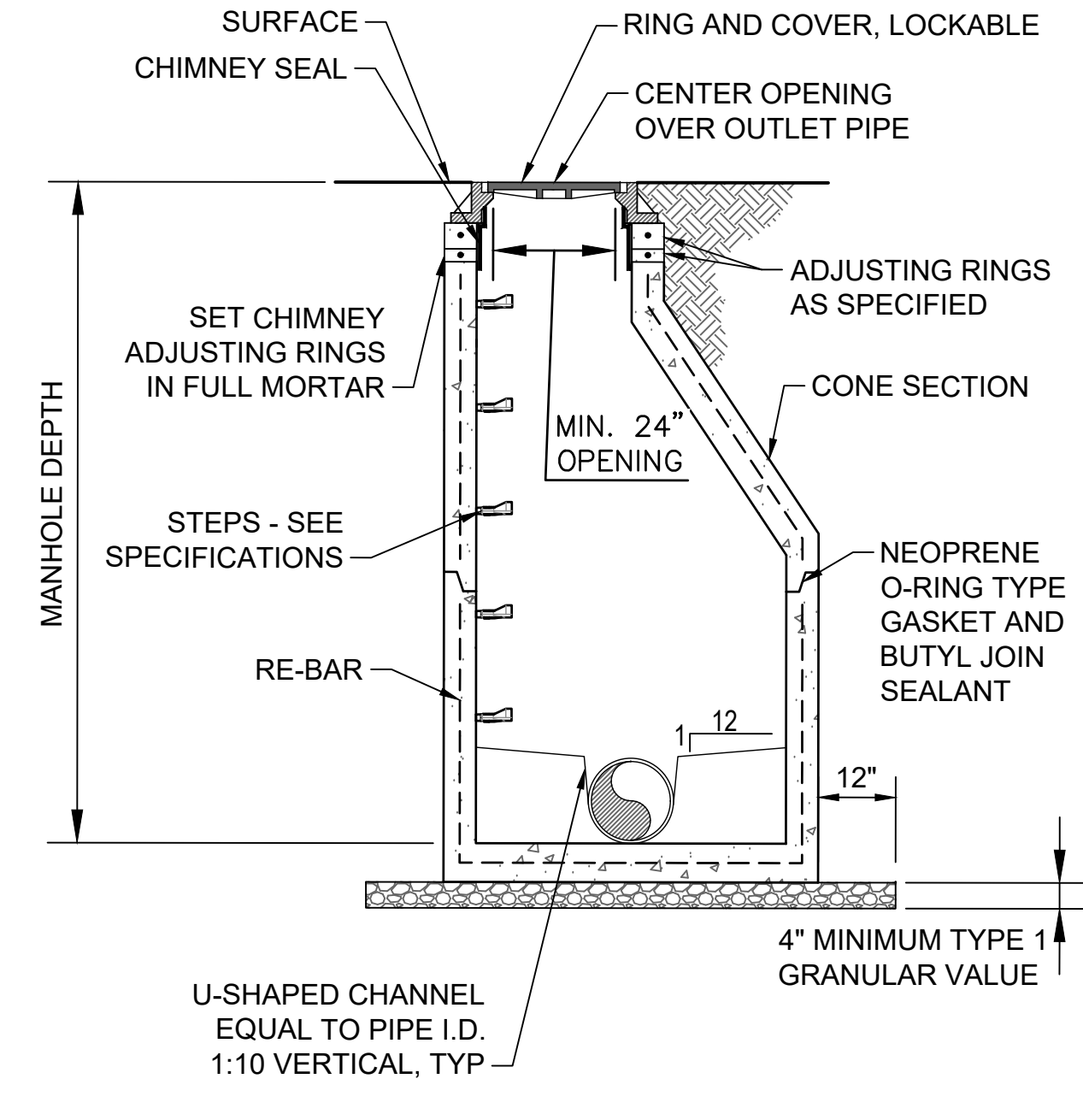


- GENERAL NOTES:**
1. CONCRETE SHALL BE CAST IN PLACE AND 4000 PSI.
 2. COLLAR SHALL PROVIDE POSITIVE DRAINAGE TO INLET IN ALL DIRECTIONS, MIN. 2% TRANSITION TO ADJACENT PAVEMENT.
 3. ALL REINFORCEMENT SHALL CONFORM TO ASTM A615, GRADE 60.

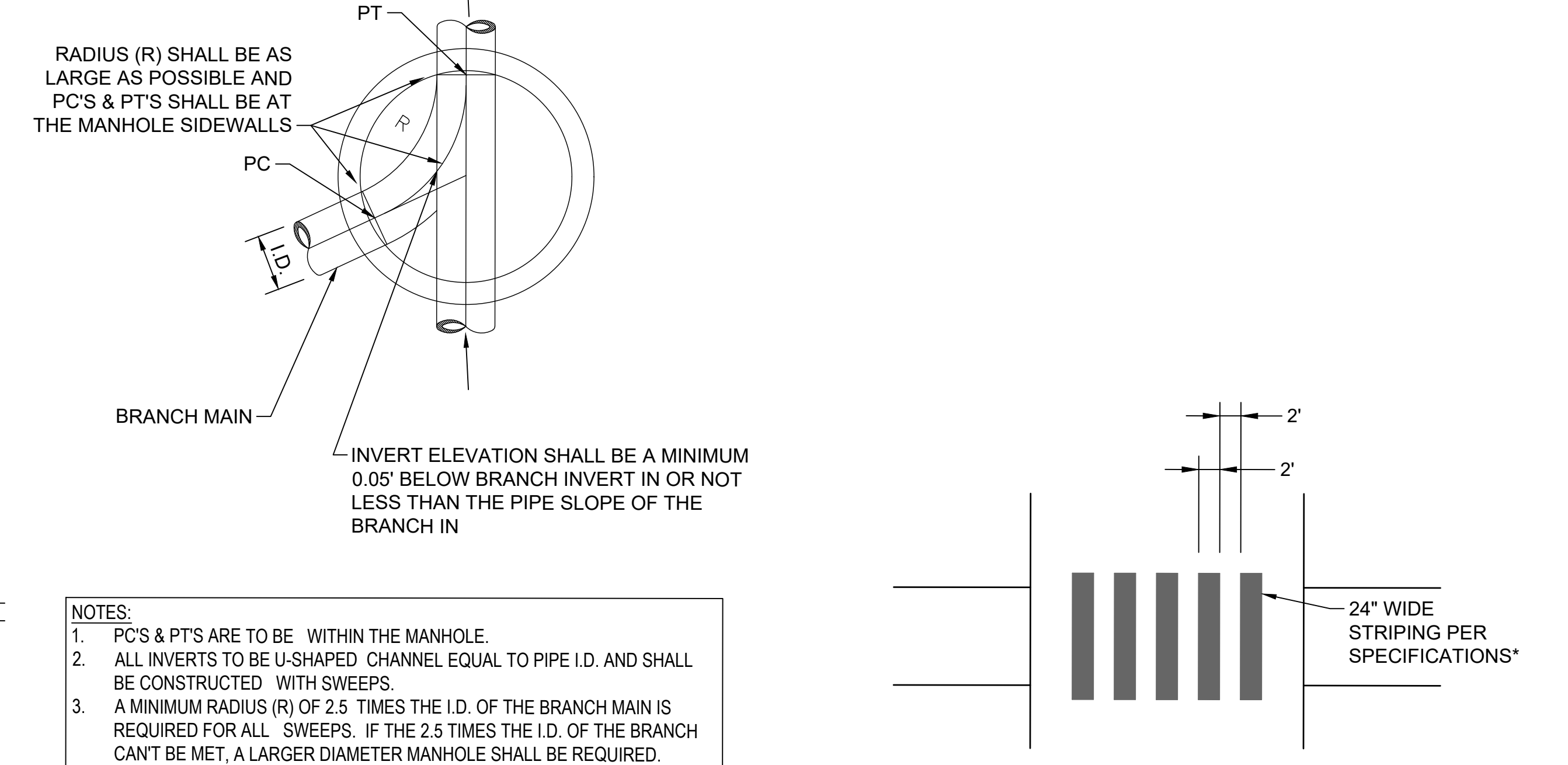
NEENAH R-3406 FRAME AND GRATE FOR AREA STORM INLET
N.T.S.

1 AREA INLET
SCALE: NTS



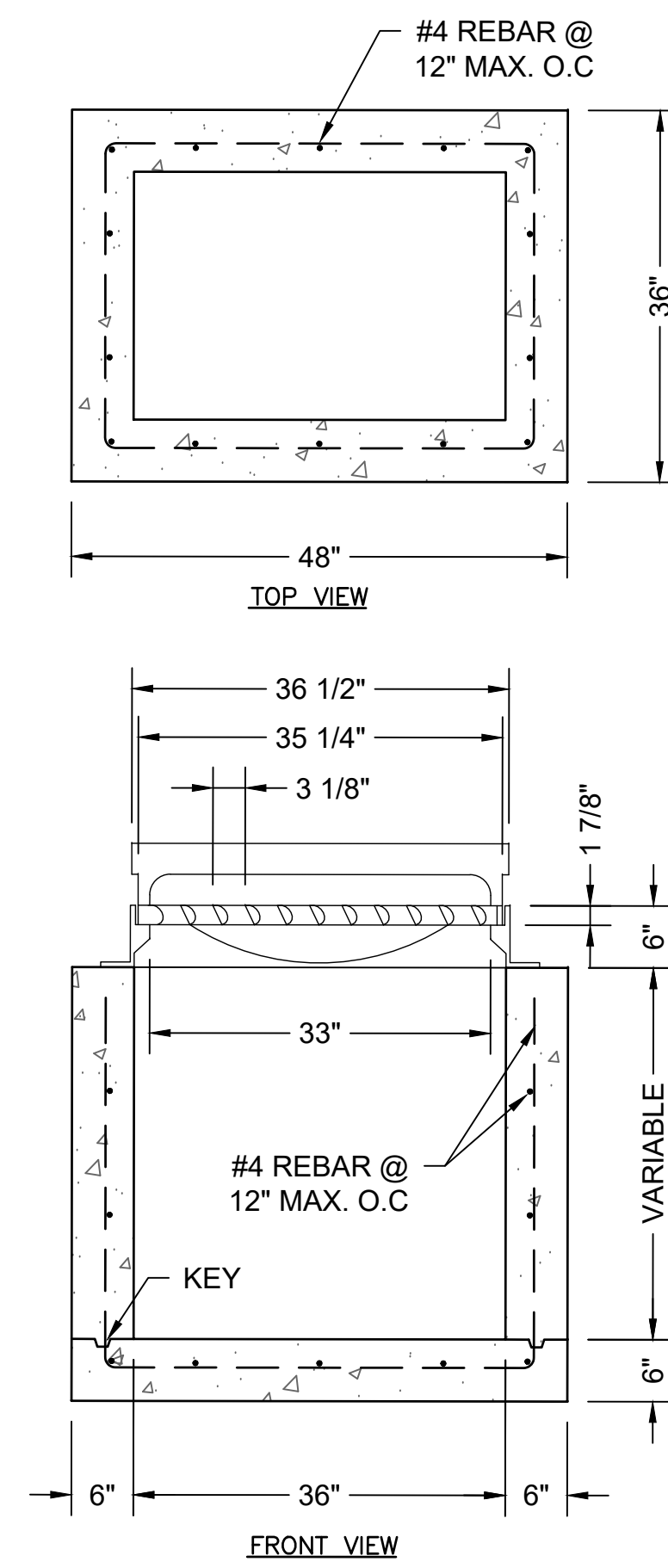
- NOTES:**
1. PC'S & PT'S ARE TO BE WITHIN THE MANHOLE.
 2. ALL INVERTS TO BE U-SHAPED CHANNEL EQUAL TO PIPE I.D. AND SHALL BE CONSTRUCTED WITH SWEEPS.
 3. A MINIMUM RADIUS (R) OF 2.5 TIMES THE I.D. OF THE BRANCH MAIN IS REQUIRED FOR ALL SWEEPS. IF THE 2.5 TIMES THE I.D. OF THE BRANCH CAN'T BE MET, A LARGER DIAMETER MANHOLE SHALL BE REQUIRED. MANHOLE PIPE CONNECTOR SHALL BE A RESILIENT WATERTIGHT SEAL.

2 SANITARY SEWER MANHOLE
SCALE: NTS

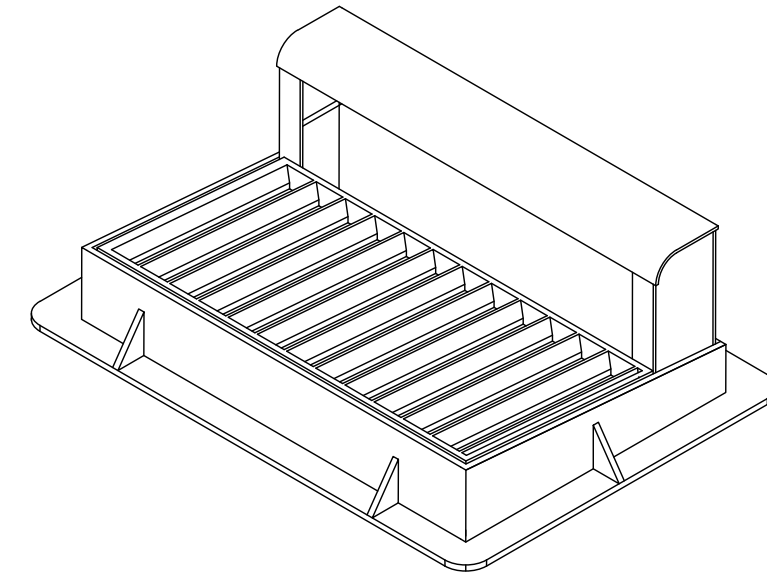


* CROSSWALK WIDTH TO MATCH ADJACENT SIDEWALK OR PATH WIDTH, BUT NOT LESS THAN 6' MEASURED BETWEEN LINES.

3 CROSSWALK DETAIL
SCALE: NTS



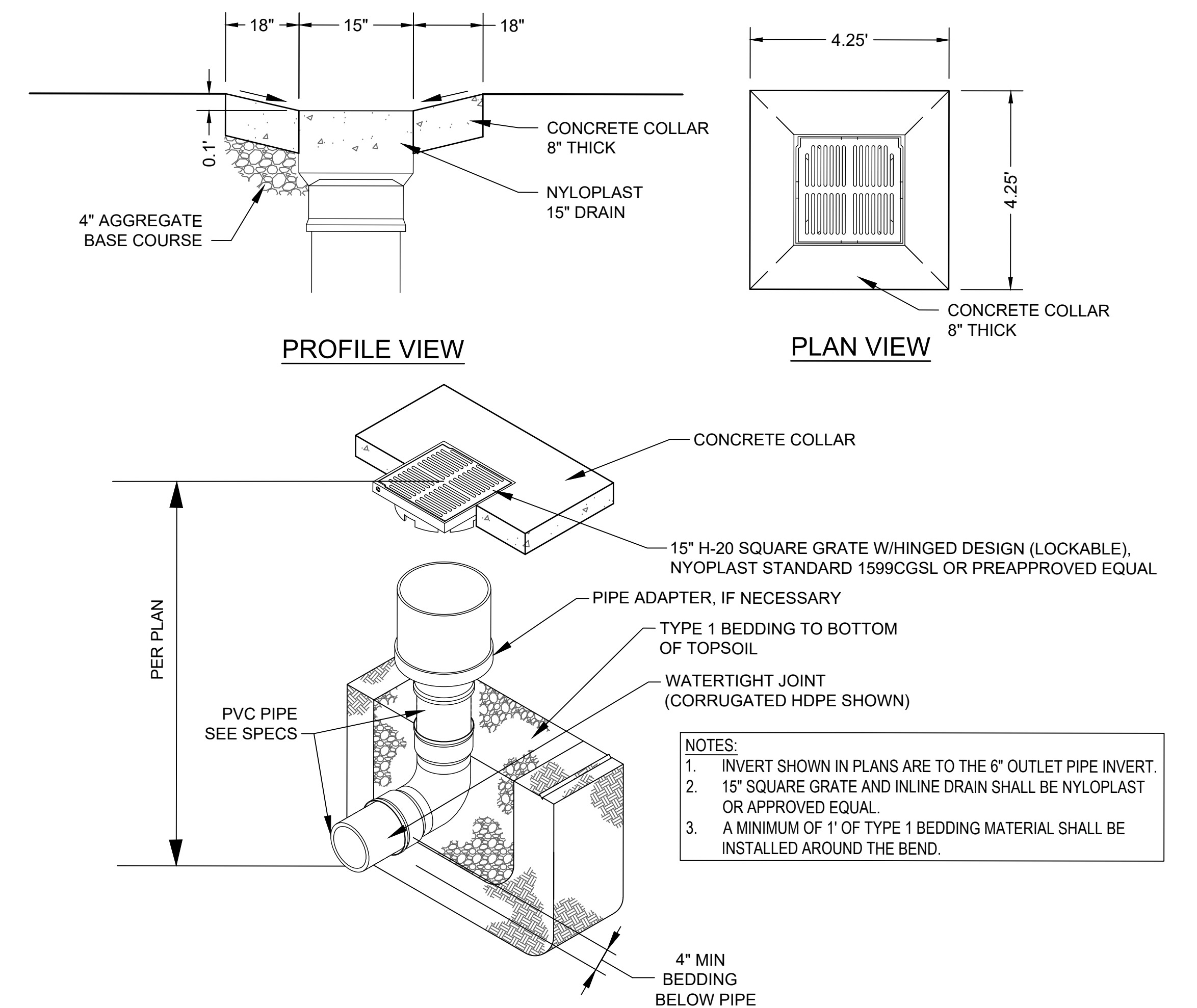
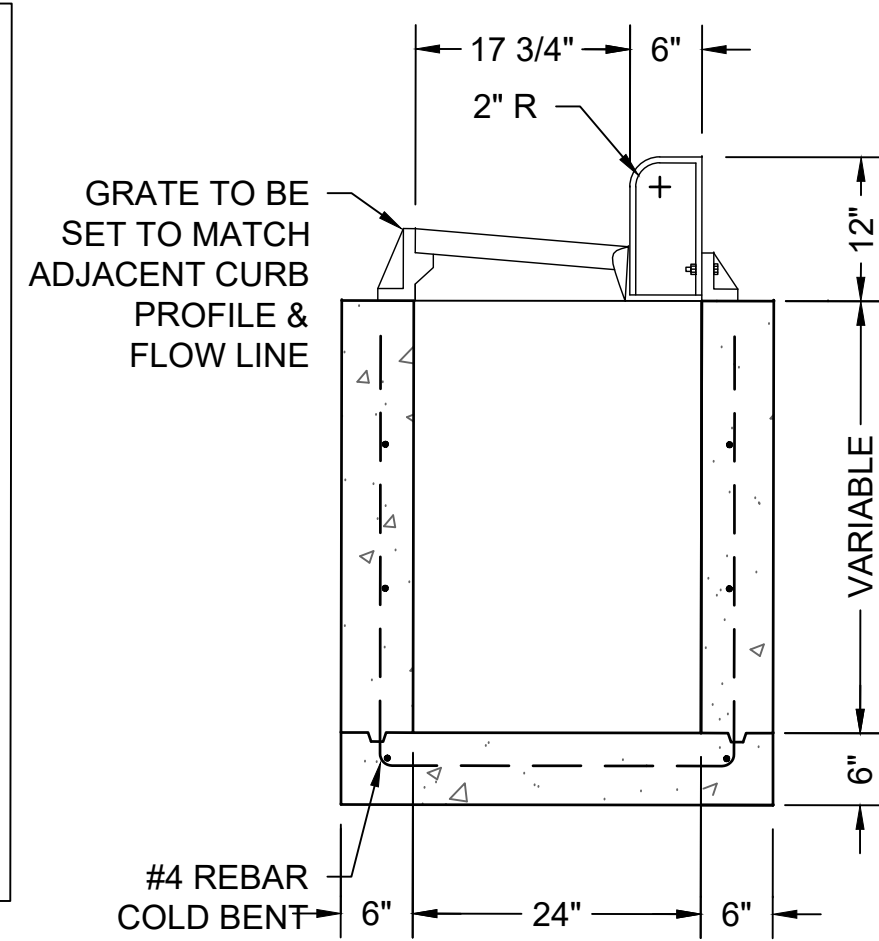
- GENERAL NOTES:**
1. CONCRETE SHALL HAVE 4000 PSI COMPRESSIVE STRENGTH AT 28 DAYS.
 2. ALL STRUCTURAL JOINTS SHALL BE KEYPED & WATER TIGHT.
 3. EPOXY COATED REINFORCING STEEL SHALL CONFORM TO ASTM A615 GRADE 60, CUT AND BEND BARS AS REQUIRED TO PLACE PIPE(S) THRU DROP INLET WALL.
 4. PRECASTING OF TYPE "B" INLETS MAY BE PERMISSIBLE PRIOR TO RECASTING. THE CONTRACTOR SHALL SUBMIT DETAILS TO ENGINEER FOR APPROVAL.
 5. MAXIMUM PIPE DIAMETER SHOULD NOT EXCEED 21 INCHES ON THE 3 FOOT WIDE SIDE OF THE TYPE "B" INLET.
 6. IN SITUATIONS WHERE MULTIPLE INLETS ARE TO BE CONSTRUCTED ADJACENT TO ONE ANOTHER, THE COMMON INLET WALL SHALL BE CONSTRUCTED 12 INCHES THICK WITH THE EQUIVALENT AMOUNT OF REBAR AS IS REQUIRED FOR EACH INLET INDIVIDUALLY. THE CONVEYANCE OF STORM WATER THRU THE COMMON WALL SHALL BE BY INSTALLING THE APPROPRIATELY SIZED REINFORCED CONCRETE PIPE.



