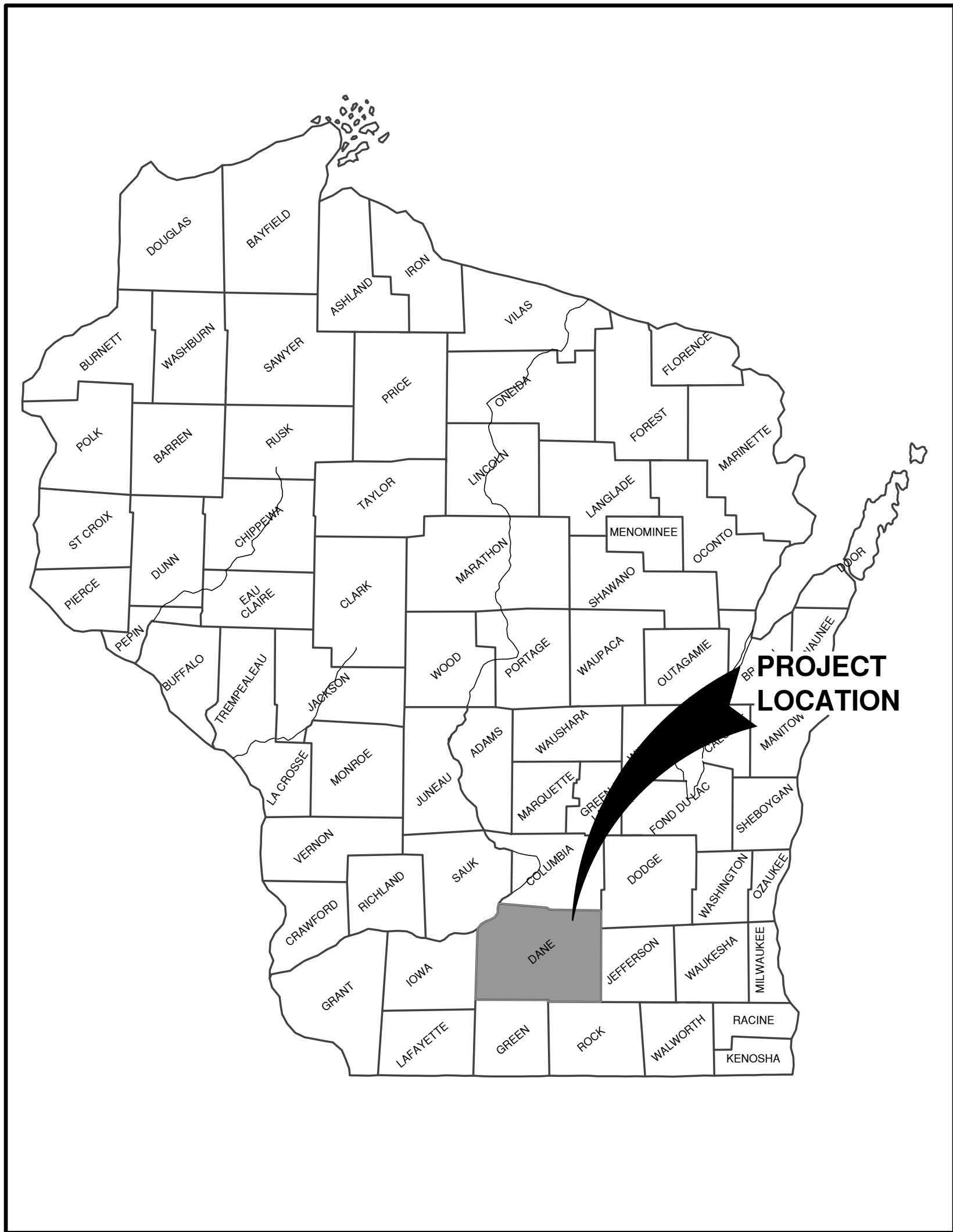


3913 LIEN ROAD SITE IMPROVEMENT PLAN FOR CLUB CAR WASH CITY OF MADISON, DANE COUNTY, WISCONSIN

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.



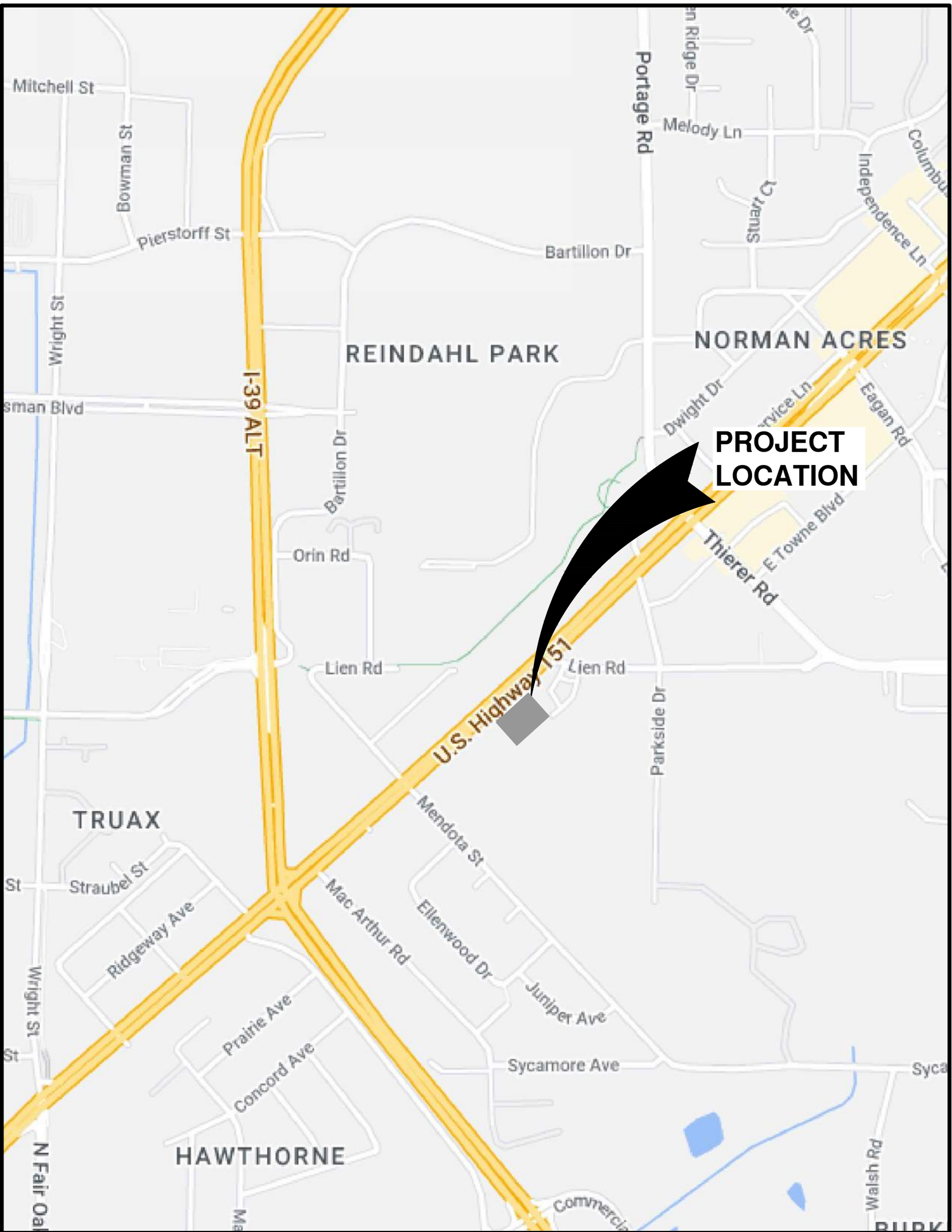
VICINITY MAP

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	GENERAL NOTES
2	EXISTING SITE CONDITIONS AND DEMOLITION PLAN
3	SITE PLAN
4	UTILITY PLAN
5	GRADING PLAN
6	EROSION CONTROL PLAN
7	MISCELLANEOUS DETAILS
8	MISCELLANEOUS DETAILS
9	MISCELLANEOUS DETAILS
10	MISCELLANEOUS DETAILS
11	EROSION CONTROL - INLET PROTECTION TYPES A, B, C AND D
12	EROSION CONTROL - INLET PROTECTION TYPE D-HR AND TYPE D-M
13	EROSION CONTROL - SHEET FLOW DETAILS
14	EROSION CONTROL - TRACKOUT CONTROL PRACTICES
15	EROSION CONTROL - EROSION MAT SLOPE APPLICATION DETAILS



LOCATION MAP

NO.	DATE	APPROV.	REVISION	NO.	DATE	APPROV.	REVISION	DRAWN BDR	3913 LIEN ROAD SITE IMPROVEMENT PLAN FOR CLUB CAR WASH CITY OF MADISON DANE COUNTY, WISCONSIN	LOCATION MAPS AND INDEX TO DRAWINGS	DATE 05/2023	 1250 Centennial Centre Blvd Hobart, WI 920-662-9641 releinc.com	SHEET NO. C
								CHECKED ---			FILE 6258019C		
								DESIGNED BDR			JOB NO. 6258019		

File: P:\2020-2023\254019\DWG\254019.dwg
Plot Date: May 26, 2023 8:07am
LAYOUT: GENERAL NOTES

LEGEND

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

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

TO BE DEMOLISHED

TREE/SHRUB TO BE REMOVED

8SS ——— 8SS ——— SANITARY SEWER (SIZE NOTED)

4FM ——— 4FM ——— FORCEMAIN (SIZE NOTED)

10ST ——— 10ST ——— STORM SEWER (SIZE NOTED)

6W ——— 6W ——— WATERMAIN (SIZE NOTED)

G ——— G ——— GAS LINE

OT ——— OT ——— OVERHEAD TELEPHONE LINE

T ——— T ——— UNDERGROUND TELEPHONE LINE

OE ——— OE ——— OVERHEAD ELECTRIC LINE

E ——— E ——— UNDERGROUND ELECTRIC LINE

OTV ——— OTV ——— OVERHEAD CABLE TV LINE

TV ——— TV ——— CABLE TV LINE

FO ——— FO ——— FIBER OPTIC LINE

- - - - - R/W LINE

- - - - - PROPERTY LINE

- - - - - EASEMENT LINE

- - - - - BUILDING SETBACK LINE

- - - - - SECTION LINE

EDGE OF ASPHALT

EDGE OF GRAVEL

CURB & GUTTER

TREE/BRUSH LINE

CONTOUR LINE

RETAINING WALL

GUARD RAIL

FENCE

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

DEMOLITION NOTES

1. EXISTING ASPHALT AND BASE COURSE MAY BE PULVERIZED AND STOCKPILED ON SITE FOR FUTURE USE.
2. EXISTING GAS, ELECTRIC, CABLE TELEVISION AND TELEPHONE TO BE REMOVED AND/OR RELOCATED BY OTHERS. WORK SHALL BE COORDINATED BY GENERAL CONTRACTOR.
3. ALL MISCELLANEOUS STRUCTURES SHALL BE REMOVED.
4. DRIVEWAY OPENINGS SHALL BE REMOVED AND CURB OPENINGS SHALL BE CLOSED IN ACCORDANCE WITH STANDARD DETAIL "CURB REMOVAL"; SEE DETAIL SHEETS.

UTILITY INFORMATION:

UTILITIES PRESENT:
MADISON METRO SEWERAGE DISTRICT, MADISON GAS AND ELECTRIC, CITY OF MADISON ENGINEERING, CHARTER COMMUNICATIONS, MCI, AT&T, TDS AND CENTURYLINK.

UTILITIES SHOWN ON THIS MAP ARE BASED ON LOCATES FROM:

DIGGER'S HOTLINE TICKET NUMBER 20225300143 & DATE 1/5/23. VISIBLE OBSERVATION 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

SANITARY SEWER: MADISON METRO SEWERAGE DISTRICT CITY OF MADISON 1610 MOORLAND ROAD MADISON, WI 53713 (608) 222-1201	GAS & ELECTRIC: MADISON GAS AND ELECTRIC PO BOX 1231 MADISON, WI 53701 (608) 252-7222	WATER/STORM SEWER: CITY OF MADISON ENGINEERING CITY OF MADISON 210 MARTIN LUTHER KING JR. BLVD, ROOM 115 MADISON, WI 53703 (608) 266-4751	TELECOMMUNICATIONS: CHARTER COMMUNICATIONS 3315 S. LINCOLN AV. TWO RIVERS, WI 54241 (920) 793-2216
TELECOMMUNICATIONS: MCI 244 W WASHINGTON AVE MADISON, WI 53703 (608) 251-1279	TELECOMMUNICATIONS: AT & T / SBC 205 S. JEFFERSON ST. GREEN BAY, WI 54301 (920) 433-4147	TELECOMMUNICATIONS: TDS METROCOM / TDS TELECOM W6174 AEROTECH DR. SUITE A APPLETON, WI 54914 (920) 882-3342	TELECOMMUNICATIONS: CENTURYLINK P.O. BOX 260 WAUSAUKEE, WI 54177 (715) 856-9738

Dial 811 or (800) 242-8511
www.DiggersHotline.com

TO OBTAIN LOCATION OF PARTICIPANTS
UNDERGROUND FACILITIES BEFORE YOU
DIG IN WISCONSIN

WIS. STATUTE 182.0175 (1974)
REQUIRES MIN. OF 3 WORK DAYS
NOTICE BEFORE YOU EXCAVATE.

OWNER INFORMATION:

CLUB CAR WASH
1591 E. PRATHERSVILLE ROAD
COLUMBIA, MO 65202

(573) 999-5178

CONTACT: JUSTIN BARNES

CONTRACTOR INFORMATION:

BAYLAND BUILDINGS, INC.
PO BOX 13571
GREEN BAY, WI 54307

(920) 498-9300

CONTACT: DAVID O'BRIEN

NO.	DATE	APPROV.	REVISION	NO.	DATE	APPROV.	REVISION	DRAWN BDR	3913 LIEN ROAD SITE IMPROVEMENT PLAN FOR CLUB CAR WASH CITY OF MADISON DANE COUNTY, WISCONSIN	GENERAL NOTES	DATE 01/2023	 Robert E. Lee & Associates, Inc. ENGINEERING, SURVEYING, ENVIRONMENTAL SERVICES 1250 CENTENNIAL CENTRE BOULEVARD HOBART, WI 54155 920-662-9641 www.releeinc.com	SHEET NO. 1
								CHECKED			FILE 6256019T		
								DESIGNED BDR			JOB NO. 6256019		

File: R:\2020\4258\42580190.DWG, C:\Users\19014249
Plot Date: May 26, 2023 11:04am
LAYOUT: GRADING

E. WASHINGTON AVE.

MATCH EX S/W
±878.77
MATCH EX S/W
±878.83

MATCH EX E/P
±876.50
MATCH EX E/P
±875.49

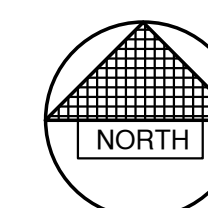
MATCH EX E/P
±872.06
MATCH EX E/P
±871.59

PROPOSED BUILDING
F.L. 879.30

MATCH EXISTING GRADES
ALONG PAVEMENT EDGE

LEGEND

- DRAINAGE SWALE
- - - DRAINAGE DIVIDE
- FLOW ARROW
- T/C 999.99 TOP OF CURB ELEVATION
- F/L 888.88 FLOW LINE ELEVATION
- S/W 666.66 TOP OF SIDEWALK ELEVATION
- E/P 555.55 EDGE OF PAVEMENT ELEVATION
- R/W 444.44 TOP OF RETAINING WALL ELEVATION
- 333.33 GROUND ELEVATION



0' 30' 60'
SCALE IN FEET

NO.	DATE	APPROV.	REVISION	NO.	DATE	APPROV.	REVISION	DRAWN BDR
								CHECKED
								DESIGNED
								BDR

3913 LIEN ROAD SITE IMPROVEMENT PLAN
FOR CLUB CAR WASH
CITY OF MADISON
DANE COUNTY, WISCONSIN

GRADING PLAN

DATE 05/2023
FILE 6256019D
JOB NO. 6256019

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

SHEET NO.
5

File: P:\2020-2023\255019\DWG\25501901.dwg
Plot Date: May 26, 2023 11:04am
LAYOUT: EROSION CONTROL

INLET PROTECTION REQ'D.
TYPE "D" (TYP.)

TRACKING PAD (TYP.)
REQUIRED AT ALL CONSTRUCTION
INGRESS / EGRESS ACCESS
POINTS. FULL WIDTH OF ACCESS.

E. WASHINGTON AVE.

PROPOSED BUILDING
5,352 S.F.

EMAT REQ'D ON ALL 4:1 OR
STEEPER SLOPES

SILT FENCE REQ'D. (TYP.)

SILT FENCE REQ'D

LEGEND

- 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)

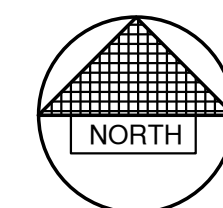
EROSION CONTROL

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.

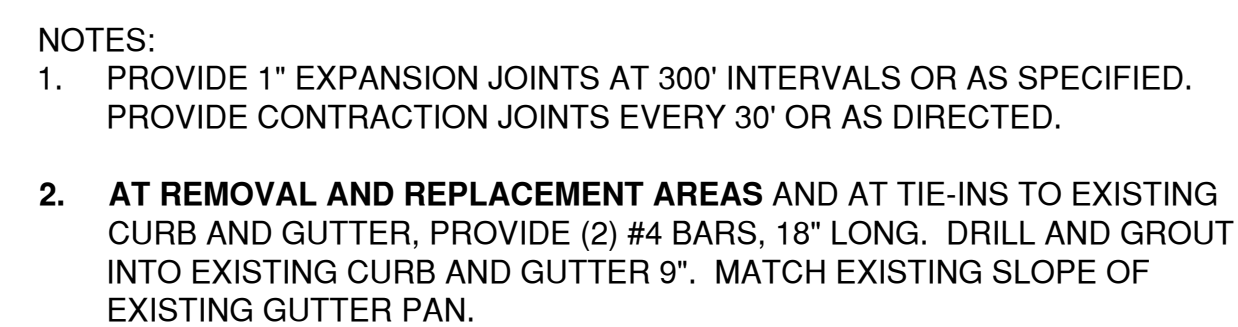
CONSTRUCTION SEQUENCE

- INSTALL INLET PROTECTION AS IDENTIFIED ON SITE. INLETS (AUGUST, 2023)
- DEMO EXISTING PARKING LOT, MAKE SURE TO SWEEP UP SAWCUT FINES SO THEY DON'T END UP IN THE STORM SYSTEM. HAUL OFF-SITE. (AUGUST 2023)
- EXCAVATE PROPOSED ISLANDS AND PLACE DOWN GRAVEL AS NEEDED. (AUGUST 2023)
- REMOVE EXISTING CONCRETE SIDEWALK AND INSTALL BUILDING WALLS. (SEPT 2023)
- CONSTRUCT UTILITIES, INSTALL EROSION CONTROL AS NEEDED ON NEW UTILITIES (SEPT 2023)
- GRADE/PAVE PARKING LOT AND POUR CONCRETE CURBING (MAY 2024)
- FINAL GRADING (MAY 2024) TOPSOIL, SEED AND MULCH. PROJECT COMPLETION SPRING 2024.



0' 30' 60'
SCALE IN FEET

NO.	DATE	APPROV.	REVISION	NO.	DATE	APPROV.	REVISION	DRAWN BDR	3913 LIEN ROAD SITE IMPROVEMENT PLAN FOR CLUB CAR WASH CITY OF MADISON DANE COUNTY, WISCONSIN	EROSION CONTROL PLAN	DATE 05/2023	FILE 6256019D	JOB NO. 6256019	Robert E. Lee & Associates, Inc. 1250 Centennial Centre Blvd Hobart, WI 920-662-9641 releinc.com	SHEET NO. 6
								CHECKED							
								DESIGNED BDR							



- 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.

- 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.

TOP OF CURB

6" 3" R 3" R 4" 4% SLOPE (2) #4 CONTINUOUS WHERE REQUIRED BROOM FINISH SURFACES 6" MIN. 12" 2" 4" 12" 18" UNDISTURBED SOIL 3" MINIMUM COMPACTED CRUSHED AGGREGATE BASE COURSE MATERIAL, GRADATION NO. 2

- 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.

NOTE:
PROVIDE CONTRACTION JOINTS AT MAXIMUM 20' SPACING
BY SAW CUTTING OR INSERTION OF DIVIDER PLATES

BACK OF CURB

PROPOSED CURB

EXISTING CURB

10"

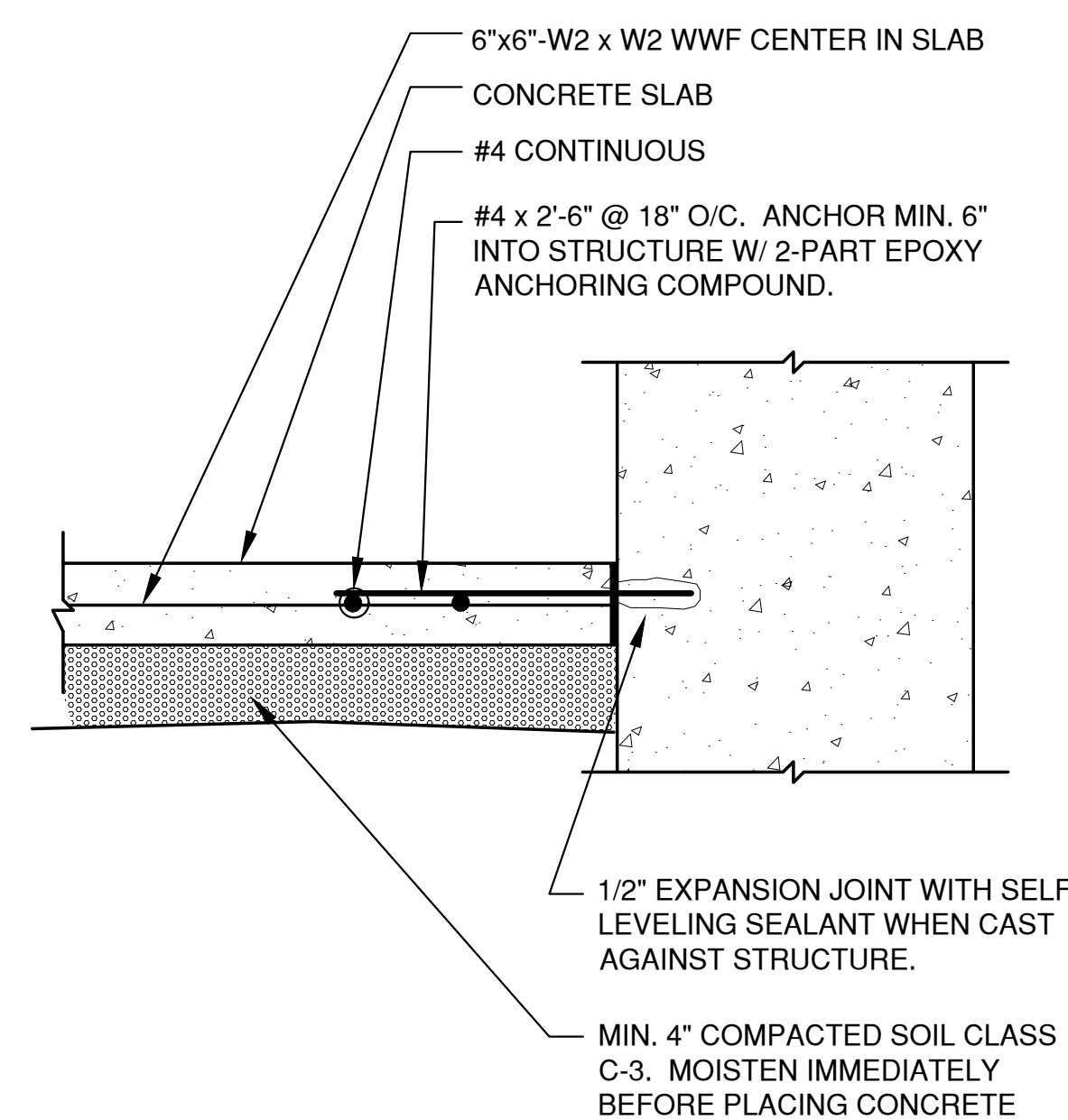
REBAR SLEEVES 1" MINIMUM VOID SPACE AT END OF SLEEVE FOR THERMAL EXPANSION

1" EXPANSION JOINT FILLER PLACED AT MAXIMUM 300' SPACING AND AT ALL ENDS OF RADI

18" LONG, 1/2" DIAMETER REINFORCING RODS

DRILL 5/8" HOLE MIN. 10" INTO EXISTING CURB

(PROPOSED TO EXISTING)



The diagram illustrates a cross-section of a concrete sidewalk. A horizontal line represents the ground surface. Below it, a concrete sidewalk is shown, consisting of a main section and a 3-foot wide curb. The curb is labeled "3'" and "TOP OF CURB". A "FLOW LINE" is indicated by a dashed line within the curb, showing the path of water flow.

A circular cross-section diagram of a pavement structure. The diagram is divided into three horizontal layers. The top layer is labeled "7" CONCRETE, AS DIRECTED BY GENERAL CONTRACTOR" and contains several small, light-colored triangles representing aggregate. The middle layer is labeled "8" OF NO. 3 OR NO. 4 GRADATION" and contains many small, dark-colored dots representing aggregate. The bottom layer is labeled "COMPACTED SUBGRADE" and contains a hatched pattern. Three arrows point from the text labels to their respective layers.

