	EX. MONUMENT
\heartsuit	EX. HYDRANT
\bowtie	EX. WATER VALVE
SS	EX. SANITARY MANHOLE
T	EX. STORM MANHOLE
	EX. CATCH BASIN ROUND
	EX. CATCH BASIN SQUARE
•	EX. ELECTRIC PEDESTAL
ETR	EX. ELECTRIC TRANSFORMER
	EX. TELEPHONE PEDESTAL
-0-	EX. SIGN
	EX. UNDERGROUND WATER
ST ST ST	EX. STORM SEWER
SS SS SS	EX. SANITARY LINE
EEEEE	EX. UNDERGROUND ELECTRIC
TTT	EX. UNDERGROUND TELEPHONE
CATV CATV	EX. CABLE TV UNDERGROUND

_____x____x____x____x____x_____EX. FENCE LINE

LEGEND:

BENCHMARK

GENERAL NOTES

SPECIF	ITENTION OF THE PLANS AND SPECIFICATIONS IS TO SET FORTH PERFORMANCE AND CONSTRUCTION MATERIAL STANDARDS FOR THE PROPER EXECUTION OF WORK. ALL WORKS CONTAINED WITHIN THE PLANS AND FICATIONS SHALL BE COMPLETED IN ACCORDANCE WITH ALL REQUIREMENTS FROM LOCAL, STATE, FEDERAL OR OTHER GOVERNING AGENCY'S LAWS, REGULATIONS, JURISDICTIONAL ORDINANCES/CODES/RULES/ETC., AND THE R'S DIRECTION.
2. THE CO	ONTRACTOR IS RESPONSIBLE TO REVIEW AND UNDERSTAND ALL COMPONENTS OF THE PLANS AND SPECIFICATIONS, INCLUDING FIELD VERIFYING SOIL CONDITIONS, PRIOR TO SUBMISSION OF A BID PROPOSAL.
3. THE CO	ONTRACTOR SHALL PROMPTLY REPORT ANY ERRORS OR AMBIGUITIES LEARNED AS PART OF THEIR REVIEW OF PLANS, SPECIFICATIONS, REPORTS AND FIELD INVESTIGATIONS.
	ONTRACTOR IS SOLELY RESPONSIBLE FOR THE COMPUTATION OF QUANTITIES AND WORK REQUIRED TO COMPLETE THIS PROJECT. THE CONTRACTOR'S BID SHALL BE BASED ON ITS OWN COMPUTATIONS AND IN NO SUCH ICE RELY ON THE ENGINEER'S ESTIMATE.
	IONS/CLARIFICATIONS WILL BE INTERPRETED BY ENGINEER/OWNER PRIOR TO THE AWARD OF CONTRACT. ENGINEER/OWNER WILL SUBMIT OFFICIAL RESPONSES IN WRITING. INTERPRETATIONS PRESENTED IN OFFICIAL IN SUBMIT OFFICIAL RESPONSES IN WRITING. INTERPRETATIONS PRESENTED IN OFFICIAL IN SUBMIT OFFICIAL BE BINDING ON ALL PARTIES ASSOCIATED WITH THE CONTRACT. IN NO WAY SHALL WORD-OF-MOUTH DIALOG CONSTITUTE AN OFFICIAL RESPONSE.
	TO START OF WORK, CONTRACTOR SHALL BE COMPLETELY FAMILIAR WITH ALL CONDITIONS OF THE SITE, AND SHALL ACCOUNT FOR CONDITIONS THAT AFFECT, OR MAY AFFECT CONSTRUCTION INCLUDING, BUT NOT LIMITED TO, TIONS OF WORK ACCESS, SPACE LIMITATIONS, OVERHEAD OBSTRUCTIONS, TRAFFIC PATTERNS, LOCAL REQUIREMENTS, ADJACENT ACTIVITIES, ETC. FAILURE TO CONSIDER SITE CONDITIONS SHALL NOT BE CAUSE FOR CLAIM OF (TRAS.
	ENCEMENT OF CONSTRUCTION SHALL EXPLICITLY CONFIRM THAT THE CONTRACTOR HAS REVIEWED THE PLANS AND SPECIFICATIONS IN ENTIRETY AND CERTIFIES THAT THEIR SUBMITTED BID PROPOSAL CONTAINS PROVISIONS MPLETE THE PROJECT, WITH THE EXCEPTION OF UNFORESEEN FIELD CONDITIONS; ALL APPLICABLE PERMITS HAVE BEEN OBTAINED; AND CONTRACTOR UNDERSTANDS ALL OF THE REQUIREMENTS OF THE PROJECT.
THE D	D ANY DISCREPANCIES OR CONFLICTS IN THE PLANS OR SPECIFICATIONS BE DISCOVERED AFTER THE AWARD OF CONTRACT, ENGINEER SHALL BE NOTIFIED IN WRITING IMMEDIATELY AND CONSTRUCTION OF ITEMS AFFECTED BY ISCREPANCIES/CONFLICTS SHALL NOT COMMENCE, OR CONTINUE, UNTIL A WRITTEN RESPONSE FROM ENGINEER/OWNER IS DISTRIBUTED. IN THE EVENT OF A CONFLICT BETWEEN REFERENCED CODES, STANDARDS, FICATIONS AND PLANS, THE ONE ESTABLISHING THE MOST STRINGENT REQUIREMENTS SHALL BE FOLLOWED.
	ONTRACTOR SHALL, AT ITS OWN EXPENSE, OBTAIN ALL NECESSARY PERMITS AND LICENSES TO COMPLETE THE PROJECT. OBTAINING PERMITS, OR DELAYS, IS NOT CAUSE FOR DELAY OF THE CONTRACT OR SCHEDULE. ACTOR SHALL COMPLY WITH ALL PERMIT REQUIREMENTS.
	ONTRACTOR SHALL NOTIFY ALL INTERESTED GOVERNING AGENCIES, UTILITY COMPANIES AFFECTED BY THIS CONSTRUCTION PROJECT, AND DIGGER'S HOTLINE IN ADVANCE OF CONSTRUCTION TO COMPLY WITH ALL DICTIONAL ORDINANCES/CODES/RULES/ETC., PERMIT STIPULATIONS, AND OTHER APPLICABLE STANDARDS.
	Y IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE TO INITIATE, INSTITUTE, ENFORCE, MAINTAIN, AND SUPERVISE ALL SAFETY PRECAUTIONS AND JOB SITE SAFETY PROGRAMS IN ECTION WITH THE WORK.
	ACTOR SHALL KEEP THE JOBSITE CLEAN AND ORDERLY AT ALL TIMES. ALL LOCATIONS OF THE SITE SHALL BE KEPT IN A WORKING MANNER SUCH THAT DEBRIS IS REMOVED CONTINUOUSLY AND ALL RESPECTIVE CONTRACTORS TE UNDER GENERAL "GOOD HOUSEKEEPING."
13. THE CC	ONTRACTOR SHALL INDEMNIFY THE OWNER, ENGINEER, AND THEIR AGENTS FROM ALL LIABILITY INVOLVED WITH THE CONSTRUCTION, INSTALLATION, AND TESTING OF THE WORK ON THIS PROJECT.



