

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PARK ROADS 2017-03	JACKSON	59	1
		ILLINOIS	CONTRACT NO. 46419	

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

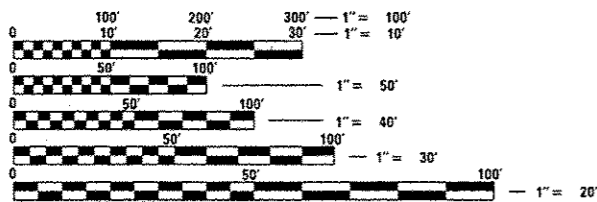
**PROPOSED  
HIGHWAY PLANS**

IDOT /IDNR STATEWIDE  
PARK ROADS GIANT CITY – IDNR  
SECTION PARK ROADS 2017-03  
PARKING LOT AND ROADWAY IMPROVEMENT  
JACKSON COUNTY  
I.D.N.R. FILE NO. 5-16-004  
C-30-021-16

INDEX OF SHEETS

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1	COVER SHEET
2	INDEX OF SHEETS, GENERAL NOTES, LIST OF STANDARDS, AND DETAILS
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39-40	GATE DETAILS
41-44	SITE DETAILS
45-58	ELECTRICAL PLANS
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FOR LIST OF STANDARDS,  
SEE SHEET #2

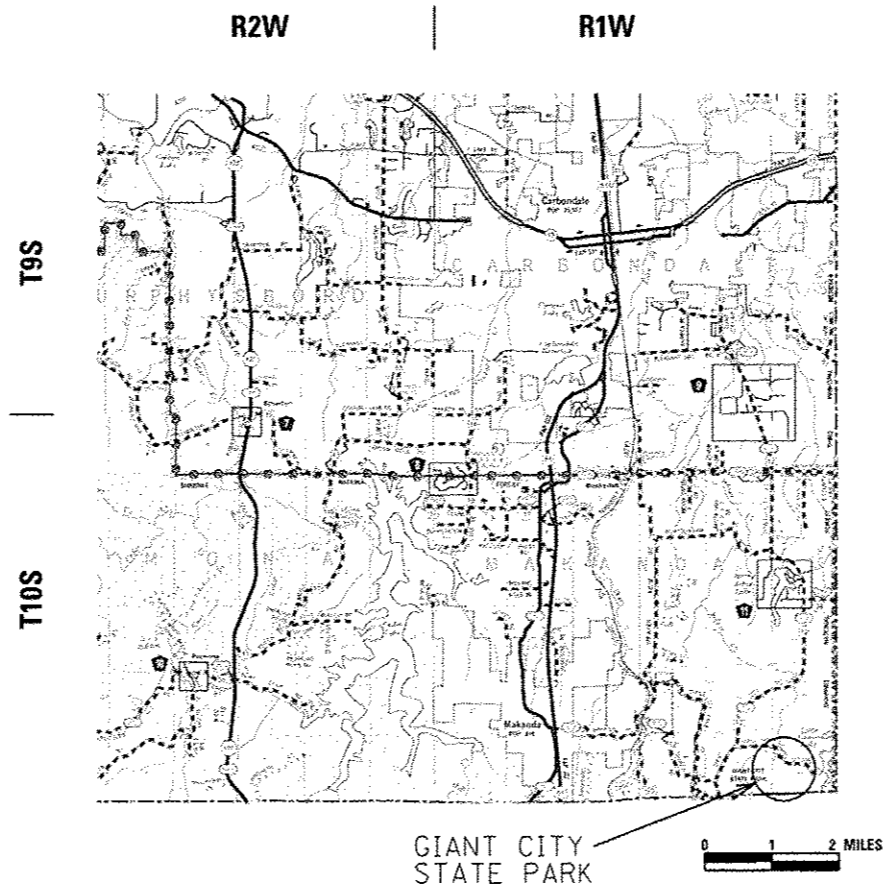


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER: VINCE MADONIA

CONTRACT NO. 46419



ROBERT H. [Signature]  
REGISTERED PROFESSIONAL ENGINEER OF ILLINOIS  
EXPIRES 11/30/17  
SIGNED 3/30/17

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

SUBMITTED 3-30-17  
[Signature] REGIONAL ENGINEER  
May 12 2017  
Naveen M. Addi, P.E.  
ENGINEER OF DESIGN AND ENVIRONMENT  
May 12 2017  
[Signature] DIRECTOR OF PROGRAM DEVELOPMENT

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OF THE STATE OF ILLINOIS

**LEGEND**

- PROPOSED STORM SEWER
- - - EXISTING STORM SEWER
- - - - EXISTING DITCH
- PROPOSED INLET
- ⊕ EXISTING SIGN
- ⊙ EXISTING LIGHT POLE
- ⊗ EXISTING WATER VALVE
- ⊘ EXISTING DECIDUOUS TREE
- ⊠ EXISTING POWER POLE
- ⊡ EXISTING FIRE HYDRANT
- ⊢ EXISTING CATCH BASIN
- ⊣ EXISTING INLET
- ⊤ EXISTING MANHOLE
- ⊥ EXISTING FLARED END SECTION
- ⊦ EXISTING BOLLARD
- ⊧ EXISTING JUNCTION BOX

**GENERAL NOTES**

- 1) SPECIFICATIONS SHALL BE THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED APRIL 1, 2016.
- 2) ALL ELEVATIONS ARE REFERENCED TO ELEVATIONS ESTABLISHED BY OTHERS.
- 3) WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKERS AND MONUMENTS UNTIL THE OWNER AND AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION. IF THE ENGINEER DECIDES TO HAVE THE CONTRACTOR RESET THE MONUMENT, THIS WORK WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION.
- 4) THE CONTRACTOR SHALL CONTACT J.U.L.I.E. TO HAVE PUBLIC AND PRIVATE UTILITIES LOCATED PRIOR TO ANY CONSTRUCTION.
- 5) THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY FROM CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.26 OF THE STANDARD SPECIFICATIONS. THE J.U.L.I.E. NUMBER IS (800) 892-0123. A MINIMUM OF 48 HOURS ADVANCE NOTICE IS REQUIRED.
- 6) ANY REFERENCE TO THE STANDARDS THROUGHOUT THE PLANS SHALL BE INTERPRETED TO BE THE LATEST STANDARDS OF THE DEPARTMENT AS INCLUDED IN THESE PLANS.
- 7) ALL DETAILS IN THE PLANS SHALL GOVERN CONSTRUCTION OF THIS PROJECT, AND IN CASE OF CONFLICT WITH ANY STANDARD DRAWINGS INCLUDED, THE SAID DETAILS SHALL TAKE PRECEDENCE AND GOVERN.
- 8) THE CONTRACTOR SHALL ASSUME COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY, AND HOLD THE OWNER AND THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR THE LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR THE ENGINEER.
- 9) ALL CONSTRUCTION LAYOUT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- 10) ALL BORROW/WASTE/USE SITES MUST BE APPROVED BY THE DEPARTMENT PRIOR TO REMOVING ANY MATERIAL FROM THE PROJECT OR INITIATING ANY EARTHMOVING ACTIVITIES, INCLUDING TEMPORARY STOCKPILING OUTSIDE THE LIMITS OF CONSTRUCTION.
- 11) THE CONTRACTOR SHALL SEED ALL DISTURBED AREAS WITHIN THE PROJECT LIMITS. SEEDING SHALL BE CLASS 1. THIS WORK WILL BE INCLUDED IN THE CONTRACT UNIT PRICE PER SQ YD FOR "TOPSOIL, FURNISH AND PLACE, VARIABLE DEPTH".
- 12) FERTILIZER SHALL BE APPLIED TO ALL DISTURBED AREAS AND INCORPORATED INTO THE SEEDBED PRIOR TO SEEDING OR PLACEMENT OF SOD AT THE RATE SPECIFIED IN SECTIONS 250 AND 252 OF THE STANDARD SPECIFICATIONS. THIS WORK SHALL BE INCLUDED IN THE COST OF "TOPSOIL, FURNISH AND PLACE, VARIABLE DEPTH".
- 13) MULCH METHOD II SHALL BE APPLIED OVER ALL SEEDING AREAS. THIS SHALL BE INCLUDED IN THE COST OF "TOPSOIL, FURNISH AND PLACE, VARIABLE DEPTH".
- 14) THE BASELINES SHOWN THROUGHOUT THE PLANS ARE A "BEST FIT" ALIGNMENT OF THE CENTER OF THE EXISTING ROADWAYS FOR THE PURPOSE OF STATIONING AND DETERMINATION OF OFFSETS. IN MOST CASES, IT DOES NOT REPRESENT THE PHYSICAL CENTER OF THE EXISTING ROADWAY SURFACE. THE QUANTITIES COMPUTED FOR GIANT CITY PARK ROADS WERE DETERMINED BASED UPON THE "BEST-FIT" ALIGNMENT OF THE EXISTING ROADWAY.  
  
THE CONTRACTOR, AS DIRECTED BY THE ENGINEER, SHALL WORK TO ACHIEVE THE NOTED ROADWAY WIDTHS WITH THE CONCEPT OF MINIMIZING THE PLACEMENT OF NEW MATERIALS.
- 15) CONSULT WITH THE SITE SUPERINTENDENT TO IDENTIFY STAGING AREAS AND MATERIAL STORAGE AREAS.
- 16) ALL SIGN LOCATIONS ARE TO BE STAKED IN THE FIELD BY THE RESIDENT ENGINEER.
- 17) PROVIDE DETECTABLE METALLIC UNDERGROUND TAPE ABOVE ALL NEW UTILITY LINES. COST INCIDENTAL TO NEW UTILITY PAY ITEM.
- 18) THE CONTRACTOR SHALL EXPOSE THE EXISTING SANITARY SEWER AT THE INLET TO THE EXISTING SEPTIC TANKS. THE CONTRACTOR SHALL COORDINATE THE PROPOSED ELEVATIONS AT THE DUMP STATION WITH THE RESIDENT ENGINEER PRIOR TO INITIATION OF WORK AT THE DUMP STATION.
- 19) ALL TREES AND SHRUBBERY SHALL BE PROTECTED UNLESS THEY ARE SHOWN TO BE REMOVED ON THE DEMOLITION SHEETS
- 19) DURING THE PERIOD OF AUGUST 12-23, 2017, THERE SHOULD BE NO CONSTRUCTION ACTIVITIES THAT IMPACT THE CAMP SITES, ACCESS TO THE CAMPGROUND, AND/OR CAMPGROUND FACILITIES. ALL EXISTING FACILITIES MUST BE IN PROPER WORKING ORDER BETWEEN AUGUST 12-23, 2017, UNLESS THE NEW FACILITIES HAVE ALREADY BEEN INSTALLED AND COMPLETED.

**LIST OF STANDARDS**

STD NO.	DESCRIPTION
000001-06	STANDARD SYMBOLS, ABBREVIATIONS & PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH & FOOT
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
420001-08	PAVEMENT JOINTS
420701-03	PAVEMENT WELDED WIRE REINFORCEMENT
424001-09	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
442201-03	CLASS C & D PATCHES
542401-02	METAL END SECTION FOR PIPE CULVERTS
602301-04	INLET - TYPE A
604036-03	GRATE, TYPE 8
606001-06	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606301-04	PCC ISLANDS AND MEDIANS
701001-01	OFF-RD OPERATIONS 2L, 2W, MORE THAN 15' (4.5m) AWAY
701006-05	OFF-RD OPERATIONS 2L, 2W, 15' (4.5m) TO 24" (600mm) FROM PAVEMENT EDGE
701011-04	OFF-RD MOVING OPERATIONS 2L, 2W, DAY ONLY
701901-06	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
728001-01	TELESCOPING STEEL SIGN SUPPORT
780001-05	TYPICAL PAVEMENT MARKINGS
814001-03	HANDHOLES
821101-02	LUMINAIRE WIRING IN POLE
830001-03	LIGHT POLE ALUMINUM MAST ARM
836001-02	LIGHT POLE FOUNDATION
BLR 17-4	TRAFFIC CONTROL DEVICES DAY LABOR CONSTRUCTION
BLR 18-6	TRAFFIC CONTROL DEVICES - DAY LABOR MAINTENANCE
BLR 21-9	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

LOCATION(S)	PARK ROADS
MIX USES	BINDER SURFACE
DESIGN AIR VOIDS	4.0% @ N=50
MIXTURE COMPOSITION	PG 64-22
FRICTION AGGREGATE	N/A MIX C
QUALITY MANAGEMENT PROGRAM	QC/OA
SUBLOT SIZE	N/A

THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED TO CALCULATE THE PLAN QUANTITIES

BITUMINOUS MATERIALS (TACK COAT ON PAVEMENT)	0.05 LB/SQ FT
BITUMINOUS MATERIALS (TACK COAT BETWEEN LIFTS)	0.025 LB/SQ FT
BITUMINOUS MATERIALS (PRIME COAT)	0.25 LB/SQ FT
BITUMINOUS CONCRETE SURFACE/BINDER	0.056 TON/SQ PER 1-INCH
AGGREGATE MATERIAL	205 TON/CY
SEEDING FERTILIZER NUTRIENTS (N, P, K)	90,90,90 LBS/ACRE
PARKING LOT SEAL COAT	0.27 GAL/SQ YD

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES  
GIANT CITY STATE PARK

FILE NAME * 46419-sh102 gennote.dgn	USER NAME * Connor Bell	DESIGNED - B.T.M.	REVISED -	SCALE: SHEET OF SHEETS STA. TO STA.	GENERAL NOTES GIANT CITY STATE PARK	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Default		DRAWN - S.D.K.	REVISED -				PARK ROADS 2017-03	JACKSON	99	2	
		CHECKED - R.H.D.	REVISED -							CONTRACT NO. 46419	
		DATE - 3/13/17	REVISED -							ILLINOIS/REG. AID PROJECT	

RURAL  
100% STATE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
				ROADWAY 0005 S.N.
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	178	178
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	353	353
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	133	133
20400800	FURNISHED EXCAVATION	CU YD	338	338
20800150	TRENCH BACKFILL	CU YD	35	35
21101600	TOPSOIL FURNISH AND PLACE, VARIABLE DEPTH	SQ YD	360	360
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	553	553
21400100	GRADING AND SHAPING DITCHES	FOOT	720	720
28000305	TEMPORARY DITCH CHECKS	FOOT	80	80
28000400	PERIMETER EROSION BARRIER	FOOT	330	330
28000500	INLET AND PIPE PROTECTION	EACH	9	9
28100107	STONE RIPRAP, CLASS A4	SQ YD	400	400
28200200	FILTER FABRIC	SQ YD	400	400
31101100	SUBBASE GRANULAR MATERIAL, TYPE B	CU YD	133	133

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RURAL  
100% STATE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
				ROADWAY 0005 S.N.
31101200	SUBBASE GRANULAR MATERIAL, TYPE B 4"	SQ YD	195	195
35102000	AGGREGATE BASE COURSE, TYPE B 8"	SQ YD	2088	2088
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	11376	11376
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	8446	8446
40600525	LEVELING BINDER (HAND METHOD), N50	TON	20	20
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	1431	1431
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	66	66
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	1332	1332
42000060	WELDED WIRE REINFORCEMENT	SQ YD	160	160
42000100	PORTLAND CEMENT CONCRETE PAVEMENT 6"	SQ YD	128	128
42000300	PORTLAND CEMENT CONCRETE PAVEMENT 8"	SQ YD	32	32
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	1084	1084
42400800	DETECTABLE WARNINGS	SQ FT	40	40
44000600	SIDEWALK REMOVAL	SQ FT	962	962

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RURAL  
100% STATE  
CONSTR. CODE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
				ROADWAY 0005 S.N.
44201769	CLASS D PATCHES, TYPE III, 10 INCH	SQ YD	39	39
45100200	CRACK FILLING	POUND	400	400
48101500	AGGREGATE SHOULDERS, TYPE B 6"	SQ YD	1915	1915
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	76.6	76.6
50105220	PIPE CULVERT REMOVAL	FOOT	195	195
542C0217	PIPE CULVERTS, CLASS C, TYPE 1 12"	FOOT	35	35
542C0220	PIPE CULVERTS, CLASS C, TYPE 1 15"	FOOT	205	205
54213447	END SECTIONS 12"	EACH	1	1
54213450	END SECTIONS 15"	EACH	14	14
54215571	METAL END SECTIONS 36"	EACH	2	2
54390260	INSERTION CULVERT LINER 48"	FOOT	81	81
56200300	WATER SERVICE LINE 1"	FOOT	28	28
60236200	INLETS, TYPE A, TYPE 8 GRATE	EACH	1	1
60605900	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-9.12	FOOT	76	76

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\* SPECIALTY ITEM

RURAL  
100% STATE  
CONSTR. CODE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
				ROADWAY 0005 S.N.
60617800	PAVED FLUME	FOOT	393	393
63400105	GUARD POSTS	EACH	24	24
67000500	ENGINEER'S FIELD OFFICE, TYPE B	CAL MO	4	4
67100100	MOBILIZATION	LSUM	1	1
* 72000100	SIGN PANEL - TYPE 1	SQ FT	86.25	86.25
* 72400600	RELOCATE SIGN PANEL ASSEMBLY - TYPE B	EACH	1	1
* 73000100	WOOD SIGN SUPPORT	FOOT	311.5	311.5
* 78001100	PAINT PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	245	245
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	3870	3870
* 78001130	PAINT PAVEMENT MARKING - LINE 6"	FOOT	2102	2102
* 81028750	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 2" DIA.	FOOT	145	145
* 81400100	HANDHOLE	EACH	2	2
* 81603010	UNIT DUCT, 600V, 2-1C NO. 10, 1/C NO. 10 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE	FOOT	625	625

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1/15 2017

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	RURAL 100% STATE	
				CONSTR. CODE	
				ROADWAY 0005 S.N.	
* 81603032	UNIT DUCT, 600V, 2-1C NO. 4, 1/C NO. 6 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	1580	1580	
* 81702110	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	3225	3225	
* 81702140	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 4	FOOT	45	45	
* 83600352	LIGHT POLE FOUNDATION, METAL, 11 1/2" BOLT CIRCLE, 8 5/8" X 6"	EACH	7	7	
* 84200600	REMOVAL OF LIGHTING UNIT, NO SALVAGE	EACH	7	7	
* 89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	7705	7705	
X0300019	REMOVE AND REINSTALL PARKING BLOCKS	EACH	38	38	
X0301797	GATE REMOVAL	EACH	1	1	
X0323013	TUBULAR STEEL GATE	EACH	2	2	
X0325777	BACKFLOW PREVENTER AND ENCLOSURE	EACH	1	1	
* X0326498	GFCI 20 AMP DUPLEX RECEPTACLE	EACH	1	1	
X0325790	WATER HYDRANT	EACH	2	2	
X0327308	PARKING LOT SEAL COAT	GALLON	2883	2883	
X0327979	PAVEMENT MARKING REMOVAL - GRINDING	SQ FT	546	546	
X0696100	PARKING BLOCKS	EACH	22	22	
X020410	EARTH EXCAVATION (SPECIAL)	CU YD	973.5	973.5	

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\* SPECIALTY ITEM

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	RURAL 100% STATE	
				CONSTR. CODE	
				ROADWAY 0005 S.N.	
X2200003	FENCE (SPECIAL)	FOOT	39	39	
X2600016	MINOR SIGN COMPLETE	EACH	85	85	
X4020900	AGGREGATE SURFACE COURSE, TYPE B SPECIAL	SQ YD	4912	4912	
X8061055	CONCRETE ISLAND (SPECIAL)	SQ FT	370	370	
X8340205	GUARD POSTS REMOVAL	EACH	20	20	
X7010216	TRAFFIC CONTROL AND PROTECTION, SPECIAL	LSUM	1	1	
X7240300	SIGN REMOVAL	EACH	5	5	
Z0004002	BOLLARDS	EACH	3	3	
Z0013798	CONSTRUCTION LAYOUT	LSUM	1	1	
Z0013300	CONCRETE REMOVAL (SPECIAL)	SQ YD	4	4	
Z0056700	SANITARY SEWER 4"	FOOT	22	22	
X0320055	WATER TOWER (FREEZE PROOF)	EACH	1	1	
* X8570100	DISCONNECT SWITCH	EACH	7	7	
* X1400247	LIGHT POLE, SPECIAL, 20'	EACH	7	7	
* X1400212	LUMINAIRE, LED, HORIZONTAL MOUNT, VERY LOW WATTAGE	EACH	7	7	

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REV

JOB NO. 250-141-F VASCONCELLES ENGINEERING CORP. DESIGN FIRM REGISTRATION NUMBER 184-002107

TREE REMOVAL SCHEDULE			
STA.		TREE REMOVAL (6 TO 15) (UNITS) 20100110	TREE REMOVAL (OVER 15) (UNITS) 20100210
102+26.00, 21.0'	RT	6	
102+26.50, 24.5'	RT	6	
102+29.50, 21.5'	RT	12	
102+30.50, 23.0'	RT	6	
102+34.00, 27.0'	RT	6	
102+34.50, 39.0'	RT		18
102+34.50, 29.5'	RT	6	
102+36.00, 30.0'	RT	6	
102+38.00, 35.0'	RT	6	
102+41.00, 40.5'	RT	6	
102+41.50, 35.5'	RT	6	
102+47.50, 66.5'	RT	12	
102+48.50, 61.0'	RT		23
102+51.00, 80.0'	RT		28
102+53.00, 84.0'	RT		23
102+55.50, 50.0'	RT	12	
102+69.00, 66.0'	RT	8	
103+31.00, 100.5'	RT	9	
103+83.50, 84.5'	RT		18
103+89.00, 67.5'	RT		18
103+97.00, 22.0'	RT		18
200+72.00, 13.0'	RT		18
302+06.00, 8.0'	RT		18
305+71.50, 6.5'	RT		18
403+18.50, 8.5'	RT		16
404+26.00, 59.0'	RT		23
404+37.50, 84.0'	RT	13	
500+96.50, 39.0'	RT	12	
502+36.50, 8.0'	RT	15	
504+58.00, 7.50'	RT		18
504+63.00, 8.50'	RT	10	
507+45.00, 10.5'	RT		18
805+33.00, 5.0'	LT		24
805+65.50, 6.0'	LT		17
806+27.50, 8.0'	LT		18
806+61.50, 9.0'	LT	12	
806+92.50, 9.50'	RT		19
901+27.50, 9.0'	LT	9	
		<b>178</b>	<b>353</b>

EARTHWORK SCHEDULE							
CAMPSITE	STATION	STATION	FURNISHED EXCAVATION (CU YD) 20400800	TOPSOIL FURN & PLACE, VAR DEPTH (SQ YD) 21101600	TOPSOIL FURN & PLACE, 4 (SQ YD) 21101615	GRAD & SHAPING DITCHES (FOOT) 21400100	EARTH EXCAVATION SPL (CU YD) X2020410
	11						1.5
	13						1.6
	15						1.9
	17						2.1
	19						2.5
	21						2.2
	28						2.0
	29						1.8
	32						1.9
	34						13.2
	35						8.6
	36						7.9
	37						9.8
	38						11.6
	40						11.0
	42						4.5
	43						5.7
	44						3.9
	46						5.1
	49						4.0
	50						6.0
	51						5.0
	52						6.0
	54						3.0
	55						5.0
	56						2.0
	57						4.0
	58						3.0
	61				36		
	62						2.0
	63						8.0
	66						8.0
	67						8.0
*	100+11.37	TO	105+70.00				31.2
*	200+07.70	TO	204+64.64				56.0
*	300+12.17	TO	306+36.70				41.6
*	400+11.09	TO	409+95.83				45.2
	406+15.41	TO	406+61.27				4.7
*	500+04.57	TO	508+56.54				49.2
	500+15.05	TO	500+20.05				1.0
	508+39.58	TO	508+44.58				0.9
*	600+08.18	TO	602+71.71				21.0
*	700+23.72	TO	703+00.00				13.1
	700+63.00 14.4' LT	TO	703+00.00 15.0' LT			240	
	703+00.00 15.0' LT	TO	706+56.00 11.0' LT			350	
*	703+00.00	TO	709+00.00				21.7
	706+13.50	TO	706+59.50				5.3
*	709+00.00	TO	714+54.08				12.5
	711+15.00	TO	712+94.00				56.0
	711+30.00 14.0' RT	TO	712+42.00 25.0' RT			130	
	713+65.00	TO	710+60.00				115.0
*	800+09.47	TO	803+25.00				18.9
*	803+25.00	TO	808+57.59				35.0
*	900+24.49	TO	905+44.79				29.7
	1000+18.14	TO	1000+87.64				1.5
	1100+10.30	TO	1102+71.48	338	288	517	214.0
			HOST SITE				17.0
			SHOWER BUILDING		72		20.2
			<b>338</b>	<b>360</b>	<b>553</b>	<b>720</b>	<b>973.5</b>
* PAVEMENT WIDENING, SHOULDERS, AND ROADWAY REMOVAL							

EROSION CONTROL SCHEDULE				
LOCATION		TEMP DITCH CHECKS (FOOT) 28000305	PERIMETER EROS BAR (FOOT) 28000400	INLET & PIPE PROT (EACH) 28000500
204+52.00	LT			1
306+38.00	LT			1
400+87.00	LT			1
409+10.00	RT			1
700+97.44	LT	8		
701+51.22	LT	8		
702+05.06	LT	8		
702+57.18	LT	8		
703+08.00	LT	8		
703+56.08	LT	8		
704+03.32	LT	8		
704+62.40	LT	8		
705+24.45	LT	8		
705+88.07	LT	8		
706+56.00	LT			1
713+53.81	RT			1
800+18	RT			1
905+36.00	LT			1
1100+01.00, 27.0' LT	TO	1102+65.58, 13.0' LT	330	
1201+30				1
<b>TOTAL =</b>		<b>80</b>	<b>330</b>	<b>9</b>

PAVEMENT MARKING SCHEDULE					
LOCATION		PAINT PVT MARK LET & SYM (SQ FT) 78001100	PAINT PVT MARK -LINE 4" (FOOT) 78001110	PAINT PVT MARK -LINE 6" (FOOT) 78001130	PAVT MARKING REMOVAL (SQ FT) 78300100
100+50.60, 3.8'	RT & LT	13			
104+08.00, 30.0' LT	TO	104+75.50, 13.5' LT	159	124	124
104+49.00, 3.8'	RT & LT	13			
104+87.00, 17.0'	LT	3.1			
200+35.50		6.5			
204+27.00		6.5			
300+40.00		6.5			
302+32.00		6.5			
306+06.50		6.5			
400+35.00		6.5			
406+36.00		3.1			
406+45.00				144	144
406+74.00		6.5			
407+59.00		6.5			
408+61.00		6.5			
409+70.00		6.5			
500+27.50		6.5			
506+07.00		6.5			
508+23.60		6.5			
600+42.50		6.5			
602+53.70		6.5			
700+32.00		6.5			
706+32.00	RT			138	138
706+42.00, 13.3'	RT	3.1			
708+10.00		6.5			
708+84.00		13			
710+44.89, 43.5' RT	TO	713+71.00, 28.5' LT	260		
711+25.00		6.5			
712+67.60, 21.5'	LT	3.1			
712+71.50				140	140
714+14.00		6.5			
800+29.00		6.5			
802+06.00		6.5			
808+30.00		6.5			
900+42.00		6.5			
905+30.00		6.5			
1100+39.00		6.5			
1102+42.00		6.5			
LODGE PARKING LOT		18.6	2,451	1,350	
VISITOR PARKING LOT		6.2	1,000	206	
<b>TOTAL =</b>		<b>245</b>	<b>3,870</b>	<b>2,102</b>	<b>546</b>

FILE NAME = 46419-sh06-09-schedule.dgn  
 USER NAME = Connor Bell  
 PLOT SCALE = 40.0000' / in.  
 PLOT DATE = 3/29/2017

DESIGNED - B.T.M.	REVISIONS -
DRAWN - S.D.K.	REVISIONS -
CHECKED - R.H.D.	REVISIONS -
DATE - 3/6/17	REVISIONS -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SCHEDULE OF QUANTITIES  
GIANT CITY STATE PARK**

SCALE: SHEET 1 OF 4 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PARK ROADS 2017-03	JACKSON	59	6
CONTRACT NO. 46419				
ILLINOIS FED. AID PROJECT				

JOB NO. 250-141-F VASCCELLES ENGINEERING CORP. DESIGN FIRM REGISTRATION NUMBER 184-002107

### DRAINAGE SCHEDULE

CAMP SITE	STA.	STA.	TRENCH BKFL (CU YD)	STONE CL A4 (SQ YD)	FILTER FABRIC (SQ YD)	PIPE CULV REM (FOOT)	END SECT. 12" (EACH)	END SECT. 15" (EACH)	METAL END SEC 36" (EACH)	INSERT CULV LINER 48" (FOOT)	PIPE CULV, CL TY I, 12" (FOOT)	PIPE CULV, CL TY I, 15" (FOOT)	INLETS TA T8G (EACH)	PAVED FLUME (FOOT)
	11													12
	13													13
	15													15
	17													17
	19													22
	21													18
	28													16
	29													15
	32													15
	34													25
	35													16
	36													15
	37													15
	38													19
	40													18
	42													17
	43													21
	44													19
	46													20
		200+15.50												17
		204+51.00	6.4			31		2				33		
		306+38.00	7.2			31		2				31		
		400+87.00	3.0			18		2				20		
		409+10.00	3.3			23		2				25		
		500+17.50												25
		508+42.50												23
		706+56.00	3.9			21		2				21		
		713+40.66 18.56' LT TO 713+57.11 11.73' RT	3.9				1				35		1	
		800+18.00	3.9			43		2				45		
		905+36.00	3.0			28		2				30		
		1217+40.50, 33.5' RT TO 1218+00.00, 120.0' RT		400	400									
		1201+30.00 TO 1201+37.00							2	81				
<b>TOTAL =</b>			<b>35</b>	<b>400</b>	<b>400</b>	<b>195</b>	<b>1</b>	<b>14</b>	<b>2</b>	<b>81</b>	<b>35</b>	<b>205</b>	<b>1</b>	<b>393</b>

### SIGN SCHEDULE

STA.		SIGN PANEL T1 (SQ FT)	SIGN I.D. NO.	RELOC SIGN ASSY TB (EACH)	WOOD SIGN SUPPORT (FOOT)	MINOR SIGN COMPLETE (EACH)	SIGN REMOVAL (EACH)
100+21.45, 29.6'	LT	4	R1-1		12.5		
103+47.64, 15.8'	RT	5	R2-1		12.5		
104+85.35, 32.2'	LT	2	R7-8 & R7-1101		11		1
204+61.50, 10.5'	RT	4	R1-1		12.5		
306+44.80, 11.5'	RT	4			12.5		
306+49.20, 30.0'	RT	6.25	W3-1		12.5		
406+45.62, 26.3'	LT	2	R7-8 & R7-1101		11		1
409+67.50, 13.0'	LT	4	R5-1		12.5		
409+97.00, 15.0'	RT	4	R1-1				
508+45.71, 14.0'	LT	4	R1-1		12.5		
602+67.19, 15.2'	RT	4	R1-1		12.5		
700+32.00, 11.0'	RT	4	R5-1		12.5		
700+40.00, 12.0'	LT	4	R1-1		12.5		
706+42.00, 33.0'	RT	2	R7-8 & R7-1101		11		1
711+27.18, 13.0'	LT	1.5	R4-7A		12.5		
711+51.05, 15.8'	LT	1.5	R7-6D		12.5		
711+62.80, 13.9'	LT			1			
712+37.25, 16.7'	LT	1.5	R7-6D		12.5		
712+69.00, 44.5'	LT	2	R7-8 & R7-1101		11		1
808+46.29, 19.5'	RT	4	R1-1		12.5		
900+48.33, 15.5'	RT	3	R6-2L		12.5		
905+29.70, 12.0'	RT	4	R1-1		12.5		
1100+97.32, 12.0'	LT	1.5			11		
1101+00.50, 9.3'	LT	1.5			11		
1101+00.50, 9.3'	LT	1.5					
1101+15.39, 8.4'	RT						1
1101+42.50, 14.3'	LT	2.25			11		
1101+42.50, 14.3'	LT	2.25					
1101+47.10, 14.3'	LT	2			11		
1101+58.74, 10.5'	LT	1.5			11		
1102+58.92, 14.0'	LT	3			12.5		
<b>CAMP SITES 1-85</b>						<b>85</b>	
		<b>86.25</b>		<b>1</b>	<b>311.5</b>	<b>85</b>	<b>5</b>

### MISCELLANEOUS ITEMS SCHEDULE

STA.	STA.	REM & DISP UNS MATL (CU YD)	DETECTABLE WARNINGS (SQ FT)	PCC SIDEWALK 5" (SQ FT)	SIDEWALK REM (SQ FT)	WATER SERV LINE 1 (FOOT)	GUARD POSTS (EACH)	REM LT U NO SALV (EACH)	REM REIN PARKING BLKS (EACH)	GATE REMOVAL (EACH)	TUB STEEL GATE (EACH)	BFLOW PREVENT ENCLOSE (EACH)	WATER HYDRANT (EACH)	PARKING BLOCKS (EACH)	FENCE (SPECIAL) (FOOT)	CONCRETE ISLAND SPL (SQ FT)	GUARD POSTS REMOV (EACH)	BOLLARDS (EACH)	CONC. REMOV (SPECIAL) (SQ YD)	SAN SEW 4 (FOOT)	WATER TOWER FREEZE PROOF EACH	
101+07.00 21.3' RT			8	254																		
200+66.00 10.0' RT & LT			16	46	122																	
301+09.75 12.5' RT			8																			
301+18.00 10.8' LT			8																			
306+61.00 165' RT											1											
711+58.00					19																	
711+70.00	TO	712+42.00	LT				24											20				
712+77.00 106.0' LT										1	1											
713+65.00	TO	710+60.00												14								
1101+27.93, 12.0' LT												1										
1101+98.36, 13.2' LT	TO	1102+12.10, 17.2' LT													39							
1101+02.32	TO	1101+39.37	LT													370						
1101+05.55, 9.0' RT	TO	1101+25.23, 9.0' RT							4										4			
1101+07.11, 9.11' RT	TO	1101+12.88, 12.0' LT																		22		
1101+18.75, 11.5' LT																						1
1101+20.93, 12.0' LT																						
1101+35.94, 12.0' LT													1									
1101+31.56, 12.0' LT	TO	1101+46.84, 11.2' RT				28							1									
1102+02.07, 13.6' LT																						
1102+03.82, 16.2' LT																						
1102+05.55, 18.9' LT																						
1201+24.00	TO	1201+42.00																				
HOST SITE				254	227			1														
SHOWER BLD				530	530																	
VISITOR CENTER											34											
CAMP SITE 40					64																	
			<b>133</b>	<b>40</b>	<b>1,084</b>	<b>962</b>	<b>28</b>	<b>24</b>	<b>1</b>	<b>38</b>	<b>1</b>	<b>2</b>	<b>1</b>	<b>22</b>	<b>39</b>	<b>370</b>	<b>20</b>	<b>3</b>		<b>22</b>	<b>1</b>	

CAMP SITE	STA.		SUB GRAN MAT B (CU YD)	SUB GRAN MAT B 4 (SQ YD)	AGGR BSE CSE, TY B, 8" (SQ YD)	BIT MATLS (PRIME COAT) (POUND)	BIT MATLS (TACK COAT) (POUND)	LEV BIND HM N50 (TON)	LEV BIND MM N50 (TON)	HMA SURF REM BUTT JT (SQ YD)	HMA SURF CSE, MIX "C", N50 (TON)	WELDED WIRE REINF (SQ YD)	PCC PVT, 6" (SQ YD)	PCC PVT, 8" (SQ YD)	CL D PATCH T3 10 (SQ YD)	CRACK FILLING (POUND)	AGGR SHLDRS, TY B, 6" (SQ YD)	AGG WEDGE SHLD TYPE B (TON)	COMB CC&G TB9.12 (FOOT)	PARK LOT SEAL CT (GALLON)	AGGR SURF CSE, TY B, SPCL 3" (SQ YD)	
	1	402+42.98	RT	31101100	31101200	35102000	40600275	40600290	40600525	40600625	40600982	40603310	42000060	42000100	42000300	44201769	45100200	48101500	48102100	60605900	X0327308	X4020900
	2	403+05.51	RT																			98
	3	403+49.35	RT																			81
	4	403+83.77	RT																			66
	5	404+12.52	RT																			86
	6	404+34.75	RT																			108
	7	404+54.13	RT																			103
	8	405+50.57	RT																			195
	9	406+06.49	RT																			71
	10	406+41.43	RT																			60
	11	500+69.12	LT				160	16		6		6						1.8				72
	12	500+97.87	RT																			87
	13	501+02.50	LT				163	16		6		6						2.1				53
	14	501+39.70	RT																			64
	15	501+49.70	LT				203	20		8		8						2.2				81
	16	501+70.41	RT																			126
	17	501+98.41	LT				312	31		12		12						2.8				49
	18	502+22.27	RT																			80
	19	502+62.19	LT				441	44		17		17						4.4				72
	20	503+01.22	RT																			49
	21	503+17.95	LT				337	34		13		13						3.6				80
	22	503+44.99	RT																			72
	23	503+93.73	RT																			49
	24	504+34.24	RT																			80
	25	504+50.90	RT				339	34		13		13						2.6				72
	26	505+15.22	RT				226	23		9		9						2.8				49
	27	506+41.69	RT				236	24		9		9						3				80
	28	506+47.00	LT				169	17		6		6						2				72
	29	506+90.89	LT				193	19		7		7						2.6				63
	30	507+30.22	LT																			53
	31	507+31.40	RT																			53
	32	507+64.67	LT																			119
	33	507+85.15	RT																			43
	34	103+06.87	LT				279	28		10		10						1.8				63
	35	102+39.06	LT				185	18		7		7						2.5				53
	36	101+97.33	LT				169	17		6		6						2.6				119
	37	101+35.29	LT				225	23		8		8						3.3				43
	38	100+82.90	LT				277	28		10		10						3.3				63
	39	302+38.38	RT				737	74		28		28						3.4				53
	40	302+75.49	LT				307	31		9		9						2.4				63
	41	303+66.76	RT				306	23		12		12						3				53
	42	303+34.46	LT				242	24		9		9						3.2				63
	43	304+23.06	LT				274	27		10		10						3.1				53
	44	304+74.47	LT				247	25		9		9						3.1				63
	45	305+15.56	RT				204	20		8		8						2.6				53
	46	305+48.22	LT				243	24		9		9						2.6				63
	47	305+97.87	RT				347	35		13		13						3.8				53
	48	807+17.03	RT																			121
	49	806+89.65	LT				17															115
	50	806+51.94	RT				25															101
	51	806+43.80	LT				24															88
	52	900+28.75	LT				25															84
	53	901+01.14	RT																			95
	54	901+43.00	LT				15															74
	55	901+39.03	RT				21															84
	56	901+79.00	LT				11															77
	57	901+69.34	RT				17															90
	58	902+20.86	LT				11															113
	59	902+04.04	RT																			88
	60	902+43.24	RT																			138
	62	903+40.41	LT				8															61
	63	903+84.30	RT				37															93
	64	903+99.48	LT																			69
	65	904+67.14	LT																			137
	66	905+54.43	RT				221	22		8		8										85
	67	805+85.62	LT				23															61
	68	805+50.31	LT																			61
	69	805+13.18	RT																			60

FILE NAME = 46419-sh106-09-schedule.dgn  
Default

USER NAME = Connor Bell  
PLOT SCALE = 40.0000' / in.  
PLOT DATE = 3/29/2017

DESIGNED - B.T.M.  
DRAWN - S.D.K.  
CHECKED - R.H.D.  
DATE - 3/6/17

REVISED -  
REVISED -  
REVISED -  
REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES  
GIANT CITY STATE PARK  
SCALE: SHEET 3 OF 4 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PARK ROADS 2017-03	JACKSON	59	8
CONTRACT NO. 46419				
ILLINOIS FED. AID PROJECT				



PAVING SCHEDULE																					
CAMPUSITE	STA.		SUB GRAN MAT B (CU YD)	SUB GRAN MAT B 4 (SQ YD)	AGGR BSE CSE, TY B, 8" (SQ YD)	BIT MATLS (PRIME COAT) (POUND)	BIT MATLS (TACK COAT) (POUND)	LEV BIND HM N50 (TON)	LEV BIND MM N50 (TON)	HMA SURF REM BUTT JT (SQ YD)	HMA SURF CSE, MIX "C", N50 (TON)	WELDED WIRE REINF (SQ YD)	PCC PVT, 6" (SQ YD)	PCC PVT, 8" (SQ YD)	CL D PATCH T3 10 (SQ YD)	CRACK FILLING (POUND)	AGGR SHLDRS, TY B, 6" (SQ YD)	AGG WEDGE SHLD TYPE B (TON)	COMB CC&G TB9.12 (FOOT)	PARK LOT SEAL CT (GALLON)	AGGR SURF CSE, TY B, SPCL 3" (SQ YD)
70	804+97.73	LT																			53
71	804+71.00	RT																			69
72	804+52.27	LT																			42
73	804+19.77	RT																			82
74	803+69.29	RT																			78
75	803+65.04	LT																			70
76	803+20.82	RT																			71
77	803+07.30	LT																			59
78	802+61.44	RT																			58
79	802+60.14	LT																			74
80	802+15.03	RT																			52
81	801+99.22	LT																			105
82	801+54.96	RT																			80
83	801+08.68	RT																			83
84	801+46.74	LT																			64
85	800+54.04	RT																			91
100+11.37	TO	105+70.00			62.1		909		115		113						119				
105+70.00	TO	106+14.59					141		20		18										
200+07.70	TO	204+64.64			12.7		384		52		48						106				
204+52.00					6.4																
300+12.17	TO	306+51.18			67.8		593		81		74						206				
306+37.00					6																
400+11.09	TO	409+95.83			39.1		809		103		94						403				
400+87.00					3																
409+10.00					5																
500+04.57	TO	508+56.54			78.8		812		111		101						302				
600+08.18	TO	602+71.71			50.2		250		34		31						87				
700+23.72	TO	703+00.00			12.2		251		34		31										
703+00.00	TO	709+00.00			4.1		450		62		56										
709+00.00	TO	714+54.08					450		63		57										
706+56.00					4																
711+15.00	TO	712+94.00			250	562	56		23		21										
711+68.91	18.66' LT	712+41.80	60.0' LT														43				
713+65.00	TO	710+60.00			515	1,160	116		47		43										
800+09.47	TO	803+25.00			38		307		42		38										
803+25.00	TO	808+57.59			66		551		76		69										
800+19.50					7																
900+24.49	TO	905+44.79			35.9		497		68		62						260				
905+36.00					6																
1000+18.14	TO	1000+87.64					93		13		12						18				
1100+13.10	TO	1100+97.32			229	515	52		21		19						42				
1100+97.32	TO	1101+79.32		155								128	128				28				
1101+02.32	TO	1101+15.89	LT																45		
1101+32.72	TO	1101+39.37	LT																31		
1101+99.50	TO	1102+20.82		40								32		32							
1101+79.32	TO	1102+71.48			249	561	56		23		21						38				
1200+90.00	TO	1201+05.00				80	8		4	33	3						7				
1201+05.00	TO	1201+25.00					31		5		4						9				
1201+25.00	TO	1201+42.00		133		86	9		4		3				39		8				
1201+42.00	TO	1206+65.00					786		108		98						232				
1206+65.00	TO	1206+80.00				77	8		4	33	3						7				
PARKING LOT BY BATH HOUSE							478	48	23		21										
HOST SITE					107	815	82		33		30							6			117
LODGE PARKING LOT																	200				1810
VISITOR CENTER PARKING LOT																200					1073
ENTIRE PROJECT								20													
			133	195	2,088	11,376	8,446	20	1,431	66	1,332	160	128	32	39	400	1,915	77	76	2,883	4,912

FILE NAME = 46419-sh106-09-schedule.dgn  
Default

USER NAME = Connor Bell  
PLOT SCALE = 40.0000' / in.  
PLOT DATE = 3/29/2017

DESIGNED - B.T.M.  
DRAWN - S.D.K.  
CHECKED - R.H.D.  
DATE - 3/6/17

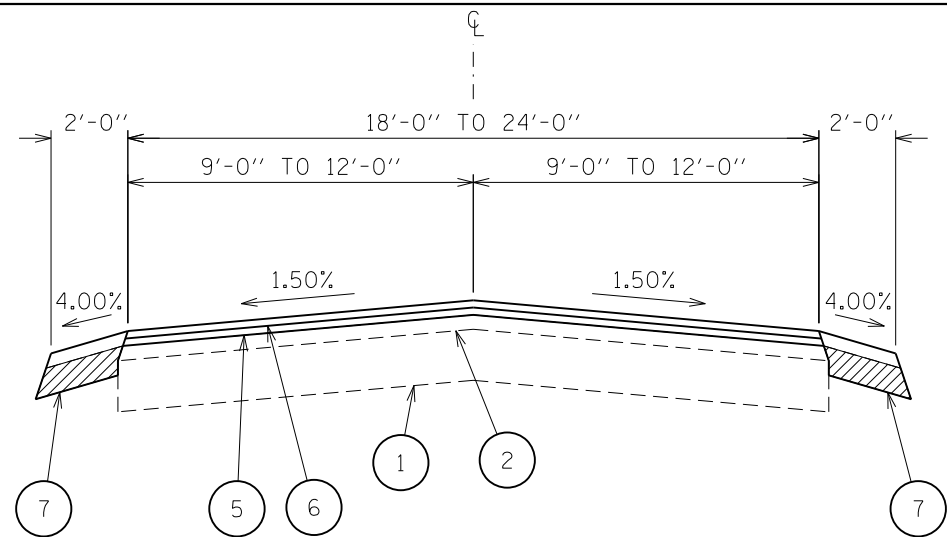
REVISED -  
REVISED -  
REVISED -  
REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

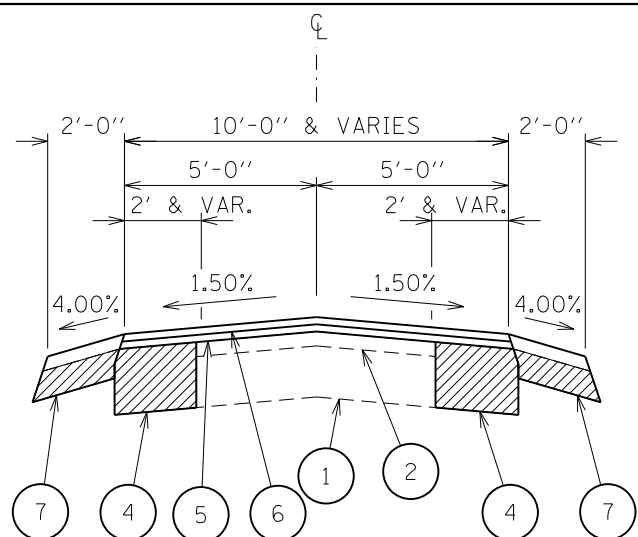
SCHEDULE OF QUANTITIES  
GIANT CITY STATE PARK

SCALE: SHEET 4 OF 4 SHEETS STA. TO STA.