Diagram illustrating the cross-section of a circular structure, likely a manhole or tunnel, showing the layers of construction:

- 5" CONCRETE, AS DIRECTED BY GENERAL CONTRACTOR
- 8" OF NO. 3 OR NO. 4 GRADATION
- COMPACTED SUBGRADE

1 1/2" ASPHALTIC CONCRETE SURFACE

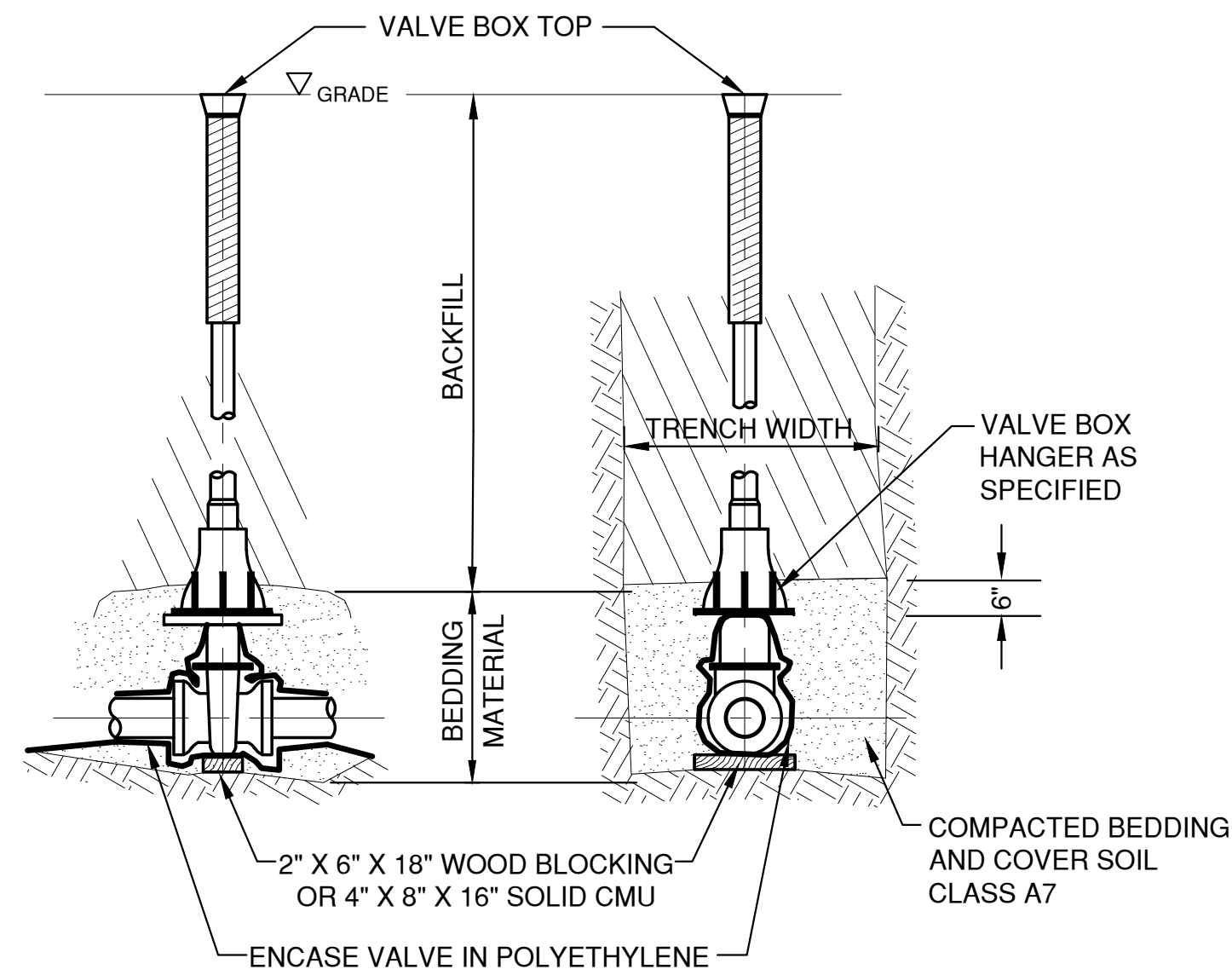
1 3/4" ASPHALTIC CONCRETE BINDER

12" OF GRADATION NO. 3 OR NO. 4

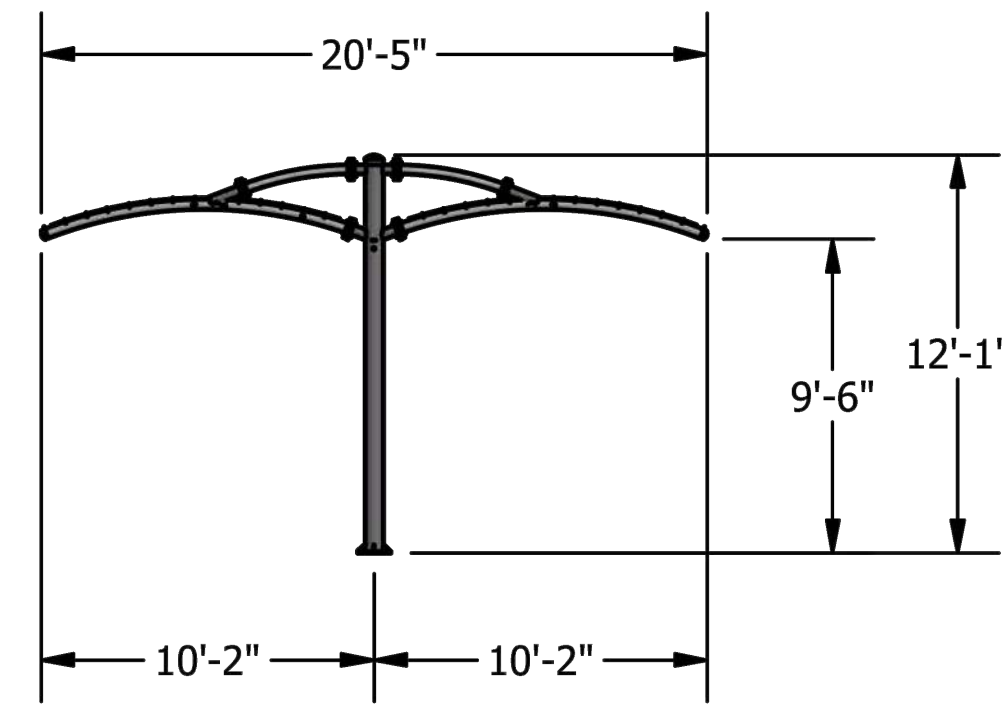
COMPACTED SUBGRADE

LAYOUT: DETAILS (1) Plot Date: May 26, 2023 - 12:15pm

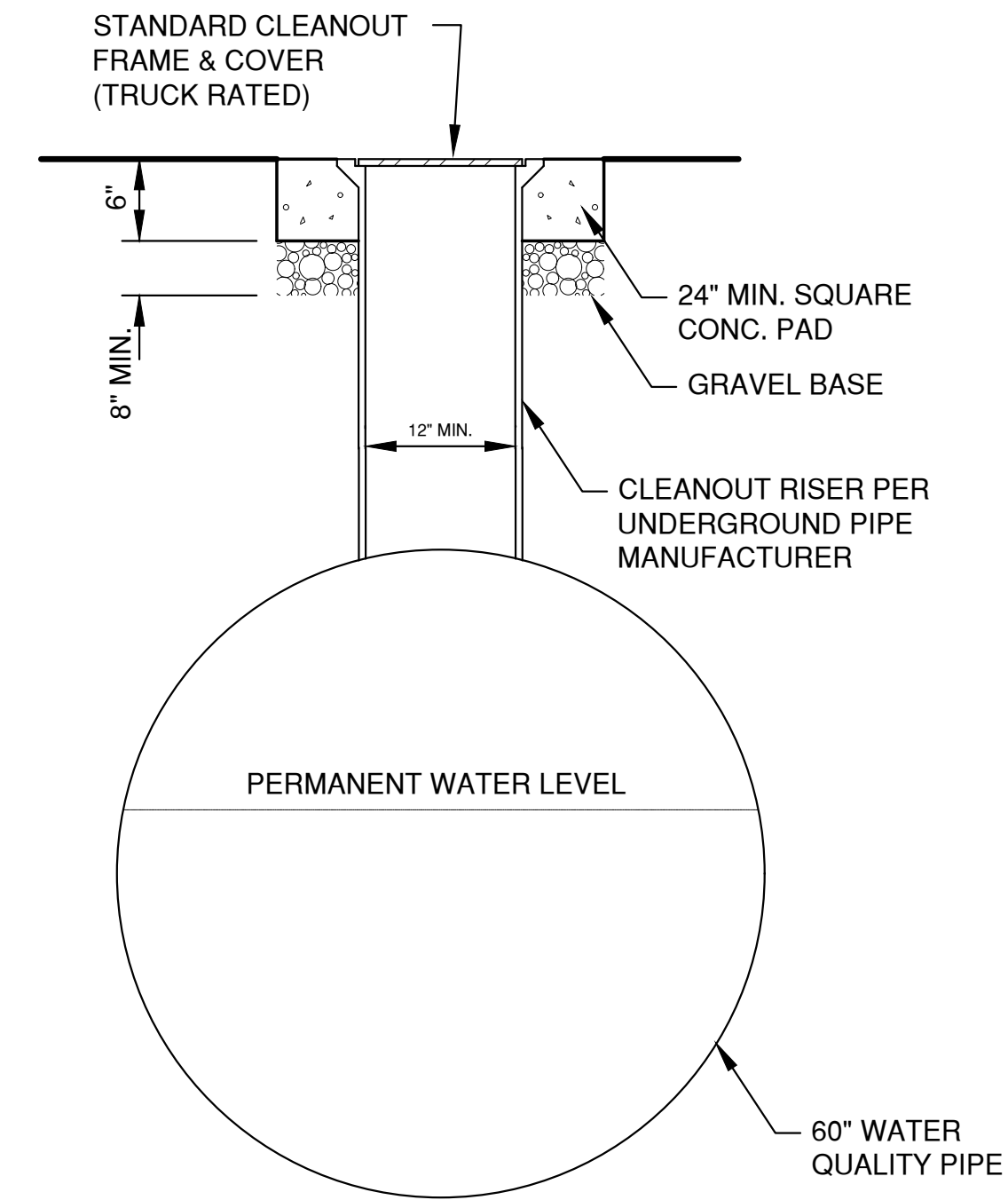
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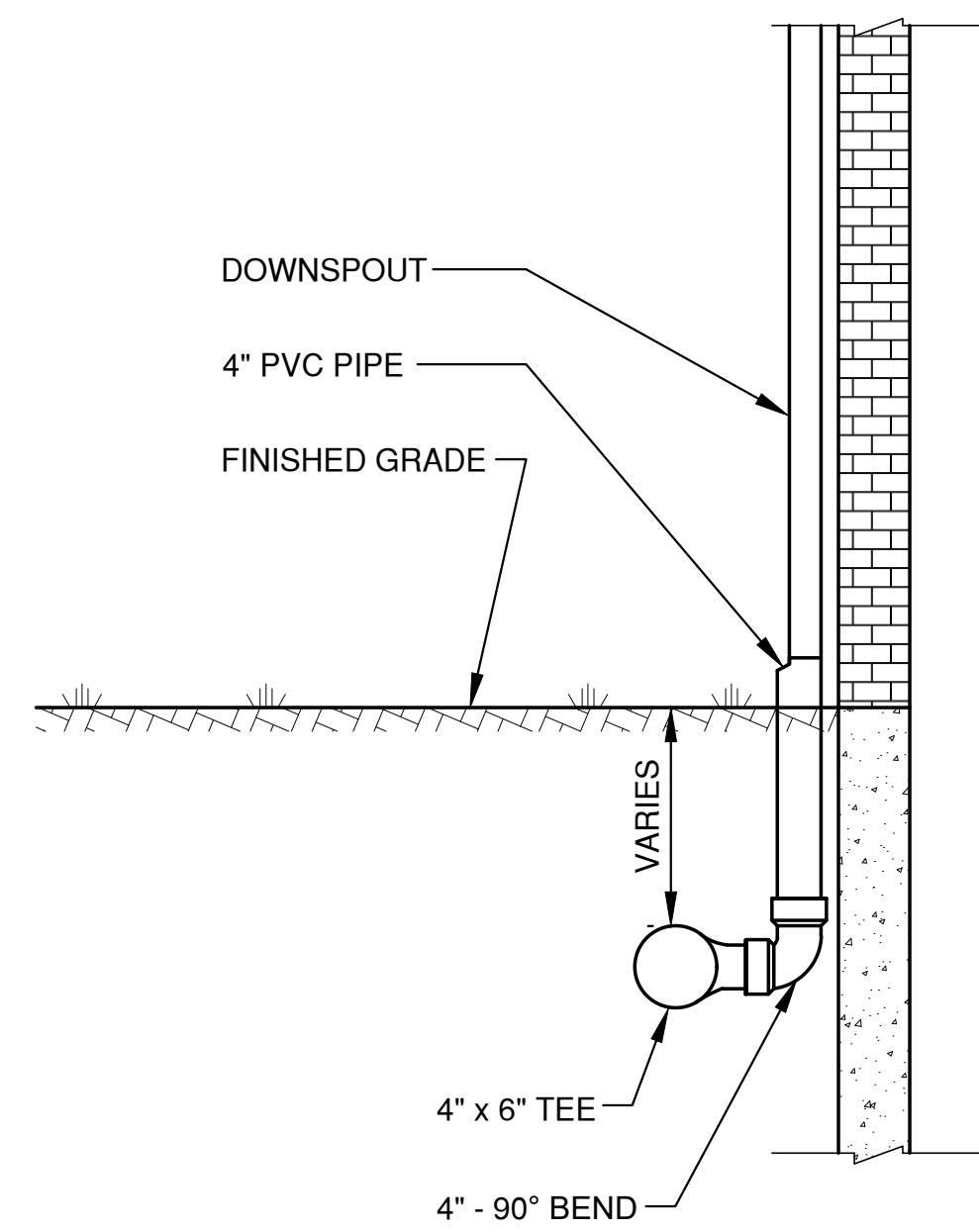
SIDE VIEW FRONT VIEW
VALVE BOX SETTING



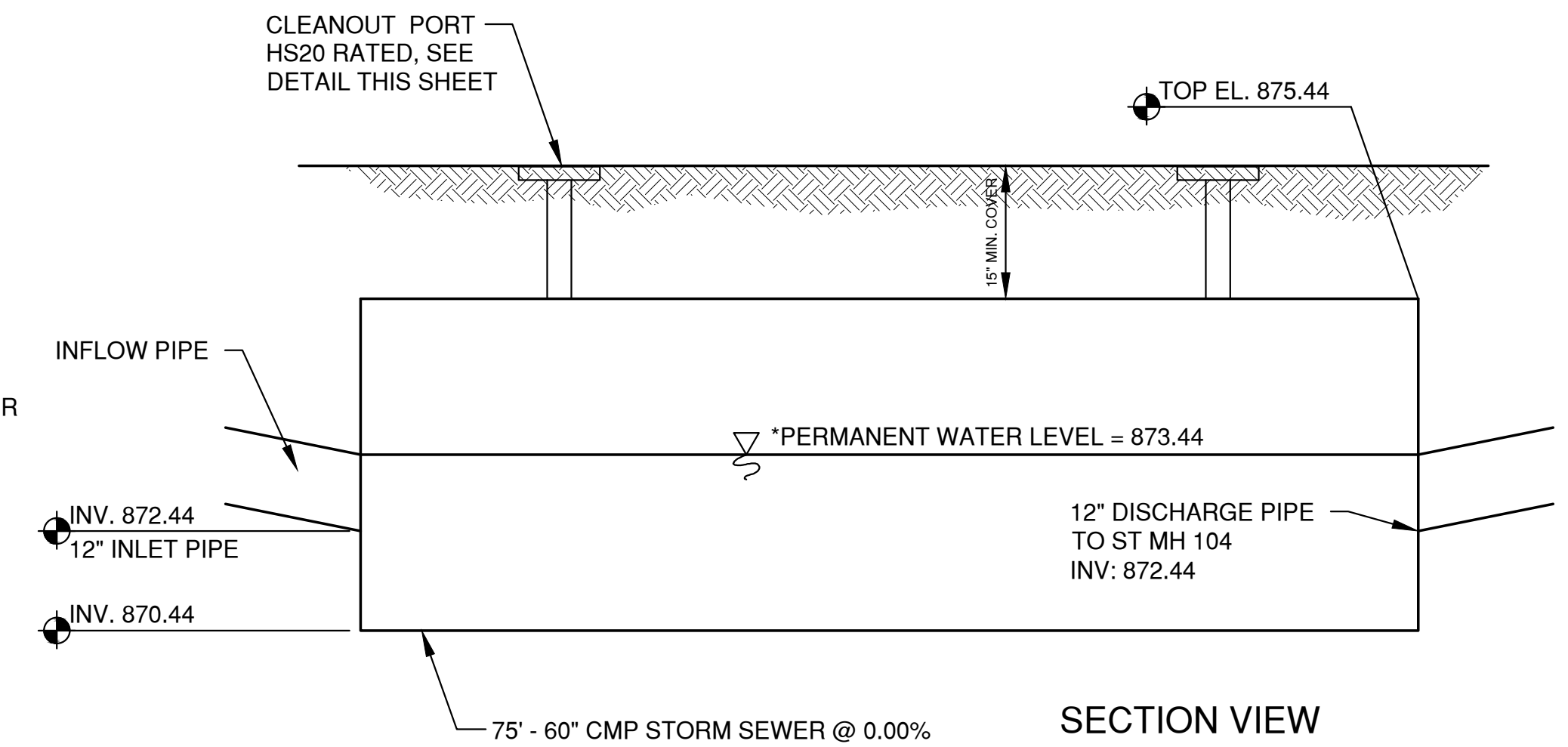
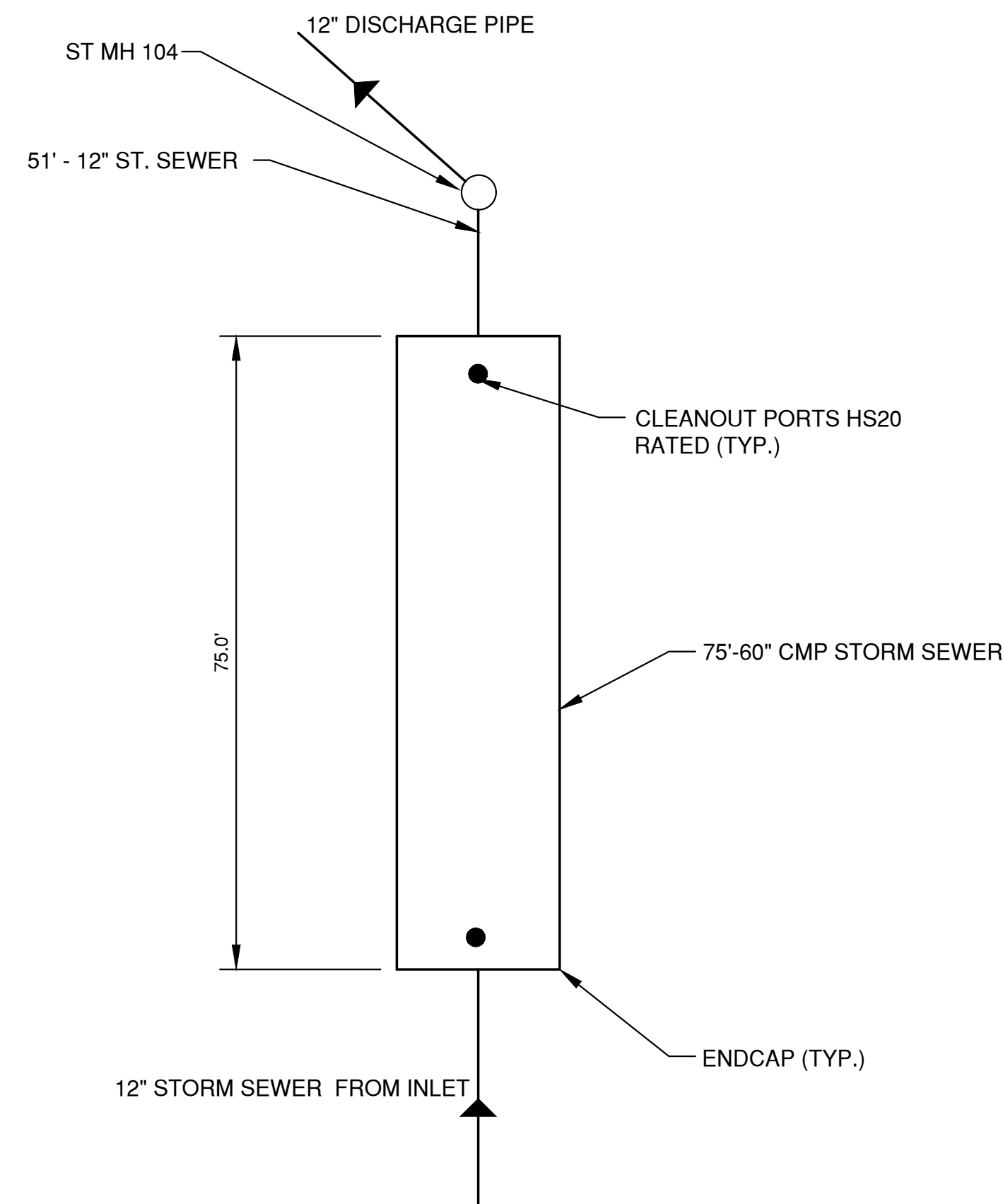
PAY STATION CANOPY



60" PIPE CLEANOUT




DOWN SPOUT COLLECTOR DETAIL

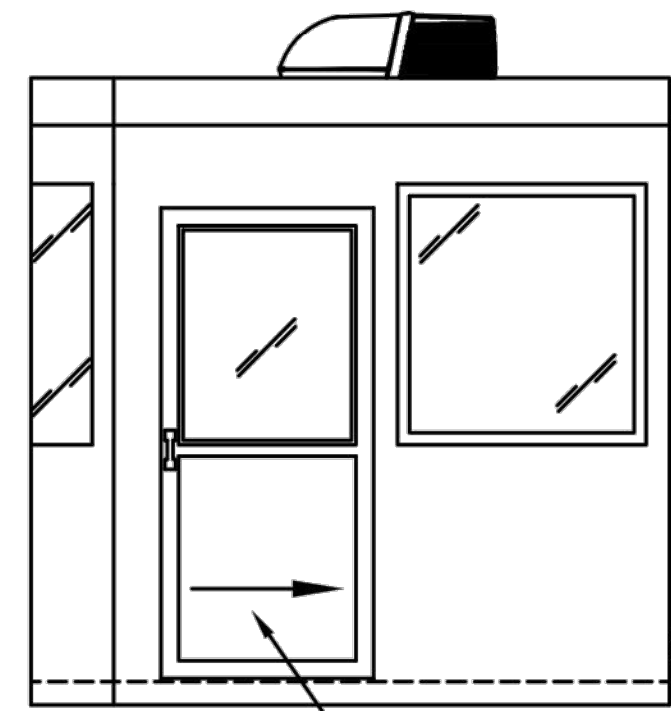


UNDERGROUND DETENTION POND DETAIL

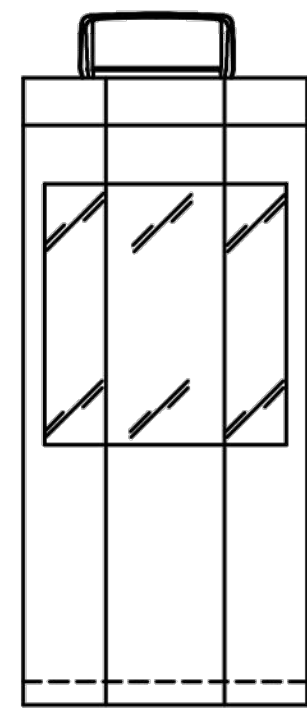
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 LAYOUT: DETAILS (3)

NO.	DATE	APPROV.	REVISION	NO.	DATE	APPROV.	REVISION	DRAWN BDR	3913 LIEN ROAD SITE IMPROVEMENT PLAN FOR CLUB CAR WASH CITY OF MADISON DANE COUNTY, WISCONSIN	MISCELLANEOUS DETAILS	DATE 05/2023	 Robert E. Lee & Associates, Inc. 1250 Centennial Centre Blvd Hobart, WI 920-662-9641 releinc.com	SHEET NO.
								CHECKED			FILE 6258019DETAILS		9
								DESIGNED			JOB NO. 6258019		
								BDR					

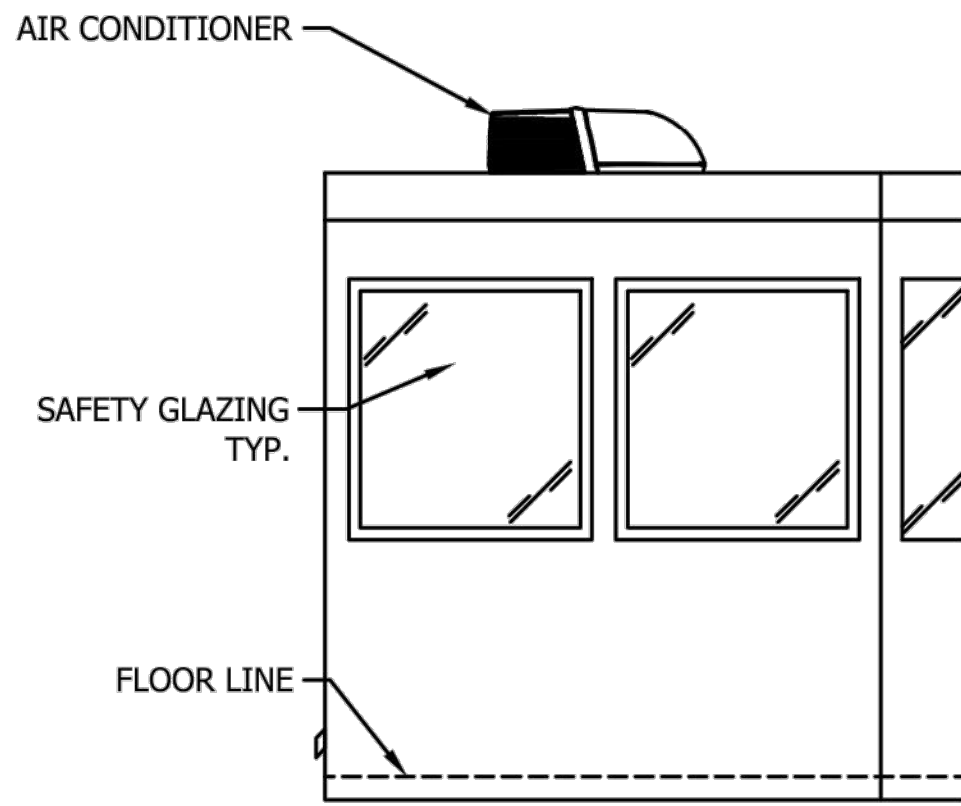
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Plot Date: May 26, 2023 12:14pm
LAYOUT: DETAILS (1)



