	CITY OF DE PERE APPLICATION FOR SITE PLAN REVIEW		Fee: \$ 350.00 Receipt #: 184529 Date: 7-25-23

Read all instructions provided before completing. If additional space is needed, attach additional pages. Type or use black ink.

SECTION 1: Applicant / Permittee Information			
Applicant Name (Ind., Org. or Entity) ROBERT E LEE AND ASSOCIATES		Authorized Representative MICHAEL LEIDIG	
Title EIT			
Mailing Address 1250 CENTENNIAL CENTRE BLVD	City HOBART	State WI	ZIP Code 54155
Email Address MLEIDIG@RELEEINC.COM	Phone Number (incl. area code) (920) 662-9641	Fax Number (incl. area code)	
SECTION 2: Landowner Information (complete these fields when project site owner is different than applicant)			
Name (Ind. Org. or Entity) JAMBER INVESTMENTS		Contact Person JOSHUA LIESCH	
Title OWNER			
Mailing Address PO BOX 6131	City DE PERE	State WI	ZIP Code 54307
Email Address JAMBERPROPERTIES@GMAIL.COM	Phone Number (incl. area code) (920) 713-6373	Fax Number (incl. area code)	
SECTION 3: Project or Site Location			
Project Address/Description			Parcel No.
SECTION 4: Project Information			
Existing Zoning:	MX3		
Present Use of Parcel:	RESIDENTIAL HOMES		
Proposed Use of Parcel:	COMMERCIAL BANK		
Estimated Start Date:	9-1-2023	Estimated Completion Date:	9-1-2024
Please submit 1 hard copy 24x36, 1 hard copy 11x17 and 1 PDF copy of the submittal.			
SECTION 5: Certification and Permission			
Certification: I hereby certify that I am the owner or authorized representative of the owner of the property which is the subject of this Permit Application. I certify that the information contained in this form and attachments is true and accurate. I certify that the project will be in compliance with all permit conditions. I understand that failure to comply with any or all of the provisions of the permit may result in permit revocation and a fine and/or forfeiture under the provisions of applicable laws.			
Permission: I hereby give the City permission to enter and inspect the property at reasonable times, to evaluate this notice and application, and to determine compliance with any resulting permit coverage.			
Name of Owner/Authorized Representative (please print) MICHAEL LEIDIG		Title EIT	Phone Number (920) 662-9641
Signature of Applicant <i>Michael Leidig</i>		Date Signed 6/28/2023	

TO BE COMPLETED BY CITY STAFF

CSM Review authorized by the De Pere Municipal Code, Chapter 46.

CITY OF DE PERE

335 South Broadway, De Pere, WI 54115 | www.de-pere.org



Jul 27, 2024

Michael Leidig, EIT
Robert E Lee and Associates
1250 Centennial Centre BL
Hobart, WI 54115

RE: Site Plan Review for the new North Shore Bank at 820 Main AV
(Parcels WD-534)

Dear Michael:

Thank you for the revised site plan for the new North Shore Bank at 820 Main AV. The City of De Pere staff reviewed the revised site plan on June 27, 2024, and recommended approval with the following conditions that must be addressed prior to obtaining occupancy permits:

- No manhole permitted in Oak Street. The City will allow a core-n-tee connection in lieu of manhole.
- Existing sanitary laterals for all four existing homes need to be abandoned at their corresponding sewer mains. This can be done with a cap at the wye or an internal spot liner.
- Existing water laterals for all four existing homes need to be abandoned at the corresponding water mains. For PVC water mains this is accomplished with a solid sleeve. For metal water mains, this is accomplished by turning the corporation to the off position.
- New sanitary lateral shall be televised and pressure tested prior to connection to sanitary main.
- Verify water meter size. If greater than 1" advance notice will be required as the meter may need to be special ordered.
- Record drawings will be required for the bio pond after construction is completed as well as a engineer's certificate of final construction's compliance to the plans.
- A walkthrough with City of De Pere engineering will be required prior to occupancy for the stormwater treatment facility.
- Tie apron end walls back onto host pipe. (Delete endwall rip rap detail on sheet No. 5.)
- Enter into storm water maintenance agreement for the Bio Pond.
- After exterior lighting is installed, provide a statement from the installer that the light spill from the property does not exceed the approved photometric plan.
- After the exterior lighting is installed, provide a statement from the installer that the light spill from the property does not exceed the approved photometric plan.
- DPMC Chapter 42 Soil Erosion Control – The site disturbance is more than one acre. WDNR/NOI permit is required prior to issuance of a soil erosion control permit. Soil erosion control shall be implemented 24 hours after site disturbance. All soil erosion control shall be maintained, inspected, accurate records maintained on a weekly basis and properly repaired and inspected after a precipitation event.
- A Sign review and permit(s) shall be obtained for any signs that require a permit prior to installation.

- A raze permit is required prior to the removal of all the structures. The existing water services and sanitary sewers shall be abandoned at the water main.

You may now proceed to the Inspection Division to begin the process of obtaining permits. Should you have any questions regarding the decision or require further information, feel free to contact me at 339-4043 or pschleinz@deperewi.gov.

Sincerely,

A handwritten signature in black ink that reads "Peter Schleinz". The signature is fluid and cursive, with a long horizontal stroke extending to the right.

Peter Schleinz
Senior Planner | Zoning Administrator

cc: Daniel J. Lindstrom, AICP, Development Services Director
Dennis Jensen, Senior Building Inspector



Soil Loss & Sediment Discharge Calculation Tool

for use on Construction Sites in the State of Wisconsin

WDNR Version 2.0 (06-29-2017)



YEAR 1

Developer:

North Shore Bank

Project:

North Shore Bank - De Pere

Date:

08/17/23

County:

Brown

Version 1.0

Activity (1)	Begin Date (2)	End Date (3)	Period % R (4)	Annual R Factor (5)	Sub Soil Texture (6)	Soil Erodibility K Factor (7)	Slope (%) (8)	Slope Length (ft) (9)	LS Factor (10)	Land Cover C Factor (11)	Soil loss A (tons/acre) (12)	SDF (13)	Sediment Control Practice (14)	Sediment Discharge (t/ac) (15)
Bare Ground	10/01/23	04/01/24	13.1%	100	Silt Loam	0.43	3.1%	144	0.35	1.00	2.0	1.037	Sediment Basin	0.4
Seed with Mulch or Er	04/01/24	06/01/24	16.4%	100	Silt Loam	0.43	3.1%	144	0.35	0.10	0.3	1.037	Sediment Basin	0.1
End	06/01/24	----	----	----	-----	----			----	-----	----	0.000		0.0
		----	----	----	-----	----			----	-----	----	0.000		0.0
		----	----	----	-----	----		0	----	-----	----	0.000		0.0
		----	----	----	-----	----		0	----	-----	----	0.000		0.0
TOTAL											2.3		TOTAL	0.5
													% Reduction Required	NONE

Notes:

See Help Page for further descriptions of variables and items in drop-down boxes.

The last land disturbing activity on each sheet must be 'End'. This is either 12 months from the start of construction or final stabilization.

For periods of construction that exceed 12 months, please demonstrate that 5 tons/acre/year is not exceeded in any given 12 month period.

NOTE: THIS TOOL ONLY ADDRESSED SOIL EROSION DUE TO SHEET FLOW. MEASURES TO CONTROL CHANNEL EROSION MAY ALSO BE REQUIRED TO MEET SEDIMENT DISCHARGE REQUIREMENTS.

Recommended Permanent Seeding Dates:

4/15-6/1 and 8/1-8/21 Turf, introduced grasses and legumes
Thaw-6/30 Native Grasses, forbs, and legumes

Designed By:	MRL
Date	8/17/2023

File: P:\4901\4901.dwg
C:\Users\jlee\OneDrive\Documents\4901.dwg
Aug 17, 2023 7:42am

NO.	DATE	APPROV.	REVISION	NO.	DATE	APPROV.	REVISION	DRAWN MRL
								CHECKED AJB
								DESIGNED MRL

SITE DEVELOPMENT FOR
NORTH SHORE BANK
CITY OF DE PERE
BROWN COUNTY, WISCONSIN

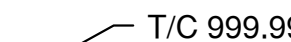

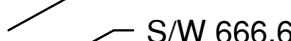
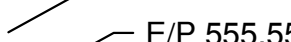

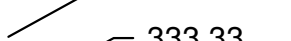

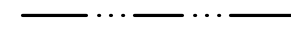
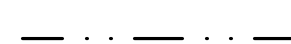


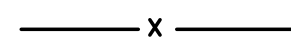

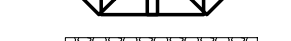
SOIL LOSS PATH

DATE 06/2023
FILE 4959012D - SOIL LOSS
JOB NO. 4959012

**Robert E. Lee**
& Associates, Inc.

1250 Centennial Centre Blvd | Hobart, WI | 920-662-9641 | releinc.com

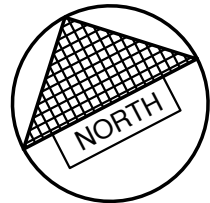
LEGEND

-  T/C 999.99
-  F/L 888.88
-  S/W 666.66
-  E/P 555.55
-  R/W 444.44
-  333.33
-  DRAINAGE SWALE
-  DRAINAGE DIVIDE
-  FLOW ARROW
-  SILT FENCE (PER WDNR TECHNICAL STANDARD 1056)
-  DITCH CHECK (PER WDNR TECHNICAL STANDARD 1062)
-  TRACKING PAD (PER WDNR TECHNICAL STANDARD 1057)
-  EROSION MAT (PER WDNR TECHNICAL STANDARD 1053)
-  INLET PROTECTION (PER WDNR TECHNICAL STANDARD 1060)

EROSION CONTROL

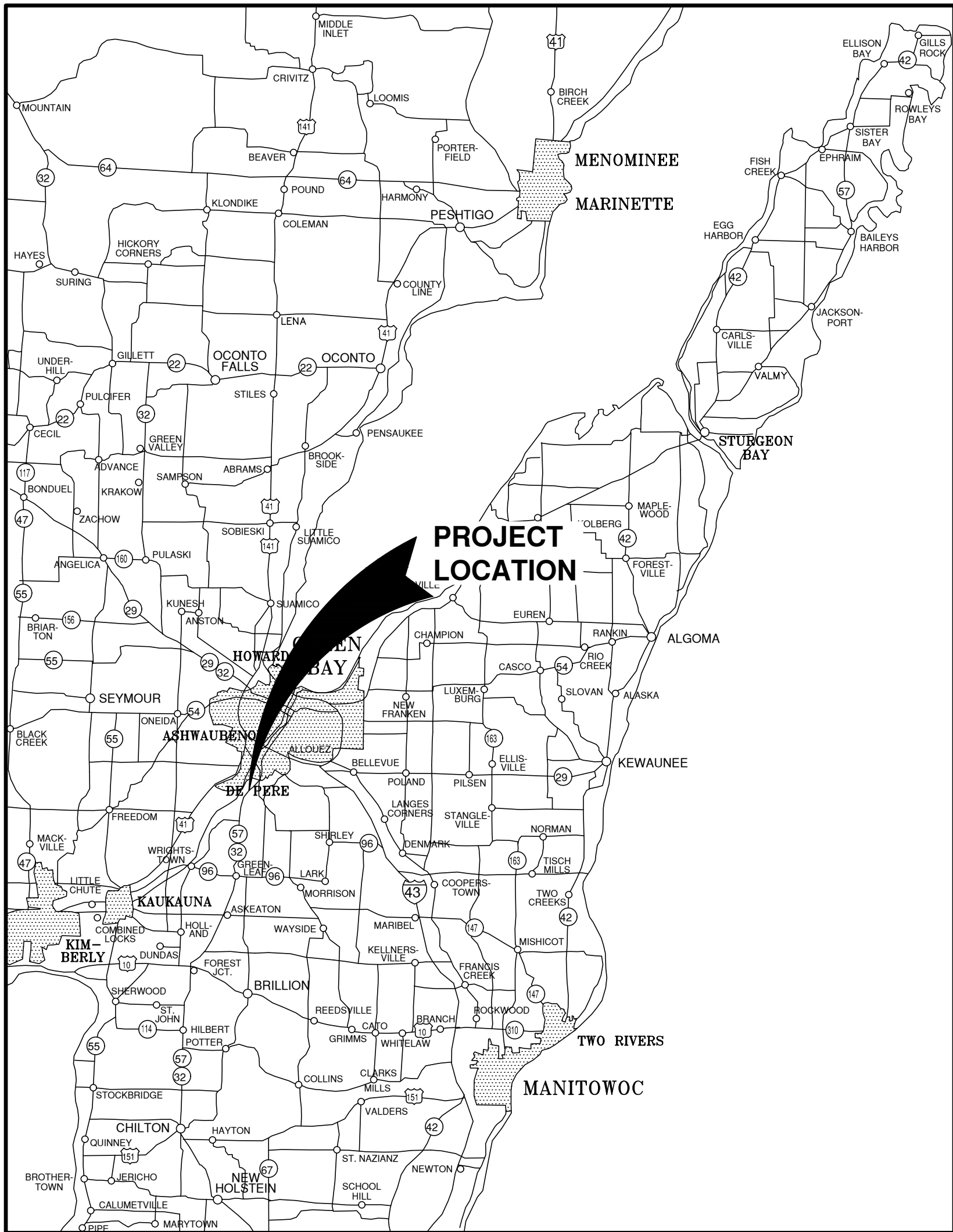
ALL EROSION CONTROL PRACTICES INDICATED ON THIS PLAN ARE APPROXIMATE LOCATIONS ONLY. THE ACTUAL SITE MAY REQUIRE MORE OR LESS EROSION CONTROL DEPENDING ON THE CURRENT CONDITION OF THE SITE.

- SILT FENCE IS REQUIRED DOWNSLOPE OF ANY DISTURBED LAND THAT MAY CARRY SEDIMENTS OFF SITE.
- A TRACKING PAD IS REQUIRED AT ANY INGRESS/EGRESS LOCATION, WHERE SEDIMENT MAY BE TRACKED OFF-SITE.
- PROPER INLET PROTECTION SHALL BE USED DEPENDING ON THE INLET TYPE.
- ALL NECESSARY SITE DEWATERING SHALL BE PERFORMED IN ACCORDANCE WITH WDNR TECHNICAL STANDARD 1061.



820 MAIN AVE SITE DEVELOPMENT FOR
NORTH SHORE BANK
CITY OF DE PERE
BROWN COUNTY, WISCONSIN

ATTENTION!
DOWNLOADED PLANS ARE NOT SCALEABLE, NEITHER THE
OWNER OR THE ENGINEER SHALL BE HELD RESPONSIBLE
FOR THE SCALE OR PRINT QUALITY OF DOWNLOADED PLANS.
ONLY PRINTED PLANS FROM BLUE PRINT SERVICE CO., INC.
SHALL BE CONSIDERED TO BE SCALEABLE PLANS.



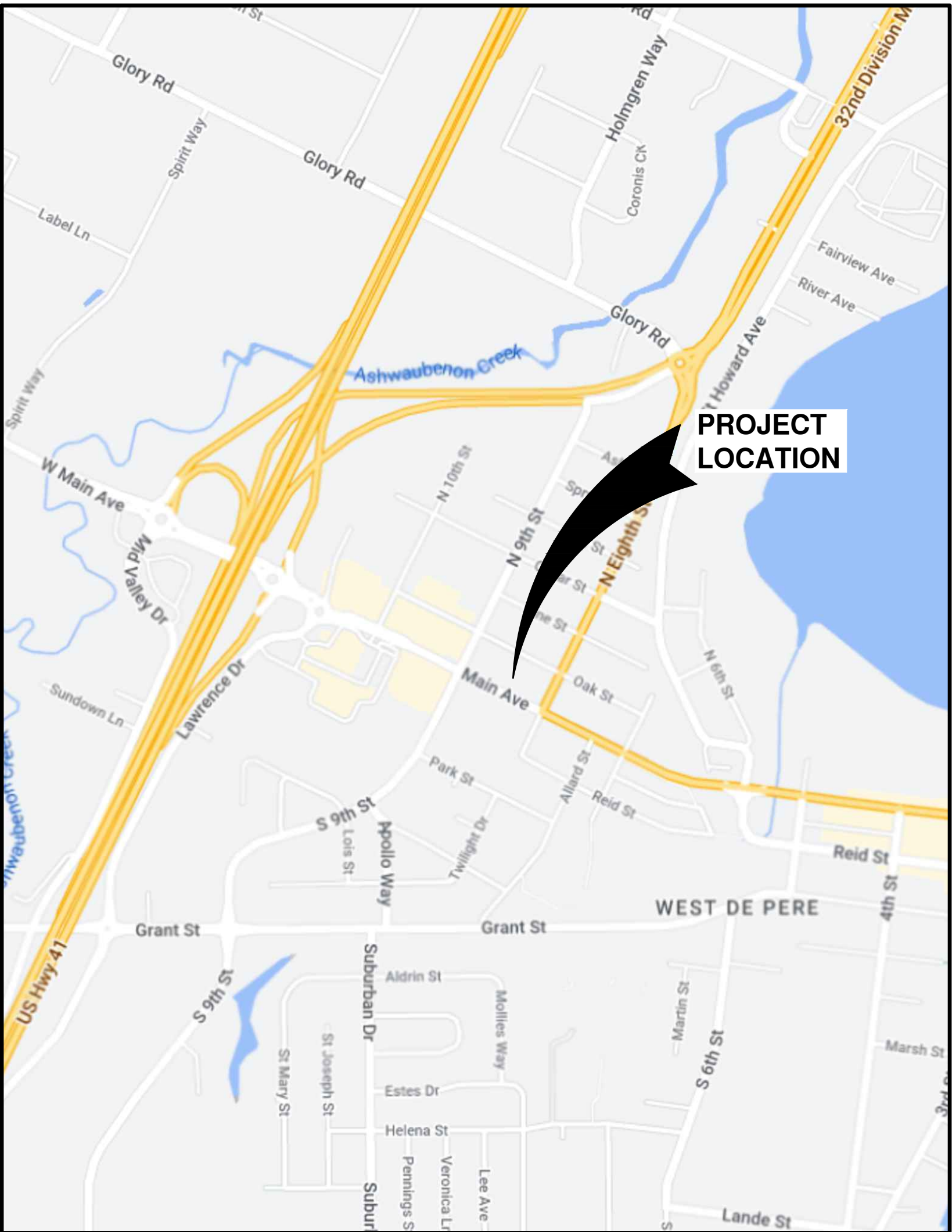
VICINITY MAP

NOTE:
EXISTING UTILITIES SHOWN ON PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING EXACT LOCATIONS AND ELEVATIONS OF ALL UTILITIES, WHETHER SHOWN OR NOT, FROM THE OWNERS OF THE RESPECTIVE UTILITIES. ALL UTILITY OWNERS SHALL BE NOTIFIED FOR LOCATES BY THE CONTRACTOR 72 HOURS PRIOR TO EXCAVATION.


NOTE:
ALL EROSION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO CONSTRUCTION AND SHALL CONFORM TO THE WISCONSIN DEPARTMENT OF NATURAL RESOURCES CONSTRUCTION SITE EROSION CONTROL AND TECHNICAL STANDARDS.

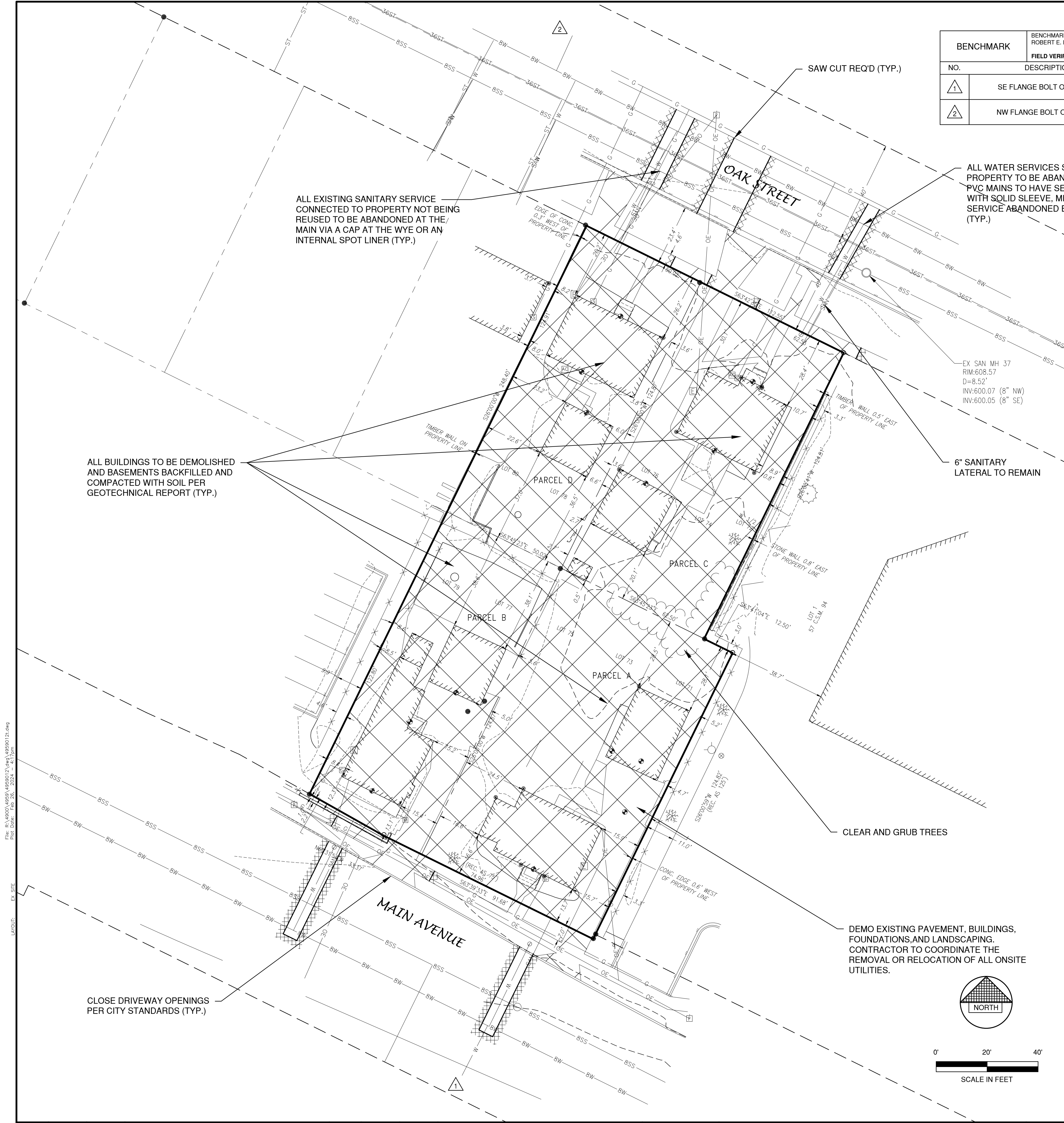
INDEX TO DRAWINGS

SHT. NO.	DESCRIPTION
C	LOCATION MAPS AND INDEX TO DRAWINGS
1	EXISTING SITE CONDITIONS AND DEMO PLAN
2	SITE PLAN
3	UTILITY PLAN
4	GRADING PLAN & EROSION CONTROL PLAN
5	MISCELLANEOUS DETAILS
6	MISCELLANEOUS DETAILS
7	MISCELLANEOUS DETAILS
8	EROSION CONTROL - INLET PROTECTION TYPES A, B, C AND D
9	EROSION CONTROL - INLET PROTECTION TYPE D-HR AND TYPE D-M
10	EROSION CONTROL - DITCH CHECK DETAILS
11	EROSION CONTROL - SHEET FLOW DETAILS
12	EROSION CONTROL - TRACKOUT CONTROL PRACTICES
13	EROSION CONTROL - EROSION MAT SLOPE APPLICATION DETAILS
14	EROSION CONTROL - EROSION MAT CHANNEL APPLICATION DETAILS



LOCATION MAP

NO.	DATE	APPROV.	REVISION	NO.	DATE	APPROV.	REVISION	DRAWN	820 MAIN AVE SITE DEVELOPMENT FOR NORTH SHORE BANK CITY OF DE PERE BROWN COUNTY, WISCONSIN	LOCATION MAP AND INDEX TO DRAWINGS	DATE 06/2023 FILE 4895012C JOB NO. 4895012	 Robert E. Lee & Associates, Inc. 1250 Centennial Centre Blvd Hobart, WI 920-662-9641 releinc.com	SHEET NO. C
1	02/23/2024	AJB	CONSTRUCTION PLAN SET					CHECKED					
2	05/21/2024	AJB	UPDATED BUILDING AND SITE					DESIGNED					
								MPL					



BENCHMARK		
BENCHMARK ESTABLISHED BY: ROBERT E. LEE & ASSOCIATES, INC. FIELD VERIFY BENCHMARKS FOR ACCURACY.		
NO.	DESCRIPTION	EL.
1	SE FLANGE BOLT ON HYDRANT	612.267
2	NW FLANGE BOLT ON HYDRANT	610.835

- FIRE HYDRANT
- WATER VALVE/CURB STOP
- WATER MANHOLE
- REDUCER/INCREASER
- SANITARY MANHOLE
- AIR RELIEF MANHOLE
- STORM MANHOLE
- OPEN STORM MANHOLE
- STORM INLET
- STORM INLET MANHOLE
- TANK COVER
- SOIL BORING
- POST
- IRON PIPE/ROD
- PK NAIL

LEGEND

- POWER POLE
- POWER POLE W/GUY WIRE
- LIGHT POLE
- TRAFFIC SIGNAL POLE
- ELECTRIC MANHOLE
- ELECTRIC METER
- TELEPHONE MANHOLE
- TELEPHONE PEDESTAL
- CABLE TV MANHOLE
- CABLE TV PEDESTAL
- GAS VALVE
- GAS METER
- MAILBOX
- SIGN
- BOLLARD
- DECIDUOUS TREE
- CONIFEROUS TREE
- BUSH
- RIP RAP
- CULVERT
- WETLANDS
- HANDICAP PARKING

- EDGE OF ASPHALT
- EDGE OF GRAVEL
- CURB & GUTTER
- TREE/BRUSH LINE
- CONTOUR LINE
- RETAINING WALL
- GUARD RAIL
- FENCE

- SANITARY SEWER (SIZE NOTED)
- FORCEMAIN (SIZE NOTED)
- STORM SEWER (SIZE NOTED)
- WATERMAIN (SIZE NOTED)
- GAS LINE
- OVERHEAD TELEPHONE LINE
- UNDERGROUND TELEPHONE LINE
- OVERHEAD ELECTRIC LINE
- UNDERGROUND ELECTRIC LINE
- OVERHEAD CABLE TV LINE
- CABLE TV LINE
- FIBER OPTIC LINE
- R/W LINE
- PROPERTY LINE
- EASEMENT LINE
- BUILDING SETBACK LINE
- SECTION LINE

GR. GRAVEL	WM. WATERMAIN	VPC. VERTICAL POINT OF CURVATURE	B-B. BACK TO BACK (OF CURB)
BIT. BITUMINOUS	HYD. HYDRANT	VPI. VERTICAL POINT OF INTERSECTION	F-F. FACE TO FACE (OF CURB)
ASPH. ASPHALT	WV. WATER VALVE	VPT. VERTICAL POINT OF TANGENCY	R/W. RIGHT OF WAY
CONC. CONCRETE	SAN. SANITARY SEWER	PC. POINT OF CURVATURE	T/C. TOP OF CURB
SW. SIDEWALK	MH. MANHOLE	PI. POINT OF INTERSECTION	F/L. FLOW LINE
BLDG. BUILDING	ST. STORM SEWER	PT. POINT OF TANGENCY	C/L. CENTERLINE
HSE. HOUSE	CB. CATCH BASIN	R. RADIUS	R/L. REFERENCE LINE
PED. PEDESTAL	TELE. TELEPHONE	EX. EXISTING	INV. INVERT
PP. POWER POLE	ELEC. ELECTRIC	PR. PROPOSED	CMP. CORRUGATED METAL PIPE
LP. LIGHT POLE	TV. TELEVISION	EOR. END OF RADIUS	RCP. REINFORCED CONCRETE PIPE
BM. BENCH MARK	STA. STATION	BOC. BACK OF CURB	CULV. CULVERT

UTILITY INFORMATION:

UTILITIES PRESENT:
CITY OF DE PERE DEPARTMENT OF PUBLIC WORKS, GREEN BAY METROPOLITAN SEWERAGE DISTRICT, WISCONSIN PUBLIC SERVICE CORP., AT&T, CENTURYLINK, EVERSTREAM

UTILITIES SHOWN ON THIS MAP ARE BASED ON LOCATES FROM:

DIGGER'S HOTLINE TICKET NUMBERS 2023181949, 2023181964, 20231802001, 20231802008, 20231802104, 20231802147, 1802132, 20231802211 AND DATED 05/11/23 AND RECORD UTILITY PLAN DOCUMENTS. UTILITY LINE LOCATIONS SHOULD BE VERIFIED PRIOR TO ANY DIGGING. THIS SITE MAY CONTAIN BURIED UTILITIES NOT IDENTIFIED ON THIS MAP.

