Yes, then see Step 3 on the Instructions page of the Disabled Access Upgrade Compliance Checklist package for additional forms required.

**Conditions below must be fully documented by accompanying drawings**

5. Read A through D below carefully and check the most applicable boxes. Check one box only:
- A:** All existing conditions serving the area of remodel fully comply with access requirements. No further upgrades are required. Fill out page 2 of D.A. Checklist
  - B:** Project Adjusted cost of construction is greater than the current valuation threshold. Fill out and attach page 2 of D.A. Checklist and any other required forms to plans
  - C:** Project adjusted cost of construction is less than or equal to the current valuation threshold. List items that will be upgraded on Form C. All other items shall be checked on page 2 of the D.A. Checklist in the "Not required by code" column.
  - D:** Proposed project consists entirely of Barrier removal. Fill out and attach Barrier removal form to Plans. The project is exempt work per definition of 11B-202.3 Alteration.
  - E:** Proposed project is minor revision to previously approved permit drawings only. (Note: This shall NOT be used for new or additional work.) Provide previously approved permit application here: \_\_\_\_\_ Description of revision: \_\_\_\_\_

CBC chapter 2 section 202 Definitions:

**Technically Infeasible.** An alteration of a building or a facility, that has little likelihood of being accomplished because the existing structural conditions require the removal or alteration of a load-bearing member that is an essential part of the structural frame, or because other existing physical or site constraints prohibit modification or addition of elements, spaces or features that are in full and strict compliance with the minimum requirements for new construction and which are necessary to provide accessibility.

**Unreasonable Hardship.** When the enforcing agency finds that compliance with the building standard would make the specific work of the project affected by the building standard infeasible, based on an overall evaluation of the following factors:

- The cost of providing access.
- The cost of construction contemplated.
- The impact of proposed improvements on financial feasibility of the project.
- The nature of the accessibility which would be gained or lost.
- The nature of the use of the facility under construction and its availability to persons with disabilities.

The details of any Technical Infeasibility or Unreasonable Hardship shall be recorded and entered into the files of the Department. All Unreasonable Hardships shall be ratified by the A.A.C.

6

**D.A. CHECKLIST** (p. 2 of 2): The address of the project is: \_\_\_\_\_

Check all applicable boxes and specify where on the drawings the details are shown:

	Existing Fully Complying	Will be Upgraded to Full Compliance	Equivalent Facilitation will provide full access	Compliance is Technically Infeasible	Approved in compliance with immediately preceding code	Not required by Code (and/or none existing)	Not compliant, request UPR (Must be ratified by AAC)	Location of detail(s)- include detail no. & drawing sheet (do not leave this cell blank). Also identification comments can be written here.
A. One accessible entrance including: approach walk, vertical access, platform (landings), door / gate and hardware for door/gate	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
B. An accessible route to the area of remodel including: Parking/access aisles and curb ramps, Curb ramps and walks, Corridors, hallways, floors, Ramps elevators, lifts	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
C. At least one accessible restroom for each sex or a single unisex restroom serving the area of remodel.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D. Accessible public pay phone.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
E. Accessible drinking fountains.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F. Additional accessible elements such as parking, stairways, storage, alarms and signage.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
See the requirements for additional forms listed below								

- No additional forms required
- No additional forms required
- Fill out Request for Approval of Equivalent Facilitation form for each item checked and attach to plan.
- Fill out Request for Approval of Technical Infeasibility form for each item checked and attach to plans.
- Provide details from a set of City approved reference drawings, provide its permit application number here: \_\_\_\_\_ and list reference drawing number on plans.
- No additional forms required
- Fill out Request for an Unreasonable Hardship form for each item checked and attach to plan. All UHR must be ratified by the Access Appeals Commission (see UHR form for details)

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# TECHNICAL INFEASIBILITY REQUEST

CITY AND COUNTY OF SAN FRANCISCO  
DEPARTMENT OF BUILDING INSPECTION



London N. Breed, Mayor  
Tom C. Hui, S.E., C.B.O., Director

## APPROVAL OF TECHNICAL INFEASIBILITY REQUEST

To be used where it is technically infeasible to meet the prescriptive requirements of the code within the scope of work of an alteration or within an existing path of travel to the area of work of an alteration or addition. as per CBC section 11B-202.3

- Site Address: \_\_\_\_\_
- Floor: \_\_\_\_\_
- Permit Application No.: \_\_\_\_\_
- Request No.: \_\_\_\_\_
- Existing Use: \_\_\_\_\_
- Proposed Use: \_\_\_\_\_
- Existing Occupancy: \_\_\_\_\_
- Proposed Occupancy: \_\_\_\_\_
- Description of proposed alteration element or path of travel upgrade for which technical infeasibility approval is requested: \_\_\_\_\_

CBC 11B-202.3. In alterations, where the enforcing authority determines compliance with applicable requirements is technically infeasible, the alteration shall provide equivalent facilitation or comply with the requirements to the maximum extent feasible. See CBC Chapter 2, section 202; *Technically Infeasible*

10. This alteration is technically infeasible due to:
- It would require removal or alteration of a load bearing member that is an essential part of the structural frame or
  - Other existing physical or site constraints

11. Detailed description of the technical infeasibility. (provide details, documents and drawings if required or requested by staff)

12.  Compliance with the regulations will be provided to the maximum extent feasible; (give description)

(For the re-use of this form.) I have verified that the above stated compliance is still in effect and is the maximum degree of compliance possible. Applicant initials \_\_\_\_\_ and date \_\_\_\_\_

13. Applicant's Name (Print): \_\_\_\_\_  
 Owner  Tenant  Agent

Applicant's Signature: \_\_\_\_\_

14. Applicant's Address: \_\_\_\_\_

15. Applicant's Phone: \_\_\_\_\_ Applicant's Email: \_\_\_\_\_

13

## APPROVAL OF TECHNICAL INFEASIBILITY REQUEST (page 2)

FOR THE DEPARTMENT OF BUILDING INSPECTION STAFF USE ONLY

This technical infeasibility request is:  
 APPROVED (FOR THIS PERMIT ONLY)  DENIED

Plans reviewed by (print name): \_\_\_\_\_

Signature of the Plans Examiner: \_\_\_\_\_ Date: \_\_\_\_\_

Approved for the following reason(s): \_\_\_\_\_

Denied for the following reason(s): \_\_\_\_\_

\*Signature of the Group Supervisor: \_\_\_\_\_ Date: \_\_\_\_\_

Approved for re-use Supervisor initials \_\_\_\_\_ and Date \_\_\_\_\_

If your Request for Approval of Technical Infeasibility has been denied, the plans examiner shall inform you of the reasons for denying that request. In addition, the plans examiner's group supervisor shall provide you with a second opinion regarding the denial.

If your Request for Approval of Technical Infeasibility has been denied, you may file an appeal with the Access Appeals Commission. Please refer to the Access Appeals Commission Information Guide, available at the Customer Services desk, for complete information on this process.

Please submit appeals in person to:

Secretary, Access Appeals Commission  
1680 Mission Street, 3rd Floor  
San Francisco, CA 94103  
(415) 558-6110

14

# DISABILITY ACCESS CHECKLIST



## DISABILITY ACCESS COMPLIANCE FOR CITY PROJECTS

Building Permit Applicant is to fill in project name + address before scanning this form onto the plan set. For Alterations, add SF DBI checklist & form(s) from Information Sheet DA-02, as applicable.

Leave Area Below Blank - for PW-DAC (Disability Access Coordinator) Reviewer Staff Use

**DESIGN & PERMIT PHASE:** The following elements, if selected, have been reviewed/approved:

- PRE-APPLICATION meeting note(s) / SITE PERMIT review only
- SF DBI DA-02 Checklist / Technical Infeasibility Request form & documentation
- Accessible Play Areas, Play Components Inventory form
- Accessible Means of Egress, diagrams indicating components & continuity
- Scope limited to spaces/elements exempt from accessibility requirements, per 11B-203
- Exempt HVAC, roofing, electrical or cosmetic work only, not affecting accessibility elements
- FINAL CONSTRUCTION PLANS for Building Permit applications

**CONSTRUCTION PHASE:** The following inspections, if selected, are required:

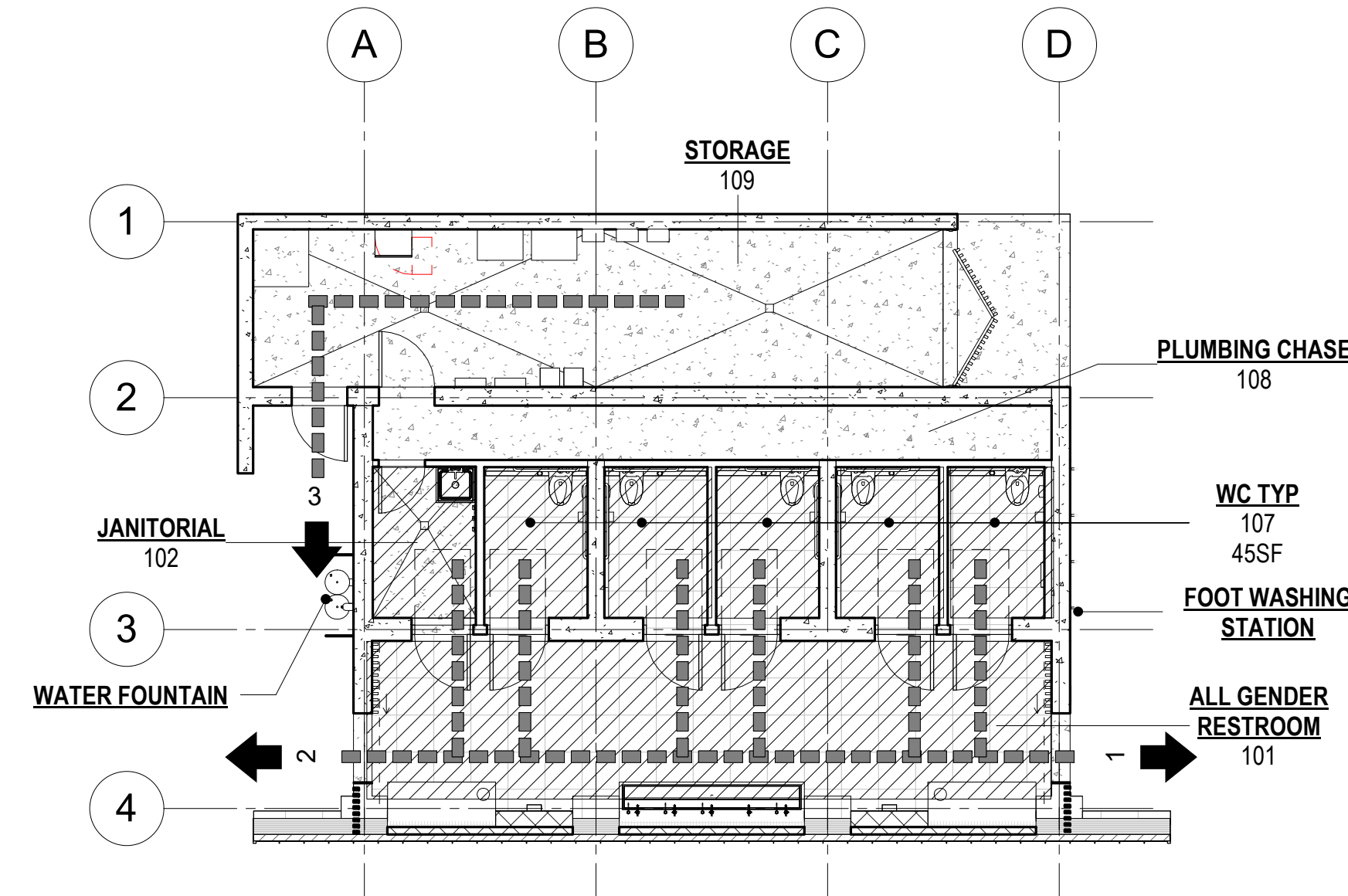
- FRAMING, backing for accessibility elements, plumbing & electrical rough-in, prior to covering walls
- Formwork for ramps & sloped walkways, prior to concrete-pour
- Signage, certification of size/spacing of Braille cells/raised text (location mock-up, as necessary)
- Door opening force & closing speed (after final air balance, if applicable)
- Power-Assist & Low-Energy Power-Operated doors, testing & signage per BHMA A156.19
- Play Area transfer systems, use zones & accessible routes
- INSPECTIONS AT SUBSTANTIAL COMPLETION, prior to TCO, if applicable
- FINAL INSPECTION ON PROJECT, sign-off on SF-DBI Job Card, or letter of acceptance

Arfaraz Khambatta, CASp - Public Works, Disability Access Coordinator Date: \_\_\_\_\_

# LIFE SAFETY/OCCUPANCY LOAD DIAGRAM

## CODE DIAGRAM LEGEND

- occupant load
- 32 → EXIT or EXIT ACCESS
- □ □ □ EXIT ACCESS TRAVEL DISTANCE - distance in ft



San Francisco **Water Power Sewer**  
Services of The San Francisco Public Utility Commission  
INFRASTRUCTURE DIVISION  
ENGINEERING MANAGEMENT BUREAU

EMB Mgr. \_\_\_\_\_  
WWE Engineering Mgr. \_\_\_\_\_  
WWE O&M Mgr. \_\_\_\_\_  
Section Mgr. \_\_\_\_\_  
Designed \_\_\_\_\_  
Drawn \_\_\_\_\_  
Checked/Approved \_\_\_\_\_

BUREAU OF ARCHITECTURE  
SAN FRANCISCO PUBLIC WORKS

Ron Alameida - City Architect  
Julia Laue - Principal Architect / Bureau Manager  
49 South Van Ness Ave., Suite 1100  
San Francisco, CA 94103  
Phone (628)271-2865

Proj. Mgr. \_\_\_\_\_ MS  
Proj. Arch. \_\_\_\_\_ PDF  
Drawn \_\_\_\_\_ Author  
Checked by \_\_\_\_\_ Checker

**NOT FOR CONSTRUCTION**

95% CD		4.14.2023
No.	Date	Revisions

FOR DBI USE ONLY

FOR THE SOLE USE OF THE DOCUMENT RECIPIENT - DO NOT CITE, COPY, OR CIRCULATE WITHOUT THE EXPRESSED PERMISSION OF THE SFPUC.		Project <b>Ocean Beach Restroom</b> 2801 Great Highway San Francisco, CA 94132	Plan No. <b>G1.10</b>
Contract No.	Drawing Title <b>ADA COMPLIANCE CHECKLIST, COMPLIANCE MEASURES, &amp; LIFE SAFETY/OCCUPANCY LOAD DIAGRAM</b>	Project No. <b>1902</b>	
Elevation Datum	Drawing/File No.	Revision No.	Scale: As indicated

# GS6: San Francisco Green Building Submittal Form for Municipal Projects

Form version: March 4, 2020 (For permit applications January 2020 - December 2022)

**INSTRUCTIONS:**

1. Select one (1) column to the right.
  2. For each requirement in the column, indicate evidence of fulfillment in the References column.
  3. Fill out the project information in the Verification box at the right.
  4. Attach LEED Scorecard on separate, subsequent sheet.
- Submittal must be a minimum of 24" x 36".

**CHECK THE ONE COLUMN THAT BEST DESCRIBES YOUR PROJECT** →

\*This form includes the requirements of San Francisco Green Building Code and Environment Code Chapter 7. Major Renovations as defined by Environment Code Chapter 7 also include Major Alterations as defined by SFGBC, where applicable.

				MUNICIPAL			REFERENCES	VERIFICATION
				<input type="checkbox"/> <b>NEW CONSTRUCTION &amp; MAJOR RENOVATION*</b> <small>10,000 sq. ft. or greater</small>	<input type="checkbox"/> <b>COMMERCIAL INTERIORS</b> <small>10,000 sq. ft. or greater</small>	<input type="checkbox"/> <b>SMALL PROJECTS</b> <small>less than 10,000 sq. ft. or any not meeting LEED MPR's</small>	<small>DRAWING OR SPECIFICATION # (If not applicable, indicate "N/A")</small>	PROJECT NAME
<b>LEED</b>	Required LEED Certification Level	Environment Code sec.705	Project is required to achieve sustainability certification listed at right.	GOLD (80+) CERTIFIED	GOLD (80+) CERTIFIED, LEED CI	n/r		BLOCK/LOT
	LEED Point Adjustment for Retention/Demolition of Historic Features/Building	SFGBC 5.104	Enter any applicable point adjustments in box at right.			n/r		ADDRESS
	LEED Points shown on Current Scorecard		Enter current expected LEED score in box at right.			n/r		PRIMARY OCCUPANCY
	LEED Scorecard Submittals	Environment Code sec. 705	For projects ≥10,000 sq. ft., submit LEED Scorecard to Municipal Green Building Task Force at 100% Concept Design, Schematic Design, Design Development, Construction Documents and As-Built. For projects <10,000 sq. ft., submit LEED Scorecard to Municipal Green Building Task Force at 100% Concept Design and As-Built. LEED Online is acceptable means of submittal.	•	•	•		BUILDING GROSS FLOOR AREA
<b>MATERIALS</b>	LOW-EMITTING MATERIALS	Environment Code sec.706 OR CALGreen 5.504.4.1-6	EQc2 For projects ≥10,000 sq. ft., use products that comply with LEED emissions & content requirements for paints, coatings, adhesives, sealants, flooring, composite wood, ceiling/wall/thermal/acoustic insulation, furniture if part of scope, and exterior applied products if healthcare or school project. For projects <10,000 sq. ft., use products that comply with the emission limit requirements of 5.504.4.1-6 for adhesives, sealants, paints, coatings, carpet systems including cushions and adhesives, resilient flooring (80% of area), and composite wood products.	LEED EQc2 (3 pts)	LEED EQc2 (3 pts)	5.504.4.1-6		<b>LEED PROJECTS</b> Projects ≥10,000 square feet
	CARPET	Regulation #SFE 207 8-01-PP0	Carpet must be commercial hard-backed carpet tiles and: 100% solution-dyed Type 6 or 6.6 cationic nylon; Cradle to Cradle Certified Silver; CRI Green Label Plus, hold Environmental Product Declaration & Health Product Declaration or equivalent; and contain <100 ppm antimicrobials & no flame retardants, PFAS, fly-ash, PVC, polyurethane, or synthetic styrene butadiene latex. The adhesive must meet CRI Green Label Plus or California Specification 01350. The tape adhesive must also be C2CPII Material Health Certificate (MHC) certified Bronze. Wet adhesives must also be C2CPII MHC Silver and contain <50g/l VOC.					<small>I understand Environment Code Chapter 7 requires all applicable projects ≥10,000 square feet to attain LEED Gold certification from USGBC/GBCI. No Green Building Compliance Professional of Record is required.</small>
	PVC ELIMINATION	Environment Code sec.509	Specify no materials containing PVC.	•	•	•		PROJECT MANAGER (name)
	LEAD ELIMINATION	Environment Code sec.711	Specify no materials containing lead.	•	•	•		PROJECT MANAGER (sign & date)
<b>WATER</b>	TROPICAL HARDWOOD & VIRGIN REDWOOD BAN	Environment Code ch.8	Specify no tropical hardwoods or virgin redwoods.	•	•	•		PROJECT MANAGER AGENCY
	INDOOR WATER USE REDUCTION	Environment Code sec.706, CALGreen 5.303.3	BD+C/ID+C, WEP2/WEP1, WEC2/WEC1 Meet flush/flow requirements for toilets (1.28gpf), urinals (0.125gpf wall, 0.5gpf floor), showerheads (1.8gpm), lavatories (1.2gpm private, 0.5gpm public/common); kitchen faucets (1.8gpm); wash fountains (1.8gpm); metering faucets (0.2gpc); food waste disposers (1gpm/8gpm). Additionally, for projects ≥10,000 sq. ft., use minimum 30% less potable water as calculated using a baseline with toilets (1.6gpf), urinals (1.0gpf), showerheads (2.5gpm), lavatories (2.2gpm private, 0.5gpm public), kitchen faucets (2.2gpm).	LEED Wep2, LEED Wec2 (2 pts)	LEED Wep1, LEED Wec1 (4 pts)	5.303.3		PROJECT MANAGER (sign & date)
	NON-POTABLE WATER REUSE	Health Code art.12C	WEC2 New buildings ≥40,000 sq. ft. must calculate a water budget. New buildings ≥250,000 sq. ft. must treat and use available rainwater, graywater, and foundation drainage for toilet and urinal flushing and irrigation.	•	n/r	n/r		PROJECT MANAGER AGENCY
	WATER-EFFICIENT IRRIGATION	Administrative Code ch.63	WEP1, WEC1 New construction projects with aggregated landscape area ≥500 sq. ft., or existing projects with modified landscape area ≥1,000 sq. ft., shall use low water use plants or climate appropriate plants, restrict turf areas and comply with Model Water Efficient Landscape Ordinance restrictions by calculated ETAF ≤.45 or by prescriptive compliance for projects with ≤2,500 sq. ft. of landscape area.	•	•	•		<b>NON-LEED PROJECTS</b> Projects <10,000 square feet, receiving a waiver, or not meeting LEED MPR's
<b>ENERGY</b>	ZERO ON-SITE OPERATIONAL EMISSIONS	Environment Code sec.708(d)(7)	Municipal new construction and major renovation projects which apply for building permit on or after January 1, 2020 must be all-electric. Exceptions when necessary are available for: Processes separate from building systems such as vehicle fueling, existing equipment outside project scope, or fossil fuel-based emergency backup generation.	•	n/r	n/r		PROJECT MANAGER (name)
	ENERGY PERFORMANCE	Environment Code sec.706, CA Energy Code, SFGBC 5.201	EAP2, EAC2 For projects ≥10,000 sq. ft., produce a whole-building energy simulation, or follow ASHRAE 50% Advanced Design Guide, or follow Advanced Building Core Performance Guide. Achieve energy use below established baseline by 5% for New Construction, 3% for Major Renovations, 2% for Core & Shell, 3% for Commercial Interiors alternate compliance – reduce lighting power density by 5% below ASHRAE 90.1-2010 and install ENERGY STAR equipment for 50% of all eligible ENERGY STAR equipment. In the event a project receives a waiver allowing the use of natural gas in building systems, reduce energy use at least 10% compared to Title 24 2019.	LEED EAP2	LEED EAP2	Comply with Title 24 (2019)		PROJECT MANAGER (sign & date)
	ENERGY TARGET	Environment Code sec.706	EAC2 Set target for annual energy consumption. Reporting required to Municipal Green Building Task Force. See Environment Regulations for guidance, tools and methods.	•	n/r	n/r		PROJECT MANAGER AGENCY
	ZERO NET ENERGY FEASIBILITY	Environment Code sec.706	EAC2 Determine feasibility to achieve Zero Net Energy (±3 stories) Reporting required to Municipal Green Building Task Force. See Environment Regulations for guidance, tools and methods.	•	n/r	n/r		PROJECT MANAGER (name)
	PV + ENERGY STORAGE BENEFIT/COST ANALYSIS	Environment Code sec.706	EAC2, EAC5 Analyze benefits and costs of solar plus battery storage capable of supplying electrical systems essential to serve the community in event of disaster. Reporting required to Municipal Green Building Task Force. See Environment Regulations for guidance, tools and methods.	•	n/r	n/r		PROJECT MANAGER (sign & date)
	BETTER ROOFS	Planning Code sec.149, SFGBC div.5.2	EAC2 or various New buildings with ≤10 floors must designate 15% of roof Solar Ready, per Title 24 rules. Install photovoltaics or solar hot water systems in this area. With Planning Department approval, projects subject to SFPUC Stormwater Requirements may substitute living roof for solar energy systems.	•	n/r	if new construction ≥2,000 sq. ft.		PROJECT MANAGER AGENCY
	RENEWABLE ENERGY	SFGBC 5.201.1.3	EAC2, EAC5 New buildings ≥11 floors must acquire renewable onsite energy or achieve 5 points under LEED credit Optimize Energy Performance (EAC2).	•	n/r	n/r		PROJECT MANAGER (sign & date)
	COMMISSIONING (Cx)	Environment Code sec.706 OR CALGreen 5.410.2-5.410.4.5.1	EAP1, EAC1 For projects ≥10,000 sq. ft., comply with LEED Cx requirements – OPR, BOD, systems testing, operations manual, and Enhanced and Monitoring-Based Commissioning. For projects <10,000 sq. ft. and all new equipment in alterations & additions, comply with 5.410.2-5.410.4.5.1 – test and adjust all equipment.	LEED EAP1, LEED EAC1 (3+ pts)	LEED EAP1, LEED EAC1 (4+ pts)	5.410.2-5.410.4.5.1		PROJECT MANAGER AGENCY
<b>PARKING</b>	BICYCLE PARKING	Planning Code sec.155.1-3, CALGreen 5.106.4	LTc6 Provide short- and long-term bike parking equal to 5% of motorized vehicle parking, or meet SF Planning Code sec.155.1-3, whichever is greater.	•	•	5.106.4		PROJECT MANAGER AGENCY
	DESIGNATED PARKING	CALGreen 5.106.5.2	LTc7 If >10 total stalls added, comply with Table 5.106.5.2 (approx. 8% of total spaces).	•	•	•		PROJECT MANAGER AGENCY
	WIRING FOR EV CHARGING	SFGBC 5.106.5.3	LTc8 Construct all new off-street parking spaces for passenger vehicles and trucks with dimensions capable of installing EVSE (SFGBC 5.106.5.3). Install service capacity and panelboards sufficient to provide ≥40A 208 or 240V to EV chargers at 20% of spaces. Install ≥40A 208 or 240V branch circuits to ≥10% of spaces, terminating close to the proposed EV charger location. Installation of chargers is not required, but Admin Code 4.10-1 requires 100% of purchases and leases of light duty vehicles for municipal use to be 2EV. Projects with zero off-street parking exempt. See SFGBC 5.106.5.3 for details. Permit applications prior to January 2018: Install electrical systems to provide electricity for EV chargers at 6% of spaces per CALGreen 5.106.5.3.	new construction, or (per SFGBC) major alteration ≥25k sq ft	n/r	if new construction		<b>Green Building Compliance Professional of Record</b>
<b>RESOURCE RECOVERY</b>	RECYCLING BY OCCUPANTS	Environment Code sec.707	MRP1 Provide adequate space and equal access for storage, collection and loading of compostable, recyclable and landfill materials.	•	•	•		PROJECT MANAGER (sign & date)
	CONSTRUCTION & DEMOLITION (C&D) DISCARDS MANAGEMENT	Environment Code sec.706, 708 & ch.14; SF Building Code ch.13B, CALGreen 5.405.1.1	BD+C/ID+C, MRP2/MRP3, MRC5/MRC6 100% of mixed debris must be taken by a Registered Transporter to a Registered Facility and be processed for recycling. Submit a Material Reduction and Recovery Plan (MRRP) and supporting documentation demonstrating minimum recovery rate was achieved. Divert a minimum of 75% of total C&D debris. See Information Sheet GS-02.	LEED MRP2, LEED MRC5	LEED MRP2, LEED MRC6	75% diversion		PROJECT MANAGER (sign & date)
<b>HVAC</b>	REFRIGERANT MANAGEMENT	CALGreen 5.508.1	EAP4 Use no halons or CFCs in HVAC.	•	•	•		PROJECT MANAGER (sign & date)
	LIGHT POLLUTION REDUCTION	CA Energy Code, CALGreen 5.106.8	SSc6 Comply with CA Energy Code for Lighting Zones 1-4. Comply with 5.106.8 for Backlight/Uplight/Glare.	if new construction	n/r	if new construction		PROJECT MANAGER (sign & date)
	BIRD-SAFE BUILDINGS	Planning Code sec.139	pilot credit Glass facades and bird hazards facing and/or near Urban Bird Refuges may need to treat their glass for opacity.	•	•	•		PROJECT MANAGER (sign & date)
	TOBACCO SMOKE CONTROL	Health Code art.19F & art.19I, CALGreen 5.504.7	EQp2 Prohibit smoking within 25 feet of building entries, air intakes, and operable windows.	•	•	•		PROJECT MANAGER (sign & date)
<b>POLLUTION PREVENTION</b>	SHADE TREES	CALGreen 5.106.12	SSc5 Plant trees to sufficient to provide shade within 15 years for 20% of landscape and hardscape area, including parking. Exclude shade structures covered by photovoltaics or cool roof materials from total area calculation.	•	n/r	n/r		PROJECT MANAGER (sign & date)
	STORMWATER CONTROL PLAN	Public Works Code art.4.2 sec.147	SSc4 Projects disturbing ≥5,000 sq. ft. in combined or separate sewer areas, or replacing ≥2,500 impervious sq. ft. in separate sewer area, must implement a Stormwater Control Plan meeting SFPUC Stormwater Management Requirements.	if applicable	if applicable	if applicable		PROJECT MANAGER (sign & date)
<b>INDOOR ENVIRONMENTAL QUALITY</b>	CONSTRUCTION SITE RUNOFF	Public Works Code art.4.2 sec.146	SSp1 Submit a construction site Erosion and Sedimentation Control Plan to SFPUC for approval.	if project disturbs ≥5,000 sq. ft.	if project disturbs ≥5,000 sq. ft.	if project disturbs ≥5,000 sq. ft.		PROJECT MANAGER (sign & date)
	ACOUSTICAL CONTROL	CALGreen 5.507.4.1-3	EQc9 Comply with sound transmission limits (STC-50 exteriors near freeways/airports, STC-45 exteriors if 65db Leq at any time; STC-40 interior walls/floor-ceilings between tenants).	•	limited to envelope alterations & additions	•		PROJECT MANAGER (sign & date)
	AIR FILTRATION - CONSTRUCTION	CALGreen 5.504.1-3	EQc3 Seal permanent HVAC ducts/equipment stored onsite before installation.	•	•	•		PROJECT MANAGER (sign & date)
	AIR FILTRATION - OPERATIONS	CALGreen 5.504.5.3	EQc1 Provide MERV-13 filters on HVAC for regularly occupied, actively ventilated spaces.	•	•	•		PROJECT MANAGER (sign & date)
	ENHANCED IAQ STRATEGIES	Environment Code sec.706	EQc1 Comply with entry, cross-contamination, filtration, natural ventilation, mixed-mode requirements.	LEED EQc1 (1 pt)	LEED EQc1 (1 pt)	n/r		PROJECT MANAGER (sign & date)
	CONSTRUCTION IAQ MANAGEMENT PLAN	Environment Code sec.706	EQc3 During construction, meet SMACNA IAQ guidelines; provide MERV-13 filters on all HVAC.	LEED EQc3	LEED EQc3	n/r		PROJECT MANAGER (sign & date)
IAQ ASSESSMENT	Environment Code sec.706	EQc4 Before occupancy, test air quality for particulates, ozone, CO, and all listed VOCs.	LEED EQc4 (2 pts)	LEED EQc4 (2 pts)	n/r		PROJECT MANAGER (sign & date)	

This project is not required to obtain LEED certification because it is <10,000 square feet, does not meet LEED Minimum Program Requirements, and/or received a waiver from Environment Code Chapter 7 from the Director of Department of Environment. An informational LEED scorecard will be submitted to the Municipal Green Building Task Force at 100% concept design and as-built without requirement for further LEED documentation or certification.

I have been retained by the project sponsor to review all submittal documents and verify that all approved construction documents and construction fulfill the requirements of the San Francisco Green Building Code. It is my professional opinion that the requirements of the San Francisco Green Building Code will be met. I will notify the Department of Building Inspection if the project will, for any reason, not substantially comply with these requirements. If I am no longer the Green Building Compliance Professional of Record for the project, or if I am otherwise no longer responsible for assuring the compliance of the project with the San Francisco Green Building Code.

EMB Mgr. \_\_\_\_\_

WWE Engineering Mgr. \_\_\_\_\_

WWE O&M Mgr. \_\_\_\_\_

Section Mgr. \_\_\_\_\_

Designed \_\_\_\_\_

Drawn \_\_\_\_\_

Checked/Approved \_\_\_\_\_

Services of The San Francisco Public Utility Commission  
INFRASTRUCTURE DIVISION  
ENGINEERING MANAGEMENT BUREAU

BUREAU OF ARCHITECTURE

Ron Alameida - City Architect  
Julia Laue - Principal Architect / Bureau Manager

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Proj. Mgr. \_\_\_\_\_ MS

Proj. Arch. \_\_\_\_\_ PDF

Drawn \_\_\_\_\_ Author

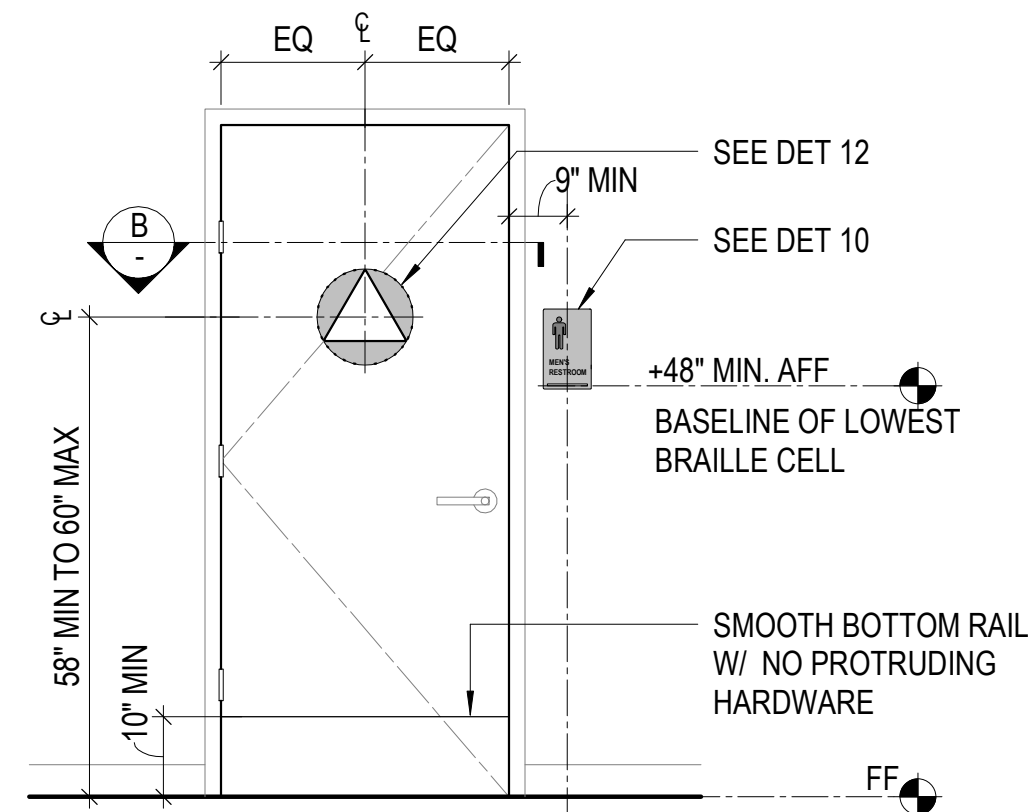
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NOT FOR CONSTRUCTION

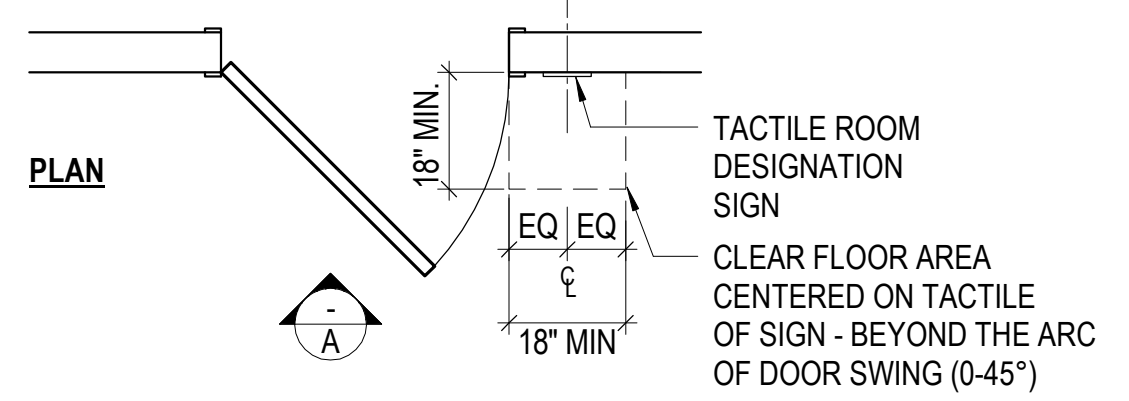
95% CD		4.14.2023
No.	Date	Revisions

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<p>FOR THE SOLE USE OF THE DOCUMENT RECIPIENT - DO NOT CITE, COPY, OR CIRCULATE WITHOUT THE EXPRESSED PERMISSION OF THE SFPUC.</p> <p>Contract No _____</p> <p>Elevation Datum _____</p>	<p>Project <b>Ocean Beach Restroom</b></p> <p style="text-align: center;">2801 Great Highway San Francisco, CA 94132</p> <p>Drawing Title <b>GREEN BUILDING SUBMITTAL FORM</b></p> <p>Drawing/File No _____ Revision No _____</p>	<p>Plan No. <b>G1.20</b></p> <p>Project No. <b>1902</b></p> <p>Scale: _____</p>
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**A. EXTERIOR DOOR ELEVATION NTS**



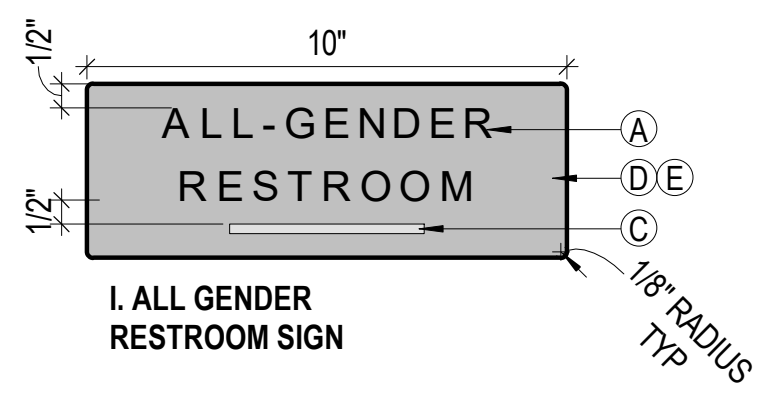
**B. CLEAR FLOOR AREA REQUIREMENTS - NTS**

**SIGN MOUNTING LOCATIONS (IN ORDER OF PREFERENCE):**

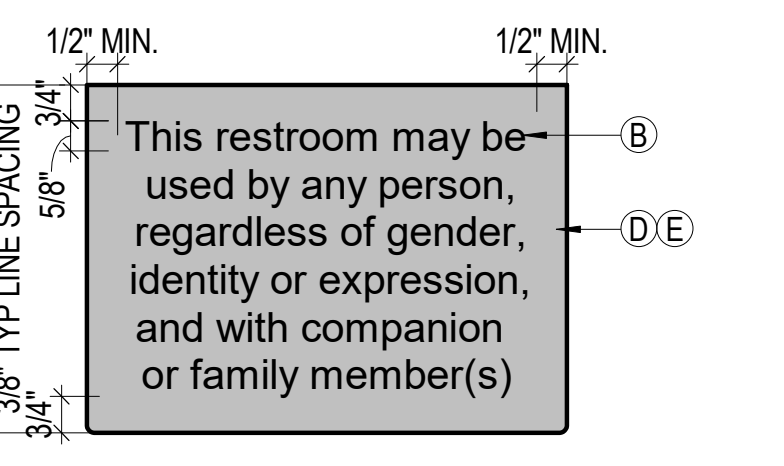
1. WALL MOUNT ADJACENT TO LATCH SIDE OF DOOR.
2. INACTIVE LEAF OF A DOUBLE DOOR WITH A SINGLE ACTIVE LEAF.
3. THE RIGHT DOOR OF A DOUBLE DOOR WITH 2 ACTIVE LEAFS.
4. WHERE THERE IS NO WALL SPACE ON THE LATCH SIDE OF A SINGLE DOOR OR RIGHT SIDE OF A DOUBLE DOOR, SIGN SHALL BE LOCATED ON THE NEAREST ADJACENT WALL - COORDINATE LOCATION WITH CITY REPRESENTATIVE.

**11 MOUNTING LOCATION - TACTILE & GEOMETRIC SYMBOL**

1/2" = 1'-0" DAC APPROVED R07 2021.07.01



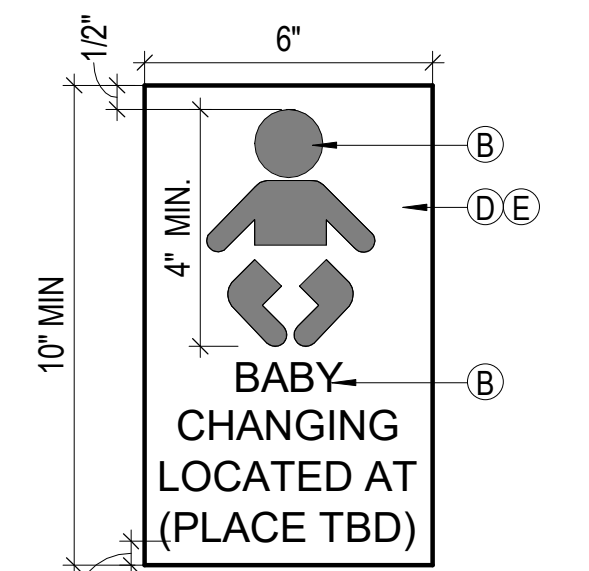
**I. ALL GENDER RESTROOM SIGN**



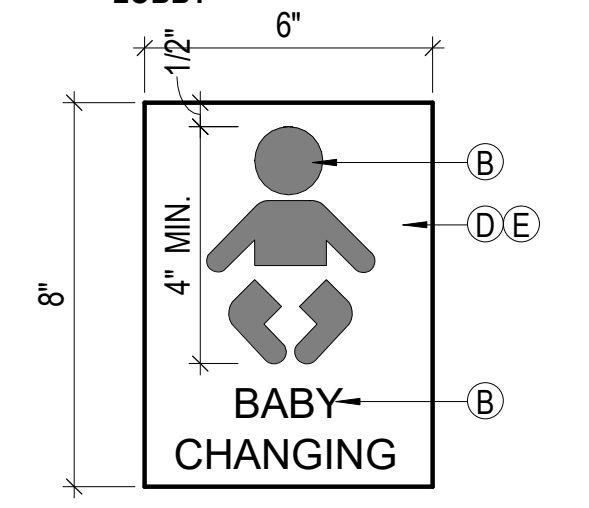
**J. ALL GENDER RESTROOM SIGN - OPTIONAL**

**8 RESTROOM SIGNAGE**

3" = 1'-0" DAC APPROVED R07 2021.07.01



**A. BABY CHANGING SIGN AT OR NEAR ENTRANCE LOBBY**

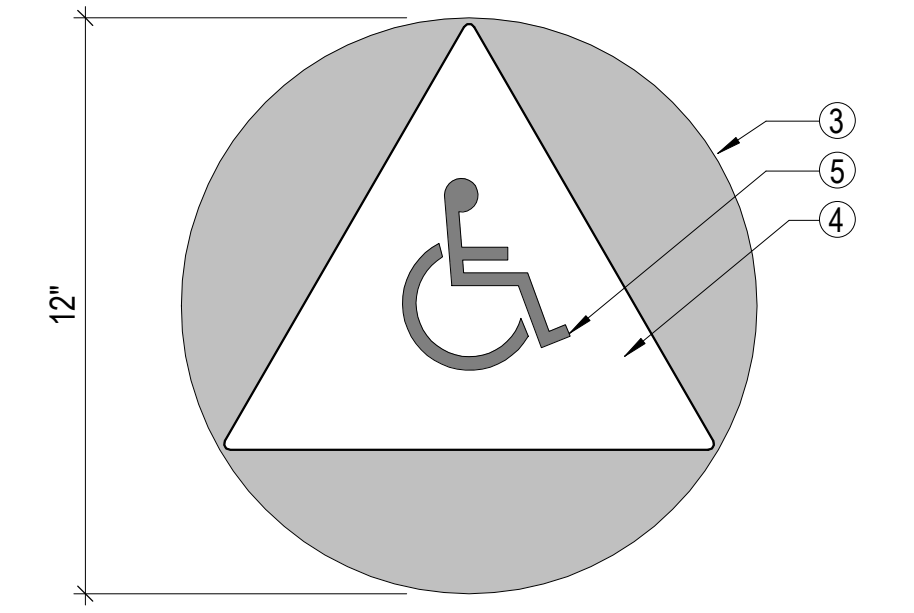


**B. BABY CHANGING SIGN AT ROOM WITH CHANGING STATION OR TABLE**

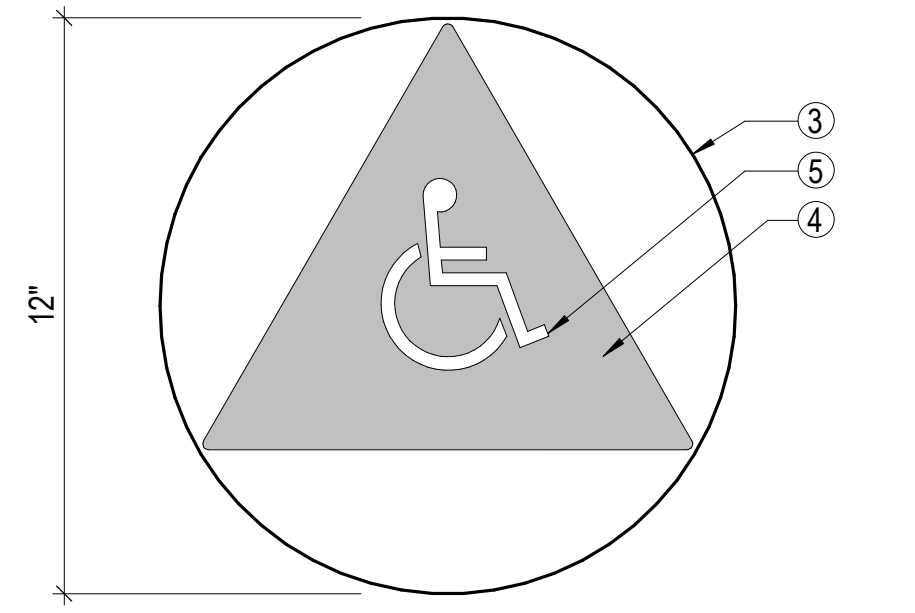
NOTES: VERIFY LOCATION OF BABY CHANGING SIGNS 4/A & 4/B WITH CITY REPRESENTATIVE IN FIELD.

**5 BABY CHANGE SIGNS**

3" = 1'-0" DAC APPROVED R07 2021.07.01



**C. ALL-GENDER GEOMETRIC SYMBOL ON LIGHT-COLORED MOUNTING SURFACE**



**F. ALL-GENDER GEOMETRIC SYMBOL ON DARK-COLORED MOUNTING SURFACE**

**NOTES FOR LIGHT OR DARK COLORED DOORS OR WALLS:**

1. TRIANGULAR SIGN MATERIAL SHALL BE 1/4" THICK WITH POLISHED AND EASED EDGES. ADHERE SIGN TO DOOR WITH VHB TAPE PER SPECIFICATIONS WITHOUT ANY MECHANICAL FASTENERS, UON. SEE SIGNAGE SCHEDULE FOR MATERIALS.
2. CIRCULAR SIGN MATERIAL SHALL BE 1/4" THICK WITH POLISHED AND EASED EDGES. ADHERE SIGN TO DOOR WITH VHB TAPE PER SPECIFICATIONS WITHOUT ZFANY MECHANICAL FASTENERS, UON. SEE SIGNAGE SCHEDULE FOR MATERIALS.
3. SIGN SHALL BE LIGHT ON DARK OR DARK ON LIGHT BACKGROUND COLOR WITH ADJACENT DOOR, SIGN SURFACES, OR WALL. ALL SIGNAGE FINISHES SHALL BE NON-GLARE MATTE OR EGGSHELL. NO RAISED SYMBOLS, PICTOGRAMS OR TEXT CHARACTERS SHALL BE PROVIDED ON NON-TACTILE GEOMETRIC SYMBOL SIGNS.
4. ALL GENDER SIGN SHALL BE A 1/4" THICK TRIANGULAR SHEET (A) SECURED ON TOP OF CIRCULAR SHEET (B) WITH DOUBLE-SIDED SHEET TAPE. UON, COLOR SHALL BE LIGHT ON DARK OR DARK ON LIGHT AND THE CIRCLE SHALL CONTRAST PER NOTE 3.
5. PROVIDE SCREEN-PRINTED ISA SYMBOL EITHER ON NON-TACTILE GEOMETRIC IDENTIFICATION SYMBOL OR ON RESTROOM IDENTIFICATION SIGN FOR EACH ACCESSIBLE BATHING OR TOILET ROOM. FOR ALL-GENDER FACILITIES, PROVIDE ISA SYMBOL ON GEOMETRIC SYMBOL SIGNS.

**6 RESTROOM DOOR GEOMETRIC SYMBOL**

3" = 1'-0" DAC APPROVED R07 2021.07.01

San Francisco **Water Power Sewer**

Services of The San Francisco Public Utility Commission

INFRASTRUCTURE DIVISION  
ENGINEERING MANAGEMENT BUREAU

EMB Mgr. \_\_\_\_\_  
WWE Engineering Mgr. \_\_\_\_\_  
WWE O&M Mgr. \_\_\_\_\_  
Section Mgr. \_\_\_\_\_  
Designed \_\_\_\_\_  
Drawn \_\_\_\_\_  
Checked/Approved \_\_\_\_\_

BUREAU OF ARCHITECTURE

San Francisco PUBLIC WORKS

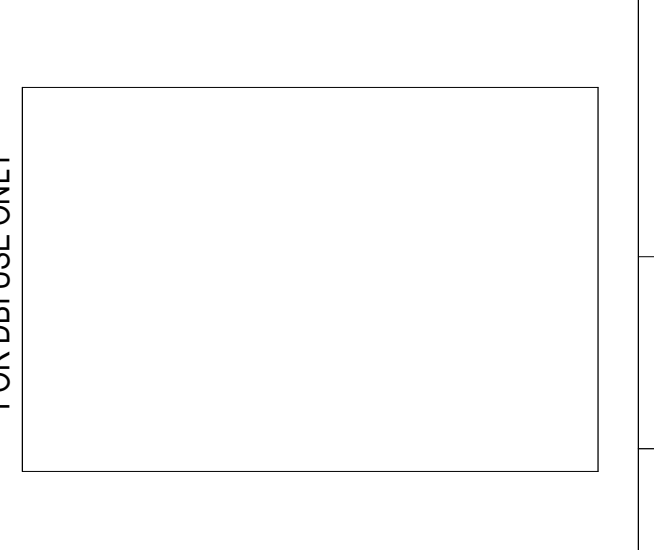
Ron Alameida - City Architect  
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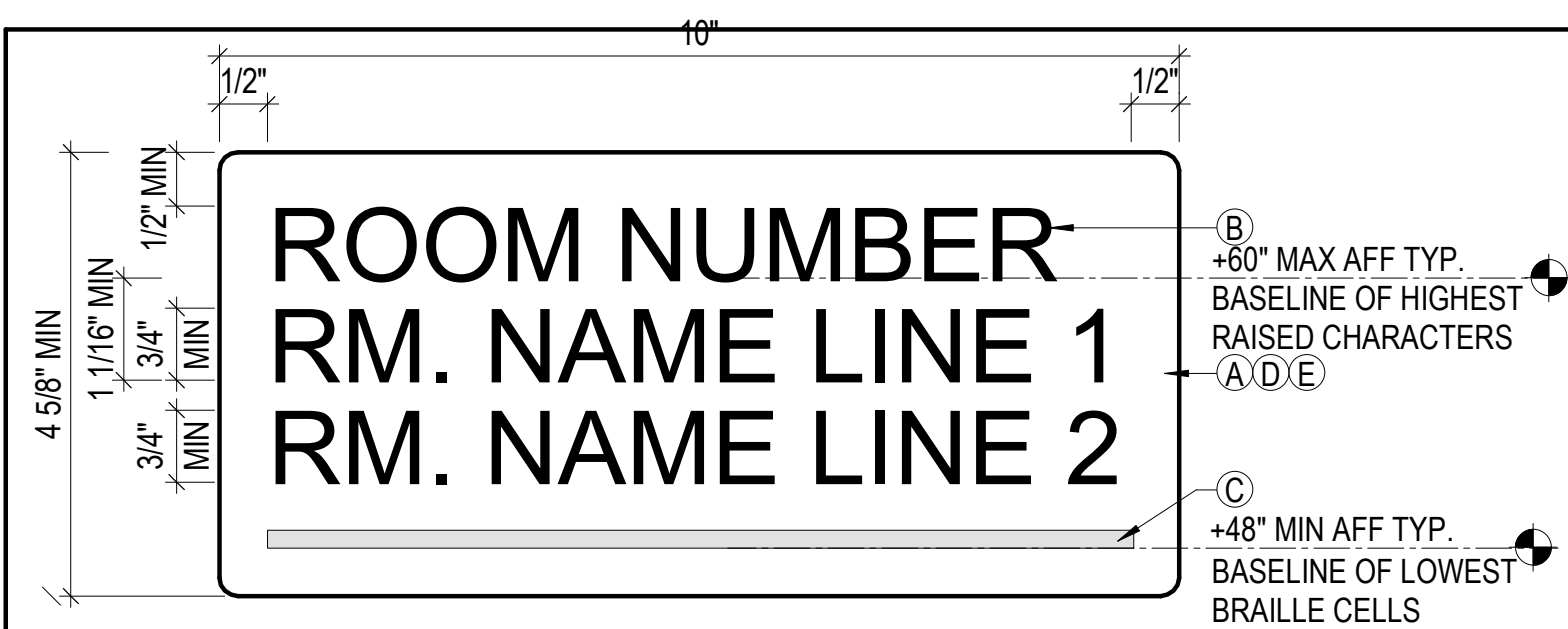
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Proj. Arch. \_\_\_\_\_ PDF  
Drawn \_\_\_\_\_ Author  
Checked by \_\_\_\_\_ Checker



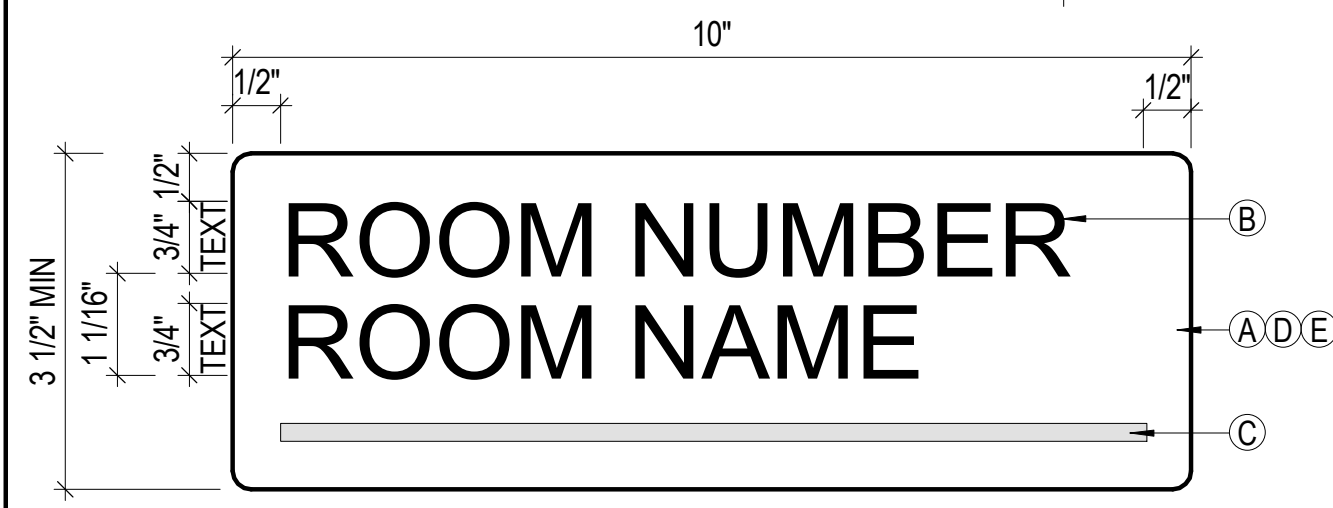
95% CD		4.14.2023
No.	Date	Revisions



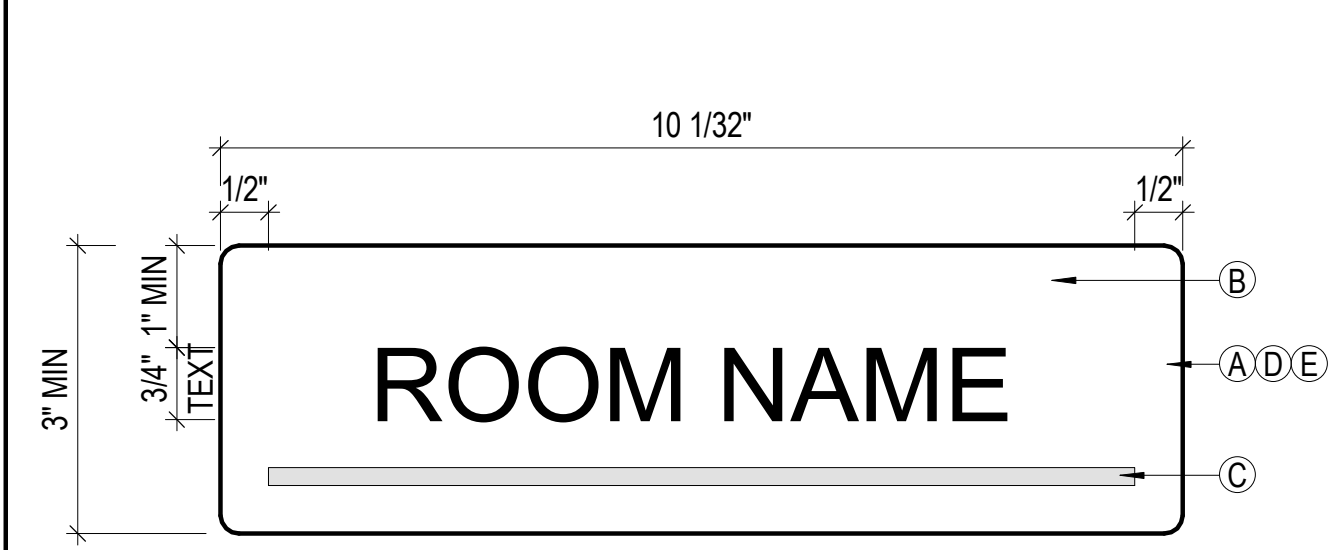
FOR THE SOLE USE OF THE DOCUMENT RECIPIENT - DO NOT CITE, COPY, OR CIRCULATE WITHOUT THE EXPRESSED PERMISSION OF THE SFPUC.		Project <b>Ocean Beach Restroom</b> 2801 Great Highway San Francisco, CA 94132	Plan No. <b>G 3.11</b>
Contract No.	Drawing Title <b>TOILET ROOM DOOR SIGNAGE 10-SIGN-REST-ADA-04</b>	Project No. <b>1902</b>	
Elevation Datum	Drawing/File No	Revision No	Scale: As indicated



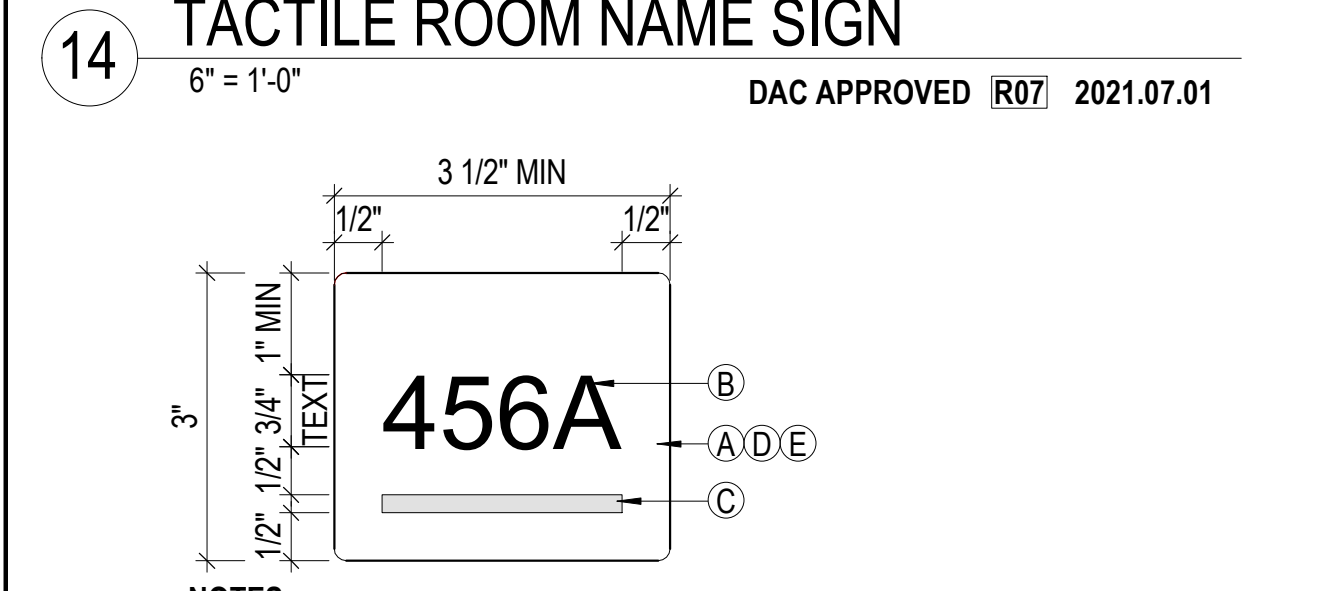
**13B** 3 - LINE SIGN  
6" = 1'-0"  
DAC APPROVED R07 2021.07.01



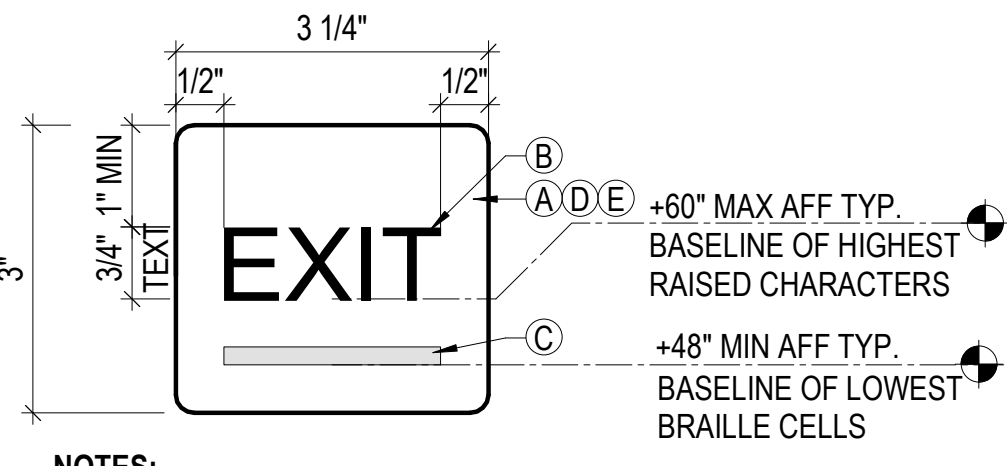
**13A** 2 - LINE SIGN  
6" = 1'-0"  
DAC APPROVED R07 2021.07.01



