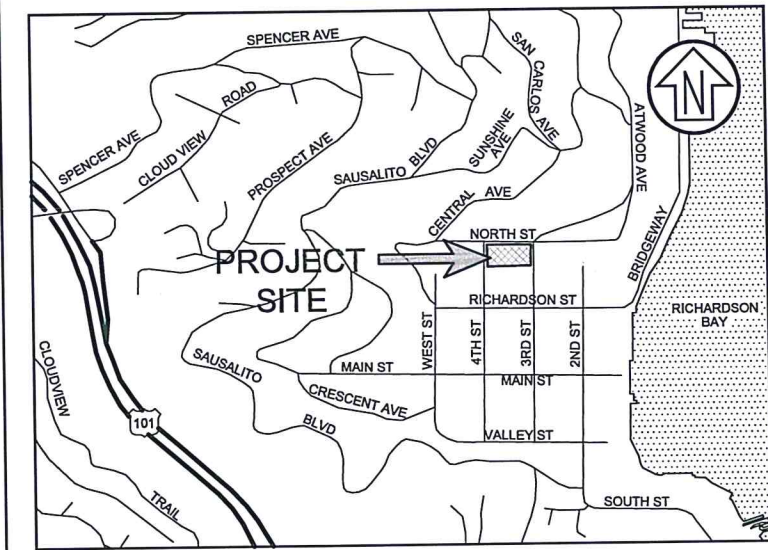


IMPROVEMENT PLANS FOR SOUTHVIEW PARK SAUSALITO, CALIFORNIA



CSW | ST 2
CSW/Stuber-Stroob
Engineering Group, Inc.
 45 Levered Court, Novato, CA 94949
 Tel: 415.893.9050
 Fax: 415.893.9835
 Civil & Structural Engineers
 Surveying & Mapping
 Environmental Planning
 Land Planning
 Construction Management

Checked	Drawn	Designed	Description	Date	Rev

SYMBOLS

EXISTING	PROPOSED

LINETYPES

EXISTING	PROPOSED

ABBREVIATIONS

AB	AGGREGATE BASE	FL	FLOWLINE	SD	STORM DRAIN
AC	ASPHALT CONCRETE	FS	FINISH SURFACE	SDCO	STORM DRAIN CLEANOUT
AD	AREA DRAIN	GB	GRADE BREAK	SDMH	STORM DRAIN MANHOLE
ALT	ALTERNATE	HP	HIGH POINT	SF	SQUARE FEET
CB	CATCH BASIN	HT	HEIGHT	SS	SANITARY SEWER
CIP	CAST IRON PIPE	ICV	IRRIGATION CONTROL VALVE	SSCO	SANITARY SEWER CLEANOUT
CLR	CLEAR	INV	INVERT	SSMH	SANITARY SEWER MANHOLE
CO	CLEANOUT	IRR	IRRIGATION	STD	STANDARD
DF	DRINKING FOUNTAIN	JP	JOINT POLE	TC	TOP OF CURB
DI	DROP INLET	JT	JOINT TRENCH	TF	TOP OF FOOTING
DWG	DRAWING	LF	LINEAR FEET	TG	TOP OF GRATE
EG	EXISTING GRADE	LP	LOW POINT	TS	TURNING STRUCTURE
EL	ELEVATION	MH	MANHOLE	TW	TOP OF WALL
ELEC	ELECTRIC	NTS	NOT TO SCALE	UNO	UNLESS NOTED OTHERWISE
ES	EXISTING SURFACE	PA	PLANTER AREA	UCS	UNIFORM CONSTRUCTION STANDARDS (MARIN COUNTY)
EX	EXISTING	POC	POINT OF CONNECTION	UNO	UNLESS NOTED OTHERWISE
FC	FACE OF CURB	PRO	PROPOSED	VIF	VERIFY IN FIELD
FF	FINISH FLOOR	PVC	POLYVINYL CHLORIDE PIPE	W	WATER
FG	FINISH GRADE	RC	RELATIVE COMPACTION	WW	WATER VALVE
		SCH	SCHEDULE		

CIVIL SHEETS

C0.0	COVER SHEET
C1.0	EXISTING CONDITIONS
C2.0	DEMOLITION PLAN
C3.0	SITE PLAN
C4.0	GRADING AND DRAINAGE PLAN
C4.1	SITE WALL PLAN
C4.2	STAIRWAY WALL PROFILES
C4.3	BASKETBALL COURT COMPOSITE PLAN (ALT 1)
C5.0	UTILITY PLAN
C6.0	NOTES AND DETAILS
C6.1	NOTES AND DETAILS
C6.2	NOTES AND DETAILS
C6.3	NOTES AND DETAILS (ALT 1)
C7.0	STORMWATER CONTROL PLAN
C7.1	STORMWATER CONTROL NOTES & DETAILS
C8.0	EROSION CONTROL PLAN
C8.1	EROSION CONTROL NOTES AND DETAILS

STRUCTURAL SHEETS

S000	GENERAL NOTES
S001	GENERAL NOTES
S300	CONCRETE DETAILS I
S310	FOUNDATION DETAILS
S311	FOUNDATION DETAILS

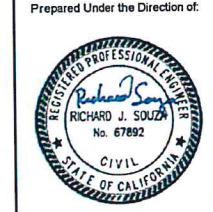
REVIEWED BY

THE SIGNATURES BELOW ACKNOWLEDGE THAT THE CORRESPONDING AGENCY HAS REVIEWED A PRELIMINARY SET OF PLANS FOR CONSISTENCY WITH AGENCY REQUIREMENTS. THIS ACKNOWLEDGMENT DOES NOT SIGNIFY APPROVAL OF THIS PROJECT BY THE CORRESPONDING AGENCY.

Kerrie M. D.
 CITY OF SAUSALITO ENGINEER
 DATE: 2/19/20

SOUTHVIEW PARK
COVER SHEET
APN: 065-234-01

City of
Sausalito
 County of
Marin
 State of
California



Sheet	C0.0
Scale:	As Shown
Date:	2/18/2020
Project Number:	4.1213.00
Plan File:	D-5472-01



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Rev	Date	Description	Designated	Drawn	Checked
	2/18/2020	BID SET	RUS	JBD	RUS

**SOUTHVIEW PARK
 EXISTING CONDITIONS
 APN: 065-234-01**

City of Sausalito
 County of Marin
 State of California

Prepared Under the Direction of:



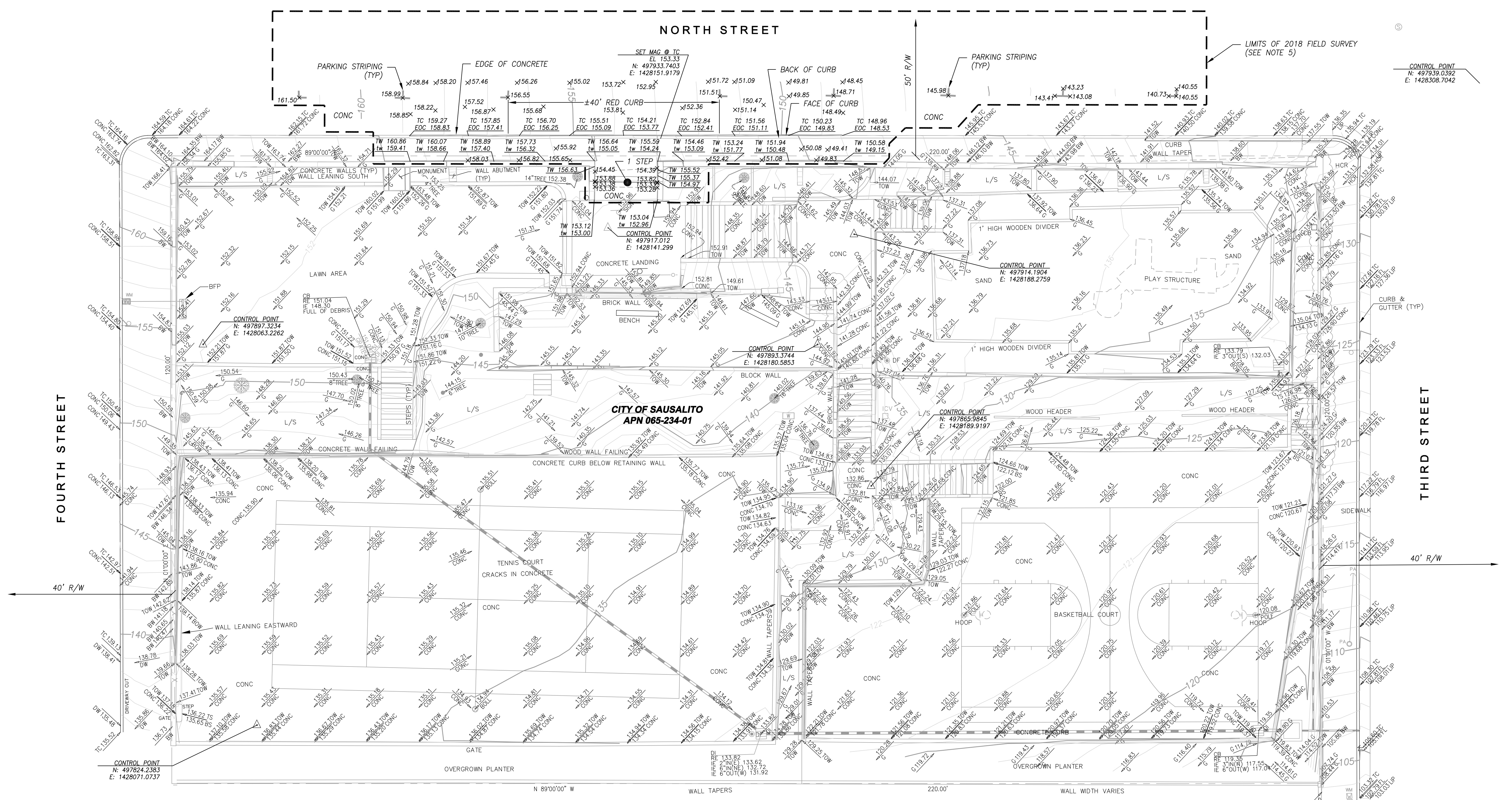
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Scale: 1" = 10'
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Project Number: 4.1213.00
 Plan File: D-5472-02

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ABBREVIATIONS

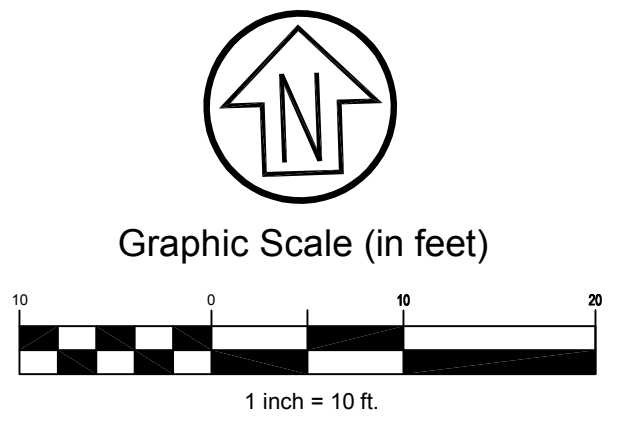
AC	ASPHALTIC CONCRETE	IE	INVERT ELEVATION
BFP	BACKFLOW PREVENTER	IRR	IRRIGATION
BOT	BOTTOM	L/S	LANDSCAPE
BW	BACK OF WALK	N	NORTHING
CB	CATCH BASIN	P	PAVEMENT ELEVATION
CL	CENTER LINE	PA	PLANTER AREA
CO	CLEANOUT	PG&E	PACIFIC GAS & ELECTRIC
CONC	CONCRETE	PP	POWER POLE
DEP	DEPRESSED	RE	RIM ELEVATION
DF	DRINKING FOUNTAIN	R/W	RIGHT OF WAY
DI	DRAIN INLET	SD	STORM DRAIN
DWY	DRIVEWAY	SDCB	STORM DRAIN CATCH BASIN
E	EASTING	SDMH	STORM DRAIN MANHOLE
EG	EXISTING GRADE	SL	STREET LIGHT
EL	ELEVATION	SS	SANITARY SEWER
EOC	EDGE OF CONCRETE	SSMH	SANITARY SEWER MANHOLE
EP	EDGE OF PAVEMENT	TC	TOP OF CURB
FH	FIRE HYDRANT	TV	TELEVISION
FL	FLOW LINE	TOW	TOP OF WALL
G	GROUND	tw	TOE OF WALL
GND	GROUND	TYP	TYPICAL
HCR	HANDICAP RAMP	VLT	VAULT
HYD	HYDRANT	W	WATER
ICV	IRRIGATION CONTROL VALVE	WM	WATER METER

NOTES

- DISTANCES SHOWN ARE IN FEET AND DECIMALS THEREOF.
 - TOPOGRAPHY SHOWN IS BASED ON FIELD SURVEY PERFORMED BY SANDIS IN 2014.
 - THIS SURVEY HORIZONTALLY BASED ON THE HORIZONTAL CONTROL MONUMENTS FROM THE CITY OF SAUSALITO. M-188 N497,952.39 E1,427,548.70 AND M-189 N497,967.64, E1427,601.53.
 - THIS SURVEY IS VERTICALLY BASED ON BENCHMARK RM11 OF THE CITY OF SAUSALITO FEDERAL EMERGENCY MANAGEMENT AGENCY FIRM MAP. A 2" BRASS DISK FOUND ON THE WEST SIDE OF BRIDGEWAY WHERE BRIDGEWAY TURNS WESTERLY AND BECOMES RICHARDSON STREET IN FRONT OF #301 BRIDGEWAY; 1' SOUTHERLY OF THE STREET LIGHT #328Y; 3.7' OFF THE CURBLINE OF BRIDGEWAY
- ELEVATION = 9.84 FEET
- SUPPLEMENTAL FIELD SURVEY WAS PERFORMED IN FEBRUARY OF 2018.
 - BURIED UTILITIES MAY EXIST THAT ARE NOT SHOWN HEREON.

LEGEND

PROPERTY LINE	---
6" CURB	====
LIP OF GUTTER	- - - -
SANITARY SEWER MAIN	8" SS
STORM DRAIN MAIN	-----
FIRE HYDRANT	⊕ ⊕
SIGN	⊕
SANITARY SEWER MANHOLE	⊙
STORM DRAIN MANHOLE	⊙
STORM DRAIN CATCH BASIN	⊕
STORM DRAIN CURB INLET	⊕
ELECTROLIER	⊕
TREE	⊕



Rev	Date	Description	Designed	Drawn	Checked
	2/18/2020	BID SET	RJS	JBD	RJS

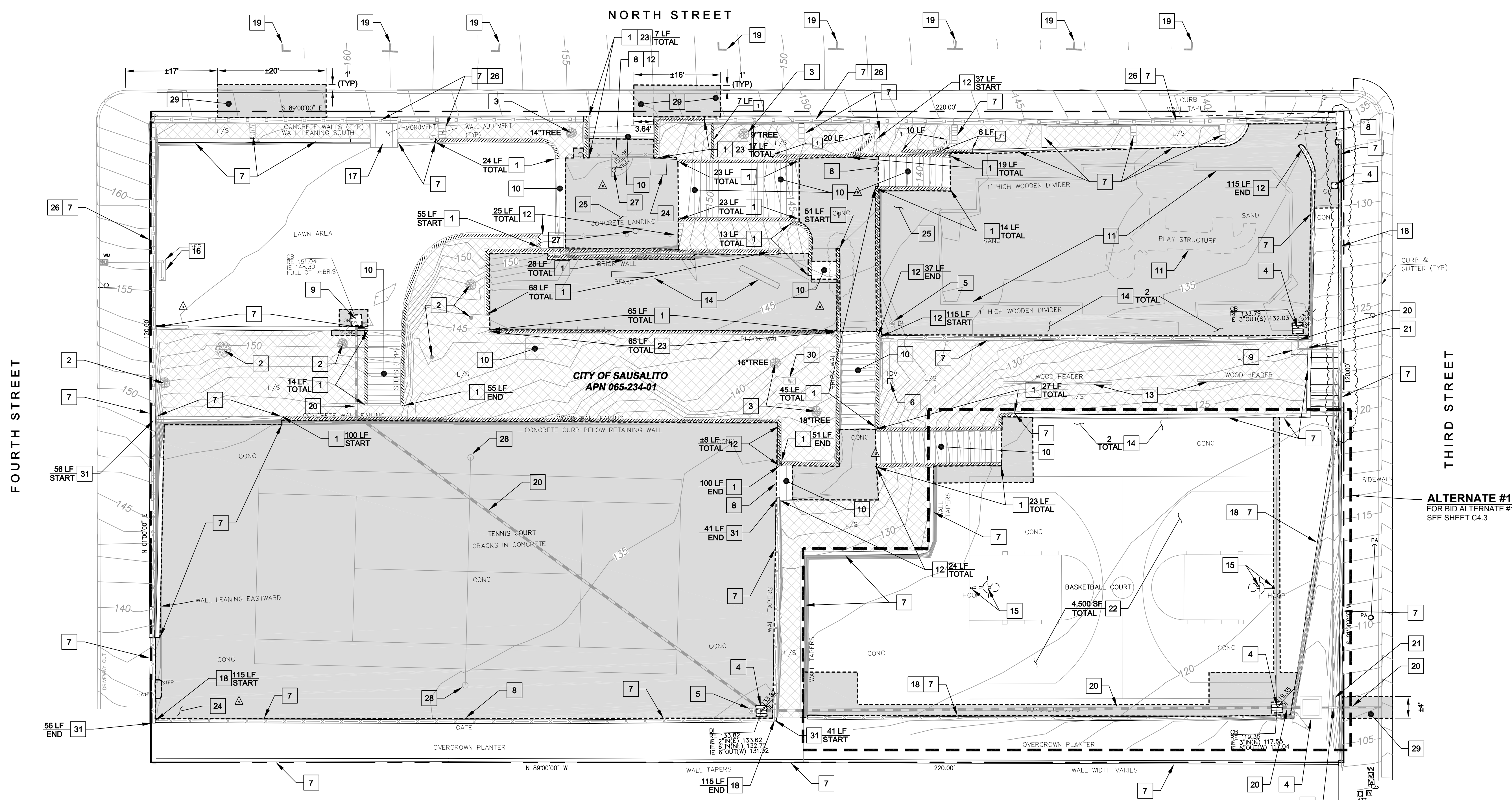
**SOUTHVIEW PARK
 DEMOLITION PLAN
 APN: 065-234-01**

City Of Sausalito
 County Of Marin
 State Of California

Prepared Under the Direction of:



Sheet
C2.0
 Scale: 1" = 10'
 Date: 2/18/2020
 Project Number: 4.1213.00
 Plan File: D-5472-03



ALTERNATE #1
 FOR BID ALTERNATE #1,
 SEE SHEET C4.3

DEMOLITION KEYNOTES

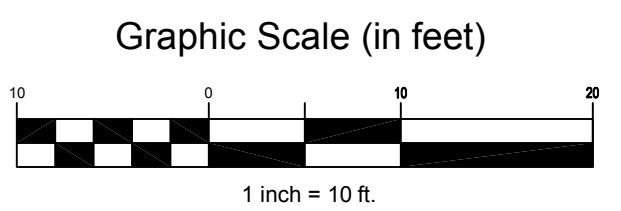
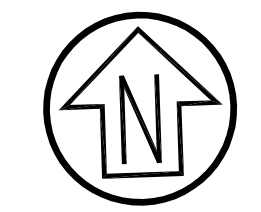
- | | | |
|--|---|--|
| 1 REMOVE AND DISPOSE EXISTING WALL | 11 REMOVE AND DISPOSE EXISTING PLAY STRUCTURE AND APPURTENANCES, WOODEN DIVIDER, AND SAND | 21 PLUG EXISTING STORM DRAIN PIPE, TO BE ABANDONED IN PLACE |
| 2 REMOVE AND DISPOSE EXISTING TREE | 12 REMOVE AND DISPOSE EXISTING CHAINLINK FENCE | 22 REMOVE EXISTING BASKETBALL COURT PAINT |
| 3 PROTECT IN PLACE EXISTING TREE AND ROOTS | 13 REMOVE AND DISPOSE EXISTING WOOD HEADER | 23 REMOVE AND DISPOSE EXISTING RAILING |
| 4 PROTECT IN PLACE EXISTING STORM DRAIN STRUCTURE. REMOVE AND DISPOSE EXISTING GRATE. | 14 REMOVE EXISTING BENCH. BENCH TO BE SALVAGED AND RETURNED TO THE CITY | 24 REMOVE AND DISPOSE EXISTING TRASH CAN |
| 5 REMOVE AND DISPOSE EXISTING DRINKING FOUNTAIN. CAP WATER LINE, TO BE ABANDONED IN PLACE. | 15 PROTECT IN PLACE EXISTING BASKETBALL BACKBOARD, RIM, AND POLE | 25 REMOVE AND DISPOSE EXISTING PICNIC TABLE |
| 6 PROTECT IN PLACE EXISTING IRRIGATION CONTROL VALVE | 16 PROTECT IN PLACE EXISTING BACKFLOW PREVENTER AND EXISTING WATER SYSTEM | 26 PROTECT IN PLACE EXISTING RAILING |
| 7 EXISTING WALL TO REMAIN, PROTECT IN PLACE | 17 EXISTING MONUMENT TO REMAIN, PROTECT IN PLACE | 27 REMOVE AND DISPOSE EXISTING SIGN |
| 8 REMOVE AND DISPOSE EXISTING GATE | 18 PROTECT IN PLACE EXISTING FENCE | 28 PROTECT IN PLACE EXISTING TENNIS COURT POSTS AND FOUNDATION |
| 9 REMOVE AND DISPOSE EXISTING STORM DRAIN STRUCTURE AND GRATE | 19 REMOVE EXISTING PARKING STRIPING | 29 SAWCUT, REMOVE, AND DISPOSE EXISTING CONCRETE SIDEWALK (INCLUDING BASE ROCK) TO NEAREST EXISTING SCORE JOINT |
| 10 REMOVE AND DISPOSE EXISTING STAIRS, APPURTENANCES, AND RAILING | 20 REMOVE AND DISPOSE EXISTING STORM DRAIN PIPE | 30 EXISTING WATER RISER TO BE REMOVED AND DISPOSED |
| | | 31 PROTECT IN PLACE EXISTING FENCE POLES, CROSS BRACES, AND GATE ENTRY, AS APPLIES. REMOVE AND DISPOSE EXISTING FENCE CHAIN LINK MESH. |

LEGEND

- LIMITS OF CONCRETE AND AC PAVEMENT SECTION (INCLUDING BASE ROCK) DEMOLITION
- LIMITS OF VEGETATION REMOVAL (INCLUDING SHRUB, ROOTS, AND ALL ORGANIC MATERIAL)
- SAWCUT LINE
- EXTENTS OF EXISTING WALL DEMOLITION

NOTES

- CONTRACTOR SHALL SUBMIT PHASED DEMOLITION PLAN(S) FOR REVIEW AND APPROVAL BY THE ENGINEER. THE DEMOLITION PLAN(S) SHALL INCLUDE APPROPRIATE DETAILS AND/OR SPECIFICATIONS INDICATING PROTECTION OF THE EXISTING RETAINING WALLS.

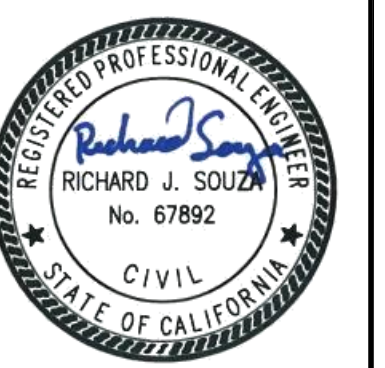


Rev	Date	Description	Drawn	Checked
	2/18/2020	BID SET	JBD	RJS

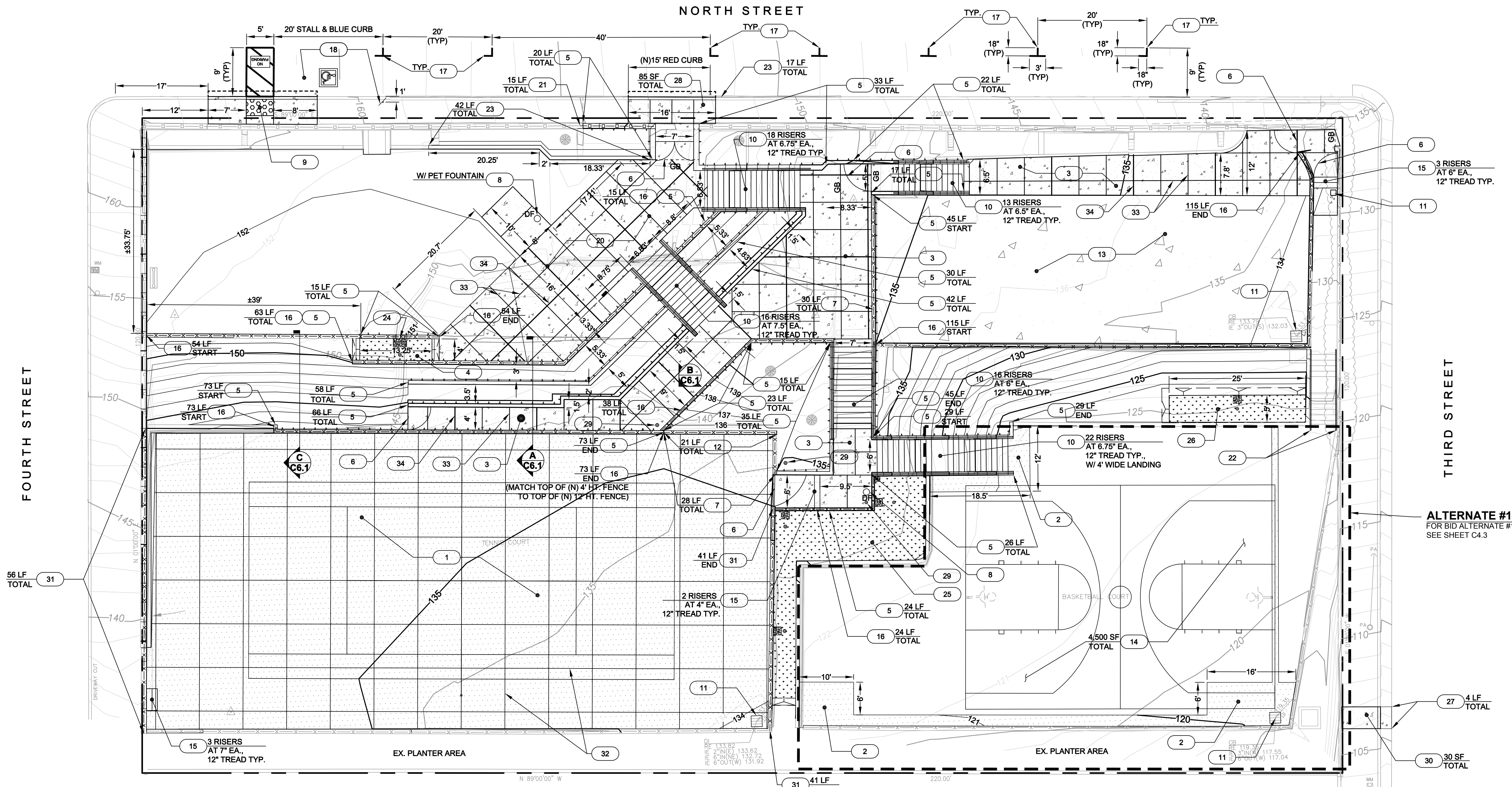
**SOUTHVIEW PARK
 SITE PLAN
 APN: 065-234-01**

City Of
Sausalito
 County Of
Marin
 State Of
California

Prepared Under the Direction of:



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Scale:	1" = 10'
Date:	2/18/2020
Project Number:	4.1213.00
Plan File:	D-5472-04



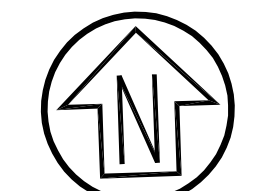
ALTERNATE #1
 FOR BID ALTERNATE #1,
 SEE SHEET C4.3

KEYNOTES

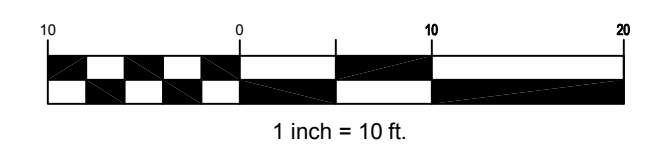
- | | | |
|---|--|--|
| 1 CONSTRUCT NEW TENNIS COURT CONCRETE PAVEMENT. SEE STRUCTURAL PLANS, DETAIL 5, SHEET C-310. INSTALL NEW TENNIS COURT PAINT AND STRIPING. | 11 ADJUST EXISTING STORM DRAIN STRUCTURE TO FINISHED GRADE. REMOVE AND DISPOSE OF EXISTING GRATE. INSTALL NEW ADA ACCESSIBLE GRATE OR APPROVED EQUAL. | 21 INSTALL NEW RAILING ON TOP OF WALL. RAILING SHALL BE NOMINAL 1-1/2" GALVANIZED STEEL, MAXIMUM RAIL SPACING 4" TYPICAL. CONFORM TO EXISTING RAILING. |
| 2 CONSTRUCT NEW BASKETBALL COURT AC PAVEMENT. SEE DETAIL 8, SHEET C6.0. | 12 CONSTRUCT NEW 8" HEIGHT TYPE "E" CURB PER UCS DWG. 105. MATCH EXISTING WIDTH. SEE DETAIL 1, SHEET C6.0 | 22 INSTALL NEW HANDRAILS FOR EXISTING STAIRWAY. SEE DETAIL 1 & 2, SHEET C6.1 |
| 3 CONSTRUCT NEW PEDESTRIAN CONCRETE. SEE DETAIL 2, SHEET C6.0 | 13 CONSTRUCT NEW PLAYGROUND 3" CONCRETE RAT SLAB. SEE DETAIL 9, SHEET C6.0. PLAYGROUND SURFACE AND STRUCTURES TO BE INSTALLED BY OTHERS. | 23 CONSTRUCT NEW 6" HEIGHT TYPE "E" CURB PER UCS DWG. 105. MATCH EXISTING WIDTH. SEE DETAIL 1, SHEET C6.0 |
| 4 CONSTRUCT NEW BIORETENTION AREA. SEE DETAIL 4, SHEET C7.1 | 14 RE-PAINT BASKETBALL COURT SURFACE AND COURT STRIPING | 24 INSTALL NEW CURB CUT INLET PER DETAIL 3, SHEET C7.1 |
| 5 CONSTRUCT NEW RETAINING WALL. SEE STRUCTURAL PLANS FOR RETAINING WALL DETAILS. | 15 CONSTRUCT NEW CONCRETE STAIRWAY. SEE STRUCTURAL PLANS, DETAIL 3, SHEET S-310. | 25 CONSTRUCT NEW BIORETENTION AREA. SEE DETAIL 5, SHEET C7.1 |
| 6 INSTALL NEW GATE ENTRY | 16 INSTALL NEW 4' HEIGHT CHAIN LINK FENCE ON TOP OF WALL | 26 CONSTRUCT NEW BIORETENTION AREA. SEE DETAIL 6, SHEET C7.1 |
| 7 INSTALL NEW 12' HEIGHT CHAIN LINK FENCE ON TOP OF EXISTING WALL | 17 INSTALL NEW PARKING STRIPING (4" WHITE) | 27 INSTALL NEW TYPE "A" CURB AND GUTTER PER UCS DWG. 105. SEE DETAIL 6, SHEET C6.0 |
| 8 INSTALL NEW DRINKING FOUNTAIN. SEE SHEET C6.2 FOR DETAILS. | 18 INSTALL NEW ADA ACCESSIBLE RAMP. SAWCUT AND CONFORM TO NEAREST EXISTING CONTROL JOINT. DETECTABLE WARNING SURFACE PER DETAIL 7, SHEET C6.0. CONCRETE PER UCS DWG. 105 WITH 6" CLASS II AB AT 95% R.C. | 28 INSTALL NEW CONCRETE SIDEWALK PER UCS DWG. 105 WITH 6" CLASS II AB AT 95% R.C. SAWCUT AND CONFORM TO NEAREST EXISTING CONTROL JOINT. |
| 9 CONSTRUCT NEW ADA ACCESSIBLE RAMP. SAWCUT AND CONFORM TO NEAREST EXISTING CONTROL JOINT. DETECTABLE WARNING SURFACE PER DETAIL 7, SHEET C6.0. CONCRETE PER UCS DWG. 105 WITH 6" CLASS II AB AT 95% R.C. | 19 OMITTED | 29 INSTALL NEW AREA DRAIN. SEE DETAIL 2, SHEET C7.1. SEE GRADING AND DRAINAGE PLAN, SHEET C4.0 |
| 10 CONSTRUCT NEW CONCRETE STAIRWAY. SEE STRUCTURAL PLANS. CONSTRUCT NEW HANDRAILS, PER DETAIL 1 & 2, SHEET C6.1 | 20 CONSTRUCT NEW PEDESTRIAN COLORED CONCRETE. SEE DETAIL 2, SHEET C6.0 | 30 INSTALL NEW CONCRETE SIDEWALK WITH 3"x8" RECTANGULAR STEEL BOX UNDER DRAIN PER UCS DWG. 145 WITH 6" CLASS II AB AT 95% R.C. |

LEGEND

- NEW BIORETENTION AREA
- NEW SPORTS ATHLETIC COURT
- NEW PEDESTRIAN CONCRETE PATH
- NEW PLAYGROUND CONCRETE RAT SLAB. FINISHED SURFACE TO BE INSTALLED BY OTHERS.



Graphic Scale (in feet)



Revision table with columns: Rev, Date, Description, Drawn, Checked, R.I.S.

SOUTHVIEW PARK GRADING PLAN APN: 065-234-01

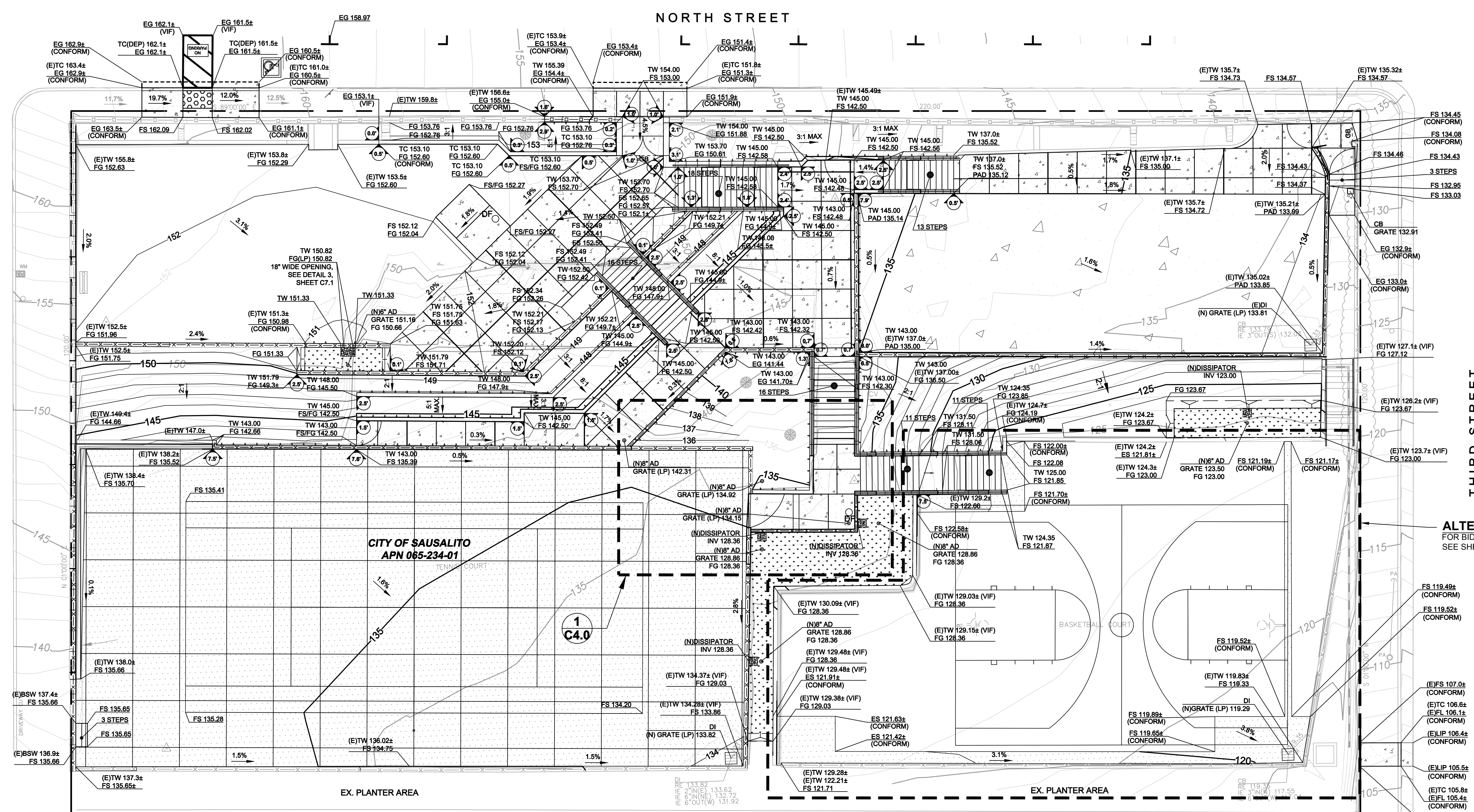
City of Sausalito County of Marin State of California

Prepared Under the Direction of:

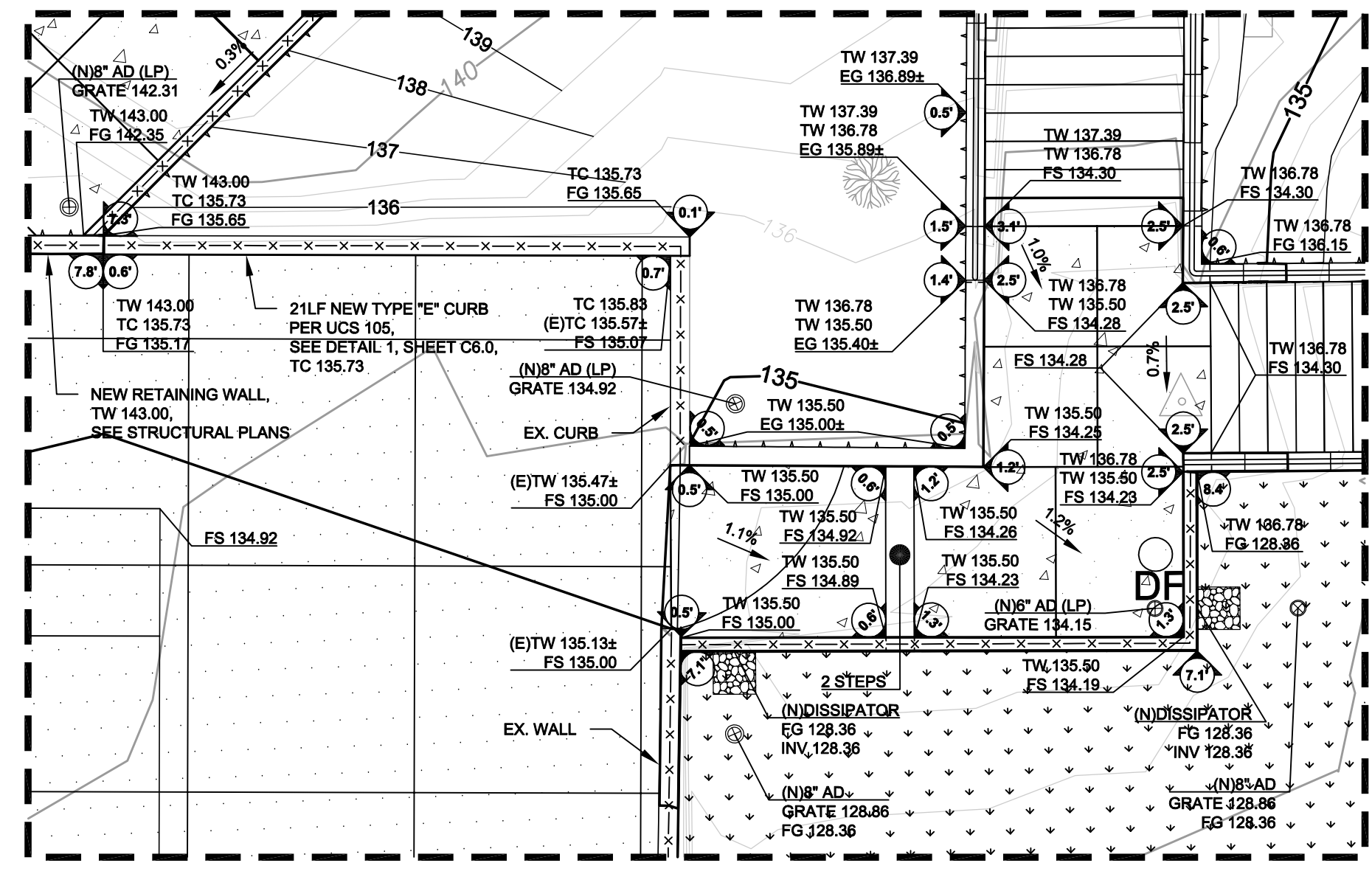


Sheet C4.0

Scale: 1" = 10' Date: 2/18/2020 Project Number: 4.1213.00 Plan File: D-5472-05



ALTERNATE #1 FOR BID ALTERNATE #1, SEE SHEET C4.3



1 ENLARGEMENT DETAIL SCALE: 1" = 5'

LEGEND

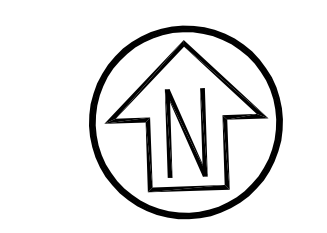
- NEW BIORETENTION AREA
NEW SPORTS ATHLETIC COURT
NEW PEDESTRIAN CONCRETE PATH
NEW PLAYGROUND CONCRETE RAT SLAB. FINISHED SURFACE TO BE INSTALLED BY OTHERS.
NEW WALL HEIGHT (DECIMAL FEET)

GRADING QUANTITIES

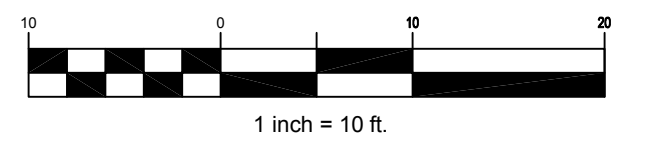
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FILL: 353 CUBIC YARDS
NET: 27 CUBIC YARDS <CUT>

NOTES

- 1. FOR ALL CORING THROUGH WALLS FOR UTILITY CROSSINGS, VOIDS SHALL BE PLUGGED WITH HIGH STRENGTH NON SHRINK GROUT.
2. PROPOSED FINISH GRADE IS DEFINED AS THE FINAL GRADE AS INDICATED ON THE GRADING PLAN.



