

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	FITZGERRELL PARKING	FRANKLIN	49	1
		ILLINOIS	CONTRACT No. 46932	

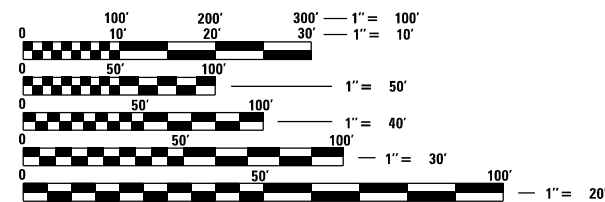
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

# I.D.O.T./ I.D.N.R. STATEWIDE WAYNE FITZGERRELL STATE RECREATION AREA SECTION: FITZGERRELL PARKING

**INDEX OF SHEETS**  
(SEE SHEET 2)

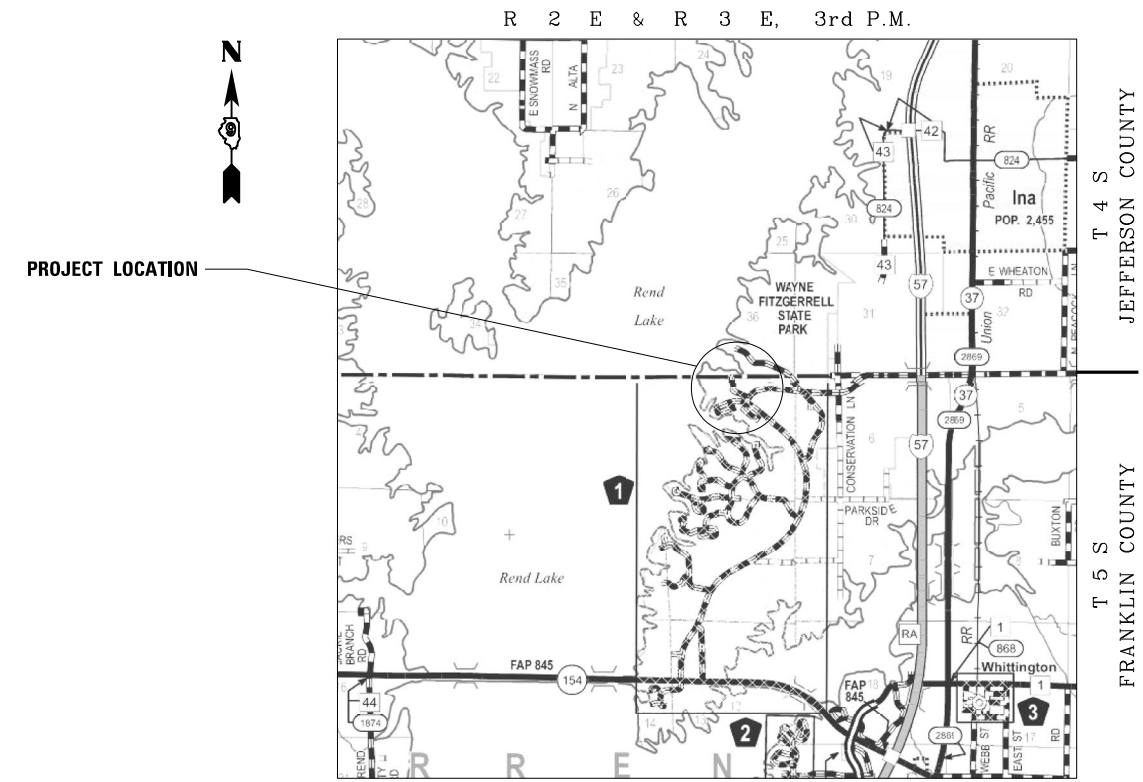
**STATE STANDARDS**  
(SEE SHEET 2)

PARK IMPROVEMENTS  
FRANKLIN COUNTY  
I.D.O.T. PROJECT No. P-XX-00X-XX  
I.D.N.R. FILE No. 5-22-011  
C-30-003-22

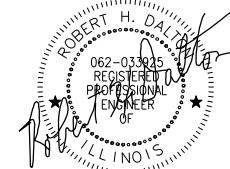


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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



**LOCATION MAP**



EXPIRES: 11/30/23  
SIGNED: 4/14/23

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

SUBMITTED MAY 12, 2023

DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

May 12, 2023

ENGINEER OF DESIGN AND ENVIRONMENT

May 12, 2023

DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

**PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS**

**INDEX OF SHEETS**




















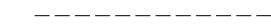
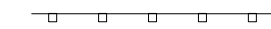
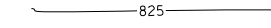

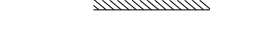


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**GENERAL NOTES**

- 1 SPECIFICATIONS SHALL BE THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED JANUARY 1, 2022.
- 2 ALL ELEVATIONS ARE REFERENCED TO ELEVATIONS ESTABLISHED BY ILLINOIS DEPARTMENT OF TRANSPORTATION.
- 3 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, IDEMNIFY, AND HOLD THE OWNER AND THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEDED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPT FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR THE ENGINEER.
- 4 WHERE SECTION STONES OR PROPERTY MARKERS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH STONES OR MARKERS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND PRESERVE ALL PROPERTY MARKERS UNTIL AN OWNER OR AUTHORIZED SURVEYOR HAS WITNESSED OR REFERENCED THEIR LOCATION.
- 5 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.
- 6 EXISTING TOP SOIL EXCAVATED FOR THIS PROJECT MAY BE USED FOR THE PLACEMENT LOCATIONS NOTED ON THE PLANS PROVIDED THAT THE EXCAVATED MATERIALS MEET THE REQUIREMENTS OF ARTICLE 1081.05(c) OF THE STANDARD SPECIFICATIONS.

LOCATIONS	HOT MIX ASPHALT BINDER COURSE
MIXTURE USE(S):	HOT MIX ASPHALT BINDER COURSE, IL-9.5, N50
PG:	PG64-22
DESIGN AIR VOIDS:	4.0%, 50 GYRATION DESIGN
MIXTURE COMPOSITION: (GRADATION MIXTURE)	IL-9.5mm
FRICTION AGGREGATE:	NONE
MIXTURE WEIGHT:	112 LBS/SQ YD/IN
QUALITY MANAGEMENT PROGRAM:	QC/QA
SUBLOT SIZE:	3,000 TONS
LOCATIONS	HOT MIX ASPHALT SURFACE COURSE
MIXTURE USE(S):	HOT MIX ASPHALT SURFACE COURSE, IL-9.5, N50
PG:	PG64-22
DESIGN AIR VOIDS:	4.0%, 50 GYRATION DESIGN
MIXTURE COMPOSITION: (GRADATION MIXTURE)	IL-9.5mm
FRICTION AGGREGATE:	MIX C
MIXTURE WEIGHT:	112 LBS/SQ YD/IN
QUALITY MANAGEMENT PROGRAM:	QC/QA
SUBLOT SIZE:	3,000 TONS

**LEGEND**

-  - EXISTING POWER POLE
-  - EXISTING GUY WIRE
-  - EXISTING SIGN
-  - EXISTING WOOD POST
-  - EXISTING FENCE POST
-  - EXISTING MAILBOX
-  - EXISTING DECIDUOUS TREE
-  - EXISTING EVERGREEN TREE
-  - EXISTING BUSH
-  - EXISTING JUNCTION BOX
-  - EXISTING ELECTRIC SPLICE BOX
-  - EXISTING TELEPHONE SPLICE BOX
-  - EXISTING WATER VALVE
-  - EXISTING CATCH BASIN
-  - EXISTING MANHOLE
-  - EXISTING END SECTION
-  - EXISTING PARKING BLOCK
-  - EXISTING A.D.A. PARKING SYMBOL
-  - EXISTING RIPRAP
-  - EXISTING FENCE LINE
-  - EXISTING DITCH LINE
-  - EXISTING GUARD RAIL
-  - EXISTING CONTOURS
-  - EXISTING TREE LINE
-  - EXISTING BUILDING LIMITS
-  - EXISTING CULVERT

**IDOT HIGHWAY STANDARDS**

<ul style="list-style-type: none"> <li>000001-08 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS</li> <li>001006 DECIMAL OF AN INCH AND A FOOT</li> <li>280001-07 TEMPORARY EROSION CONTROL SYSTEMS</li> <li>424001-11 PERPENDICULAR CURB RAMPS FOR SIDEWALKS</li> <li>424006-05 DIAGONAL CURB RAMPS FOR SIDEWALKS</li> <li>424011-04 CORNER PARALLEL CURB RAMPS FOR SIDEWALKS</li> <li>424016-05 MID-BLOCK CURB RAMPS FOR SIDEWALKS</li> <li>424021-06 DEPRESSED CORNER FOR SIDEWALKS</li> <li>424026-03 ENTRANCE/ALLEY PEDESTRIAN CROSSINGS</li> <li>542401-04 METAL FLARED END SECTION FOR PIPE CULVERTS</li> <li>602301-04 INLET, TYPE A</li> <li>604001-05 FRAME AND LIDS, TYPE 1</li> <li>604051-04 FRAME AND GRATE TYPE 11</li> <li>606001-08 CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER</li> <li>420001-10 PAVEMENT JOINTS</li> </ul>	<ul style="list-style-type: none"> <li>701006-05 OFF-RD OPERATIONS, 2L, 2W, 15' (4.5m) TO 24' (600mm) FROM PAVEMENT EDGE</li> <li>701201-05 LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS 45MPH</li> <li>701901-08 TRAFFIC CONTROL DEVICES</li> <li>720001-01 SIGN PANEL MOUNTING DETAILS</li> <li>728001-01 TELESCOPING STEEL SIGN SUPPORT</li> <li>780001-05 TYPICAL PAVEMENT MARKINGS</li> <li>821101-02 LUMINAIRE WIRING IN POLE</li> <li>825021-04 LIGHTING CONTROLLER BASE MOUNTED, 240V</li> <li>830001-03 LIGHT POLE ALUMINUM MAST ARM</li> <li>836001-04 LIGHT POLE FOUNDATION</li> <li>878001-11 CONCRETE FOUNDATION DETAILS</li> <li>B.L.R. 10-8 PCC PAVEMENT SPECIAL (NONREINFORCED)</li> <li>B.L.R. 14-13 PORTLAND CEMENT CONCRETE PAVEMENT (NONREINFORCED)</li> <li>720006-04 SIGN PANEL ERECTION DETAILS</li> <li>805001-01 ELECTRICAL SERVICE INSTALLATION DETAILS</li> </ul>
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REV. - MS

FILE NAME I S N	USER NAME	DESIGNED - JEB	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DEPARTMENT OF NATURAL RESOURCES</b>	<b>INDEX OF SHEETS, GENERAL NOTES AND HIGHWAY STANDARDS WAYNE FITZGERRELL STATE RECREATION AREA</b>	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE	CHECKED - RHD	REVISED -				FITZGERRELL PARKING	FRANKLIN	49	2
D	PLOT DATE	DATE - 3/31/23	REVISED -	SCALE: SHEET OF SHEETS STA. TO STA.		ILLINOIS FED. AID PROJECT CONTRACT NO. 46932				

100% STATE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE	
				ROADWAY	
				0004	RURAL
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	18	18	
21400100	GRADING AND SHAPING DITCHES	FOOT	225	225	
28000400	PERIMETER EROSION BARRIER	FOOT	479	479	
28000510	INLET FILTERS	EACH	11	11	
31100300	SUBBASE GRANULAR MATERIAL, TYPE A 4"	SQ YD	791	791	
35100700	AGGREGATE BASE COURSE, TYPE A 8"	SQ YD	5872	5872	
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	12531	12531	
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	11005	11005	
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	114	114	
40602978	HOT-MIX ASPHALT BINDER COURSE, IL- 9.5, N50	TON	624	624	
40604050	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50	TON	2289	2289	
42000300	PORTLAND CEMENT CONCRETE PAVEMENT 8"	SQ YD	287	287	
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	4131	4131	
44000151	HOT-MIX ASPHALT SURFACE REMOVAL, 1/2"	SQ YD	2217	2217	

MODEL: Default  
 FILE NAME: 200\_V and K Jobs\5371-041 Rend Lake Resort - Survey & Design\CADD Sheets\52011r - 560.dgn

USER NAME = skuper	DESIGNED - J.E.B.	REVISED -
	DRAWN - S.D.K.	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - R.H.D.	REVISED -
PLOT DATE = 4/16/2023	DATE - 4/14/23	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**  
**DEPARTMENT OF NATURAL RESOURCES**

SUMMARY OF QUANTITIES	
SCALE:	SHEET 1 OF 5 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	FITZGERRELL PARKING	FRANKLIN	49	3
			CONTRACT NO. 46932	
		ILLINOIS	FED. AID PROJECT	

100% STATE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE	
				ROADWAY	
				0004	RURAL
44000154	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/4"	SQ YD	16852	16852	
44000300	CURB REMOVAL	FOOT	527	527	
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	126	126	
44000600	SIDEWALK REMOVAL	SQ FT	3677	3677	
45100200	CRACK FILLING	POUND	6054	6054	
50105220	PIPE CULVERT REMOVAL	FOOT	16	16	
54200217	PIPE CULVERTS, CLASS C, TYPE 1 12"	FOOT	17	17	
54262712	METAL FLARED END SECTIONS 12"	EACH	4	4	
55100500	STORM SEWER REMOVAL 12"	FOOT	12	12	
59300100	CONTROLLED LOW-STRENGTH MATERIAL	CU YD	3	3	
60236800	INLETS, TYPE A, TYPE 11 FRAME AND GRATE	EACH	2	2	
60500060	REMOVING INLETS	EACH	2	2	
60600605	CONCRETE CURB, TYPE B	FOOT	711	711	
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	126	126	

MODEL: Default  
 FILE NAME: 200\_V and K Jobs\5371-041 Rend Lake Resort - Survey & Design\CADD Sheets\522011r - 560.dgn

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PLOT SCALE = 40.0000 ' / in.	CHECKED - R.H.D.	REVISED -
PLOT DATE = 4/16/2023	DATE - 4/14/23	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SCALE: SHEET 2 OF 5 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	FITZGERRELL PARKING	FRANKLIN	49	4
			CONTRACT NO. 46932	
		ILLINOIS	FED. AID PROJECT	

100% STATE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE	
				ROADWAY	
				0004	RURAL
60626500	TRANSITIONAL COMBINATION CONCRETE CURB AND GUTTER	FOOT	23	23	
67000500	ENGINEER'S FIELD OFFICE, TYPE B	CAL MO	5	5	
67100100	MOBILIZATION	L SUM	1	1	
* 72000100	SIGN PANEL - TYPE 1	SQ FT	66	66	
* 72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	408	408	
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	115	115	
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	10802	10802	
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	4823	4823	
78300201	PAVEMENT MARKING REMOVAL - GRINDING	SQ FT	1358	1358	
* 80400100	ELECTRIC SERVICE INSTALLATION	EACH	2	2	
* 81028370	UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	1565	1565	
* 81603037	UNIT DUCT, 600V, 2-1C NO.6, 1/C NO.6 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	11305	11305	
* 82110006	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION F	EACH	127	127	
* 82500370	LIGHTING CONTROLLER, BASE MOUNTED, 240VOLT, 200AMP	EACH	2	2	

\* SPECIALTY ITEM

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DRAWN - S.D.K.	REVISED -					FITZGERRELL PARKING	FRANKLIN	49	5	
PLOT SCALE = 40.0000' / in.	CHECKED - R.H.D.	REVISED -		SCALE:      SHEET 3 OF 5 SHEETS      STA.      TO STA.		CONTRACT NO. 46932		ILLINOIS	FED. AID PROJECT	
PLOT DATE = 4/16/2023	DATE - 4/14/23	REVISED -								

100% STATE

					CONSTR. CODE
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY	
				0004	RURAL
* 83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	465	465	
84200600	REMOVAL OF LIGHTING UNIT, NO SALVAGE	EACH	92	92	
84200804	REMOVAL OF POLE FOUNDATION	EACH	92	92	
84500110	REMOVAL OF LIGHTING CONTROLLER	EACH	1	1	
84500120	REMOVAL OF ELECTRIC SERVICE INSTALLATION	EACH	1	1	
84500130	REMOVAL OF LIGHTING CONTROLLER FOUNDATION	EACH	1	1	
X0301430	PRECAST CONCRETE PARKING BLOCK	EACH	4	4	
X0327308	PARKING LOT SEAL COAT	GALLON	3560	3560	
* X8302393	LIGHT POLE, ALUMINUM 25 FT M.H., 4 FT. ARM (SPECIAL)	EACH	63	63	
* X8302395	LIGHT POLE, ALUMINUM 25 FT M.H., 4 FT. ARM,TWIN (SPECIAL)	EACH	32	32	
X2110104	TOPSOIL FURNISH AND PLACE, 4" (SPECIAL)	SQ YD	1000	1000	
X2140100	GRADING AND SHAPING DITCHES (SPECIAL)	FOOT	60	60	
X4404400	PAVEMENT REMOVAL (SPECIAL)	SQ YD	5283	5283	
X6026800	INLETS TO BE RECONSTRUCTED (SPECIAL)	EACH	1	1	

\* SPECIALTY ITEM

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DRAWN - S.D.K.	REVISED -						FITZGERRELL PARKING	FRANKLIN	49	6	
PLOT SCALE = 40.0000' / in.	CHECKED - R.H.D.	REVISED -		SCALE:	SHEET 4 OF 5 SHEETS	STA.	TO STA.	CONTRACT NO. 46932			
PLOT DATE = 4/16/2023	DATE - 4/14/23	REVISED -		ILLINOIS FED. AID PROJECT							

100% STATE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE	
				ROADWAY	
				0004	RURAL
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1	
* X8200002	FLOOD LIGHTING UNIT	EACH	5	5	
* X8360110	LIGHT POLE FOUNDATION, SPECIAL	FOOT	16	16	
Z0004002	BOLLARDS	EACH	6	6	
Z0010605	CLEANING DRAINAGE SYSTEM	L SUM	1	1	
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1	
X1400519	REMOVE AND REATTACH EX RECEPTACLE OUTLET APPARATUS ONTO LIGHT POLE	EACH	13	13	

