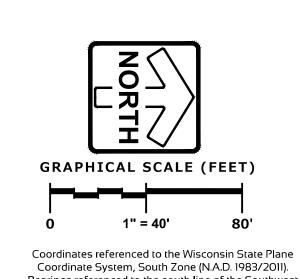
COUNTY, WISCONSIN



Bearings referenced to the south line of the Southwest 1/4 of Section 27, Township 7 North, Range 19 East which has a bearing of N88°23'00"E.

LEGEND OF SYMBOLS & ABBREVIATIONS

S	SANITARY MANHOLE	Æ	FIBER OPTIC MARKER	-	SIGN
D	STORM MANHOLE	(Ē)	FIBER OPTIC MANHOLE/VAULT	M	MAIL BOX
	STORM INLET	T	TELEPHONE PEDESTAL	β	FLAG POLE
0	CLEANOUT	T	TELEPHONE MANHOLE/VAULT	Ô	BASKETBALL HOOP
C	CATCH BASIN	\triangle	TELEPHONE MARKER	•	BOLLARD
Z	LATERAL	TF	TRANSFORMER	X	CROSS CUT
?	UNKNOWN MANHOLE	E	ELECTRIC METER/PEDESTAL	0	IRON PIPE
®	WELL	(E)	ELECTRIC MANHOLE/VAULT	•	IRON REBAR/ROD
)	HYDRANT	C	CABLE TV RISER/BOX CABLE	•	MAG NAIL
×	WATER VALVE	©	TV MANHOLE/VAULT		SECTION MONUMENT
\mathbb{D}	DOWN SPOUT	©	GAS VALVE	�	BENCH MARK
∄	SPRINKLER VALVE	G	GAS METER	**	CONIFER TREE
Š	WATER SHUT OFF	A	GAS MARKER	0	DECIDUOUS TREE
<u>&</u>	STANDPIPE	A	AIR CONDITIONING UNIT	(BUSH
8	WATER MANHOLE	•	VENT	<u> </u>	WETLAND SYMBOL
€	FLOOD LIGHT	→	DIRECTIONAL ARROW	CL.	=CENTERLINE
‡	LIGHT POLE		DUMPSTER	CONC.	=CONCRETE
8	TRAFFIC SIGNAL POLE	Ġ.	HANDICAP STALL	EL.	=ELEVATION
) —	UTILITY POLE	+	SPOT ELEVATION	EXT.	=EXISTING
)	GUY WIRE	®	FENCE POST	INV.	=INVERT
			SANITARY SEWER	MON.	=MONUMENT
			STORM SEWER	P.O.B.	=POINT OF BEGINNING
	w w		WATER MAIN	P.O.C.	=POINT OF COMMENCEMENT
	F0F0		FIBER OPTIC LINE	R.O.W	=RIGHT OF WAY
	ттт	_	TELEPHONE LINE	SEC.	=SECTION
	EE	_	ELECTRIC LINE	SQ. FT.	=SQUARE FEET
	—— ОНЖ —— ОНЖ —		OVERHEAD WIRES	W/	=WITH
	CATVCATV	<u>—</u>	CABLE TELEVISION	(R)	=RECORDED AS
	GG	_	GAS MAIN	(D)	=DEEDED AS
	WET	<u>—</u>	WETLANDS		
	www	\cup	TREE LINE		

DEVELOPER

Bedford Development Attn: Ryan Bedford 1800 Dolphin Drive, Suite 100 Waukesha, WI 53186 Ph: 414-491-1640

SURVEYOR/ENGINEER

John P. Konopacki, PLS Anthony S. Zanon, P.E. Pinnacle Engineering Group 20725 Watertown Road, Suite 100 Brookfield, WI 53186 Ph: 262-754-8888

GENERAL NOTES

- 1. Field work completed on MARCH 14, 2023.
- 2. No title or letter report was provided for this exhibit.

NO ACCESS

- Existing improvements graphically shown on this survey are limited to a predefined "Project Area" specified by the Owner/Client. Pinnacle Engineering Group, LLC takes no responsibility for improvements outside of this
- 4. Contours are shown at a 1' interval based on actual ground survey of the current ground terrain. Reference Benchmark is Point #1017, NW Flange Bolt, Elevation = 911.09.
- 5. Utilities on or above the surface of the surveyed property observed in the process of conducting the fieldwork graphically shown on the survey. Underground utility locations shown are based on field location markings by Digger's Hotline ticket #20230906277 with a clear date of March 13, 2023. The location and size of underground structures and utilities shown hereon have been located based on a reasonable visual

observation and are shown for informational purposes only. PINNACLE ENGINEERING GROUP, LLC. does

not guarantee the location of utilities shown. Contact Digger's Hotline prior to the start of any activity. 6. Lease area descriptions based on Lot 2741 & Lot 2731 exhibits provided by Mead & Hunt.

PLAN I DESIGN I DELIVER
www.pinnacle-engr.com
PINNACLE ENGINEERING GROUP

THIS LOCATION. INSTALL TEMPORARY FENCE.
ONCE TEMPORARY FENCE IS INSTALLED, REMOVE
THE FORMER PERMANENT FENCE FROM THIS
POINT, EASTERLY AND THEM NORTHERLY TO TEMP.
SECURITY INTO THE AIRPORT.

REMOVE EXISTING FENCE ——

AVIATION DRIVE

N10°44'54"E 132.80

FUTURE JET-OUT

HANGER

KENDAL AVIATION

WISCONSIN OFFICE: 20725 WATERTOWN ROAD SUITE 100

BROOKFIELD, WI 53186

(262) 754-8888

ENGINEERING I NATURAL RESOURCES I SURVEYING CHICAGO I MILWAUKEE : NATIONWIDE

BEING A PART OF THE NW 1/4 OF THE SW 1/4, & PART OF THE SW 1/4 OF NW 1/4 OF SEC. 27, T7N, R19E, CITY OF WAUKESHA, WAUKESHA COUNTY, WISCONSIN

