

RECLAMATION PLANS FOR:
EAU CLAIRE RIVER, LLC
VILLAGE OF KRONENWETTER, MARATHON COUNTY, WISCONSIN

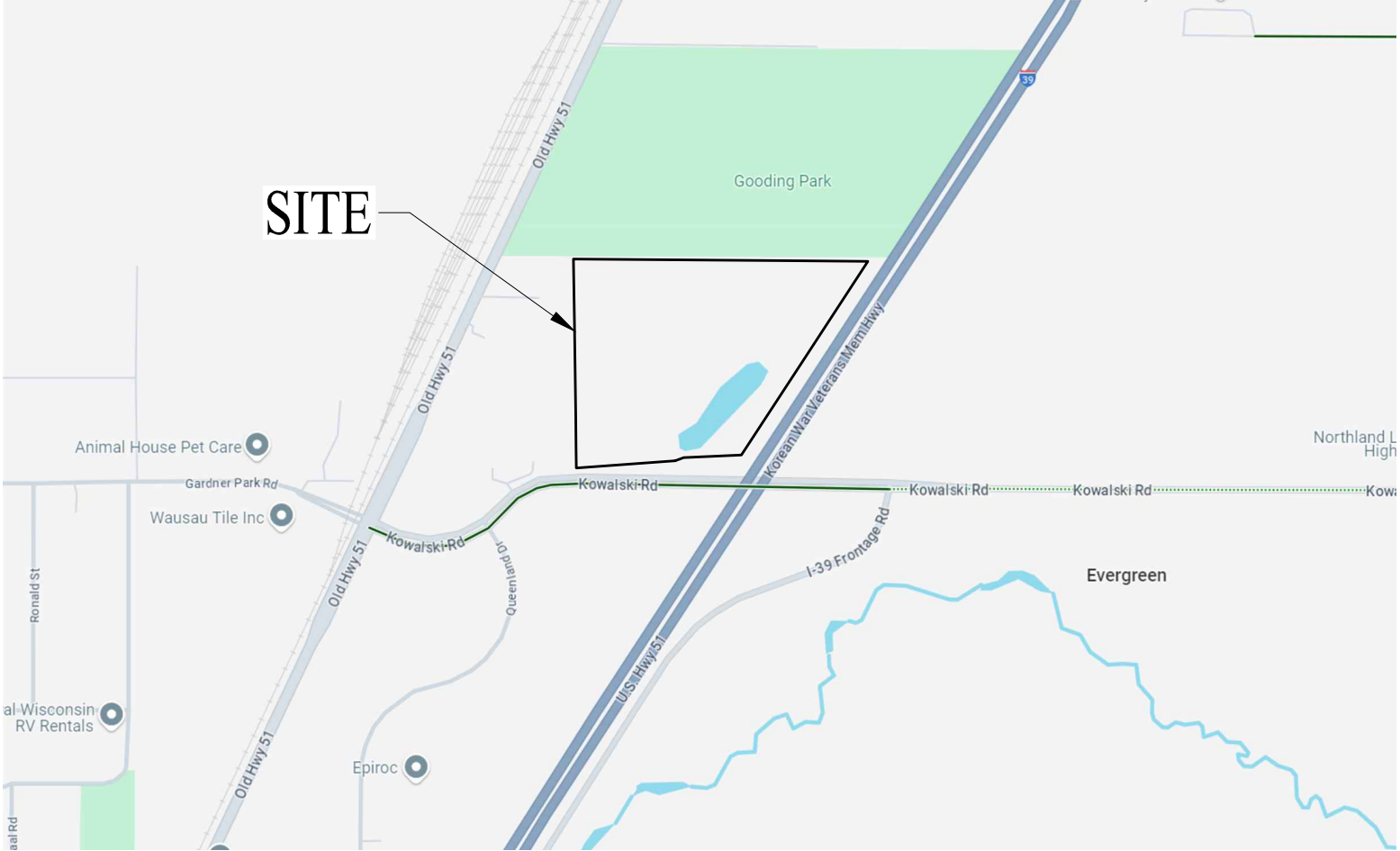
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SHEET 900	SITE SPECIFICATIONS

TOTAL SHEETS = 8

LIST OF STANDARD ABBREVIATIONS

&	AND
AB	AUGER BORING
ADT	AVERAGE DAILY TRAFFIC
BC	BOTTOM OF CURB
BM	BENCHMARK
BOC	BACK OF CURB
BR	BOTTOM OF RAMP
BS	BOTTOM OF STEPS
BW	BOTTOM OF WALL
CB	CATCH BASIN
CMAC	CORRUGATED METAL ARCH CULVERT
CMBC	CORRUGATED METAL BOX CULVERT
CMP	CORRUGATED METAL PIPE
CO	CLEANOUT
CONC.	CONCRETE
CPP	CORRUGATED PLASTIC PIPE
DGB	DENSE GRADED BASE
DIP	DUCTILE IRON PIPE
D/S	DOWNSTREAM
(E)	EAST
ELEV.	ELEVATION
EOG	EDGE OF GRAVEL
FFE	FINISHED FLOOR ELEVATION
FG	FINISH GRADE
F.O.	FIBER OPTIC
INL	INLET
HDPE	HIGH DENSITY POLYETHYLENE PIPE
HMA	HOT MIX ASPHALT
HP	HIGH POINT
IE	INVERT ELEVATION
LF	LINEAL FEET
LP	LOW POINT
MEG	MATCH EXISTING GRADE
MH	MANHOLE
(N)	NORTH
(NE)	NORTHEAST
(NW)	NORTHWEST
OH	OVERHEAD
PC	POINT OF CURVATURE
PE	POLYETHYLENE PIPE
P/L	PROPERTY LINE
PP	POWER POLE
PT	POINT OF TANGENCY
PVC	POLYVINYL CHLORIDE PIPE
RCB	REINFORCED CONCRETE BOX CULVERT
RCP	REINFORCED CONCRETE PIPE
RR	RAIL ROAD
R/W	RIGHT OF WAY
(S)	SOUTH
SAN	SANITARY SEWER
SB	SOIL BORING
SS	STORM SEWER
STM	STORM
(SW)	SOUTHWEST
TC	TOP OF CURB
TBR	TO BE REMOVED
TLE	TEMPORARY LIMITED EASEMENT
TNH	TOP NUT FIRE HYDRANT
TP	TEST PIT
TR	TOP OF RAMP
TYP.	TYPICAL
TS	TOP OF STEPS
TW	TOP OF WALL
U/S	UPSTREAM
VAR.	VARIES
(W)	WEST

