

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
IDOT / IDNR STATEWIDE
KANKAKEE RIVER STATE PARK
SECTION PARK ROADS
KANKAKEE COUNTY

P.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PARK ROADS	ILLINOIS	69	1
FED. ROAD DIST. NO.		CONTRACT NO. 46302		
P-30-001-12		WILL AND KANKAKEE		

D-31

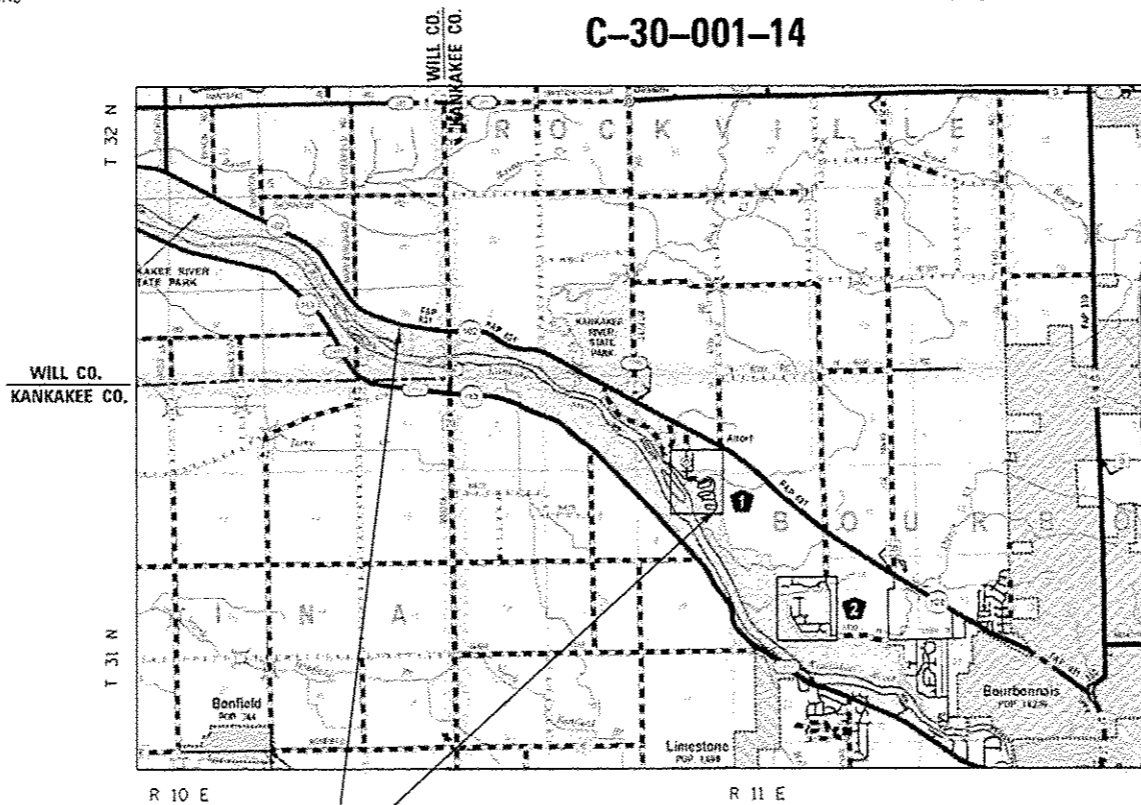
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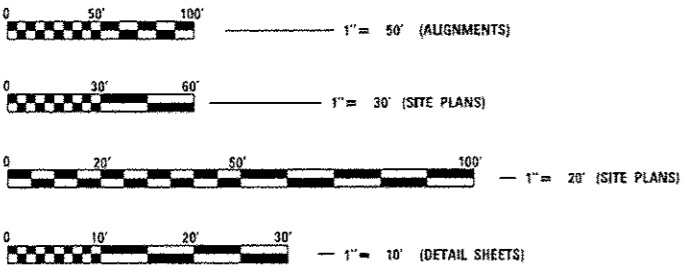
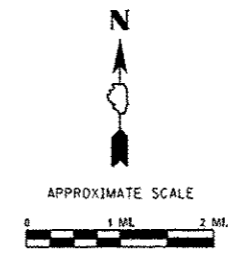
IDNR PROJECT NO. 2-12-013 (C)
C-30-001-14



PROJECT LIMITS **LOCATION MAP**



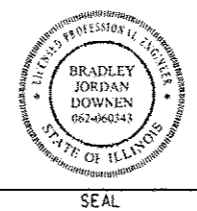
LOCATION OF SECTION INDICATED THUS: -



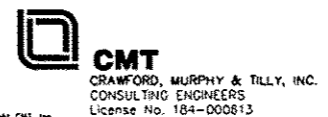
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER: SCOTT STITT (217) 785-0721
CONTRACT NO. 46302



SIGNATURE: *Brad J. Downen*
 DATE SIGNED: 03-28-2014
 LICENSE EXPIRATION DATE: 11-30-2015



STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

SUBMITTED April 2 2014
Aaron W. Barkholtz
 DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

May 9 2014
John D. Baranzelli, P.E.
 ENGINEER OF DESIGN AND ENVIRONMENT

May 9 2014
Chris Roman, P.E.
 DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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OF THE STATE OF ILLINOIS

GENERAL NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY FROM CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.31 OF THE STANDARD SPECIFICATIONS. THE CONTRACTOR SHALL CONTACT JULIE AT LEAST 48 HOURS PRIOR TO EXCAVATION TO DETERMINE WHICH UTILITIES ARE IN THE AREA.
2. THE CONTRACTOR SHALL CONFINE OPERATIONS AND MINIMIZE IMPACTS OF CONSTRUCTION ACTIVITIES OUTSIDE THE PROPOSED GRADING LIMITS DUE TO CULTURAL SENSITIVITY WITHIN THE PARK.
3. ALL EXISTING ITEMS, INCLUDING BUT NOT LIMITED TO SIGNS, BENCHES, KIOSKS, ETC., NOT MARKED FOR REMOVAL SHALL REMAIN AND BE PROTECTED BY THE CONTRACTOR FROM CONSTRUCTION OPERATIONS.
4. TREE REMOVALS AND PRUNING SHOWN IN THE PLANS SHALL BE MARKED IN THE FIELD AND VERIFIED BY THE ENGINEER PRIOR TO REMOVAL OR PRUNING BY THE CONTRACTOR. ALL TREES REMOVED SHALL BE REPLACED AT A 1:1 RATIO WITH THE SPECIES AND DISTRIBUTIONS AS SPECIFIED IN THE SUMMARY OF QUANTITIES. ALL REMAINING TREES SHALL BE PROTECTED BY THE CONTRACTOR FROM DAMAGE DUE TO HIS OPERATIONS.
5. EXISTING TREE AND VEGETATION SURVEYS SHOWN IN THE PLANS ARE PARTIAL AND REFLECT ONLY SOME OF THE LOCATIONS WHERE POTENTIAL CONFLICTS WITH THE ROADWAYS OR PARKING LOTS COULD OCCUR. SEE THE PLAN SHEETS AND CONSTRUCTION DETAILS FOR ESTIMATED TREE REMOVAL AND PRUNING LOCATIONS. ALL TREE REMOVAL AND PRUNING SHALL BE DONE ONLY AS DIRECTED BY THE ENGINEER.
6. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND THE LANDSCAPE ARCHITECT KATHY CINDRICH (815-434-8445) AT LEAST 14 DAYS IN ADVANCE OF TREE PLANTING. TREE PLANTING LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER AND THE IDNR SITE SUPERINTENDANT KATHY PANGLE.
7. THE CONTRACTOR SHALL REMOVE EXISTING TOPSOIL AND VEGETATION BENEATH NEW PAVEMENT PRIOR TO PREPARING SUBGRADE AND FILL TO REQUIRED SUBGRADE ELEVATION WITH SUITABLE COMPACTED SITE EXCAVATED MATERIAL.
8. EXCESS EXCAVATION SHALL BE DISPOSED OF OFFSITE.
9. GRADING SHALL BE DONE BY HAND AROUND LIGHT POLES, UTILITY POLES, SIGN POSTS, SHRUBS, TREES OR OTHER NATURAL OR MAN-MADE OBJECTS WHERE SHALLOW FILLS OR CUTS ARE ADJACENT TO THE ITEMS. IT IS THE INTENT THAT THE LIMITS OF CONSTRUCTION BE SUCH AS TO PRESERVE IN THE ORIGINAL STATE AS MUCH AREA AS POSSIBLE. THE DECISION AS TO ITEMS TO REMAIN IN PLACE SHALL BE DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER CUBIC YARD FOR EARTH EXCAVATION, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
10. SEEDING, INCLUDING FERTILIZER AND MULCH, SHALL BE DONE ON ALL AREAS THAT ARE DISTURBED BY CONSTRUCTION OPERATIONS AS DIRECTED BY THE ENGINEER. SEEDING SHALL BE PAID FOR ONLY WITHIN THE PROPOSED CONSTRUCTION LIMITS. ALL AREAS DISTURBED BY THE CONTRACTOR OUTSIDE THE PROPOSED CONSTRUCTION LIMITS SHALL BE SEEDED, FERTILIZED, AND MULCHED, AS DIRECTED BY THE ENGINEER, AT THE CONTRACTORS' EXPENSE.
11. THE CROSS SLOPE OF ALL PROPOSED TRAILS, SIDEWALKS, AND HANDICAP PARKING STALLS SHALL NOT EXCEED 2% FOR COMPLIANCE WITH THE AMERICANS WITH DISABILITIES ACT.
12. WHERE PROPOSED CONSTRUCTION ABUTS EXISTING APPURTENCES, A SAW CUT SHALL BE MADE TO ACHIEVE A NEAT CONSTRUCTION JOINT. SAW CUTTING WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE UNIT PRICE FOR THE ITEM BEING CONSTRUCTED.
13. THE ENGINEER SHALL CONDUCT A PATCHING SURVEY PRIOR TO ROADWAY SURFACING TO DETERMINE THE FINAL LIMITS FOR FULL-DEPTH BASE REPAIR AND PAVEMENT PATCHING ON EXISTING ROADWAYS. THE CONTRACTOR SHALL CONSTRUCT FULL-DEPTH BASE REPAIR AND PAVEMENT PATCHING ONLY AT THE DISCRETION OF THE ENGINEER.
14. ALL REINFORCING BARS SHALL BE ASTM A 706.
15. FINAL PROPOSED SIGN LOCATIONS SHALL BE DETERMINED BY THE ENGINEER.

16. PLAN DIMENSIONS AND DETAILS RELATIVE TO EXISTING PLANS ARE SUBJECT TO NOMINAL CONSTRUCTION VARIATIONS. THE CONTRACTOR SHALL FIELD VERIFY EXISTING DIMENSIONS AND DETAILS AFFECTING NEW CONSTRUCTION AND MAKE NECESSARY APPROVED ADJUSTMENTS PRIOR TO CONSTRUCTION OR ORDERING OF MATERIALS. SUCH VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION FOR A CHANGE IN SCOPE OF WORK; HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE BID FOR THE WORK.
17. WHERE SECTION OR SUB-SECTION CORNERS OR PROPERTY MARKERS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MARKERS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND PRESERVE ALL PROPERTY MARKERS UNTIL AN AUTHORIZED SURVEYOR HAS WITNESSED OR REFERENCED THEIR LOCATION.
18. FOR STABILIZATION, ALL TYPE III BARRICADES SHALL REQUIRE A MINIMUM OF FOUR SAND BAGS PER BARRICADE.
19. THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES:

GRANULAR MATERIALS	2.05 TONS / CU YD
HOT-MIX ASPHALT PAVEMENT	2.016 TON / CU YD
BITUMINOUS MATERIALS:	
PRIME COAT ON EXISTING PAVEMENT	0.05 LB / SQ FT
PRIME COAT ON NEW PAVEMENT	0.025 LB / SQ FT
PRIME COAT ON AGGREGATE	0.25 LB / SQ FT

20. MATERIAL INSPECTIONS SHALL BE COORDINATED THROUGH THE ILLINOIS DEPARTMENT OF TRANSPORTATIONS MATERIALS LAB IN KANKAKEE (815-939-4222).
21. THE CONTRACTOR SHALL NOTIFY THE ILLINOIS DEPARTMENT OF NATURAL RESOURCES KANKAKEE RIVER STATE PARK SITE SUPERINTENDENT KATHY PANGLE (815-933-1383) AT LEAST TWO WEEKS IN ADVANCE OF MOVING EQUIPMENT, MATERIALS, OR WORK FORCES TO EACH SITE. ACCESS TO THE PARK SHALL BE COORDINATED WITH THE SUPERINTENDENT, AND ALL SITES MUST BE ACCESSIBLE TO THE PARK MAINTENANCE STAFF AT ALL TIMES IN CASE OF NEED FOR EMERGENCY ACCESS.
22. CONTRACTOR SHALL INSTALL LIGHT POLES AT THE LOCATIONS INDICATED ON THE PLANS, MAINTAINING ADEQUATE CLEARANCE FROM OVERHEAD UTILITY LINES. CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY CLEARANCES PER THE NATIONAL ELECTRIC SAFETY CODE AND/OR THE REQUIREMENTS OF THE UTILITY COMPANIES. THE LOCATION OF BURIED AND ABOVE GROUND UTILITIES SHOWN ARE APPROXIMATE AND ARE SHOWN FOR INFORMATION ONLY. REROUTING, DISCONNECTION, RELOCATION, PROTECTION, ETC., OF ANY UTILITIES MUST BE COORDINATED BETWEEN THE CONTRACTOR, UTILITY COMPANY, AND OWNER. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL UNDERGROUND UTILITIES AND BURIED TROT FACILITIES PRIOR TO CONSTRUCTION.
23. CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE ELECTRICAL WORK WITH OTHER TRADES.
24. ALL PROPOSED LIGHTING UNITS SHALL BE LABELED ACCORDING TO THE STANDARD SPECIFICATIONS, WITH POLE NUMBERS ATTACHED WITH STAINLESS STEEL BANDING. LIGHTING UNIT NUMBERING SHALL BE AS DIRECTED BY THE ENGINEER.
25. THE PROPOSED LIGHTING POLES SHALL BE LOCATED AS NOTED ON THE PLANS, OR AS DIRECTED BY THE ENGINEER.
26. ALL ELECTRICAL EQUIPMENT SHALL BE INSTALLED IN CONFORMANCE WITH NFPA70 (NEC MOST CURRENT EDITION). THE RESPECTIVE EQUIPMENT MANUFACTURER'S DIRECTIONS AND ALL OTHER APPLICABLE LOCAL CODES, LAWS, ORDINANCES AND REQUIREMENTS IN FORCE. ANY INSTALLATIONS WHICH VOID U.L. LISTING (OR THIRD PARTY LISTING) AND/OR THE MANUFACTURER'S WARRANTY OF A DEVICE SHALL NOT BE PERMITTED.

COMMITMENTS

1. SINCE SUITABLE HABITAT MAY EXIST FOR THE FEDERALLY ENDANGERED INDIANA BAT, THE CONTRACTOR SHALL NOTIFY THE ILLINOIS DEPARTMENT OF NATURAL RESOURCES KANKAKEE RIVER STATE PARK SITE SUPERINTENDENT KATHY PANGLE (815-933-1383) AT LEAST TWO WEEKS IN ADVANCE OF ANY TREE REMOVAL OR PRUNING. THE FOLLOWING MEASURES SHALL BE IMPLEMENTED:
 - A. IDNR SHALL CONDUCT A FIELD VISIT BY A QUALIFIED INDIVIDUAL TO DETERMINE IF SUITABLE TREES ARE PRESENT TO PROVIDE INDIANA BAT HABITAT. SUITABLE HABITAT TREES ARE: SHAGBARK AND SHELLBARK HICKORY, LIVE OR DEAD, AND BITTERNUT HICKORY, AMERICAN ELM, SLIPPERY ELM, EASTERN COTTONWOOD, SILVER MAPLE, WHITE OAK, RED OAK, POST OAK, AND SHINGLE OAK THAT ARE DEAD WITH SLABS OR PLATES OF LOOSE OR PEELING BARK ON THE TRUNKS OR LIMBS. ALL SUITABLE TREES MUST BE AT LEAST 9 INCHES DBH (DIAMETER AT BREAST HEIGHT).
 - B. IF NO SUITABLE TREES EXIST WITHIN THE PROJECT AREA, ALL TREES ON SITE MAY BE CUT AT ANY TIME.
 - C. IF SUITABLE TREES ARE FOUND IN THE PROJECT AREA, THOSE TREES SHALL BE CLEARLY FLAGGED OR MARKED AND SHALL NOT BE CUT BETWEEN APRIL 1 AND OCTOBER 15 (CAN ONLY BE CUT DURING OCTOBER 16 TO MARCH 31). AS NOTED ABOVE, ALL NON-SUITABLE TREES MAY BE CUT AT ANY TIME.

ELECTRICAL LEGEND

⊘	EXISTING WOOD POLE WITH PROPOSED LUMINAIRE, LED, TYPE THREE DISTRIBUTION
✕	PROPOSED LIGHT POLE, WOOD, 30 FT, CLASS 5 WITH LUMINAIRE, LED, TYPE THREE DISTRIBUTION
—E—	ELECTRICAL CABLE IN CONDUIT, SIZE AS NOTED

EROSION CONTROL LEGEND

	INLET AND PIPE PROTECTION
	TEMPORARY DITCH CHECK
	PERIMETER EROSION BARRIER

MIXTURE REQUIREMENTS

MIXTURE USE	LEVEL BINDER	BINDER & PATCHES	SURFACE	HMA STABILIZATION
AC/PG ₂	PG 64-22	PG 64-22	PG 64-22	PG 64-22
DESIGN AIR VOIDS ₂	4.0% @ Ndesign = 50	4.0% @ Ndesign = 50	4.0% @ Ndesign = 50	4.0% @ Ndesign = 50 or 2.0% @ Ndesign = 30
MIXTURE COMPOSITION ₂ (GRADATION MIXTURE)	IL 9.5 FG	IL 19.0 FG	IL 9.5	IL 19.0 FG or ALL OTHER
FRICTION AGGREGATE ₂	N/A	N/A	MIX "C"	N/A SATISFACTION OF ENGINEER

SUMMARY OF QUANTITIES				KANKAKEE COUNTY		WILL COUNTY
				ROADWAY	LIGHTING	ROADWAY
CODE NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	100% STATE		
				0005	0021	0005
			<i>URBAN</i>			
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	300	300		
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	675	675		
20101100	TREE TRUNK PROTECTION	EACH	70	70		
20101300	TREE PRUNING (1 TO 10 INCH DIAMETER)	EACH	113	113		
20101350	TREE PRUNING (OVER 10 INCH DIAMETER)	EACH	138	138		
20200100	EARTH EXCAVATION	CU YD	3,030	3,030		
* 20200200	ROCK EXCAVATION	CU YD	50	50		
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	400	400		
20400800	FURNISHED EXCAVATION	CU YD	418	418		
20800150	TRENCH BACKFILL	CU YD	22.0	22.0		
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SO YD	1,150	1,150		
21101615	TOPSOIL FURNISH AND PLACE, 4"	SO YD	4,267	4,267		
21400100	GRADING AND SHAPING DITCHES	FOOT	2,125	2,125		
25000110	SEEDING, CLASS 1A	ACRE	3.50	3.50		

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** Specialty Items*

FILE NAME =	USER NAME = Brad Downen	DESIGNED - MJO	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES KANKAKEE RIVER STATE PARK		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
L:\1007\1106610\WD.17\Draw\C400.Sheets\046302.sht SummaryOfQuantities.dgn	DRAWN - RAH	REVISOR -				PARK ROADS	*	59	3		
PLOT SCALE = 1/8" = 100.0000' / in.	CHECKED - BJD	REVISOR -			SCALE: N.T.S.	SHEET 1 OF 9 SHEETS	STA.	TO STA.	* WILL AND KANKAKEE	CONTRACT NO. 46302	
PLOT DATE = 3/28/2014	DATE - 3/28/2014	REVISOR -							ILLINOIS FED. AID PROJECT		

SUMMARY OF QUANTITIES				KANKAKEE COUNTY		WILL COUNTY
				ROADWAY	LIGHTING	ROADWAY
CODE NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	100% STATE		
				0005	0021	0005
			<i>URBAN</i>			
44201721	CLASS D PATCHES, TYPE III, 6 INCH	SQ YD	160	160		
44201723	CLASS D PATCHES, TYPE IV, 6 INCH	SQ YD	1,516	1,516		
44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	4,137	4,137		
48101200	AGGREGATE SHOULDERS, TYPE B	TON	59.1	59.1		
48101500	AGGREGATE SHOULDERS, TYPE B 6"	SQ YD	3,394	3,394		
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	323.8	323.8		
50102400	CONCRETE REMOVAL	CU YD	6.0	6.0		
50105220	PIPE CULVERT REMOVAL	FOOT	362	362		
50200100	STRUCTURE EXCAVATION	CU YD	331	331		
50300225	CONCRETE STRUCTURES	CU YD	50.8	50.8		
50800105	REINFORCEMENT BARS	POUND	4,550	4,550		
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	1,340	1,340		
542A5485	PIPE CULVERTS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 30"	FOOT	58	58		
542C0213	PIPE CULVERTS, CLASS C, TYPE 1 8"	FOOT	298	298		

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SUMMARY OF QUANTITIES				KANKAKEE COUNTY		WILL COUNTY
				ROADWAY	LIGHTING	ROADWAY
				100% STATE		
CODE NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	0005	0021	0005
			<i>URBAN</i>			
542D0223	PIPE CULVERTS, CLASS D, TYPE 1 18"	FOOT	14	14		
54213453	END SECTIONS 18"	EACH	2	2		
54214515	PRECAST REINFORCED CONCRETE FLARED END SECTION, EQUIVALENT ROUND-SIZE 30"	EACH	4	4		
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	27.6	27.6		
60100060	CONCRETE HEADWALLS FOR PIPE DRAINS	EACH	12	12		
60100072	SHOULDER REMOVAL AND REPLACEMENT 5"	FOOT	258	258		
60108100	PIPE UNDERDRAINS 4" (SPECIAL)	FOOT	656	656		
60209005	CATCH BASINS, TYPE C, WITH MEDIAN INLET (604101)	EACH	2	2		
60235300	INLETS, TYPE A, TYPE 1 FRAME, CLOSED LID	EACH	1	1		
60500050	REMOVING CATCH BASINS	EACH	2	2		
60617510	PAVED DITCH, TYPE B-30	FOOT	129	129		
63200310	GUARDRAIL REMOVAL	FOOT	217	217		
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	12	12		
67100100	MOBILIZATION	L SUM	1	1		

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SUMMARY OF QUANTITIES					KANKAKEE COUNTY		WILL COUNTY
					ROADWAY	LIGHTING	ROADWAY
CODE NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	100% STATE			
				0005	0021	0005	
			<i>URBAN</i>				
72000100	SIGN PANEL - TYPE 1	SO FT	156	156			
72400710	RELOCATE SIGN PANEL - TYPE 1	SO FT	3	3			
73000100	WOOD SIGN SUPPORT	FOOT	428	428			
78001100	PAINT PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	48	48			
78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	7,950	7,210		740	
78001130	PAINT PAVEMENT MARKING - LINE 6"	FOOT	170	170			
78001150	PAINT PAVEMENT MARKING - LINE 12"	FOOT	196	196			
78001180	PAINT PAVEMENT MARKING - LINE 24"	FOOT	74	74			
78200420	GUARDRAIL MARKERS, TYPE B	EACH	10	10			
81028340	UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.	FOOT	1,845		1,845		
81702110	ELECTRICAL CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	5,607		5,607		
83057012	LIGHT POLE, WOOD, 30 FOOT, CLASS 5	EACH	6		6		
A2000116	TREE, ACER X FREEMANII AUTUMN BLAZE (AUTUMN BLAZE FREEMAN MAPLE), 2" CALIPER, BALLED AND BURLAPPED	EACH	8	8			
A2001716	TREE, ACER SACCHARUM (SUGAR MAPLE), 2" CALIPER, BALLED AND BURLAPPED	EACH	8	8			

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Rev.

SUMMARY OF QUANTITIES				KANKAKEE COUNTY		WILL COUNTY
				ROADWAY	LIGHTING	ROADWAY
CODE NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	100% STATE		
				0005	0021	0005
			<i>URBAN</i>			
* A2002916	TREE, CELTIS OCCIDENTALIS (COMMON HACKBERRY), 2" CALIPER, BALLED AND BURLAPPED	EACH	8	8		
* A2006414	TREE, QUERCUS ALBA (WHITE OAK), 1-3/4" CALIPER, BALLED AND BURLAPPED	EACH	8	8		
* A2006712	TREE, QUERCUS MACROCARPA (BUR OAK), 1-1/2" CALIPER, BALLED AND BURLAPPED	EACH	8	8		
* A2006814	TREE, QUERCUS MUEHLENBERGII (CHINKAPIN OAK), 1-3/4" CALIPER, BALLED AND BURLAPPED	EACH	8	8		
* A2007112	TREE, QUERCUS RUBRA (RED OAK), 1-1/2" CALIPER, BALLED AND BURLAPPED	EACH	8	8		
* A2007816	TREE, TILIA AMERICANA (AMERICAN LINDEN/ BASSWOOD), 2" CALIPER, BALLED AND BURLAPPED	EACH	7	7		
* A2016614	TREE, QUERCUS ELLIPSOIDALIS (HILL'S OAK), 1-3/4" CALIPER, BALLED AND BURLAPPED	EACH	7	7		
X0300019	REMOVE AND REINSTALL PARKING BLOCKS	EACH	131	112		19
X0300249	REMOVE EXISTING GATE	EACH	2	2		
X0301339	REMOVE EXISTING PARKING BLOCKS	EACH	118	118		
X0301430	PRECAST CONCRETE PARKING BLOCK	EACH	137	137		
X0323013	TUBULAR STEEL GATE	EACH	2	2		
X0325800	PARKING LOT SEAL COAT	SQ YD	10,803			10,803
X0326218	FIBER MODIFIED ASPHALT CRACK SEALING	FOOT	2,590	2,590		

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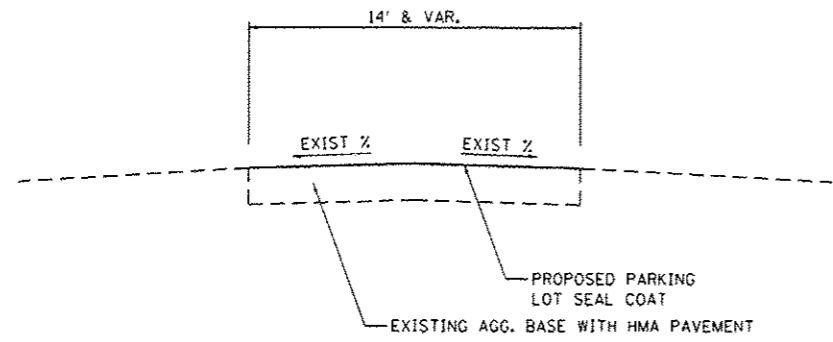
* Specialty Items

SUMMARY OF QUANTITIES				KANKAKEE COUNTY		WILL COUNTY
				ROADWAY	LIGHTING	ROADWAY
CODE NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	100% STATE		
				0005	0021	0005
			<i>URBAN</i>			
X0327590	LOCATING UNDERGROUND UTILITIES	L SUM	1	1		
X0350805	FOLD DOWN BOLLARDS	EACH	3	3		
X0350810	BOLLARD REMOVAL	EACH	3	3		
X2020410	EARTH EXCAVATION (SPECIAL)	CU YD	100	100		
X4060110	BITUMINOUS MATERIALS (PRIME COAT)	POUND	28,932	28,932		
X4811900	AGGREGATE SHOULDERS (SPECIAL)	TON	1,441.9	1,441.9		
X5420612	PIPE CULVERTS TO BE CLEANED 12"	FOOT	203	203		
X5420615	PIPE CULVERTS TO BE CLEANED 15"	FOOT	193	193		
X5420618	PIPE CULVERTS TO BE CLEANED 18"	FOOT	139	139		
X5420624	PIPE CULVERTS TO BE CLEANED 24"	FOOT	44	44		
X5420636	PIPE CULVERTS TO BE CLEANED 36"	FOOT	92	92		
X5860110	GRANULAR BACKFILL FOR STRUCTURES	CU YD	49	49		
X6013600	PIPE UNDERDRAINS 4" (MODIFIED)	FOOT	11,282	11,282		
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1		

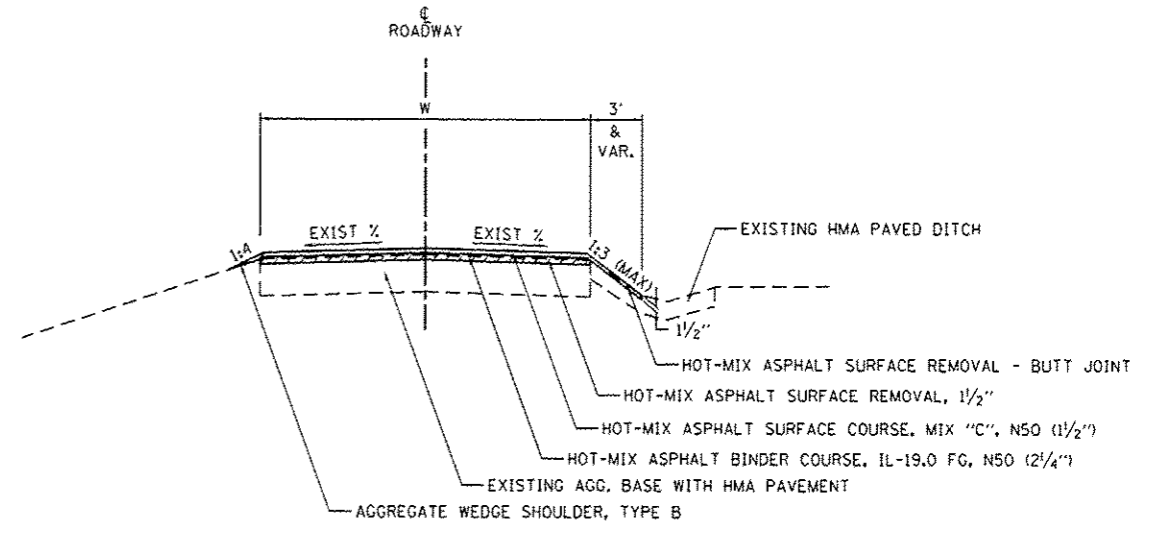
M

SUMMARY OF QUANTITIES				KANKAKEE COUNTY		WILL COUNTY
				ROADWAY	LIGHTING	ROADWAY
				100% STATE		
CODE NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	0005	0021	0005
* X7240205	REMOVE SIGN COMPLETE	EACH	16	16		
* XX007797	LUMINAIRE (SPECIAL)	EACH	10		10	
Z0005216	HOT-MIX ASPHALT STABILIZATION 6" AT STEEL PLATE BEAM GUARDRAIL	SO YD	270	270		
Z0013300	CONCRETE REMOVAL (SPECIAL)	SO YD	34	34		
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1		
* Z0054400	ROCK FILL	CU YD	31	31		
Z0077740	WOOD GUARDRAIL	FOOT	270	270		

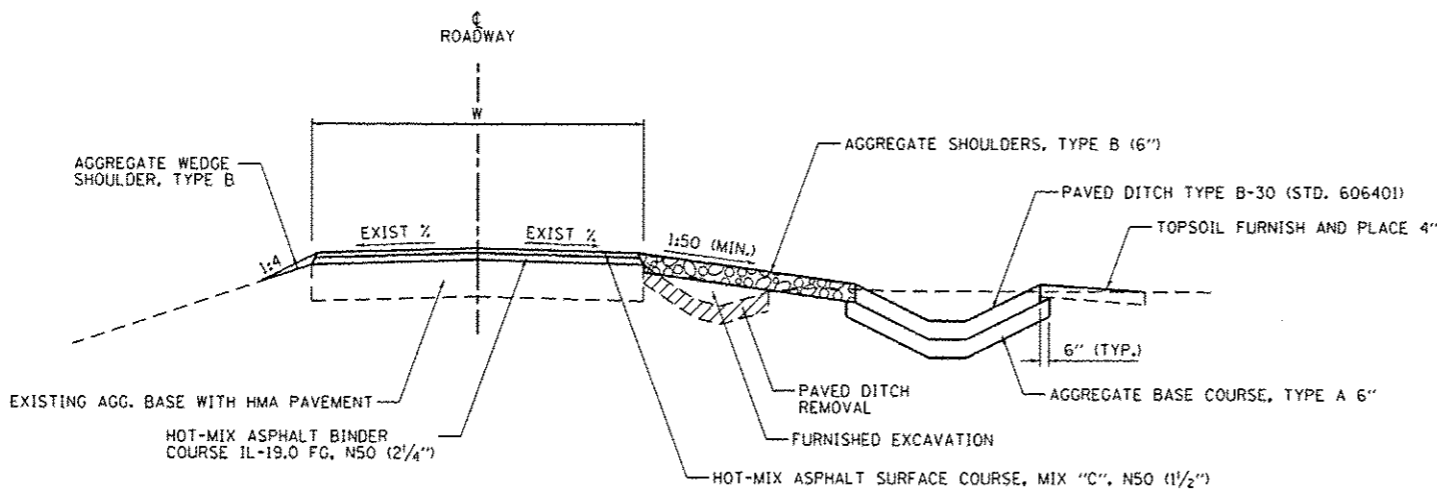
** Specialty Items*



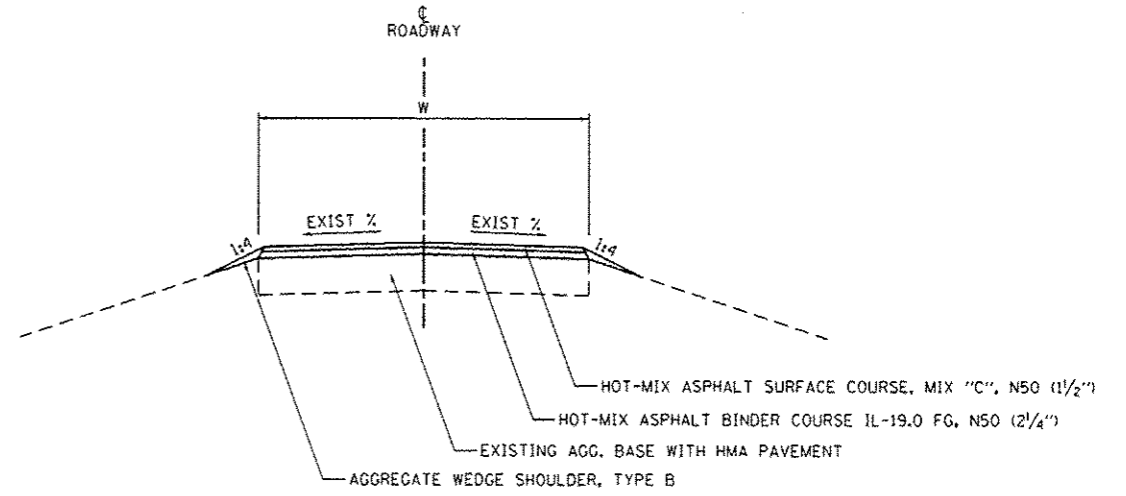
ROADWAY - TYPICAL #1
CHIPPEWA CAMPGROUND



ROADWAY - TYPICAL #3
EAST PARK ENTRANCE: STA. 1+50.00 TO STA. 6+80.00



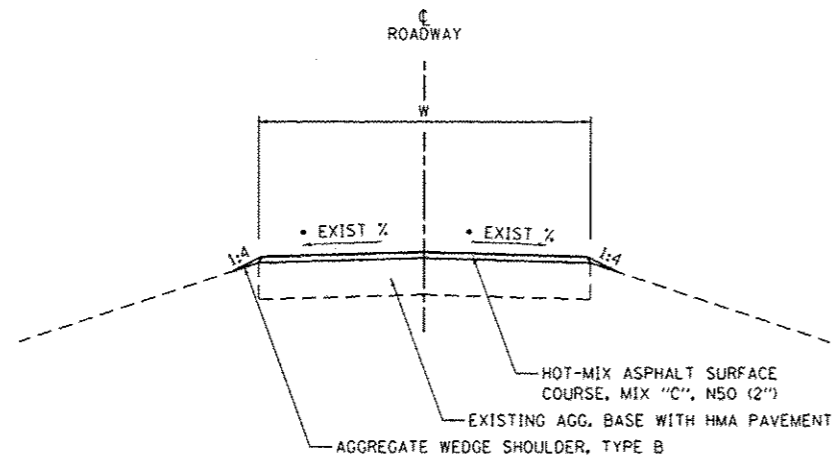
ROADWAY - TYPICAL #2
EAST PARK ENTRANCE: STA. 0+00.00 TO STA. 1+50.00



ROADWAY - TYPICAL #4
EAST PARK ENTRANCE: STA. 6+80.00 TO STA. 20+92.05

NOTE: 1. SEE PLAN SHEETS FOR ROADWAY WIDTHS

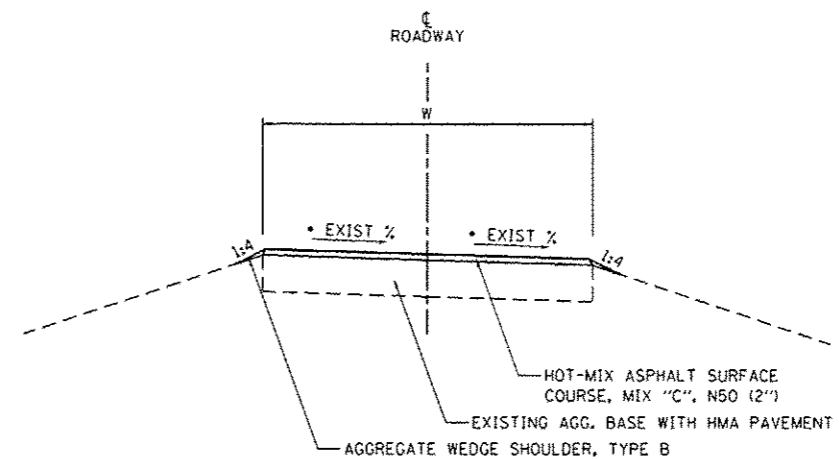
FILE NAME : L:\DOT\1186618\WG_17\DOT\ADD_Sheets\0346302.sht 1typicals.dgn	USER NAME : Bred Downen	DESIGNED - MJO	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS & PAVEMENT STRUCTURE DETAILS KANKAKEE RIVER STATE PARK		F.A. RTE.	SECTION PARK ROADS	COUNTY *	TOTAL SHEETS 69	SHEET NO. 12
Sheet 1	PLOT SCALE : 1/8" = 1'-0"	CHECKED - BJD	REVISED -		SCALE: N.T.S.	SHEET 1 OF 7 SHEETS	STA. TO STA.	* WILL AND KANKAKEE		CONTRACT NO. 46302	
	PLOT DATE : 3/28/2014	DATE - 3/28/2014	REVISED -					ILLINOIS FED. AID PROJECT			



ROADWAY - TYPICAL #5

POTAWATOMI CAMPGROUND ROAD: STA. 202+50.00 TO STA. 206+50.00
 STA. 208+50.00 TO STA. 211+00.00
 STA. 218+50.00 TO STA. 219+50.00
 STA. 223+50.00 TO STA. 224+50.00
 STA. 227+00.00 TO STA. 234+50.00
 STA. 242+50.00 TO STA. 246+53.67
 STA. 247+95.74 TO STA. 251+50.00

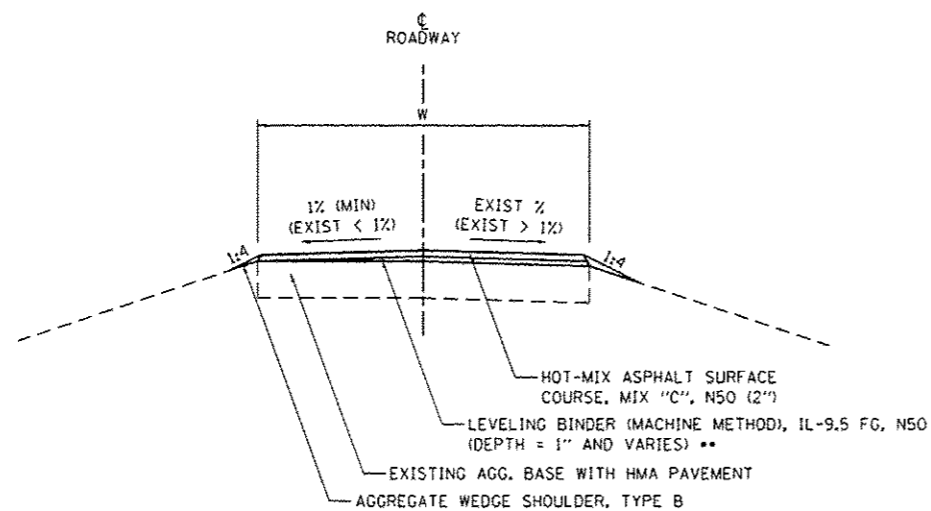
• WHEN EXISTING SLOPE IS LESS THAN 1%, USE CROSS SLOPE CORRECTION



ROADWAY - TYPICAL #7

MAIN PARK ROAD: STA. 104+70.00 TO STA. 105+53.38
 POTAWATOMI CAMPGROUND ROAD: STA. 200+00.00 TO STA. 202+50.00
 STA. 206+50.00 TO STA. 208+50.00
 STA. 211+00.00 TO STA. 218+50.00
 STA. 219+50.00 TO STA. 223+50.00
 STA. 224+50.00 TO STA. 225+75.00
 STA. 234+50.00 TO STA. 242+50.00
 STA. 251+50.00 TO STA. 255+28.00

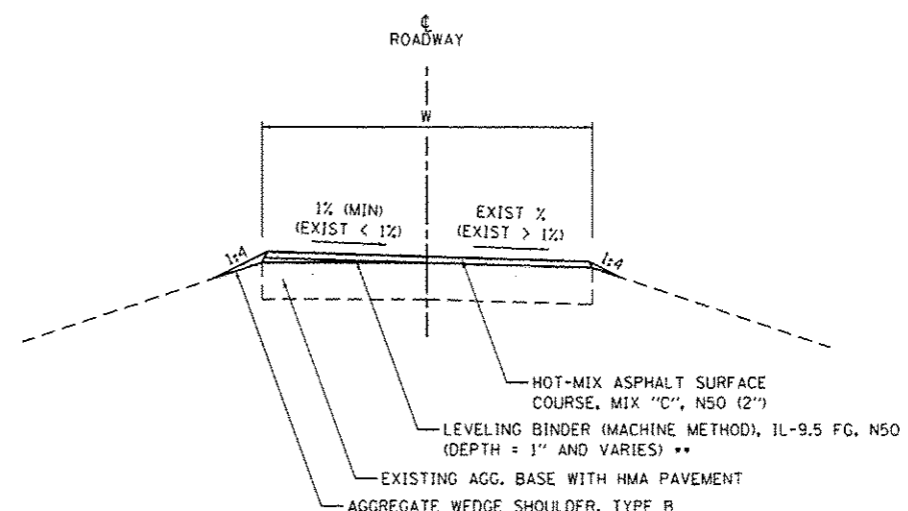
• WHEN EXISTING SLOPE IS LESS THAN 1%, USE CROSS SLOPE CORRECTION



ROADWAY - TYPICAL #6 (CROSS SLOPE CORRECTION)

POTAWATOMI CAMPGROUND ROAD

•• HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50
 WHEN DEPTH IS LESS THAN 1/2"



ROADWAY - TYPICAL #8 (CROSS SLOPE CORRECTION)

POTAWATOMI CAMPGROUND ROAD

•• HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50
 WHEN DEPTH IS LESS THAN 1/2"

NOTE: 1. SEE PLAN SHEETS FOR ROADWAY WIDTHS
 2. ROADWAY CROSS SLOPE TRANSITIONS SHALL
 BE ACCOMPLISHED OVER 50'

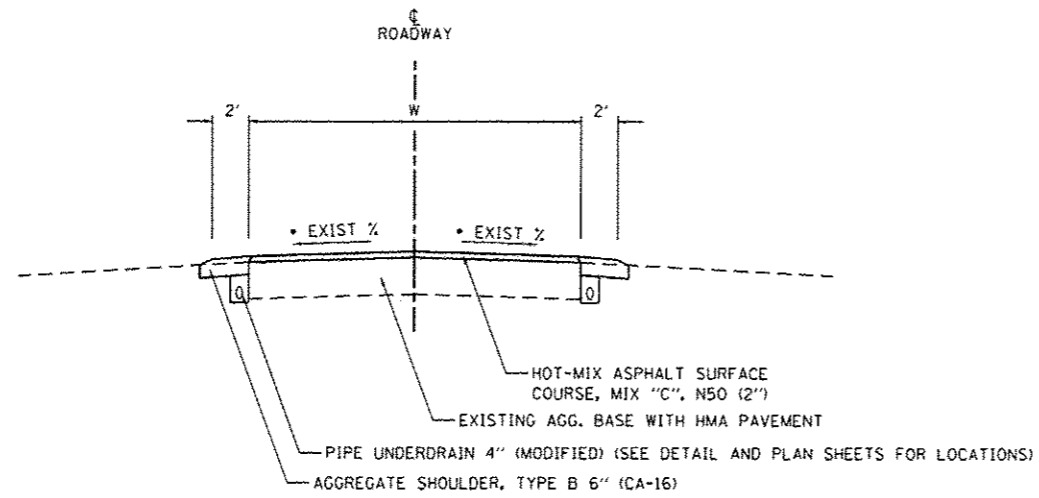
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	PLOT SCALE = 1/8" = 1'	CHECKED - BJD	REVISED -
Sheet 2	PLOT DATE = 3/28/2014	DATE - 3/28/2014	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS & PAVEMENT STRUCTURE DETAILS
 KANKAKEE RIVER STATE PARK**

SCALE: N.T.S. SHEET 2 OF 7 SHEETS STA. TO STA.

