

LEGEND

	FIRE HYDRANT		POWER POLE		DECIDUOUS TREE
	WATER VALVE/CURB STOP		POWER POLE W/GUY WIRE		CONIFEROUS TREE
	WATER MANHOLE		LIGHT POLE		BUSH
	REDUCER/INCRASER		TRAFFIC SIGNAL POLE		RIP RAP
	SANITARY MANHOLE		ELECTRIC MANHOLE		CULVERT
	AIR RELIEF MANHOLE		ELECTRIC METER		WETLANDS
	STORM MANHOLE		TELEPHONE MANHOLE		HANDICAP PARKING
	OPEN STORM MANHOLE		TELEPHONE PEDESTAL		TO BE DEMOLISHED
	STORM INLET		CABLE TV MANHOLE		TREE/SHRUB TO BE REMOVED
	STORM INLET MANHOLE		CABLE TV PEDESTAL		
	TANK COVER		GAS VALVE		
	SOIL BORING		GAS METER		
	POST		MAILBOX		
	IRON PIPE/ROD		SIGN		
	PK NAIL		BOLLARD		

	EDGE OF ASPHALT		8SS	8SS	SANITARY SEWER (SIZE NOTED)
	EDGE OF GRAVEL		4FM	4FM	FORCEMAIN (SIZE NOTED)
	CURB & GUTTER		10ST	10ST	STORM SEWER (SIZE NOTED)
	TREE/BRUSH LINE		6W	6W	WATERMAIN (SIZE NOTED)
	CONTOUR LINE		G	G	GAS LINE
	RETAINING WALL		OT	OT	OVERHEAD TELEPHONE LINE
	GUARD RAIL		T	T	UNDERGROUND TELEPHONE LINE
	FENCE		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	R/W	R/W LINE
			PROPERTY	PROPERTY	PROPERTY LINE
			EASEMENT	EASEMENT	EASEMENT LINE
			BUILDING	BUILDING	BUILDING SETBACK LINE
			SECTION	SECTION	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

DEMOLITION NOTES

- EXISTING ASPHALT AND BASE COURSE MAY BE PULVERIZED AND STOCKPILED ON SITE FOR FUTURE USE.
- EXISTING GAS, ELECTRIC, CABLE TELEVISION AND TELEPHONE TO BE REMOVED AND/OR RELOCATED BY OTHERS. WORK SHALL BE COORDINATED BY GENERAL CONTRACTOR.
- ALL MISCELLANEOUS STRUCTURES SHALL BE REMOVED.
- 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



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

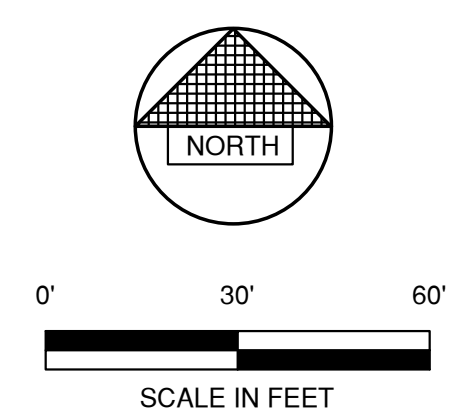
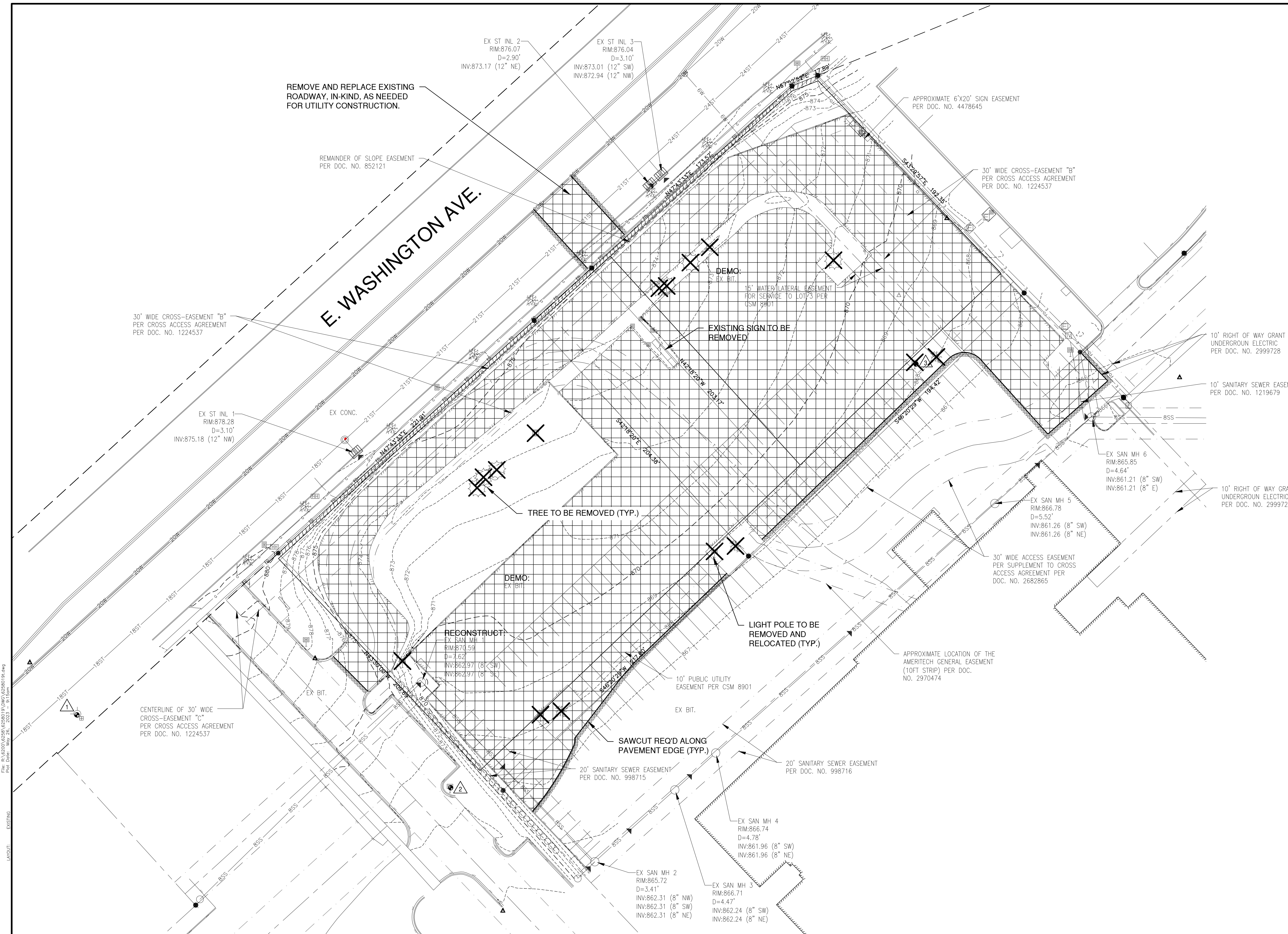
(920) 498-9300

CONTACT: DAVID O'BRIEN

File: P:\A\2023\4258\42580191.dwg, Date: 01/23/23, 8:07:00 AM
 LAYOUT: GENERAL NOTES

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	Robert E. Lee & Associates, Inc. ENGINEERING, SURVEYING, ENVIRONMENTAL SERVICES 1250 CENTENNIAL CENTRE BOULEVARD HOBART, WI 54155 920-662-9641 www.releinc.com	SHEET NO.
								CHECKED			01/2023		1
								DESIGNED			FILE		
								BDR			6258019T		

BENCHMARK		BENCHMARK ESTABLISHED BY: ROBERT E. LEE & ASSOCIATES, INC.
FIELD VERIFY BENCHMARKS FOR ACCURACY.		
NO.	DESCRIPTION	EL.
1	TAGBOLT BURY (6-6)	884.08
2	CUT CROSS ON NE SIDE, TOP 24" DIA. CONCRETE LIGHT POLE BASE	875.59
3	FOUND MAG IN TOP OF BASE	870.35



NO.	DATE	APPROV.	REVISION	NO.	DATE	APPROV.	REVISION

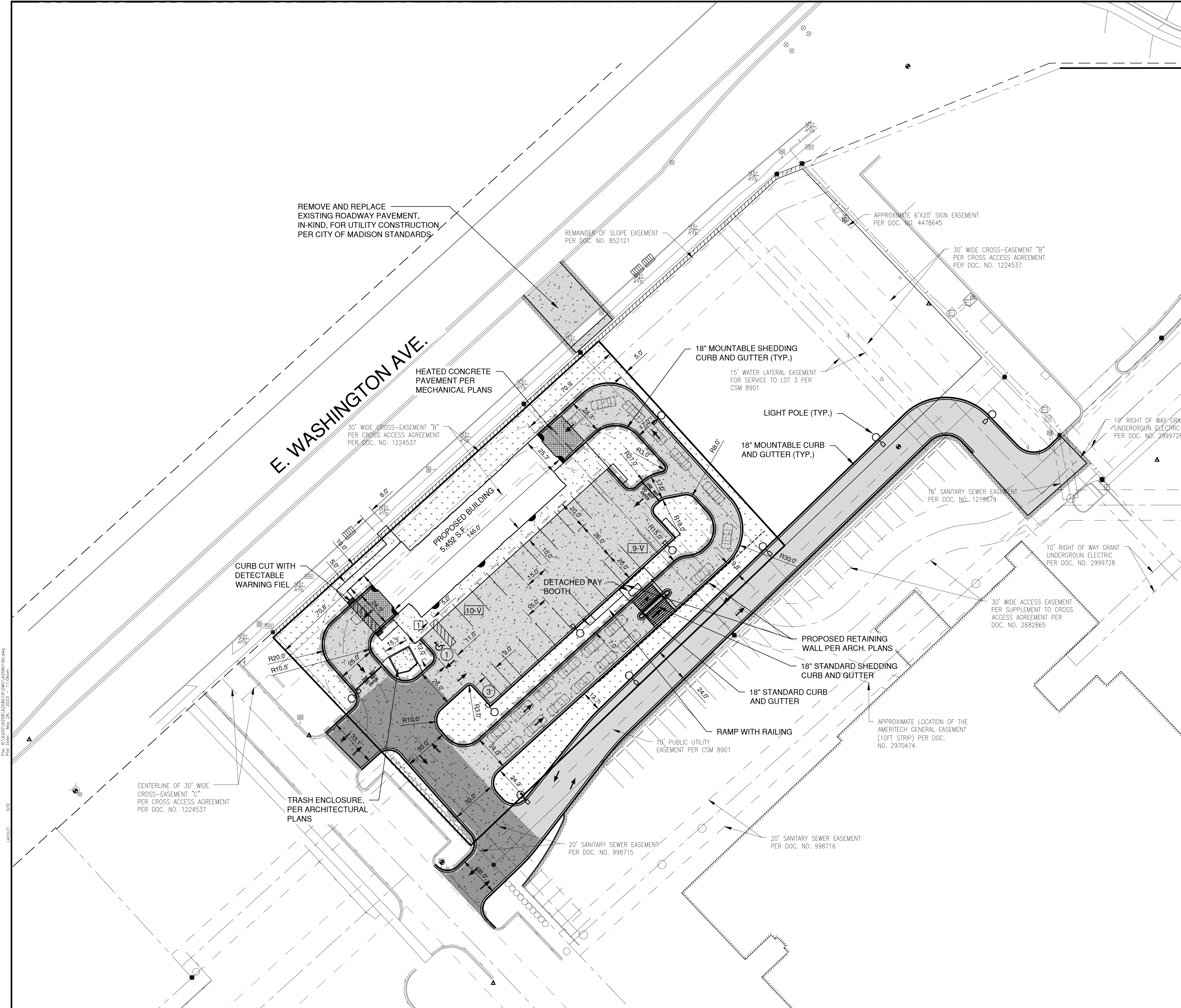
3913 LIEN ROAD SITE IMPROVEMENT PLAN
FOR CLUB CAR WASH
CITY OF MADISON
DANE COUNTY, WISCONSIN

EXISTING SITE CONDITIONS AND DEMOLITION PLAN

DATE	01/20/23
FILE	6258019T
JOB NO.	6258019

Robert E. Lee & Associates, Inc.
ENGINEERING, SURVEYING, ENVIRONMENTAL SERVICES
1250 CENTENNIAL CENTRE BOULEVARD HOBART, WI 54155
920-662-9641 www.releinc.com

SHEET NO.
2



- LEGEND**
- HEATED CONCRETE PAVEMENT (LIGHT) (S.F.)
 - CONCRETE PAVEMENT (LIGHT) (S.F.)
 - CONCRETE PAVEMENT (HEAVY) (S.F.)
 - ASPHALT PAVEMENT (LIGHT) (S.F.)
 - LANDSCAPE AREA
 - GREEN SPACE
 - PROPOSED 18" STANDARD CURB AND GUTTER
 - PROPOSED 18" STANDARD SHEDDING CURB AND GUTTER
 - PROPOSED 18" MOUNTABLE CURB AND GUTTER
 - PROPOSED 18" MOUNTABLE SHEDDING CURB AND GUTTER
 - TRAFFIC FLOW ARROW
 - HANDICAPPED PARKING
 - INDICATES NUMBER OF PARKING STALLS
 - WALL PACK
 - LIGHT POLE (1 LAMP)
 - LIGHT POLE (2 LAMPS)
 - LIGHT POLE (3 LAMPS)
 - LIGHT POLE (4 LAMPS)

*NOTE: ALL DIMENSIONS ARE TO THE FACE OF CURB, UNLESS NOTED OTHERWISE

NOTE
ALL DISTURBED AREAS SHALL BE TOPSOILED TO A DEPTH OF 6 INCHES, SEEDED AND MULCHED. AREA TO BE RAKED FREE OF STONES AND CLUMPS.

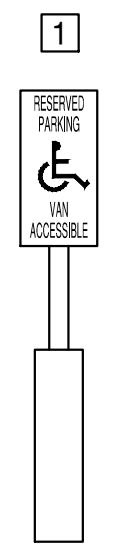
PARKING DATA
TOTAL PARKING STALLS PROVIDED = 4
HANDICAP ACCESSIBLE PARKING STALLS = 1
TOTAL PARKING STALLS REQUIRED = 3

SITE DATA - PROPOSED LOT
TOTAL AREA = 1.23 ACRES, 53,594 S.F.
BUILDING AREA = 0.13 ACRES, 5,540 S.F. (10.3%)
SIDEWALK/PARKING LOT AREA = 0.77 ACRES, 33,495 S.F. (62.5%)
GREEN SPACE = 0.33 ACRES, 14,559 S.F. (27.2%)

ZONING
COMMERCIAL CORRIDOR - TRANSITIONAL DISTRICT

PARCEL NO.
PROPOSED CSM

PROPERTY ADDRESS
3909 - 3913 LIEN ROAD



FILE: P:\A\2020\4258\4258019\DWG\42580190.dwg
PLOT DATE: May 26, 2023 11:08am
SITE
LAYOUT

NO.	DATE	APPROV.	REVISION	NO.	DATE	APPROV.	REVISION

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

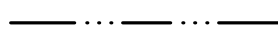
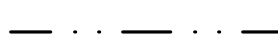




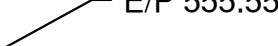
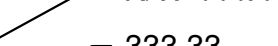

SITE PLAN

DATE
05/20/23
FILE
6258019D
JOB NO.
6258019

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

SHEET NO.
3

LEGEND

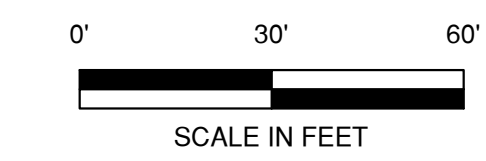
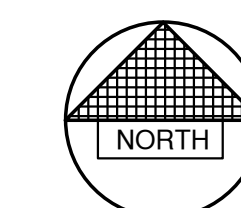
-  DRAINAGE SWALE
-  DRAINAGE DIVIDE
-  FLOW ARROW
-  T/C 999.99 TOP OF CURB ELEVATION
-  F/L 888.88 FLOW LINE ELEVATION
-  S/W 666.66 TOP OF SIDEWALK ELEVATION
-  E/P 555.55 EDGE OF PAVEMENT ELEVATION
-  R/W 444.44 TOP OF RETAINING WALL ELEVATION
-  333.33 GROUND ELEVATION

E. WASHINGTON AVE.

PROPOSED BUILDING
F.L. 879.30

MATCH EXISTING GRADES
ALONG PAVEMENT EDGE

File: P:\A\2020\62580\62580190.DWG, 6/25/2023 11:04am
 Plot Date: May 26, 2023 11:04am
 LAYOUT: GRADING