NOTE: BOX MANHOLE, TYPE "B" DETAILS

NEENAH R-3067 (V CURB INLET, FLOW-RIGHT SHOWN)

4 TYPE B INLET DETAIL
SCALE: NTS



- NOTES:**
1. INVERT SHOWN IN PLANS ARE TO THE 6\"/>

6 NYLOPLAST 15" SQUARE GRATE INLINE DRAIN
SCALE: NTS

File Path: Y:\050010504 - construct new sps - cpl_07.cad | 01 saved: 2/14/2025 11:53 AM | pld: 2/14/2025 12:15 PM

Revisions:	Date:

CONSULTANTS

ARCHITECT/ENGINEER OF RECORD

13605 1st Ave. N. #100 Plymouth, MN 55441
P 763.412.4000 | F 763.412.4090 | ae-mn.com
Anderson Engineering of Minnesota, LLC | Proj # 16584

STAMP

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT, WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION, AND THAT I AM A DAILY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title

CIVIL DETAILS

Approved: Project Director

SIoux FALLS VA HEALTH CARE SYSTEM

Phase

BID DOCUMENTS

FULLY SPRINKLERED

Project Title

CONSTRUCT NEW SPS

Location

SIoux FALLS, SOUTH DAKOTA

Issue Date

02/14/2025

Checked

EB

Drawn

AB

Project Number

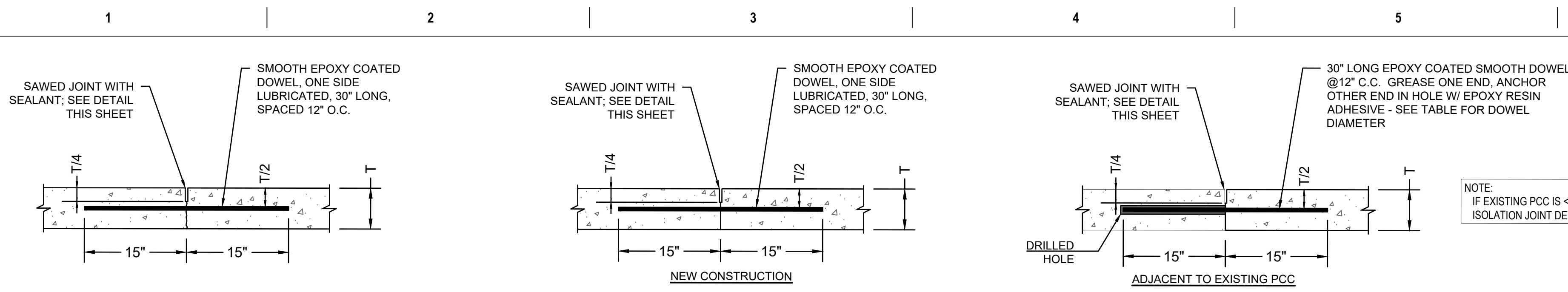
438-460

Building Number

5

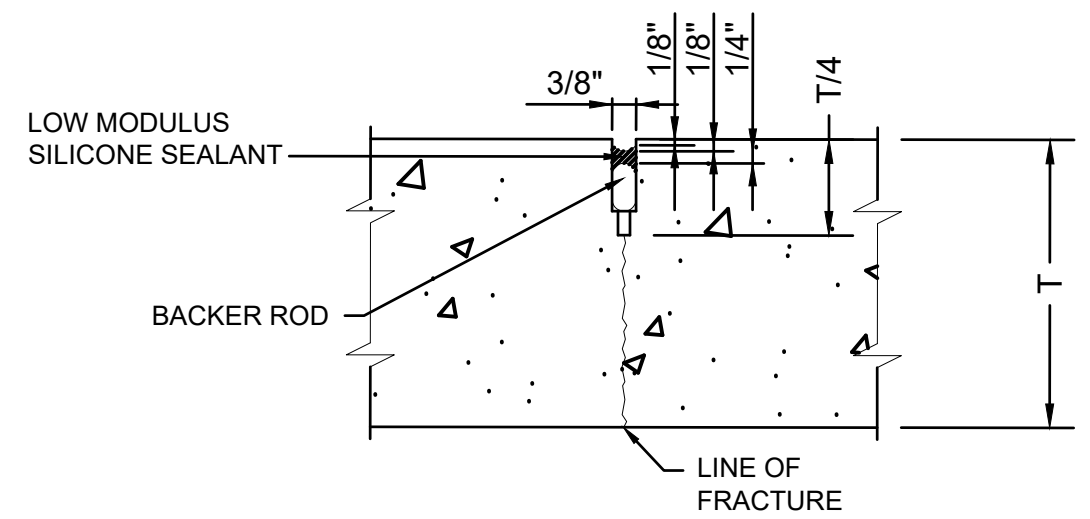
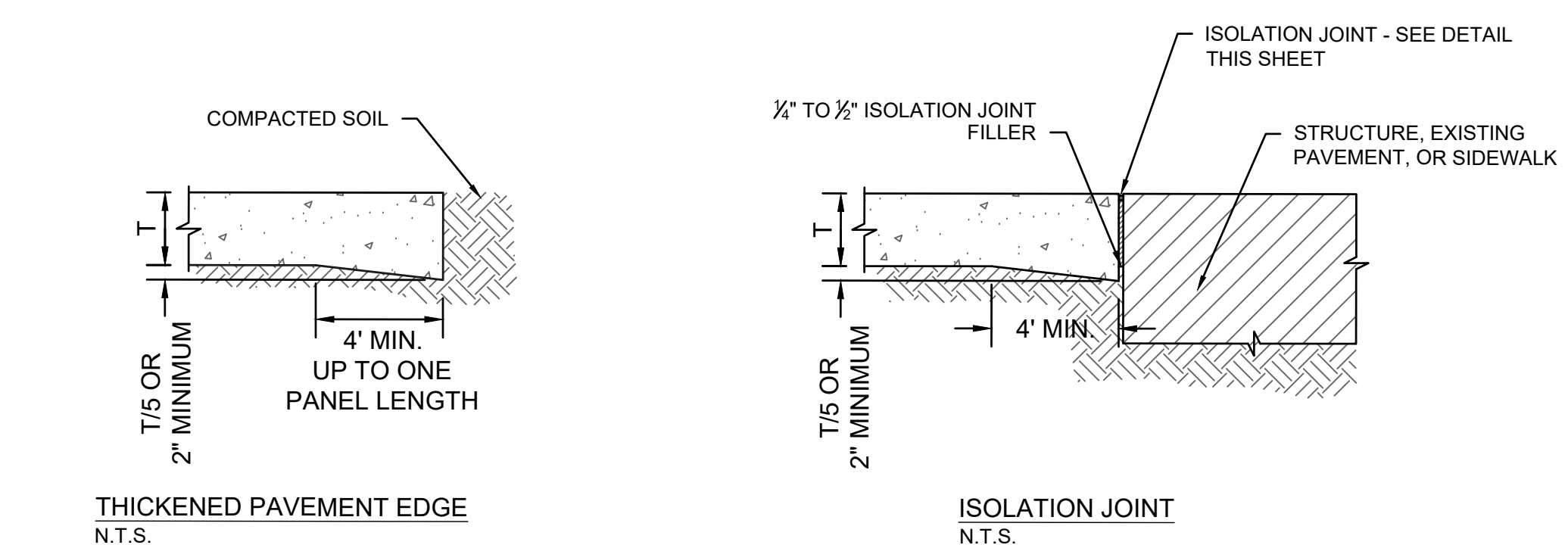
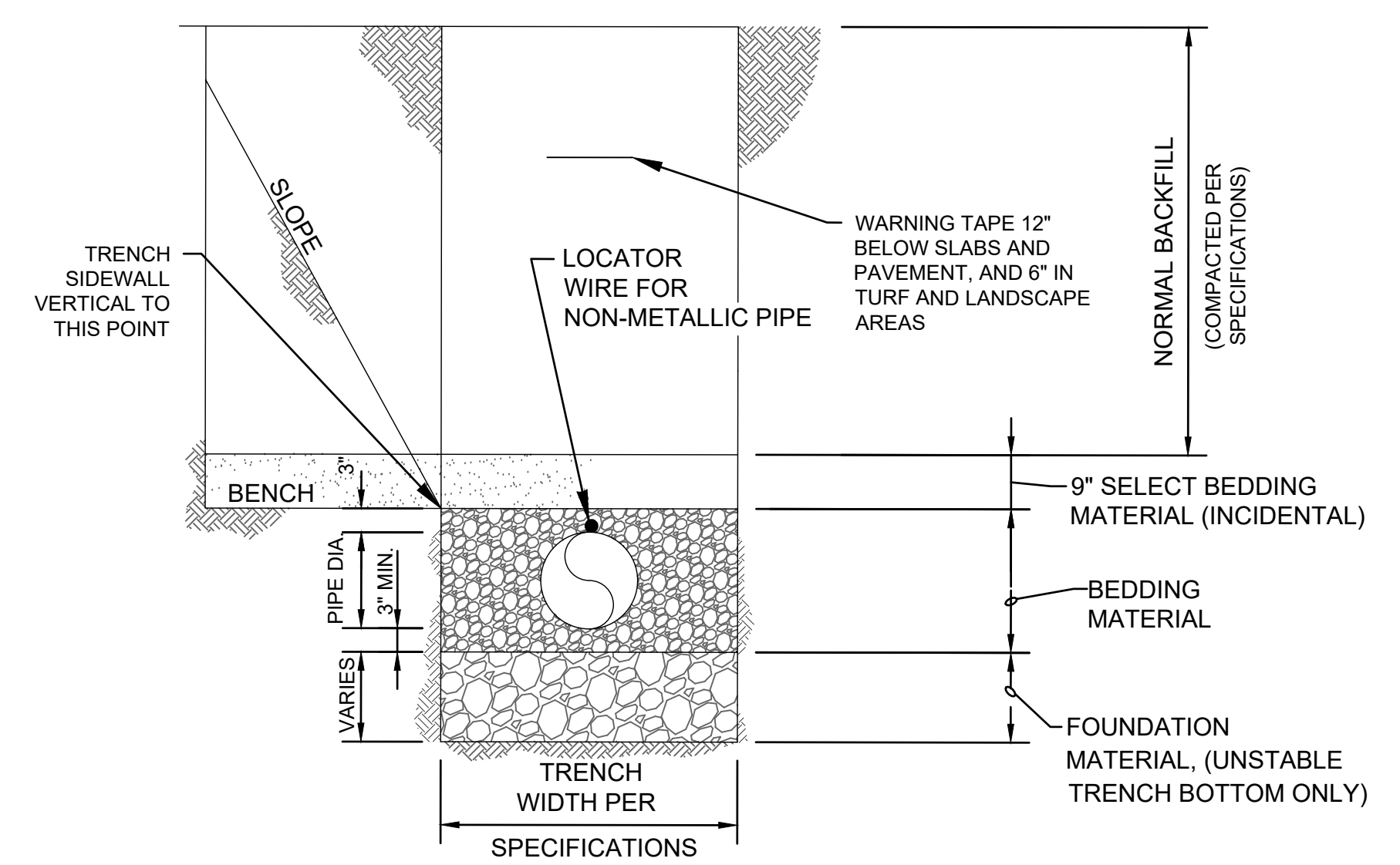
Drawing Number