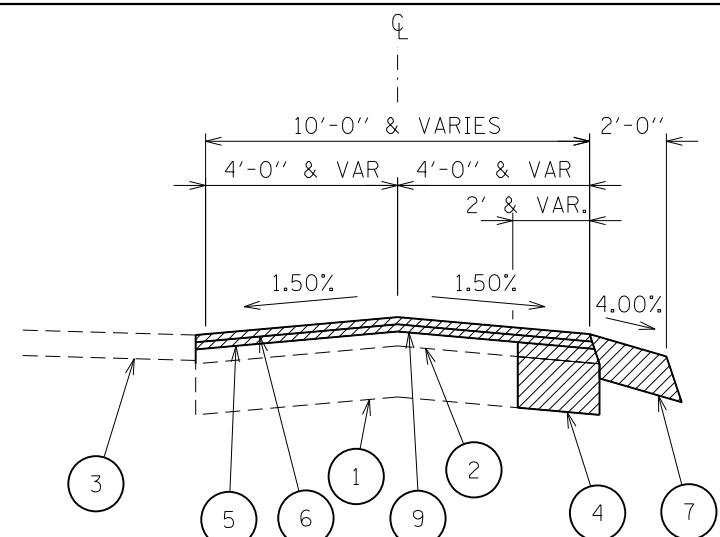
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PARK ROADS 2017-03	JACKSON	59	9
			CONTRACT NO. 46419	
ILLINOIS FED. AID PROJECT				



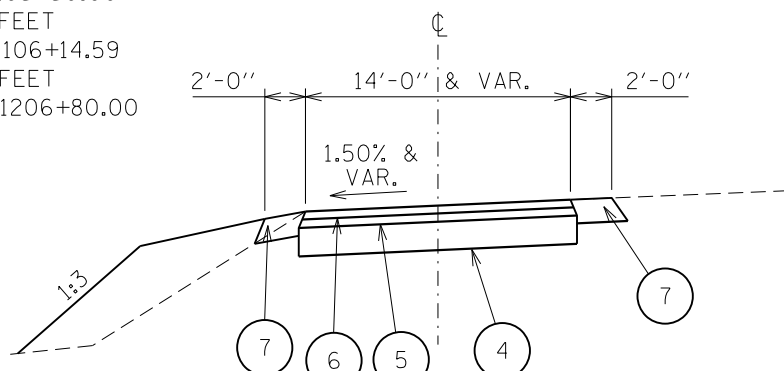
ROADWAY WIDTH 18 FEET  
 STA. 100+11.37 TO STA. 105+50.00  
 ROADWAY WIDTH 24 FEET  
 STA. 105+50.00 TO STA. 106+14.59  
 ROADWAY WIDTH 20 FEET  
 STA. 1200+90.00 TO STA. 1206+80.00



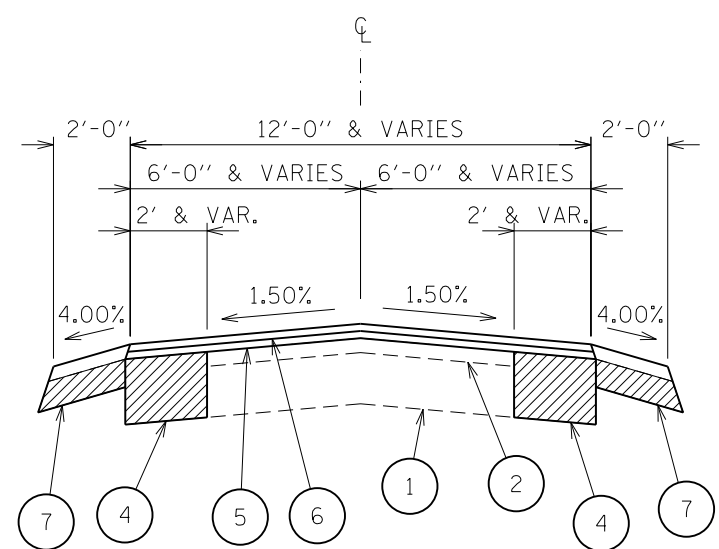
ROADWAY WIDTH 10 FEET  
 STA. 400+11.09 TO STA. 409+95.83  
 STA. 700+23.72 TO STA. 714+54.08



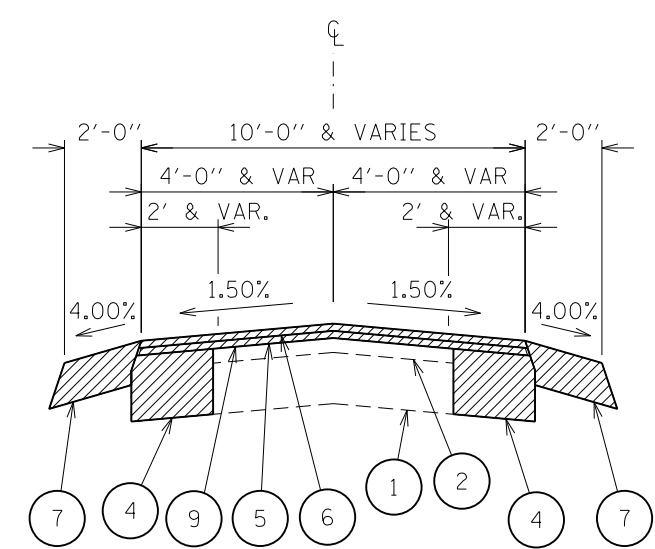
ROADWAY WIDTH 8-12 FEET  
 STA. 201+14.61 TO STA. 202+59.60



DUMP STATION  
 STA. 1100+13.10 TO STA. 1100+97.32  
 STA. 1101+79.32 TO STA. 1102+71.48



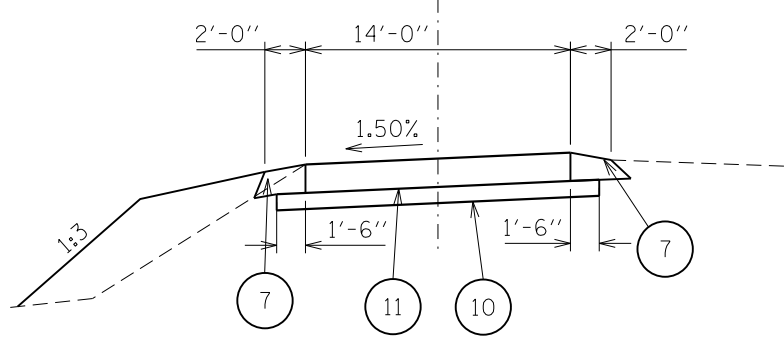
ROADWAY WIDTH 8-12 FEET  
 STA. 300+12.17 TO STA. 306+51.18  
 STA. 500+04.57 TO STA. 508+56.54  
 STA. 600+08.18 TO STA. 602+71.71  
 STA. 900+24.49 TO STA. 905+44.79  
 FROM 9' TO 13'  
 STA. 800+09.47 TO STA. 808+57.79  
 FROM 15' TO 18'  
 STA. 1000+00.00 TO STA. 1000+88.00



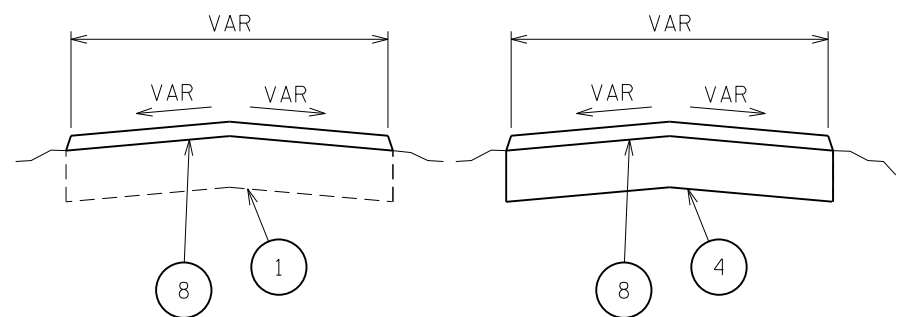
FROM 8' TO 14'  
 STA. 200+07.70 TO STA. 201+14.61  
 STA. 202+59.60 TO STA. 204+64.64

**LEGEND:**

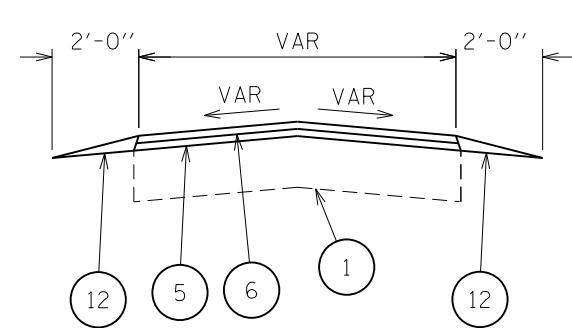
- 1 EXIST AGGR BASE COURSE
- 2 EXIST BIT SURFACE
- 3 EXIST SIDEWALK
- 4 35102000 AGGREGATE BASE COURSE, TYPE B 8"
- 5 40600625 LEVELING BINDER (MACHINE METHOD), N50, 1 1/2"
- 6 40603310 HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, 1 1/2"
- 7 48100500 AGGREGATE SHOULDERS, TYPE A, 6"
- 8 X4020900 AGGREGATE SURFACE COURSE, TYPE A, SPECIAL, 3"
- 9 X2020410 EARTH EXCAVATION (SPCL) (REMOVE TOP 3" OF AGGR SURFACE)
- 10 31101200 SUBBASE GRANULAR MATERIAL, TYPE B, 4"
- 11 42000100 PORTLAND CEMENT CONCRETE PAVEMENT, 6"
- 12 48102100 AGGREGATE WEDGE SHOULDER TYPE B



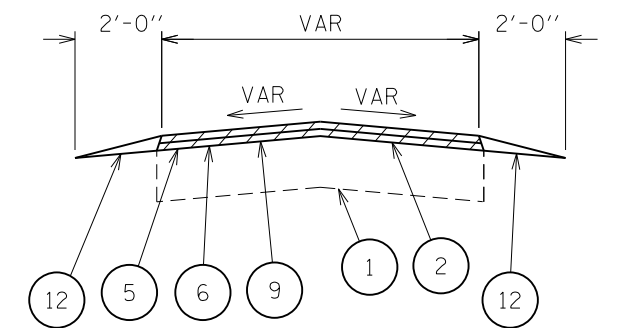
DUMP STATION  
 STA. 1100+97.32 TO STA. 1101+79.32



AGGREGATE CAMPSITE      AGGREGATE CAMPSITE EXTENSION



HMA CAMPSITE



ADA CAMPSITE

FILE NAME = 46419-sh110-tyr.dgn  
 Default

USER NAME = Connor Bell  
 PLOT SCALE = 5.0000' / in.  
 PLOT DATE = 3/29/2017

DESIGNED - S.D.K.  
 DRAWN - B.T.M.  
 CHECKED - R.H.D.  
 DATE - 3/6/17

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS  
 GIANT CITY STATE PARK**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PARK ROADS 2017-03	JACKSON	59	10
			CONTRACT NO. 46419	
ILLINOIS FED. AID PROJECT				

JOB NO. 250-141-F VASCONCELLES ENGINEERING CORP. DESIGN FIRM REGISTRATION NUMBER 184-002107



PROP CURVE 1  
 P.I. STA. = 104+14.49  
 $\Delta = 19^\circ 17' 32''$   
 $D = 4^\circ 46' 29''$   
 $R = 1,200.00'$   
 $T = 203.96'$   
 $L = 404.06'$   
 $E = 17.21'$   
 $N = 343,200.76$   
 $E = 2,587,176.26$

PROP CURVE 2  
 P.I. STA. = 201+08.54  
 $\Delta = 57^\circ 53' 10''$   
 $D = 63^\circ 47' 11''$   
 $R = 90.00'$   
 $T = 49.66'$   
 $L = 90.75'$   
 $E = 12.79'$   
 $N = 343,421.64$   
 $E = 2,586,161.48$

PROP CURVE 3  
 P.I. STA. = 202+11.23  
 $\Delta = 6^\circ 16' 52''$   
 $D = 1^\circ 54' 36''$   
 $R = 3,000.00'$   
 $T = 164.60'$   
 $L = 328.87'$   
 $E = 4.51'$   
 $N = 344,432.38$   
 $E = 2,583,555.30$

PROP CURVE 6  
 P.I. STA. = 401+06.00  
 $\Delta = 38^\circ 07' 40''$   
 $D = 38^\circ 11' 47''$   
 $R = 150.00'$   
 $T = 44.61'$   
 $L = 86.73'$   
 $E = 6.49'$   
 $N = 343,475.27$   
 $E = 2,585,950.26$

PROP CURVE 9  
 P.I. STA. = 407+00.02  
 $\Delta = 38^\circ 24' 32''$   
 $D = 57^\circ 17' 33''$   
 $R = 100.00'$   
 $T = 34.83'$   
 $L = 67.04'$   
 $E = 5.89'$   
 $N = 343,410.35$   
 $E = 2,583,724.06$

PROP CURVE 12  
 P.I. STA. = 507+62.22  
 $\Delta = 15^\circ 13' 56''$   
 $D = 11^\circ 27' 32''$   
 $R = 500.00'$   
 $T = 506.24'$   
 $L = 132.93'$   
 $E = 4.45'$   
 $N = 342,909.68$   
 $E = 2,586,201.01$

PROP CURVE 4  
 P.I. STA. = 301+31.92  
 $\Delta = 78^\circ 28' 10''$   
 $D = 95^\circ 29' 47''$   
 $R = 60.00'$   
 $T = 49.00'$   
 $L = 82.17'$   
 $E = 17.43'$   
 $N = 343,293.02$   
 $E = 2,586,060.69$

PROP CURVE 7  
 P.I. STA. = 403+41.52  
 $\Delta = 28^\circ 12' 38''$   
 $D = 22^\circ 28' 36''$   
 $R = 250.00'$   
 $T = 62.82'$   
 $L = 125.51'$   
 $E = 7.77'$   
 $N = 343,278.90$   
 $E = 2,585,579.48$

PROP CURVE 10  
 P.I. STA. = 408+84.06  
 $\Delta = 6^\circ 7' 40''$   
 $D = 11^\circ 27' 29''$   
 $R = 500.00'$   
 $T = 500.00'$   
 $L = 53.48'$   
 $E = 0.72'$   
 $N = 342,798.17$   
 $E = 2,585,753.58$

PROP CURVE 13  
 P.I. STA. = 600+73.30  
 $\Delta = 16^\circ 58' 33''$   
 $D = 38^\circ 11' 58''$   
 $R = 150.00'$   
 $T = 22.39'$   
 $L = 44.44'$   
 $E = 1.66'$   
 $N = 343,178.67$   
 $E = 2,585,856.50$

PROP CURVE 5  
 P.I. STA. = 305+69.56  
 $\Delta = 10^\circ 28' 14''$   
 $D = 5^\circ 43' 46''$   
 $R = 1,000.00'$   
 $T = 91.63'$   
 $L = 182.75'$   
 $E = 4.19'$   
 $N = 343,849.61$   
 $E = 2,585,266.87$

PROP CURVE 8  
 P.I. STA. = 406+24.97  
 $\Delta = 148^\circ 24' 59''$   
 $D = 90^\circ 56' 49''$   
 $R = 63.00'$   
 $T = 222.76'$   
 $L = 163.19'$   
 $E = 168.50'$   
 $N = 343,580.21$   
 $E = 2,585,432.19$

PROP CURVE 11  
 P.I. STA. = 508+40.19  
 $\Delta = 168^\circ 43' 08''$   
 $D = 114^\circ 35' 44''$   
 $R = 50.00'$   
 $T = 506.24'$   
 $L = 147.23'$   
 $E = 458.71'$   
 $N = 342,990.90$   
 $E = 2,585,616.38$

PROP CURVE 14  
 P.I. STA. = 602+11.57  
 $\Delta = 35^\circ 20' 38''$   
 $D = 26^\circ 02' 37''$   
 $R = 220.00'$   
 $T = 70.09'$   
 $L = 135.71'$   
 $E = 10.90'$   
 $N = 343,114.73$   
 $E = 2,585,884.17$

CONTROL PT #8  
 $N = 342,873.74$   
 $E = 2,586,043.36$   
 ELEV = 654.47

PROP CURVE 15  
 P.I. STA. = 701+30.72  
 $\Delta = 62^\circ 35' 54''$   
 $D = 26^\circ 6' 20''$   
 $R = 215.00'$   
 $T = 130.72'$   
 $L = 239.79'$   
 $E = 36.62'$   
 $N = 342,966.57$   
 $E = 2,585,990.96$

PROP CURVE 18  
 P.I. STA. = 710+29.89  
 $\Delta = 6^\circ 43' 16''$   
 $D = 5^\circ 43' 48''$   
 $R = 1000.00'$   
 $T = 58.72'$   
 $L = 117.30'$   
 $E = 1.72'$   
 $N = 342,634.99$   
 $E = 2,584,444.87$

PROP CURVE 19  
 P.I. STA. = 807+61.06  
 $\Delta = 78^\circ 03' 46''$   
 $D = 71^\circ 37' 02''$   
 $R = 80.00'$   
 $T = 64.86'$   
 $L = 109.00'$   
 $E = 22.99'$   
 $N = 342,632.05$   
 $E = 2,585,526.60$

PROP CURVE 20  
 P.I. STA. = 805+00.97  
 $\Delta = 5^\circ 52' 02''$   
 $D = 1^\circ 43' 36''$   
 $R = 3,000.00'$   
 $T = 153.74'$   
 $L = 307.20'$   
 $E = 3.94'$   
 $N = 341,077.32$   
 $E = 2,588,190.71$

PROP CURVE 21  
 P.I. STA. = 801+99.75  
 $\Delta = 29^\circ 18' 52''$   
 $D = 45^\circ 50' 23''$   
 $R = 125.00'$   
 $T = 32.69'$   
 $L = 63.95'$   
 $E = 4.20'$   
 $N = 343,128.94$   
 $E = 2,585,823.60$

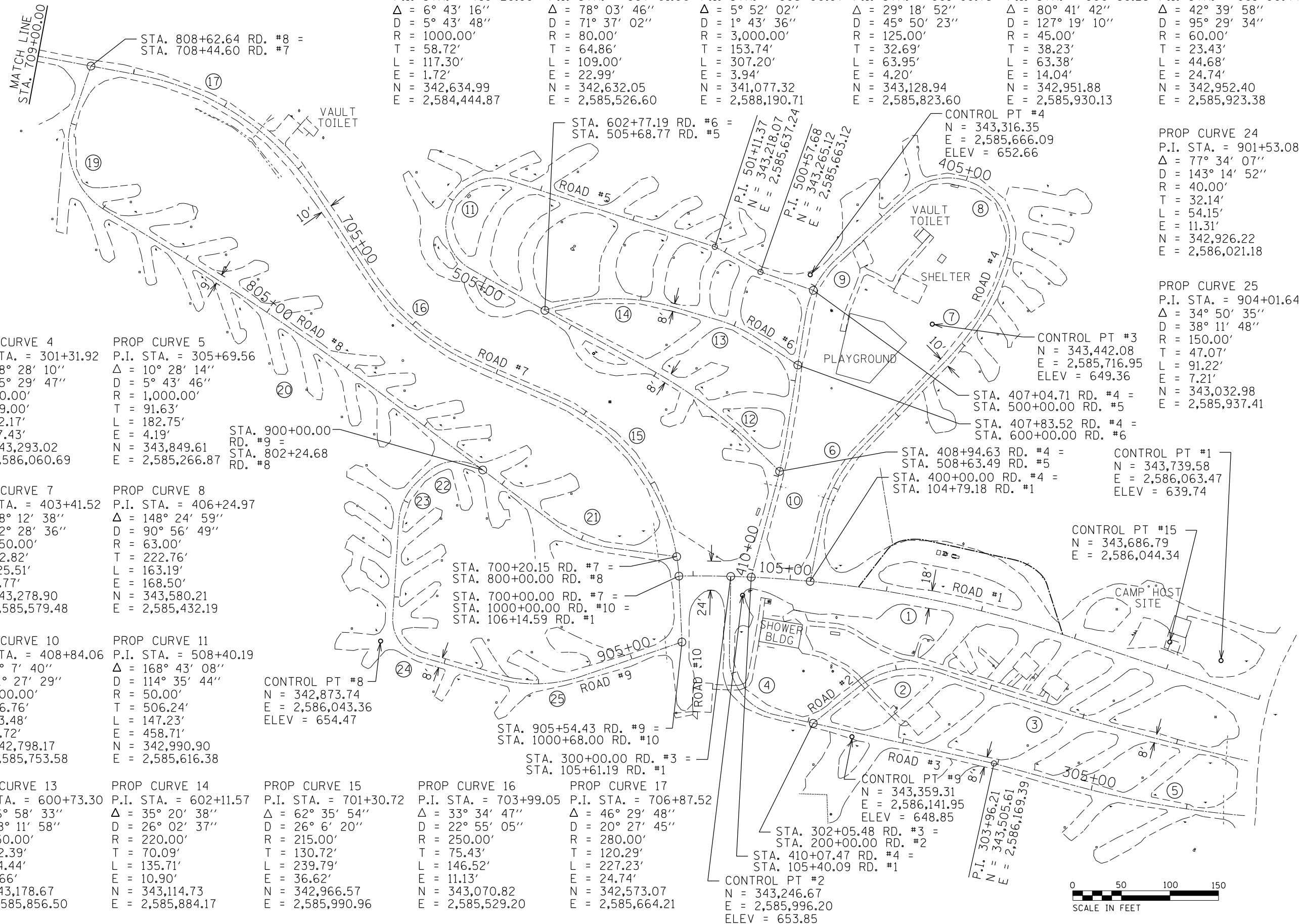
PROP CURVE 22  
 P.I. STA. = 900+38.23  
 $\Delta = 80^\circ 41' 42''$   
 $D = 127^\circ 19' 10''$   
 $R = 45.00'$   
 $T = 38.23'$   
 $L = 63.38'$   
 $E = 14.04'$   
 $N = 342,951.88$   
 $E = 2,585,930.13$

PROP CURVE 23  
 P.I. STA. = 901+00.44  
 $\Delta = 42^\circ 39' 58''$   
 $D = 95^\circ 29' 34''$   
 $R = 60.00'$   
 $T = 23.43'$   
 $L = 44.68'$   
 $E = 24.74'$   
 $N = 342,952.40$   
 $E = 2,585,923.38$

PROP CURVE 24  
 P.I. STA. = 901+53.08  
 $\Delta = 77^\circ 34' 07''$   
 $D = 143^\circ 14' 52''$   
 $R = 40.00'$   
 $T = 32.14'$   
 $L = 54.15'$   
 $E = 11.31'$   
 $N = 342,926.22$   
 $E = 2,586,021.18$

PROP CURVE 25  
 P.I. STA. = 904+01.64  
 $\Delta = 34^\circ 50' 35''$   
 $D = 38^\circ 11' 48''$   
 $R = 150.00'$   
 $T = 47.07'$   
 $L = 91.22'$   
 $E = 7.21'$   
 $N = 343,032.98$   
 $E = 2,585,937.41$

CONTROL PT #15  
 $N = 343,686.79$   
 $E = 2,586,044.34$

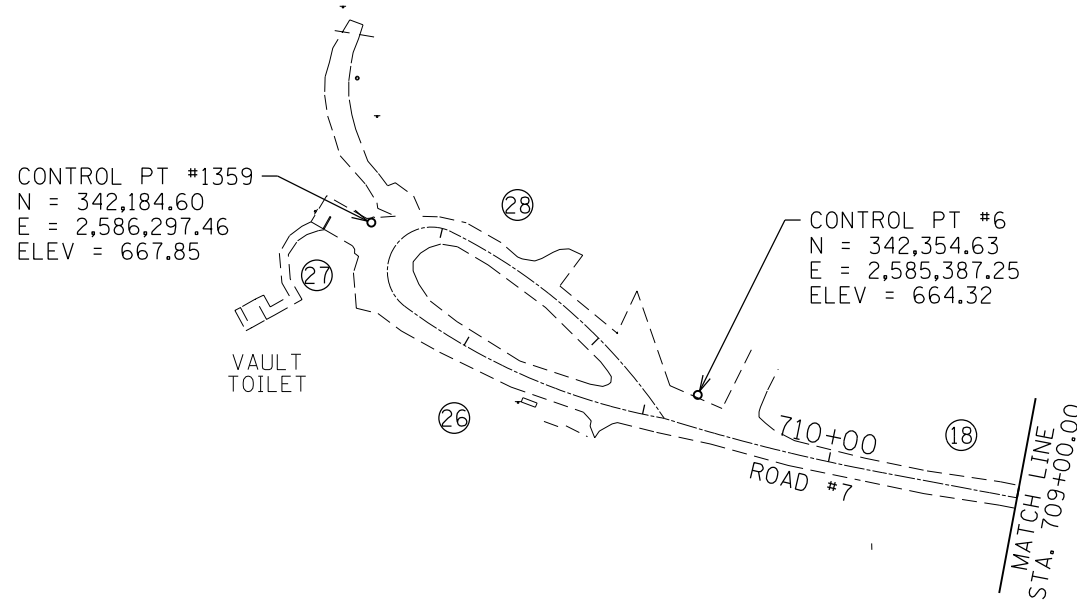


FILE NAME = 46419-sh111-est.dgn	USER NAME = Connor Bell	DESIGNED - S.D.K.	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>EXIST ALIGNMENT GIANT CITY STATE PARK</b>			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default	PLOT SCALE = 100.0000' / in.	DRAWN - B.T.M.	REVISED -		SCALE: 1" = 50'	SHEET 1	OF 2 SHEETS	STA.	TO STA.	JACKSON	59	11
	PLOT DATE = 3/29/2017	CHECKED - R.H.D.	REVISED -							CONTRACT NO. 46419		
		DATE - 3/6/17	REVISED -							ILLINOIS FED. AID PROJECT		

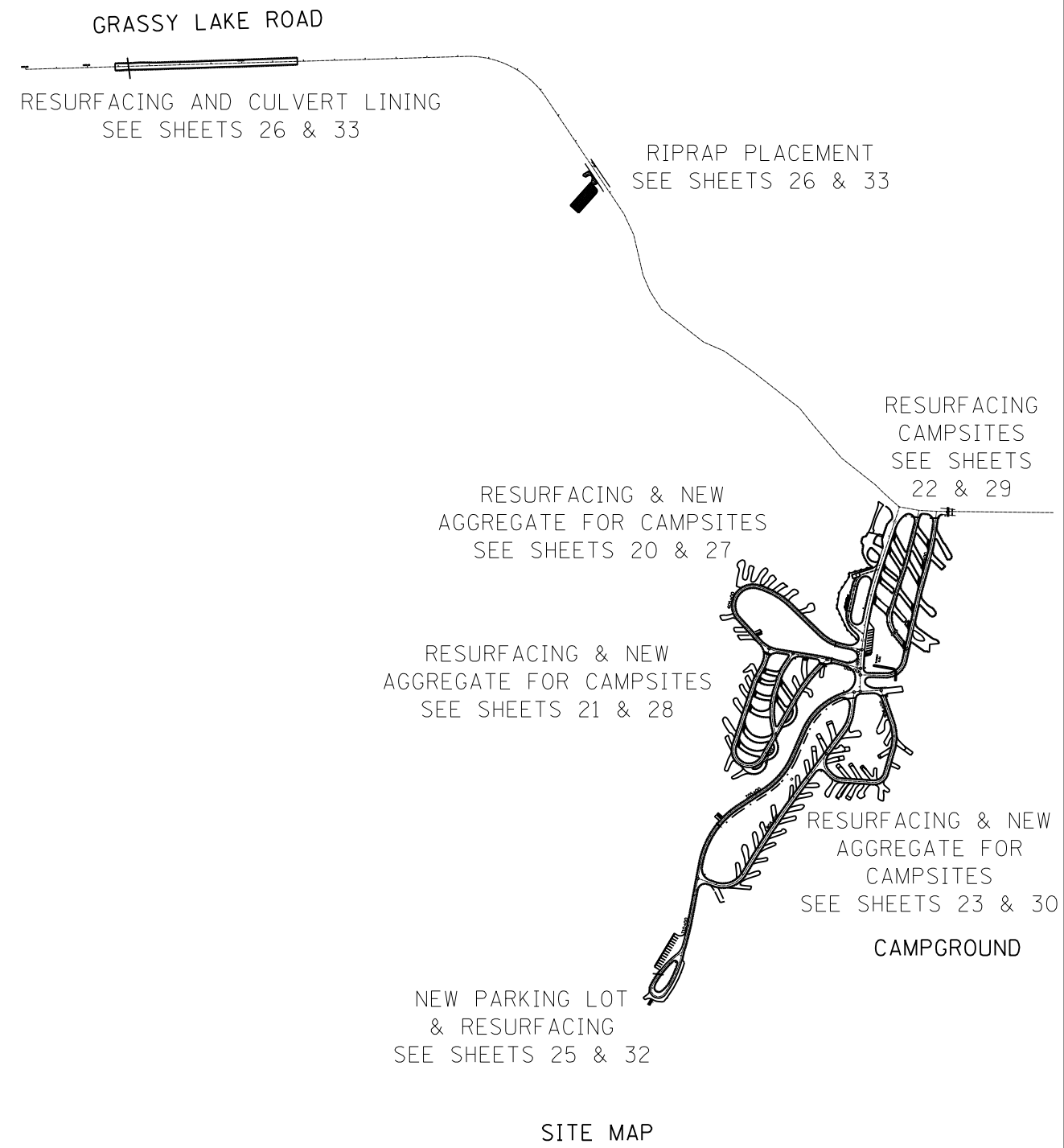
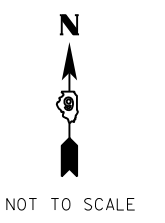
JOB NO. 250-141-F VASCONECLES ENGINEERING CORP. DESIGN FIRM REGISTRATION NUMBER 184-002107



BENCH MARKS



PROP CURVE 18	PROP CURVE 26	PROP CURVE 27	PROP CURVE 28
P.I. STA. = 710+29.89	P.I. STA. = 711+62.20	P.I. STA. = 714+83.29	P.I. STA. = 713+81.33
$\Delta = 6^\circ 43' 16''$	$\Delta = 26^\circ 20' 46''$	$\Delta = 169^\circ 19' 32''$	$\Delta = 29^\circ 38' 51''$
D = 5° 43' 48"	D = 18° 02' 50"	D = 249° 18' 05"	D = 19° 54' 35"
R = 1000.00'	R = 323.56'	R = 22.98'	R = 287.78'
T = 58.72'	T = 75.73'	T = 246.04'	T = 76.16'
L = 117.30'	L = 148.78'	L = 67.92'	L = 148.91'
E = 1.72'	E = 8.74'	E = 224.13'	E = 9.91'
N = 342,634.99	N = 342,394.51	N = 342,215.91	N = 342,098.35
E = 2,584,444.87	E = 2,585,081.05	E = 2,585,322.82	E = 2,585,560.09



SITE MAP

FILE NAME = 46419-sh12-est.dgn	USER NAME = Connor Bell	DESIGNED - S.D.K.	REVISED -
Default	PLOT SCALE = 100.0000' / in.	DRAWN - B.T.M.	REVISED -
	PLOT DATE = 3/29/2017	CHECKED - R.H.D.	REVISED -
		DATE - 3/6/17	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

EXISTING ALIGNMENT		Giant City State Park	
SCALE: 1" = 50'	SHEET 2	OF 2 SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PARK ROADS 2017-03	JACKSON	59	12
CONTRACT NO. 46419				
ILLINOIS FED. AID PROJECT				

JOB NO. 250-141-F VASCONCELLES ENGINEERING CORP. DESIGN FIRM REGISTRATION NUMBER 184-002107

20100110 TREE REM (6 TO  
15 UNITS IN DIAMETER)  
STA. 404+37.50, 84.0' RT 13 UNITS

20100210 TREE REM (OVER  
15 UNITS IN DIAMETER)  
STA. 403+18.50, 8.50' RT, 16  
STA. 404+26.00, 59.0' RT, 23

X2020410 EARTH EXC  
(SPCL), 3" (SHOULDERS)  
STA. 400+11.09 TO  
STA. 409+95.83  
36.5 CU YD

X2020410 EARTH EXC  
(SPCL), 8" (WIDENING)  
STA. 400+11.09 TO  
STA. 409+95.83  
8.7 CU YD

78300100 PAVEMENT MARKING  
REMOVAL  
STA. 406+45.00  
144 SQ FT

X2020410 EARTH  
EXC (SPCL), 3"  
STA. 406+15.41 TO  
STA. 406+61.27  
4.7 CU YD

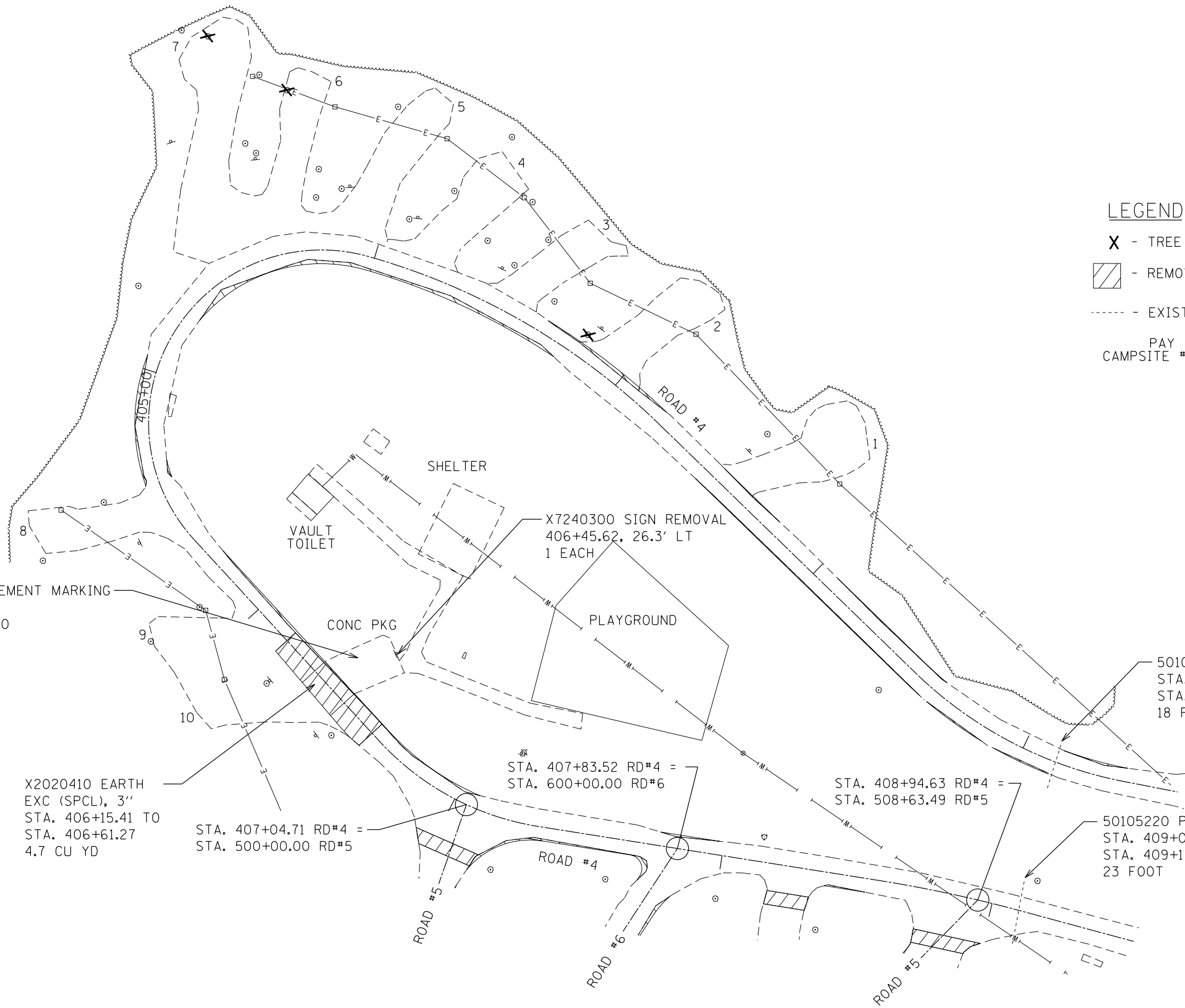
STA. 407+04.71 RD#4 =  
STA. 500+00.00 RD#5

STA. 407+83.52 RD#4 =  
STA. 600+00.00 RD#6

STA. 408+94.63 RD#4 =  
STA. 508+63.49 RD#5

50105220 PIPE CULV REM  
STA. 400+86.45 10.94' LT TO  
STA. 400+87.48 6.52' RT  
18 FOOT

50105220 PIPE CULV REM  
STA. 409+09.24 10.69' LT TO  
STA. 409+11.01 12.38' RT  
23 FOOT



**LEGEND**

- X - TREE REMOVAL
- [Hatched Box] - REMOVAL
- - EXIST CULVERT
- PAY ITEM  
CAMPSITE #/QUANTITY



FILE NAME =  
46419-sh113-remov.dgn  
Default

USER NAME = Connor Bell  
PLOT SCALE = 40.0000' / in.  
PLOT DATE = 3/29/2017

DESIGNED - B.T.M.  
DRAWN - S.D.K.  
CHECKED - R.H.D.  
DATE - 3/6/17

REVISED -  
REVISED -  
REVISED -  
REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**REMOVAL PLAN  
GIANT CITY STATE PARK**

SCALE: 1" = 20' SHEET 1 OF 7 SHEETS STA. 400+36.00 TO STA. 409+54.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PARK ROADS 2017-03	JACKSON	59	13
			CONTRACT NO. 46419	
ILLINOIS FED. AID PROJECT				

JOB NO. 250-141-F VASCCELLES ENGINEERING CORP. DESIGN FIRM REGISTRATION NUMBER 184-002107



20100110 TREE REM (6 TO 15 UNITS IN DIAMETER)  
 STA. 500+96.50, 39.00' RT 12  
 STA. 502+36.50, 8.00' RT 15  
 STA. 504+63.00, 8.50' RT 10

20100210 TREE REM (OVER 15 UNITS IN DIAMETER)  
 STA. 504+58.25, 7.50' RT 18  
 STA. 507+45.00, 10.00' RT 18

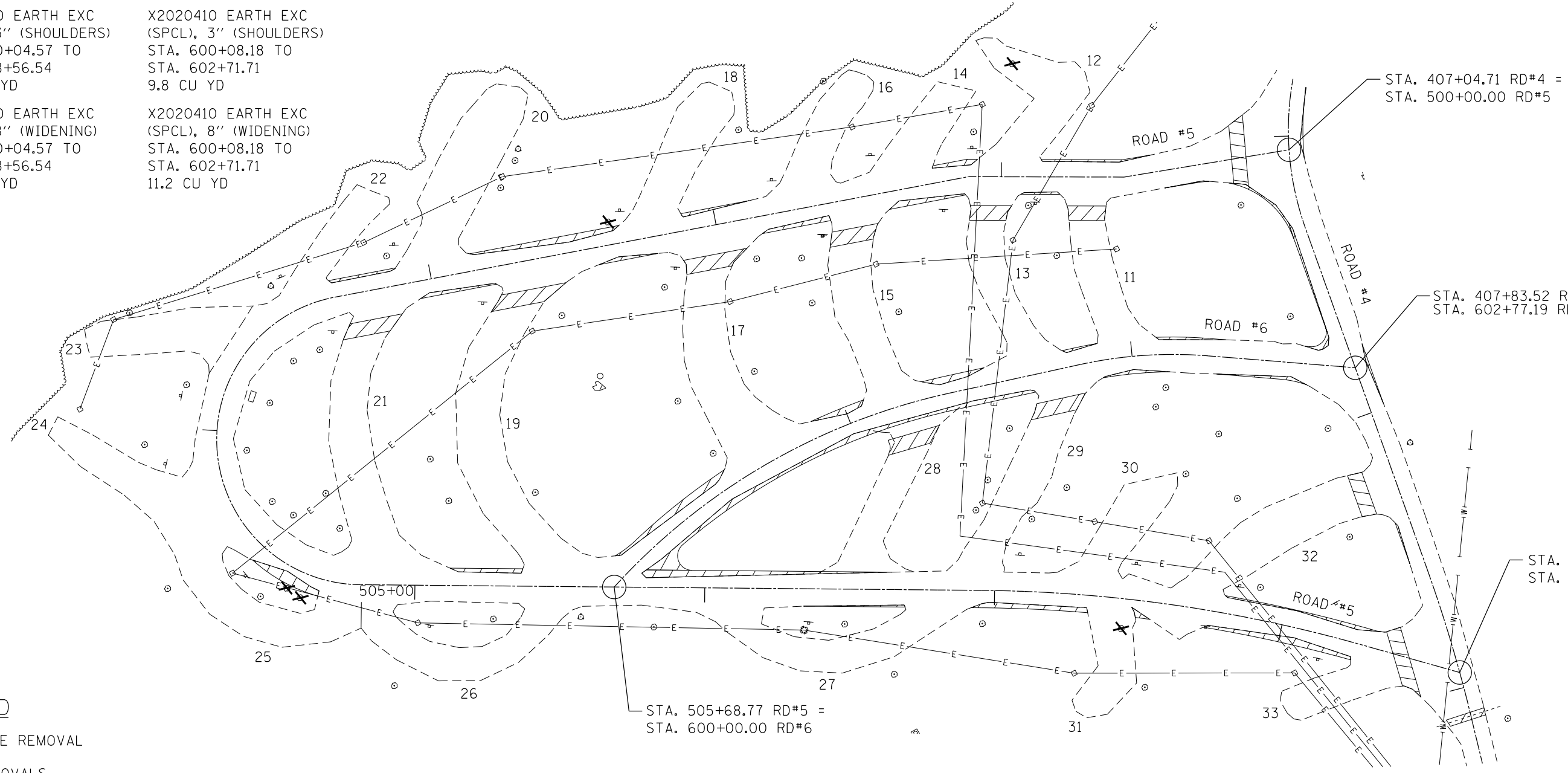
X2020410 EARTH EXC (SPCL), 3" (SHOULDERS)  
 STA. 500+04.57 TO 508+56.54  
 31.6 CU YD

X2020410 EARTH EXC (SPCL), 3" (SHOULDERS)  
 STA. 600+08.18 TO 602+71.71  
 9.8 CU YD

X2020410 EARTH EXC (SPCL), 8" (WIDENING)  
 STA. 500+04.57 TO 508+56.54  
 17.6 CU YD

X2020410 EARTH EXC (SPCL), 8" (WIDENING)  
 STA. 600+08.18 TO 602+71.71  
 11.2 CU YD

X2020410 EARTH EXC (SPCL)  
 11 - 1.5 CU YD  
 13 - 1.6  
 15 - 1.9  
 17 - 2.1  
 19 - 2.5  
 21 - 2.2  
 28 - 2.0  
 29 - 1.8  
 32 - 1.9  
 STA. 500+15.05 TO 500+20.05 - 2.8  
 STA. 508+39.58 TO 508+44.58 - 2.4



**LEGEND**

X - TREE REMOVAL

- REMOVALS

----- - EXIST CULVERT

PAY ITEM  
 CAMPSITE #/QUANTITY

STA. 505+68.77 RD#5 =  
 STA. 600+00.00 RD#6

STA. 407+04.71 RD#4 =  
 STA. 500+00.00 RD#5

STA. 407+83.52 RD#4 =  
 STA. 602+77.19 RD#6

STA. 408+94.63 RD#4 =  
 STA. 508+63.49 RD#5

FILE NAME =  
 46419-sht14-remov.dgn

USER NAME = Connor Bell  
 PLOT SCALE = 40.0000' / in.  
 PLOT DATE = 3/29/2017

DESIGNED - B.T.M.  
 DRAWN - S.D.K.  
 CHECKED - R.H.D.  
 DATE - 3/6/17

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

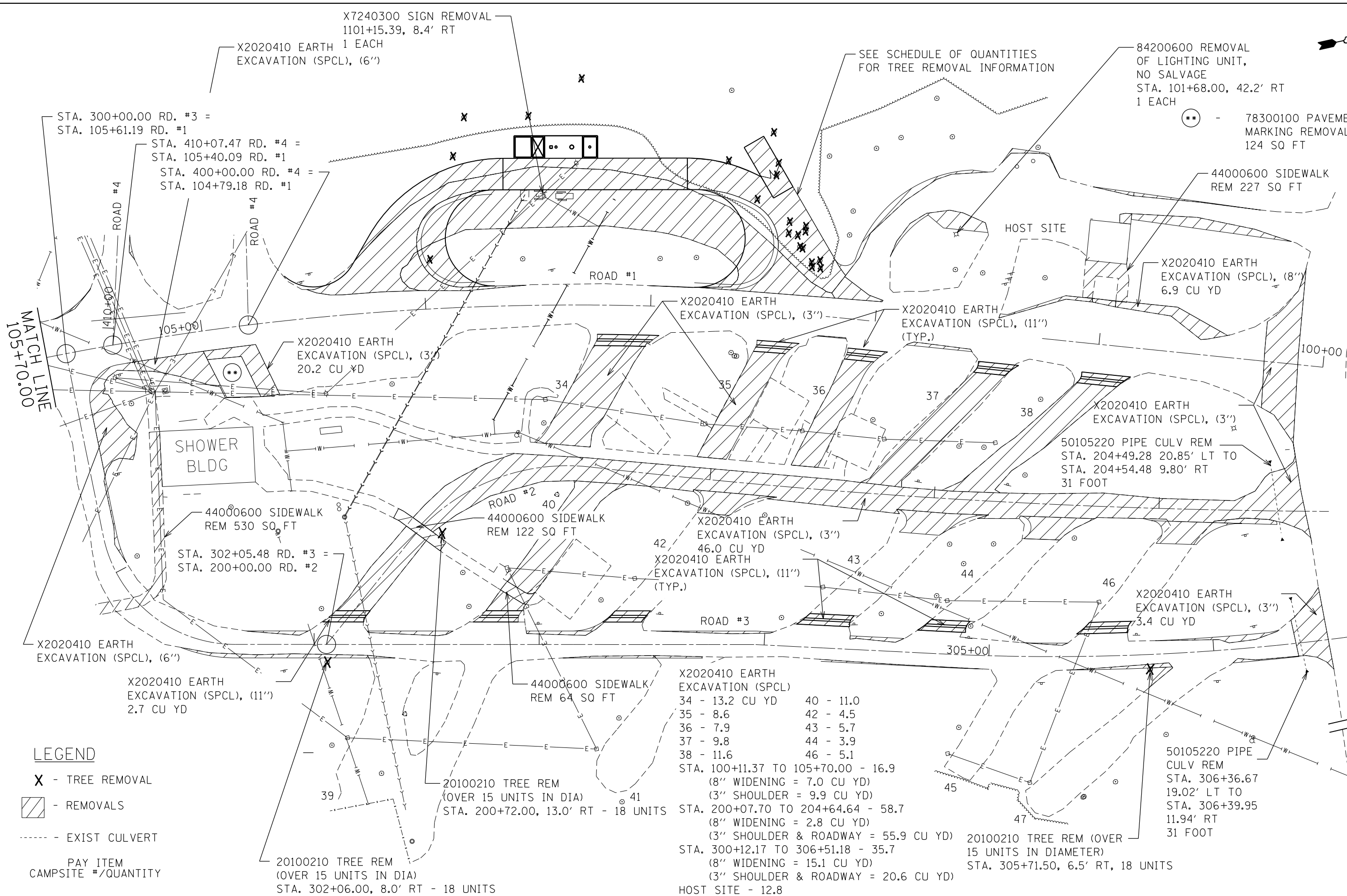
**REMOVAL PLAN  
 GIANT CITY STATE PARK**

SCALE: 1" = 20' SHEET 2 OF 7 SHEETS STA. 500+00.00 TO STA. 508+63.49

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PARK ROADS 2017-03	JACKSON	59	14
			CONTRACT NO. 46419	

ILLINOIS FED. AID PROJECT

JOB NO. 250-141-F VASCONCELLES ENGINEERING CORP. DESIGN FIRM REGISTRATION NUMBER 184-002107



X7240300 SIGN REMOVAL  
1101+15.39, 8.4' RT

X2020410 EARTH 1 EACH  
EXCAVATION (SPCL), (6'')

SEE SCHEDULE OF QUANTITIES  
FOR TREE REMOVAL INFORMATION

84200600 REMOVAL  
OF LIGHTING UNIT,  
NO SALVAGE  
STA. 101+68.00, 42.2' RT  
1 EACH

\*\* - 78300100 PAVEMENT  
MARKING REMOVAL  
124 SQ FT

STA. 300+00.00 RD. #3 =  
STA. 105+61.19 RD. #1

STA. 410+07.47 RD. #4 =  
STA. 105+40.09 RD. #1

STA. 400+00.00 RD. #4 =  
STA. 104+79.18 RD. #1

44000600 SIDEWALK  
REM 227 SQ FT

HOST SITE

X2020410 EARTH  
EXCAVATION (SPCL), (8'')  
6.9 CU YD

X2020410 EARTH  
EXCAVATION (SPCL), (3'')

X2020410 EARTH  
EXCAVATION (SPCL), (11'')  
(TYP.)