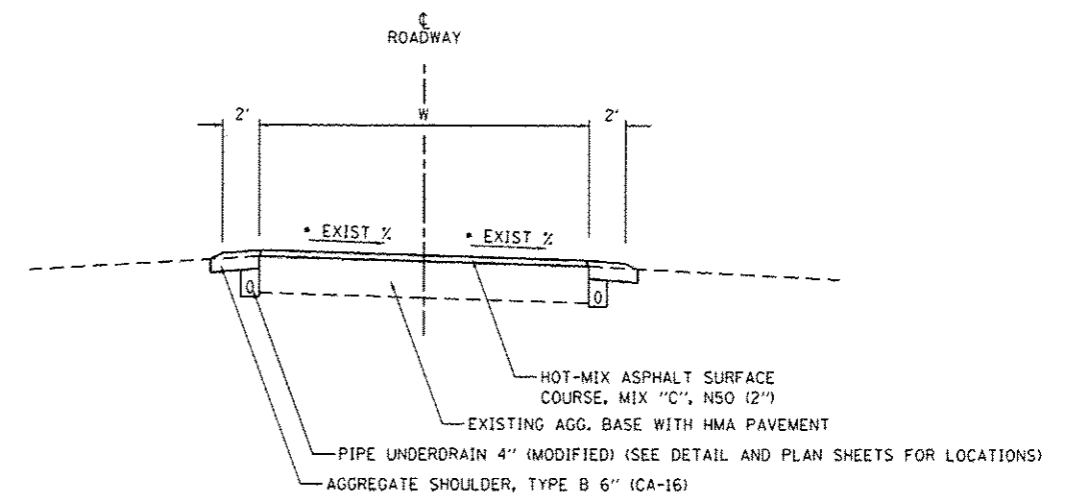
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PARK ROADS		69	13
* WILL AND KANKAKEE		CONTRACT NO. 46302		
ILLINOIS FED. AID PROJECT				



ROADWAY - TYPICAL #9

- OAK: POTAWATOMI CAMPGROUND ROAD TO LOOP INTERSECTION
CAMPSITE 2 TO CAMPSITE 24
CAMPSITE 26 TO CAMPSITE 31
- HAWTHORN: POTAWATOMI CAMPGROUND ROAD TO LOOP INTERSECTION
CAMPSITE 2 TO CAMPSITE 16
CAMPSITE 22 TO CAMPSITE 29
CAMPSITE 33 TO LOOP INTERSECTION
- OSAGE: POTAWATOMI CAMPGROUND ROAD TO CAMPSITE 1
CAMPSITE 11 TO LOOP INTERSECTION
- HICKORY: POTAWATOMI CAMPGROUND ROAD TO CAMPSITE 2
CAMPSITE 16 TO POTAWATOMI CAMPGROUND ROAD

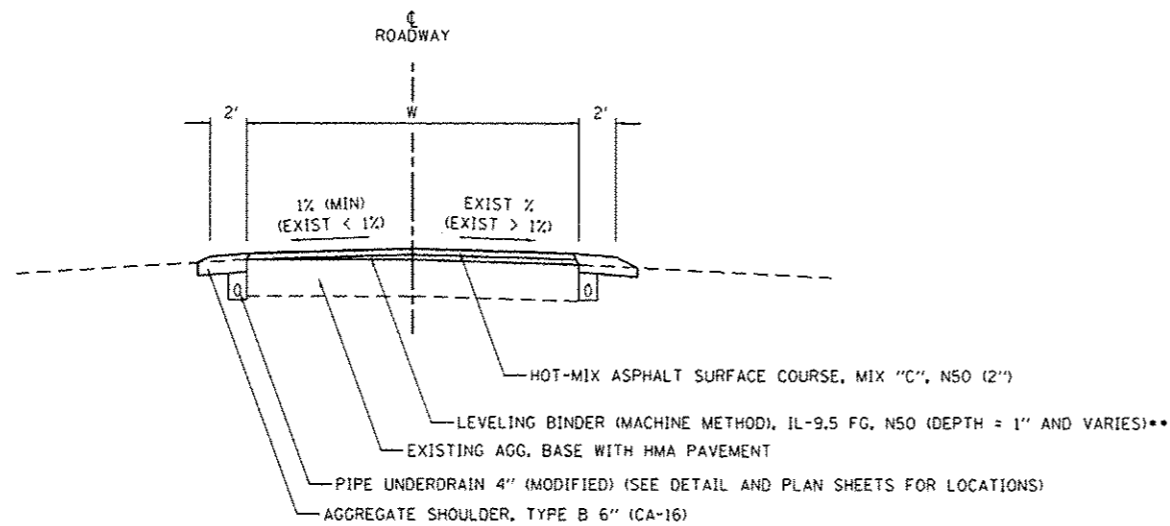
• WHEN EXISTING SLOPE IS LESS THAN 1%, USE CROSS SLOPE CORRECTION



ROADWAY - TYPICAL #11

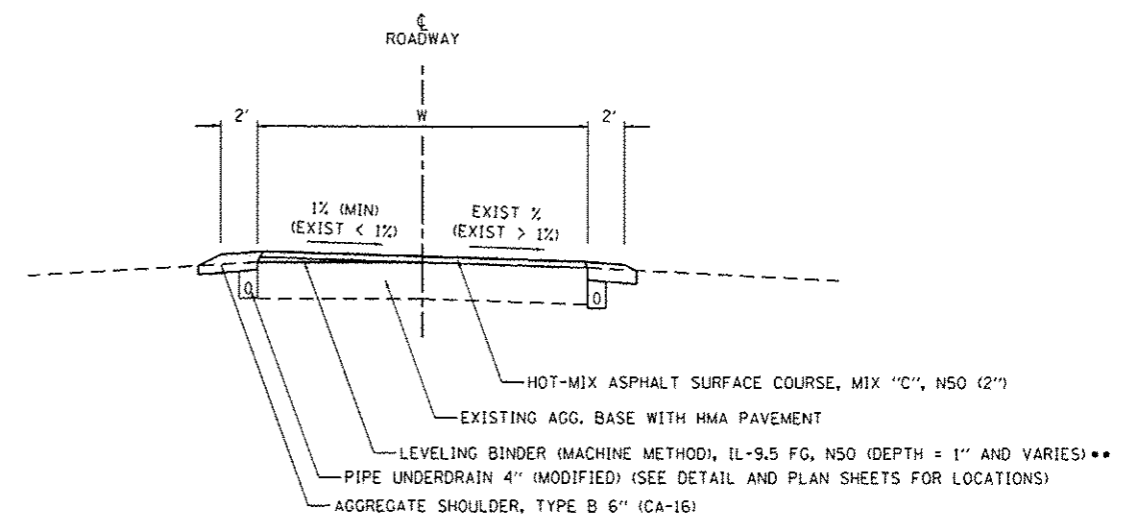
- OAK: CAMPSITE 24 TO CAMPSITE 26
- HAWTHORN: CAMPSITE 16 TO CAMPSITE 20
- OSAGE: CAMPSITE 8 TO CAMPSITE 11
- HICKORY: CAMPSITE 12 TO CAMPSITE 14

• WHEN EXISTING SLOPE IS LESS THAN 1%, USE CROSS SLOPE CORRECTION



ROADWAY - TYPICAL #10 (CROSS SLOPE CORRECTION)

•• HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 - WHEN DEPTH IS LESS THAN 1/2"



ROADWAY - TYPICAL #12 (CROSS SLOPE CORRECTION)

•• HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 - WHEN DEPTH IS LESS THAN 1/2"

NOTE: 1. SEE PLAN SHEETS FOR ROADWAY WIDTHS
2. ROADWAY CROSS SLOPE TRANSITIONS SHALL BE ACCOMPLISHED OVER 50'

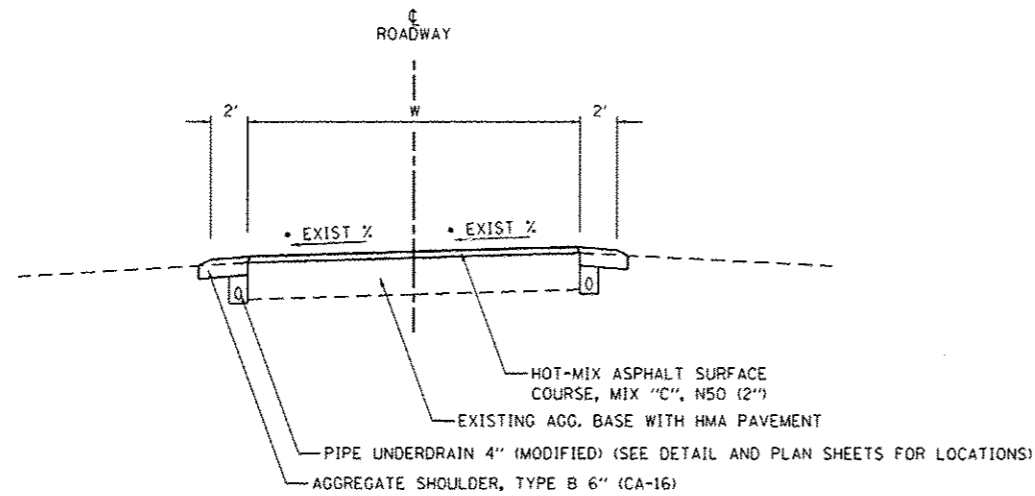
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Sheet 3	PLOT SCALE : 10.0000 1" = 10'	DRAWN - RAH	REVISED -
	PLOT DATE : 3/28/2014	CHECKED - BJD	REVISED -
		DATE - 3/28/2014	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS & PAVEMENT STRUCTURE DETAILS
KANKAKEE RIVER STATE PARK**

SCALE: N.T.S. SHEET 3 OF 7 SHEETS STA. TO STA.

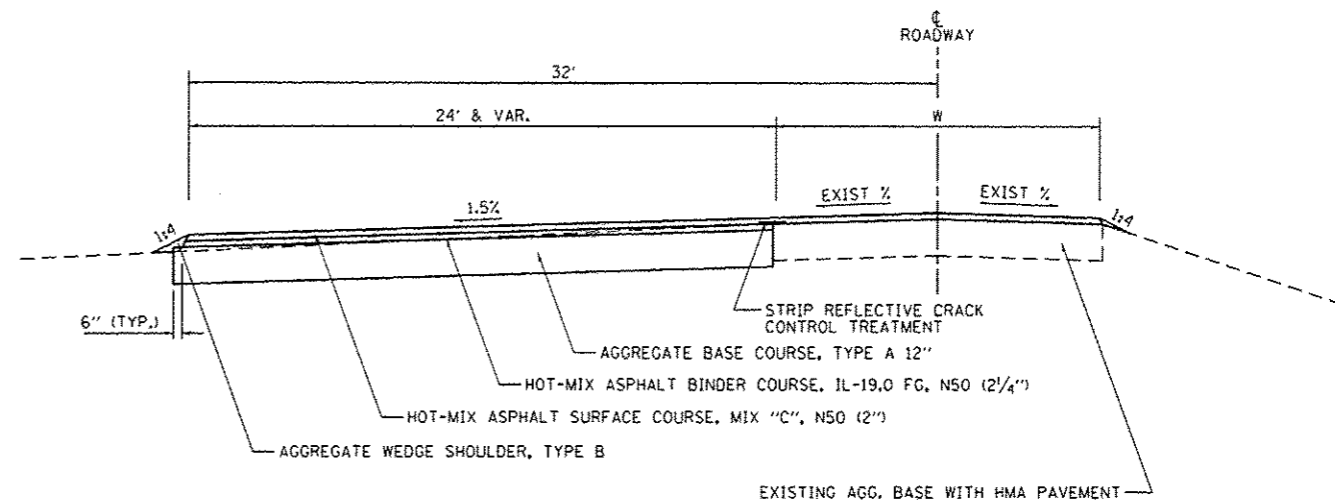
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PARK ROADS		69	14
• WILL AND KANKAKEE			CONTRACT NO. 46302	
ILLINOIS FED. AID PROJECT				



ROADWAY - TYPICAL #13

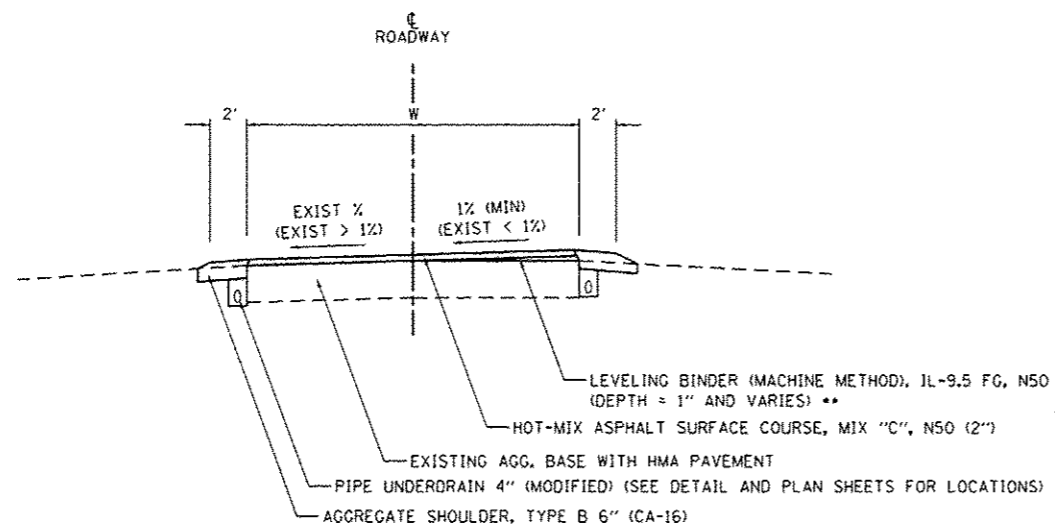
- OAK: LOOP INTERSECTION TO CAMPSITE 2
CAMPSITE 31 TO LOOP INTERSECTION
- HAWTHORN: LOOP INTERSECTION TO CAMPSITE 2
CAMPSITE 20 TO CAMPSITE 22
CAMPSITE 29 TO CAMPSITE 33
- OSAGE: CAMPSITE 1 TO CAMPSITE 8
- HICKORY: CAMPSITE 2 TO CAMPSITE 12
CAMPSITE 14 TO CAMPSITE 16

• WHEN EXISTING SLOPE IS LESS THAN 1%, USE CROSS SLOPE CORRECTION



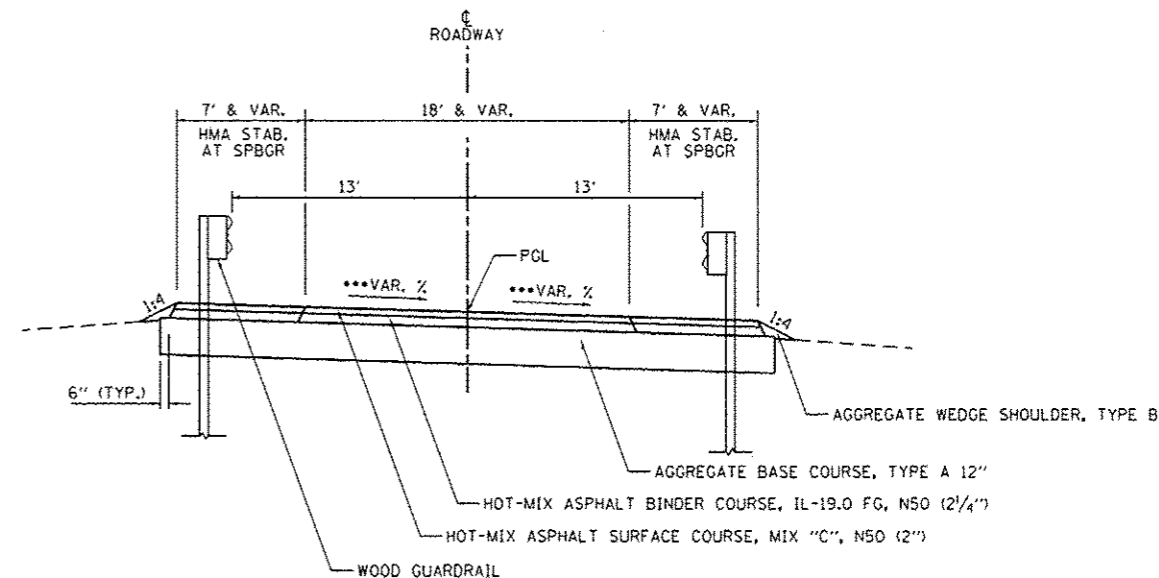
ROADWAY - TYPICAL #15

POTAWATOMI CAMPGROUND ROAD: STA. 246+53.67 TO STA. 247+95.74
(SHOWER BUILDING PARKING AREA)



ROADWAY - TYPICAL #14 (CROSS SLOPE CORRECTION)

•• HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 - WHEN DEPTH IS LESS THAN 1/2"



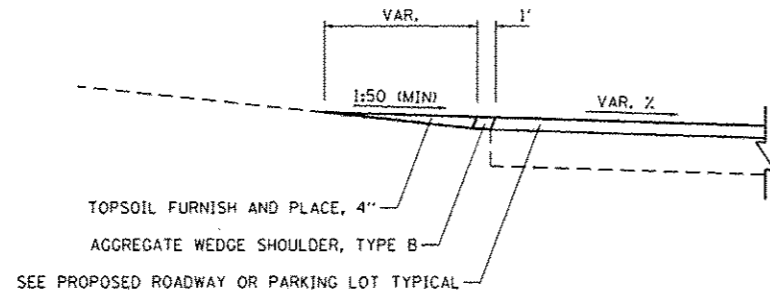
ROADWAY - TYPICAL #16

POTAWATOMI CAMPGROUND ROAD: STA. 225+75.00 TO STA. 227+00.00
(SEE PLAN SHEETS FOR HMA STABILIZATION LIMITS)

••• SEE PLAN SHEETS FOR PCL AND CROSS SLOPE INFORMATION

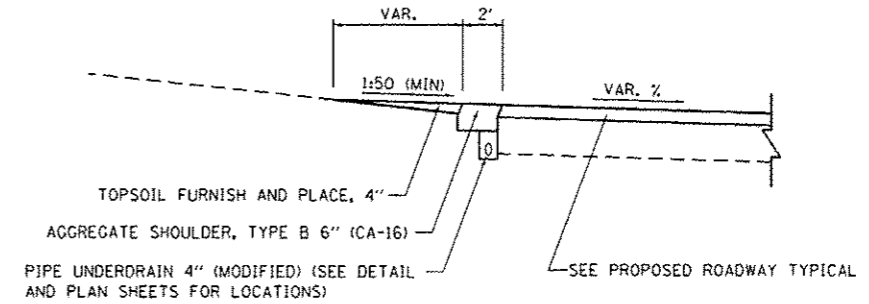
NOTE: 1. SEE PLAN SHEETS FOR ROADWAY WIDTHS
2. ROADWAY CROSS SLOPE TRANSITIONS SHALL BE ACCOMPLISHED OVER 50'

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Sheet 4	PLOT SCALE = 10,0000' / in.	DRAWN - RAH	REVISED -		SCALE: N.T.S.	SHEET 4 OF 7 SHEETS	STA. TO STA.	* WILL AND KANKAKEE			69	15
	PLOT DATE = 3/28/2014	CHECKED - BJD	REVISED -					CONTRACT NO. 46302				
		DATE - 3/28/2014	REVISED -					ILLINOIS FED. AID PROJECT				



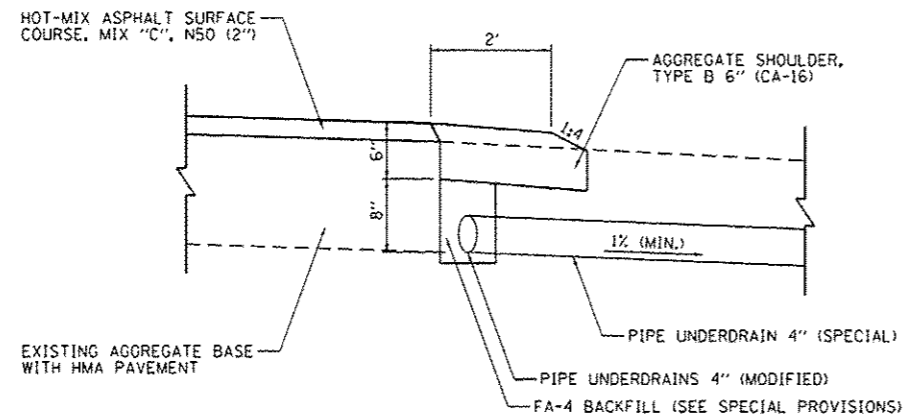
POSITIVE DRAINAGE - TYPICAL #1

POTAWATOMI CAMPGROUND ROAD
 HICKORY HILL
 ISLAND VIEW



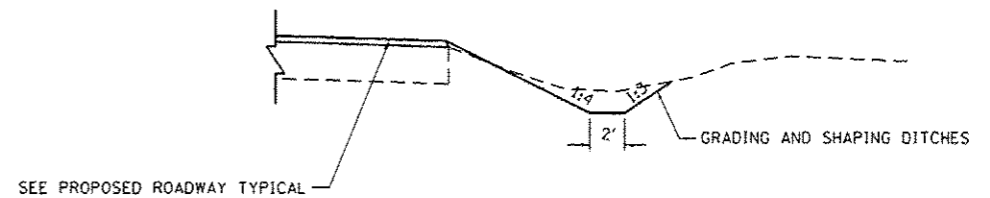
POSITIVE DRAINAGE - TYPICAL #2

OAK
 HAWTHORN
 OSAGE
 HICKORY



PIPE UNDERDRAIN DETAIL

SEE PLAN SHEETS FOR LOCATIONS
 SEE HIGHWAY STANDARD 601001 FOR ADDITIONAL DETAILS



DITCH - TYPICAL

EAST PARK ENTRANCE ROAD
 MAIN PARK ROAD
 POTAWATOMI CAMPGROUND ROAD

SEE PLAN SHEETS FOR DITCH LIMITS AND DETAILS

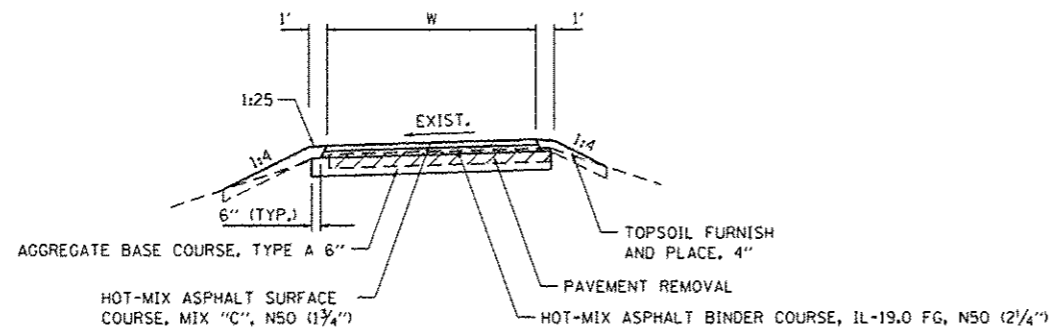
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	PLOT DATE : 3/28/2014	DATE - 3/28/2014	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS & PAVEMENT STRUCTURE DETAILS
 KANKAKEE RIVER STATE PARK

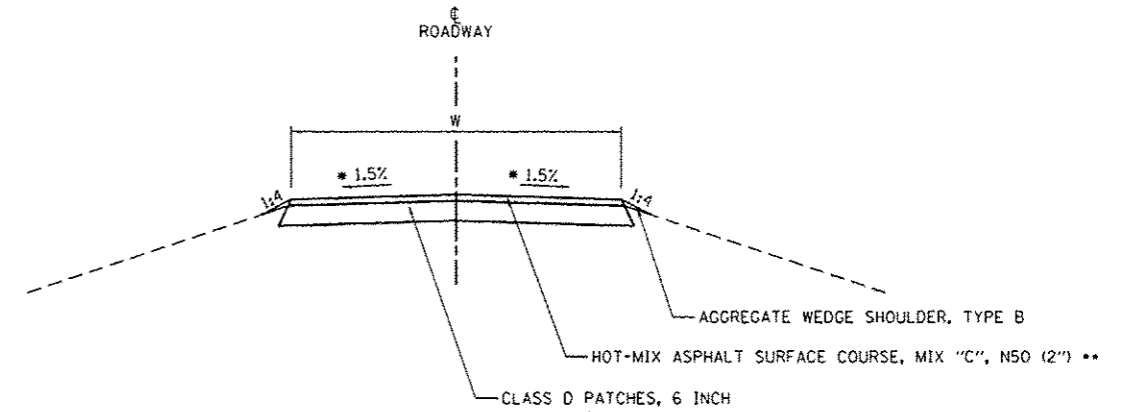
SCALE: N.T.S. SHEET 5 OF 7 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PARK ROADS	*	69	16
* WILL AND KANKAKEE			CONTRACT NO. 46302	
ILLINOIS FED. AID PROJECT				



TRAIL - TYPICAL

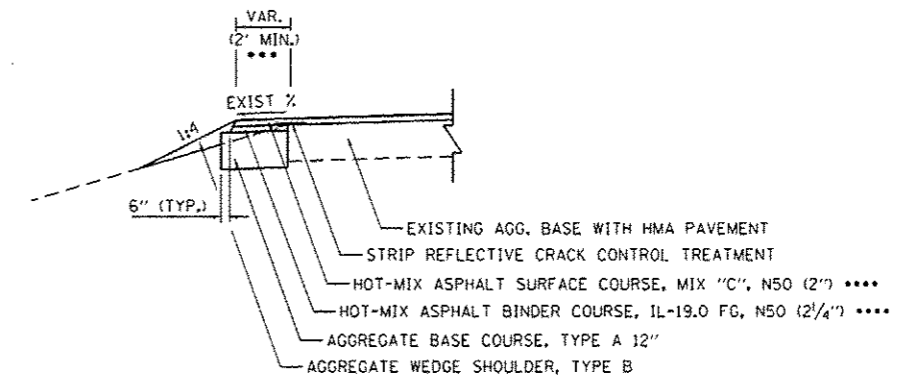
BLUEBIRD
POTAWATOMI CAMPGROUND ROAD



PAVEMENT PATCHING - TYPICAL

SEE PLAN SHEETS FOR ESTIMATED LOCATIONS AND LIMITS.
PAVEMENT PATCHING SHALL ONLY BE USED AT THE DISCRETION OF THE ENGINEER.

- * SEE ROADWAY TYPICAL SECTIONS FOR PROPOSED CROSS SLOPE INFORMATION.
- ** USE SURFACE DEPTH OF 1 1/2" FOR EAST PARK ENTRANCE



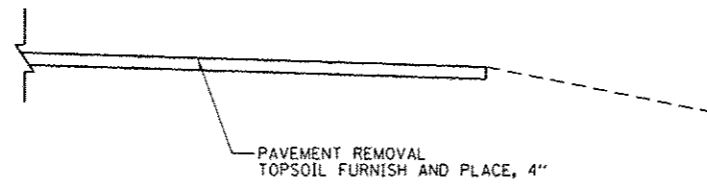
PAVEMENT WIDENING - TYPICAL

EAST PARK ENTRANCE
BLUEBIRD
POTAWATOMI CAMPGROUND ROAD
HICKORY HILL
OAK
HICKORY

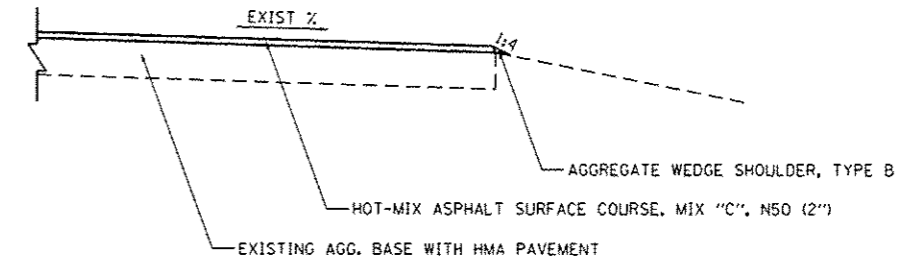
- *** IF WIDENING WIDTH IS LESS THAN 2' SAW CUT AND REMOVE EXISTING PAVEMENT TO ACHIEVE THE 2' MINIMUM.
- **** USE SURFACE DEPTH OF 1 1/2" AND BINDER DEPTH OF 2 1/4" FOR EAST PARK ENTRANCE WIDENING AT MAINPARK ROAD INTERSECTION

NOTE: 1. SEE PLAN SHEETS FOR ROADWAY WIDTHS

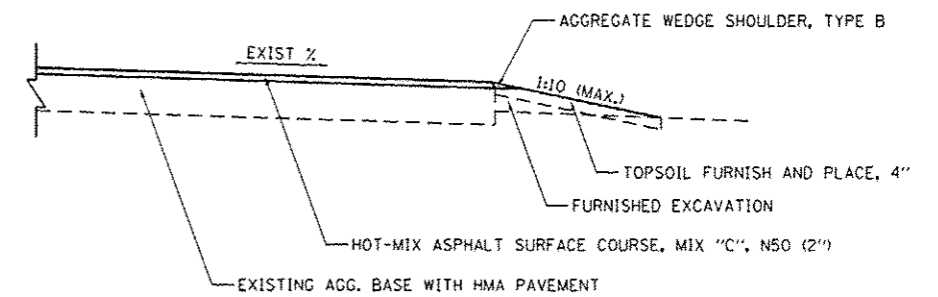
FILE NAME :	USER NAME : Brad Downen	DESIGNED - MJO	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS & PAVEMENT STRUCTURE DETAILS KANKAKEE RIVER STATE PARK			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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Sheet 6	PLOT SCALE * 10.0000 / in.	CHECKED - BJD	REVISED -					* WILL AND KANKAKEE					CONTRACT NO. 46302
	PLOT DATE * 3/28/2014	DATE - 3/28/2014	REVISED -										ILLINOIS FED. AID PROJECT



PAVEMENT REMOVAL - TYPICAL
POTAWATOMI CAMPGROUND ROAD



PARKING LOT - TYPICAL #1
HICKORY HILL
ISLAND VIEW



PARKING LOT - TYPICAL #2
BLUEBIRD
FORESTER

FILE NAME :	USER NAME : Brad Downen	DESIGNED - MJO	REVISED -
L:\IDOT\1106610\10.17\Draw\CADD\Sheets\046302.sht Typical.dgn		DRAWN - RAH	REVISED -
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Sheet 7	PLDT DATE = 3/28/2014	DATE - 3/28/2014	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS & PAVEMENT STRUCTURE DETAILS
KANKAKEE RIVER STATE PARK

SCALE: N.T.S. SHEET 7 OF 7 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PARK ROADS	*	69	18
* WILL AND KANKAKEE			CONTRACT NO. 46302	
ILLINOIS FED. AID PROJECT				

EARTH EXCAVATION

LOCATION	EARTH EXCAVATION	FURNISHED EXCAVATION	TOPSOIL FURNISH AND PLACE, 4"
	(CU YD)	(CU YD)	(SQ YD)
EAST PARK ENTRANCE	128	25	72
BLUEBIRD	47	39	463
FORESTER		91	1,092
POTAWATOMI CAMPGROUND ROAD	362	263	1,691
HICKORY HILL	41		155
ISLAND VIEW			43
POTAWATOMI SHOWER BUILDING	195		
OAK	618		353
HAWTHORN	506		90
OSAGE	460		115
HICKORY	673		193
TOTAL	3,030	418	4,267

PAVING

LOCATION	AGGREGATE BASE COURSE,		LEVELING BINDER (MACHINE METHOD), IL-9.5 FG, N50*	HOT-MIX ASPHALT				PARKING LOT SEAL COAT	FIBER MODIFIED ASPHALT CRACK SEALING*	BITUMINOUS MATERIALS (PRIME COAT)	AGGREGATE SHOULDERS (SPECIAL)	PORTALND CEMENT CONCRETE SIDEWALK 4 INCH	DETECTABLE WARNINGS	STRIP REFLECTIVE CRACK CONTROL TREATMENT*	AGGREGATE SHOULDER,		*CLASS D PATCHES,						
	TYPE A 6"	TYPE A 12"		SURFACE REMOVAL - BUTT JOINT	SURFACE REMOVAL, 1 1/2"	BINDER COURSE, IL-19.0 FG, N50	SURFACE COURSE, MIX "C", N50								TYPE B	TYPE B 6"	AGGREGATE WEDGE SHOULDERS, TYPE B	TYPE I, 6 INCH	TYPE II, 6 INCH	TYPE III, 6 INCH	TYPE IV, 6 INCH		
	(SQ YD)	(SQ YD)		(TON)	(SQ YD)	(SQ YD)	(TON)								(TON)	(SQ YD)	(SQ YD)	(TON)	(SQ YD)	(TON)	(SQ YD)	(TON)	(SQ YD)
CHIPPEWA CAMPGROUND								10.803															
EAST PARK ENTRANCE	157	59	9.8	477	1,078	492.7	401.9		900	2,983				1,200	59.1		170.2					241	
BLUEBIRD	32	81	4.3			12.9	169.2			907		41	21	113			14.1						
FORESTER			5.2				264.9			1,084	7.1						17.6						
POTAWATOMI CAMPGROUND ROAD	70	759	77.3	40		62.1	1,411.4	270	450	6,779	6.7	129	64	1,274			89.6		24	37	62		
HICKORY HILL		82				9.2	165.0		930	826				1,090			8.9						
ISLAND VIEW							162.1		310	652				310			5.0						
POTAWATOMI SHOWER BUILDING		389				47.7	42.4			937		156	22	150			3.9						
OAK	1,196	83	29.1	71		146.1	516.5			4,423	455.9					1,059	3.5	3	7	23	586		
HAWTHORN	1,025		47.8	196		117.9	510.2			3,923	397.1					982	7.0	7	11				
OSAGE	871		11.5	45		101.1	318.5			2,906	209.8					585	3.1	5			328		
HICKORY	1,101	84	19.2			136.4	328.4			3,512	365.3					768	0.9	8			99		
TOTAL	4,452	1,537	204.2	829	1,078	1,126.1	4,290.5	270	10,803	2,590	28,932	1,441.9	326	107	4,137	59.1	3,394	323.8	18	47	60	1,316	

*QUANTITIES ARE ESTIMATED AND SHALL BE USED AT THE DESCRETION OF THE ENGINEER

SIGNING AND PAVEMENT MARKING

LOCATION	SING PANEL - TYPE I	RELOCATE SIGN PANEL - TYPE I	WOOD SIGN SUPPORT	REMOVE SIGN COMPLETE	PAINT PAVEMENT MARKING -				
					LETTERS AND SYMBOLS	LINE 4"	LINE 6"	LINE 12"	LINE 24"
					(SQ FT)	(FOOT)	(FOOT)	(FOOT)	(FOOT)
EAST PARK ENTRANCE	10		30	1		1,020			74
BLUEBIRD	17		44			1,060			
FORESTER	14		31			1,440			
POTAWATOMI CAMPGROUND ROAD	37	3	142	6	48	1,080	98	148	
HICKORY HILL	7		15			1,000			
ISLAND VIEW	7		15			840			
POTAWATOMI SHOWER BUILDING	3		15			770	72	48	
OAK	17		44	3					
HAWTHORN	24		46	3					
OSAGE	10		29	2					
HICKORY	10		17	1					
CHIPPEWA CAMPGROUND						740			
TOTAL	156	3	428	16	48	7,950	170	196	74

SEEDING AND EROSION CONTROL

LOCATION	SEEDING CLASS 1A	NITROGEN FERTILIZER NUTRIENT	PHOSPHOROUS FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT	MULCH, METHOD 2	TEMPORARY EROSION CONTROL SEEDING	TEMPORARY DITCH CHECKS	PERIMETER EROSION BARRIER	INLET AND PIPE PROTECTION
	(ACRE)	(POUND)	(POUND)	(POUND)	(ACRE)	(POUND)	(FOOT)	(FOOT)	(EACH)
EAST PARK ENTRANCE	0.25	23	23	23	0.25	25	16		4
BLUEBIRD	0.25	23	23	23	0.25	25			
FORESTER	0.25	23	23	23	0.25	25	8		1
POTAWATOMI CAMPGROUND ROAD	1.00	90	90	90	1.00	100	48	955	7
HICKORY HILL	0.25	23	23	23	0.25	25			
ISLAND VIEW	0.25	23	23	23	0.25	25			
POTAWATOMI SHOWER BUILDING	0.25	23	23	23	0.25	25			
OAK	0.25	23	23	23	0.25	25	16		2
HAWTHORN	0.25	23	23	23	0.25	25	24		1
OSAGE	0.25	23	23	23	0.25	25	8		
HICKORY	0.25	23	23	23	0.25	25	8		2
TOTAL	3.50	320	320	320	3.50	350	128	955	17

1. THE QUANTITIES ABOVE ARE ESTIMATED AND SHALL BE USED ONLY AT THE ENGINEER'S DISCRETION.
2. THE CONTRACTOR SHALL COMPLY WITH THE STORM WATER POLLUTION PREVENTION PLAN AT ALL TIMES (SEE SPECIAL PROVISIONS).
3. MULCH SHALL BE STABILIZED UTILIZING PROCEDURE 1 IN ACCORDANCE WITH SECTION 25) OF THE STANDARD SPECIFICATIONS.
4. ALL TEMPORARY EROSION CONTROL SYSTEMS SHALL BE IN ACCORDANCE WITH SECTION 280 OF THE STANDARD SPECIFICATIONS AND HIGHWAY STANDARD 280001-07.

