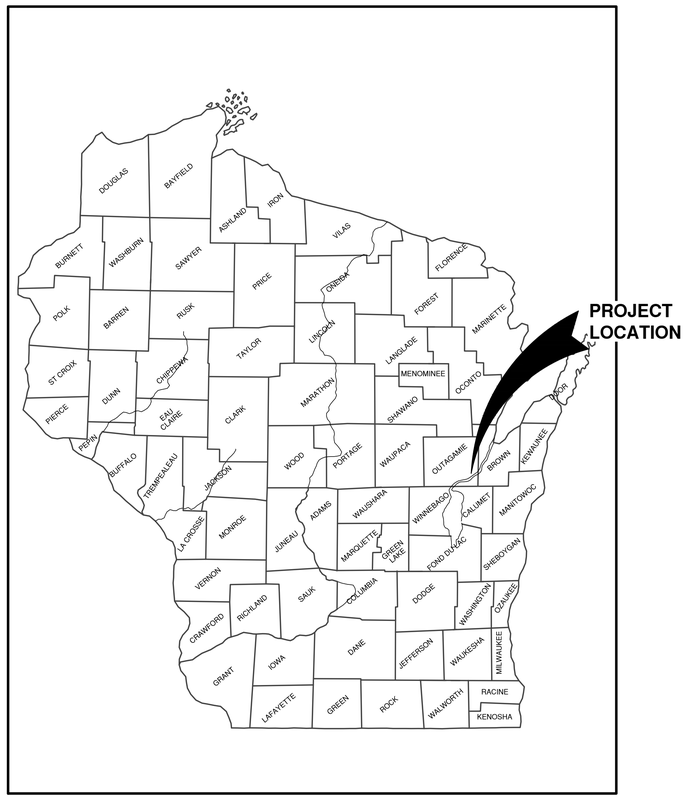
SITE DEVELOPMENT OF ENTERPRISE ELECTRIC
FOR KELLER, INC,
CITY OF KAUKAUNA, OUTAGAMIE COUNTY, WISCONSIN

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.

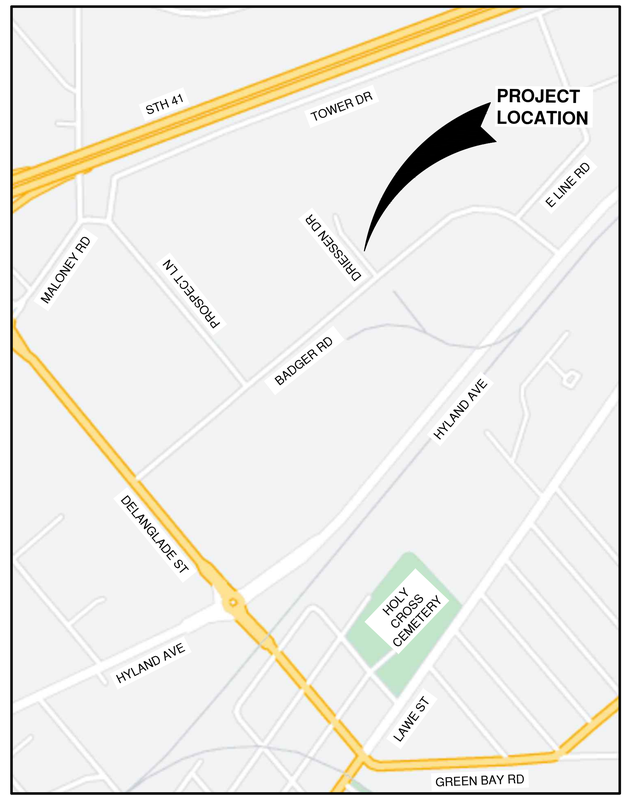


VICINITY MAP

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



LOCATION MAP

NO.	DATE	APPROV.	REVISION	NO.	DATE	APPROV.	REVISION	DRAWN KDC / CHECKED ---- / DESIGNED AJB	SITE DEVELOPMENT OF ENTERPRISE ELECTRIC FOR KELLER, INC. CITY OF KAUKAUNA OUTAGAMIE COUNTY, WISCONSIN	LOCATION MAP AND INDEX TO DRAWINGS	DATE 08/2023 / FILE 2450031C / JOB NO. 2450031	Robert E. Lee & Associates, Inc. 1250 Centennial Centre Blvd | Hobart, WI | 920-662-9641 | releeinc.com	SHEET NO. C

OWNER INFORMATION:

ENTERPRISE ELECTRIC
1039 DRIESSEN DRIVE
KAUKAUNA, WI, 54310

(920) 850-6354

CONTACT: RYAN VAN DERRA

CONTRACTOR INFORMATION:

KELLER, INC.
N216 STATE HIGHWAY 55
KAUKAUNA, WI 54130

(920) 766-5795

CONTACT: JEREMY NOLL

UTILITY INFORMATION:

UTILITIES PRESENT:
CITY OF KAUKAUNA DEPARTMENT OF PUBLIC WORKS, KAUKAU UTILITIES, WE ENERGIES, AT& T, TIME WARNER, TDS METROCOM, AND WIN LLC.

UTILITIES SHOWN ON THIS MAP ARE BASED ON LOCATES FROM:

DIGGER'S HOTLINE TICKETS NUMBERED 20232402827 AND 20232402832, BOTH DATED 06/22/2023, 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/STORM SEWER:
DEPARTMENT OF PUBLIC WORKS
CITY OF KAUKAUNA
144 W SECOND ST
KAUKAUNA, WI 54130

(920) 766-6300

WATER/ELECTRIC:
KAUKAUNA UTILITIES
777 ISLAND ST.
KAUKAUNA, WI 54130

(920) 766-5721

GAS & ELECTRIC:
WE ENERGIES
800 S. LYNNDALE DR.
APPLETON, WI 54914

(800) 242-9137

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

(920) 433-4147

TELECOMMUNICATIONS:
TIME WARNER
3520 DESTINATION DR.
APPLETON, WI 54195

(920) 831-9249

TELECOMMUNICATIONS:
TDS METROCOM / TDS TELECOM
W6174 AEROTECH DR. SUITE A
APPLETON, WI 54914

(920) 882-3342

TELECOMMUNICATIONS:
WIN TECHNOLOGY
4955 BULLS FARM ROAD
EAU CLAIRE, WI. 54701

(920) 840-6861

DIGGERS HOTLINE
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.

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

- EDGE OF ASPHALT
- EDGE OF GRAVEL
- CURB & GUTTER
- TREE/BRUSH LINE
- CONTOUR LINE (750)
- RETAINING WALL
- GUARD RAIL
- FENCE

- SANITARY SEWER (SIZE NOTED) (8SS)
- FORCEMAIN (SIZE NOTED) (4FM)
- STORM SEWER (SIZE NOTED) (10ST)
- WATERMAIN (SIZE NOTED) (6W)
- GAS LINE (G)
- OVERHEAD TELEPHONE LINE (OT)
- UNDERGROUND TELEPHONE LINE (T)
- OVERHEAD ELECTRIC LINE (OE)
- UNDERGROUND ELECTRIC LINE (E)
- OVERHEAD CABLE TV LINE (OTV)
- CABLE TV LINE (TV)
- FIBER OPTIC LINE (FO)
- R/W LINE
- PROPERTY LINE
- EASEMENT LINE
- BUILDING SETBACK LINE
- SECTION LINE

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

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

DRAWN LLP
CHECKED —
DESIGNED AJB

SITE DEVELOPMENT OF ENTERPRISE ELECTRIC
FOR KELLER, INC.
CITY OF KAUKAUNA
OUTAGAMIE COUNTY, WISCONSIN

GENERAL NOTES

DATE 07/2023
FILE 2450031T
JOB NO. 2450031

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

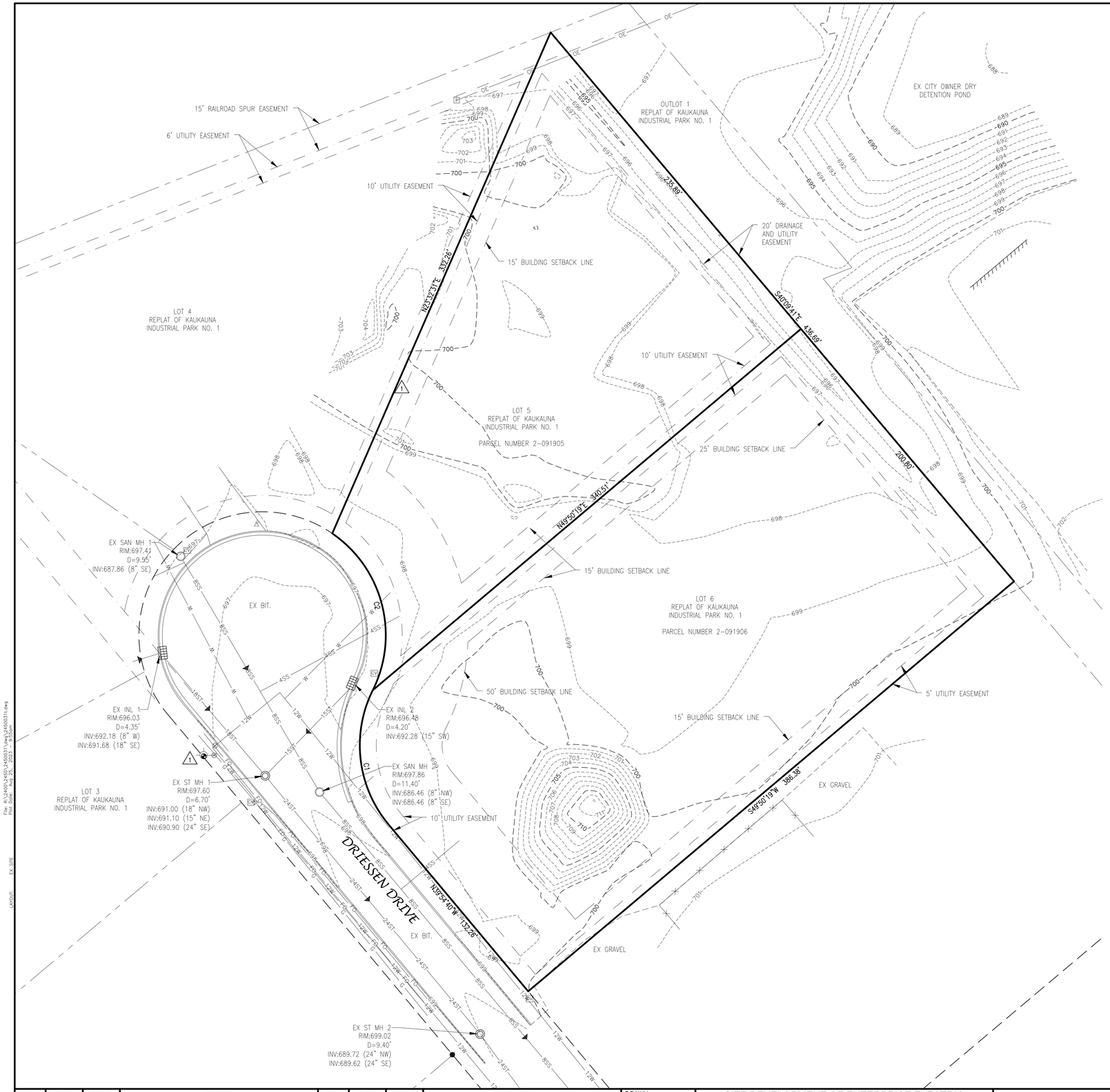
SHEET NO. 1

File: R:\2450\2450031\dwg\2450031-dwg
Plot Date: Aug 25, 2023 - 8:56am
Layout: GEN NOTES

BENCHMARK	BENCHMARK ESTABLISHED BY: ROBERT E. LEE & ASSOCIATES, INC. **FIELD VERIFY BENCHMARKS FOR ACCURACY.**	
NO.	DESCRIPTION	EL.
1	BURY TAG BOLT ON HYDRANT	699.07

Curve Table

Curve #	Delta	Radius	Length	Chord Direction	Chord Length	Tangent Bearing	Second Tangent Bearing
C1	66°25'19"	75.00'	86.95'	S06°42'00"E	82.16'	S26°30'39"W	S39° 54' 40"E
C2	81°59'55"	75.00'	107.34'	N14°29'19"W	98.41'	N26°30'39"E	N55° 29' 17"W