MATCH LINE  
105+70.00

X2020410 EARTH  
EXCAVATION (SPCL), (3'')  
20.2 CU YD

X2020410 EARTH  
EXCAVATION (SPCL), (3'')

50105220 PIPE CULV REM  
STA. 204+49.28 20.85' LT TO  
STA. 204+54.48 9.80' RT  
31 FOOT

SHOWER  
BLDG

44000600 SIDEWALK  
REM 530 SQ FT

STA. 302+05.48 RD. #3 =  
STA. 200+00.00 RD. #2

ROAD #2  
44000600 SIDEWALK  
REM 122 SQ FT

X2020410 EARTH  
EXCAVATION (SPCL), (3'')

46.0 CU YD  
X2020410 EARTH  
EXCAVATION (SPCL), (11'')  
(TYP.)

X2020410 EARTH  
EXCAVATION (SPCL), (3'')

X2020410 EARTH  
EXCAVATION (SPCL), (6'')

X2020410 EARTH  
EXCAVATION (SPCL), (11'')

44000600 SIDEWALK  
REM 64 SQ FT

X2020410 EARTH  
EXCAVATION (SPCL)

34 - 13.2 CU YD	40 - 11.0
35 - 8.6	42 - 4.5
36 - 7.9	43 - 5.7
37 - 9.8	44 - 3.9
38 - 11.6	46 - 5.1

STA. 100+11.37 TO 105+70.00 - 16.9  
(8" WIDENING = 7.0 CU YD)  
(3" SHOULDER = 9.9 CU YD)

STA. 200+07.70 TO 204+64.64 - 58.7  
(8" WIDENING = 2.8 CU YD)  
(3" SHOULDER & ROADWAY = 55.9 CU YD)

STA. 300+12.17 TO 306+51.18 - 35.7  
(8" WIDENING = 15.1 CU YD)  
(3" SHOULDER & ROADWAY = 20.6 CU YD)

HOST SITE - 12.8

50105220 PIPE  
CULV REM  
STA. 306+36.67  
19.02' LT TO  
STA. 306+39.95  
11.94' RT  
31 FOOT

20100210 TREE REM (OVER  
15 UNITS IN DIAMETER)  
STA. 305+71.50, 6.5' RT, 18 UNITS

20100210 TREE REM  
(OVER 15 UNITS IN DIA)  
STA. 302+06.00, 8.0' RT - 18 UNITS

**LEGEND**

X - TREE REMOVAL

▨ - REMOVALS

----- - EXIST CULVERT

PAY ITEM  
CAMPSITE #/QUANTITY

FILE NAME =  
46419-sh15-remov.dgn

USER NAME = Connor Bell

DESIGNED - B.T.M.  
DRAWN - S.D.K.  
CHECKED - R.H.D.  
DATE - 3/6/17

REVISED -  
REVISED -  
REVISED -  
REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**REMOVAL PLAN  
GIANT CITY STATE PARK**

SCALE: 1" = 20' SHEET 3 OF 7 SHEETS STA. 100+00.00 TO STA. 105+73.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PARK ROADS 2017-03	JACKSON	59	15
CONTRACT NO. 46419			ILLINOIS FED. AID PROJECT	

JOB NO. 250-141-F VASCCELLES ENGINEERING CORP. DESIGN FIRM REGISTRATION NUMBER 184-002107

X2020410 EARTH EXC (SPCL), 3" (SHOULDERS) STA. 700+23.72 TO STA. 703+00.00 10.4 CU YD

X2020410 EARTH EXC (SPCL), 3" (SHOULDERS) STA. 800+09.47 TO STA. 803+25.00 10.4 CU YD

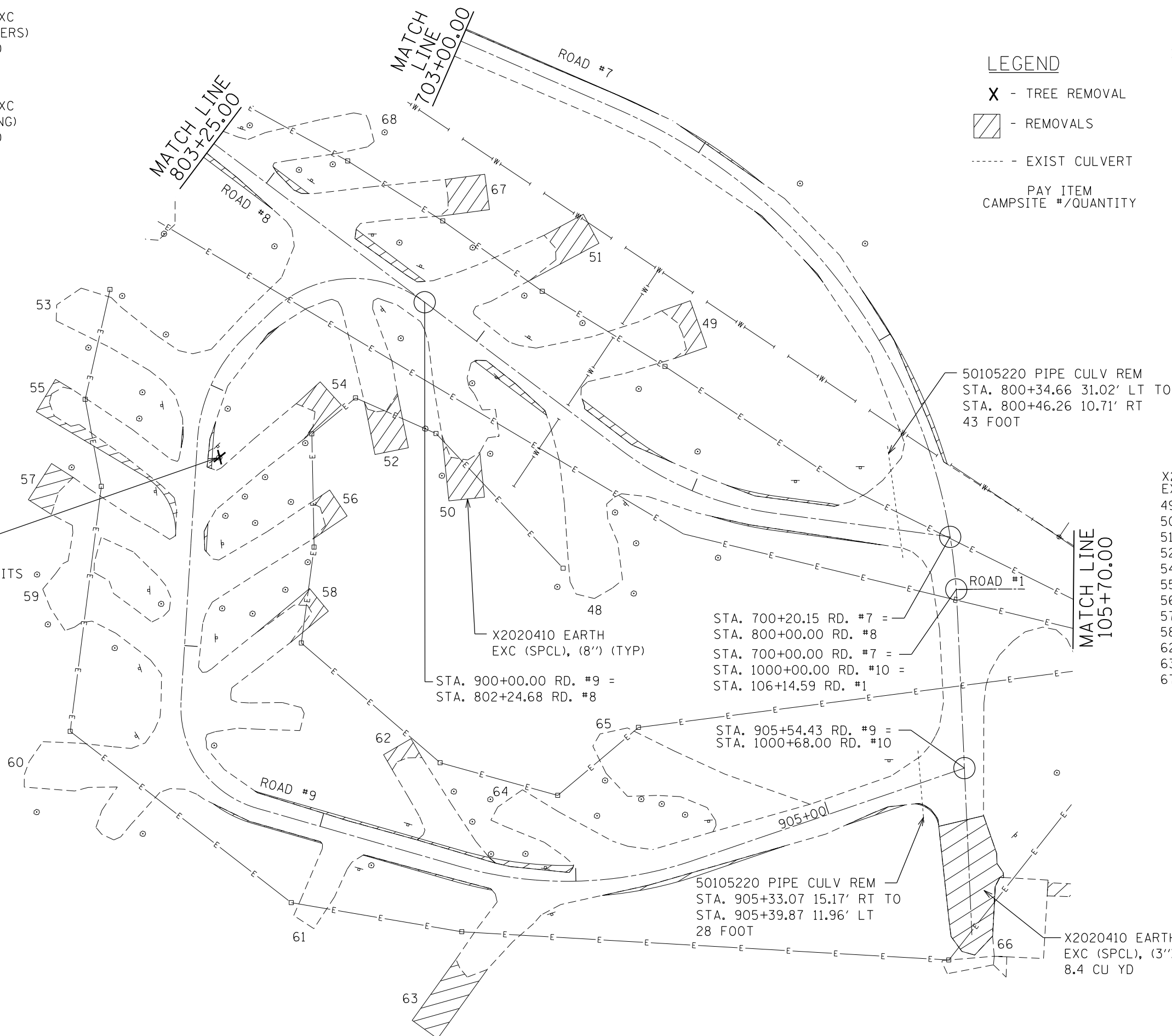
X2020410 EARTH EXC (SPCL), 8" (WIDENING) STA. 700+23.72 TO STA. 703+00.00 2.7 CU YD

X2020410 EARTH EXC (SPCL), 8" (WIDENING) STA. 800+09.47 TO STA. 803+25.00 8.5 CU YD

X2020410 EARTH EXC (SPCL), 3" (SHOULDERS) STA. 900+24.49 TO STA. 905+44.79 21.7 CU YD

X2020410 EARTH EXC (SPCL), 8" (WIDENING) STA. 900+24.49 TO STA. 905+44.79 8.0 CU YD

20100110 TREE REM (6 TO 15 UNITS IN DIAMETER) STA. 901+28.00, 9.0' LT - 9 UNITS



**LEGEND**

X - TREE REMOVAL

[Hatched Box] - REMOVALS

--- - EXIST CULVERT

PAY ITEM CAMPSITE #/QUANTITY



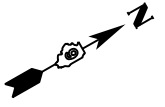
X2020410 EARTH EXC (SPCL), (8")

49	-	4	CU YD
50	-	6	
51	-	5	
52	-	6	
54	-	3	
55	-	5	
56	-	2	
57	-	4	
58	-	3	
62	-	2	
63	-	8	
67	-	8	

FILE NAME = 46419-sht16-remov.dgn	USER NAME = Connor Bell	DESIGNED - B.T.M.	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>REMOVAL PLAN GIANT CITY STATE PARK</b>			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Default	PLOT SCALE = 40.0000' / in.	CHECKED - R.H.D.	REVISED -		SCALE: 1" = 20'	SHEET 4	OF 7 SHEETS	STATIONING: STA. 700+00.00 TO STA. 703+00.00	PARK ROADS 2017-03	JACKSON	59	16	
	PLOT DATE = 3/29/2017	DATE - 3/6/17	REVISED -										

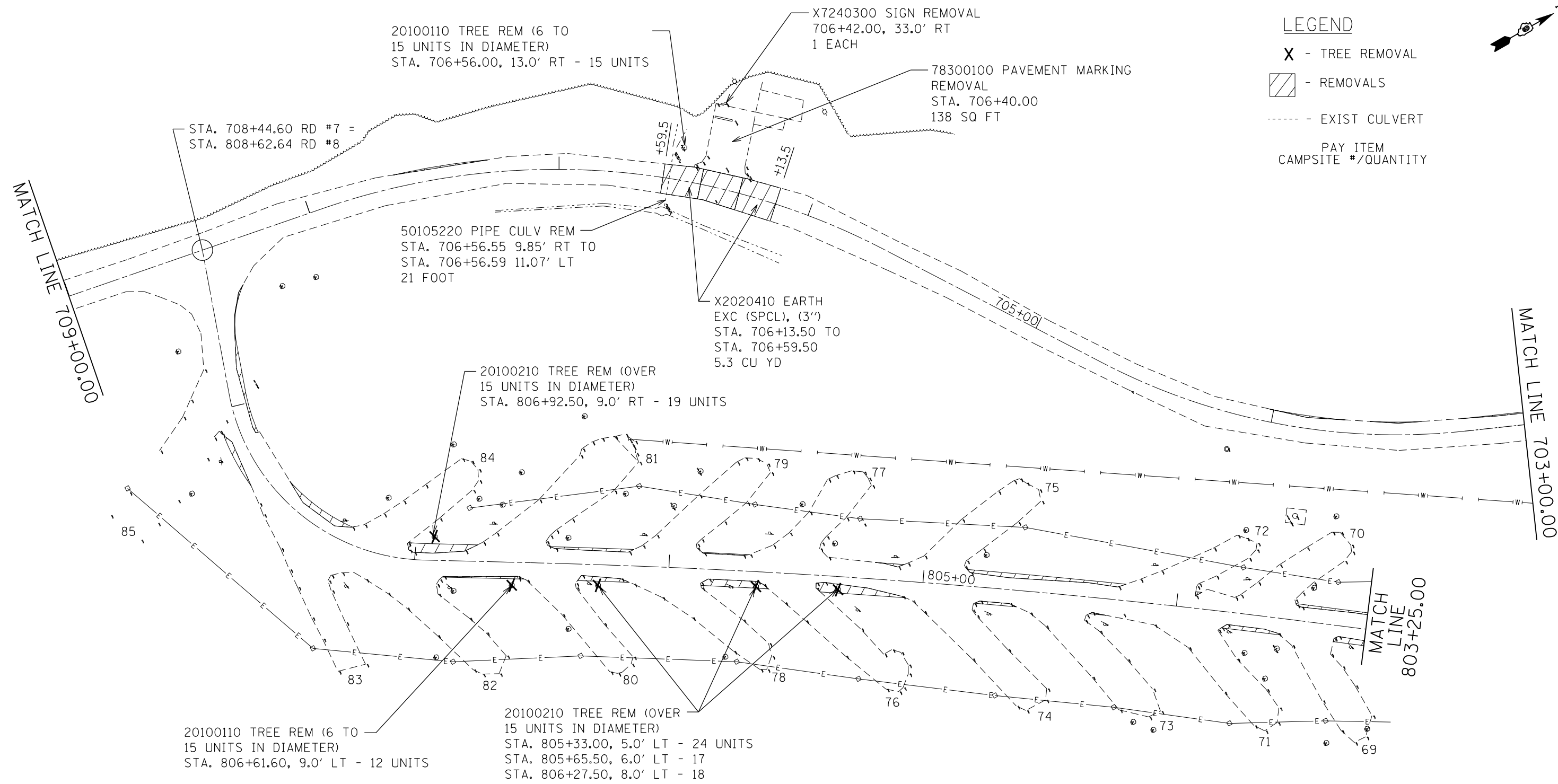
JOB NO. 250-141-F VASCONCELLES ENGINEERING CORP. DESIGN FIRM REGISTRATION NUMBER 184-002107





**LEGEND**

- X - TREE REMOVAL
- [Hatched Box] - REMOVALS
- - EXIST CULVERT
- PAY ITEM  
CAMPSITE #/QUANTITY



X2020410 EARTH EXC (SPCL), 3'' (SHOULDERS) STA. 703+00.00 TO STA. 709+00.00 20.8 CU YD

X2020410 EARTH EXC (SPCL), 3'' (SHOULDERS) STA. 803+25.00 TO STA. 808+57.59 20.3 CU YD

X2020410 EARTH EXC (SPCL), 8'' (WIDENING) STA. 703+00.00 TO STA. 709+00.00 0.9 CU YD

X2020410 EARTH EXC (SPCL), 8'' (WIDENING) STA. 803+25.00 TO STA. 808+57.59 14.7 CU YD

FILE NAME = 46419-sht17-remov.dgn	USER NAME = Connor Bell	DESIGNED - B.T.M.	REVISED -
Default	PLOT SCALE = 40.0000' / in.	DRAWN - S.D.K.	REVISED -
	PLOT DATE = 3/29/2017	CHECKED - R.H.D.	REVISED -
		DATE - 3/6/17	REVISED -

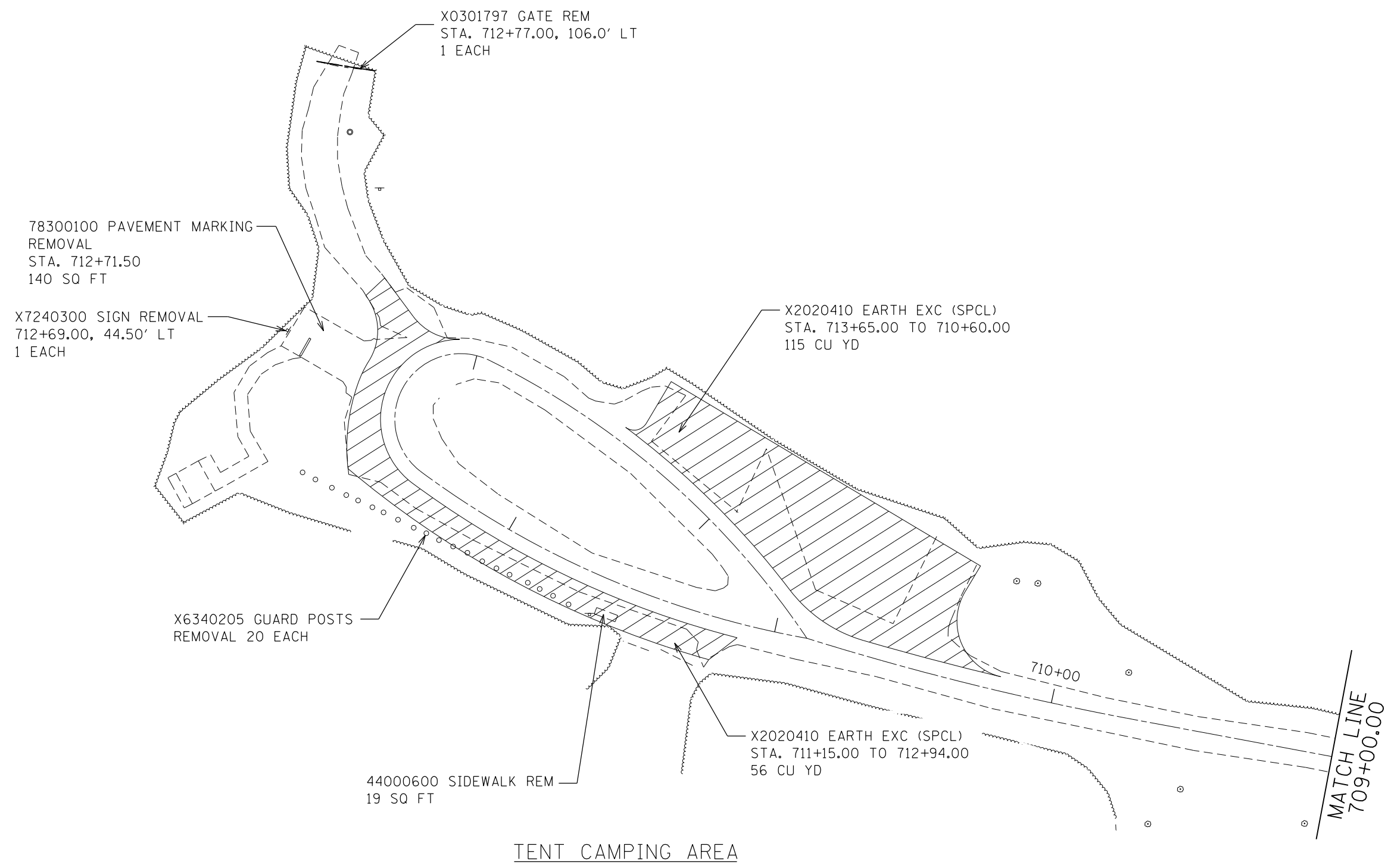
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**REMOVAL PLAN  
GIANT CITY STATE PARK**

SCALE: 1" = 20'    SHEET 5 OF 7 SHEETS    STA. 703+00.00 TO STA. 709+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PARK ROADS 2017-03	JACKSON	59	17
			CONTRACT NO. 46419	
ILLINOIS FED. AID PROJECT				

JOB NO. 250-141-F VASCONCELLES ENGINEERING CORP. DESIGN FIRM REGISTRATION NUMBER 184-002107



- LEGEND**
- X - TREE REMOVAL
  - REMOVALS
  - - EXIST CULVERT
  - PAY ITEM  
CAMPSITE #/QUANTITY

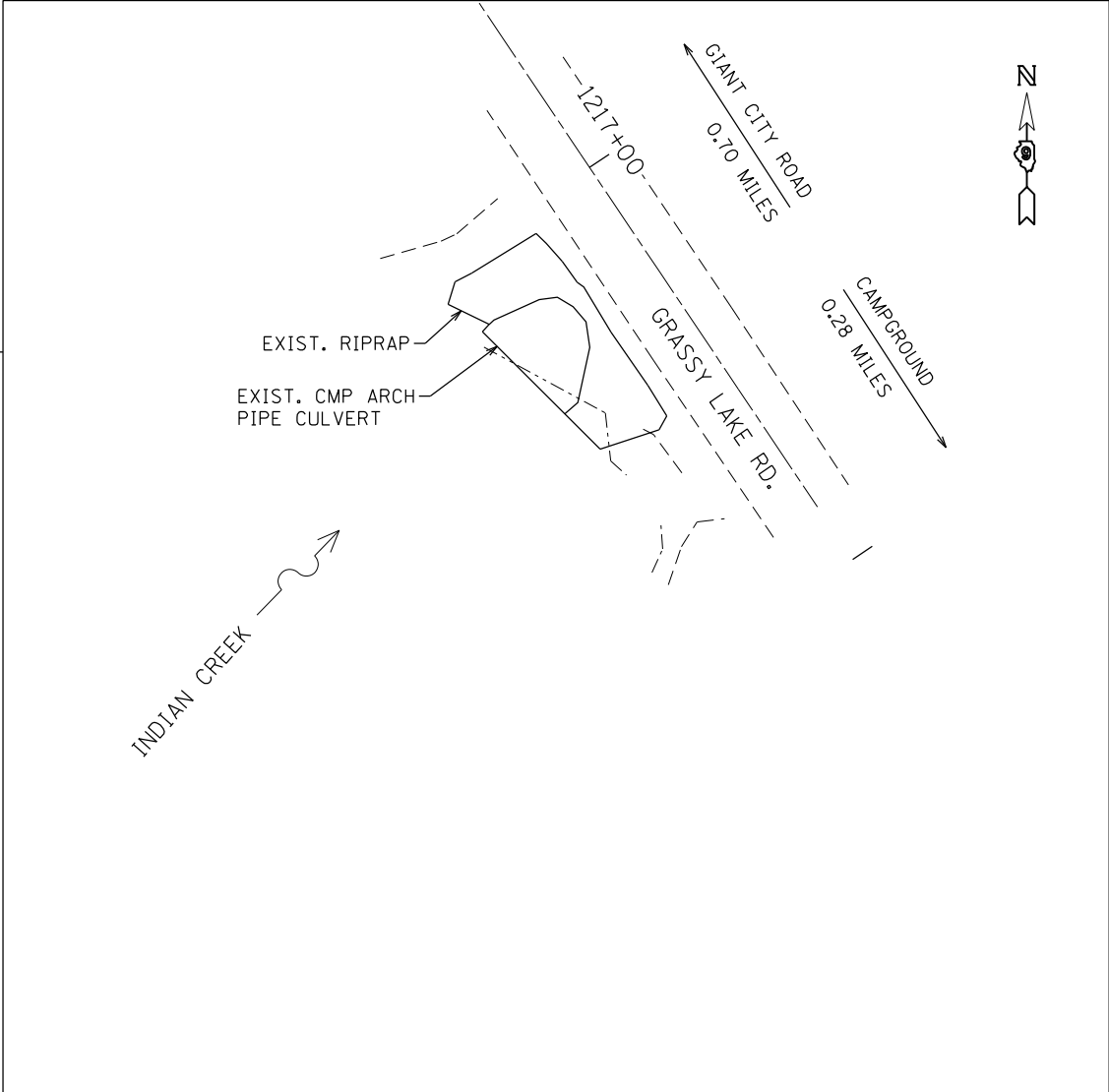
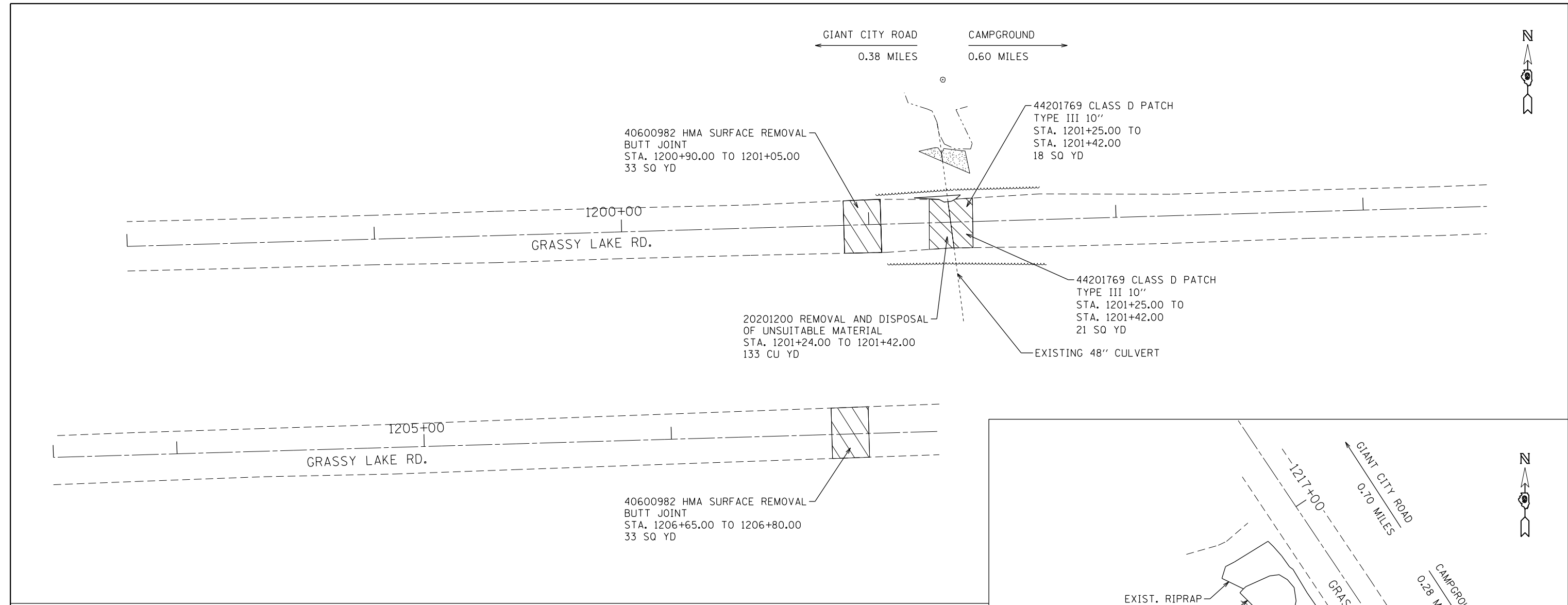
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Default	PLOT SCALE = 40.0000' / in.	DRAWN - S.D.K.	REVISED -
	PLOT DATE = 3/29/2017	CHECKED - R.H.D.	REVISED -
		DATE - 3/6/17	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>REMOVAL PLAN GIANT CITY STATE PARK</b>			
SCALE: 1" = 20'	SHEET 6	OF 7 SHEETS	STA. 709+00.00 TO STA. 714+54.08

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PARK ROADS 2017-03	JACKSON	59	18
CONTRACT NO. 46419			ILLINOIS FED. AID PROJECT	

JOB NO. 250-141-E VASCONCELLES ENGINEERING CORP. DESIGN FIRM REGISTRATION NUMBER 184-002107



**LEGEND**

- X - TREE REMOVAL
- REMOVALS
- - EXIST CULVERT
- PAY ITEM  
CAMPSITE #/QUANTITY

FILE NAME = 46419-sht19-remov.dgn	USER NAME = Connor Bell	DESIGNED - B.T.M.	REVISED -
Default	PLOT SCALE = 40.0000' / in.	DRAWN - S.D.K.	REVISED -
	PLOT DATE = 3/29/2017	CHECKED - R.H.D.	REVISED -
		DATE - 3/6/17	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**REMOVAL PLAN  
GIANT CITY STATE PARK**

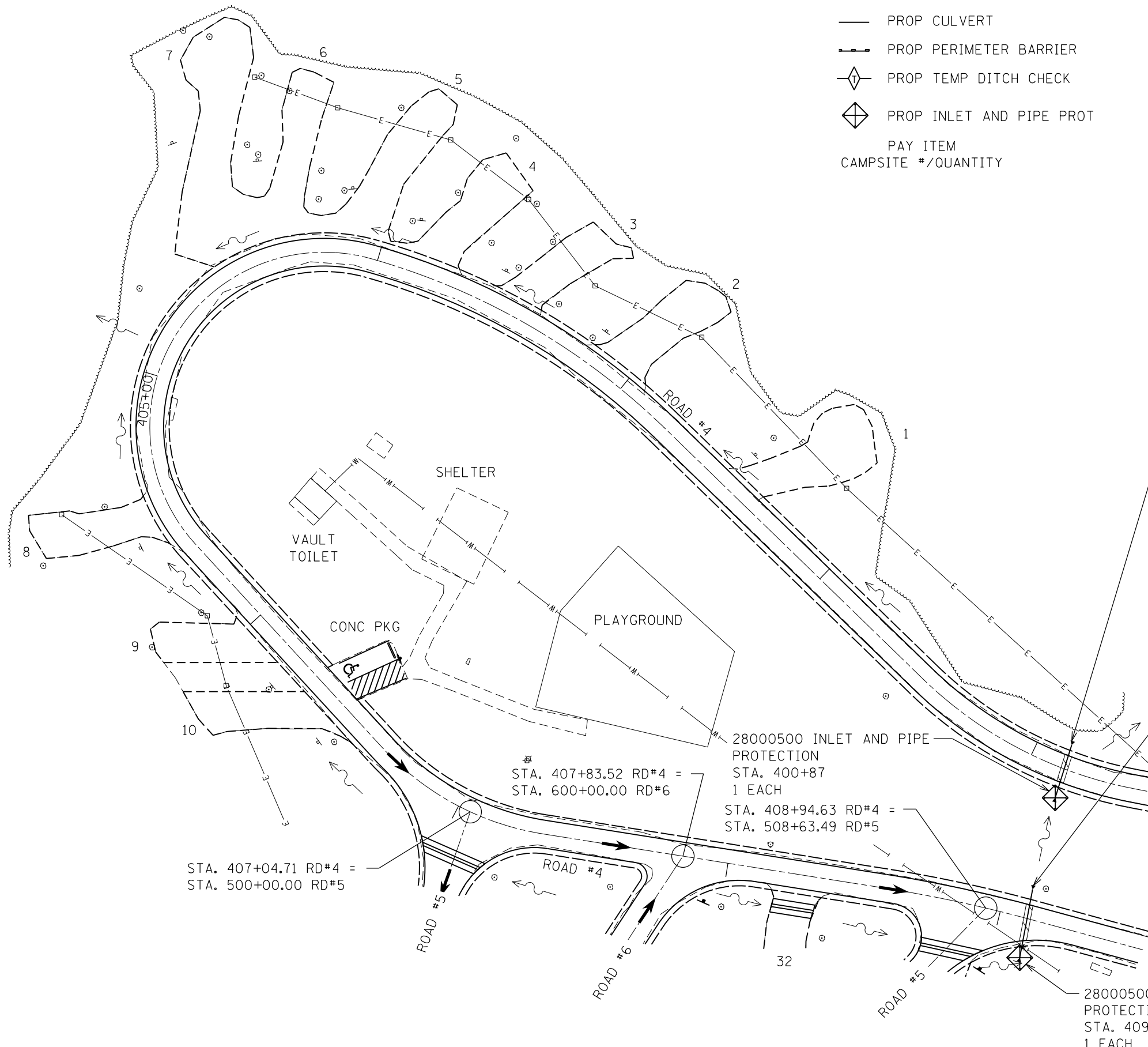
SCALE: SHEET 7 OF 7 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PARK ROADS 2017-03	JACKSON	59	19
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

JOB NO. 250-141-F VASCONCELLES ENGINEERING CORP. DESIGN FIRM REGISTRATION NUMBER 184-002107

**LEGEND**

- PROP CULVERT
- PROP PERIMETER BARRIER
- ◊ PROP TEMP DITCH CHECK
- ◊ PROP INLET AND PIPE PROT
- PAY ITEM  
CAMPSITE #/QUANTITY



542C0220 PIPE CULV,  
CL C, TY 1, 15"  
STA. 400+86.45 11.00' LT TO  
STA. 400+87.48 9.00' RT  
20 FOOT  
54213450 END SECTIONS 15"  
2 EACH  
20800150 TRENCH BACKFILL  
3.0 CU YD  
35102000 AGGREGATE BASE  
COURSE, TYPE B 8"  
3 SQ YD  
USFL = 649.19 +86.45  
DSFL = 648.56 +87.48

542C0220 PIPE CULV,  
CL C, TY 1, 15"  
STA. 409+09.24 10.50' LT TO  
STA. 409+11.01 14.50' RT  
25 FOOT  
54213450 END SECTIONS 15"  
2 EACH  
20800150 TRENCH BACKFILL  
3.3 CU YD  
35102000 AGGREGATE BASE  
COURSE, TYPE B 8"  
5 SQ YD  
USFL = 651.29 +11.01  
DSFL = 650.14 +09.24

STA. 407+04.71 RD#4 =  
STA. 500+00.00 RD#5

STA. 407+83.52 RD#4 =  
STA. 600+00.00 RD#6

28000500 INLET AND PIPE  
PROTECTION  
STA. 400+87  
1 EACH  
STA. 408+94.63 RD#4 =  
STA. 508+63.49 RD#5

28000500 INLET AND PIPE  
PROTECTION  
STA. 409+10  
1 EACH

FILE NAME = 46419-sh120-drain-eros.dgn	USER NAME = Connor Bell	DESIGNED - B.T.M.	REVISED -
		DRAWN - S.D.K.	REVISED -
		CHECKED - R.H.D.	REVISED -
		DATE - 3/6/17	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DRAINAGE & EROSION CONTROL PLAN  
GIANT CITY STATE PARK**

SCALE: 1" = 20' SHEET 1 OF 7 SHEETS STA. 400+36.00 TO STA. 409+54.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PARK ROADS 2017-03	JACKSON	59	20
CONTRACT NO. 46419				
ILLINOIS FED. AID PROJECT				

JOB NO. 250-141-F VASCCELLES ENGINEERING CORP. DESIGN FIRM REGISTRATION NUMBER 184-002107

60617800 PAVED FLUME

11 - 12 FOOT

13 - 13

15 - 15

17 - 17

19 - 22

21 - 18

28 - 16

29 - 15

32 - 15

STA. 500+17.00 - 25

STA. 508+42.00 - 23

LEGEND

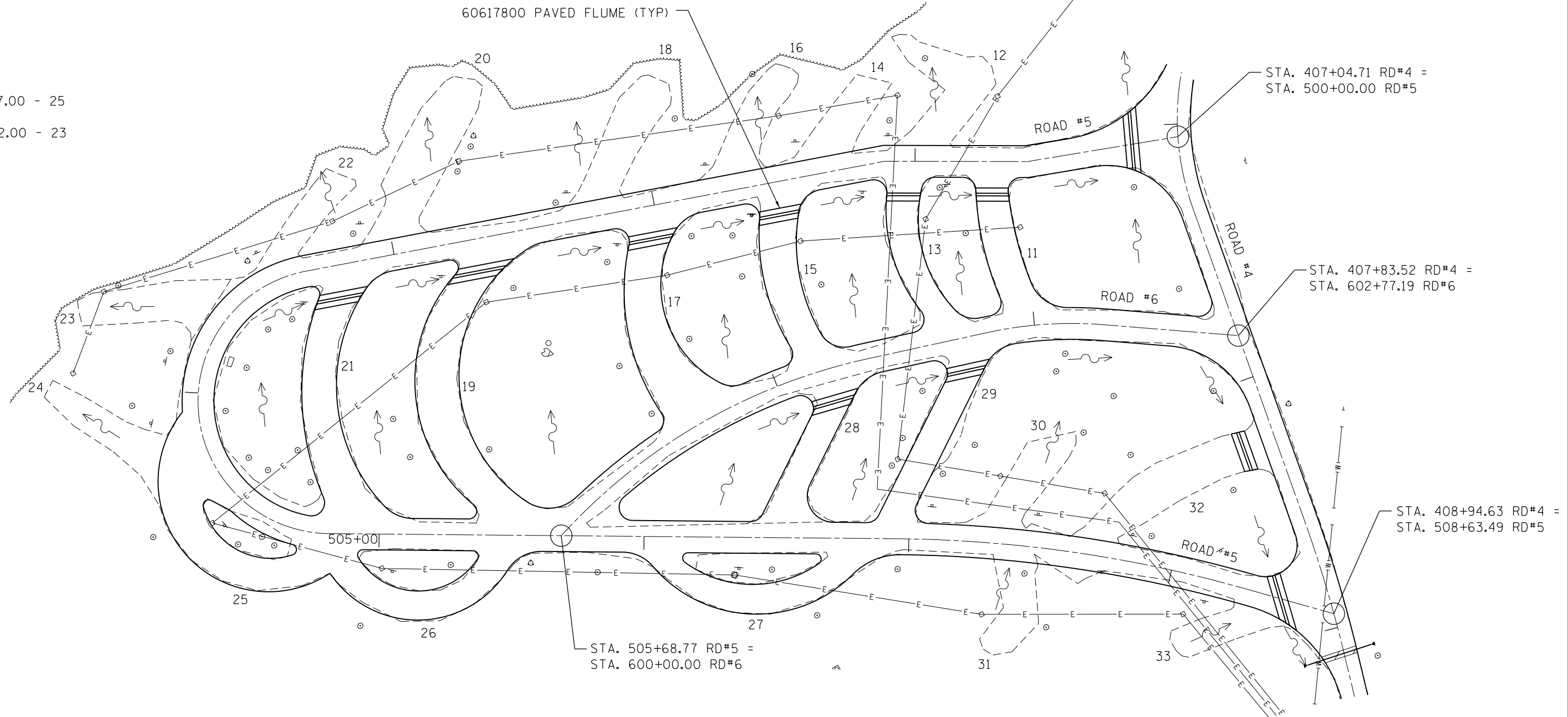
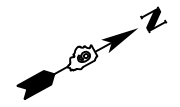
— PROP CULVERT

— PROP PERIMETER BARRIER

◇ PROP TEMP DITCH CHECK

◇ PROP INLET AND PIPE PROT

PAY ITEM  
CAMPSITE #/QUANTITY



FILE NAME = 46419-sh21-drain-eros.dgn	USER NAME = Connor Bell
Default	PLOT DATE = 3/29/2017

DESIGNED - B.T.M.	REVISOR -
DRAWN - S.D.K.	REVISOR -
CHECKED - R.H.D.	REVISOR -
DATE - 3/6/17	REVISOR -

REVISOR -
REVISOR -
REVISOR -
REVISOR -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DRAINAGE & EROSION CONTROL PLAN  
GIANT CITY STATE PARK**

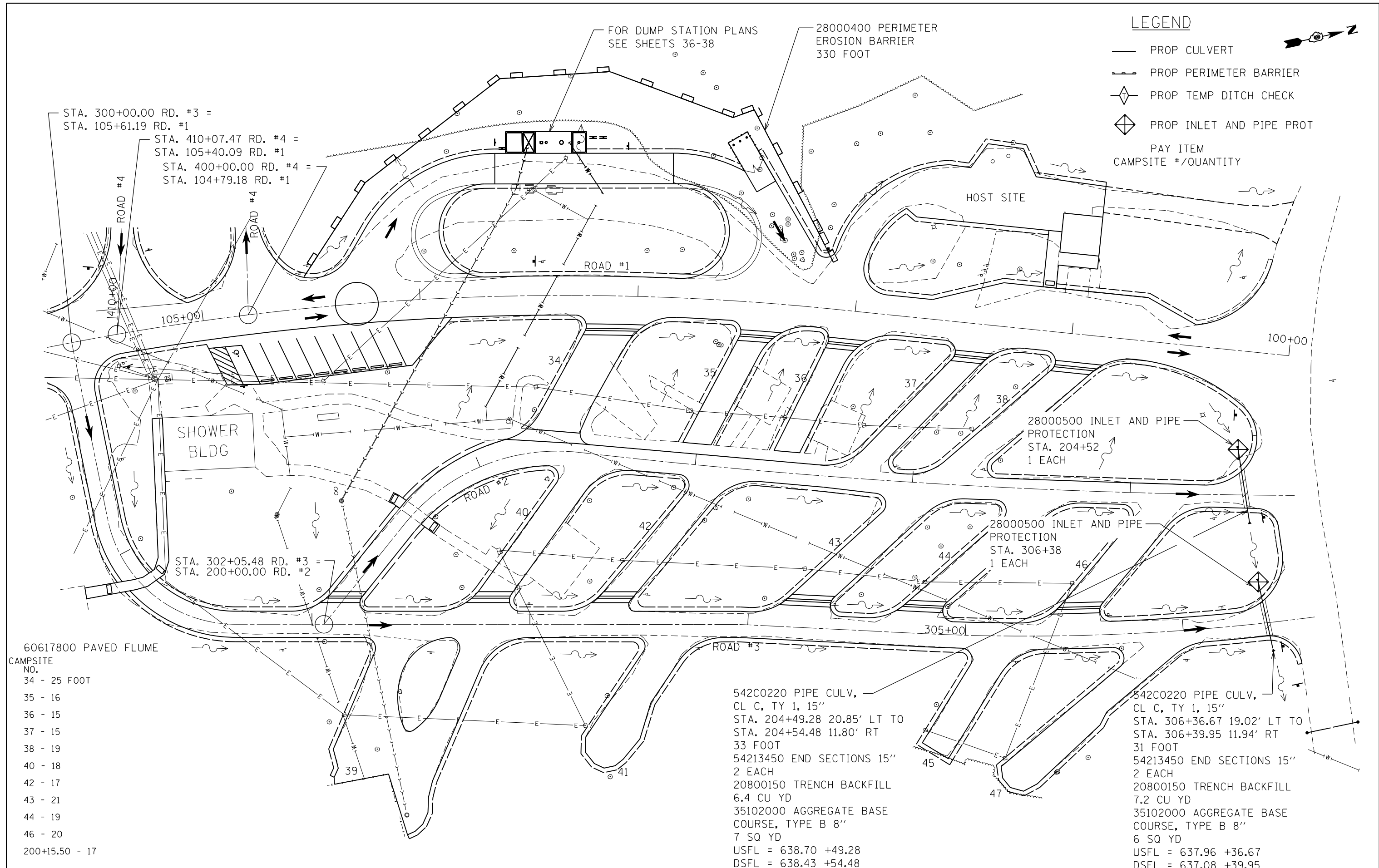
SCALE: 1" = 20'    SHEET 2 OF 7 SHEETS    STA. 500+00.00 TO STA. 508+63.49

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PARK ROADS 2017-03	JACKSON	59	21
			CONTRACT NO. 46419	
ILLINOIS FED. AID PROJECT				

JOB NO. 250-141-F VASCONCELLES ENGINEERING CORP. DESIGN FIRM REGISTRATION NUMBER 184-002107

**LEGEND**

- PROP CULVERT
- PROP PERIMETER BARRIER
- ◇ PROP TEMP DITCH CHECK
- ◇ PROP INLET AND PIPE PROT
- PAY ITEM  
CAMPSITE #/QUANTITY



STA. 300+00.00 RD. #3 =  
STA. 105+61.19 RD. #1  
STA. 410+07.47 RD. #4 =  
STA. 105+40.09 RD. #1  
STA. 400+00.00 RD. #4 =  
STA. 104+79.18 RD. #1

FOR DUMP STATION PLANS  
SEE SHEETS 36-38  
28000400 PERIMETER  
EROSION BARRIER  
330 FOOT

HOST SITE

SHOWER  
BLDG

STA. 302+05.48 RD. #3 =  
STA. 200+00.00 RD. #2

28000500 INLET AND PIPE  
PROTECTION  
STA. 204+52  
1 EACH

28000500 INLET AND PIPE  
PROTECTION  
STA. 306+38  
1 EACH

- 60617800 PAVED FLUME  
CAMPSITE  
NO.  
34 - 25 FOOT  
35 - 16  
36 - 15  
37 - 15  
38 - 19  
40 - 18  
42 - 17  
43 - 21  
44 - 19  
46 - 20  
200+15.50 - 17

542C0220 PIPE CULV,  
CL C, TY 1, 15"  
STA. 204+49.28 20.85' LT TO  
STA. 204+54.48 11.80' RT  
33 FOOT  
54213450 END SECTIONS 15"  
2 EACH  
20800150 TRENCH BACKFILL  
6.4 CU YD  
35102000 AGGREGATE BASE  
COURSE, TYPE B 8"  
7 SQ YD  
USFL = 638.70 +49.28  
DSFL = 638.43 +54.48

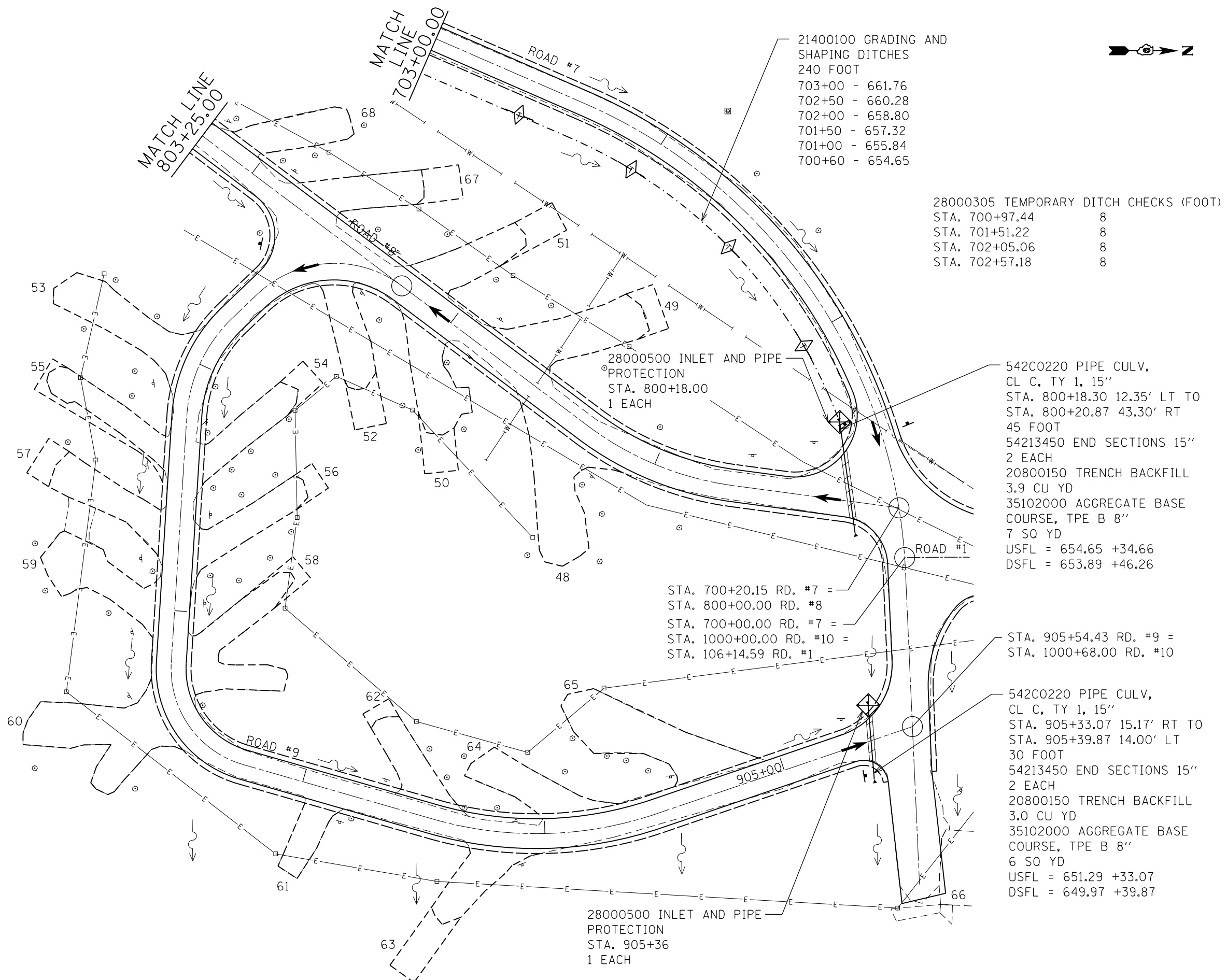
542C0220 PIPE CULV,  
CL C, TY 1, 15"  
STA. 306+36.67 19.02' LT TO  
STA. 306+39.95 11.94' RT  
31 FOOT  
54213450 END SECTIONS 15"  
2 EACH  
20800150 TRENCH BACKFILL  
7.2 CU YD  
35102000 AGGREGATE BASE  
COURSE, TYPE B 8"  
6 SQ YD  
USFL = 637.96 +36.67  
DSFL = 637.08 +39.95

FILE NAME = 46419-sh22-drain-eros.dgn	USER NAME = Connor Bell	DESIGNED - B.T.M.	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DRAINAGE &amp; EROSION CONTROL PLAN GIANT CITY STATE PARK</b>	F.A. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default	PLOT SCALE = 40.0000' / in.	DRAWN - S.D.K.	REVISED -			PARK ROADS 2017-03	JACKSON	59	22	CONTRACT NO. 46419
	PLOT DATE = 3/29/2017	CHECKED - R.H.D.	REVISED -			ILLINOIS FED. AID PROJECT				
		DATE - 3/6/17	REVISED -			SCALE: 1" = 20'	SHEET 3 OF 7 SHEETS	STA. 100+00.00 TO STA. 105+73.00		

JOB NO. 250-141-F VASCONCELLES ENGINEERING CORP. DESIGN FIRM REGISTRATION NUMBER 184-002107

**LEGEND**

- PROP CULVERT
- PROP PERIMETER BARRIER
- ◊ PROP TEMP DITCH CHECK
- ◊ PROP INLET AND PIPE PROT
- PAY ITEM  
CAMPSITE #/QUANTITY



21400100 GRADING AND SHAPING DITCHES  
240 FOOT  
703+00 - 661.76  
702+50 - 660.28  
702+00 - 658.80  
701+50 - 657.32  
701+00 - 655.84  
700+60 - 654.65

28000305 TEMPORARY DITCH CHECKS (FOOT)  
STA. 700+97.44           8  
STA. 701+51.22           8  
STA. 702+05.06           8  
STA. 702+57.18           8

STA. 700+20.15 RD. #7 =  
STA. 800+00.00 RD. #8  
STA. 700+00.00 RD. #7 =  
STA. 1000+00.00 RD. #10 =  
STA. 106+14.59 RD. #1

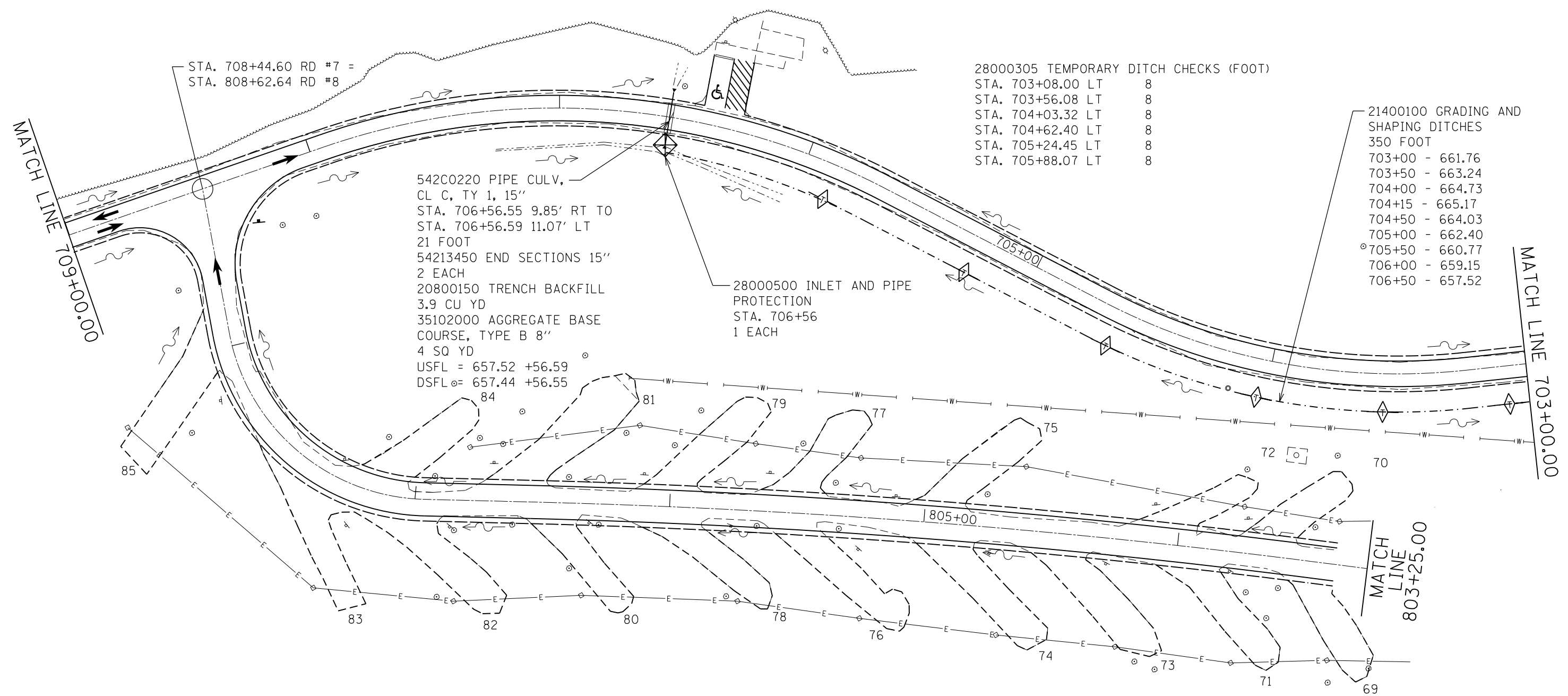
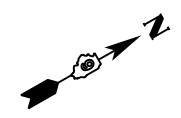
542C0220 PIPE CULV,  
CL C, TY 1, 15"  
STA. 800+18.30 12.35' LT TO  
STA. 800+20.87 43.30' RT  
45 FOOT  
54213450 END SECTIONS 15"  
2 EACH  
20800150 TRENCH BACKFILL  
3.9 CU YD  
35102000 AGGREGATE BASE  
COURSE, TPE B 8"  
7 SQ YD  
USFL = 654.65 +34.66  
DSFL = 653.89 +46.26