\* SPECIALTY ITEM

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PLOT SCALE = 40.0000 ' / in.	DRAWN - S.D.K.	REVISED -						FITZGERRELL PARKING	FRANKLIN	49	7
PLOT DATE = 4/16/2023	CHECKED - R.H.D.	REVISED -		SCALE:	SHEET 5 OF 5 SHEETS	STA.	TO STA.	CONTRACT NO. 46932			
	DATE - 4/14/23	REVISED -						ILLINOIS FED. AID PROJECT			

**PAVING SCHEDULE**

STA.	LT/RT	STA.	LT/RT	SUB GRAN	AGG BSE CSE	BIT MATLS	BIT MATLS	HMA BC	HMA SURF CSE,	PCC PAV'T	PC CONCRETE	CRACK	CONC CURB	COMB CC&G	TRANSITIONAL	PREC CONC	PARKING LOT	
				MAT TY A 4" (SQ YD)	TY A 8" (SQ YD)	(PRIME COAT) (POUND)	(TACK COAT) (POUND)	IL-9.5 N50 (TON)	IL-9.5, MIX "C", N50 (TON)	8" (SQ YD)	5" (SQ FT)	FILLING (POUND)	TYPE B (FOOT)	TB-6.12 (FOOT)	COMB CC&G (FOOT)	PARK BLOCK (EACH)	SEAL COAT (GALLON)	
				31100300	35100700	40600275	40600290	40602978	40604050	42000300	42400200	45100200	60600605	60603800	60626500	X0301430	X0327308	
<b>MAIN PARK ROAD</b>																		
145+50.00		158+00.00										1192					701	
158+00.00		166+86.42										738					434	
166+86.42		170+16.58					587		110									
167+75.50	LT	167+95.65	LT										20					
167+83.36	RT	167+96.63	RT										16					
169+76.02	LT	170+09.38	LT	9										23				
170+16.58		178+83.82										898					528	
167+78.24	LT	167+93.57	LT	9							78							
167+86.05	RT	167+96.41	RT	5							40							
<b>WINDY LANE</b>																		
0+30.00		17+87.61					2673		499									
6+69.70	LT	6+79.70	LT											10				
9+12.45	LT	9+22.45	LT											10				
10.65.76	RT	10+75.76	RT											10				
10+82.78	LT	10+92.78	LT											10				
<b>HOTEL BOULEVARD</b>																		
50+11.52		56+74.72					1022		191							4.0		
<b>HORSESHOE BEND</b>																		
60+11.77		62+99.16			1408	2999	296	149	111									
59+93.10	LT	63+17.89	LT	258							2318		421					
60+22.52	RT	62+88.54	RT										254					
60+82.16	RT	62+56.72	RT	44							390							
<b>WINDOWS WAY</b>																		
70+09.50		71+83.20					368		69									
71+89.20		73+24.27					255		48									
73.30.20		74+69.77					343		64									
73+16.62	LT	73+33.16	LT	15							134							
<b>RESTAURANT SERVICE DRIVE</b>																		
							169		32									
<b>LAKESIDE DRIVE</b>																		
80+30.00		83+40.00					456		85									
81+25.93	RT	81+38.13	RT	28							248							
<b>CABIN ROAD 1</b>																		
100+25.00		102+39.62			690	1447	143	72	53									
102+39.62		103+41.81		316						287								
103+41.81		108+48.63			1722	3693	365	184	137									
102+27.68	RT	102+35.69	RT	19							168							
103+23.71	RT	103.32.86	RT	3							24							
103+46.81	RT	103+67.09	RT	12							108							
104+94.11	RT	104+99.56	RT	3							24							
104+96.83	LT	105+05.45	LT	4							28							
105+97.62	LT	106+09.64	LT	11							92							
107+44.41	LT	107+63.32	LT	30							262							
<b>CABIN ROAD 2</b>																		
200+25.00		206+68.88			2052	4392	434	219	162									
<b>HOTEL LOT 1</b>																		
300+11.50		302+35.75					1360		254									
<b>HOTEL LOT 2</b>																		
400+11.70		402+36.20					1360		254									
400+12.02	LT	400+76.27	LT										86					
400+67.30	LT	400+73.96	LT	25							217.0							
<b>HOTEL LOT 3</b>																		
500+12.30		502+36.45					1174		220									
<b>TRAILER PARKING LOT 1</b>																		
600+11.40		602+70.76										1680					988	
<b>TRAILER PARKING LOT 2</b>																		
700+11.23		702+49.74										1546					909	
<b>TOTAL</b>					791	5872	12531	11005	624	2289	287	4131	6054	711	126	23	4	3560

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PLOT DATE = 4/16/2023	DATE - 4/14/23	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SCHEDULE OF QUANTITIES  
WAYNE FITZGERRELL STATE RECREATION AREA**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	FITZGERRELL PARKING	FRANKLIN	49	8
			CONTRACT NO. 46932	
		ILLINOIS	FED. AID PROJECT	



DRAINAGE SCHEDULE									
STA.	LT/RT	STA.	LT/RT	METAL FL SEC 12" (EACH)	P CUL CL C 112 (FOOT)	CONTR LOW-STRENG MATL (CU YD)	INLETS TA T11 F&G (EACH)	INLETS RECONST SPL (EACH)	CLEAN DRAIN SYSTEM (L SUM)
SITE WIDE									1
MAIN PARK ROAD									
169+93.00, 13.7'	LT					3		1	
HORSESHOE BEND									
60+76.00, 11.30'	LT						1		
62+68.00, 18.00'	LT						1		
CABIN ROAD 1									
102+22.00, 24'	RT	102+40.33, 23.2'	RT		17				
102+22.00, 24'	RT			1					
102+40.33, 23.2'	RT			1					
CABIN ROAD 2									
200+28.00, 17.5'	LT			1					
200+42.00, 16.0'	RT			1					
<b>TOTAL =</b>				<b>4</b>	<b>17</b>	<b>3</b>	<b>2</b>	<b>1</b>	<b>1</b>

PAVEMENT MARKING & SIGNING SCHEDULE								
LOCATION	STATION	TO STATION	SIGN PANEL T1 SQ. FT.	TELE STL SIGN SUPPORT FOOT	THPL PVT MK LTR & SYM SQ. FT.	THPL PVT MK LINE 4 FOOT	THPL PVT MK LINE 6 FOOT	BOLLARDS (EACH)
SOUTH AREA			30	168	71.1	6340	2140	2
NORTH AREA			16	72	31	3977	1922	4
HORSESHOE BEND			20	168	12.4	485	761	
<b>TOTAL</b>			<b>66</b>	<b>408</b>	<b>115</b>	<b>10802</b>	<b>4823</b>	<b>6</b>

EROSION CONTROL SCHEDULE								
STA.	LT/RT	STA.	LT/RT	GRAD & SHAP DTCH (FOOT)	PERIMETER EROS BAR (FOOT)	INLET FILTERS (EACH)	GRAD & SHAP DTCH SPL (FOOT)	TOPSOIL F & P SPL (SQ YD)
ENTIRE PROJECT LIMITS								1000
SOUTH AREA								
5+75.00, 26.00'	LT					1		
100+23.00, 49.00'	RT					1		
100+24.00, 36.00'	LT					1		
101+71.00, 23.40'	RT	102+22.00, 24.00'	RT	50				
101+71.00, 23.40'	RT					1		
102+42.00, 23.00'	RT	103+21.00, 24.00'	RT	70				
102+90.00, 37.00'	LT	103+73.00, 32.00'	LT	105				
103+71.00, 32.00'	LT					1		
105+20.00, 27.00'	LT					1		
106+33.00, 18.00'	LT					1		
107+11.00, 17.00'	LT					1		
200+39.00, 20.00'	LT					1		
200+76.00, 12.00'	LT	204+90.00, 29.00'	LT		479			
206+30.00, 17.00'	LT					1		
NORTH AREA								
169+85.00, 70.00'	RT	169+93.00, 24.00'	RT				60	
170+07.00, 16.00'	LT					1		
<b>TOTAL =</b>				<b>225</b>	<b>479</b>	<b>11</b>	<b>60</b>	<b>1,000</b>

REMOVAL SCHEDULE																
STA.	LT/RT	STA.	LT/RT	OFF	TREE REM 6-15 (UNIT)	HMA SURF REM BUTT JT (SQ YD)	HMA SURF REM 1/2 (SQ YD)	HMA SURF REM 1 1/4 (SQ YD)	CURB REM (FOOT)	COMB CURB GUTTER REM (FOOT)	SIDEWALK REM (SQ FT)	PIPE CULVERT REMOV (FOOT)	STORM SEWER REM 12 (FOOT)	REMOV INLETS (EACH)	PAVMT MRKG REM GRIND (SQ FT)	PAVT REMOVAL SPL (SQ YD)
SOUTH AREA																
6+69.70, 10.22'	LT							16852	431		3308	16				5283
9+12.45, 10.10'	LT	9+22.45, 10.10'	LT							10						
9+62.77, 12.55'	RT	400+76.27, 63.55'	LT							10						
10+65.76, 38.40'	RT	10+75.76, 38.40'	RT							86						
10+82.78, 9.70'	LT	10+92.78, 9.56'	LT							10						
60+78.62, 6.50'	LT												6	1		
61+20.00, 40.50'	RT				18											
62+66.10, 12.50'	RT												6	1		
NORTH AREA																
81+26.00, 37.00'	RT	81+38.00, 9.80'	RT			114	2217				250					1358
81+26.33, 30.70'	RT	81+38.00, 9.20'	RT						33							
167+75.50, 11.60'	LT	167+95.65, 13.42'	LT						20							
167+83.40, 11.30'	RT	167+97.00, 16.30'	RT						16							
167+86.00, 12.00'	RT	167+96.40, 16.70'	RT								40					
167+92.00, 12.00'	LT	167+93.60, 12.10'	LT								79					
169+76.00, 11.75'	LT	170+09.40, 11.90'	LT						27							
<b>TOTAL =</b>					<b>18</b>	<b>114</b>	<b>2,217</b>	<b>16,852</b>	<b>527</b>	<b>126</b>	<b>3,677</b>	<b>16</b>	<b>12</b>	<b>2</b>	<b>1,358</b>	<b>5,283</b>

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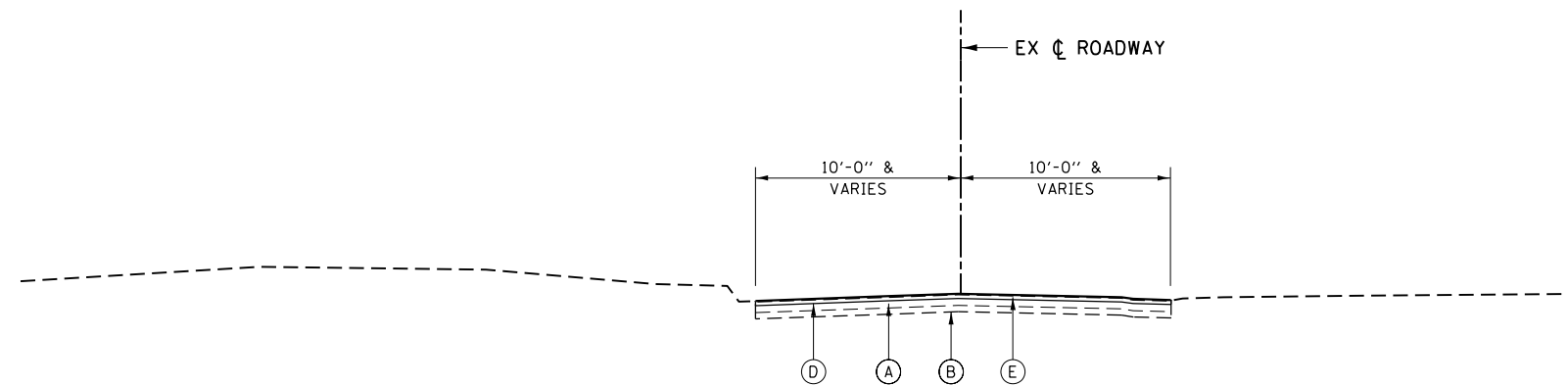
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	DATE - 4/14/23	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**SCHEDULE OF QUANTITIES**  
**WAYNE FITZGERRELL STATE RECREATION AREA**

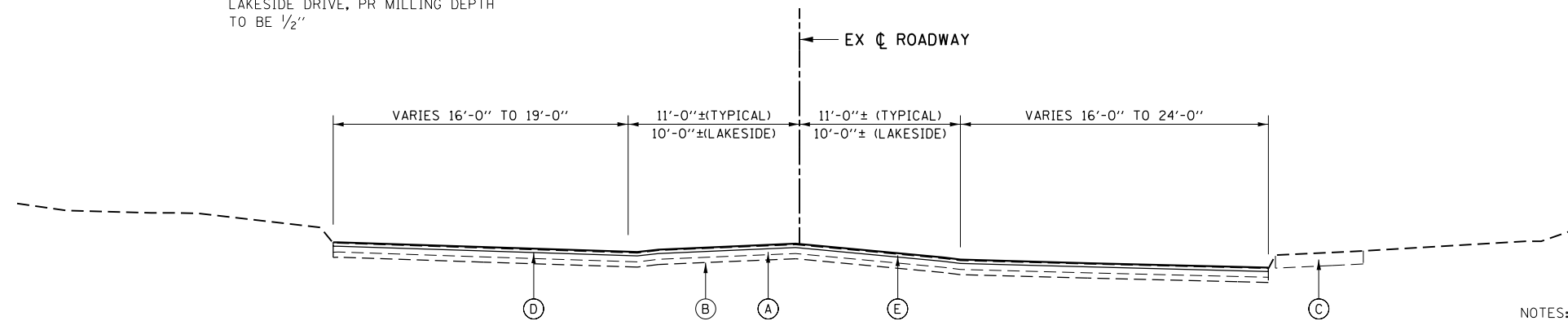
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	FITZGERRELL PARKING	FRANKLIN	49	9
			CONTRACT NO. 46932	
ILLINOIS		FED. AID PROJECT		



**TYPICAL SECTION ROADWAY ONLY - OVERLAY**  
 STA 166+86.42 TO STA 167+93.00 (MPR @ FLAGSHIP BOATEL)  
 STA 169+50.00 TO STA 170+16.58 (MPR @ FLAGSHIP BOATEL)  
 STA 0+30.00 TO STA 17+87.60 (WINDY LANE)  
 STA 50+11.00 TO STA 56+75.57 (HOTEL BLVD)  
 STA 80+30.00 TO STA 80+50.00 (LAKESIDE DRIVE)  
 STA 81+30.00 TO STA 83+40.00 (LAKESIDE DRIVE)

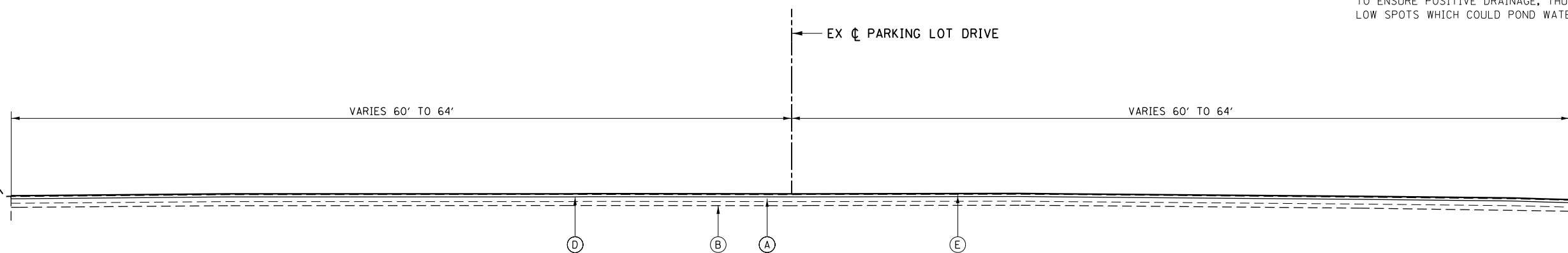
NOTE:  
 FOR MPR AT FLAGSHIP BOATEL AND  
 LAKESIDE DRIVE, PR MILLING DEPTH  
 TO BE 1/2"



**TYPICAL SECTION ROADWAY & ADJACENT PARKING - OVERLAY**  
 STA 167+93.00 TO STA 169+50.00 (MPR @ FLAGSHIP BOATEL)  
 STA 80+50.00 TO STA 81+30.00 (LAKESIDE DRIVE)

NOTES:  
 LIME MODIFICATION OF THE 12" OF EXISTING SOIL  
 BELOW THE EXISTING 2" BAM LAYER COULD NOT BE  
 DETERMINED BY CORES, BUT IS ASSUMED TO HAVE  
 BEEN INCORPORATED BASED ON THE STABILITY OF  
 THE SOIL AND ITS INCLUSION IN THE 1990 PLANS.

PROPOSED HMA SURFACING SHALL BE PLACED SO AS  
 TO ENSURE POSITIVE DRAINAGE, THUS ELIMINATING  
 LOW SPOTS WHICH COULD POND WATER.