C-505

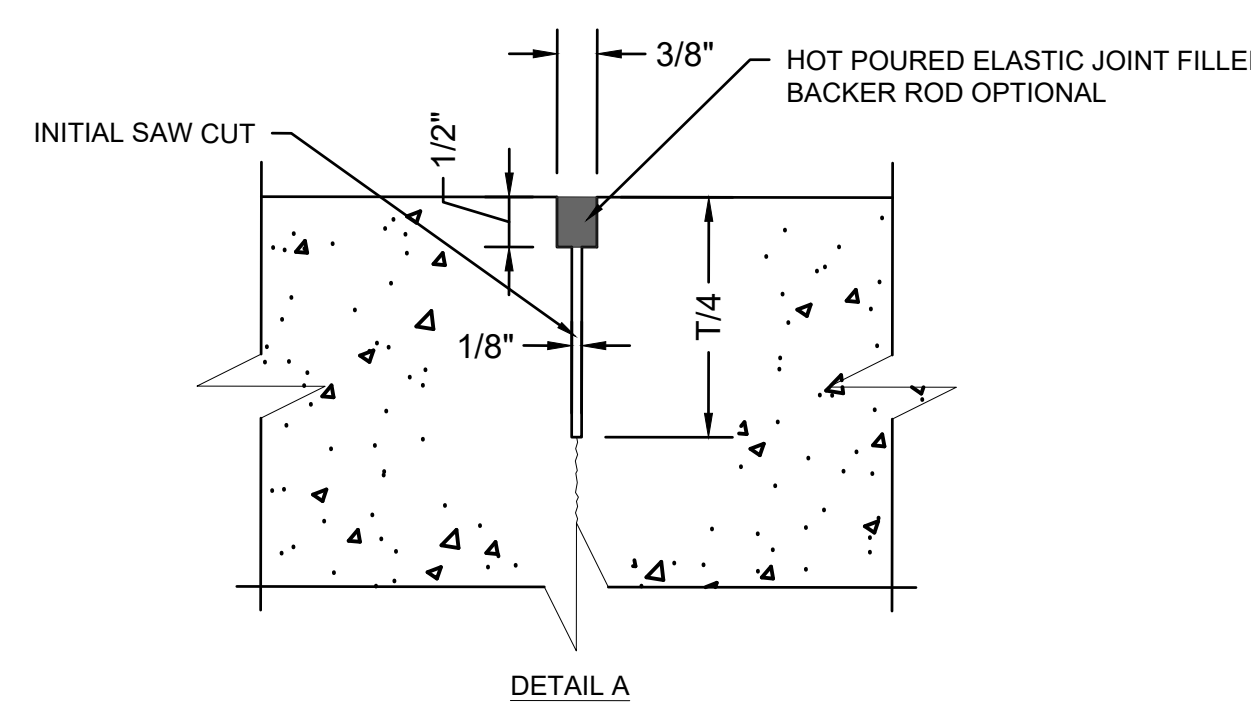


PAVEMENT THICKNESS (IN.)	DOWEL DIAMETER (IN.)
6	3/4"
7	1
>8	1 1/4

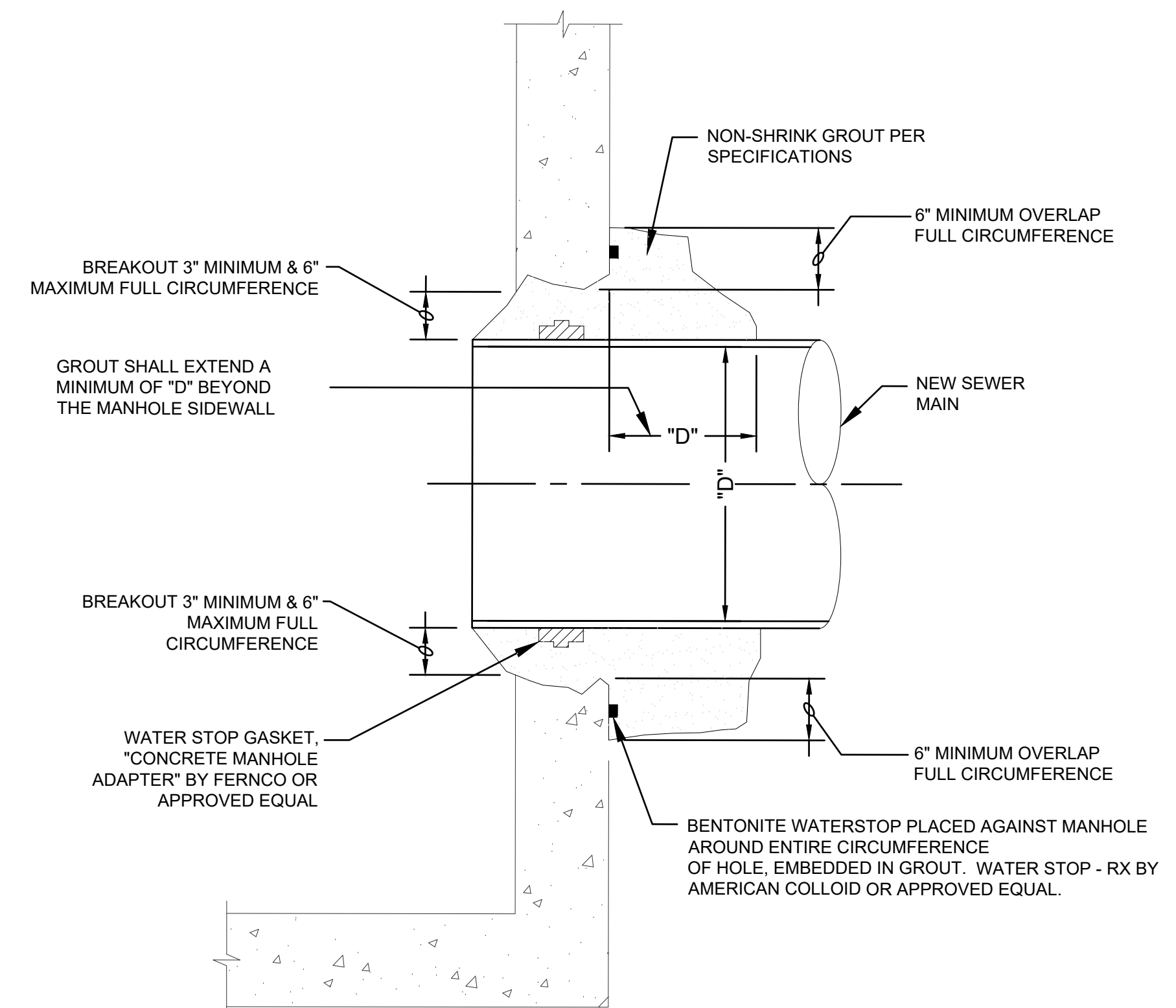
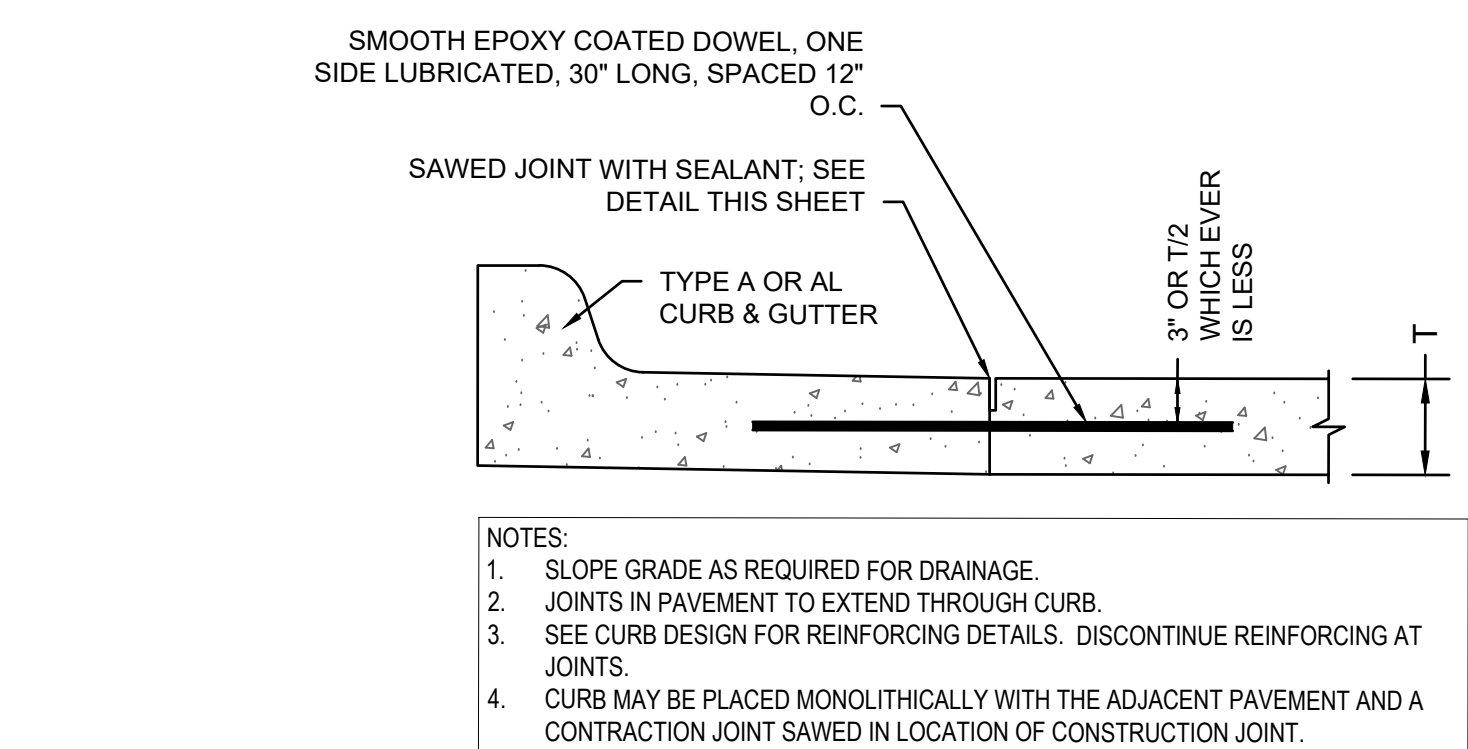
NOTE:
1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH ACI 308R-08.
2. DOWEL BAR ASSEMBLY IS RECOMMENDED TO KEEP DOWELS IN PROPER ALIGNMENT.
3. DOWELS SHALL NOT BE PLACED CLOSER THAN 12" TO A JOINT INTERSECTION.



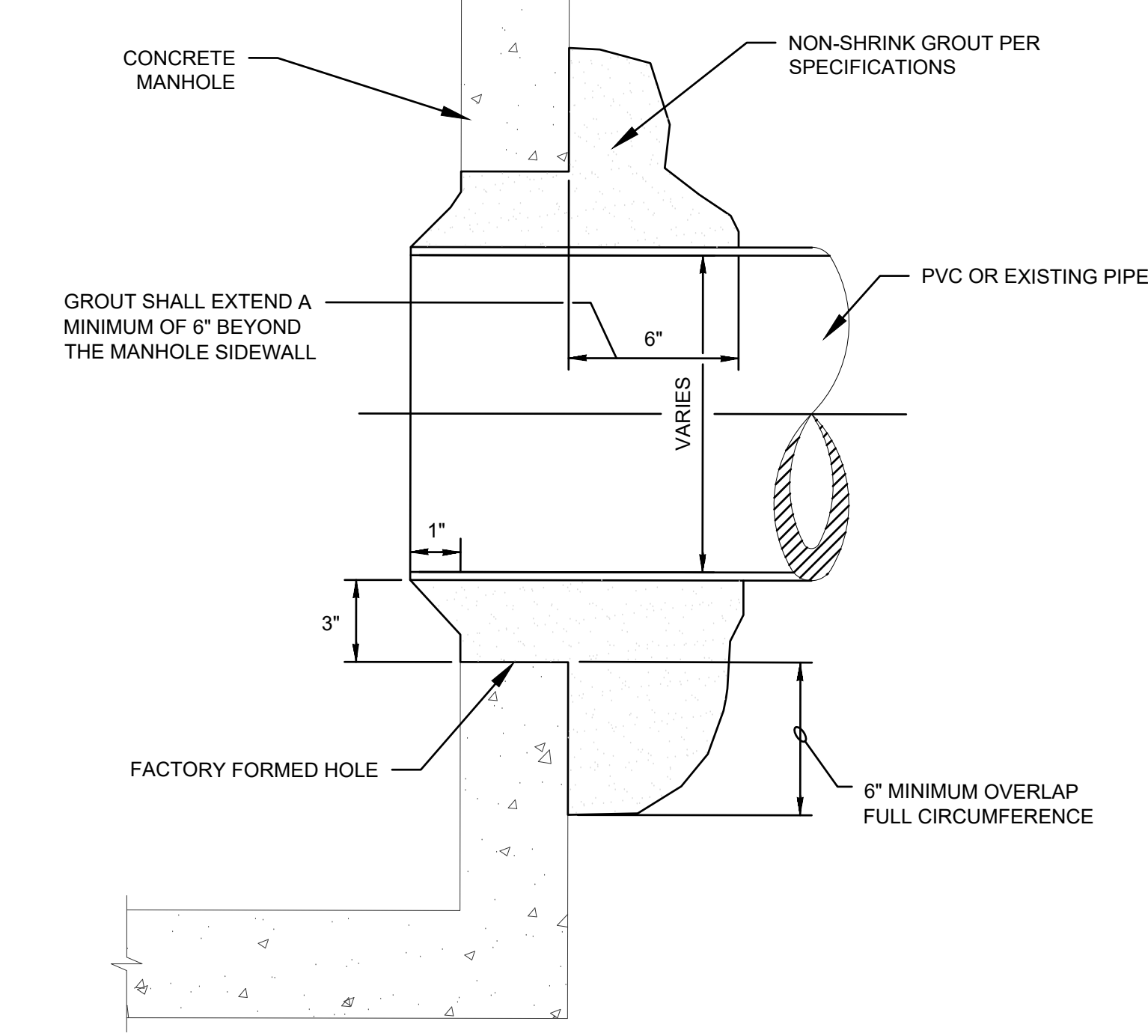
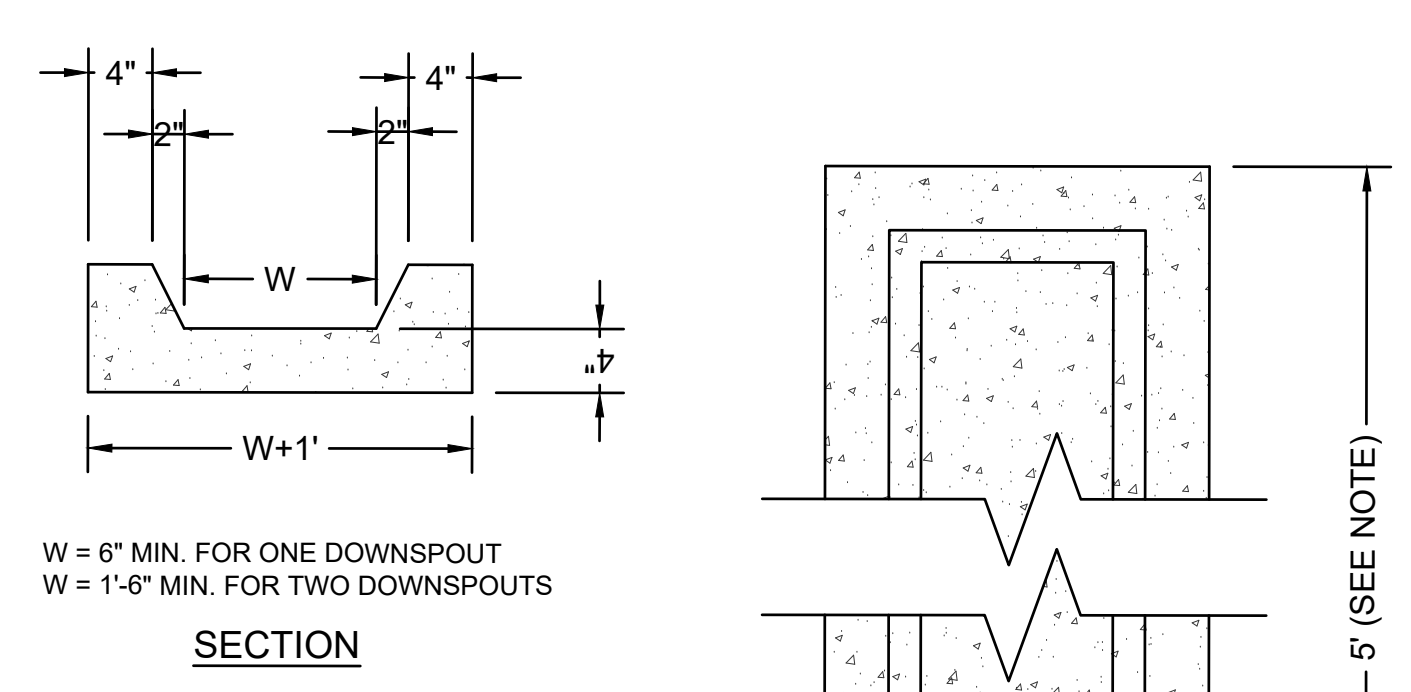
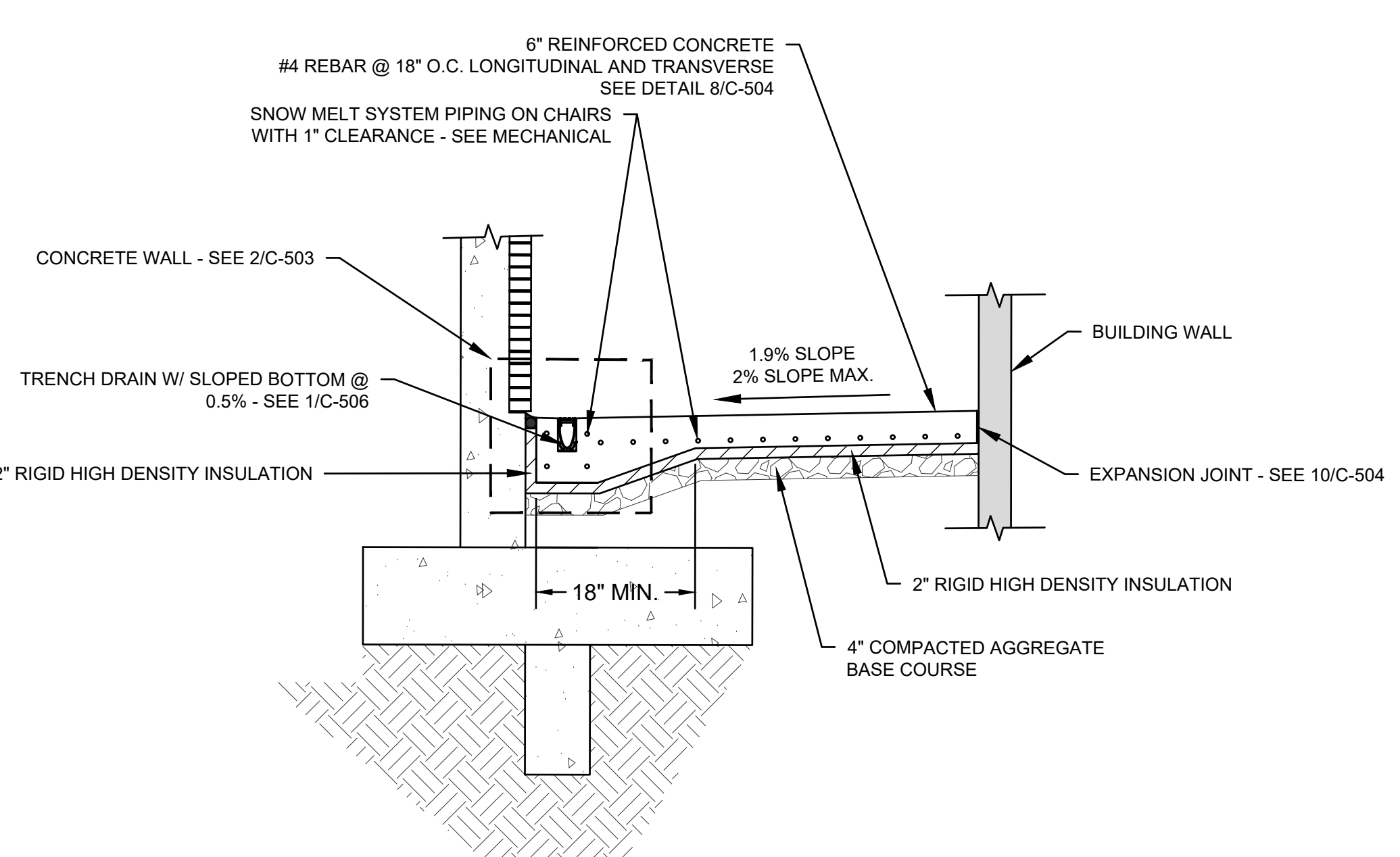
NOTE: THE FIRST SAW CUT TO CONTROL CRACKING SHALL BE A MINIMUM OF 1/4 THE DEPTH OF THE PAVEMENT. ADDITIONAL SAWING FOR WIDENING THE SAW CUT TO PROVIDE THE WIDTH FOR THE INSTALLATION OF THE LOW MODULUS SILICONE JOINT SEALANT WILL BE NECESSARY. BACKER ROD SHALL BE NON-MOISTURE ABSORBING RESILIENT MATERIAL APPROXIMATELY 25% LARGER IN DIAMETER THAN THE WIDTH OF THE JOINT TO BE SEALED.



PAVEMENT CONTRACTION JOINT DETAILS
N.T.S.

