

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	ROCK CUT PHASE 3 - 2023	WINNEBAGO	139	1
		ILLINOIS	CONTRACT NO. 46934	

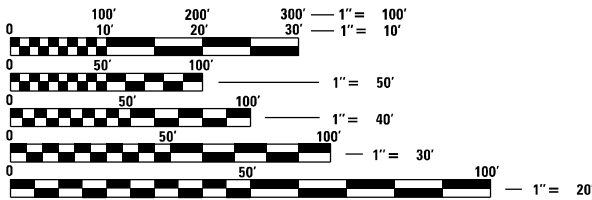
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

FOR INDEX OF SHEETS AND
HIGHWAY STANDARDS, SEE SHEET NO. 2

PROPOSED
HIGHWAY PLANS

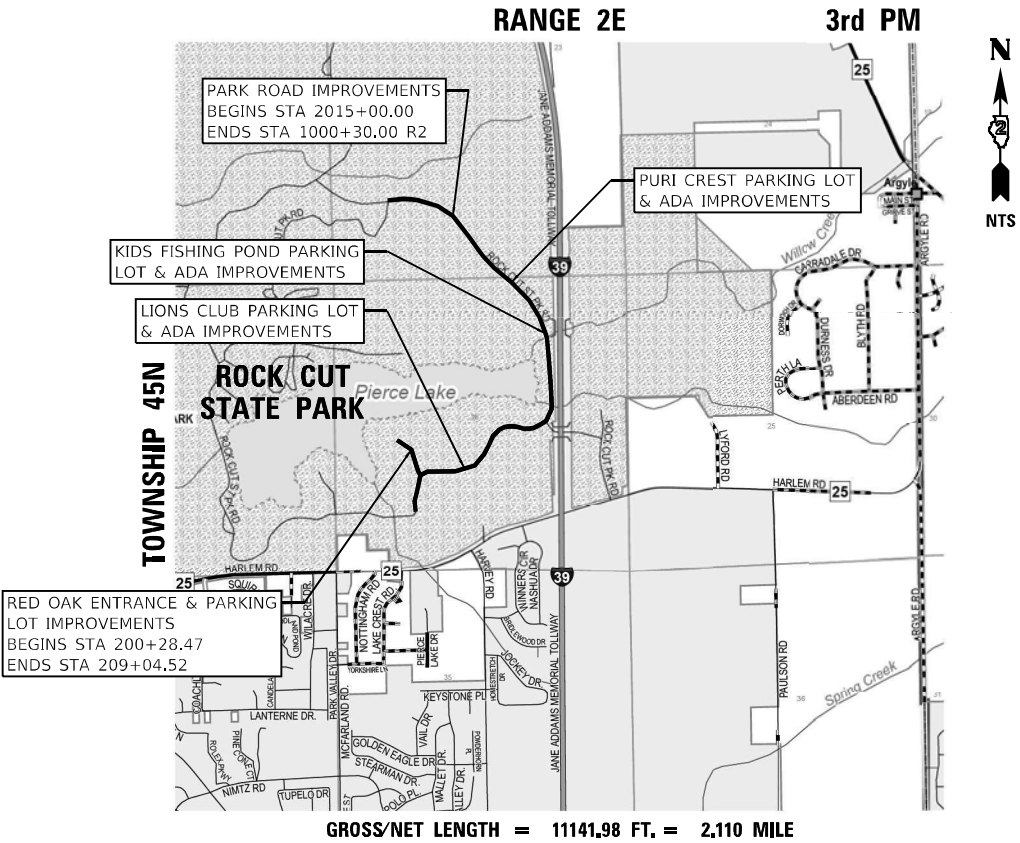
IDOT/IDNR STATEWIDE
ROCK CUT STATE PARK
SECTION ROCK CUT PHASE 3 – 2023
PARK IMPROVEMENTS
WINNEBAGO COUNTY

IDNR FILE NO. 1-20-040B
C-30-002-23



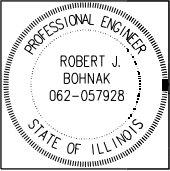
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD
ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT
CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS
ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATORS
1-800-892-0123
OR 811



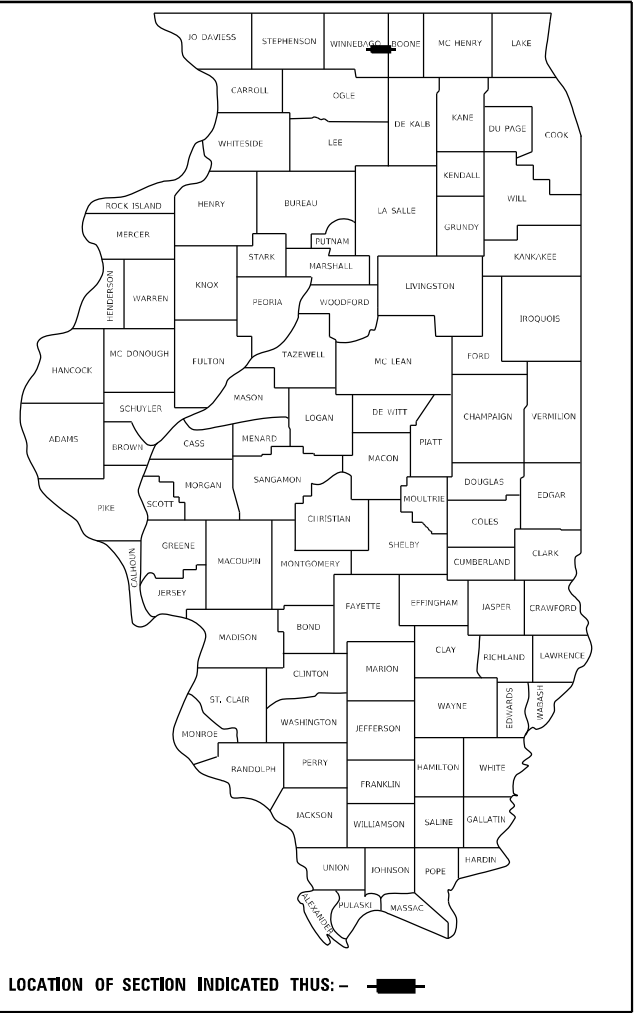
GROSS/NET LENGTH = 11141.98 FT. = 2.110 MILE

CONTRACT NO. 46934



SEPTEMBER 13 2022
ROBERT J. BOHNAK
ILLINOIS REG. PROFESSIONAL ENGINEER NO. 062-057928
EXPIRATION DATE 11-30-2023

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184.004773
20-5080586



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
SUBMITTED 10-14-2022
REGIONAL ENGINEER
October 14, 2022
ENGINEER OF DESIGN AND ENVIRONMENT
October 14, 2022
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

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602301-04	INLET TYPE A
602701-02	MANHOLE STEPS
641006-01	SIGHT SCREEN WOOD PLANK FENCE TYPE P
664001-02	CHAIN LINK FENCE
701901-08	TRAFFIC CONTROL DEVICES
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720006-04	SIGN PANEL ERECTION DETAILS
728001-01	TELESCOPING STEEL SIGN SUPPORT
780001-05	TYPICAL PAVEMENT MARKINGS
BLR 21-9	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS

MODEL: Default
FILE NAME: P119-1005-10 Rock Cut State Park0 IDOT\2023 Sheets\CONTRACT 21D746930\index_01.dgn



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1/12/2016 10:51
314.367.715
20-1089596

	DESIGNED - BCD	REVISED -
	DRAWN - KKH	REVISED -
PLOT SCALE = 2.0000 ' / in.	CHECKED - LDC	REVISED -
PLOT DATE = 9/13/2022	DATE - 9/12/22	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS & HIGHWAY STANDARDS ROCK CUT STATE PARK			
SCALE:	SHEET 1	OF 1 SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	ROCK CUT PHASE 3 - 2023	WINNEBAGO	139	2
				CONTRACT NO. 46934
		ILLINOIS	FED. AID PROJECT	

REV. 10/31/22

GENERAL NOTES

1. SPECIFICATIONS SHALL BE THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED APRIL 1, 2022.
2. THE CONTRACTOR SHALL ASSUME COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND THAT THE CONTRACTOR SHALL DEFEND, IDENMIFY, AND HOLD THE OWNER AND THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPT FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR THE ENGINEER.
3. WHERE SECTION STONES OR PROPERTY MARKERS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH STONES OR MARKERS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND PRESERVE ALL PROPERTY MARKERS UNTIL AN OWNER OR AUTHORIZED SURVEYOR HAS WITNESSED OR REFERENCE THEIR LOCATION.
4. EXISTING TOP SOIL EXCAVATED FOR THIS PROJECT MAY BE USED FOR THE PLACEMENT LOCATIONS NOTED ON THE PLANS PROVIDED THAT THE EXCAVATED MATERIALS MEET THE REQUIREMENTS OF ARTICLE 1081.05(d) OF THE STANDARD SPECIFICATIONS.
5. THE DEPARTMENT RESERVES THE RIGHT AT ANY TIME TO ADD ADDITIONAL TRAFFIC CONTROL SYSTEMS OR DEVICES WITHIN THE ACTIVE CONTRACT LIMITS, BY MEANS OF AN ADDITIONAL CONTRACT. ALL TERMS OF ARTICLE 105.08 OF THE STANDARD SPECIFICATIONS SHALL BE FOLLOWED BY EACH CONTRACTOR.
6. SIGN LOCATIONS MAY VARY FROM THE STATIONS SHOWN ON THE PLANS IN ACCORDANCE WITH DIRECTIONS FROM THE ENGINEER AT THE TIME OF CONSTRUCTION. SIGN LOCATIONS MAY BE ADJUSTED IN THE FIELD TO AVOID ANY FOUND UTILITIES.
7. TRAFFIC CONTROL ITEMS WITHIN THE PARK SHALL BE PAID FOR BY LUMP SUM TRAFFIC CONTROL AND PROTECTION, (SPECIAL). SEE HIGHWAY STANDARDS AND SPECIAL PROVISIONS FOR ADDITIONAL DETAILS. ALL SIGNS AND TEMPORARY PAVEMENT MARKINGS SHALL BE INCLUDED IN THE PAY ITEM.
8. CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH IDNR PARK STAFF AND FOR FOLLOWING J.U.L.I.E. TO MAKE SURE THE PRIVATE LINES AND FACILITIES ARE LOCATED, MARKED, AND AVOIDED.
9. A BUTT JOINT SHALL BE INSTALLED AT LIMITS OF CONSTRUCTION TO TIE-INTO EXISTING PAVEMENT.
10. CONTRACTOR WILL EXCAVATE AN EXPLORATION TRENCH IN THE EVENT UNKNOWN UTILITIES, FIELD TILES, OR STRUCTURES ARE IDENTIFIED DURING CONSTRUCTION.
11. THE WOOD PRODUCTS (FENCE, WOOD SIGN SUPPORTS, WOOD BOLLARDS, ETC.) MUST BE PRESERVED WITH ACQ OR PRESSURE IMPREGNATED WITH MICRONIZED COPPER AZOLE (MCA) IN ACCORD WITH RECOMMENDATIONS OF AWPA; AND KILN DIERED TO A MAXIMUM MOISTURE CONTENT OF 19% AND NOT ACA OR CCA PER SPEC BOOK.
12. THE TOPSOIL MATERIAL BROUGHT INTO PROJECT FROM OFFSITE MUST BE FREE OF NOXIOUS WEEDS AND EXOTIC PLANTS, TREES, ROOTS OT RHIZOMES. A STERILIZED TOPSOIL SUCH AS THAT HAS BEEN TREATED WITH VAPAM OR HEAT TREATED.

DISTRICT 2 GENERAL NOTES

1. ALL BORROW/WASTE/USE SITES MUST BE APPROVED BY THE DEPARTMENT PRIOR TO REMOVING ANY MATERIAL FROM THE PROJECT OR INITIATING ANY EARTHMOVING ACTIVITIES, INCLUDING TEMPORARY STOCKPILING OUTSIDE THE LIMITS OF CONSTRUCTION.
2. THE REMOVAL OF BITUMINOUS SURFACING LESS THAN 6 INCH THICKNESS NOT ON A RIGID TYPE BASE REMOVED IN CONJUNCTION WITH THE BASE SHALL BE REMOVED AS EARTH EXCAVATION. THE REMOVAL OF BITUMINOUS SURFACING ON A RIGID TYPE BASE OR A THICKNESS OF 6 INCHES OR MORE ON A FLEXIBLE BASE REMOVED IN CONJUNCTION WITH THE BASE SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR PAVEMENT REMOVAL OF THE TYPE SPECIFIED.
3. THE FINAL TOP FOUR INCHES OF SOIL IN ANY RIGHT-OF-WAY AREA DISTURBED BY THE CONTRACTOR MUST BE CAPABLE OF SUPPORTING VEGETATION. THE SOIL MUST BE FROM THE A HORIZON (ZERO TO 2' DEEP) OF SOIL PROFILES OF LOCAL SOILS. THE COST OF THIS WORK SHALL BE INCLUDED IN THE UNIT PRICES BID AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
4. PREVIOUSLY PUGMILLED STOCKPILES OF "TYPE A" OLDER THAN 1 MONTH WILL NOT BE APPROVED FOR USE UNTIL A MOISTURE CHECK IS RUN TO VERIFY MOISTURE CONTENT. MATERIAL SHIPPED TO PROJECTS WITHOUT BEING TESTED WILL NOT BE ACCEPTED.
5. PLACEMENT AND COMPACTION OF THE BACKFILL FOR PROPOSED ACROSS ROAD CULVERTS AND STORM SEWERS, AND EXISTING ACROSS ROAD CULVERTS THAT ARE REMOVED SHALL CONFORM TO ARTICLE 502.10 OF THE STANDARD SPECIFICATIONS, EXCEPT THAT THE MATERIAL SHALL CONFORM TO ARTICLE 208.02 OF THE STANDARD SPECIFICATIONS, AND SHALL BE COMPACTED TO A MINIMUM OF 95% OF THE STANDARD LABORATORY DENSITY. ANY MATERIAL CONFORMING TO THE REQUIREMENTS OF ARTICLE 1003.04 OR 1004.05 FOR TRENCH BACKFILL WHICH HAS BEEN EXCAVATED FROM THE TRENCHES SHALL BE USED FOR BACKFILLING THE TRENCHES. THE ENTIRE EXCAVATION, WITHIN 2 FEET OUTSIDE OF EACH SHOULDER, SHALL BE BACKFILLED WITH TRENCH BACKFILL MATERIAL TO THE BOTTOM OF THE PROPOSED SUBGRADE. IMPERVIOUS MATERIAL SHALL BE USED ON THE OUTER 3 FEET AT EACH END OF THE CULVERT. THIS TRENCH BACKFILL MATERIAL WILL NOT BE MEASURED FOR PAYMENT, BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE ITEM OF THE WORK FOR WHICH IT IS REQUIRED.
6. ALL EMBANKMENT CONSTRUCTED OF COHESIVE SOIL SHALL BE CONSTRUCTED WITH NOT MORE THAN 110% OF OPTIMUM MOISTURE CONTENT, DETERMINED BY THE STANDARD PROCTOR TEST. COHESIVE SOIL SHALL BE DEFINED AS ANY SOIL WHICH CONTAINS GREATER THAN 10% PARTICLES BY WEIGHT PASSING THE 75 M (*200 SIEVE). THE 110% OF OPTIMUM MOISTURE LIMIT MAY BE WAIVED IN FREE-DRAINIG GRANULAR MATERIAL WHEN APPROVED BY THE ENGINEER.

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

LOCATION(S):	ALL ROADWAYS AND PARKING LOTS	
MIXTURE USE(S):	BINDER COURSE	SURFACE COURSE
PG:	PG64-22	PG64-22
DESIGN AIR VOIDS:	4.0 @ N50	4.0 @ N50
MIXTURE COMPOSITION	IL-9.5 FG	1L-9.5 FG
FRICTION AGGREGATE:	MIX "C"	MIX "C"
MIXTURE WEIGHT:	112 LBS/SQ YD/INCH	
QUALITY MANAGEMENT PROGRAM:	QC/QA	QC/QA
SUBPLOT TONNAGE	N/A	N/A
ROLLER PASSES	N/A	N/A

- 1) WHEN A NUMBER OF ROLLER PASSES IS SPECIFIED, THE CONTRACTOR MAY OPT TO USE INTELLIGENT COMPATION IN LIEU OF DENSITY TESTING UNDER THE QUALITY CONTROL FOR PERFORMANCE (QCP) PROGRAM.

DISTRICT 2 GENERAL NOTES (CONTINUED)

7. THE AREA TO BE TACKED OR PRIMED SHALL BE LIMITED TO THAT WHICH CAN BE COVERED WITH HMA ON THE NEXT DAY'S PRODUCTION, BUT NO MORE THAN FIVE DAYS IN ADVANCE OF THE PLACEMENT OF THE HMA, UNLESS APPROVED BY THE ENGINEER.
8. THE NEW NUMBER FOR THESE STRUCTURES WILL BE #101-9976, #101-9977, AND STA 968+08.00.
9. THE PROPOSED PIPES FOR ENTRANCES AND SIDE ROADS SHALL BE PLACED IN LINE WITH THE PROPOSED DITCH LINE.
10. ALL FRAMES AND GRATES OF DRAINAGE STRUCTURES TO BE REMOVED OR FILLED SHALL BE CAREFULLY SALVAGED AND SHALL REMAIN PROPERTY OF ROCK CUT STATE PARK.
11. LATERAL DISTANCES FROM THE CENTERLINE ON ALL INLETS ARE TO THE FACE OF THE INLET.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COLLECTING AND MAINTAINING AN ELECTRONIC LOG OF ALL STAKEOUT SURVEY THAT IS PERFORMED ON THE JOB, EITHER BY HIM/HER OR ANY SUBCONTRACTOR PERFORMING THE STAKEOUT. UPON REQUEST, ALL LOGS SHALL BE SUBMITTED TO THE DEPARTMENT. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THIS WORK, BUT SHALL BE CONSIDERED INCLUDED IN THE COST FOR CONSTRUCTION LAYOUT.
13. PAVEMENT MARKING SHALL BE DONE ACCORDING TO STANDARD 780001, EXCEPT AS FOLLOWS:
1. ALL WORDS, SUCH AS "ONLY", SHALL BE 8 FEET HIGH.
2. ALL NON-FREEWAY ARROWS SHALL BE THE LARGE SIZE.
3. THE DISTANCE BETWEEN YELLOW NO-PASSING LINES SHALL BE 8 INCHES, NOT 7 INCHES, AS SHOWN IN THE DETAIL OF TYPICAL LANE AND EDGE LINES.
4. CENTERLINE SKIP DASH PAVEMENT MARKING ON MULTI-LANE DIVIDED, MULTI-LANE UNDIVIDED, AND ONE-WAY ROADWAY SHALL BE ACCORDING TO DISTRICT STANDARD 41.1.
14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND PROTECTING UTILITY PROPERTY DURING CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.39 OF THE STANDARD SPECIFICATIONS. A MINIMUM OF 48 HOURS ADVANCE NOTICE IS REQUIRED FOR NON-EMERGENCY WORK. THE JULIE NUMBER IS 800-892-0123.
15. IDOT IS NOT A MEMBER OF JULIE. IF YOU ARE NEAR ANY OVERHEAD LIGHTING, INTERSECTION LIGHTING OR TRAFFIC SIGNALS, CONTACT THE IDOT TRAFFIC OFFICE AT 815-284-5469 AT LEAST 48 HOURS PRIOR TO WORK.
16. CADD DATA WILL BE AVAILABLE TO CONTRACTORS AND CONSULTANTS WORKING ON THIS PROJECT. THIS INFORMATION WILL BE PROVIDED UPON REQUEST AS MICROSTATION CADD FILES AND GEOPAK COORDINATE GEOMETRY FILES ONLY. IF DATA IS REQUIRED IN OTHER FORMATS IT WILL BE YOUR RESPONSIBILITY TO MAKE THESE CONVERSIONS. IF ANY DISCREPANCY OR INCONSISTENCY ARISES BETWEEN THE ELECTRONIC DATA AND THE INFORMATION ON THE HARD COPY, THE INFORMATION ON THE HARD COPY SHOULD BE USED. CONTACT THE DISTRICT'S PROJECT ENGINEER TO REQUEST THESE FILES.
17. THE BORING LOGS FOR THIS STRUCTURE INDICATE THAT GROUNDWATER LEVELS MAY ENCROACH ON THE CONSTRUCTION LIMITS OF THE CULVERT. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CONTROL THE GOUNDWATER AND DIVERT THE STREAM FLOW DURING CONSTRUCTION IN ORDER TO KEEP THE CONSTRUCTION AREA FREE OF WATER. THE METHOD OF CONTROLLING THE WATER SHALL BE SUBJECT TO APPROVAL OF THE ENGINEER AND THE COST SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR PRECAST CONCRETE BOX CULVERTS.
18. CULVERT & BRIDGE FLOW MUST BE MAINTAINED THROUGHOUT THE PROJECT. NORMAL FLOW SHALL BE ALLOWED THE PASS AT THE RATE IT ENTERS THE JOBSITE. HIGH FLOWS SHALL BE ALLOWED TO PASS WITHOUT CAUSING DAMAGE TO UPSTREAM PROPERTIES.
19. STONE BOULDERS: THIS WORK SHALL CONSIST OF SUPPLYING AND INSTALLING LIMESTONE BOULDERS WITH A SPACING OF NO MORE THAN 4.5' BETWEEN AND WITH THE FOLLOWING SIZE. HEIGHT = 24" TO 30", WIDTH = 24" TO 36", DEPTH = 24" TO 36".
20. PERIMETER EROSION BARRIER SPECIAL: IN AREAS WITH TREES INSTALL A SNOW FENCE CONNECTED TO METAL POSTS WITH DITCH CHECK MATERIAL ATTACHED PARALLEL TO THE PATH AS EROSION PROTECTION TO PREVENT TREE ROOTS FOR GETTING CUT BY THE INSTALLATION OF SILT FENCE.
21. TREE REMOVAL LIMITS ARE TO BE 5' OUTSIDE THE CONSTRUCTION LIMITS.
22. PAVEMENT MARKING SYMBOLS FOR BIKE PATH ARE TO BE PLACED 12' ON CENTER.

MODEL: Default
FILE NAME: 2112-1005-10 Rock Cut State Park10 IDOT/CAD Sheets/CONTRACT 210246930-general notes 01.dgn



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DESIGNED -	BCD	REVISED -	
DRAWN -	KKH	REVISED -	
CHECKED -	LDC	REVISED -	
DATE -	9/12/22	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES
ROCK CUT STATE PARK

SCALE:

SHEET 1 OF 1 SHEETS

STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	ROCK CUT PHASE 3 - 2023	WINNEBAGO	139	3
		CONTRACT NO. 46934		
		ILLINOIS	FED. AID PROJECT	

MODEL: Default
FILE NAME: P119-1009.10 Rock Cut State Park IDOT QAS Sheets\CONTRACT 21D746930-INC500.02.dgn

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				100% STATE	100% STATE
				ROADWAY	BRIDGE
				0004	0004
				RURAL	RURAL
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	537	537	
25100115	MULCH, METHOD 2	ACRE	6	6	
25100630	EROSION CONTROL BLANKET	SQ YD	28,846	28,846	
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	596	596	
28000305	TEMPORARY DITCH CHECKS	FOOT	4,000	4,000	
28000315	AGGREGATE DITCH CHECKS	TON	4	4	
28000500	INLET AND PIPE PROTECTION	EACH	19	19	
28100105	STONE RIPRAP, CLASS A3	SQ YD	214	214	
28100107	STONE RIPRAP, CLASS A4	SQ YD	383		383
28100109	STONE RIPRAP, CLASS A5	SQ YD	147		147
28200200	FILTER FABRIC	SQ YD	744	214	530
30300011	AGGREGATE SUBGRADE IMPROVEMENT	TON	44,131	44,131	
31101400	SUBBASE GRANULAR MATERIAL, TYPE B 6"	SQ YD	2,148	2,148	
40200900	AGGREGATE SURFACE COURSE, TYPE B	CU YD	5	5	

MODEL: Default
FILE NAME: P119-1005.10 Rock Cut State Park0 IDOT043 SheetsCONTRACT 21D746930-INC500_03.dgn

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				100% STATE	100% STATE
				ROADWAY	BRIDGE
				0004	0004
				RURAL	RURAL
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	96,283	96,283	
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	9,629	9,629	
40602965	HOT-MIX ASPHALT BINDER COURSE, 1L-9.5FG, N50	TON	4,951	4,951	
40604000	HOT-MIX ASPHALT SURFACE COURSE, 1L-9.5FG, MIX "C", N50	TON	4,952	4,952	
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	4,934	4,934	
44000600	SIDEWALK REMOVAL	SQ FT	343	343	
50105220	PIPE CULVERT REMOVAL	FOOT	1,157	842	315
50200100	STRUCTURE EXCAVATION	CU YD	763		763
51500100	NAME PLATES	EACH	2		2
54001001	BOX CULVERT END SECTIONS, CULVERT NO. 1	EACH	4	2	2
54001002	BOX CULVERT END SECTIONS, CULVERT NO. 2	EACH	2		2
54001003	BOX CULVERT END SECTIONS, CULVERT NO. 3	EACH	2		2
54001004	BOX CULVERT END SECTIONS, CULVERT NO. 4	EACH	2	2	
54010302	PRECAST CONCRETE BOX CULVERTS 2' X 3'	FOOT	48	48	

MODEL: Default
FILE NAME: P119-1009.10 Rock Cut State Park01.DOTCAD SheetsCONTRACT 21D746930-INC500 04.dgn

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				100% STATE	100% STATE
				ROADWAY	BRIDGE
				0004	0004
				RURAL	RURAL
54010504	PRECAST CONCRETE BOX CULVERTS 5' X 4'	FOOT	74		74
54010804	PRECAST CONCRETE BOX CULVERTS 8' X 4'	FOOT	86		86
54011205	PRECAST CONCRETE BOX CULVERTS 12' X 5'	FOOT	141		141
54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	23	23	
54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	1	1	
54214710	PRECAST REINFORCED CONCRETE FLARED END SECTIONS - ELLIPTICAL, EQ 15"	EACH	2	2	
54214713	PRECAST REINFORCED CONCRETE FLARED END SECTIONS - ELLIPTICAL, EQ 18"	EACH	8	8	
542A0217	PIPE CULVERTS, CLASS A, TYPE 1 12"	FOOT	336	336	
542A0229	PIPE CULVERTS, CLASS A, TYPE 1 24"	FOOT	80	80	
542A5470	PIPE CULVERTS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 15"	FOOT	72	72	
542A5473	PIPE CULVERTS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 18"	FOOT	174	174	
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	341		341
59300100	CONTROLLED LOW-STRENGTH MATERIAL	CU YD	108	108	
60201366	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 37 FRAME AND GRATE	EACH	2	2	

MODEL: Default
FILE NAME: P119-1005.10 Rock Cut State Park0 IDOTQAS SheetsCONTRACT 21D746930-INC500 05.dgn

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				100% STATE	100% STATE
				ROADWAY	ROADWAY
				0004	0004
				RURAL	RURAL
60205066	CATCH BASINS, TYPE A, 5'-DIAMETER,TYPE 37 FRAME AND GRATE	EACH	1	1	
60600605	CONCRETE CURB, TYPE B	FOOT	71	71	
63200310	GUARDRAIL REMOVAL	FOOT	278	278	
64100115	SIGHT SCREEN (WOODEN FENCE), TYPE P 6'	FOOT	104	104	
67000500	ENGINEER'S FIELD OFFICE, TYPE B	CAL MO	12	12	
67100100	MOBILIZATION	L SUM	1	1	
* 72000100	SIGN PANEL - TYPE 1	SQ FT	162	162	
72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	135	135	
73000100	WOOD SIGN SUPPORT	FOOT	370	370	
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	865	865	
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	37,561	37,561	
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	1,085	1,085	
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	1,221	1,221	
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	107	107	

*= SPECIALTY ITEM

MODEL: Default
FILE NAME: P119-1009.10 Rock Cut State Park0 IDOT043 SheetsCONTRACT 21D746930-INC500 06.dgn

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				100% STATE	100% STATE
				ROADWAY	BRIDGE
				0004	0004
				RURAL	RURAL
* 81028390	UNDERGROUND CONDUIT, PVC, 4" DIA.	FOOT	115	115	
* 87301815	ELECTRIC CABLE IN CONDUIT,SERVICE, NO6 3C	FOOT	115	115	
X0300019	REMOVE AND REINSTALL PARKING BLOCKS	EACH	31	31	
X0300249	REMOVE EXISTING GATE	EACH	1	1	
X0301339	REMOVE EXISTING PARKING BLOCKS	EACH	159	159	
X0321309	CONCRETE PAD	SQ YD	64	64	
X0323013	TUBULAR STEEL GATE	EACH	1	1	
X0323378	CONCRETE PARKING BLOCKS	EACH	173	173	
X0325712	RELOCATE EXISTING ELECTRICAL SYSTEM	LSUM	1	1	
X0327880	WAYFINDING SIGN, SPECIAL	L SUM	1	1	
X0900064	MEMBRANE WATERPROOFING SYSTEM FOR BURIED STRUCTURES	SQ YD	341		341
X1700114	CONCRETE PAD REMOVAL	SQ FT	103	103	
X2510001	WOODLAND SEEDING, SPECIAL	SQ FT	196,716	196,716	
X2600016	MINOR SIGN COMPLETE	EACH	7	7	

*= SPECIALTY ITEM



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	DESIGNED - BCD	REVISED -
	DRAWN - KKH	REVISED -
PLOT SCALE = 2.0000 ' / in.	CHECKED - LDC	REVISED +
PLOT DATE = 9/13/2022	DATE - 9/12/22	REVISED +

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
ROCK CUT STATE PARK

SCALE: SHEET 6 OF 7 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	ROCK CUT PHASE 3 - 2023	WINNEBAGO	139	9
			CONTRACT NO. 46934	
ILLINOIS			FED. AID PROJECT	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				100% STATE	100% STATE
				ROADWAY	BRIDGE
				0004	0004
				RURAL	RURAL
X2800400	PERIMETER EROSION BARRIER, SPECIAL	FOOT	22,167	22,167	
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1	
X7240207	REMOVE EXISTING SIGN COMPLETE	EACH	8	8	
X7240300	SIGN REMOVAL	EACH	14	14	
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1	
Z0022800	FENCE REMOVAL	FOOT	98	98	
Ø Z0076604	TRAINEES - TRAINING PROGRAM GRADUATE	HOURL	2,000	2,000	
X0328017	STREAM MITIGATION BANK CREDITS	EACH	1,437	1,437	
X0328022	WETLAND MITIGATION BANK CREDITS	EACH	0.2	0.2	
X2600040	STONE BOULDERS (SPECIAL)	EACH	20	20	

Ø 0042

MODEL: Default
FILE NAME: P119-1009-10 Rock Cut State Park IDOT\2023 Sheets\CONTRACT 21D746930-11c500_07.dgn



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	DESIGNED -	BCD	REVISED -	
	DRAWN -	KKH	REVISED -	
PLOT SCALE = 2.0000 ' / in.	CHECKED -	LDC	REVISED -	
PLOT DATE = 9/13/2022	DATE -	9/12/22	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
ROCK CUT STATE PARK

SCALE:

SHEET 7 OF 7 SHEETS

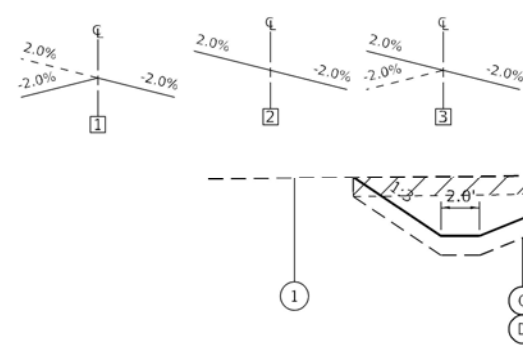
TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	ROCK CUT PHASE 3 - 2023	WINNEBAGO	139	10
CONTRACT NO. 46934				
ILLINOIS FED. AID PROJECT				

REV. 10/31/22 REV. 10/17/22 REV. 10/3/22 REV. 9/26/22

***LEFT PAVEMENT SLOPES**

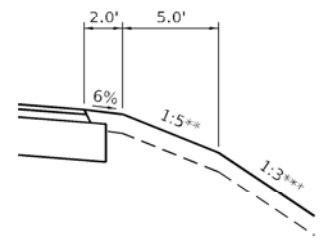
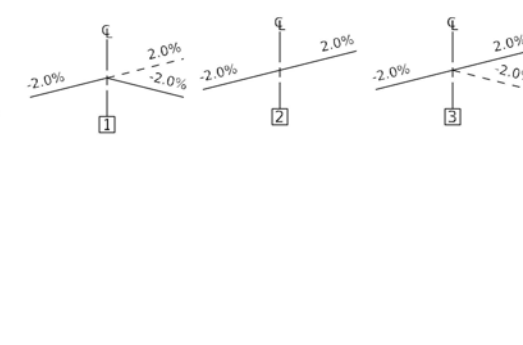
- ① STA 2066+00.17 TO 2070+00.17, LT -2.0% TO 2.0% TRANSITION
② STA 2070+00.17 TO 967+54.67, LT 2.0% CONSTANT
③ STA 967+54.67 TO 971+54.67, LT 2.0% TO -2.0% TRANSITION



TYPICAL SECTION NO. 1
PARK ROAD
STA 2015+00.0 TO STA 2055+82.67
STA 2068+28.7 TO STA 967+49.3 R2
STA 968+93.4 R2 TO STA 1000+30.0 R2

***RIGHT PAVEMENT SLOPES**

- ① STA 989+15.52 TO 993+15.32, RT -2.0% TO 2.0% TRANSITION
② STA 993+15.32 TO 994+43.18, RT 2.0% CONSTANT
③ STA 994+43.18 TO 998+43.18, RT 2.0% TO -2.0% TRANSITION



****BARN ROOF SLOPES**

- STA 2069+00 TO 2070+00, RT/LT 1:4 - 1:5 TRANSITION
STA 2070+00 TO 969+00, RT/LT 1:5 CONSTANT
STA 969+00 TO 970+00, RT/LT 1:5 - 1:4 TRANSITION

*****BARN ROOF FORE SLOPES**

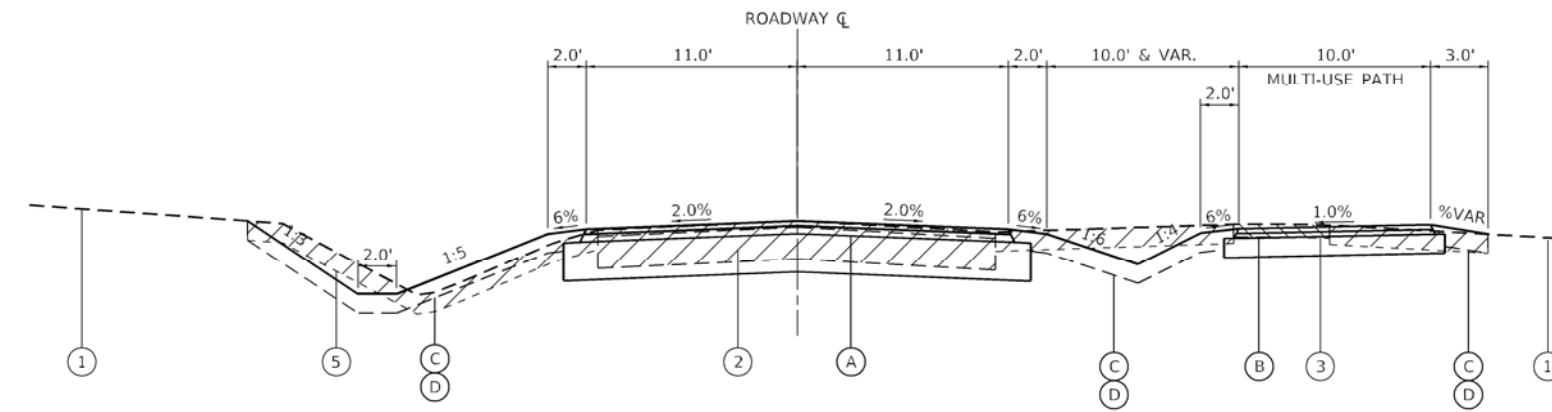
- STA 2069+00 TO 2070+00, RT/LT 1:4 - 1:3 TRANSITION
STA 2070+00 TO 969+00, RT/LT 1:3 CONSTANT
STA 969+00 TO 970+00, RT/LT 1:3 - 1:4 TRANSITION

EXISTING LEGEND

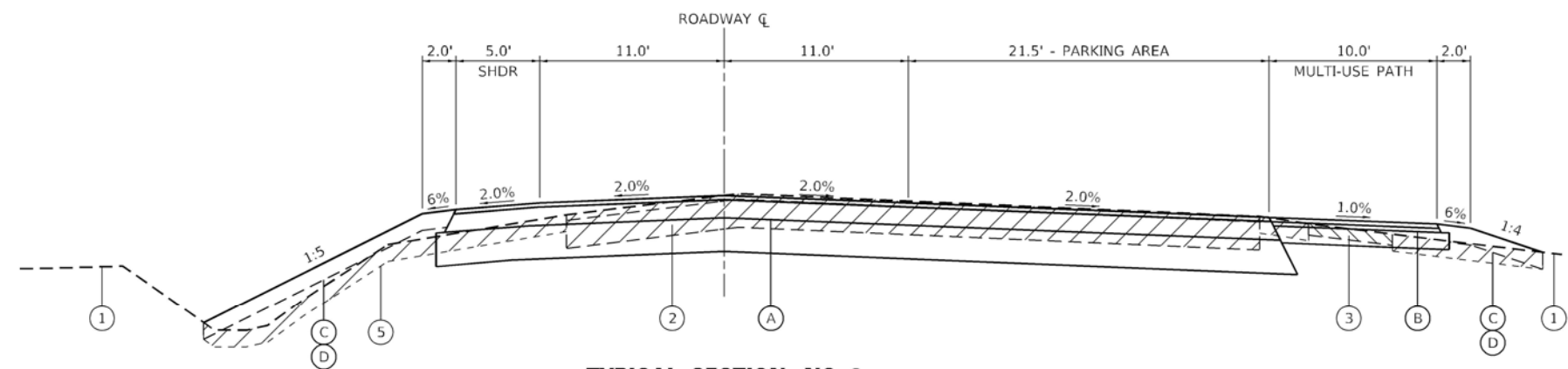
- ① EXISTING GROUND
② PAVEMENT REMOVAL (FULL DEPTH)
(INCLUDED IN EARTH EXCAVATION)
EXISTING HMA PAVEMENT, VARIES 3" TO 6"
EXISTING AGGREGATE BASE, 8" & VARIES
③ EXISTING AGGREGATE BIKE PATH TO BE REMOVED
(INCLUDED IN EARTH EXCAVATION)
④ GUARDRAIL REMOVAL (WOODEN)
⑤ 6" TOPSOIL EXCAVATION

PROPOSED LEGEND

- (A) PROPOSED ROADWAY IMPROVEMENTS
2" HMA SURFACE COURSE, IL-9.5 FG, MIX "C", N50
2" HMA BINDER COURSE, IL-9.5 FG, MIX "C", N50
AGGREGATE SUBGRADE IMPROVEMENT, 12"
(B) PROPOSED MULTI-USE PATH IMPROVEMENTS
1½" HMA SURFACE COURSE, IL-9.5 FG, MIX "C", N50
1½" HMA BINDER COURSE, IL-9.5 FG, MIX "C", N50
SUBBASE GRANULAR MATERIAL, TYPE B, 6"
(C) 6" TOPSOIL PLACEMENT
(D) SEEDING, TYPE AND CLASS AS SPECIFIED
(E) EMBANKMENT
(F) PORTLAND CEMENT CONCRETE SIDEWALK, 5"
(G) SUBBASE GRANULAR MATERIAL, TYPE B



TYPICAL SECTION NO. 2
PARK ROAD
STA 2064+00 TO STA 2068+28.7



TYPICAL SECTION NO. 3
PARK ROAD
STA 2055+82.6 TO STA 2057+07.2

MODEL: Default
FILE NAME: P:\13-1005-10 Rock Cut State Park\10 BDOT\CAD Sheets\CONTRACT 210248930-shctypsect 01.dgn

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20-3085536

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DATE - 9/12/22	REVISED -

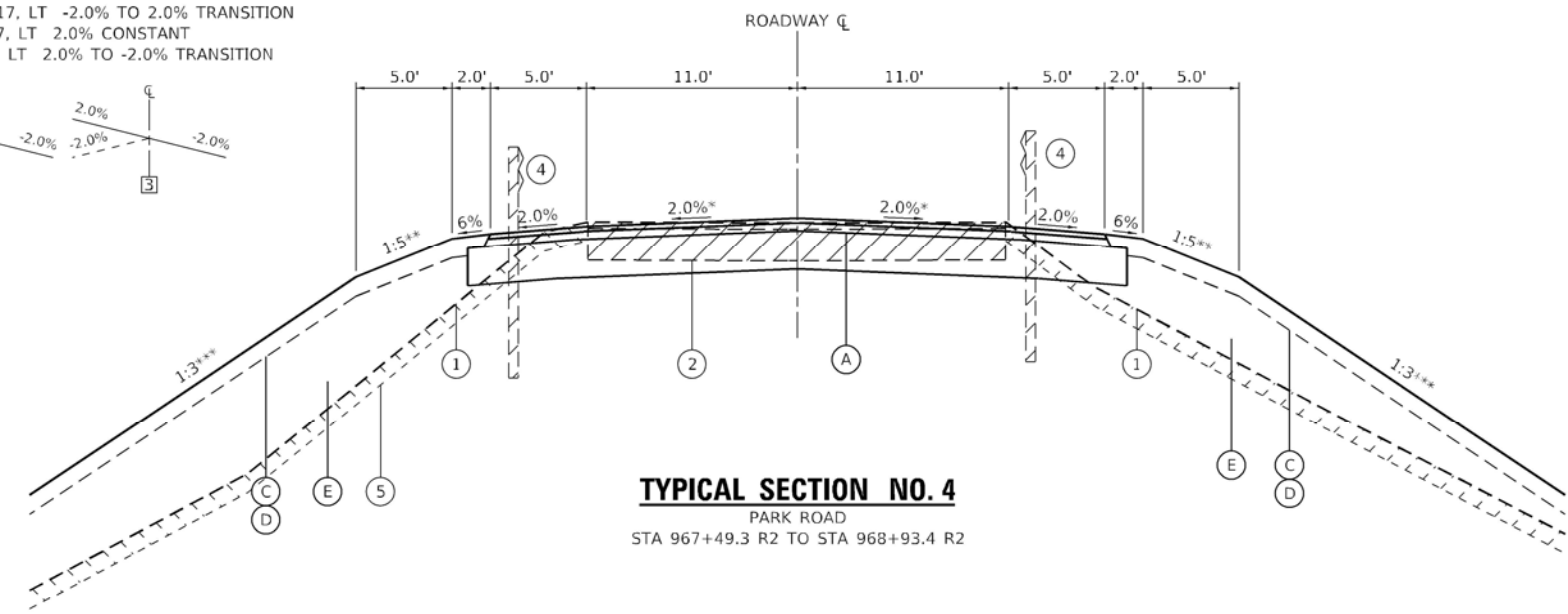
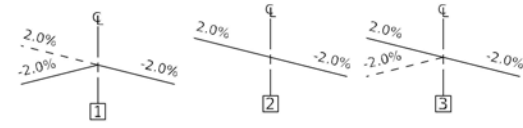
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS
ROCK CUT STATE PARK

SCALE: SHEET 1 OF 3 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	ROCK CUT PHASE 3 - 2023	WINNEBAGO	139	11
CONTRACT NO. 46934				
ILLINOIS FED. AID PROJECT				

*LEFT PAVEMENT SLOPES
1 STA 2066+00.17 TO 2070+00.17, LT -2.0% TO 2.0% TRANSITION
2 STA 2070+00.17 TO 967+54.67, LT 2.0% CONSTANT
3 STA 967+54.67 TO 971+54.67, LT 2.0% TO -2.0% TRANSITION



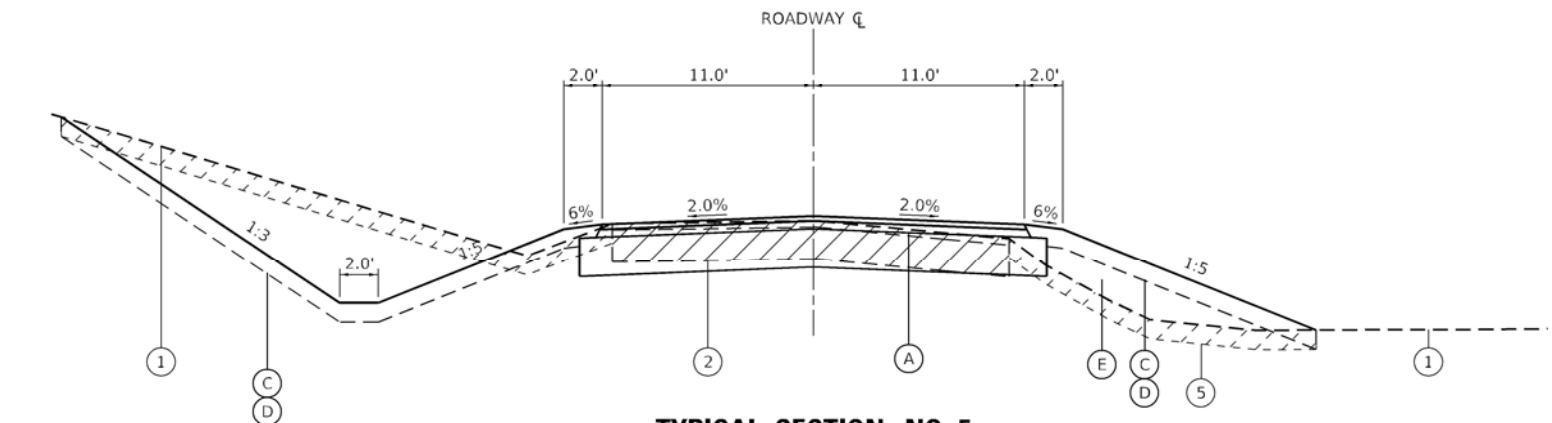
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PARK ROAD
STA 967+49.3 R2 TO STA 968+93.4 R2

**BARN ROOF SLOPES
STA 2069+00 TO 2070+00, RT/LT 1:4 - 1:5 TRANSITION
STA 2070+00 TO 969+00, RT/LT 1:5 CONSTANT
STA 969+00 TO 970+00, RT/LT 1:5 - 1:4 TRANSITION

***BARN ROOF FORE SLOPES
STA 2069+00 TO 2070+00, RT/LT 1:4 - 1:3 TRANSITION
STA 2070+00 TO 969+00, RT/LT 1:3 CONSTANT
STA 969+00 TO 970+00, RT/LT 1:3 - 1:4 TRANSITION

EXISTING LEGEND

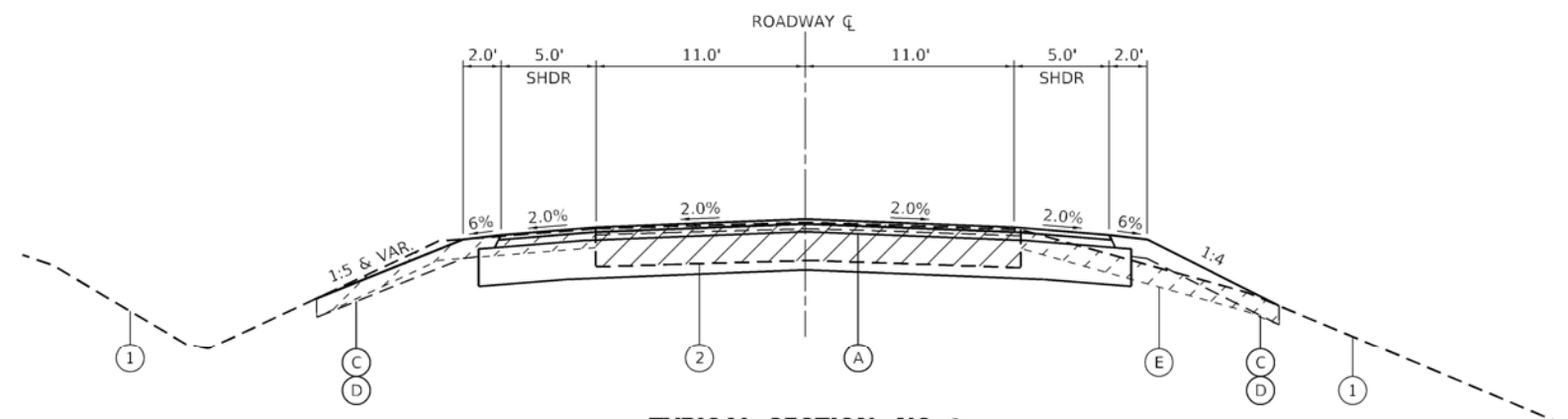
- 1 EXISTING GROUND
- 2 PAVEMENT REMOVAL (FULL DEPTH)
(INCLUDED IN EARTH EXCAVATION)
EXISTING HMA PAVEMENT, VARIES 3" TO 6"
EXISTING AGGREGATE BASE, 8" & VARIES
- 3 EXISTING AGGREGATE BIKE PATH TO BE REMOVED
(INCLUDED IN EARTH EXCAVATION)
- 4 GUARDRAIL REMOVAL (WOODEN)
- 5 6" TOPSOIL EXCAVATION



TYPICAL SECTION NO. 5
RED OAK PICNIC AREA ENTRANCE
STA 204+74.7 TO STA 209+04.5

PROPOSED LEGEND

- A PROPOSED ROADWAY IMPROVEMENTS
2" HMA SURFACE COURSE, IL-9.5 FG, MIX "C", N50
2" HMA BINDER COURSE, IL-9.5 FG, MIX "C", N50
AGGREGATE SUBGRADE IMPROVEMENT, 12"
- B PROPOSED MULTI-USE PATH IMPROVEMENTS
1½" HMA SURFACE COURSE, IL-9.5 FG, MIX "C", N50
1½" HMA BINDER COURSE, IL-9.5 FG, MIX "C", N50
SUBBASE GRANULAR MATERIAL, TYPE B, 6"
- C 6" TOPSOIL PLACEMENT
- D SEEDING, TYPE AND CLASS AS SPECIFIED
- E EMBANKMENT
- F PORTLAND CEMENT CONCRETE SIDEWALK, 5"
- G SUBBASE GRANULAR MATERIAL, TYPE B



TYPICAL SECTION NO. 6
I-39/90 CROSSOVER ROAD
STA 12+87.00 TO STA 13+93.07

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS
ROCK CUT STATE PARK

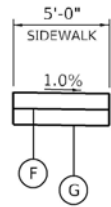
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DATE - 9/12/22	REVISED -

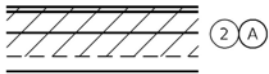
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PLOT DATE = 9/13/2022

F.A. RTE.		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		ROCK CUT PHASE 3 - 2023	WINNEBAGO	139	12
		CONTRACT NO. 46934			
		ILLINOIS FED. AID PROJECT			

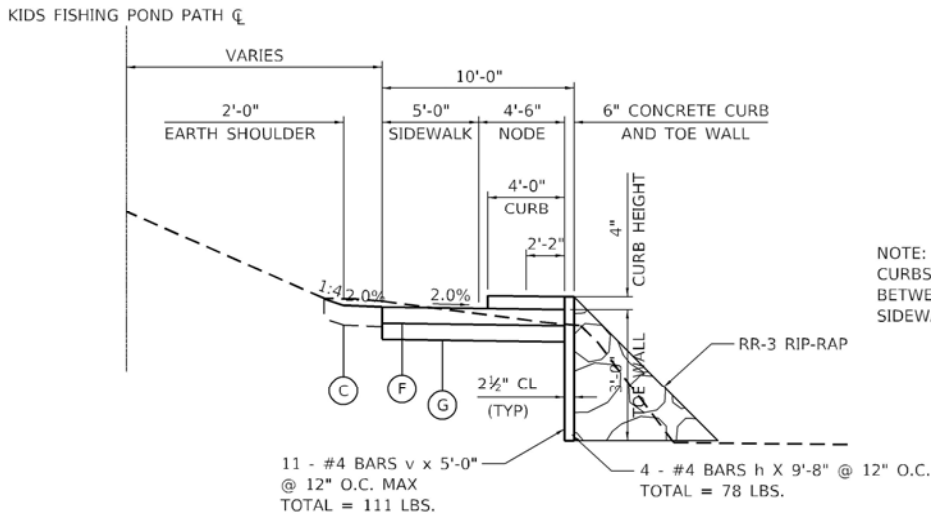
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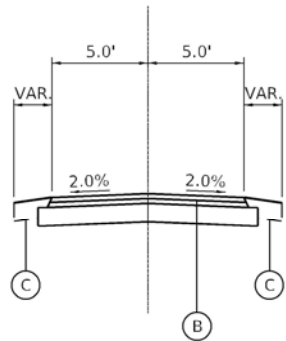
SIDEWALK TYPICAL SECTION



PARKING LOT
TYPICAL SECTION DETAILS



KID'S FISHING POND ANGLING NODES
TYPICAL SECTION DETAILS
KIDS FISHING POND PATH



TYPICAL SECTION NO.7
KIDS FISHING POND PATH

EXISTING LEGEND

- 1 EXISTING GROUND
- 2 PAVEMENT REMOVAL (FULL DEPTH)
(INCLUDED IN EARTH EXCAVATION)
EXISTING HMA PAVEMENT, VARIES 3" TO 6"
EXISTING AGGREGATE BASE, 8" & VARIES
- 3 EXISTING AGGREGATE BIKE PATH TO BE REMOVED
(INCLUDED IN EARTH EXCAVATION)
- 4 GUARDRAIL REMOVAL (WOODEN)
- 5 6" TOPSOIL EXCAVATION

PROPOSED LEGEND

- A PROPOSED ROADWAY IMPROVEMENTS
2" HMA SURFACE COURSE, IL-9.5 FG, MIX "C", N50
2" HMA BINDER COURSE, IL-9.5 FG, MIX "C", N50
AGGREGATE SUBGRADE IMPROVEMENT, 12"
- B PROPOSED MULTI-USE PATH IMPROVEMENTS
1½" HMA SURFACE COURSE, IL-9.5 FG, MIX "C", N50
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SUBBASE GRANULAR MATERIAL, TYPE B, 6"
- C 6" TOPSOIL PLACEMENT
- D SEEDING, TYPE AND CLASS AS SPECIFIED
- E EMBANKMENT
- F PORTLAND CEMENT CONCRETE SIDEWALK, 5"
- G SUBBASE GRANULAR MATERIAL, TYPE B, 6"

MODEL: P0401P
FILE NAME: P01B-1005-10 Rock Cut State Park IDOT/CAD Sheets/CONTRACT 210246934-Subtypsect-03.dgn

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20-3085166

DESIGNED - BCD	REVISED -
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PLOT SCALE = 10.0000 ' / in.

PLOT DATE = 9/13/2022

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS
ROCK CUT STATE PARK

SCALE: SHEET 3 OF 3 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	ROCK CUT PHASE 3 - 2023	WINNEBAGO	139	13
CONTRACT NO. 46934				
ILLINOIS FED. AID PROJECT				

EARTHWORK SUMMARY

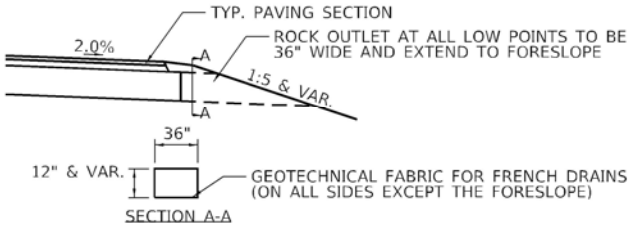
LOCATION	EARTHWORK			TOPSOIL			SUBGRADE IMPROVEMENT	
	20200100			21101505			30300011	210010000
	EARTHWORK EXCAVATION	EMBANKMENT	BALANCE WASTE (+) OR SHORTAGE (-)	TOPSOIL EXCAVATION & PLACEMENT	TOPSOIL EMBANKMENT	BALANCE WASTE (+) OR SHORTAGE (-) (NO SHRINKAGE)	AGGREGATE SUBGRADE IMPROVEMENT	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(TON)	(SQ YD)
ROADWAYS								
PARK ROAD	24722.2	12251.2	8762.7	7306.1	6252.0	1054.1	13544.4	7152.5
RED OAK ENTRANCE	3141.7	824.4	1846.0	511.8	422.7	89.1		
PARKING LOTS								
PURI CREST	841.3	58.4	656.7	122.4	85.5	36.9		
LIONS CLUB	1164.0	86.3	903.1	102.3	97.9	4.4		
KIDS FISHING AREA	3004.8	41.1	528.2	379.2	149.8	229.4		
TOTAL	32874.0	13261.4	12696.8	8421.8	7007.9	1413.9	13544.4	7152.5
ADJ. TOTAL	32874.0	13262.0	12697.0	8422.0	7008.0	1414.0	13545.0	7153.0

NOTE: AGGREGATE SUBGRADE IMPROVEMENT TOTAL SHOWN HERE IS THE QUANTITY THAT REPRESENTS AREAS OF UNDERCUT. FOR THE PROJECT TOTAL AMOUNT REFER TO THE SUMMARY OF QUANTITIES.

THE EARTHWORK SUMMARY TOTALS INCLUDES THE TOTAL PROJECT EXCAVATION INCLUDING THE UNDERCUTS.

UNDERCUT TABLE

PARK ROAD				
STATION			THICKNESS	UNDERDRAIN LOCATION
2014+50	to	2015+50	24"	2015+50
2015+50	to	2016+50	18"	2016+50
2016+50	to	2020+71	24"	2020+71
2020+71	to	2022+50	18"	2020+88
2022+50	to	2024+50	24"	2022+50
2024+50	to	2036+50	18"	2024+50
2036+50	to	2037+50	24"	2036+60
2037+50	to	2038+50	12"	2037+50
2038+50	to	2041+40	18"	2041+40
2041+40	to	2051+50	12"	2051+50
2051+50	to	2053+50	18"	2053+50
2053+50	to	2070+77	12"	2054+50
2070+77	to	967+50	12"	2067+50
967+50	to	971+50	12"	967+50
971+50	to	972+50	18"	971+50
972+50	to	974+50	18"	974+00
974+50	to	980+50	12"	980+50
980+50	to	982+50	18"	982+50
982+50	to	985+50	30"	985+50
985+50	to	987+50	24"	987+50
987+50	to	990+50	18"	990+50
990+50	to	991+50	12"	991+50
991+50	to	993+25	24"	993+25
993+25	to	995+50	18"	995+50
995+50	to	996+50	30"	996+50
996+50	to	998+50	12"	998+50
998+50	to	1000+00	24"	



DRAIN FOR AGGREGATE BASE COURSE

NOTE:
THE ROCK OUTLETS SHALL BE CONSTRUCTED USING CA7 AND WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC YARD FOR FRENCH DRAINS. THE THICKNESS SHALL BE THE SAME AS THE ADJACENT SUB-BASE MATERIAL AS NOTED ON THE PLANS AND SHALL INCLUDE THE COST OF THE FILTER FABRIC. THE ROCK OUTLETS WILL BE MEASURED IN CU TD, THE WIDTH BEING 36" BY THE LENGTH SHOWN ABOVE. THE FABRIC TO BE USED SHALL CONFORM TO THE GEOTECHNICAL FABRIC FOR THE FRENCH DRAIN.

EARTHWORK GENERAL NOTES

- ALL EARTHWORK QUANTITIES ARE CALCULATED BY THE METHOD OF AVERAGE END AREAS USING THE PLAN CROSS SECTIONS.
- SHRINKAGE FACTOR, ASSUMED TO BE 15% FOR THIS PROJECT IS ESTIMATED FOR THE PURPOSE OF DETERMINING A BALANCE OF EARTHWORK. THE CONTRATOR SHALL ESTIMATE THEIR OWN SHRINKAGE FACTORS IN DETERMINING THEIR EARTHWORK. NO PAYMENT WILL BE MADE ON EARTHWORK QUANTITIES DUE TO VARIATION IN THE SHRINKAGE FACTOR SINCE EARTHWORK IS MEASURED IN ITS FINAL POSITION. NO SHRINKAGE FACTOR WAS APPLIED TO TOPSOIL.
- FOR THE PURPOSE OF ESTIMATING TOPSOIL STRIPPING QUANTITIES, THE TOPSOIL THICKNESS WAS ESTIMATED AT SIX (6) INCHES.
- AREAS OF UNDERCUTS ARE AS NOTED ON THE UNDERCUT TABLE AND SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.
- TESTING OF SUBGRADES AND EMBANKMENTS WILL BE REQUIRED. TESTING REQUIREMENTS WILL BE PER THE APPLICABLE SECTIONS OF THE STANDARD SPECIFICATIONS AND THE SUBGRADE STABILITY MANUAL. IF PROOF ROLLS ARE REQUIRED BY THE ENGINEER, THE COST SHALL BE CONSIDERED INCLUDED IN THE COST OF EXCAVATION.
- EARTH EXCAVATION SHALL BE PAID FOR ONLY ONCE, REGARDLESS OF STAGING OR SEQUENCING OF CONTRACTORS OPERATIONS THAT REQUIRE STOCKPILING OF MATERIALS FOR LATER USE FOR REDISTRIBUTION AND RESPREADING IN CONSTRUCTING OF EMBANKMENTS.
- TOPSOIL EXCAVATION AND PLACEMENT WILL INCLUDE EXCAVATION OF THE TOPSOIL MATERIAL IN ITS ORIGINAL POSITION, TEMPORARY STOCK PILING FOR LATER USE, RE-HANDLING AND SPREADING OF THE FINAL TOPSOIL COURSE FOR THE THICKNESS SPECIFIED.
- THE FILL MATERIAL (CLAY SOIL) AND TOPSOIL MATERIAL FROM OFFSITE MUST BE STERILIZED AND FREE OF NOXIOUS WEEDS AND EXOTIC PLANTS, TREES, ROOTS OR RHIZOMES.

NOTE: UNDERCUT IS THE TOTAL DEPTH OF REMOVAL, INITIAL 12-INCHES OF EXCAVATION IS PART OF THE PROPOSED ROAD PROFILE.

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FILE NAME: P:\13-1005-10 Rock Cut State Park\10 BDOT\CAD Sheets\CONTRACT 210246930-Sub-Structure\01.dgn

EARTHWORK SCHEDULE

LOCATION	END AREAS					TOPSOIL			EARTHWORK			SUBGRADE IMPROVEMENT	
	TOPSOIL STRIPPING (TSS)	TOPSOIL EMBANKMENT	EXCAVATION (CUT)	EMBANKMENT (FILL)	AGGREGATE SUBGRADE IMPROVEMENT	21101505			20200100			30300011	210010000
						TOPSOIL EXCAVATION & PLACEMENT	TOPSOIL EMBANKMENT	BALANCE WASTE (+) OR SHORTAGE (-) (NO SHRINKAGE)	EARTHWORK EXCAVATION	EMBANKMENT	BALANCE WASTE (+) OR SHORTAGE (-)	AGGREGATE SUBGRADE IMPROVEMENT	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
	(SQ FT)	(SQ FT)	(SQ FT)	(SQ FT)	(SQ FT)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(TON)	(SQ YD)
PARK ROAD													
2014+50.00	0.0	0.0	0.0	0.0	0.0								
2015+00.00	19.3	17.5	116.6	2.2	49.8	17.9	16.2	1.7	108.0	2.0	89.8	96.8	63.0
2015+50.00	21.4	15.8	94.5	9.2	40.4	37.8	30.8	7.0	195.5	10.5	155.7	175.4	63.0
2016+00.00	22.1	16.4	87.4	6.3	29.6	40.3	29.8	10.5	168.5	14.4	128.8	136.1	63.0
2016+50.00	22.1	16.3	86.0	4.4	28.2	40.9	30.3	10.6	160.6	9.9	126.6	112.4	63.0
2017+00.00	23.0	17.5	104.4	3.5	37.8	41.8	31.3	10.5	176.3	7.3	142.6	128.3	63.0
2017+50.00	23.0	17.5	109.4	3.3	35.1	42.6	32.4	10.2	197.9	6.2	162.0	141.5	63.0
2018+00.00	22.3	16.9	105.3	2.6	34.8	41.9	31.8	10.1	198.8	5.4	163.6	135.9	63.0
2018+50.00	22.3	16.6	101.9	2.7	37.0	41.3	31.0	10.3	191.8	5.0	158.0	139.7	63.0
2019+00.00	22.4	16.4	98.4	3.7	37.9	41.4	30.6	10.8	185.5	6.0	151.7	145.7	63.0
2019+50.00	21.5	15.6	91.4	5.1	37.9	40.7	29.6	11.1	175.8	8.1	141.3	147.4	63.0
2020+00.00	20.6	14.6	87.0	7.2	35.6	39.0	27.9	11.1	165.2	11.4	129.0	143.0	63.0
2020+50.00	18.0	12.2	60.1	8.1	26.2	35.7	24.8	10.9	136.2	14.1	101.7	120.1	63.0
2021+00.00	18.7	12.9	62.3	9.5	25.1	33.9	23.2	10.7	113.3	16.2	80.1	99.8	63.0
2021+50.00	23.5	17.8	90.6	4.8	21.9	39.1	28.5	10.6	141.5	13.2	107.1	91.4	63.0
2022+00.00	23.8	18.1	103.4	1.7	23.6	43.8	33.3	10.5	179.6	6.0	146.7	88.4	63.0
2022+50.00	22.8	16.9	97.5	4.2	26.9	43.2	32.4	10.8	186.0	5.4	152.7	98.3	63.0
2023+00.00	22.0	16.3	98.2	2.3	40.9	41.4	30.7	10.7	181.2	6.0	148.0	131.9	63.0
2023+50.00	21.1	15.6	87.8	7.8	43.5	39.9	29.6	10.3	172.2	9.4	137.0	164.2	63.0
2024+00.00	16.5	14.6	64.5	11.3	43.0	34.8	28.0	6.8	141.1	17.7	102.2	168.2	63.0
2024+50.00	16.5	14.7	48.7	15.4		30.6	27.1	3.5	104.8	24.7	64.4	167.2	63.0
2025+00.00	16.7	14.9	48.8	19.3	31.8	30.8	27.4	3.4	90.2	32.2	44.5	123.9	63.0
2025+50.00	16.5	14.7	50.8	18.1	32.3	30.8	27.4	3.4	92.1	34.6	43.7	124.7	63.0
2026+00.00	16.1	14.3	56.8	13.2	32.2	30.2	26.8	3.4	99.6	29.0	55.7	125.6	63.0
2026+50.00	8.2	7.3	45.8	8.6	31.7	22.5	20.0	2.5	95.0	20.2	60.6	124.3	63.0
2027+00.00	19.2	13.6	66.2	14.2	32.4	25.4	19.4	6.0	103.7	21.1	67.0	124.5	63.0
2027+50.00	19.9	14.3	75.0	9.2	31.3	36.2	25.9	10.3	130.8	21.7	89.5	123.7	63.0
2028+00.00	19.7	14.3	77.3	2.3	28.6	36.7	26.5	10.2	141.0	10.7	109.2	116.3	63.0
2028+50.00	20.7	15.3	84.0	2.1	27.1	37.5	27.3	10.2	149.3	4.1	122.8	108.4	63.0
2029+00.00	20.3	14.8	77.1	5.6	27.3	38.0	27.8	10.2	149.1	7.1	119.6	105.8	63.0
2029+50.00	20.0	14.5	74.7	4.5	28.2	37.3	27.1	10.2	140.5	9.3	110.1	107.7	63.0
2030+00.00	20.8	15.4	83.1	2.8	27.0	37.8	27.6	10.2	146.1	6.7	117.5	107.3	63.0
2030+50.00	20.4	15.0	74.5	4.3	26.0	38.2	28.1	10.1	145.9	6.5	117.5	103.1	63.0
2031+00.00	20.1	14.6	74.9	5.1	27.4	37.5	27.4	10.1	138.3	8.7	108.9	104.0	63.0
2031+50.00	20.0	14.5	74.2	4.6	26.8	37.1	26.9	10.2	138.1	9.0	108.4	105.4	63.0
2032+00.00	20.2	14.6	75.4	3.8	26.3	37.2	26.9	10.3	138.6	7.7	110.1	103.3	63.0
2032+50.00	21.2	15.7	82.3	3.2	26.8	38.3	28.0	10.3	146.0	6.5	117.6	103.3	63.0
2033+00.00	20.2	14.8	72.1	6.1	26.6	38.3	28.2	10.1	142.9	8.6	112.9	104.0	63.0
2033+50.00	18.1	16.2	86.6	4.4	27.2	35.5	28.6	6.9	146.9	9.7	115.2	104.6	63.0
2034+00.00	17.4	15.6	91.1	3.4	27.7	32.8	29.4	3.4	164.6	7.2	132.7	106.7	63.0
2034+50.00	21.0	15.1	84.2	2.2	26.0	35.5	28.4	7.1	162.4	5.1	132.9	104.4	63.0
2035+00.00	21.6	15.9	82.7	3.4	26.9	39.4	28.7	10.7	154.5	5.2	126.1	102.9	63.0
2035+50.00	21.2	15.6	78.3	5.0	30.5	39.6	29.1	10.5	149.1	7.8	118.9	111.7	63.0
2036+00.00	18.4	16.3	70.4	8.2	33.1	36.7	29.5	7.2	137.7	12.2	104.8	123.7	63.0
2036+26.11	10.8	7.7	69.7	3.4	32.7	14.1	11.6	2.5	67.8	5.6	52.0	66.8	32.9
2036+50.00	17.6	16.3	85.0	10.5	43.7	12.6	10.6	2.0	68.5	6.1	52.1	71.0	30.1
(CONTINUED)													
SHRINKAGE FACTOR			15%		SHT. TOTAL	1604.0	1223.9	380.1	6518.5	501.5	5039.2	5338.6	2770.4
					ADJ. TOTAL	ADJUSTED TOTAL SHOWN AT END OF TABLE							

NOTE: AGGREGATE SUBGRADE IMPROVEMENT CONVERSION RATE IS 2.1 TON PER CU YD.