NO.	DATE	APPROV.	REVISION	NO.	DATE	APPROV.	REVISION

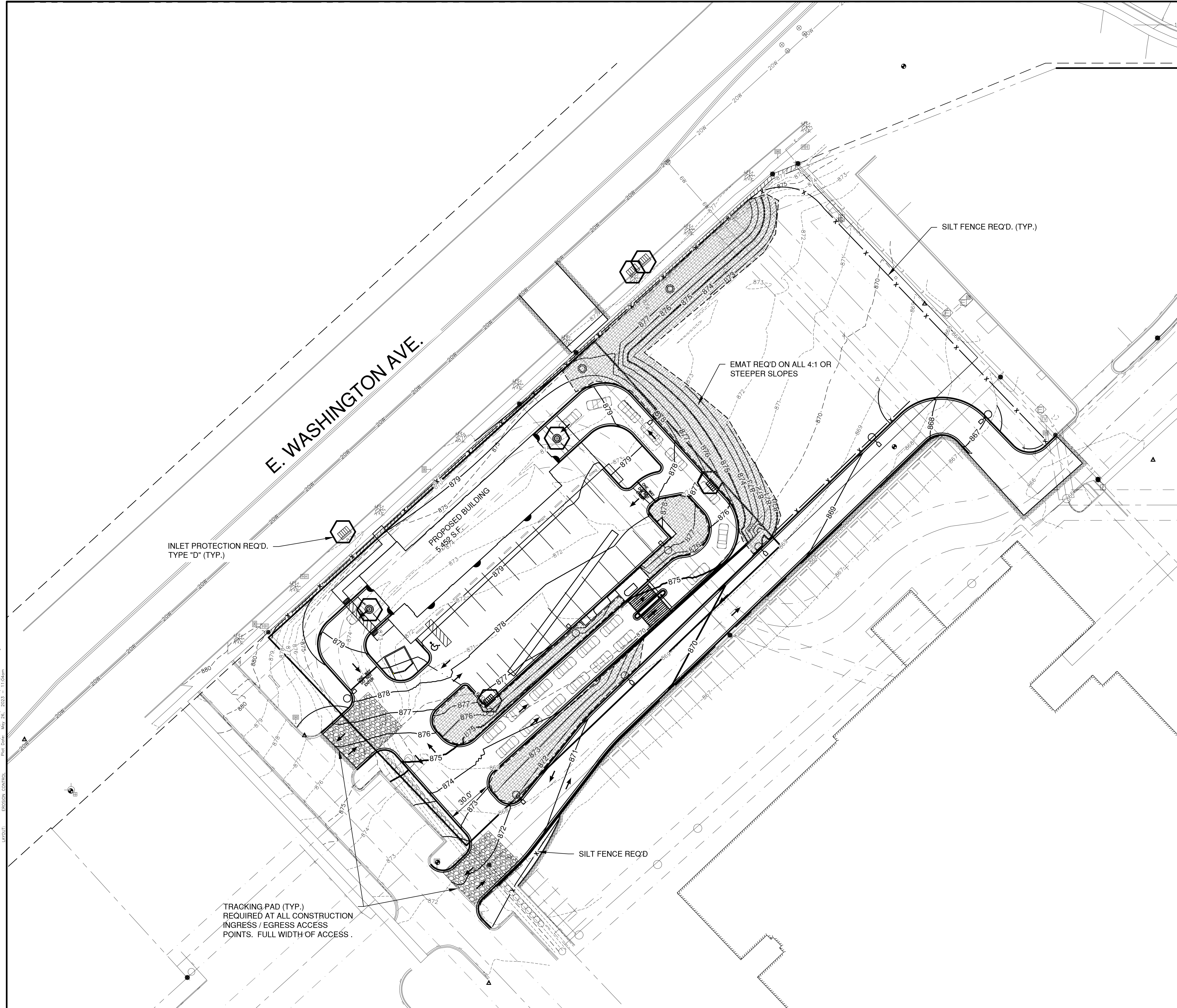
3913 LIEN ROAD SITE IMPROVEMENT PLAN
FOR CLUB CAR WASH
CITY OF MADISON
DANE COUNTY, WISCONSIN

GRADING PLAN

DATE
05/2023
FILE
62580190
JOB NO.
6258019

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

SHEET NO.
5



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)

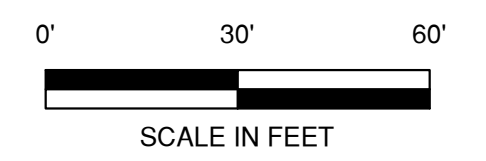
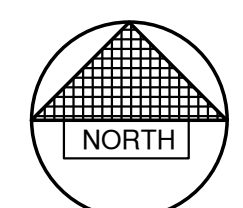
EROSION CONTROL

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.

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

CONSTRUCTION SEQUENCE

1. INSTALL INLET PROTECTION AS IDENTIFIED ON SITE INLETS (AUGUST, 2023)
2. 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)
3. EXCAVATE PROPOSED ISLANDS AND PLACE DOWN GRAVEL AS NEEDED. (AUGUST 2023)
4. REMOVE EXISTING CONCRETE SIDEWALK AND INSTALL BUILDING WALLS. (SEPT 2023)
5. CONSTRUCT UTILITIES, INSTALL EROSION CONTROL AS NEEDED ON NEW UTILITIES (SEPT 2023)
6. GRADE/PAVE PARKING LOT AND POUR CONCRETE CURBING (MAY 2024)
7. FINAL GRADING (MAY 2024) TOPSOIL, SEED AND MULCH. PROJECT COMPLETION SPRING 2024.



File: P:\A\2023\4258\4258019\DWG\42580190.dwg
 Plot Date: May 26, 2023 11:04am
 EROSION CONTROL
 LAYOUT

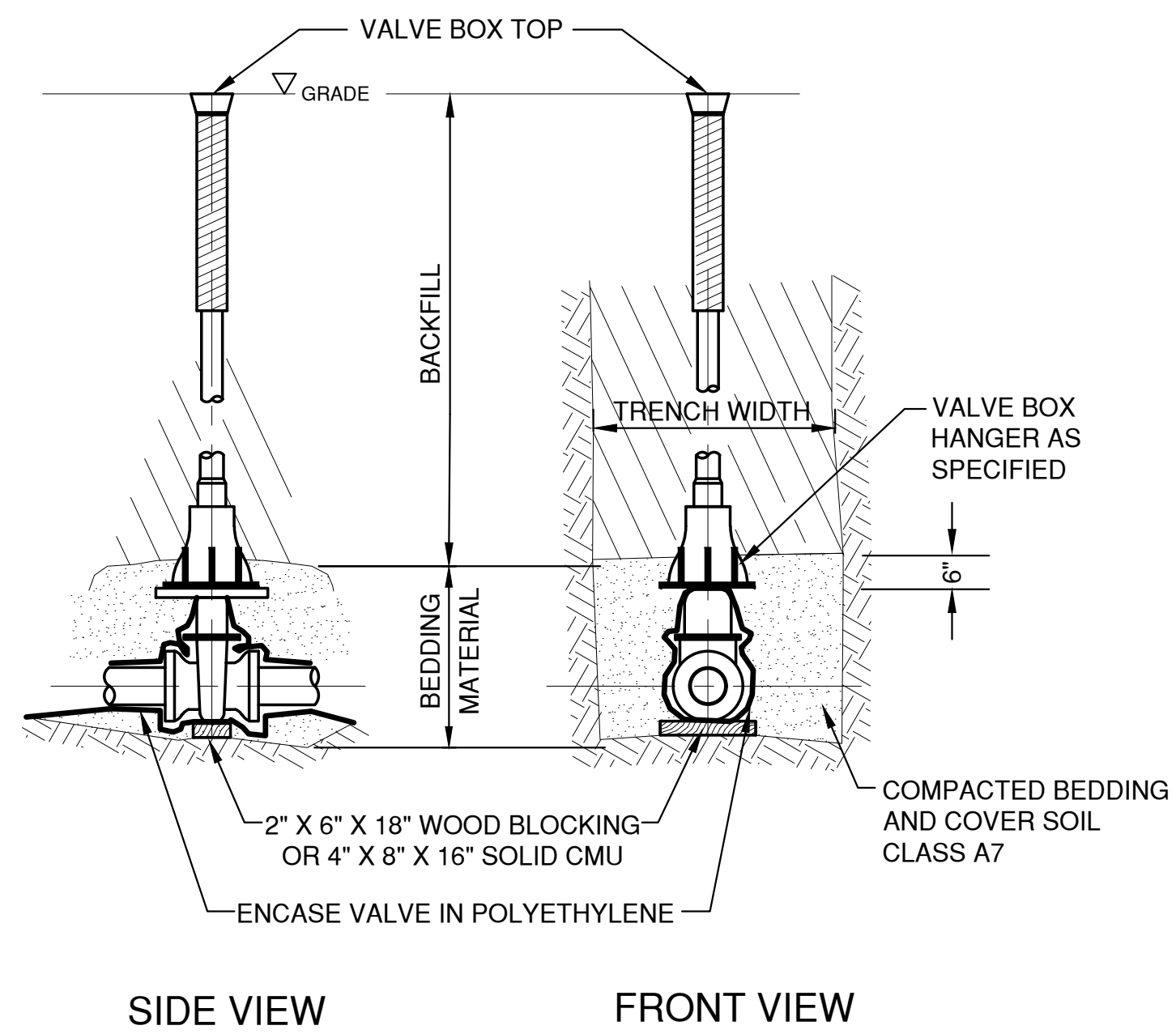
NO.	DATE	APPROV.	REVISION	NO.	DATE	APPROV.	REVISION

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

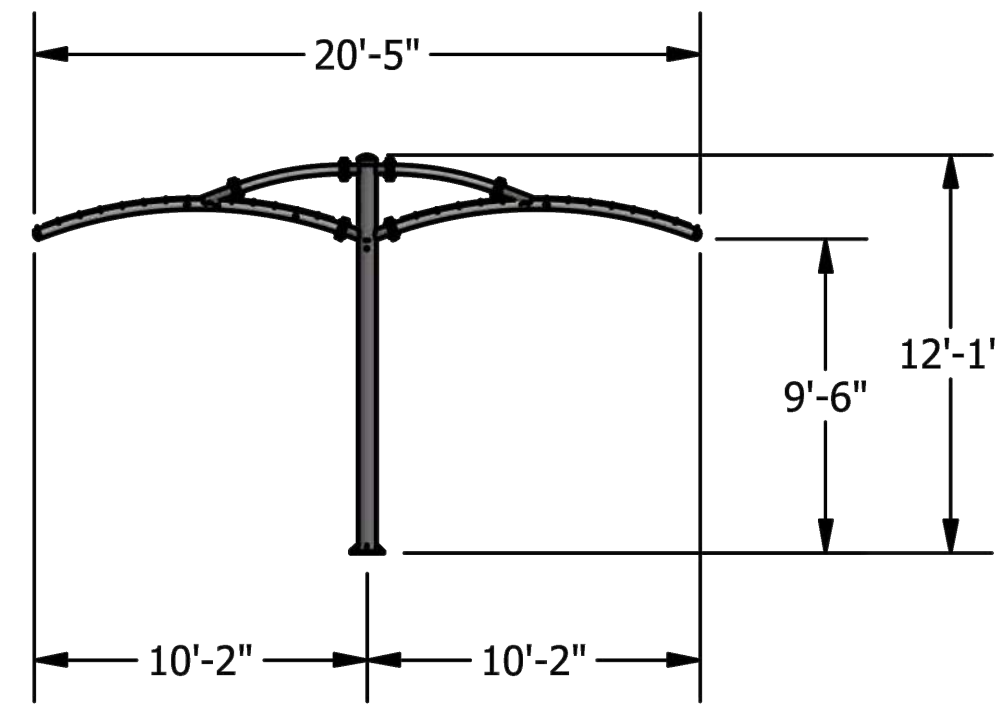
EROSION CONTROL PLAN

DATE: 05/2023
 FILE: 6258019D
 JOB NO.: 6258019

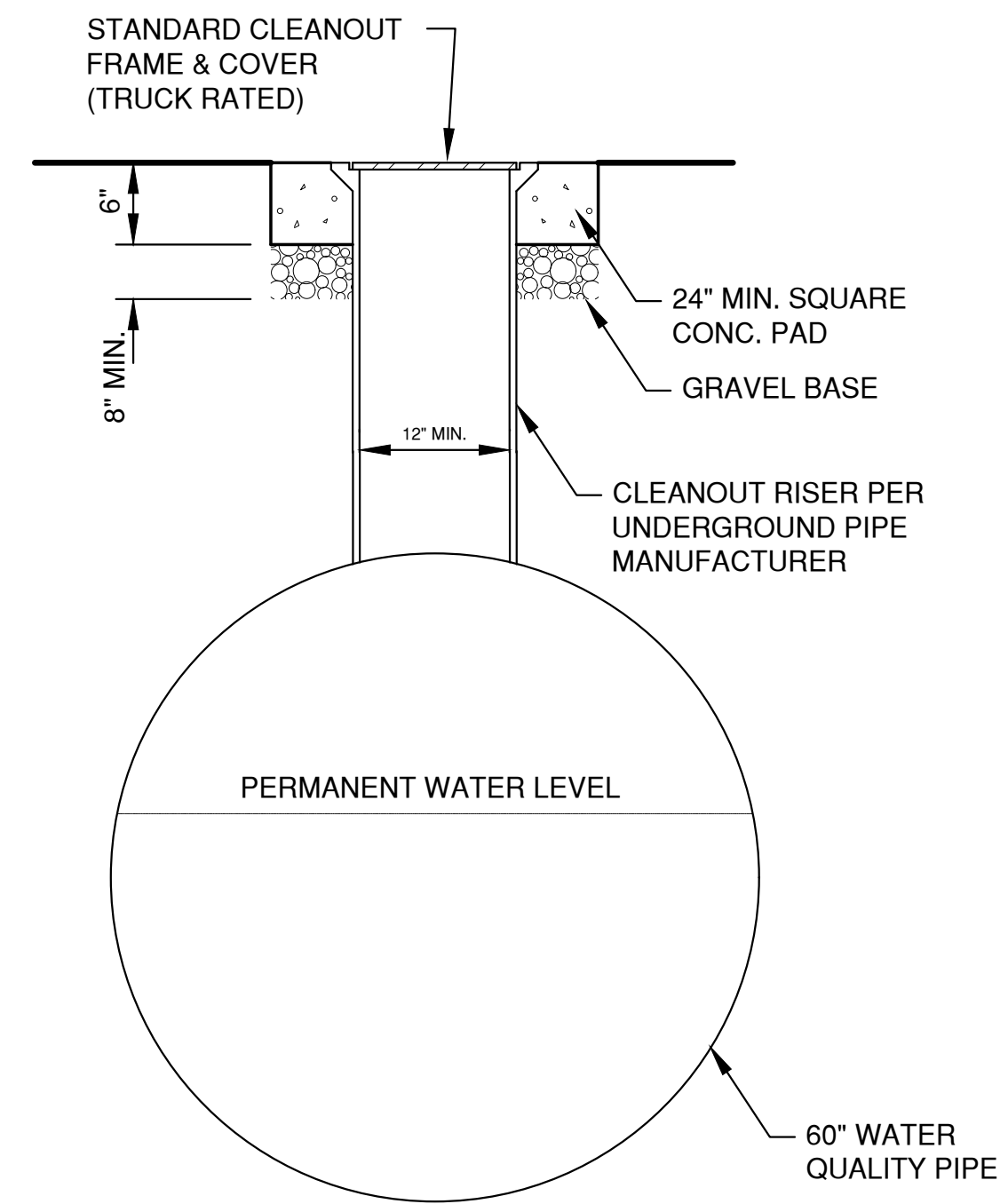
 1250 Centennial Centre Blvd | Hobart, WI | 920-662-9641 | releinc.com