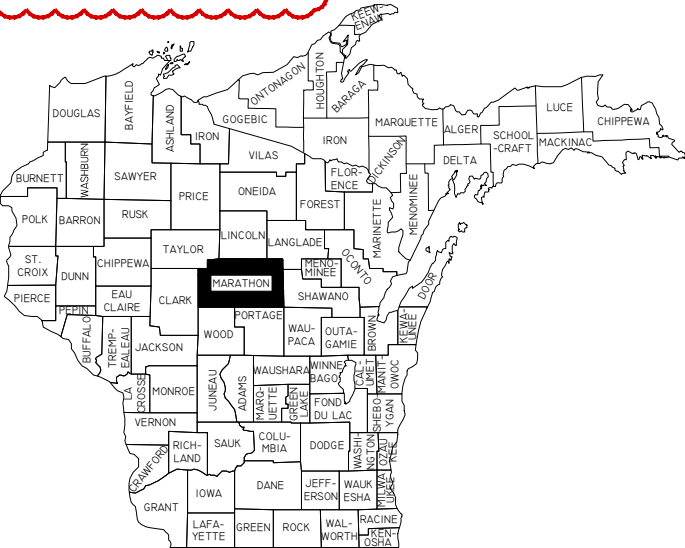


TOLL FREE: 811 OR (800) 242-8511
HEARING IMPAIRED: TDD (800)542-2289
EMERGENCY ONLY: (877) 500-9592
WWW.DIGGERSHOTLINE.COM

TITLE WORK REQUIRED
TITLE WORK FOR THE PROJECT SITE
WAS NOT PROVIDED TO REI FOR
REVIEW, THEREFORE REI WAS
UNABLE TO VERIFY THE EXISTENCE
OF EASEMENTS OR USE
ENCUMBRANCES.

INFORMATION SHOWN WITH RESPECT TO EXISTING UNDERGROUND FACILITIES IS BASED ON INFORMATION AND DATA FURNISHED BY THE OWNER OF SUCH UNDERGROUND FACILITIES. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE EXACT LOCATIONS OF ALL UNDERGROUND FACILITIES PRIOR TO COMMENCING ANY WORK. IT IS ALSO THE CONTRACTOR'S RESPONSIBILITY TO TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING UTILITY FACILITIES.

**NOT FOR
CONSTRUCTION**



LEGEND	
	BENCHMARK
	1" IRON BAR
	EXISTING MANHOLE
	EXISTING TELEPHONE MANHOLE
	EXISTING STORM SEWER MANHOLE
	EXISTING SANITARY SEWER MANHOLE
	EXISTING HYDRANT
	EXISTING WATER VALVE
	EXISTING UTILITY POLE
	EXISTING LIGHT POLE
	EXISTING WATER SHUTOFF
	EXISTING DECIDUOUS TREE
	EXISTING CONIFEROUS TREE
	EXISTING GAS VALVE
	EXISTING CURB INLET
	EXISTING WELL
	TEST PIT LOCATION
	SOIL BORING
	EXISTING AIR CONDITIONING UNIT
	EXISTING GAS METER
	EXISTING ELECTRIC METER
	EXISTING UTILITY PEDESTAL
	EXISTING RAILROAD TRACKS
	EXISTING TREE LINE
	EXISTING GUY POLE
	EXISTING CABLE TV
	EXISTING FIBER OPTIC CABLE
	EXISTING UNDERGROUND GAS
	EXISTING UNDERGROUND ELECTRIC
	EXISTING UNDERGROUND TELEPHONE
	EXISTING OVERHEAD UTILITIES
	EXISTING WATER MAIN
	EXISTING STORM SEWER
	EXISTING SANITARY SEWER
	EXISTING PROPERTY LINE
	PROPOSED HANDICAP PARKING
	PROPOSED CURB STOP
	PROPOSED HYDRANT
	PROPOSED WATER VALVE
	PROPOSED SANITARY SEWER
	PROPOSED STORM SEWER
	PROPOSED FORCE MAIN
	PROPOSED SANITARY SEWER LATERAL
	PROPOSED WATER LATERAL
	PROPOSED WATER MAIN
	PROPOSED PUMP STATION
	PROPOSED SANITARY MANHOLE
	PROPOSED STORM MANHOLE
	PROPOSED CURB INLET
	PROPOSED CATCH BASIN
	PROPOSED CLEANOUT
	PROPOSED DRAINAGE FLOW
	PROPOSED SLOPE
	PROPOSED CURB & GUTTER
	PROPOSED REJECT CURB & GUTTER
	PROPOSED MOUNTABLE CURB & GUTTER
	EXISTING GROUND CONTOUR (INTERVAL -1 FT.)
	PROPOSED GROUND CONTOUR (INTERVAL -1 FT.)
	PROPOSED SPOT ELEVATION (TOP OF CURB)
	PROPOSED SPOT ELEVATION (BOTTOM OF CURB)
	PROPOSED SILT FENCE
	PROPOSED INLET PROTECTION
	PROPOSED RIPRAP
	PROPOSED EROSION MAT
	PROPOSED SAWCUT
	PROPOSED DRAINAGE SWALE