MODEL: Default
FILE NAME: 21101505-10 Rock Cut State Park10 BDOT/CAD Sheets/CONTRACT 210246936-shr-schedule 02.dgn

EARTHWORK SCHEDULE

LOCATION	END AREAS					TOPSOIL			EARTHWORK			SUBGRADE IMPROVEMENT		
	TOPSOIL STRIPPING (TSS)	TOPSOIL EMBANKMENT	EXCAVATION (CUT)	EMBANKMENT (FILL)	AGGREGATE SUBGRADE IMPROVEMENT	21101505	TOPSOIL EMBANKMENT	BALANCE WASTE (+) OR SHORTAGE (-) (NO SHRINKAGE)	20200100	EMBANKMENT	BALANCE WASTE (+) OR SHORTAGE (-)	30300011	210010000	
						TOPSOIL EXCAVATION & PLACEMENT			EARTHWORK EXCAVATION			AGGREGATE SUBGRADE IMPROVEMENT	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	
						(SQ FT)			(SQ FT)			(SQ FT)	(SQ FT)	(SQ FT)
PARK ROAD														
2037+00.00	20.9	15.1	82.7	13.6	41.8	35.7	29.0	6.7	155.3	22.3	109.7	166.1	63.0	
2037+50.00	20.8	15.2	87.1	6.0	42.0	38.6	28.0	10.6	157.2	18.2	115.4	163.0	63.0	
2038+00.00	20.8	15.3	74.8	9.6	31.0	38.5	28.2	10.3	149.9	14.4	113.0			
2038+50.00	21.8	16.1	79.2	9.7	27.4	39.5	29.0	10.5	142.5	17.8	103.3			
2039+00.00	19.7	16.7	69.7	8.2	28.1	38.5	30.4	8.1	137.9	16.6	100.6	107.9	63.0	
2039+21.73	8.8	6.3	66.8	6.3	28.6	11.5	9.2	2.3	54.9	5.8	40.9	47.9	27.4	
2039+50.00	18.7	16.3	75.5	9.5	29.8	14.4	11.8	2.6	74.5	8.3	55.0	64.3	35.6	
2040+00.00	21.8	16.3	86.2	10.7	32.8	37.5	30.2	7.3	149.8	18.7	108.6	121.8	63.0	
2040+50.00	24.1	18.7	102.5	6.0	33.2	42.5	32.5	10.0	174.8	15.5	133.1	128.3	63.0	
2041+00.00	25.7	13.4	100.9	9.6	28.3	46.0	29.7	16.3	188.3	14.5	145.6	119.5	63.0	
2041+50.00	23.4	17.7	101.1	5.2	14.4	45.4	28.7	16.7	187.0	13.7	145.3	83.0	63.0	
2042+00.00	19.3	17.4	107.6	3.2	10.8	39.5	32.4	7.1	193.3	7.8	156.5			
2042+50.00	23.7	17.7	103.5	3.5	9.7	39.8	32.4	7.4	195.5	6.2	160.0			
2043+00.00	22.5	16.4	93.8	8.0	14.0	42.8	31.6	11.2	182.7	10.7	144.6	46.2	63.0	
2043+50.00	21.7	15.7	69.7	22.0	16.2	40.9	29.8	11.1	151.4	27.8	100.9	58.6	63.0	
2044+00.00	20.2	14.5	59.8	16.4	17.9	38.8	28.0	10.8	119.9	35.5	66.4	66.2	63.0	
2044+50.00	19.9	14.3	66.5	9.6	15.2	37.1	26.6	10.5	117.0	24.1	75.4	64.3	63.0	
2045+00.00	20.1	14.3	66.2	10.1	13.0	37.0	26.5	10.5	122.9	18.3	86.2	54.8	63.0	
2045+50.00	18.5	12.6	56.0	9.2	15.9	35.7	24.9	10.8	113.1	17.9	78.2	56.3	63.0	
2046+00.00	20.1	14.0	62.0	10.8	17.3	35.7	24.6	11.1	109.3	18.5	74.4	64.7	63.0	
2046+50.00	26.5	20.6	92.2	27.3	17.0	43.1	32.1	11.0	142.7	35.3	86.0	66.8	63.0	
2047+00.00	27.5	21.3	103.1	12.7	17.1	50.1	38.8	11.3	180.8	37.1	116.6	66.4	63.0	
2047+50.00	30.8	24.5	136.3	18.1	20.0	54.0	42.4	11.6	221.6	28.5	159.9	72.2	63.0	
2048+00.00	30.7	24.4	191.9	7.3	19.1	56.9	45.3	11.6	303.9	23.6	234.7	76.0	63.0	
2048+50.00	29.5	23.4	198.2	5.7	17.4	55.7	44.2	11.5	361.2	12.0	295.0	70.8	63.0	
2049+00.00	23.6	17.5	111.2	6.2	17.2	49.1	37.9	11.2	286.4	11.0	232.4	67.2	63.0	
2049+50.00	21.8	15.6	81.4	1.3	16.1	42.0	30.6	11.4	178.3	7.0	144.6	64.9	63.0	
2050+00.00	21.6	15.6	72.2	3.2	16.2	40.2	28.8	11.4	142.2	4.2	116.7	63.0	63.0	
2050+50.00	20.6	14.8	64.5	10.0	12.5	39.1	28.1	11.0	126.6	12.3	95.3	55.9	63.0	
2051+00.00	19.6	14.0	62.6	7.1	5.8	37.3	26.7	10.6	117.7	15.9	84.1	35.7	63.0	
2051+50.00	16.1	14.1	61.9	9.1	21.0	33.1	26.0	7.1	115.3	15.1	82.9	52.3	63.0	
2052+00.00	16.4	14.6	57.7	14.2	32.5	30.1	26.5	3.6	110.7	21.6	72.5	104.2	63.0	
2052+37.89	11.5	10.6	191.8	2.3	31.0	19.6	17.6	2.0	175.1	11.5	137.3	93.7	47.7	
2053+00.00	34.7	57.6	135.4	17.2	32.4	53.1	78.4	-25.3	376.4	22.5	297.4	153.1	78.2	
2053+50.00	12.4	11.8	54.1	103.1	32.5	43.6	64.2	-20.6	175.5	111.4	37.8	126.2	63.0	
2054+00.00	11.5	12.6	49.9	239.9	25.0	22.2	22.6	-0.4	96.4	317.6	-235.7			
2054+50.00	17.1	17.3	46.4	162.0	23.2	26.5	27.7	-1.2	89.2	372.2	-296.4			
2055+00.00	33.9	32.3	5.3	132.6	21.5	47.2	45.9	1.3	47.9	272.8	-232.1			
2055+50.00	33.0	26.5	21.0	83.7	20.3	62.0	54.5	7.5	24.3	200.3	-179.6			
2056+00.00	22.0	14.7	1.7	79.8	41.4	50.9	38.1	12.8	21.0	151.4	-133.6			
2056+50.00	19.7	12.1	1.6	115.4	41.7	38.5	24.8	13.7	3.1	180.7	-178.1			
2057+00.00	19.0	11.4	2.0	150.1	40.3	35.8	21.8	14.0	3.4	245.8	-242.9			
2057+50.00	26.6	39.0	1.7	183.9	21.0	42.3	46.7	-4.4	3.5	309.2	-306.2			
2058+00.00	25.5	36.8	1.7	211.4	20.7	48.2	70.2	-22.0	3.1	366.0	-363.4			
2058+50.00	25.9	38.0	2.1	232.5	20.7	47.6	69.3	-21.7	3.5	411.0	-408.0			
2059+00.00	28.6	42.4	2.1	275.4	20.3	50.5	74.4	-23.9	3.9	470.3	-467.0			
(CONTINUED)														
SHRINKAGE FACTOR					15%	SHT. TOTAL	1854.1	1607.1	247.0	6190.9	3998.9	1263.4	2580.9	1888.9
					ADJ. TOTAL	ADJUSTED TOTAL SHOWN AT END OF TABLE								

NOTE: AGGREGATE SUBGRADE IMPROVEMENT CONVERSION RATE IS 2.1 TON PER CU YD.

MODEL: Default
FILE NAME: P:\13-1005-10 Rock Cut State Park\10 BDOT\CAD Sheets\CONTRACT 210246930\h-schedule_03.dgn

EARTHWORK SCHEDULE

LOCATION	END AREAS					TOPSOIL			EARTHWORK			SUBGRADE IMPROVEMENT		
	TOPSOIL STRIPPING (TSS)	TOPSOIL EMBANKMENT	EXCAVATION (CUT)	EMBANKMENT (FILL)	AGGREGATE SUBGRADE IMPROVEMENT	21101505	TOPSOIL EMBANKMENT	BALANCE WASTE (+) OR SHORTAGE (-) (NO SHRINKAGE)	20200100	EMBANKMENT	BALANCE WASTE (+) OR SHORTAGE (-)	30300011	210010000	
						TOPSOIL EXCAVATION & PLACEMENT			EARTHWORK EXCAVATION			AGGREGATE SUBGRADE IMPROVEMENT	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	
						(SQ FT)			(SQ FT)			(SQ FT)	(SQ FT)	(SQ FT)
PARK ROAD														
2059+50.00	27.7	42.4	2.2	240.4	20.7	52.0	78.5	-26.5	4.0	477.6	-474.2			
2060+00.00	28.5	42.1	2.2	270.4	20.4	52.0	78.2	-26.2	4.1	473.0	-469.5			
2060+50.00	27.4	39.3	2.1	258.4	20.4	51.8	75.4	-23.6	4.0	489.6	-486.2			
2061+00.00	27.3	39.4	2.0	248.7	20.8	50.7	72.9	-22.2	3.8	469.5	-466.3			
2061+50.00	26.2	36.6	2.0	196.3	21.1	49.5	70.4	-20.9	3.7	412.0	-408.9			
2062+00.00	25.9	37.7	13.9	97.3	21.2	48.2	68.8	-20.6	14.7	271.9	-259.4			
2062+50.00	26.9	39.9	49.0	24.0	21.2	48.9	71.9	-23.0	58.2	112.3	-62.8			
2063+00.00	28.0	42.5	94.4	2.0	19.1	50.8	76.3	-25.5	132.8	24.1	88.8			
2063+50.00	25.2	39.4	81.0	1.4	17.1	49.2	75.8	-26.6	162.4	3.1	134.9			
2064+00.00	24.0	24.0	61.8	9.8	20.5	45.5	58.7	-13.2	132.2	10.4	102.0			
2064+50.00	24.8	18.6	53.4	15.3	21.0	45.2	39.5	5.7	106.7	23.3	67.4			
2065+00.00	23.3	17.2	50.9	12.0	20.6	44.5	33.2	11.3	96.6	25.3	56.8			
2065+50.00	25.8	19.7	49.2	24.9	17.0	45.4	34.1	11.3	92.7	34.2	44.6			
2066+00.00	24.3	18.4	48.0	34.3	21.1	46.3	35.2	11.1	90.0	54.8	21.7			
2066+50.00	22.3	16.7	44.1	60.7	22.0	43.2	32.4	10.8	85.3	87.9	-15.4			
2067+00.00	30.4	24.6	43.5	125.6	21.8	48.8	38.2	10.6	81.1	172.5	-103.6			
2067+50.00	37.2	32.4	47.5	171.9	23.8	62.6	52.7	9.9	84.3	275.5	-203.8			
2068+00.00	10.2	10.7	47.8	147.4	23.9	43.8	39.8	4.0	88.2	295.7	-220.7			
2068+50.00	40.8	17.9	44.5	102.3	21.4	47.2	26.5	20.7	85.4	231.2	-158.6			
2069+00.00	23.1	17.2	65.6	41.5	21.0	59.2	32.5	26.7	101.9	133.1	-46.5			
2069+50.00	19.6	13.3	46.0	60.6	20.2	39.6	28.2	11.4	103.3	94.5	-6.7			
2070+00.00	21.1	15.4	42.8	97.8	21.4	37.7	26.6	11.1	82.2	146.7	-76.8			
2070+50.00	24.4	20.4	79.1	83.4	30.6	42.1	33.2	8.9	112.9	167.8	-71.8			
2070+70.02	17.9	15.1	90.3	65.2	27.4	15.7	13.2	2.5	62.8	55.1	-1.7			
967+00.00	33.9	25.9	83.5	119.9	24.8	28.8	22.8	6.0	96.6	102.8	-20.7			
967+50.00	34.5	28.6	41.7	156.9	20.8	63.3	50.5	12.8	115.9	256.4	-157.9			
968+00.00	28.9	23.4	44.6	128.8	21.1	58.8	48.2	10.6	79.8	264.6	-196.8			
968+50.00	38.7	32.6	42.2	165.2	19.1	62.7	51.8	10.9	80.4	272.2	-203.9			
969+00.00	32.0	25.7	42.0	116.1	19.2	65.5	53.9	11.6	78.0	260.5	-194.2			
969+50.00	26.6	20.6	43.3	68.4	20.2	54.2	42.8	11.4	79.0	170.9	-103.8			
970+00.00	19.6	13.5	42.0	39.3	20.8	42.7	31.5	11.2	79.0	99.7	-32.6			
970+50.00	17.5	11.6	47.2	19.3	21.0	34.3	23.3	11.0	82.6	54.2	16.0			
971+00.00	21.8	16.1	74.8	9.5	19.7	36.3	25.7	10.6	113.0	26.7	69.4			
971+50.00	24.0	18.3	105.9	4.1	26.7	42.4	31.8	10.6	167.3	12.6	129.6			
972+00.00	22.6	16.9	94.3	6.4	27.8	43.1	32.6	10.5	185.3	9.7	147.8	105.8	63.0	
972+50.00	15.9	13.7	97.3	6.4	29.7	35.7	28.4	7.3	177.3	11.9	138.8	111.7	63.0	
972+74.73	15.6	13.3	92.4	5.3	28.3	14.4	12.4	2.0	86.8	5.3	68.5	55.7	31.1	
973+00.00	16.9	14.3	94.8	5.2	27.6	15.2	12.9	2.3	87.6	4.9	69.6	54.8	31.8	
973+50.00	21.4	15.9	87.7	6.1	27.6	35.4	28.0	7.4	169.0	10.4	133.3	107.3	63.0	
974+00.00	19.6	14.2	83.0	5.0	25.8	37.9	27.9	10.0	158.1	10.2	124.2	103.7	63.0	
974+50.00	18.6	13.3	79.9	2.5	25.4	35.4	25.5	9.9	150.8	6.9	121.3	99.5	63.0	
975+00.00	23.1	17.5	93.9	2.4	14.0	38.6	28.6	10.0	160.9	4.5	132.3			
975+51.90	18.2	15.1	115.2	2.2	17.1	39.7	31.4	8.3	201.0	4.4	166.5			
976+00.00	21.8	15.8	77.3	4.6	11.8	35.7	27.5	8.2	171.4	6.1	139.6			
976+50.00	21.7	15.6	70.0	8.1	12.3	40.3	29.1	11.2	136.4	11.8	104.1			
977+00.00	20.2	14.1	62.7	9.0	13.5	38.7	27.5	11.2	122.9	15.9	88.6			
(CONTINUED)														
SHRINKAGE FACTOR					15%	SHT. TOTAL	2019.0	1886.3	132.7	4572.4	6163.7	-2277.2	638.6	377.8
					ADJ. TOTAL	ADJUSTED TOTAL SHOWN AT END OF TABLE								

NOTE: AGGREGATE SUBGRADE IMPROVEMENT CONVERSION RATE IS 2.1 TON PER CU YD.

MODEL: Default
FILE NAME: P:\13-1005-10 Rock Cut State Park\10 BDOT\CAD Sheets\CONTRACT 210246930\h-schedule_04.dgn

EARTHWORK SCHEDULE

LOCATION	END AREAS					TOPSOIL			EARTHWORK			SUBGRADE IMPROVEMENT	
	TOPSOIL STRIPPING (TSS)	TOPSOIL EMBANKMENT	EXCAVATION (CUT)	EMBANKMENT (FILL)	AGGREGATE SUBGRADE IMPROVEMENT	21101505	TOPSOIL EMBANKMENT	BALANCE WASTE (+) OR SHORTAGE (-) (NO SHRINKAGE)	20200100	EMBANKMENT	BALANCE WASTE (+) OR SHORTAGE (-)	30300011	210010000
						TOPSOIL EXCAVATION & PLACEMENT			EARTHWORK EXCAVATION			AGGREGATE SUBGRADE IMPROVEMENT	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
						(CU YD)			(CU YD)			(TON)	(SQ YD)
PARK ROAD													
977+50.00	18.4	12.5	54.5	9.9	15.6	35.7	24.7	11.0	108.5	17.5	74.7		
978+00.00	19.1	13.2	48.5	20.4	16.6	34.8	23.8	11.0	95.3	28.0	53.0		
978+50.00	18.7	12.7	51.3	9.6	19.5	35.0	24.0	11.0	92.4	27.8	50.7		
979+00.00	12.1	12.2	46.4	7.4	20.7	28.6	23.0	5.6	90.5	15.8	61.1		
979+50.00	12.2	13.1	31.3	15.1	21.2	22.5	23.4	-0.9	72.0	20.9	40.3		
980+00.00	11.1	11.1	34.4	12.4	21.4	21.6	22.4	-0.8	60.9	25.4	26.4		
980+50.00	13.9	14.0	55.5	9.8	31.4	23.2	23.2	0.0	83.3	20.5	50.3		
981+00.00	20.9	15.0	76.8	6.8	31.3	32.2	26.8	5.4	122.5	15.4	88.7	122.0	63.0
981+50.00	21.0	10.5	60.7	12.8	30.2	38.8	23.6	15.2	127.3	18.1	90.1	119.5	63.0
982+00.00	14.7	15.9	104.4	1.6	25.7	33.1	24.5	8.6	152.9	13.3	116.7	108.8	63.0
982+50.00	23.1	17.0	100.6	4.7	27.0	35.0	30.5	4.5	189.9	5.9	155.5	102.5	63.0
983+00.00	21.3	15.1	88.8	7.8	50.2	41.1	29.8	11.3	175.3	11.6	137.4	149.9	63.0
983+50.00	22.4	15.9	89.9	6.5	49.5	40.6	28.8	11.8	165.4	13.3	127.3	193.8	63.0
984+00.00	24.1	18.0	100.6	7.3	51.6	43.1	31.5	11.6	176.4	12.8	137.1	196.6	63.0
984+50.00	24.1	18.2	101.6	8.8	52.6	44.7	33.6	11.1	187.2	14.9	144.2	202.7	63.0
985+00.00	23.0	16.6	91.0	11.3	50.1	43.7	32.3	11.4	178.3	18.6	133.0	199.7	63.0
985+50.00	21.7	15.3	87.6	13.5	50.0	41.4	29.6	11.8	165.4	22.9	117.7	194.7	63.0
986+00.00	22.2	16.3	86.7	9.1	39.6	40.6	29.2	11.4	161.4	20.9	116.3	174.3	63.0
986+50.00	22.9	36.9	86.8	10.9	40.3	41.7	49.2	-7.5	160.6	18.5	118.0	155.4	63.0
987+00.00	22.7	16.7	88.2	9.4	39.9	42.1	49.6	-7.5	162.0	18.8	118.9	156.0	63.0
987+50.00	22.9	16.4	84.5	13.1	37.4	42.2	30.6	11.6	159.9	20.8	115.1	150.4	63.0
988+00.00	19.6	13.5	65.9	19.6	29.2	39.4	27.6	11.8	139.3	30.3	88.1	129.6	63.0
988+50.00	19.1	13.2	67.1	19.2	30.6	35.8	24.7	11.1	123.2	36.0	68.7	116.3	63.0
989+00.00	20.7	14.7	73.2	15.7	28.4	36.8	25.8	11.0	130.0	32.3	78.2	114.9	63.0
989+50.00	22.6	16.7	90.4	12.5	25.7	40.0	29.0	11.0	151.5	26.1	102.7	105.2	63.0
990+00.00	24.0	18.2	93.3	17.0	26.5	43.1	32.3	10.8	170.1	27.3	117.3	101.4	63.0
990+50.00	25.5	19.4	90.3	24.5	28.7	45.9	34.8	11.1	170.0	38.4	106.1	107.3	63.0
991+00.00	27.9	21.9	112.5	6.3	14.7	49.4	38.2	11.2	187.8	28.6	131.0		
991+50.00	25.4	19.5	130.4	7.0	34.1	49.4	38.3	11.1	224.9	12.4	178.8		
992+00.00	26.1	20.1	131.0	10.3	39.1	47.7	36.7	11.0	242.0	16.0	189.7	142.4	63.0
992+50.00	25.8	68.6	112.6	31.6	42.7	48.1	82.2	-34.1	225.6	38.8	153.0	159.0	63.0
993+00.00	17.4	17.4	24.4	46.8	45.1	40.0	79.7	-39.7	126.9	72.5	35.4	170.7	63.0
993+50.00	40.9	33.4	92.7	51.0	48.4	54.0	47.1	6.9	108.4	90.5	1.6	181.9	63.0
993+79.35	11.6	9.5	93.7	56.9	36.7	28.6	23.3	5.3	101.3	58.7	27.4	97.0	37.0
994+00.00	26.3	26.4	113.1	75.0	50.6	14.5	13.7	0.8	79.1	50.4	16.8	70.1	26.0
994+50.00	19.5	15.2	67.1	88.3	36.4	42.4	38.5	3.9	166.9	151.1	-9.2	169.3	63.0
995+00.00	17.5	12.6	58.0	76.9	34.8	34.2	25.8	8.4	115.9	153.0	-54.5	138.4	63.0
995+50.00	16.1	10.8	56.1	28.2	33.3	31.1	21.7	9.4	105.6	97.4	-7.6	132.3	63.0
996+00.00	19.7	13.6	77.7	41.4	42.8	33.1	22.5	10.6	123.8	64.5	40.7	147.8	63.0
996+50.00	15.4	10.8	87.9	24.5	47.0	32.5	22.6	9.9	153.3	61.0	69.3	174.5	63.0
997+00.00	18.0	14.0	63.4	29.5	19.1	30.9	23.0	7.9	140.1	50.0	69.1		
997+50.00	20.4	16.6	83.1	12.2	19.8	35.5	28.4	7.1	135.6	38.6	76.7		
998+00.00	25.4	19.9	111.5	3.3	15.4	42.4	33.9	8.5	180.1	14.3	138.8		
998+50.00	28.5	23.2	174.9	0.5	38.9	49.9	39.9	10.0	265.2	3.5	221.9		
999+00.00	28.5	23.4	180.2	0.2	39.6	52.8	43.1	9.7	328.8	0.7	278.8	152.7	63.0
999+50.00	25.6	20.3	151.8	3.6	39.1	50.1	40.4	9.7	307.4	3.6	257.7	153.1	63.0
(CONTINUED)													
SHRINKAGE FACTOR			15%		SHT. TOTAL	1769.3	1487.3	282.0	7090.2	1577.7	4449.0	4790.1	2014.8
					ADJ. TOTAL	ADJUSTED TOTAL SHOWN AT END OF TABLE							

NOTE: AGGREGATE SUBGRADE IMPROVEMENT CONVERSION RATE IS 2.1 TON PER CU YD.

MODEL: Default
FILE NAME: P:\13-1005-10 Rock Cut State Park\10 BDOT\CAD Sheets\CONTRACT 210246930\h-schedule_05.dgn

EARTHWORK SCHEDULE

LOCATION	END AREAS					TOPSOIL			EARTHWORK			SUBGRADE IMPROVEMENT		
	TOPSOIL STRIPPING (TSS)	TOPSOIL EMBANKMENT	EXCAVATION (CUT)	EMBANKMENT (FILL)	AGGREGATE SUBGRADE IMPROVEMENT	21101505			20200100			30300011	210010000	
						TOPSOIL EXCAVATION & PLACEMENT	TOPSOIL EMBANKMENT	BALANCE WASTE (+) OR SHORTAGE (-) (NO SHRINKAGE)	EARTHWORK EXCAVATION	EMBANKMENT	BALANCE WASTE (+) OR SHORTAGE (-)	AGGREGATE SUBGRADE IMPROVEMENT	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	
														(SQ FT)
<u>PARK ROAD</u>														
1000+00.00	22.2	17.4	117.3	4.1	38.7	44.3	34.9	9.4	249.2	7.1	204.7	151.2	63.0	
1000+29.90	5.6	5.1	65.2	0.0	0.0	15.4	12.5	2.9	101.0	2.3	83.6	44.9	37.7	
<u>RED OAK</u>														
200+28.50	63.6	15.7	35.0	125.2										
201+00.00	11.5	11.7	127.1	70.5		99.5	36.2	63.3	214.7	259.1	-76.6			
201+50.00	11.8	9.2	181.4	7.8		21.6	19.3	2.3	285.7	72.6	170.2			
202+00.00	8.0	5.2	267.0	2.7		18.3	13.3	5.0	415.2	9.7	343.2			
202+50.00	5.6	4.8	215.8	0.1		12.6	9.3	3.3	447.0	2.5	377.5			
203+00.00	9.4	8.3	120.8	11.9		13.9	12.1	1.8	311.7	11.1	253.8			
203+50.00	17.4	16.0	93.0	63.3		24.9	22.5	2.4	198.0	69.6	98.7			
204+00.00	13.0	10.6	95.4	42.6		28.2	24.6	3.6	174.4	98.0	50.2			
204+50.00	15.9	12.4	115.1	21.4		26.8	21.3	5.5	194.9	59.2	106.5			
205+00.00	13.3	12.7	93.0	7.4		27.0	23.2	3.8	192.6	26.7	137.0			
205+50.00	21.4	19.8	73.3	8.2		32.1	30.1	2.0	154.0	14.5	116.4			
206+00.00	21.2	19.6	62.4	6.9		39.4	36.5	2.9	125.7	14.0	92.8			
206+50.00	18.1	20.4	22.6	41.9		36.4	37.0	-0.6	78.8	45.2	21.8			
207+00.00	19.4	18.1	25.2	42.6		34.7	35.6	-0.9	44.3	78.3	-40.6			
207+50.00	17.0	15.7	37.7	10.6		33.7	31.3	2.4	58.3	49.3	0.3			
208+00.00	21.3	20.0	81.6	2.1		35.4	33.0	2.4	110.5	11.8	82.1			
208+50.00	8.3	20.4	65.2	0.9		27.3	37.4	-10.1	135.9	2.8	112.7			
SHRINKAGE FACTOR					15%	SHT. TOTAL	571.5	470.1	101.4	3491.9	833.8	2134.3	196.1	100.6
						TOTAL	7817.9	6205.0	1612.9	28995.5	12352.0	12294.2	13544.4	7152.5
						ADJ. TOTAL	7818.0	6205.0	1613.0	28996.0	12352.0	12295.0	13545.0	7153.0

NOTE: AGGREGATE SUBGRADE IMPROVEMENT CONVERSION RATE IS 2.1 TON PER CU YD.

MODEL: Default
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REMOVAL SCHEDULE

	20100110	20100210	20100500	44000600	50105220	63200310	X0300019	X0300249	X0301339	X1700114	X7240207	X7240300	Z0022800
LOCATION	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	TREE REMOVAL (OVER 15 UNITS DIAMETER)	TREE REMOVAL, ACRES	SIDEWALK REMOVAL	PIPE CULVERT REMOVAL	GUARDRAIL REMOVAL	REMOVE AND REINSTALL PARKING BLOCKS	REMOVE EXISTING GATE	REMOVE EXISTING PARKING BLOCKS	CONCRETE PAD REMOVAL	REMOVE EXISTING SIGN COMPLETE	SIGN REMOVAL	FENCE REMOVAL
	(UNIT)	(UNIT)	(ACRE)	(SQ FT)	(FOOT)	(FOOT)	(EACH)	(EACH)	(EACH)	(SQ FT)	(EACH)	(EACH)	(FOOT)
PARK ROAD													
STATION STATION													
2015+00 - 2021+00			0.41		163.6						1.0		50
2021+00 - 2027+00			0.42		12.1								
2027+00 - 2033+00			0.37										
2033+00 - 2039+00		34.0	0.28		104.9							1.0	
2039+00 - 2045+00			0.39										
2045+00 - 2051+00			0.52										
2051+00 - 2057+00			0.35		134.4		2.0		11.0			1.0	
2057+00 - 2063+00			0.43		12.1				1.0				
2063+00 - 2069+00			0.37		116.7								
2069+00 - 971+00			0.60		78.9	277.5		1.0			3.0		28
971+00 - 977+00	15.0	16.0	0.38										
977+00 - 983+00			0.35		45.0							2.0	
983+00 - 989+00			0.34										
989+00 - 995+00			0.36		101.1						1.0	1.0	
995+00 - 1001+00			0.31		40.6								
RED OAK													
STATION STATION													
199+00 - 204+00	58.0		0.02				13.0		76.0		1.0	5.0	
204+00 - 210+00			0.19		32.2				5.0			1.0	
PURI CREST PARKING													
STATION STATION													
20+00 - 25+00				342.9			8.0		32.0	102.8	1.0		20.0
LIONS CLUB PARKING													
STATION STATION													
30+00 - 35+00			0.06				8.0		34.0		1.0	3.0	
PARKING LOT & KID'S FISHING POND													
STATION STATION													
1+00 - 8+50	26	71	0.30										
TOTAL	99.0	121.0	6.5	342.87	841.6	277.5	31.0	1.0	159.0	102.8	8.0	14.0	98.0
ADJUSTED TOTAL	99.0	121	7	343	842	278	31	1	159	103	8	14	98

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	DESIGNED - BCD	REVISED -
	DRAWN - KKH	REVISED -
PLOT SCALE = 20.0000' = 1" = 20.0000'	CHECKED - LDC	REVISED -
PLOT DATE = 9/13/2022	DATE - 9/12/22	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES
ROCK CUT STATE PARK

SCALE: SHEET 7 OF 12 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	ROCK CUT PHASE 3 - 2023	WINNEBAGO	139	20
CONTRACT NO. 46934				
ILLINOIS FED. AID PROJECT				

PAVEMENT SCHEDULE

	30300011	31101400	40200900	40600275	40600290	40602965	40604000	42400200	60600605	64100115	X0321309	X0323013	X0323378
LOCATION	AGGREGATE SUBGRADE IMPROVEMENT	SUBBASE GRANULAR MATERIAL, TYPE B 6"	AGGREGATE SURFACE COURSE, TYPE B	BITUMINOUS MATERIALS (PRIME COAT)	BITUMINOUS MATERIALS (TACK COAT)	HOT-MIX ASPHALT BINDER COURSE, IL-9.5FG, MIX "C", N50	HOT-MIX ASPHALT SURFACE COURSE, IL- 9.5FG, MIX "C", N50	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	CONCRETE CURB, TYPE B	SIGHT SCREEN (WOODEN FENCE), TYPE P 6'	CONCRETE PAD	TUBULAR STEEL GATE	CONCRETE PARKING BLOCKS
	(TON)	(SQ YD)	(CU YD)	(POUND)	(POUND)	(TON)	(TON)	(SQ FT)	(FOOT)	(FOOT)	(SQ YD)	(EACH)	(EACH)
PARK ROAD													
STATION STATION													
2015+00 - 2021+00	1591.0			4814.2	481.4	239.6	239.6						
2021+00 - 2027+00	1586.6	50.3		4913.3	491.3	248.8	244.6						
2027+00 - 2033+00	1586.6			4800.0	480.0	238.9	243.1						
2033+00 - 2039+00	1605.4	24.8		4860.6	486.1	242.0	242.0						
2039+00 - 2045+00	1574.5	68.4		4972.6	497.3	253.2	253.2						
2045+00 - 2051+00	1586.6			4800.0	480.0	238.9	238.9						
2051+00 - 2057+00	1465.8	307.5		5103.7	510.4	279.9	279.9						11.0
2057+00 - 2063+00	1135.4	666.9		4850.1	485.0	297.4	297.4						1.0
2063+00 - 2069+00	1180.4	574.6	1.4	4737.5	473.7	235.8	284.1					1.0	
2069+00 - 971+00	1652.4			5011.6	501.2	297.8	249.5						
971+00 - 977+00	1646.4			4992.4	499.2	248.5	248.5						
977+00 - 983+00	1586.6	42.9		4881.1	488.1	246.6	246.6						
983+00 - 989+00	1586.6			4800.0	480.0	238.9	238.9						
989+00 - 995+00	1632.8			4948.5	494.8	246.3	246.3						
995+00 - 1001+00	1412.2			4239.4	423.9	211.0	211.0						
RED OAK													
STATION STATION													
199+00 - 204+00	2820.4	15.0		8799.9	880.0	439.3	439.3	1148.0		32.0	32.0		76.0
204+00 - 210+00	1255.5			3735.8	373.6	186.0	186.0	284.6					5.0
PURI CREST PARKING													
STATION STATION													
20+00 - 25+00	1481.2			4461.3	446.1	222.1	222.1	785.2		36.0	16.0		32.0
LIONS CLUB PARKING													
STATION STATION													
30+00 - 35+00	1658.8			5032.3	503.2	250.5	250.5	611.5		36.0	16.0		34.0
PARKING LOT & KID'S FISHING POND													
STATION STATION													
1+00 - 8+50	521.9	396.9	2.6	1527.7	152.8	89.2	90.3	2104.7	71.0				14.0
TOTAL	30567.1	2147.3	4.0	96282.0	9628.2	4950.8	4951.9	4934.0	71.0	104.0	64.0	1.0	173.0
ADJUSTED TOTAL	30568	2148	5	96283	9629	4951	4952	4934	71	104	64	1	173

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DRAWN - KKH	REVISED -
CHECKED - LDC	REVISED -
DATE - 9/12/22	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES
ROCK CUT STATE PARK

SCALE: SHEET 8 OF 12 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	ROCK CUT PHASE 3 - 2023	WINNEBAGO	139	21
CONTRACT NO. 46934				
ILLINOIS FED. AID PROJECT				

DRAINAGE SCHEDULE

LOCATION	54213657	54213669	54214710	54214713	54001001	542A0217	542A0229	542A5470	542A5473	54010302			28100105	28200200	59300100
	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	PRECAST REINFORCED CONCRETE FLARED END SECTIONS - ELLIPTICAL, EQUIVALENT ROUND-SIZE 15"	PRECAST REINFORCED CONCRETE FLARED END SECTIONS - ELLIPTICAL, EQUIVALENT ROUND-SIZE 18"	PRECAST REINFORCED CONCRETE FLARED END SECTIONS - 2'X3' BOX CULVERT	PIPE CULVERTS, CLASS A, TYPE 1 12"	PIPE CULVERTS, CLASS A, TYPE 1 24"	PIPE CULVERTS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 15"	PIPE CULVERTS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 18"	PIPE CULVERTS, CLASS A, TYPE 1 2x3' BOX CULVERT	CATCH BASINS, TYPE A, 5'- DIAMETER, TYPE 37 GRATE	CATCH BASINS, TYPE A, 4'- DIAMETER, TYPE 37 GRATE	STONE RIPRAP, CLASS A3	FILTER FABRIC	CONTROLLED LOW-STRENGTH MATERIAL
	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(EACH)	(EACH)	(SQ YD)	(SQ YD)	(CU YD)
PARK ROAD															
STATION STATION															
2015+00 - 2021+00	2.0			6.0		16.0			126.0				33.3	33.3	44.0
2021+00 - 2027+00	4.0					40.0							13.3	13.3	
2027+00 - 2033+00															
2033+00 - 2039+00	5.0					80.0							13.3	13.3	10.0
2039+00 - 2045+00	5.0					104.0							20.0	20.0	10.0
2045+00 - 2051+00															
2051+00 - 2057+00	2.0		2.0			24.0		72.0			1.0		14.7	14.7	
2057+00 - 2063+00															
2063+00 - 2069+00															
2069+00 - 971+00															
971+00 - 977+00															
977+00 - 983+00	4.0			2.0		48.0			48.0				22.7	22.7	10.0
983+00 - 989+00															
989+00 - 995+00		1.0					80.0					1.0	19.0	19.0	19.0
995+00 - 1001+00					2.0					48.0			26.7	26.7	15.0
RED OAK															
STATION STATION															
199+00 - 204+00															
204+00 - 210+00															
PURI CREST PARKING															
STATION STATION															
20+00 - 25+00															
LIONS CLUB PARKING															
STATION STATION															
30+00 - 35+00															
PARKING LOT & KIDS FISHING POND PATH															
STATION STATION															
1+00 - 8+50	1.0					24.0						1.0	50.0	50.0	
TOTAL	23.0	1.0	2.0	8.0	2.0	336.0	80.0	72.0	174.0	48.0	1.0	2.0	213.0	213.0	108.0
ADJUSTED TOTAL	23	1	2	8	2	336	80	72	174	48	1	2	214	214	108

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DRAWN -	KKH	REVISED -	
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DATE -	9/12/22	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES
ROCK CUT STATE PARK

SCALE: SHEET 9 OF 12 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	ROCK CUT PHASE 3 - 2023	WINNEBAGO	139	22
CONTRACT NO. 46934				
ILLINOIS FED. AID PROJECT				

EROSION CONTROL SCHEDULE

LOCATION	20101000	25000115	25000400	25000500	25000600	25100115	25100630	28000250	28000305	28000315	28000500	X2510001	X2800400
	TEMPORARY FENCE	SEEDING, CLASS 1B	NITROGEN FERTILIZER NUTRIENT	PHOSPHORUS FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT	MULCH, METHOD 2	EROSION CONTROL BLANKET	TEMPORARY EROSION CONTROL SEEDING	TEMPORARY DITCH CHECKS	AGGREGATE DITCH CHECKS	INLET AND PIPE PROTECTION	WOODLAND SEEDING, SPECIAL	PERIMETER EROSION BARRIER, SPECIAL
	(FOOT)	(ACRE)	(POUND)	(POUND)	(POUND)	(ACRE)	(SQ YD)	(POUND)	(FOOT)	(TON)	(EACH)	(SQ FT)	(FOOT)
PARK ROAD													
STATION STATION													
2015+00 - 2021+00	1240.0	0.30	27.0	27.0	27.0	0.30	1450.4	30.0	180.0		2.0	12442.6	1240.0
2021+00 - 2027+00	1152.7	0.29	26.3	26.3	26.3	0.29	1416.6	29.3	120.0		2.0	11645.1	1152.7
2027+00 - 2033+00	1215.9	0.30	27.0	27.0	27.0	0.30	1454.2	30.0	240.0			11083.8	1215.9
2033+00 - 2039+00	887.9	0.23	20.9	20.9	20.9	0.23	1126.5	23.3	350.0		3.0	8615.6	887.9
2039+00 - 2045+00	1126.2	0.28	25.2	25.2	25.2	0.28	1353.2	28.0	440.0		2.0	12033.2	1126.2
2045+00 - 2051+00	1221.4	0.28	25.4	25.4	25.4	0.28	1366.2	28.2	460.0			16503.0	1221.4
2051+00 - 2057+00	916.8	0.41	37.1	37.1	37.1	0.41	1992.8	41.2	250.0	3.8	3.0	11528.7	993.6
2057+00 - 2063+00	1207.5	0.36	32.8	32.8	32.8	0.36	1765.1	36.5	80.0		1.0	15830.9	1207.5
2063+00 - 2069+00	1155.8	0.41	36.5	36.5	36.5	0.41	1965.0	40.6	160.0			11793.2	1222.4
2069+00 - 971+00	1255.1	0.41	37.3	37.3	37.3	0.41	2008.5	41.5	140.0			13716.8	1255.1
971+00 - 977+00	841.3	0.20	18.0	18.0	18.0	0.20	967.4	20.0	120.0			13218.8	841.3
977+00 - 983+00	1211.1	0.29	26.0	26.0	26.0	0.29	1399.1	28.9	500.0		3.0	10319.3	1211.1
983+00 - 989+00	1196.7	0.30	27.0	27.0	27.0	0.30	1453.7	30.0	570.0			12430.8	1196.7
989+00 - 995+00	1218.7	0.34	30.4	30.4	30.4	0.34	1633.1	33.7	120.0		1.0	16255.3	1218.7
995+00 - 1001+00	1074.7	0.26	23.2	23.2	23.2	0.26	1250.1	25.8			1.0	12588.6	1074.7
RED OAK													
STATION STATION													
199+00 - 204+00	188.06	0.27	24.4	24.4	24.4	0.27	1311.1	27.1					1034.9
204+00 - 210+00	852.5	0.30	27.2	27.2	27.2	0.30	1461.2	30.2	270.0		1.0	6709.8	1007.0
PURI CREST PARKING													
STATION STATION													
20+00 - 25+00		0.22	20.2	20.2	20.2	0.22	1088.1	22.5					1197.9
LIONS CLUB PARKING													
STATION STATION													
30+00 - 35+00		0.28	24.9	24.9	24.9	0.28	1337.9	27.6					1330.8
PARKING LOT & KID'S FISHING POND													
STATION STATION													
1+00 - 8+50	402.1	0.22	19.4	19.4	19.4	0.22	1045.4	21.6					530.8
TOTAL	18364.5	6.0	536.4	536.4	536.4	6.0	28845.7	596.0	4000.0	3.8	19.0	196715.5	22166.5
ADJUSTED TOTAL	18365.0	6	537	537	537	6	28846	596	4000	4	19	196716	22167

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DATE - 9/12/22	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES ROCK CUT STATE PARK			
SCALE:	SHEET 10 OF 12 SHEETS	STA.	TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	ROCK CUT PHASE 3 - 2023	WINNEBAGO	139	23
CONTRACT NO. 46934				
ILLINOIS FED. AID PROJECT				

PAVEMENT MARKING SCHEDULE

	72000100	72800100	73000100	78000100	78000200	78000400	78000600	78000650	X0327880	X2600016
LOCATION	SIGN PANEL - TYPE 1	TELESCOPING STEEL SIGN SUPPORT	WOOD SIGN SUPPORT	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	WAYFINDING SIGN, SPECIAL	MINOR SIGN COMPLETE
	(SQ FT)	(FOOT)	(FOOT)	(SQ FT)	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(EACH)	(EACH)
PARK ROAD										
STATION STATION										
2015+00 - 2021+00	5.0		12.5	56.0	2399.9				1.0	
2021+00 - 2027+00				44.8	2400.0					
2027+00 - 2033+00				67.2	2400.0					
2033+00 - 2039+00	5.0		12.5	67.2	2331.8					1.0
2039+00 - 2045+00	5.0		12.5	44.8	2360.8					
2045+00 - 2051+00				67.2	2400.0					
2051+00 - 2057+00	12.6		27	22.4	1613.9	68.5	160.0			1.0
2057+00 - 2063+00					1200.2					
2063+00 - 2069+00	16.8		48.5		1382.3	32.9	47.0			
2069+00 - 971+00	28.4		74.4	67.2	2461.3	43.7	73.8		3.0	
971+00 - 977+00	5.0		12.5	67.2	2294.6					1.0
977+00 - 983+00	4.5		23.0	67.2	2400.0					
983+00 - 989+00				67.2	2400.1					
989+00 - 995+00	11.3		12.5	56.0	2316.4					1.0
995+00 - 1001+00	5.0		25	44.8	2109.2					
RED OAK										
STATION STATION										
199+00 - 204+00	12.5	54.0	23.5	83.4	2079.4	568.1	411.8			
204+00 - 210+00				23.0	1134.7	26.0	11.8	21.0		
PURI CREST PARKING										
STATION STATION										
20+00 - 25+00	19.3	27.0	36.5	6.2	780.0	135.5	199.2	36.0		
LIONS CLUB PARKING										
STATION STATION										
30+00 - 35+00	17.8	27.0	25.0	6.2	838.0	209.4	229.8	35.0		
PARKING LOT & FISHING HOLE PATH										
STATION STATION										
1+00 - 8+50	13.8	27.0	24.0	6.2	258.0		87.0	15.0		
PHASE I SIGNS										
										3.0
TOTAL	162.0	135.0	369.4	864.2	37560.6	1084.1	1220.5	107.0	4.0	7.0
ADJUSTED TOTAL	162	135	370	865	37561	1085	1221	107	4	7

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES			
ROCK CUT STATE PARK			
SCALE:	SHEET 11 OF 12 SHEETS	STA.	TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	ROCK CUT PHASE 3 - 2023	WINNEBAGO	139	24
CONTRACT NO. 46934				
ILLINOIS FED. AID PROJECT				

SIGN LAYOUT SCHEDULE

	STATION	OFFSET	TYPE	DESCRIPTION	Size (SQ FT)
PARK ROAD	2016+05.20	RT	R2-1	SPEED LIMIT 20	5
	2015+73.78	LT	WAYFINDING	G1	
	2035+03.04	LT	R2-1	SPEED LIMIT 20	5
	2037+88.72	LT	FACILITY IDENTIFICATION	F1	
	2042+02.41	RT	R2-1	SPEED LIMIT 20	5
	2052+07.40	RT	FACILITY IDENTIFICATION	F5	
	2052+59.91	RT	W-11-1-3030	BIKE CROSSING	6.3
	2052+74.48	LT	W-11-1-3030	BIKE CROSSING	6.3
	2067+03.56	LT	R2-1	SPEED LIMIT 20	5
	2068+67.24	RT	W-11-1-3030	BIKE CROSSING	6.3
	2068+75.83	RT	R5-3	NO MOTOR VEHICLES	4
	2068+95.52	RT	R4-7A	KEEP RIGHT	1.5
	2069+25.87	LT	R1-1-1818	STOP SIGN	2.25
	2069+25.87	LT	W-11-1-3030	BIKE CROSSING	6.3
	2070+12.75	RT	WAYFINDING	G2	
	2070+46.83	LT	R1-1-3030	STOP SIGN	6.3
	2070+63.78	LT	R3-17-2418	BIKE LANE	3
	2070+63.78	LT	R3-17aP-2408	BIKE LANE AHEAD	1.3
	2070+65.24	RT	WAYFINDING	G3	
	967+11.85	LT	R3-17-2418	BIKE LANE	2.25
	967+11.85	LT	R3-17bP-2408	BIKE LANE ENDS	1.3
	967+41.22	LT	WAYFINDING	G4	
	968+98.82	RT	R2-1	SPEED LIMIT 20	5
	974+27.87	RT	FACILITY IDENTIFICATION	F3	
	976+98.86	RT	R2-1	SPEED LIMIT 20	5
	981+51.39	RT	R1-1-1818	STOP SIGN	2.25
	981+91.06	LT	R1-1-1818	STOP SIGN	2.25
	992+98.17	LT	R2-1	SPEED LIMIT 20	5
	994+02.90	RT	R1-1-3030	STOP SIGN	6.3
	994+24.85	RT	FACILITY IDENTIFICATION	F6	
	999+00.82	LT	R2-1	SPEED LIMIT 20	5
RED OAK ENTRANCE	200+50.28	RT	R7-8	RESERVED PARKING	1.5
	200+50.28	RT	R7+101P	\$250 FINE	0.5
	200+72.11	RT	R7-8	RESERVED PARKING	1.5
	200+72.11	RT	R7+101P	\$250 FINE	0.5
	201+17.85	LT	R7-8	RESERVED PARKING	1.5
	201+17.85	LT	R7+101P	\$250 FINE	0.5
	201+38.85	LT	R7-8	RESERVED PARKING	1.5
	201+38.85	LT	R7+101P	\$250 FINE	0.5
	203+73.84	RT	R4-7b-1824	KEEP RIGHT	3
	203+51.85	LT	R7-1	NO PARKING	1.5
PURI CREST	20+21.89	LT	R1-1-3030	STOP SIGN	6.3
	22+41.64	LT	R7-1L	NO PARKING	1.5
	22+77.67	LT	R7-8	RESERVED PARKING	1.5
	22+77.67	LT	R7+101P	\$250 FINE	1.125
	22+96.93	LT	R7-8	RESERVED PARKING	1.5
	22+96.93	LT	R7+101P	\$250 FINE	1.125
	24+13.00	RT	R1-1-3030	STOP SIGN	6.3
KIDS FISHING POND	8+22.70	RT	R1-1-1818	STOP SIGN	2.25
	1+59.85	RT	R7-8	RESERVED PARKING	1.5
	1+59.85	RT	R7+101P	\$250 FINE	1.125
	1+77.85	RT	R7-8	RESERVED PARKING	1.5
	1+77.85	RT	R7+101P	\$250 FINE	1.125
	2+71.31	RT	R1-1-3030	STOP SIGN	6.3
LIONS CLUB	30+39.90	LT	R1-1-3030	STOP SIGN	6.3
	31+98.73	RT	R7-8	RESERVED PARKING	1.5
	31+98.73	RT	R7+101P	\$250 FINE	1.125
	32+16.73	RT	R7-8	RESERVED PARKING	1.5
	32+16.73	RT	R7+101P	\$250 FINE	1.125
	34+47.20	RT	R1-1-3030	STOP SIGN	6.3
	PHASE 1		FACILITY IDENTIFICATION	F7	
	PHASE 1		FACILITY IDENTIFICATION	F8	
	PHASE 1		FACILITY IDENTIFICATION	F9	

DRAINAGE LAYOUT SCHEDULE

DRAINAGE NO.	DRAINAGE ITEM	LOCATION	STATION	OFFSET	ELEVATION	LENGTH	SLOPE
18	PRC FLARED END SECTIONS - 12"	PARK RD	2017+76.12	27.63' LT	881.52		
18	PIPE CULVERT CLASS A, TYPE 1 12"	PARK RD				16	1.14%
18	PRC FLARED END SECTIONS - 12"	PARK RD	2018+04.05	27.63' LT	881.2		
1A	PRC FLARED END SECTIONS - ELLIPTICAL, EQRS 18"	PARK RD	2020+74.37	25.36' RT	879.86		
1A	PIPE CULVERT CLASS A, TYPE 1 EQRS 18"	PARK RD				48	0.08%
1A	PRC FLARED END SECTIONS - ELLIPTICAL, EQRS 18"	PARK RD	2020+74.37	27.68' LT	879.81		
1B	PRC FLARED END SECTIONS - ELLIPTICAL, EQRS 18"	PARK RD	2020+79.41	25.36' RT	879.86		
1B	PIPE CULVERT CLASS A, TYPE 1 EQRS 18"	PARK RD				48	0.08%
1B	PRC FLARED END SECTIONS - ELLIPTICAL, EQRS 18"	PARK RD	2020+79.41	27.68' LT	879.81		
1C	PRC FLARED END SECTIONS - ELLIPTICAL, EQRS 18"	PARK RD	2020+84.45		879.86		
1C	PIPE CULVERT CLASS A, TYPE 1 EQRS 18"	PARK RD				48	0.08%
1C	PRC FLARED END SECTIONS - ELLIPTICAL, EQRS 18"	PARK RD	2020+84.45	27.68' LT	879.81		
2	PRC FLARED END SECTIONS - 12"	PARK RD	2026+32.87	25.91' LT	881.93		
2	PIPE CULVERT CLASS A, TYPE 1 12"	PARK RD				24	0.56%
2	PRC FLARED END SECTIONS - 12"	PARK RD	2026+69.55	25.91' LT	882.13		
3	PRC FLARED END SECTIONS - 12"	PARK RD	2026+61.12	25.91' RT	883.01		
3	PIPE CULVERT CLASS A, TYPE 1 12"	PARK RD				16	0.40%
3	PRC FLARED END SECTIONS - 12"	PARK RD	2026+98.33	25.91' RT	883.12		
4	PRC FLARED END SECTIONS - 12"	PARK RD	2033+66.95	27.63' LT	892.13		
4	PIPE CULVERT CLASS A, TYPE 1 12"	PARK RD				24	2.42%
4	PRC FLARED END SECTIONS - 12"	PARK RD	2034+03.73	27.63' LT	893.00		
5	PRC FLARED END SECTIONS - 12"	PARK RD	2035+91.36	25.91' LT	897.63		
5	PIPE CULVERT CLASS A, TYPE 1 12"	PARK RD				56	2.43%
5	PRC FLARED END SECTIONS - 12"	PARK RD	2036+58.18	25.91' LT	899.28		
6	PRC FLARED END SECTIONS - 12"	PARK RD	2038+89.54	25.91' LT	902.84		
6	PIPE CULVERT CLASS A, TYPE 1 12"	PARK RD				56	2.94%
6	PRC FLARED END SECTIONS - 12"	PARK RD	2039+56.57	25.91' LT	900.84		
7	PRC FLARED END SECTIONS - 12"	PARK RD	2040+79.43	27.63' RT	895.42		
7	PIPE CULVERT CLASS A, TYPE 1 12"	PARK RD				24	3.94%
7	PRC FLARED END SECTIONS - 12"	PARK RD	2041+16.39	27.63' RT	894.00		
8	PRC FLARED END SECTIONS - 12"	PARK RD	2041+44.54	27.63' LT	892.69		
8	PIPE CULVERT CLASS A, TYPE 1 12"	PARK RD				24	7.78%
8	PRC FLARED END SECTIONS - 12"	PARK RD	2041+81.15	27.63' LT	889.89		
9	PRC FLARED END SECTIONS - 12"	PARK RD	2052+40.49	27.63' LT	832.84		
9	PIPE CULVERT CLASS A, TYPE 1 12"	PARK RD				24	4.44%
9	PRC FLARED END SECTIONS - 12"	PARK RD	2052+76.96	27.63' LT	831.24		
10	PRC FLARED END SECTIONS - ELLIPTICAL, EQRS 15"	PARK RD	2052+12.90	25.91' RT	832.25		
10	PIPE CULVERT CLASS A, TYPE 1 EQRS 15"	PARK RD				40	0.94%
10	INLET TYPE A, TYPE 37 GRATE	PARK RD	2052+59.16	25.60' RT	831.76		
10	PIPE CULVERT CLASS A, TYPE 1 EQRS 15"	PARK RD				32	2.55%
10	PRC FLARED END SECTIONS - ELLIPTICAL, EQRS 15"	PARK RD	2052+97.26	25.43' RT	830.64		
12	PRC FLARED END SECTIONS - ELLIPTICAL, EQRS 18"	PARK RD	979+23.11	25.80' LT	862.55		
12	PIPE CULVERT CLASS A, TYPE 1 EQRS 18"	PARK RD				48	2.72%
12	PRC FLARED END SECTIONS - ELLIPTICAL, EQRS 18"	PARK RD	979+51.39	25.80' RT	864.18		
13	PRC FLARED END SECTIONS - 12"	PARK RD	981+24.26	25.89' RT	872.92		
13	PIPE CULVERT CLASS A, TYPE 1 12"	PARK RD				24	6.14%
13	PRC FLARED END SECTIONS - 12"	PARK RD	981+62.05	25.89' RT	875.13		
14	PRC FLARED END SECTIONS - 12"	PARK RD	981+86.55	27.90' LT	876.96		
14	PIPE CULVERT CLASS A, TYPE 1 12"	PARK RD				24	3.25%
14	PRC FLARED END SECTIONS - 12"	PARK RD	982+21.63	27.91' LT	878.13		
15	CATCH BASIN TYPE A, 4' DIA. TYPE 37 GRATE	PARK RD	993+53.15	45.84' RT	864.00		
15	PIPE CULVERT CLASS A, TYPE 1 24"	PARK RD				80	3.26%
15	PRC FLARED END SECTIONS - 24"	PARK RD	994+08.42	31.40' RT	861.00		
16	PRC HEADWALL 2'X3'	PARK RD	996+09.17	24' LT	848.27		
16	BOX CULVERT 2'X3'	PARK RD				48	0.09%
16	PRC HEADWALL 2'X3'	PARK RD	996+13.16	24' RT	848.22		
22	INLET TYPE A, TYPE 37 GRATE	KIDS FISHING HOLE	1+50.32	42.92' RT	832.08		
22	PIPE CULVERT CLASS A, TYPE 1 12"	KIDS FISHING HOLE				24	0.84%
22	PRC FLARED END SECTIONS - 12"	KIDS FISHING HOLE	1+22.24	32.17' RT	831.78		

NOTE: ALL CULVERTS CROSSING BENEATH PAVED ROADS AND DRIVEWAYS SHALL BE BACKFILLED WITH CLSM.

MODEL: Default
FILE NAME: P:\13-1005-10 Rock Cut State Park\BID\CAD Sheets\CONTRACT 210248930-Dr-Schedule 15.dgn



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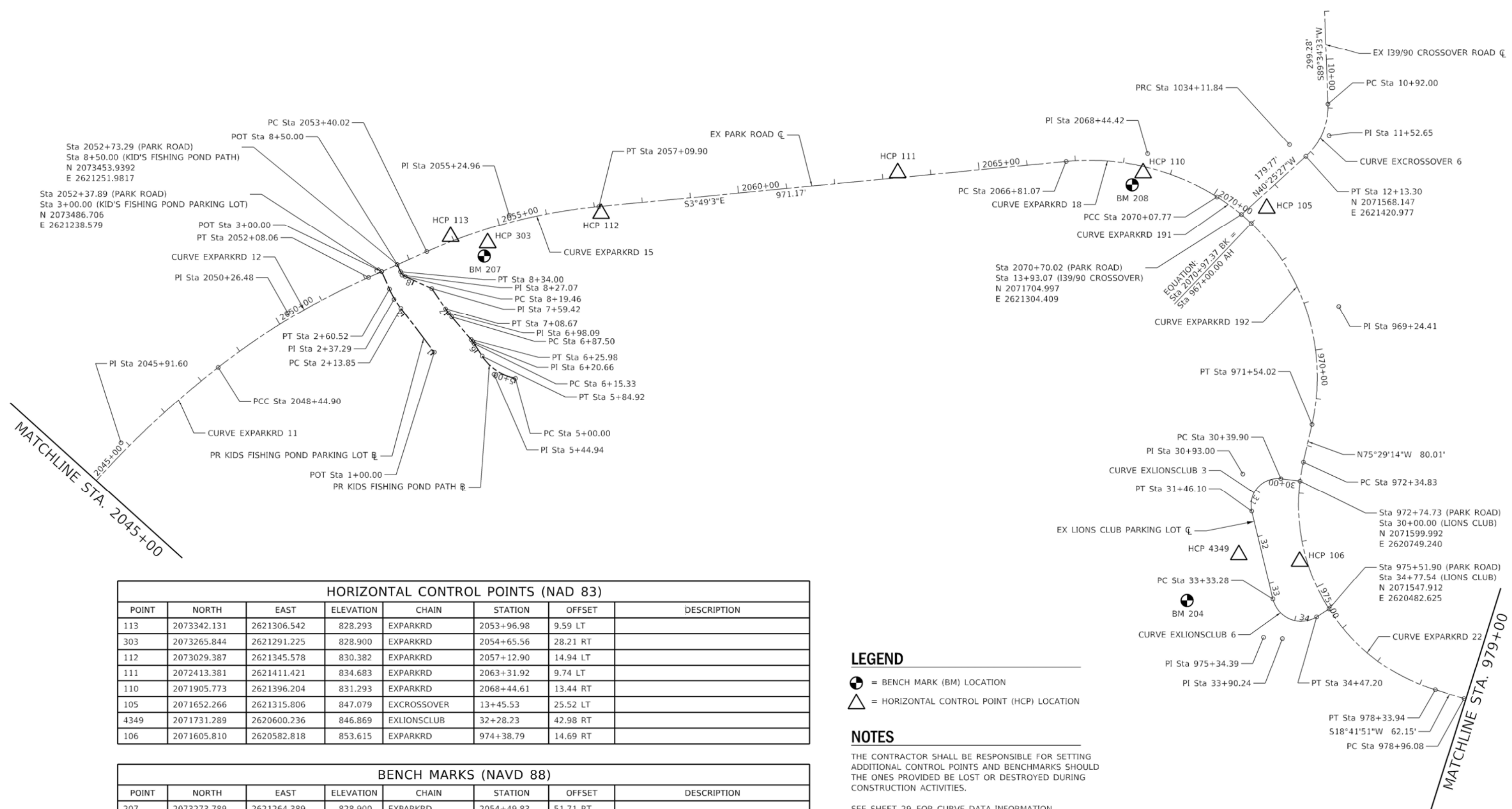
Professional Engineering Firm
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ILLINOIS LICENSE NO. 042-00278-07/06/16
Illinois Professional Design Firm
Professional Engineering Group

	DESIGNED - BCD	REVISED -
	DRAWN - KKH	REVISED -
PLOT SCALE = 20.0000 " = 1' in.	CHECKED - LDC	REVISED -
PLOT DATE = 9/13/2022	DATE - 9/12/22	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES ROCK CUT STATE PARK			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
					ROCK CUT PHASE 3 - 2023	WINNEBAGO	139	25
	SCALE: SHEET 12 OF 12 SHEETS STA. TO STA.			CONTRACT NO. 46934				
				ILLINOIS FED. AID PROJECT				





HORIZONTAL CONTROL POINTS (NAD 83)

POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
113	2073342.131	2621306.542	828.293	EXPARKRD	2053+96.98	9.59 LT	
303	2073265.844	2621291.225	828.900	EXPARKRD	2054+65.56	28.21 RT	
112	2073029.387	2621345.578	830.382	EXPARKRD	2057+12.90	14.94 LT	
111	2072413.381	2621411.421	834.683	EXPARKRD	2063+31.92	9.74 LT	
110	2071905.773	2621396.204	831.293	EXPARKRD	2068+44.61	13.44 RT	
105	2071652.266	2621315.806	847.079	EXCROSSOVER	13+45.53	25.52 LT	
4349	2071731.289	2620600.236	846.869	EXLIONSCLUB	32+28.23	42.98 RT	
106	2071605.810	2620582.818	853.615	EXPARKRD	974+38.79	14.69 RT	

BENCH MARKS (NAVD 88)

POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
207	2073273.789	2621264.389	828.900	EXPARKRD	2054+49.83	51.71 RT	
208	2071929.322	221372.619	832.603	EXPARKRD	2068+26.39	42.99 RT	
204	2071840.999	2620508.468	841.945	EXLIONSCLUB	32+87.40	170.34 RT	

LEGEND

-  = BENCH MARK (BM) LOCATION
 = HORIZONTAL CONTROL POINT (HCP) LOCATION

NOTES

THE CONTRACTOR SHALL BE RESPONSIBLE FOR SETTING ADDITIONAL CONTROL POINTS AND BENCHMARKS SHOULD THE ONES PROVIDED BE LOST OR DESTROYED DURING CONSTRUCTION ACTIVITIES.

SEE SHEET 29 FOR CURVE DATA INFORMATION.

SEE SHEET 30 FOR ALIGNMENT POINT DATA.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

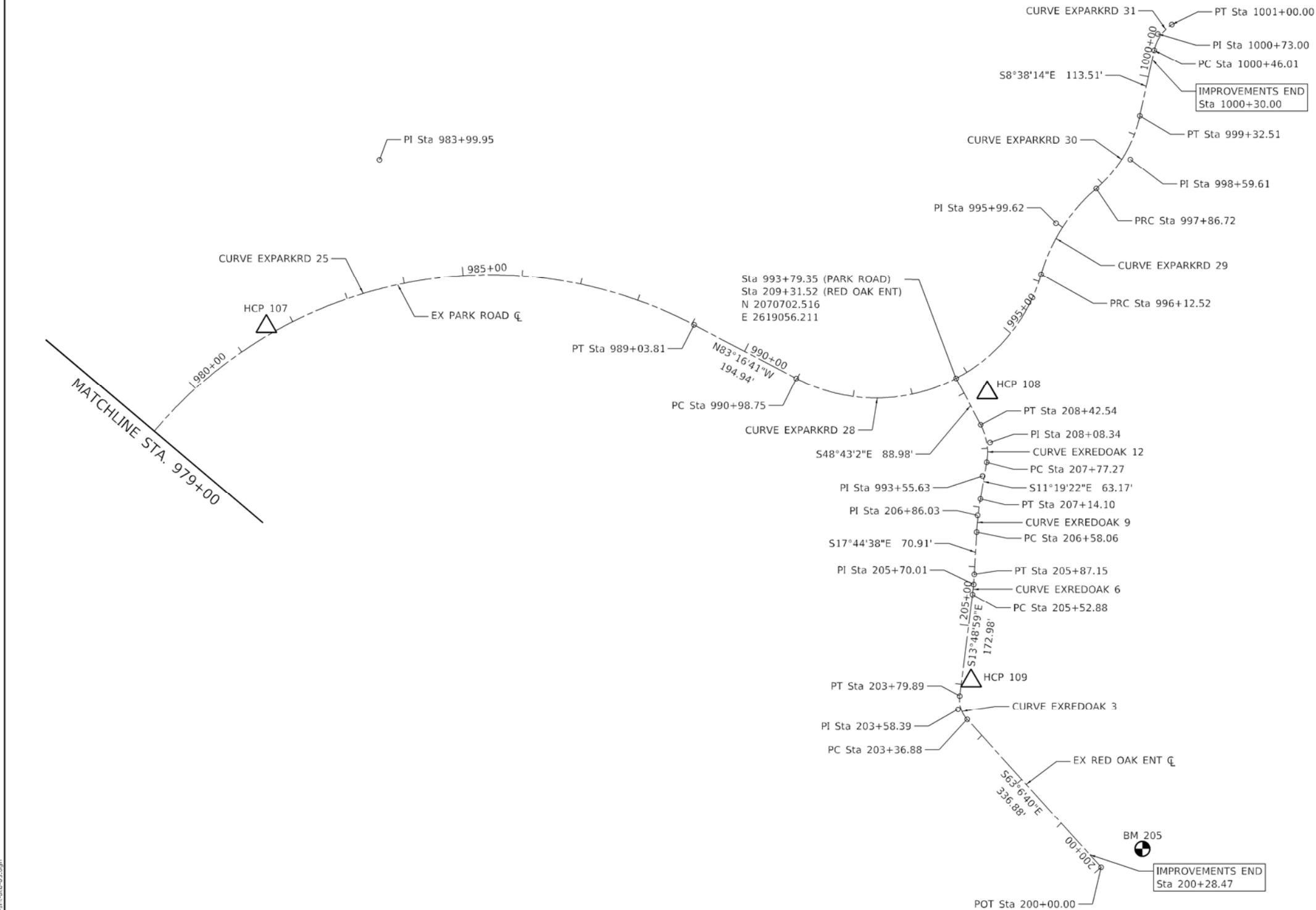
ALIGNMENT, TIES, AND BENCHMARKS
ROCK CUT STATE PARK

SCALE: 1" = 100' SHEET 2 OF 5 SHEETS STA. 2045+00.00 TO STA. 2085+00.00



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	ROCK CUT PHASE 3 - 2023	WINNEBAGO	139	27
CONTRACT NO. 46934				
ILLINOIS FED. AID PROJECT				

DESIGNED - BCD	REVISED -
DRAWN - KKH	REVISED -
CHECKED - LDC	REVISED -
DATE - 9/12/22	REVISED -

MODEL: Default
FILE NAME: 210124-1005-10 Rock Cut State Park10 IDOT.CAD Sheet1CONTRACT 210248930-pts-ut-03.dgn



LEGEND

-  = BENCH MARK (BM) LOCATION
 = HORIZONTAL CONTROL POINT (HCP) LOCATION

NOTES

THE CONTRACTOR SHALL BE RESPONSIBLE FOR SETTING ADDITIONAL CONTROL POINTS AND BENCHMARKS SHOULD THE ONES PROVIDED BE LOST OR DESTROYED DURING CONSTRUCTION ACTIVITIES.

SEE SHEET 29 FOR CURVE DATA INFORMATION.

SEE SHEET 30 FOR ALIGNMENT POINT DATA.