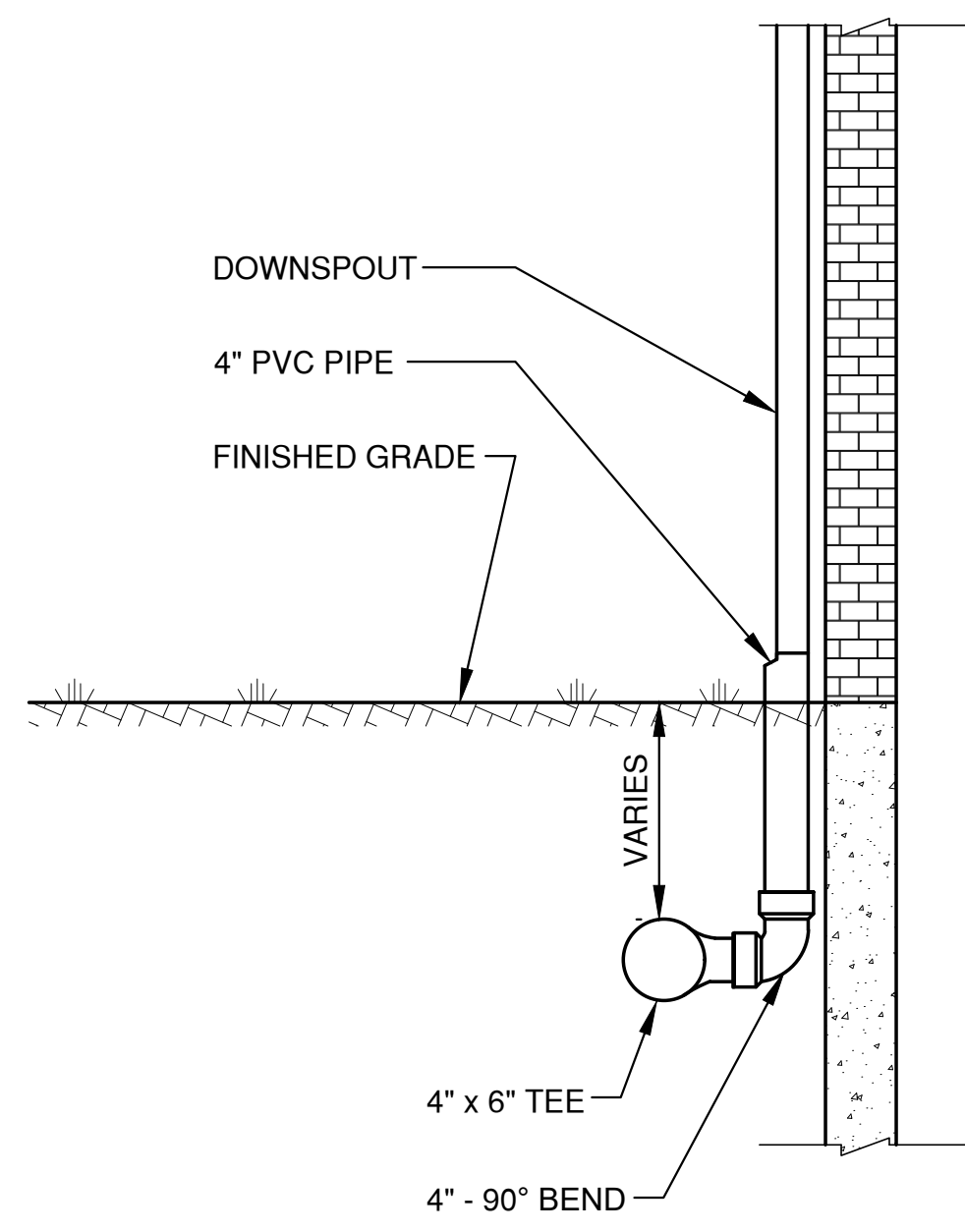
SIDE VIEW FRONT VIEW
VALVE BOX SETTING



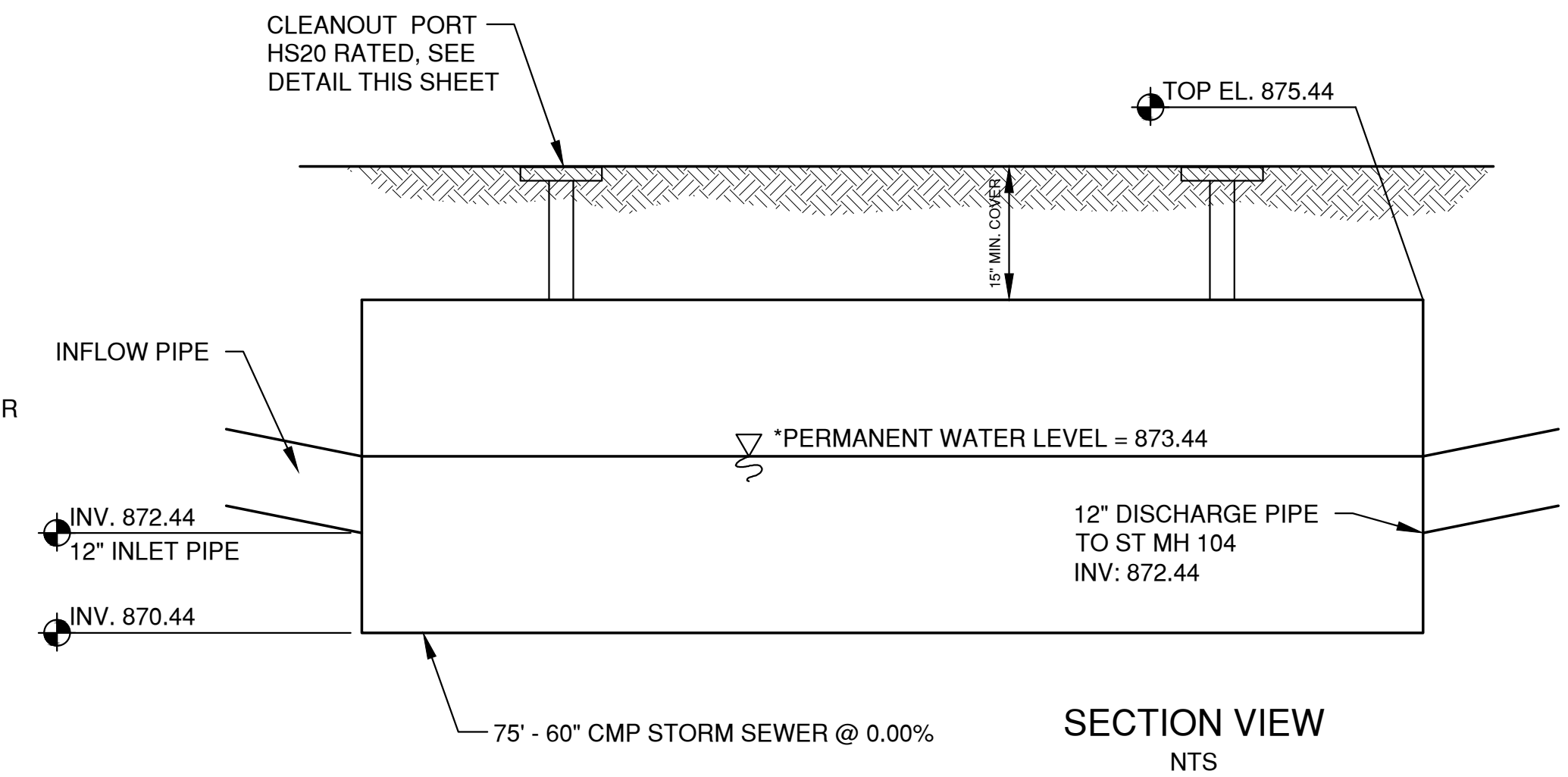
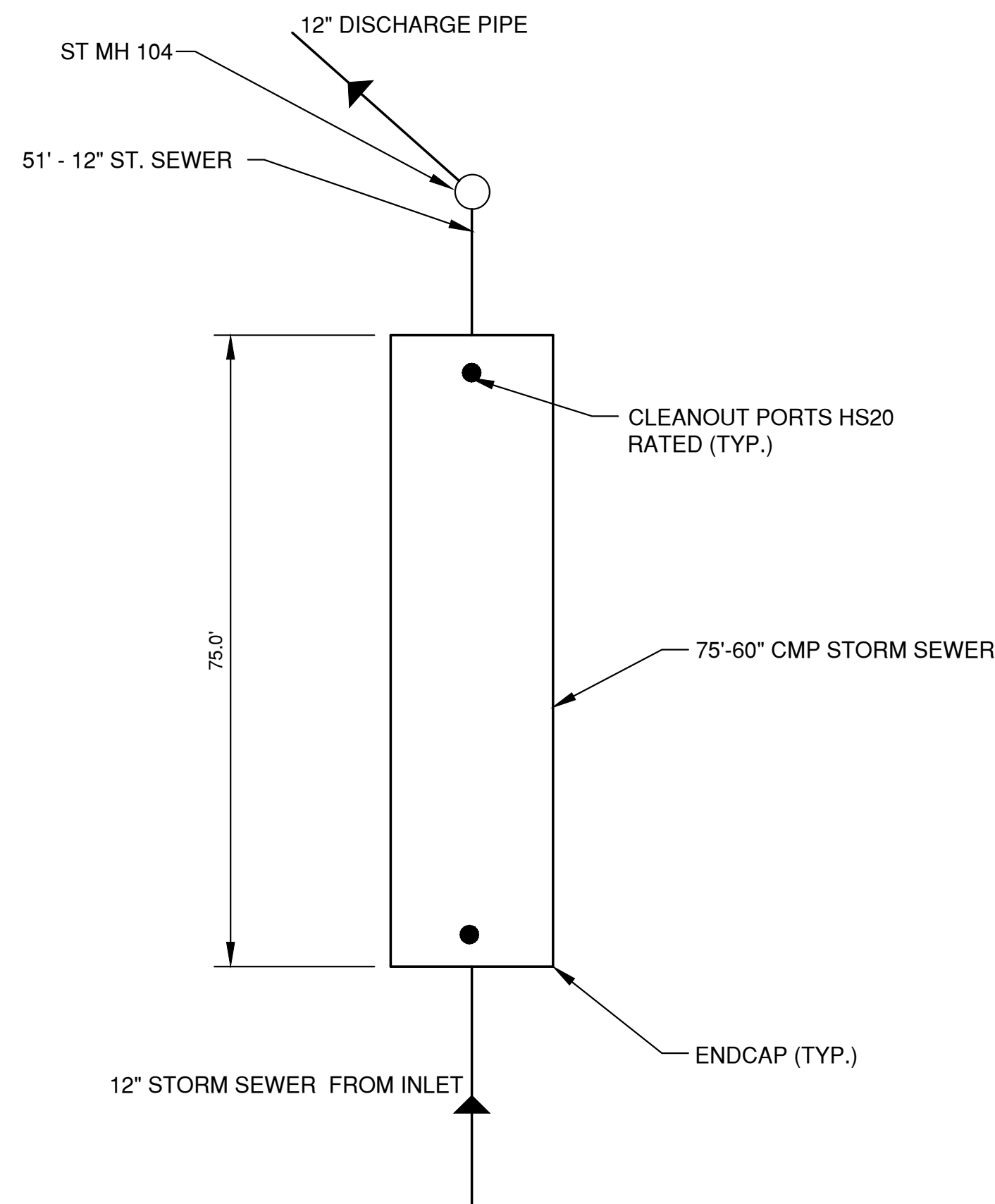
PAY STATION CANOPY



60\"/>



DOWNSPOUT COLLECTOR DETAIL



UNDERGROUND DETENTION POND DETAIL

File: P:\A\2020\4258\4258019\DWG\4258019DETAILS.dwg
 Plot Date: May 30, 2023 9:05am
 LAYOUT: DETAILS (3)

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

MISCELLANEOUS DETAILS

DATE	05/2023
FILE	6258019DETAILS
JOB NO.	6258019



NOTES:

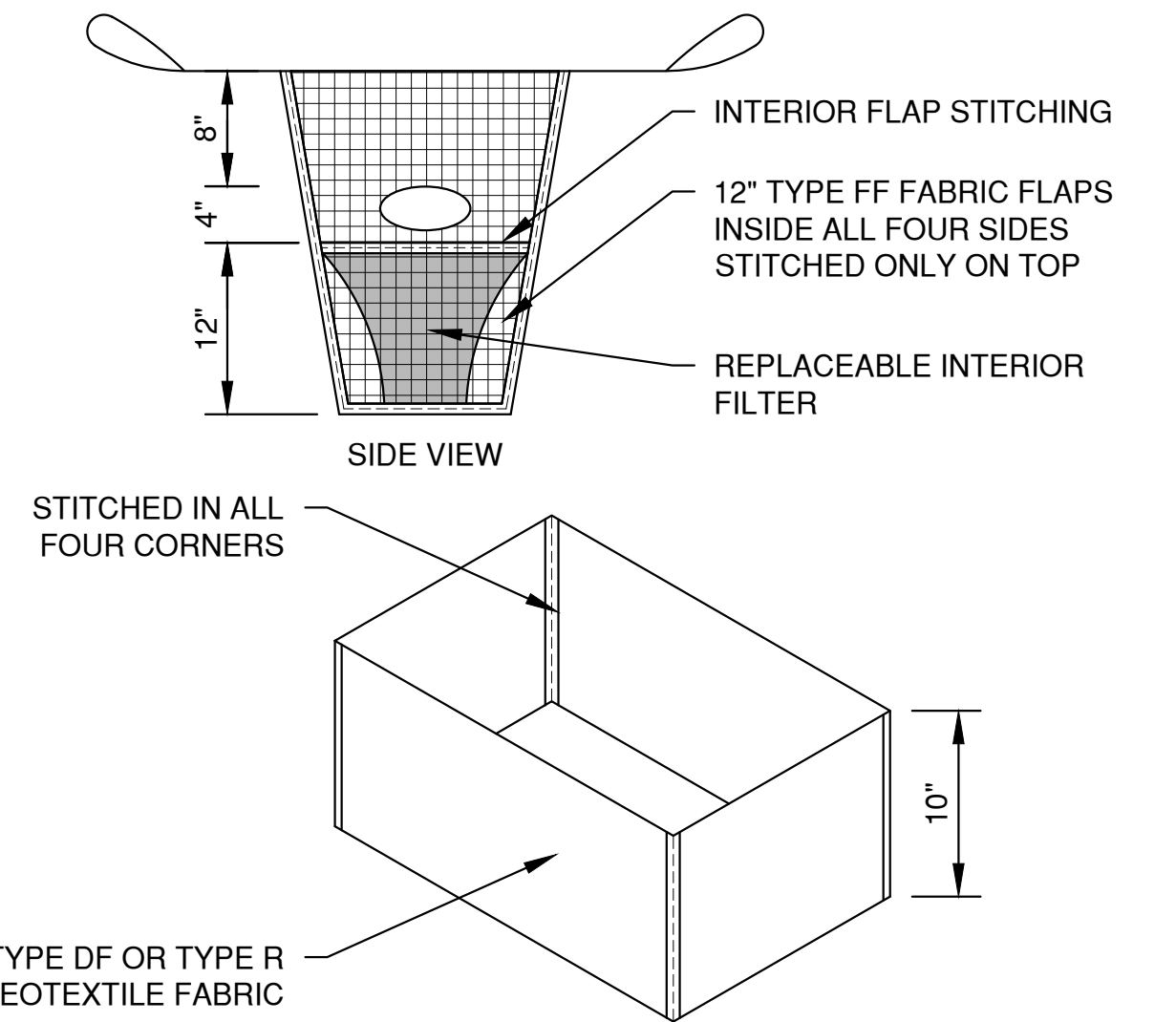
1. TAPER BOTTOM OF BAG TO MAINTAIN THREE INCHES OF CLEARANCE BETWEEN THE BAG AND THE STRUCTURE, MEASURED FROM THE BOTTOM OF THE OVERFLOW OPENINGS TO THE STRUCTURE WALL.
2. GEOTEXTILE FABRIC TYPE FF FOR FLAPS AND TOP HALF OF FILTER BAG. GEOTEXTILE FABRIC TYPE HR FOR BOTTOM HALF OF FILTER BAG. FRONT, BACK 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:

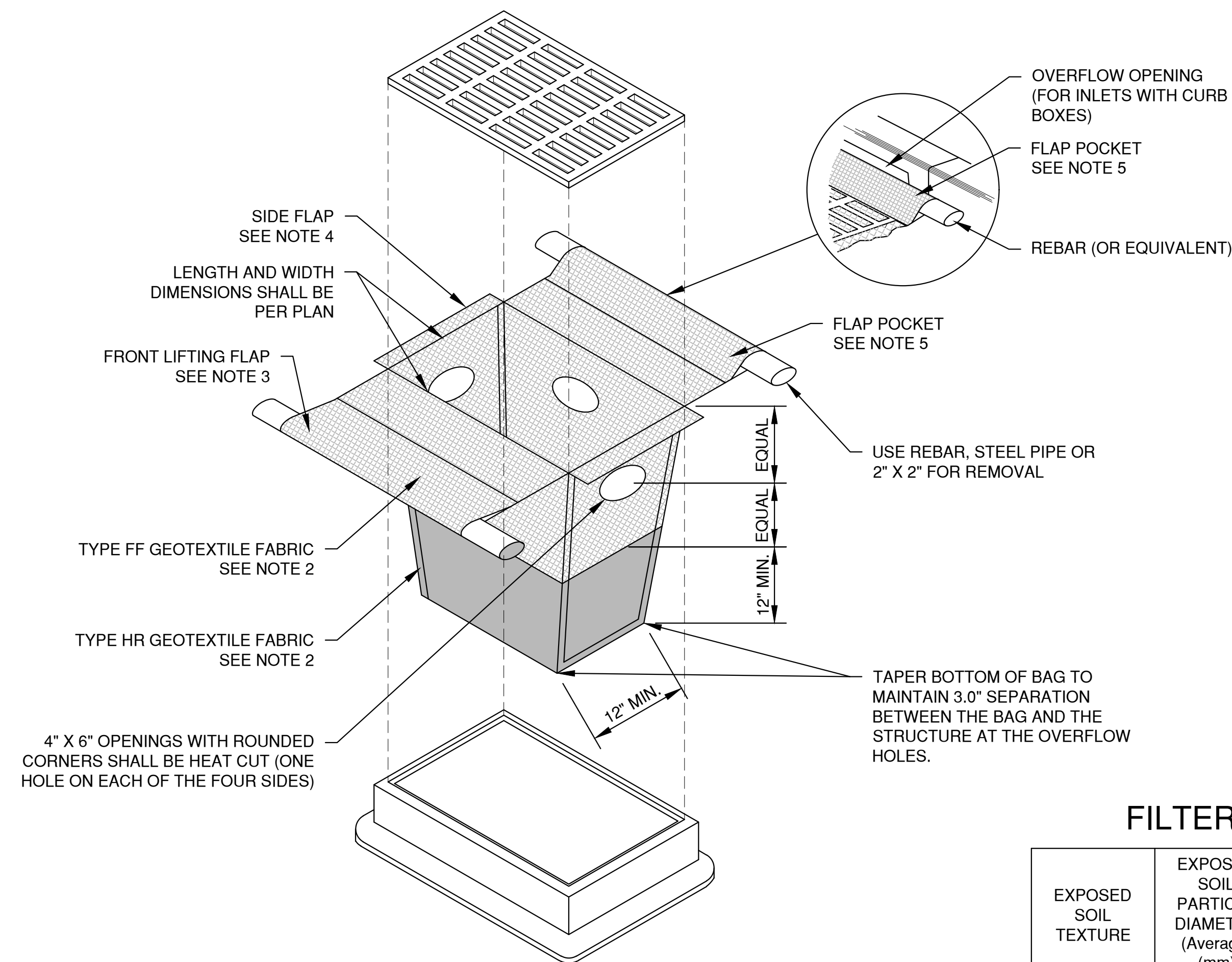
WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED IN THE FABRIC DOES NOT FALL INTO THE STRUCTURE. MATERIAL THAT HAS FALLEN INTO THE INLET SHALL BE IMMEDIATELY REMOVED.