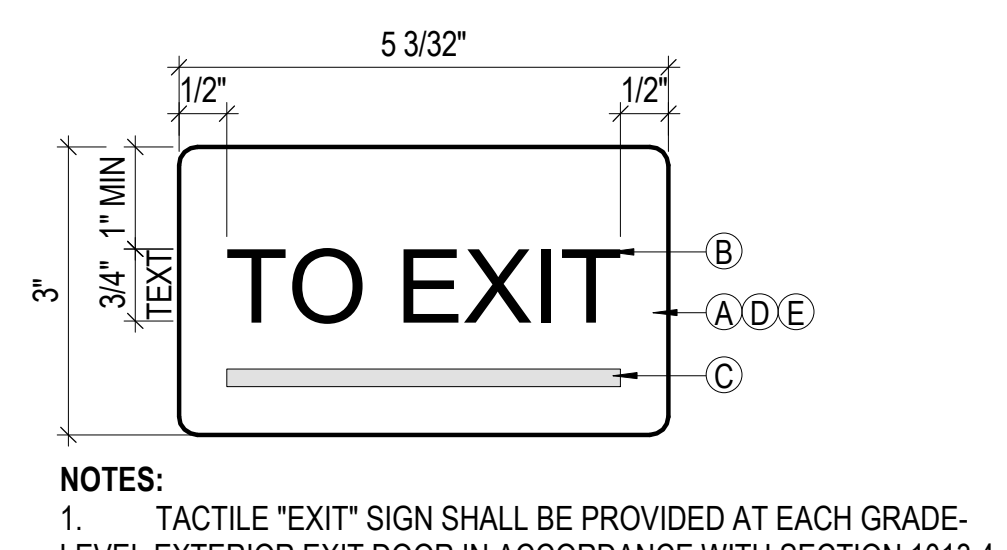
**14** TACTILE ROOM NAME SIGN  
6" = 1'-0"  
DAC APPROVED R07 2021.07.01



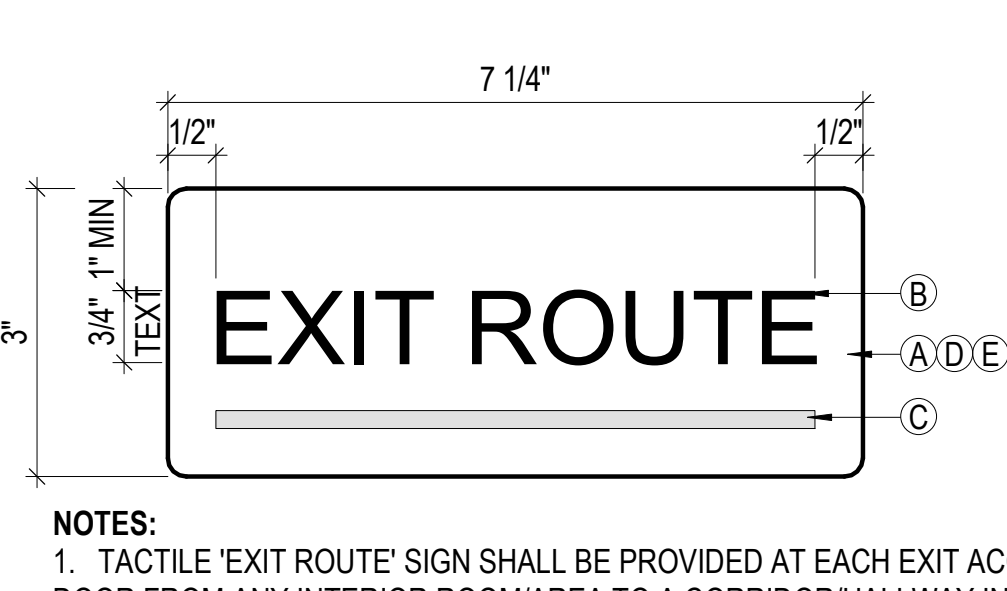
**15** ROOM ID SIGN  
6" = 1'-0"  
DAC APPROVED R07 2021.07.01



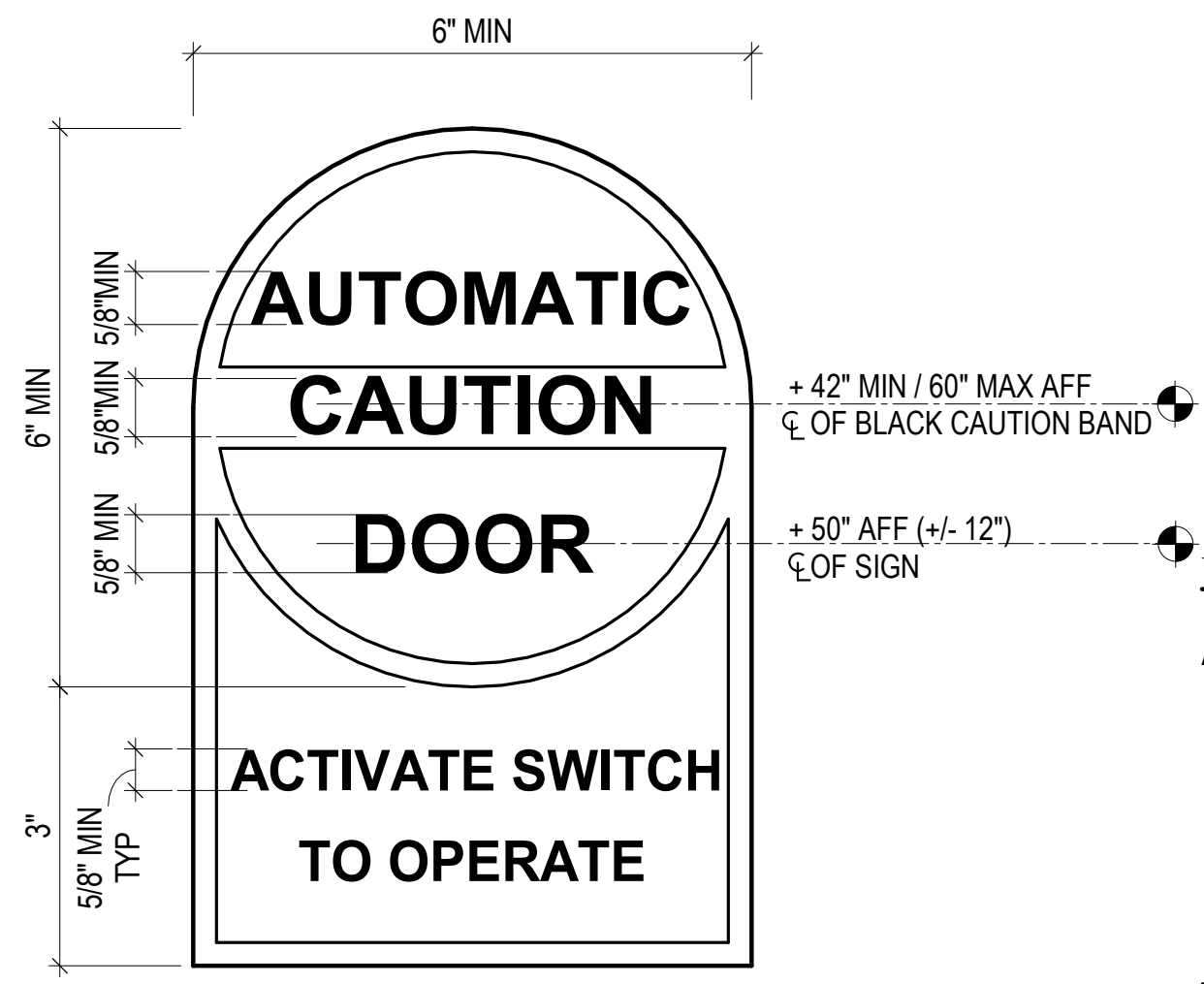
**12A** TACTILE EXIT DOOR SIGNS - EXIT  
6" = 1'-0"  
DAC APPROVED R07 2021.07.01



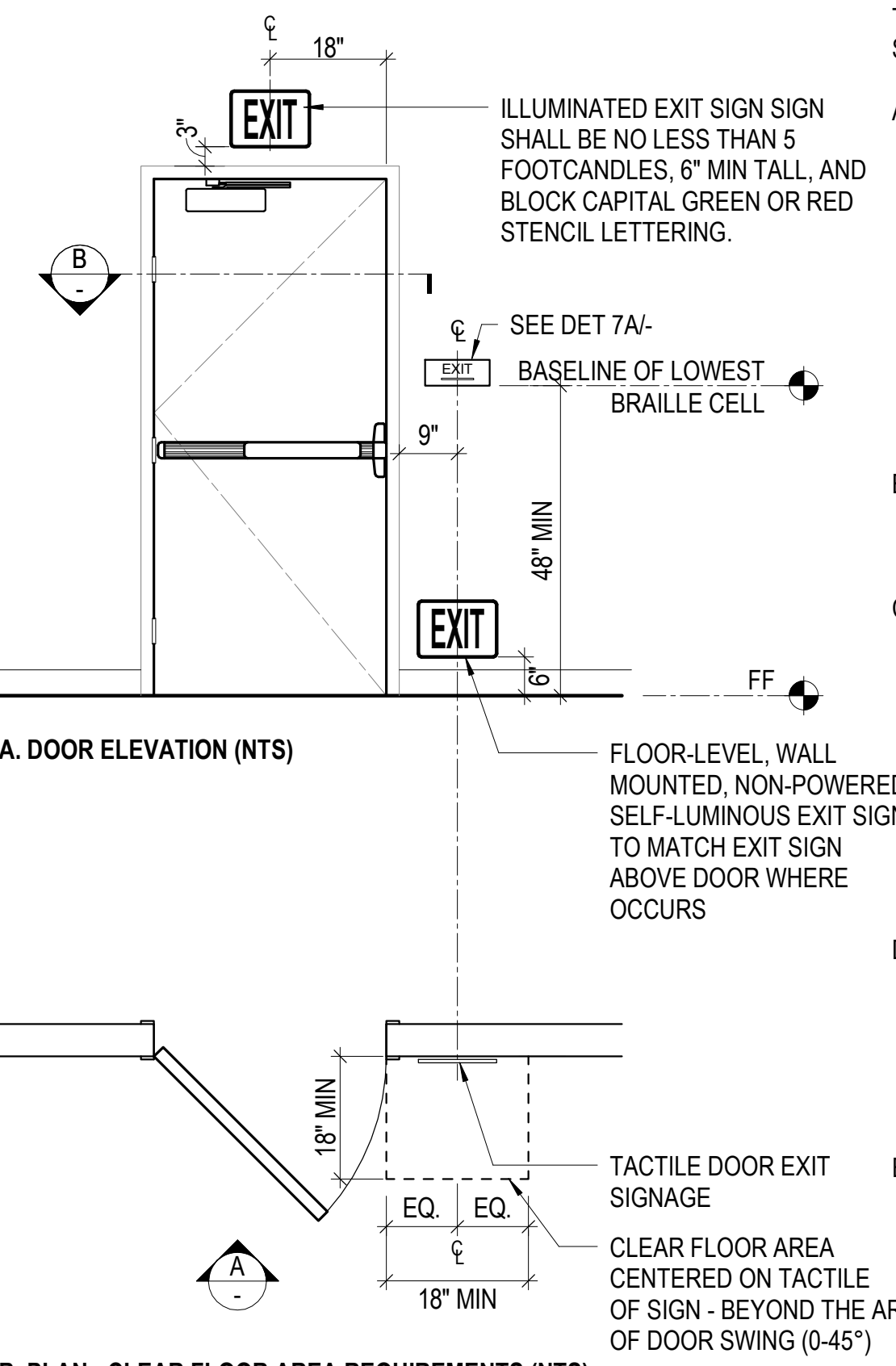
**12B** TACTILE EXIT DOOR SIGNS - TO EXIT  
6" = 1'-0"  
DAC APPROVED R07 2021.07.01



**12C** TACTILE EXIT DOOR SIGNS - EXIT ROUTE  
6" = 1'-0"  
DAC APPROVED R07 2021.07.01



**8** CAUTION SIGN AT POWERED DOOR  
6" = 1'-0"  
DAC APPROVED R07 2021.07.01



**5** TACTILE SIGNAGE LOCATIONS  
1/2" = 1'-0"  
DAC APPROVED R07 2021.07.01

- TACTILE SIGNAGE NOTES:**
- TACTILE ROOM IDENTIFICATION SIGNS AND TACTILE EXIT SIGNS SHALL BE MOUNTED AS SHOWN IN DETAIL 3 ON THIS SHEET.
- A. TACTILE CHARACTERS AND TEXT
    - I. CHARACTER SHALL BE RAISED 1/32" MIN ABOVE THE BACKGROUND. SIGN COLOR SHALL CONTRAST WITH ITS BACKGROUND, LIGHT ON DARK OR DARK ON LIGHT.
    - II. CHARACTERS SHALL BE UPPER CASE, SAN SERIF. CHARACTERS SHALL NOT BE ITALIC, OBLIQUE, SCRIPT, HIGHLY DECORATIVE, OR OF OTHER UNUSUAL FORMS.
    - III. CHARACTER PROPORTIONS, HEIGHT, STROKE, THICKNESS, SPACING SHALL COMPLY WITH CBC 11B-703.2 RAISED CHARACTERS REQUIREMENTS. CHARACTERS SHALL BE 3/4" MIN. HEIGHT AND FORMATTED HORIZONTALLY, UON.
  - B. NON-TACTILE CHARACTERS AND TEXT
    - I. SHALL COMPLY WITH NOTE A, PARAGRAPHS II AND III AND WITH NOTES D AND E.
  - C. BRAILLE (SEE PROJECT SPECIFICATIONS FOR APPROVAL)
    - I. BRAILLE SHALL BE CONTRACTED GRADE 2 BRAILLE TRANSLATION OF THE TEXT AND BE POSITIONED BELOW THE CORRESPONDING TEXT IN A HORIZONTAL FORMAT, FLUSH LEFT OR CENTERED, UON.
    - II. BRAILLE DOTS SHALL BE DOMED OR ROUNDED. SPACING SHALL CONFORM TO CBC 11B-703.3.
    - III. ALL BRAILLE SHALL BE VERIFIED & APPROVED BY THE LIGHTHOUSE FOR THE BLIND
  - D. MATERIAL & FINISH
    - I. 1/4" THICK SOLID MELAMINE SHEET UON, EASED OR ROUNDED EDGES, CORNERS, AND VERTICES AT 1/16" MIN OR CHAMFERED AT 1/8" MAX.
    - II. NON-GLARE, MATTE OR EGGSHELL, UON
    - III. THE COLOR OF THE SIGN SHALL CONTRAST W/ THE BACKGROUND LIGHT ON DARK OR DARK ON LIGHT DOORS OR WALLS.
  - E. MOUNTING
    - I. SIGNS SHALL BE MOUNTED PER SPECIFICATIONS W/ MECHANICAL FASTENERS AT EXTERIOR SIGNS AND VHB TAPE AT INTERIOR SIGNS. SEE SPECIFICATIONS FOR SIGNS MOUNTED TO GLASS OR FOR VINYL DECAL SIGNS.

San Francisco Water Power Sewer

Services of The San Francisco Public Utility Commission

INFRASTRUCTURE DIVISION  
ENGINEERING MANAGEMENT BUREAU

EMB Mgr. \_\_\_\_\_  
WWE Engineering Mgr. \_\_\_\_\_  
WWE O&M Mgr. \_\_\_\_\_  
Section Mgr. \_\_\_\_\_  
Designed \_\_\_\_\_  
Drawn \_\_\_\_\_  
Checked/Approved \_\_\_\_\_

BUREAU OF ARCHITECTURE

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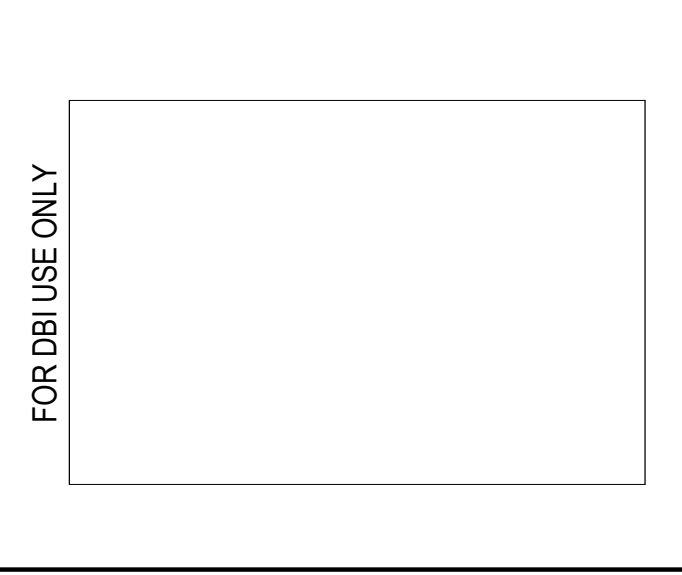
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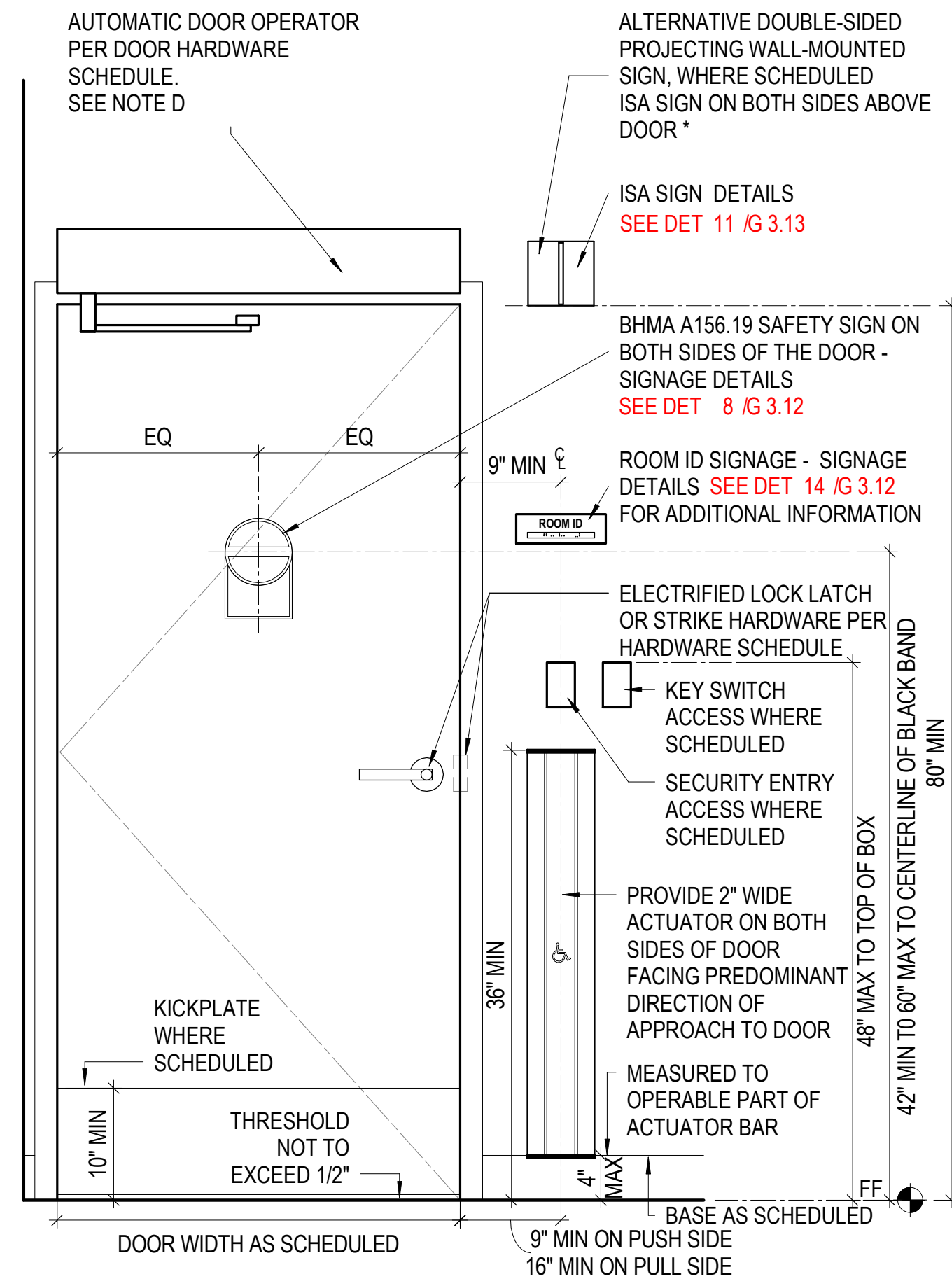
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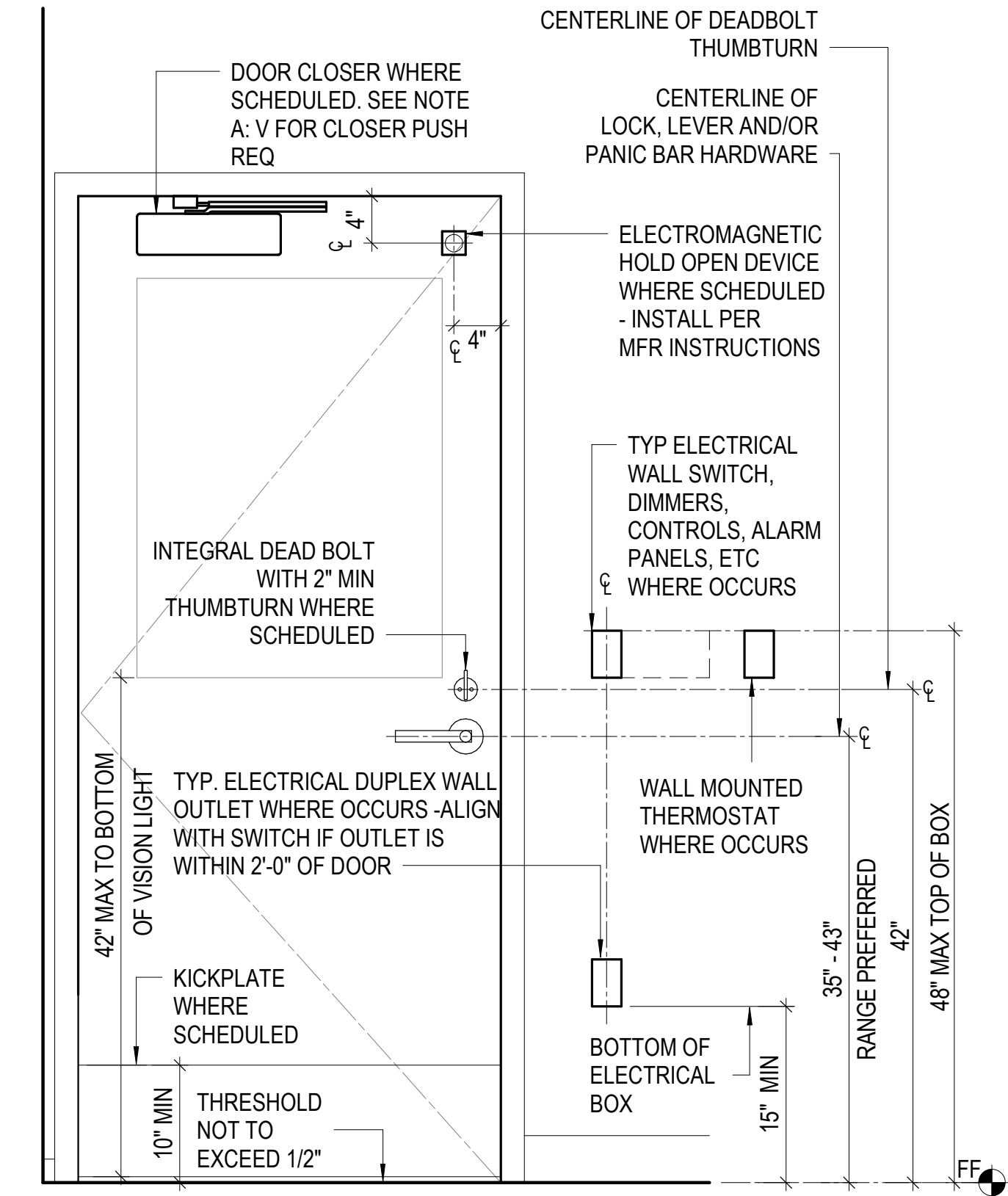
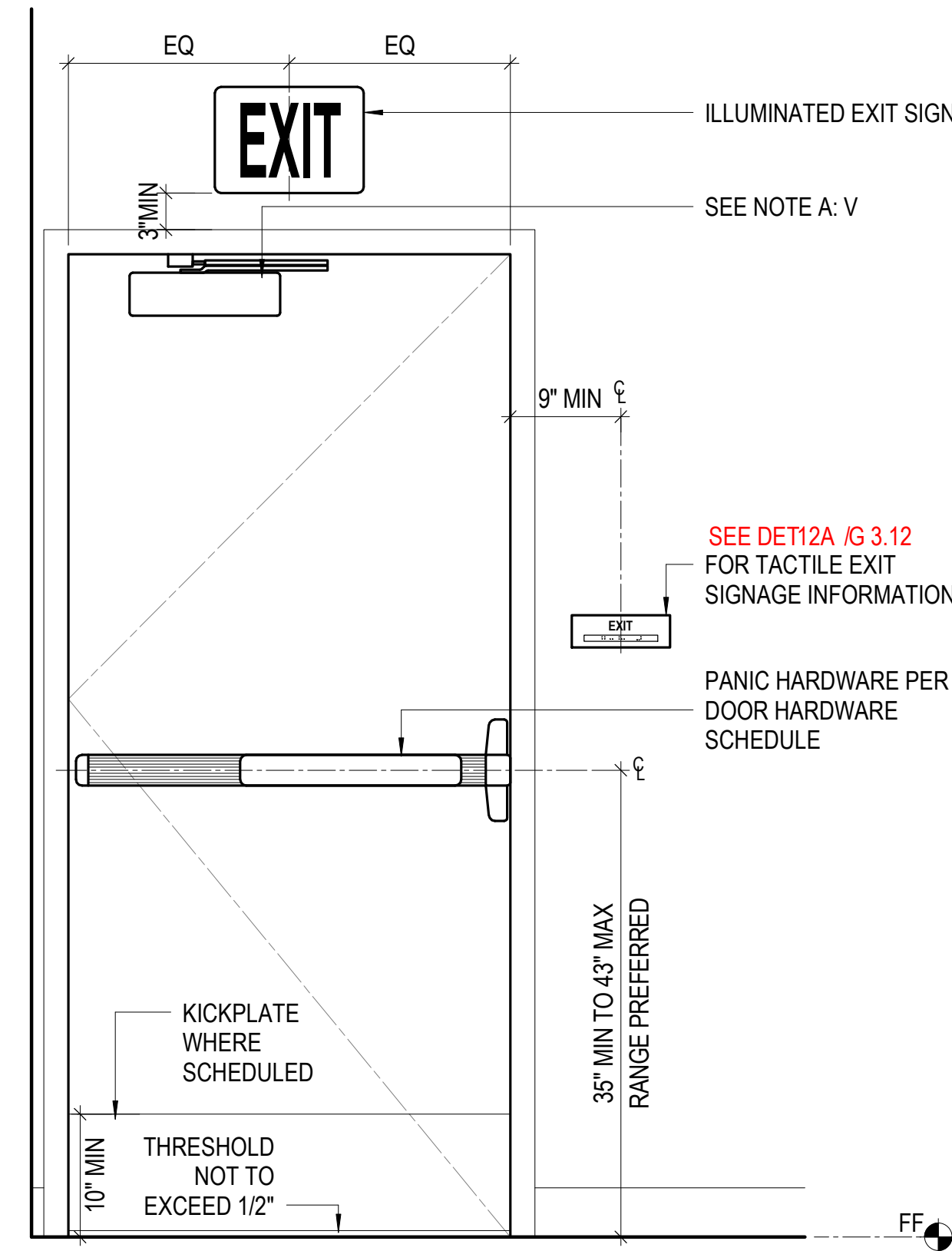
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Contract No.	Drawing Title <b>DOOR EXIT SIGNAGE 10-SIGN-DOOR-ADA-02</b>	Project No. <b>1902</b>	
Elevation Datum	Drawing/File No	Revision No	Scale: As indicated



\* NOTE: ALTERNATIVE DOUBLE-SIDED PROJECTING WALL-MOUNTED SIGN WHERE SCHEDULED. FOR FACILITIES CONTAINING ASSEMBLY OCCUPANCIES OF 300 MORE, PROVIDE 6" MIN ISA SIGN



**11 POWERED OPERATOR HARDWARE**  
1" = 1'-0" DAC APPROVED R07 2021.07.01

**5 EXIT DOOR HARDWARE**  
1" = 1'-0" DAC APPROVED R07 2021.07.01

**2 ELEC SECURITY & CONTROL HARDWARE**  
1" = 1'-0" DAC APPROVED R07 2021.07.01

**TYPICAL DOOR AND GATE ACCESSIBILITY REQUIREMENTS:**  
ALL DOORS AND GATES SHALL COMPLY WITH TITLE 24 CALIFORNIA BUILDING CODE (CBC) AND AS SUPERSEDED HEREIN, UNLESS OTHERWISE MODIFIED IN THE CONSTRUCTION DOCUMENTS.

**A. ACCESSIBLE DOORS AND GATES:**

- I. **CLEARANCES.**  
DOORS AND GATES SHALL BE CAPABLE OF AN OPENING SWEEP OF 90 DEGREES MIN. THE CLEAR OPENING AT DOORS AND GATES SHALL BE 32" MIN FROM FACE OF DOOR JAMB STOP TO FACE OF DOOR WHEN OPENED TO 90 DEGREE POSITION, UON.
- II. **THRESHOLDS.** TOP OF THRESHOLDS SHALL NOT EXCEED 1/2" AFF FLOOR, CARPET FINISH, OR CONCRETE. CHANGES IN LEVEL OF 1/4" MAX HIGH SHALL BE PERMITTED TO BE VERTICAL. CHANGES IN LEVEL BETWEEN 1/4" MIN TO 1/2" MAX SHALL BE BEVELED WITH A SLOPE NOT STEEPER THAN 1:2. THE SLOPE OF TOP SURFACE OF THRESHOLDS SHALL NOT EXCEED 1:20.

III. **LEVEL MANEUVERING CLEARANCES.**

FLOOR AREAS ON EITHER SIDE OF DOOR SHALL NOT EXCEED 1.5% SLOPE IN ANY DIRECTION. CHANGES IN LEVEL ARE NOT PERMITTED.  
TRUNCATED DOMES AND FLOOR DRAINS ARE NOT PERMITTED WITHIN MANEUVERING CLEARANCES  
RECTANGULAR MANEUVERING CLEARANCES INDICATED ARE TO BE FREE OF PROTRUSIONS UP TO 80" AFF.

IV. **PUSH-SIDE KICK PLATE AREAS**

- a. SWINGING DOOR AND GATE SURFACES WITHIN 10" OF THE FINISH FLOOR OR GROUND SHALL HAVE A SMOOTH SURFACE ON THE PUSH SIDE EXTENDING THE FULL WIDTH OF THE DOOR OR GATE.
- b. ON GLASS DOORS, THE KICK PLATE AREA SHALL BE A MATERIAL OTHER THAN GLASS. PROTRUDING HINGE AND LOCKING PADS ARE TO BE PERMITTED IN THE KICK-PLATE AREA.
- c. SURFACE MOUNTED BOLTS OR PROTRUDING RIMS OF CYLINDER LOCKS ARE NOT PERMITTED IN THIS AREA. PARTS CREATING HORIZONTAL OR VERTICAL JOINTS IN THIS SURFACE SHALL BE WITHIN 1/16" OF THE SAME PLANE AT THE OTHER, AND BE FREE OF SHARP OR ABRASIVE EDGES. CAVITIES CREATED BY ADDED KICK PLATES SHALL BE CAPPED.

V. **FORCE FOR PUSHING OR PULLING OPEN A DOOR OR GATES:**

- a. INTERIOR DOORS AND GATES: 5 LBS MAX
- b. SLIDING OR FOLDING DOORS AND PEDESTRIAN-GATES: 5 LBS MAX.
- c. REQUIRED FIRE DOORS: THE MIN OPENING FORCE ALLOWABLE BY THE APPROPRIATE ADMINISTRATIVE AUTHORITY, TO ENSURE POSITIVE LATCHING, BUT NOT TO EXCEED 15LBS.
- d. EXTERIOR HINGED DOORS: 5 LBS MAX.
- e. AT POWERED DOORS, MANUAL DOOR LEAFS IN THE SAME LOCATION: 8 1/2 LBS MAX.
- f. DOORS TO ROOMS FOR FACILITIES LISTED IN CBC 11B-203 GENERAL EXCEPTIONS ARE NOT REQUIRED TO COMPLY WITH THESE FORCE REQUIREMENTS.

VI. **CLOSING SPEED OR GATES.**

DOORS WITH AUTOMATIC CLOSERS SHALL BE ADJUSTED SO THAT FROM THE OPEN POSITION OF 90 DEGREES, THE TIME REQUIRED TO MOVE THE DOOR TO A POSITION TO 12 DEGREES FROM LATCH IS 5 SECONDS MIN SPRING HINGES SHALL BE ADJUSTED SO THAT FROM 70 DEGREES, THE DOOR OR GATE SHALL MOVE TO THE CLOSED POSITION IN 1.5 SECONDS.

B. **RATED DOOR ASSEMBLIES.**

SHALL BE POSITIVE LATCHING AND INCLUDE A CLOSER. RATED ASSEMBLIES SHALL COMPLY WITH CBC CHAPTER 10 REQUIREMENTS AND THOSE OF THE CONSTRUCTION DOCUMENTS AND SPECIFICATIONS. MANUFACTURER'S INSTALLATION INSTRUCTIONS SHALL BE AVAILABLE ON THE JOB SITE FOR ALL RATED DOOR ASSEMBLIES.

C. **SAFETY GLAZING SAFETY.**

GLAZING AT DOORS SHALL COMPLY WITH CBC CHAPTER 24. SECTION 2406 AND THE DRAWINGS.

D. **POWERED DOORS.**

- I. POWERED DOORS SHALL COMPLY WITH EXCEPTIONS IN CBC 11B-404.2.9
- II. POWERED DOORS ARE REQUIRED FOR PRIMARY PUBLIC AND EMPLOYEE ENTRANCES TO BUILDINGS AND FACILITIES, UON. WHERE A PAIR OF DOORS OCCURS IN THAT ASSEMBLY, BOTH LEAFS SHALL BE POWERED.
- III. POWERED DOORS ARE PERMITTED IN LIEU OF OPENING FORCES NOTED IN DOOR AND GATE REQUIREMENTS NOTE A.5. MANUAL FORCE ON POWERED DOOR PANELS IS 8 1/2 LBS.
- IV. SAN FRANCISCO BUILDING DEPARTMENT INFORMATIONAL BULLETINS PERMISSIBLE USE OF POWERED DOORS IN ALTERATIONS IS ACCEPTED BY THESE REQUIREMENTS.
- V. VERTICAL DOOR ACTUATORS ARE REQUIRED, AND ARE REQUIRED TO BE DIRECTLY WIRED TO DOOR OPERATOR UON. WHERE SENSING DEVICES ARE UTILIZED, A LOW PUSH PLATE SHALL BE PROVIDED UON.
- VI. POWERED DOORS SHALL HAVE KEYED OR TOGGLE WALL SWITCH DISCONNECT IN THE NEAR VICINITY OF THE POWERED DOOR.
- VII. POWERED DOOR HARDWARE, ACTUATORS AND DISCONNECT IS PERMITTED TO BE INTEGRATED WITH SECURITY SYSTEMS. OBTAIN AN OPERATIONAL NARRATIVE FROM THE CITY'S REPRESENTATIVE.
- VIII. CBC 11B-404.2.9 EXCEPTIONS C, D AND E CONTAIN SIGNAGE REQUIREMENTS THAT ARE NOT COMPLETELY IDENTIFIED IN DETAILS SHOWN IN THE TYPICAL ACCESSIBLE DOOR AND GATE SHEET.

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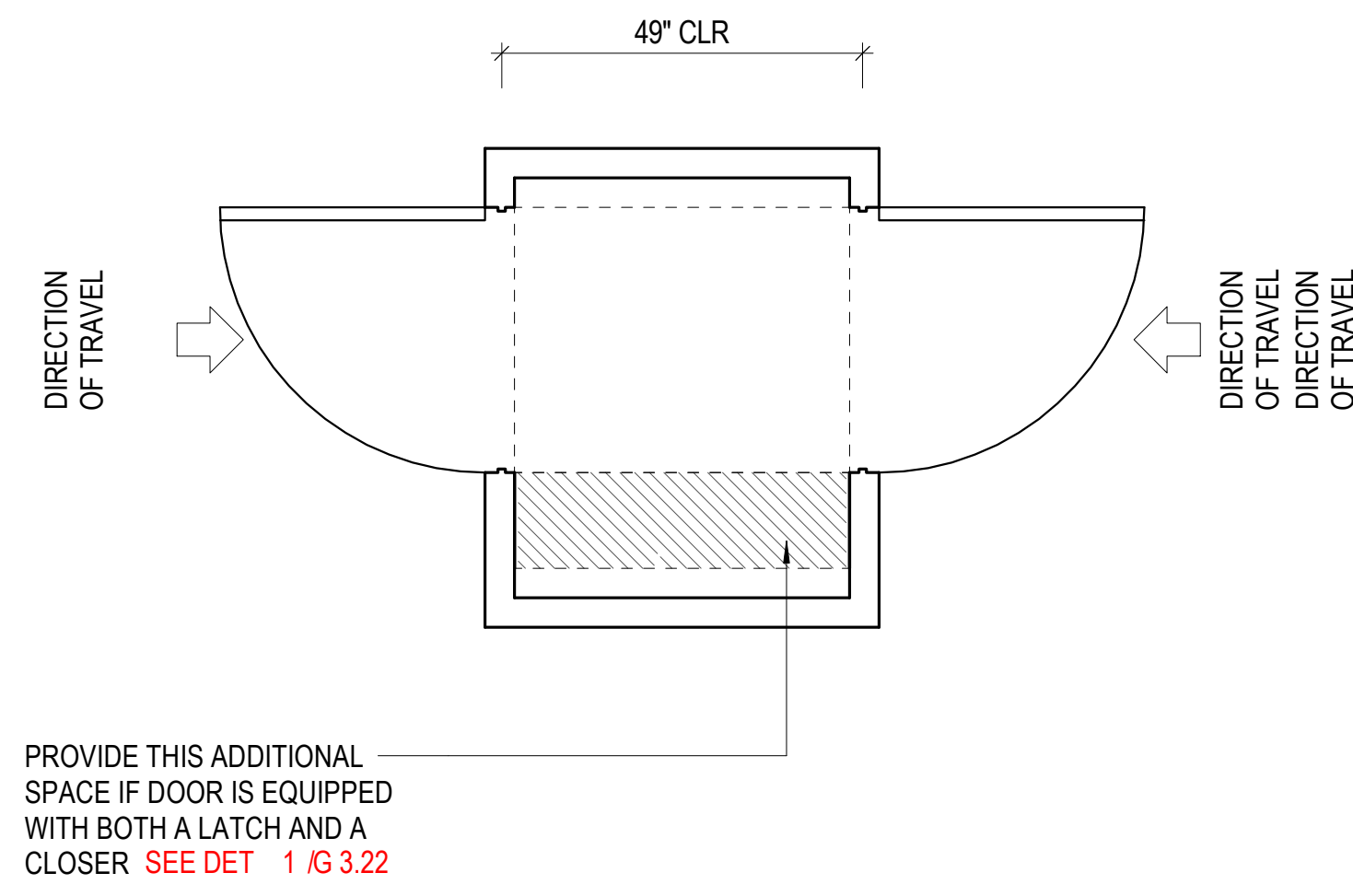
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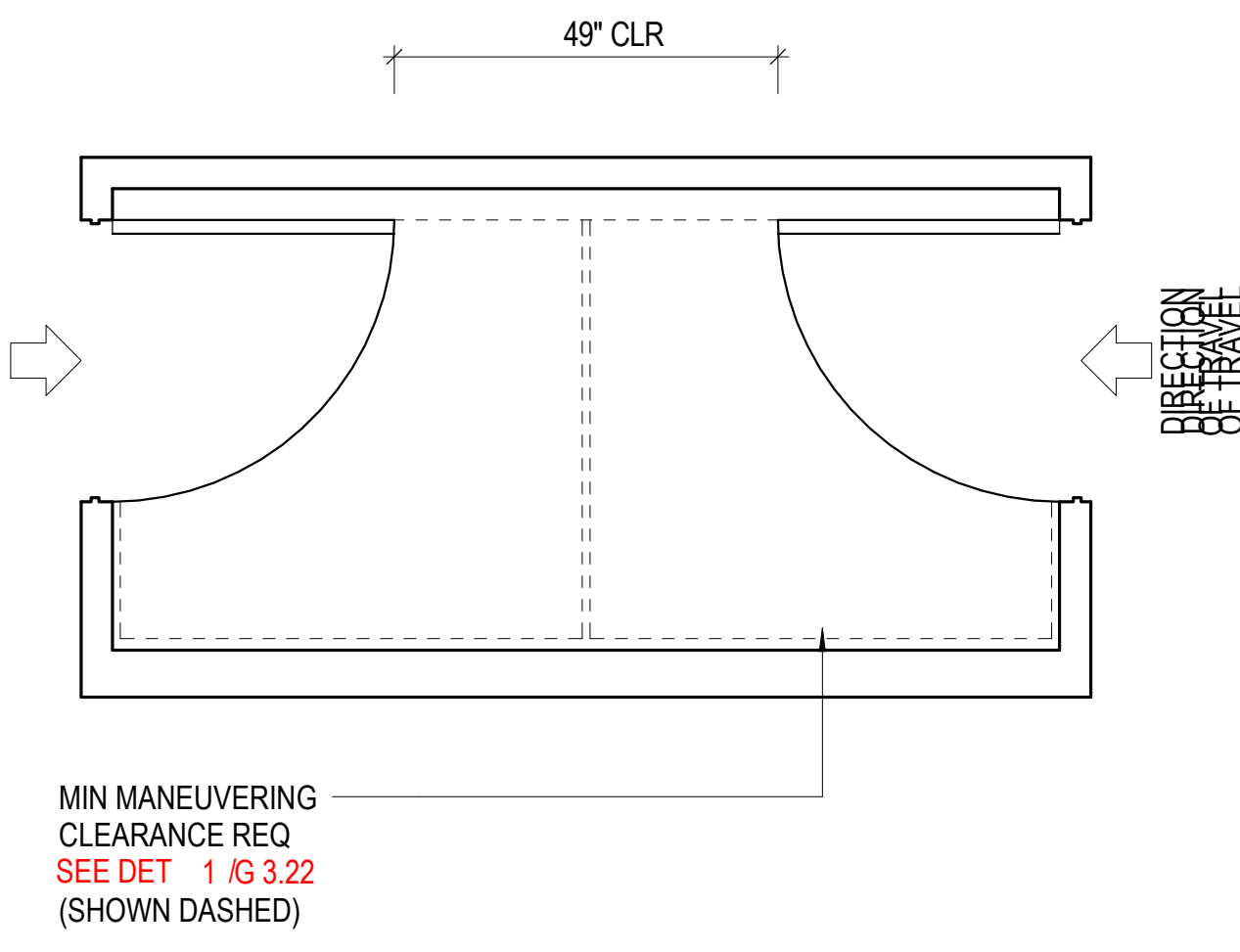
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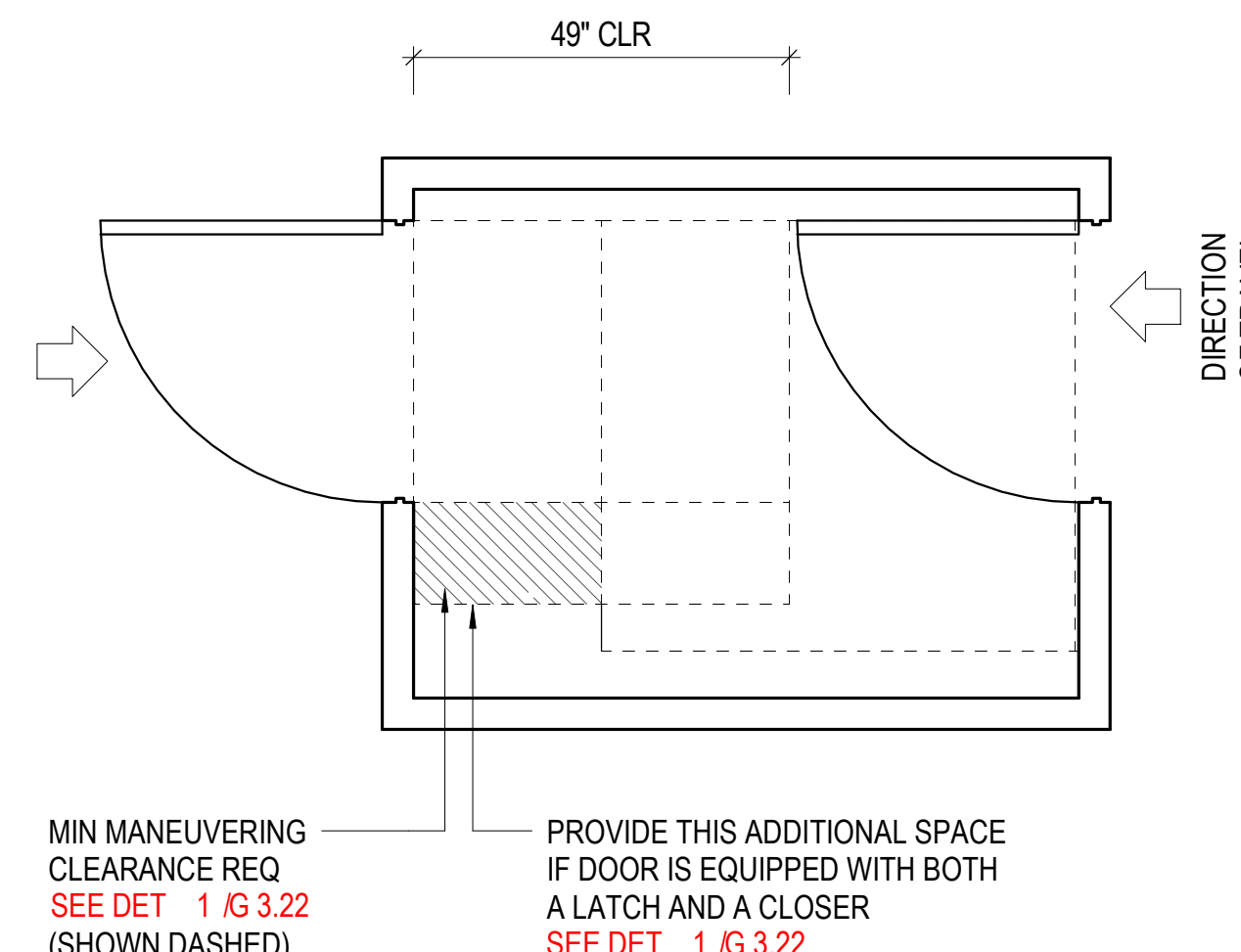
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Contract No	Drawing Title <b>TYPICAL ACCESSIBLE DOORS AND GATES</b>	Project No. <b>1902</b>
Elevation Datum	Drawing/File No	Revision No
		Scale: As indicated



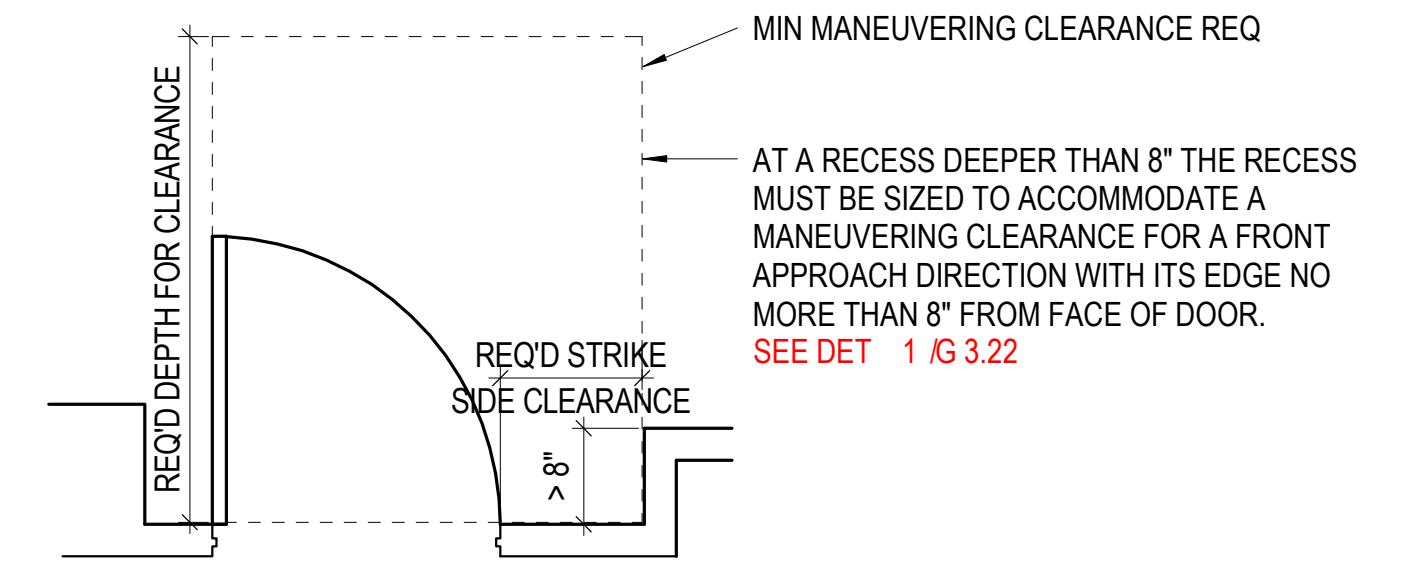
**10 VESTIBULE OUTSWINGING DOORS IN SERIES**  
1/2" = 1'-0" DAC APPROVED R07 2021.07.01



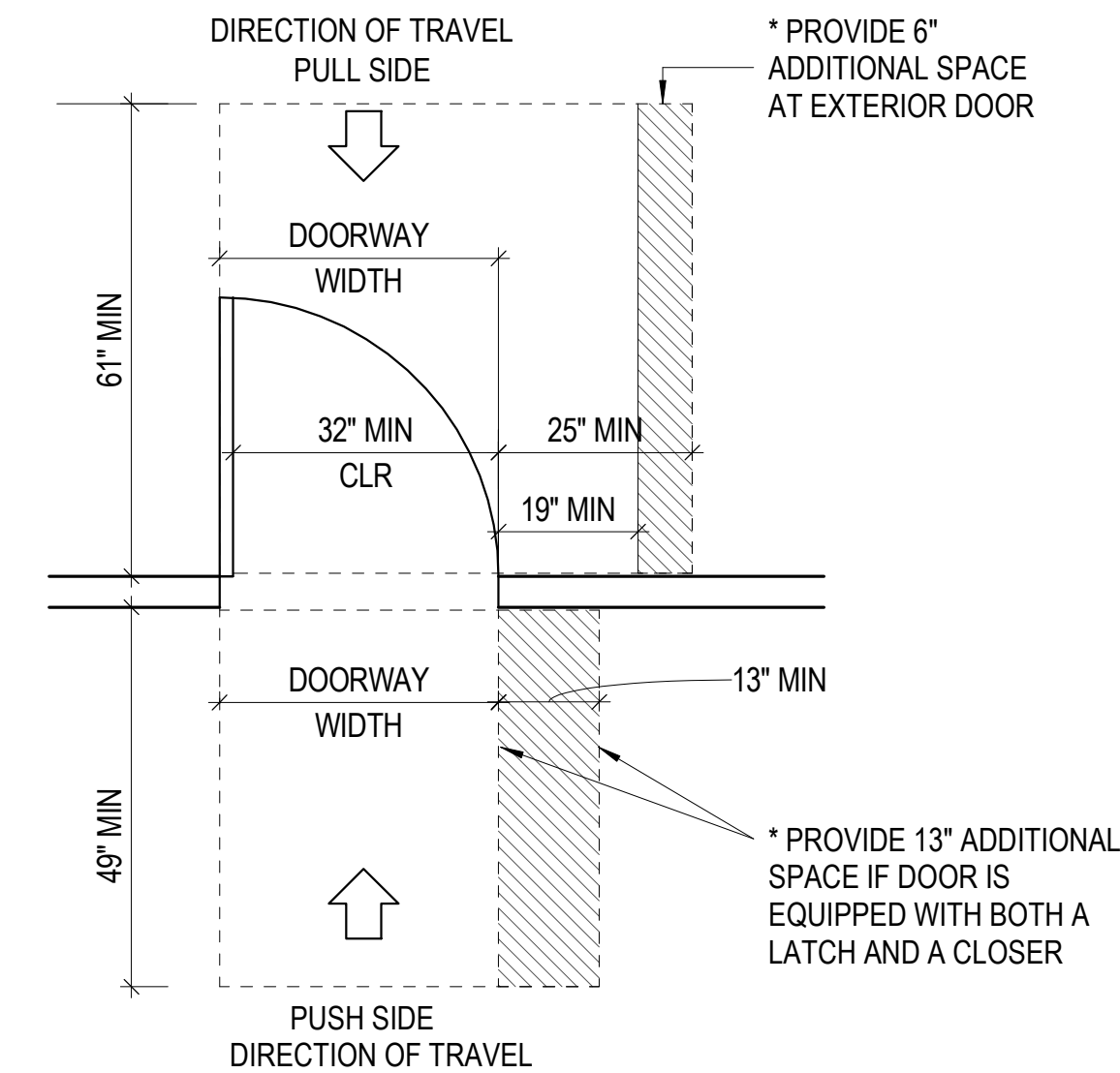
**7 VESTIBULE INSWINGING DOORS IN SERIES**  
1/2" = 1'-0" DAC APPROVED R07 2021.07.01



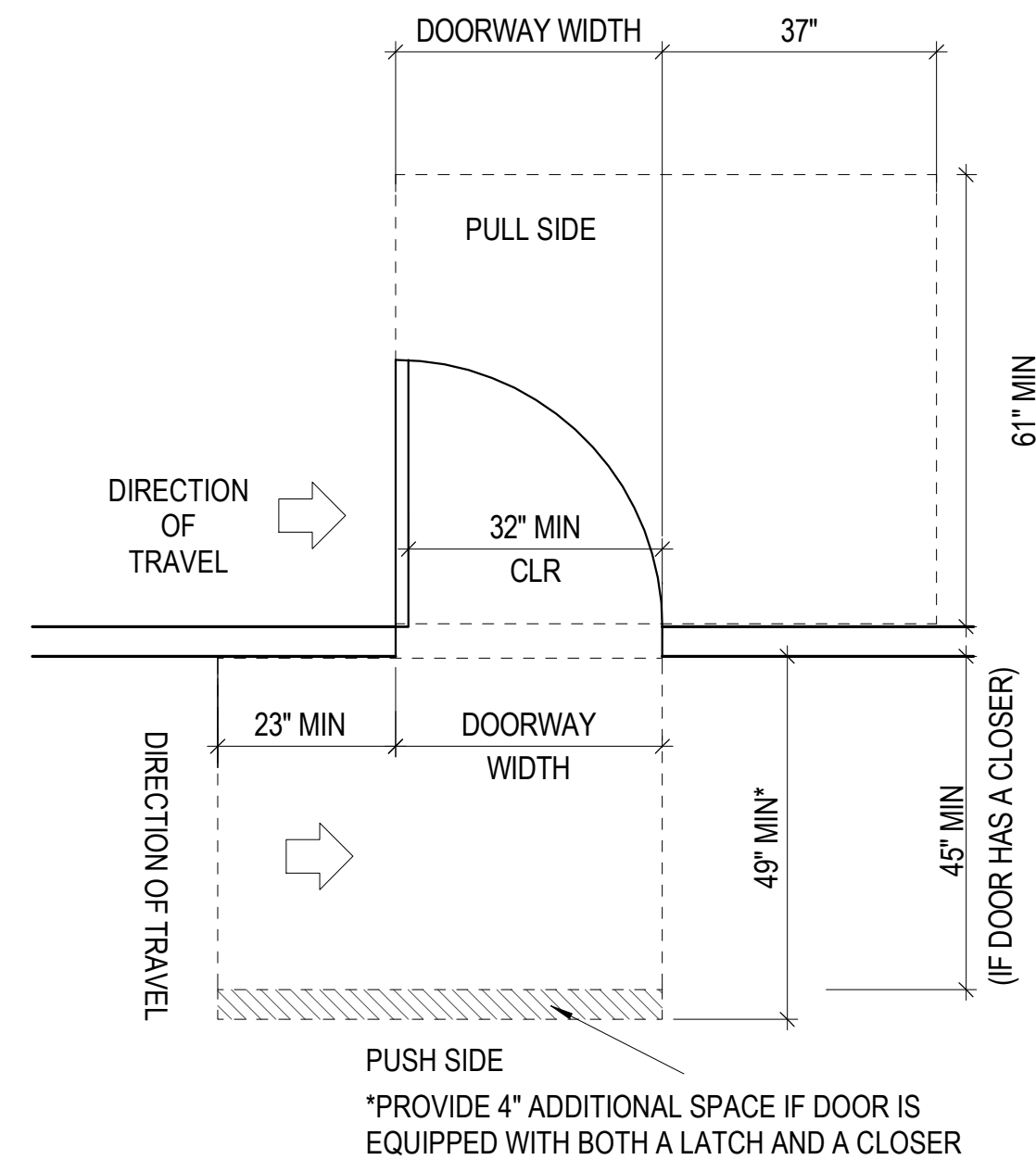
**4 VESTIBULE UNIDIRECTIONAL DOORS IN SERIES**  
1/2" = 1'-0" DAC APPROVED R07 2021.07.01



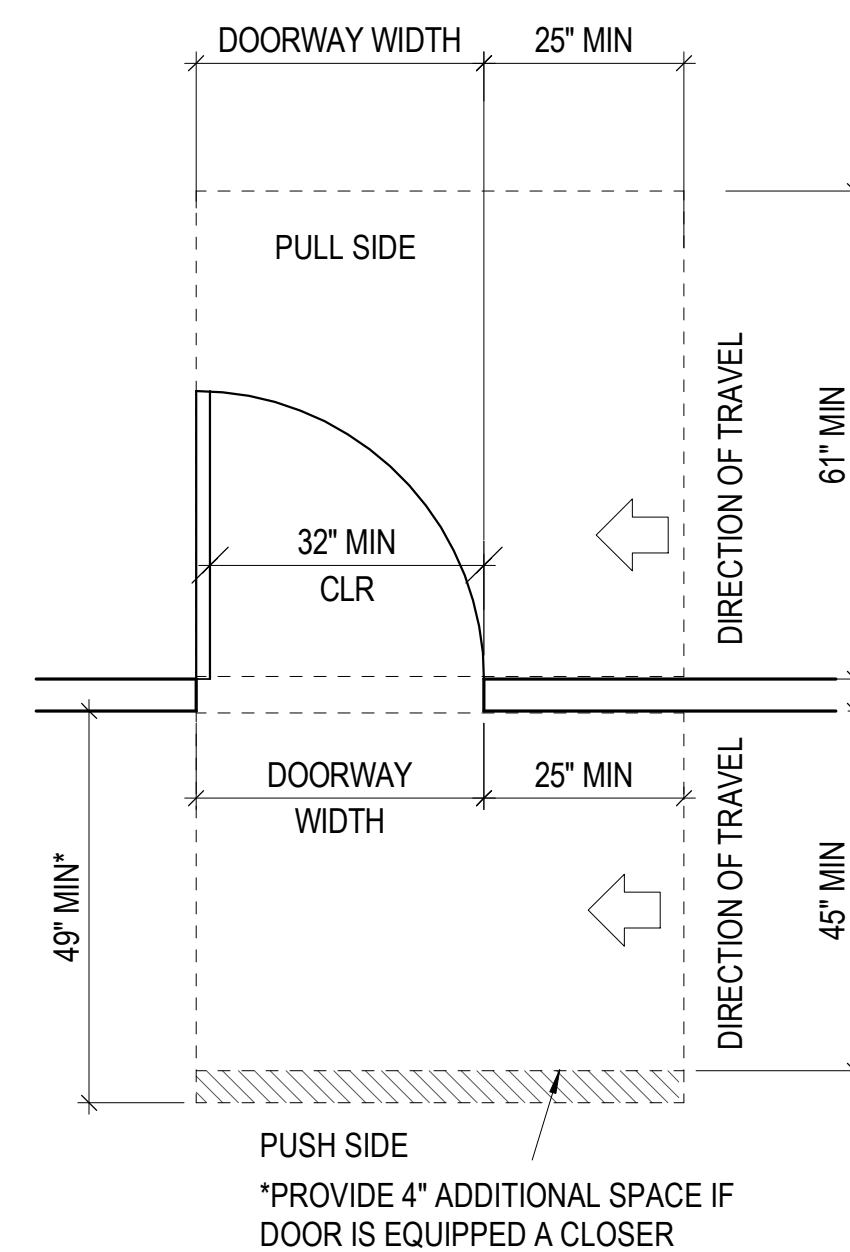
**9 DOOR RECESSED DEEPER THAN 8 INCHES**  
1/2" = 1'-0" DAC APPROVED R07 2021.07.01