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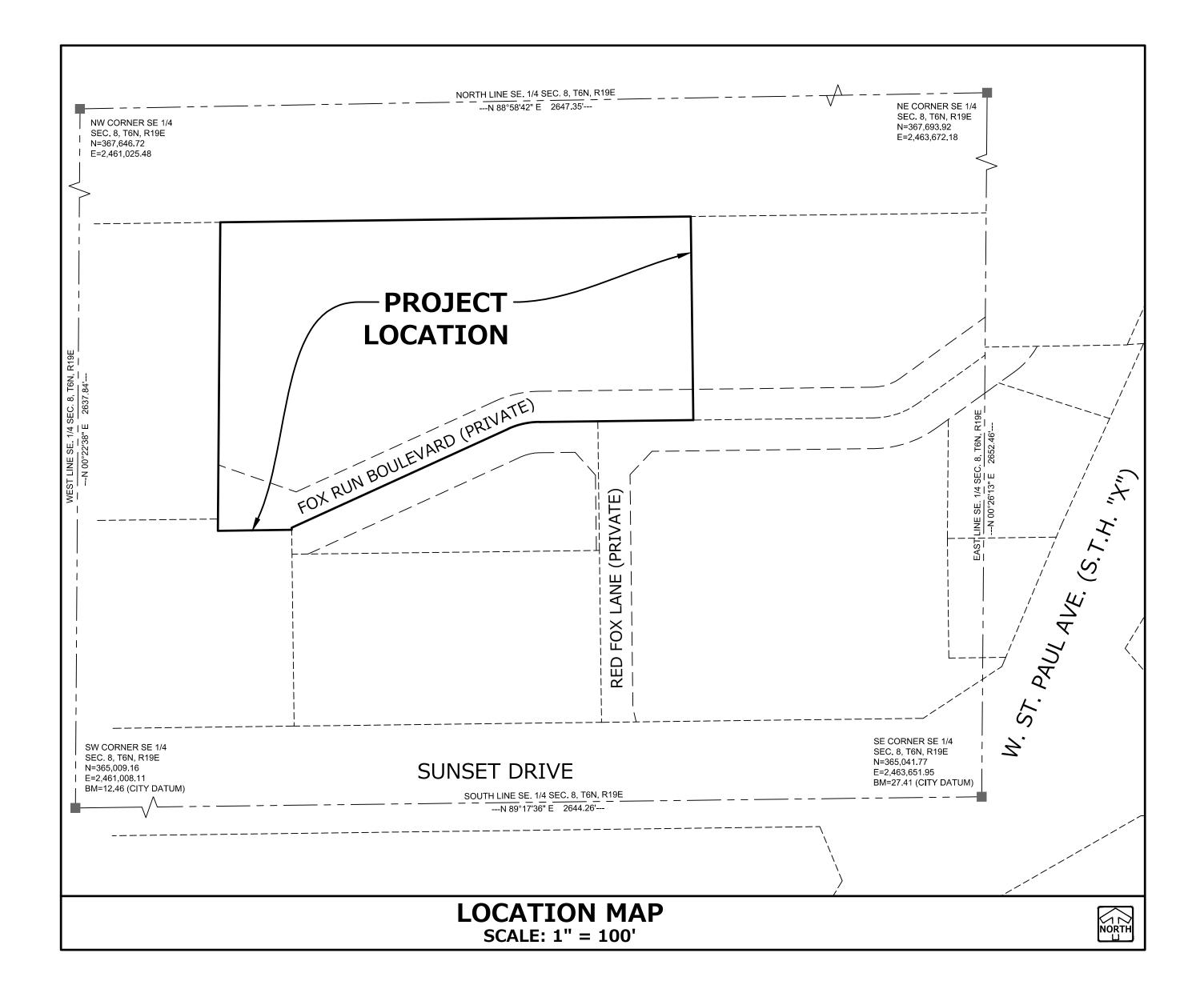
PLAN I DESIGN I DELIVER www.pinnacle-engr.com

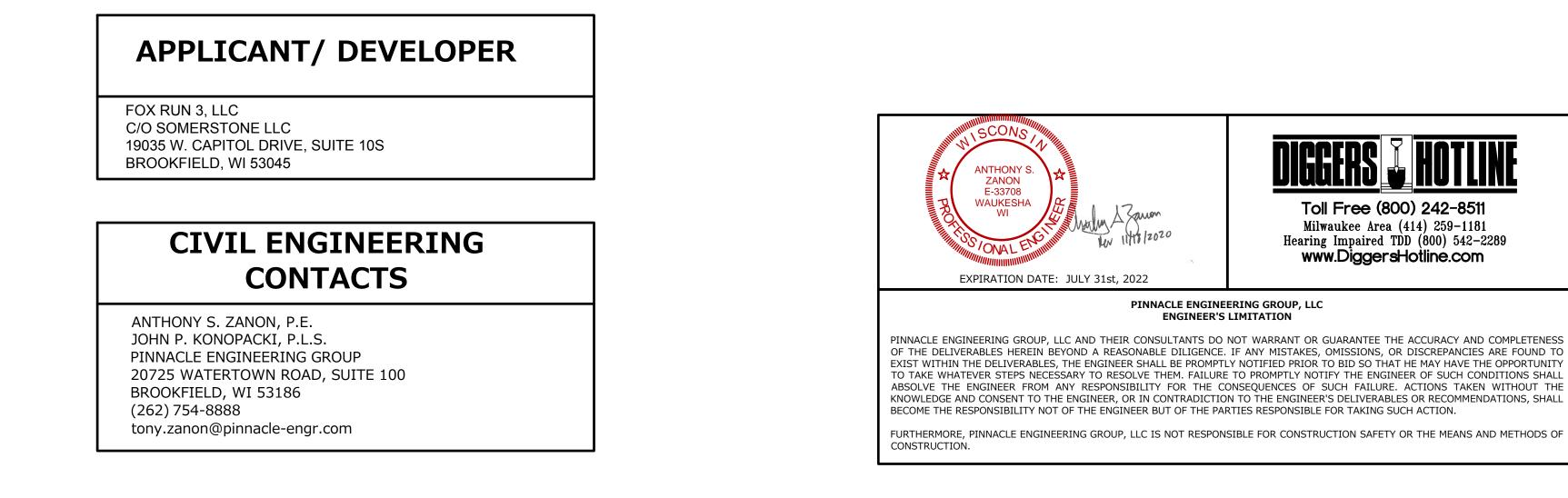
WISCONSIN OFFICE: 20725 WATEROWN ROAD

BROOKFIELD, WI 53186 (262) 754-8888

PINNACLE ENGINEERING GROUP NGINEERING I NATURAL RESOURCES I SURVEYING CHICAGO I MILWAUKEE : NATI

ENGINEERING IMPROVEMENT PLANS FOR FOX DEN APARTMENTS PART OF THE SE 1/4 OF SECTION 8, T 6 N, R 19 E CITY OF WAUKESHA, WAUKESHA COUNTY, WISCONSIN