DRAINAGE

LOCATION	TRENCH BACKFILL	GRADING AND SHAPING DITCHES	STONE RIPRAP, CLASS A3	FILTER FABRIC	PAVED DITCH REMOVAL	PAVED DITCH, TYPE B-30	PIPE CULVERT REMOVAL	PIPE CULVERTS,			PRECAST REINFORCED CONCRETE F.E.S., EQ. ROUND-SIZE 30"	END SECTIONS 18"	CATCH BASINS, TYPE C, WITH MEDIAN INLET (604101)	INLETS, TYPE A, TYPE 1 FRAME, CLOSED LID	REMOVING CATCH BASINS	PIPE CULVERTS TO BE CLEANED						
								CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 30"	CLASS C, TYPE 1 8"	CLASS D, TYPE 1 18"						12'	15'	18'	24'	36'		
	(CU YD)	(FOOT)	(SO YD)	(SO YD)	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(FOOT)	
EAST PARK ENTRANCE		186			134	129												40	161			92
FORESTER		35																32	32	139	44	
POTAWATOMI CAMPGROUND ROAD	11.2	302	112	112			63	58		14	4	2		1								
POTAWATOMI SHOWER BUILDING		240													2							
OAK	10.8	90	6	6			299		298				2									
HAWTHORN		121	12	12														31				
OSAGE		15	3	3																		
HICKORY		136	6	6														100				
TOTAL	22.0	1,125	139	139	134	129	362	58	298	14	4	2	2	1	2	203	193	139	44	92		

*NOMINAL QUANTITIES ARE ESTIMATED AND SHALL BE USED AT THE DESCRETION OF THE ENGINEER

UNDERDRAINS

LOCATION	CONCRETE HEADWALLS FOR PIPE DRAINS	PIPE UNDERDRAINS 4" (MODIFIED)	PIPE UNDERDRAINS 4" (SPECIAL)	SHOULDER REMOVAL AND REPLACEMENT 5"
	(EACH)	(FOOT)	(FOOT)	(FOOT)
OAK	3	3,260	310	68
HAWTHORN	5	3,476	230	154
OSAGE	2	1,946	50	36
HICKORY	2	2,600	66	
TOTAL	12	11,282	656	258

ELECTRICAL

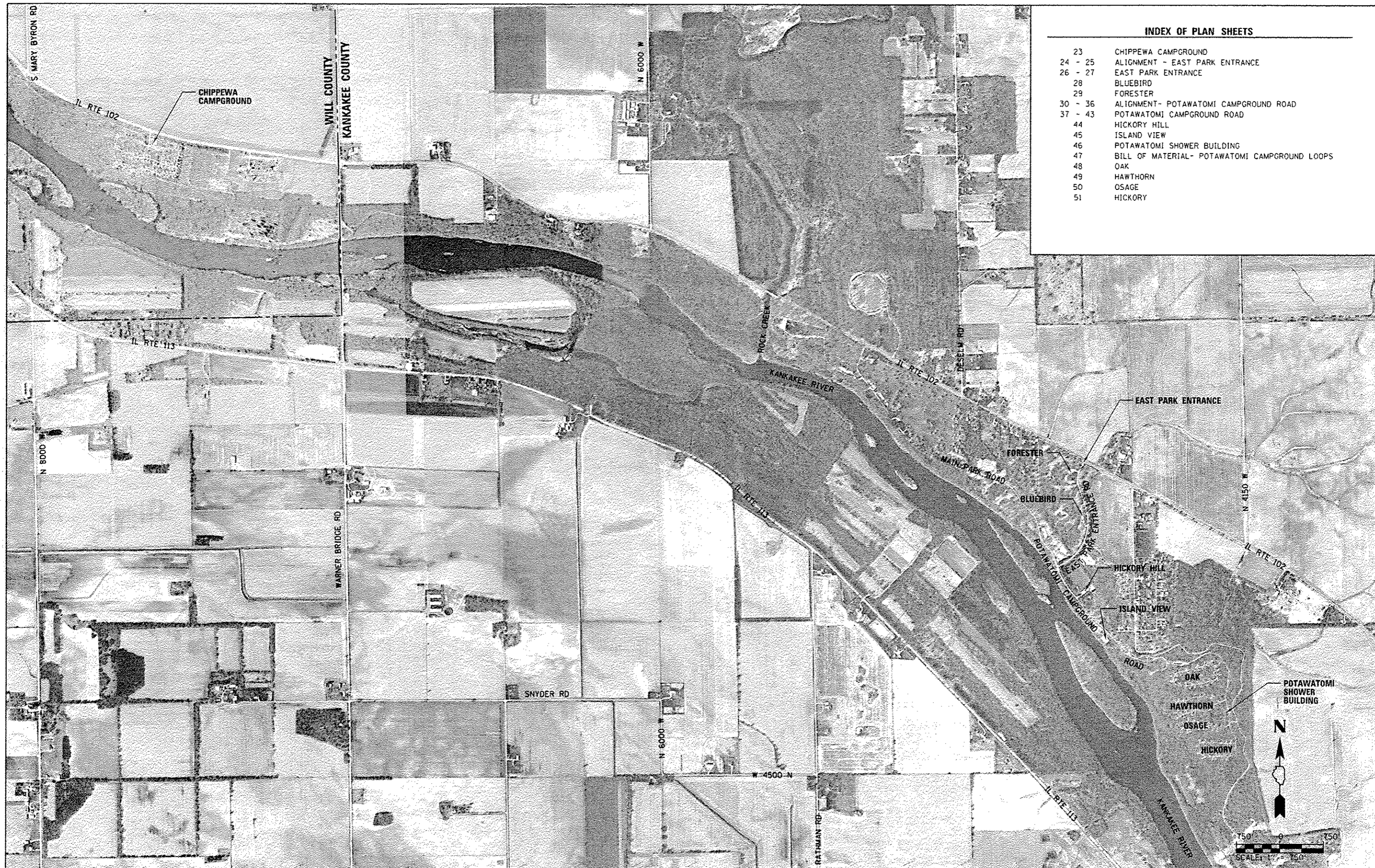
LOCATION	UNDERGROUND CONDUIT, PVC, 1" DIA.	ELECTRICAL CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	LIGHT POLE, WOOD, 30 FOOT, CLASS 5	LUMINAIRE (SPECIAL)
	(FOOT)	(FOOT)	(EACH)	(EACH)
EAST PARK ENTRANCE			1	3
FORESTER				1
POTAWATOMI CAMPGROUND ROAD	1,845	5,607	5	6
TOTAL	1,845	5,607	6	10

REMOVAL

LOCATION	PAVEMENT REMOVAL	SIDEWALK REMOVAL	GUARDRAIL REMOVAL	REMOVE EXISTING GATE	REMOVE EXISTING PARKING BLOCKS	BOLLARD REMOVAL	CONCRETE REMOVAL (SPECIAL)
	(SQ YD)	(SQ FT)	(FOOT)	(EACH)	(EACH)	(EACH)	(SQ YD)
EAST PARK ENTRANCE	8			1			4
BLUEBIRD	29				21	1	
FORESTER					46		
POTAWATOMI CAMPGROUND ROAD	1,034		217	1		2	30
HICKORY HILL	7				29		
ISLAND VIEW					22		
POTAWATOMI SHOWER BUILDING	173	132					
OAK	25						
HICKORY	10						
TOTAL	1,286	132	217	2	118	3	34

MISCELLANEOUS

LOCATION	WOOD GUARDRAIL	REMOVE AND REINSTALL PARKING BLOCKS	PRECAST CONCRETE PARKING BLOCK	TUBULAR STEEL GATE	FOLD DOWN BOLLARDS
	(FOOT)	(EACH)	(EACH)	(EACH)	(EACH)
CHIPPEWA CAMPGROUND		19			
EAST PARK ENTRANCE				1	
BLUEBIRD			27		1
FORESTER			45		
POTAWATOMI CAMPGROUND ROAD	270			1	2
HICKORY HILL			29		
ISLAND VIEW			22		
POTAWATOMI SHOWER BUILDING			14		
OAK		34			
HAWTHORN		33			
OSAGE		18			
HICKORY		27			
TOTAL	270	131	137	2	3



INDEX OF PLAN SHEETS	
23	CHIPPEWA CAMPGROUND
24 - 25	ALIGNMENT - EAST PARK ENTRANCE
26 - 27	EAST PARK ENTRANCE
28	BLUEBIRD
29	FORESTER
30 - 36	ALIGNMENT- POTAWATOMI CAMPGROUND ROAD
37 - 43	POTAWATOMI CAMPGROUND ROAD
44	HICKORY HILL
45	ISLAND VIEW
46	POTAWATOMI SHOWER BUILDING
47	BILL OF MATERIAL- POTAWATOMI CAMPGROUND LOOPS
48	OAK
49	HAWTHORN
50	OSAGE
51	HICKORY

FILE NAME :	USER NAME :	DESIGNED -	REVISED -
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Default		DRAWN -	REVISED -
		RAH	
		CHECKED -	REVISED -
		BJD	
		DATE -	REVISED -
		3/28/2014	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

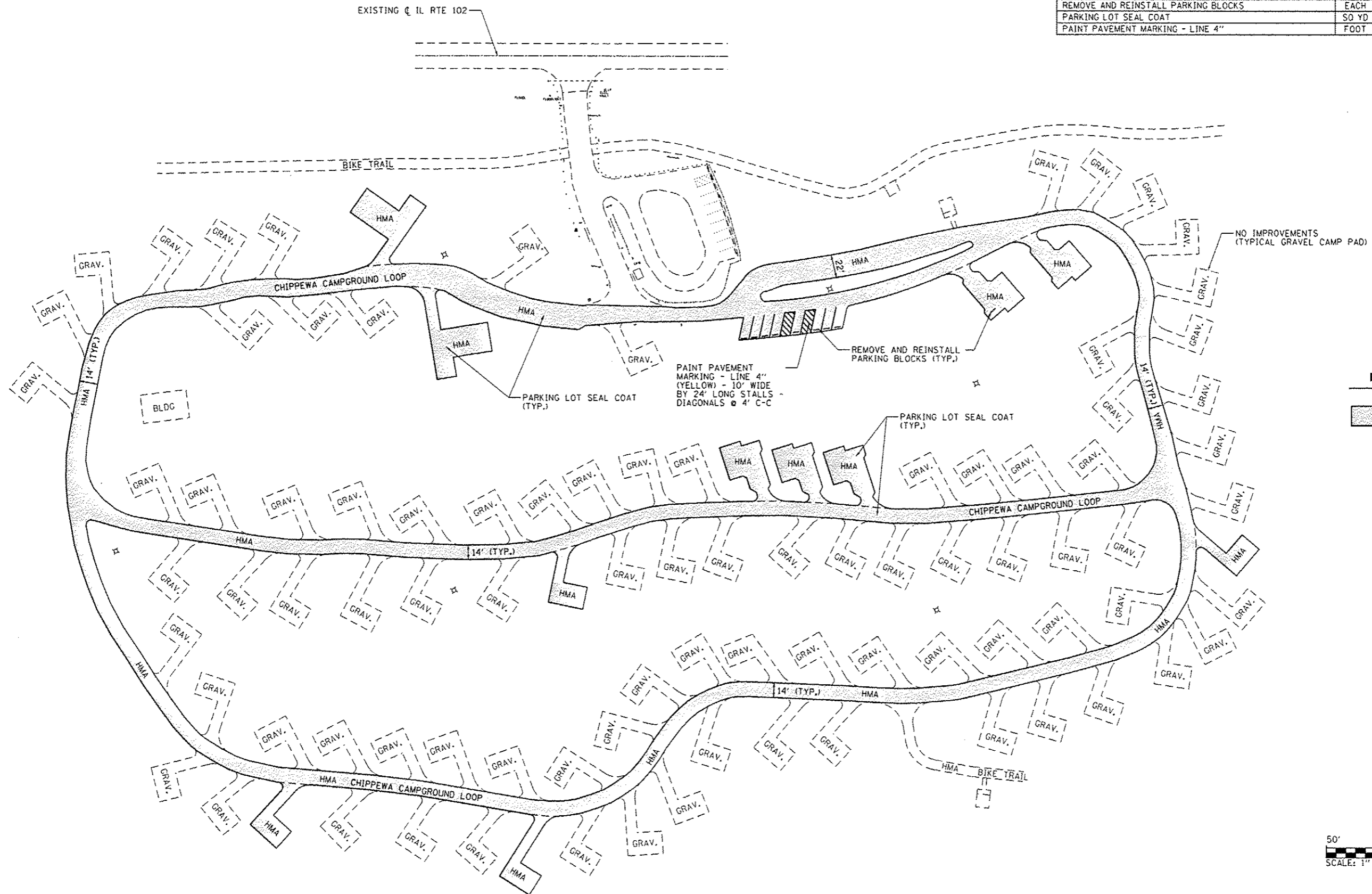
SITE PLAN AND INDEX OF PLAN SHEETS
KANKAKEE RIVER STATE PARK

SCALE: AS NOTED SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PARK ROADS	•	69	22
• WILL AND KANKAKEE			CONTRACT NO. 46302	
[ILLINOIS] FED. AID PROJECT				

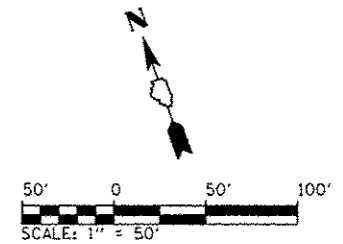
BILL OF MATERIALS - CHIPPEWA

ITEM	UNIT	TOTAL
REMOVE AND REINSTALL PARKING BLOCKS	EACH	19
PARKING LOT SEAL COAT	SQ YD	10,803
PAINT PAVEMENT MARKING - LINE 4"	FOOT	740



LEGEND

	PARKING LOT SEAL COAT
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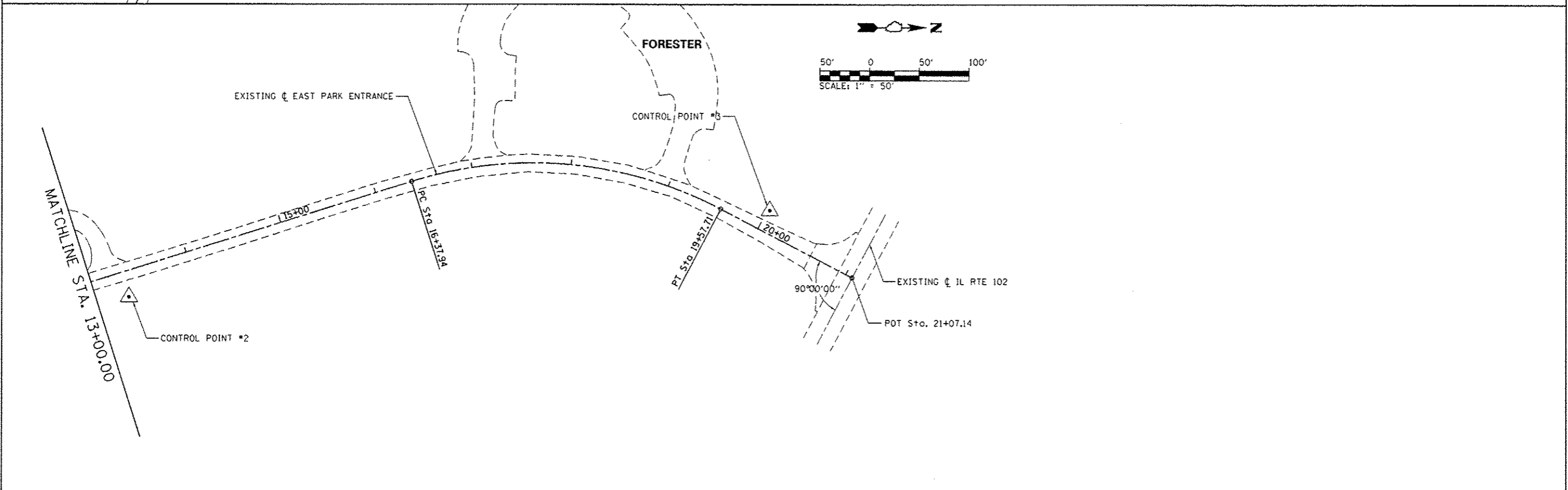
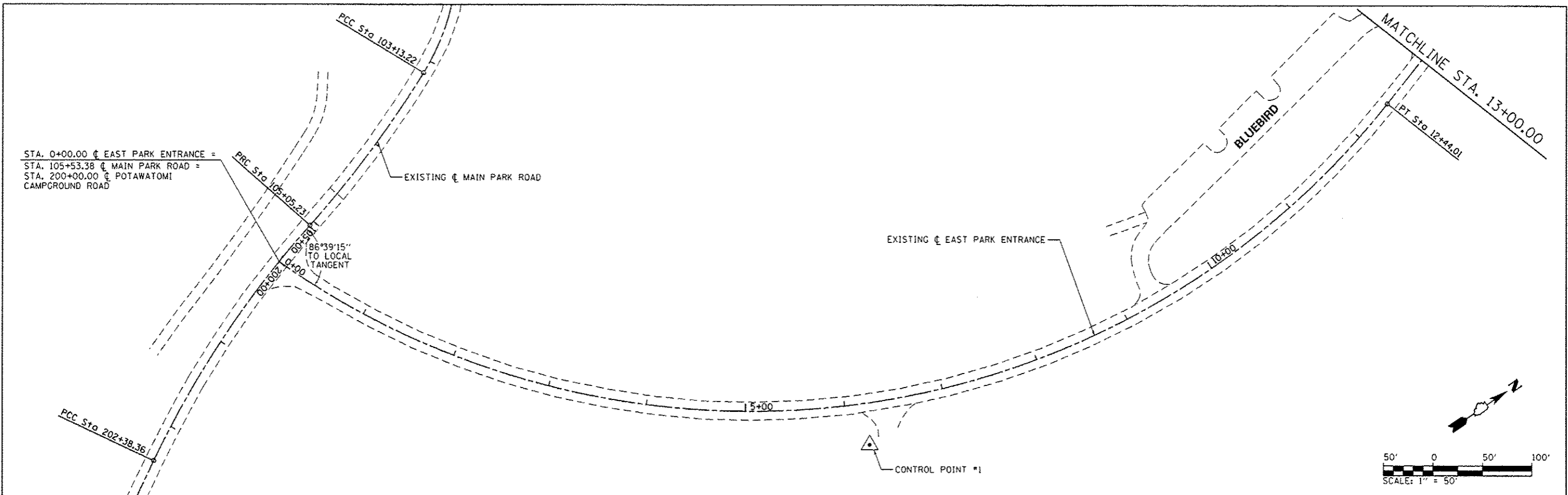
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	ChippewaCampgrdgn	DRAWN -	REVISED -
		RAH	
	PLOT SCALE :	CHECKED -	REVISED -
	100.0000' / 1"	BJD	
	PLOT DATE :	DATE -	REVISED -
	3/28/2014	3/28/2014	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SITE PLAN - CHIPPEWA CAMPGROUND LOOP
KANKAKEE RIVER STATE PARK

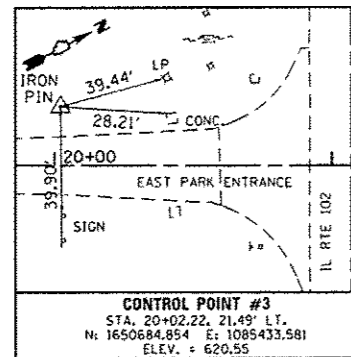
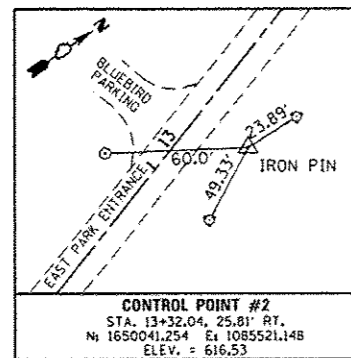
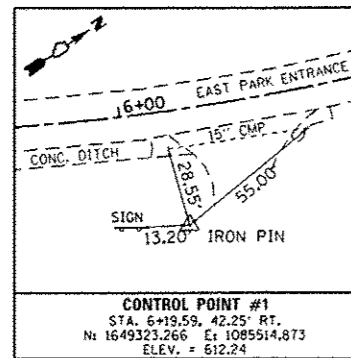
SCALE: 1" = 50' SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PARK ROADS		69	23
* WILL AND KANKAKEE			CONTRACT NO. 46302	
ILLINOIS FED. AID PROJECT				



FILE NAME :	USER NAME :	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ALIGNMENT AND BILL OF MATERIALS - EAST PARK ENTRANCE KANKAKEE RIVER STATE PARK		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
L:\VDOT\1186618\W0.17\Drawings\CADD\Sheets\046382.sht EastParkEntrance-081Alignment.dgn	Brad Downen	MJO					PARK ROADS		69	24	
PLOT SCALE :	CHECKED -	REVISED -			SCALE: 1" = 50'		SHEET 1 OF 2 SHEETS		CONTRACT NO. 46302		
Default	RAH				STA. TO STA.		ILLINOIS FED. AID PROJECT				

CONTROL POINTS



CURVE DATA

EXIST. ϕ EAST PARK ENTRANCE
 CURVE-1 DATA
 PI STA. = 7+78.33
 $\Delta = 87^\circ 11' 17''$ (LT)
 $D = 7^\circ 00' 31''$
 $R = 817.50'$
 $T = 778.33'$
 $L = 1,244.01'$
 $E = 311.26'$
 P.C. STA. = 0+00.00
 P.T. STA. = 12+44.01

EXIST. ϕ EAST PARK ENTRANCE
 CURVE-2 DATA
 PI STA. = 18+06.68
 $\Delta = 45^\circ 14' 19''$ (RT)
 $D = 14^\circ 08' 50''$
 $R = 405.00'$
 $T = 168.74'$
 $L = 319.77'$
 $E = 33.75'$
 P.C. STA. = 16+37.94
 P.T. STA. = 19+57.71

COORDINATE DATA

P.C. STA. 0+00.00
 N. : 1648936.681
 E. : 1085027.930

 P.I. STA. 7+78.33
 N. : 1649207.396
 E. : 1085757.666

 P.T. STA. 12+44.01
 N. : 1649949.534
 E. : 1085523.076

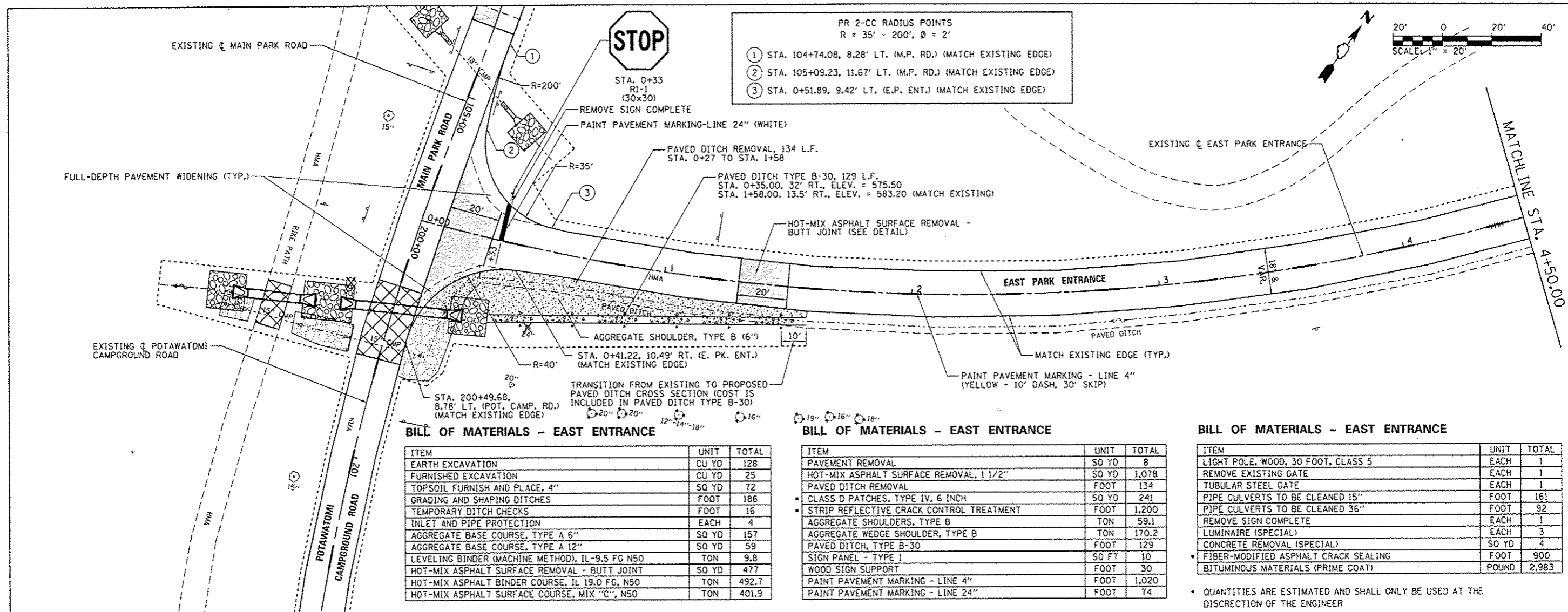
 P.C. STA. 16+37.94
 N. : 1650325.147
 E. : 1085404.345

 P.I. STA. 18+06.68
 N. : 1650486.045
 E. : 1085353.485

 P.T. STA. 19+57.71
 N. : 1650635.455
 E. : 1085431.916

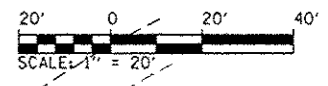
 P.O.T. STA. 21+07.14
 N. : 1650767.762
 E. : 1085501.369

FILE NAME : L:\1007\1106610\17\Draw\CADD\Sheets\046302.sht EastParkEntrance-022\Alignment.dwg	USER NAME : Brad Danner	DESIGNED - MJJ	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ALIGNMENT - EAST PARK ENTRANCE KANKAKEE RIVER STATE PARK	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default	PLOT SCALE : 1/8" = 1' / in.	CHECKED - BJD	REVISED -			* WILL AND KANKAKEE	CONTRACT NO. 46302			
Default	PLOT DATE : 3/28/2014	DATE - 3/28/2014	REVISED -			ILLINOIS FED. AID PROJECT				
SCALE: N.T.S.		SHEET 2 OF 2 SHEETS				SYA.	TO STA.			



PR 2-CC RADIUS POINTS
 R = 35' - 200', Ø = 2'

① STA. 104+74.08, 8.28' LT. (M.P. RD.) (MATCH EXISTING EDGE)
 ② STA. 105+09.23, 11.67' LT. (M.P. RD.) (MATCH EXISTING EDGE)
 ③ STA. 0+51.89, 9.42' LT. (E.P. ENT.) (MATCH EXISTING EDGE)



BILL OF MATERIALS - EAST ENTRANCE

ITEM	UNIT	TOTAL
EARTH EXCAVATION	CU YD	128
FURNISHED EXCAVATION	CU YD	25
TOPSOIL FURNISH AND PLACE, 4"	SQ YD	72
GRADING AND SHAPING DITCHES	FOOT	186
TEMPORARY DITCH CHECKS	FOOT	16
INLET AND PIPE PROTECTION	EACH	4
AGGREGATE BASE COURSE, TYPE A 6"	SO YD	157
AGGREGATE BASE COURSE, TYPE A 12"	SO YD	59
LEVELING BINDER (MACHINE METHOD), IL-9.5 FG N50	TON	9.8
HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	477
HOT-MIX ASPHALT BINDER COURSE, IL 19.0 FG, N50	TON	492.7
HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	401.9

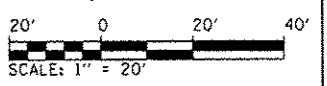
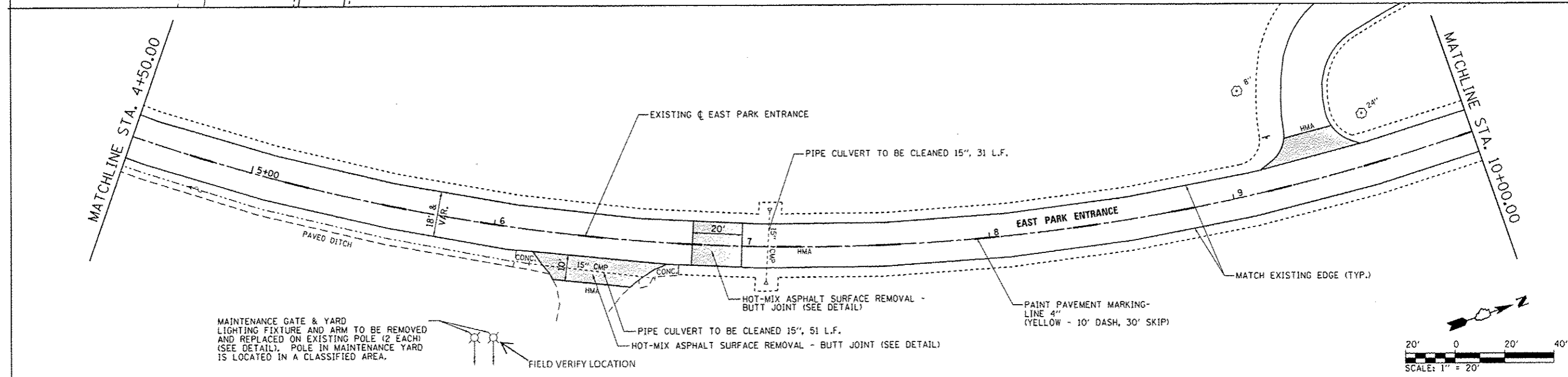
BILL OF MATERIALS - EAST ENTRANCE

ITEM	UNIT	TOTAL
PAVEMENT REMOVAL	SO YD	8
HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SO YD	1,078
PAVED DITCH REMOVAL	FOOT	134
CLASS D PATCHES, TYPE IV, 6 INCH	SO YD	241
STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	1,200
AGGREGATE SHOULDERS, TYPE B	TON	59.1
AGGREGATE WEDGE SHOULDER, TYPE B	TON	170.2
PAVED DITCH, TYPE B-30	FOOT	129
SIGN PANEL - TYPE I	SO FT	10
WOOD SIGN SUPPORT	FOOT	30
PAINT PAVEMENT MARKING - LINE 4"	FOOT	1,020
PAINT PAVEMENT MARKING - LINE 24"	FOOT	74

BILL OF MATERIALS - EAST ENTRANCE

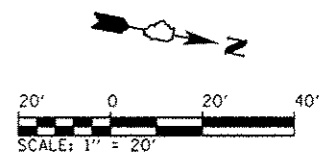
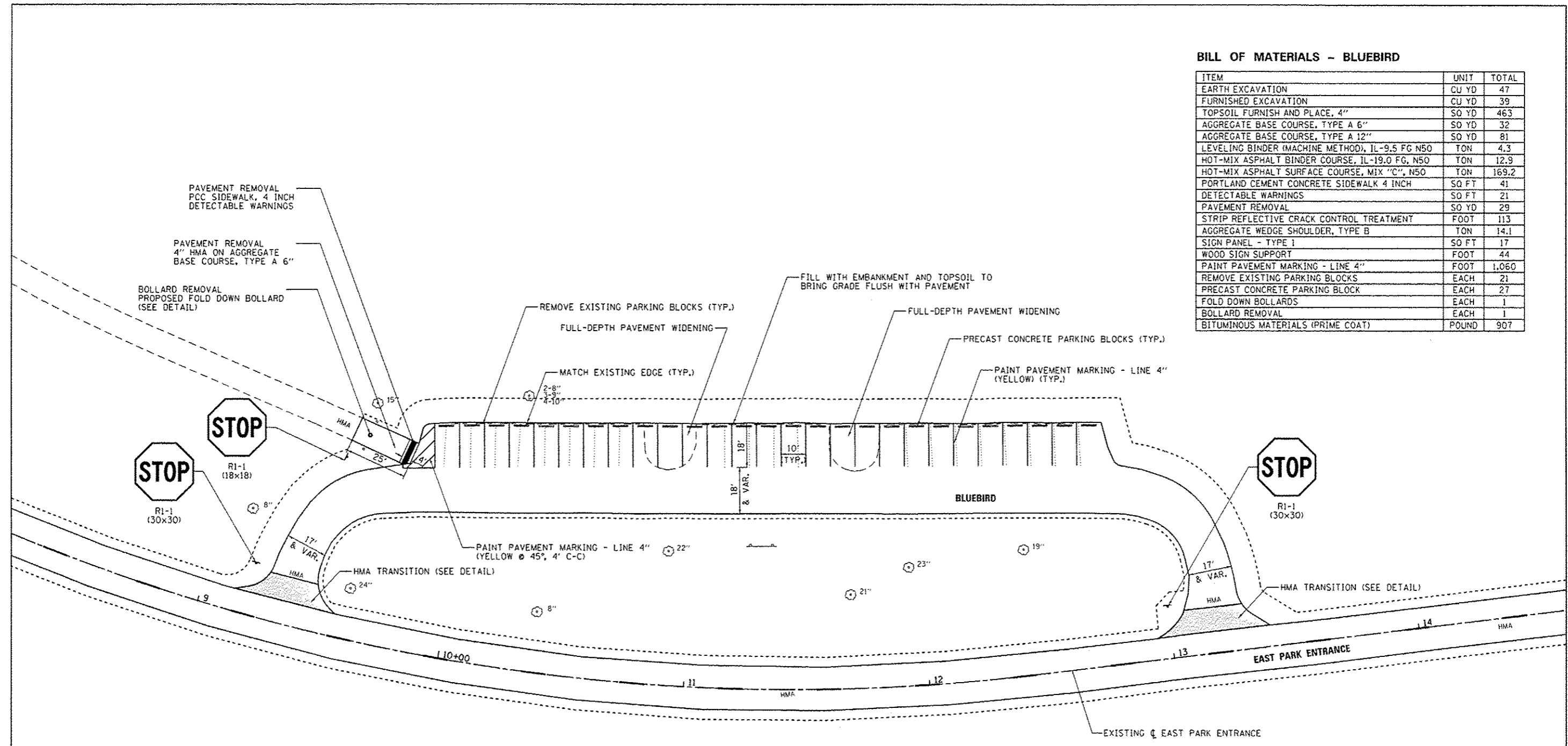
ITEM	UNIT	TOTAL
LIGHT POLE, WOOD, 30 FOOT, CLASS 5	EACH	1
REMOVE EXISTING GATE	EACH	1
TUBULAR STEEL GATE	EACH	1
PIPE CULVERTS TO BE CLEANED 15"	FOOT	161
PIPE CULVERTS TO BE CLEANED 36"	FOOT	92
REMOVE SIGN COMPLETE	EACH	1
LUMINAIRE (SPECIAL)	EACH	3
CONCRETE REMOVAL (SPECIAL)	SO YD	4
FIBER-MODIFIED ASPHALT CRACK SEALING	FOOT	900
BITUMINOUS MATERIALS (PRIME COAT)	POUND	2,983

• QUANTITIES ARE ESTIMATED AND SHALL ONLY BE USED AT THE DISCRETION OF THE ENGINEER

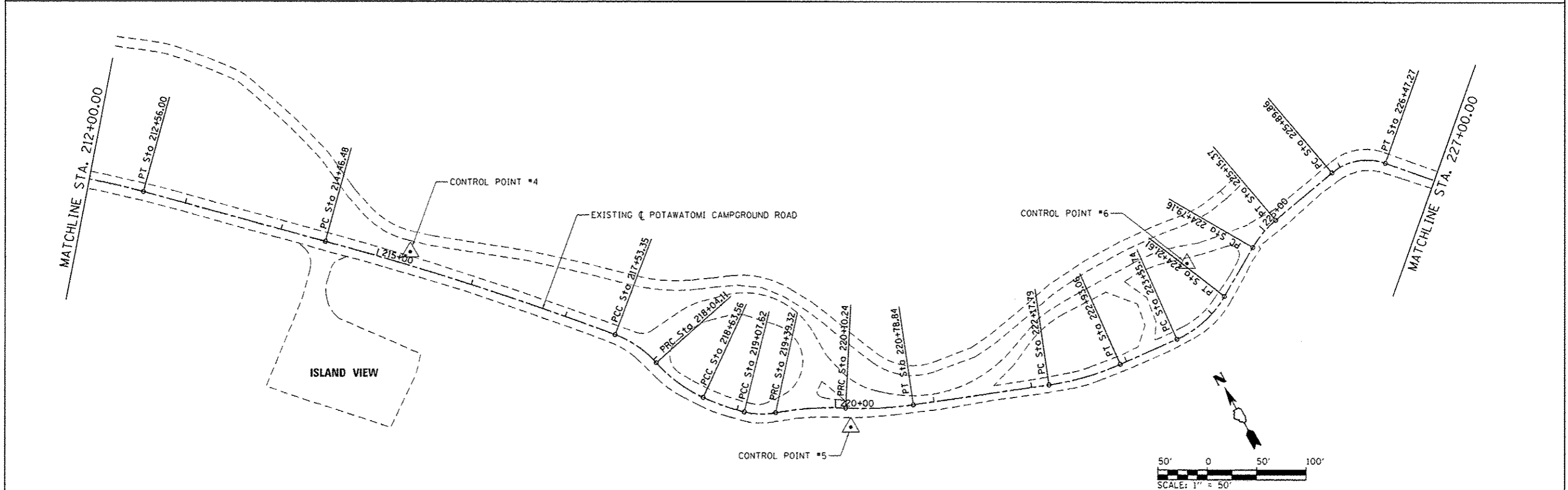
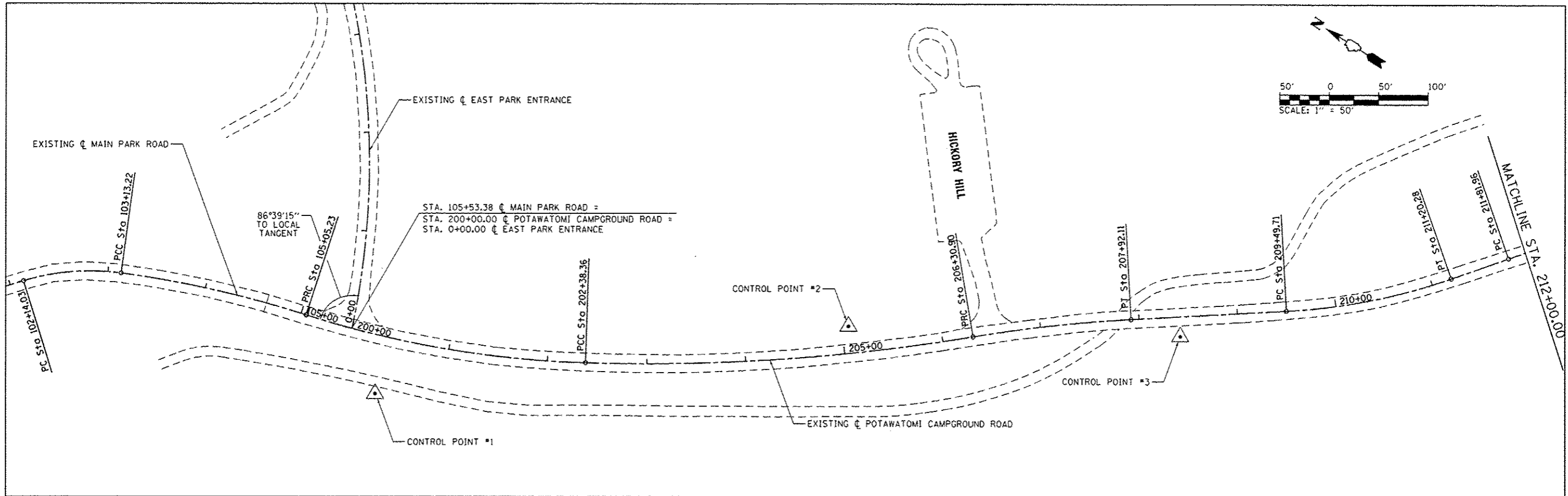


BILL OF MATERIALS - BLUEBIRD

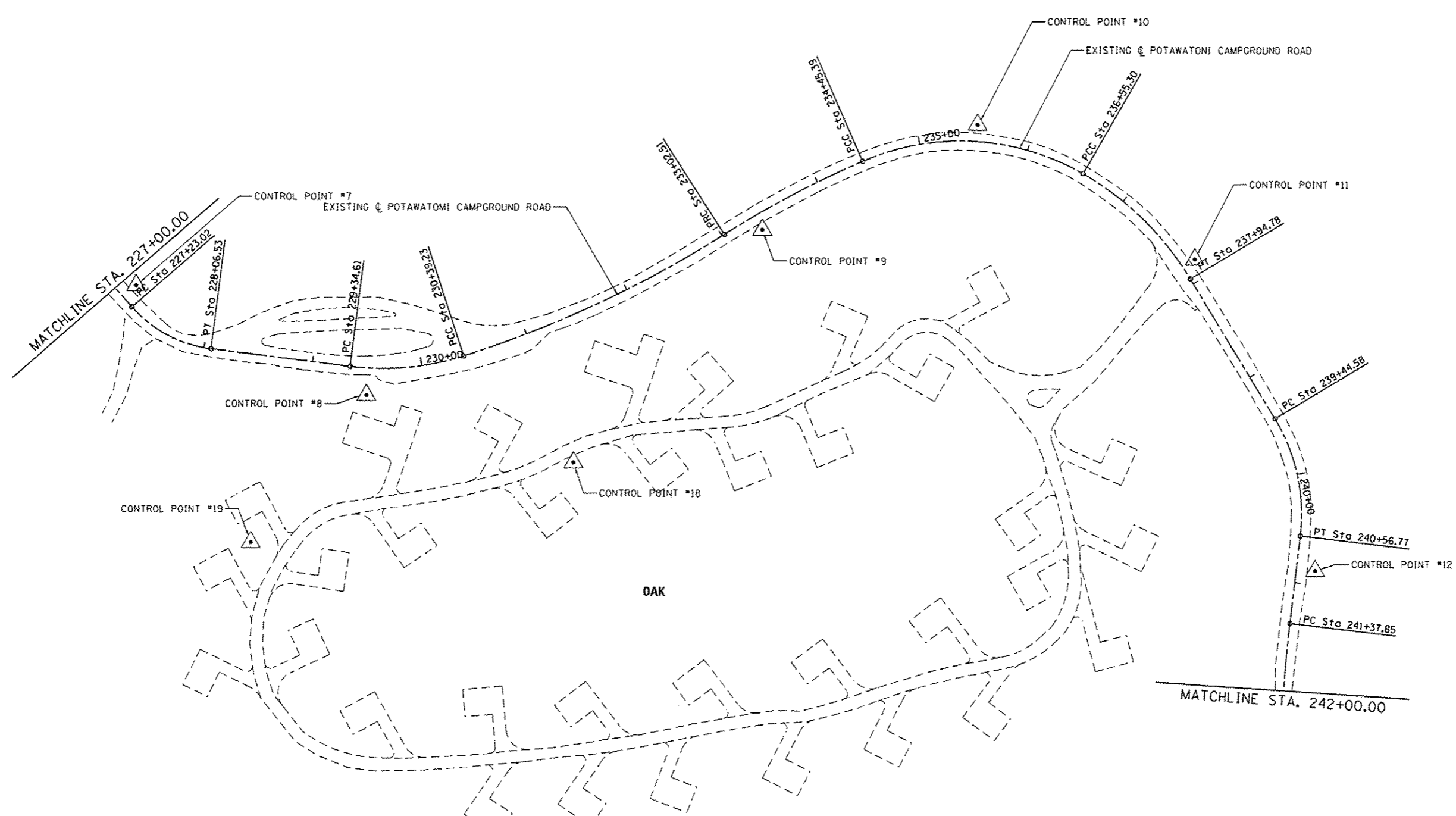
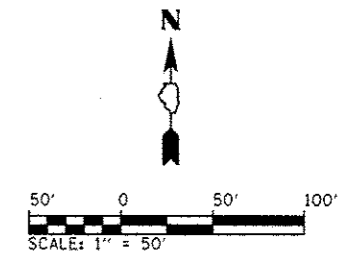
ITEM	UNIT	TOTAL
EARTH EXCAVATION	CU YD	47
FURNISHED EXCAVATION	CU YD	39
TOPSOIL FURNISH AND PLACE, 4"	SQ YD	463
AGGREGATE BASE COURSE, TYPE A 6"	SO YD	32
AGGREGATE BASE COURSE, TYPE A 12"	SO YD	81
LEVELING BINDER (MACHINE METHOD), IL-9.5 FG N50	TON	4.3
HOT-MIX ASPHALT BINDER COURSE, IL-19.0 FG, N50	TON	12.9
HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	169.2
PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	41
DETECTABLE WARNINGS	SO FT	21
PAVEMENT REMOVAL	SO YD	29
STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	113
AGGREGATE WEDGE SHOULDER, TYPE B	TON	14.1
SIGN PANEL - TYPE 1	SO FT	17
WOOD SIGN SUPPORT	FOOT	44
PAINT PAVEMENT MARKING - LINE 4"	FOOT	1,060
REMOVE EXISTING PARKING BLOCKS	EACH	21
PRECAST CONCRETE PARKING BLOCK	EACH	27
FOLD DOWN BOLLARDS	EACH	1
BOLLARD REMOVAL	EACH	1
BITUMINOUS MATERIALS (PRIME COAT)	POUND	907



FILE NAME = L:\1001\1186610\WD-17\Draw\CADD_Sheets\46302_sht_BlueBird-SitePlan.dgn	USER NAME = Brad Downen	DESIGNED - MJO	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SITE PLAN - BLUEBIRD KANKAKEE RIVER STATE PARK		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Default	PLOT SCALE = 40.0000' / in.	DRAWN - RAH	REVISED -		SCALE: 1" = 20'	SHEET 1 OF 1 SHEETS	STA.	TO STA.	WILL AND KANKAKEE	*	69	28
	PLOT DATE = 3/28/2014	CHECKED - BJD	REVISED -						CONTRACT NO. 46302			
		DATE - 3/28/2014	REVISED -						ILLINOIS FED. AID PROJECT			



FILE NAME = L:\1001\1105610\10.17\Draw\CADD_Sheets\46302_sht_Potawatomi-80\Alignment.dgn	USER NAME = Brad Downen	DESIGNED - MJO	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ALIGNMENT - POTAWATOMI CAMPGROUND ROAD KANKAKEE RIVER STATE PARK		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default	PLOT SCALE = 100.0000' / 1" = 100.0000'	CHECKED - BJD	REVISED -		SCALE: 1" = 50'	SHEET 1 OF 7 SHEETS	STA. 102+14.03 TO STA. 227+00.00	PARK ROADS		69	30
	PLOT DATE = 3/28/2014	DATE - 3/28/2014	REVISED -					* WILL AND KANKAKEE		CONTRACT NO. 46302	
								ILLINOIS FED. AID PROJECT			



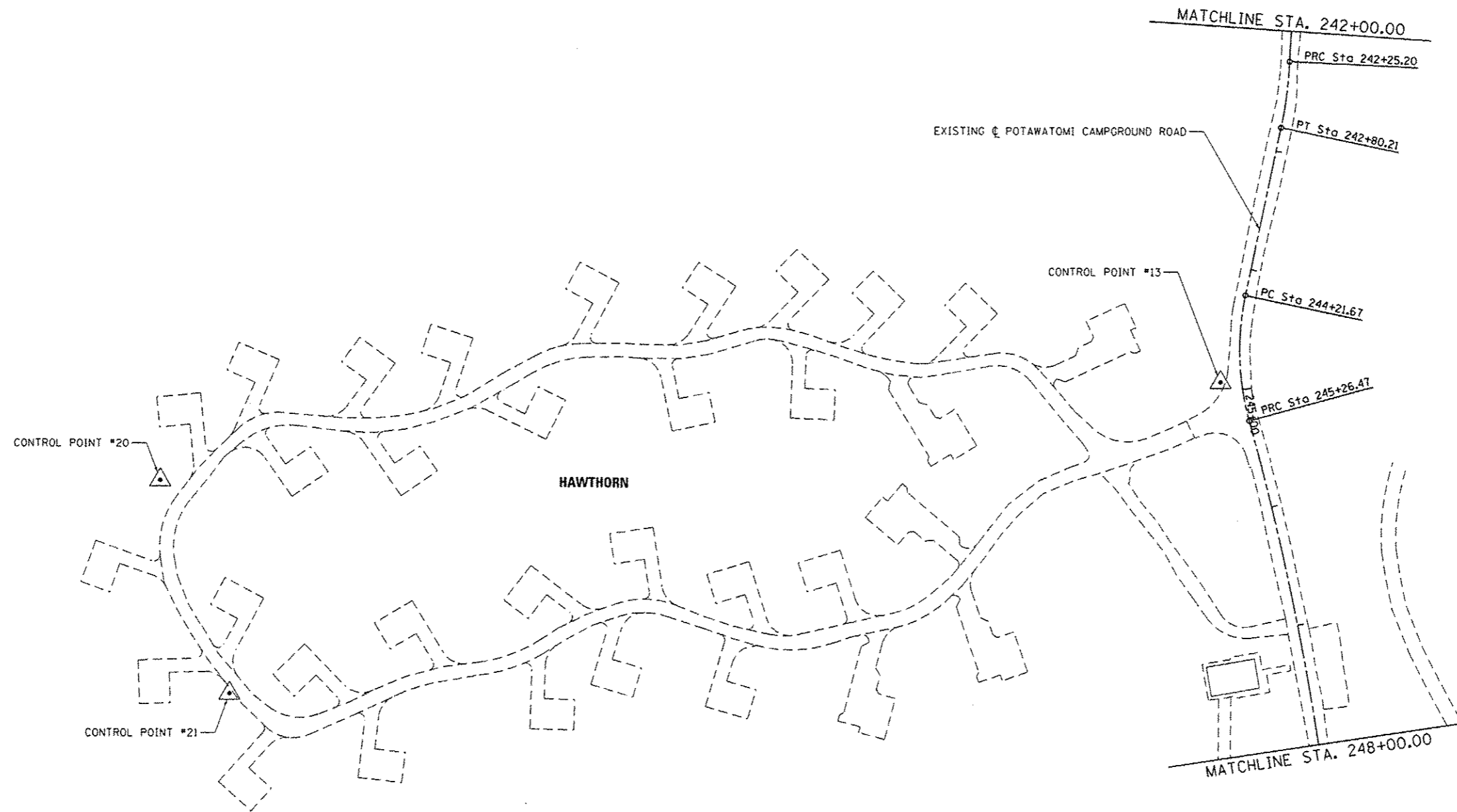
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ALIGNMENT - POTAWATOMI CAMPGROUND ROAD
KANKAKEE RIVER STATE PARK**