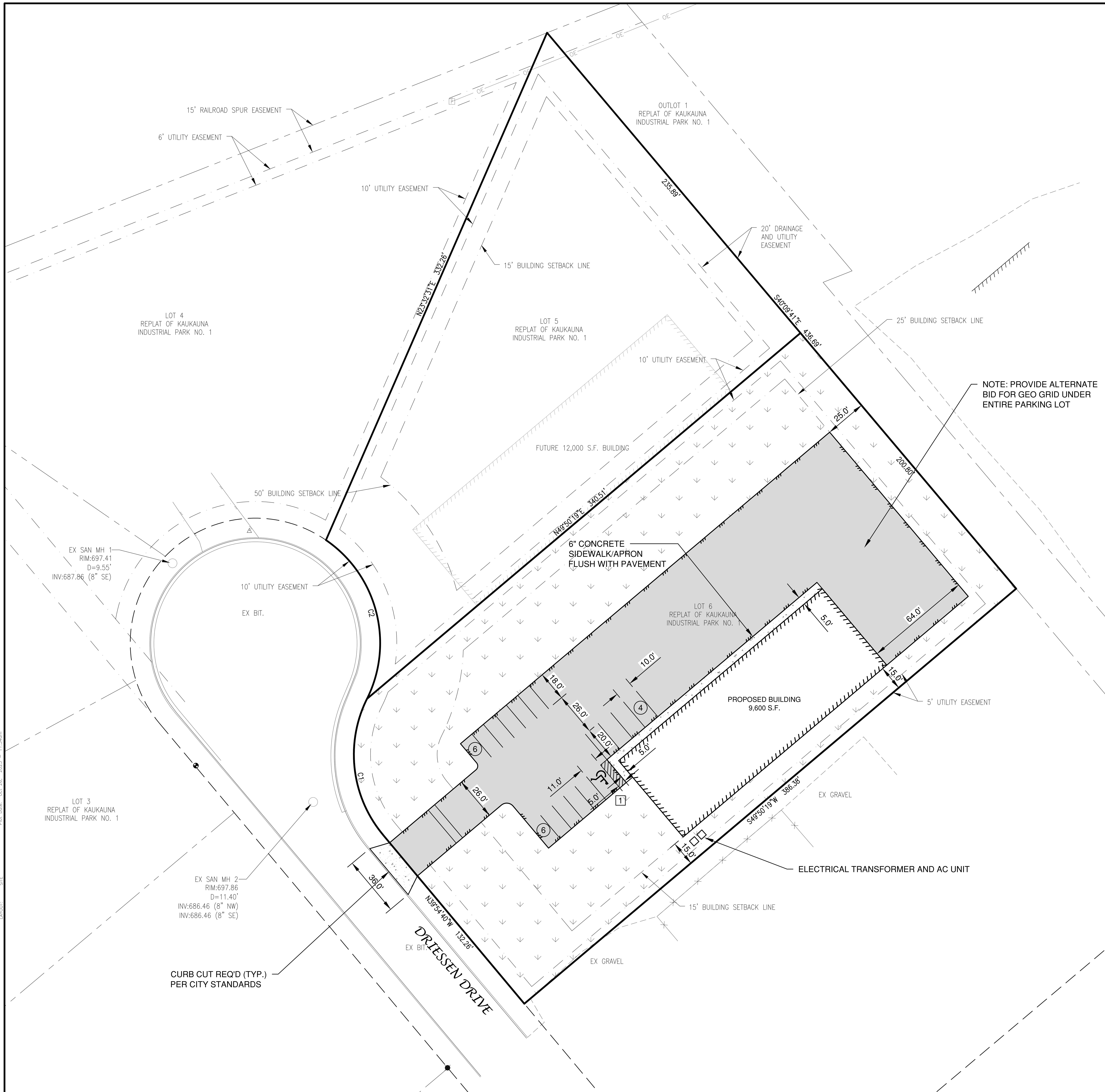
NORTH

0' 30' 60'

SCALE IN FEET

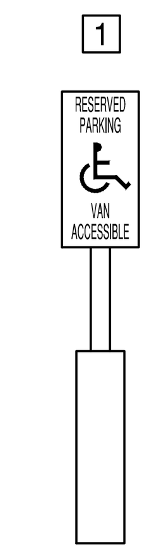
NO.	DATE	APPROV.	REVISION	NO.	DATE	APPROV.	REVISION	DRAWN LLP / CHECKED ---- / DESIGNED AJB	SITE DEVELOPMENT OF ENTERPRISE ELECTRIC FOR KELLER, INC. CITY OF KAUKAUNA OUTAGAMIE COUNTY, WISCONSIN	EXISTING SITE CONDITIONS	DATE 07/2023 / FILE 2450031T / JOB NO. 2450031	Robert E. Lee & Associates, Inc. 1250 Centennial Centre Blvd | Hobart, WI | 920-662-9641 | releeinc.com	SHEET NO. 2

File: R:\2400\2450\2450031\dwg\2450031.dwg
Plot Date: Aug 25, 2023 9:35am
LAYOUT: EX SITE



LEGEND

- CONCRETE PAVEMENT
- ASPHALT PAVEMENT (25,668 S.F.)
- GREEN SPACE
- PROPOSED 18" STANDARD CURB AND GUTTER
- TRAFFIC FLOW ARROW
- HANDICAPPED PARKING
- (12) INDICATES NUMBER OF PARKING STALLS



*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 = 16

HANDICAP ACCESSIBLE PARKING STALLS = 1

TOTAL PARKING STALLS REQUIRED = 16 (SUFFICIENT TO NOT USE STREET PARKING)

SITE DATA

TOTAL AREA = 1.76 ACRES, 76,638 S.F.

BUILDING AREA = 0.22 ACRES, 9,600 S.F. (12.5%)

SIDEWALK/PARKING LOT AREA = 0.61 ACRES, 26,552 S.F. (34.7%)

GREEN SPACE = 0.93 ACRES, 40,486 S.F. (52.8%)

ZONING

IPD - INDUSTRIAL PARK DISTRICT

PARCEL NO.

322091906

NORTH

0' 30' 60'

SCALE IN FEET

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

DRAWN LLP
CHECKED ---
DESIGNED AJB

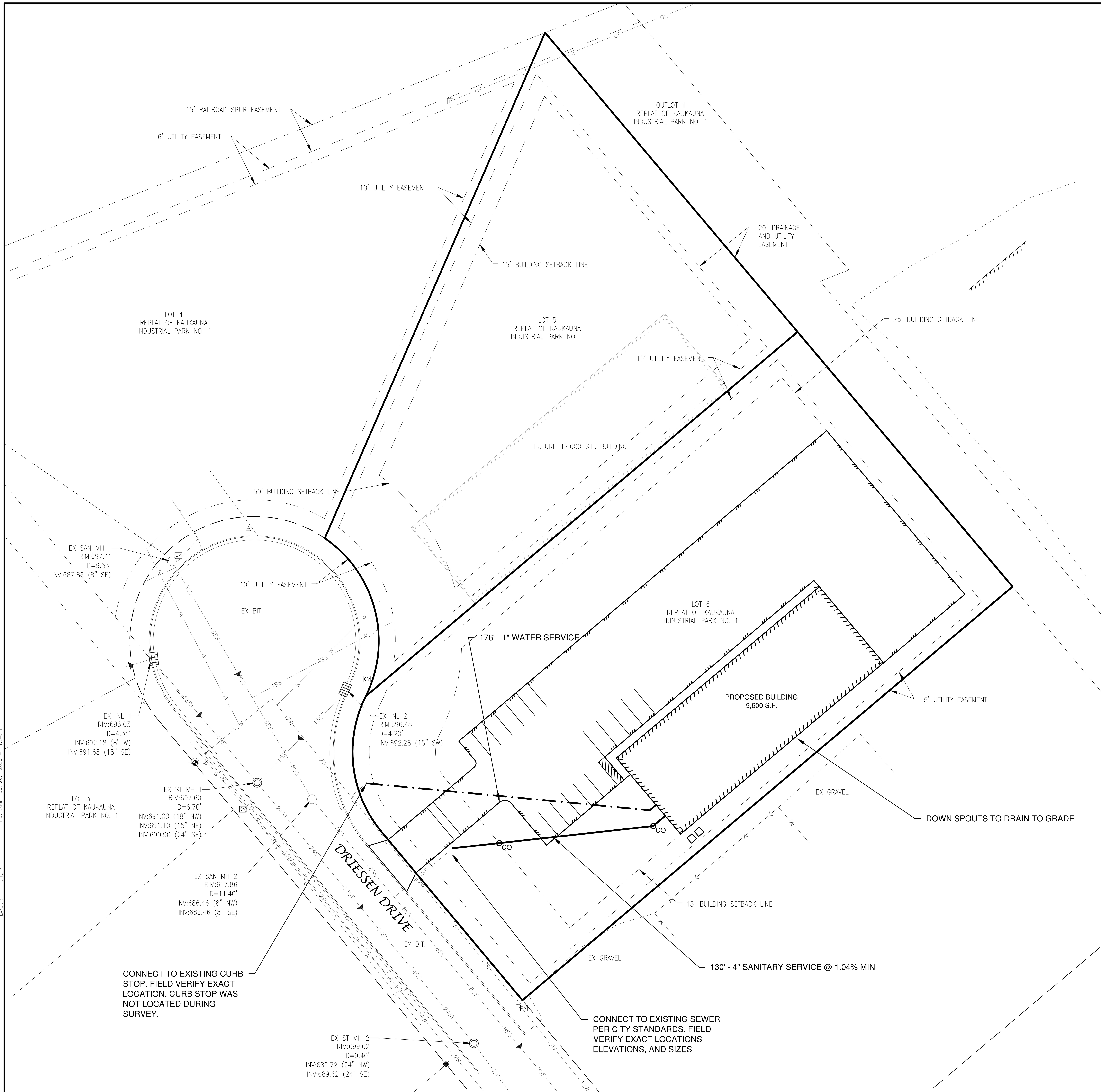
SITE DEVELOPMENT OF ENTERPRISE ELECTRIC
FOR KELLER, INC.
CITY OF KAUKAUNA
OUTAGAMIE COUNTY, WISCONSIN

SITE PLAN

DATE 08/2023
FILE 2450031D
JOB NO. 2450031

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

SHEET NO. 3


15' RAILROAD SPUR EASEMENT
6' UTILITY EASEMENT
10' UTILITY EASEMENT
OUTLOT 1
REPLAT OF KAUKAUNA
INDUSTRIAL PARK NO. 1
20' DRAINAGE
AND UTILITY
EASEMENT
15' BUILDING SETBACK LINE
LOT 4
REPLAT OF KAUKAUNA
INDUSTRIAL PARK NO. 1
LOT 5
REPLAT OF KAUKAUNA
INDUSTRIAL PARK NO. 1
25' BUILDING SETBACK LINE
10' UTILITY EASEMENT
FUTURE 12,000 S.F. BUILDING
50' BUILDING SETBACK LINE
EX SAN MH 1
RIM:697.41
D=9.55'
INV:687.86 (8" SE)
10' UTILITY EASEMENT
EX BIT.
LOT 6
REPLAT OF KAUKAUNA
INDUSTRIAL PARK NO. 1
176' - 1" WATER SERVICE
PROPOSED BUILDING
9,600 S.F.
5' UTILITY EASEMENT
EX INL 1
RIM:696.03
D=4.35'
INV:692.18 (8" W)
INV:691.68 (18" SE)
EX INL 2
RIM:696.48
D=4.20'
INV:692.28 (15" SW)
LOT 3
REPLAT OF KAUKAUNA
INDUSTRIAL PARK NO. 1
EX ST MH 1
RIM:697.60
D=6.70'
INV:691.00 (18" NW)
INV:691.10 (15" NE)
INV:690.90 (24" SE)
EX GRAVEL
DOWN SPOUTS TO DRAIN TO GRADE
CO
CO
DRIESSEN DRIVE
EX SAN MH 2
RIM:697.86
D=11.40'
INV:686.46 (8" NW)
INV:686.46 (8" SE)
15' BUILDING SETBACK LINE
EX BIT.
EX GRAVEL
130' - 4" SANITARY SERVICE @ 1.04% MIN
CONNECT TO EXISTING CURB
STOP. FIELD VERIFY EXACT
LOCATION. CURB STOP WAS
NOT LOCATED DURING
SURVEY.
CONNECT TO EXISTING SEWER
PER CITY STANDARDS. FIELD
VERIFY EXACT LOCATIONS
ELEVATIONS, AND SIZES
EX ST MH 2
RIM:699.02
D=9.40'
INV:689.72 (24" NW)
INV:689.62 (24" SE)

LEGEND

- PROPOSED SANITARY SEWER
- EXISTING SANITARY SEWER (SIZE NOTED)
- PROPOSED STORM SEWER
- EXISTING STORM SEWER (SIZE NOTED)
- PROPOSED WATERMAIN
- EXISTING WATERMAIN (SIZE NOTED)

PROPOSED / EXISTING

- FIRE HYDRANT
- WATER VALVE/CURB STOP
- WATER MANHOLE
- REDUCER/INCREASER
- SANITARY MANHOLE
- LIFT STATION
- TRACER WIRE SIGNAL CONNECTION BOX
- CLEANOUT
- STORM MANHOLE
- STORM CATCH BASIN
- STORM INLET
- STORM INLET MANHOLE
- YARD DRAIN
- STANDPIPE
- ROOF DOWNSPOUT
- DISCHARGE STRUCTURE

NOTE

1. A MINIMUM OF 6.5 FEET OF COVER SHALL BE MAINTAINED OVER ALL WATERMAIN.
2. SANITARY SEWER, WATERMAIN AND STORM SEWER SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR SEWER AND WATER CONSTRUCTION IN WISCONSIN AND ADMINISTRATIVE CODE CHAPTERS COMM 81-87.
3. FIELD VERIFY LOCATION OF EXISTING UTILITIES. IF EXISTING LOCATIONS DIFFER FROM WHAT IS INDICATED ON THE PLANS, **CONTACT ENGINEER,** PRIOR TO CONTINUED WORK.
4. ALL SANITARY SEWER, STORM SEWER AND WATER SERVICES / MAINS SHALL BE PROVIDED WITH TRACER WIRE OR OTHER METHOD TO BE LOCATED.
5. EXISTING GAS, ELECTRIC, CABLE TELEVISION AND TELEPHONE TO BE REMOVED AND/OR RELOCATED BY OTHERS. WORK SHALL BE COORDINATED BY GENERAL CONTRACTOR.