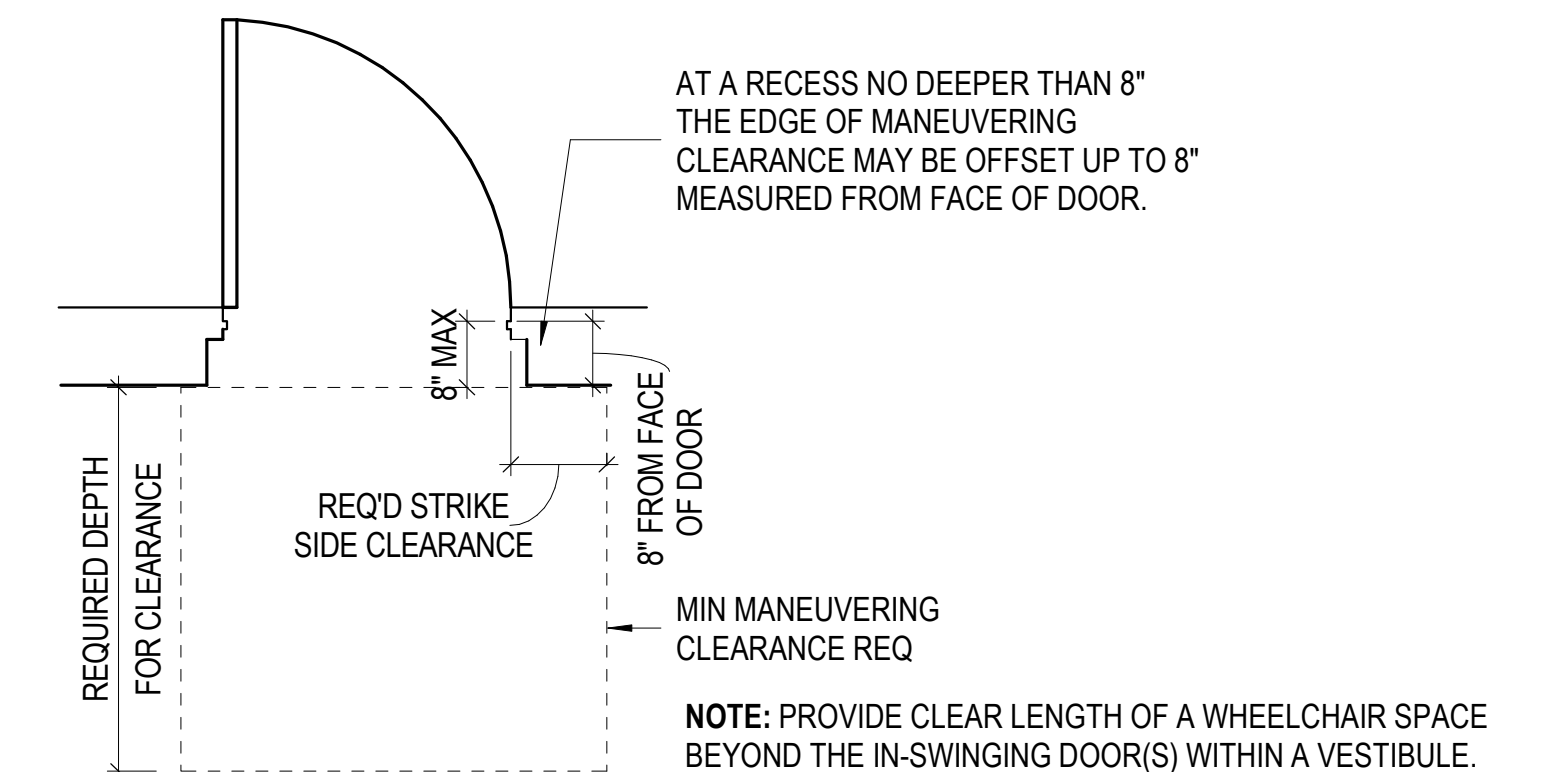
**1 FRONT APPROACH-DIRECTION**  
1/2" = 1'-0" DAC APPROVED R07 2021.07.01



**2 HINGE-SIDE APPROACH-DIRECTION**  
1/2" = 1'-0" DAC APPROVED R07 2021.07.01



**3 LATCH-SIDE APPROACH-DIRECTION**  
1/2" = 1'-0" DAC APPROVED R07 2021.07.01



**12 DOOR RECESSED UP TO 8 INCHES**  
1/2" = 1'-0" DAC APPROVED R07 2021.07.01

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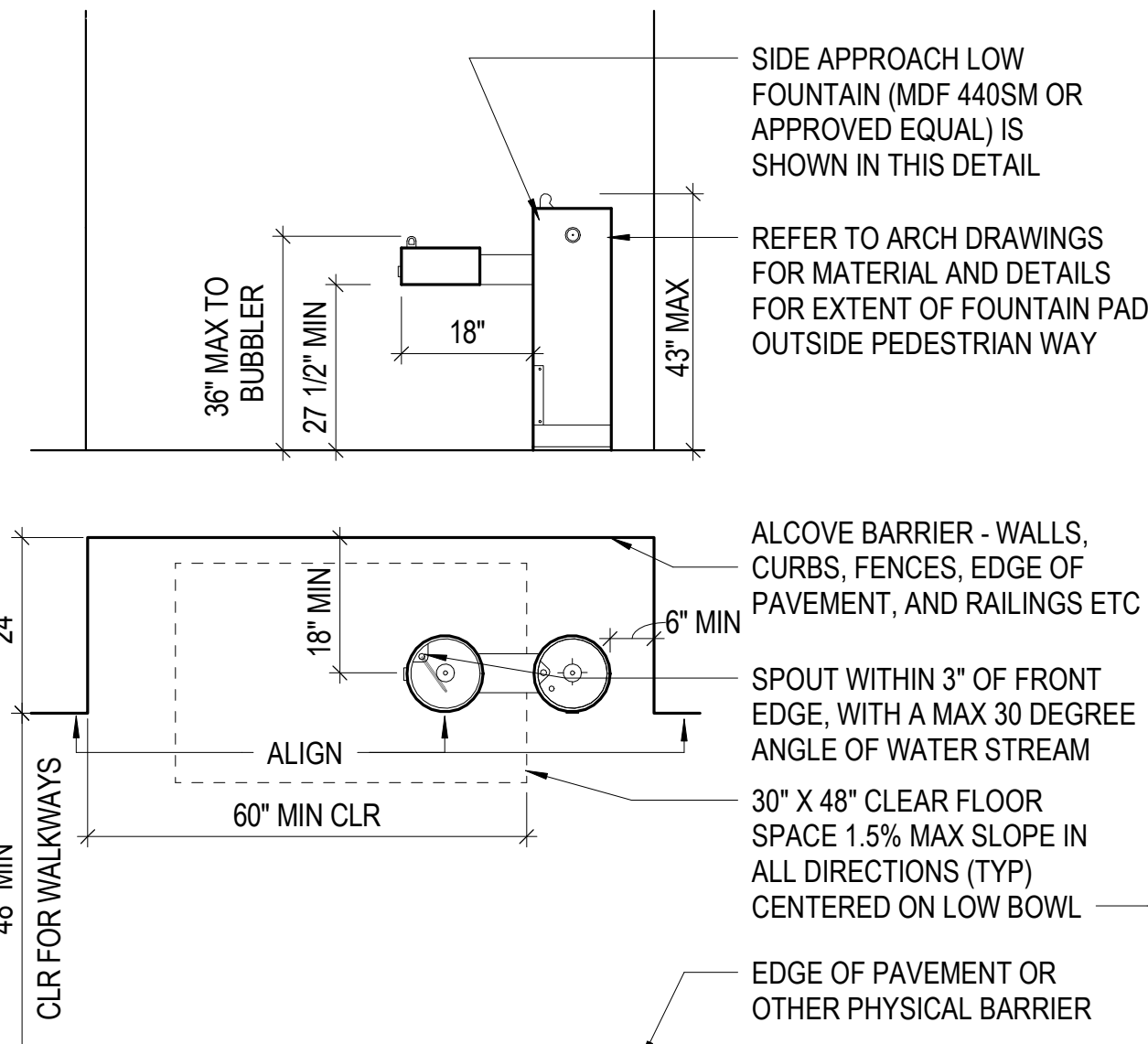
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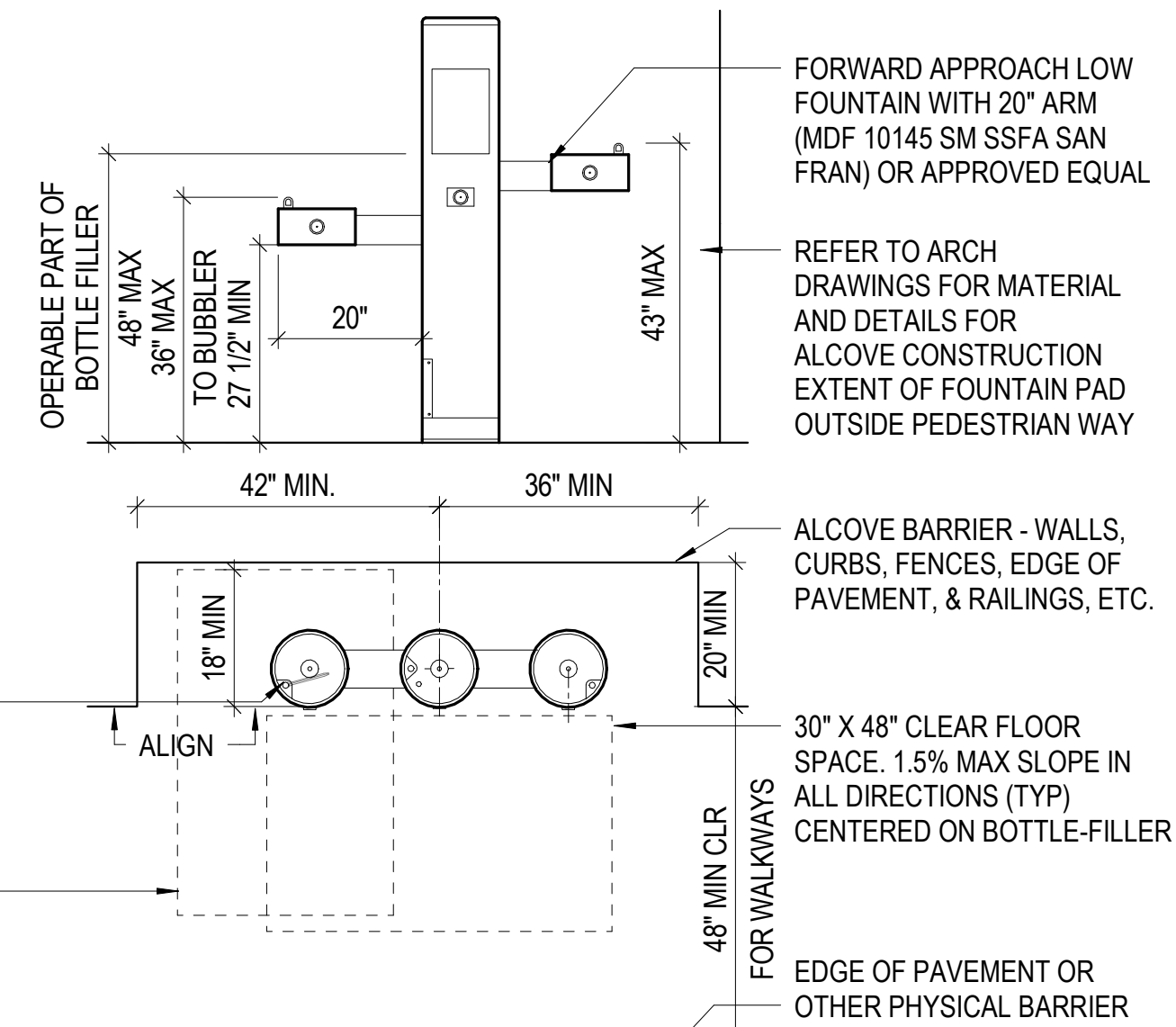
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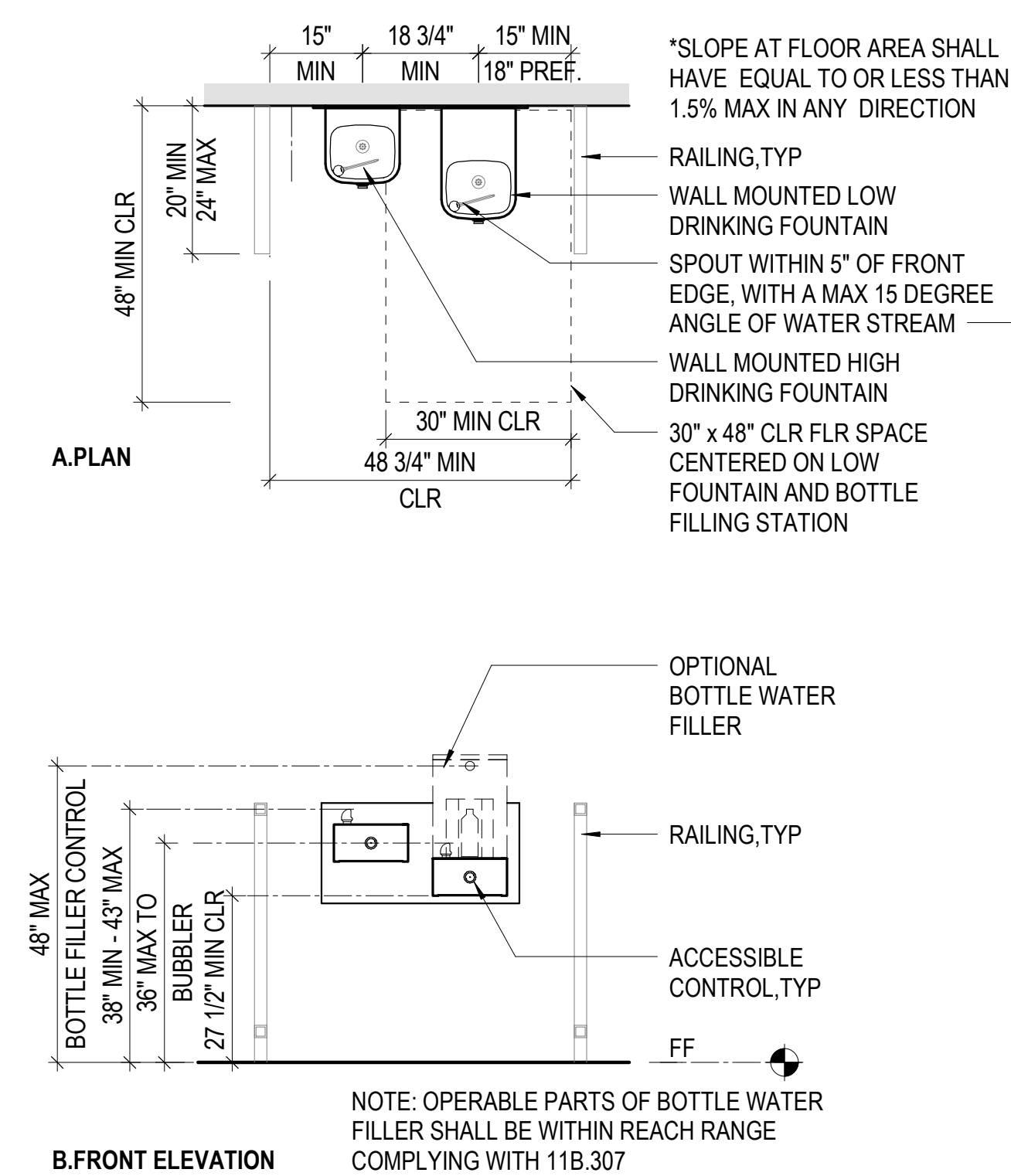
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	2801 Great Highway San Francisco, CA 94132			
Contract No.	Drawing Title	ACCESSIBLE SLIDING DOORS AND VESTIBULES		Project No.
				1902
Elevation Datum	Drawing/File No	Revision No	Scale: 1/2" = 1'-0"	



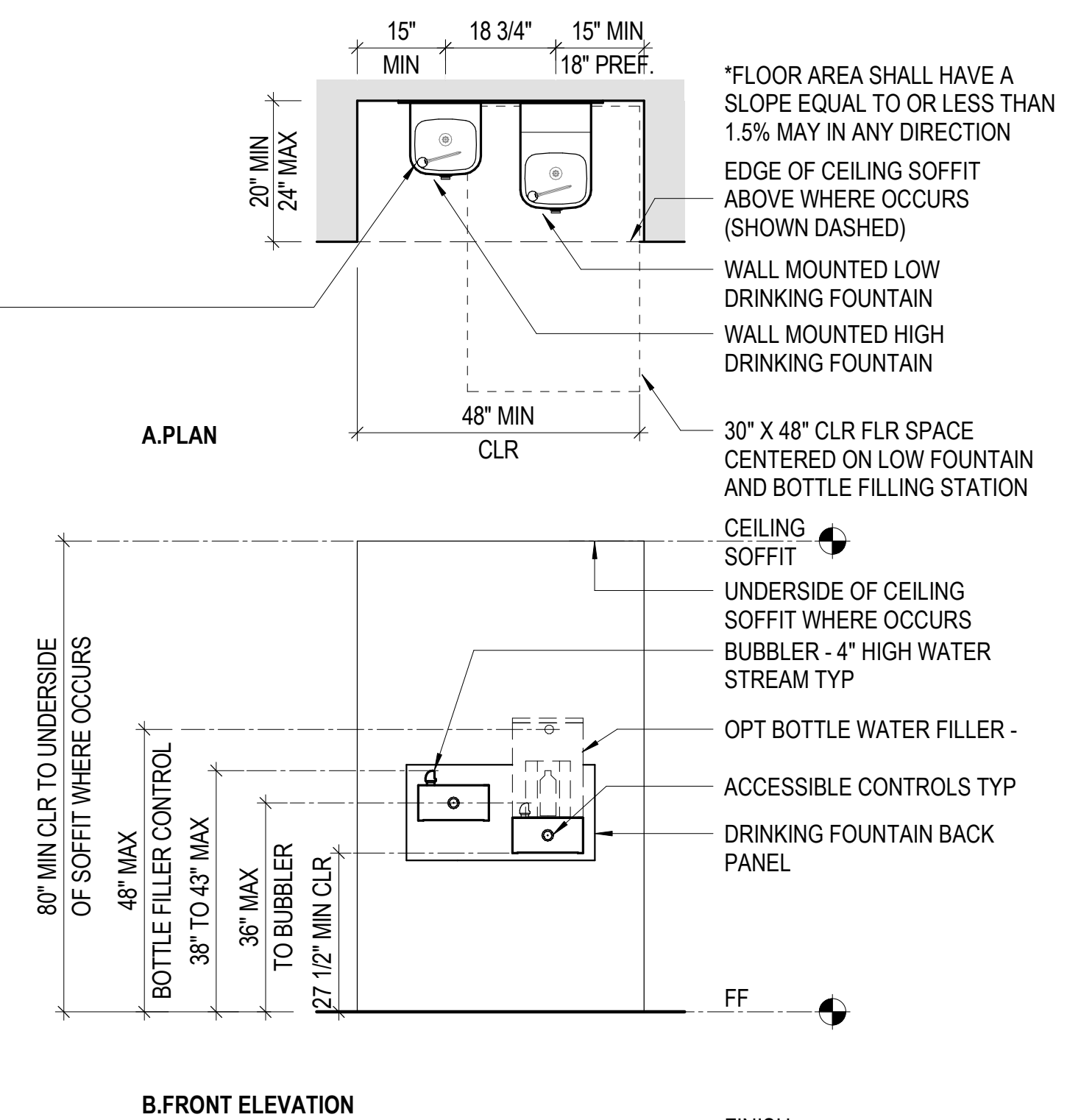
**14** SIDE APPROACH PEDESTAL FOUNTAIN  
1/2" = 1'-0" DAC APPROVED R07 2021.07.01



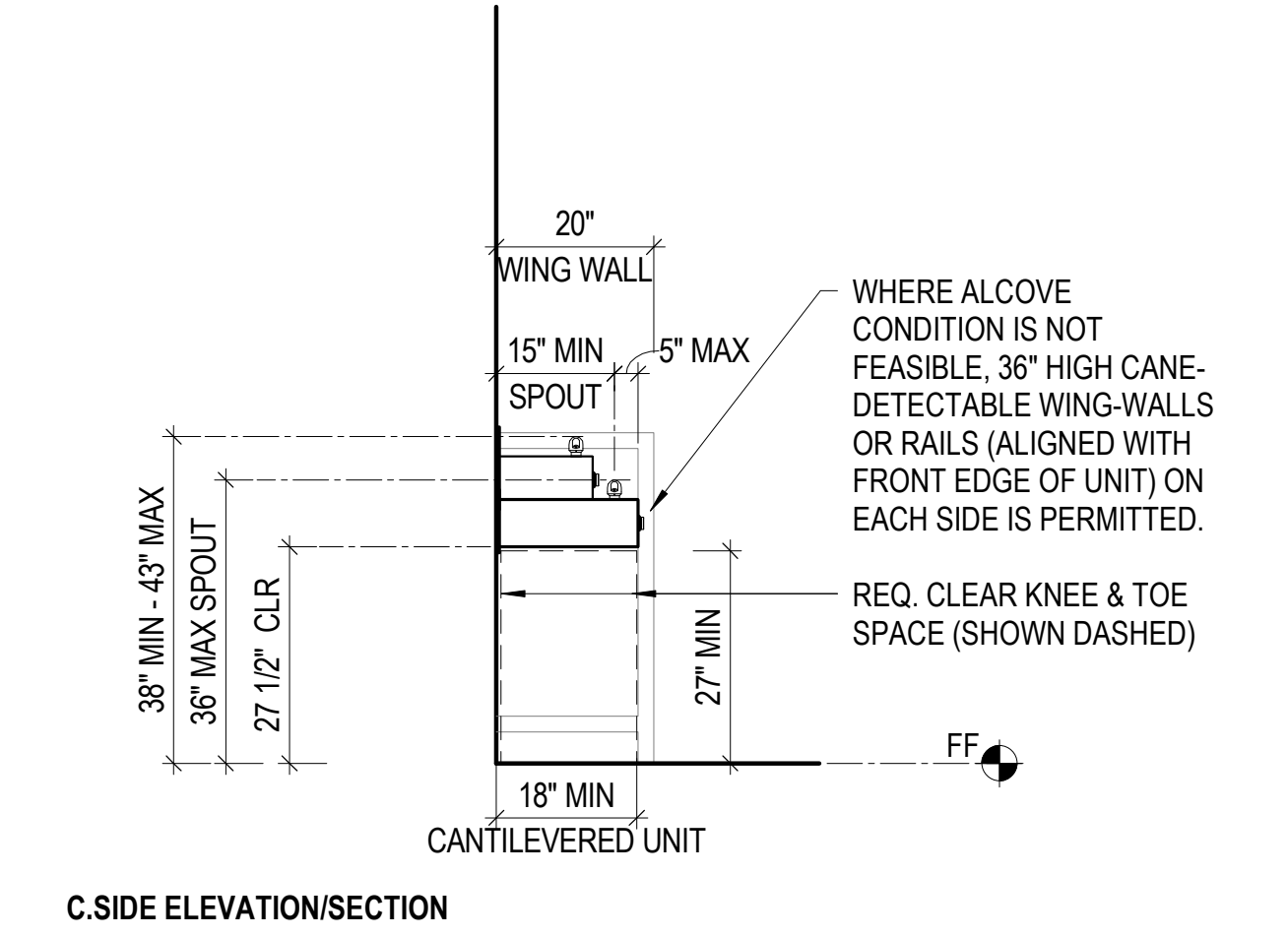
**11** FORWARD APPROACH PEDESTAL FOUNTAIN  
1/2" = 1'-0" DAC APPROVED R07 2021.07.01



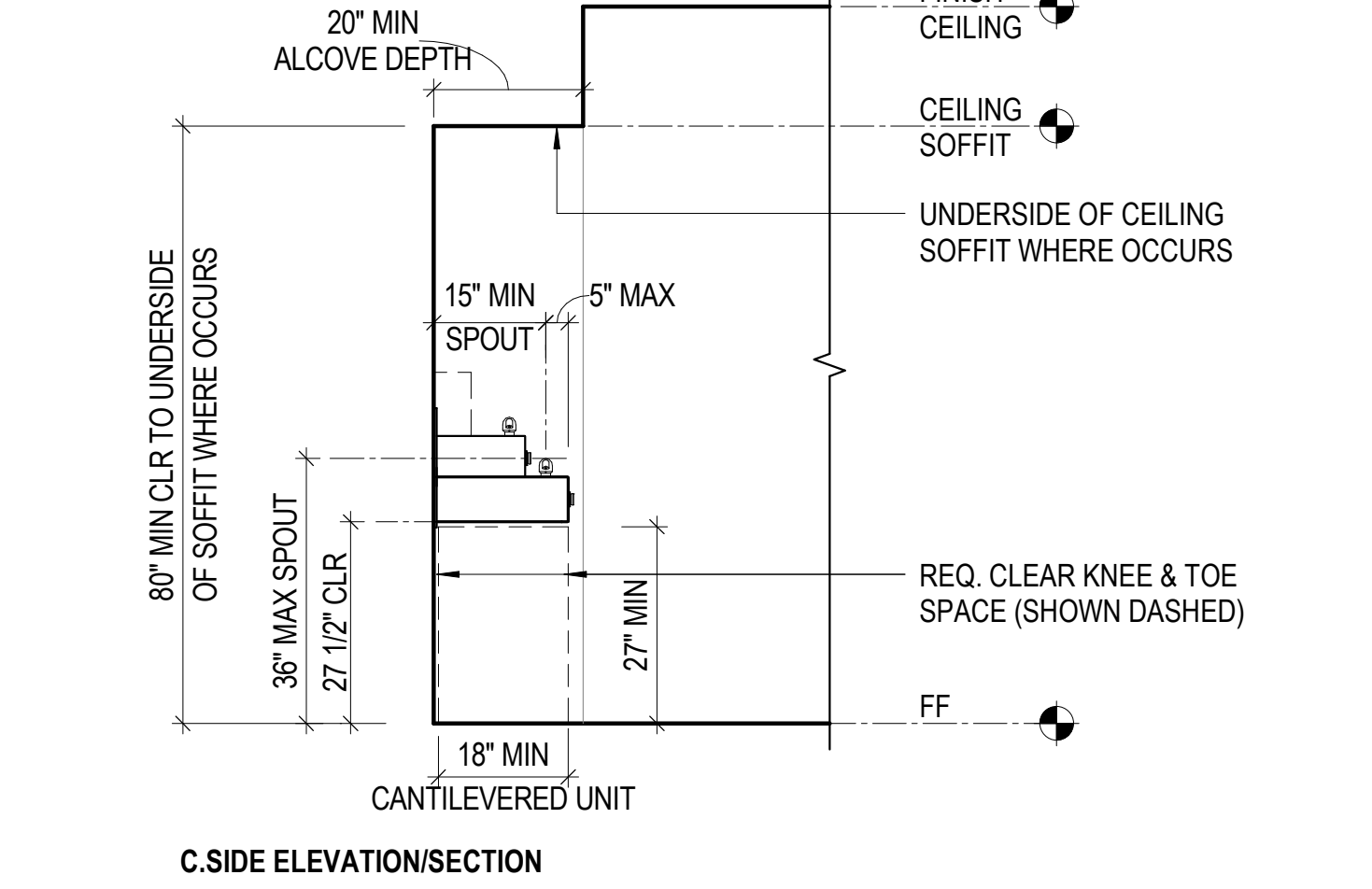
**6** WALL-MOUNTED DRINKING FOUNTAIN WITH WALLS  
1/2" = 1'-0" DAC APPROVED R07 2021.07.01



**3** WALL-MOUNTED DRINKING FOUNTAIN IN ALCOVE  
1/2" = 1'-0" DAC APPROVED R07 2021.07.01



**6** WALL-MOUNTED DRINKING FOUNTAIN WITH WALLS  
1/2" = 1'-0" DAC APPROVED R07 2021.07.01



**3** WALL-MOUNTED DRINKING FOUNTAIN IN ALCOVE  
1/2" = 1'-0" DAC APPROVED R07 2021.07.01

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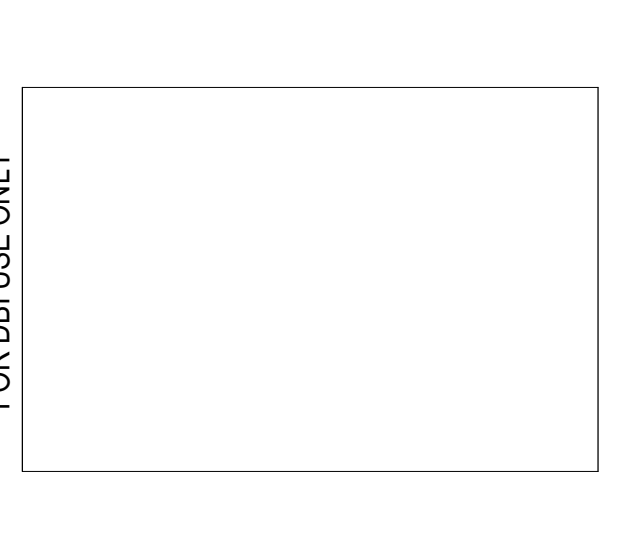
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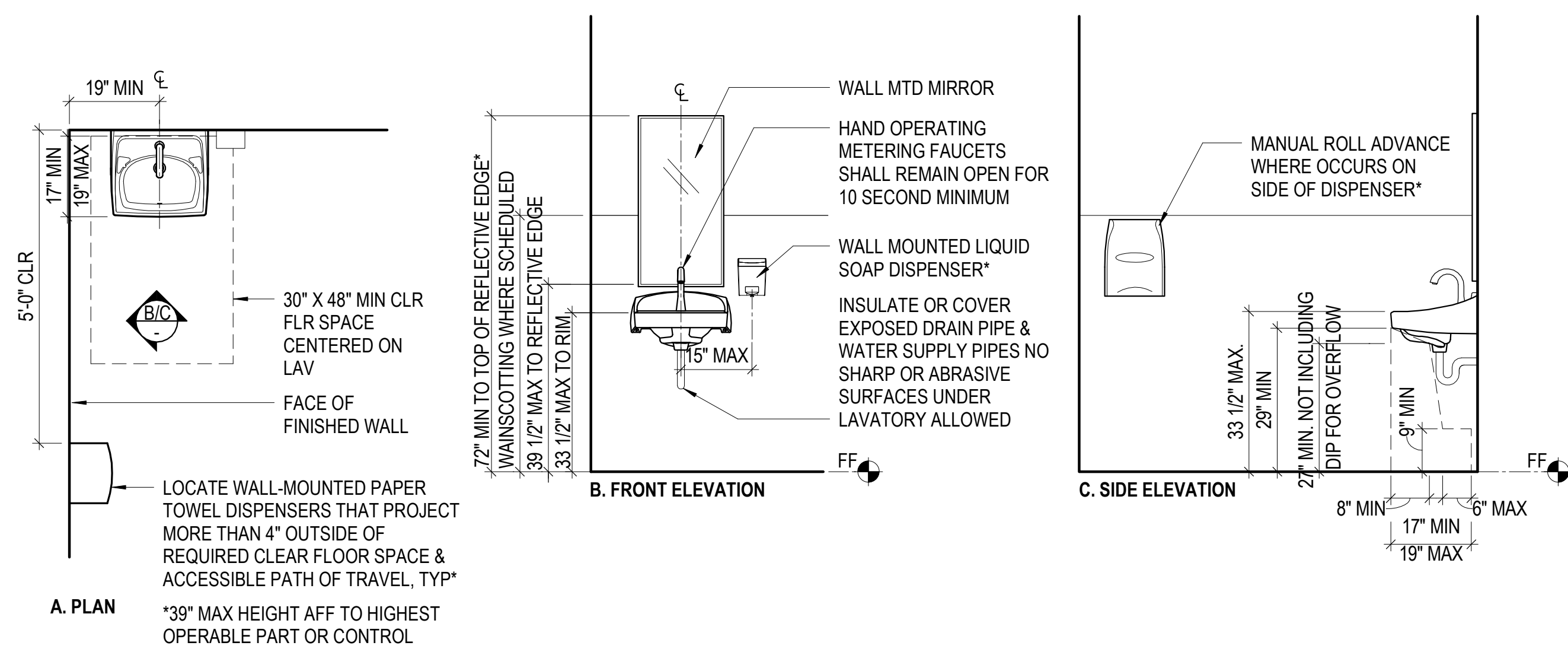
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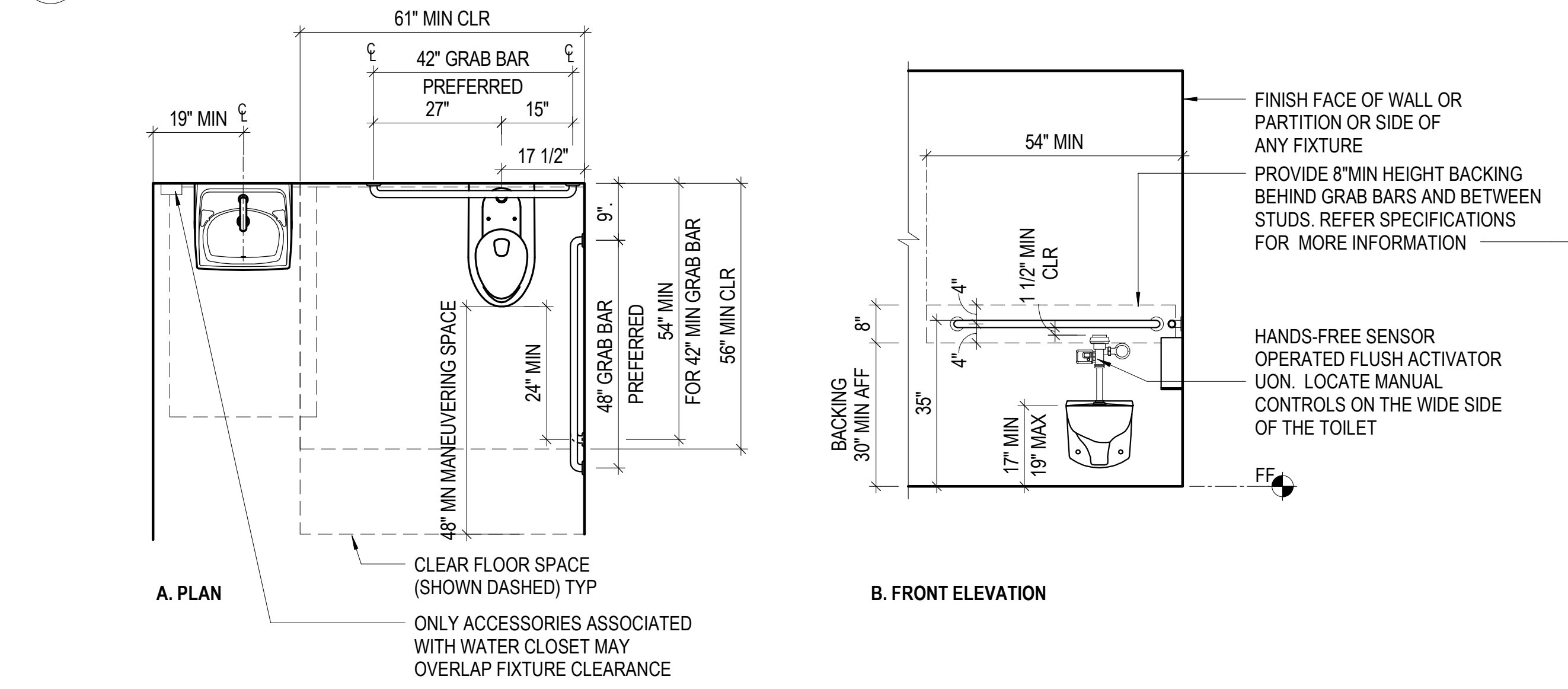


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Contract No.	Drawing Title <b>DRINKING FOUNTAINS &amp; BOTTLE-FILLING STATIONS - WALL-MOUNTED &amp; PEDESTAL UNITS</b>	Project No. <b>1902</b>
Elevation Datum	Drawing/File No	Revision No
		Scale: 1/2" = 1'-0"

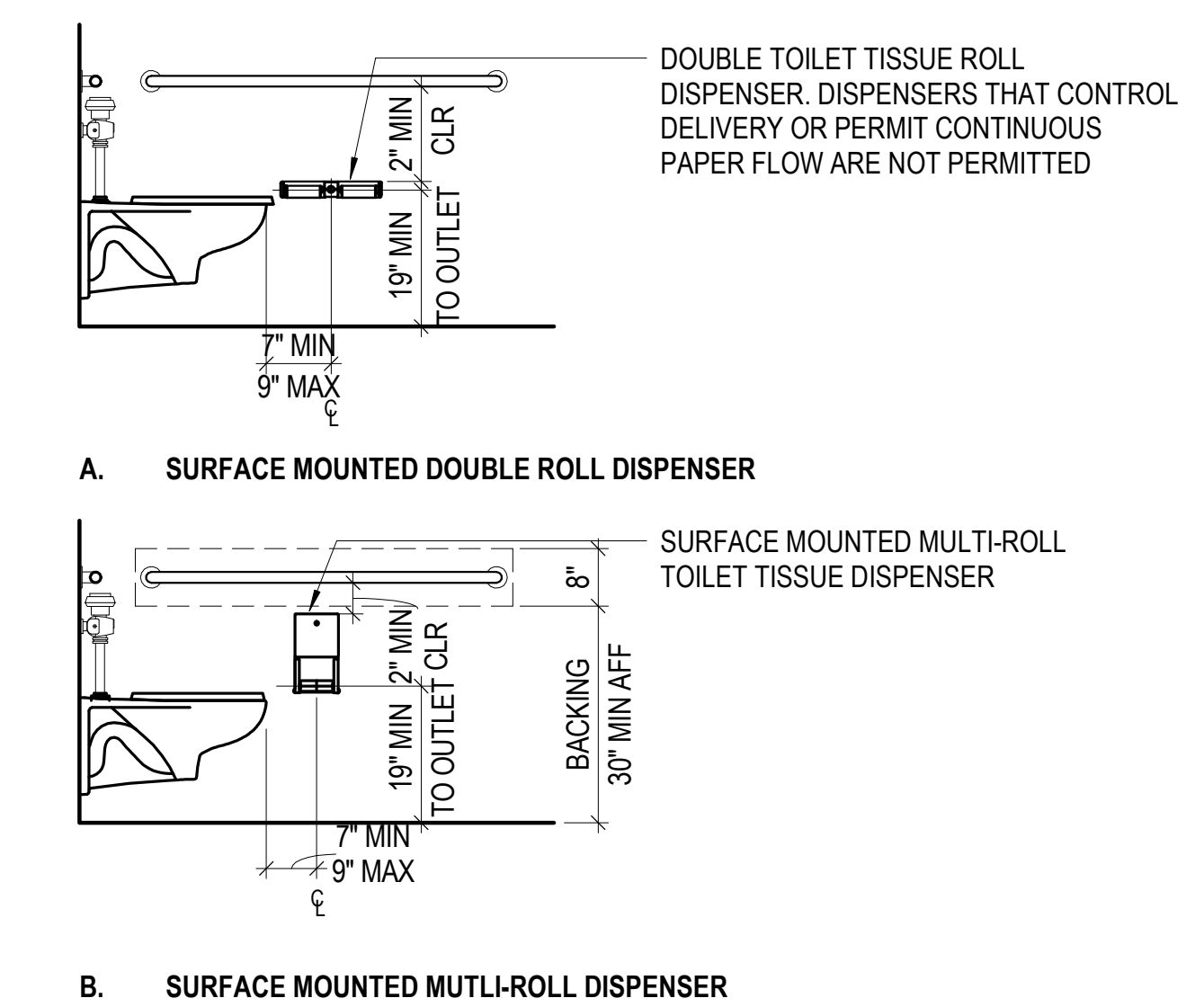




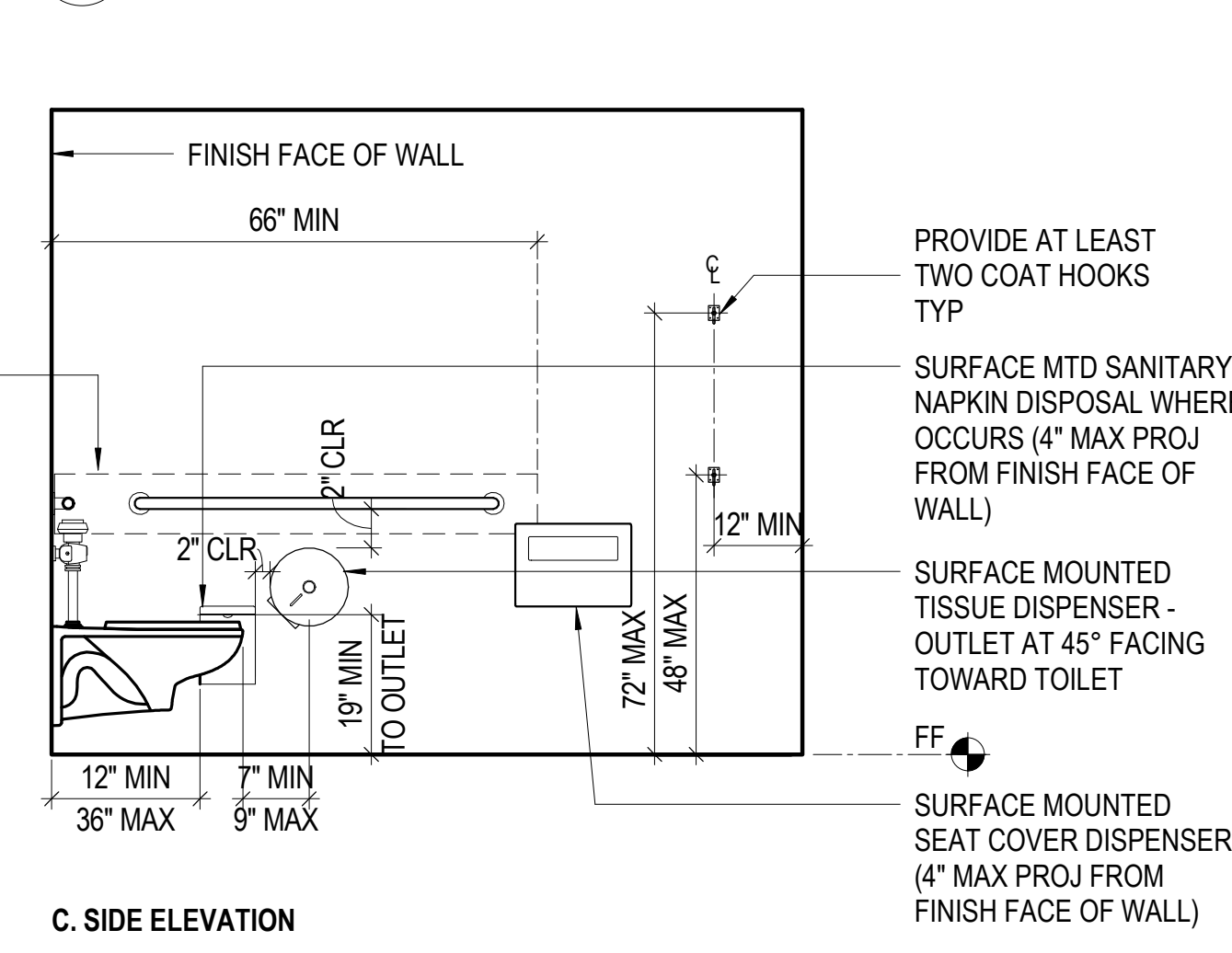
**10 WALL-MOUNTED LAVATORY WITH AUTOMATIC FAUCET**  
 1/2" = 1'-0" DAC APPROVED R07 2021.07.01



**11 WALL-MOUNTED TOILET**  
 1/2" = 1'-0" DAC APPROVED R07 2021.07.01



**4 TOILET TISSUE DISPENSERS**  
 1/2" = 1'-0" DAC APPROVED R07 2021.07.01



- GENERAL TOILET AND BATHING ROOM ACCESSIBILITY NOTES:**
- THE MINIMUM, MAXIMUM, AND ABSOLUTE DIMENSIONS SHOWN IN THESE STANDARD DETAILS VARY FROM THOSE IN TITLE 24 CALIFORNIA BUILDING CODE AND/OR AMERICANS WITH DISABILITIES ACT 2010 ADA STANDARD (ADAAG). DIMENSIONS THAT ARE NOT STATED AS "MAXIMUM" OR "MAX" OR "MINIMUM" OR "MIN" ARE ABSOLUTE (11B-104.1.1). ALL DIMENSIONS ARE SUBJECT TO CONVENTIONAL INDUSTRY TOLERANCES EXCEPT WHERE THE REQUIREMENT IS STATED AS A RANGE WITH SPECIFIC MINIMUM AND MAXIMUM END POINTS.
  - BATHING, LOCKER, AND CHANGING TOILET ROOMS SHALL CONTAIN A 60" DIAMETER MANEUVERING SPACE OR EQUIVALENT T-SHAPED SPACE. THE MANEUVERING SPACES ARE PERMITTED TO UNDERLAP SOME OBJECTS. TOE & KNEE SPACE AT ONLY ONE END OF EITHER THE BASE OR ONE AREA OF T-SHAPED SPACE. A DOOR IS PERMITTED TO UNDERLAP A TOILET ROOM'S REQUIRED MANEUVERING SPACE BY 12" MAX.
  - MULTI-USER TOILET ROOMS ARE TO CONTAIN A CLEAR 44" MIN PATH TO WHEELCHAIR ACCESSIBLE TOILET COMPARTMENTS, EXCEPT FOR INTERVENING DOOR WIDTHS.
  - TRASH CAN IS NOT PERMITTED TO OCCUPY THE CLEAR FLOOR SPACE OF ANY FIXTURE OR DOOR.
  - DOORS ARE NOT PERMITTED TO ENCR OACH ON THE REQUIRED CLEAR FLOOR SPACE AT ANY FIXTURE. EXCEPTION: WHERE THE TOILET OR BATHING ROOM IS FOR INDIVIDUAL USE AND A 30" X 48" CLEAR FLOOR SPACE IS PROVIDED WITHIN THE ROOM BEYOND THE ARC OF THE DOORS.
  - THE CLEAR FLOOR SPACE AT ANY FIXTURE, ACCESSIBLE ROUTE AND MANEUVERING SPACE ARE PERMITTED TO OVERLAP.
  - MOUNTING HEIGHT OF COUNTERS AND FIXTURES SHALL TAKE INTO ACCOUNT FLOOR SLOPE TO DRAIN.
  - FLOOR SLOPE TO DRAIN SHALL NOT EXCEED 1.5% IN ANY DIRECTION.
  - FIXTURE AND TOILET CLEARANCES ARE TO FACE OF FINISH.
  - NO ACCESSORIES OR COMBINATION UNITS ARE TO BE MOUNTED BEHIND OR ABOVE GRAB BARS.
  - NOT USED.
  - WHERE AN ADMINISTRATIVE AUTHORITY REQUIRES FLUSH CONTROLS FOR FLUSH VALVES TO BE LOCATED IN A POSITION THAT CONFLICTS WITH THE LOCATION OF THE REAR GRAB BAR, THE REAR BAR SHALL BE PERMITTED TO BE SPLIT OR SHIFTED TO THE OPEN SIDE OF THE TOILET AREA.
  - ACCESSORIES SHALL BE LOCATED ON AN ACCESSIBLE ROUTE AND WITHIN ACCESSIBLE REACH RANGE. PROVIDE CLEAR FLOOR SPACE THAT ALLOWS A FORWARD OR PARALLEL APPROACH BY A PERSON USING A WHEELCHAIR. ALL USER OPERABLE PARTS & CONTROLS SHALL BE LOCATED WITHIN 40" MAX FROM THE FINISH FLOOR. CONTROLS AND OPERATING MECHANISMS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 5 POUNDS OF FORCE.
  - DOOR TO SINGLE USER TOILET OR BATHING SHALL BE PROVIDED WITH AN ACCESSIBLE PRIVACY LATCH.
  - THE CLEAR FLOOR AREA ON BOTH SIDES OF DOOR OF WHEELCHAIR ACCESSIBLE TOILET COMPARTMENT SHALL BE CLEAR OF ANY OBSTRUCTIONS & CLEAR OF THE ARC OF THE SWING OF ANY OTHER DOOR. DOORS SHALL HAVE 18" PULL SIDE STRIKE SIDE CLEARANCE.
  - VERIFY WALL STRUCTURE, BACKING & MOUNTING REQUIREMENTS IN FIELD - EACH GRAB BAR SHALL SUPPORT A FORCE OF 250 LBS MIN APPLIED IN ANY DIRECTION TO ANY POINT OF THE GRAB BAR.
  - WHERE PROVIDED, BABY CHANGE APPLIANCES WHEN DEPLOYED SHALL NOT ENCR OACH ON DOORWAY MANEUVERING AREAS AND BE PLACED ON TOILET CLEAR FLOOR AREAS ABOVE OR BELOW GRAB BARS.
  - SEPARATE GRAB BARS ON ADJACENT WALLS ARE TO BE INSTALLED AT A COMMON HEIGHT.

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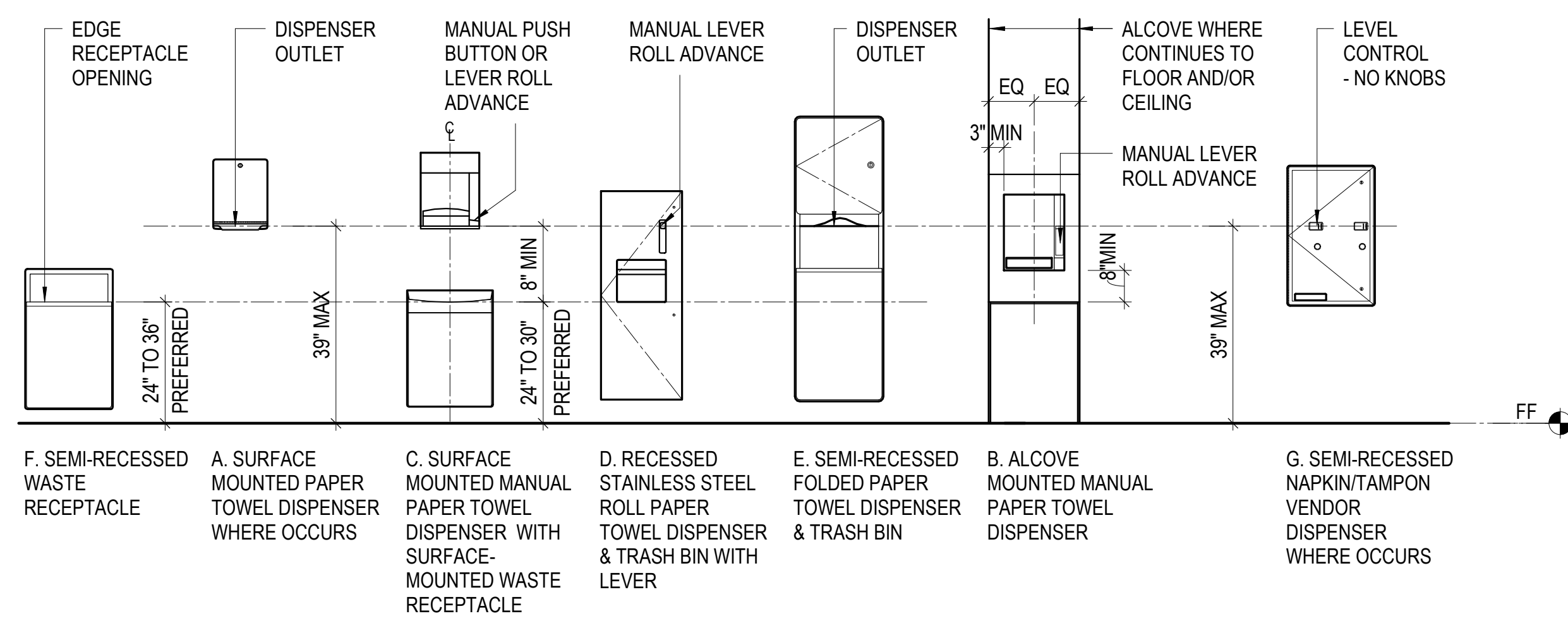
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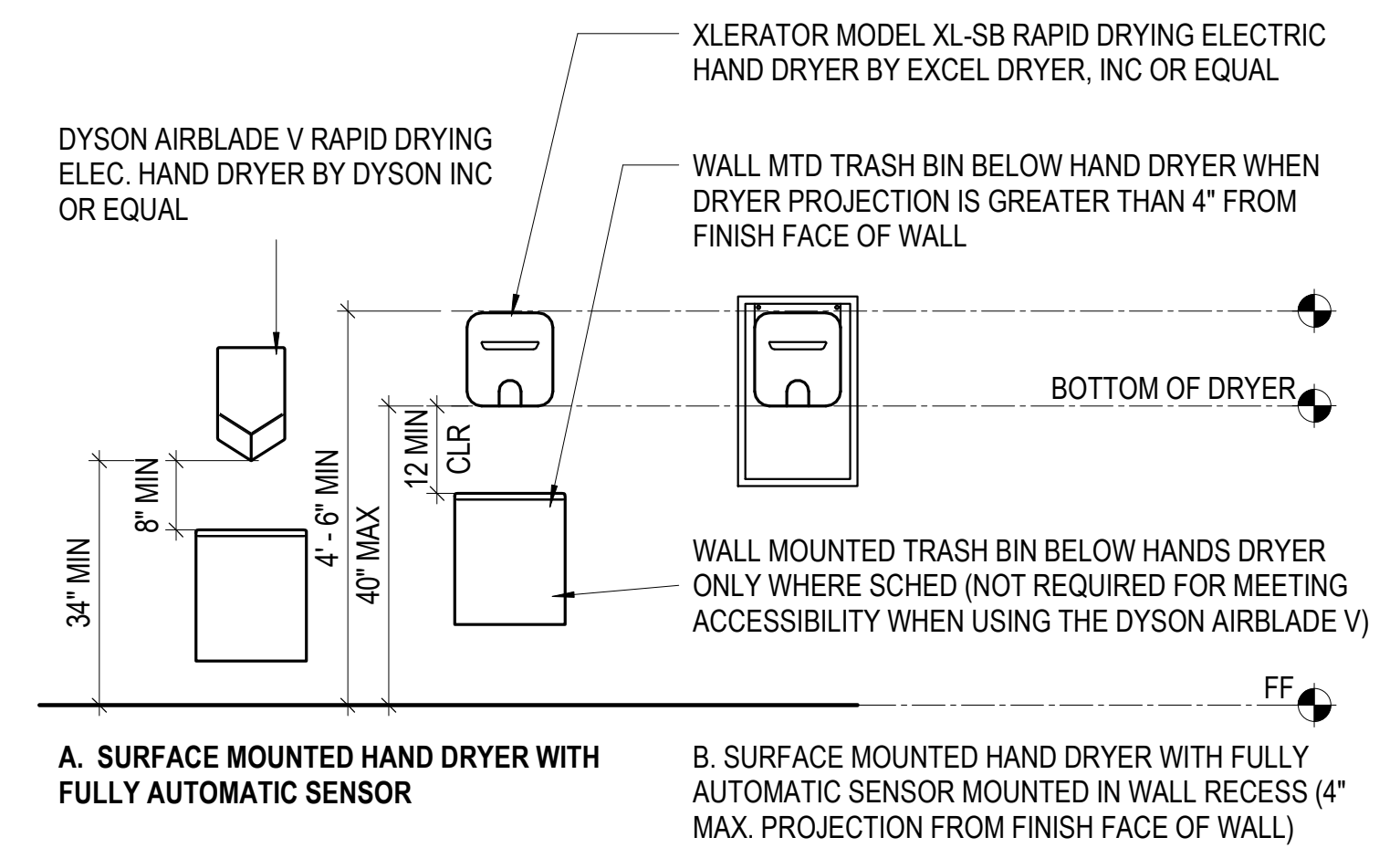
Project <b>Ocean Beach Restroom</b>		Plan No. <b>G 3.32</b>
2801 Great Highway San Francisco, CA 94132		
Contract No	Drawing Title <b>TOILET &amp; BATHING ROOMS - ACCESSIBLE FIXTURES &amp; ACCESSORIES</b>	Project No. <b>1902</b>
Elevation Datum	Drawing/File No	Revision No
		Scale: 1/2" = 1'-0"



- TOWEL DISPENSER NOTES**
1. ALL HARD ROLL PAPER TOWEL DISPENSERS SHALL BE EITHER ELECTRONIC AUTOMATIC DISPENSER THAT CAN DISPENSE TOWELS WITHOUT TOUCHING ANY CONTROLS OR HAVE A MANUAL PAPER ADVANCE LEVER.
  2. THE CONTROLS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE THE CONTROLS SHALL BE NO GREATER THAN 5 LB OF FORCE.
  3. AT LEAST ONE PAPER TOWEL DISPENSER IN EACH WASHROOM WHERE SCHEDULED SHALL BE MOUNTED PER THIS DETAIL SUCH THAT ALL USER OPERABLE CONTROLS OR PARTS ARE WITHIN 40" OF THE FINISH FLOOR. ANY ADDITIONAL TOWEL DISPENSERS MAY BE MOUNTED SUCH THAT THE BOTTOM OF THE DISPENSER IS 52" AFF.
  4. ALL ACCESSORIES LOCATED IN MULTI-USER TOILET OR BATHING, LOCKER OR CHANGING ROOMS MORE THAN 27" AFF MUST NOT PROTRUDE MORE THAN 4" FROM WALL.