SCALE: 1" = 50' SHEET 2 OF 7 SHEETS STA. 227+00 TO STA. 242+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PARK ROADS		69	31
* WILL AND KANKAKEE			CONTRACT NO. 46302	
ILLINOIS FED. AID PROJECT				



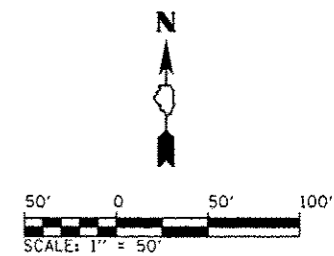
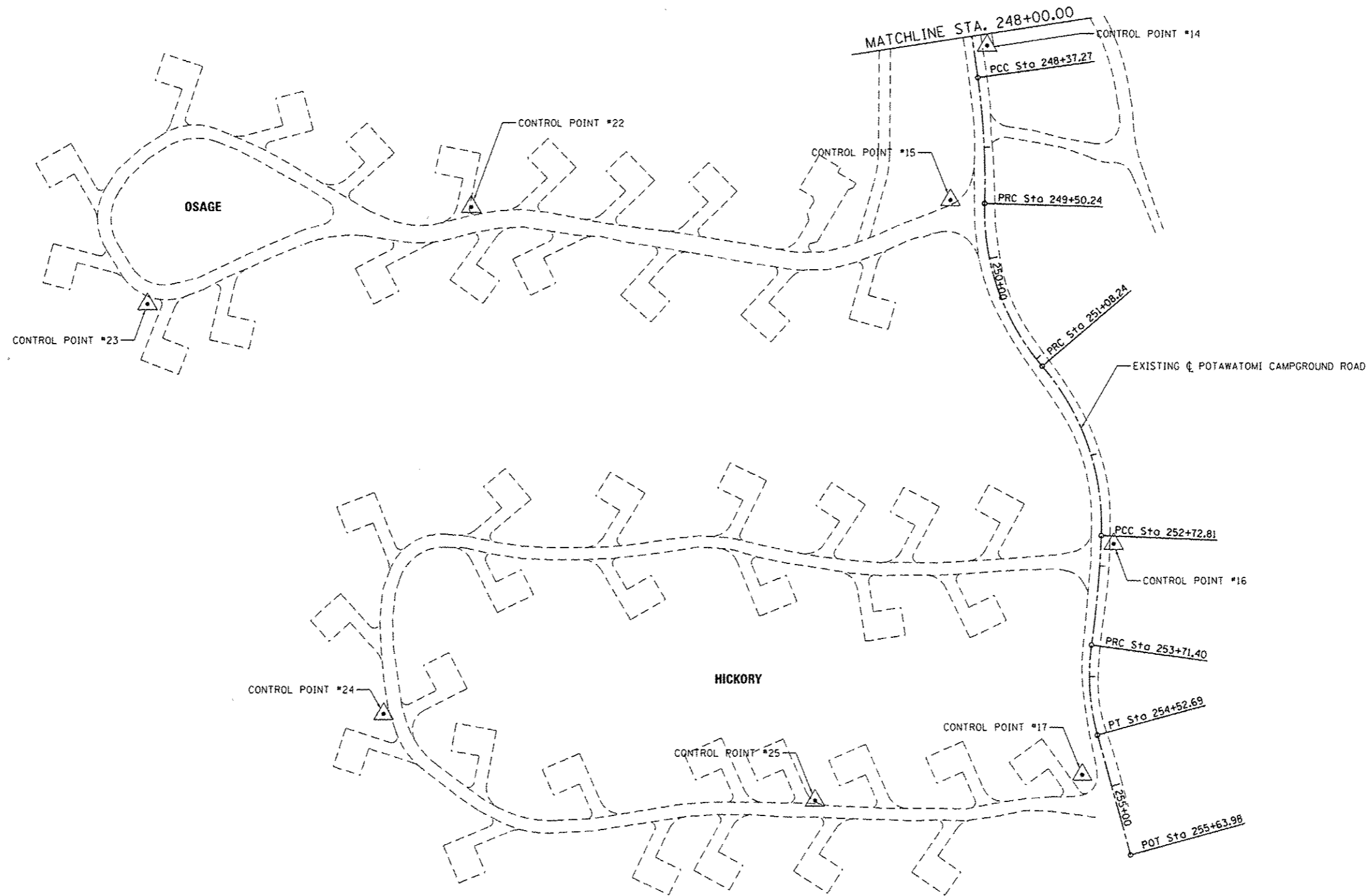
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		DRAWN -	REVISED -
		RAH	
		CHECKED -	REVISED -
		BJD	
		DATE -	REVISED -
		3/28/2014	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ALIGNMENT - POTAWATOMI CAMPGROUND ROAD
KANKAKEE RIVER STATE PARK**

SCALE: 1" = 50' SHEET 3 OF 7 SHEETS STA. 242+00 TO STA. 248+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PARK ROADS	*	69	32
* WILL AND KANKAKEE			CONTRACT NO. 46302	
ILLINOIS FED. AID PROJECT				



FILE NAME :	USER NAME : Brad Downen	DESIGNED - MJO	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ALIGNMENT - POTAWATOMI CAMPGROUND ROAD KANKAKEE RIVER STATE PARK	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
L:\V\DOT\1186610\1\17\ND-pw\CA00-5\spots\ND\46302.sht Potawatomi-2014\alignment.dgn	DRAWN - RAH	REVISED -				PARK ROADS	*	69	33	
Default	PLOT SCALE = 100.0000 1/ in.	CHECKED - BJD	REVISED -			* WILL AND KANKAKEE	CONTRACT NO. 46302			
	PLOT DATE = 3/28/2014	DATE - 3/28/2014	REVISED -			ILLINOIS FED. AID PROJECT				
					SCALE: 1" = 50'	SHEET 4 OF 7 SHEETS	STA. 248+00	TO STA. 255+63.98		

COORDINATE DATA

POTAWATOMI CAMPGROUND ROAD

P.O.T. STA. 200+00.00
N. : 1648936.681
E. : 1085027.930

P.I. STA. 201+19.72
N. : 1648822.192
E. : 1085062.950

P.C.C. STA. 202+38.36
N. : 1648718.925
E. : 1085123.529

P.I. STA. 204+35.27
N. : 1648549.084
E. : 1085223.162

P.R.C. STA. 206+30.90
N. : 1648402.063
E. : 1085354.147

P.I. STA. 207+11.59
N. : 1648341.813
E. : 1085407.826

P.T. STA. 207+92.11
N. : 1648275.943
E. : 1085454.437

P.C. STA. 209+49.71
N. : 1648147.295
E. : 1085545.472

P.I. STA. 210+35.57
N. : 1648077.214
E. : 1085595.062

P.T. STA. 211+20.28
N. : 1648023.697
E. : 1085662.192

P.C. STA. 211+81.96
N. : 1647985.244
E. : 1085710.425

P.I. STA. 212+19.02
N. : 1647962.147
E. : 1085739.397

P.T. STA. 212+56.00
N. : 1647936.160
E. : 1085765.807

P.C. STA. 214+46.48
N. : 1647802.561
E. : 1085901.581

P.I. STA. 216+00.02
N. : 1647694.870
E. : 1085011.025

P.C.C. STA. 217+53.35
N. : 1647577.578
E. : 1086110.111

P.I. STA. 217+79.24
N. : 1647557.805
E. : 1086126.816

P.R.C. STA. 218+04.11
N. : 1647532.533
E. : 1086132.415

P.I. STA. 218+34.26
N. : 1647503.095
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P.C.C. STA. 218+63.56
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P.I. STA. 218+85.66
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P.C.C. STA. 219+07.62
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P.I. STA. 219+23.71
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P.R.C. STA. 219+39.32
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P.I. STA. 219+74.94
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P.R.C. STA. 220+10.24
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E. : 1086276.715

P.I. STA. 220+44.65
N. : 1647381.044
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P.T. STA. 220+78.84
N. : 1647368.794
E. : 1086338.071

P.C. STA. 222+17.79
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P.I. STA. 222+55.66
N. : 1647305.842
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P.T. STA. 222+93.06
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P.C. STA. 223+55.74
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P.I. STA. 224+97.45
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P.T. STA. 225+15.37
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P.C. STA. 225+89.86
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P.I. STA. 226+21.49
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P.T. STA. 226+47.27
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P.C. STA. 227+23.02
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E. : 1086924.656

P.I. STA. 227+66.71
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P.T. STA. 228+06.53
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P.C. STA. 229+34.61
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P.I. STA. 229+87.76
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P.C.C. STA. 230+39.23
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P.I. STA. 231+71.61
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P.R.C. STA. 233+02.51
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P.I. STA. 233+74.10
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P.C.C. STA. 234+45.39
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P.I. STA. 235+58.68
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P.C.C. STA. 236+55.30
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P.I. STA. 237+26.57
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P.T. STA. 237+94.78
N. : 1647319.927
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P.C. STA. 239+44.58
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P.I. STA. 240+02.81
N. : 1647141.802
E. : 1087998.759

P.T. STA. 240+56.77
N. : 1647083.978
E. : 1087991.955

P.C. STA. 241+37.85
N. : 1647003.452
E. : 1087982.479

P.I. STA. 241+81.54
N. : 1646960.060
E. : 1087977.373

P.R.C. STA. 242+25.20
N. : 1646916.412
E. : 1087975.436

P.I. STA. 242+52.76
N. : 1646888.872
E. : 1087974.214

P.T. STA. 242+80.21
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E. : 1087968.571

P.C. STA. 244+21.67
N. : 1646723.426
E. : 1087939.615

P.I. STA. 244+75.08
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E. : 1087928.682

P.R.C. STA. 245+26.47
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E. : 1087942.939

P.I. STA. 246+82.10
N. : 1646469.686
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P.C.C. STA. 248+37.27
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E. : 1088005.924

P.I. STA. 248+93.89
N. : 1646259.470
E. : 1088013.724

P.R.C. STA. 249+50.24
N. : 1646202.879
E. : 1088012.213

P.I. STA. 250+33.00
N. : 1646120.147
E. : 1088010.005

P.R.C. STA. 251+08.24
N. : 1646057.288
E. : 1088063.840

P.I. STA. 251+94.59
N. : 1645991.705
E. : 1088120.008

P.C.C. STA. 252+72.81
N. : 1645905.425
E. : 1088116.571

P.I. STA. 253+22.14
N. : 1645856.132
E. : 1088114.607

P.R.C. STA. 253+71.40
N. : 1645807.259
E. : 1088107.895

P.I. STA. 254+12.61
N. : 1645766.430
E. : 1088102.288

P.T. STA. 254+52.69
N. : 1645726.710
E. : 1088113.280

MAIN PARK ROAD

P.C. STA. 102+14.03
N. : 1649242.829
E. : 1084892.511

P.I. STA. 102+64.41
N. : 1649209.847
E. : 1084930.596

P.C.C. STA. 103+13.22
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E. : 1084951.405

P.I. STA. 104+09.47
N. : 1649076.307
E. : 1084991.159

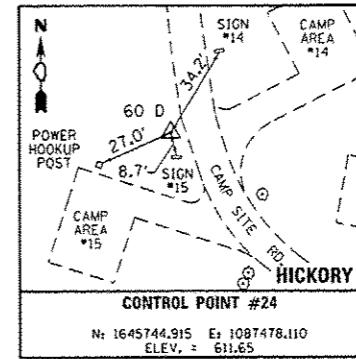
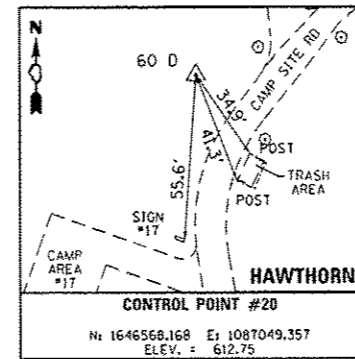
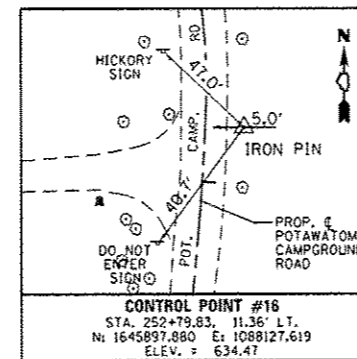
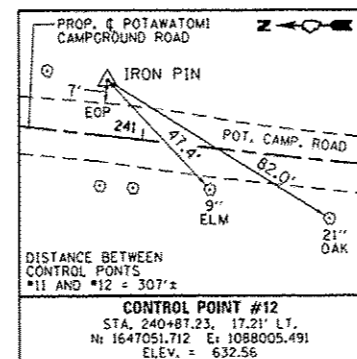
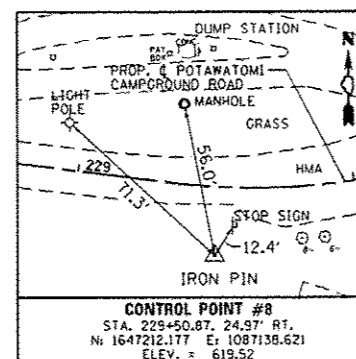
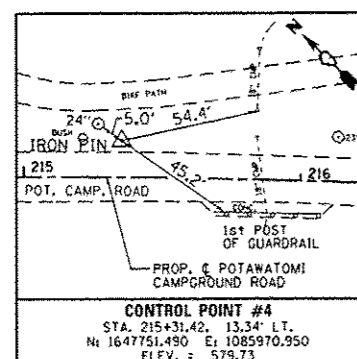
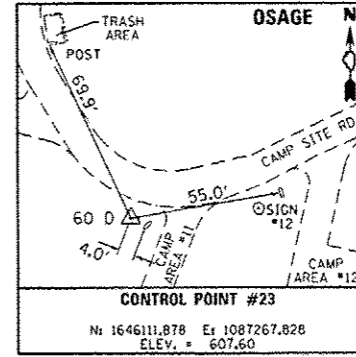
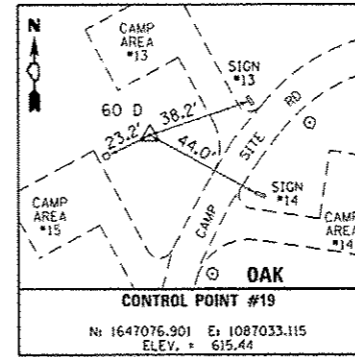
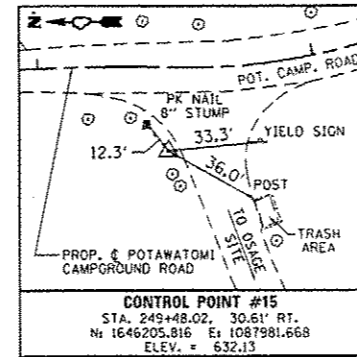
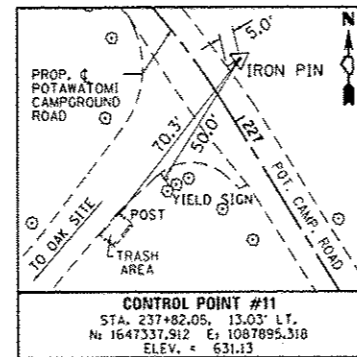
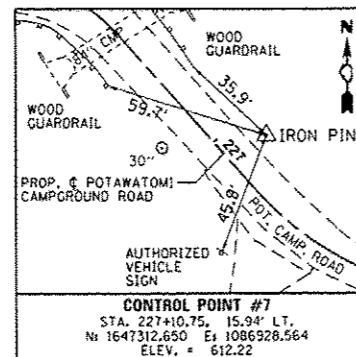
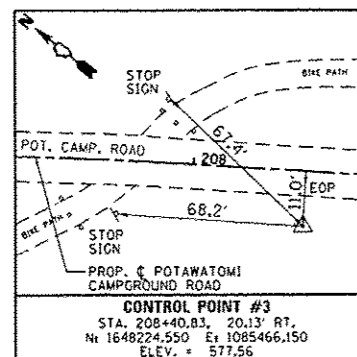
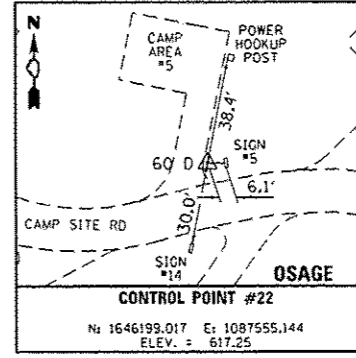
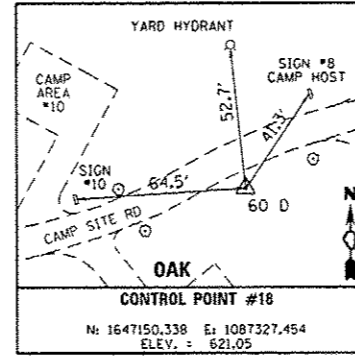
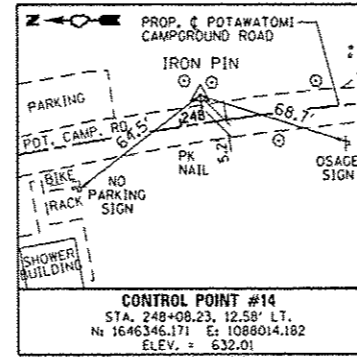
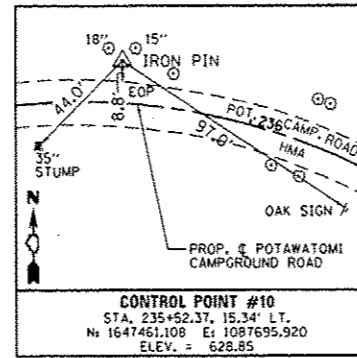
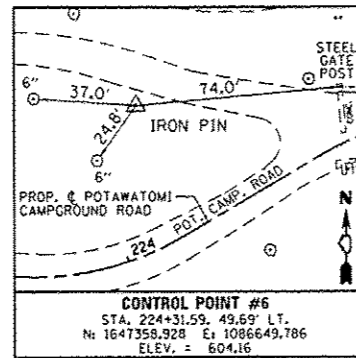
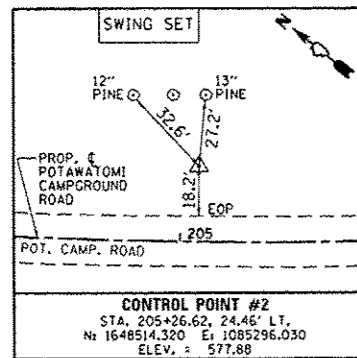
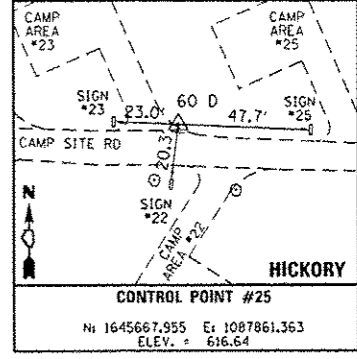
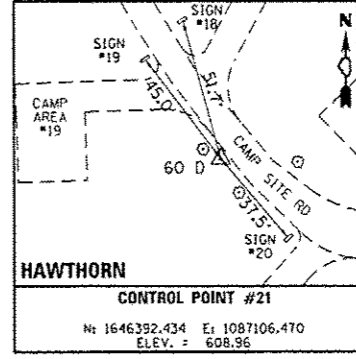
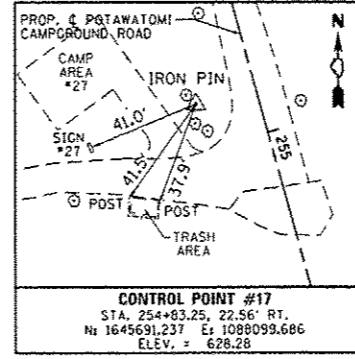
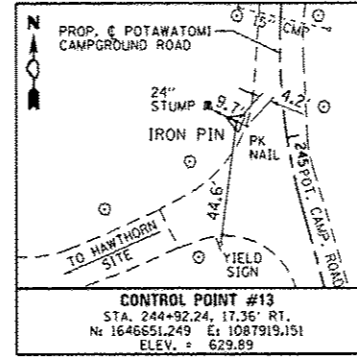
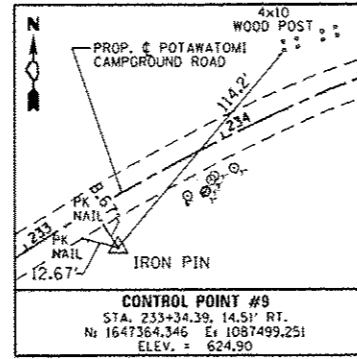
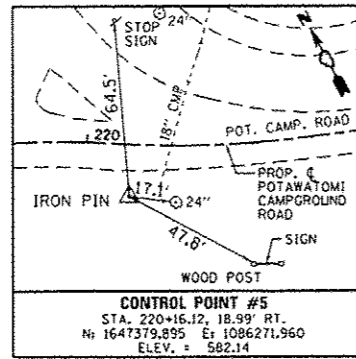
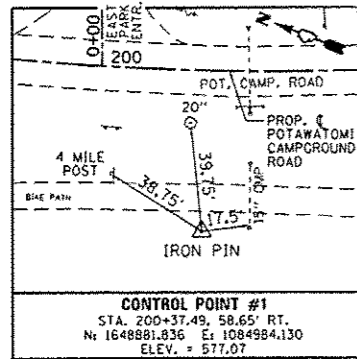
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P.I. STA. 105+29.31
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E. : 1085020.887

P.T. STA. 105+53.38
N. : 1648936.681
E. : 1085027.930

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	PLT SCALE : 100.0000' / in.	CHECKED - BJD	REVISED -			PARK ROADS		69	35	
	PLT DATE : 3/28/2014	DATE - 3/28/2014	REVISED -			* WILL AND KANKAKEE		CONTRACT NO. 46302		
Default					SCALE: N/A	SHEET 6 OF 7 SHEETS	STA.	TO STA.	[ILLINOIS] FED. AID PROJECT	

CONTROL POINTS



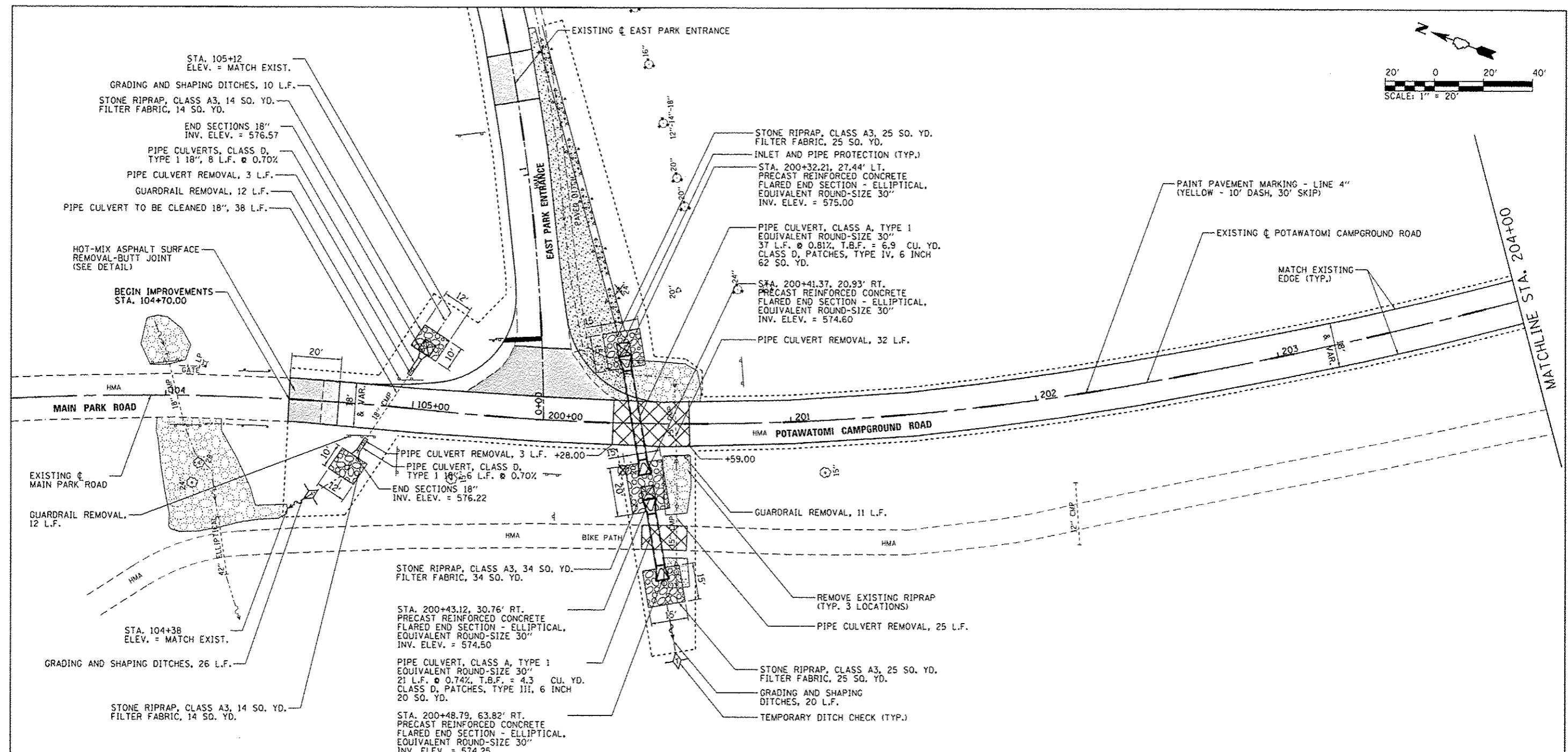
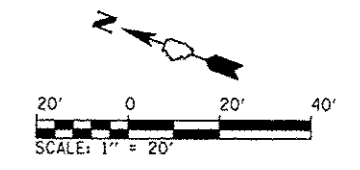
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		DRAWN - RAH	REVISED -
		CHECKED - BJD	REVISED -
		DATE - 3/28/2014	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ALIGNMENT - POTAWATOMI CAMPGROUND ROAD
 KANKAKEE RIVER STATE PARK**

SCALE: N/A SHEET 7 OF 7 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PARK ROADS	*	69	36
* WILL AND KANKAKEE			CONTRACT NO. 46302	
ILLINOIS FED. AID PROJECT				



BILL OF MATERIALS - POTAWATOMI CAMPGROUND ROAD

ITEM	UNIT	TOTAL
EARTH EXCAVATION	CU YD	362
FURNISHED EXCAVATION	CU YD	263
TRENCH BACKFILL	CU YD	11.2
TOPSOIL FURNISH AND PLACE, 4"	SO YD	1,691
GRADING AND SHAPING DITCHES	FOOT	302
TEMPORARY DITCH CHECKS	FOOT	48
PERIMETER EROSION BARRIER	FOOT	955
INLET AND PIPE PROTECTION	EACH	7
STONE RIPRAP, CLASS A3	SO YD	112
FILTER FABRIC	SO YD	112
AGGREGATE BASE COURSE, TYPE A 6"	SO YD	70
AGGREGATE BASE COURSE, TYPE A 12"	SO YD	759
AGGREGATE FOR TEMPORARY ACCESS	TON	370.0
LEVELING BINDER (MACHINE METHOD), IL-9.5 FG, N50	TON	77.3
HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SO YD	40
HOT-MIX ASPHALT BINDER COURSE, IL 19.0 FG, N50	TON	62.1

BILL OF MATERIALS - POTAWATOMI CAMPGROUND ROAD

ITEM	UNIT	TOTAL
HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	1,411.4
PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SO FT	129
DETECTABLE WARNINGS	SO FT	64
PAVEMENT REMOVAL	SO YD	1,034
CLASS D PATCHES, TYPE II, 6 INCH	SO YD	24
CLASS D PATCHES, TYPE III, 6 INCH	SO YD	37
CLASS D PATCHES, TYPE IV, 6 INCH	SO YD	62
STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	1,274
AGGREGATE WEDGE SHOULDER, TYPE B	TON	89.6
PIPE CULVERT REMOVAL	FOOT	63
PIPE CULVERTS, CLASS A, TYPE 1 EQ. ROUND-SIZE 30"	FOOT	58
PIPE CULVERTS, CLASS D, TYPE 1 18"	FOOT	14
END SECTIONS 18"	EACH	2
PRECAST REINF. CONC. FLARED END SECTIONS, EQRS 30"	EACH	4
INLETS, TYPE A, TYPE 1 FRAME, CLOSED LID	EACH	1
GUARDRAIL REMOVAL	FOOT	217

BILL OF MATERIALS - POTAWATOMI CAMPGROUND ROAD

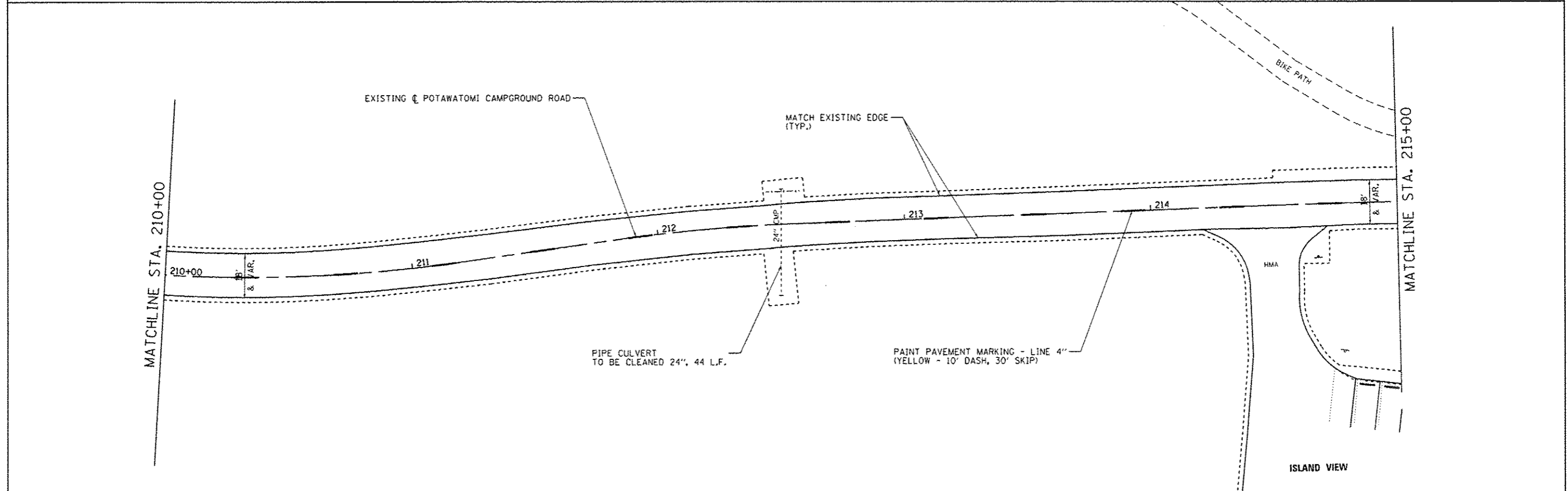
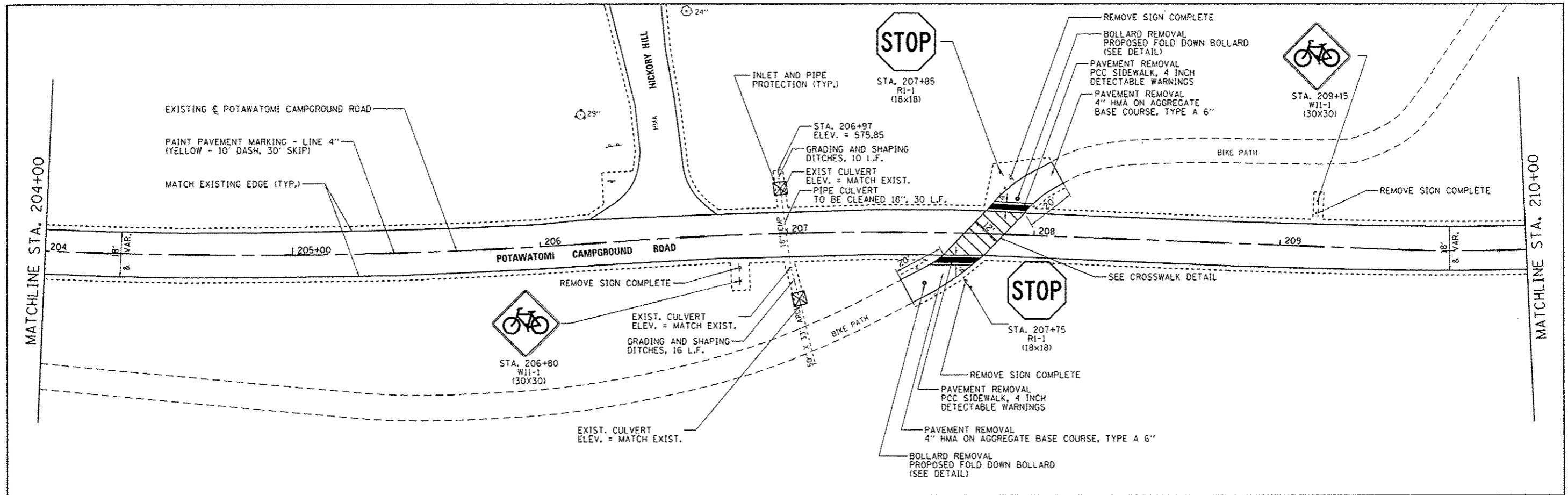
ITEM	UNIT	TOTAL
SIGN PANEL - TYPE 1	SO FT	37
RELOCATE SIGN PANEL - TYPE 1	SO FT	3
WOOD SIGN SUPPORT	FOOT	142
PAINT PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	48
PAINT PAVEMENT MARKING - LINE 4"	FOOT	1,080
PAINT PAVEMENT MARKING - LINE 6"	FOOT	98
PAINT PAVEMENT MARKING - LINE 12"	FOOT	148
GUARDRAIL MARKERS, TYPE B 1 1/2"	EACH	10
UNDERGROUND CONDUIT, PVC, 1/2" DIA.	FOOT	1,845
ELECT. CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/2" NO. 10	FOOT	5,607
LIGHT POLE, WOOD, 30 FOOT, CLASS 5	EACH	5
REMOVE EXISTING GATE	EACH	1
TUBULAR STEEL GATE	EACH	1
FIBER-MODIFIED ASPHALT CRACK SEALING	FOOT	450
FOLD DOWN BOLLARDS	EACH	2
BOLLARD REMOVAL	EACH	2

BILL OF MATERIALS - POTAWATOMI CAMPGROUND ROAD

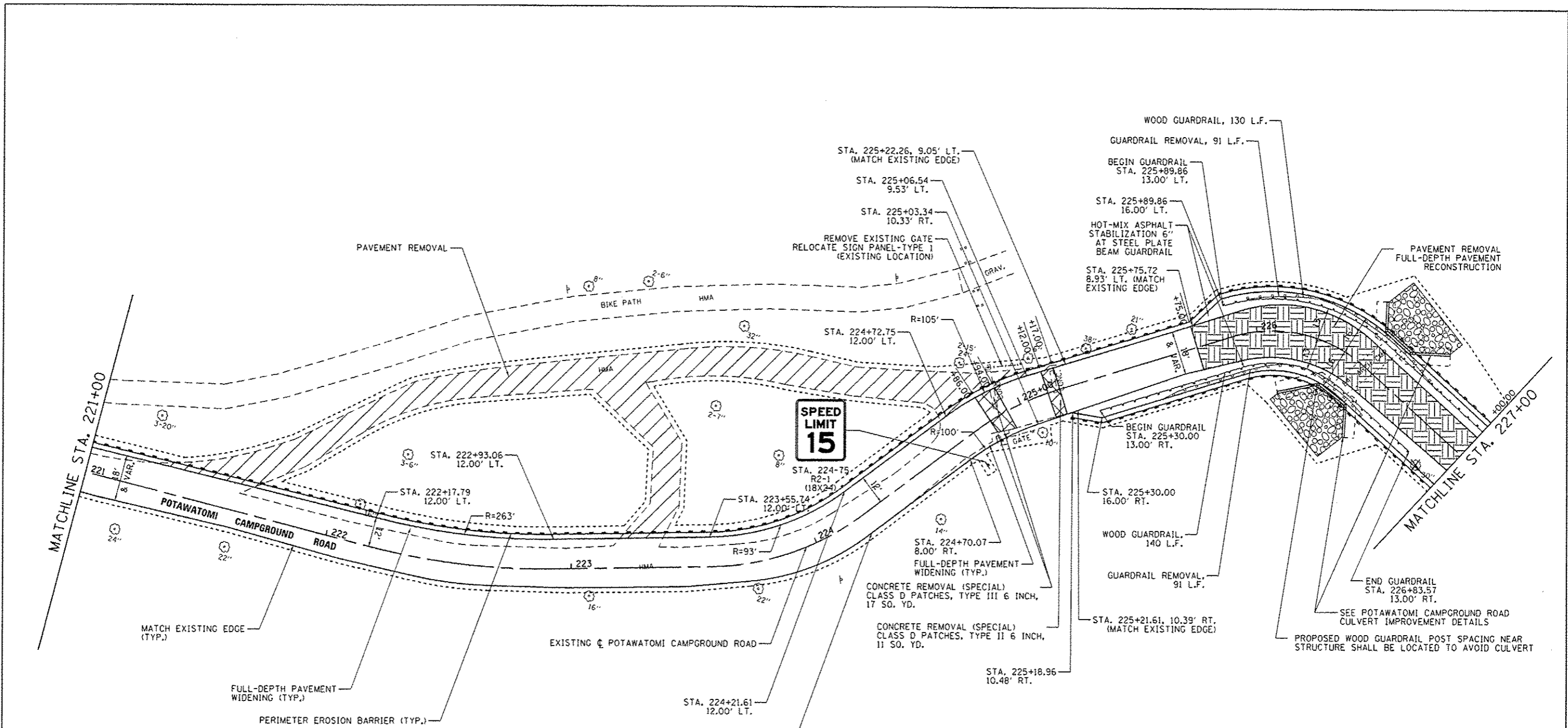
ITEM	UNIT	TOTAL
AGGREGATE SHOULDERS (SPECIAL)	TON	6.7
PIPE CULVERTS TO BE CLEANED 12"	FOOT	32
PIPE CULVERTS TO BE CLEANED 15"	FOOT	32
PIPE CULVERTS TO BE CLEANED 18"	FOOT	139
PIPE CULVERTS TO BE CLEANED 24"	FOOT	44
REMOVE SIGN COMPLETE	EACH	6
LUMINAIRE (SPECIAL)	EACH	6
HOT-MIX ASPHALT STABILIZATION 6" AT SPBGR	SO YD	270
CONCRETE REMOVAL (SPECIAL)	SO YD	30
BITUMINOUS MATERIALS (PRIME COAT)	POUND	6,779
WOOD GUARDRAIL	FOOT	270

* QUANTITIES ARE ESTIMATED AND SHALL ONLY BE USED AT THE DISCRETION OF THE ENGINEER.