NORTH

0' 30' 60'

SCALE IN FEET

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

DRAWN LLP
CHECKED ---
DESIGNED AJB

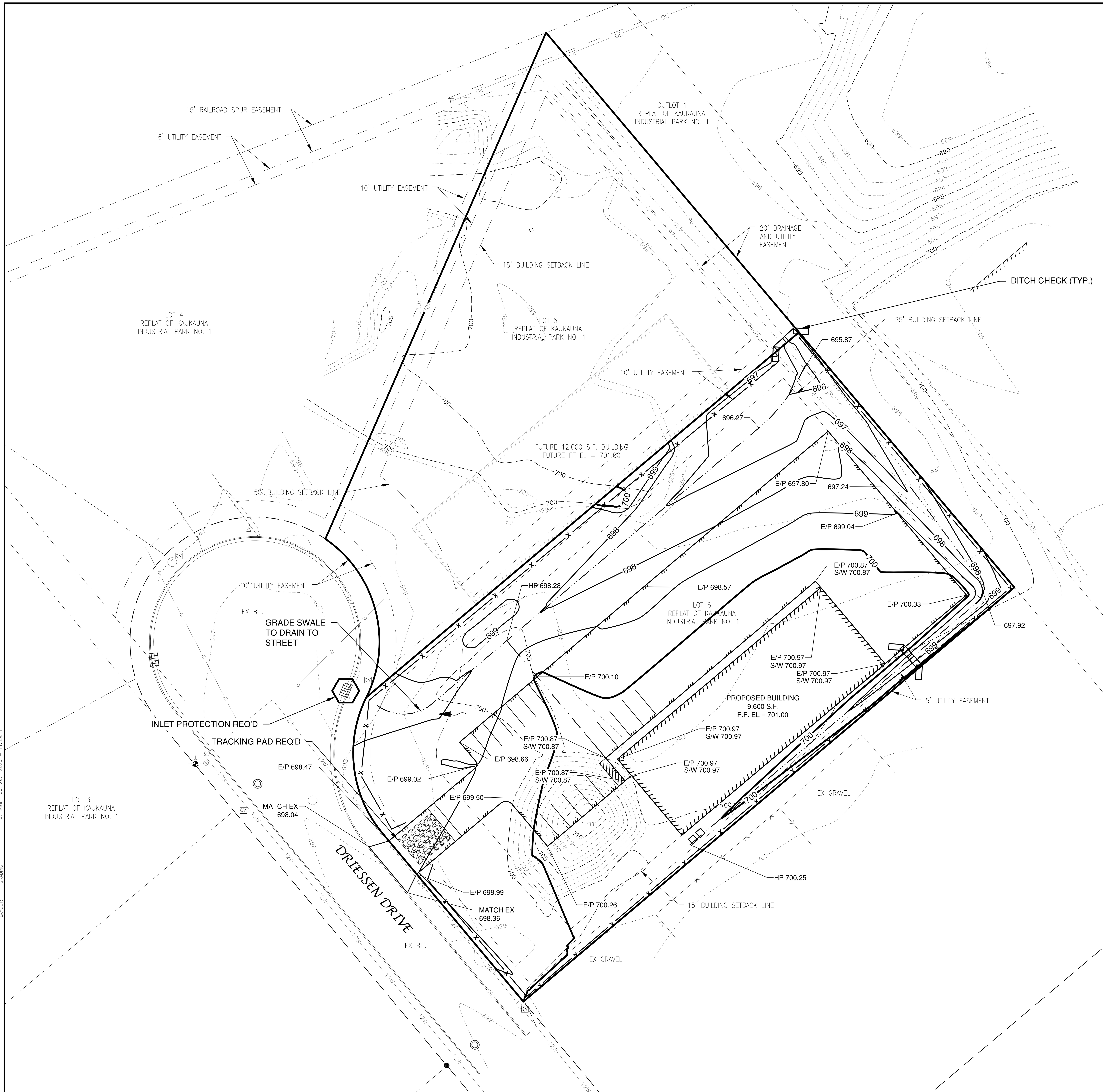
SITE DEVELOPMENT OF ENTERPRISE ELECTRIC
FOR KELLER, INC.
CITY OF KAUKAUNA
OUTAGAMIE COUNTY, WISCONSIN

UTILITY PLAN

DATE 08/2023
FILE 2450031D
JOB NO. 2450031

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

SHEET NO. 4



LEGEND

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
	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)

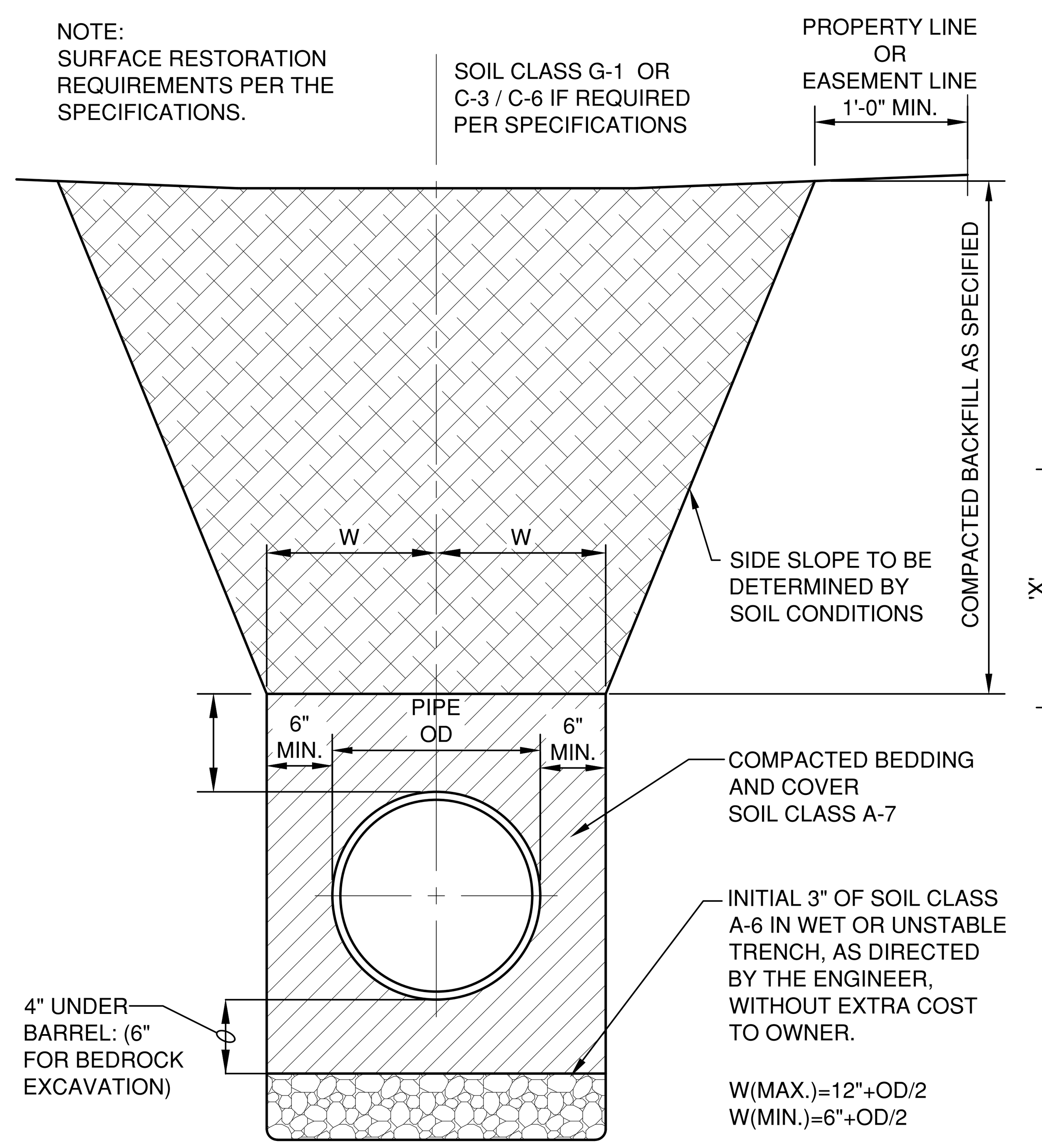
EROSION CONTROL

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.

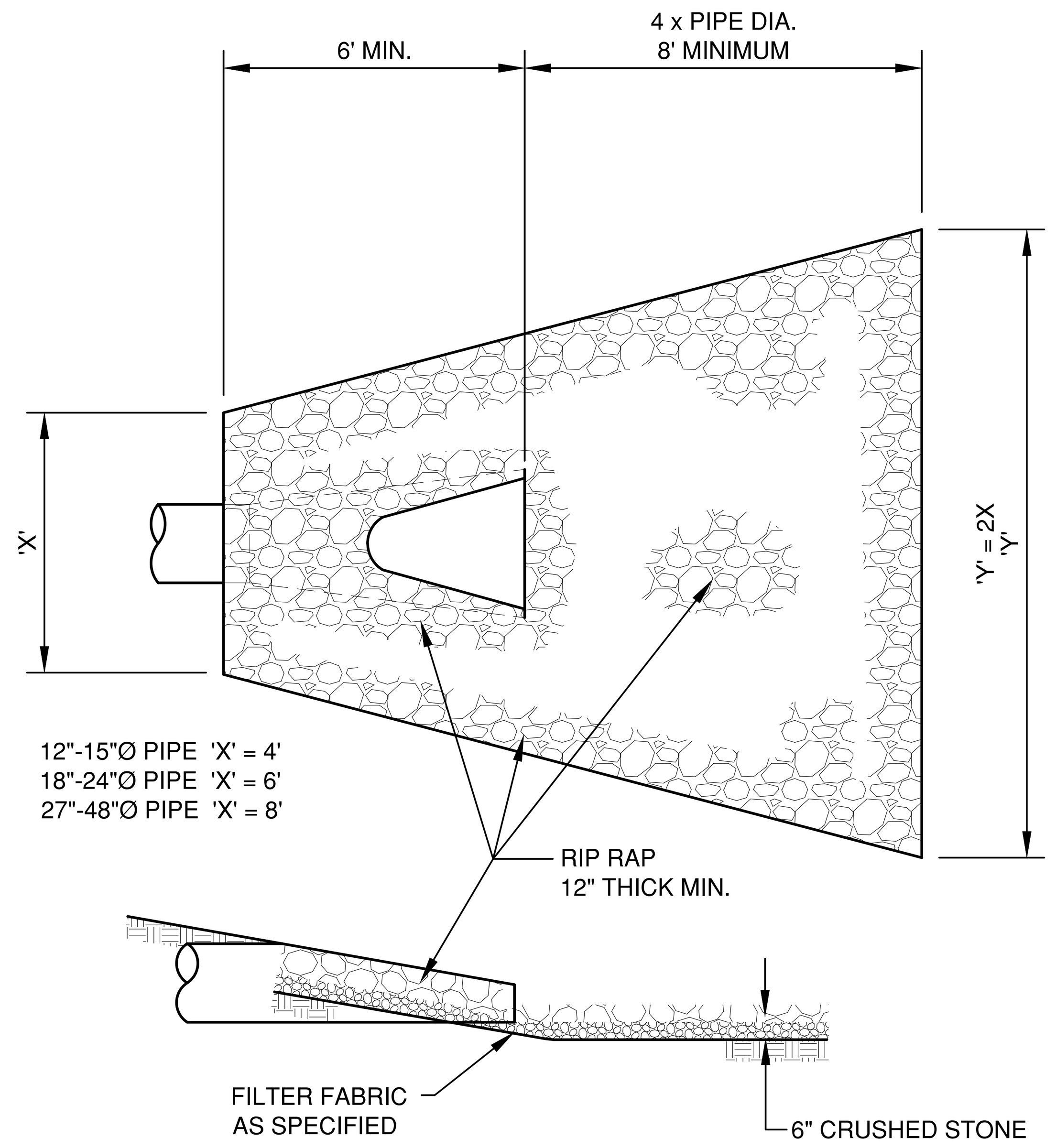
1. SILT FENCE IS REQUIRED DOWNSLOPE OF ANY DISTURBED LAND THAT MAY CARRY SEDIMENTS OFF SITE.
2. A TRACKING PAD IS REQUIRED AT ANY INGRESS/EGRESS LOCATION, WHERE SEDIMENT MAY BE TRACKED OFF-SITE.
3. PROPER INLET PROTECTION SHALL BE USED DEPENDING ON THE INLET TYPE.
4. ALL NECESSARY SITE DEWATERING SHALL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

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

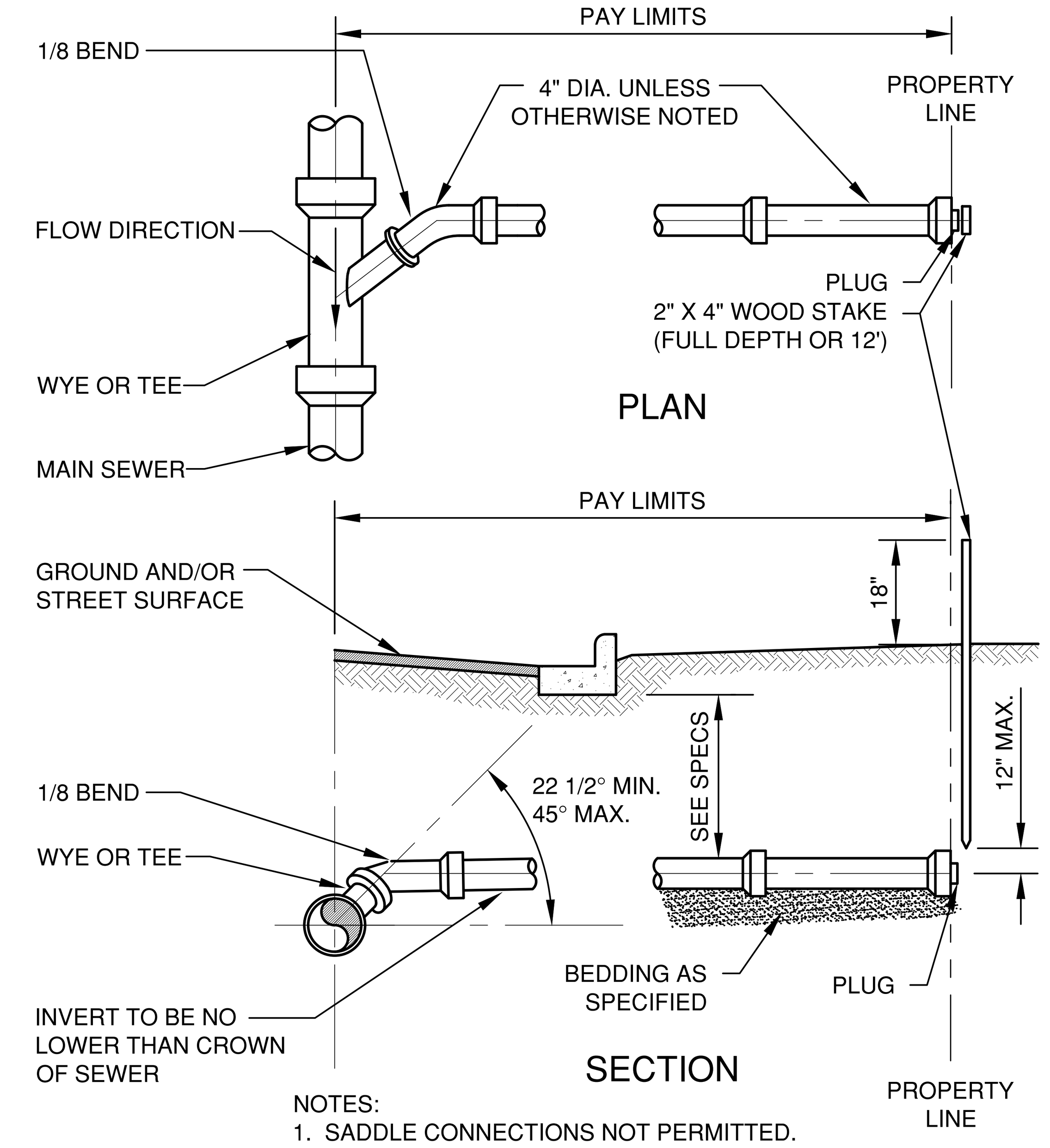
DRAWN LLP	SITE DEVELOPMENT OF ENTERPRISE ELECTRIC FOR KELLER, INC. CITY OF KAUKAUNA OUTAGAMIE COUNTY, WISCONSIN	GRADING AND EROSION CONTROL PLAN	DATE 08/2023	Robert E. Lee & Associates, Inc. 1250 Centennial Centre Blvd | Hobart, WI | 920-662-9641 | releeinc.com	SHEET NO. 5
CHECKED ----			FILE 2450031D		
DESIGNED AJB			JOB NO. 2450031		