NOTES:

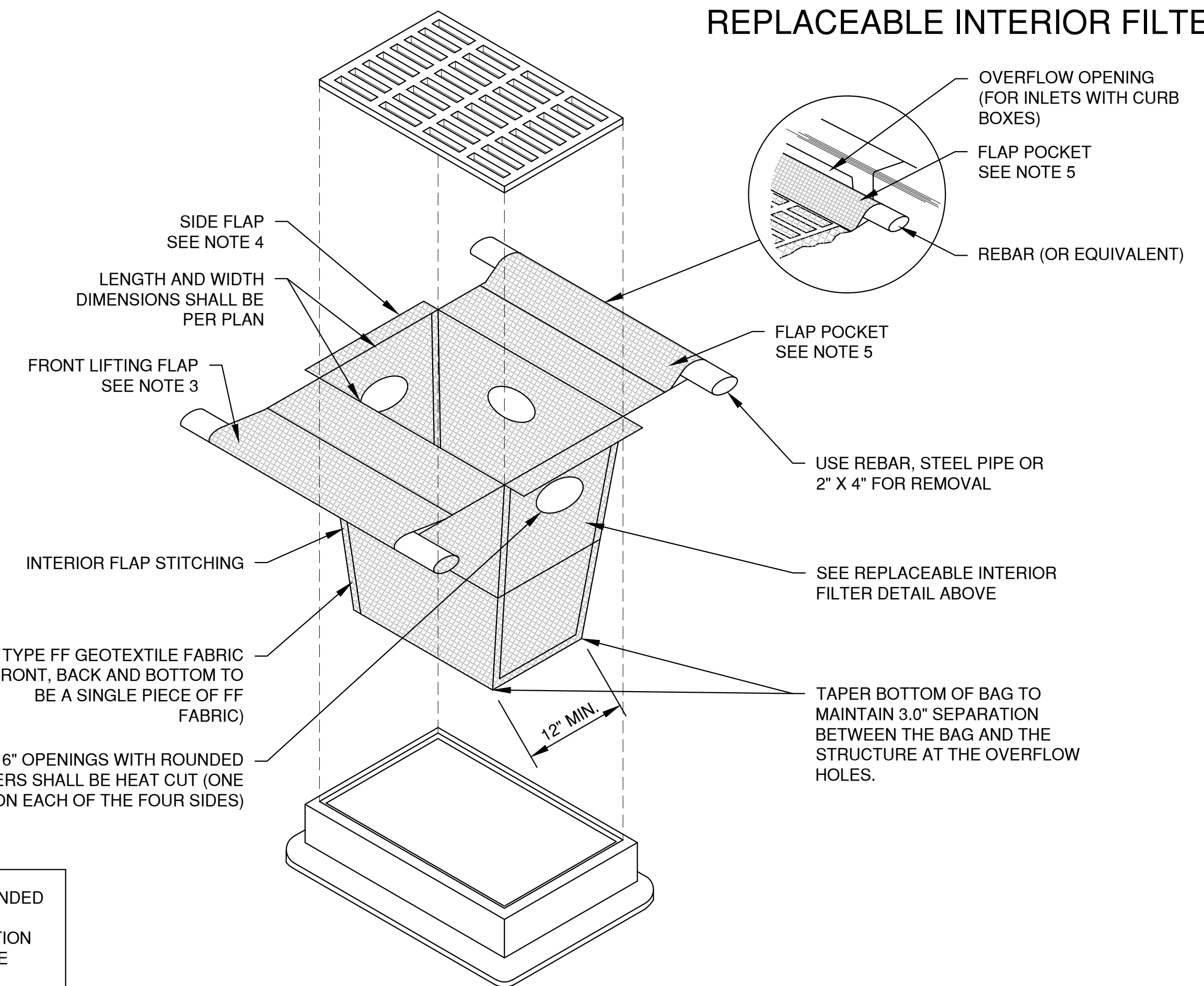
1. TAPER BOTTOM OF BAG TO MAINTAIN THREE INCHES OF CLEARANCE BETWEEN THE BAG AND THE STRUCTURE, MEASURED FROM THE BOTTOM OF THE OVERFLOW OPENINGS TO THE STRUCTURE WALL.
2. GEOTEXTILE FABRIC TYPE FF FOR FLAPS, TOP AND BOTTOM OF OUTSIDE OF FILTER BAG. FRONT, BACK AND BOTTOM OF FILTER BAG BEING ONE PIECE.
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-HR
(CAN BE INSTALLED IN INLETS WITH OR WITHOUT CURB BOXES)



INLET PROTECTION, TYPE D-M
(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

File: P:\A\2021\4258\4258019\DWG\4258019EC.dwg
 Plot Date: May 26, 2023 11:13:00am
 LAYOUT: 2 - INLET PROTECTION

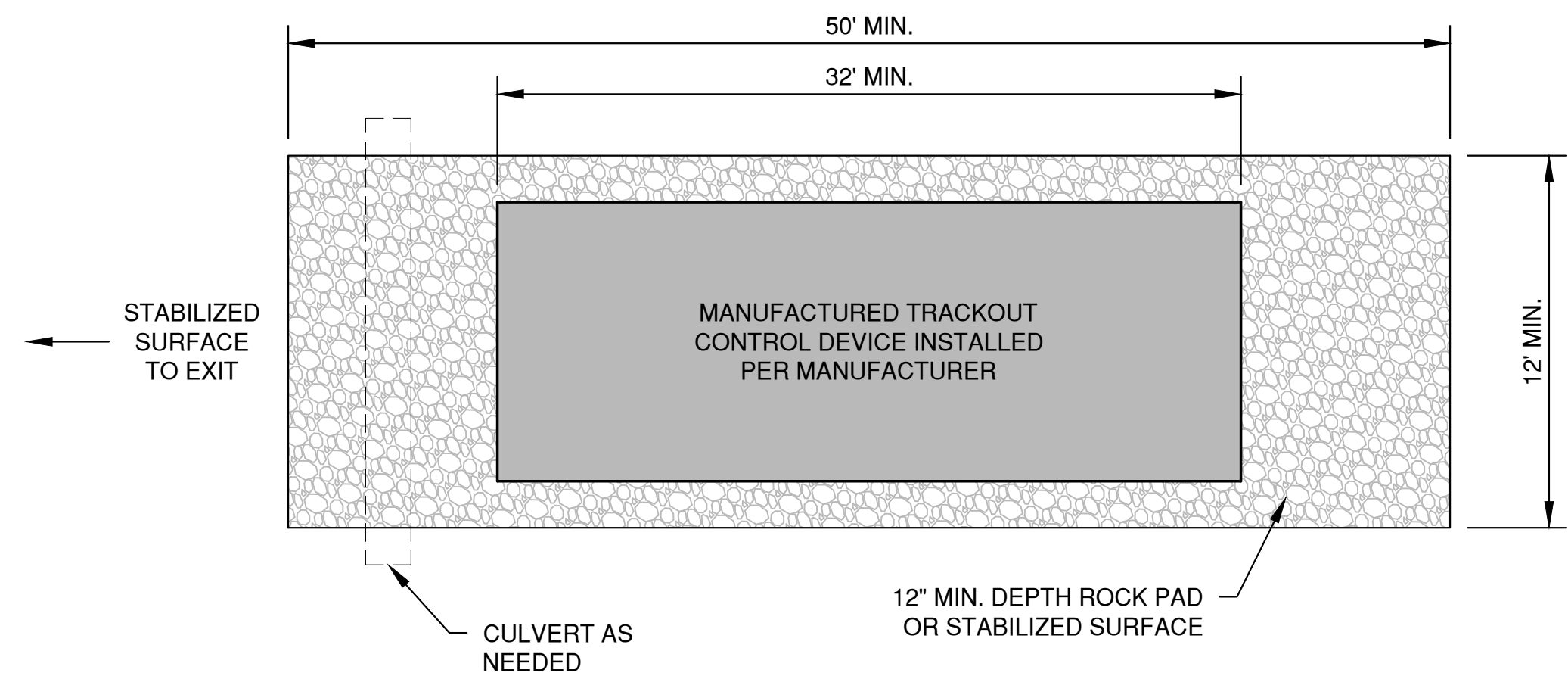
NO.	DATE	APPROV.	REVISION	NO.	DATE	APPROV.	REVISION	DRAWN BDR
								CHECKED
								DESIGNED BDR

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

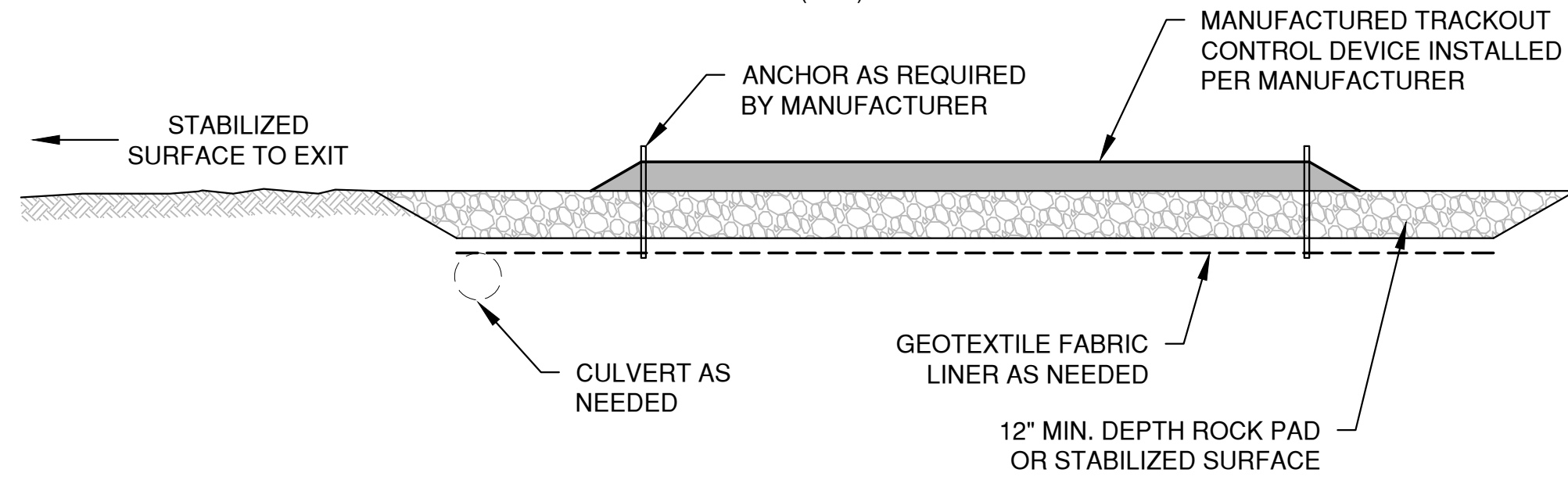
EROSION CONTROL
INLET PROTECTION
TYPE D-HR AND TYPE D-M

DATE	05/20/23
FILE	6258019EC
JOB NO.	6258019

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



PLAN VIEW
(NTS)

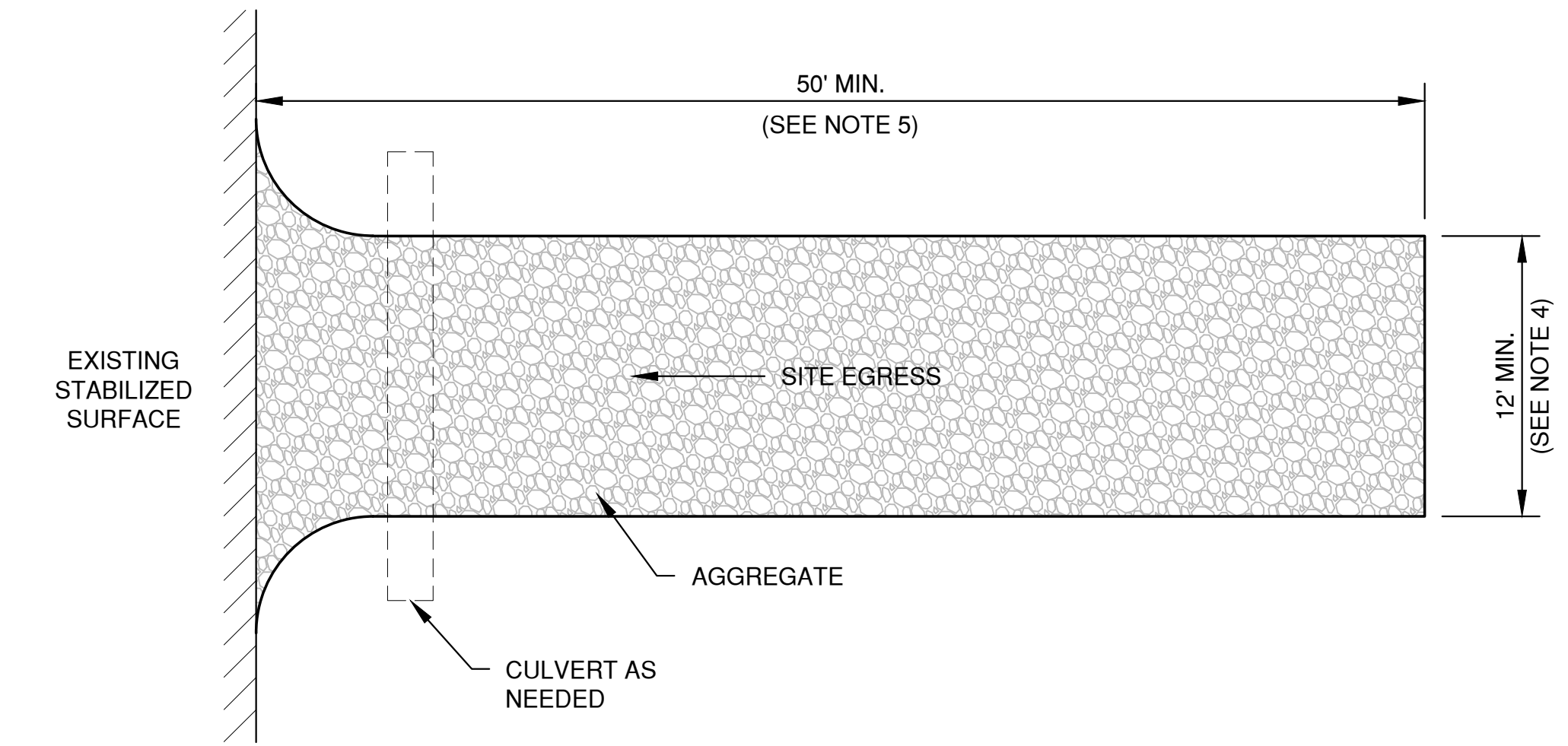


SECTION VIEW

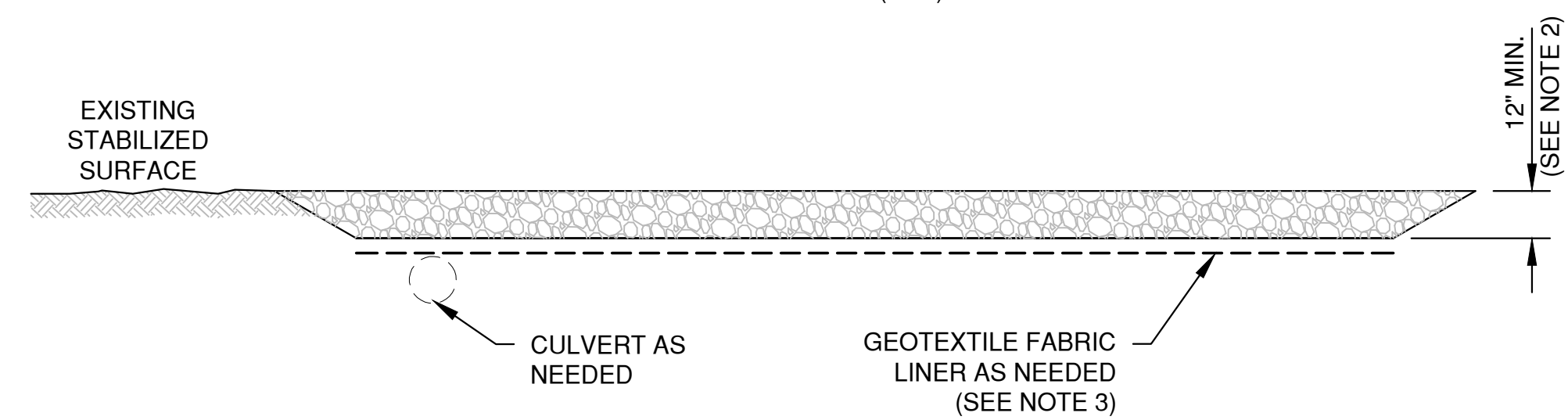
NOTES:

- 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



PLAN VIEW
(NTS)



SECTION VIEW

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

File: P:\A\2020\4258\4258019\060\4258019EC.dwg Plot Date: May 26, 2023 11:12:00am LAYOUT: 5_TRACKOUT

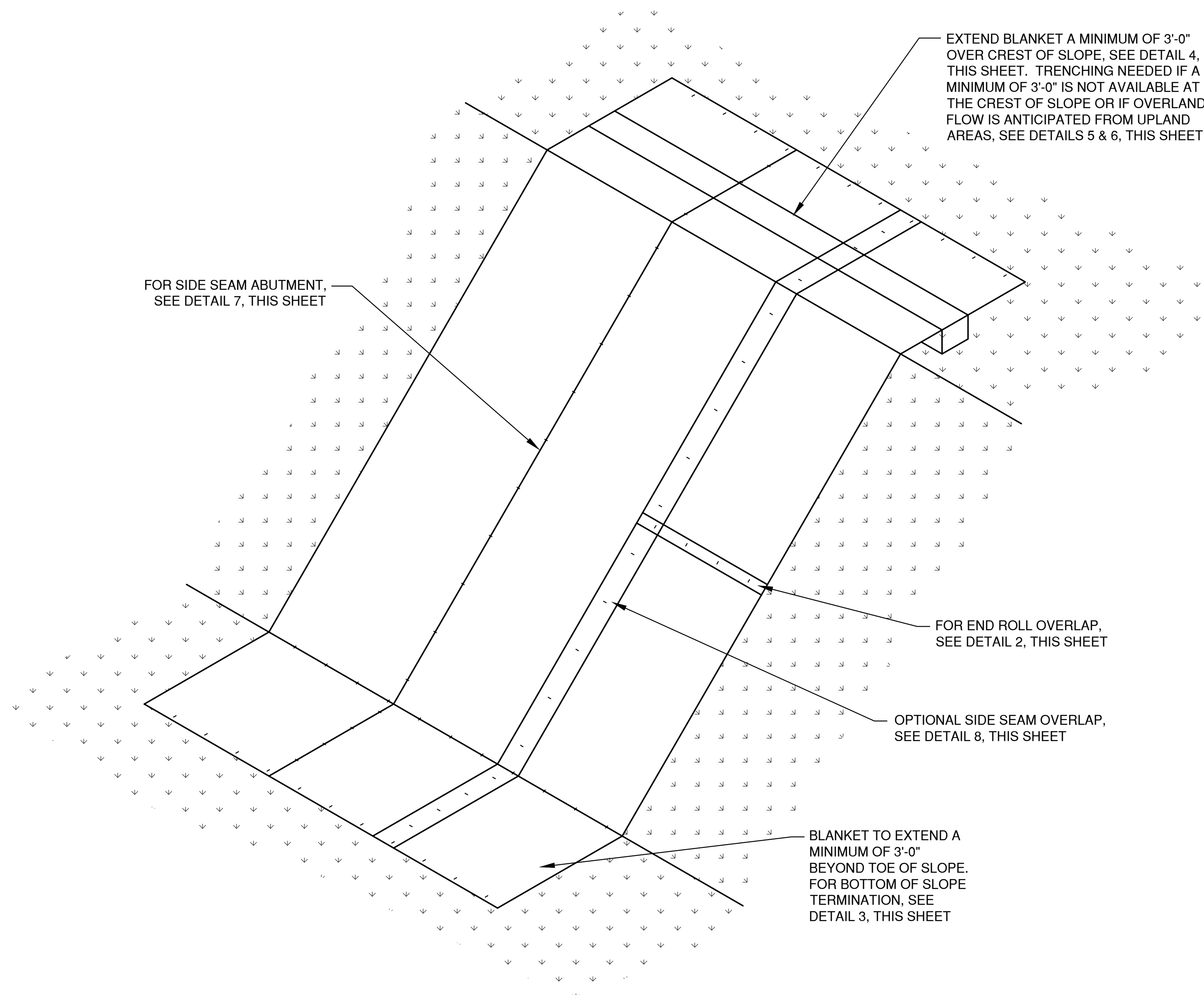
NO.	DATE	APPROV.	REVISION	NO.	DATE	APPROV.	REVISION