**TYPICAL SECTION HOTEL PARKING LOTS - OVERLAY**  
 ISLAND OMISSIONS NOT SHOWN  
 STA 300+10.00 TO STA 318+36.50 (SOUTH - HOTEL LOT 1)  
 STA 400+10.00 TO STA 402+37.00 (CENTER - HOTEL LOT 2)  
 STA 500+10.00 TO STA 502+37.50 (NORTH - HOTEL LOT 3)

- LEGEND**
- (A) EXISTING BITUMINOUS SURFACE COURSE, 3/2"±
  - (B) EXISTING BAM BASE, 2"±
  - (C) EXISTING PCC SIDEWALK
  - (D) PROPOSED HMA SURFACE REMOVAL 1/4"
  - (E) PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, 1 1/2" MIN
  - (F) PROPOSED HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N50, 2"
  - (G) PROPOSED AGGREGATE BASE COURSE, TYPE A 8"
  - (H) PROPOSED PORTLAND CEMENT CONCRETE PAVEMENT 8"
  - (I) PROPOSED SUBBASE GRANULAR MATERIAL, TYPE A 4"
  - (J) PROPOSED CONCRETE BARRIER CURB, TYPE B-6
  - (K) PROPOSED PORTLAND CEMENT CONCRETE SIDEWALK 5"
  - (L) PROPOSED TOPSOIL FURNISH AND PLACE 4"

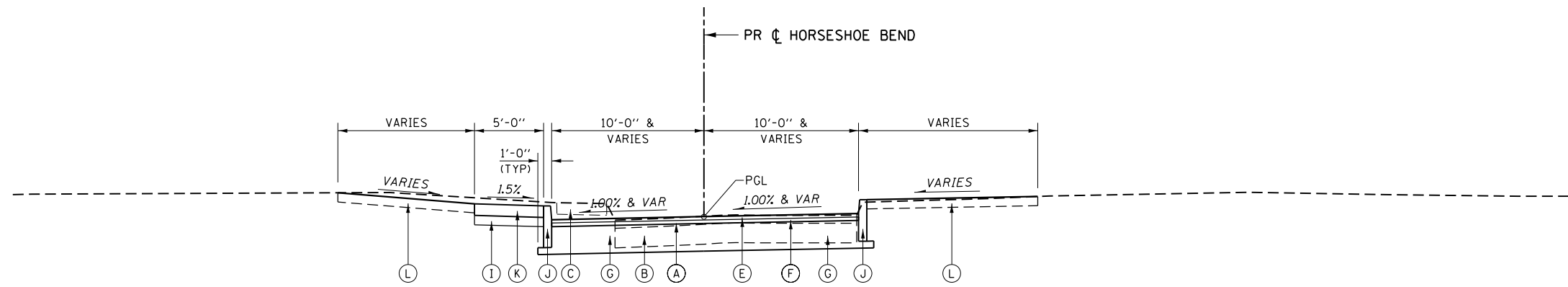
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
 DEPARTMENT OF NATURAL RESOURCES

TYPICAL SECTIONS - OVERLAY

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	FITZGERRELL PARKING	FRANKLIN	49	10
			CONTRACT NO. 46932	
		ILLINOIS	FED. AID PROJECT	

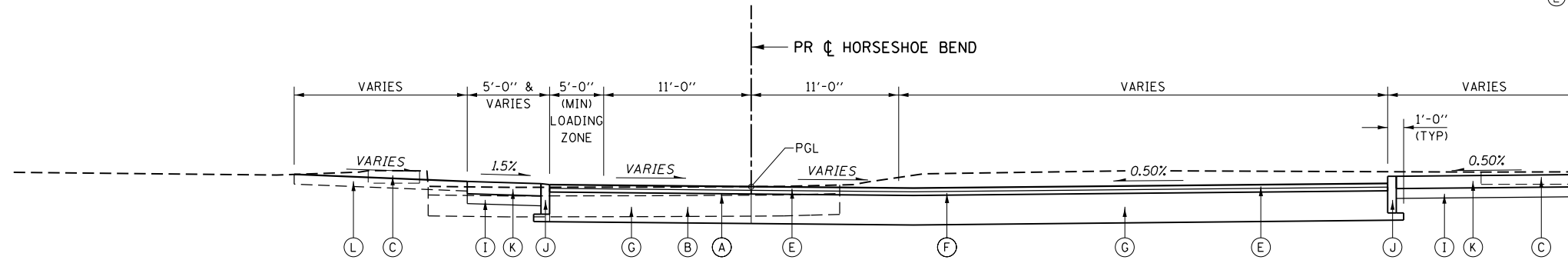
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PLOT DATE = 4/16/2023	DATE - 4/14/23	REVISED -

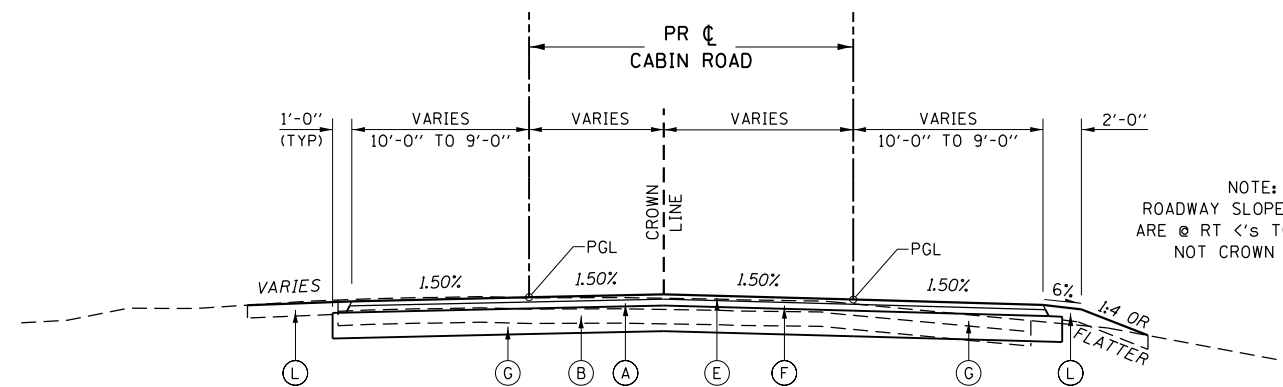


**TYPICAL SECTION H&CC ENTRANCE - RECONSTRUCT**  
 STA 60+11.77 TO STA 60+90.00 (HORSESHOE BEND)  
 STA 62+30.00 TO STA 62+99.16 (HORSESHOE BEND)

- LEGEND**
- (A) EXISTING BITUMINOUS SURFACE COURSE, 3 1/2"±
  - (B) EXISTING BAM BASE, 2"±
  - (C) EXISTING PCC SIDEWALK
  - (D) PROPOSED HMA SURFACE REMOVAL 1 1/4"
  - (E) PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, 1 1/2" MIN
  - (F) PROPOSED HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N50, 2"
  - (G) PROPOSED AGGREGATE BASE COURSE, TYPE A 8"
  - (H) PROPOSED PORTLAND CEMENT CONCRETE PAVEMENT 8"
  - (I) PROPOSED SUBBASE GRANULAR MATERIAL, TYPE A 4"
  - (J) PROPOSED CONCRETE BARRIER CURB, TYPE B-6
  - (K) PROPOSED PORTLAND CEMENT CONCRETE SIDEWALK 5"
  - (L) PROPOSED TOPSOIL FURNISH AND PLACE 4"



**TYPICAL SECTION H&CC ENTRANCE - RECONSTRUCT**  
 STA 60+90.00 TO STA 62+30.00 (HORSESHOE BEND)



**TYPICAL SECTION CABIN ROADS - RECONSTRUCT**  
 CL STA 105+00.00 TO RT STA 105+40.87 (CABIN ROAD 1)  
 CL STA 203+22.50 TO RT STA 203+58.59 (CABIN ROAD 2)

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**  
**DEPARTMENT OF NATURAL RESOURCES**

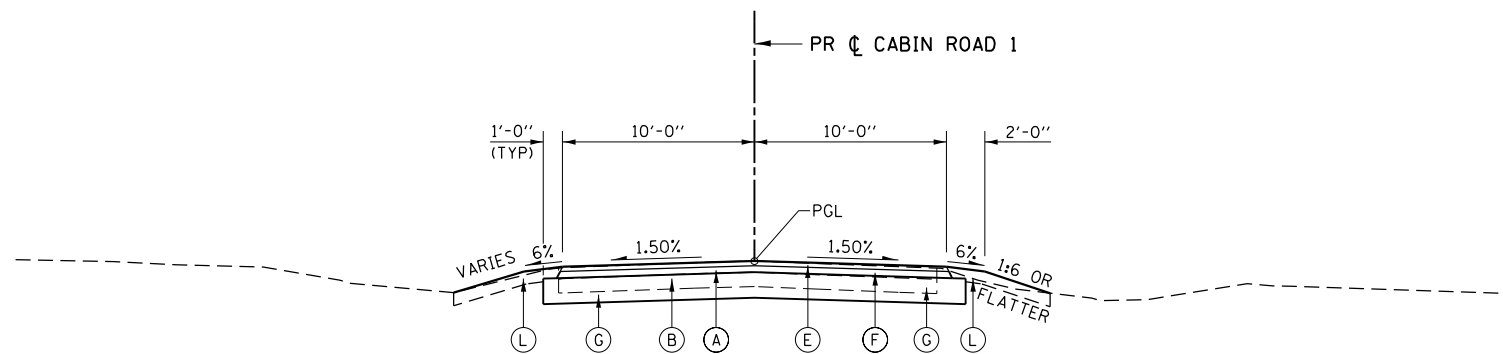
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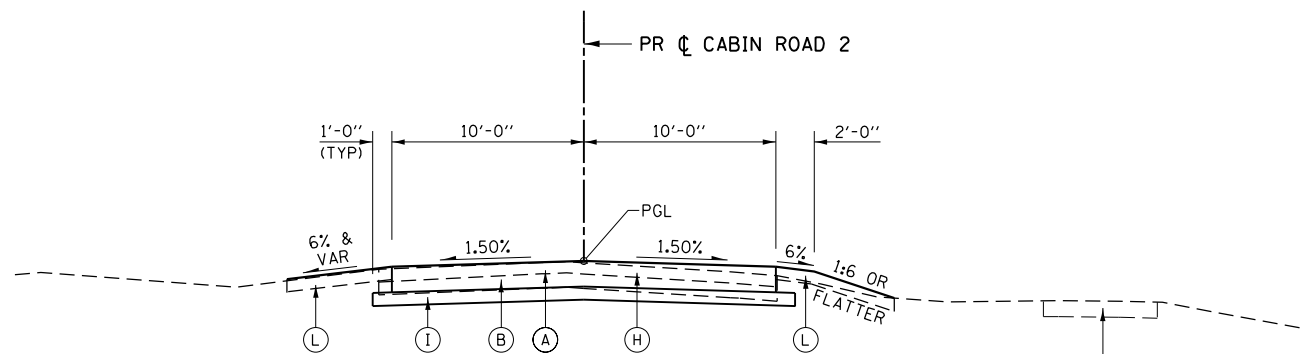
SCALE:	SHEET 2 OF 4 SHEETS	STA.	TO STA.
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	FITZGERRELL PARKING	FRANKLIN	49	11
			CONTRACT NO. 46932	
		ILLINOIS	FED. AID PROJECT	

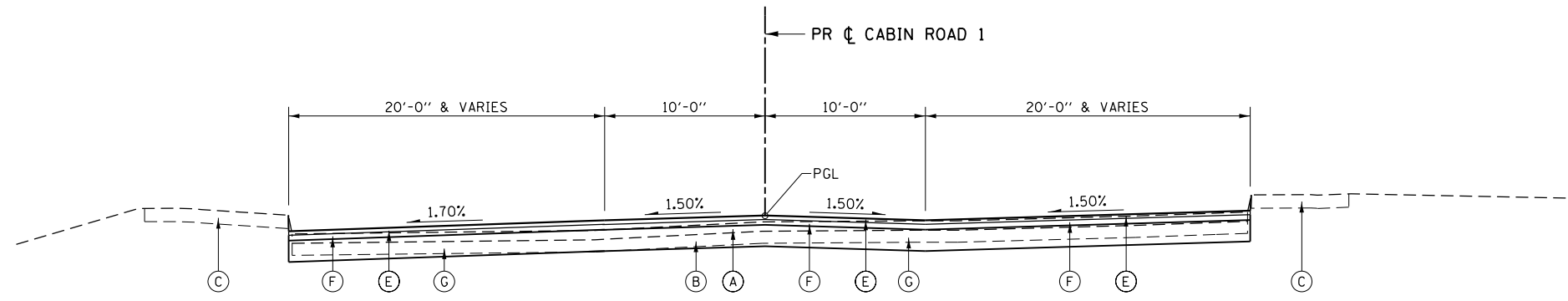
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**TYPICAL SECTION CABIN ROAD 1 - RECONSTRUCT**  
 STA 100+25.00 TO STA 101+60.67 (CABIN ROAD 1)  
 STA 104+28.07 TO STA 105+00.00 (CABIN ROAD 1)

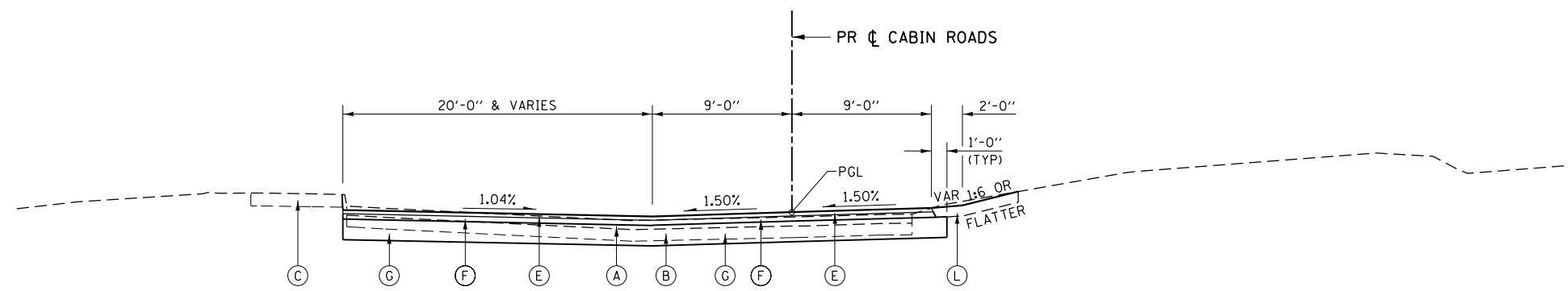


**TYPICAL SECTION CABIN ROAD 1 - RECONSTRUCT**  
 STA 102+39.62 TO STA 103+41.81 (CABIN ROAD 1)  
 STA 200+10.00 TO STA 200+25.00 (CABIN ROAD 2)



**TYPICAL SECTION CABIN ROAD 1 - RECONSTRUCT**  
 PARKING ON ONE OR BOTH SIDES  
 STA 101+60.67 TO STA 102+39.62 (CABIN ROAD 1)  
 STA 103+41.81 TO STA 104+28.07 (CABIN ROAD 1)

- LEGEND**
- (A) EXISTING BITUMINOUS SURFACE COURSE, 3 1/2"±
  - (B) EXISTING BAM BASE, 2"±
  - (C) EXISTING PCC SIDEWALK
  - (D) PROPOSED HMA SURFACE REMOVAL 1 1/4"
  - (E) PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, 1 1/2" MIN
  - (F) PROPOSED HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N50, 2"
  - (G) PROPOSED AGGREGATE BASE COURSE, TYPE A 8"
  - (H) PROPOSED PORTLAND CEMENT CONCRETE PAVEMENT 8"
  - (I) PROPOSED SUBBASE GRANULAR MATERIAL, TYPE A 4"
  - (J) PROPOSED CONCRETE BARRIER CURB, TYPE B-6
  - (K) PROPOSED PORTLAND CEMENT CONCRETE SIDEWALK 5"
  - (L) PROPOSED TOPSOIL FURNISH AND PLACE 4"



**TYPICAL SECTION CABIN ROAD CUL-DE-SACS - RECONSTRUCT**  
 STA 105+40.87 TO STA 106+08.94 (CABIN ROAD 1)  
 STA 106+54.35 TO STA 107+14.03 (CABIN ROAD 1)  
 STA 107+43.71 TO STA 108+16.66 (CABIN ROAD 1)  
 STA 204+82.68 TO STA 206+05.24 (CABIN ROAD 2)

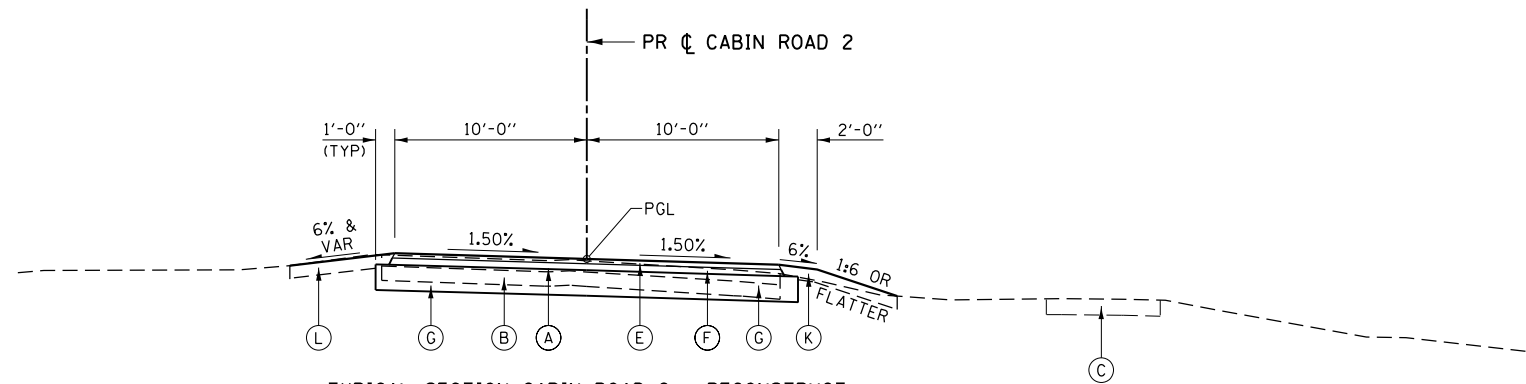
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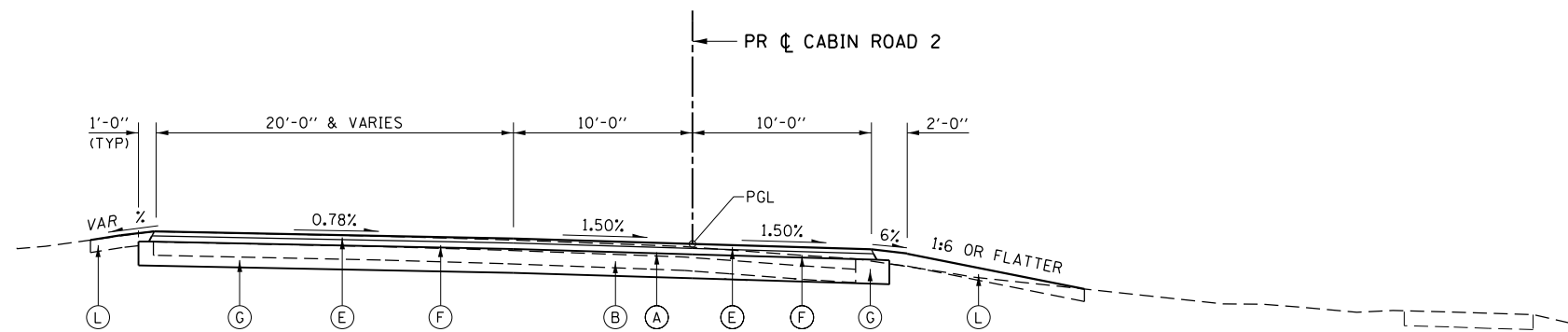
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**  
**DEPARTMENT OF NATURAL RESOURCES**