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

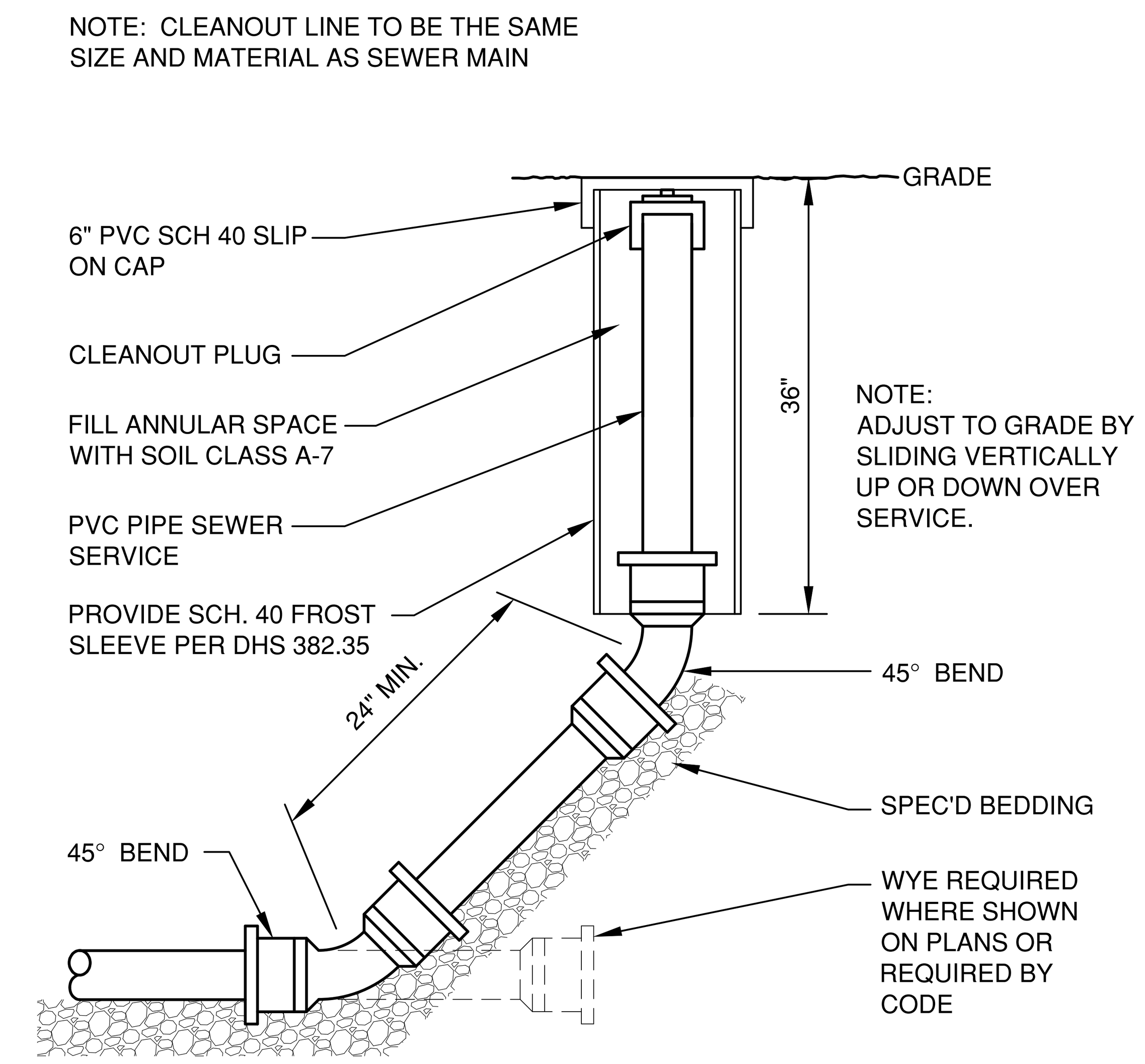


ENDWALL RIP RAP DETAIL

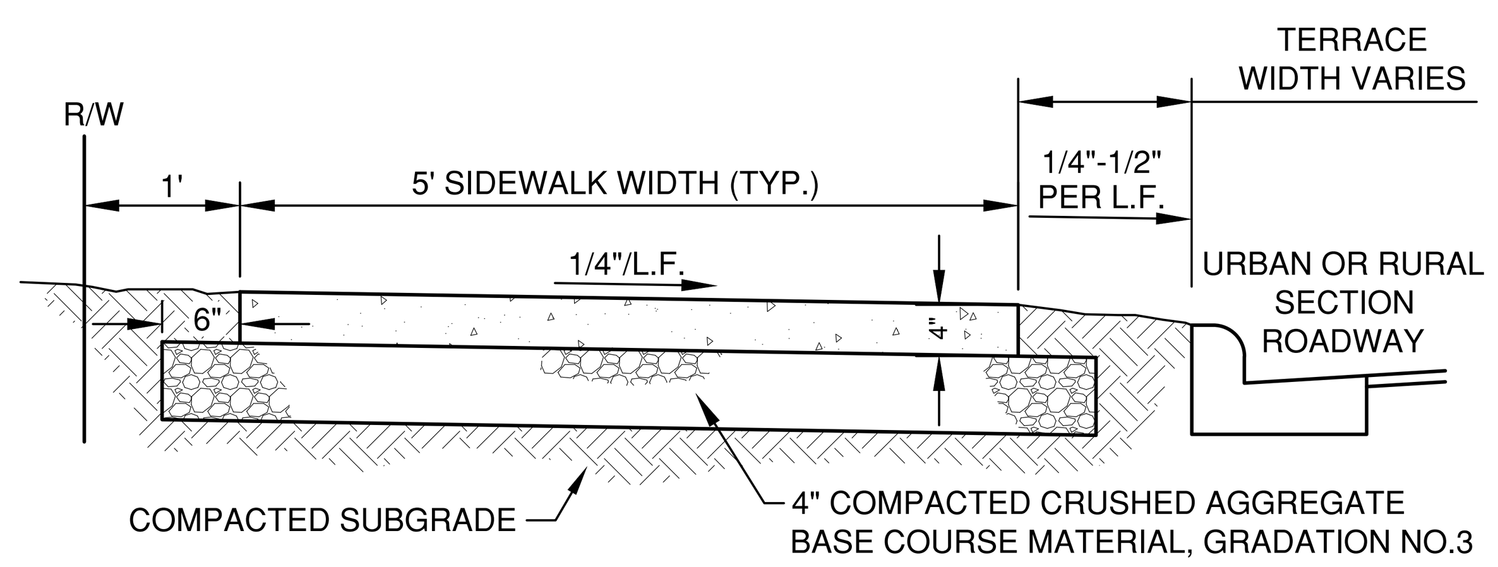


NOTES:
1. SADDLE CONNECTIONS NOT PERMITTED.
2. BACKFILL TO CONFORM TO MAIN SEWER.
3. MINIMUM SLOPE: 1/8 INCH PER FOOT.
4. MAXIMUM SLOPE: 1/2 INCH PER FOOT.

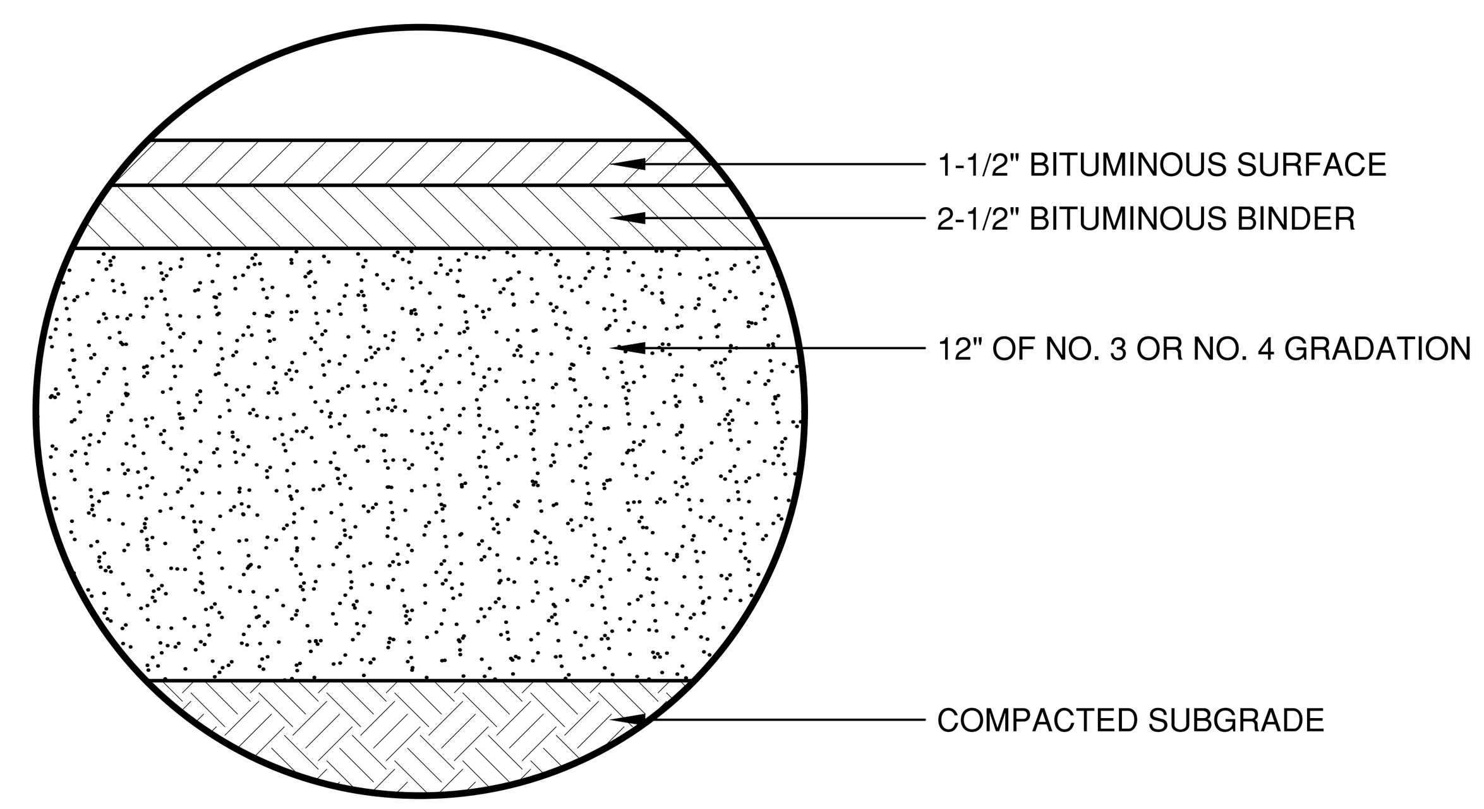
STANDARD SERVICE LATERAL



CLEAN-OUT DETAIL (NON-TRAVELED AREAS)

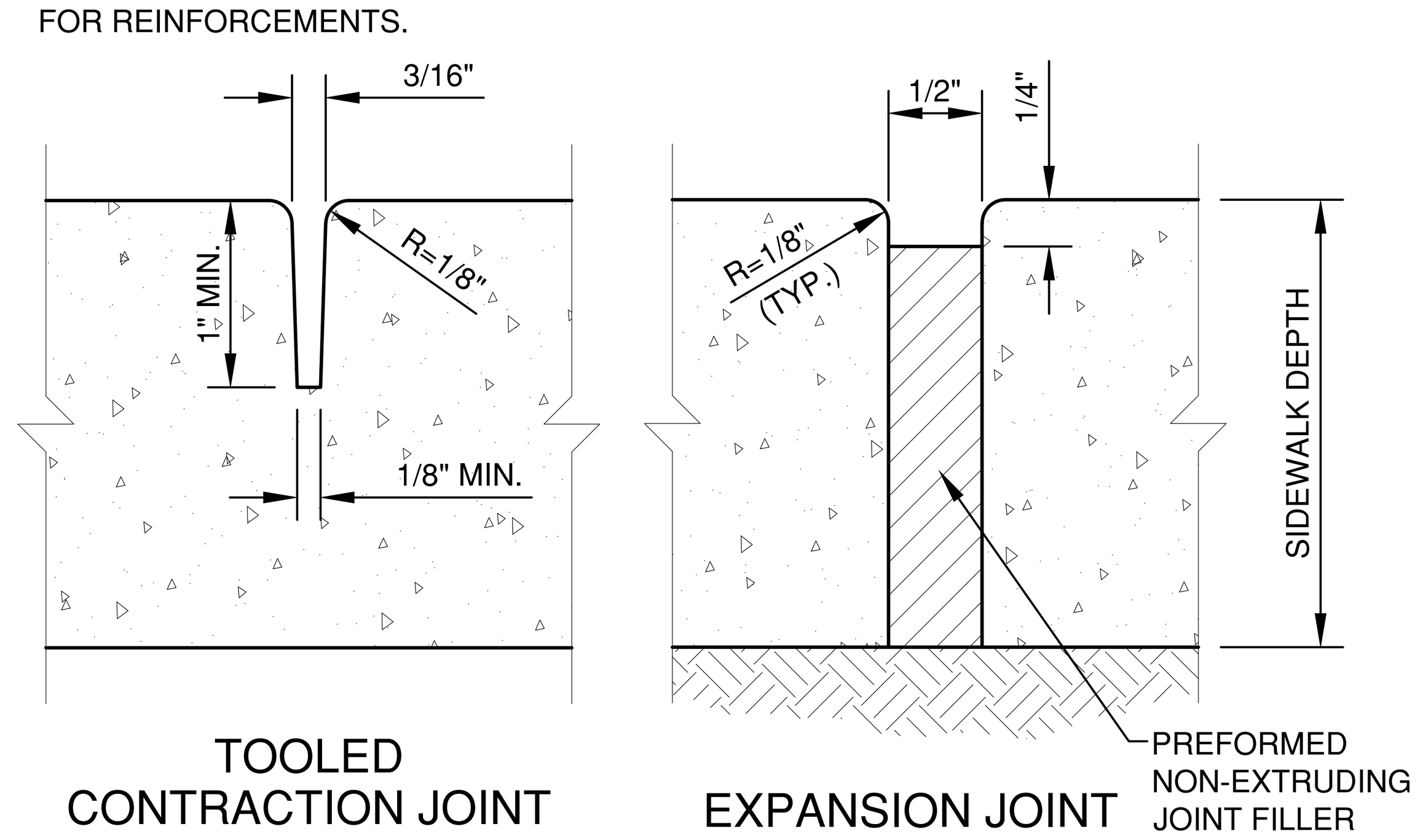


TYPICAL SECTION



ASPHALT PAVEMENT

NOTE:
REFER TO SPECIFICATIONS FOR REINFORCEMENTS.