FOX DEN APARTMENTS CITY OF WAUKESHA, WAUKESHA COUNTY, WI

REFERENCE BEARING:

THE SOUTH LINE OF THE SOUTHEAST QUARTER (SE 1/4) OF SECTION 8, TOWN 6 NORTH, RANGE 19 EAST WAS USED AS THE REFERENCE BEARING AND HAS A BEARING OF S 89°17'36" W BASED ON THE WISCONSIN STATE PLANE COORDINAT SYSTEM (SOUTH ZONE).

REFERENCE BENCHMARK: SW CORNER OF THE SE 1/4 OF SECTION 8 CONCRETE MONUMENT WITH A BRASS CAP. ELEV = 12.46 (NGVD-29, SEWRPC CSSD)

> SE CORNER OF THE SE 1/4 OF SECTION 8 CONCRETE MONUMENT WITH A BRASS CAP. ELEV = 27.41 (NGVD-29, SEWRPC CSSD)

ALL SITE IMPROVEMENTS AND CONSTRUCTION SHOWN ON THE PLANS SHALL CONFORM TO THE CITY OF WAUKESHA DEVELOPMENT HANDBOOK & INFRASTRUCTURE SPECIFICATIONS. WHERE THE PLANS DO NOT COMPLY, IT SHALL BE THE SOLE RESPONSIBILITY AND EXPENSE OF THE DEVELOPER TO MAKE REVISIONS TO THE PLANS AND/OR CONSTRUCTED INFRASTRUCTURE TO COMPLY

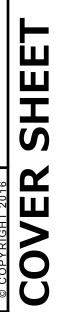
	INDEX OF SHEETS
C-1	COVER SHEET
C-2	EXISTING SITE PLAN
C-3	PROPOSED SITE PLAN
C-4	GRADING PLAN
C-5	EROSION CONTROL PLAN
C-6	UTILITY PLAN
C-7	CONSTRUCTION DETAILS
L-1 - L-5	CONCEPTUAL LANDSCAPE PLAN