<b>TYPICAL SECTIONS - RECONSTRUCTION</b>	
SCALE:	SHEET 3 OF 4 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	FITZGERRELL PARKING	FRANKLIN	49	12
			CONTRACT NO. 46932	
		ILLINOIS	FED. AID PROJECT	

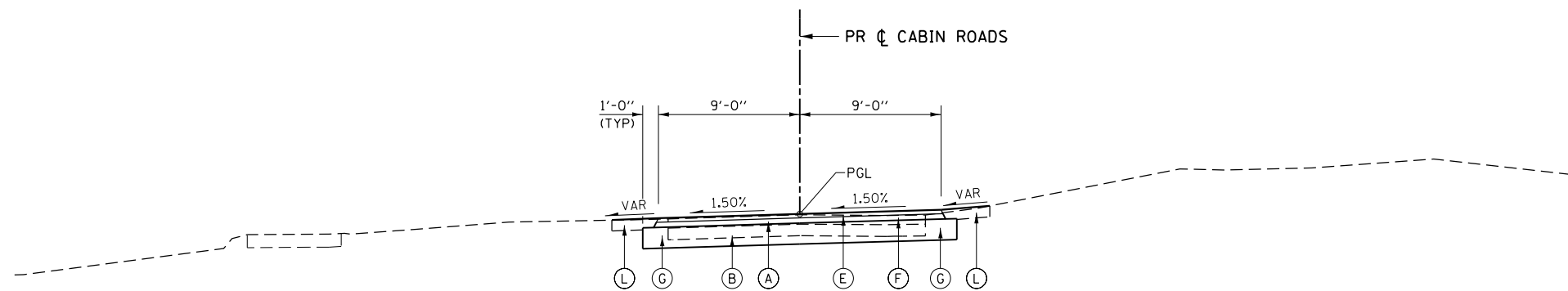


**TYPICAL SECTION CABIN ROAD 2 - RECONSTRUCT**  
 STA 200+25.00 TO STA 200+69.31 (CABIN ROAD 2)  
 STA 201+85.16 TO STA 202+23.14 (CABIN ROAD 2)



**TYPICAL SECTION CABIN ROAD 2 - RECONSTRUCT**  
 STA 200+69.31 TO STA 201+85.16 (CABIN ROAD 2) AS SHOWN  
 STA 202+23.14 TO STA 203+22.50 (CABIN ROAD 2) PARKING RIGHT SIDE

- LEGEND**
- (A) EXISTING BITUMINOUS SURFACE COURSE, 3/2"±
  - (B) EXISTING BAM BASE, 2"±
  - (C) EXISTING PCC SIDEWALK
  - (D) PROPOSED HMA SURFACE REMOVAL 1/4"
  - (E) PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, 1/2" MIN
  - (F) PROPOSED HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N50, 2"
  - (G) PROPOSED AGGREGATE BASE COURSE, TYPE A 8"
  - (H) PROPOSED PORTLAND CEMENT CONCRETE PAVEMENT 8"
  - (I) PROPOSED SUBBASE GRANULAR MATERIAL, TYPE A 4"
  - (J) PROPOSED CONCRETE BARRIER CURB, TYPE B-6
  - (K) PROPOSED PORTLAND CEMENT CONCRETE SIDEWALK 5"
  - (L) PROPOSED TOPSOIL FURNISH AND PLACE 4"



**TYPICAL SECTION CABIN ROAD CUL-DE-SACS - RECONSTRUCT**  
 STA 106+08.94 TO STA 106+54.35 (CABIN ROAD 1)  
 STA 107+14.03 TO STA 107+43.71 (CABIN ROAD 1)  
 STA 108+16.66 TO STA 108+24.00 (CABIN ROAD 1)  
 STA 203+58.59 TO STA 204+82.68 (CABIN ROAD 2)  
 STA 206+05.24 TO STA 206+43.84 (CABIN ROAD 2)

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**  
**DEPARTMENT OF NATURAL RESOURCES**

**TYPICAL SECTIONS - RECONSTRUCTION**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	FITZGERRELL PARKING	FRANKLIN	49	13
			CONTRACT NO. 46932	
			ILLINOIS FED. AID PROJECT	

MODEL: Default  
 FILE NAME: 200\_V and K Jobs\5271-041\_Rend Lake Resort - Survey & Design\CADD Streets\527011e - Typical Sections.dgn

USER NAME = jbeque	DESIGNED - JEB	REVISED -
	DRAWN - JEB	REVISED -
PLOT SCALE = 10,0000' / in.	CHECKED - RHD	REVISED -
PLOT DATE = 4/16/2023	DATE - 4/14/23	REVISED -

EX CURVE MPR 1  
 P.I. STA. 156+98.97  
 $\Delta = 61^\circ 57' 54''$  (LT)  
 $D = 5^\circ 00' 14''$   
 $R = 1,145.00'$   
 $T = 687.51'$   
 $L = 1,238.31'$   
 $E = 190.55'$   
 $e = \text{---}$   
 $T.R. = \text{---}$   
 $S.E. \text{ RUN} = \text{---}$   
 P.C. STA. 150+11.46  
 P.T. STA. 162+49.77

EX CURVE MPR 2  
 P.I. STA. 167+51.59  
 $\Delta = 89^\circ 21' 08''$  (LT)  
 $D = 104^\circ 10' 27''$   
 $R = 55.00'$   
 $T = 54.38'$   
 $L = 85.77'$   
 $E = 22.35'$   
 P.C. STA. 166+97.20  
 P.T. STA. 167+82.98

EX CURVE MPR 3  
 P.I. STA. 169+88.94  
 $\Delta = 90^\circ 38' 12''$  (LT)  
 $D = 143^\circ 14' 22''$   
 $R = 40.00'$   
 $T = 40.45'$   
 $L = 63.28'$   
 $E = 16.89'$   
 P.C. STA. 169+48.49  
 P.T. STA. 170+11.77

EX CURVE MPR 4  
 P.I. STA. 173+06.61  
 $\Delta = 8^\circ 05' 06''$  (RT)  
 $D = 5^\circ 43' 46''$   
 $R = 1,000.00'$   
 $T = 70.67'$   
 $L = 141.11'$   
 $E = 2.49'$   
 P.C. STA. 172+35.94  
 P.T. STA. 173+77.05

EX CURVE MPR 5  
 P.I. STA. 176+23.33  
 $\Delta = 96^\circ 22' 48''$  (LT)  
 $D = 143^\circ 14' 22''$   
 $R = 40.00'$   
 $T = 44.72'$   
 $L = 67.29'$   
 $E = 20.00'$   
 P.C. STA. 175+78.61  
 P.T. STA. 176+45.89

EX CURVE LAKESIDE 1  
 P.I. STA. 81+56.97  
 $\Delta = 99^\circ 06' 35''$  (LT)  
 $D = 190^\circ 59' 09''$   
 $R = 30.00'$   
 $T = 35.19'$   
 $L = 51.89'$   
 $E = 16.24'$   
 P.C. STA. 81+21.78  
 P.T. STA. 81+73.67

EX CURVE LAKESIDE 2  
 P.I. STA. 82+94.94  
 $\Delta = 66^\circ 43' 40''$  (LT)  
 $D = 176^\circ 17' 41''$   
 $R = 32.50'$   
 $T = 21.40'$   
 $L = 37.85'$   
 $E = 6.41'$   
 P.C. STA. 82+73.54  
 P.T. STA. 83+11.39

EX CURVE WINDY 1  
 P.I. STA. 1+91.13  
 $\Delta = 1^\circ 55' 40''$  (LT)  
 $D = 1^\circ 08' 45''$   
 $R = 5,000.00'$   
 $T = 84.13'$   
 $L = 168.24'$   
 $E = 0.71'$   
 P.C. STA. 1+07.00  
 P.T. STA. 2+75.24

EX CURVE WINDY 2  
 P.I. STA. 16+04.54  
 $\Delta = 16^\circ 05' 39''$  (LT)  
 $D = 11^\circ 27' 33''$   
 $R = 500.00'$   
 $T = 70.69'$   
 $L = 140.45'$   
 $E = 4.97'$   
 P.C. STA. 15+33.85  
 P.T. STA. 16+74.30

PR CURVE H&CC  
 P.I. STA. 63+03.33  
 $\Delta = 149^\circ 58' 53''$  (RT)  
 $D = 93^\circ 55' 39''$   
 $R = 61.00'$   
 $T = 227.51'$   
 $L = 159.68'$   
 $E = 174.54'$   
 P.C. STA. 60+75.82  
 P.T. STA. 62+35.50

EX CURVE CABIN 1-1  
 P.I. STA. 101+21.95  
 $\Delta = 36^\circ 20' 50''$  (RT)  
 $D = 57^\circ 17' 45''$   
 $R = 100.00'$   
 $T = 32.83'$   
 $L = 63.44'$   
 $E = 5.25'$   
 P.C. STA. 100+89.13  
 P.T. STA. 101+52.56

EX CURVE CABIN 1-2  
 P.I. STA. 101+98.82  
 $\Delta = 20^\circ 57' 48''$  (LT)  
 $D = 22^\circ 55' 06''$   
 $R = 100.00'$   
 $T = 46.25'$   
 $L = 91.47'$   
 $E = 4.24'$   
 P.C. STA. 101+52.56  
 P.T. STA. 102+44.03

EX CURVE CABIN 1-3  
 P.I. STA. 103+04.72  
 $\Delta = 62^\circ 30' 13''$  (RT)  
 $D = 57^\circ 17' 45''$   
 $R = 100.00'$   
 $T = 60.69'$   
 $L = 109.09'$   
 $E = 16.97'$   
 P.C. STA. 102+44.03  
 P.T. STA. 103+53.12

EX CURVE CABIN 1-4  
 P.I. STA. 105+05.51  
 $\Delta = 59^\circ 05' 47''$  (LT)  
 $D = 68^\circ 12' 33''$   
 $R = 84.00'$   
 $T = 47.62'$   
 $L = 86.64'$   
 $E = 12.56'$   
 P.C. STA. 104+57.89  
 P.T. STA. 105+44.53

EX CURVE CABIN 1-5  
 P.I. STA. 106+37.91  
 $\Delta = 90^\circ 28' 17''$  (RT)  
 $D = 143^\circ 14' 22''$   
 $R = 40.00'$   
 $T = 40.33'$   
 $L = 63.16'$   
 $E = 16.80'$   
 P.C. STA. 105+97.58  
 P.T. STA. 106+60.74

EX CURVE CABIN 1-6  
 P.I. STA. 108+08.63  
 $\Delta = 147^\circ 55' 59''$  (RT)  
 $D = 134^\circ 48' 49''$   
 $R = 42.50'$   
 $T = 147.89'$   
 $L = 109.73'$   
 $E = 111.37'$   
 P.C. STA. 106+60.74  
 P.T. STA. 107+70.47

EX CURVE CABIN 2-1  
 P.I. STA. 200+30.76  
 $\Delta = 27^\circ 22' 07''$  (RT)  
 $D = 71^\circ 37' 11''$   
 $R = 80.00'$   
 $T = 19.48'$   
 $L = 38.21'$   
 $E = 2.34'$   
 P.C. STA. 200+11.29  
 P.T. STA. 200+49.50

EX CURVE CABIN 2-2  
 P.I. STA. 202+63.22  
 $\Delta = 53^\circ 41' 46''$  (RT)  
 $D = 52^\circ 05' 13''$   
 $R = 110.00'$   
 $T = 55.68'$   
 $L = 103.09'$   
 $E = 13.29'$   
 P.C. STA. 202+07.54  
 P.T. STA. 203+10.63

EX CURVE CABIN 2-3  
 P.I. STA. 203+36.36  
 $\Delta = 26^\circ 19' 32''$  (LT)  
 $D = 52^\circ 05' 13''$   
 $R = 110.00'$   
 $T = 25.72'$   
 $L = 50.54'$   
 $E = 2.97'$   
 P.C. STA. 203+10.63  
 P.T. STA. 203+61.17

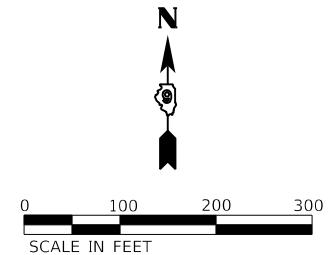
EX CURVE CABIN 2-4  
 P.I. STA. 204+59.24  
 $\Delta = 94^\circ 28' 58''$  (RT)  
 $D = 134^\circ 48' 49''$   
 $R = 42.50'$   
 $T = 45.96'$   
 $L = 70.08'$   
 $E = 20.10'$   
 P.C. STA. 204+13.27  
 P.T. STA. 204+83.36

EX CURVE CABIN 2-5  
 P.I. STA. 205+29.32  
 $\Delta = 94^\circ 28' 58''$  (RT)  
 $D = 134^\circ 48' 49''$   
 $R = 42.50'$   
 $T = 45.96'$   
 $L = 70.08'$   
 $E = 20.10'$   
 P.C. STA. 204+83.36  
 P.T. STA. 205+53.44

EX CURVE CABIN 2-6  
 P.I. STA. 205+66.33  
 $\Delta = 46^\circ 28' 58''$  (RT)  
 $D = 190^\circ 59' 09''$   
 $R = 30.00'$   
 $T = 12.88'$   
 $L = 24.34'$   
 $E = 2.65'$   
 P.C. STA. 205+53.44  
 P.T. STA. 205+77.78

EX CURVE WINDOWS 1  
 P.I. STA. 72+26.49  
 $\Delta = 90^\circ 00' 00''$  (RT)  
 $D = 286^\circ 28' 44''$   
 $R = 20.00'$   
 $T = 20.00'$   
 $L = 31.42'$   
 $E = 8.28'$   
 P.C. STA. 72+06.49  
 P.T. STA. 72+37.90

EX CURVE WINDOWS 2  
 P.I. STA. 72+94.37  
 $\Delta = 89^\circ 35' 49''$  (RT)  
 $D = 286^\circ 28' 44''$   
 $R = 20.00'$   
 $T = 19.86'$   
 $L = 31.28'$   
 $E = 8.19'$   
 P.C. STA. 72+74.51  
 P.T. STA. 73+05.79



MODEL: D:\proj\11-2023\11-2023-01-11-Alignments.dgn  
 FILE NAME: Z:\0\_V and K Jobs\15371-041\_Road Lakes Resort - Survey & Design\CADD Streets\15371-01-Alignments.dgn

USER NAME = jbeque	DESIGNED - JEB	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b> <b>DEPARTMENT OF NATURAL RESOURCES</b>	<b>ALIGNMENTS</b>		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
DRAWN - JEB	REVISED -	REVISED -		SCALE:	SHEET 1 OF 1 SHEETS	STA.	TO STA.	ILLINOIS	FED. AID PROJECT	
PLOT SCALE = 200,000' / in.	CHECKED - RHD	REVISED -								
PLOT DATE = 4/16/2023	DATE - 4/14/23	REVISED -								

EX CONCRETE SLAB  
(USE IN PLACE)  
DO NOT OVERLAY

40600982  
HMA SURFACE REMOVAL - BUTT JOINT  
AREA = 11 SQ YD

44000300  
CURB REMOVAL  
LENGTH = 16 FEET

44000600  
SIDEWALK REMOVAL  
AREA = 40 SQ FT  
SAW CUT = 5 FEET

40600982  
HMA SURFACE REMOVAL - BUTT JOINT  
AREA = 25 SQ YD

PARTIAL DEPTH SAW CUT  
LENGTH = 32 FEET

44000600  
SIDEWALK REMOVAL  
AREA = 79 SQ FT  
SAW CUT = 10 FEET

44000300  
CURB REMOVAL  
LENGTH = 20 FEET

44000151  
HMA SURFACE REMOVAL, 1/2"  
AREA = 1,253 SQ YD

78300201  
PAVEMENT MARKING REMOVAL - GRINDING  
(12 x 53') + (11 x 51') +  
(11 x 53') = 1780'  
1780' x 0.33' = 594 SQ FT

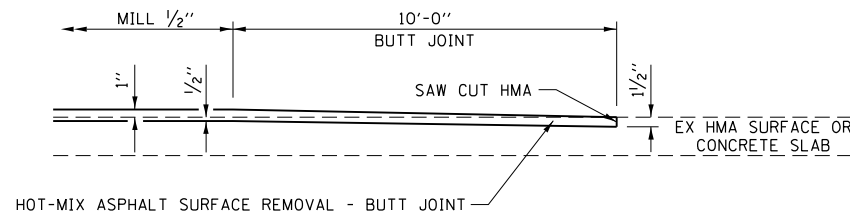
44000300  
CURB REMOVAL  
LENGTH = 27 FEET

PARTIAL DEPTH SAW CUT  
LENGTH = 25 FEET

78300201  
PAVEMENT MARKING REMOVAL - GRINDING  
37' + 31' = 68'  
68' x 0.50' = 34 SQ FT

40600982  
HMA SURFACE REMOVAL - BUTT JOINT  
AREA = 27 SQ YD

X2140100  
GRADING AND SHAPING DITCHES, SPECIAL  
SIDEWALK TO RIPRAP WITH 2' MINIMUM FLAT  
BOTTOM & 1:4 OR FLATTER SIDE SLOPES.  
LENGTH = 60 FEET



**BUTT JOINT DETAIL**



NOTE:  
SAW CUT LENGTHS ARE SHOWN  
FOR INFORMATION ONLY.  
SAW CUTS WILL NOT BE PAID AS  
A SEPARATE ITEM BUT SHALL BE  
CONSIDERED AS INCIDENTAL TO  
THE ITEM BEING REMOVED.

NOTE:  
SEE "ADA PARKING PLAN" SHEETS  
FOR FURTHER INFORMATION.