Graphic Scale (in feet)



Rev	Date	Description	Drawn	Checked
	2/18/2020	BID SET	JBD	RJS

**SOUTHVIEW PARK
 SITE WALL PLAN
 APN: 065-234-01**

City Of Sausalito
 County Of Marin
 State Of California

Prepared Under the Direction of:



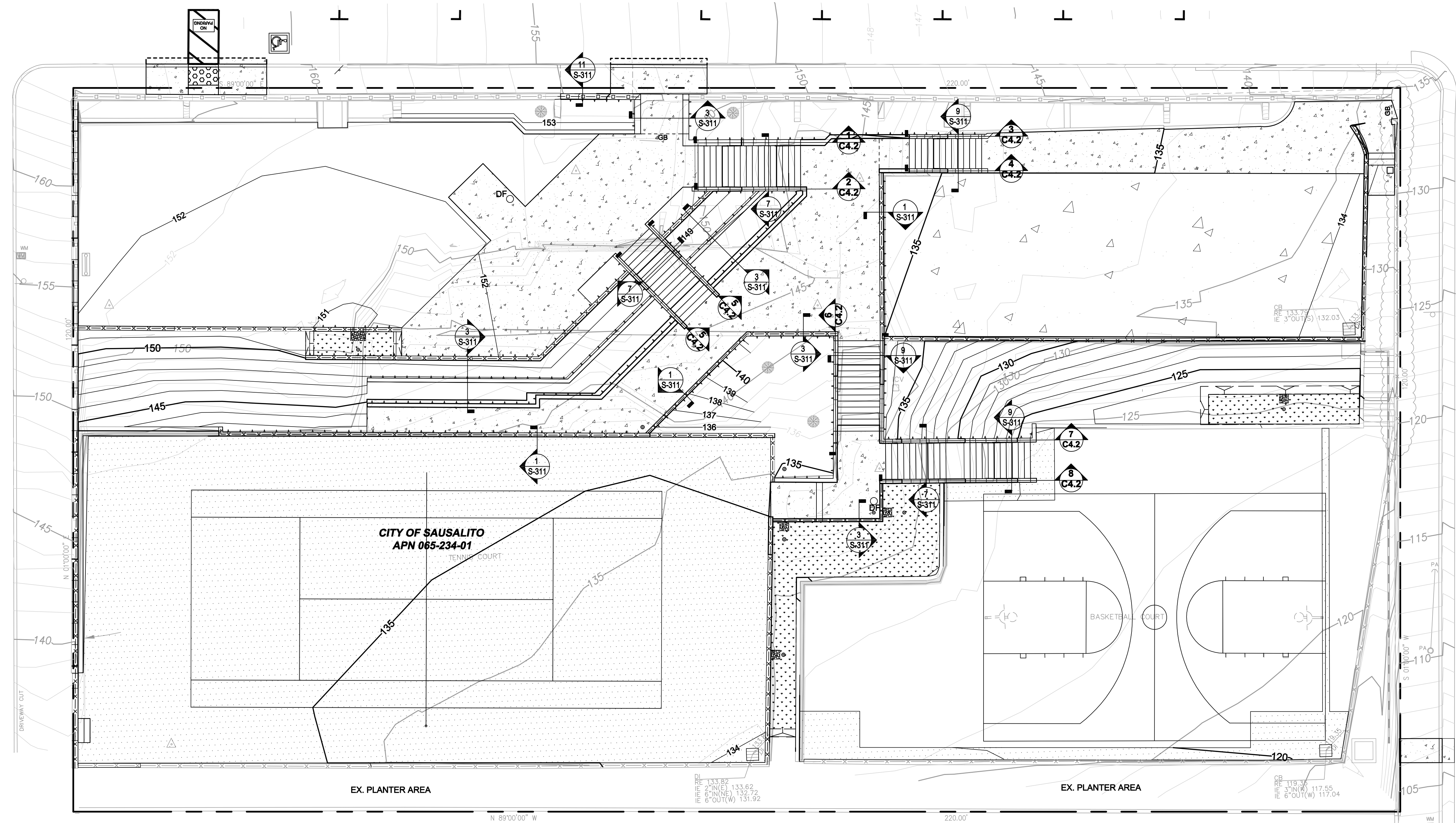
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Date:	2/18/2020
Project Number:	4.1213.00
Plan File:	D-5472-06

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FOURTH STREET

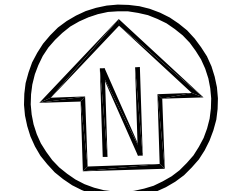
THIRD STREET

NORTH STREET

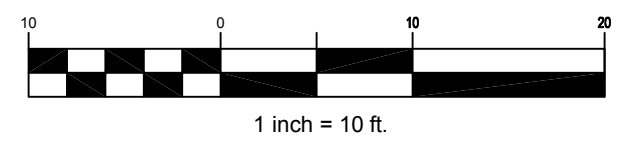


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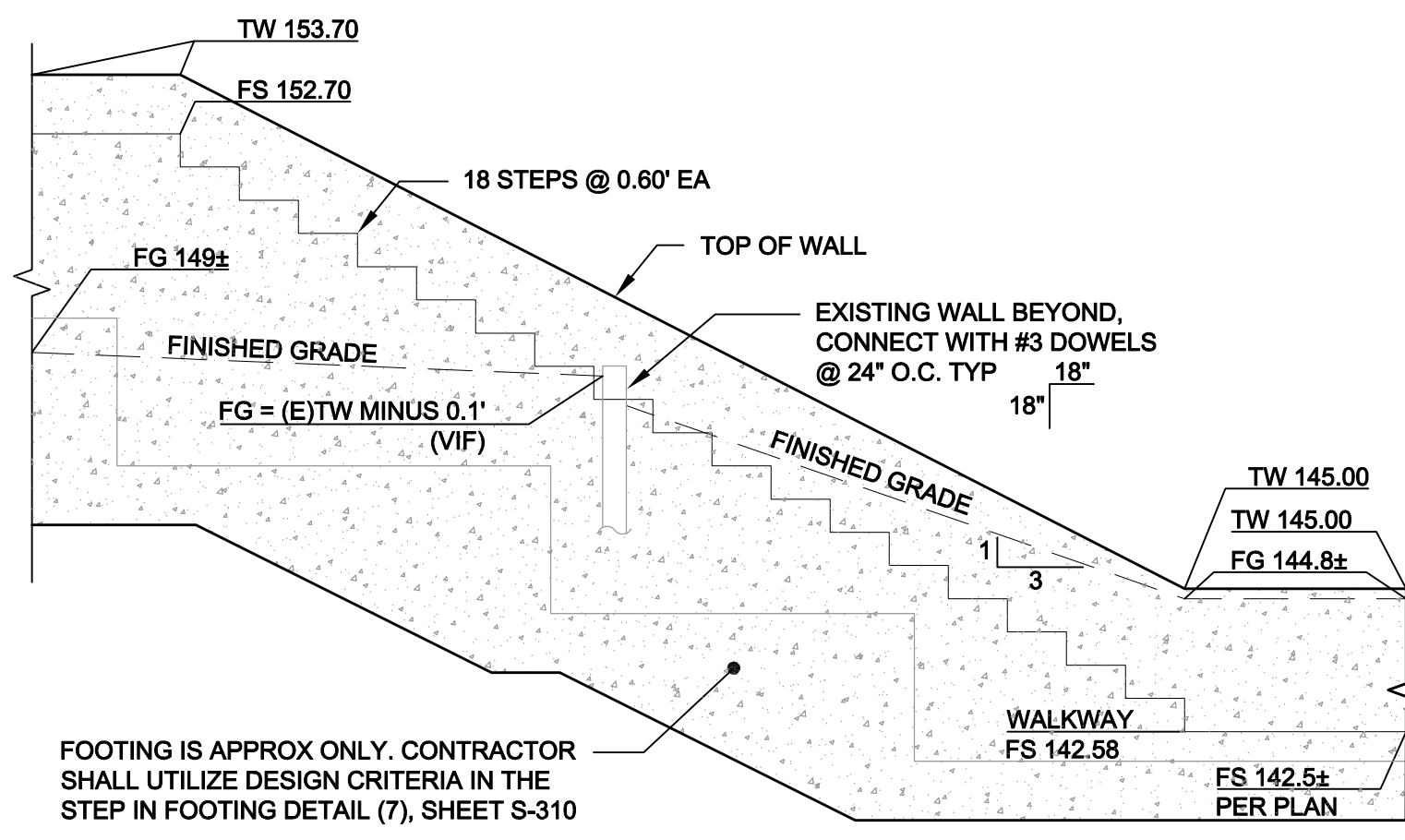
- NEW BIORETENTION AREA
- NEW SPORTS ATHLETIC COURT
- NEW PEDESTRIAN CONCRETE PATH
- NEW PLAYGROUND CONCRETE RAT SLAB. FINISHED SURFACE TO BE INSTALLED BY OTHERS.



Graphic Scale (in feet)

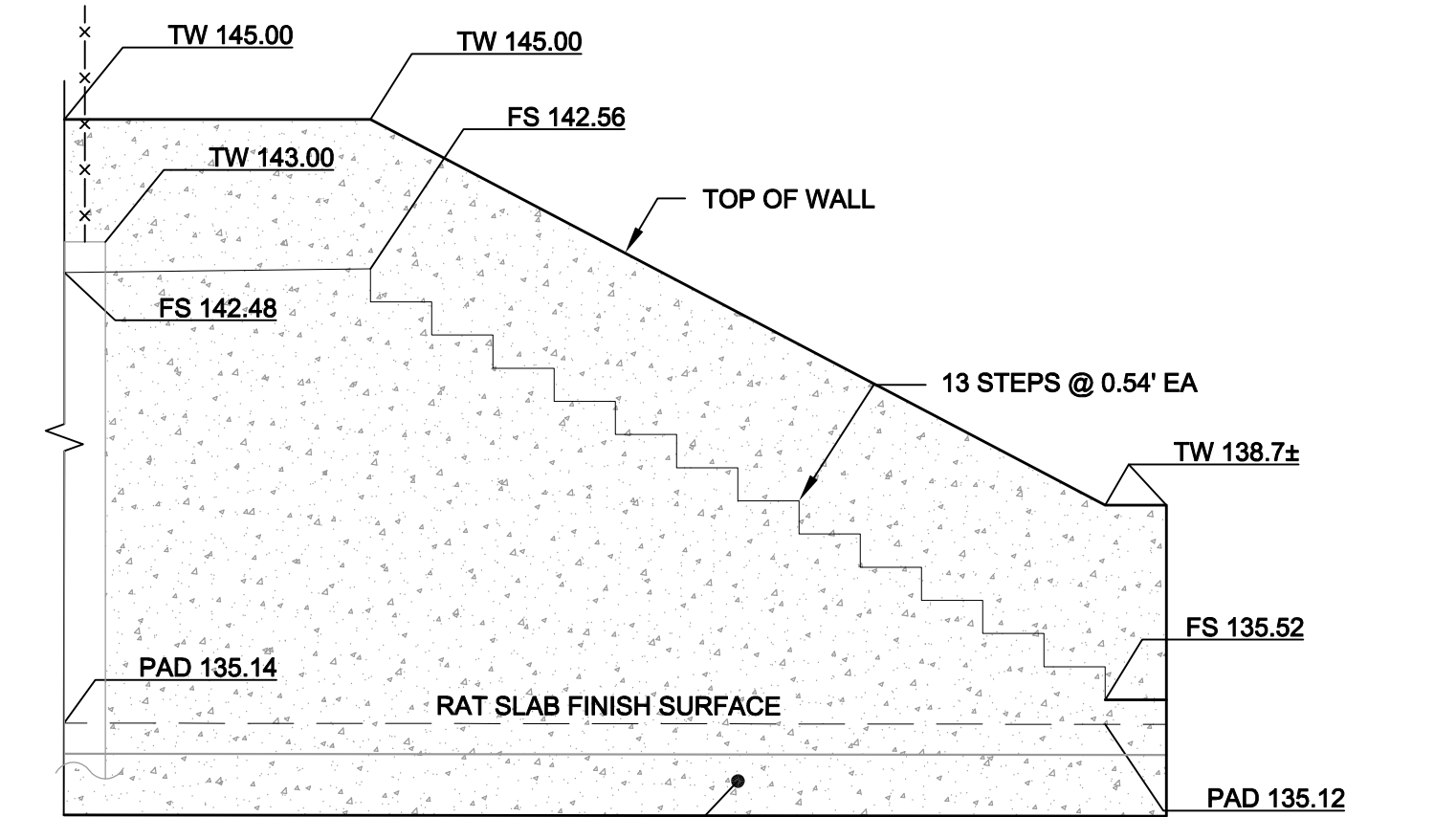


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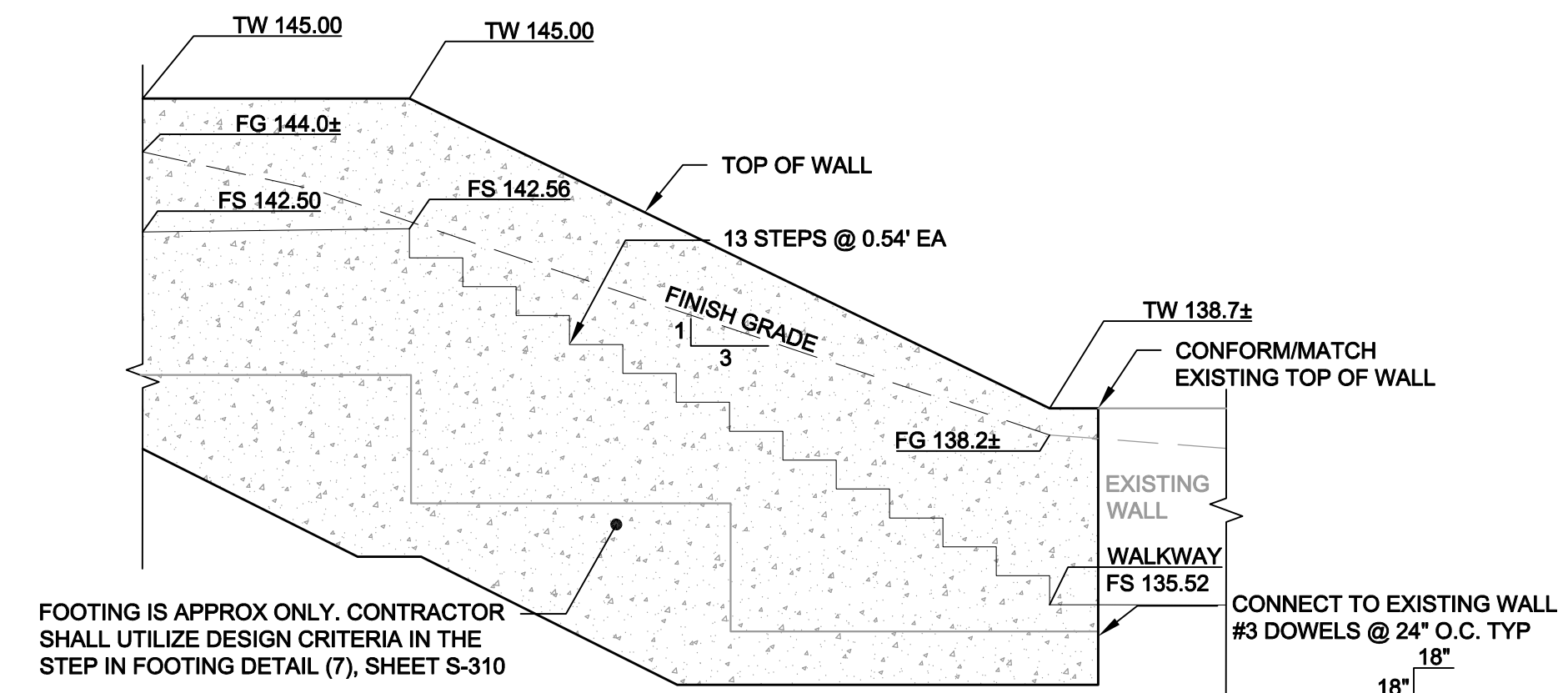
1 WALL PROFILE

SCALE: 1" = 3' (V) AND (H)



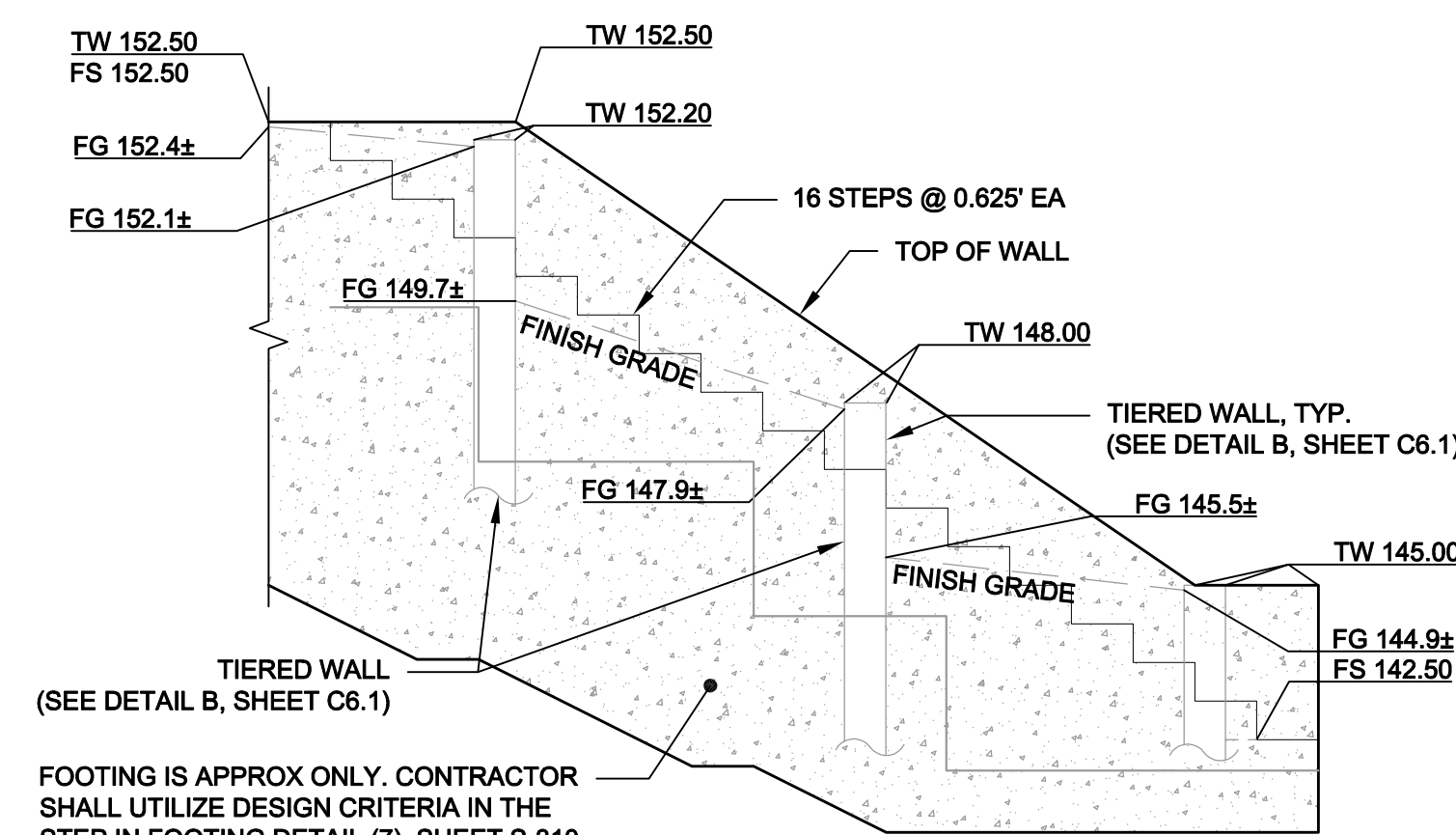
2 WALL PROFILE

SCALE: 1" = 3' (V) AND (H)



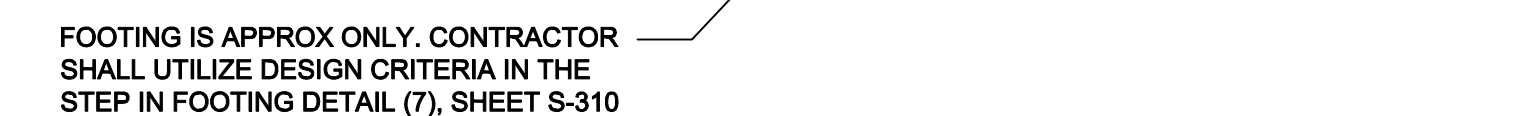
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SCALE: 1" = 3' (V) AND (H)



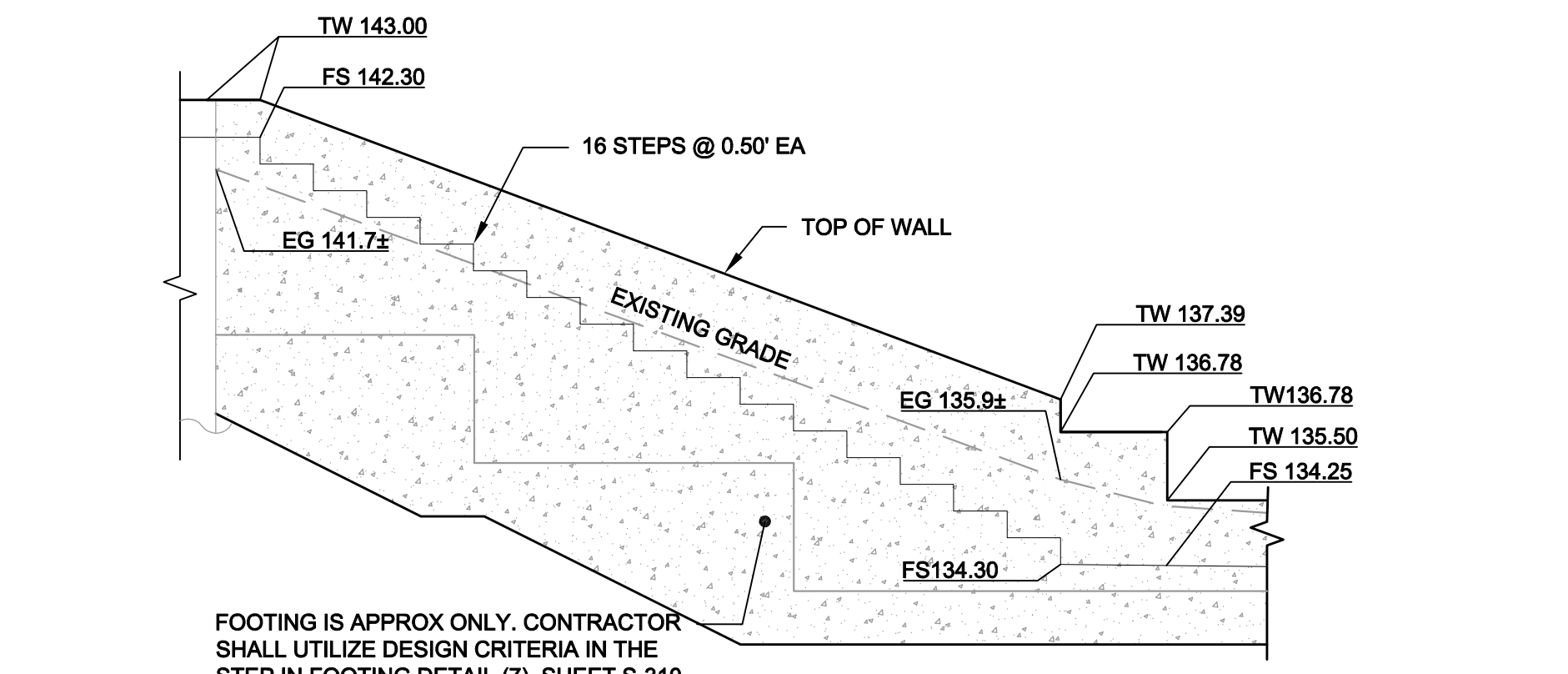
5 WALL PROFILE

SCALE: 1" = 3' (V) AND (H)



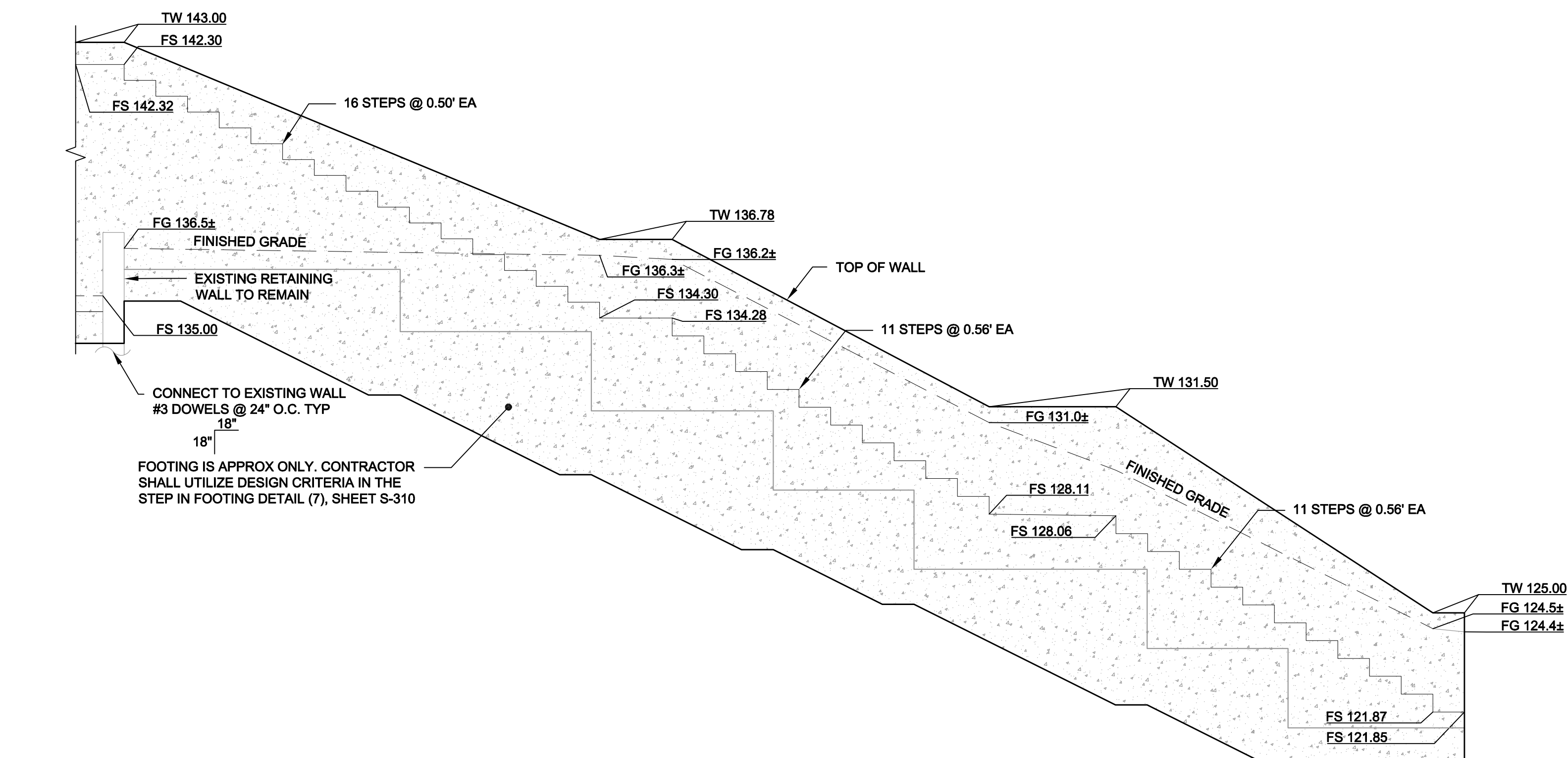
4 WALL PROFILE

SCALE: 1" = 3' (V) AND (H)



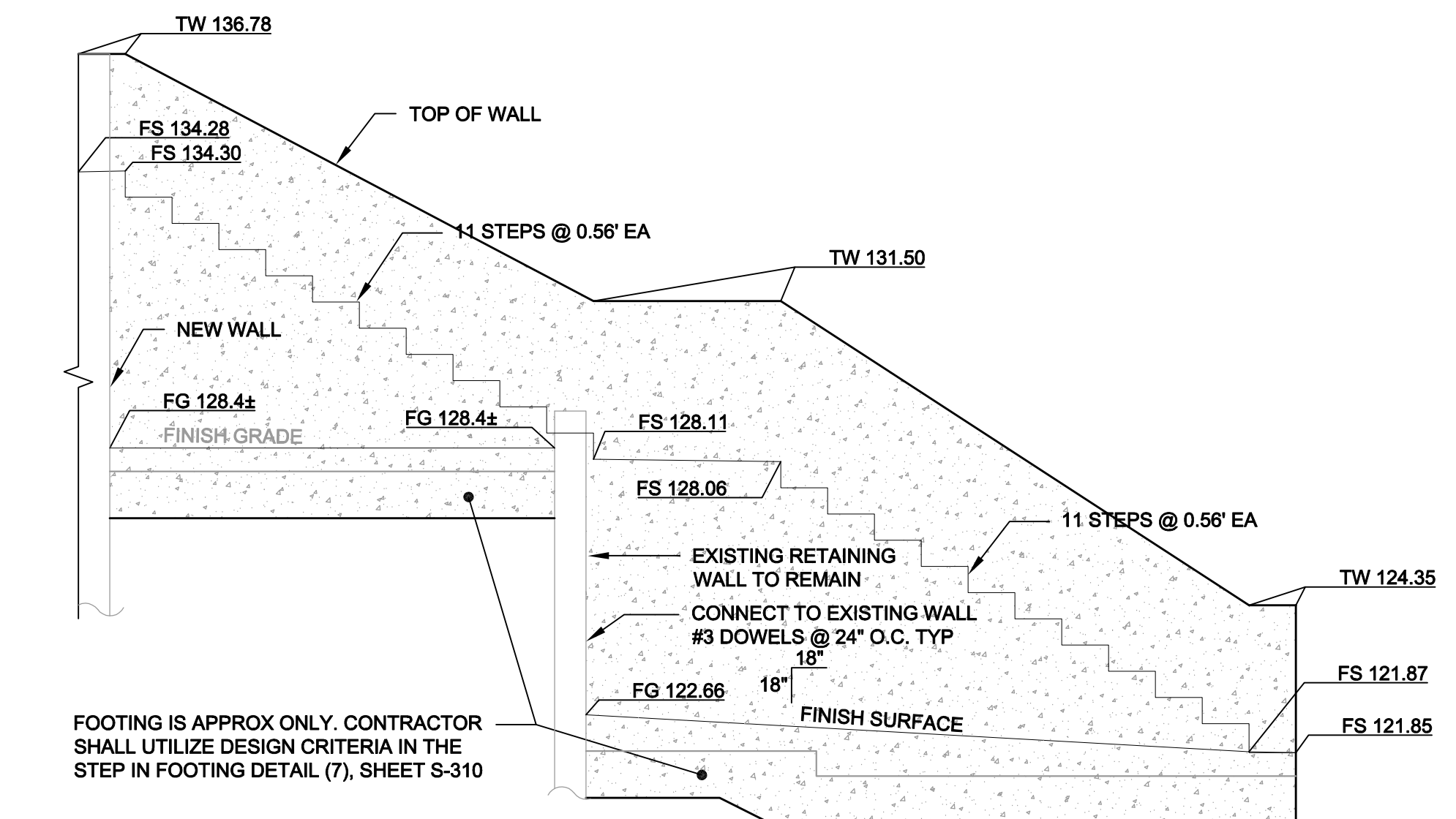
6 WALL PROFILE

SCALE: 1" = 3' (V) AND (H)



7 WALL PROFILE

SCALE: 1" = 3' (V) AND (H)



8 WALL PROFILE

SCALE: 1" = 3' (V) AND (H)

NOTES

- ALL CONNECTIONS TO EXISTING WALLS SHALL BE DRILLED AND BONDED.
- NEW WORK SHALL MATCH EXISTING AS CLOSELY AS POSSIBLE IN FINISH, SCORING AND COLOR. FOR NEW INSTALLATIONS PLACED ADJACENT TO EXISTING, 2LB. DAVIS BLACK #8084 (OR EQUIVALENT) PER CUBIC YARD CONCRETE SHALL BE ADDED TO MIX.

Checked										RJS
Drawn										JBD
Designed										RJS
Description										
Date										BID SET
Rev										2/18/2020

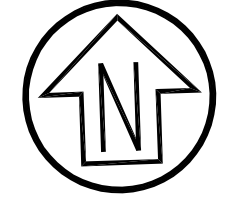
SOUTHVIEW PARK
STAIRWAY WALL PROFILES
APN: 065-234-01

City Of Sausalito
County Of Marin
State Of California

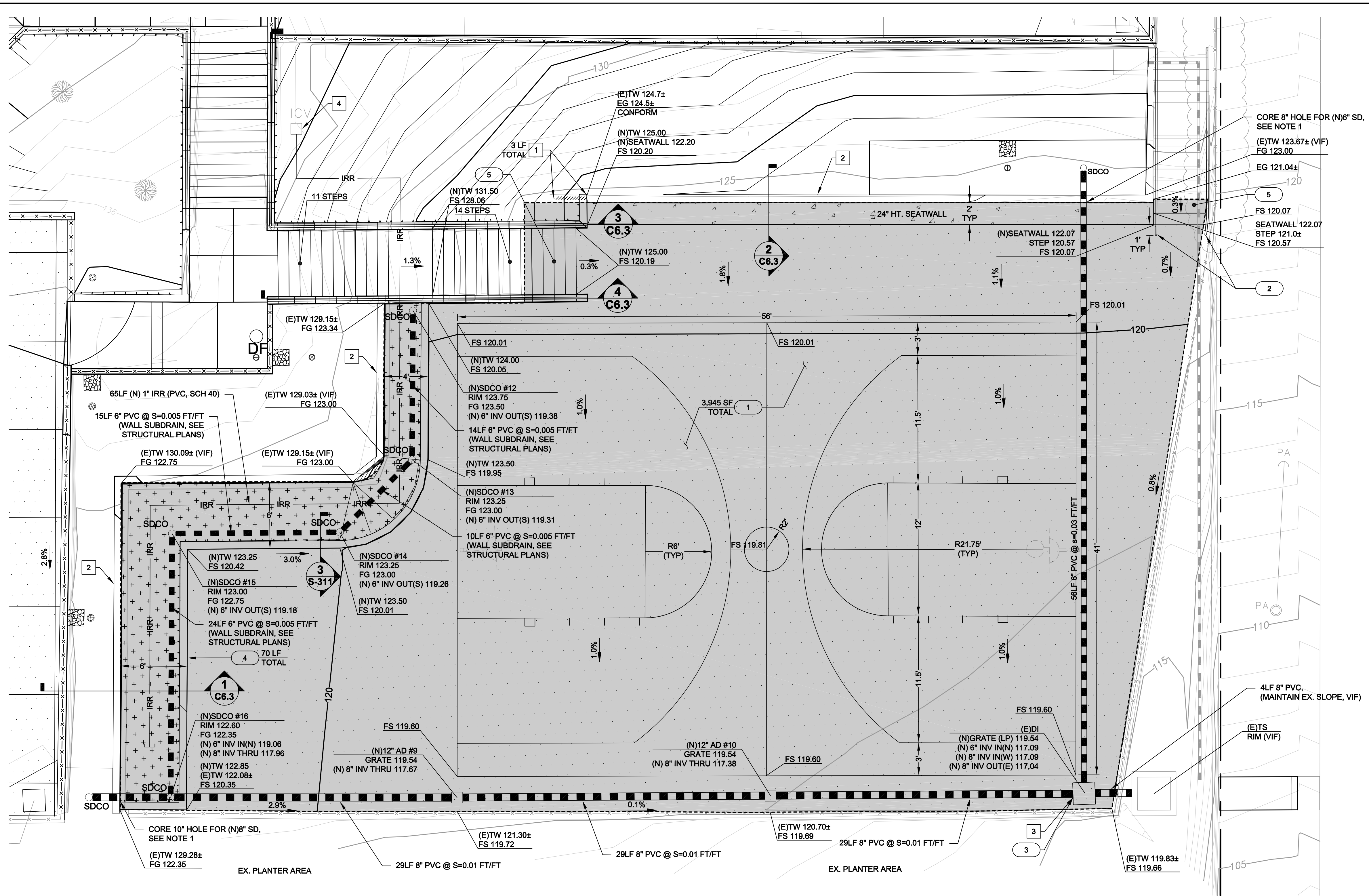
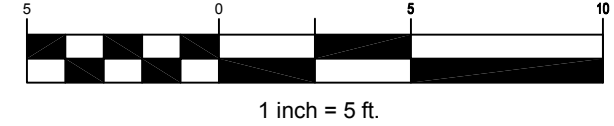
Prepared Under the Direction of:



Sheet	C4.2
Scale:	1" = 3'
Date:	2/18/2020
Project Number:	4.1213.00
Plan File:	D-5472-07



Graphic Scale (in feet)

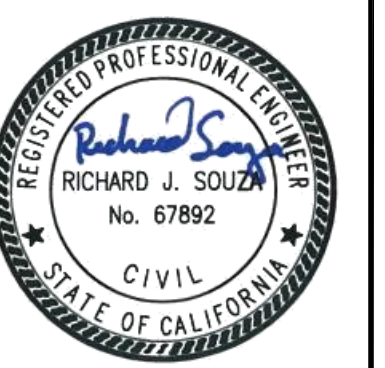


Checked	Drawn	Designed	Description	Date	Rev	BID SET	R.S.
				2/18/2020			JBD

**SOUTHVIEW PARK
BASKETBALL COURT (ALT 1)
COMPOSITE PLAN (ALT 1)
APN: 065-234-01**

City of Sausalito
County of Marin
State of California

Prepared Under the Direction of:



Sheet

C4.3

Scale: 1" = 5'

Date: 2/18/2020

Project Number: 4.1213.00

Plan File: D-5472-08

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1 GRADING & DRAINAGE DETAIL
SCALE: 1" = 5'

LEGEND

- LIMITS OF EXISTING BASKETBALL COURT (INCLUDING BASE ROCK) DEMOLITION
- EXTENTS OF EXISTING WALL DEMOLITION
- NEW LANDSCAPE AREA
- NEW SPORTS ATHLETIC COURT
- NEW SEATWALL (24" MAX. HEIGHT)

DEMOLITION KEYNOTES

- 1 REMOVE AND DISPOSE EXISTING WALL
- 2 EXISTING WALL TO REMAIN, PROTECT IN PLACE
- 3 PROTECT IN PLACE EXISTING STORM DRAIN STRUCTURE. REMOVE AND DISPOSE EXISTING GRATE.
- 4 PROTECT IN PLACE EXISTING IRRIGATION CONTROL VALVE

KEYNOTES

- 1 CONSTRUCT NEW BASKETBALL COURT AC PAVEMENT. SEE DETAIL 8, SHEET C6.0.
- 2 INSTALL NEW HANDRAILS FOR EXISTING STAIRWAY. SEE DETAIL 1 & 2, SHEET C6.1
- 3 ADJUST EXISTING STORM DRAIN STRUCTURE TO FINISHED GRADE. REMOVE AND DISPOSE OF EXISTING GRATE. INSTALL NEW ADA ACCESSIBLE GRATE OR APPROVED EQUAL.
- 4 CONSTRUCT NEW RETAINING WALL. SEE STRUCTURAL PLANS FOR RETAINING WALL DETAILS.
- 5 CONSTRUCT NEW CONCRETE STAIRWAY. SEE STRUCTURAL PLANS. CONSTRUCT NEW HANDRAILS, PER DETAIL 1 & 2, SHEET C6.1

DEMOLITION QUANTITIES

BASKETBALL COURT: 4,470 SQUARE FEET

GRADING QUANTITIES

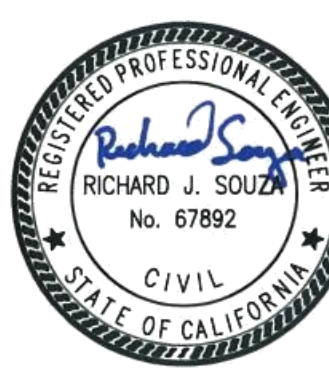
CUT: 330 CUBIC YARDS
FILL: 20 CUBIC YARDS
NET: 310 CUBIC YARDS <CUT>

NOTES

1. CONTRACTOR TO VERIFY IN FIELD EXISTING BOTTOM OF FOOTING. MAINTAIN 12" MIN. CLEAR FROM PIPE O.D. TO BOTTOM OF FOOTING. IF CORING IS REQUIRED THROUGH WALLS FOR UTILITY CROSSINGS, VOIDS SHALL BE PLUGGED WITH HIGH STRENGTH NON SHRINK GROUT, SUCH AS LINK SEAL OR EQUAL.
2. PROTECT IN PLACE EXISTING WATER AND IRRIGATION LINES. EXISTING WATER AND IRRIGATION MAY NEED TO BE RE-ROUTED TO ACCOMMODATE NEW IMPROVEMENTS.

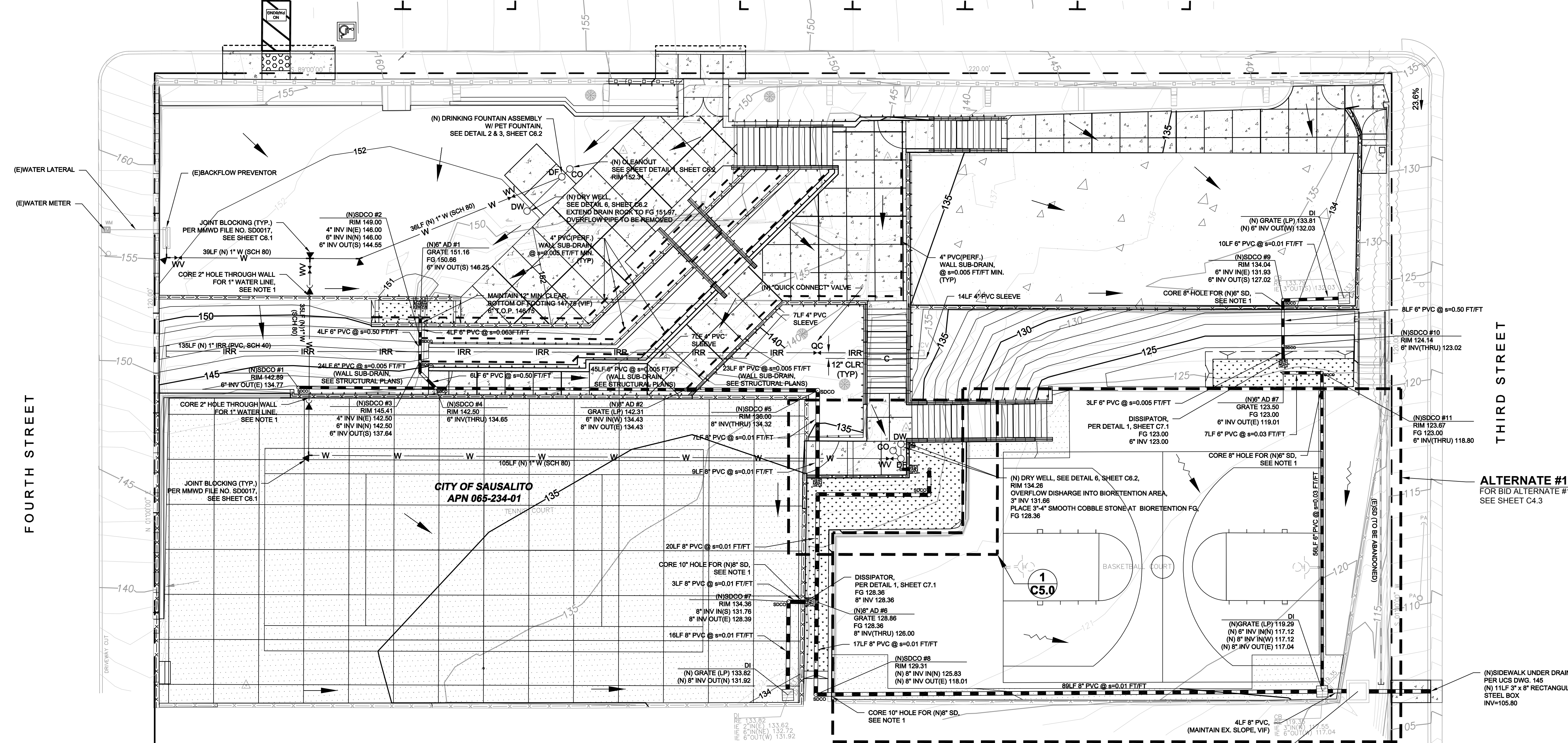
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Drawn						
Designed						
Description						
Date						
Rev						

**SOUTHVIEW PARK
UTILITY PLAN
APN: 065-234-01**

City Of Sausalito
County Of Marin
State Of California
Prepared Under the Direction of:


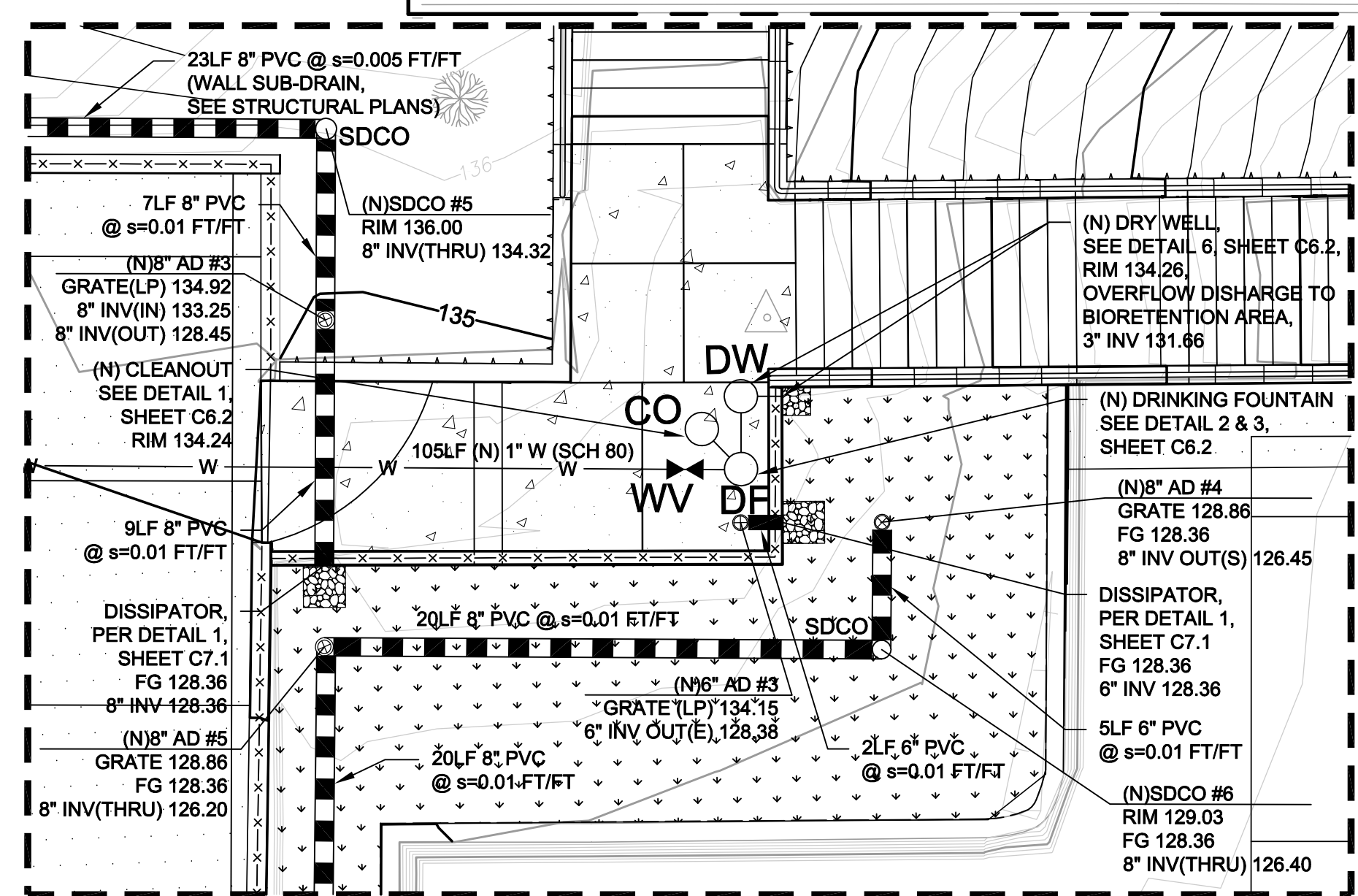
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Scale: 1" = 10'
Date: 2/18/2020
Project Number: 4.1213.00
Plan File: D-5472-09

NORTH STREET



ALTERNATE #1
FOR BID ALTERNATE #1,
SEE SHEET C4.3

(N)SIDEWALK UNDER DRAIN
PER UCS DWG. 145
(N) 11LF 3" x 8" RECTANGULAR
STEEL BOX
INV=105.80



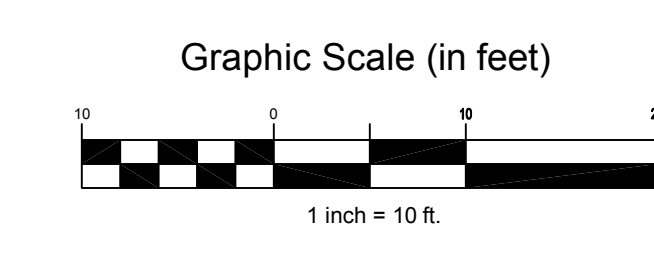
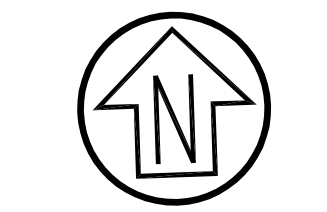
1 ENLARGEMENT DETAIL
SCALE: 1" = 5'