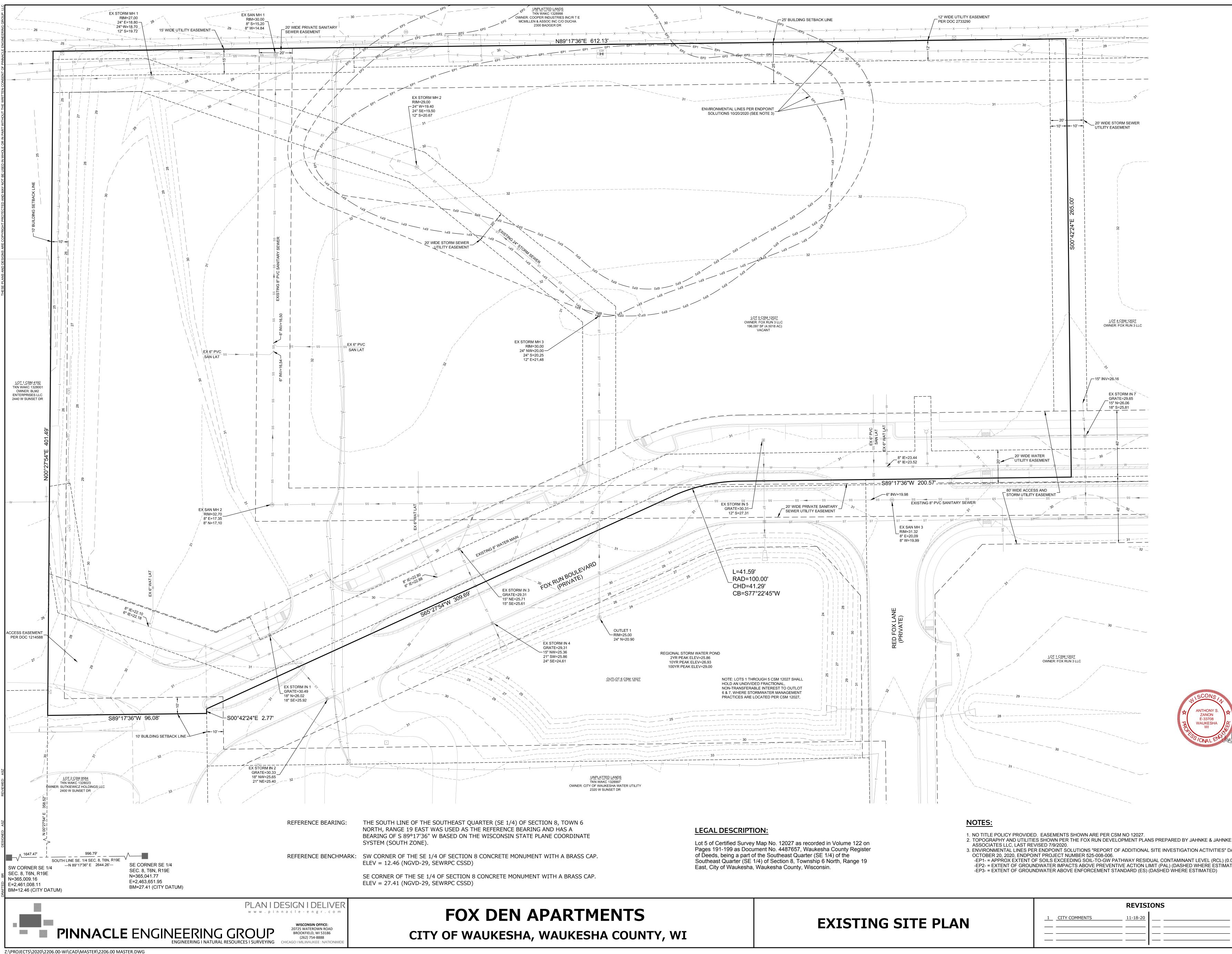
COVER SHEET

	REVISIONS		
1 CITY COMMENTS	11-18-20		



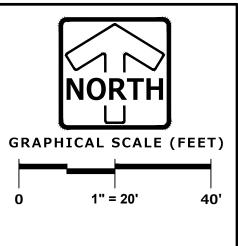
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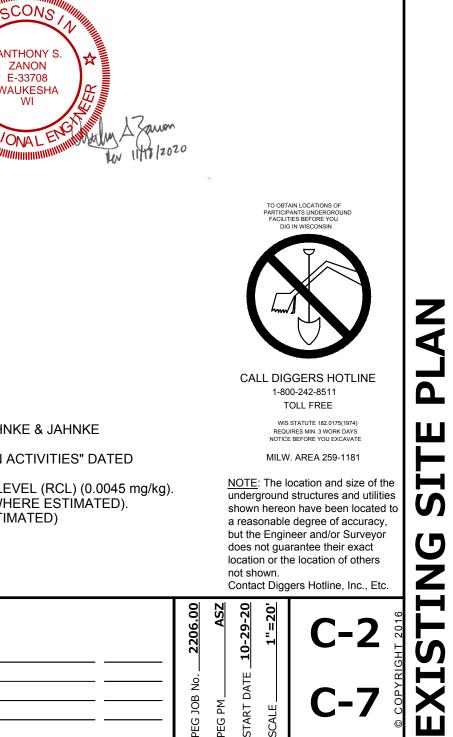
3. ENVIRONMENTAL LINES PER ENDPOINT SOLUTIONS "REPORT OF ADDITIONAL SITE INVESTIGATION ACTIVITIES" DATED -EP1- = APPROX EXTENT OF SOILS EXCEEDING SOIL-TO-GW PATHWAY RESIDUAL CONTAMINANT LEVEL (RCL) (0.0045 mg/kg). -EP2- = EXTENT OF GROUNDWATER IMPACTS ABOVE PREVENTIVE ACTION LIMIT (PAL) (DASHED WHERE ESTIMATED).