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

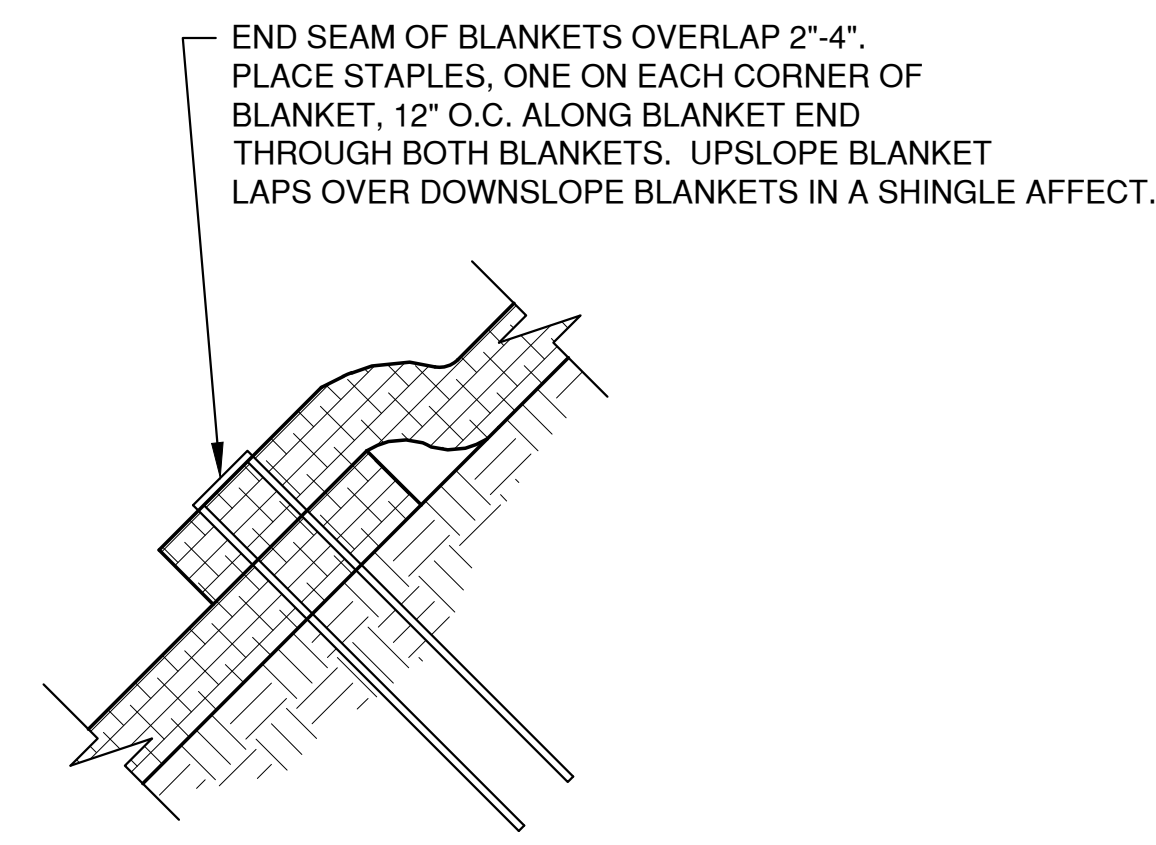
EROSION CONTROL
TRACKOUT CONTROL PRACTICES

DATE	05/2023
FILE	6258019EC
JOB NO.	6258019

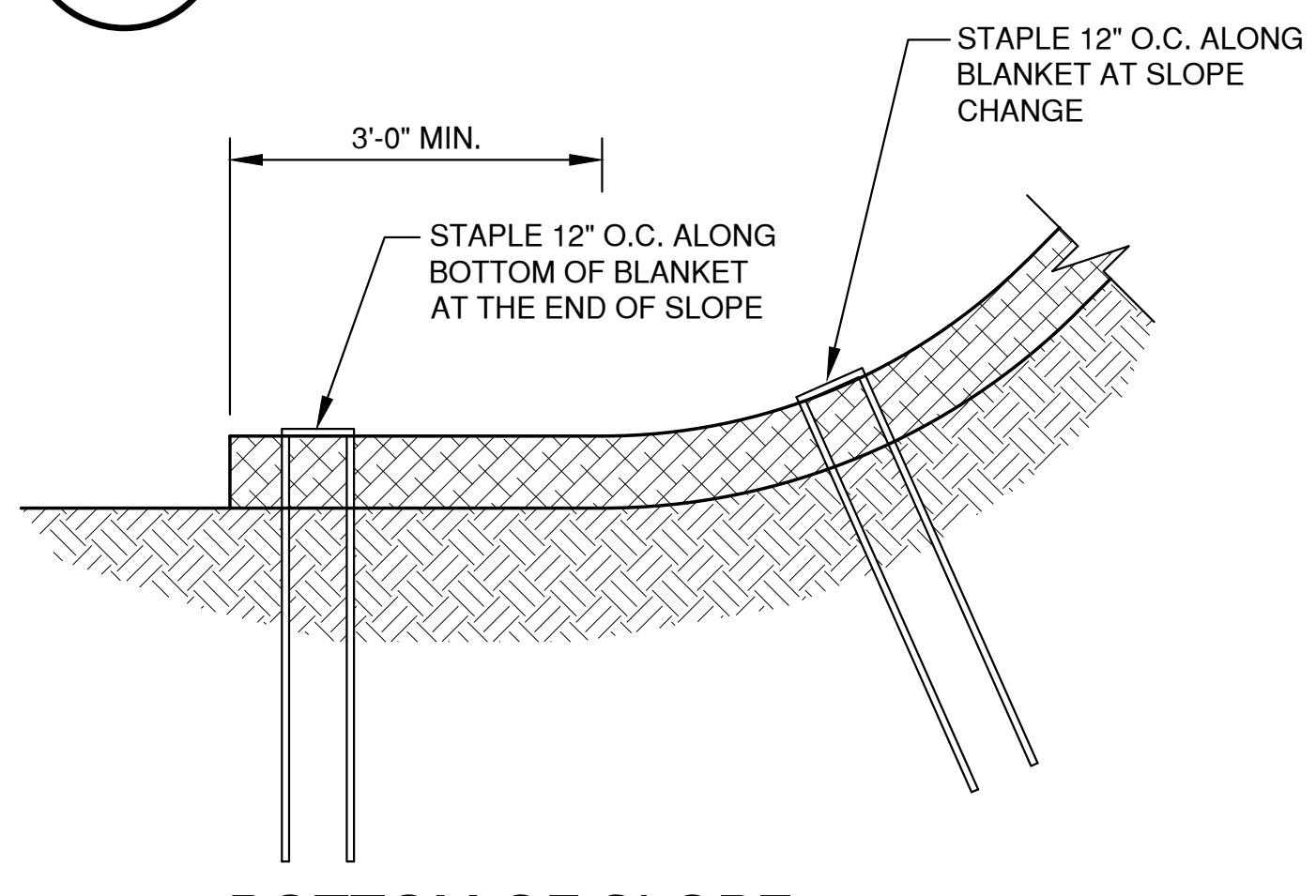
REL Robert E. Lee & Associates, Inc.
1250 Centennial Centre Blvd | Hobart, WI | 920-662-9641 | releinc.com