DIGGERS HOTLINE = 1-800-242-8511

WATER/SANITARY/STORM SEWER:
DEPARTMENT OF PUBLIC WORKS
CITY OF DE PERE
925 SIXTH ST.
DE PERE, WI 54155

TELECOMMUNICATIONS:
EVERSTREAM
1228 EUCLID AVENUE
CLEVELAND, OH 44115

GAS & ELECTRIC:
WISCONSIN PUBLIC SERVICE CORP.
700 N. ADAMS ST.
GREEN BAY, WI 54307

(920) 339-8076

(844) 387-7876

(800) 797-7434

TELECOMMUNICATIONS:
AT & T / SBC
205 S. JEFFERSON ST.
GREEN BAY, WI 54301

TELECOMMUNICATIONS:
CENTURYLINK
P.O. BOX 260
WAUSAUKEE, WI 54177

(920) 433-4147

(715) 856-9738

OWNER INFORMATION:

NORTH SHORE BANK
15700 W BLUEMOND ROAD
BROOKFIELD, WI 53005

(262) 787-6816

CONTACT: DAVID KANE

NO.	DATE	APPROV.	REVISION	NO.	DATE	APPROV.	REVISION	DRAWN
1	02/23/2024	AJB	CONSTRUCTION PLAN SET					CHECKED
								AJB
								DESIGNED
								MPL

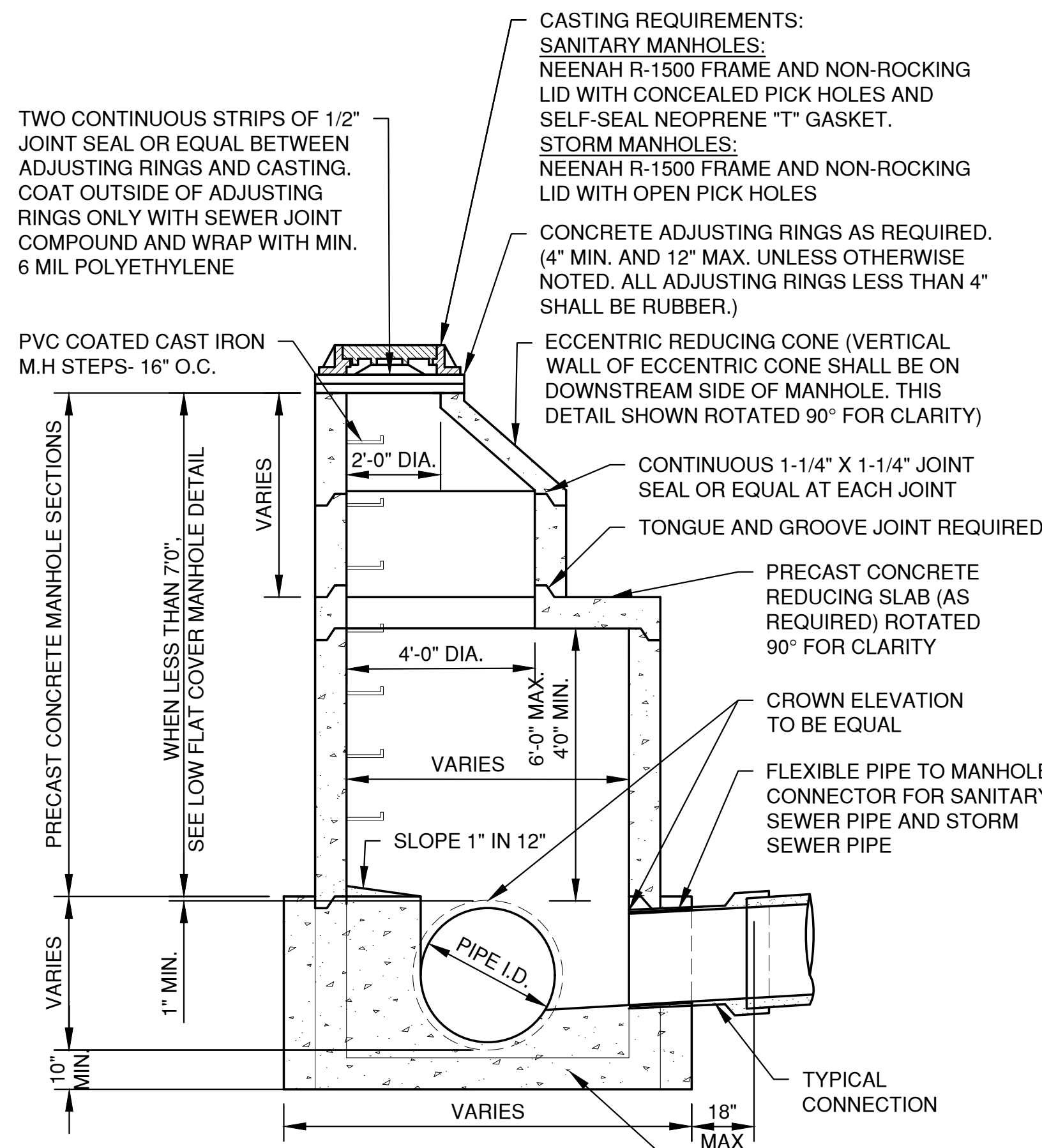
820 MAIN AVE SITE DEVELOPMENT FOR
NORTH SHORE BANK
CITY OF DE PERE
BROWN COUNTY, WISCONSIN

EXISTING CONDITIONS AND DEMO PLAN

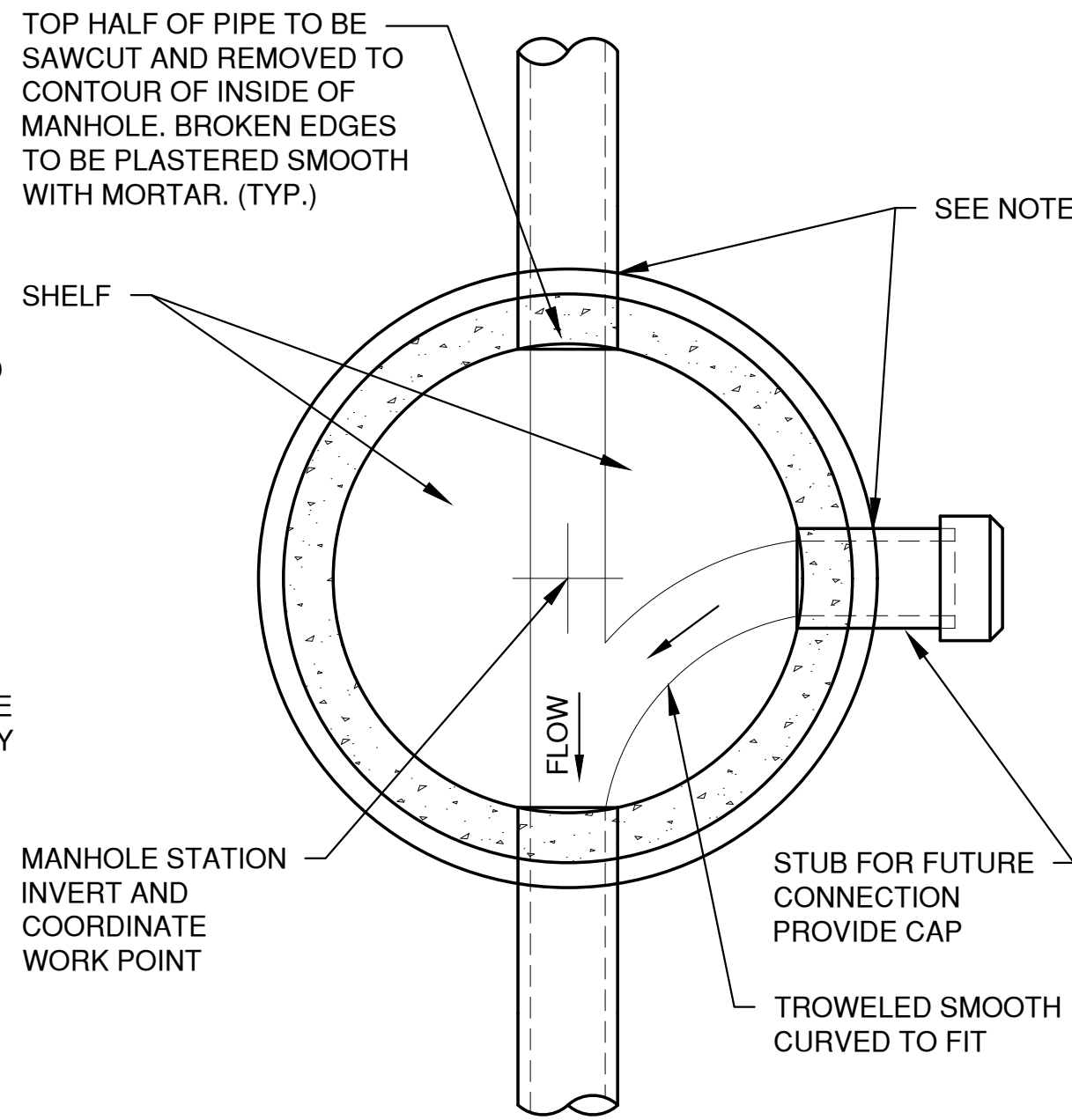
DATE	05/20/23
FILE	4959012T
JOB NO.	4959012

REL Robert E. Lee & Associates, Inc.
1250 Centennial Centre Blvd | Hobart, WI | 920-662-9641 | rel@einc.com

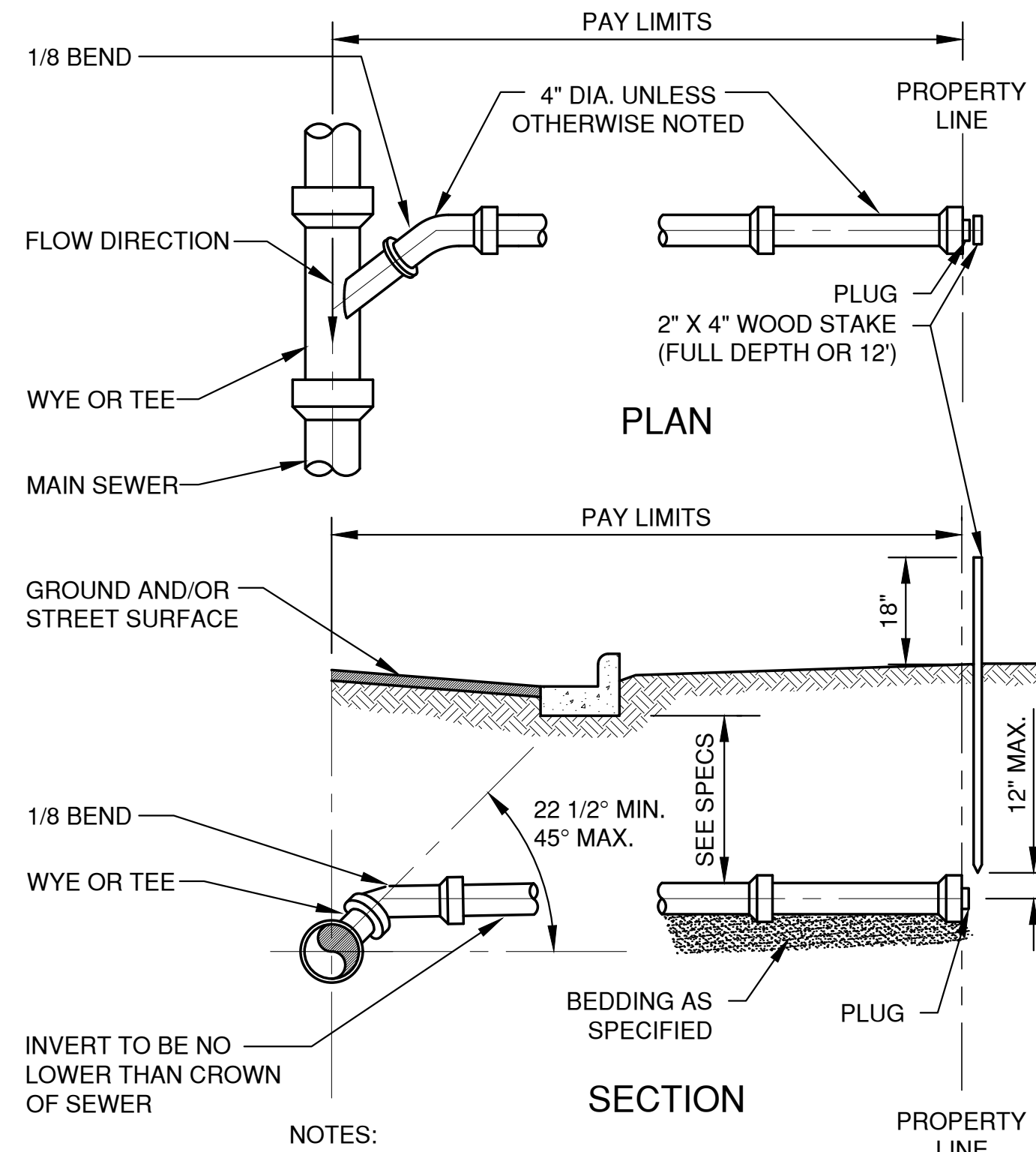
File: R-14001-4599-069023-04-1 (DETAILS.dwg)
Plot Date: Feb 28, 2024 11:34:00am
LAYOUT: DETAILS (1)



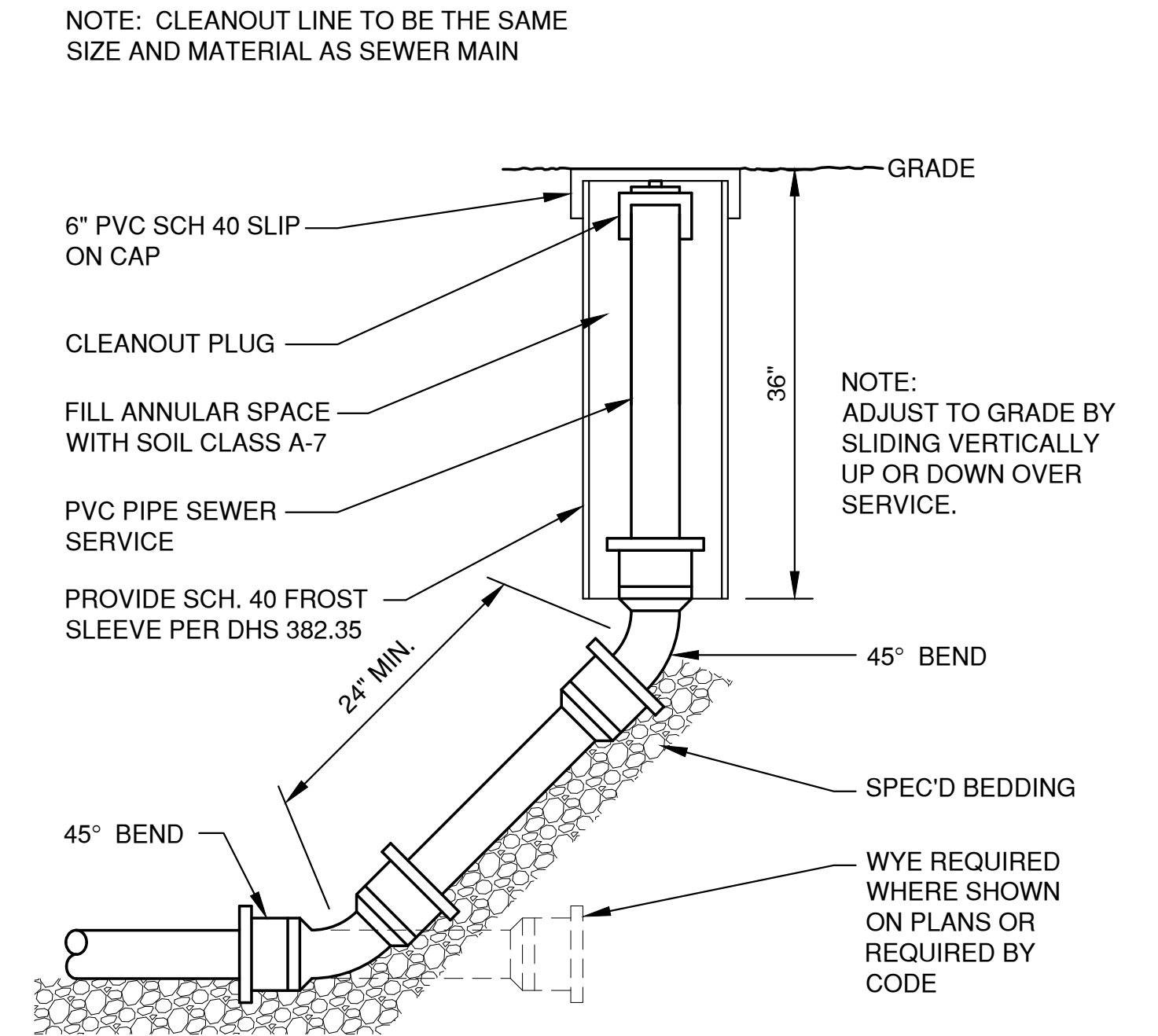
**SANITARY AND STORM
STANDARD MANHOLE
27" - 60" (INCLUSIVE)**



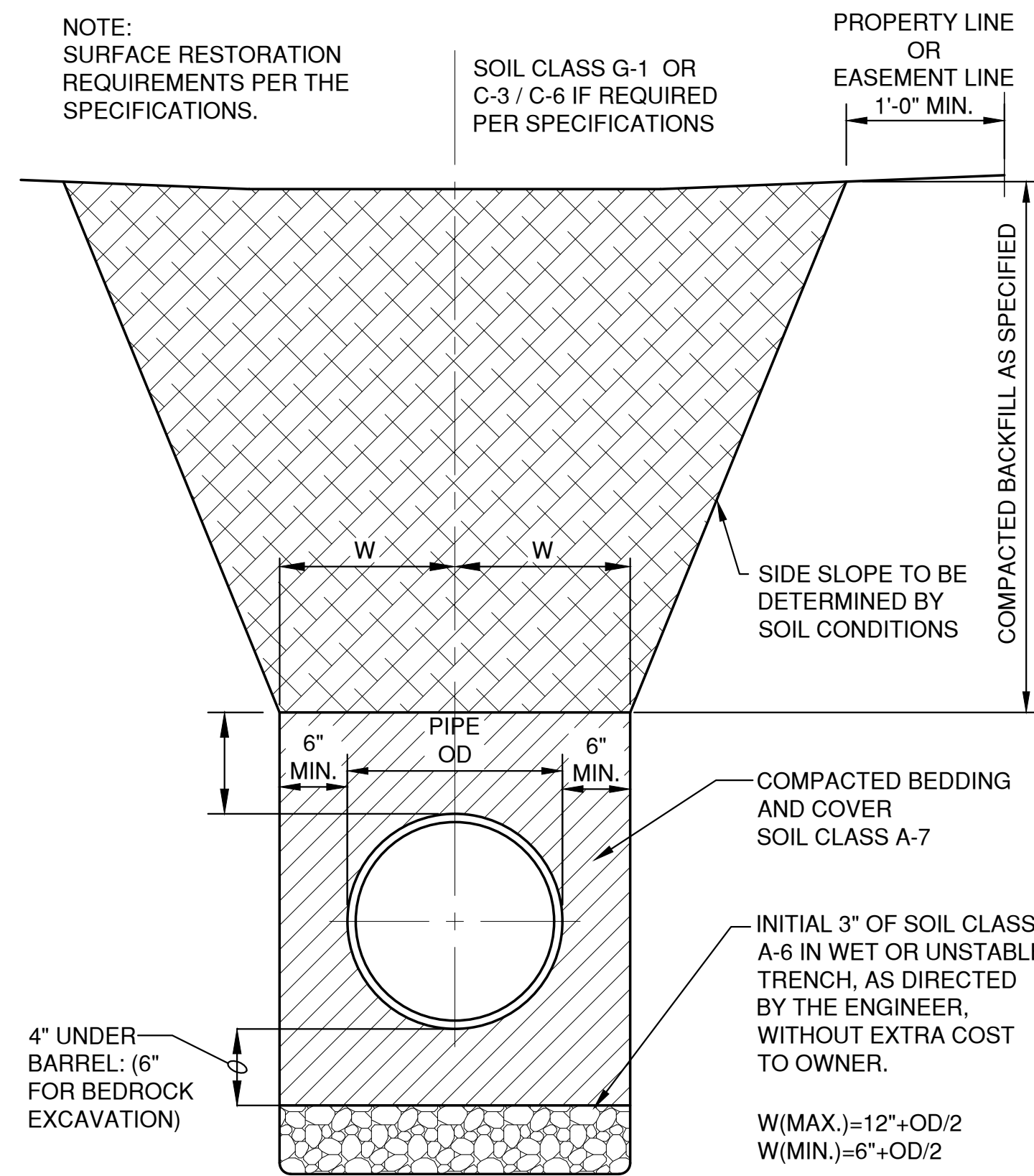
**MANHOLE BASE PLAN
8" - 60" (INCLUSIVE)**



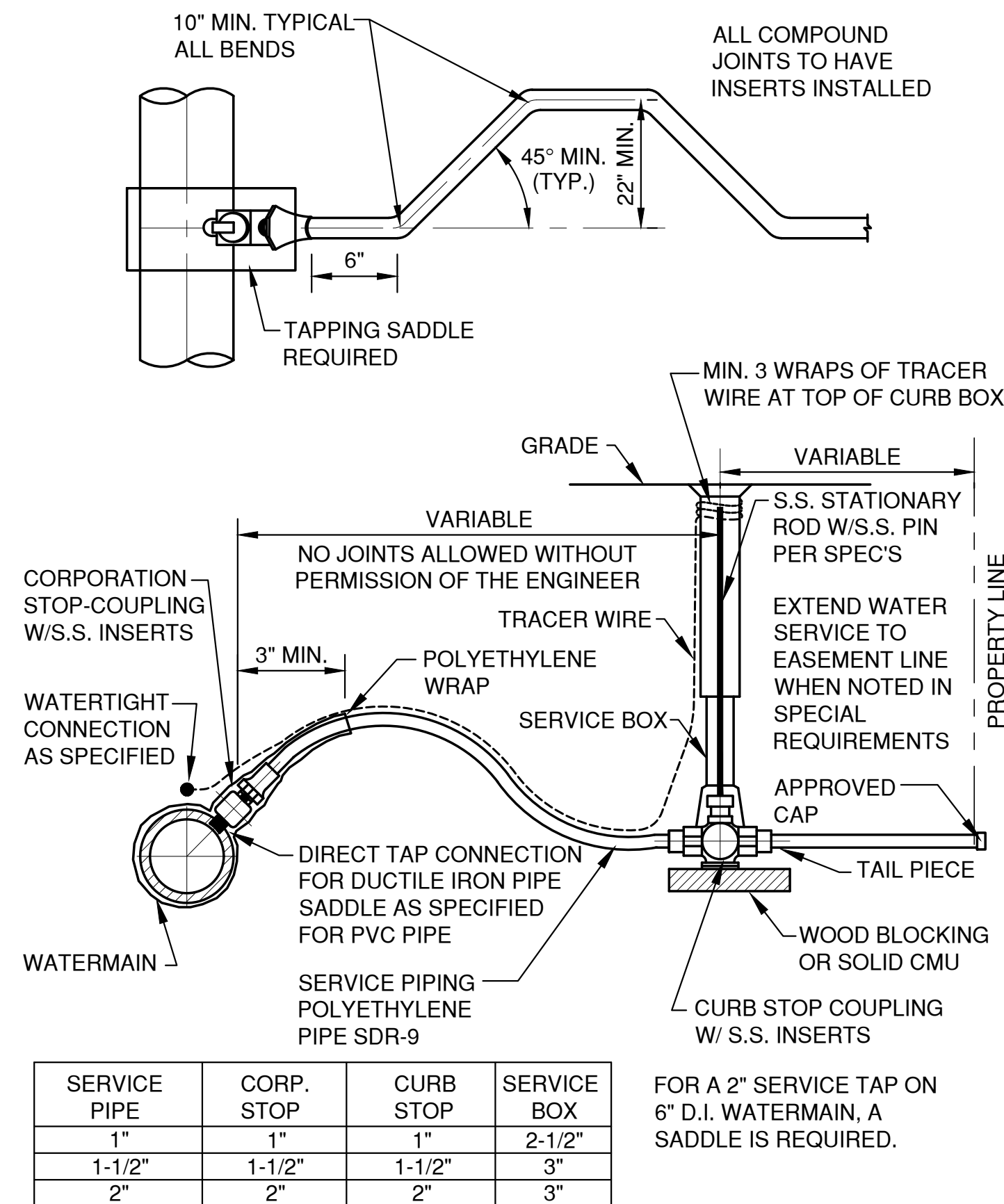
STANDARD SERVICE LATERAL



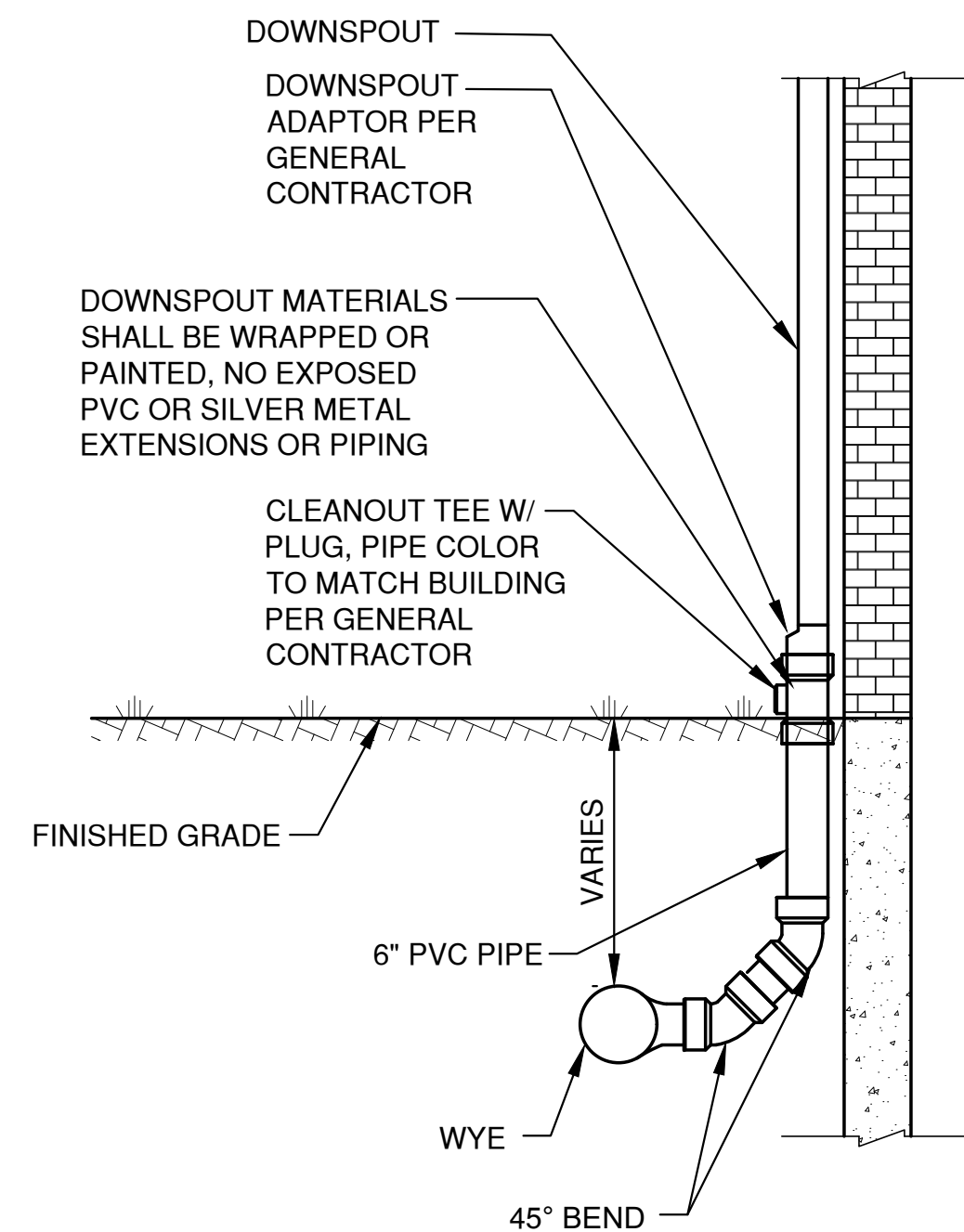
**CLEAN-OUT DETAIL
(NON-TRAVELED AREAS)**



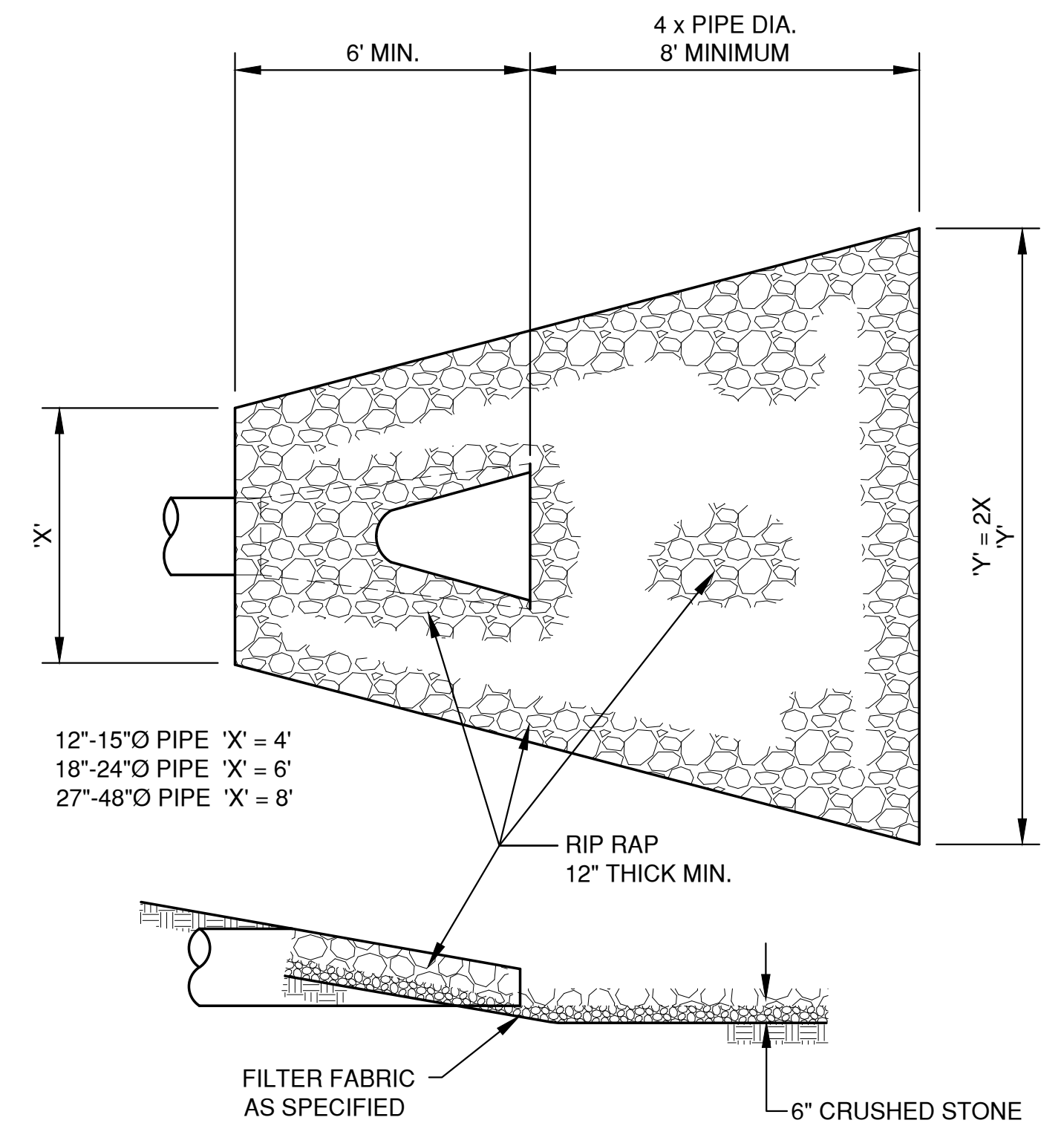
**HDPE /PVC SEWER, WATERMAIN AND FORCEMAIN
BEDDING AND TRENCH DETAIL**



**TAP SERVICE PIPING
(POLYETHYLENE)**



DOWN SPOUT COLLECTOR DETAIL



ENDWALL RIP RAP DETAIL

NO.	DATE	APPROV.	REVISION	NO.	DATE	APPROV.	REVISION	DRAWN
1	02/23/2024	AJB	CONSTRUCTION PLAN SET					CHECKED
								AJB
								DESIGNED
								MPL