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Default	PLOT SCALE = 48.0000' / in.	DRAWN - RAH	REVISED -	DEPARTMENT OF TRANSPORTATION	KANKAKEE RIVER STATE PARK		PARK ROADS		69	37
	PLOT DATE = 3/28/2014	CHECKED - BJD	REVISED -		SCALE: 1" = 20'	SHEET 1 OF 7 SHEETS		STA. 103+40 TO STA. 204+00	CONTRACT NO. 46302	
		DATE = 3/28/2014	REVISED -			ILLINOIS FED. AID PROJECT				

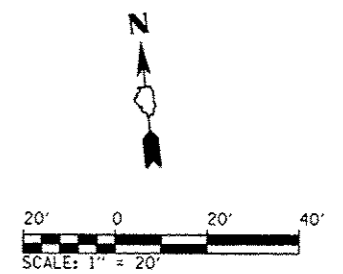


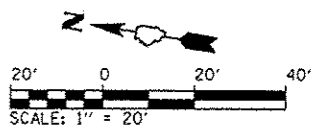
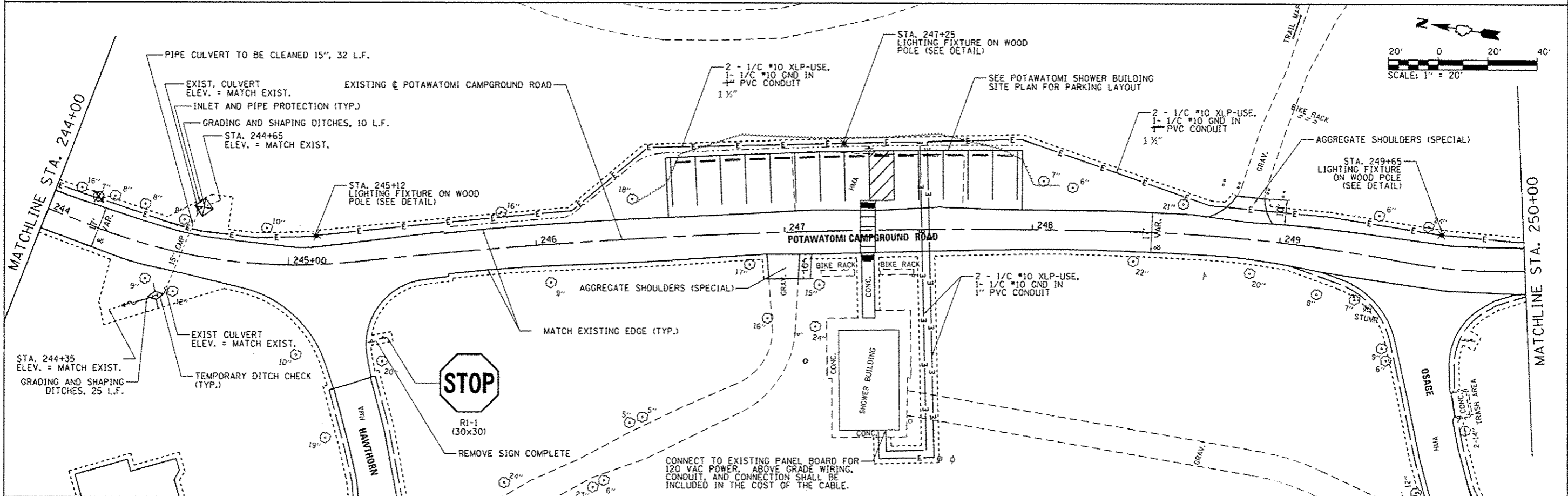
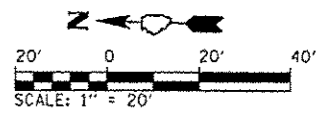
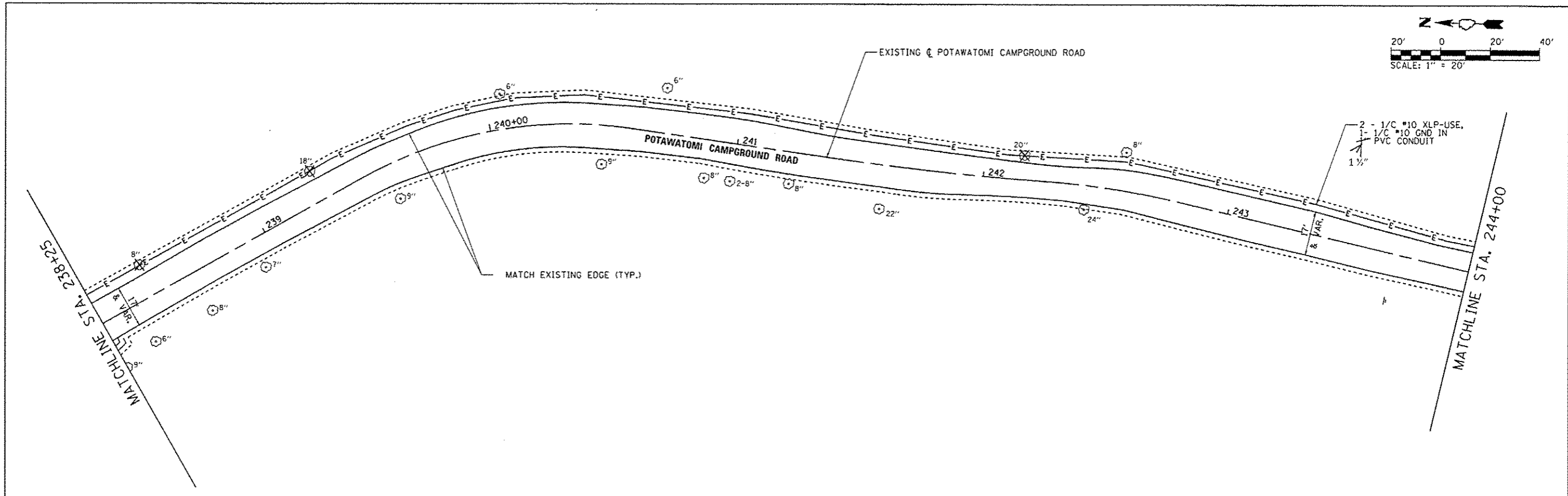
FILE NAME: L:\DOT\1180610\W017\Draw\CR00.Sheets\046302.sht Potawatomi-008SitePlan.dgn	USER NAME: Brad Downen	DESIGNED: MJJ	REVISED:	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SITE PLAN - POTAWATOMI CAMPGROUND ROAD KANKAKEE RIVER STATE PARK	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default	PLOT SCALE: 40,0000' / in.	CHECKED: BJD	REVISED:			• WILL AND KANKAKEE	CONTRACT NO. 46302			
	PLOT DATE: 3/28/2014	DATE: 3/28/2014	REVISED:			[ILLINOIS] FED. AID PROJECT				
						SCALE: 1" = 20' SHEET 2 OF 7 SHEETS STA. 204+00 TO STA. 215+00				



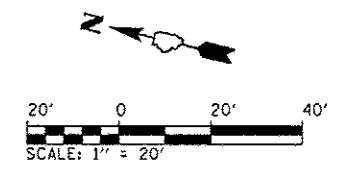
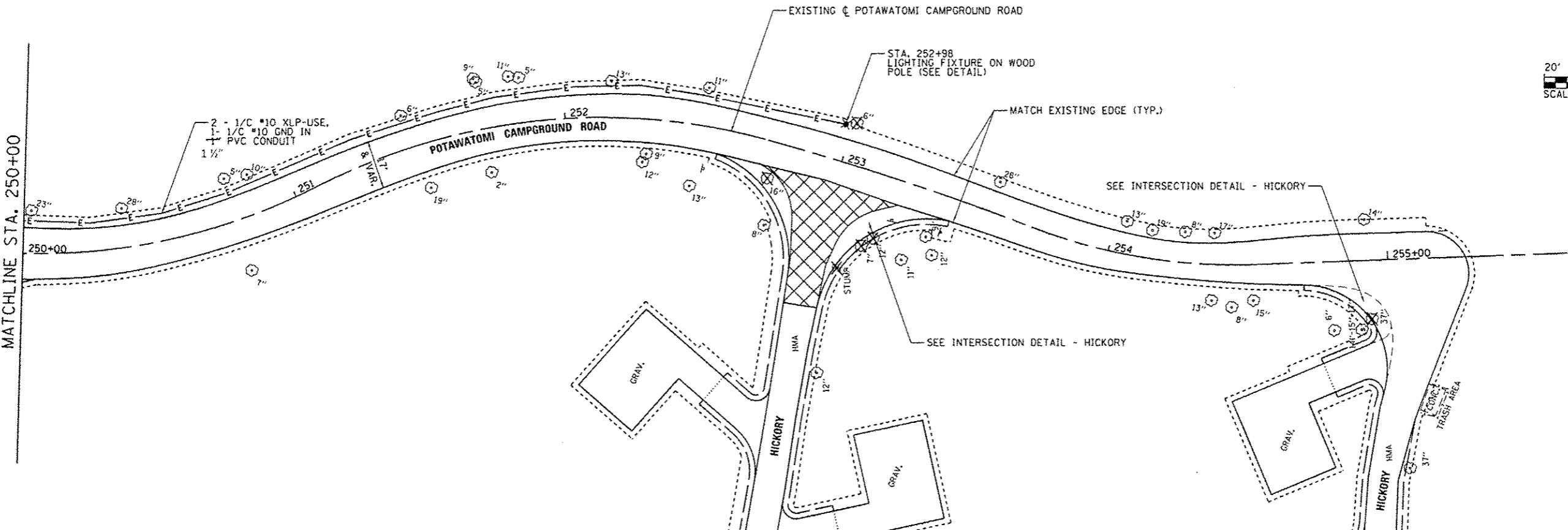
ROADWAY RECONSTRUCTION DETAILS

STATION	P.G.L.	LT. SLOPE	RT. SLOPE	COMMENT
225+75.00	603.61	0.56%	2.13%	MATCH EXISTING SLOPE
226+00.00	603.89	2.95%	2.95%	
226+25.00	604.58	3.77%	3.77%	
226+50.00	605.78	4.18%	4.18%	
226+75.00	607.89	1.32%	1.32%	
227+00.00	609.81	1.53%	1.32%	MATCH EXISTING SLOPE





FILE NAME : L:\DOT\1106618\WD\17\Draw\CADD_Sheets\1046302.sht Potawatomi-0125\SitePlan.dgn	USER NAME : Bred Downen	DESIGNED - MJO	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SITE PLAN - POTAWATOMI CAMPGROUND ROAD KANKAKEE RIVER STATE PARK	F.A. RTE.	SECTION PARK ROADS	COUNTY WILL AND KANKAKEE	TOTAL SHEETS 69	SHEET NO. 42		
Default	PLOT SCALE : 40.0000 / in.	CHECKED - BJD	REVISED -			SCALE: 1" = 20'	SHEET 6 OF 7 SHEETS	STA. 238+25 TO STA. 250+00	CONTRACT NO. 46302			
	PLOT DATE : 3/28/2014	DATE - 3/28/2014	REVISED -			ILLINOIS FED. AID PROJECT						

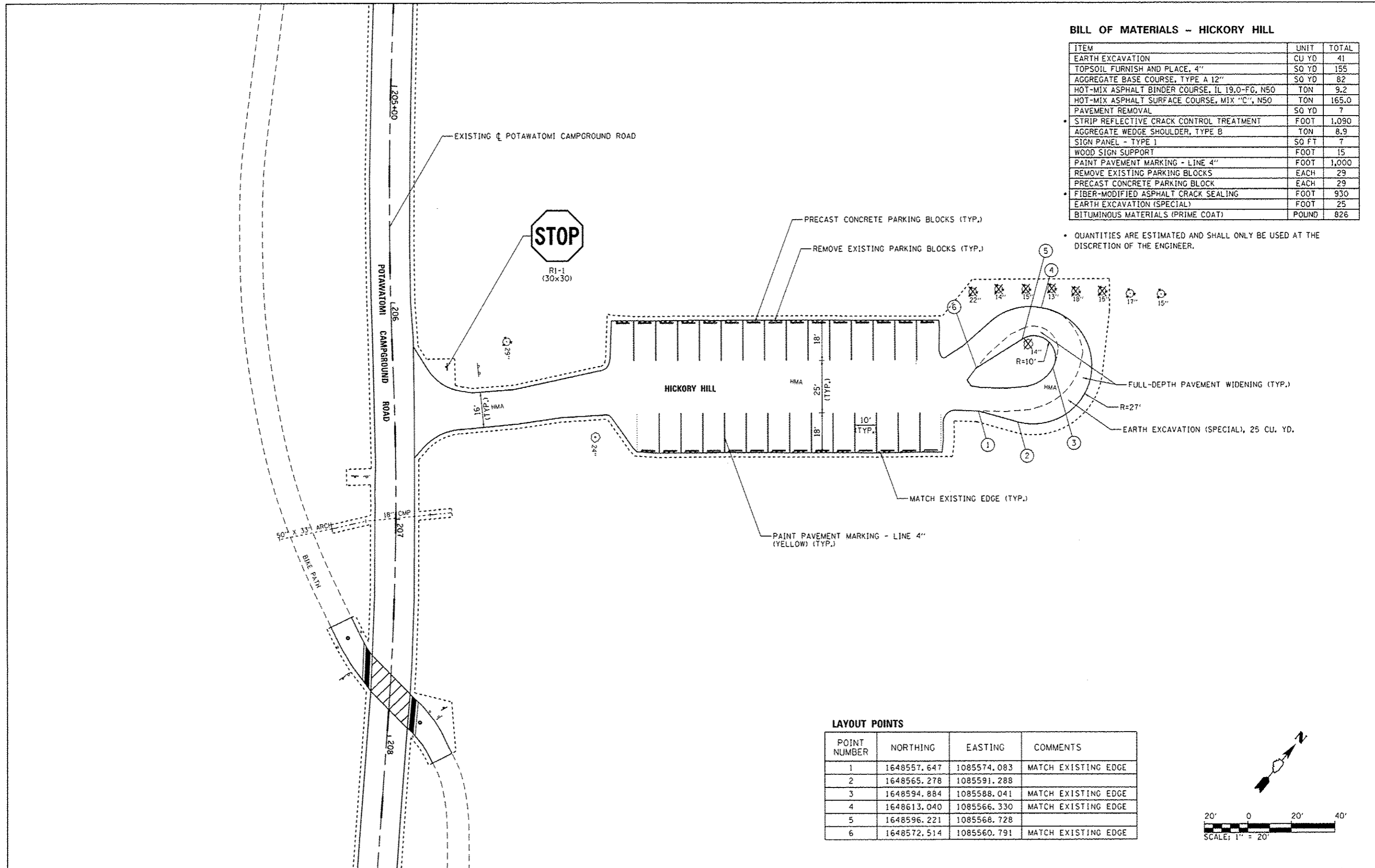


FILE NAME : L:\100T\1186618\10_17\Draw\CADD_Sheets\046382_sht_Potawatomi-013SitePlan.dgn	USER NAME : Brad Downen	DESIGNED - MJO	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SITE PLAN - POTAWATOMI CAMPGROUND ROAD KANKAKEE RIVER STATE PARK		F.A. RTE.	SECTION PARK ROADS	COUNTY •	TOTAL SHEETS 69	SHEET NO. 43	
Default	PLOT SCALE : 40,0000' / in.	CHECKED - BJD	REVISED -		SCALE: 1" = 20'	SHEET 7	OF 7 SHEETS	STA. 250+00	TO STA. 255+63.98	CONTRACT NO. 46302		
	PLOT DATE : 3/28/2014	DATE - 3/28/2014	REVISED -		ILLINOIS FED. AID PROJECT							

BILL OF MATERIALS - HICKORY HILL

ITEM	UNIT	TOTAL
EARTH EXCAVATION	CU YD	41
TOPSOIL FURNISH AND PLACE, 4"	SQ YD	155
AGGREGATE BASE COURSE, TYPE A 12"	SQ YD	82
HOT-MIX ASPHALT BINDER COURSE, IL 19.0-FG, N50	TON	9.2
HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	165.0
PAVEMENT REMOVAL	SQ YD	7
STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	1,090
AGGREGATE WEDGE SHOULDER, TYPE B	TON	8.9
SIGN PANEL - TYPE 1	SQ FT	7
WOOD SIGN SUPPORT	FOOT	15
PAINT PAVEMENT MARKING - LINE 4"	FOOT	1,000
REMOVE EXISTING PARKING BLOCKS	EACH	29
PRECAST CONCRETE PARKING BLOCK	EACH	29
FIBER-MODIFIED ASPHALT CRACK SEALING	FOOT	930
EARTH EXCAVATION (SPECIAL)	FOOT	25
BITUMINOUS MATERIALS (PRIME COAT)	POUND	826

• QUANTITIES ARE ESTIMATED AND SHALL ONLY BE USED AT THE DISCRETION OF THE ENGINEER.



LAYOUT POINTS

POINT NUMBER	NORTHING	EASTING	COMMENTS
1	1648557.647	1085574.083	MATCH EXISTING EDGE
2	1648565.278	1085591.288	
3	1648594.884	1085588.041	MATCH EXISTING EDGE
4	1648613.040	1085566.330	MATCH EXISTING EDGE
5	1648596.221	1085568.728	
6	1648572.514	1085560.791	MATCH EXISTING EDGE

FILE NAME :	USER NAME :	DESIGNED :	REVISED :
L:\1007\106610\W0_17\Draw\CADD_Sheets\046302.sht HickoryHill-SitePlan.dgn	Brad Downen	MJO	
		DRAWN :	REVISED :
		RAH	
		CHECKED :	REVISED :
		BJD	
		DATE :	REVISED :
		3/28/2014	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SITE PLAN - HICKORY HILL
KANKAKEE RIVER STATE PARK**

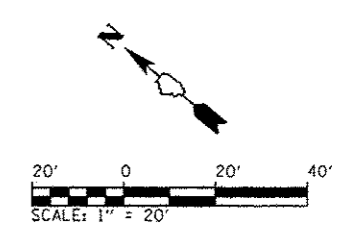
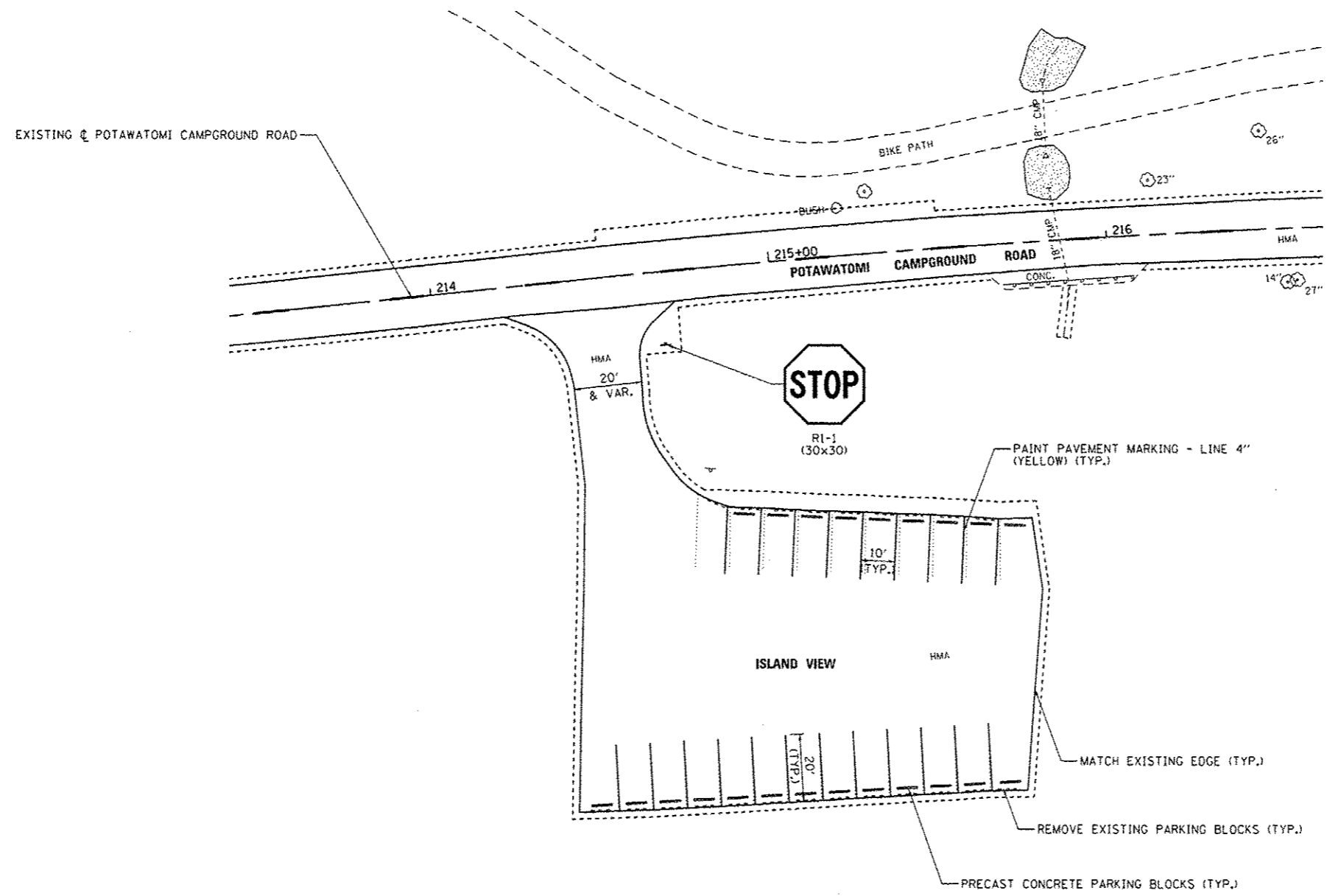
SCALE: 1" = 20' SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PARK ROADS		69	44
• WILL AND KANKAKEE			CONTRACT NO. 46302	
ILLINOIS FED. AID PROJECT				

BILL OF MATERIALS - ISLAND VIEW

ITEM	UNIT	TOTAL
TOPSOIL FURNISH AND PLACE, 4"	SO YD	43
HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	162.1
STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	310
AGGREGATE WEDGE SHOULDER, TYPE B	TON	5.0
SIGN PANEL - TYPE 1	SO FT	7
WOOD SIGN SUPPORT	FOOT	15
PAINT PAVEMENT MARKING - LINE 4"	FOOT	840
REMOVE EXISTING PARKING BLOCKS	EACH	22
PRECAST CONCRETE PARKING BLOCK	EACH	22
FIBER-MODIFIED ASPHALT CRACK SEALING	FOOT	310
BITUMINOUS MATERIALS (PRIME COAT)	POUND	652

• QUANTITIES ARE ESTIMATED AND SHALL ONLY BE USED AT THE DISCRETION OF THE ENGINEER.



FILE NAME =	USER NAME = Brad Downen	DESIGNED - MJO	REVISED -
L:\1007\1100G10\10.17\Draw\CADD\Sheets\046302.sht IslandView-SitePlan.dgn		DRAWN - RAH	REVISED -
Default	PLOT SCALE = 48.0000' / in.	CHECKED - BJD	REVISED -
	PLOT DATE = 3/28/2014	DATE - 3/28/2014	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SITE PLAN - ISLAND VIEW
KANKAKEE RIVER STATE PARK**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PARK ROADS		69	45
• WILL AND KANKAKEE			CONTRACT NO. 46302	
ILLINOIS FED. AID PROJECT				

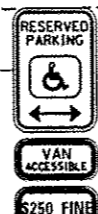
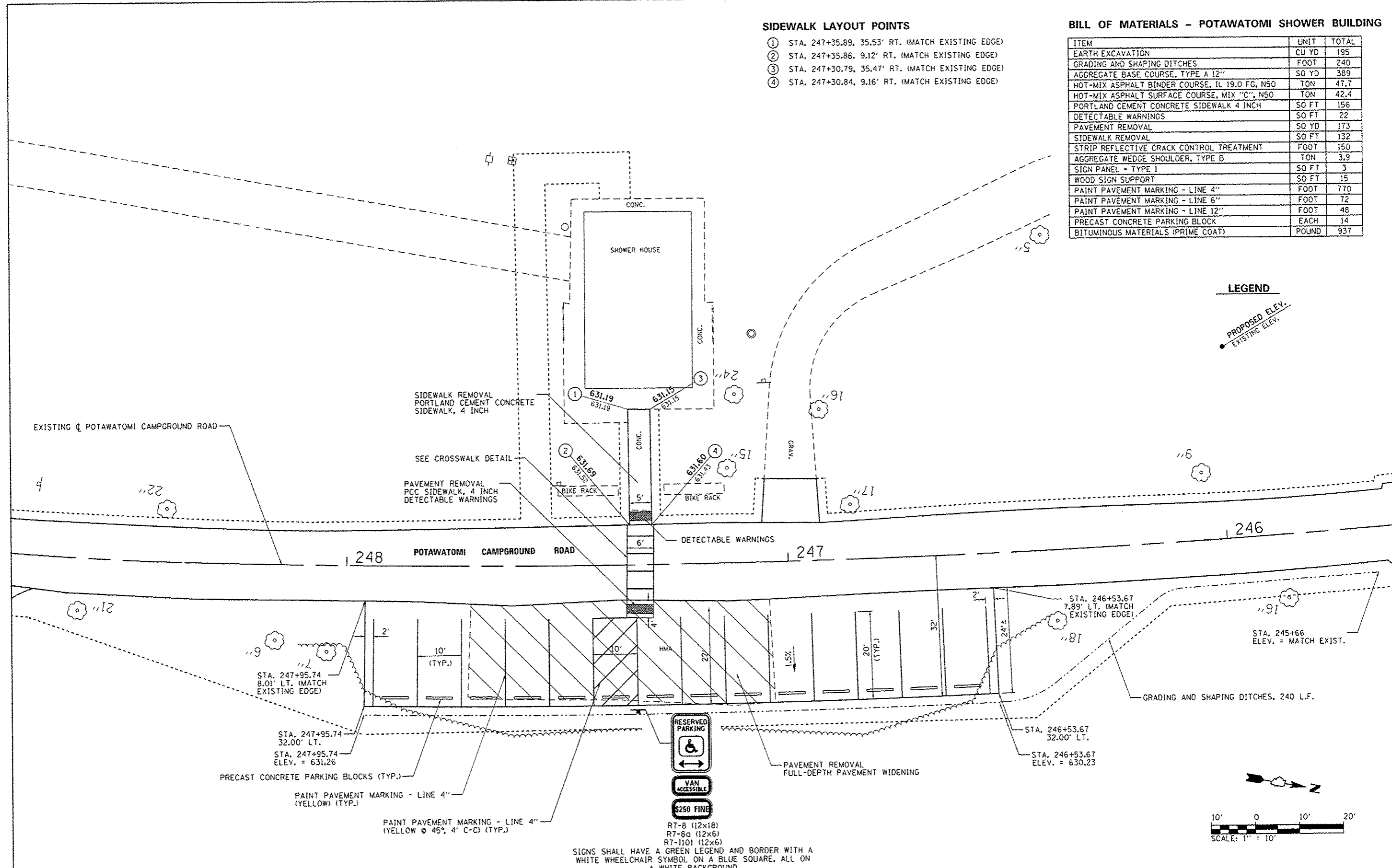
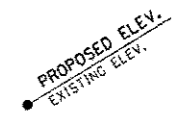
SIDEWALK LAYOUT POINTS

- ① STA. 247+35.89, 35.53' RT. (MATCH EXISTING EDGE)
- ② STA. 247+35.86, 9.12' RT. (MATCH EXISTING EDGE)
- ③ STA. 247+30.79, 35.47' RT. (MATCH EXISTING EDGE)
- ④ STA. 247+30.84, 9.16' RT. (MATCH EXISTING EDGE)

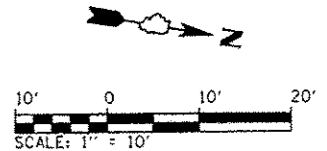
BILL OF MATERIALS - POTAWATOMI SHOWER BUILDING

ITEM	UNIT	TOTAL
EARTH EXCAVATION	CU YD	195
GRADING AND SHAPING DITCHES	FOOT	240
AGGREGATE BASE COURSE, TYPE A 12"	SO YD	389
HOT-MIX ASPHALT BINDER COURSE, IL 19.0 FG, N50	TON	47.7
HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	42.4
PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SO FT	156
DETECTABLE WARNINGS	SO FT	22
PAVEMENT REMOVAL	SO YD	173
SIDEWALK REMOVAL	SO FT	132
STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	150
AGGREGATE WEDGE SHOULDER, TYPE B	TON	3.9
SIGN PANEL - TYPE 1	SO FT	3
WOOD SIGN SUPPORT	SO FT	15
PAINT PAVEMENT MARKING - LINE 4"	FOOT	770
PAINT PAVEMENT MARKING - LINE 6"	FOOT	72
PAINT PAVEMENT MARKING - LINE 12"	FOOT	48
PRECAST CONCRETE PARKING BLOCK	EACH	14
BITUMINOUS MATERIALS (PRIME COAT)	POUND	937

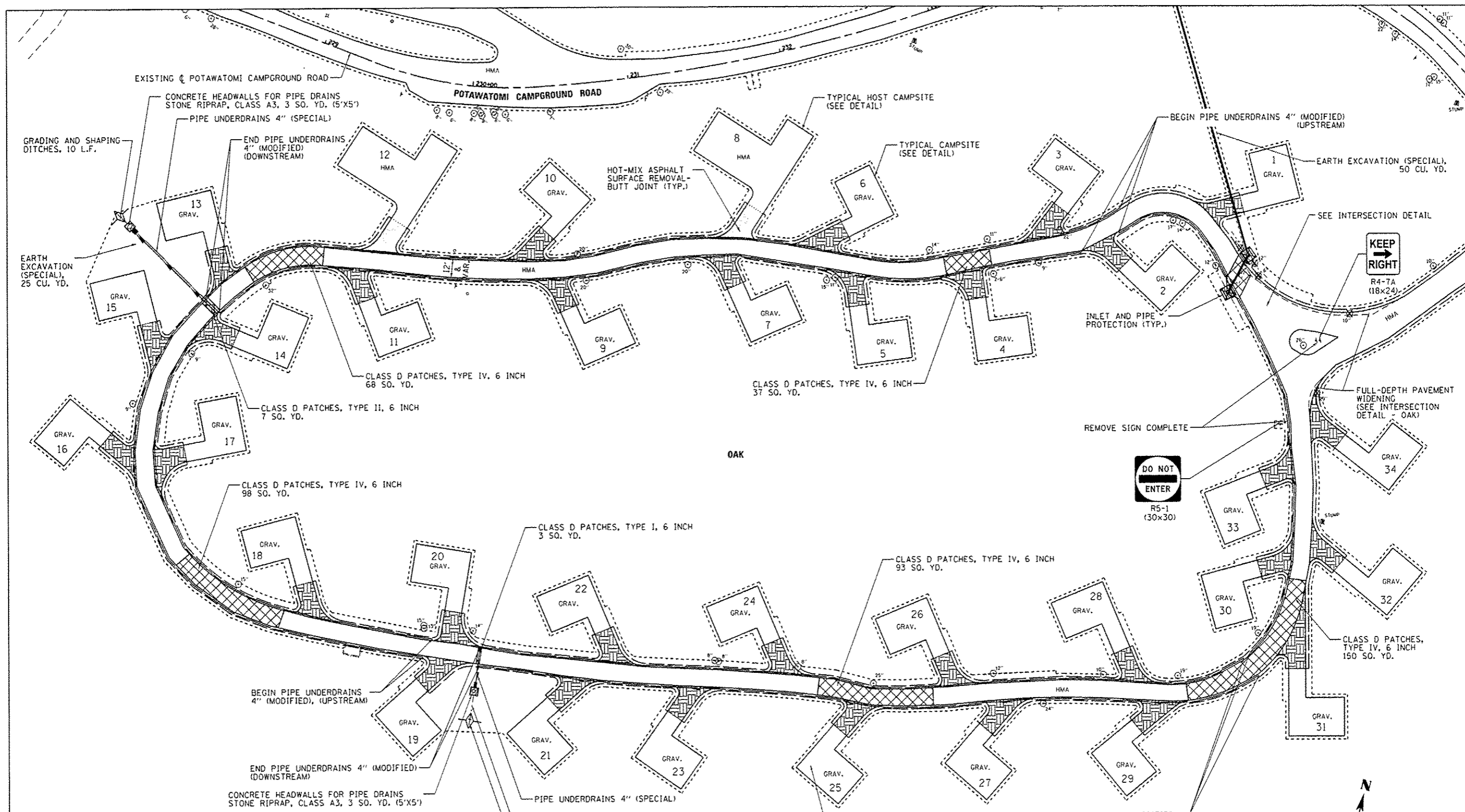
LEGEND



R7-8 (12x18)
R7-8a (12x6)
R7-1101 (12x6)
SIGNS SHALL HAVE A GREEN LEGEND AND BORDER WITH A WHITE WHEELCHAIR SYMBOL ON A BLUE SQUARE, ALL ON A WHITE BACKGROUND



FILE NAME =	USER NAME = Brad Downen	DESIGNED - MJO	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SITE PLAN - POTAWATOMI SHOWER BUILDING KANKAKEE RIVER STATE PARK		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
L:\1001\1186618\MO-17-D-04\CAD\Sheets\046302.sht Shower House-SitePlan.dgn		DRAWN - RAH	REVISED -		SCALE: 1" = 20'	SHEET 1 OF 1 SHEETS	STA.	TO STA.	PARK ROADS		69	46
Default		CHECKED - BJD	REVISED -						* WILL AND KANKAKEE			
		DATE - 3/28/2014	REVISED -						CONTRACT NO. 46302			



- NOTE:**
1. POSITIVE DRAINAGE ALONG CAMPGROUND LOOPS SHALL BE ACHIEVED BY GRADING AND SHAPING DITCHES AS DIRECTED BY THE ENGINEER.
 2. PIPE UNDERDRAIN OUTLET LOCATIONS SHALL BE VERIFIED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER.
 3. ADDITIONAL TREE REMOVAL NOT SHOWN IN PLANS SHALL BE REQUIRED AS DIRECTED BY THE ENGINEER. ADDITIONAL QUANTITIES HAVE BEEN ESTIMATED FOR TREE REMOVAL AT LOCATIONS THAT COULD CONFLICT WITH THE PROPOSED PIPE UNDERDRAIN OR VEHICLE CLEARANCE AND ARE SHOWN IN THE TREE REMOVAL AND PRUNING DETAIL.

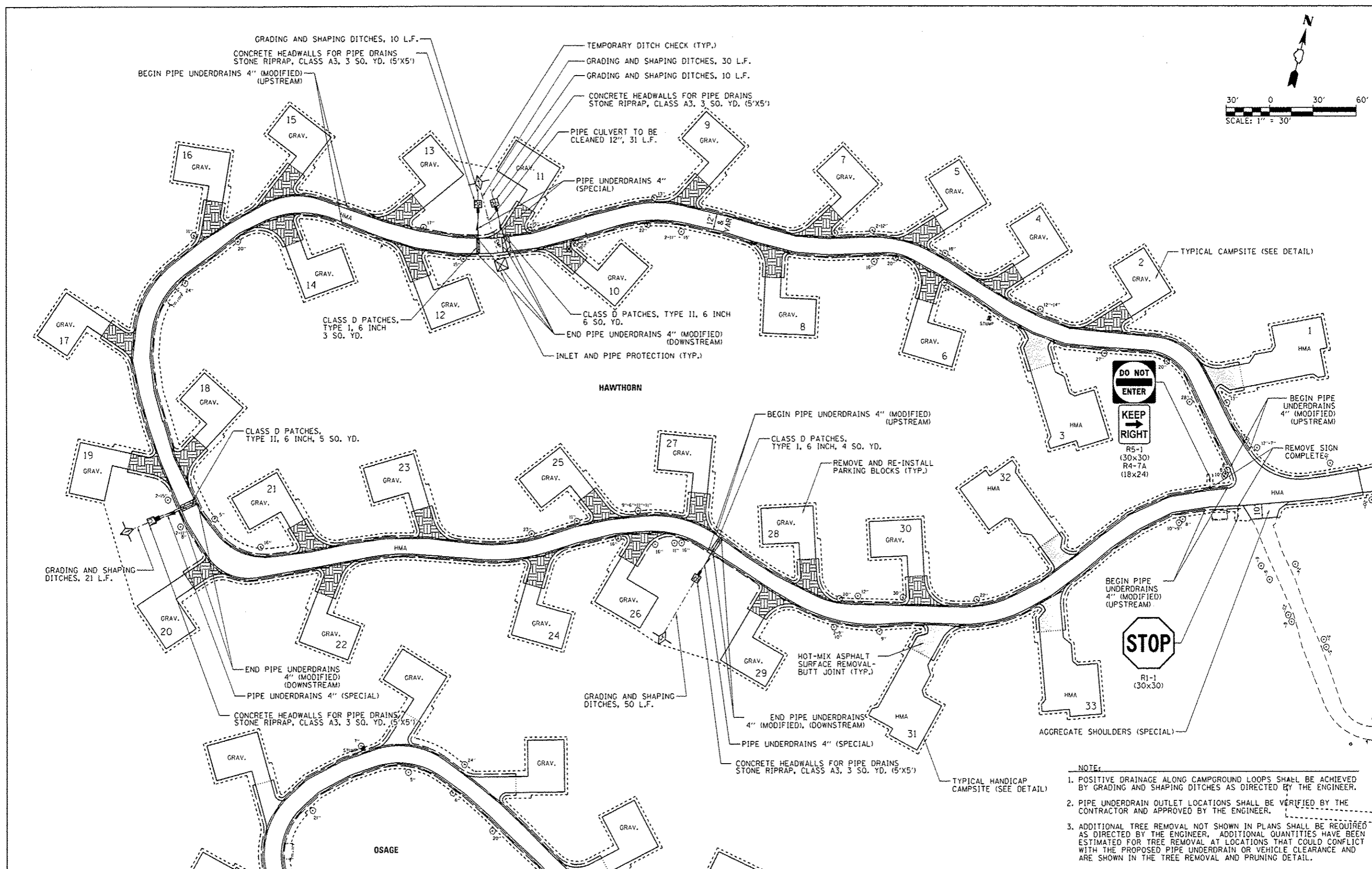
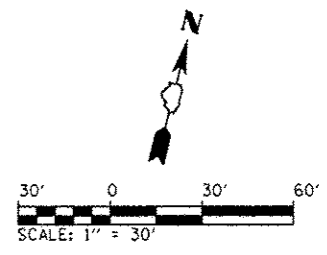
FILE NAME :	USER NAME :	DESIGNED -	REVISED -
L:\1001\1186610\10\17\10-00\CADD\Sheets\046302.sht Oak-SitePlan.dgn	Brad Downen	MJO	
		DRAWN -	REVISED -
		RAH	
		CHECKED -	REVISED -
		BJD	
		DATE -	REVISED -
		3/28/2014	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SITE PLAN - OAK
KANKAKEE RIVER STATE PARK**

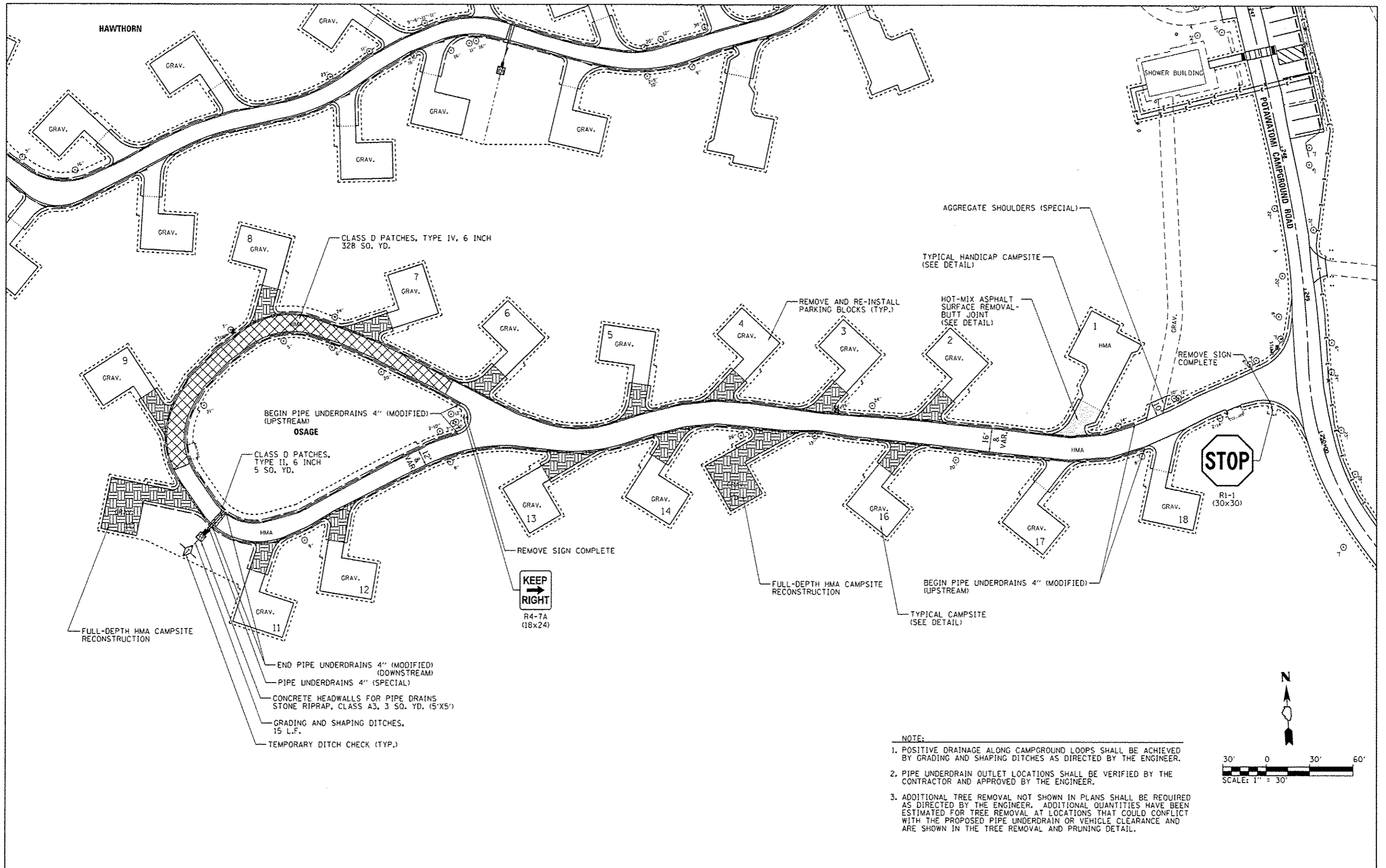
SCALE: 1" = 30' SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PARK ROADS		69	48
WILL AND KANKAKEE		CONTRACT NO. 46302		
ILLINOIS FED. AID PROJECT				



- NOTE:**
1. POSITIVE DRAINAGE ALONG CAMPGROUND LOOPS SHALL BE ACHIEVED BY GRADING AND SHAPING DITCHES AS DIRECTED BY THE ENGINEER.
 2. PIPE UNDERDRAIN OUTLET LOCATIONS SHALL BE VERIFIED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER.
 3. ADDITIONAL TREE REMOVAL NOT SHOWN IN PLANS SHALL BE REQUIRED AS DIRECTED BY THE ENGINEER. ADDITIONAL QUANTITIES HAVE BEEN ESTIMATED FOR TREE REMOVAL AT LOCATIONS THAT COULD CONFLICT WITH THE PROPOSED PIPE UNDERDRAIN OR VEHICLE CLEARANCE AND ARE SHOWN IN THE TREE REMOVAL AND PRUNING DETAIL.

FILE NAME =	USER NAME = Brad Downen	DESIGNED - MJO	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SITE PLAN - HAWTHORN KANKAKEE RIVER STATE PARK		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
L:\IDOT\1106610\17\0-0\CAD\00_Sheets\046302_sht Hawthorn-SitePlan.dgn		DRAWN - RAH	REVISED -		SCALE: 1" = 30"	SHEET 1 OF 1 SHEETS	STA.	PARK ROADS	*	69	49
Default		CHECKED - BJD	REVISED -				TO STA.	* WILL AND KANKAKEE		CONTRACT NO. 46302	
		DATE - 3/28/2014	REVISED -					[ILLINOIS] FED. AID PROJECT			



- NOTE:**
1. POSITIVE DRAINAGE ALONG CAMPGROUND LOOPS SHALL BE ACHIEVED BY GRADING AND SHAPING DITCHES AS DIRECTED BY THE ENGINEER.
 2. PIPE UNDERDRAIN OUTLET LOCATIONS SHALL BE VERIFIED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER.
 3. ADDITIONAL TREE REMOVAL NOT SHOWN IN PLANS SHALL BE REQUIRED AS DIRECTED BY THE ENGINEER. ADDITIONAL QUANTITIES HAVE BEEN ESTIMATED FOR TREE REMOVAL AT LOCATIONS THAT COULD CONFLICT WITH THE PROPOSED PIPE UNDERDRAIN OR VEHICLE CLEARANCE AND ARE SHOWN IN THE TREE REMOVAL AND PRUNING DETAIL.

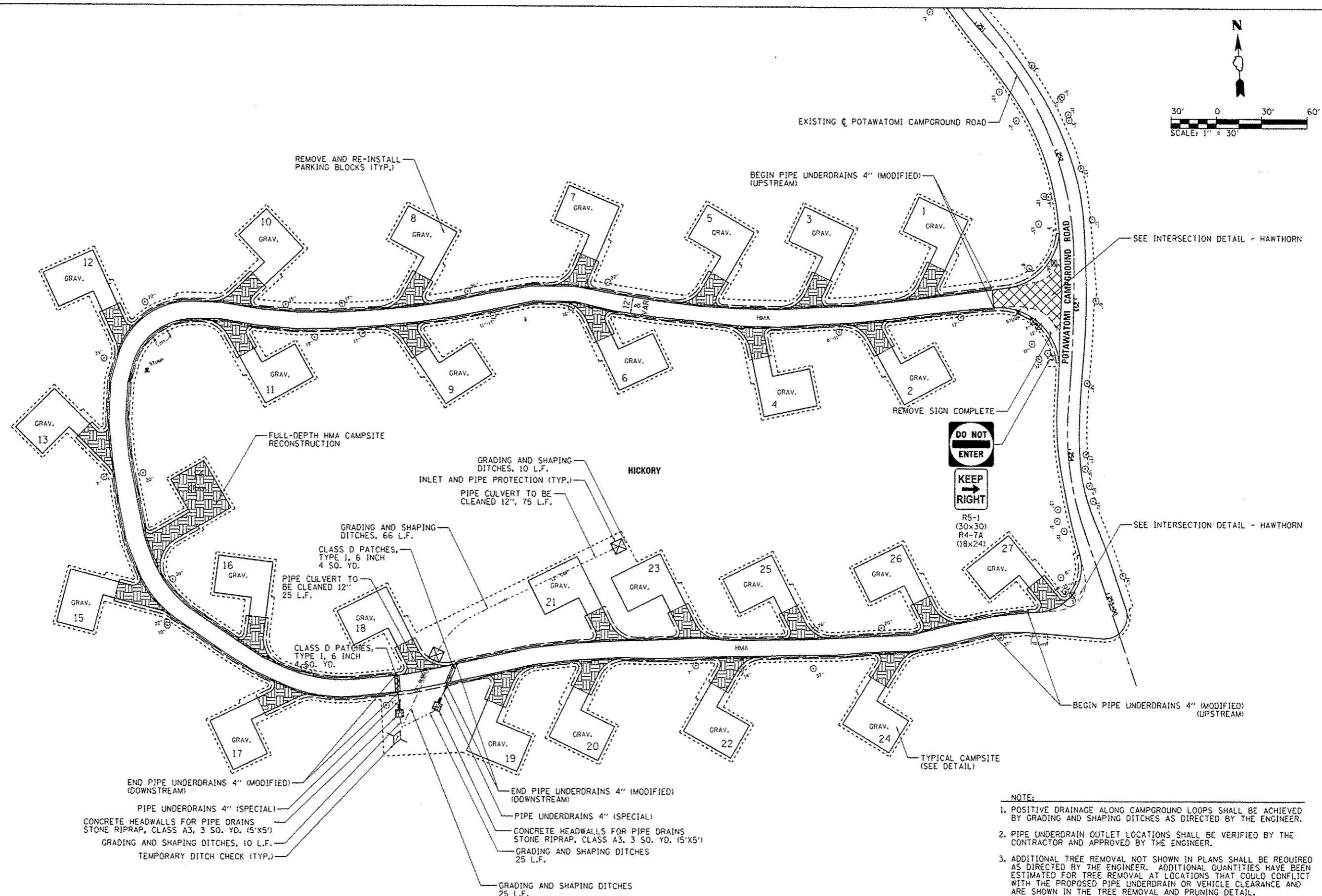
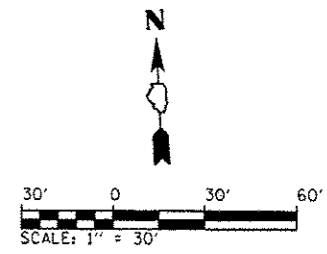
FILE NAME :	USER NAME :	DESIGNED -	REVISED -
L:\JDOT\1106618\17\Draw\CADD\Sheets\046302.sht Osage-SitePlan.dgn	Brad Downen	MJO	
Default	PLT SCALE :	CHECKED -	REVISED -
	60.0000' / in.	BJD	
	PLT DATE :	DATE -	REVISED -
	3/26/2014	3/26/2014	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SITE PLAN - OSAGE
KANKAKEE RIVER STATE PARK**

SCALE: 1" = 30' SHEET 1 OF 1 SHEETS STA. TO STA.