STA. 905+54.43 RD. #9 =  
STA. 1000+68.00 RD. #10  
  
542C0220 PIPE CULV,  
CL C, TY 1, 15"  
STA. 905+33.07 15.17' RT TO  
STA. 905+39.87 14.00' LT  
30 FOOT  
54213450 END SECTIONS 15"  
2 EACH  
20800150 TRENCH BACKFILL  
3.0 CU YD  
35102000 AGGREGATE BASE  
COURSE, TPE B 8"  
6 SQ YD  
USFL = 651.29 +33.07  
DSFL = 649.97 +39.87

28000500 INLET AND PIPE  
PROTECTION  
STA. 905+36  
1 EACH

FILE NAME = 46419-sht23-drain-eros.dgn	USER NAME = Connor Bell	DESIGNED - B.T.M.	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DRAINAGE AND EROSION CONTROL PLAN GIANT CITY STATE PARK</b>			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default	PLOT SCALE = 40.0000' / in.	CHECKED - R.H.D.	REVISED -		SCALE: 1" = 20'	SHEET 4	OF 7 SHEETS	STA. 700+00.00	TO STA. 703+00.00	JACKSON	59	23
	PLOT DATE = 3/29/2017	DATE - 3/6/17	REVISED -		CONTRACT NO. 46419							
ILLINOIS FED. AID PROJECT												

JOB NO. 250-141-F VASCONCELLES ENGINEERING CORP. DESIGN FIRM REGISTRATION NUMBER 184-002107



STA. 708+44.60 RD #7 =  
STA. 808+62.64 RD #8

28000305 TEMPORARY DITCH CHECKS (FOOT)  
 STA. 703+08.00 LT 8  
 STA. 703+56.08 LT 8  
 STA. 704+03.32 LT 8  
 STA. 704+62.40 LT 8  
 STA. 705+24.45 LT 8  
 STA. 705+88.07 LT 8

21400100 GRADING AND SHAPING DITCHES 350 FOOT  
 703+00 - 661.76  
 703+50 - 663.24  
 704+00 - 664.73  
 704+15 - 665.17  
 704+50 - 664.03  
 705+00 - 662.40  
 705+50 - 660.77  
 706+00 - 659.15  
 706+50 - 657.52

542C0220 PIPE CULV, CL C, TY 1, 15"  
 STA. 706+56.55 9.85' RT TO  
 STA. 706+56.59 11.07' LT  
 21 FOOT  
 54213450 END SECTIONS 15"  
 2 EACH  
 20800150 TRENCH BACKFILL  
 3.9 CU YD  
 35102000 AGGREGATE BASE COURSE, TYPE B 8"  
 4 SQ YD  
 USFL = 657.52 +56.59  
 DSFL = 657.44 +56.55

28000500 INLET AND PIPE PROTECTION  
 STA. 706+56  
 1 EACH

MATCH LINE  
709+00.00

MATCH LINE  
703+00.00

MATCH LINE  
803+25.00

**LEGEND**

- PROP CULVERT
- PROP PERIMETER BARRIER
- ◊ PROP TEMP DITCH CHECK
- ◊ PROP INLET AND PIPE PROT
- PAY ITEM  
CAMPSITE #/QUANTITY

FILE NAME = 46419-sht24-drain-eros.dgn	USER NAME = Connor Bell	DESIGNED - B.T.M.	REVISED -
Default	PLOT SCALE = 40.0000' / in.	DRAWN - S.D.K.	REVISED -
	PLOT DATE = 3/29/2017	CHECKED - R.H.D.	REVISED -
		DATE - 3/6/17	REVISED -

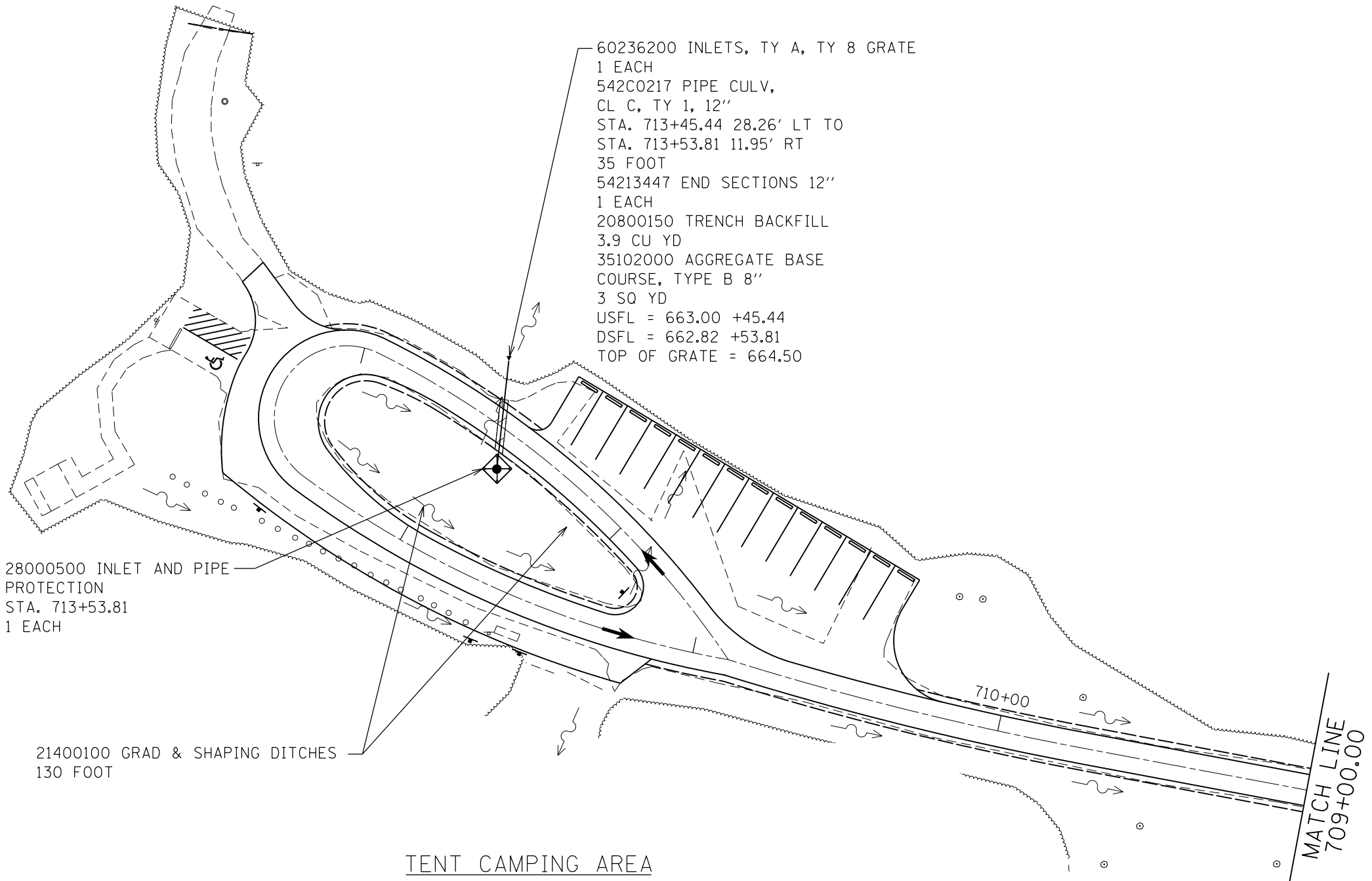
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DRAINAGE & EROSION CONTROL PLAN  
GIANT CITY STATE PARK**  
 SCALE: 1" = 20' SHEET 5 OF 7 SHEETS STA. 703+00.00 TO STA. 709+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PARK ROADS 2017-03	JACKSON	59	24
			CONTRACT NO. 46419	
ILLINOIS FED. AID PROJECT				

JOB NO. 250-141-F VASCONCELLES ENGINEERING CORP. DESIGN FIRM REGISTRATION NUMBER 184-002107





60236200 INLETS, TY A, TY 8 GRATE  
 1 EACH  
 542C0217 PIPE CULV,  
 CL C, TY 1, 12"  
 STA. 713+45.44 28.26' LT TO  
 STA. 713+53.81 11.95' RT  
 35 FOOT  
 54213447 END SECTIONS 12"  
 1 EACH  
 20800150 TRENCH BACKFILL  
 3.9 CU YD  
 35102000 AGGREGATE BASE  
 COURSE, TYPE B 8"  
 3 SQ YD  
 USFL = 663.00 +45.44  
 DSFL = 662.82 +53.81  
 TOP OF GRATE = 664.50

28000500 INLET AND PIPE  
 PROTECTION  
 STA. 713+53.81  
 1 EACH

21400100 GRAD & SHAPING DITCHES  
 130 FOOT

TENT CAMPING AREA

MATCH LINE  
 709+00.00

LEGEND

- PROP PERIMETER BARRIER
  - PROP TEMP DITCH CHECK
  - PROP INLET AND PIPE PROT
- PAY ITEM  
 CAMPSITE #/QUANTITY

FILE NAME = 46419-sh125-drain-eros.dgn	USER NAME = Connor Bell	DESIGNED - B.T.M.	REVISED -
Default	PLOT SCALE = 40.0000' / in.	DRAWN - S.D.K.	REVISED -
	PLOT DATE = 3/29/2017	CHECKED - R.H.D.	REVISED -
		DATE - 3/6/17	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

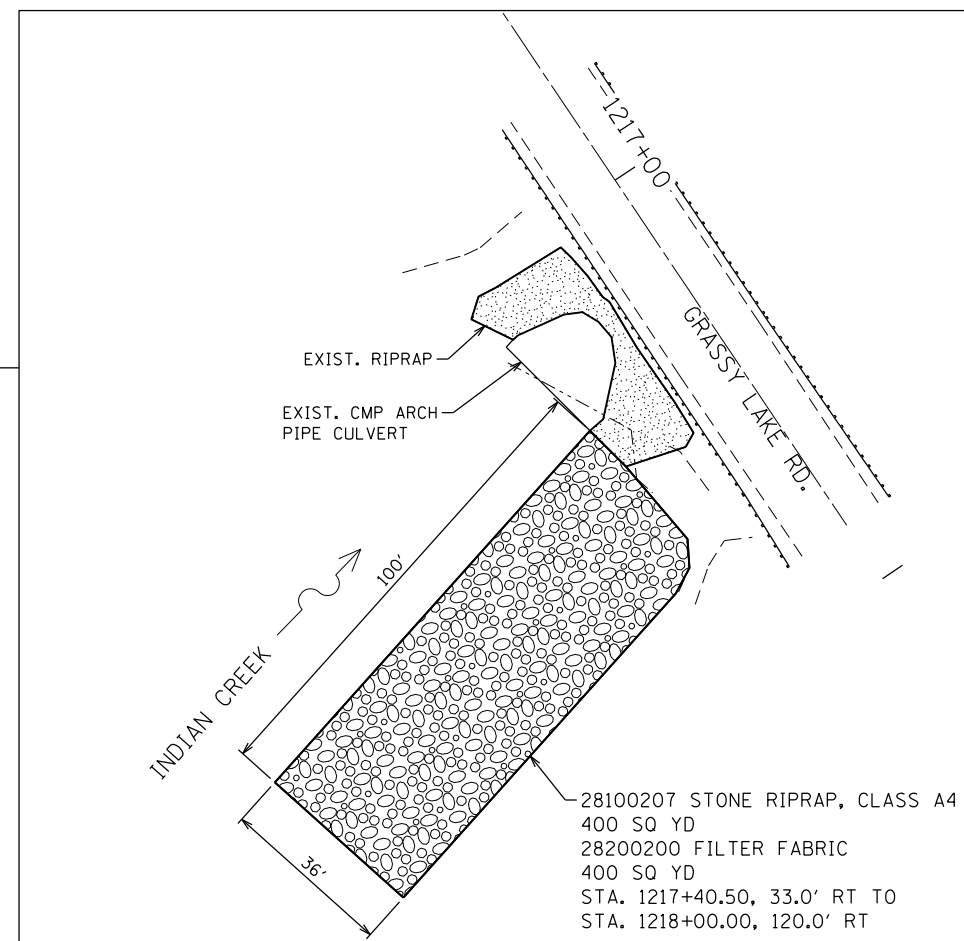
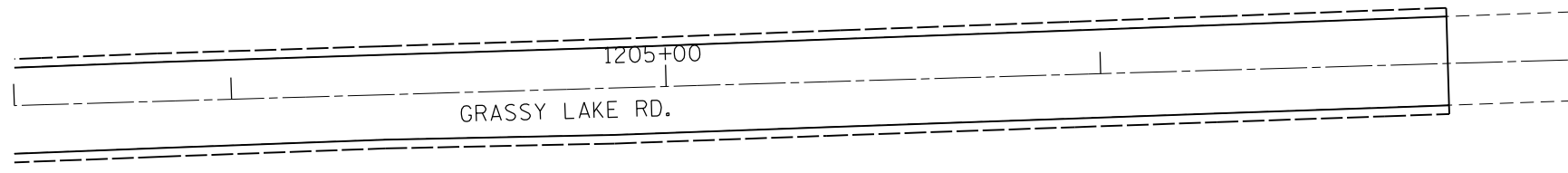
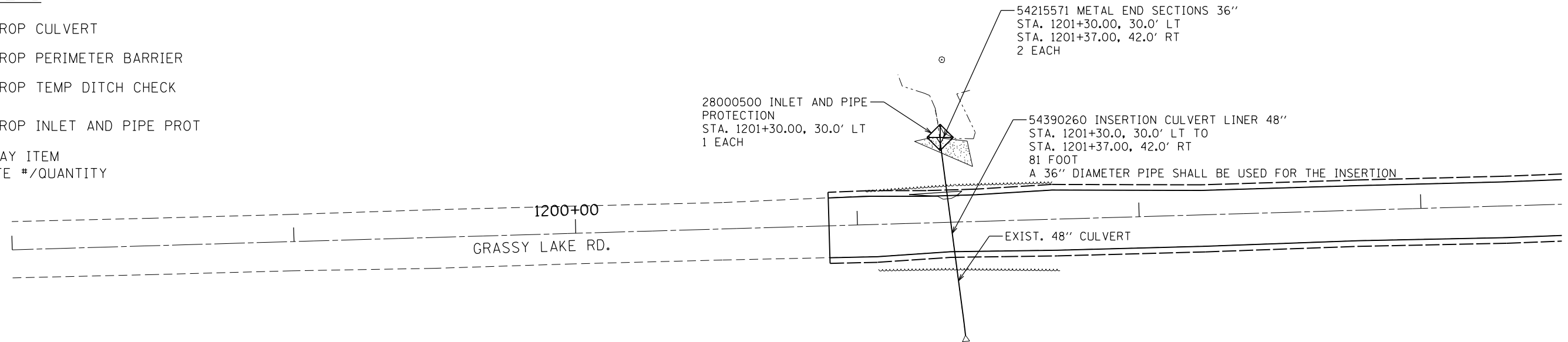
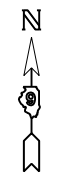
DRAINAGE & EROSION CONTROL PLAN  
 GIANT CITY STATE PARK  
 SCALE: 1" = 20' SHEET 6 OF 7 SHEETS STA. 709+00.00 TO STA. 714+54.08

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PARK ROADS 2017-03	JACKSON	59	25
			CONTRACT NO. 46419	
ILLINOIS FED. AID PROJECT				

JOB NO. 250-141-F VASCONCELLES ENGINEERING CORP. DESIGN FIRM REGISTRATION NUMBER 184-002107

**LEGEND**

- PROP CULVERT
- PROP PERIMETER BARRIER
- ◊ PROP TEMP DITCH CHECK
- ◊ PROP INLET AND PIPE PROT
- PAY ITEM  
CAMPSITE #/QUANTITY



FILE NAME = 46419-sht26-drain-eros.dgn	USER NAME = Connor Bell	DESIGNED - B.T.M.	REVISED -
Default	PLOT SCALE = 40.0000' / in.	DRAWN - S.D.K.	REVISED -
	PLOT DATE = 3/29/2017	CHECKED - R.H.D.	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>DRAINAGE &amp; EROSION CONTROL PLAN</b>	
<b>GIANT CITY STATE PARK</b>	
SCALE:	SHEET 7 OF 7 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PARK ROADS 2017-03	JACKSON	59	26
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

JOB NO. 250-141-F VASCONCELLES ENGINEERING CORP. DESIGN FIRM REGISTRATION NUMBER 184-002107



35102000 AGGREGATE BASE  
 COURSE TYPE B 8" (WIDENING)  
 STA. 400+11.09 TO  
 STA. 409+95.83  
 39.1 SQ YD

48101500 AGGR SHLDRS,  
 TY B, 6"  
 STA. 400+11.09 TO  
 STA. 409+95.83  
 403 SQ YD

STA. 400+00.00 TO  
 STA. 410+07.47  
 40600290 BIT MATLS  
 (TACK COAT)  
 809 POUND

40603310 HMA SURF CSE,  
 MIX "C", N50 1 1/2"  
 94 TON

40600625 LEVEL BIND  
 (MM), N50 1 1/2"  
 103 TON

78001100 PAINT PVT MKG -  
 LET & SYB (YELLOW)  
 STA. 406+36.06 8.50' LT  
 3.1 SQ FT

78001130 PAINT PVT  
 MKG - LINE 6" (YELLOW)  
 STA. 406+45.00 LT  
 144 FOOT

78001100 PAINT PVT MKG  
 LET & SYB (WHITE)  
 STA. 406+74.00  
 11.5 SQ FT

STA. 407+04.71 RD#4 =  
 STA. 500+00.00 RD#5

78001100 PAINT PVT MKG  
 LET & SYB (WHITE)  
 STA. 407+59.00  
 11.5 SQ FT

72000100 SIGN PANEL - TYPE I  
 2 SQ FT (R7-8, R7-1101 "\$250 FINE")  
 73000100 WOOD SIGN SUPPORTS  
 STA. 406+45.62, 26.26' LT  
 11 FOOT

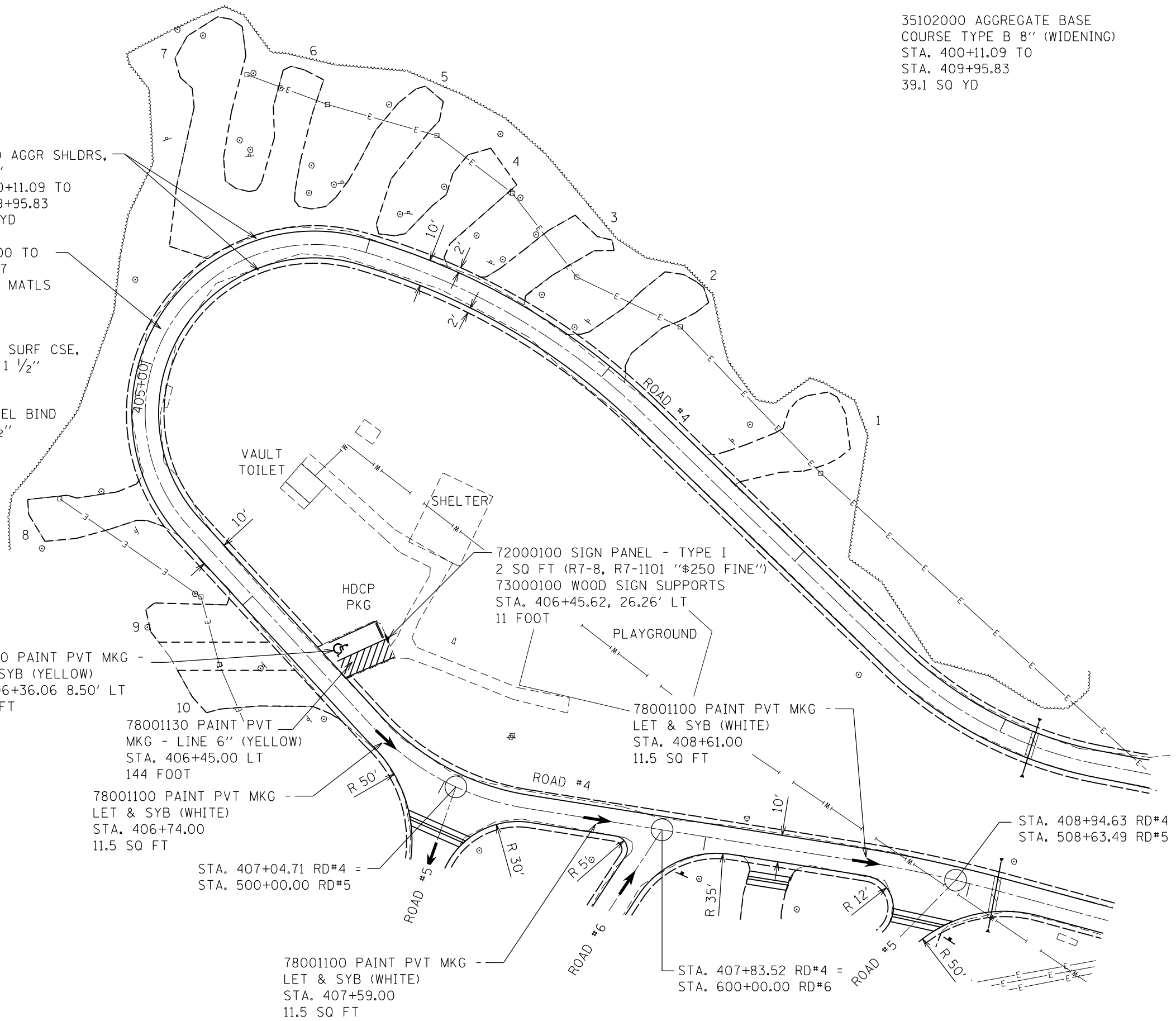
78001100 PAINT PVT MKG  
 LET & SYB (WHITE)  
 STA. 408+61.00  
 11.5 SQ FT

STA. 408+94.63 RD#4 =  
 STA. 508+63.49 RD#5

STA. 407+83.52 RD#4 =  
 STA. 600+00.00 RD#6

**LEGEND**  
 PAY ITEM  
 CAMPSITE #/QUANTITY

- X4020900 AGGR SURF CSE,  
 TY B, SPECIAL, 3"  
 1 - 98 SQ YD
- 2 - 81
- 3 - 66
- 4 - 86
- 5 - 108
- 6 - 103
- 7 - 195
- 8 - 71
- 9 - 60
- 10 - 72



FILE NAME =  
 46419-sht27-plan.dgn  
 Default

USER NAME = Connor Bell  
 PLOT SCALE = 40.0000' / in.  
 PLOT DATE = 3/29/2017

DESIGNED - B.T.M.  
 DRAWN - S.D.K.  
 CHECKED - R.H.D.  
 DATE - 3/6/17

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**PROPOSED PLAN  
 GIANT CITY STATE PARK**  
 SCALE: 1" = 20' SHEET 1 OF 7 SHEETS STA. 400+36.00 TO STA. 409+54.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PARK ROADS 2017-03	JACKSON	59	27
			CONTRACT NO. 46419	
ILLINOIS FED. AID PROJECT				

JOB NO. 250-141-F VASCCELLES ENGINEERING CORP. DESIGN FIRM REGISTRATION NUMBER 184-002107



40600275 BIT MATLS (PRIME COAT)	40600290 BIT MATLS (TACK COAT)	40603310 HMA SURF CSE, MIX "C", N50, 1 1/2"	40600625 LEVEL BIND, (MM), N50, 1 1/2"	X4020900 AGGR SURF CSE, TY B, SPECIAL, 3"
11 - 160 POUND	11 - 16 POUND	11 - 6 TON	11 - 6 TON	12 - 87 SQ YD
13 - 163	13 - 16	13 - 6	13 - 6	14 - 53
15 - 203	15 - 20	15 - 8	15 - 8	16 - 64
17 - 312	17 - 31	17 - 12	17 - 12	18 - 81
19 - 441	19 - 44	19 - 17	19 - 17	20 - 126
21 - 337	21 - 34	21 - 13	21 - 13	22 - 49
25 - 339	25 - 34	25 - 13	25 - 13	23 - 80
26 - 226	26 - 23	26 - 9	26 - 9	24 - 72
27 - 236	27 - 24	27 - 9	27 - 9	30 - 63
28 - 169	28 - 17	28 - 6	28 - 6	31 - 53
29 - 193	29 - 19	29 - 7	29 - 7	32 - 119
	500+04.57 TO 508+56.54 - 755	500+04.57 TO 508+56.54 - 101	500+04.57 TO 508+56.54 - 111	33 - 43
	600+08.18 TO 602+71.71 - 244	600+08.18 TO 602+71.71 - 31	600+08.18 TO 602+71.71 - 34	

35102000 AGGREGATE BASE COURSE  
TYPE B 8"  
STA. 500+04.57 TO STA. 508+56.54  
78.8 SQ YD

STA. 600+08.18 TO STA. 602+71.71  
50.2 SQ YD

48101500 AGGR SHLDRS,  
TY B, 6"

48102100 AGGREGATE WDGE  
SHOULDERS TYPE B

11 - 1.8 TON
13 - 2.1
15 - 2.2
17 - 2.8
19 - 4.4
21 - 3.6
25 - 2.6
26 - 2.8
27 - 3.0
28 - 2.0
29 - 2.6

48101500 AGGR SHLDRS,  
TY B, 6"  
500+04.57 TO 508+56.54 - 302 SQ YD  
600+08.18 TO 602+71.71 - 87

STA. 505+68.77 RD#5 =  
STA. 600+00.00 RD#6

78001100 PAINT PVT MKG -  
LET & SYMB (TYP)  
STA. 600+42.50  
11.5 SQ FT

78001100 PAINT PVT MKG -  
LET & SYMB (TYP)  
STA. 506+07.00  
11.5 SQ FT

78001100 PAINT PVT MKG -  
LET & SYMB (TYP)  
STA. 508+23.62  
11.5 SQ FT

78001100 PAINT PVT MKG -  
LET & SYMB (TYP)  
STA. 500+27.50  
11.5 SQ FT

STA. 407+04.71 RD#4 =  
STA. 500+00.00 RD#5

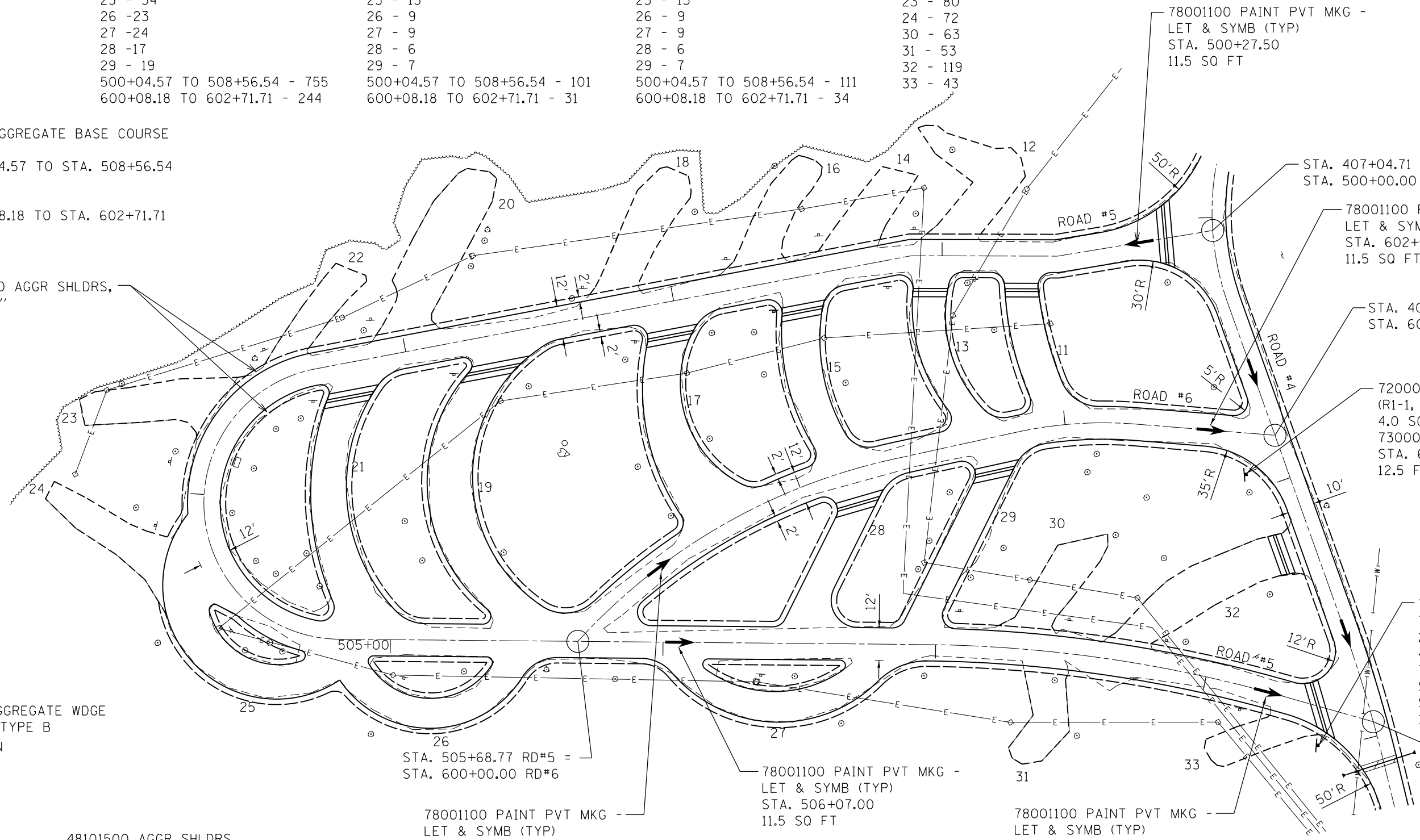
78001100 PAINT PVT MKG -  
LET & SYMB (TYP)  
STA. 602+53.69  
11.5 SQ FT

STA. 407+83.52 RD#4 =  
STA. 602+77.19 RD#6

72000100 SIGN PANEL - TY I  
(R1-1, "STOP", 24" X 24")  
4.0 SQ FT  
73000100 WOOD SIGN SUPPORT  
STA. 602+67.19, 15.24' RT  
12.5 FOOT

72000100 SIGN PANEL - TY I  
(R1-1, "STOP",  
24" X 24")  
4.0 SQ FT  
73000100 WOOD  
SIGN SUPPORT  
STA. 508+45.71, 14.0' RT  
12.5 FOOT

STA. 408+94.63 RD#4 =  
STA. 508+63.49 RD#5



**LEGEND**

PAY ITEM  
CAMPSITE #/QUANTITY

FILE NAME =  
46419-sh128-plan.dgn

USER NAME = Connor Bell

DESIGNED - B.T.M.  
DRAWN - S.D.K.  
CHECKED - R.H.D.  
DATE - 3/6/17

REVISED -  
REVISED -  
REVISED -  
REVISED -

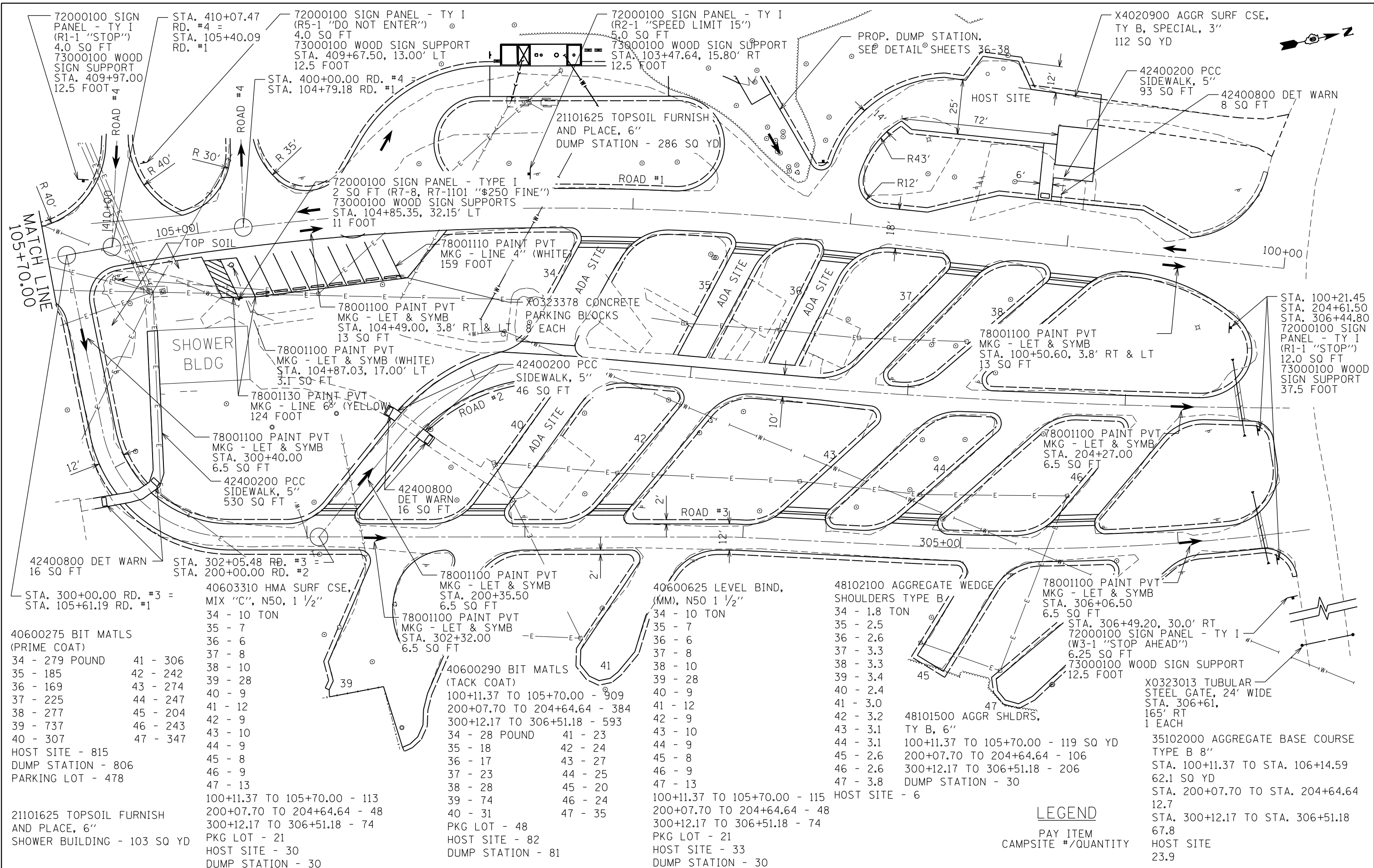
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PROPOSED PLAN  
GIANT CITY STATE PARK**

SCALE: 1" = 20' SHEET 2 OF 7 SHEETS STA. 500+00.00 TO STA. 508+63.49

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PARK ROADS 2017-03	JACKSON	59	28
			CONTRACT NO. 46419	
ILLINOIS FED. AID PROJECT				

JOB NO. 250-141-F VASCONCELLES ENGINEERING CORP. DESIGN FIRM REGISTRATION NUMBER 184-002107



42400800 DET WARN 16 SQ FT

STA. 300+00.00 RD. #3 =  
STA. 105+61.19 RD. #1

40600275 BIT MATLS (PRIME COAT)

34 - 279 POUND	41 - 306
35 - 185	42 - 242
36 - 169	43 - 274
37 - 225	44 - 247
38 - 277	45 - 204
39 - 737	46 - 243
40 - 307	47 - 347

HOST SITE - 815  
DUMP STATION - 806  
PARKING LOT - 478

21101625 TOPSOIL FURNISH AND PLACE, 6"  
SHOWER BUILDING - 103 SQ YD

40603310 HMA SURF CSE, MIX "C", N50, 1 1/2"

34 - 10 TON	37 - 8
35 - 7	38 - 10
36 - 6	39 - 28
37 - 8	40 - 9
38 - 10	41 - 12
39 - 28	42 - 9
40 - 9	43 - 10
41 - 12	44 - 9
42 - 9	45 - 8
43 - 10	46 - 9
44 - 9	47 - 13

100+11.37 TO 105+70.00 - 113  
200+07.70 TO 204+64.64 - 48  
300+12.17 TO 306+51.18 - 74

PKG LOT - 21  
HOST SITE - 30  
DUMP STATION - 30

40600290 BIT MATLS (TACK COAT)

100+11.37 TO 105+70.00 - 809	41 - 23
200+07.70 TO 204+64.64 - 384	42 - 24
300+12.17 TO 306+51.18 - 593	43 - 27
34 - 28 POUND	44 - 25
35 - 18	45 - 20
36 - 17	46 - 24
37 - 23	47 - 35
38 - 28	
39 - 74	
40 - 31	

PKG LOT - 48  
HOST SITE - 82  
DUMP STATION - 81

40600625 LEVEL BIND, (MM), N50 1 1/2"

34 - 10 TON	37 - 8
35 - 7	38 - 10
36 - 6	39 - 28
37 - 8	40 - 9
38 - 10	41 - 12
39 - 28	42 - 9
40 - 9	43 - 10
41 - 12	44 - 9
42 - 9	45 - 8
43 - 10	46 - 9
44 - 9	47 - 13

100+11.37 TO 105+70.00 - 115  
200+07.70 TO 204+64.64 - 48  
300+12.17 TO 306+51.18 - 74

PKG LOT - 21  
HOST SITE - 33  
DUMP STATION - 30

48102100 AGGREGATE WEDGE SHOULDERS TYPE B/

34 - 1.8 TON	35 - 2.5
35 - 2.5	36 - 2.6
36 - 2.6	37 - 3.3
37 - 3.3	38 - 3.3
38 - 3.3	39 - 3.4
39 - 3.4	40 - 2.4
40 - 2.4	41 - 3.0
41 - 3.0	42 - 3.2
42 - 3.2	43 - 3.1
43 - 3.1	44 - 3.1
44 - 3.1	45 - 2.6
45 - 2.6	46 - 2.6
46 - 2.6	47 - 3.8

HOST SITE - 6

48101500 AGGR SHLDRS, TY B, 6"

100+11.37 TO 105+70.00 - 119 SQ YD	35102000 AGGREGATE BASE COURSE TYPE B 8"
200+07.70 TO 204+64.64 - 106	STA. 100+11.37 TO STA. 106+14.59
300+12.17 TO 306+51.18 - 206	62.1 SQ YD
DUMP STATION - 30	STA. 200+07.70 TO STA. 204+64.64
	12.7
	STA. 300+12.17 TO STA. 306+51.18
	67.8
	HOST SITE
	23.9

**LEGEND**  
PAY ITEM  
CAMPSITE #/QUANTITY

FILE NAME = 46419-sh29-plan.dgn  
Default

USER NAME = Connor Bell  
PLOT SCALE = 40.0000' / in.  
PLOT DATE = 3/29/2017

DESIGNED - B.T.M.  
DRAWN - S.D.K.  
CHECKED - R.H.D.  
DATE - 3/6/17

REVISED -  
REVISED -  
REVISED -  
REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PROPOSED PLAN  
GIANT CITY STATE PARK**  
SCALE: 1" = 20'  
SHEET 3 OF 7 SHEETS  
STA. 100+00.00 TO STA. 105+73.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PARK ROADS 2017-03	JACKSON	59	29
CONTRACT NO. 46419				
ILLINOIS FED. AID PROJECT				

JOB NO. 250-141-F VASCONECLES ENGINEERING CORP. DESIGN FIRM REGISTRATION NUMBER 184-002107

X4020900 AGGR SURF CSE,  
TY B, SPECIAL, 3"

- 48 - 121 SQ YD
- 49 - 115
- 50 - 101
- 51 - 88
- 52 - 84
- 53 - 95
- 54 - 74
- 55 - 84

35102000 AGGR BASE CSE,  
TY B, 8"

- 49 - 17 SQ YD
- 50 - 25
- 51 - 24
- 52 - 25
- 54 - 15
- 55 - 21
- 56 - 11
- 57 - 17
- 58 - 11
- 62 - 8
- 63 - 37
- 67 - 23

STA. 700+23.72 TO STA. 703+00.00  
12.2 SQ YD

STA. 800+09.47 TO STA. 803+25.00  
38.0 SQ YD

STA. 900+24.49 TO STA. 905+44.79  
35.9 SQ YD

40600290 BIT MATLS  
(TACK COAT)

- 700+23.72 TO 703+00.00 - 251 POUND
- 800+09.47 TO 803+25.00 - 307
- 900+24.49 TO 905+54.43 - 497
- 66 - 22

40600275 BIT MATLS  
(PRIME COAT)

- 66 - 221 POUND

40603310 HMA SURF CSE,  
MIX "C", N50, 1 1/2"

- 700+23.72 TO 703+00.00 - 31 TON
- 800+09.47 TO 803+25.00 - 38
- 900+24.49 TO 905+54.43 - 62
- 66 - 8

40600625 LEVEL BIND,  
(MM), N50, 1 1/2"

- 700+23.72 TO 703+00.00 - 34 TON
- 800+09.47 TO 803+25.00 - 42
- 900+24.49 TO 905+54.43 - 68
- 66 - 8

72000100 SIGN PANEL - TY I  
(R6-2L "ONE WAY")  
3.0 SQ FT  
73000100 WOOD SIGN SUPPORT  
12.5 FOOT  
STA. 900+48.33, 15.50' RT

CAMPSITE #61  
21101615 TOPSOIL FURNISH  
AND PLACE, 4"  
36 SQ YD

48101500 AGGR SHLDRS,  
TY B, 6"  
STA. 900+24.49 TO  
STA. 905+44.79  
260 SQ YD

48101500 AGGR SHLDRS,  
TY B, 6"  
STA. 700+00 TO  
STA. 703+00  
125 SQ YD

48101500 AGGR SHLDRS,  
TY B, 6"  
STA. 800+09.47 TO  
STA. 803+25.00  
125 SQ YD

STA. 900+00.00 RD. #9 = 125 SQ YD  
STA. 802+24.68 RD. #8

STA. 700+20.15 RD. #7 =  
STA. 800+00.00 RD. #8  
STA. 700+00.00 RD. #7 =  
STA. 1000+00.00 RD. #10 =  
STA. 106+14.59 RD. #1  
STA. 905+54.43 RD. #9 =  
STA. 1000+68.00 RD. #10

72000100 SIGN  
PANEL - TY I  
(R1-1 "STOP")  
4.0 SQ FT  
73000100 WOOD  
SIGN SUPPORT  
STA. 905+29.70  
12.5 FOOT

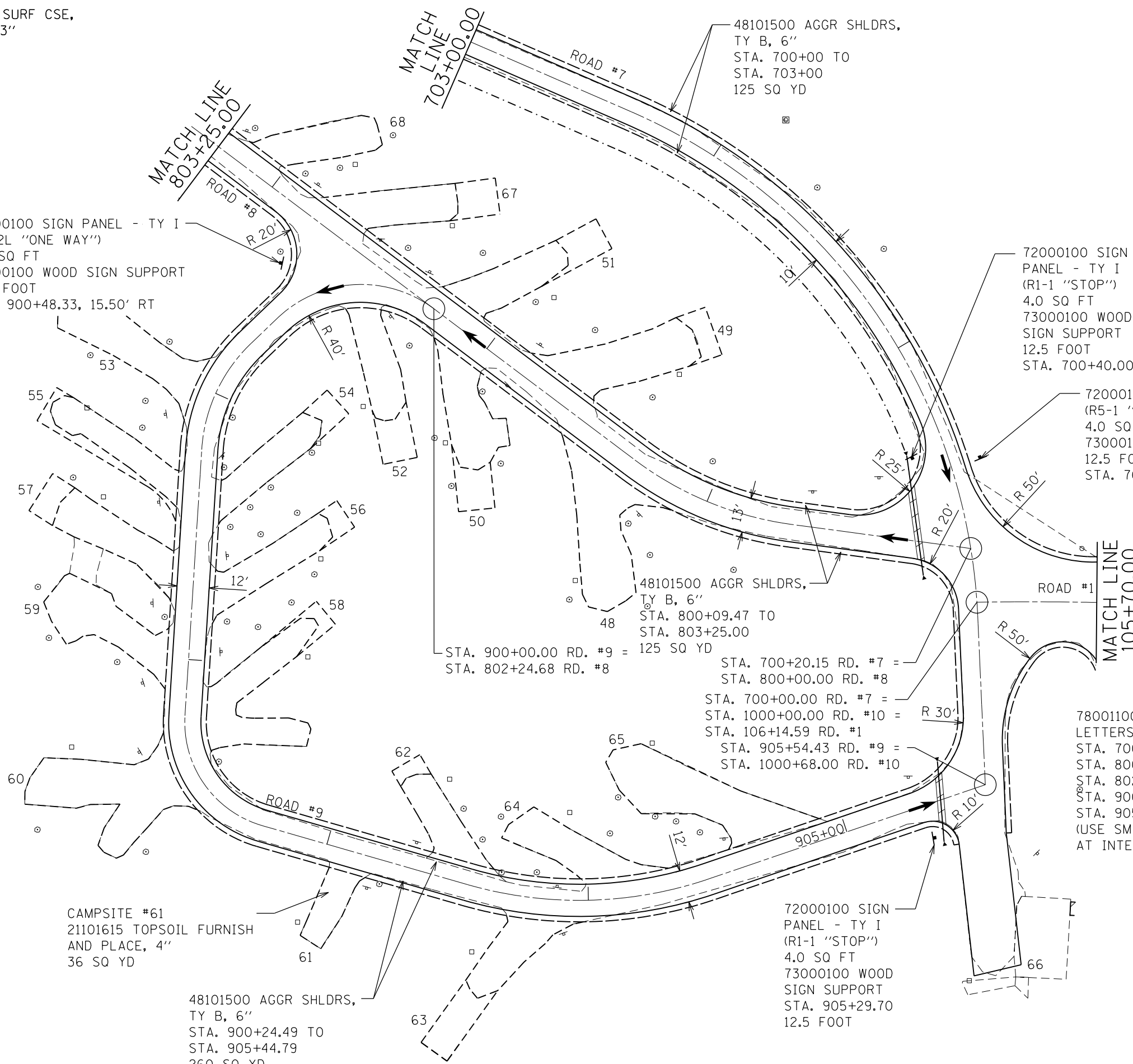
72000100 SIGN  
PANEL - TY I  
(R1-1 "STOP")  
4.0 SQ FT  
73000100 WOOD  
SIGN SUPPORT  
12.5 FOOT  
STA. 700+40.00, 12.00' LT

72000100 SIGN PANEL - TY I  
(R5-1 "DO NOT ENTER")  
4.0 SQ FT  
73000100 WOOD SIGN SUPPORT  
12.5 FOOT  
STA. 700+32.00, 11.00' RT

78001100 PAINT PAVEMENT MARKING  
LETTERS AND SYMBOLS  
STA. 700+32.00 - 6.5 SQ FT  
STA. 800+29.00 - 6.5 SQ FT  
STA. 802+06.00 - 6.5 SQ FT  
STA. 900+42.00 - 6.5 SQ FT  
STA. 905+30.00 - 6.5 SQ FT  
(USE SMALL LETTERING ARROWS  
AT INTERSECTIONS)

**LEGEND**

PAY ITEM  
CAMPSITE #/QUANTITY



FILE NAME = 46419-sht30-plan.dgn	USER NAME = Connor Bell	DESIGNED - B.T.M.	REVISED -
Default	PLOT SCALE = 40.0000' / in.	DRAWN - S.D.K.	REVISED -
	PLOT DATE = 3/29/2017	CHECKED - R.H.D.	REVISED -
		DATE - 3/6/17	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>PROPOSED PLAN</b>			
<b>GIANT CITY STATE PARK</b>			
SCALE: 1" = 20'	SHEET 4	OF 7 SHEETS	STA. 700+00.00 TO STA. 703+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PARK ROADS 2017-03	JACKSON	59	30
			CONTRACT NO. 46419	
ILLINOIS FED. AID PROJECT				

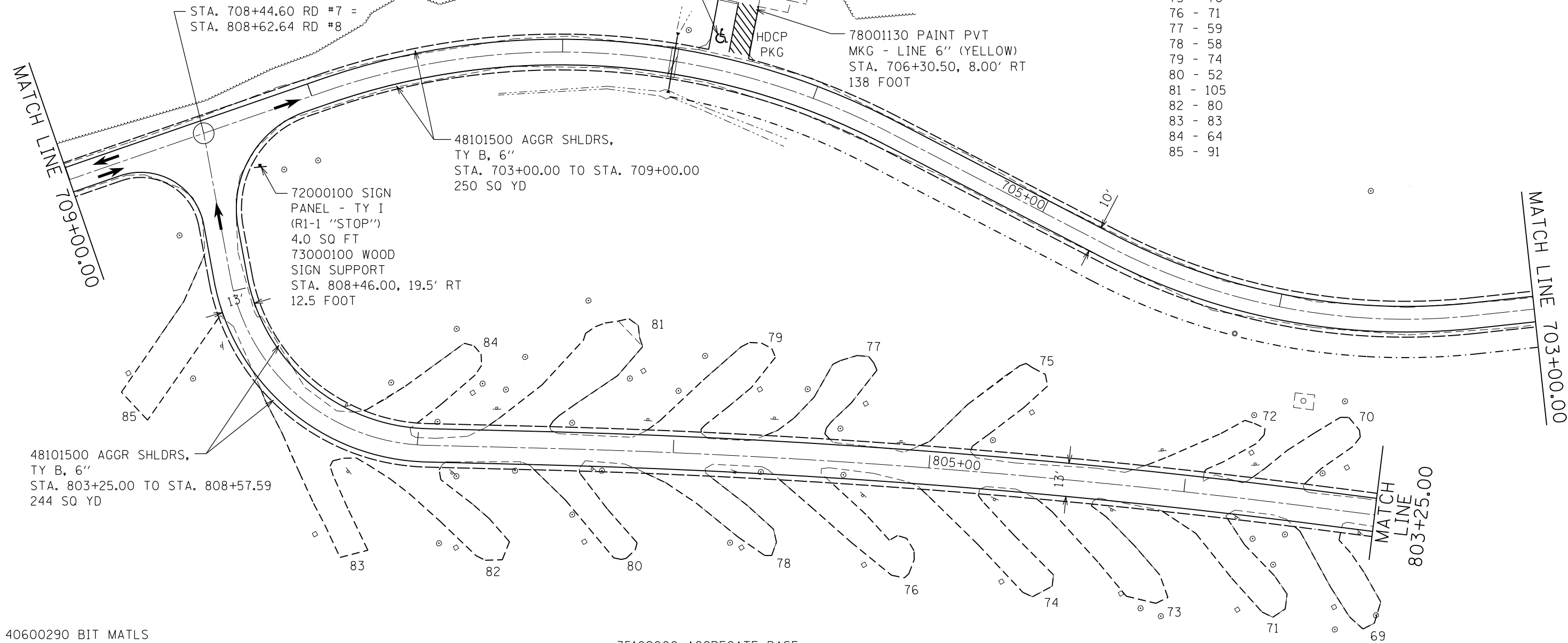
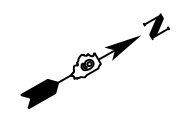
JOB NO. 250-141-F VASCONCELLES ENGINEERING CORP. DESIGN FIRM REGISTRATION NUMBER 184-002107