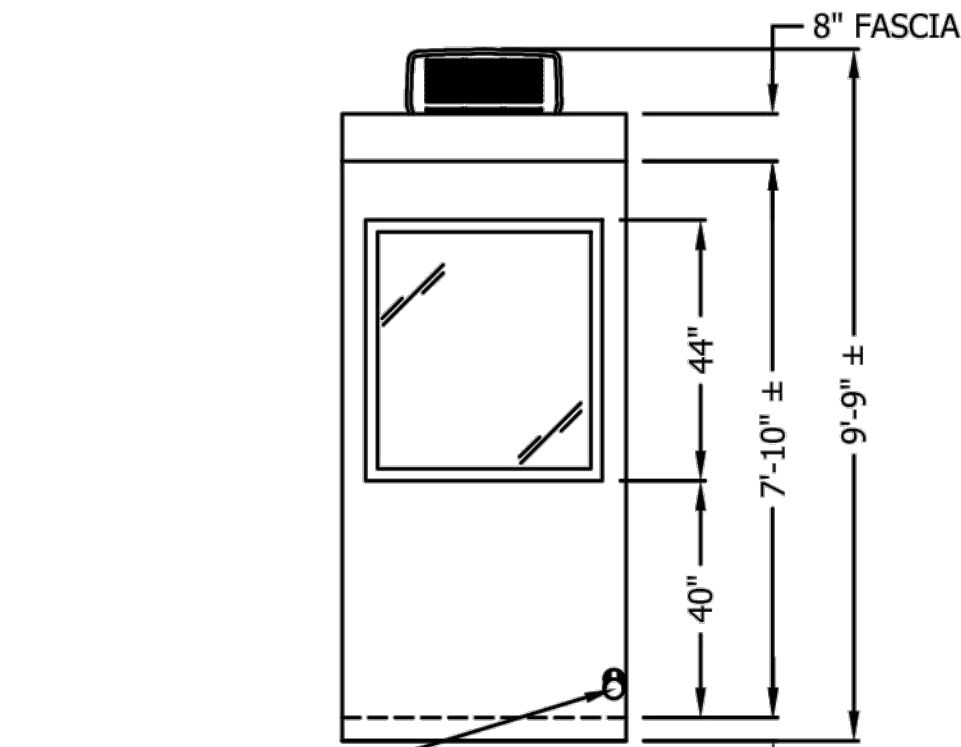
E1 ELEVATION
NOTE: ELEVATIONS 2:1



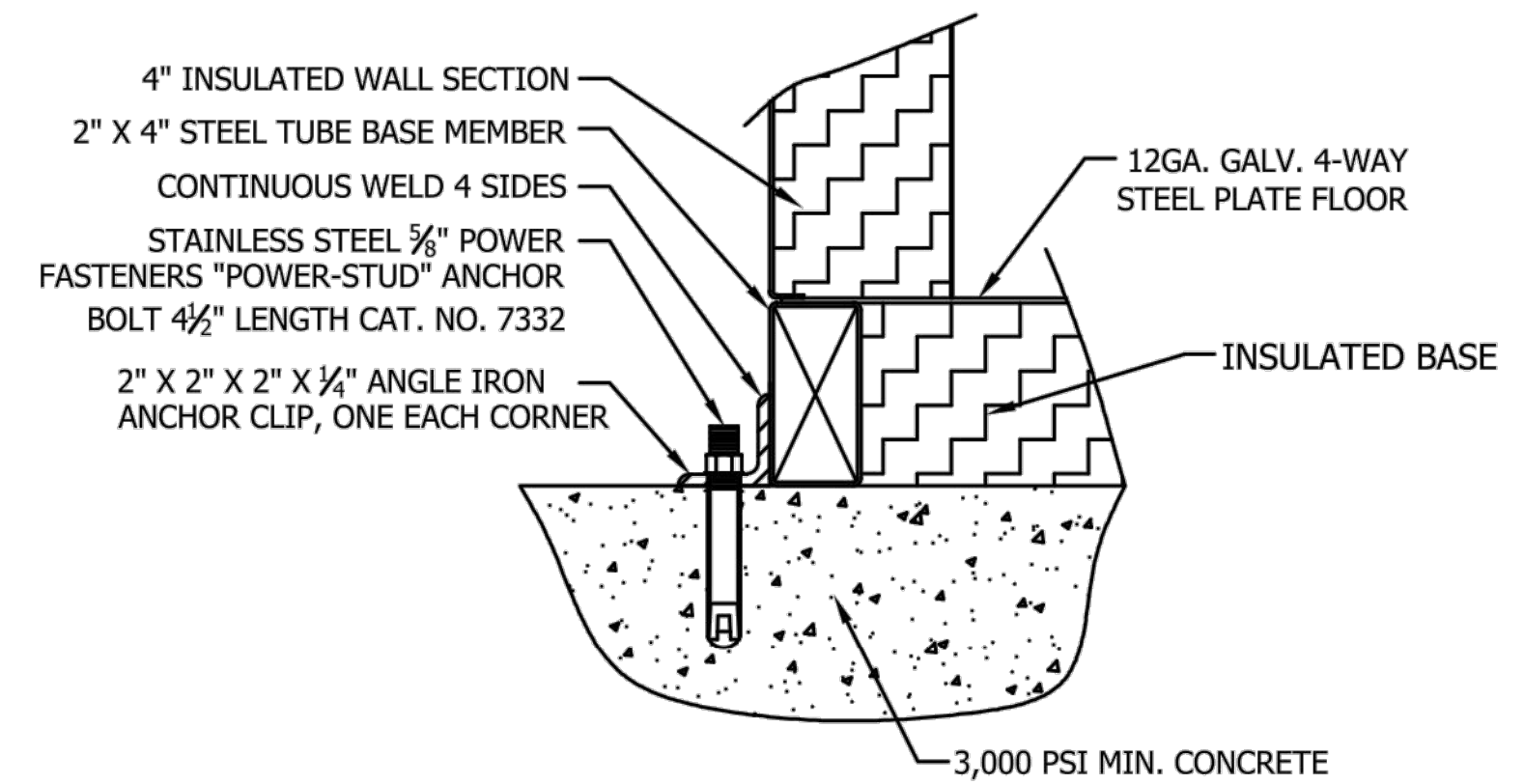
E2 ELEVATION



E3 ELEVATION

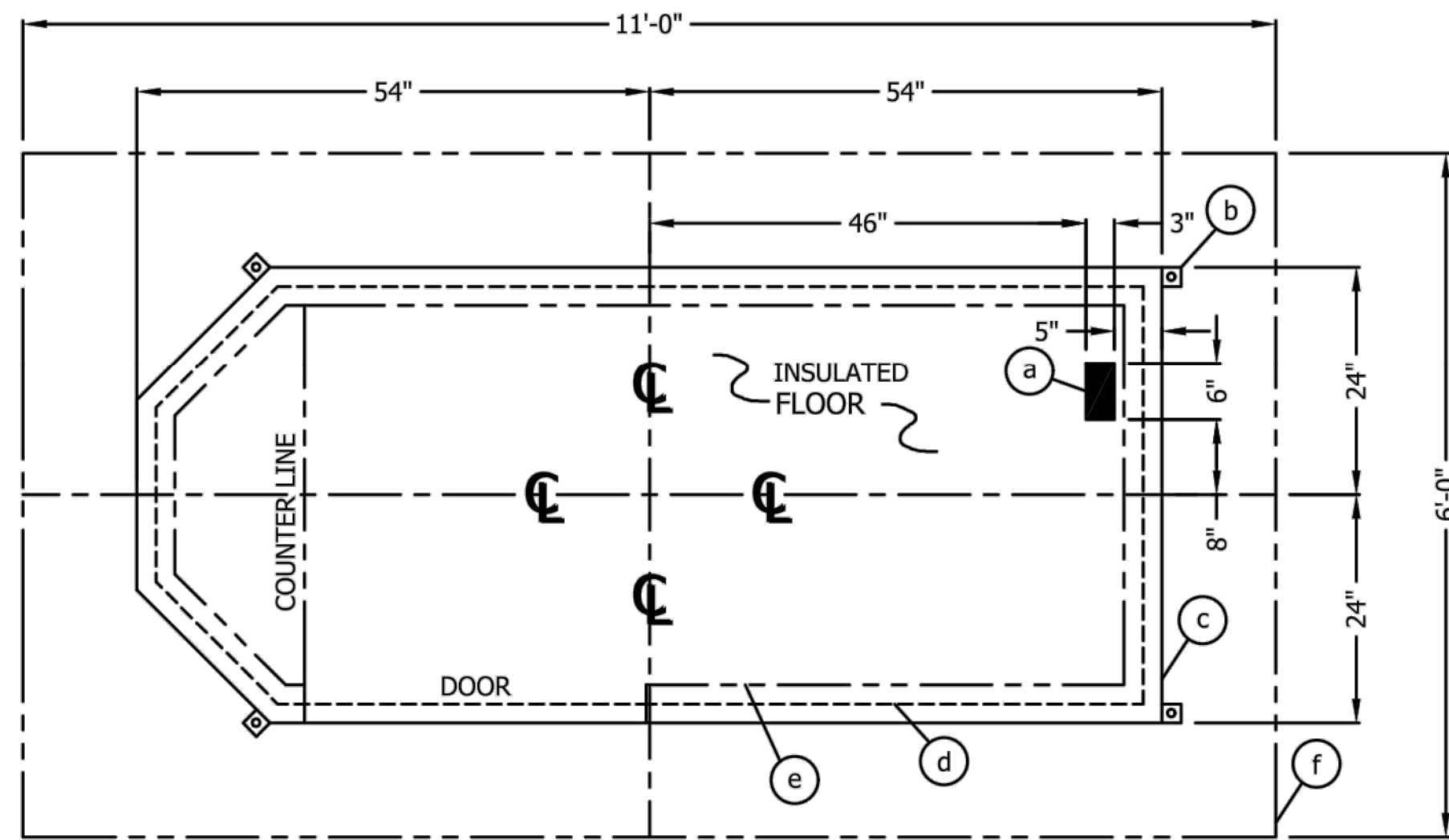


E4 ELEVATION



FIELD DRILLED ANCHOR BOLT DETAIL
NO SCALE

THIS DRAWING IS FOR REFERENCE PURPOSES ONLY. PAR-KUT BUILDINGS MUST BE SECURELY ANCHORED IN PLACE AND ELECTRICAL SYSTEM MUST BE PROPERLY GROUNDED. ADEQUATE SIZED ANCHOR BOLTS SHALL BE USED. THE SIZE AND DEPTH OF THE ANCHORS SHOULD BE OF SUFFICIENT DESIGN TO WITHSTAND THE HIGHEST RECORDED WIND SPEEDS/SEISMIC DESIGN CATEGORY IN THE AREA OF INSTALLATION. CONSULT A PROFESSIONAL ENGINEER FAMILIAR WITH THE WEATHER CONDITIONS IN THE AREA.



SERVICE ENTRANCE/ANCHOR BOLT LAYOUT

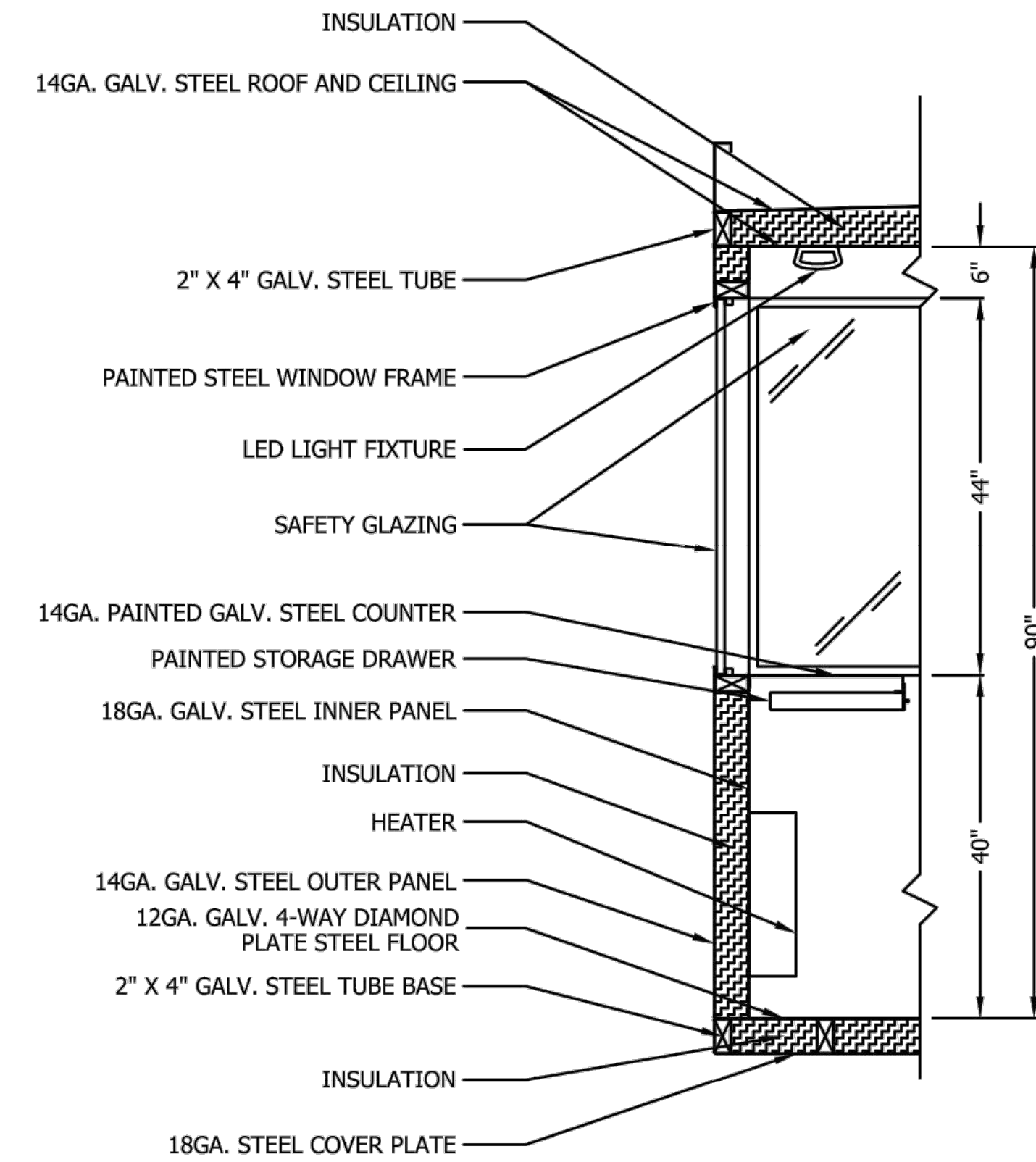
- SLOT IN FLOOR WITH 5" X 8" REMOVABLE SCREW-DOWN ALUMINUM TREADPLATE LID, (2) SCREWS REQ'D. ONE AT EACH END, FOR ELECTRICAL SERVICE ENTRANCE TO C.B. PANEL.
- 2" X 2" X 1/4"(MIN) STEEL ANCHOR CLIP WITH A 3/4" ANCHOR BOLT HOLE, 4-REQ'D. ONE EACH CORNER. ANCHOR BUILDING AFTER FINAL LOCATION. ANCHOR BOLTS NOT INCLUDED.
- OUTER EDGE OF BUILDING.
- BASE PERIMETER FRAME.
- INTERIOR WALL.
- SUGGESTED MINIMUM FOUNDATION/SLAB.

GENERAL SITE INSTALLED ITEMS PROVIDED BY OTHERS

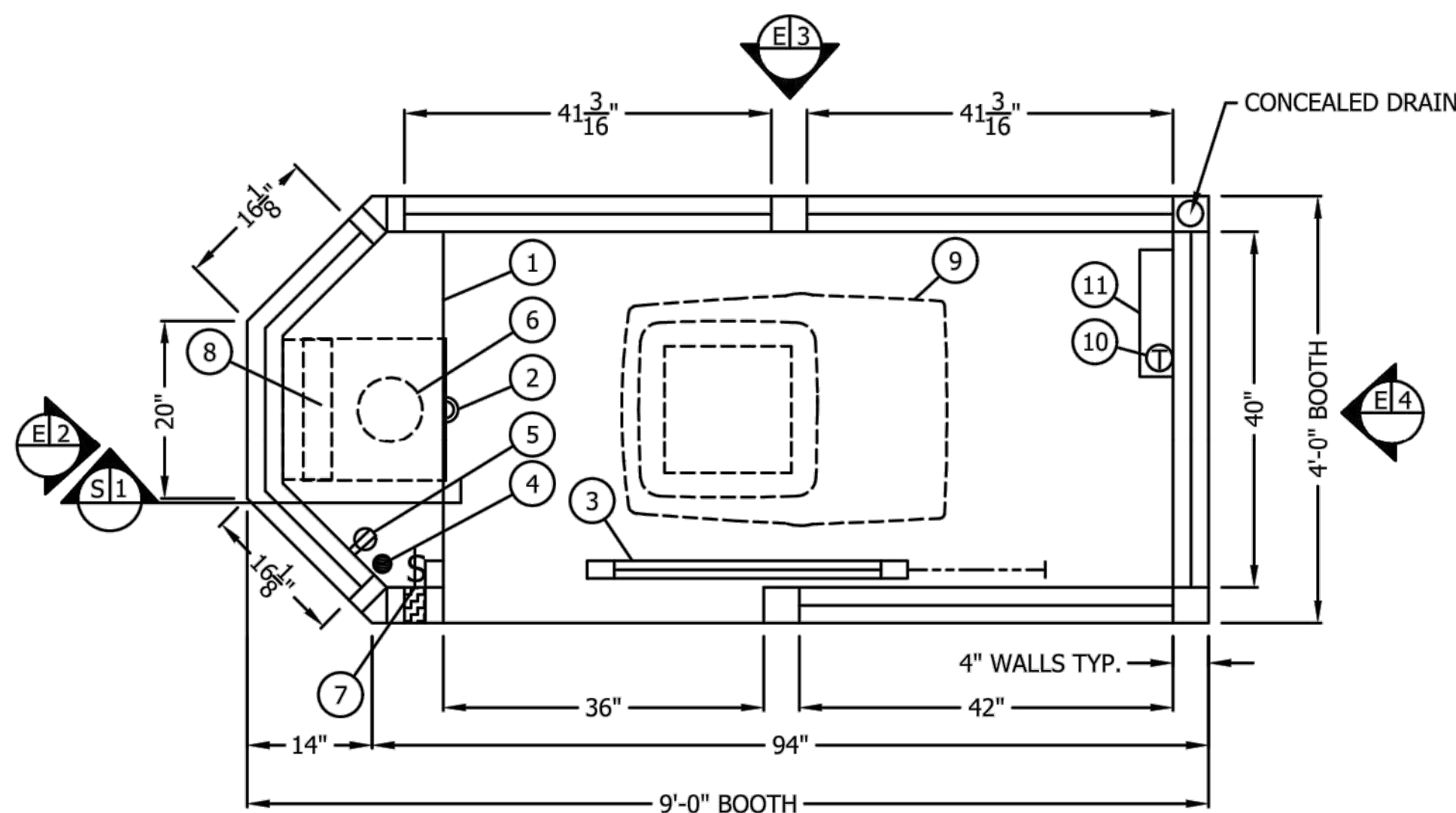
- PROVIDE 120V/240V, SINGLE PHASE, 3-WIRE SERVICE WITH GROUND.
- CONCRETE FOUNDATION/SLAB MINIMUM 6" DEEP, 3,000 PSI MINIMUM (28 DAY ACI 318). THE FOUNDATION/SLAB SHOULD BE A MINIMUM OF 24" WIDER THAN THE BUILDING FOOT PRINT DIMENSIONS. THIS IS TO PROVIDE A 12" CONCRETE BORDER ON EACH SIDE OF THE BUILDING.
- ADEQUATE SIZE DRILLED ANCHOR BOLTS. SUGGESTED SIZE: 3/4" X 4 3/4" POWER FASTENERS "POWER STUD" CATALOG #7441SD1.
- COUNTER - 18" DEEP PAINTED GALVANIZED STEEL MOUNTED 40" A.F.F.
- PAINTED STORAGE DRAWER.
- DOOR - 36" SLIDING STEEL WITH WEATHER-STRIPPING, BALL BEARING HANGERS, HEAVY DUTY TRACK, SAFETY GLAZING, HOOK BOLT LOCK, AND HARDWARE.
- 2" DIAMETER HOLE FOR DROP CORDS.
- DUPLEX OUTLET MOUNTED ABOVE COUNTER.
- INTERIOR LIGHT - STARTEK, STARSLEEK (#SLK-110-WL60-WB-35K) 11 WATT LED FIXTURE.
- SWITCH FOR INTERIOR LIGHT.
- HEATER - LFK 484 - 240V/4,800 WATT WALL MOUNTED WITH INTEGRAL THERMOSTAT CONTROL.
- AIR CONDITIONER WITH WALL MOUNTED THERMOSTAT CONTROL - RVP 120V/13,500 BTU ROOF MOUNTED WITH BLACK SHROUD.
- THERMOSTAT FOR AIR CONDITIONER.
- CIRCUIT BREAKER PANEL- SQUARE-D #QO112M100, 120/240V, 12 SPACE, 1Ø-3 WIRE WITH GROUND BAR, 100 AMP MAIN BREAKER AND BRANCH BREAKERS FOR FACTORY INSTALLED DEVICES PROVIDED.

NOTE: PAR-KUT BOOTHS ARE OF SINGLE UNIT WELDED STEEL CONSTRUCTION, FACTORY ASSEMBLED AND DELIVERED SET UP. FAILURE TO SECURELY ANCHOR BOOTH MAY RESULT IN OVERTURNING OF UNIT AND SERIOUS INJURY TO OCCUPANT.

- GLAZING - GRAY TINTED INSULATED TEMPERED SAFETY GLAZING SET IN PAINTED STEEL EXTERIOR WINDOW FRAMES WITH INTERIOR GLAZING STOPS.
- PAIN - FINISH SHALL BE SINGLE COLOR OF CHOICE, IMRON POLYURETHANE HIGH GLOSS INDUSTRIAL COATING. SHALL BE APPLIED TO ALL EXPOSED METAL SURFACES. THIS EXCLUDES FLOOR, ROOF SURFACE, AND ANY STAINLESS STEEL COMPONENTS (IF USED).
- ELECTRICAL - ALL WIRING BY PAR-KUT TO BE #12(MIN) STRANDED COPPER, THHN ENCLOSED IN 1/2"(MIN) E.M.T. AND FLEXIBLE METAL CONDUIT WHERE APPLICABLE PER NATIONAL ELECTRIC CODE. ALL ELECTRICAL EQUIPMENT WILL BE LISTED BY U.L. OR EQUIVALENT RECOGNIZED NATIONAL TESTING LABORATORY. ALL WIRING TO TERMINATE AT C.B. PANEL. ALL CIRCUITS HAVE GREEN GROUND WIRE.
- BOOTH WILL HAVE NO CANOPY OVERHANG.
- LIFTING RING(S) ARE PROVIDED ON ROOF.
- NO ON SITE WORK BY PAR-KUT.
- ACTUAL LOCATION OF ELECTRICAL DEVICES MAY VARY DUE TO INSTALLATION CONSTRAINTS, SHIPPING RESTRICTIONS, OR FOR PROPER PLACEMENT TO SATISFY APPLICABLE CODES.



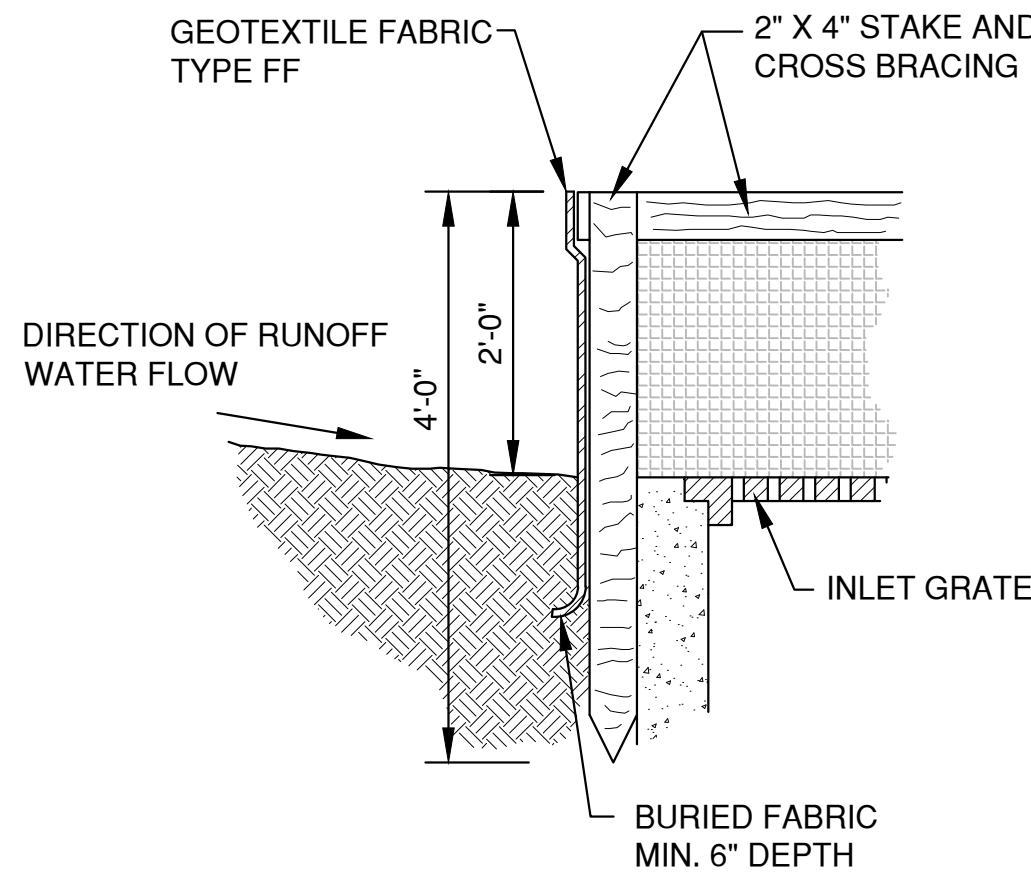
S1 SECTION
NO SCALE



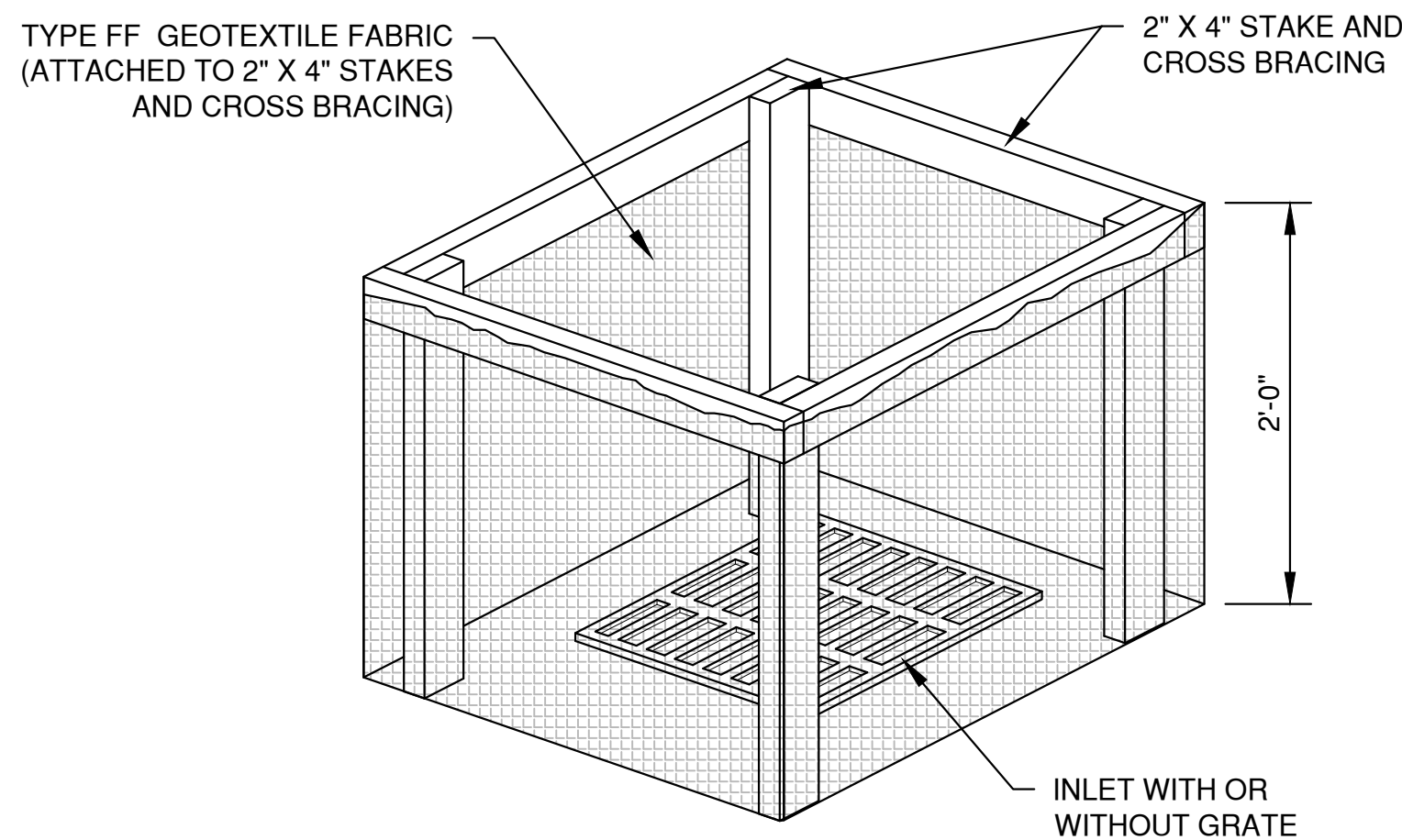
E1 PLAN VIEW

NO.	DATE	APPROV.	REVISION	NO.	DATE	APPROV.	REVISION	DRAWN BDR	3913 LIEN ROAD SITE IMPROVEMENT PLAN FOR CLUB CAR WASH CITY OF MADISON DANE COUNTY, WISCONSIN	MISCELLANEOUS DETAILS	DATE 05/2023 FILE 6256019DETAILS JOB NO. 6256019	Robert E. Lee & Associates, Inc. 1250 Centennial Centre Blvd Hobart, WI 920-662-9641 releinc.com	SHEET NO. 10
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File: P:\2020-2023\2545019\DWG\CS&H\167-C.dwg
Plot Date: May 26, 2023 12:13pm
LAYOUT: 1. INLET PROTECTION



INLET PROTECTION, TYPE A



INLET PROTECTION NOTES:

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

MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE WDOT PRODUCT ACCEPTABILITY LIST MAY BE SUBSTITUTED.