OWNER:
EAU CLAIRE RIVER, LLC

SURVEYOR:
REI ENGINEERING, INC.
4080 N. 20TH AVENUE
WAUSAU, WI 54401
(715) 675-9784

ENGINEER:
REI ENGINEERING, INC.
4080 N. 20TH AVENUE
WAUSAU, WI 54401
(715) 675-9784
PROJECT MANAGER
DAN D. DETERT

APPROVING AUTHORITIES:
VILLAGE OF KRONENWETTER
MARATHON COUNTY
WDNR

REI Engineering, INC.
4080 N. 20TH AVENUE
WAUSAU, WISCONSIN 54401
PHONE: 715.675.9784 FAX: 715.675.4060
EMAIL: MAIL@REIENGINEERING.COM



**CIVIL & ENVIRONMENTAL
ENGINEERING, SURVEYING**

NO SCALE



DATE	REVISION	BY	CHKD	SURVEYED BY:	DESIGNED BY: GSW	SURVEY DATE:
				SURVEY CHKD BY:	CIVIL CHKD BY: JJB	CIVIL DATE: 5/7/2026
				SURVEY APVD BY:	CIVIL APVD BY: JJB	DRAWN BY: TAW

TITLE SHEET
EAU CLAIRE RIVER, LLC
1320 KOWALSKI ROAD
KRONENWETTER, WI

REI
REI No. 11280
SHEET 001

DRAWING FILE: Q:\11200-11299\11280 - PGA - KOWALSKI ROAD\DRAWING\PLANS\PLANS-2026\11280-C001-TITLE-2026.DWG LAYOUT: 001
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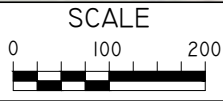
- NOTES**
- EXISTING CONTOURS WERE DERIVED FROM COUNTY LIDAR DATA.
 - AERIAL OBTAINED FROM GOOGLE EARTH DATED 05/14/23.

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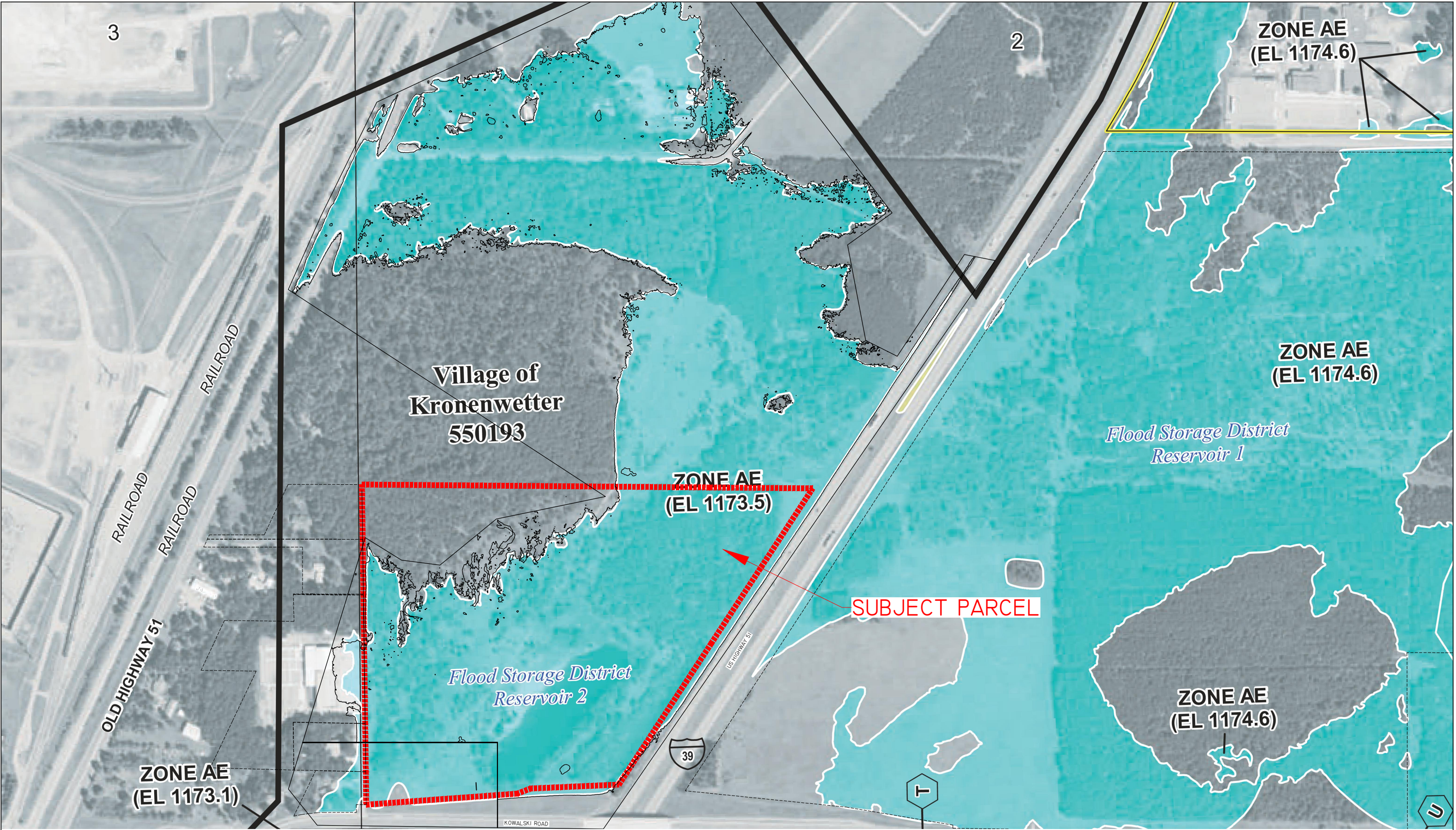


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				SURVEY CHKD BY:	CIVIL CHKD BY:JJB	CIVIL DATE: 5/7/2026
				SURVEY APVD BY:	CIVIL APVD BY:JJB	DRAWN BY: NAP