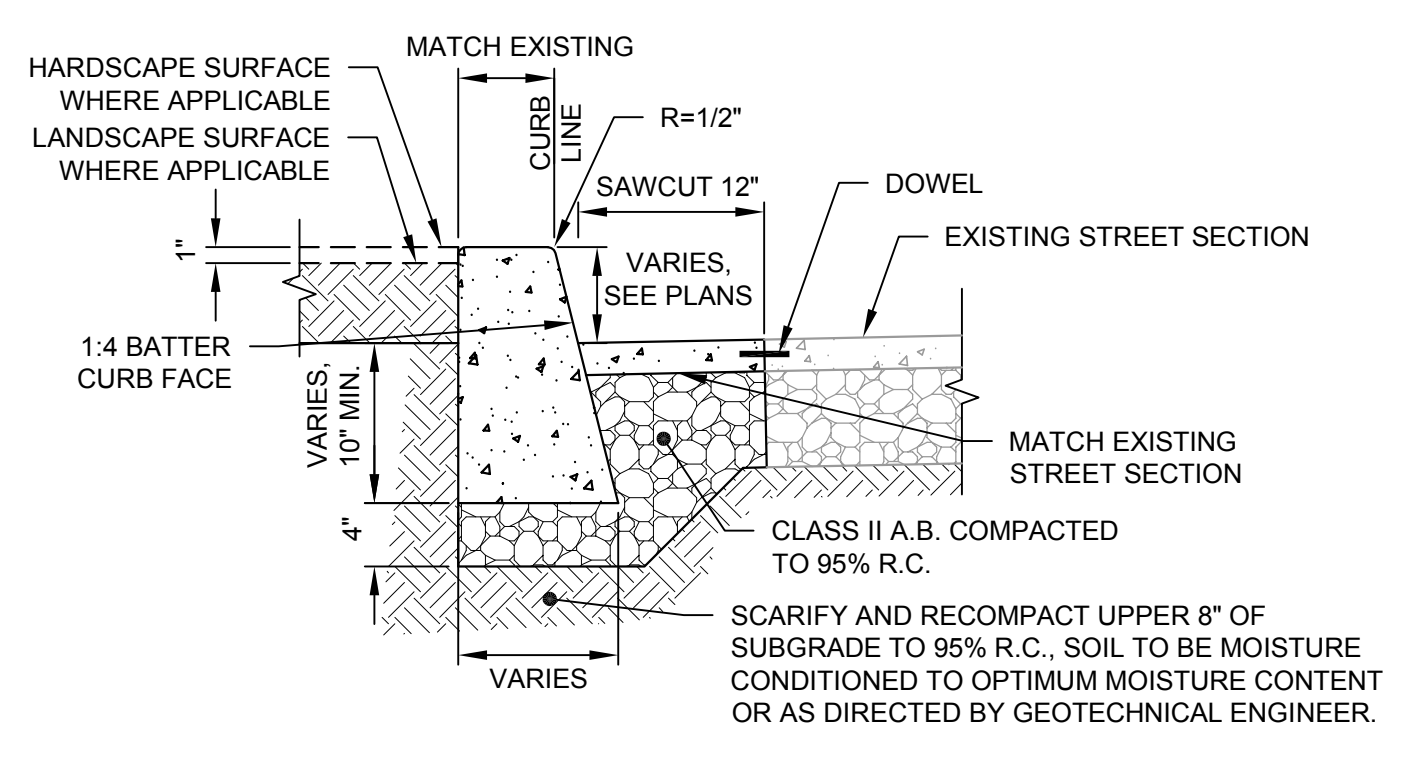
LEGEND

EXISTING		PROPOSED
N/A	BIORETENTION AREA	
	STORM DRAIN	
	STORM DRAINAGE - AREA DRAIN	
	STORM DRAINAGE - CLEANOUT	
	IRRIGATION	
	WATER	
	WATER METER	
	WATER VALVE	
	JOINT BLOCKING	
	WATER FITTING - VERTICAL BEND	
	DIRECTION OF FLOW OR SLOPE	

NOTES

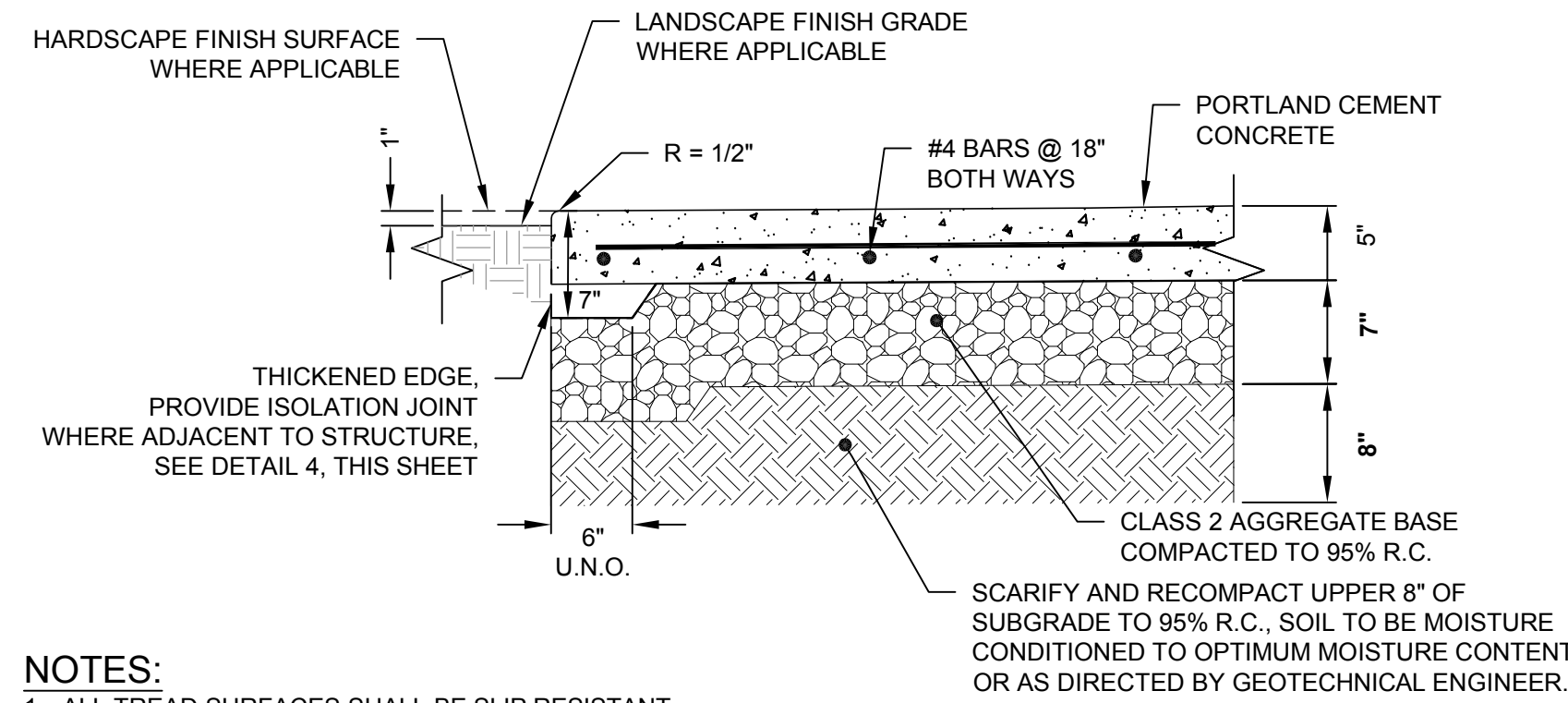
- CONTRACTOR TO VERIFY IN FIELD EXISTING BOTTOM OF FOOTING. MAINTAIN 12" MIN. CLEAR FROM PIPE O.D. TO BOTTOM OF FOOTING. IF CORING IS REQUIRED THROUGH WALLS FOR UTILITY CROSSINGS, VOIDS SHALL BE PLUGGED WITH HIGH STRENGTH NON SHRINK GROUT, SUCH AS LINK SEAL OR EQUAL.
- PROTECT IN PLACE EXISTING WATER AND IRRIGATION LINES. EXISTING WATER AND IRRIGATION MAY NEED TO BE RE-ROUTED TO ACCOMMODATE NEW IMPROVEMENTS.





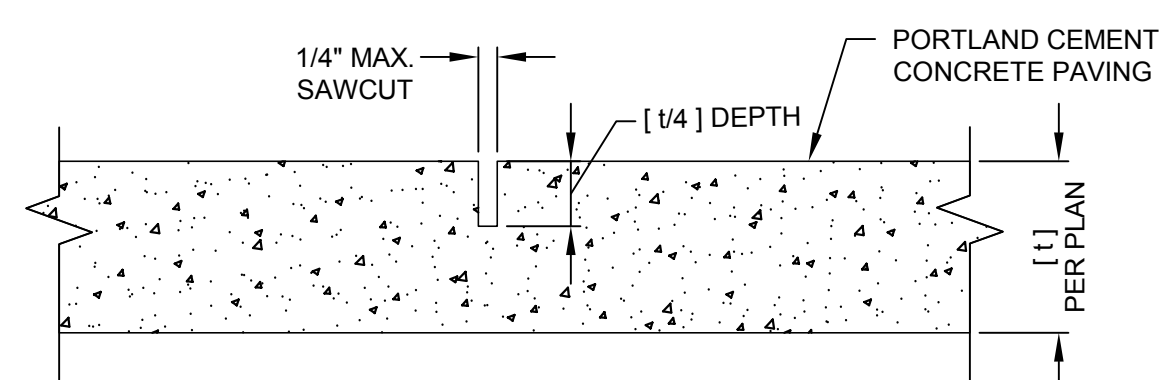
NOTES: 1. WHERE CONCRETE WALK IS ADJACENT TO CURB, PROVIDE ISOLATION JOINT BETWEEN WALK AND BACK OF CURB.

1 STANDARD TYPE "E" CONCRETE CURB SCALE: 1" = 1'

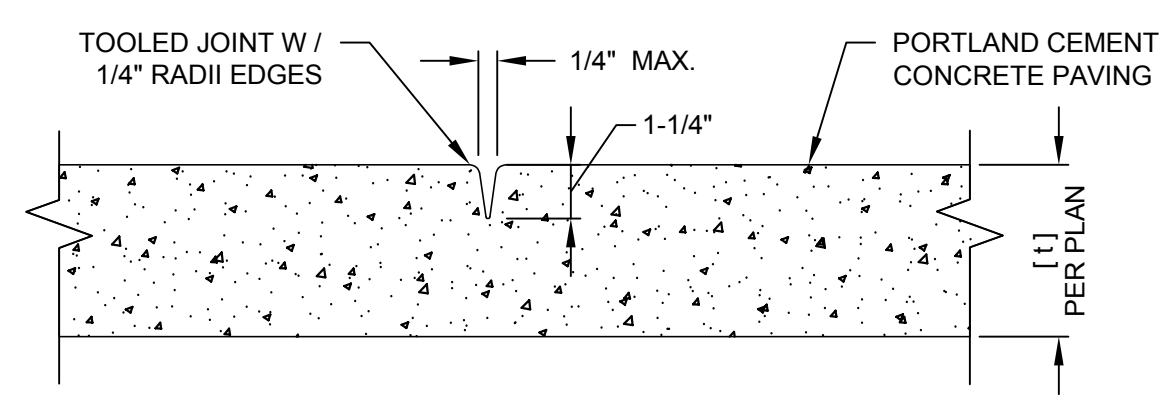


NOTES: 1. ALL TREAD SURFACES SHALL BE SLIP RESISTANT. 2. NEW WORK SHALL MATCH EXISTING AS CLOSELY AS POSSIBLE IN FINISH, SCORING AND COLOR.

2 PEDESTRIAN CONCRETE SECTION SCALE: 1" = 1'



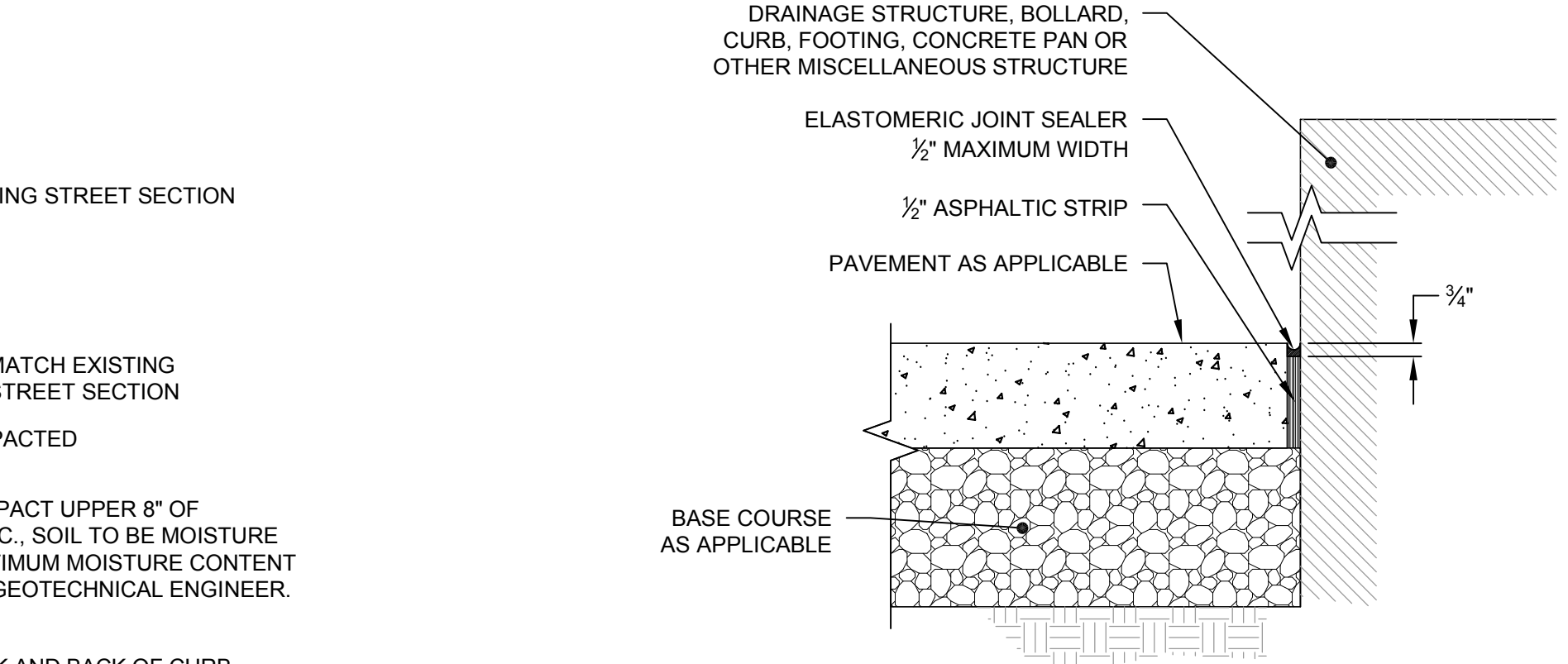
SAWCUT CONTROL JOINT



TOOLED CONTROL JOINT

NOTES: 1. CONTROL JOINTS SHALL BE CONSTRUCTED EVERY 5' O.C. 2. CONSTRUCT CONTROL JOINTS WITHIN 24 HOURS OF POUR.

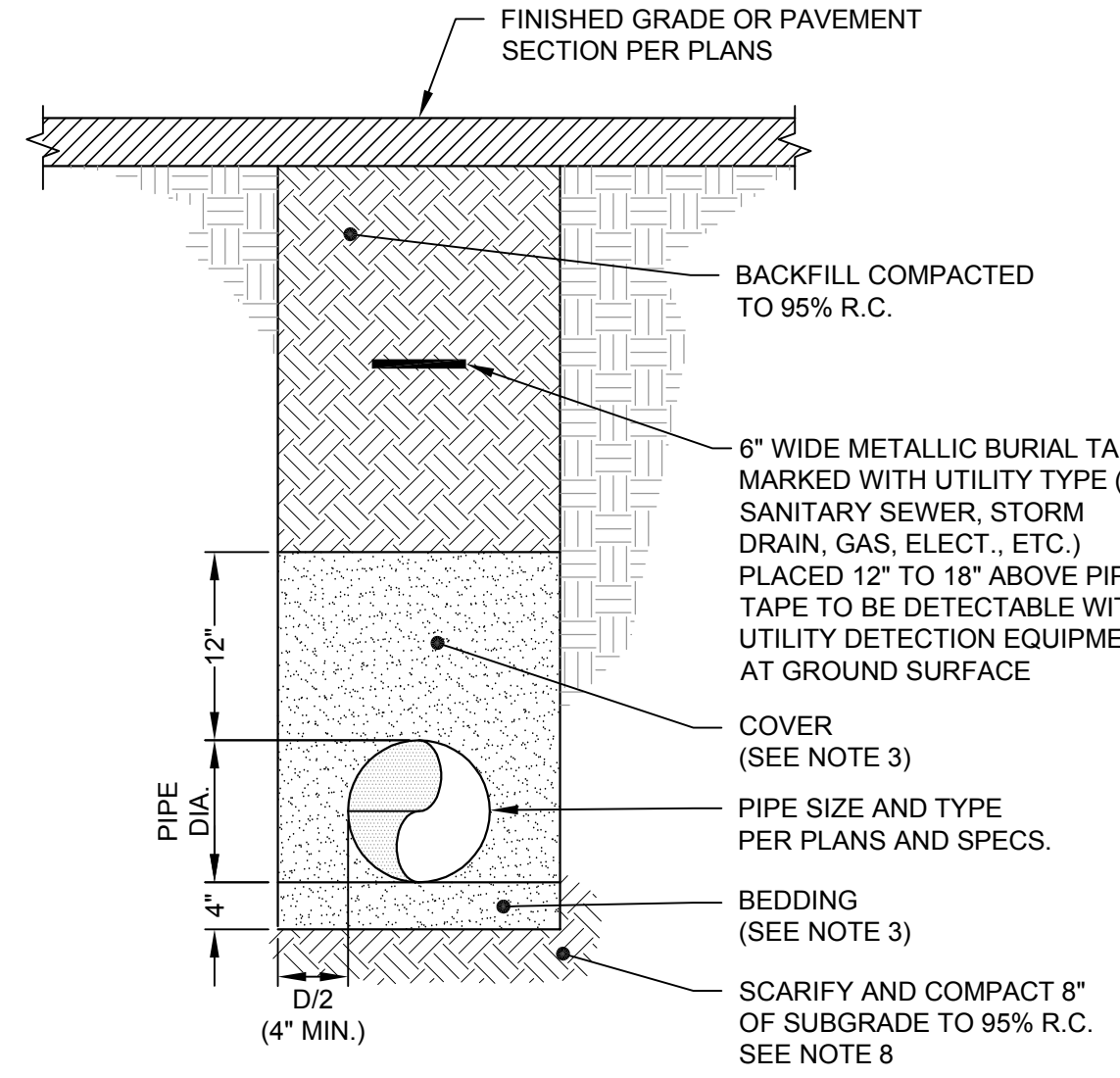
3 CONTROL JOINT FOR PEDESTRIAN CONCRETE PAVEMENT SCALE: 1" = 1'



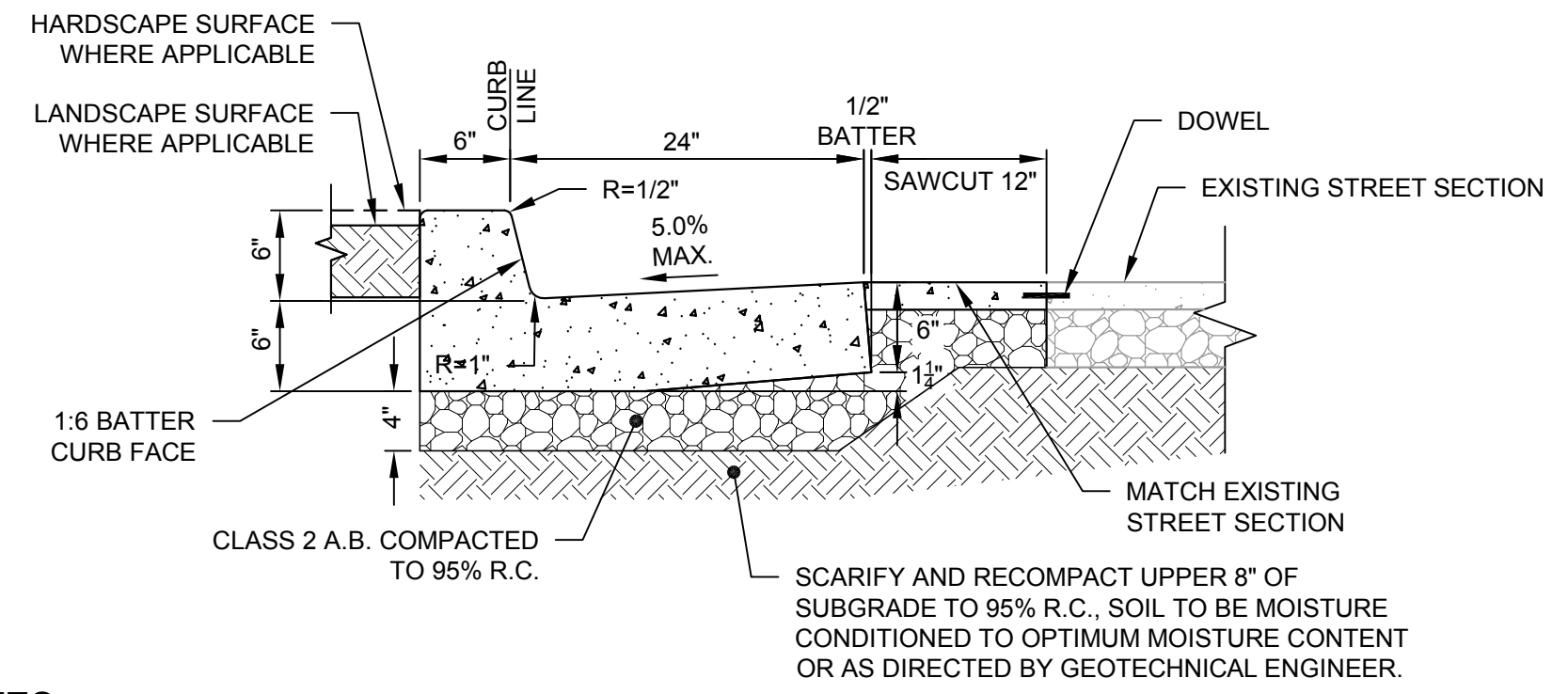
NOTE: 1. REFER TO APPROPRIATE PAVEMENT DETAIL FOR INFORMATION ON PAVEMENT SECTION AND SUBGRADE PREPARATION.

4 ISOLATION JOINT AT STRUCTURE SCALE: 1" = 1'

NOTES: 1. UTILITY TRENCH CONSTRUCTION SHALL CONFORM TO THE RECOMMENDATIONS OF THE GEOTECHNICAL REPORT.

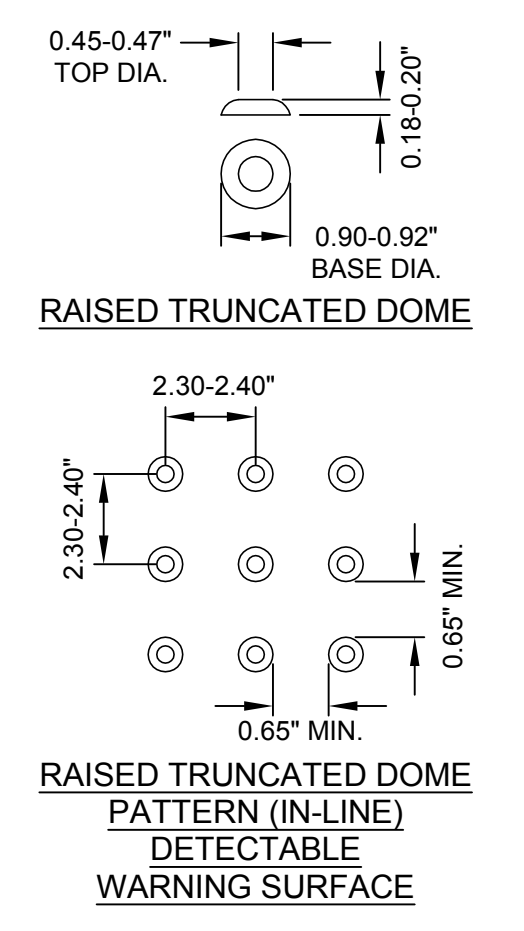


5 TYPICAL PIPE TRENCH DETAIL SCALE: 1" = 1'



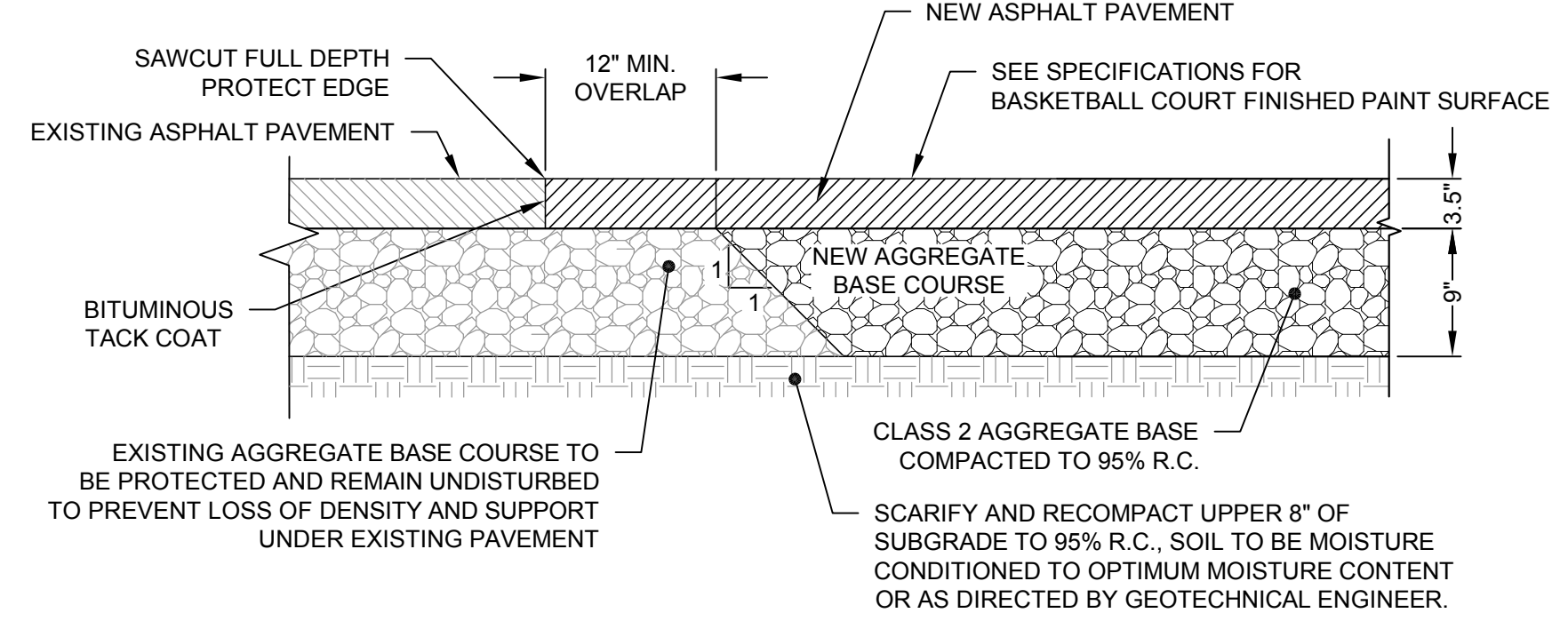
NOTES: 1. WHERE CONCRETE WALK IS ADJACENT TO CURB, PROVIDE ISOLATION JOINT BETWEEN WALK AND BACK OF CURB.

6 STANDARD TYPE "A" CONCRETE CURB WITH GUTTER SCALE: 1" = 1'



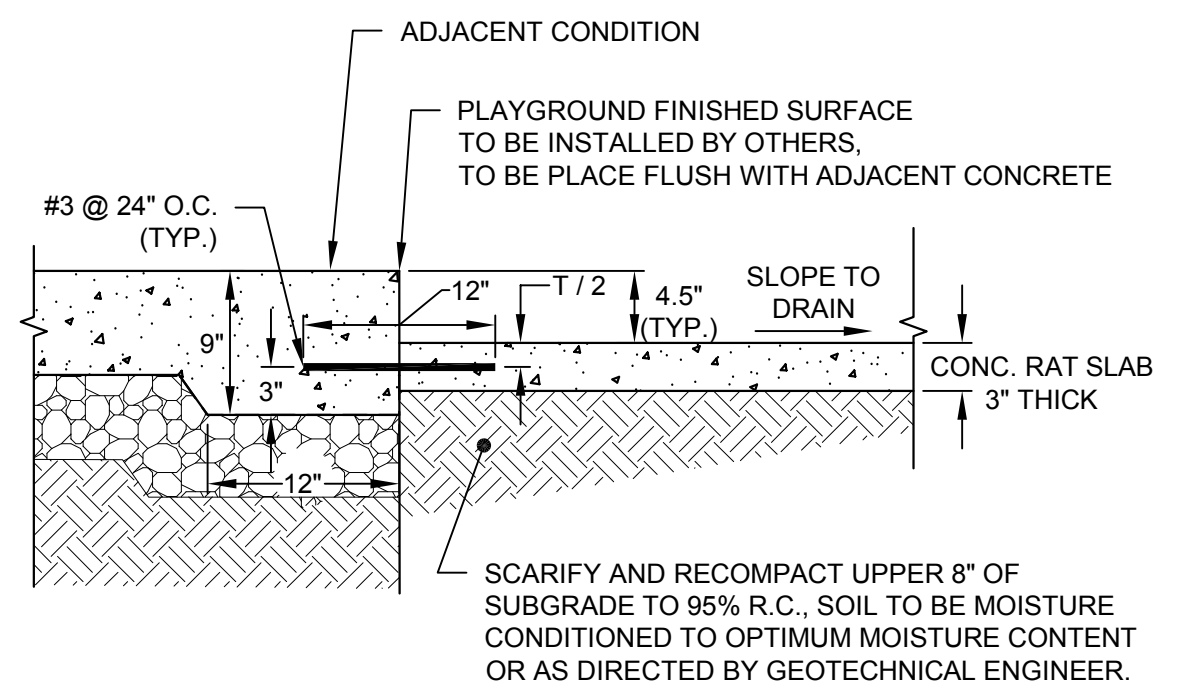
NOTES: 1. CURB RAMPS SHALL HAVE A DETECTABLE WARNING SURFACE THAT EXTENDS THE FULL WIDTH AND 3'-0" DEPTH OF THE RAMP.

7 DETECTABLE WARNING SURFACE SCALE: NTS



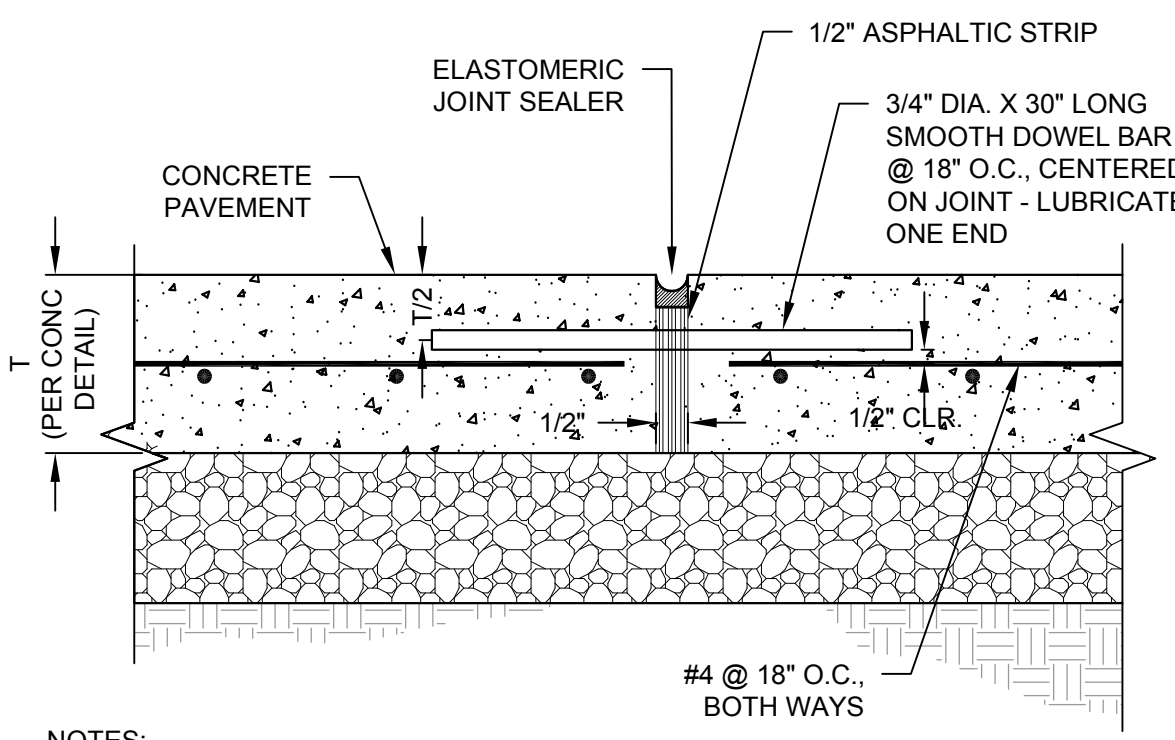
NOTES: 1. DRAIN TOWARD EXISTING BASKETBALL COURT DRAIN. SEE GRADING PLAN, SHEET C4.0.

8 BASKETBALL COURT AC PAVEMENT SECTION SCALE: 1" = 1'



NOTES: 1. GEOTECHNICAL ENGINEER TO OBSERVE SOIL CONDITIONS PRIOR TO THE POURING OF CONCRETE.

9 PLAYGROUND CONCRETE RAT SLAB SCALE: 1" = 1'



NOTES: 1. REFER TO APPROPRIATE CONCRETE PAVEMENT DETAILS FOR THICKNESS OF PAVEMENT, AGGREGATE BASE, COMPACTION REQUIREMENTS AND SUBGRADE PREPARATION.

10 EXPANSION JOINT FOR CONCRETE PAVEMENT SCALE: NTS

Table with columns: Checked, Drawn, Designed, Description, Date, Rev, BID SET. Includes project name and APN.

SOUTHVIEW PARK NOTES & DETAILS APN: 065-234-01

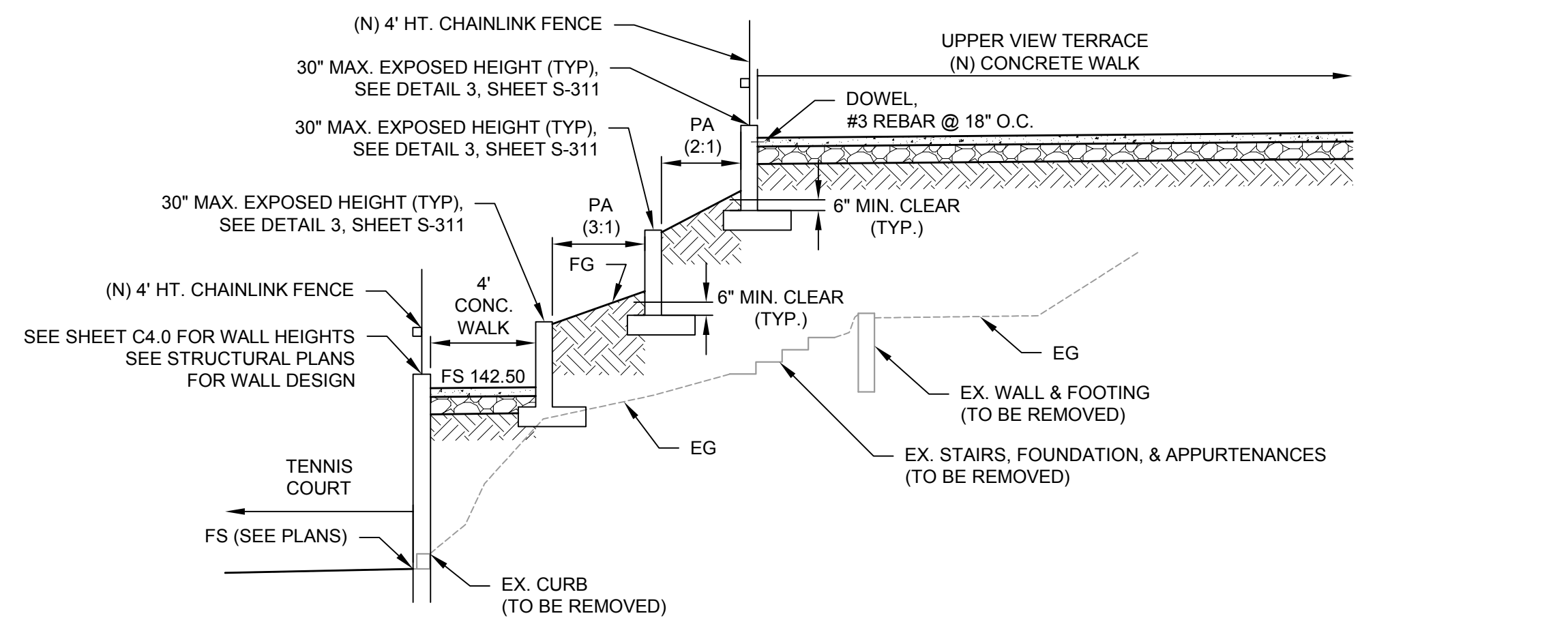
City Of Sausalito, County Of Marin, State Of California



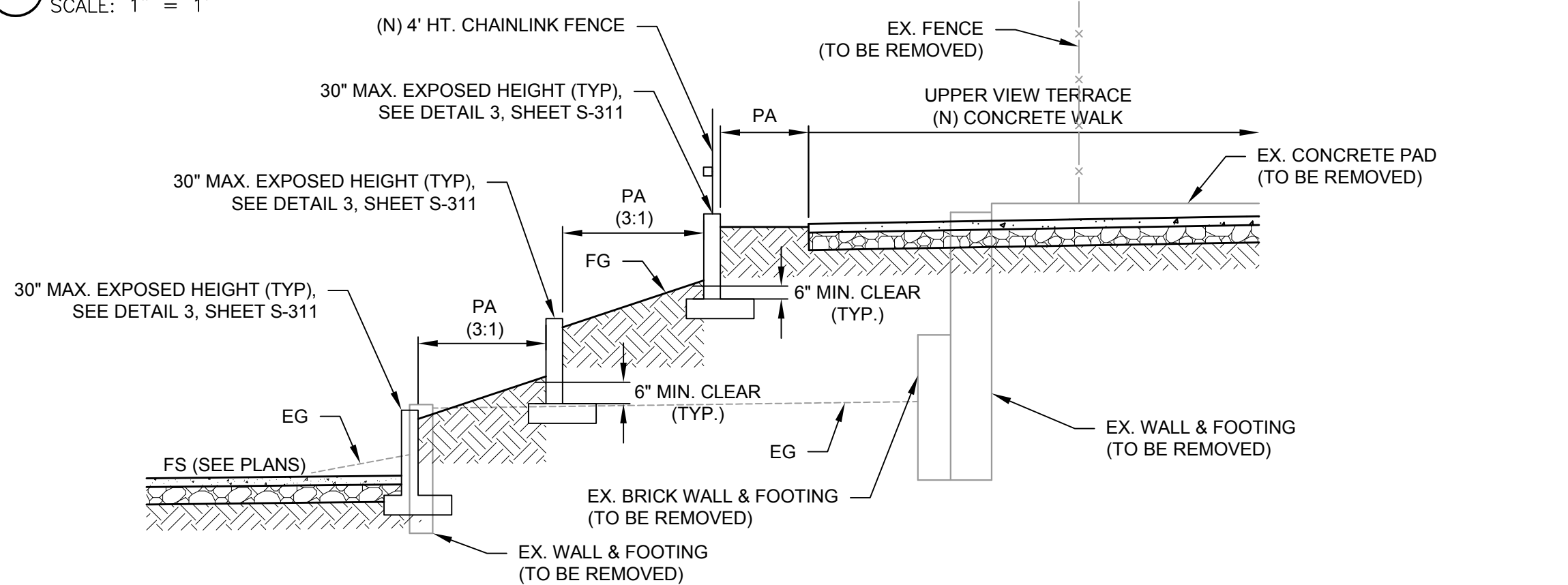
Sheet C6.0

Table with columns: Scale, Date, Project Number, Plan File.

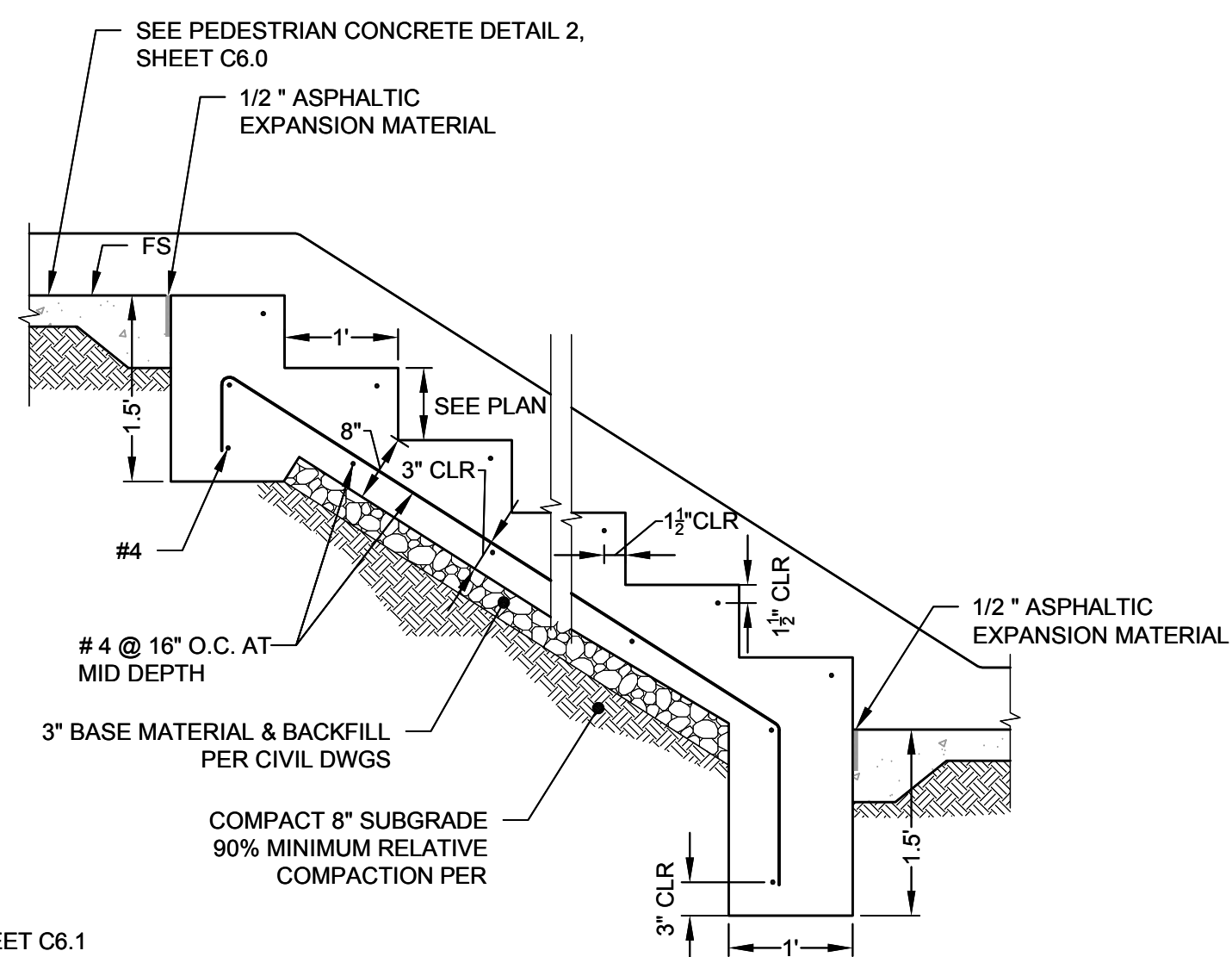
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A SECTION DETAIL
SCALE: 1" = 1'

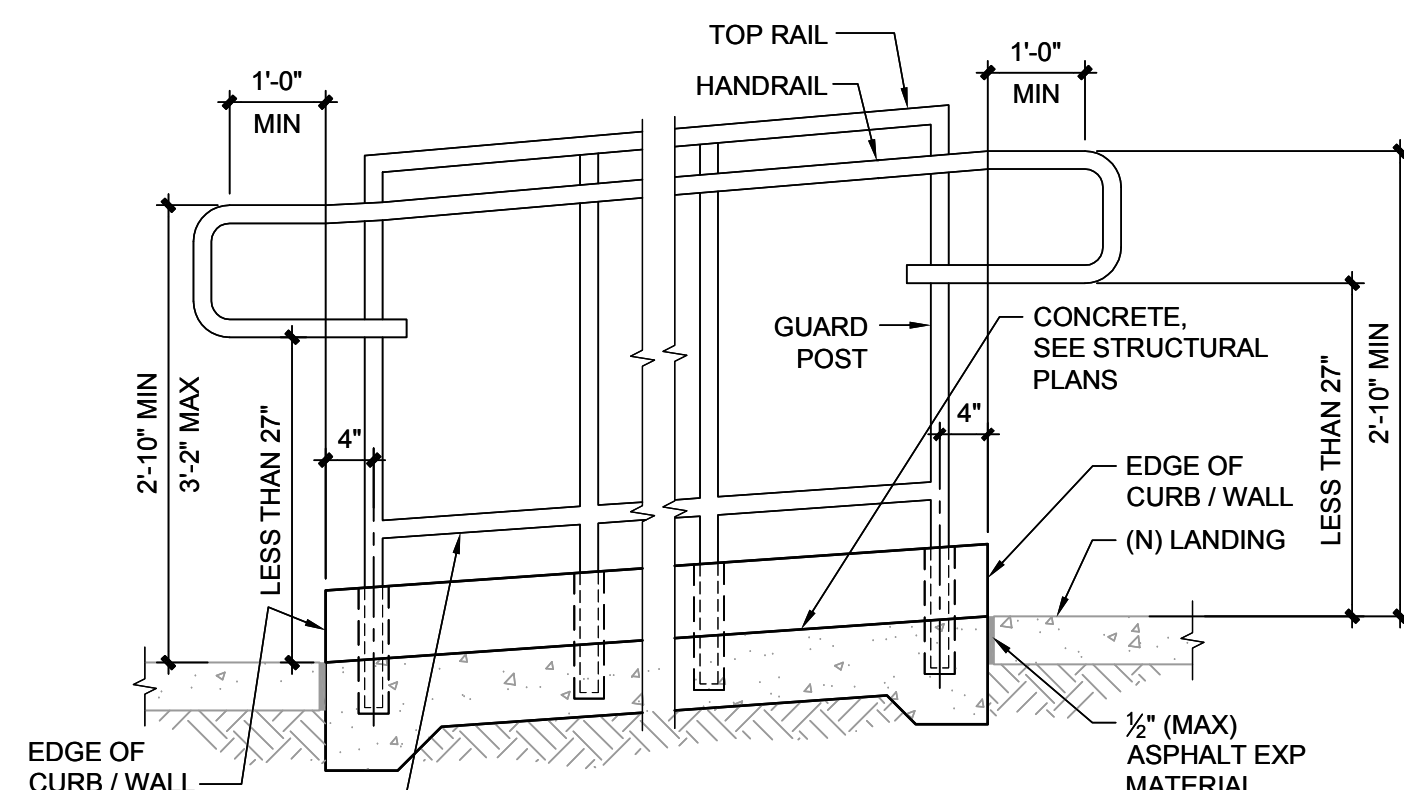


B SECTION DETAIL
SCALE: 1" = 1'