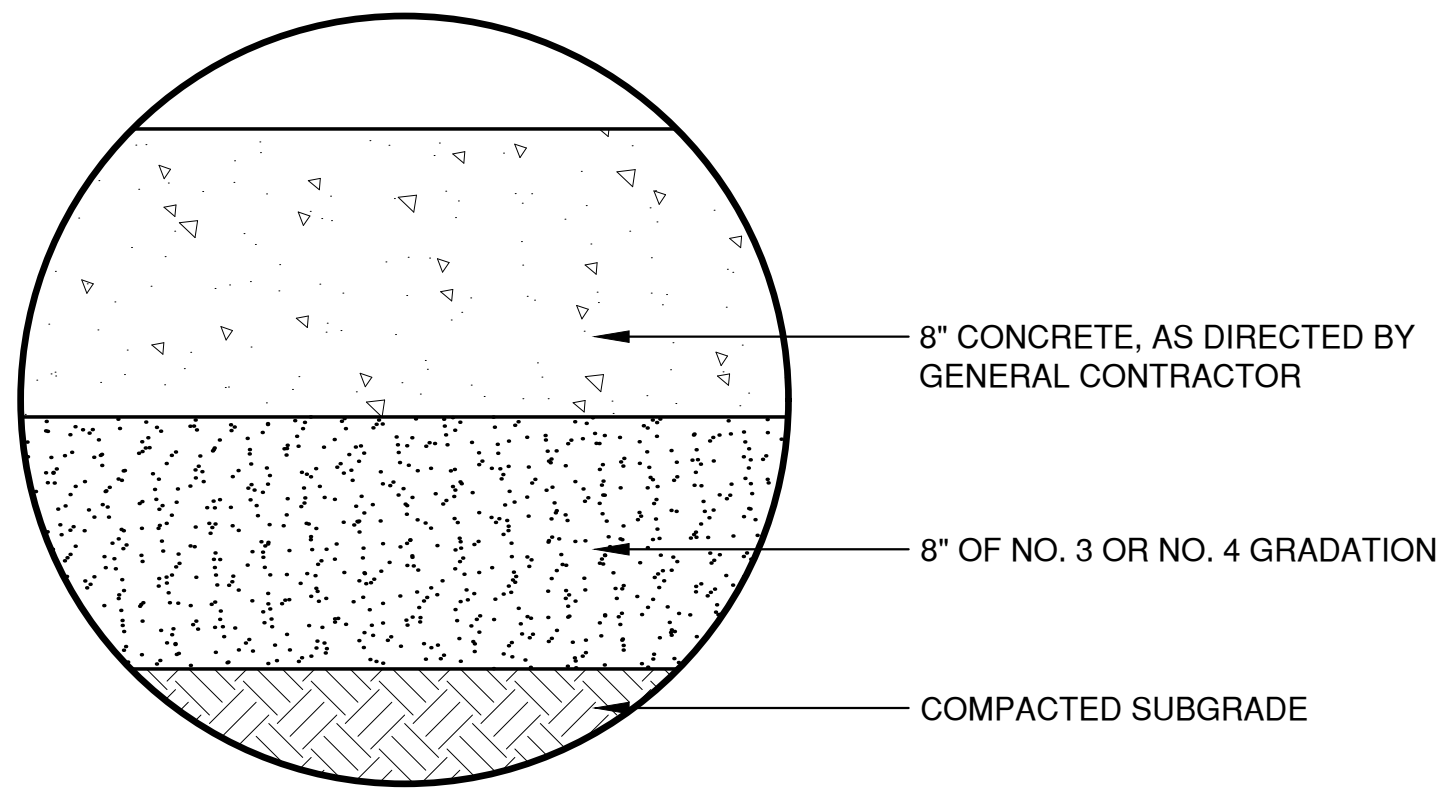
820 MAIN AVE SITE DEVELOPMENT FOR
NORTH SHORE BANK
CITY OF DE PERE
BROWN COUNTY, WISCONSIN

MISCELLANEOUS DETAILS

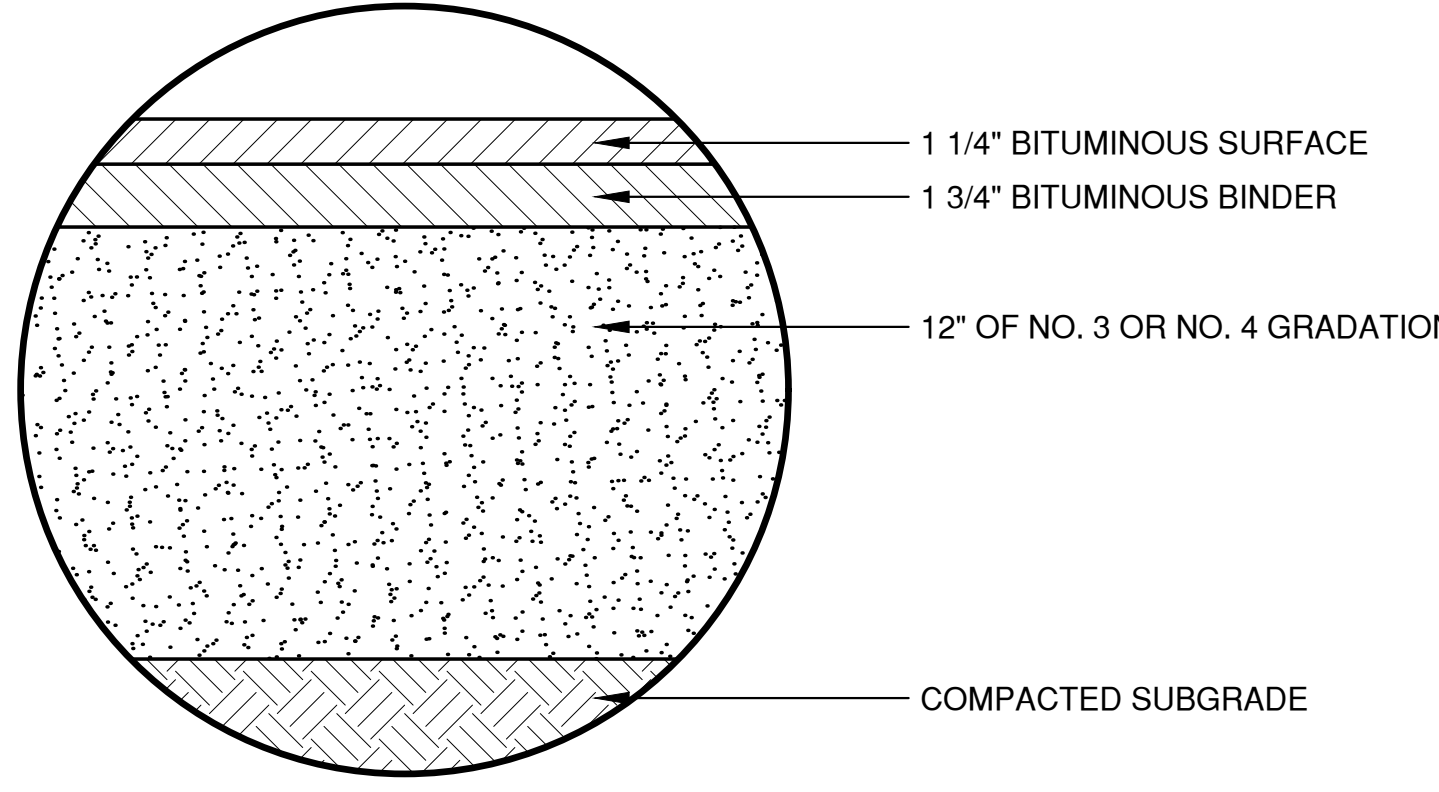
DATE	06/2023
FILE	DETAILS
JOB NO.	4699012

REL Robert E. Lee
& Associates, Inc.
1250 Centennial Centre Blvd | Hobart, WI | 920-662-9641 | releinc.com

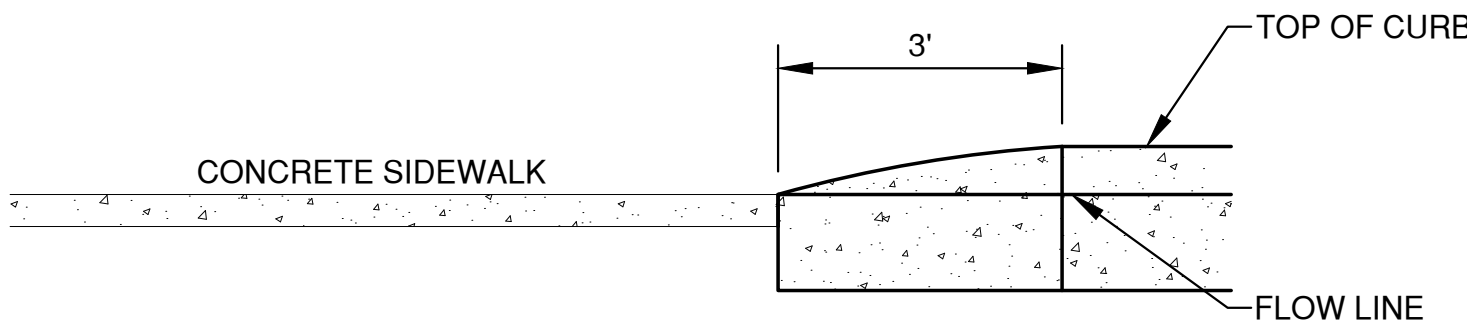
SHEET NO.
5



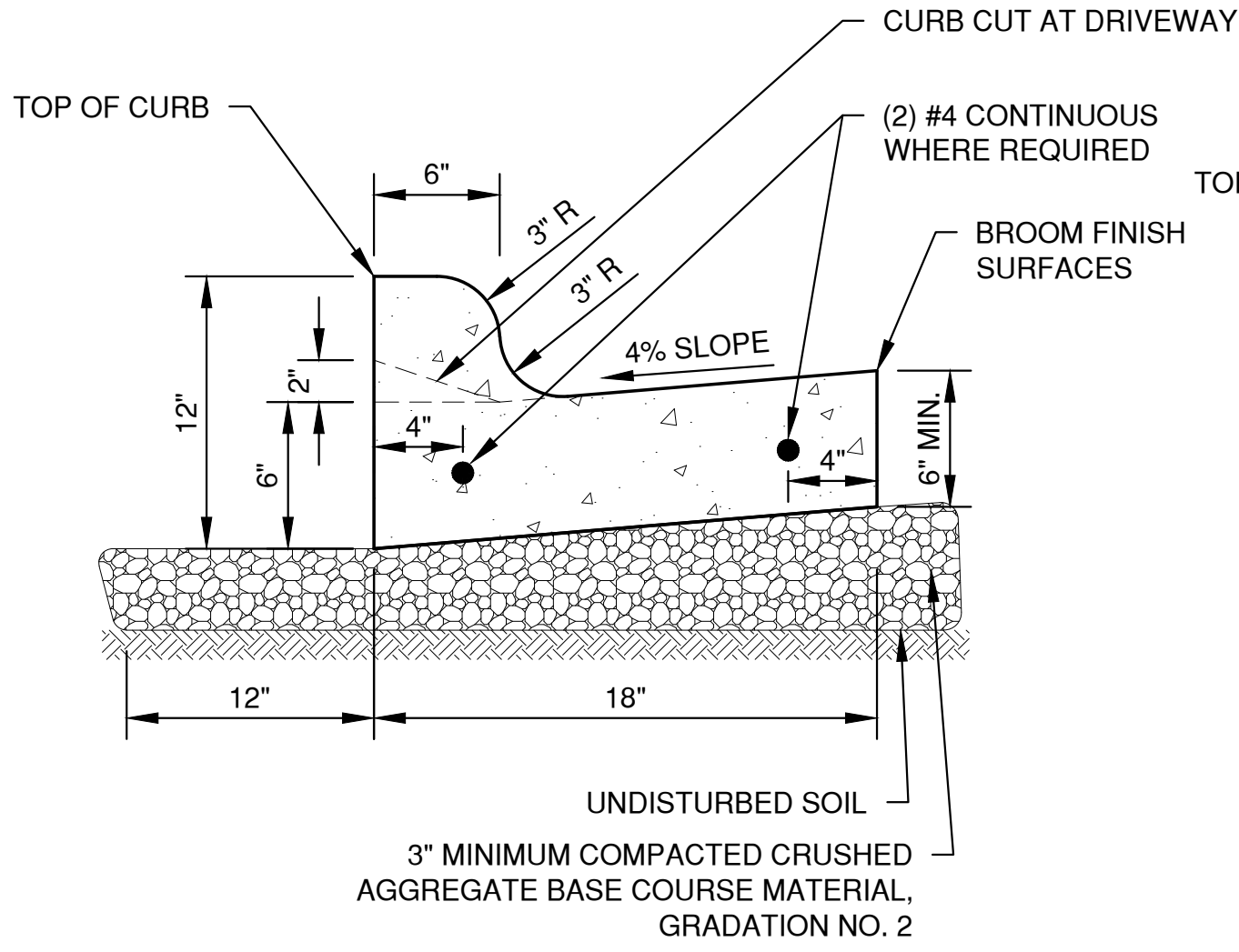
CONCRETE PAVEMENT



ASPHALT PAVEMENT

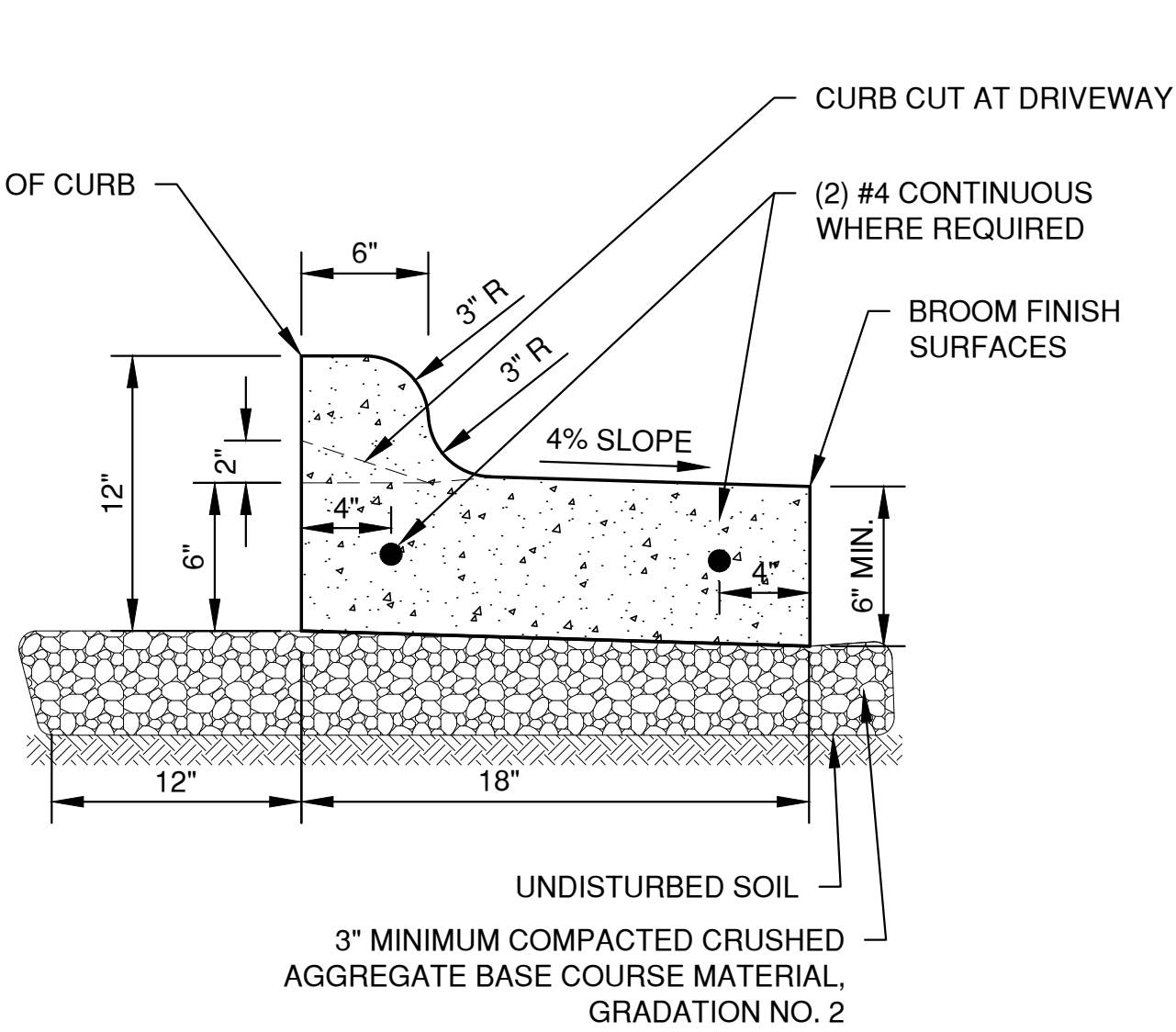


CURB TAPER DETAIL



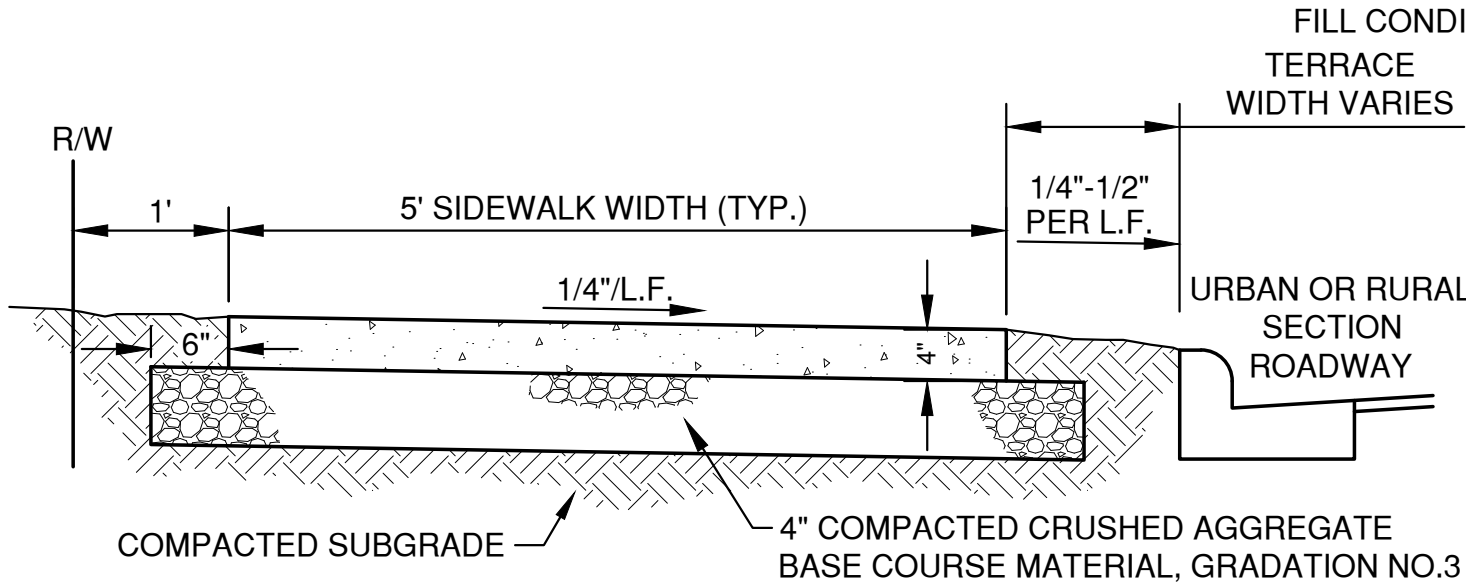
- NOTES:
1. PROVIDE 1" EXPANSION JOINTS AT 300' INTERVALS OR AS SPECIFIED. PROVIDE CONTRACTION JOINTS EVERY 30' OR AS DIRECTED.
 2. **AT REMOVAL AND REPLACEMENT AREAS** AND AT TIE-INS TO EXISTING CURB AND GUTTER, PROVIDE (2) #4 BARS, 18" LONG. DRILL AND GROUT INTO EXISTING CURB AND GUTTER 9". MATCH EXISTING SLOPE OF EXISTING GUTTER PAN.

STANDARD CURB AND GUTTER

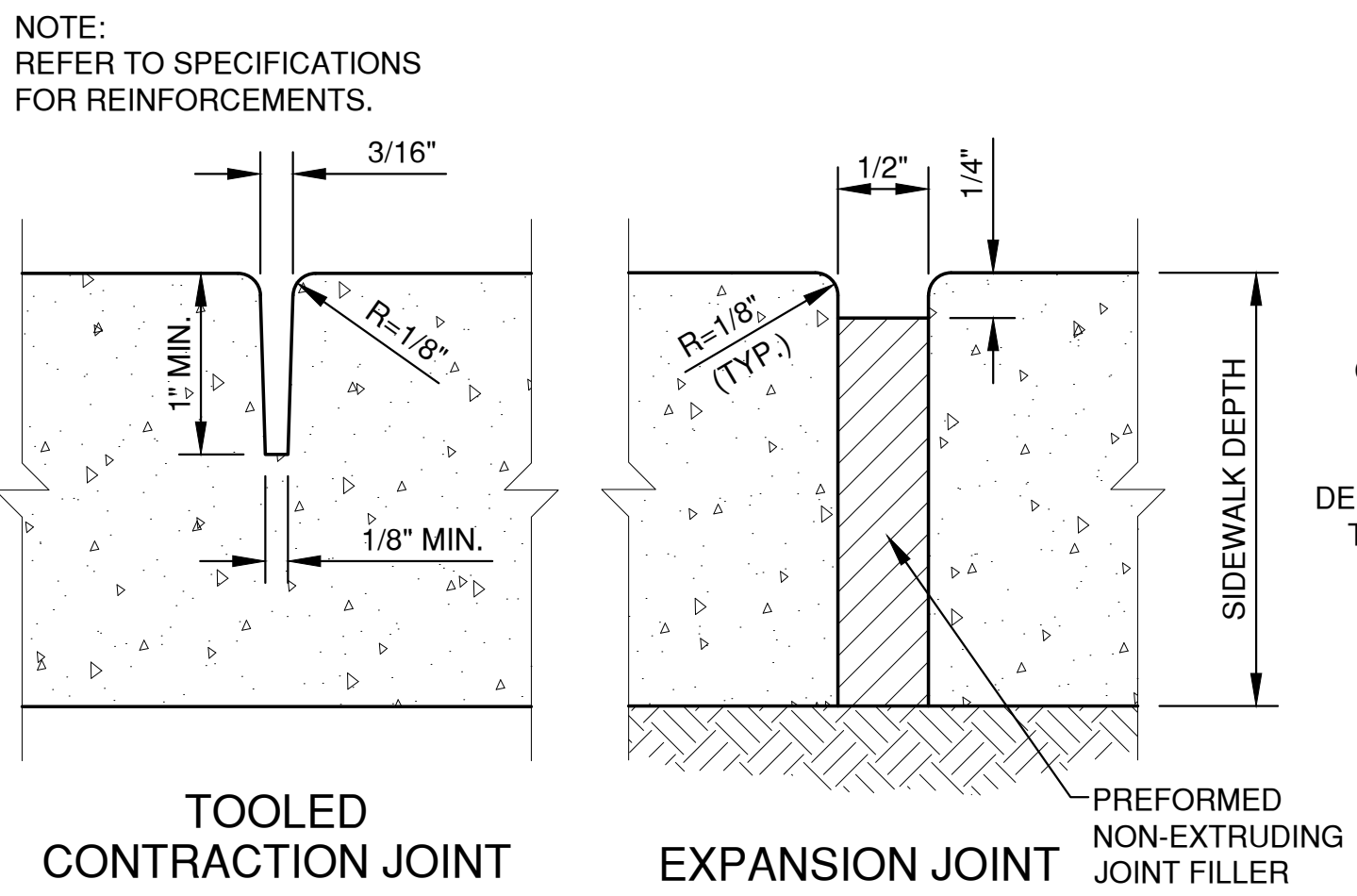


- NOTES:
1. PROVIDE 1" EXPANSION JOINTS AT 300' INTERVALS OR AS SPECIFIED. PROVIDE CONTRACTION JOINTS EVERY 30' OR AS DIRECTED.
 2. **AT REMOVAL AND REPLACEMENT AREAS** AND AT TIE-INS TO EXISTING CURB AND GUTTER, PROVIDE (2) #4 BARS, 18" LONG. DRILL AND GROUT INTO EXISTING CURB AND GUTTER 9". MATCH EXISTING SLOPE OF EXISTING GUTTER PAN.

SHEDDING CURB AND GUTTER



TYPICAL SECTION

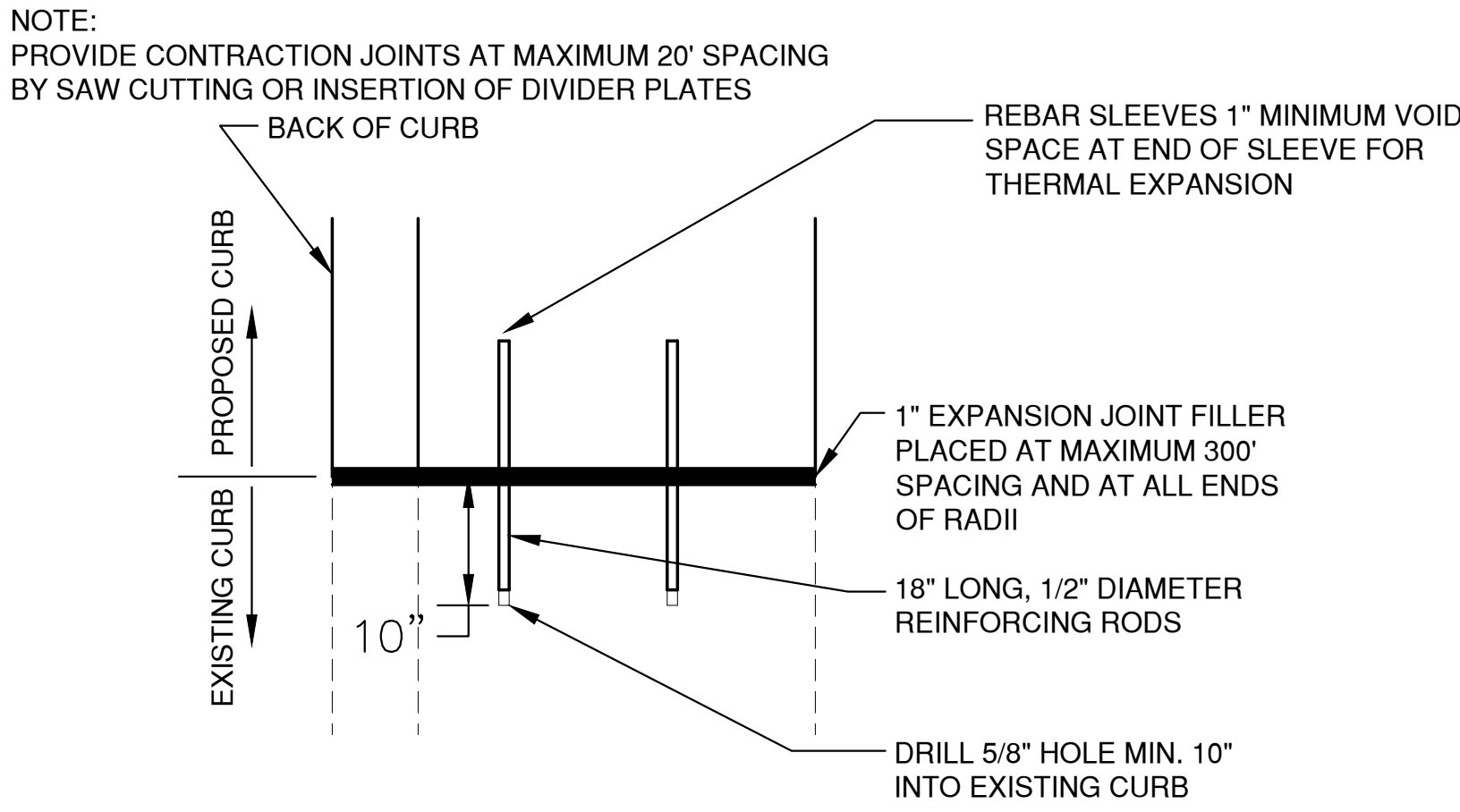


TOOLED CONTRACTION JOINT

EXPANSION JOINT

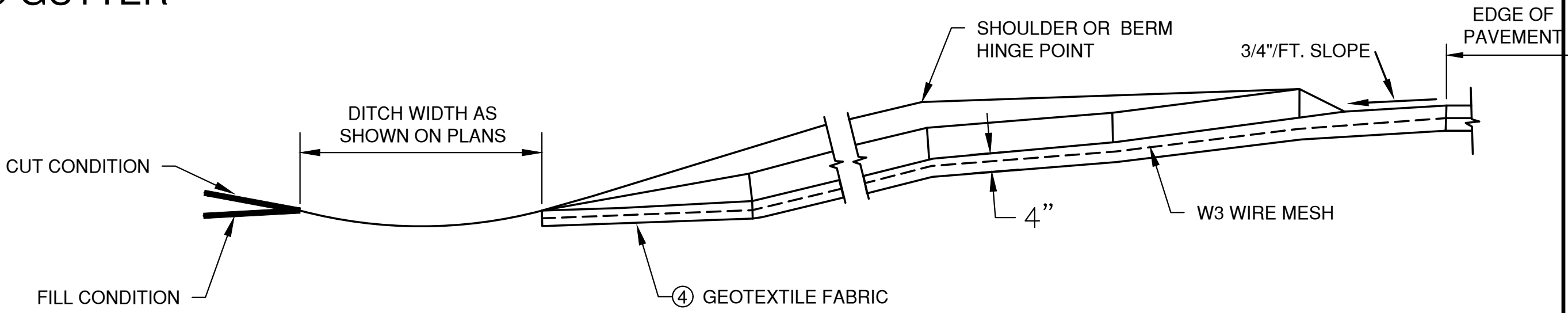
WALK WIDTH	CONTRACTION JOINT SPACING		EXPANSION JOINT SPACING
	TRANSVERSE	LONGITUDINAL	
4'	4'	NOT REQ'D	100' MAX.
5'	5'	NOT REQ'D	100' MAX.
6'	6'	NOT REQ'D	100' MAX.
8'	4'	4'	100' MAX.
10'	5'	5'	100' MAX.
12'	6'	6'	100' MAX.