78300201  
PAVEMENT MARKING REMOVAL - GRINDING  
(12 x 51') + (13 x 48') +  
(14 x 51') = 1950'  
1950' x 0.33' = 650 SQ FT

78300201  
PAVEMENT MARKING REMOVAL - GRINDING  
79' + 81' = 160'  
160' x 0.50' = 80 SQ FT

PARTIAL DEPTH SAW CUT  
LENGTH = 25 FEET

40600982  
HMA SURFACE REMOVAL - BUTT JOINT  
AREA = 27 SQ YD

PARTIAL DEPTH SAW CUT  
LENGTH = 25 FEET

44000300  
CURB REMOVAL  
LENGTH = 33 FEET

44000600  
SIDEWALK REMOVAL  
AREA = 250 SQ FT  
SAW CUTS 6'+6'+6' = 18 FEET

40600982  
HMA SURFACE REMOVAL - BUTT JOINT  
AREA = 24 SQ YD

44000151  
HMA SURFACE REMOVAL, 1/2"  
AREA = 964 SQ YD

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DEPARTMENT OF NATURAL RESOURCES

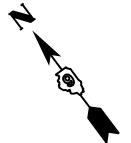
NORTH AREA REMOVAL PLAN

USER NAME = jbeque	DESIGNED - JEB	REVISED -
PLOT SCALE = 50.0000' / in.	DRAWN - JEB	REVISED -
PLOT DATE = 4/16/2023	CHECKED - RHD	REVISED -
	DATE - 4/14/23	REVISED -

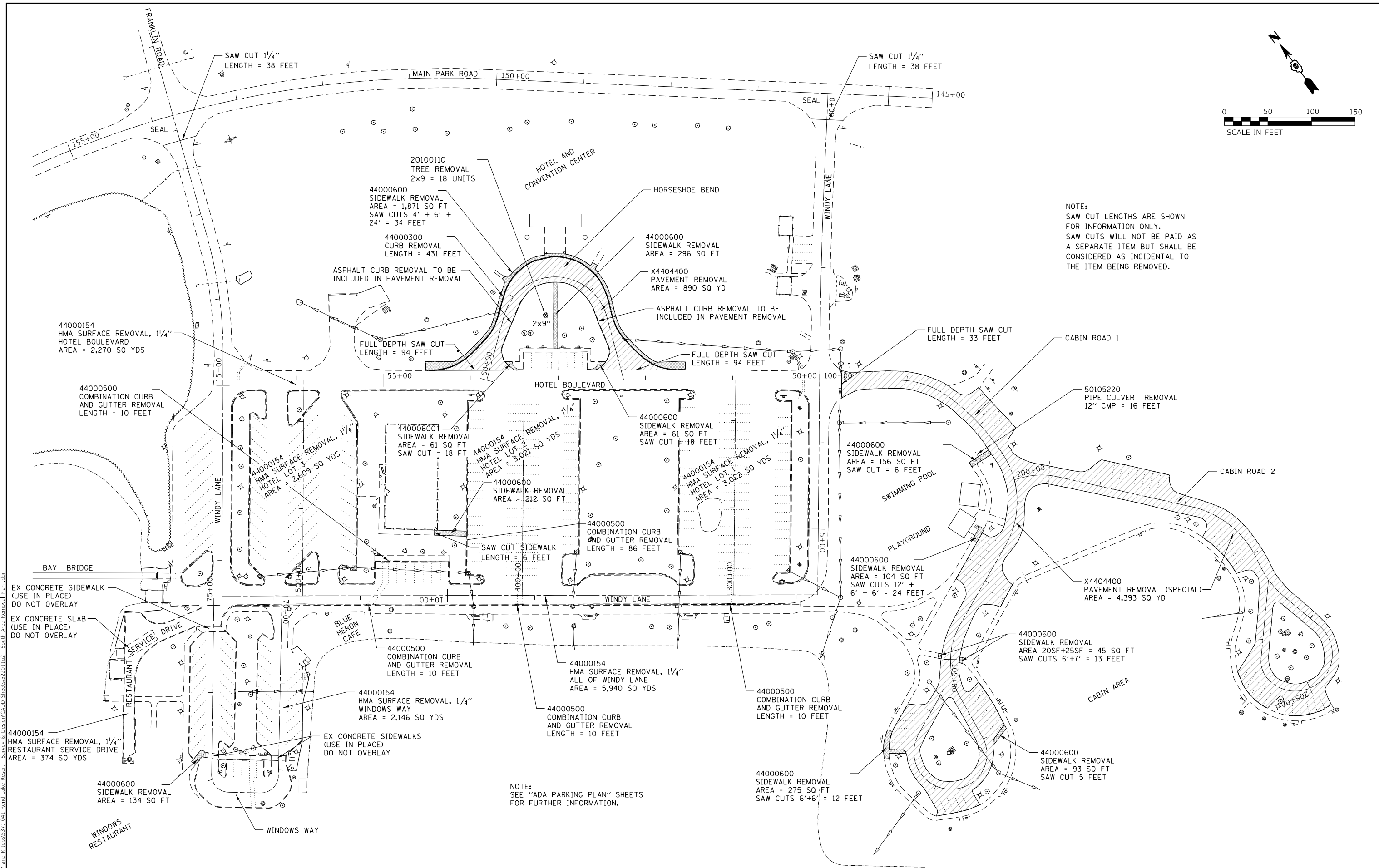
SCALE: SHEET 1 OF 2 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	FITZGERRELL PARKING	FRANKLIN	49	15
CONTRACT NO. 46932				
ILLINOIS FED. AID PROJECT				

MODEL: D:\draft\FILE NAME: Z:\0\_V and K Jobs\5371-041 Road Lake Resort - Surveys & Design\CADD Sheets\52201\01 - North Area Removal Plan.dgn



NOTE:  
SAW CUT LENGTHS ARE SHOWN FOR INFORMATION ONLY.  
SAW CUTS WILL NOT BE PAID AS A SEPARATE ITEM BUT SHALL BE CONSIDERED AS INCIDENTAL TO THE ITEM BEING REMOVED.



NOTE:  
SEE "ADA PARKING PLAN" SHEETS FOR FURTHER INFORMATION.

EX CONCRETE SIDEWALK (USE IN PLACE) DO NOT OVERLAY  
EX CONCRETE SLAB (USE IN PLACE) DO NOT OVERLAY

EX CONCRETE SIDEWALKS (USE IN PLACE) DO NOT OVERLAY

MODEL: Default  
FILE NAME: Z:\0\_V and K Jobs\15371-041 Road Lake Resort - Survey & Design\CADD Streets\152201102 - South Area Removal Plan.dgn  
DATE: 4/16/2023

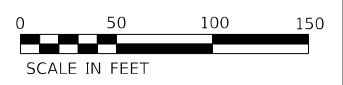
USER NAME = jbeque	DESIGNED - JEB	REVISED -
	DRAWN - JEB	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - RHD	REVISED -
PLOT DATE = 4/16/2023	DATE - 4/14/23	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DEPARTMENT OF NATURAL RESOURCES**

<b>SOUTH AREA REMOVAL PLAN</b>	
SCALE:	TO STA.
SHEET 2 OF 2 SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	FITZGERRELL PARKING	FRANKLIN	49	16
			CONTRACT NO. 46932	
ILLINOIS FED. AID PROJECT				



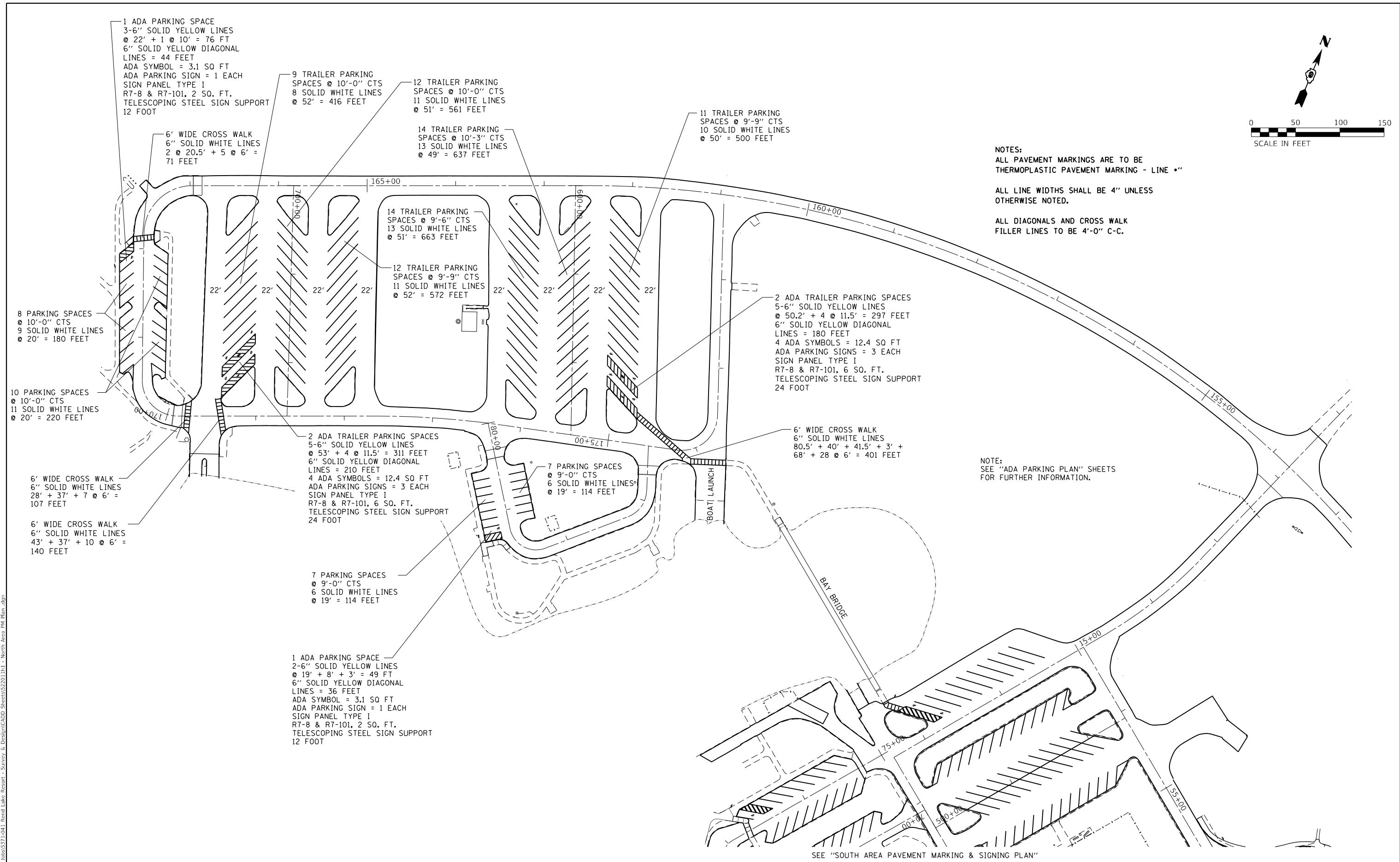


NOTES:  
ALL PAVEMENT MARKINGS ARE TO BE THERMOPLASTIC PAVEMENT MARKING - LINE \*\*

ALL LINE WIDTHS SHALL BE 4" UNLESS OTHERWISE NOTED.

ALL DIAGONALS AND CROSS WALK FILLER LINES TO BE 4'-0" C-C.

NOTE:  
SEE "ADA PARKING PLAN" SHEETS FOR FURTHER INFORMATION.



SEE "SOUTH AREA PAVEMENT MARKING & SIGNING PLAN"

MODEL: Default  
FILE NAME: Z:\0\_V and K Jobs\5271-041 Reard Lake Resort - Survey & Design\CADD Streets\5271011 - North Area PM Plan.dgn  
DATE: 4/16/2023

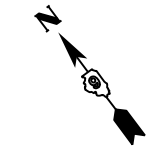
USER NAME = jbeque	DESIGNED - JEB	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN - JEB	REVISED -
PLOT DATE = 4/16/2023	CHECKED - RHD	REVISED -
	DATE - 4/14/23	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DEPARTMENT OF NATURAL RESOURCES**

**NORTH AREA PAVEMENT MARKING & SIGNING PLAN**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	FITZGERRELL PARKING	FRANKLIN	49	17
			CONTRACT NO. 46932	
		ILLINOIS	FED. AID PROJECT	



NOTE:  
SEE "ADA PARKING PLAN" SHEETS  
AND "HORSESHOE BEND PAVEMENT  
MARKING AND SIGNING PLAN"  
FOR FURTHER INFORMATION.

NOTES:  
ALL PAVEMENT MARKINGS ARE TO BE  
THERMOPLASTIC PAVEMENT MARKING - LINE "•"

ALL LINE WIDTHS SHALL BE 4" UNLESS  
OTHERWISE NOTED.

ALL DIAGONALS AND CROSS WALK  
FILLER LINES TO BE 4'-0" C-C.

HOTEL AND  
CONVENTION CENTER

THERMOPLASTIC PAVEMENT  
MARKINGS - LETTERS AND  
SYMBOLS; 1 LEFT TURN  
ARROW AND 1 RIGHT TURN  
ARROW = 15.6 SQ FT

THERMOPLASTIC PAVEMENT  
MARKINGS - LETTERS AND  
SYMBOLS;  
2 THRU ARROWS = 9.0 SQ FT

24 PARKING SPACES  
@ 9'-6" CTS  
11 SOLID WHITE LINES  
@ 24' + 2 @ 14' +  
165' = 765 FEET

1 ADA PARKING SPACE  
2-6" SOLID YELLOW LINES  
@ 24' + 8' = 56 FT  
6" SOLID YELLOW DIAGONAL  
LINES = 36 FEET  
ADA SYMBOL = 3.1 SQ FT  
SIGN PANEL TYPE I  
R7-8 & R7-101, 2 SQ. FT.  
TELESCOPING STEEL SIGN SUPPORT  
24 FOOT

12 PARKING SPACES  
@ 10'-0" CTS  
13 SOLID WHITE LINES  
@ 24' + 15' + 10'  
= 337 FEET

12 TRAILER PARKING  
SPACES @ 10'-0" CTS  
9 SOLID WHITE LINES  
@ 43' = 387 FEET

1 ADA TRAILER PARKING SPACE  
3-6" SOLID YELLOW LINES  
@ 43' + 2 @ 11' = 151 FEET  
6" SOLID YELLOW DIAGONAL  
LINES = 87 FEET  
2-ADA SYMBOLS = 6.2 SQ FT  
SIGN PANEL TYPE I  
R7-8 & R7-101, 4 SQ. FT.  
TELESCOPING STEEL SIGN SUPPORT  
12 FOOT

6' WIDE CROSS WALK  
6" SOLID WHITE LINES  
2 @ 20.5' + 5 @ 6' =  
71 FEET

8 PARKING SPACES  
@ 9'-0" CTS  
7 SOLID WHITE LINES  
@ 27' = 189 FEET

10 PARKING SPACES  
@ 9'-0" CTS  
9 SOLID WHITE LINES  
@ 25' = 225 FEET

1 ADA PARKING SPACE  
2-6" SOLID YELLOW LINES  
@ 27' + 20' + 12' = 86 FT  
6" SOLID YELLOW DIAGONAL  
LINES = 55 FEET  
ADA SYMBOL = 3.1 SQ FT  
SIGN PANEL TYPE I  
R7-8 & R7-101, 2 SQ. FT.  
TELESCOPING STEEL SIGN SUPPORT  
12 FOOT

3 PARKING SPACES  
@ 9'-0" CTS  
2 SOLID WHITE LINES  
@ 20' = 40 FEET

6' WIDE CROSS WALK  
6" SOLID WHITE LINES  
2 @ 34.5' + 8 @ 6' =  
117 FEET

1 ADA PARKING SPACE  
2-6" SOLID YELLOW LINES  
@ 20' + 8' + 4' = 52 FT  
6" SOLID YELLOW DIAGONAL  
LINES = 36 FEET  
ADA SYMBOL = 3.1 SQ FT  
SIGN PANEL TYPE I  
R7-8 & R7-101, 2 SQ. FT.  
TELESCOPING STEEL SIGN SUPPORT  
12 FOOT

5 PARKING SPACES  
@ 9'-0" CTS  
4 SOLID WHITE LINES  
@ 24' = 96 FEET

6' WIDE CROSS WALK  
6" SOLID WHITE LINES  
2 @ 34.5' + 8 @ 6' =  
117 FEET

2 ADA PARKING SPACES  
4-6" SOLID YELLOW LINES  
@ 20' = 80 FEET  
6" SOLID YELLOW DIAGONAL  
LINES = 36 FEET  
2 ADA SYMBOLS = 6.2 SQ FT  
SIGN PANEL TYPE I  
R7-8 & R7-101, 4 SQ. FT.  
TELESCOPING STEEL SIGN SUPPORT  
24 FOOT

6' WIDE CROSS WALK  
6" SOLID WHITE LINES  
2 @ 34.5' + 8 @ 6' =  
117 FEET

3 PARKING SPACES  
@ 9'-0" CTS  
2 SOLID WHITE LINES  
@ 21.5' = 43 FEET

5 PARKING SPACES  
@ 9'-0" CTS  
4 SOLID WHITE LINES  
@ 19' = 76 FEET

36 PARKING SPACES  
@ 10'-0" CTS  
36 SOLID WHITE LINES  
@ 18' + 18 @ 10'  
= 828 FEET

19 PARKING SPACES  
@ 10'-0" CTS  
19 SOLID WHITE LINES  
@ 18' + 10' = 352 FEET

7 PARKING SPACES  
@ 9'-0" CTS  
6 SOLID WHITE LINES  
@ 18.5' = 111 FEET

7 PARKING SPACES  
@ 10'-0" CTS  
7 SOLID WHITE LINES  
@ 19' = 133 FEET

1 ADA PARKING SPACE  
3-6" SOLID YELLOW LINES  
@ 20' = 60 FEET  
6" SOLID YELLOW DIAGONAL  
LINES = 36 FEET  
ADA SYMBOL = 3.1 SQ FT  
SIGN PANEL TYPE I  
R7-8 & R7-101, 2 SQ. FT.  
TELESCOPING STEEL SIGN SUPPORT  
12 FOOT