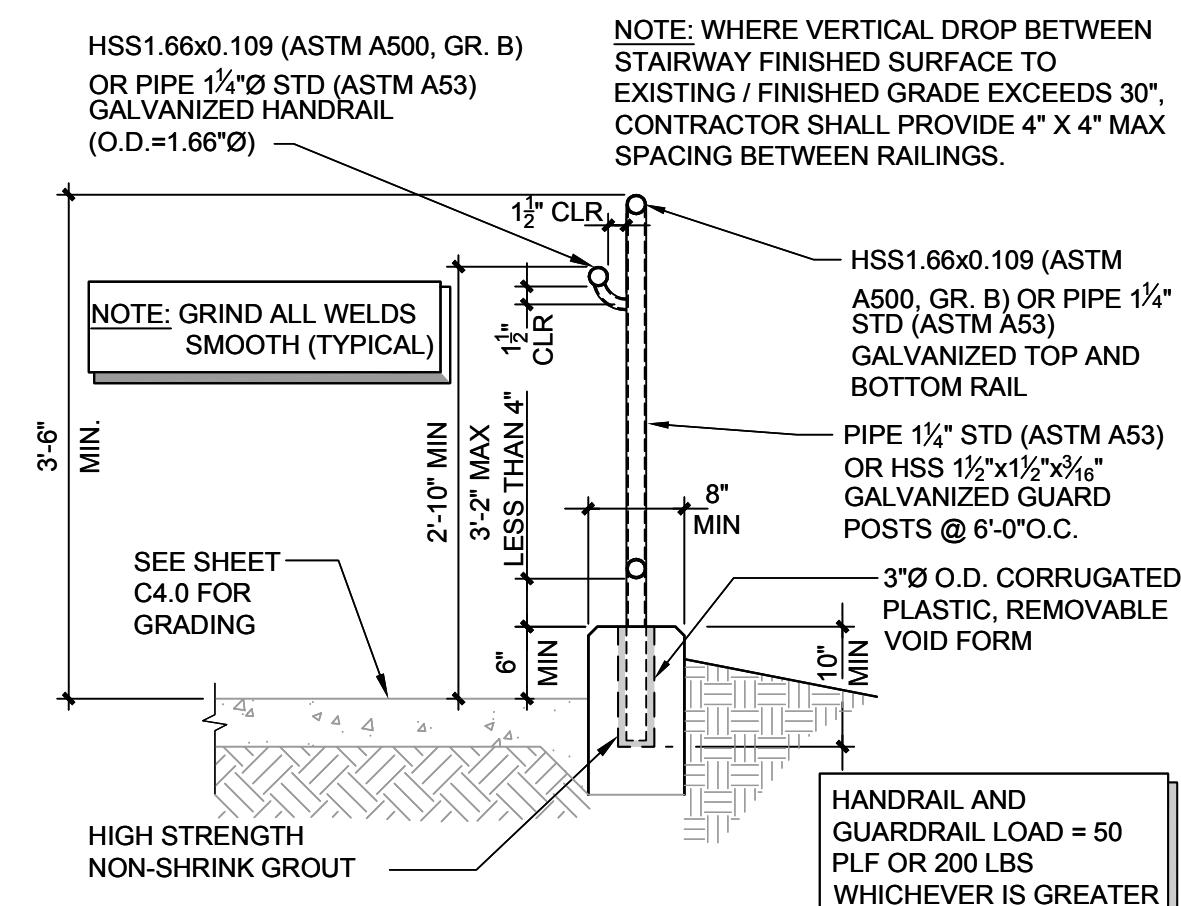


NOTE:
SEE HAND RAIL DETAILS 1 & 2, SHEET C6.1

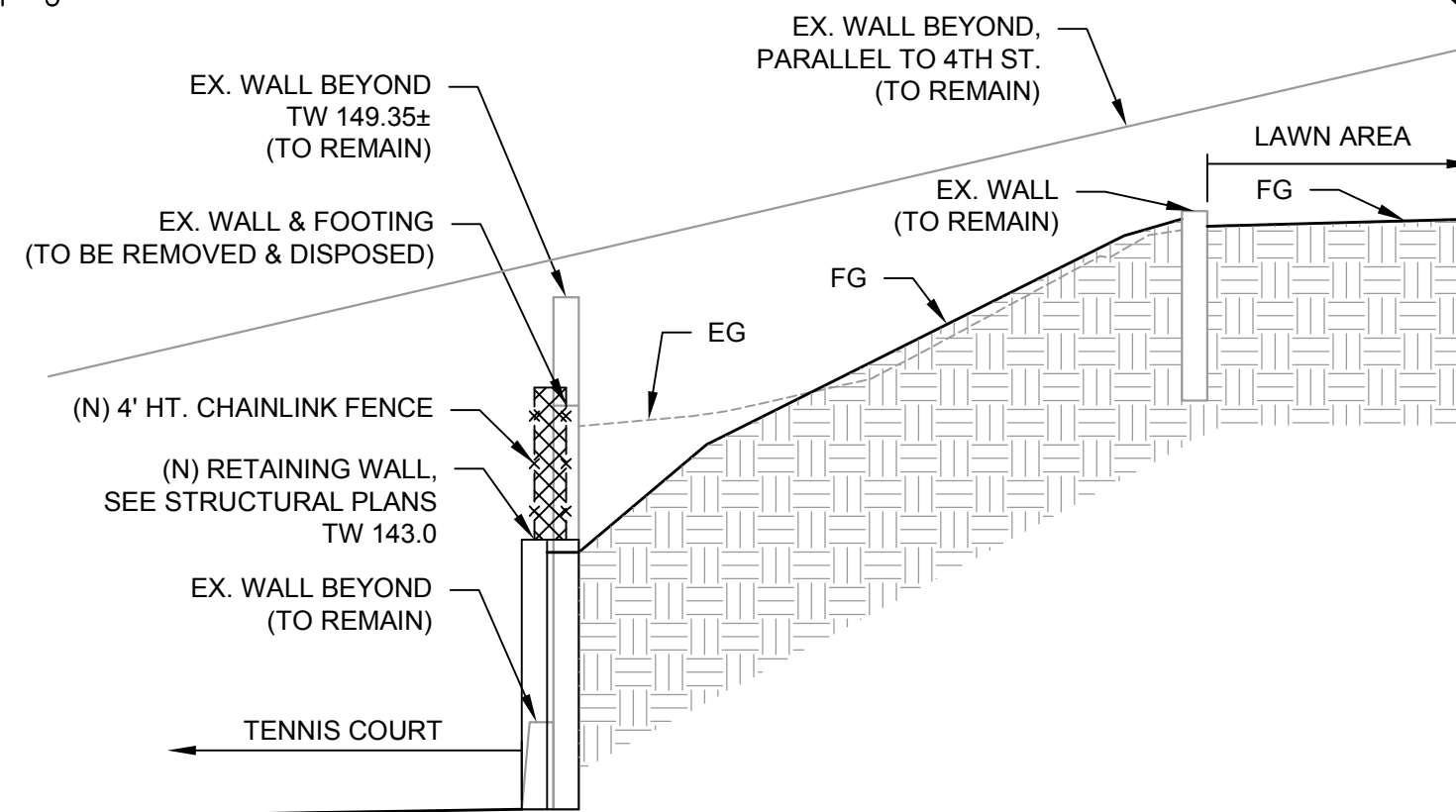
D CONCRETE EXTERIOR STEPS SECTION
SCALE: NTS



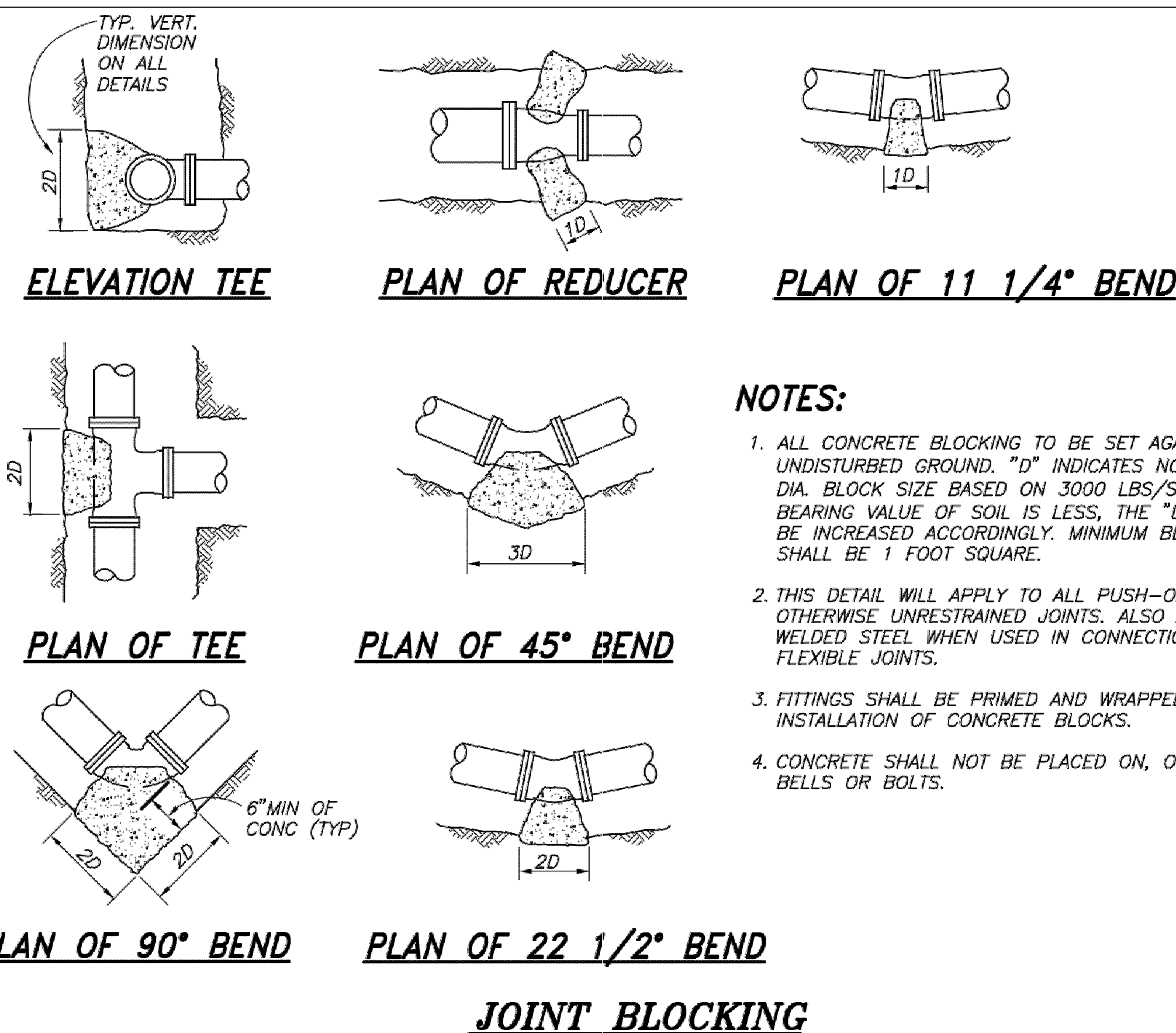
1 HANDRAIL ELEVATION DETAIL
SCALE: 3/4" = 1'-0"



2 RAMP / STEP HANDRAIL SECTION DETAIL
SCALE: 3/4" = 1'-0"



C SECTION DETAIL
SCALE: 1" = 1'



NO SCALE FILE NO. SD0017 APPROV. BY: RKT REV. DATE: 5-12-95

Checked	Drawn	Designed	Description	Date	Rev

SOUTHVIEW PARK
NOTES & DETAILS
APN: 065-234-01

City Of
Sausalito
County Of
Marin
State Of
California

Prepared Under the Direction of:



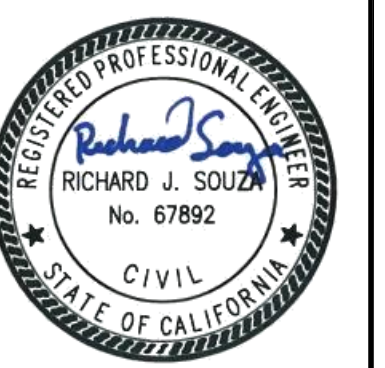
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C6.1
Scale: As Shown
Date: 2/18/2020
Project Number: 4.1213.00
Plan File: D-5472-11

Checked	Drawn	Designed	Description	Date	Rev
				2/18/2020	

SOUTHVIEW PARK
NOTES & DETAILS
 APN: 065-234-01

City Of
Sausalito
 County Of
Marin
 State Of
California

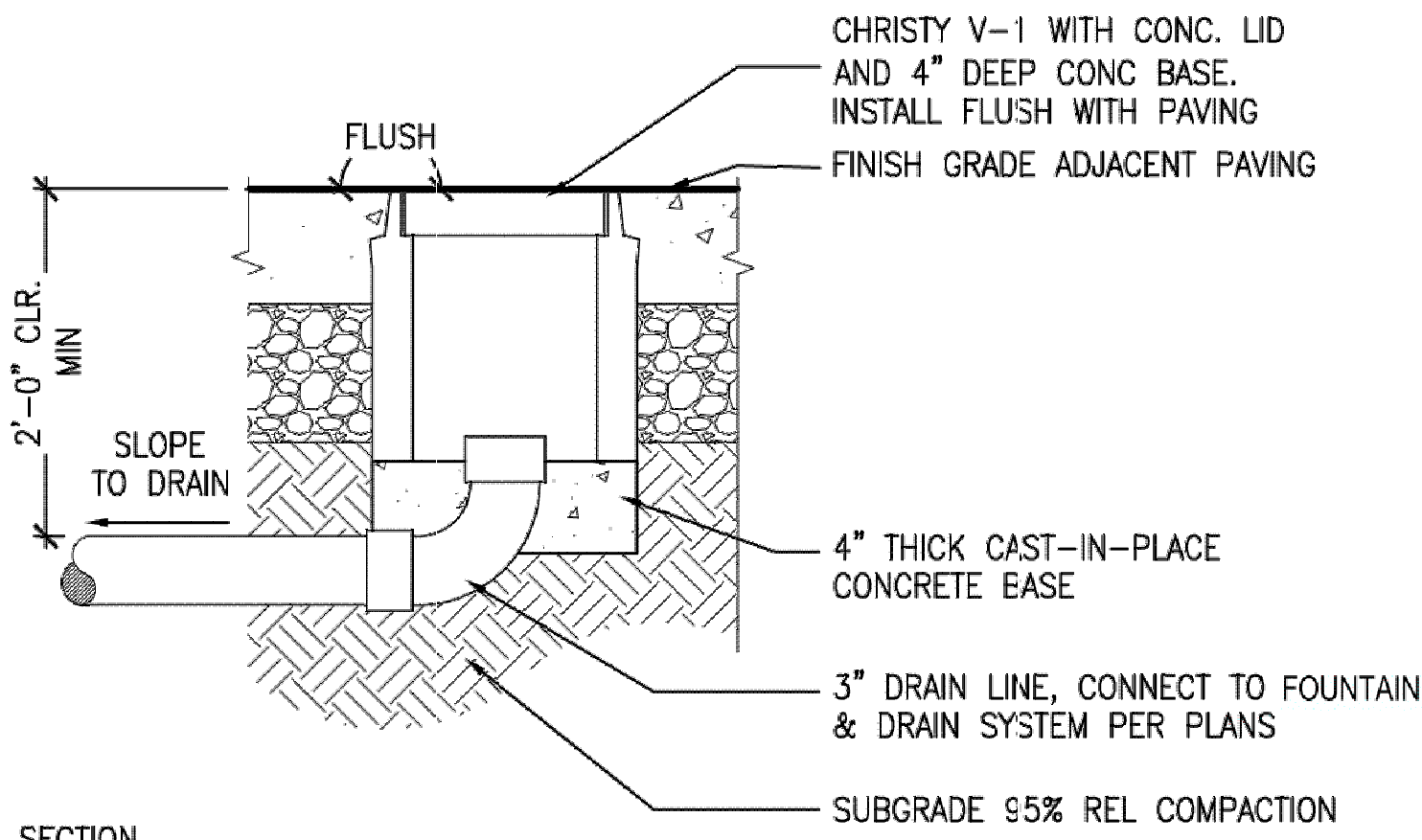
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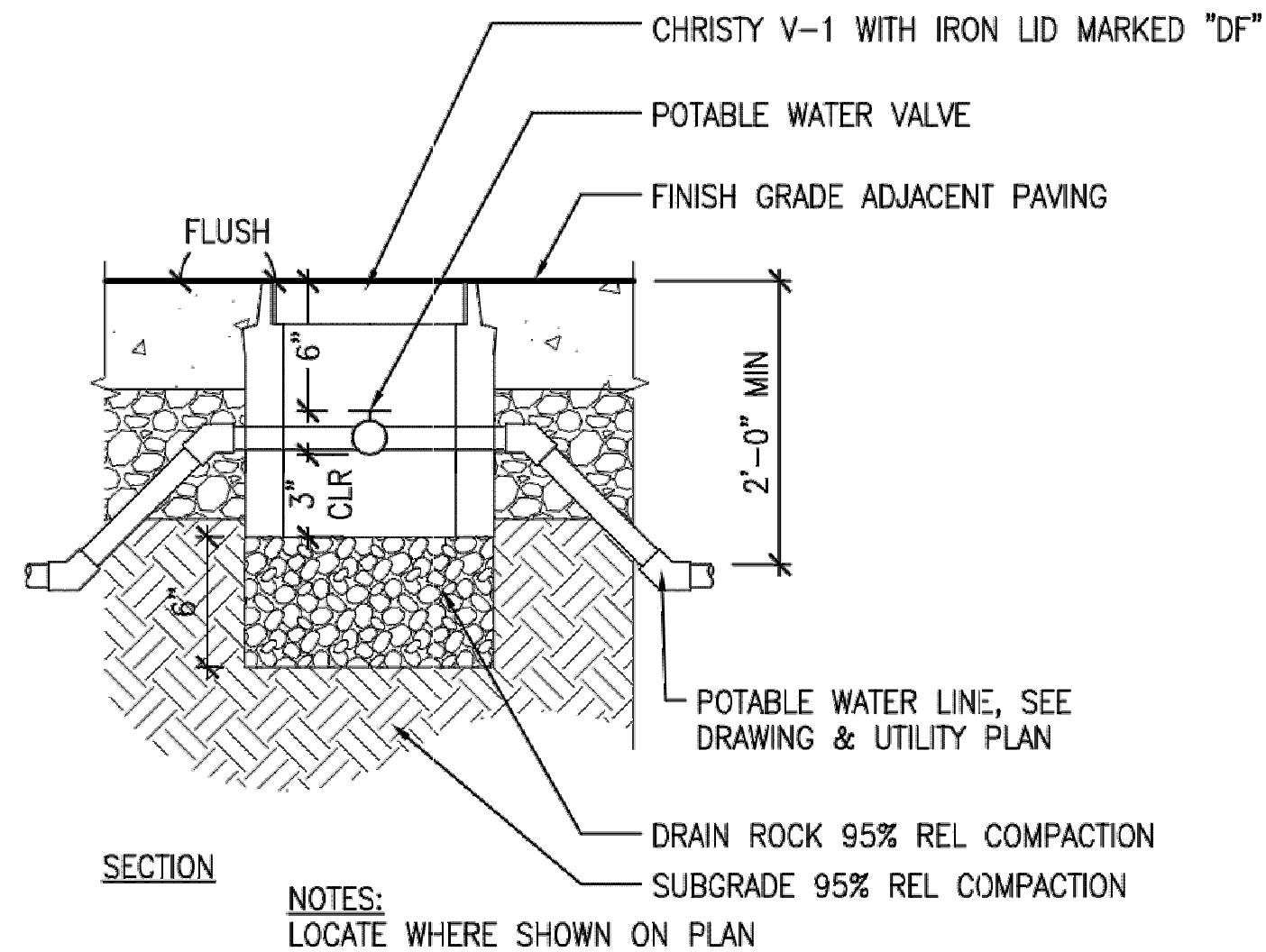
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C6.2

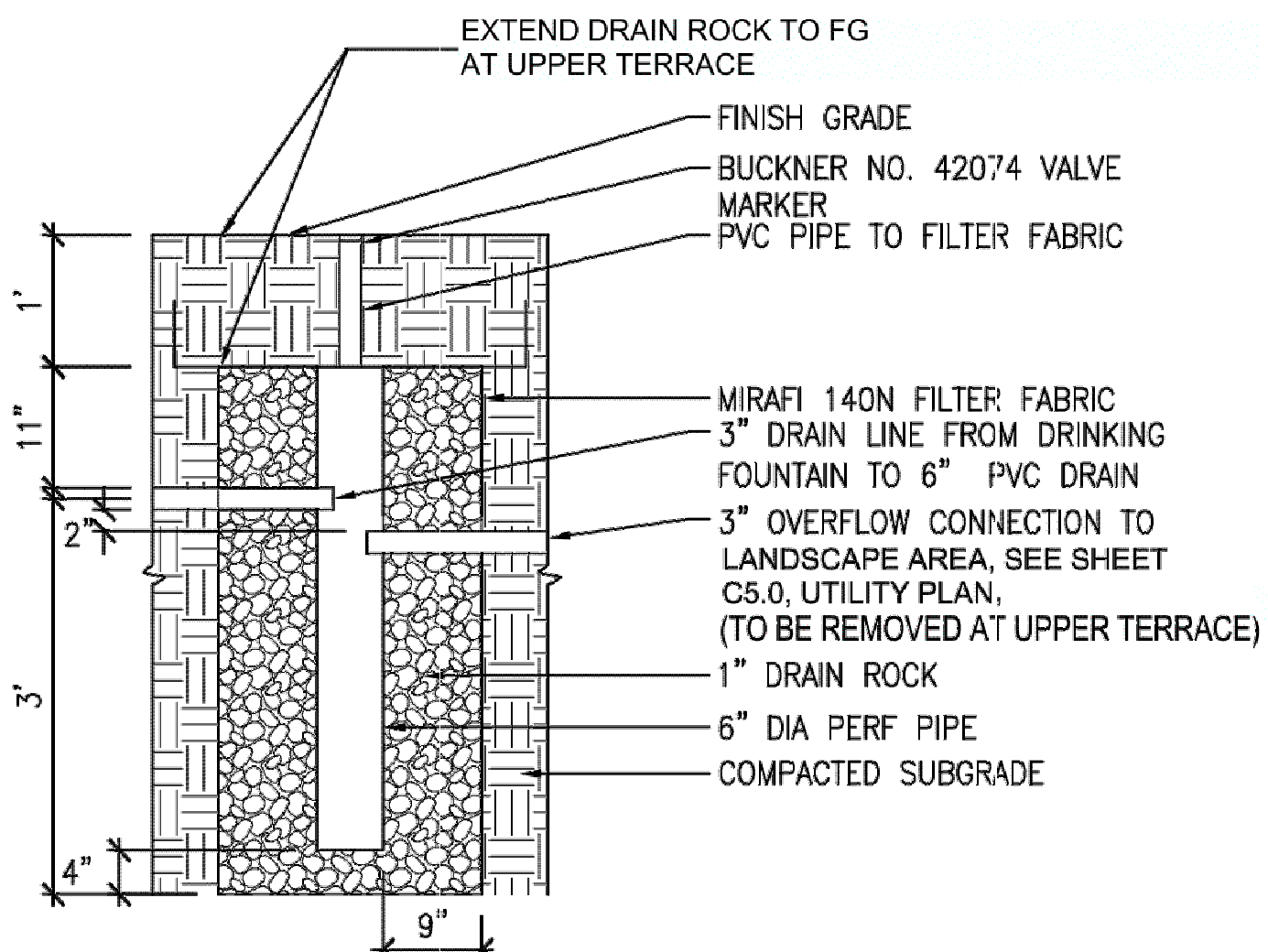
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Project Number:	4.1213.00
Plan File:	D-5472-12



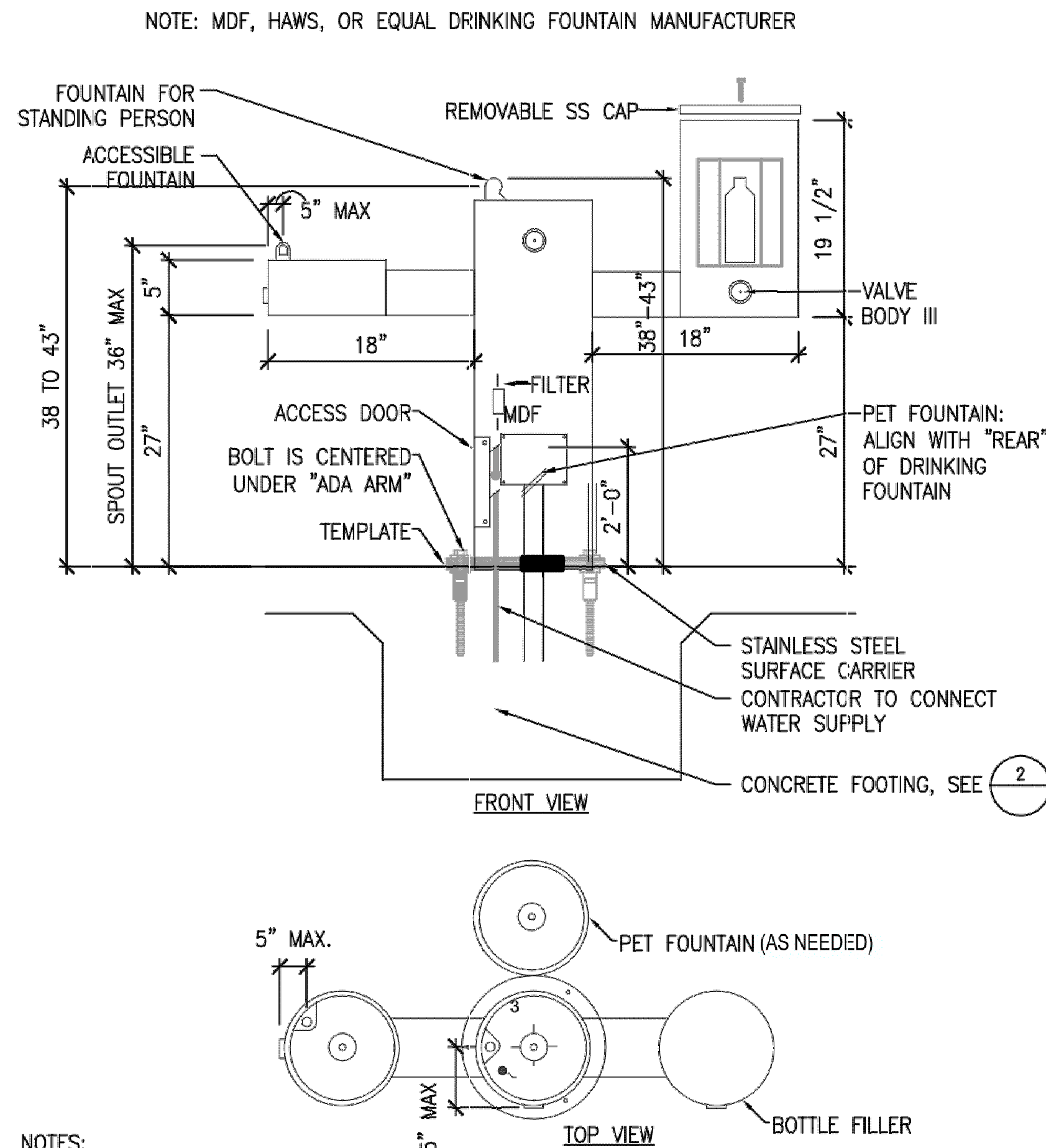
4 DRINKING FOUNTAIN CLEANOUT
 SCALE: 1 1/2" = 1'



5 DRINKING FOUNTAIN - WATER VALVE
 SCALE: 1 1/2" = 1'



6 DRY WELL FOR DRINKING FOUNTAIN
 SCALE: 3/4" = 1'

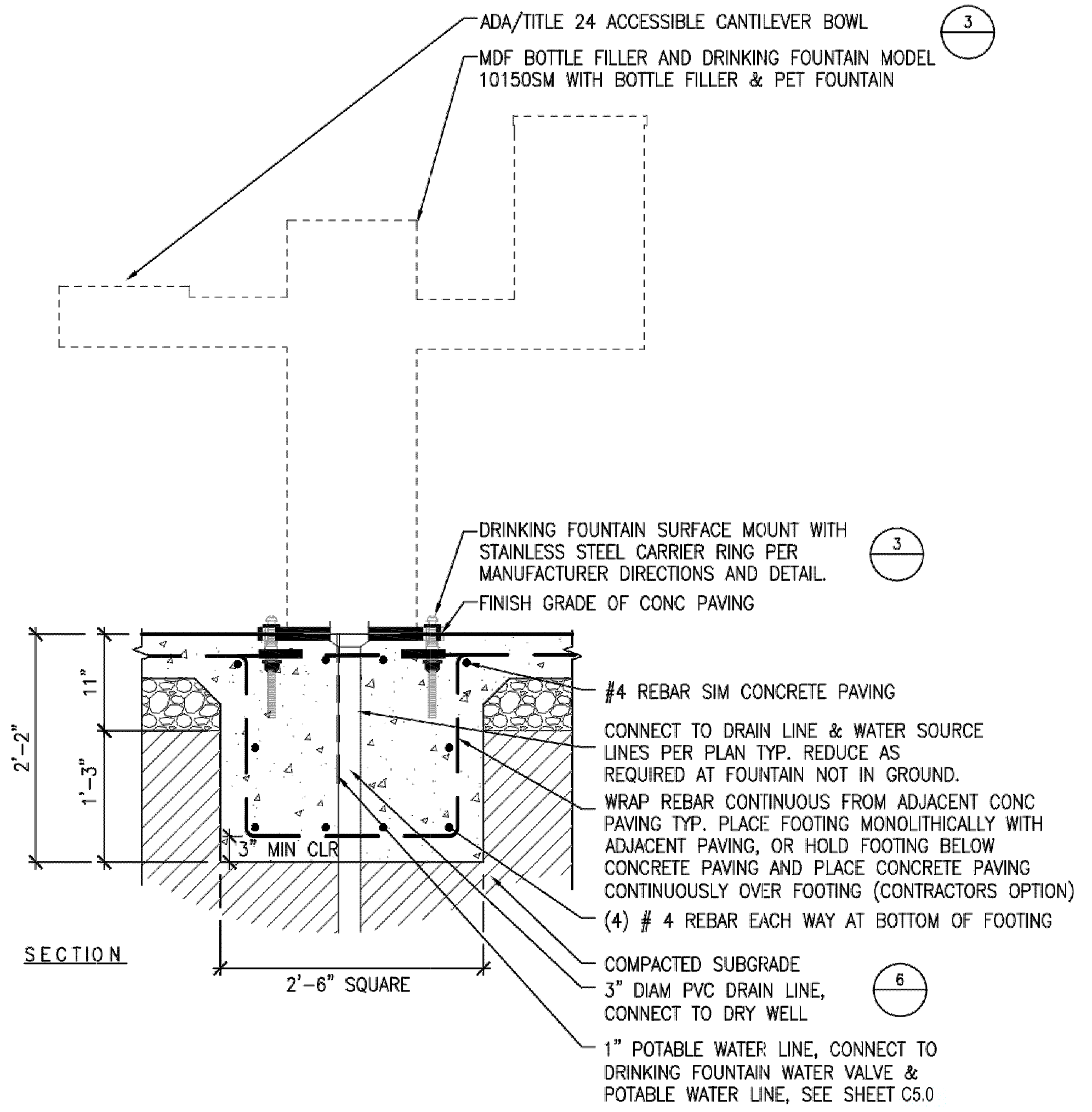


- NOTES:**
- INSTALLATION MUST COMPLY WITH ADA/TITLE 24 REGULATIONS.
 - STAINLESS STEEL SURFACE CARRIER IS REQUIRED.
 - INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
 - OMITTED.
 - OMITTED.
 - ALL INFORMATION CONTAINED HEREIN WAS CURRENT AT THE TIME OF DEVELOPMENT BUT MUST BE REVIEWED AND APPROVED BY THE PRODUCT MANUFACTURER TO BE CONSIDERED ACCURATE.
 - OMITTED.
 - COLOR: GREEN
 - CHLORINATE DRINKING FOUNTAIN & SUPPLY LINE IMPACTED BY INSTALLATION, CONFIRM COMPLETE WITH PROJECT INSPECTOR PRIOR TO FIRST JOB PUNCH WALK.
- ACCESSIBILITY NOTES:**
- DRINKING FOUNTAIN SHALL COMPLY WITH CBC SECTIONS 11B-307 AND 11B-602.
 - HIGH AND LOW DRINKING FOUNTAINS SHALL BE PROVIDED.
 - THE FLOW OF WATER SHALL BE ACTIVATED BY A MANUALLY OPERATED SYSTEM THAT IS FRONT-MOUNTED OR SIDE-MOUNTED AND LOCATED WITHIN 6" OF THE FRONT EDGE OF THE FOUNTAIN OR AN AUTOMATIC ELECTRONICALLY-CONTROLLED DEVICE.
 - SPOUT OUTLETS SHALL BE 36" MAX ABOVE THE FINISH FLOOR OR GROUND.
 - SPOUT SHALL PROVIDE A FLOW OF WATER 4" HIGH MIN AND SHALL BE LOCATED 5" MAX FROM THE FRONT OF THE UNIT. THE ANGLE OF THE WATER STREAM SHALL BE MEASURED HORIZONTALLY RELATIVE TO THE FRONT FACE OF THE UNIT.
 - SPOUTS SHALL BE LOCATED LESS THAN 3" OF THE FRONT OF THE UNIT. THE ANGLE OF WATER STREAM SHALL BE 30 DEGREES MAX.
 - WHERE SPOUTS ARE LOCATED BETWEEN 3" AND 5" MAX FROM THE FRONT OF THE UNIT, THE ANGLE OF THE WATER STREAM SHALL BE 15 DEGREES MAX.
 - SPOUT OUTLETS OF DRINKING FOUNTAINS FOR STANDING PERSONS SHALL BE 38" MIN AND 43" MAX ABOVE FINISH FLOOR OR GROUND.

3 DRINKING FOUNTAIN
 SCALE: 1/2" = 1'

NOT USED

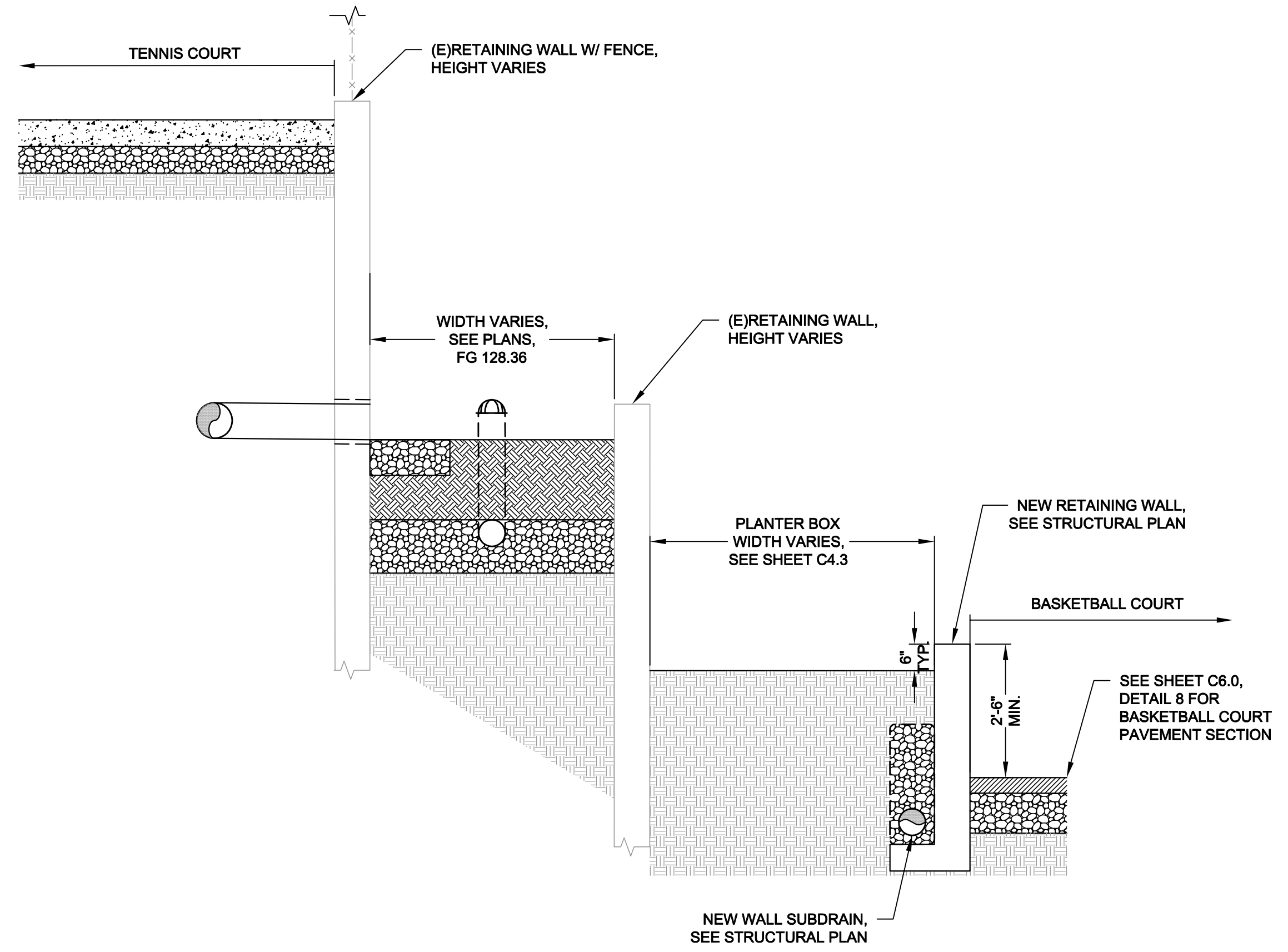
1 DRINKING FOUNTAIN ENLARGEMENT
 SCALE: 3/4" = 1'



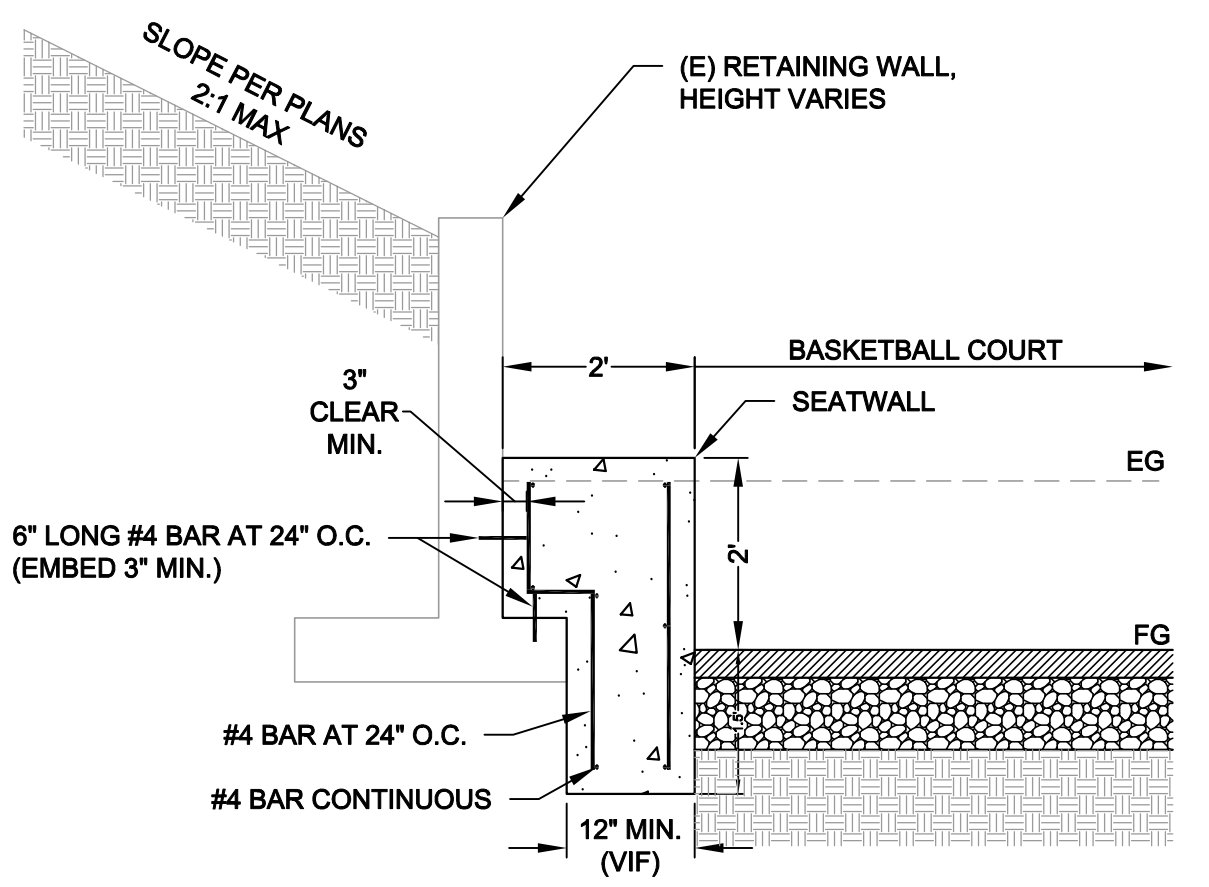
- NOTES:**
- INSTALLATION MUST COMPLY WITH ADA/TITLE 24 REGULATIONS.
 - INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
 - SEE INSTALLATION DETAILS, MATERIALS PLANS, UTILITY PLAN FOR CONNECTIONS AND NOTES.
 - SUBMIT SHOP DRAWINGS.