SIDEWALK DETAIL

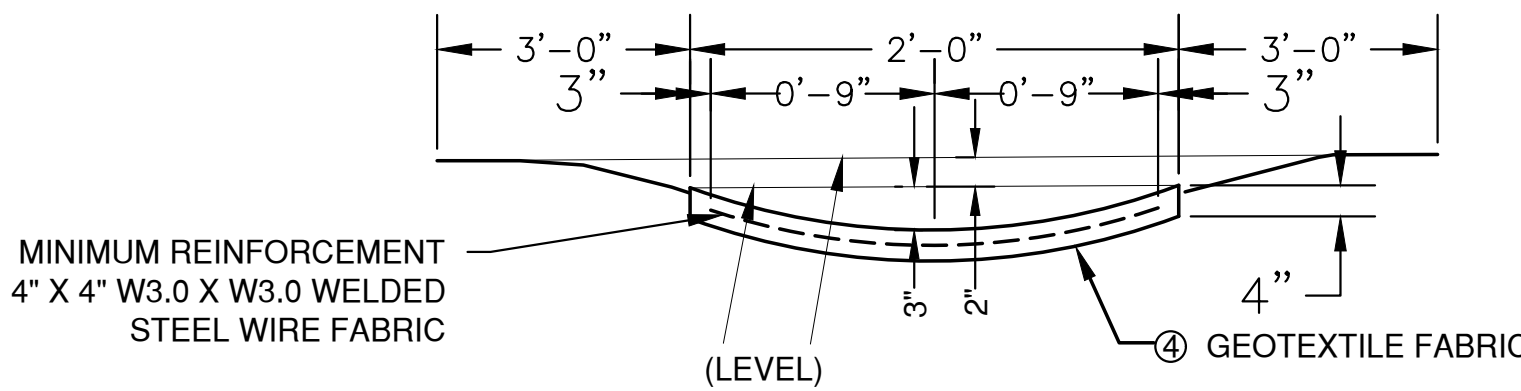


CURB TIE-IN DETAIL
(PROPOSED TO EXISTING)

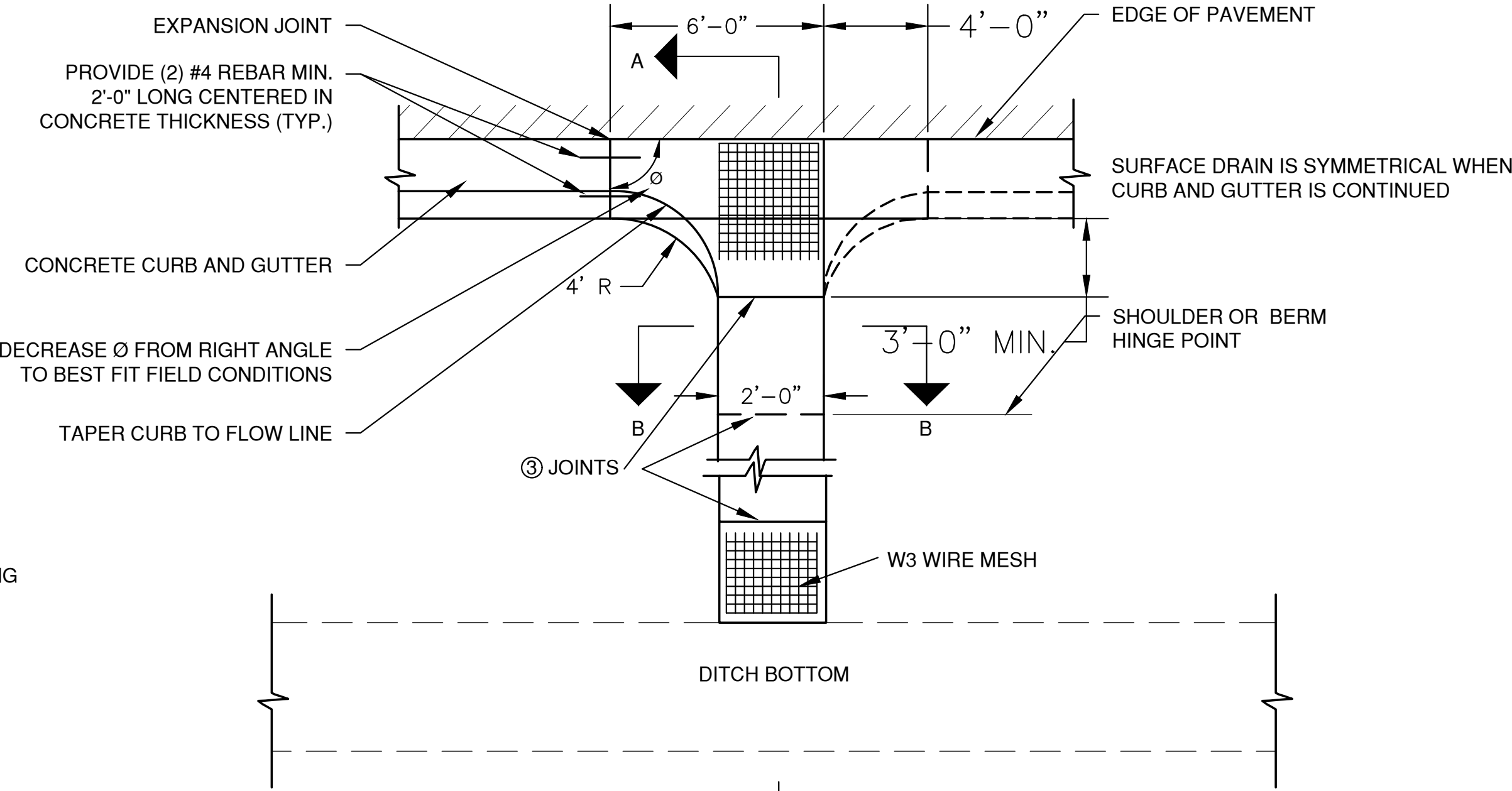
- GENERAL NOTES
- ① DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.
 - ② WELDED STEEL WIRE FABRIC SHALL BE IN ACCORDANCE WITH AASHTO SPECIFICATION M55.
 - ③ JOINTS SHALL BE 1/8 TO 1/4 INCH WIDE BY 1-1/2 INCHES DEEP AND SPACED AT UNIFORM INTERVALS OF APPROXIMATELY 4 FEET.
 - ④ 6 OZ. GEOTEXTILE FABRIC SHALL UNDERLAY THE FULL LENGTH AND WIDTH OF THE CONCRETE SURFACE DRAIN.



SECTION A-A



SECTION B-B



CONCRETE SURFACE DRAIN

File: P:\4001\4001.dwg Plot Date: Feb 28, 2024 3:58pm LAYOUT: DETAILS (2)

NO.	DATE	APPROV.	REVISION	NO.	DATE	APPROV.	REVISION	DRAWN
1	02/23/2024	AJB	CONSTRUCTION PLAN SET					JMM
								CHECKED
								AJB
								DESIGNED
								MPL

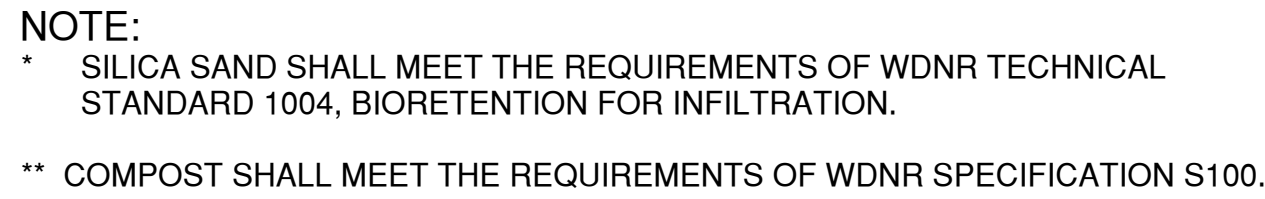
820 MAIN AVE SITE DEVELOPMENT FOR
NORTH SHORE BANK
CITY OF DE PERE
BROWN COUNTY, WISCONSIN

MISCELLANEOUS DETAILS

DATE	06/2023
FILE	DETAILS
JOB NO.	4059012

REL Robert E. Lee & Associates, Inc.
1250 Centennial Centre Blvd | Hobart, WI | 920-662-9641 | releinc.com

SHEET NO.
6

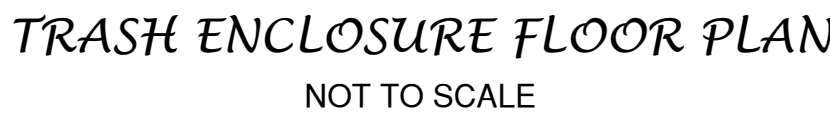
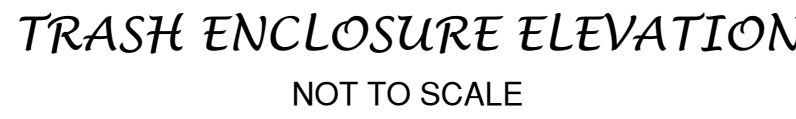
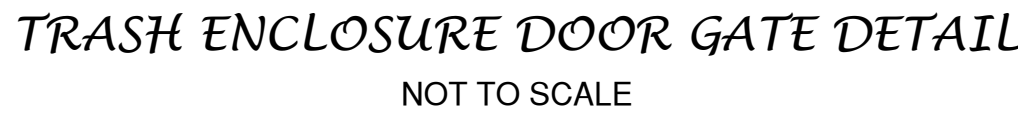


(A) TOP ELEVATION	(B) STAND PIPE RIM	(C) BOTTOM AREA (S.F.), ELEV.	(D) DISCHARGE PIPE INV.	(E) ENGINEERED SOIL DEPTH
610.00	608.25	1,929 S.F., 607.00	604.75	1.50'

A PERSON TRAINED AND EXPERIENCED IN THE CONSTRUCTION, OPERATION AND MAINTENANCE OF INFILTRATION DEVICES SHALL BE RESPONSIBLE FOR CONSTRUCTION OF THE DEVICE. THE FOLLOWING APPLY:

- ## BIORETENTION POND WITH LINER DETAIL

1. CLAY LINER (2 FOOT MINIMUM)
 - IN-PLACE HYDRAULIC CONDUCTIVITY OF 1 X 10⁻⁷ CM/SEC OR LESS
 - 50% FINES (200 SIEVE) OR MORE (BY WEIGHT)
 - AVERAGE LIQUID LIMIT (LL) OF 25 OR GREATER, WITH NONE LESS THAN 20
 - AVERAGE PLASTICITY INDEX (PL) OF 12 OR MORE, WITH NONE LESS THAN 10
 - CLAY INSTALLED WET OR OPTIMUM IF USING STANDARD PROCTOR, AND 2% WET OR OPTIMUM IF USING MODIFIED PROCTOR.
 - COMPACTED TO 95% FOR STANDARD AND 90% FOR MODIFIED PROCTORS
 - SMOOTH DRUM COMPACTION EQUIPMENT IS NOT ALLOWED FOR CLAY COMPACTION
 - CLAY SHALL BE PLACED IN LIFTS NO GREATER THAN 6" PRIOR TO COMPACTION
 - CLAY SHALL BE DISKED OR OTHERWISE MECHANICALLY PROCESSED BEFORE COMPACTION TO BREAK UP CLODS.
 - MAXIMUM CLOD SIZE IS 4"
2. HIGH DENSITY POLYETHYLENE (HDPE) LINER
 - MINIMUM THICKNESS SHALL BE 40 MILS
 - DESIGN ACCORDING TO THE CRITERIA IN TABLE 3 OF THE NRCS WASTEWATER STORAGE FACILITY TECHNICAL STANDARD 313
 - INSTALL ACCORDING TO NRCS WISCONSIN CONSTRUCTION SPECIFICATION 202, POLYETHYLENE GEOMEMBRANE LINING
3. POLYETHYLENE POND LINER (PPL)
 - MINIMUM THICKNESS SHALL BE 30 MILS
 - DESIGN ACCORDING TO THE CRITERIA IN TABLE 3 OF THE NRCS WASTEWATER STORAGE FACILITY TECHNICAL STANDARD 313
 - INSTALL ACCORDING TO NRCS WISCONSIN CONSTRUCTION SPECIFICATION 202, POLYETHYLENE GEOMEMBRANE LINING

[illegible]

MISCELLANEOUS DETAILS

DATE
06/2023
FILE
DETAILS
JOB NO.
4959012



REL Robert E. Lee
& Associates, Inc.

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SHEET NO
7

INLET PROTECTION DEVICES SHALL BE IN ACCORDANCE WITH
WDNR TECHNICAL STANDARD 1060, STORM DRAIN INLET
PROTECTION FOR CONSTRUCTION SITES.

WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.

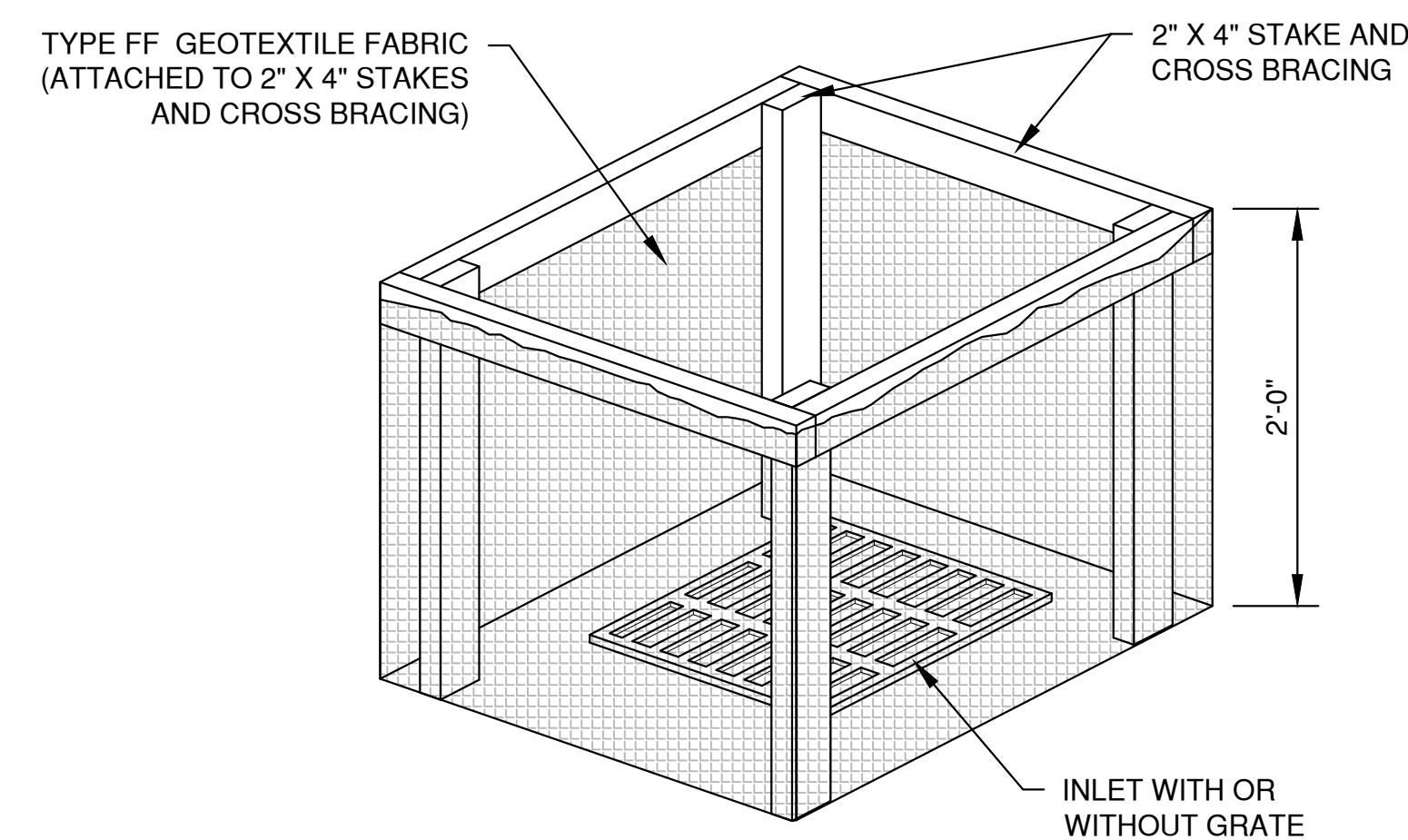
WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED IN THE FABRIC DOES NOT FALL INTO THE STRUCTURE. MATERIAL THAT HAS FALLEN INTO THE INLET SHALL BE IMMEDIATELY REMOVED.

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

TYPE "D"

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

1. TAPER BOTTOM OF BAG TO MAINTAIN THREE INCHES OF CLEARANCE BETWEEN THE BAG AND THE STRUCTURE, MEASURED FROM THE BOTTOM OF THE OVERFLOW OPENINGS TO THE STRUCTURE WALL.
2. GEOTEXTILE FABRIC TYPE FF FOR FLAPS, TOP AND BOTTOM OF THE OUTSIDE OF FILTER BAG. FRONT, BACK AND BOTTOM OF FILTER BAG BEING ONE PIECE.
3. FRONT LIFTING FLAP IS TO BE USED WHEN REMOVING AND MAINTAINING FILTER BAG.
4. SIDE FLAPS SHALL BE A MAXIMUM OF TWO INCHES LONG. FOLD THE FABRIC OVER AND REINFORCE WITH MULTIPLE STITCHES.
5. FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2" X 4". THE REBAR, STEEL PIPE, OR WOOD SHALL BE INSTALLED IN THE REAR FLAP AND SHALL NOT BLOCK THE TOP HALF OF THE CURB FACE OPENING.




FLAP POCKET
SEE NOTE 5

WOOD 2" X 4" EXTENDS 8" BEYOND
GRATE WIDTH ON BOTH SIDES,
LENGTH VARIES. SECURE TO
GRATE WITH PLASTIC TIES.

TYPE FF GEOTEXTILE FABRIC
(EXTEND FABRIC A MINIMUM OF
10" AROUND GRATE PERIMETER
FOR MAINTENANCE OR
REMOVAL)

LAYOUT: 1 INLET PROTECTION
 Plot Date: Feb 23, 2024 - 2:15pm
 File: C:\WisDOT\Std\temp\AcPublish_740\EROSION CONTROL.dwg

NO.				DATE				APPROV.				REVISION				NO.				DATE				APPROV.				REVISION				DRAWN				820 MAIN AVE SITE DEVELOPMENT FOR NORTH SHORE BANK CITY OF DE PERE BROWN COUNTY, WISCONSIN				EROSION CONTROL INLET PROTECTION TYPES A, B, C AND D				DATE								SHEET NO.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
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2. GEOTEXTILE FABRIC TYPE FF FOR FLAPS AND TOP HALF OF FILTER BAG. GEOTEXTILE FABRIC TYPE HR FOR BOTTOM HALF OF FILTER BAG. FRONT, BACK AND BOTTOM OF FILTER BAG BEING ONE PIECE.
3. FRONT LIFTING FLAP IS TO BE USED WHEN REMOVING AND MAINTAINING FILTER BAG.
4. SIDE FLAPS SHALL BE A MAXIMUM OF TWO INCHES LONG. FOLD THE FABRIC OVER AND REINFORCE WITH MULTIPLE STITCHES.
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EXPOSED SOIL TEXTURE	EXPOSED SOIL PARTICLE DIAMETER (Average) (mm)	FILTER FABRIC TYPE*	RECOMMENDED INLET PROTECTION DEVICE TYPE
COARSE (SAND)	≥0.0625	FF	D, D-M
MEDIUM (SILT LOAM)	0.0624 - 0.005	DF	D, D-M
FINE (CLAY)	≤ 0.004	R	D-M
		HR	D-HR

** FOLLOW DESIGN CRITERIA OF WDNR TECHNICAL STANDARD 1060

NO.	DATE	APPROV.	REVISION	NO.	DATE	APPROV.	REVISION	DRAWN	820 MAIN AVE SITE DEVELOPMENT FOR NORTH SHORE BANK CITY OF DE PERE BROWN COUNTY, WISCONSIN	EROSION CONTROL INLET PROTECTION TYPE D-HR AND TYPE D-M	DATE	Robert E. Lee & Associates, Inc. <u>INC.</u>	SHEET NO.
1	02/23/2024	AJB	CONSTRUCTION PLAN SET					CHECKED			06/2023		
								AJB			FILE		
								DESIGNED			EROSION CONTROL		
								MBL			JOB NO.		
									405012		1250 Centennial Centre Blvd Hobart, WI 920-662-9641 releinc.com		



FILTER BAG DETAIL

NOTES:

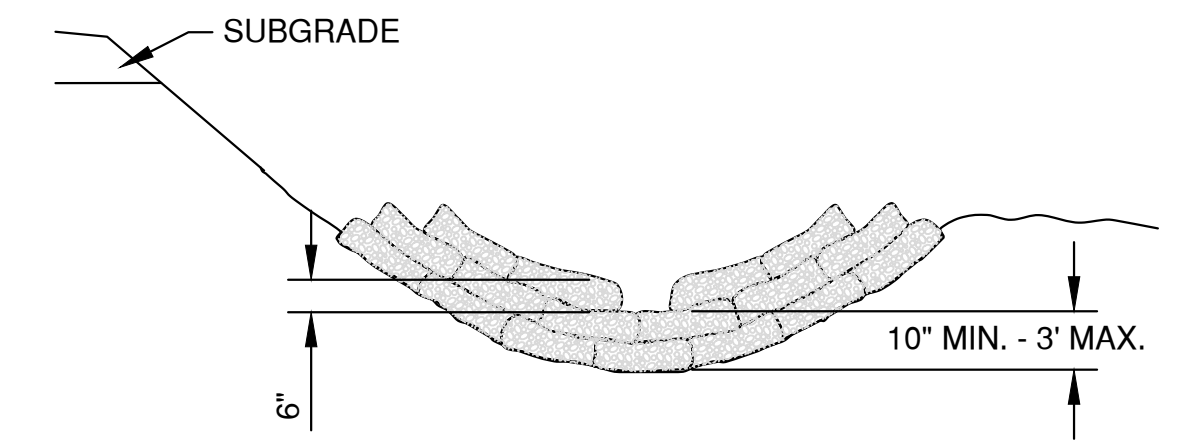
1. 18" X 30" ROCK FILLED FILTER BAG SHALL BE COMPRISED OF THE FOLLOWING:

HDPE HIGH DENSITY POLYETHYLENE
HDPE HIGH DENSITY POLYETHYLENE DRAW STRING KNITTED DIRECTLY
INTO BAG OPENING.
80% FABRIC CLOSURE WITH APPARENT OPENING SIZE NO LARGER THAN
1/8" X 1/8"
ROLLED SEAM USING A MINIMUM OF 480 DENIER POLYESTER
SEWING YARN FOR STRENGTH AND DURABILITY.

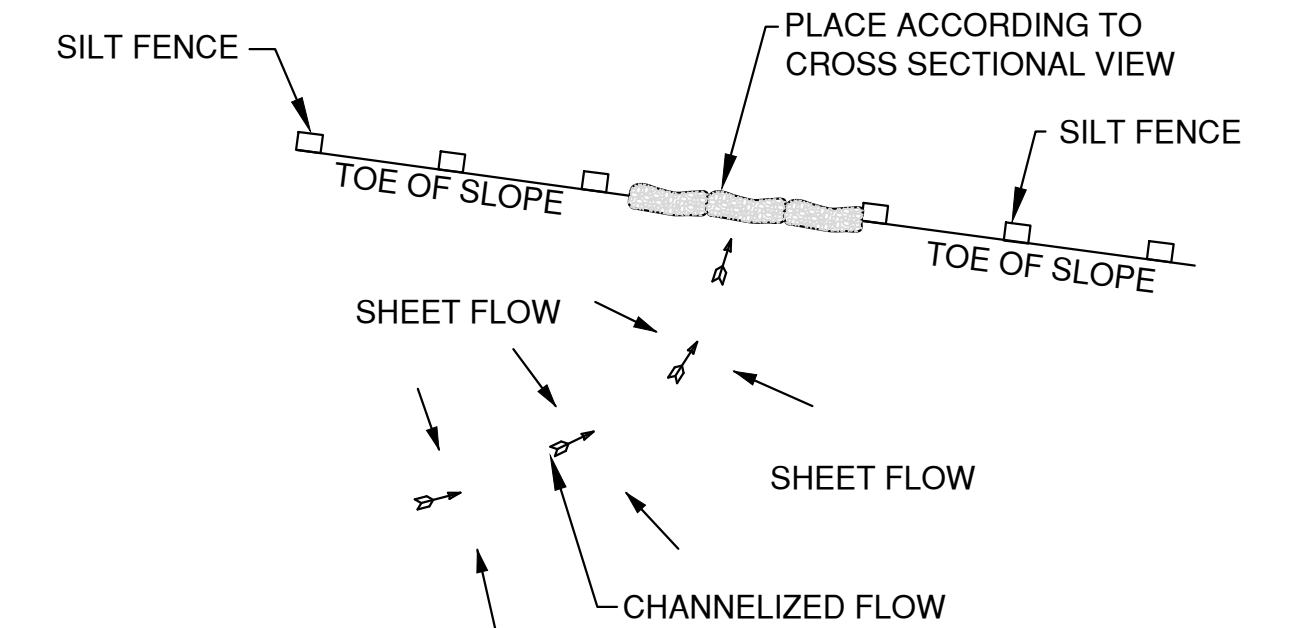
2. USE WELL GRADED COURSE AGGREGATE CONFORMING TO THE FOLLOWING GRADATION REQUIREMENTS

SIEVE SIZE	SIZE NO. AASHTO No. 67 (1)
2 INCH (50 mm)	-
1 1/2 INCH (37.5mm)	-
1 INCH (25.0 mm)	100
3/4 INCH (19.0mm)	90-100
3/8 INCH (9.5mm)	20-55
No. 4 (4.75mm)	0-10
No. 8 (2.36mm)	0-5

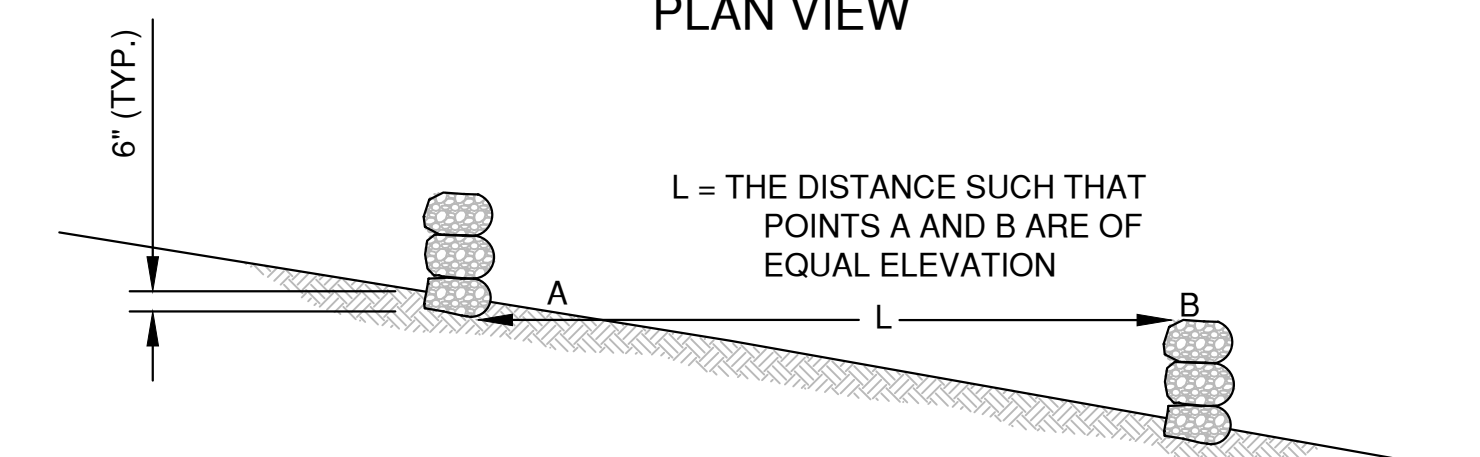
(1) SIZE No. ACCORDING TO AASHTO M 43



CROSS SECTIONAL VIEW



PLAN VIEW



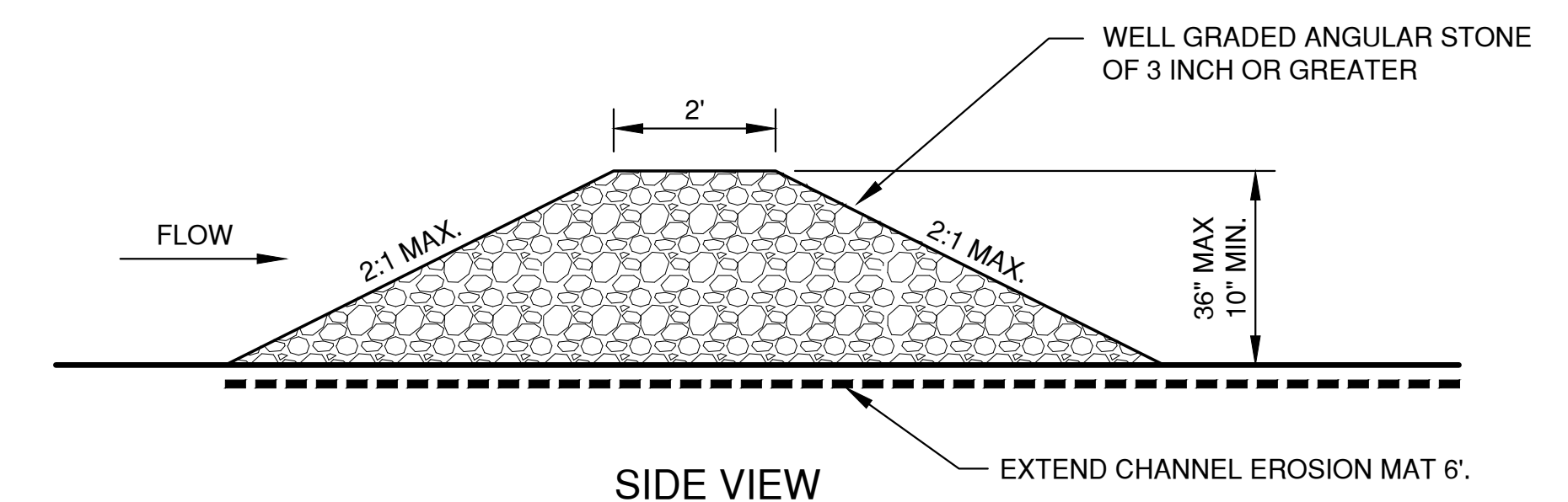
SIDE VIEW

DITCH CHECK DETAIL

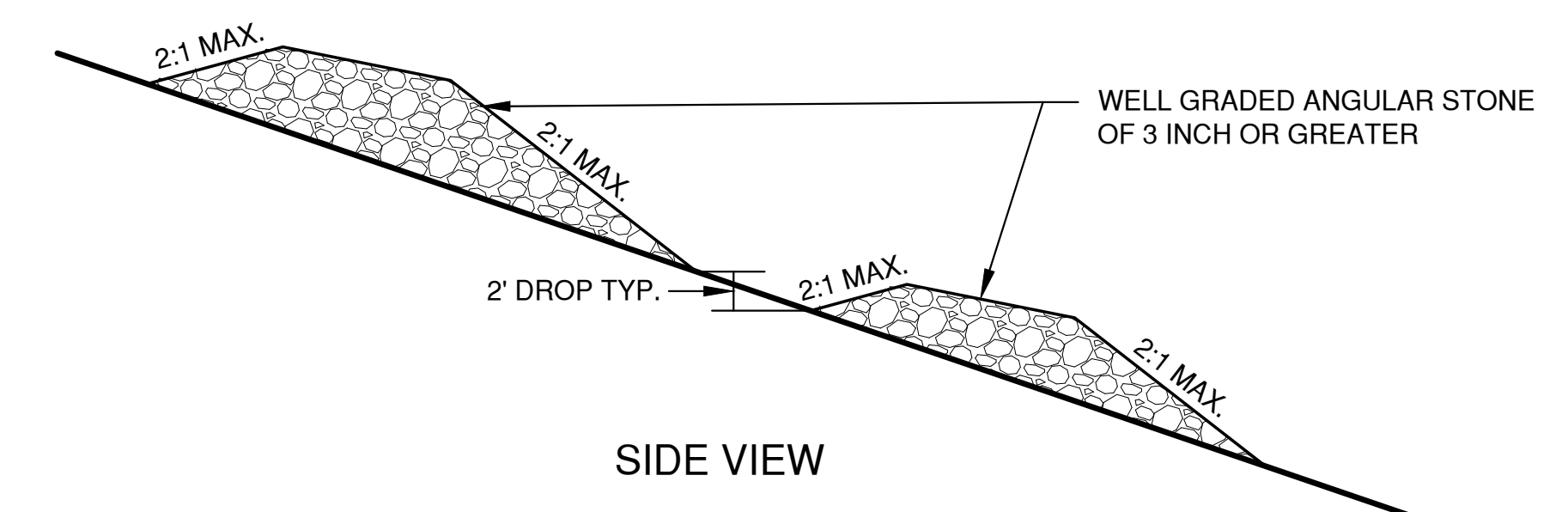
ROCK FILLED EROSION CONTROL BAGS TYPE B

DITCH CHECK GENERAL NOTES:

1. DITCH CHECKS SHALL BE CONSTRUCTED IN ACCORDANCE WITH WDNr TECHNICAL STANDARD 1062.
2. AT A MINIMUM, INSTALL ONE DITCH CHECK FOR EVERY 2 FEET OF VERTICAL DROP.
3. DITCH CHECKS SHALL BE PLACED SUCH THAT THE RESULTING PONDING WILL NOT CAUSE AN INCONVENIENCE OR DAMAGE TO ADJACENT AREAS.