HORIZONTAL CONTROL POINTS (NAD 83)

POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
107	2071037.245	2620174.776	877.723	EXPARKRD	981+57.63	14.10 LT	
108	2070706.866	2618998.343	864.334	EXREDOAK	208+85.16	34.91 RT	
109	2071170.490	2618849.852	877.664	EXREDOAK	204+07.82	15.84 RT	

BENCH MARKS (NAVD 88)

POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
205	2071332.660	2618478.137	864.118	EXREDOAK	200+00.00	72.37 RT	

CURVE DATA

EXIST. CURVE EXHARTRD_5
PI STA. = 2023+68.28
 $\Delta = 62^\circ 32' 51"$ (RT)
 $D = 4^\circ 23' 14"$
 $R = 1,306.00'$
 $T = 793.24'$
 $L = 1,425.70'$
 $E = 222.03'$
P.C. STA. = 2016+55.42
P.T. STA. = 2030+81.13

EXIST. CURVE EXHARTRD_8
PI STA. = 2036+77.58
 $\Delta = 18^\circ 29' 57''$ (LT)
 $D = 1^\circ 55' 33''$
 $R = 2,975.00'$
 $T = 484.49'$
 $L = 960.54'$
 $E = 39.19'$
P.C. STA. = 2031+97.30
P.T. STA. = 2041+57.85

EXIST. CURVE EXHARTRD_11
PI STA. = 2045+91.60
 $\Delta = 14^\circ 53' 07''$ (RT)
 $D = 2^\circ 56' 18''$
 $R = 1,950.00'$
 $T = 254.74'$
 $L = 506.60'$
 $E = 16.57'$
P.C. STA. = 2043+38.30
P.T. STA. = 2048+44.90

EXIST. CURVE EXHARTRD_12
PI STA. = 2050+26.48
 $\Delta = 13^\circ 52' 18''$ (RT)
 $D = 3^\circ 49' 11''$
 $R = 1,500.00'$
 $T = 182.47'$
 $L = 363.16'$
 $E = 11.06'$
P.C. STA. = 2048+44.90
P.T. STA. = 2052+08.06

EXIST. CURVE EXHARTRD_15
PI STA. = 2055+24.96
 $\Delta = 18^\circ 25' 42''$ (RT)
 $D = 4^\circ 58' 56''$
 $R = 1,150.00'$
 $T = 186.55'$
 $L = 369.88'$
 $E = 15.03'$
P.C. STA. = 2053+40.02
P.T. STA. = 2057+09.90

EXIST. CURVE EXHARTRD_18
PI STA. = 2068+44.42
 $\Delta = 37^\circ 26' 14''$ (RT)
 $D = 11^\circ 27' 33''$
 $R = 500.00'$
 $T = 169.42'$
 $L = 326.70'$
 $E = 27.92'$
P.C. STA. = 2066+81.07
P.T. STA. = 2070+07.77

EXIST. CURVE EXHARTRD_191
PI STA. = 2070+52.73
 $\Delta = 11^\circ 40' 01''$ (RT)
 $D = 13^\circ 01' 18''$
R = 440.00'
T = 44.95'
L = 89.60'
E = 2.29'
P.C. STA. = 2070+07.77
P.T. STA. = 2070+97.37

EXIST. CURVE EXHARTRD_192
PI STA. = 969+24.41
 $\Delta = 59^\circ 13' 34''$ (RT)
 $D = 13^\circ 01' 18''$
R = 440.00'
T = 250.09'
L = 454.82'
E = 66.11'
P.C. STA. = 967+00.00
P.T. STA. = 971+54.82

EXIST. CURVE EXHARTRD_22
PI STA. = 975+34.39
 $\Delta = 85^\circ 48' 55''$ (LT)
D = $14^\circ 19' 26''$
R = 400.00'
T = 371.80'
L = 599.10'
E = 146.11'
P.C. STA. = 972+34.83
P.T. STA. = 978+33.94

EXIST. CURVE EXHARTRD_25
PI STA. = 983+99.95
 $\Delta = 78^\circ 01' 28''$ (RT)
 $D = 7^\circ 44' 34''$
 $R = 740.00'$
 $T = 599.50'$
 $L = 1,007.72'$
 $E = 212.37'$
P.C. STA. = 978+96.08
P.T. STA. = 989+03.81

EXIST. CURVE EXHARTRD_28
PI STA. = 993+55.63
 $\Delta = 101^\circ 30' 21"$ (LT)
D = $19^\circ 45' 26"$
R = 290.00'
T = 354.98'
L = 513.77'
E = 168.38'
P.C. STA. = 990+98.75
P.T. STA. = 996+12.52

EXIST. CURVE EXHARTRD_29
PI STA. = 996+99.62
 $\Delta = 33^\circ 16' 14''$ (RT)
D = $19^\circ 05' 55''$
R = 300.00'
T = 89.64'
L = 174.20'
E = 13.10'
P.C. STA. = 996+12.52
P.T. STA. = 997+86.72

EXIST. CURVE EXHARTRD_30
PI STA. = 998+59.61
 $\Delta = 37^\circ 07' 27''$ (LT)
 $D = 25^\circ 27' 53''$
R = 225.00'
T = 75.56'
L = 145.79'
E = 12.35'
P.C. STA. = 997+86.72
P.T. STA. = 999+32.51

EXIST. CURVE EXPARKRD_31
PI STA. = 1000+73.00
 $\Delta = 44^\circ 11' 12''$ (RT)
 $D = 81^\circ 51' 04''$
R = 70.00'
T = 28.41'
L = 53.98'
E = 5.55'
P.C. STA. = 1000+46.01
P.T. STA. = 1001+00.00

EXIST. CURVE EXPURICREST_3
PI STA. = 20+77.71
 $\Delta = 86^{\circ} 49' 13''$ (RT)
 $D = 114^{\circ} 35' 30''$
R = 50.00'
T = 47.30'
L = 75.76'
E = 18.83'
P.C. STA. = 20+39.83
P.T. STA. = 21+15.59

EXIST. CURVE EXPURICREST_6
PI STA. = 23+45.38
 $\Delta = 87^\circ 29' 11''$ (RT)
 $D = 114^\circ 35' 30''$
 $R = 50.00'$
 $T = 47.85'$
 $L = 76.35'$
 $E = 19.21'$
P.C. STA. = 23+07.21
P.T. STA. = 23+83.55

EXIST. CURVE EXLIONSCLUB_3
PI STA. = 30+93.00
 $\Delta = 110^\circ 37' 32''$ (LT)
 $D = 104^\circ 10' 27''$
 $R = 55.00'$
 $T = 79.47'$
 $L = 106.19'$
 $E = 41.64'$
P.C. STA. = 30+39.90
P.T. STA. = 31+46.10

EXIST. CURVE EXLIONSCLUB_6
PI STA. = 33+90.24
 $\Delta = 108^\circ 47' 21''$ (LT)
 $R = 95^\circ 29' 35''$
R = 60.00'
T = 83.79'
L = 113.92'
E = 43.06'
P.C. STA. = 33+33.28
P.T. STA. = 34+47.20

PROP. CURVE PRFISHPOND1
PI STA. = 2+37.29
 $\Delta = 13^\circ 22' 16''$ (RT)
D = $28^\circ 38' 52''$
R = 200.00'
T = 23.44'
L = 46.67'
E = 1.37'
P.C. STA. = 2+13.85
P.T. STA. = 2+60.52

EXIST. CURVE EXREDOAK_3
PI STA. = 203+58.39
 $\Delta = 49^\circ 17' 41''$ (RT)
 $D = 114^\circ 35' 30''$
 $R = 50.00'$
 $T = 22.94'$
 $L = 43.02'$
 $E = 5.01'$
P.C. STA. = 203+36.88
P.T. STA. = 203+79.89

EXIST. CURVE EXREDOAK_6
PI STA. = 205+70.01
 $\Delta = 3^\circ 55' 40''$ (LT)
D = $11^\circ 27' 33''$
R = 500.00'
T = 17.14'
L = 34.28'
E = 0.29'
P.C. STA. = 205+52.88
P.T. STA. = 205+87.15

EXIST. CURVE EXREDOAK_9
PI STA. = 206+86.03
 $\Delta = 6^\circ 25' 17''$ (RT)
 $D = 11^\circ 27' 33''$
 $R = 500.00'$
 $T = 28.05'$
 $L = 56.04'$
 $E = 0.79'$
P.C. STA. = 206+58.06
P.T. STA. = 207+14.10

EXIST. CURVE EXREDOAK_12
PI STA. = 208+08.34
 $\Delta = 37^\circ 23' 41''$ (LT)
 $D = 57' 17' 45''$
 $R = 100.00'$
 $T = 33.84'$
 $L = 65.27'$
 $E = 5.57'$
P.C. STA. = 207+77.27
P.T. STA. = 208+42.54

PROP. CURVE PRFISHPATH1
PI STA. = 5+44.94
 $\Delta = 46^{\circ} 20' 21''$ (RT)
 $D = 54^{\circ} 34' 03''$
 $R = 105.00'$
 $T = 44.94'$
 $L = 84.92'$
 $E = 9.21'$
P.C. STA. = 5+00.00
P.T. STA. = 5+84.92

PROP. CURVE PRFISHPATH2
PI STA. = 6+20.66
 $\Delta = 7^{\circ} 10' 49''$ (LT)
 $D = 67^{\circ} 24' 24''$
 $R = 85.00'$
 $T = 5.33'$
 $L = 10.65'$
 $E = 0.17'$
P.C. STA. = 6+15.33
P.T. STA. = 6+25.98

PROP. CURVE PRFISHPATH3
PI STA. = 6+98.09
 $\Delta = 6^\circ 13' 18''$ (RT)
D = 29° 22' 57"
R = 195.00'
T = 10.60'
L = 21.17'
E = 0.29'
P.C. STA. = 6+87.50
P.T. STA. = 7+08.67

PROP. CURVE PRFISHPATH4
PI STA. = 8+27.07
 $\Delta = 41^{\circ} 39' 01''$ (RT)
 $D = 286^{\circ} 28' 44''$
 $R = 20.00'$
 $T = 7.61'$
 $L = 14.54'$
 $E = 1.40'$
P.C. STA. = 8+19.46
P.T. STA. = 8+34.00

FISHING POND
PARKING LOT

PARK ROAD

PURI CREST
PARKING LOT

RED OAK PICNIC
ENTRANCE

FISHING POND
PATH

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ALIGNMENT, TIES, AND BENCHMARKS

SCALE:	SHEET 4 OF 5 SHEETS	STA. TO STA.
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	ROCK CUT PHASE 3 - 2023	WINNEBAGO	139	29
CONTRACT NO. 46934				
	ILLINOIS	FED. AID PROJECT		

ALIGNMENT POINT DATA

PARK ROAD			
POINT	STATION	NORTHING	EASTING
POT	2013+00.00	2075686.812	2618292.802
PI	2015+24.05	2075709.289	2618515.723
PC	2016+55.42	2075730.855	2618646.586
PI	2023+68.28	2075790.689	2619436.756
PT	2030+81.13	2075121.702	2619862.990
PC	2031+97.30	2075023.724	2619925.417
PI	2036+77.58	2074615.126	2620185.755
PT	2041+57.85	2074310.245	2620702.525
PC	2043+38.30	2074196.691	2620702.525
PI	2045+91.60	2074036.389	2620900.499
PCC	2048+44.90	2073830.610	2621050.651
PI	2050+26.48	2073683.207	2621158.206
PT	2052+08.06	2073514.318	2621227.286
PC	2053+40.02	2073392.175	2621277.245
PI	2055+24.96	2073219.510	2621347.868
PT	2957+09.90	2073033.374	2621360.288
PC	2066+81.07	2072064.354	2621424.945
PI	2068+44.42	2071895.308	2621436.225
PCC	2070+07.77	2071754.226	2621342.420
PI	969+24.41	2071509.213	2621107.864
PT	971+54.02	2071571.885	2620865.756
PC	972+34.83	2071591.935	2620788.300
PI	975+34.39	2071685.107	2620428.361
PT	978+33.94	2071332.927	2620309.171
PC	978+96.08	2071274.059	2620289.249
PI	983+99.95	2070706.196	2620097.065
PT	989+03.81	2070776.370	2619501.684
PC	990+98.75	2070799.188	2619308.081
PI	993+55.63	2070840.739	2618955.542
PRC	996+12.52	2070486.997	2618985.146
PI	996+99.62	2070397.674	2618992.621
PRC	997+86.72	2070318.891	2618949.869
PI	998+59.61	2070252.484	2618913.832
PT	999+32.51	2070177.785	2618925.179
PC	1000+46.01	2070065.563	2618942.226
PI	1000+73.00	2070037.471	2618946.493
PT	1001+00.00	2070014.352	2618929.973

LIONS CLUB PARKING LOT			
POINT	STATION	NORTHING	EASTING
POT	30+00.00	2071599.992	2620749.240
PC	30+39.90	2071639.426	2620755.343
PI	30+93.00	2071717.959	2620767.498
PT	31+46.10	2071701.671	2620689.717
PC	33+33.28	2071663.304	2620506.511
PI	33+90.24	2071646.130	2620424.500
PT	34+47.20	2071574.021	2620467.174
POT	34+77.82	2071547.912	2620482.625

RED OAK PICNIC ENTRANCE			
POINT	STATION	NORTHING	EASTING
POT	200+00.00	2071386.397	2618532.173
PC	203+36.88	2071234.041	2618832.628
PI	203+58.39	2071223.665	2618853.090
PT	203+79.89	2071201.387	2618858.568
PC	205+52.88	2071033.411	2618899.878
PI	205+70.01	2071016.763	2618903.972
PT	205+87.15	2071000.434	2618909.197
PC	206+58.06	2070932.897	2618930.808
PI	206+86.03	2070906.184	2618939.356
PT	207+14.10	2070878.683	2618944.863
PC	207+77.27	2070816.739	2618957.266
PI	208+08.34	2070783.555	2618963.911
PT	208+42.54	2070761.226	2618989.342
POT	209+31.52	2070702.516	2619056.211

FISHING HOLE PATH			
POINT	STATION	NORTHING	EASTING
PC	5+00.00	2073216.574	2621010.128
PI	5+44.94	2073260.516	2621019.532
PT	5+84.92	2073284.050	2621057.814
PC	6+15.33	2073299.972	2621083.715
PI	6+20.66	2073302.765	2621088.259
PT	6+25.98	2073306.104	2621092.417
PC	6+87.50	2073344.620	2621140.388
PI	6+98.09	2073350.804	2621148.516
PT	7+08.67	2073356.956	2621157.586
PI	7+59.42	2073384.251	2621200.364
PC	8+19.46	2073438.171	2621226.784
PI	8+27.07	2073445.002	2621230.132
PT	8+34.00	2073447.882	2621237.173
POT	8+50.00	2073453.939	2621251.982

FISHING HOLE PARKING LOT			
POINT	STATION	NORTHING	EASTING
POT	1+00.00	2073382.932	2621068.733
PC	2+13.85	2073449.233	2621161.284
PI	2+37.29	2073462.886	2621180.342
PT	2+60.52	2073471.761	2621202.041
POT	3+00.00	2073486.706	2621238.579

PURI CREST PARKING LOT			
POINT	STATION	NORTHING	EASTING
POT	20+00.00	2074679.914	2620181.055
PC	20+39.83	2074705.918	2620211.221
PI	20+77.71	2074736.800	2620247.047
PT	21+15.59	2074702.742	2620279.870
PC	23+07.21	2074564.771	2620412.835
PI	23+45.38	2074530.314	2620446.042
PT	23+83.55	2074495.628	2620413.075
POT	24+24.49	2074465.952	2620384.869

MODEL: Default
FILE NAME: P:\13-1005-10 Rock Cut State Park\0_BOT\CAD Sheets\CONTRACT 20246934-pts-ut-06.dgn



Kaskaskia
Engineering Group, LLC

PROFESSIONAL DESIGN GROUP
ILLINOIS PROFESSIONAL DESIGN FIRM
PROFESSIONAL ENGINEERING GROUP

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Marengo, IL 61756
309.885.5146

	DESIGNED - BCD	REVISED -
	DRAWN - KKH	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED - LDC	REVISED -
PLOT DATE = 9/13/2022	DATE - 9/12/22	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALIGNMENT, TIES & BENCHMARKS
ROCK CUT STATE PARK

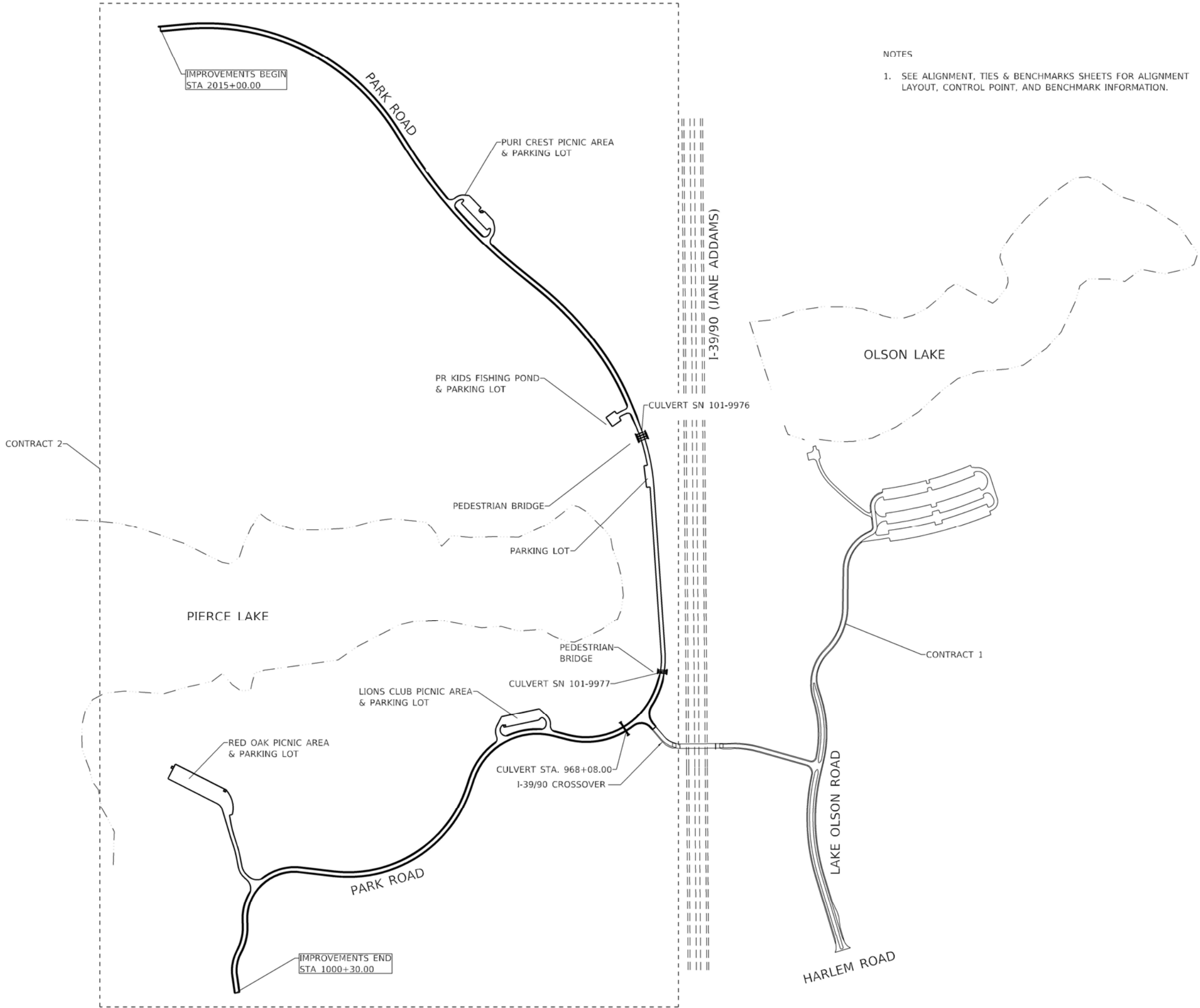
SCALE: SHEET 5 OF 5 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	ROCK CUT PHASE 3 - 2023	WINNEBAGO	139	30
CONTRACT NO. 46934				
ILLINOIS FED. AID PROJECT				



NOTES

1. SEE ALIGNMENT, TIES & BENCHMARKS SHEETS FOR ALIGNMENT LAYOUT, CONTROL POINT, AND BENCHMARK INFORMATION.



MODEL: Default
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Kaskaskia
Engineering Group, LLC

877 South Third Street
Suite 200
Galesburg, Illinois 61234
630.232.5707 phone
www.kaskaskiaeng.com

ILLINOIS LICENSE NO. 042-00278-07/08/10
Illinois Professional Design Firm
Professional Engineering Group

1434 North 5th
Moline, IL 61201
301.567.1111
201-3085166

DESIGNED - BCD	REVISED -
DRAWN - KKH	REVISED -
CHECKED - LDC	REVISED -
DATE - 9/12/22	REVISED -

PLOT SCALE = 800,0000 ' / in.

PLOT DATE = 9/13/2022

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OVERVIEW SITE PLAN
ROCK CUT STATE PARK

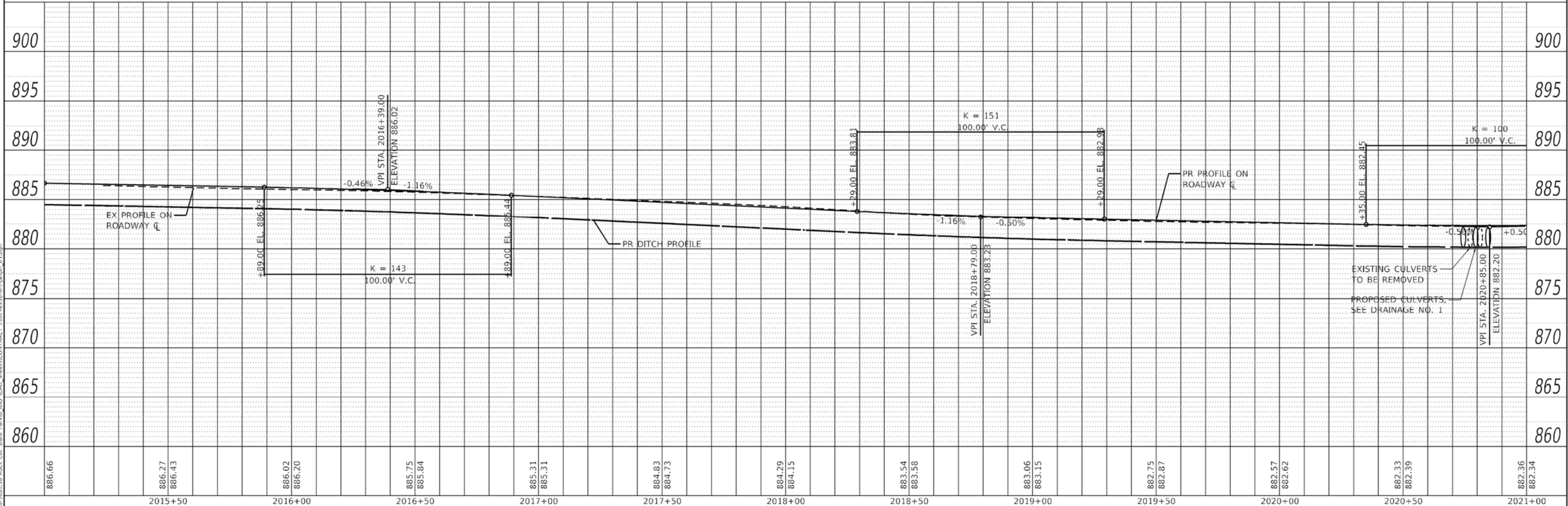
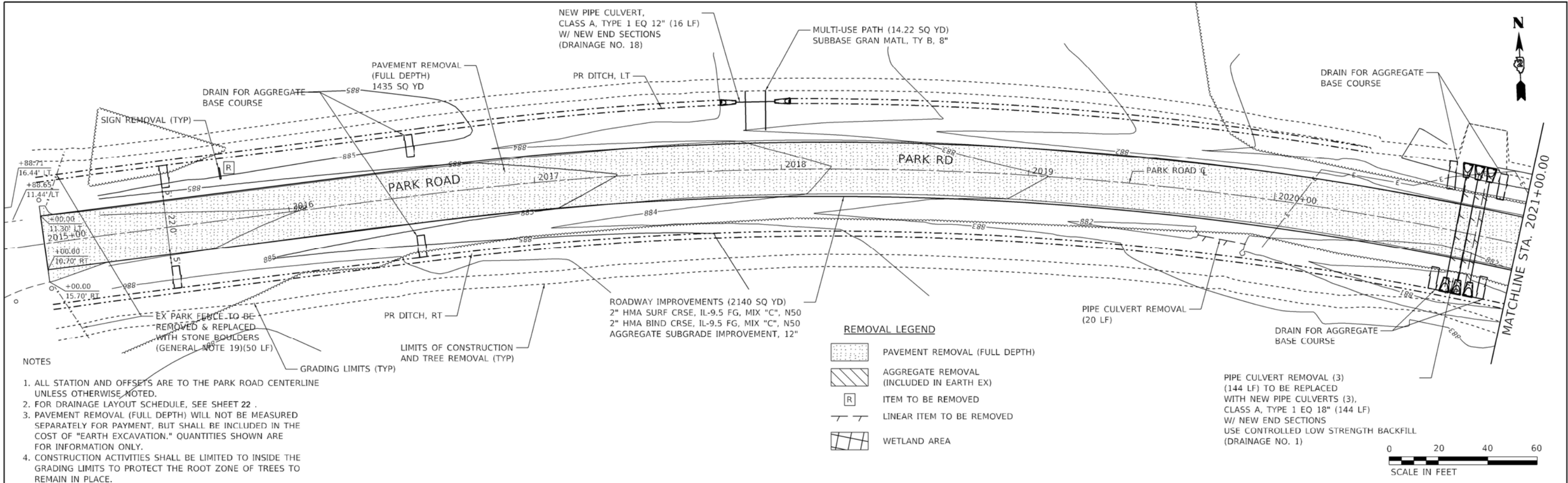
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	ROCK CUT PHASE 3 - 2023	WINNEBAGO	139	31
CONTRACT NO. 46934				
ILLINOIS FED. AID PROJECT				

PLAN	DATE
SURVEYED	
NOTED	
ALIGNED	
CHECKED	
FILED	
NO.	

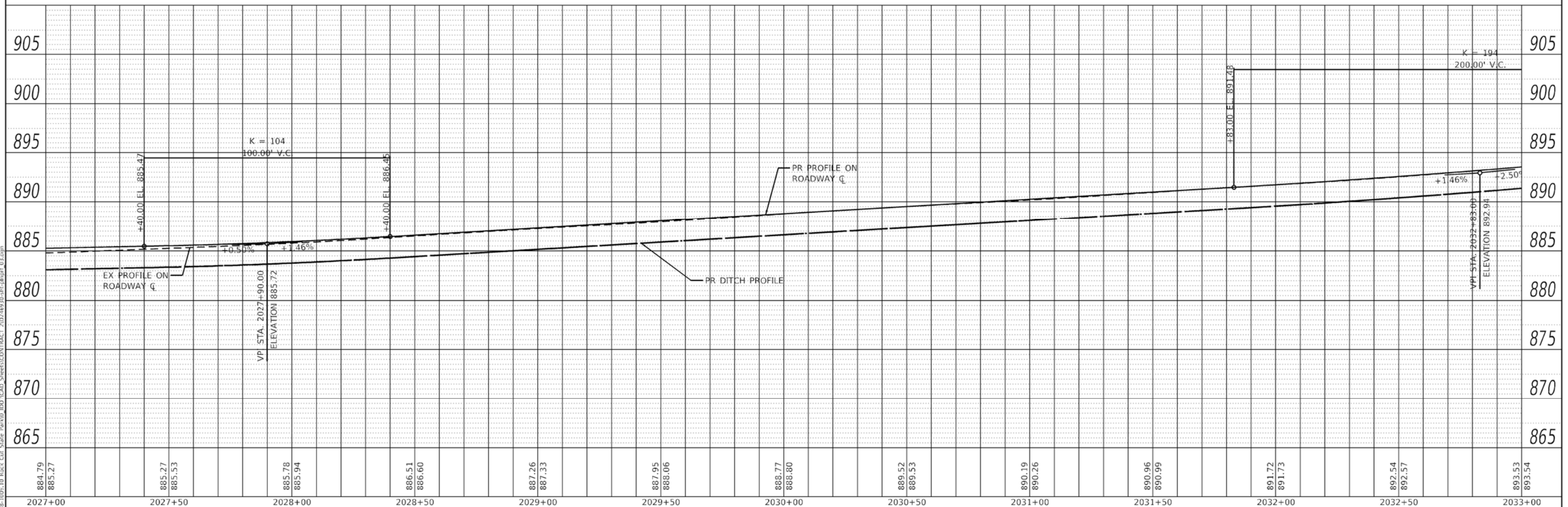
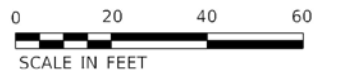
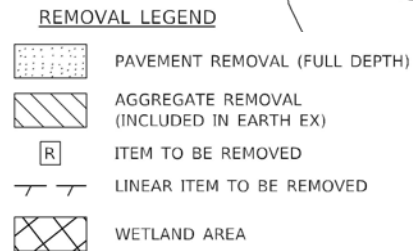
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SHEET: 139 OF 179
DATE: 9/13/2022



Kaskaskia Engineering Group, LLC 177 South Third Street Suite 200 Galesburg, Illinois 61424 (815) 241-1000 www.kaskaskiaeng.com				STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				PLAN & PROFILE - PARK ROAD ROCK CUT STATE PARK				F.A. RTE. SECTION COUNTY TOTAL SHEETS SHEET NO. ROCK CUT PHASE 3 - 2023 WINNEBAGO 139 32 CONTRACT NO. 46934			
DESIGNED - BCD DRAWN - NDP/KKH CHECKED - LDC DATE - 9/12/22				REVISED - REVISED - REVISED - REVISED -				SCALE: 1"=20' SHEET 1 OF 17 SHEETS STA. 2015+00.00 TO STA. 2021+00.00				ILLINOIS FED. AID PROJECT			

1. PAVEMENT REMOVAL (FULL DEPTH) WILL NOT BE MEASURED SEPARATELY FOR PAYMENT, BUT SHALL BE INCLUDED IN THE COST OF "EARTH EXCAVATION." QUANTITIES SHOWN ARE FOR INFORMATION ONLY.
2. CONSTRUCTION ACTIVITIES SHALL BE LIMITED TO INSIDE THE GRADING LIMITS TO PROTECT THE ROOT ZONE OF TREES TO REMAIN IN PLACE.



**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PLAN & PROFILE – PARK ROAD
ROCK CUT STATE PARK**

SCALE: 1"=20'	SHEET 3	OF 17 SHEETS	STA. 2027+00.00	TO STA. 2033+00.00
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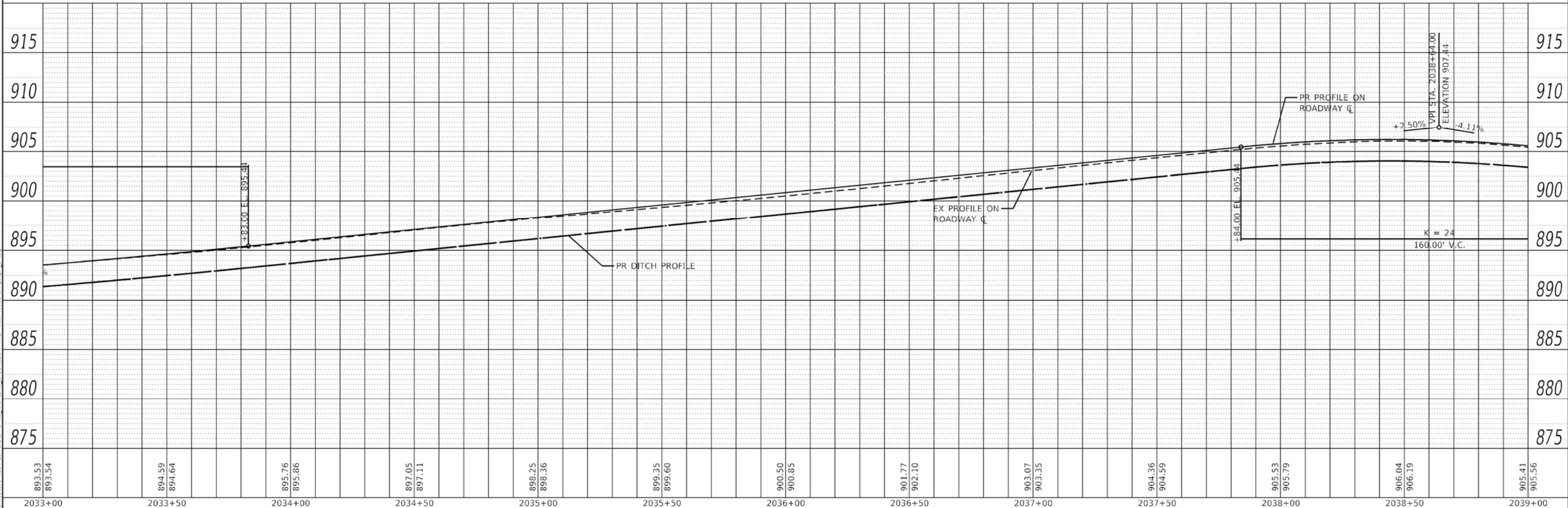
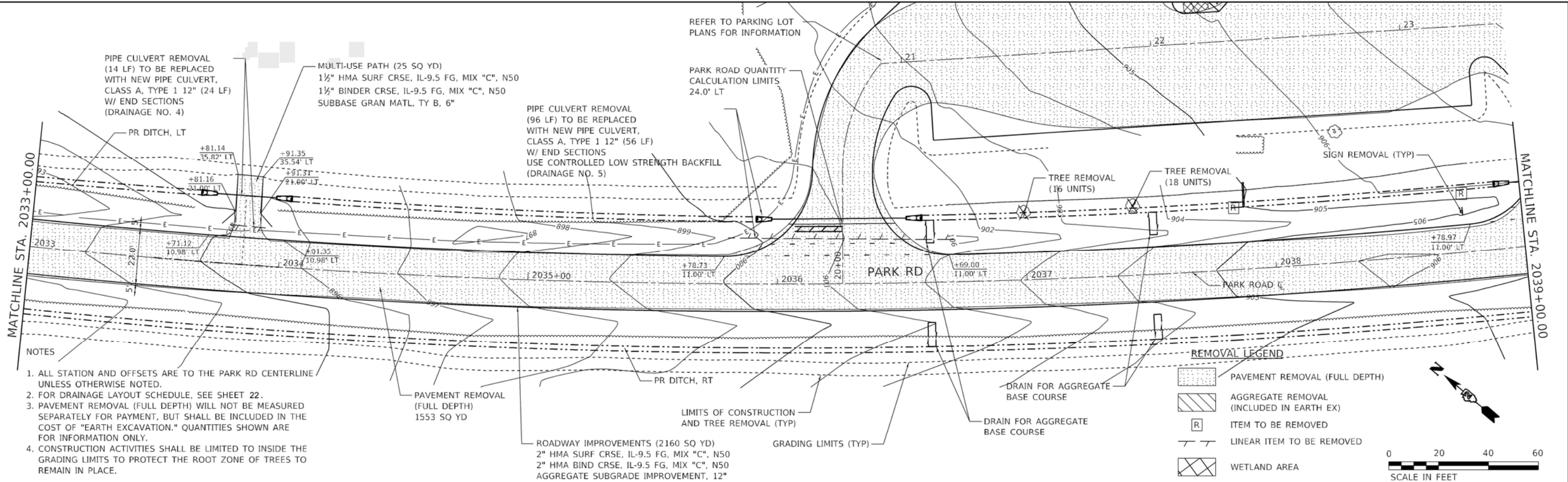
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	ROCK CUT PHASE 3 - 2023	WINNEBAGO	139	34
		CONTRACT NO. 46934		
		ILLINOIS	FED. AID PROJECT	


Kaskaskia
Engineering Group, LLC
PROFESSIONAL REGISTRATIONS
Illinois Professional Design Firm
Professional Engineering Group

PLAN	SURVEYED	BY	DATE
NO.	PLOTTED		
NOTE BOOK	ALIGNED CHECKED		
	FILED		
	FILE NAME		

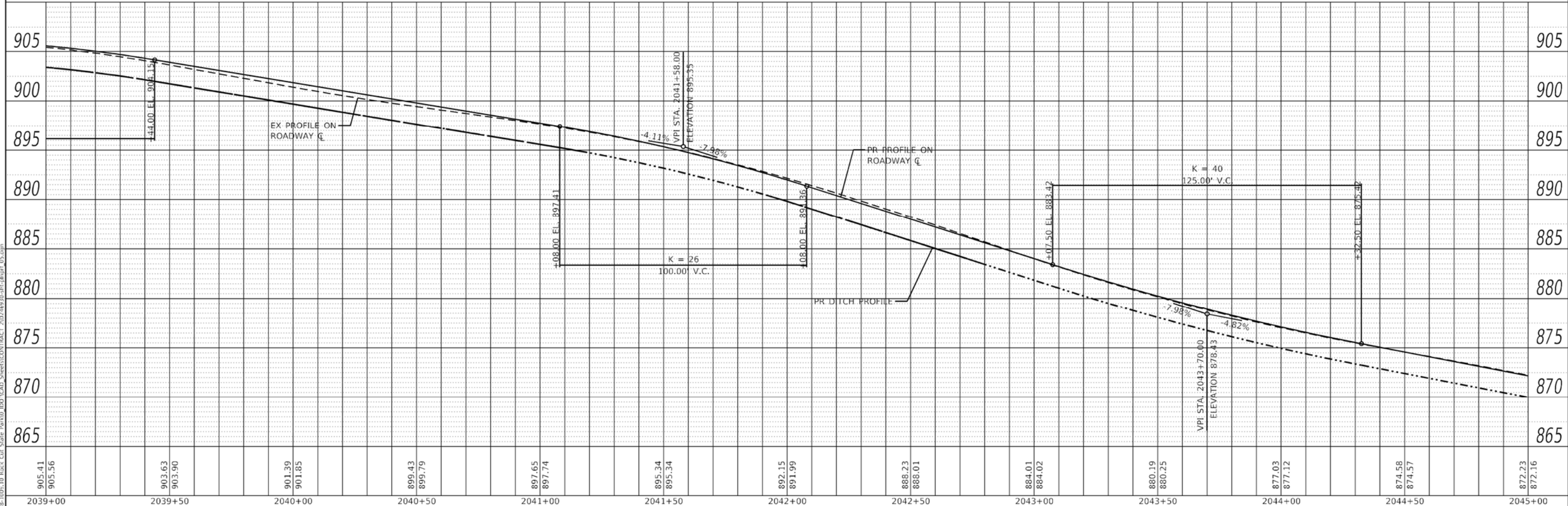
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NO.	PLOTTED		
NOTE BOOK	GRADES CHECKED		
	STRUCTURE NOTATIONS CHKD		

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SHEET: 4 of 17
DATE: 9/13/2022



 <div>Kaskaskia Engineering Group, LLC 177 South Third Street Suite 200 Galesburg, Illinois 61424 (815) 241-1000 www.kaskaskiaeng.com <small>NOT A CONTRACT SEE COVER SHEET</small> Illinois Professional Design Firm Professional Engineering Group 26-5901096</div>	DESIGNED - BCD	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN & PROFILE – PARK ROAD ROCK CUT STATE PARK				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN - NDP/KKH	REVISED -						ROCK CUT PHASE 3 - 2023	WINNEBAGO	139	35	
	CHECKED - LDC	REVISED -						CONTRACT NO. 46934				
	DATE - 9/12/22	REVISED -						ILLINOIS FED. AID PROJECT				
PLOT SCALE = 40,000' / in.				SCALE: 1"=20'	SHEET 4	OF 17 SHEETS	STA. 2033+00.00	TO STA. 2039+00.00				
PLOT DATE = 9/13/2022												

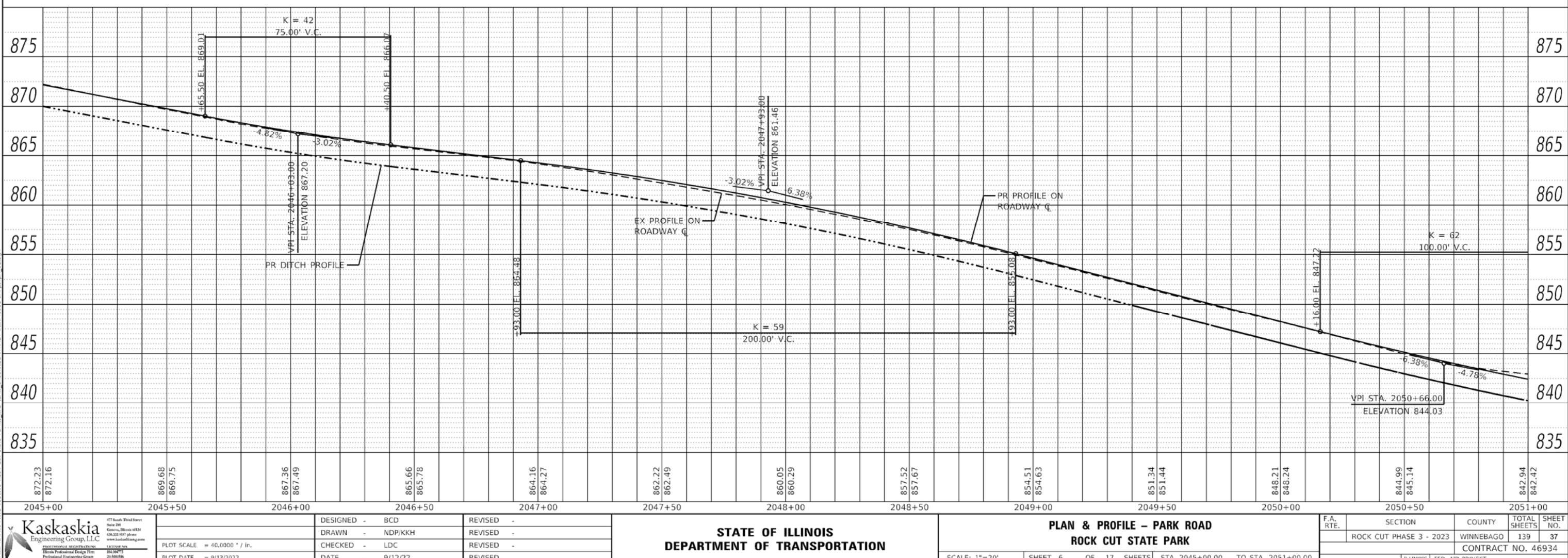
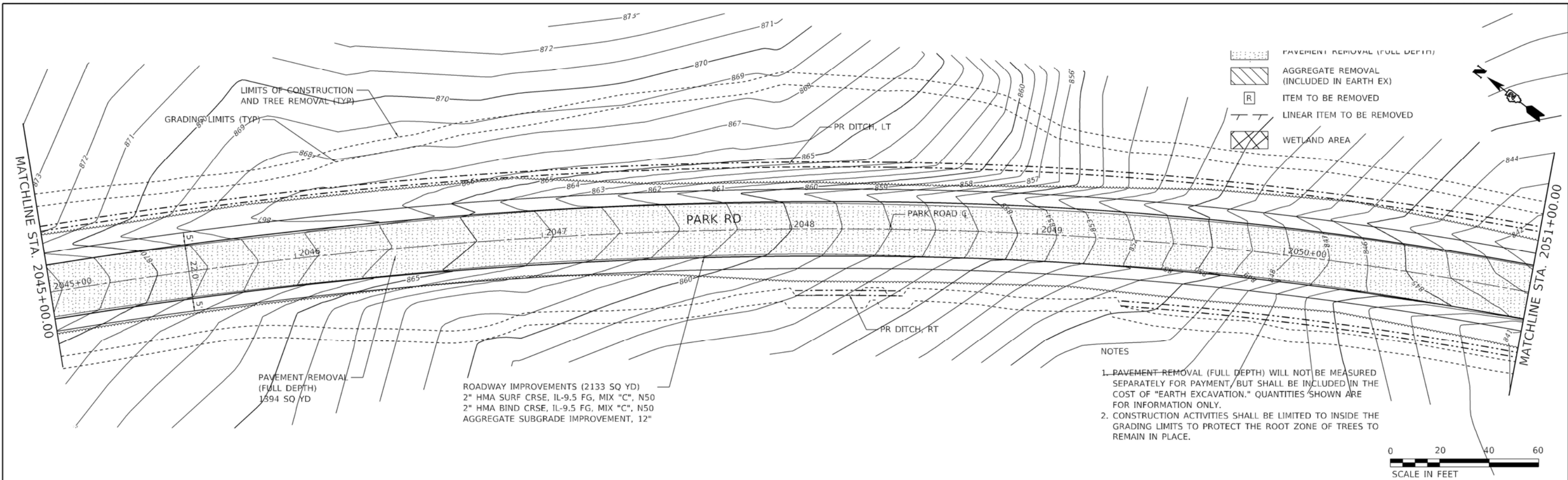
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	PLOTTED _____		
	GRADES CHECKED _____		
	BLK. NOTED _____		
NOTE BOOK _____	STRUCTURE NOTATIONS CHKD _____		
NO. _____			



PLAN	SURVEYED	BY	DATE
NO.	PLOTTED		
	ALIGNED		
	CHECKED		
	FILED		
	FILE NAME		

PROFILE	SURVEYED	BY	DATE
NO.	PLOTTED		
	GRADES		
	CHECKED		
	STRUCTURE		
	NOTATION		

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1/13/2022 10:00:00 AM



Kaskaskia
Engineering Group, LLC
111 South Third Street
Suite 200
Galesburg, Illinois 61434
(815) 241-1000
www.kaskaskiaeng.com

DESIGNED - BCD
DRAWN - NDP/KKH
CHECKED - LDC
DATE - 9/12/22

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REVISD -
REVISD -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

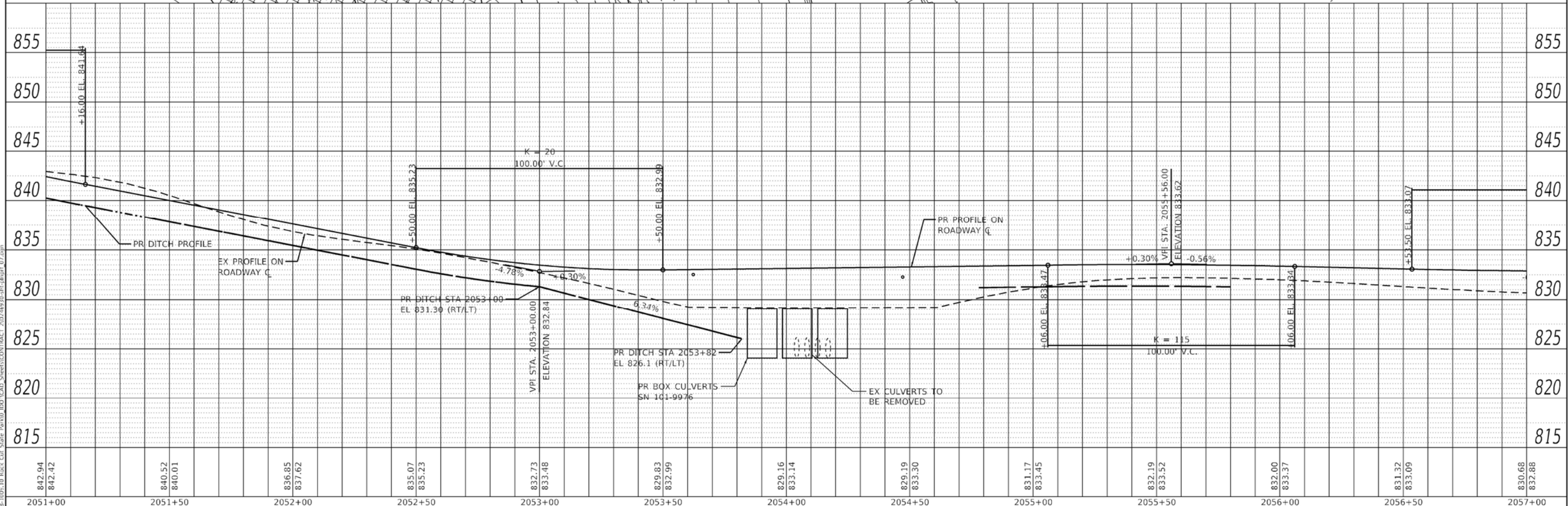
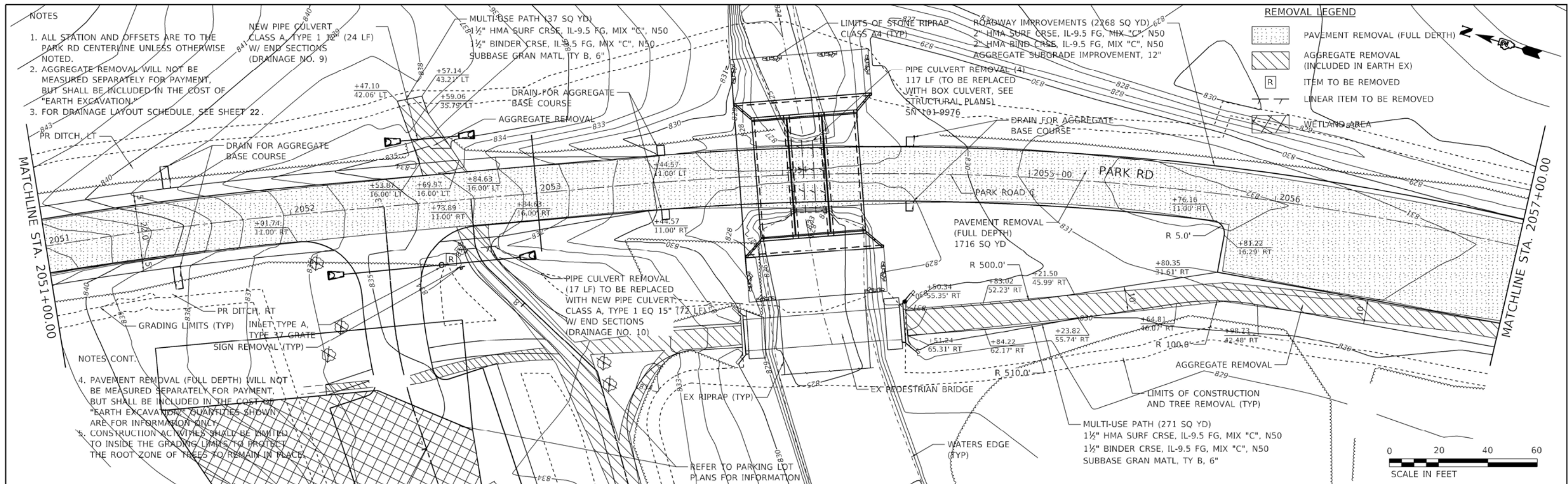
PLAN & PROFILE - PARK ROAD
ROCK CUT STATE PARK

SCALE: 1"=20'
SHEET 6 OF 17 SHEETS
STA. 2045+00.00 TO STA. 2051+00.00

F.A. RTE. SECTION COUNTY TOTAL SHEETS SHEET NO.
ROCK CUT PHASE 3 - 2023 WINNEBAGO 139 37
CONTRACT NO. 46934

ILLINOIS FED. AID PROJECT

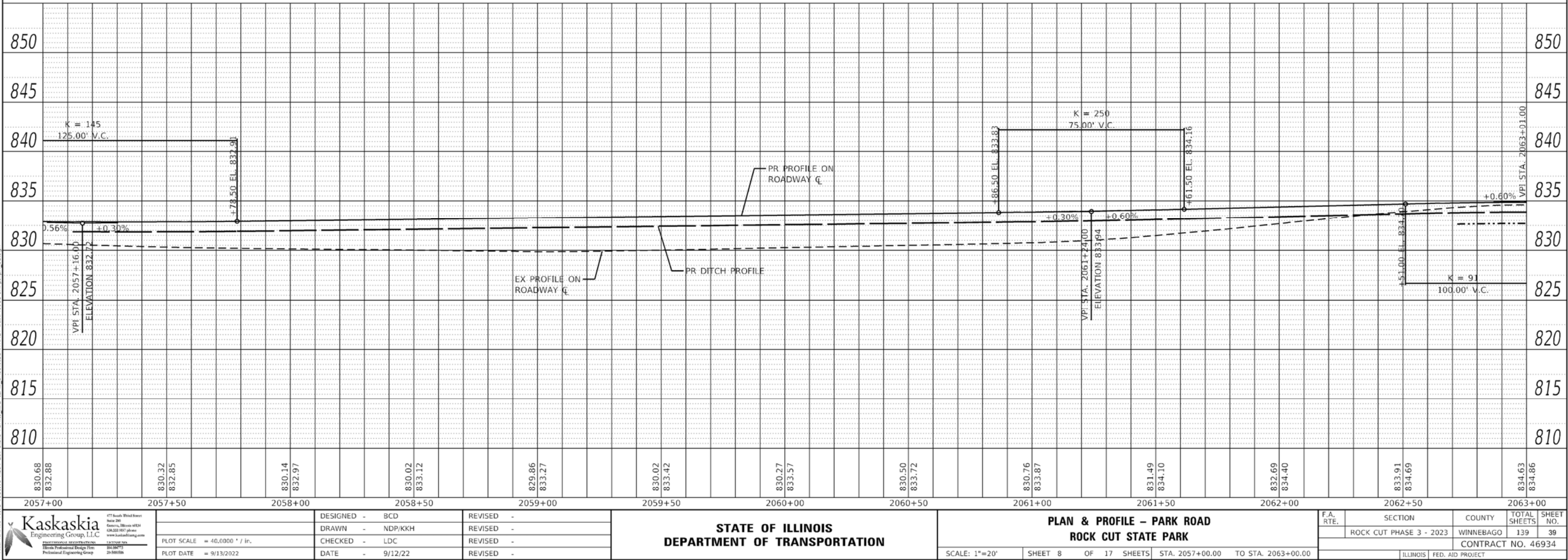
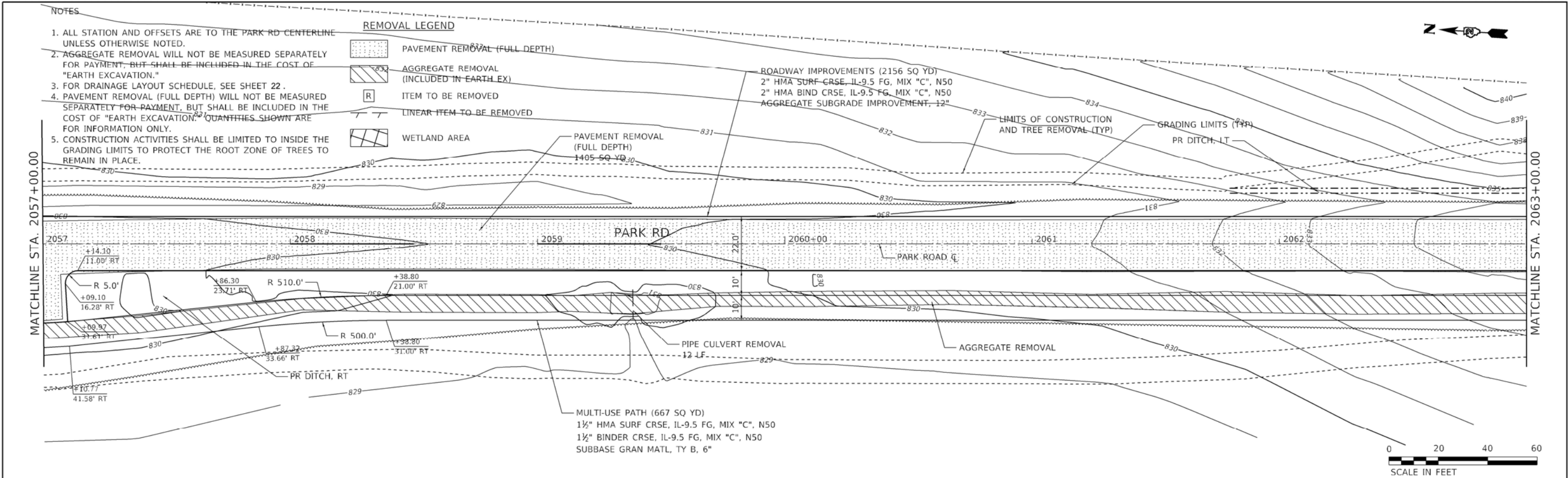
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	PLOTTED _____ GRADES CHECKED _____ B.M. NOTED _____ STRUCTURE NOTATION CHKD _____		
NOTE BOOK			
NO. _____			



PLAN	SURVEYED	DATE
NO.	BY	
NOTE BOOK	ALIGNED CHECKED	
	FILED	

PROFILE	SURVEYED _____	BY _____	DATE _____
	PLOTTED _____		
NOTE BOOK _____	GRADES CHECKED _____		
	I.M. NOTED _____		
NO. _____	STRUCTURE NOTATIONS CHKD _____		

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	PLOTTED _____		
	GRADES CHECKED _____		
	B.M. NOTED _____		
	STRUCTURE NOTATIONS CHKD NO. _____		

MODEL: Default

1. ALL STATION AND OFFSETS ARE TO THE PARK RD CENTERLINE UNLESS OTHERWISE NOTED.
2. AGGREGATE REMOVAL WILL NOT BE MEASURED SEPARATELY FOR PAYMENT, BUT SHALL BE INCLUDED IN THE COST OF "EARTH EXCAVATION."
3. FOR DRAINAGE LAYOUT SCHEDULE, SEE SHEET 22.

4. PAVEMENT REMOVAL (FULL DEPTH) WILL NOT BE MEASURED SEPARATELY FOR PAYMENT, BUT SHALL BE INCLUDED IN THE COST OF "EARTH EXCAVATION." QUANTITIES SHOWN ARE FOR INFORMATION ONLY.

5. CONSTRUCTION ACTIVITIES SHALL BE LIMITED TO INSIDE THE GRADING LIMITS TO PROTECT THE ROOT ZONE OF TREES TO REMAIN IN PLACE.

PAVEMENT REMOVAL (FULL DEPTH)

AGGREGATE REMOVAL
(INCLUDED IN EARTH EX)

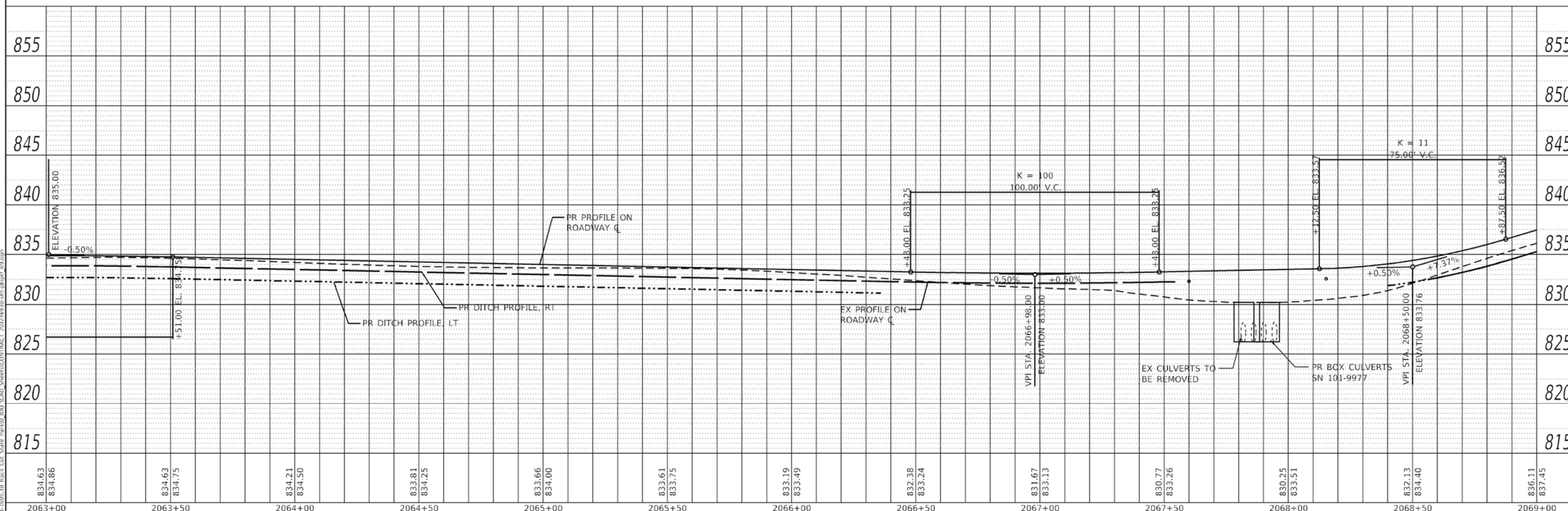
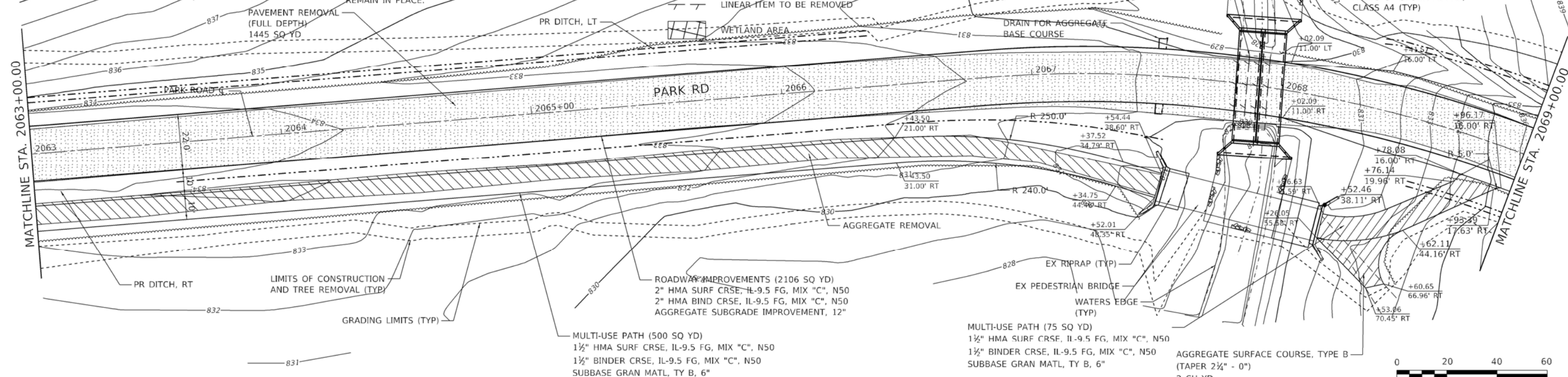
ITEM TO BE REMOVED

LINEAR ITEM TO BE REMOVED

WETLAND AREA

PIPE CULVERT REMOVAL (4)
117 LF (TO BE REPLACED
WITH BOX CULVERT, SEE
STRUCTURAL PLANS)
-5N 101-9977-

— LIMITS OF STONE RIPRAP,
CLASS A4 (TYP)



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

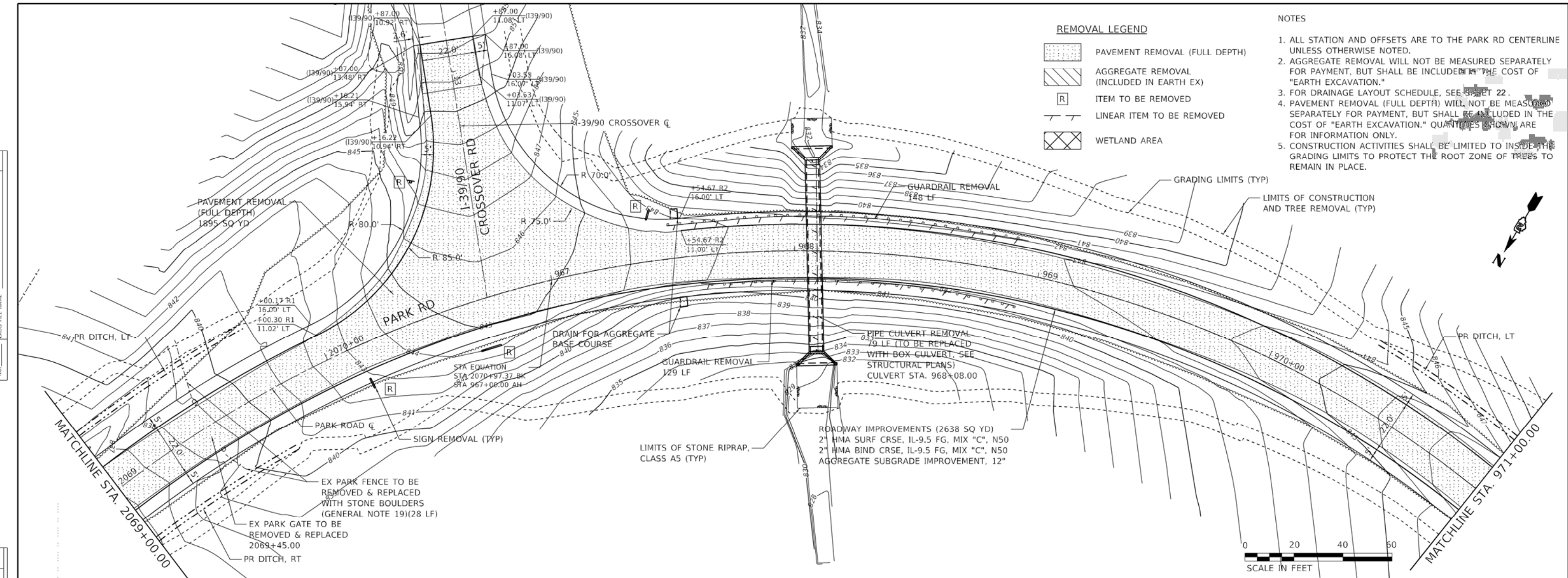
**PLAN & PROFILE – PARK ROAD
ROCK CUT STATE PARK**

SCALE: 1"=20'	SHEET 9	OF 17 SHEETS	STA. 2063+00.00	TO STA. 2069+00.00
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	ROCK CUT PHASE 3 - 2023	WINNEBAGO	139	40
		CONTRACT NO. 46934		
		ILLINOIS	FED. AID PROJECT	

PLAN	DATE
SURVEYED	BY
NOTED	BY
ALIGNED	BY
CHECKED	BY
DATE	
NO.	

PROFILE	DATE
SURVEYED	BY
NOTED	BY
GRADES	BY
CHECKED	BY
DATE	
NO.	

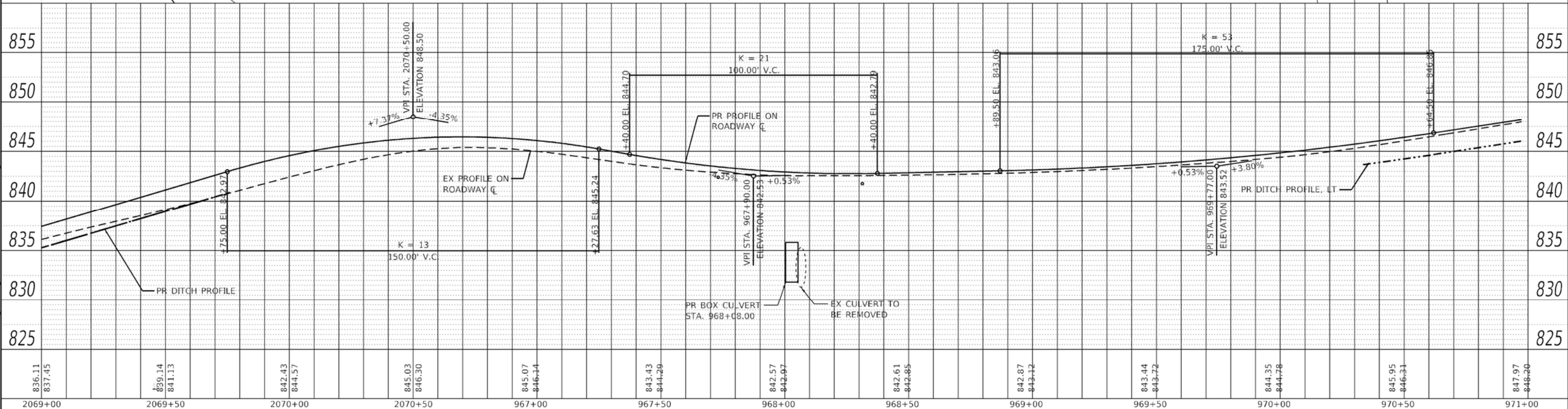


REMOVAL LEGEND

- PAVEMENT REMOVAL (FULL DEPTH)
- AGGREGATE REMOVAL (INCLUDED IN EARTH EX)
- ITEM TO BE REMOVED
- LINEAR ITEM TO BE REMOVED
- WETLAND AREA

NOTES

- ALL STATION AND OFFSETS ARE TO THE PARK RD CENTERLINE UNLESS OTHERWISE NOTED.
- AGGREGATE REMOVAL WILL NOT BE MEASURED SEPARATELY FOR PAYMENT, BUT SHALL BE INCLUDED IN THE COST OF "EARTH EXCAVATION."
- FOR DRAINAGE LAYOUT SCHEDULE, SEE SHEET 22.
- PAVEMENT REMOVAL (FULL DEPTH) WILL NOT BE MEASURED SEPARATELY FOR PAYMENT, BUT SHALL BE INCLUDED IN THE COST OF "EARTH EXCAVATION." QUANTITIES SHOWN ARE FOR INFORMATION ONLY.
- CONSTRUCTION ACTIVITIES SHALL BE LIMITED TO INSIDE THE GRADING LIMITS TO PROTECT THE ROOT ZONE OF TREES TO REMAIN IN PLACE.