Lease Lot 2731 & Lot 2741

KENDAL AVIATION PROPOSED HANGER

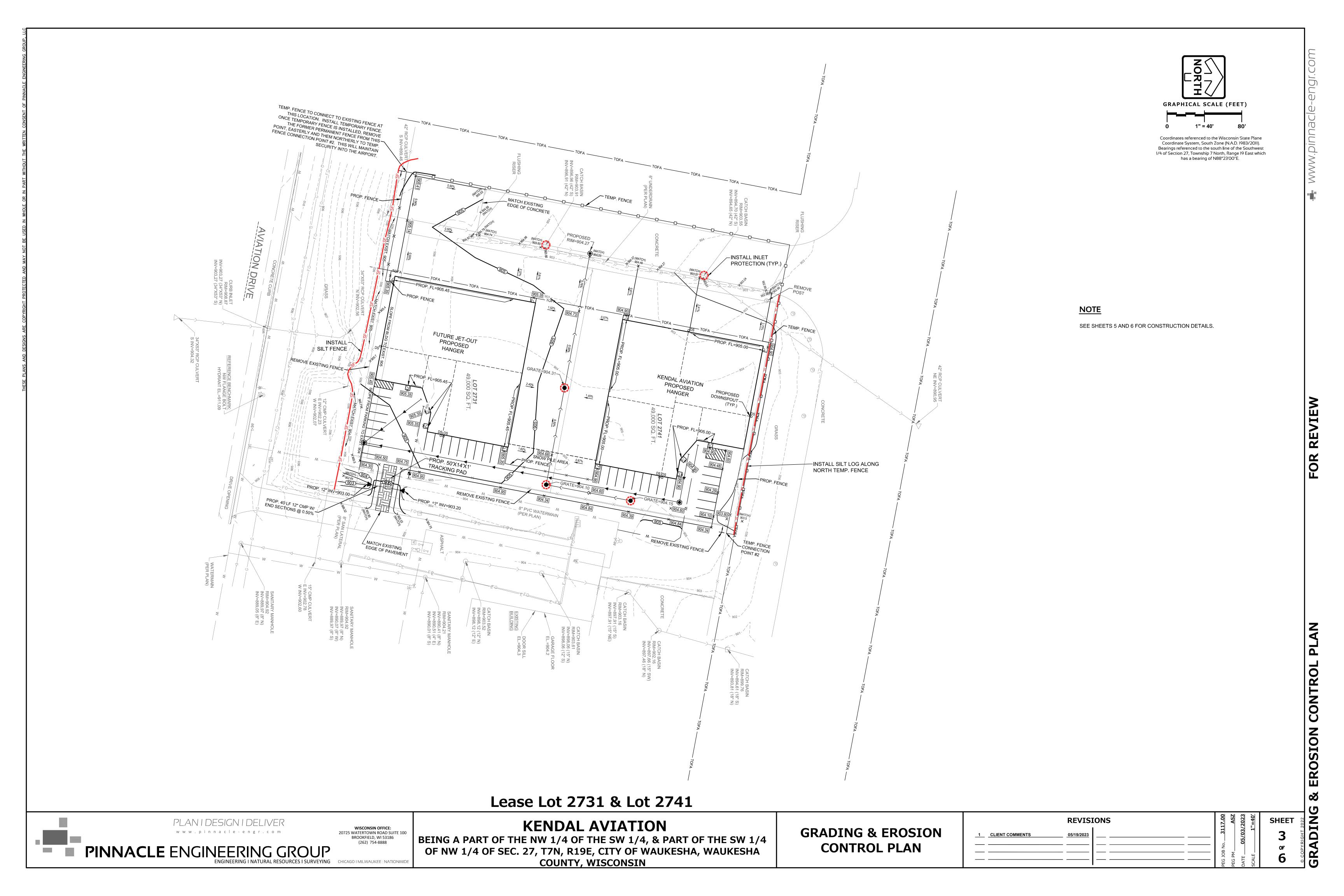
REMOVE EXISTING FENCE

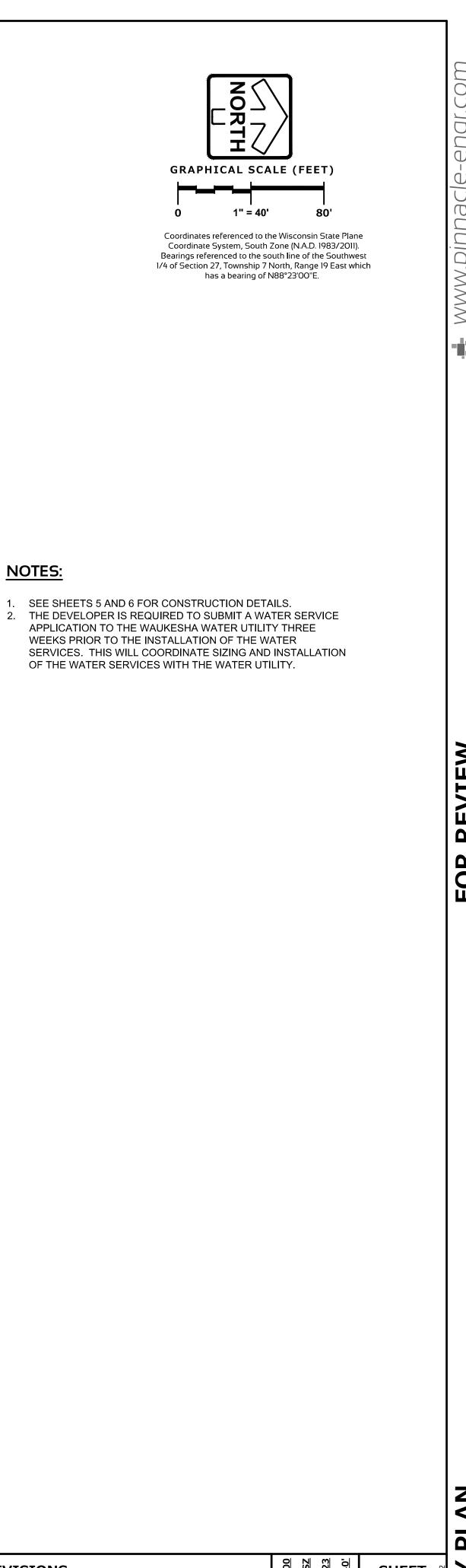
LOT 2741 9,000 SQ. F

PROPOSED SITE PLAN

	REVISIONS				
1_	CLIENT COMMENTS	05/19/2023			
				_	

	3117.00	ASZ	05/03/2023	1"1
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	PEG JOB No.	PEG PM.	ATE	-
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NOTES:

2. THE DEVELOPER IS REQUIRED TO SUBMIT A WATER SERVICE APPLICATION TO THE WAUKESHA WATER UTILITY THREE WEEKS PRIOR TO THE INSTALLATION OF THE WATER SERVICES. THIS WILL COORDINATE SIZING AND INSTALLATION

Lease Lot 2731 & Lot 2741

PLAN I DESIGN I DELIVER WISCONSIN OFFICE: 20725 WATERTOWN ROAD SUITE 100 BROOKFIELD, WI 53186 (262) 754-8888 www.pinnacle-engr.com PINNACLE ENGINEERING GROUP

ENGINEERING I NATURAL RESOURCES I SURVEYING

AVIATION DRIVE

PROP. SAN MH #1

RIM=904.50

8" E=890.90

6" N=891.30

D=13.6' ± (CONFIRM EXIST. 8")