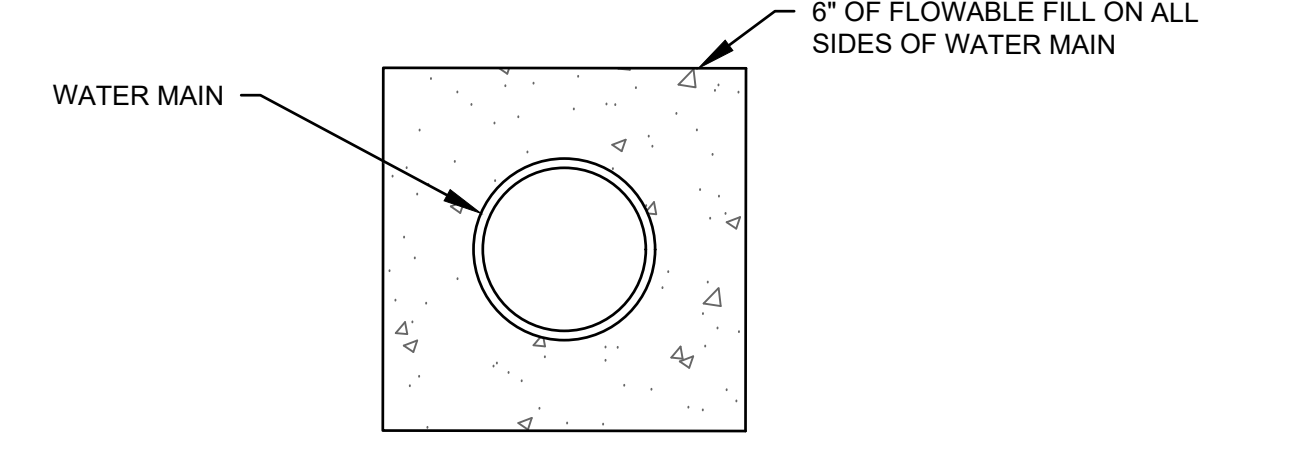


1 JOINT DETAILS
SCALE: NTS



3 PIPE CONNECTION TO SANITARY MANHOLE
SCALE: NTS

7 ENCASEMENT DETAIL
SCALE: NTS



File Path: Y:\050010584.va.siofax.falls - construct new sps - cpl_07_civil_01_cad_files_01_sheets\10584-cad\cpl.dwg | edf:edrdmankle | saved:21/02/2025 11:55 AM | pld:21/02/2025 12:15 PM
 VA FORM 08 - 6231

Revisions:	Date:

CONSULTANTS

IMEG **ECOdesign**

ARCHITECT/ENGINEER OF RECORD

ANDERSON

13605 1st Ave. N. #100 Plymouth, MN 55441
 P 763.412.4000 | F 763.412.4090 | ae-mn.com
 Anderson Engineering of Minnesota, LLC | Proj # 10584

STAMP

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT, WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA

EDWIN J. V. BROADMARKLE, PE
 DATE: 2025.02.14 LICENSE NO: 55409

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: **CIVIL DETAILS**

Approved: Project Director

SIOUX FALLS VA HEALTH CARE SYSTEM

Phase: **BID DOCUMENTS**

FULLY SPRINKLERED

Project Title: **CONSTRUCT NEW SPS**

Location: **SIOUX FALLS, SOUTH DAKOTA**

Issue Date: 02/14/2025

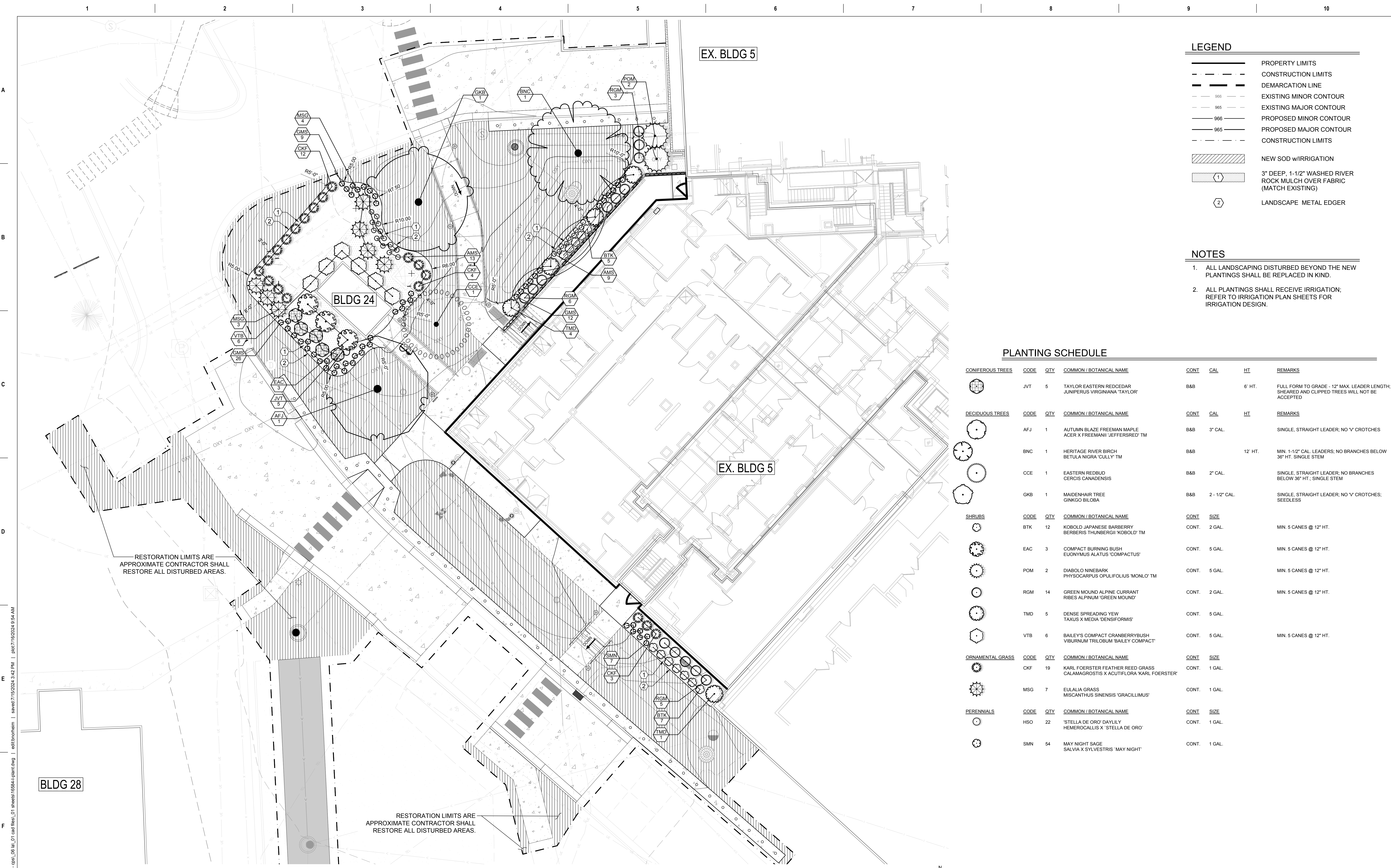
Checked: EB

Drawn: AB

Project Number: **438-460**

Building Number: **5**

Drawing Number: **C-507**



LEGEND

	PROPERTY LIMITS
	CONSTRUCTION LIMITS
	DEMARCATION LINE
	EXISTING MINOR CONTOUR
	EXISTING MAJOR CONTOUR
	PROPOSED MINOR CONTOUR
	PROPOSED MAJOR CONTOUR
	CONSTRUCTION LIMITS
	NEW SOD w/IRRIGATION
	3" DEEP, 1-1/2" WASHED RIVER ROCK MULCH OVER FABRIC (MATCH EXISTING)
	LANDSCAPE METAL EDGER

- NOTES**
- ALL LANDSCAPING DISTURBED BEYOND THE NEW PLANTINGS SHALL BE REPLACED IN KIND.
 - ALL PLANTINGS SHALL RECEIVE IRRIGATION; REFER TO IRRIGATION PLAN SHEETS FOR IRRIGATION DESIGN.

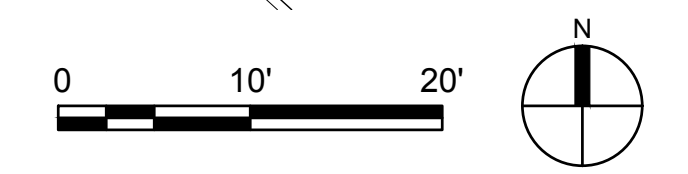
PLANTING SCHEDULE

CONIFEROUS TREES	CODE	QTY	COMMON / BOTANICAL NAME	CONT	CAL	HT	REMARKS
	JVT	5	TAYLOR EASTERN REDCEDAR JUNIPERUS VIRGINIANA 'TAYLOR'	B&B		6' HT.	FULL FORM TO GRADE - 12" MAX. LEADER LENGTH; SHEARED AND CLIPPED TREES WILL NOT BE ACCEPTED
DECIDUOUS TREES	CODE	QTY	COMMON / BOTANICAL NAME	CONT	CAL	HT	REMARKS
	AFJ	1	AUTUMN BLAZE FREEMAN MAPLE ACER X FREEMANI 'JEFFERSRED' TM	B&B		3" CAL.	SINGLE, STRAIGHT LEADER; NO 'V' CROTCHES
	BNC	1	HERITAGE RIVER BIRCH BETULA NIGRA 'CULLY' TM	B&B		12' HT.	MIN. 1-1/2" CAL. LEADERS; NO BRANCHES BELOW 36" HT. SINGLE STEM
	CCE	1	EASTERN REDBUD CERCIS CANADENSIS	B&B		2" CAL.	SINGLE, STRAIGHT LEADER; NO BRANCHES BELOW 36" HT.; SINGLE STEM
	GKB	1	MAIDENHAIR TREE GINKGO BILOBA	B&B		2 - 1/2" CAL.	SINGLE, STRAIGHT LEADER; NO 'V' CROTCHES; SEEDLESS
SHRUBS	CODE	QTY	COMMON / BOTANICAL NAME	CONT.	SIZE		
	BTK	12	KOBOLD JAPANESE BARBERRY BERBERIS THUNBERGII 'KOBOLD' TM	CONT.	2 GAL.		MIN. 5 CANES @ 12" HT.
	EAC	3	COMPACT BURNING BUSH EUONYMUS ALATUS 'COMPACTUS'	CONT.	5 GAL.		MIN. 5 CANES @ 12" HT.
	POM	2	DIABLO NINEBARK PHYSCARPUS OPULIFOLIUS 'MONLO' TM	CONT.	5 GAL.		MIN. 5 CANES @ 12" HT.
	RGM	14	GREEN MOUND ALPINE CURRANT RIBES ALPNUM 'GREEN MOUND'	CONT.	2 GAL.		MIN. 5 CANES @ 12" HT.
	TMD	5	DENSE SPREADING YEW TAXUS X MEDIA 'DENSIFORMIS'	CONT.	5 GAL.		
	VTB	6	BAILEY'S COMPACT CRANBERRYBUSH VIBURNUM TRILOBUM 'BAILEY COMPACT'	CONT.	5 GAL.		MIN. 5 CANES @ 12" HT.
ORNAMENTAL GRASS	CODE	QTY	COMMON / BOTANICAL NAME	CONT.	SIZE		
	CKF	19	KARL FOERSTER FEATHER REED GRASS CALAMAGROSTIS X ACUTIFLORA 'KARL FOERSTER'	CONT.	1 GAL.		
	MSG	7	EULALIA GRASS MISCANTHUS SINENSIS 'GRACILLIMUS'	CONT.	1 GAL.		
PERENNIALS	CODE	QTY	COMMON / BOTANICAL NAME	CONT.	SIZE		
	HSO	22	'STELLA DE ORO' DAYLILY HEMEROCALLIS X 'STELLA DE ORO'	CONT.	1 GAL.		
	SMN	54	MAY NIGHT SAGE SALVIA X SYLVESTRIS 'MAY NIGHT'	CONT.	1 GAL.		

RESTORATION LIMITS ARE APPROXIMATE CONTRACTOR SHALL RESTORE ALL DISTURBED AREAS.

RESTORATION LIMITS ARE APPROXIMATE CONTRACTOR SHALL RESTORE ALL DISTURBED AREAS.

1 PLANTING PLAN
SCALE: 1" = 10' (30" x 42" PAPER SIZE)

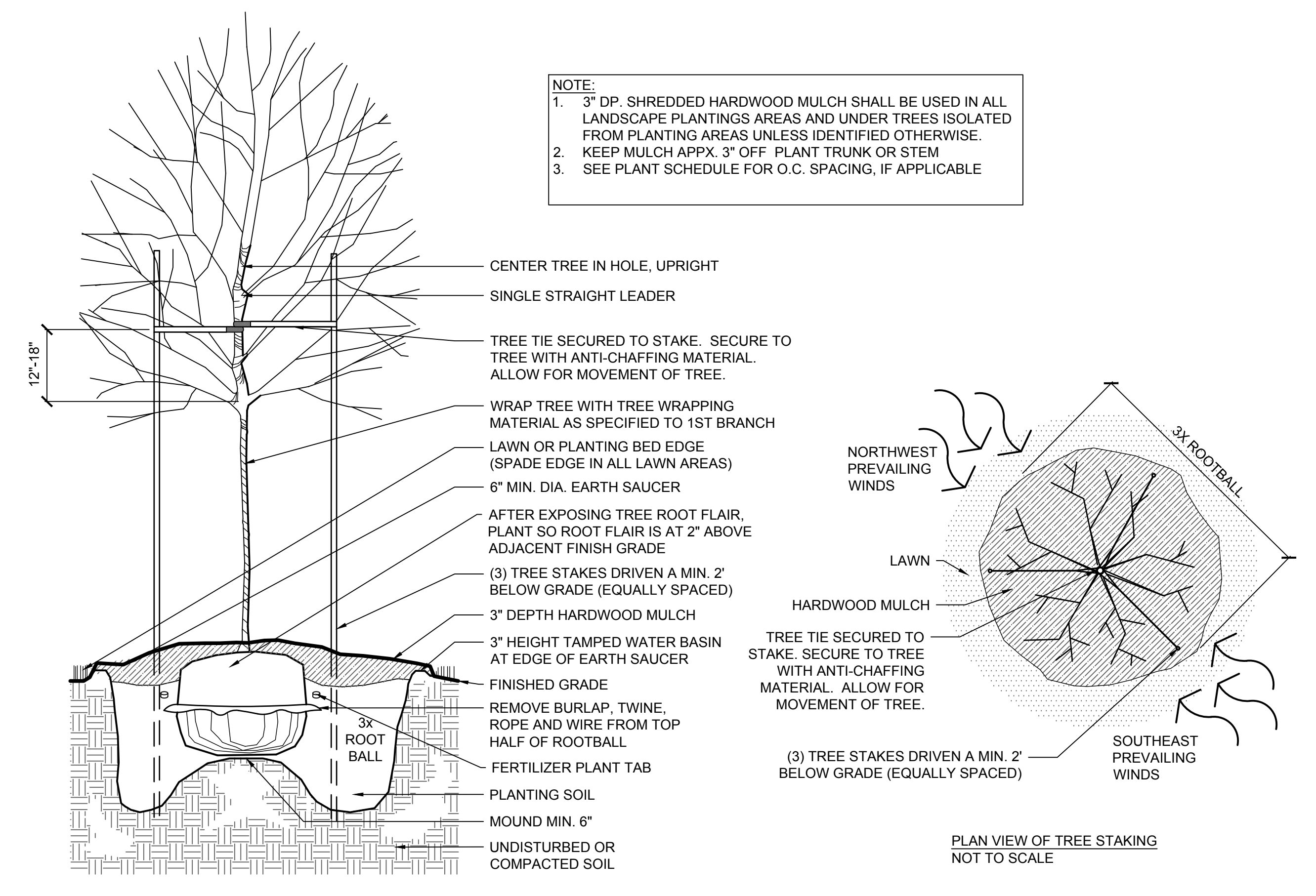


Revisions: Date:	CONSULTANTS 	ARCHITECT/ENGINEER OF RECORD 13605 1st Ave. N. #100 Plymouth, MN 55441 P 763.412.4000 F 763.412.4090 ae-mn.com Anderson Engineering of Minnesota, LLC Proj # 16584	STAMP 	Office of Construction and Facilities Management U.S. Department of Veterans Affairs	Drawing Title PLANTING PLAN	Phase BID DOCUMENTS	Project Title CONSTRUCT NEW SPS	Project Number 438-460
				Approved: Project Director SIOUX FALLS VA HEALTH CARE SYSTEM	FULLY SPRINKLERED	Location SIOUX FALLS, SOUTH DAKOTA	Drawing Number LP101	

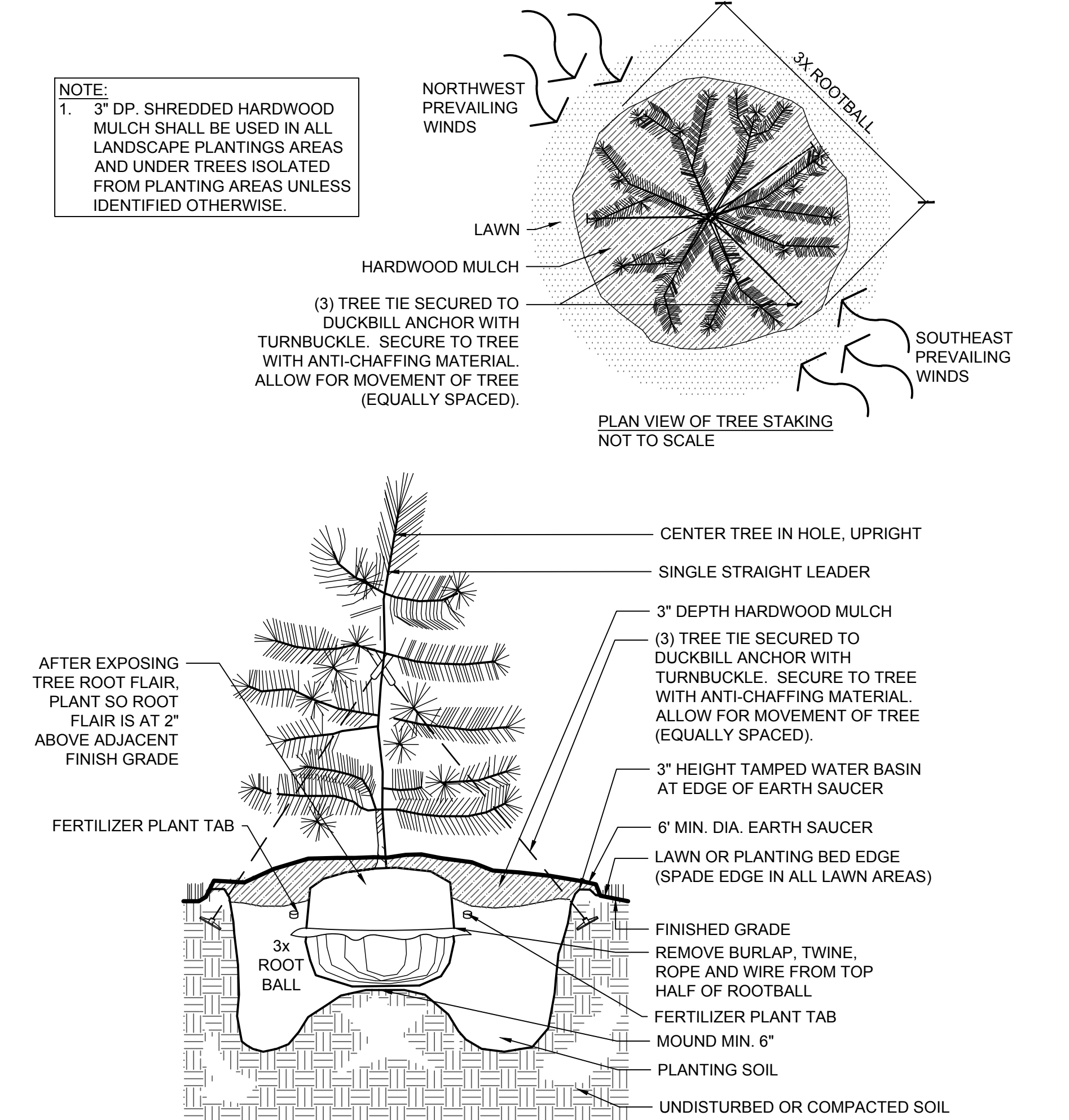
A
B
C
D
E
F

A
B
C
D
E
F

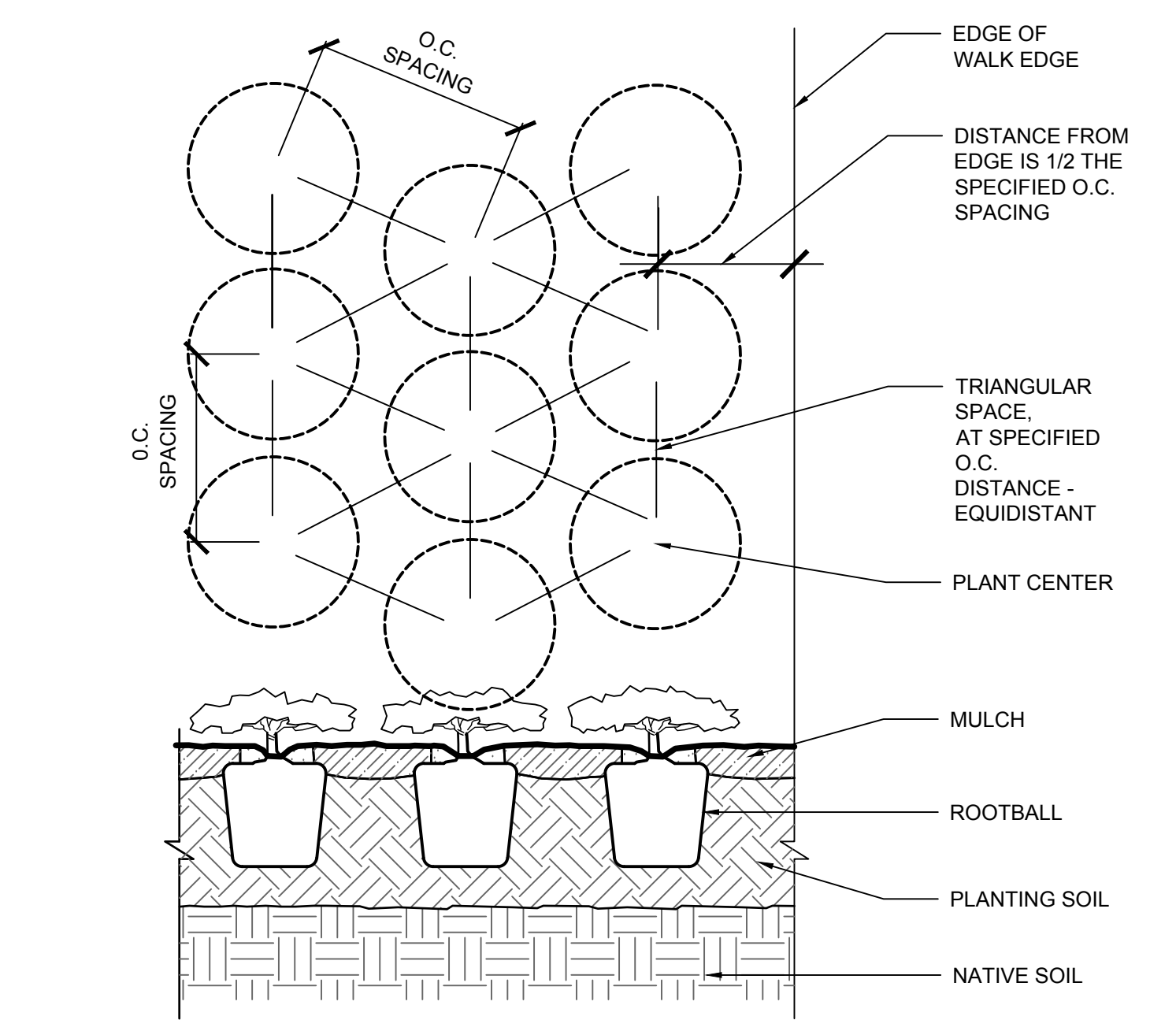
1 DECIDUOUS TREE PLANTING
SCALE: N.T.S.