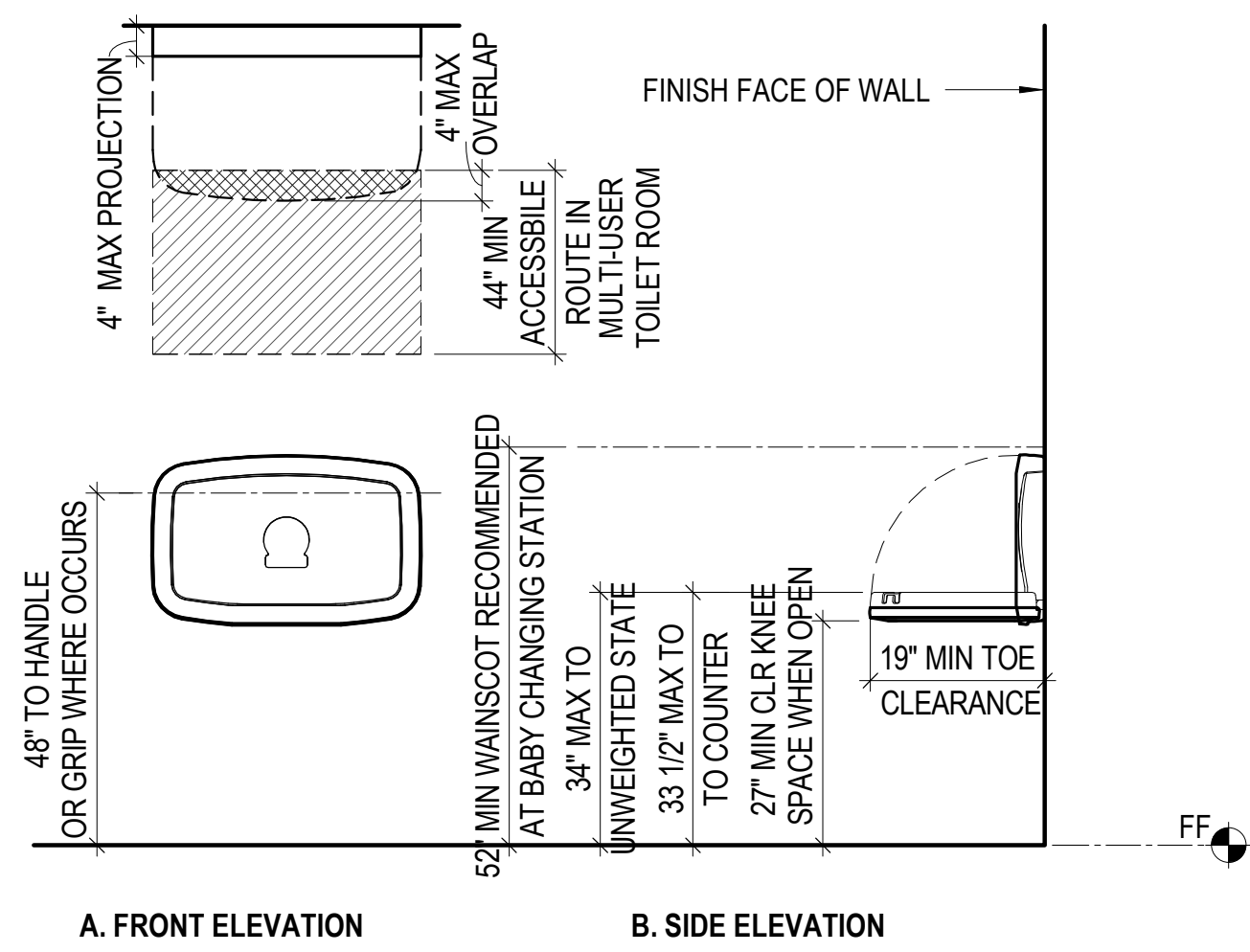
**7 PAPER TOWEL DISPENSER & WASTE RECEPTACLE**  
1/2" = 1'-0"

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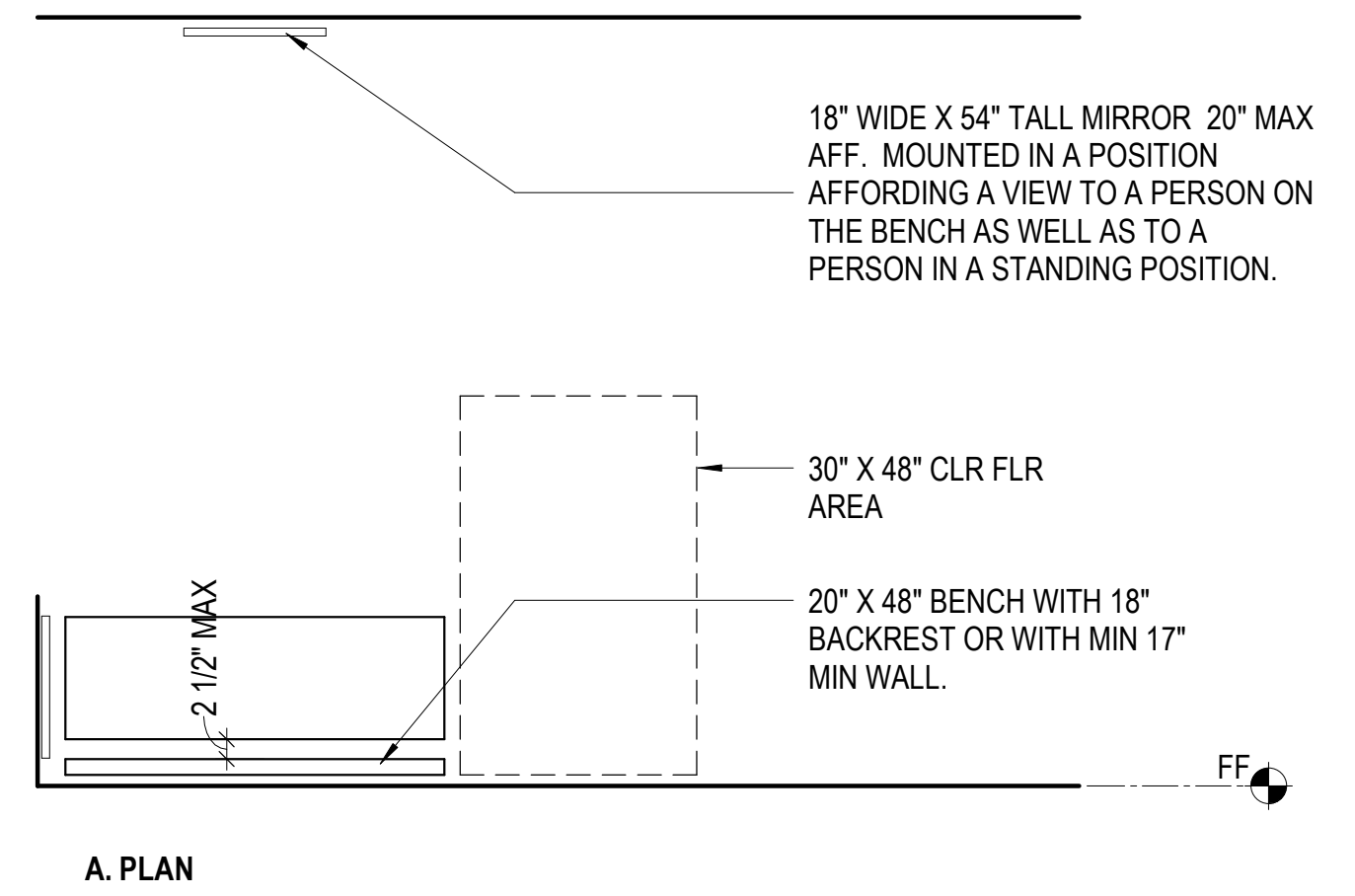
**11 AUTOMATIC HAND DRYER**  
1/2" = 1'-0"

DAC APPROVED R07 2021.07.01



**5 BABY CHANGING STATION**  
1/2" = 1'-0"

DAC APPROVED R07 2021.07.01



**2 BENCH IN DRESSING / LOCKER ROOM**  
1/2" = 1'-0"

DAC APPROVED R07 2021.07.01

San Francisco **Water Power Sewer**  
Services of The San Francisco Public Utility Commission  
INFRASTRUCTURE DIVISION  
ENGINEERING MANAGEMENT BUREAU

EMB Mgr. \_\_\_\_\_  
WWE Engineering Mgr. \_\_\_\_\_  
WWE O&M Mgr. \_\_\_\_\_  
Section Mgr. \_\_\_\_\_  
Designed \_\_\_\_\_  
Drawn \_\_\_\_\_  
Checked/Approved \_\_\_\_\_

BUREAU OF ARCHITECTURE  
**SAN FRANCISCO PUBLIC WORKS**

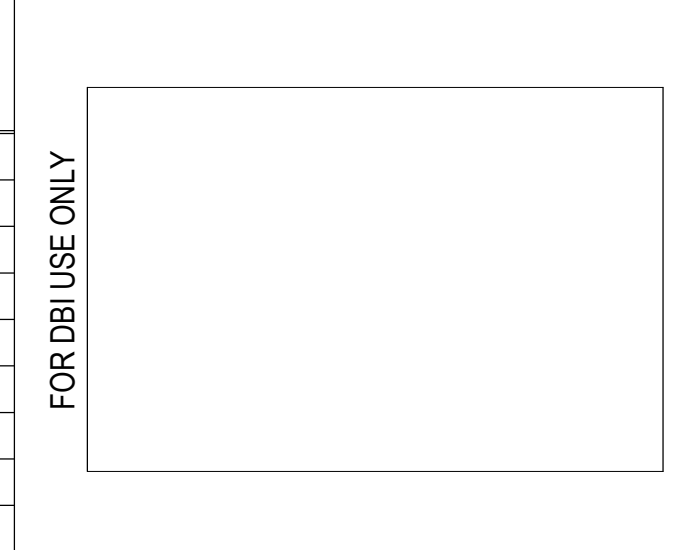
Ron Alameida - City Architect  
Julia Laue - Principal Architect / Bureau Manager  
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Proj. Mgr. \_\_\_\_\_ MS  
Proj. Arch. \_\_\_\_\_ PDF  
Drawn \_\_\_\_\_ Author  
Checked by \_\_\_\_\_ Checker

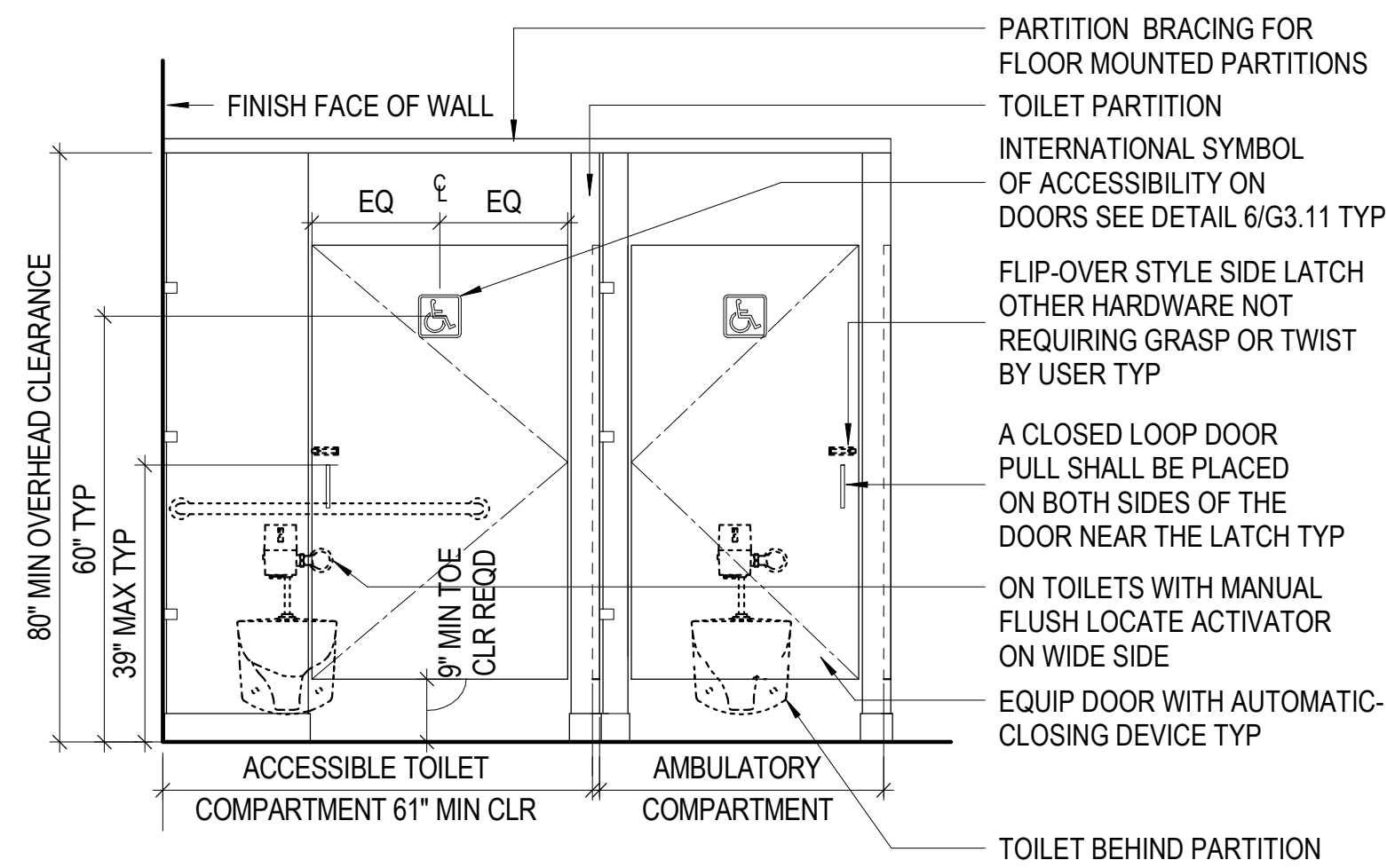
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No.	Date	Revisions

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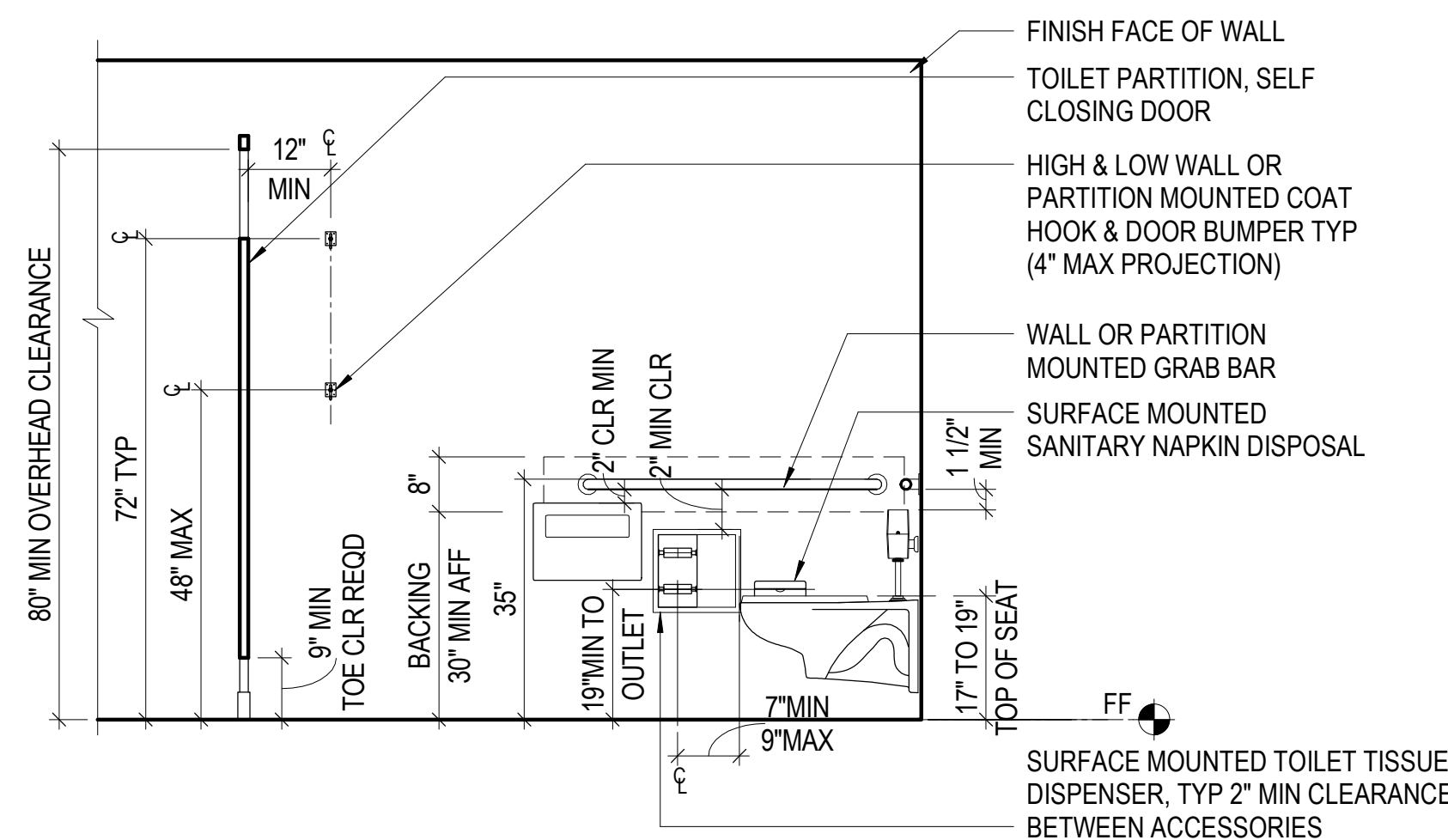


FOR THE SOLE USE OF THE DOCUMENT RECIPIENT - DO NOT CITE, COPY, OR CIRCULATE WITHOUT THE EXPRESSED PERMISSION OF THE SFPUC.		Project <b>Ocean Beach Restroom</b> 2801 Great Highway San Francisco, CA 94132	Plan No. <b>G 3.33</b>
Contract No.	Drawing Title <b>TOILET &amp; BATHING ROOMS - DISPENSERS &amp; ACCESSORIES</b>		Project No. <b>1902</b>
Elevation Datum	Drawing/File No	Revision No	Scale: 1/2" = 1'-0"



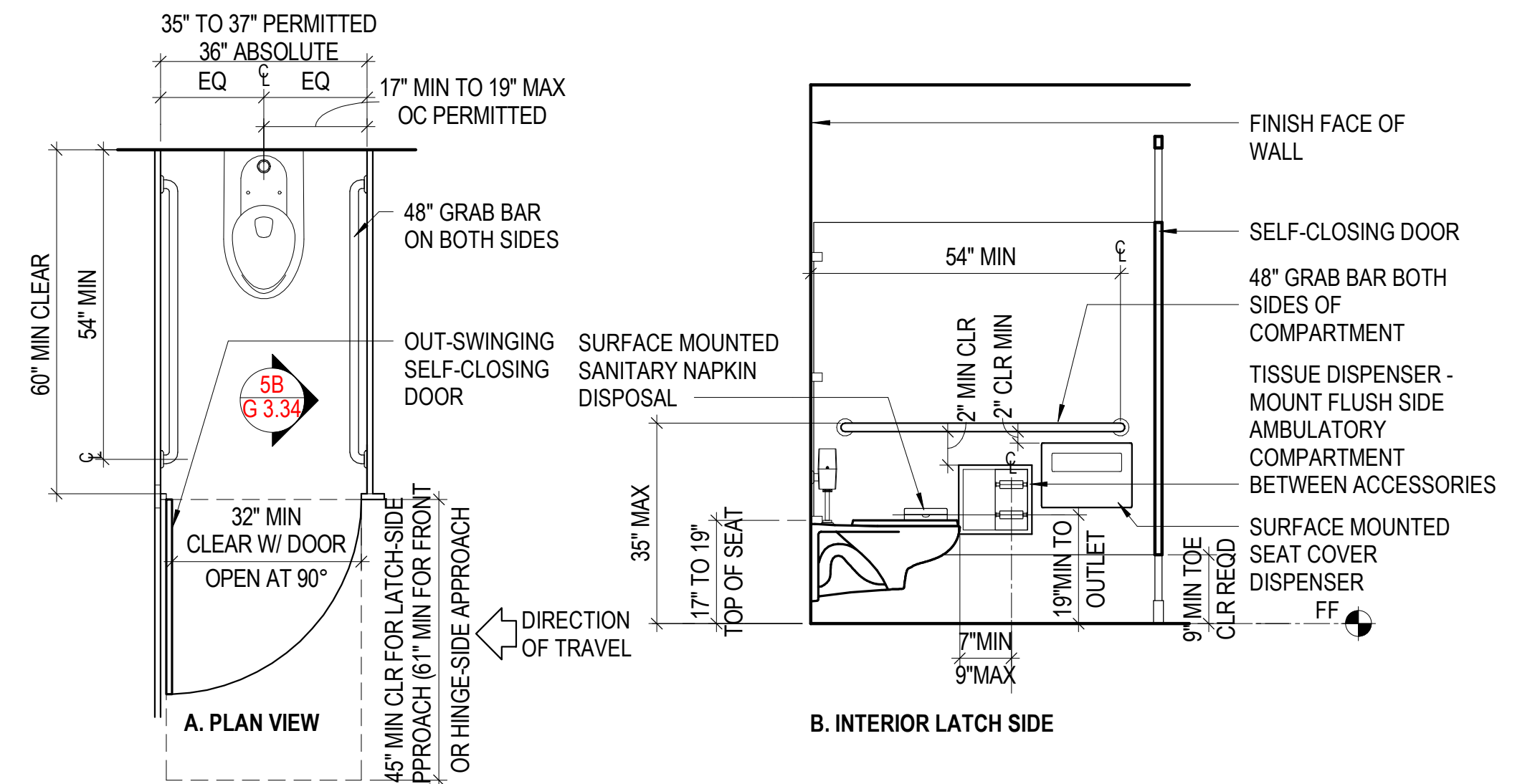
A. FRONT EXTERIOR SIDE

DAC APPROVED R07 2021.07.01



B. INTERIOR LATCH SIDE

DAC APPROVED R07 2021.07.01



A. PLAN VIEW

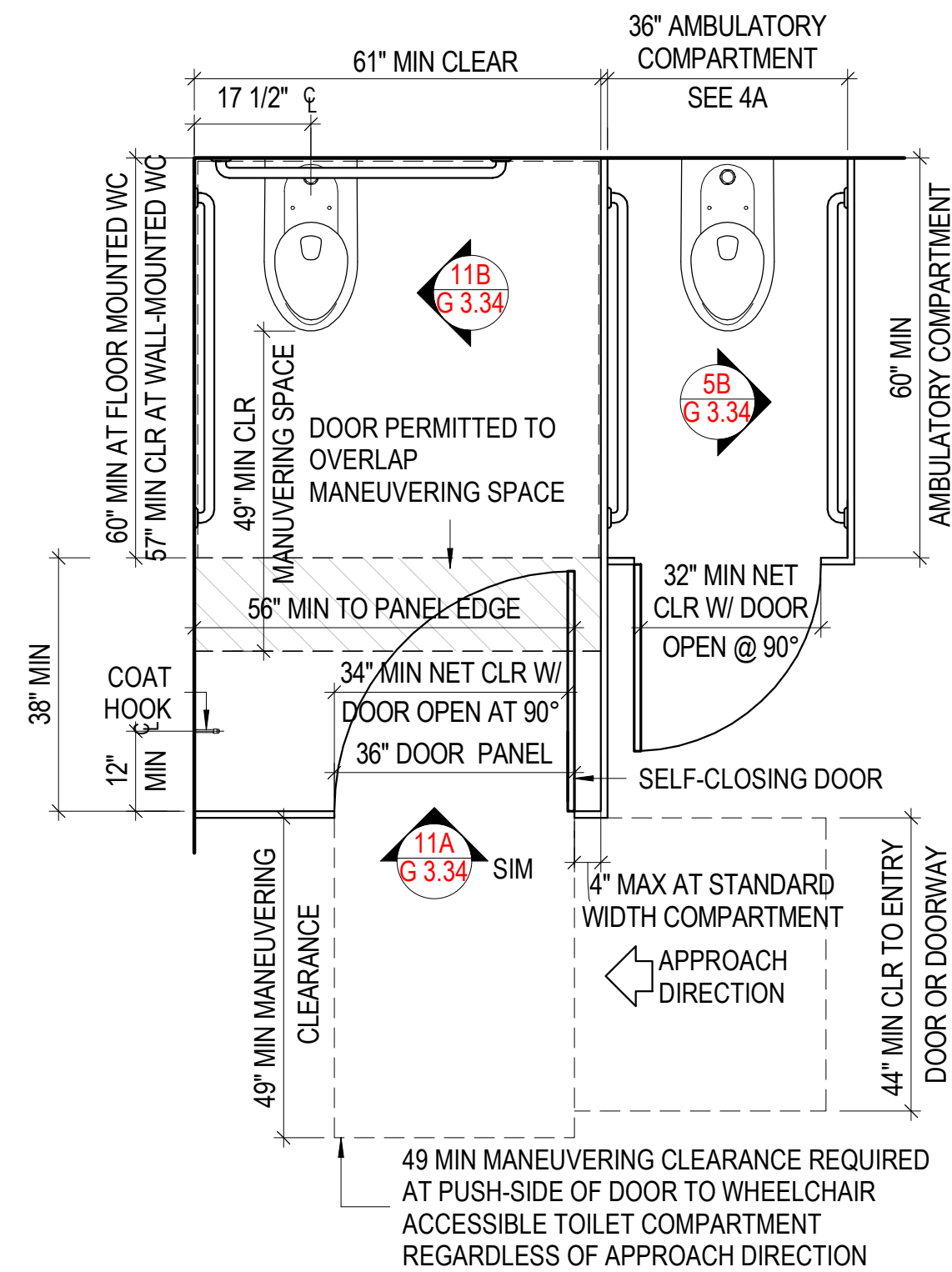
B. INTERIOR LATCH SIDE

1. AT PARTITION-MOUNTED GRAB BARS, ASSOCIATED MOUNTING DEVICE AND SUPPORTING STRUCTURE DETAILS AT FLOOR AND CEILING MUST INDICATE COMPLIANCE WITH CBC 1607.8.2 SO AS TO SUPPORT A VERTICAL OR HORIZONTAL FORCE OF 250 POUNDS, WHEN APPLIED AT ANY POINT ON THE GRAB BAR OR PARTITION. PROVIDE NECESSARY DOCUMENTATION FROM TOILET-PARTITION MANUFACTURER CERTIFYING THAT PARTITION CAN WITHSTAND SPECIFIED FORCES AT GRAB BAR MOUNTING POINTS.
2. RECESSED OR SEMI-RECESSED TOILET TISSUE, SEAT COVER DISPENSER OR OTHER DISPOSAL UNITS ARE NOT PERMITTED BETWEEN THE WALL OR PARTITION AND GRAB BAR.
3. SEE DET 7 / G 3.33 FOR ACCESSORIES.
4. IN TOILET ROOMS W/ THREE OR MORE COMPARTMENTS, LOCATE AMBULATORY TOILET COMPARTMENT AWAY FROM ACCESSIBLE STALL.

11 TOILET COMPARTMENT AND ADJACENT AMBULATORY TOILET COMPARTMENTS

1/2" = 1'-0"

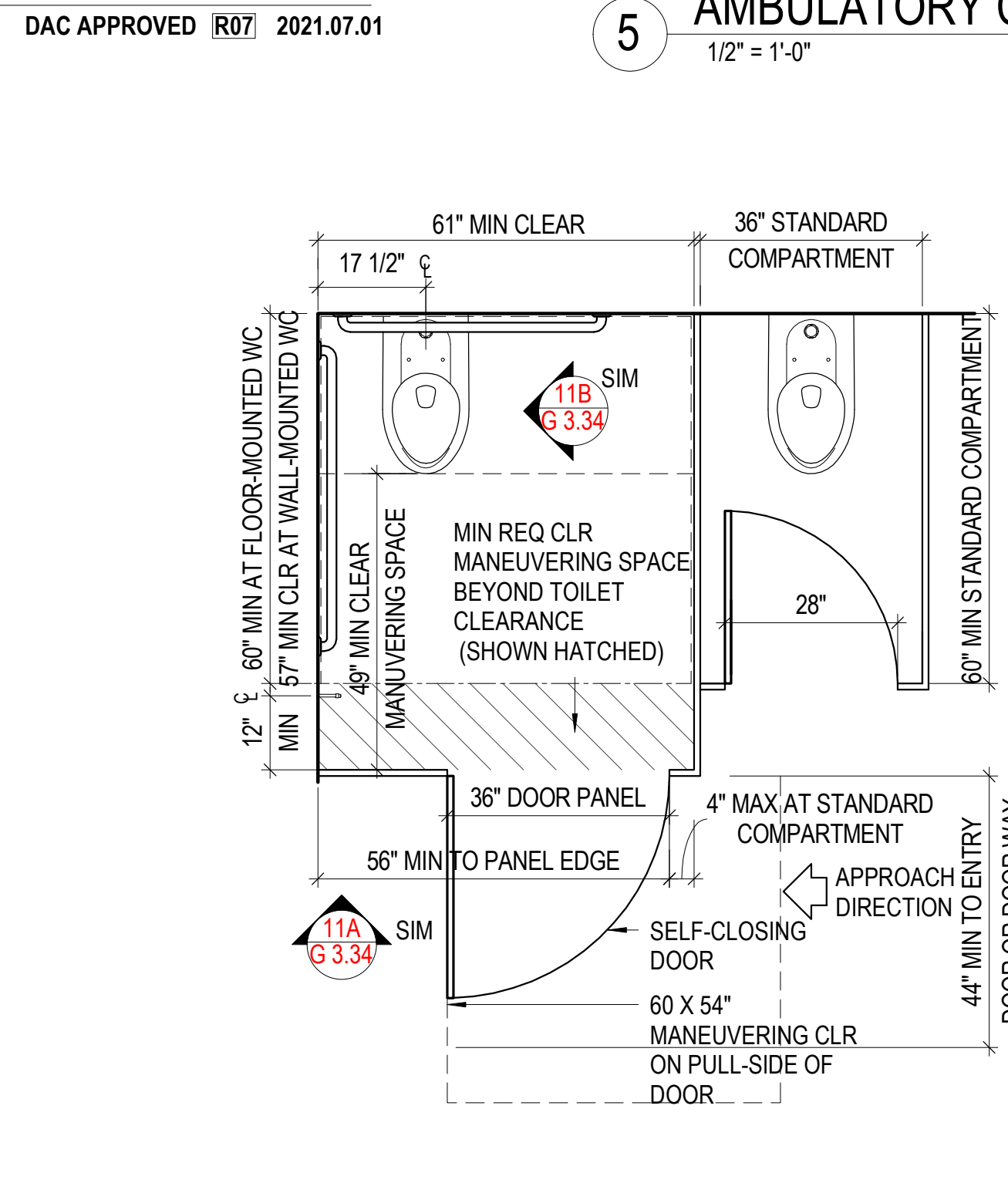
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9 TOILET COMPARTMENT W/END-OPENING IN SWING DOOR

1/2" = 1'-0"

DAC APPROVED R07 2021.07.01



6 TOILET COMPARTMENT W/END-OPENING OUT-SWING DOOR

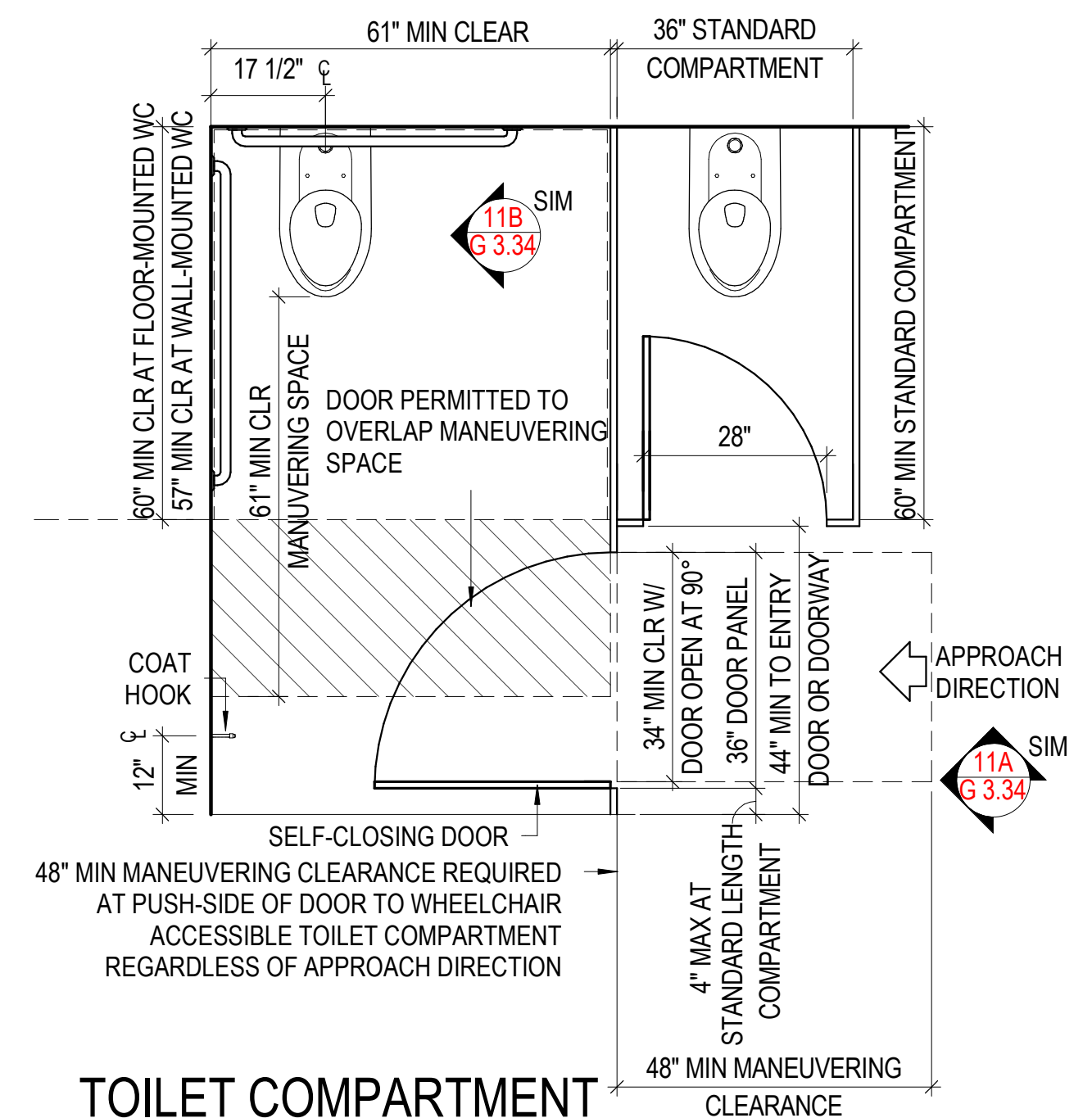
1/2" = 1'-0"

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5 AMBULATORY COMPARTMENT

1/2" = 1'-0"

DAC APPROVED R07 2021.07.01



3 TOILET COMPARTMENT W/SIDE-OPENING IN-SWING DOOR

1/2" = 1'-0"

DAC APPROVED R07 2021.07.01



EMB Mgr.  
WWE Engineering Mgr.  
WWE O&M Mgr.  
Section Mgr.  
Designed  
Drawn  
Checked/Approved

BUREAU OF ARCHITECTURE



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Julia Laue - Principal Architect / Bureau Manager  
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San Francisco, CA 94103  
Phone (628)271-2865

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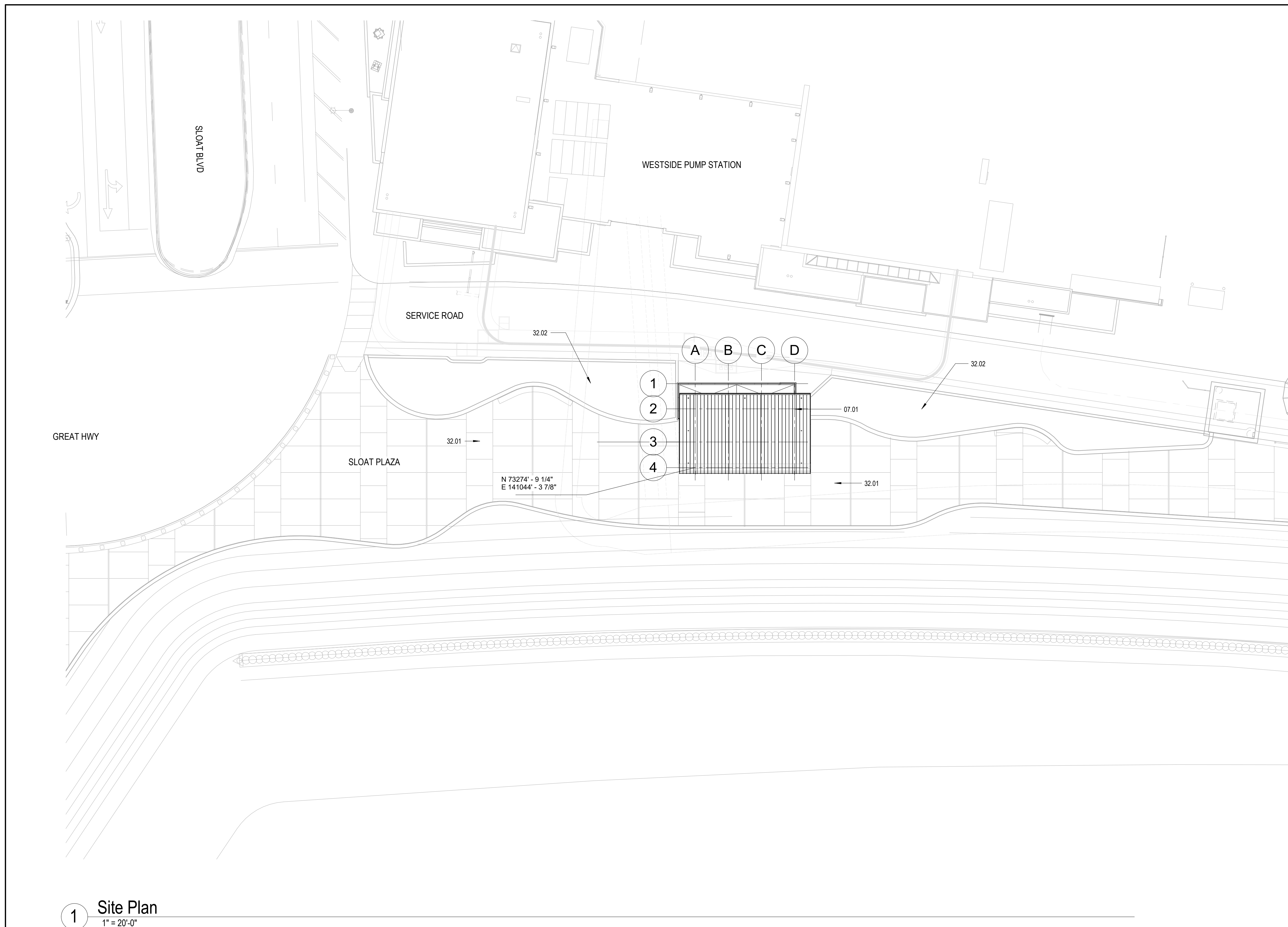
Contract No.  
Elevation Datum

Project Ocean Beach Restroom  
2801 Great Highway  
San Francisco, CA 94132

Drawing Title MULTI-USER RESTROOMS - ACCESSIBLE TOILET COMPARTMENTS

Drawing/File No. Revision No.

Plan No. G 3.34  
Project No. 1902  
Scale: 1/2" = 1'-0"



**SHEET NOTES**

1. SEE SHEET G-SERIES SHEETS FOR ACCESSIBLE TOILET COMPARTMENT AND TOILET ROOM DETAILS
2. SEE SHEETS A4.00 - A4.01 FOR ENLARGED PLANS AND ELEVATIONS.
3. SEE SHEETS A6.10 - A6.23 FOR REFLECTED CEILING PLANS.
4. SEE SHEET A9.00 FOR OPENING TYPES, SCHEDULES AND DETAILS.
5. SEE SHEET A9.01 FOR PARTITION TYPES AND DETAILS.
6. SEE STRUCTURAL, MECHANICAL, PLUMBING & ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
7. CONTRACTOR TO PROTECT ALL EXISTING CONSTRUCTION TO REMAIN.

**KEYNOTES**

- |       |                                |
|-------|--------------------------------|
| 07.01 | ALUMINUM STANDING SEAM ROOFING |
| 32.01 | CONCRETE PAVING, SLD, SCD.     |
| 32.02 | PLANTERS, SLD.                 |

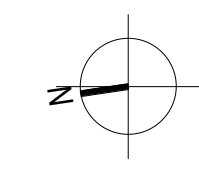
**LEGEND**

**WALL LEGEND**

- CONCRETE WALLS
- WOOD STUD FRAMING, FINISH PER SCHEDULE
- CLT - CROSS LAMINATED TIMBER DECKING, SSD.

**FLOOR FINISH LEGEND**

- SC-1: SEALED CONCRETE
- TL-1: 24" x 24" TILE



**1 Site Plan**  
1" = 20'-0"



EMB Mgr. \_\_\_\_\_  
 WWE Engineering Mgr. \_\_\_\_\_  
 WWE O&M Mgr. \_\_\_\_\_  
 Section Mgr. \_\_\_\_\_  
 Designed \_\_\_\_\_  
 Drawn \_\_\_\_\_  
 Checked/Approved \_\_\_\_\_

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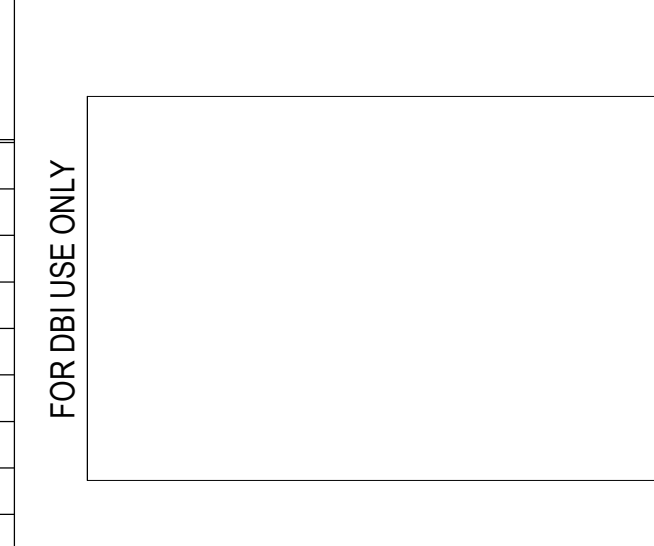


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Contract No \_\_\_\_\_

Elevation Datum \_\_\_\_\_

Project	Ocean Beach Restroom		Plan No.	A1.20
	2801 Great Highway San Francisco, CA 94132			
Drawing Title	SITE PLAN		Project No.	1902
Drawing/File No	Revision No	Scale:	As indicated	

SHEET NOTES

- SEE SHEET G-SERIES SHEETS FOR ACCESSIBLE TOILET COMPARTMENT AND TOILET ROOM DETAILS
- SEE SHEETS A4.00 - A4.01 FOR ENLARGED PLANS AND ELEVATIONS.
- SEE SHEETS A6.10 - A6.23 FOR REFLECTED CEILING PLANS.
- SEE SHEET A9.00 FOR OPENING TYPES, SCHEDULES AND DETAILS.
- SEE SHEET A9.01 FOR PARTITION TYPES AND DETAILS.
- SEE STRUCTURAL, MECHANICAL, PLUMBING & ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
- CONTRACTOR TO PROTECT ALL EXISTING CONSTRUCTION TO REMAIN.

KEYNOTES

03.01	CONCRETE WALL
03.03	CONCRETE CONTROL JOINT
10.13	SECURITY VIDEO SURVEILLANCE SYSTEM, SED
22.03	MOP SINK, SSPD
22.04	FOOT SHOWER, SPD
22.05	DRINKING FOUNTAIN, SEE G SHEETS FOR MOUNTING HEIGHT AND DIMENSIONS
22.06	LINEAR DRAIN, SPD
22.08	MANUAL LAVATORY FAUCET, SPD
22.11	AREA DRAIN, SPD
22.13	WATER HEATER, SPD
26.01	SOLAR PANEL EQUIPMENT & BATTERY SYSTEM, SED

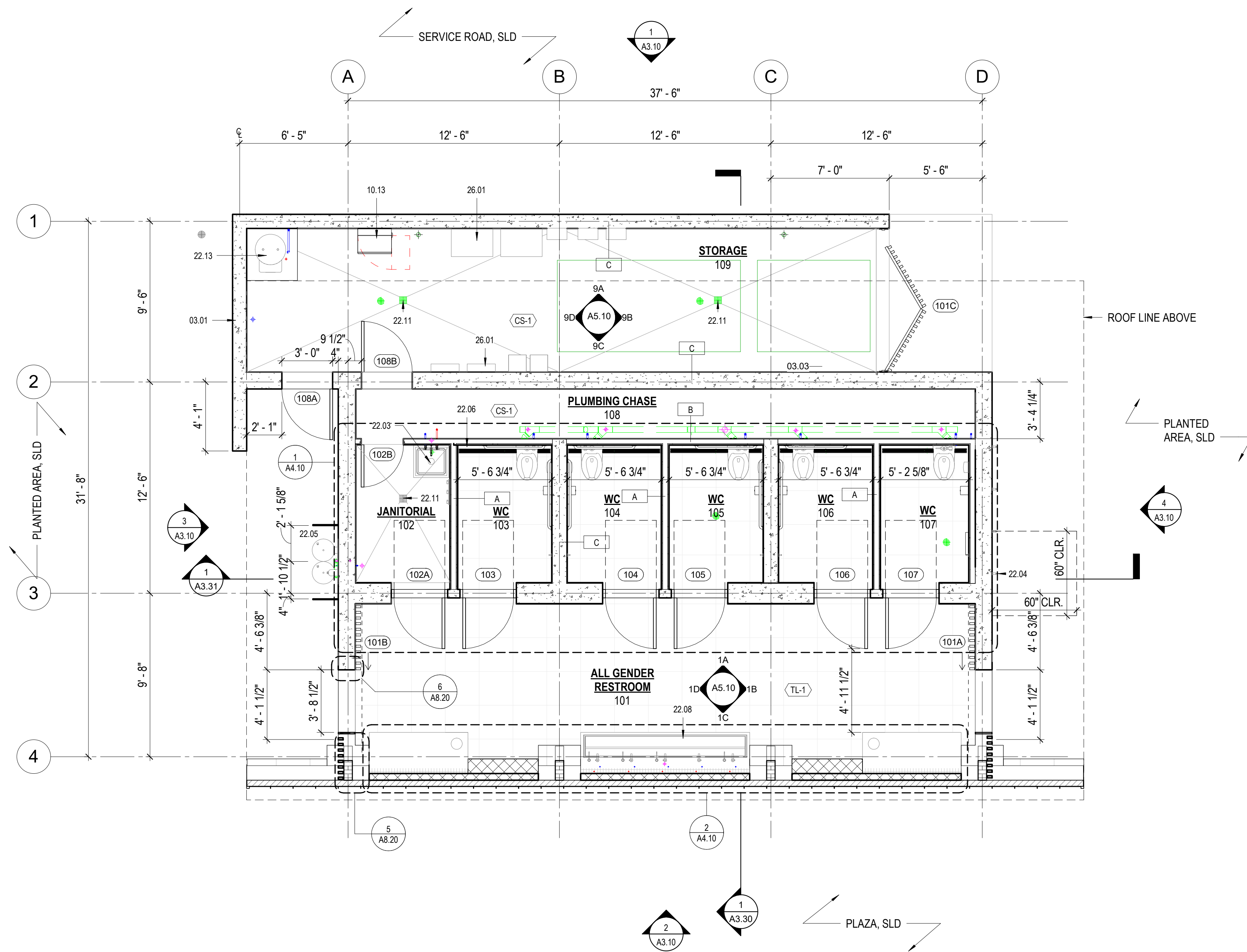
LEGEND

WALL LEGEND

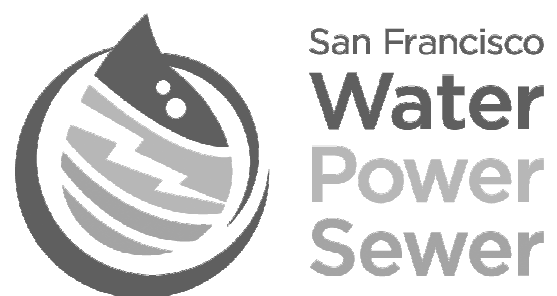
	CONCRETE WALLS
	WOOD STUD FRAMING, FINISH PER SCHEDULE
	CLT - CROSS LAMINATED TIMBER DECKING, SSD.

FLOOR FINISH LEGEND

	SC-1: SEALED CONCRETE
	TL-1: 24" x 24" TILE



1 FLOOR PLAN  
1/4" = 1'-0"



EMB Mgr. \_\_\_\_\_  
 WWE Engineering Mgr. \_\_\_\_\_  
 WWE O&M Mgr. \_\_\_\_\_  
 Section Mgr. \_\_\_\_\_  
 Designed \_\_\_\_\_  
 Drawn \_\_\_\_\_  
 Checked/Approved \_\_\_\_\_

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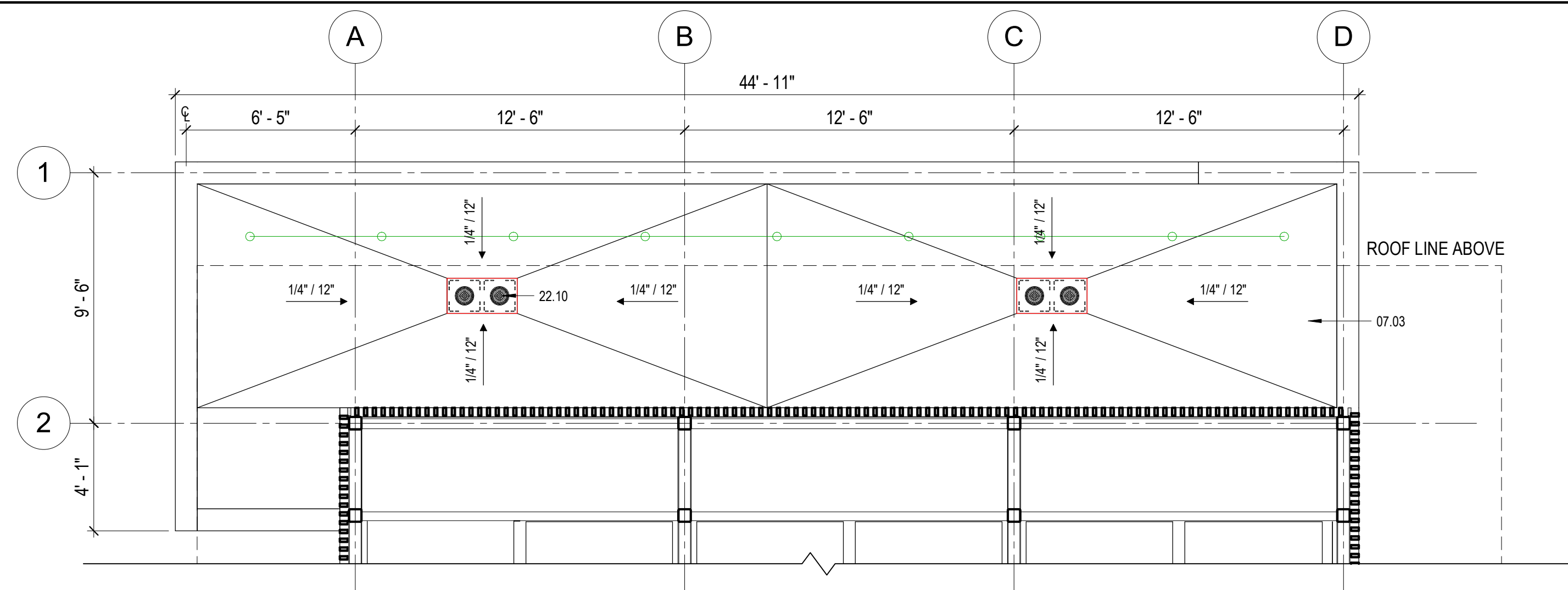
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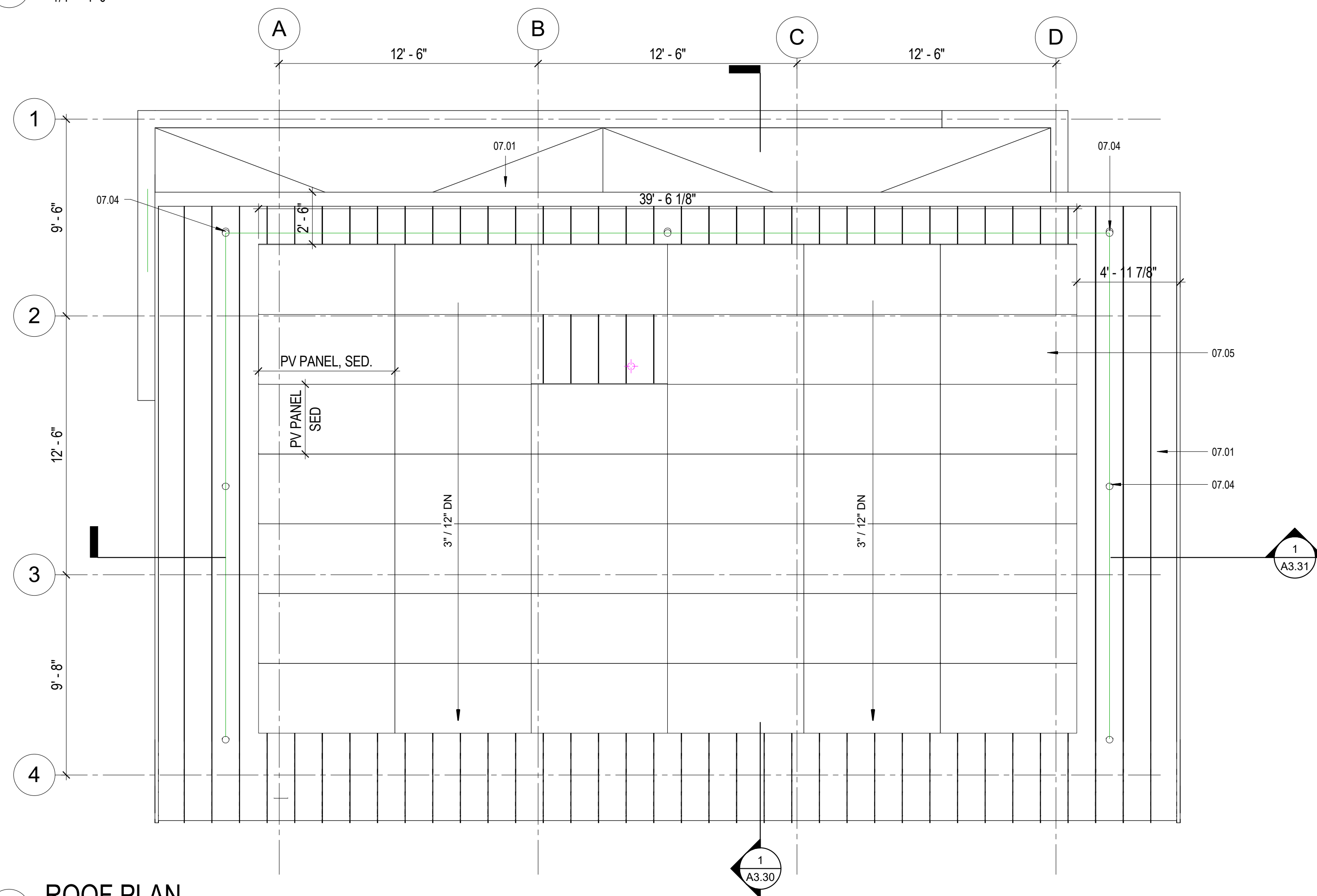
Contract No. \_\_\_\_\_

Elevation Datum \_\_\_\_\_

Project	Ocean Beach Restroom	Plan No.	A2.10
	2801 Great Highway San Francisco, CA 94132		
Drawing Title	FLOOR PLAN	Project No.	1902
Drawing/File No	Revision No	Scale:	As indicated



2 PARTIAL LOWER ROOF PLAN  
1/4" = 1'-0"



1 ROOF PLAN  
1/4" = 1'-0"

SHEET NOTES

- SEE SHEET G-SERIES SHEETS FOR ACCESSIBLE TOILET COMPARTMENT AND TOILET ROOM DETAILS
- SEE SHEETS A4.00 - A4.01 FOR ENLARGED PLANS AND ELEVATIONS.
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KEYNOTES

07.01	ALUMINUM STANDING SEAM ROOFING
07.03	ALUMINUM ROOF RAKE TRIM, TYP.
07.04	KEE SINGLE-PLY ROOF WITH CLT BELOW
07.05	ROOF FALL PROTECTION SYSTEM, CATENARY CABLE 4 INCHES ABOVE ROOF SURFACE
22.10	ROOF DRAIN AND OVERFLOW COMBO, SPD

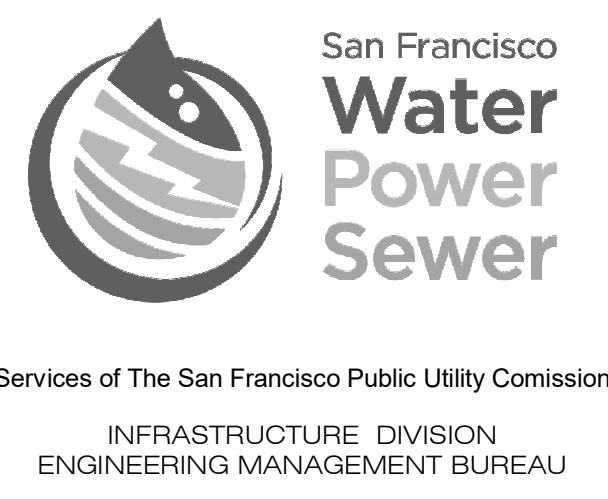
LEGEND

WALL LEGEND

	CONCRETE WALLS
	WOOD STUD FRAMING, FINISH PER SCHEDULE
	CLT - CROSS LAMINATED TIMBER DECKING, SSD.

FLOOR FINISH LEGEND

	SC-1: SEALED CONCRETE
	TL-1: 24" x 24" TILE



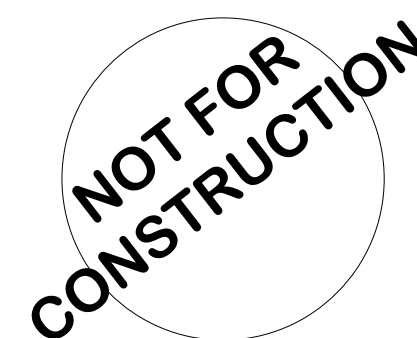
EMB Mgr. \_\_\_\_\_  
 WWE Engineering Mgr. \_\_\_\_\_  
 WWE O&M Mgr. \_\_\_\_\_  
 Section Mgr. \_\_\_\_\_  
 Designed \_\_\_\_\_  
 Drawn \_\_\_\_\_  
 Checked/Approved \_\_\_\_\_

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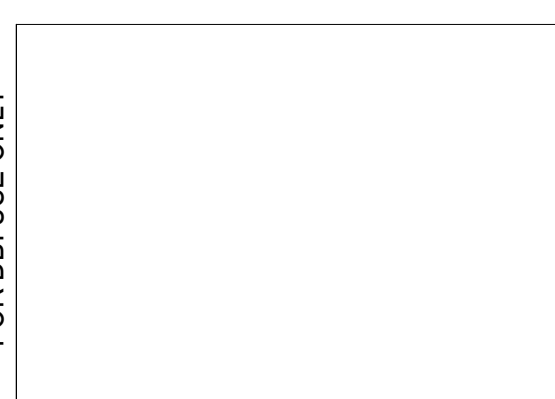
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Contract No. \_\_\_\_\_  
 Elevation Datum \_\_\_\_\_

Project	Ocean Beach Restroom	Plan No.	A2.20
	2801 Great Highway San Francisco, CA 94132	Project No.	1902
Drawing Title	ROOF PLAN	Drawing/File No	Revision No
Scale:	As indicated		

SHEET NOTES

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- SEE SHEETS A6.10 - A6.23 FOR REFLECTED CEILING PLANS.
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- SEE STRUCTURAL, MECHANICAL, PLUMBING & ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
- CONTRACTOR TO PROTECT ALL EXISTING CONSTRUCTION TO REMAIN.

KEYNOTES

03.01	CONCRETE WALL
03.03	CONCRETE CONTROL JOINT
03.05	CONCRETE CURB, SSD
03.08	CONCRETE HOUSEKEEPING PAD, SSD
22.06	LINEAR DRAIN, SPD
22.11	AREA DRAIN, SPD
22.12	SLOPED TO DRAIN

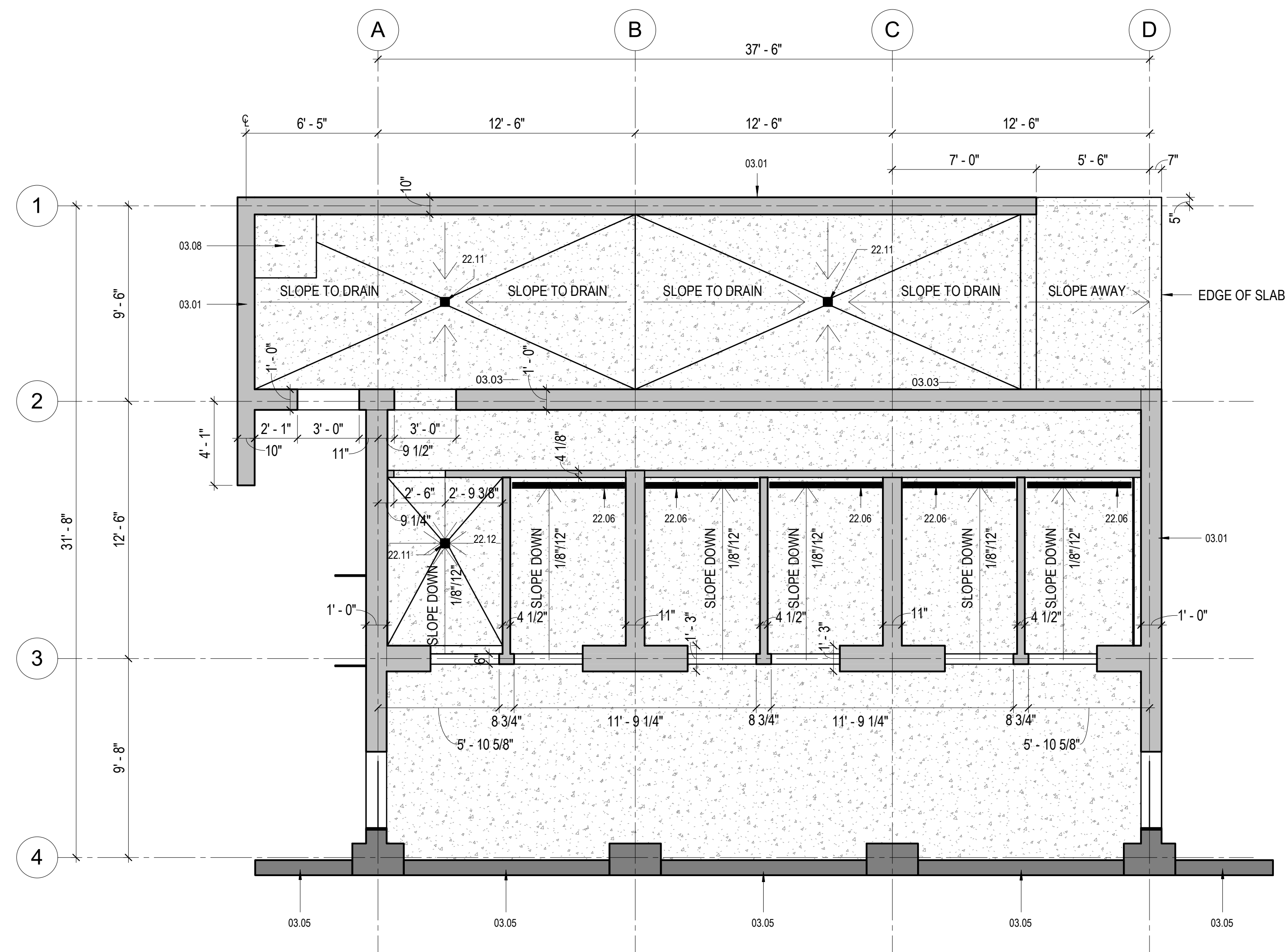
LEGEND

WALL LEGEND

	CONCRETE WALLS
	WOOD STUD FRAMING, FINISH PER SCHEDULE
	CLT - CROSS LAMINATED TIMBER DECKING, SSD.