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.

MAINTENANCE NOTES:

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.

INSTALLATION NOTES:
TYPE "B" AND "C"

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

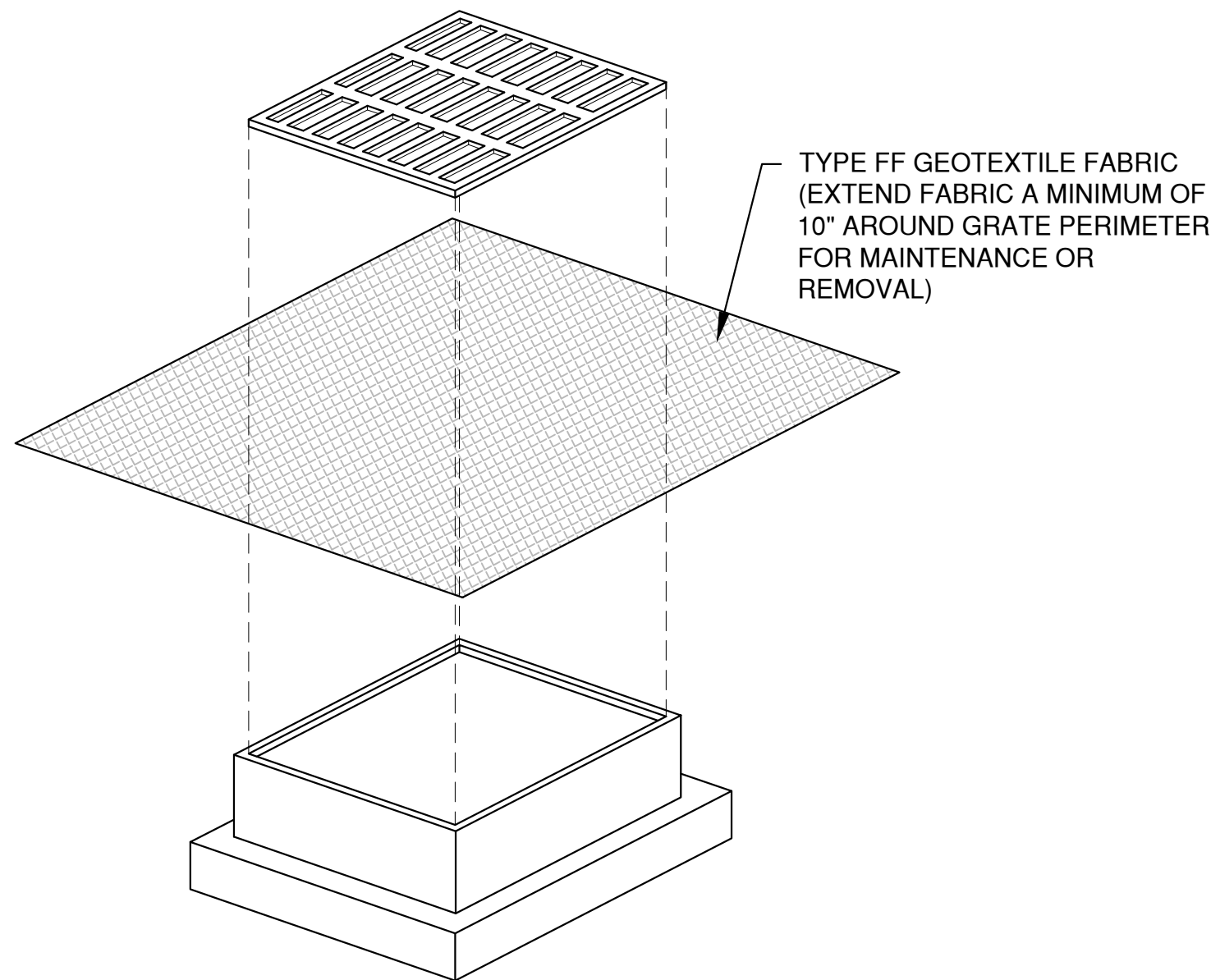
DEMONSTRATE A METHOD OF MAINTENANCE, USING A SEWN FLAP, HAND HOLDS OR OTHER METHOD TO PREVENT ACCUMULATED SEDIMENT FROM ENTERING THE INLET.

TYPE "D"

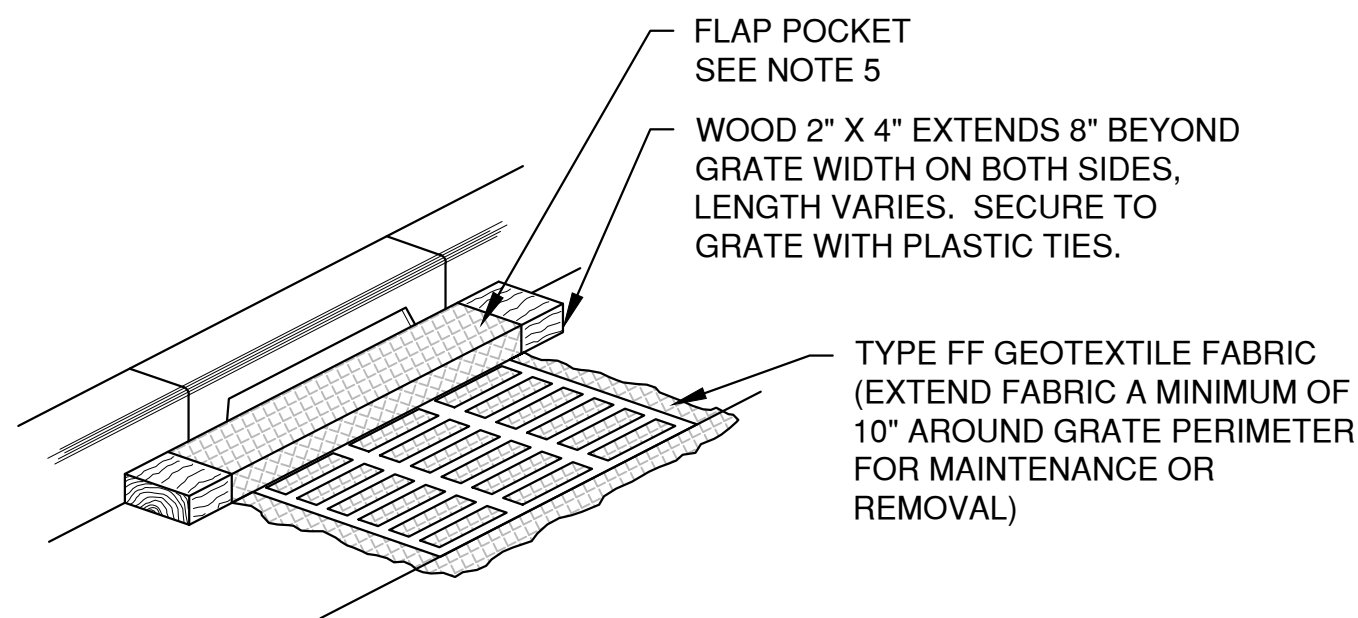
DO NOT INSTALL INLET PROTECTION TYPE D IN INLETS SHALLOWER THAN 30" MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE.

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

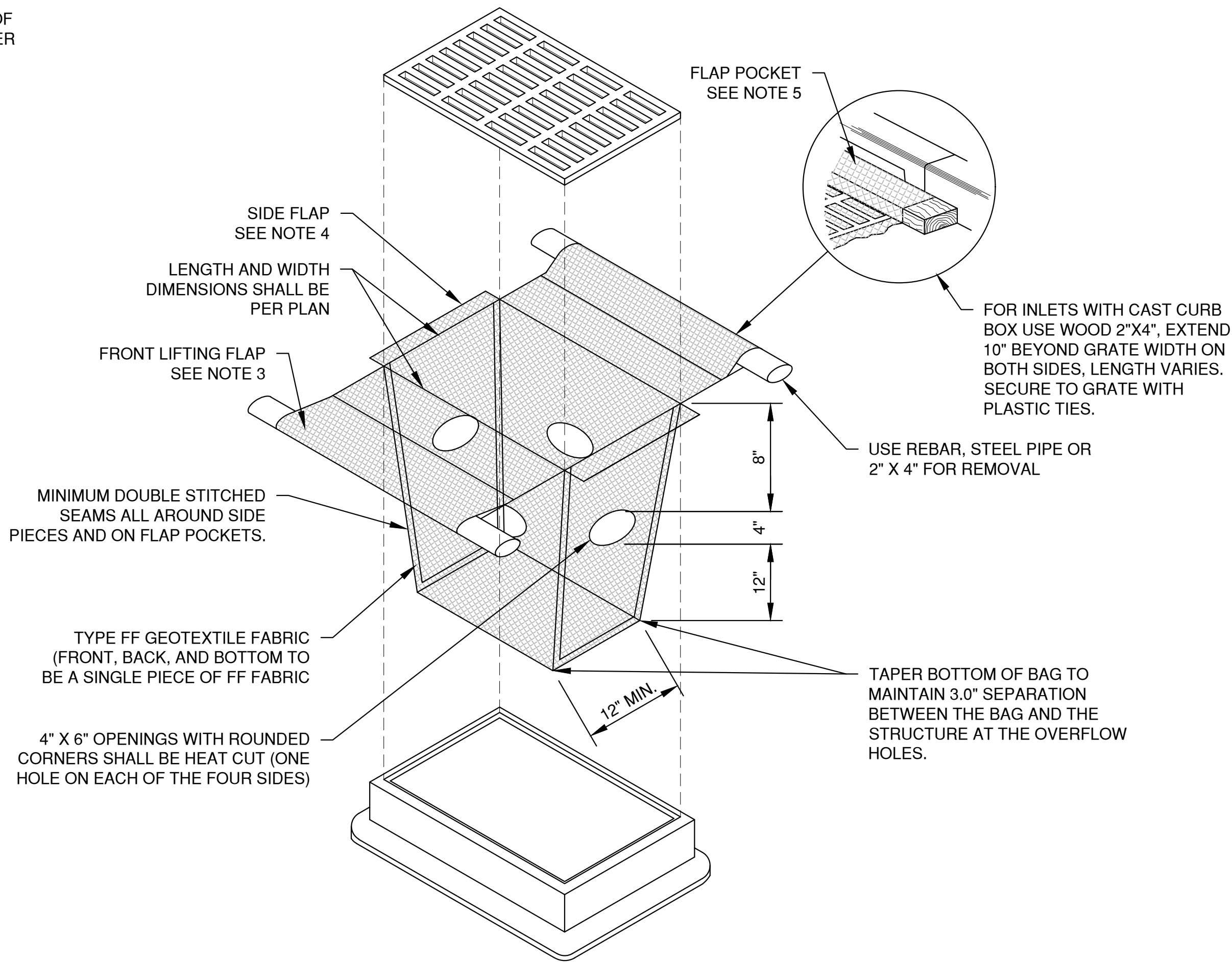
THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY, CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE, THE TIES SHALL BE PLACED AT THE MAXIMUM OF 4" FROM THE BOTTOM OF THE BAG.



INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)
(CAN BE INSTALLED IN ANY INLET WITHOUT A CURB BOX)



INLET PROTECTION, TYPE C
(WITH CURB BOX)



INLET PROTECTION, TYPE D
(CAN BE INSTALLED IN INLETS WITH OR WITHOUT CURB BOXES)

NOTES:

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.

NOTES:

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 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.

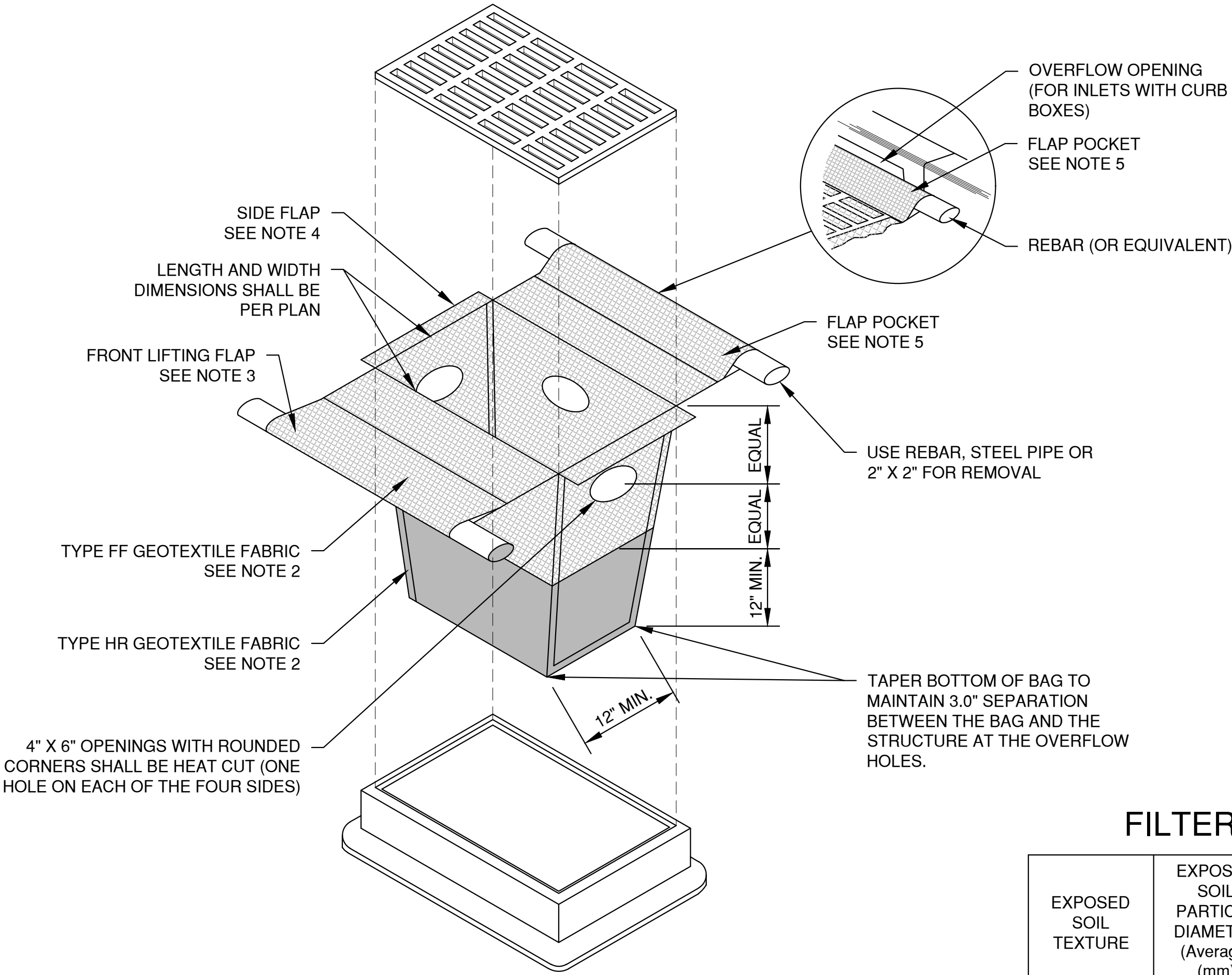
FRONT LIFTING FLAP IS TO BE USED WHEN REMOVING AND MAINTAINING FILTER BAG.
4.

SIDE FLAPS SHALL BE A MAXIMUM OF TWO INCHES LONG. FOLD THE FABRIC OVER AND REINFORCE WITH MULTIPLE STITCHES.
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.

MAINTENANCE NOTES:

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.



INLET PROTECTION, TYPE D-HR
(CAN BE INSTALLED IN INLETS WITH OR WITHOUT CURB BOXES)

FILTER FABRIC TYPE

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

* DF, R OR HR FILTERS MAY BE USED WHERE FF IS THE REQUIRED MINIMUM STANDARD. R OR HR MAY BE USED WHERE DF IS THE REQUIRED MINIMUM STANDARD.

** FOLLOW DESIGN CRITERIA OF WDNR TECHNICAL STANDARD 1060

NOTES:

1.

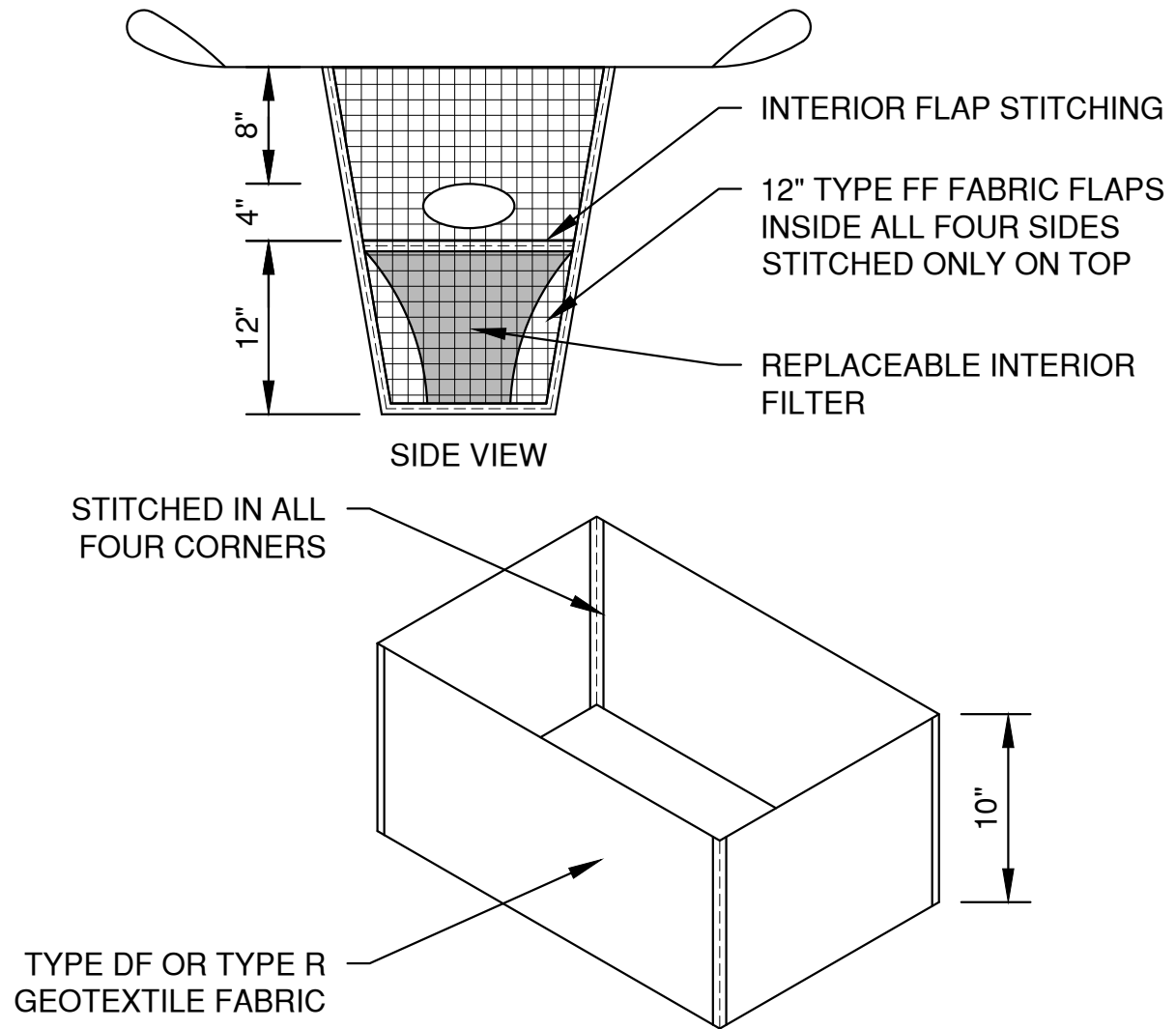
TAPER BOTTOM OF BAG TO MAINTAIN THREE INCHES OF CLEARANCE BETWEEN THE BAG AND THE STRUCTURE, MEASURED FROM THE BOTTOM OF THE OVERFLOW OPENINGS TO THE STRUCTURE WALL.
2.

GEOTEXTILE FABRIC TYPE FF FOR FLAPS, TOP AND BOTTOM OF OUTSIDE OF FILTER BAG. FRONT, BACK AND BOTTOM OF FILTER BAG BEING ONE PIECE.
3.

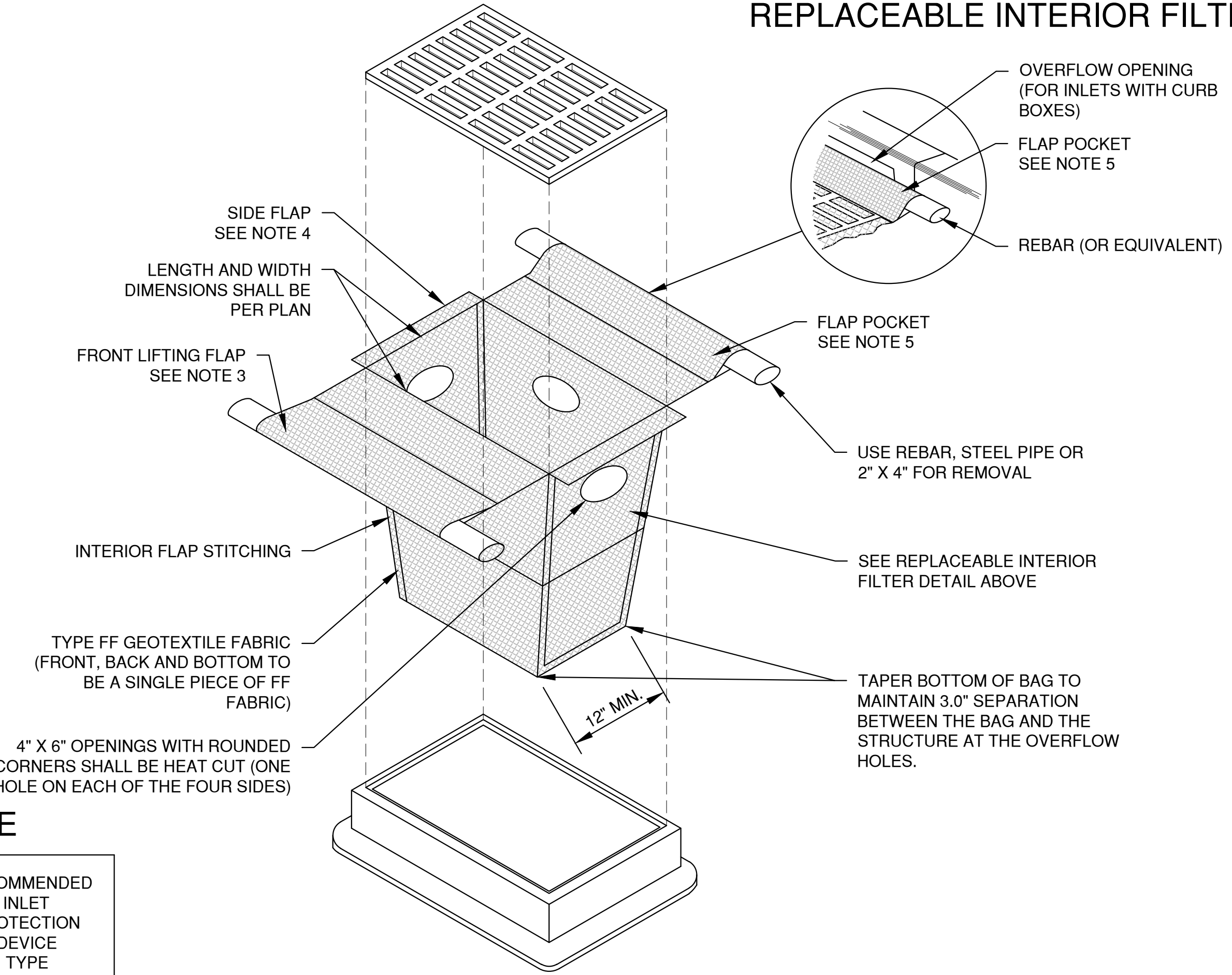
FRONT LIFTING FLAP IS TO BE USED WHEN REMOVING AND MAINTAINING FILTER BAG.
4.

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.