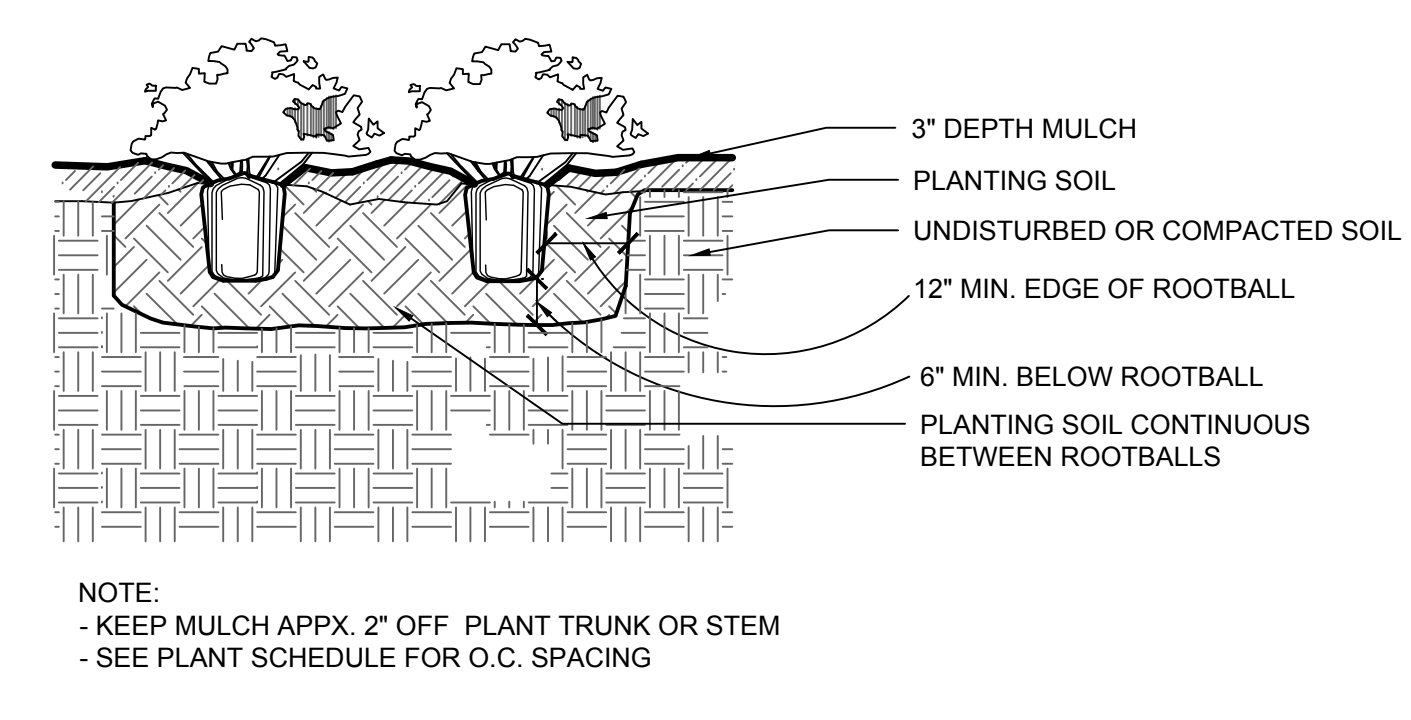
2 CONIFEROUS TREE PLANTING
SCALE: N.T.S.



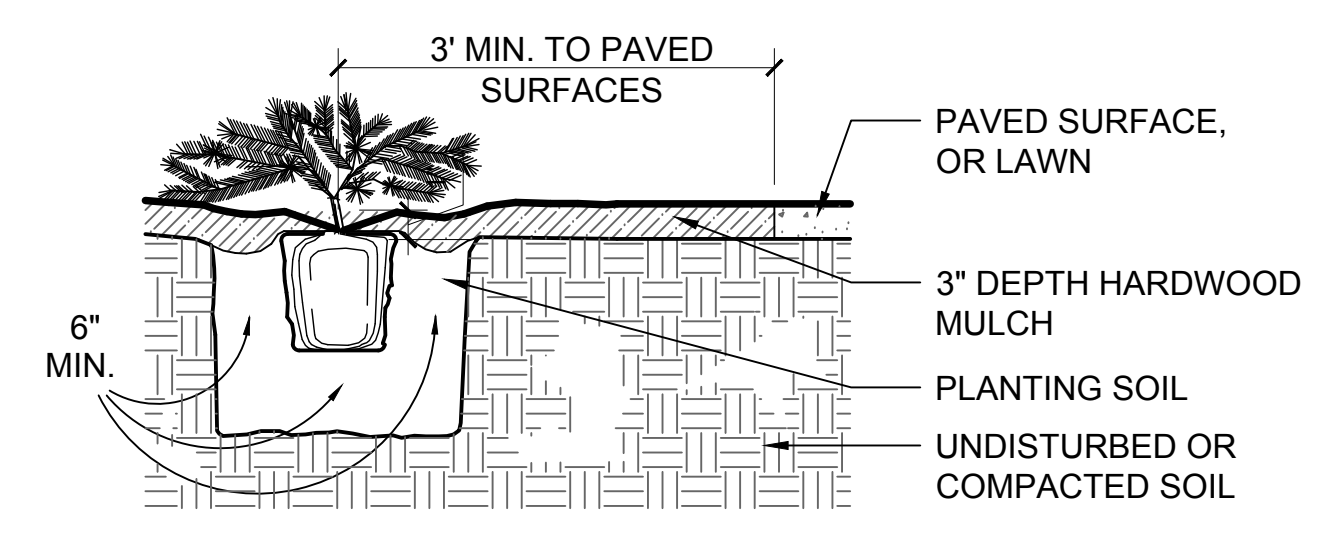
3 SHRUB BED SPACING
SCALE: N.T.S.



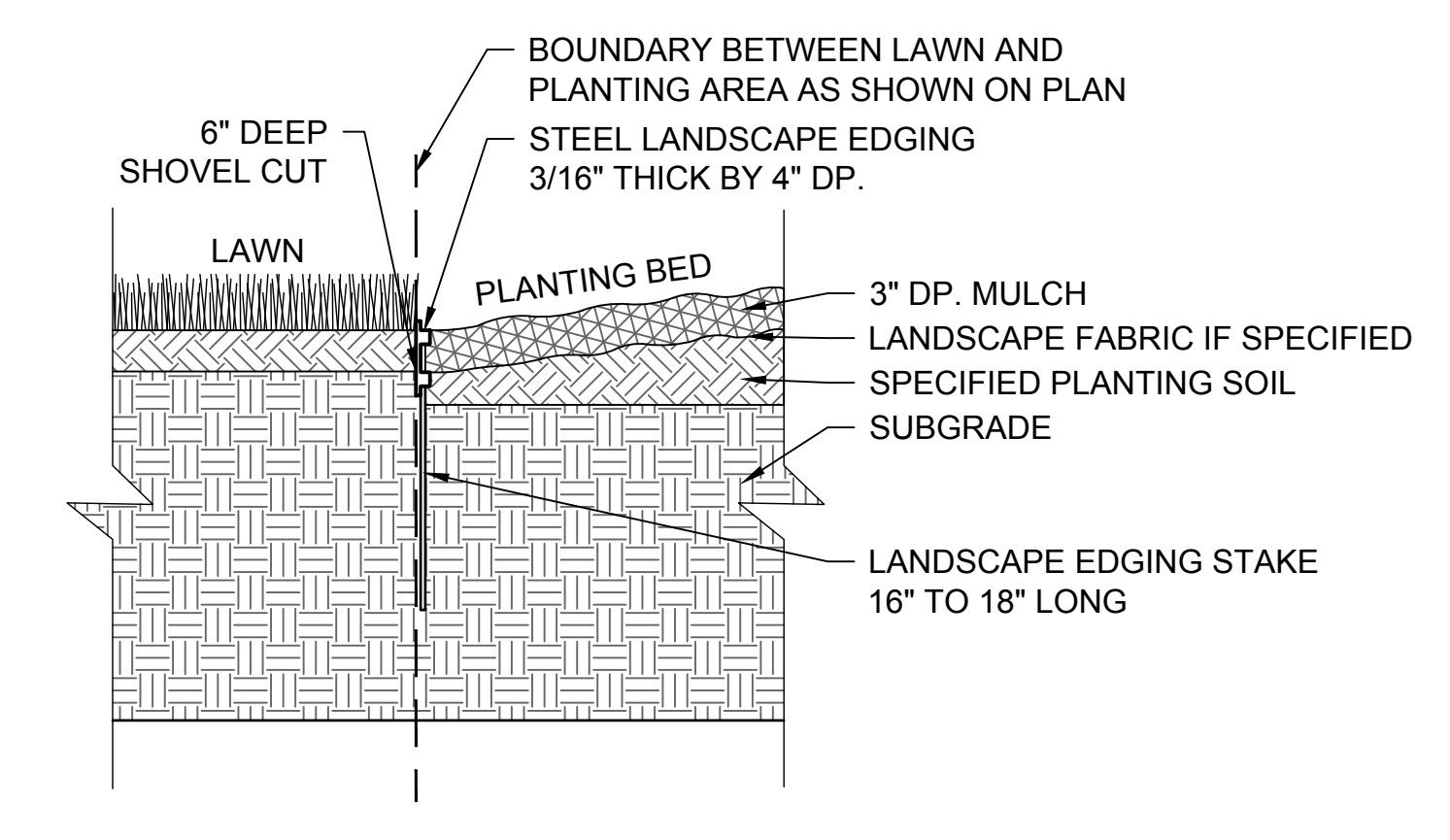
4 DECIDUOUS SHRUB PLANTING
SCALE: N.T.S.



5 EVERGREEN SHRUB PLANTING
SCALE: N.T.S.

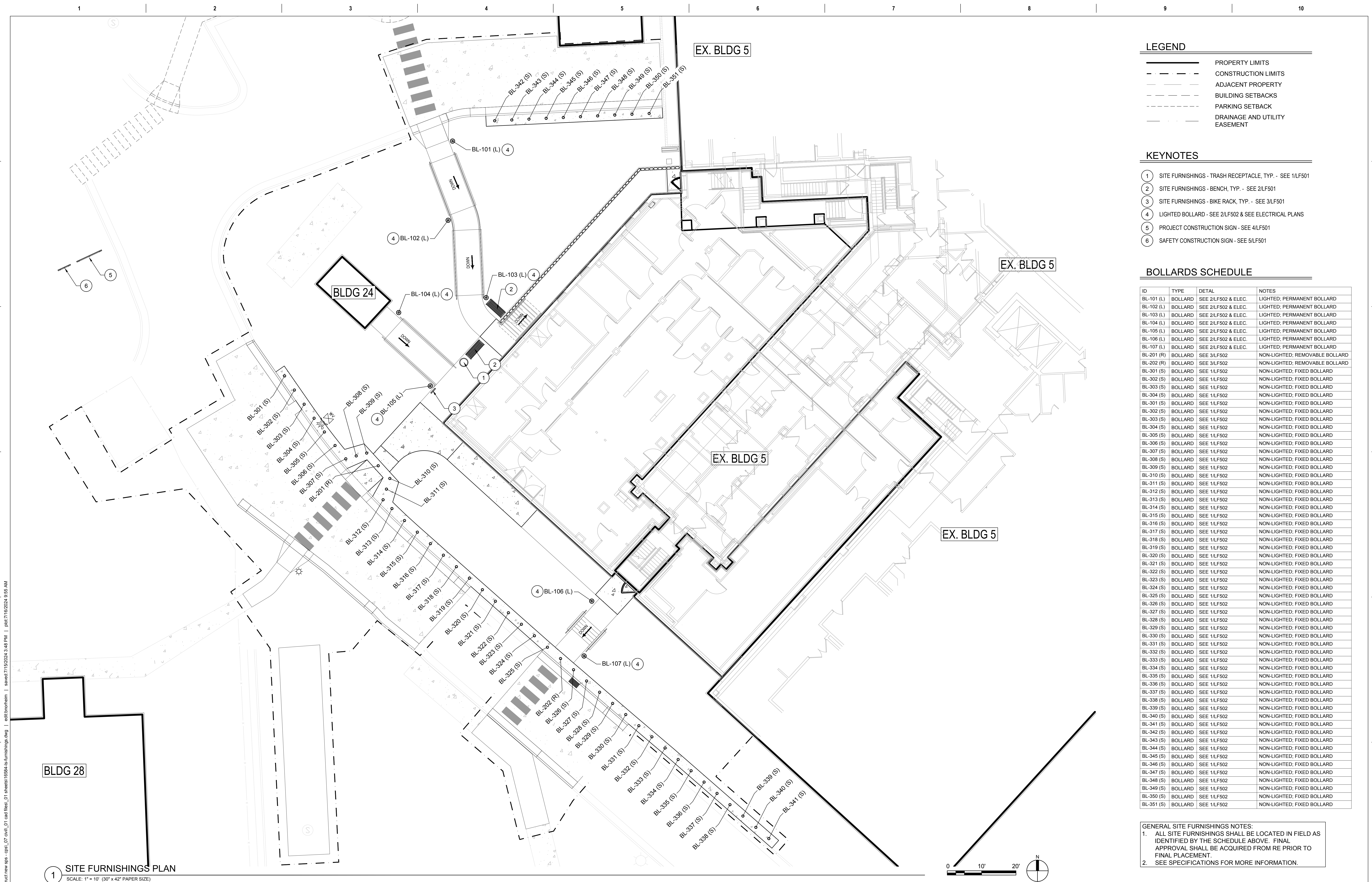


6 METAL LANDSCAPE EDGING
SCALE: N.T.S.



File Path: Y:\050010504 - va sioux falls - construct new sps - cps_06_01_01 - cad files_01 sheets\0504-plm.dwg | saved: 7/15/2024 9:55 AM | pdf: 7/15/2024 9:55 AM | edit: 7/15/2024 9:55 AM

Revisions:	Date:	CONSULTANTS		ARCHITECT/ENGINEER OF RECORD		STAMP	Office of Construction and Facilities Management	Drawing Title	Phase	Project Title	Project Number
							U.S. Department of Veterans Affairs	PLANTING DETAILS	BID DOCUMENTS	CONSTRUCT NEW SPS	438-460
				13605 1st Ave. N. #100 Plymouth, MN 55441 P 763.412.4000 F 763.412.4090 e-mn.com Anderson Engineering of Minnesota, LLC Proj # 16584				Approved: Project Director	FULLY SPRINKLERED	Location	Building Number
								SIoux FALLS VA HEALTH CARE SYSTEM		SIoux FALLS, SOUTH DAKOTA	5
										Issue Date	Drawing Number
										02/14/2025	LP501
										Checked	Drawn
										CC	JF



LEGEND

---	PROPERTY LIMITS
- - - -	CONSTRUCTION LIMITS
---	ADJACENT PROPERTY
---	BUILDING SETBACKS
---	PARKING SETBACK
---	DRAINAGE AND UTILITY EASEMENT

- KEYNOTES**
- 1 SITE FURNISHINGS - TRASH RECEPTACLE, TYP. - SEE 1/LF501
 - 2 SITE FURNISHINGS - BENCH, TYP. - SEE 2/LF501
 - 3 SITE FURNISHINGS - BIKE RACK, TYP. - SEE 3/LF501
 - 4 LIGHTED BOLLARD - SEE 2/LF502 & SEE ELECTRICAL PLANS
 - 5 PROJECT CONSTRUCTION SIGN - SEE 4/LF501
 - 6 SAFETY CONSTRUCTION SIGN - SEE 5/LF501