FLOOR FINISH LEGEND

	SC-1: SEALED CONCRETE
	TL-1: 24" x 24" TILE



1 SLAB PLAN  
1/4" = 1'-0"



EMB Mgr. \_\_\_\_\_  
 WWE Engineering Mgr. \_\_\_\_\_  
 WWE O&M Mgr. \_\_\_\_\_  
 Section Mgr. \_\_\_\_\_  
 Designed \_\_\_\_\_  
 Drawn \_\_\_\_\_  
 Checked/Approved \_\_\_\_\_

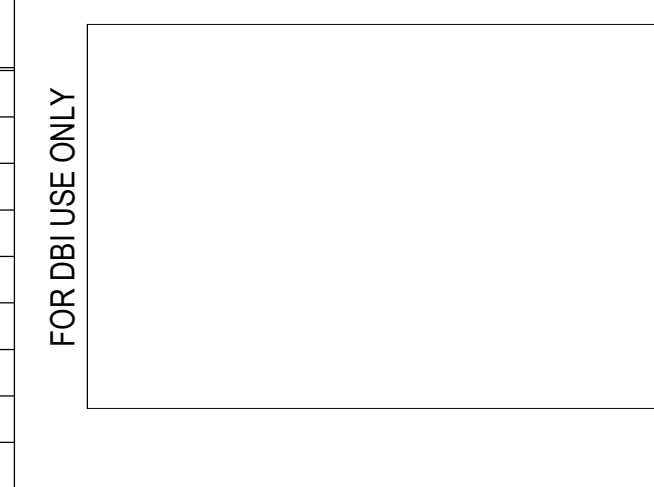


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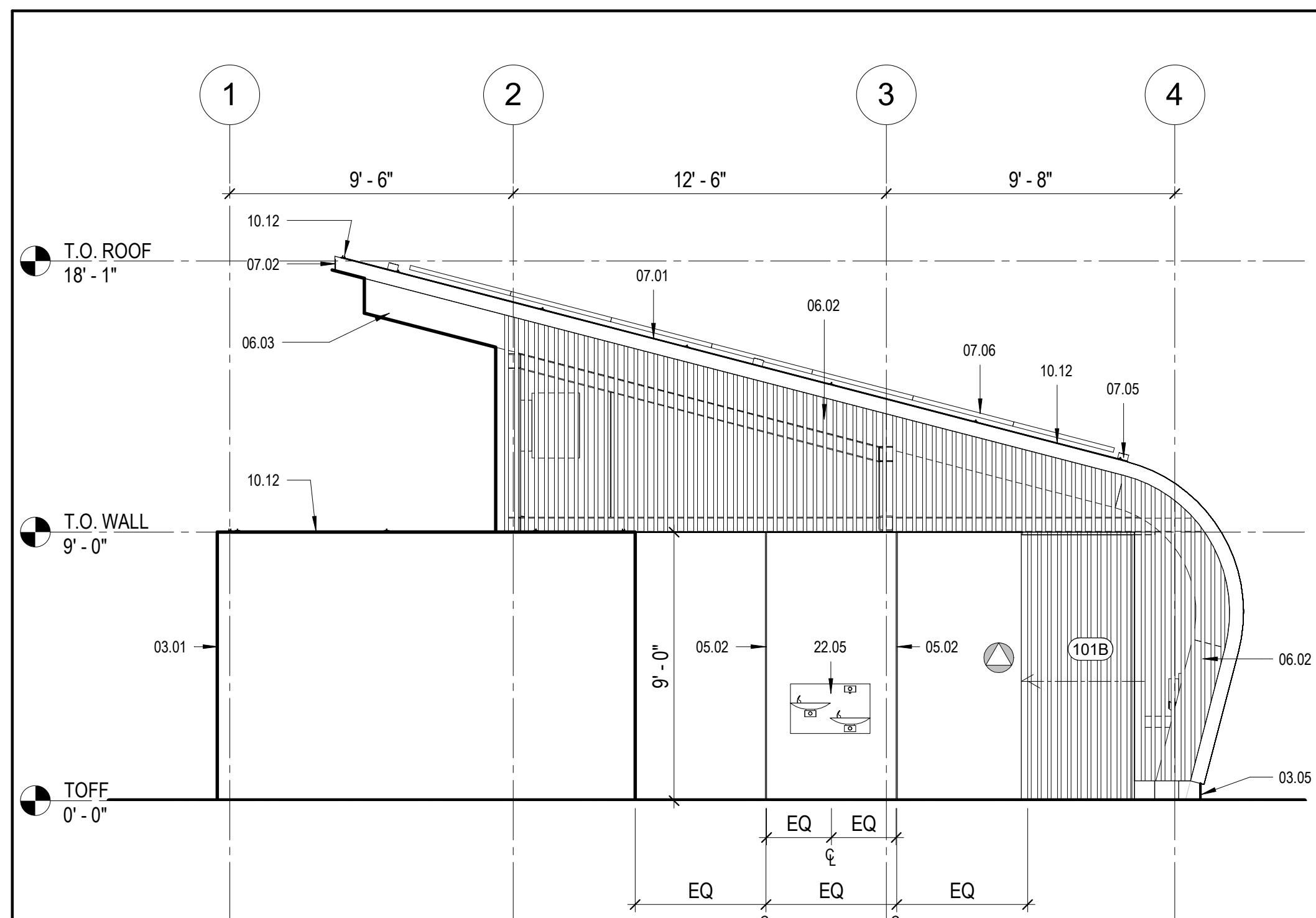


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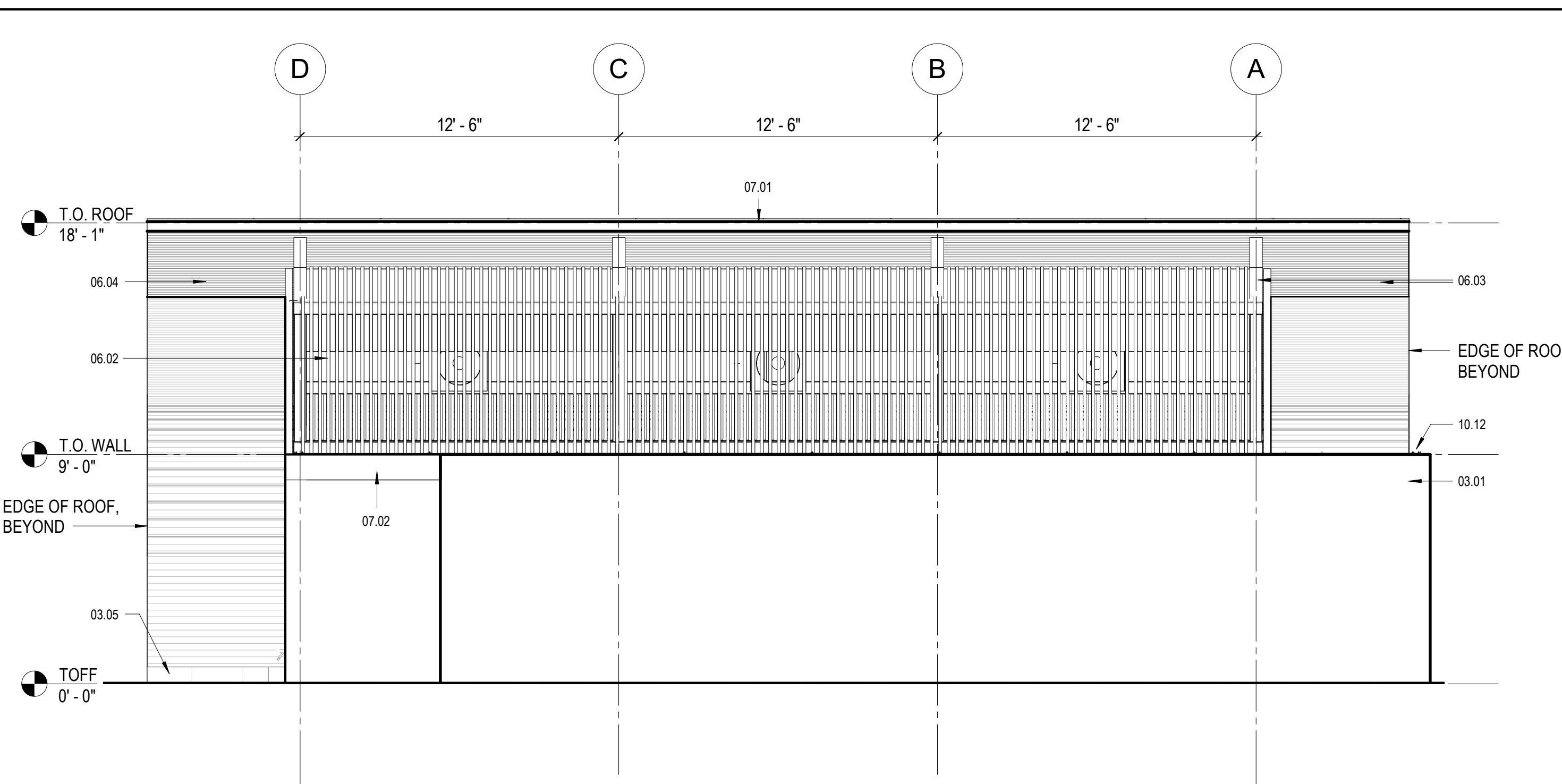
Contract No \_\_\_\_\_

Elevation Datum \_\_\_\_\_

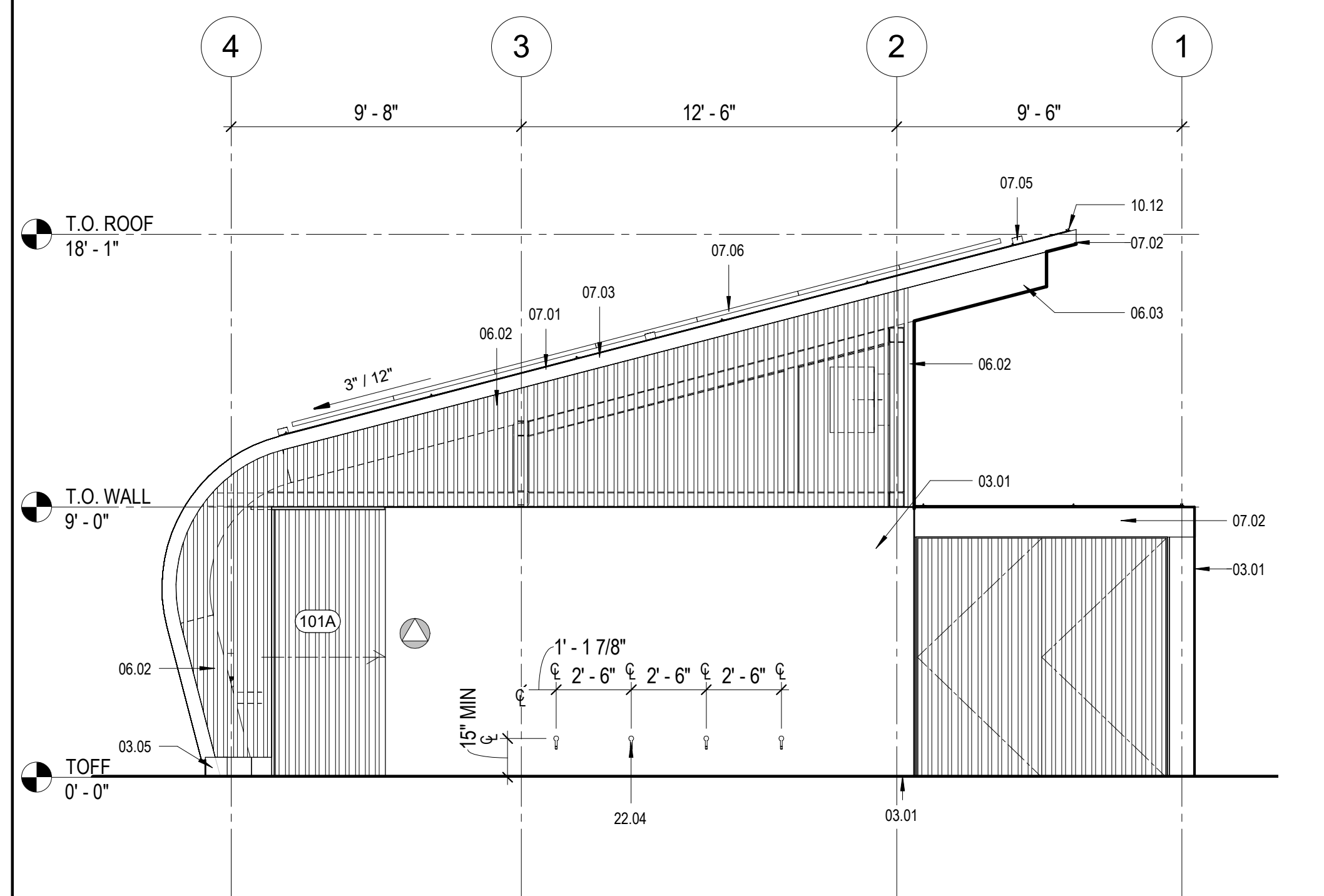
Project	Ocean Beach Restroom	Plan No.	A2.30
	2801 Great Highway San Francisco, CA 94132	Project No.	1902
Drawing Title	SLAB PLAN	Drawing/File No	Revision No
Scale:	As indicated		



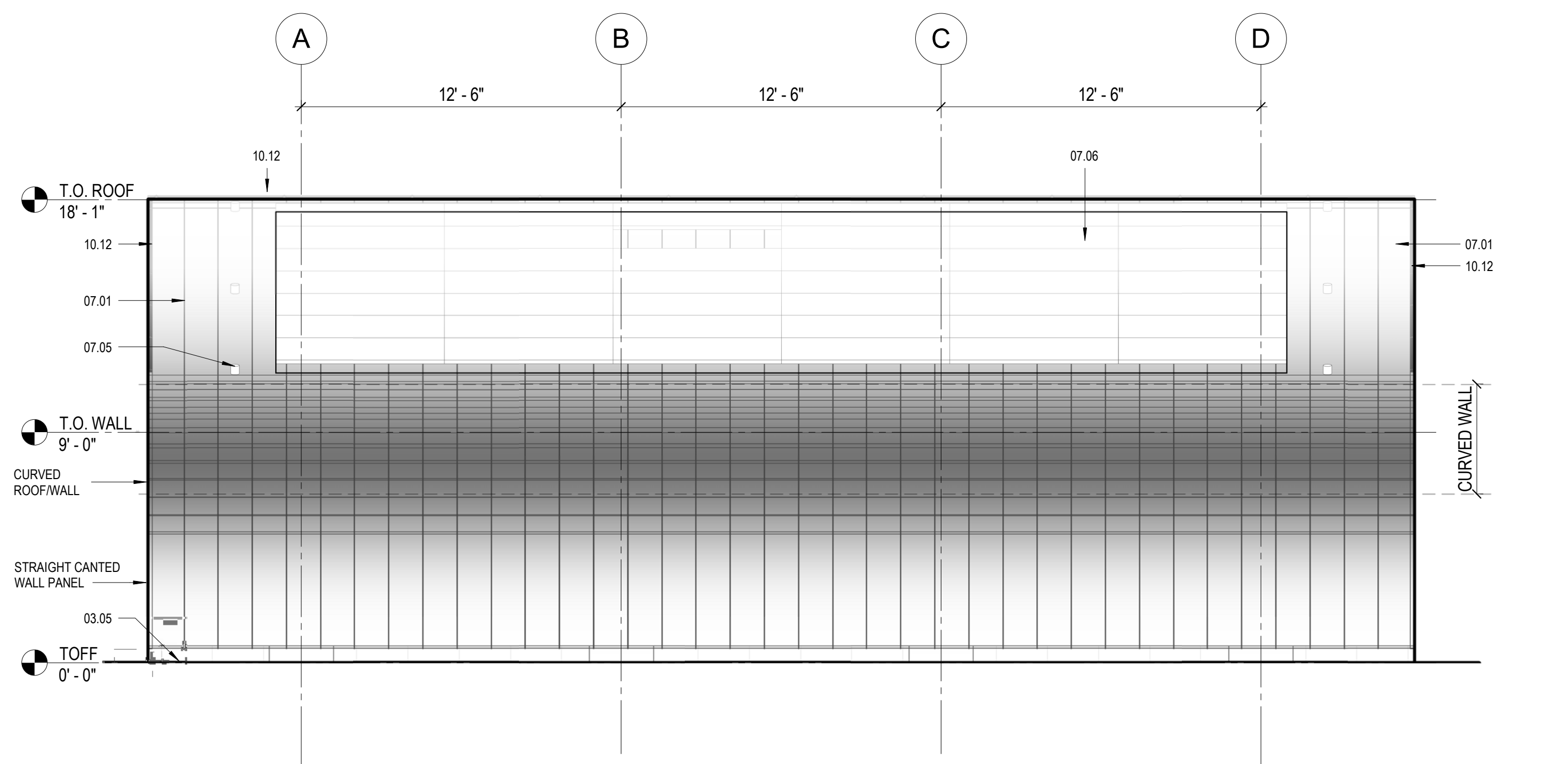
3 NORTH ELEVATION  
1/4" = 1'-0"



1 EAST ELEVATION  
1/4" = 1'-0"



4 SOUTH ELEVATION  
1/4" = 1'-0"



2 WEST ELEVATION  
1/4" = 1'-0"

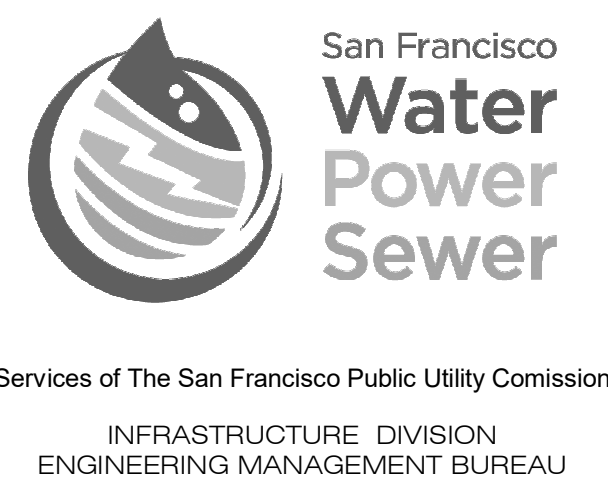
SHEET NOTES

- SEE SHEET G-SERIES SHEETS FOR ACCESSIBLE TOILET COMPARTMENT AND TOILET ROOM DETAILS
- SEE SHEETS A4.00 - A4.01 FOR ENLARGED PLANS AND ELEVATIONS.
- SEE SHEETS A6.10 - A6.23 FOR REFLECTED CEILING PLANS.
- SEE SHEET A9.00 FOR OPENING TYPES, SCHEDULES AND DETAILS.
- SEE SHEET A9.01 FOR PARTITION TYPES AND DETAILS.
- SEE STRUCTURAL, MECHANICAL, PLUMBING & ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
- CONTRACTOR TO PROTECT ALL EXISTING CONSTRUCTION TO REMAIN.

KEYNOTES

03.01	CONCRETE WALL
03.05	CONCRETE CURB, SSD
05.02	ALUM SIDE WALL
06.02	VERTICAL WOOD SLATTING
06.03	EXPOSED WOOD GLULAM BEAM, STAINED, SSD
06.04	EXPOSED WOOD CLT DECKING AT ROOF EAVE, SSD
07.01	ALUMINUM STANDING SEAM ROOFING
07.02	ALUMINUM ROOF FASCIA TRIM, TYP.
07.03	ALUMINUM ROOF RAKE TRIM, TYP.
07.05	ROOF FALL PROTECTION SYSTEM, CATENARY CABLE 4 INCHES ABOVE ROOF SURFACE
07.06	SOLAR PANELS, MOUNTED WITH CLIPS TO ROOF STANDING SEAM, TYP OF 42, SEL
10.12	BIRD DETERRENT - JOLT TRACK SYSTEM, SED.
22.04	FOOT SHOWER, SPD
22.05	DRINKING FOUNTAIN, SEE G SHEETS FOR MOUNTING HEIGHT AND DIMENSIONS

LEGEND



EMB Mgr. \_\_\_\_\_  
WWE Engineering Mgr. \_\_\_\_\_  
WWE O&M Mgr. \_\_\_\_\_  
Section Mgr. \_\_\_\_\_  
Designed \_\_\_\_\_  
Drawn \_\_\_\_\_  
Checked/Approved \_\_\_\_\_

BUREAU OF ARCHITECTURE



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Phone (628)271-2865

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Drawn CG, EG, KL  
Checked by \_\_\_\_\_  
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No.	Date	Revisions

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Contract No \_\_\_\_\_  
Elevation Datum \_\_\_\_\_

Project	Ocean Beach Restroom	Plan No.	A3.10
	2801 Great Highway San Francisco, CA 94132		
Drawing Title	EXTERIOR BUILDING ELEVATIONS	Project No.	1902
Drawing/File No	Revision No	Scale:	As indicated

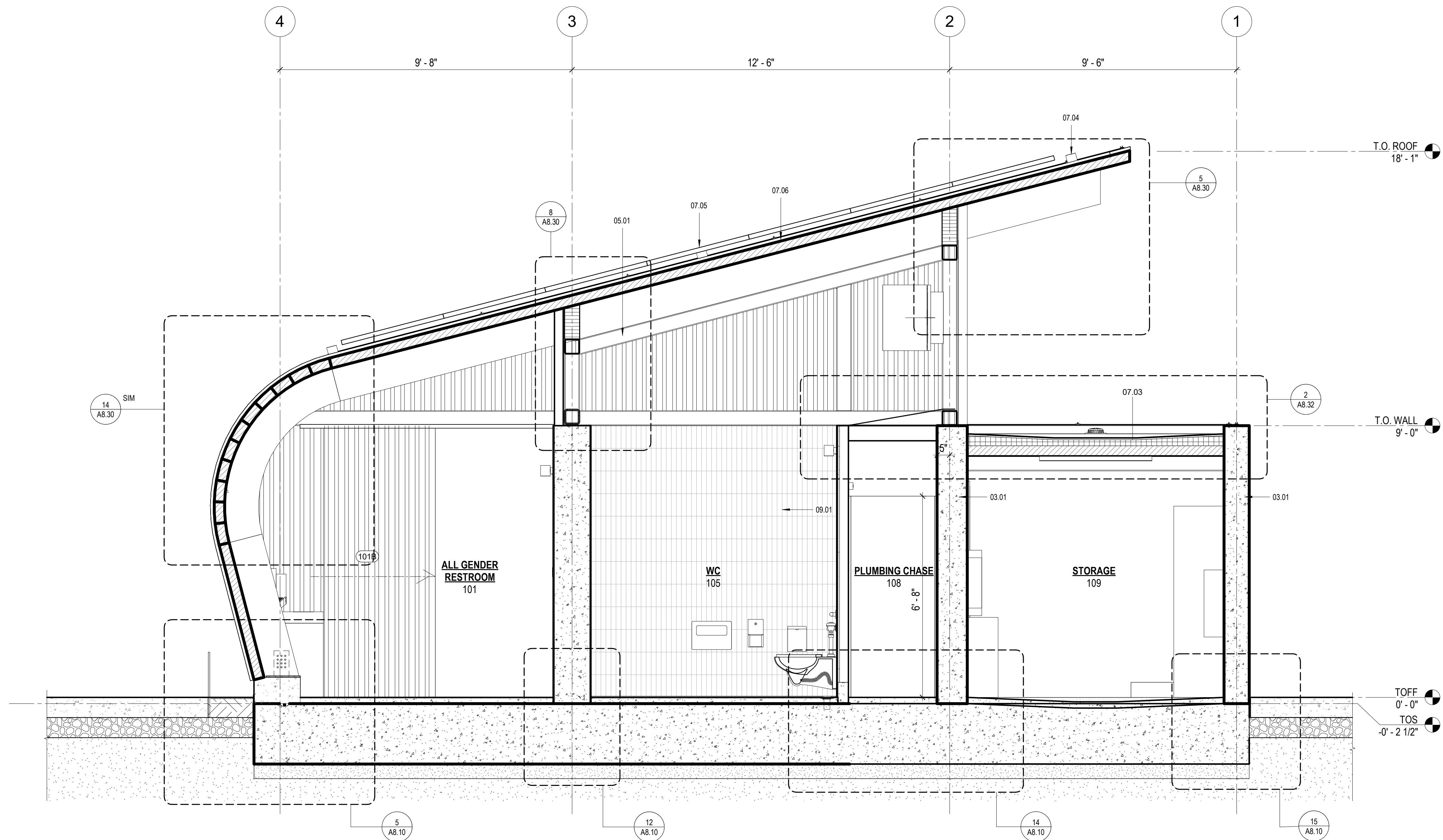


SHEET NOTES

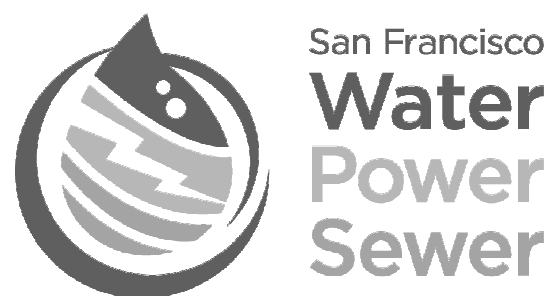
KEYNOTES

- 03.01 CONCRETE WALL
- 05.01 ARCHITECTURALLY EXPOSED STRUCTURAL STEEL FRAMING
- 07.03 ALUMINUM ROOF RAKE TRIM, TYP.
- 07.04 KEE SINGLE-PLY ROOF WITH CLT BELOW
- 07.05 ROOF FALL PROTECTION SYSTEM, CATENARY CABLE 4 INCHES ABOVE ROOF SURFACE
- 07.06 SOLAR PANELS, MOUNTED WITH CLIPS TO ROOF STANDING SEAM, TYP OF 42, SEL
- 09.01 TILE CLAD WALL, BEYOND

LEGEND



**1** TRANSVERSE SECTION  
1/2" = 1'-0"



EMB Mgr. \_\_\_\_\_  
 WWE Engineering Mgr. \_\_\_\_\_  
 WWE O&M Mgr. \_\_\_\_\_  
 Section Mgr. \_\_\_\_\_  
 Designed \_\_\_\_\_  
 Drawn \_\_\_\_\_  
 Checked/Approved \_\_\_\_\_

BUREAU OF ARCHITECTURE  
  
 Ron Alameida - City Architect  
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Contract No. \_\_\_\_\_

Elevation Datum \_\_\_\_\_

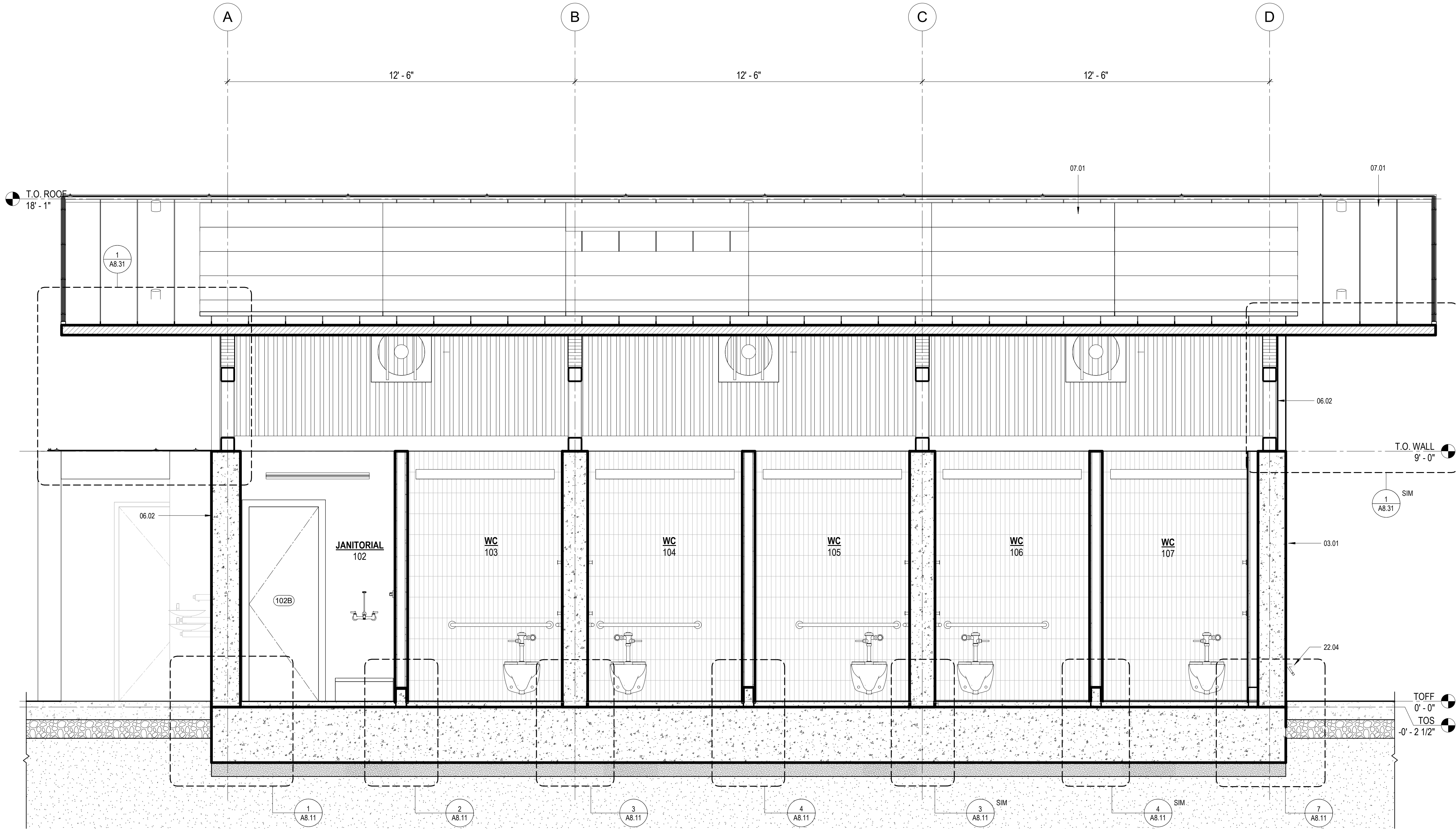
Project	Ocean Beach Restroom	Plan No.	A3.30
	2801 Great Highway San Francisco, CA 94132	Project No.	1902
Drawing Title	BUILDING SECTION	Drawing/File No	Revision No
			Scale: As indicated

SHEET NOTES


KEYNOTES

- 03.01 CONCRETE WALL
- 06.02 VERTICAL WOOD SLATTING
- 07.01 ALUMINUM STANDING SEAM ROOFING
- 22.04 FOOT SHOWER, SPD


LEGEND



**1** LONGITUDINAL SECTION  
1/2" = 1'-0"

  
 San Francisco  
**Water Power Sewer**  
 Services of The San Francisco Public Utility Commission  
 INFRASTRUCTURE DIVISION  
 ENGINEERING MANAGEMENT BUREAU

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 Elevation Datum \_\_\_\_\_

Project	Ocean Beach Restroom	Plan No.	A3.31
	2801 Great Highway San Francisco, CA 94132		
Drawing Title	BUILDING SECTION	Project No.	1902
Drawing/File No	Revision No	Scale:	As indicated

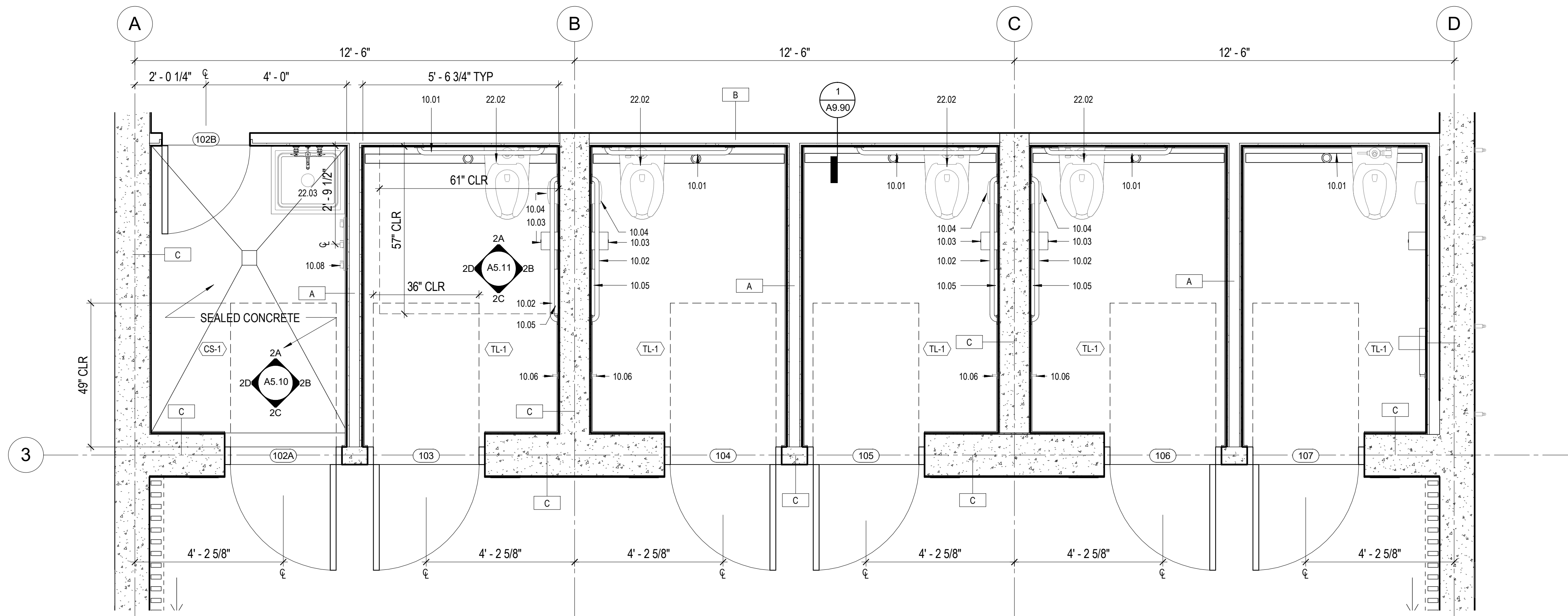
SHEET NOTES

1. SEE SHEET G-SERIES SHEETS FOR ACCESSIBLE TOILET COMPARTMENT AND TOILET ROOM DETAILS

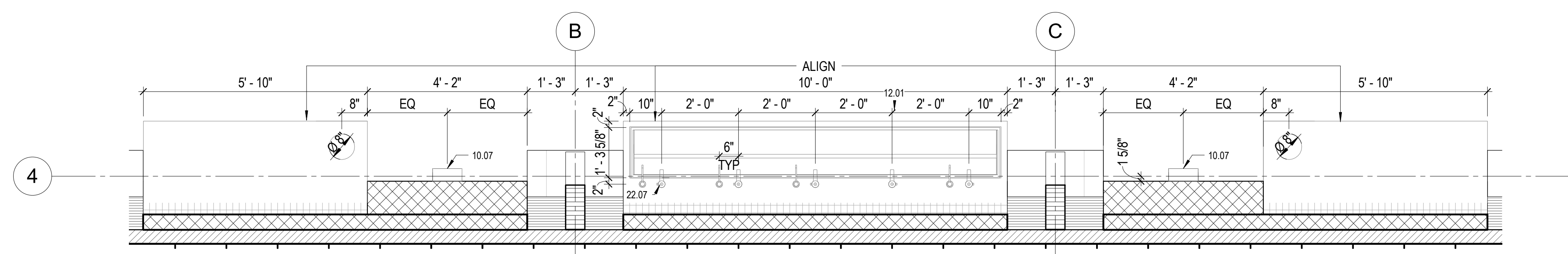
KEYNOTES

- 10.01 42" GRAB BAR, SEE SHEET G3.32
- 10.02 48" GRAB BAR, SEE SHEET G3.32
- 10.03 TOILET TISSUE DISPENSER, SEE SHEET G3.32
- 10.04 SANITARY NAPKIN DISPOSAL, SEE SHEET G3.32
- 10.05 TOILET SEAT COVER DISPENSER, SEE SHEET G3.32
- 10.06 COAT HANG
- 10.07 HAND DRYER
- 10.08 MOP RACK
- 12.01 QUARTZ COUNTERTOP
- 22.02 WALL-MOUNTED ADA WATER CLOSET, SPD
- 22.03 MOP SINK, SSPD
- 22.07 TRENCH DRAIN, SPD

LEGEND



1 ENLARGED FLOOR PLAN - TYP. WATER CLOSET  
1/2" = 1'-0"



2 ENLARGED FLOOR PLAN - SINK  
1/2" = 1'-0"



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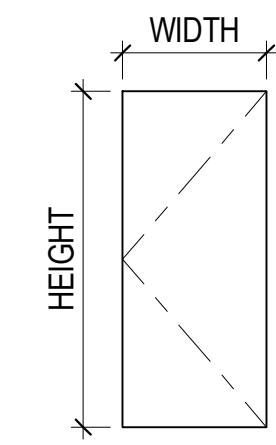
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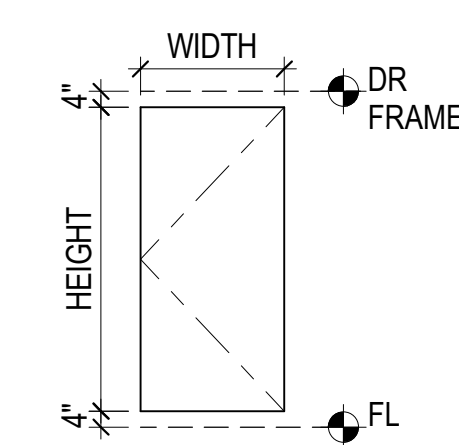
Contract No \_\_\_\_\_  
 Elevation Datum \_\_\_\_\_

Project	Ocean Beach Restroom	Plan No.	A4.10
	2801 Great Highway San Francisco, CA 94132		
Drawing Title	ENLARGED FLOOR PLANS	Project No.	1902
Drawing/File No	Revision No	Scale:	As indicated

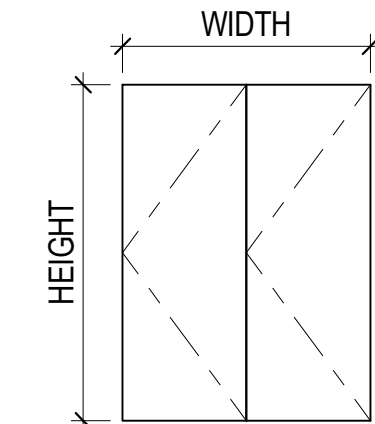
DOOR AND FRAME SCHEDULE											
DOOR NUMBER	DOOR TYPE	DOOR SIZE			FRAME DETAIL			HDWR GROUP	SIGNAGE	Fire Rating	COMMENTS
		WIDTH	HEIGHT	THICKNESS	HEAD	JAMB	THRESHOLD				
101A	S	4' - 1 1/2"	8' - 11"	0' - 3 1/2"	1A/A8.60	1B/A8.60	1C/A8.60				
101B	S	4' - 1 1/2"	8' - 11"	0' - 3 1/2"	1A/A8.60	1B/A8.60	1C/A8.60				
101C	B	8' - 4 1/2"	8' - 0"	0' - 1 3/4"	3A/A8.60	3B/A8.60	3C/A8.60				
102A	F2	3' - 0"	6' - 0"	0' - 2"	1/A9.40 SIM.	3A&B/A9.40 SIM.	6C/A9.40				
102B	F1	2' - 6"	7' - 0"	0' - 2"	3/A9.40 SIM.	3/A9.40	6A/A9.40				
103	F2	3' - 0"	6' - 0"	0' - 2"	1/A9.40	3A&B/A9.40	6B/A9.40				
104	F2	3' - 0"	6' - 0"	0' - 2"	1/A9.40	3A&B/A9.40	6B/A9.40				
105	F2	3' - 0"	6' - 0"	0' - 2"	1/A9.40	3A&B/A9.40	6B/A9.40				
106	F2	3' - 0"	6' - 0"	0' - 2"	1/A9.40	3A&B/A9.40	6B/A9.40				
107	F2	3' - 0"	6' - 0"	0' - 2"	1/A9.40	3A&B/A9.40	6B/A9.40				
108A	F1	3' - 0"	7' - 0"	0' - 1 7/8"	2/A9.40 SIM.	2/A9.40	1C/A9.40				
108B	F1	3' - 0"	7' - 0"	0' - 1 7/8"	2/A9.40 SIM.	2/A9.40	6A/A9.40			1 HOUR	



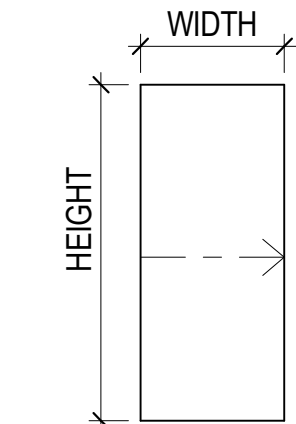
F1 FLUSH PANEL



F2 FLUSH PANEL PLUMBING COMPARTMENT



B BIFOLD WOOD SLATTING



S SLIDING WOOD SLATTING

1 DOOR TYPES  
1/4" = 1'-0"

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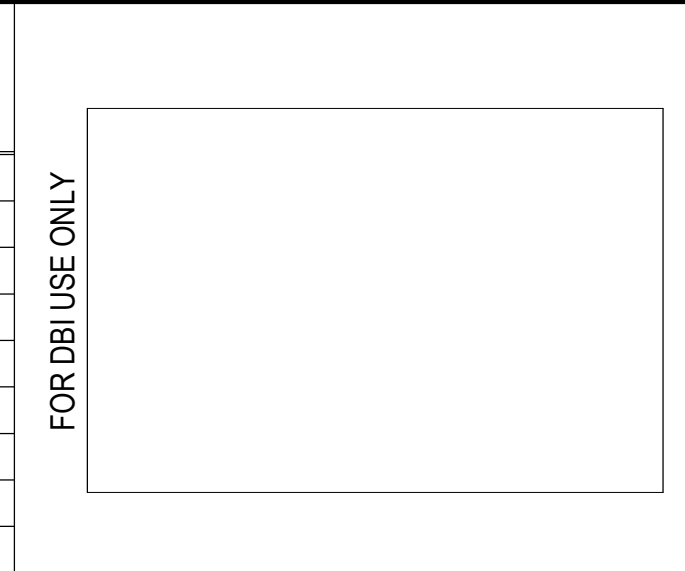
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Contract No.	Drawing Title DOOR TYPES & SCHEDULE		Project No. 1902
Elevation Datum	Drawing/File No	Revision No	Scale: 1/4" = 1'-0"

SHEET NOTES

1. SEE SHEET G-SERIES SHEETS FOR ACCESSIBLE TOILET COMPARTMENT AND TOILET ROOM DETAILS
2. SEE SHEETS A4.00 - A4.01 FOR ENLARGED PLANS AND ELEVATIONS.
3. SEE SHEETS A6.10 - A6.23 FOR REFLECTED CEILING PLANS.
4. SEE SHEET A9.00 FOR OPENING TYPES, SCHEDULES AND DETAILS.
5. SEE SHEET A9.01 FOR PARTITION TYPES AND DETAILS.
6. SEE STRUCTURAL, MECHANICAL, PLUMBING & ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
7. CONTRACTOR TO PROTECT ALL EXISTING CONSTRUCTION TO REMAIN.

KEYNOTES

03.01	CONCRETE WALL
05.01	ARCHITECTURALLY EXPOSED STRUCTURAL STEEL FRAMING
06.02	VERTICAL WOOD SLATTING
06.03	EXPOSED WOOD GLULAM BEAM, STAINED, SSD
06.04	EXPOSED WOOD CLT DECKING AT ROOF EAVE, SSD
09.02	TILE CLAD WALL
10.08	MOP RACK
10.13	SECURITY VIDEO SURVEILLANCE SYSTEM, SED
22.03	MOP SINK, SSPD
26.01	SOLAR PANEL EQUIPMENT & BATTERY SYSTEM, SED

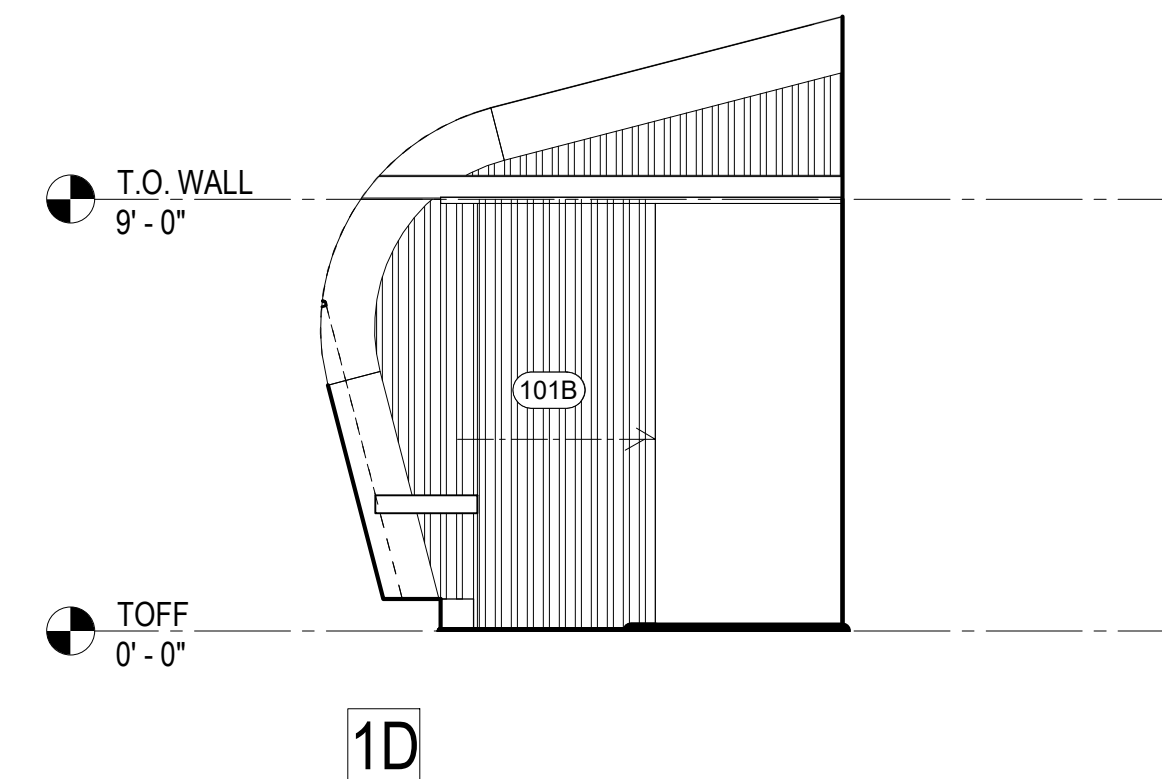
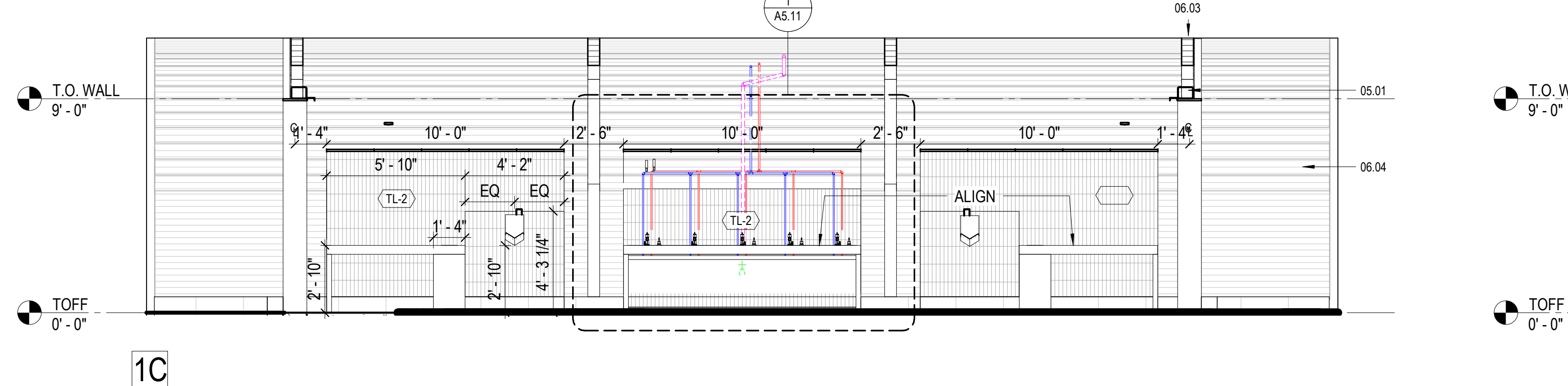
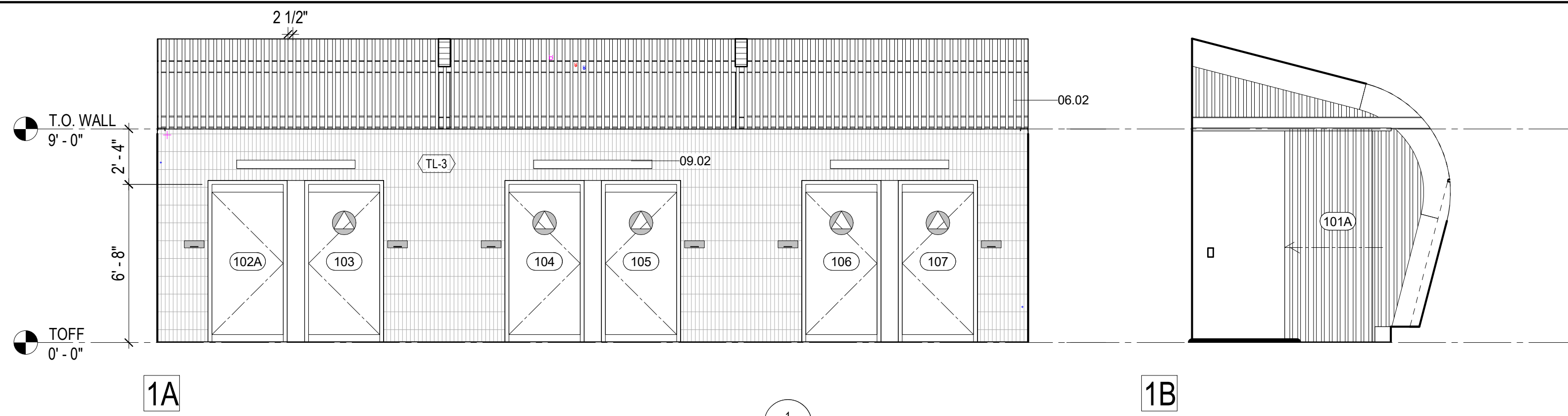
LEGEND

WALL LEGEND

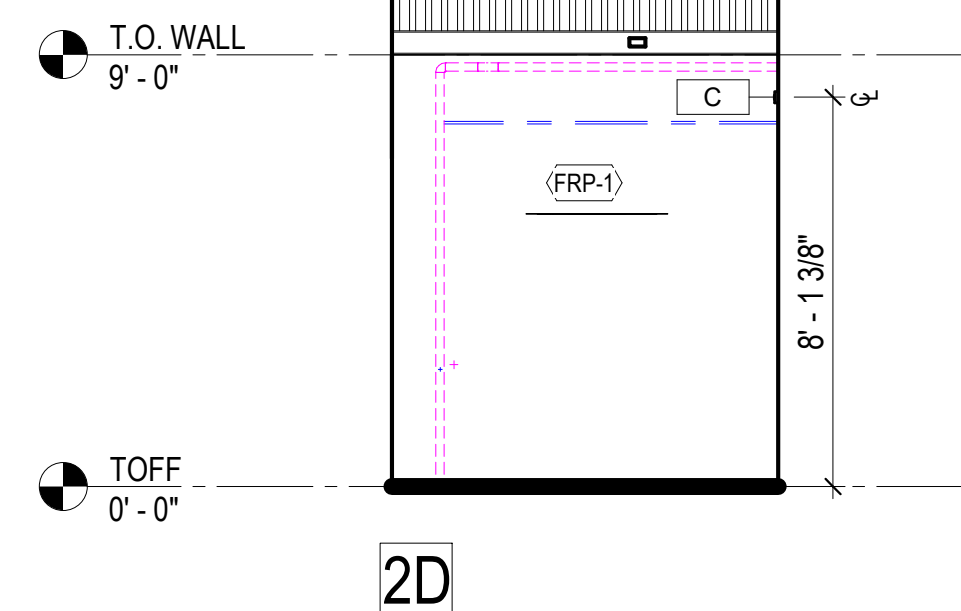
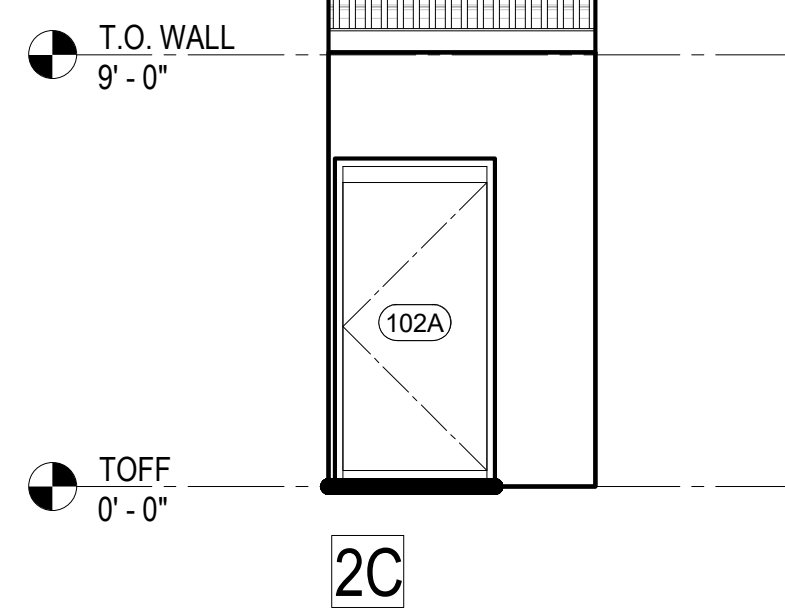
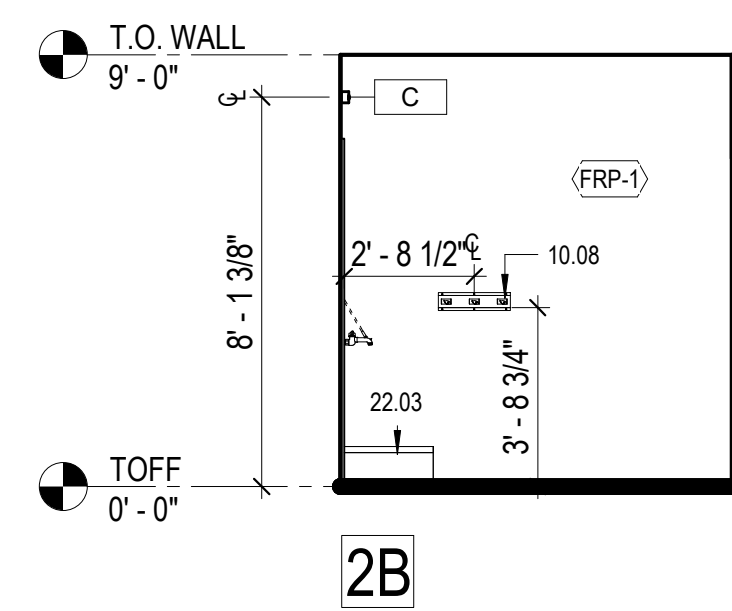
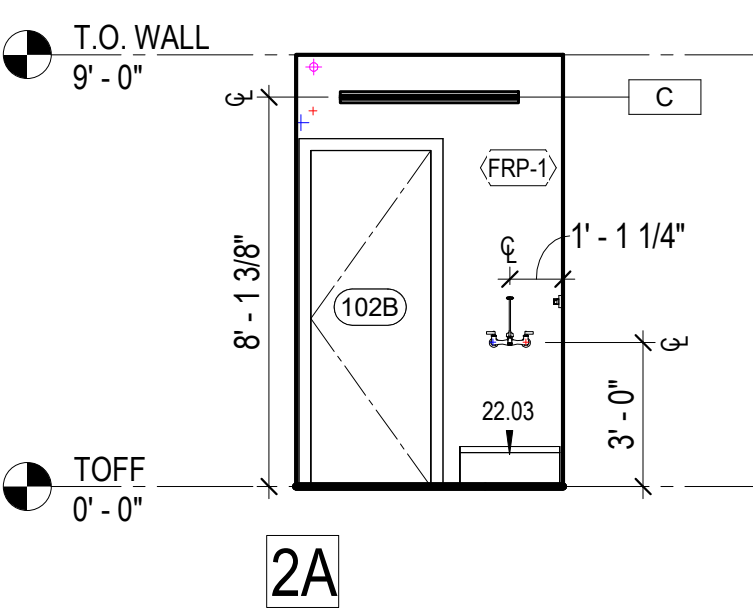
	CONCRETE WALLS
	WOOD STUD FRAMING, FINISH PER SCHEDULE
	CLT - CROSS LAMINATED TIMBER DECKING, SSD.

FLOOR FINISH LEGEND

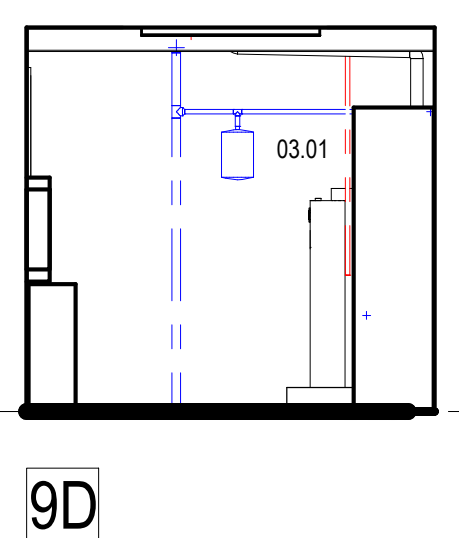
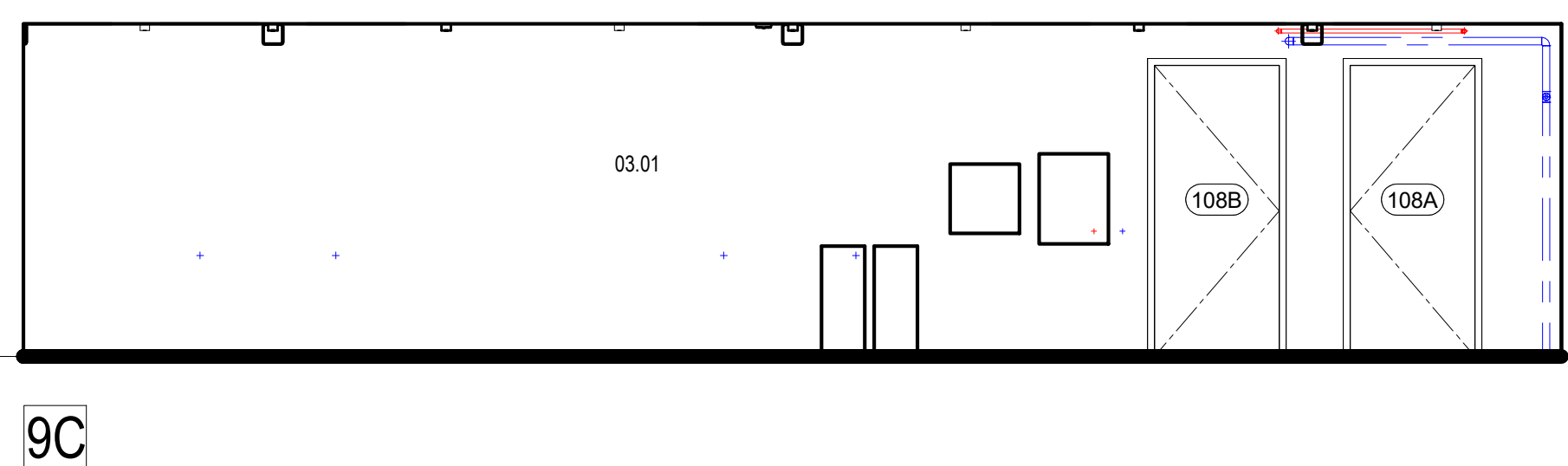
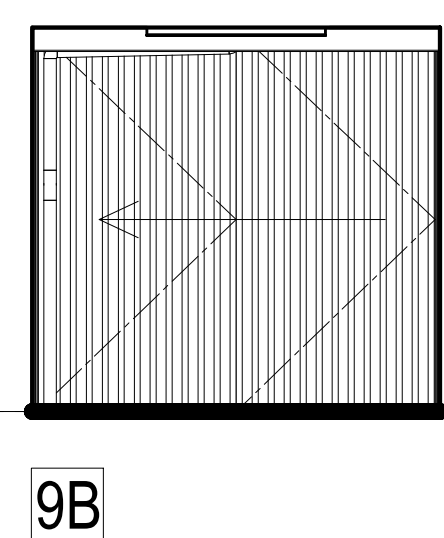
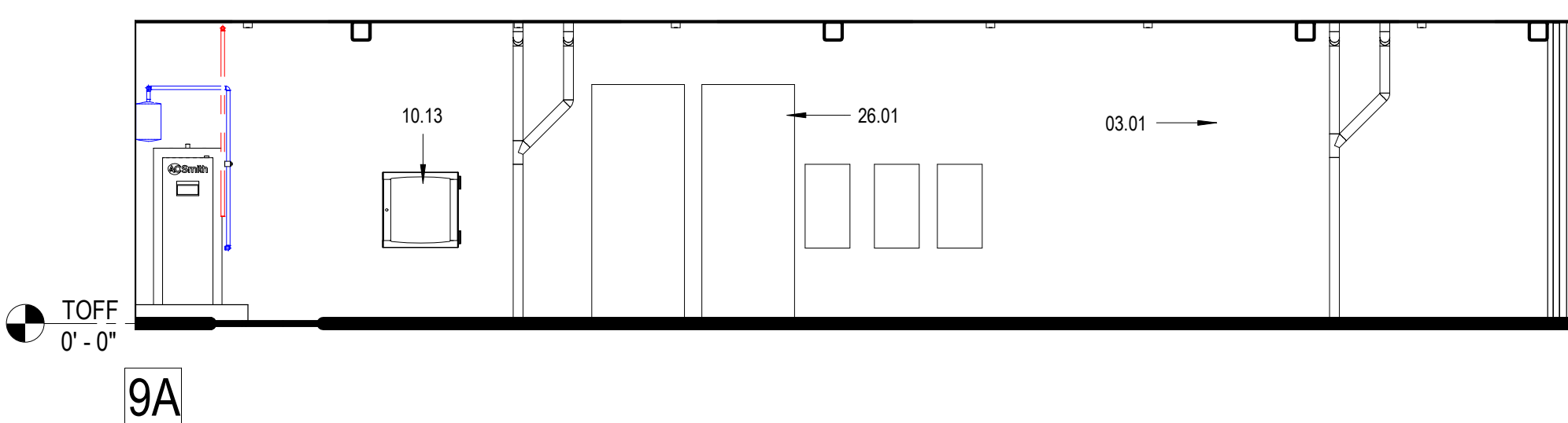
	SC-1: SEALED CONCRETE
	TL-1: 24" x 24" TILE



1A  
1C  
ELEVATIONS - ALL GENDER RESTROOM  
1/4" = 1'-0"



2A  
2B  
2C  
2D  
ELEVATIONS - JANITORIAL  
1/4" = 1'-0"



9A  
9B  
9C  
9D  
ELEVATIONS - STORAGE  
1/4" = 1'-0"



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WWE O&M Mgr.  
Section Mgr.  
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Project	Ocean Beach Restroom	Plan No.	A5.10
	2801 Great Highway San Francisco, CA 94132		
Contract No.		Drawing Title	INTERIOR ELEVATIONS
		Project No.	1902
Elevation Datum		Drawing/File No	
		Revision No	
		Scale:	As indicated

SHEET NOTES

- SEE SHEET G-SERIES SHEETS FOR ACCESSIBLE TOILET COMPARTMENT AND TOILET ROOM DETAILS
- SEE SHEETS A4.00 - A4.01 FOR ENLARGED PLANS AND ELEVATIONS.
- SEE SHEETS A6.10 - A6.23 FOR REFLECTED CEILING PLANS.
- SEE SHEET A9.00 FOR OPENING TYPES, SCHEDULES AND DETAILS.
- SEE SHEET A9.01 FOR PARTITION TYPES AND DETAILS.
- SEE STRUCTURAL, MECHANICAL, PLUMBING & ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
- CONTRACTOR TO PROTECT ALL EXISTING CONSTRUCTION TO REMAIN.