PROFILE	SURVEYED _____		BY _____	DATE _____
	PLOTTED _____			
	GRADES CHECKED _____			
	B.M. NOTED _____			
NOTE BOOK NO. _____	STRUCTURE NOTATION'S CHKD _____			

Kaskaskia
Engineering Group, LLC

PROFESSIONAL REGISTRATIONS
Illinois Professional Design Firm
Professional Engineering Group

477 South Third Street
Suite 200
Geneva, Illinois 60134
630.332.9357 phone
www.kaskaskiaeng.com

1 LICENSE NO.
04-004773
20-580586

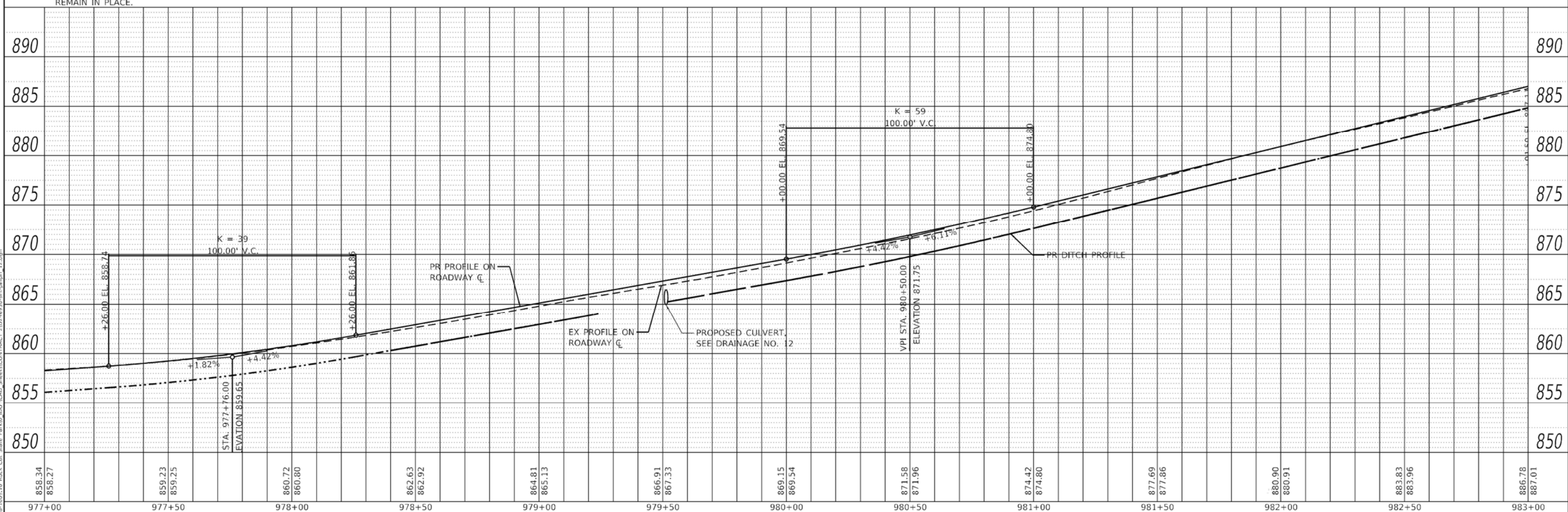
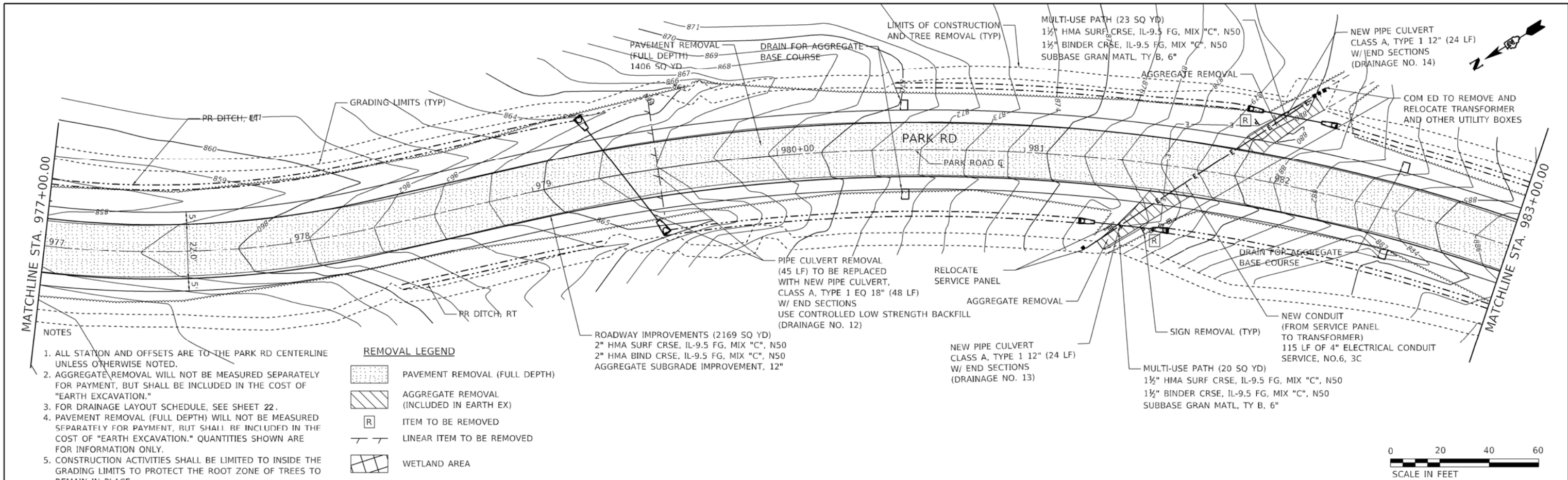
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	ROCK CUT PHASE 3 - 2023	WINNEBAGO	139	42
		CONTRACT NO. 46934		
		ILLINOIS FED. AID PROJECT		

PLAN	SURVEYED	DATE
NO.	BY	
NOTE BOOK		
NO.		

PROFILE	SURVEYED	DATE
NO.	BY	
NOTE BOOK		
NO.		

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SHEET: 12 of 17
DATE: 9/13/2022



 <div>Kaskaskia Engineering Group, LLC <small>117 South Third Street Suite 200 Galesburg, Illinois 62401 (618) 333-1001 www.kaskaskiaeng.com</small> <small>AN EQUAL OPPORTUNITY FIRM</small> <small>Illinois Professional Engineer Firm No. 044-004763</small> <small>Professional Engineering Group 20-MB0100</small></div>		DESIGNED - BCD	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN & PROFILE – PARK ROAD ROCK CUT STATE PARK				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 40,000' = 1 in.	DRAWN - NDP/KKH	REVISED -						ROCK CUT PHASE 3 - 2023	WINNEBAGO	139	43	
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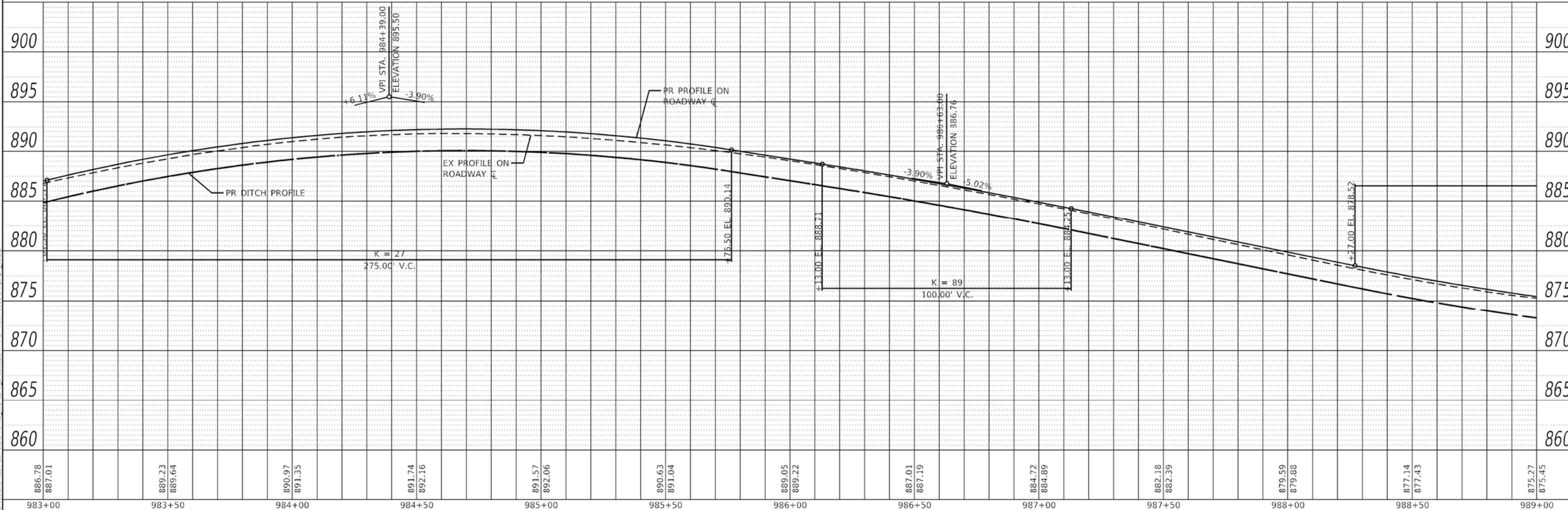
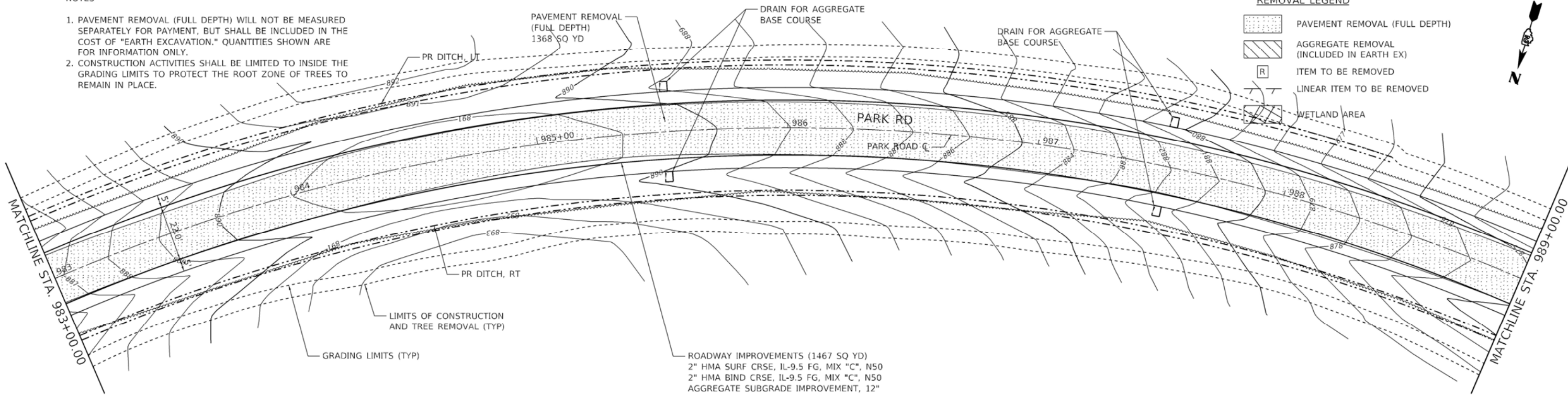
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NO.	PLOTTED		
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NO.	PLOTTED		
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	CHECKED		
	STRUCTURE		
	NOTES		

MODEL: Default
FILE NAME: P:\13-105-10 Rock Cut State Park\10 CAD Sheets\CONTRACT 20246934-13.dgn

NOTES

- PAVEMENT REMOVAL (FULL DEPTH) WILL NOT BE MEASURED SEPARATELY FOR PAYMENT, BUT SHALL BE INCLUDED IN THE COST OF "EARTH EXCAVATION." QUANTITIES SHOWN ARE FOR INFORMATION ONLY.
- CONSTRUCTION ACTIVITIES SHALL BE LIMITED TO INSIDE THE GRADING LIMITS TO PROTECT THE ROOT ZONE OF TREES TO REMAIN IN PLACE.



Kaskaskia Engineering Group, LLC 177 South Third Street Suite 200 Galesburg, Illinois 62404 (618) 330-1007 www.kaskaskiaeng.com				STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				PLAN & PROFILE - PARK ROAD ROCK CUT STATE PARK				F.A. RTE. SECTION COUNTY TOTAL SHEETS SHEET NO. ROCK CUT PHASE 3 - 2023 WINNEBAGO 139 44 CONTRACT NO. 46934			
DESIGNED - BCD DRAWN - NDP/KKH CHECKED - LDC DATE - 9/12/22				REVISED - REVISED - REVISED - REVISED -				SCALE: 1"=20' SHEET 13 OF 17 SHEETS STA. 983+00.00 TO STA. 989+00.00				ILLINOIS FED. AID PROJECT			

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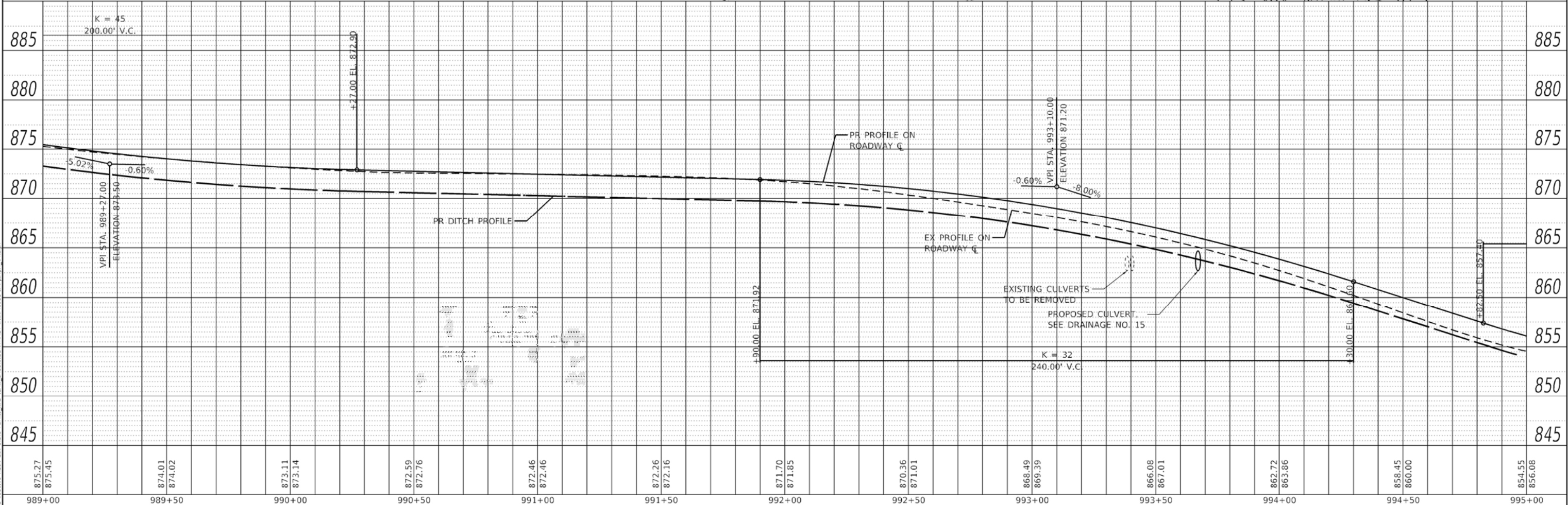
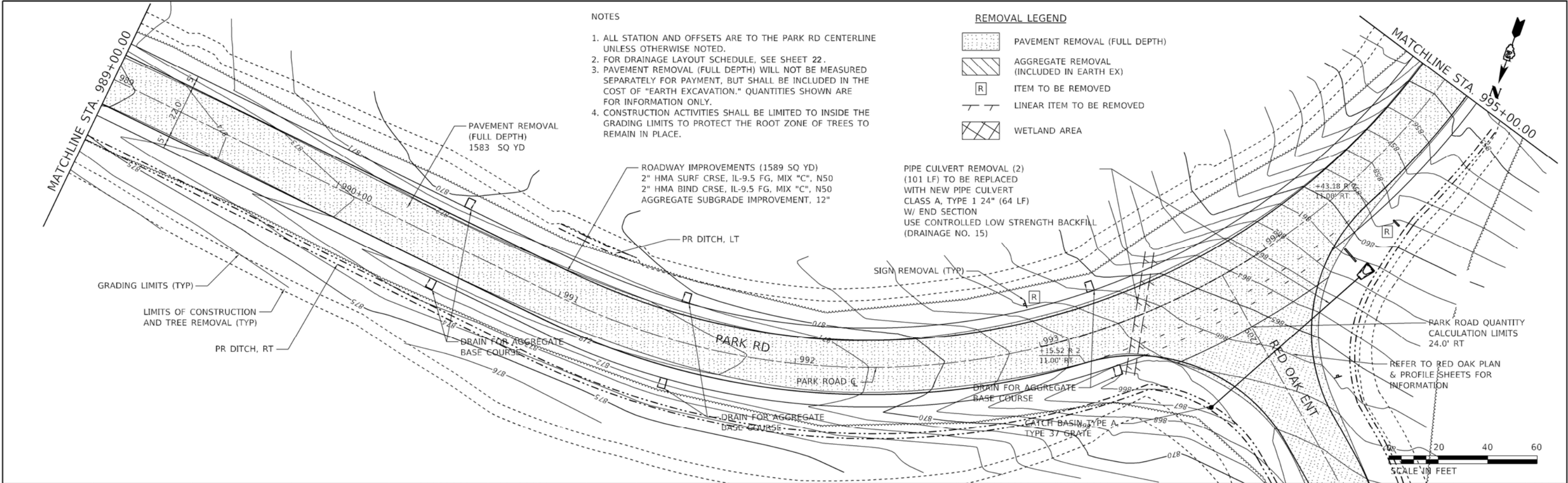
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	DATE		
	FILE NAME		
	NO.		

NOTES

1. ALL STATION AND OFFSETS ARE TO THE PARK RD CENTERLINE UNLESS OTHERWISE NOTED.
2. FOR DRAINAGE LAYOUT SCHEDULE, SEE SHEET 22.
3. PAVEMENT REMOVAL (FULL DEPTH) WILL NOT BE MEASURED SEPARATELY FOR PAYMENT, BUT SHALL BE INCLUDED IN THE COST OF "EARTH EXCAVATION." QUANTITIES SHOWN ARE FOR INFORMATION ONLY.
4. CONSTRUCTION ACTIVITIES SHALL BE LIMITED TO INSIDE THE GRADING LIMITS TO PROTECT THE ROOT ZONE OF TREES TO REMAIN IN PLACE.

REMOVAL LEGEND

- PAVEMENT REMOVAL (FULL DEPTH)
- AGGREGATE REMOVAL (INCLUDED IN EARTH EX)
- ITEM TO BE REMOVED
- LINEAR ITEM TO BE REMOVED
- WETLAND AREA



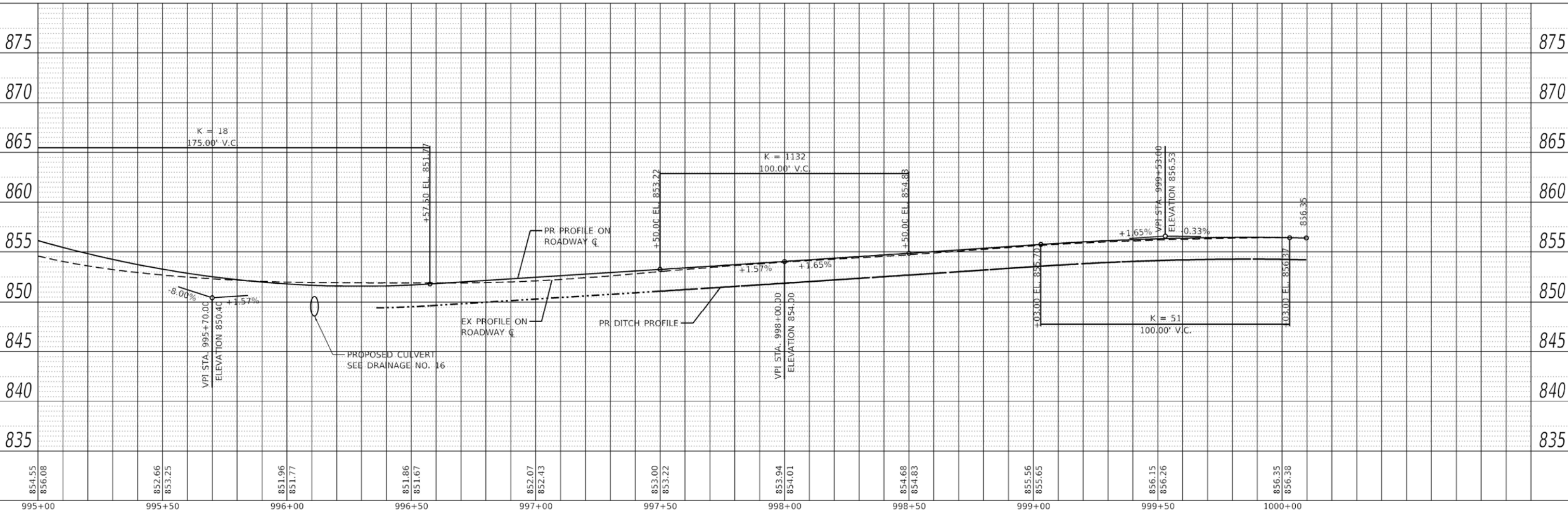
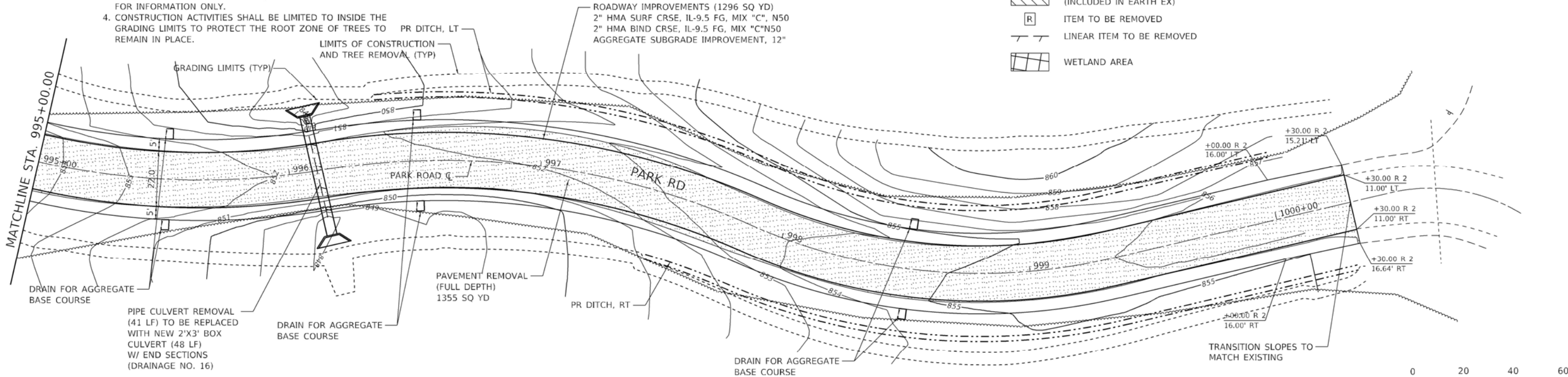
 <div>Kaskaskia Engineering Group, LLC 277 South Third Street Suite 200 Galesburg, Illinois 61601 (815) 332-1051 phone www.kaskaskiaeng.com Professional Engineering Firm Professional Engineering Firm 26-5901096</div>	DESIGNED - BCD	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN & PROFILE – PARK ROAD ROCK CUT STATE PARK				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN - NDP/KKH	REVISED -							ROCK CUT PHASE 3 - 2023	WINNEBAGO	139	45
	CHECKED - LDC	REVISED -							CONTRACT NO. 46934			
	DATE - 9/12/22	REVISED -							ILLINOIS	FED. AID PROJECT		
PLOT SCALE = 40.0000 ' / in.				SCALE: 1"=20'	SHEET 14	OF 17	SHEETS	STA. 989+00.00	TO STA. 995+00.00			
PLOT DATE = 9/13/2022												

NOTES

1. ALL STATION AND OFFSETS ARE TO THE PARK RD CENTERLINE UNLESS OTHERWISE NOTED.
2. FOR DRAINAGE LAYOUT SCHEDULE, SEE SHEET 22.
3. PAVEMENT REMOVAL (FULL DEPTH) WILL NOT BE MEASURED SEPARATELY FOR PAYMENT, BUT SHALL BE INCLUDED IN THE COST OF "EARTH EXCAVATION." QUANTITIES SHOWN ARE FOR INFORMATION ONLY.
4. CONSTRUCTION ACTIVITIES SHALL BE LIMITED TO INSIDE THE GRADING LIMITS TO PROTECT THE ROOT ZONE OF TREES TO REMAIN IN PLACE.

REMOVAL LEGEND

- PAVEMENT REMOVAL (FULL DEPTH)
- AGGREGATE REMOVAL (INCLUDED IN EARTH EX)
- ITEM TO BE REMOVED
- LINEAR ITEM TO BE REMOVED
- WETLAND AREA



DESIGNED - BCD				REVISED -			
DRAWN - NDP/KKH				REVISED -			
CHECKED - LDC				REVISED -			
DATE - 9/12/22				REVISED -			

PLOT SCALE = 40,000' / in.				PLOT DATE = 9/13/2022			
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STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				PLAN & PROFILE - PARK ROAD ROCK CUT STATE PARK			
SCALE: 1"=20'				SHEET 15 OF 17 SHEETS			
STA. 995+00.00				TO STA. 1000+00.00			

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	ROCK CUT PHASE 3 - 2023	WINNEBAGO	139	46
CONTRACT NO. 46934				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	BY
NOTE BOOK	ALIGNED CHECKED	
	FILED	FILE NAME

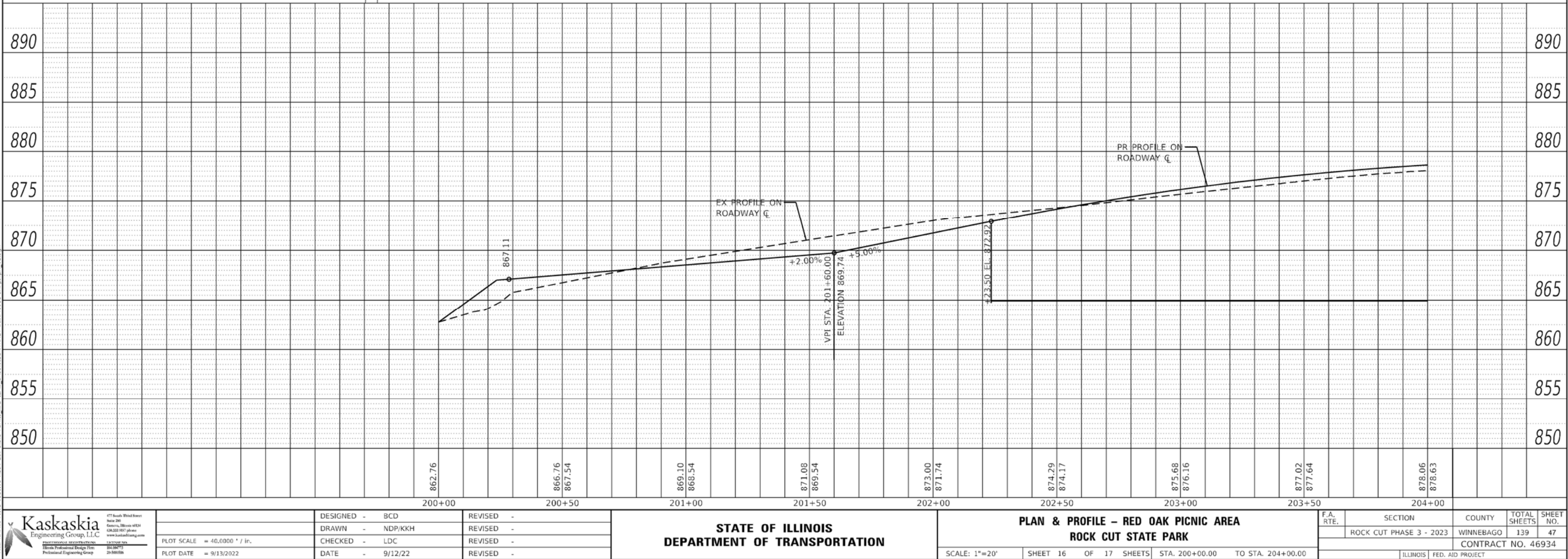
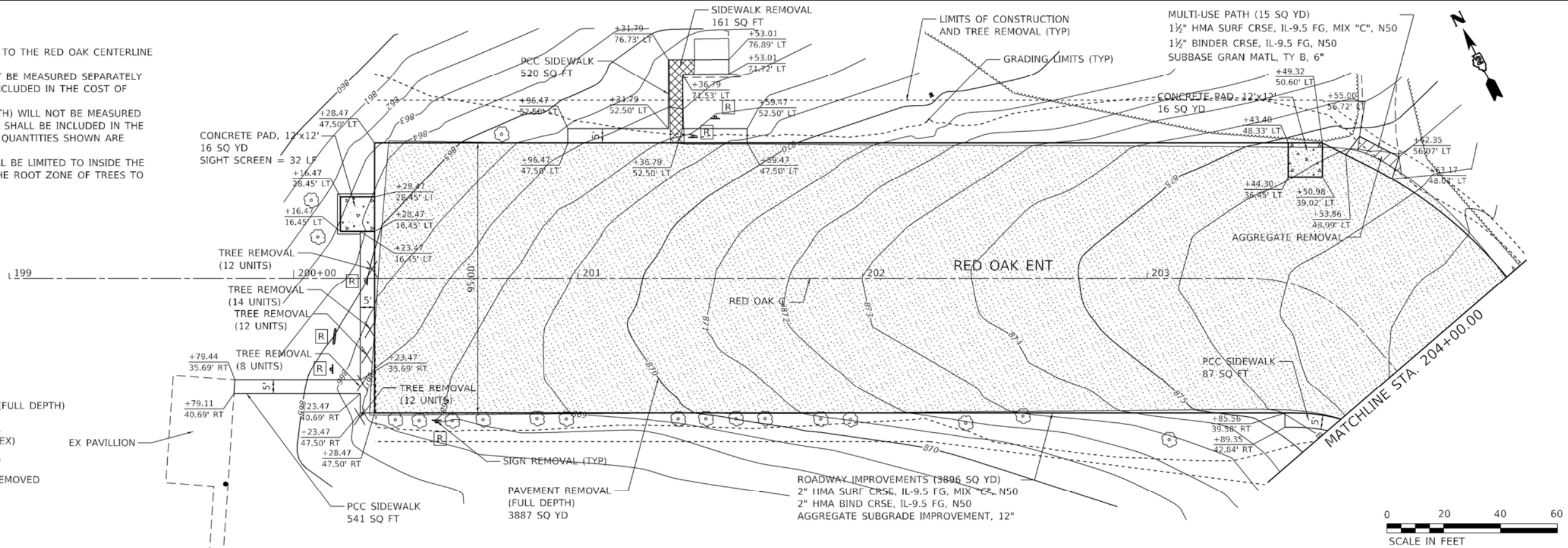
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	PLOTTED	BY
NOTE BOOK	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	

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SHEET: 16 of 17

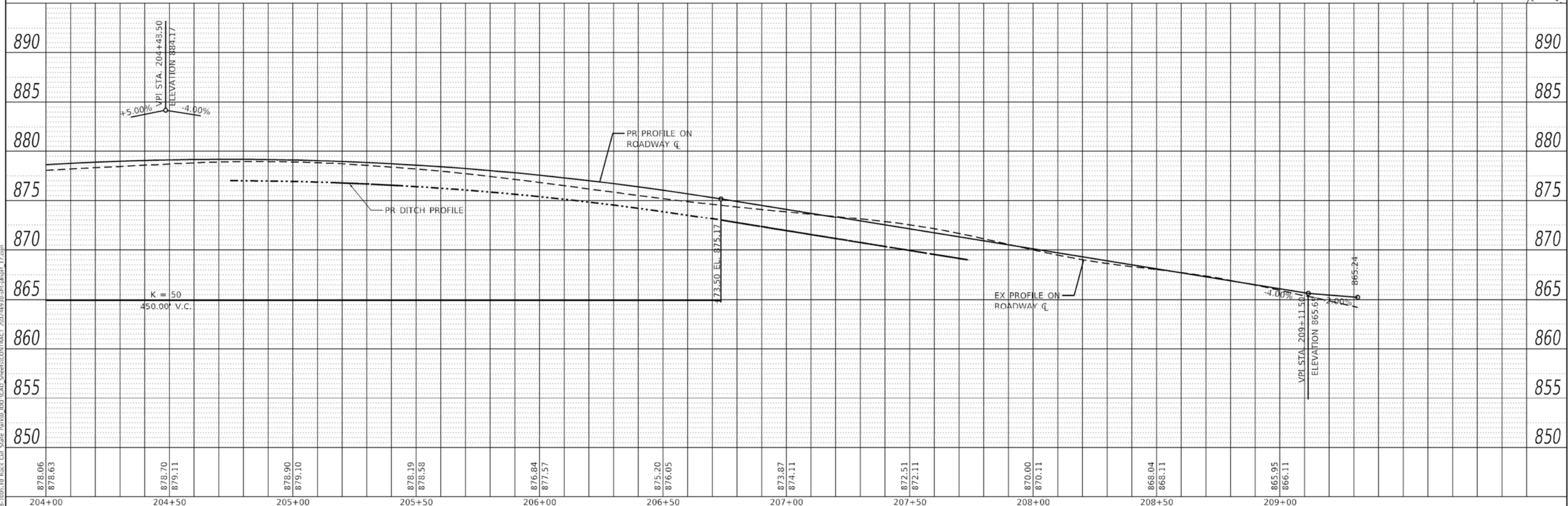
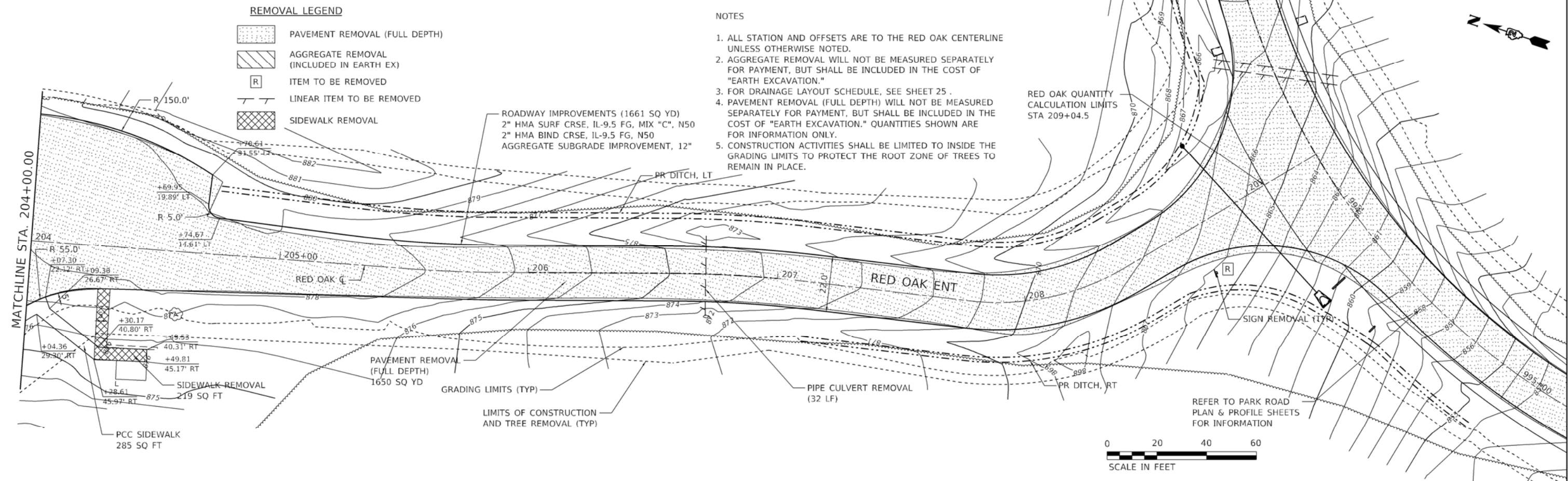
- NOTES
1. ALL STATION AND OFFSETS ARE TO THE RED OAK CENTERLINE UNLESS OTHERWISE NOTED.
 2. AGGREGATE REMOVAL WILL NOT BE MEASURED SEPARATELY FOR PAYMENT, BUT SHALL BE INCLUDED IN THE COST OF "EARTH EXCAVATION."
 3. PAVEMENT REMOVAL (FULL DEPTH) WILL NOT BE MEASURED SEPARATELY FOR PAYMENT, BUT SHALL BE INCLUDED IN THE COST OF "EARTH EXCAVATION." QUANTITIES SHOWN ARE FOR INFORMATION ONLY.
 4. CONSTRUCTION ACTIVITIES SHALL BE LIMITED TO INSIDE THE GRADING LIMITS TO PROTECT THE ROOT ZONE OF TREES TO REMAIN IN PLACE.

REMOVAL LEGEND

- PAVEMENT REMOVAL (FULL DEPTH)
- AGGREGATE REMOVAL (INCLUDED IN EARTH EX)
- ITEM TO BE REMOVED
- LINEAR ITEM TO BE REMOVED
- SIDEWALK REMOVAL



PROFILE	SURVEYED _____	BY _____	DATE _____
	PLOTTED _____ GRADES CHECKED _____ B.M. NOTED _____ STRUCTURE NOTATION CHKD _____		
NOTE BOOK			
NO. _____			



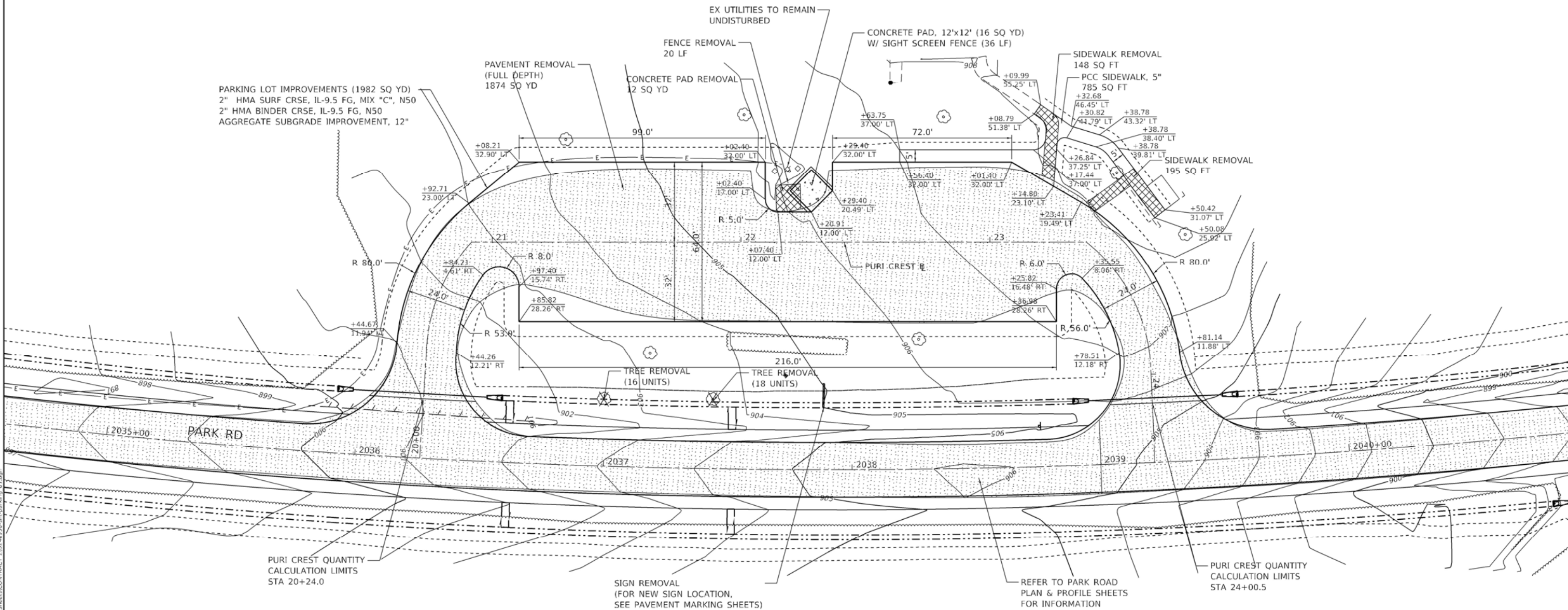


NOTES:

1. ALL STATION AND OFFSETS ARE TO THE PURI CREST BASELINE UNLESS OTHERWISE NOTED.
2. CONSTRUCTION ACTIVITIES SHALL BE LIMITED TO INSIDE THE GRADING LIMITS TO PROTECT THE ROOT ZONE OF TREES TO REMAIN IN PLACE.

REMOVAL LEGEND

- PAVEMENT REMOVAL (FULL DEPTH)
- AGGREGATE REMOVAL (INCLUDED IN EARTH EX)
- ITEM TO BE REMOVED
- LINEAR ITEM TO BE REMOVED
- SIDEWALK AND CONCRETE PAD REMOVAL



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Winnebago, IL 60093
Professional Engineering Group

DESIGNED -	BCD	REVISED -	
DRAWN -	KKH	REVISED -	
CHECKED -	LDC	REVISED -	
DATE -	9/12/22	REVISED -	
PLOT SCALE = 40,0000' / in.			
PLOT DATE = 9/13/2022			

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PARKING LOT PLAN - PURI CREST PICNIC AREA
ROCK CUT STATE PARK

SCALE: 1"=20' SHEET 1 OF 3 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	ROCK CUT PHASE 3 - 2023	WINNEBAGO	139	49
CONTRACT NO. 46934				
ILLINOIS FED. AID PROJECT				

PARKING LOT B LAYOUT

(A) STA 1+00.00 N 2073382.932 E 2620168.733	(C) STA 2+60.52 N 2073471.761 E 2621202.041
(B) STA 2+13.85 N 2073449.233 E 2621161.284	(D) STA 3+00.00 N 2073486.706 E 2621238.579

PATH B LAYOUT

(E) STA 5+00.00 N 2073216.574 E 2621010.128	(I) STA 6+87.50 N 2073344.620 E 2621140.388	(M) STA 8+34.00 N 2073447.882 E 2621237.173
(F) STA 5+84.92 N 2073284.050 E 2621057.814	(J) STA 7+08.67 N 2073356.956 E 2621157.586	(N) STA 8+50.00 N 2073453.939 E 2621251.982
(G) STA 6+15.33 N 2073299.972 E 2621083.715	(K) STA 7+59.42 N 2073384.250 E 2621200.364	
(H) STA 6+25.98 N 2073306.104 E 2621092.417	(L) STA 8+19.46 N 2073438.171 E 2621226.784	

REMOVAL LEGEND

	PAVEMENT REMOVAL (FULL DEPTH)
	AGGREGATE REMOVAL (INCLUDED IN EARTH EX)
	ITEM TO BE REMOVED
	LINEAR ITEM TO BE REMOVED

NOTES

1. PAVEMENT REMOVAL (FULL DEPTH) WILL NOT BE MEASURED SEPARATELY FOR PAYMENT, BUT SHALL BE INCLUDED IN THE COST OF "EARTH EXCAVATION." QUANTITIES SHOWN ARE FOR INFORMATION ONLY.
2. CONSTRUCTION ACTIVITIES SHALL BE LIMITED TO INSIDE THE GRADING LIMITS TO PROTECT THE ROOT ZONE OF TREES TO REMAIN IN PLACE.
3. FOR DRAINAGE LAYOUT SCHEDULE, SEE SHEET 22.
4. STOCKPILE TO BE RESPREAD ACROSS SITE, OR REMOVED FROM SITE AS PART OF CONTRACT.
5. TREE PILE TO BE REMOVED FROM SITE AS PART OF CONTRACT.

APPROXIMATE LIMITS OF
7' TALL TOPSOIL STOCKPILE
9,680 SQ.FT.±

APPROXIMATE LIMITS OF
TREE PILE
3,522 SQ.FT.±

AGGREGATE SURFACE COURSE, TYPE B
(TAPER 2 1/4" - 0")
1 CU YD

PARKING LOT IMPROVEMENTS (679 SQ YD)
2" HMA SURF CRSE, IL-9.5 FG, MIX "C", N50
2" HMA BINDER CRSE, IL-9.5 FG, N50
AGGREGATE SUBGRADE IMPROVEMENT, 12"

DROP-DOWN BOLLARD
+49.85
(SHEET 100 FOR DETAIL)

FISHING POND

NEW PIPE CULVERT
CLASS A, TYPE 1 12" (24 LF)
W/ END SECTION
(DRAINAGE NO. 22)

CONCRETE CURB
65 LF

ACCESSIBLE FISHING
AREAS (TYP)

PCC SIDEWALK, 5"
2105 SQ FT

WATER VALVE

18" (TYP)

41" (TYP)

6" PVC
WATER MAIN PATH B

12" PIPE
INSTALLED BY IDNR

INLET, TYPE A,
TYPE 37 GRATE

R 195.0'

R 105.0'

R 85.0'

R 90.0'

R 100.0'

R 105.0'

R 110.0'

R 115.0'

R 120.0'

R 125.0'

R 130.0'

R 135.0'

R 140.0'

R 145.0'

R 150.0'

R 155.0'

R 160.0'

R 165.0'

R 170.0'

R 175.0'

R 180.0'

R 185.0'

R 190.0'

R 195.0'

R 200.0'

R 205.0'

R 210.0'

R 215.0'

R 220.0'

EX PEDESTRIAN BRIDGE

AGGREGATE PATH REMOVAL
(INCLUDED IN EARTH EX)

2 1/4" AGGREGATE SURFACE
COURSE, TYPE B (2 CU YD)

+55.85
32.00' RT

+55.85
32.00' RT

+55.85
32.00' RT

+55.85
32.00' RT

+55.85
32.00' RT

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+55.85
32.00' RT

+55.85
32.00' RT

+55.85
32.00' RT

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PARKING LOT PLAN - FISHING POND PARKING LOT
ROCK CUT STATE PARK

SCALE: 1"=20' SHEET 2 OF 3 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	ROCK CUT PHASE 3 - 2023	WINNEBAGO	139	50
				CONTRACT NO. 46934

ILLINOIS FED. AID PROJECT

DESIGNED - BCD	REVISED -
DRAWN - KKH	REVISED -
CHECKED - LDC	REVISED -
DATE - 9/12/22	REVISED -

DESIGNED - BCD	REVISED -
DRAWN - KKH	REVISED -
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DATE - 9/12/22	REVISED -

DESIGNED - BCD	REVISED -
DRAWN - KKH	REVISED -
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DATE - 9/12/22	REVISED -

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DRAWN - KKH	REVISED -
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DATE - 9/12/22	REVISED -

DESIGNED - BCD	REVISED -
DRAWN - KKH	REVISED -
CHECKED - LDC	REVISED -
DATE - 9/12/22	REVISED -

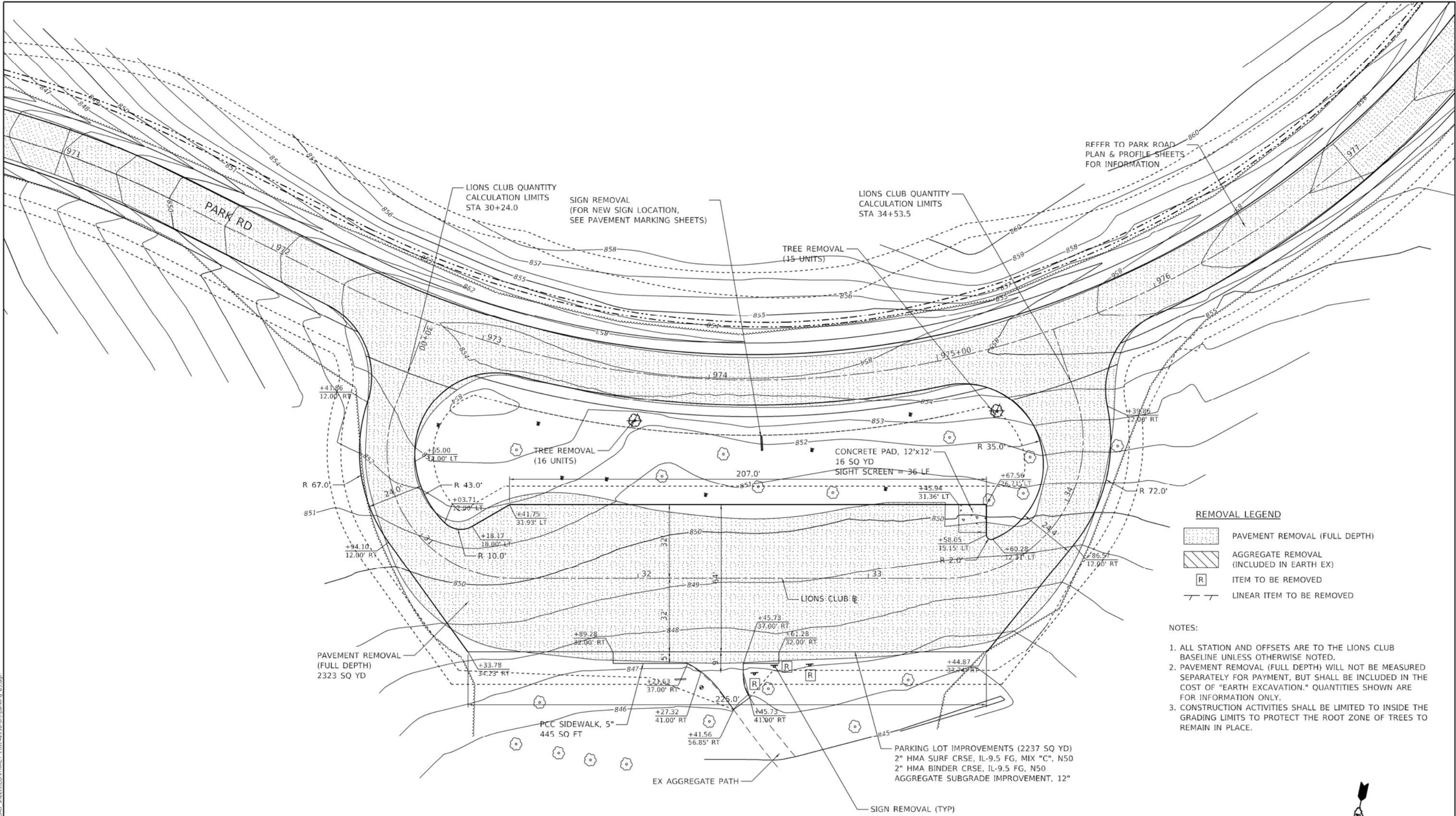
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DRAWN - KKH	REVISED -
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DATE - 9/12/22	REVISED -

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DRAWN - KKH	REVISED -
CHECKED - LDC	REVISED -
DATE - 9/12/22	REVISED -



REFER TO PARK ROAD
PLAN & PROFILE SHEETS
FOR INFORMATION

LIONS CLUB QUANTITY
CALCULATION LIMITS
STA 30+24.0

SIGN REMOVAL
(FOR NEW SIGN LOCATION,
SEE PAVEMENT MARKING SHEETS)

LIONS CLUB QUANTITY
CALCULATION LIMITS
STA 34+53.5

TREE REMOVAL
(15 UNITS)

TREE REMOVAL
(16 UNITS)

CONCRETE PAD, 12'x12'
16 SQ YD
SIGHT SCREEN = 36 LF

REMOVAL LEGEND

- PAVEMENT REMOVAL (FULL DEPTH)
- AGGREGATE REMOVAL
(INCLUDED IN EARTH EX)
- ITEM TO BE REMOVED
- LINEAR ITEM TO BE REMOVED

NOTES:

- ALL STATION AND OFFSETS ARE TO THE LIONS CLUB BASELINE UNLESS OTHERWISE NOTED.
- PAVEMENT REMOVAL (FULL DEPTH) WILL NOT BE MEASURED SEPARATELY FOR PAYMENT, BUT SHALL BE INCLUDED IN THE COST OF "EARTH EXCAVATION." QUANTITIES SHOWN ARE FOR INFORMATION ONLY.
- CONSTRUCTION ACTIVITIES SHALL BE LIMITED TO INSIDE THE GRADING LIMITS TO PROTECT THE ROOT ZONE OF TREES TO REMAIN IN PLACE.

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Illinois Professional Design Firm
20-308516

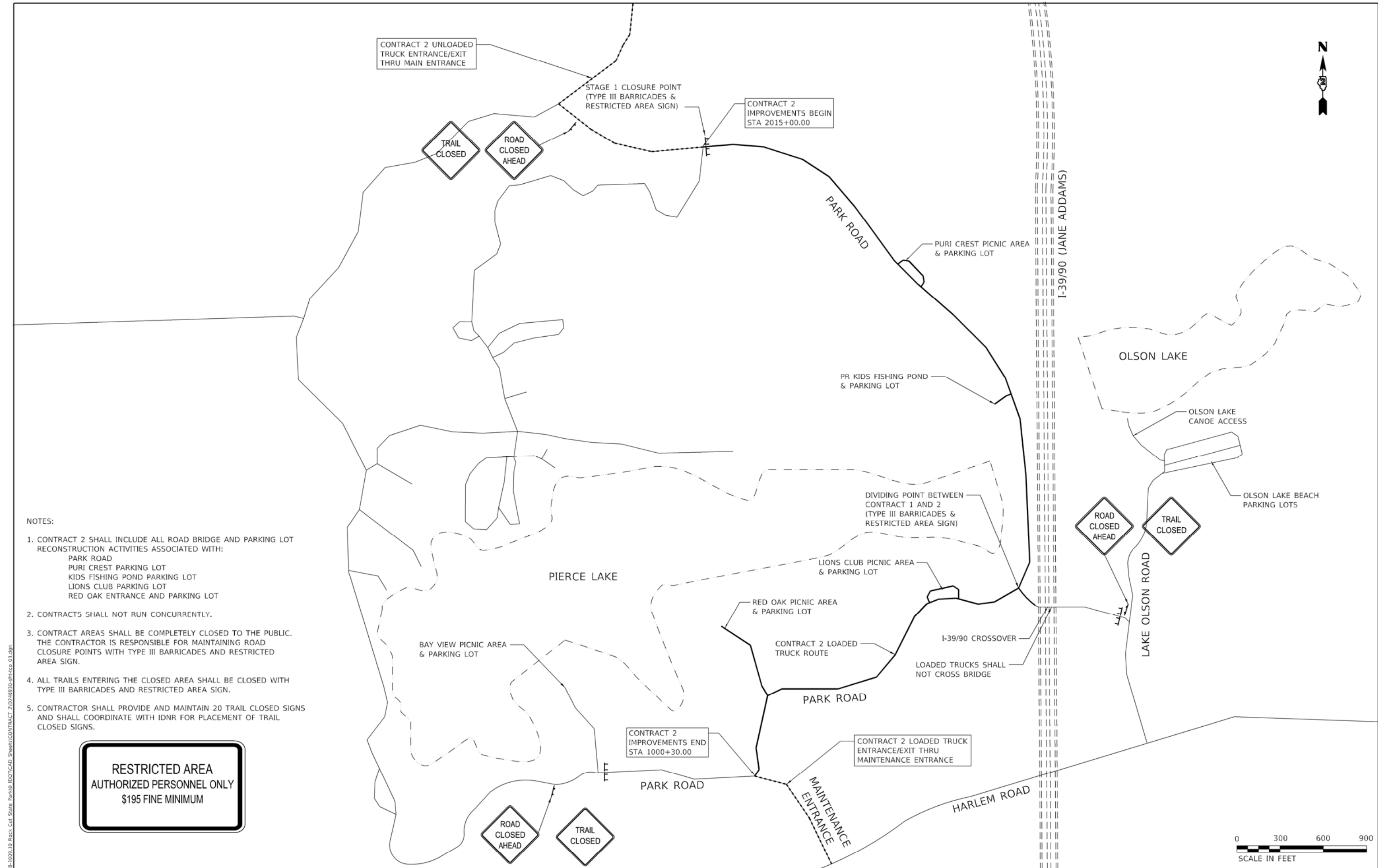
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CHECKED - LDC	REVISED -
DATE - 9/12/22	REVISED -
PLOT SCALE = 40,0000' / in.	
PLOT DATE = 9/13/2022	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PARKING LOT PLAN - LIONS CLUB PICNIC AREA
ROCK CUT STATE PARK

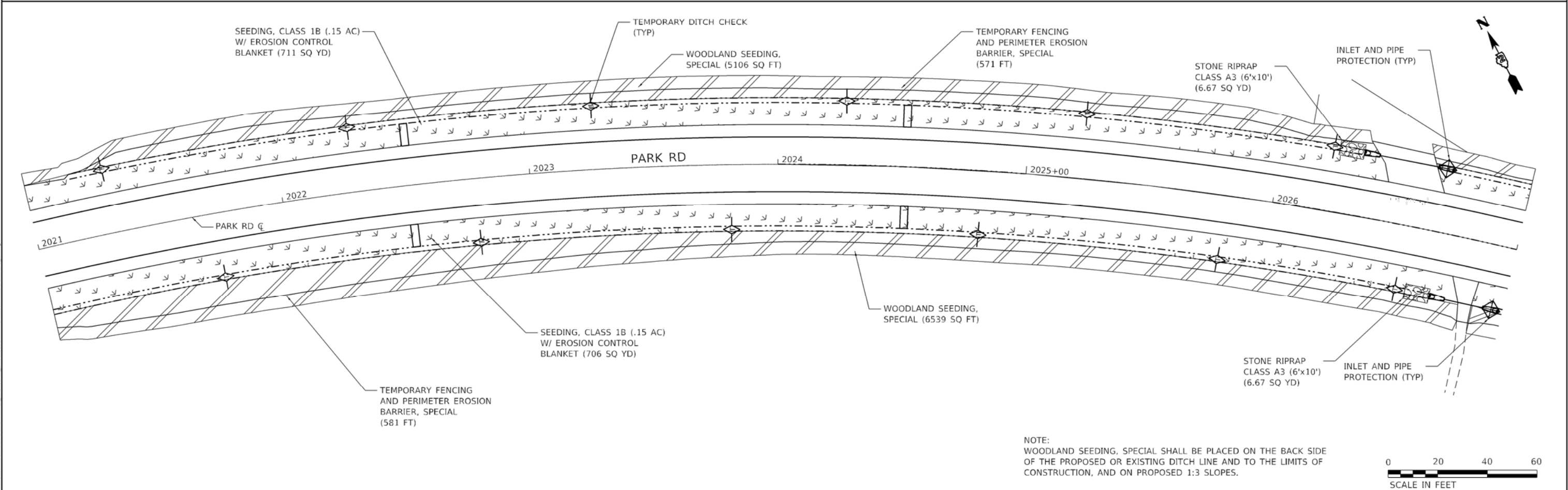
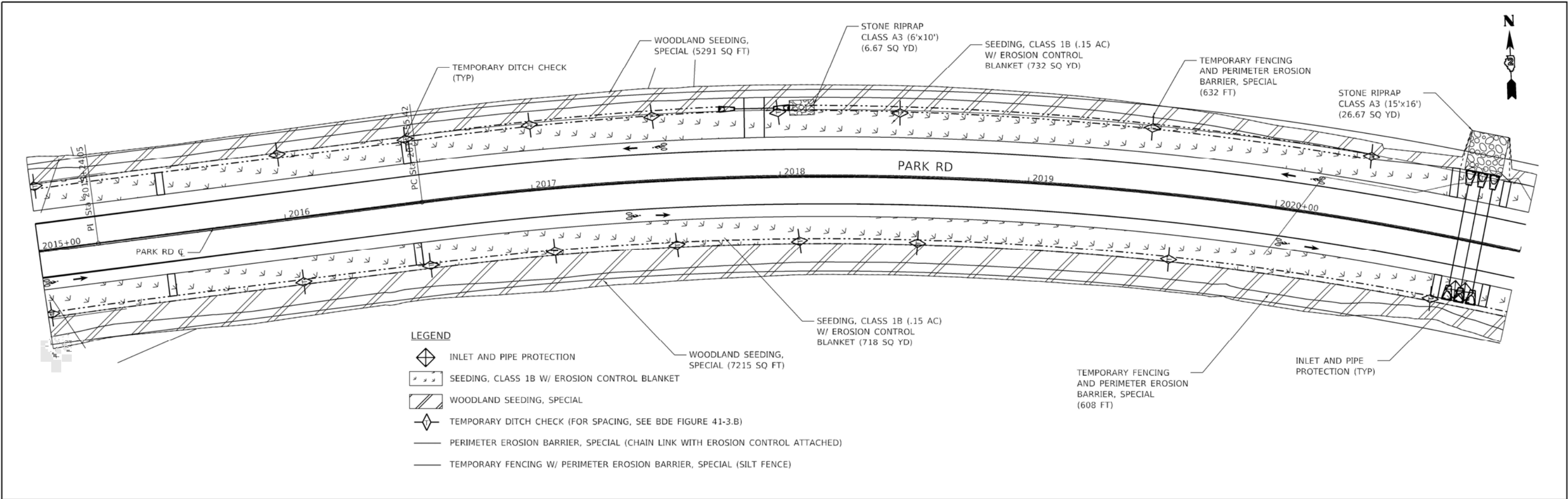
SCALE: 1"=20' SHEET 3 OF 3 SHEETS STA. TO STA.

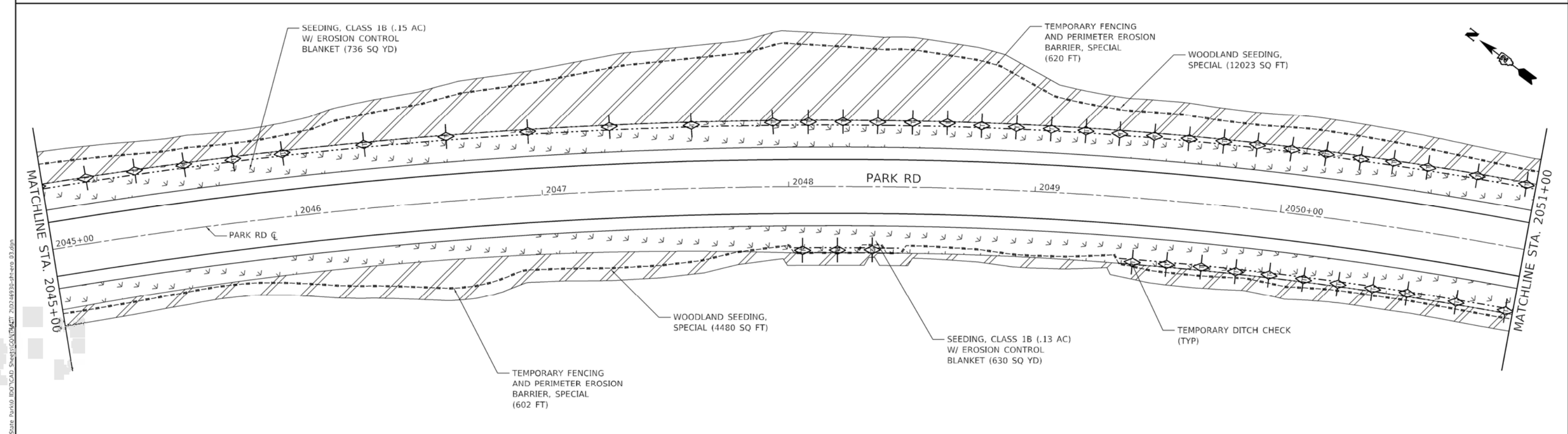
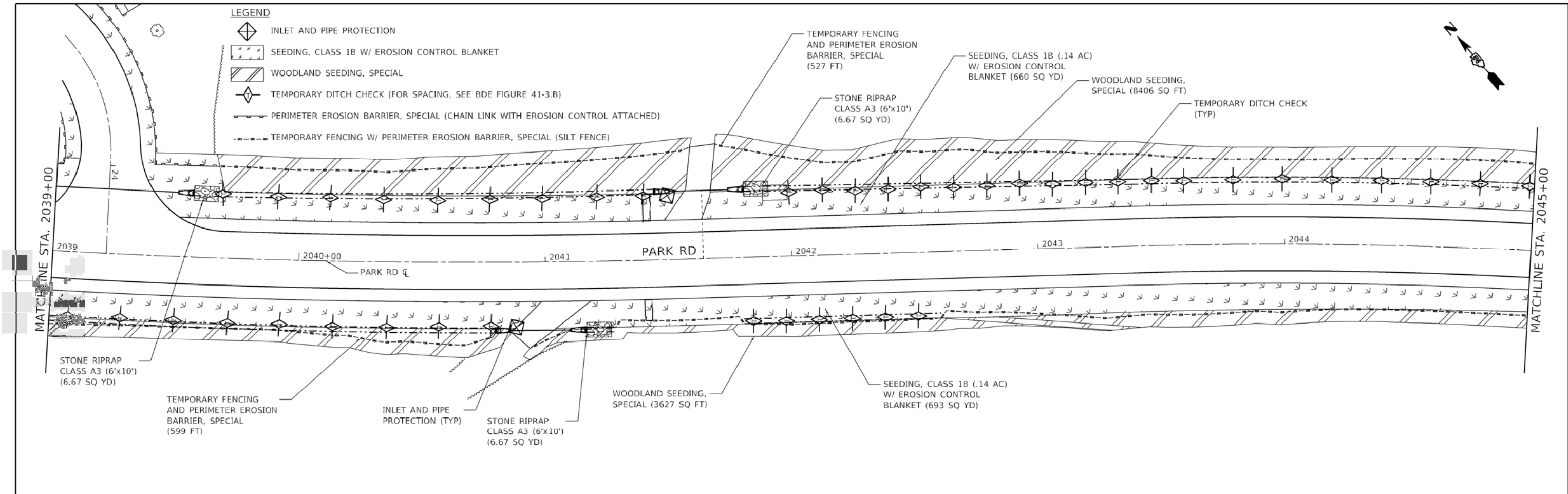
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	ROCK CUT PHASE 3 - 2023	WINNEBAGO	139	51
CONTRACT NO. 46934				
ILLINOIS FED. AID PROJECT				



- NOTES:
1. CONTRACT 2 SHALL INCLUDE ALL ROAD BRIDGE AND PARKING LOT RECONSTRUCTION ACTIVITIES ASSOCIATED WITH:
PARK ROAD
PURI CREST PARKING LOT
KIDS FISHING POND PARKING LOT
LIONS CLUB PARKING LOT
RED OAK ENTRANCE AND PARKING LOT
 2. CONTRACTS SHALL NOT RUN CONCURRENTLY.
 3. CONTRACT AREAS SHALL BE COMPLETELY CLOSED TO THE PUBLIC. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ROAD CLOSURE POINTS WITH TYPE III BARRICADES AND RESTRICTED AREA SIGN.
 4. ALL TRAILS ENTERING THE CLOSED AREA SHALL BE CLOSED WITH TYPE III BARRICADES AND RESTRICTED AREA SIGN.
 5. CONTRACTOR SHALL PROVIDE AND MAINTAIN 20 TRAIL CLOSED SIGNS AND SHALL COORDINATE WITH IDNR FOR PLACEMENT OF TRAIL CLOSED SIGNS.

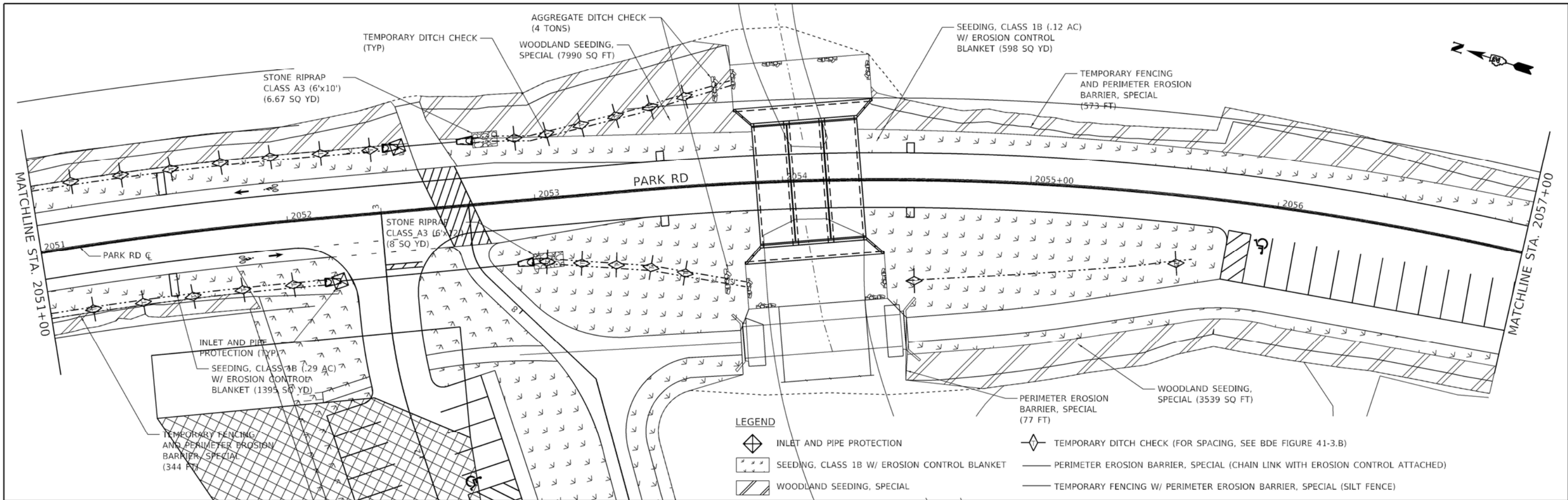
RESTRICTED AREA
AUTHORIZED PERSONNEL ONLY
\$195 FINE MINIMUM



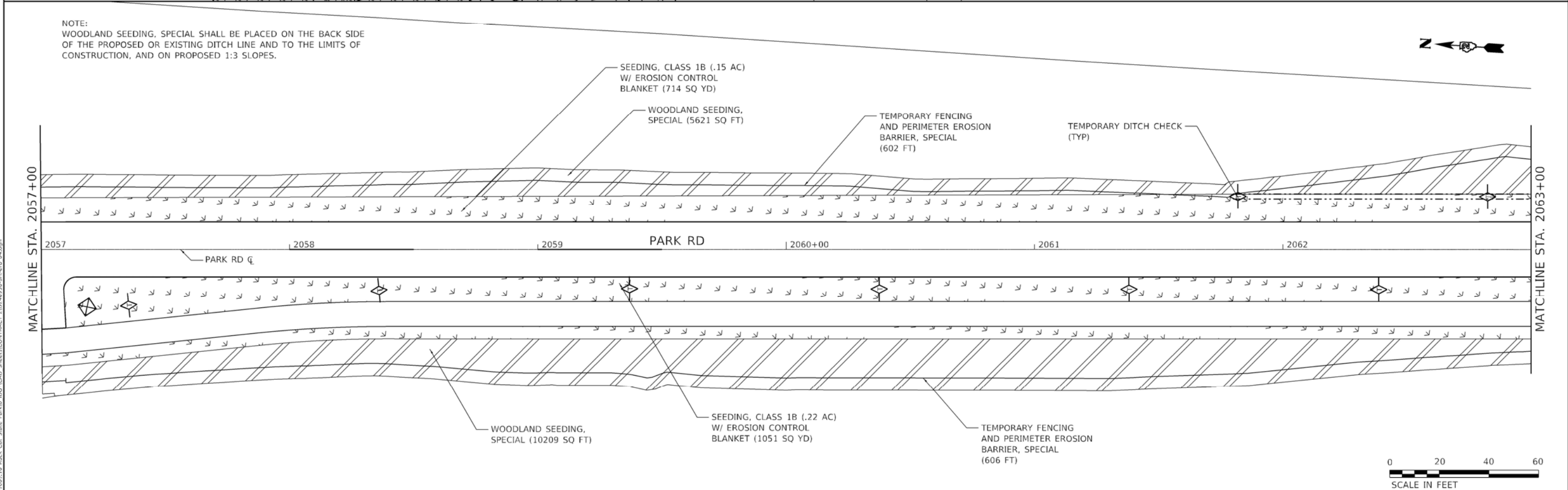


NOTE:
WOODLAND SEEDING, SPECIAL SHALL BE PLACED ON THE BACK SIDE OF THE PROPOSED OR EXISTING DITCH LINE AND TO THE LIMITS OF CONSTRUCTION, AND ON PROPOSED 1:3 SLOPES.