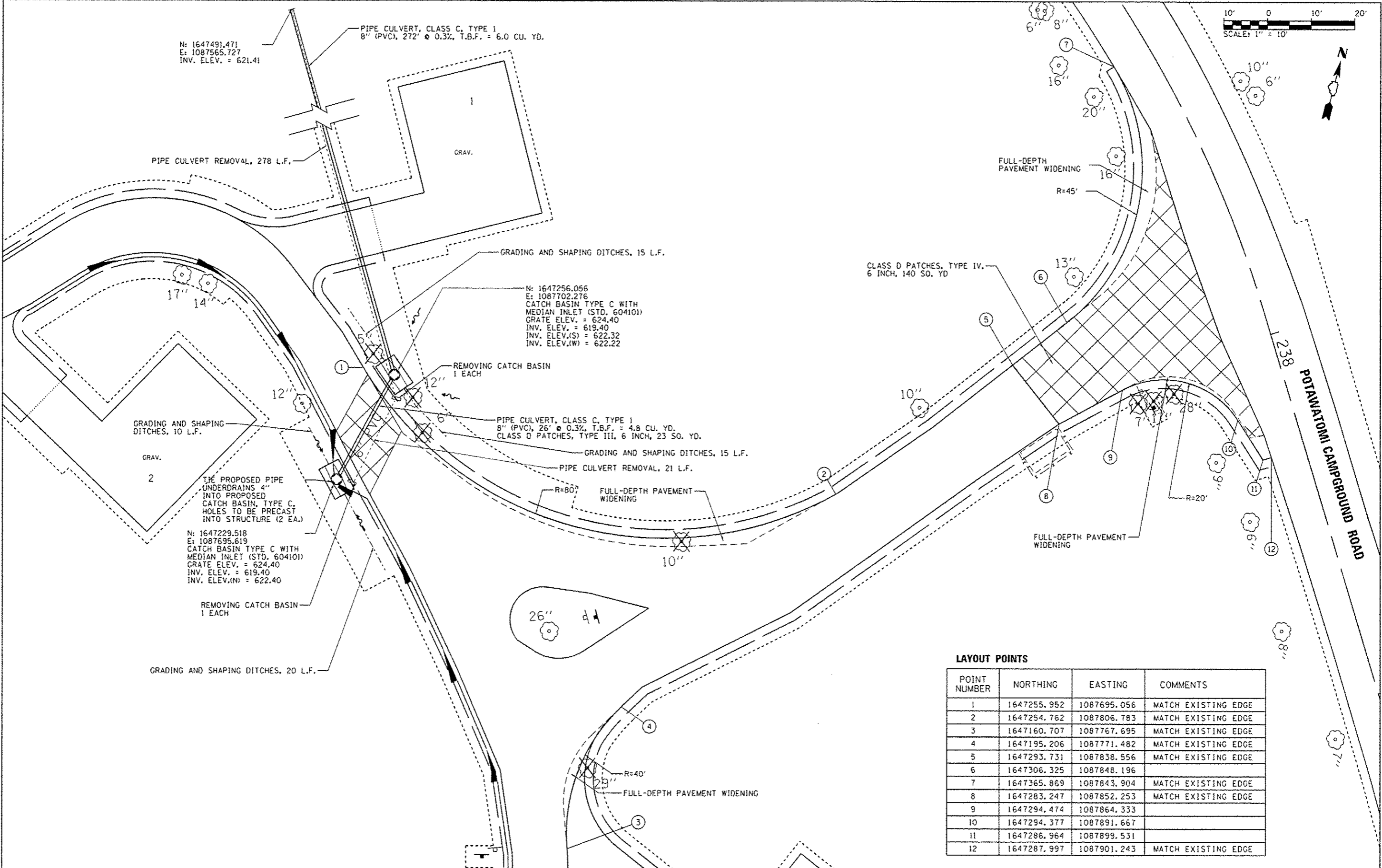
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PARK ROADS		69	50
* WILL AND KANKAKEE			CONTRACT NO. 46302	
ILLINOIS FED. AID PROJECT				



R5-1
(30x30)
R4-7A
(18x24)

- NOTE:**
1. POSITIVE DRAINAGE ALONG CAMPGROUND LOOPS SHALL BE ACHIEVED BY GRADING AND SHAPING DITCHES AS DIRECTED BY THE ENGINEER.
 2. PIPE UNDERDRAIN OUTLET LOCATIONS SHALL BE VERIFIED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER.
 3. ADDITIONAL TREE REMOVAL NOT SHOWN IN PLANS SHALL BE REQUIRED AS DIRECTED BY THE ENGINEER. ADDITIONAL QUANTITIES HAVE BEEN ESTIMATED FOR TREE REMOVAL AT LOCATIONS THAT COULD CONFLICT WITH THE PROPOSED PIPE UNDERDRAIN OR VEHICLE CLEARANCE AND ARE SHOWN IN THE TREE REMOVAL AND PRUNING DETAIL.

FILE NAME : L:\1007\1186618\1740-aw\CAAD_Sheets\11866302.sht Hickory-SitePlan.dgn	USER NAME : Brad Danner	DESIGNED - MJO	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SITE PLAN - HICKORY KANKAKEE RIVER STATE PARK		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Default	PLOT SCALE : 60.0000' / in.	DRAWN - RAH	REVISED -		SCALE: 1" = 30'	SHEET 1 OF 1 SHEETS	STA.	PARK ROADS	*	69	51	
	PLOT DATE : 3/28/2014	CHECKED - BJD	REVISED -				TO STA.	* WILL AND KANKAKEE				CONTRACT NO. 46302
		DATE - 3/28/2014	REVISED -									ILLINOIS FED. AID PROJECT



N: 1647491.471
E: 1087565.727
INV. ELEV. = 621.41

PIPE CULVERT, CLASS C, TYPE I
8" (PVC), 272' @ 0.3%, T.B.F. = 6.0 CU. YD.

PIPE CULVERT REMOVAL, 278 L.F.

GRAV.

GRADING AND SHAPING DITCHES, 15 L.F.

N: 1647256.056
E: 1087702.276
CATCH BASIN TYPE C WITH
MEDIAN INLET (STD. 604101)
GRATE ELEV. = 624.40
INV. ELEV. = 619.40
INV. ELEV.(S) = 622.32
INV. ELEV.(W) = 622.22

REMOVING CATCH BASIN
1 EACH

PIPE CULVERT, CLASS C, TYPE I
8" (PVC), 26' @ 0.3%, T.B.F. = 4.8 CU. YD.
CLASS D PATCHES, TYPE III, 6 INCH, 23 SQ. YD.

GRADING AND SHAPING DITCHES, 15 L.F.

PIPE CULVERT REMOVAL, 21 L.F.

R=80' FULL-DEPTH PAVEMENT
WIDENING

GRADING AND SHAPING
DITCHES, 10 L.F.

GRAV.

2

THE PROPOSED PIPE
UNDERDRAINS 4"
INTO PROPOSED
CATCH BASIN, TYPE C.
HOLES TO BE PRECAST
INTO STRUCTURE (2 EA.)

N: 1647229.518
E: 1087695.619
CATCH BASIN TYPE C WITH
MEDIAN INLET (STD. 604101)
GRATE ELEV. = 624.40
INV. ELEV. = 619.40
INV. ELEV.(N) = 622.40

REMOVING CATCH BASIN
1 EACH

GRADING AND SHAPING DITCHES, 20 L.F.

CLASS D PATCHES, TYPE IV,
6 INCH, 140 SQ. YD.

FULL-DEPTH
PAVEMENT
WIDENING
R=45'

13"

10"

FULL-DEPTH PAVEMENT
WIDENING

R=20'

26" dH

R=40'
FULL-DEPTH PAVEMENT
WIDENING

LAYOUT POINTS

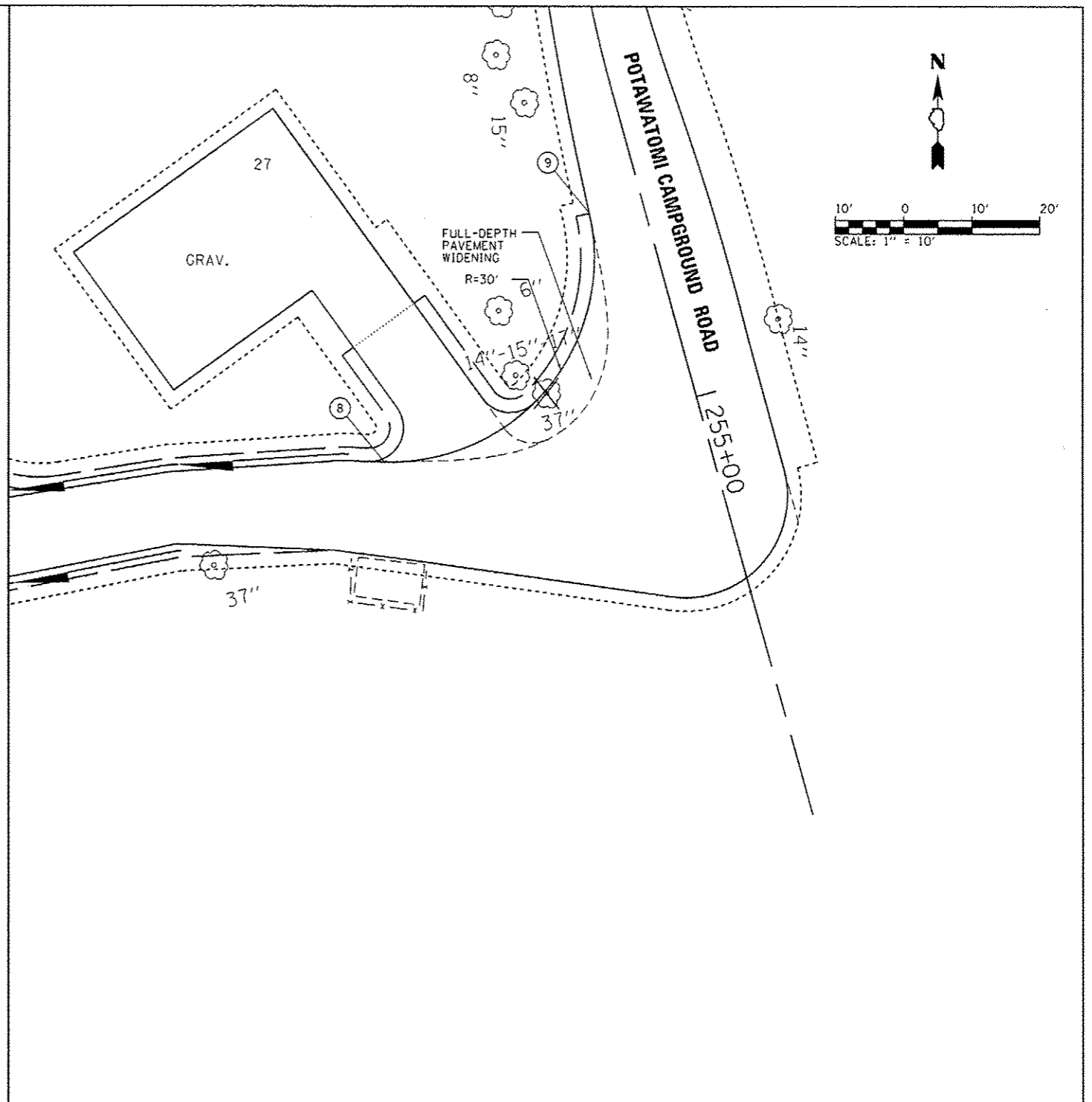
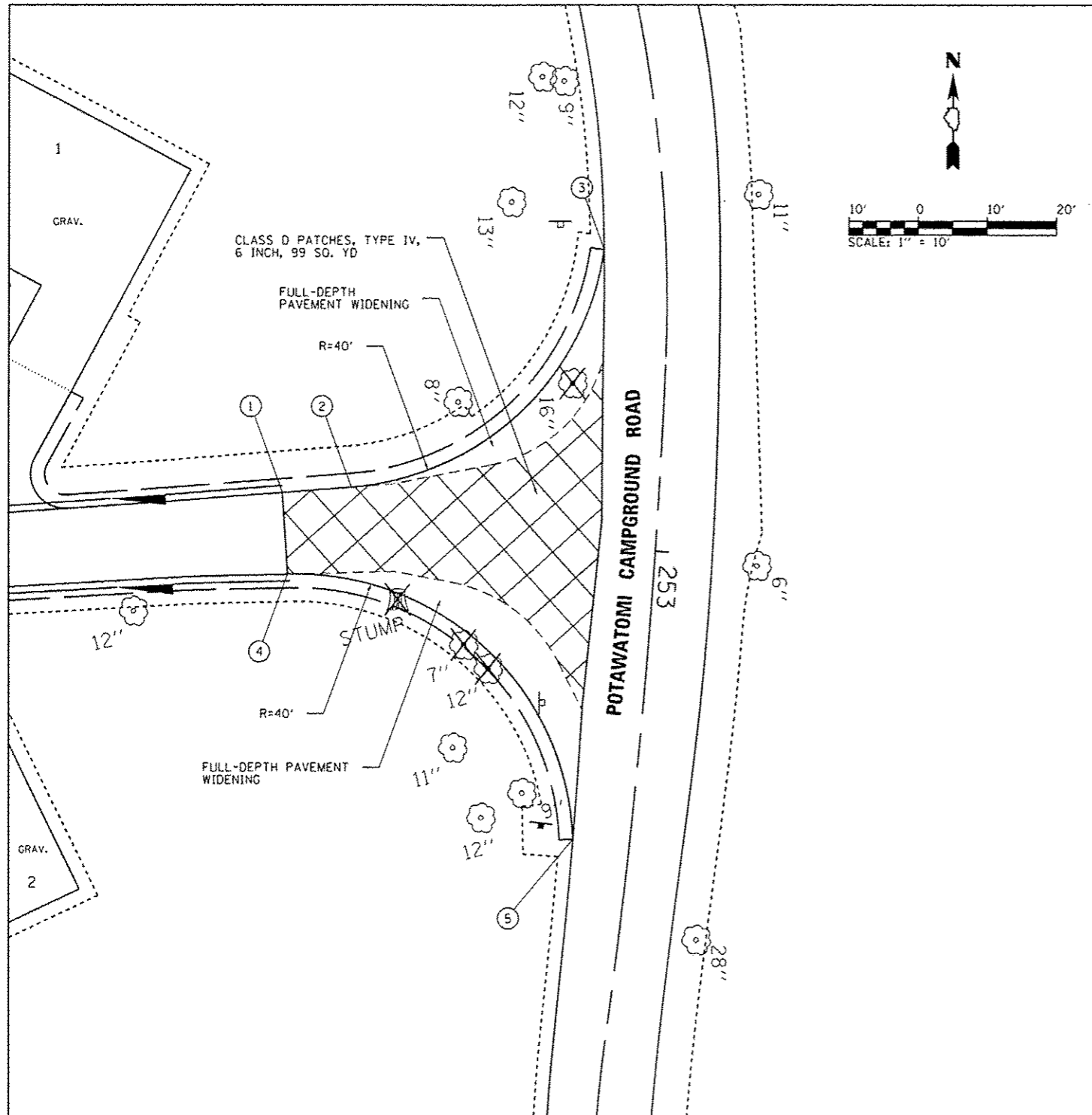
POINT NUMBER	NORTHING	EASTING	COMMENTS
1	1647255.952	1087695.056	MATCH EXISTING EDGE
2	1647254.762	1087806.783	MATCH EXISTING EDGE
3	1647160.707	1087767.695	MATCH EXISTING EDGE
4	1647195.206	1087771.482	MATCH EXISTING EDGE
5	1647293.731	1087838.556	MATCH EXISTING EDGE
6	1647306.325	1087848.196	
7	1647365.869	1087843.904	MATCH EXISTING EDGE
8	1647283.247	1087852.253	MATCH EXISTING EDGE
9	1647294.474	1087864.333	
10	1647294.377	1087891.667	
11	1647286.964	1087899.531	
12	1647287.997	1087901.243	MATCH EXISTING EDGE

FILE NAME =	USER NAME = Brad Downen	DESIGNED - MAJO	REVISED -
L:\1001\1186GIB\W017\Draw\CADD_Sheets\046302_sht_Oak-Intersection.dgn		DRAWN - RAH	REVISED -
		CHECKED - BJD	REVISED -
Default	PLOT DATE = 3/28/2014	DATE - 3/28/2014	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSECTION DETAIL - OAK
KANKAKEE RIVER STATE PARK
SCALE: 1" = 10'
SHEET 1 OF 1 SHEETS
STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PARK ROADS		69	52
* WILL AND KANKAKEE			CONTRACT NO. 46302	
ILLINOIS FED. AID PROJECT				



LAYOUT POINTS

POINT NUMBER	NORTHING	EASTING	COMMENTS
1	1645886.817	1088061.221	MATCH EXISTING EDGE
2	1645887.607	1088071.188	
3	1645922.139	1088107.668	MATCH EXISTING EDGE
4	1645874.956	1088062.270	MATCH EXISTING EDGE
5	1645836.405	1088103.231	MATCH EXISTING EDGE

LAYOUT POINTS

POINT NUMBER	NORTHING	EASTING	COMMENTS
8	1645671.430	1088080.100	MATCH EXISTING EDGE
9	1645706.045	1088110.570	MATCH EXISTING EDGE

FILE NAME :	USER NAME :	DESIGNED -	REVISED -
L:\1001\1186618\10.17\10-20\10ADD_Sheets\1046382-hts Hickory Intersection.dgn	Brad Darnen	MJO	
Default		DRAWN -	REVISED -
		RAH	
		CHECKED -	REVISED -
		BJD	
		DATE -	REVISED -
		3/28/2014	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**INTERSECTION DETAIL - HICKORY
KANKAKEE RIVER STATE PARK**

SCALE: AS NOTED SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PARK ROADS		69	53
* WILL AND KANKAKEE			CONTRACT NO. 46302	
ILLINOIS FED. AID PROJECT				

Bench Mark: Iron pin set in ground west of structure at Sta. 224+31.59, 49.69' Lt. Elevation = 604.16.
 Iron pin set in ground southeast of structure at Sta. 227+10.75, 15.94' Lt. Elevation = 612.22.
 Existing Structure: 84" CMP (to remain)

Elev. 607.18 (N.W.)
 Elev. 607.90 (N.E.)

Elev. 606.29 (S.E.)
 Elev. 605.40 (S.W.)

W.P. 1 Sta. 226+56.89, 16' Lt.
 W.P. 2 Sta. 226+44.67, 16.08' Lt.

W.P. 3 Sta. 226+51.90, 16' Rt.
 W.P. 4 Sta. 226+34.58, 16' Rt.

***ROADWAY INFORMATION TABLE**

STATION	P.G.L. ELEV.	SLOPE
226+00	603.89	2.95%
226+25	604.58	3.77%
226+50	605.78	4.18%
226+75	607.89	1.32%

* See Potawatomi Campground Road plan sheets for roadway reconstruction details.

DESIGN SPECIFICATIONS

2012 AASHTO LRFD 6th Edition, with 2013 Interims

DESIGN STRESSES

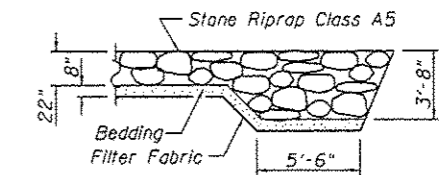
$f'_c = 3,500$ psi
 $f_y = 60,000$ psi (Reinforcement)

FACTORED SOIL BEARING RESISTANCE

$q_u = 2,900$ psf

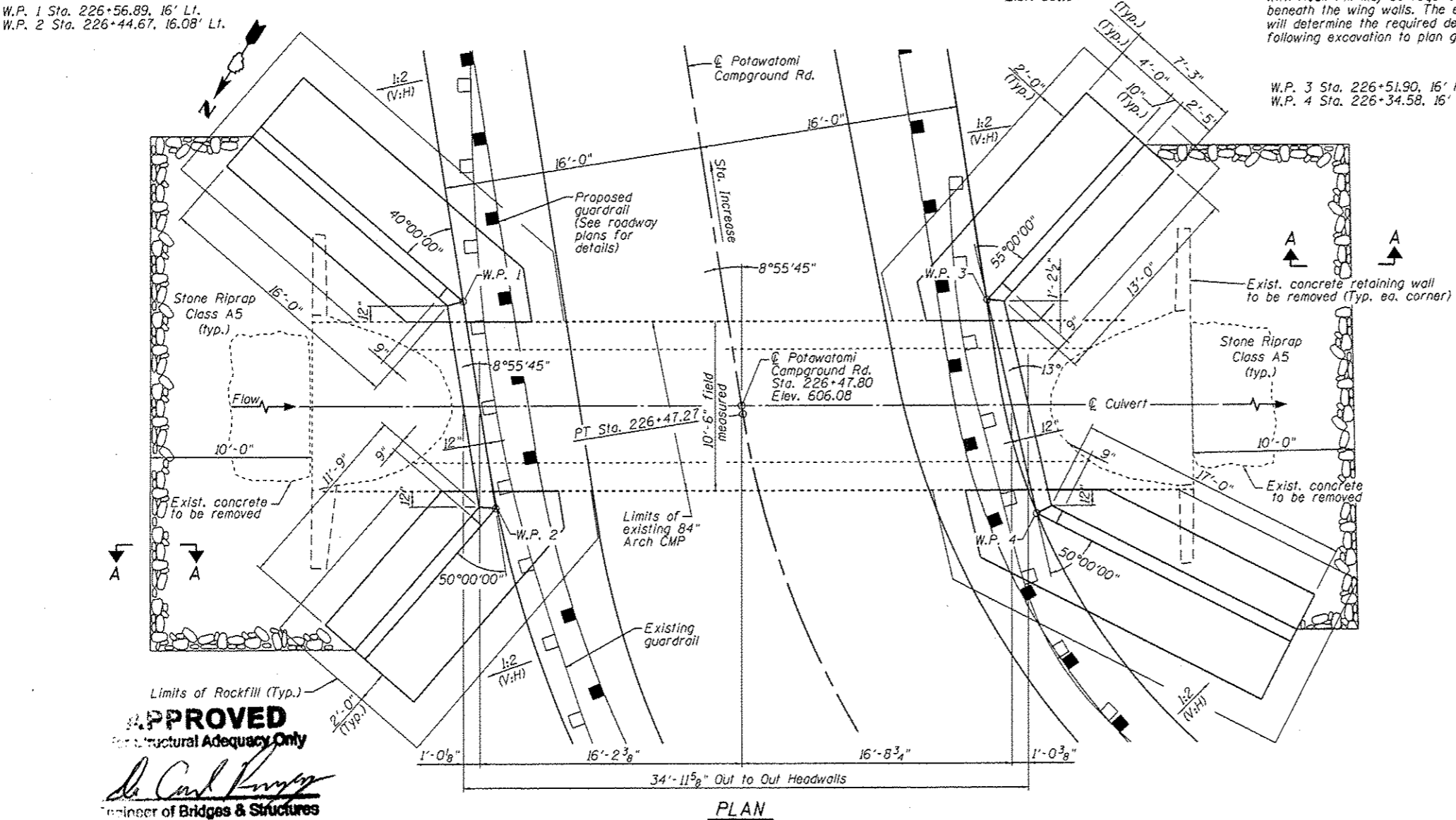
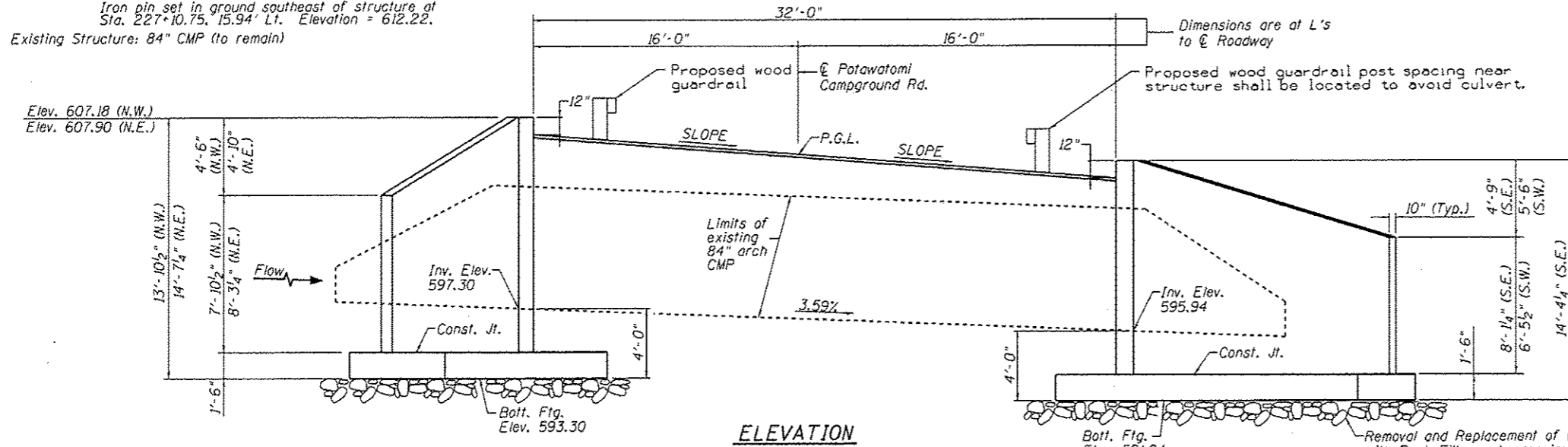
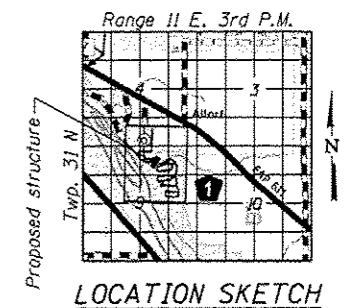
TOTAL BILL OF MATERIAL

Item	Unit	Quantity
Stone Riprap, Class A5	Sq. Yd.	91
Filter Fabric	Sq. Yd.	91
Concrete Removal	Cu. Yd.	6
Structure Excavation	Cu. Yd.	331
Reinforcement Bars	Pound	4,550
Reinforcement Bars, Epoxy Coated	Pound	1,340
Concrete Structures	Cu. Yd.	50.8
Geocomposite Wall Drain	Sq. Yd.	27.6
Granular Backfill for Structures	Cu. Yd.	49
Rock Fill	Cu. Yd.	31



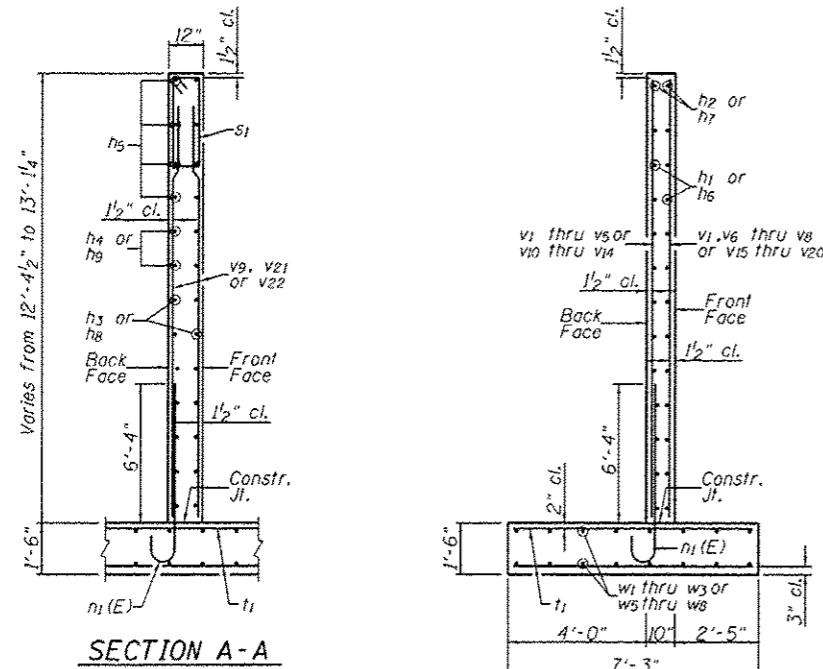
GENERAL NOTES:

1. Reinforcement bars shall conform to the requirements of the ASTM A706, Grade 60.
2. Reinforcement bars designated (E) shall be epoxy coated.
3. Layout of slope protection system may be varied in the field to suit ground conditions as directed by the engineer.
4. Precast alternate is not allowed.
5. Removal and replacement of weak soils with Rock Fill may be required beneath the wing walls. The engineer will determine the required depth following excavation to plan grade.



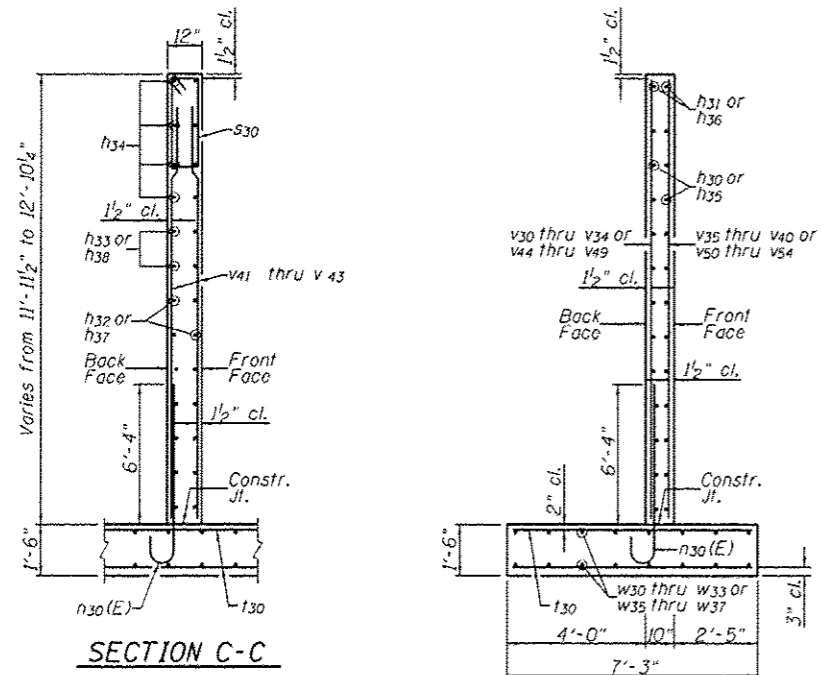
APPROVED
 For Structural Adequacy Only
 De Carl Krueger
 Engineer of Bridges & Structures

FILE NAME: L:\1007\106610\10\17\Draw\CADD_Sheets\046302-General Plan\1d1s.dgn	USER NAME: Brad Downen	DESIGNED: CJW	REVISED: -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	POTAWATOMI CAMPGROUND ROAD CULVERT IMPROVEMENTS GENERAL PLAN AND ELEVATION	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default	PLOT SCALE: 8.0000' / in.	DRAWN: GLO	REVISED: -			PARK ROADS	69	54		
Default	PLOT DATE: 5/6/2014	CHECKED: WLB	REVISED: -			WILL AND KANKAKEE	CONTRACT NO. 46302			
Default	DATE: 3/28/2014	DATE: 3/28/2014	REVISED: -			ILLINOIS FED. AID PROJECT				



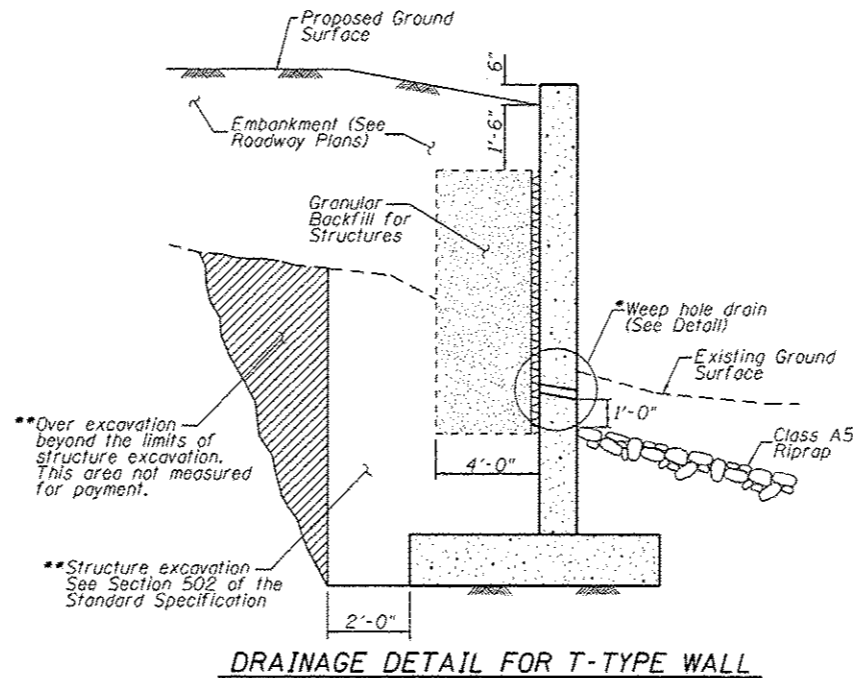
SECTION A-A

SECTION B-B

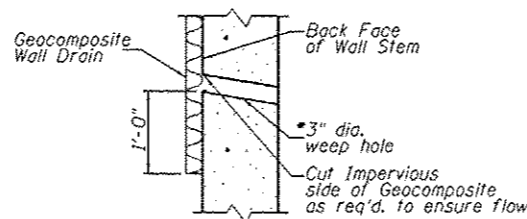


SECTION C-C

SECTION D-D



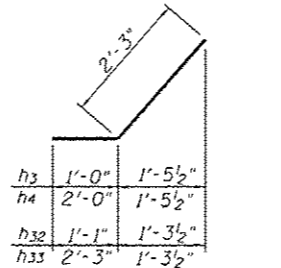
DRAINAGE DETAIL FOR T-TYPE WALL



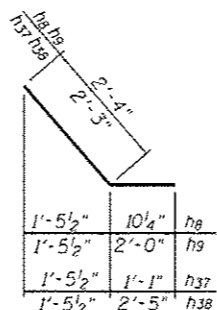
WEEP HOLE DRAIN DETAIL

*Weep hole spacing shall be at 8'-0" horizontally.

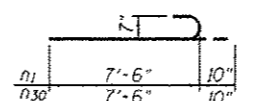
*Backfill remainder of structure excavation and over excavation with same material specified for roadway embankment. This shall not be measured for payment.



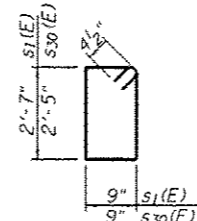
BARS h3, h4, h32 & h33



BARS h8, h9, h37 & h38



BARS n1(E) & n30(E)



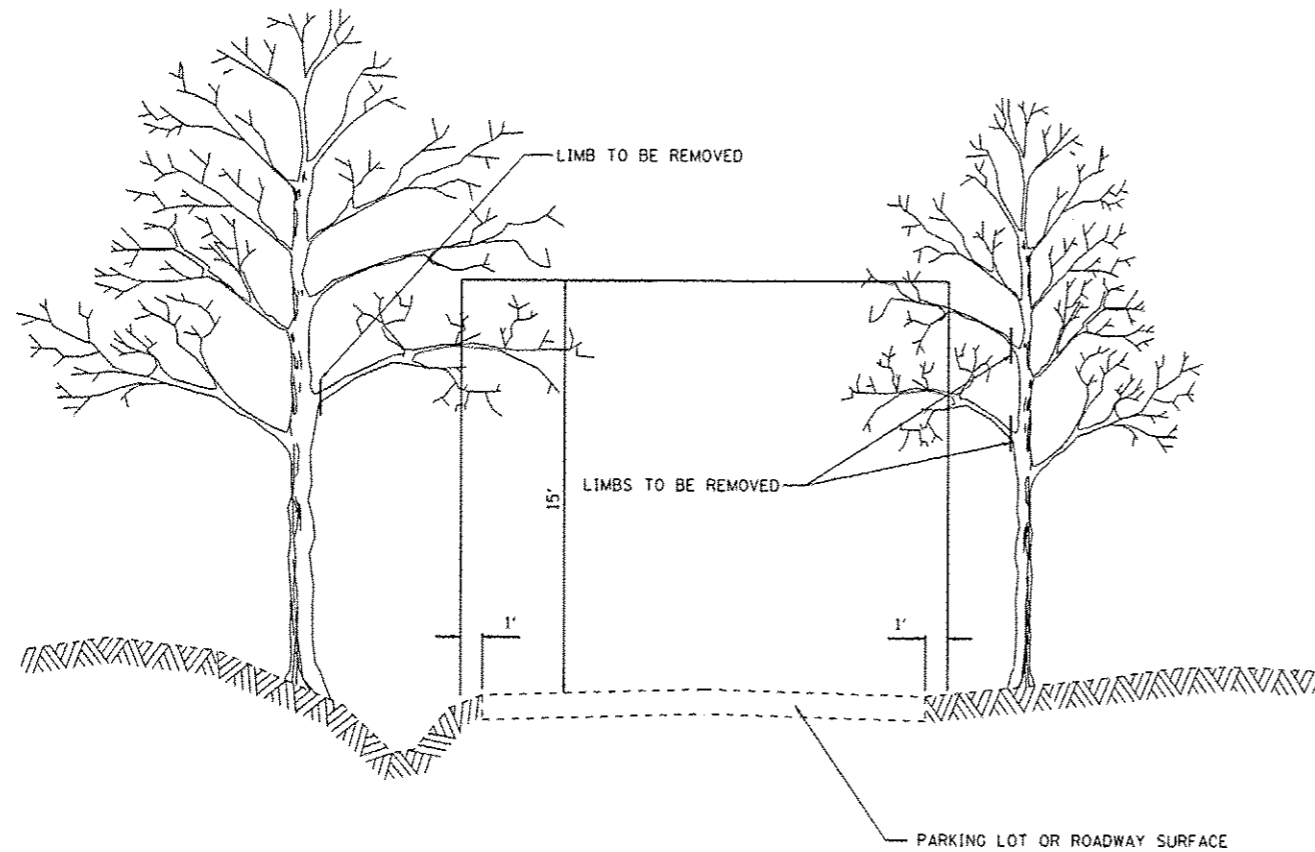
BARS s1 & s30

NORTH WALL
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h1	24	#4	11'-5"	
h2	2	#4	11'-10"	
h3	14	#4	3'-3"	
h4	4	#4	4'-3"	
h5	8	#4	12'-7"	
h6	24	#4	15'-8"	
h7	2	#4	15'-10"	
h8	14	#4	3'-3"	
h9	4	#4	4'-4"	
n1(E)	39	#7	8'-4"	
s1	13	#4	7'-5"	
t1	90	#5	6'-11"	
v1	6	#4	7'-7"	
v2	3	#4	8'-7"	
v3	3	#4	9'-8"	
v4	3	#4	10'-8"	
v5	1	#4	11'-8"	
v6	3	#4	8'-10"	
v7	3	#4	10'-0"	
v8	2	#4	11'-3"	
v9	12	#4	12'-0"	
v10	4	#4	8'-0"	
v11	4	#4	9'-0"	
v12	4	#4	10'-1"	
v13	4	#4	11'-2"	
v14	4	#4	12'-2"	
v15	3	#4	8'-0"	
v16	3	#4	8'-11"	
v17	3	#4	9'-10"	
v18	3	#4	10'-10"	
v19	3	#4	11'-9"	
v20	2	#4	12'-8"	
v21	8	#4	6'-6"	
v22	4	#4	4'-10"	
w1	4	#4	10'-9"	
w2	4	#4	12'-5"	
w3	8	#4	14'-1"	
w4	2	#4	2'-2"	
w5	4	#4	14'-6"	
w6	4	#4	16'-10"	
w7	6	#4	18'-9"	
w8	2	#4	17'-10"	
w9	2	#4	3'-2"	
Granular Backfill for Structures		Cu. Yd.	25	
Reinforcement Bars		Pound	2,230	
Reinforcement Bars Epoxy Coated		Pound	670	
Concrete Structure		Cu. Yd.	24.8	

SOUTH WALL
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h30	22	#4	16'-10"	
h31	2	#4	17'-3"	
h32	14	#4	3'-4"	
h33	4	#4	4'-6"	
h34	8	#4	12'-9"	
h35	24	#4	12'-10"	
h36	2	#4	13'-3"	
h37	14	#4	3'-4"	
h38	4	#4	4'-8"	
n30(E)	39	#7	8'-4"	
s30	13	#4	7'-1"	
t30	102	#5	6'-11"	
v30	4	#4	7'-4"	
v31	4	#4	8'-6"	
v32	4	#4	9'-7"	
v33	4	#4	10'-9"	
v34	2	#4	11'-7"	
v35	3	#4	6'-2"	
v36	3	#4	7'-2"	
v37	3	#4	8'-2"	
v38	3	#4	9'-3"	
v39	3	#4	10'-3"	
v40	3	#4	11'-3"	
v41	8	#4	11'-0"	
v42	8	#4	3'-4"	
v43	4	#4	6'-0"	
v44	3	#4	7'-10"	
v45	3	#4	8'-10"	
v46	3	#4	9'-9"	
v47	3	#4	10'-9"	
v48	3	#4	11'-8"	
v49	2	#4	12'-6"	
v50	3	#4	7'-10"	
v51	3	#4	9'-0"	
v52	3	#4	10'-2"	
v53	3	#4	11'-4"	
v54	2	#4	12'-6"	
w30	2	#4	14'-4"	
w31	4	#4	16'-4"	
w32	6	#4	20'-3"	
w33	4	#4	19'-1"	
w34	2	#4	4'-0"	
w35	4	#4	12'-3"	
w36	4	#4	14'-1"	
w37	8	#4	15'-4"	
w38	2	#4	2'-4"	
Granular Backfill for Structures		Cu. Yd.	24	
Reinforcement Bars		Pound	2,320	
Reinforcement Bars Epoxy Coated		Pound	670	
Concrete Structure		Cu. Yd.	26.0	

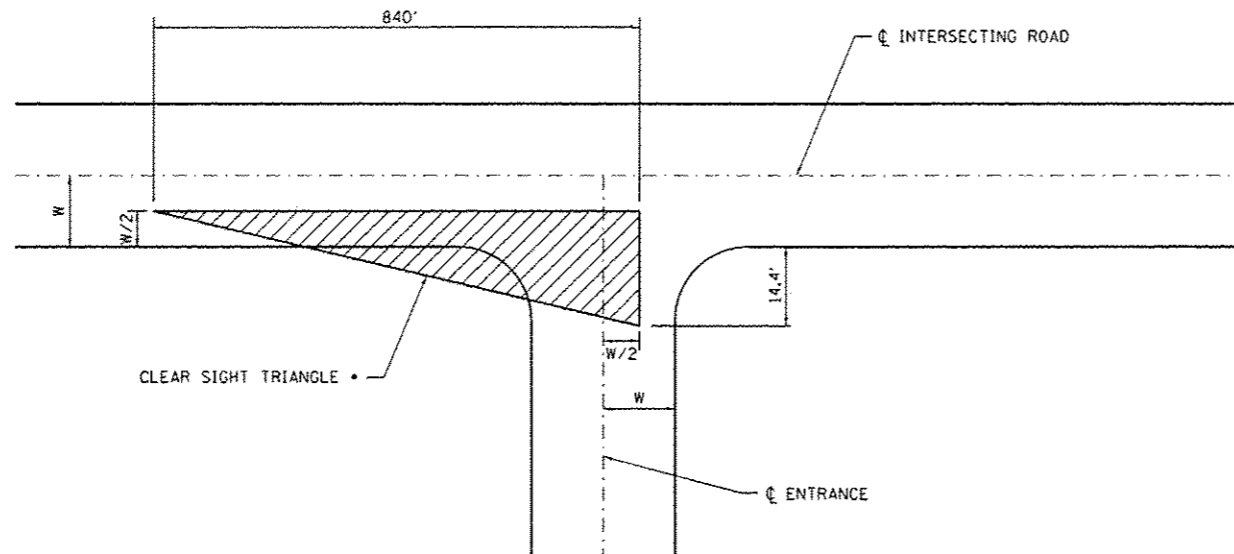


TREE PRUNING

LOCATION	TREE REMOVAL (6 - 15 UNITS DIAMETER)	TREE REMOVAL (OVER 15 UNITS DIAMETER)	TREE PRUNING (1 TO 10 INCH DIAMETER)	TREE PRUNING (OVER 10 INCH DIAMETER)
	(UNIT)	(UNIT)	(EACH)	(EACH)
EAST PARK ENTRANCE		30	10	10
BLUEBIRD			5	5
FORESTER			4	4
POTAWATOMI CAMPGROUND ROAD	100	200	25	50
HICKORY HILL	75	50	1	1
ISLAND VIEW		25	2	2
POTAWATOMI SHOWER BUILDING			8	8
OAK	50	100	10	10
HAWTHORN	25	100	20	20
OSAGE	25	100	10	10
HICKORY	25	100	10	10

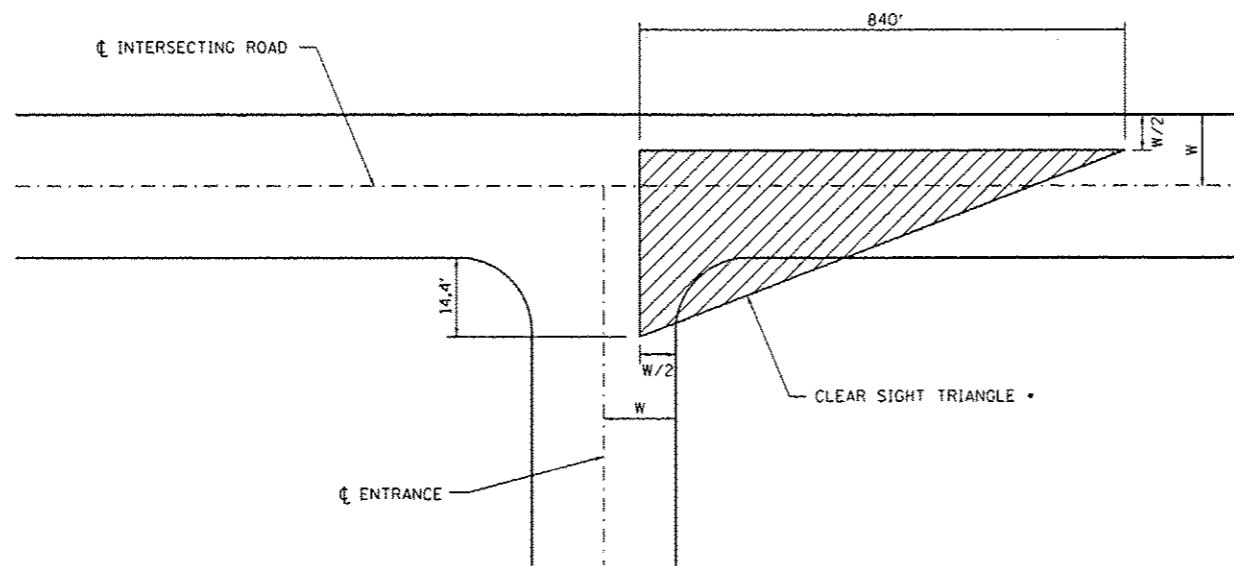
THE QUANTITIES ABOVE ARE ESTIMATED AND SHALL BE USED ONLY AT THE ENGINEER'S DISCRETION

FILE NAME : L:\DOT\1186618\10.17\10-001\000_Sheets\046302.sht Details.dgn	USER NAME : Brad Downen	DESIGNED - MJD	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TREE REMOVAL & PRUNING DETAILS KANKAKEE RIVER STATE PARK		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TREE REMOVE AND PRUNE	PLOT SCALE : 100.0000' / 1" =	DRAWN - RAH	REVISED -		SCALE: N.T.S.	SHEET 1 OF 2 SHEETS	STA. TO STA.	PARK ROADS	*	69	58
	PLOT DATE : 3/28/2014	CHECKED - BJD	REVISED -					* WILL AND KANKAKEE		CONTRACT NO. 46302	
		DATE - 3/28/2014	REVISED -					ILLINOIS FED. AID PROJECT			



TRAFFIC APPROACHING FROM THE LEFT

- ANY TREES OBSTRUCTING VIEW UP TO A HEIGHT OF 15' WITHIN THE CLEAR SIGHT TRIANGLE SHALL BE PRUNED OR REMOVED AS DIRECTED BY THE ENGINEER.