EXISTING SITE CONDITIONS
EAU CLAIRE RIVER, LLC
1320 KOWALSKI ROAD
KRONENWETTER, WI

REI
REI No. 11280
SHEET 010

DRAWING FILE: Q:\11200-11299\11280 - PGA - KOWALSKI ROAD\DRAWING\PLANS-2026\11280-C020-Flood Storage-2026.dwg LAYOUT: 020
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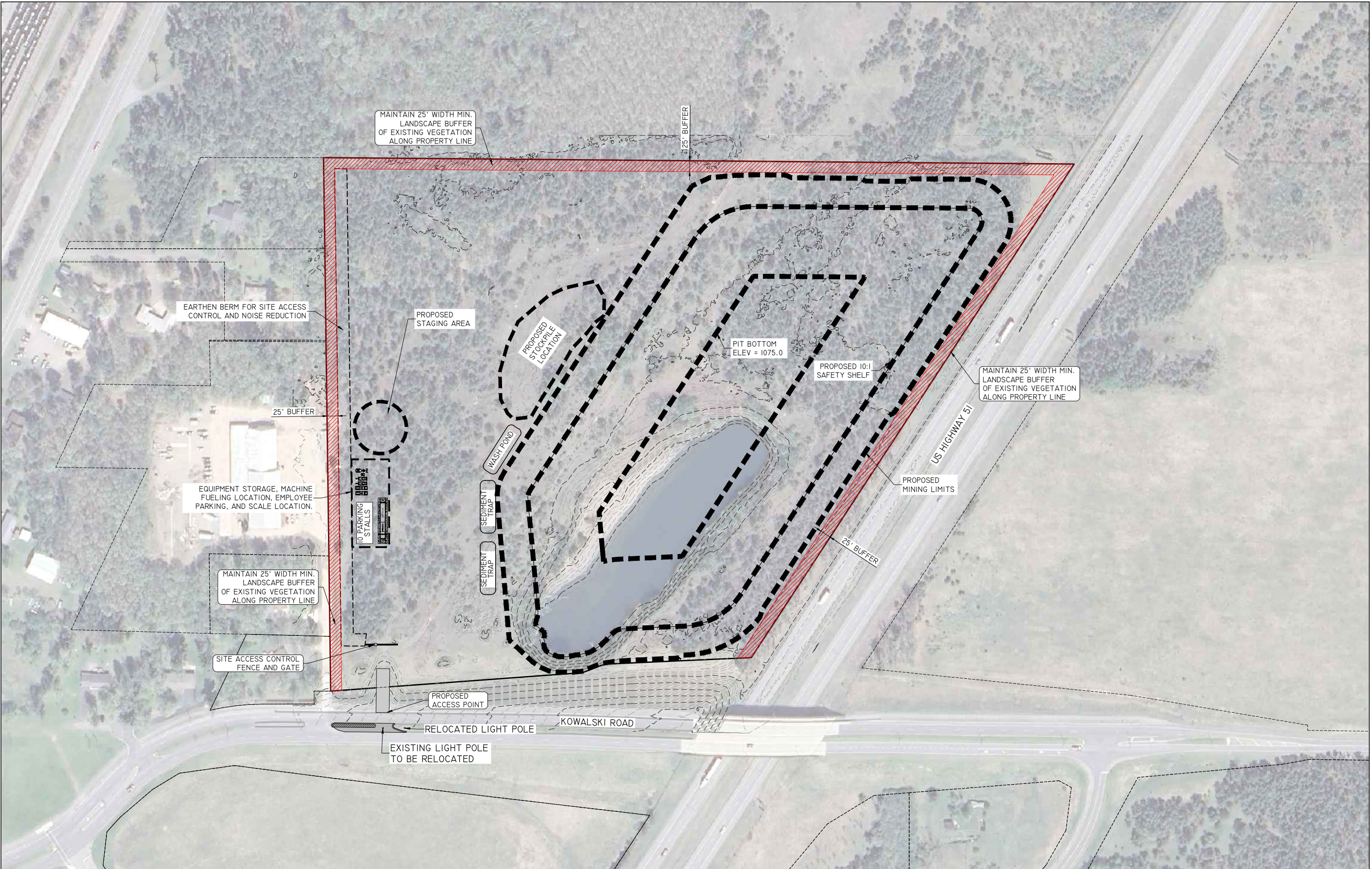


Cut/Fill Summary

Name	Cut Factor	Fill Factor	2d Area	Cut	Fill	Net
Reservior 2 Flood Storage	1.000	1.000	4936593.07 Sq. Ft.	140900.58 Cu. Yd.	347769.14 Cu. Yd.	206868.55 Cu. Yd.<Fill>
Totals			4936593.07 Sq. Ft.	140900.58 Cu. Yd.	347769.14 Cu. Yd.	206868.55 Cu. Yd.<Fill>