BOLLARDS SCHEDULE

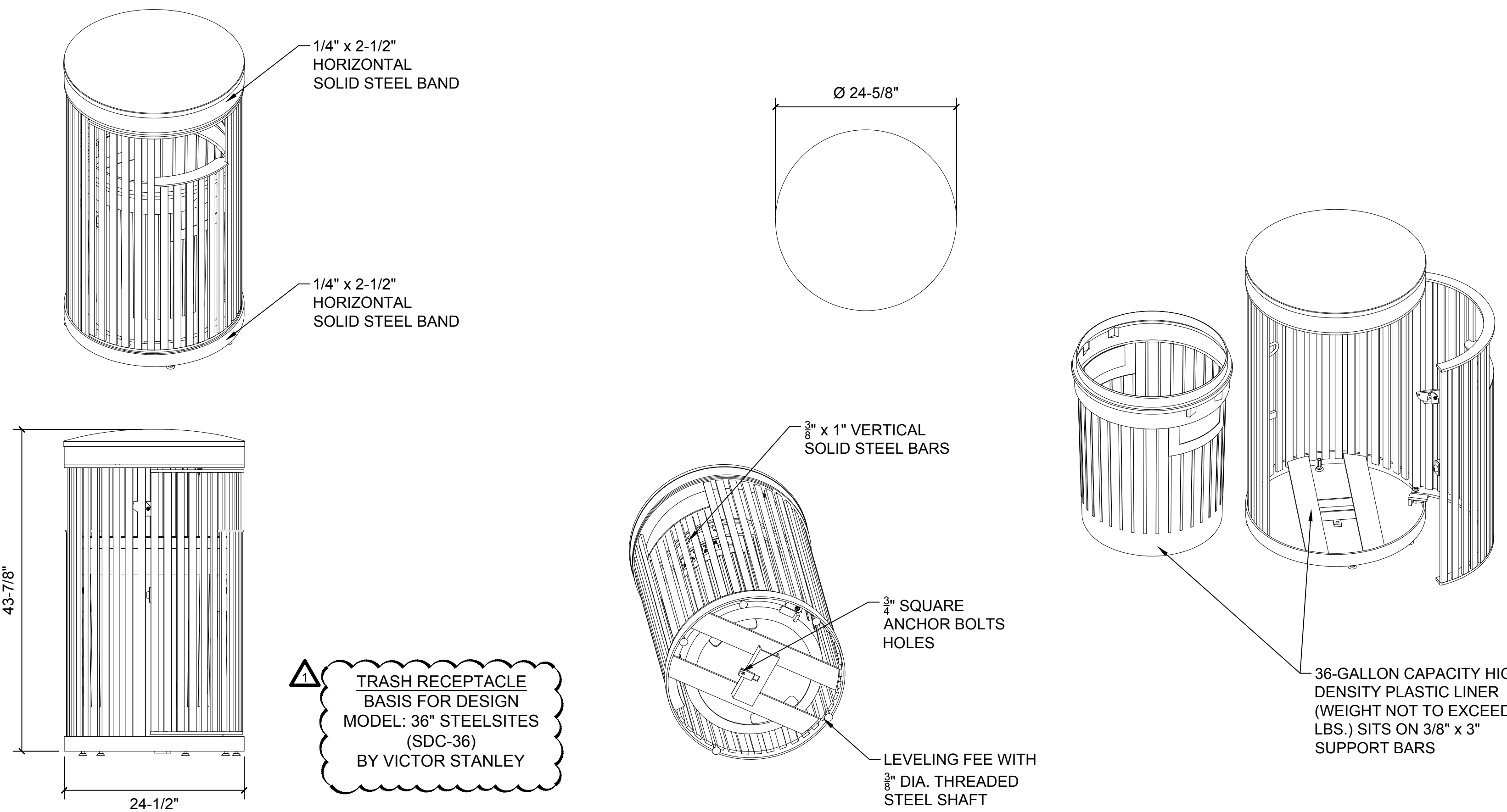
ID	TYPE	DETAIL	NOTES
BL-101 (L)	BOLLARD	SEE 2/LF502 & ELEC.	LIGHTED; PERMANENT BOLLARD
BL-102 (L)	BOLLARD	SEE 2/LF502 & ELEC.	LIGHTED; PERMANENT BOLLARD
BL-103 (L)	BOLLARD	SEE 2/LF502 & ELEC.	LIGHTED; PERMANENT BOLLARD
BL-104 (L)	BOLLARD	SEE 2/LF502 & ELEC.	LIGHTED; PERMANENT BOLLARD
BL-105 (L)	BOLLARD	SEE 2/LF502 & ELEC.	LIGHTED; PERMANENT BOLLARD
BL-106 (L)	BOLLARD	SEE 2/LF502 & ELEC.	LIGHTED; PERMANENT BOLLARD
BL-107 (L)	BOLLARD	SEE 2/LF502 & ELEC.	LIGHTED; PERMANENT BOLLARD
BL-201 (R)	BOLLARD	SEE 3/LF502	NON-LIGHTED; REMOVABLE BOLLARD
BL-202 (R)	BOLLARD	SEE 3/LF502	NON-LIGHTED; REMOVABLE BOLLARD
BL-301 (S)	BOLLARD	SEE 1/LF502	NON-LIGHTED; FIXED BOLLARD
BL-302 (S)	BOLLARD	SEE 1/LF502	NON-LIGHTED; FIXED BOLLARD
BL-303 (S)	BOLLARD	SEE 1/LF502	NON-LIGHTED; FIXED BOLLARD
BL-304 (S)	BOLLARD	SEE 1/LF502	NON-LIGHTED; FIXED BOLLARD
BL-301 (S)	BOLLARD	SEE 1/LF502	NON-LIGHTED; FIXED BOLLARD
BL-302 (S)	BOLLARD	SEE 1/LF502	NON-LIGHTED; FIXED BOLLARD
BL-303 (S)	BOLLARD	SEE 1/LF502	NON-LIGHTED; FIXED BOLLARD
BL-304 (S)	BOLLARD	SEE 1/LF502	NON-LIGHTED; FIXED BOLLARD
BL-305 (S)	BOLLARD	SEE 1/LF502	NON-LIGHTED; FIXED BOLLARD
BL-306 (S)	BOLLARD	SEE 1/LF502	NON-LIGHTED; FIXED BOLLARD
BL-307 (S)	BOLLARD	SEE 1/LF502	NON-LIGHTED; FIXED BOLLARD
BL-308 (S)	BOLLARD	SEE 1/LF502	NON-LIGHTED; FIXED BOLLARD
BL-309 (S)	BOLLARD	SEE 1/LF502	NON-LIGHTED; FIXED BOLLARD
BL-310 (S)	BOLLARD	SEE 1/LF502	NON-LIGHTED; FIXED BOLLARD
BL-311 (S)	BOLLARD	SEE 1/LF502	NON-LIGHTED; FIXED BOLLARD
BL-312 (S)	BOLLARD	SEE 1/LF502	NON-LIGHTED; FIXED BOLLARD
BL-313 (S)	BOLLARD	SEE 1/LF502	NON-LIGHTED; FIXED BOLLARD
BL-314 (S)	BOLLARD	SEE 1/LF502	NON-LIGHTED; FIXED BOLLARD
BL-315 (S)	BOLLARD	SEE 1/LF502	NON-LIGHTED; FIXED BOLLARD
BL-316 (S)	BOLLARD	SEE 1/LF502	NON-LIGHTED; FIXED BOLLARD
BL-317 (S)	BOLLARD	SEE 1/LF502	NON-LIGHTED; FIXED BOLLARD
BL-318 (S)	BOLLARD	SEE 1/LF502	NON-LIGHTED; FIXED BOLLARD
BL-319 (S)	BOLLARD	SEE 1/LF502	NON-LIGHTED; FIXED BOLLARD
BL-320 (S)	BOLLARD	SEE 1/LF502	NON-LIGHTED; FIXED BOLLARD
BL-321 (S)	BOLLARD	SEE 1/LF502	NON-LIGHTED; FIXED BOLLARD
BL-322 (S)	BOLLARD	SEE 1/LF502	NON-LIGHTED; FIXED BOLLARD
BL-323 (S)	BOLLARD	SEE 1/LF502	NON-LIGHTED; FIXED BOLLARD
BL-324 (S)	BOLLARD	SEE 1/LF502	NON-LIGHTED; FIXED BOLLARD
BL-325 (S)	BOLLARD	SEE 1/LF502	NON-LIGHTED; FIXED BOLLARD
BL-326 (S)	BOLLARD	SEE 1/LF502	NON-LIGHTED; FIXED BOLLARD
BL-327 (S)	BOLLARD	SEE 1/LF502	NON-LIGHTED; FIXED BOLLARD
BL-328 (S)	BOLLARD	SEE 1/LF502	NON-LIGHTED; FIXED BOLLARD
BL-329 (S)	BOLLARD	SEE 1/LF502	NON-LIGHTED; FIXED BOLLARD
BL-330 (S)	BOLLARD	SEE 1/LF502	NON-LIGHTED; FIXED BOLLARD
BL-331 (S)	BOLLARD	SEE 1/LF502	NON-LIGHTED; FIXED BOLLARD
BL-332 (S)	BOLLARD	SEE 1/LF502	NON-LIGHTED; FIXED BOLLARD
BL-333 (S)	BOLLARD	SEE 1/LF502	NON-LIGHTED; FIXED BOLLARD
BL-334 (S)	BOLLARD	SEE 1/LF502	NON-LIGHTED; FIXED BOLLARD
BL-335 (S)	BOLLARD	SEE 1/LF502	NON-LIGHTED; FIXED BOLLARD
BL-336 (S)	BOLLARD	SEE 1/LF502	NON-LIGHTED; FIXED BOLLARD
BL-337 (S)	BOLLARD	SEE 1/LF502	NON-LIGHTED; FIXED BOLLARD
BL-338 (S)	BOLLARD	SEE 1/LF502	NON-LIGHTED; FIXED BOLLARD
BL-339 (S)	BOLLARD	SEE 1/LF502	NON-LIGHTED; FIXED BOLLARD
BL-340 (S)	BOLLARD	SEE 1/LF502	NON-LIGHTED; FIXED BOLLARD
BL-341 (S)	BOLLARD	SEE 1/LF502	NON-LIGHTED; FIXED BOLLARD
BL-342 (S)	BOLLARD	SEE 1/LF502	NON-LIGHTED; FIXED BOLLARD
BL-343 (S)	BOLLARD	SEE 1/LF502	NON-LIGHTED; FIXED BOLLARD
BL-344 (S)	BOLLARD	SEE 1/LF502	NON-LIGHTED; FIXED BOLLARD
BL-345 (S)	BOLLARD	SEE 1/LF502	NON-LIGHTED; FIXED BOLLARD
BL-346 (S)	BOLLARD	SEE 1/LF502	NON-LIGHTED; FIXED BOLLARD
BL-347 (S)	BOLLARD	SEE 1/LF502	NON-LIGHTED; FIXED BOLLARD
BL-348 (S)	BOLLARD	SEE 1/LF502	NON-LIGHTED; FIXED BOLLARD
BL-349 (S)	BOLLARD	SEE 1/LF502	NON-LIGHTED; FIXED BOLLARD
BL-350 (S)	BOLLARD	SEE 1/LF502	NON-LIGHTED; FIXED BOLLARD
BL-351 (S)	BOLLARD	SEE 1/LF502	NON-LIGHTED; FIXED BOLLARD

GENERAL SITE FURNISHINGS NOTES:
 1. ALL SITE FURNISHINGS SHALL BE LOCATED IN FIELD AS IDENTIFIED BY THE SCHEDULE ABOVE. FINAL APPROVAL SHALL BE ACQUIRED FROM RE PRIOR TO FINAL PLACEMENT.
 2. SEE SPECIFICATIONS FOR MORE INFORMATION.

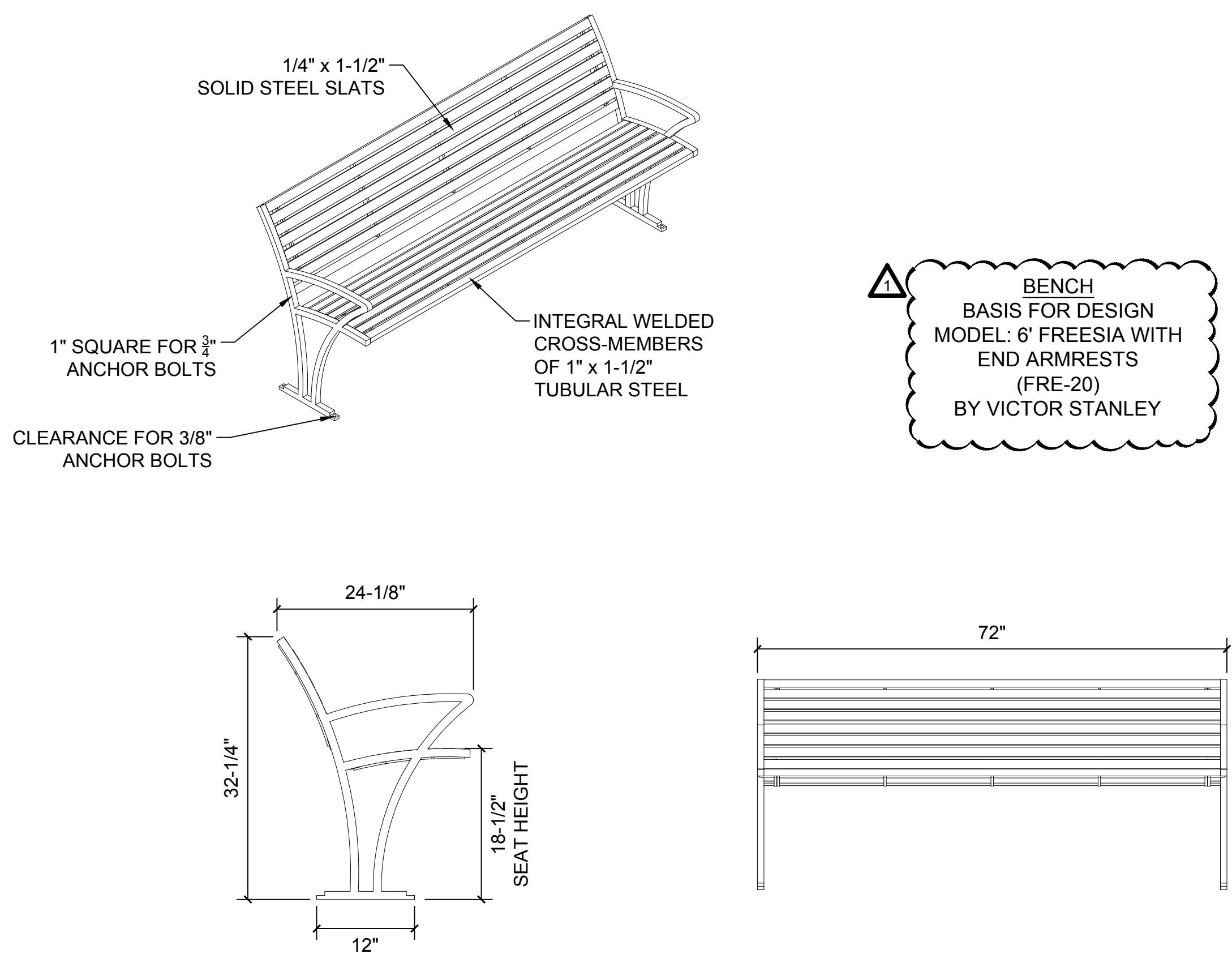
1 SITE FURNISHINGS PLAN
 SCALE: 1" = 10' (30" x 42" PAPER SIZE)

CONSULTANTS 	ARCHITECT/ENGINEER OF RECORD 13605 1st Ave. N. #100 Plymouth, MN 55441 P 763.412.4000 F 763.412.4090 ae-mn.com Anderson Engineering of Minnesota, LLC Proj # 16584	STAMP 	Office of Construction and Facilities Management U.S. Department of Veterans Affairs	Drawing Title SITE FURNISHINGS PLAN	Phase BID DOCUMENTS	Project Title CONSTRUCT NEW SPS	Project Number 438-460
				Approved: Project Director SIoux FALLS VA HEALTH CARE SYSTEM	FULLY SPRINKLERED	Location SIOUX FALLS, SOUTH DAKOTA	Building Number 5
Revisions: Date:				Issue Date 02/14/2025	Checked CC	Drawn JF	Drawing Number LF101