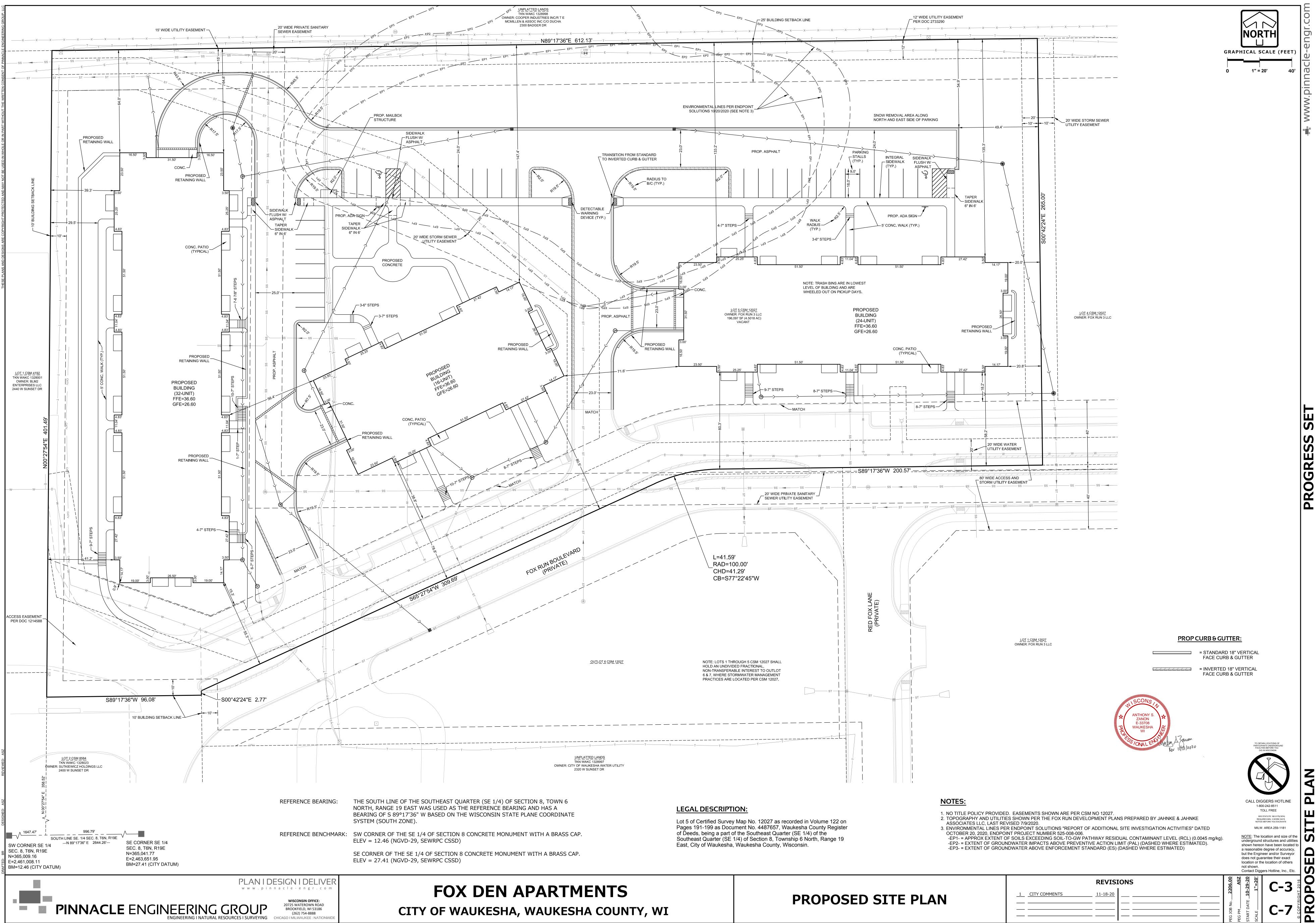
	REVISIONS		
1 CITY COMMENTS	11-18-20		



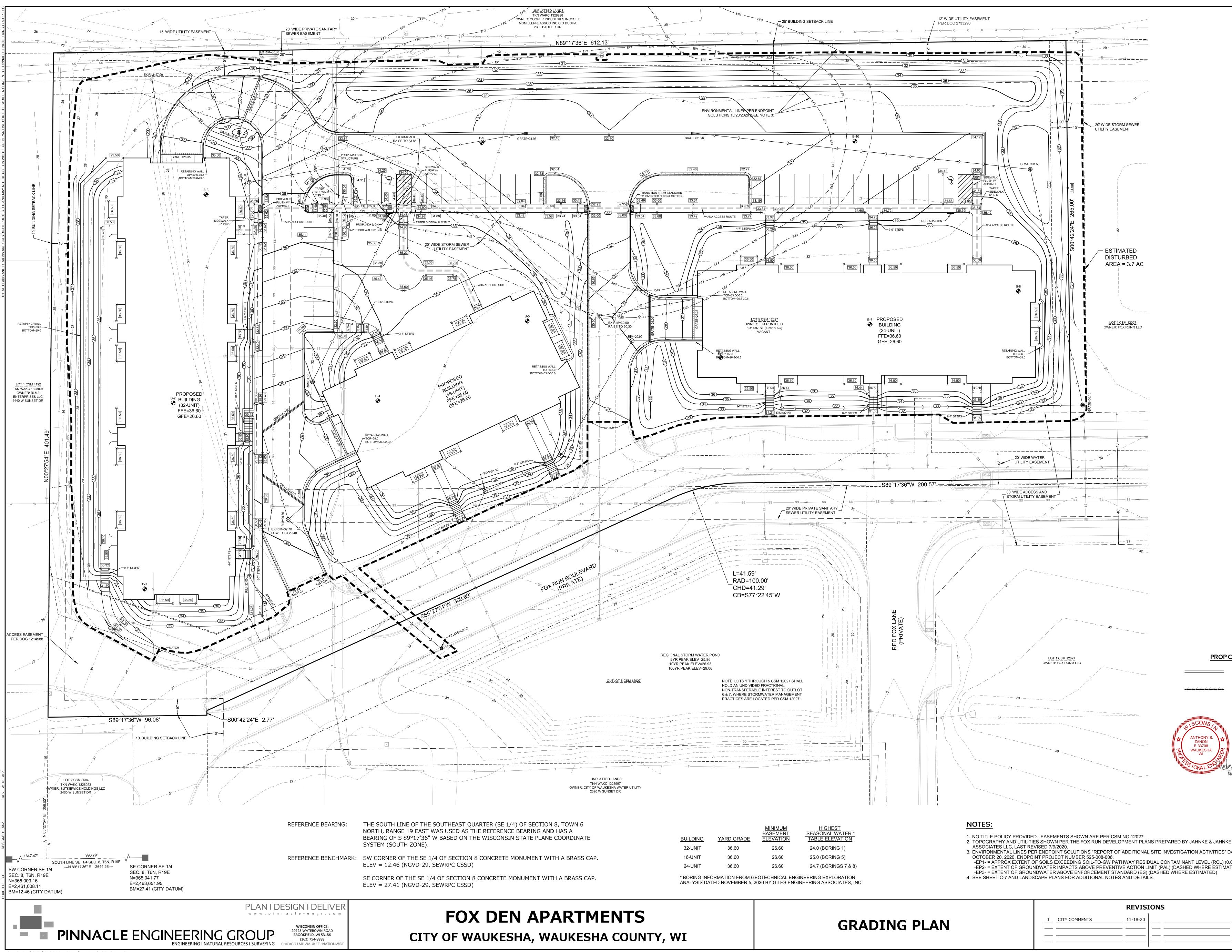


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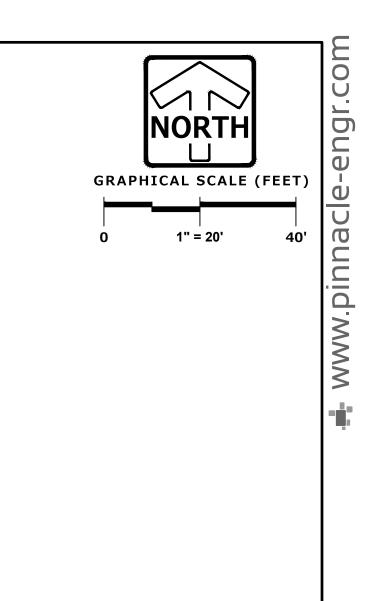


	REVISIONS		
1 CITY COMMENTS	11-18-20		
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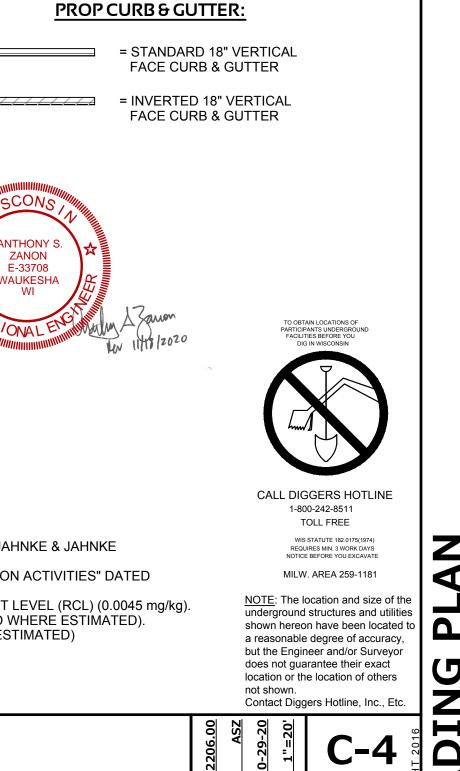


3. ENVIRONMENTAL LINES PER ENDPOINT SOLUTIONS "REPORT OF ADDITIONAL SITE INVESTIGATION ACTIVITIES" DATED -EP1- = APPROX EXTENT OF SOILS EXCEEDING SOIL-TO-GW PATHWAY RESIDUAL CONTAMINANT LEVEL (RCL) (0.0045 mg/kg). -EP2- = EXTENT OF GROUNDWATER IMPACTS ABOVE PREVENTIVE ACTION LIMIT (PAL) (DASHED WHERE ESTIMATED). -EP3- = EXTENT OF GROUNDWATER ABOVE ENFORCEMENT STANDARD (ES) (DASHED WHERE ESTIMATED)