NOTE:
WOODLAND SEEDING, SPECIAL SHALL BE PLACED ON THE BACK SIDE
OF THE PROPOSED OR EXISTING DITCH LINE AND TO THE LIMITS OF
CONSTRUCTION, AND ON PROPOSED 1:3 SLOPES.



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Illinois Professional Design Firm
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DATE -	9/12/22	REVISED -	

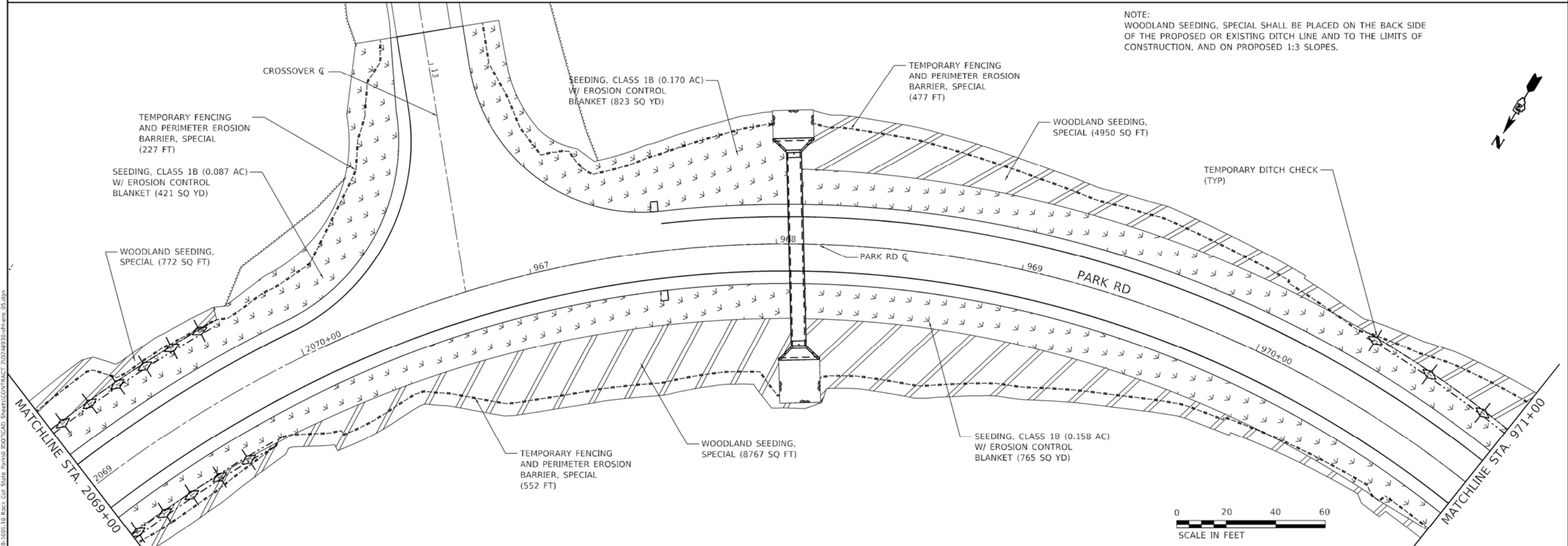
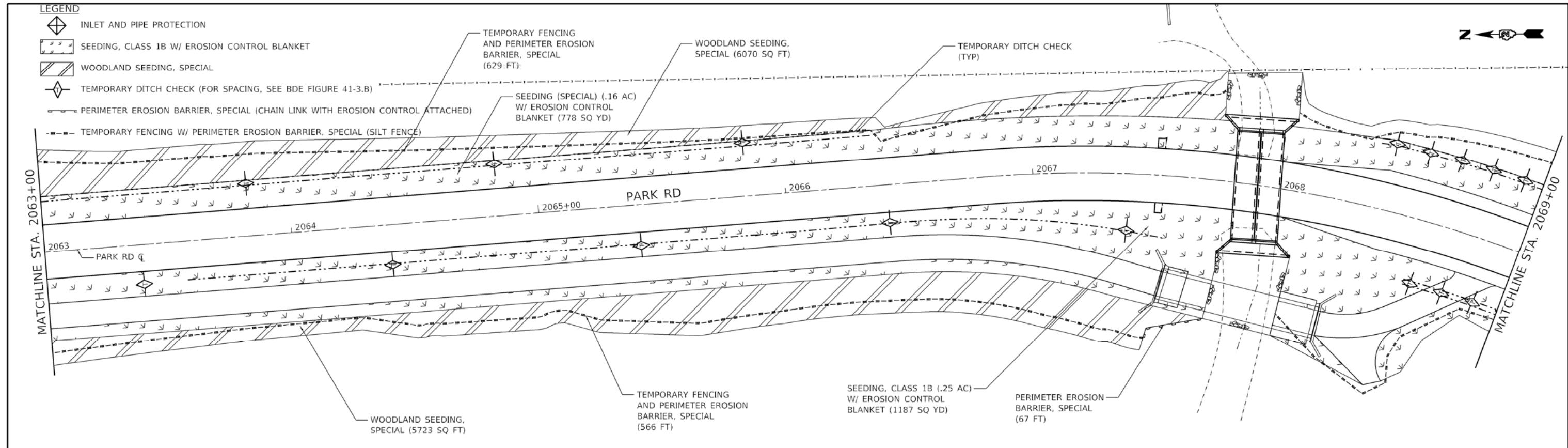
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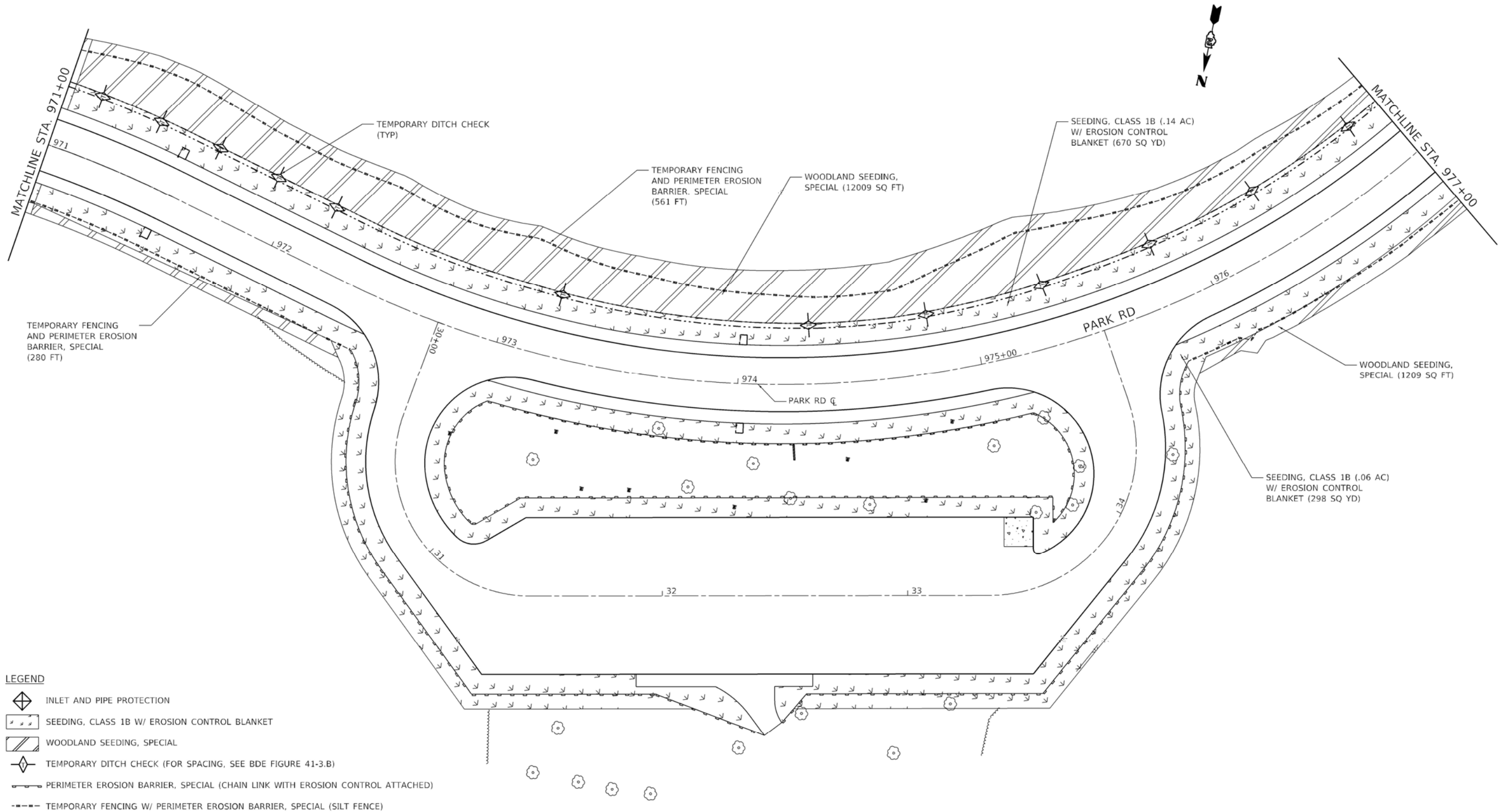
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EROSION CONTROL PLANS - PARK ROAD
ROCK CUT STATE PARK**

SCALE: 1"=20' SHEET 4 OF 11 SHEETS STA. 2051+00 TO STA. 2063+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	ROCK CUT PHASE 3 - 2023	WINNEBAGO	139	56
CONTRACT NO. 46934				
ILLINOIS FED. AID PROJECT				

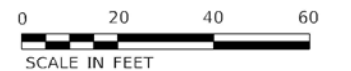




LEGEND

- INLET AND PIPE PROTECTION
- SEEDING, CLASS 1B W/ EROSION CONTROL BLANKET
- WOODLAND SEEDING, SPECIAL
- TEMPORARY DITCH CHECK (FOR SPACING, SEE BDE FIGURE 41-3.B)
- PERIMETER EROSION BARRIER, SPECIAL (CHAIN LINK WITH EROSION CONTROL ATTACHED)
- TEMPORARY FENCING W/ PERIMETER EROSION BARRIER, SPECIAL (SILT FENCE)

NOTE:
WOODLAND SEEDING, SPECIAL SHALL BE PLACED ON THE BACK SIDE
OF THE PROPOSED OR EXISTING DITCH LINE AND TO THE LIMITS OF
CONSTRUCTION, AND ON PROPOSED 1:3 SLOPES.



MODEL: Default
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164-06715
20-388536

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DATE -	9/12/22	REVISED -	
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PLOT DATE	= 9/13/2022		







STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

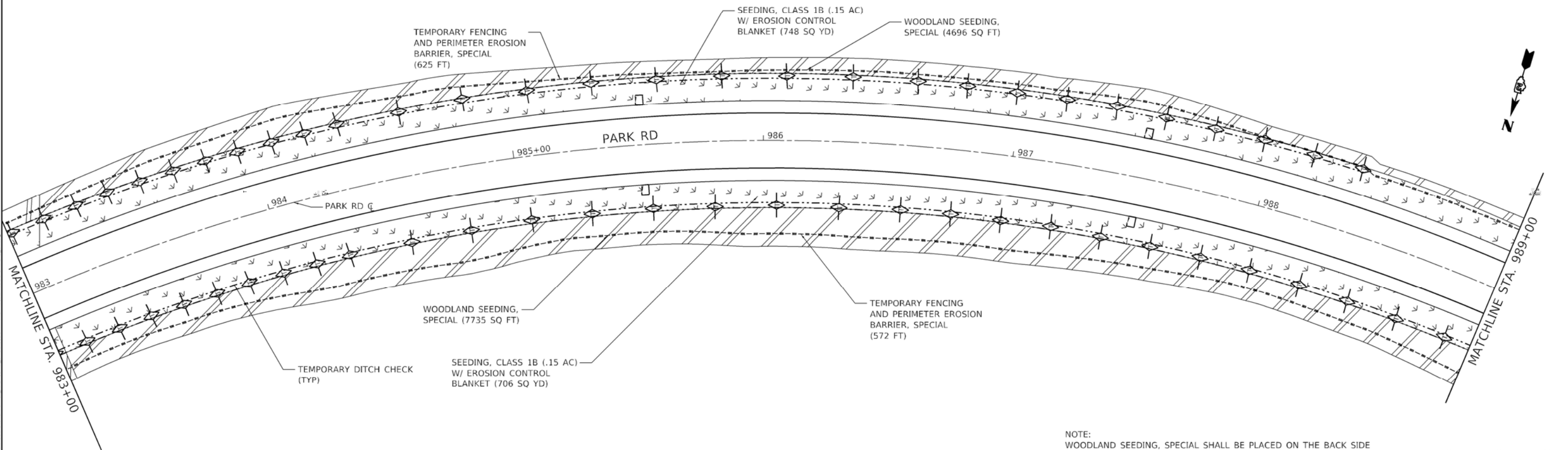
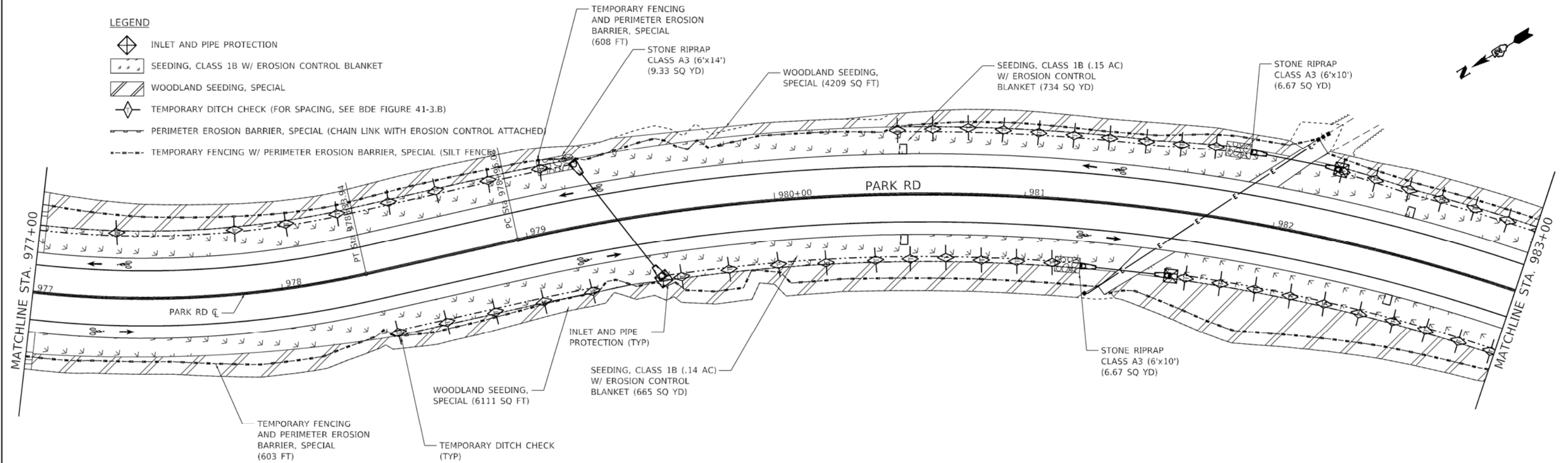
EROSION CONTROL PLANS - PARK ROAD
ROCK CUT STATE PARK

SCALE: 1"=20' SHEET 6 OF 11 SHEETS STA. 971+00 TO STA. 977+00

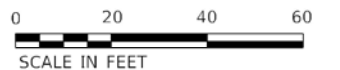
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	ROCK CUT PHASE 3 - 2023	WINNEBAGO	139	68
CONTRACT NO. 46934				
ILLINOIS FED. AID PROJECT				

LEGEND

-  INLET AND PIPE PROTECTION
-  SEEDING, CLASS 1B W/ EROSION CONTROL BLANKET
-  WOODLAND SEEDING, SPECIAL
-  TEMPORARY DITCH CHECK (FOR SPACING, SEE BDE FIGURE 41-3.B)
-  PERIMETER EROSION BARRIER, SPECIAL (CHAIN LINK WITH EROSION CONTROL ATTACHED)
-  TEMPORARY FENCING W/ PERIMETER EROSION BARRIER, SPECIAL (SILT FENCE)

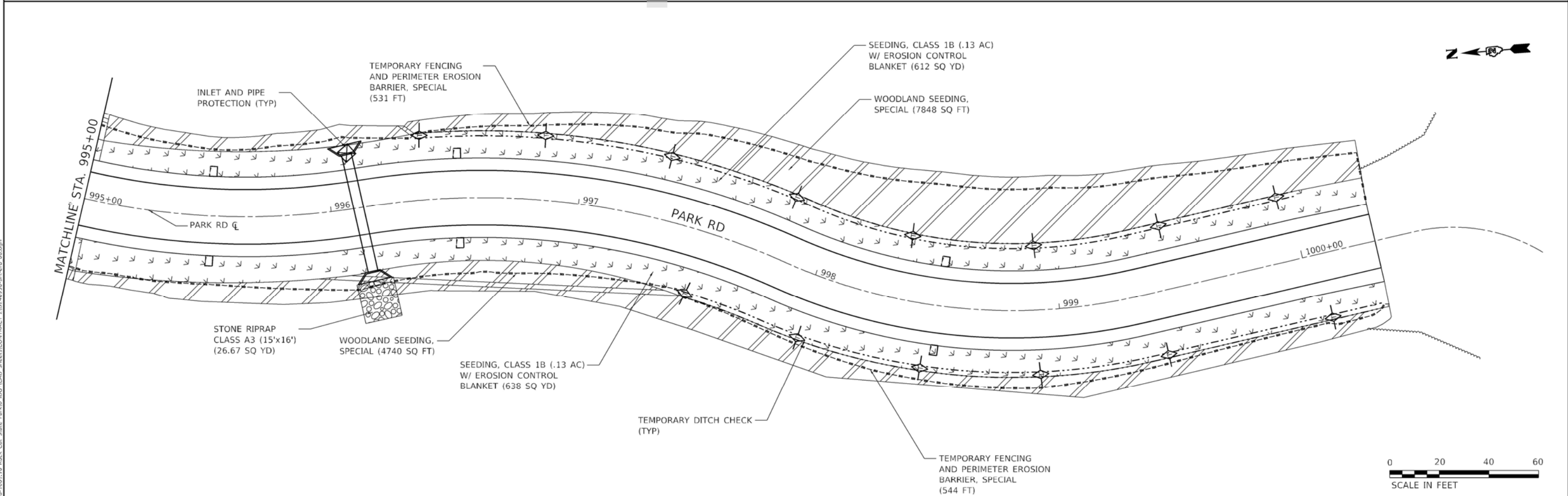
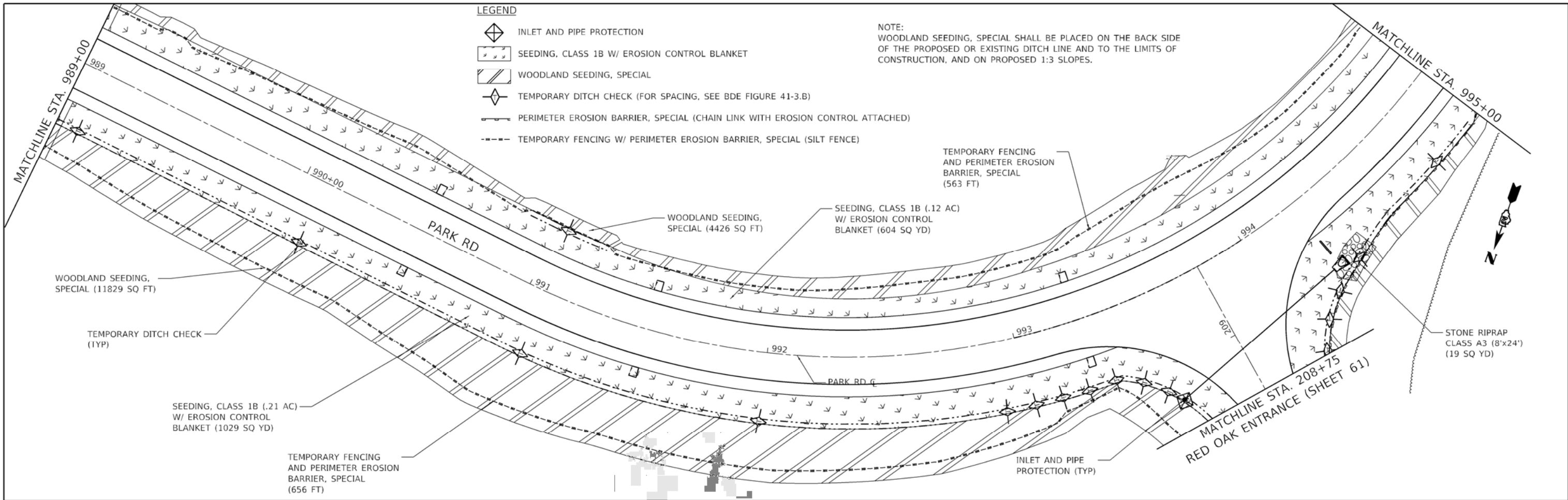


NOTE:
WOODLAND SEEDING, SPECIAL SHALL BE PLACED ON THE BACK SIDE OF THE PROPOSED OR EXISTING DITCH LINE AND TO THE LIMITS OF CONSTRUCTION, AND ON PROPOSED 1:3 SLOPES.

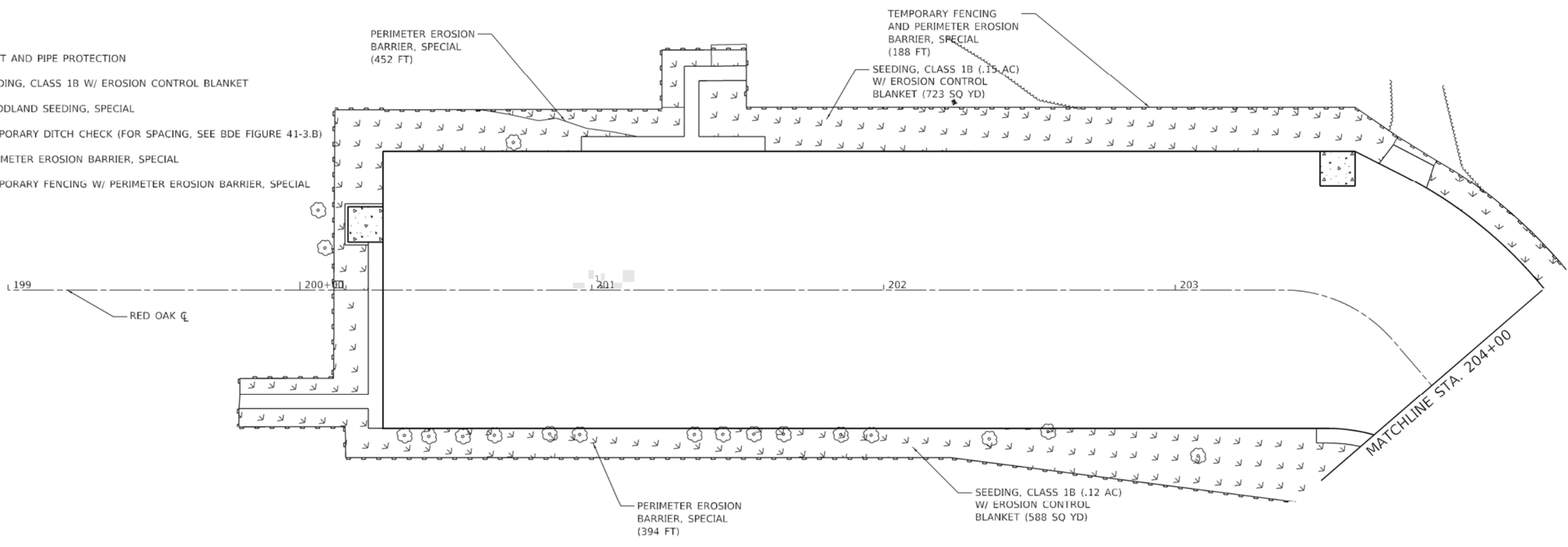


DESIGNED - BCD	REVISED -
DRAWN - KKH	REVISED -
CHECKED - LDC	REVISED -
DATE - 9/12/22	REVISED -

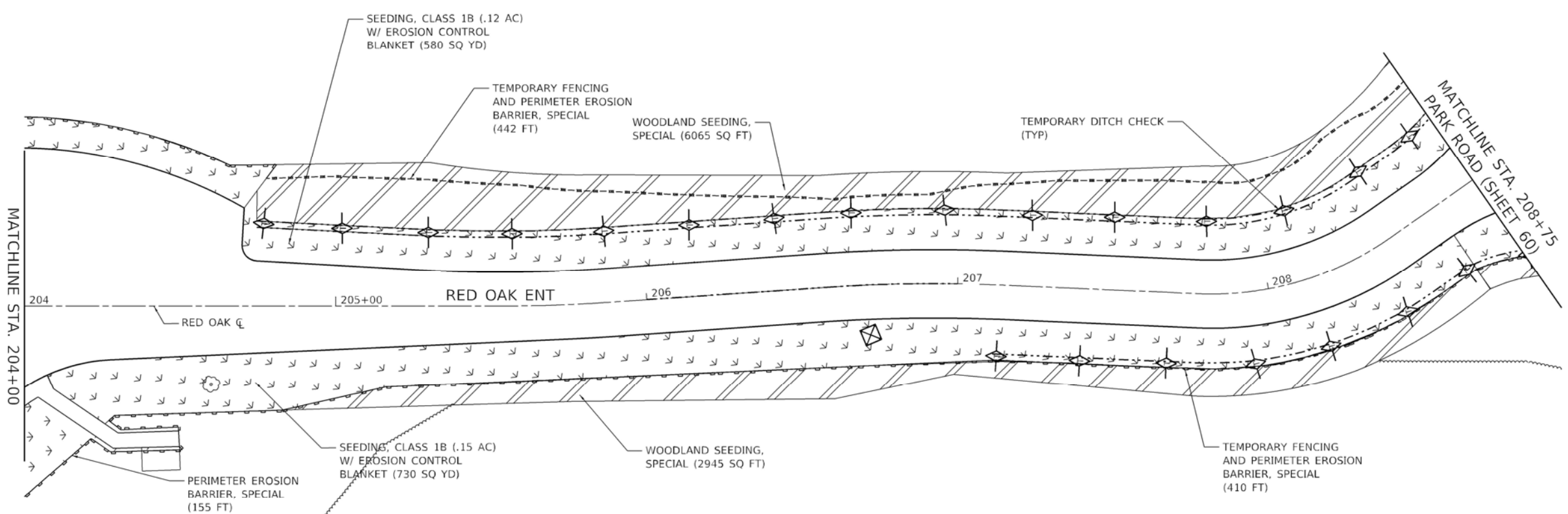
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	ROCK CUT PHASE 3 - 2023	WINNEBAGO	139	59
CONTRACT NO. 46934				
ILLINOIS FED. AID PROJECT				



- LEGEND**
- INLET AND PIPE PROTECTION
 - SEEDING, CLASS 1B W/ EROSION CONTROL BLANKET
 - WOODLAND SEEDING, SPECIAL
 - TEMPORARY DITCH CHECK (FOR SPACING, SEE BDE FIGURE 41-3.B)
 - PERIMETER EROSION BARRIER, SPECIAL
 - TEMPORARY FENCING W/ PERIMETER EROSION BARRIER, SPECIAL



NOTE:
WOODLAND SEEDING, SPECIAL SHALL BE PLACED ON THE BACK SIDE
OF THE PROPOSED OR EXISTING DITCH LINE AND TO THE LIMITS OF
CONSTRUCTION, AND ON PROPOSED 1:3 SLOPES.



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DATE -	9/12/22	REVISED -	
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PLOT DATE = 9/13/2022			

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

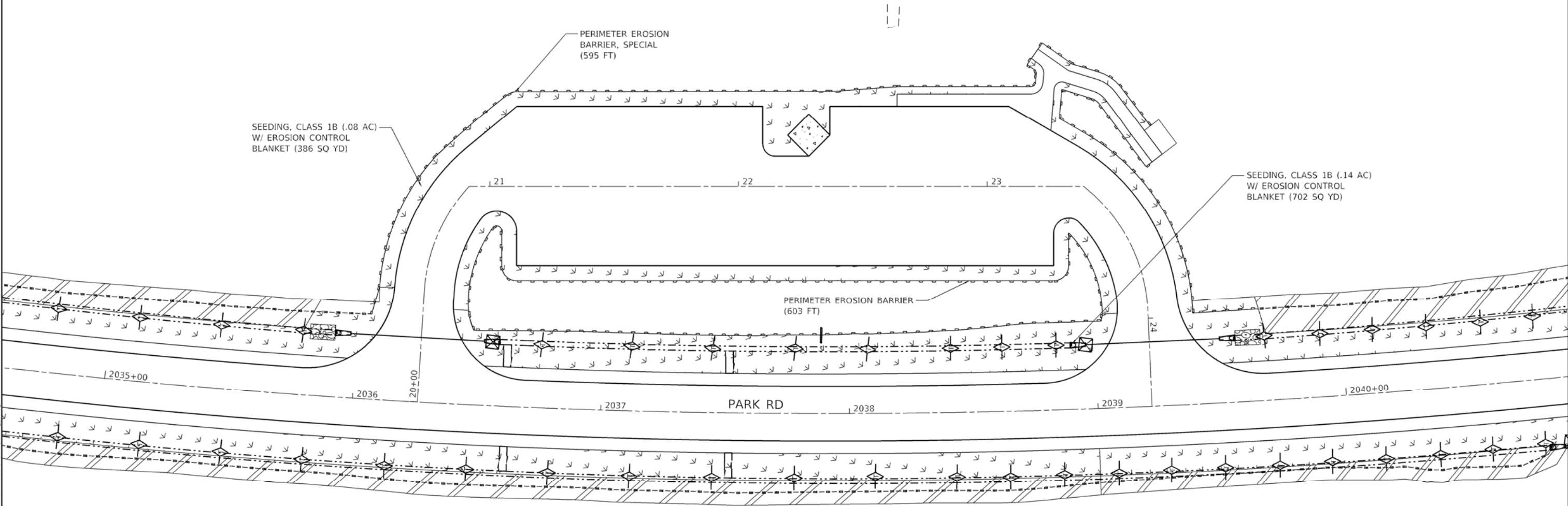
**EROSION CONTROL PLANS - RED OAK ENTRANCE
& PARKING LOT - ROCK CUT STATE PARK**

SCALE: 1"=20' SHEET 9 OF 11 SHEETS STA. 200+00 TO STA. 208+75

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	ROCK CUT PHASE 3 - 2023	WINNEBAGO	139	61
CONTRACT NO. 46934				
ILLINOIS FED. AID PROJECT				

LEGEND

- INLET AND PIPE PROTECTION
- SEEDING, CLASS 1B W/ EROSION CONTROL BLANKET
- WOODLAND SEEDING, SPECIAL
- TEMPORARY DITCH CHECK (FOR SPACING, SEE BDE FIGURE 41-3.B)
- PERIMETER EROSION BARRIER, SPECIAL
- PERIMETER EROSION BARRIER, SPECIAL W/ TEMPORARY FENCE



MODEL: Default
FILE NAME: P:\B-1005-10 Rock Cut State Park\10 EROSION CONTROL\CONTRACT 20246934\B-1005-10.dgn



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Illinois Professional Design Firm
184 West 1st St
20-3085166

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PLOT DATE = 9/13/2022			

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL PLAN – PURI CREST PICNIC AREA
ROCK CUT STATE PARK

SCALE: 1"=20'

SHEET 10 OF 11 SHEETS

STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	ROCK CUT PHASE 3 - 2023	WINNEBAGO	139	62
CONTRACT NO. 46934				
ILLINOIS FED. AID PROJECT				



- STONE RIPRAP,
CLASS A3 (18.5'x10.5')(TYP)
(15.33 SQ YD EA.)
PLACE RIPRAP MINIMUM 3' DEEP
FROM WATER SURFACE

PERIMETER EROSION
BARRIER, SPECIAL
(129 FT)

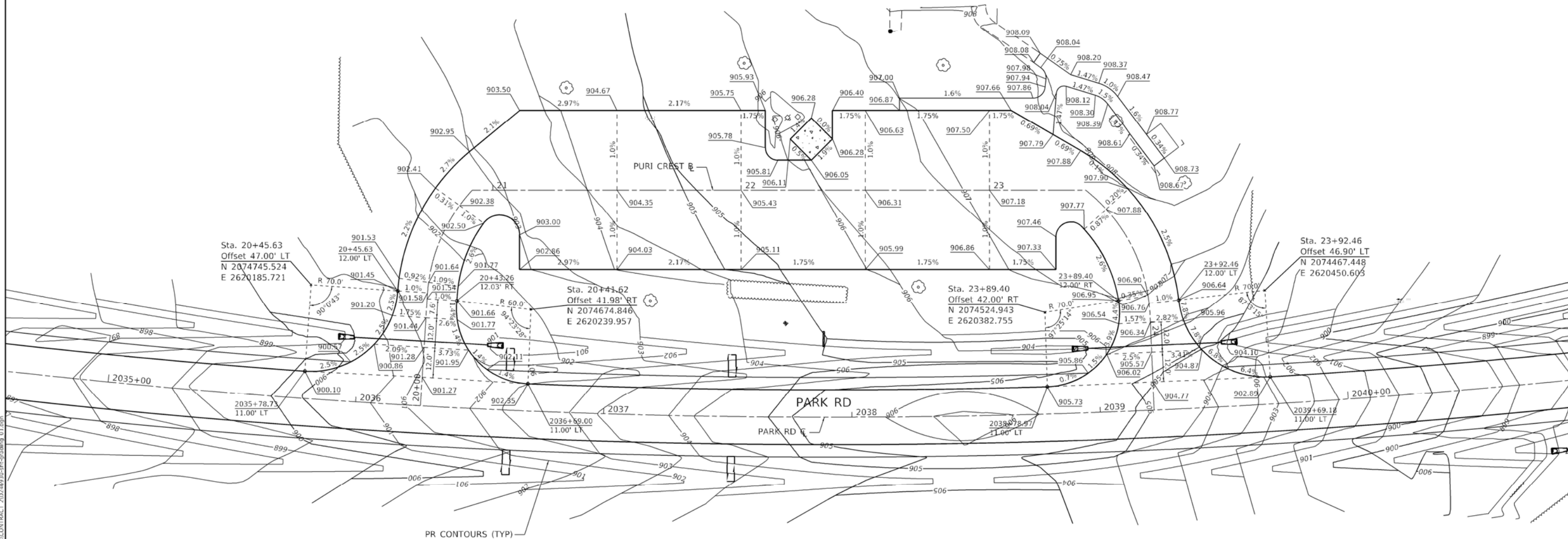
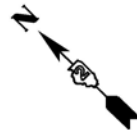
STONE RIPRAP,
CLASS A3
(4 SQ YD)

TEMPORARY FENCING
AND PERIMETER EROSION
BARRIER, SPECIAL
(402 FT)

SEEDING, CLASS 1B (.22 AC)
W/ EROSION CONTROL
BLANKET (1045 SQ YD)

PARK RD





MODEL: Default
FILE NAME: P:\13-1005-10 Rock Cut State Park\10 IDOT\CAD Sheets\CONTRACT 210246934\p3-rd-grd.dwg 01.15.09



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1318 N. Main St.
Galesburg, IL 61534
Professional Engineering Firm
20-0005346

DESIGNED - BCD	REVISED -
DRAWN - KKH	REVISED -
CHECKED - LDC	REVISED -
DATE - 9/12/22	REVISED -

PLOT SCALE = 40,0000' / in.

PLOT DATE = 9/13/2022

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

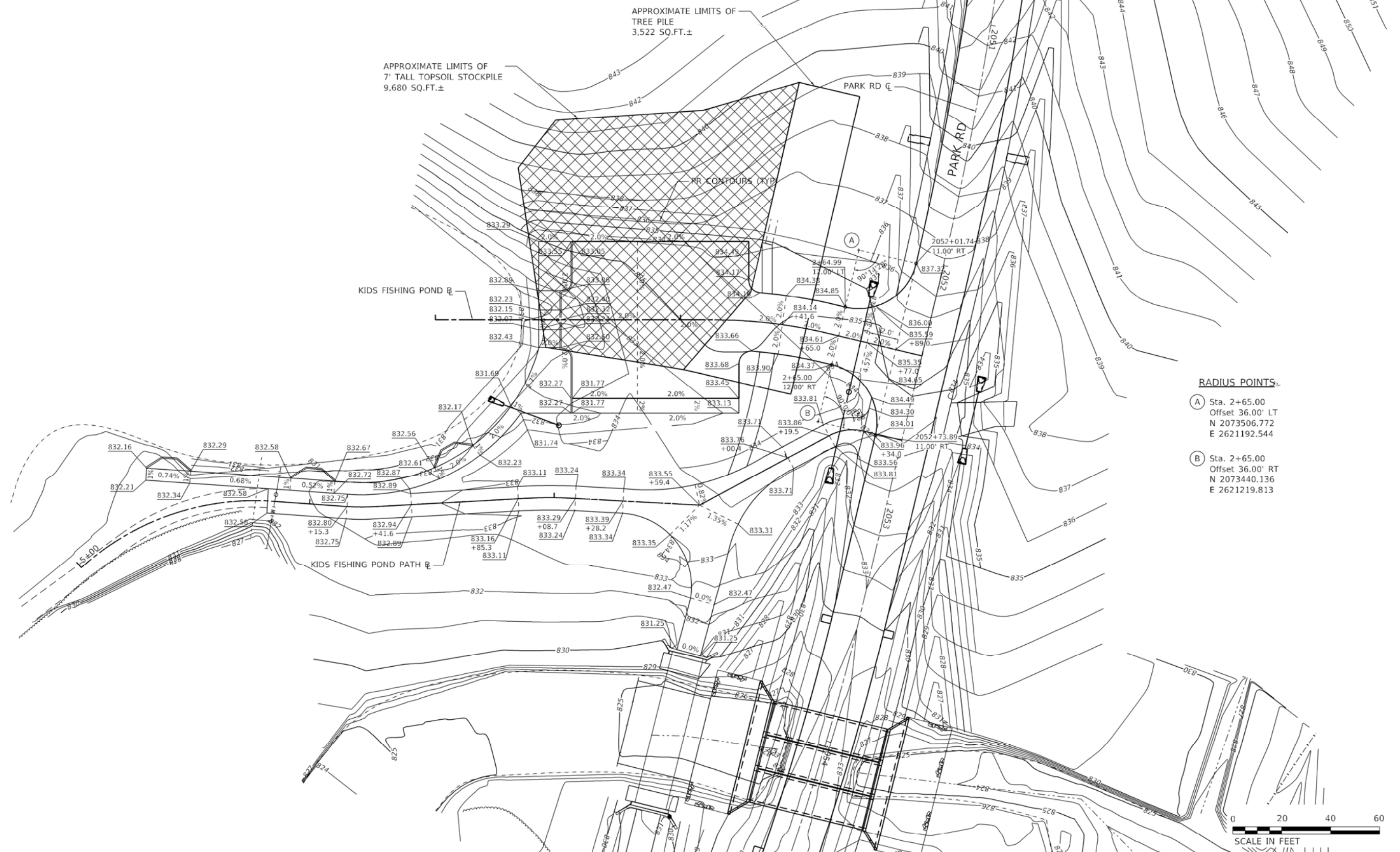
GRADING PLAN - PURI CREST PICNIC AREA
ROCK CUT STATE PARK

SCALE: 1"=20'

SHEET 1 OF 4 SHEETS

STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	ROCK CUT PHASE 3 - 2023	WINNEBAGO	139	64
CONTRACT NO. 46934				
ILLINOIS FED. AID PROJECT				



APPROXIMATE LIMITS OF
7' TALL TOPSOIL STOCKPILE
9,680 SQ.FT.±

APPROXIMATE LIMITS OF
TREE PILE
3,522 SQ.FT.±

- RADIUS POINTS**
- A Sta. 2+65.00
Offset 36.00' LT
N 2073506.772
E 2621192.544
 - B Sta. 2+65.00
Offset 36.00' RT
N 2073440.136
E 2621219.813

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ILLINOIS REG. NO. 021-027876-0001
Illinois Professional Design Firm
Professional Engineering Group

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DRAWN - KKH	REVISED -
CHECKED - LDC	REVISED -
DATE - 9/12/22	REVISED -

PLOT SCALE = 40,0000 " / in.

PLOT DATE = 9/13/2022

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

GRADING PLAN - FISHING POND PARKING LOT

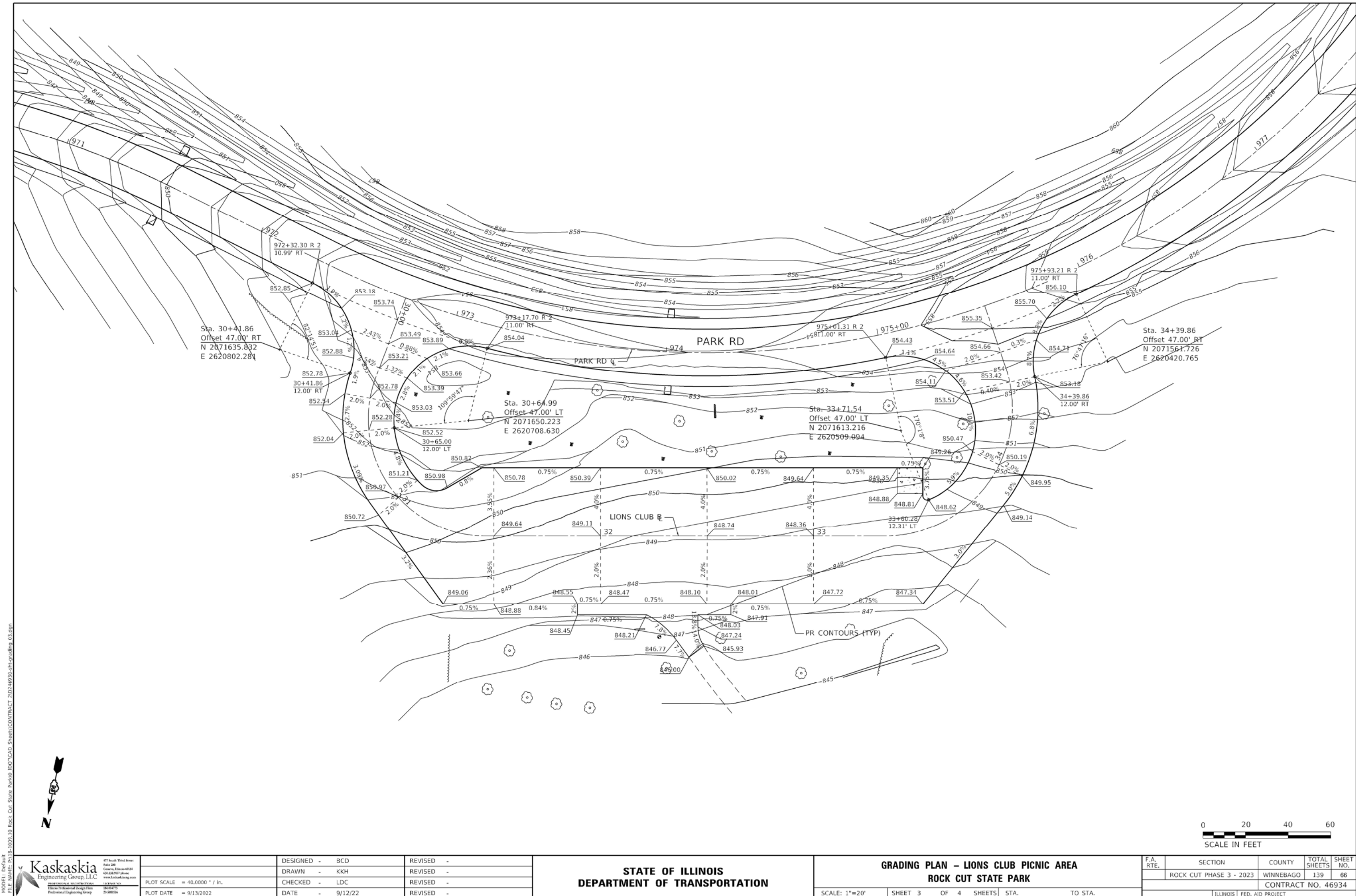
ROCK CUT STATE PARK

SCALE: 1"=20'

SHEET 2 OF 4 SHEETS

STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	ROCK CUT PHASE 3 - 2023	WINNEBAGO	139	65
CONTRACT NO. 46934				
ILLINOIS FED. AID PROJECT				



MODEL: Default
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1825 N. 1st St.
Winnebago, IL 60093
Phone: 815.291.1000
Fax: 815.291.1001
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DESIGNED - BCD	REVISED -
DRAWN - KKH	REVISED -
CHECKED - LDC	REVISED -
DATE - 9/12/22	REVISED -

PLOT SCALE = 40.0000' / in.

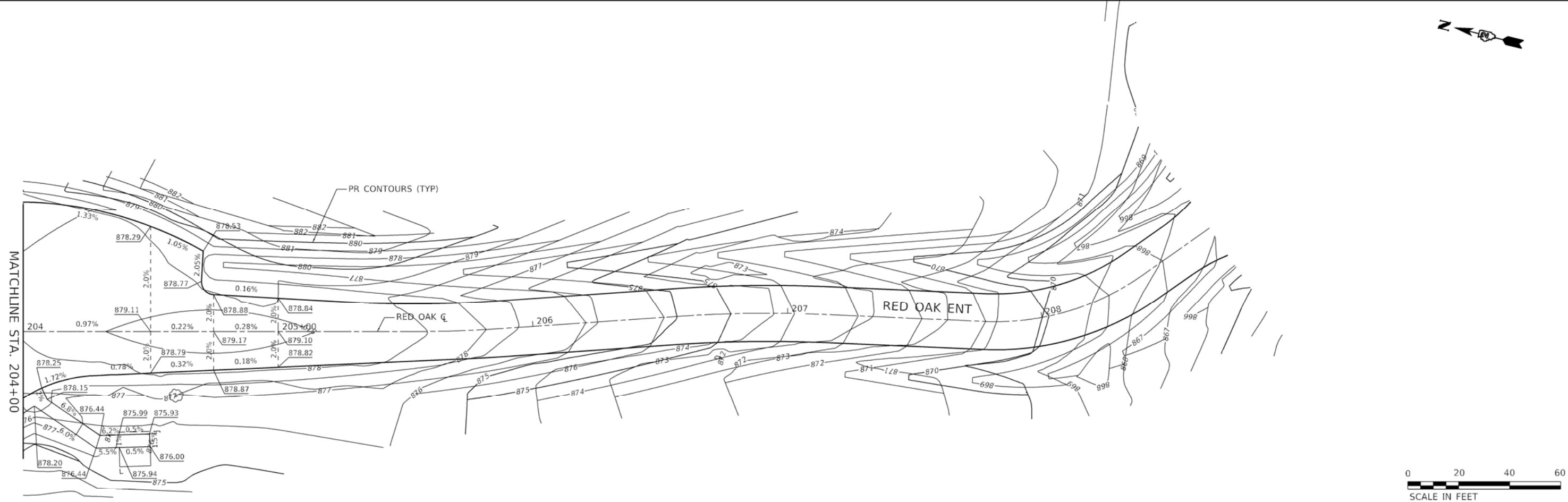
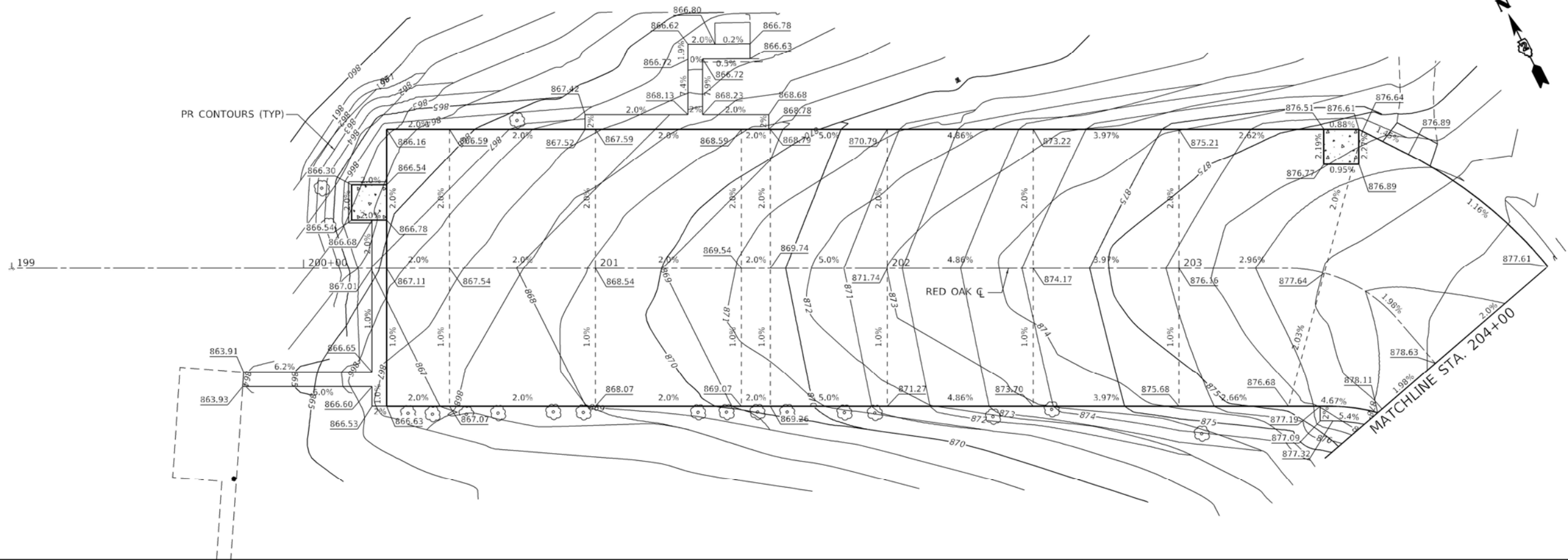
PLOT DATE = 9/13/2022

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GRADING PLAN - LIONS CLUB PICNIC AREA
ROCK CUT STATE PARK

SCALE: 1"=20' SHEET 3 OF 4 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	ROCK CUT PHASE 3 - 2023	WINNEBAGO	139	66
CONTRACT NO. 46934				
ILLINOIS FED. AID PROJECT				



MODEL: Default
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ILLINOIS PROFESSIONAL ENGINEERING FIRM
144-067515
20-3685536

PLOT SCALE = 40,0000' / in.
PLOT DATE = 9/13/2022

DESIGNED - BCD
DRAWN - KKH
CHECKED - LDC
DATE - 9/12/22

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**GRADING PLAN - RED OAK PARKING LOT
& PARKING LOT - ROCK CUT STATE PARK**
SCALE: 1"=20'
SHEET 4 OF 4 SHEETS
STA. 200+00 TO STA. 208+75

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	ROCK CUT PHASE 3 - 2023	WINNEBAGO	139	67
CONTRACT NO. 46934				
ILLINOIS FED. AID PROJECT				

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FILE NAME: P:\13-1005-10 Rock Cut State Park\10 DOT\CAD Sheets\CONTRACT 20246934\10-Intersection 01.dgn



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Suite 200
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ILLINOIS REG. NO. 042-072784-0001
Illinois Professional Design Firm
10/18/2015
20-308516

DESIGNED - BCD	REVISED -
DRAWN - KKH	REVISED -
CHECKED - LDC	REVISED -
DATE - 9/12/22	REVISED -

PLOT SCALE = 20.0000' / in.

PLOT DATE = 9/13/2022

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

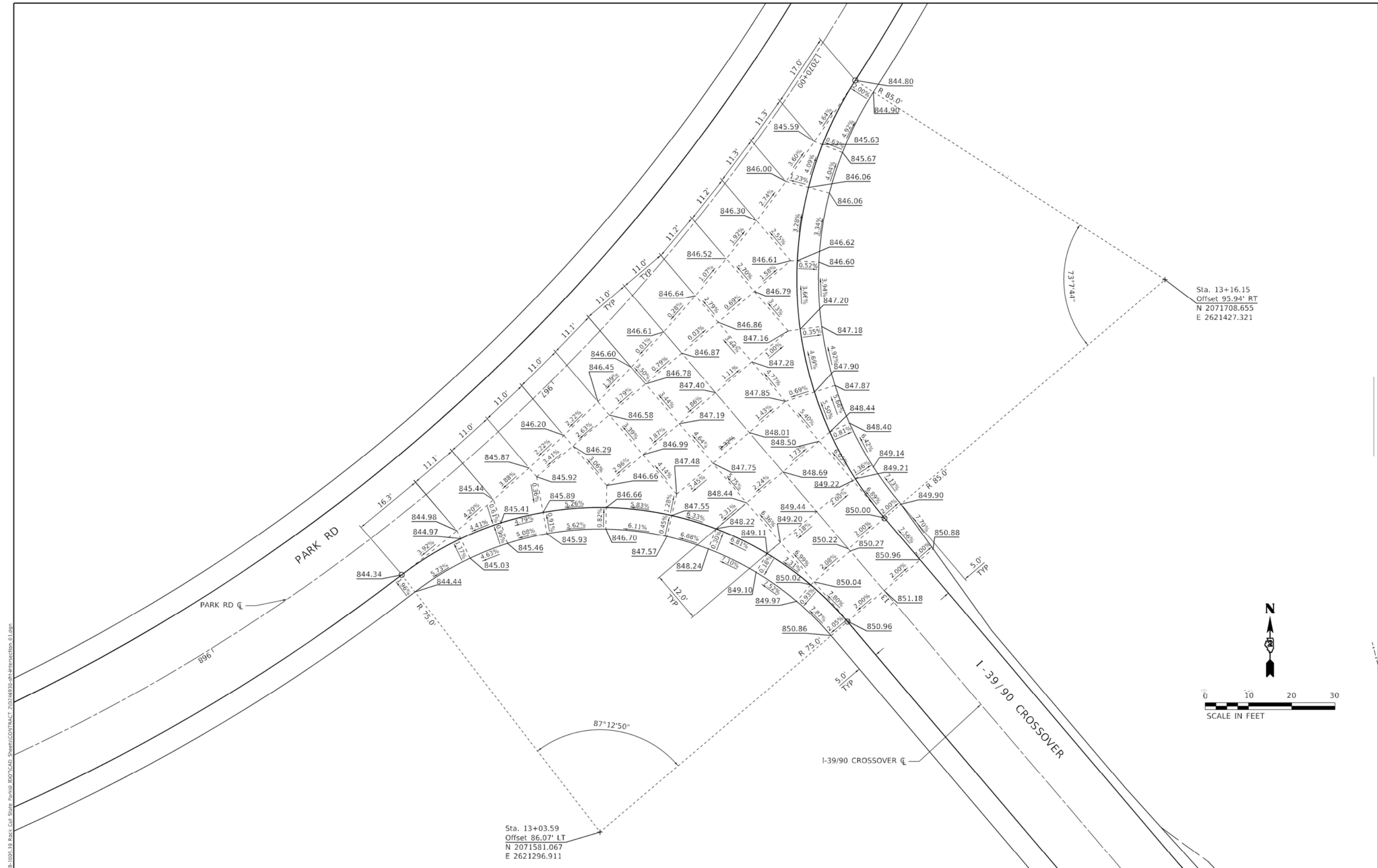
INTERSECTION GRADING PLAN - PARK ROAD & I-39/90 CROSSOVER
ROCK CUT STATE PARK

SCALE: 1"=10'

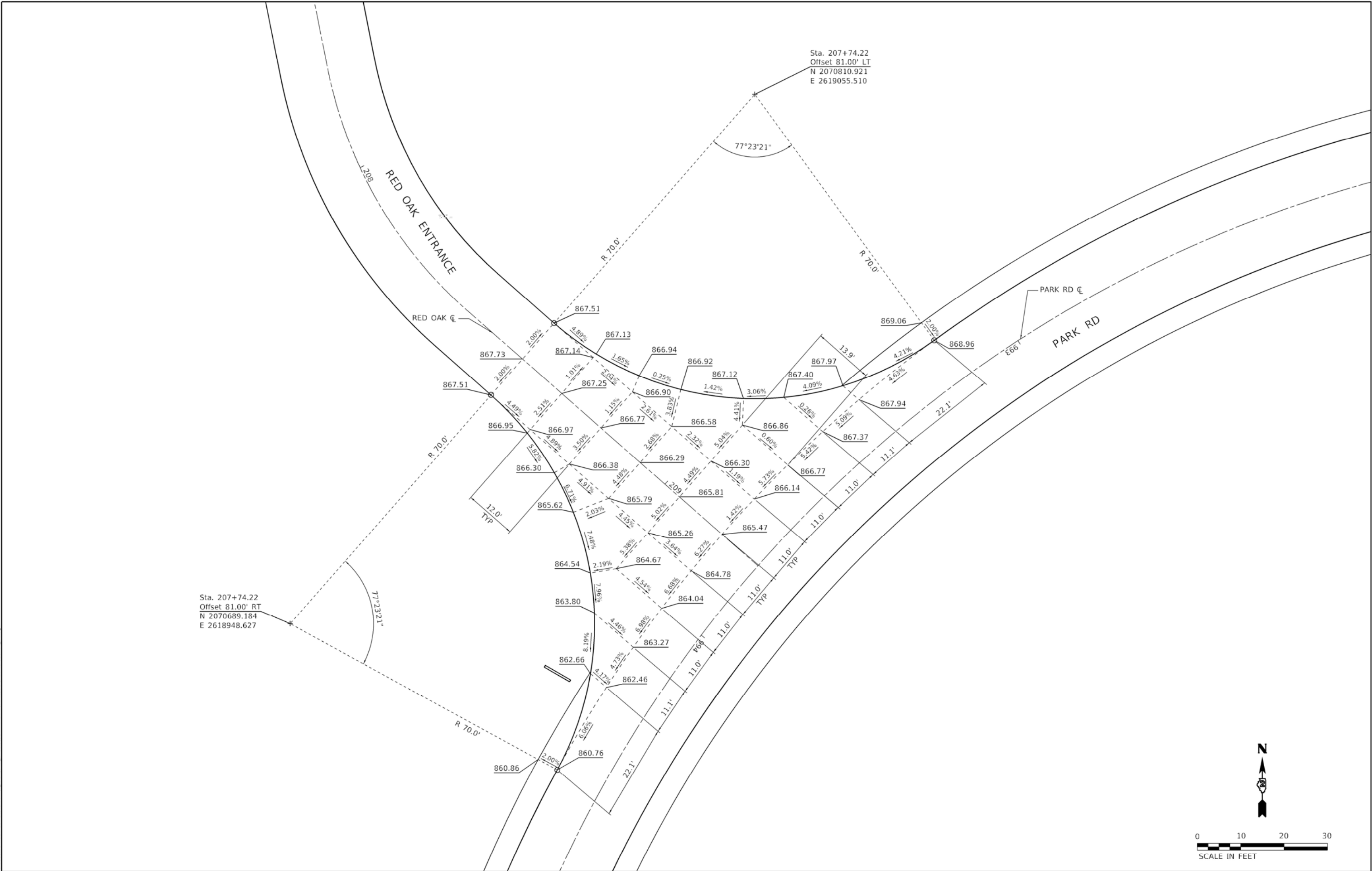
SHEET 1 OF 2 SHEETS


STA. TO STA.

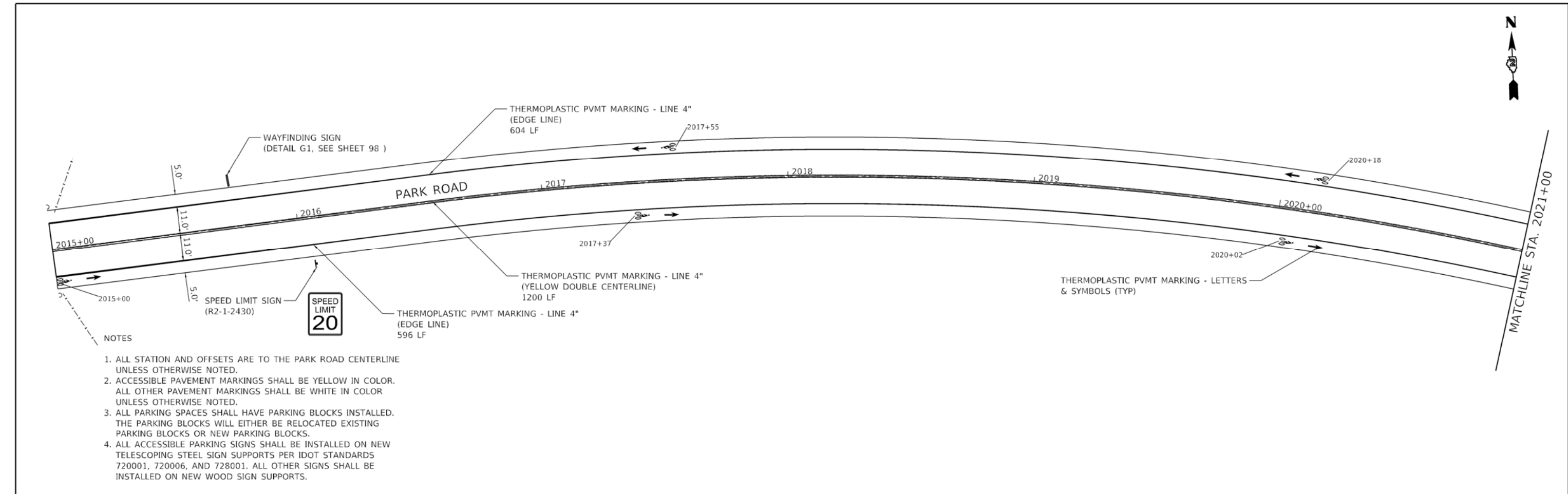
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	ROCK CUT PHASE 3 - 2023	WINNEBAGO	139	68
CONTRACT NO. 46934				
ILLINOIS FED. AID PROJECT				



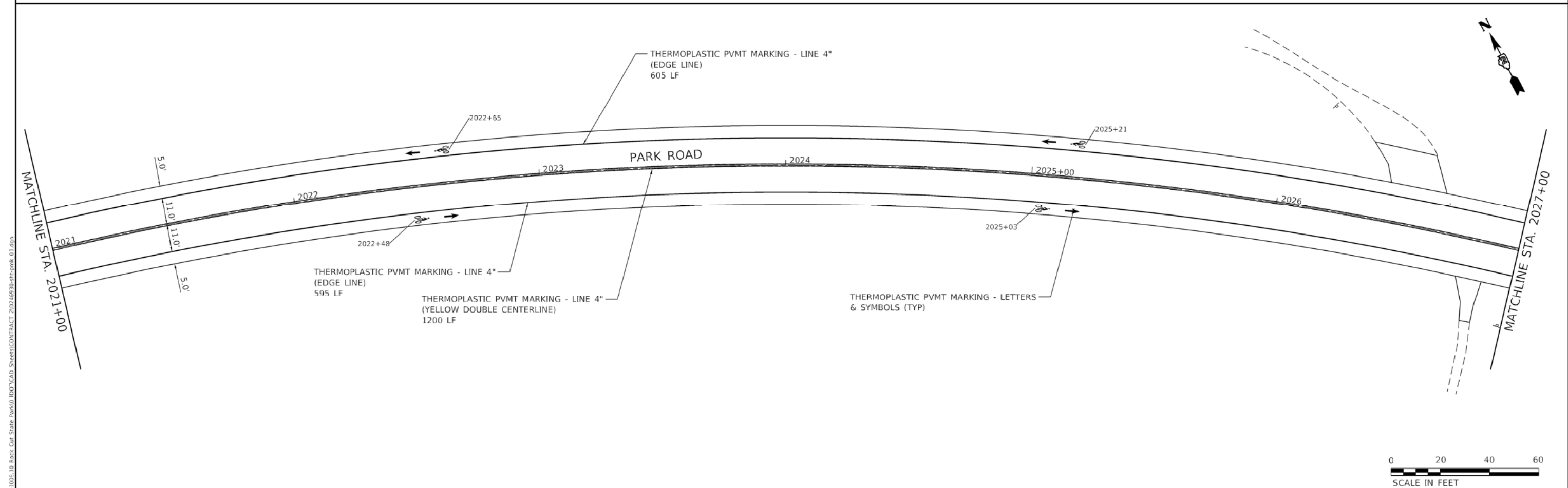
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<div><div><div><div>Kaskaskia</div><div>Engineering Group, LLC</div><div><small>477 South Third Street Suite 200 Galesburg, Illinois 61234 630.233.5007 phone www.kaskaskiaeng.com</small></div></div></div><div><div><small>PROFESSIONAL ENGINEER ILLINOIS LICENSE NO. 042-00278-07/2025</small></div><div><small>1842 N. N. Hwy Winnebago, IL 60093 201-3085536</small></div></div></div>	DESIGNED - BCD		REVISED -		STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION			INTERSECTION GRADING PLAN – PARK RD & RED OAK ENTRANCE ROCK CUT STATE PARK				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN - KKH		REVISED -										ROCK CUT PHASE 3 - 2023	WINNEBAGO	139	69
	CHECKED - LDC		REVISED -					CONTRACT NO. 46934								
	PLOT DATE = 9/13/2022		REVISED -					ILLINOIS FED. AID PROJECT								
PLOT SCALE = 20.0000' / in.		DATE = 9/12/22		SCALE: 1"=10'			SHEET 2	OF 2	SHEETS	STA.	TO STA.					



- NOTES
1. ALL STATION AND OFFSETS ARE TO THE PARK ROAD CENTERLINE UNLESS OTHERWISE NOTED.
 2. ACCESSIBLE PAVEMENT MARKINGS SHALL BE YELLOW IN COLOR. ALL OTHER PAVEMENT MARKINGS SHALL BE WHITE IN COLOR UNLESS OTHERWISE NOTED.
 3. ALL PARKING SPACES SHALL HAVE PARKING BLOCKS INSTALLED. THE PARKING BLOCKS WILL EITHER BE RELOCATED EXISTING PARKING BLOCKS OR NEW PARKING BLOCKS.
 4. ALL ACCESSIBLE PARKING SIGNS SHALL BE INSTALLED ON NEW TELESCOPING STEEL SIGN SUPPORTS PER IDOT STANDARDS 720001, 720006, AND 728001. ALL OTHER SIGNS SHALL BE INSTALLED ON NEW WOOD SIGN SUPPORTS.