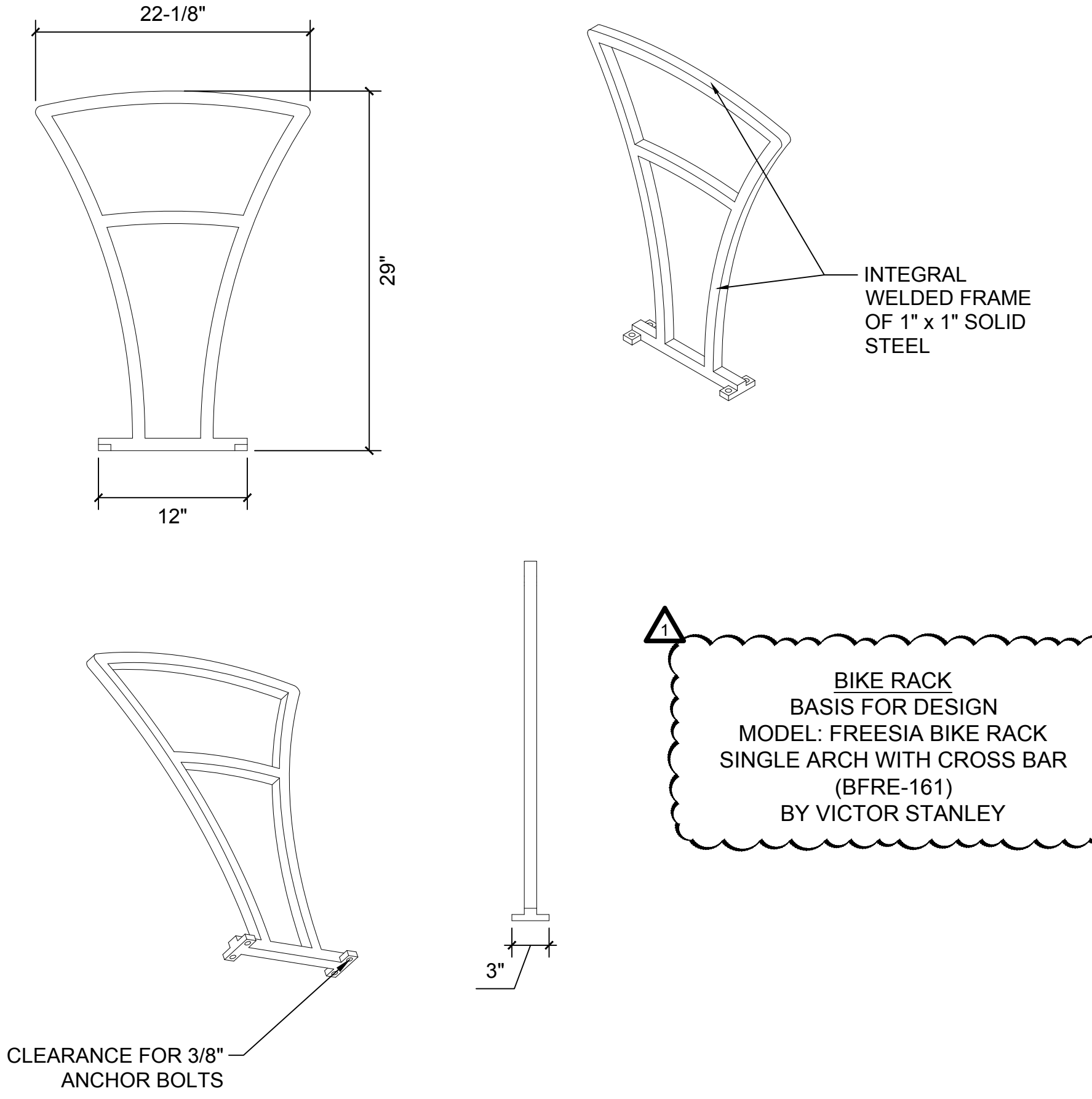
A
B
C
D
E
F



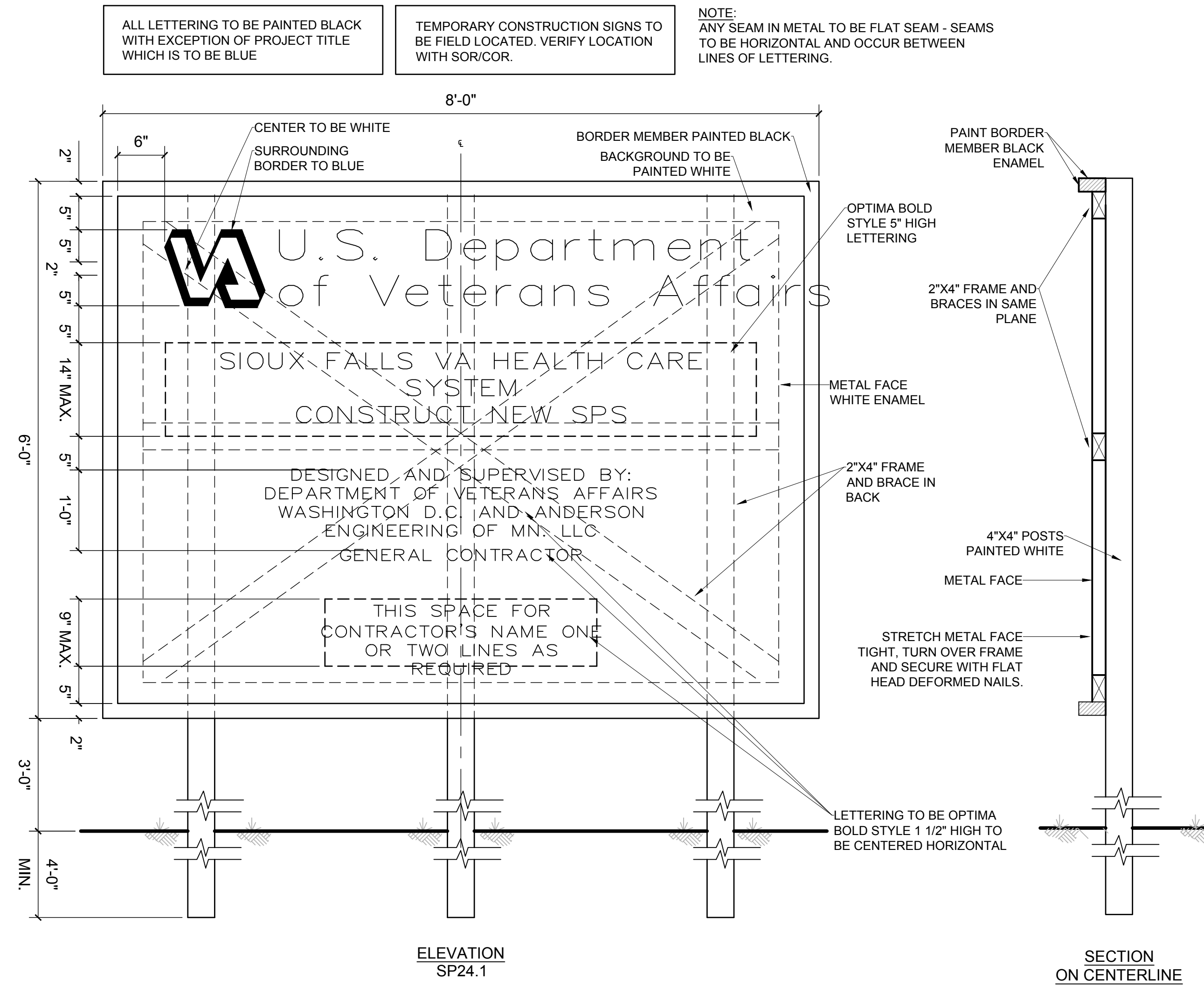
1 TRASH RECEPTACLE (OWNER PROVIDED; CONTRACTOR INSTALLED)
SCALE: N.T.S. (30" x 42" PAPER SIZE)



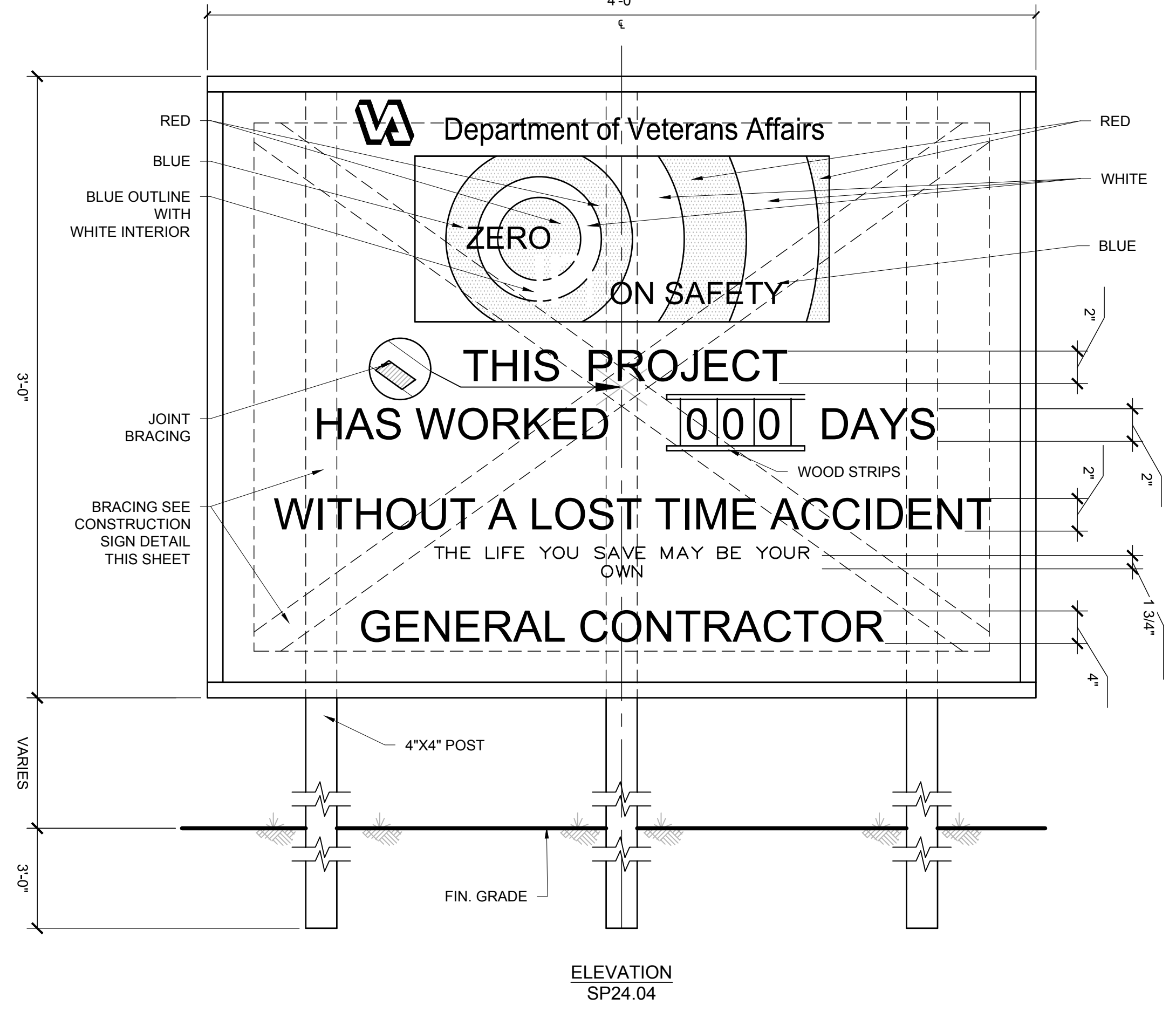
3 BENCH (OWNER PROVIDED; CONTRACTOR INSTALLED)
SCALE: N.T.S. (30" x 42" PAPER SIZE)



2 BIKE RACK (OWNER PROVIDED; CONTRACTOR INSTALLED)
SCALE: N.T.S. (30" x 42" PAPER SIZE)




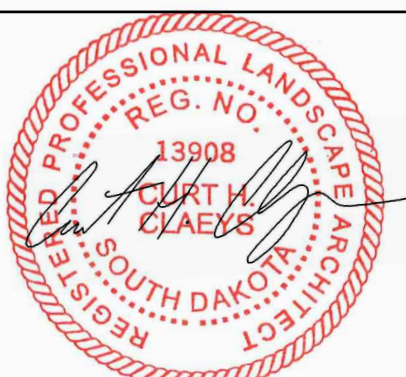
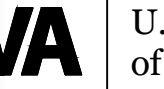


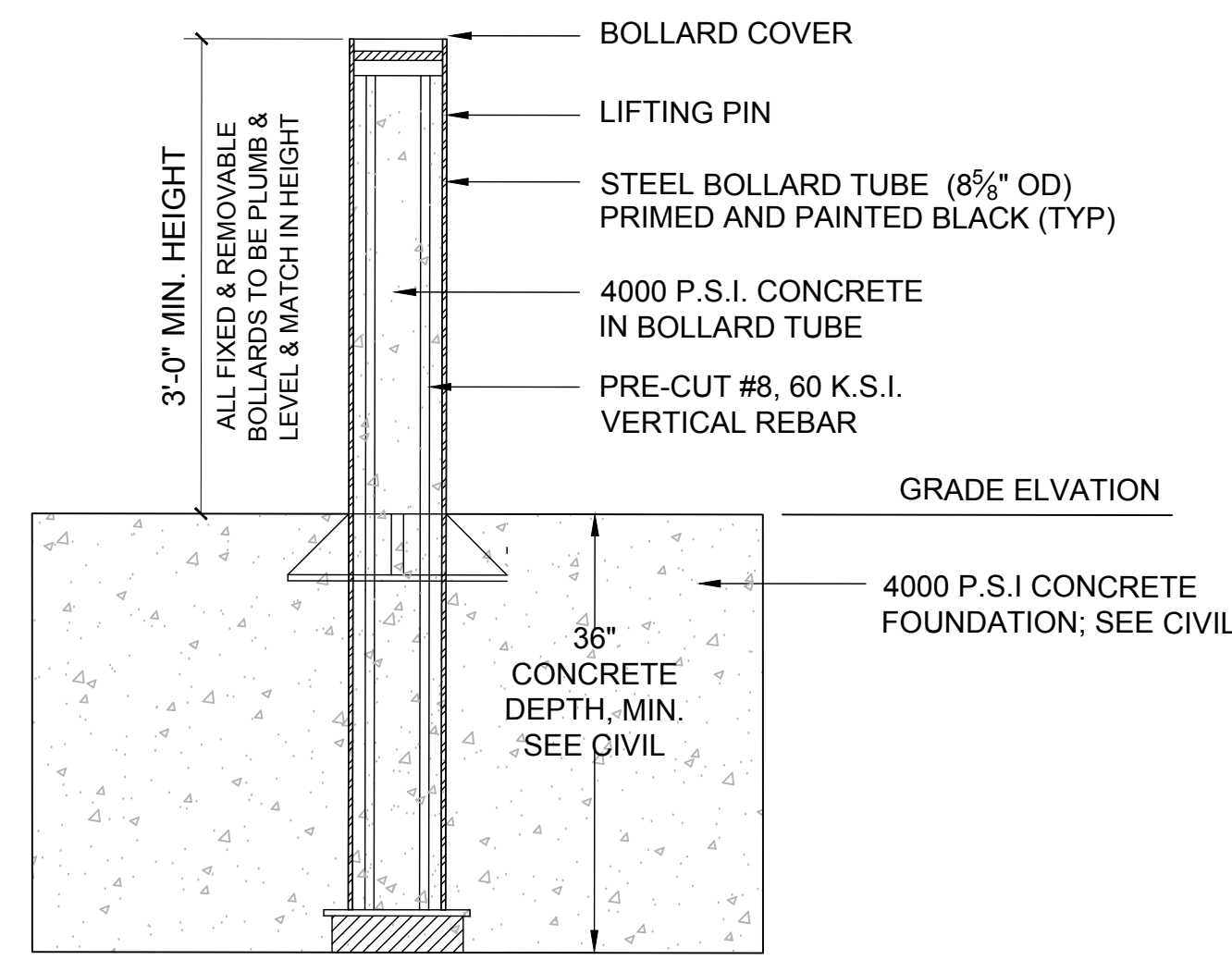
4 PROJECT CONSTRUCTION SIGN
SCALE: N.T.S. (30" x 42" PAPER SIZE)



5 SAFETY CONSTRUCTION SIGN
SCALE: N.T.S. (30" x 42" PAPER SIZE)

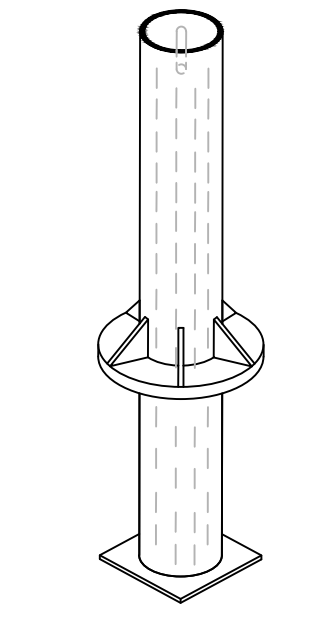
File Path: Y:\050010504-va-sioux-falls-construct-new-sps-cps_07_civil_01_cad_files_01_electrical\0504-va-sioux-falls-construct-new-sps.dwg | edited: 07/16/2024 9:55 AM | saved: 07/16/2024 9:48 PM | plot: 07/16/2024 9:55 AM

Revisions: 1 Date:	CONSULTANTS  	ARCHITECT/ENGINEER OF RECORD  13605 1st Ave. N. #100 Plymouth, MN 55441 P 763.412.4000 F 763.412.4090 ae-mn.com Anderson Engineering of Minnesota, LLC Proj# 16584	STAMP 	Office of Construction and Facilities Management  U.S. Department of Veterans Affairs	Drawing Title SITE FURNISHINGS DETAILS	Phase BID DOCUMENTS	Project Title CONSTRUCT NEW SPS	Project Number 438-460
					Approved: Project Director SIoux FALLS VA HEALTH CARE SYSTEM	FULLY SPRINKLERED	Location SIoux FALLS, SOUTH DAKOTA	Building Number 5
					Issue Date 02/14/2025	Checked CC	Drawn JF	Drawing Number LF501

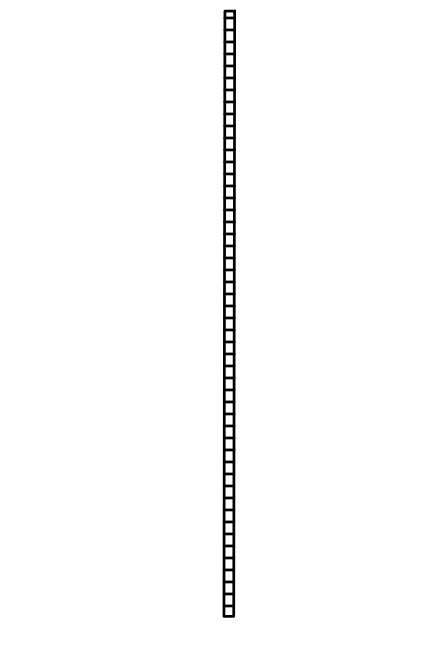


FIXED BOLLARD BASIS FOR DESIGN
 MODEL SPB-400 (SET & POUR)
 RATED ASTM M30(K4)
 BY IDEAL SHIELD

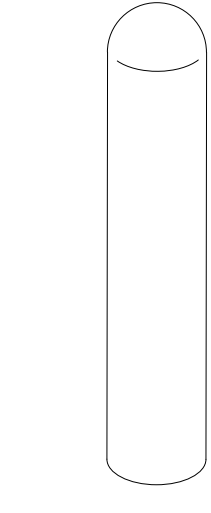
NOTE:
 STANDARD FIXED BOLLARDS & REMOVABLE BOLLARDS TO BE RATED ASTM M30(K4) PER VA PHYSICAL SECURITY AND RESILIENCY DESIGN MANUAL REQUIREMENTS