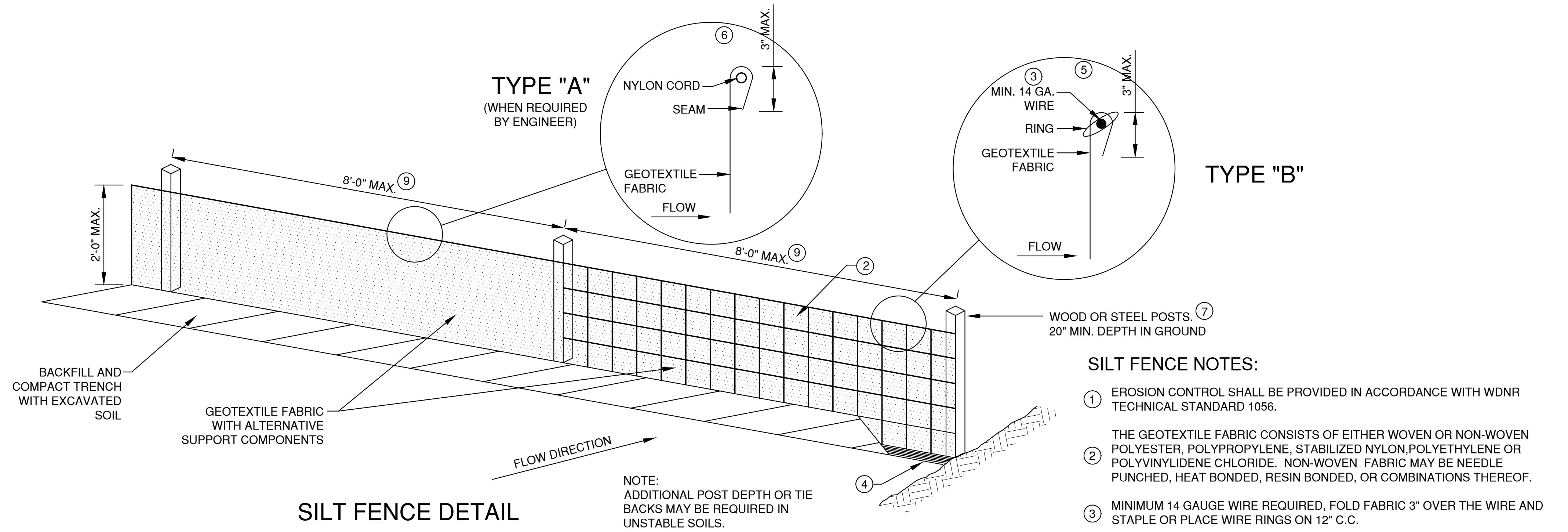
REPLACEABLE INTERIOR FILTER



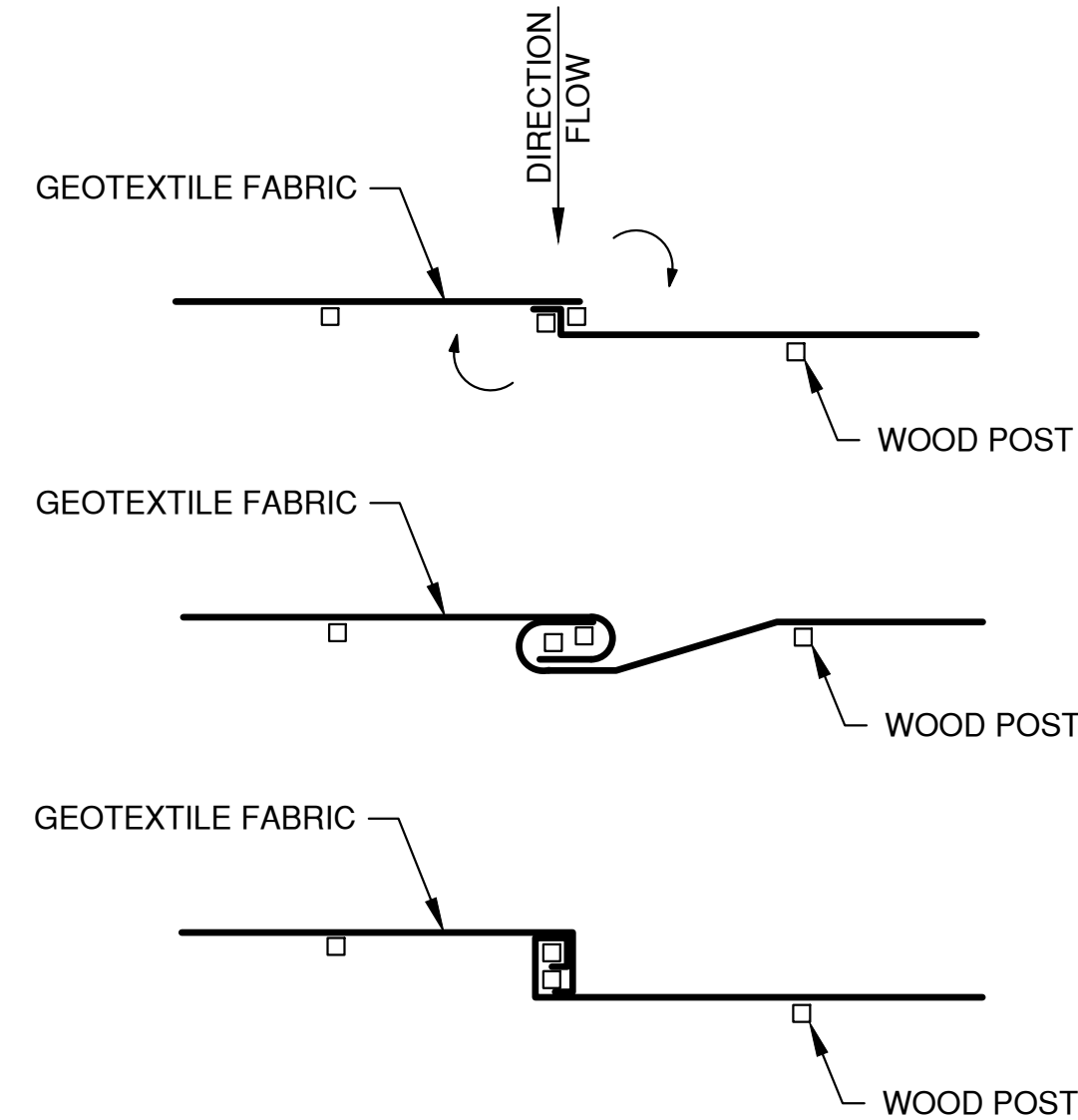
INLET PROTECTION, TYPE D-M
(CAN BE INSTALLED IN INLETS WITH OR WITHOUT CURB BOXES)

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Plot Date: May 26, 2023 12:13pm
LAYOUT: 2 - INLET PROTECTION

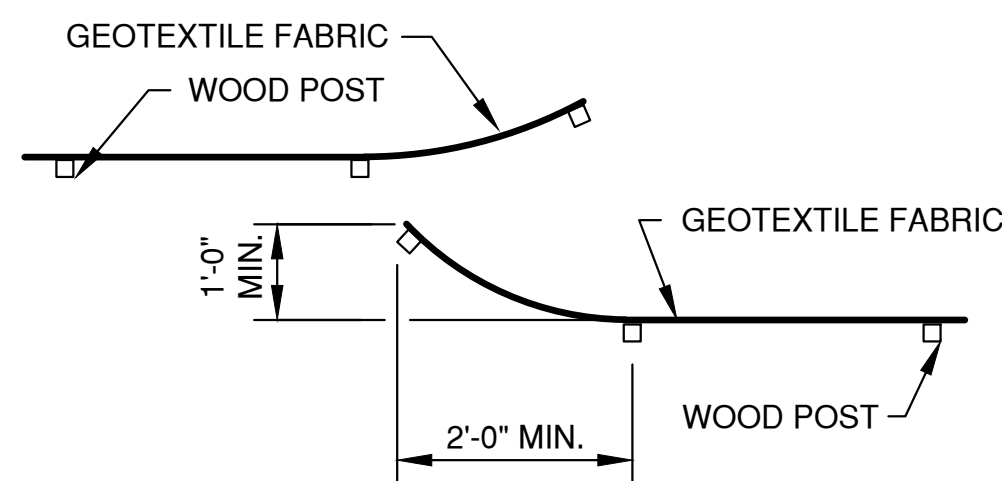
File: P:\2020-2023\254019\DWG\254019EC.dwg
Plot Date: May 26, 2023 12:20pm
LAYOUT: 4 SHEET FLOW



SILT FENCE DETAIL

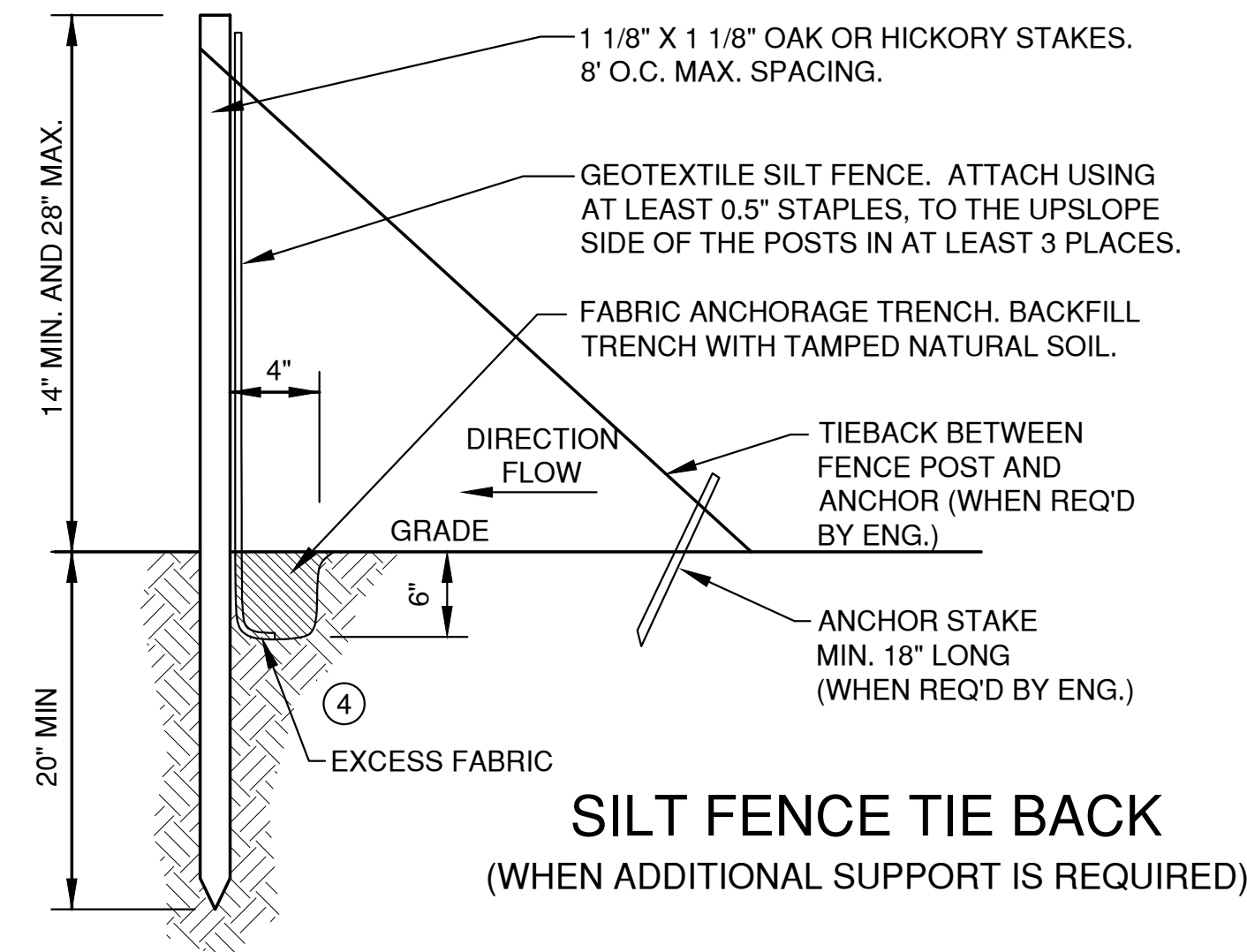


TWIST METHOD ⑧



HOOK METHOD ⑧

JOINING TWO LENGTHS OF SILT FENCE



SILT FENCE TIE BACK
(WHEN ADDITIONAL SUPPORT IS REQUIRED)

EROSION CONTROL SHEET FLOW NOTES:

1. ANY SOIL STOCKPILED THAT REMAINS FOR MORE THAN 7 DAYS, SHALL BE COVERED OR TREATED WITH STABILIZATION PRACTICES SUCH AS TEMPORARY OR PERMANENT SEEDING AND MULCHING.
2. A MINIMUM OF 4" OF TOPSOIL MUST BE APPLIED TO ALL AREAS TO BE SEEDDED OR SODDED.
3. ALL WASTE AND UNUSED BUILDING MATERIALS (INCLUDING GARBAGE, DEBRIS, CLEANING WASTES, WASTEWATER, TOXIC MATERIALS, OR HAZARDOUS MATERIALS) SHALL BE PROPERLY DISPOSED OF AND NOT ALLOWED TO BE CARRIED OFF-SITE BY RUNOFF OR WIND.
4. ALL OFF-SITE SEDIMENT DEPOSITS OCCURRING AS A RESULT OF CONSTRUCTION WORK OR A STORM EVENT SHALL BE CLEANED UP BY THE END OF EACH DAY. **FLUSHING SHALL NOT BE ALLOWED.**
5. ANY SOIL EROSION THAT OCCURS AFTER FINAL GRADING AND/OR THE APPLICATION OF STABILIZATION MEASURES MUST BE REPAIRED AND THE STABILIZATION WORK REDONE.
6. FOR ANY DISTURBED AREA THAT REMAINS INACTIVE FOR GREATER THAN 7 WORKING DAYS, OR WHERE GRADING WORK EXTENDS BEYOND THE PERMANENT SEEDING DEADLINES, THE SITE MUST BE TREATED WITH TEMPORARY STABILIZATION MEASURES SUCH AS SOIL TREATMENT, TEMPORARY SEEDING AND/OR MULCHING.
7. ALL TEMPORARY EROSION CONTROL PRACTICES SHALL BE MAINTAINED UNTIL THE SITE IS STABILIZED WITH 70% VEGETATION AND A NOTICE OF TERMINATION HAS BEEN APPROVED BY THE WDNR.
8. WIND EROSION SHALL BE KEPT TO A MINIMUM DURING CONSTRUCTION. WATERING, MULCH OR A TACKING AGENT MAY NEED TO BE UTILIZED TO PROTECT NEARBY RESIDENCES/WATER RESOURCES.
9. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL THE EROSION CONTROL MEASURES IN CONFORMANCE WITH THE WDNR CONSERVATION PRACTICE STANDARDS LATEST EDITION.
10. UPON COMPLETION OF STORM INLET CONSTRUCTION, INSTALL STORM DRAIN INLET PROTECTION FOR CONSTRUCTION SITE AS SPECIFIED.
11. FINE SEDIMENT ACCUMULATIONS SHALL BE CLEANED FROM STREETS, PRIVATE DRIVES, OR PARKING AREAS BY MANUAL OR MECHANICAL SWEEPING A MINIMUM OF ONCE A WEEK AND BEFORE ALL IMMINENT RAINS
12. EROSION AND SEDIMENT CONTROL STRUCTURES SHALL BE INSPECTED WEEKLY AND WITHIN 24 HOURS OF RAINFALL OF 0.5" OR MORE.

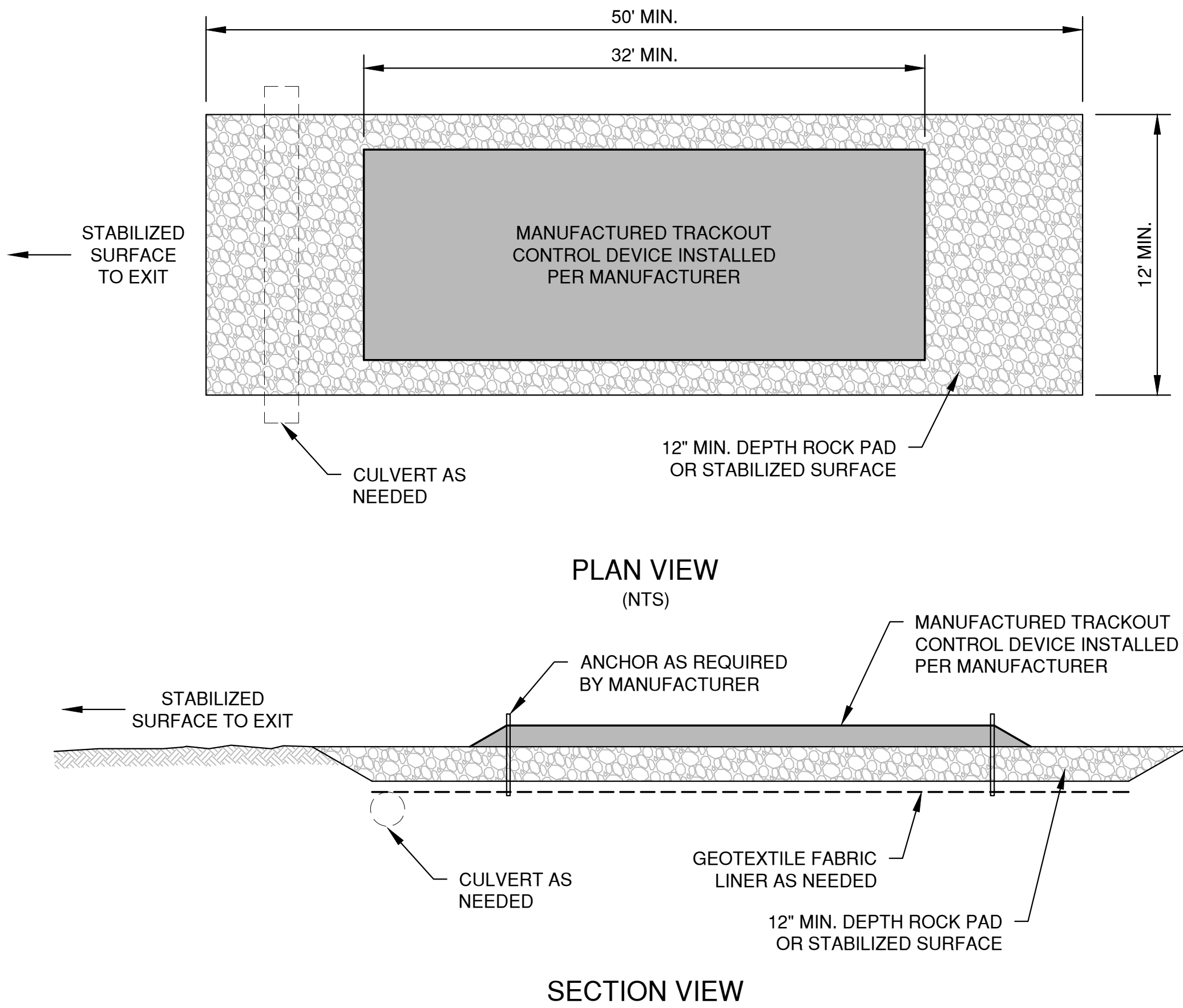
SILT FENCE NOTES:

- ① EROSION CONTROL SHALL BE PROVIDED IN ACCORDANCE WITH WDNR TECHNICAL STANDARD 1056.
- ② THE GEOTEXTILE FABRIC CONSISTS OF EITHER WOVEN OR NON-WOVEN POLYESTER, POLYPROPYLENE, STABILIZED NYLON, POLYETHYLENE OR POLYVINYLIDENE CHLORIDE. NON-WOVEN FABRIC MAY BE NEEDLE PUNCHED, HEAT BONDED, RESIN BONDED, OR COMBINATIONS THEREOF.
- ③ MINIMUM 14 GAUGE WIRE REQUIRED, FOLD FABRIC 3" OVER THE WIRE AND STAPLE OR PLACE WIRE RINGS ON 12" C.C.
- ④ EXCAVATE A TRENCH A MINIMUM OF 4" WIDE AND 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL AND COMPACT TRENCH WITH EXCAVATED SOIL
- ⑤ WIRE SUPPORT FENCE SHALL BE 14 GAUGE MINIMUM WOVEN WIRE WITH A MAXIMUM MESH SPACING OF 6". SECURE TOP OF GEOTEXTILE FABRIC TO TOP OF FENCE WITH STAPLES OR WIRE RINGS AT 12" C.C. (TYPE B)
- ⑥ GEOTEXTILE FABRIC SHALL BE REINFORCED WITH AN INDUSTRIAL POLYPROPYLENE NETTING WITH A MAXIMUM MESH SPACING OF 3/4" OR EQUAL. A HEAVY DUTY NYLON TOP SUPPORT CORD OR EQUIVALENT IS REQUIRED. (TYPE A)
- ⑦ STEEL POSTS SHALL BE 5' LONG WITH A MINIMUM STRENGTH OF 1.33 LBS PER FOOT. WOOD POSTS SHALL BE A MINIMUM SIZE OF 1 1/8" X 1 1/8" OF OAK OR HICKORY. THE POSTS SHALL BE A MINIMUM OF 3' LONG FOR 24" SILT FENCE AND 4' LONG FOR 36" SILT FENCE.
- ⑧ CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL, IF POSSIBLE, BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY, USE ONE OF THE FOLLOWING TWO METHODS: A.) TWIST METHOD -- OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, B.) HOOK METHOD -- HOOK THE END OF EACH SILT FENCE LENGTH.
- ⑨ THE MAXIMUM SPACING OF POSTS FOR WOVEN FABRIC SILT FENCE SHALL BE 8 FEET AND FOR NON-WOVEN FABRIC, 3 FEET.

NO.	DATE	APPROV.	REVISION	NO.	DATE	APPROV.	REVISION	DRAWN BDR	3913 LIEN ROAD SITE IMPROVEMENT PLAN FOR CLUB CAR WASH CITY OF MADISON DANE COUNTY, WISCONSIN	EROSION CONTROL SHEET FLOW DETAILS	DATE 05/2023 FILE 6256019EC JOB NO. 6256019	Robert E. Lee & Associates, Inc. 1250 Centennial Centre Blvd Hobart, WI 920-662-9641 releinc.com	SHEET NO. 13
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File: P:\2020-2023\2548019\DWG\2548019EC.dwg
Plot Date: May 26, 2023 12:12pm
LAYOUT: 5 TRACKOUT
LAYOUT:

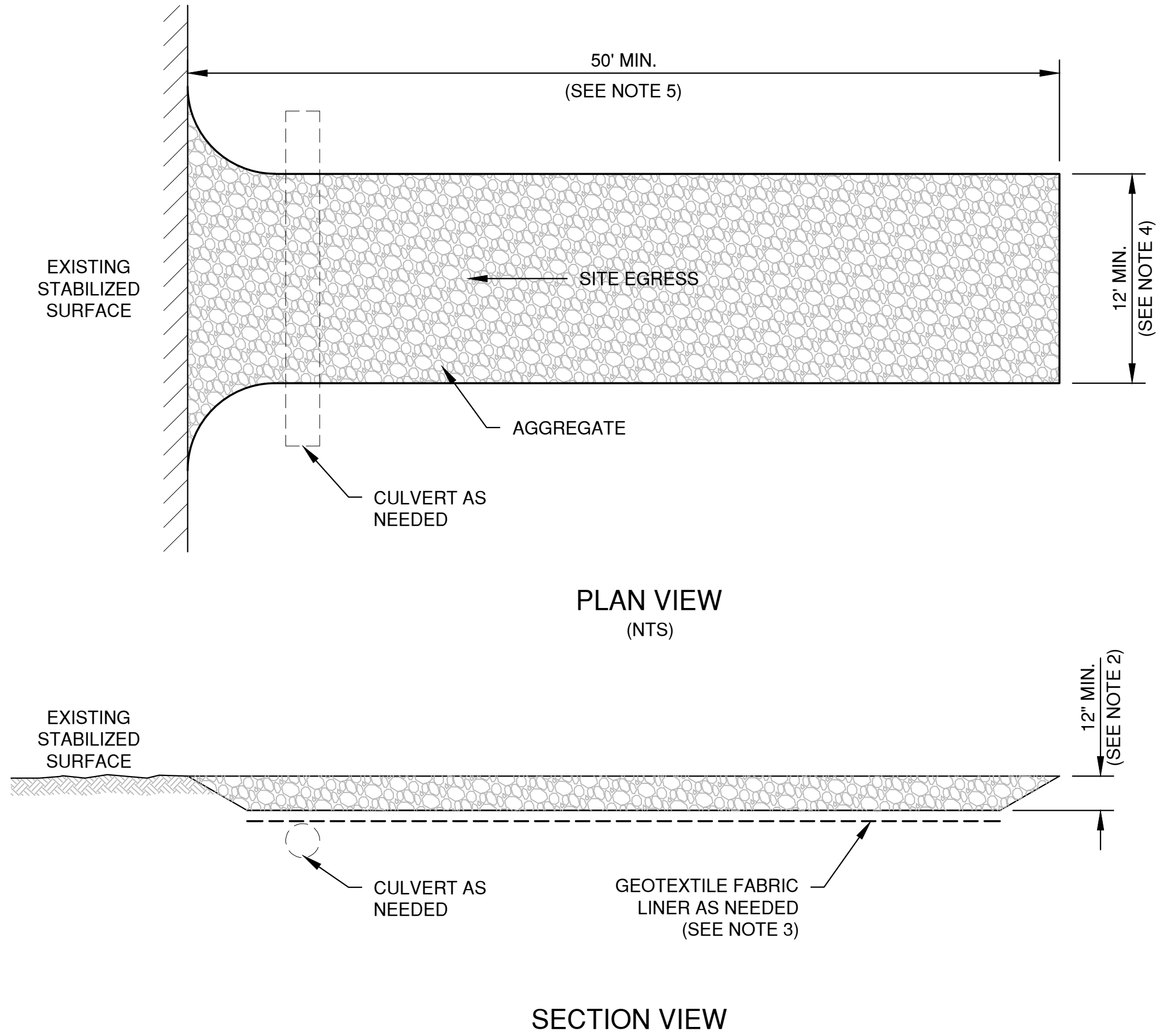
* TRACKOUT CONTROL TO BE PROVIDED PER DETAILS BELOW AND IN ACCORDANCE WITH WDNR TECHNICAL STANDARD 1057



NOTES:

1. 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.
2. INSTALL SUCH THAT RUNOFF FLOWS TO AN APPROVED TREATMENT PRACTICE.
3. 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.
4. SELECT FABRIC TYPE BASED ON SOIL CONDITIONS AND VEHICLES LOADING.
5. 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.
6. IF MINIMUM INSTALLATION LENGTH IS NOT POSSIBLE DUE TO SITE GEOMETRY, INSTALL THE MAXIMUM LENGTH PRACTICABLE AND SUPPLEMENT WITH ADDITIONAL PRACTICES AS NEEDED.
7. ACCOMMODATE EXITING VEHICLES IN EXCESS OF MANUFACTURED TRACKOUT CONTROL DEVICE WEIGHT CAPACITY WITH OTHER TREATMENT PRACTICES.