2 DRINKING FOUNTAIN FOOTING
 SCALE: 1" = 1'

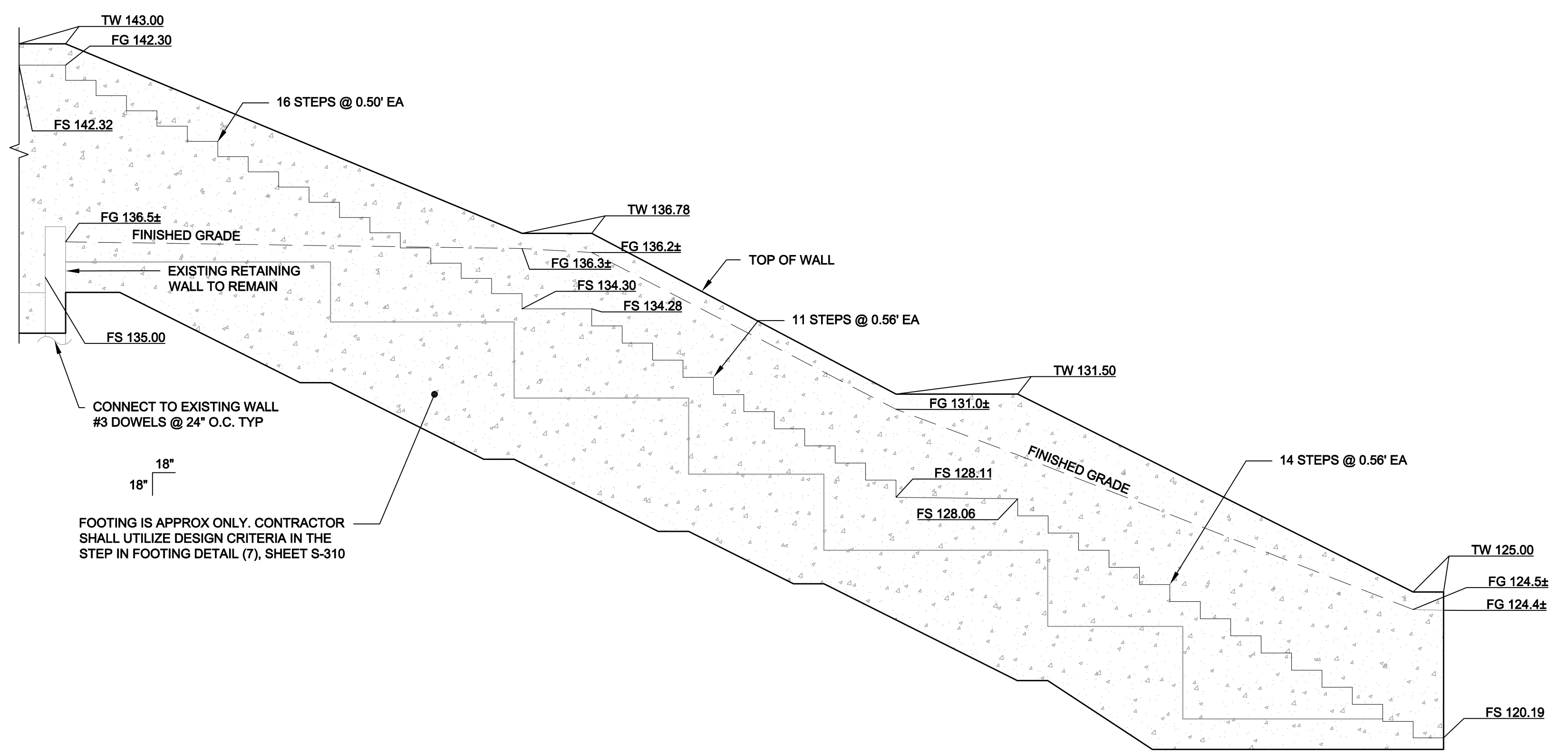
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	2/18/2020	BID SET	RJS	JBD	RJS



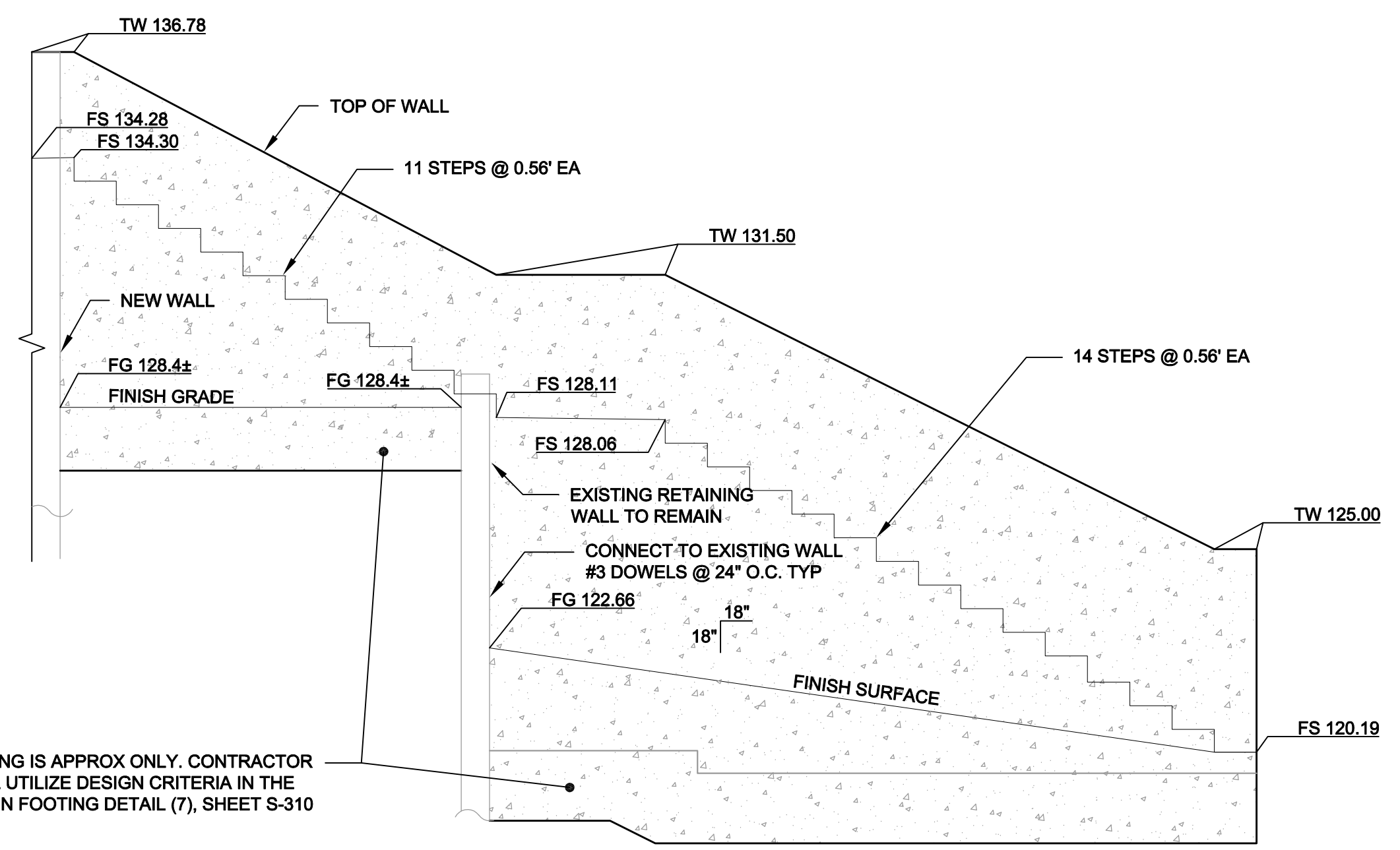
1 PLANTER SECTION DETAIL
SCALE: 1" = 1'



2 TYP. SEATWALL SECTION
SCALE: 1" = 1'



3 WALL PROFILE
SCALE: 1" = 3' (V) AND (H)



4 WALL PROFILE
SCALE: 1" = 3' (V) AND (H)

**SOUTHVIEW PARK
NOTES AND DETAILS (ALT 1)
APN: 065-234-01**

City Of
Sausalito
County Of
Marin
State Of
California

Prepared Under the Direction of:



Sheet
C6.3

Scale: As Noted
Date: 2/18/2020
Project Number: 4.1213.00
Plan File: D-5472-13

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Rev	Date	Description	Designed	Drawn	Checked
	2/18/2020	BID SET	RJS	JBD	RJS

**SOUTHVIEW PARK
 STORMWATER
 CONTROL PLAN
 APN: 065-234-01**

City Of Sausalito
 County Of Marin
 State Of California

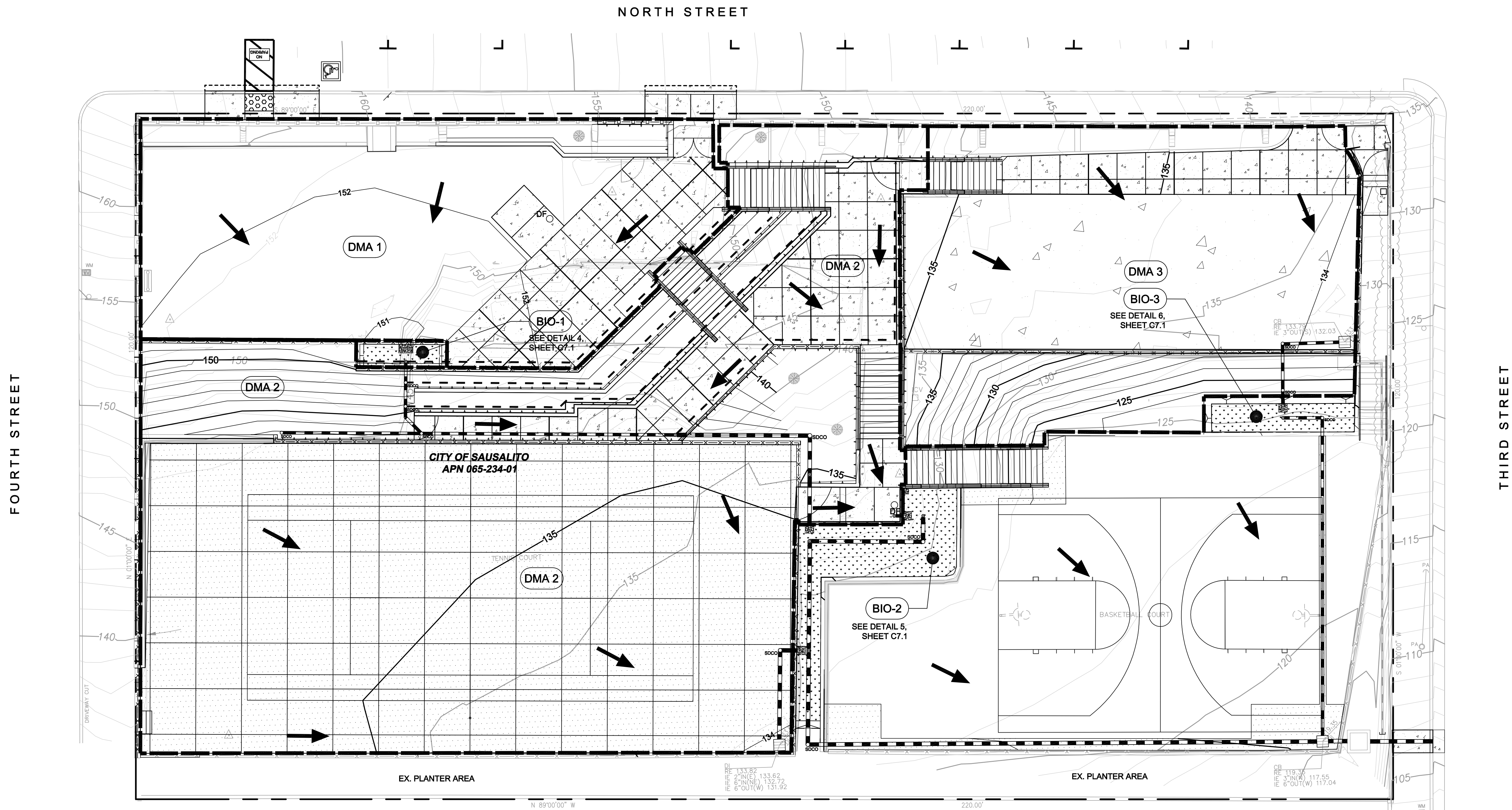
Prepared Under the Direction of:



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C7.0

Scale: 1" = 10'
 Date: 2/18/2020
 Project Number: 4.1213.00
 Plan File: D-5472-14



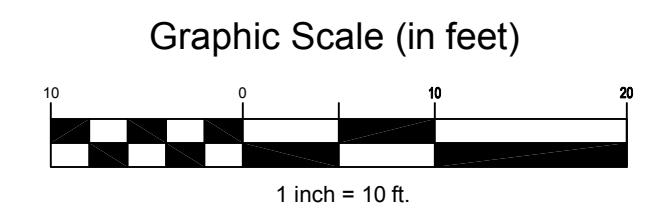
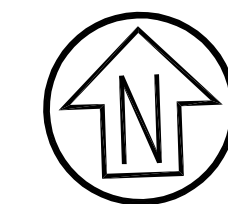
STORMWATER CONTROL LEGEND

- DRAINAGE MANAGEMENT AREA (DMA)
- BIORETENTION AREA (SEE SHEET C7.1 FOR DETAILS)
- OVERLAND FLOW DIRECTION
- OVERFLOW INLET / AREA DRAIN
- SDCO
- STORM DRAIN CLEANOUT

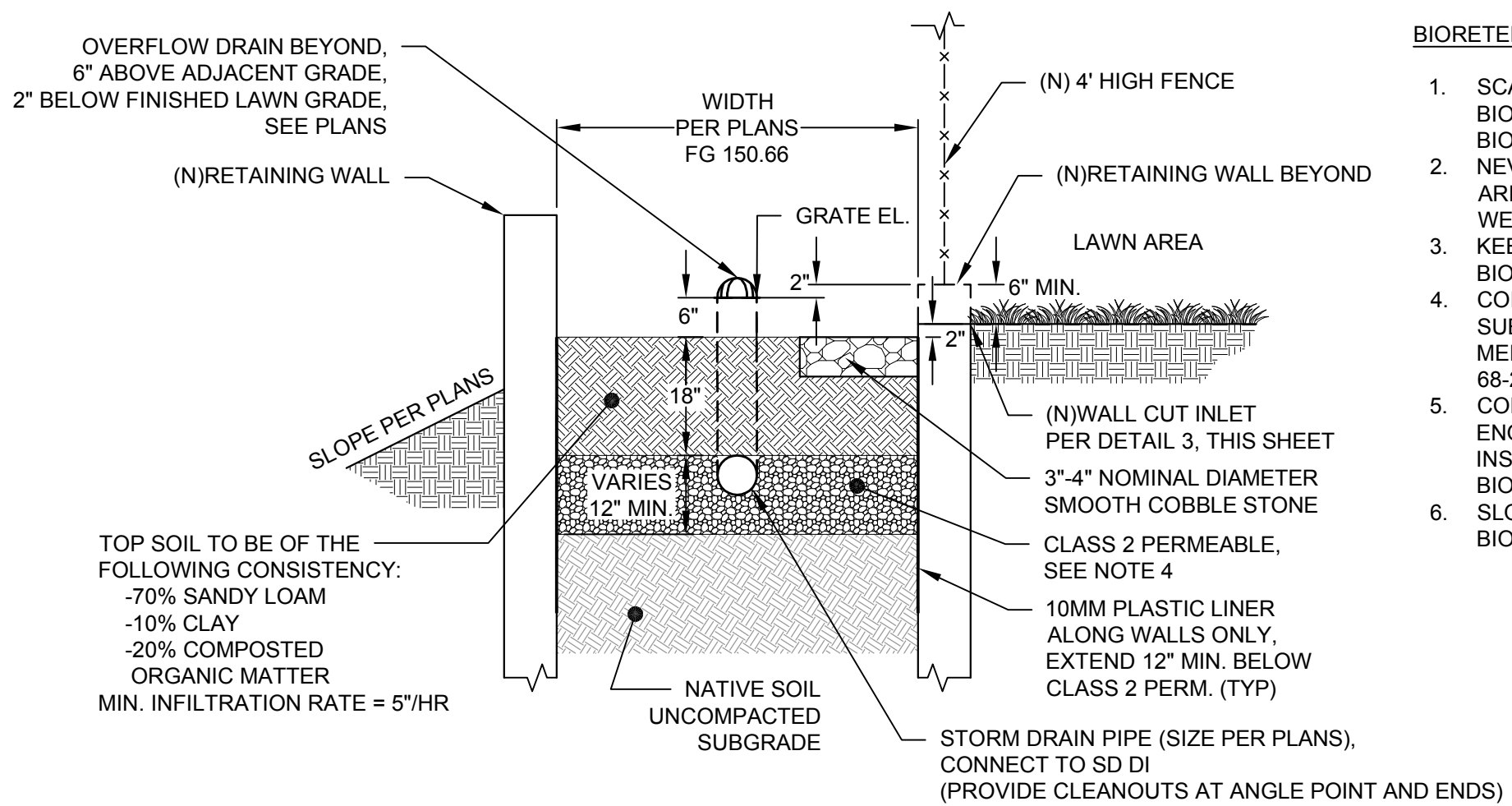
DMA NAME	DMA AREA (SF)	POST-PROJECT SURFACE TYPE	DMA RUNOFF FACTOR	DMA AREA X RUNOFF FACTOR	IMP NAME		
					IMP SIZING FACTOR	MIN. IMP SIZE (SF)	PRO. IMP SIZE (SF)
DMA 1	0	ROOF	1.0	0	0.04	51	53
	990	PAVEMENT	1.0	990			
	2850	LANDSCAPE	0.1	285			
TOTAL >				1275	0.04	51	53

DMA NAME	DMA AREA (SF)	POST-PROJECT SURFACE TYPE	DMA RUNOFF FACTOR	DMA AREA X RUNOFF FACTOR	IMP NAME		
					IMP SIZING FACTOR	MIN. IMP SIZE (SF)	PRO. IMP SIZE (SF)
DMA 2	0	ROOF	1.0	0	0.04	321	417
	7811	PAVEMENT	1.0	7811			
	2077	LANDSCAPE	0.1	208			
TOTAL >				8019	0.04	321	417

DMA NAME	DMA AREA (SF)	POST-PROJECT SURFACE TYPE	DMA RUNOFF FACTOR	DMA AREA X RUNOFF FACTOR	IMP NAME		
					IMP SIZING FACTOR	MIN. IMP SIZE (SF)	PRO. IMP SIZE (SF)
DMA 3	0	ROOF	1.0	0	0.04	118	125
	2815	PAVEMENT	1.0	2815			
	1300	LANDSCAPE	0.1	130			
TOTAL >				2945	0.04	118	125

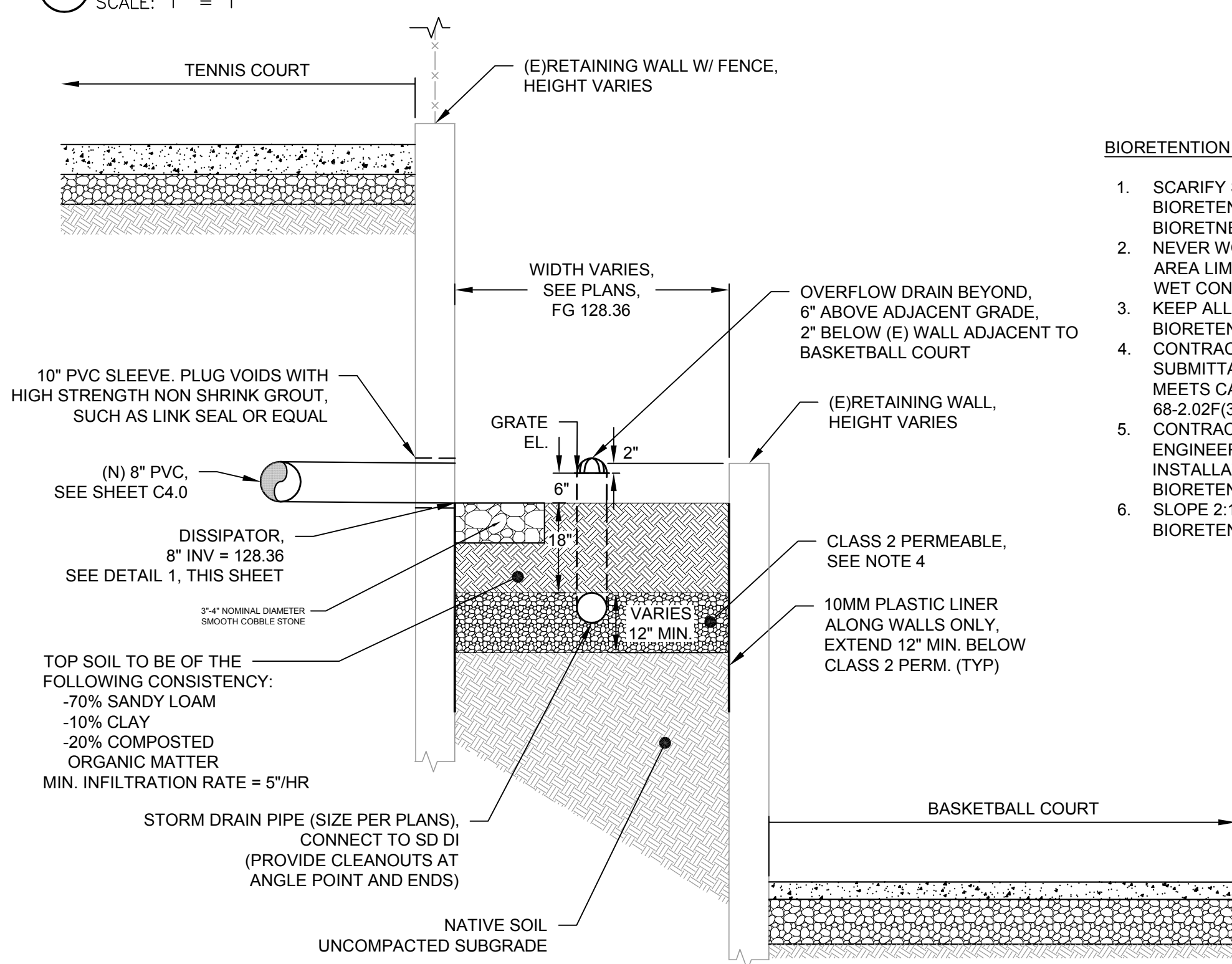


- BIORETENTION AREA CONSTRUCTION NOTES**
1. SCARIFY SUBGRADE BEFORE INSTALLING BIORETENTION AREA AGGREGATE AND BIORETENTION SOIL MEDIA.
 2. NEVER WORK WITHIN BIORETENTION AREA LIMITS DURING RAIN OR UNDER WET CONDITIONS.
 3. KEEP ALL HEAVY MACHINERY OUTSIDE BIORETENTION AREA LIMITS.
 4. CONTRACTOR SHALL PROVIDE SUBMITTALS CERTIFYING CLASS 2 PERM. MEETS CALTRANS SPECIFICATION 68-2.02F(3).
 5. CONTRACTOR SHALL NOTIFY CIVIL ENGINEER 48 HOURS PRIOR TO INSTALLATION OF CLASS 2 PERM. AND BIORETENTION SOIL FOR INSPECTION.
 6. SLOPE 2:1 MAX. FROM FG OF BIORETENTION AREA.



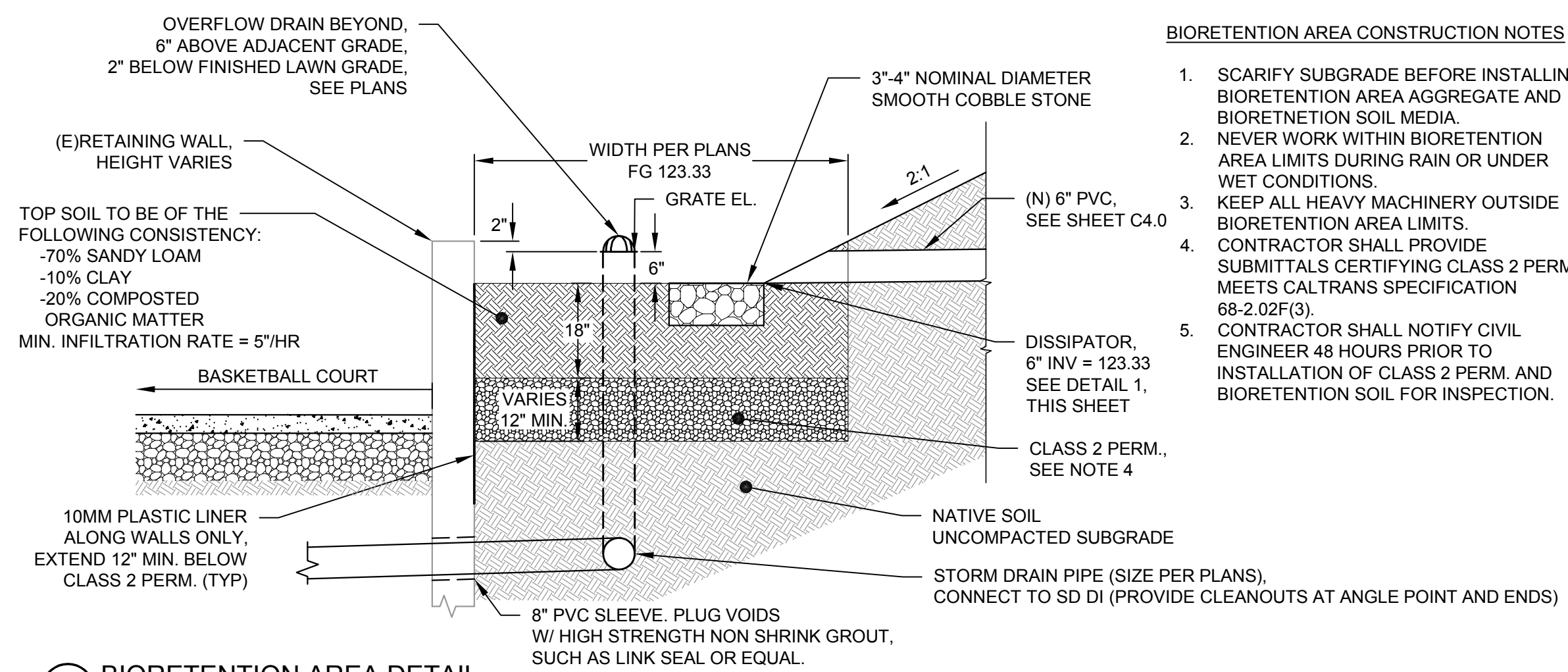
4 BIORETENTION AREA DETAIL
 SCALE: 1" = 1'

- BIORETENTION AREA CONSTRUCTION NOTES**
1. SCARIFY SUBGRADE BEFORE INSTALLING BIORETENTION AREA AGGREGATE AND BIORETENTION SOIL MEDIA.
 2. NEVER WORK WITHIN BIORETENTION AREA LIMITS DURING RAIN OR UNDER WET CONDITIONS.
 3. KEEP ALL HEAVY MACHINERY OUTSIDE BIORETENTION AREA LIMITS.
 4. CONTRACTOR SHALL PROVIDE SUBMITTALS CERTIFYING CLASS 2 PERM. MEETS CALTRANS SPECIFICATION 68-2.02F(3).
 5. CONTRACTOR SHALL NOTIFY CIVIL ENGINEER 48 HOURS PRIOR TO INSTALLATION OF CLASS 2 PERM. AND BIORETENTION SOIL FOR INSPECTION.
 6. SLOPE 2:1 MAX. FROM FG OF BIORETENTION AREA.



5 BIORETENTION AREA DETAIL
 SCALE: 1" = 1'

- BIORETENTION AREA CONSTRUCTION NOTES**
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 3. KEEP ALL HEAVY MACHINERY OUTSIDE BIORETENTION AREA LIMITS.
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6 BIORETENTION AREA DETAIL
 SCALE: 1" = 1'

Checked	Drawn	Designed	Description	Date	Rev
				2/18/2020	

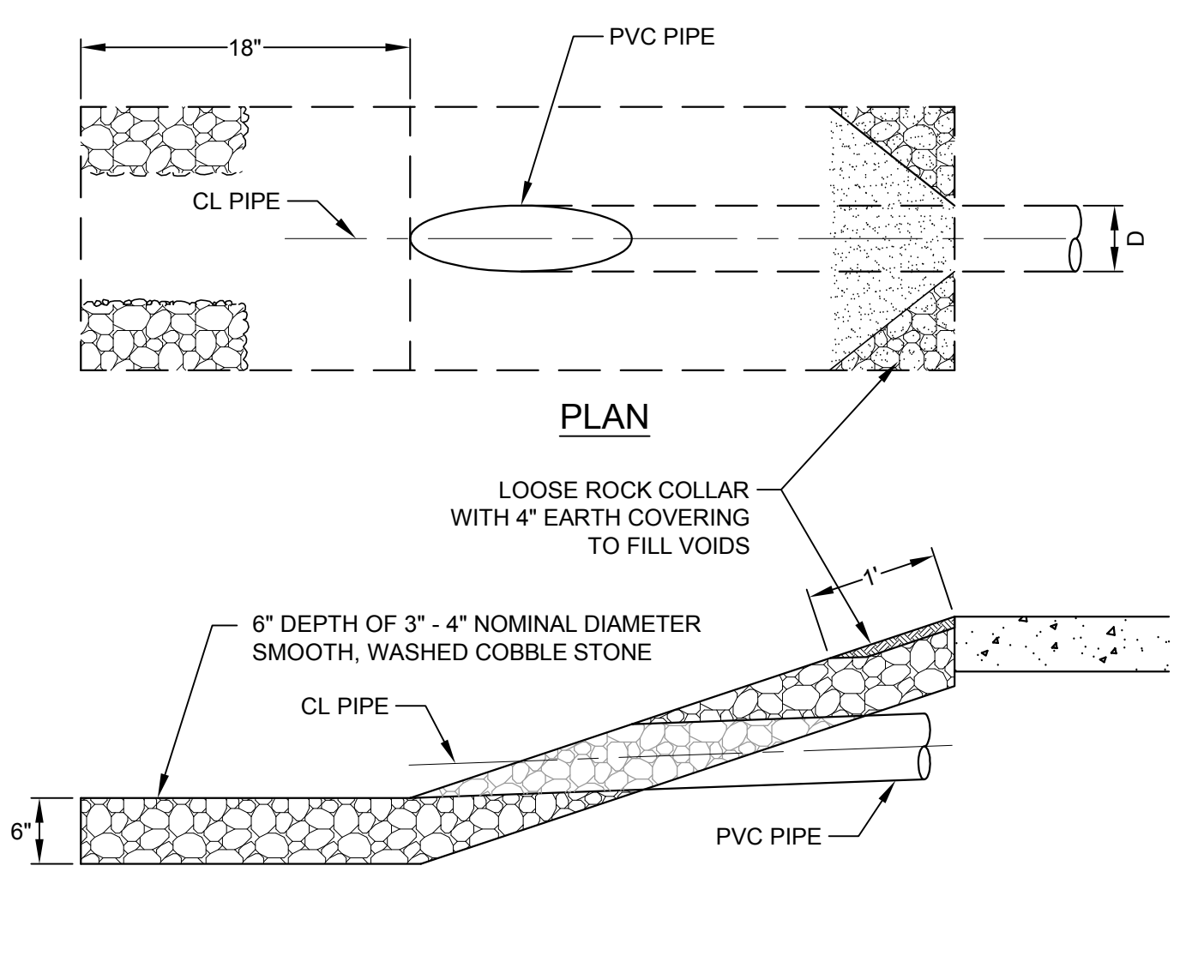
**SOUTHVIEW PARK
 STORMWATER CONTROL
 NOTES & DETAILS**
 APN: 065-234-01

City Of
Sausalito
 County Of
Marin
 State Of
California

Prepared Under the Direction of:

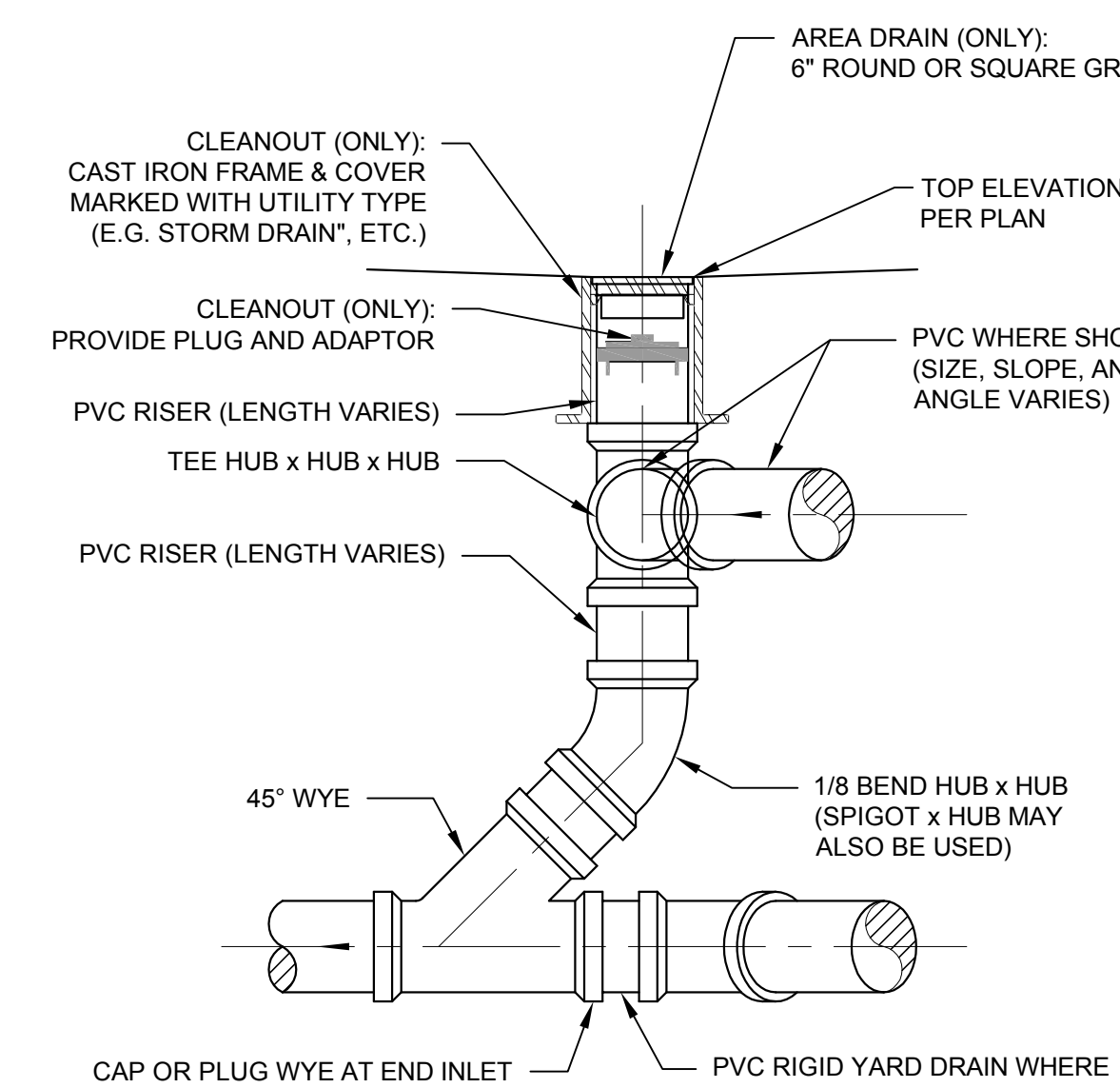
 RICHARD J. SOUZA
 No. 67892
 CIVIL
 STATE OF CALIFORNIA

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Date:	2/18/2020
Project Number:	4.1213.00
Plan File:	D-5472-15



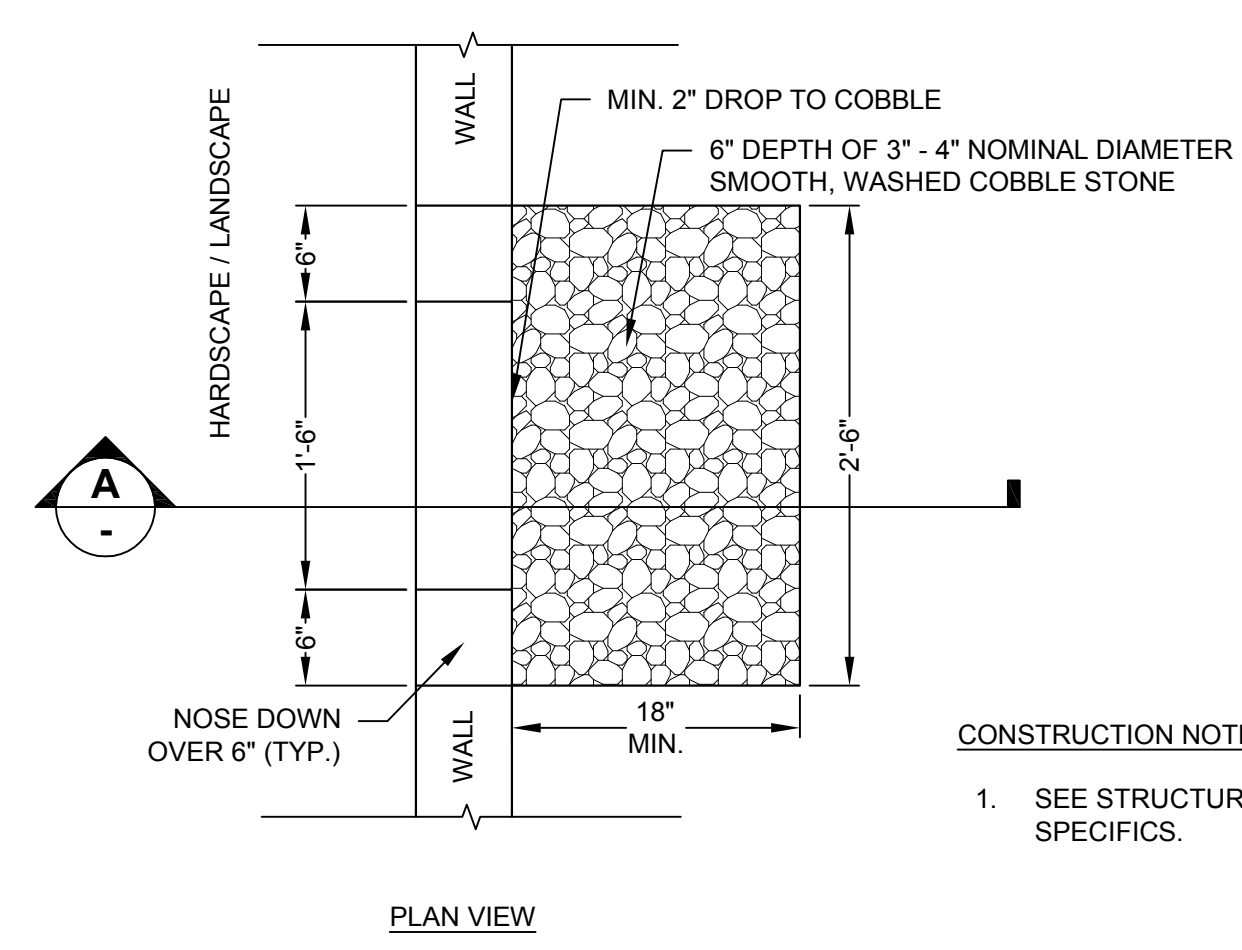
- NOTES:**
1. ROCK SLOPE PROTECTION SHALL BE CLASS LIGHT, METHOD B PER SECTION 72 OF STATE STANDARD SPECIFICATIONS. VELOCITIES IN EXCESS OF 10 FPS SHALL REQUIRE HYDRAULIC DESIGN BY A LICENSED ENGINEER.
 2. ENCASE FINAL 3' OF PIPE IN CONCRETE.

1 STORM DRAIN OUTLET ROCK SLOPE PROTECTION
 SCALE: N.T.S.



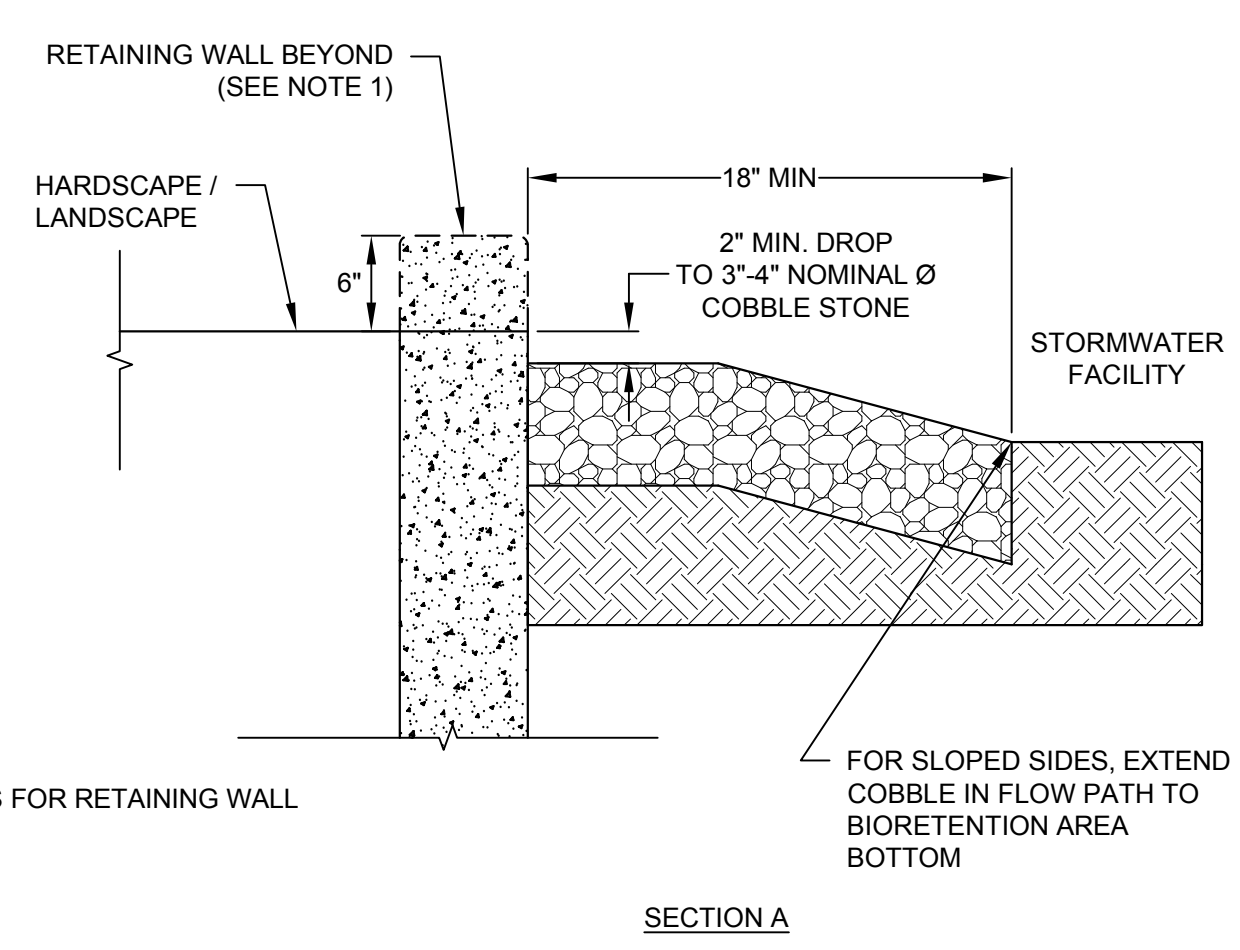
- NOTES:**
1. SOLVENT WELD, SLIP CONNECTIONS CAN BE SUBSTITUTED FOR THE HUB CONNECTION AT THE CONTRACTOR'S OPTION.
 2. ALL AREA DRAINS / CLEANOUTS AT ANGLE POINTS OR END OF LINES

2 TYPICAL AREA DRAIN / CLEANOUT DETAIL
 SCALE: 1" = 1'



- CONSTRUCTION NOTES**
1. SEE STRUCTURAL PLANS FOR RETAINING WALL SPECIFICS.

3 WALL CUT INLET WITH GRAVEL ENERGY DISSIPATION
 SCALE: 1" = 1'



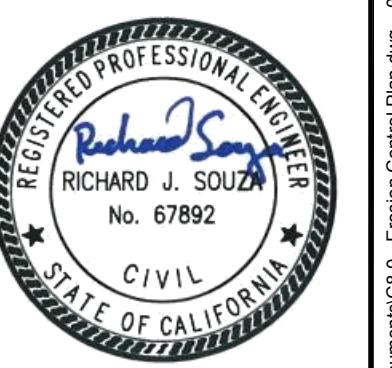
- FOR SLOPED SIDES, EXTEND COBBLE IN FLOW PATH TO BIORETENTION AREA BOTTOM

Rev	Date	Description	Designed	Drawn	Checked
	2/18/2020	BID SET	RJS	JBD	RJS

**SOUTHVIEW PARK
 EROSION CONTROL PLAN
 APN: 065-234-01**

City Of Sausalito
 County Of Marin
 State Of California

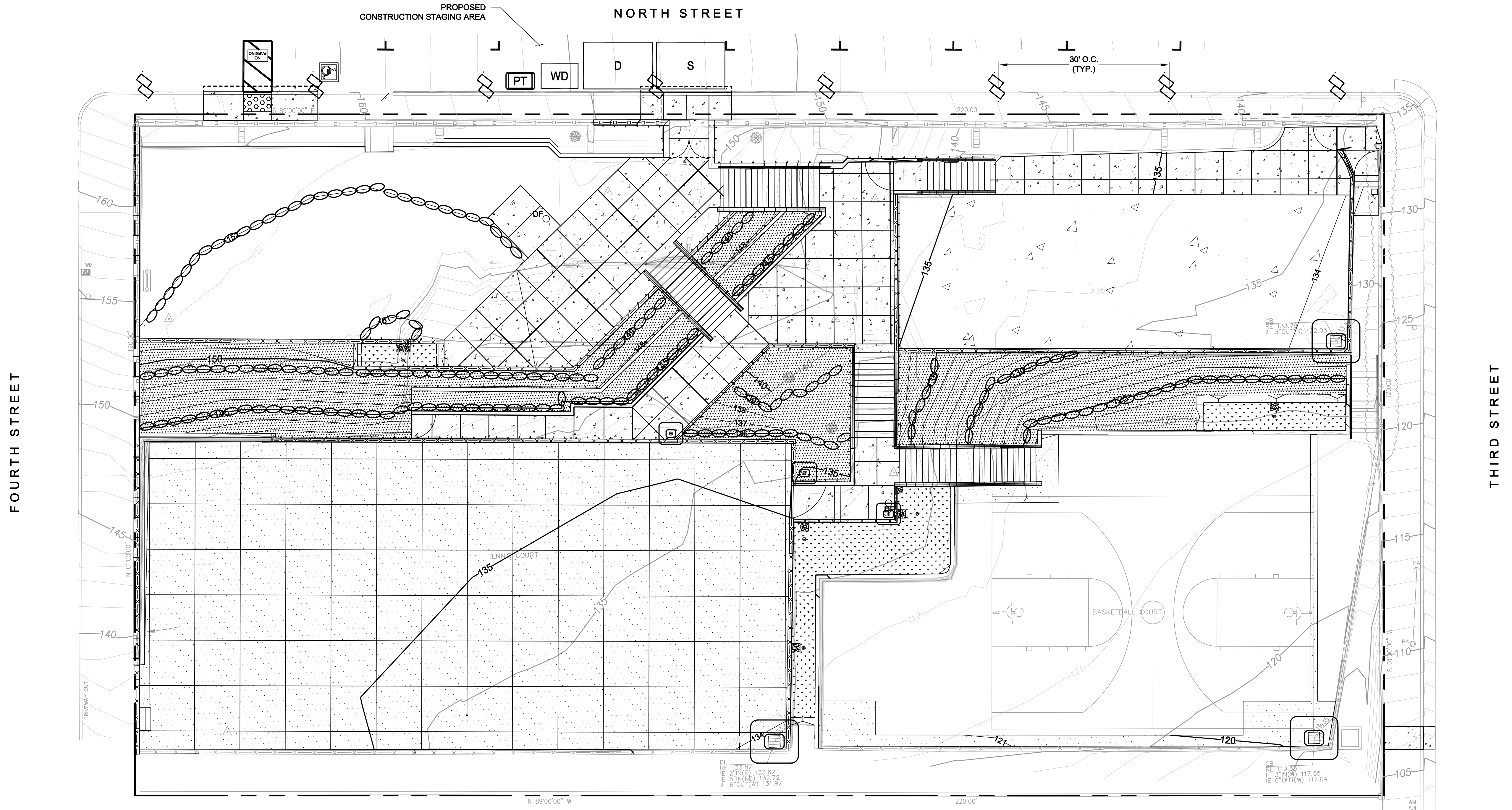
Prepared Under the Direction of:



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Scale: 1" = 10'
 Date: 2/18/2020
 Project Number: 4.1213.00
 Plan File: D-5472-16

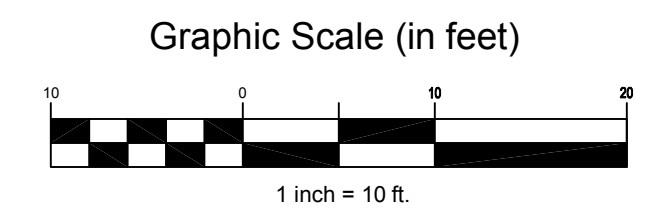
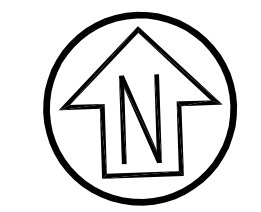


LEGEND

- NEW BIORETENTION AREA
- NEW SPORTS ATHLETIC COURT
- NEW PEDESTRIAN CONCRETE PATH
- NEW PEDESTRIAN COLORED CONCRETE PATH
- NEW PLAYGROUND CONCRETE RAT SLAB. FINISHED SURFACE TO BE INSTALLED BY OTHERS.