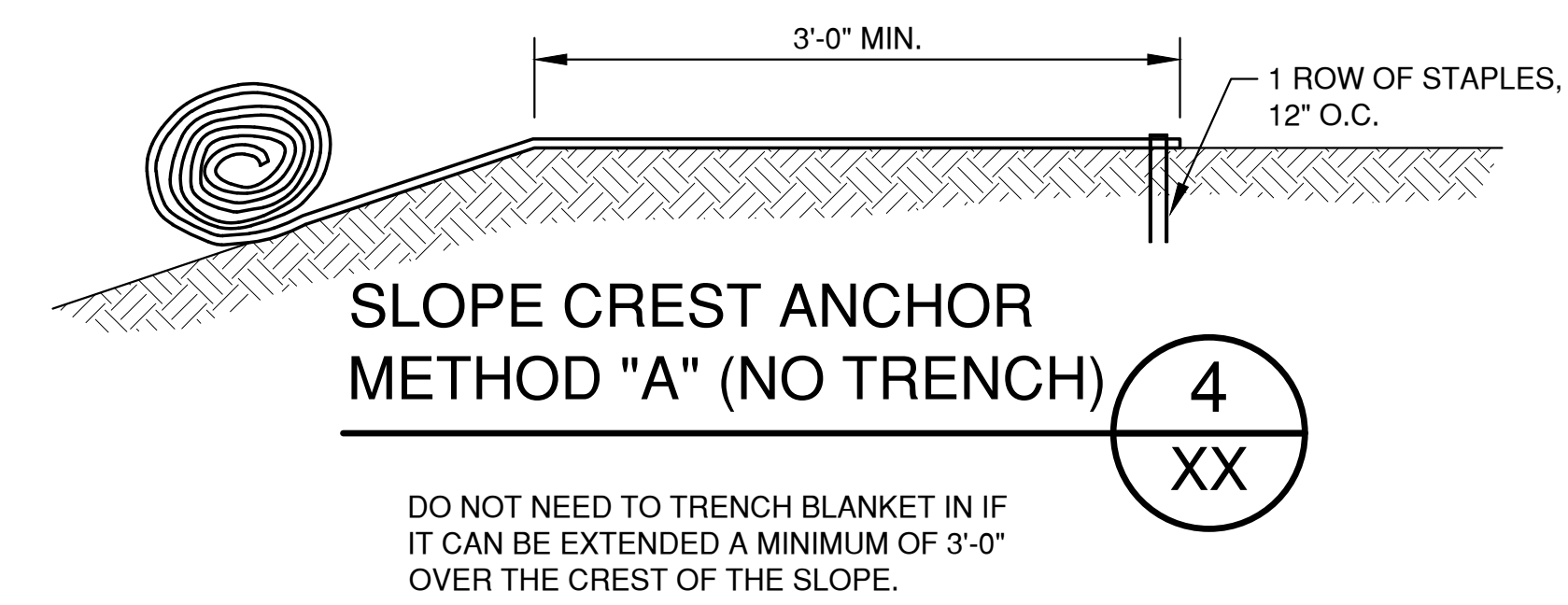
SLOPE DETAIL 1
XX



END ROLL OVERLAP 2
XX

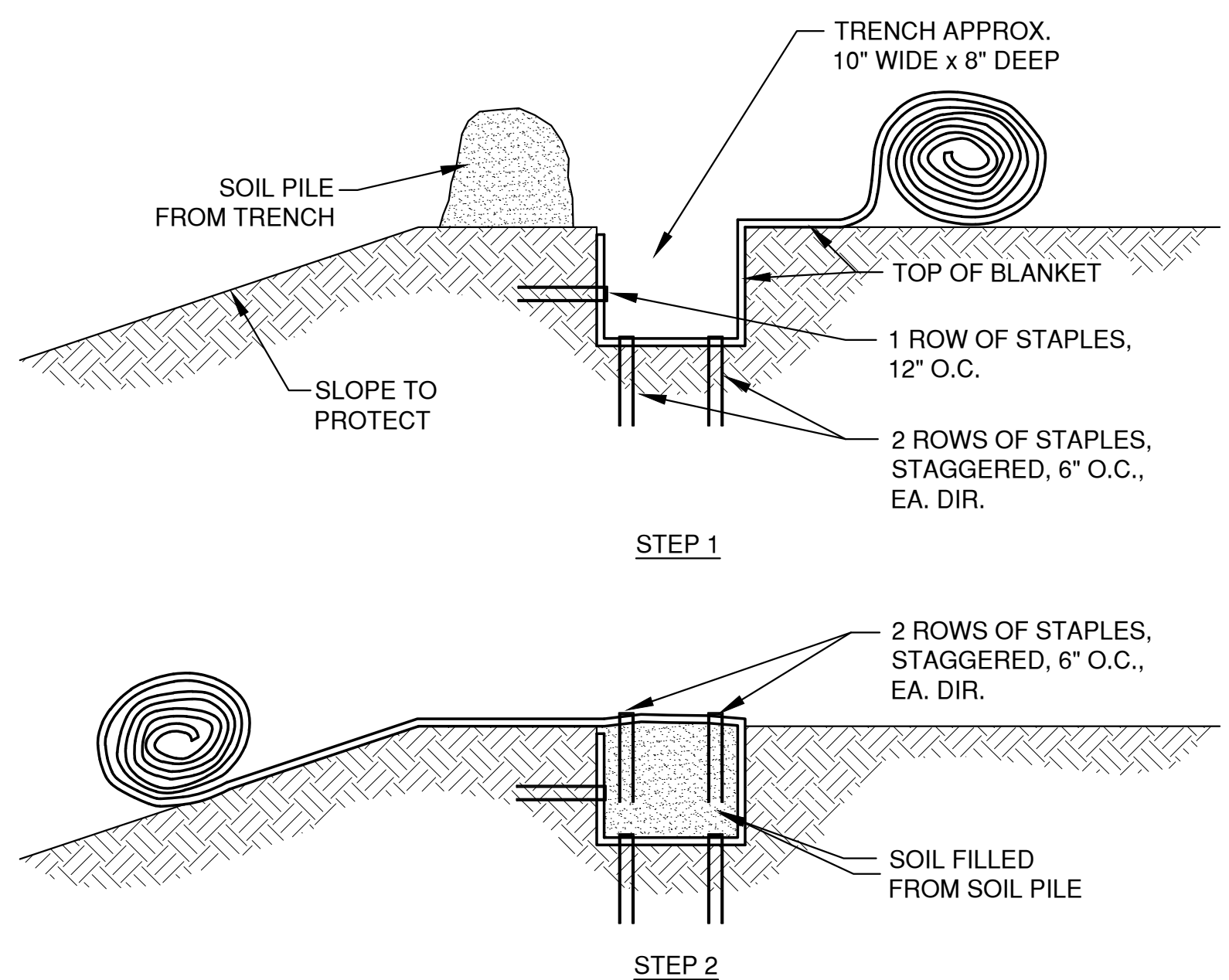


BOTTOM OF SLOPE TERMINATION 3
XX

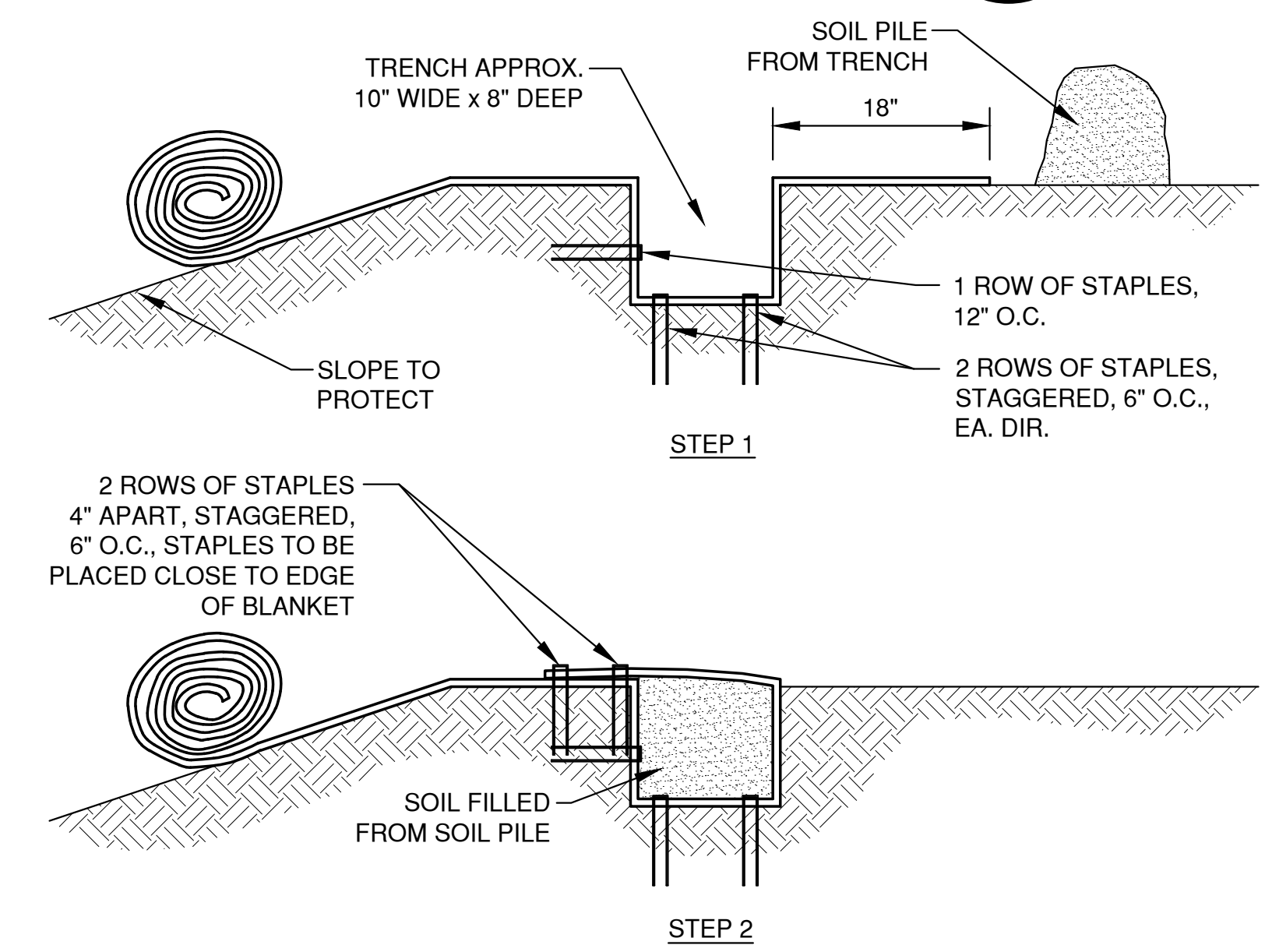


SLOPE CREST ANCHOR METHOD "A" (NO TRENCH) 4
XX

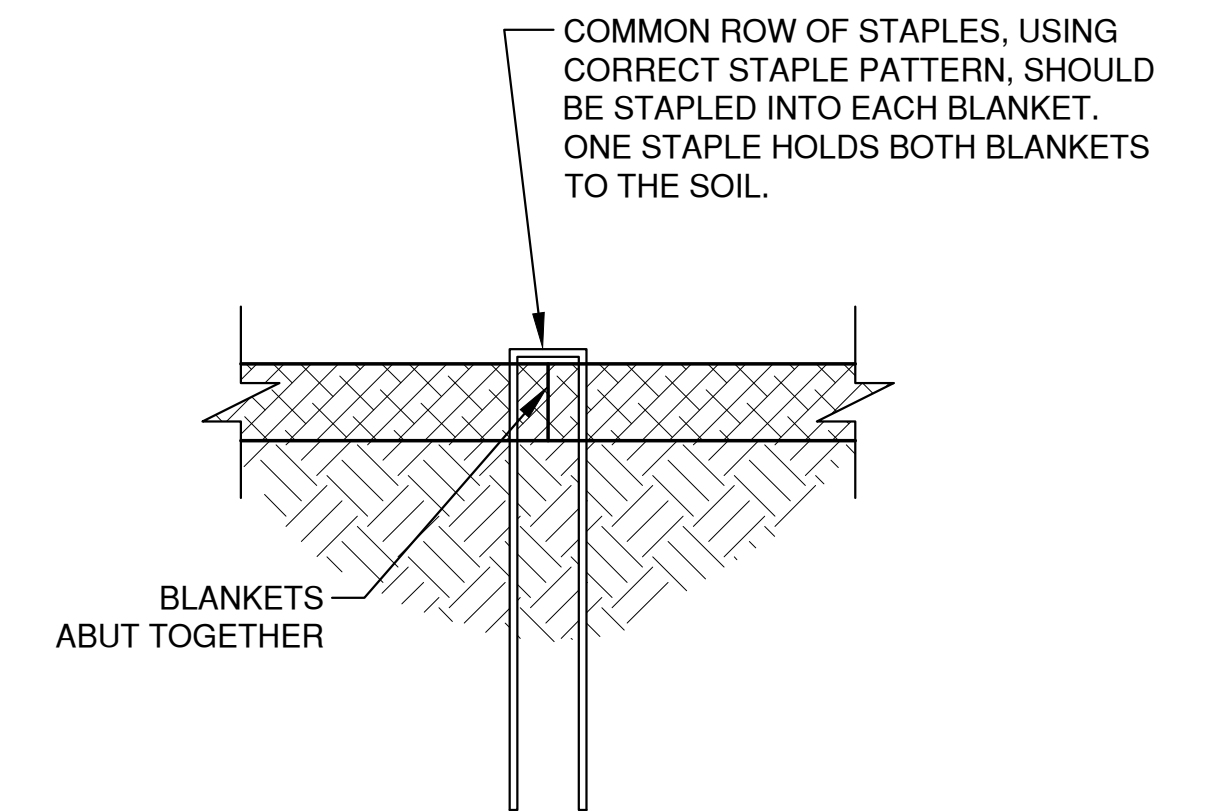
DO NOT NEED TO TRENCH BLANKET IN IF IT CAN BE EXTENDED A MINIMUM OF 3'-0" OVER THE CREST OF THE SLOPE.



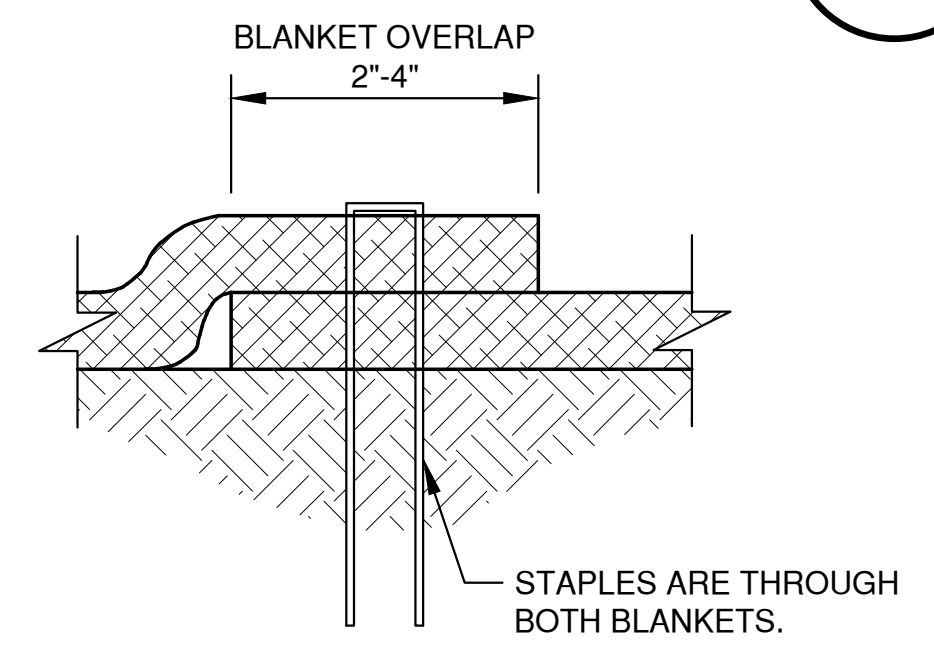
SLOPE TRENCHING METHOD "B" 5
XX



SLOPE TRENCHING METHOD "C" 6
XX



SIDE SEAM ABUT STAPLE DETAIL 7
XX



SIDE SEAM OVERLAP STAPLE DETAIL 8
XX

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

File: P:\2020\4258\4258019\DWG\4258019EC.dwg
Plot Date: May 26, 2023 11:17:00am
LAYOUT: 8 - SLOPE MAT

NO.	DATE	APPROV.	REVISION	NO.	DATE	APPROV.	REVISION

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
6258019EC
JOB NO.
6258019

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

SHEET NO.
15

EXTERIOR MATERIAL LEGEND

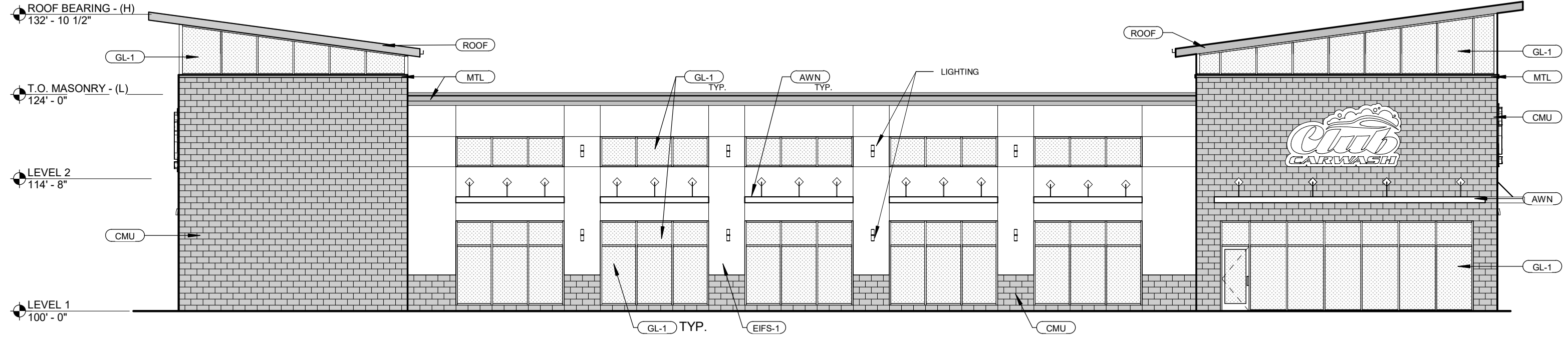
CMU	ARCHITECTURAL 8" CMU SPLIT FACE BLOCK COLOR: Blackened Ash (01-064A)	GL-1	ALUMINUM STOREFRONT GLAZING SYSTEM 2"x4 1/2" Thermal Storefront Framing in Black Painted Aluminum, w/ 1" Insulated LOW-E Tinted Glazing Unit	S/DS	PREFINISHED KYNAR-COATED SHEET METAL SCUPPER AND DOWNSPOUTS (COLOR: Matte Black)
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

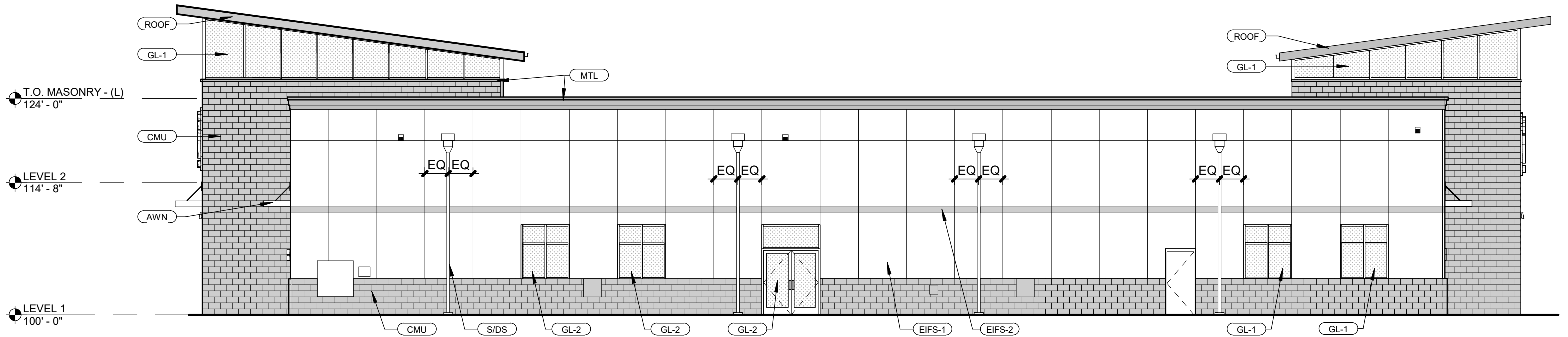
AREA = 1,555 SF
LENGTH = 146'-0"

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

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



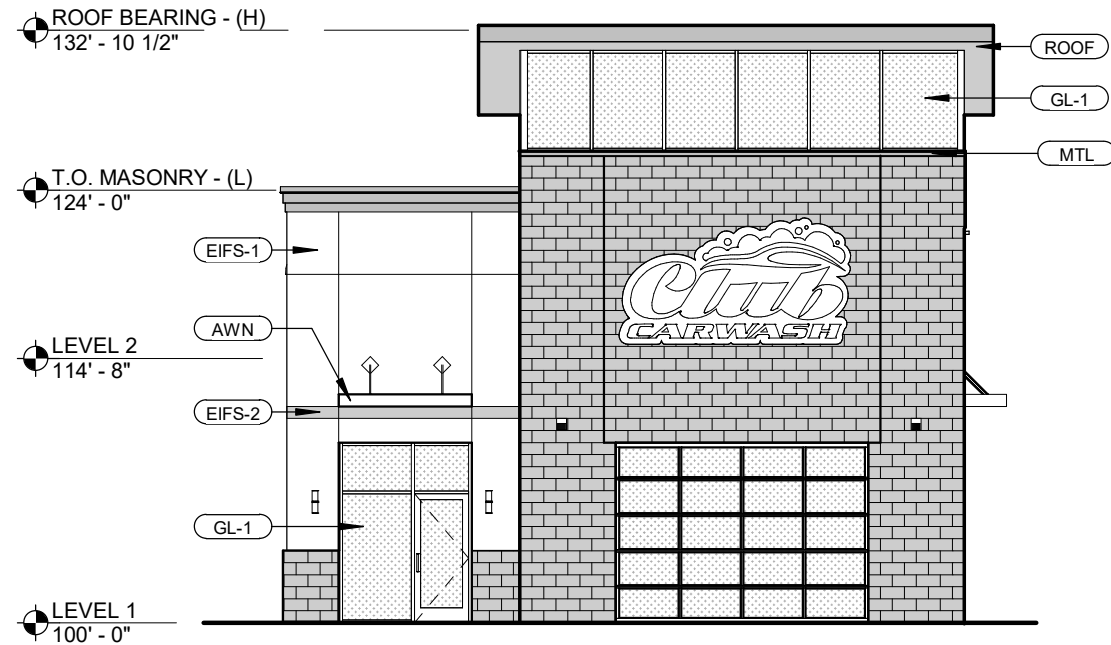
NORTH ELEVATION | 3/32" = 1'-0"



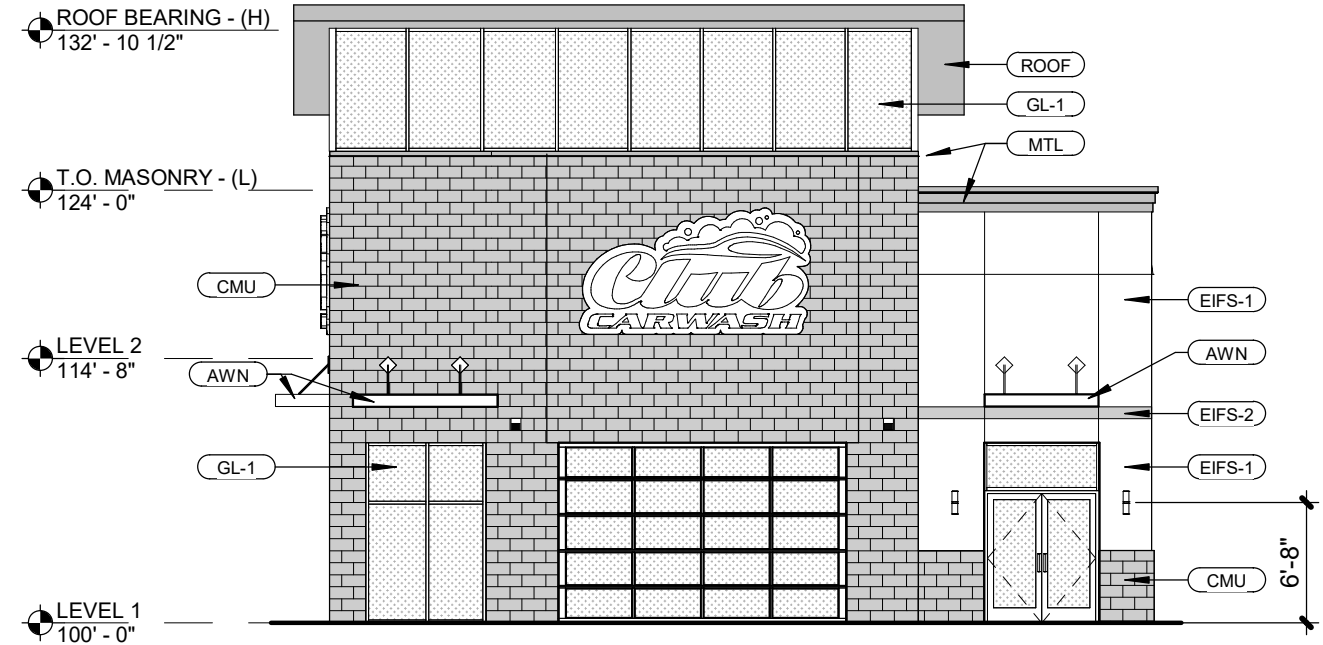
SOUTH ELEVATION | 3/32" = 1'-0"

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"x 2 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)