RESERVOIR 2 FLOOD STORAGE
347,769 CY / 1613.333 = 215.56 AC-FT

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SCALE
0 100 200



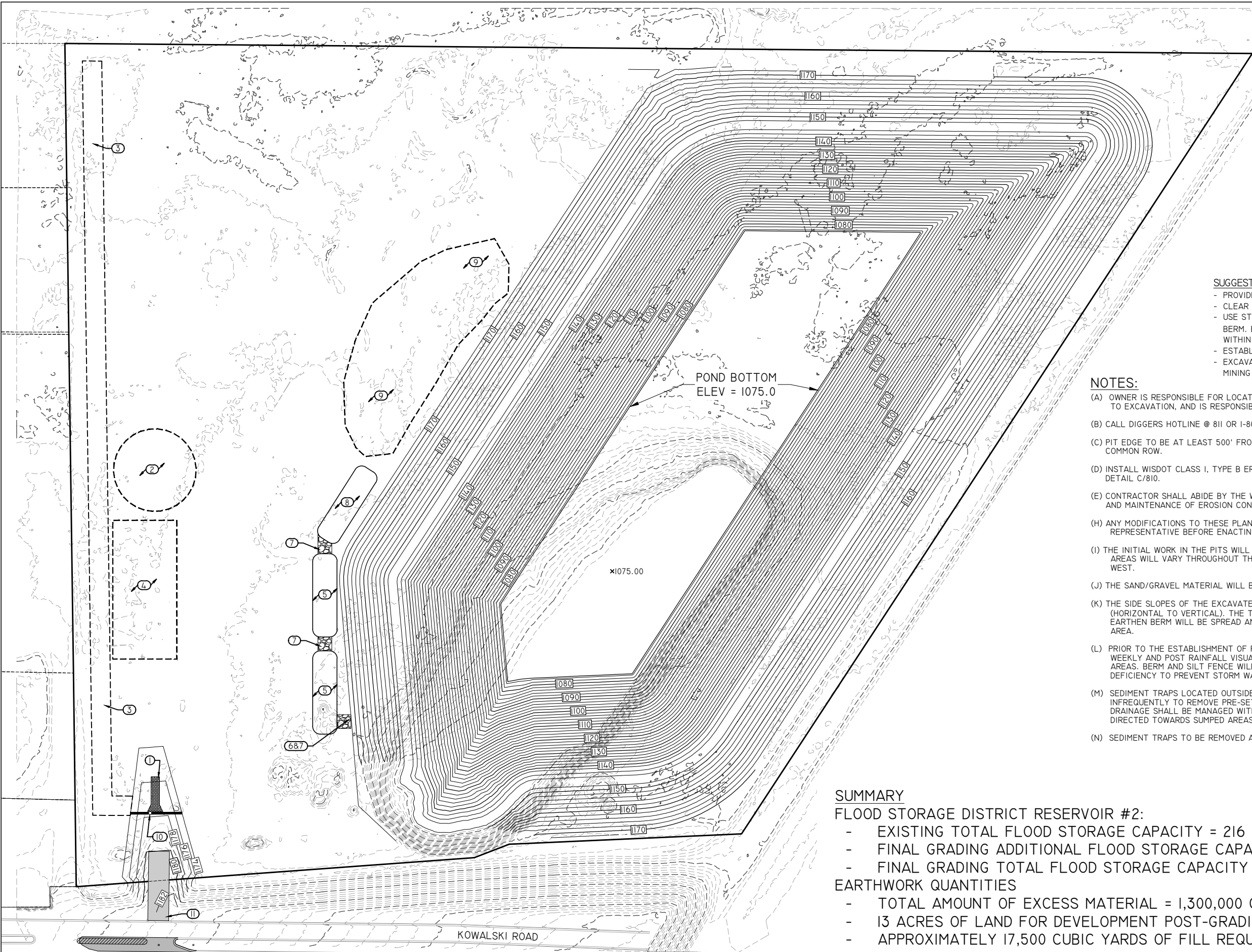
DATE	REVISION	BY	CHKD

SURVEYED BY:	DESIGNED BY: GSW	SURVEY DATE:
SURVEY CHKD BY:	CIVIL CHKD BY: JJB	CIVIL DATE: 5/7/2026
SURVEY APVD BY:	CIVIL APVD BY: JJB	DRAWN BY: TAW

SITE PLAN
EAU CLAIRE RIVER, LLC
1320 KOWALSKI ROAD
KRONENWETTER, WI

REI
REI No. 11280
SHEET 100

DRAWING FILE: Q:\11200-11299\11280 - PGA - KOWALSKI ROAD\DRAWING\PLANS-2026\11280-C200-GRADING-EC-2026.DWG LAYOUT: 200
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○ KEYED NOTES ○

1. TEMPORARY CONSTRUCTION ENTRANCE/EXIT. SEE DETAIL A/810.
2. STAGING AREA.
3. INSTALL EARTHEN BERM AROUND THE PERIMETER OF ANY SURFACE EXPOSED FOR MINING. SEE DETAIL B/810.
4. EQUIPMENT STORAGE, MACHINE FUELING LOCATION, EMPLOYEE PARKING, AND SCALE LOCATION.
5. CONSTRUCT TEMPORARY SEDIMENT TRAPS (APPROXIMATE LOCATION DEPICTED). SEE DETAIL E/810 AND DETAIL F/810.
6. SEDIMENT TRAP STONE OUTLET AND OVERFLOW WEIR. SEE DETAIL D/810.
7. LIGHT RIPRAP ON TYPE R FABRIC. SEE DETAIL D/810.
8. PROPOSED WASH POND LOCATION.
9. PROPOSED STOCKPILE LOCATIONS.
10. ACCESS GATE.
11. PAVED ROAD. (30'x100')

SUGGESTED SEQUENCING:

- PROVIDE CONSTRUCTION ACCESS
- CLEAR AND GRUB SITE TO FACILITATE OPERATIONS
- USE STRIPPED TOP SOIL FROM EACH PHASE TO CREATE EARTHEN BERM. BERMS TO BE SEEDED AND MULCHED (WHERE NECESSARY) WITHIN 2 WEEKS OF BERM CREATION.
- ESTABLISH SEDIMENT TRAP
- EXCAVATION AND MINING RECLAMATION FOLLOWING COMPLETION OF MINING OPERATIONS

NOTES:

- (A) OWNER IS RESPONSIBLE FOR LOCATING & VERIFYING ALL EXISTING UNDERGROUND UTILITIES PRIOR TO EXCAVATION, AND IS RESPONSIBLE FOR ANY DAMAGE TO THEM DURING EXCAVATION.
- (B) CALL DIGGERS HOTLINE @ 811 OR 1-800-242-8511 AT LEAST 3 WORKING DAYS PRIOR TO EXCAVATING.
- (C) PIT EDGE TO BE AT LEAST 500' FROM RIVERS EDGE, 10 FEET FROM WETLANDS, AND 30 FEET FROM COMMON ROW.
- (D) INSTALL WISDOT CLASS I, TYPE B EROSION MAT ON ALL REVEGETATED SLOPES 4:1 OR GREATER. SEE DETAIL C/810.
- (E) CONTRACTOR SHALL ABIDE BY THE WDNR CONSERVATION PRACTICE STANDARDS FOR INSTALLATION AND MAINTENANCE OF EROSION CONTROL.
- (H) ANY MODIFICATIONS TO THESE PLANS MUST BE BROUGHT TO THE ATTENTION OF THE WDNR REPRESENTATIVE BEFORE ENACTING THE MODIFICATIONS.
- (I) THE INITIAL WORK IN THE PITS WILL START IN THE NORTHEAST CORNER. STAGING AND STORAGE AREAS WILL VARY THROUGHOUT THE USE OF THE PIT. WORK WILL CONTINUE TO THE SOUTH AND WEST.
- (J) THE SAND/GRAVEL MATERIAL WILL BE EXCAVATED TO APPROXIMATE ELEVATION OF 1075.
- (K) THE SIDE SLOPES OF THE EXCAVATED AREA OF THE PIT WILL BE FINISHED AT 4:1 MAXIMUM SLOPES (HORIZONTAL TO VERTICAL). THE TOPSOIL THAT WILL BE STRIPPED AND USED TO CREATE THE EARTHEN BERM WILL BE SPREAD AND REVEGETATED WITH GRASSES THAT ARE NATURAL TO THE AREA.
- (L) PRIOR TO THE ESTABLISHMENT OF PERENNIAL VEGETATION ON THE EARTHEN BERM AT THE SITE, WEEKLY AND POST RAINFALL VISUAL INSPECTIONS WILL BE CONDUCTED TO IDENTIFY ANY PROBLEM AREAS. BERM AND SILT FENCE WILL BE REPAIRED WITHIN 24 HOURS OF THE DISCOVERY OF THE DEFICIENCY TO PREVENT STORM WATER DISCHARGE.
- (M) SEDIMENT TRAPS LOCATED OUTSIDE THE PERIMETER OF THE MINING AREA WILL BE UTILIZED INFREQUENTLY TO REMOVE PRE-SETTLED EXCESS WATER FROM THE INTERIOR MINING AREA. DRAINAGE SHALL BE MANAGED WITHIN THE MINING AREA BY CREATING TEMPORARY SWALES DIRECTED TOWARDS SUMPED AREAS AND THEN PUMPED INTO THE SEDIMENT TRAPS.
- (N) SEDIMENT TRAPS TO BE REMOVED AND RESTORED DURING RECLAMATION.

SUMMARY

FLOOD STORAGE DISTRICT RESERVOIR #2:

- EXISTING TOTAL FLOOD STORAGE CAPACITY = 216 ACRE-FEET
- FINAL GRADING ADDITIONAL FLOOD STORAGE CAPACITY = 268.5 ACRE-FEET
- FINAL GRADING TOTAL FLOOD STORAGE CAPACITY = 484.5 ACRE-FEET

EARTHWORK QUANTITIES

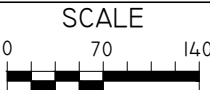
- TOTAL AMOUNT OF EXCESS MATERIAL = 1,300,000 CUBIC YARDS
- 13 ACRES OF LAND FOR DEVELOPMENT POST-GRADING
- APPROXIMATELY 17,500 CUBIC YARDS OF FILL REQUIRED TO REACH THE 1173.5 GRADE