BOLLARD TUBE
 (QTY 1) EACH BOLLARD

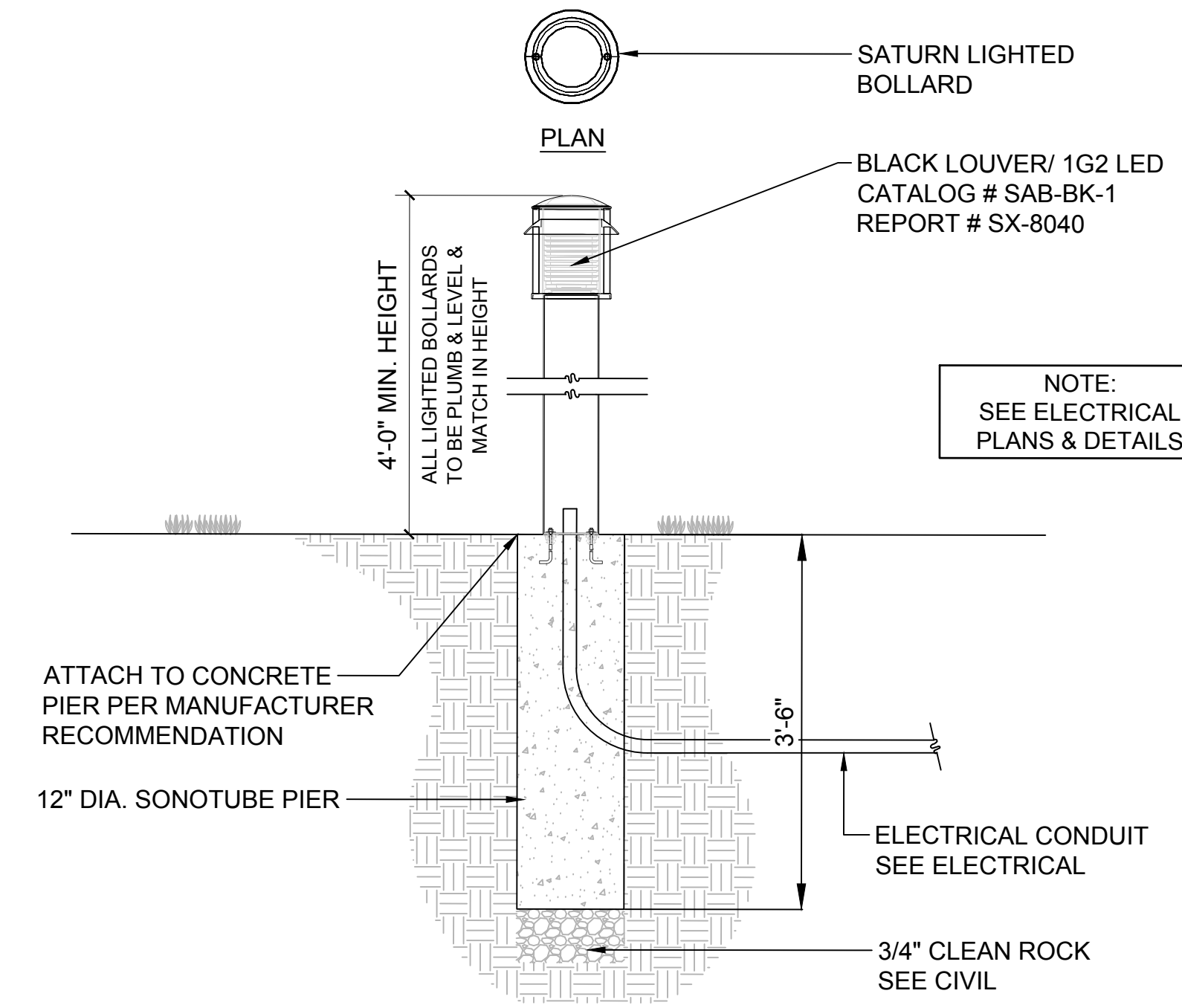


PRE-CUT VERTICAL REBAR
 (INSIDE BOLLARD)
 (QTY 6) EACH BOLLARD



BOLLARD COVER
 (QTY 1) EACH BOLLARD

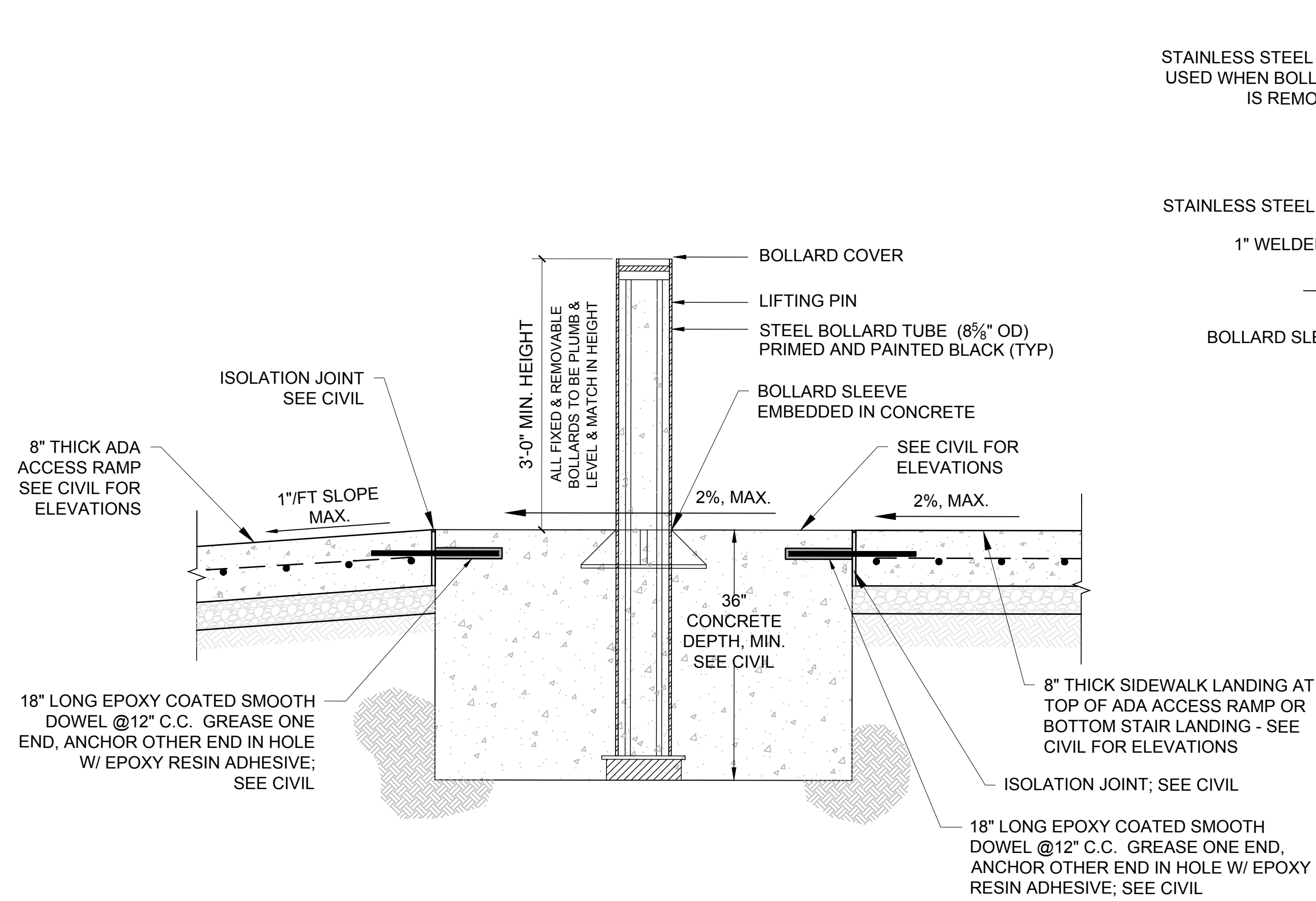
FIXED BOLLARD PREFABRICATED MATERIALS



LIGHTED BOLLARD BASIS FOR DESIGN
 MODEL SATURN BOLLARD - SAB SERIES
 BY SELUX CORP.

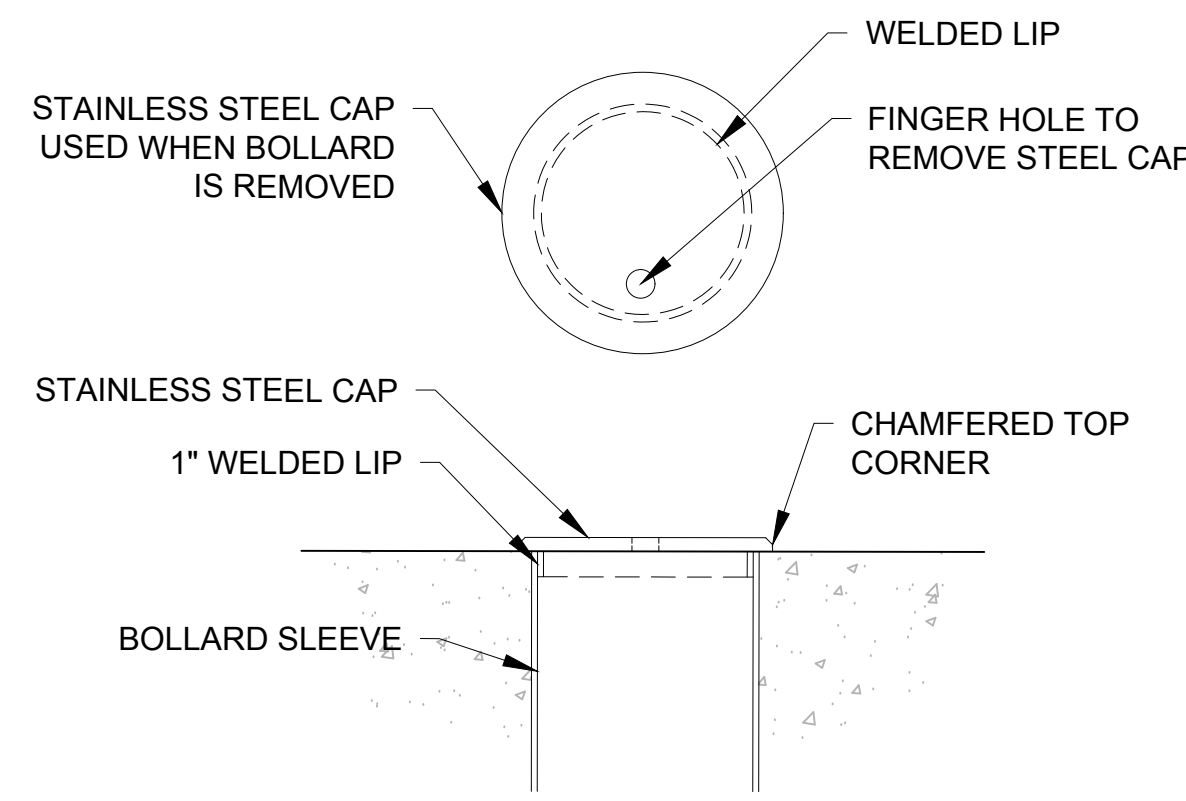
1 FIXED BOLLARDS - RATED M30(K4)
 SCALE: N.T.S. (30" x 42" PAPER SIZE)

2 LIGHTED BOLLARDS
 SCALE: N.T.S. (30" x 42" PAPER SIZE)

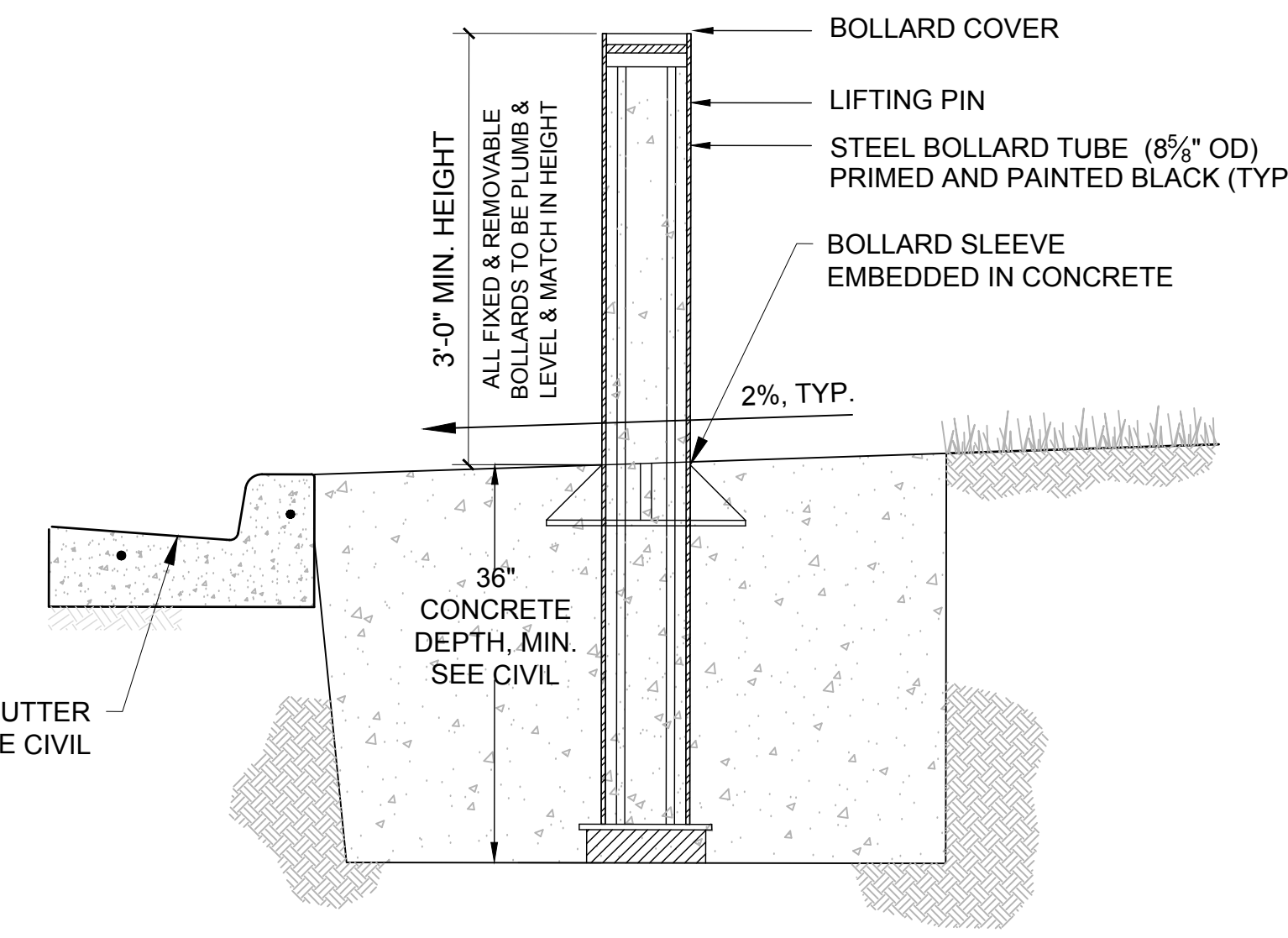


REMOVABLE BOLLARD
 (AT TOP OF ADA ACCESS RAMP & BOTTOM STAIR LANDING)
 BASIS FOR DESIGN MODEL SPB-400
 RATED ASTM M30(K4)
 BY IDEAL SHIELD

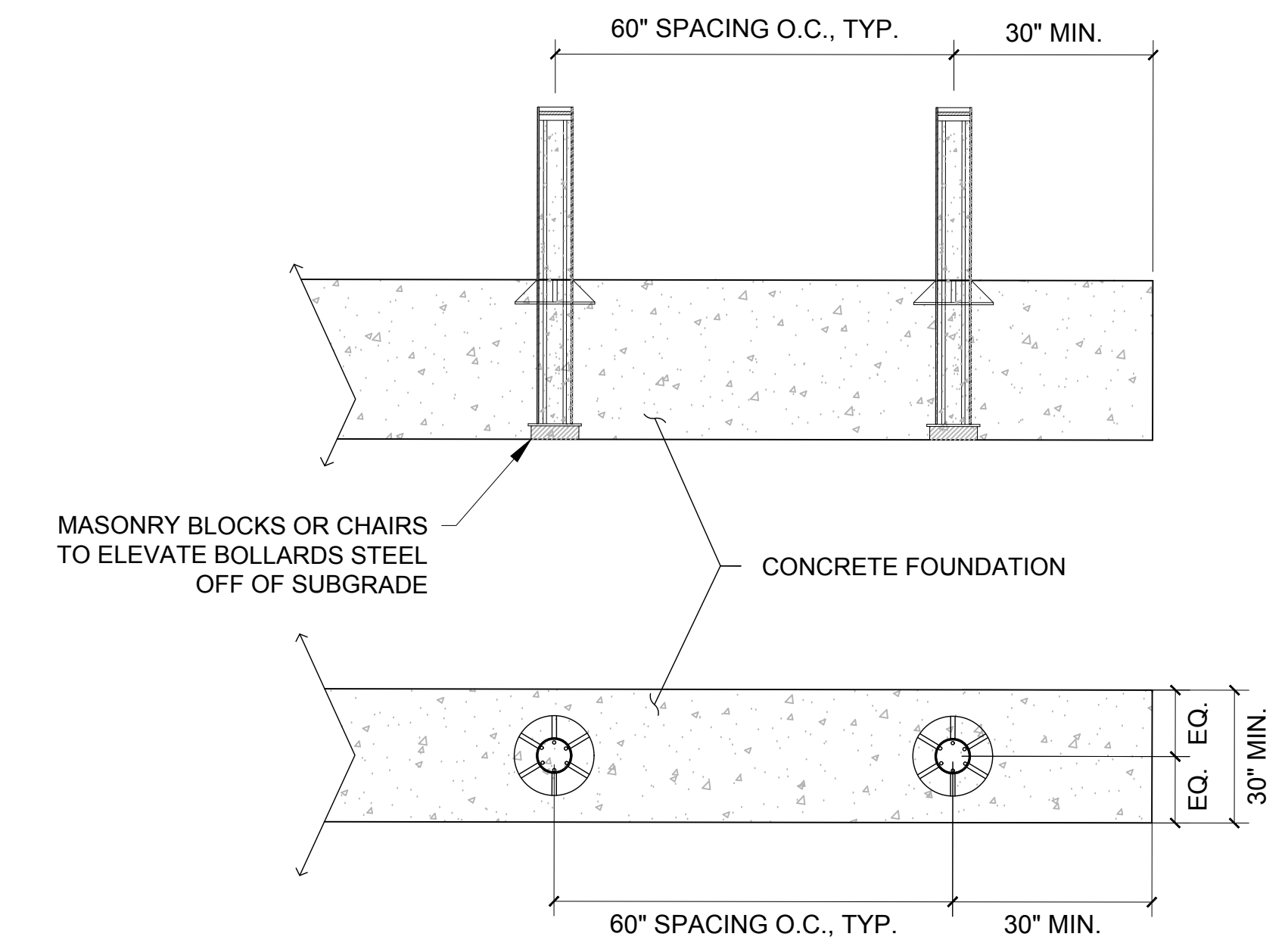
NOTE:
 STANDARD FIXED BOLLARDS & REMOVABLE BOLLARDS TO BE RATED ASTM M30(K4) PER VA PHYSICAL SECURITY AND RESILIENCY DESIGN MANUAL REQUIREMENTS



REMOVABLE BOLLARD CAP
 BASIS FOR DESIGN MODEL SPB-400
 RATED ASTM M30(K4)
 BY IDEAL SHIELD



REMOVABLE BOLLARD
 (BEHIND CURB AND GUTTER)
 BASIS FOR DESIGN MODEL SPB-400
 RATED ASTM M30(K4)
 BY IDEAL SHIELD



FIXED AND REMOVABLE BOLLARD ARRAY

3 REMOVABLE BOLLARDS - RATED M30(K4)
 SCALE: N.T.S. (30" x 42" PAPER SIZE)

4 FIXED & REMOVABLE BOLLARDS SPACING
 SCALE: N.T.S. (30" x 42" PAPER SIZE)

File Path: Y:\1050010504.va.slovak.falls.construct.new.sps.cps1_07.cad files_01.dwg | saved: 7/19/2024 3:48 PM | pld: 7/19/2024 9:55 AM
 User: brenham | edit: brenham | saved: 7/19/2024 3:48 PM | pld: 7/19/2024 9:55 AM
 File Path: Y:\1050010504.va.slovak.falls.construct.new.sps.cps1_07.cad files_01.dwg | saved: 7/19/2024 3:48 PM | pld: 7/19/2024 9:55 AM
 User: brenham | edit: brenham | saved: 7/19/2024 3:48 PM | pld: 7/19/2024 9:55 AM

Revisions:	Date:

CONSULTANTS

ARCHITECT/ENGINEER OF RECORD

ANDERSON

13605 1st Ave. N. #100 Plymouth, MN 55441
 P 763.412.4000 | F 763.412.4090 | e-mail: anderson@andersonmn.com
 Anderson Engineering of Minnesota, LLC | Proj # 16584

STAMP

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: **SITE FURNISHINGS DETAILS**

Approved: Project Director

SIoux FALLS VA HEALTH CARE SYSTEM

Phase: **BID DOCUMENTS**

FULLY SPRINKLERED

Project Title: **CONSTRUCT NEW SPS**

Location: **SIoux FALLS, SOUTH DAKOTA**

Issue Date: 02/14/2025 | Checked: CC | Drawn: JF

Project Number: **438-460**

Building Number: **5**

Drawing Number: **LF502**