78001100 PAINT PAVEMENT MARKING  
LETTERS AND SYMBOLS  
STA. 708+10.00 - 6.5 SQ FT  
STA. 708+84.00 - 13.0 SQ FT  
STA. 808+30.00 - 6.5 SQ FT  
(USE SMALL LETTERING ARROWS  
AT INTERSECTIONS)

78001100 PAINT PVT MKG -  
LET & SYB (YELLOW)  
STA. 706+40.50, 13.30' RT  
3.1 SQ FT

72000100 SIGN PANEL - TYPE I  
2 SQ FT (R7-8, R7-1101 "\$250 FINE")  
73000100 WOOD SIGN SUPPORTS  
11 FOOT  
STA. 706+41.32, 33.00' RT

X4020900 AGGR SURF CSE,  
TY B, SPECIAL, 3"  
69 - 60 SQ YD  
70 - 53  
71 - 69  
72 - 42  
73 - 82  
74 - 78  
75 - 70  
76 - 71  
77 - 59  
78 - 58  
79 - 74  
80 - 52  
81 - 105  
82 - 80  
83 - 83  
84 - 64  
85 - 91



48101500 AGGR SHLDRS,  
TY B, 6"  
STA. 803+25.00 TO STA. 808+57.59  
244 SQ YD

72000100 SIGN  
PANEL - TY I  
(R1-1 "STOP")  
4.0 SQ FT  
73000100 WOOD  
SIGN SUPPORT  
STA. 808+46.00, 19.5' RT  
12.5 FOOT

48101500 AGGR SHLDRS,  
TY B, 6"  
STA. 703+00.00 TO STA. 709+00.00  
250 SQ YD

40600290 BIT MATLS  
(TACK COAT)  
703+00.00 TO 709+00.00 - 450 POUND  
803+25.00 TO 808+57.59 - 551 POUND

35102000 AGGREGATE BASE  
COURSE TYPE B 8"  
STA. 703+00.00 TO STA. 709+00.00  
4.06 SQ YD

40600625 LEVEL BIND,  
(MM), N50, 1 1/2"  
703+00.00 TO 709+00.00 - 62 TON  
803+25.00 TO 808+57.59 - 76 TON

STA. 803+25.00 TO STA. 808+57.59  
66.0 SQ YD

40603310 HMA SURF CSE,  
MIX "C", N50, 1 1/2"  
703+00.00 TO 709+00.00 - 56 TON  
803+25.00 TO 808+57.59 - 69 TON

**LEGEND**  
PAY ITEM  
CAMPSITE #/QUANTITY

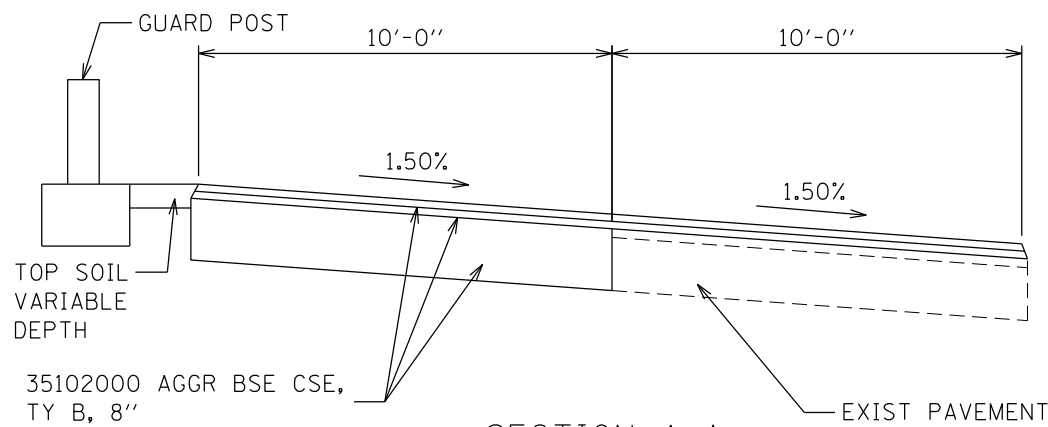
FILE NAME = 46419-sht31-pln.dgn	USER NAME = Connor Bell	DESIGNED - B.T.M.	REVISED -
Default	PLOT SCALE = 40.0000' / in.	DRAWN - S.D.K.	REVISED -
	PLOT DATE = 3/29/2017	CHECKED - R.H.D.	REVISED -
		DATE - 3/6/17	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>PROPOSED PLAN GIANT CITY STATE PARK</b>			
SCALE: 1" = 20'	SHEET 5	OF 7 SHEETS	STA. 703+00.00 TO STA. 709+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PARK ROADS 2017-03	JACKSON	59	31
			CONTRACT NO. 46419	
ILLINOIS FED. AID PROJECT				

JOB NO. 250-141-F VASCONCELLES ENGINEERING CORP. DESIGN FIRM REGISTRATION NUMBER 184-002107



TOP SOIL  
VARIABLE  
DEPTH

35102000 AGGR BSE CSE,  
TY B, 8"

40600625 LEVEL BIND (MM)  
N50, 1 1/2"

40603310 HMA SURF CSE  
MIX "C", N50, 1 1/2"

**SECTION A-A**

40600290 BIT MATLS  
(TACK COAT)  
STA. 709+00.00 TO 714+54.08 - 450 POUND  
DROP OFF AREA FOR TENT CAMPING - 56 POUND  
PARKING LOT FOR TENT CAMPING - 116 POUND

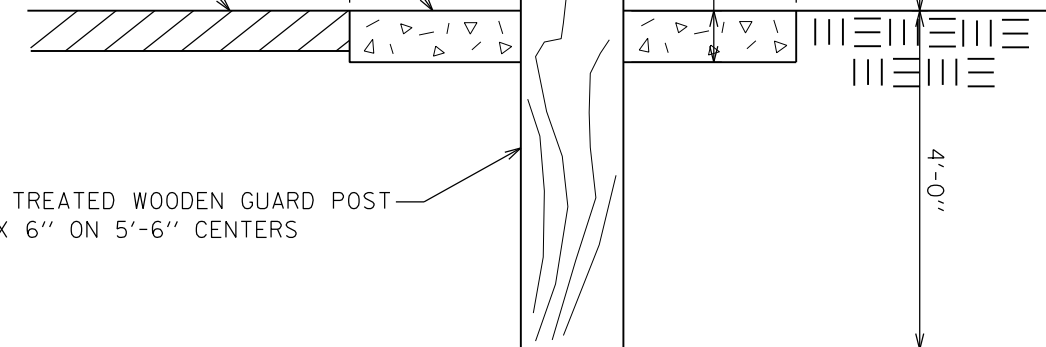
40600275 BIT MATLS  
(PRIME COAT)  
DROP OFF AREA FOR TENT CAMPING - 562 POUND  
PARKING LOT FOR TENT CAMPING - 1160 POUND

40600625 LEVEL BIND,  
(MM), N50, 1 1/2"  
STA. 709+00.00 TO 714+54.08 - 57 TON  
DROP OFF AREA FOR TENT CAMPING - 21 TON  
PARKING LOT FOR TENT CAMPING - 43 TON

40603310 HMA SURF CSE,  
MIX "C", N50, 1 1/2"  
STA. 709+00.00 TO 714+54.08 - 57 TON  
DROP OFF AREA FOR TENT CAMPING - 21 TON  
PARKING LOT FOR TENT CAMPING - 43 TON

AGGREGATE SHOULDERS,  
TYPE B

PARKING LOT  
SURFACE



CCA TREATED WOODEN GUARD POST  
6" X 6" ON 5'-6" CENTERS

NOTE: 3' AGGR SHOULDERS, TYPE B, SHALL BE  
CONSTRUCTED A UNIFORM 6" THICK AT BOLLARD  
LOCATIONS.

**GUARD POSTS**

72000100 SIGN PANEL - TYPE I  
2 SQ FT (R7-8, R7-1101 "\$250 FINE")  
73000100 WOOD SIGN SUPPORTS  
11 FOOT  
STA. 712+69.04, 44.50' LT

78001100 PAINT PVT MKG -  
LET & SYMB (YELLOW)  
STA. 712+67.63, 21.50' LT  
3.1 SQ FT

X0323013 TUBULAR  
STEEL GATE, 21' WIDE  
STA. 712+86.78, 105.00' LT  
1 EACH

MATCH EXISTING  
ELEVATIONS

STA. 713+60.13  
27.37' LT

35102000 AGGR BSE CSE,  
TY B, 8"  
765 SQ YD  
X0323378 CONCRETE  
PARKING BLOCKS  
STA. 713+65.00 TO  
STA. 710+60.00  
14 EACH

72000100 SIGN PANEL - TY I  
(R4-7A "KEEP RIGHT")  
1.5 SQ FT  
73000100 WOOD SIGN SUPPORT  
12.5 FOOT  
STA. 711+27.18, 13.00' LT

78001110 PAINT PVT MKG -  
LINE 4" (WHITE)  
260 FOOT

STA. 710+35.87  
40.94' RIGHT

48101500 AGGR SHLDRS,  
TY B, 6"  
STA. 709+00.00 TO  
STA. 714+54.08  
150 SQ YD

CONTINUE GUARD POSTS TO TOILETS,  
LIMITING VEHICULAR ACCESS TO TENT  
CAMPING AREA.

72000100 SIGN PANEL - TY I  
(R7-6D "NO PARKING")  
1.5 SQ FT  
73000100 WOOD SIGN SUPPORT  
12.5 FOOT  
STA. 712+37.25, 16.70' LT

63400105 GUARD POSTS  
24 EACH

48101500 AGGR SHLDR, TY B, 6"  
43 SQ YD

72400600 REL SIGN PANEL  
ASSEMBLY - TYPE B  
STA. 711+62.80, 13.85' LT  
1 EACH

72000100 SIGN PANEL - TY I  
(R7-6D "NO PARKING")  
1.5 SQ FT  
73000100 WOOD SIGN SUPPORT  
12.5 FOOT  
STA. 711+51.05, 17.75' LT

78001100 PAINT PVT MKG -  
LET & SYMB  
13 SQ FT  
(USE SMALL LETTERING,  
ARROWS AT INTERSECTIONS)

**TENT CAMPING AREA**

MATCH LINE  
709+00.00

**LEGEND**

PAY ITEM  
CAMPSITE #/QUANTITY

FILE NAME = 46419-sht32-plan.dgn	USER NAME = Connor Bell	DESIGNED - B.T.M.	REVISED -
Default	PLOT SCALE = 40.0000' / in.	DRAWN - S.D.K.	REVISED -
	PLOT DATE = 3/29/2017	CHECKED - R.H.D.	REVISED -
		DATE - 3/6/17	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PROPOSED PLAN  
GIANT CITY STATE PARK

SCALE: 1" = 20' SHEET 6 OF 7 SHEETS STA. 709+00.00 TO STA. 714+54.08

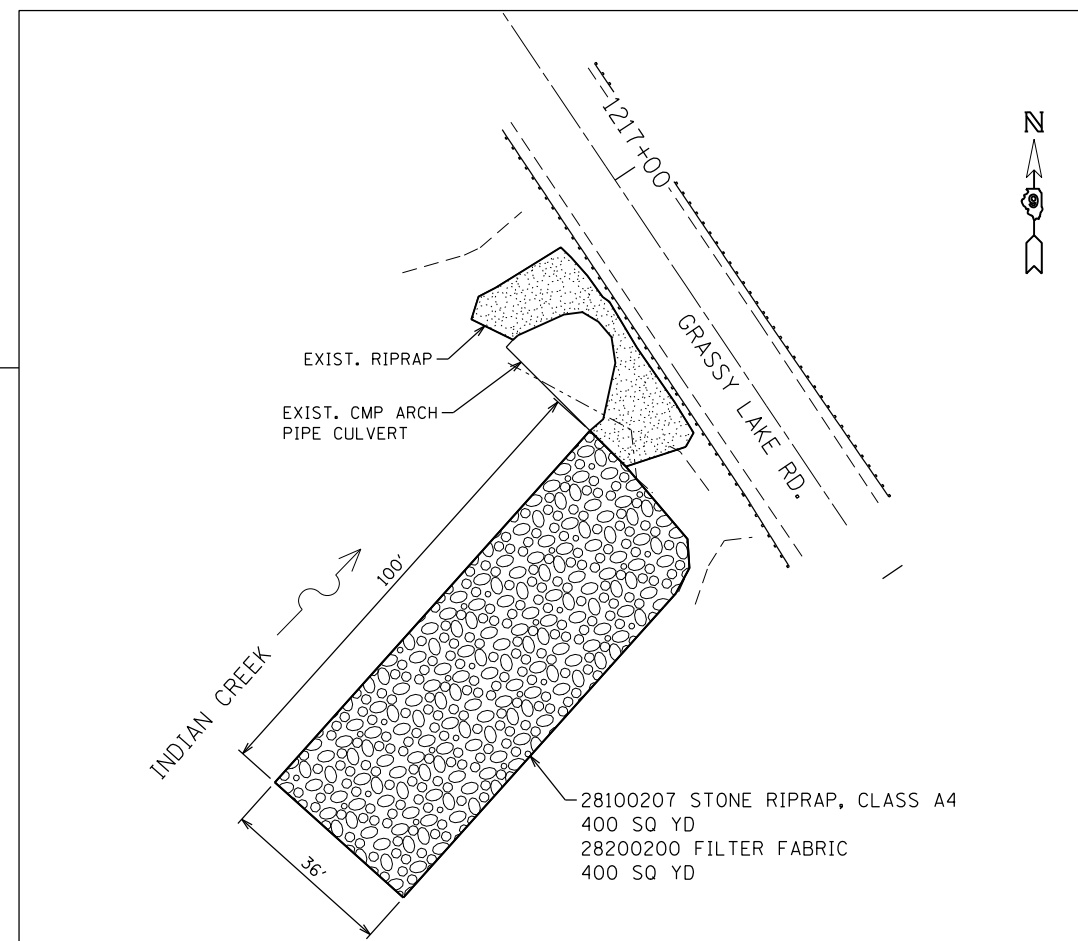
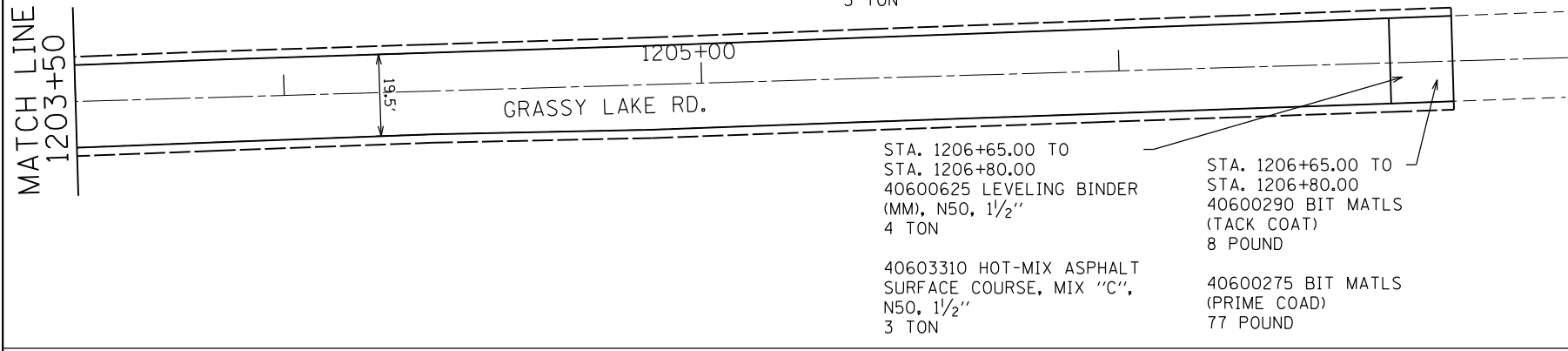
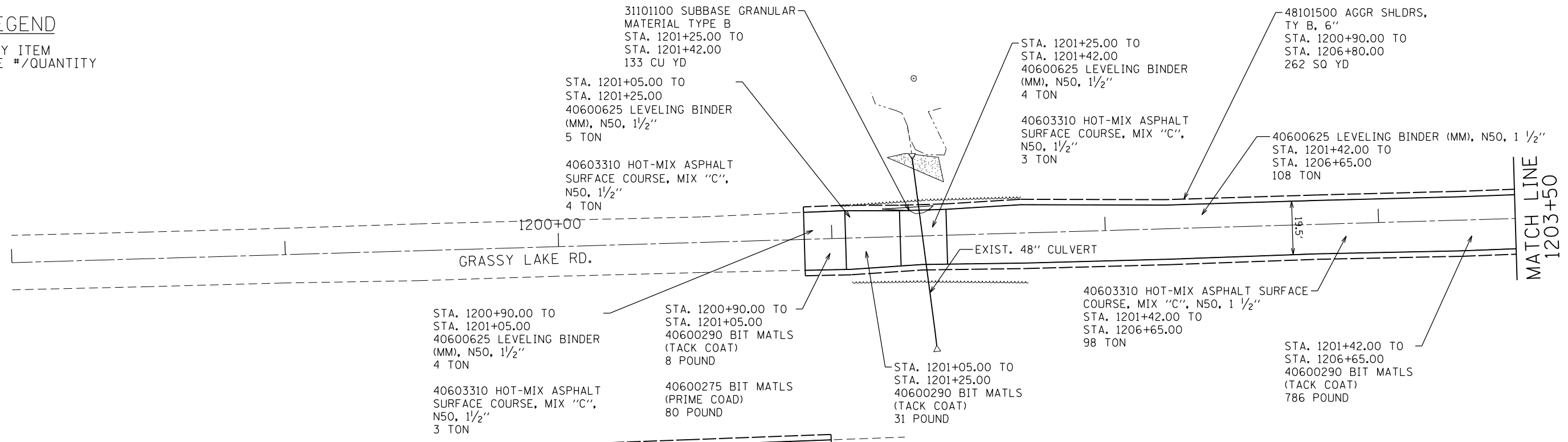
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PARK ROADS 2017-03	JACKSON	59	32
			CONTRACT NO. 46419	
ILLINOIS FED. AID PROJECT				

JOB NO. 250-141-F VASCONCELLES ENGINEERING CORP. DESIGN FIRM REGISTRATION NUMBER 184-002107



**LEGEND**

PAY ITEM  
CAMPSITE #/QUANTITY



FILE NAME = 46419-sht33-plan.dgn	USER NAME = Connor Bell	DESIGNED - B.T.M.	REVISED -
Default	PLOT SCALE = 40.0000' / in.	DRAWN - S.D.K.	REVISED -
	PLOT DATE = 3/29/2017	CHECKED - R.H.D.	REVISED -
		DATE - 3/6/17	REVISED -

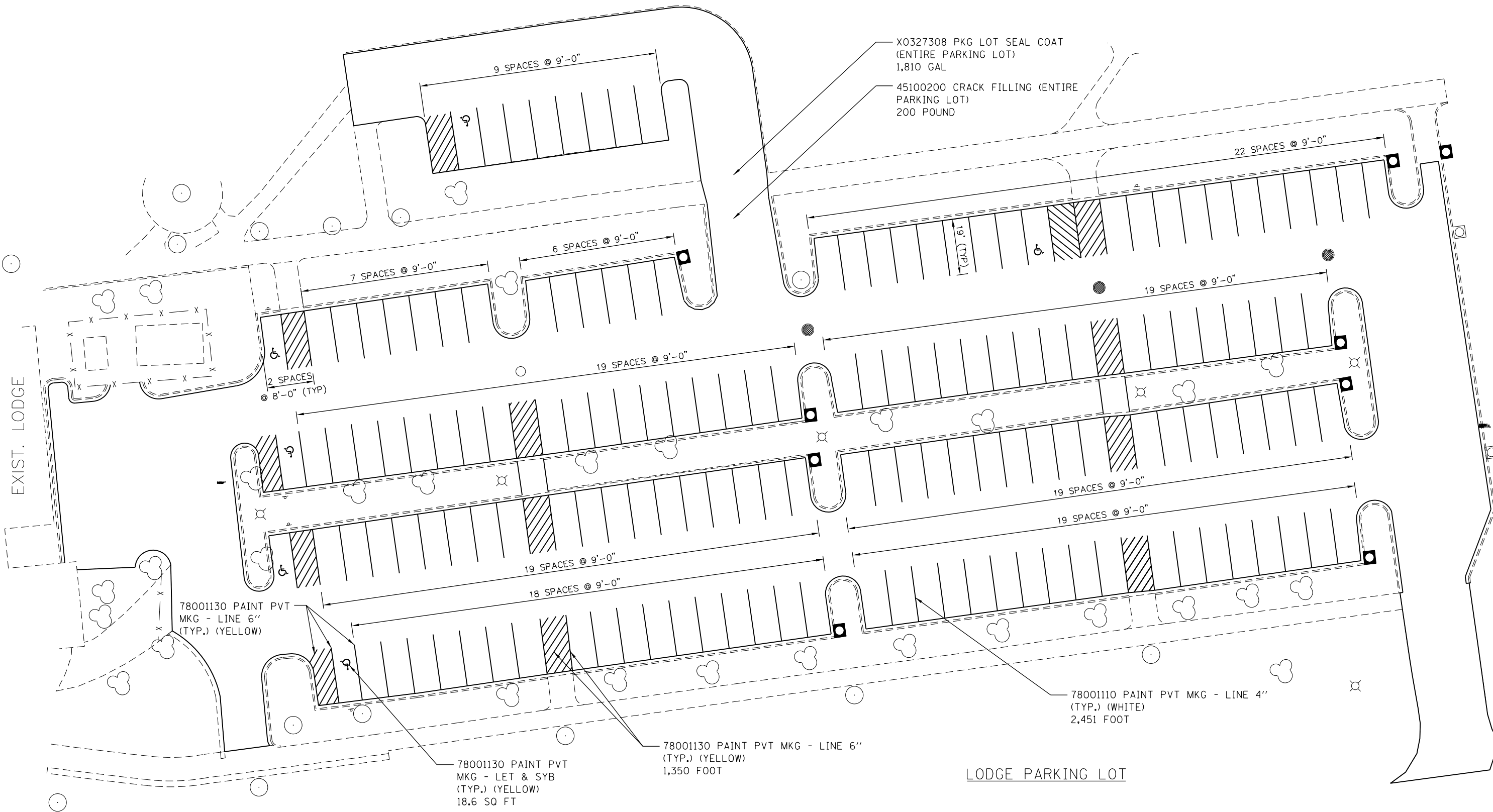
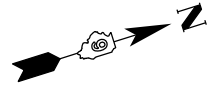
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PROPOSED PLAN  
GIANT CITY STATE PARK**

SCALE: 1"=20' SHEET 7 OF 7 SHEETS STA. TO STA.

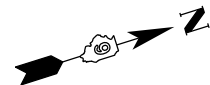
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PARK ROADS 2017-03	JACKSON	59	33
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

JOB NO. 250-141-F VASCONCELLES ENGINEERING CORP. DESIGN FIRM REGISTRATION NUMBER 184-002107



FILE NAME = 46419-sht34-plan.dgn	USER NAME = Connor Bell	DESIGNED - B.T.M.	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>LODGE PARKING LOT GIANT CITY STATE PARK</b>			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Model	PLOT SCALE = 100.00' / 1" =	DRAWN - S.D.K.	REVISED -		SCALE: NTS	SHEET 1	OF 1 SHEETS	STA.	TO STA.	PARK ROADS 2017-03	JACKSON	59	34
	PLOT DATE = 3/29/2017	CHECKED - R.H.D.	REVISED -										
		DATE - 3/6/17	REVISED -										
ILLINOIS FED. AID PROJECT											CONTRACT NO. 46419		

JOB NO. 250-141-F VASCONCELLES ENGINEERING CORP. DESIGN FIRM REGISTRATION NUMBER 184-002107



MAIN PARK ROAD

X0327308 PKG LOT SEAL COAT  
(ENTIRE PARKING LOT)  
1,073 GAL

45100200 CRACK FILLING (ENTIRE  
PARKING LOT)  
200 POUND

13 SPACES @ 9.5'

9.5'  
(TYP)

X0300019 REM AND REINSTALL  
PARKING BLOCKS  
34 EACH

78001110 PAINT PVT MKG - LINE 4"  
(TYP.) (WHITE)  
910 FOOT

13 SPACES @ 9.7'

9.7'  
(TYP)

78001130 PAINT PVT  
MKG - LINE 6"  
(TYP.) (WHITE)  
86 FOOT

150'

18'

78001130 PAINT PVT  
MKG - LINE 6"  
(TYP.) (YELLOW)  
120 FOOT

78001130 PAINT PVT  
MKG - LET & SYB  
(TYP.) (YELLOW)  
6.2 SQ FT

78001110 PAINT PVT MKG - LINE 4"  
(TYP.) (WHITE)  
90 FOOT

VISITOR'S  
CENTER

VISITOR'S CENTER PARKING LOT

FILE NAME = 46419-sht35-plan.dgn	USER NAME = Connor Bell	DESIGNED - B.T.M.	REVISED -
		DRAWN - S.D.K.	REVISED -
		CHECKED - R.H.D.	REVISED -
Model	PLOT DATE = 3/29/2017	DATE - 3/6/17	REVISED -

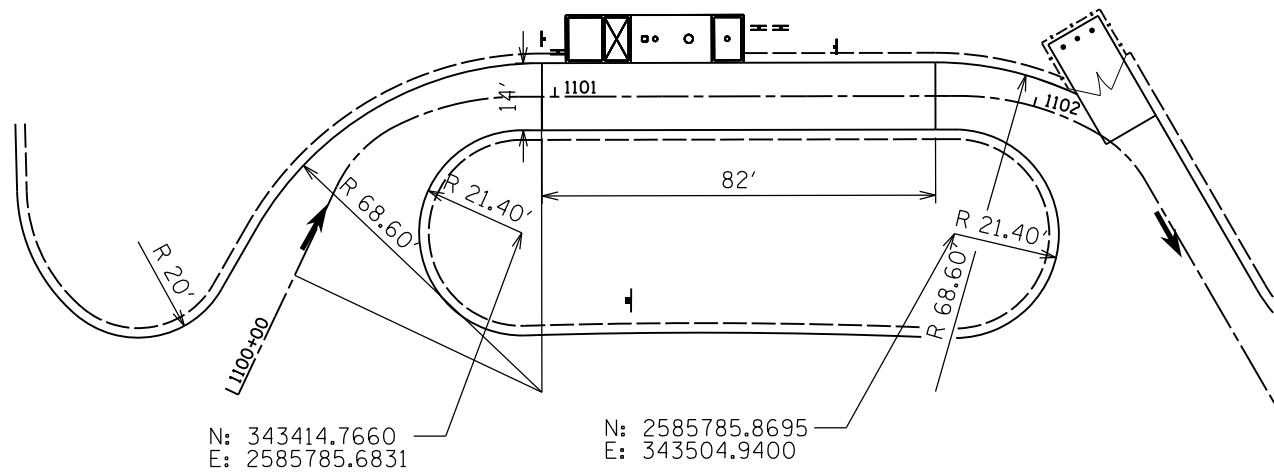
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

VISITOR'S CENTER PARKING LOT  
GIANT CITY STATE PARK

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PARK ROADS 2017-03	JACKSON	59	35
			CONTRACT NO. 46419	
ILLINOIS FED. AID PROJECT				

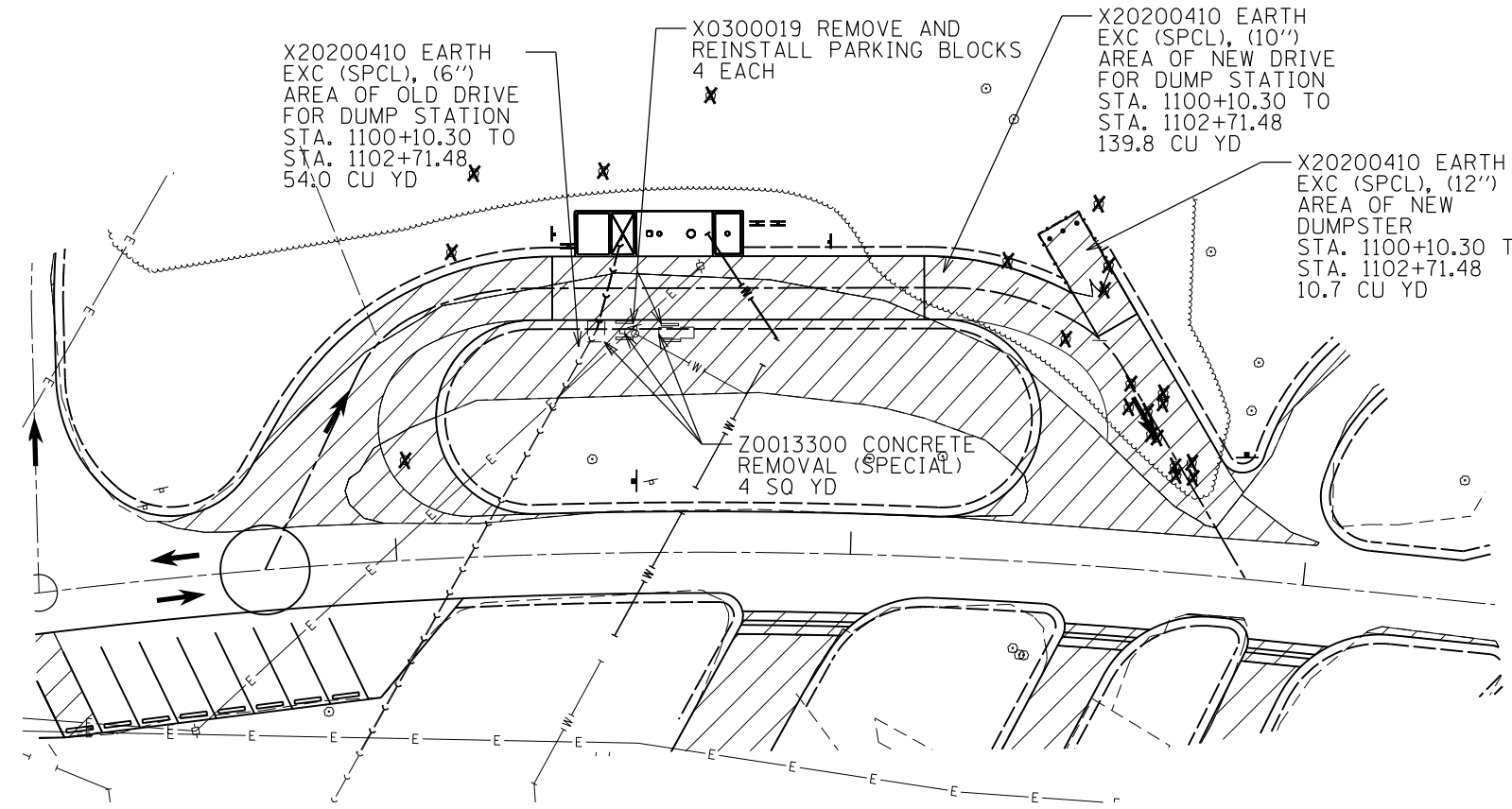
JOB NO. 250-141-E VASCONCELLES ENGINEERING CORP. DESIGN FIRM REGISTRATION NUMBER 184-002107



N: 343414.7660  
E: 2585785.6831

N: 2585785.8695  
E: 343504.9400

LAYOUT - PLAN VIEW



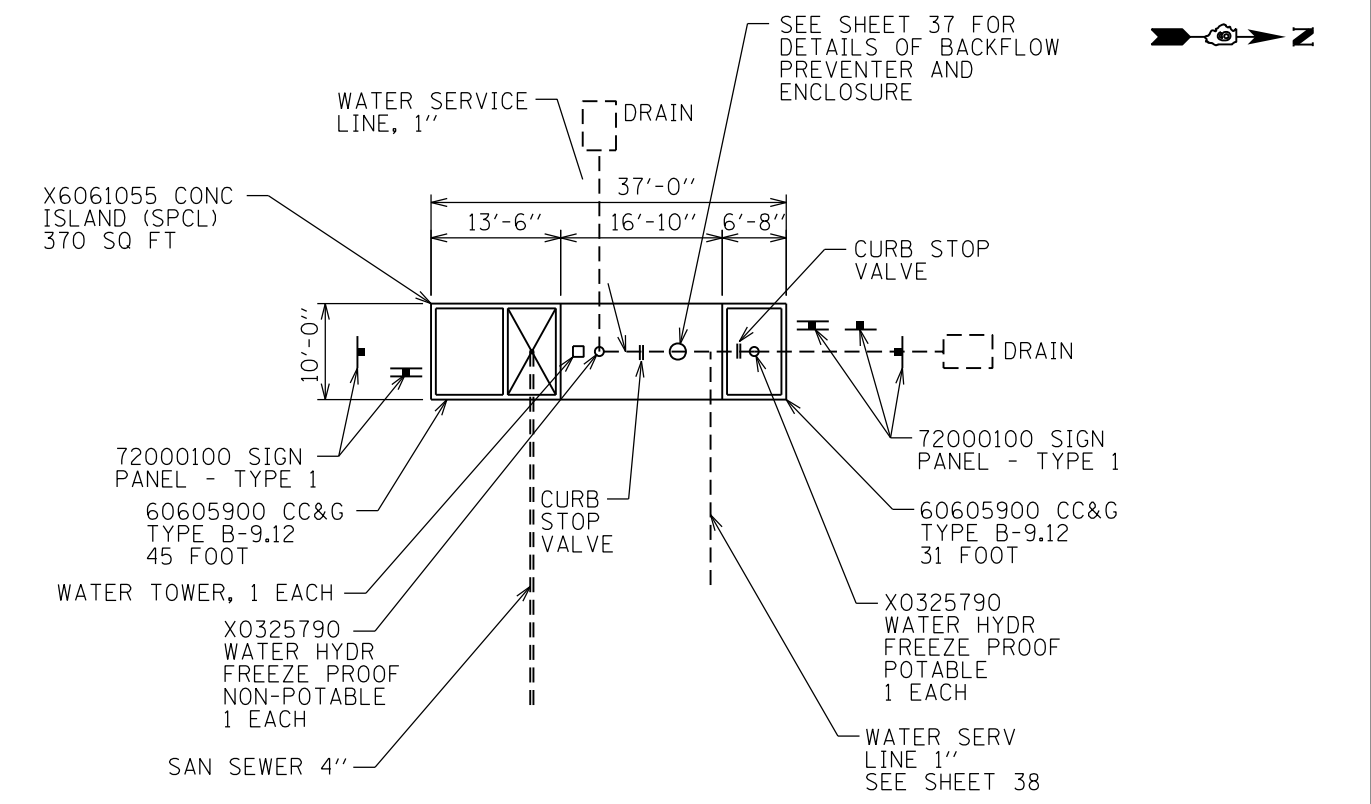
REMOVALS - PLAN VIEW

**LEGEND**

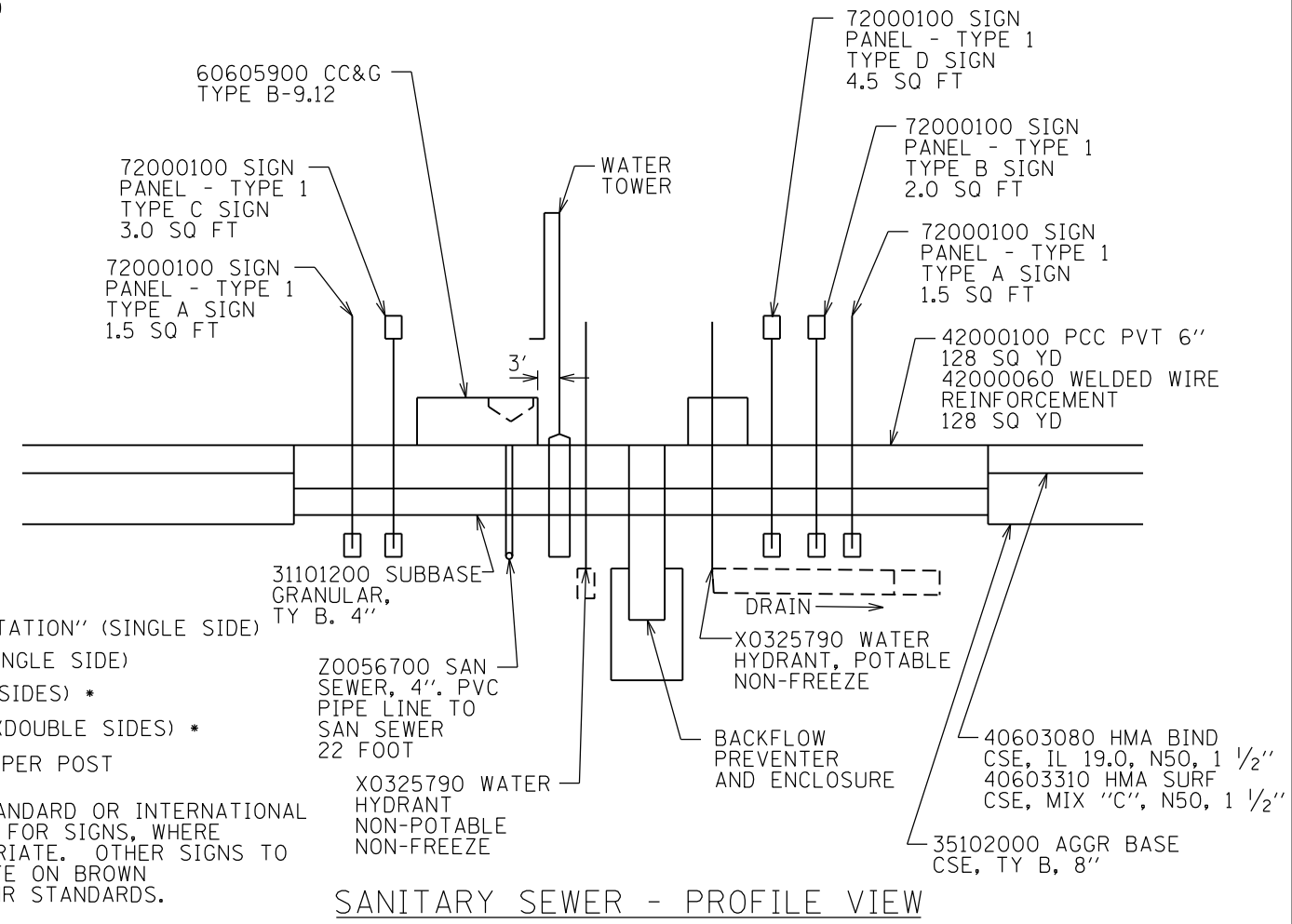
REMOVALS

\*\*TRAILERS HOLDING TANK DISPOSAL INSTRUCTIONS - CONNECT YOUR HOSE TO HOLDING TANK. PLACE END SECURELY IN DRAIN HATCH WHILE HOLDING COVER OPEN WITH FOOT. OPEN TRAILER WASTE VALVE. FLUSH AWAY ANY SPILLAGE ON CONCRETE INTO DRAIN.

- SIGNAGE**
- (A) "SANITARY DUMP STATION" (SINGLE SIDE)
  - \*\* (B) "INSTRUCTIONS" (SINGLE SIDE)
  - (C) "DANGER" (DOUBLE SIDES) \*
  - (D) "DRINKING WATER" (DOUBLE SIDES) \*
- \* TWO SIGNS PER POST
- (A) 12" X 18" USE STANDARD OR INTERNATIONAL COLORS FOR SIGNS, WHERE APPROPRIATE. OTHER SIGNS TO BE WHITE ON BROWN PER IDNR STANDARDS.
  - (B) 24" X 12"
  - (C) 18" X 12"
  - (D) 18" X 18"



SANITARY SEWER - PLAN VIEW



SANITARY SEWER - PROFILE VIEW

FILE NAME = 46419-sh136-dump-detail.dgn	USER NAME = Connor Bell	DESIGNED - B.T.M.	REVISED -
Default	PLOT SCALE = 40.0000' / in.	DRAWN - S.D.K.	REVISED -
	PLOT DATE = 3/29/2017	CHECKED - R.H.D.	REVISED -
		DATE - 3/6/17	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

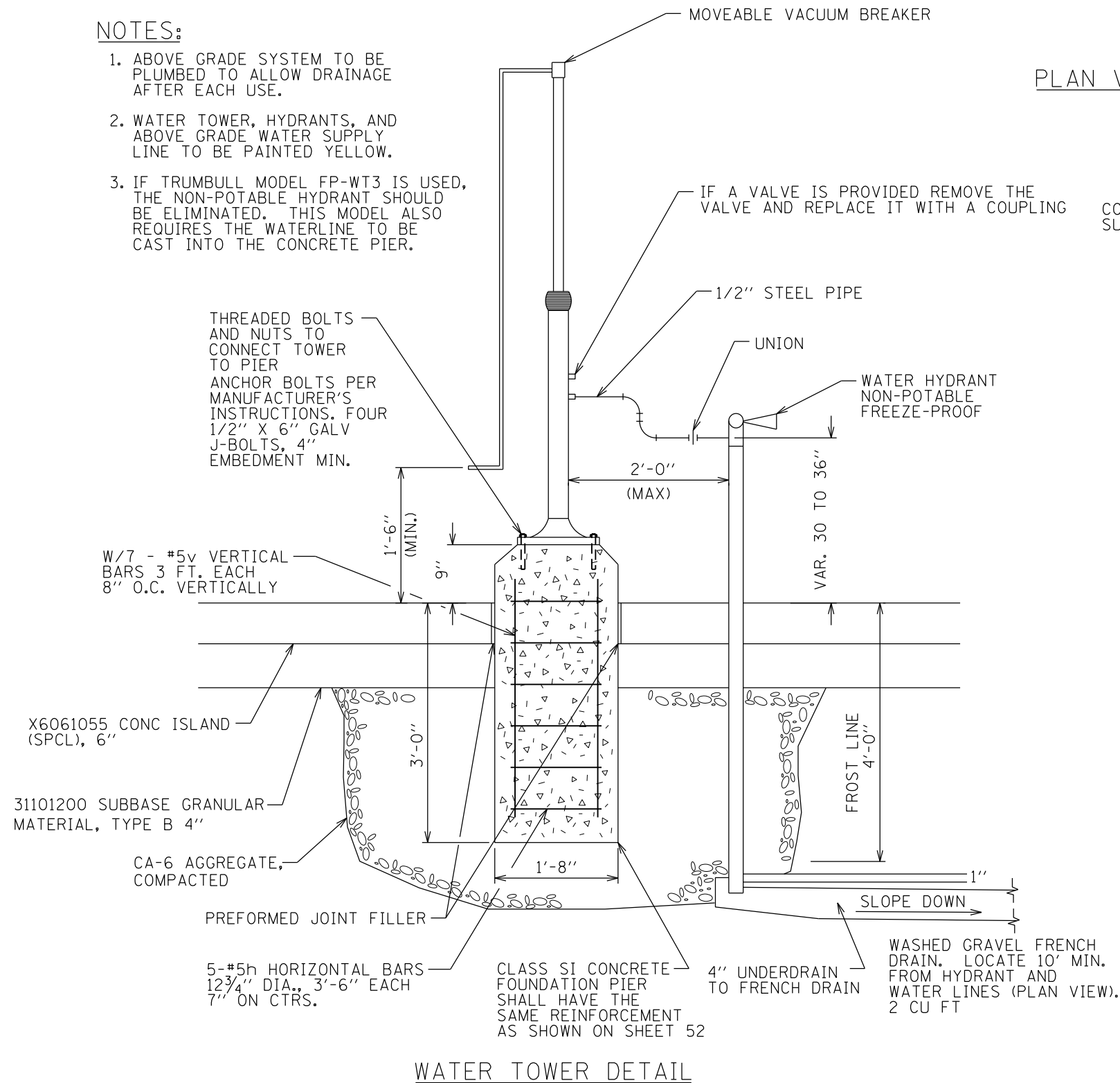
DUMP STATION DETAILS GIANT CITY STATE PARK		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SCALE: NTS	SHEET 1 OF 4 SHEETS	STA.	PARK ROADS 2017-03	JACKSON	59	36
		TO STA.	CONTRACT NO. 46419			

ILLINOIS FED. AID PROJECT	
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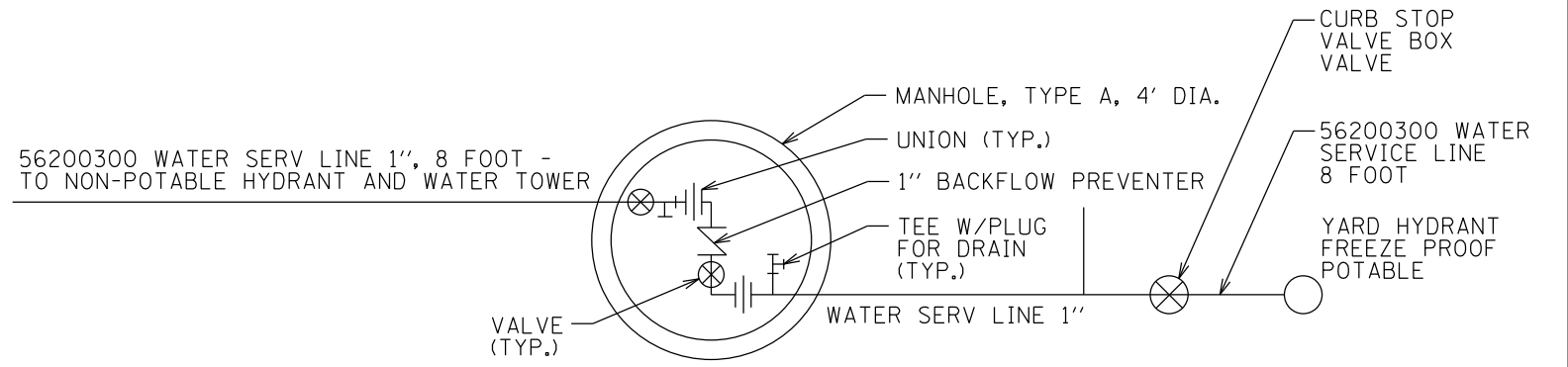
JOB NO. 250-141-F VASCONCELLES ENGINEERING CORP. DESIGN FIRM REGISTRATION NUMBER 184-002107

**NOTES:**

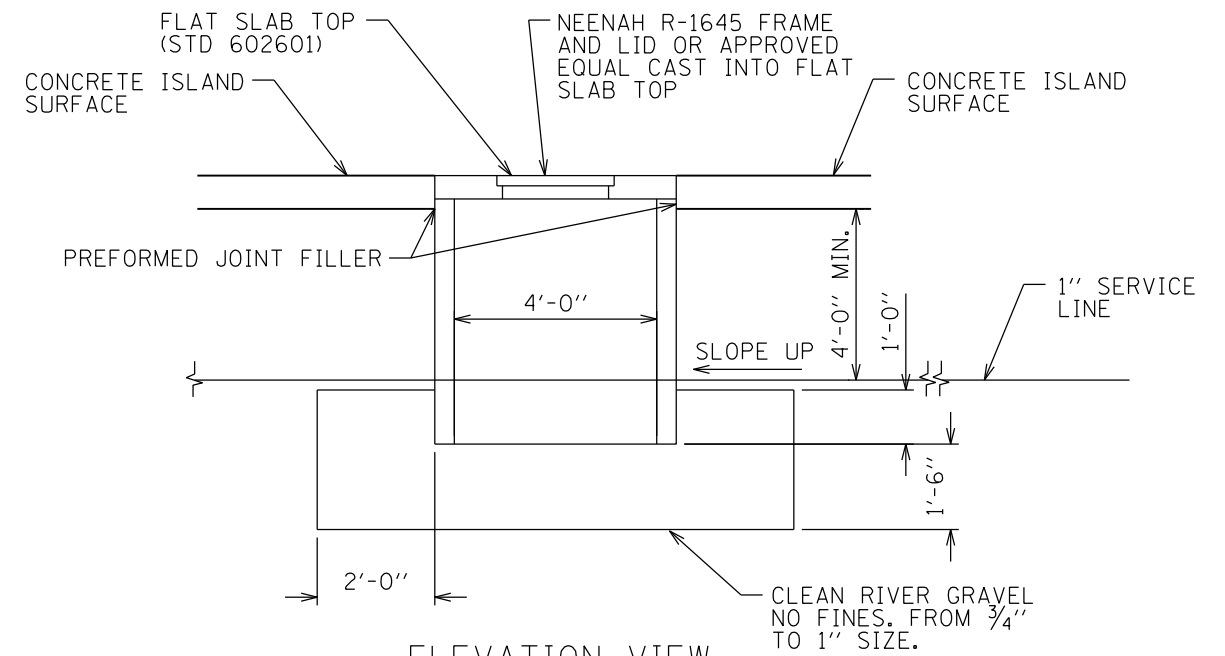
1. ABOVE GRADE SYSTEM TO BE PLUMBED TO ALLOW DRAINAGE AFTER EACH USE.
2. WATER TOWER, HYDRANTS, AND ABOVE GRADE WATER SUPPLY LINE TO BE PAINTED YELLOW.
3. IF TRUMBULL MODEL FP-WT3 IS USED, THE NON-POTABLE HYDRANT SHOULD BE ELIMINATED. THIS MODEL ALSO REQUIRES THE WATERLINE TO BE CAST INTO THE CONCRETE PIER.