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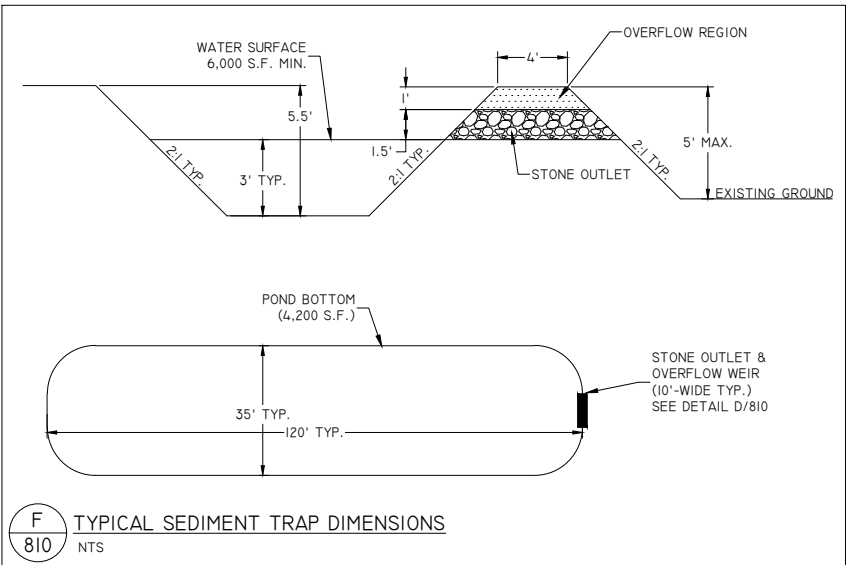
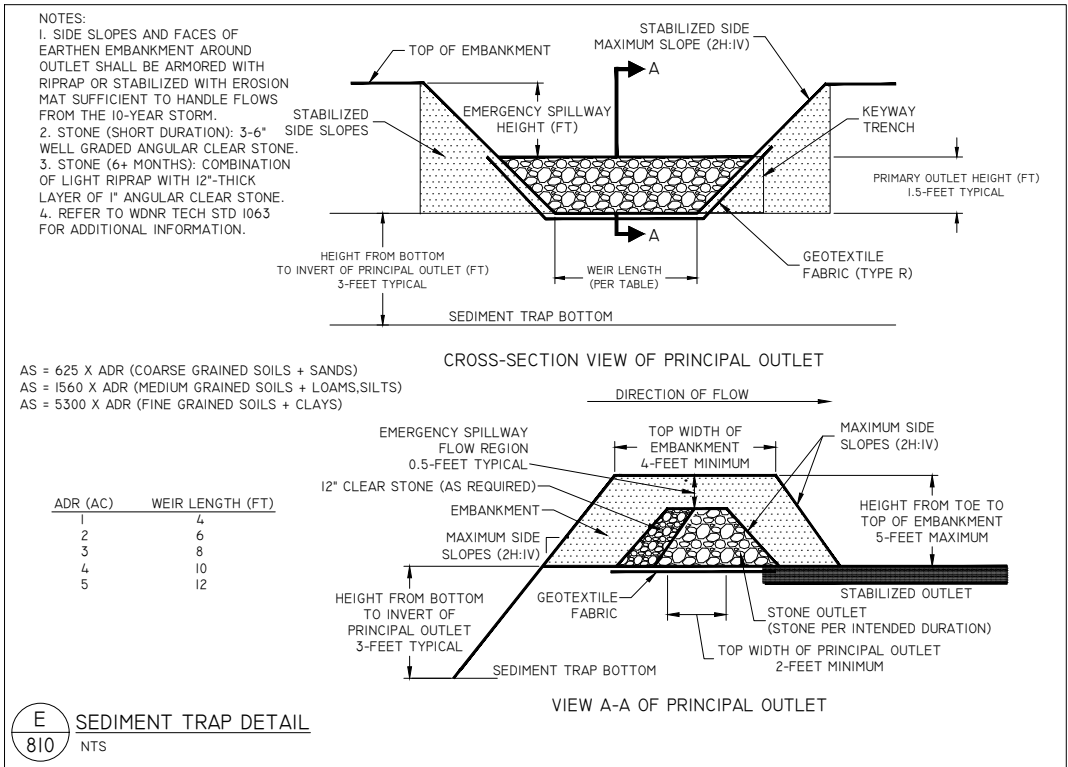
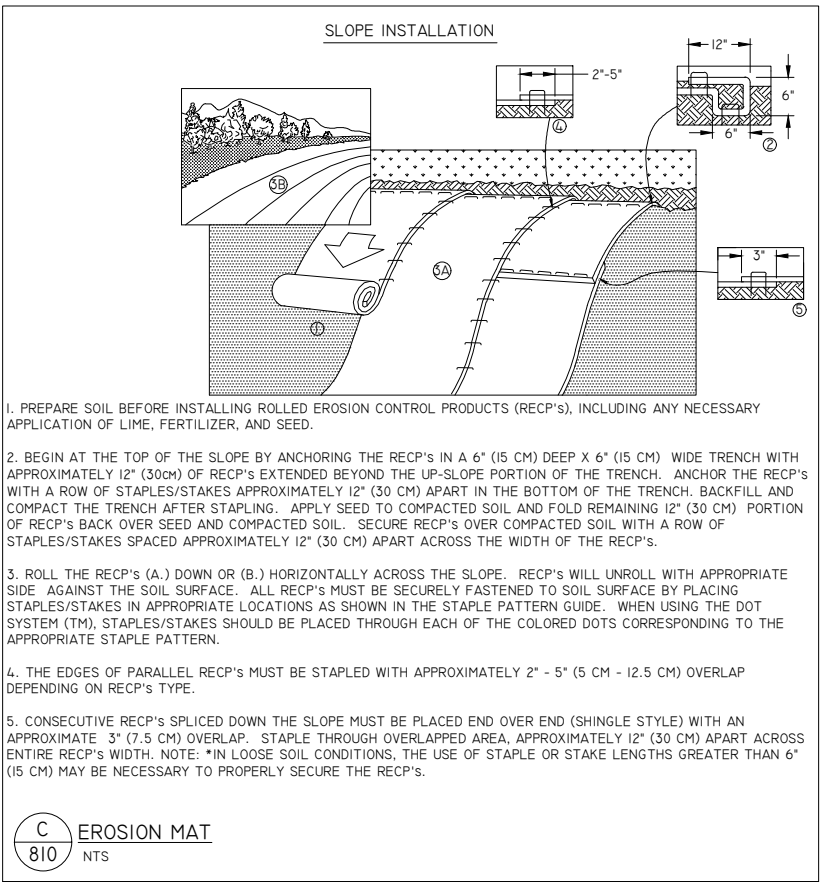
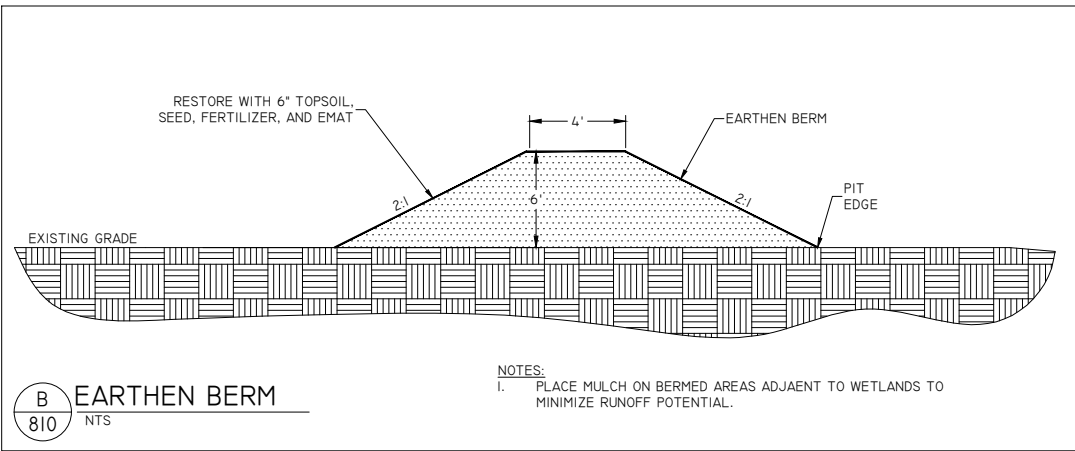
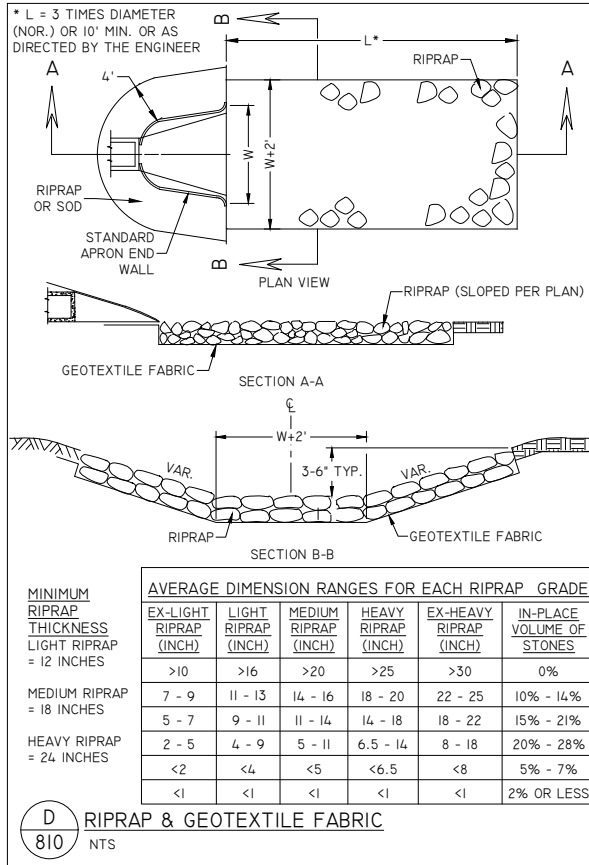
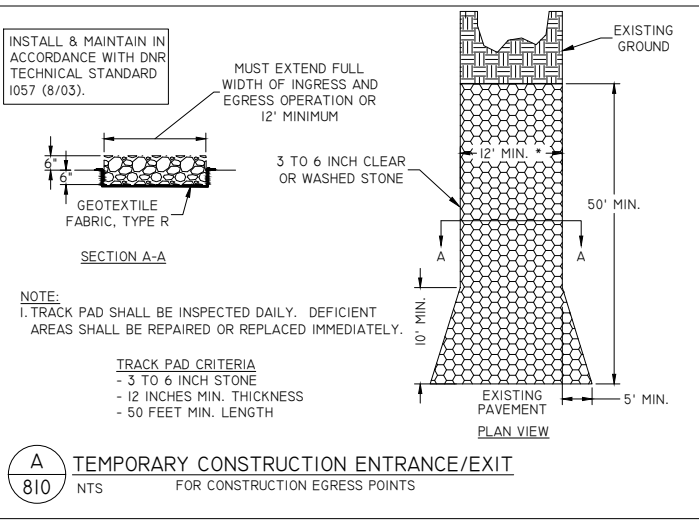
GRADING & EROSION CONTROL PLAN