KEYNOTES

09.01	TILE CLAD WALL, BEYOND
10.01	42" GRAB BAR, SEE SHEET G3.32
10.02	48" GRAB BAR, SEE SHEET G3.32
10.03	TOILET TISSUE DISPENSER, SEE SHEET G3.32
10.04	SANITARY NAPKIN DISPOSAL, SEE SHEET G3.32
10.05	TOILET SEAT COVER DISPENSER, SEE SHEET G3.32
10.06	COAT HANG
10.11	P-LAM TRASH RECEPTACLE
12.01	QUARTZ COUNTERTOP
22.07	TRENCH DRAIN, SPD

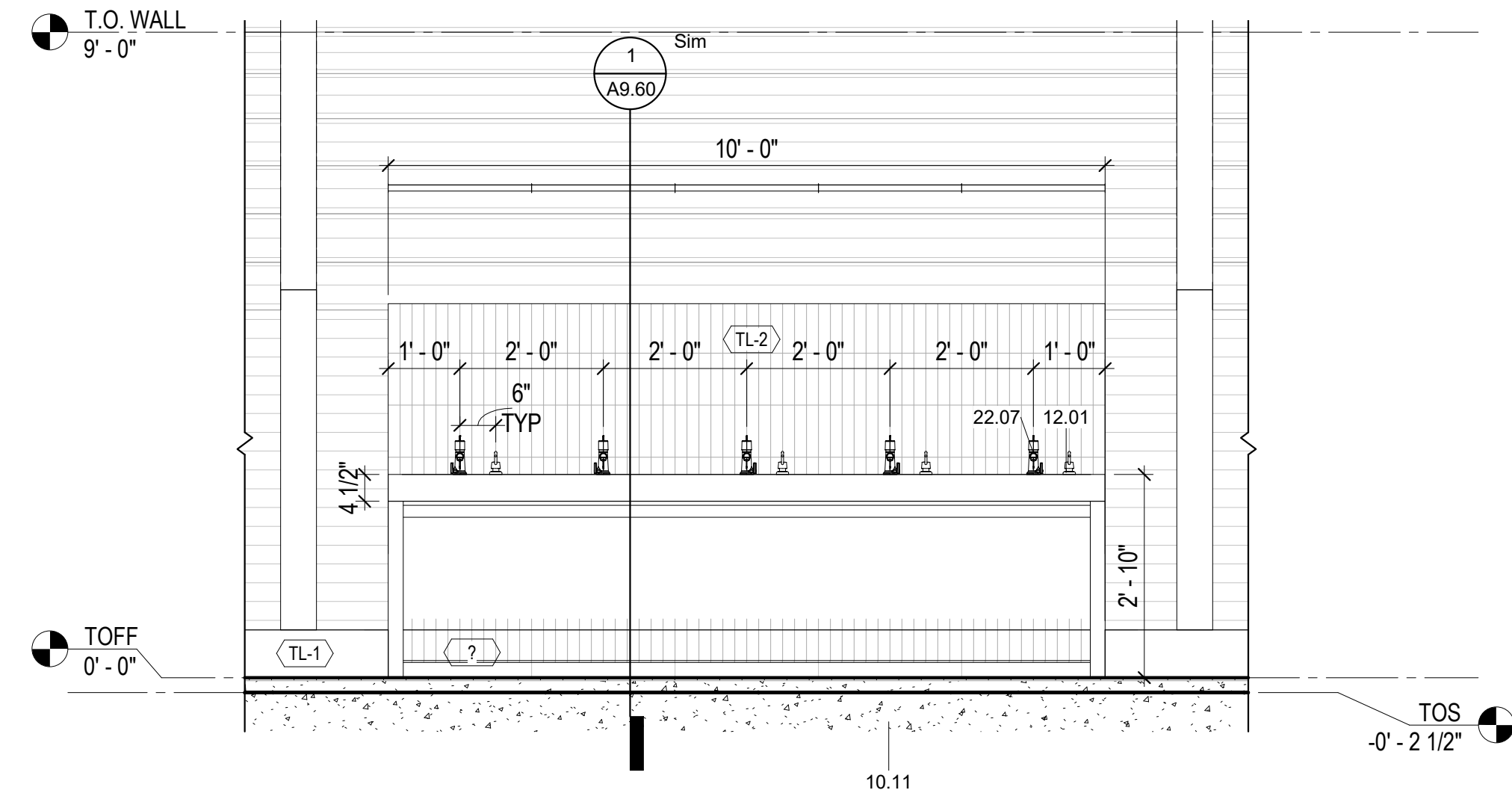
LEGEND

WALL LEGEND

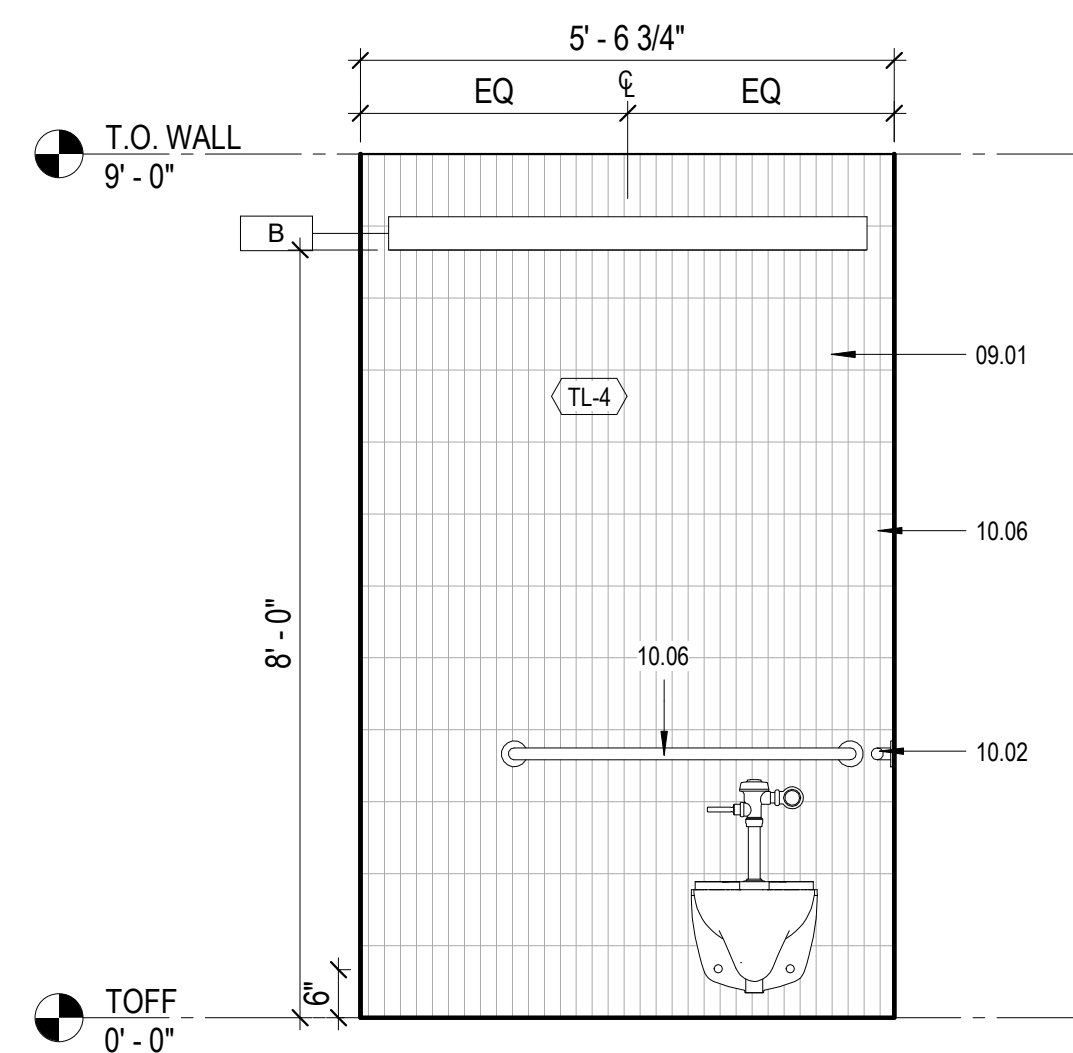
	CONCRETE WALLS
	WOOD STUD FRAMING, FINISH PER SCHEDULE
	CLT - CROSS LAMINATED TIMBER DECKING, SSD.

FLOOR FINISH LEGEND

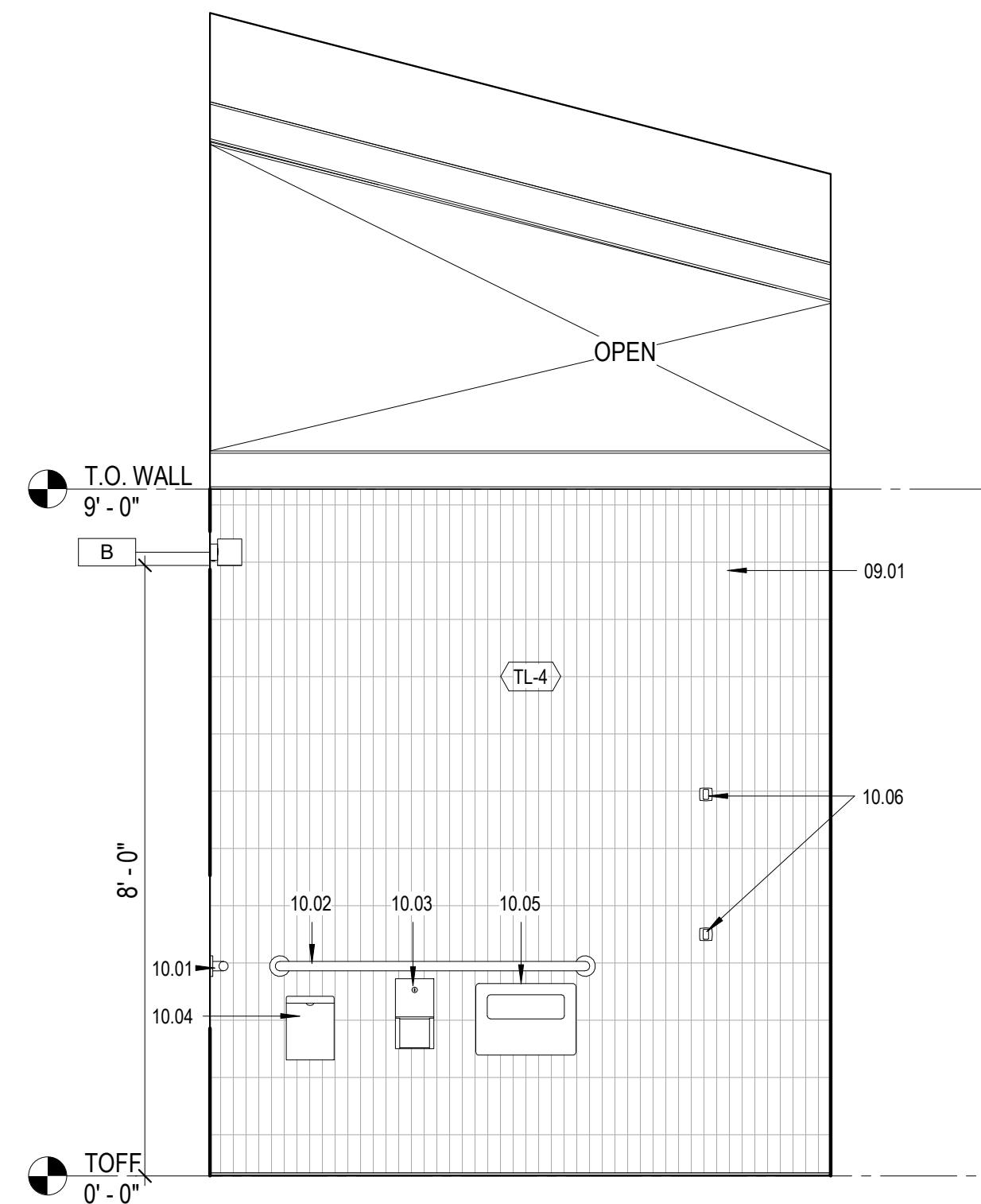
	SC-1: SEALED CONCRETE
	TL-1: 24" x 24" TILE



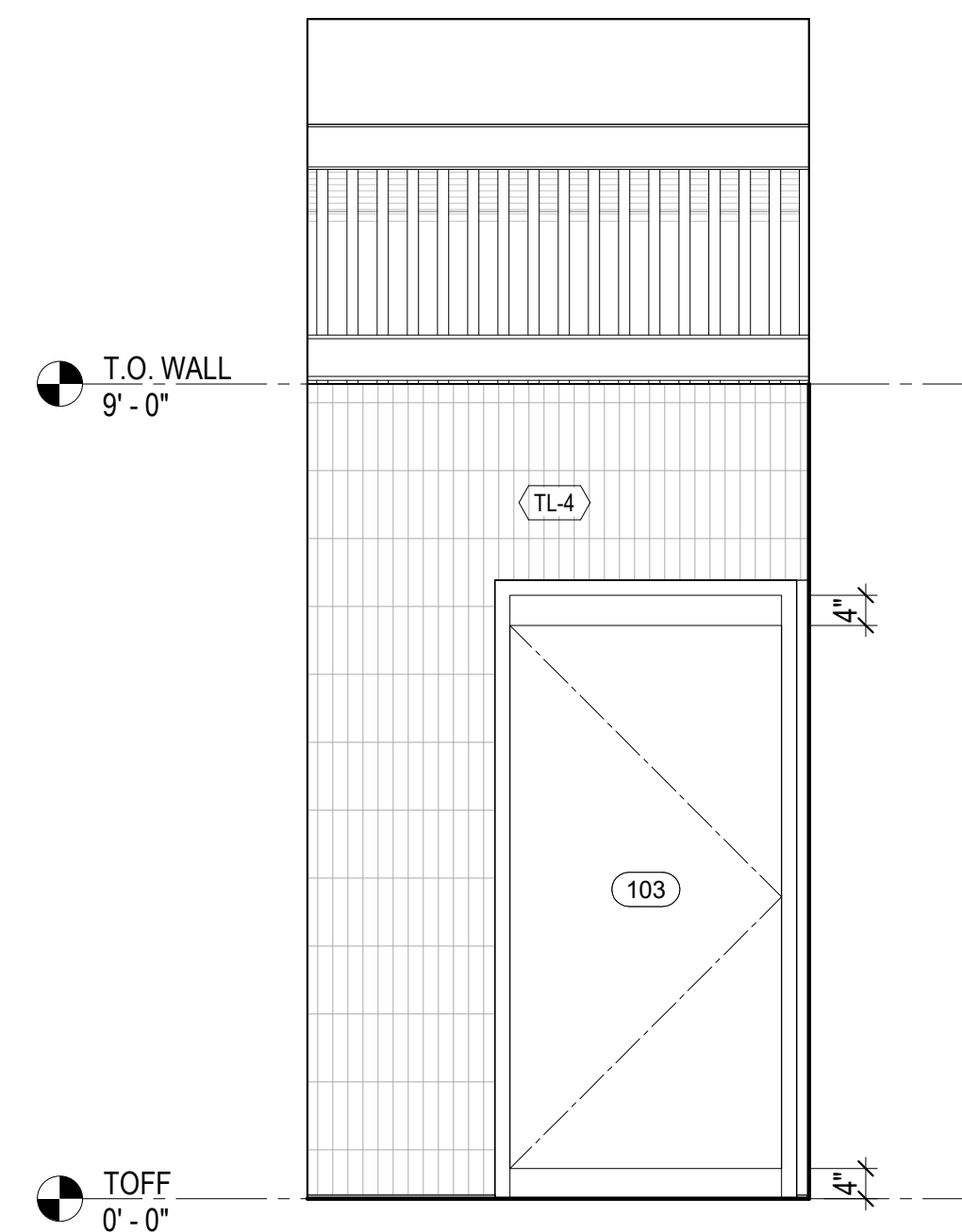
1 ENLARGED ELEVATION - ALL GENDER RESTROOM LAVATORY  
1/2" = 1'-0"



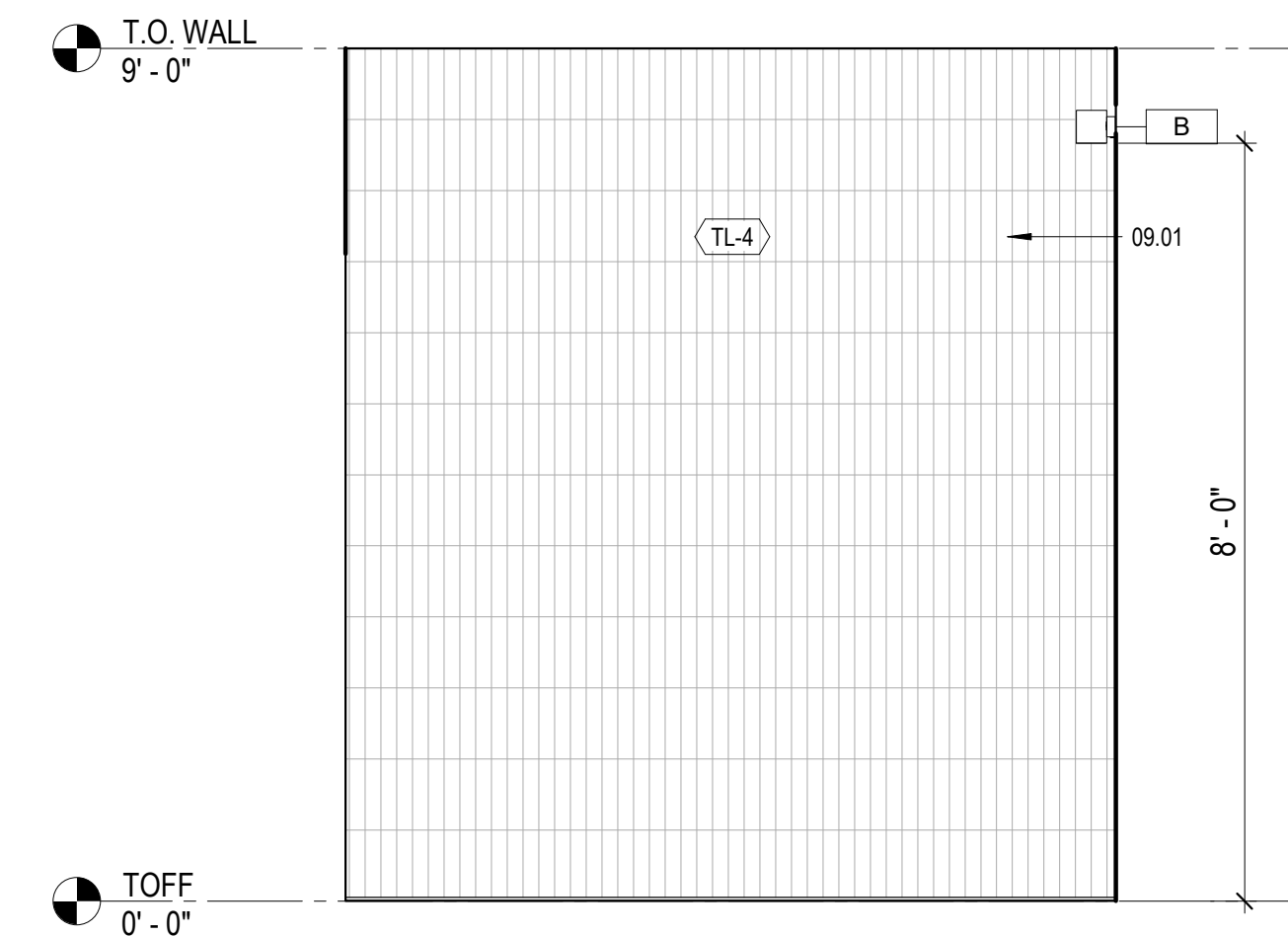
2A ELEVATIONS - TYP. WATER CLOSET  
1/2" = 1'-0"



2B



2C



2D



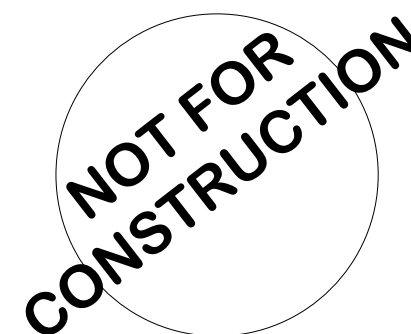
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Contract No

Elevation Datum

Project Ocean Beach Restroom

2801 Great Highway  
 San Francisco, CA 94132

Drawing Title

INTERIOR ELEVATIONS

Drawing/File No

Revision No

Plan No.

A5.11

Project No.

1902

Scale: As indicated




SHEET NOTES

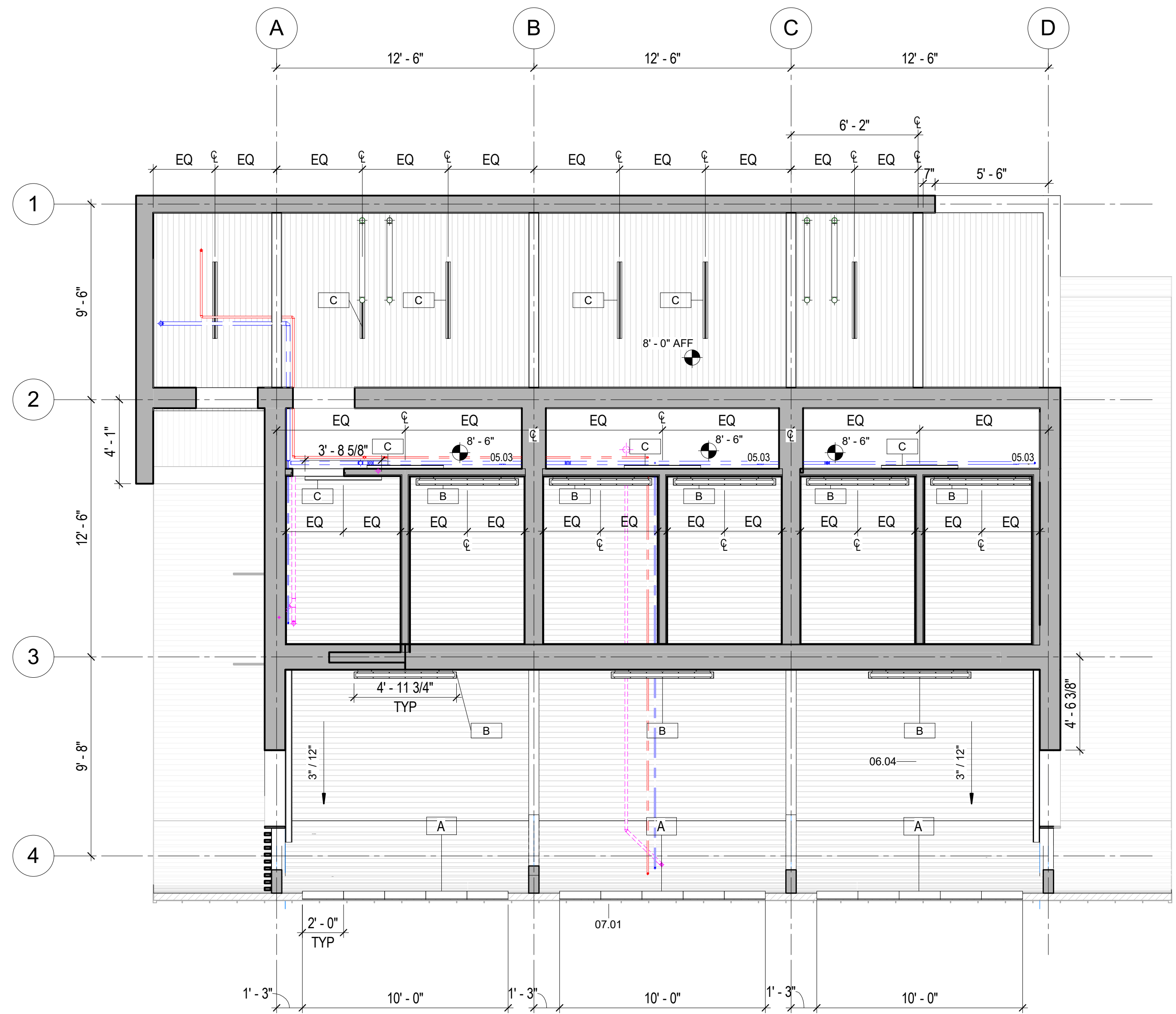
1. SEE GENERAL NOTES ON SHEET G3.11

KEYNOTES

- 05.03 CUSTOM BRAKE-SHAPED ALUMINUM COVERING, SEE DETAIL 9/A8.30
- 06.04 EXPOSED WOOD CLT DECKING AT ROOF EAVE, SSD
- 07.01 ALUMINUM STANDING SEAM ROOFING

LEGEND

- TYPE A  2' COVE LIGHTING
- TYPE B  WALL MOUNTED DOWN LIGHTS
- TYPE C  WALL MOUNTED STRIP LIGHTING



1 REFLECTED CEILING PLAN  
1/4" = 1'-0"



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 WWE O&M Mgr. \_\_\_\_\_  
 Section Mgr. \_\_\_\_\_  
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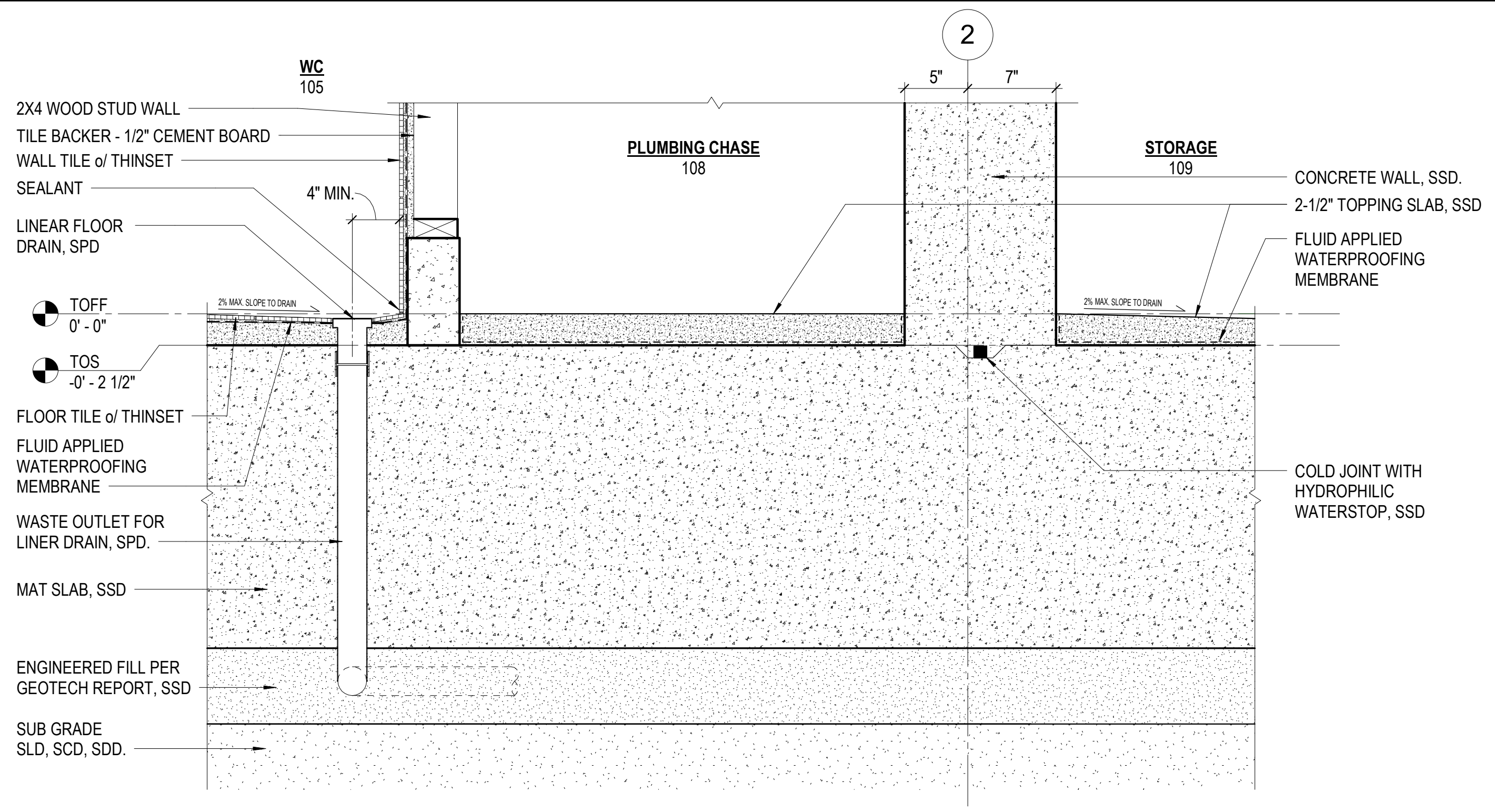
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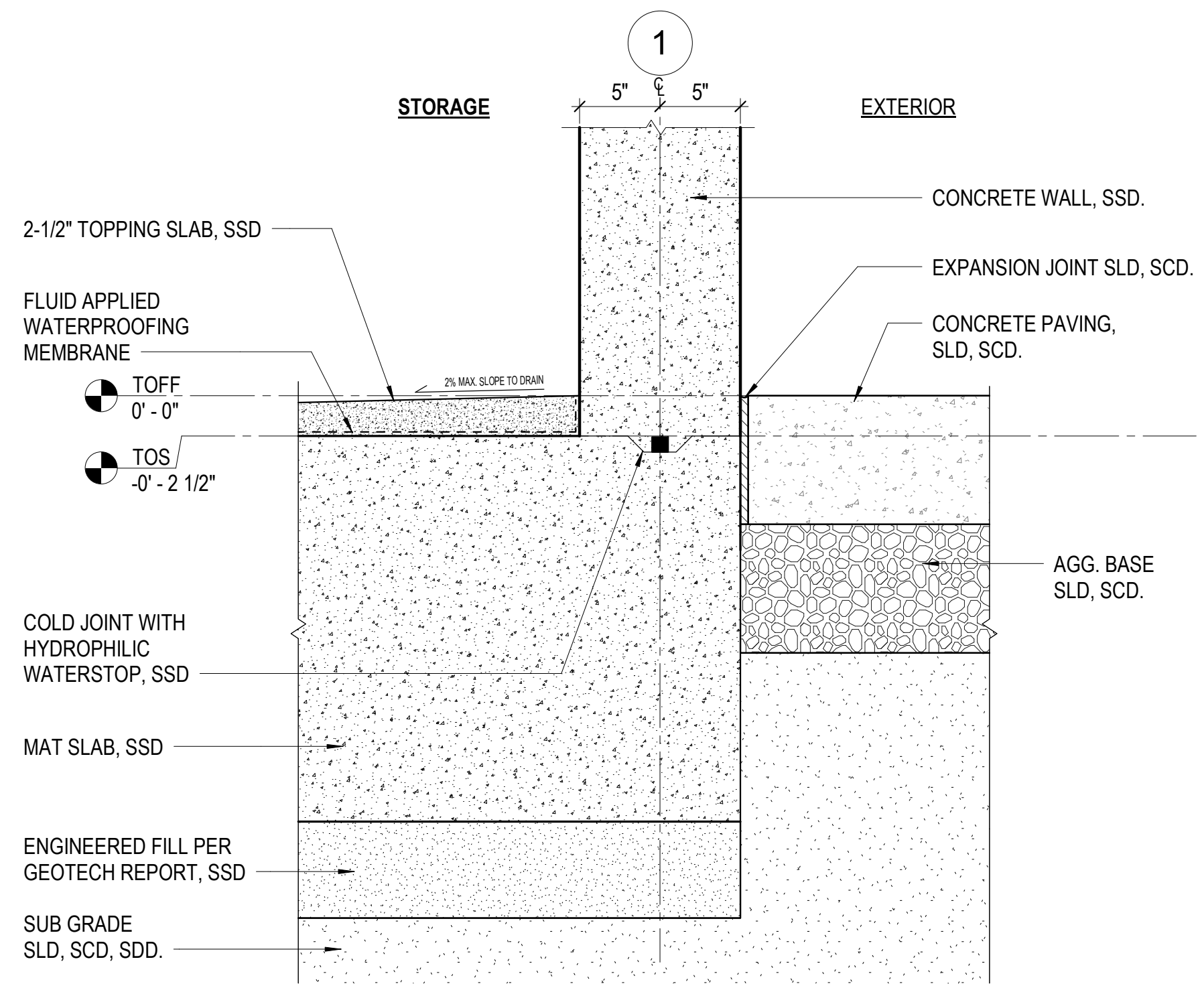
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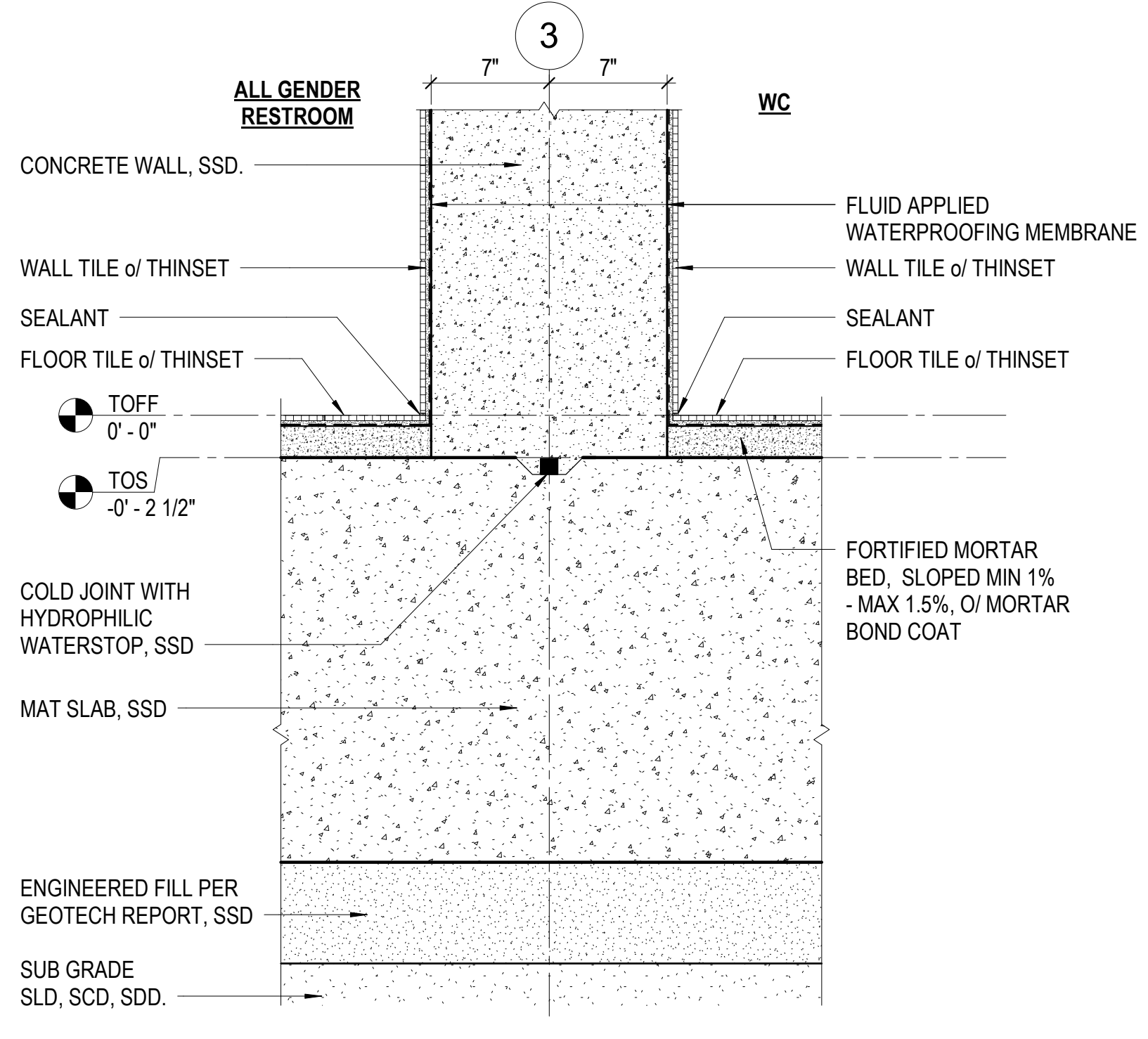
Project	Ocean Beach Restroom		Plan No.	A6.10
	2801 Great Highway San Francisco, CA 94132			
Contract No.	Drawing Title	Project No.		
	REFLECTED CEILING PLANS	1902		
Elevation Datum	Drawing/File No	Revision No	Scale: As indicated	



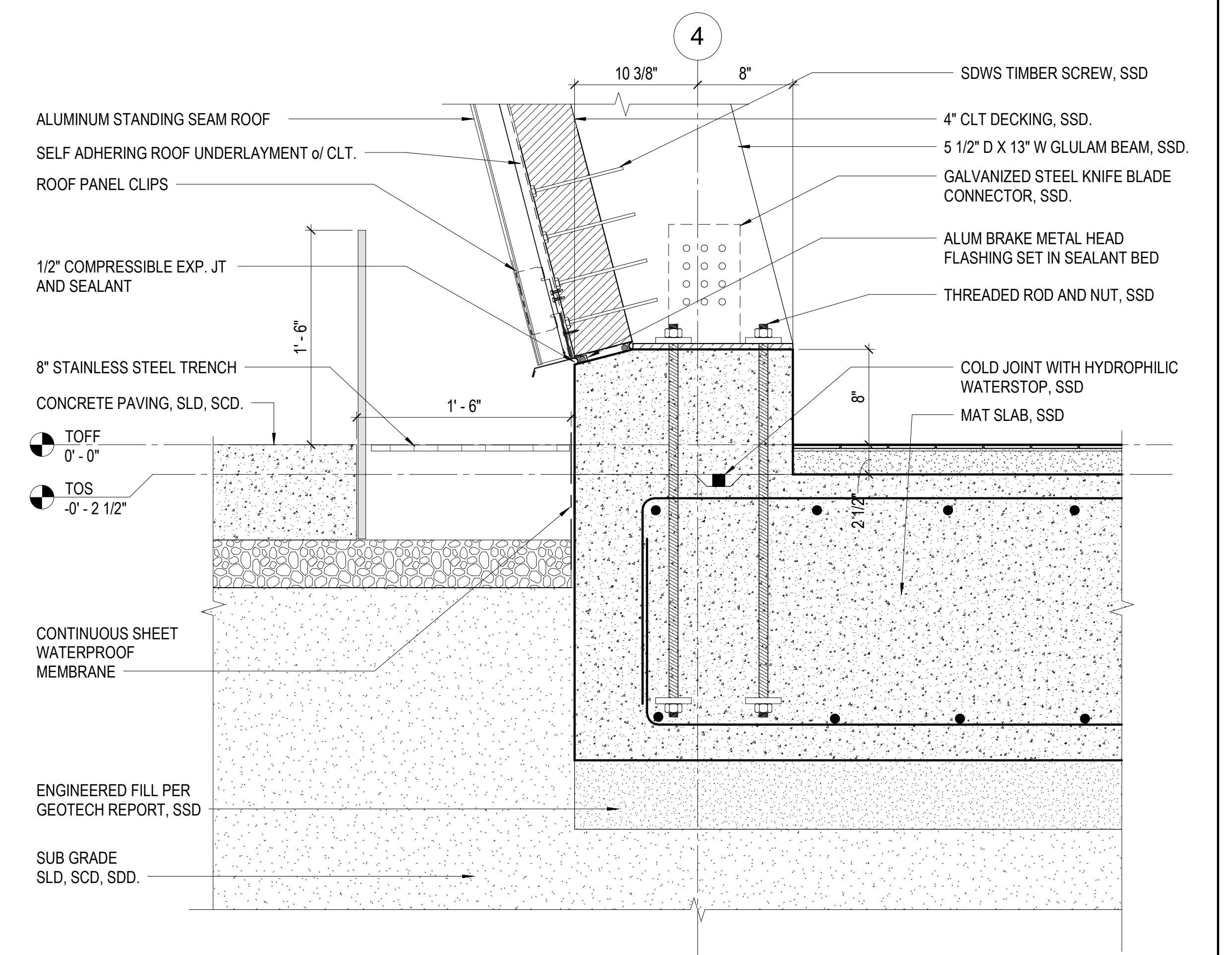
14 INTERIOR WALL BASE @ COL. LINE 2  
1 1/2" = 1'-0"



15 EXTERIOR WALL BASE @ COL. LINE 1  
1 1/2" = 1'-0"



12 INTERIOR WALL BASE @ COL. LINE 3  
1 1/2" = 1'-0"



5 EXTERIOR WALL BASE @ COL. LINE 4  
1 1/2" = 1'-0"

San Francisco Water Power Sewer

Services of The San Francisco Public Utility Commission

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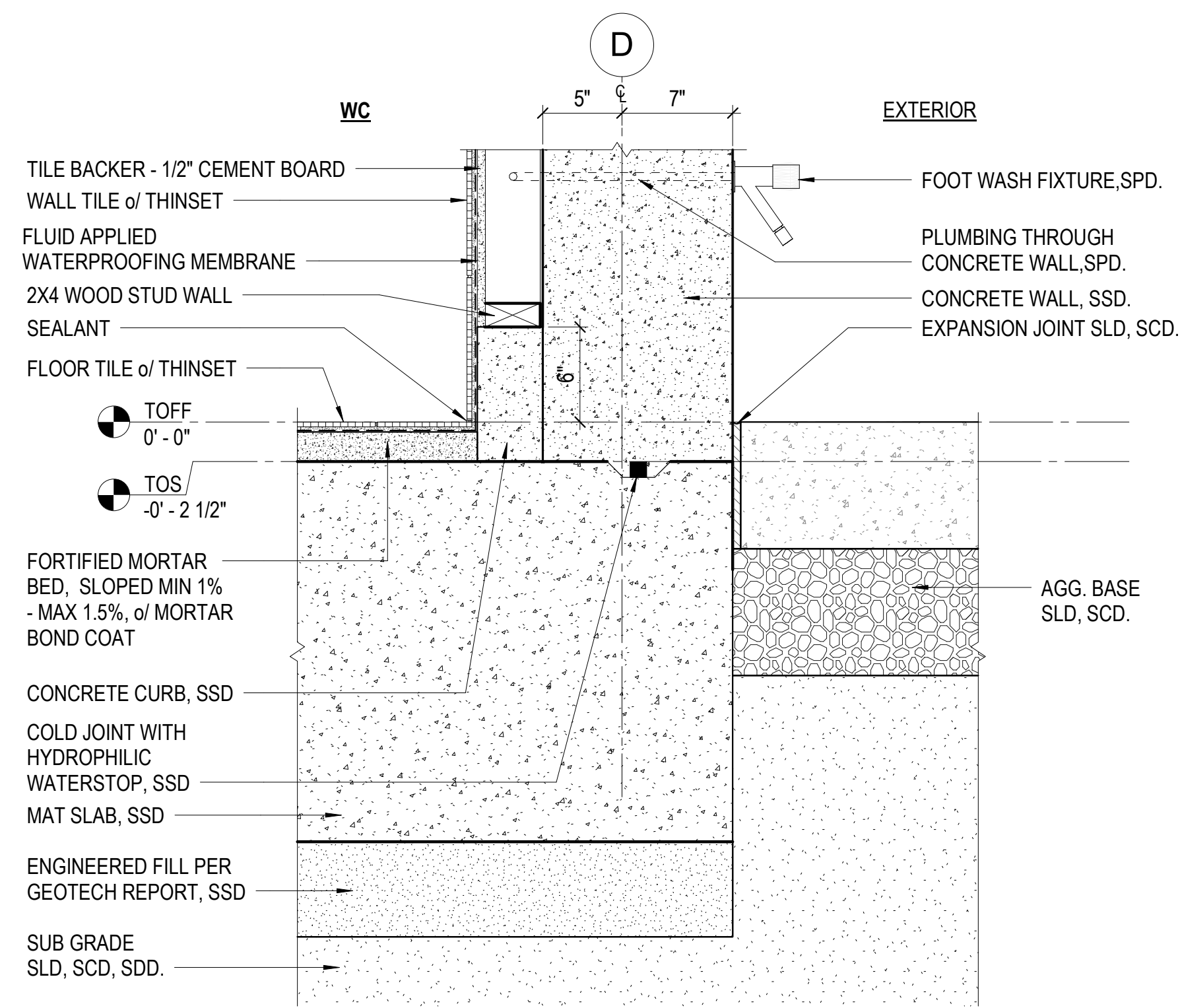
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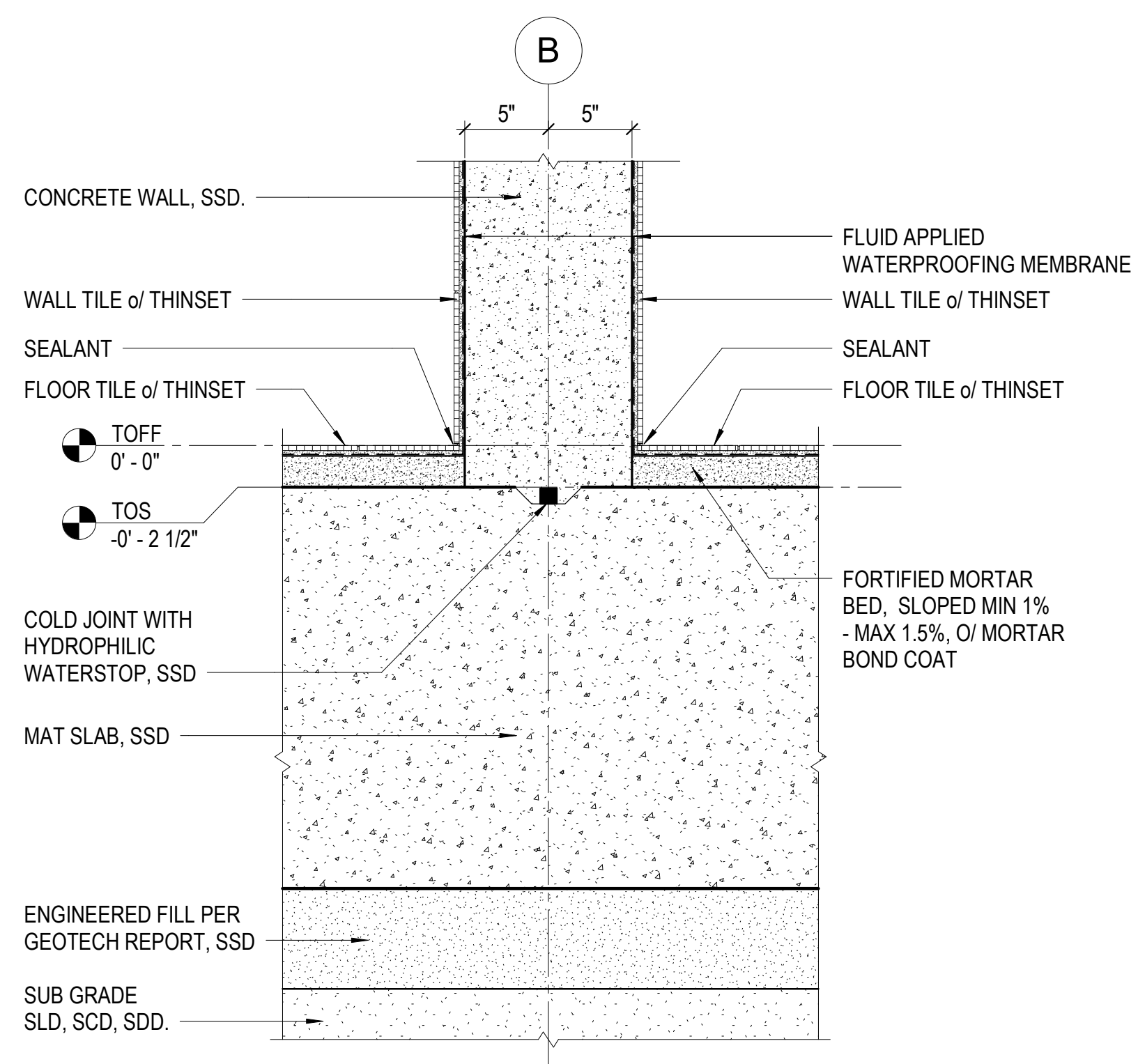
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Project	Ocean Beach Restroom	Plan No.	A8.10
2801 Great Highway San Francisco, CA 94132		Project No.	1902
Drawing Title	FOUNDATION DETAILS	Drawing/File No	Revision No
Contract No	Elevation Datum	Scale:	1 1/2" = 1'-0"

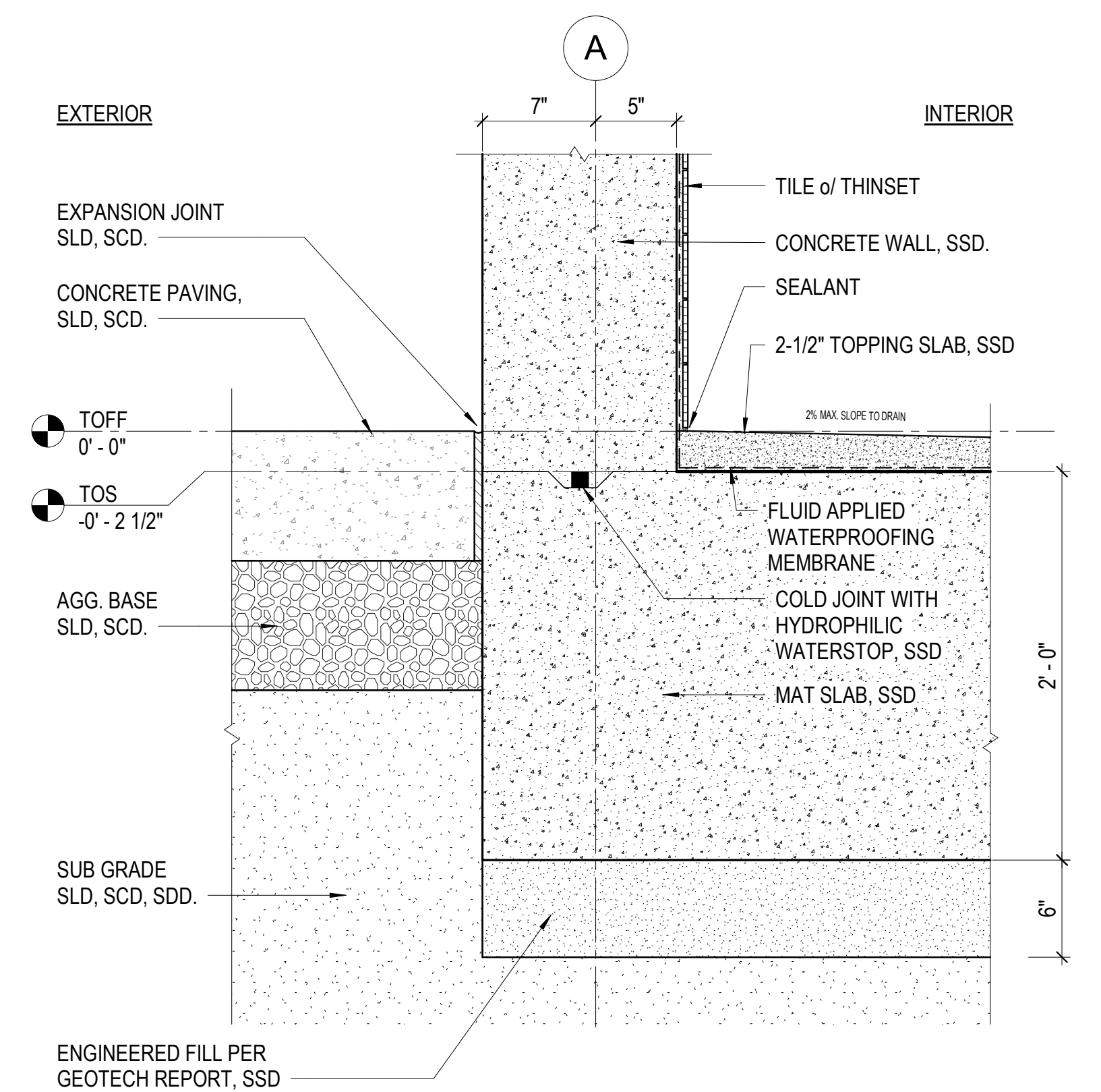




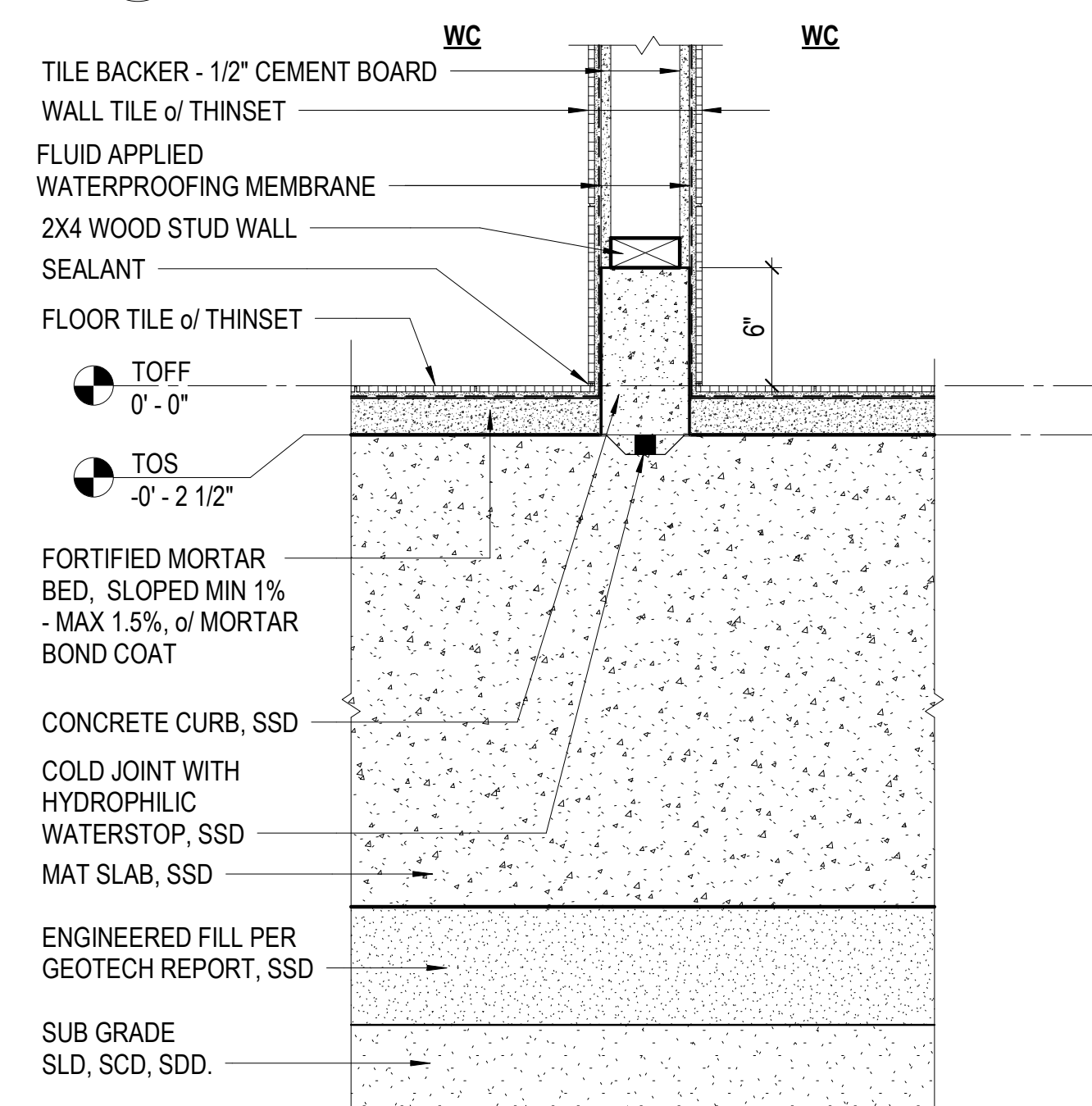
7 EXTERIOR WALL BASE @ COL. LINE D  
1 1/2" = 1'-0"



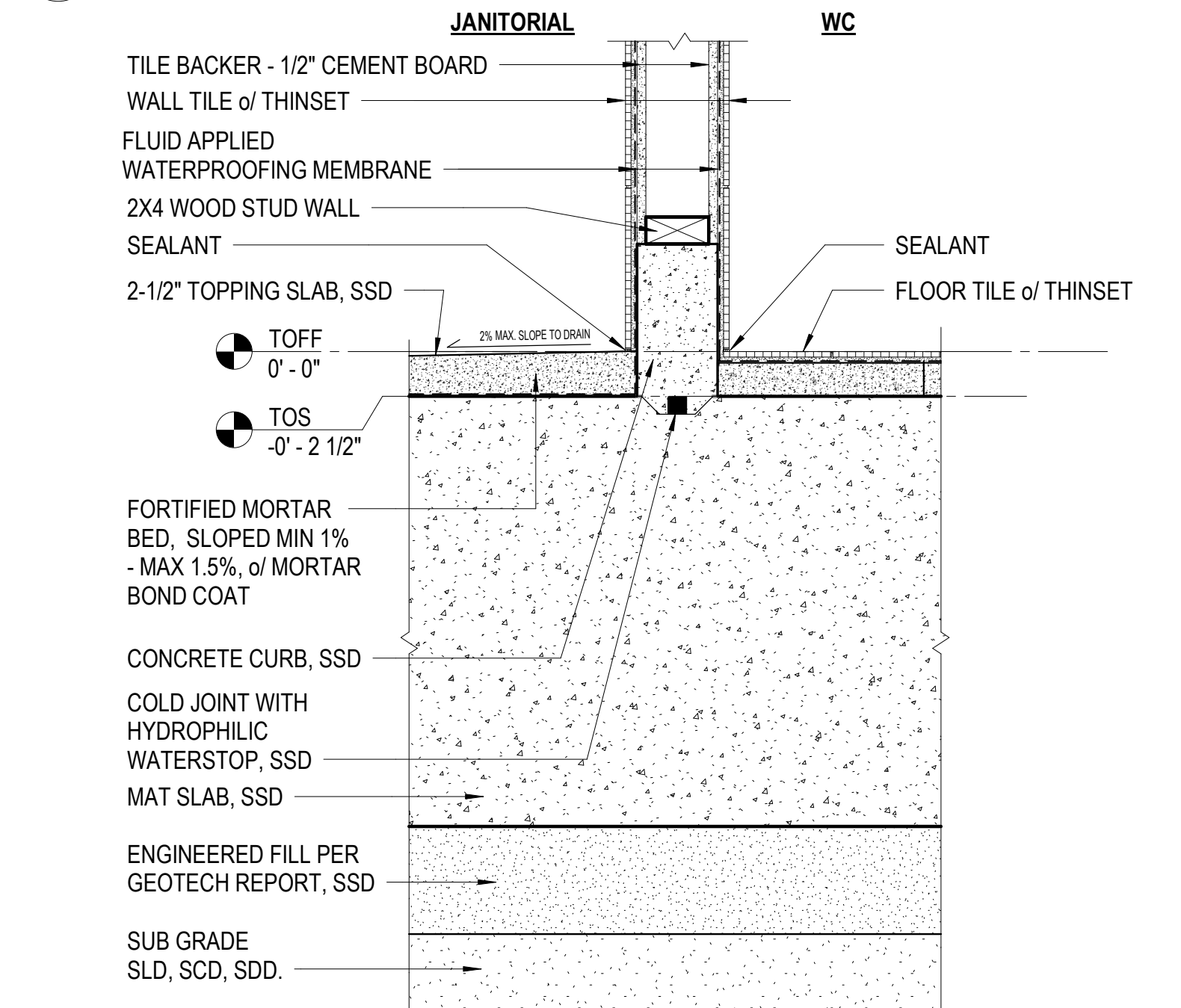
3 INTERIOR WALL BASE @ COL. LINE B  
1 1/2" = 1'-0"



1 EXTERIOR WALL BASE @ COL. LINE A  
1 1/2" = 1'-0"



4 INTERIOR WALL BASE @ WC  
1 1/2" = 1'-0"



2 INTERIOR WALL BASE @ JANITORIAL  
1 1/2" = 1'-0"

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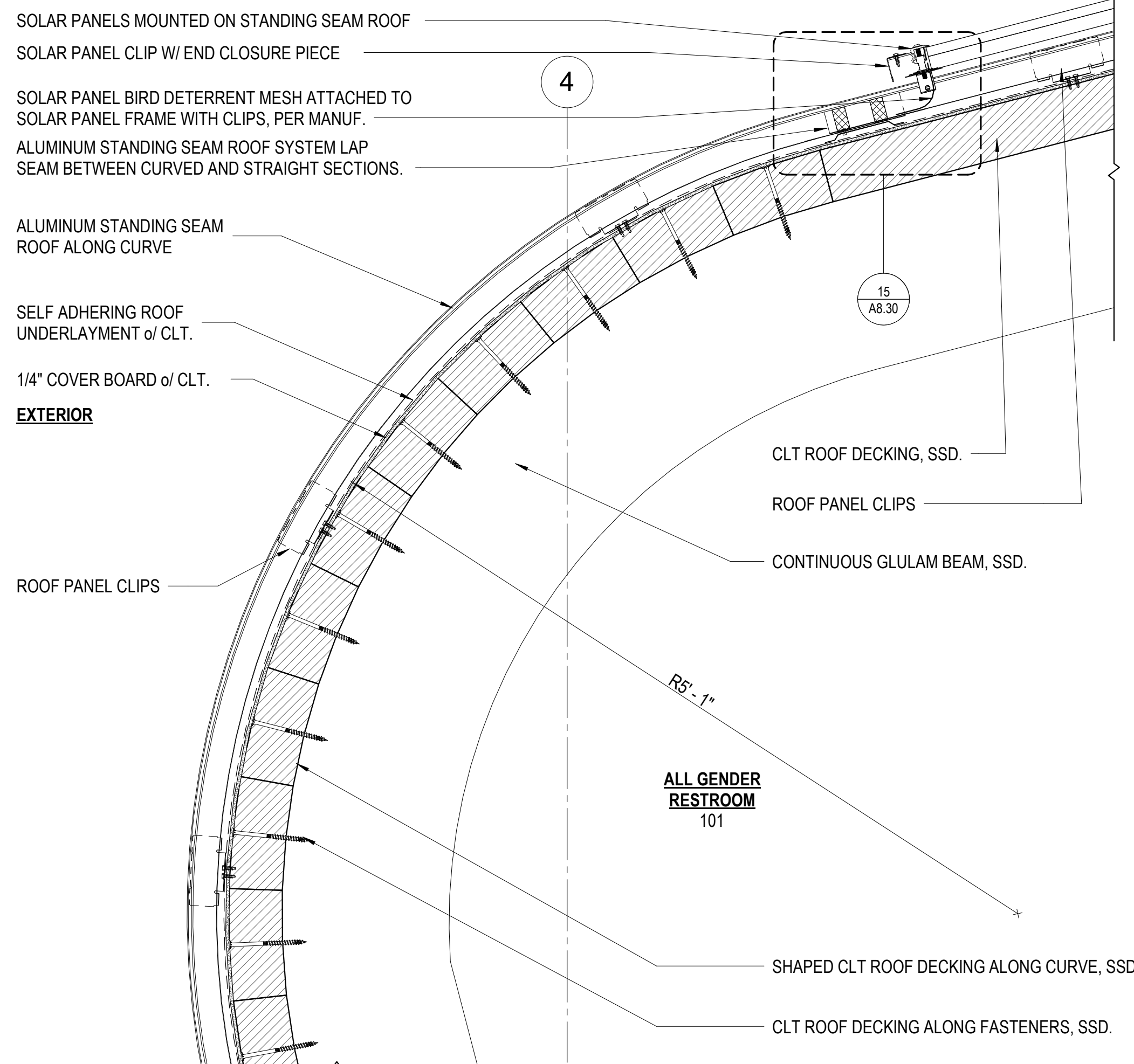
Proj. Mgr. \_\_\_\_\_ MS  
Proj. Arch. \_\_\_\_\_ PDF  
Drawn \_\_\_\_\_ Author  
Checked by \_\_\_\_\_ Checker