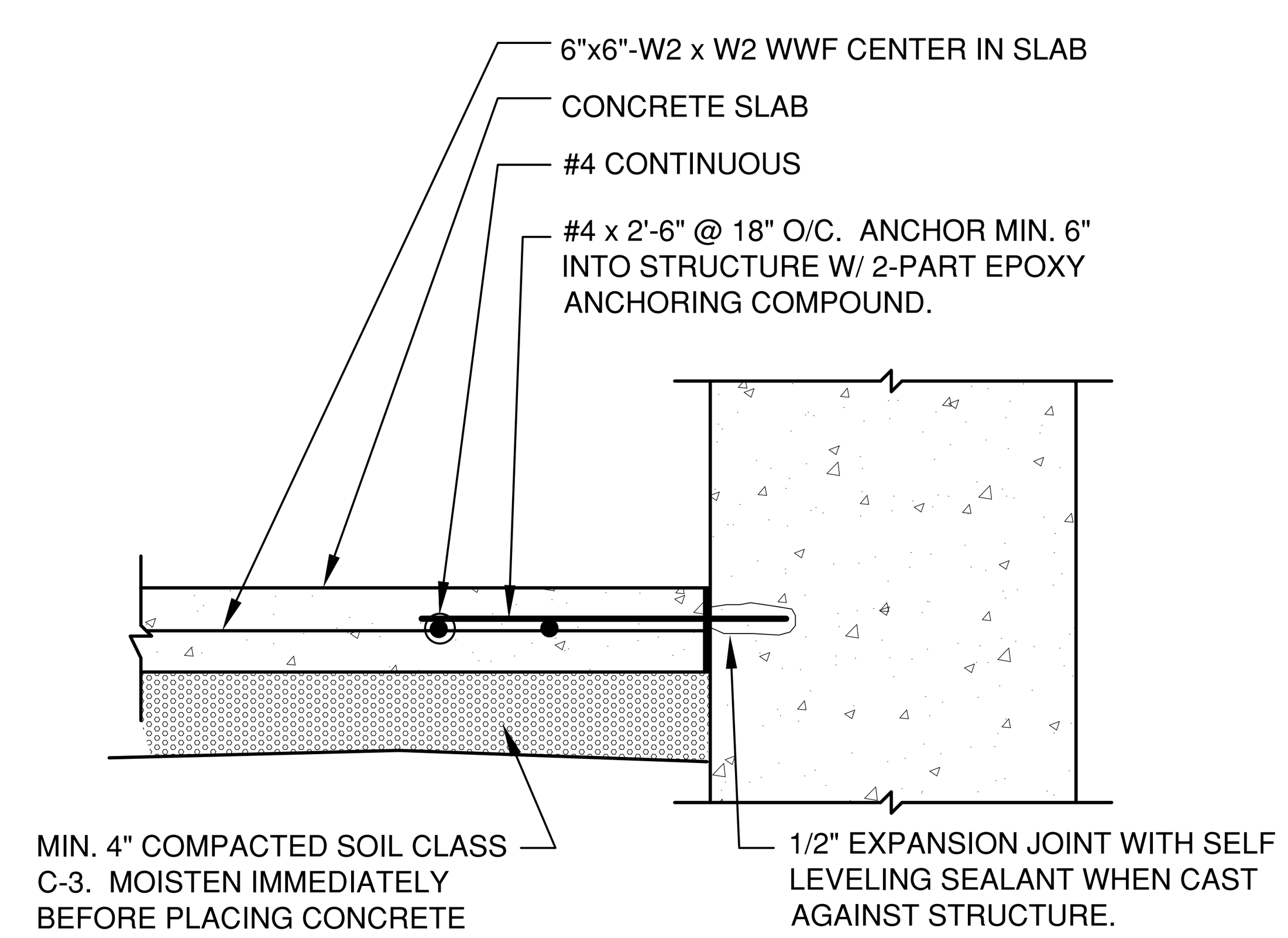


TOOLED CONTRACTION JOINT

EXPANSION JOINT

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

SIDEWALK DETAIL



TYPICAL SIDEWALK ADJACENT TO STRUCTURE

NO.	DATE	APPROV.	REVISION	NO.	DATE	APPROV.	REVISION	DRAWN KDC / CHECKED --- / DESIGNED AJB

SITE DEVELOPMENT OF ENTERPRISE ELECTRIC FOR KELLER, INC.
CITY OF KAUKAUNA
OUTAGAMIE COUNTY, WISCONSIN

MISCELLANEOUS DETAILS

DATE 08/2023
FILE 2450031DET
JOB NO. 2450031

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

SHEET NO. 6

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"

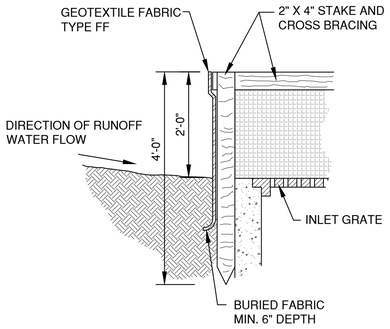
DO NOT INSTALL INLET PROTECTION TYPE D IN INLETS SHALLOWER THAN 30" MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE.

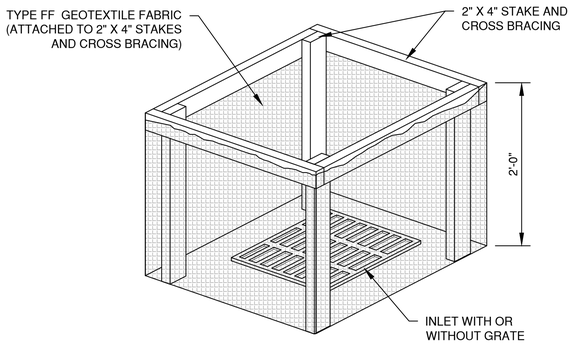
TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

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.

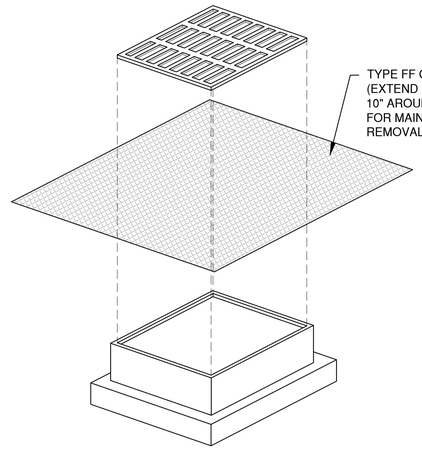
NOTES:

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.

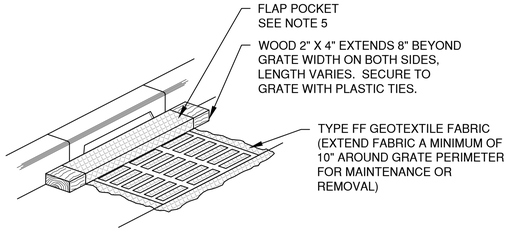




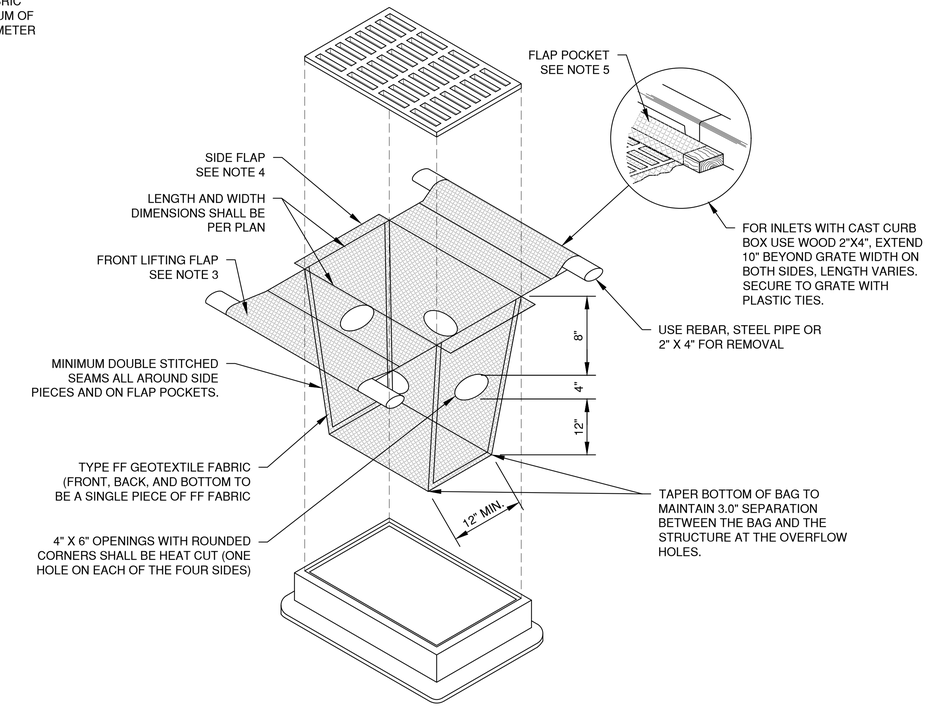
INLET PROTECTION, TYPE A



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)

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

DRAWN KDC
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DESIGNED AJB

SITE DEVELOPMENT OF ENTERPRISE ELECTRIC
FOR KELLER, INC.
CITY OF KAUKAUNA
OUTAGAMIE COUNTY, WISCONSIN

EROSION CONTROL
INLET PROTECTION TYPES A, B, C AND D

DATE 08/2023
FILE 2450031EC
JOB NO. 2450031

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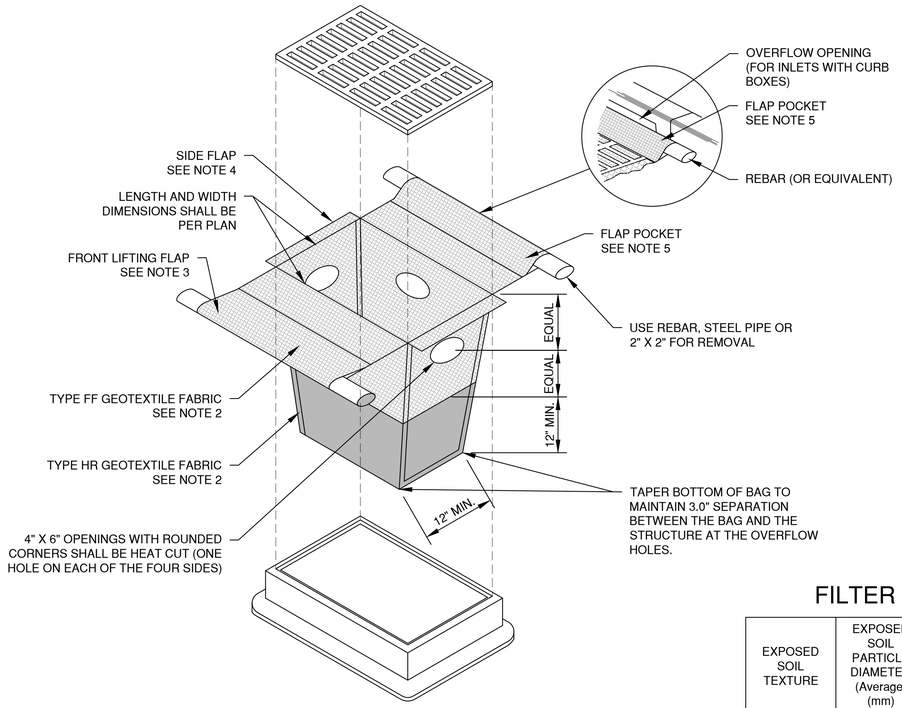
SHEET NO. 7

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.