EAU CLAIRE RIVER, LLC
1320 KOWALSKI ROAD
KRONENWETTER, WI



REI No. 11280
SHEET 200

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ENGINEERING, SURVEYING**

NO SCALE

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				SURVEY APVD BY:	CIVIL APVD BY:JJB	DRAWN BY: NAP

EROSION CONTROL DETAILS
EAU CLAIRE RIVER, LLC
1320 KOWALSKI ROAD
KRONENWETTER, WI

REI
REI No. 11280
SHEET 810

GENERAL NOTES/SPECIFICATIONS

1. OWNER SHALL KEEP ALL PUBLIC ROADS CLEAN DURING THE MINING OPERATION.
2. ALWAYS FOLLOW WRITTEN DIMENSIONS. DO NOT SCALE. IF DISCREPANCY EXISTS, CONTACT THE ENGINEER.
3. REMOVE ALL TREES WITHIN THE GRADING LIMITS, INCLUDING ROOT STRUCTURES, EXCEPT THOSE SPECIFICALLY NOTED TO REMAIN AND THOSE ON PROPERTY LINES. DO NOT CLEAR SITE PRIOR TO COORDINATING WITH THE OWNER TO LOCATE ALL TREES TO REMAIN.
4. PROTECT TREES, UTILITY POLES, ABOVE AND BELOW GRADE UTILITIES, AND OTHER FEATURES THAT ARE TO REMAIN. THE REPAIR OF ANY DAMAGE TO FEATURES TO REMAIN IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR WITH NO PAYMENT DUE FOR SUCH REPAIRS.
5. PROTECT ABOVE AND BELOW GRADE UTILITIES THAT ARE TO REMAIN.
6. PROTECT BENCHMARKS, REFERENCE SURVEY POINTS AND OTHER PROVIDED CONSTRUCTION STAKES.
7. CALL DIGGER'S HOTLINE @ 811 OR 1-800-242-8511 AT LEAST 3 WORKING DAYS PRIOR TO EXCAVATING.
8. CONTRACTOR IS RESPONSIBLE FOR LOCATING AND VERIFYING ALL EXISTING UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION, AND IS RESPONSIBLE FOR ANY DAMAGE TO THEM DURING CONSTRUCTION.
9. CONTRACTOR IS RESPONSIBLE FOR CONTACTING ALL UTILITY COMPANIES AND COORDINATING ALL PROPOSED UTILITY RUNS, INSTALLATIONS, AND RELOCATIONS.
10. NOTIFY ELECTRIC UTILITY AT LEAST ONE WEEK PRIOR TO WORKING IN AREAS WHERE UTILITY POLES EXIST. UTILITY COMPANY WILL PROTECT POLES AS NECESSARY.
11. DURING CONSTRUCTION THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR INSPECTION AND MAINTENANCE OF THE EROSION CONTROL DEVICES.
12. EROSION CONTROL DEVICES SHALL ABIDE BY THE WDNR CONSTRUCTION SITE EROSION AND SEDIMENT CONTROL STANDARDS. [HTTP://DNR.WI.GOV/TOPIC/STORMWATER/STANDARDS/CONST_STANDARDS.HTML](http://DNR.WI.GOV/TOPIC/STORMWATER/STANDARDS/CONST_STANDARDS.HTML)
13. AFTER FINAL STABILIZATION, ACCUMULATED SEDIMENT SHALL BE REMOVED AND DISPOSED OF LEGALLY OFFSITE.
14. AT A MINIMUM RESTORE SITE BY SEEDING & MULCHING ALL DISTURBED AREAS TO BE VEGETATED AND ENSURE ESTABLISHMENT OF ADEQUATE VEGETATION.
15. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING AND LEGALLY DISPOSING OF ALL EXCESS AND UNUSED MATERIALS FROM THE SITE FOLLOWING COMPLETION OF THEIR WORK.

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