EROSION CONTROL LEGEND

- FIBER ROLLS
- SAND/GRAVEL BAG BARRIER
- PERMANENT 3-STEP HYDROSEED
- CONCRETE WASHDOWN AREA
- DELIVERY AREA
- NON HAZARDOUS STORAGE
- STORM INLET PROTECTION
- PORTABLE TOILET WITH LINER



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BMP	GENERAL DESCRIPTION
EROSION CONTROL BMPS	
A PRESERVE EXISTING VEGETATION	EXISTING VEGETATION SHOULD BE PRESERVED AS MUCH AS POSSIBLE. CASQA: EC-2.
B TRACK WALK SLOPES	DURING GRADING PHASE, TRACK-WALK UP AND DOWN SLOPES (NOT PARALLEL TO THEM). CASQA: EC-15.
C SOIL COVER	COVER ALL EXPOSED SOIL WITH STRAW MULCH AND TACKIFIER (OR EQUIVALENT). CASQA: EC-3, EC-5, EC-6, EC-7, EC-14, AND EC-16.
D EROSION CONTROL BLANKETS OR EQUIVALENT	INSTALL EROSION CONTROL; BLANKETS (OR EQUIVALENT) ON ANY DISTURBED SITE WITH 3:1 SLOPES OR STEEPER, KEYED INTO THE GROUND AT LEAST 3 INCHES. USE WILDLIFE-FRIENDLY BLANKETS MADE OF BIODEGRADABLE NATURAL MATERIALS. AVOID USING BLANKETS MADE WITH PLASTIC NETTING OR FIXED APERTURE NETTING. CASQA: EC-7.
E REVEGETATION	AREAS OF DISTURBED SOIL/VEGETATION SHOULD BE REVEGETATED AS SOON AS PRACTICAL. CASQA: EC-4.
SEDIMENT CONTROL BMPS	
F STABILIZED SITE ENTRANCE	STABILIZE SITE ENTRANCE AND TEMPORARY DRIVEWAY. USE 3 TO 4-INCH CRUSHED ROCK FOR A MINIMUM OF 50 FEET (OR AS FAR AS POSSIBLE) TO PREVENT TRACKING SOIL OFFSITE. THIS CAN BE USED IN CONJUNCTION WITH A TIRE WASH OR RUMBLE PLATES. CASQA: TC-1; TC-3.
G FIBER ROLLS (E.G. STRAW WATTLES)	USE FIBER ROLLS ALONG CONTOURS OF SHORT SLOPES 3:1 OR FLATTER, KEYED INTO GROUND AT LEAST 3-INCHES DEEP (TYPICALLY 25 FEET APART). USE WILDLIFE-FRIENDLY FIBER ROLLS MADE OF BIODEGRADABLE NATURAL MATERIALS. AVOID USING FIBER ROLLS MADE WITH PLASTIC NETTING OR FIXED APERTURE NETTING. CASQA: SE-5.
H SILT FENCE	INSTALL SILT FENCE ALONG CONTOURS AS SECONDARY MEASURE TO KEEP SEDIMENT ONSITE AND TO MINIMIZE VEHICLE AND FOOT TRAFFIC BEYOND LIMITS OF SITE DISTURBANCE. SILT FENCING MUST BE KEYED IN. CASQA: SE-1.
I DRAIN INLET PROTECTION	USE PEA-GRAVEL BAGS, (OR SIMILAR PRODUCT) AROUND DRAIN INLETS LOCATED BOTH ONSITE AND IN GUTTER AS A LAST LINE OF DEFENSE. CASQA: NS-2.
GOOD HOUSEKEEPING BMPS	
K CONCRETE WASHOUTS	CONSTRUCT A CONCRETE WASHOUT SITE PLACED AT LEAST 50 FEET AWAY FROM STORM DRAINS, WATERBODIES, OR OTHER DRAINAGES. IDEALLY, PLACE ADJACENT TO STABILIZED ENTRANCE. CLEAN AS NEEDED AND REMOVE AT END OF PROJECT. CASQA: WM-8.
L STOCKPILE MANAGEMENT	COVER ALL STOCKPILES AND LANDSCAPE MATERIAL AND BERM PROPERLY WITH FIBER ROLLS OR SAND BAGS. KEEP BEHIND SILT FENCE, AWAY FROM WATERBODIES. AVOID USE OF PLASTIC SHEETING WHERE POSSIBLE TO KEEP PLASTIC FROM ENTERING WATERBODIES. CASQA: WM-3.
M HAZARDOUS MATERIAL MANAGEMENT	HAZARDOUS MATERIALS MUST BE KEPT IN CLOSED CONTAINERS THAT ARE COVERED AND UTILIZE SECONDARY CONTAINMENT, NOT DIRECTLY ON SOIL. CASQA: WM-6.
N SANITARY WASTE MANAGEMENT	PLACE PORTABLE TOILETS NEAR STABILIZED SITE ENTRANCE, BEHIND THE CURB AND AWAY FROM GUTTERS, STORM DRAIN INLETS, AND WATERBODIES. ALL PORTABLE BATHROOMS SHOULD HAVE OVERFLOW PAN/TRAY (MOST VENDORS PROVIDE THESE). CASQA: WM-9.
O EQUIPMENT AND VEHICLE MAINTENANCE	PAVEMENT EQUIPMENT FLUID LEAKS ONTO GROUND BY PLACING DRIP PANS OR PLASTIC TARPS UNDER EQUIPMENT. CASQA: NS-8, NS-9, AND NS-10.

POLLUTION CONTROL NOTES:

- ALL LOTS WILL BE ROUGH GRADED IN ACCORDANCE WITH THE GRADING PLANS PREPARED BY CSW/ST2. FUTURE FINISH GRADING SHALL DIRECT ALL STORM WATER RUNOFF TO THE STREETS OR INLETS SHOWN ON THIS PLAN AND ULTIMATELY TO THE CITY-MAINTAINED STORM DRAIN SYSTEM. ALL STORM WATER FROM THIS SITE IS INTENDED TO BE DIRECTED TO THE CITY STORM DRAINS.
- IF SIGNIFICANT SEDIMENT OR OTHER VISUAL SYMPTOMS OF IMPURITIES ARE NOTICED IN THE STORM WATER, CONTACT THE CIVIL ENGINEER IMMEDIATELY.
- CONTRACTOR IS RESPONSIBLE FOR INSPECTION AND RESTORATION OF ALL ASPECTS OF THIS PLAN. SEDIMENT ON SIDEWALKS AND GUTTERS SHALL BE REMOVED BY SHOVEL OR BROOM AND PLACED IN REAR LOT OR OTHER STOCKPILES.
- CATCH BASIN TOPS SHALL BE STAMPED TO READ, "NO DUMPING - FLOWS TO BAY".
- ALL DUMPSTERS OR OTHER TRASH STORAGE ENCLOSURES SHALL BE UTILIZED SOLELY FOR NON-HAZARDOUS MATERIALS.
- ALL EMPLOYEES, CONTRACTORS, AND SUBCONTRACTORS ARE RESPONSIBLE FOR CONFORMING TO THE ELEMENTS SHOWN ON THIS PLAN OR RELATED DOCUMENTS. ANY CONTRACTOR PLANNING TO DO WORK ON-SITE SHALL BE RESPONSIBLE FOR OBTAINING AND REVIEWING ALL INFORMATION PRIOR TO START OF WORK AND EDUCATING ALL OF THEIR EMPLOYEES OR SUBCONTRACTORS AS TO THE CONTENTS OF THIS PLAN.
- THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS AND FILING ALL PLANS WITH RELATED AGENCIES ASSOCIATED WITH THEIR WORK. THIS SHALL INCLUDE, BUT NOT BE LIMITED TO, PERMITS FOR STORAGE OF HAZARDOUS MATERIALS, BUSINESS PLANS, PERMITS FOR STORAGE OF FLAMMABLE LIQUIDS, GRADING PERMITS, OR OTHER PLANS OR PERMITS REQUIRED BY MARIN COUNTY, THE CITY OF SAUSALITO, OR OTHER AGENCIES. ALL PROPERTY OWNERS, CONTRACTORS, OR SUBCONTRACTORS WORKING ON-SITE ARE INDIVIDUALLY RESPONSIBLE FOR OBTAINING AND SUBMITTING ANY BUSINESS PLANS OR PERMITS REQUIRED BY CITY, STATE OR LOCAL AGENCIES.
- CONTRACTOR MAY RELOCATE STORAGE, DELIVERY, OR WASH-OUT AREAS, TO SUIT THEIR OPERATIONS. RELOCATED LOCATION TO BE SHOWN ON PLANS MAINTAINED AT JOBSITE. CONTACT CIVIL ENGINEER FOR ANY PLAN REVISIONS. PLAN REVISIONS SHALL BE SUBMITTED TO CITY IF REQUESTED. CONTRACTOR TO MAINTAIN SECONDARY CONTAINMENT AS NECESSARY TO PROHIBIT POLLUTION AND TOXIC MATERIALS FROM ENTERING STORM DRAIN.
- AFTER COMPLETION OF THE CURB, GUTTER, AND PAVING, OR CONCRETE V-DITCHES THE SILT FILTERS SHALL BE MODIFIED TO BURLAP SACKS FILLED WITH 3/4" DRAIN ROCK OR OTHER ACCEPTED BMP POSITIONED SURROUNDING EACH CATCH BASIN.

EROSION CONTROL NOTES:

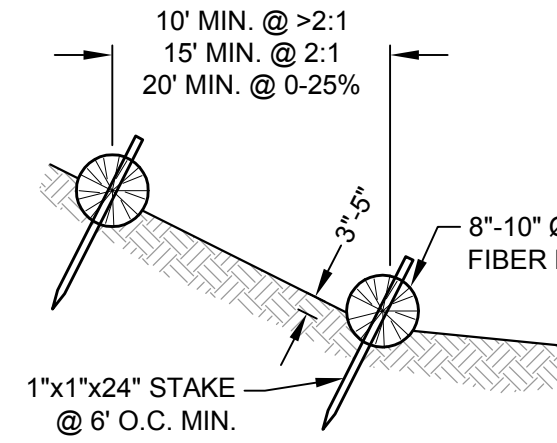
- NO VEHICLES SHALL BE ALLOWED TO TRACK OR SPREAD SOIL FROM THE CONSTRUCTION AREAS ONTO EXISTING PAVED PUBLIC STREETS. ANY VEHICLE OPERATING WITHIN THE PROJECT AREA AND OFF THE PAVED STREET SHALL CROSS A CONSTRUCTION ENTRANCE AS SHOWN HEREIN. THE ENTRANCE MAY BE MODIFIED BY THE CONTRACTOR TO FACILITATE HIS OPERATIONS.
- THE EROSION AND SEDIMENT CONTROL MEASURES WILL BE OPERABLE DURING THE RAINY SEASON, OCTOBER 1ST TO APRIL 15TH. NO GRADING WILL OCCUR BETWEEN OCTOBER 1ST AND APRIL 15TH, UNLESS AUTHORIZED BY THE DIRECTOR OF PUBLIC WORKS.
- CHANGES TO THIS STORM WATER POLLUTION PREVENTION PLAN TO MEET FIELD CONDITIONS WILL BE MADE ONLY WITH THE APPROVAL OF, OR AT THE DIRECTION OF THE CITY. CHANGES MADE TO SUIT FIELD CONDITIONS SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CIVIL ENGINEER AND THE CITY ENGINEER.
- DURING THE RAINY SEASON, ALL PAVED AREAS WILL BE KEPT CLEAR OF EARTH MATERIAL AND DEBRIS. THE SITE WILL BE MAINTAINED SO THAT A MINIMUM OF SEDIMENT-LADEN RUNOFF ENTERS THE STORM DRAIN SYSTEM. THESE PLANS SHALL REMAIN IN EFFECT UNTIL THE TRACT IMPROVEMENTS ARE ACCEPTED BY THE CITY, AND ALL SLOPES ARE STABILIZED FROM EROSION.
- STRAW AND TACKIFIER WILL BE APPLIED BY OCTOBER 1ST TO ALL DISTURBED AREAS. ALL EXPOSED SLOPES ADJACENT TO PUBLIC RIGHTS OF WAY SHALL ALSO RECEIVE STRAW AND TACKIFIER. STRAW AND TACKIFIER TO BE APPLIED PER MANUFACTURER'S SPECIFICATIONS AND SHALL BE APPLIED AT A RATE OF 2 TONS PER ACRE MINIMUM.
- ROUGH GRADED DITCHES SHALL BE LINED WITH EROSION CONTROL BLANKETS AND THEN HYDROSEEDED.
- THIS PLAN ASSUMES THE COMPLETION OF GRADING AND STORM DRAIN FACILITIES. IF FACILITIES ARE NOT COMPLETED, CONTACT THE CIVIL ENGINEER FOR PLAN REVISIONS.
- ALL BANKS AND ALL GRADED AREAS SHALL BE HYDROSEEDING TO CONTROL EROSION BY OCTOBER 1ST.

URBAN RUNOFF POLLUTION NOTES:

- STABILIZE ALL DENuded AREAS AND MAINTAIN EROSION CONTROL MEASURES CONTINUOUSLY BETWEEN OCTOBER 1 AND APRIL 1.
- REMOVE SPOILS PROMPTLY AND AVOID STOCKPILING OF FILL MATERIALS WHEN RAIN IS FORECAST. IF RAIN THREATENS, STOCK-PILED SOILS AND OTHER MATERIALS SHALL BE TARPED, AT THE REQUEST OF THE CITY ENGINEER.
- STORE, HANDLE AND DISPOSE OF CONSTRUCTION MATERIALS AND WASTES SO AS TO PREVENT THEIR ENTRY TO THE STORM DRAIN SYSTEM. CONTRACTOR MUST NOT ALLOW CONCRETE, WASHWATERS, SLURRIES, PAINT OR OTHER MATERIALS TO ENTER CATCH BASINS OR TO ENTER SITE RUNOFF.
- USE FILTRATION OR OTHER MEASURES TO REMOVE SEDIMENT FROM DEWATERING EFFLUENT.
- NO CLEANING, FUELING OR MAINTAINING VEHICLES ON SITE SHALL BE PERMITTED IN ANY MANNER THAT ALLOWS DELETERIOUS MATERIALS TO ENTER CATCH BASINS OR TO ENTER SITE RUNOFF.
- USE OF PESTICIDES AND/ OR FERTILIZERS SHALL BE APPLIED AND CONTROLLED TO PREVENT POLLUTION RUNOFF.
- IN THE EVENT GRADING OPERATIONS ARE SUSPENDED BY WEATHER CONDITIONS AND IF THE STORM DRAIN SYSTEM IS INCOMPLETE, INSTALL ADDITIONAL ROCK FILTERS AND OTHER FACILITIES AS DIRECTED BY CITY AND ENGINEER.
- CONTRACTOR TO RELOCATE CONCRETE WASHDOWN, VEHICLE STORAGE DELIVERY, AND NON HAZARDOUS WASTE AREAS AS NECESSARY TO FACILITATE THEIR OPERATION AND PROMOTE POLLUTION CONTROL.
- HYDROMULCH & TACKIFIER MAY BE ELIMINATED WITHIN BUILDING FOOT PRINT IF CONSTRUCTION IS IMMINENT.

BMP IMPLEMENTATION SCHEDULE:

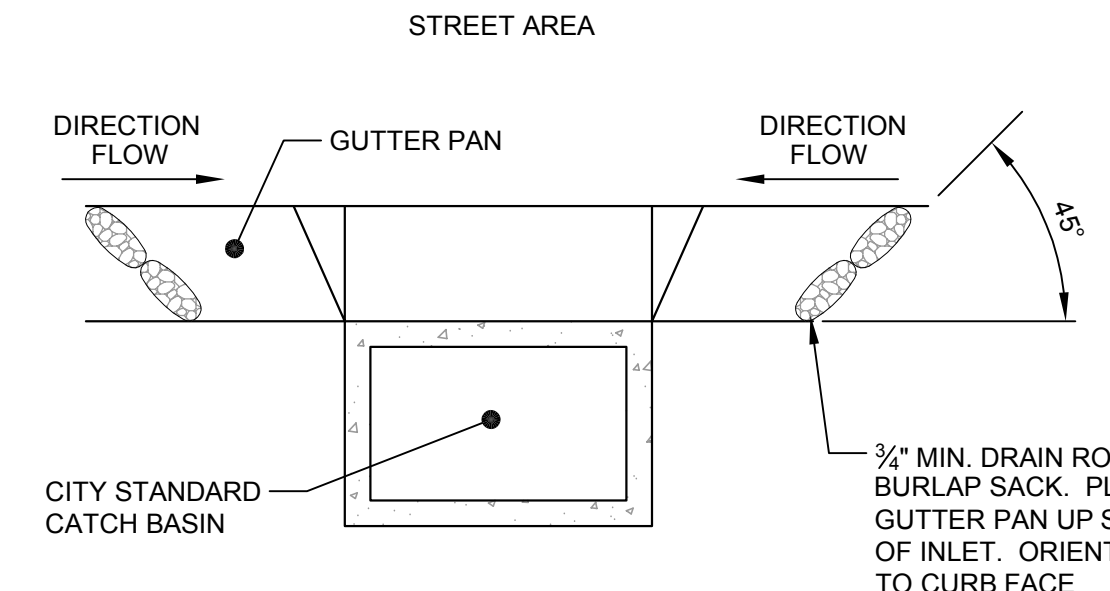
- ALL BMP'S TO BE INSTALLED PRIOR TO A QUALIFIED STORM EVENT..
- PERIMETER CONTROL, EXISTING INLET PROTECTION, AND CONSTRUCTION ENTRANCE SHALL BE INSTALLED PRIOR TO COMMENCEMENT OF COST..
- ALL OTHER BMP'S SHALL BE INSTALLED AT COMPLETION OF CONSTRUCTION OF EACH INLET.



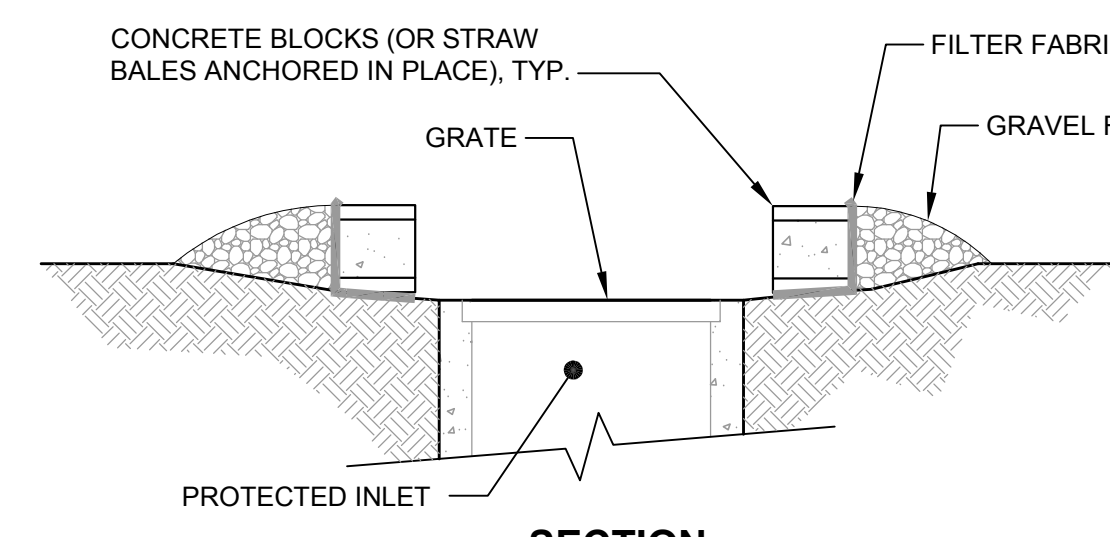
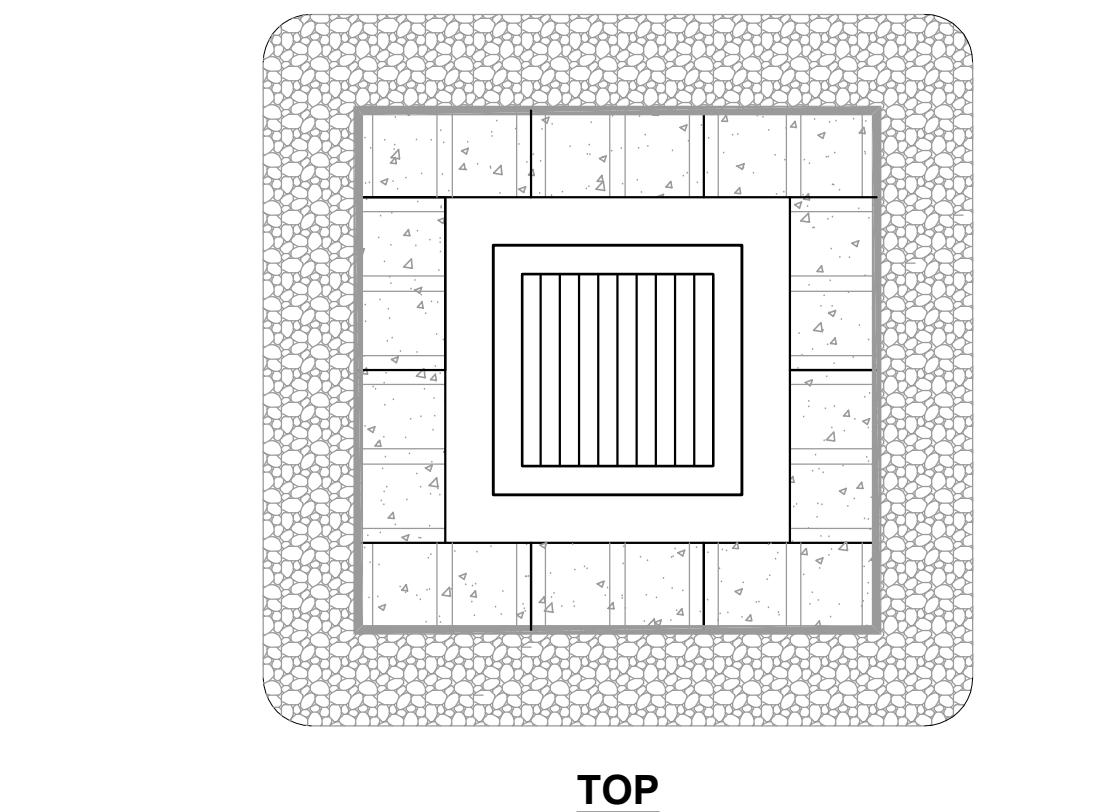
NOTES

- FIBER ROLLS TO BE LAID ALONG CONTOUR.

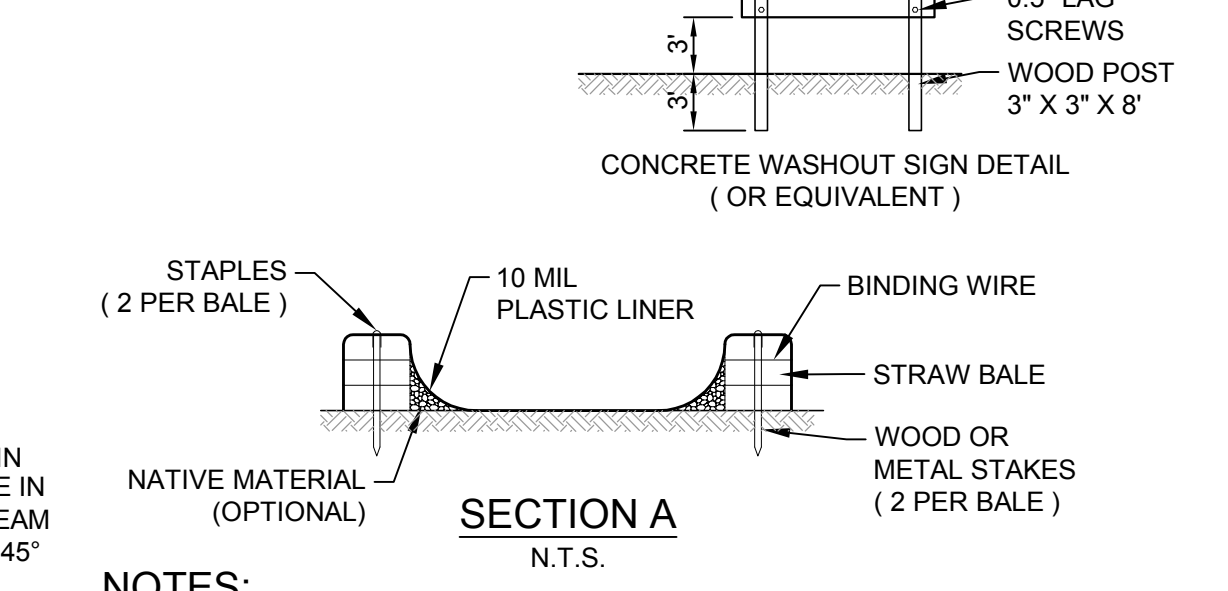
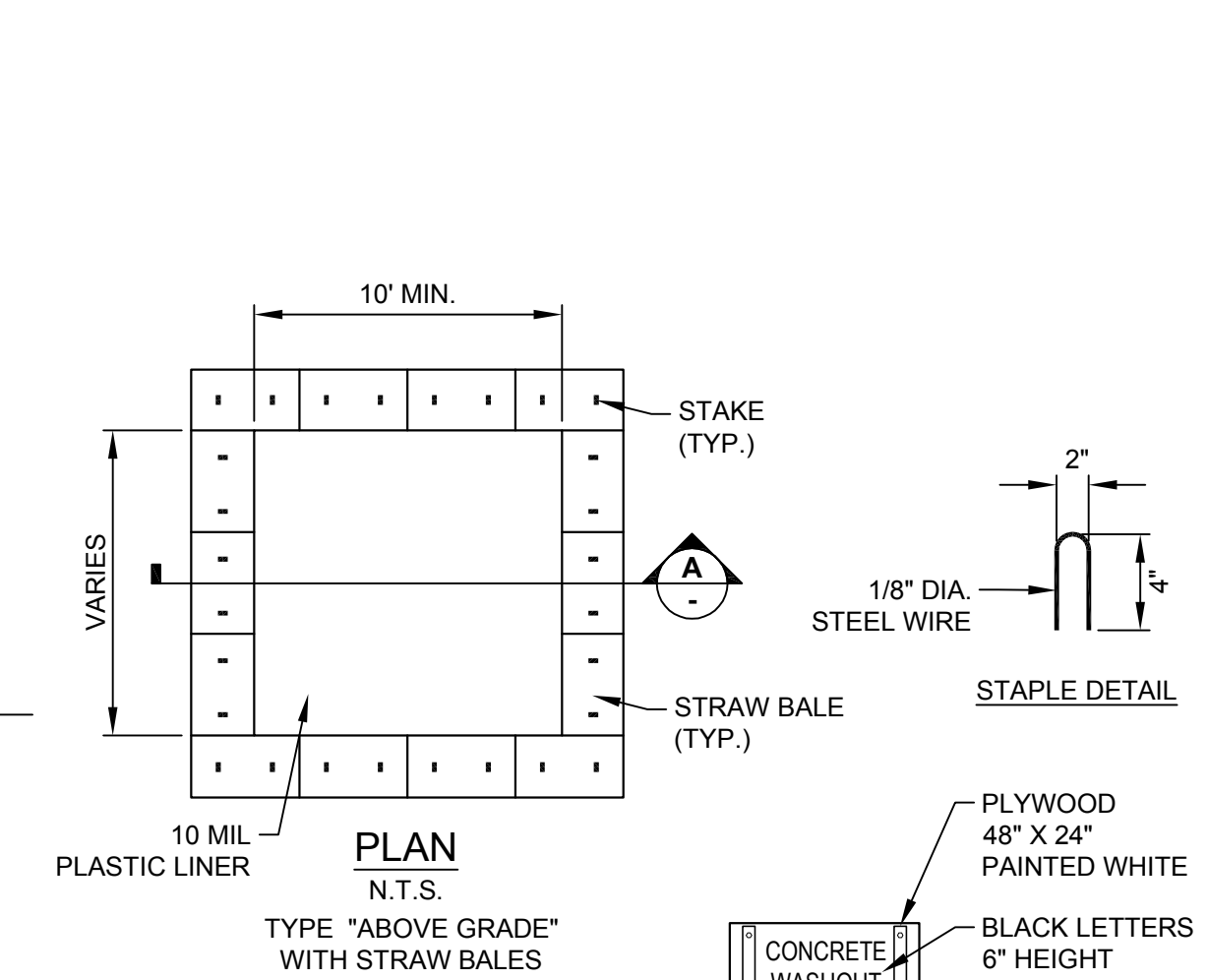
1 FIBER ROLL INSTALLATION DETAILS
SCALE: NTS



2 GRAVEL BAG FILTER AT GUTTER IN TRAFFIC AREAS
SCALE: NTS



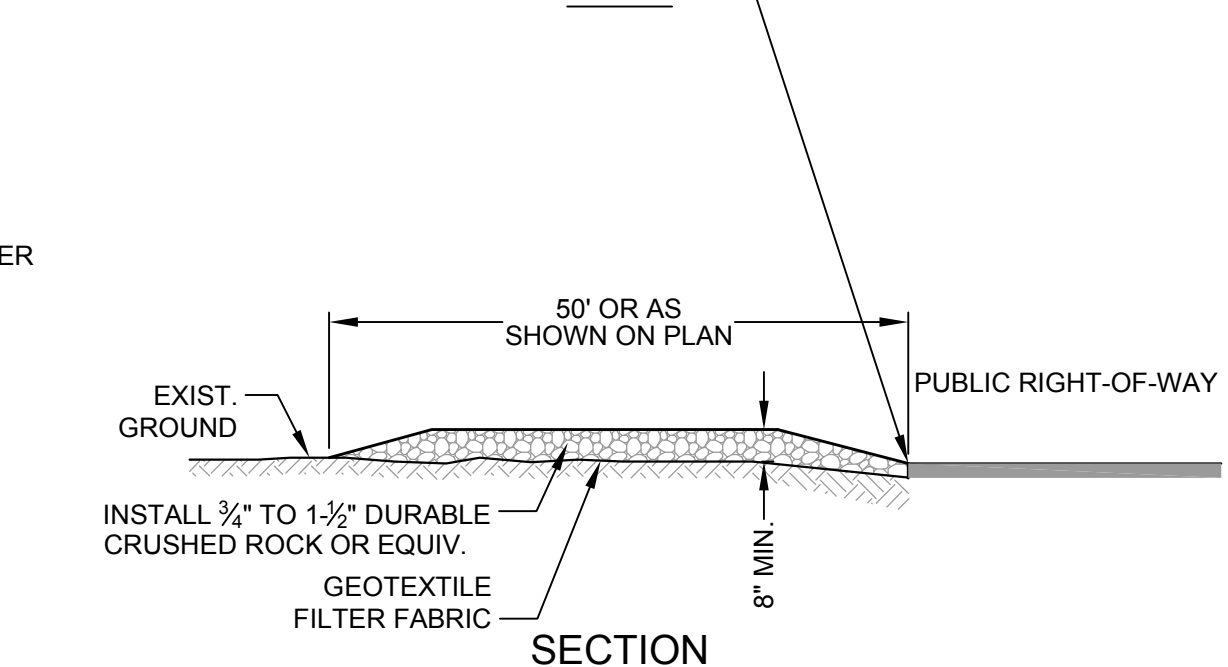
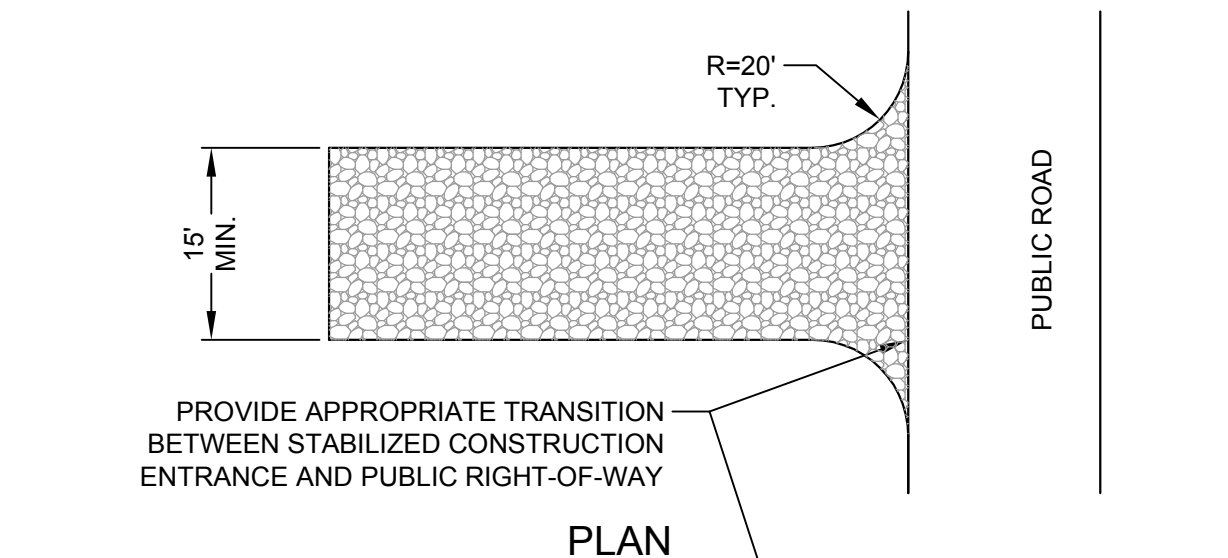
3 INLET PROTECTION DETAIL
SCALE: NTS



NOTES:

- ACTUAL LAYOUT DETERMINED IN FIELD.
- THE CONCRETE WASHOUT SIGN SHALL BE INSTALLED WITHIN 30 FEET OF THE TEMPORARY CONCRETE WASHOUT FACILITY.

4 TEMPORARY CONCRETE WASHOUT DETAIL
SCALE: 1" = 1'



5 TEMPORARY STABILIZED CONSTRUCTION ENTRANCE
SCALE: NTS

Checked	Drawn	Designed	Description	Date	Rev

SOUTHVIEW PARK
EROSION CONTROL
NOTES & DETAILS
APN: 065-234-01

City Of
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County Of
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State Of
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Prepared Under the Direction of:



Sheet	C8.1
Scale:	As Shown
Date:	2/18/2020
Project Number:	4.1213.00
Plan File:	D-5472-17

STRUCTURAL NOTES:

I. DESIGN CRITERIA:

- DESIGN CONFORMS TO THE CALIFORNIA BUILDING CODE (CBC), 2016 EDITION, AND AMENDMENTS BY THE LOCAL JURISDICTION.
- DEAD LOADS: BASED ON WEIGHTS OF EXISTING AND NEW MATERIALS OF CONSTRUCTION.
- LIVE LOADS:
RECREATIONAL USE (TENNIS COURT) = 75 PSF
YARDS AND TERRACES, PEDESTRIAN = 100 PSF
- SEISMIC (ASCE 7-10):
 $V = 1.00 W$ (LRFD)
SEISMIC DESIGN CATEGORY = D
IMPORTANCE FACTOR (I) = 1.0
REDUNDANCY FACTOR $RHO (\rho)$ = 1.0
SITE CLASS = C
LAT., LONG. (37.85, -122.48)
MAPPED VALUES $Ss = 1.5$
 $S1 = 0.634$
 $Sd = 1.00$
SEISMIC VALUES $SD1 = 0.548$

II. STRUCTURAL DRAWINGS:

- NOTES, TYPICAL DETAILS AND SCHEDULES APPLY TO ALL STRUCTURAL WORK UNLESS NOTED OTHERWISE. FOR CONDITIONS NOT SPECIFICALLY SHOWN PROVIDE DETAILS OF A SIMILAR NATURE. VERIFY APPLICABILITY WITH THE ENGINEER IF NEEDED.
- REVIEW ALL EXISTING FEATURES AND CONDITIONS UPON WHICH THESE DRAWINGS RELY.
- COMPARE STRUCTURAL DRAWINGS WITH THE VARIOUS OTHER DRAWINGS AND SPECIFICATIONS BEFORE COMMENCING THE WORK. NOTIFY THE ENGINEER OF ANY DISCREPANCIES AND DO NOT PROCEED WITH AFFECTED WORK UNTIL THEY ARE RESOLVED.
- DO NOT SCALE DRAWINGS TO OBTAIN DIMENSIONAL INFORMATION.
- SEE ARCHITECTURAL, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS AND SPECIFICATIONS FOR INSERTS, SLEEVES, BLOCKOUTS AND OTHER CONDITIONS.
- SEE ARCHITECTURAL DRAWINGS FOR ALL WATERPROOFING AND DAMPROOFING DETAILS.

III. CONSTRUCTION:

- ALL WORK SHALL CONFORM TO CALIFORNIA BUILDING CODE, 2016 EDITION.
- THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE PROTECTION OF LIFE AND PROPERTY DURING CONSTRUCTION OF THIS BUILDING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN AND CONSTRUCTION OF ANY SHORING, BRACING AND SCAFFOLDING REQUIRED TO COMPLETE THIS WORK. THE CONTRACTOR SHALL PROVIDE ADEQUATE SHORING, BRACING, AND SCAFFOLDING IN ACCORDANCE WITH ALL NATIONAL, STATE AND LOCAL SAFETY ORDINANCES. SHORING AND BRACING SHALL REMAIN IN PLACE UNTIL FLOORS, ROOFS, WALLS, AND SHEATHING THAT AFFECT THE SHORED PORTION OF THE WORK HAVE BEEN ENTIRELY CONSTRUCTED. THE ENGINEER'S PRESENCE OR REVIEW OF THE WORK DOES NOT INCLUDE THE ADEQUACY OF THE CONTRACTOR'S METHODS OR MEASURES.
- THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO PREVENT DAMAGE AND MINIMIZE MOVEMENT/SETTLEMENT OF EXISTING OR NEW CONSTRUCTION INSIDE OR OUTSIDE OF THE PROJECT LIMITS. THE CONTRACTOR SHALL PROVIDE AND BE RESPONSIBLE FOR ALL SHORING, BRACING, AND SOIL RETENTION SYSTEMS NEEDED TO BRING THE PROJECT TO ITS PERMANENT (AS DESIGNED) CONDITION.
- THE CONTRACTOR'S TEMPORARY MEASURES SHALL BE ARRANGED OR DESIGNED SO AS TO NOT ALTER OR AFFECT THE PERMANENT STRUCTURE.
- THE IMPOSED CONSTRUCTION LOADS SHALL NOT BE MORE THAN DESIGN LIVE LOADS.
- WORK SHALL INCLUDE REPAIR AND/OR REPLACEMENT OF DEFECTIVE ITEMS.
- OPENINGS IN FLOORS, SHEAR WALLS, BEAMS, OR JOISTS LARGER THAN THOSE SHOWN ON TYPICAL DETAILS OR STRUCTURAL DRAWINGS SHALL BE REVIEWED BY STRUCTURAL ENGINEER BEFORE PROCEEDING WITH THE WORK.

IV. EXISTING CONDITIONS:

- INFORMATION REGARDING EXISTING CONDITIONS IS PRESENTED FOR REFERENCE ONLY. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS BEFORE STARTING WORK AND NOTIFY THE ARCHITECT AND ENGINEER OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK.
- THE REMOVAL CUTTING, DRILLING, ETC. OF EXISTING WORK SHALL BE PERFORMED WITH GREAT CARE AND SMALL TOOLS IN ORDER NOT TO JEOPARDIZE THE STRUCTURAL INTEGRITY OF THE BUILDING. IF STRUCTURAL MEMBERS NOT INDICATED FOR REMOVAL INTERFERE WITH THE NEW WORK, THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY AND PRIOR APPROVAL OBTAINED BEFORE PROCEEDING WITH THE WORK.

V. EXCAVATION, UNDERPINNING AND SHORING:

- THE CONTRACTOR SHALL PROVIDE ALL MEASURES AND PRECAUTIONS NECESSARY TO PREVENT DAMAGE AND MINIMIZE SETTLEMENT OF EXISTING OR NEW CONSTRUCTION INSIDE OR OUTSIDE OF THE PROJECT LIMITS. ANY DAMAGE TO NEW OR EXISTING CONSTRUCTION INSIDE OR OUTSIDE OF THE PROJECT LIMITS CAUSED BY CONSTRUCTION TECHNIQUES OR MOVEMENTS OF THE SOIL RETENTION SYSTEMS IS THE RESPONSIBILITY OF THE CONTRACTOR.
- DESIGN AND CONSTRUCTION OF TEMPORARY AND/OR PERMANENT UNDERPINNING, SHORING AND BULK HEADING FOR EARTH RETENTION DURING EXCAVATION SHALL BE BY AN EXPERIENCED SUBCONTRACTOR WHO SPECIALIZES IN THIS TYPE OF WORK.
- SHORING, UNDERPINNING, AND EARTH RETENTION CALCULATIONS AND DRAWINGS, IF REQUIRED, SHALL BE PREPARED AND SUBMITTED TO THE SOILS ENGINEER AND STRUCTURAL ENGINEER FOR REVIEW PRIOR TO CONSTRUCTION. CALCULATIONS AND DRAWINGS SHALL BE PREPARED UNDER THE SUPERVISION OF, AND SIGNED AND STAMPED BY A CIVIL ENGINEER LICENSED IN THE STATE OF CALIFORNIA.
- THE CONTRACTOR SHALL COORDINATE ALL ELEMENTS OF THE SOIL RETENTION SYSTEMS WITH ALL ELEMENTS OF THE PERMANENT BUILDING.
- THE EXCAVATION SEQUENCES SHALL BE CONTROLLED TO MATCH THE REQUIREMENTS OF THE DESIGN OF THE SOIL RETENTION SYSTEM AND TO PERMIT MONITORING OF WALL AND GROUND MOVEMENTS.
- PRIOR TO ANY EXCAVATION OR INSTALLATION OF ELEMENTS OF THE SOIL RETENTION SYSTEM, THE CONTRACTOR SHALL ESTABLISH BENCH MARKS AROUND THE PERIMETER OF THE AREA TO BE EXCAVATED. THESE MARKS SHALL BE SURVEYED FOR VERTICAL AND HORIZONTAL MOVEMENT AT WEEKLY INTERVALS DURING ACTUAL EXCAVATION AND CONTINUING DURING EACH SUBSEQUENT PHASE OF THE WORK AND SUBMITTED TO THE ENGINEER FOR INFORMATION. SEE THE SOILS REPORT FOR SPECIFIC RECOMMENDATIONS.
- THE CONTRACTOR SHALL PROVIDE POSITIVE PROTECTION (MAT/SHEET COVERINGS) FOR ALL EXCAVATION SLOPES TO PROTECT SLOPES FROM INSTABILITY AND DETERIORATION DUE TO RAIN OR WIND.
- THE OWNER'S SOIL TESTING LABORATORY SHALL REVIEW AND MONITOR THE EXCAVATION, DEWATERING AND SOIL RETENTION SYSTEMS. THE CONTRACTOR SHALL PROVIDE, INSTALL AND SURVEY:
A. VERTICAL AND HORIZONTAL MOVEMENTS OF THE TOP OF THE SOIL RETENTION SYSTEM.
B. BENCH MARKS ADJACENT TO AND AWAY FROM THE SITE PERIMETER FOR VERTICAL AND HORIZONTAL MOVEMENTS.
C. OBSERVATION WELLS FOR MONITORING WATER LEVELS BELOW GROUND SURFACE.

VI. FOUNDATIONS / SITE PREPARATION:

- FOUNDATION DESIGN IS BASED ON CHAPTER 18, CBC. THE GEOTECHNICAL INVESTIGATION REPORT ENTITLED "GEOTECHNICAL INVESTIGATION TENNIS COURT RENOVATION", DATED 11/09/2011, BY ROLLO & RIDLEY GEOTECHNICAL ENGINEERS & SCIENTISTS CONTINUOUS FOOTINGS:
MAXIMUM SOIL PRESSURE = 4,000 PSF DL + LL
 = 5,333 PSF DL + LL + SEISMIC/WIND
- ALL SITE GRADING, FILLS AND SOIL PREPARATION SHALL CONFORM TO THE SOIL REPORT AND ALL WORK SHALL BE DONE UNDER THE SUPERVISION OF THE OWNER'S SOIL TESTING LABORATORY OR THE SOILS ENGINEER.
- FOOTINGS SHALL EXTEND TO SUCH DEPTH AS TO BEAR ON FIRM, UNDISTRICTED SOIL. FOOTING DEPTHS SHOWN ON THE DRAWINGS ARE MINIMUM DEPTHS. FOOTINGS MAY BE POURED IN NEAT EXCAVATED TRENCHES, PROVIDED PRECAUTIONS ARE TAKEN TO INSURE NO CAVING OR SLUFFING OCCURS WHICH WILL RESULT IN UNSUITABLE BASE CONDITIONS OR INCLUSION OF SOIL MATERIAL IN THE CONCRETE WORK.
- MATERIALS FOR SUB-CAPILLARY BREAK UNDER CONCRETE SLABS ON GRADE SHALL BE FREE-DRAINING GRAVEL OR CRUSHED ROCK. NOT MORE THAN 25% OF ROCK MAY PASS A $1/2$ " SIEVE AND NOT MORE THAN 6% MAY PASS A $3/8$ " SIEVE. ROCK COURSE SHALL BE ROLLED TO A SMOOTH SURFACE. A 2" MINIMUM LAYER OF CLEAN, IMPORTED AND SAND SHALL BE PLACED OVER THE SUB-SLAB VAPOR BARRIER OR MEMBRANE. MOISTEN SAND JUST PRIOR TO POURING CONCRETE SLAB.
- BEFORE BACKFILLING BEHIND CONCRETE WALLS (BASEMENT WALLS, RETAINING WALLS, ETC.) CONCRETE SHALL HAVE ATTAINED FULL DESIGN STRENGTH AND ALL SUPPORTS (FLOORS, SLABS, BEAMS, ETC.) WHICH ARE REQUIRED FOR THE STABILITY OF THE WALL SHALL HAVE BEEN COMPLETED.
- FOOTING EXCAVATIONS SHALL BE CLEANED OF LOOSE SOILS. NO FOUNDATIONS SHALL BE POURED INTO OR AGAINST SUB-GRADE CONTAINING FREE WATER. DEWATERING, IF REQUIRED, MUST BE CAREFULLY AND PROPERLY DONE TO AVOID DISTURBING THE FOUNDATION SOILS. OVER-EXCAVATED AREA FOUNDATIONS MUST BE BACKFILLED WITH CONCRETE.
- A GEOTECHNICAL ENGINEER SHALL BE RETAINED TO PROVIDE OBSERVATION AND TESTING SERVICES DURING THE GRADING AND FOUNDATION PHASE OF CONSTRUCTION PER GEOTECHNICAL REPORT RECOMMENDATIONS. INSPECTION AND TESTING REPORTS SHALL BE SUBMITTED TO THE BUILDING DEPARTMENT.