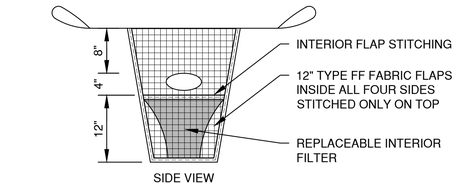


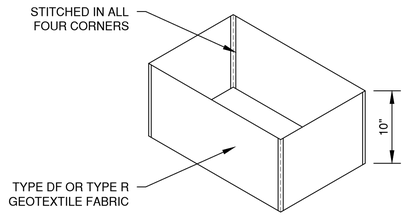
INLET PROTECTION, TYPE D-HR

(CAN BE INSTALLED IN INLETS WITH OR WITHOUT CURB BOXES)

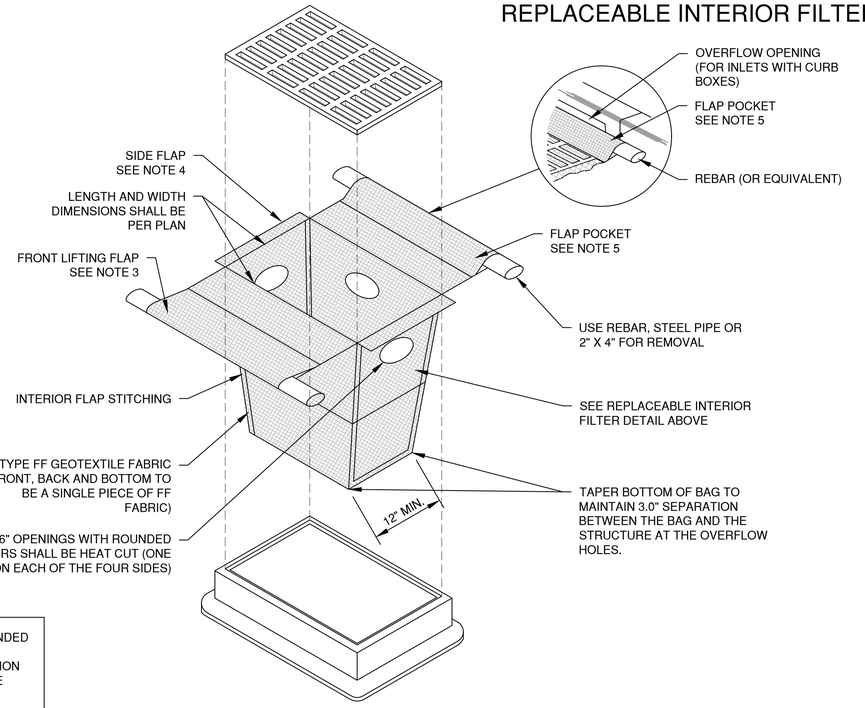
NOTES:

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)

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: C:\WisDOT\Sma\Temp\AcPublish_15248\2450031EC.dwg
Plot Date: Aug 24, 2023 - 8:45am
LAYOUT: 2 INLET PROTECTION

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

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SITE DEVELOPMENT OF ENTERPRISE ELECTRIC
FOR KELLER, INC.
CITY OF KAUKAUNA
OUTAGAMIE COUNTY, WISCONSIN

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

DATE 08/2023
FILE 2450031EC
JOB NO. 2450031

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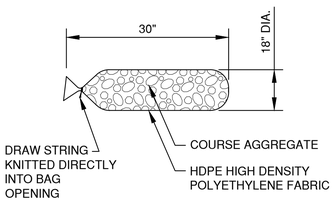
SHEET NO. 8



FILTER BAG DETAIL

NOTES:

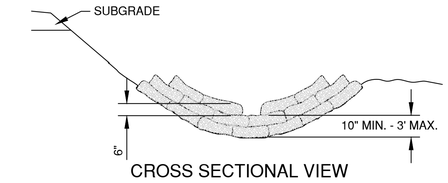
1. 18" X 30" ROCK FILLED FILTER BAG SHALL BE COMPRISED OF THE FOLLOWING:

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

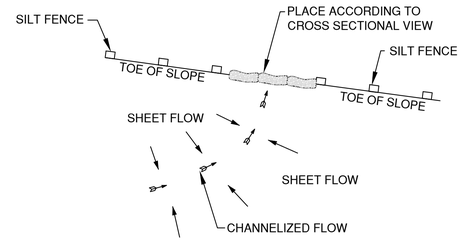
2. USE WELL GRADED COURSE AGGREGATE CONFORMING TO THE FOLLOWING GRADATION REQUIREMENTS

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

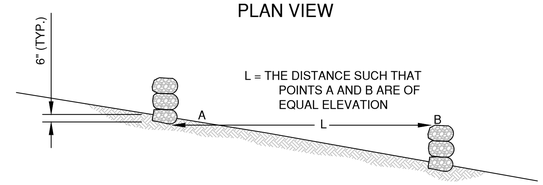
(1) SIZE No. ACCORDING TO AASHTO M 43



CROSS SECTIONAL VIEW



PLAN VIEW



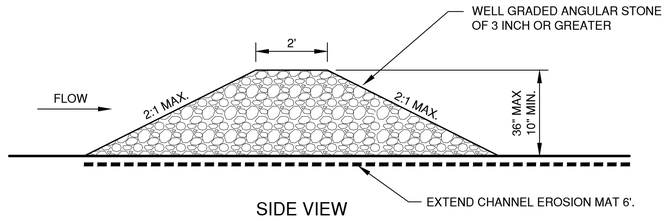
SIDE VIEW

DITCH CHECK DETAIL

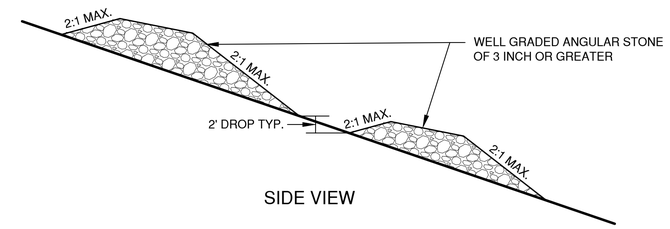
ROCK FILLED EROSION CONTROL BAGS TYPE B

DITCH CHECK GENERAL NOTES:

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



SIDE VIEW



SIDE VIEW

TEMPORARY DITCH CHECK USING STONE TYPE C

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

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SITE DEVELOPMENT OF ENTERPRISE ELECTRIC
FOR KELLER, INC.
CITY OF KAUKAUNA
OUTAGAMIE COUNTY, WISCONSIN

EROSION CONTROL
DITCH CHECK DETAILS

DATE 08/2023
FILE 2450031EC
JOB NO. 2450031

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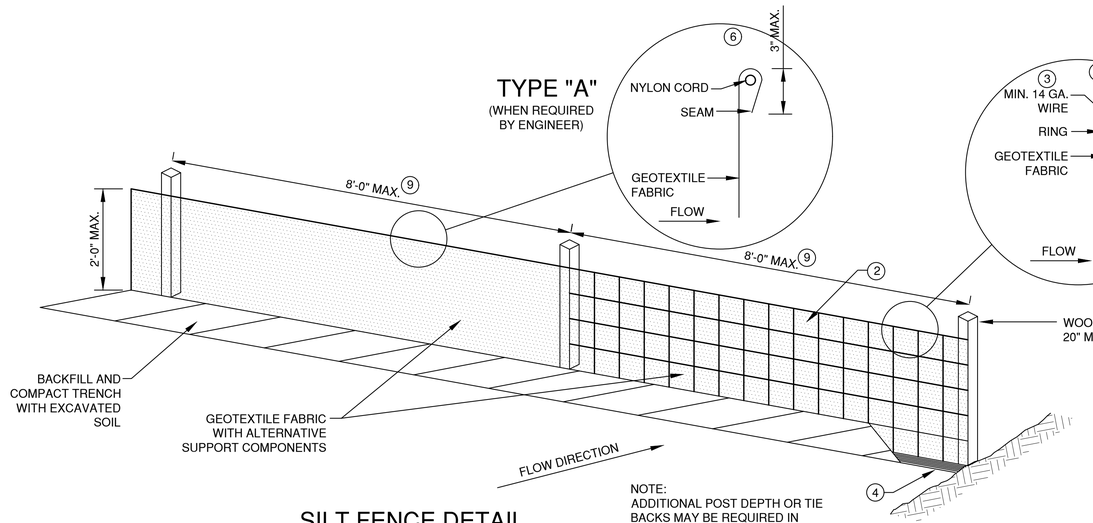
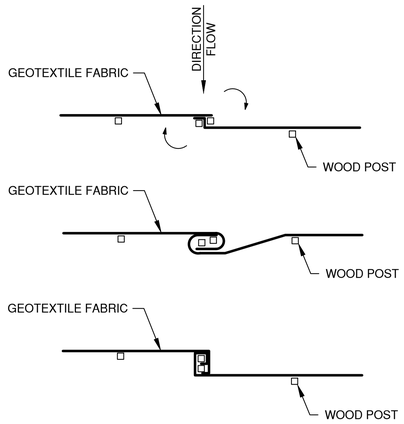
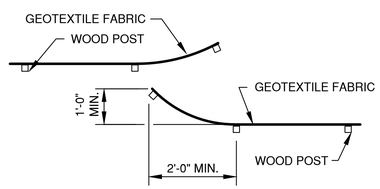
SHEET NO. 9



SILT FENCE DETAIL

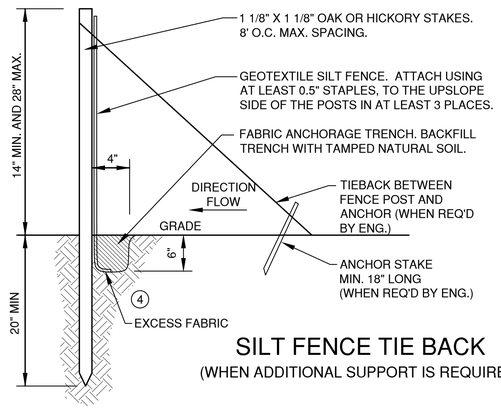


TWIST METHOD 8



HOOK METHOD 8

JOINING TWO LENGTHS OF SILT FENCE



SILT FENCE TIE BACK

(WHEN ADDITIONAL SUPPORT IS REQUIRED)

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)

   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.
7. 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.
8. THE MAXIMUM SPACING OF POSTS FOR WOVEN FABRIC SILT FENCE SHALL BE 8 FEET AND FOR NON-WOVEN FABRIC, 3 FEET.

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 SEEDED 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.

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

DRAWN KDC
CHECKED ----
DESIGNED AJB

SITE DEVELOPMENT OF ENTERPRISE ELECTRIC
FOR KELLER, INC.
CITY OF KAUKAUNA
OUTAGAMIE COUNTY, WISCONSIN

EROSION CONTROL
SHEET FLOW DETAILS

DATE 08/2023
FILE 2450031EC
JOB NO. 2450031

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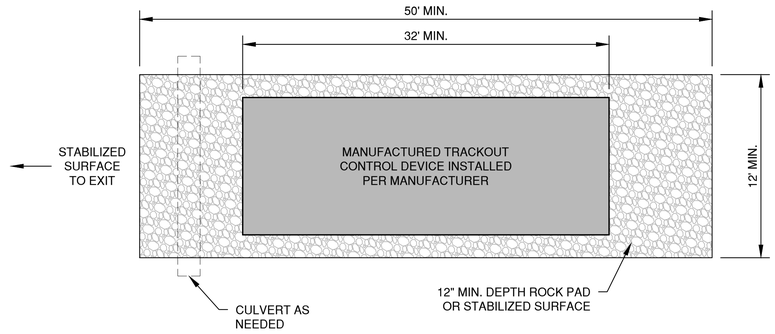
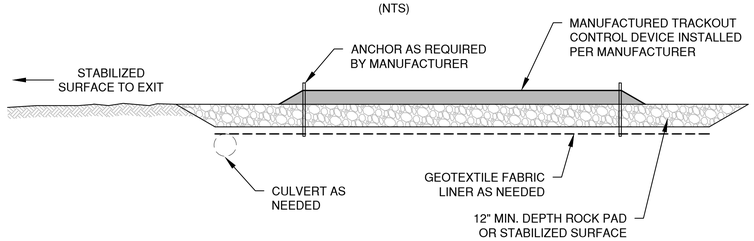
SHEET NO. 10

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



PLAN VIEW
(NTS)

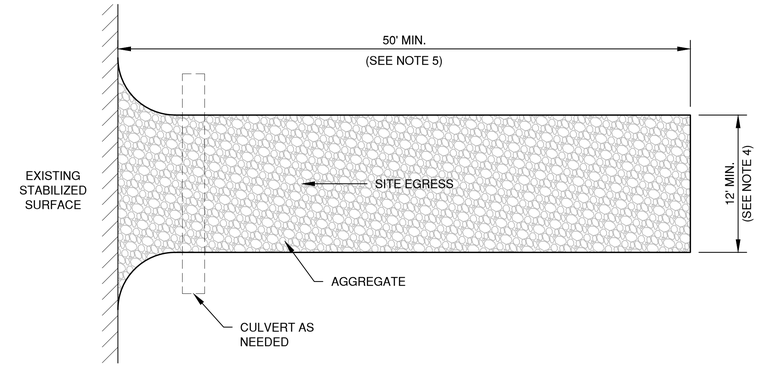


SECTION VIEW

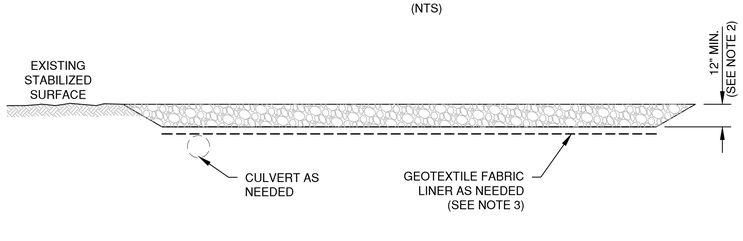
NOTES:

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



PLAN VIEW
(NTS)



SECTION VIEW

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

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SITE DEVELOPMENT OF ENTERPRISE ELECTRIC
FOR KELLER, INC.
CITY OF KAUKAUNA
OUTAGAMIE COUNTY, WISCONSIN