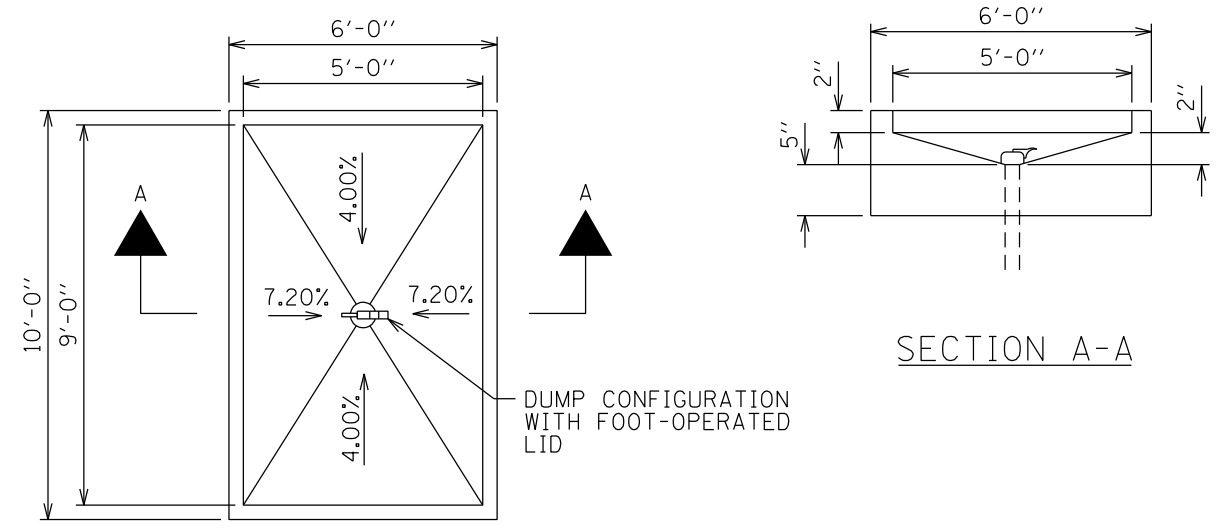
**WATER TOWER DETAIL**



**PLAN VIEW X0325777 BACKFLOW PREVENTER AND ENCLOSURE - 1 EACH**



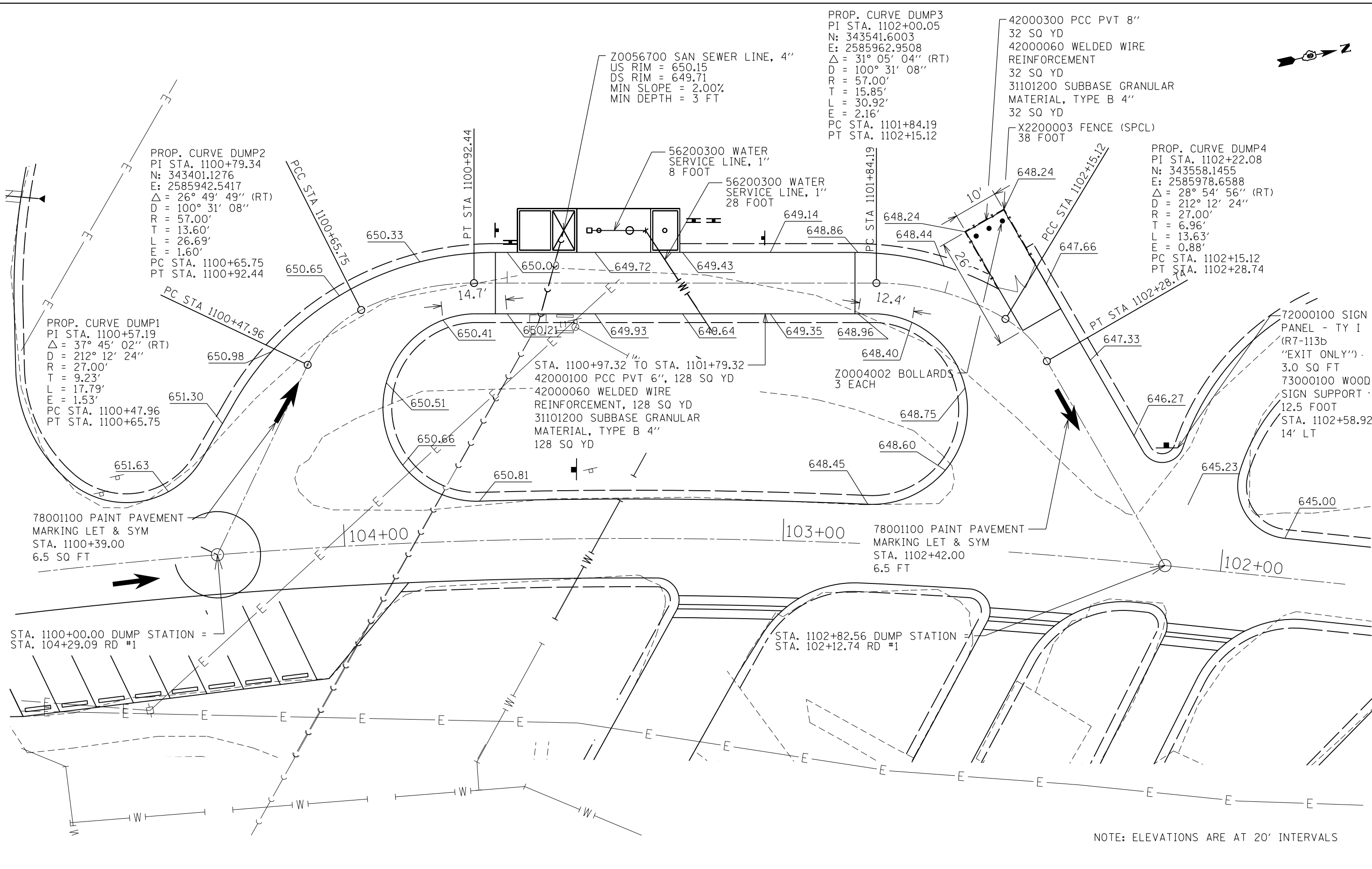
**ELEVATION VIEW BACKFLOW PREVENTER MANHOLE**



**DUMP STATION DETAIL**

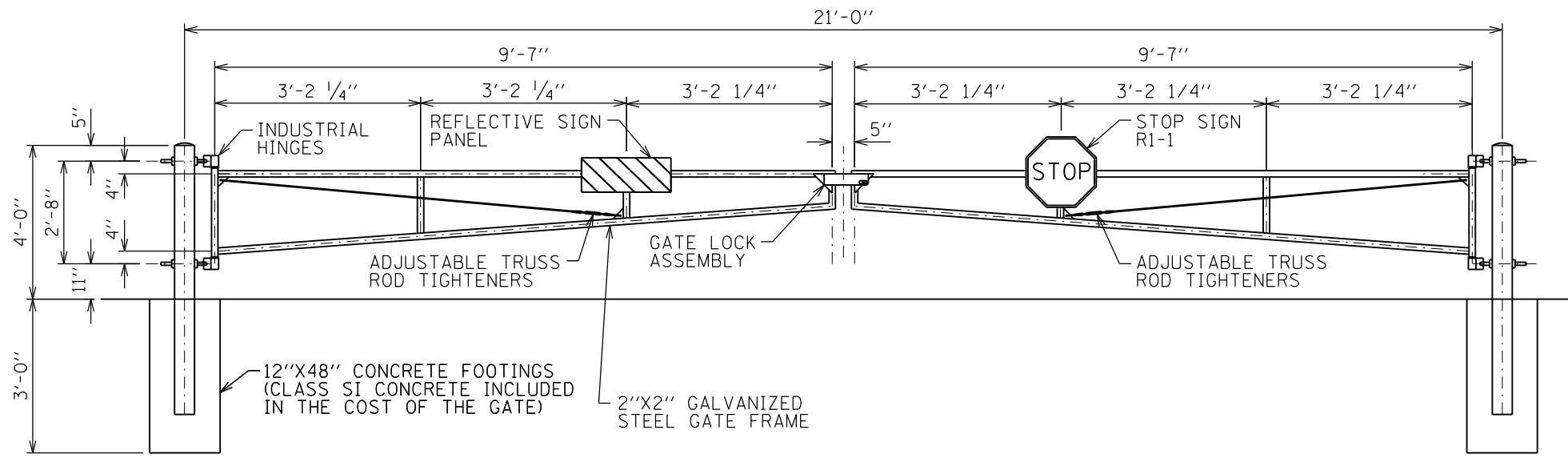
FILE NAME = 46419-sh-t37-dump-detail.dgn	USER NAME = Connor Bell	DESIGNED - B.T.M.	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DUMP STATION DETAILS GIANT CITY STATE PARK</b>		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default	PLOT SCALE = 40.0000' / in.	DRAWN - S.D.K.	REVISED -		SCALE: NTS	SHEET 2 OF 4 SHEETS	STA.	PARK ROADS 2017-03	JACKSON	59	37
	PLOT DATE = 3/29/2017	CHECKED - R.H.D.	REVISED -				TO STA.	CONTRACT NO. 46419		ILLINOIS FED. AID PROJECT	
		DATE - 3/6/17	REVISED -								

JOB NO. 250-141-F VASCONCELLES ENGINEERING CORP. DESIGN FIRM REGISTRATION NUMBER 184-002107

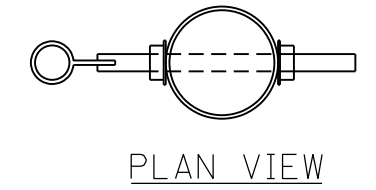


FILE NAME = 46419-sh138-dump-detail.dgn	USER NAME = Connor Bell	DESIGNED - B.T.M.	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DUMP STATION DETAILS GIANT CITY STATE PARK</b>			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Default	PLOT SCALE = 20.0000' / in.	DRAWN - S.D.K.	REVISED -		SCALE: 1" = 10'	SHEET 3	OF 4 SHEETS	STA.	TO STA.	PARK ROADS 2017-03	JACKSON	59	38
	PLOT DATE = 3/29/2017	CHECKED - R.H.D.	REVISED -							CONTRACT NO. 46419			
		DATE - 3/6/17	REVISED -							ILLINOIS FED. AID PROJECT			

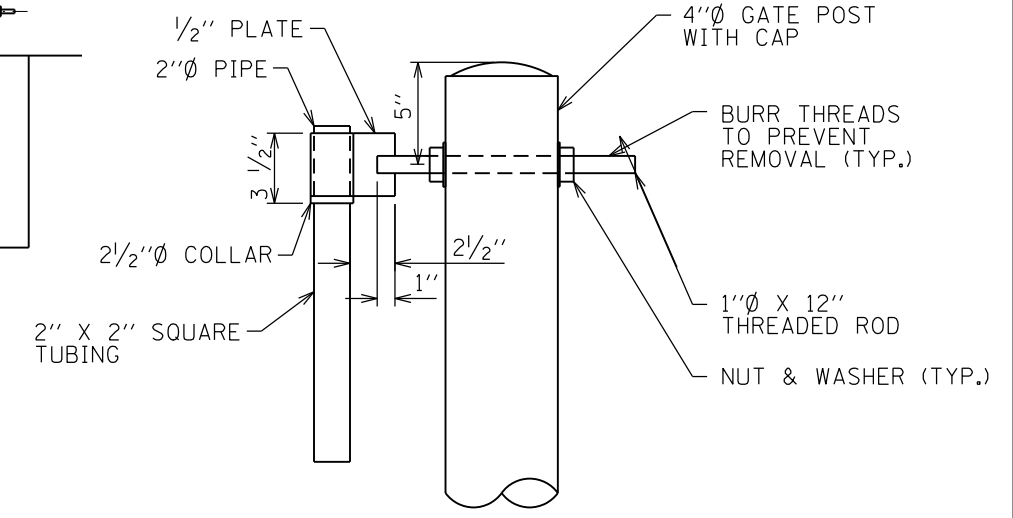
JOB NO. 250-141-F VASCONCELLES ENGINEERING CORP. DESIGN FIRM REGISTRATION NUMBER 184-002107



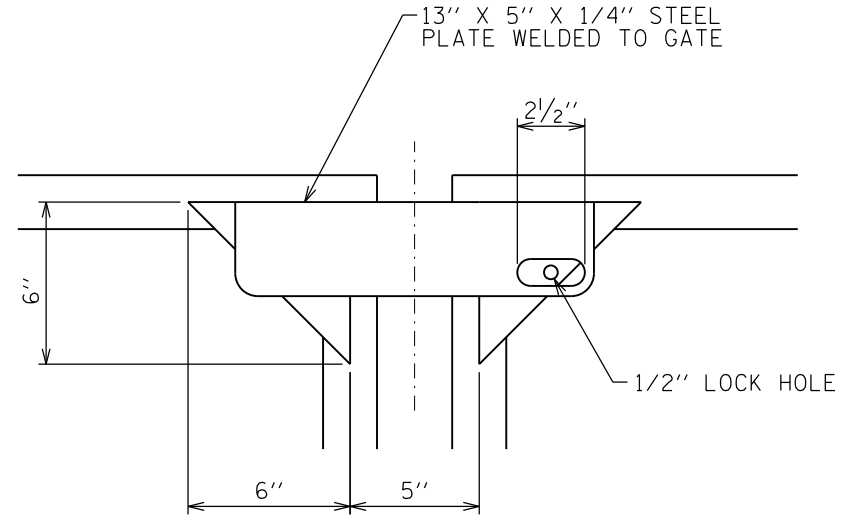
X0323013 TUBULAR STEEL GATE



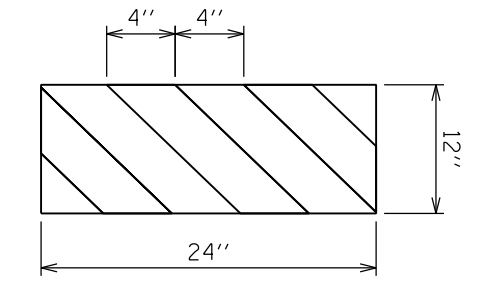
PLAN VIEW



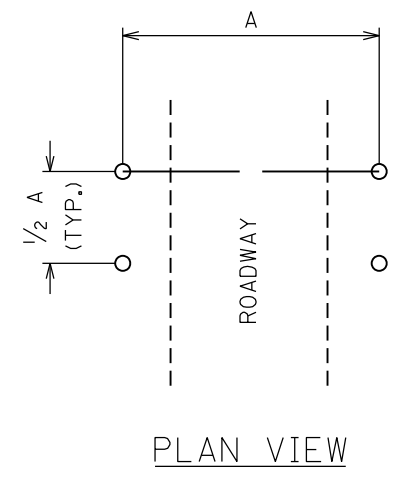
TOP GATE HINGE



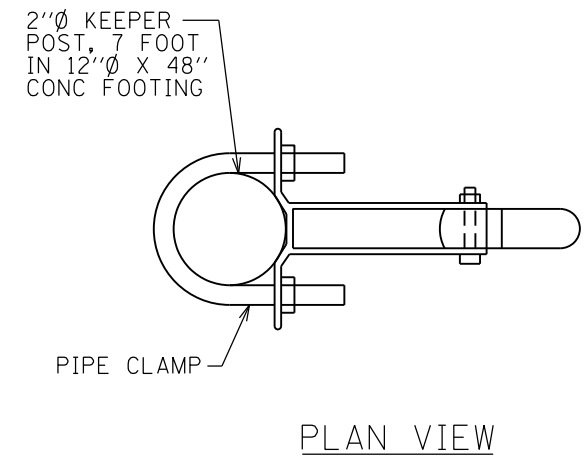
GATE LOCK ASSEMBLY



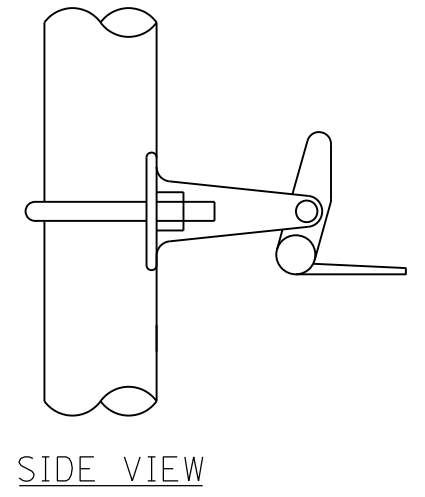
HORIZONTAL PANEL DETAIL



PLAN VIEW

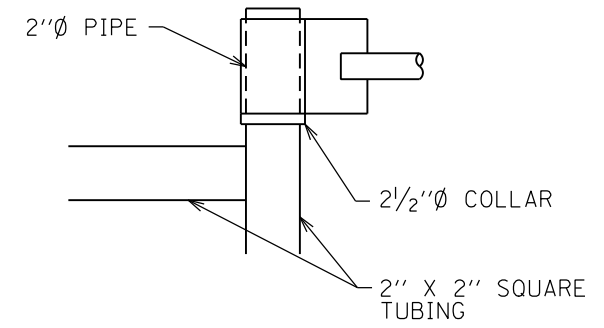


PLAN VIEW

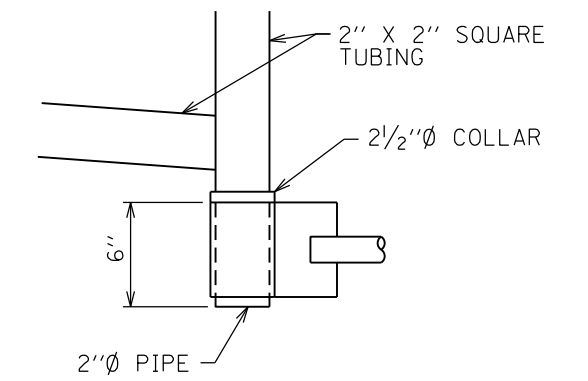


SIDE VIEW

AUTOMATIC GATE KEEPER

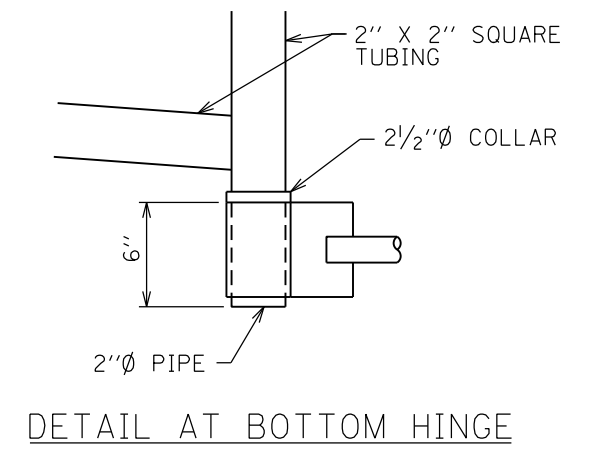
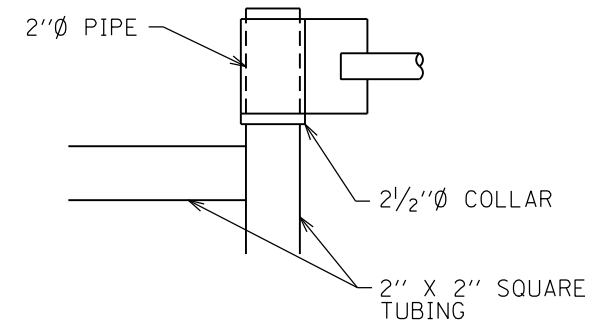
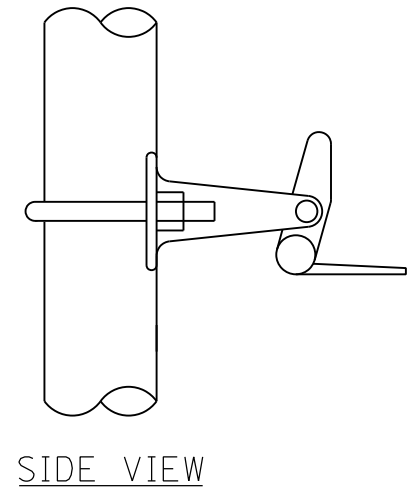
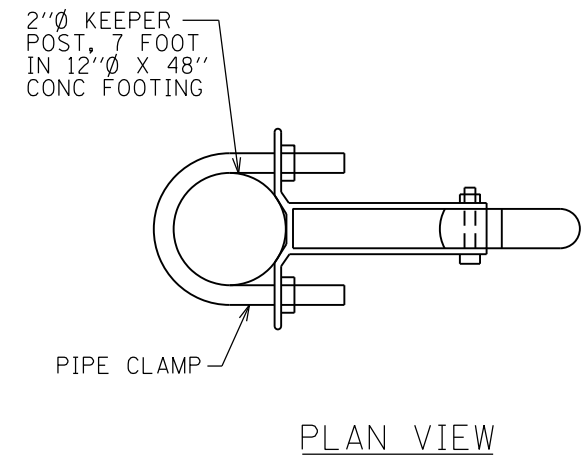
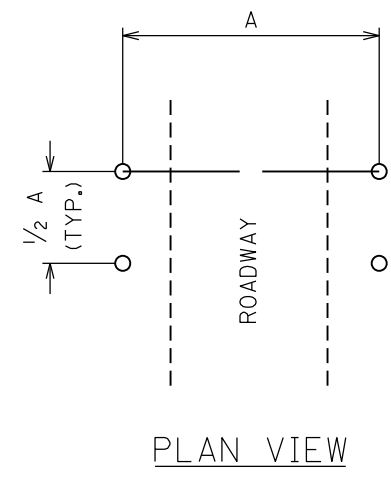
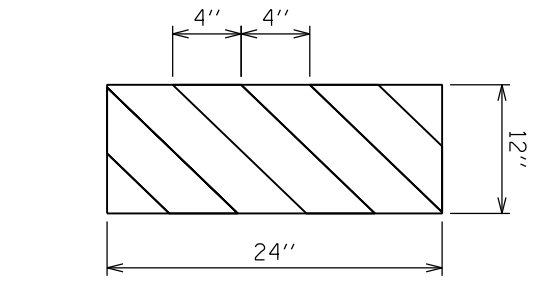
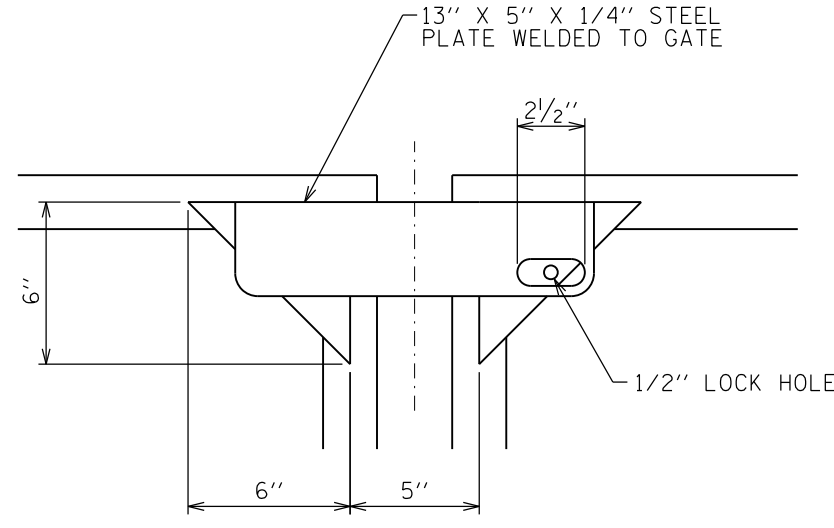
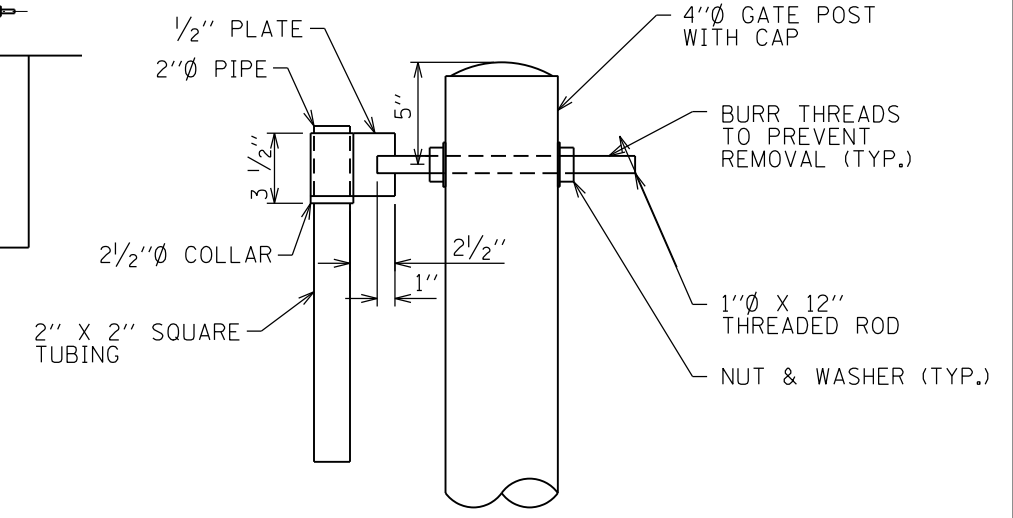
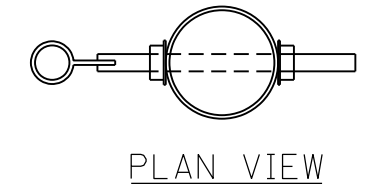
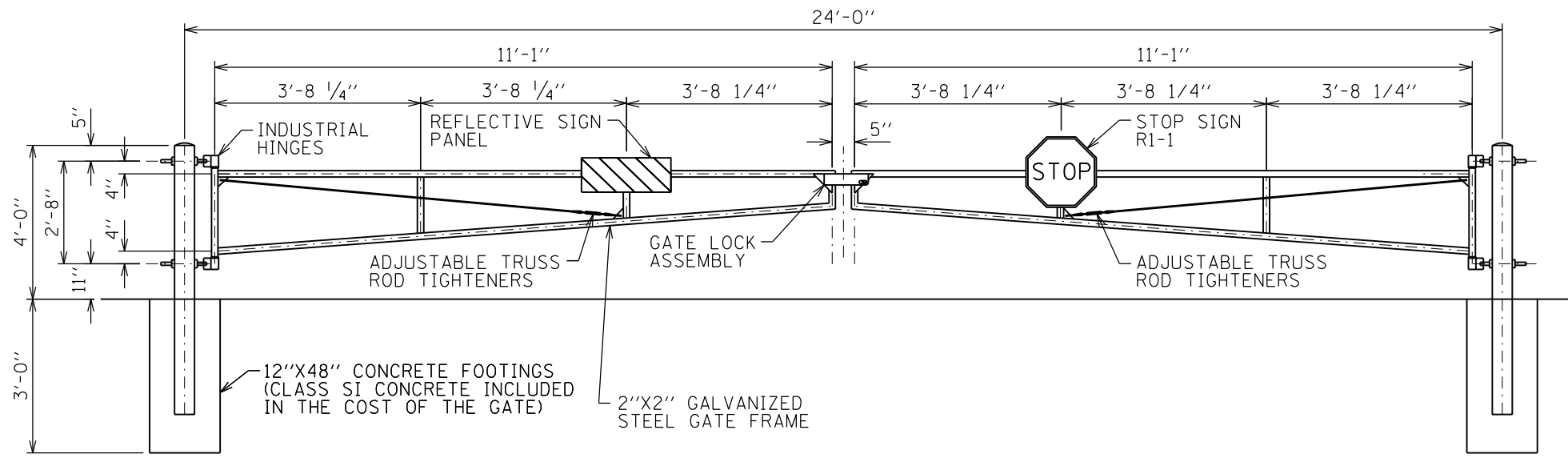


DETAIL AT TOP HINGE



DETAIL AT BOTTOM HINGE

FILE NAME = 46419-sh139-gate-detail.dgn	USER NAME = Connor Bell	DESIGNED - B.T.M.	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>GATE DETAILS, RED CEDAR TRAIL GIANT CITY STATE PARK</b>			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Default	PLOT SCALE = 40.0000' / in.	DRAWN - S.D.K.	REVISED -		SCALE: NTS	SHEET 1	OF 2 SHEETS	STA.	TO STA.	JACKSON	59	39	
	PLOT DATE = 3/29/2017	CHECKED - R.H.D.	REVISED -										
		DATE - 3/6/17	REVISED -										
											CONTRACT NO. 46419		JOB NO. 250-141-F VASCONCELLES ENGINEERING CORP. DESIGN FIRM REGISTRATION NUMBER 184-002107
												ILLINOIS FED. AID PROJECT	



X0323013 TUBULAR STEEL GATE

AUTOMATIC GATE KEEPER

DETAIL AT TOP HINGE

DETAIL AT BOTTOM HINGE

FILE NAME = 46419-sh140-gate-detail.dgn  
Default

USER NAME = Connor Bell  
PLOT SCALE = 40.0000' / in.  
PLOT DATE = 3/29/2017

DESIGNED - B.T.M.  
DRAWN - S.D.K.  
CHECKED - R.H.D.  
DATE - 3/6/17

REVISED -  
REVISED -  
REVISED -  
REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

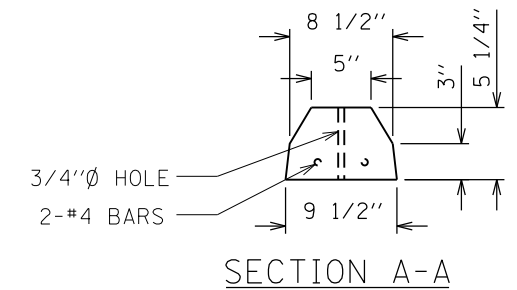
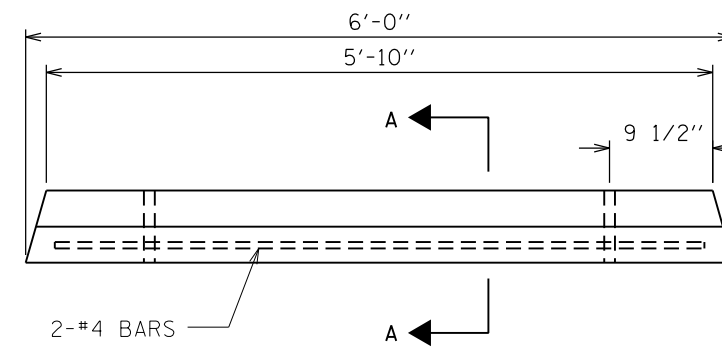
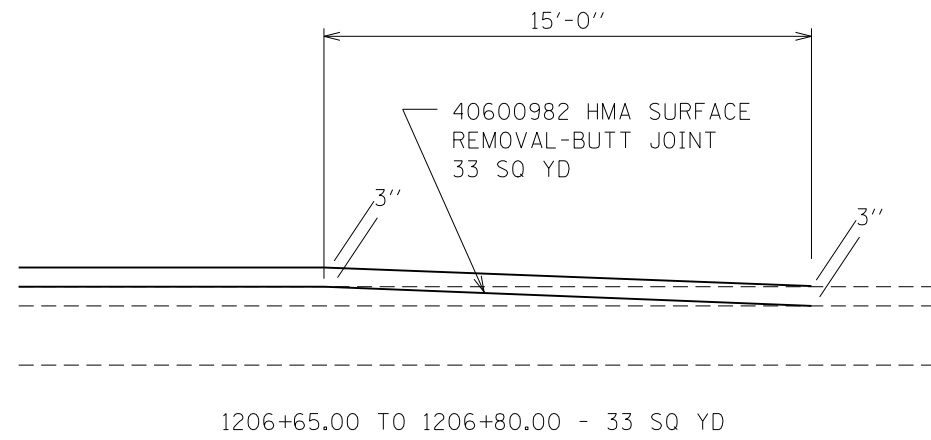
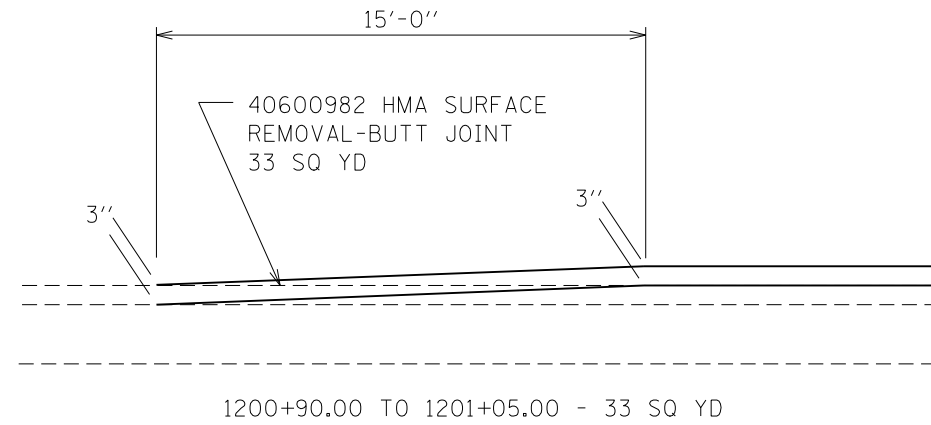
GATE DETAILS, GIANT CITY RD.  
GIANT CITY STATE PARK

SCALE: NTS SHEET 1 OF 2 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PARK ROADS 2017-03	JACKSON	59	40
			CONTRACT NO. 46419	
ILLINOIS FED. AID PROJECT				

JOB NO. 250-141-F VASCONCELLES ENGINEERING CORP. DESIGN FIRM REGISTRATION NUMBER 184-002107





PARKING BLOCK DETAIL

FILE NAME = 46419-sht41-butt-detail.dgn	USER NAME = Connor Bell	DESIGNED - B.T.M.	REVISED -
Default	PLOT SCALE = 20.0000' / in.	DRAWN - S.D.K.	REVISED -
	PLOT DATE = 3/29/2017	CHECKED - R.H.D.	REVISED -
		DATE - 3/6/17	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

BUTT JOINT & PARKING BLOCK DETAILS  
GIANT CITY STATE PARK

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PARK ROADS 2017-03	JACKSON	59	41
ILLINOIS FED. AID PROJECT			CONTRACT NO. 46419	

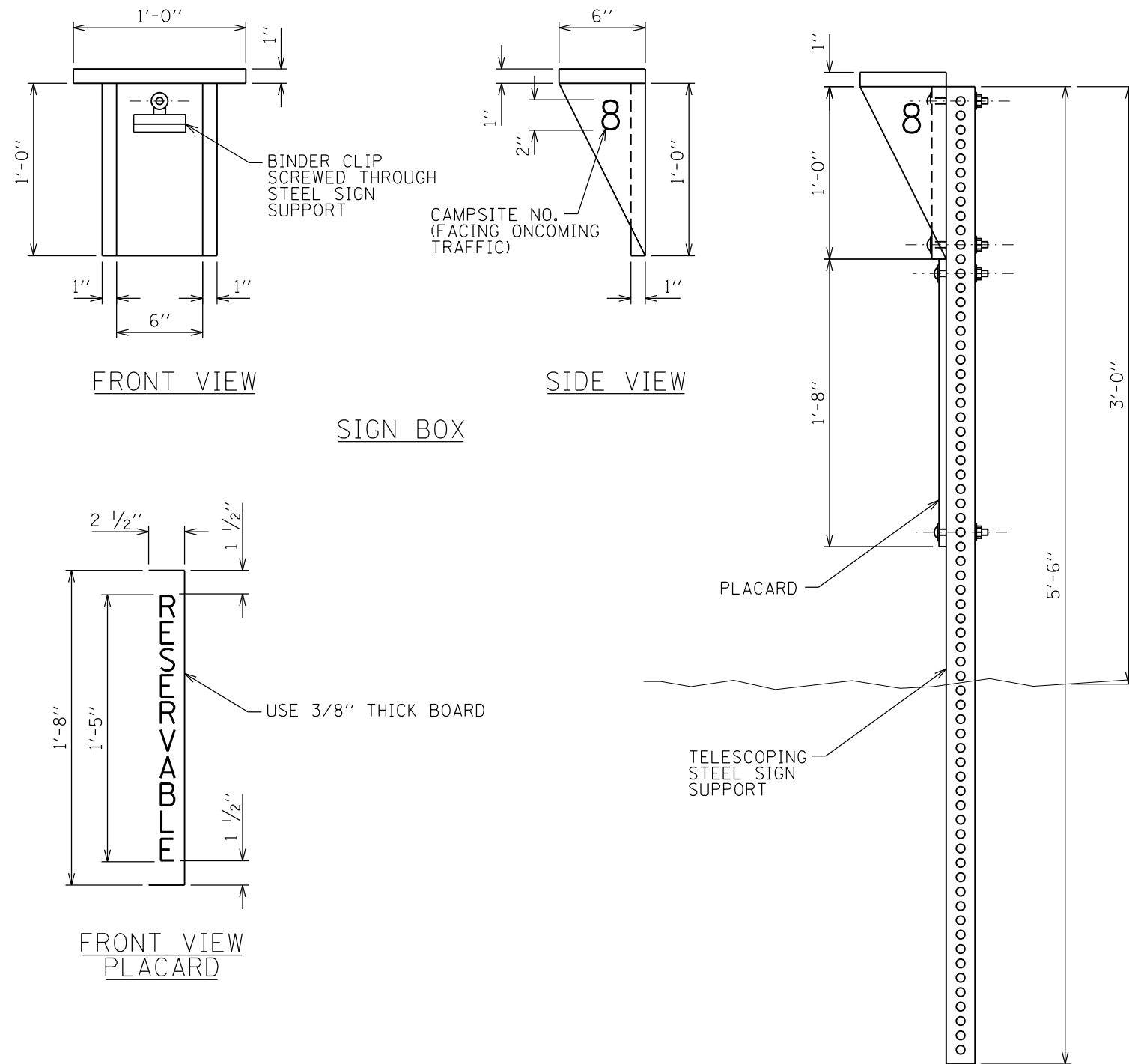
FIBERGLASS REINFORCED RECYCLED PLASTIC LUMBER MATERIALS LIST:

ALL ITEMS TO BE BROWN IN COLOR

ITEM	LENGTH	QUAN.
1" X 6"	3'-0"	84 EA.
3/8" X 2 1/2"	1'-8"	84 EA.

GENERAL NOTES:

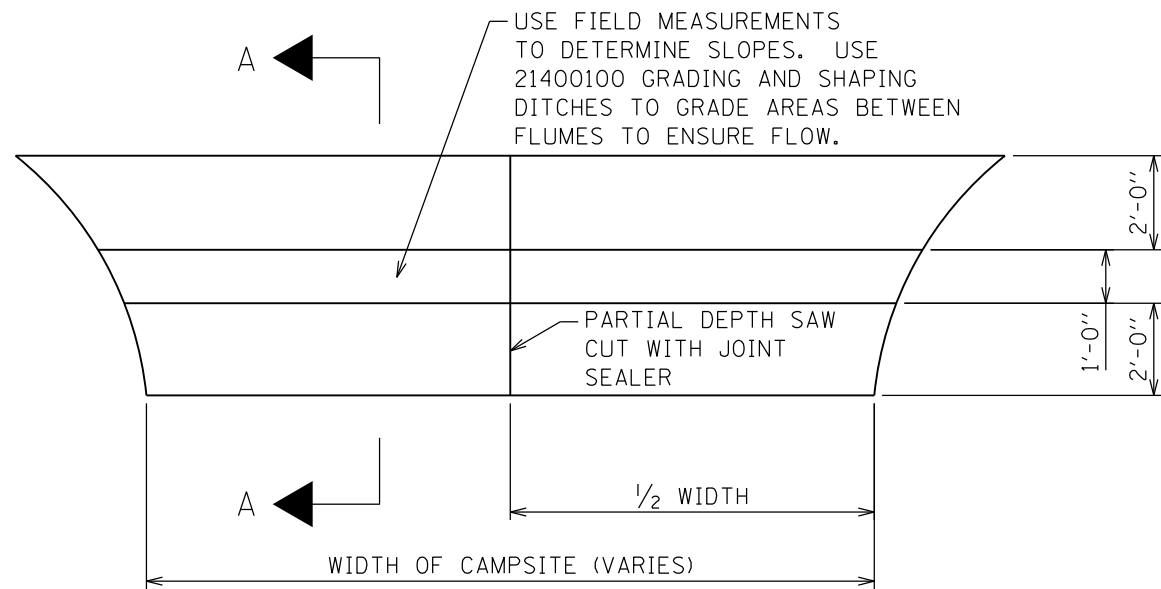
1. ALL LUMBER IS FIBERGLASS REINFORCED RECYCLED PLASTIC, BROWN IN COLOR WITH A WHITE CORE. SUBMIT SAMPLES TO IDNR PROJECT MANAGER FOR COLOR SELECTION PRIOR TO FABRICATION.
2. ALL LETTERING IS TO BE HELVETICA MEDIUM W/UPPER AND LOWER CASE LETTERS. LETTERS ARE TO BE ENGRAVED WITH A COMPUTER OR TEMPLATE DRIVER ROUTER SYSTEM.



X2600016 MINOR SIGN COMPLETE

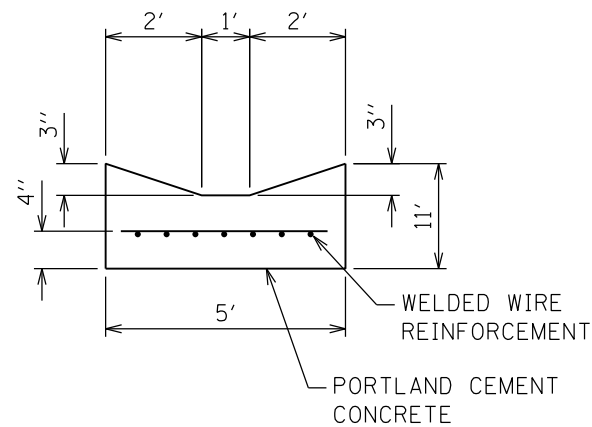
PLACARD AND BOX TO BE BOLTED ONTO SIGN POST. COST FOR SIGN POST AND BASE ARE INCLUDED IN THE COST FOR "MINOR SIGN COMPLETE".

FILE NAME = 46419-sht42-sign-detail.dgn	USER NAME = Connor Bell	DESIGNED - B.T.M.	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>MINOR SIGN COMPLETE DETAILS GIANT CITY STATE PARK</b>			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default	PLOT SCALE = 20.0000' / in.	DRAWN - S.D.K.	REVISED -					PARK ROADS 2017-03	JACKSON	59	42	
	PLOT DATE = 3/29/2017	CHECKED - R.H.D.	REVISED -		CONTRACT NO. 46419							
		DATE - 3/6/17	REVISED -		SCALE: NTS	SHEET 1 OF 1 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT			

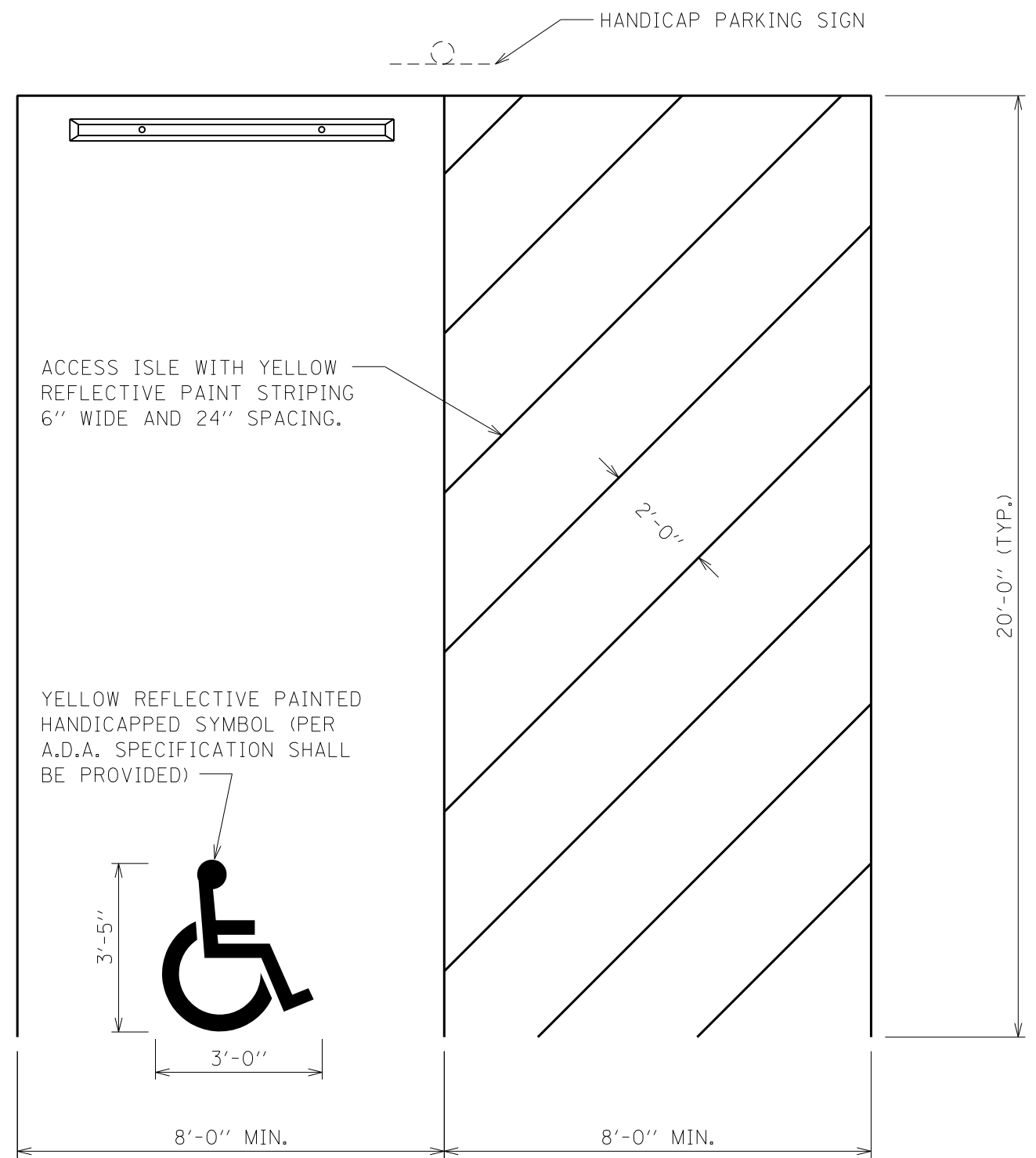


**60617800 PAVED FLUME (PLAN VIEW)**

PARTIAL DEPTH SAW CUT SHALL EXTEND DOWN 2" INTO NEW CONCRETE. THE CUT WILL THEN BE FILLED WITH JOINT SEALER. FOR THIS AND OTHER DETAILS, SEE SECTION 420 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.