END OF 8" SAN SEWER. INVERT
0.50% FROM MANHOLE, 8" INV=890.6±
IN FIELD. EXTEND 29'-8" @ 1.00%

PROP. 77'-6" SAN LAT @ 9.00%

PROP. 29'-8" SAN SEWER @ 1.00% (PRIVATE INTERCEPTOR MAIN)

=904.92 =89.97 (8" N) =890.07 (8" W)

CATCH BASIN RIM=903.52 INV=898.12 (12" N) INV=898.12 (12" E)

SANITARY MANHO RIM=904.21 - INV=890.41 (8" N) INV=890.51 (4" E) INV=890.01 (8" S)

LOWER TOP OF FLUSHING RISER TO BE FLUSH WITH NEW CONCRETE (EXIST ELEV=904.97 / PROP ELEV=904.78)

RIM=904.27-PROP 21" E=898.04

(2' X 3') GRATE=904.31 18" E=898.85 21" W=898.60 SUMP=208

FUTURE JET-OUT

PROP. 79'-6" PVC C-900 DR-14
WATER LATERAL (SEE NOTE 2)
(MAINTAIN MIN. 6' COVER)

PROPOSED

HANGER

LOCATE 6" UNDERDRAIN INV=901± (PER PLAN)

PROP. 52'-6" SAN LAT @ 1.88%

KENDAL AVIATION PROPOSED HANGER

KENDAL AVIATION BEING A PART OF THE NW 1/4 OF THE SW 1/4, & PART OF THE SW 1/4 OF NW 1/4 OF SEC. 27, T7N, R19E, CITY OF WAUKESHA, WAUKESHA COUNTY, WISCONSIN

UTILITY PLAN

TOP OF FLUSHING RISER TO BE FLUSH WITH NEW CONCRETE (EXIST ELEV=902.86)

-REMOVE WOOD POST

REVISIONS

SILT FENCE

GRADING & EROSION CONTROL NOTES:

GEOTEXTILE FABRIC SHALL MEET THE REQUIREMENTS OF MATERIAL SPECIFICATION 592 GEOTEXTILE TABLE 1 OR 2, CLASS I WITH EQUIVALENT OPENING SIZE OF AT LEAST 30 FOR

SILT FENCE SHALL BE ANCHORED BY SPREADING AT LEAST 8-INCHES OF FABRIC IN A

4-INCH WIDE AND 6-INCH DEEP TRENCH OR 6-INCH DEEP V-TRENCH ON THE UPSLOPE SIDE OF THE FENCE. TRENCHES SHALL NOT BE EXCAVATED WIDER OR DEEPER THAN NECESSARY FOR

4. FOLD MATERIAL TO FIT TRENCH AND BACKFILL AND COMPACT TRENCH WITH EXCAVATED SOIL.

WOOD POSTS SHALL BE A MINIMUM SIZE OF 1.125-INCHES x 1.125-INCHES OF DRIED OAK OR

POST SPACING SHALL BE SELECTED BASED ON GEOTEXTILE FABRIC (8-FEET FOR WOVEN AND

6. SILT FENCE TO EXTEND ABOVE THE TOP OF PIPE, WHERE APPLICABLE.

- A.ALL CONSTRUCTION PRACTICES TO COMPLY WITH THE CITY OF WAUKESHA, WAUKESHA COUNTY, WISCONSIN DNR AND THE WISCONSIN DNR TECHNICAL STANDARDS.
- B. ALL DISTURBED AREAS ON SITE SHALL BE TOPSOILED (4" THICK), SEEDED AND STABILIZED WITH EROSION MAT (WISDOT CLASS 1, TYPE B) PER WISCONSIN DNR TECHNICAL STANDARD 1052. SEPTEMBER 15TH IS THE DEADLINE FOR PERMANENT SEED. ANY AREAS EXPOSED AFTER SEPTEMBER 15TH AND BEFORE OCTOBER 15TH SHALL BE TEMPORARY SEEDED WITH WINTER WHEAT AT THE RATE OF 3 LBS/1000 S.F. THIS TEMPORARY COVER SHALL BE FERTILIZED AT SAME RATE & MIXTURE AS PERMANENT SEED. ANY DISTURBED AREAS NOT STABILIZED BY OCTOBER 15TH SHOULD BE STABILIZED BY PLACING TOPSOIL, SEED AND TYPE A SOIL STABILIZER BY NOVEMBER 15TH. THE APPROVED SOIL STABILIZERS ARE IDENTIFIED IN THE WISCONSIN DOT PAL LIST. THE PLACEMENT OF THE SOIL STABILIZER SHALL MEET THE REQUIREMENTS IN THE PAL LIST AND PER WISCONSIN DNR TECHNICAL STANDARD 1050.

GROUND LINE

SILT FENCE ALONG SLOPES & OUTFALLS

- C. TEMPORARY STABILIZATION IS REQUIRED FOR ANY AREA LEFT INACTIVE FOR MORE THAN SEVEN DAYS. TOPSOIL AND SPOIL STOCKPILES SHALL BE SEEDED AND MULCHED WITHIN 7 DAYS OF LAYUP USING AGRICULTURAL RYE WITH A SEEDING RATE OF 3 LBS/1000 SQUARE FEET. INSTALL SILT FENCE ON THE DOWNSLOPE SIDE OF THE PILE TO REDUCE SEDIMENT RUNOFF.
- D.ALL CONSTRUCTION TRAFFIC IS TO ENTER/EXIT THE SITE OVER THE TRACKING PAD FROM AVIATION DRIVE. THE TRACKING PAD IS PER WISCONSIN DNR TECHNICAL STANDARD 1057. ALL PRIVATE AND PUBLIC STREETS ARE TO BE KEPT CLEAN AT ALL TIMES.
- E. THE PERMANENT SEED MIXTURE SHALL BE WISCONSIN DOT SEED MIXTURE NO. 40 AND SOWN AT THE RATE OF 4 LBS/1000 SQ. FT. SEED MIXTURE NO. 40 CONSISTS OF 35% KENTUCKY BLUEGRASS, 20% RED FESCUE, 20% HARD FESCUE AND 25% IMPROVED FINE PERENNIAL RYEGRASS. THE TEMPORARY SEED MIX SHALL BE WINTER WHEAT.
- F. FERTILIZE SOIL WITH 10 LBS/1000 SQ. FT. OF 20-0-10 FERTILIZER.
- GEOTEXTILE BAG SHOULD BE PLACED IN A LOCATION THAT ALLOWS THE DISCHARGED WATER TO FLOW OVER A VEGETATIVE COVER. FOLLOW WISCONSIN DNR TECHNICAL STANDARD 1061 H. ALL BUILDING AND WASTE MATERIAL SHALL BE DISPOSED OF OFF SITE TO PREVENT RUNOFF OF MATERIAL
- I. DUST CONTROL SHOULD BE ADDRESSED PER WISCONSIN DNR TECHNICAL STANDARD 1068. AT A MINIMUM USE WATER. USE POLYMERS, TACKIFIER AND SOIL STABILIZERS IF NEEDED. INSPECT DAILY TO DETERMINE THE NEED TO IMPLEMENT A CONTROL
- J. CONCRETE TRUCKS, IF NEEDED, ARE TO BE WASHED OUT IN PAVEMENT SUB-BASE AREAS.