6 PARKING SPACES  
PLACED RADIALLY  
@ 9'-6" MIN CTS  
5 SOLID WHITE LINES  
@ 20' = 100 FEET

3 PARKING SPACES  
@ 10'-0" CTS  
2 SOLID WHITE LINES  
@ 19' = 38 FEET

"KEEP RIGHT" SIGNS  
2 EACH REQUIRED

5 PARKING SPACES  
PARALLEL TO NORTH  
EOP @ 10'-0" CTS  
4 SOLID WHITE LINES  
@ 19' = 76 FEET

5 PARKING SPACES  
PLACED RADIALLY  
@ 9'-0" MIN CTS  
4 SOLID WHITE LINES  
@ 18.25' = 73 FEET

5 PARKING SPACES  
@ 9'-0" CTS  
4 SOLID WHITE LINES  
@ 24' + 20' + 17' +  
16' = 77 FEET

MODEL: Default  
FILE NAME: 210\_V and K Jobs\5271-041 Rend Lake Resort - Survey & Design\CADD Sheets\2201112 - South Area Plan.dgn  
DATE: 4/16/2023

USER NAME = jbeque	DESIGNED - JEB	REVISED -
	DRAWN - JEB	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - RHD	REVISED -
PLOT DATE = 4/16/2023	DATE - 4/14/23	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**  
**DEPARTMENT OF NATURAL RESOURCES**

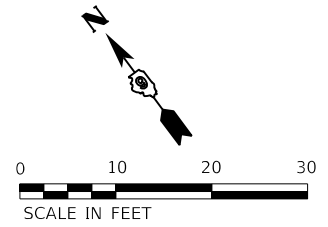
**SOUTH AREA PAVEMENT MARKING & SIGNING PLAN**

SCALE: SHEET 2 OF 3 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	FITZGERRELL PARKING	FRANKLIN	49	18
			CONTRACT NO. 46932	
		ILLINOIS	FED. AID PROJECT	

PROP. CURVE HACC1  
 P.I. STA. 63+03.33  
 $\Delta = 149^\circ 58' 53''$  (RT)  
 $D = 93^\circ 55' 39''$   
 $R = 61.00'$   
 $T = 227.51'$   
 $L = 159.68'$   
 $E = 174.54'$   
 P.C. STA. 60+75.82  
 P.T. STA. 62+35.50

SIGN PANEL-TYPE 1, 12" x 18"  
 TELESCOPING STEEL SIGN SUPPORT  
 "LOADING ZONE - NO PARKING"  
 2 EACH REQUIRED  
 SIGN PANEL TYPE I  
 3 SO. FT.  
 TELESCOPING STEEL SIGN SUPPORT  
 24 FOOT



LOADING ZONE TAPER  
 2 SOLID YELLOW LINES  
 $48' + 7' = 55$  FEET  
 6" SOLID YELLOW DIA-  
 GONAL LINES = 32 FEET

DOTTED LINE  
 (2' LINE, 6' GAP)  
 WHITE = 20 FEET

6' WIDE CROSS WALK  
 6" SOLID WHITE LINES  
 $2 @ 61' + 15 @ 6' = 212$  FEET

LOADING ZONE TAPER  
 2 SOLID YELLOW LINES  
 $48' + 7' = 55$  FEET  
 6" SOLID YELLOW DIA-  
 GONAL LINES = 32 FEET

NOTES:  
 ALL PAVEMENT MARKINGS ARE TO BE  
 THERMOPLASTIC PAVEMENT MARKING - LINE "P"

ALL LINE WIDTHS SHALL BE 4" UNLESS  
 OTHERWISE NOTED.

ALL DIAGONALS AND CROSS WALK  
 FILLER LINES TO BE 4'-0" C-C.

SKIP DASH CENTERLINE SHOWN IS ON  
 PROPOSED  $\dot{C}$  OF HORSESHOE BEND.

DOTTED LINE  
 (2' LINE, 6' GAP)  
 WHITE = 28 FEET

PARKING SAFETY ZONE  
 SOLID WHITE EDGE LINES  
 $26.3' + 9.2' + 1.3 + 41.2 = 78$  FEET  
 6" SOLID WHITE DIAGONAL LINES = 55 FEET

PARKING SAFETY ZONE  
 SOLID WHITE EDGE LINES  
 $22.3' + 15.7' + 19.0 = 57$  FEET  
 6" SOLID WHITE DIAGONAL LINES = 51 FEET

"15 MINUTE PARKING  
 FOR HOTEL  
 REGISTRATION"  
 SIGNS = 4 EACH  
 SIGN PANEL TYPE I  
 6 SO. FT.  
 TELESCOPING STEEL SIGN SUPPORT  
 48 FOOT

PARKING SAFETY ZONES  
 SOLID WHITE EDGE LINES  
 $23.5' + 3.5' + 9.2 +$   
 $1.3 + 18.5 = 56$  FEET  
 6" SOLID WHITE DIA-  
 GONAL LINES = 51 FEET

PARKING BLOCKS  
 4 EACH

SIGN PANEL-TYPE 1, 12" x 18"  
 TELESCOPING STEEL SIGN SUPPORT  
 "DO NOT ENTER"  
 2 EACH REQUIRED  
 SIGN PANEL TYPE I  
 3 SO. FT.  
 TELESCOPING STEEL SIGN SUPPORT  
 24 FOOT

+22.97  
 0.00' RT

PR  $\dot{C}$   
 HORSESHOE BEND

PR  $\dot{C}$   
 HORSESHOE BEND

EX  $\dot{C}$  HOTEL BOULEVARD

$\dot{C}$  STA 53+81.85 (HOTEL BOULEVARD) =  
 $\dot{C}$  STA 60+00.00 (HORSESHOE BEND)

2 ADA PARKING SPACES  
 4-6" SOLID YELLOW LINES  
 $@ 19' + 16' = 92$  FT  
 6" SOLID YELLOW DIA-  
 GONAL LINES = 72 FEET  
 ADA SYMBOLS = 6.2 SO FT  
 SIGN PANEL TYPE I  
 R7-8 & R7-101, 4 SO. FT.  
 TELESCOPING STEEL SIGN SUPPORT  
 24 FOOT

2 ADA PARKING SPACES  
 4-6" SOLID YELLOW LINES  
 $@ 19' + 16' = 92$  FT  
 6" SOLID YELLOW DIA-  
 GONAL LINES = 72 FEET  
 ADA SYMBOLS = 6.2 SO FT  
 SIGN PANEL TYPE I  
 R7-8 & R7-101, 4 SO. FT.  
 TELESCOPING STEEL SIGN SUPPORT  
 24 FOOT

SIGN PANEL-TYPE 1, 12" x 18"  
 TELESCOPING STEEL SIGN SUPPORT  
 "ENTER"  
 2 EACH REQUIRED  
 SIGN PANEL TYPE I  
 3 SO. FT.  
 TELESCOPING STEEL SIGN SUPPORT  
 24 FOOT

NOTE:  
 SEE "ADA PARKING PLAN" SHEETS  
 FOR FURTHER INFORMATION.

THERMOPLASTIC PAVEMENT MARKING -  
 LETTERS & SYMBOLS  
 "INTERNATIONAL SYMBOL  
 OF ACCESSIBILITY"

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
 DEPARTMENT OF NATURAL RESOURCES

HORSESHOE BEND  
 PAVEMENT MARKING AND SIGNING PLAN

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	FITZGERRELL PARKING	FRANKLIN	49	19
ILLINOIS FED. AID PROJECT			CONTRACT NO. 46932	

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	- JEB	-
	- RHD	-
	-	-

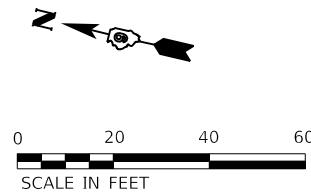
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	-	-

PLOT DATE
= 4/16/2023



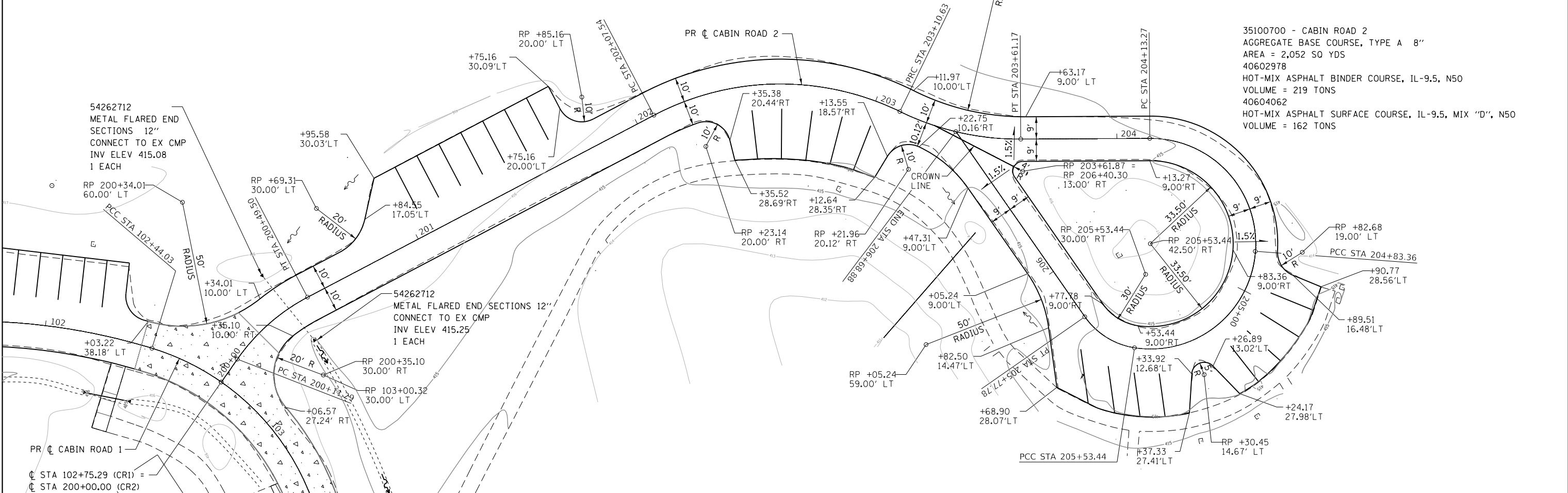


PR CURVE CABIN ROAD 2-1 P.I. STA. 200+30.76 $\Delta = 27^\circ 22' 07''$ (RT) D = 71° 37' 11" R = 80.00' T = 19.48' L = 38.21' E = 2.34' P.C. STA. 200+11.29 P.T. STA. 200+49.50	PR CURVE CABIN ROAD 2-2 P.I. STA. 202+63.22 $\Delta = 53^\circ 41' 46''$ (RT) D = 52° 05' 13" R = 110.00' T = 55.68' L = 103.09' E = 13.29' P.C. STA. 202+07.54 P.T. STA. 203+10.63	PR CURVE CABIN ROAD 2-3 P.I. STA. 203+36.36 $\Delta = 26^\circ 19' 32''$ (LT) D = 52° 05' 13" R = 110.00' T = 25.72' L = 50.54' E = 2.97' P.C. STA. 203+10.63 P.T. STA. 203+61.17	PR CURVE CABIN ROAD 2-4 P.I. STA. 204+59.24 $\Delta = 94^\circ 28' 58''$ (RT) D = 134° 48' 49" R = 42.50' T = 45.96' L = 70.08' E = 20.10' P.C. STA. 204+13.27 P.T. STA. 204+83.36	PR CURVE CABIN ROAD 2-5 P.I. STA. 205+29.32 $\Delta = 94^\circ 28' 58''$ (RT) D = 134° 48' 49" R = 42.50' T = 45.96' L = 70.08' E = 20.10' P.C. STA. 204+83.36 P.T. STA. 205+53.44	PR CURVE CABIN ROAD 2-6 P.I. STA. 205+66.33 $\Delta = 46^\circ 28' 58''$ (RT) D = 190° 59' 09" R = 30.00' T = 12.88' L = 24.34' E = 2.65' P.C. STA. 205+53.44 P.T. STA. 205+77.78
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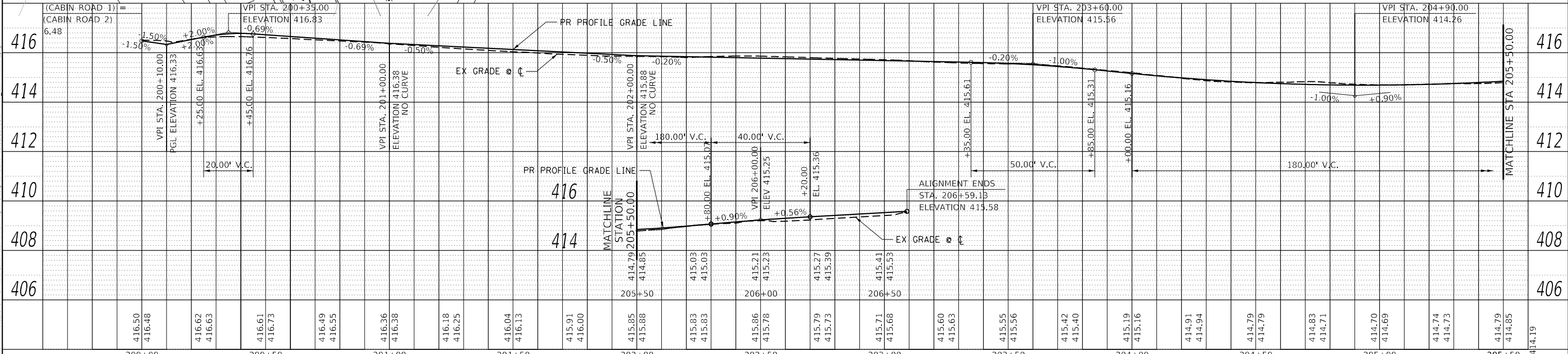


DATE	
BY	
PLAN	SURVEYED
	PLOTTED
	ALIGNED
	CHECKED
	NO. _____
	NO. _____
	NO. _____

DATE	
BY	
PROFILE	SURVEYED
	PLOTTED
	GRADES CHECKED
	STRUCTURE NOTATIONS CHECKED
	NO. _____
	NO. _____
	NO. _____



35100700 - CABIN ROAD 2  
AGGREGATE BASE COURSE, TYPE A 8"  
AREA = 2,052 SQ YDS  
40602978  
HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N50  
VOLUME = 219 TONS  
40604062  
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50  
VOLUME = 162 TONS



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DEPARTMENT OF NATURAL RESOURCES

PLAN & PROFILE  
CABIN ROAD 2

USER NAME = jbeque	DESIGNED - JEB	REVISED -	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT DATE = 4/16/2023	CHECKED - RHD	REVISED -	CONTRACT NO. 46932				
DATE = 4/14/23	DATE = 4/14/23	REVISED -	ILLINOIS FED. AID PROJECT				

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

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NOTE:  
 MAIN PARK ROAD @ FLAGSHIP BOATEL & PARKING AREAS FROM STA 166+86.42 TO STA 170+16.58 TO BE MILLED 1/2" WITH 1 1/2" OF HMA SURFACE COURSE PLACED ON TOP. ELEVATIONS SHOWN REFLECT THIS 1" INCREASE OVER EXISTING.

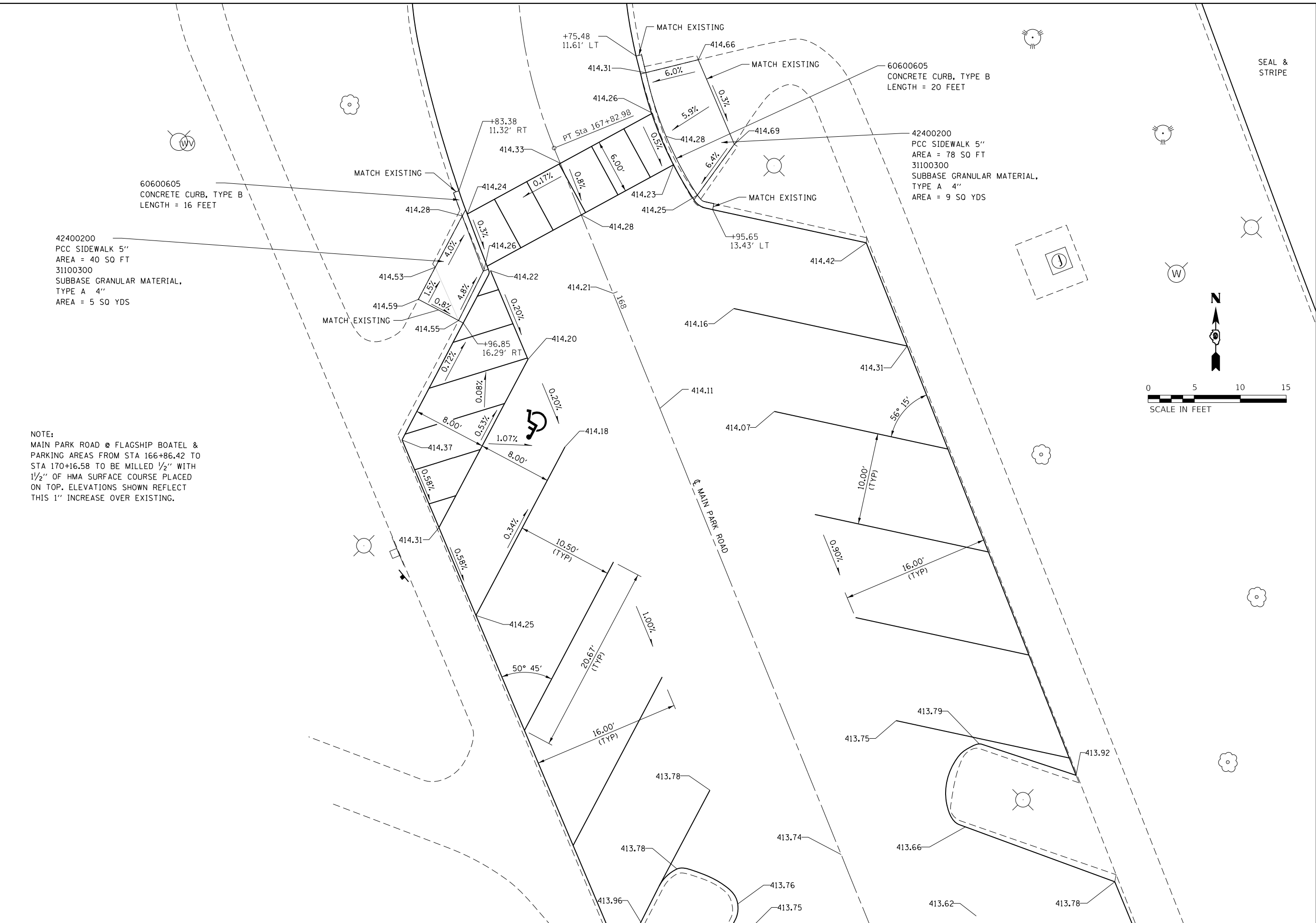
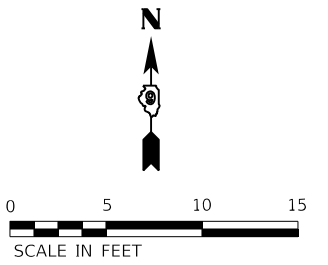
42400200  
 PCC SIDEWALK 5"  
 AREA = 40 SQ FT  
 31100300  
 SUBBASE GRANULAR MATERIAL,  
 TYPE A 4"  
 AREA = 5 SQ YDS