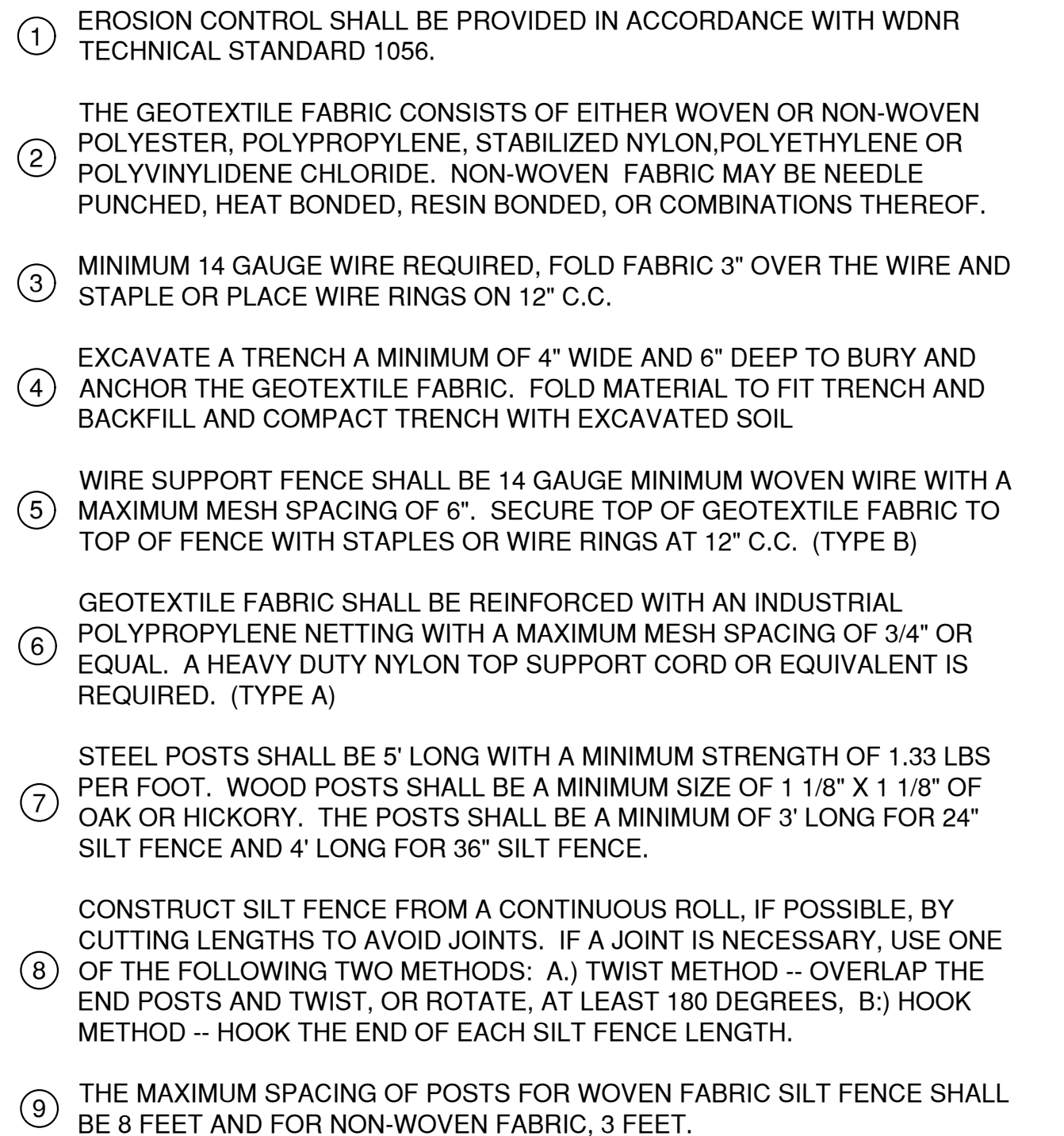
SIDE VIEW



SIDE VIEW

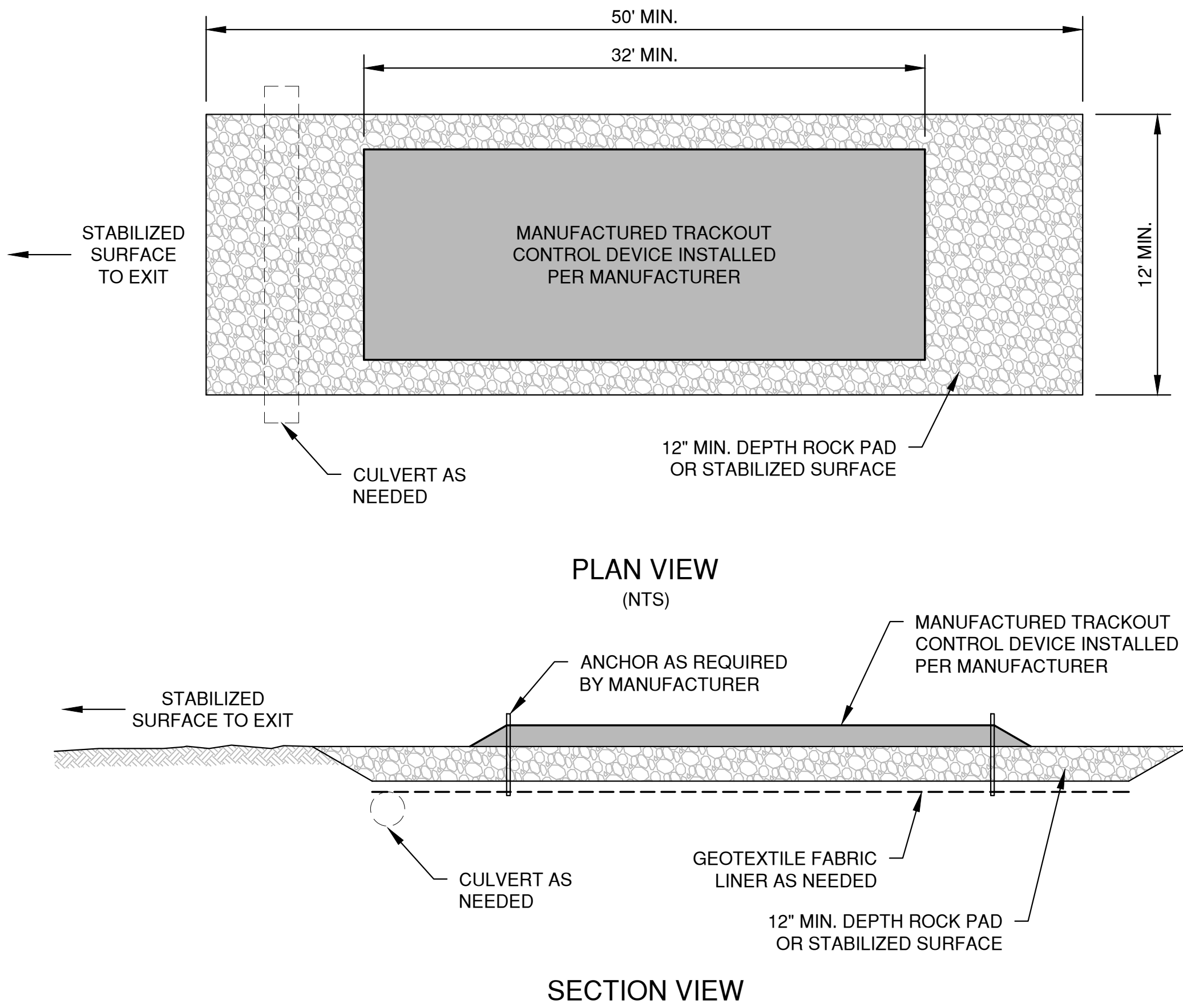
TEMPORARY DITCH CHECK USING STONE TYPE C

NO.	DATE	APPROV.	REVISION	NO.	DATE	APPROV.	REVISION	DRAWN	820 MAIN AVE SITE DEVELOPMENT FOR NORTH SHORE BANK CITY OF DE PERE BROWN COUNTY, WISCONSIN	EROSION CONTROL DITCH CHECK DETAILS	DATE	 1250 Centennial Centre Blvd Hobart, WI 920-662-9641 releinc.com	SHEET NO.
1	02/23/2024	AJB	CONSTRUCTION PLAN SET					CHECKED			06/20/23		
								AJB			FILE		
								DESIGNED			EROSION CONTROL		
								WEL			JOB NO.		
								405012					

11

File: C:\Users\jlee\OneDrive\Projects\2401 EROSION CONTROL.dwg
Plot Date: Feb 23, 2024 at 2:15pm
LAYOUT: 5 TRACKOUT

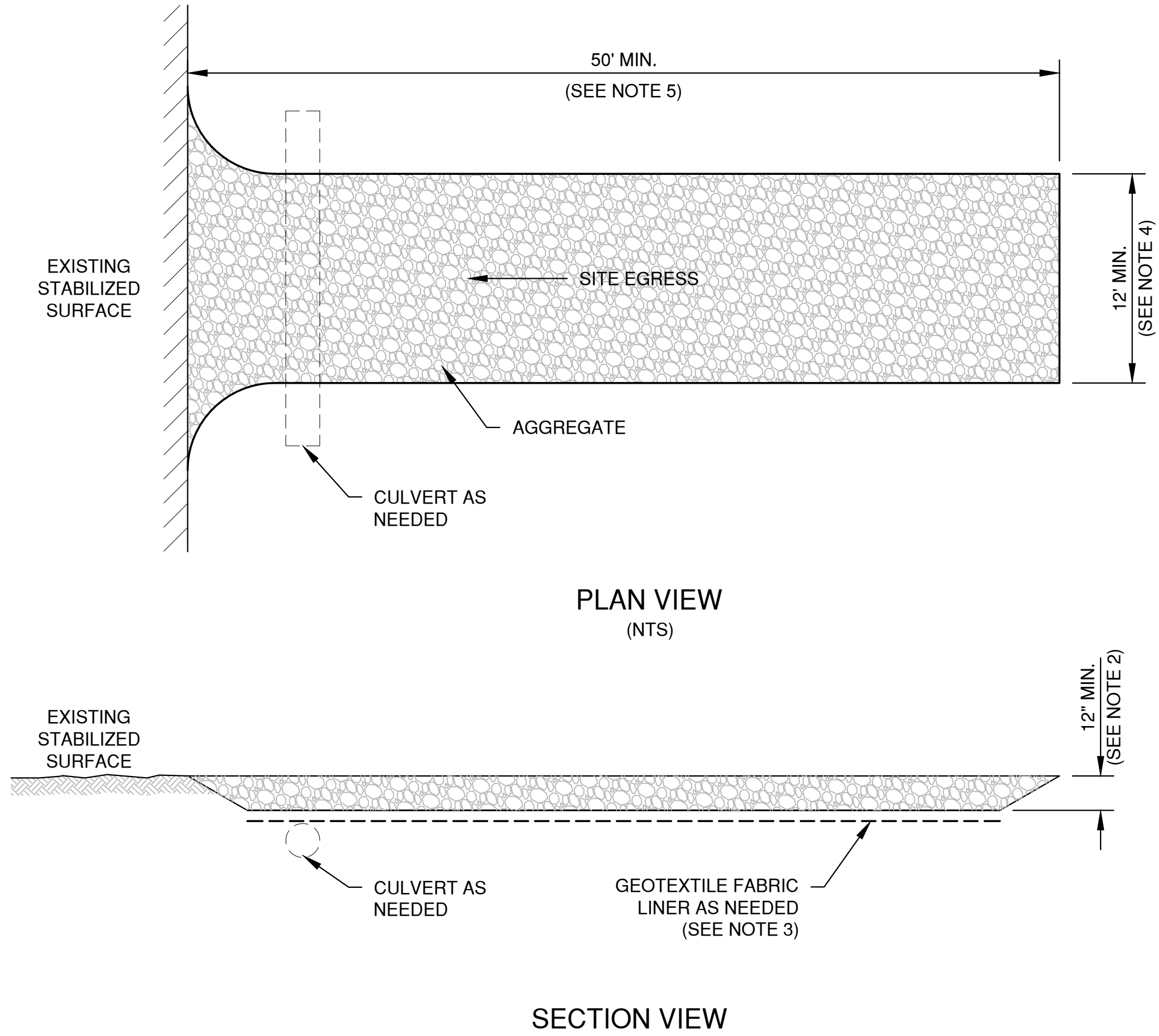
* TRACKOUT CONTROL TO BE PROVIDED PER DETAILS BELOW AND IN ACCORDANCE WITH WDNR TECHNICAL STANDARD 1057



NOTES:

- THIS DETAIL IS PROVIDED AS AN EXAMPLE. COMPLY WITH MANUFACTURER'S SPECIFICATIONS WHILE ALSO MEETING THE MINIMUM MANUFACTURED TRACKING PAD LENGTH AND WIDTH DESCRIBED IN THIS TECHNICAL STANDARD.
- INSTALL SUCH THAT RUNOFF FLOWS TO AN APPROVED TREATMENT PRACTICE.
- A THINNER STONE LAYER OR OTHER STABLE SURFACE MAY BE ACCEPTABLE SUCH THAT RUTTING IS MINIMIZED AS VEHICLES MOUNT OR DISMOUNT FROM THE MANUFACTURERS TRACKOUT CONTROL DEVICE.
- SELECT FABRIC TYPE BASED ON SOIL CONDITIONS AND VEHICLES LOADING.
- DIRECT ALL EXISTING VEHICLES OVER MANUFACTURED TRACKOUT CONTROL DEVICE. STONE TRACKING PAD INSTALLATION ACROSS REMAINING ACCESS WIDTH IS RECOMMENDED. A 12' MINIMUM CAN BE USED WHEN EXITING TRAFFIC IS RESTRICTED TO A DEDICATED EGRESS LANE.
- IF MINIMUM INSTALLATION LENGTH IS NOT POSSIBLE DUE TO SITE GEOMETRY, INSTALL THE MAXIMUM LENGTH PRACTICABLE AND SUPPLEMENT WITH ADDITIONAL PRACTICES AS NEEDED.
- ACCOMMODATE EXITING VEHICLES IN EXCESS OF MANUFACTURED TRACKOUT CONTROL DEVICE WEIGHT CAPACITY WITH OTHER TREATMENT PRACTICES.

MANUFACTURED TRACKOUT CONTROL DETAIL




NOTES:

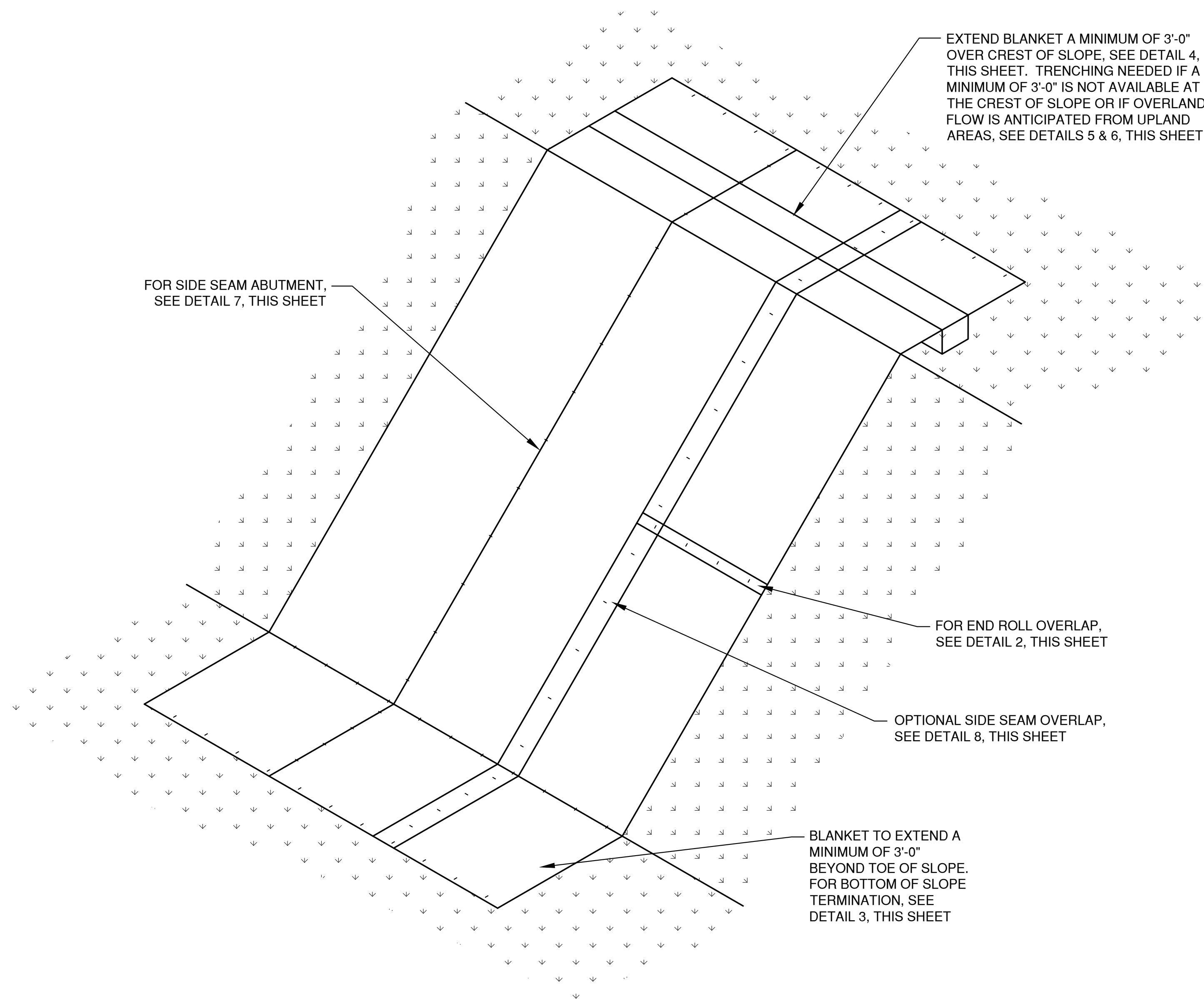
- USE HARD, DURABLE, ANGULAR STONE OR RECYCLED CONCRETE, MEETING THE FOLLOWING GRADATION:

SIEVE SIZE:	PERCENT BY WEIGHT PASSING:
3"	100
2 1/2"	90-100
1 1/2"	25-60
3/4"	0-20
3/8"	0-5
- SLOPE THE STONE TRACKING PAD IN A MANNER TO DIRECT RUNOFF TO AN APPROVED TREATMENT PRACTICE.
- SELECT FABRIC TYPE BASED ON SOIL CONDITIONS AND VEHICLES LOADING.
- INSTALL TRACKING PAD ACROSS FULL WIDTH OF THE ACCESS POINT, OR RESTRICT EXISTING TRAFFIC TO A DEDICATED EGRESS LANE AT LEAST 12 FEET WIDE ACROSS THE TOP OF THE PAD.
- IF A 50' PAD LENGTH IS NOT POSSIBLE DUE TO SITE GEOMETRY, INSTALL THE MAXIMUM LENGTH PRACTICABLE AND SUPPLEMENT WITH ADDITIONAL PRACTICES AS NEEDED.

STONE TRACKING PAD DETAIL

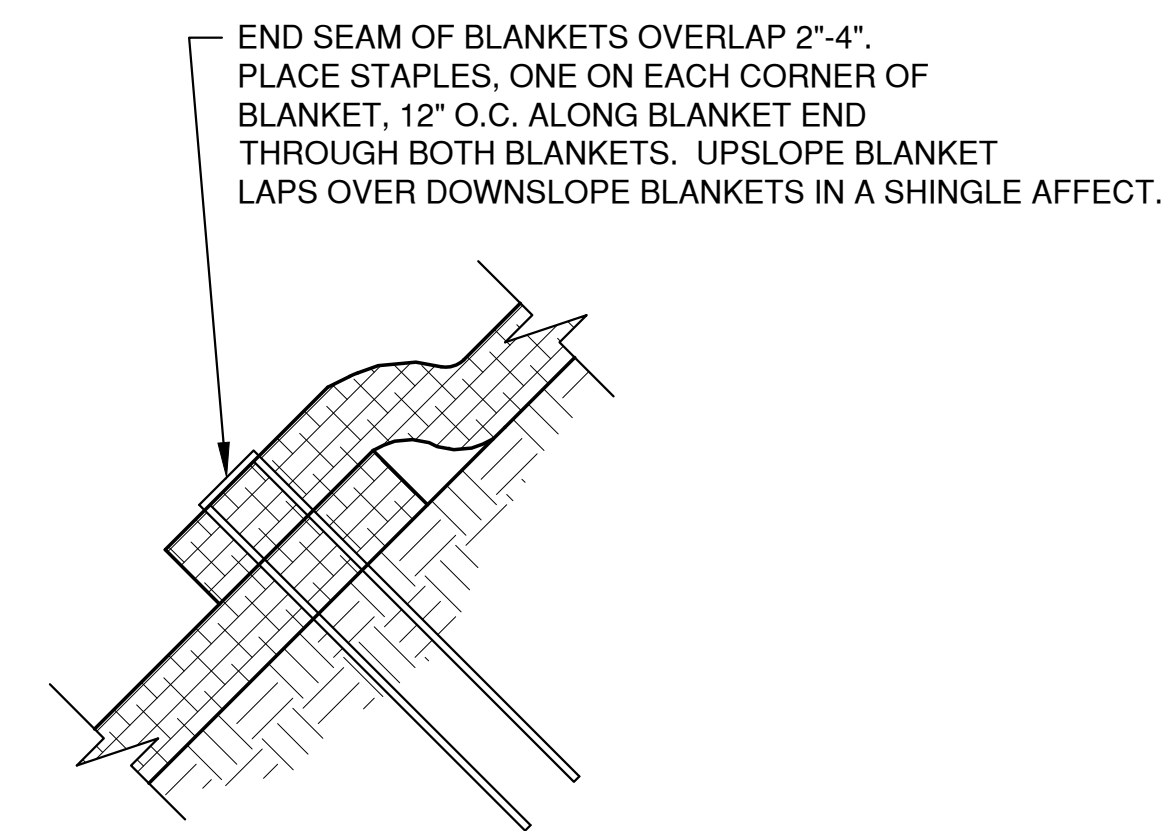
NO.	DATE	APPROV.	REVISION	NO.	DATE	APPROV.	REVISION	DRAWN	820 MAIN AVE SITE DEVELOPMENT FOR	EROSION CONTROL	DATE	 1250 Centennial Centre Blvd Hobart, WI 920-662-9641 releecinc.com	SHEET NO.
1	02/23/2024	AJB	CONSTRUCTION PLAN SET					CHECKED	NORTH SHORE BANK	TRACKOUT CONTROL PRACTICES	06/2023		12
								AJB	CITY OF DE PERE		FILE		
								DESIGNED	BROWN COUNTY, WISCONSIN		EROSION CONTROL		
								MFL			JOB NO.		

File: C:\Users\jlee\OneDrive\Documents\2401\EROSION CONTROL.dwg
Plot Date: Feb 23, 2024 2:21:50pm
LAYOUT: 8 SLOPE DETAIL