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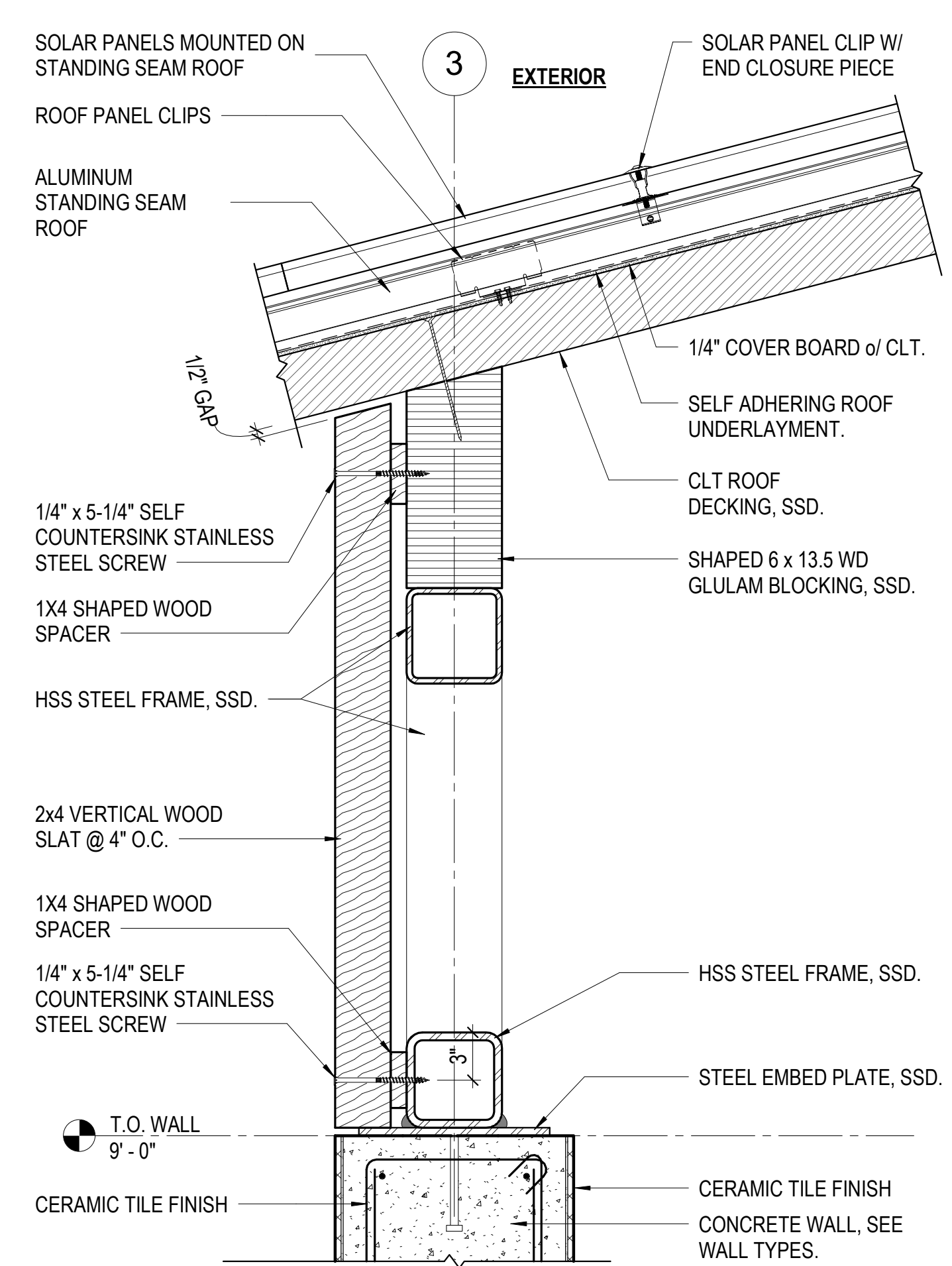
No.	Date	Revisions

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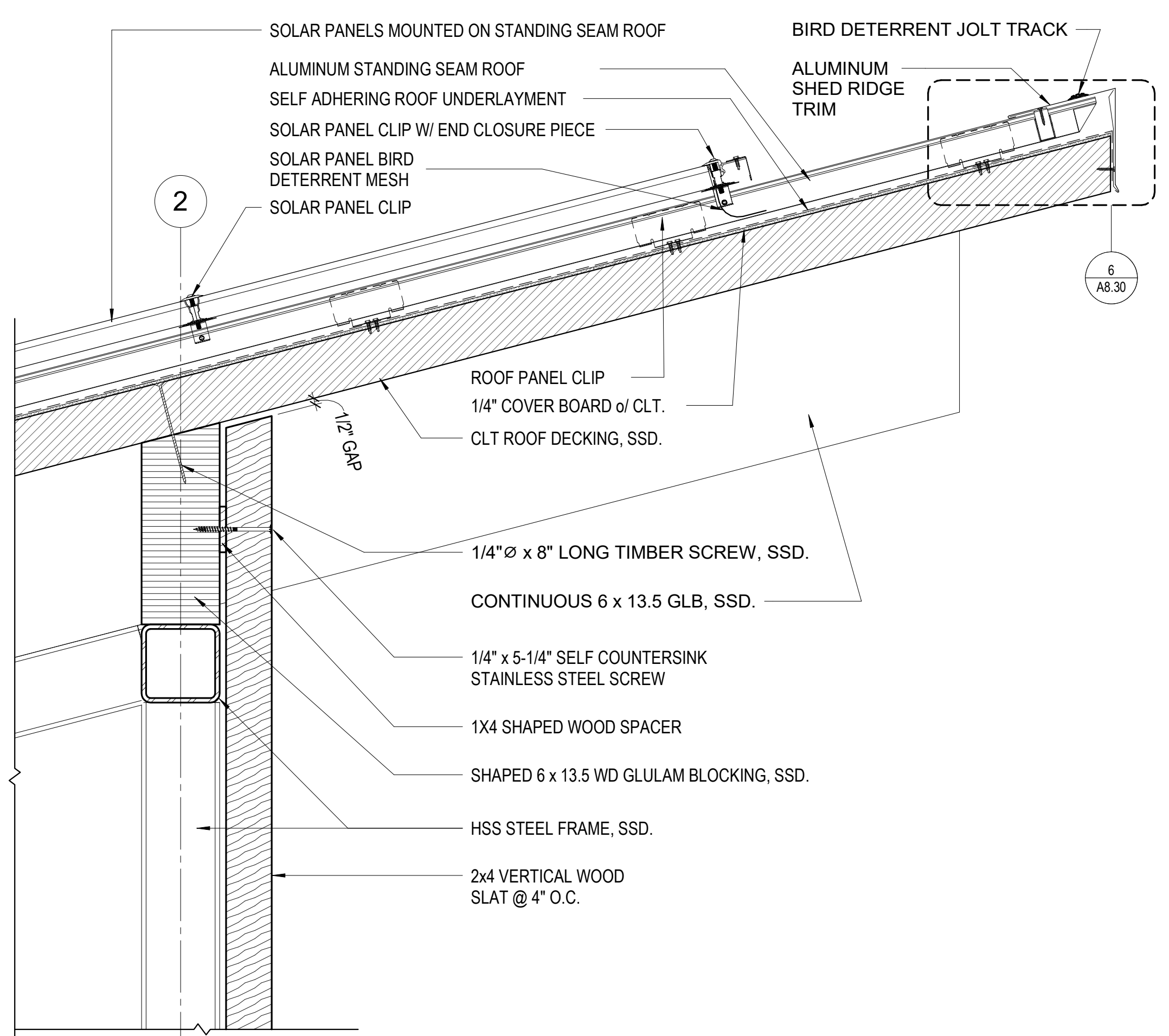
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	Drawing Title <b>FOUNDATION DETAILS</b>	Project No. <b>1902</b>
Contract No.	Drawing/File No	Revision No
Elevation Datum	Scale: 1 1/2" = 1'-0"	



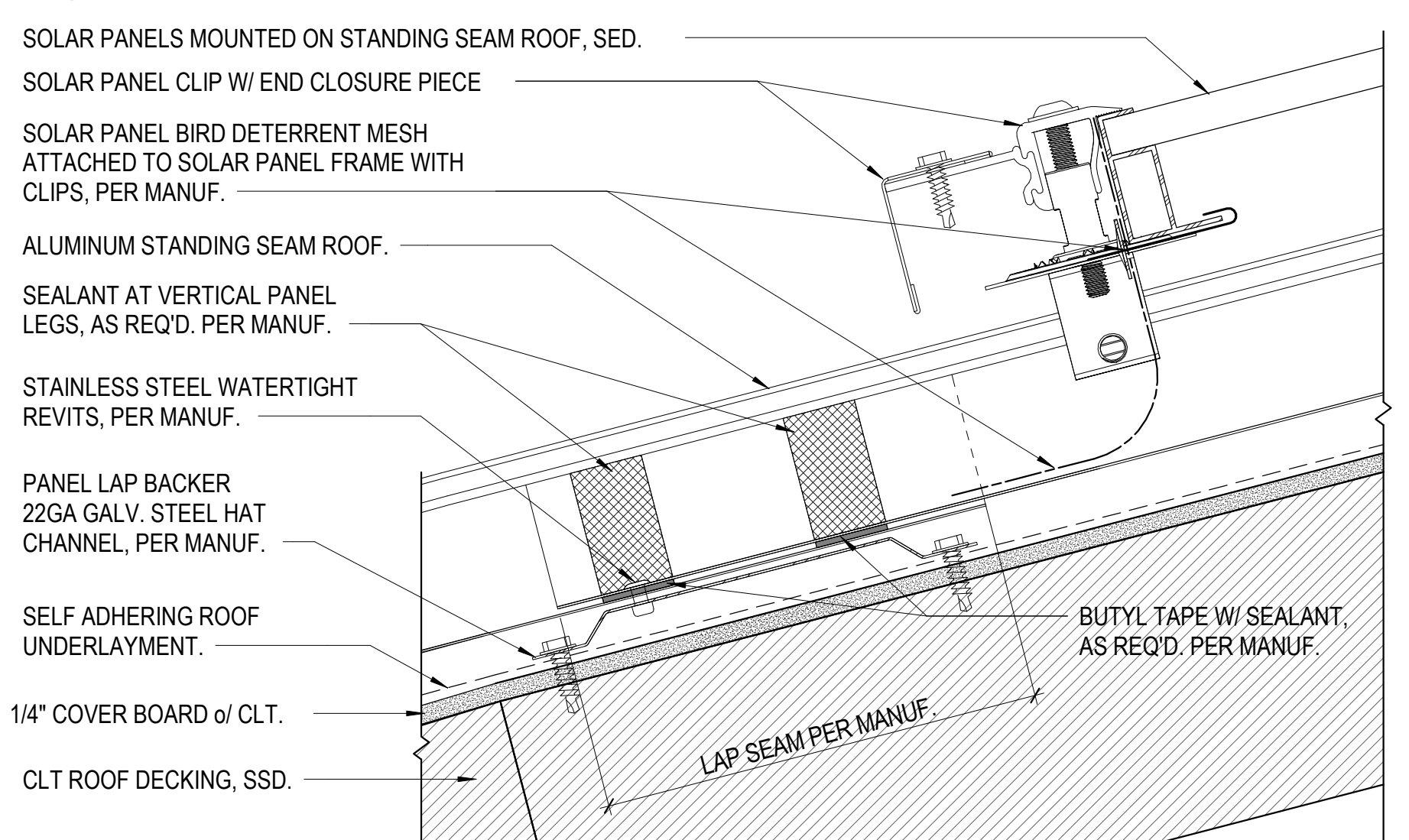
14 CURVED ROOF KNUCKLE DETAIL  
1 1/2" = 1'-0"



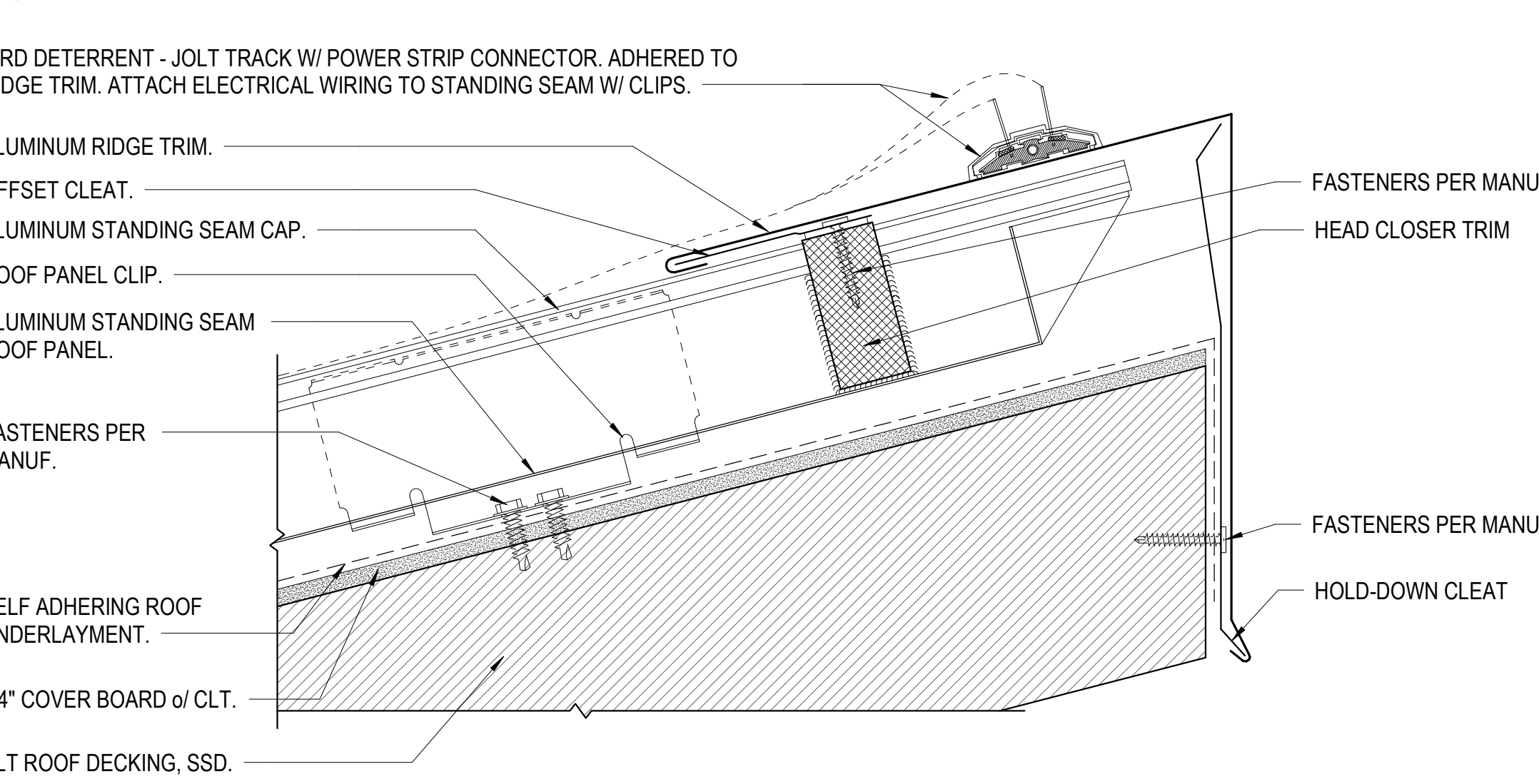
8 CLESTORY DETAIL @ COL. LINE 3  
1 1/2" = 1'-0"



5 CLERESTORY/ ROOF SHED RIDGE DETAIL @ COL. LINE 2  
1 1/2" = 1'-0"



15 ROOF PANEL LAP SEAM  
6" = 1'-0"



6 ROOF FIXED SHED RIDGE DETAIL  
6" = 1'-0"

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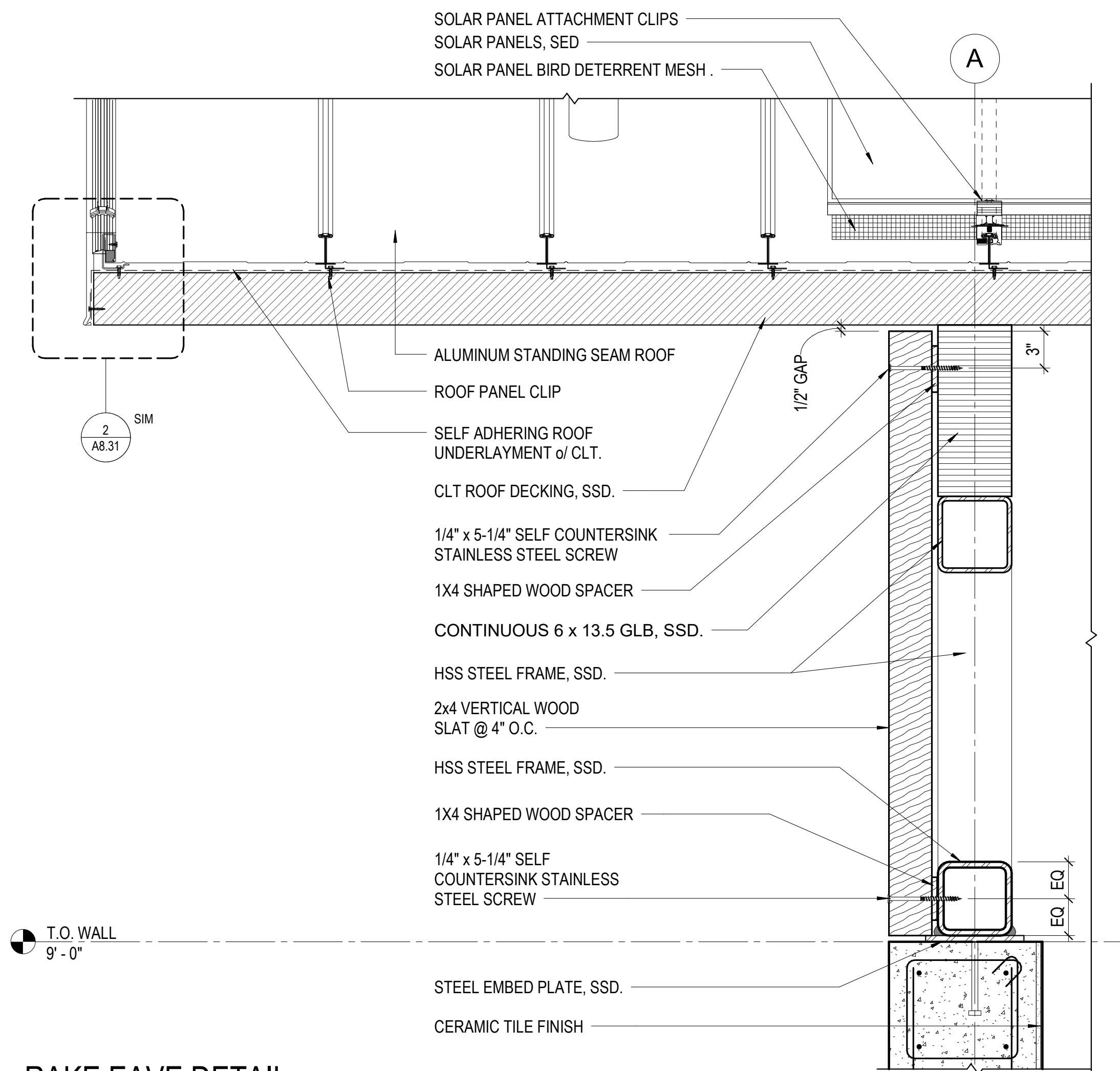
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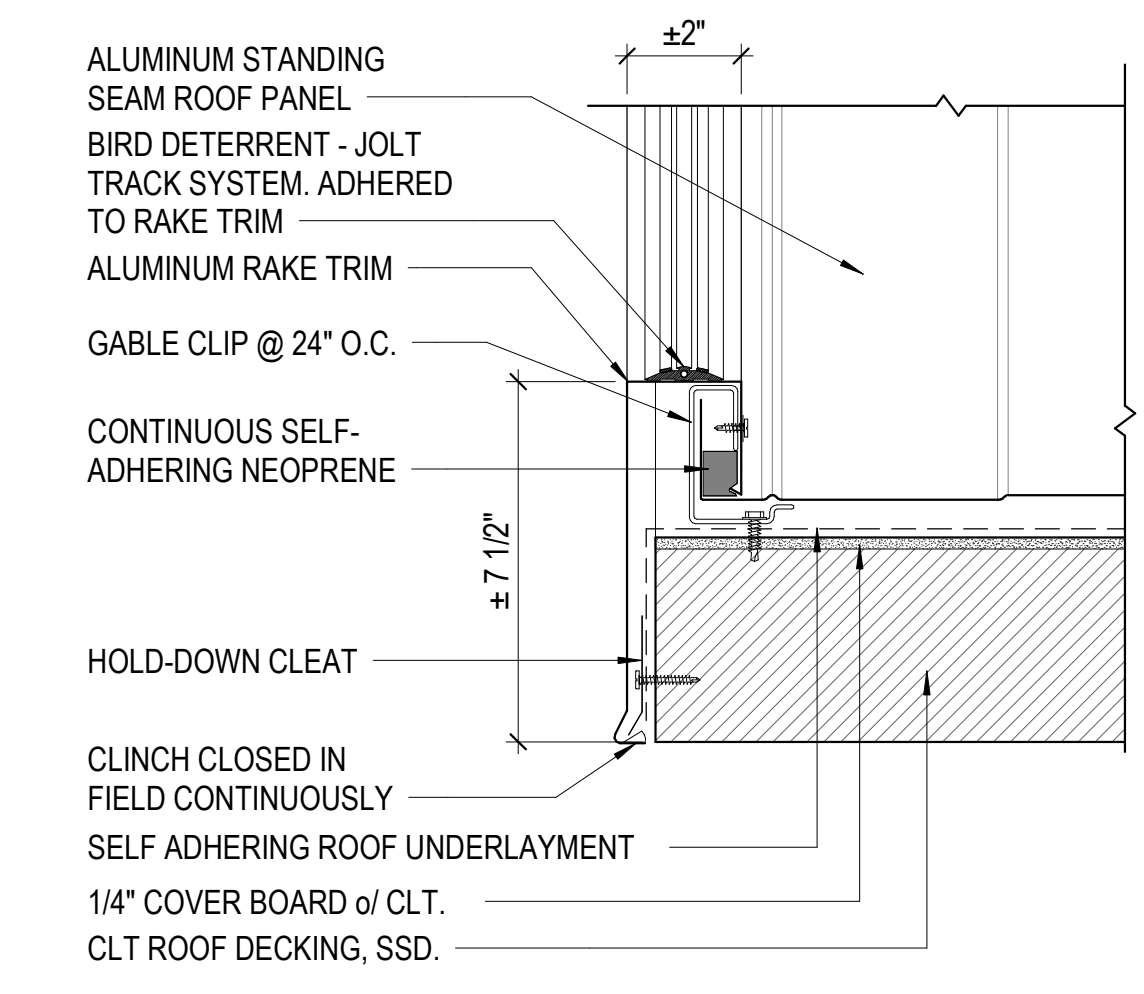
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Project	Ocean Beach Restroom	Plan No.	A8.30
	2801 Great Highway San Francisco, CA 94132	Project No.	1902
Contract No.		Drawing Title	ROOFING DETAILS
Elevation Datum		Drawing/File No	Revision No
			Scale: As indicated




**1 RAKE EAVE DETAIL**  
1 1/2" = 1'-0"



**2 ROOF RAKE EDGE DETAIL**  
3" = 1'-0"

  
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Contract No.	Drawing Title <b>ROOFING DETAILS</b>		Project No. <b>1902</b>
Elevation Datum	Drawing/File No	Revision No	Scale: As indicated



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Project \_\_\_\_\_

Ocean Beach Restroom

2801 Great Highway  
 San Francisco, CA 94132

Consultant \_\_\_\_\_

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Drawing Title \_\_\_\_\_

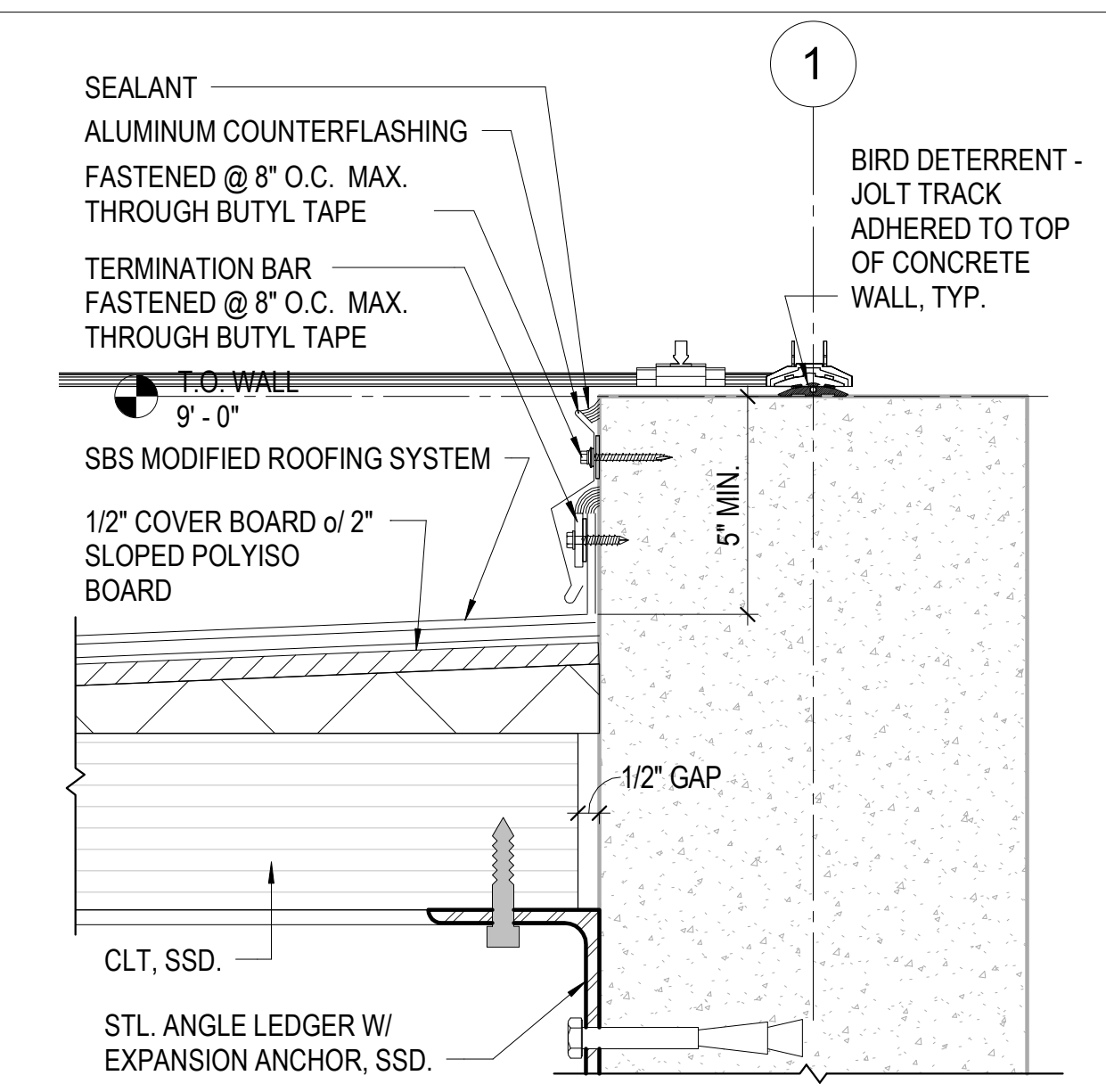
LOWER ROOF DETAILS

Sheet No. \_\_\_\_\_

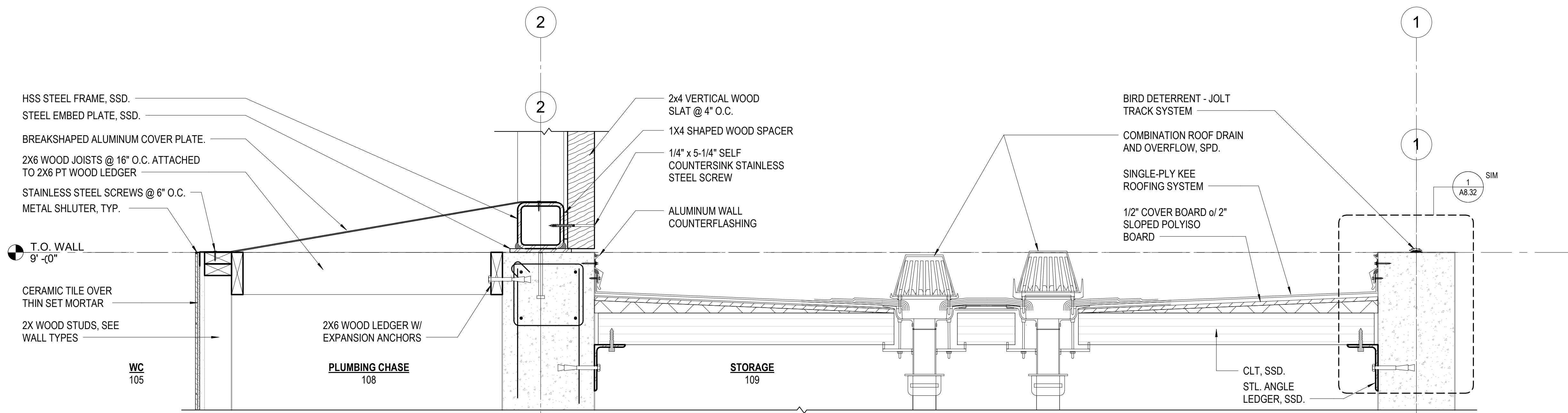
A8.32

Scale: As indicated

Project No. \_\_\_\_\_ 1902

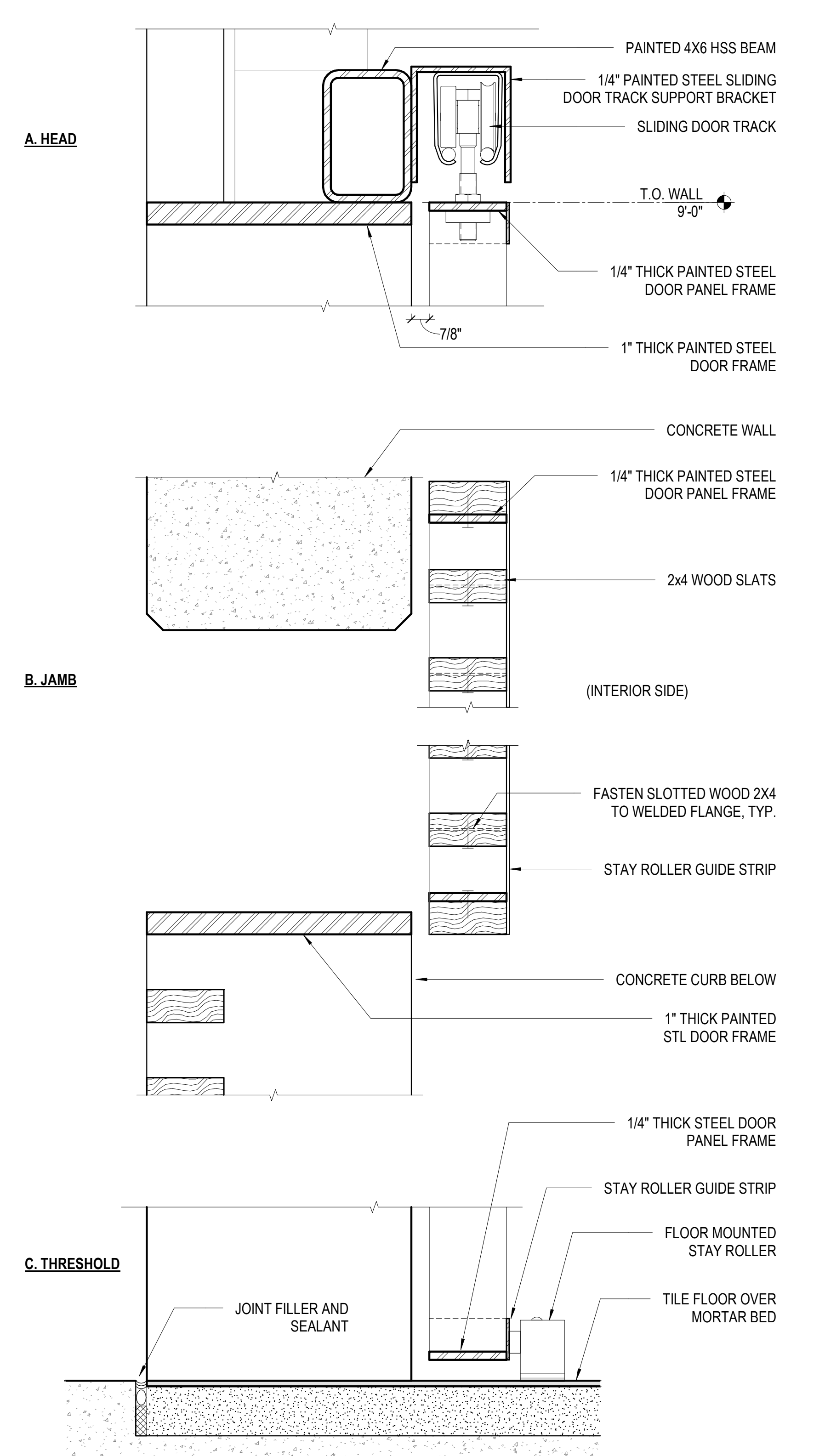
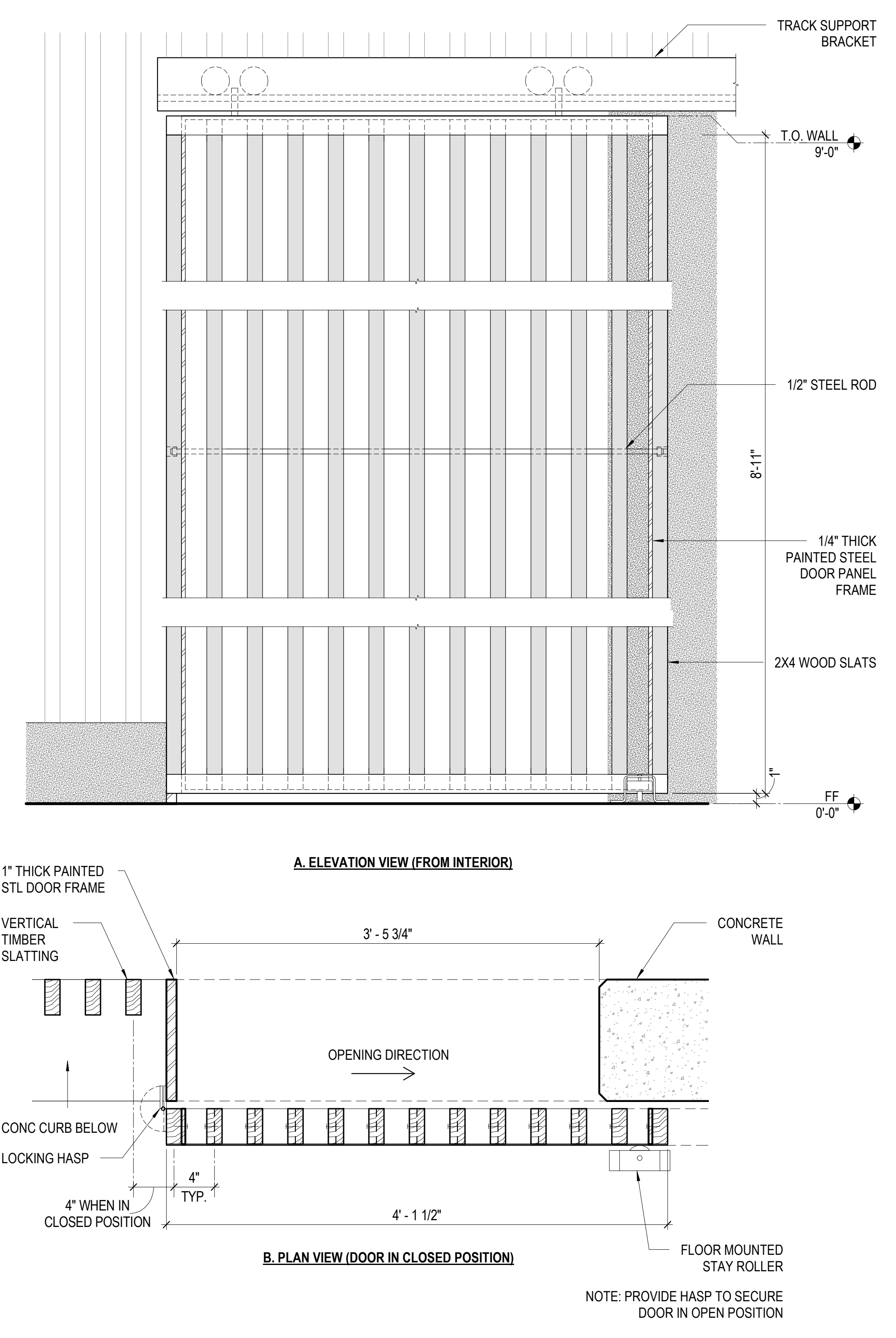
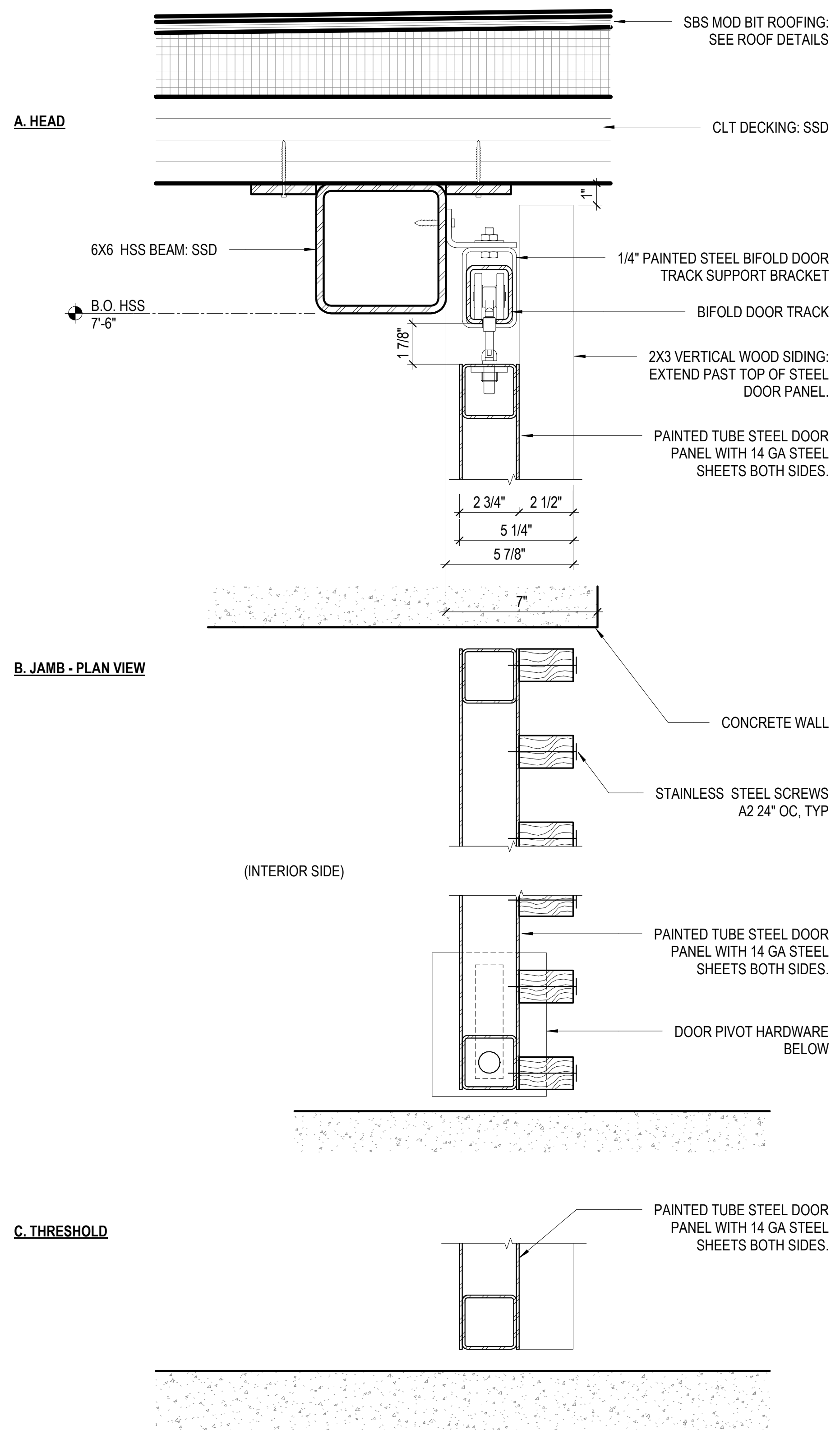


**1** DET\_RF\_LOWER ROOF PARAPET  
 3" = 1'-0"



**2** DET\_RF\_TOP OF WALL @ COL. LINE 2  
 1 1/2" = 1'-0"

C:\Users\jlaue\Documents\1902\_Ocean Beach Restroom\_R20\_ralga.rvt  
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**3 BIFOLD DOOR DETAILS**  
3" = 1'-0"

**2 SLIDING DOOR PLAN & ELEVATION**  
1 1/2" = 1'-0"

**1 SLIDING DOOR DETAILS**  
3" = 1'-0"

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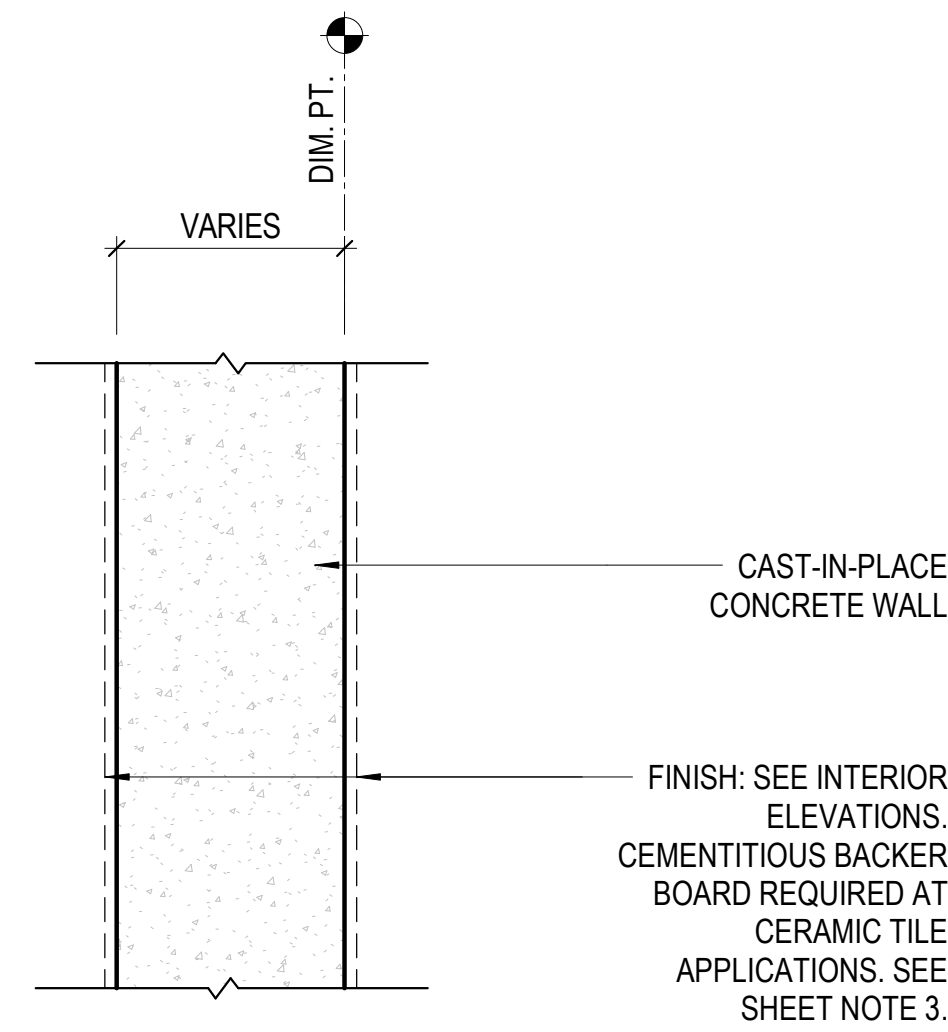
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	2801 Great Highway San Francisco, CA 94132	Project No. <b>1902</b>
	Drawing Title <b>EXTERIOR DOOR DETAILS</b>	Scale: As indicated
Contract No.	Drawing/File No.	Revision No.
Elevation Datum		

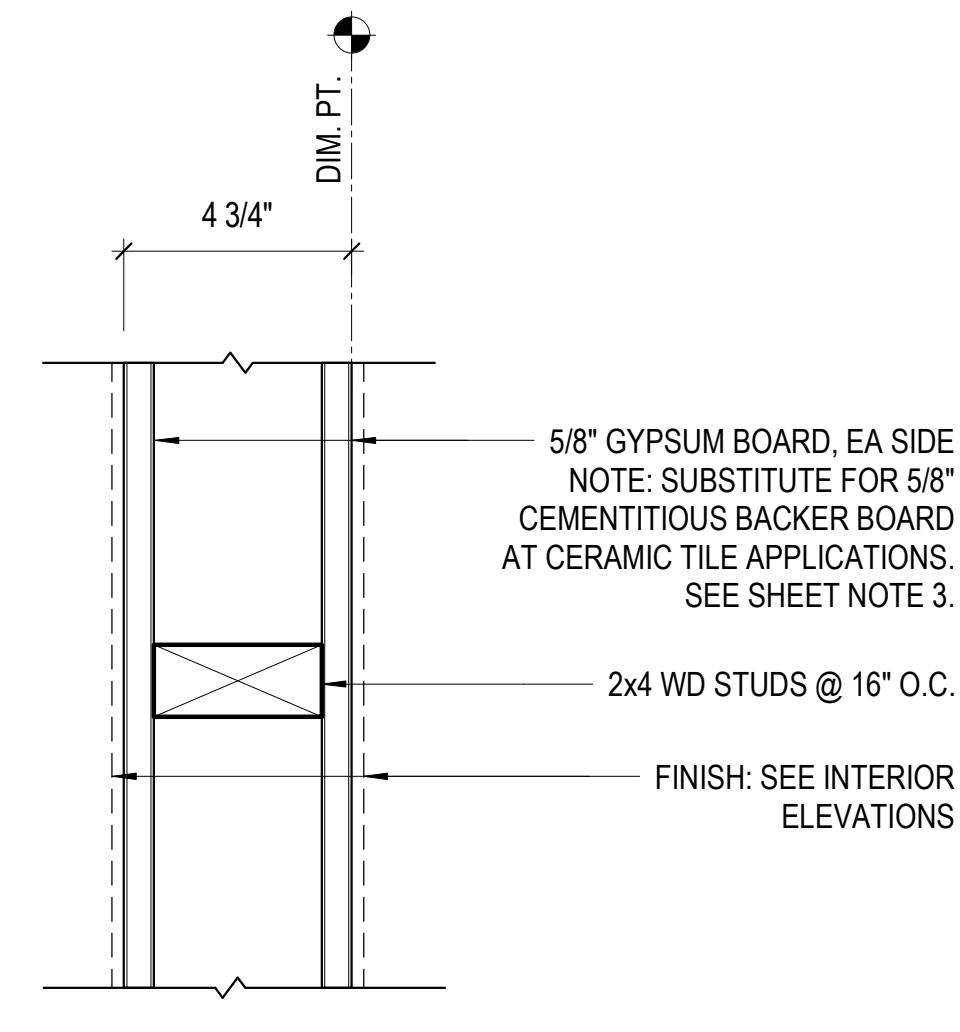
**SHEET NOTES**

- REFER TO SPECIFICATIONS FOR STUD MATERIALS. MAXIMUM STUD SPACING TO BE 16" ON-CENTER U.O.N. LIMITING HEIGHT BASED UPON 5 PSF LATERAL LOADING AND L/240 DEFLECTION. DEFLECTION LIMITED TO L/360 FOR CERAMIC TILE FINISH. VERIFY LIMITING HEIGHT AND DEFLECTION WITH STRUCTURAL ENGINEER AND STUD MANUFACTURER'S RECOMMENDATIONS.
- PROVIDE MIN 2x8 SOLID WD BLOCKING OR MIN 16 METAL BACKING AT STUDS. FOR SUPPORT OF GRAB BARS, HANDRAILS, CASEWORK, SHELVING, WALL-MOUNTED FIXTURES OR EQUIPMENT, ACCESSORIES, OR MIRRORS. SEE DETAIL.
- AT AREAS EXPOSED TO WET OR HUMID CONDITIONS THAT RECEIVE CERAMIC TILE, WATER RESISTANT WALL PANELS, OR HIGH PERFORMANCE COATINGS, SUBSTITUTE (1) LAYER TILE BACKER BOARD FOR OUTER LAYER OF GYPSUM BOARD. CEMENT BOARD TO RUN FULL-HEIGHT TO CEILING OR MATCH HEIGHT OF WATER RESISTANT FINISH.
- PROVIDE NON-HARDENING ACOUSTICAL SEALANT AT BASE, HEAD, PERIMETER AND PENETRATIONS OF ALL PARTITIONS. SEE DETAILS.



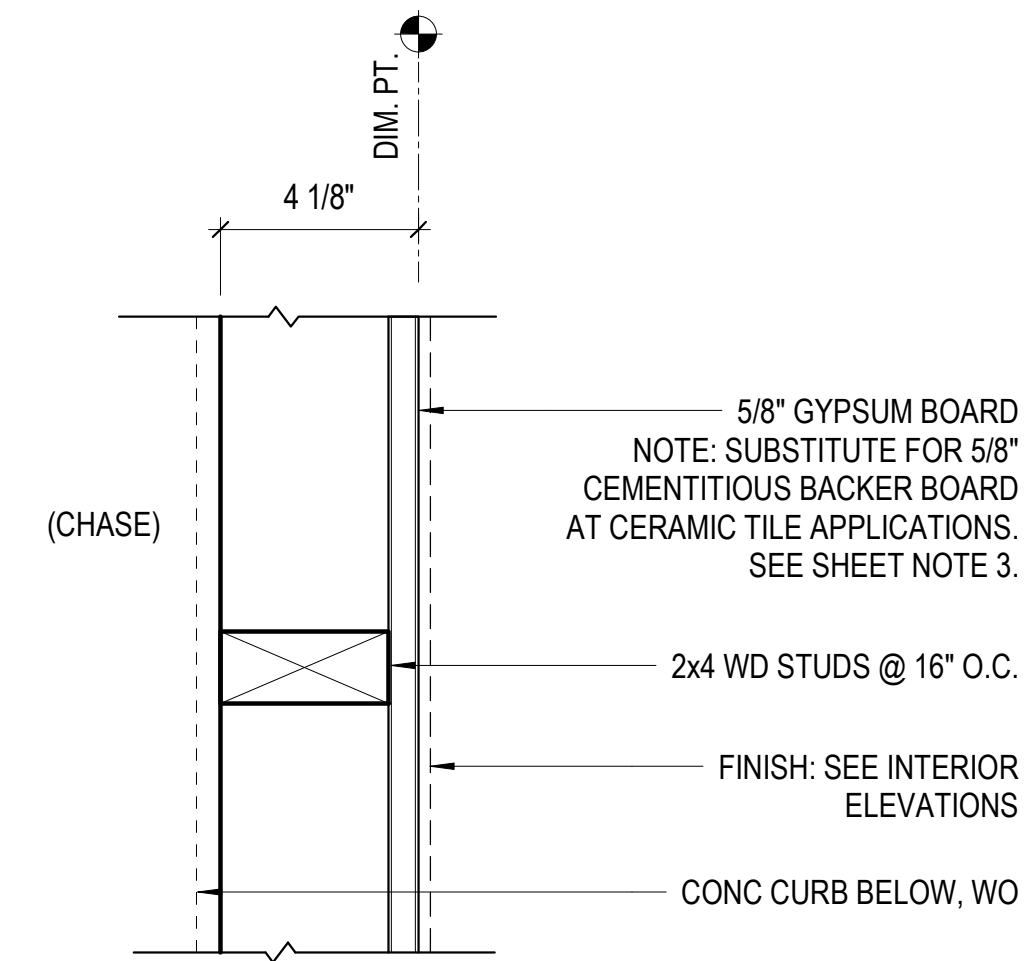
PLAN VIEW

**C** TYPICAL CONCRETE WALL  
3" = 1'-0"



PLAN VIEW

**A** TYPICAL PARTITION  
3" = 1'-0"



PLAN VIEW

**B** PARTITION @ PLUMBING CHASE  
3" = 1'-0"



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 WWE O&M Mgr. \_\_\_\_\_  
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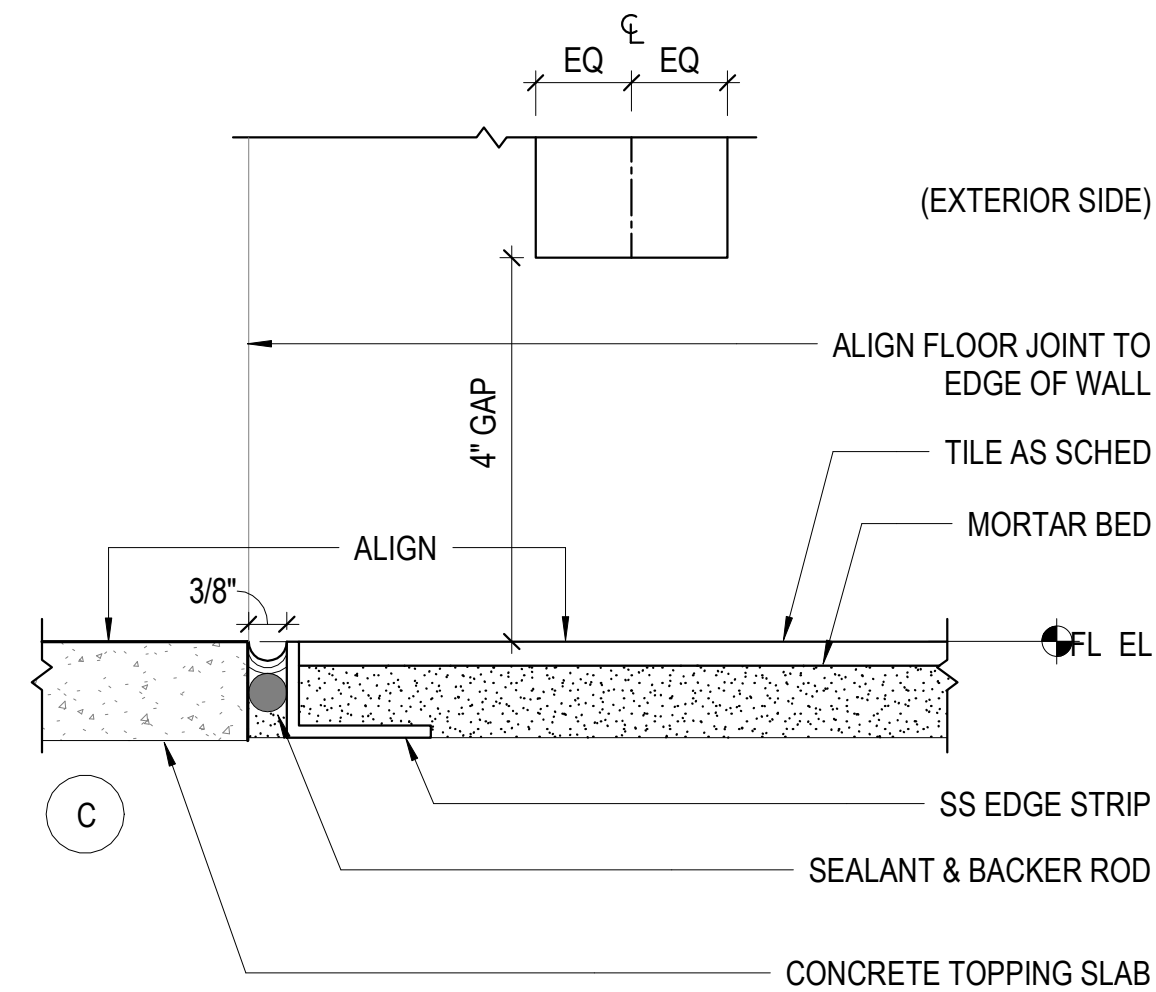
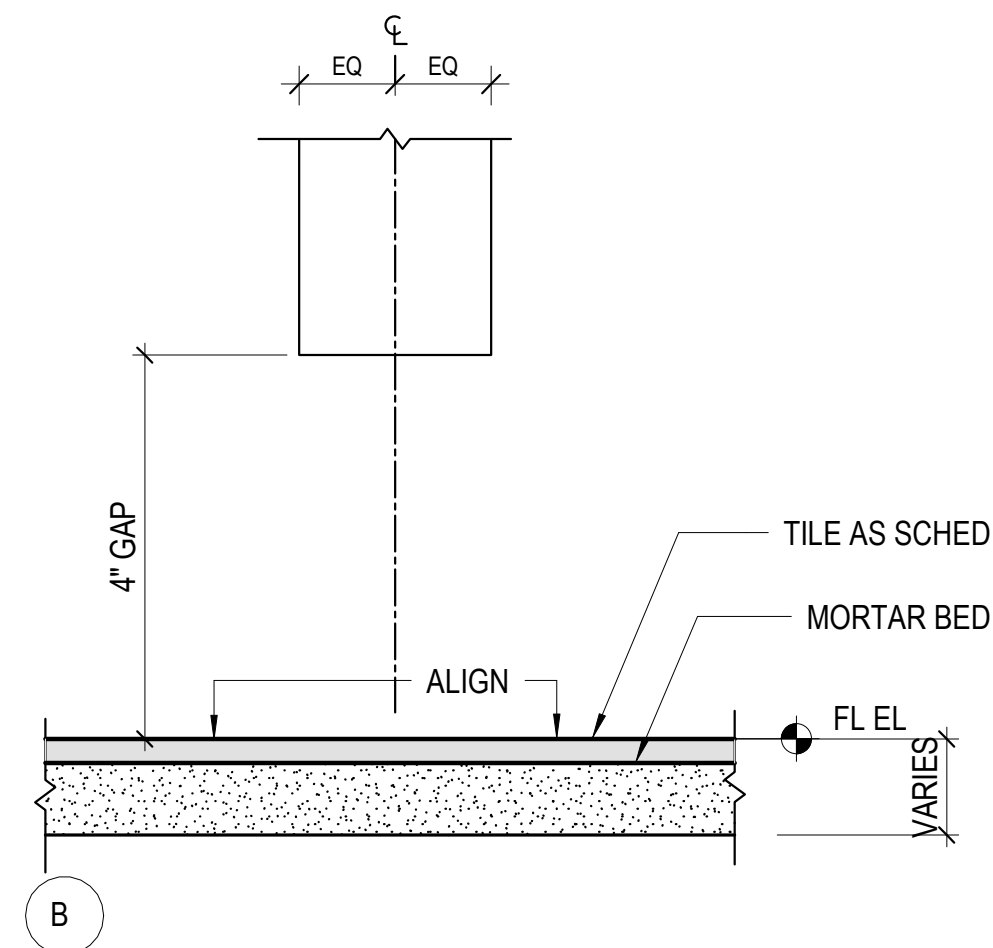
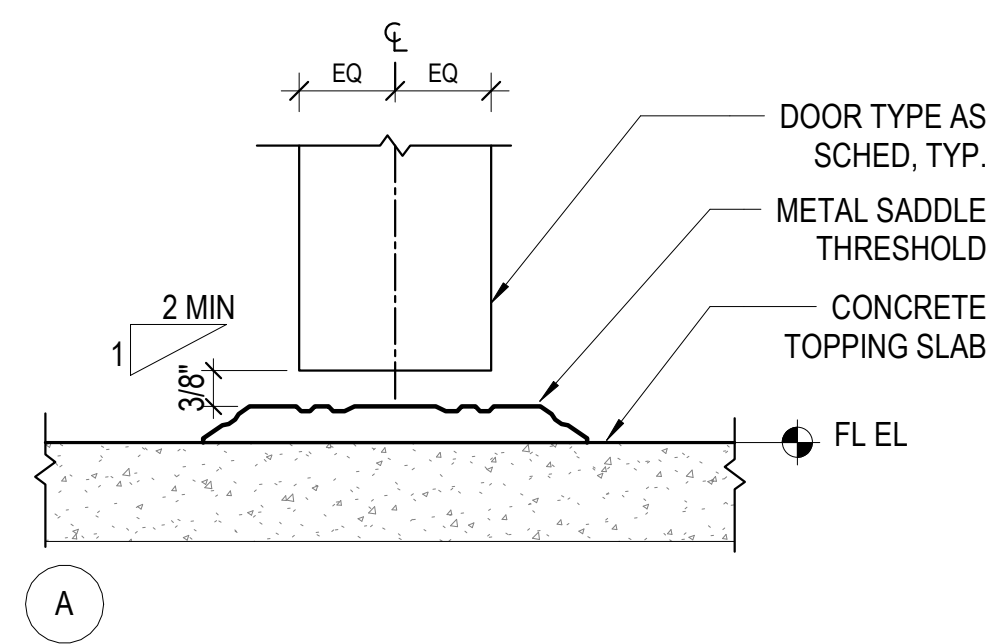
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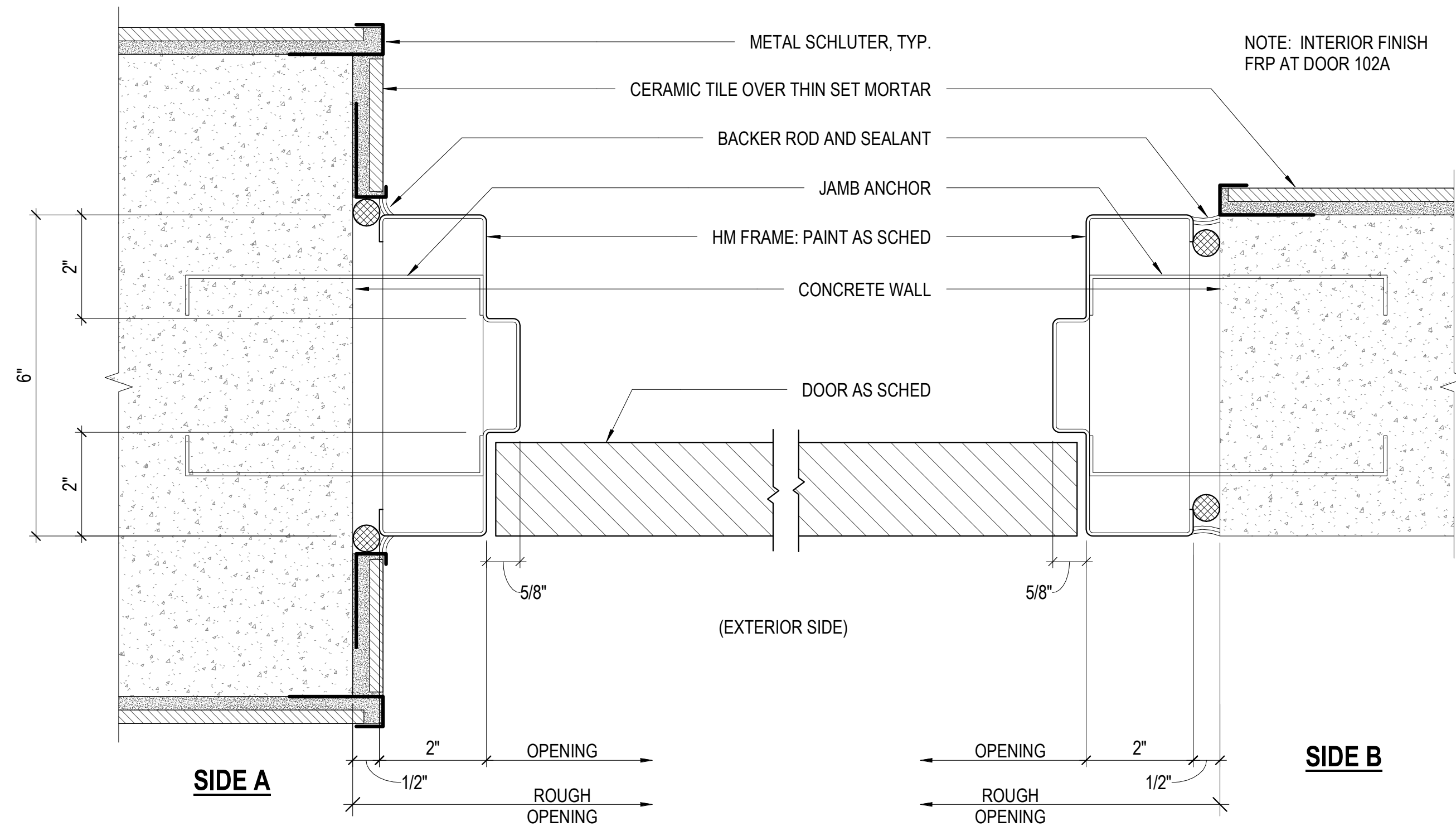
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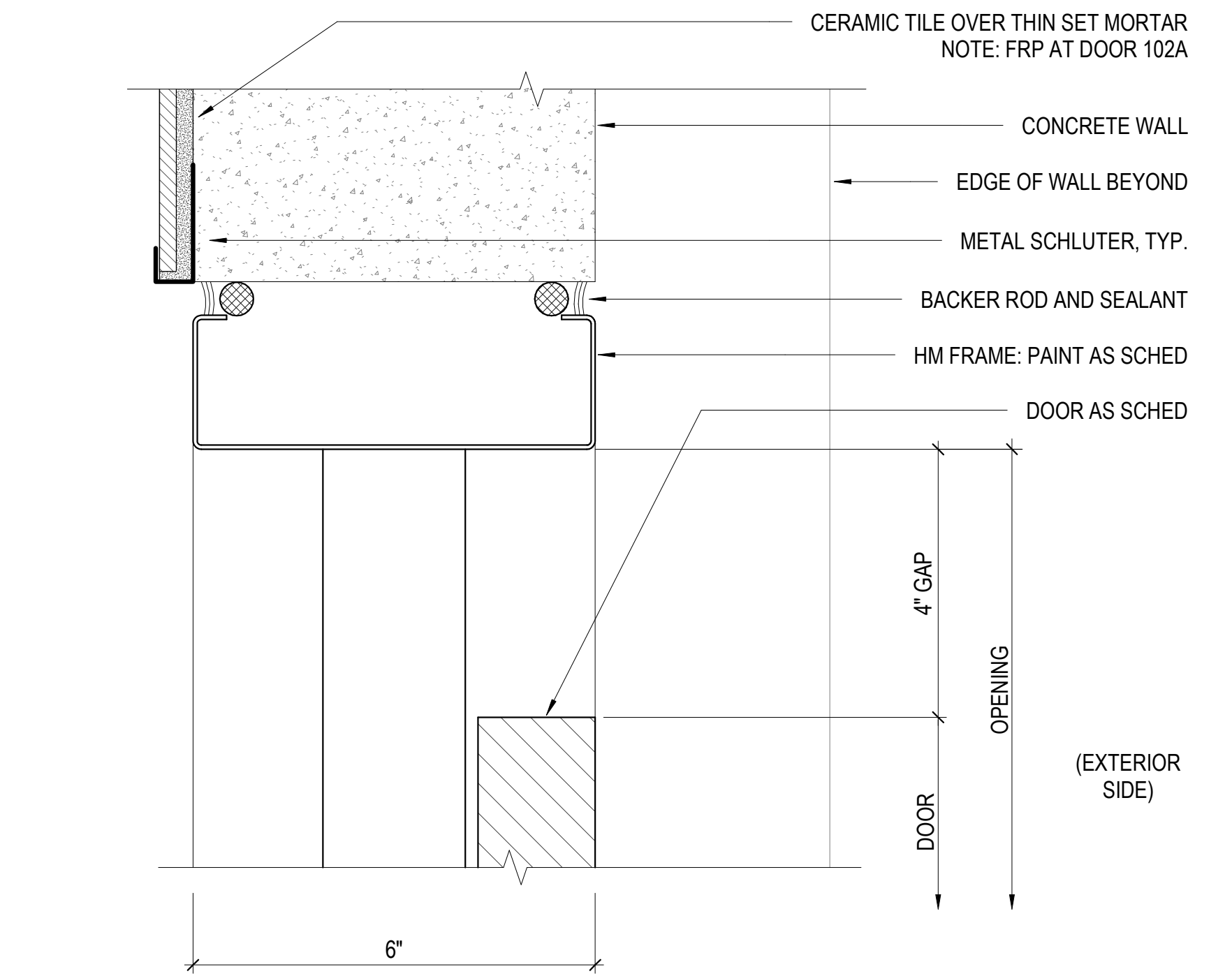
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	2801 Great Highway San Francisco, CA 94132	Project No.	1902
Contract No	Drawing Title	Drawing/File No	Revision No
	PARTITION TYPES AND DETAILS		Scale: As indicated
Elevation Datum			