VII. CONCRETE WORK:

- CONTRACTOR SHALL SUBMIT FOR REVIEW BY THE ARCHITECT THE CONTRACTOR'S PROPOSED CONCRETE MIXES, DESIGNED BY THE CONCRETE SUPPLIER AND REVIEWED BY THE OWNER'S TESTING AGENCY. (INCLUDE INFORMATION TO SHOW CONFORMANCE WITH MATERIAL, STRENGTH, AND PROPORTIONING REQUIREMENTS OF THE CONTRACT DOCUMENTS.)
- CONTRACTOR SHALL INFORM THE ENGINEER AT LEAST 2 DAYS PRIOR TO POURING ANY STRUCTURAL CONCRETE FOR THE OPPORTUNITY TO REVIEW THE WORK PRIOR TO PLACEMENT.
- PROVIDE CONCRETE IN CONFORMANCE WITH THE FOLLOWING SPECIFICATIONS:

TYPE	COMPRESSIVE ^A STRENGTH	SLUMP ^B	W/C ^C RATIO	UNIT WT.
STRUCTURAL SLAB	3,000 PSI L.S. ^D	3 1/2"	0.45	150 PCF
FOOTINGS, PIERS, GRADE BEAMS & WALLS	3,000 PSI	3 1/2"	0.50	150 PCF
SLAB ON GRADE	2,500 PSI L.S. ^D	3 1/2"	0.45	150 PCF

- A. ASTM C94 MINIMUM 28 DAY ULTIMATE COMPRESSIVE STRENGTH.
B. MINIMUM CONSISTENT SLUMP WITH PROPER PLACING.
C. WATER TO CEMENT RATIO.
D. L.S. = LOW SHRINKAGE MIX, SEE SECTION 7.
- PROPORTION CONCRETE WITH A MINIMUM OF 20% AND A MAXIMUM OF 30% FLY ASH OR 50% SLAG REPLACEMENT.
- USE WATER THAT IS CLEAN AND FREE FROM INJURIOUS AMOUNTS OF OILS, ACIDS, ALKALIS, SALTS, ORGANIC MATERIALS, OR OTHER SUBSTANCES DELETERIOUS TO CONCRETE OR REINFORCEMENT. NO CALCIUM CHLORIDE SHALL BE USED IN ANY CONCRETE.
- USE 1" x #4 MAXIMUM AGGREGATE WHEREVER CLEARANCES PERMIT. USE $3/8$ " MAXIMUM AGGREGATE ONLY WHERE NECESSARY FOR PROPER PLACING, SUCH AS IN THIN SECTIONS, ETC.
- ALL CONCRETE USED IN SUSPENDED SLAB AND SLABS ON GRADE SHALL BE DESIGNED FOR LOW SHRINKAGE (L.S.). ACCEPTABLE COURSE AGGREGATES FOR LOW SHRINKAGE CONCRETE INCLUDE KAISER CLAYTON, GRANITE ROCK, LIMESTONE, SECHELT, OR ORCAS AGGREGATES. FINE AGGREGATES ACCEPTABLE FOR LOW SHRINKAGE CONCRETE INCLUDE SECHELT OR ORCAS SANDS. ALTERNATE AGGREGATES MAY BE SUBMITTED PROVIDED THEY PROVIDE A CONCRETE MIX WITH SHRINKAGE LIMITATION OF 0.040% AFTER 28 DAYS OF DYING. SUBMIT TEST TO ARCHITECT AND ENGINEER FOR REVIEW.
- WHERE NOT SHOWN ON STRUCTURAL DRAWINGS. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS AND LOCATIONS OF SLAB AND WALL OPENINGS, SLAB EDGE LOCATIONS, INTERIOR CONCRETE WALLS AND CURBS, TOP OF FLOOR SLAB ELEVATIONS, SLAB DEPRESSIONS REQUIRED TO ACCOMMODATE FLOOR FINISH DETAILS, AND CONCRETE STAIRS.
- PIPES, SLEEVES, AND OTHER EMBEDDED ITEMS OTHER THAN ELECTRICAL CONDUIT LESS THAN 1" DIAMETER MAXIMUM SHALL NOT BE EMBEDDED IN STRUCTURAL CONCRETE OR INTERRUPT REINFORCING BARS UNLESS APPROVED BY ENGINEER OF RECORD.
- ALL REINFORCING EMBEDMENTS, INSERTS, ETC. SHALL BE POSITIVELY SECURED IN PROPER LOCATION BEFORE CONCRETE IS PLACED. PROVIDE SUFFICIENT SUPPORT TO PREVENT DISPLACEMENT DURING PLACING AND FINISHING OPERATIONS.
- ALL CONCRETE EXCEPT SLABS ON GRADE 6" THICK OR LESS SHALL BE MECHANICALLY VIBRATED SO AS TO COMPLETELY FILL THE FORMS WITHOUT CAUSING UNDUE SEGREGATION.
- HORIZONTAL CONSTRUCTION JOINTS SHALL BE LOCATED AS SHOWN ON THE DRAWINGS, AND THE HARDENED CONCRETE SURFACES SHALL BE CLEANED BY SAND-BLASTING OR OTHER APPROVED MEANS TO EXPOSE FIRMLY EMBEDDED AGGREGATES PRIOR TO POURING ADDITIONAL CONCRETE IN CONTACT WITH THESE SURFACES.
- VERTICAL CONSTRUCTION JOINTS SHALL BE FORMED AND KEYPED AND NOT OVER 60 FEET APART. VERTICAL CONSTRUCTION JOINTS THROUGH BEAMS OR SLABS SHALL BE LOCATED BETWEEN THE $1/4$ AND $1/2$ POINTS OF THE SPAN. THE CONTRACTOR SHALL SUBMIT DETAILED DRAWINGS SHOWING THE LOCATIONS OF ALL CONSTRUCTION JOINTS AND CONTROL JOINTS.
- FORMS SHALL BE PROPERLY CONSTRUCTED CONFORMING TO CONCRETE SURFACES AS SHOWN ON THE DRAWINGS, SUFFICIENTLY TIGHT TO PREVENT LEAKAGE, SUFFICIENTLY STRONG AND BRACED TO MAINTAIN THEIR SHAPE AND ALIGNMENT UNTIL NO LONGER NEEDED TO SUPPORT THE CONCRETE. FORMS AND SHORING SHALL NOT BE REMOVED UNTIL THE CONCRETE HAS ATTAINED SUFFICIENT STRENGTH TO WITHSTAND ALL LOADS TO BE IMPOSED WITHOUT EXCESSIVE STRESS, CREEP, OR DEFLECTION.
- GENERAL CONTRACTOR TO COORDINATE SIZE AND LOCATION OF EQUIPMENT PADS WITH MECHANICAL CONTRACTOR.

INDEX OF DRAWINGS:

S-000 - GENERAL NOTES I
S-001 - GENERAL NOTES II
S-300 - CONCRETE DETAILS
S-310 - FOUNDATION DETAILS I
S-311 - FOUNDATION DETAILS II

SPECIAL INSPECTION AND STRUCTURAL OBSERVATION :

EMPLOYMENT OF SPECIAL INSPECTION IS THE DIRECT RESPONSIBILITY OF THE OWNER. SPECIAL INSPECTOR SHALL BE ONE OF THOSE AS PRESCRIBED IN SECTION 1701.2. STRUCTURAL OBSERVATION SHALL BE PERFORMED AS PROVIDED BY SECTION 1710. A PRE-CONSTRUCTION CONFERENCE IS RECOMMENDED FOR OWNER/BUILDER OR DESIGNER/BUILDER PROJECTS, COMPLEX AND HIGHRISE PROJECTS, AND FOR PROJECTS UTILIZING NEW PROCESSES OR MATERIALS. IN ACCORDANCE WITH SECTIONS 1701: 1703: AND 1704 (2016 CBC). SPECIAL INSPECTION AND/OR TESTING IS REQUIRED FOR THE FOLLOWING WORK:

- CONCRETE PLACEMENT SAMPLING
- BOLTS INSTALLED IN CONCRETE
- SPECIAL MOMENT - RESISTING CONCRETE FRAME
- REINFORCING STEEL
- STRUCTURAL WELDING
 - PERIODIC VISUAL INSPECTION
 - SINGLE PASS FILLET WELDS
 - 3/16" OR SMALLER
 - STAIRS AND RAILING SYSTEM
 - STEEL DECK
 - WELDED STUDS
 - COLD FORMED STUDS AND JOISTS
 - REINFORCING STEEL
 - CONTINUOUS VISUAL INSPECTION AND NDT (SECTION 1704)
 - ALL OTHER WELDING (NDT EXCEPTION: FILLET WELD)
 - REINFORCING STEEL: AND NOT REQUIRED
 - MOMENT - RESISTING FRAMES
 - OTHERS: _____
 - HIGH STRENGTH BOLTING
 - STRUCTURAL MASONRY
 - PIILING, DRILLED PIERS AND CAISSON
 - SHOTCRETE
 - SPECIAL GRADING, EXCAVATION AND FILLING (GEO ENGINEERED)
 - BOLTS INSTALLED IN EXISTING CONCRETE OR MASONRY:
 - CONCRETE
 - MASONRY
 - PULL / TORQUE TESTS PER CBC SEC. 1607C & 1615C
 - SHEAR WALLS AND FLOOR SYSTEMS USED AS SHEAR DIAPHRAGMS
 - HOLD DOWNS
 - STRUCTURAL OBSERVATION PER SEC. 1704 (2016 CBC) FOR THE FOLLOWING:
 - FOUNDATIONS
 - STEEL FRAMING
 - CONCRETE CONSTRUCTION
 - MASONRY CONSTRUCTION
 - WOOD FRAMING
 - OTHERS: _____

ABBREVIATIONS:

A.B.	ANCHOR BOLT	LLH	LONG LEG HORIZONTAL
ABV.	ABOVE	LLV	LONG LEG VERTICAL
ADD'TL	ADDITIONAL	LONG.	LONGITUDINAL
ALT.	ALTERNATE	MAX.	MAXIMUM
ARCH.	ARCHITECT	MECH.	MECHANICAL
B.L.D.G.	BUILDING	MFR.	MANUFACTURER
BLW.	BELOW	MIN.	MINIMUM
BM.	BEAM	MISC.	MISCELLANEOUS
B.N.	BOUNDARY NAIL	(N)	NEW
BOT.	BOTTOM	N.I.A.	NOT IN CONTRACT
C.I.P.	CAST-IN-PLATE	NOM.	NOMINAL
C.J.P.	COMPLETE JOINT PENETRATION	NO.	NUMBER
C.J.	CONTROL JOINT	N.T.S.	NOT TO SCALE
CL.	CENTER LINE	O.C.	ON CENTER
CLR.	CONCRETE MASONRY UNIT	O.H.	OPPOSITE HAND
COL.	COLUMN	OPNG.	OPENING
CONC.	CONCRETE	ORIG.	ORIGINAL
CONST.	CONSTRUCTION	O.W.J.	OPEN WEB JOIST
CONT.	CONTINUOUS	PART.	PARTITION
DBL.	DOUBLE	PERIM.	PERIMETER
DET.	DETAIL	PERP.	PERPENDICULAR
DIAM.	DIAMETER	P.L.	PLATE, PROPERTY LINE
DIAG.	DIAGONAL	P.J.P.	PARTIAL JOINT PENETRATION
DL	DEAD LOAD	P.L.Y.	PLYWOOD
DWG.	DRAWINGS	PSF	POUNDS PER SQUARE FOOT
EA.	EACH	PSI	POUNDS PER SQUARE INCH
EL.	ELEVATION	R, RAD.	RADIUS
EMBED.	EMBEDMENT	REF.	REFERENCE
E.N.	EDGE NAIL	RET.	RETURN
EQ.	EQUAL	REINF.	REINFORCING
EXIST., (E)	EXISTING	REQ'D	REQUIRED
EXT.	EXTERIOR	S.A.D.	SEE ARCHITECTURAL DRAWINGS
FDN.	FOUNDATION	SCHED.	SCHEDULE
FIN.	FINISH	S.L.D.	SEE LANDSCAPE DRAWINGS
FL.	FLOOR	SECT.	SECTION
F.N.	FIELD NAIL	SIM.	SIMILAR
FP	FULL PENETRATION	S.N.	SHEAR NAIL
FT.	FOOT	S.O.G.	SLAB ON GRADE
GA.	GUAGE	SPEC.	SPECIFICATION
GALV.	GALVANIZED	SQ.	SQUARE
GL.	GRIDLINE	STRUCT.	STRUCTURAL
GLB	GLU-LAM BEAM	S.W.	STRUCTURAL SHEAR WALL
H.S.B.	HIGH-STRENGTH BOLT	SYM.	SYMMETRICAL
HD	HOLDDOWN	T&B	TOP & BOTTOM
HORIZ.	HORIZONTAL	T&G	TONGUE & GROOVE
IN.	INCH	T.J.	TRUSS JOIST
LB.	POUND	TYP.	TYPICAL
LGS	LIGHT GAUGE STEEL	U.N.O.	UNLESS NOTED OTHERWISE
LL	LIVE LOAD	VERT.	VERTICAL
		W/	WITH
		W.F.	WIDE FLANGE
		W.P.	WORKING POINT

DESCRIPTION OF WORK:

- THIS EXISTING PARK IS LOCATED ON A STEEPLY SLOPING SITE AND IS DIVIDED INTO FOUR MAIN QUADRANTS. THE PARK RENOVATION PROJECT INCLUDES THE DESIGN OF THE FOLLOWING: A NEW CONCRETE TENNIS COURT SLAB (SOUTHWEST QUADRANT), REPLACEMENT RETAINING WALLS NORTH AND SOUTH OF THE COURT, NEW TERRACE WALLS (NORTHWEST QUADRANT), REPLACEMENT OF THE MAIN STAIRS AND STAIR RETAINING WALLS (CENTRALLY LOCATED) AND REPLACEMENT STAIRS AND PARTIAL REPLACEMENT STAIR RETAINING WALL CONNECTING THE MAIN STAIR LANDING TO THE BASKETBALL COURT (SOUTHEAST QUADRANT).

PROJECT DIRECTORY:

Owner:
DEPARTMENT OF PUBLIC WORKS
CITY OF SAUSALITO
420 LITHO STREET
SAUSALITO, CA 94965-1933
(415)289-4106

Structural Engineer:
FTF Engineering, Inc.
Contact:
Principal: John Dal Pino, SE
Project Mng'r.: Melissa Hazlett, SE
1916 McAllister Street
San Francisco, CA 94115
415-931-8460

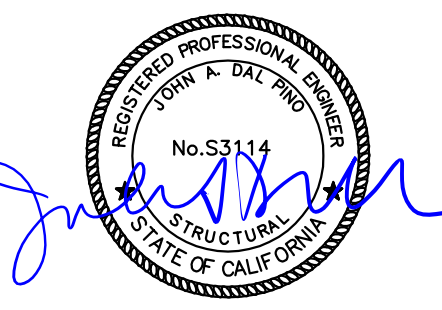
FTF

ENGINEERING

FTF ENGINEERING, INC
1916 McAllister Street
San Francisco, CA 94115
tel - 415-931-8460
fax - 415-931-8461
www.ftfengineering.com

SOUTHVIEW PARK

Sausalito, CA 94965



Issue: _____ Date: _____

Coordination 03.30.2018

75% Set 04.03.2018

100% Set 06.05.2018

Scale: AS NOTED

Job No. 17-056

General Notes I

S-000

VIII. CONCRETE REINFORCING STEEL:

1. REINFORCING BARS SHALL BE DEFORMED BARS CONFORMING TO ASTM A615 GRADE 60 FOR ALL BAR SIZES AND ASTM A706 GRADE 60 FOR ALL WELDED BARS.
2. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185 IN FLAT SHEETS, AND IN SLABS MAY BE RAISED INTO POSITION DURING THE CONCRETE POURING OPERATION. LAP WIRE FABRIC 12" MINIMUM.
3. ALL CONCRETE REINFORCEMENT SHALL BE DETAILED, FABRICATED, LABELED, SUPPORTED AND SPACED IN FORMS AND SECURED IN PLACE IN ACCORDANCE WITH THE PROCEDURES REQUIREMENTS OUTLINED IN THE LATEST EDITION OF THE "BUILDING CODE REQUIREMENTS FOR AND REINFORCED CONCRETE," ACI 318 AND THE "MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES," ACI 315.
4. UNLESS OTHERWISE NOTED, MAINTAIN COVERAGE TO FACE OF BARS AS FOLLOWS:
 - A. CONCRETE CAST AGAINST EARTH 3"
 - B. FORMED SURFACES EXPOSED TO EARTH OR WEATHER
 - NO. 5 AND SMALLER, WIRE MESH 1½"
 - ALL OTHER BARS 2"
 - C. JOISTS, SUSPENDED SLABS, INTERIOR WALL SURFACES
 - NO. 11 AND SMALLER ¾"
 - NO. 14 AND LARGER 1½"
 - D. COLUMNS, BEAMS 1½"
5. REINFORCING SHALL BE CONTINUOUS WITH SPLICES ONLY WHERE SHOWN.
6. FOR MINIMUM LAP LENGTH, SEE SCHEDULE UNLESS OTHERWISE NOTED. SPLICES TO BE STAGGERED SO THAT HALF OR LESS OF BARS ARE LAPPED AT ONE POINT.
7. BAR SUPPORTS IN CONTACT WITH EXPOSED SURFACES SHALL BE PLASTIC TIPPED.
8. BEAM AND SLAB REINFORCING SHALL NOT BE SLEEVED OR OTHERWISE INTERRUPTED EXCEPT AS SHOWN ON THE STRUCTURAL DRAWINGS. ALL WALLS AND SLABS SHALL BE DOWELED INTO FOOTINGS, WALLS, BEAMS, GIRDERS, COLUMNS OR SLABS WITH BARS OF THE SAME SIZE AND SPACING, UNLESS NOTED OTHERWISE.
9. ADDITIONAL BARS SHALL BE PROVIDED AROUND ALL FLOOR AND WALL OPENINGS, AS SHOWN ON DETAILS.
10. CHECKED SHOP DRAWINGS SHOWING REINFORCING DETAILS, INCLUDING BAR SIZES, SPACING AND PLACEMENT SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW PRIOR TO FABRICATION.

IX. EPOXY GROUTING:

1. WHERE EPOXY IN CONCRETE IS INDICATED ON PLANS OR DETAILS, USE HILTI HIT-RE 500 V3 (ICC ESR-3814), HILTI HIT-HY 200 (ICC ESR-3187), SIMPSON SET-XP ADHESIVE (ICC ESR-2508), OR DEWALT PURE 110+ ADHESIVE (ICC ESR-3298) FOR USE IN CONCRETE. (CONTRACTOR MAY SUBMIT OTHER EPOXY SYSTEMS FOR APPROVAL, ALONG WITH AN ICC-ES OR IAPMO UES REPORT DEMONSTRATING COMPLIANCE WITH THE 2015 IBC FOR THE SPECIFIC PRODUCT.)
2. WHERE EPOXY IN CMU IS INDICATED ON PLANS OR DETAILS, USE HILTI HIT-HY 70 ADHESIVE (ICC ESR-2682), SIMPSON ET-HP ADHESIVE (IAPMO UES-241) OR DEWALT AC100+ GOLD (ICC ESR-3200) FOR USE IN SOLID GROUTED MASONRY. (CONTRACTOR MAY SUBMIT OTHER EPOXY SYSTEMS FOR APPROVAL, ALONG WITH ICC-ES OR IAPMO UES REPORT DEMONSTRATING COMPLIANCE WITH THE 2015 IBC FOR THE SPECIFIC PRODUCT.)
3. WHERE EPOXY IN URM IS INDICATED ON PLANS OR DETAILS, USE HILTI HIT-HY 70 ADHESIVE ANCHOR SYSTEM (ICC ESR-3342), SIMPSON SET ADHESIVE (ICC ESR-1772) OR DEWALT AC100+ GOLD (ICC ESR-4105) FOR USE IN UNREINFORCED MASONRY. PLASTIC MESH SCREEN TUBES PER ICC ESR-3342, ICC ESR-1772 OR STEEL MESH SCREEN TUBES PER ICC ESR-4105 SHALL BE USED AT ALL ANCHOR LOCATIONS (CONTRACTOR MAY SUBMIT OTHER EPOXY SYSTEMS FOR APPROVAL, ALONG WITH ICC-ES OR IAPMO UES REPORT DEMONSTRATING COMPLIANCE WITH THE 2015 IBC FOR THE SPECIFIC PRODUCT.)
4. DRILL HOLES TO EPOXY MANUFACTURER'S RECOMMENDED SIZE. CLEAN HOLES WITH A CIRCULAR WIRE OR NYLON BRUSH AND BLOW OUT WITH COMPRESSED AIR.
5. SLOWLY INSERT ROD OR BAR WHILE TURNING ONE FULL ROTATION. DO NOT DISTURB DOWEL UNTIL EPOXY HAS SET.
6. INSTALL ADHESIVE ANCHORS THAT ARE TO BE UNDER SUSTAINED TENSION LOADING IN HORIZONTAL TO VERTICAL OVERHEAD ORIENTATION SHALL BE DONE BY A CERTIFIED ADHESIVE ANCHOR INSTALLER (AAI) AS CERTIFIED THROUGH ACI AND IN ACCORDANCE WITH ACI 318-2014 (SECTION 17.8.2.2). PROOF OF CURRENT CERTIFICATION SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO COMMENCEMENT OF INSTALLATION.

X. TESTING AND INSPECTION:

1. SPECIAL INSPECTIONS SHALL BE PERFORMED BY AN APPROVED INDEPENDENT TESTING AND INSPECTION AGENCY OR AS INDICATED BELOW.
2. THE INSPECTION AGENCY SHALL BE RETAINED BY AND PAID FOR BY THE OWNER.
3. THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER, PRIOR TO BEGINNING CONSTRUCTION, A DETAILED LIST OF "SPECIAL INSPECTION" ITEMS INDICATING THE SCOPE OF TESTING AND INSPECTION AND THE AGENCY OR ENGINEER PERFORMING THE WORK.
4. THE INSPECTION AGENCY SHALL PROVIDE INSPECTION REPORTS TO THE ARCHITECT & STRUCTURAL ENGINEER. THE REPORTS SHALL INCLUDE ANY ITEMS WHICH ARE IN NON-COMPLIANCE WITH THE DESIGN DOCUMENTS.
5. THE STRUCTURAL ENGINEER WILL REQUIRE A FINAL REPORT FROM THE INSPECTION AGENCY. THE REPORT NEEDS TO SHOW THAT ALL DEFICIENCIES MENTIONED IN EARLIER REPORTS HAVE BEEN CORRECTED. COPIES OF THE TESTING AND INSPECTION REPORT SHALL BE SENT TO THE BUILDING DEPARTMENT, ARCHITECT, STRUCTURAL ENGINEER AND OWNER.

6. PROVIDE "SPECIAL INSPECTIONS" FOR ALL ITEMS AS REQUIRED BY THE CALIFORNIA BUILDING CODE, 2016 EDITION, SEE SHEET S-1.0 UNDER "SPECIAL INSPECTION AND STRUCTURAL OBSERVATION."

INSPECTIONS BY INDEPENDENT AGENCY:

- A. SPECIAL INSPECTION OF FOUNDATION EXCAVATIONS SHALL BE PERFORMED BY THE GEOTECHNICAL ENGINEER.
- B. CONCRETE PLACEMENT: DURING THE TAKING OF TEST SPECIMENS AND PLACING OF REINFORCED CONCRETE, EXCEPT CONCRETE WHERE THE SPECIFIED STRENGTH IS 2,500 PSI OR LESS. FOUR TEST CYLINDERS FROM EACH 150 CUBIC YARDS OR FRACTION THEREOF POURED IN ANY ONE DAY SHALL BE SECURED AND REPORTED BY AN INDEPENDENT TESTING AGENCY; ONE TO BE TESTED AT 7 DAYS, TWO AT 28 DAYS, AND THE FOURTH HELD IN RESERVE.
- C. BOLTS DRILLED AND EPOXIED INTO EXISTING CONCRETE.

INSPECTIONS BY ENGINEER OF RECORD:

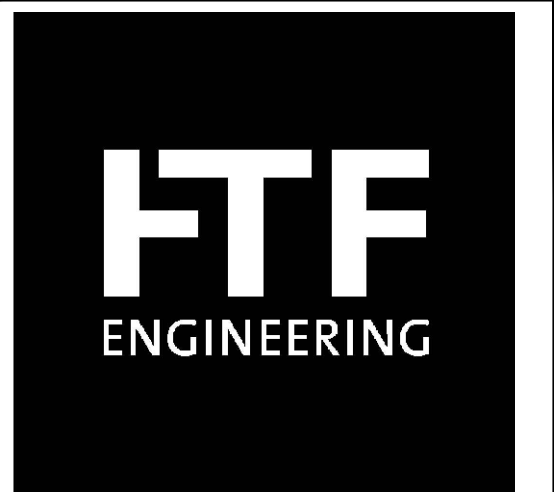
- D. FOUNDATION EXCAVATION.
- E. CONCRETE REINFORCING STEEL: DURING PLACING OF REINFORCING STEEL. EXCEPTION: THE SPECIAL INSPECTOR NEED NOT BE PRESENT DURING ENTIRE REINFORCING STEEL-PLACING OPERATIONS, PROVIDED HE/SHE HAS INSPECTED FOR CONFORMANCE WITH THE APPROVED PLANS PRIOR TO THE CLOSING OF FORMS OR THE DELIVERY OF CONCRETE TO JOBSITE.

XI. STRUCTURAL OBSERVATIONS:

1. THE STRUCTURAL ENGINEER WILL REPORT ANY OBSERVED DEFICIENCIES TO THE OWNER, CONTRACTOR OR BUILDING OFFICIAL FOLLOWING SITE VISITS. THE STRUCTURAL ENGINEER WILL PROVIDE A WRITTEN REPORT TO THE ARCHITECT AFTER EACH SITE VISIT. HOWEVER, THE STRUCTURAL ENGINEERS SITE VISITS ARE NOT CONSIDERED AS INSPECTION VISITS. THE INSPECTION AGENCY RETAINED AND PAID FOR BY THE OWNER SHALL PROVIDE INSPECTION REPORTS TO THE ARCHITECT/STRUCTURAL ENGINEER. THE REPORTS SHALL INCLUDE ANY ITEMS WHICH ARE IN NON-COMPLIANCE WITH THE DESIGN DOCUMENTS.
2. AFTER THE STRUCTURAL ENGINEER RECEIVES THE FINAL REPORT, FROM THE SPECIAL INSPECTION AGENCY, THE STRUCTURAL ENGINEER WILL SUBMIT A FINAL SUMMARY REPORT DOCUMENTING SITE VISITS AND OBSERVATIONS, NOTING ANY DEFICIENCIES THAT CORRECTIVE WORK HAS BEEN COMPLETED, AND THAT CONSTRUCTION PROCEEDED IN ACCORDANCE WITH THE APPROVED PLANS, SPECIFICATIONS AND APPLICABLE CODES AND REGULATIONS PER SECTION 1704 OF THE CALIFORNIA BUILDING CODE.
3. STRUCTURAL OBSERVATION BY THE DESIGN ENGINEER IS REQUIRED AT THE FOLLOWING PHASES, AND PRIOR TO COVERING WITH OTHER WORK:
 - A. BEFORE CLOSING OF FORMS - FOUNDATION REINFORCING AND BOLTS INSTALLED IN CONCRETE.
4. FOR A COMPLETE LIST OF REQUIRED "STRUCTURAL OBSERVATION" SEE SHEET S000 UNDER "SPECIAL INSPECTION AND STRUCTURAL OBSERVATION."

XII. EPOXY GROUTING:

1. WHERE EPOXY IN CONCRETE IS INDICATED ON PLANS OR DETAILS, USE HILTI HIT-RE 500 V3 (ICC ESR-3814), HILTI HIT-HY 200 (ICC ESR-3187), SIMPSON SET-XP ADHESIVE (ICC ESR-2508), OR DEWALT PURE 110+ ADHESIVE (ICC ESR-3298) FOR USE IN CONCRETE. (CONTRACTOR MAY SUBMIT OTHER EPOXY SYSTEMS FOR APPROVAL, ALONG WITH AN ICC-ES OR IAPMO UES REPORT DEMONSTRATING COMPLIANCE WITH THE 2015 IBC FOR THE SPECIFIC PRODUCT.)
2. WHERE EPOXY IN CMU IS INDICATED ON PLANS OR DETAILS, USE HILTI HIT-HY 70 ADHESIVE (ICC ESR-2682), SIMPSON ET-HP ADHESIVE (IAPMO UES-241) OR DEWALT AC100+ GOLD (ICC ESR-3200) FOR USE IN SOLID GROUTED MASONRY. (CONTRACTOR MAY SUBMIT OTHER EPOXY SYSTEMS FOR APPROVAL, ALONG WITH ICC-ES OR IAPMO UES REPORT DEMONSTRATING COMPLIANCE WITH THE 2015 IBC FOR THE SPECIFIC PRODUCT.)
3. WHERE EPOXY IN URM IS INDICATED ON PLANS OR DETAILS, USE HILTI HIT-HY 70 ADHESIVE ANCHOR SYSTEM (ICC ESR-3342), SIMPSON SET ADHESIVE (ICC ESR-1772) OR DEWALT AC100+ GOLD (ICC ESR-4105) FOR USE IN UNREINFORCED MASONRY. PLASTIC MESH SCREEN TUBES PER ICC ESR-3342, ICC ESR-1772 OR STEEL MESH SCREEN TUBES PER ICC ESR-4105 SHALL BE USED AT ALL ANCHOR LOCATIONS (CONTRACTOR MAY SUBMIT OTHER EPOXY SYSTEMS FOR APPROVAL, ALONG WITH ICC-ES OR IAPMO UES REPORT DEMONSTRATING COMPLIANCE WITH THE 2015 IBC FOR THE SPECIFIC PRODUCT.)
4. DRILL HOLES TO EPOXY MANUFACTURER'S RECOMMENDED SIZE. CLEAN HOLES WITH A CIRCULAR WIRE OR NYLON BRUSH AND BLOW OUT WITH COMPRESSED AIR.
5. SLOWLY INSERT ROD OR BAR WHILE TURNING ONE FULL ROTATION. DO NOT DISTURB DOWEL UNTIL EPOXY HAS SET.
6. INSTALL ADHESIVE ANCHORS THAT ARE TO BE UNDER SUSTAINED TENSION LOADING IN HORIZONTAL TO VERTICAL OVERHEAD ORIENTATION SHALL BE DONE BY A CERTIFIED ADHESIVE ANCHOR INSTALLER (AAI) AS CERTIFIED THROUGH ACI AND IN ACCORDANCE WITH ACI 318-2014 (SECTION 17.8.2.2). PROOF OF CURRENT CERTIFICATION SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO COMMENCEMENT OF INSTALLATION.
7. PER ACI 318-2014 (SECTION 17.1.2) ADHESIVE ANCHORS SHALL BE INSTALLED IN CONCRETE HAVING A MINIMUM AGE OF 21 DAYS AT THE TIME OF ANCHOR INSTALLATION. FOR INSTALLATIONS SOONER THAN 21 DAYS CONSULT ADHESIVE MANUFACTURER.



FTF ENGINEERING, INC
 1916 McAllister Street
 San Francisco, CA 94115
 tel - 415-931-8460
 fax - 415-931-8461
 www.ftfengineering.com

SOUTHVIEW PARK
 Sausalito, CA 94965



Issue:	Date:
Coordination	03.30.2018
75% Set	04.03.2018
100% Set	06.05.2018

Scale: AS NOTED
 Job No. 17-056

General Notes II

S-001

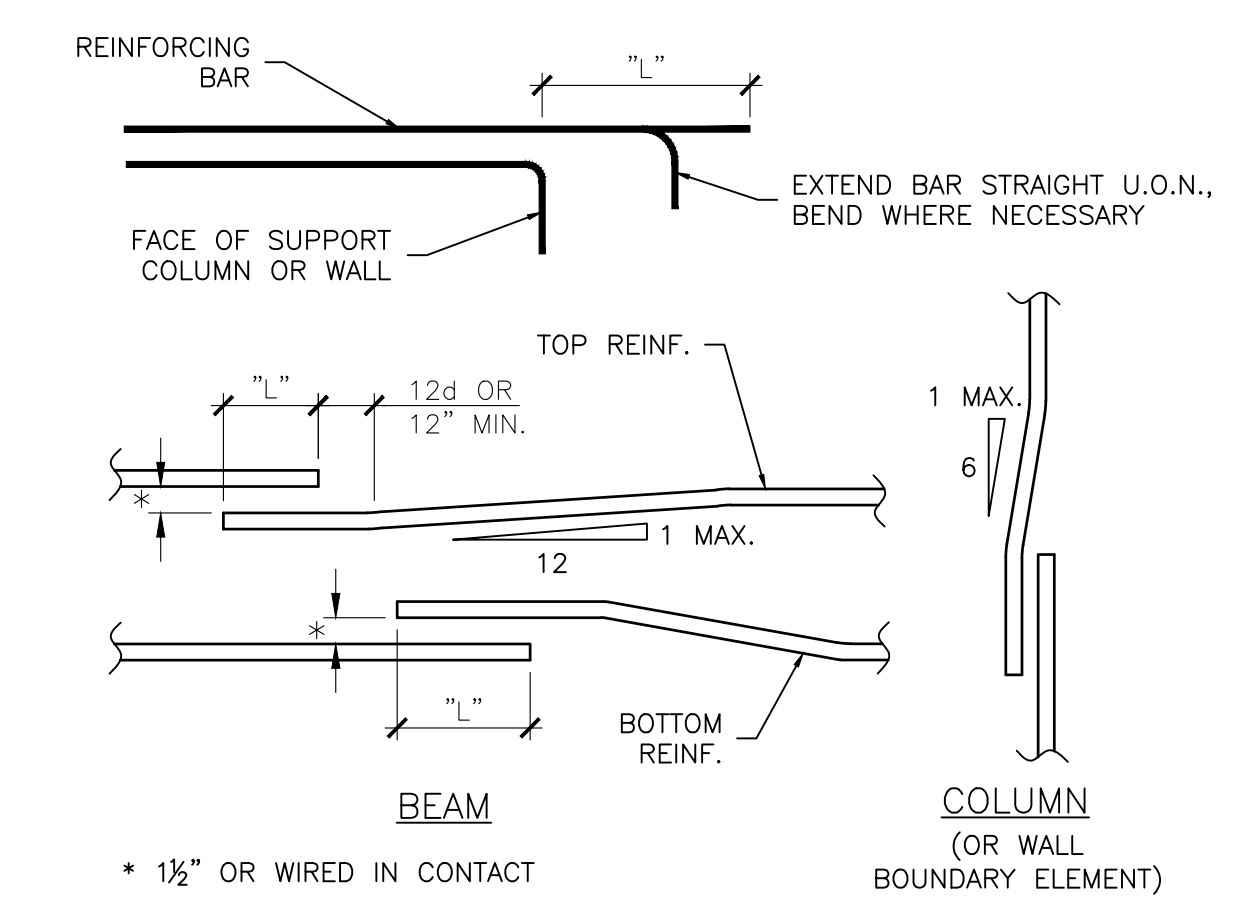
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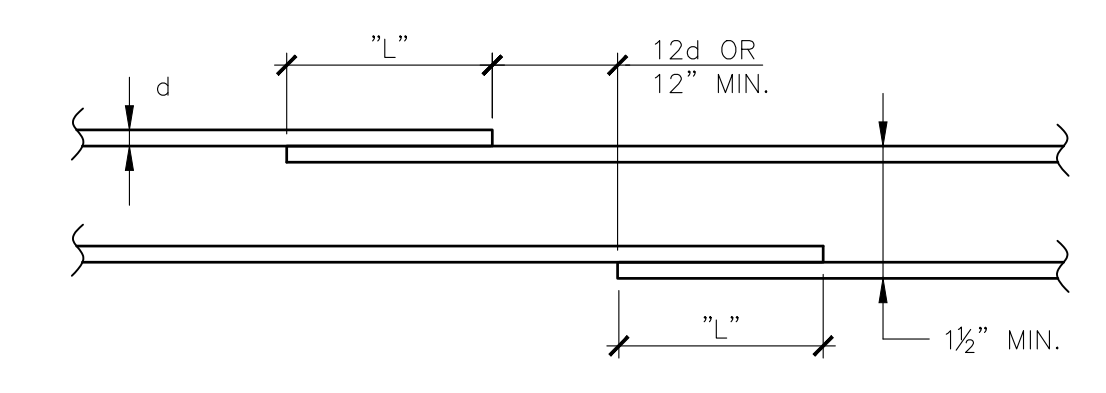
Issue:	Date:
Coordination	03.30.2018
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Concrete Details I



BOUNDARY, COLUMN AND BEAM REINFORCING SPLICE DETAIL



WALL OR SLAB REINFORCING SPLICE DETAIL

REINFORCING BAR SPLICE AND STRAIGHT DEVELOPMENT LENGTHS SCHEDULE

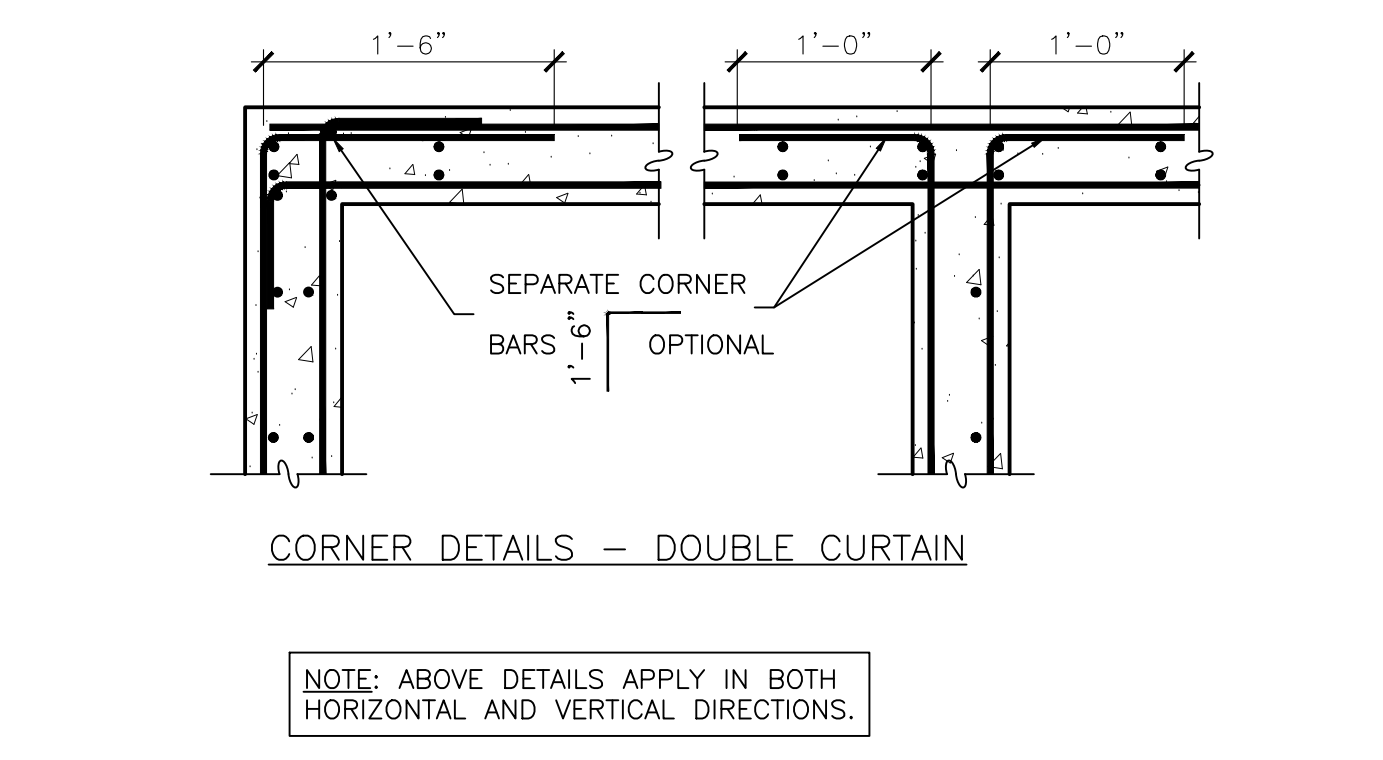
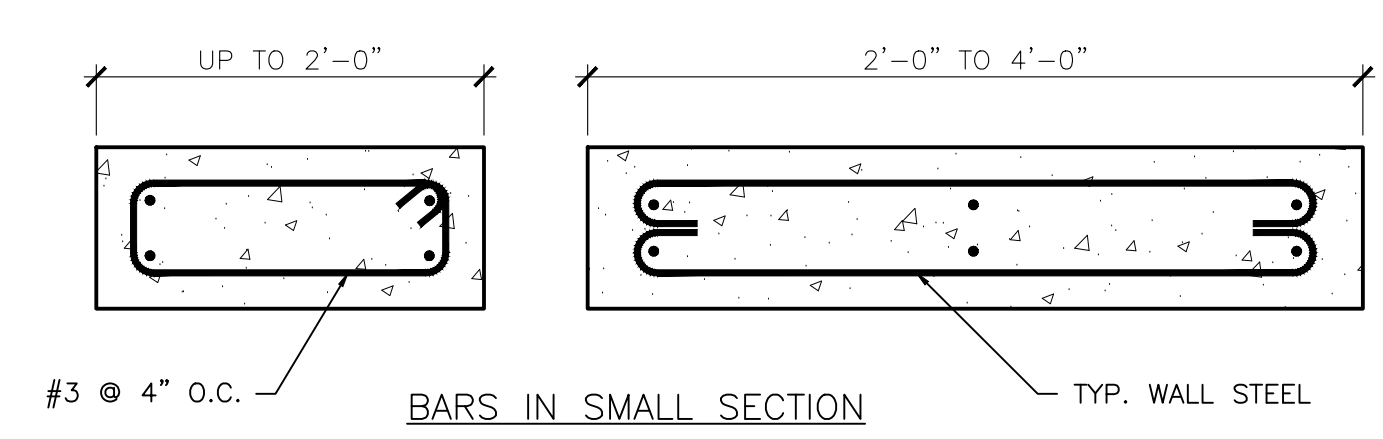
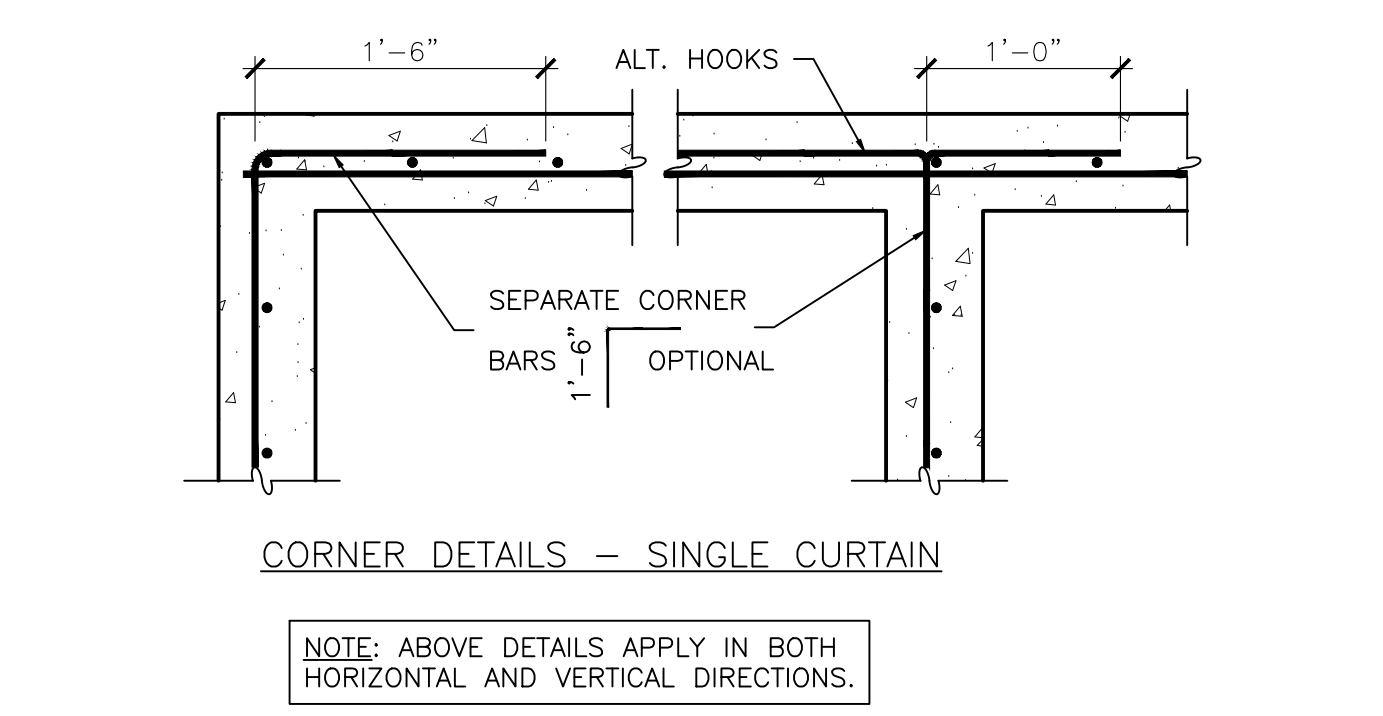
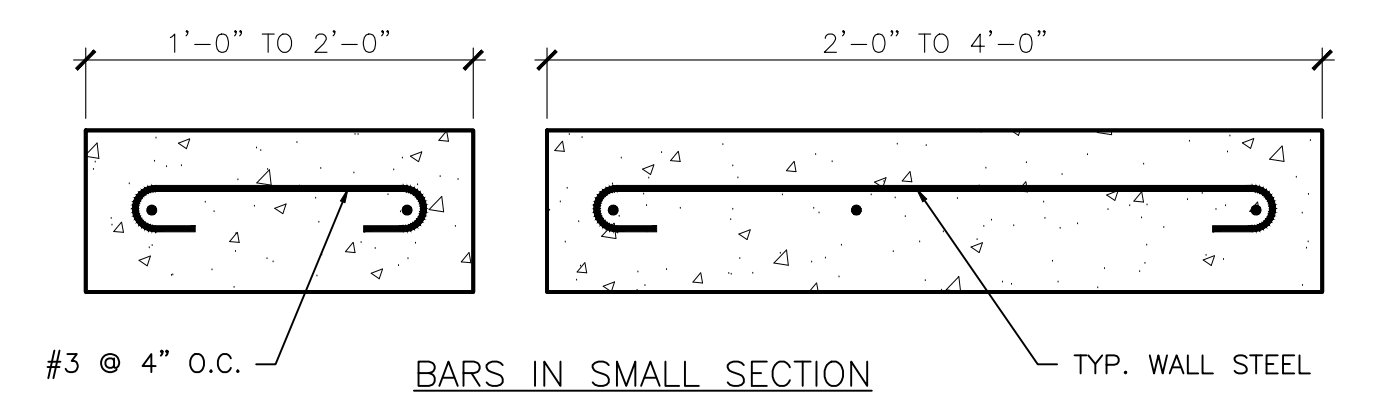
NORMAL WEIGHT CONCRETE REF: ACI318-11

TENSION SPLICE	f'c PSI	BAR SIZE (GR. 60)	#3	#4	#5	#6	#7	#8	#9	#10	#11
CLASS A & STRAIGHT DEVELOPMENT LENGTHS, L (IN)	2,500	TOP	23"	31"	39"	47"	68"	78"	88"	99"	110"
		OTHER	18"	24"	30"	36"	53"	60"	68"	76"	85"
	3,000	TOP	21"	28"	36"	43"	62"	71"	80"	90"	100"
		OTHER	16"	22"	27"	33"	48"	55"	62"	70"	77"
	4,000	TOP	18"	25"	31"	37"	54"	62"	70"	78"	87"
		OTHER	14"	19"	24"	28"	42"	47"	54"	60"	67"
CLASS B, L (IN)	2,500	TOP	30"	41"	51"	61"	89"	101"	114"	129"	143"
		OTHER	23"	31"	39"	47"	68"	78"	88"	99"	110"
	3,000	TOP	28"	37"	46"	56"	81"	93"	104"	118"	131"
		OTHER	21"	28"	36"	43"	62"	71"	80"	90"	100"
	4,000	TOP	24"	32"	40"	48"	70"	80"	90"	102"	113"
		OTHER	18"	25"	31"	37"	54"	62"	70"	78"	87"

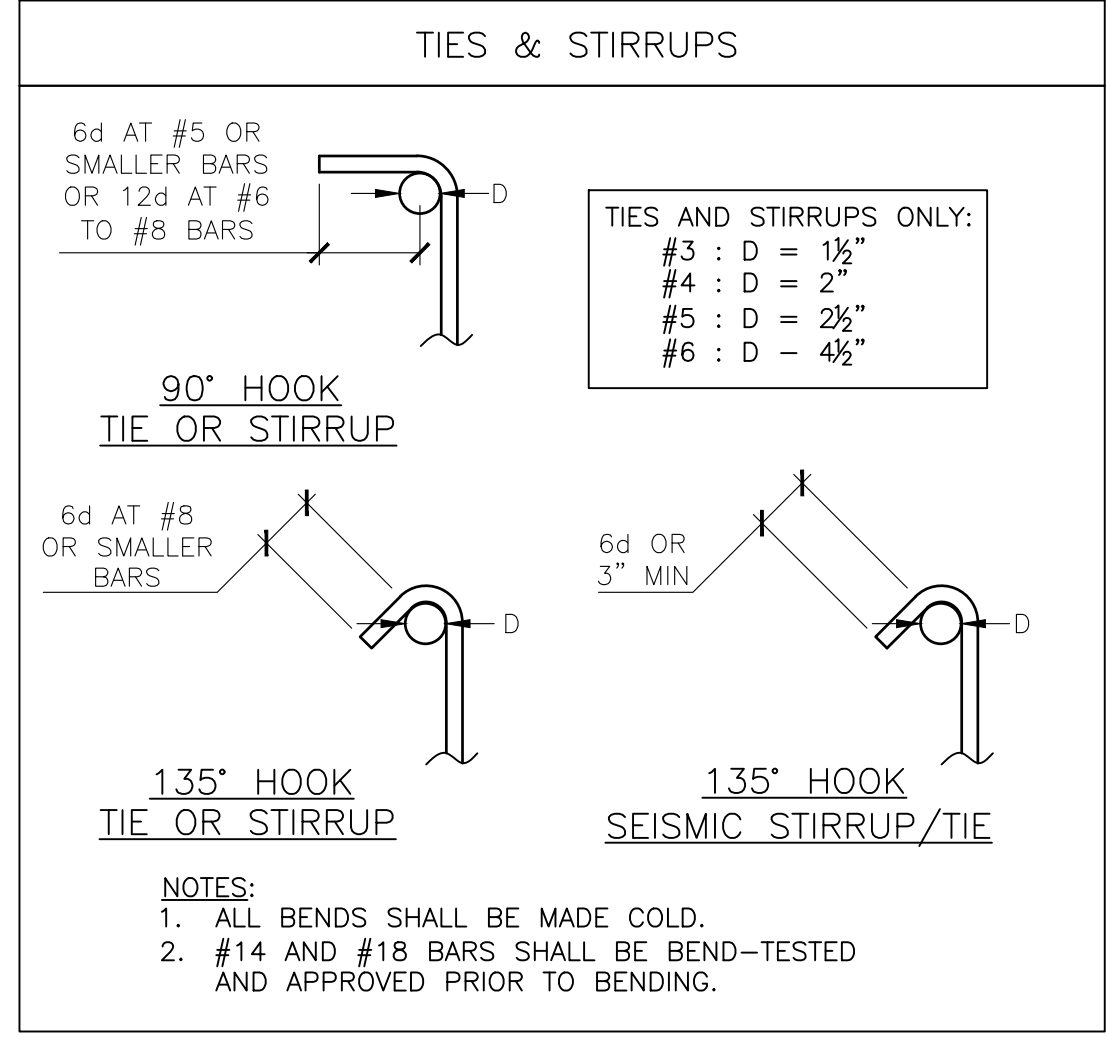
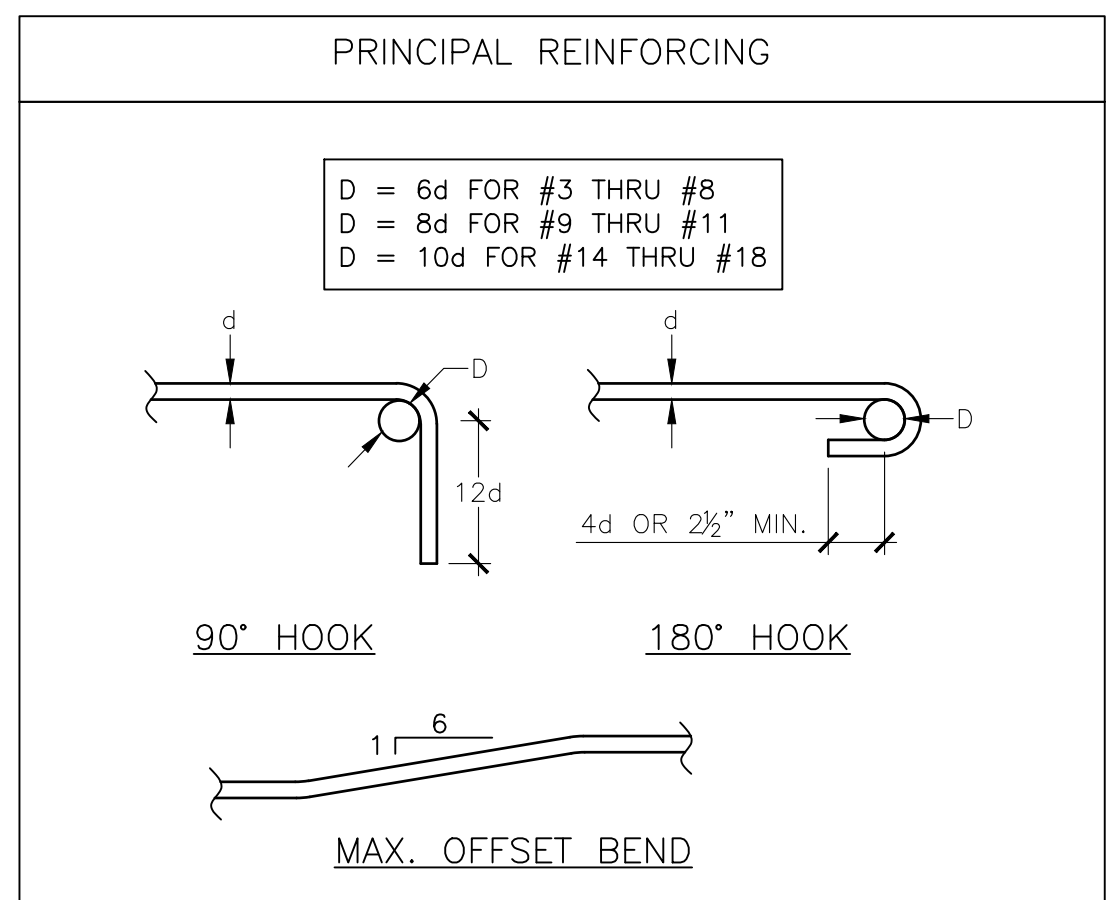
NOTE: PROVIDE 30% LONGER LAP LENGTH FOR LIGHTWEIGHT CONCRETE.