REVISIONS			
1 CITY COMMENTS	11-18-20		



ROGRE

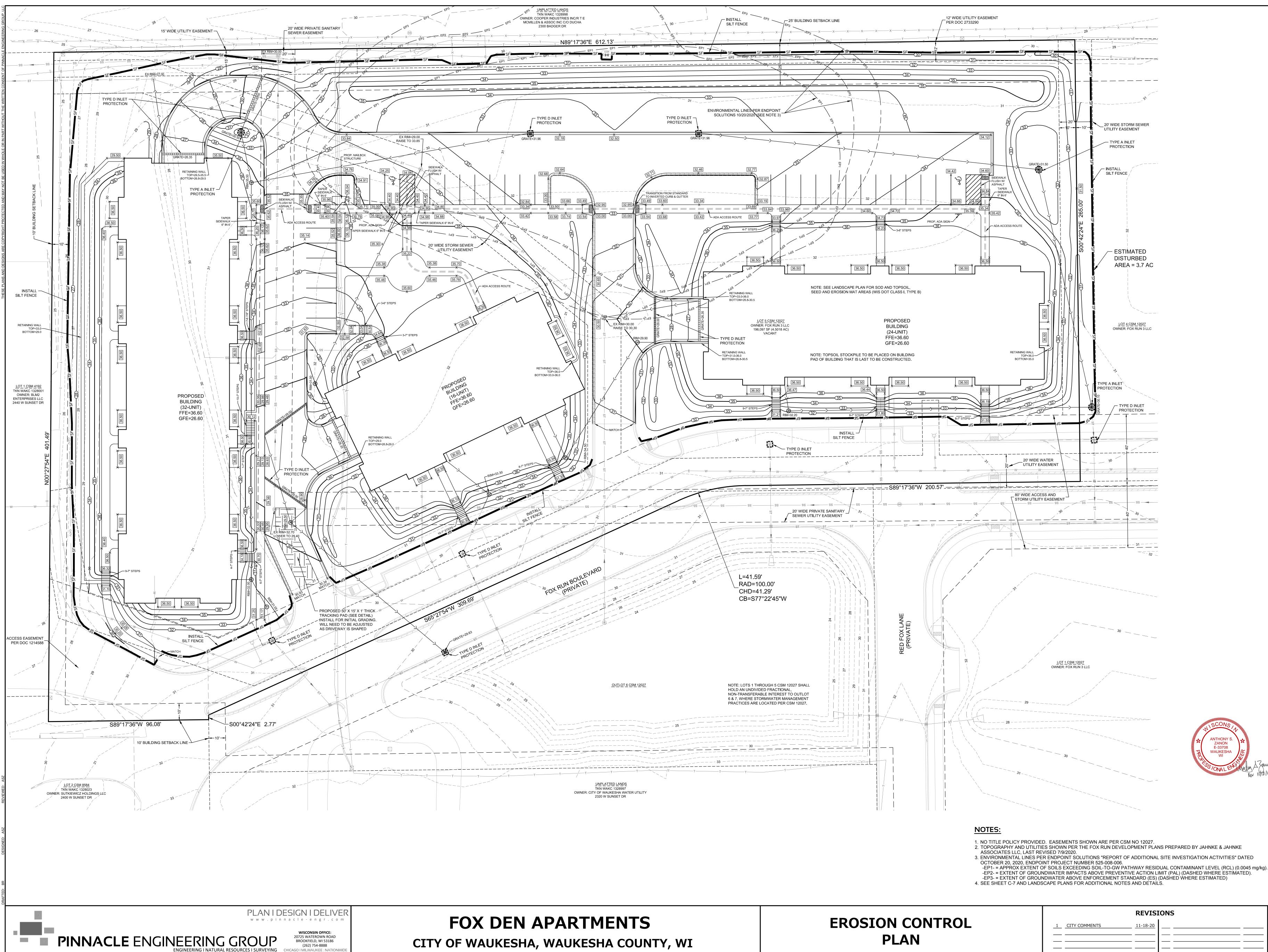


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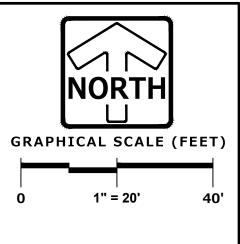
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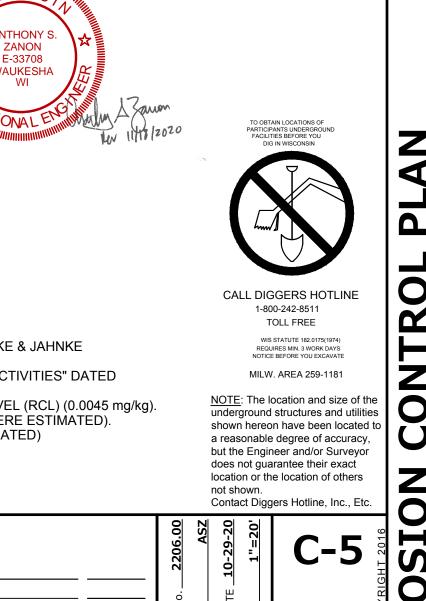
- 3. ENVIRONMENTAL LINES PER ENDPOINT SOLUTIONS "REPORT OF ADDITIONAL SITE INVESTIGATION ACTIVITIES" DATED
- -EP2- = EXTENT OF GROUNDWATER IMPACTS ABOVE PREVENTIVE ACTION LIMIT (PAL) (DASHED WHERE ESTIMATED). -EP3- = EXTENT OF GROUNDWATER ABOVE ENFORCEMENT STANDARD (ES) (DASHED WHERE ESTIMATED)

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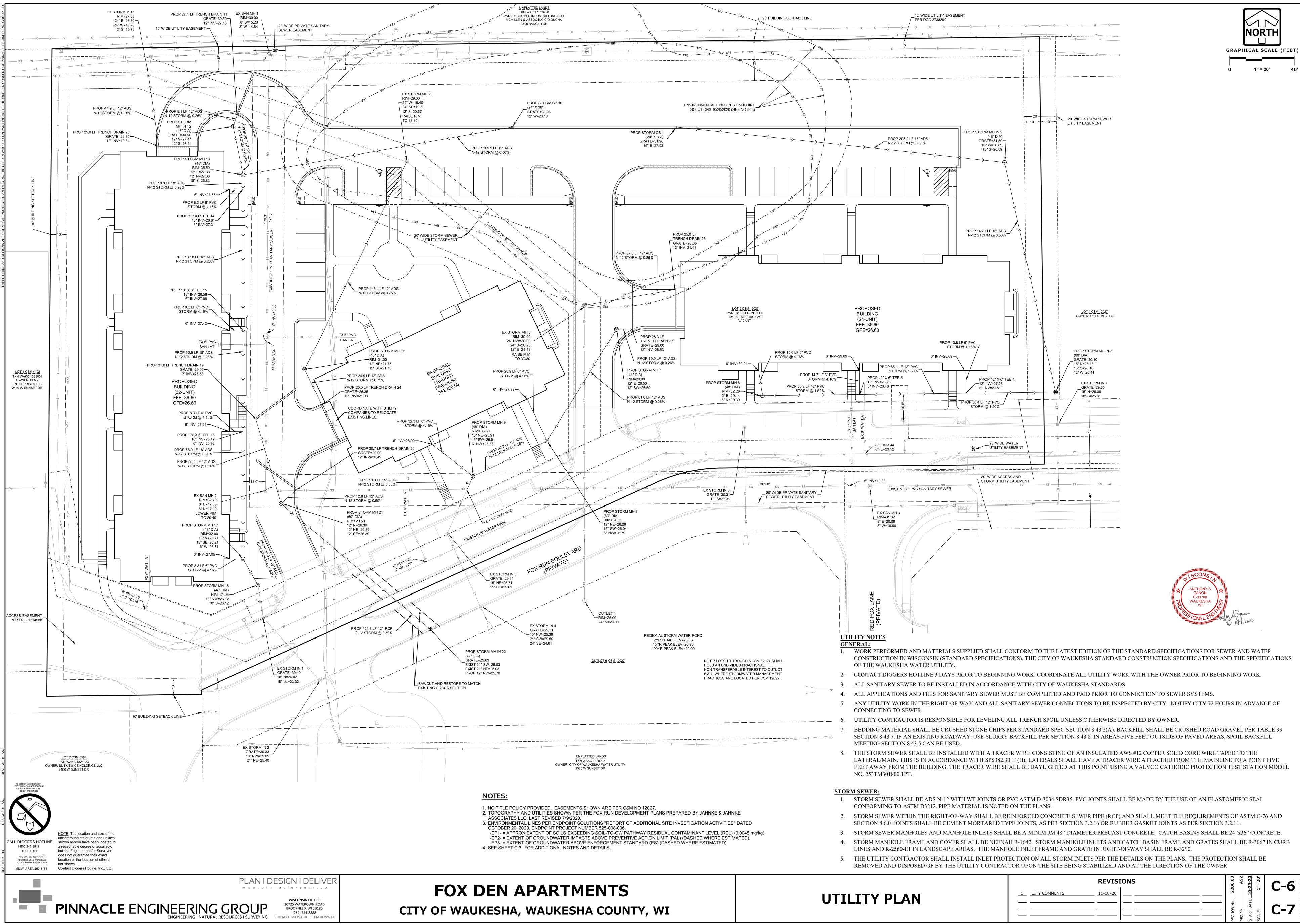