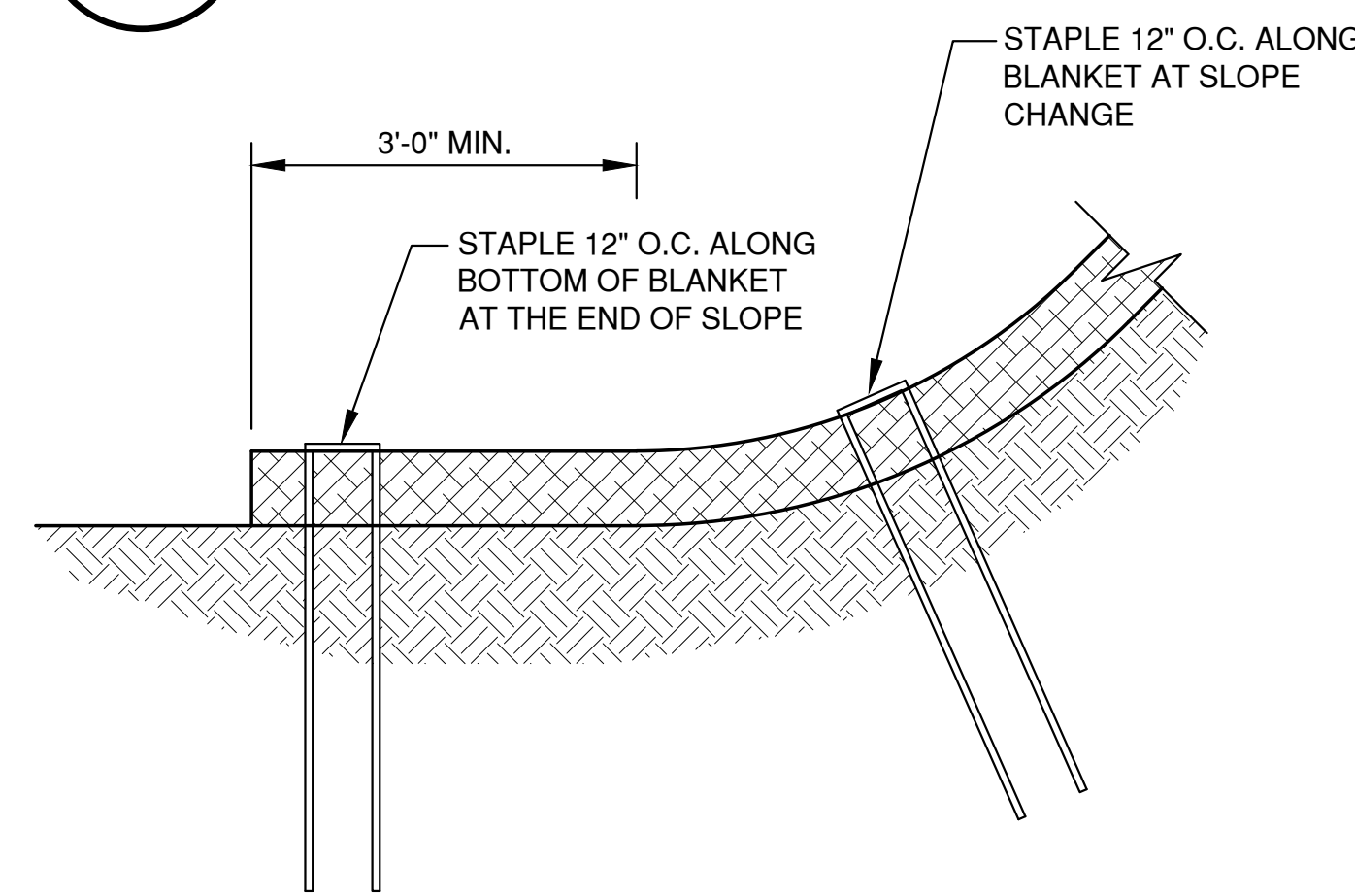
SLOPE DETAIL

1
13



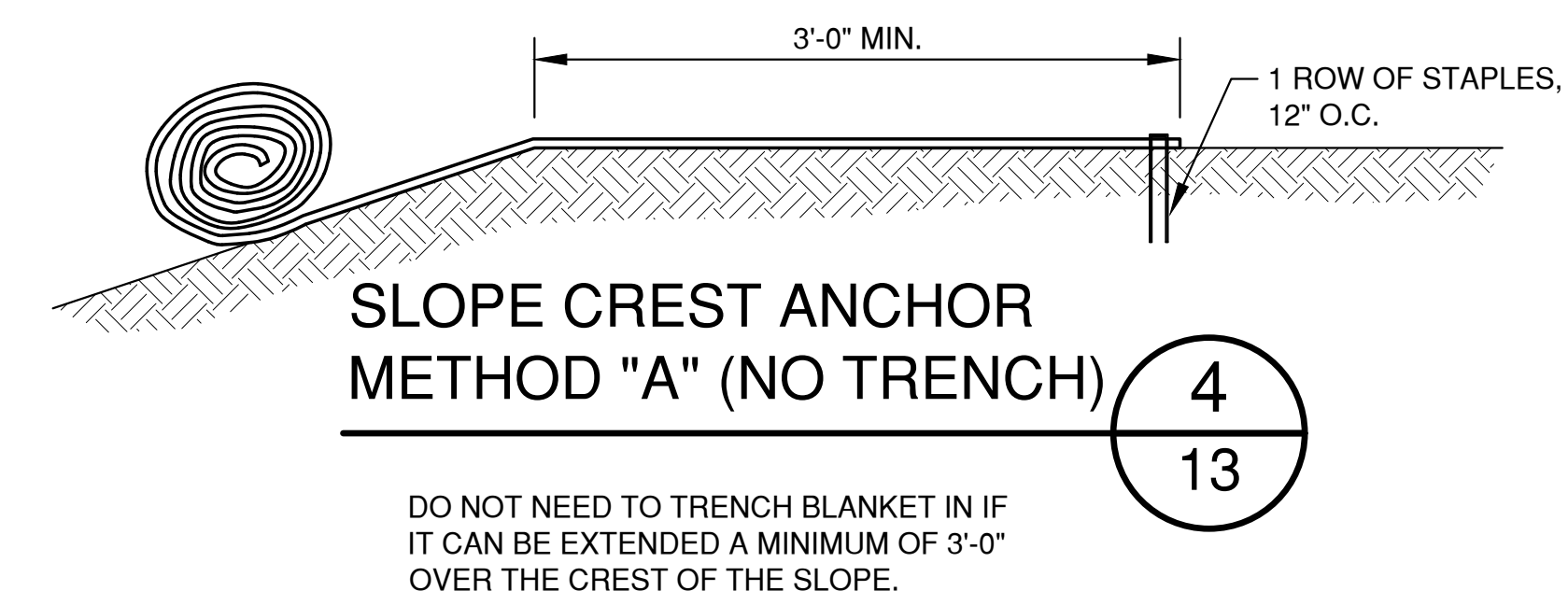
END ROLL OVERLAP

2
13



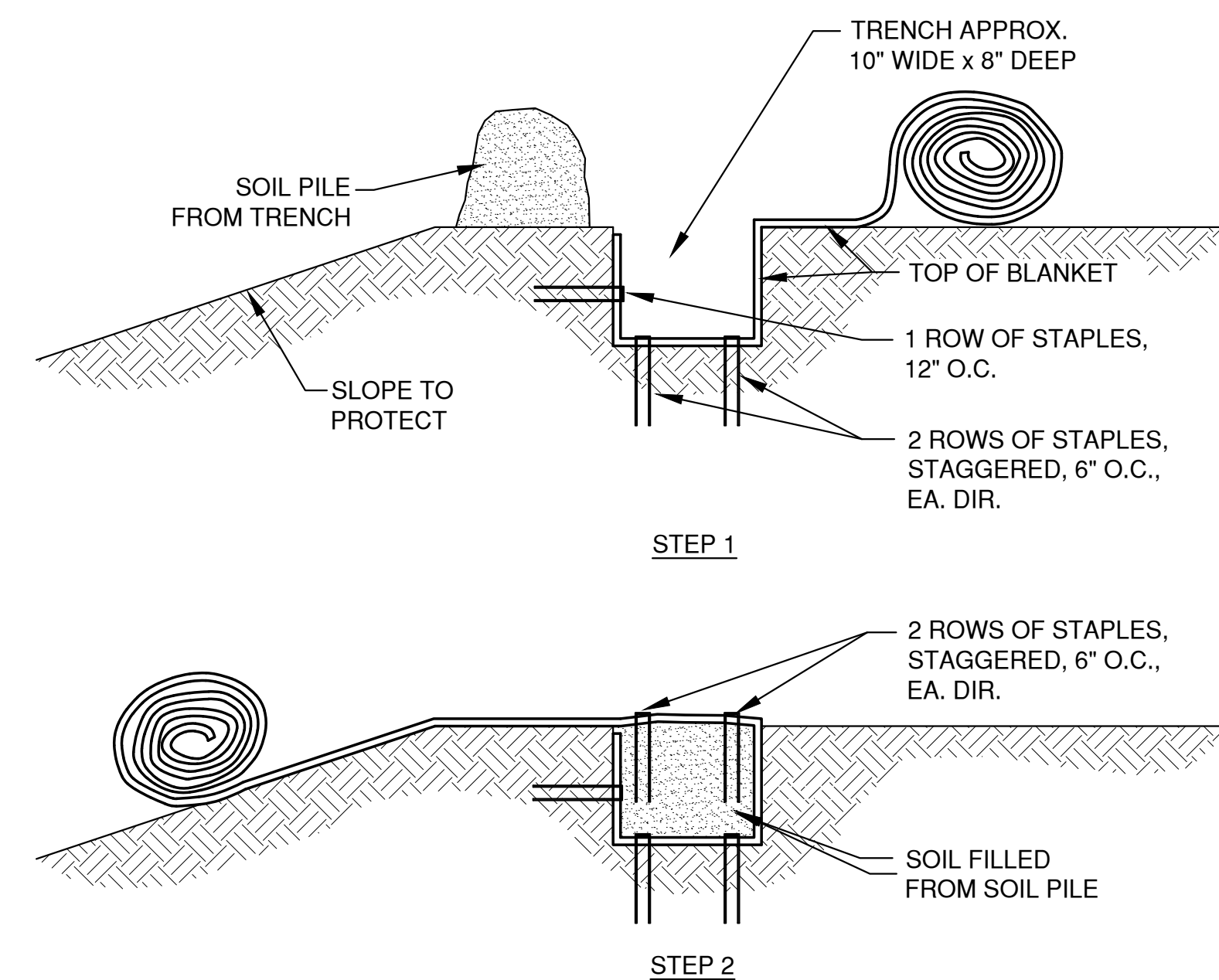
BOTTOM OF SLOPE TERMINATION

3
13



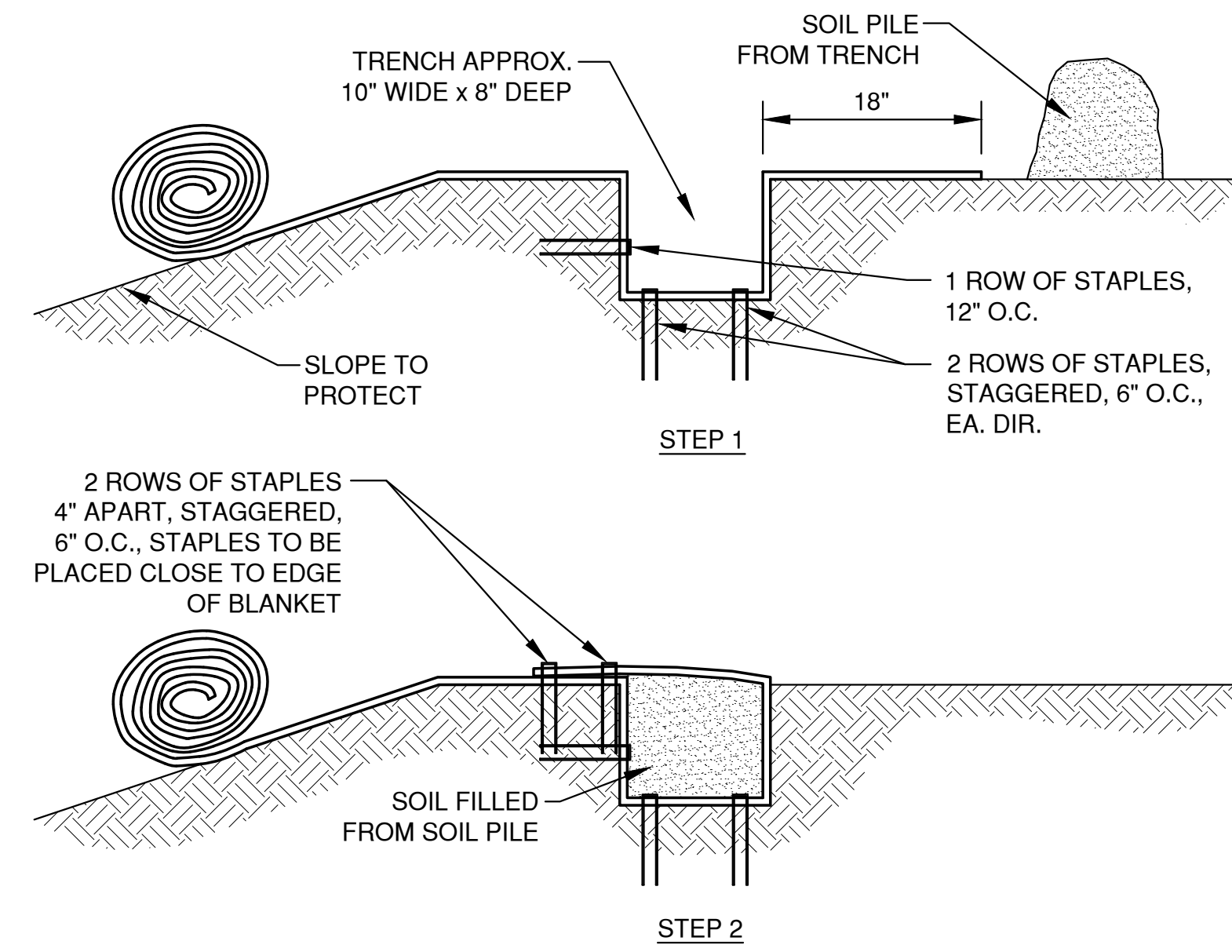
SLOPE CREST ANCHOR METHOD "A" (NO TRENCH)

4
13



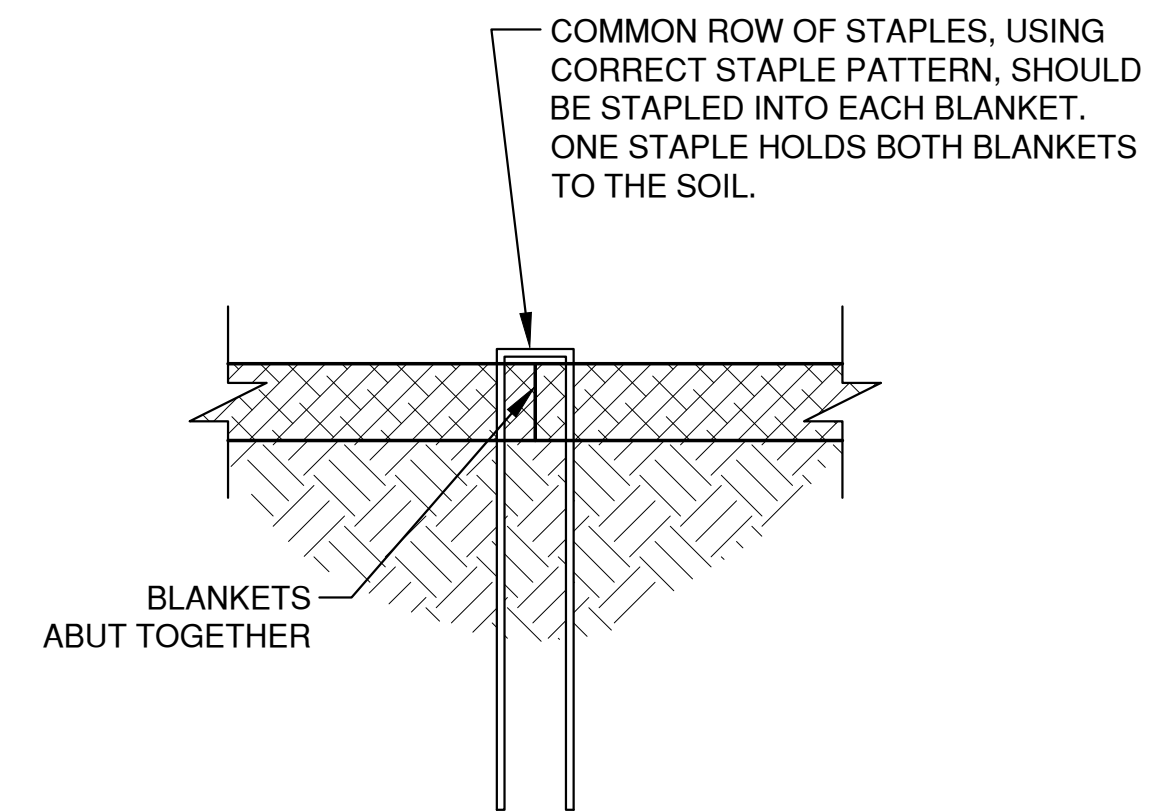
SLOPE TRENCHING METHOD "B"

5
13



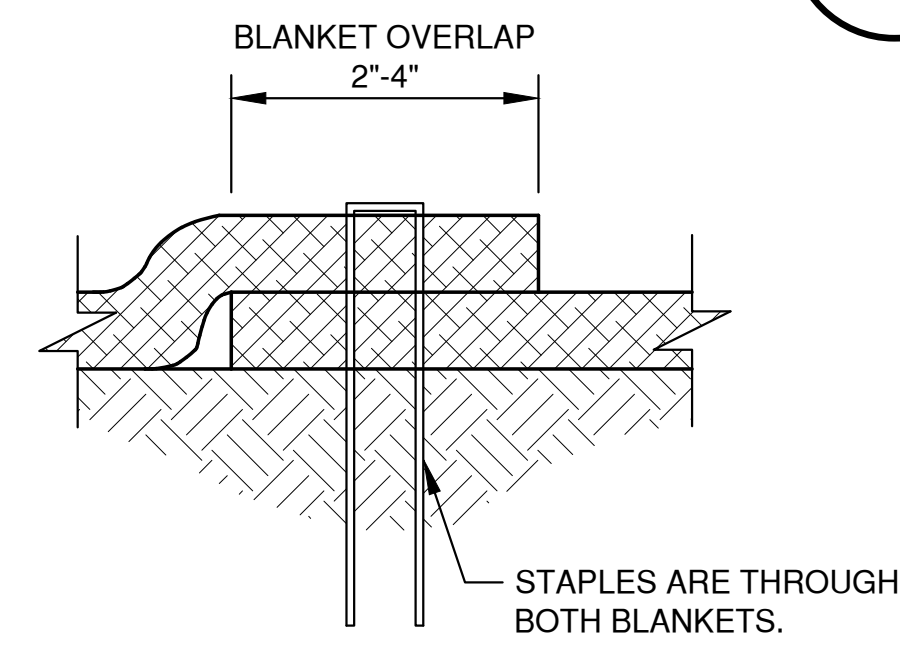
SLOPE TRENCHING METHOD "C"

6
13



SIDE SEAM ABUT STAPLE DETAIL

7
13



SIDE SEAM OVERLAP STAPLE DETAIL

8
13

NOTES:
1. STAPLE PATTERNS ARE DEPENDENT ON SITE CONDITIONS.
SEE MANUFACTURER STAPLE PATTERN GUIDE FOR DETAILS.

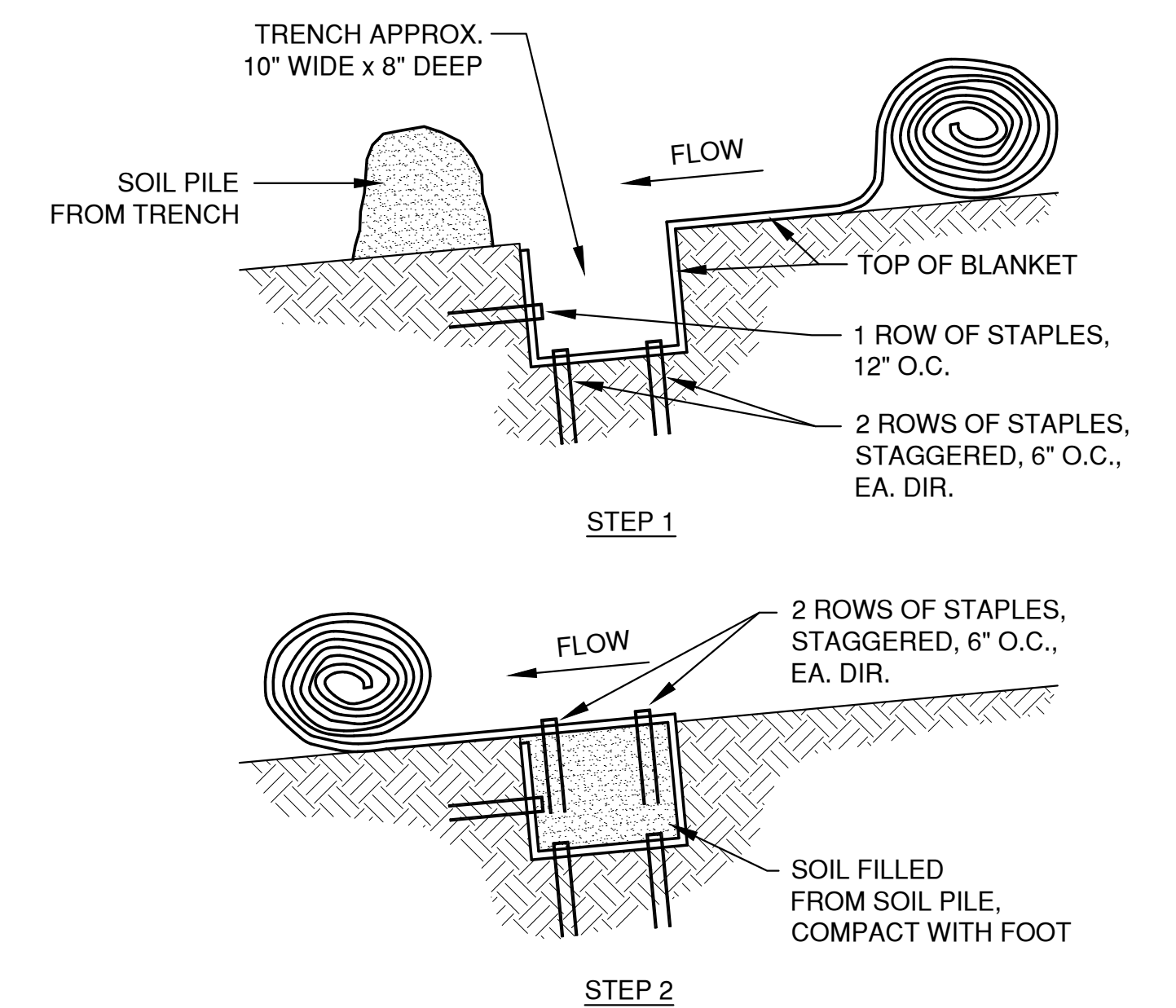
NO.	DATE	APPROV.	REVISION	NO.	DATE	APPROV.	REVISION	DRAWN
1	02/23/2024	AJB	CONSTRUCTION PLAN SET					JMM
								CHECKED
								AJB
								DESIGNED
								MPL

820 MAIN AVE SITE DEVELOPMENT FOR
NORTH SHORE BANK
CITY OF DE PERE
BROWN COUNTY, WISCONSIN

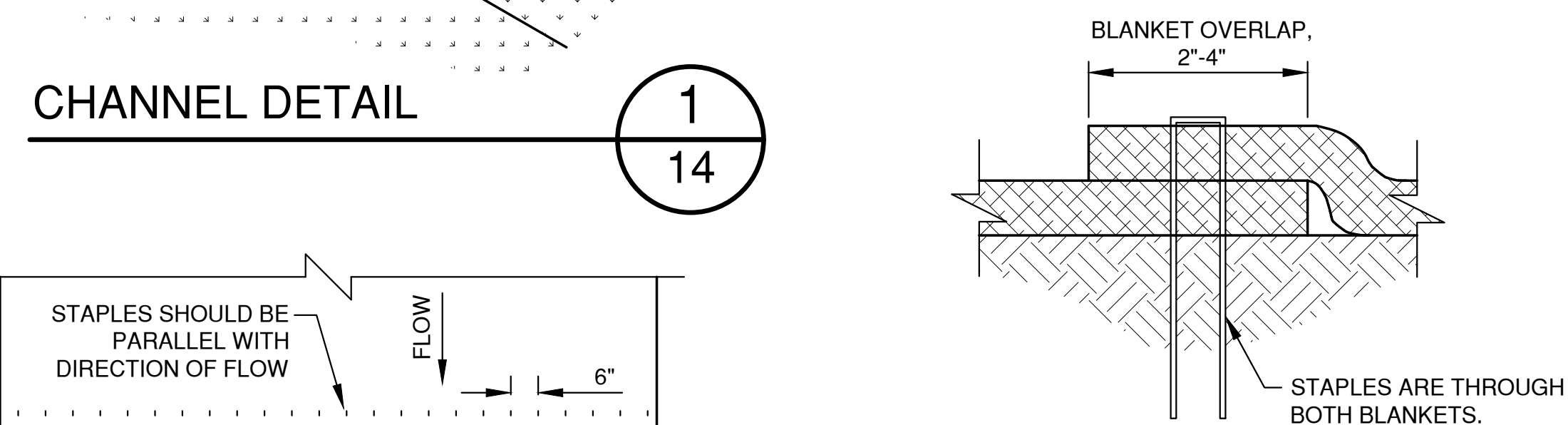
EROSION CONTROL
EROSION MAT
SLOPE APPLICATION DETAILS

DATE	06/2023
FILE	EROSION CONTROL
JOB NO.	42659012


REL Robert E. Lee & Associates, Inc.
1250 Centennial Centre Blvd | Hobart, WI | 920-662-9641 | releinc.com



1. SEE MANUFACTURER SLOPE APPLICATION DETAIL SHEET FOR PROPER SLOPE INSTALLATION.
2. STAPLE PATTERNS ARE DEPENDENT ON SITE CONDITIONS. SEE MANUFACTURER STAPLE PATTERN GUIDE FOR DETAILS.


$$\frac{1}{14}$$
$$\frac{4}{14}$$
$$\frac{6}{14}$$

$$\frac{5}{14}$$
$$\frac{7}{14}$$
$$\frac{8}{14}$$
$$\frac{9}{14}$$

NO.	DATE	APPROV.	REVISION	NO.	DATE	APPROV.	REVISION	DRAWN	820 MAIN AVE SITE DEVELOPMENT FOR NORTH SHORE BANK CITY OF DE PERE BROWN COUNTY, WISCONSIN	EROSION CONTROL EROSION MAT CHANNEL APPLICATION DETAILS	DATE	 Robert E. Lee & Associates, Inc. <u>INC.</u> 1250 Centennial Centre Blvd Hobart, WI 920-662-9641 releinc.com	SHEET NO.	
1	02/23/2024	AJB	CONSTRUCTION PLAN SET					CHECKED			06/2023		FILE	14
								AJB			EROSION CONTROL			
								DESIGNED WEL			JOB NO. 060102			

- DO NOT SCALE FROM DRAWINGS. BRING ANY DISCREPANCIES TO THE ARCHITECTS ATTENTION IMMEDIATELY.
- COORDINATE LOCATIONS AND QUANTITY OF WORK WITH MECHANICAL, ELECTRICAL, AND PLUMBING CONTRACTORS.
 - ALL DIMENSIONS ARE CLEAR FROM THE FACE OF FINISHED WALL/PARTITION TO FACE OF FINISHED WALL/PARTITION OR FACE OF EXISTING WALLS ACTUAL FACE.
 - ALL PIPING, CONDUIT AND RELATED MECHANICAL AND ELECTRICAL ITEMS SHALL BE CONCEALED WITHIN GYPSUM BOARD. FURRING AS REQUIRED IN FINISHED AREAS WHETHER SHOWN ON DRAWINGS OR NOT, UNLESS NOTED OTHERWISE.
- PROVIDE METAL PLATE BACKING AND/OR TREATED WOOD BLOCKING IN WALLS WHERE WALL-MOUNTED EQUIPMENT IS SHOWN ON PLANS OR ELEVATIONS. VERIFY HEIGHT AND LENGTH WITH EXISTING EQUIPMENT.
- SEE SHEET A011 & A012 FOR LIFE SAFETY PLAN AND FIRE PARTITION DIVISION.
- SHADED AREA INDICATES BUILDING ADDITION AND RENOVATION AREAS.
- CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS BEFORE CONSTRUCTION.



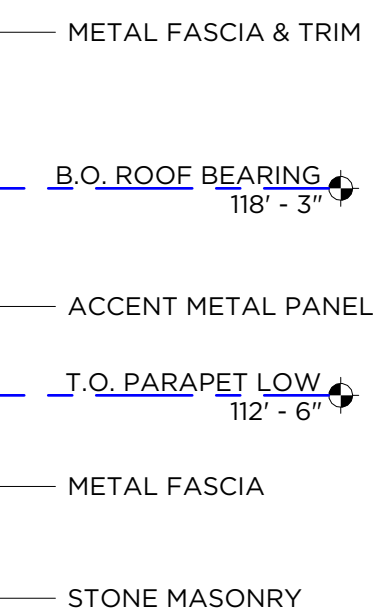
820 MAIN AVENUE, DE PERE, WI 54115

[illegible]

Project #: 23-05-01-007
Date: NOVEMBER 8, 2023
Drawn by: J. RASMUSSEN
Checked by: I. WILSON

EXTERIOR ELEVATIONS

12/29/2023 8:54:25 AM


$$3/16'' = 1'-0''$$

$$3/16'' = 1'-0''$$

$$\frac{3}{16}'' = 1'-0''$$

$$\frac{3}{16}'' = 1'-0'$$

820 MAIN AVENUE, DE PERE, WI 54115



PRELIMINARY NOT FOR CONSTRUCTION

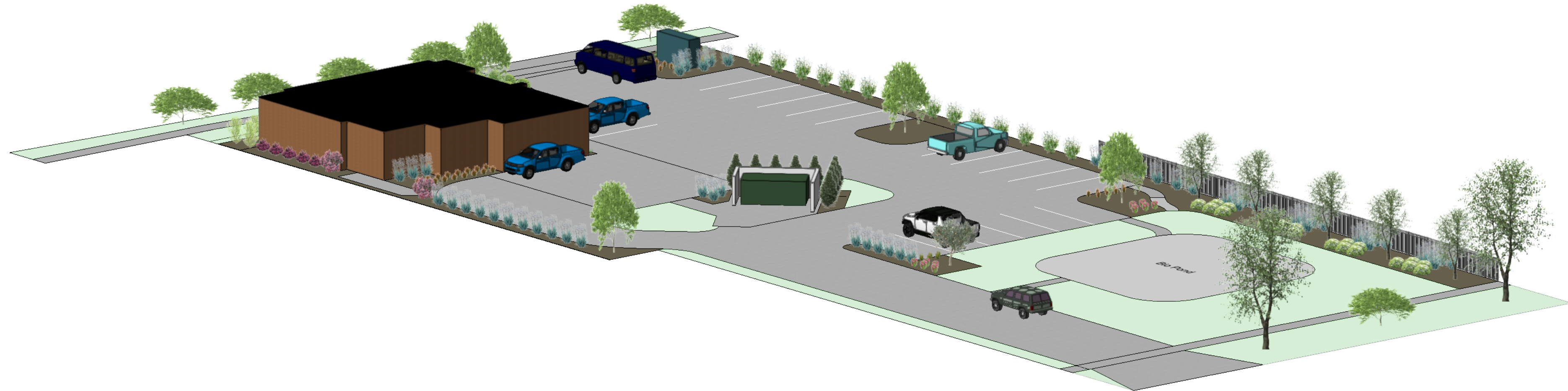
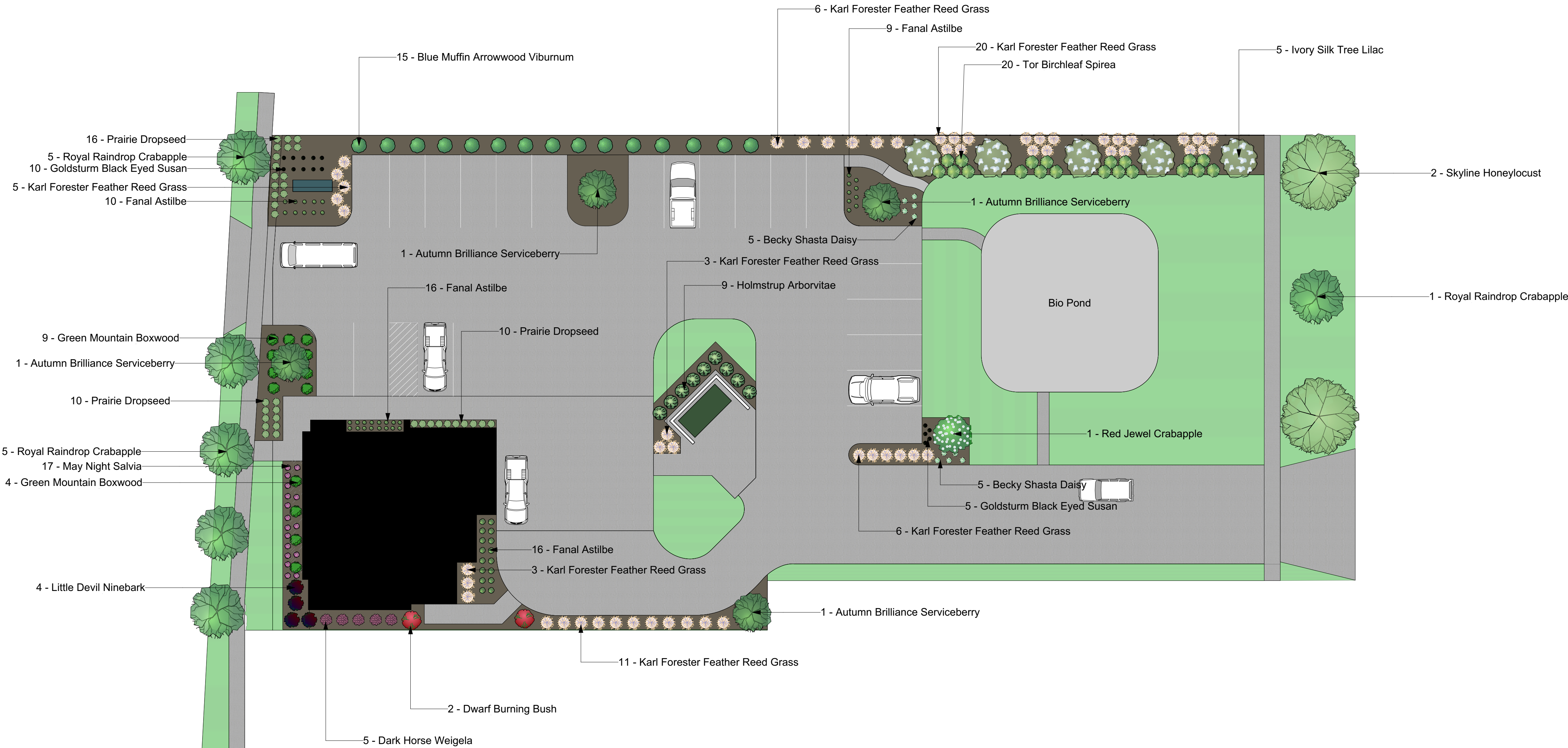
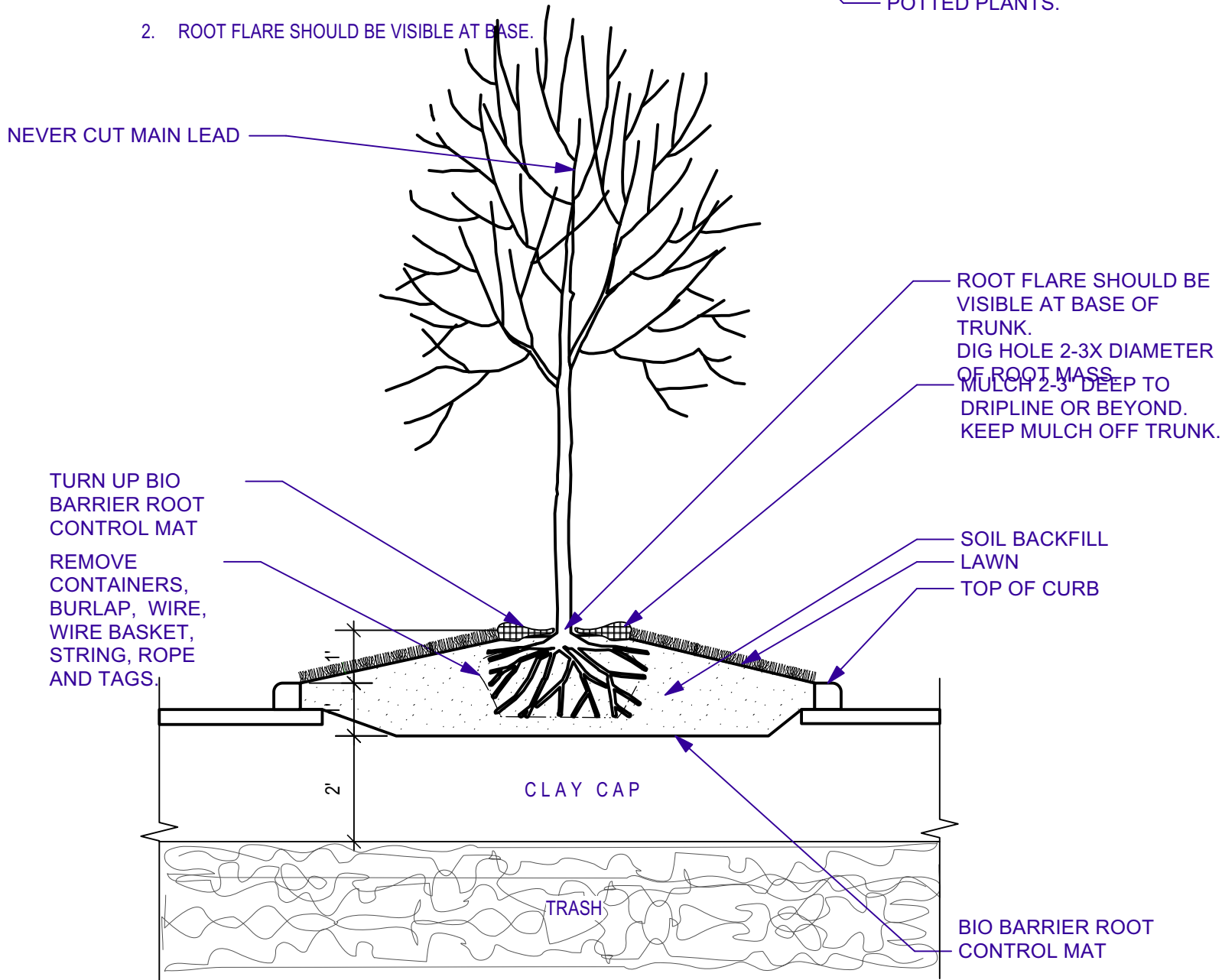
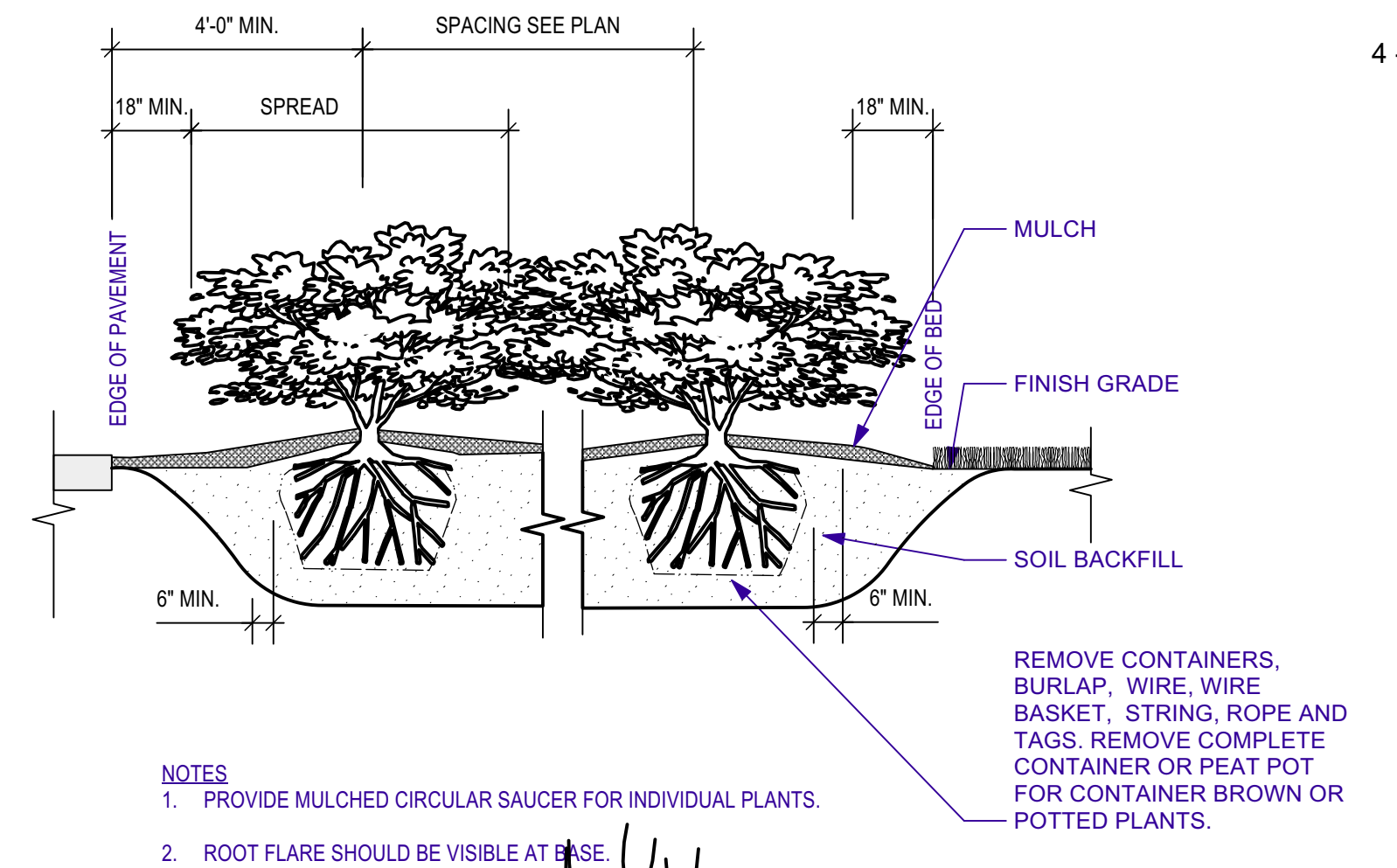
[illegible]