60600605  
 CONCRETE CURB, TYPE B  
 LENGTH = 16 FEET

60600605  
 CONCRETE CURB, TYPE B  
 LENGTH = 20 FEET

42400200  
 PCC SIDEWALK 5"  
 AREA = 78 SQ FT  
 31100300  
 SUBBASE GRANULAR MATERIAL,  
 TYPE A 4"  
 AREA = 9 SQ YDS

SEAL &  
 STRIPE



USER NAME = jbeque	DESIGNED - JEB	REVISED -
DRAWN - JEB	REVISED -	
PLOT SCALE = 10.0000' / in.	CHECKED - RHD	REVISED -
PLOT DATE = 4/16/2023	DATE - 4/14/23	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
 DEPARTMENT OF NATURAL RESOURCES**

**ADA PARKING PLAN  
 FLAGSHIP BOATEL**

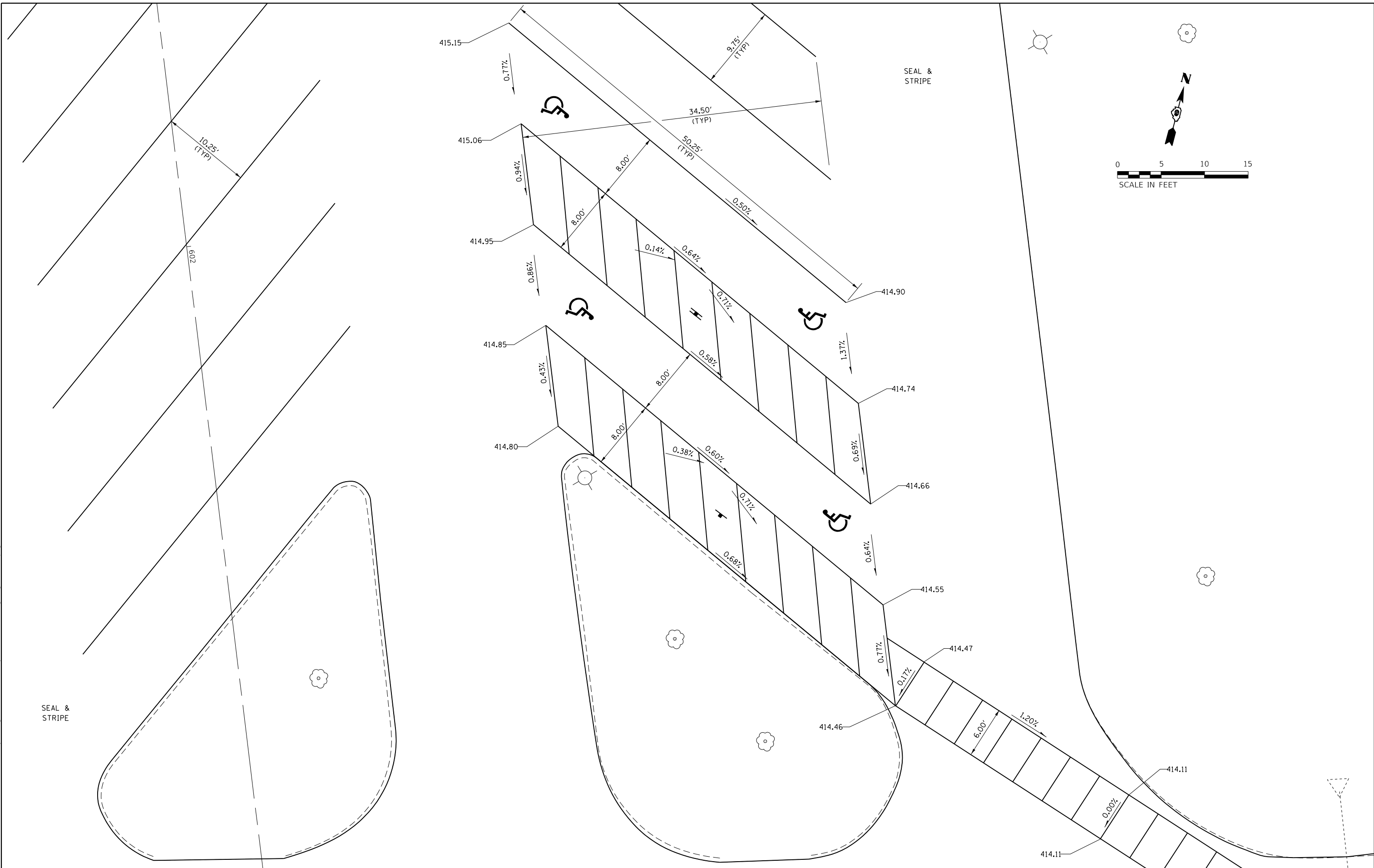
SCALE: SHEET 1 OF 10 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	FITZGERRELL PARKING	FRANKLIN	49	23
CONTRACT NO. 46932				
ILLINOIS FED. AID PROJECT				





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USER NAME = jbeque	DESIGNED - JEB	REVISED -
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PLOT DATE = 4/16/2023	CHECKED - RHD	REVISED -
	DATE - 4/14/23	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
 DEPARTMENT OF NATURAL RESOURCES**

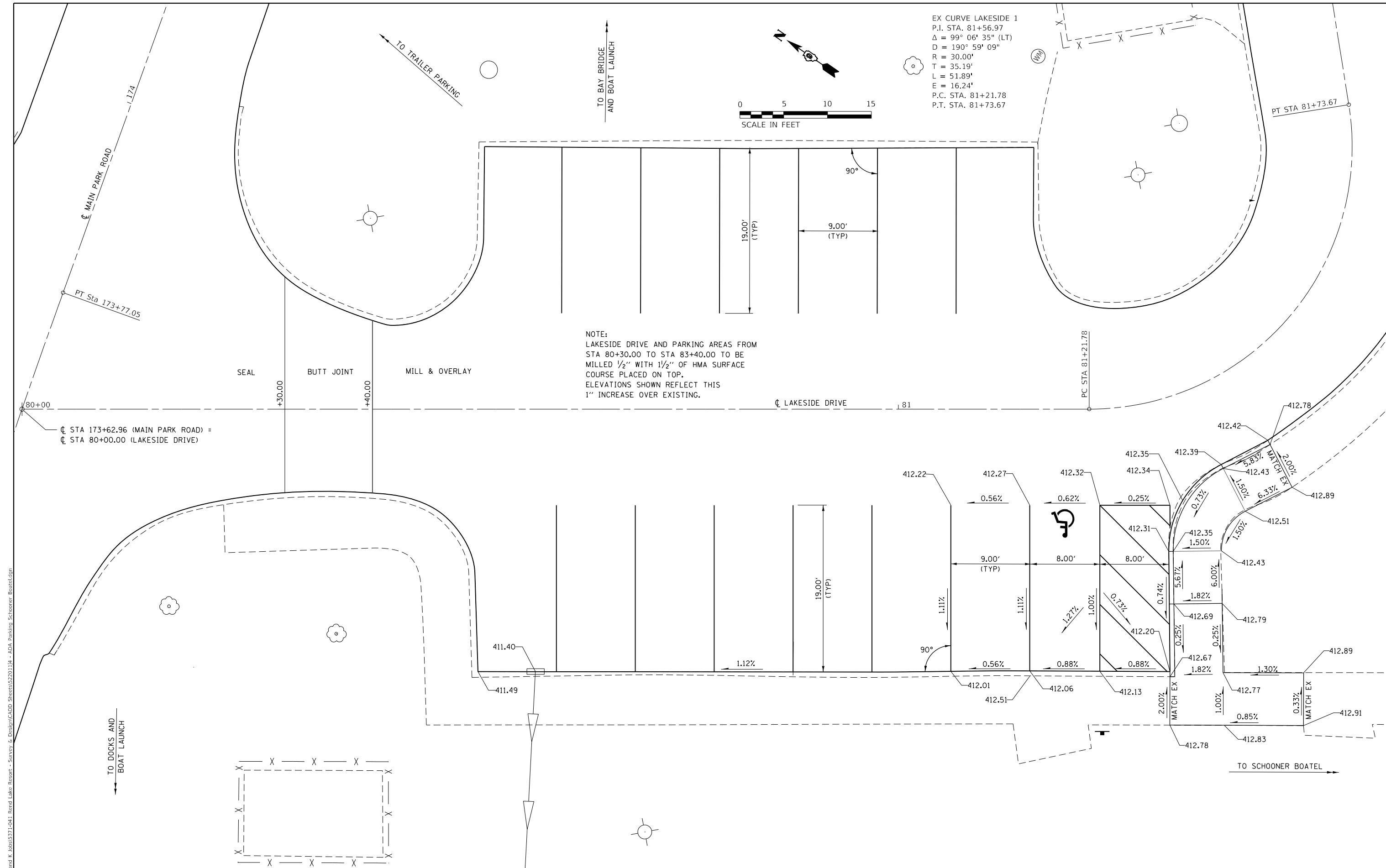
<b>ADA TRAILER PARKING PLAN ACCESS TO BAY BRIDGE BOAT LAUNCH</b>	
SCALE:	SHEET 3 OF 10 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	FITZGERRELL PARKING	FRANKLIN	49	25
			CONTRACT NO. 46932	
			ILLINOIS FED. AID PROJECT	

EX CURVE LAKESIDE 1  
 P.I. STA. 81+56.97  
 $\Delta = 99^\circ 06' 35''$  (LT)  
 $D = 190^\circ 59' 09''$   
 $R = 30.00'$   
 $T = 35.19'$   
 $L = 51.89'$   
 $E = 16.24'$   
 P.C. STA. 81+21.78  
 P.T. STA. 81+73.67



NOTE:  
 LAKESIDE DRIVE AND PARKING AREAS FROM  
 STA 80+30.00 TO STA 83+40.00 TO BE  
 MILLED  $\frac{1}{2}''$  WITH  $\frac{1}{2}''$  OF HMA SURFACE  
 COURSE PLACED ON TOP.  
 ELEVATIONS SHOWN REFLECT THIS  
 1" INCREASE OVER EXISTING.



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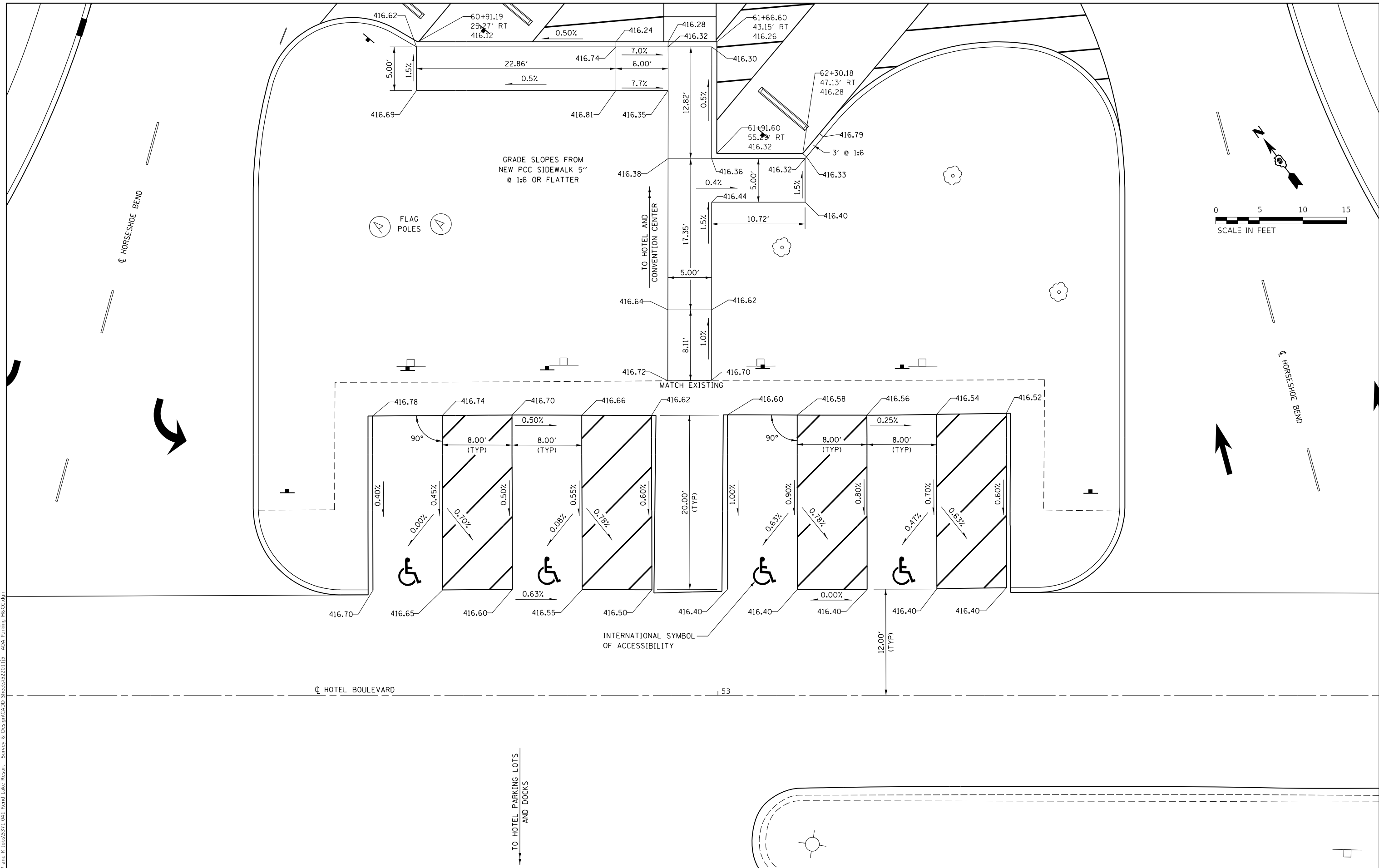
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DRAWN - JEB	REVISED -	
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PLOT DATE = 4/16/2023	DATE - 4/14/23	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**  
**DEPARTMENT OF NATURAL RESOURCES**

<b>ADA PARKING PLAN</b> <b>SCHOONER BOATEL</b>		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		N/A	FITZGERRELL PARKING	FRANKLIN	49	26
SCALE:		SHEET 4 OF 10 SHEETS		STA. TO STA.		CONTRACT NO. 46932

ILLINOIS	FED. AID PROJECT
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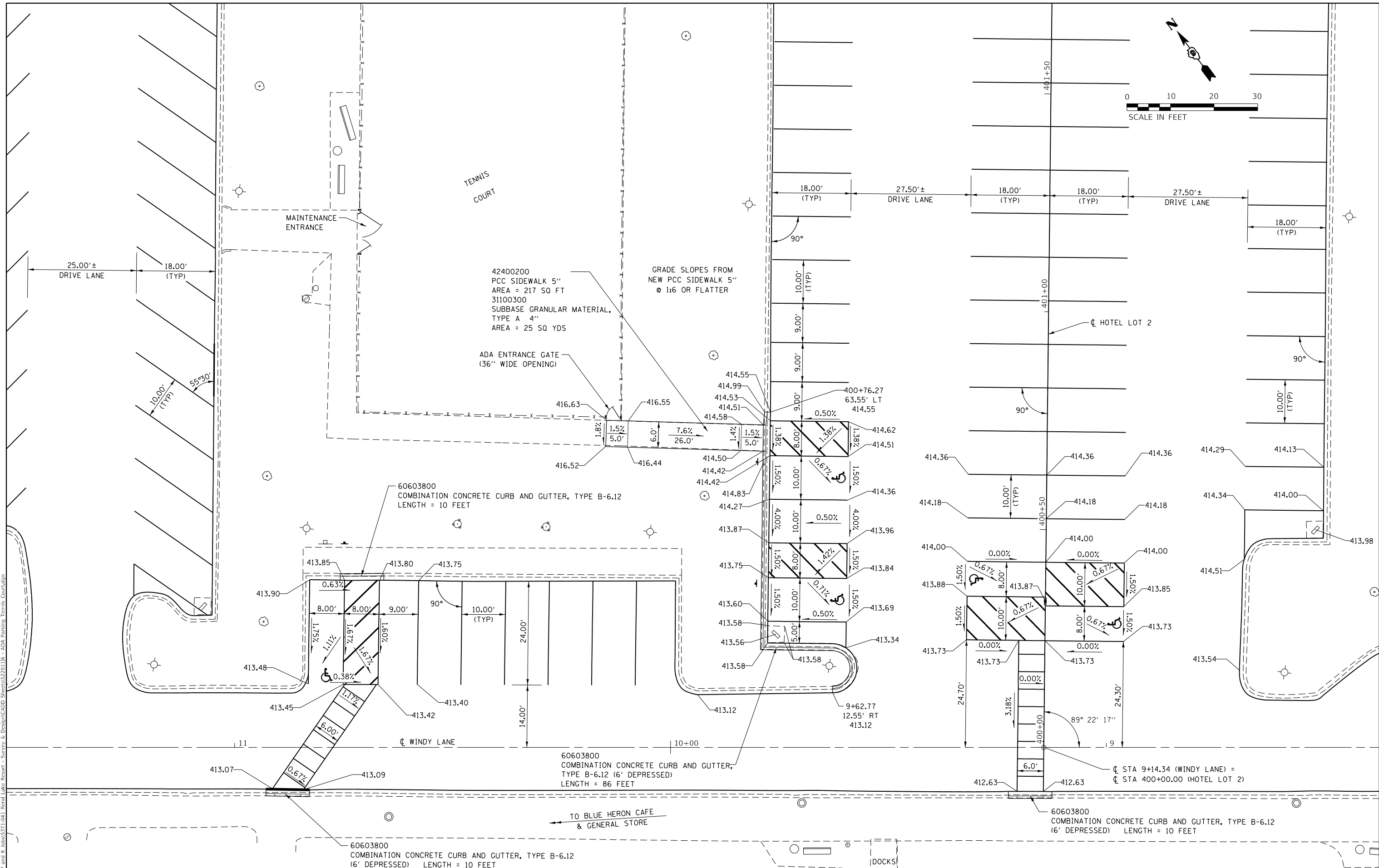
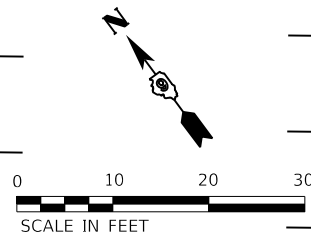