MANUFACTURED TRACKOUT CONTROL DETAIL



NOTES:

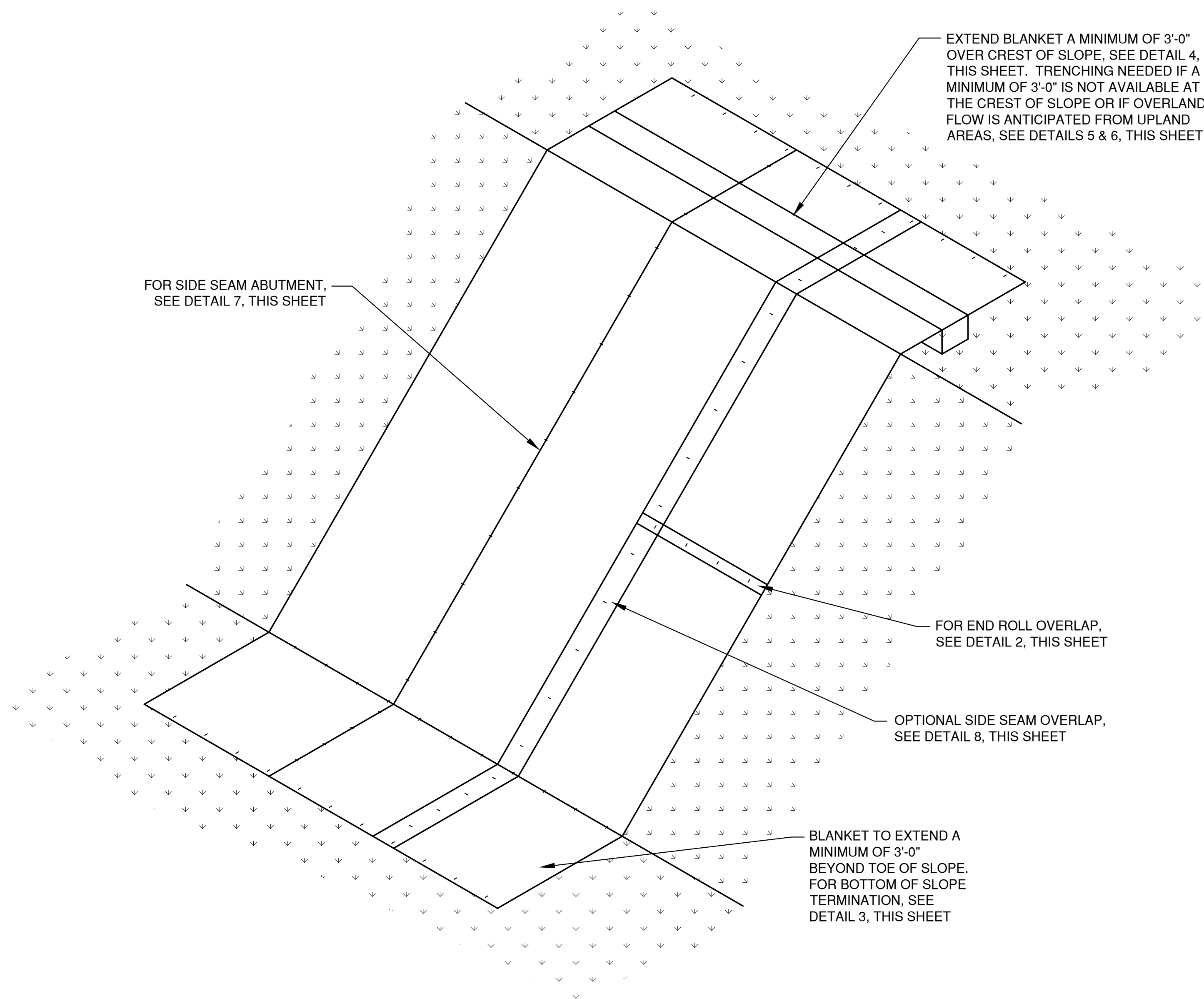
1. USE HARD, DURABLE, ANGULAR STONE OR RECYCLED CONCRETE, MEETING THE FOLLOWING GRADATION:

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
2. SLOPE THE STONE TRACKING PAD IN A MANNER TO DIRECT RUNOFF TO AN APPROVED TREATMENT PRACTICE.
3. SELECT FABRIC TYPE BASED ON SOIL CONDITIONS AND VEHICLES LOADING.
4. 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.
5. IF A 50' PAD LENGTH IS NOT POSSIBLE DUE TO SITE GEOMETRY, INSTALL THE MAXIMUM LENGTH PRACTICABLE AND SUPPLEMENT WITH ADDITIONAL PRACTICES AS NEEDED.

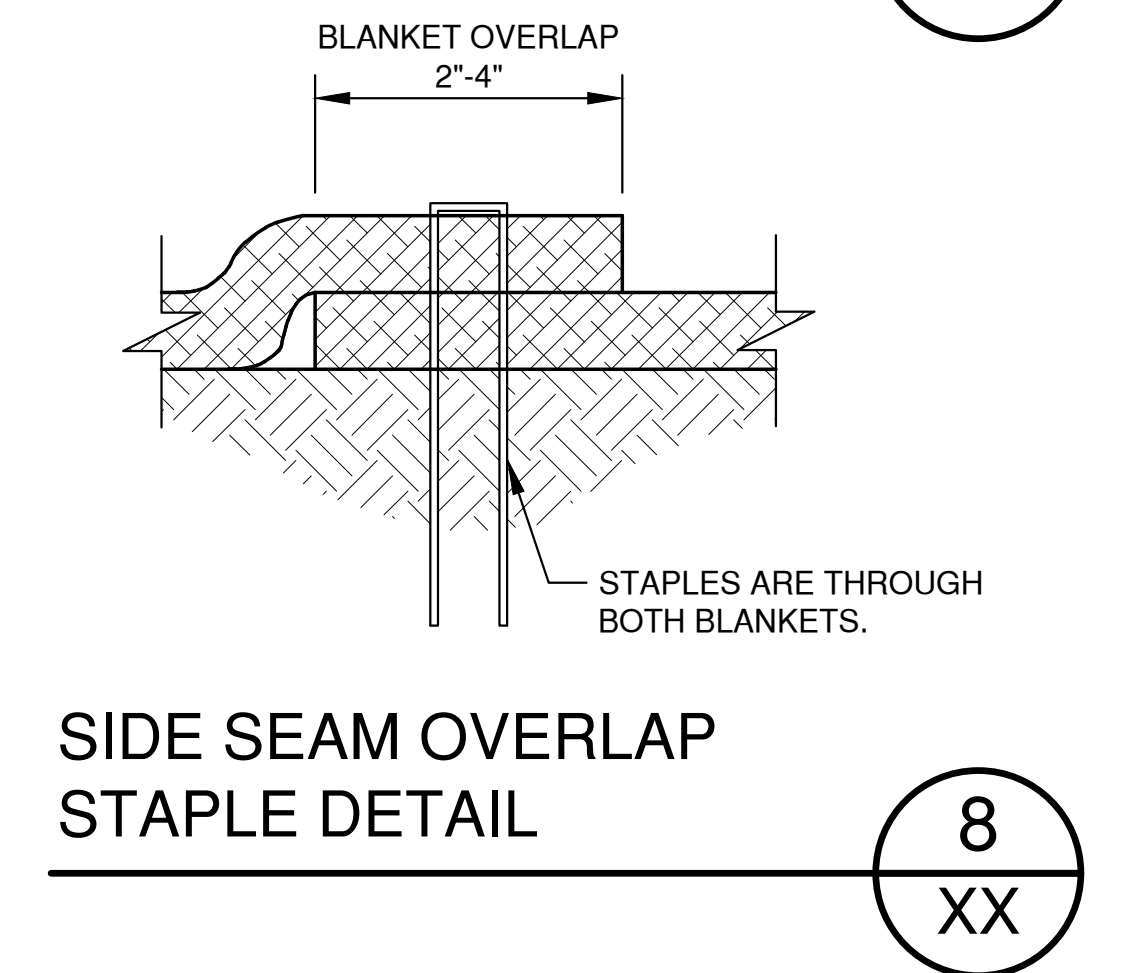
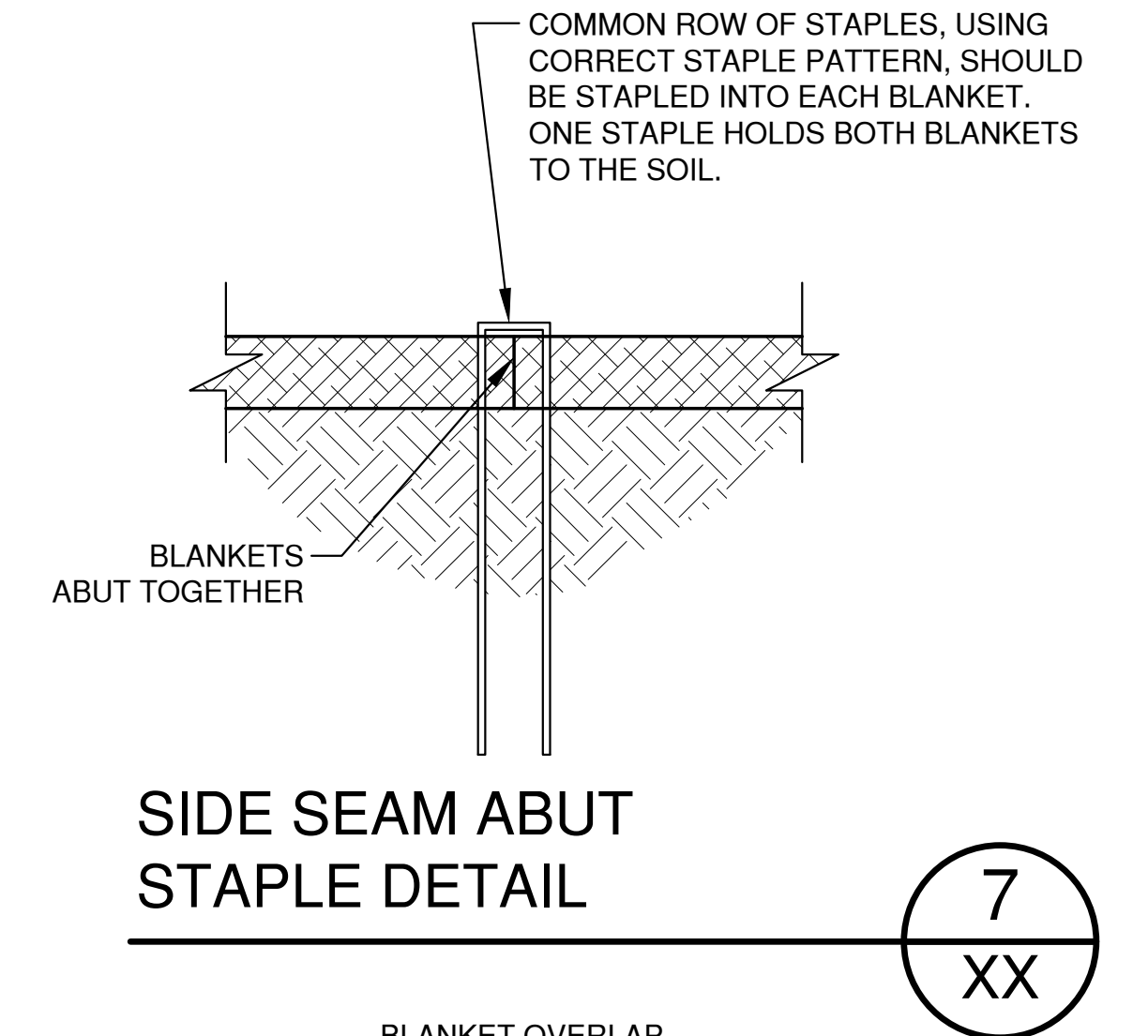
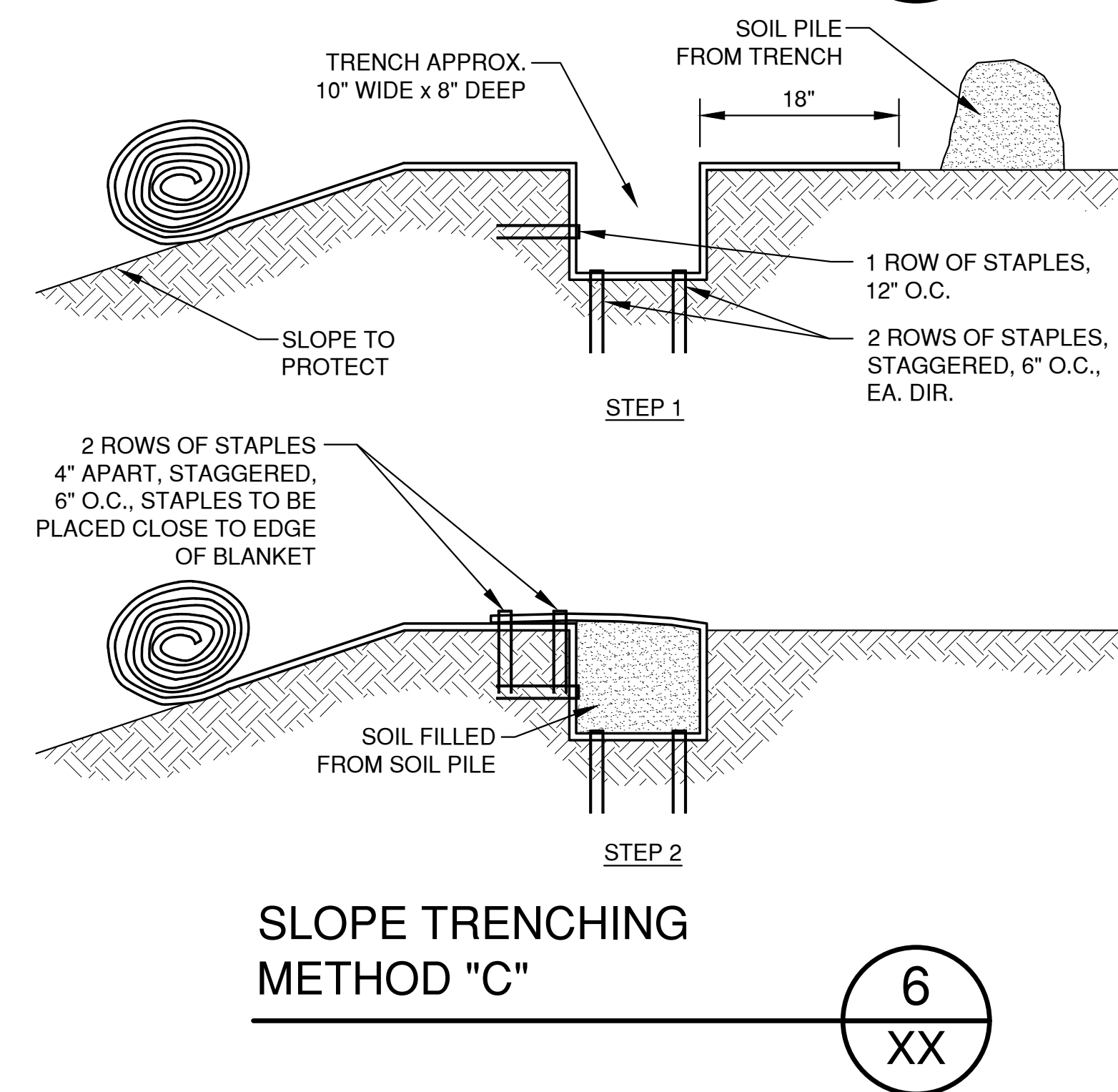
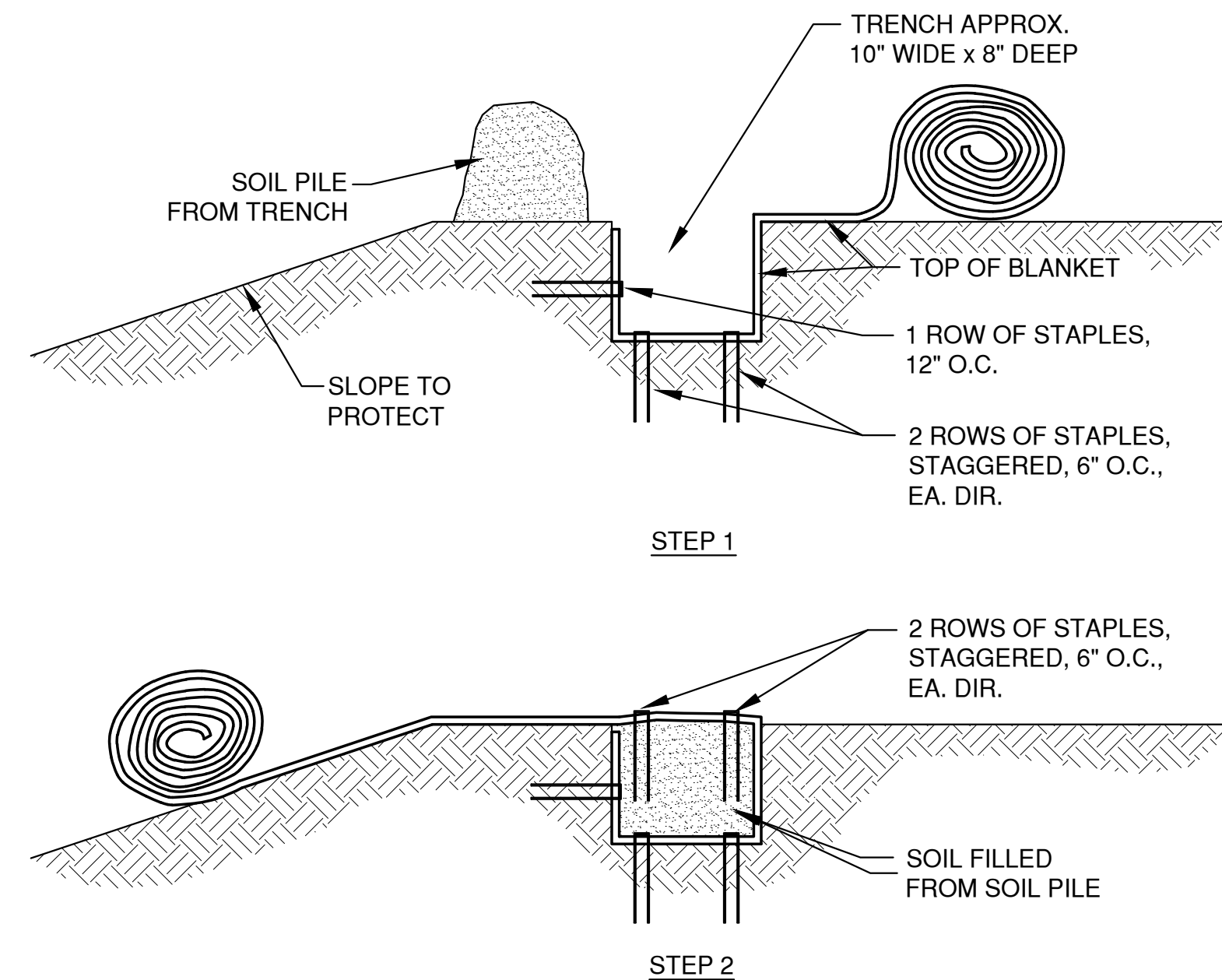
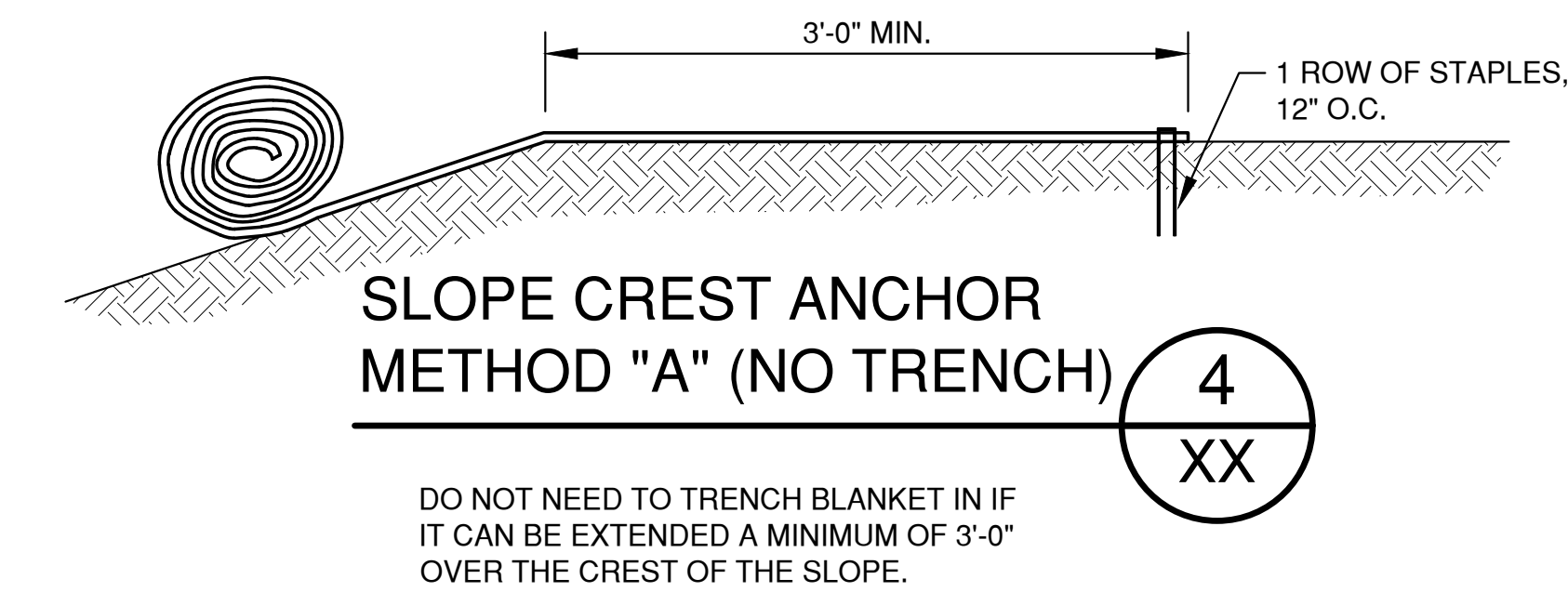
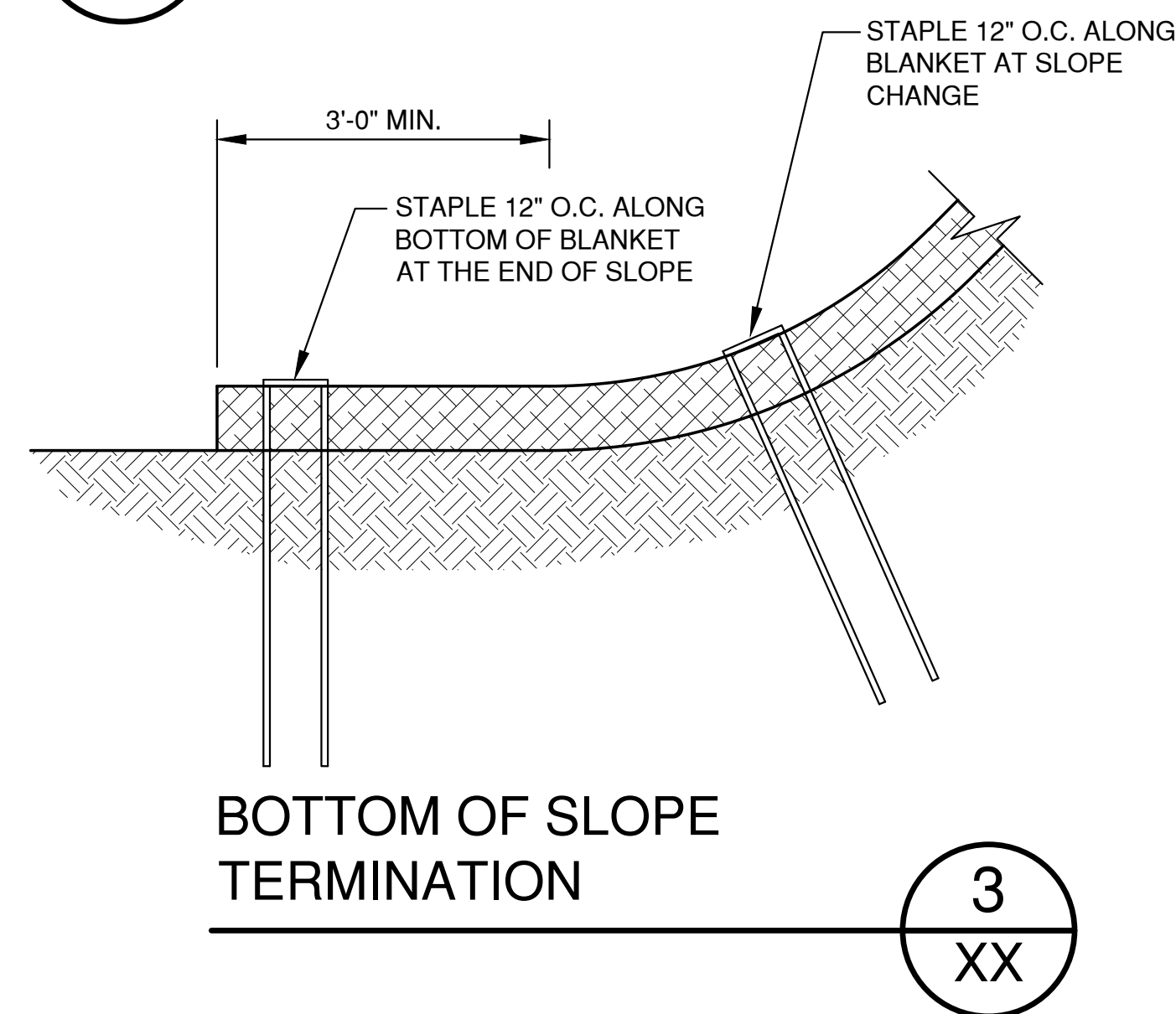
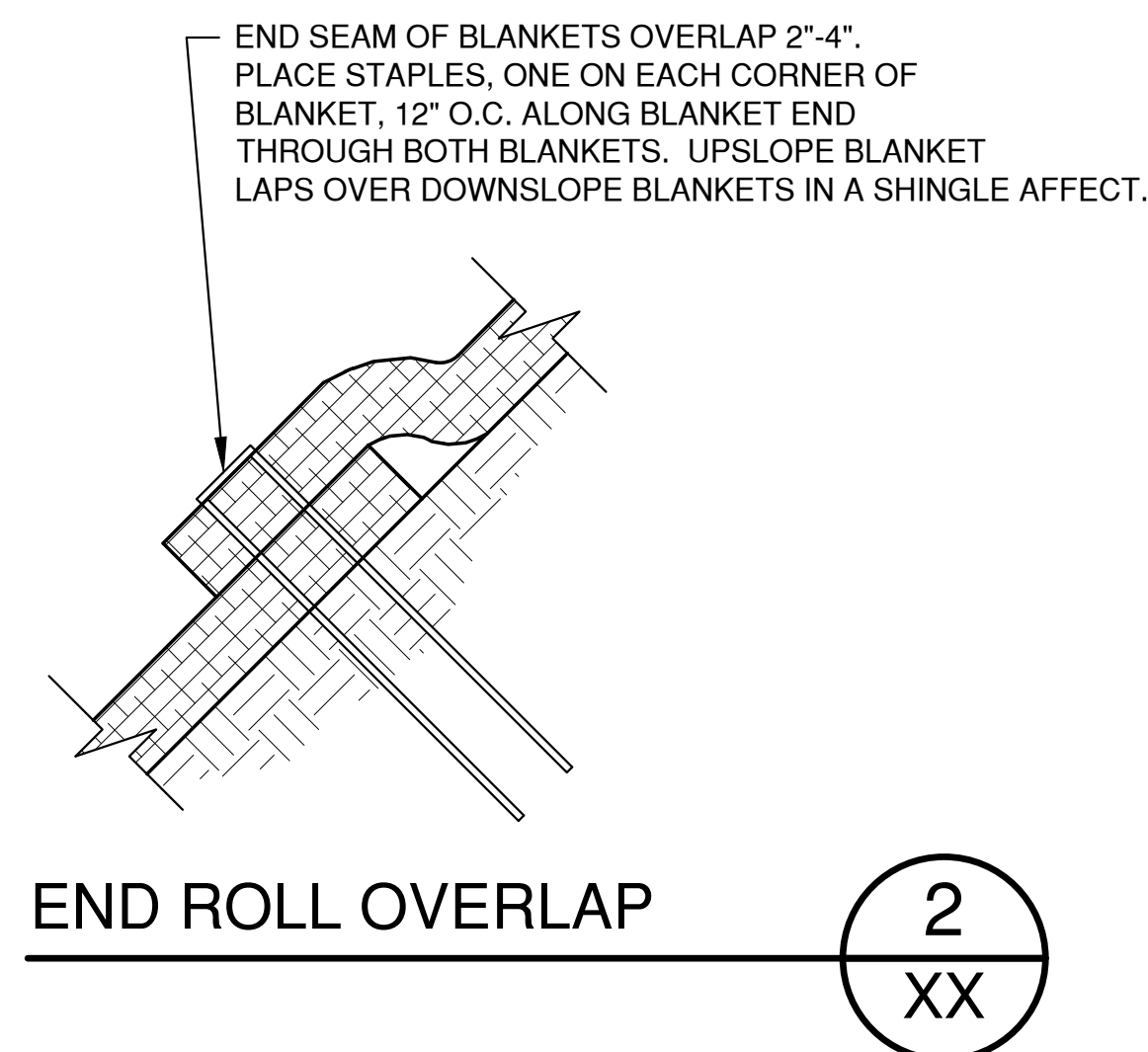
STONE TRACKING PAD DETAIL