**SECTION A-A**



**HANDICAP PARKING SPACE DETAIL**

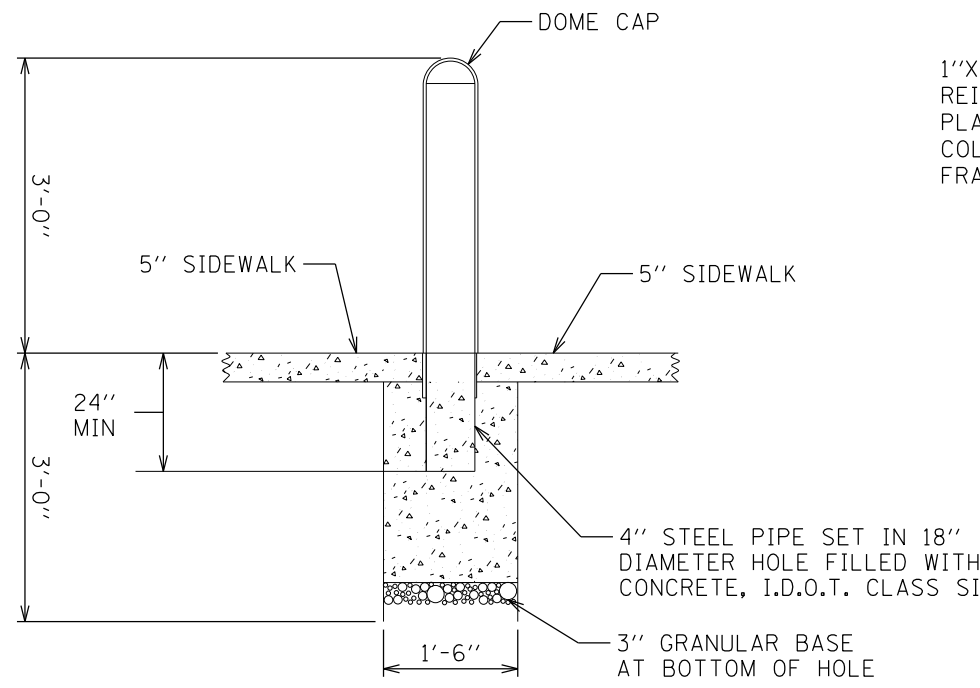
FILE NAME = 46419-sht43-flume-detail.dgn	USER NAME = Connor Bell	DESIGNED - B.T.M.	REVISED -
Default	PLOT SCALE = 20.0000' / in.	DRAWN - S.D.K.	REVISED -
	PLOT DATE = 3/29/2017	CHECKED - R.H.D.	REVISED -
		DATE - 3/6/17	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

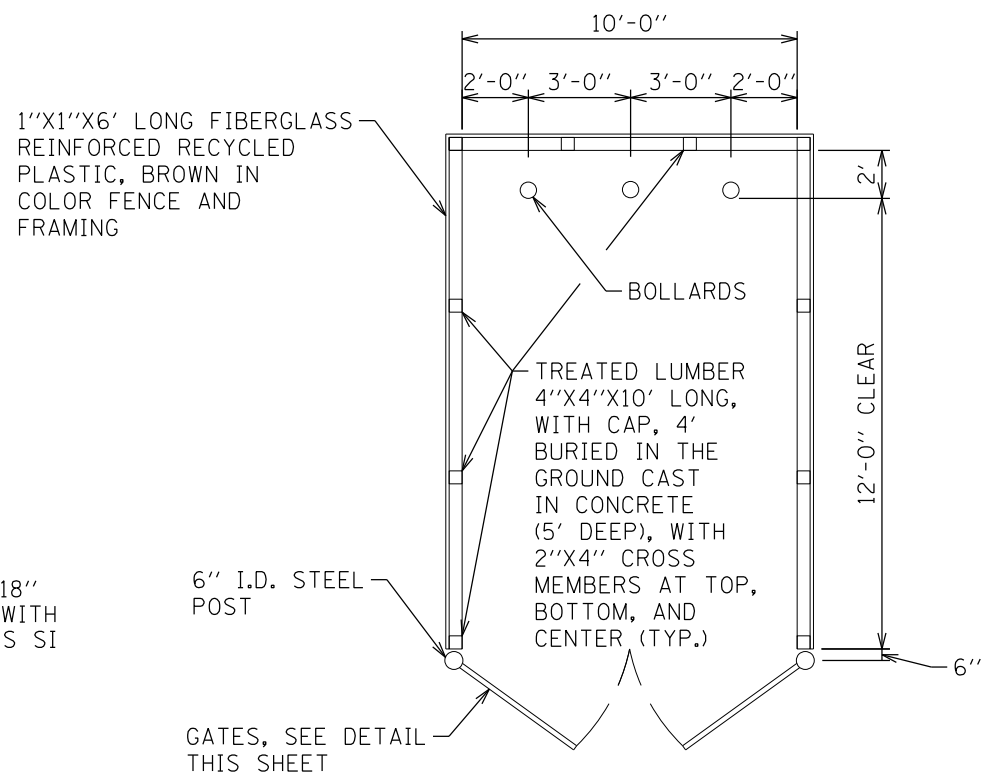
**PAVED FLUME & HANDICAP PARKING DETAILS  
GIANT CITY STATE PARK**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PARK ROADS 2017-03	JACKSON	59	43
			CONTRACT NO. 46419	
ILLINOIS FED. AID PROJECT				

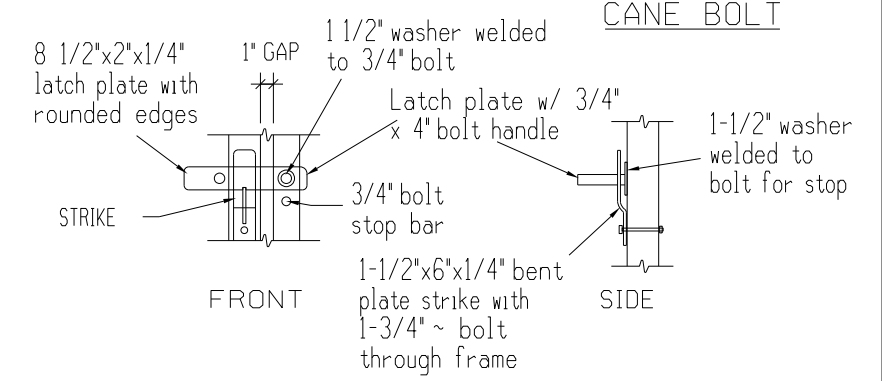
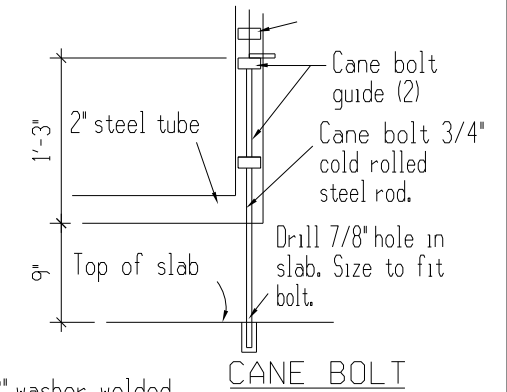


Z0004002 BOLLARD DETAIL



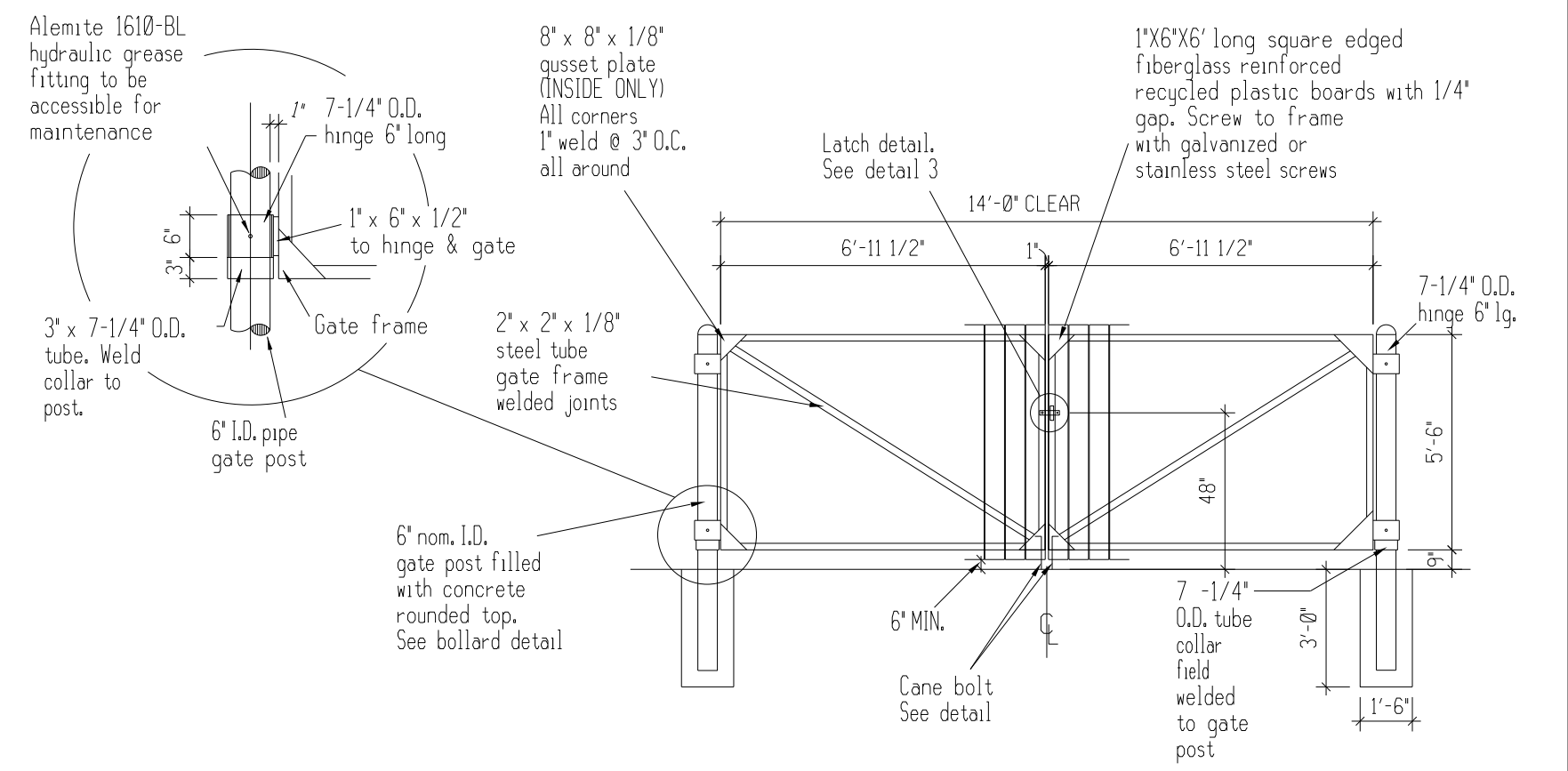
X2200003 FENCE (SPECIAL)

NOTE:  
MOUNT CANE BOLT AND  
GATE LATCH ASSEMBLIES  
THROUGH FACE BOARDS  
INTO STEEL FRAME



DOUBLE GATE LATCH

GATE LATCH/BOLT DETAIL



GATE DETAIL FOR DUMPSTER ENCLOSURE

FILE NAME = 46419-sht44-fence-detail.dgn	USER NAME = Connor Bell	DESIGNED - B.T.M.	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>FENCE (SPECIAL) DETAILS GIANT CITY STATE PARK</b>			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Default	PLOT SCALE = 20.0000' / in.	CHECKED - R.H.D.	REVISED -		SCALE: NTS	SHEET 1	OF 1 SHEETS	STA.	TO STA.	PARK ROADS 2017-03	JACKSON	59	44
	PLOT DATE = 3/29/2017	DATE - 3/6/17	REVISED -		CONTRACT NO. 46419								
					ILLINOIS FED. AID PROJECT								

JOB NO. 250-141-F VASCONCELLES ENGINEERING CORP. DESIGN FIRM REGISTRATION NUMBER 184-002107

**GENERAL NOTES**

- NO POLE TO BE INSTALLED IN THE FLOWLINE OF DITCH. POLE SETBACK TO BE ADJUSTED IF NECESSARY AS DIRECTED BY THE ENGINEER.

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
				ROADWAY
				0001 S.N.
81028750	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 2" DIA.	FOOT	145	145
81400100	HANDHOLE	EACH	2	2
81603010	UNIT DUCT, 600V, 2-1C NO. 10, 1/C NO. 10 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE	FOOT	625	625
81603032	UNIT DUCT, 600V, 2-1C NO. 4, 1/C NO. 6 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	1580	1580
81702110	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	3225	3225
81702140	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 4	FOOT	45	45
83600352	LIGHT POLE FOUNDATION, METAL, 11 1/2" BOLT CIRCLE, 8 5/8" X 6"	EACH	7	7
84200600	REMOVAL OF LIGHTING UNIT, NO SALVAGE	EACH	6	6
89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	7705	7705
X0326498	GFCI 20 AMP DUPLEX RECEPTACLE	EACH	1	1
	DISCONNECT SWITCH	EACH	7	7
	LIGHT POLE, SPECIAL, 20'	EACH	7	7
	LUMINAIRE, LED, HORIZONTAL MOUNT, VERY LOW WATTAGE	EACH	7	7

**HIGHWAY STANDARDS**





- 814001-03 HANDHOLES
- 821101-02 LUMINAIRE WIRING IN POLE
- 830001-03 LIGHT POLE ALUMINUM MAST ARM
- 836001-02 LIGHT POLE FOUNDATION

**INDEX OF SHEETS**

- L-1 GENERAL NOTES, SCHEDULES, AND INDEX OF SHEETS
- L-2 EXISTING LIGHTING REMOVAL PLAN
- L-3 EXISTING LIGHTING REMOVAL PLAN
- L-4 PROPOSED LIGHTING PLAN
- L-5 PROPOSED LIGHTING PLAN
- L-6 PROPOSED LIGHTING PLAN
- L-7 PROPOSED LIGHTING PLAN
- L-8 WIRING DIAGRAMS
- L-9 ELECTRICAL DETAILS
- L-10 ELECTRICAL DETAILS
- L-11 ELECTRICAL DETAILS
- L-12 LIGHT POLE ALUMINUM DETAIL (SHEET 1 OF 2)
- L-13 LIGHT POLE ALUMINUM DETAIL (SHEET 2 OF 2)
- L-14 RODENT SHIELD FOR ALUMINUM POLE

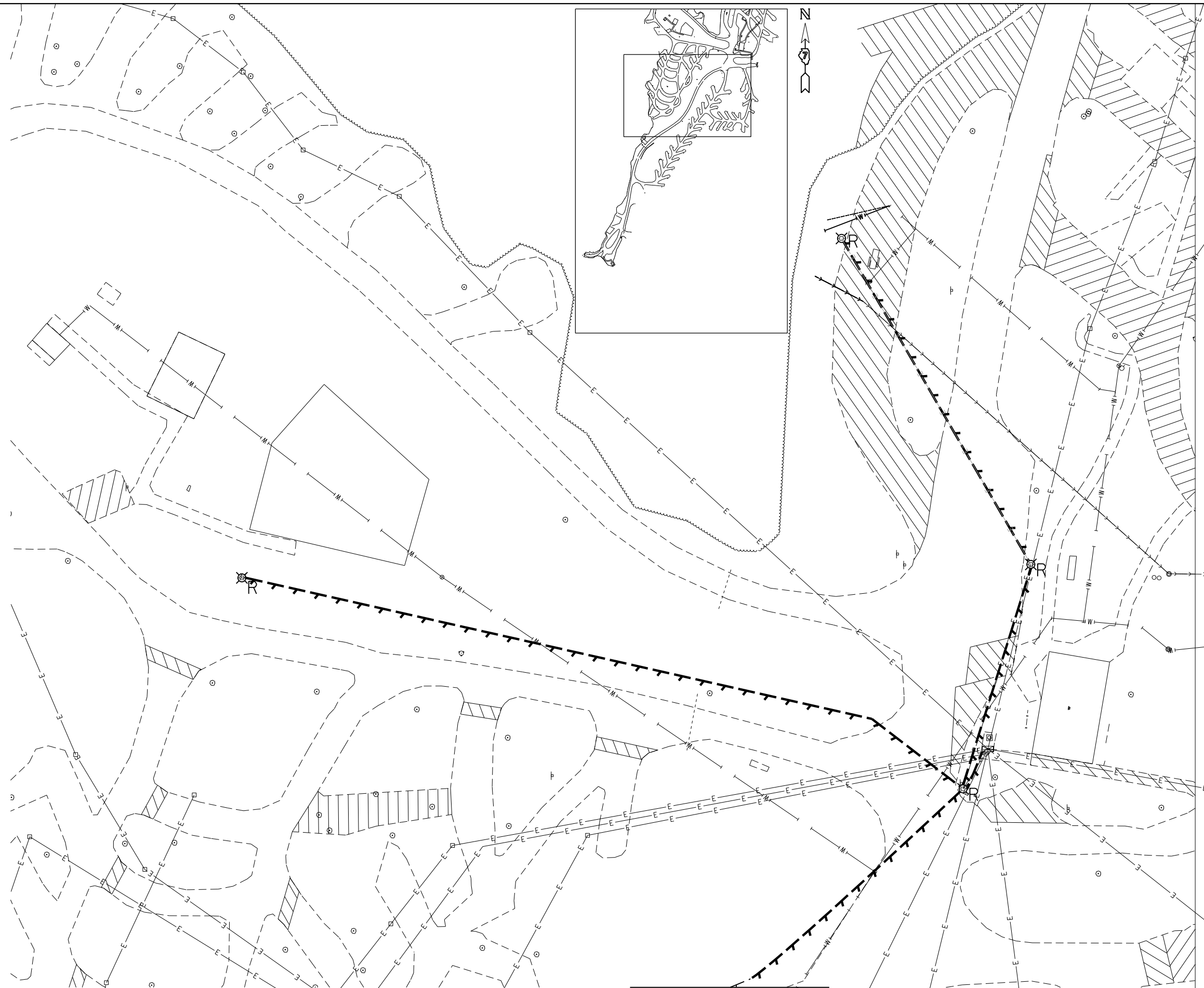
FILE NAME =	USER NAME = Connor Bell	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>GENERAL NOTES, SCHEDULES, AND INDEX OF SHEETS GIANT CITY STATE PARK</b>	F.A. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S:\CAD Drawings\CAD Drawings\CAD Drawings\250\250-141\250-141-F Giant City\46419-shd-DRAWN-over.dgn		CHECKED -	REVISED -			PARK ROADS 2017-03	JACKSON	57	45	
Default	PLOT SCALE = 40.0000' / in.	DATE -	REVISED -			CONTRACT NO. 46419		ILLINOIS FED. AID PROJECT		
	PLOT DATE = 4/4/2017					SCALE:	SHEET OF SHEETS	STA.	TO STA.	

**LIGHTING LEGEND**

-  EXISTING LIGHTING UNIT TO BE REMOVED
-  EXISTING CABLE TO BE REMOVED AND ABANDON CONDUIT IN PLACE (SEE NOTES 1 & 3)
-  EXISTING ELECTRICAL PANEL TO REMAIN IN PLACE
-  EXISTING ELECTRIC CABLE

**NOTES**

1. THE CONTRACTOR SHALL FIELD VERIFY EXISTING LOCATION OF CABLE AND CONDUIT.



SEE SHEET L-3 FOR CONTINUATION

FILE NAME =	USER NAME = Connor Bell	DESIGNED -	REVISED -
S:\CAD Drawings\CAD Drawings\CAD Drawings\250\250-141\250-141-F Grant City\46419-shd	6DRAWN	6DRAWN	6DRAWN
Default	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 4/4/2017	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EXISTING LIGHT REMOVAL PLAN  
GIANT CITY STATE PARK**

SCALE: SHEET OF SHEETS STA. TO STA.

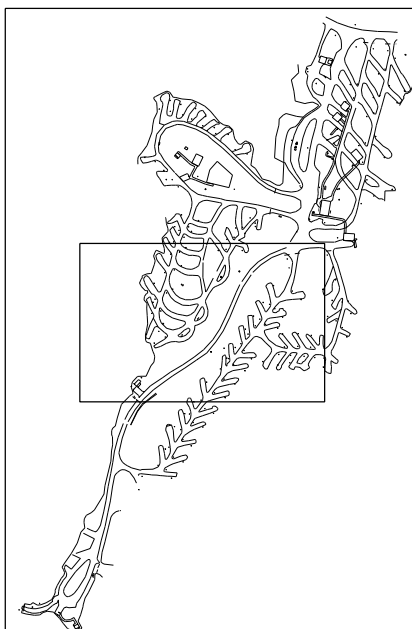
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PARK ROADS 2017-03	JACKSON	57	46
			CONTRACT NO. 46419	
ILLINOIS FED. AID PROJECT				

L-2

**LIGHTING LEGEND**

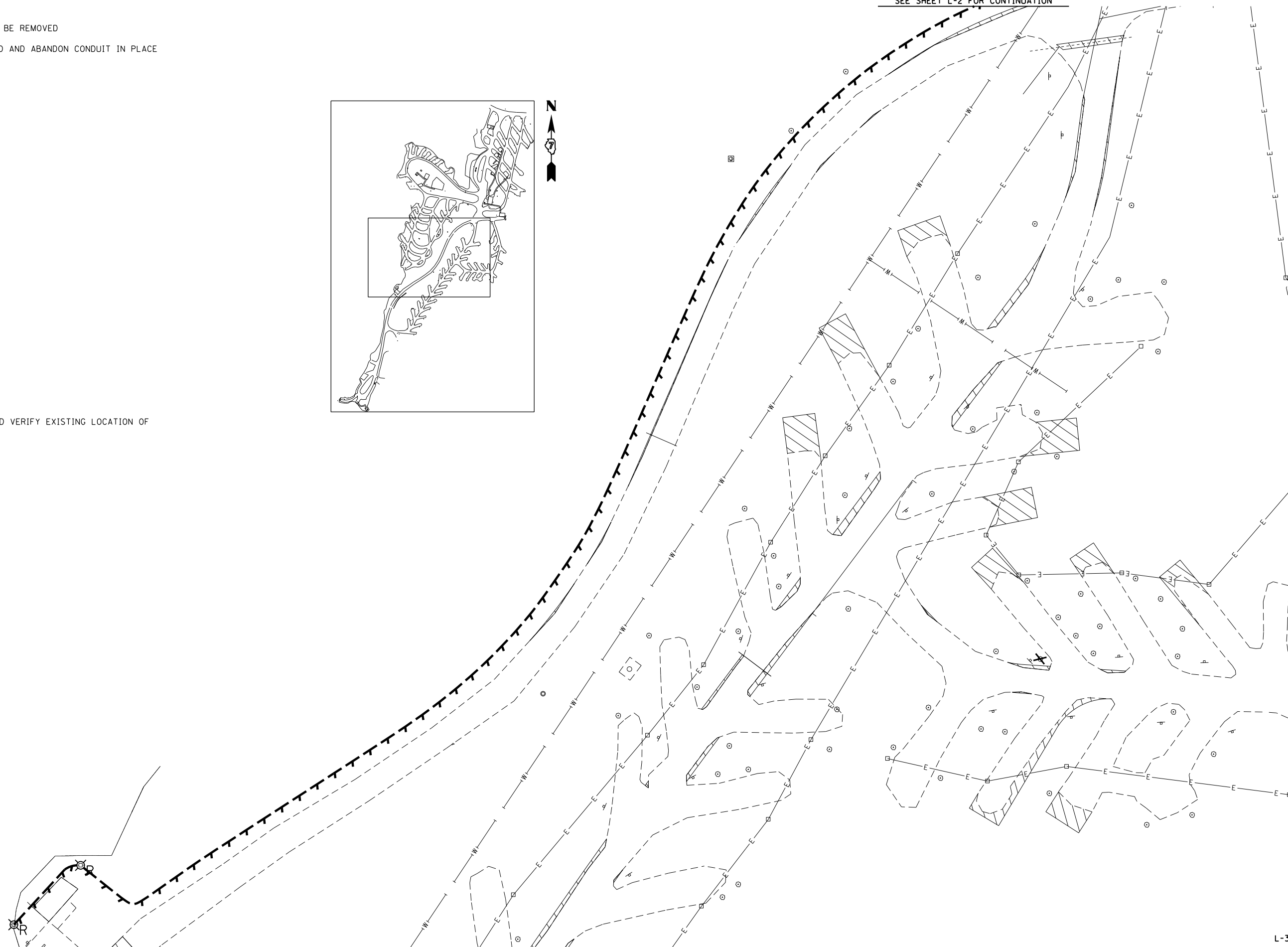
- ⊙<sub>R</sub> EXISTING LIGHTING UNIT TO BE REMOVED
- T — EXISTING CABLE TO BE REMOVED AND ABANDON CONDUIT IN PLACE (SEE NOTES 1 & 3)
- E — EXISTING ELECTRIC CABLE

SEE SHEET L-2 FOR CONTINUATION



**NOTES**

1. THE CONTRACTOR SHALL FIELD VERIFY EXISTING LOCATION OF CABLE AND CONDUIT.



FILE NAME =	USER NAME = Connor Bell	DESIGNED -	REVISED -
S:\CAD Drawings\CAD Drawings\CAD Drawings\250\250-141\250-141-F Grant City\46419-shd-DRAWN\tr-em2.dgn		DRAWN	REVISED -
Default	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 4/4/2017	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EXISTING LIGHTING REMOVAL PLAN  
GIANT CITY STATE PARK**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PARK ROADS 2017-03	JACKSON	59	47
			CONTRACT NO. 46419	
ILLINOIS FED. AID PROJECT				

**LIGHTING LEGEND**

- ⊗ PROPOSED LIGHTING UNIT  
ANODIZED ALUMINUM, 20' M.H., 3' M.A., 120V VERY LOW WATTAGE  
HORIZONTAL MOUNT LED LUMINAIRE, TYPE V, 120V PHOTOCCELL,  
WITH 1 1/2" B.C. ON 8-5/8" x 6' METAL FOUNDATION
- UNIT DUCT, SIZE AS INDICATED ON PLAN
- UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT,  
SCHEDULE 80, SIZE AS INDICATED ON PLAN
- ⊠ EXISTING ELECTRICAL PANEL TO REMAIN IN PLACE
- E — EXISTING ELECTRIC CABLE

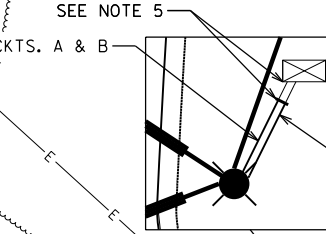
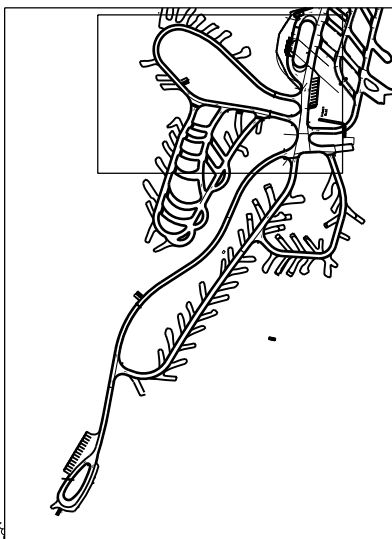
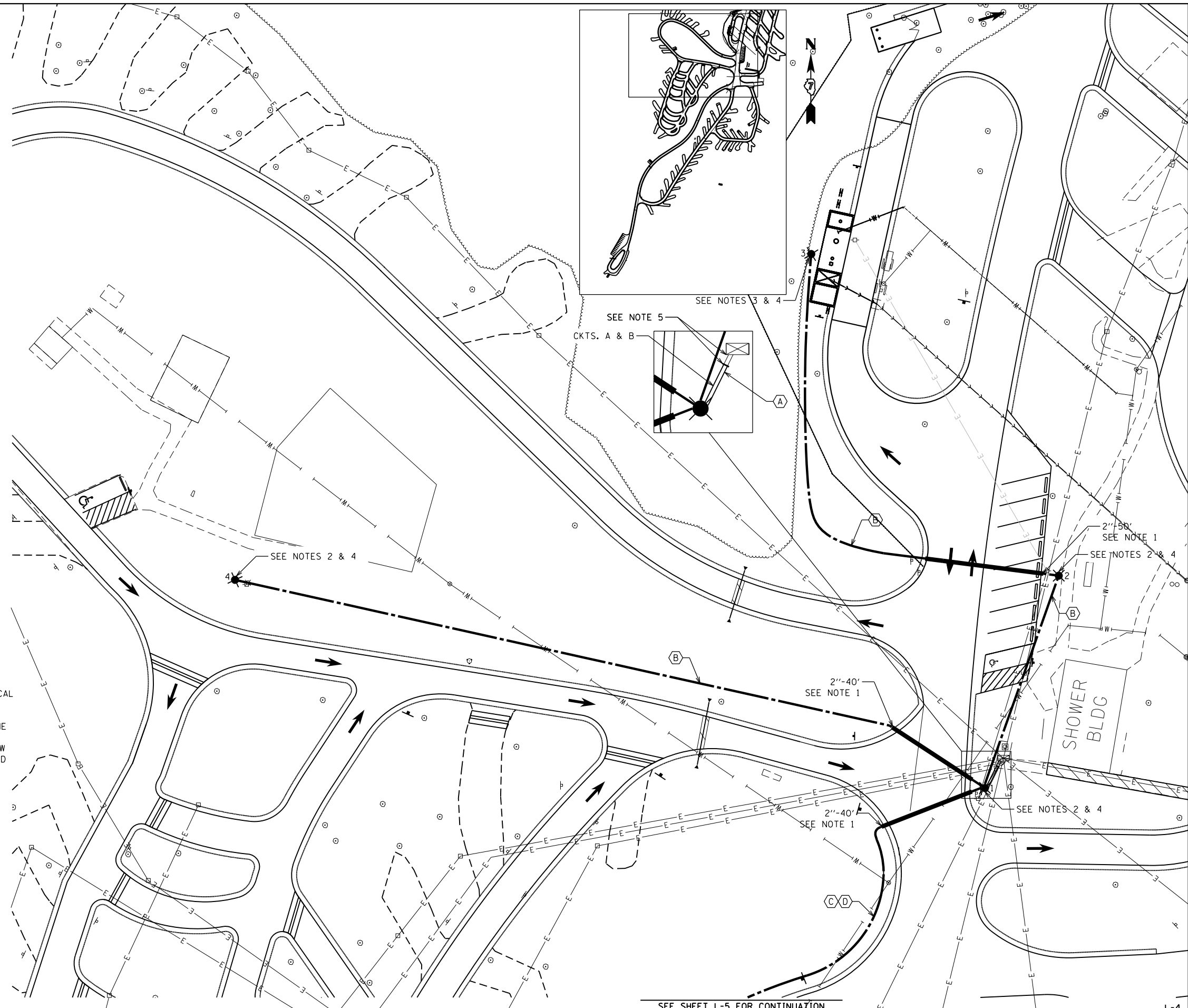
**CABLE/CONDUIT SCHEDULE**

- (A) 600V (XLP-TYPE USE) 2-1C NO.10, 2-1C NO.4, 1/C NO.10  
GROUND IN UNDERGROUND CONDUIT, COILABLE NONMETALLIC  
CONDUIT, 2" DIA., SCHEDULE 40
- (B) CKT. A (LIGHTING)  
UNIT DUCT, 600V, 2-1C NO.10, 1/C NO.10 GROUND,  
(XLP-TYPE USE), 3/4" DIA. POLYETHYLENE
- (C) CKT. A (LIGHTING)  
600V (XLP-TYPE USE) 2-1C NO.10 (SEE NOTE 6)
- (D) CKT. B (RECEPTACLE)  
UNIT DUCT, 600V, 2-1C NO.4, 1/C NO.6 GROUND,  
(XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE

LIGHT POLE LOCATION	
POLE NUMBER	OFFSET
1	5' NE
2	5' E
3	18' SW
4	5' W

**NOTES**

1. 2" DIA. CNC TO BE BORED UNDER PAVEMENT.
2. THE CONTRACTOR SHALL SET POLE AT LEAST 7' BEHIND EDGE OF PAVEMENT. FINAL LOCATION TO BE APPROVED BY THE ENGINEER.
3. THE CONTRACTOR SHALL SET POLE AT LEAST 3-1/2' BEHIND THE PROPOSED DUMP STATION. FINAL LOCATION TO BE APPROVED BY THE ENGINEER.
4. INSTALL NEW DISCONNECT SWITCH ON NEW LIGHT POLE.
5. THE CONTRACTOR SHALL INTERCEPT EXISTING CONDUIT AT EXISTING ELECTRICAL PANEL. INSTALL NEW 2" DIA. CNC, SCH. 40. USE METALLIC TO NON-METALLIC COUPLER/REDUCER. 2-1C\*10 SHALL BE CONNECTED TO THE EXISTING 1-20AMP BREAKER IN THE EXISTING ELECTRICAL PANEL FOR THE LIGHTING CIRCUIT. THE CONTRACTOR SHALL INSTALL A NEW BREAKER OF THE SAME TYPE AND SIZE IN THE EXISTING ELECTRICAL PANEL. 2-1C\*4 SHALL BE CONNECTED TO THE NEW BREAKER FOR THE RECEPTACLE. THE COST OF THIS WORK SHALL BE INCLUDED IN THE COST OF THE ASSOCIATED ELECTRIC CABLE.
6. THE CONTRACTOR SHALL INSTALL 2-1C NO.10 ELECTRIC CABLE IN 1-1/4" DIA. CONDUIT FOR LIGHTING.



FILE NAME =	USER NAME = Connor Bell	DESIGNED -	REVISED -
S:\CAD Drawings\CAD Drawings\250\250-141\250-141-F Grant City\46419-shd-DRAWNght.dgn		DRAWN	REVISED -
Default	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 4/4/2017	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>PROPOSED LIGHTING PLAN GIANT CITY STATE PARK</b>			
SCALE: 1" = 20'	SHEET	OF SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PARK ROADS 2017-03	JACKSON	59	48
CONTRACT NO. 46419				
ILLINOIS FED. AID PROJECT				

L-4



**LIGHTING LEGEND**

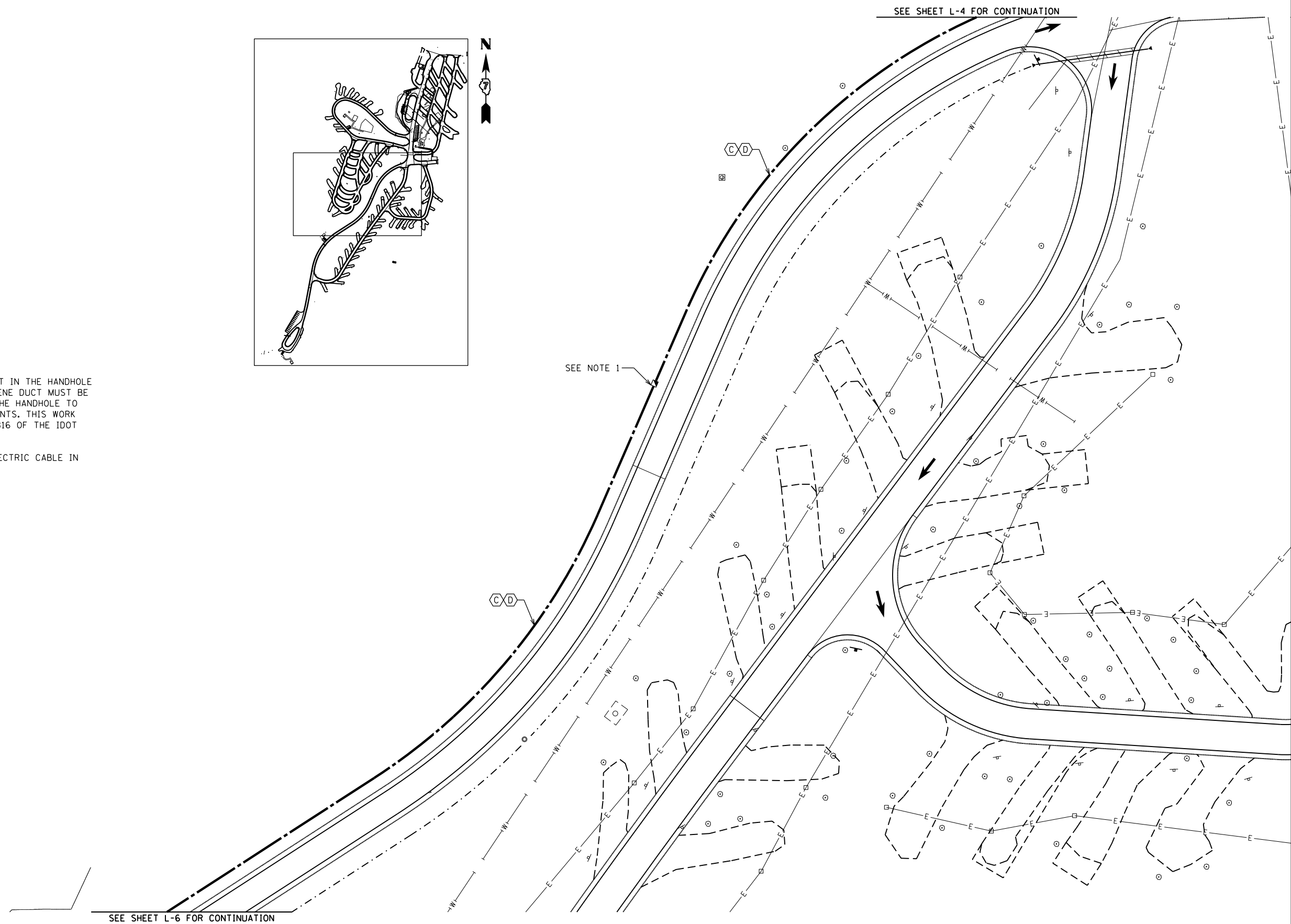
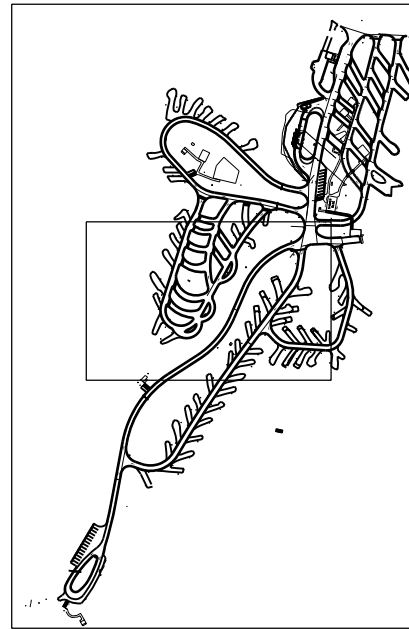
- UNIT DUCT, SIZE AS INDICATED ON PLAN
- PROPOSED HANDHOLE
- E — EXISTING ELECTRIC CABLE

**CABLE/CONDUIT SCHEDULE**

- ⬡ CKT. A (LIGHTING)  
600V (XLP-TYPE USE) 2-1C NO.10 (SEE NOTE 3)
- ⬢ CKT. B (RECEPTACLE)  
UNIT DUCT, 600V, 2-1C NO.4, 1/C NO.6 GROUND,  
(XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE

**NOTES**

1. 10' OF EXTRA CABLE SHALL BE COILED AND LEFT IN THE HANDHOLE FOR FUTURE USE. THE ENDS OF THE POLYETHYLENE DUCT MUST BE SEALED WITH DUCT SEALANT AND MOUNTED IN THE HANDHOLE TO PREVENT ENTRANCE OF MOISTURE OR CONTAMINANTS. THIS WORK SHALL BE DONE IN ACCORDANCE WITH SECTION 816 OF THE IDOT STANDARD SPECIFICATIONS.
2. THE CONTRACTOR SHALL INSTALL 2-1C NO.10 ELECTRIC CABLE IN 1-1/4" DIA. CONDUIT FOR LIGHTING.



FILE NAME =	USER NAME = Connor Bell	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PROPOSED LIGHTING PLAN GIANT CITY STATE PARK</b>			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S:\CAD Drawings\CAD Drawings\CAD Drawings\250\250-141\250-141-F Grant City\46419-shd\DRAWN\Light2.dgn		CHECKED -	REVISED -						PARK ROADS 2017-03	JACKSON	59	49
Default	PLOT SCALE = 40.0000' / in.	DATE -	REVISED -		SCALE:	SHEET OF SHEETS	STA. TO STA.	CONTRACT NO. 46419				
	PLOT DATE = 4/4/2017							ILLINOIS FED. AID PROJECT				

**LIGHTING LEGEND**

- UNIT DUCT, SIZE AS INDICATED ON PLAN
- ⊗ PROPOSED LIGHTING UNIT  
ANODIZED ALUMINUM, 20' M.H., 3' M.A., 120V VERY LOW WATTAGE  
HORIZONTAL MOUNT LED LUMINAIRE, TYPE V, 120V PHOTOCELL,  
WITH 11-1/2" B.C. ON 8-5/8" x 6' METAL FOUNDATION
- E — EXISTING ELECTRIC CABLE

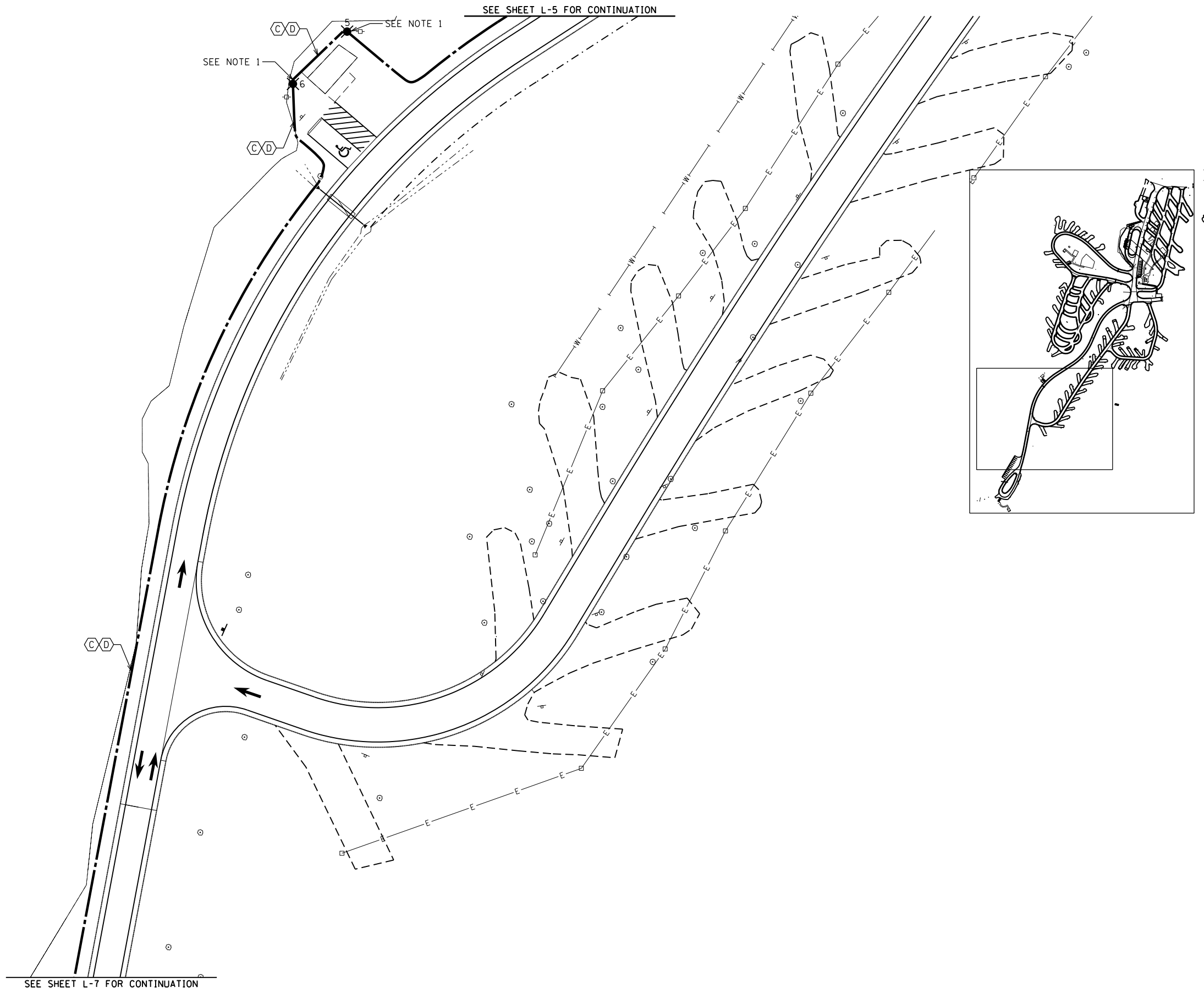
**CABLE/CONDUIT SCHEDULE**

- ⊙ CKT. A (LIGHTING)  
600V (XLP-TYPE USE) 2-1C NO.10 (SEE NOTE 2)
- ⊙ CKT. B (RECEPTACLE)  
UNIT DUCT, 600V, 2-1C NO.4, 1/C NO.6 GROUND,  
(XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE

LIGHT POLE LOCATION	
POLE NUMBER	OFFSET
5	5' W
6	5' NE

**NOTES**

1. INSTALL NEW DISCONNECT SWITCH ON NEW LIGHT POLE
2. THE CONTRACTOR SHALL INSTALL 2-1C NO.10 ELECTRIC CABLE IN 1-1/4" DIA. CONDUIT FOR LIGHTING.



FILE NAME =	USER NAME = Connor Bell	DESIGNED -	REVISED -
S:\CAD Drawings\CAD Drawings\CAD Drawings\250\250-141\250-141-F Giant City\46419-shs\Light.dgn		DRAWN -	REVISED -
Default	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 4/4/2017	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PROPOSED LIGHTING PLAN  
GIANT CITY STATE PARK**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PARK ROADS 2017-03	JACKSON	59	50
			CONTRACT NO. 46419	
ILLINOIS FED. AID PROJECT				

**LIGHTING LEGEND**

- ☼ PROPOSED LIGHTING UNIT  
ANODIZED ALUMINUM, 20' M.H., 3' M.A., 120V VERY LOW WATTAGE  
HORIZONTAL MOUNT LED LUMINAIRE, TYPE V, 120V PHOTOCELL, 120V RECEPTACLE,  
WITH 11-1/2" B.C. ON 8-5/8" x 6' METAL FOUNDATION
- UNIT DUCT, SIZE AS INDICATED ON PLAN
- ==== UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT,  
SCHEDULE 80, SIZE AS INDICATED ON PLAN
- ▣ PROPOSED HANDHOLE

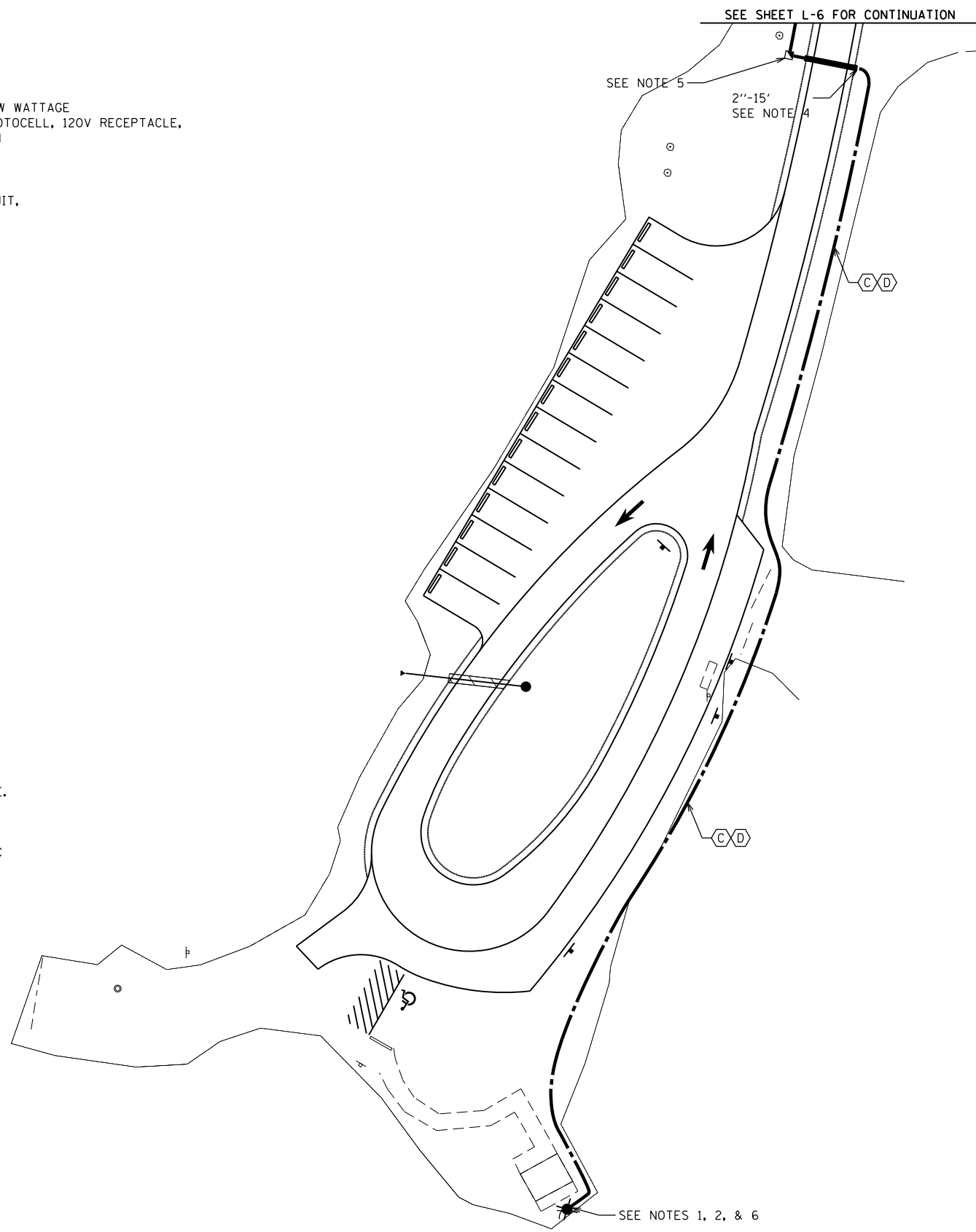
**CABLE/CONDUIT SCHEDULE**

- Ⓢ CKT. A (LIGHTING)  
600V (XLP-TYPE USE) 2-1C NO.10 (SEE NOTE 3)
- Ⓣ CKT. B (RECEPTACLE)  
UNIT DUCT, 600V, 2-1C NO.4, 1/C NO.6 GROUND,  
(XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE

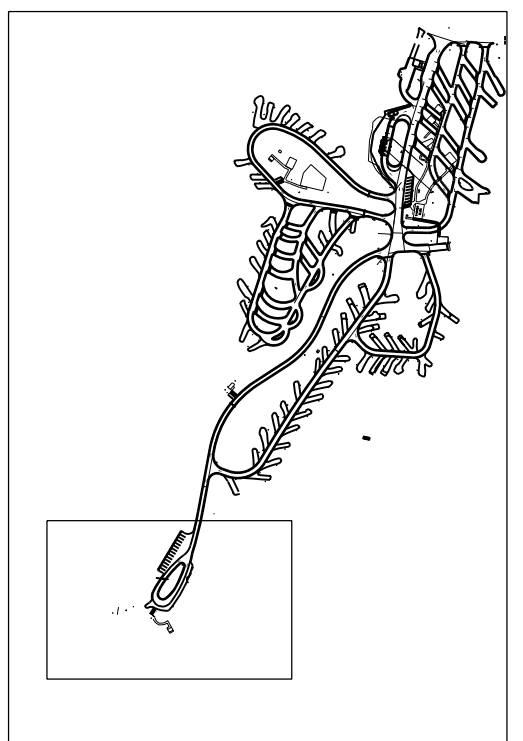
LIGHT POLE LOCATION	
POLE NUMBER	OFFSET
7	3' BEHIND CONCRETE SLAB

**NOTES**

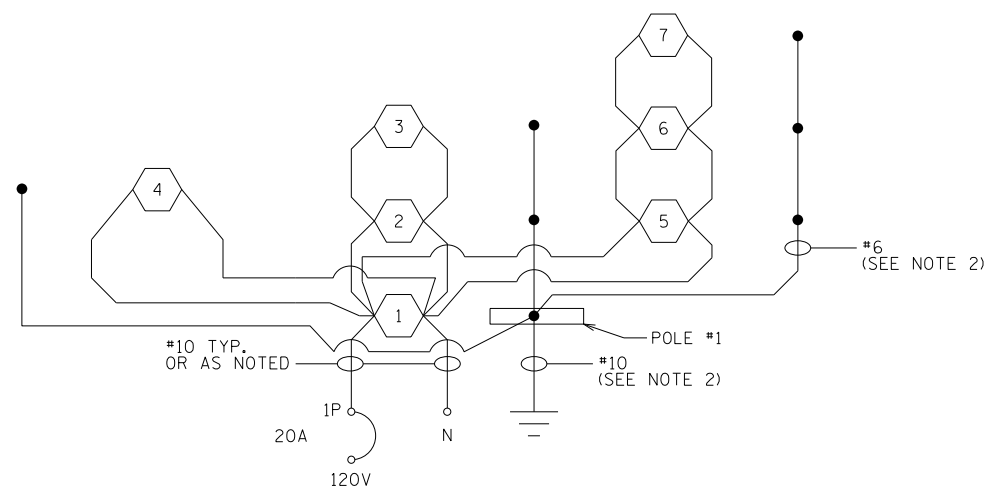
1. INSTALL NEW DISCONNECT SWITCH ON NEW LIGHT POLE.
2. SEE SHEET L-9 FOR ELECTRICAL DETAILS.
3. THE CONTRACTOR SHALL INSTALL 2-1C NO.10 ELECTRIC CABLE IN 1-1/4" DIA. CONDUIT FOR LIGHTING.
4. 2" DIA. CNC TO BE BORED UNDER PAVEMENT.
5. 10' OF EXTRA CABLE SHALL BE COILED AND LEFT IN THE HANDHOLE FOR FUTURE USE. THE ENDS OF THE POLYETHYLENE DUCT MUST BE SEALED WITH DUCT SEALANT AND MOUNTED IN THE HANDHOLE TO PREVENT ENTRANCE OF MOISTURE OR CONTAMINANTS. THIS WORK SHALL BE DONE IN ACCORDANCE WITH SECTION 816 OF THE IDOT STANDARD SPECIFICATIONS.
6. INSTALL HEAVY DUTY 20AMP DUPLEX RECEPTACLE ON NEW LIGHT POLE. RECEPTACLE SHALL BE IN WEATHERPROOF NEMA 4 ENCLOSURE.