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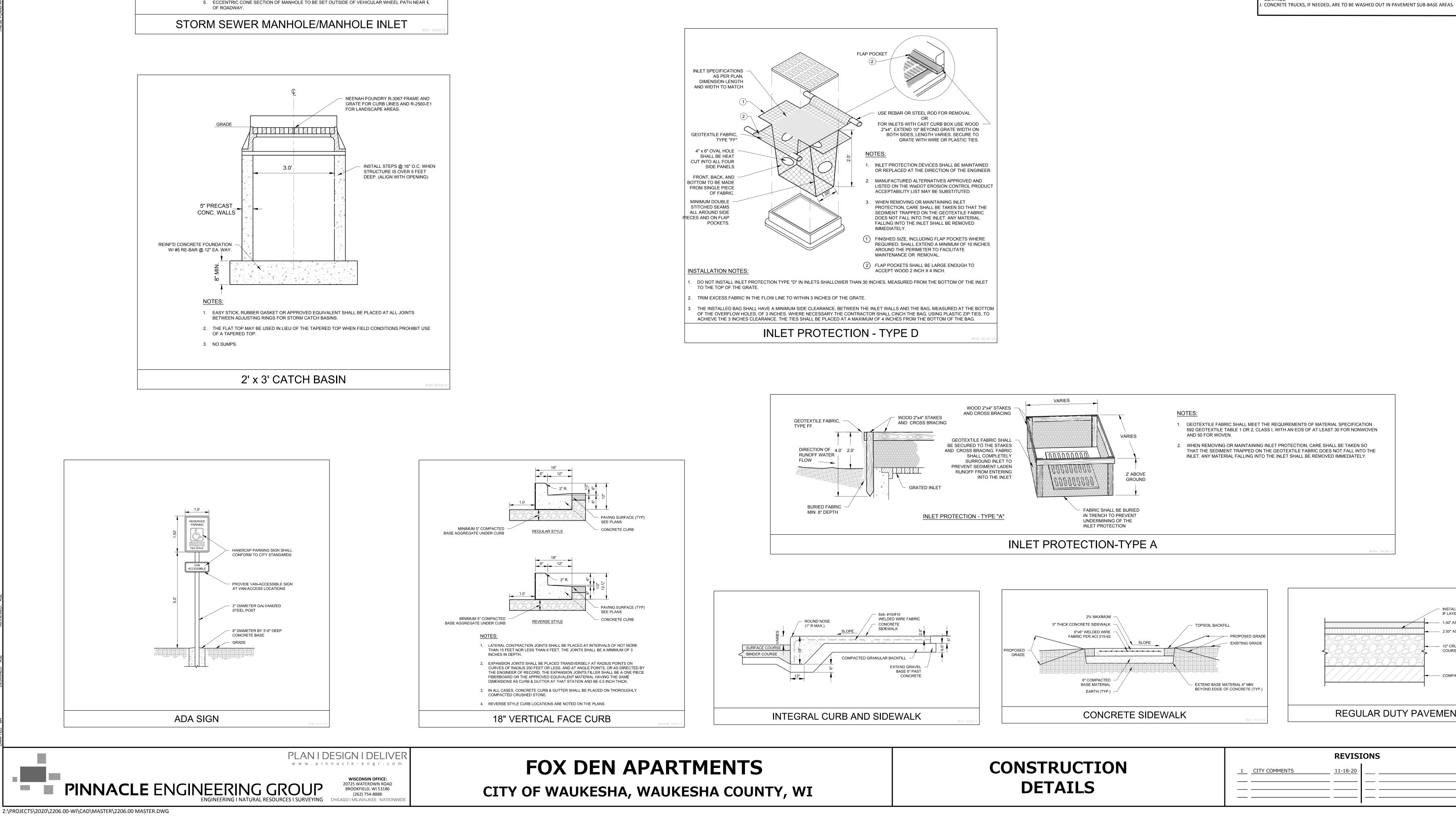
	REVISIONS
UTILITY PLAN	

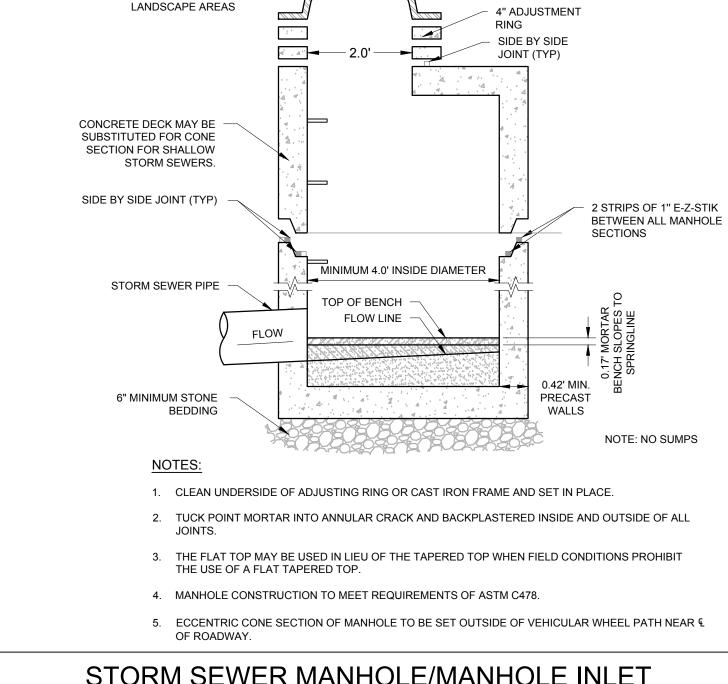
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ເທ PROGRESS