TRAFFIC APPROACHING FROM THE RIGHT

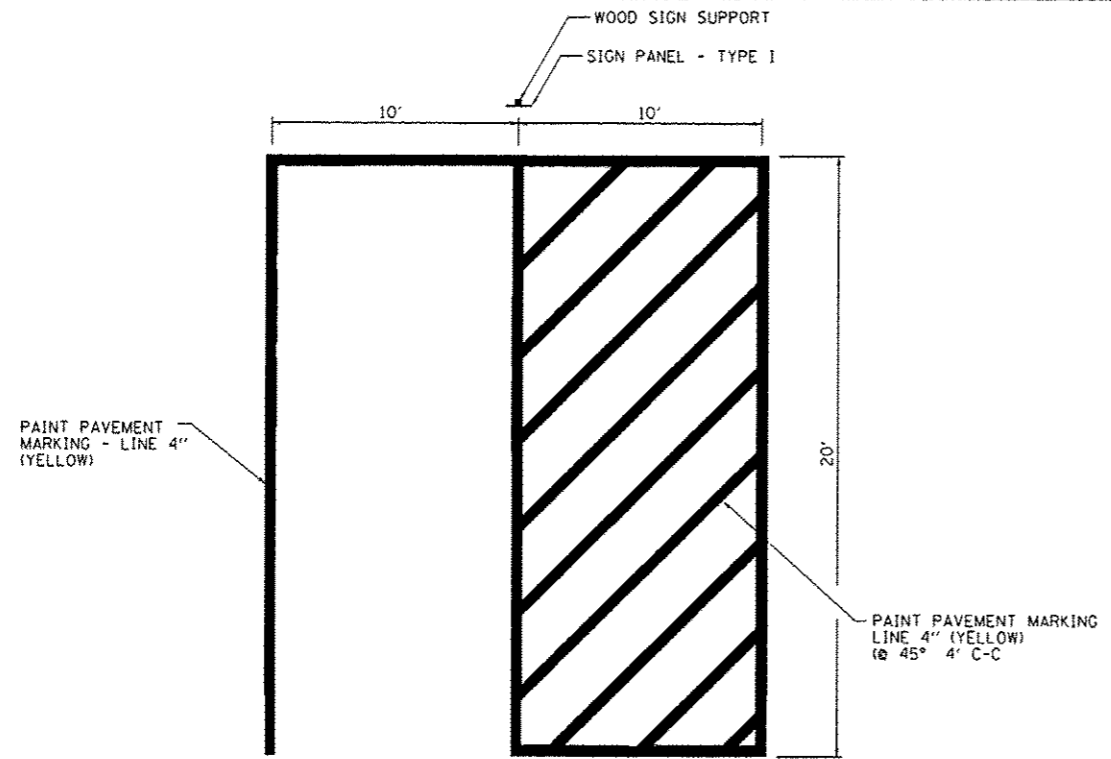
- ANY TREES OBSTRUCTING VIEW UP TO A HEIGHT OF 15' WITHIN THE CLEAR SIGHT TRIANGLE SHALL BE PRUNED OR REMOVED AS DIRECTED BY THE ENGINEER.

LOCATION	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	TREE REMOVAL (OVER 15 UNITS DIAMETER)	TREE PRUNING (1 TO 10 INCH DIAMETER)	TREE PRUNING (OVER 10 INCH DIAMETER)
	(UNIT)	(UNIT)	(EACH)	(EACH)
EAST PARK ENTRANCE			8	8

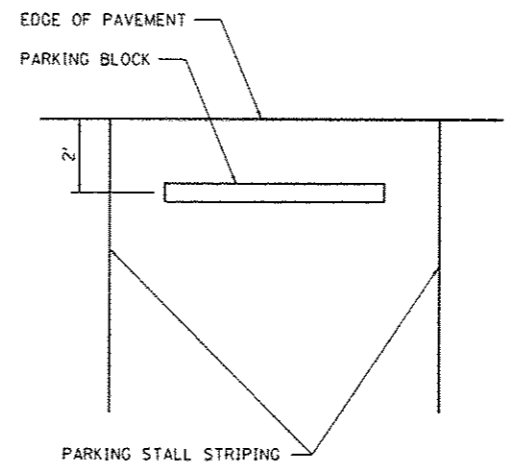
THE QUANTITIES ABOVE ARE ESTIMATED AND SHALL BE USED ONLY AT THE ENGINEER'S DISCRETION

FILE NAME : L:\IDOT\1106610\W0.17\Draw\CADD_Sheets\BAG302_sht_Details.dgn	USER NAME : Brad Downen	DESIGNED - MJD	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TREE REMOVAL AND PRUNING DETAILS KANKAKEE RIVER STATE PARK		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
TREE REMOVE AND PRUNE 2	PLOT SCALE : 100,0000' / 1"	DRAWN - RAH	REVISED -		SCALE: N.T.S.	SHEET 2 OF 2 SHEETS	STA.	TO STA.	PARK ROADS		69	59
	PLOT DATE : 3/28/2014	CHECKED - BJD	REVISED -						• WILL AND KANKAKEE	CONTRACT NO. 46302		
		DATE - 3/28/2014	REVISED -									

ILLINOIS FED. AID PROJECT

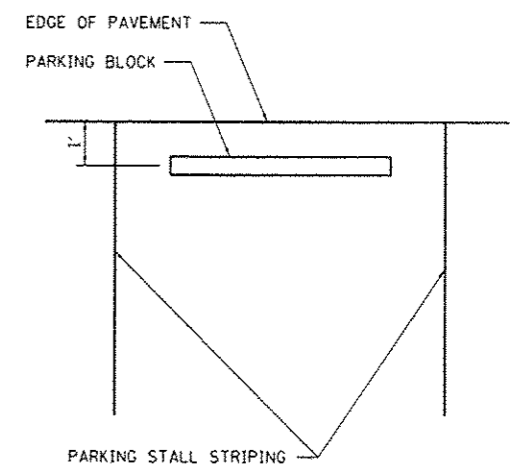


HANDICAP PARKING STRIPING



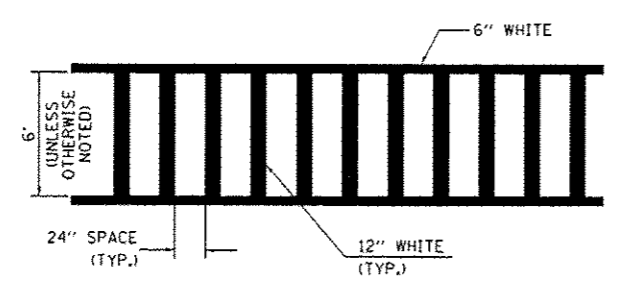
PARKING BLOCK ORIENTATION #1

ISLAND VIEW
POTAWATOMI SHOWER BUILDING



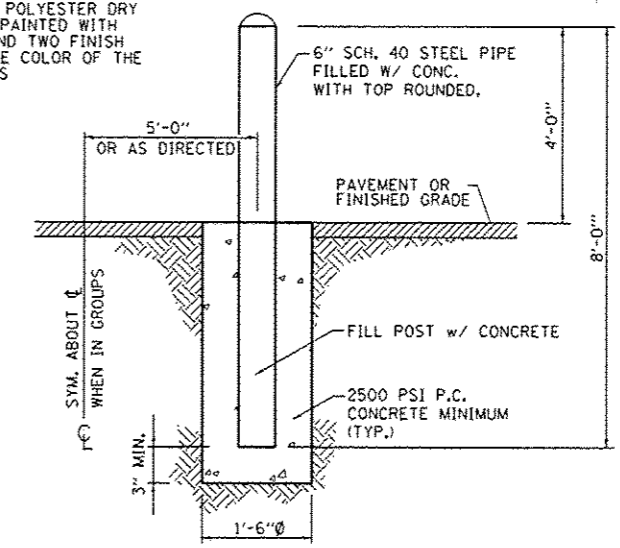
PARKING BLOCK ORIENTATION #2

BLUEBIRD
FORESTER
HICKORY HILL



TYPICAL SPACING DETAIL FOR CROSSWALKS

NOTE:
BOLLARDS SHALL BE POLYESTER DRY POWDER COATED OR PAINTED WITH ONE PRIMER COAT AND TWO FINISH COATS TO MATCH THE COLOR OF THE FOLD DOWN BOLLARDS



BOLLARD DETAIL
N.T.S.

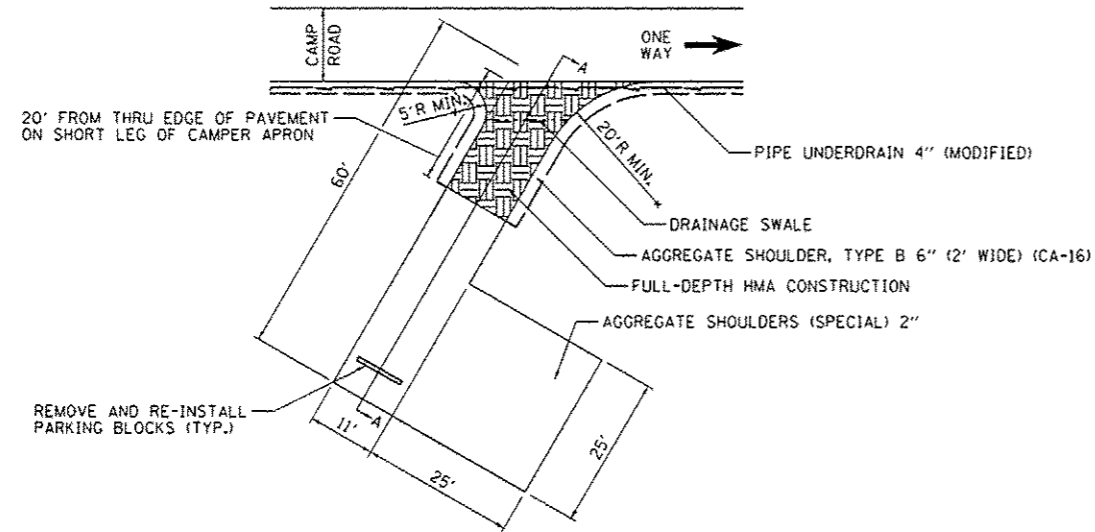
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	PLOT SCALE = 100.0000' / 1"	CHECKED - BJD	REVISED -
PVMT MARKING AND PARKING BLOCKS	PLOT DATE = 3/28/2014	DATE - 3/28/2014	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING, PARKING BLOCK ORIENTATION, & BOLLARD DETAILS
KANKAKEE RIVER STATE PARK

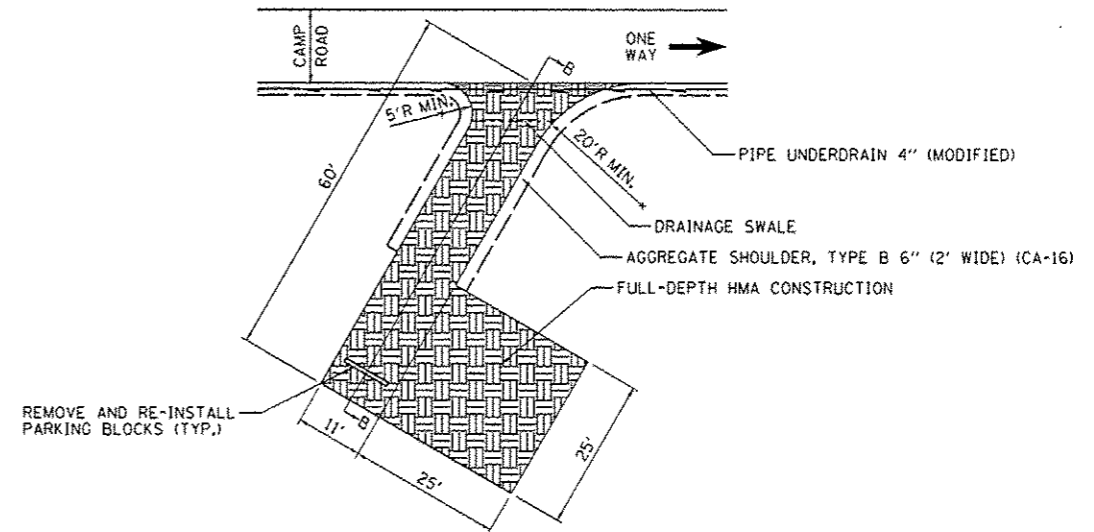
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PARK ROADS	*	69	60
* WILL AND KANKAKEE			CONTRACT NO. 46302	
ILLINOIS FED. AID PROJECT				



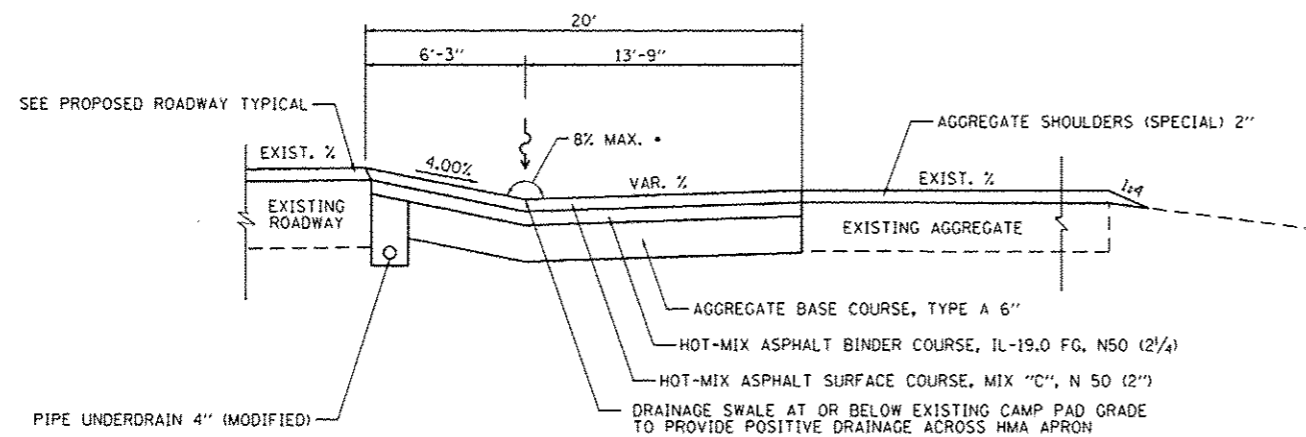
TYPICAL CAMPSITE – PROPOSED HMA APRON WITH AGGREGATE CAMP PAD

OAK
HAWTHORN
OSAGE
HICKORY



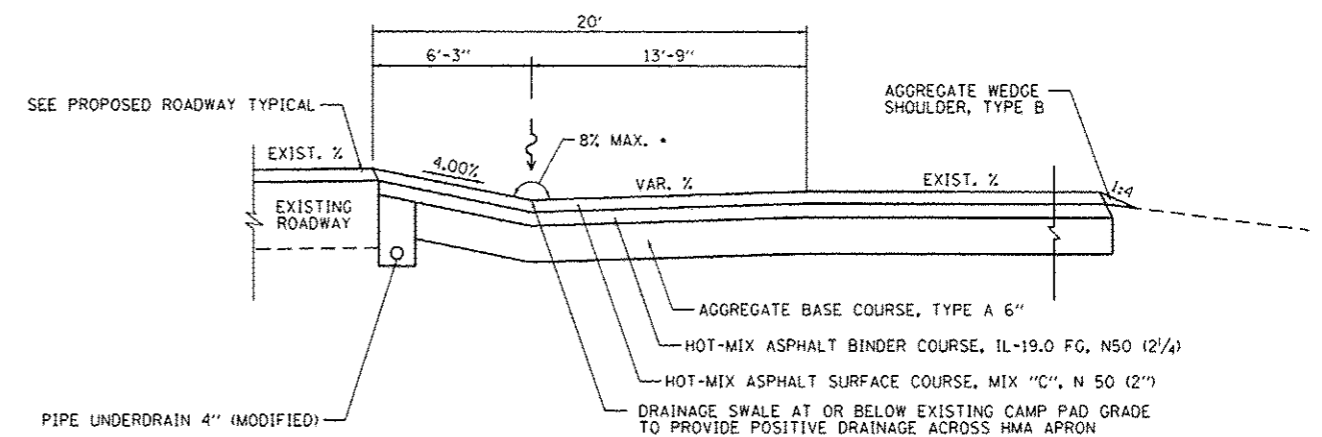
TYPICAL CAMPSITE – PROPOSED FULL DEPTH HMA RECONSTRUCTION

OSAGE
HICKORY



SECTION A-A

• PROVIDE LONGER HMA APRON AS DIRECTED BY THE ENGINEER IF BREAKOVER EXCEEDS 8%



SECTION B-B

• PROVIDE LONGER HMA APRON AS DIRECTED BY THE ENGINEER IF BREAKOVER EXCEEDS 8%

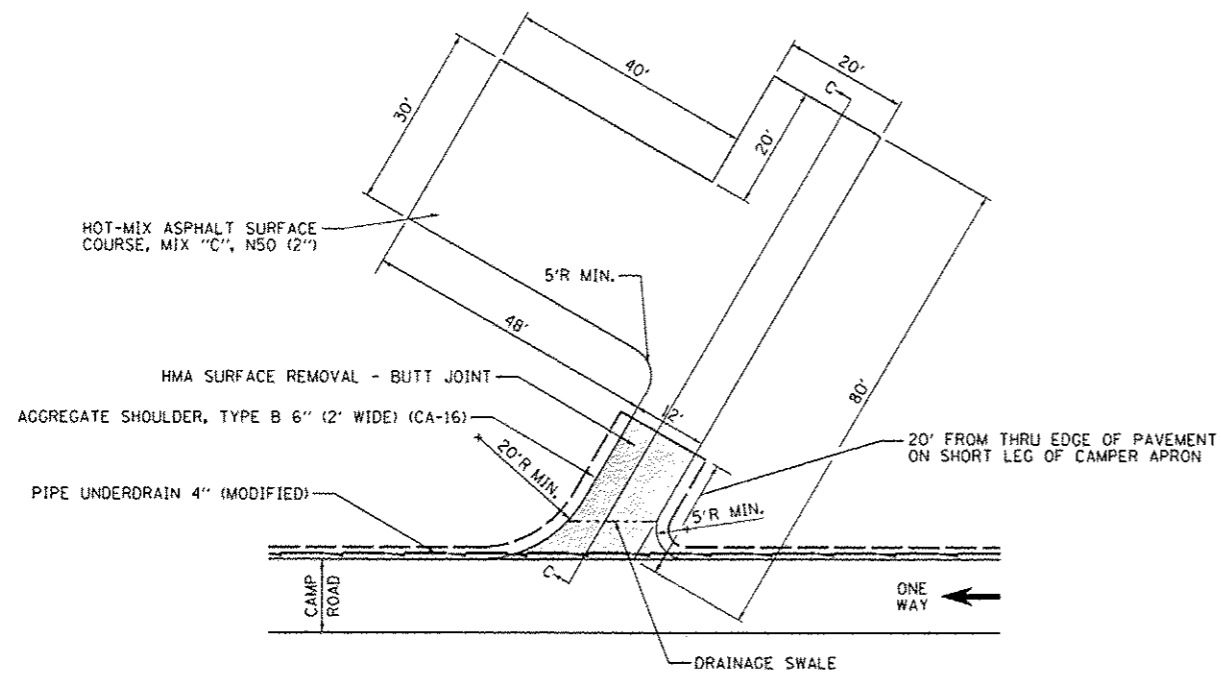
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		RAH	
		CHECKED -	REVISED -
		BJD	
CAMPSITES	PLOT DATE :	DATE -	REVISED -
	3/28/2014	3/28/2014	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CAMPSITE CONSTRUCTION DETAILS
KANKAKEE RIVER STATE PARK

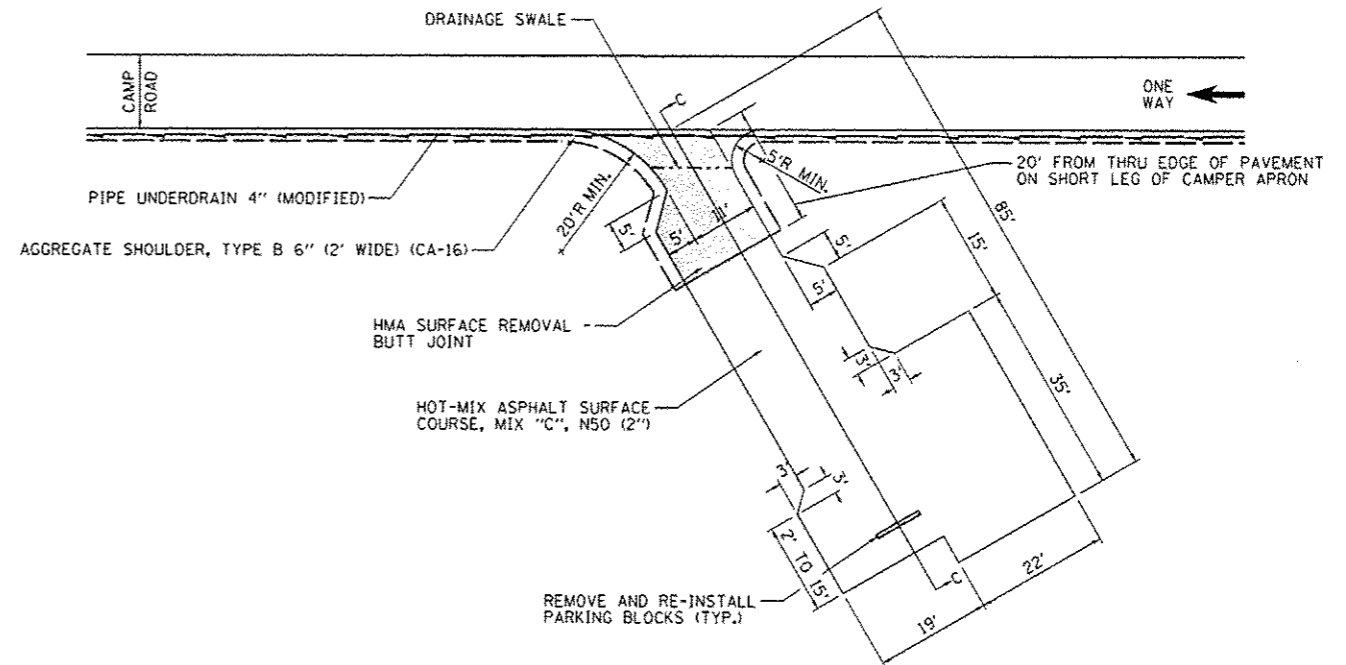
SCALE: N.T.S. SHEET 1 OF 2 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PARK ROADS		69	61
• WILL AND KANKAKEE			CONTRACT NO. 46302	
[ILLINOIS] FED. AID PROJECT				



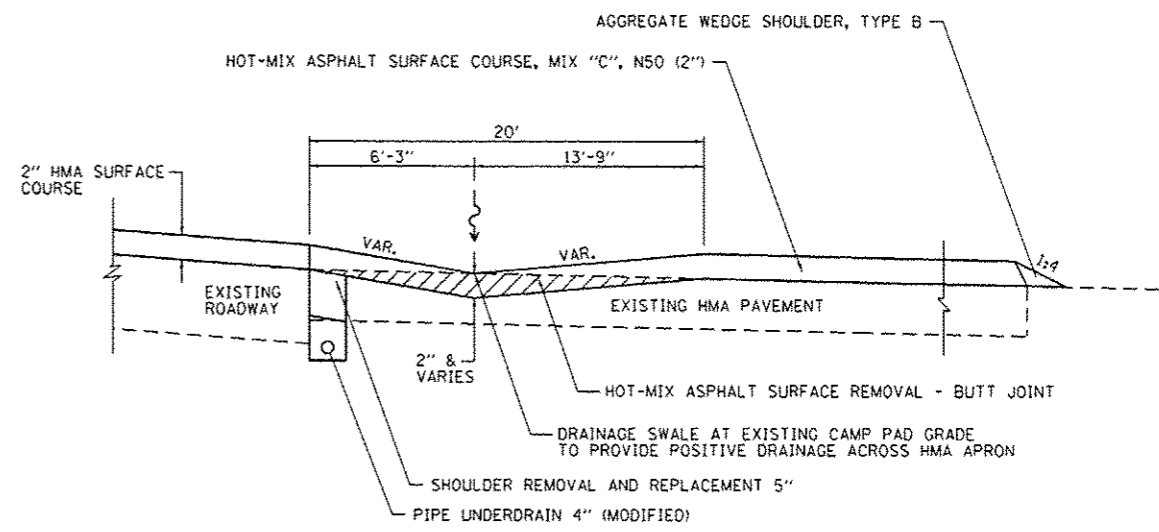
TYPICAL HOST CAMPSITE

OAK



TYPICAL HANDICAP CAMPSITE

HAWTHORN
OSAGE



SECTION C-C

OAK
HAWTHORN
OSAGE

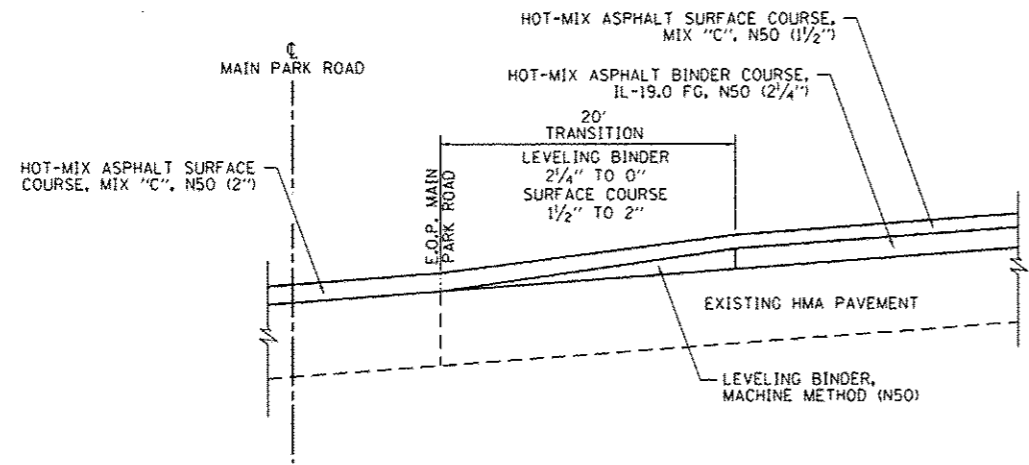
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		DRAWN -	REVISED -
		RAH	-
		CHECKED -	REVISED -
		BJD	-
CAMPSITES 2	PLDT DATE :	DATE -	REVISED -
	3/28/2014	3/28/2014	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

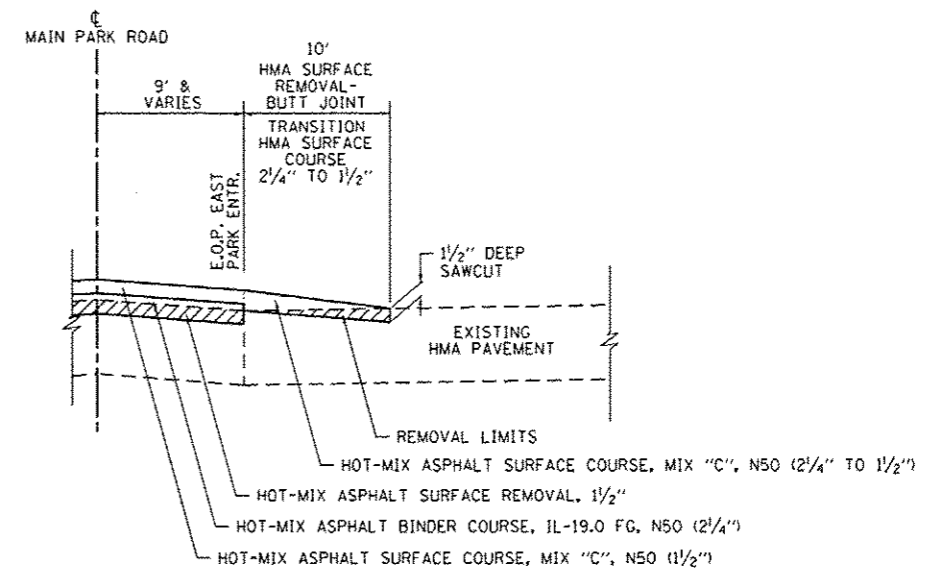
**CAMPSITE CONSTRUCTION DETAILS
KANKAKEE RIVER STATE PARK**

SCALE: N.T.S. SHEET 2 OF 1 SHEETS STA. TO STA.

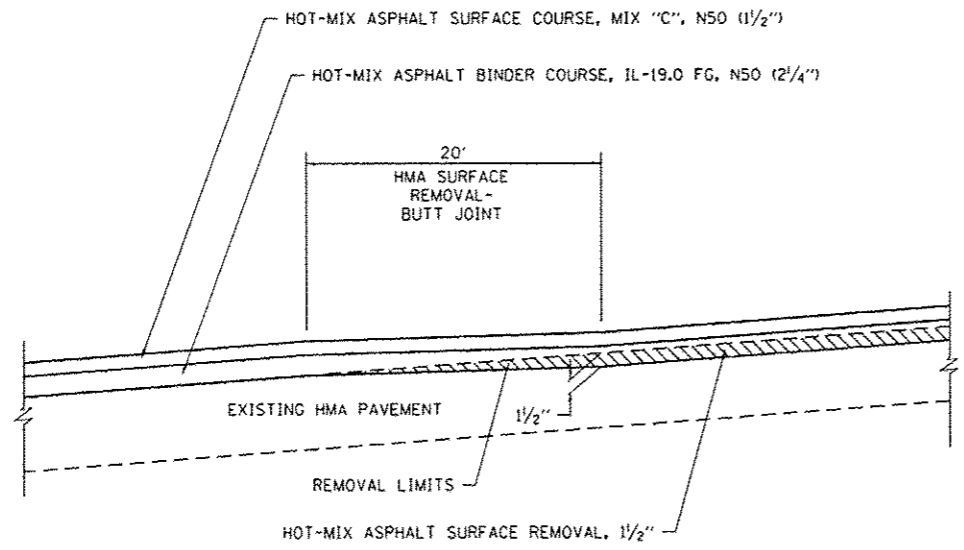
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PARK ROADS	*	69	62
* WILL AND KANKAKEE			CONTRACT NO. 46302	
ILLINOIS FED. AID PROJECT				



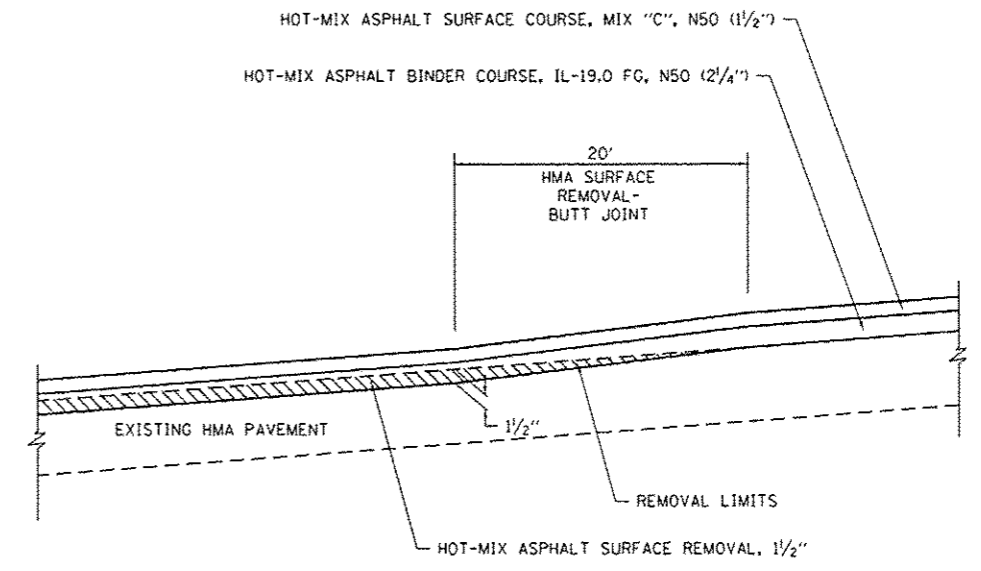
HMA TRANSITION - 1
EAST PARK ENTRANCE (AT MAIN PARK RD)



HMA TRANSITION - 3
EAST PARK ENTRANCE (AT MAINTENANCE SHED)



HMA TRANSITION - 2
EAST PARK ENTRANCE (STA. 1+30.00 TO STA. 1+50.00)



HMA TRANSITION - 4
EAST PARK ENTRANCE (STA. 6+80.00 TO STA. 7+00.00)

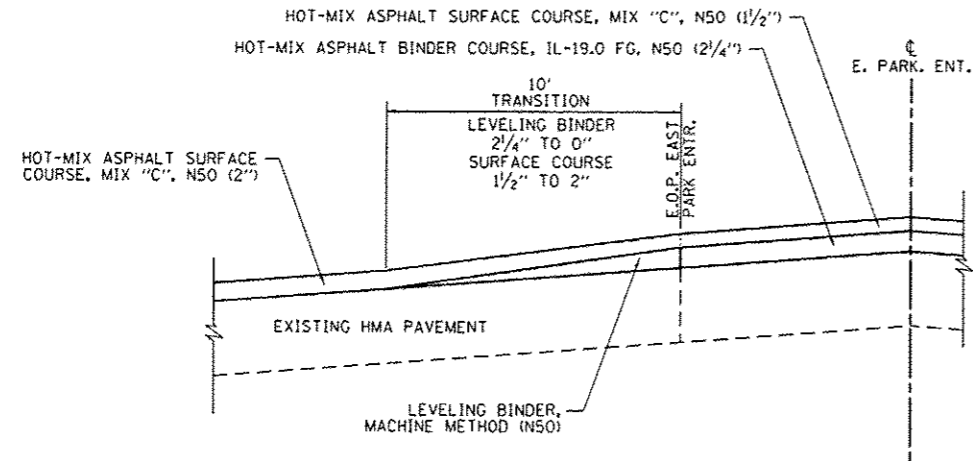
FILE NAME :	USER NAME : Brad Downen	DESIGNED - MJO	REVISED -
L:\IDOT\1180618\W0_17\Draw\CADD_Sheets\46302_sht_Details.dgn		DRAWN - RAH	REVISED -
	PLOT SCALE : 100.0000' / in.	CHECKED - BJD	REVISED -
HMA TRANSITIONS	PLOT DATE : 3/28/2014	DATE - 3/28/2014	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HMA TRANSITIONS
KANKAKEE RIVER STATE PARK

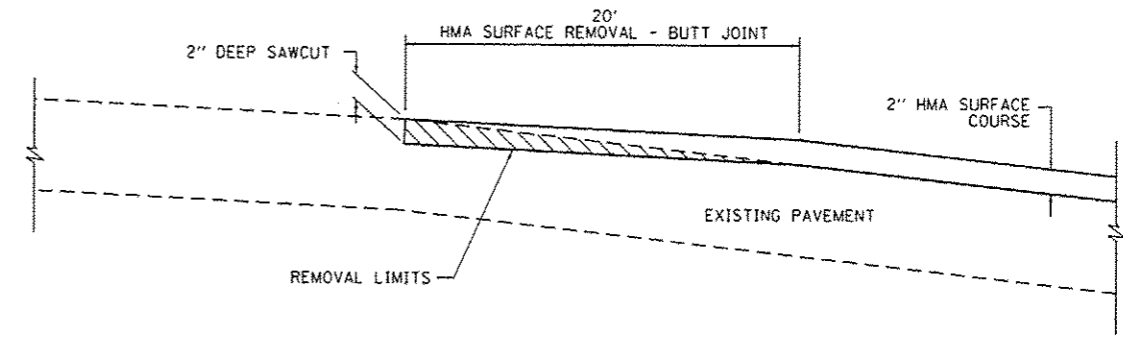
SCALE: N.T.S. SHEET 1 OF 2 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PARK ROADS		69	63
• WILL AND KANKAKEE			CONTRACT NO. 46302	
ILLINOIS FED. AID PROJECT				



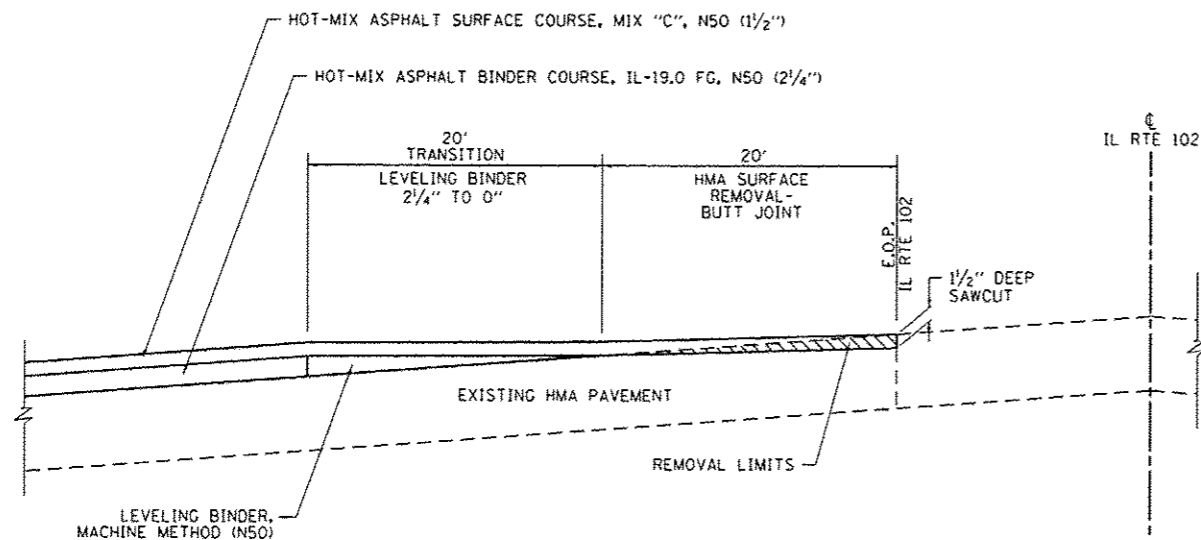
HMA TRANSITION - 5

EAST PARK ENTRANCE (AT BLUEBIRD)
EAST PARK ENTRANCE (AT FORESTER)



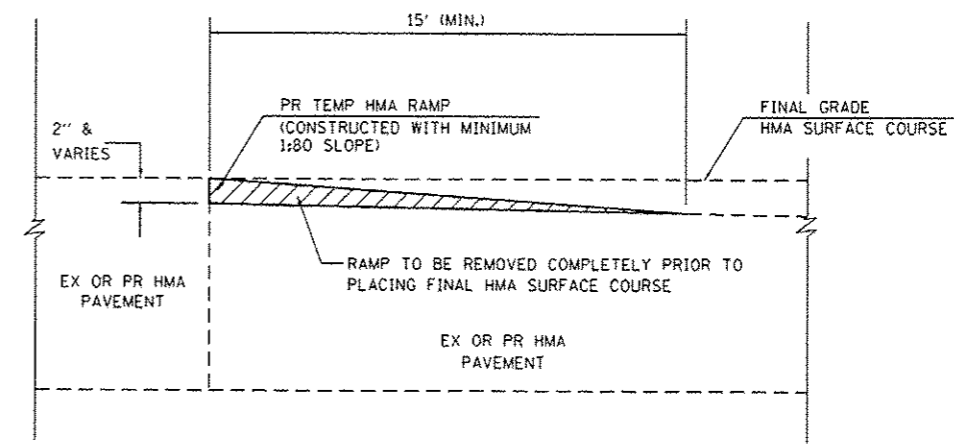
HMA TRANSITION - 7

MAIN PARK ROAD



HMA TRANSITION - 6

EAST PARK ENTRANCE (AT IL RTE 102)



TEMPORARY RAMPS

AS DIRECTED BY THE ENGINEER FOR MAINTENANCE OF TRAFFIC OPERATIONS

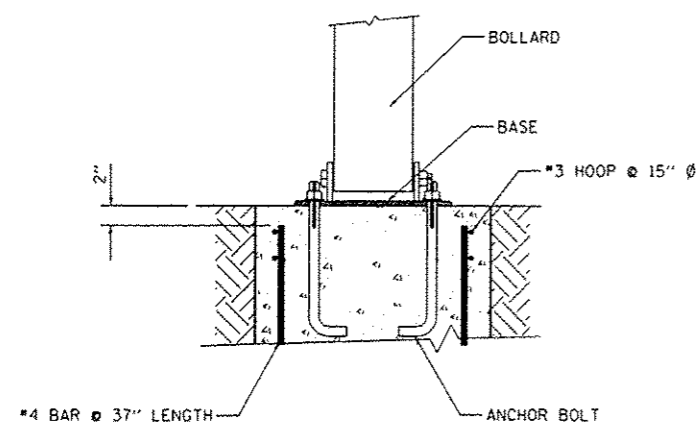
FILE NAME :	USER NAME :	DESIGNED -	REVISED -
L:\1001\1106618\10.17\10.17\10.17\CADD\Sheets\1146302.sht Details.dgn	Brad Downen	MJO	
		DRAWN -	REVISED -
		RAH	
		CHECKED -	REVISED -
		BJD	
		DATE -	REVISED -
		3/28/2014	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

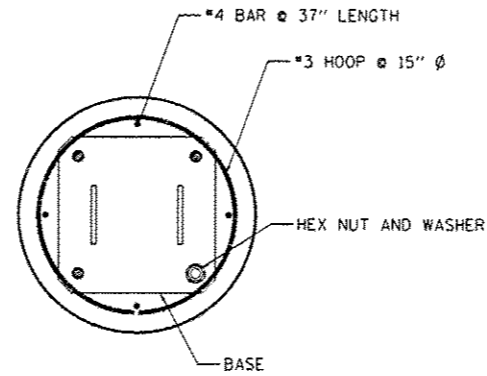
HMA TRANSITIONS AND TEMPORARY RAMP DETAILS
KANKAKEE RIVER STATE PARK

SCALE: N.T.S. SHEET 2 OF 2 SHEETS STA. TO STA.