AGGREGATE OVER GEOTEXTILE FABRIC EXISTING PAVEMENT 3" TO 6" WASHED OR CLEAR STONE

- ALL TRACKING PAD MATERIALS AND INSTALLATION SHALL BE IN CONFORMANCE WITH WI DNR TECHNICAL STANDARD 1057 TRACKING PADS SHALL BE INSTALLED PRIOR TO ANY TRAFFIC LEAVING THE SITE. CONTRACTOR SHALL VERIFY LOCATION
- THE AGGREGATE FOR TRACKING PADS SHALL BE 3 TO 6 INCH CLEAR OR WASHED STONE. ALL MATERIALS TO BE RETAINED OF
- THE AGGREGATE SHALL BE PLACED IN A LAYER AT LEAST 12-INCHES THICK. ON SITES WHERE SATURATED CONDITIONS ARE EXPECTED DURING THE LIFE OF THE PAD, THE PAD SHALL BE UNDERLAIN WITH GEOTEXTILE FABRIC WHICH MEETS MATERIAL SPECIFICATION 592 GEOTEXTILE, TABLE 1 OR 2, CLASS I, II OR IV, TO PREVENT MIGRATION OF UNDERLYING SOILS INTO THE
- THE TRACKING PAD SHALL BE THE FULL WIDTH OF THE EGRESS POINT. MINIMUM WIDTH IS 14 FEET FOR ONE-WAY TRAFFIC AND 20 FEET FOR TWO-WAY TRAFFIC, WITH AN ADDITIONAL INCREASE OF 4 FEET FOR TRAILER TRAFFIC. THE TRACKING PAD SHALL BE A MINIMUM 50-FEET LONG.
- ANY SEDIMENT TRACKED ONTO A PUBLIC OR PRIVATE ROAD SHOULD BE REMOVED BY STREET CLEANING, NOT FLUSHING, AT
- TRACKING PADS SHALL, AT A MINIMUM, BE INSPECTED WEEKLY AND WITHIN 24-HOURS AFTER EVERY PRECIPITATION EVENT THAT PRODUCES 0.5-INCHES OF RAIN OR MORE DURING A 24-HOUR PERIOD.
- THE TRACKING PAD PERFORMANCE SHALL BE MAINTAINED BY SCRAPING OR TOP-DRESSING WITH ADDITIONAL AGGREGATE.

CONSTRUCTION ENTRANCE

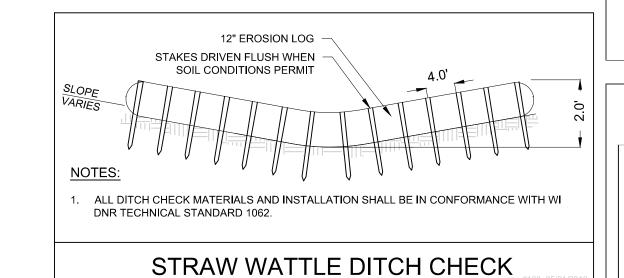


Table 1 – Prescriptive Compliance Area Soil Stabilization

STRUCTION SEQUENCE:
INSTALL CULVERT, TRACKING PAD, SILT FENCE, INSTALL TEMPORARY FENCE AND THEN REMOVE EXISTING FENCE. CONTINUOUS INSPECTION OF EROSION CONTROL
MEASURES THROUGHOUT THE PROJECT. THE GENERAL CONTRACTOR SHALL INSPECT EROSION AND SEDIMENT CONTROL PRACTICES WEEKLY, AND WITHIN 24 HOURS
AFTER EVERY RAIN EVENT THAT PRODUCES 0.5 INCHES OF RAIN OR MORE IN A 24 HOUR PERIOD. WRITTEN DOCUMENTATION OF EACH INSPECTION SHALL BE
MAINTAINED ONLINE AND/OR AT THE CONSTRUCTION SITE AND SHALL INCLUDE THE TIME, DATE AND LOCATION OF INSPECTION, THE PHASE OF LAND DISTURBANCE AT
THE CONSTRUCTION SITE, PERSON CONDUCTING THE INSPECTION, ASSESSMENT OF CONTROL PRACTICES, AND DESCRIPTION OF ANY EROSION OR SEDIMENT CONTROL
MEASURE INSTALLATION OR MAINTENANCE PERFORMED IN RESPONSE TO THE INSPECTION.
STRIP TOPSOIL AND BEGIN BUILDING CONSTRUCTION.
INSTALL SANITARY SEWER AND WATER LATERALS.
INSTALL STORM SEWER AND INLET PROTECTION.

- FINISH GRADE AND COORDINATE THE ELECTRIC, GAS, CABLE AND TELEPHONE INSTALLATION.
- INSTALL STONE BASE AND PAVEMENT. 7. RESTORE ANY REMAINING DISTURBED AREAS.

TECHNICAL STANDARD 1056.

NONWOVEN AND 50 FOR WOVEN.

8. REMOVE CONSTRUCTION EROSION CONTROL MEASURES AFTER ENTIRE SITE IS STABILIZED (80% REVEGETATED) AND ALL CONSTRUCTION IS COMPLETE.

ESTIMATED START DATE: MAY 2023

ESTIMATED COMPLETION DATE: JUNE 2024

ESTIMATED DISTURBED AREA: 3.34 ACRES

Prescriptive Compliance Areas	Bare Soil	Slope & Channel Management	Periods of Inactivity	Final Grade
Soil stockpiles that will exist for more than 7 days Utility trench backfills Temporary ditches/swales that	Areas that Do Not Drain to Sediment Basins or Traps Limit the duration of soil exposure to no more than 30 days. Areas that Drain to Sediment Basins or Traps	Management General Design and implement approved soil stabilization practices per DNR technical standards. Refer to WisDOT Slope & Channel Matrices for appropriate slope and slope	Planned Inactivity Stabilize immediately if area will be left inactive for more than 14 days. Unplanned Inactivity Stabilize area immediately if period of inactivity	Permanent Features Stabilize area immediately after reaching final grade. Temporary Features Stabilize area immediately after
will exist for more than 7 days Permanent ditches/swales Small areas – Less	Limit the duration of soil exposure to no more than 90 days. However, use the duration from the soil loss and sediment discharge calculations for the other	length conditions. Slopes Steeper than 20% Provide stable diversion of off-site runoff around the slope.	reaches 14 days.	establishment of temporary feature or reaching specified temporary grade.
than 1 acre and less than 1% of site Discrete areas – Less than 1 acre Storm water practice side slopes	areas of the site if less than 90 days.	Provide slope interruption devices in accordance with Manufactured Perimeter Control & Slope Interruption Products Technical Standard 1071 or equivalent methods		
Slopes steeper than 20%		to reduce uninterrupted slope length.		