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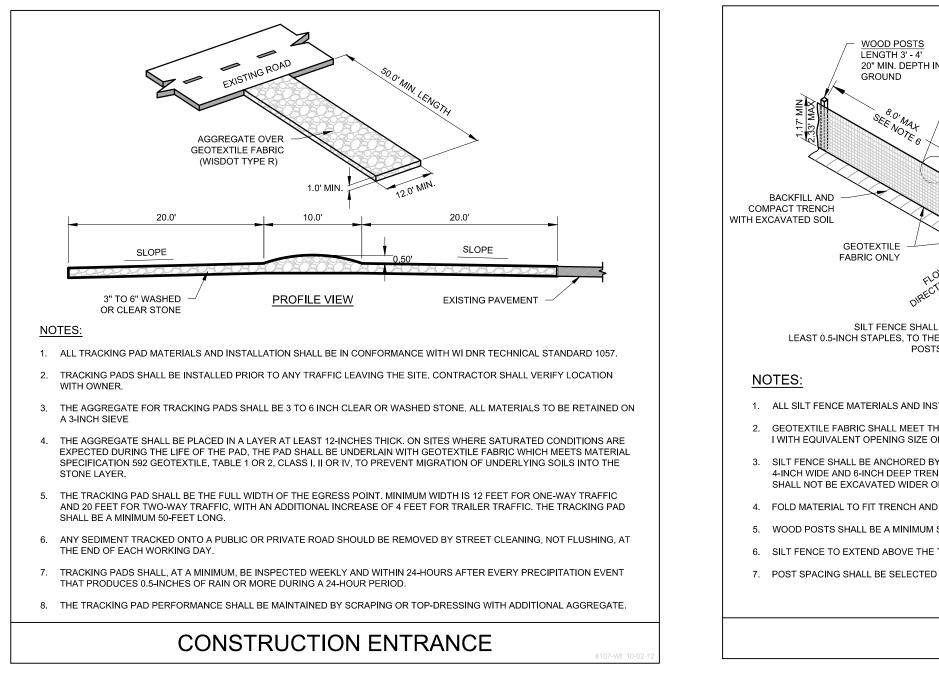
NEENAH FOUNDRY R-1642 WITH VENTED LID

NEENAH R-3067 (CURB LINES) AND R-2560-E1

FRAME AND GRATES FOR MH INLETS IN

(SOLID LID MH)





CONSTRUCTION DETAILS	REVISIONS				
	1 CITY COMMENTS				

6. SILT FENCE TO EXTEND ABOVE THE TOP OF PIPE, WHERE APPLICABLE. 7. POST SPACING SHALL BE SELECTED BASED ON GEOTEXTILE FABRIC (8-FEET FOR WOVEN AND 3-FEET FOR NON-WOVEN). SILT FENCE

SEAM

2. 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 NONWOVEN AND 50 FOR WOVEN. 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 PROPER INSTALLATION. 4. FOLD MATERIAL TO FIT TRENCH AND BACKFILL AND COMPACT TRENCH WITH EXCAVATED SOIL. 5. WOOD POSTS SHALL BE A MINIMUM SIZE OF 1.125-INCHES X 1.125-INCHES OF DRIED OAK OR HICKORY.

BACKS MAY BE REQUIRED IN UNSTABLE TRENCH DETAIL SILT FENCE SHALL BE STAPLED. USING AT LEAST 0.5-INCH STAPLES, TO THE UPSLOPE SIDE OF THE POSTS IN AT LEAST 3 PLACES 1. ALL SILT FENCE MATERIALS AND INSTALLATION SHALL BE IN CONFORMANCE WITH WI DNR TECHNICAL STANDARD 1056.

GEOTEXTILE

FABRIC

FLOW

DIRECTION

EXPRESS -

NOTE: ADDITIONAL POST DEPTH OR TIE

FABRIC

ONSTRUCTION SEQUENCE: INSTALL TRACKING PAD, SILT FENCE AND INLET PROTECTION. 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 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. 3. ROUGH GRADE SITE. 4. INSTALL UTILITIES. . FINISH GRADE SITE. 6. INSTALL STONE. 7. INSTALL CURB & GUTTER AND SIDEWALK. 3. PAVE DRIVES AND PARKING. 9. RESPREAD TOPSOIL, SEED, FERTILIZE AND STABILIZE DISTURBED AREAS. 10.MAINTAIN EROSION CONTROL MEASURES UNTIL THE SITE IS 80% REVEGETATED. THE CONTRACTOR IS TO REMOVE AND DISPOSE OF ALL TEMPORARY EROSION CONTROL MEASURES. RESTORE ANY DISTURBED AREAS DUE TO EROSION CONTROL MEASURE REMOVAL. ESTIMATED START DATE: FEBRUARY 2021 ESTIMATED COMPLETION DATE: OCTOBER 2021 ESTIMATED DISTURBED AREA: 3.7 ACRES GRADING & EROSION CONTROL NOTES: ALL CONSTRUCTION PRACTICES TO COMPLY WITH THE CITY OF WAUKESHA, WISCONSIN DNR AND THE WISCONSIN DNR TECHNICAL STANDARDS. 3. DISTURBED AREAS SHALL BE TOPSOILED (4" THICK), SEEDED AND MULCHED OR SODDED (SEE LANDSCAPE PLAN). . 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. ALL CONSTRUCTION TRAFFIC IS TO ENTER/EXIT THE SITE OVER THE TRACKING PAD FROM FOX RUN BOULEVARD. THE TRACKING PAD IS PER WISCONSIN DNR TECHNICAL STANDARD 1057. ALL PRIVATE AND PUBLIC STREETS ARE TO BE KEPT CLEAN AT ALL TIMES. NO CONSTRUCTION ACCESS FROM ANY OTHER PUBLIC ROADS. 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. 3. ANY DEWATERING THAT MAYBE REQUIRED DUE TO CONSTRUCTION SHALL BE COMPLETED SO THAT THE WATER IS PUMPED INTO A TYPE II GEOTEXTILE BAG ON THE UPSLOPE SIDE OF THE SILT FENCE. THE 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. . 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.



Ш S PROGRESS



 INSTALL TACK COAT PER WDOT SPECIFICATIONS IF LAYERS ARE NOT INSTALLED AT THE SAME TIME. 1.50" ASPHALT SURFACE COURSE (4MT 58-28 S (12.5MM)) 2.50" ASPHALT BINDER COURSE (3MT 58-28 S (19MM)) 10" CRUSHED 1.25" AGGREGATE BASE COURSE (COMPACTED) COMPACTED SUBGRADE 							
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 	EG JOB No. 2206.00	EG PM ASZ TART DATE 10-29-20	CALE N.T.S.	C- C-	-7 -7		こうとう