Project #: 23-05-01-007
Date: NOVEMBER 8, 2023
Drawn by: J. RASMUSSEN
Checked by: I. WILSON

RENDERINGS

Planting Schedule

Quantity	Common Name	Size at Planting
Shade and Ornamental Trees		
3	Autumn Brilliance Serviceberry	7" Multi-stem
5	Ivory Silk Lilac	1.75"
2	Skyline Honeylocust	2.5"
6	Royal Raindrops Crabapple	2"
Evergreens		
9	Holmstrup Arborvitae	5'
13	Green Velvet Boxwood	3 gal
Shrubs		
4	Little Devil Ninebark	3 gal
20	Tor Birch-leaf Spirea	3 gal
2	Dwarf Burning Bush	3 gal
15	Blue Muffin Viburnum	3 gal
5	Dark Horse Weigela	3 gal
Perennials		
51	Fanal Astilbe	1 gal
36	Prairie Dropseed	1 gal
17	Maynight Salvia	1 gal
54	Karl Forester Feather Reed Grass	1 gal
10	Shasta Daisy	1 gal
15	Blackeyed Susan	1 gal



Lizer Landscape & Nursery
2034 Bellevue Street
Green Bay, WI 54313
920-468-1813

Revisions

No.	Date	Description

Master

Designed By	Date	Company	Project ID	Drawing Code	GAC File Name	Plot Date
	12/6/2023		North Shore Bank			

Scale: 1/8" = 1'

Sheet No. 1 of 2

Chesterfield



Chesterfield Smooth Finish in Almond and Natural Clay



TBD

Chesterfield Smooth Finish



Heights: 4', 5' & 6'

Picket Style: 7/8" x 7" Tongue & Groove
Steel Reinforced Bottom Rail
Steel Reinforced Top Rail for Natural Clay
(4' not available in Natural Clay)
(Gray only available for 6' height)

North Shore Bank Signage Plan

West De Pere

Building

- One illuminated wall sign on South elevation facing Main Ave.
 - o Size: not to exceed 72 square feet based on 1.5 square feet per lineal frontage of building

Monuments

- One illuminated (backlit) monument sign with EMS along Main Ave.
 - o Overall size: not to exceed 50 square feet
 - o EMS size: not to exceed 15 square feet
 - o Overall Height: not to exceed 6'
 - o Base Height: minimum 18"
 - o Setback: minimum 5'
- One illuminated (backlit) monument sign along Oak St.
 - o Overall size: not to exceed 50 square feet
 - o Overall Height: not to exceed 6'
 - o Base Height: minimum 18"
 - o Setback: minimum 5'

Directionals

- Three non-lit directional signs located throughout the property
 - o Not to exceed 6 square feet each
 - o Not to exceed 4' overall height

ILLUMINATED MONUMENT SIGN



DESIGN FILE: 010824 MONUMENT WITH EMC



2070 HOLMGREN WAY GREEN BAY, WI 54304
(920) 494-7161 FAX(920) 494-8720

LAYOUT

☐ APPROVED ☐ CHANGES

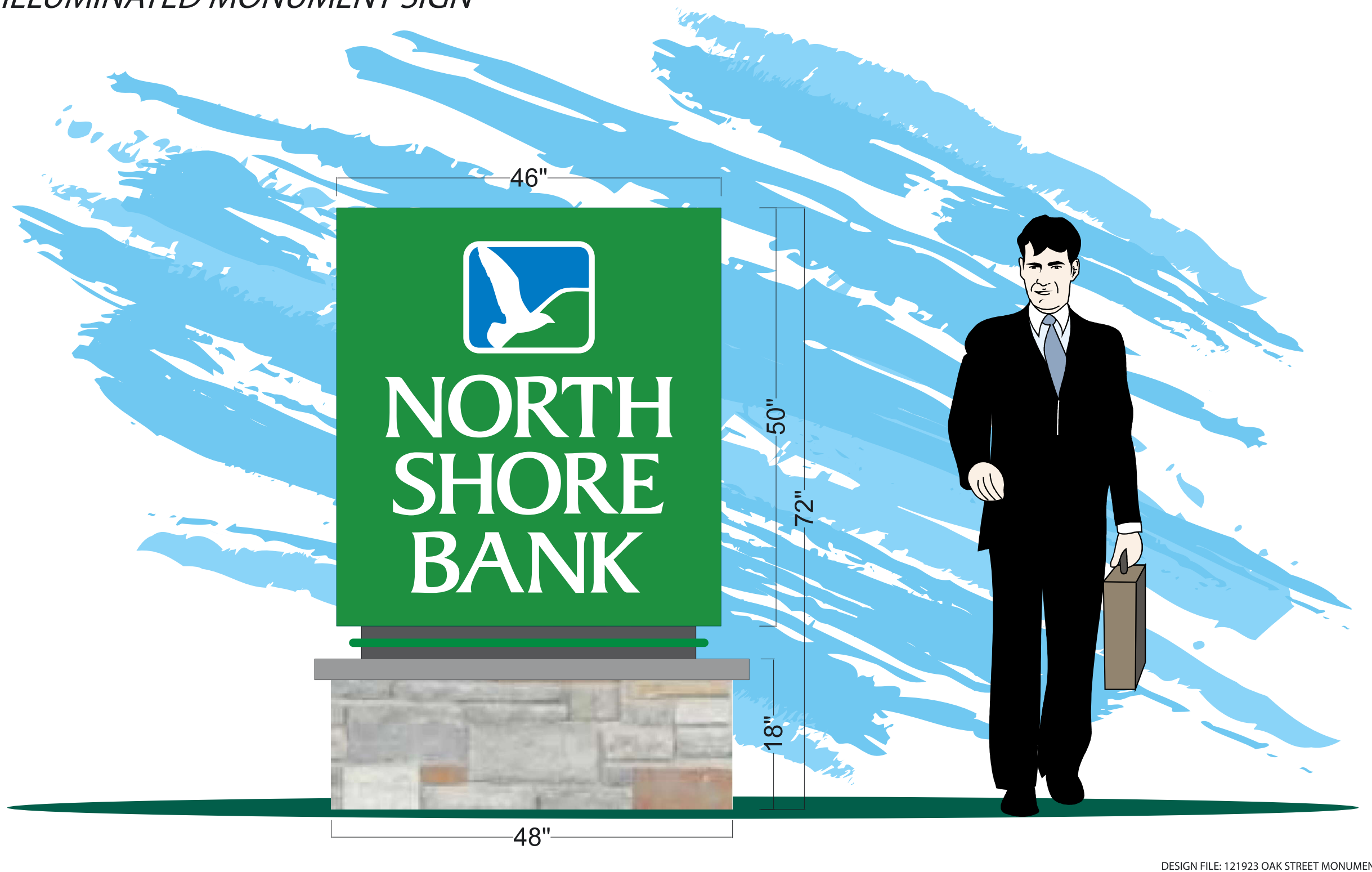
SIGNED BY: _____ DATE: _____

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NO DUPLICATION ALLOWED
WITHOUT PERMISSION

SALESPERSON

ROBERT OTT

ILLUMINATED MONUMENT SIGN



DESIGN FILE: 121923 OAK STREET MONUMENT



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(920) 494-7161 FAX(920) 494-8720

LAYOUT

☐ APPROVED ☐ CHANGES

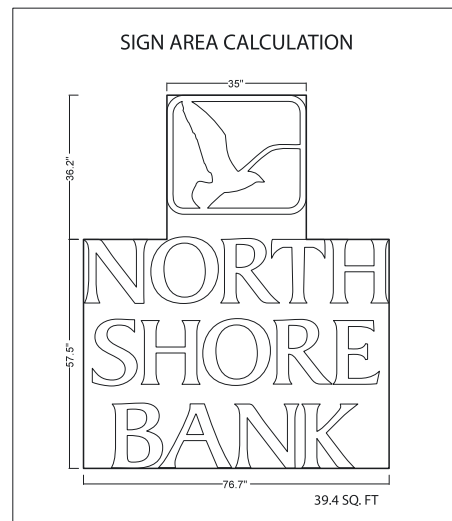
SIGNED BY: _____ DATE: _____

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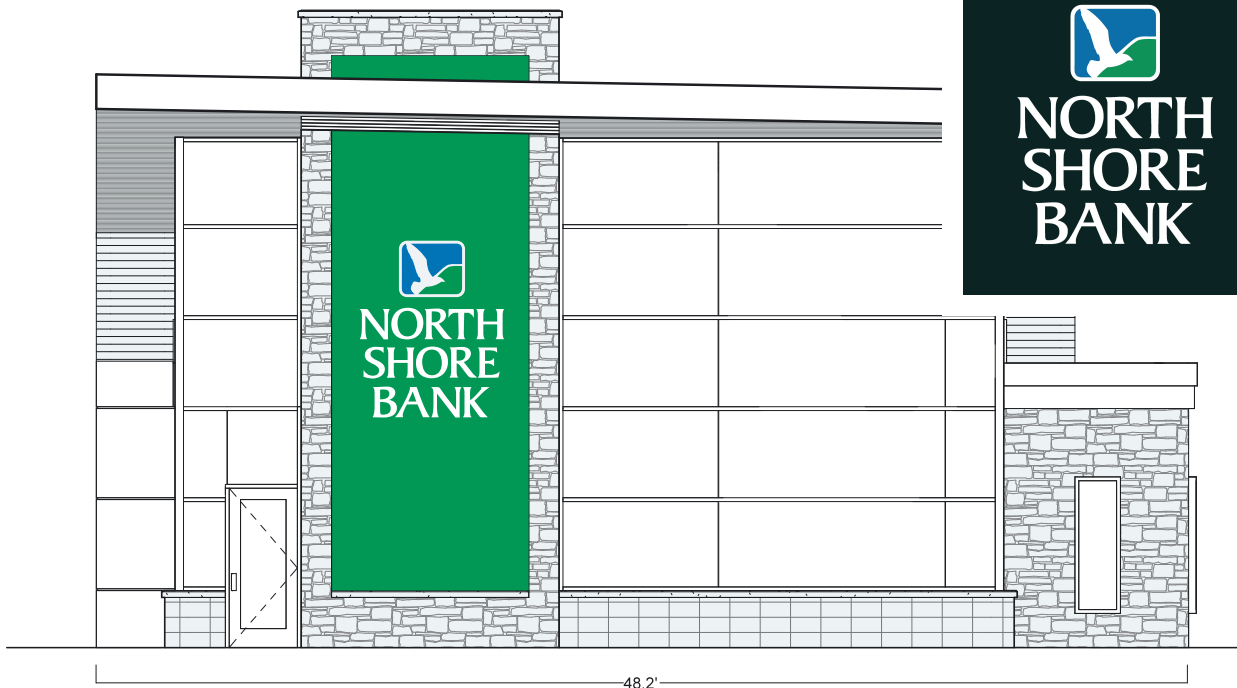
SALESPERSON

ROBERT OTT

ILLUMINATED CHANNEL LETTERS



NIGHT VIEW



DESIGN FILE: 122023 SOUTH ELEVATION LETTERSET



2070 HOLMGREN WAY GREEN BAY, WI 54304
(920) 494-7161 FAX(920) 494-8720

LAYOUT

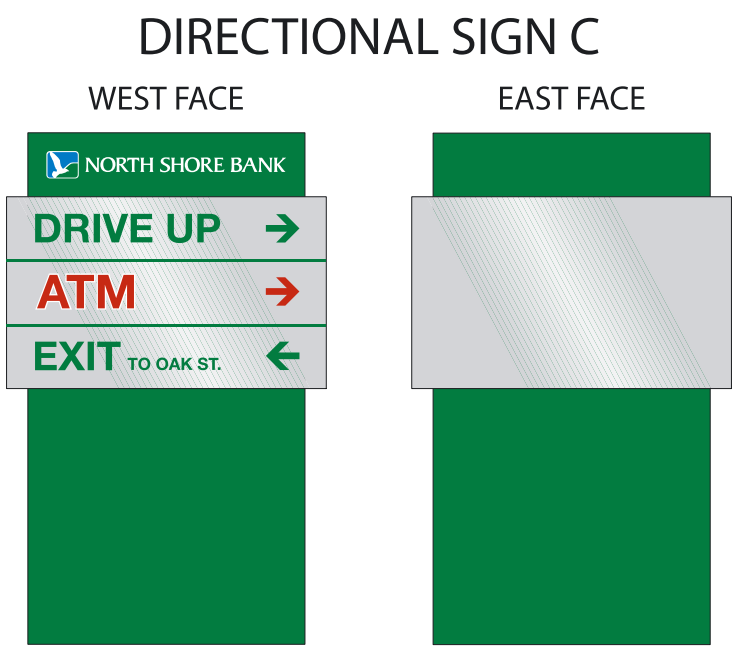
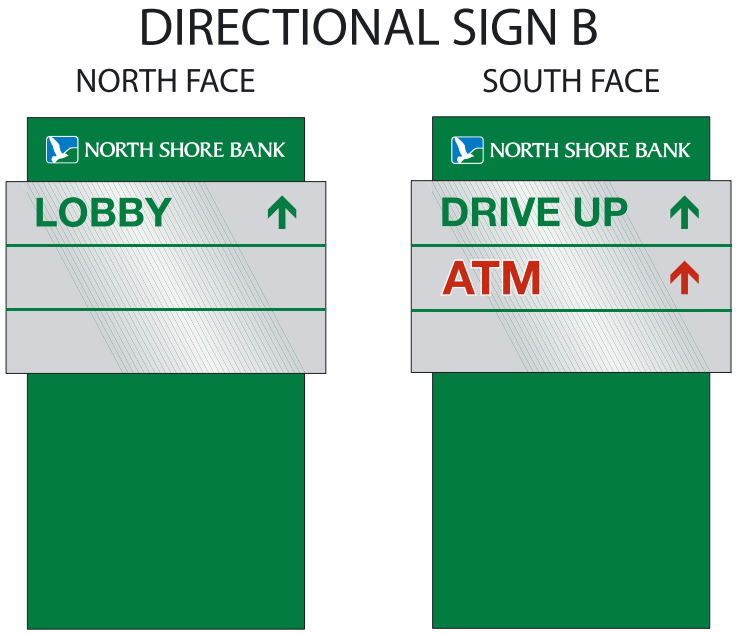
☐ APPROVED ☐ CHANGES

SIGNED BY: _____ DATE: _____

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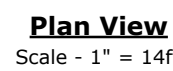
SALESPERSON

ROBERT OTT



DESIGN FILE: 121923 DIRECTIONAL SIGNS

Note
Mounting Height = 18' AFG
(15' Pole + 3' Base)
Fixtures have a 0° tilt
FC measured at 0' AFG



VIPER Area/Site

VIPER LUMINAIRE

MICROSTRIKE | STRIKE OPTICS

FEATURES

- Low profile LED area/site luminaire with a variety of IES distributions for lighting applications such as auto dealership, retail, commercial, and campus parking lots
- Featuring two different optical technologies, Strike and Micro Strike Optics, which provide the best distribution patterns for retrofit or new construction
- Rated for high vibration applications including bridges and overpasses. All sizes are rated for 1.5G
- Control options including photo control, occupancy sensing, NX Lighting Controls™, wiSCAPE and 7-Pin with networked controls
- New customizable lumen output feature allows for the wattage and lumen output to be customized in the factory to meet whatever specification requirements may entail
- Field interchangeable mounting provides additional flexibility after the fixture has shipped



CONTROL TECHNOLOGY



SPECIFICATIONS

CONSTRUCTION

- Die-cast housing with hidden vertical heat fins are optimal for heat dissipation while keeping a clean smooth outer surface
- Corrosion resistant, die-cast aluminum housing with 1000 hour powder coat paint finish
- External hardware is corrosion resistant

OPTICS

- Micro Strike Optics (160, 320, 480, or 720 LED counts) maximize uniformity in applications and come standard with mid-power LEDs which evenly illuminate the entire luminous surface area to provide a low glare appearance. Catalog logic found on page 2
- Strike Optics (36, 72, 108, or 162 LED counts) provide best in class distributions and maximum pole spacing in new applications with high powered LEDs. Strike optics are held in place with a polycarbonate bezel to mimic the appearance of the Micro Strike Optics so both solutions can be combined on the same application. Catalog logic found on page 3
- Both optics maximize target zone illumination with minimal losses at the house-side, reducing light trespass issues. Additional backlight control shields and house side shields can be added for further reduction of illumination behind the pole
- One-piece silicone gasket ensures a weatherproof seal
- Zero up-light at 0 degrees of tilt
- Field rotatable optics

INSTALLATION

- Mounting patterns for each arm can be found on page 11
- Optional universal mounting block for ease of installation during retrofit applications. Available as an option (ASQU) or accessory for square and round poles
- All mounting hardware included

INSTALLATION (CONTINUED)

- Knuckle arm fitter option available for 2-3/8" OD tenon
- For products with EPA less than 1 mounted to a pole greater than 20ft, a vibration damper is recommended

ELECTRICAL

- Universal 120-277 VAC or 347-480 VAC input voltage, 50/60 Hz
- Ambient operating temperature -40°C to 40°C
- Drivers have greater than 90% power factor and less than 20% THD
- LED drivers have output power over-voltage, over-current protection and short circuit protection with auto recovery
- Field replaceable surge protection device provides 20kA protection meeting ANSI/IEEE C62.41.2 Category C High and Surge Location Category C3; Automatically takes fixture off-line for protection when device is compromised
- Dual Driver option provides 2 drivers within luminaire but only one set of leads exiting the luminaire, where Dual Power Feed provides two drivers which can be wired independently as two sets of leads are extended from the luminaire. Both options cannot be combined

CONTROLS

- Photo control, occupancy sensor programmable controls, and Zigbee wireless controls available for complete on/off and dimming control
- Please consult brand or sales representative when combining control and electrical options as some combinations may not operate as anticipated depending on your application
- 7-pin ANSI C136.41-2013 photocontrol receptacle option available for twist lock photocontrols or wireless control modules (control accessories sold separately)



10-DAY QUICK SHIP PROGRAM



CONTROLS (CONTINUED)

- 0-10V Dimming Drivers are standard and dimming leads are extended out of the luminaire unless control options require connection to the dimming leads. Must specify if wiring leads are to be greater than the 6" standard
- NX Lighting Controls™ available with in fixture wireless control module, features dimming and occupancy sensor
- wiSCAPE® available with in fixture wireless control module, features dimming and occupancy sensor. Also available in 7-pin configuration

CERTIFICATIONS

- DLC® (DesignLights Consortium Qualified), with some Premium Qualified configurations. Not all product variations listed in this document are DLC® qualified. Refer to <http://www.designlights.org> for the most up-to-date list.
- Listed to UL1598 and CSA C22.2#250.0-24 for wet locations and 40°C ambient temperatures
- 1.5 G rated for ANSI C136.31 high vibration applications
- Fixture is IP65 rated
- Meets IDA recommendations using 3K CCT configuration at 0 degrees of tilt
- This product qualifies as a "designated country construction material" per FAR 52.225-11 Buy American-Construction Materials under Trade Agreements effective 04/23/2020.

WARRANTY

- 5 year warranty

KEY DATA	
Lumen Range	5,000–80,000
Wattage Range	36–600
Efficacy Range (LPW)	92–155
Weight lbs. (kg)	13.7-30.9 (6.2-13.9)

VIPER Area/Site

VIPER LUMINAIRE

MICROSTRIKE OPTICS – ORDERING GUIDE

DATE: _____ LOCATION: _____

TYPE: _____ PROJECT: _____

CATALOG #: _____

 = Service Program
 Limit of 15 luminaires

Example: VP-2-320L-145-3K7-2-R-UNV-A3-BLT

CATALOG #

VP	Series	Optic Platform	Size	Light Engine	CCT/CRI	Distribution	Optic Rotation	Voltage
VP	Viper	Micro Strike	1 Size 1	160L-35 ⁶ 5500 lumens 160L-50 ⁶ 7500 lumens 160L-75 10000 lumens 160L-100 12500 lumens 160L-115 15000 lumens 160L-135 18000 lumens 160L-160 21000 lumens 320L-145 21000 lumens 320L-170 24000 lumens 320L-185 27000 lumens 320L-210 30000 lumens 320L-235 33000 lumens 320L-255 36000 lumens 320L-315 ⁶ 40000 lumens 480L-285 40000 lumens 480L-320 44000 lumens 480L-340 48000 lumens 480L-390 52000 lumens 480L-425 55000 lumens 480L-470 60000 lumens 720L-435 60000 lumens 720L-475 65000 lumens 720L-515 70000 lumens 720L-565 ⁶ 75000 lumens 720L-600 ⁶ 80000 lumens CLO Custom Lumen Output ¹	AP AP-Amber Phosphor Converted 27K8 2700K, 80 CRI 3K7 3000K, 70 CRI 3K8 3000K, 80 CRI 35K8 3500K, 80 CRI 3K9 3000K, 90 CRI 4K7 4000K, 70 CRI 4K8 4000K, 80 CRI 4K9 4000K, 90 CRI 5K7 5000K, 70 CRI 5K8 5000K, 80 CRI	2 Type 2 3 Type 3 4F Type 4 Forward 4W Type 4 Wide 5QW Type 5 Square Wide	BLANK No Rotation L Optic rotation left R Optic rotation right	UNV 120-277V 120 120V 208 208V 240 240V 277 277V 347 347V 480 480V
			2 Size 2					
			3 Size 3					
			4 Size 4					

Mounting	Color	Options	Network Control Options
A Arm mount for square pole/flat surface (B3 Drill Pattern) (Does not include round pole adapter) A_ Arm mount for round pole ² ASQU Universal arm mount for square pole. Can be used with B3 or S2 Drill Pattern A_U Universal arm mount for round pole ² AAU Adjustable arm for pole mounting (universal drill pattern) AA_U Adjustable arm mount for round pole ² ADU Decorative upswept Arm (universal drill pattern) AD_U Decorative upswept arm mount for round pole ² MAF Mast arm fitter for 2-3/8" OD horizontal arm K Knuckle T Trunnion WB Wall Bracket, horizontal tenon with MAF WM Wall mount bracket with decorative upswept arm WA Wall mount bracket with adjustable arm	BLT Black Matte Textured BLS Black Gloss Smooth DBT Dark Bronze Matte Textured DBS Dark Bronze Gloss Smooth GTT Graphite Matte Textured LGS Light Grey Gloss Smooth LGT Light Grey Gloss Textured PSS Platinum Silver Smooth WHT White Matte Textured WHS White Gloss Smooth VGT Verde Green Textured Color Option CC Custom Color	F Fusing 2PF Dual Power Feed 2DR Dual Driver TE Toolless Entry BC Backlight Control ⁸ TB Terminal Block	NXWS16F NX Networked Wireless Enabled Integral NXSMP2-LMO PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth Programming ^{1,3,4} NXWS40F NX Networked Wireless Enabled Integral NXSMP2-HMO PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth Programming ^{1,3,4} NXW NX Networked Wireless Radio Module NXRM2 and Bluetooth Programming, without Sensor ^{3,4} WIR wiSCAPE® In-Fixture Module ^{3,4} WIRSC wiSCAPE® Module and Occupancy Sensor ^{3,4} Stand Alone Sensors BTS-14F Bluetooth® Programmable, BTSMP-LMO PIR Occupancy Sensor with Automatic Dimming Photocell and 360° Lens ⁹ BTS-40F Bluetooth® Programmable, BTSMP-HMO PIR Occupancy Sensor with Automatic Dimming Photocell and 360° Lens ⁹ BTSO-12F Bluetooth® Programmable, BTSMP-OMNI-O PIR Occupancy Sensor with Automatic Dimming Photocell and 360° Lens ⁹ 7PR 7-Pin Receptacle ⁴ 7PR-SC 7-Pin Receptacle with shorting cap ⁴ 3PR 3-Pin twist lock ⁴ 3PR-SC 3-Pin receptacle with shorting cap ⁴ 3PR-TL 3-Pin PCR with photocontrol ⁴ Programmed Controls SCP_F Sensor Control Programmable, 8F or 40F ¹⁰ ADD AutoDim Timer Based Dimming ⁴ ADT AutoDim Time of Day Dimming ⁴ Photocontrols PC Button Photocontrol ^{4,7}

1 – Items with a grey background can be done as a custom order. Contact brand representative for more information

2 – Replace “_” with “2” for 2.5”-3.4” OD pole, “3” for 3.5”-4.13” OD pole, “4” for 4.18”-5.25” OD pole, “5” for 5.5”-6.5” OD pole

3 – Networked Controls cannot be combined with other control options

4 – Not available with 2PF option

5 – Not available with Dual Driver option

6 – Some voltage restrictions may apply when combined with controls

7 – Not available with 480V

8 – BC not available on 4F and type 5 distributions

9 – BTS and BTSO are only available on Size 3 and Size 4

10 – At least one SCPREMOTE required to program SCP motion sensor. Must select 8ft or 40ft.