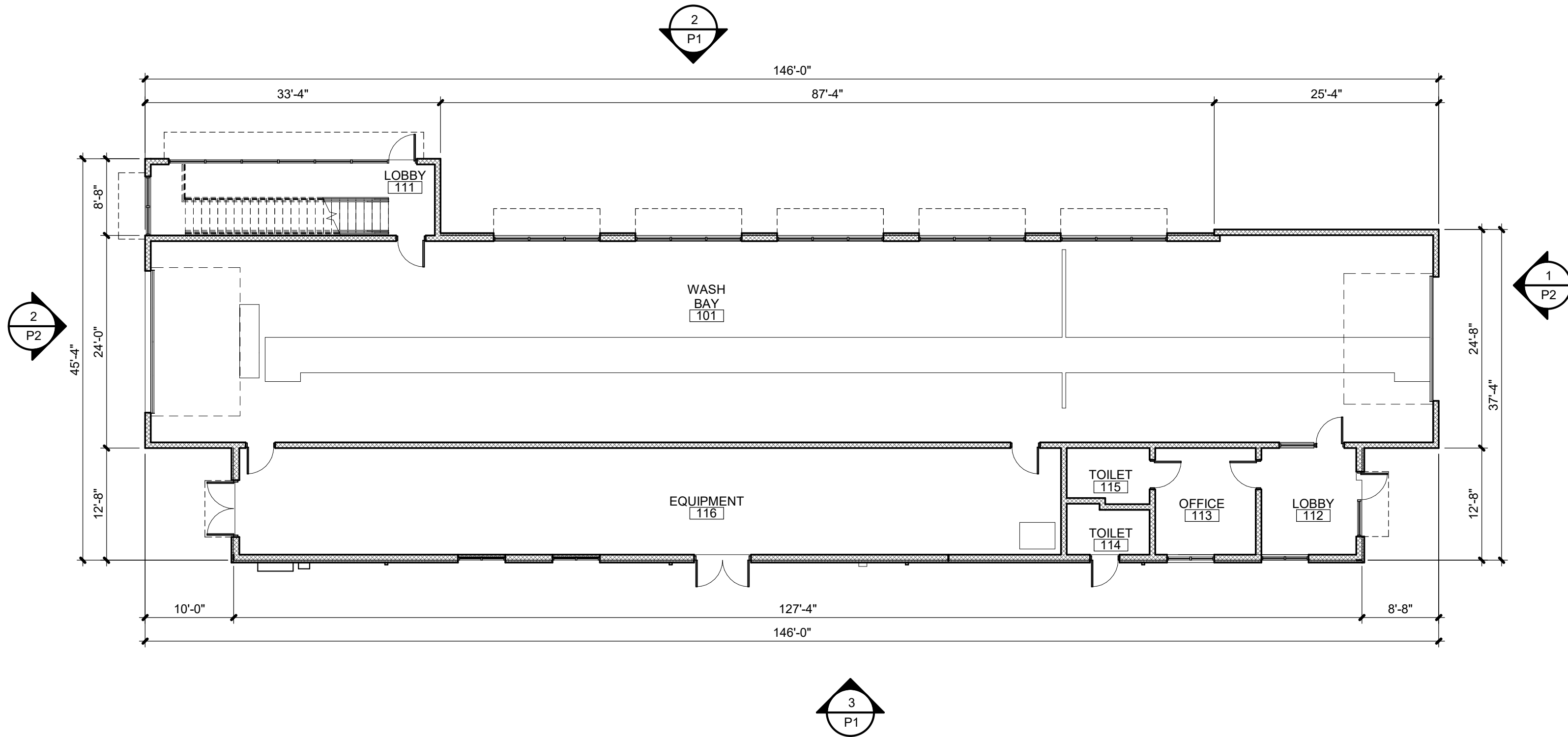


EAST ELEVATION | 3/32" = 1'-0"



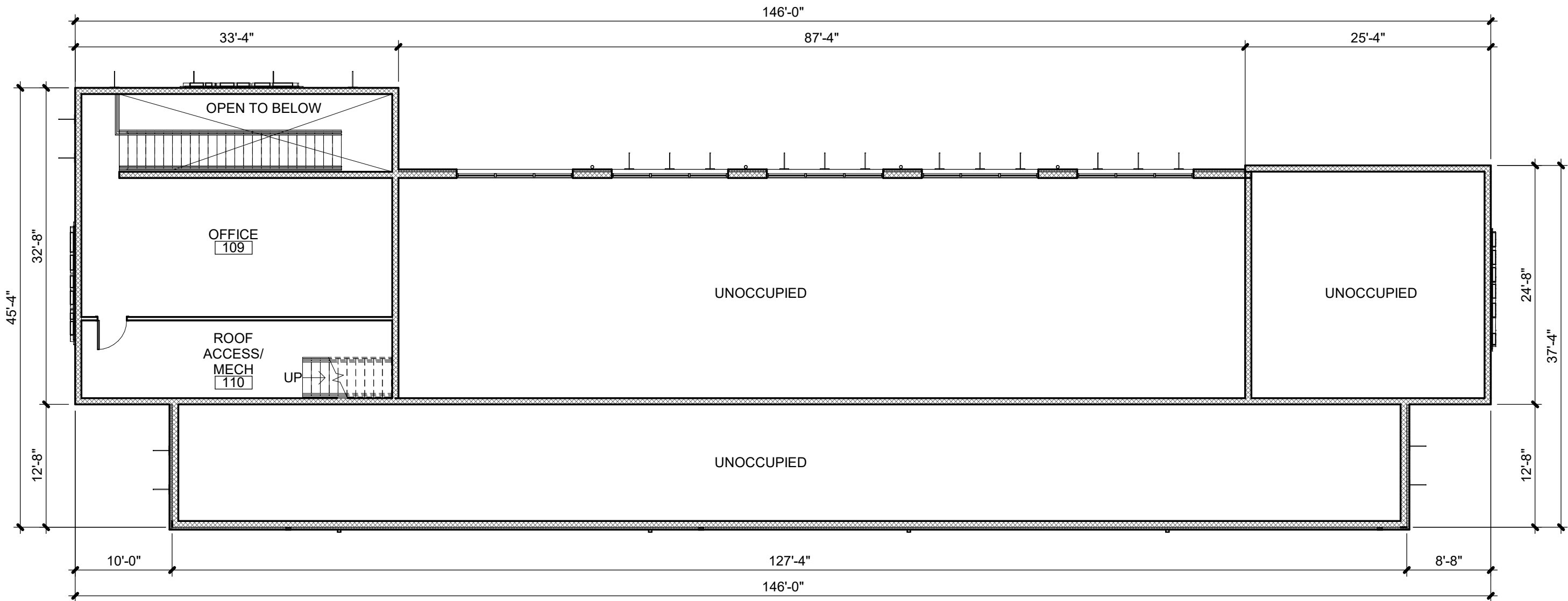
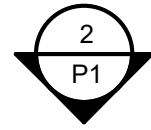
WEST ELEVATION | 3/32" = 1'-0"





FIRST FLOOR PLAN

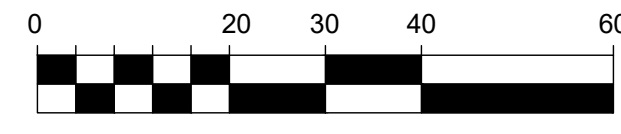




SECOND FLOOR PLAN



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:



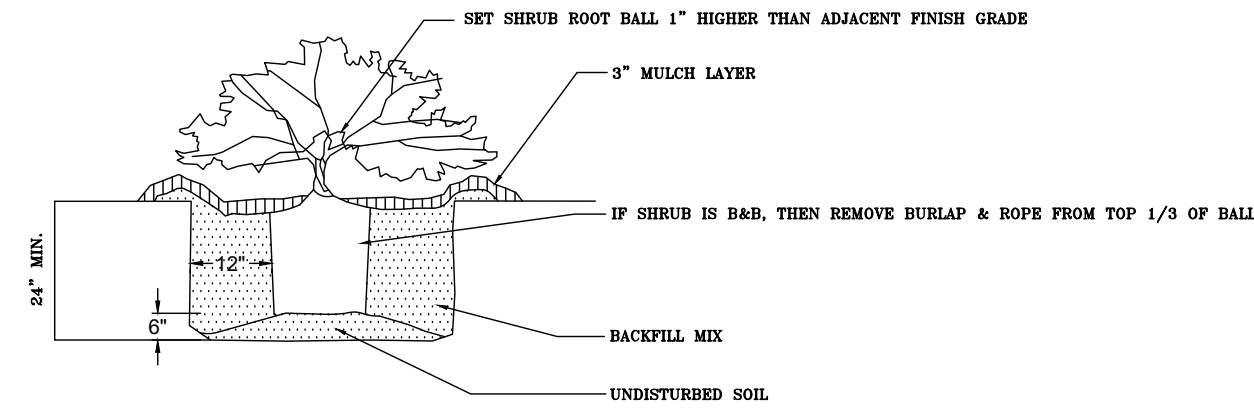
LANDSCAPE REQUIREMENTS:

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.

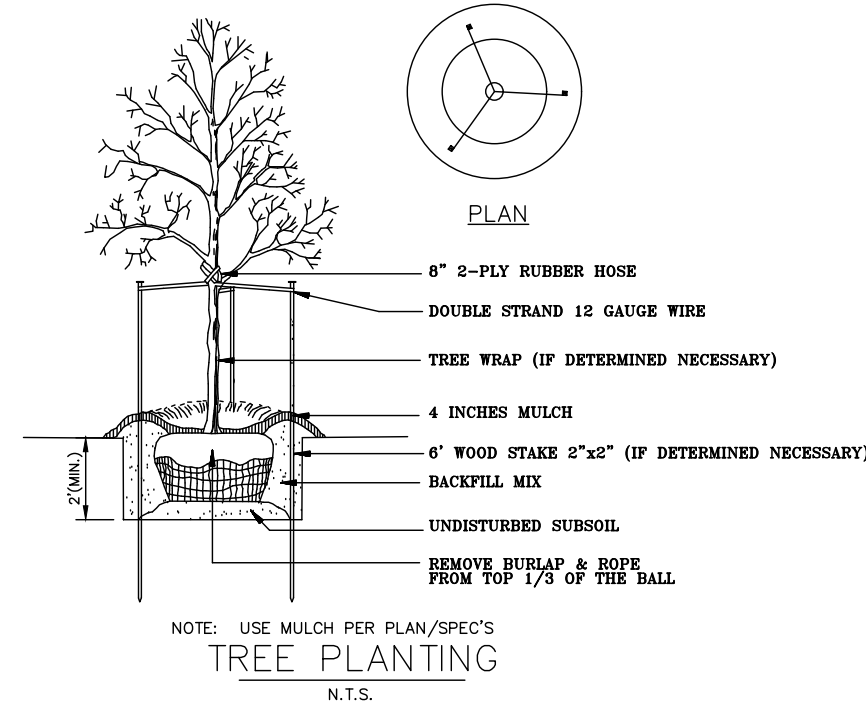
DEVELOPED AREA	=	48,054 S.F.
TOTAL POINTS REQUIRED	=	801 Pts.
TOTAL FRONTAGE	=	288 L.F.
TOTAL POINTS PROVIDED	=	1,025 Pts.



PRUNE ANY BROKEN BRANCHES AFTER PLANTING. DAMAGED SHRUBS OR BROKEN/CRUMBING ROOT BALLS WILL BE REJECTED.

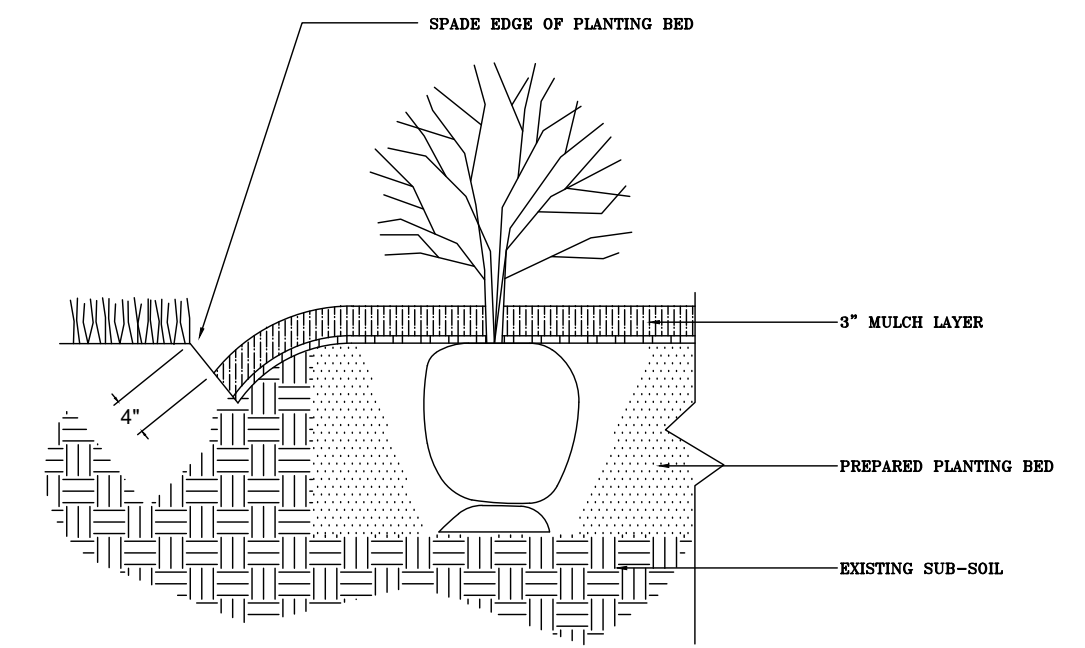
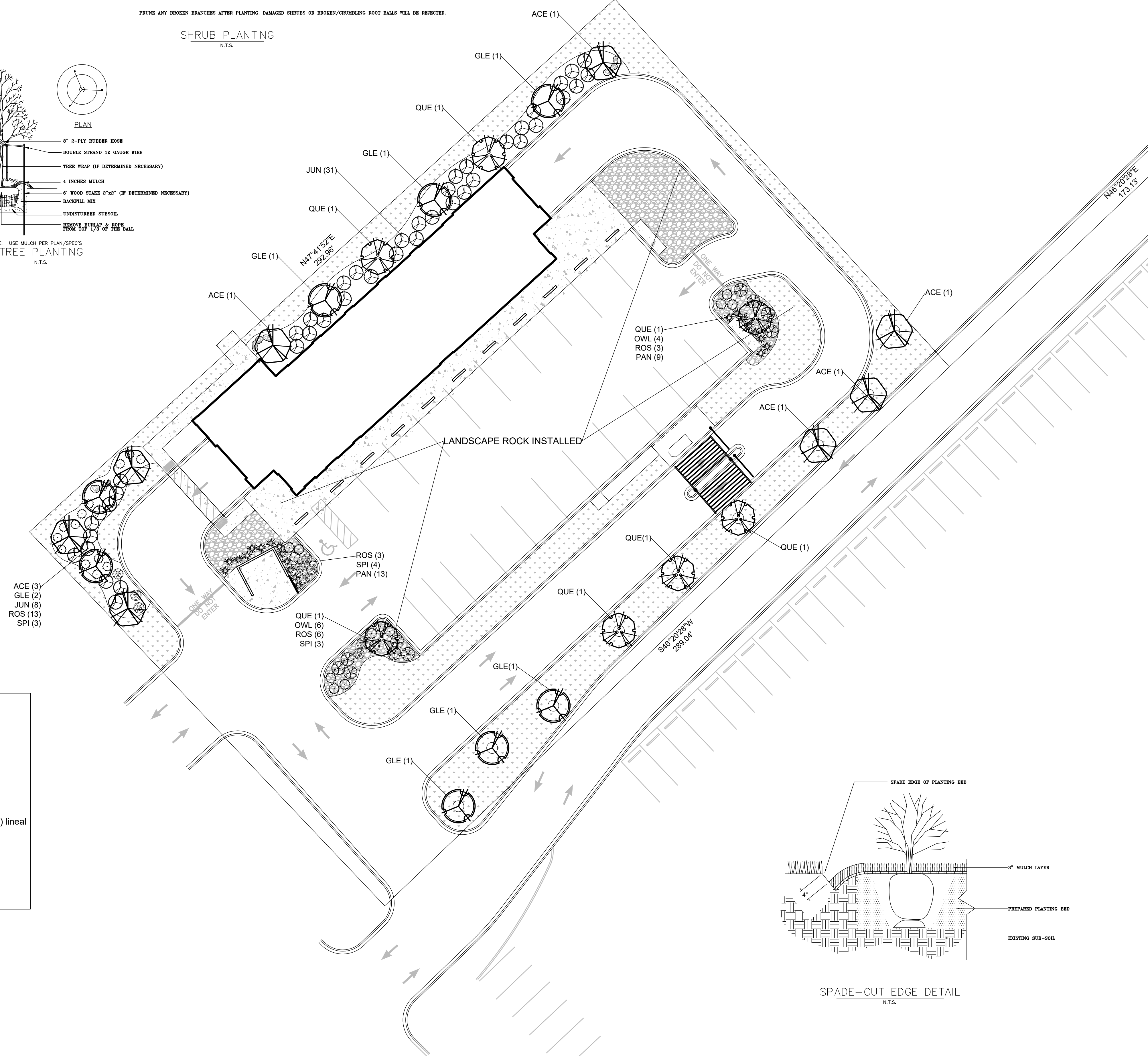
SHRUB PLANTING

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.

This drawing is the instrument of service and the intellectual property of Elevate Outdoor LLC. This plan is not to be reproduced, changed, or copied in any matter, nor is it to be assigned to any third party. Use of this plan or any of its elements without written permission and consent of Elevate Outdoor LLC is expressly prohibited.

Drawing Completed:

8-12-2022
 5-5-2023
 5-24-2023
 5-25-2023

Landscape Plan

ISSUE TITLE	DATE
PRELIMINARY SITE	05-25-2023

Project	Catalog #	Type
Prepared by	Notes	Date



McGraw-Edison GALN Galleon II

Area / Site Luminaire

Product Features

- Light Emitting Diode
- BAA

Interactive Menu

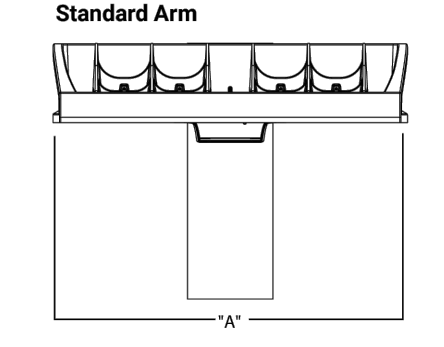
- Ordering Information page 2
- Mounting Details page 3
- Optical Distributions page 5
- Product Specifications page 5
- Energy and Performance Data page 6
- Control Options page 10

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"	48 lb	1.1

NOTE: For all section requirements and additional line art, see Mounting Details section.

COOPER Lighting Solutions

Lumark

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/collar, 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 dock.

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/collar, 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 dock.

XTOR CROSSTOUR LED

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 20W. The medium housing is available in the 30W model. Patented secure lock hinge 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 IESNA requirements for full cutoff compliance. Available in seven lumen packages: 5000K, 4000K and 3000K CCT.