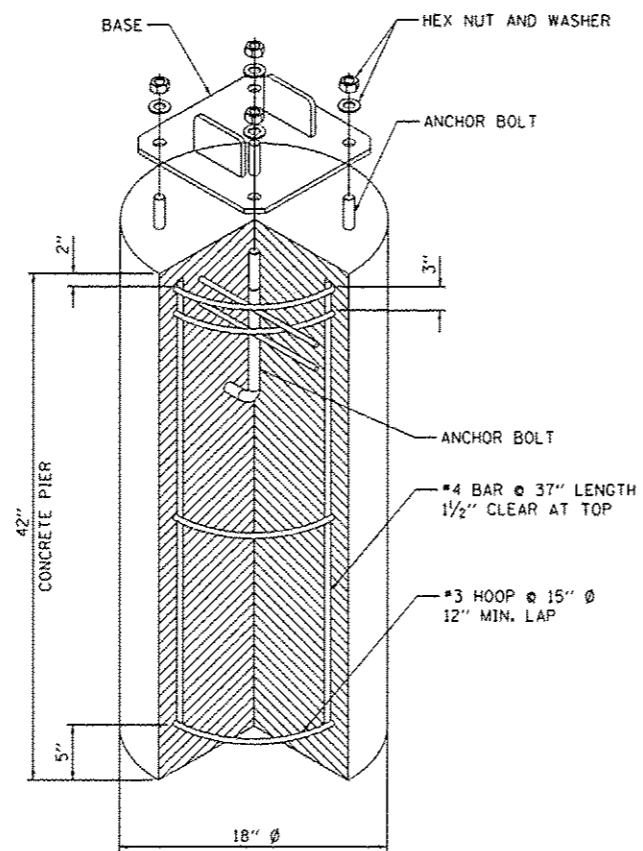
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PARK ROADS	*	69	64
* WILL AND KANKAKEE			CONTRACT NO. 46302	
ILLINOIS FED. AID PROJECT				



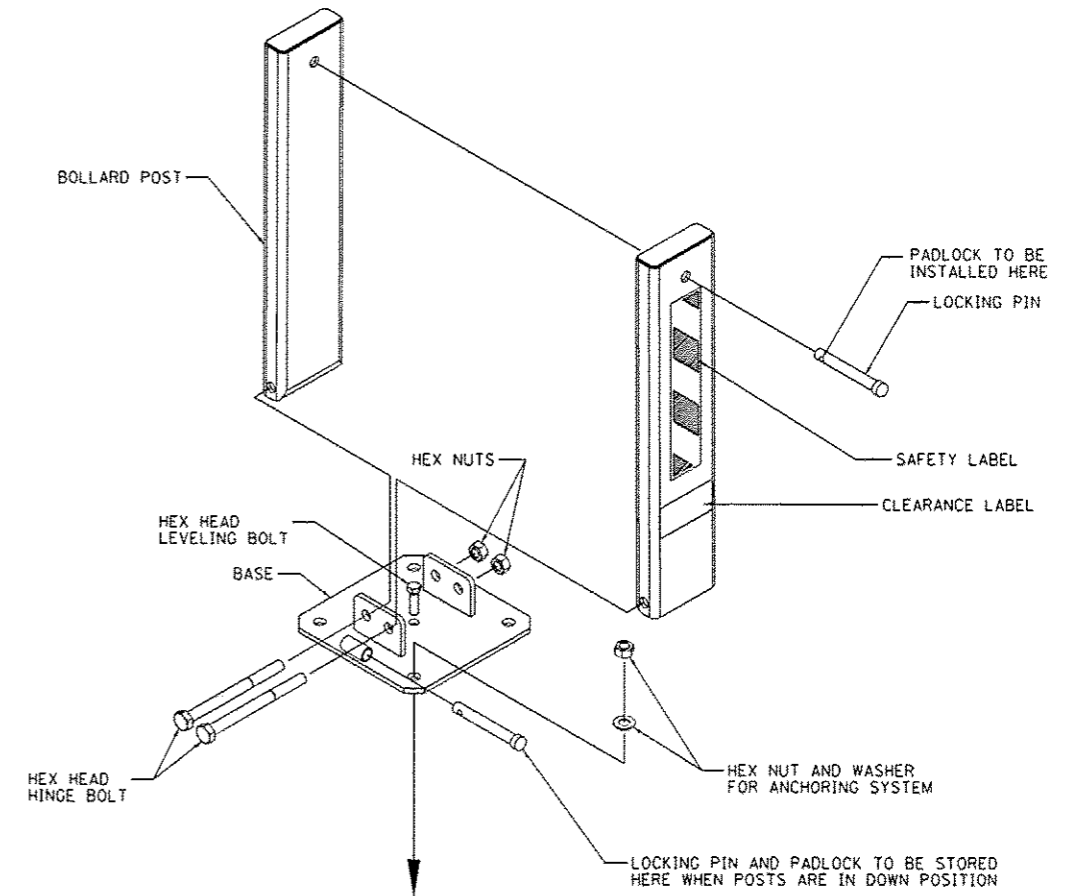
ELEVATION



SECTION



ANCHOR SYSTEM



DOUBLE HINGE BOLLARD POST

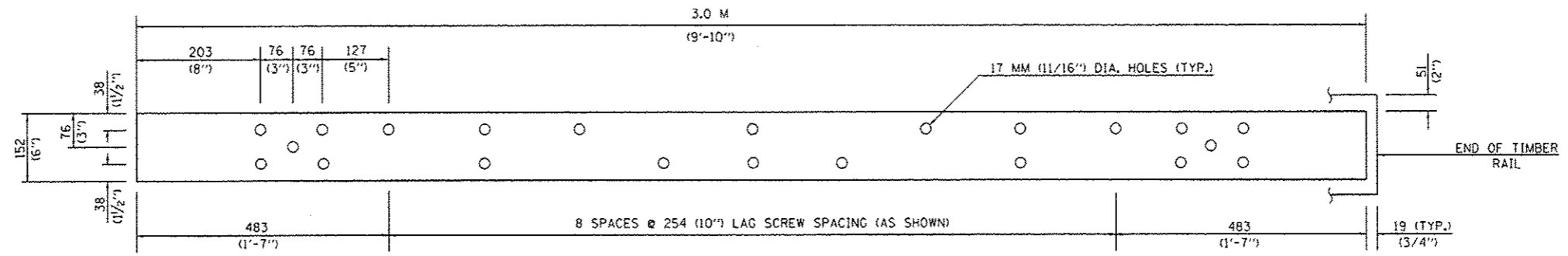
FILE NAME :	USER NAME : Brad Downen	DESIGNED -	REVISED -
L:\IDOT\1106610\W017\Draw\CADD\Sheets\046302.sht Details.dgn		DRAWN -	REVISED -
	PLOT SCALE = 100.0000' / 1" =	CHECKED -	REVISED -
FOLD DOWN BOLLARDS	PLOT DATE = 3/28/2014	DATE - 3/28/2014	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

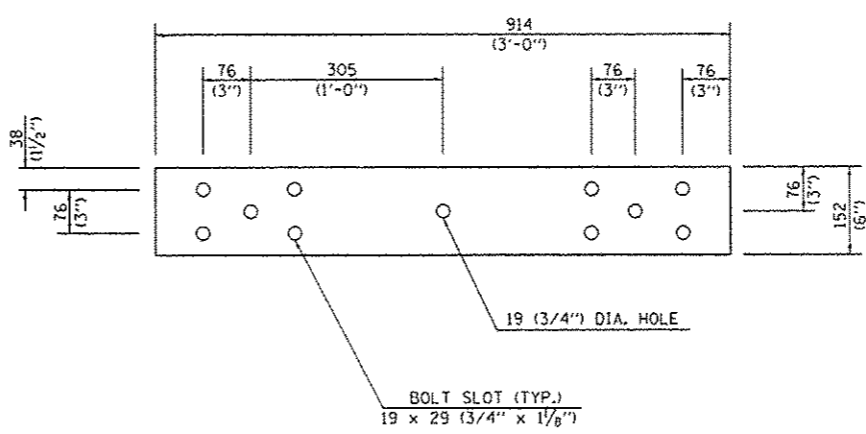
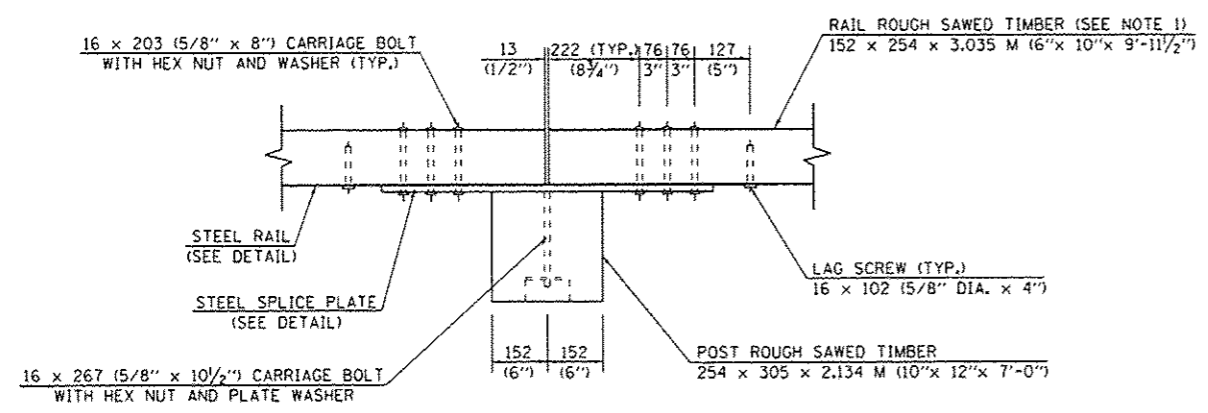
FOLD DOWN BOLLARD DETAIL
KANKAKEE RIVER STATE PARK

SCALE: N.T.S. SHEET 1 OF 1 SHEETS STA. TO STA.

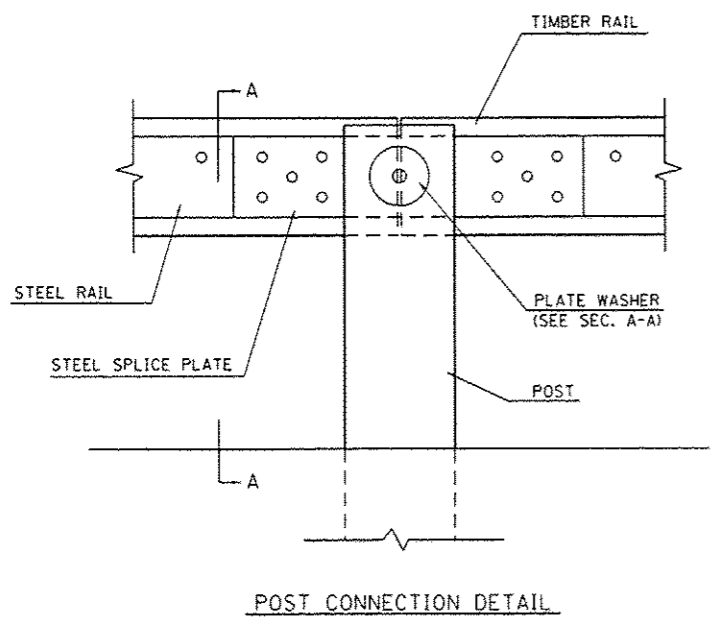
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PARK ROADS		69	65
* WILL AND KANKAKEE			CONTRACT NO. 46302	
ILLINOIS FED. AID PROJECT				



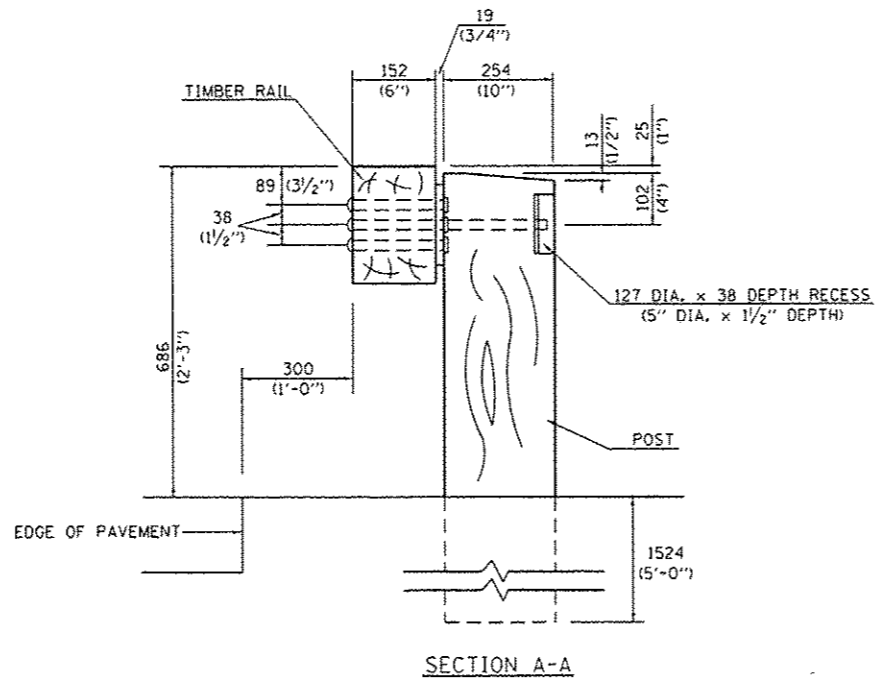
STEEL RAIL DETAIL 152 x 10 x 3 M
(6" x 3/8" x 9'-10")



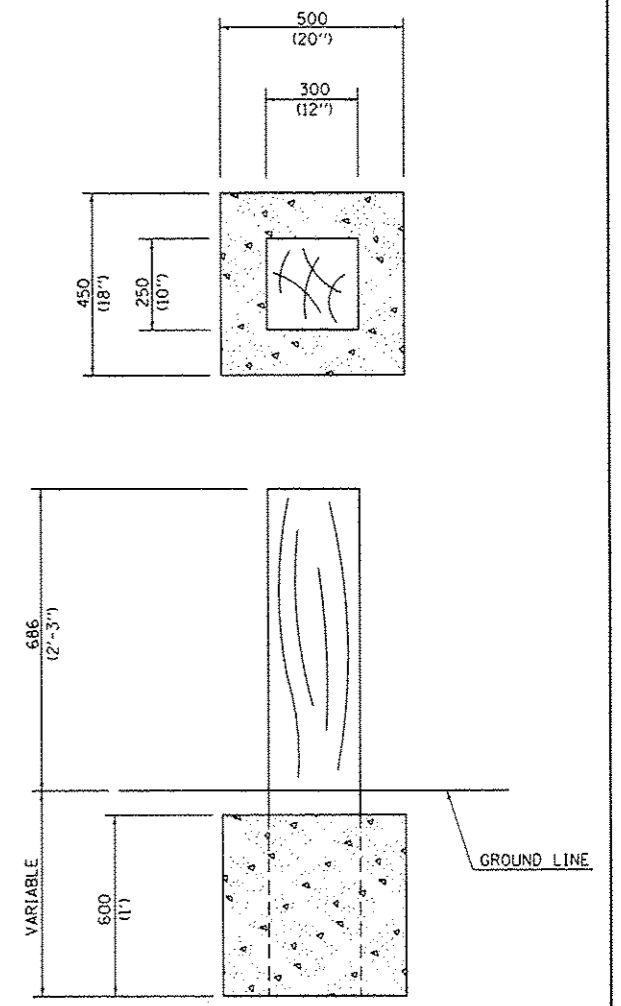
STEEL SPLICE PLATE DETAIL
152 x 10 x 914 (6" x 3/8" x 3'-0")



POST CONNECTION DETAIL



SECTION A-A



SHORT POST ELAVATION

GENERAL NOTES

1. ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE SHOWN
2. USE WEATHERING STEEL FOR ALL STRUCTURAL STEEL AND FASTENER HARDWARE
3. POST TYPE: 254 (10") x 305 (12") WOOD
BEAM TYPE: 152 (6") x 254 (10") WOOD WITH STEEL PLATE BACKING
4. REFER TO ARTICLE 1007.12 OF THE STANDARD SPECIFICATIONS
5. USE WATER BORNE PRESERVATIVE ONLY

FILE NAME :	USER NAME :	DESIGNED :	REVISED :
Li:\100T\1106610\W0.17\10-04\CADD\Sheets\046302.sht Details.dgn	Brad Downen	-	-
GUARDRAIL	PLOT SCALE = 100.0000 ' / in.	CHECKED :	REVISED :
	PLOT DATE = 3/28/2014	DATE = 3/28/2014	REVISED :

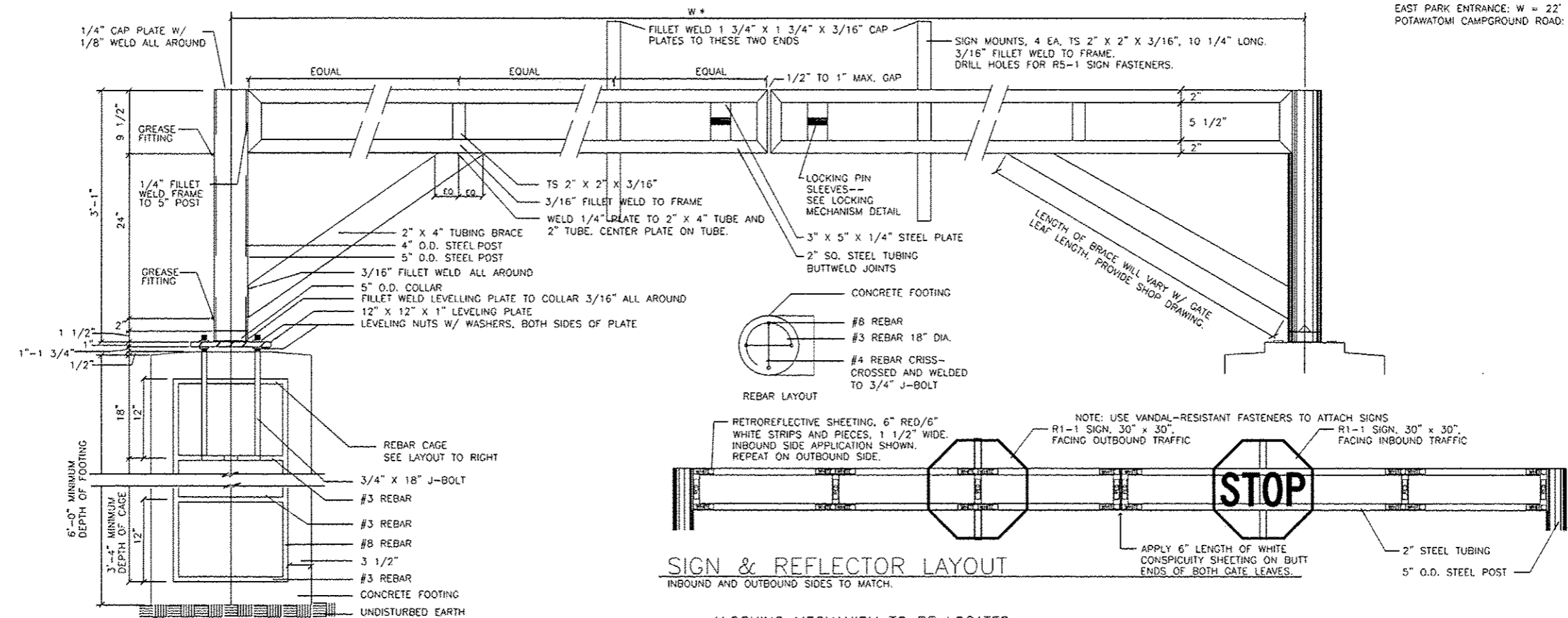
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

WOOD GUARDRAIL DETAILS KANKAKEE RIVER STATE PARK		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SCALE: N.T.S.	SHEET 1 OF 1 SHEETS	STA.	PARK ROADS	*	69	66
		TO STA.	* WILL AND KANKAKEE		CONTRACT NO. 46302	
ILLINOIS FED. AID PROJECT						

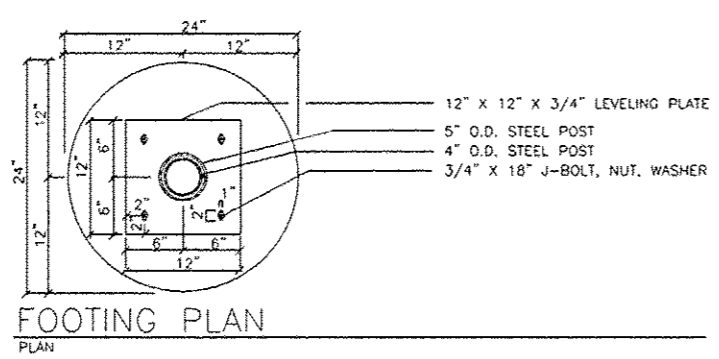
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PARK ROADS	*	69	66
* WILL AND KANKAKEE			CONTRACT NO. 46302	
ILLINOIS FED. AID PROJECT				

* WIDTHS

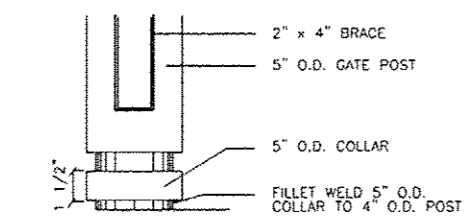
EAST PARK ENTRANCE: W = 22'
 POTAWATOMI CAMPGROUND ROAD: W = 22'



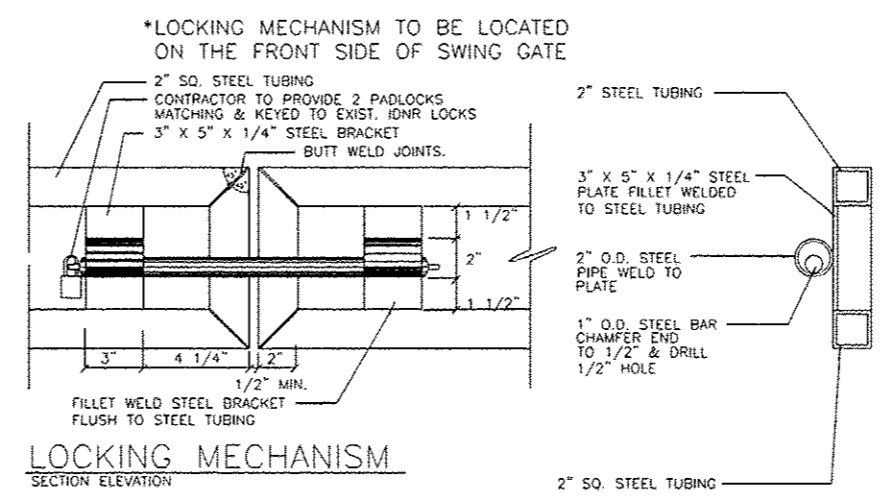
SWING GATE--FRONT SIDE
 REBAR ELEVATION/SECTION



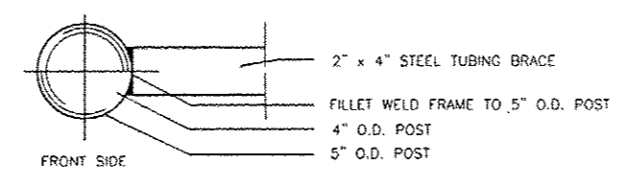
FOOTING PLAN
 PLAN



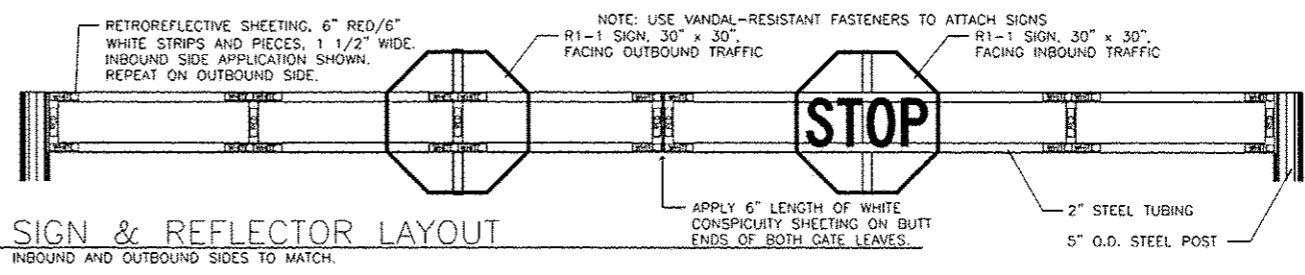
POST, SLEEVE, & COLLAR
 ELEVATION



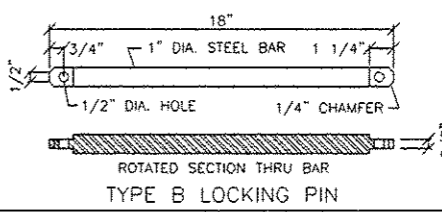
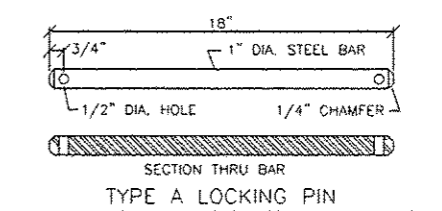
LOCKING MECHANISM
 SECTION ELEVATION



HINGE POST
 SECTION



SIGN & REFLECTOR LAYOUT
 INBOUND AND OUTBOUND SIDES TO MATCH.



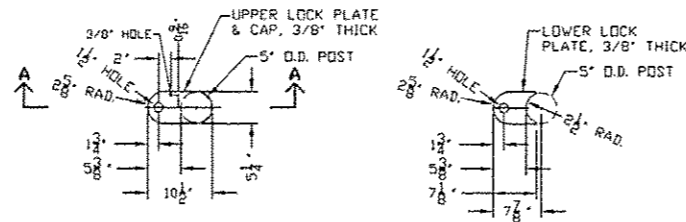
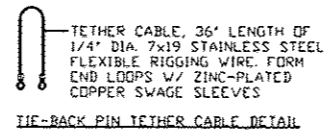
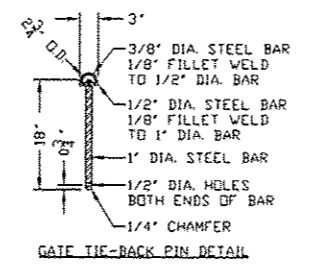
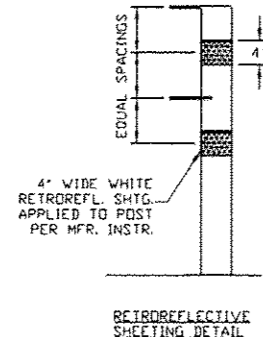
LOCKING PIN
 PROVIDE 2 EA OF 1 TYPE AS SPECIFIED

FILE NAME :	USER NAME = Brad Davnen	DESIGNED -	REVISED -
L:\1007\1106610\10\17\10\10\CADD\Sheets\046302.sht Details.dgn		DRAWN -	REVISED -
DATE	PLOT SCALE = 100.0000 1/4" = 1'-0"	CHECKED -	REVISED -
	PLOT DATE = 3/28/2014	DATE - 3/28/2014	REVISED -

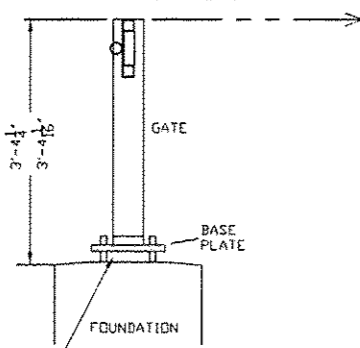
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TUBULAR STEEL GATE DETAIL
 KANKAKEE RIVER STATE PARK
 SCALE: N.T.S. SHEET 1 OF 2 SHEETS STA. TO STA.

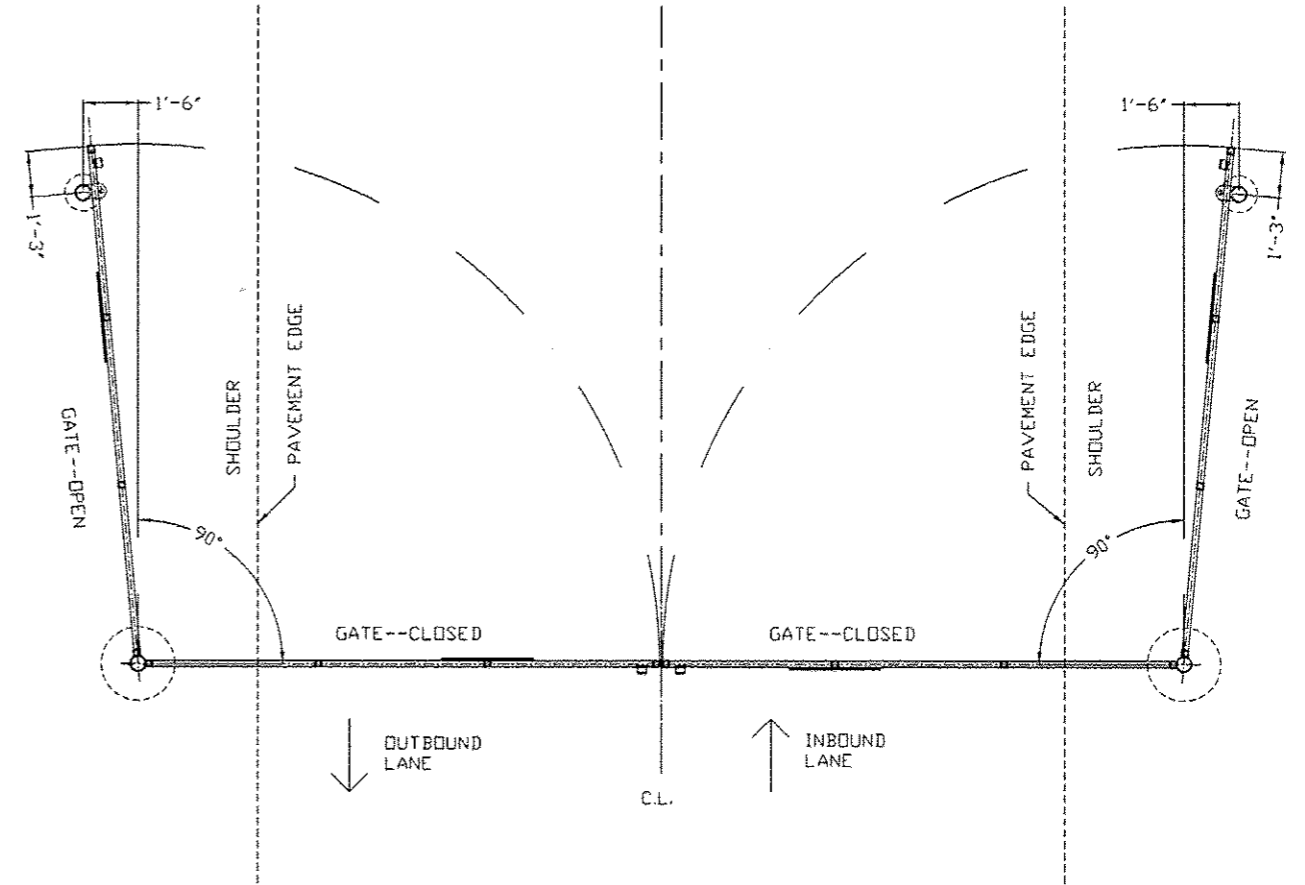
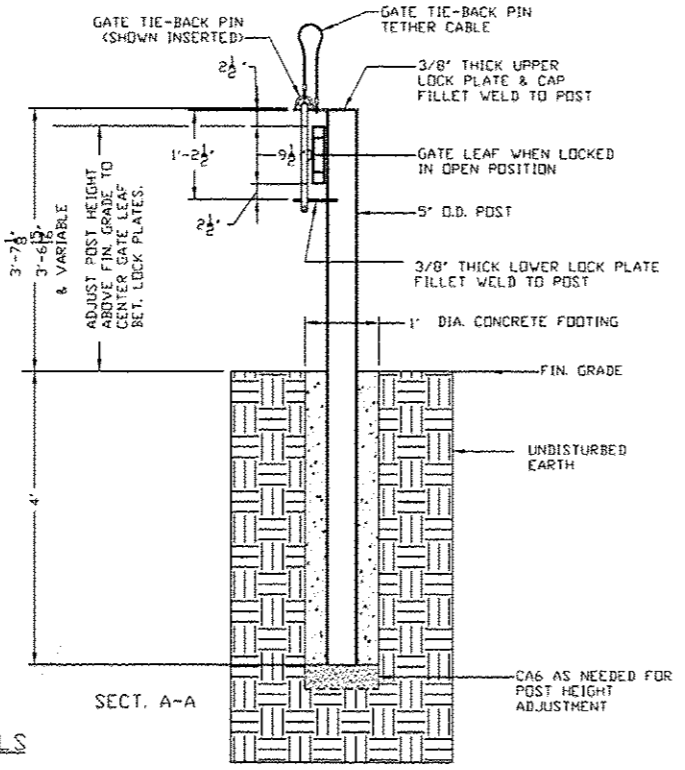
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PARK ROADS		69	67
* WILL AND KANKAKEE			CONTRACT NO. 46302	
ILLINOIS FED. AID PROJECT				



SWING GATE ASSEMBLY-- SHOWN FOR REFERENCE



GATE TIE-BACK POST DETAILS



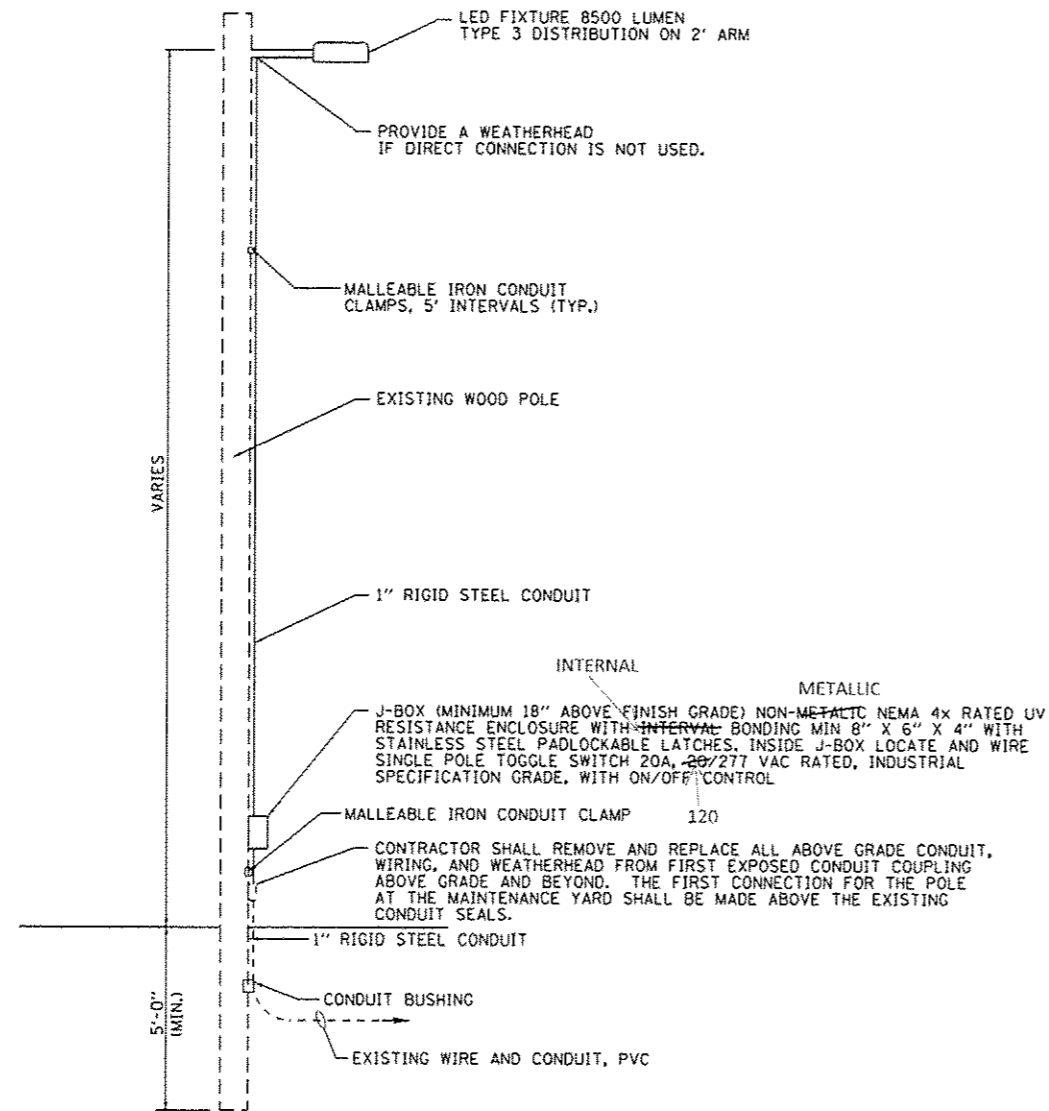
SWING GATE TIE-BACK POST SITE PLAN

FILE NAME =	USER NAME = Brad Davoren	DESIGNED -	REVISED -
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GATE 2	PLOT SCALE = 100.0000 / 1 in.	CHECKED -	REVISED -
	PLOT DATE = 3/28/2014	DATE = 3/28/2014	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

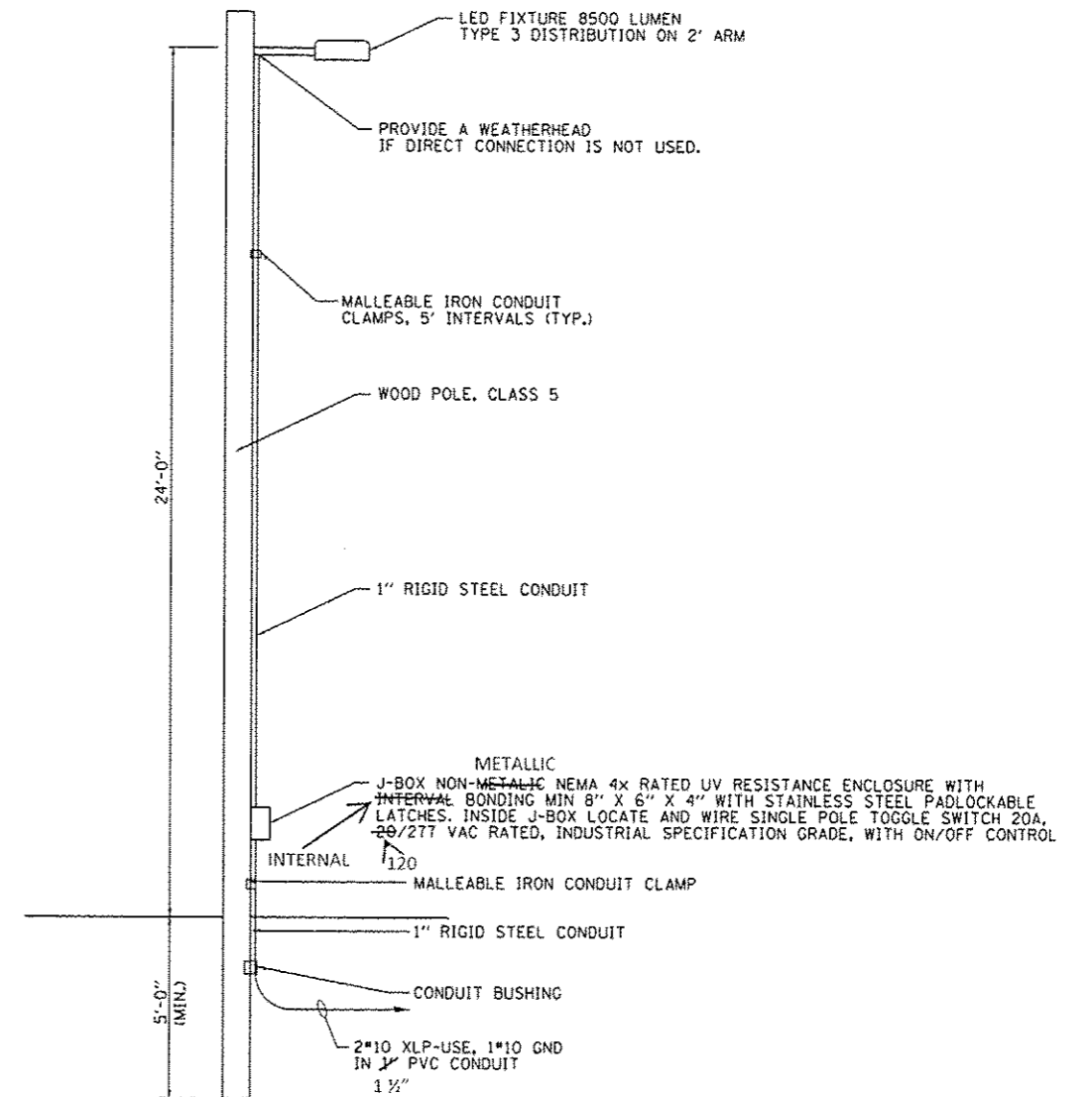
TUBULAR STEEL GATE DETAIL KANKAKEE RIVER STATE PARK			
SCALE: N.T.S.	SHEET 2 OF 2 SHEETS	STA.	TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PARK ROADS	*	69	68
* WILL AND KANKAKEE			CONTRACT NO. 46302	
ILLINOIS FED. AID PROJECT				



NOTE:
CIRCUIT SHALL BE ADEQUATELY PROTECTED WITH A BREAKER AT THE SOURCE

EXISTING LIGHT AND POLE DETAIL
NO SCALE



NOTE:
CIRCUIT SHALL BE ADEQUATELY PROTECTED WITH A BREAKER AT THE SOURCE

PROPOSED LIGHT AND POLE DETAIL
NO SCALE

FILE NAME *	USER NAME * Brad Downen	DESIGNED - LDW	REVISED -
L:\DOT\1186618\W0.17\Dev\CADD_Sheets\046302_sht_Details.dwg		DRAWN - RAH	REVISED -
LIGHTING	PLOT SCALE * 100.0000' / in.	CHECKED - BJD	REVISED -
	PLOT DATE * 3/28/2014	DATE - 3/28/2014	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING DETAILS
KANKAKEE RIVER STATE PARK

SCALE: N.T.S. SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PARK ROADS		69	69
* WILL AND KANKAKEE			CONTRACT NO. 46302	
ILLINOIS FED. AID PROJECT				