EROSION CONTROL
TRACKOUT CONTROL PRACTICES

DATE 08/2023
FILE 2450031EC
JOB NO. 2450031

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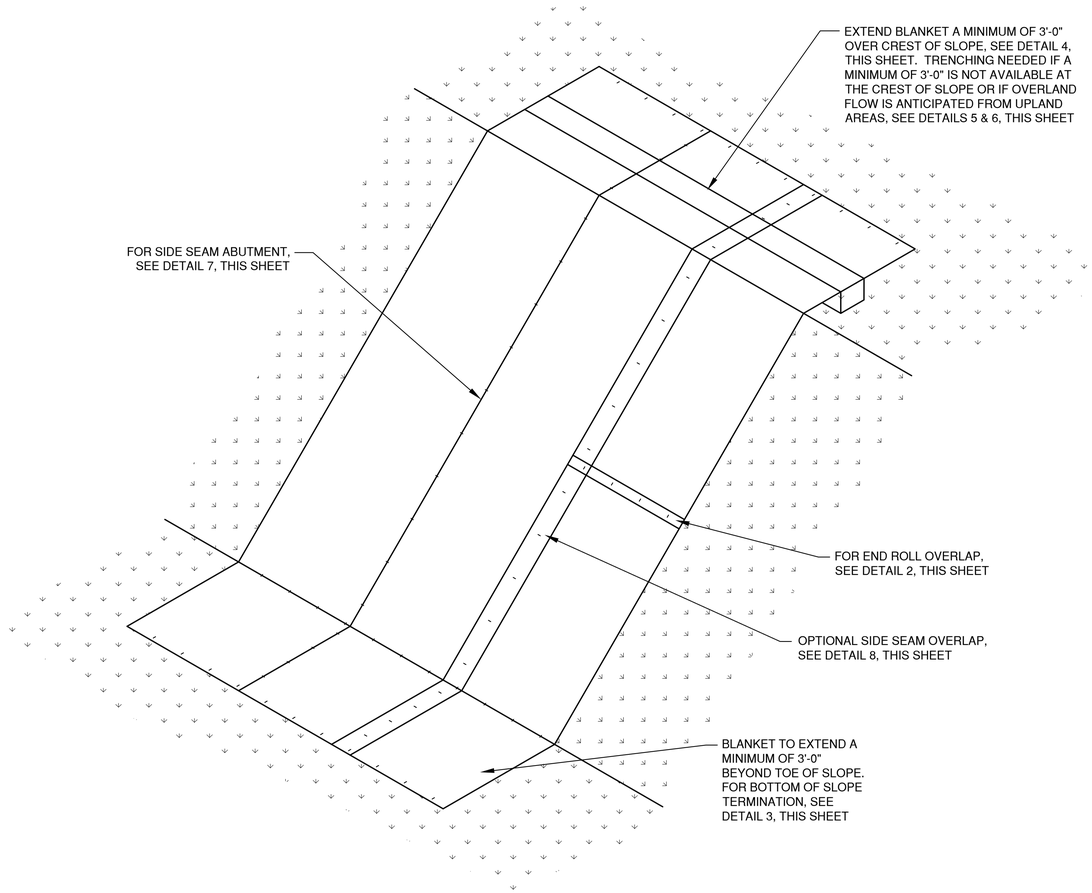
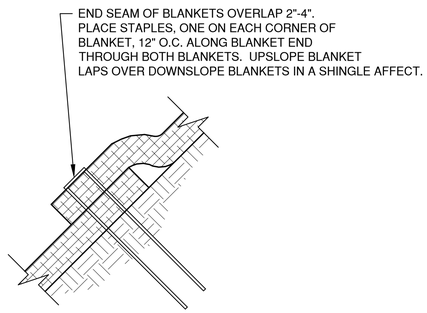
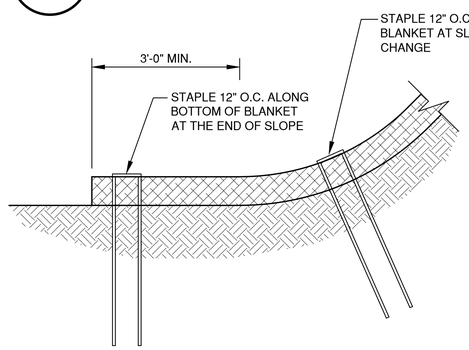
SHEET NO. 11



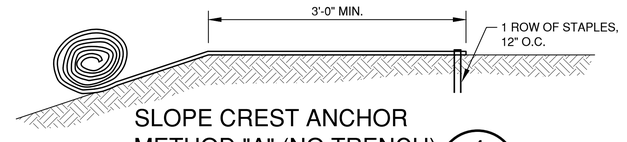
SLOPE DETAIL 1 XX



END ROLL OVERLAP 2 XX

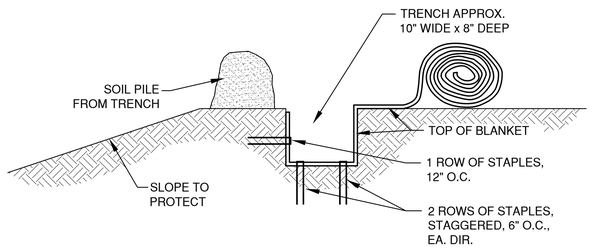


BOTTOM OF SLOPE TERMINATION 3 XX

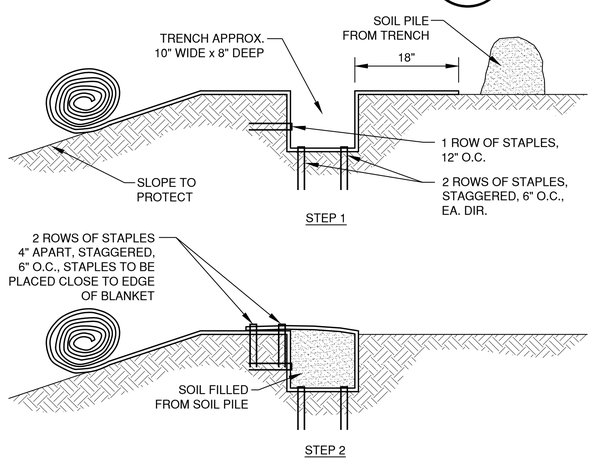


SLOPE CREST ANCHOR METHOD "A" (NO TRENCH) 4 XX

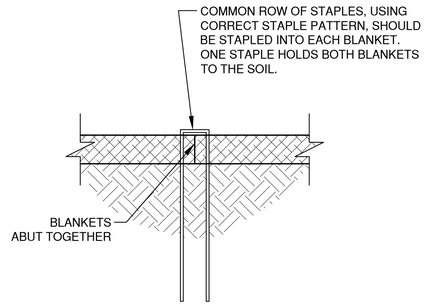
DO NOT NEED TO TRENCH BLANKET IN IF IT CAN BE EXTENDED A MINIMUM OF 3'-0" OVER THE CREST OF THE SLOPE.



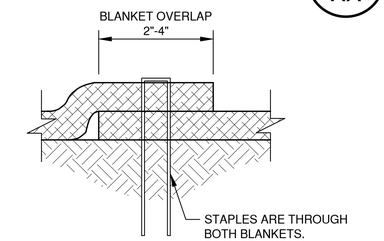
SLOPE TRENCHING METHOD "B" 5 XX



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: C:\Win80T\Shrd\Temp\AcPublish_12\6R\2450031EC.dwg
Print Date: Aug 24, 2023 - 9:45am
LAYOUT: 6 SLOPE MAT

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

DRAWN KDC
CHECKED ----
DESIGNED AJB

SITE DEVELOPMENT OF ENTERPRISE ELECTRIC
FOR KELLER, INC.
CITY OF KAUKAUNA
OUTAGAMIE COUNTY, WISCONSIN

EROSION CONTROL
EROSION MAT
SLOPE APPLICATION DETAILS

DATE 08/2023
FILE 2450031EC
JOB NO. 2450031

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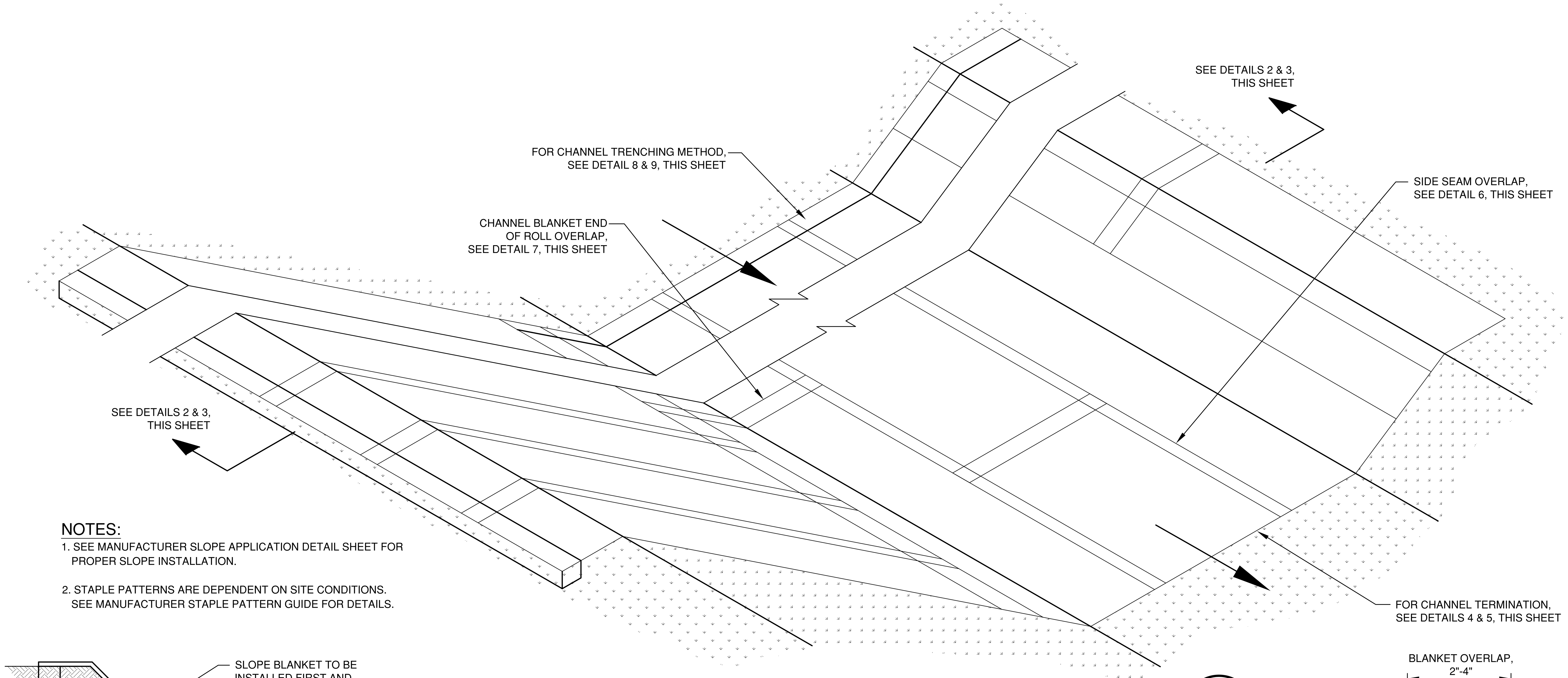
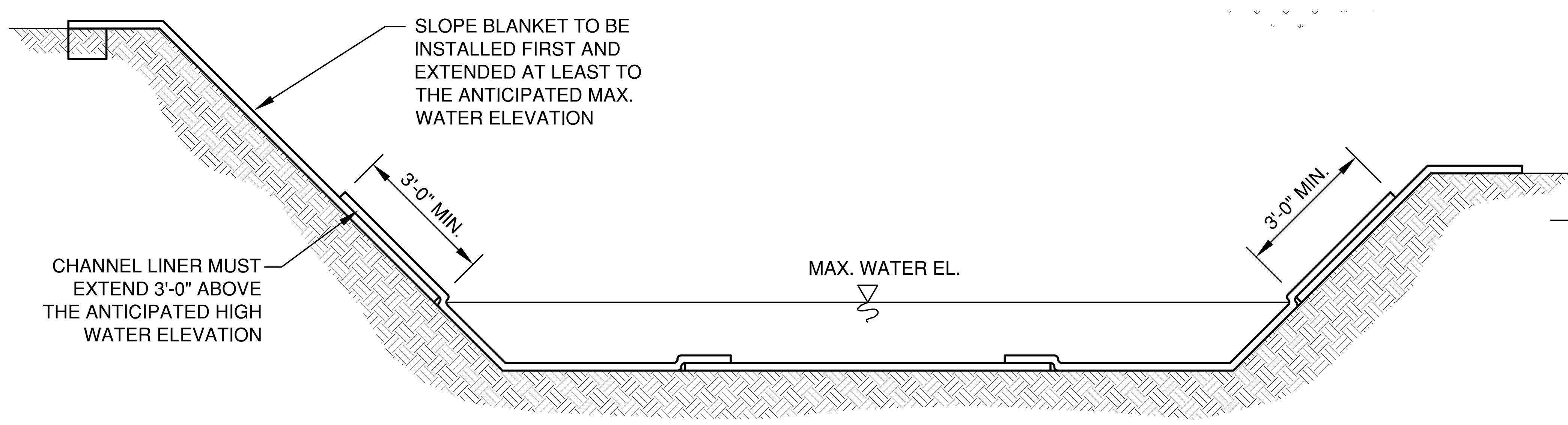
SHEET NO. 12



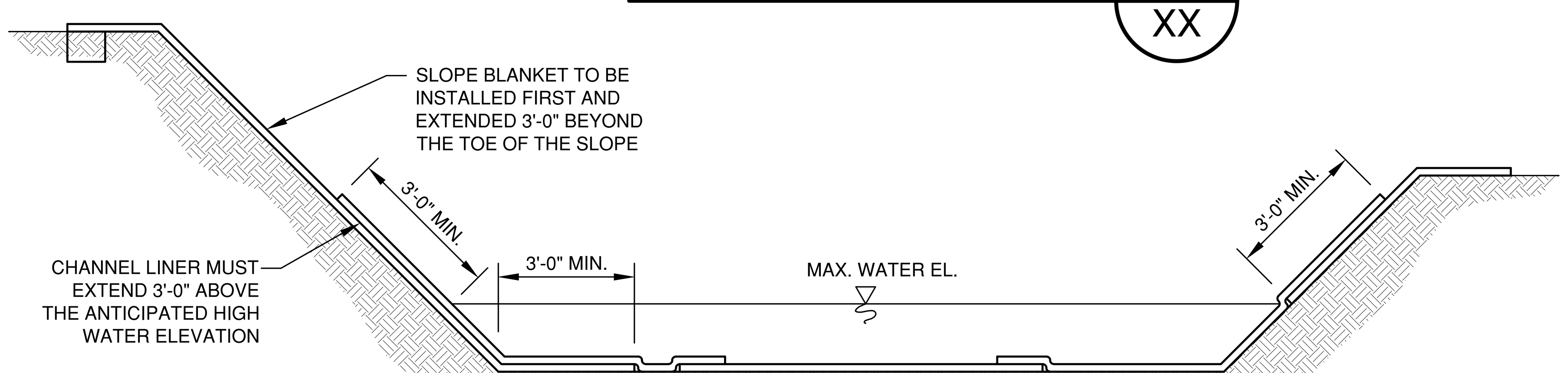
NOTES:

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

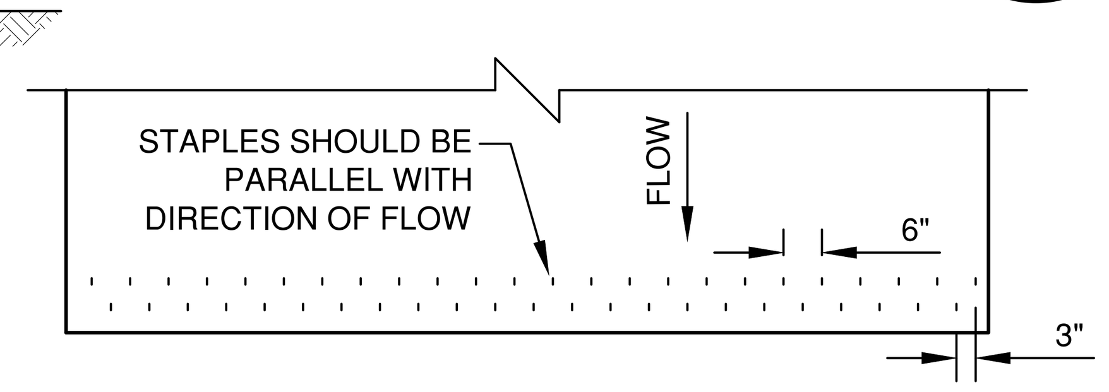
CHANNEL DETAIL 1/XX



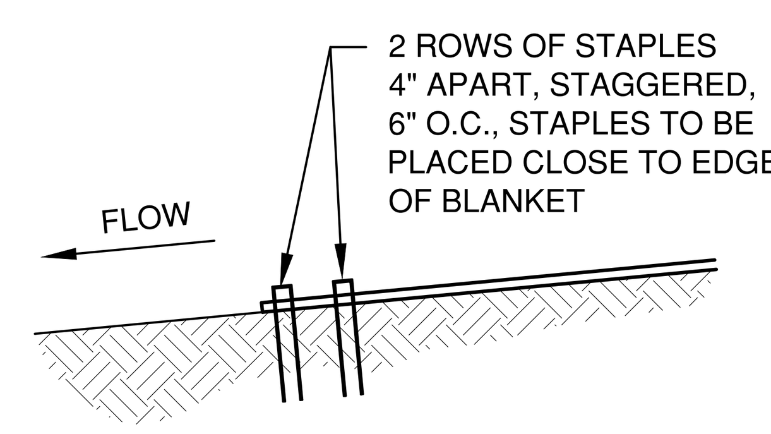
CHANNEL INSTALLATION METHOD "A" 2/XX



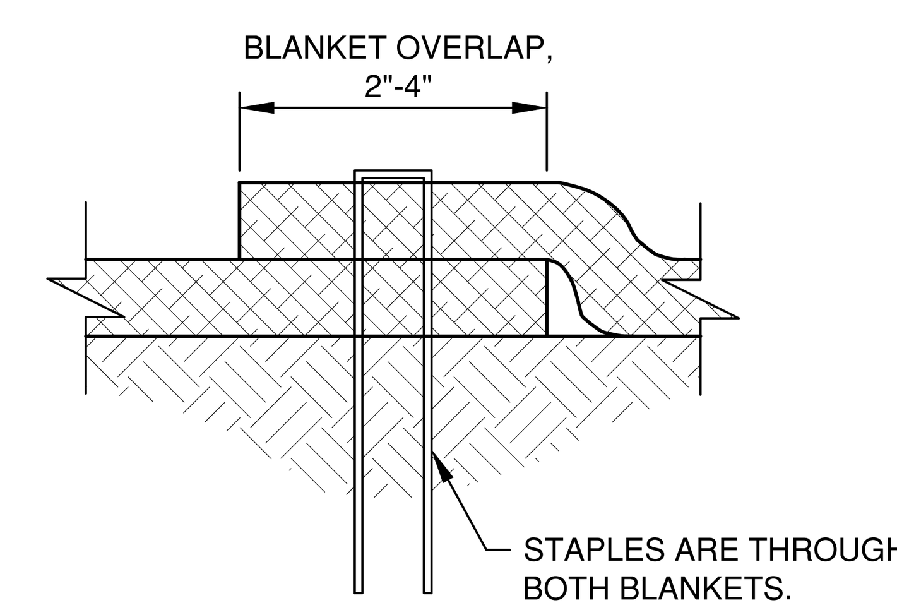
CHANNEL INSTALLATION METHOD "B" 3/XX



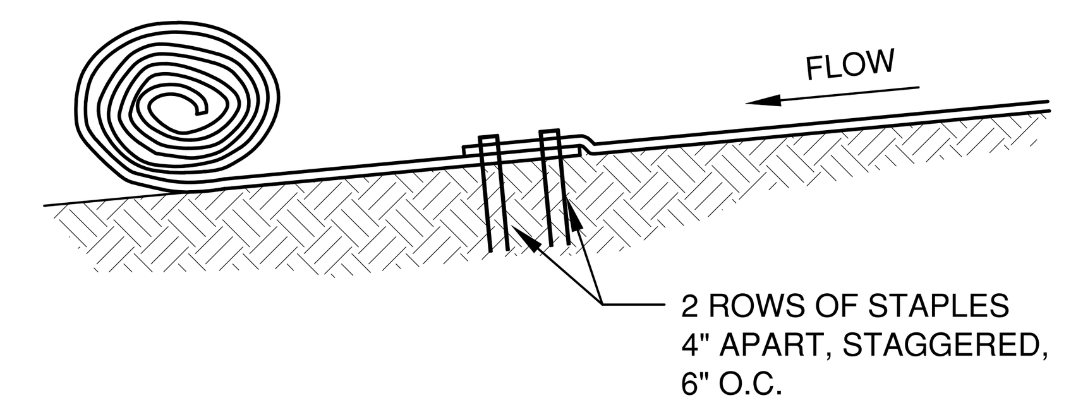
CHANNEL TERMINATION PLAN 4/XX



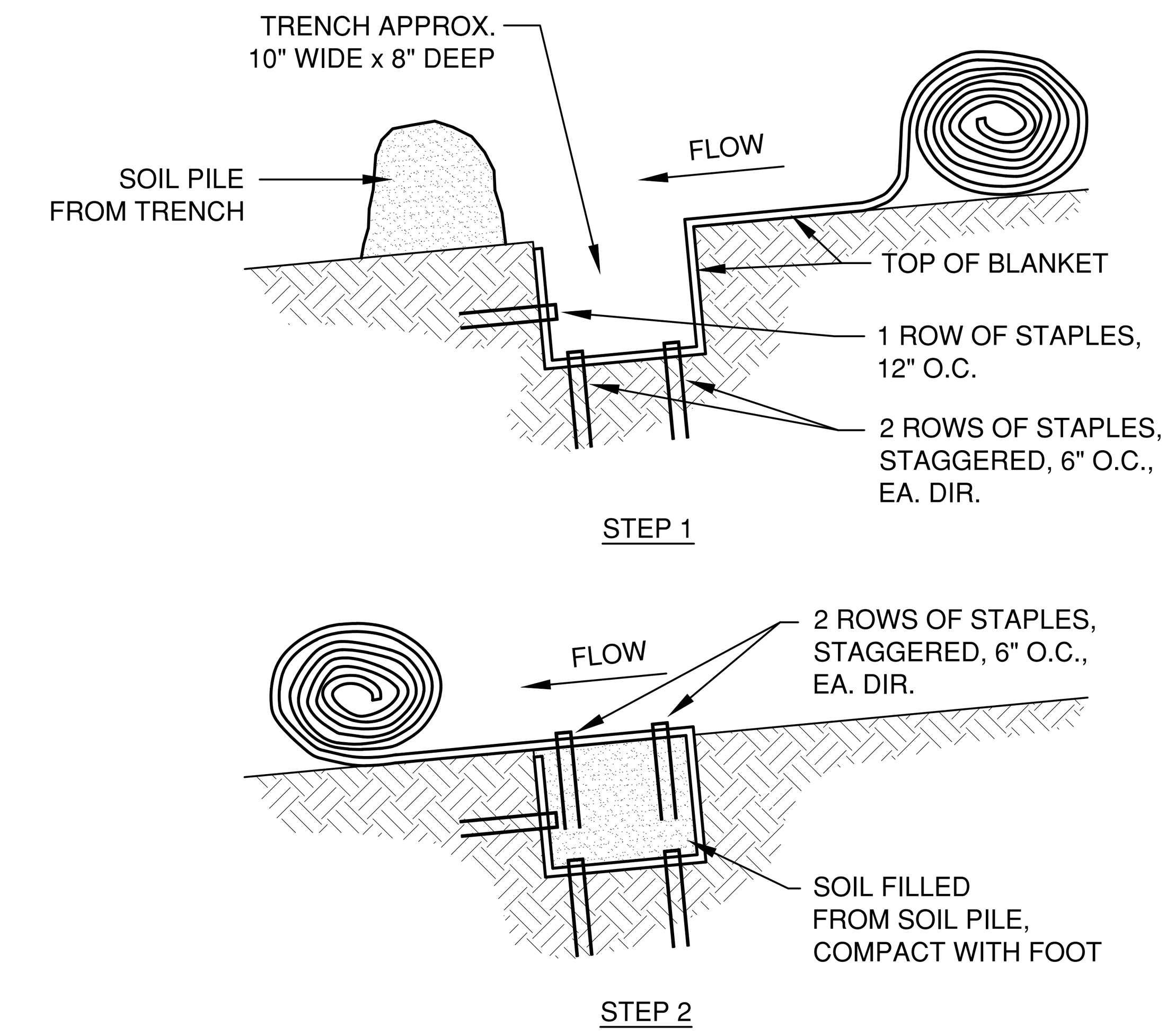
CHANNEL TERMINATION 5/XX



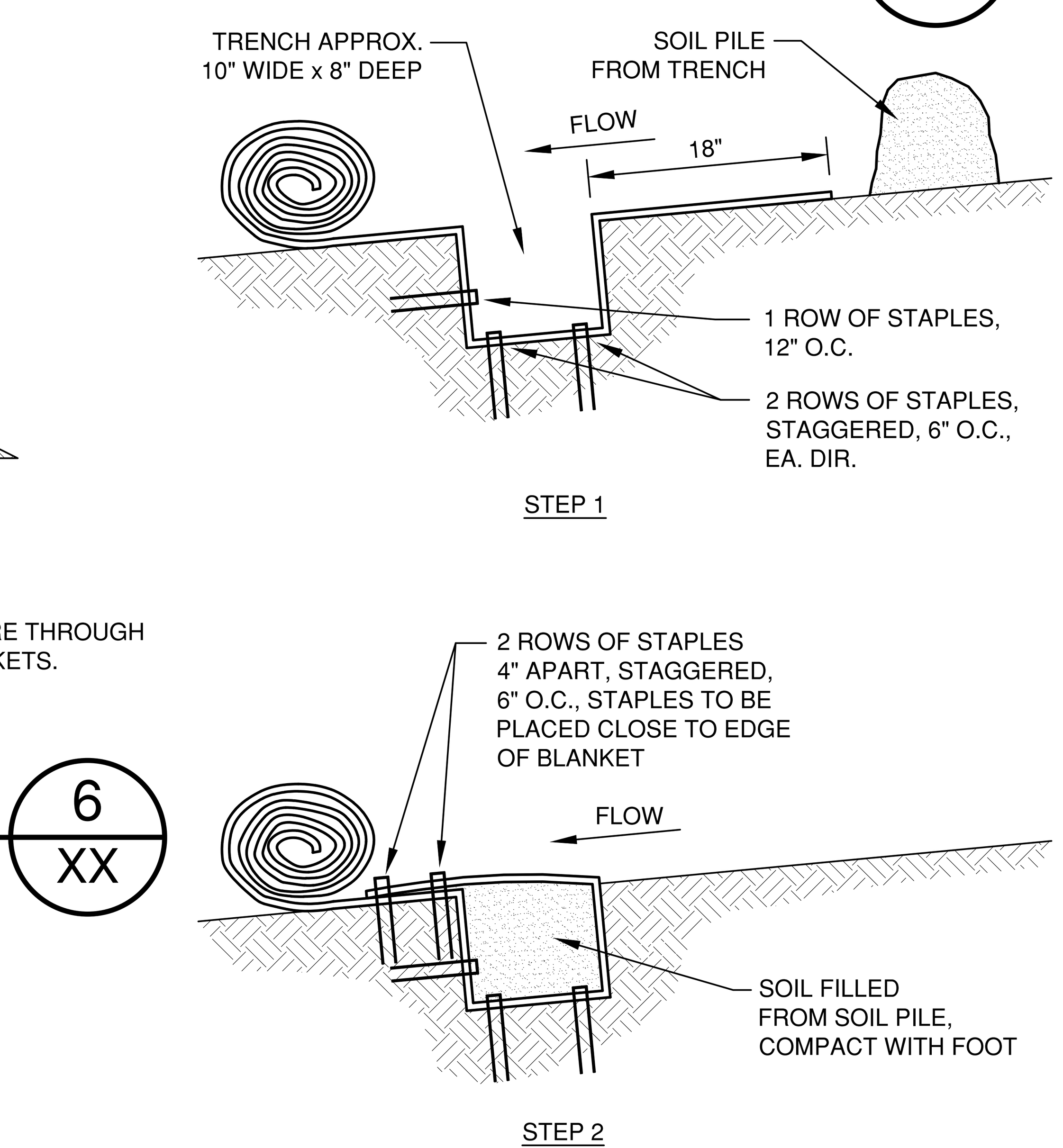
SIDE SEAM OVERLAP STAPLE DETAIL 6/XX



CHANNEL BLANKET END OF ROLL OVERLAP 7/XX



CHANNEL TRENCHING METHOD "A" 8/XX



CHANNEL TRENCHING METHOD "B" 9/XX

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

DRAWN KDC | CHECKED ---- | DESIGNED AJB

SITE DEVELOPMENT OF ENTERPRISE ELECTRIC FOR KELLER, INC.
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SHEET NO. 13