	STRUCTURE WALL.						
 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.							
	SIDE FLAPS SHALL BE A REINFORCE WITH MULT		1. W	<u>(ENANC</u> (HEN RI AKEN S			
5. FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2" x 4". THE REBAF STEEL PIPE, OR WOOD SHALL BE INSTALLED IN THE REAR FLAP AND SHALL NOT BLOCK THE TOP HALF OF THE CURB FACE OPENING.							
		Table 1 Inlet Device Sele	ction				
Inlet Type	Project Phase	Inlet Protection	Notes				
Yard Drain or Field Inlet	Major grading through final stabilization	Туре А	Allow ponding around drain if conditions allow				
Paved Area	Pre-Paving	Туре А	After castings are in place, use Type Series when needed for safety, or use B if insufficient depth is available				
Dan to							
Drain	Post-Paving	Type D, D-M, D- HR, or D-RF	Use Type B if inlet is not deep enough Type D Series	n for			
Drain Curb Inlet	Post-Paving Pre-Paving			D D			

TYPE FF GEOTEXTILE

INTERIOR FLAP STITCHING

INSIDE ALL FOUR SIDES

STITCHED IN ALL FOUR

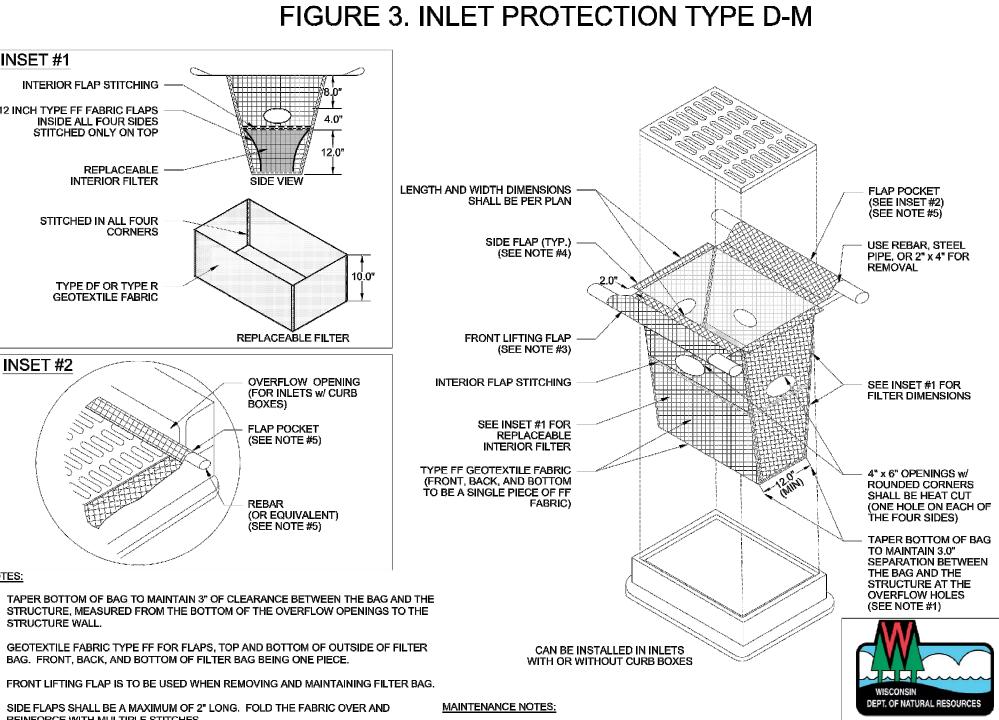
TYPE DF OR TYPE R

GEOTEXTILE FABRIC

INSET#2

TYPE FF GEOTEXTILE FABRIC TO BE TRENCHED TO DEPTH OF 6.0" TRENCHED TO 2" x 4" STAKES AND CROSS BRACING) FILOW DIRECTION A8.0" INLET GRATE INLET WALL FABRIC TO BE TRENCHED TO DEPTH OF 6.0" (MINIMUM). COVER TRENCHED FABRIC WITH SOIL AND TAMP DOWN INLET WITH OR WITHOUT GRATE INLET PROTECTION TYPE A	TYPE FF GEOTEXTILE FABRIC (EXTEND FABRIC A MINIMUM OF 6' AROUND GRATE PERIMETER FOR MAINTENANCE OR REMOVAL) INLET PROTECTION TYPE B WITHOUT CURB BOX TYPE FF GEOTEXTILE FABRIC (EXTEND FABRIC A MINIMUM OF 6' AROUND GRATE FEDERAL FABRIC A MINIMUM OF 6' AROUND GRATE WITHOUT CURB BOX TYPE FF GEOTEXTILE FABRIC WIDTH ON BOTH SIDES, SECURE TO GRATE WITHOUT GRATE WITHOU
IOTES: 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: 1. 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. 1060 TECHNICAL STANDARD No. 12/2021 REVISION DATE NOT TO SCALE
FIGURE 3	S. INLET PROTECTION TYPE D-M

FIGURE 1. INLET PROTECTION TYPES A, B AND C



lΑ	INTENANCE 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 STRUCTURE SHALL BE IMMEDIATELY REMOVED.

	NOT TO SCALE		
2 lection			
Filtering Fabric	Inlet Protection Type		

D, D-M, D-RF

D-M, D-RF

•			
Fine	e 0 004	R	D-M, D-RF
(Clay)	≤ 0.004	HR	D-HR, D-RF
	R or HR fabrics may be used HR fabrics may be used wh		

FF*

Fabric Se

Average Particle

≥ 0.0625

0.0624 - 0.005

Lease Lot 2731 & Lot 2741

WOOD POST (TYP.)

FABRIC (TYP.)

FABRIC (TYP.)

WOOD POST (TYP.)