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1842 North 5th
Moline, IL 61201
314.247.1115
20-3085536

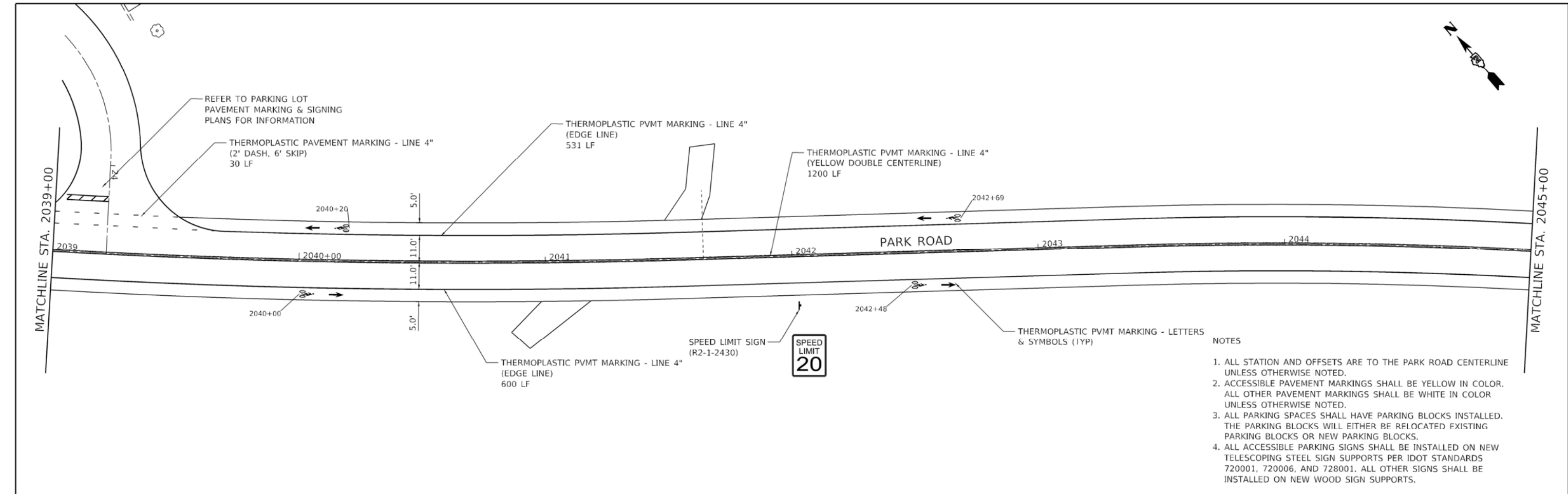
DESIGNED -	BCD	REVISED -	
DRAWN -	KKH	REVISED -	
CHECKED -	LDC	REVISED -	
DATE -	9/12/22	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

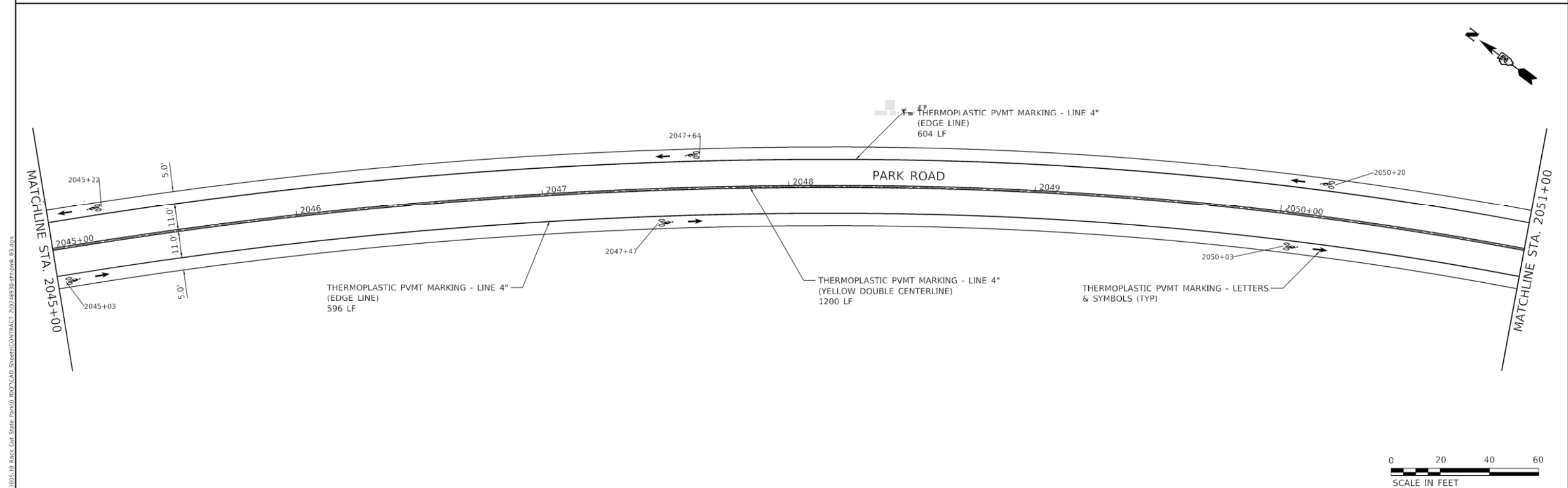
PAVEMENT MARKING & SIGNING PLANS - PARK ROAD
ROCK CUT STATE PARK

SCALE: 1"=20' SHEET 1 OF 12 SHEETS STA. 2015+00 TO STA. 2027+00

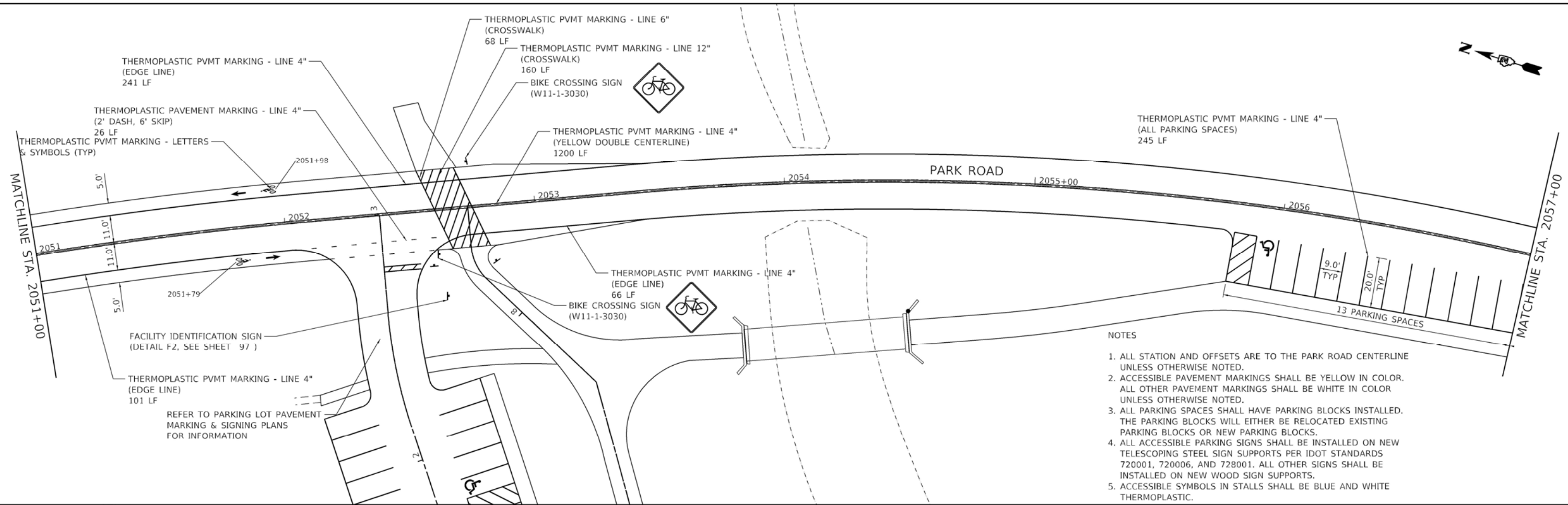
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	ROCK CUT PHASE 3 - 2023	WINNEBAGO	139	70
CONTRACT NO. 46934				
ILLINOIS FED. AID PROJECT				



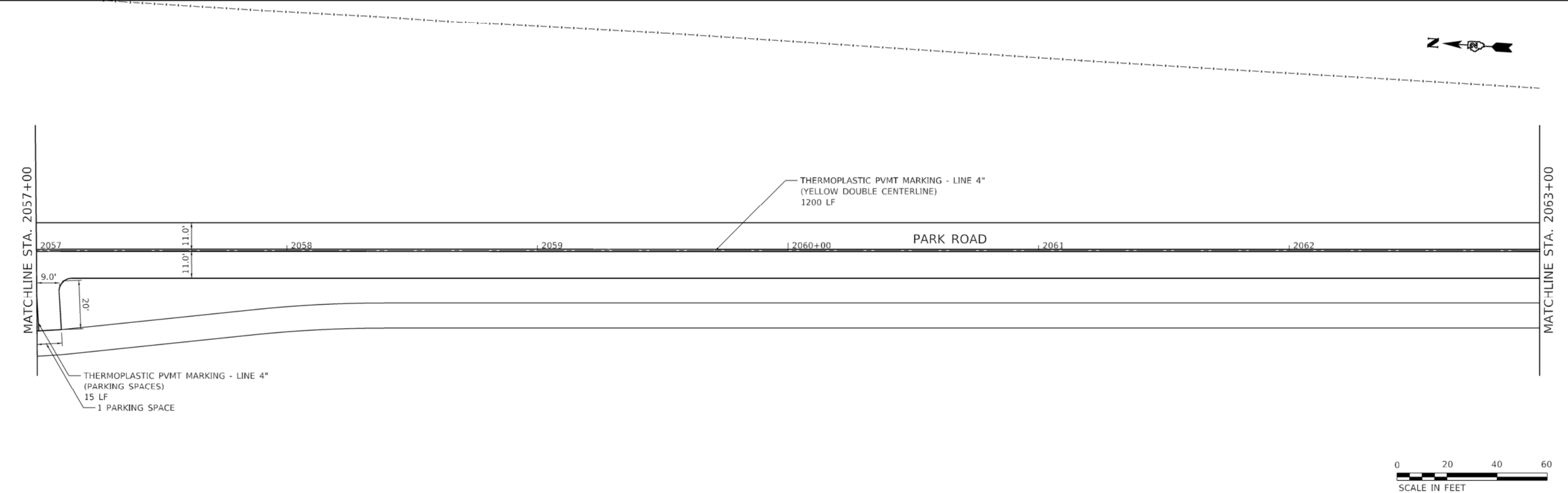
- NOTES
1. ALL STATION AND OFFSETS ARE TO THE PARK ROAD CENTERLINE UNLESS OTHERWISE NOTED.
 2. ACCESSIBLE PAVEMENT MARKINGS SHALL BE YELLOW IN COLOR. ALL OTHER PAVEMENT MARKINGS SHALL BE WHITE IN COLOR UNLESS OTHERWISE NOTED.
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<div><div><div></div><div>Kaskaskia</div><div>Engineering Group, LLC</div></div><div><div>477 South Third Street Suite 200 Galesburg, Illinois 61234 630.232.5507 phone www.kaskaskiaeng.com</div><div>PROFESSIONAL REGISTRATIONS 1 LICENSE NOS Illinois Professional Design Firm Professional Engineering Group 144-064713 20-588916</div></div></div> <div></div> <div>DESIGNED - BCD</div> <div>REVISED -</div> <div rowspan="5">STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</div> <div colspan="4">PAVEMENT MARKING & SIGNING PLANS – PARK ROAD ROCK CUT STATE PARK</div> <div>F.A. RTE.</div> <div>SECTION</div> <div>COUNTY</div> <div>TOTAL SHEETS</div> <div>SHEET NO.</div> <tr><td colspan="4">PLOT SCALE = 40.0000' / in.</td><td>CHECKED - LDC</td><td>REVISED -</td><td colspan="4">ROCK CUT PHASE 3 - 2023</td><td>WINNEBAGO</td><td>139</td><td>72</td></tr> <tr><td colspan="4">PLOT DATE = 9/13/2022</td><td>DATE - 9/12/22</td><td>REVISED -</td><td colspan="4">SCALE: 1"=20'</td><td>SHEET 3</td><td>OF 12 SHEETS</td><td>STA. 2039+00</td><td>TO STA. 2051+00</td><td colspan="2">CONTRACT NO. 46934</td></tr> <tr><td colspan="4"></td><td></td><td></td><td colspan="4"></td><td></td><td></td><td></td><td></td><td colspan="2">ILLINOIS FED. AID PROJECT</td></tr> <tr><td colspan="4"></td><td></td><td></td><td colspan="4"></td><td></td><td></td><td></td><td></td><td colspan="2"></td></tr>	PLOT SCALE = 40.0000' / in.				CHECKED - LDC	REVISED -	ROCK CUT PHASE 3 - 2023				WINNEBAGO	139	72	PLOT DATE = 9/13/2022				DATE - 9/12/22	REVISED -	SCALE: 1"=20'				SHEET 3	OF 12 SHEETS	STA. 2039+00	TO STA. 2051+00	CONTRACT NO. 46934																ILLINOIS FED. AID PROJECT																	
	PLOT SCALE = 40.0000' / in.				CHECKED - LDC	REVISED -	ROCK CUT PHASE 3 - 2023				WINNEBAGO	139	72																																																
	PLOT DATE = 9/13/2022				DATE - 9/12/22	REVISED -	SCALE: 1"=20'				SHEET 3	OF 12 SHEETS	STA. 2039+00	TO STA. 2051+00	CONTRACT NO. 46934																																														
															ILLINOIS FED. AID PROJECT																																														



- NOTES
1. ALL STATION AND OFFSETS ARE TO THE PARK ROAD CENTERLINE UNLESS OTHERWISE NOTED.
 2. ACCESSIBLE PAVEMENT MARKINGS SHALL BE YELLOW IN COLOR. ALL OTHER PAVEMENT MARKINGS SHALL BE WHITE IN COLOR UNLESS OTHERWISE NOTED.
 3. ALL PARKING SPACES SHALL HAVE PARKING BLOCKS INSTALLED. THE PARKING BLOCKS WILL EITHER BE RELOCATED EXISTING PARKING BLOCKS OR NEW PARKING BLOCKS.
 4. ALL ACCESSIBLE PARKING SIGNS SHALL BE INSTALLED ON NEW TELESCOPING STEEL SIGN SUPPORTS PER IDOT STANDARDS 720001, 720006, AND 728001. ALL OTHER SIGNS SHALL BE INSTALLED ON NEW WOOD SIGN SUPPORTS.
 5. ACCESSIBLE SYMBOLS IN STALLS SHALL BE BLUE AND WHITE THERMOPLASTIC.



MODEL: Default
FILE NAME: P:\13-1005-10 Rock Cut State Park\10 DOT\CAD Sheets\CONTRACT 20246930\pht-conv 04.dgn

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PROFESSIONAL ENGINEER
Illinois Professional Design Firm
Professional Engineering Group

12/22/2021
10/10/2021
10/10/2021

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DRAWN -	KKH	REVISED -	
CHECKED -	LDC	REVISED -	
DATE -	9/12/22	REVISED -	

PLOT SCALE = 40,0000 " / in.

PLOT DATE = 9/13/2022

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING & SIGNING PLANS - PARK ROAD
ROCK CUT STATE PARK

SCALE: 1"=20'

SHEET 4 OF 12 SHEETS

STA. 2051+00 TO STA. 2063+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	ROCK CUT PHASE 3 - 2023	WINNEBAGO	139	73
CONTRACT NO. 46934				
ILLINOIS FED. AID PROJECT				

NOTES

1. ALL STATION AND OFFSETS ARE TO THE PARK ROAD CENTERLINE UNLESS OTHERWISE NOTED.
2. ACCESSIBLE PAVEMENT MARKINGS SHALL BE YELLOW IN COLOR. ALL OTHER PAVEMENT MARKINGS SHALL BE WHITE IN COLOR UNLESS OTHERWISE NOTED.
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5. ACCESSIBLE SYMBOLS IN STALLS SHALL BE BLUE AND WHITE THERMOPLASTIC.

MATCHLINE STA. 2063+00

MATCHLINE STA. 2069+00

SPEED
LIMIT
20

SPEED LIMIT SIGN
(R2-1-2430)

CROSSWALK MARKINGS
THERMOPLASTIC PVMT MARKING - LINE 6" (33 LF)
THERMOPLASTIC PVMT MARKING - LINE 12"
(AT 45' 47' LF)

THERMOPLASTIC PVMT MARKING - LINE 4"
(EDGE LINE)
182 LF



NO MOTOR VEHICLES SIGN
(R5-3-2424)



KEEP RIGHT SIGN
(R4-7A-2430)



BIKE LANE SIGN AND PLAQUE
(R3-17-2418 & R3-17aP-2408)

THERMOPLASTIC PVMT MARKING - LINE 24"
(STOP BAR)
21 LF



STOP SIGN
(R1-1-3030)

THERMOPLASTIC PVMT MARKING - LINE 4"
(EDGE LINE)
120 LF



STOP SIGN
(R1-1-1818) &
BIKE CROSSING
SIGN
(W11-1-3030)

MATCHLINE STA. 2069+00

THERMOPLASTIC PVMT MARKING - LINE 6"
(CROSSWALK)
47 LF

THERMOPLASTIC PVMT MARKING - LINE 12"
(CROSSWALK)
74 LF

THERMOPLASTIC PVMT MARKING - LINE 4"
(2' DASH, 6' SKIP)
79 LF

WAYFINDING SIGN
(DETAIL G2, SEE SHEET 98)

THERMOPLASTIC PVMT MARKING - LINE 4"
(EDGE LINE)
585 LF

WAYFINDING SIGN
(DETAIL G3, SEE SHEET 98)

BIKE LANE SIGN AND PLAQUE
(R3-17-2418 & R3-17bP-2408)



THERMOPLASTIC PVMT MARKING - LINE 4"
(YELLOW DOUBLE CENTERLINE)
140 LF

WAYFINDING SIGN
(DETAIL G4, SEE SHEET 98)

SPEED LIMIT SIGN
(R2-1-2430)

SPEED
LIMIT
20

THERMOPLASTIC PVMT MARKING - LINE 4"
(YELLOW DOUBLE CENTERLINE)
1200 LF

THERMOPLASTIC PVMT MARKING - LINE 4"
(EDGE LINE)
402 LF

THERMOPLASTIC PVMT MARKING
LETTERS & SYMBOLS (TYP)



SCALE IN FEET

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FILE NAME: P:\13-1005-10 Rock Cut State Park\10 IDOT\CAD Sheets\CONTRACT 70246934\pmt-05.dgn

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Engineering Group, LLC
477 South Third Street
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630.233.5007 phone
www.kaskaskiaeng.com
Professional Engineering Firm
ILLINOIS
20-308536

USER NAME	= jcofaat
DESIGNED	- BCD
DRAWN	- KKH
PLOT SCALE	= 40.0000' / in.
PLOT DATE	= 9/13/2022

DESIGNED	- BCD
DRAWN	- KKH
CHECKED	- LDC
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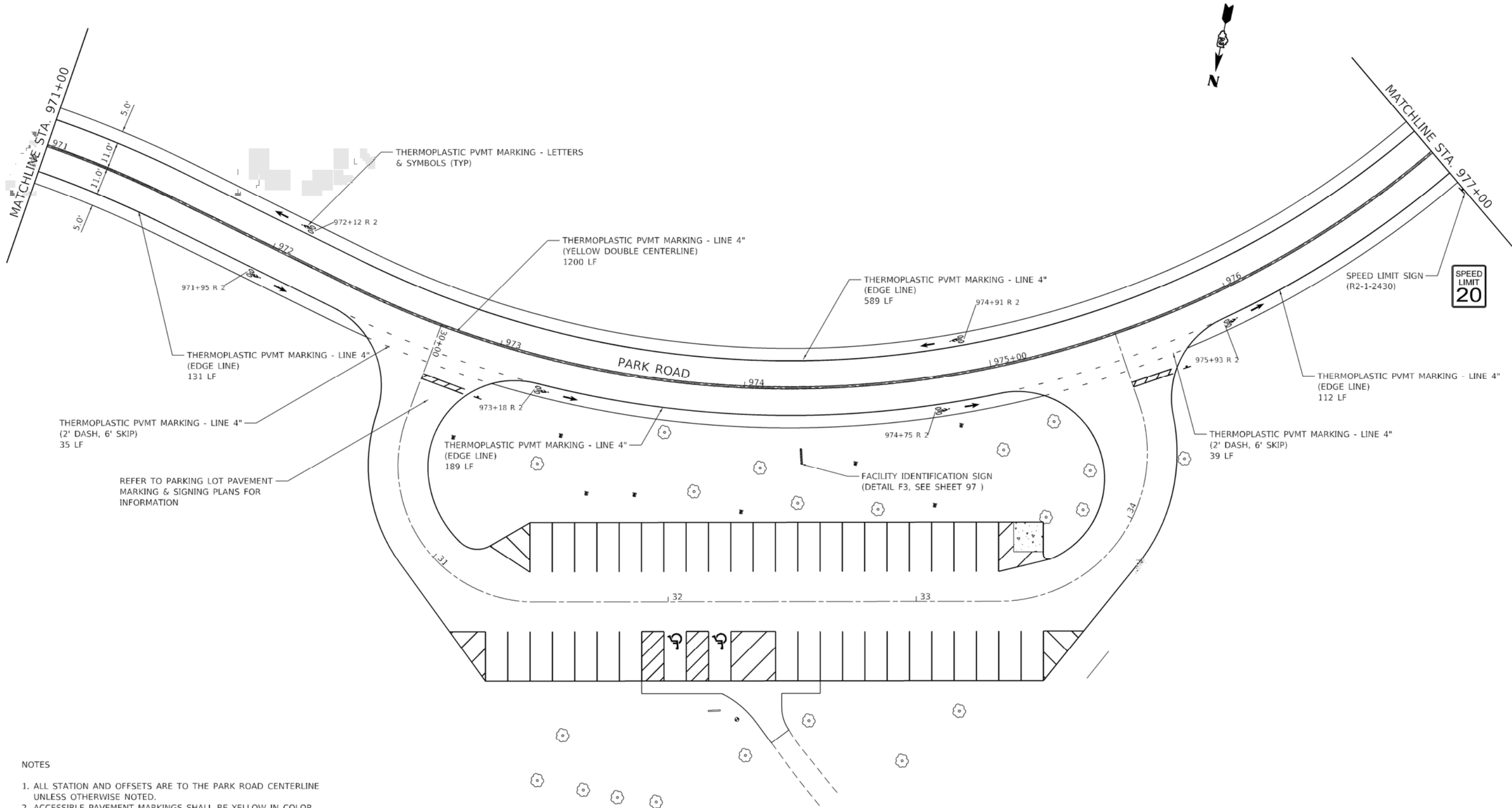
REVISED	-
REVISED	-
REVISED	-
REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING & SIGNING PLANS - PARK ROAD
ROCK CUT STATE PARK

SCALE: 1"=20' SHEET 5 OF 12 SHEETS STA. 2063+00 TO STA. 971+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	ROCK CUT PHASE 2 - 2022	WINNEBAGO	139	74
CONTRACT NO. 46934				
ILLINOIS FED. AID PROJECT				



NOTES

1. ALL STATION AND OFFSETS ARE TO THE PARK ROAD CENTERLINE UNLESS OTHERWISE NOTED.
2. ACCESSIBLE PAVEMENT MARKINGS SHALL BE YELLOW IN COLOR. ALL OTHER PAVEMENT MARKINGS SHALL BE WHITE IN COLOR UNLESS OTHERWISE NOTED.
3. ALL PARKING SPACES SHALL HAVE PARKING BLOCKS INSTALLED. THE PARKING BLOCKS WILL EITHER BE RELOCATED EXISTING PARKING BLOCKS OR NEW PARKING BLOCKS.
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5. ACCESSIBLE SYMBOLS IN STALLS SHALL BE BLUE AND WHITE THERMOPLASTIC.



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www.kaskaskiaeng.com
Professional Engineering Firm
14726425
20-308536

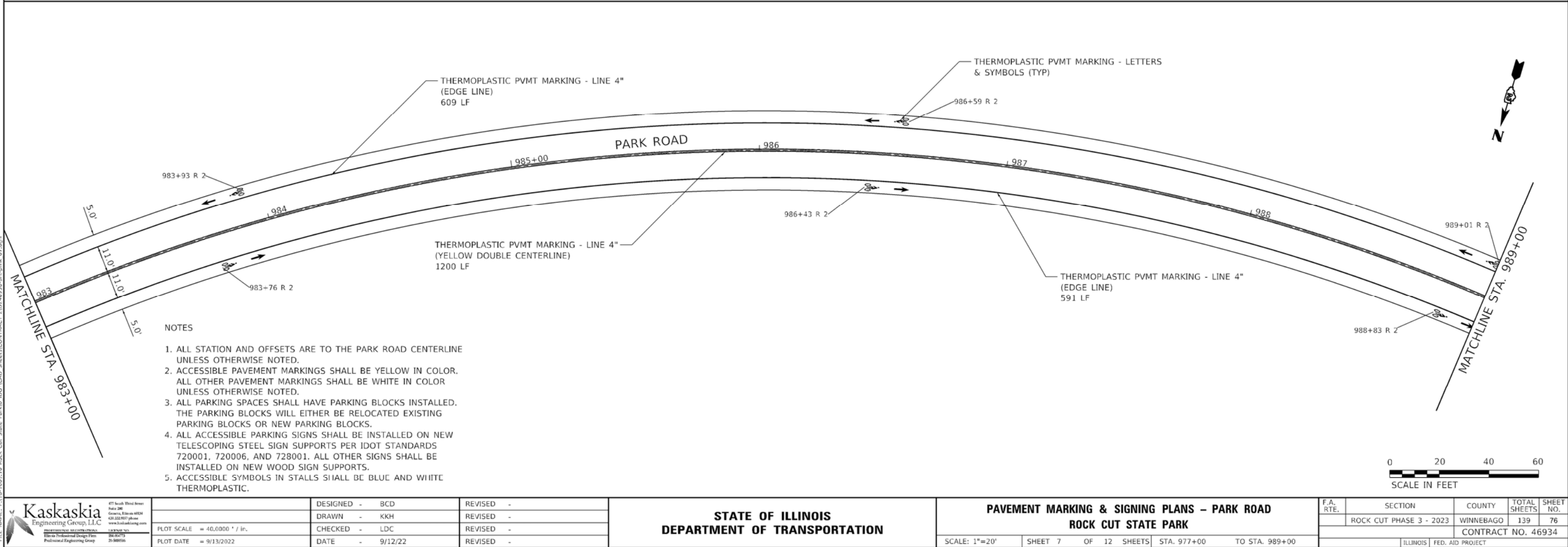
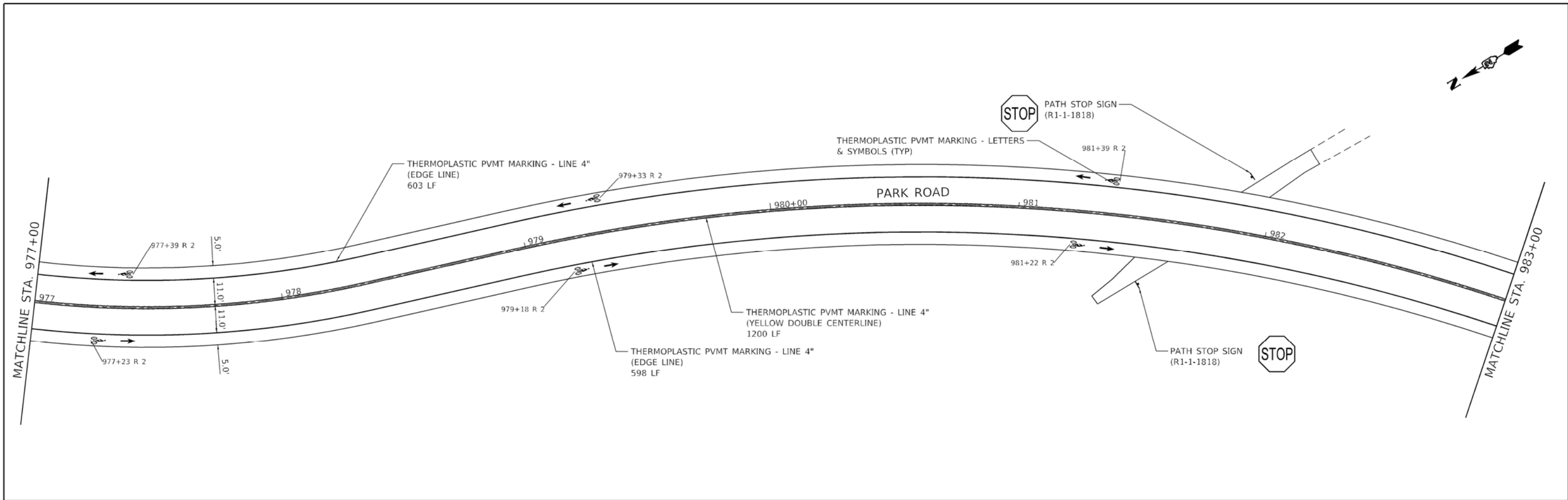
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DRAWN -	KKH	REVISED -	
CHECKED -	LDC	REVISED -	
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PLOT SCALE = 40,0000 ' / in.			
PLOT DATE = 9/13/2022			

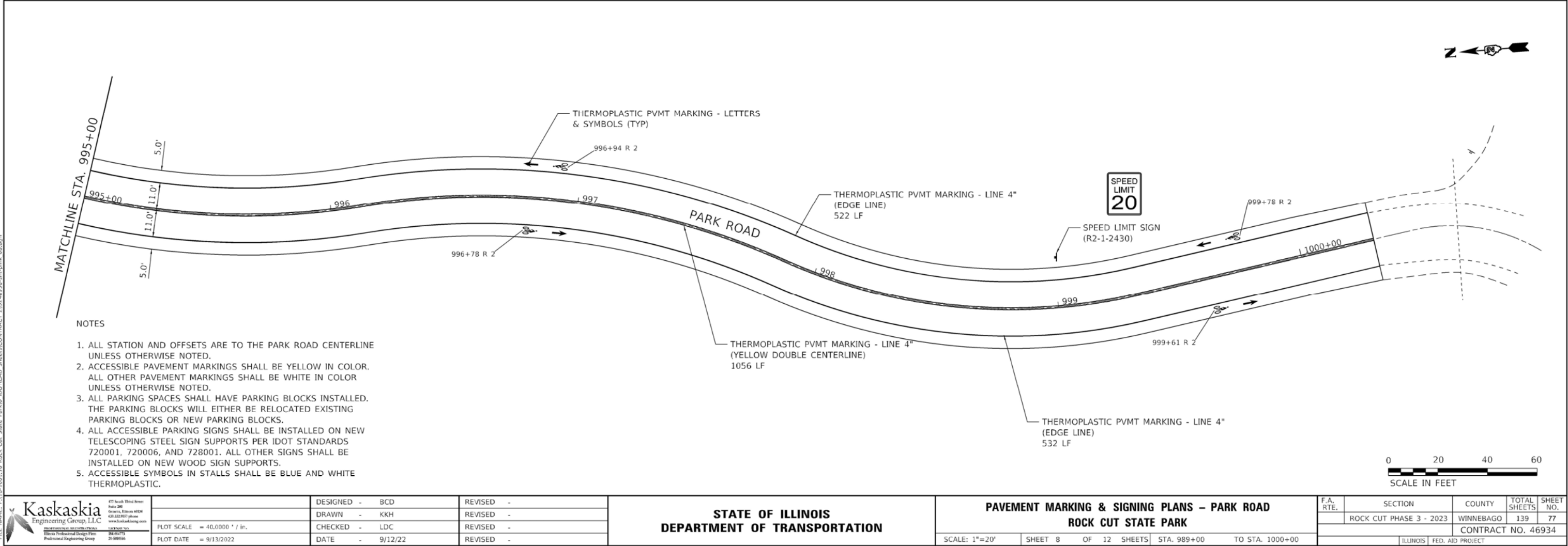
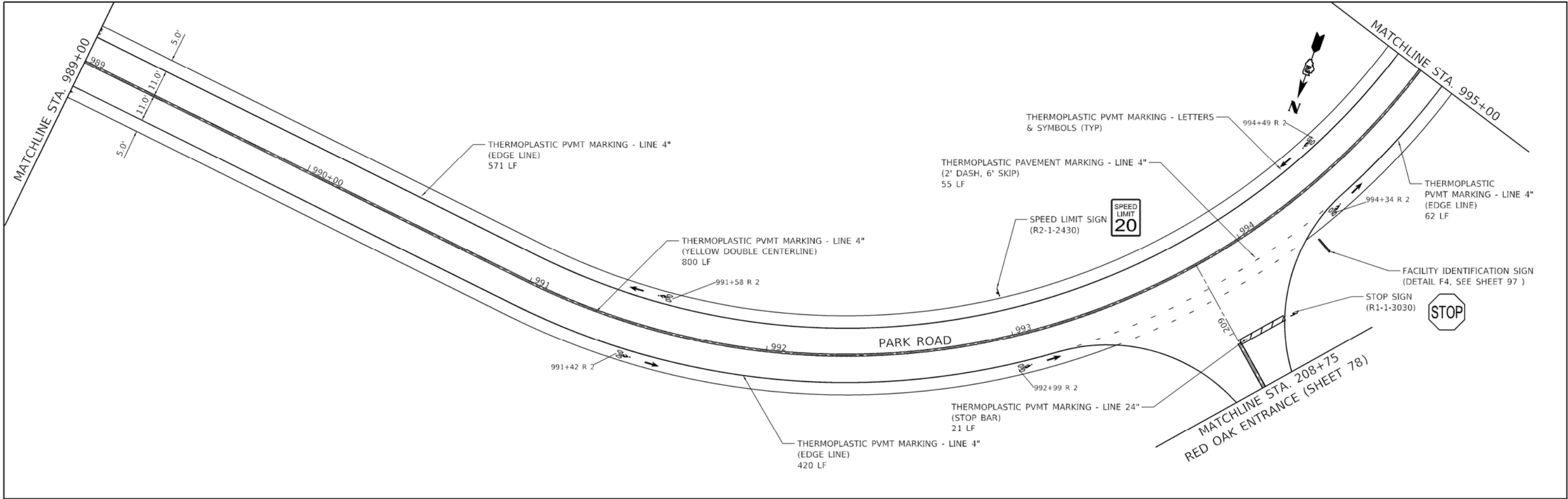
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING & SIGNING PLANS - PARK ROAD
ROCK CUT STATE PARK

SCALE: 1"=20' SHEET 6 OF 12 SHEETS STA. 971+00 TO STA. 977+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	ROCK CUT PHASE 3 - 2023	WINNEBAGO	139	75
CONTRACT NO. 46934				
ILLINOIS FED. AID PROJECT				





NOTES

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Engineering Group, LLC
477 South Third Street
Suite 200
Galesburg, Illinois 61234
630.233.5507 phone
www.kaskaskiaeng.com
ILLINOIS PROFESSIONAL ENGINEERING FIRM
No. 043-0753
20-308536

DESIGNED - BCD	REVISED -
DRAWN - KKH	REVISED -
CHECKED - LDC	REVISED -
DATE - 9/12/22	REVISED -

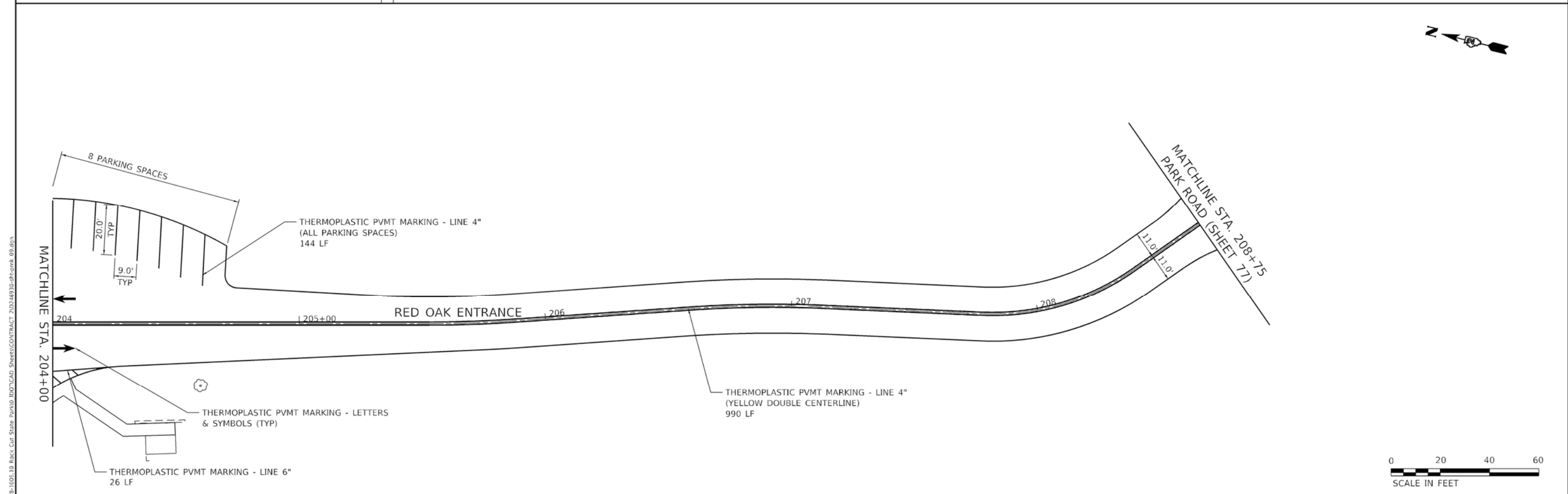
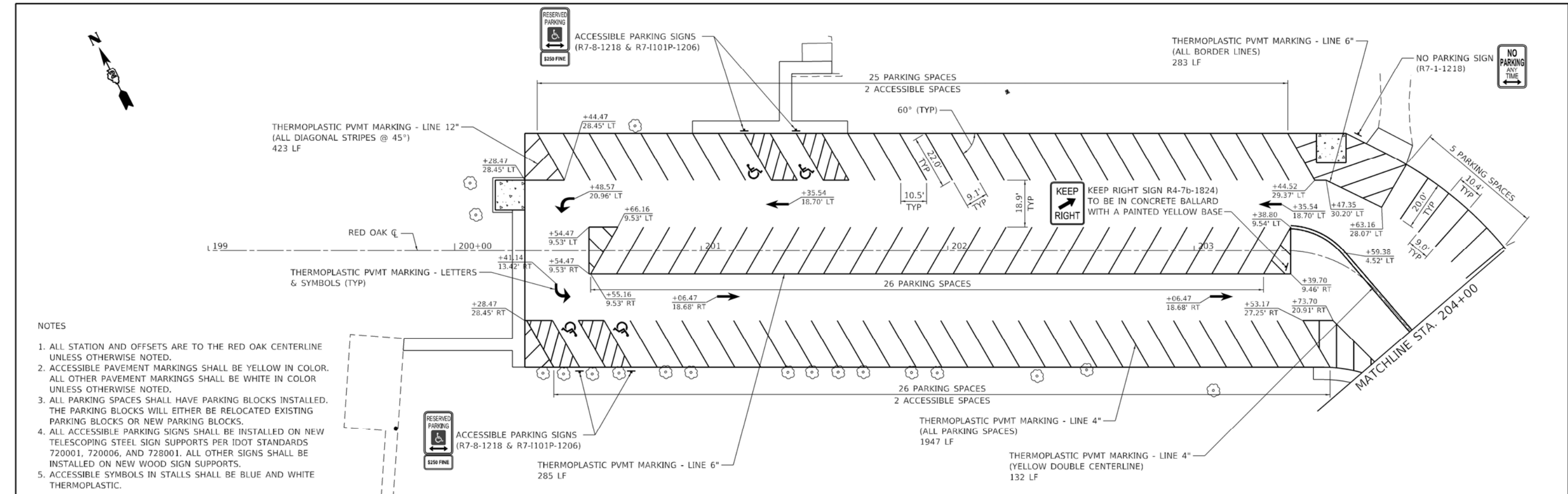
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PLOT DATE = 9/13/2022

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

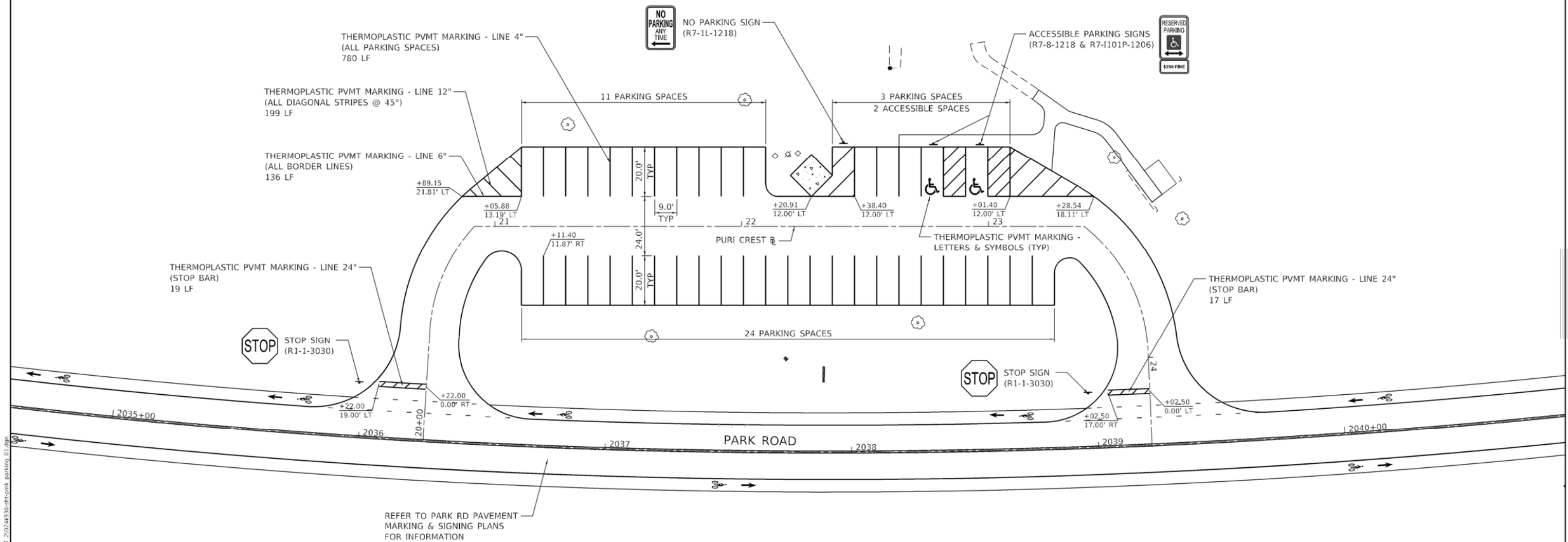
PAVEMENT MARKING & SIGNING PLANS - PARK ROAD
ROCK CUT STATE PARK

SCALE: 1"=20' SHEET 8 OF 12 SHEETS STA. 989+00 TO STA. 1000+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	ROCK CUT PHASE 3 - 2023	WINNEBAGO	139	77
CONTRACT NO. 46934				
ILLINOIS FED. AID PROJECT				



- NOTES
1. ALL STATION AND OFFSETS ARE TO THE PURI CREST BASELINE UNLESS OTHERWISE NOTED.
 2. ACCESSIBLE PAVEMENT MARKINGS SHALL BE YELLOW IN COLOR. ALL OTHER PAVEMENT MARKINGS SHALL BE WHITE IN COLOR UNLESS OTHERWISE NOTED.
 3. ALL PARKING SPACES SHALL HAVE PARKING BLOCKS INSTALLED. THE PARKING BLOCKS WILL EITHER BE RELOCATED EXISTING PARKING BLOCKS OR NEW PARKING BLOCKS.
 4. ALL ACCESSIBLE PARKING SIGNS SHALL BE INSTALLED ON NEW TELESCOPING STEEL SIGN SUPPORTS PER IDOT STANDARDS 720001, 720006, AND 728001. ALL OTHER SIGNS SHALL BE INSTALLED ON NEW WOOD SIGN SUPPORTS.
 5. ACCESSIBLE SYMBOLS IN STALLS SHALL BE BLUE AND WHITE THERMOPLASTIC.



MODEL: Default
FILE NAME: 2013-10-10 Rock Cut State Park IDOT CAD Sheets\CONTRACT 20246930\pmt-conv parking 01.dgn

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Professional Engineering Firm
Professional Engineering Group

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DRAWN -	KKH	REVISED -	
CHECKED -	LDC	REVISED -	
DATE -	9/12/22	REVISED -	
PLOT SCALE = 40,0000' / in.			
PLOT DATE = 9/13/2022			

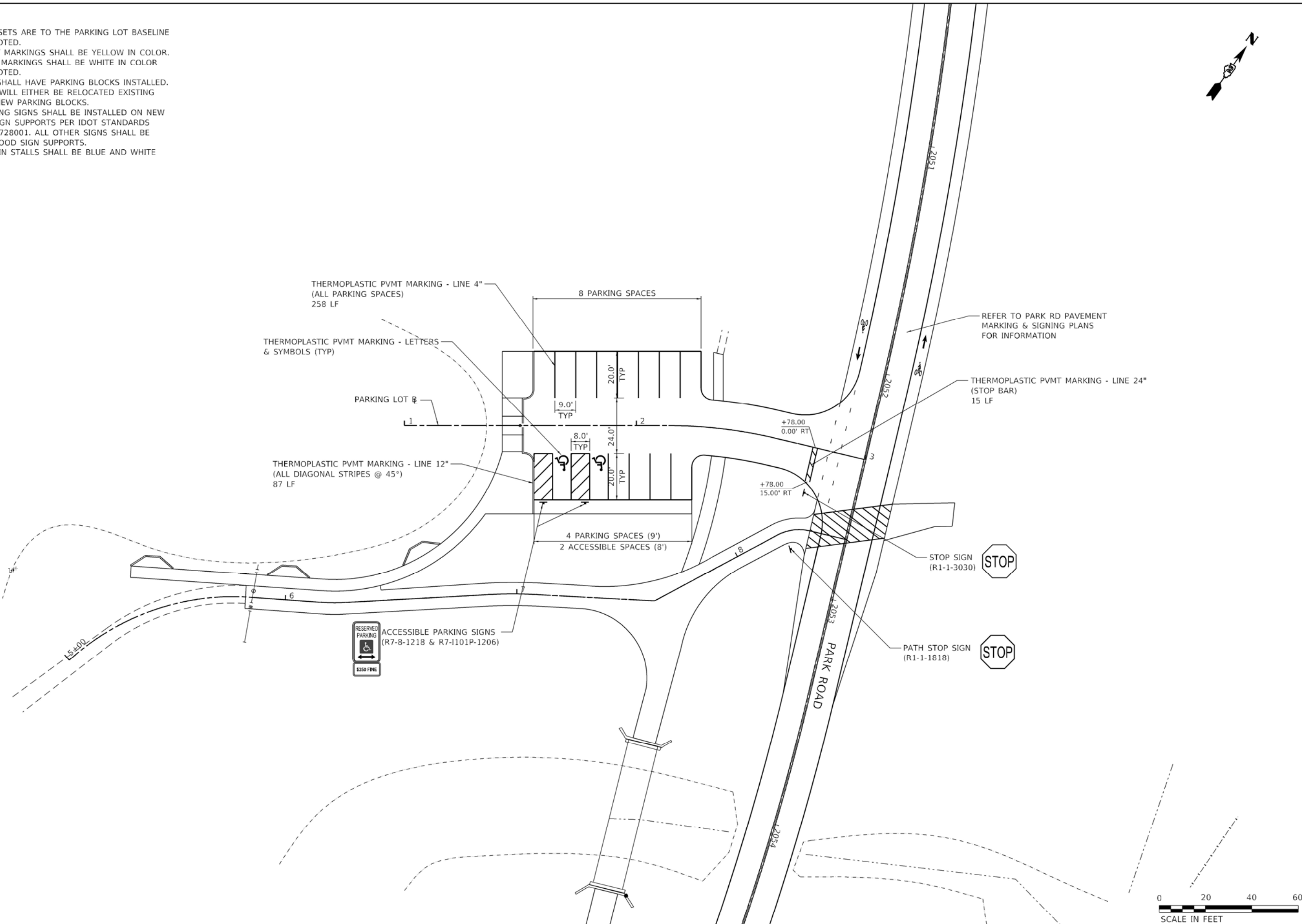
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING & SIGNING PLAN - PURI CREST PICNIC AREA
ROCK CUT STATE PARK

SCALE: 1"=20'	SHEET 10	OF 12 SHEETS	STA.	TO STA.
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	ROCK CUT PHASE 3 - 2023	WINNEBAGO	139	79
CONTRACT NO. 46934				
ILLINOIS FED. AID PROJECT				

- NOTES
1. ALL STATION AND OFFSETS ARE TO THE PARKING LOT BASELINE UNLESS OTHERWISE NOTED.
 2. ACCESSIBLE PAVEMENT MARKINGS SHALL BE YELLOW IN COLOR. ALL OTHER PAVEMENT MARKINGS SHALL BE WHITE IN COLOR UNLESS OTHERWISE NOTED.
 3. ALL PARKING SPACES SHALL HAVE PARKING BLOCKS INSTALLED. THE PARKING BLOCKS WILL EITHER BE RELOCATED EXISTING PARKING BLOCKS OR NEW PARKING BLOCKS.
 4. ALL ACCESSIBLE PARKING SIGNS SHALL BE INSTALLED ON NEW TELESCOPING STEEL SIGN SUPPORTS PER IDOT STANDARDS 720001, 720006, AND 728001. ALL OTHER SIGNS SHALL BE INSTALLED ON NEW WOOD SIGN SUPPORTS.
 5. ACCESSIBLE SYMBOLS IN STALLS SHALL BE BLUE AND WHITE THERMOPLASTIC.



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ILLINOIS LICENSE #0120278-072610
Professional Engineering Firm
20-3085166

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DRAWN - KKH	REVISED -
CHECKED - LDC	REVISED -
DATE - 9/12/22	REVISED -

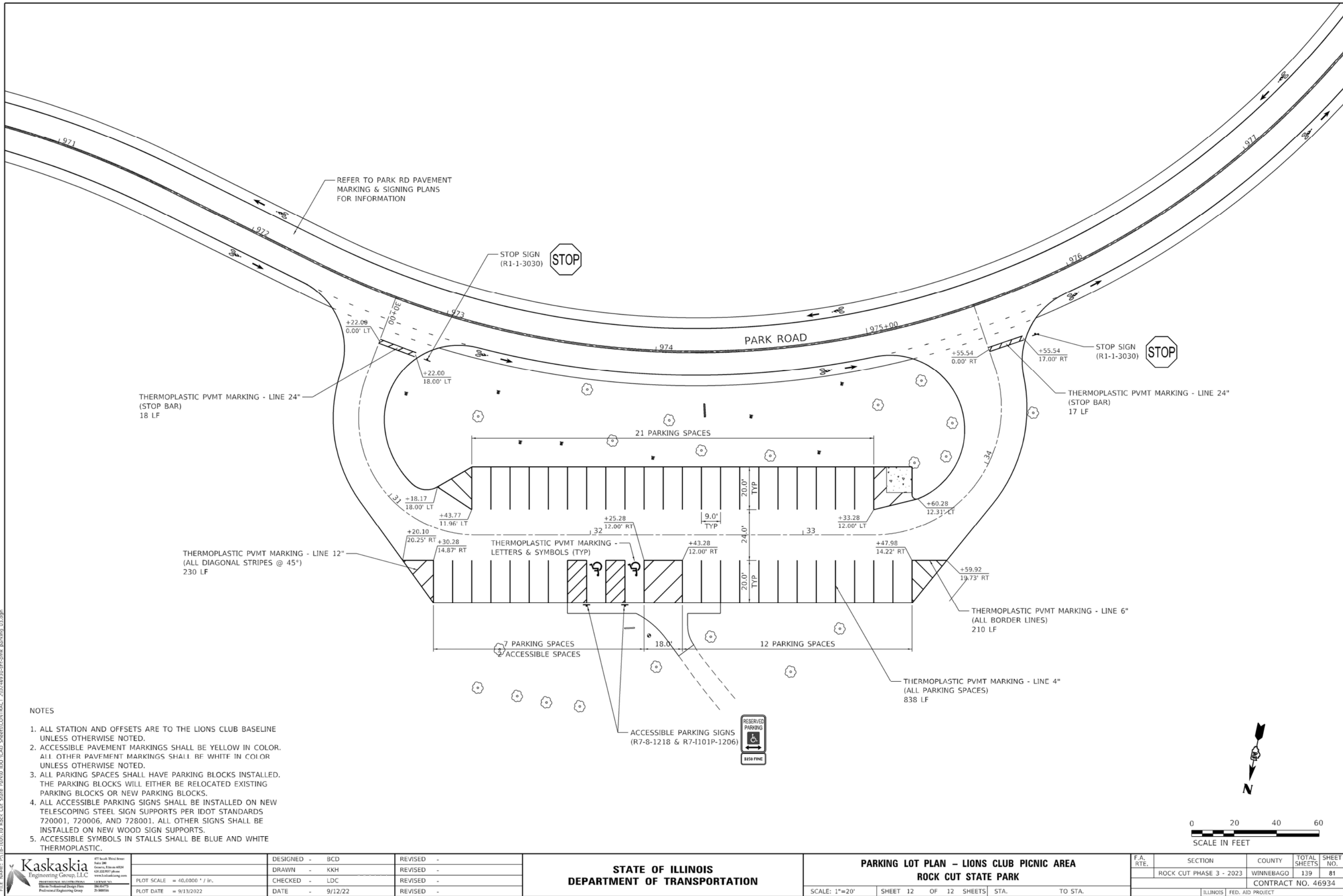
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PLOT DATE = 9/13/2022

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING & SIGNING PLAN - FISHING POND PARKING LOT
ROCK CUT STATE PARK
SCALE: 1"=20' SHEET 11 OF 12 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	ROCK CUT PHASE 3 - 2023	WINNEBAGO	139	80
CONTRACT NO. 46934				
ILLINOIS FED. AID PROJECT				

MODEL: Default
FILE NAME: 2013-10-10 Rock Cut State Park IDOT CAD Sheets\CONTRACT 20246934\pht-entrk parking 03.dgn



NOTES

1. ALL STATION AND OFFSETS ARE TO THE LIONS CLUB BASELINE UNLESS OTHERWISE NOTED.
2. ACCESSIBLE PAVEMENT MARKINGS SHALL BE YELLOW IN COLOR. ALL OTHER PAVEMENT MARKINGS SHALL BE WHITE IN COLOR UNLESS OTHERWISE NOTED.
3. ALL PARKING SPACES SHALL HAVE PARKING BLOCKS INSTALLED. THE PARKING BLOCKS WILL EITHER BE RELOCATED EXISTING PARKING BLOCKS OR NEW PARKING BLOCKS.
4. ALL ACCESSIBLE PARKING SIGNS SHALL BE INSTALLED ON NEW TELESCOPING STEEL SIGN SUPPORTS PER IDOT STANDARDS 720001, 720006, AND 728001. ALL OTHER SIGNS SHALL BE INSTALLED ON NEW WOOD SIGN SUPPORTS.
5. ACCESSIBLE SYMBOLS IN STALLS SHALL BE BLUE AND WHITE THERMOPLASTIC.

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DRAWN - KKH	REVISED -
CHECKED - LDC	REVISED -
DATE - 9/12/22	REVISED -

PLOT SCALE = 40,0000' / in.
PLOT DATE = 9/13/2022

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PARKING LOT PLAN - LIONS CLUB PICNIC AREA
ROCK CUT STATE PARK

SCALE: 1"=20' SHEET 12 OF 12 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	ROCK CUT PHASE 3 - 2023	WINNEBAGO	139	81
CONTRACT NO. 46934				
ILLINOIS FED. AID PROJECT				

Benchmark: BM #207, Chiseled " " on Southeast corner of wingwall of walking bridge at North low water crossing heading to Puri Crest Picnic Area, Elevation = 831.25, Sta. 2054+49.83, 51.71' RT.

Existing Structure: The existing structure consists of four 36" diameter, 29'-6" long corrugated metal pipe culverts. The road will be closed and traffic detoured during construction.

No Salvage.

WATERWAY INFORMATION

Drainage Area = 9.4 Sq. Mi.		Existing Overtopping Elev. 828.2 @ Sta. 2054+00 Proposed Overtopping Elev. 832.8 @ Sta. 2057+15					
Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft.	Nat. H.W.E.	Head - Ft.	Headwater El.	
			Exist. Prop.	Exist. Prop.	Exist. Prop.	Exist.	Prop.
Overtopping (Ex.)	2	494	28	133	827.8	2.1	0
Five-Year	5	882	28	171	828.9	1.9	0
Design	20	1,353	28	180	829.5	2.0	0.7
Base/Overtopping (Pr.)	100	2,190	28	180	829.8	2.4	3.3
Max. Calc.	500	2,980	28	180	830.9	1.3	2.4

5 Yr. Velocity = 5.4 ft./sec. (Proposed)
5 Yr. Velocity = 9.1 ft./sec. (Existing)

INDEX OF SHEETS

SHEET NO.	TITLE
1	GENERAL PLAN AND ELEVATION
2	GENERAL DATA
3-4	MULTI-CELL PRECAST CONCRETE BOX CULVERT APRON END SECTION DETAILS
5	SOIL BORING LOGS

PARK ROAD HORIZONTAL

CURVE DATA

EXIST. CURVE EXPARKRD_15
PI STA. = 2055+24.96
 $\Delta = 18^\circ 25' 42''$ (RT)
 $D = 4^\circ 58' 56''$
 $R = 1,150.00'$
 $T = 186.55'$
 $L = 369.88'$
 $E = 15.03'$
P.C. STA. = 2053+40.02
P.T. STA. = 2057+09.90

DESIGN SPECIFICATIONS

2020 AASHTO LRFD Bridge Design Specifications, Customary U.S. Units, 9th Edition

LOADING HL-93

Allow 50#/sq. ft. for future wearing surface

DESIGN STRESSES

FIELD UNITS:

$f'_c = 3,500$ psi
 $f_y = 60,000$ psi (Reinforcement)

PRECAST UNITS:

$f'_c = 5,000$ psi (Precast)
 $f_y = 60,000$ psi (Reinforcement)
 $f_y = 65,000$ psi (Welded Wire Fabric)

GENERAL PLAN & ELEVATION

ROCK CUT STATE PARK

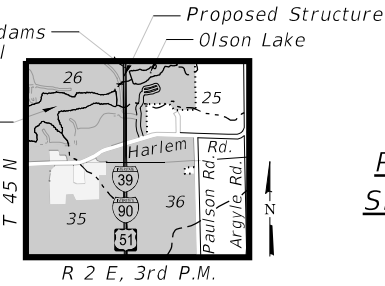
PARK ROAD OVER WILLOW CREEK

SECTION ROCK CUT PHASE 2-2022

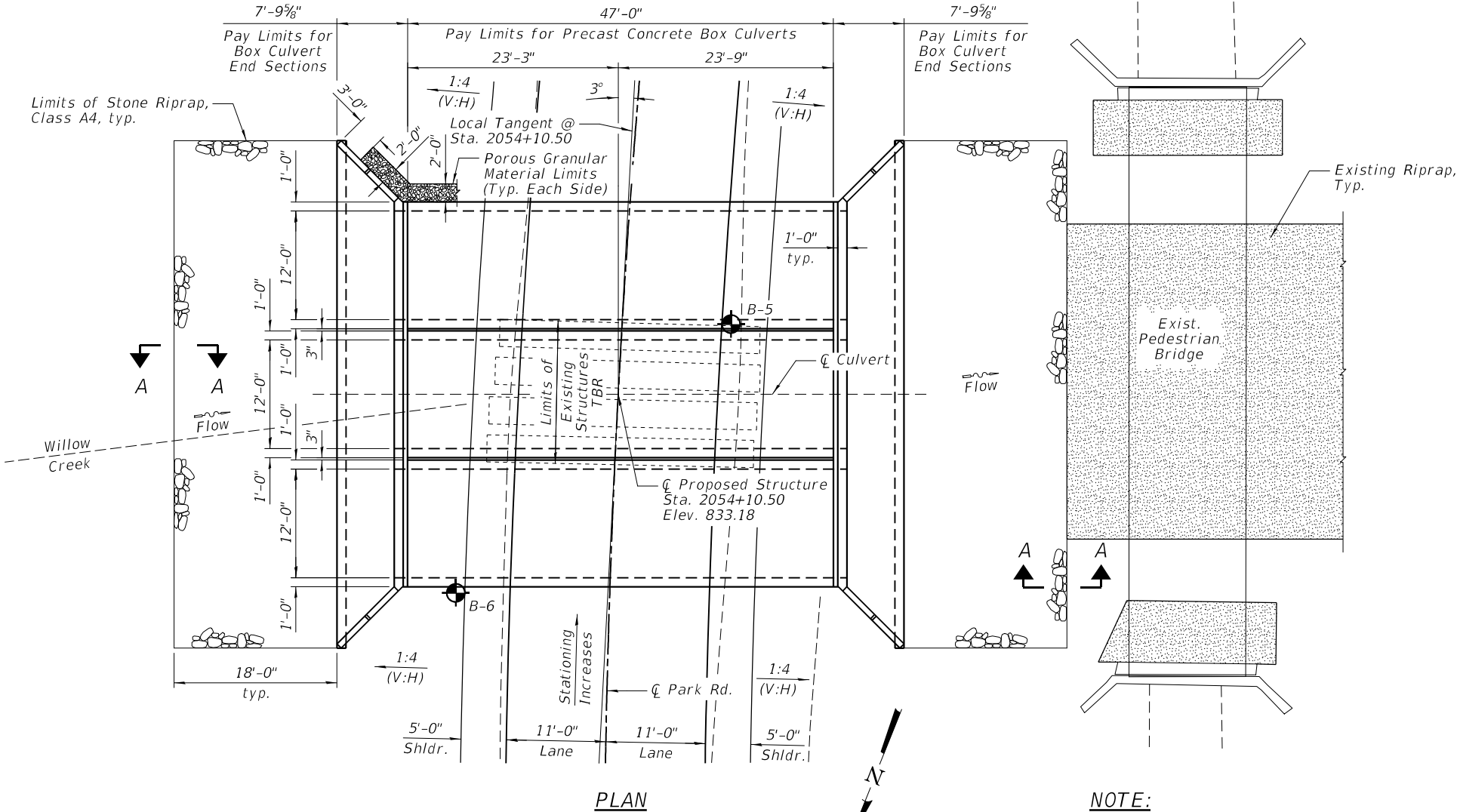
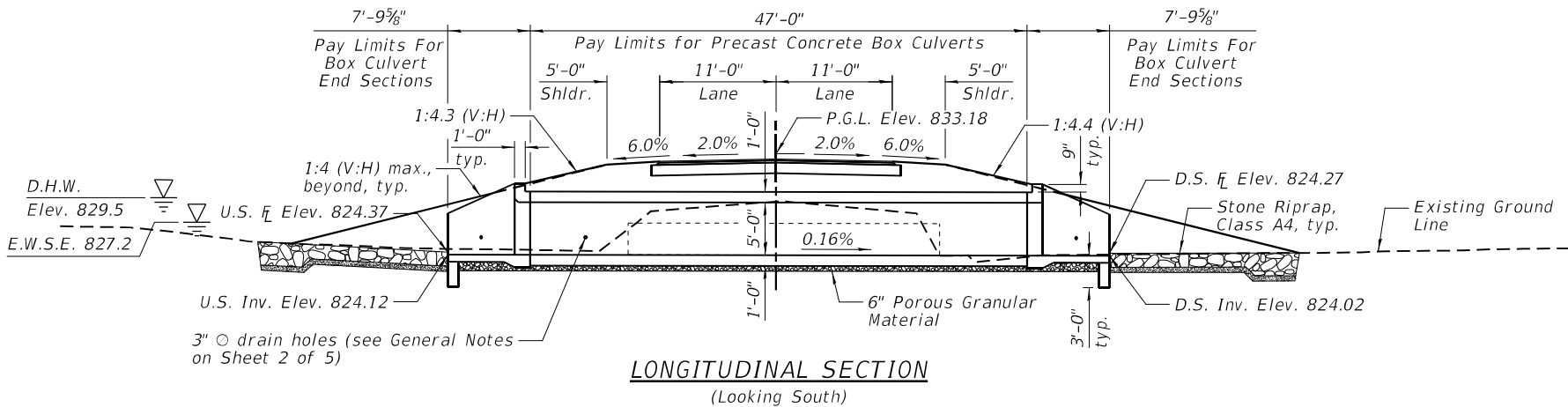
WINNEBAGO COUNTY

STATION 2054+10.50

STRUCTURE NO. 101-9976



LOCATION SKETCH



NOTE:

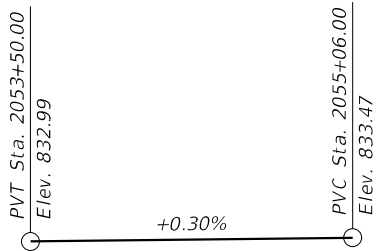
See Sheet 2 of 5 for Section A-A.

TOTAL BILL OF MATERIAL

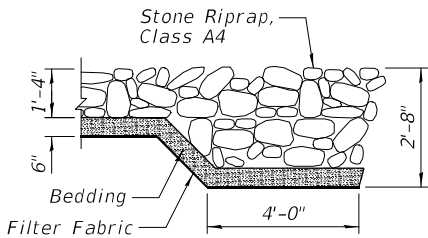
ITEM	UNIT	TOTAL
Channel Excavation	Cu. Yd.	340
Porous Granular Embankment	Cu. Yd.	157
Stone Riprap, Class A4	Sq. Yd.	224
Filter Fabric	Sq Yd	224
Pipe Culvert Removal	Foot	118
Structure Excavation	Cu. Yd.	380
Name Plates	Each	1
Box Culvert End Sections, Culvert No. 1	Each	2
Precast Concrete Box Culverts 12' X 5'	Foot	141
Geocomposite Wall Drain	Sq. Yd.	238
Membrane Waterproofing System for Buried Structures	Sq. Yd.	238

GENERAL NOTES:

- 1.) The design fill height for this box is 3'-1". The Precast Box Culvert Sections shall conform to the requirements of ASTM C 1577.
- 2.) Drain holes shall be provided on exterior culvert walls for each precast box segment with a clear rise greater than 3 ft. The drain hole shall be located within 1/3 of the clear rise of the box culvert, shall not intercept the haunch, and shall conform to the requirements of Article 503.11 of the Standard Specification.
- 3.) Membrane Waterproofing System for Buried Structures and Geocomposite Wall Drain shall be applied to the top of the top slab and outside face of sidewalls, between inside faces of the headwalls, and removed as required to construct the top slab drain details. See Section Thru Barrels.
- 4.) Nonwoven Geotextile Fabric shall conform to the requirements of Art. 1080.01 of the Standard Specifications. The minimum weight of the fabric shall be 6 ounces per square yard.
- 5.) Precast concrete box culverts and box culvert end sections shall be backfilled with Porous Granular Embankment in the required excavation areas on the sides of the box culvert from the top of the box culvert to the bottom of the box culvert. This area of PGE is included in the Porous Granular Embankment pay item. The 6-inch thick layer of porous granular material required under the precast concrete box culvert, according to Section 540.06 of the Standard Specifications, shall also apply to the end sections. Cost of this porous granular material will not be paid for separately but shall be included in the unit price of the work for which it is required.
- 6.) Geocomposite Wall Drain shall be according to Section 591 of the Standard Specifications, except that concrete nails shall not be used in areas where it overlaps Membrane Waterproofing System for Buried Structures.
- 7.) Channel Excavation volume was calculated as the plan area of the riprap, multiplied by the height of soil measured from the top of existing ground surface to the bottom of the riprap.



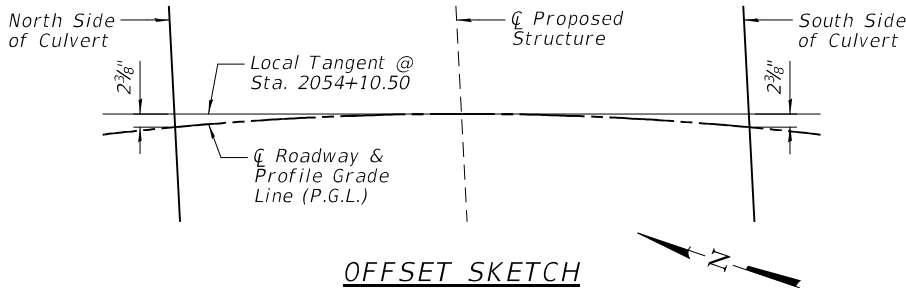
PROFILE GRADE
(Along C Roadway)



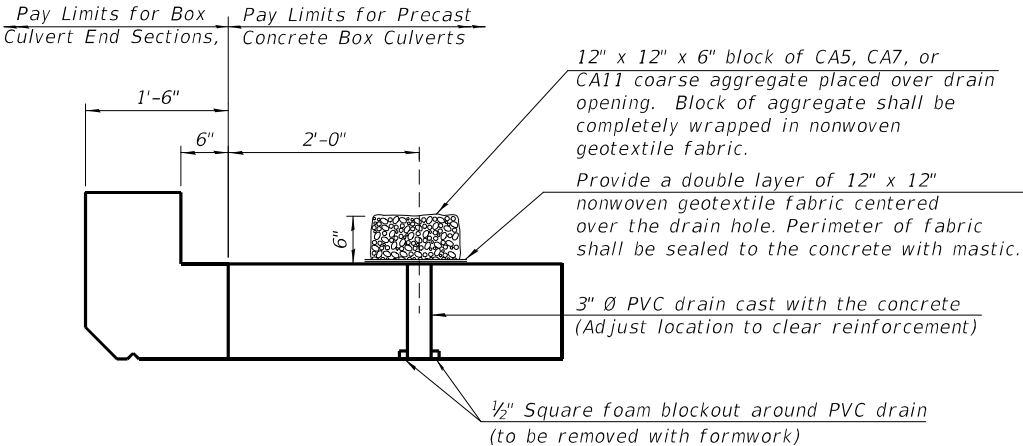
SECTION A-A

STATION 2054+10.50
BUILT 20 BY
STATE OF ILLINOIS
SEC. ROCK CUT PHASE 2-2022
LOADING HL-93
STRUCTURE NO. 101-9976

NAME PLATE
See Std. 515001

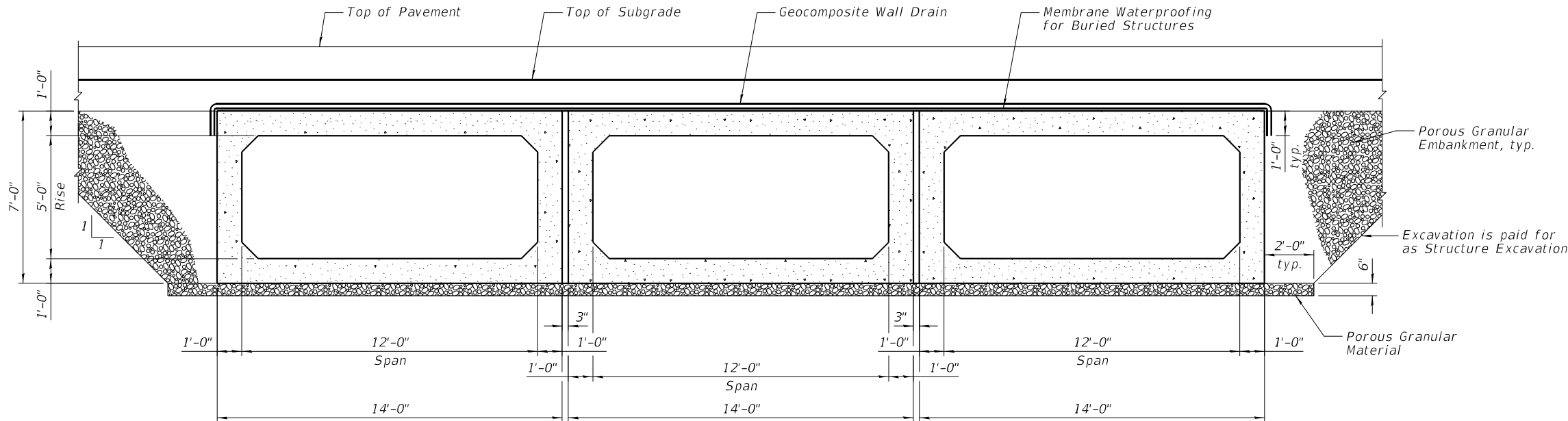


OFFSET SKETCH



DRAIN DETAIL

(All costs associated with furnishing and constructing the above drain detail will not be measured for payment but shall be included in the contract unit price for the associated work.)