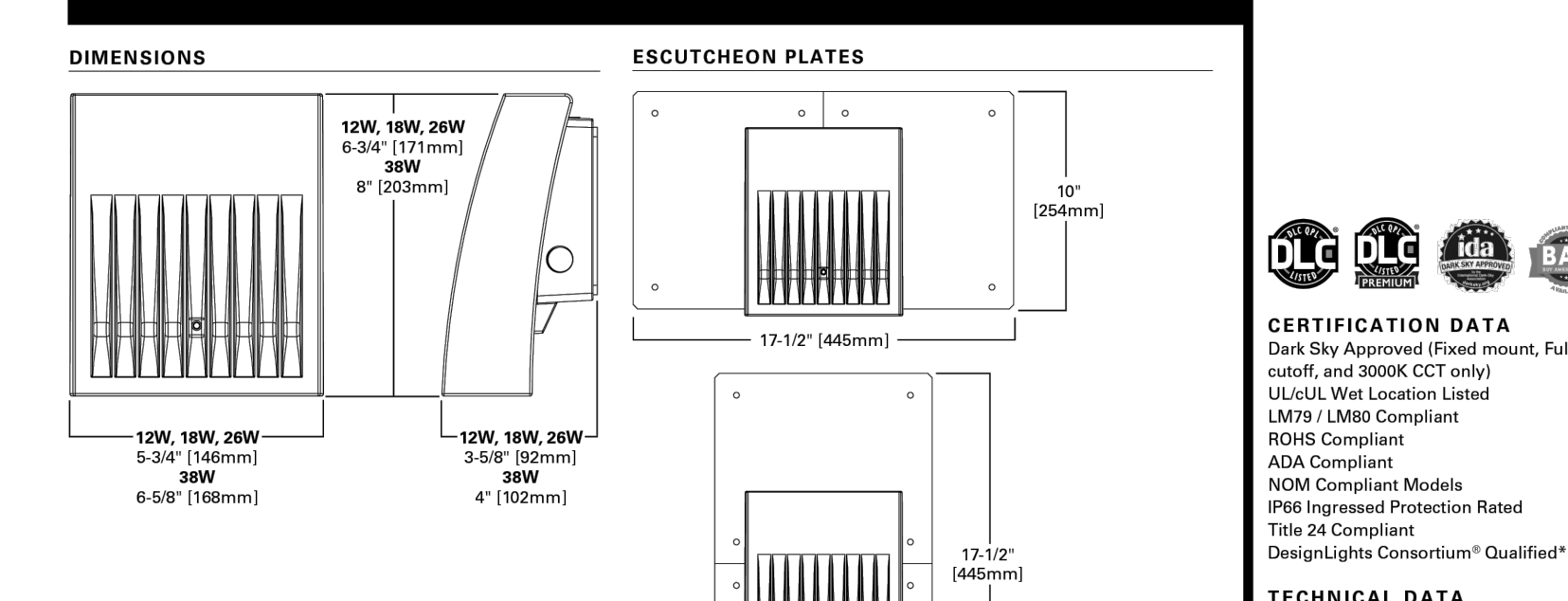
Electrical
LED driver is mounted to the die-cast housing for optimal heat sinking. LED thermal management system incorporates both conduction and natural convection to transfer heat rapidly away from the LED source. 12W, 18W, 20W and 30W series operate in -40°C to 40°C (-40°F to 104°F). High ambient 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 three branch wiring. Back box is an authorized

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.

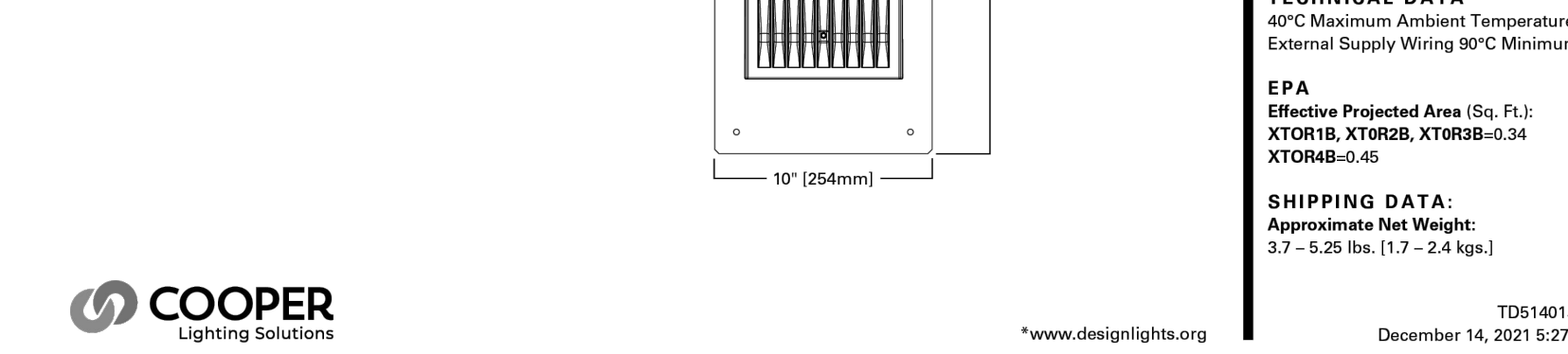
Warranty
Five-year warranty.

APPLICATIONS: WALL / SURFACE POST / BULLARD LOW LEVEL FLOODLIGHT INVERTED SITE LIGHTING

Dimensions



ESCUICHEON PLATES



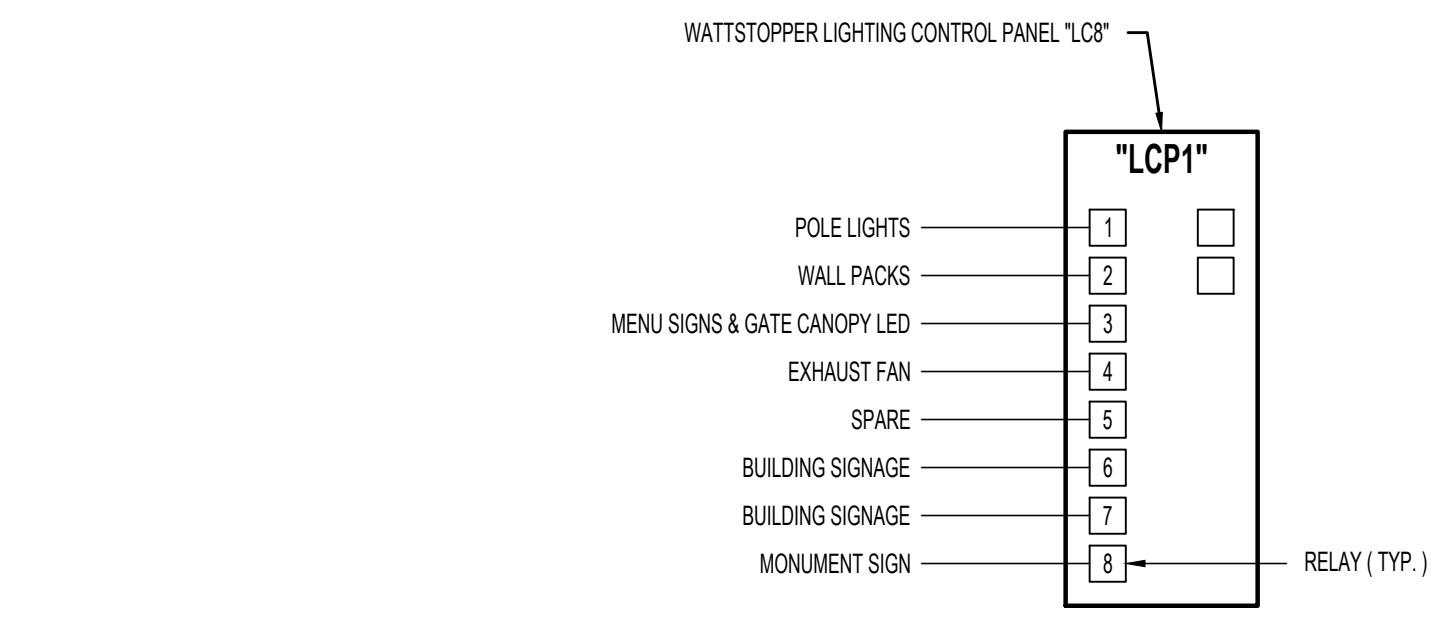
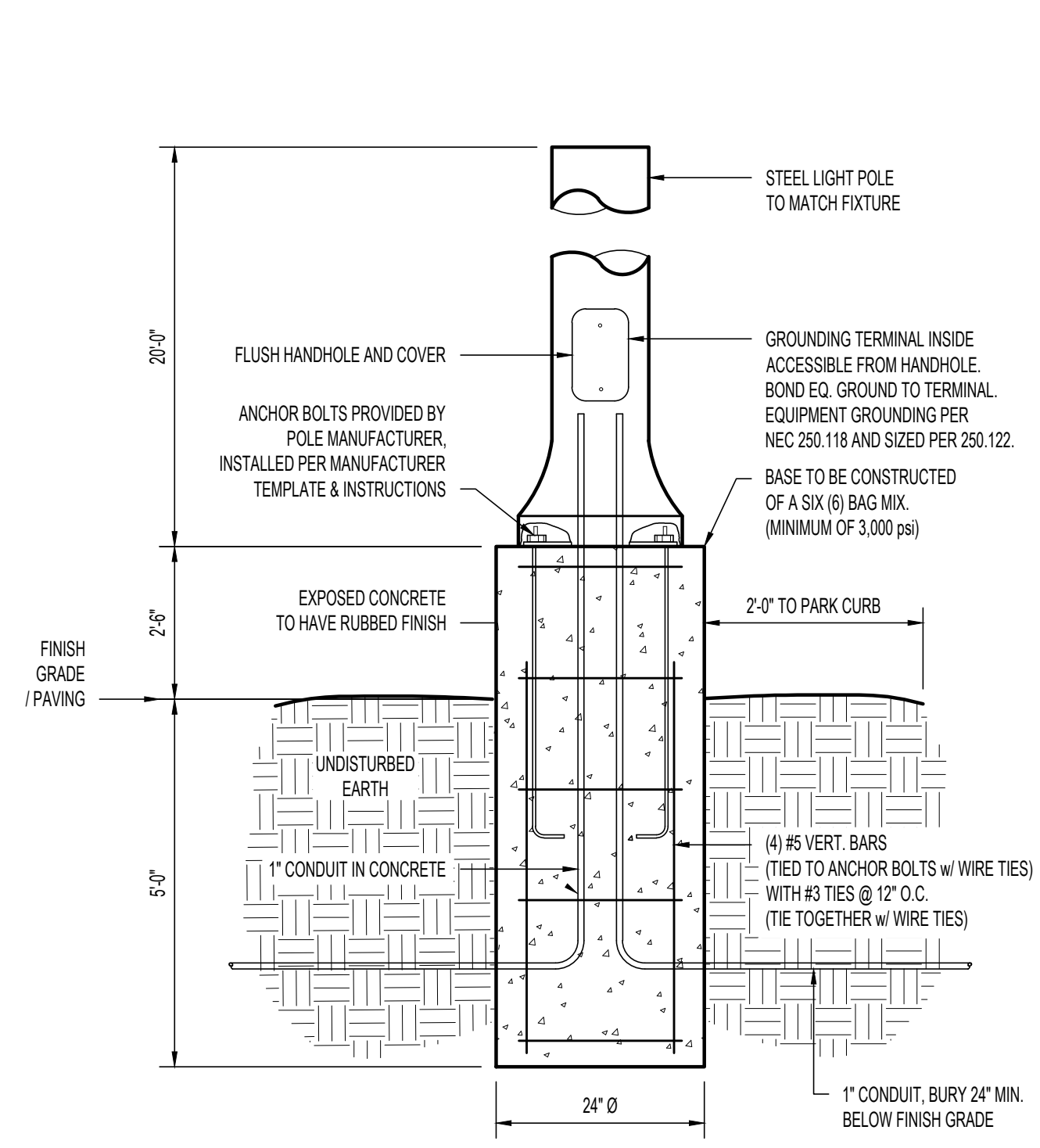
CERTIFICATION DATA
Dark Sky Approved (fixed mount, Full cutoff, and 3000K CCT only)
UL/cUL Wet Location Listed
LM79 LM80 Compliant
ROHS Compliant
AEM Compliant
NOM Compliant Models
IP68 (approved Protection Rated)
Title 24 Compliant
DesignLights Consortium™ Qualified*

TECHNICAL DATA
50°C Maximum Ambient Temperature
External Supply Wiring 90°C Minimum

EPA
Effective Projected Area (sq. Ft.):
XTOR16, XTOR20, XTOR30, XTOR30-0.34
XTOR16-0.40

SHIPPING DATA:
Approximate Net Weight:
3.7 - 5.25 lbs. (1.7 - 2.4 kgs.)

COOPER Lighting Solutions



LIGHTING CONTROL PANEL SCHEDULE PANEL NO. - LCP1

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.

EXTERIOR LIGHT FIXTURE SCHEDULE

MARK	MANUFACTURER	MODEL NO.	TYPE	VOLTS	AMPS	WATTS	LUMENS	CCT (°K)	CRI	LAMPS	MOUNTING	REMARKS
F1	MCGRAW 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	MCGRAW 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	MCGRAW 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	XTOR48-W	WALL PACK	277	0.14	38	4,269	4000	70	LED	WALL	

NOTES:

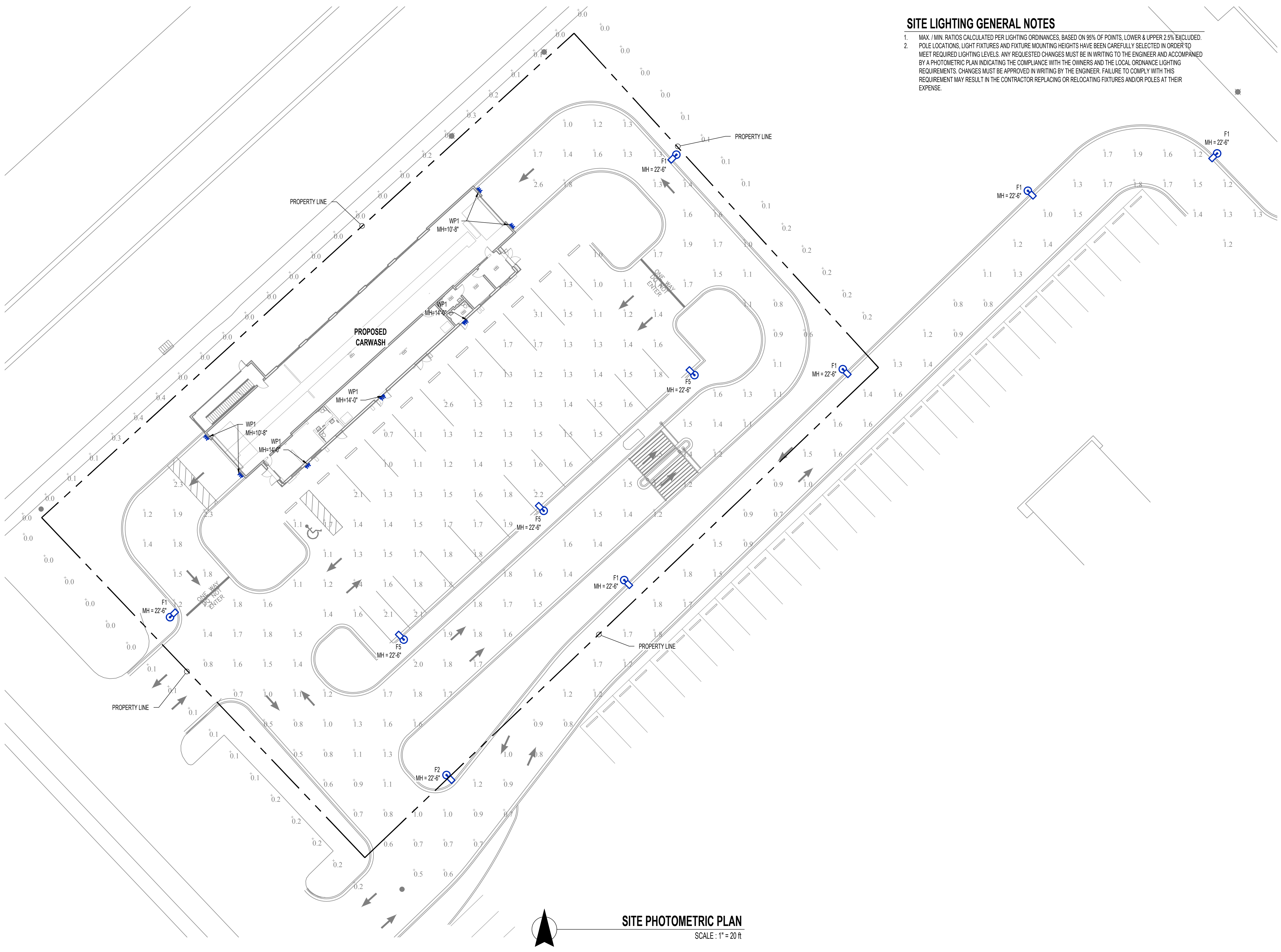
- ALL LIGHT FIXTURES, POLES, AND ASSOCIATED EQUIPMENT SHALL BE SUPPLIED BY OWNER, INSTALLED BY CONTRACTOR
- LIGHT FIXTURES ARE SUPPLIED BY OWNER AS PART OF A NATIONAL ACCOUNT WITH LIGHTING ASSOCIATES, INC. PLEASE CONTACT JUSTIN HATFIELD AT LIGHTING ASSOCIATES INC WITH QUESTIONS: 573-289-0880 jhatfield@laweb.net
- 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. I/MR. RATIOS CALCULATED PER LIGHTING ORDINANCES, BASED ON 8% OF POINTS, LOWER & UPPER 25% 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.



THE PROFESSIONAL ENGINEER'S SEAL ON THIS SEAL. THE ENGINEER TAKES RESPONSIBILITY FOR THE WORK SHOWN ON THIS DRAWING ONLY, AND HEREBY DISCLAIMS ANY AND ALL RESPONSIBILITY FOR OTHER PROJECT DRAWINGS NOT DIRECTLY BEARING THIS SEAL.

PRELIMINARY NOT INTENDED FOR CONSTRUCTION

SARAH N. KRIETE, P.E. xxx xx, 2023
48756-6
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:
COLxxxx	SNK
DRAWN BY:	CHECKED BY:
SNK	SLF

CLUB CARWASH

3909 & 3913 LIEN RD
MADISON, WI

SHEET TITLE

SITE PHOTOMETRIC PLAN

SHEET NUMBER

MEP3