JOINT (TWIST METHOD)

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WISCONSIN OFFICE: 20725 WATERTOWN ROAD SUITE 10 BROOKFIELD, WI 53186

BEING A PART OF THE NW 1/4 OF THE SW 1/4, & PART OF THE SW 1/4 OF NW 1/4 OF SEC. 27, T7N, R19E, CITY OF WAUKESHA, WAUKESHA **COUNTY, WISCONSIN**

CONSTRUCTION **DETAILS**

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		REVIS:	IONS	117.0	ASZ (7073	J ~	SHEET 2022
1	CLIENT COMMENTS	05/19/2023		က	05/03	1 1	5
				JOB No	>		OF
					PEG PM	₹ 5	6

Texture

Coarse

(Sand)

Medium

(Silt Loam)

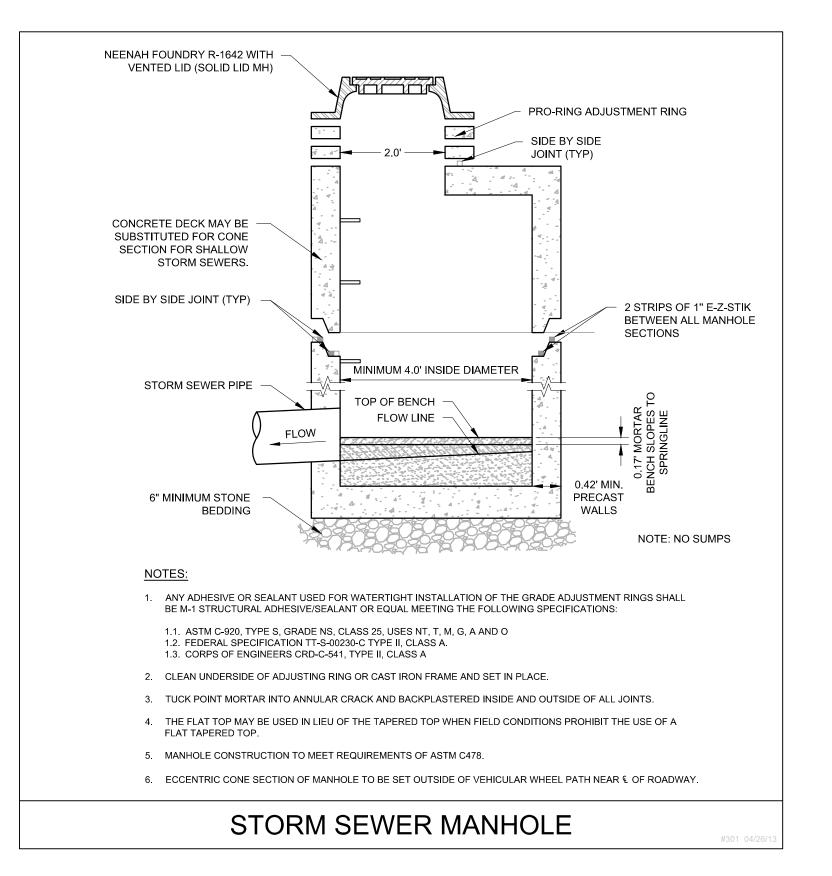
PINNACLE ENGINEERING GROUP

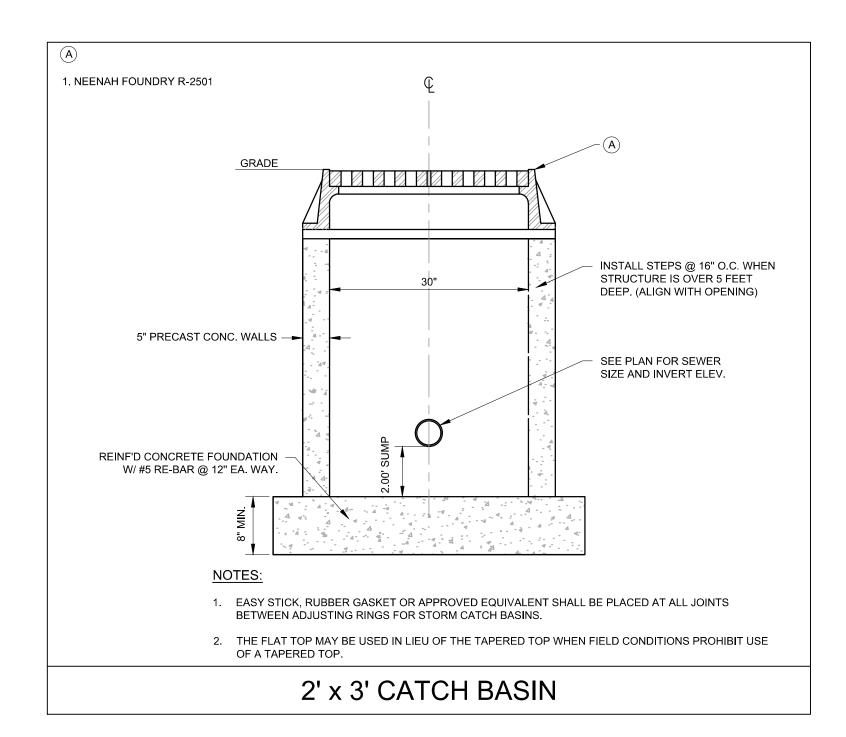
KENDAL AVIATION

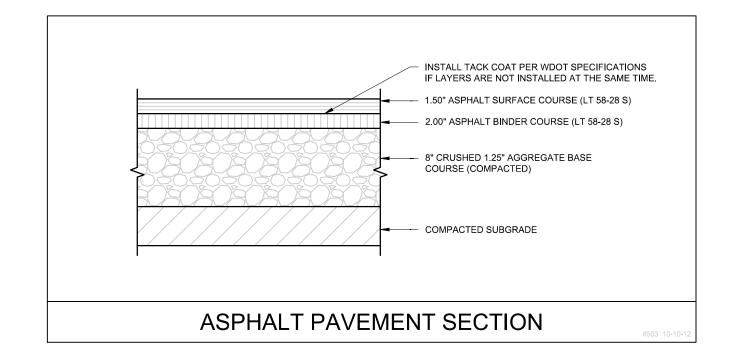
ROD BACK-UP

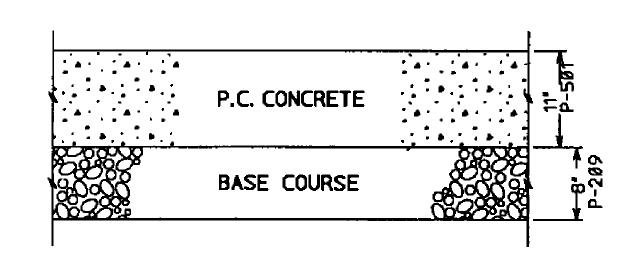
CONSTRUCTION JOINT

MATERIAL

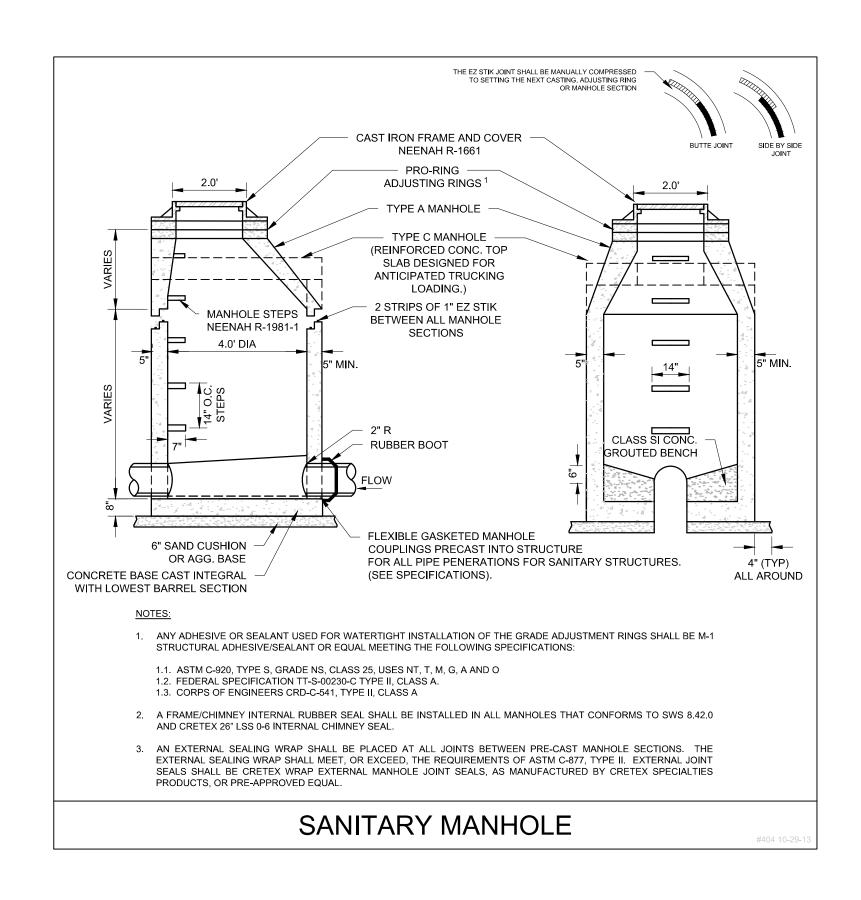








TYPICAL CONCRETE PAVEMENT SECTION



Lease Lot 2731 & Lot 2741

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KENDAL AVIATION

BEING A PART OF THE NW 1/4 OF THE SW 1/4, & PART OF THE SW 1/4 OF NW 1/4 OF SEC. 27, T7N, R19E, CITY OF WAUKESHA, WAUKESHA **COUNTY, WISCONSIN**

CONSTRUCTION **DETAILS**

JOINT SEAL-P-605

NO.5 DEFORMED BAR-

SPACE D 2'-6" CENTERS

HINGED JOINT - TYPE "E"

REVISIONS					ASZ) H	
1_	CLIENT COMMENTS	05/19/2023		o31	05/03/		
				EG JOB No	EG PM	SCALE	

JOINT SEALER DETAIL 3

SITE UTILITY NOTES

- EXISTING UTILITIES ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY AND ARE NOT 13. WATER MAIN SPECIFICATIONS -GUARANTEED TO BE ACCURATE OR ALL INCLUSIVE. CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE TYPE, LOCATION, SIZE AND ELEVATION OF UNDERGROUND UTILITIES AS THEY DEEM NECESSARY FOR PROPOSED UTILITY CONNECTIONS AND/OR TO AVOID DAMAGE THERETO. CONTRACTOR SHALL CALL "DIGGER'S HOTLINE" PRIOR TO ANY CONSTRUCTION.
 - ALL UTILITY WORK SHALL BE DONE IN ACCORDANCE WITH THE CITY OF WAUKESHA
- 3. ALL APPLICATIONS AND FEES FOR SANITARY SEWER MUST BE COMPLETED AND PAID PRIOR TO CONNECTION TO SEWER SYSTEMS.
- 4. ALL SANITARY SEWER CONNECTIONS TO BE INSPECTED BY CITY. NOTIFY CITY 72 HOURS IN ADVANCE OF CONNECTING TO SEWER. 5. LENGTHS OF PROPOSED UTILITIES ARE TO CENTER OF STRUCTURES OR FITTINGS AND MAY