NO.	DATE	APPROV.	REVISION	NO.	DATE	APPROV.	REVISION	DRAWN BDR	3913 LIEN ROAD SITE IMPROVEMENT PLAN FOR CLUB CAR WASH CITY OF MADISON DANE COUNTY, WISCONSIN	EROSION CONTROL TRACKOUT CONTROL PRACTICES	DATE 05/2023 FILE 6258019EC JOB NO. 6258019	Robert E. Lee & Associates, Inc. 1250 Centennial Centre Blvd Hobart, WI 920-662-9641 releinc.com	SHEET NO. 14
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Plot Date: May 26, 2023 12:12pm
LAYOUT: 8 SLOPE ERM



SLOPE DETAIL 1 XX



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 BDR	3913 LIEN ROAD SITE IMPROVEMENT PLAN FOR CLUB CAR WASH CITY OF MADISON DANE COUNTY, WISCONSIN	EROSION CONTROL EROSION MAT SLOPE APPLICATION DETAILS	DATE 05/2023 FILE 6256019EC JOB NO. 6256019	SHEET NO. 15
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EXTERIOR MATERIAL LEGEND

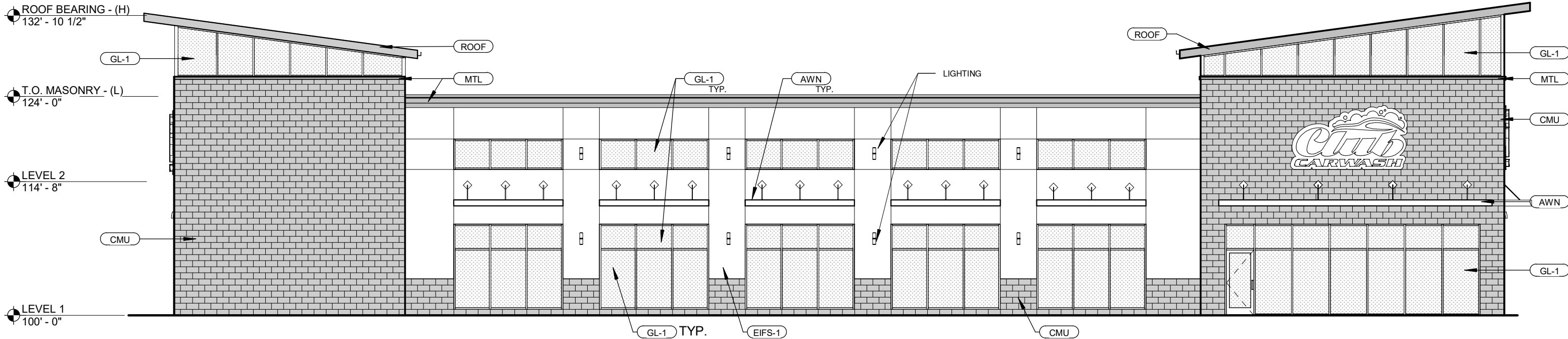
CMU	ARCHITECTURAL 8" CMU SPLIT FACE BLOCK COLOR: Blackened Ash (01-064A)	GL-1	ALUMINUM STOREFRONT GLAZING SYSTEM 2"x4 1/2" Thermal Storefront Framing in Black Painted Aluminum, w/ 1" Insulated LOW-E Tinted Glazing Unit	S/DS	PREFINISHED KYNAR-COATED SHEET METAL SCUPPER AND DOWNSPOUTS (COLOR: Matte Black)
EIFS-1	EXTERIOR INSULATED FINISH SYSTEM COLOR: SW6070 Heron Plume	GL-2	2"x2 1/4" Thermal Storefront Framing in Black Painted Aluminum, w/ 1/4" LOW-E spandrel Glazing Unit	MTL	PREFINISHED KYNAR COATED METAL COPING (COLOR: Matte Black)
EIFS-2	EXTERIOR INSULATED FINISH SYSTEM COLOR: to match CMU,Blackened Ash (01-064A)	AWN	PREFABRICATED PAINTED FLAT METAL AWNING (COLOR: Matte Black)	ROOF	SINGLE PLY TPO OVER TAPERED INSULATION (COLOR: White) STANDING SEAM METAL ROOF WITH METAL FASCIA (COLOR: Matte Black)

FIRST FLOOR NORTH ELEVATION

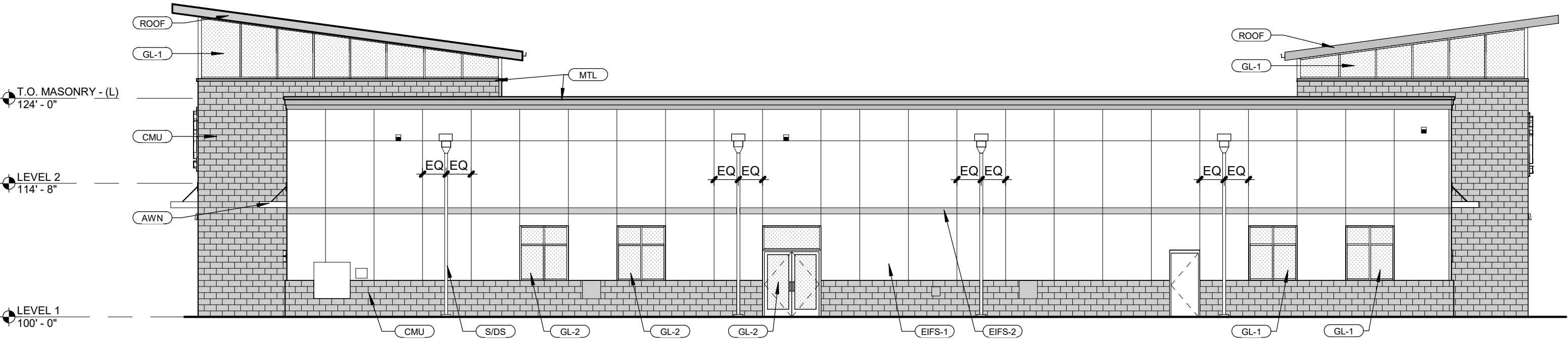
AREA = 1,555 SF
LENGTH = 146'-0"

GLAZING:
REQUIRED AREA = 622 SF
PROVIDED AREA = 853 SF

REQUIRED LENGTH = 87' - 8"
PROVIDED LENGTH = 89' - 4"



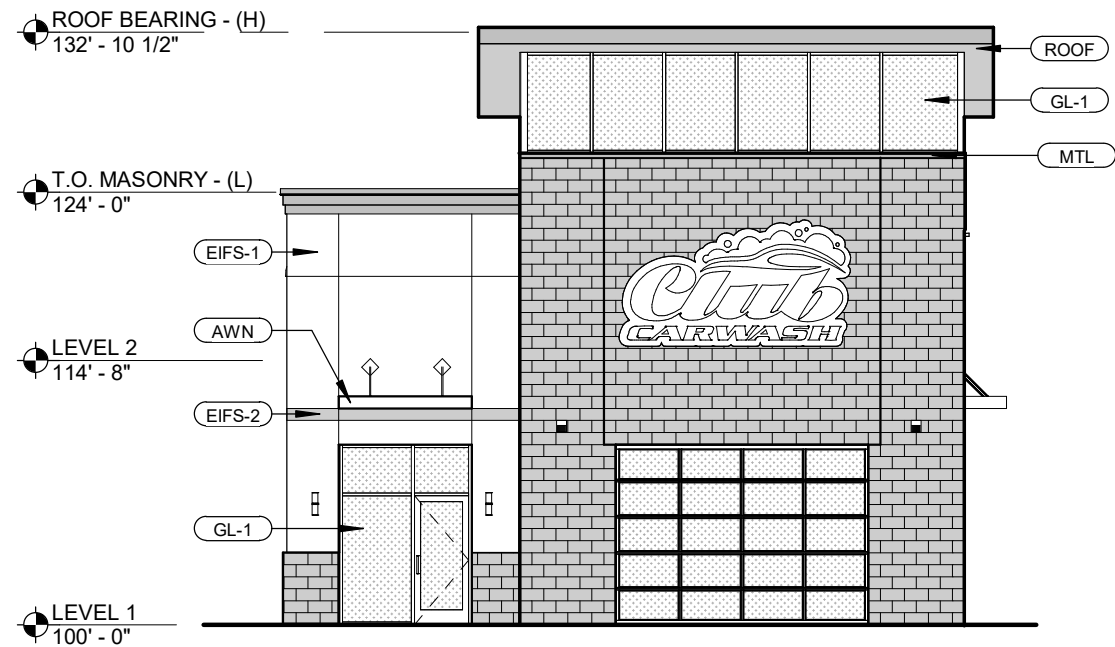
NORTH ELEVATION | 3/32" = 1'-0"



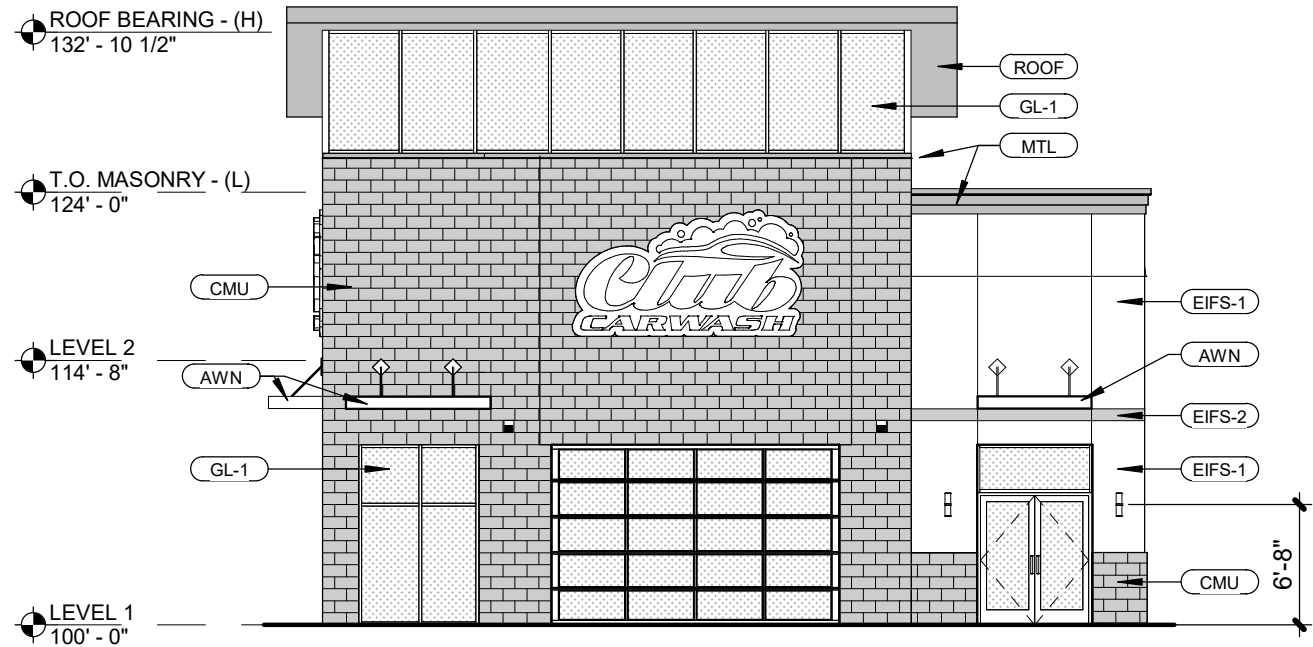
SOUTH ELEVATION | 3/32" = 1'-0"

EXTERIOR MATERIAL LEGEND

CMU	ARCHITECTURAL 8" CMU SPLIT FACE BLOCK COLOR: Blackened Ash (01-064A)	GL-1	ALUMINUM STOREFRONT GLAZING SYSTEM 2"x4 1/2" Thermal Storefront Framing in Black Painted Aluminum, w/ 1" Insulated LOW-E Tinted Glazing Unit	S/DS	PREFINISHED KYNAR-COATED SHEET METAL SCUPPER AND DOWNSPOUTS (COLOR: Matte Black)
EIFS-1	EXTERIOR INSULATED FINISH SYSTEM COLOR: SW6070 Heron Plume	GL-2	2"x2 1/4" Thermal Storefront Framing in Black Painted Aluminum, w/ 1/4" LOW-E spandrel Glazing Unit	MTL	PREFINISHED KYNAR COATED METAL COPING (COLOR: Matte Black)
EIFS-2	EXTERIOR INSULATED FINISH SYSTEM COLOR: to match CMU,Blackened Ash (01-064A)	AWN	PREFABRICATED PAINTED FLAT METAL AWNING (COLOR: Matte Black)	ROOF	SINGLE PLY TPO OVER TAPERED INSULATION (COLOR: White) STANDING SEAM METAL ROOF WITH METAL FASCIA (COLOR: Matte Black)

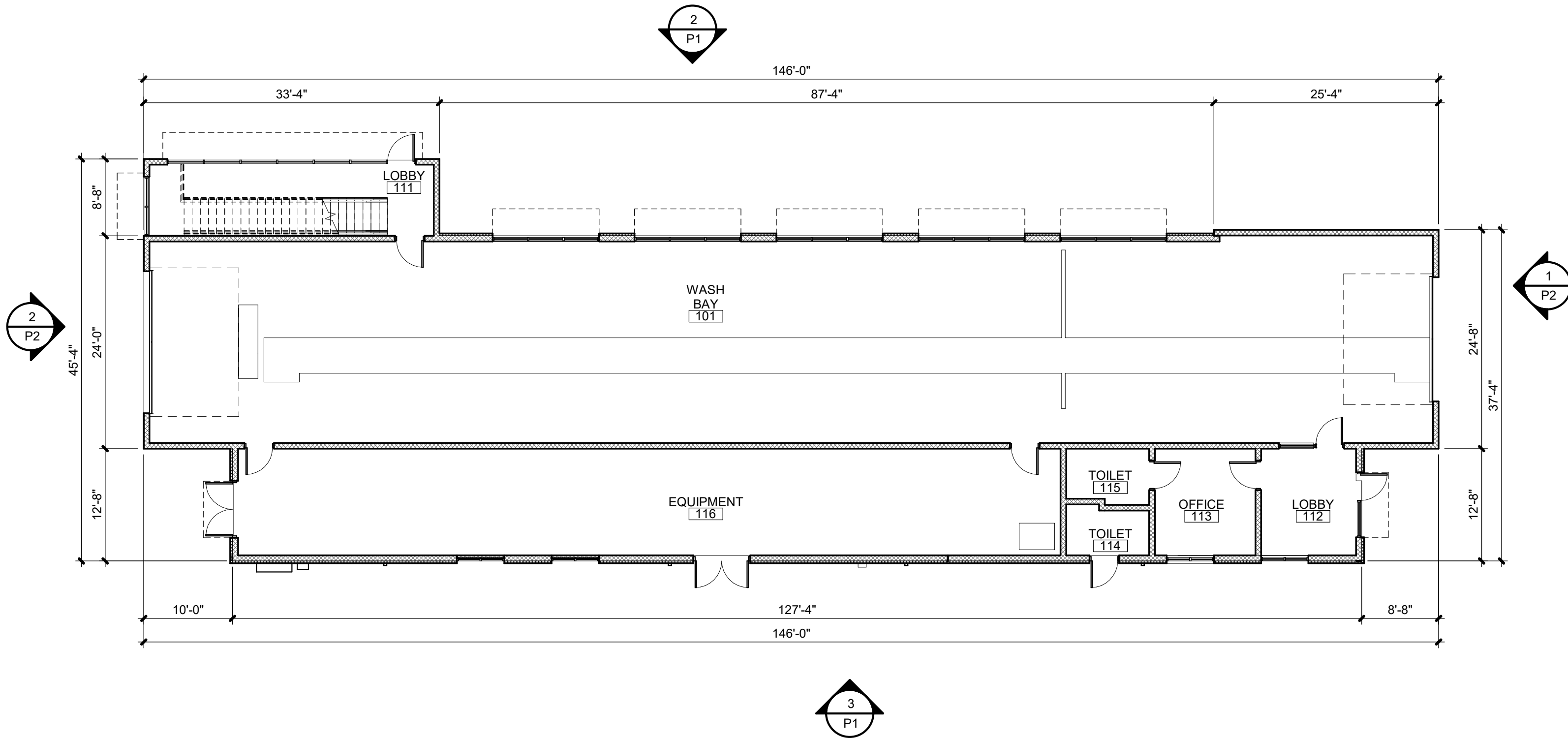


EAST ELEVATION | 3/32" = 1'-0"



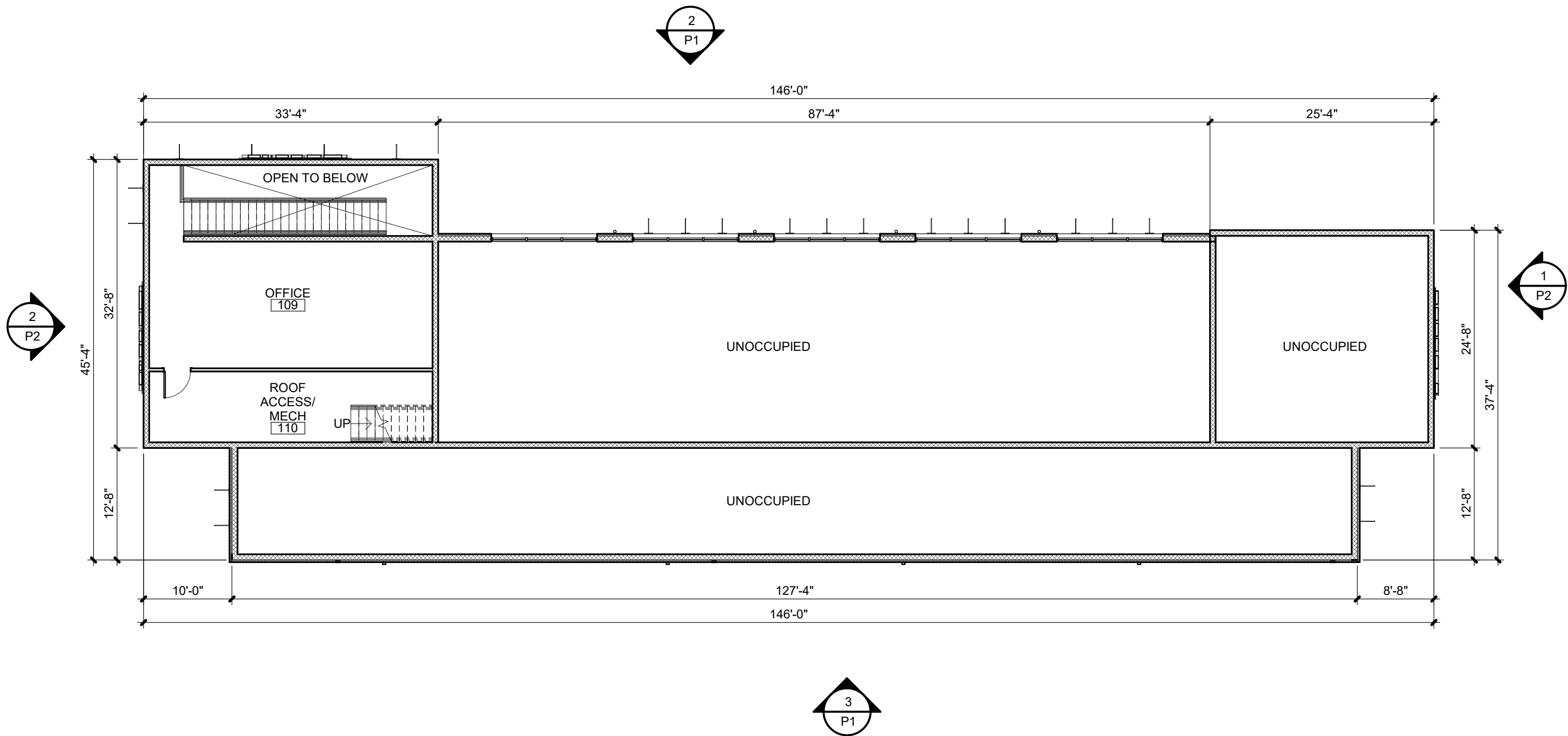
WEST ELEVATION | 3/32" = 1'-0"





FIRST FLOOR PLAN

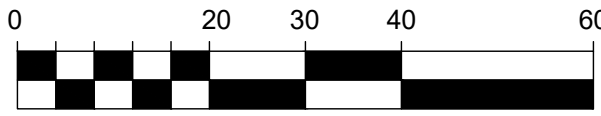




SECOND FLOOR PLAN



LANDSCAPE PLAN



1" = 20'



LANDSCAPE INSTALLATION NOTES:

GENERAL:
-Landscape contractor is responsible for coordinating work with general contractor to ensure the landscape scope of work doesn't interfere with existing or built conditions. They should note any discrepancies to the general contractor.

-Landscape contractor is responsible for verifying the location of underground utilities by calling their local utility marking service.

-All plant material should be inspected by Landscape Contractor prior to installation to determine overall appearance and condition. Plant material that is damaged or has clear signs of stress should be rejected.

-Quantities of material shown on plan take precedence over the specification list or legend.

-If plant substitutions are required, Landscape Contractor is responsible for submitting recommendations to the client or client's representative.

PLANTING:
-When excavating for plant pits, any excess rock or building material should be removed and replaced with specified soil mix backfill.

-All plant tags should be removed from material by landscape contractor.

-All planting beds should receive a minimum 3" deep layer of shredded hardwood mulch, unless otherwise noted.

-Edge all beds with a spade cut edge unless otherwise noted.

-All backfill around plant material rootballs should receive a soil mix of 4 parts (pulverized) topsoil to 1 part fine, organic compost.

-All wire baskets and stakes should be removed during planting.

-Cut and remove top half of burlap around rootballs and cut and remove any twine around trunk or root flare.

-All stakes and guy wires and tree wrap are to be removed no more than 1 year after installation.

PLANT SCHEDULE

TREES	QTY	COMMON NAME / BOTANICAL NAME	SIZE
ACE	8	Acer x freemanii 'Autumn Blaze'	2.5"
GLE	8	Gleditsia triacanthos f. inermis 'Skycole' SKYLINE	2.5"
QUE	7	Quercus rubra	2.5"
SHRUBS	QTY	COMMON NAME / BOTANICAL NAME	SIZE
JUN	39	Juniperus x pfizeriana 'Sea Green'	#3
OWL	13	Juniperus virginiana 'Grey Owl'	#3
SPI	10	Spirea japonica	#3
ROS	16	Rosa 'Meigalpio' PP #17,877	#3
PAN	29	Panicum virgatum 'Heavy Metal'	#1

PLANT LEGEND:

- MAPLE 'AUTUMN BLAZE'
- HONEYLOCUST 'SKYLINE'
- OAK 'NORTHERN RED'
- JUNIPER 'SEA GREEN'
- JUNIPER 'GREY OWL'
- SPIREA, JAPONICA
- ROSE 'RED DRIFT'
- SWITCH GRASS 'HEAVY METAL'

LANDSCAPE REQUIREMENTS:

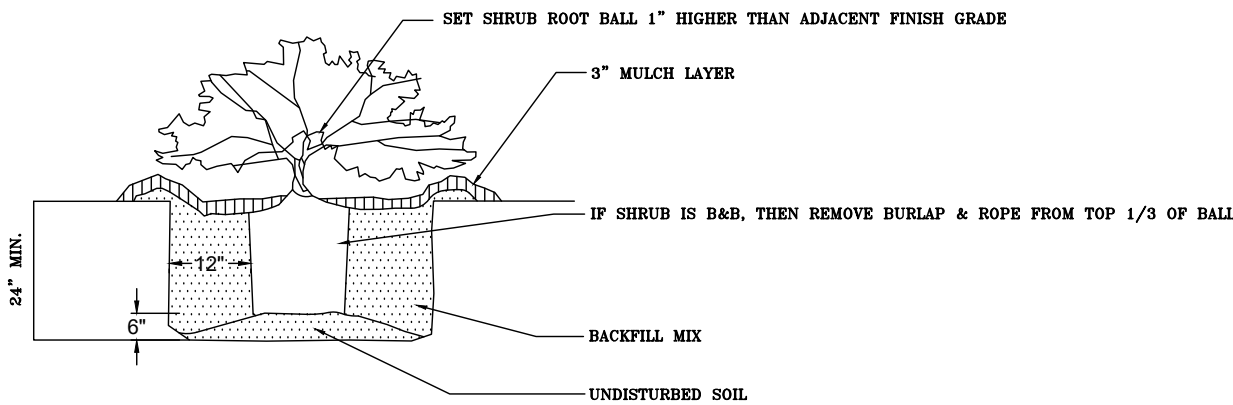
TOTAL AREA	=	53,594 S.F.
BUILDING AREA	=	5,540 S.F.
SIDEWALK/PARKING LOT	=	33,495 S.F.
GREEN SPACE	=	14,559 S.F.
TOTAL PARKING STALLS	=	4 PROVIDED

Five (5) landscape points shall be provided for each three hundred (300) square feet of developed area.

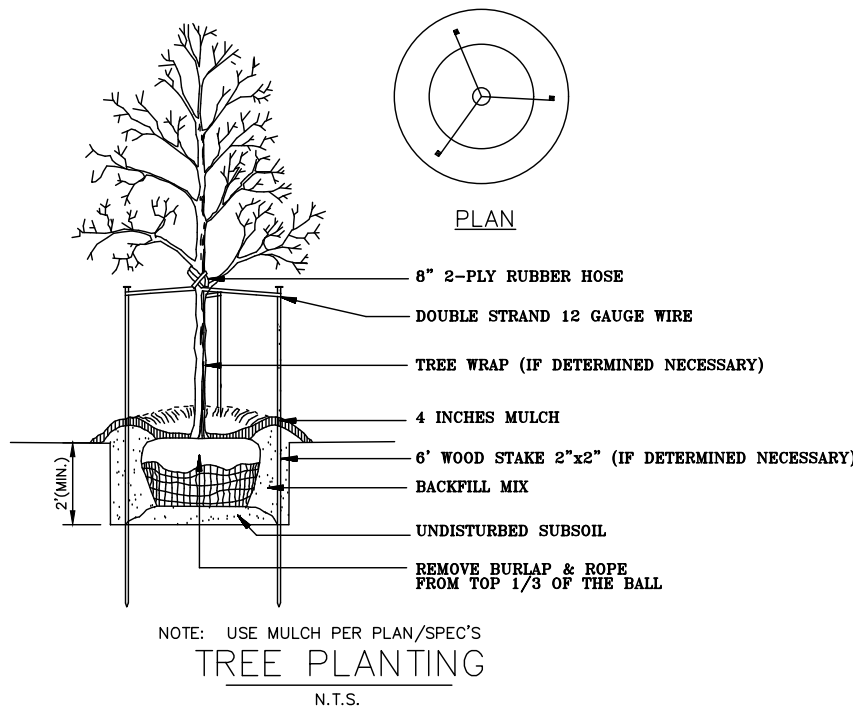
One (1) overstory deciduous tree and five (5) shrubs shall be planted for each thirty (30) lineal feet of lot frontage.