VIPER Area/Site

VIPER LUMINAIRE

DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	

STRIKE OPTIC – ORDERING GUIDE

Example: VP-ST-1-36L-39-3K7-2-UNV-A-BLT

CATALOG #

VP							
Series	Optic Platform	Size	Light Engine	CCT/CRI	Distribution	Optic Rotation	Voltage
VP Viper	ST Strike	1 Size 1	36L-39 ⁸ 5500 lumens 36L-55 ⁸ 7500 lumens 36L-85 10000 lumens 36L-105 12500 lumens 36L-120 14000 lumens	AM monochromatic amber, 595nm	FR Auto Front Row	BLANK No Rotation	UNV 120- 277V
		2 Size 2	72L-115 15000 lumens 72L-145 18000 lumens 72L-180 21000 lumens 72L-210 24000 lumens 72L-240 27000 lumens	27K8 2700K, 80 CRI 3K7 3000K, 70 CRI 3K8 3000K, 80 CRI 3K9 3000K, 90 CRI 35K8 3500K, 80 CRI 4K7 4000K, 70 CRI 4K8 4000K, 80 CRI 4K9 4000K, 90 CRI	2 Type 2 3 Type 3 4F Type 4 Forward 4W Type 4 Wide 5QN Type 5 Square Narrow 5QW Type 5 Square Wide	L Optic rotation left R Optic rotation right	120 120V 208 208V 240 240V 277 277V 347 347V 480 480V
		3 Size 3	108L-215 ⁸ 27000 lumens 108L-250 30000 lumens 108L-280 33000 lumens 108L-325 36000 lumens 108L-365 40000 lumens	5K7 5000K, 70 CRI 5K8 5000K, 80 CRI	5QM Type 5 Square Medium 5W Type 5 Wide (Round) 5RW Type 5 Rectangular		
		4 Size 4	162L-320 40000 lumens 162L-365 ¹⁰ 44000 lumens 162L-405 48000 lumens 162L-445 52000 lumens 162L-485 55000 lumens 162L-545 ⁸ 60000 lumens		C Corner Optic TC Tennis Court Optic		
			CLO Custom Lumen Output ¹				

Mounting	Color	Options	Network Control Options
A Arm mount for square pole/flat surface A_ Arm mount for round pole ³ ASQU Universal arm mount for square pole A_U Universal arm mount for round pole ³ AAU Adjustable arm for pole mounting (universal drill pattern) AA_U Adjustable arm mount for round pole ³ ADU Decorative upswept Arm (universal drill pattern) AD_U Decorative upswept arm mount for round pole ³ MAF Mast arm fitter for 2-3/8" OD horizontal arm K Knuckle T Trunnion WB Wall Bracket, horizontal tenon with MAF WM Wall mount bracket with decorative upswept arm WA Wall mount bracket with adjustable arm	BLT Black Matte Textured BLS Black Gloss Smooth DBT Dark Bronze Matte Textured DBS Dark Bronze Gloss Smooth GTT Graphite Matte Textured LGS Light Grey Gloss Smooth LGT Light Grey Gloss Textured PSS Platinum Silver Smooth WHT White Matte Textured WHS White Gloss Smooth VGT Verde Green Textured Color Option CC Custom Color	F Fusing E Battery Backup ^{1,2,7,8,9} 2PF Dual Power Feed 2DR Dual Driver TE Tooless Entry BC Backlight Control TB Terminal Block	NXWS16F NX Networked Wireless Enabled Integral NXSMP2-LMO PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth Programming ^{1,3,4} NXWS40F NX Networked Wireless Enabled Integral NXSMP2-HMO PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth Programming ^{1,3,4} NXW NX Networked Wireless Radio Module NXRM2 and Bluetooth Programming, without Sensor ^{3,4} WIR wiSCAPE® In-Fixture Module ^{3,4} WIRSC wiSCAPE® Module and Occupancy Sensor ^{3,4} Stand Alone Sensors BTS-14F Bluetooth® Programmable, BTSMP-LMO PIR Occupancy Sensor with Automatic Dimming Photocell and 360° Lens ¹¹ BTS-40F Bluetooth® Programmable, BTSMP-HMO PIR Occupancy Sensor with Automatic Dimming® Photocell and 360° Lens ¹¹ BTSO-12F Bluetooth® Programmable, BTSMP-OMNI-O PIR Occupancy Sensor with Automatic Dimming Photocell and 360° Lens ¹¹ 7PR 7-Pin Receptacle ⁴ 7PR-SC 7-Pin Receptacle with shorting cap ⁴ 3PR 3-Pin twist lock ⁴ 3PR-SC 3-Pin receptacle with shorting cap ⁴ 3PR-TL 3-Pin PCR with photocontrol ⁴ Programmed Controls SCP_F Sensor Control Programmable, 8F or 40F ¹² ADD AutoDim Timer Based Dimming ⁴ ADT AutoDim Time of Day Dimming ⁴ Photocontrols PC Button Photocontrol ^{4,7}

1 – Items with a grey background can be done as a custom order. Contact brand representative for more information

2 – Battery temperature rating -20C to 55C

3 – Replace “_” with “3” for 3.5”-4.13” OD pole, “4” for 4.18”-5.25” OD pole,
“5” for 5.5”-6.5” OD pole

4 – Networked Controls cannot be combined with other control options

5 – Not available with 2PF option

6 – Not available with 480V

7 – Not available with 347 or 480V

8 – Not available with Dual Driver option

9 – Only available in Size 1 housing, up to 105 Watts

10 – Some voltage restrictions may apply when combined with controls

11 – BTS and BTSO are only available on Size 3 and Size 4

12 – At least one SCPREMOTE required to program SCP motion sensor. Must select 8ft or 40ft.



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without notice. All values are design or typical values when measured under laboratory conditions.

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VIPER Area/Site

VIPER LUMINAIRE

ORDERING GUIDE (CONTINUED)

CATALOG #

Accessory Type	Size	Option	Color	Current Control Solutions — Accessories (Sold Separately)
SHD Shield	1 Size 1 2 Size 2 3 Size 3 4 Size 4	HSS-90-B House Side Shield 90° Back HSS-90-F House Side Shield 90° Front HSS-90-S House Side Shield 90° Side HSS-270-BSS House Side Shield 270° Back/Side/Side HSS-270-FSS House Side Shield 270° Front/Side/Side HSS-270-FSB House Side Shield 270° Front/Side/Back HSS-360 House Side Shield 360° BC Back Light Control	BLS Black Gloss Smooth BLT Black Matte Textured DBS Dark Bronze Gloss Smooth DBT Dark Bronze Matte Textured GTT Graphite Matte Textured LGS Light Gray Gloss Smooth PSS Platinum Silver Smooth WHS White Gloss Smooth WHT White Matte Textured VGT Green Landscape Decorative LEG Legacy Colors	NX Lighting Controls <input type="checkbox"/> NXOFM-1R1D-UNV On-fixture Module (7-pin), On / Off / Dim, Daylight Sensor with NX Radio and Bluetooth® Radio, 120–480VAC wiSCAPE® Lighting Control <input type="checkbox"/> WIR-RME-L On-fixture Module (7-pin or 5-pin), On / Off / Dim, Daylight Sensor with wiSCAPE Radio, 110–480VAC <input type="checkbox"/> SCP-REMOTE Remote Control for SCP/_F option. Order at least one per project to program and control the occupancy sensor For additional information related to these accessories please visit currentlighting.com/beacon . Options provided for use with integrated sensor, please view specification sheet ordering information table for details.
MTG Mounting		A Arm Mount for square pole/flat surface ASQU Universal Arm Mount for square pole AAU Adjustable Arm for pole mounting ADU Decorative upswept Arm RPA Round Pole Adapter MAF Mast Arm Fitter for 2-3/8" OD horizontal arm K Knuckle T Trunnion WB Wall Bracket (compatible with universal arm mounts)	Color Option CC Custom Color	
MSC Miscellaneous		BIRD SPK Bird Spike		

CONTROLS

Control Option	Sensor	Networkable	Scheduling	Occupancy	Daylight Harvesting	On/Off Control	Programming	Pair with Sensor	Sensor Mounting Height
NXW	—	✓	✓	—	—	✓	✓	—	—
NXWS_F	NXSMP2	✓	✓	✓	✓	✓	✓	—	16ft, 40ft
BTSO12F	BTSMP-OMNI-O	—	—	✓	✓	✓	Bluetooth	—	12ft
BTS_F	BTSMP	—	—	✓	✓	✓	Bluetooth	—	14ft, 40ft
SCP_F	—	—	—	✓	—	✓	✓	—	—
ADD	—	—	✓	—	—	✓	—	✓	—
ADT	—	—	✓	—	—	✓	—	✓	—
7PR	—	Paired with external control	Paired with external control	—	Paired with external control	Paired with external control	—	✓	—
7PR-SC	—	—	—	—	—	—	—	✓	—
3PR	—	—	—	—	—	Paired with external control	—	✓	—
3PR-SC	—	—	—	—	—	—	—	✓	—
3PR-TL	—	—	—	—	✓	✓	—	✓	—
WIR	—	✓	✓	—	✓	✓	Gateway	—	—
WIRSC	BTSMP	✓	✓	✓	✓	✓	Gateway	—	14ft, 40ft

VIPER Area/Site

VIPER LUMINAIRE

DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	

DELIVERED LUMENS

For delivered lumens, please see Lumens Data PDF on www.Currentlighting.com

PROJECTED LUMEN MAINTENANCE

Ambient Temp.	0	25,000	*TM-21-11 36,000	50,000	100,000	Calculated L ₇₀ (Hours)
25°C / 77°F	1.00	0.97	0.96	0.95	0.91	408,000
40°C / 104°F	0.99	0.96	0.95	0.94	0.89	356,000

LUMINAIRE AMBIENT TEMPERATURE FACTOR (LATF)

Ambient Temperature		Lumen Multiplier
0°C	32°F	1.03
10°C	50°F	1.01
20°C	68°F	1.00
25°C	77°F	1.00
30°C	86°F	0.99
40°C	104°F	0.98

Micro Strike Lumen Multiplier			
CCT	70 CRI	80 CRI	90 CRI
2700K	—	0.841	—
3000K	0.977	0.861	0.647
3500K	—	0.900	—
4000K	1	0.926	0.699
5000K	1	0.937	0.791
Monochromatic Amber Multiplier			
Amber	0.250		

Strike Lumen Multiplier			
CCT	70 CRI	80 CRI	90 CRI
2700K	0.9	0.81	0.62
3000K	0.933	0.853	0.659
3500K	0.959	0.894	0.711
4000K	1	0.9	0.732
5000K	1	0.9	0.732
Monochromatic Amber Multiplier			
Amber	0.255		

VIPER Area/Site

VIPER LUMINAIRE

DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	

ELECTRICAL DATA: MICRO STRIKE

# OF LEDS	160						
NOMINAL WATTAGE	35	50	75	100	115	135	160
SYSTEM POWER (W)	34.9	50.5	72.1	97.2	111.9	132.2	157.8
INPUT VOLTAGE (V)	CURRENT (Amps)						
120	0.29	0.42	0.63	0.83	0.96	1.13	1.33
208	0.17	0.24	0.36	0.48	0.55	0.65	0.77
240	0.15	0.21	0.31	0.42	0.48	0.56	0.67
277	0.13	0.18	0.27	0.36	0.42	0.49	0.58
347	0.10	0.14	0.22	0.29	0.33	0.39	0.46
480	0.07	0.10	0.16	0.21	0.24	0.28	0.33

# OF LEDS	320						
NOMINAL WATTAGE	145	170	185	210	235	255	315
SYSTEM POWER (W)	150	166.8	185.7	216.2	240.9	261.5	312
INPUT VOLTAGE (V)	CURRENT (Amps)						
120	1.21	1.42	1.54	1.75	1.96	2.13	2.63
208	0.70	0.82	0.89	1.01	1.13	1.23	1.51
240	0.60	0.71	0.77	0.88	0.98	1.06	1.31
277	0.52	0.61	0.67	0.76	0.85	0.92	1.14
347	0.42	0.49	0.53	0.61	0.68	0.73	0.91
480	0.30	0.35	0.39	0.44	0.49	0.53	0.66

# OF LEDS	480					
NOMINAL WATTAGE	285	320	340	390	425	470
SYSTEM POWER (W)	286.2	316.7	338.4	392.2	423.2	468
INPUT VOLTAGE (V)	CURRENT (Amps)					
120	2.38	2.67	2.83	3.25	3.54	3.92
208	1.37	1.54	1.63	1.88	2.04	2.26
240	1.19	1.33	1.42	1.63	1.77	1.96
277	1.03	1.16	1.23	1.41	1.53	1.70
347	0.82	0.92	0.98	1.12	1.22	1.35
480	0.59	0.67	0.71	0.81	0.89	0.98

# OF LEDS	720				
NOMINAL WATTAGE	435	475	515	565	600
SYSTEM POWER (W)	429.3	475	519.1	565.2	599.9
INPUT VOLTAGE (V)	CURRENT (Amps)				
120	3.63	3.96	4.29	4.71	5.00
208	2.09	2.28	2.48	2.72	2.88
240	1.81	1.98	2.15	2.35	2.50
277	1.57	1.71	1.86	2.04	2.17
347	1.25	1.37	1.48	1.63	1.73
480	0.91	0.99	1.07	1.18	1.25

VIPER Area/Site

VIPER LUMINAIRE

DATE: _____ LOCATION: _____
 TYPE: _____ PROJECT: _____
 CATALOG #: _____

ELECTRICAL DATA: STRIKE

# OF LEDS	36				
NOMINAL WATTAGE	39	55	85	105	120
SYSTEM POWER (W)	39.6	56.8	83.6	108.2	120.9
INPUT VOLTAGE (V)	CURRENT (Amps)				
120	0.33	0.46	0.71	0.88	0.96
208	0.19	0.26	0.41	0.50	0.55
240	0.16	0.23	0.35	0.44	0.48
277	0.14	0.20	0.31	0.38	0.42
347	0.11	0.16	0.24	0.30	0.33
480	0.08	0.11	0.18	0.22	0.24

# OF LEDS	72				
NOMINAL WATTAGE	115	145	180	210	240
SYSTEM POWER (W)	113.7	143.2	179.4	210.2	241.7
INPUT VOLTAGE (V)	CURRENT (Amps)				
120	1.00	1.21	1.50	1.75	1.79
208	0.58	0.70	0.87	1.01	1.03
240	0.50	0.60	0.75	0.88	0.90
277	0.43	0.52	0.65	0.76	0.78
347	0.35	0.42	0.52	0.61	0.62
480	0.25	0.30	0.38	0.44	0.45

# OF LEDS	108				
NOMINAL WATTAGE	215	250	280	325	365
SYSTEM POWER (W)	214.8	250.8	278.3	324.7	362.6
INPUT VOLTAGE (V)	CURRENT (Amps)				
120	2.00	2.08	2.33	3.04	2.67
208	1.15	1.20	1.35	1.75	1.54
240	1.00	1.04	1.17	1.52	1.33
277	0.87	0.90	1.01	1.32	1.16
347	0.69	0.72	0.81	1.05	0.92
480	0.50	0.52	0.58	0.76	0.67

# OF LEDS	162					
NOMINAL WATTAGE	320	365	405	445	485	545
SYSTEM POWER (W)	322.1	362.6	403.6	445.1	487.1	543.9
INPUT VOLTAGE (V)	CURRENT (Amps)					
120	2.71	2.67	3.38	3.71	4.04	4.54
208	1.56	1.54	1.95	2.14	2.33	2.62
240	1.35	1.33	1.69	1.85	2.02	2.27
277	1.17	1.16	1.46	1.61	1.75	1.97
347	0.94	0.92	1.17	1.28	1.40	1.57
480	0.68	0.67	0.84	0.93	1.01	1.14

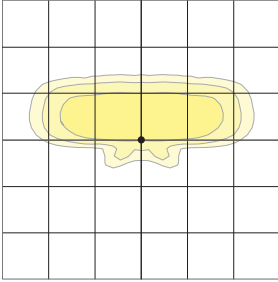
VIPER Area/Site

VIPER LUMINAIRE

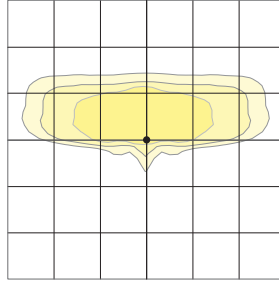
MICRO STRIKE PHOTOMETRY

The following diagrams represent the general distribution options offered for this product. For detailed information on specific product configurations, see website photometric test reports.

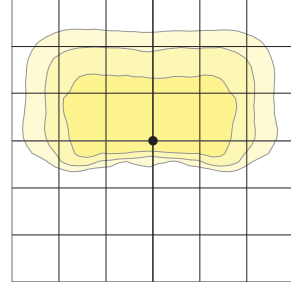
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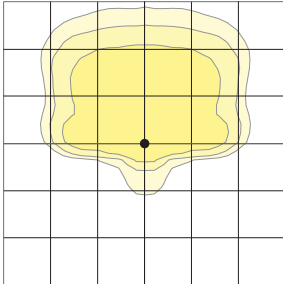
Type 3



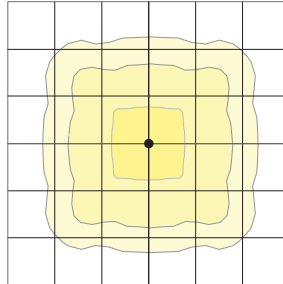
Type 4 Wide



Type 4F



Type 5QW



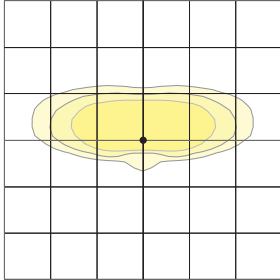
VIPER Area/Site

VIPER LUMINAIRE

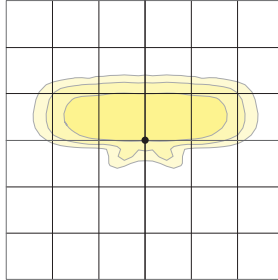
OPTIC STRIKE PHOTOMETRY

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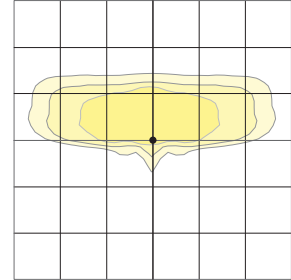
Type FR – Front Row/Auto Optic



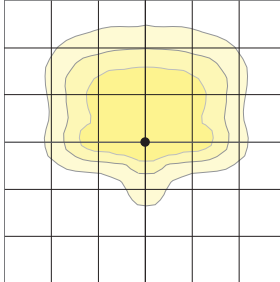
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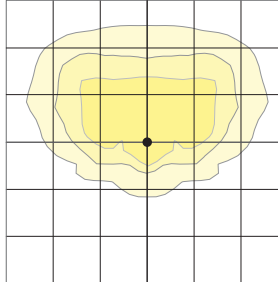
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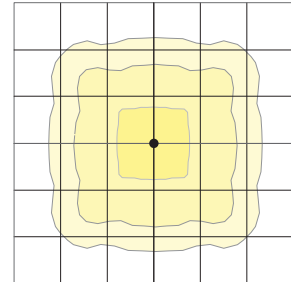
Type 4 Forward



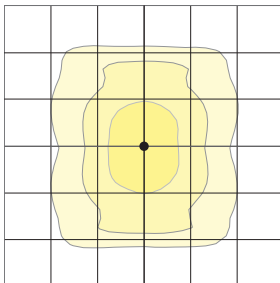
Type 4 Wide



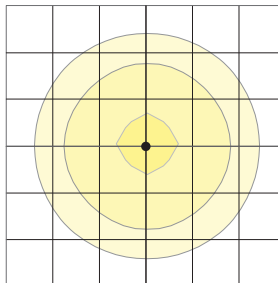
Type 5QM



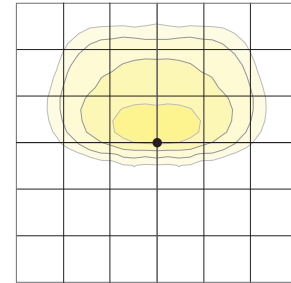
Type 5RW (rectangular)



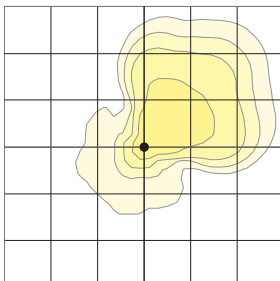
Type 5W (round wide)



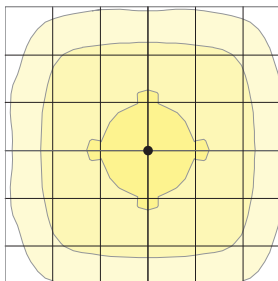
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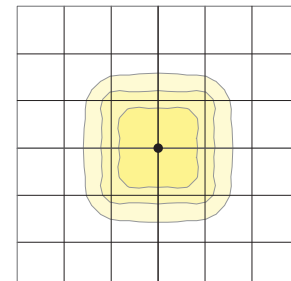
Type Corner



Type 5QW



Type 5QN



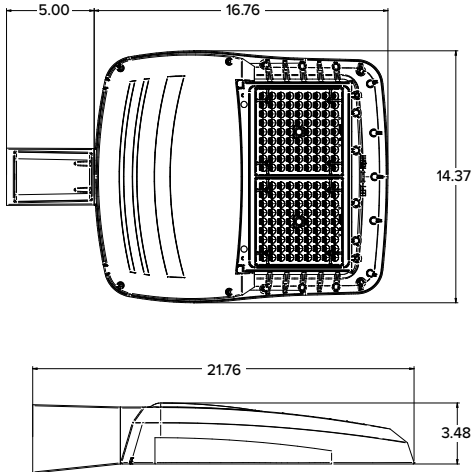
VIPER Area/Site

VIPER LUMINAIRE

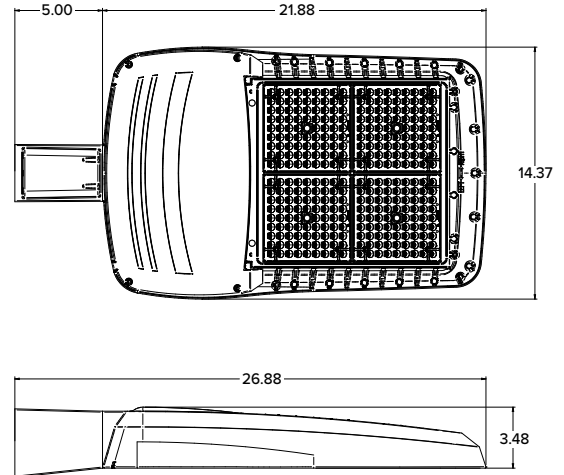
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TYPE:	PROJECT:
CATALOG #:	

DIMENSIONS

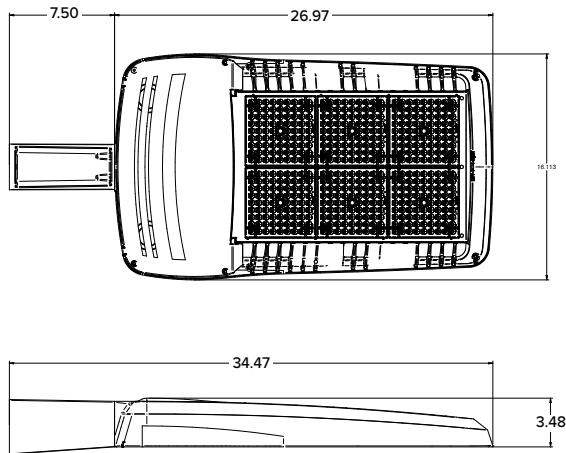
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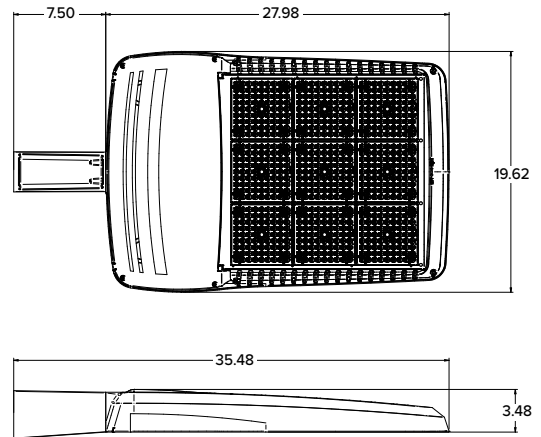
SIZE 2









SIZE 3



SIZE 4



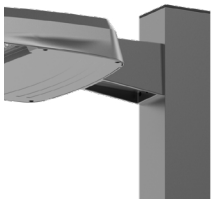
	EPA				Config.
	VP1 (Size 1)	VP2 (Size 2)	VP3 (Size 3)	VP4 (Size 4)	
Single Fixture	0.454	0.555	0.655	0.698	
Two at 180	0.908	1.110	1.310	1.396	
Two at 90	0.583	0.711	0.857	0.948	
Three at 90	1.037	1.266	1.512	1.646	
Three at 120	0.943	1.155	1.392	1.680	
Four at 90	1.166	1.422	1.714	1.896	

	Weight	
	lbs	kgs
VP1 (Size 1)	13.7	6.2
VP2 (Size 2)	16.0	7.26
VP3 (Size 3)	25.9	11.7
VP4 (Size 4)	30.8	13.9

VIPER Area/Site

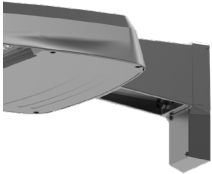
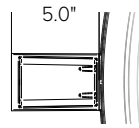
VIPER LUMINAIRE

MOUNTING



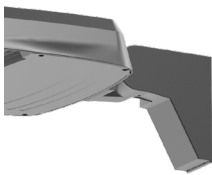
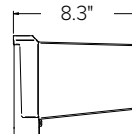
A-STRAIGHT ARM MOUNT

Fixture ships with integral arm for ease of installation. Compatible with Current Outdoor B3 drill pattern for ease of installation on square poles. For round poles add applicable suffix (2/3/4/5)



ASQU-UNIVERSAL ARM MOUNT

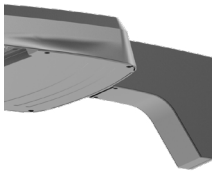
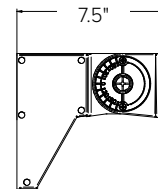
Universal mounting block for ease of installation. Compatible with drill patterns from 2.5" to 4.5" and Current drill pattern S2. For round poles add applicable suffix (2/3/4/5)



AAU-ADJUSTABLE ARM FOR POLE MOUNTING

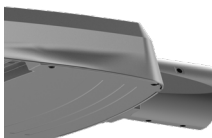
Rotatable arm mounts directly to pole. Compatible with drill patterns from 2.5" to 4.5" and Current drill pattern S2 and B3. For round poles add applicable suffix (2/3/4/5). Rotatable in 15° aiming angle increments. Micro Strike configurations have a 45° aiming limitation.

Strike configurations have a 30° aiming limitation.



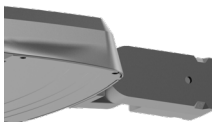
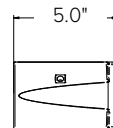
ADU-DECORATIVE UPSWEPT ARM

Upswept Arm compatible with drill patterns from 2.5" to 4.5" and Current drill pattern S2. For round poles add applicable suffix (2/3/4/5).



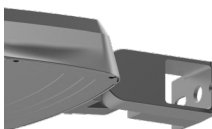
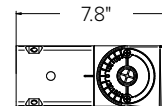
MAF-MAST ARM FITTER

Fits 2-3/8" OD horizontal tenons.



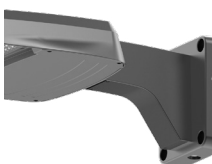
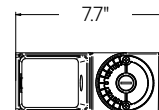
K-KNUCKLE

Knuckle mount 15° aiming angle increments for precise aiming and control, fits 2-3/8" tenons or pipes. Micro Strike configurations have a 45° aiming limitation. Strike configurations have a 30° aiming limitation.



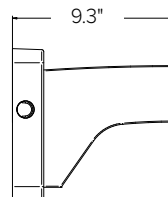
T-TRUNNION

Trunnion for surface and crossarm mounting using (1) 3/4" or (2) 1/2" size through bolts. Micro Strike configurations have a 45° aiming limitation. Strike configurations have a 30° aiming limitation.



WM-WALL MOUNT

Compatible with universal arm mount, adjustable arm mount, and decorative arm mount. The WA option uses the same wall bracket but replaces the decorative arm with an adjustable arm.



VIPER Area/Site

VIPER LUMINAIRE

DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	

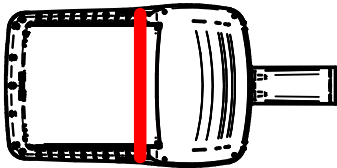
ADDITIONAL INFORMATION (CONTINUED)

HOUSE SIDE SHIELD FIELD INSTALL ACCESSORIES

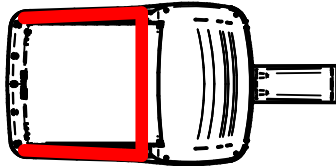
HSS has a depth of 5" for all Viper sizes

Not to be used with Occupancy Sensors as the shield may block the light to the sensor.

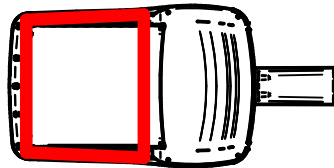
VPR2x HSS-90-B-xx



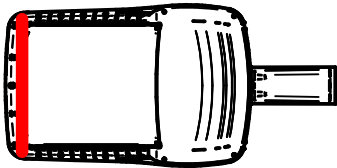
VPR2x HSS-270-BSS-xx



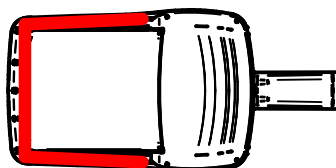
VPR2x HSS-360-xx



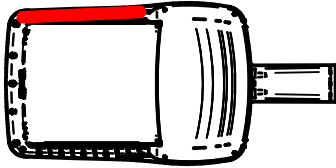
VPR2x HSS-90-F-xx



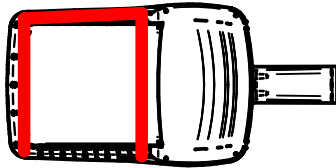
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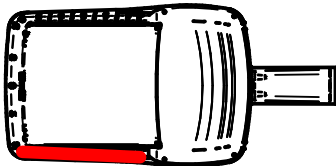
VPR2x HSS-90-S-xx



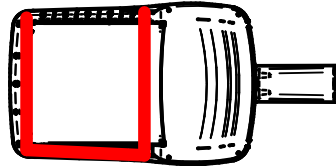
VPR2x HSS-270-FSB-xx



VPR2x HSS-90-S-xx



VPR2x HSS-270-FSB-xx



VIPER Area/Site

VIPER LUMINAIRE

DATE:	LOCATION:
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CATALOG #:	

ADDITIONAL INFORMATION (CONTINUED)

PROGRAMMED CONTROLS

ADD-AutoDim Timer Based Options

- Light delay options from 1-9 hours after the light is turned on to dim the light by 10-100%. To return the luminaire to its original light level there are dim return options from 1-9 hours after the light has been dimmed previously.

EX: ADD-6-5-R6

ADD Control Options	Configurations Choices	Example Choice Picked
Auto-Dim Options	1-9 Hours	6 - Delay 6 hours
Auto-Dim Brightness	10-100% Brightness	5 - Dim to 50% brightness
Auto-Dim Return	Delay 0-9 Hours	R6 - Return to full output after 6 hours

ADT-AutoDim Time of Day Based Option

- Light delay options from 1AM-9PM after the light is turned on to dim the light by 10-100%. To return the luminaire to its original light level there are dim return options from 1AM-9PM after the light has been dimmed previously.

EX: ADT-6-5-R6

ADD Control Options	Configurations Choices	Example Choice Picked
Auto-Dim Options	12-3 AM and 6-11 PM	6 - Dim at 6PM
Auto-Dim Brightness	10-100% Brightness	5 - Dim to 50%
Auto-Dim Return	12-6 AM and 9-11P	R6 - Return to full output at 6AM