- VARY SLIGHTLY FROM PLAN. LENGTHS ARE SHOWN FOR CONTRACTOR CONVENIENCE ONLY. CONTRACTOR IS SOLELY RESPONSIBLE FOR COMPUTATIONS OF MATERIALS REQUIRED TO COMPLETE WORK. LENGTHS SHALL BE FIELD VERIFIED DURING CONSTRUCTION.
- CONTRACTOR SHALL ADJUST AND/OR RECONSTRUCT EXISTING UTILITY COVERS (SUCH AS MANHOLE COVERS, VALVE BOX COVERS, ETC.) TO MATCH FINISHED GRADES OF THE AREAS DISTURBED DURING CONSTRUCTION.
- CONTRACTOR SHALL FIELD VERIFY LOCATIONS, ELEVATIONS, AND SIZES OF PROPOSED UTILITIES AND CHECK ALL UTILITY CROSSINGS FOR CONFLICTS PRIOR TO ATTEMPTING CONNECTIONS AND BEGINNING UTILITY CONSTRUCTION AND NOTIFY THE OWNER OF ANY DISCREPANCIES OR CONFLICTS.
- 8. ALL NEW ON-SITE SANITARY, STORM AND WATER LATERAL UTILITIES SHALL BE PRIVATELY OWNED AND MAINTAINED BY THE PROPERTY OWNER.
- 9. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE WITH THE PROPER AUTHORITIES FOR ANY REQUIRED PERMITS, AUTHORIZATIONS, TRAFFIC CONTROL AND ANY PERMIT FEES
- 10. FIELD TILE CONNECTION ALL FIELD TILE ENCOUNTERED DURING CONSTRUCTION SHALL BE INCLUDED IN THE UNIT PRICE(S) FOR STORM SEWER. TILE LINES CROSSED BY THE TRENCH SHALL BE REPLACED WITH THE SAME MATERIAL AS THE STORM SEWER.
- 11. THE CONTRACTOR IS RESPONSIBLE FOR THE SIZE, TYPE AND NUMBER OF WATER MAIN BENDS, HORIZONTAL AND VERTICAL, REQUIRED TO COMPLETE CONSTRUCTION. COST FOR BENDS, HORIZONTAL AND VERTICAL, SHALL BE INCIDENTAL AND INCLUDED IN THE OVERALL COST OF THE CONTRACT.
- 12. STORM SEWER SPECIFICATIONS -
- STORM SEWER PIPE SHALL BE REINFORCED CONCRETE MEETING ASTM C-76 WITH RUBBER GASKET JOINTS PER ASTM C-443. THE PIPE CLASS IS NOTED ON THE PLANS.
- STORM MANHOLES SHALL MEET THE DETAIL ON THE CONSTRUCTION DETAIL SHEET. CATCH BASINS SHALL BE PRECAST 24"X36" WITH TWO FOOT SUMPS. THE FRAME AND GRATE SHALL BE NEENAH R-2501. STRUCTURE SHOP DRAWINGS SHALL BE SUBMITTED TO PINNACLE ENGINEERING GROUP FOR REVIEW AND APPROVAL PRIOR TO MANUFACTURING AND INSTALLATION.
- BACKFILL AND BEDDING STORM SEWER SHALL BE CONSTRUCTED WITH GRAVEL BACKFILL AND CLASS "B" BEDDING"