SECTION THRU BARRELS

GENERAL NOTES

Box Culvert End Sections shall be constructed according to the requirements of Section 540 of the Standard Specifications except as modified herein. End sections will be paid for at the contract unit price per each for Box Culvert End Sections.

Box section dimensions, materials, and reinforcement details for Box Culvert End Sections shall be according to the requirements for ASTM C 1577 as required for the design of the portion of the culvert within the limits of Precast Concrete Box Culverts except as modified herein.

Details for Double Cell Box Culvert shown. Details for Triple Cell Box Culvert similar.

The details contained herein are for constructing the end sections using cast-in-place (CIP) construction. The Contractor may propose to furnish the end sections using precast construction methods and the end sections may consist of multiple precast concrete segments. The Contractor shall be responsible for determining all details associated with the precast option including any strengthening or stiffening provisions necessary for handling the precast segments. Conceptual details followed by shop drawings and design calculations sealed by an Illinois Licensed Structural Engineer shall be submitted to the Engineer for review and approval. Elements of the precast option shall at a minimum result in the same wingwall geometry and not have a thickness less than that detailed herein. The option to construct the end sections using precast construction methods shall be at no additional charge.

Shop drawings that detail slab thickness and reinforcement layout for the Box Culvert End Sections shall be provided to the Engineer for review and approval. Reinforcement bars not detailed herein shall be detailed with a clear distance at the end of the reinforcement not less than 1/2" nor more than 2".

The contractor may use reinforcement bars in lieu of welded wire reinforcement (WWR). Reinforcement bars shall be limited to the sizes of #3 through #5 bars, a maximum spacing of the lesser of 8" or the member thickness, and shall result in an area of reinforcement equal to or greater than that provided by the WWR. Minimum lap lengths detailed herein are applicable to WWR and reinforcement bars.

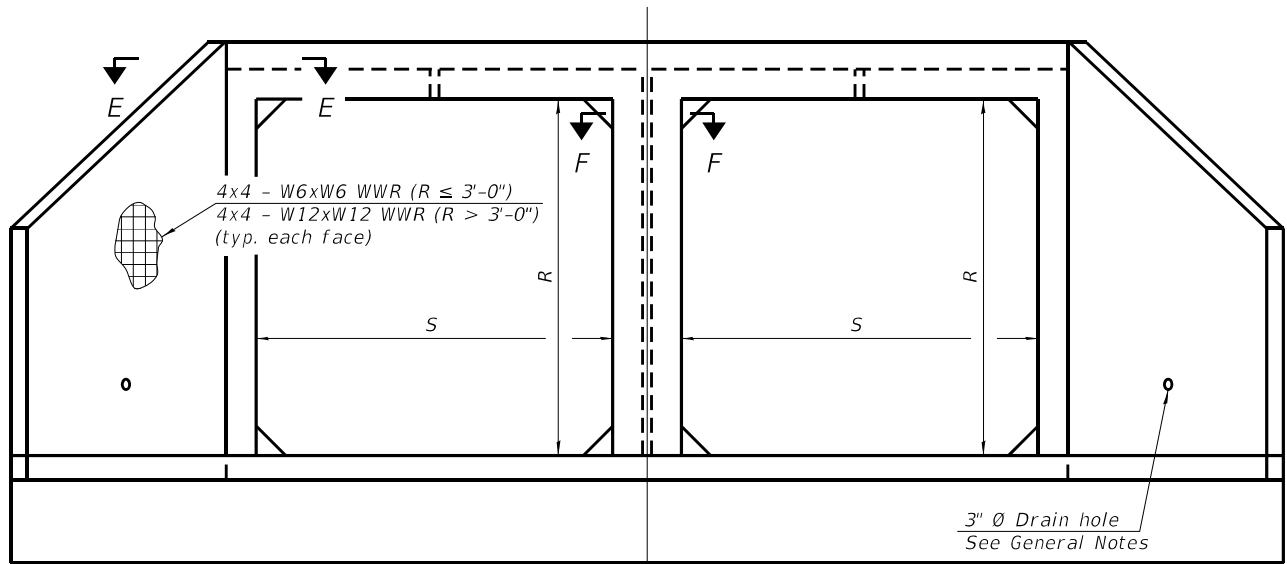
Reinforcement (circumferential and longitudinal) in the precast concrete box culvert segments immediately adjacent to the box culvert end sections that is being lapped with the end section reinforcement shall not be less than that required by ASTM C 1577 for the design fill height or the reinforcement detailed for the end section, whichever is greater.

One drain hole shall be provided in each wingwall for end sections of box culverts having an opening with a clear rise greater than 3 ft. The drain hole shall be located within 1/3 of the clear rise of the box culvert and shall conform to the requirements of Article 503.11 of the Standard Specifications.

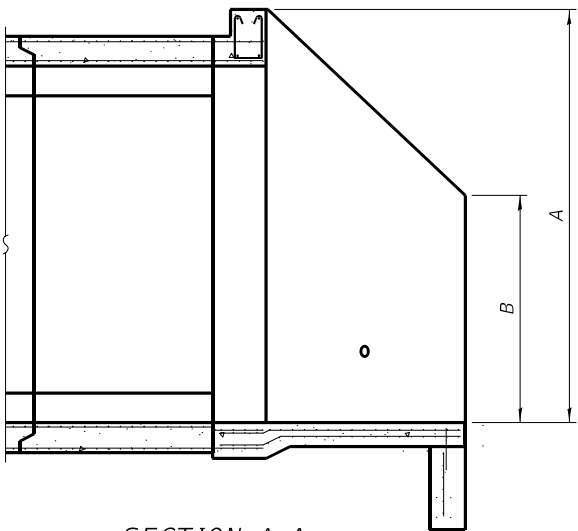
APRON END SECTION DIMENSIONS

							Double Cell		Triple Cell	
Span (S)	Rise (R)	Tt , Tb , & Ts	A	B	C	D	E	Concrete Cu. Yd.	E	Concrete Cu. Yd.
7'-0"	2'-0"	8"	3'-5"	2'-3"	2'-11 3/8"	4'-2"	23'-9"	6.6		
7'-0"	3'-0"	8"	4'-5"	2'-9"	3'-11 3/8"	5'-7"	25'-9 1/8"	8.0		
7'-0"	4'-0"	8"	5'-5"	3'-3"	4'-11 3/8"	7'-0"	27'-9 1/8"	9.5		
7'-0"	5'-0"	8"	6'-5"	3'-9"	5'-11 3/8"	8'-5"	29'-9 1/8"	11.2		
7'-0"	6'-0"	8"	7'-5"	4'-3"	6'-11 1/2"	9'-10"	31'-9 1/4"	13.1		
8'-0"	2'-0"	8"	3'-5"	2'-3"	2'-11 3/8"	4'-2"	25'-9"	7.1		
8'-0"	3'-0"	8"	4'-5"	2'-9"	3'-11 3/8"	5'-7"	27'-9 1/8"	8.6		
8'-0"	4'-0"	8"	5'-5"	3'-3"	4'-11 3/8"	7'-0"	29'-9 1/8"	10.2		
8'-0"	5'-0"	8"	6'-5"	3'-9"	5'-11 3/8"	8'-5"	31'-9 1/8"	11.9		
8'-0"	6'-0"	8"	7'-5"	4'-3"	6'-11 1/2"	9'-10"	33'-9 1/4"	13.8		
9'-0"	2'-0"	9"	3'-6"	2'-3"	3'-0 3/4"	4'-4"	28'-3 7/8"	8.2	39'-0 7/8"	11.4
9'-0"	3'-0"	9"	4'-6"	2'-9"	4'-0 3/4"	5'-9"	30'-3 7/8"	9.7	41'-0 7/8"	13.3
9'-0"	4'-0"	9"	5'-6"	3'-3"	5'-0 3/4"	7'-2"	32'-3 7/8"	11.4	43'-0 7/8"	15.4
9'-0"	5'-0"	9"	6'-6"	3'-9"	6'-0 1/8"	8'-7"	34'-4"	13.2	45'-1"	17.6
9'-0"	6'-0"	9"	7'-6"	4'-3"	7'-0 1/8"	9'-11"	36'-2 7/8"	15.1	46'-11 1/8"	19.8
10'-0"	2'-0"	10"	3'-7"	2'-4"	3'-1 1/2"	4'-5"	30'-9 1/4"	9.2	42'-8 1/4"	13.0
10'-0"	3'-0"	10"	4'-7"	2'-10"	4'-1 1/2"	5'-10"	32'-9 1/4"	10.8	44'-8 1/4"	15.0
10'-0"	4'-0"	10"	5'-7"	3'-4"	5'-1 1/2"	7'-3"	34'-9 3/8"	12.6	46'-8 3/8"	17.2
10'-0"	5'-0"	10"	6'-7"	3'-10"	6'-1 1/2"	8'-8"	36'-9 3/8"	14.5	48'-8 3/8"	19.5
10'-0"	6'-0"	10"	7'-7"	4'-4"	7'-1 1/2"	10'-1"	38'-9 3/8"	16.6	50'-8 3/8"	22.0
11'-0"	2'-0"	11"	3'-8"	2'-4"	3'-2 7/8"	4'-7"	33'-4 1/8"	10.4	46'-5 1/8"	14.7
11'-0"	3'-0"	11"	4'-8"	2'-10"	4'-2 7/8"	6'-0"	35'-4 1/8"	12.1	48'-5 1/8"	16.9
11'-0"	4'-0"	11"	5'-8"	3'-4"	5'-2 3/4"	7'-4"	37'-2 3/4"	13.9	50'-3 3/4"	19.1
11'-0"	5'-0"	11"	6'-8"	3'-10"	6'-2 1/4"	8'-9"	39'-2 7/8"	15.8	52'-3 7/8"	21.4
11'-0"	6'-0"	11"	7'-8"	4'-4"	7'-2 1/4"	10'-2"	41'-2 7/8"	18.1	54'-3 7/8"	24.2
12'-0"	2'-0"	12"	3'-9"	2'-5"	3'-3 5/8"	4'-8"	35'-9 1/2"	11.6	50'-0 1/2"	16.5
12'-0"	3'-0"	12"	4'-9"	2'-11"	4'-3 5/8"	6'-1"	37'-9 1/2"	13.4	52'-0 1/2"	18.8
12'-0"	4'-0"	12"	5'-9"	3'-5"	5'-3 5/8"	7'-6"	39'-9 5/8"	15.4	54'-0 5/8"	21.2
12'-0"	5'-0"	12"	6'-9"	3'-11"	6'-3 5/8"	8'-11"	41'-9 5/8"	17.6	56'-0 5/8"	23.8
12'-0"	6'-0"	12"	7'-9"	4'-5"	7'-3 5/8"	10'-4"	43'-9 5/8"	19.8	58'-0 5/8"	26.6

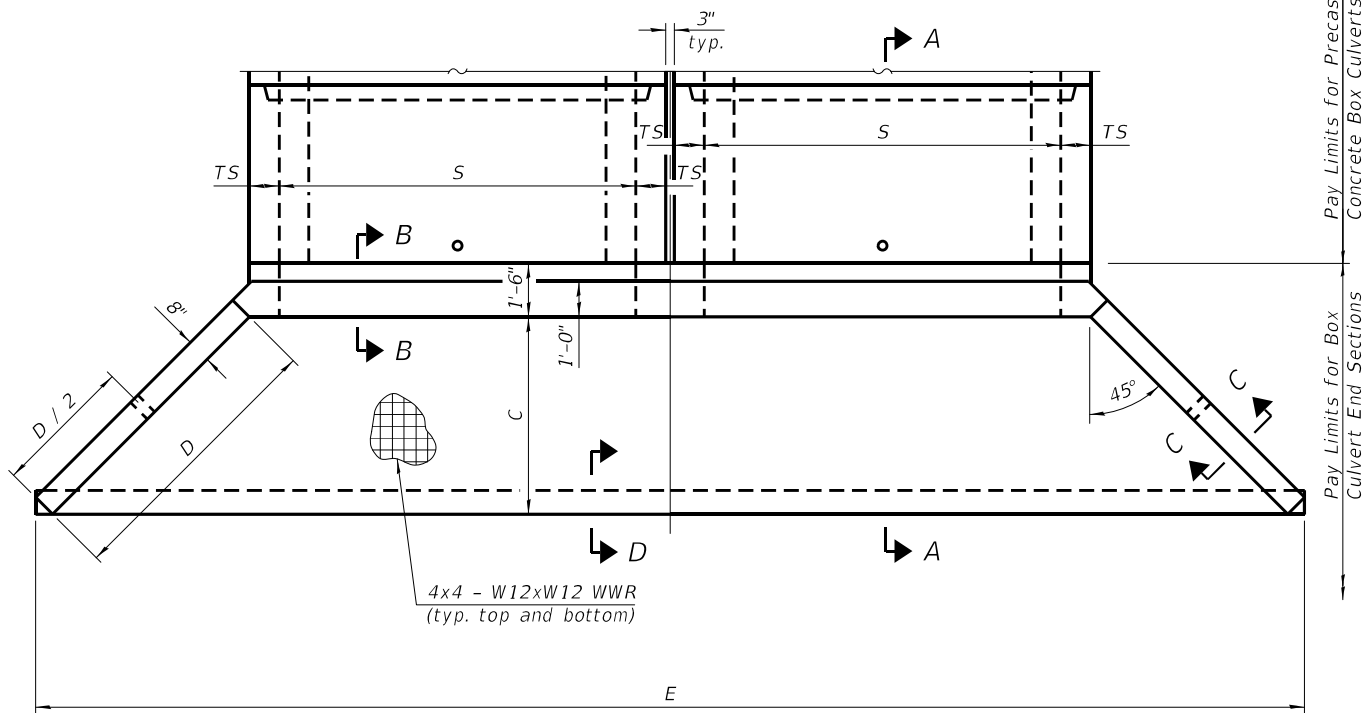
(Sheet 1 of 2)



END VIEW



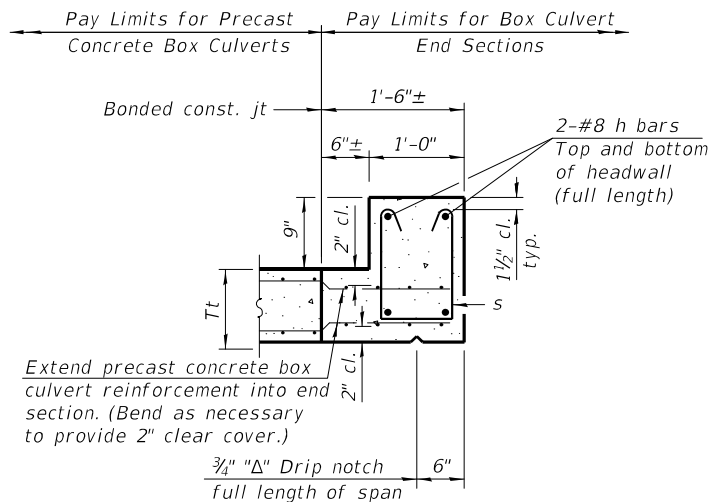
SECTION A-A



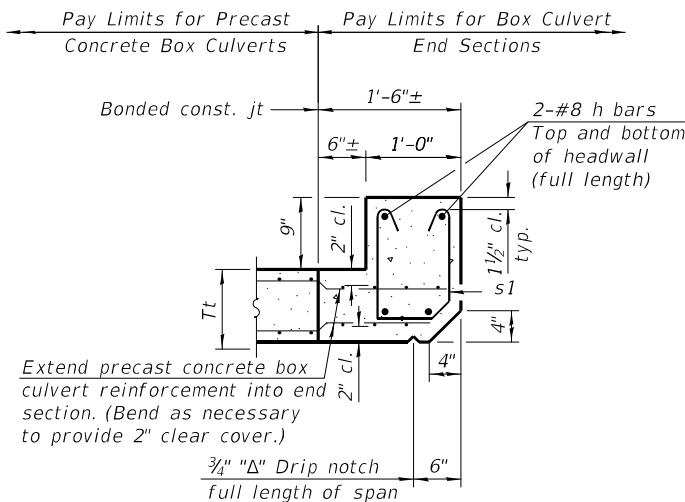
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MCB-AES

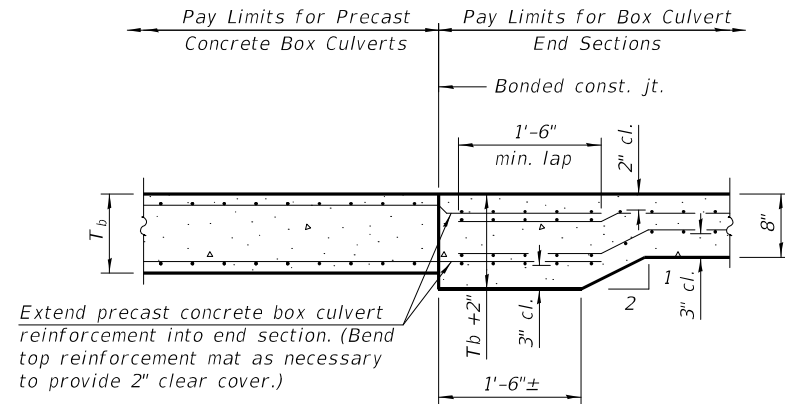
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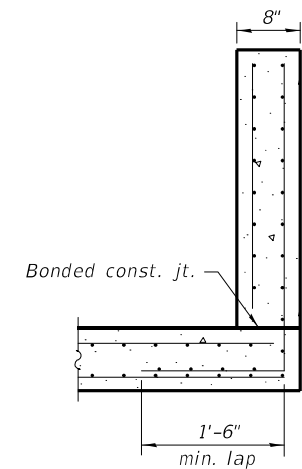
SECTION B-B
(Top slab at downstream end)



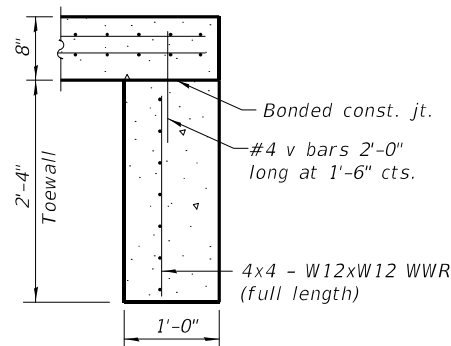
SECTION B-B
(Top slab at upstream end)



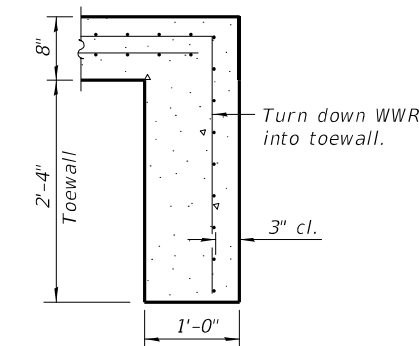
SECTION B-B
(Bottom slab)



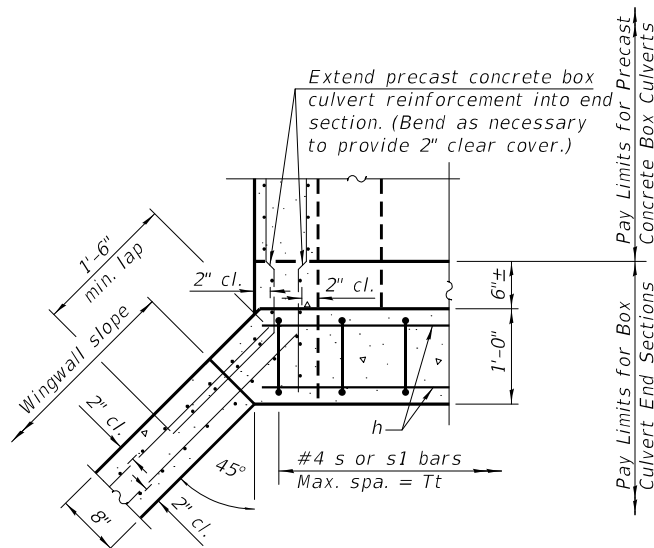
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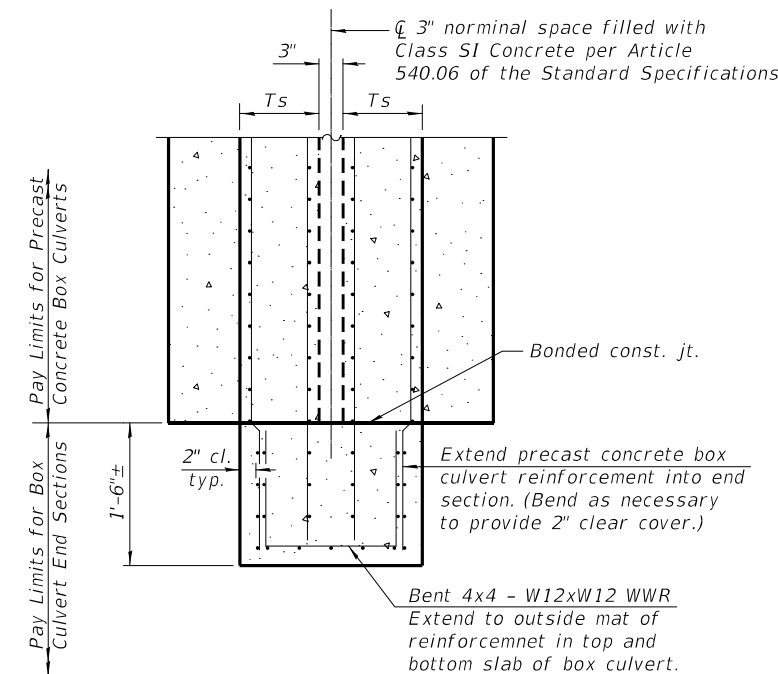
SECTION D-D



ALT. SECTION D-D



SECTION E-E



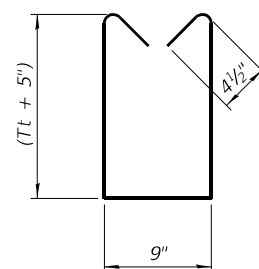
SECTION F-F

TOEWALL CONSTRUCTION SEQUENCE

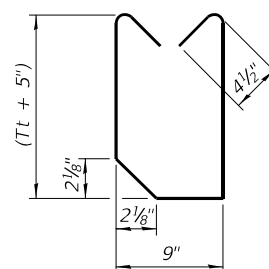
1. Perform excavation and construct toewall.
2. Backfill accordingly and prepare bedding for box culvert end sections.
3. Construct remainder of box culvert end section.

Note:

If soil conditions permit, the toewall may be poured monolithically with the bottom slab of the end section using Alt. Section D-D subject to approval from the Engineer.



BAR s




BAR s1

MCB-AES

2-17-2017

(Sheet 2 of 2)

 Illinois Department of Transportation <small>Division of Highways IDOT</small>	Page <u>1</u> of <u>1</u> Date <u>4/9/20</u>
<h2 style="margin: 0;">SOIL BORING LOG</h2>	
ROUTE <u>Rock Cut State Park</u> DESCRIPTION <u>C30-018-18 - Quad pipe culvert, 0.32 mi N of I-90/39 crossover</u>	LOGGED BY <u>W. Garza</u>
SECTION <u>Main Park Road</u> LOCATION <u>Hartem E 1/2 26, SEC., TWP. 45N, RNG. 2E</u>	
COUNTY <u>Winnebago</u> DRILLING METHOD <u>Hollow Stem Auger</u> HAMMER TYPE <u>CME-45 Automatic</u>	
STRUCT. NO. _____ Station _____	
BORING NO. <u>B-5</u> Station <u>2054+19</u> Offset <u>12.00 ft Rt. of CL</u> Ground Surface Elev. <u>101.00</u> ft	
Latitude <u>42° 21' 09.23"</u> Longitude <u>-88° 57' 55.39"</u>	
Northing <u>2,073,292.7458</u> Easting <u>2,521,289.4761</u>	

Description	(ft)	(ft)	(tsf)	(%)	Surface Water Elev. Stream Bed Elev.	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
	(ft)	(ft)	(tsf)	(%)														
MEDIUM brown SILTY CLAY LOAM			0.6 P	25.0														
	99.00																	
MEDIUM dark gray LOAM with 13.1% ORGANICS			2															
			1															
			3															
	98.50																	
DENSE gray MOIST DIRTY SANDY GRAVEL			4															
			11															
	95.00		22															
MEDIUM gray SANDY GRAVEL			8															
			9															
	92.50		13															
MEDIUM gray SANDY GRAVEL			10															
			11															
12" Wash			14															
	90.00																	
MEDIUM tan SANDY GRAVEL			11															
			12															
	87.50		13															
MEDIUM gray SANDY GRAVEL			7															
			6															
18" Wash			8															
	85.00																	

[illegible]

Ground Surface Elevation 101.00 = 828.40 (NAVD 88)

Existing Structure: The existing structure consists of four 36" diameter, 29'-6" long corrugated metal pipe culverts. The road will be closed and traffic detoured during construction.

LONGITUDINAL SECTION
(Looking South)

Pay Limits for Precast Concrete Box Culverts

Pay Limits for Box Culvert End Sections

Pay Limits for Box Culvert End Sections

11'-0" Lane

11'-0" Lane

4'-0" Curb

6" Porous Granular Material

3" \varnothing drain holes (see General Notes on Sheet 2 of 5).

1:6.1 (V:H)

1:7.0 (V:H)

1'-0" typ.

9" typ.

1'-4" (V:H) max., beyond, typ.

D.H.W. Elev. 829.2

E.W.S.E. 827.7

U.S. ∇ Elev. 826.52

U.S. Inv. Elev. 826.27

D.S. ∇ Elev. 826.46

Stone Riprap, Class A4, typ.

Existing Ground Line

D.S. Inv. Elev. 826.21

0.12%

0.11%

2.0%

Drainage Area = 1.4 Sq. Mi.		Existing Overtopping Elev. 830.2 @ Sta. 2067+90 Proposed Overtopping Elev. 833.1 @ Sta. 2067+00							
Flood	Freq.	Q	Opening Sq. Ft.		Nat.	Head - Ft.		Headwater El.	
	Yr.	C.F.S.	Exist.	Prop.	H.W.E.	Exist.	Prop.	Exist.	Prop.
Five-Year/Overtopping (Ex.)	5	223	27	42	828.9	1.6	0	830.5	828.9
Design	20	423	28	46	829.2	2.4	1.3	831.6	830.5
Base/Overtopping (Pr.)	100	784	28	64	830.4	2.0	2.6	832.4	833.0
Max. Calc.	500	1,212	28	64	831.2	2.0	2.6	833.2	833.8

5 Yr. Velocity = 7.6 ft./sec. (Proposed)
5 Yr. Velocity = 9.1 ft./sec. (Existing)

<u>SHEET NO.</u>	<u>TITLE</u>
1	GENERAL PLAN AND ELEVATION
2	GENERAL DATA
3-4	MULTI-CELL PRECAST CONCRETE BOX CULVERT APRON END SECTION DETAILS
5	SOIL BORING LOGS

EXIST. CURVE EXPARKRD_18
PI STA. = 2068+44.42
 $\Delta = 37^\circ 26' 14''$ (RT)
 $D = 11^\circ 27' 33''$
 $R = 500.00'$
 $T = 169.42'$
 $L = 326.70'$
 $E = 27.92'$
P.C. STA. = 2066+81.07
P.T. STA. = 2070+07.77

2020 AASHTO LRFD Bridge Design
Specifications, Customary U.S. Units,
9th Edition

Allow 50#/sq. ft. for future wearing surface

FIELD UNITS:

$$f'_c = 3,500 \text{ psi}$$
$$f_y = 60,000 \text{ psi (Reinforcement)}$$

PRECAST UNITS:

$f'_c = 5,000$ psi (Precast)
 $f_y = 60,000$ psi (Reinforcement)
 $f_y = 65,000$ psi (Welded Wire Fabric)

ROCK CUT STATE PARK
PARK ROAD OVER SOUTH
BRANCH WILLOW CREEK
SECTION ROCK CUT PHASE 2-2022
WINNEBAGO COUNTY
STATION 2067+91.00
STRUCTURE NO. 101-9977

LOCATION SKETCH

Map of the proposed structure location in the Harlem area. The map shows a grid of streets including T 45 N, R 2 E, 3rd P.M., Paulson Rd., Argyle Rd., and Harlem Rd. A proposed structure is indicated by a dashed line. Surrounding areas are labeled with numbers 25, 26, 35, and 36. A north arrow is present.

	DESIGNED - PMG	REVISED
	CHECKED - JCZ	REVISED
	DRAWN - DJM	REVISED
DATE - 04/15/2022	CHECKED - JML	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHEET NO. 1 OF 5 SHEETS

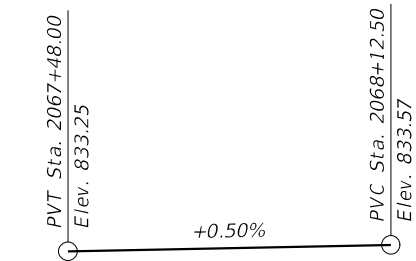
RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	ROCK CUT PHASE 3-2023	WINNEBAGO	139	87
		CONTRACT NO. 46934		
		ILLINOIS	FED. AID PROJECT	

TOTAL BILL OF MATERIAL

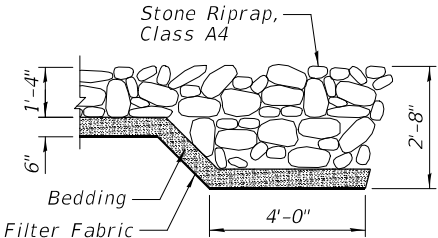
ITEM	UNIT	TOTAL
Channel Excavation	Cu. Yd.	220
Porous Granular Embankment	Cu. Yd.	89
Stone Riprap, Class A4	Sq. Yd.	159
Filter Fabric	Sq. Yd.	159
Pipe Culvert Removal	Foot	118
Structure Excavation	Cu. Yd.	140
Name Plates	Each	1
Box Culvert End Sections, Culvert No. 2	Each	2
Precast Concrete Box Culverts 8' X 4'	Foot	86
Geocomposite Wall Drain	Sq. Yd.	103
Membrane Waterproofing System for Buried Structures	Sq. Yd.	103

GENERAL NOTES:

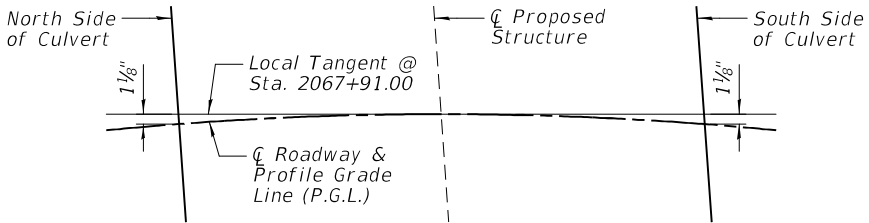
- 1.) The design fill height for this box is 2'-7". The Precast Box Culvert Sections shall conform to the requirements of ASTM C 1577.
- 2.) Drain holes shall be provided on exterior culvert walls for each precast box segment with a clear rise greater than 3 ft. The drain hole shall be located within 1/3 of the clear rise of the box culvert, shall not intercept the haunch, and shall conform to the requirements of Article 503.11 of the Standard Specification.
- 3.) Membrane Waterproofing System for Buried Structures and Geocomposite Wall Drain shall be applied to the top of the top slab and outside face of sidewalls, between inside faces of the headwalls, and removed as required to construct the top slab drain details. See Section Thru Barrels.
- 4.) Nonwoven Geotextile Fabric shall conform to the requirements of Art. 1080.01 of the Standard Specifications. The minimum weight of the fabric shall be 6 ounces per square yard.
- 5.) Precast concrete box culverts and box culvert end sections shall be backfilled with Porous Granular Embankment in the required excavation areas on the sides of the box culvert from the top of the box culvert to the bottom of the box culvert. This area of PGE is included in the Porous Granular Embankment pay item. The 6-inch thick layer of porous granular material required under the precast concrete box culvert, according to Section 540.06 of the Standard Specifications, shall also apply to the end sections. Cost of this porous granular material will not be paid for separately but shall be included in the unit price of the work for which it is required.
- 6.) Geocomposite Wall Drain shall be according to Section 591 of the Standard Specifications, except that concrete nails shall not be used in areas where it overlaps Membrane Waterproofing System for Buried Structures.
- 7.) Channel Excavation volume was calculated as the plan area of the riprap, multiplied by the height of soil measured from the top of existing ground surface to the bottom of the riprap.



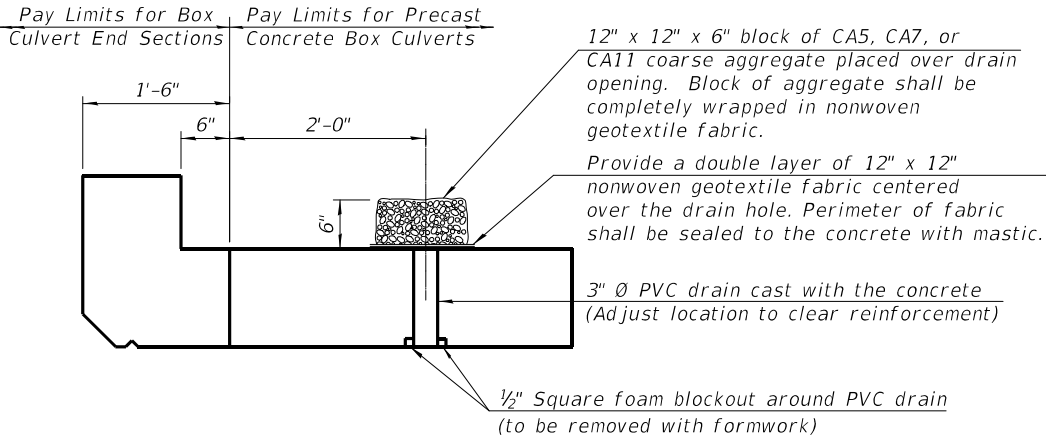
PROFILE GRADE
(Along C Roadway)



SECTION A-A

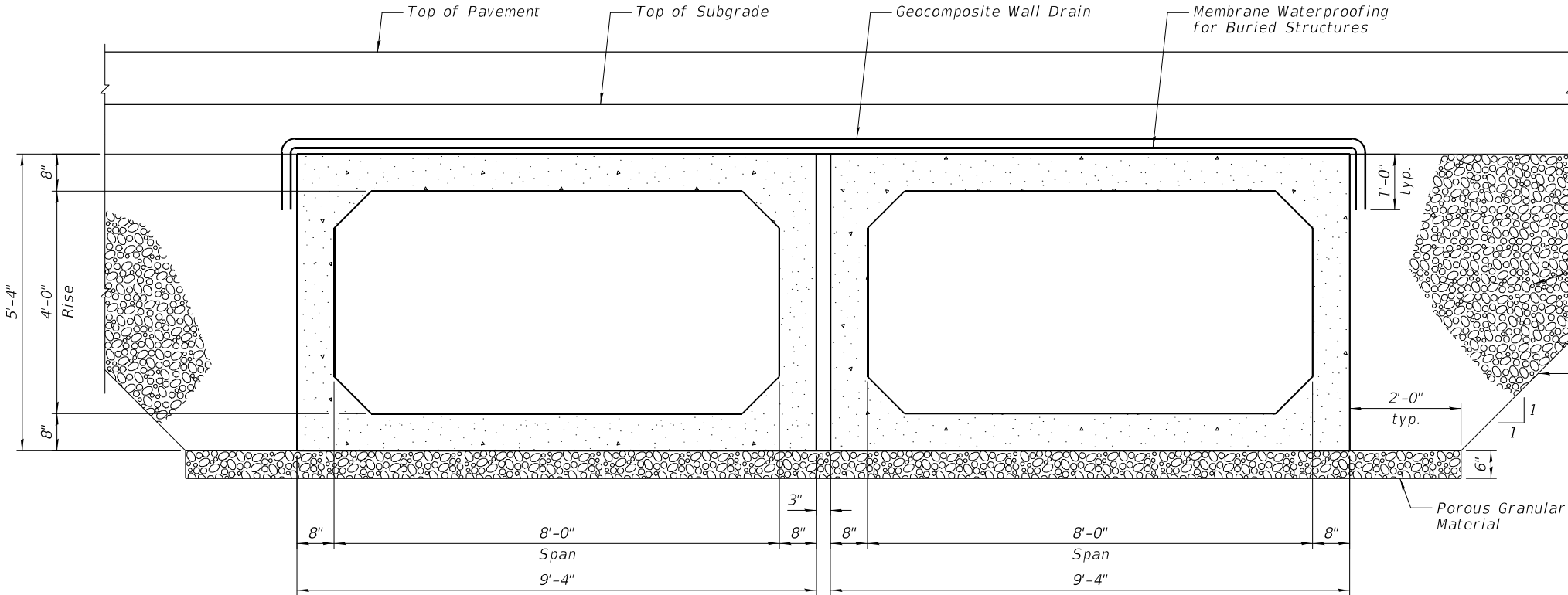


OFFSET SKETCH



DRAIN DETAIL

(All costs associated with furnishing and constructing the above drain detail will not be measured for payment but shall be included in the contract unit price for the associated work.)



SECTION THRU BARRELS

STATION 2067+91.00
BUILT 20 BY
STATE OF ILLINOIS
SEC. ROCK CUT PHASE 2-2022
LOADING HL-93
STRUCTURE NO. 101-9977

NAME PLATE
See Std. 515001

GENERAL NOTES

Box Culvert End Sections shall be constructed according to the requirements of Section 540 of the Standard Specifications except as modified herein. End sections will be paid for at the contract unit price per each for Box Culvert End Sections.

Box section dimensions, materials, and reinforcement details for Box Culvert End Sections shall be according to the requirements for ASTM C 1577 as required for the design of the portion of the culvert within the limits of Precast Concrete Box Culverts except as modified herein.

Details for Double Cell Box Culvert shown. Details for Triple Cell Box Culvert similar.

The details contained herein are for constructing the end sections using cast-in-place (CIP) construction. The Contractor may propose to furnish the end sections using precast construction methods and the end sections may consist of multiple precast concrete segments. The Contractor shall be responsible for determining all details associated with the precast option including any strengthening or stiffening provisions necessary for handling the precast segments. Conceptual details followed by shop drawings and design calculations sealed by an Illinois Licensed Structural Engineer shall be submitted to the Engineer for review and approval. Elements of the precast option shall at a minimum result in the same wingwall geometry and not have a thickness less than that detailed herein. The option to construct the end sections using precast construction methods shall be at no additional charge.

Shop drawings that detail slab thickness and reinforcement layout for the Box Culvert End Sections shall be provided to the Engineer for review and approval. Reinforcement bars not detailed herein shall be detailed with a clear distance at the end of the reinforcement not less than 1/2" nor more than 2".

The contractor may use reinforcement bars in lieu of welded wire reinforcement (WWR). Reinforcement bars shall be limited to the sizes of #3 through #5 bars, a maximum spacing of the lesser of 8" or the member thickness, and shall result in an area of reinforcement equal to or greater than that provided by the WWR. Minimum lap lengths detailed herein are applicable to WWR and reinforcement bars.

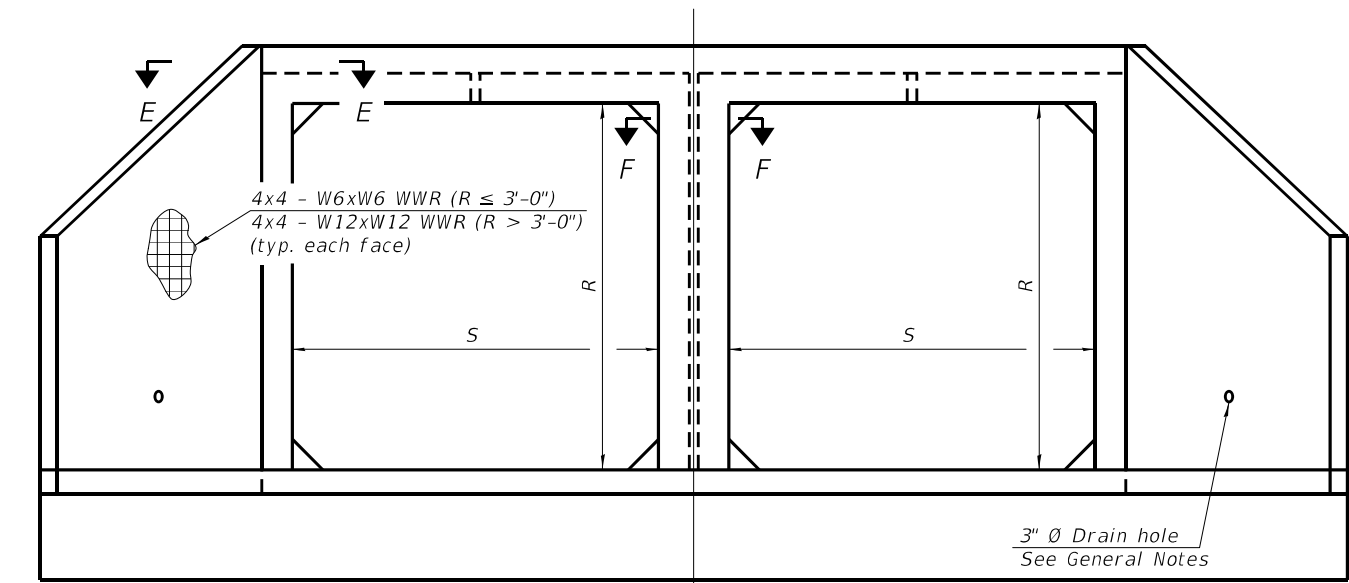
Reinforcement (circumferential and longitudinal) in the precast concrete box culvert segments immediately adjacent to the box culvert end sections that is being lapped with the end section reinforcement shall not be less than that required by ASTM C 1577 for the design fill height or the reinforcement detailed for the end section, whichever is greater.

One drain hole shall be provided in each wingwall for end sections of box culverts having an opening with a clear rise greater than 3 ft. The drain hole shall be located within 1/3 of the clear rise of the box culvert and shall conform to the requirements of Article 503.11 of the Standard Specifications.

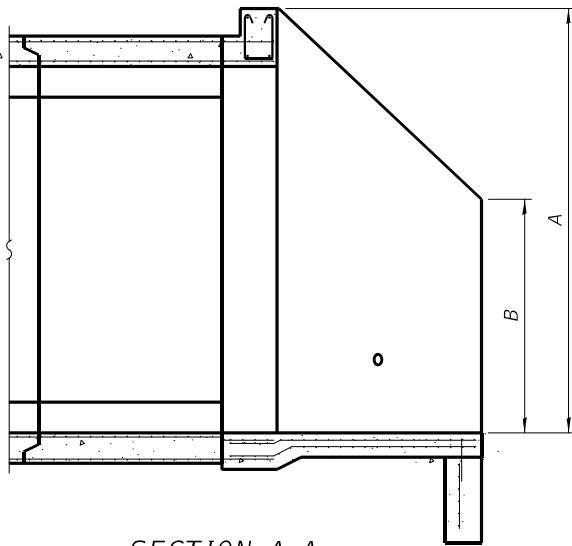
APRON END SECTION DIMENSIONS

Span (S)	Rise (R)	Tt , Tb , & Ts	A	B	C	D	Double Cell		Triple Cell	
							E	Concrete Cu. Yd.	E	Concrete Cu. Yd.
7'-0"	2'-0"	8"	3'-5"	2'-3"	2'-11 3/8"	4'-2"	23'-9"	6.6		
7'-0"	3'-0"	8"	4'-5"	2'-9"	3'-11 3/8"	5'-7"	25'-9 1/8"	8.0		
7'-0"	4'-0"	8"	5'-5"	3'-3"	4'-11 3/8"	7'-0"	27'-9 1/8"	9.5		
7'-0"	5'-0"	8"	6'-5"	3'-9"	5'-11 3/8"	8'-5"	29'- 9 1/8"	11.2		
7'-0"	6'-0"	8"	7'-5"	4'-3"	6'-11 1/2"	9'-10"	31'-9 1/4"	13.1		
8'-0"	2'-0"	8"	3'-5"	2'-3"	2'-11 3/8"	4'-2"	25'-9"	7.1		
8'-0"	3'-0"	8"	4'-5"	2'-9"	3'-11 3/8"	5'-7"	27'-9 1/8"	8.6		
8'-0"	4'-0"	8"	5'-5"	3'-3"	4'-11 3/8"	7'-0"	29'-9 1/8"	10.2		
8'-0"	5'-0"	8"	6'-5"	3'-9"	5'-11 3/8"	8'-5"	31'-9 1/8"	11.9		
8'-0"	6'-0"	8"	7'-5"	4'-3"	6'-11 1/2"	9'-10"	33'-9 1/4"	13.8		
9'-0"	2'-0"	9"	3'-6"	2'-3"	3'-0 3/4"	4'-4"	28'-3 7/8"	8.2	39'-0 7/8"	11.4
9'-0"	3'-0"	9"	4'-6"	2'-9"	4'-0 3/4"	5'-9"	30'-3 7/8"	9.7	41'-0 7/8"	13.3
9'-0"	4'-0"	9"	5'-6"	3'-3"	5'-0 3/4"	7'-2"	32'-3 7/8"	11.4	43'-0 7/8"	15.4
9'-0"	5'-0"	9"	6'-6"	3'-9"	6'-0 7/8"	8'-7"	34'-4"	13.2	45'-1"	17.6
9'-0"	6'-0"	9"	7'-6"	4'-3"	7'-0 1/8"	9'-11"	36'-2 7/8"	15.1	46'-11 5/8"	19.8
10'-0"	2'-0"	10"	3'-7"	2'-4"	3'-1 1/2"	4'-5"	30'-9 1/4"	9.2	42'-8 1/4"	13.0
10'-0"	3'-0"	10"	4'-7"	2'-10"	4'-1 1/2"	5'-10"	32'-9 1/4"	10.8	44'-8 1/4"	15.0
10'-0"	4'-0"	10"	5'-7"	3'-4"	5'-1 1/2"	7'-3"	34'-9 3/8"	12.6	46'-8 3/8"	17.2
10'-0"	5'-0"	10"	6'-7"	3'-10"	6'-1 1/2"	8'-8"	36'-9 3/8"	14.5	48'-8 3/8"	19.5
10'-0"	6'-0"	10"	7'-7"	4'-4"	7'-1 1/2"	10'-1"	38'-9 3/8"	16.6	50'-8 3/8"	22.0
11'-0"	2'-0"	11"	3'-8"	2'-4"	3'-2 1/8"	4'-7"	33'-4 1/8"	10.4	46'-5 1/8"	14.7
11'-0"	3'-0"	11"	4'-8"	2'-10"	4'-2 7/8"	6'-0"	35'-4 1/8"	12.1	48'-5 1/8"	16.9
11'-0"	4'-0"	11"	5'-8"	3'-4"	5'-2 1/4"	7'-4"	37'-2 3/4"	13.9	50'-3 3/4"	19.1
11'-0"	5'-0"	11"	6'-8"	3'-10"	6'-2 1/8"	8'-9"	39'-2 7/8"	15.8	52'-3 3/8"	21.4
11'-0"	6'-0"	11"	7'-8"	4'-4"	7'-2 1/4"	10'-2"	41'-2 7/8"	18.1	54'-3 3/8"	24.2
12'-0"	2'-0"	12"	3'-9"	2'-5"	3'-3 3/8"	4'-8"	35'-9 1/2"	11.6	50'-0 1/2"	16.5
12'-0"	3'-0"	12"	4'-9"	2'-11"	4'-3 3/8"	6'-1"	37'-9 1/2"	13.4	52'-0 1/2"	18.8
12'-0"	4'-0"	12"	5'-9"	3'-5"	5'-3 3/8"	7'-6"	39'-9 3/8"	15.4	54'-0 3/8"	21.2
12'-0"	5'-0"	12"	6'-9"	3'-11"	6'-3 3/8"	8'-11"	41'-9 3/8"	17.6	56'-0 3/8"	23.8
12'-0"	6'-0"	12"	7'-9"	4'-5"	7'-3 3/8"	10'-4"	43'-9 3/8"	19.8	58'-0 3/8"	26.6

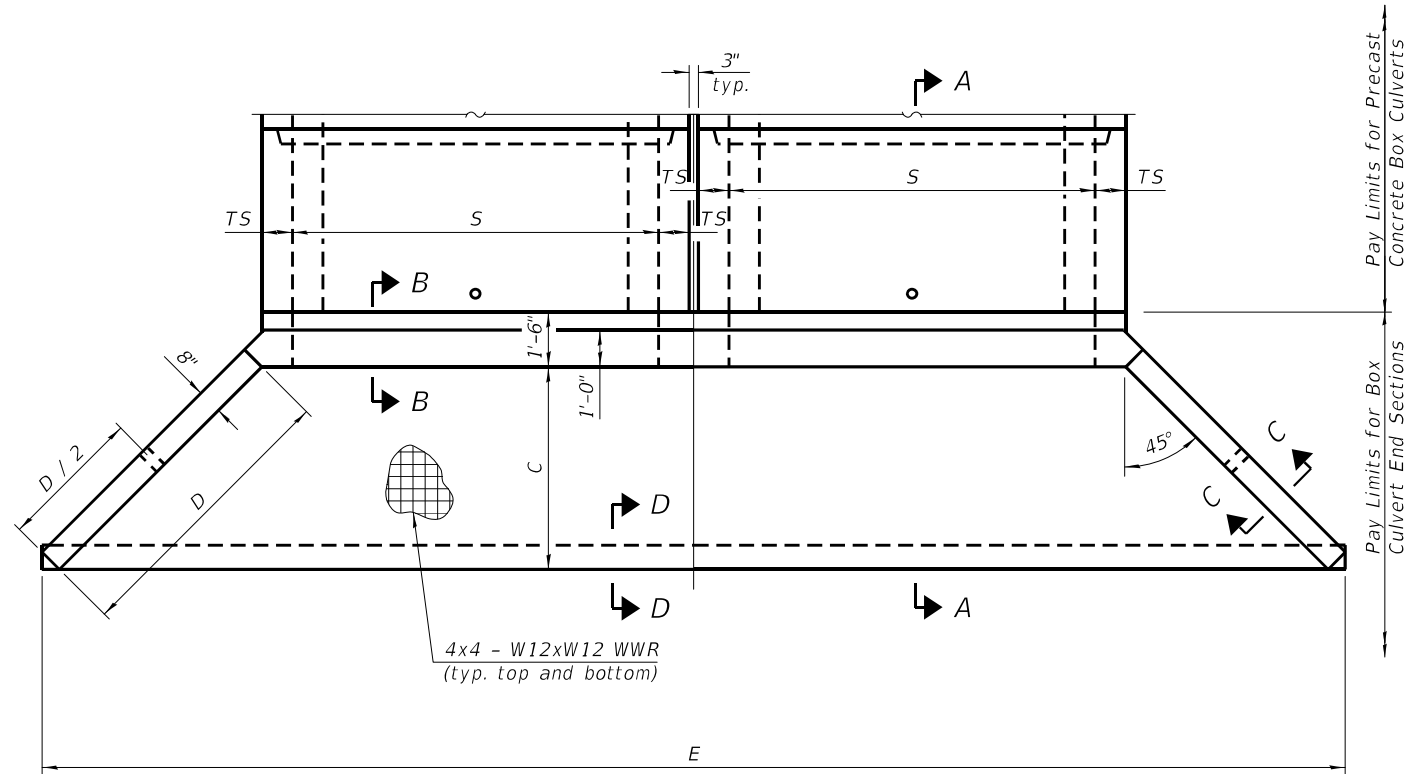
(Sheet 1 of 2)



END VIEW



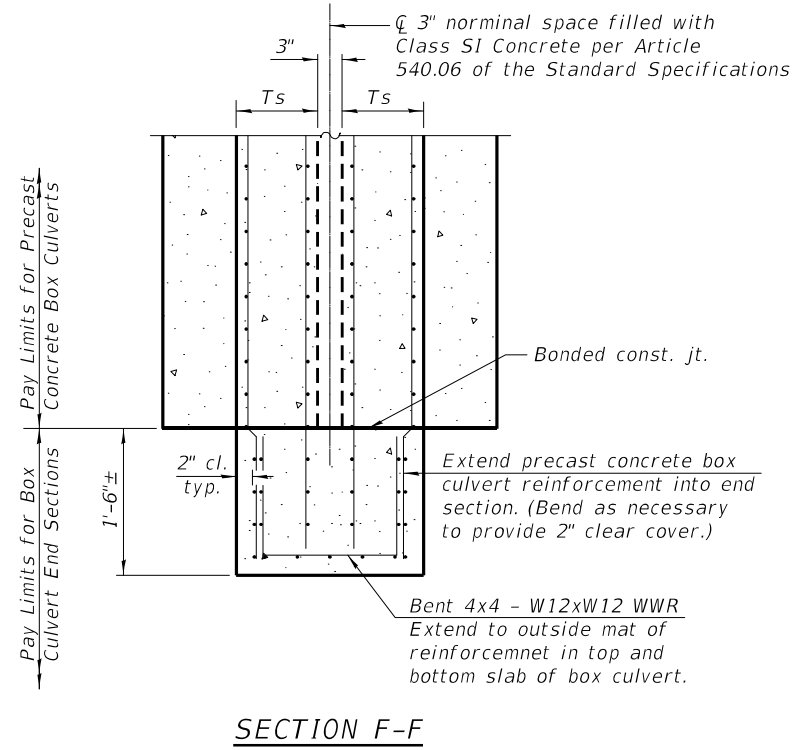
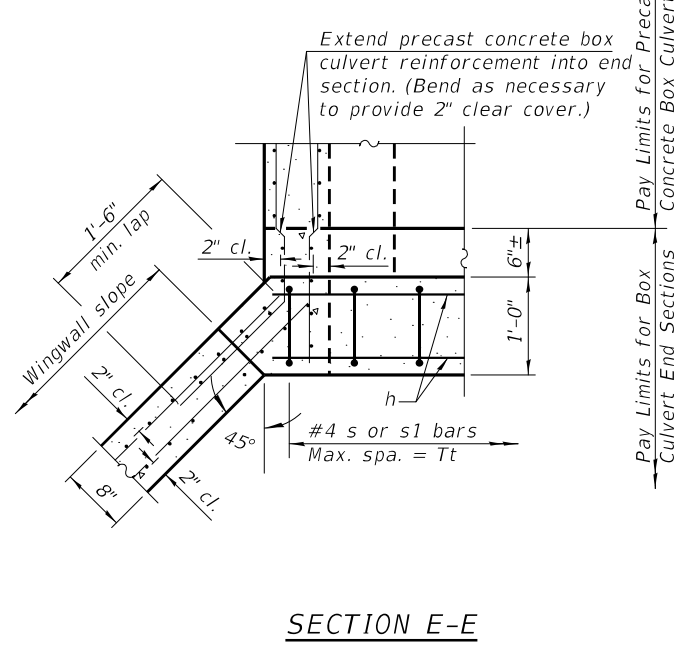
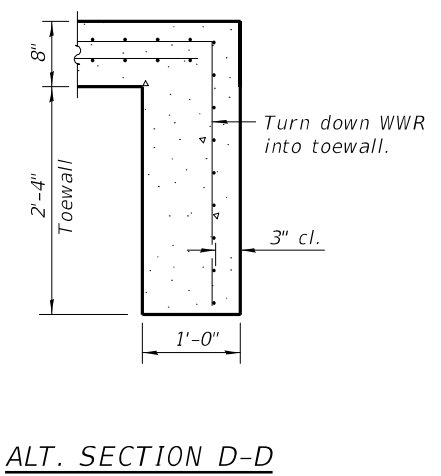
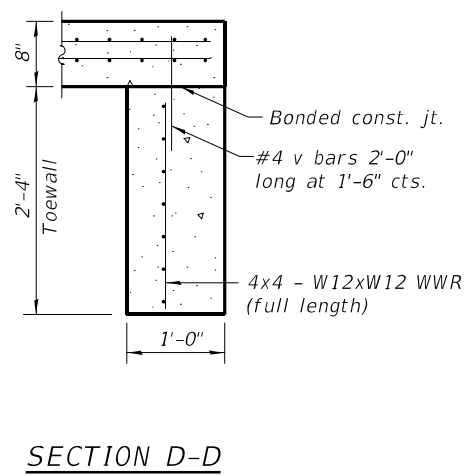
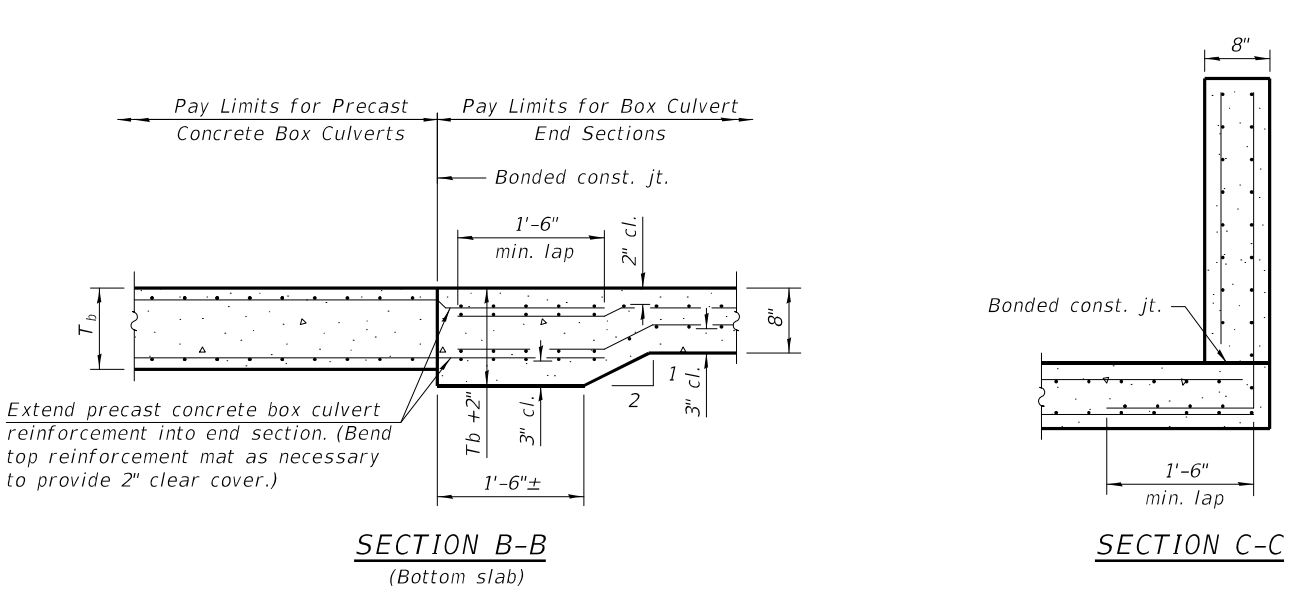
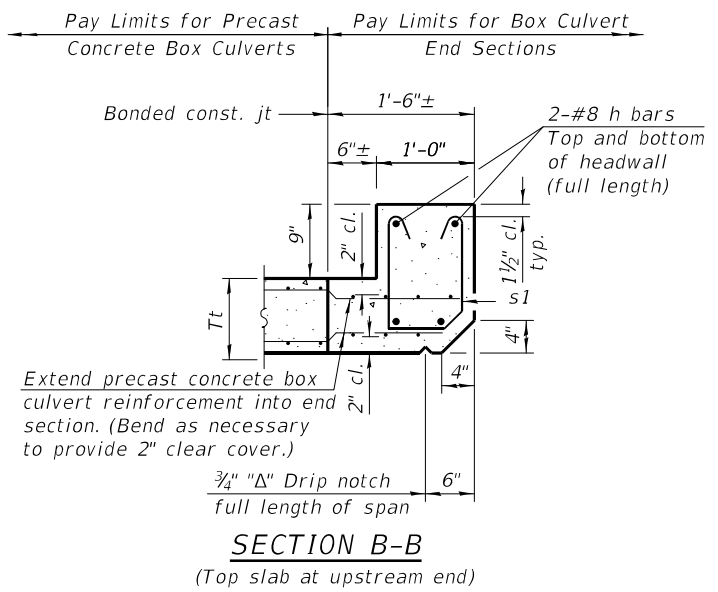
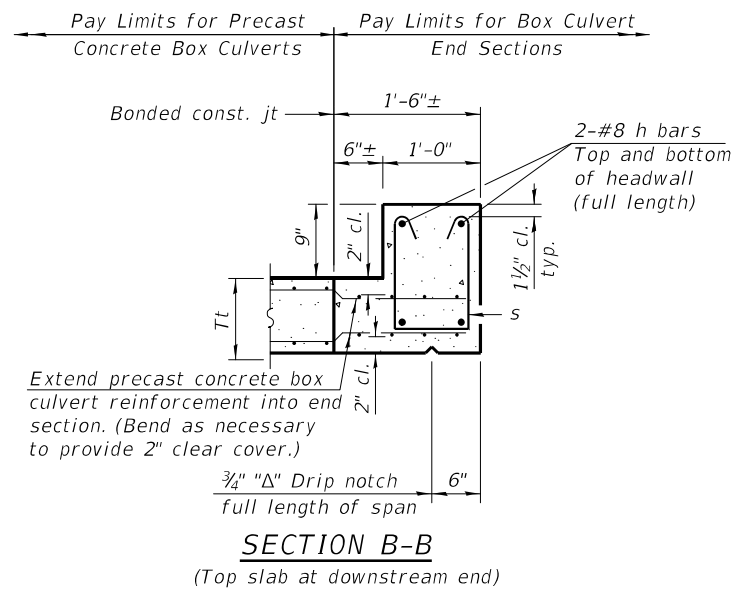
SECTION A-A



PLAN

MCB-AES

2-17-2017

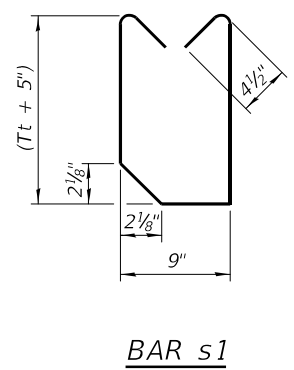
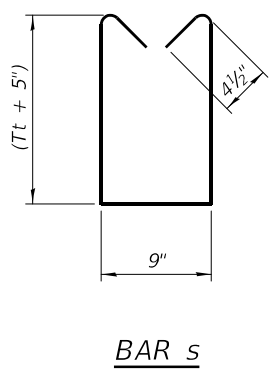


TOEWALL CONSTRUCTION SEQUENCE

1. Perform excavation and construct toewall.
2. Backfill accordingly and prepare bedding for box culvert end sections.
3. Construct remainder of box culvert end section.

Note:

If soil conditions permit, the toewall may be poured monolithically with the bottom slab of the end section using Alt. Section D-D subject to approval from the Engineer.



MCB-AES

2-17-2017

(Sheet 2 of 2)



DESIGNED - PMG	REVISED
CHECKED - JCZ	REVISED
DRAWN - DJM	REVISED
CHECKED - JML	REVISED

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MULTI-CELL PRECAST CONCRETE BOX CULVERT APRON END
SECTION DETAILS - STRUCTURE NO. 101-9977**

SHEET NO. 4 OF 5 SHEETS

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	ROCK CUT PHASE 3-2023	WINNEBAGO	139	90
			CONTRACT NO. 46934	

ILLINOIS FED. AID PROJECT

Benchmark: BM #208, Chiseled "□" on Southeast corner of wingwall of walking bridge at South low water crossing.
Elevation = 832.60, Sta. 2068+26.39, 42.99' RT.

Existing Structure: The existing structure consists of one 48" diameter, 79'-0" long corrugated metal pipe culvert.
The road will be closed and traffic detoured during construction.

No Salvage.

WATERWAY INFORMATION

Drainage Area = 0.5 Sq. Mi.			Existing Overtopping Elev. 842.6 @ Sta. 968+40 Proposed Overtopping Elev. 842.8 @ Sta. 968+40									
Flood	Freq. Yr.	Q C.F.S.	Opening Exist.	Sq. Ft. Prop.	Nat. H.W.E.	Head - Ft. Exist.	Prop.	Headwater El. Exist.	Prop.			
Five-Year	5	112	1	2	830.9	8.4	5.1	839.3	836.0			
Overtopping (Ex.)	9	141	1	4	832.5	10.1	4.3	842.6	836.8			
Design	20	203	3	6	831.7	11.0	7.3	842.7	839.0			
Overtopping (Pr.)	30	276	4	8	833.3	9.5	9.2	842.8	842.5			
Base	100	392	5	10	832.4	10.5	10.4	842.9	842.8			
Max. Calc.	500	623	8	12	832.9	10.2	10.1	843.1	843.0			

5 Yr. Velocity = 13.2 ft./sec. (Proposed)
5 Yr. Velocity = 10.4 ft./sec. (Existing)

DESIGN SPECIFICATIONS

2020 AASHTO LRFD Bridge Design Specifications, Customary U.S. Units, 9th Edition

LOADING HL-93

Allow 50#/sq. ft. for future wearing surface

DESIGN STRESSES

FIELD UNITS:

f'c = 3,500 psi
fy = 60,000 psi (Reinforcement)

PRECAST UNITS:

f'c = 5,000 psi (Precast)
fy = 60,000 psi (Reinforcement)
fy = 65,000 psi (Welded Wire Fabric)

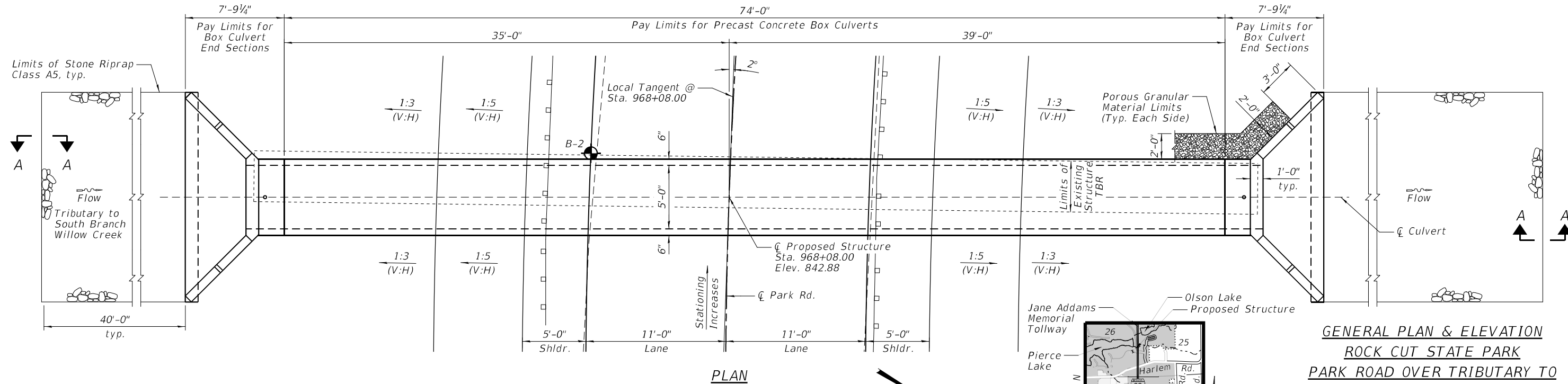
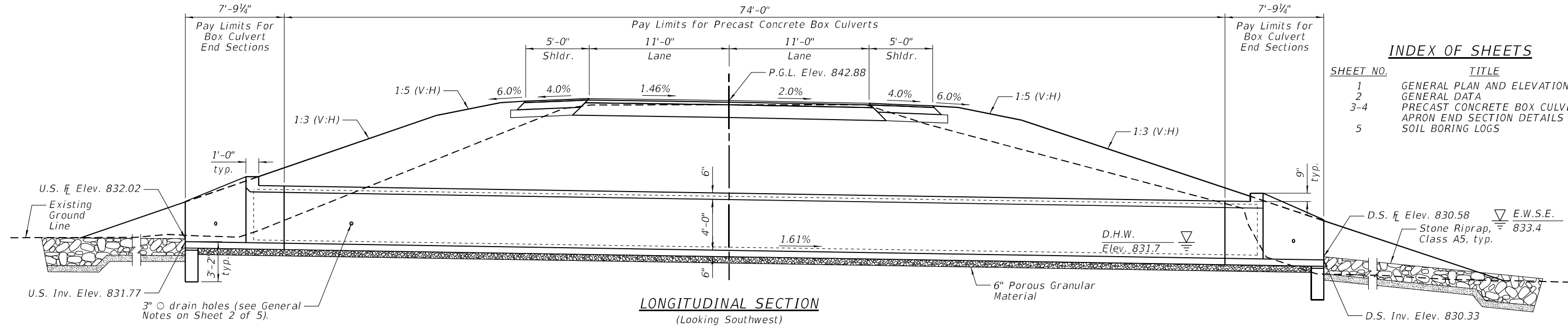
PARK ROAD HORIZONTAL

CURVE DATA

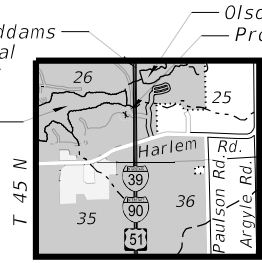
EXIST. CURVE EXPARKRD_192
PI STA. = 969+24.41
Δ = 59° 13' 34" (RT)
D = 13° 01' 18"
R = 440.00'
T = 250.09'
L = 454.82'
E = 66.11'
P.C. STA. = 967+00.00
P.T. STA. = 971+54.82

INDEX OF SHEETS

SHEET NO.	TITLE
1	GENERAL PLAN AND ELEVATION
2	GENERAL DATA
3-4	PRECAST CONCRETE BOX CULVERT
5	APRON END SECTION DETAILS SOIL BORING LOGS



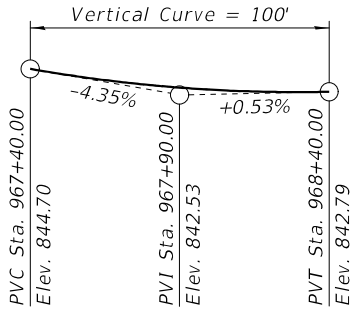
NOTE:
See Sheet 2 of 5 for Section A-A.