- NOTES:
- CLASS "A" SPLICES SHALL BE USED WHEN ONE-HALF OR LESS OF THE TOTAL REINFORCEMENT IS SPLICED WITHIN THE REQUIRED LAP LENGTH.
 - CLASS "B" SPLICES SHALL BE USED WHEN MORE THAN ONE-HALF OF THE TOTAL REINFORCEMENT IS SPLICED WITHIN THE REQUIRED LAP LENGTH.
 - db = NOMINAL DIAMETER OF A BAR.
 - TOP BARS ARE HORIZONTAL REINFORCING WITH MORE THAN 12" OF CONCRETE BELOW THE BAR.
 - OTHER BARS ARE ALL VERTICAL, ALL HORIZONTAL WALL REINFORCING, AND HORIZONTAL REINFORCING WITH LESS THAN 12" OF CONCRETE BELOW BAR.
 - SMALLER BAR LAP LENGTH MAY BE USED WHEN SPLICING DIFFERENT SIZE BARS.
 - LAP SPLICES ARE NOT PERMITTED IF MECHANICAL SPLICES ARE SHOWN.
 - NON-CONTACT LAP SPLICED BARS SHALL NOT BE SPACED TRANSVERSELY FURTHER APART THAN 20% OF THE REQUIRED LAP LENGTH OR 6 INCHES.
 - LAP TOP BARS AT MIDSPAN AND BOTTOM BARS AT SUPPORTS UNLESS OTHERWISE SHOWN.
 - BUNDLED BAR SPLICES:
 - INDIVIDUAL BAR SPLICES WITHIN THE BUNDLE SHALL NOT OVERLAP EACH OTHER.
 - INCREASE LAP LENGTH 20% AT THREE BARS.
 - INCREASE LAP LENGTH 33% AT FOUR BARS.

REINFORCING BAR SPLICE SCHEDULE & NOTES SCALE: N.T.S.



WALL REINFORCING SCALE: 1"=1'-0"



STANDARD HOOK & TIE DETAILS SCALE: 1"=1'-0"

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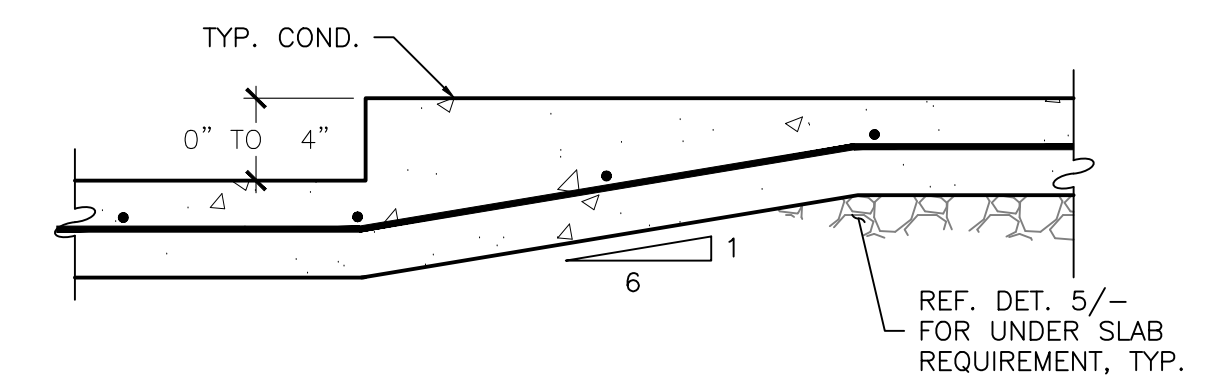
Scale: AS NOTED

Job No. 17-056

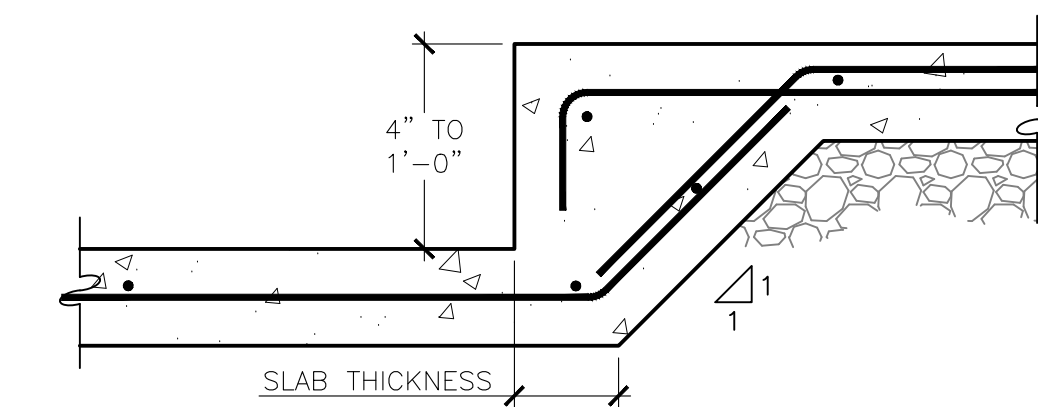
Foundation
Details

S-310

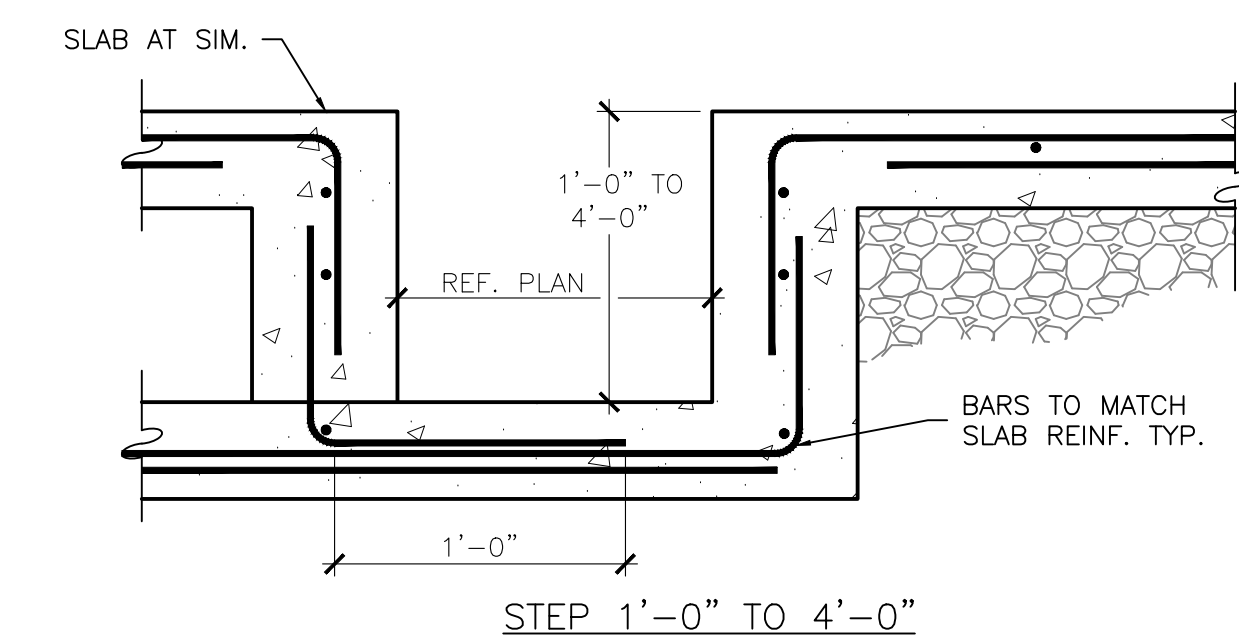
- NOTES:
1. 4" THICK CONC. SLAB W/ #4 @ 18" O.C. UNO
2. FOR TENNIS COURT SLAB, REFER TO 5-



STEP 0" TO 4"



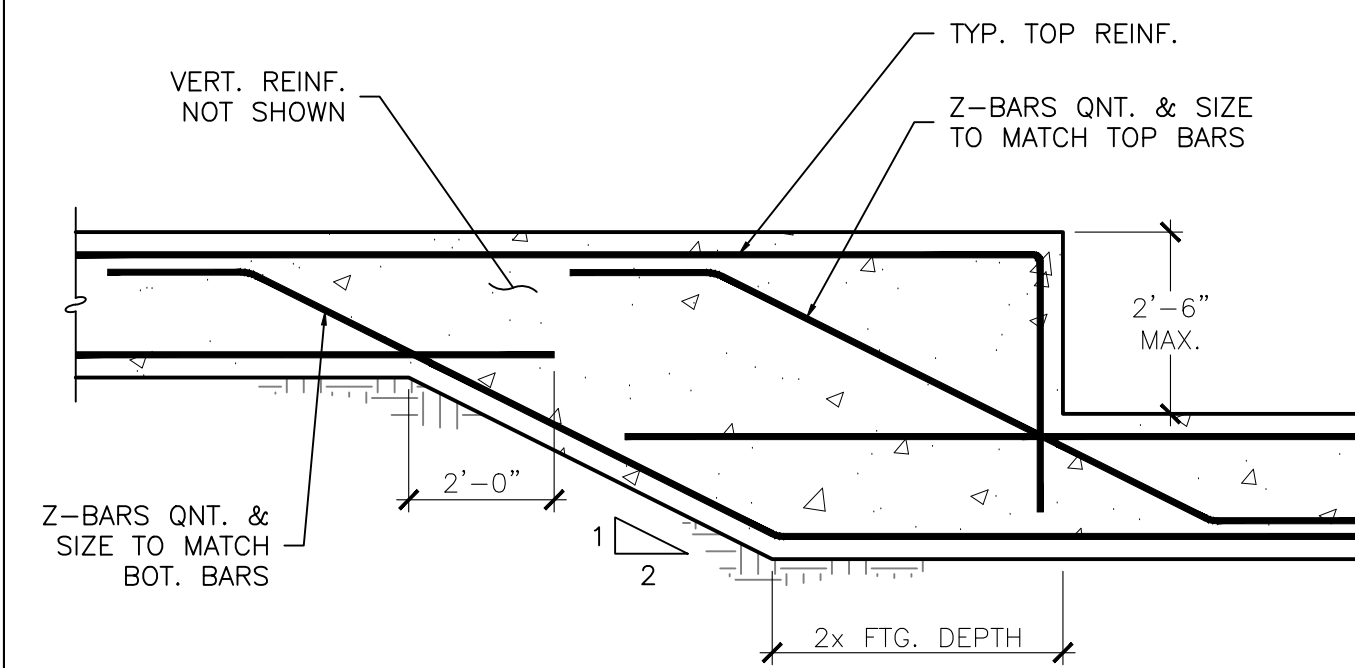
STEP 4" TO 12"



STEP 1'-0" TO 4'-0"

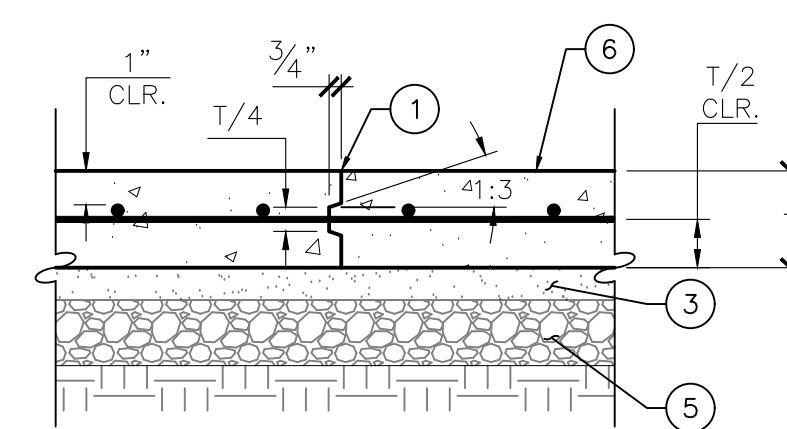
3 TYPICAL STEP IN SLAB ON GRADE

SCALE: 1-1/2"=1'-0"

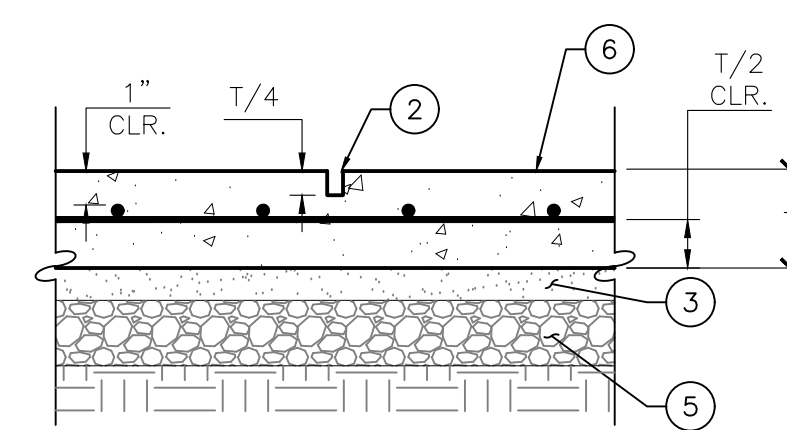


7 STEP IN FOOTING

SCALE: 3/8"=1'-0"



CONSTRUCTION JOINT



CONTROL JOINT - FORMED OR SAW-CUT JOINT

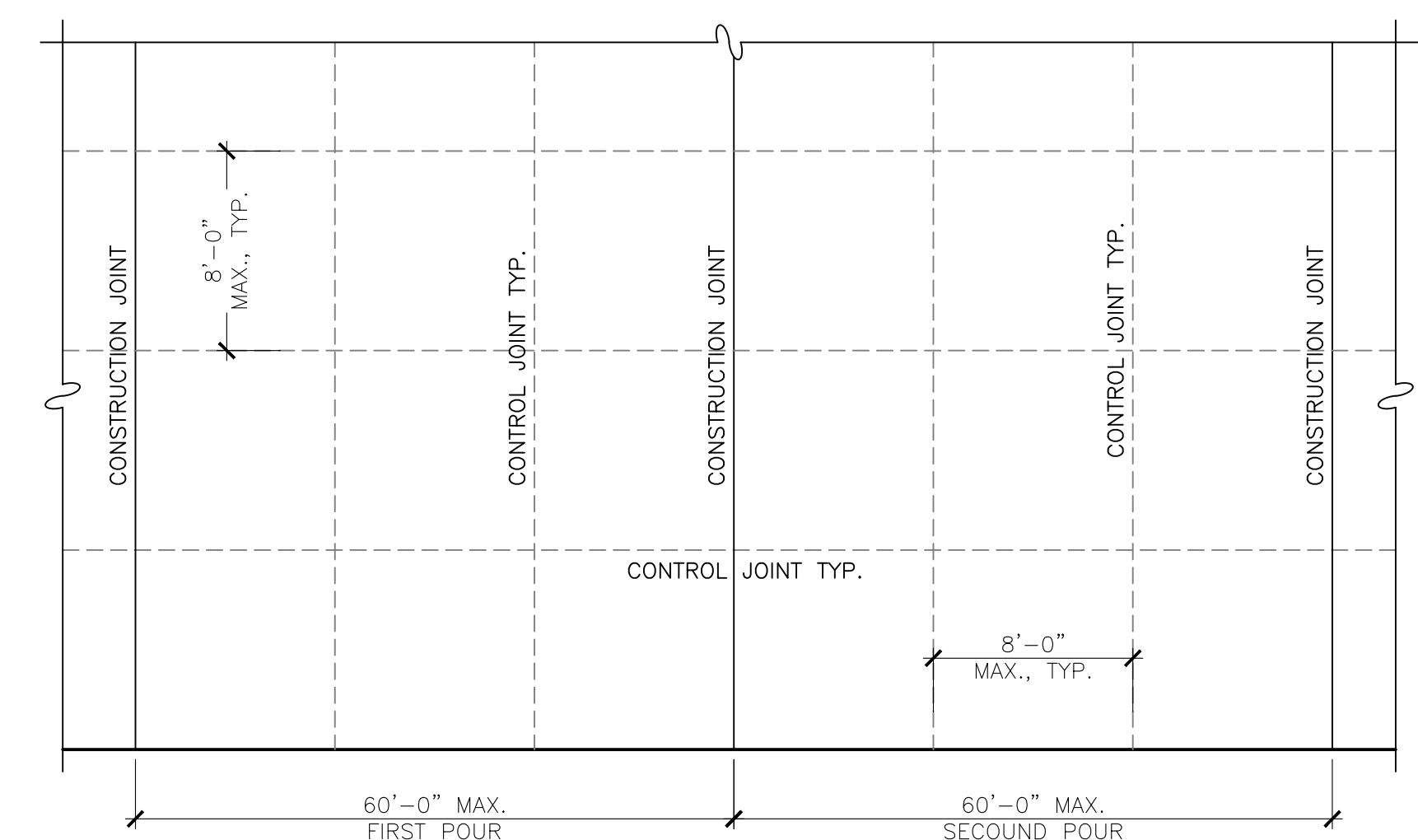
- ① KEYED JOINT, CENTERED AT SLAB MID-DEPTH. PAINT w/ CURING COMPOUND AS BOND BREAK PRIOR TO ADJACENT SLAB CONCRETE PLACEMENT
- ② 1/2" PRE-MOLDED STRIP FLUSH WITH SURFACE -OR- 1/8" SAWCUT SAWN THE SAME DAY AS CONCRETE PLACEMENT & FILLED WITH JOINT SEALER.
- ③ 2" CLEAN SAND
- ④ NOT USED
- ⑤ 4" GRAVEL, 1/2" TO 3/4" DIA. CLEAN CRUSHED ROCK.
- ⑥ 5" CONC. SLAB ON GRADE W/ #4 @ 18" O.C.

Ⓐ SLAB & UNDERLAYMENT

5 CONCRETE SLAB PLACEMENT ON GRADE METHOD

SCALE: 1"=1'-0"

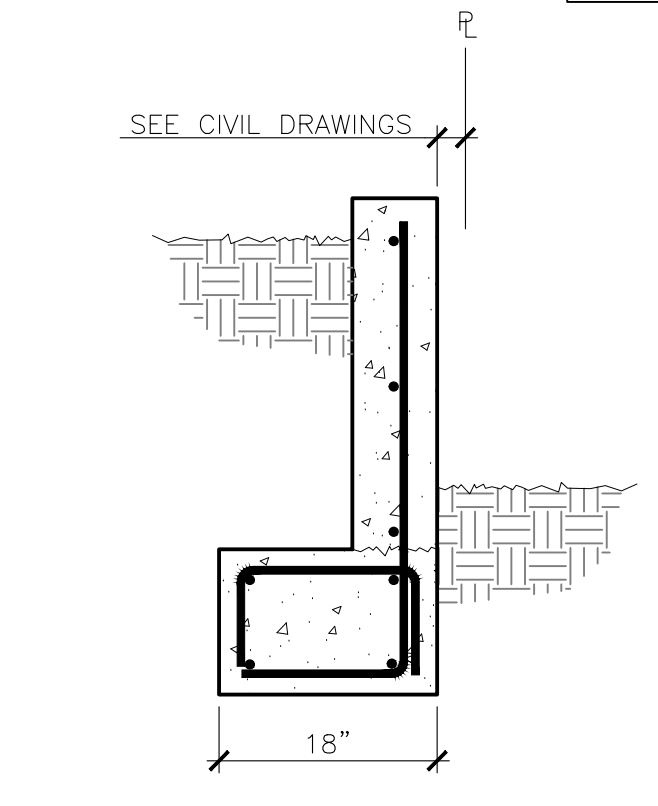
- NOTES:
1. CONTROL JOINTS AT 8'-0" O.C. MAX.
2. CONCRETE SHALL BE PLACED IN STRIPS MAX. 60'-0" WIDE.
3. VAPOR BARRIER IS NOT REQUIRED AT UNOCCUPIED SPACES, SUCH AS GARAGE S.O.G.
4. REFER TO Ⓐ FOR SLAB REQUIREMENTS AT TENNIS COURT



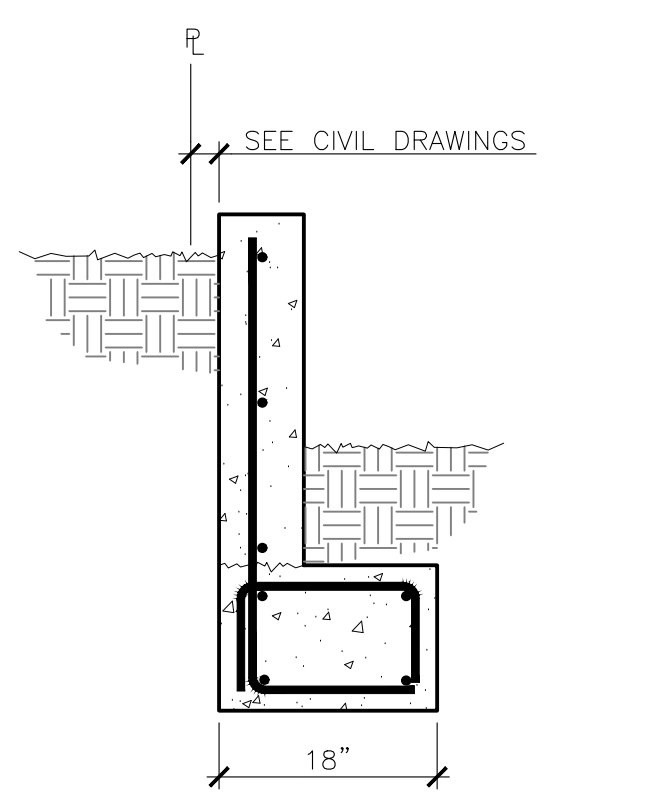
Ⓑ PLACEMENT METHOD REQUIREMENTS

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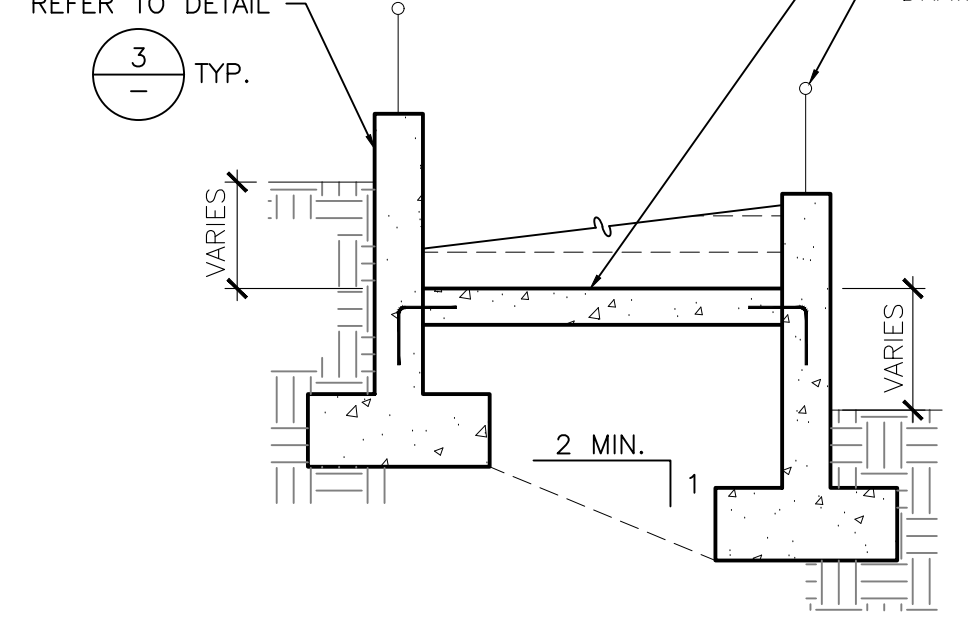
NOTE:
1. FOR INFO NOT SHOWN,
REFER TO 3/-



11 RETAINING WALL ALONG PROPERTY LINE
SCALE: N.T.S. (SCHEMATIC ONLY)

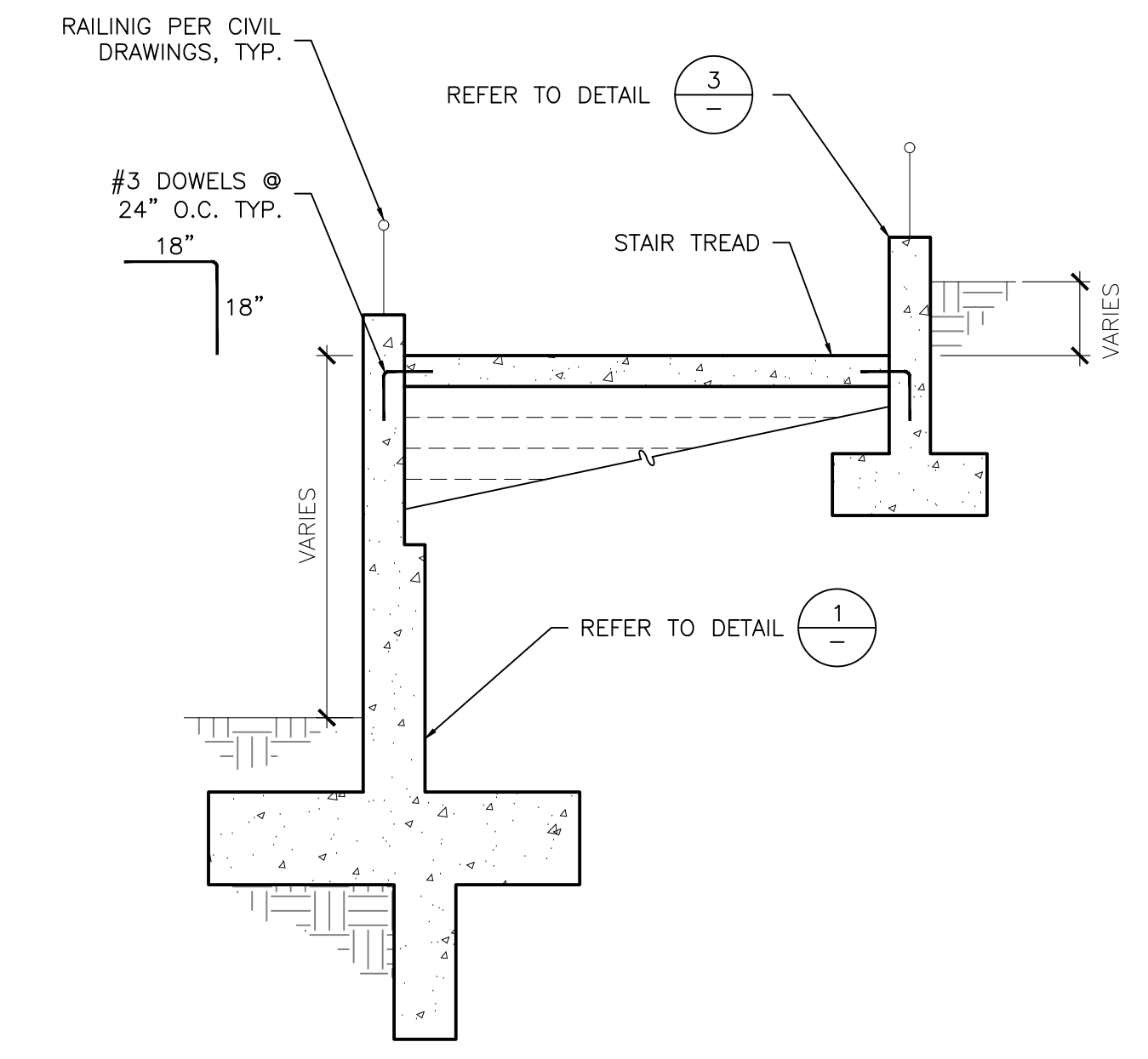
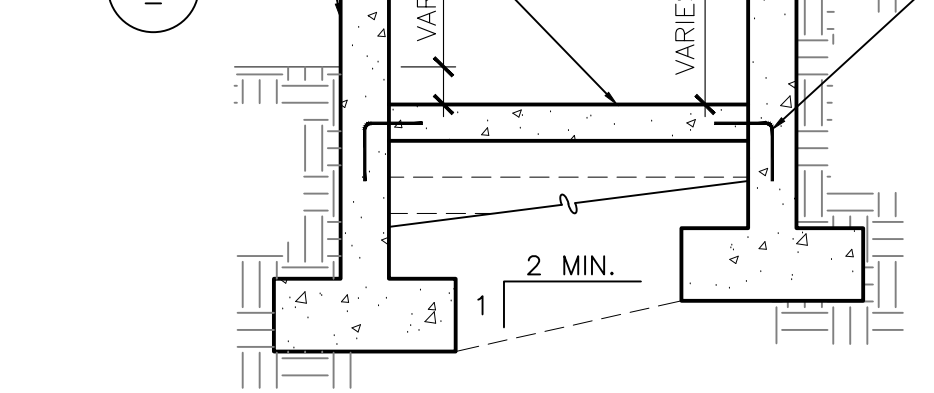


REFER TO DETAIL
STAIR TREAD
RAILINGS PER CIVIL
DRAWINGS, TYP.



7 SHORT STAIR WALLS (SCHEMATIC ONLY)
SCALE: N.T.S. (SCHEMATIC ONLY)

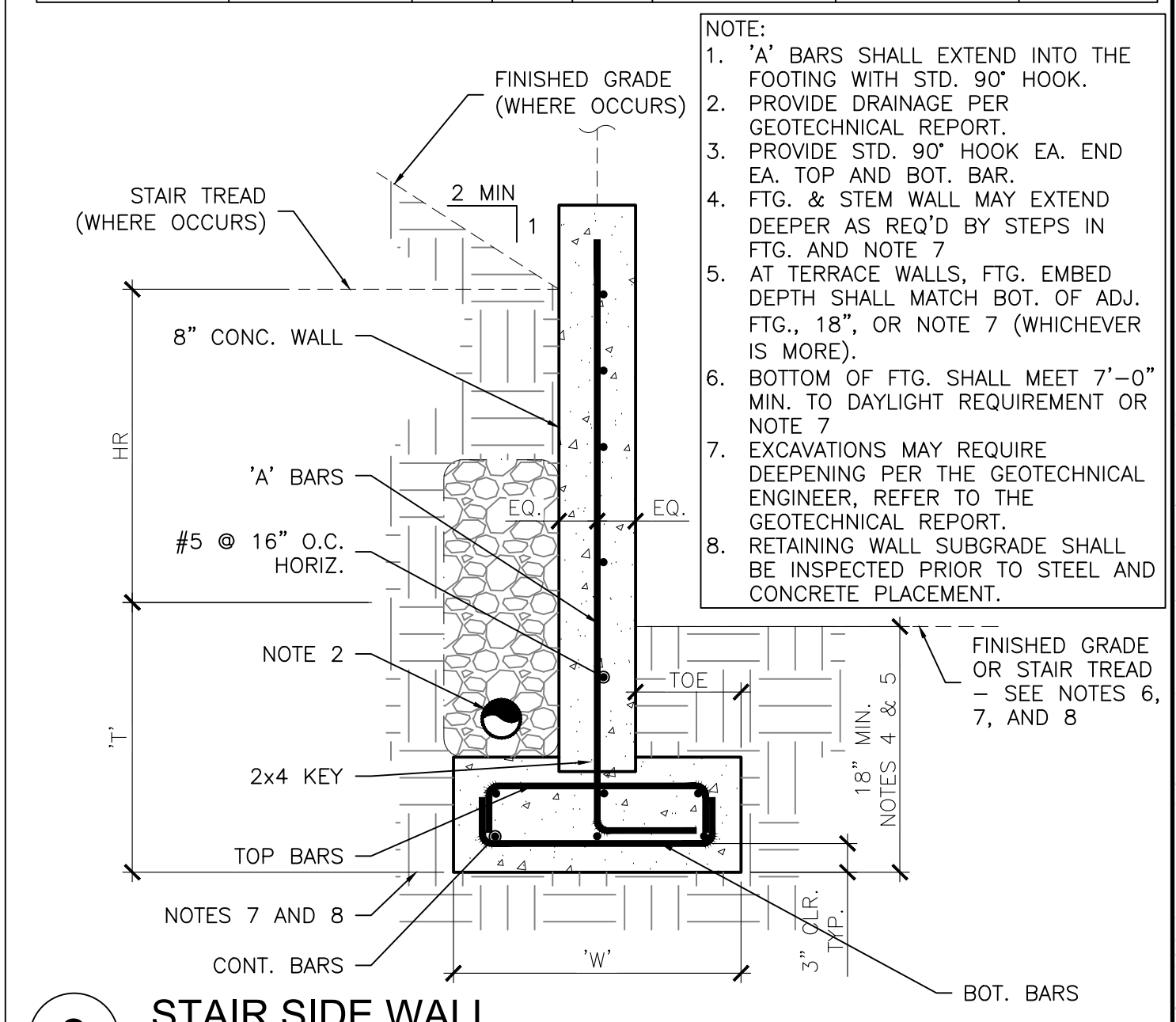
REFER TO DETAIL
STAIR TREAD
#3 DOWELS
@ 24" O.C. TYP.
18"



9 STAIR WALLS (SCHEMATIC ONLY)
SCALE: N.T.S. (SCHEMATIC ONLY)

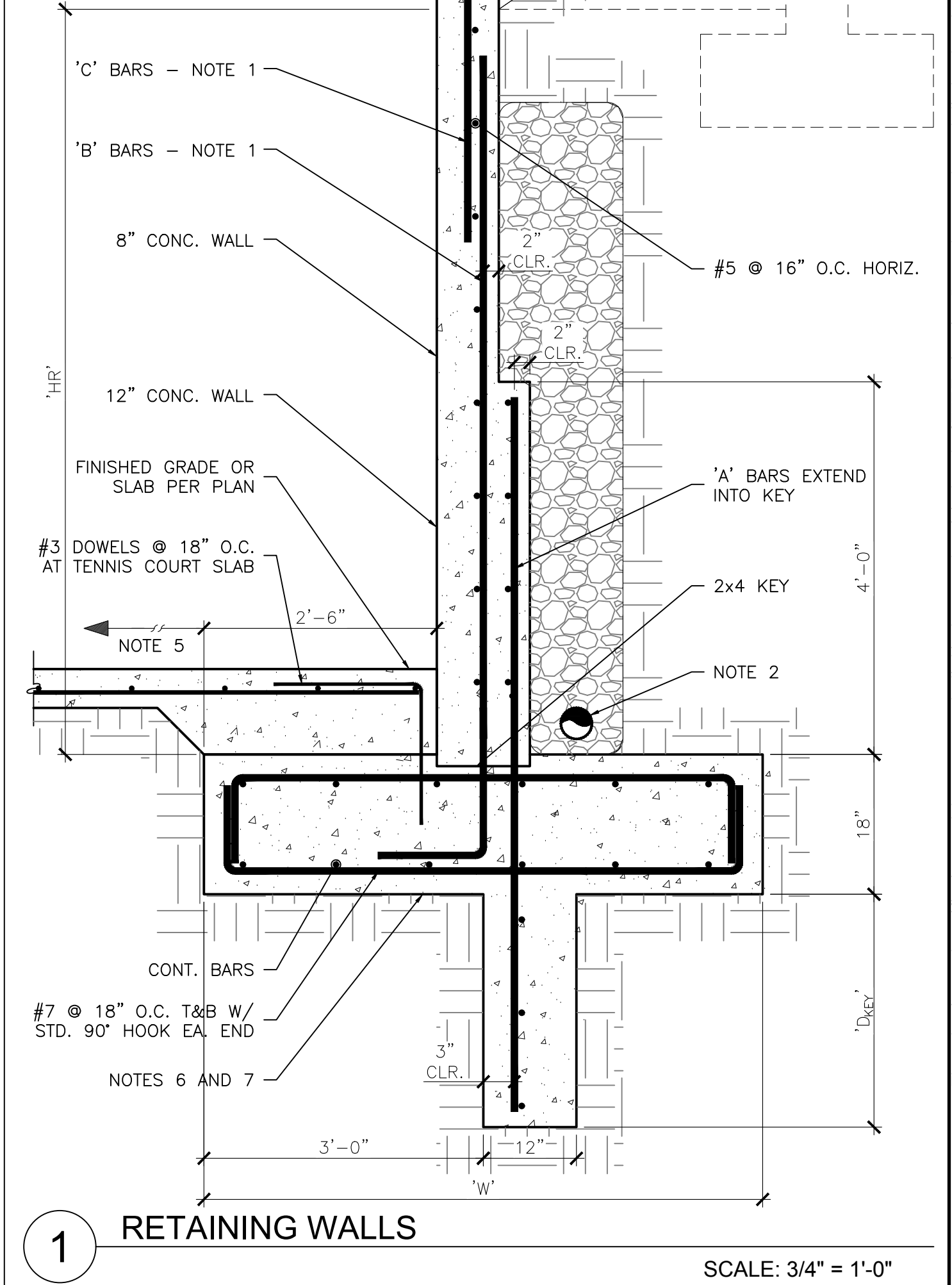
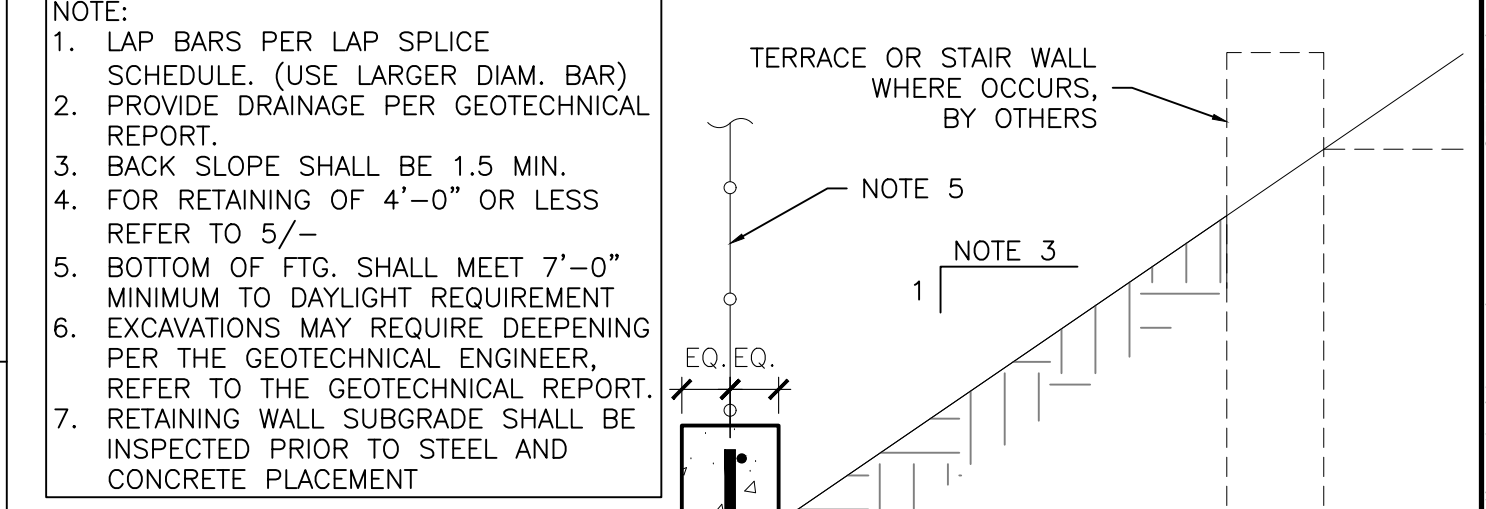
5 NOT USED
SCALE: N.T.S.

FOOTING REINFORCING							
HR	'A' BARS	"W"	TOE	"T"	BOT. BARS	TOP BARS	CONT. BARS (T&B)
HR<2'-6"	#5 @ 16" O.C.	2'-0"	8"	12"	#5 @ 16" O.C.	-	2-#5

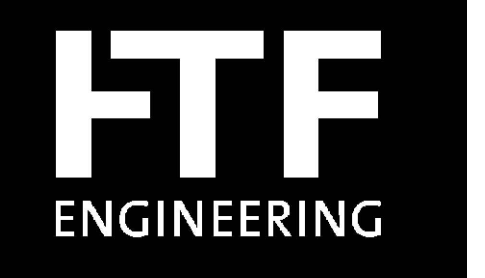


3 STAIR SIDE WALL
SCALE: 3/4" = 1'-0"

HR	'A' BARS	'B' BARS	'C' BARS	"W"	"D _{KEY} "	CONT. BARS (T&B)
4'-1"≤HR≤8'-0"	#7 @ 12" O.C.	-	#5 @ 12" O.C.	6'-0"	2'-6"	5-#5
8'-1"≤HR≤10'-6"	#7 @ 6" O.C.	#7 @ 12" O.C.	#5 @ 12" O.C.	7'-0"	3'-6"	6-#5



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



FTF ENGINEERING, INC
1916 McAllister Street
San Francisco, CA 94115
tel - 415-931-8460
fax - 415-931-8461
www.ftfengineering.com

SOUTHVIEW PARK
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Foundation
Details II

S-311

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