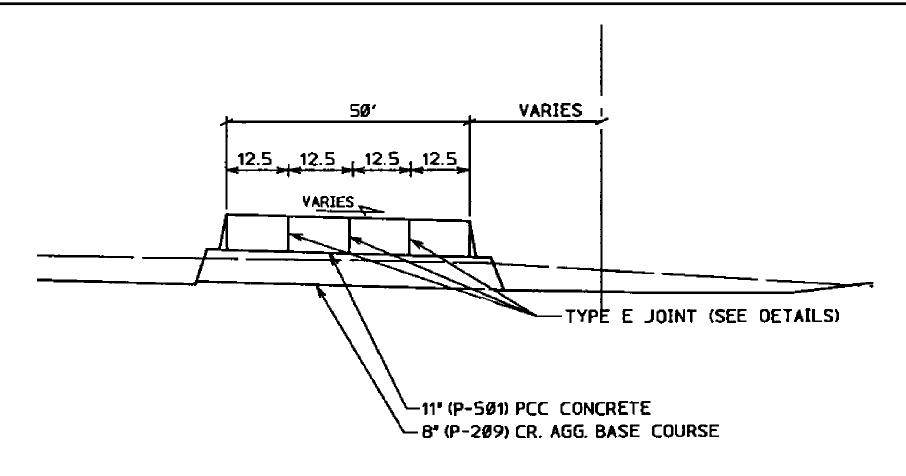
- PIPE 1 ½" WATER LATERAL SHALL BE POLYETHYLENE TUBING. 6" WATER LATERAL SHALL BE PVC, C-900, CLASS 200 (DR-14) WITH INTEGRAL ELASTOMERIC BELL AND SPIGOT JOINTS.
- BEDDING AND COVER MATERIAL PIPE BEDDING AND COVER MATERIAL SHALL BE SAND, CRUSHED STONE CHIPS OR CRUSHED STONE SCREENINGS CONFORMING TO CHAPTER 8.43.2 OF THE "STANDARD SPECIFICATIONS".
- BACKFILL BACKFILL MATERIAL AND INSTALLATION SHALL BE IN ACCORDANCE WITH CHAPTER 2.6.0 OF THE "STANDARD SPECIFICATIONS". GRAVEL BACKFILL IS REQUIRED IN ALL PAVED AREAS AND TO A POINT 5 FEET BEYOND THE EDGE OF PAVEMENT. TRENCHES RUNNING PARALLEL TO AND LESS THAN 5 FEET FROM THE EDGE OF PAVEMENT SHALL ALSO REQUIRE GRAVEL BACKFILL. LANDSCAPED AREAS MAY BE BACKFILLED WITH EXCAVATED MATERIAL IN CONFORMANCE WITH SECTION 8.43.5 OF THE "STANDARD SPECIFICATIONS".
- 14. SANITARY SEWER SPECIFICATIONS -
- PIPE SANITARY SEWER PIPE MATERIAL SHALL BE POLYVINYL CHLORIDE (PVC) MEETING REQUIREMENTS OF ASTM D 3034, SDR-26 OR SDR-35, WITH INTEGRAL BELL TYPE FLEXIBLE ELASTOMERIC JOINTS, MEETING THE REQUIREMENTS OF ASTM D-3212.

BEDDING AND COVER MATERIAL - BEDDING AND COVER MATERIAL SHALL CONFORM TO THE APPROPRIATE SECTIONS OF THE "STANDARD SPECIFICATION" WITH THE FOLLOWING MODIFICATION: "COVER MATERIAL SHALL BE THE SAME AS USED FOR BEDDING AND SHALL CONFORM TO SECTION 8.43.2 (A). BEDDING AND COVER MATERIAL SHALL BE PLACED IN A MINIMUM OF THREE SEPARATE LIFTS, OR AS REQUIRED TO INSURE ADEQUATE COMPACTING OF THESE MATERIALS, WITH ONE LIFT OF BEDDING MATERIAL ENDING AT OR NEAR THE SPRINGLINE OF THE PIPE. THE CONTRACTOR SHALL TAKE CARE TO COMPLETELY WORK BEDDING MATERIAL UNDER THE HAUNCH OF THE PIPE TO PROVIDE ADEQUATE SIDE

BACKFILL - BACKFILL MATERIAL AND INSTALLATION SHALL BE IN ACCORDANCE CHAPTER 2.6.0 OF THE "STANDARD SPECIFICATIONS." GRAVEL BACKFILL IS REQUIRED IN ALL AREAS.

MANHOLES - MANHOLES SHALL BE CONSTRUCTED IN ACCORDANCE WITH FILE NOS. 12, 13 AND 15 OF THE "STANDARD SPECIFICATIONS" AND ALL SPECIAL PROVISIONS OF THE CITY OF WAUKESHA. STRUCTURE SHOP DRAWINGS SHALL BE SUBMITTED TO PINNACLE ENGINEERING GROUP FOR REVIEW AND APPROVAL PRIOR TO MANUFACTURING AND INSTALLATION.

- 15. WATER MAIN AND SANITARY SEWER SHALL BE INSULATED WHEREVER THE DEPTH OF COVER IS LESS THAN 6 FEET. INSULATION AND PLACING OF INSULATION SHALL CONFORM TO CHAPTER 4.17.0 "INSULATION" OF THE STANDARD SPECIFICATIONS FOR SEWER AND WATER CONSTRUCTION IN WISCONSIN 6TH EDITION UPDATED WITH ITS LATEST ADDENDUM (TYP.).
- 16. TRACER WIRE SHALL BE INSTALLED IN ACCORDANCE WITH THE PROVISIONS OF THESE CODE SECTIONS AS PER 182.0715(2R) OF THE STATUTES. THE TRACER WIRE FOR THE SANITARY SEWER LATERAL SHALL BE CONTINUOUS AND SHALL BE EXTENDED ABOVE GRADE VIA A 4-INCH PVC PIPE WITH SCREW-ON CAP ADJACENT TO THE PROPOSED TERMINATION POINT OF THE LATERAL FOR THE PROPOSED BUILDING.
- 17. ALL SEWERS, LEADS, AND LATERALS WITHIN THE PROJECT AND/OR DISTURBED AREA LIMITS SHALL BE TELEVISED BY AN INDEPENDENT TELEVISING INSPECTION SERVICE.



TAXIWAY "A2" TYPICAL SECTION

-SEE DETAIL "3" BELOW