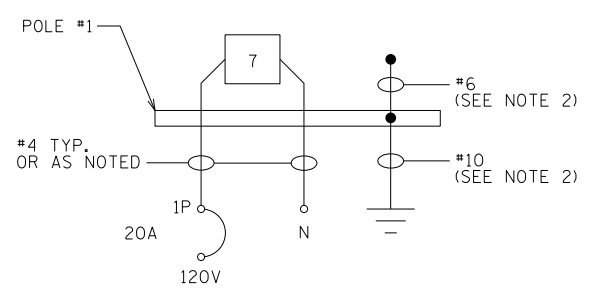
SEE SHEET L-6 FOR CONTINUATION



FILE NAME =	USER NAME = Connor Bell	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PROPOSED LIGHTING PLAN GIANT CITY STATE PARK</b>				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
S:\CAD Drawings\CAD Drawings\250\250-141\250-141-F Grant City\46419-shs11\DRAWING\Light4.dgn		REVISIONS	REVISIONS		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	PARK ROADS 2017-03	JACKSON	59	51
Default	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISIONS						CONTRACT NO. 46419						
	PLOT DATE = 4/4/2017	DATE -	REVISIONS						ILLINOIS FED. AID PROJECT						



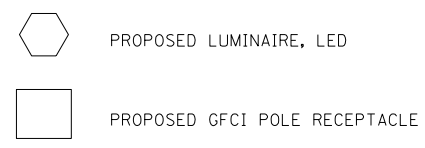
CKT A - EXISTING ELECTRICAL PANEL LIGHTING



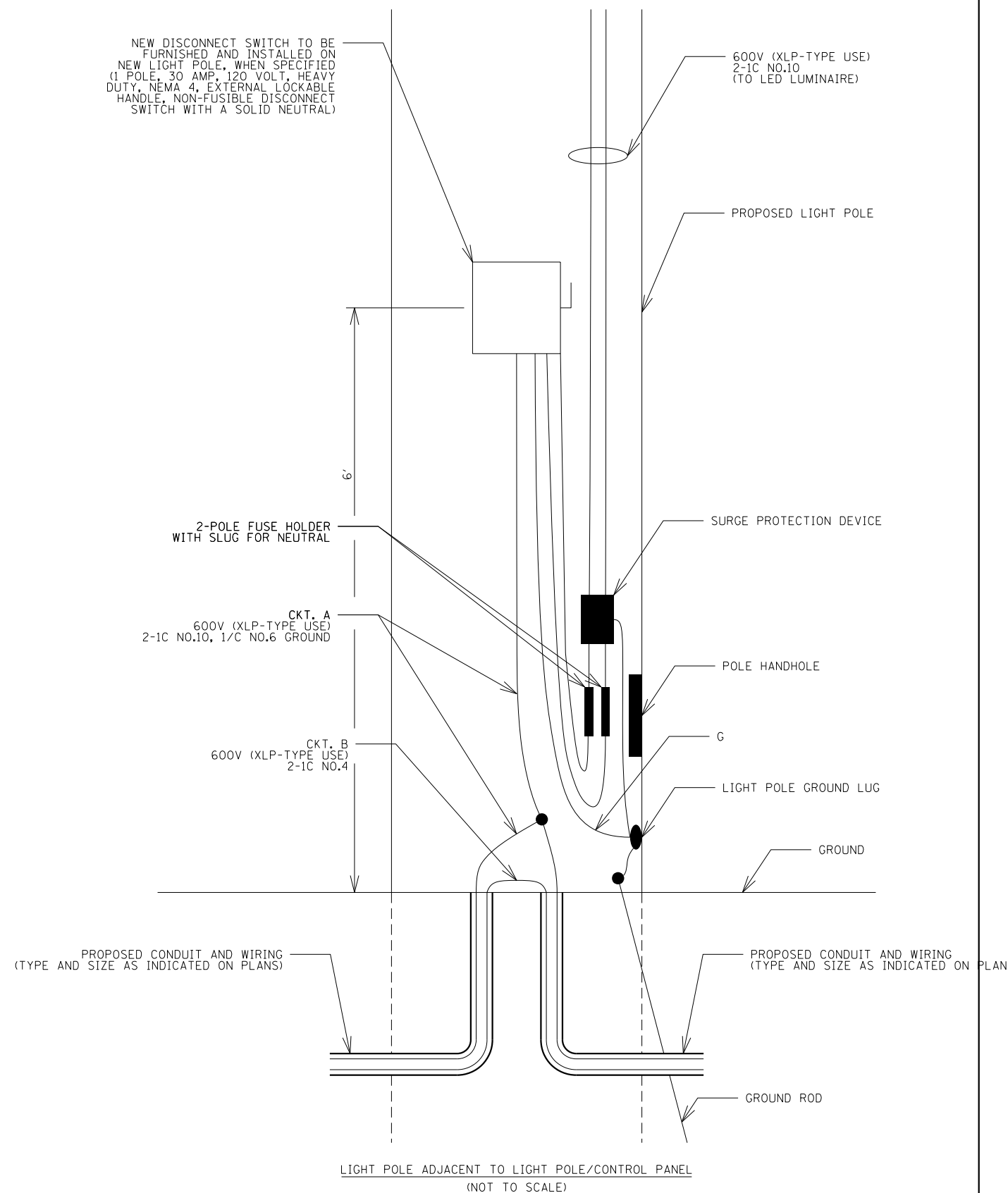
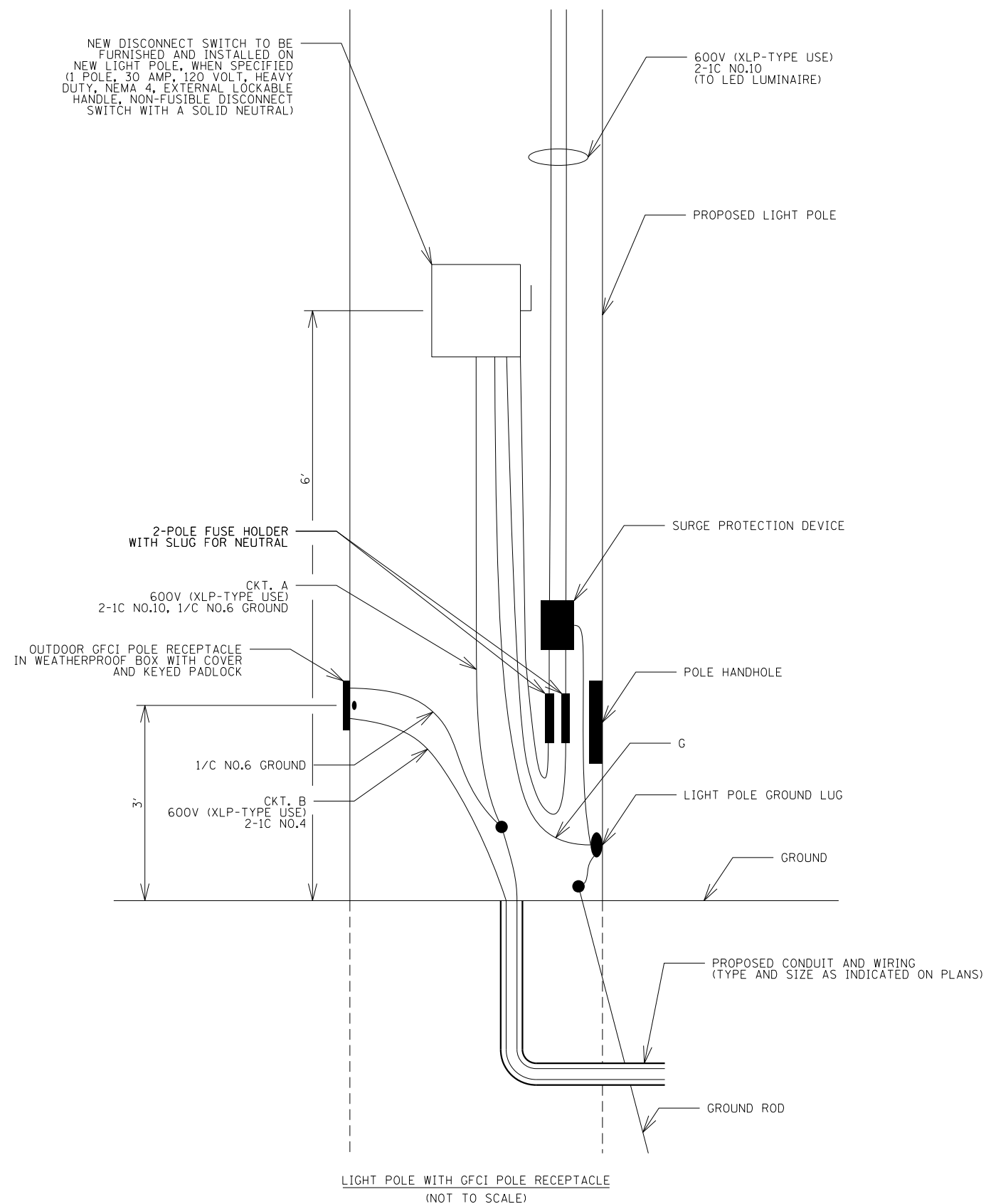
CKT B - EXISTING ELECTRICAL PANEL RECEPTACLE

NOTES:

1. ALL NECESSARY REVISIONS TO THE WIRING SHOWN ON THIS SHEET SHALL BE MADE AT NO ADDITIONAL COST TO THE DEPARTMENT AND TO THE SATISFACTION OF THE ENGINEER.
2. EQUIPMENT GROUNDING CONDUCTOR SHARED BETWEEN CIRCUITS A AND B.



FILE NAME =	USER NAME = Connor Bell	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>WIRING DIAGRAMS GIANT CITY STATE PARK</b>			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S:\CAD Drawings\CAD Drawings\CAD Drawings\250\250-141\250-141-F Giant City\46419-shs2-DRAW.dgn	DRAWN -	REVISED -	REVISED -					PARK ROADS 2017-03	JACKSON	59	52	
Default	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -		CONTRACT NO. 46419			ILLINOIS FED. AID PROJECT				
	PLOT DATE = 4/4/2017	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	



FILE NAME =	USER NAME = Connor Bell	DESIGNED -	REVISED -
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

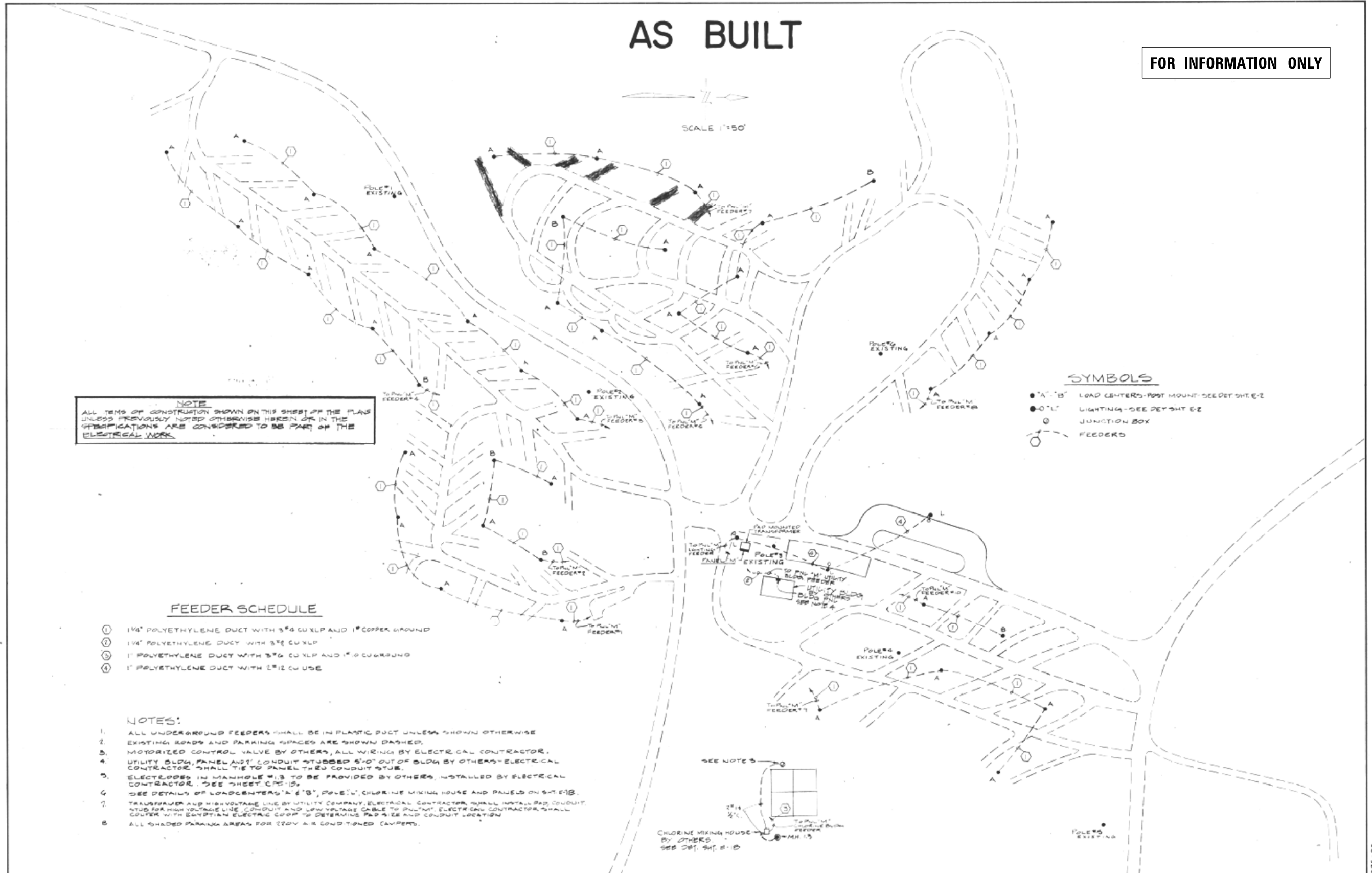
**ELECTRICAL DETAILS  
GIANT CITY STATE PARK**

SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PARK ROADS 2017-03	JACKSON	59	53
CONTRACT NO. 46419				
ILLINOIS FED. AID PROJECT				

# AS BUILT

FOR INFORMATION ONLY



**NOTE**  
ALL ITEMS OF CONSTRUCTION SHOWN ON THIS SHEET OF THE PLAN UNLESS PREVIOUSLY NOTED OTHERWISE HEREIN OR IN THE SPECIFICATIONS ARE CONSIDERED TO BE PART OF THE ELECTRICAL WORK.

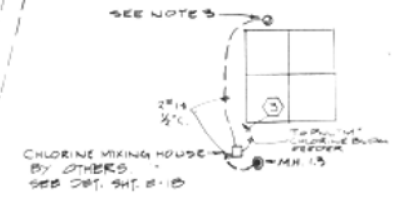
- SYMBOLS**
- "A" "B" LOAD CENTERS-POST MOUNT-SEE DET. SHT. E-2
  - "O" "L" LIGHTING-SEE DET. SHT. E-2
  - JUNCTION BOX
  - FEEDERS

**FEEDER SCHEDULE**

- ① 1 1/4" POLYETHYLENE DUCT WITH 3/8" CU XLP AND 1" COPPER GROUND
- ② 1 1/4" POLYETHYLENE DUCT WITH 3/8" CU XLP
- ③ 1" POLYETHYLENE DUCT WITH 3/8" CU XLP AND 1" COPPER GROUND
- ④ 1" POLYETHYLENE DUCT WITH 1/2" CU USE

**NOTES:**

1. ALL UNDERGROUND FEEDERS SHALL BE IN PLASTIC DUCT UNLESS SHOWN OTHERWISE.
2. EXISTING ROADS AND PARKING SPACES ARE SHOWN DASHED.
3. MOTORIZED CONTROL VALVE BY OTHERS, ALL WIRING BY ELECTRICAL CONTRACTOR.
4. UTILITY BLDG. PANEL AND CONDUIT STUBBED 6" OUT OF BLDG. BY OTHERS-ELECTRICAL CONTRACTOR SHALL TIE TO PANEL THROUGH CONDUIT STUB.
5. ELECTRODES IN MANHOLE #13 TO BE PROVIDED BY OTHERS, INSTALLED BY ELECTRICAL CONTRACTOR. SEE SHEET CPE-15.
6. SEE DETAILS OF LOADCENTERS "A" & "B", POLE "L", CHLORINE MIXING HOUSE AND PANELS ON SHT. E-18.
7. TRANSFORMER AND HIGH VOLTAGE LINE BY UTILITY COMPANY. ELECTRICAL CONTRACTOR SHALL INSTALL PAD CONDUIT AND FOR HIGH VOLTAGE LINE CONDUIT AND LOW VOLTAGE CABLE TO PULMUT. ELECTRICAL CONTRACTOR SHALL COVER WITH EGYPTIAN ELECTRIC COOP TO DETERMINE PAD SIZE AND CONDUIT LOCATION.
8. ALL SHADED PARKING AREAS FOR 120V AIR CONDITIONED CAMPER.



<table border="1"> <thead> <tr> <th colspan="3">REVISIONS</th> </tr> <tr> <th>NO.</th> <th>DATE</th> <th>REMARKS</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>			REVISIONS			NO.	DATE	REMARKS										DRAWN SEP TRACED PREPARED OFF APPROVED CHECKED PL	HENRY, MEISENHEIMER & GENDE, INC. ASSOCIATE ENGINEER ASSO. FILE NO. APPROVED DATE April 28, 1970	DEPARTMENT OF CONSERVATION DAN MALKOVICH ACTING DIRECTOR DATE APPROVED	STATE OF ILLINOIS DEPARTMENT OF GENERAL SERVICES OFFICE OF SUPERVISING ARCHITECT ALBERT G. PAJA SUPERVISING ARCHITECT DATE 4/28/70	ELECTRICAL PLAN CAMPGROUND IMPROVEMENTS GIANT CITY STATE PARK JACKSON COUNTY, ILLINOIS	PROJECT NO. 7075-29 DATE APR 28, 1970	SHEET NO. E-17 OF 18 SHEETS
REVISIONS																								
NO.	DATE	REMARKS																						

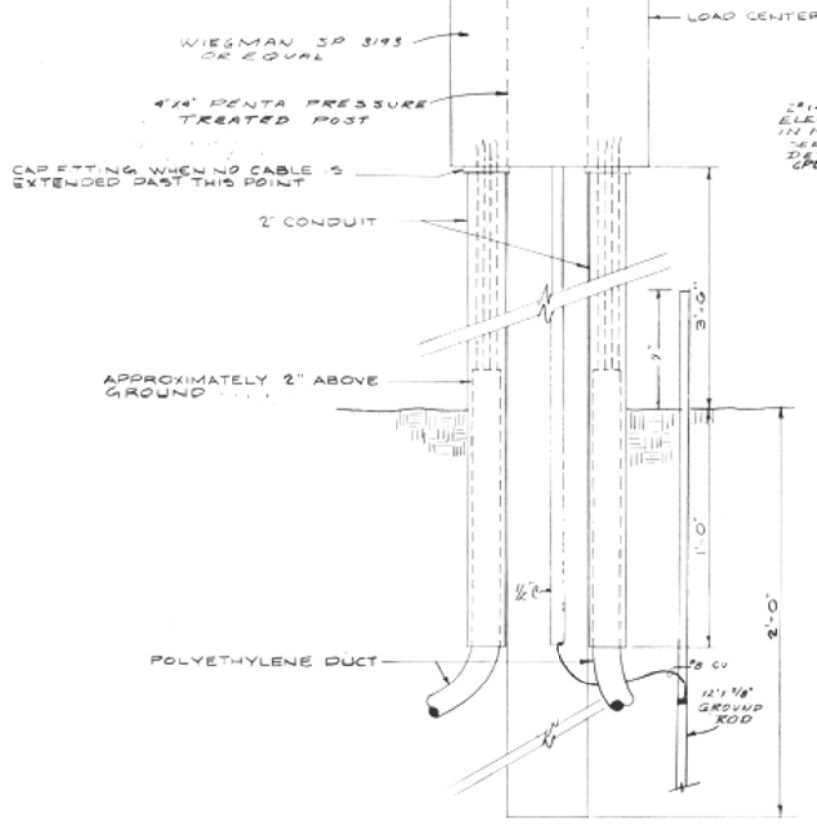
# AS BUILT

FOR INFORMATION ONLY

TYPE	NUMBER OF			
	50A RECP	30A CB	20A RECP	20A CB
TYPE A	1	1	2	2
TYPE B	1	1	3	3

## LOAD CENTER SCHEDULE

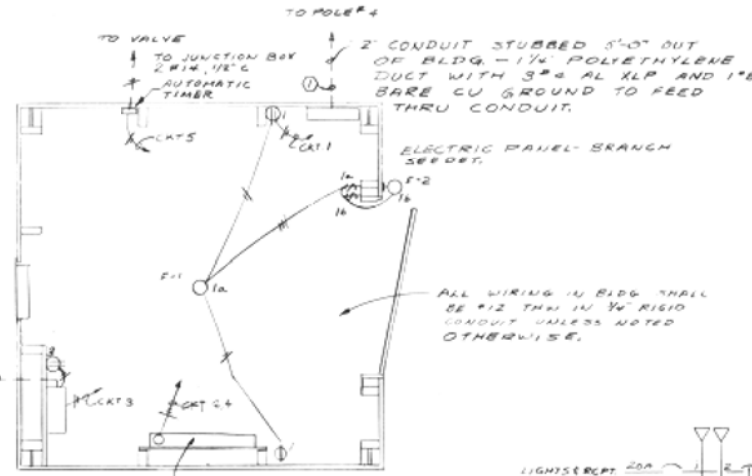
NOTE: LOAD CENTER SHALL BE TYPE A OR B AS SHOWN ON PLAN - SEE SHT. E-17.



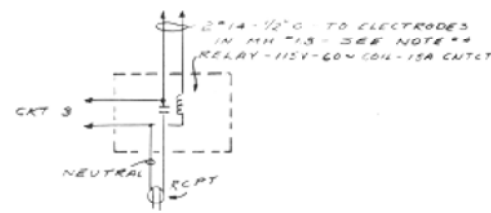
**LOAD CENTER DETAIL**  
NO SCALE

**TOP VIEW**

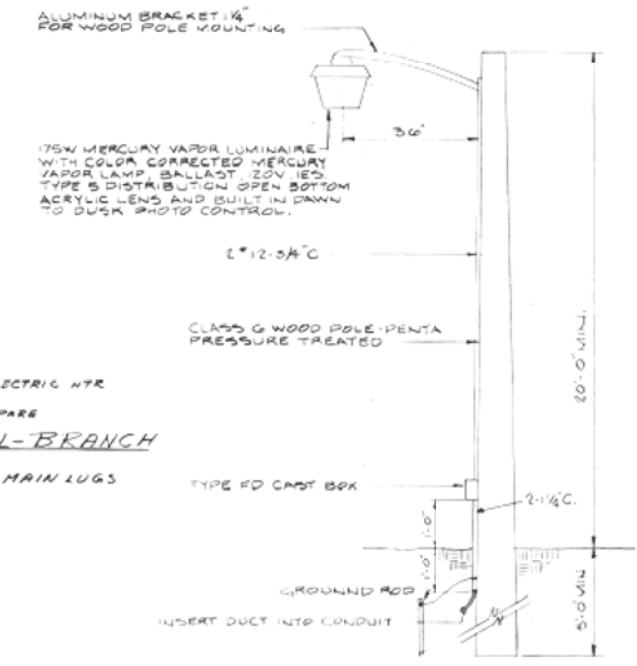
NOTE - CHLORINE MIXING HOUSE BY OTHERS.



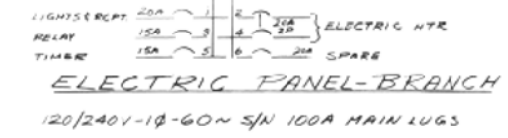
**PLAN-CHLORINE MIXING HOUSE**



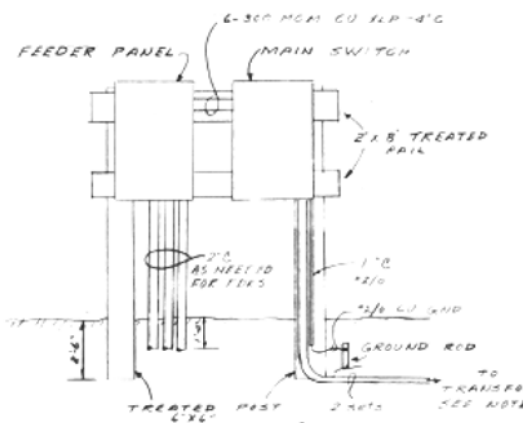
**CHLORINE RECEPTACLE AND RELAY WIRING DETAIL**



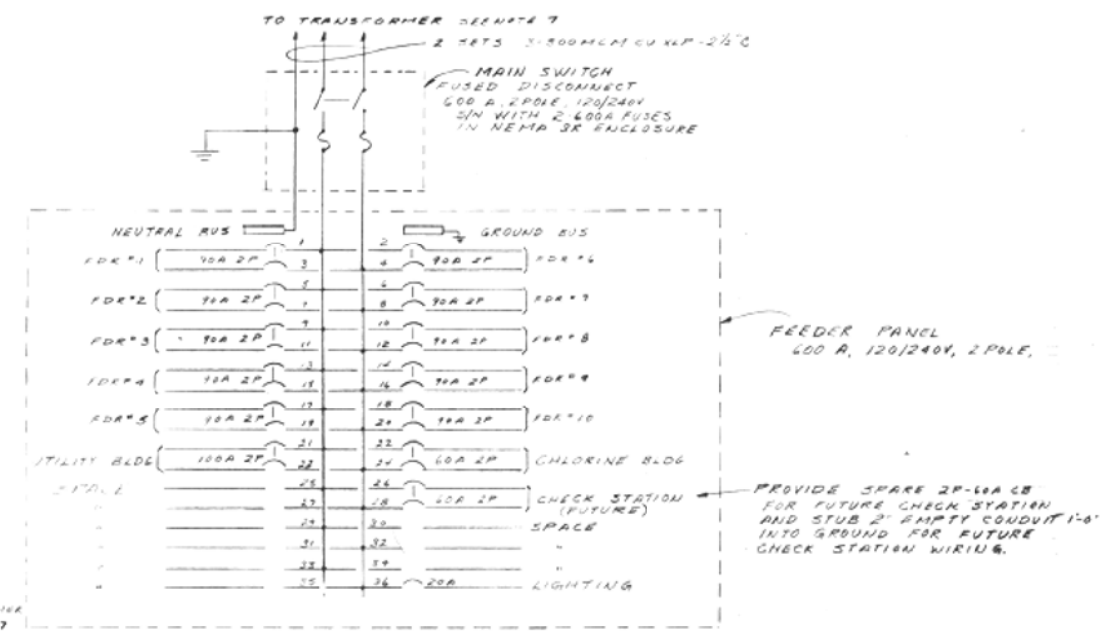
**POLE MOUNTED 175W MERCURY LUMINAIRE \"L\" DETAIL**



**ELECTRIC PANEL-BRANCH**



**PANEL M DETAIL**



**ELECTRICAL SYSTEM SCHEMATIC PANEL M**

NOTE: ALL ITEMS OF CONSTRUCTION SHOWN ON THIS SHEET OR THE PLANS UNLESS PREVIOUSLY NOTED OTHERWISE HEREON OR IN THE SPECIFICATIONS SHALL BE CONSIDERED AS ELECTRICAL WORK.

NO.	DATE	REVISIONS

HENRY, MEISENHEIMER & GENDE, INC.  
ASSOCIATE ENGINEER  
ASSO FILE NO. APPROVED  
*[Signature]*  
DATE: 3/23/90

DEPARTMENT OF CONSERVATION  
DAN MALKOVICH  
ACTING DIRECTOR  
*[Signature]*  
DATE: 4/23/90

STATE OF ILLINOIS  
DEPARTMENT OF GENERAL SERVICES  
OFFICE OF SUPERVISING ARCHITECT  
ALBERT & PAJA  
SUPERVISING ARCHITECT  
*[Signature]*  
DATE: 4/23/90

ELECTRICAL DETAILS  
CAMPGROUND IMPROVEMENTS  
GIANT CITY STATE PARK  
JACKSON COUNTY, ILLINOIS

PROJECT NO. 7075-29  
SHEET NO. E-18  
DATE: APR. 28, 1970  
OF 18 SHEETS

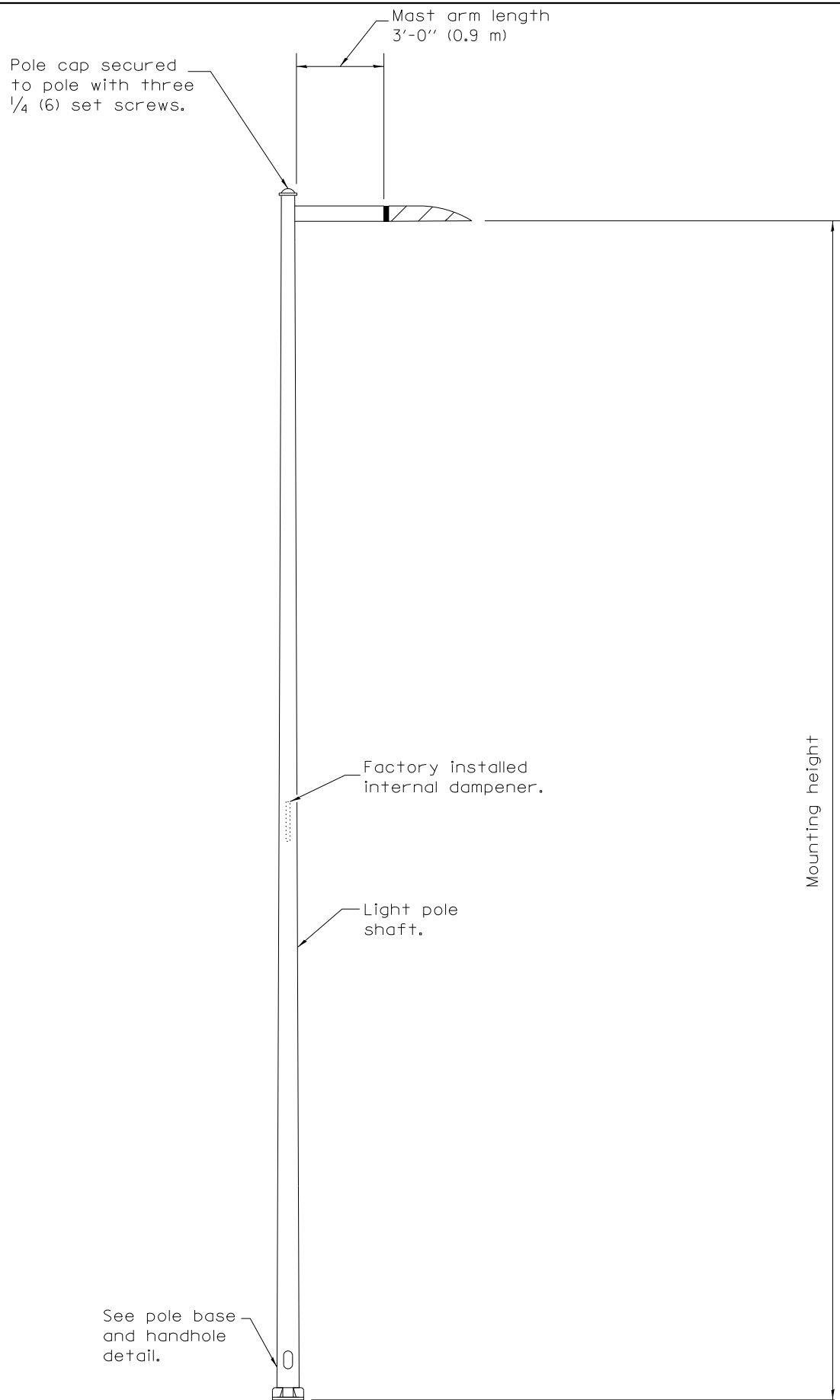
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.

PROJ. NO. 7075-29



POLE		
MOUNTING HEIGHT	MINIMUM SHAFT DIAMETER	MINIMUM WALL THICKNESS
20' (6.1 m)	8 tapered to 4 1/2 (200 to 114)	0.25 (6)

BASE PLATE	
MOUNTING HEIGHT	BOLT CIRCLE DIAMETER
20' (6.1 m)	11 1/2 (290)

**GENERAL NOTES**

See Standard 836001 for Light Pole Foundation and grounding electrode.

Voids in light pole base shall be sealed to prevent rodent entry.

All dimensions are in inches (millimeters) unless otherwise shown.

Standard 830001 for Light Pole Aluminum Mast Arm shall supersede any inconsistencies that appear herein, with the exception of the taper specification and pole identification detail.

**LIGHT POLE ALUMINUM DETAIL**

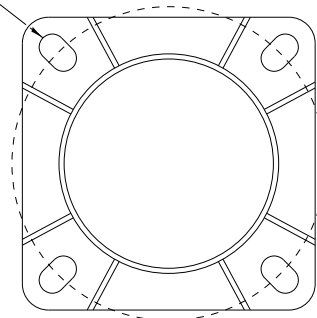
(Sheet 1 of 2)  
L-12

**LIGHT POLE**

FILE NAME =	USER NAME = Connor Bell	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>ELECTRICAL DETAILS GIANT CITY STATE PARK</b>	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S:\CAD Drawings\CAD Drawings\CAD Drawings\250\250-141\250-141-F Grant City\46419-shs66-DRAWN2.dgn		DRAWN -	REVISED -			PARK ROADS 2017-03	JACKSON	59	56	
Default	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -			CONTRACT NO. 46419		ILLINOIS FED. AID PROJECT		
	PLOT DATE = 3/30/2017	DATE -	REVISED -			SCALE:	SHEET OF SHEETS	STA. TO STA.		

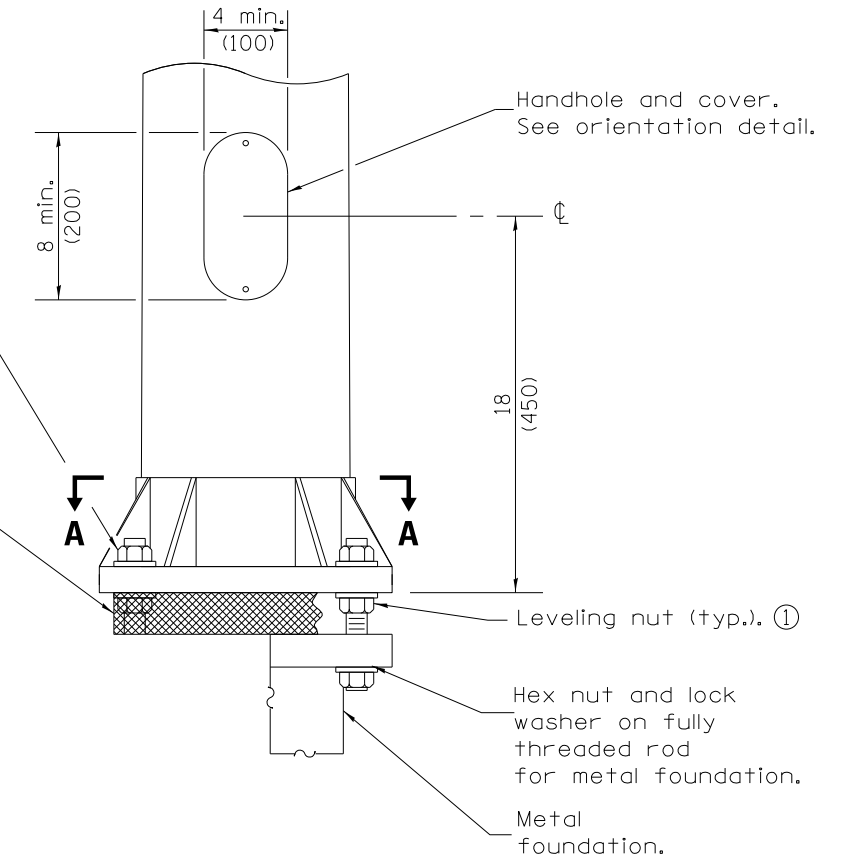


1/4 x 2 (32 x 50)  
slot (typ.).



**SECTION A-A**  
(Bolts not shown)

Bolt  
circle.



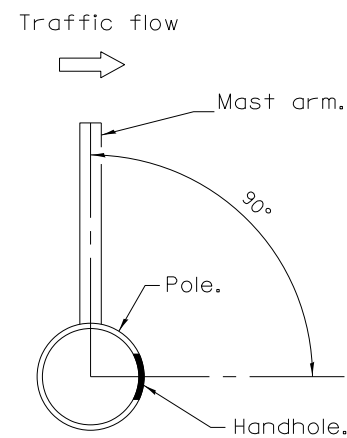
Hex nut with washer.  
Washer shall cover  
entire slot (typ.).  
Nut covers required  
but not shown.

Screen wrapped around nuts  
and anchor rods between  
foundation and bottom of  
pole base. Provide 6 (150)  
minimum overlap and wire-tie  
with matching wire.

**ELEVATION AT METAL FOUNDATION**

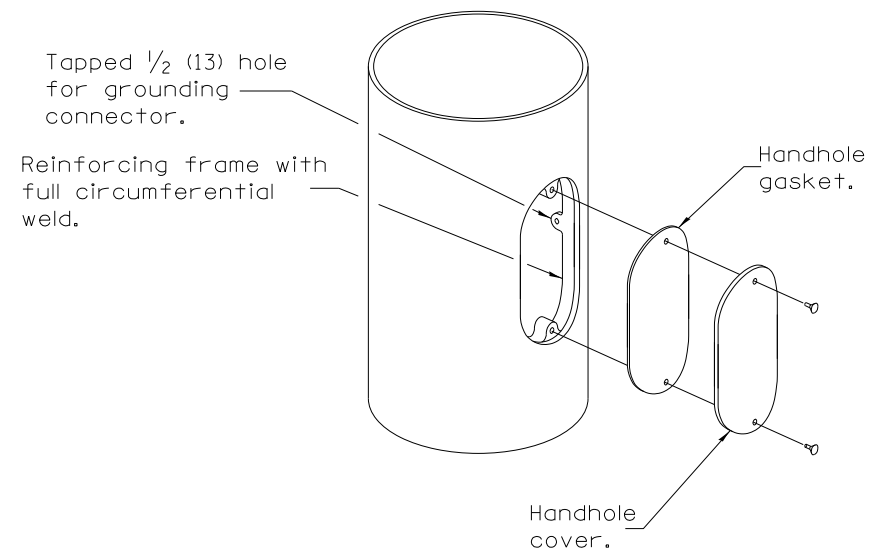
① Omit leveling nuts when breakaway devices  
are required.

**POLE BASE DETAILS**



Pole on ground mounted  
foundation.

**HANDHOLE ORIENTATION DETAIL**



**HANDHOLE DETAIL**

**LIGHT POLE ALUMINUM DETAIL**

(Sheet 2 of 2)

L-13

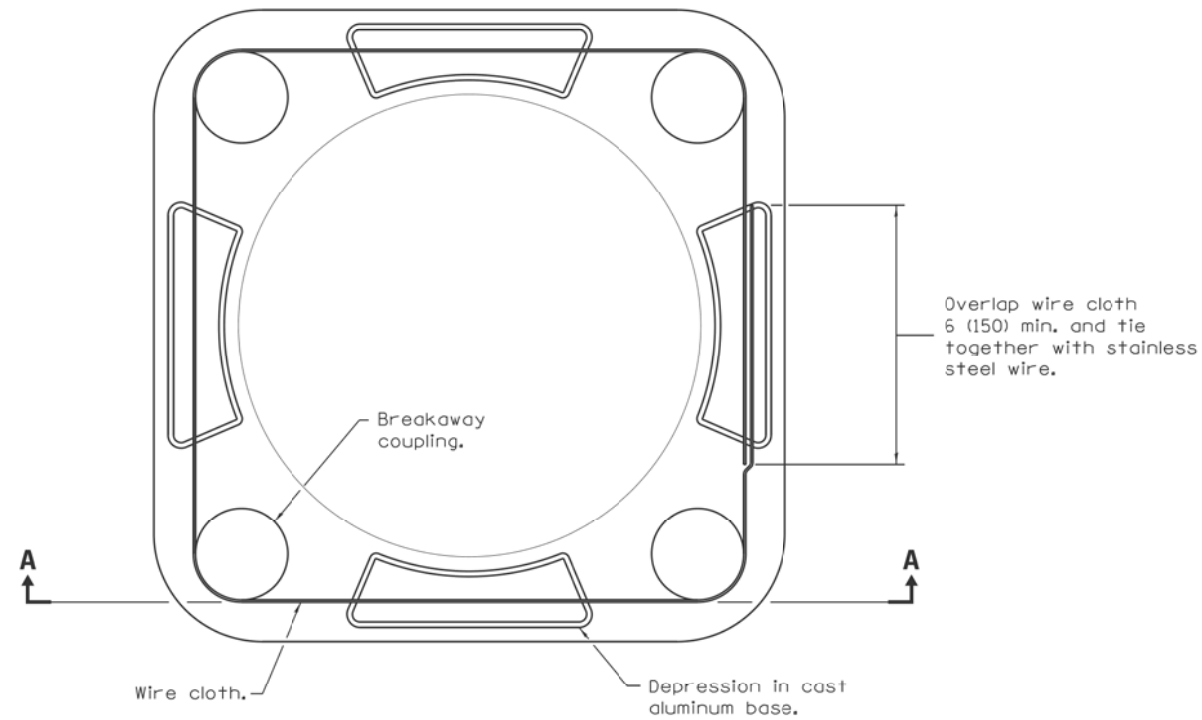
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

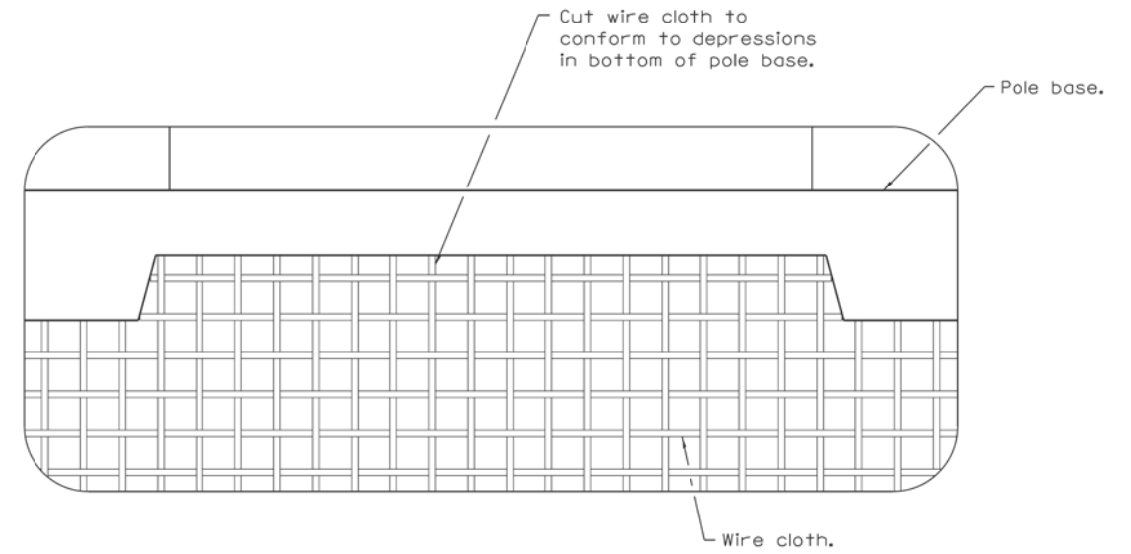
**ELECTRICAL DETAILS  
GIANT CITY STATE PARK**

SCALE: SHEET OF SHEETS STA. TO STA.

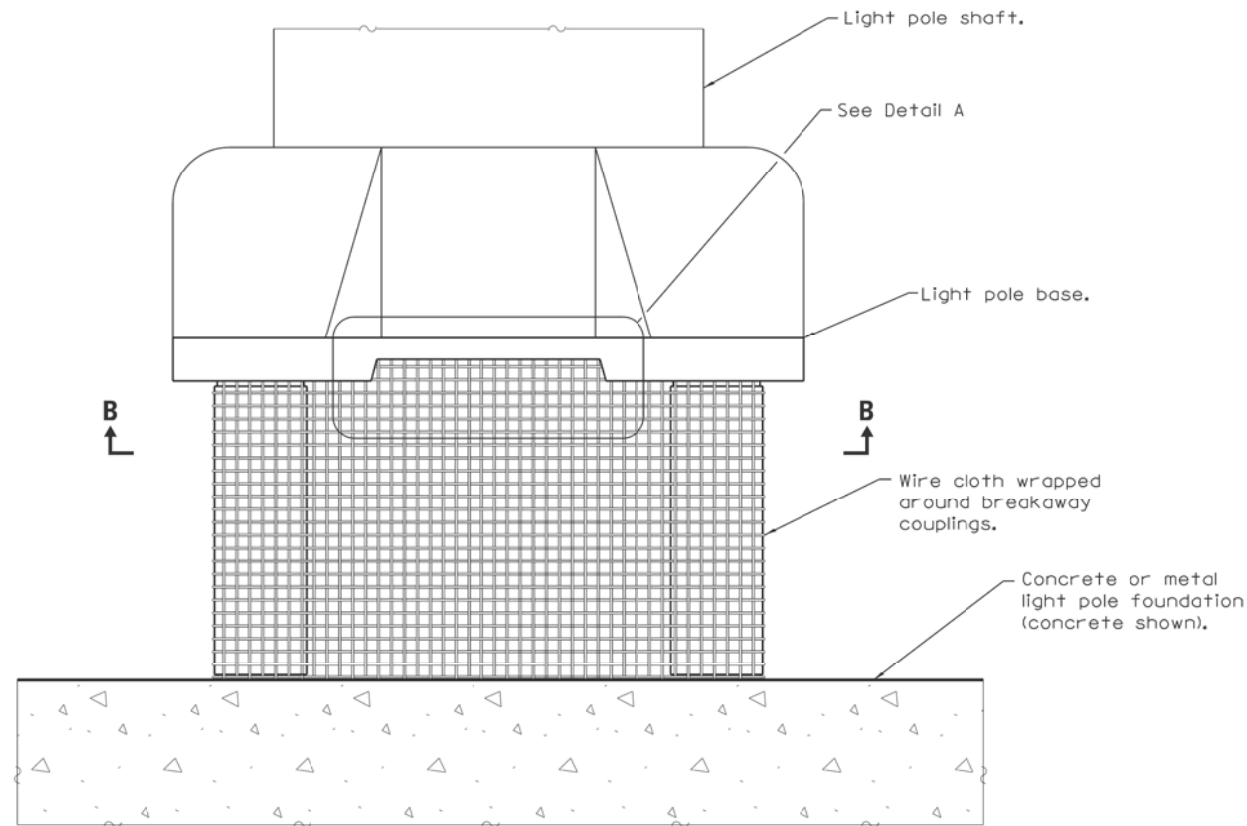
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PARK ROADS 2017-03	JACKSON	59	57
			CONTRACT NO. 46419	
ILLINOIS FED. AID PROJECT				



**VIEW B-B**



**DETAIL A**



**SECTION A-A**

**GENERAL NOTES**

Wire cloth shall be stainless steel, have a maximum opening of 1/4 (6), and a minimum wire diameter of AWG No. 16 (1.6).

All dimensions are in inches (millimeters) unless otherwise shown.

**RODENT SHIELD FOR ALUMINUM POLE**

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ELECTRICAL DETAILS  
GIANT CITY STATE PARK**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PARK ROADS 2017-03	JACKSON	59	58
			CONTRACT NO. 46419	
ILLINOIS FED. AID PROJECT				

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREAS		
	CHECKED		

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREAS		
	CHECKED		