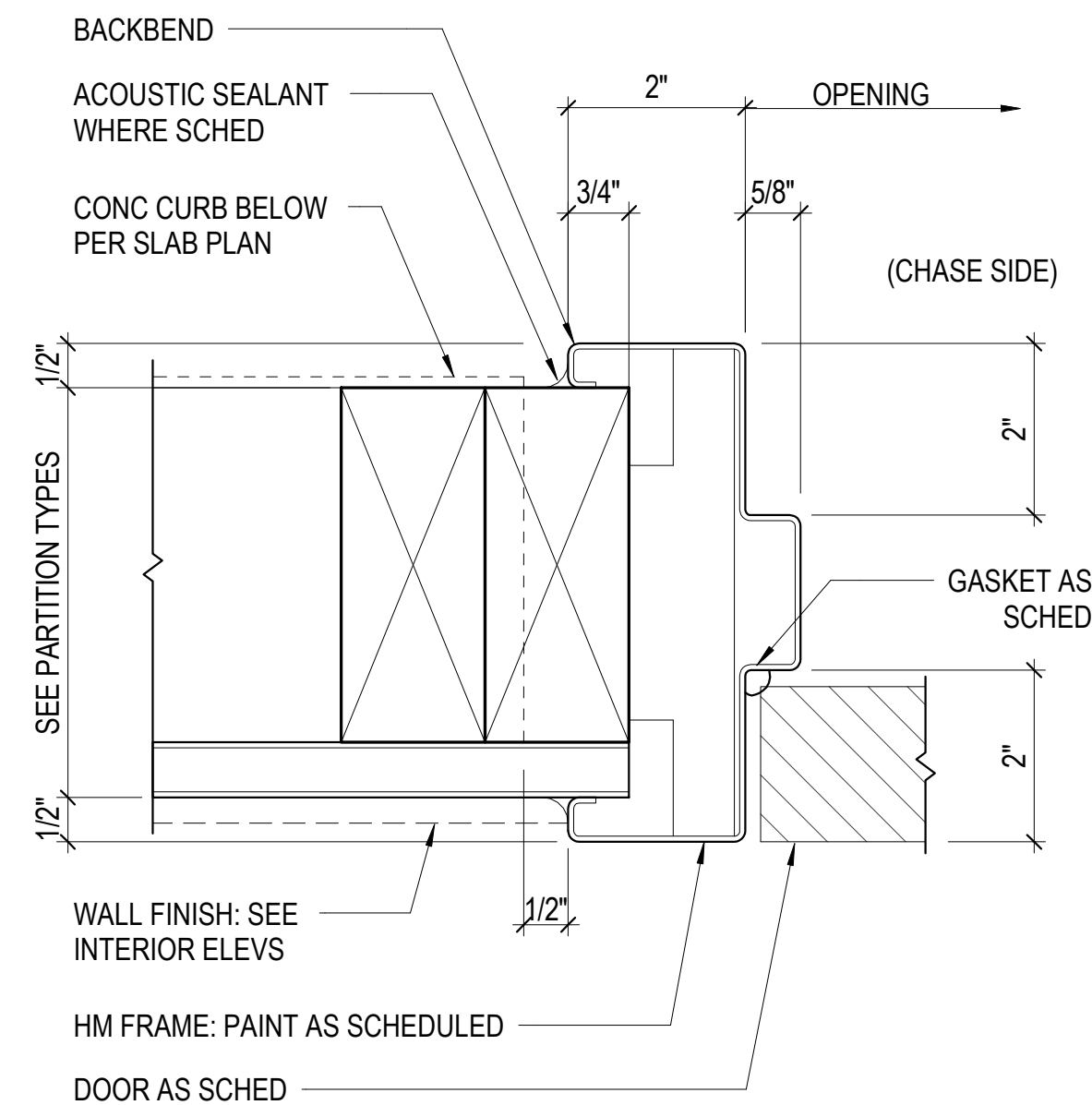
**6** THRESHOLD @ DOOR  
6" = 1'-0"



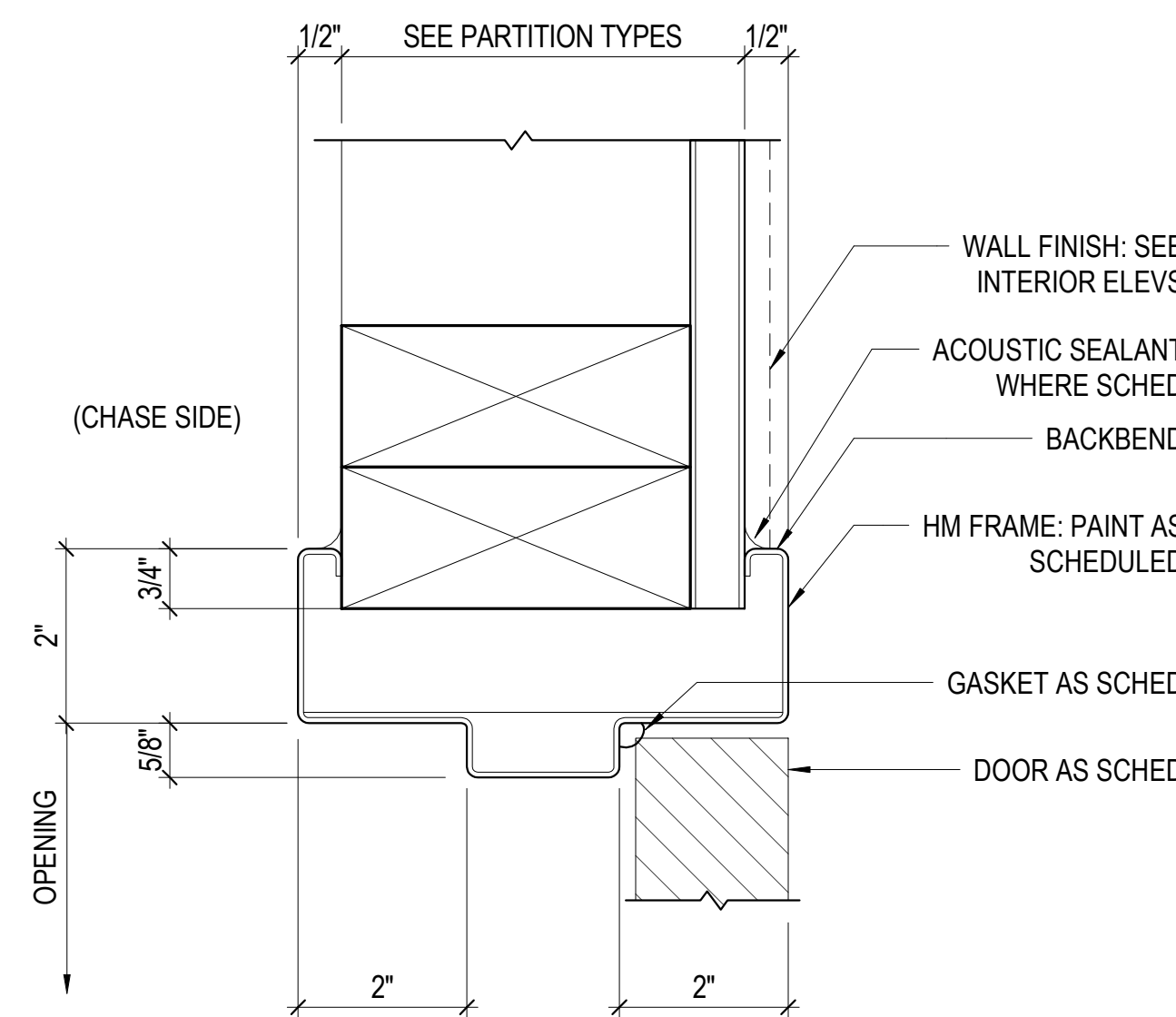
**3** HM DOOR FRAME @ WC | JAMB  
6" = 1'-0"



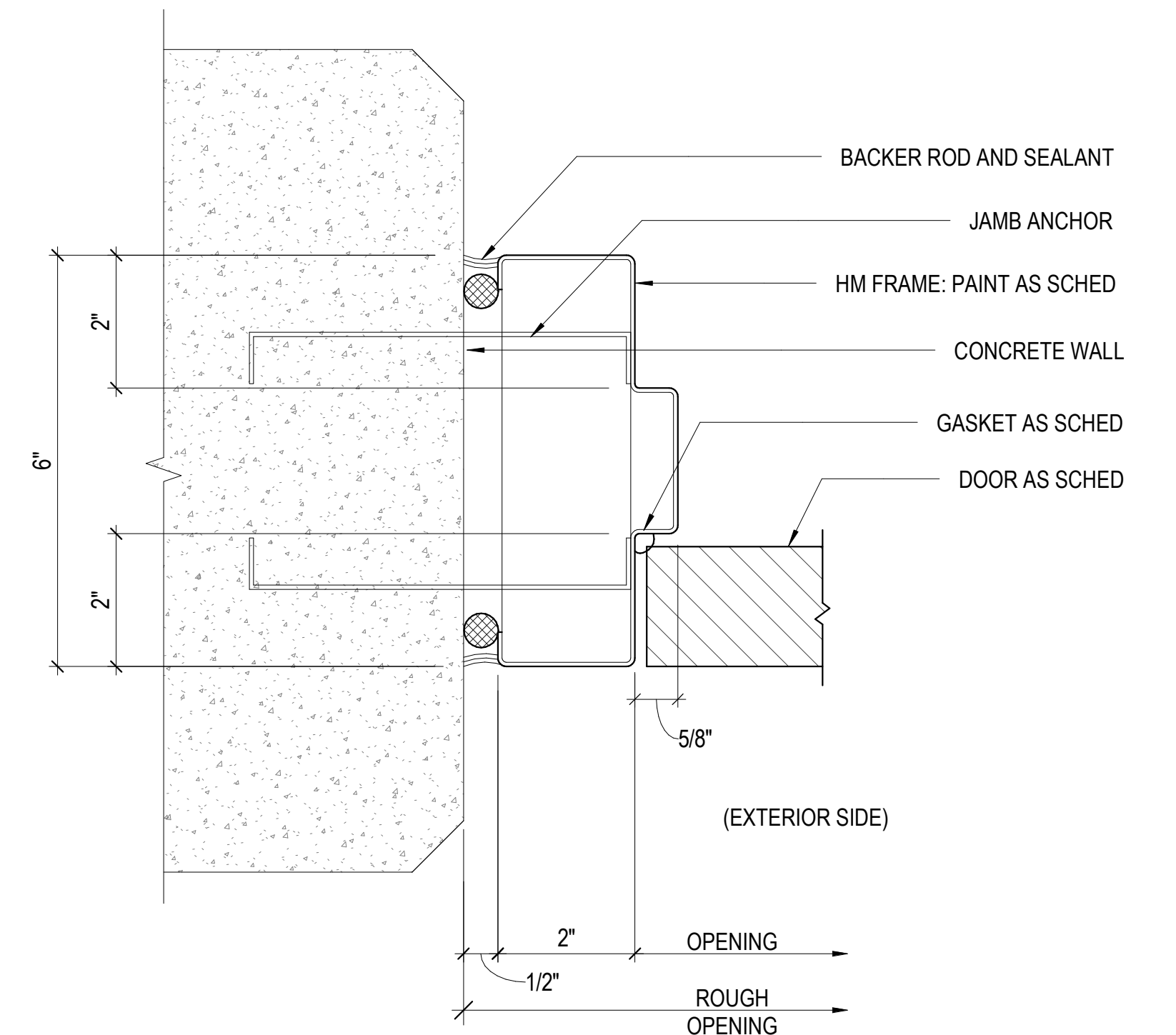
**1** HM DOOR FRAME @ WC | HEAD  
6" = 1'-0"



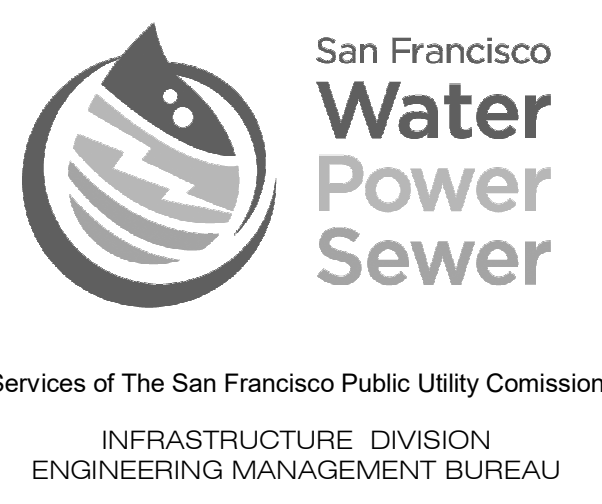
**5** HM DOOR FRAME @ CHASE | JAMB  
6" = 1'-0"



**4** HM DOOR FRAME @ CHASE | HEAD  
6" = 1'-0"



**2** HM DOOR FRAME @ CONC WALL | JAMB (HEAD SIM)  
6" = 1'-0"

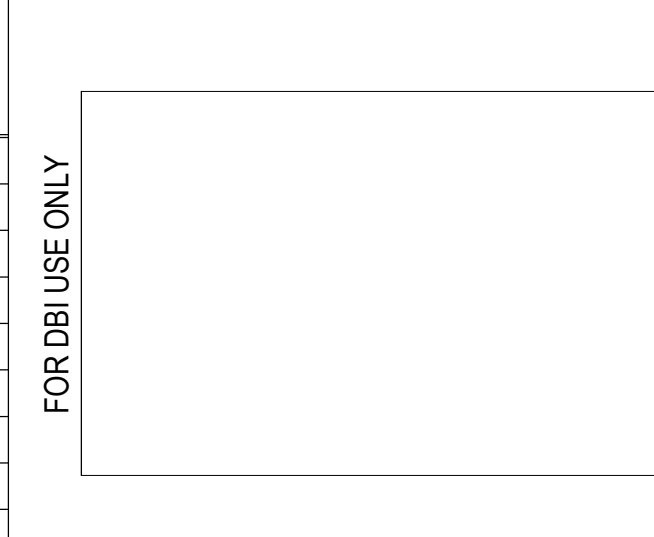


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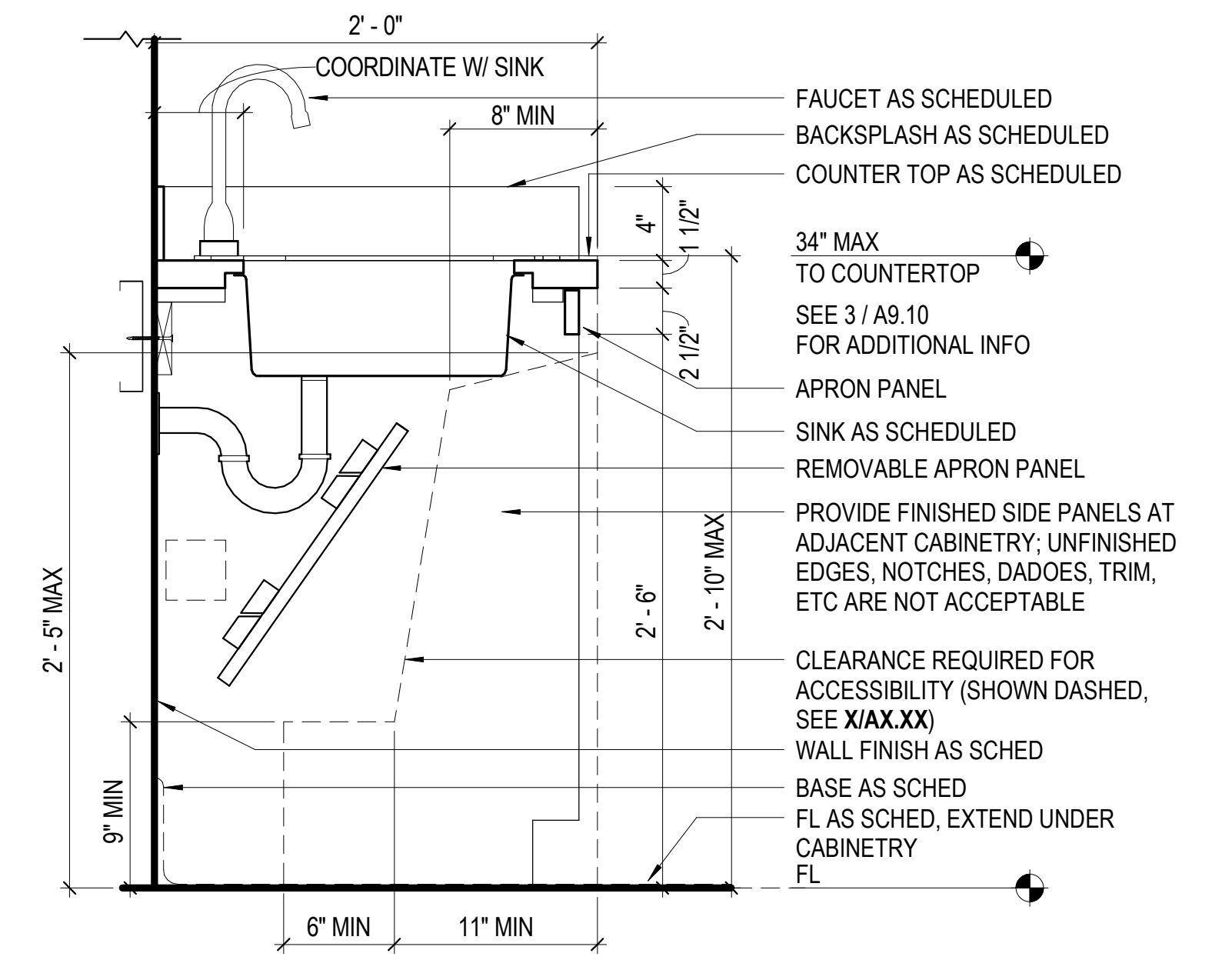
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2801 Great Highway San Francisco, CA 94132		Project No.	1902
Contract No.	Drawing Title	Drawing/File No	Revision No
Elevation Datum	INTERIOR DOOR DETAILS	Scale:	6" = 1'-0"



1 BASE CABINET - LAVATORY DETAIL  
1 1/2" = 1'-0"

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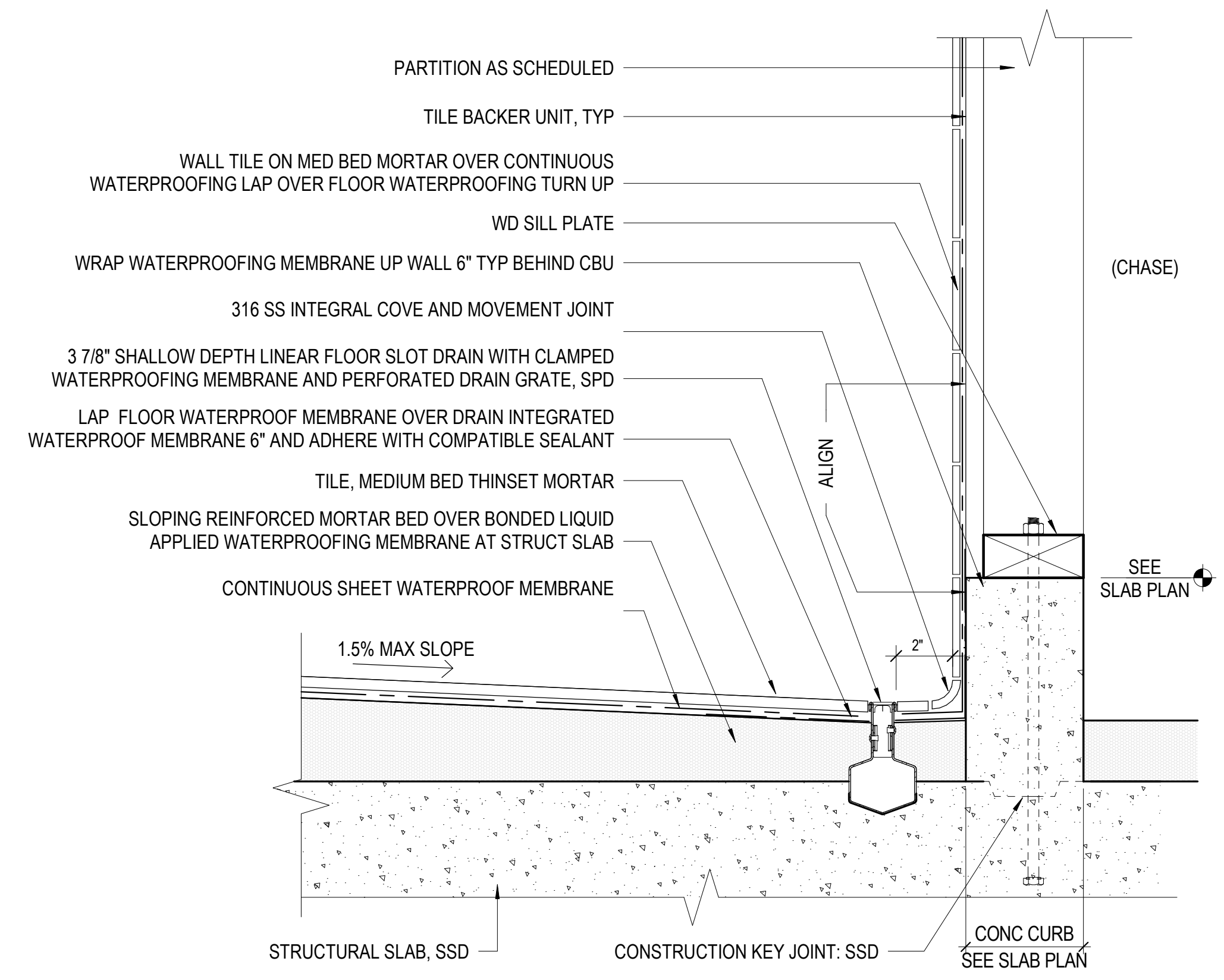
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Contract No.	Drawing Title <b>CASEWORK &amp; MILLWORK DETAILS</b>	Project No. <b>1902</b>	
Elevation Datum	Drawing/File No	Revision No	Scale: 1 1/2" = 1'-0"





1 SLOT DRAIN AT PLUMBING CHASE WALL  
3" = 1'-0"

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No.	Date	Revisions

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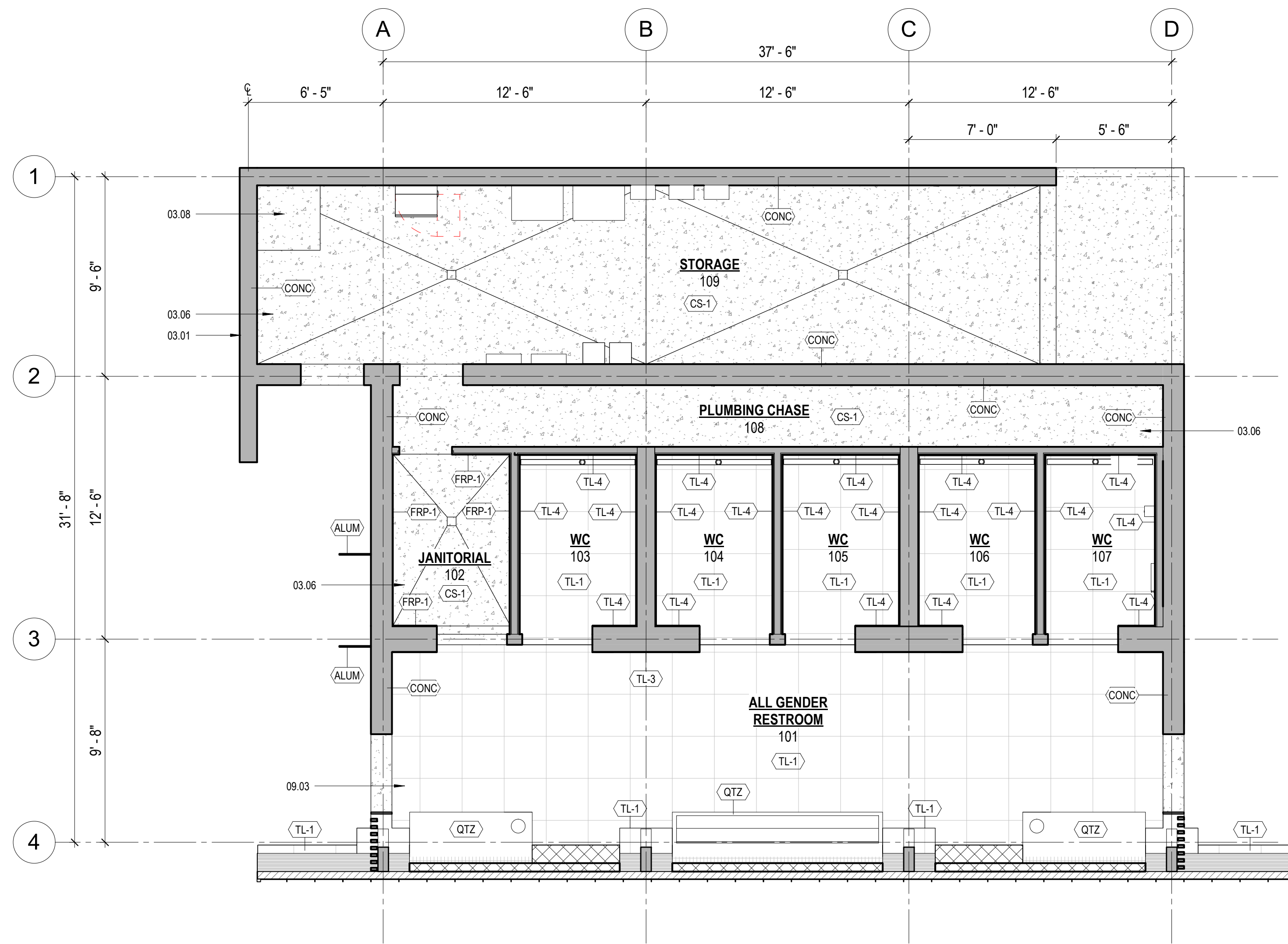
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Contract No	Drawing Title <b>MISCELLANEOUS INTERIOR DETAILS</b>	Project No. <b>1902</b>	
Elevation Datum	Drawing/File No	Revision No	Scale: 3" = 1'-0"

ROOM FINISH SCHEDULE										
ROOM NO.	ROOM	FLOOR	BASE	WALLS				CEILING		COMMENTS
				EAST (E)	SOUTH (S)	NORTH (N)	WEST (W)	MATERIAL	HEIGHT	
101	ALL GENDER RESTROOM	TL-4	B-1	TL-2, WD	CONC, WD	CONC, WD	TL-1, EXP	EXP	VARIES	SEE INTERIOR ELEVATIONS AND BUILDING SECTIONS FOR FULL EXTENT
102	JANITORIAL	CS-1	B-2	FRP-1	FRP-1, WD	FRP-1, WD	FRP-1, WD	EXP	VARIES	SEE INTERIOR ELEVATIONS AND BUILDING SECTIONS FOR FULL EXTENT
103	WC	TL-4	B-1	TL-3	TL-3	TL-3	TL-3, WD	EXP	VARIES	SEE INTERIOR ELEVATIONS AND BUILDING SECTIONS FOR FULL EXTENT
104	WC	TL-4	B-1	TL-3	TL-3	TL-3	TL-3, WD	EXP	VARIES	SEE INTERIOR ELEVATIONS AND BUILDING SECTIONS FOR FULL EXTENT
105	WC	TL-4	B-1	TL-3	TL-3	TL-3	TL-3, WD	EXP	VARIES	SEE INTERIOR ELEVATIONS AND BUILDING SECTIONS FOR FULL EXTENT
106	WC	TL-4	B-1	TL-3	TL-3	TL-3	TL-3, WD	EXP	VARIES	SEE INTERIOR ELEVATIONS AND BUILDING SECTIONS FOR FULL EXTENT
107	WC	TL-4	B-1	TL-3	TL-3, WD	TL-3	TL-3, WD	EXP	VARIES	SEE INTERIOR ELEVATIONS AND BUILDING SECTIONS FOR FULL EXTENT
108	PLUMBING CHASE	CS-1	B-2	CONC	CONC	CONC	CONC	EXP	8'-6"	
109	STORAGE	CS-1	B-2	CONC	CONC	CONC	CONC	EXP	8'-0"	

FINISH LEGEND	
<b>FINISH FLOOR:</b>	
CS-1	CONCRETE SEALER MANUFACTURER: GHOSTSHIELD OR EQ PRODUCT: LITHITEK 9500 OR EQ COLOR: CLEAR
TL-1	FLOOR TILE MANUFACTURER: STONESOURCE OR EQ PRODUCT: TRANQUILITY OR EQ COLOR: STEEL GREY FINISH: BRUSHED SIZE: 6"x6"
<b>WALL BASE:</b>	
B-1	SS COVE BASE MANUFACTURER: SCHLUTER OR EQ PRODUCT: DILEX OR EQ SIZE: 0.3125"
B-2	RUBBER BASE MANUFACTURER: ROPPE OR EQ PRODUCT: PINNACLE RUBBER SIZE: STANDARD TOE 4" COLOR: GREY
<b>WALLS:</b>	
FRP-1	FIBER REINFORCED PLASTIC PANELS MANUFACTURER: MARLITE OR EQ THICKNESS: 3/32" FINISH: SMOOTH COLOR: BRITE WHITE
TL-2	WALL TILE MANUFACTURER: STONE SOURCE OR EQ PRODUCT: INTERA OR EQ COLOR: MULTIPLE FINISH: MATTE AND POLISHED SIZE: 2"x9" THICKNESS: 10MM
TL-3	WALL TILE MANUFACTURER: STONE SOURCE OR EQ PRODUCT: INTERA OR EQ COLOR: BLU AVIO FINISH: POLISHED SIZE: 2"x9" THICKNESS: 10MM
TL-4	WALL TILE MANUFACTURER: STONE SOURCE OR EQ PRODUCT: INTERA OR EQ COLOR: SABBIA FINISH: POLISHED SIZE: 2"x9" THICKNESS: 10MM
<b>CEILING:</b>	
EXP	EXPOSED WOOD STRUCTURE, CLT & GLULAM, FINISH PER SPECS
FRP-1	FIBER REINFORCED PLASTIC PANELS MANUFACTURER: MARLITE OR EQ THICKNESS: 3/32" FINISH: SMOOTH COLOR: WHITE
<b>SURFACE:</b>	
ALUM	ALUMINUM
CONC	CONCRETE
QTZ	QUARTZ
SS	STAINLESS STEEL
WD	WOOD

SHEET NOTES	
1.	SEE SHEET G-SERIES SHEETS FOR ACCESSIBLE TOILET COMPARTMENT AND TOILET ROOM DETAILS
2.	SEE SHEETS A4.00 - A4.01 FOR ENLARGED PLANS AND ELEVATIONS.
3.	SEE SHEETS A6.10 - A6.23 FOR REFLECTED CEILING PLANS.
4.	SEE SHEET A9.00 FOR OPENING TYPES, SCHEDULES AND DETAILS.
5.	SEE SHEET A9.01 FOR PARTITION TYPES AND DETAILS.
6.	SEE STRUCTURAL, MECHANICAL, PLUMBING & ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
7.	CONTRACTOR TO PROTECT ALL EXISTING CONSTRUCTION TO REMAIN.

KEYNOTES	
03.01	CONCRETE WALL
03.06	2-1/2" CONCRETE TOPPING SLAB <i>or</i> CONCRETE MAT SLAB, SSD.
03.08	CONCRETE HOUSEKEEPING PAD, SSD
09.03	FLOOR TILE <i>or</i> 2-1/2" BUILT-UP FORTIFIED MORTAR BED



**1 FLOOR PLAN**  
1/4" = 1'-0"

LEGEND	
<b>WALL LEGEND</b>	
	CONCRETE WALLS
	WOOD STUD FRAMING, FINISH PER SCHEDULE
	CLT - CROSS LAMINATED TIMBER DECKING, SSD.
<b>FLOOR FINISH LEGEND</b>	
	SC-1: SEALED CONCRETE
	TL-1: 24" x 24" TILE

San Francisco **Water Power Sewer**  
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ENGINEERING MANAGEMENT BUREAU

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WWE Engineering Mgr. \_\_\_\_\_  
WWE O&M Mgr. \_\_\_\_\_  
Section Mgr. \_\_\_\_\_  
Designed \_\_\_\_\_  
Drawn \_\_\_\_\_  
Checked/Approved \_\_\_\_\_

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Technical Mgr. \_\_\_\_\_  
Proj. Mgr. \_\_\_\_\_  
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Checked by \_\_\_\_\_

Julia Laue  
Patricia Solis  
Vito Vanoni  
MS  
PDF  
Author  
Checker

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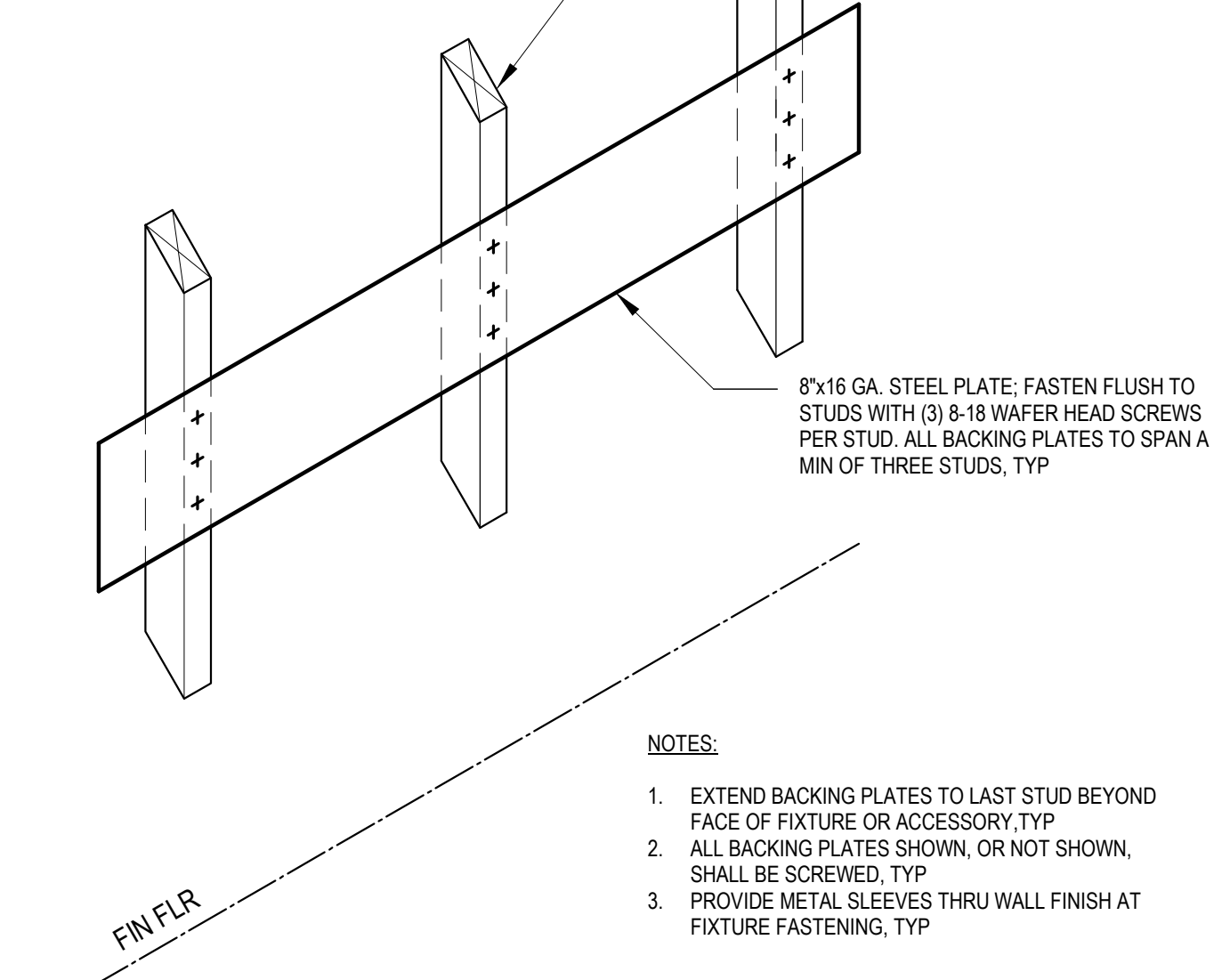
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No.	Date	Revisions

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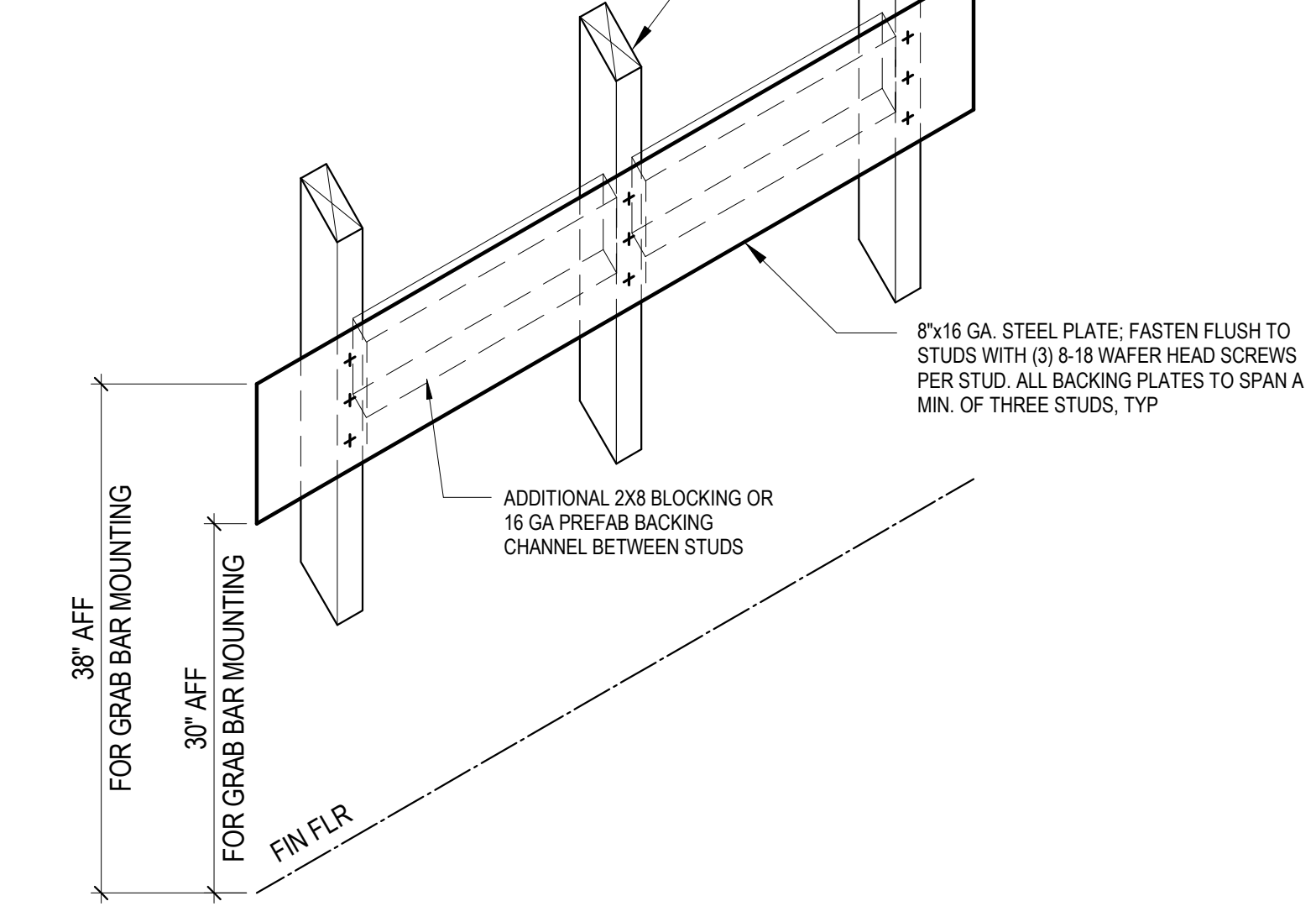
Project	Ocean Beach Restroom	Plan No.	A10.10
	2801 Great Highway San Francisco, CA 94132		
Contract No		Drawing Title	FINISH SCHEDULES (FINISHES, MATERIALS, ACCESSORIES)
		Project No.	1902
Elevation Datum		Drawing/File No	
		Revision No	
		Scale:	As indicated

BACKING PLATE TYPE 1:  
 ALL TOILET ACCESSORIES,  
 FEC, FE, SEMI-RECESS FE, TELEPHONE  
 OUTLETS, DOOR STOPS, SURFACE  
 MOUNTED LIGHT FIXTURES,  
 LOCKERS, CURTAIN RODS,  
 AND AS SHOWN ON DRAWINGS



- NOTES:
1. EXTEND BACKING PLATES TO LAST STUD BEYOND FACE OF FIXTURE OR ACCESSORY, TYP
  2. ALL BACKING PLATES SHOWN, OR NOT SHOWN, SHALL BE SCREWED, TYP
  3. PROVIDE METAL SLEEVES THRU WALL FINISH AT FIXTURE FASTENING, TYP

BACKING PLATE TYPE 2:  
 BASE CABINET, WALL HUNG CABINET,  
 ADJUSTABLE SHELVES, DRINKING  
 FOUNTAIN, ELEC. PANEL, HANDRAIL,  
 URINAL, GRAB BAR, LAVATORY,  
 TOILET COMPARTMENTS, BIKE RACKS,  
 TV/IDP MOUNTING BRACKETS AND AS  
 SHOWN ON DRAWINGS



**1 BACKING DETAILS**  
 N.T.S.

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 WWE O&M Mgr. \_\_\_\_\_  
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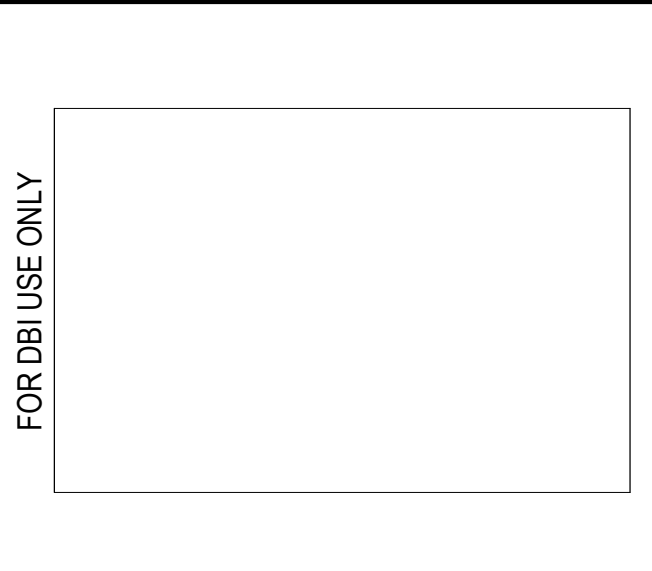
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Proj. Mgr. \_\_\_\_\_ MS  
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 Drawn \_\_\_\_\_ Author  
 Checked by \_\_\_\_\_ Checker

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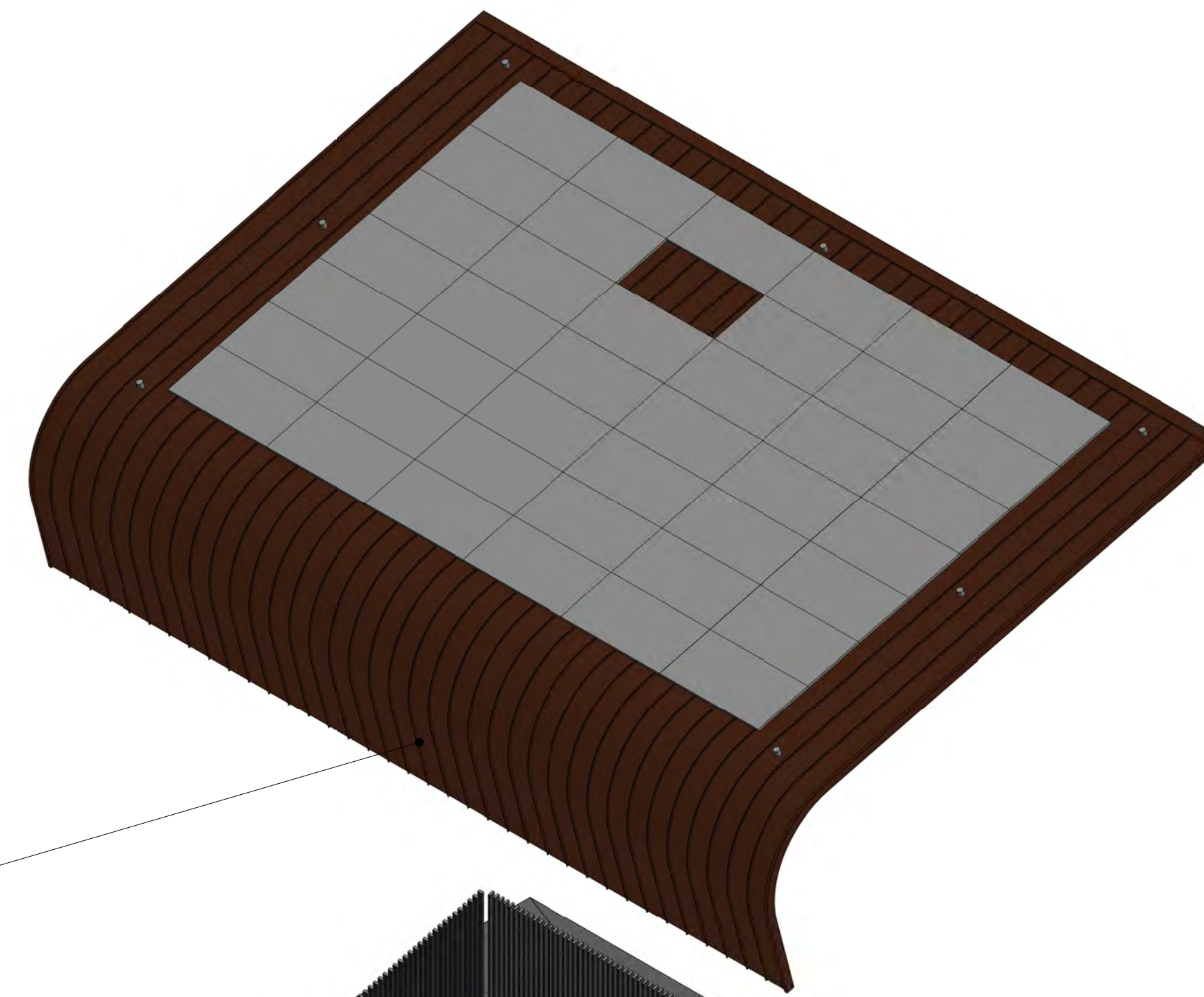
No.	Date	Revisions



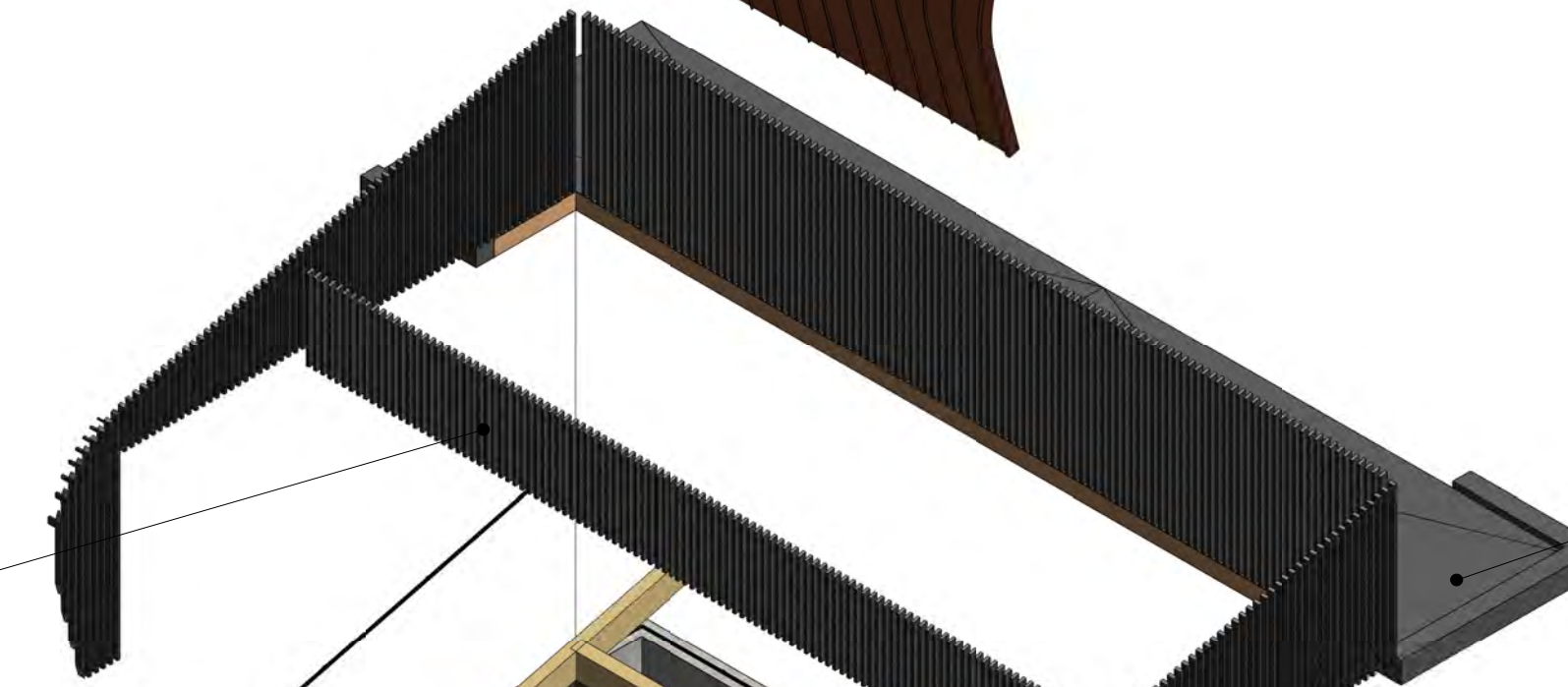
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Contract No	Drawing Title <b>BACKING DETAILS</b>		Project No. <b>1902</b>
Elevation Datum	Drawing/File No	Revision No	Scale: 1/2" = 1'-0"



2 SECTION RENDERING  
N.T.S.

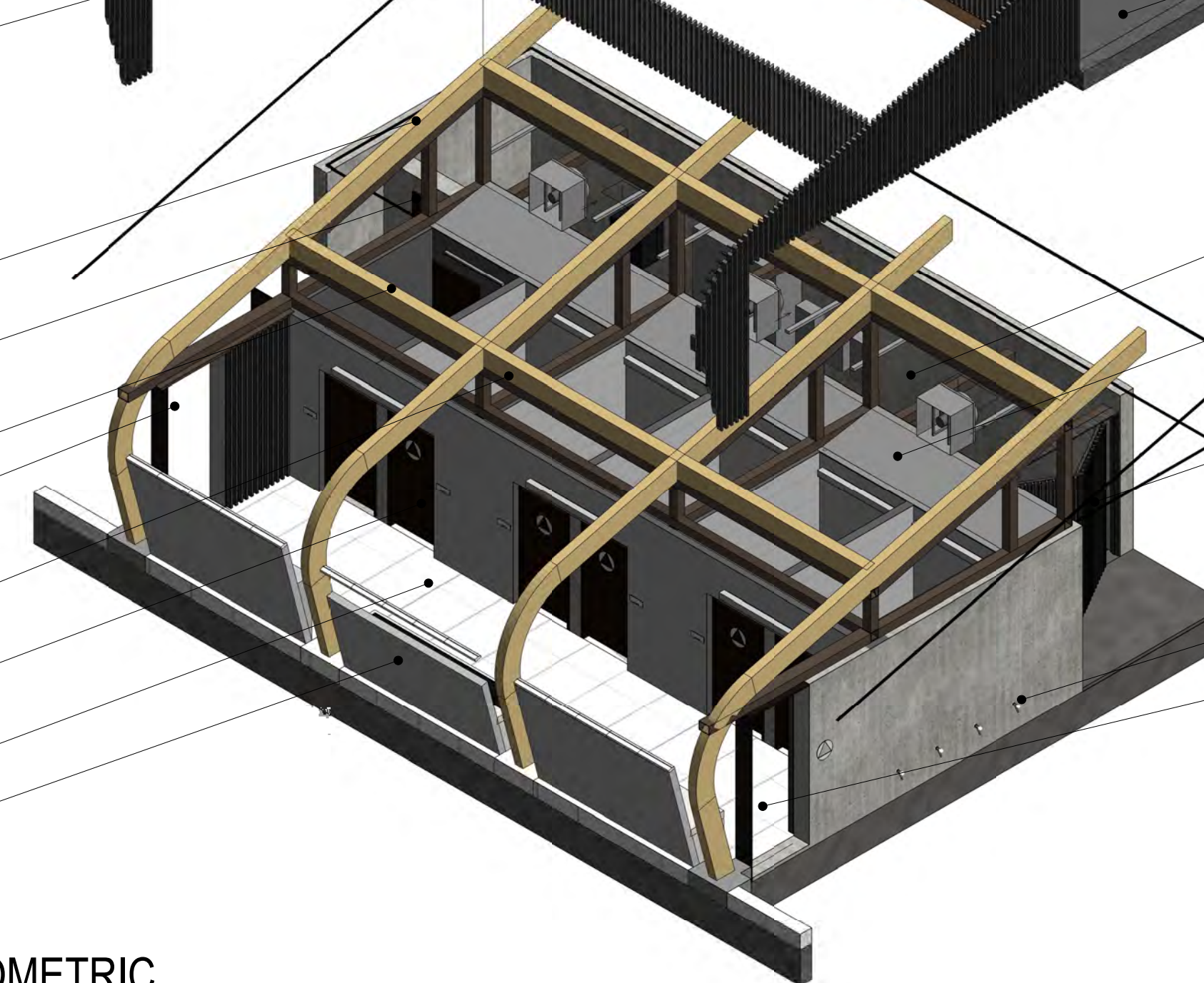


STANDING SEAM ALUMINUM  
ROOF OVER GLULAM BEAMS  
AND CLT ROOF DECK



SLATTED CEDAR SCREEN  
ENCLOSURE

SBS ROOF OVER CLT DECK



CONCRETE WALL

STORAGE ENTRY

**JANITOR'S CLOSET**  
47 SF

MAIN ENTRY, NORTH

**WATER CLOSET**  
44 SF  
TYP OF 5

DOORS,  
TYP OF 6

**ALL-GENDER RESTROOM**  
327 SF

HAND WASHING STATION, BEYOND

**STORAGE**  
326 SF

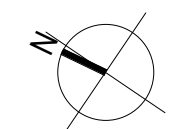
**PLUMBING CHASE**  
108 SF

HORIZONTAL SLIDING GARAGE DOOR

FOOT SHOWER, TYP OF 4

MAIN ENTRY, SOUTH

1 EXPLODED AXONOMETRIC  
N.T.S.



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Contract No

Elevation Datum

Project **Ocean Beach Restroom**

2801 Great Highway  
San Francisco, CA 94132

Drawing Title  
**AXONOMETRIC & RENDERING**

Drawing/File No

Revision No

Plan No.

A11.00

Project No.

1902

Scale:  
12" = 1'-0"