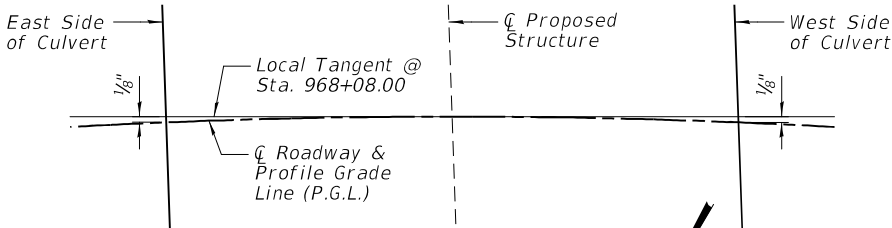
GENERAL PLAN & ELEVATION
ROCK CUT STATE PARK
PARK ROAD OVER TRIBUTARY TO
SOUTH BRANCH WILLOW CREEK
SECTION ROCK CUT PHASE 2-2022
WINNEBAGO COUNTY
STATION 968+08.00

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Channel Excavation	Cu. Yd.	140
Porous Granular Embankment	Cu. Yd.	137
Stone Riprap, Class A5	Sq. Yd.	147
Filter Fabric	Sq. Yd.	147
Pipe Culvert Removal	Foot	79
Structure Excavation	Cu. Yd.	243
Box Culvert End Sections, Culvert No. 3	Each	2
Precast Concrete Box Culverts 5' X 4'	Foot	74



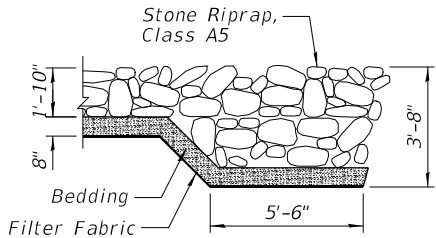
PROFILE GRADE
(Along ϕ Roadway)



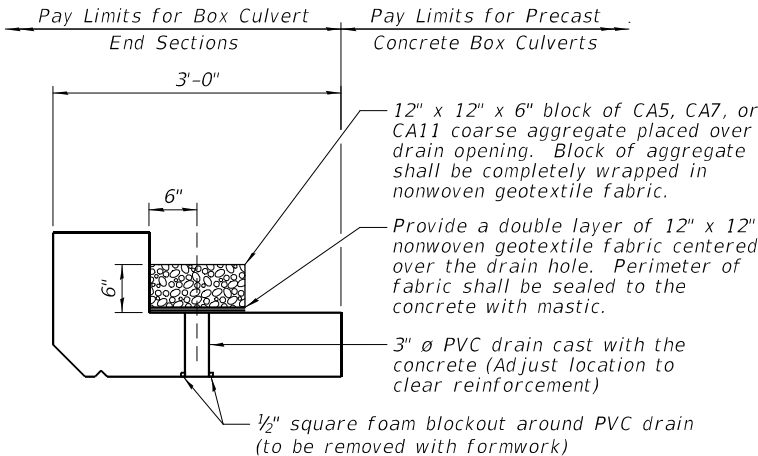
OFFSET SKETCH

GENERAL NOTES:

- 1.) The design fill height for this box is 7'-4". The Precast Box Culvert Sections shall conform to the requirements of ASTM C 1577.
- 2.) Drain holes shall be provided on exterior culvert walls for each precast box segment with a clear rise greater than 3 ft. The drain hole shall be located within 1/3 of the clear rise of the box culvert, shall not intercept the haunch, and shall conform to the requirements of Article 503.11 of the Standard Specification.
- 3.) Nonwoven Geotextile Fabric shall conform to the requirements of Art. 1080.01 of the Standard Specifications. The minimum weight of the fabric shall be 6 ounces per square yard.
- 4.) Precast concrete box culverts and box culvert end sections shall be backfilled with Porous Granular Embankment in the required excavation areas on the sides of the box culvert from the top of the box culvert to the bottom of the box culvert. This area of PGE is included in the Porous Granular Embankment pay item. The 6-inch thick layer of porous granular material required under the precast concrete box culvert, according to Section 540.06 of the Standard Specifications, shall also apply to the end sections. Cost of this porous granular material will not be paid for separately but shall be included in the unit price of the work for which it is required.
- 5.) Channel Excavation volume was calculated as the plan area of the riprap, multiplied by the height of soil measured from the top of existing ground surface to the bottom of the riprap.

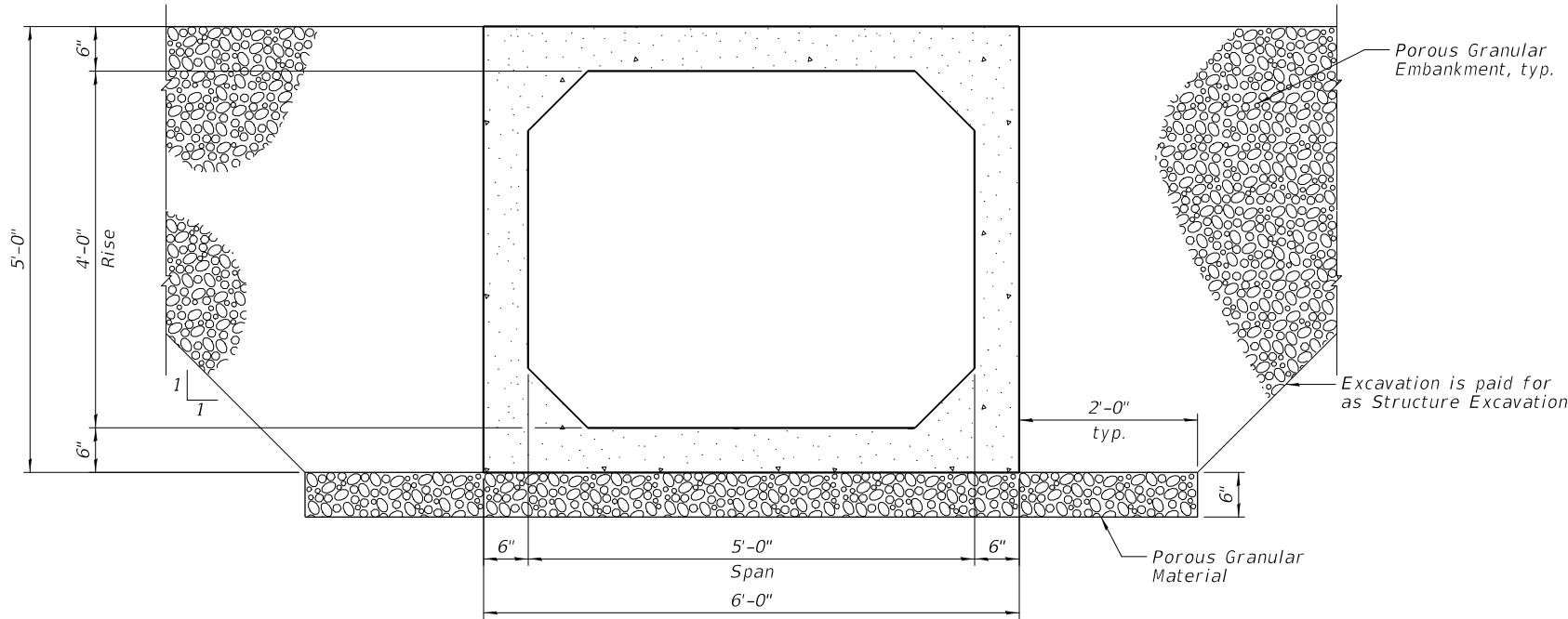


SECTION A-A

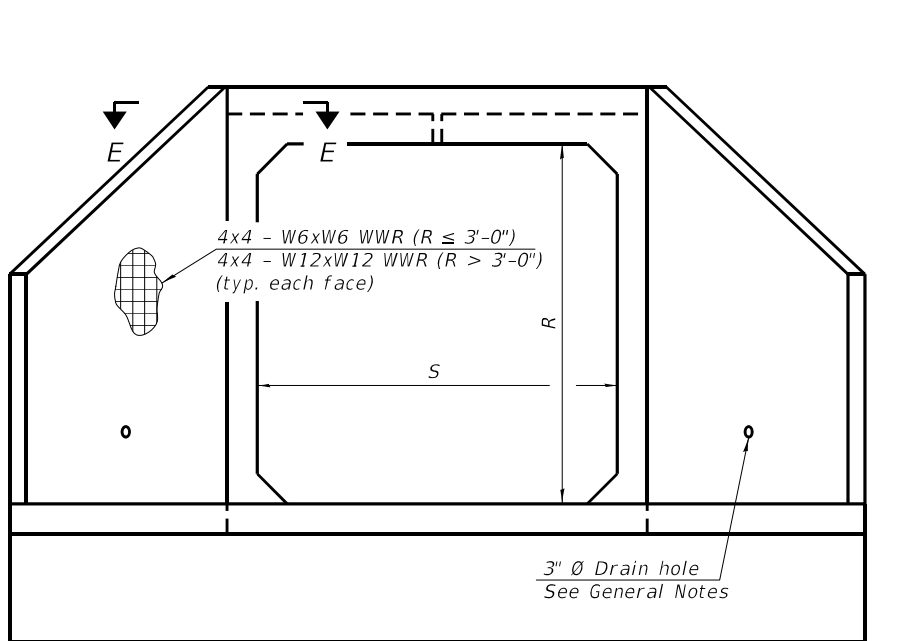


DRAIN DETAIL

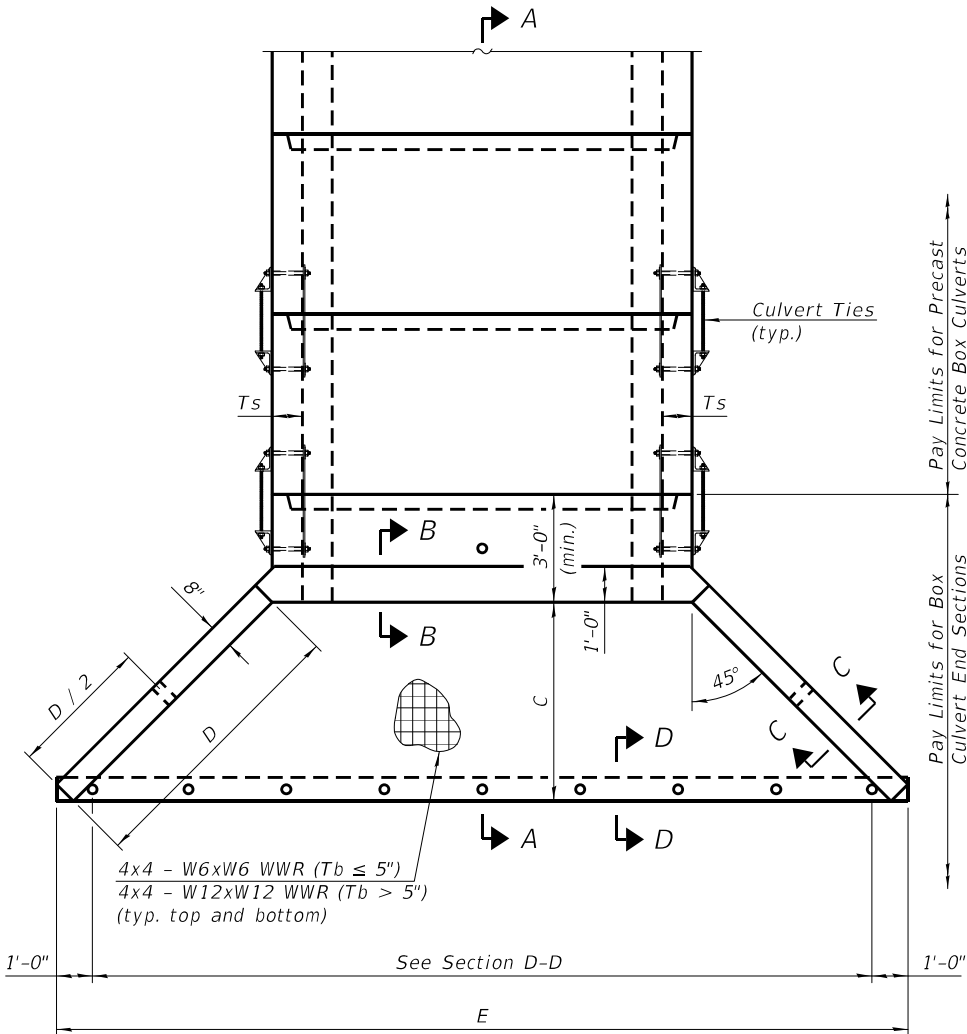
(All costs associated with furnishing and constructing the above drain detail will not be measured for payment but shall be included in the contract unit price for the associated work.)



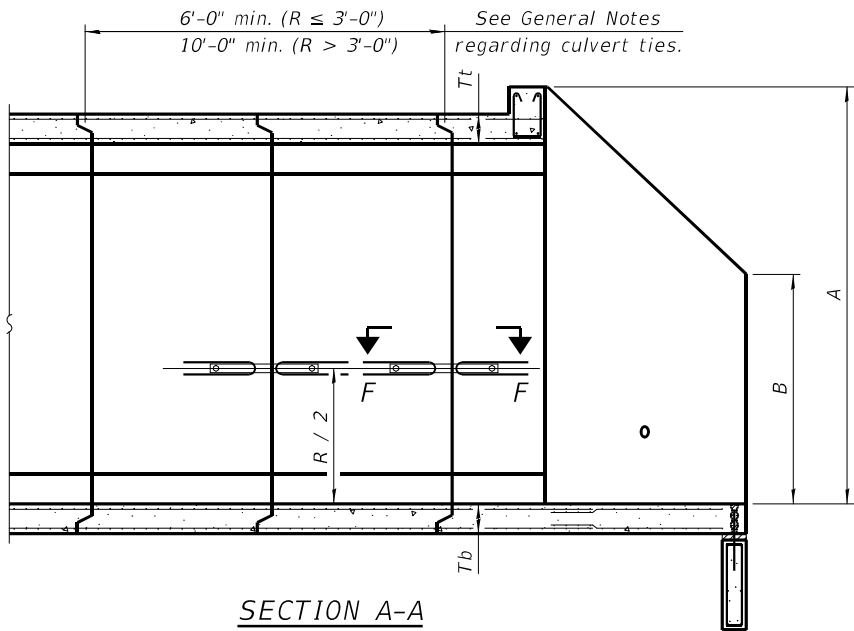
SECTION THRU BARREL



END VIEW



PLAN



SECTION A-A

GENERAL NOTES

Box Culvert End Sections shall be constructed according to the requirements of Section 540 of the Standard Specifications except as modified herein. End sections will be paid for at the contract unit price per each for Box Culvert End Sections.

The Contractor may furnish the end section as a single precast concrete piece or construct the end section in the field using cast-in-place (CIP) construction. For CIP construction, the bottom slab thickness shall be increased by 2" and the clear cover to the bottom mat of reinforcement shall be increased to 3".

Box section dimensions, materials, and reinforcement details for Box Culvert End Sections shall be according to the requirements for ASTM C 1577 as required for the design of the portion of the culvert within the limits of Precast Concrete Box Culverts except as modified herein.

The number of culvert ties shall be sufficient to engage the minimum length of culvert barrel shown within the pay limits for Precast Concrete Box Culverts and will be dependent upon the length of box culvert segments furnished by the Contractor. Culvert ties are not required for box culverts having a rise (R) less than or equal to 3 ft and a span (S) greater than or equal to 10 ft.

All costs associated with furnishing and installing or constructing the toewall and culvert ties will not be measured for payment but shall be included in the unit price for Box Culvert End Sections of the culvert number specified.

Shop drawings that detail slab thickness and reinforcement layout for the Box Culvert End Sections shall be provided to the Engineer for review and approval. Reinforcement bars not detailed herein shall be detailed with a clear distance at the end of the reinforcement not less than 1/2" nor more than 2". For the precast option, it shall be the Contractor's responsibility for determining a method of handling and a construction procedure shall be included on the shop drawings. The Contractor shall determine and detail in the shop drawings any necessary strengthening or stiffening provisions necessary to handle the precast segment. Any required modifications shall be at no extra charge.

The Contractor may use reinforcement bars in lieu of welded wire reinforcement (WWR). Reinforcement bars shall be limited to the sizes of #3 through #5 bars, a maximum spacing of the lesser of 8" or the member thickness, and shall result in an area of reinforcement equal to or greater than that provided by the WWR. Minimum lap lengths detailed herein are applicable to WWR and reinforcement bars.

Reinforcement (circumferential and longitudinal) in the culvert barrel portion of the end section being lapped with reinforcement from the wingwalls or bottom slab of the end section shall not be less than that required by ASTM C 1577 for the design fill height or the reinforcement detailed for the end section, whichever is greater.

One drain hole shall be provided in each wingwall for end sections of box culverts having an opening with a clear rise greater than 3 ft. The drain hole shall be located within the lower 1/3 of the clear rise of the box culvert and shall conform to the requirements of Article 503.11 of the Standard Specifications.

APRON END SECTION DIMENSIONS

Span (S)	Rise (R)	Tt	Tb	Ts	A	B	C	D	E	Concrete Cu. Yd.	Culvert Ties Required
3'-0"	2'-0"	7"	6"	4"	3'-4"	2'-2"	2'-10 ⁵ / ₈ "	4'-1"	10'-4 ⁵ / ₈ "	2.8	Yes
3'-0"	2'-0"	4"	4"	4"	3'-1"	2'-1"	2'-7 ¹ / ₈ "	3'-9"	9'-11"	2.3	Yes
3'-0"	3'-0"	7"	6"	4"	4'-4"	2'-8"	3'-10 ⁵ / ₈ "	5'-6"	12'-4 ⁵ / ₈ "	3.7	Yes
3'-0"	3'-0"	4"	4"	4"	4'-1"	2'-7"	3'-7 ⁷ / ₈ "	5'-2"	11'-11"	3.1	Yes
4'-0"	2'-0"	7.5"	6"	5"	3'-4 ¹ / ₂ "	2'-2 ¹ / ₂ "	2'-11 ³ / ₈ "	4'-2"	11'-8"	3.3	Yes
4'-0"	2'-0"	5"	5"	5"	3'-2"	2'-1"	2'-8 ¹ / ₂ "	3'-10"	11'-2 ³ / ₈ "	2.8	Yes
4'-0"	3'-0"	7.5"	6"	5"	4'-4 ¹ / ₂ "	2'-8 ¹ / ₂ "	3'-11 ³ / ₈ "	5'-7"	13'-8 ¹ / ₈ "	4.2	Yes
4'-0"	3'-0"	5"	5"	5"	4'-2"	2'-7"	3'-8 ¹ / ₂ "	5'-3"	13'-2 ³ / ₈ "	3.7	Yes
4'-0"	4'-0"	7.5"	6"	5"	5'-4 ¹ / ₂ "	3'-2 ¹ / ₂ "	4'-11 ³ / ₈ "	7'-0"	15'-8 ¹ / ₈ "	5.3	Yes
4'-0"	4'-0"	5"	5"	5"	5'-2"	3'-1"	4'-8 ³ / ₈ "	6'-8"	15'-2 ¹ / ₂ "	4.7	Yes
5'-0"	2'-0"	8"	7"	6"	3'-5"	2'-3"	2'-11 ³ / ₈ "	4'-2"	12'-10"	3.9	Yes
5'-0"	2'-0"	6"	6"	6"	3'-3"	2'-2"	2'-10"	4'-0"	12'-7 ¹ / ₄ "	3.5	Yes
5'-0"	3'-0"	8"	7"	6"	4'-5"	2'-9"	3'-11 ³ / ₈ "	5'-7"	14'-10 ¹ / ₈ "	4.9	Yes
5'-0"	3'-0"	6"	6"	6"	4'-3"	2'-8"	3'-10"	5'-5"	14'-7 ¹ / ₄ "	4.5	Yes
5'-0"	4'-0"	8"	7"	6"	5'-5"	3'-3"	4'-11 ³ / ₈ "	7'-0"	16'-10 ¹ / ₈ "	6.1	Yes
5'-0"	4'-0"	6"	6"	6"	5'-3"	3'-2"	4'-9 ¹ / ₄ "	6'-9"	16'-5 ¹ / ₈ "	5.5	Yes
5'-0"	5'-0"	8"	7"	6"	6'-5"	3'-9"	5'-11 ³ / ₈ "	8'-5"	18'-10 ¹ / ₈ "	7.4	Yes
5'-0"	5'-0"	6"	6"	6"	6'-3"	3'-8"	5'-9 ¹ / ₄ "	8'-2"	18'-5 ¹ / ₈ "	6.8	Yes
6'-0"	2'-0"	8"	7"	7"	3'-5"	2'-3"	2'-11 ³ / ₈ "	4'-2"	14'-0"	4.3	Yes
6'-0"	2'-0"	7"	7"	7"	3'-4"	2'-2"	2'-10 ⁵ / ₈ "	4'-1"	13'-10 ⁵ / ₈ "	4.2	Yes
6'-0"	3'-0"	8"	7"	7"	4'-5"	2'-9"	3'-11 ³ / ₈ "	5'-7"	16'-0 ¹ / ₈ "	5.4	Yes
6'-0"	3'-0"	7"	7"	7"	4'-4"	2'-8"	3'-10 ⁵ / ₈ "	5'-6"	15'-10 ⁵ / ₈ "	5.2	Yes
6'-0"	4'-0"	8"	7"	7"	5'-5"	3'-3"	4'-11 ³ / ₈ "	7'-0"	18'-0 ¹ / ₈ "	6.5	Yes
6'-0"	4'-0"	7"	7"	7"	5'-4"	3'-2"	4'-10 ³ / ₄ "	6'-11"	17'-10 ³ / ₄ "	6.5	Yes
6'-0"	5'-0"	8"	7"	7"	6'-5"	3'-9"	5'-11 ³ / ₈ "	8'-5"	20'-0 ¹ / ₈ "	8.0	Yes
6'-0"	5'-0"	7"	7"	7"	6'-4"	3'-8"	5'-10 ³ / ₄ "	8'-4"	19'-10 ³ / ₄ "	7.8	Yes
6'-0"	6'-0"	8"	7"	7"	7'-5"	4'-3"	6'-11 ¹ / ₂ "	9'-10"	22'-0 ¹ / ₄ "	9.5	Yes
6'-0"	6'-0"	7"	7"	7"	7'-4"	4'-2"	6'-10 ³ / ₄ "	9'-9"	21'-10 ³ / ₄ "	9.3	Yes
7'-0"	2'-0"	8"	8"	8"	3'-5"	2'-3"	2'-11 ³ / ₈ "	4'-2"	15'-2"	4.9	Yes
7'-0"	3'-0"	8"	8"	8"	4'-5"	2'-9"	3'-11 ³ / ₈ "	5'-7"	17'-2 ¹ / ₈ "	6.1	Yes
7'-0"	4'-0"	8"	8"	8"	5'-5"	3'-3"	4'-11 ³ / ₈ "	7'-0"	19'-2 ¹ / ₈ "	7.4	Yes
7'-0"	5'-0"	8"	8"	8"	6'-5"	3'-9"	5'-11 ³ / ₈ "	8'-5"	21'-2 ¹ / ₈ "	8.9	Yes
7'-0"	6'-0"	8"	8"	8"	7'-5"	4'-3"	6'-11 ¹ / ₂ "	9'-10"	23'-2 ¹ / ₄ "	10.6	Yes
8'-0"	2'-0"	8"	8"	8"	3'-5"	2'-3"	2'-11 ³ / ₈ "	4'-2"	16'-2"	5.3	Yes
8'-0"	3'-0"	8"	8"	8"	4'-5"	2'-9"	3'-11 ³ / ₈ "	5'-7"	18'-2 ¹ / ₈ "	6.5	Yes
8'-0"	4'-0"	8"	8"	8"	5'-5"	3'-3"	4'-11 ³ / ₈ "	7'-0"	20'-2 ¹ / ₈ "	7.8	Yes
8'-0"	5'-0"	8"	8"	8"	6'-5"	3'-9"	5'-11 ³ / ₈ "	8'-5"	22'-2 ¹ / ₈ "	9.3	Yes
8'-0"	6'-0"	8"	8"	8"	7'-5"	4'-3"	6'-11 ¹ / ₂ "	9'-10"	24'-2 ¹ / ₄ "	11.0	Yes
9'-0"	2'-0"	9"	9"	9"	3'-6"	2'-3"	3'-0 ³ / ₄ "	4'-4"	17'-6 ⁷ / ₈ "	6.2	Yes
9'-0"	3'-0"	9"	9"	9"	4'-6"	2'-9"	4'-0 ³ / ₄ "	5'-9"	19'-6 ⁷ / ₈ "	7.5	Yes
9'-0"	4'-0"	9"	9"	9"	5'-6"	3'-3"	5'-0 ³ / ₄ "	7'-2"	21'-6 ⁷ / ₈ "	9.0	Yes
9'-0"	5'-0"	9"	9"	9"	6'-6"	3'-9"	6'-0 ³ / ₈ "	8'-7"	23'-7"	10.6	Yes
9'-0"	6'-0"	9"	9"	9"	7'-6"	4'-3"	7'-0 ¹ / ₈ "	9'-11"	25'-5 ⁵ / ₈ "	12.4	Yes
10'-0"	2'-0"	10"	10"	10"	3'-7"	2'-4"	3'-1 ¹ / ₂ "	4'-5"	18'-10 ¹ / ₄ "	7.1	No
10'-0"	3'-0"	10"	10"	10"	4'-7"	2'-10"	4'-1 ¹ / ₂ "	5'-10"	20'-10 ¹ / ₄ "	8.6	No
10'-0"	4'-0"	10"	10"	10"	5'-7"	3'-4"	5'-1 ¹ / ₂ "	7'-3"	22'-10 ³ / ₈ "	10.2	Yes
10'-0"	5'-0"	10"	10"	10"	6'-7"	3'-10"	6'-1 ¹ / ₂ "	8'-8"	24'-10 ³ / ₈ "	12.0	Yes
10'-0"	6'-0"	10"	10"	10"	7'-7"	4'-4"	7'-1 ¹ / ₂ "	10'-1"	26'-10 ³ / ₈ "	13.9	Yes
11'-0"	2'-0"	11"	11"	11"	3'-8"	2'-4"	3'-2 ¹ / ₈ "	4'-7"	20'-3 ¹ / ₈ "	8.2	No
11'-0"	3'-0"	11"	11"	11"	4'-8"	2'-10"	4'-2 ¹ / ₈ "	6'-0"	22'-3 ¹ / ₈ "	9.8	No
11'-0"	4'-0"	11"	11"	11"	5'-8"	3'-4"	5'-2 ¹ / ₄ "	7'-4"	24'-1 ³ / ₄ "	11.5	Yes
11'-0"	5'-0"	11"	11"	11"	6'-8"	3'-10"	6'-2 ¹ / ₄ "	8'-9"	26'-1 ³ / ₄ "	13.3	Yes
11'-0"	6'-0"	11"	11"	11"	7'-8"	4'-4"	7'-2 ¹ / ₄ "	10'-2"	28'-1 ⁷ / ₈ "	15.5	Yes
12'-0"	2'-0"	12"	12"	12"	3'-9"	2'-5"	3'-3 ³ / ₈ "	4'-8"	21'-6 ¹ / ₂ "	9.3	No
12'-0"	3'-0"	12"	12"	12"	4'-9"	2'-11"	4'-3 ³ / ₈ "	6'-1"	23'-6 ¹ / ₂ "	11.1	No
12'-0"	4'-0"	12"	12"	12"	5'-9"	3'-5"	5'-3 ³ / ₈ "	7'-6"	25'-6 ³ / ₈ "	13.0	Yes
12'-0"	5'-0"	12"	12"	12"	6'-9"	3'-11"	6'-3 ³ / ₈ "	8'-11"	27'-6 ³ / ₈ "	14.1	Yes
12'-0"	6'-0"	12"	12"	12"	7'-9"	4'-5"	7'-3 ³ / ₈ "	10'-4"	29'-6 ³ / ₈ "	17.4	Yes

Note:

Two sets of apron end section dimensions are shown above for some box culvert sizes due to the top and bottom slabs having different thicknesses per ASTM C 1577 for design fill heights less than 2 ft.

(Sheet 1 of 2)

SCB-AES

2-17-2017



DESIGNED - PMG	REVISED
CHECKED - JCZ	REVISED
DRAWN - DJM	REVISED
CHECKED - JML	REVISED
DATE - 04/15/2022	

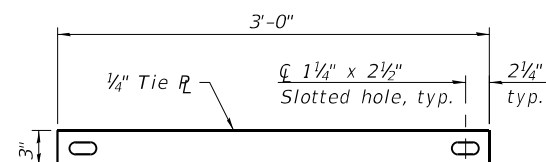
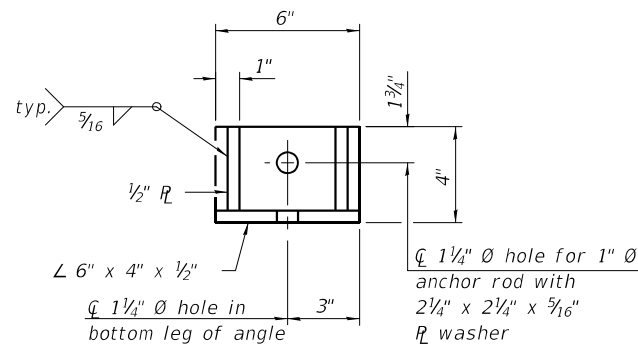
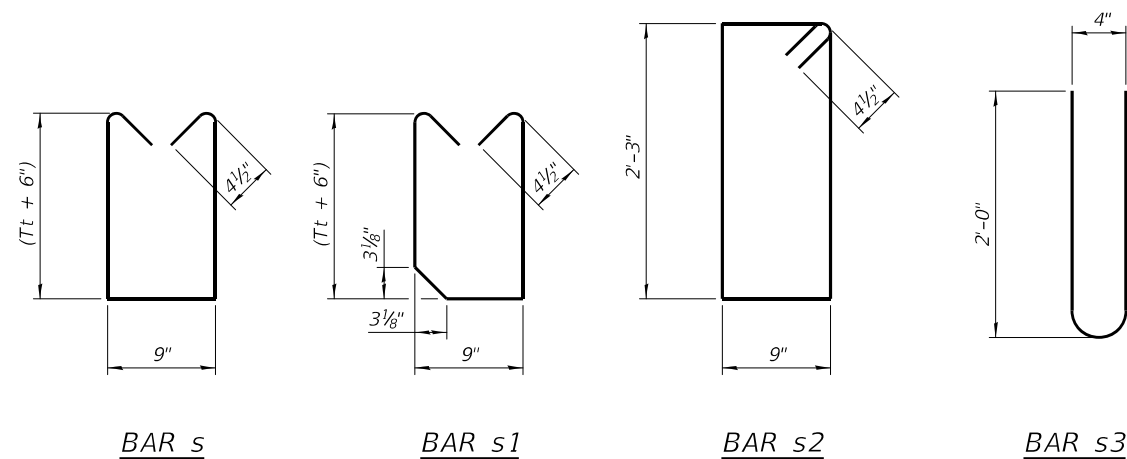
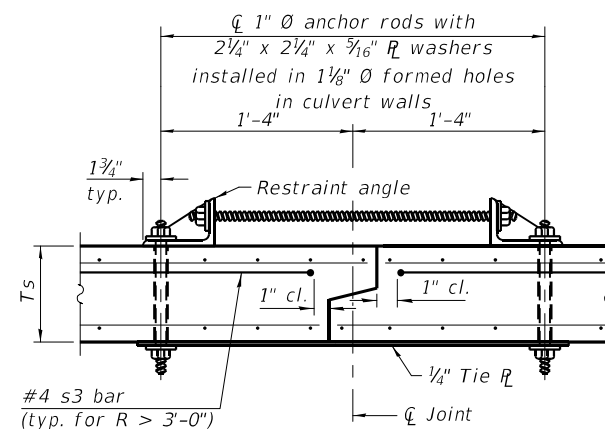
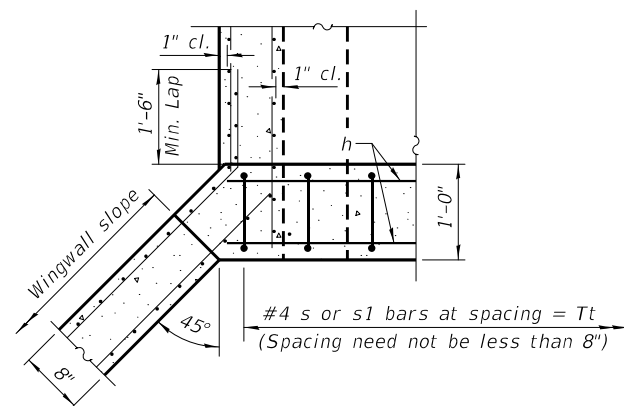
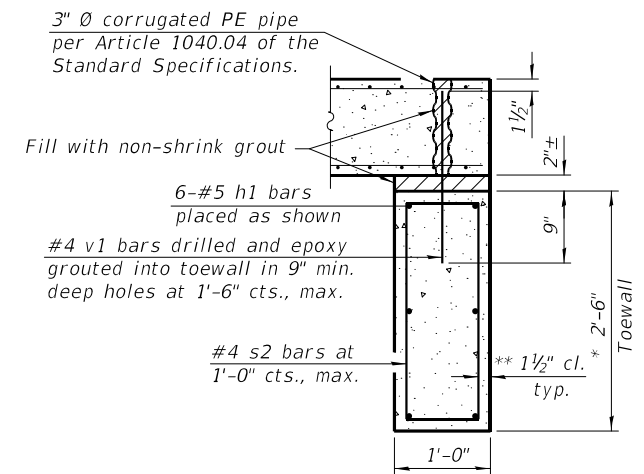
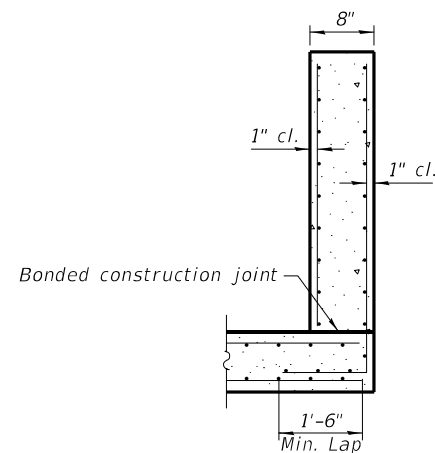
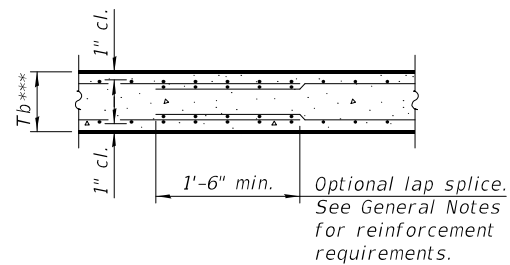
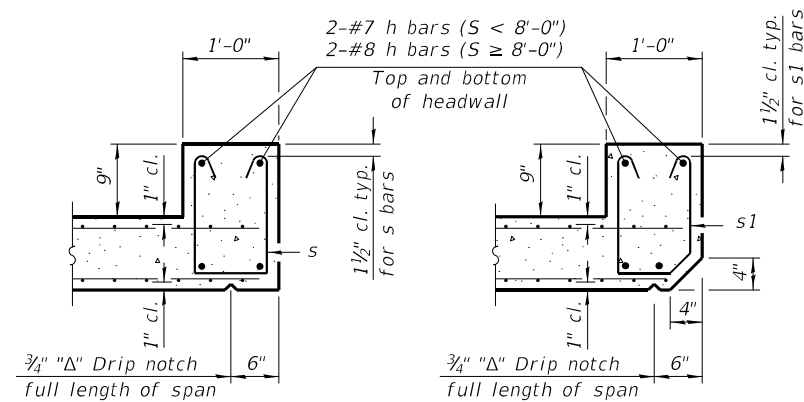
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PRECAST CONCRETE BOX CULVERT APRON END
SECTION DETAILS - STRUCTURE AT STATION 968+08.00

SHEET NO. 3 OF 5 SHEETS

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	ROCK CUT PHASE 3-2023	WINNEBAGO	139	94
			CONTRACT NO. 46934	

ILLINOIS | FED. AID PROJECT



- ### TOEWALL CONSTRUCTION SEQUENCE

1. *Perform excavation and construct toewall.*
2. *Backfill accordingly and place bedding for precast box culvert end sections.*
3. *Set precast box culvert end section.*
4. *Drill and epoxy grout reinforcement in toewall in accordance with Section 584 of the Standard Specifications.*
5. *Pressure grout voids using non-shrink grout conforming to Section 1024 of the Standard Specifications.*

* The Contractor may furnish a precast or cast-in-place toewall. The Contractor shall be responsible for the strength and stability of the precast toewall during handling. Additional lifting points may be required depending upon the length of the toewall or the Contractor may need to modify the design of the toewall for the proposed handling method.

*** If soil conditions permit, the sides of the toewall may be poured directly against the soil. The clear cover on the sides of the toewall shall be increased to 3" by increasing the thickness of the toewall.*

Notes:

1" Ø anchor rods for the culvert ties shall conform to the requirements of ASTM F1554, Grade 105. Structural steel for the tie plate and restraint angle shall conform to the requirements of Article 1006.04 of the Standard Specifications. All components of the culvert tie detail shall be galvanized according to the requirements of AASHTO M 111 or M 232 as applicable. 2½"x2¼"x⅝" plate washers shall be provided under each nut required for the anchor rods. Anchor rods connecting precast sections shall be brought to a snug tight condition followed by an additional ½ turn on one of the nuts for anchor rods installed in the walls. Match marks shall be provided on the bolt and nut to verify relative rotation between the bolt and the nut. Holes in the walls for the culvert tie assembly may be drilled using core bits in lieu of using formed holes.

Illinois Department of Transportation

Division of Highways
IDOT

SOIL BORING LOG

Page 1 of 1

Date 4/8/20

ROUTE Rock Cut State Park DESCRIPTION C30-018-18 - Culvert, 135' SW of I-90/39 Crossover LOGGED BY W. Garza

SECTION Main Park Road LOCATION Harlem, E 1/2 26. SEC. TWP. 45N. RNG. 2E

COUNTY Winnebago DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO. _____ Latitude 42° 20' 52.65" Northing 2,071,612.5230
Station _____ Longitude -88° 57' 57.00" Easting 2,621,192.8937

BORING NO. B-1
Station 967+90
Offset 6.00 ft Rt of CL
Ground Surface Elev. 100.20 ft

D E P T H S	B L O W S	U C S	M O I S T	Surface Water Elev. _____ ft	D E P T H S	B L O W S	U C S	M O I S T
H S	Qu	Qu	Qu	Stream Bed Elev. _____ ft	H S	Qu	Qu	Qu
(ft)	(/6")	(tsf)	(%)	Groundwater Elev.: _____ ft	(ft)	(/6")	(tsf)	(%)
				First Encounter _____ ft				
				Upon Completion _____ ft				
				After _____ Hrs.				
3" Asphalt Agg				VERY STIFF light gray SANDY LOAM TILL (continued)	79.20	10	2.4	9.0
						15	S	
VERY STIFF gray SANDY LOAM	8			VERY STIFF light gray SANDY LOAM TILL		12		
98.20	8	2.5	10.0			11	2.0	8.0
	11	P		76.70		17	S	
96.70								
				VERY STIFF light gray SANDY LOAM TILL		17		
STIFF/VERY STIFF gray SANDY LOAM	4				-25	22	3.0	7.0
	6	2.0	12.0			34	P	
94.20	8	P		74.20				
				End of Boring				
MEDIUM gray LOAM	1							
	2	0.8	23.0					
91.70	3	P						
SOFT gray SILTY LOAM	0				-30			
	1	0.3	23.0					
89.20	3	B						
MEDIUM gray DIRTY SANDY GRAVEL	7							
	8							
86.70	9							
VERY STIFF tan SANDY LOAM TILL	3				-35			
	7	2.4	10.0					
84.20	8	P						
VERY STIFF light gray SANDY LOAM TILL with FINE SAND LENS	7							
	10	2.5	10.0					
81.70	14	P						
	6				-40			

Northings and Eastings were calculated using the ILLIP-WF coordinate system

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

**Illinois Department
of Transportation**
Division of Highways
1007

SOIL BORING LOG

Page 1 of 1

Date 4/8/20

ROUTE Rock Cut State Park DESCRIPTION C30-018-18 - South of I-39 Crossover, 4' Pipe LOGGED BY W. Garza

SECTION Main Park Road LOCATION Harlem, E 1/2 26, SEC., TWP. 45N, RNG. 2E

COUNTY Winnebago DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO. _____ Latitude 42° 20' 52.86" Northing 2,071,634.9168
Station _____ Longitude -88° 57' 56.84" Easting 2,621,204.2037

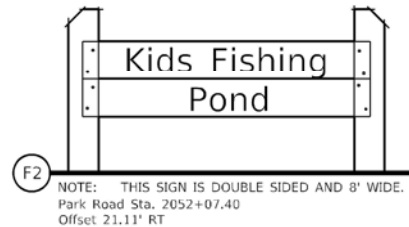
BORING NO. B-2
Station 968+11
Offset 7.00 ft Lt of CL
Ground Surface Elev. 100.00 ft

D E P T H (ft)	B L O W S (lb/ft)	U C S Qu (tsf)	M O I S T (%)	Surface Water Elev. _____ ft	Stream Bed Elev. _____ ft	D E P T H (ft)	B L O W S (lb/ft)	U C S Qu (tsf)	M O I S T (%)
				Groundwater Elev.: _____ ft	First Encounter _____ ft				
				Upon Completion _____ ft	81.5 ft				
				After _____ Hrs.					
				DENSE light gray SANDY LOAM TILL (continued)	79.00	24			
				End of Boring		22			
98.00	7								
	7								
96.50	4	2.5	7.0						
		P							
	5								
	5	2.8	11.0						
94.00	7	S							
	1								
	1								
91.50	3	0.5	23.0						
		B							
	1								
	2								
89.00	2								
	5								
	9								
86.50	11								
	6								
	7								
84.00	11	2.6	8.0						
		P							
	9								
	11								
81.50	13	3.5	9.0						
		P							
	17								
-20									

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

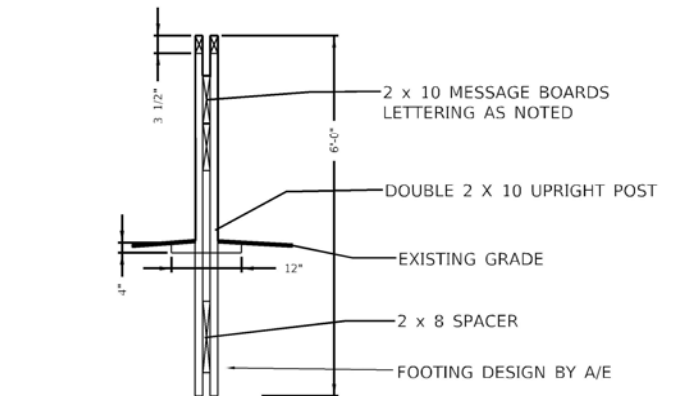
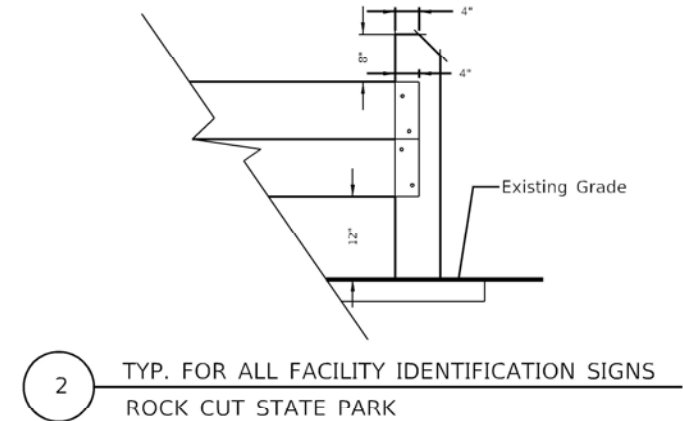
BBS, from 137 (Rev. 8-99)

Ground Surface Elevation 100.20 = 842.54 (NAVD 88)
and Elevation 100.00 = 842.52 (NAVD 88)

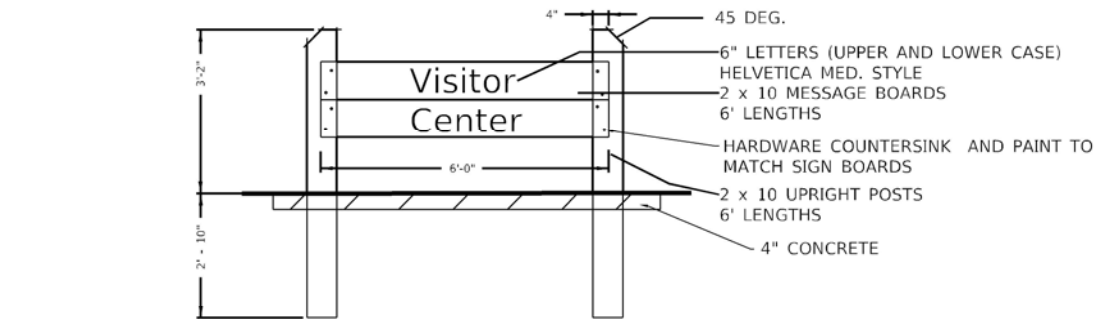


1 FACILITY AREA IDENTIFICATION SIGNAGE
ROCK CUT STATE PARK

NOTE:
CONTRACTOR SHALL PRESERVE ALL CONDUIT, WIRING AND FIXTURES IN A WORKING
CONDITION TO BE USED AT A LATER DATE. IUMINANCE TESTING SHALL BE PERFORMED
BEFORE FINAL PAYMENT

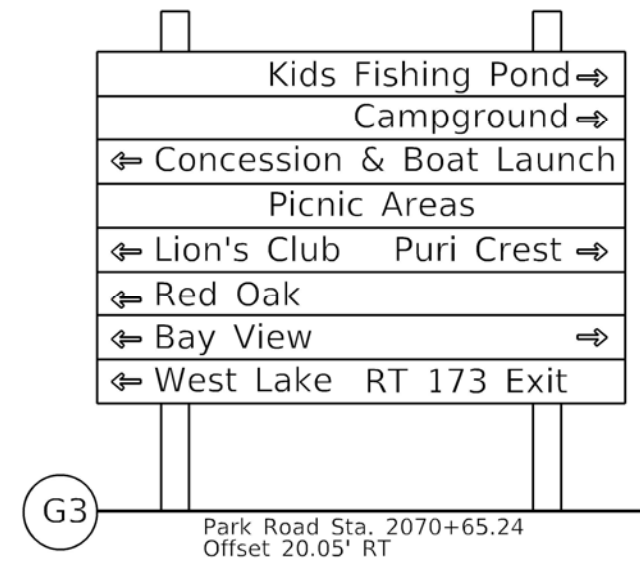
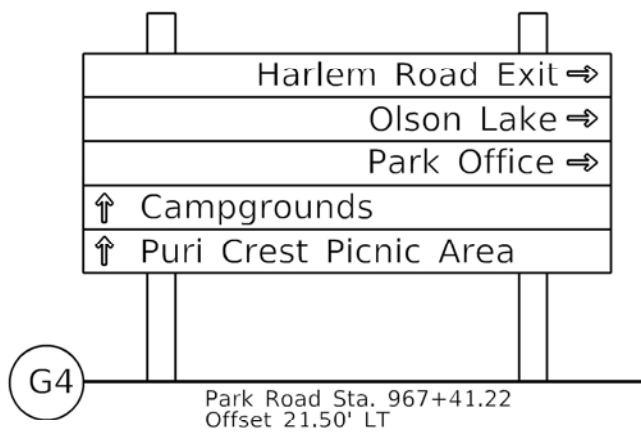
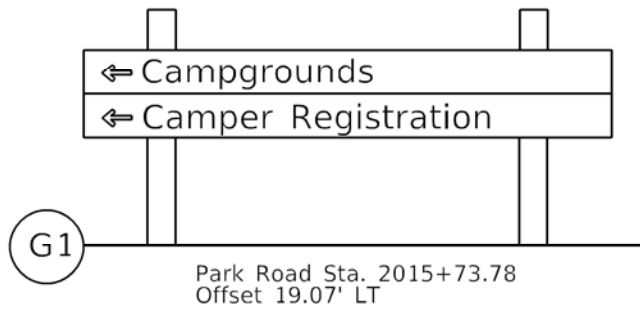


3 FACILITY IDENTIFICATION SIGN SIDE VIEW TYP. FOR ALL
ROCK CUT STATE PARK

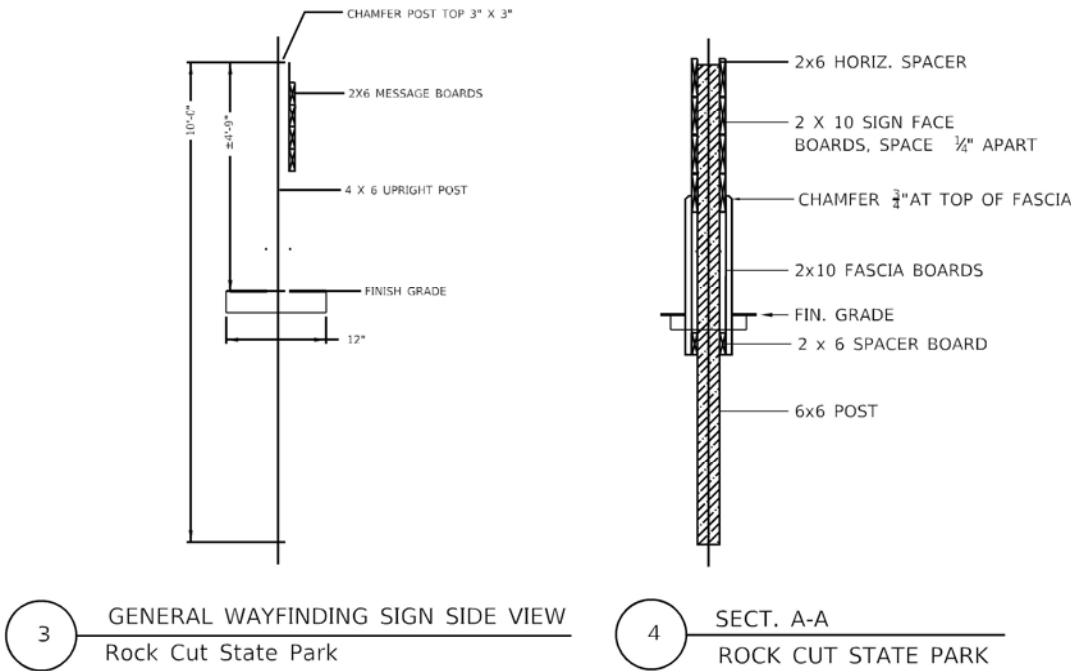
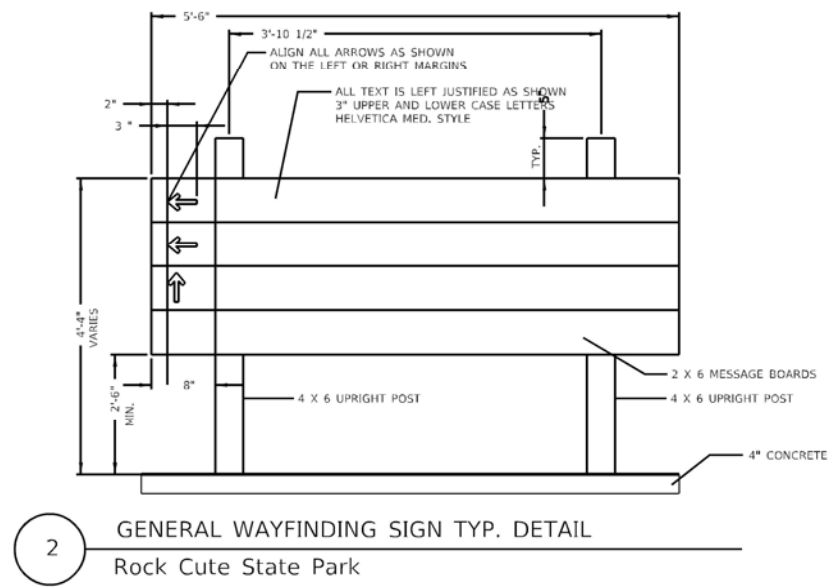


4 FACILITY IDENTIFICATION SIGN FRONT VIEW TYP. FOR ALL
ROCK CUT STATE PARK

MODEL: Default
FILE NAME: P:\13-1005-10 Rock Cut State Park\10 IDOT\CAD Sheets\CONTRACT 21024693\Sheet\signs2.dgn



1 GENERAL WAYFINDING SIGN
Rock Cut State Park



- NOTES:
- ALL LUMBER IS FIBERGLASS REINFORCED RECYCLED PLASTIC, BROWN IN COLOR WITH A WHITE CORE. SUBMIT SAMPLES TO IDNR REGION ENGINEER FOR COLOR SELECTION PRIOR TO FABRICATION.
 - ALL LETTERING IS TO BE HELVETICA MEDIUM W/UPPER AND LOWER CASE LETTERS. LETTERS ARE TO BE ENGRAVED WITH A COMPUTER OR TEMPLATE DRIVER ROUTER SYSTEM.
 - MOUNTING HARDWARE AND STEEL FASTENERS (VARIOUS TYPES & SIZES) ARE NOT SHOWN, TO BE ADDED BY A/E.
 - CONCRETE FOOTINGS ARE NOT SHOWN, TO BE DESIGNED BY A/E.
 - A/E TO VERIFY ALL DIMENSIONS, LENGTHS AND QUANTITIES
 - ALL ASSOCIATED COST TO BE INCURRED IN LUMP SUM PAY ITEM.
 - CONTRACTOR SHALL PRESERVE ALL CONDUIT, WIRING AND FIXTURES IN A WORKING CONDITION TO BE USED AT A LATER DATE. LUMINANCE TESTING SHALL BE PERFORMED BEFORE FINAL PAYMENT
 - ELECTRICAL JUNCTION BOX AND METER BEHIND SIGN SHALL REMAIN IN PLACE.

MODEL: Default
FILE NAME: P:\B-1005-10 Rock Cut State Park\BID\CAD Sheets\CONTRACT 210246930-sh-cad-signs2.dgn

Kaskaskia
Engineering Group, LLC
877 South Third Street
Suite 200
Galesburg, Illinois 61234
630.233.5907 phone
www.kaskaskiaeng.com
Professional Engineering Firm
Illinois Professional Design Firm
184000150
20-308556

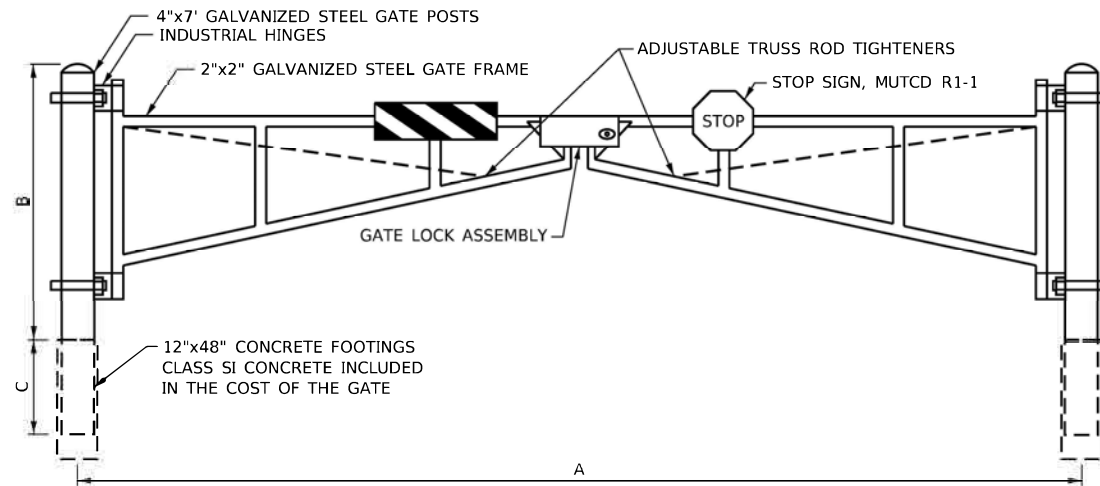
DESIGNED - BCD	REVISED -
DRAWN - KKH	REVISED -
CHECKED - LDC	REVISED -
DATE - 9/12/22	REVISED -
PLOT SCALE = 4.0000' / 1 in.	
PLOT DATE = 9/13/2022	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PARK DISTRICT SIGN DETAILS
ROCK CUT STATE PARK

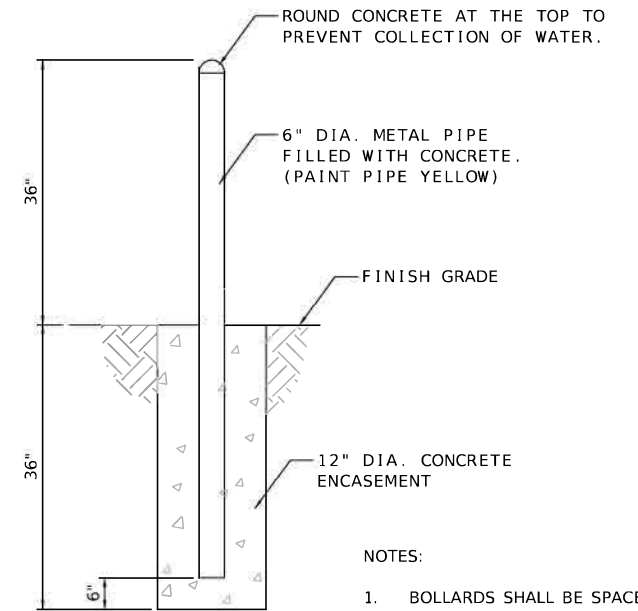
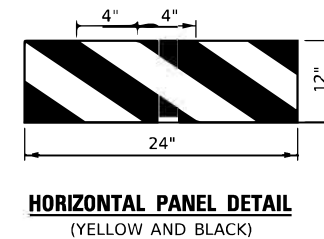
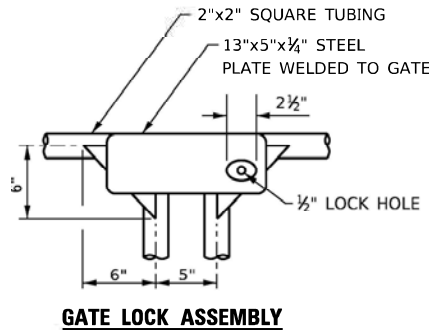
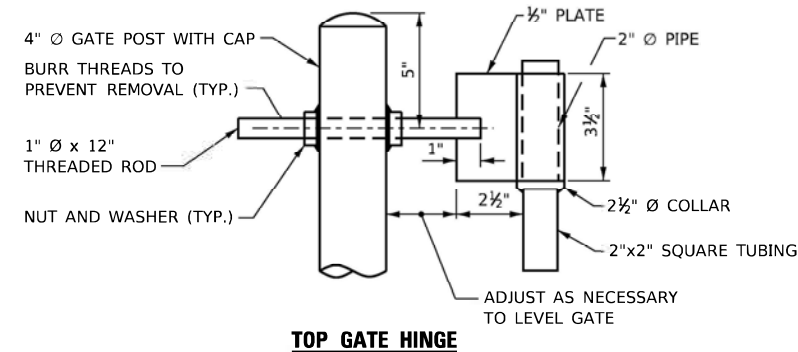
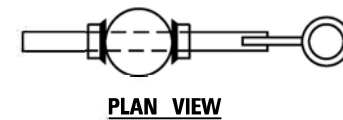
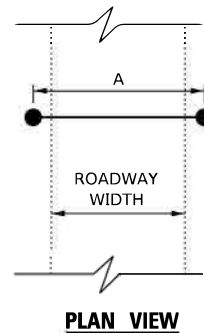
SCALE: N.T.S.	SHEET 2	OF 2	SHEETS	STA.	TO STA.
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	ROCK CUT PHASE 3 - 2023	WINNEBAGO	139	98
CONTRACT NO. 46934				
ILLINOIS FED. AID PROJECT				

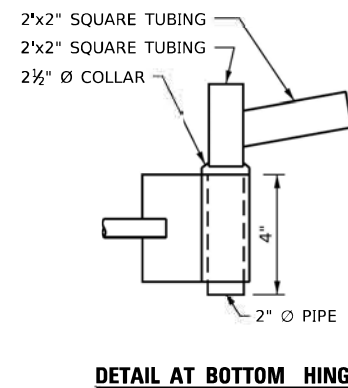
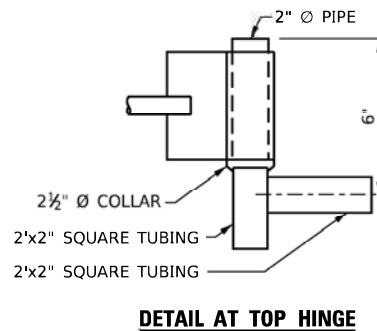
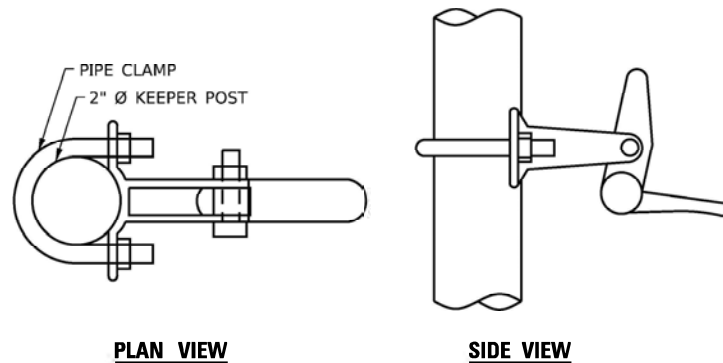


LOCATION	A	B	C
PARK ROAD	36'	4'	3'

NOTE:
CONTRACTOR SHALL VERIFY DIMENSION "A" WITH
ENGINEER PRIOR TO MANUFACTURING GATE.



- NOTES:
- BOLLARDS SHALL BE SPACED NOT MORE THAN 4' O.C.
 - BOLLARDS SHALL BE LOCATED NOT LESS THAN 1-3" FROM THE EDGE OF CONCRETE PAD.



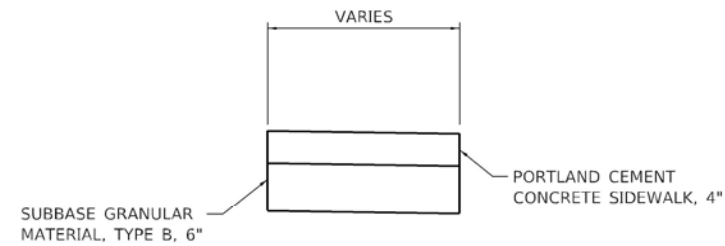
GATE DETAILS

2069 + 45.00

PIPE BOLLARD DETAIL

MODEL: Default
FILE: M1441 - 1013 - 1005 - 10 Rock Cut State Park.dwg
DOT/243 Sheets/CONTRACT 20246930-shc-detail 01.dgn

RESERVED PARKING SIGN DETAIL



RESERVED PARKING

5 FT. MIN.

3 FT. IN GROUND

REQUIRED AT EACH

TELESCOPING STEEL SIGN SUPPORT WITH 6" DIA. REINFORCED CONCRETE BASE

NOTES

THE SIGN PANEL AND SIGN SUPPORT SHALL BE PLACED AT EACH DISABLED PARKING STALL. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE FOOT FOR SIGN PANEL, TYPE 1 AND PER FOOT FOR TELESCOPING STEEL SIGN SUPPORT. MOUNT PLATE R7-101P DIRECTLY BELOW SIGN R7-8. PARKING STALL LINES AND DIAGONALS SHALL BE 4 WIDE.

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

DOT NO. 10515 (R7-8) 12"x18"

DOT NO. 10516 (R7-101P) 12"x6"

TYPE 1

\$250 FINE

12 FT. OF SIGN SUPPORT AND
2 SQ. FT. OF SIGN PANEL IS REQUIRED AT EACH
LOCATION.

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

CLASS SI CONCRETE SHALL BE USED THROUGHOUT.
ANCHOR PINS SHALL BE 3/4" DIAMETER, 36" LONG.

THE COST OF THE MATERIAL, LABOR AND EQUIPMENT NECESSARY TO INSTALL THE PARKING BLOCKS WITH ANCHOR PINS SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER EACH FOR PARKING BLOCKS.

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

* OR AS DIRECTED
BY THE ENGINEER.

REVISÉ - 10-03-11

FOR ALL SIGNS IN PAVEMENT IN RED OAK PARKING LOT, POUR CONCRETE FOUNDATIONS AROUND POSTS AND POUR CONCRETE SLAB A FOOT WIDER THAN THE SIGN AND POST 4 THICK.

LAYOUT OF PARKING STALLS AND SIGNS SHALL FOLLOW WHAT IS SHOWN IN THE PLANS UNLESS OTHERWISE SPECIFIED BY THE ENGINEER.

Diagram illustrating the layout and dimensions of a parking stall, including accessibility requirements:

- RESERVED PARKING SIGN:** Indicated above the stall.
- MIN. 5 DIAGONALS:** Requirement for the sign.
- WHITE:** Line indicating the stall boundary.
- 18.5' min:** Minimum height of the stall.
- 8.5' min:** Minimum width of the stall.
- 16' min:** Minimum width of the aisle.
- 8' min:** Minimum width of the aisle.
- YELLOW:** Line indicating the aisle boundary.
- SEE PLANS FOR STALL WIDTHS:** Reference to the plans for stall widths.
- PARKING ANGLE = 90°:** Indicated for the stall.

Diagram illustrating the dimensions and color requirements for a reserved parking space with a wheelchair symbol (accessible parking space).

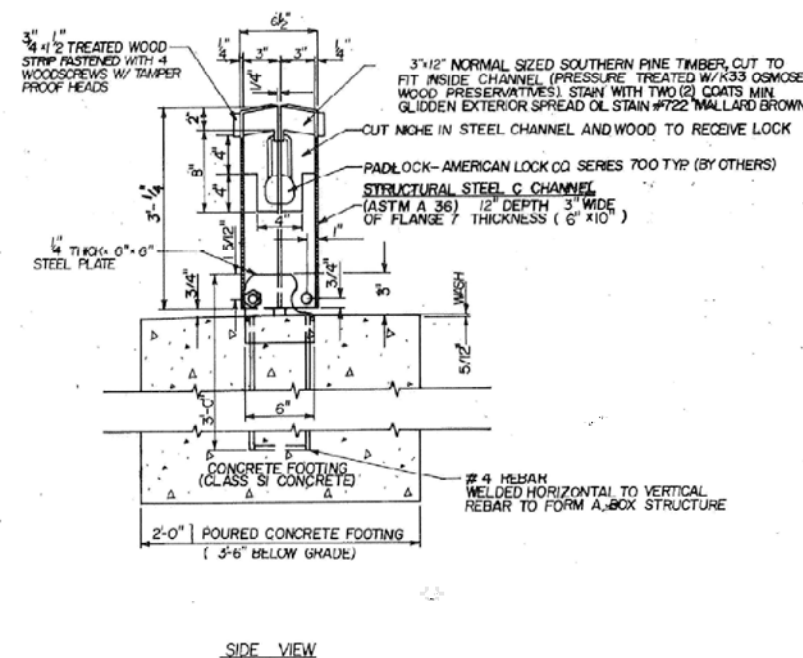
- Reserved Parking Sign:** A sign is mounted on the curb, indicating the reserved parking space.
- MIN. 5 DIAGONALS:** The reserved parking space must have a minimum of 5 diagonals.
- Dimensions:**
 - 16' min:** Minimum length of the reserved parking space.
 - 8' min:** Minimum width of the reserved parking space.
 - 0.5' min:** Minimum width of the adjacent parking spaces.
- Color Requirements:**
 - WHITE:** The adjacent parking spaces must be painted white.
 - YELLOW:** The reserved parking space must be painted yellow.
- LESS THAN 90° PARKING ANGLE:** The reserved parking space must be painted at a less than 90° parking angle.
- VAR. (SEE PLANS):** The width of the reserved parking space may vary, as indicated by the dimension line.

REVISED - 4-19-18
REVISED - 1-05-16
REVISED - 6-27-14
REVISED - 10-14-11

FASTEN SIGNS
PER DETAIL TO
OUTER FACES WITH
GALVANIZED WOOD SCREWS
W/ TRIMMER PROOF HEADS

CLIP ANGLE SPACER
WELD TO BACK OF PLATE

SIDE VIEW



NOT TO SCALE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAILS – DISTRICT 2 STANDARDS
ROCK CUT STATE PARK

SCALE:	SHEET 1	OF 1	SHEETS	STA.	TO STA.
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	ROCK CUT PHASE 3 - 2023	WINNEBAGO	139	100
		CONTRACT NO. 46934		
		ILLINOIS	FED. AID PROJECT	