DEVELOPED AREA	=	48,054 S.F.
TOTAL POINTS REQUIRED	=	801 Pts.
TOTAL FRONTAGE	=	288 L.F.

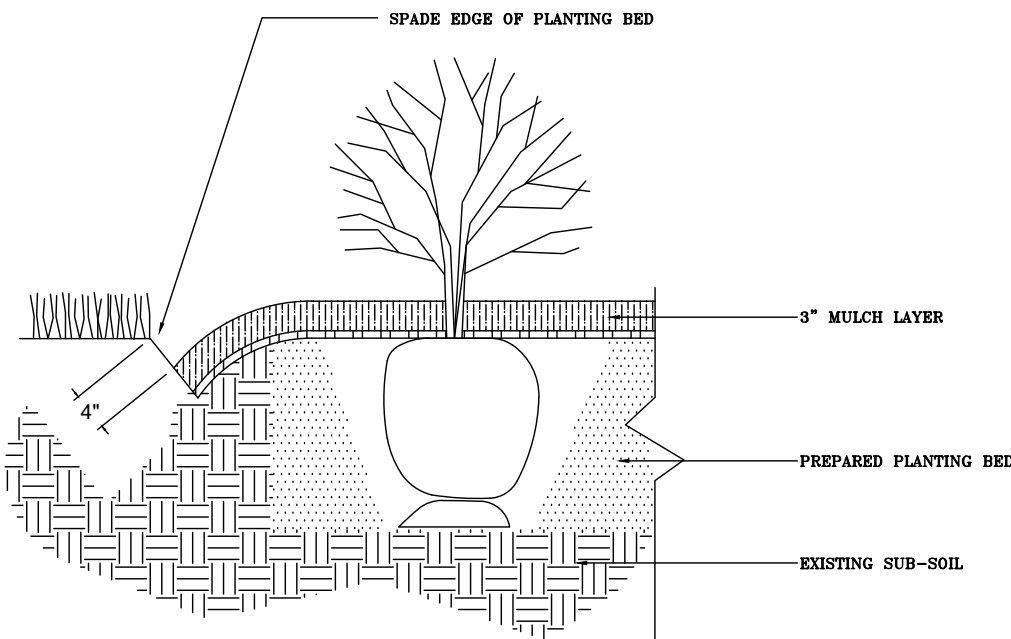
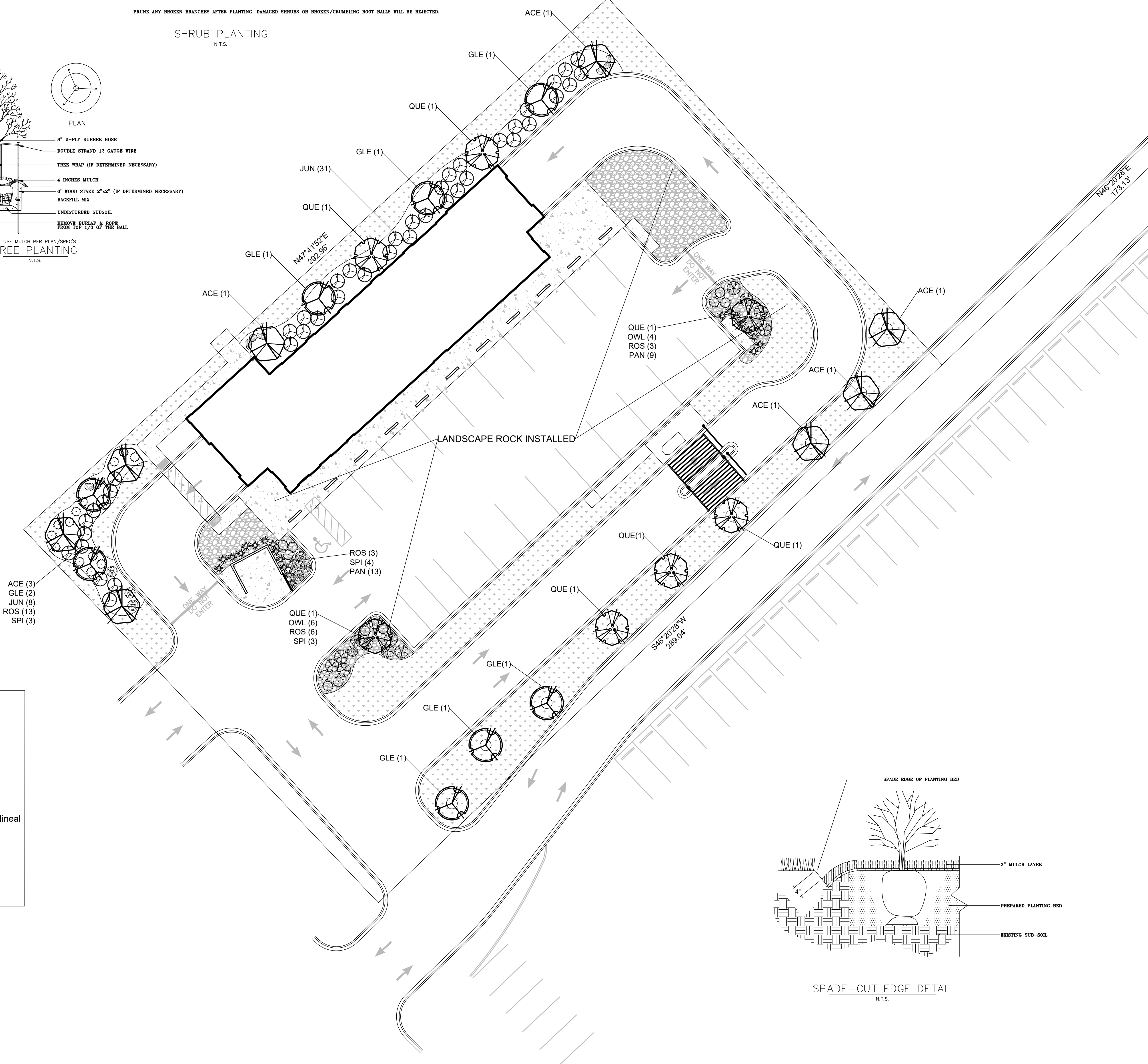
TOTAL POINTS PROVIDED	=	1,025 Pts.
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SHRUB PLANTING
N.T.S.



TREE PLANTING
N.T.S.



SPADE-CUT EDGE DETAIL
N.T.S.



Elevate Outdoor LLC.
1112 Bryan Road
O'Fallon, MO 63366
636-946-1313
www.elevate-outdoor.com

Club Car Wash
3913 Lien Road
Madison, Wisconsin 53704

This drawing is conceptual and is only to be used as a guide for construction. The completed project may differ from this plan in appearance and dimension.

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Drawing Completed:
8-12-2022
5-5-2023
5-24-2023
5-25-2023

Landscape Plan

Project	Catalog #	Type
Prepared by	Notes	Date



McGraw-Edison GALN Galleon II

Area / Site Luminaire

Product Features



Product Certifications



Connected Systems

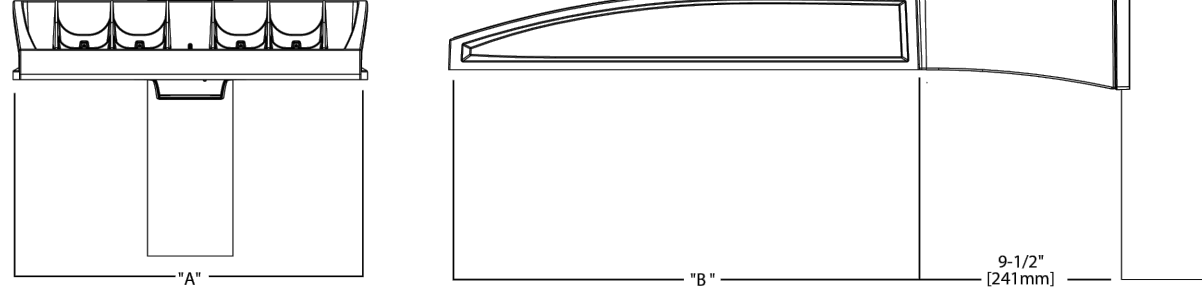
- WaveLinX Lite
- WaveLinX

Quick Facts

- Lumen packages range from 3,300 - 73,500 (33W - 552W)
- 16 optical distributions
- Efficacy up to 159 lumens per watt

Dimensional Details

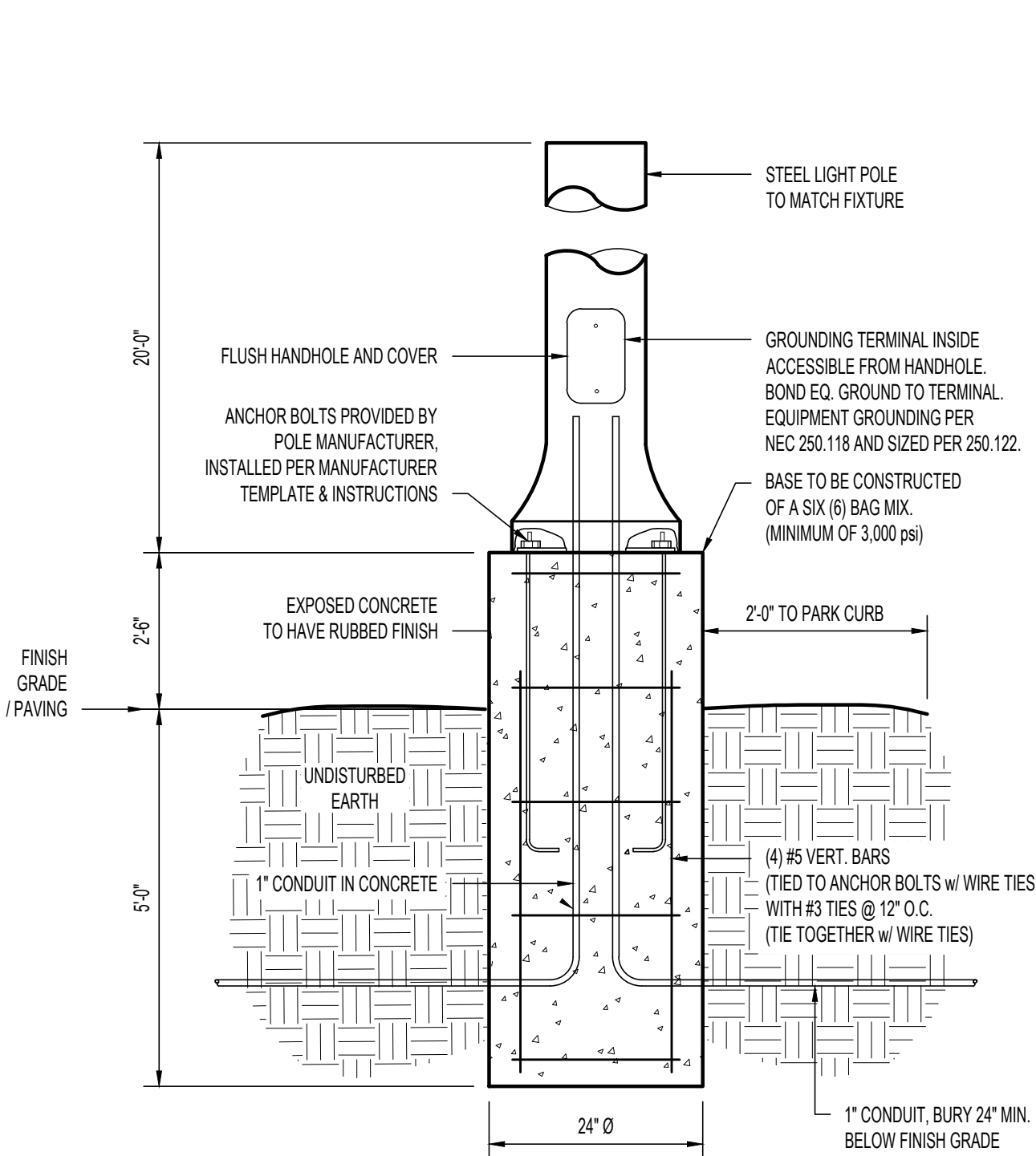
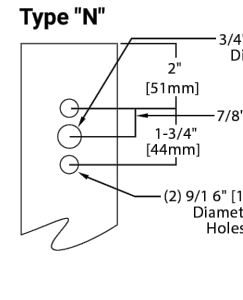
Standard Arm



Number of Light Sources	Width "A"	Housing Length "B"	Weight with Standard or Old Arm	EPA with Standard or Old Arm
1-4	16"	22"	29 lb	0.95
5-6	22"	22"	39 lb	0.95
7-9	22"	28 1/8"	49 lb	1.1

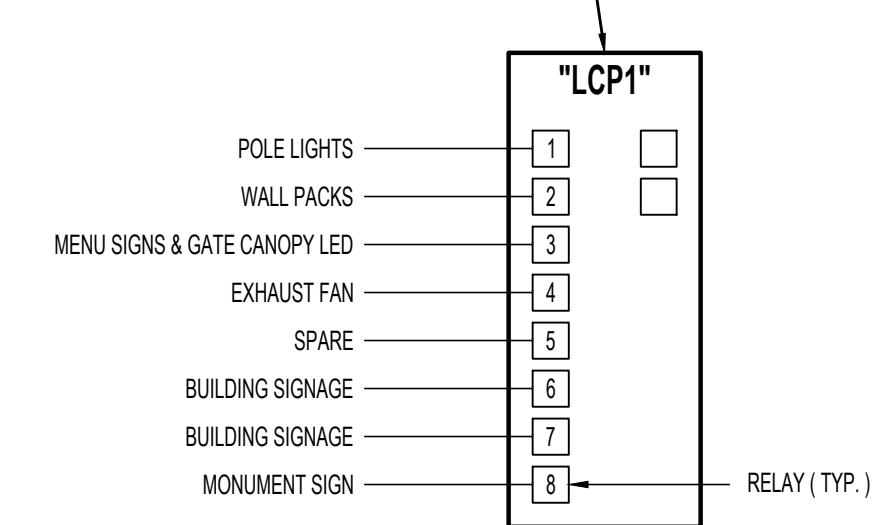
NOTE:
1. For all section requirements and additional line art, see Mounting Details section.
2. EPA Certified (2008 CCT and warmer only, lead mounting options)

Pole Drilling Patterns



TYP. LIGHT POLE DETAIL

WATTSTOPPER LIGHTING CONTROL PANEL "LCP"



RELAY #	OVERRIDE SWITCH	OPERATIONAL SCHEDULE
1	NO	SET TO ON DURING NIGHT HOURS w/ ASTRONOMICAL CLOCK
2	NO	SET TO ON DURING NIGHT HOURS w/ ASTRONOMICAL CLOCK
3	NO	SET TO RUN DURING OCCUPIED HOURS
4	NO	SET TO RUN DURING OCCUPIED HOURS
5	NO	SET TO ON DURING NIGHT HOURS w/ ASTRONOMICAL CLOCK & SET TO TURN OFF 1 HR. AFTER CLOSING
6	NO	SET TO ON DURING NIGHT HOURS w/ ASTRONOMICAL CLOCK
7	NO	SET TO ON DURING NIGHT HOURS w/ ASTRONOMICAL CLOCK
8	NO	SET TO ON DURING NIGHT HOURS w/ ASTRONOMICAL CLOCK

NOTE: VERIFY LIGHTING OPERATION SCHEDULE WITH OWNER.

LIGHTING CONTROL PANEL DETAIL

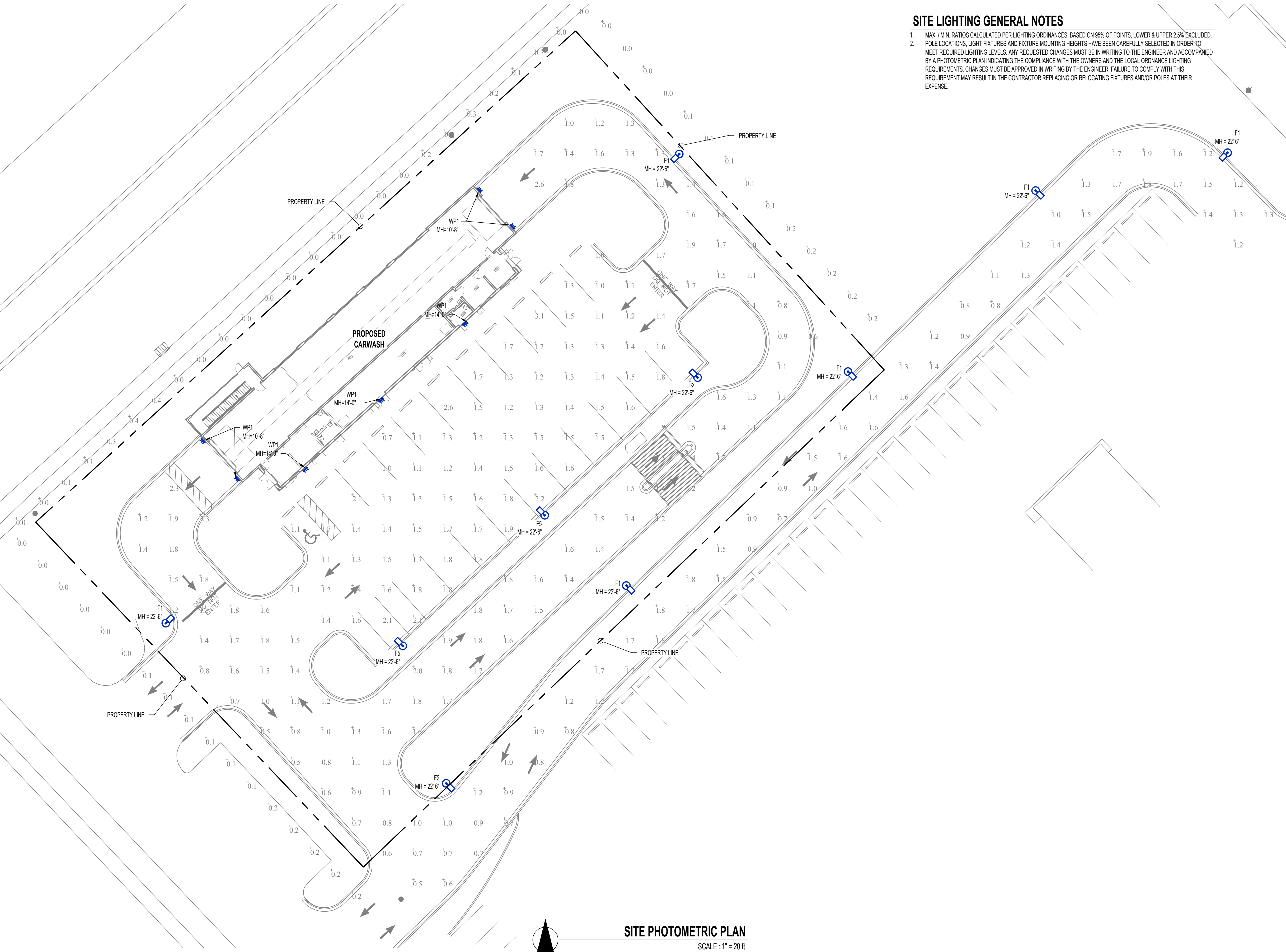
MARK	MANUFACTURER	MODEL NO.	TYPE	VOLTS	AMPS	WATTS	LUMENS	CCT ("K")	CRI	LAMPS	MOUNTING	REMARKS
F1	MCGRW EDISON	GALN-SA1C-740-U-13-HSS	POLE LIGHT	277	0.21	57	5,186	4000	70	LED	POLE	WITH BLACK 20'-0" SQUARE STRAIGHT STEEL POLE, HOUSESIDE SHIELDS
F2	MCGRW EDISON	GALN-SA1C-740-U-5WQ	POLE LIGHT	277	0.21	57	5,473	4000	70	LED	POLE	WITH BLACK 20'-0" SQUARE STRAIGHT STEEL POLE
F5	MCGRW EDISON	GALN-SA2C-740-U-5WQ	POLE LIGHT	277	0.39	108	10,877	4000	70	LED	POLE	WITH BLACK 20'-0" SQUARE STRAIGHT STEEL POLE
WP1	LUMARK	XTOR4B-W	WALL PACK	277	0.14	38	4,269	4000	70	LED	WALL	

- NOTES:
- ALL LIGHT FIXTURES, POLES, AND ASSOCIATED EQUIPMENT SHALL BE SUPPLIED BY OWNER, INSTALLED BY CONTRACTOR.
 - LIGHT FIXTURES ARE SUPPLIED BY OWNER AS PART OF A NATIONAL ACCOUNT WITH LIGHTING ASSOCIATES, INC. PLEASE CONTACT JUSTIN HATFIELD AT LIGHTING ASSOCIATES INC WITH QUESTIONS: 573-289-0880 jhatfield@laiweb.net
 - THE ELECTRICAL CONTRACTOR IS TO COORDINATE COUNTS OF FIXTURES WITH LIGHTING ASSOCIATES, INC.
 - THE ELECTRICAL CONTRACTOR IS TO COORDINATE FIXTURE DELIVERY WITH GENERAL CONTRACTOR.

LIGHTING STATISTICS						
ZONE	AVG.	MAX.	MIN	MAX/MIN	AVG/MIN	W/SQ. FT.
PARKING	1.3	2.6	0.5	5.2:1	2.7:1	0.02
DRIVES	1.33	2.6	0.5	4.4:1	2.7:1	-

SITE LIGHTING GENERAL NOTES

- MAX. / MIN. RATIOS CALCULATED PER LIGHTING ORDINANCES, BASED ON 8% OF POINTS, LOWER & UPPER 2.5% EXCLUDED.
- POLE LOCATIONS, LIGHT FIXTURES AND FIXTURE MOUNTING HEIGHTS HAVE BEEN CAREFULLY SELECTED IN ORDER TO MEET REQUIRED LIGHTING LEVELS. ANY REQUESTED CHANGES MUST BE IN WRITING TO THE ENGINEER AND ACCOMPANIED BY A PHOTOMETRIC PLAN INDICATING THE COMPLIANCE WITH THE OWNERS AND THE LOCAL ORDINANCE LIGHTING REQUIREMENTS. CHANGES MUST BE APPROVED IN WRITING BY THE ENGINEER. FAILURE TO COMPLY WITH THIS REQUIREMENT MAY RESULT IN THE CONTRACTOR REPLACING OR RELOCATING FIXTURES AND/OR POLES AT THEIR EXPENSE.



COOPER
Lighting Solutions

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April 19, 2023 2:12 PM

DESCRIPTION

The patented Lumark Crosstour™ LED Wall Pack Series of luminaires provides an architectural style with super bright, energy efficient LEDs. The low-profile, rugged die-cast aluminum construction, universal back box, stainless steel hardware along with a sealed and gasketed optical compartment make the Crosstour impervious to contaminants. The Crosstour wall luminaire is ideal for wall/facade, inverted mount for facade/entry illumination, post/corridor, site lighting, floodlight and low level pathway illumination including stairs. Typical applications include building entrances, multi-use facilities, apartment buildings, institutions, schools, stairways and loading docks test.

SPECIFICATION FEATURES

Construction
Slim, low-profile LED design with rugged one-piece, die-cast aluminum hinged removable door and back box. Matching housing styles incorporate both a small and medium design. The small housing is available in 12W, 18W and 26W. The medium housing is available in the 38W model. Patented secure lock finger feature allows for safe and easy tool-less electrical connections with the supplied push-in connectors. Back box includes three half-inch, NPT threaded conduit entry points. The universal back box supports both the small and medium forms and mounts to standard 3-1/2" to 4" round and octagonal, 4" square, single gang and masonry junction boxes. Key hole gasket allows for adaptation to junction box or wall. External fin design extracts heat from the fixture surface. One-piece silicone gasket seals door and back box. Minimum 5" wide pole for site lighting application. Not recommended for car wash applications.

Optical
Silicone sealed optical LED chamber incorporates a custom engineered mirrored anodized reflector providing high-efficiency illumination. Optical assembly includes impact-resistant tempered glass and meets ESNIA requirements for full cutoff compliance. Available in seven lumen packages: 5000K, 4000K and 3000K CCT.

Electrical
LED driver is mounted to the die-cast housing for optimal heat sinking. LED thermal management system incorporates both conduction and natural convection to transfer heat rapidly away from the LED source. 12W, 18W, 26W and 38W series operate in -40°C to 40°C (-40°F to 104°F). High ambient 80°C models available. Crosstour luminaires maintain greater than 80% of initial light output after 72,000 hours of operation. Three half-inch NPT threaded conduit entry points allow for thru-branch wiring. Back box is an authorized applications.

Electrical wiring compartment.
Integral LED electronic driver is standard 0-10V dimming, 120-277V 50/60Hz or 347V 60Hz models.

Finish
Crosstour is protected with a Super durable TGIC carbon bronze or summit white polyester powder coat paint. Super durable TGIC powder coat paint finishes withstand extreme climate conditions while providing optimal color and gloss retention of the installed life. Options to meet Buy American and other domestic preference requirements.

Warranty
Five-year warranty.

Lumark

Catalog #	Type
Project	
Comments	Date
Prepared by	



XTOR
CROSSTOUR LED

APPLICATIONS:
WALL / BOLLARD
POST / FLOODLIGHT
LOW LEVEL
INVERTED
SITE LIGHTING



CERTIFICATION DATA
Dark Sky Approved (fixed mount, Full cutoff, and 3000K CCT only)
UL/cUL Wet Location Listed
UL/cUL L90 L80 Compliant
ROHS Compliant
ADA Compliant
NOM Compliant Models
PSE (Approved Protection Rated)
Title 24 Compliant
DesignLights Consortium® Qualified*

TECHNICAL DATA
60°C Maximum Ambient Temperature
External Supply Wiring 90°C Minimum

EPA
Effective Projected Area (Sq. Ft.):
XTOR4B, XTOR2B, XTOR3B=0.34
XTOR4B=0.46

SHIPPING DATA:
Approximate Net Weight:
3.7 - 5.26 lbs. (1.7 - 2.4 kgs.)

TD514013EN
December 14, 2021 5:27 PM

*www.designlights.org

COOPER
Lighting Solutions

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DO NOT SCALE THIS DRAWING. SOME DEVIATION FROM SCALE MAY OCCUR.

ISSUE TITLE	DATE
PRELIMINARY SITE	05-25-2023

**PRELIMINARY
NOT INTENDED FOR
CONSTRUCTION**

SARAH N. KRIETE, P.E. xxx xx, 2023
48796-6
WI Certificate of Authority #4931

**Timberlake
ENGINEERING**

A Custom Engineering Company

912 Old 63 South Columbia, MO 65201
PH: 573.875.4365

PROJECT NO: DESIGNED BY: SNK
COLxxxxx
DRAWN BY: CHECKED BY: SLF
SNK

CLUB CARWASH
3909 & 3913 LIEN RD
MADISON, WI

SHEET TITLE
SITE PHOTOMETRIC PLAN

SHEET NUMBER

MEP3