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DRAWN - JEB	REVISED -	
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PLOT DATE = 4/16/2023	DATE - 4/14/23	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
 DEPARTMENT OF NATURAL RESOURCES**

<b>ADA PARKING PLAN HOTEL AND CONVENTION CENTER</b>			
SCALE:	SHEET 5 OF 10 SHEETS	STA.	TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	FITZGERRELL PARKING	FRANKLIN	49	27
			CONTRACT NO. 46932	
		ILLINOIS	FED. AID PROJECT	



MODEL: D:\p\h\l  
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 11

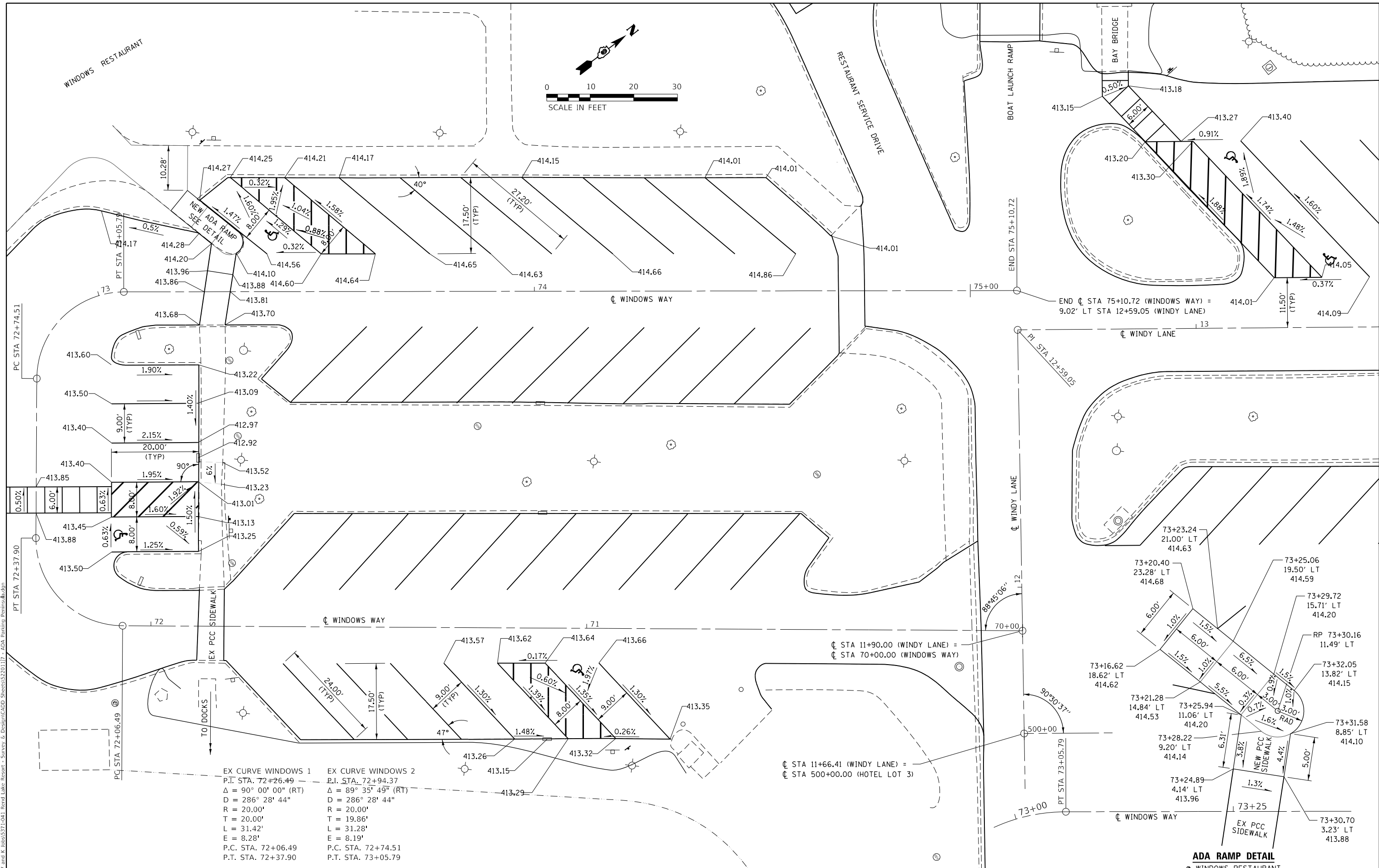
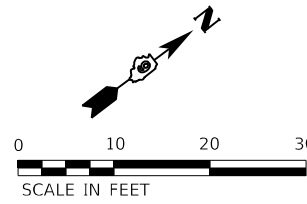
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DRAWN - JEB	REVISIONS -	
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PLOT DATE = 4/16/2023	DATE - 4/14/23	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**  
**DEPARTMENT OF NATURAL RESOURCES**

**ADA PARKING PLAN**  
**TENNIS COURT & BLUE HERON CAFE AREA**

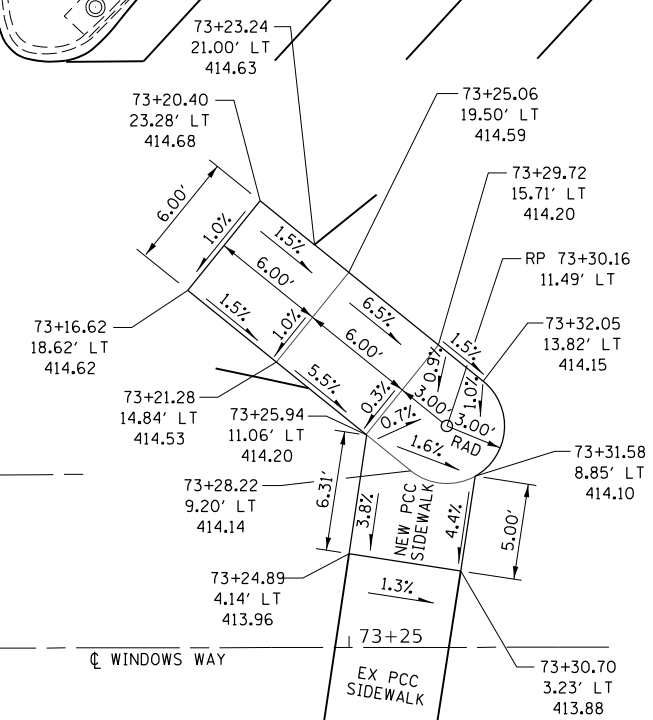
SCALE: SHEET 6 OF 10 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	FITZGERRELL PARKING	FRANKLIN	49	28
			CONTRACT NO. 46932	
ILLINOIS FED. AID PROJECT				



EX CURVE WINDOWS 1  
 P.I. STA. 72+26.49  
 $\Delta = 90^\circ 00' 00''$  (RT)  
 $D = 286^\circ 28' 44''$   
 $R = 20.00'$   
 $T = 20.00'$   
 $L = 31.42'$   
 $E = 8.28'$   
 P.C. STA. 72+06.49  
 P.T. STA. 72+37.90

EX CURVE WINDOWS 2  
 P.I. STA. 72+94.37  
 $\Delta = 89^\circ 35' 49''$  (RT)  
 $D = 286^\circ 28' 44''$   
 $R = 20.00'$   
 $T = 19.86'$   
 $L = 31.28'$   
 $E = 8.19'$   
 P.C. STA. 72+74.51  
 P.T. STA. 73+05.79



**ADA RAMP DETAIL**  
 @ WINDOWS RESTAURANT

MODEL: D:\p1\117 - ADA Parking Peninsula.dwg  
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	DATE - 4/14/23	REVISED -

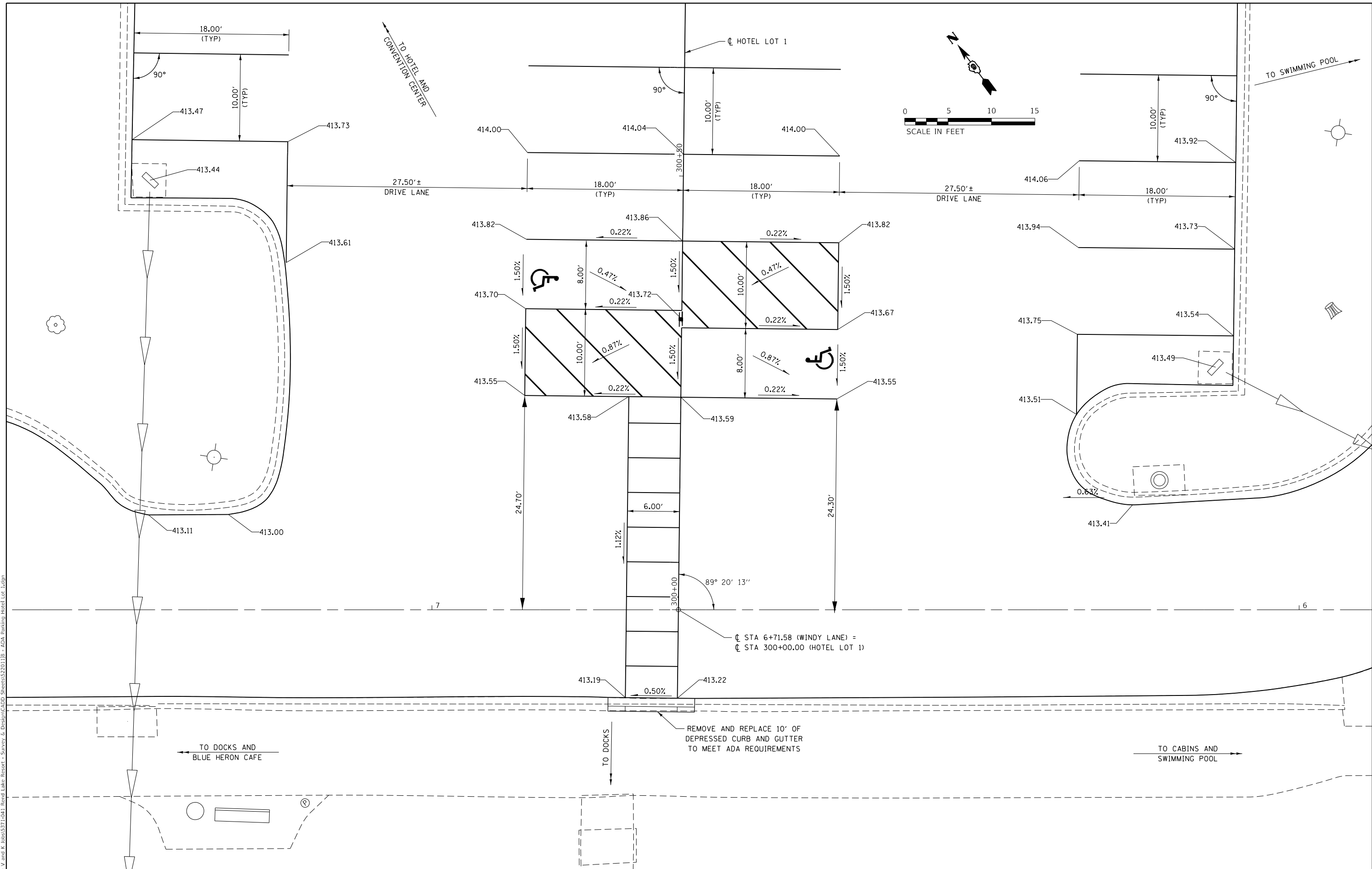
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**  
**DEPARTMENT OF NATURAL RESOURCES**

**ADA PARKING PLAN**  
**PENINSULA AREA**

SCALE: SHEET 7 OF 10 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	FITZGERRELL PARKING	FRANKLIN	49	29
			CONTRACT NO. 46932	
ILLINOIS FED. AID PROJECT				

MODEL: D:\p\h\l  
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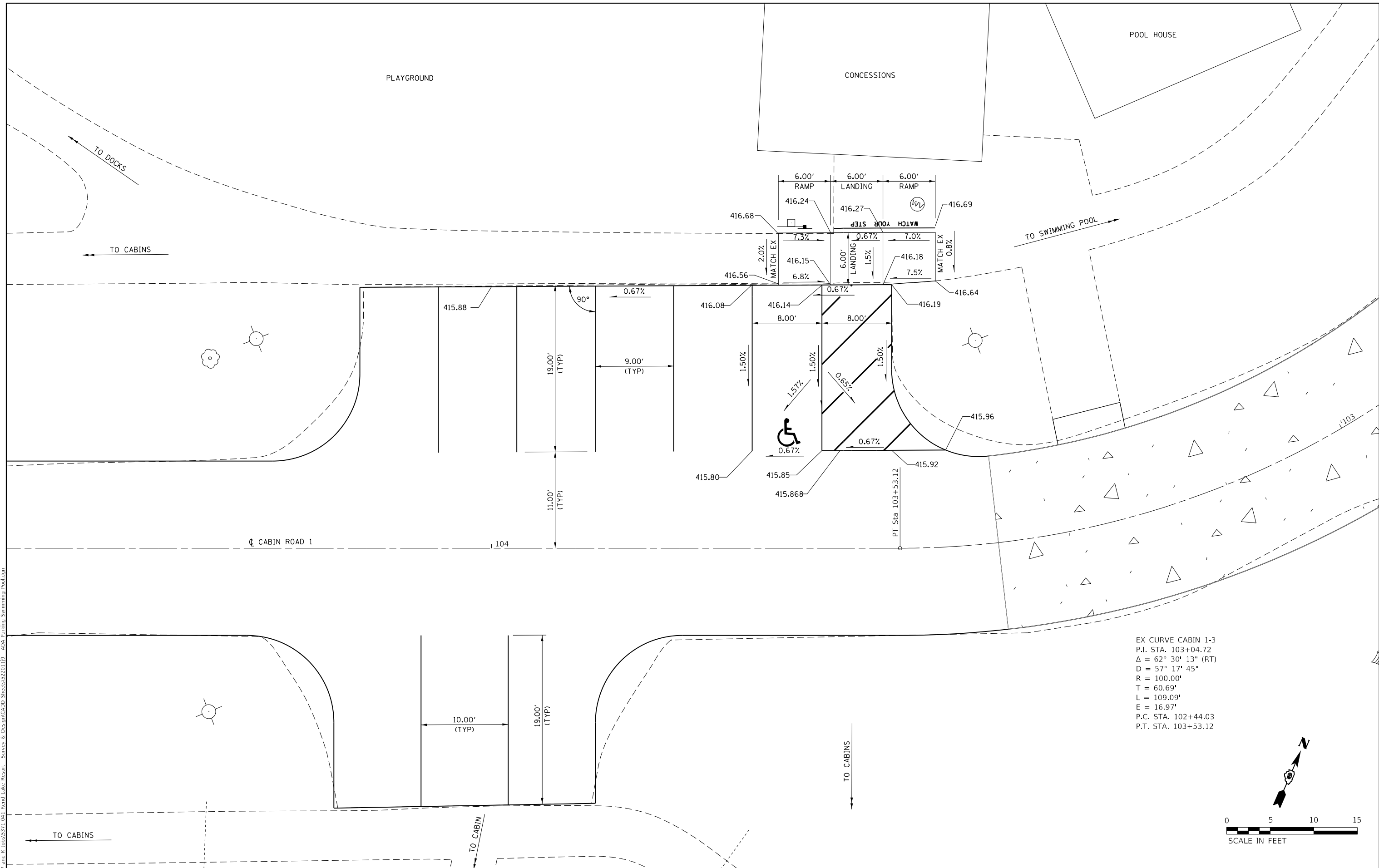
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	DRAWN - JEB	REVISED -
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PLOT DATE = 4/16/2023	DATE - 4/14/23	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
 DEPARTMENT OF NATURAL RESOURCES**

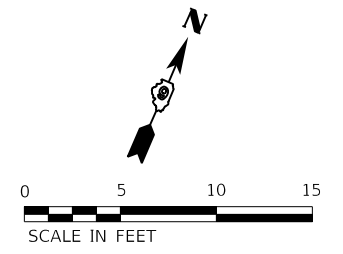
<b>ADA PARKING PLAN HOTEL LOT 1</b>	
SCALE:	SHEET 8 OF 10 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	FITZGERRELL PARKING	FRANKLIN	49	30
			CONTRACT NO. 46932	
ILLINOIS FED. AID PROJECT				

MODEL: Default  
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 4/16/2023



EX CURVE CABIN 1-3  
 P.I. STA. 103+04.72  
 $\Delta = 62^\circ 30' 13''$  (RT)  
 $D = 57^\circ 17' 45''$   
 $R = 100.00'$   
 $T = 60.69'$   
 $L = 109.09'$   
 $E = 16.97'$   
 P.C. STA. 102+44.03  
 P.T. STA. 103+53.12



USER NAME = jbeque	DESIGNED - JEB	REVISED -
DRAWN - JEB	REVISED -	
PLOT SCALE = 10.0000' / in.	CHECKED - RHD	REVISED -
PLOT DATE = 4/16/2023	DATE - 4/14/23	REVISED -

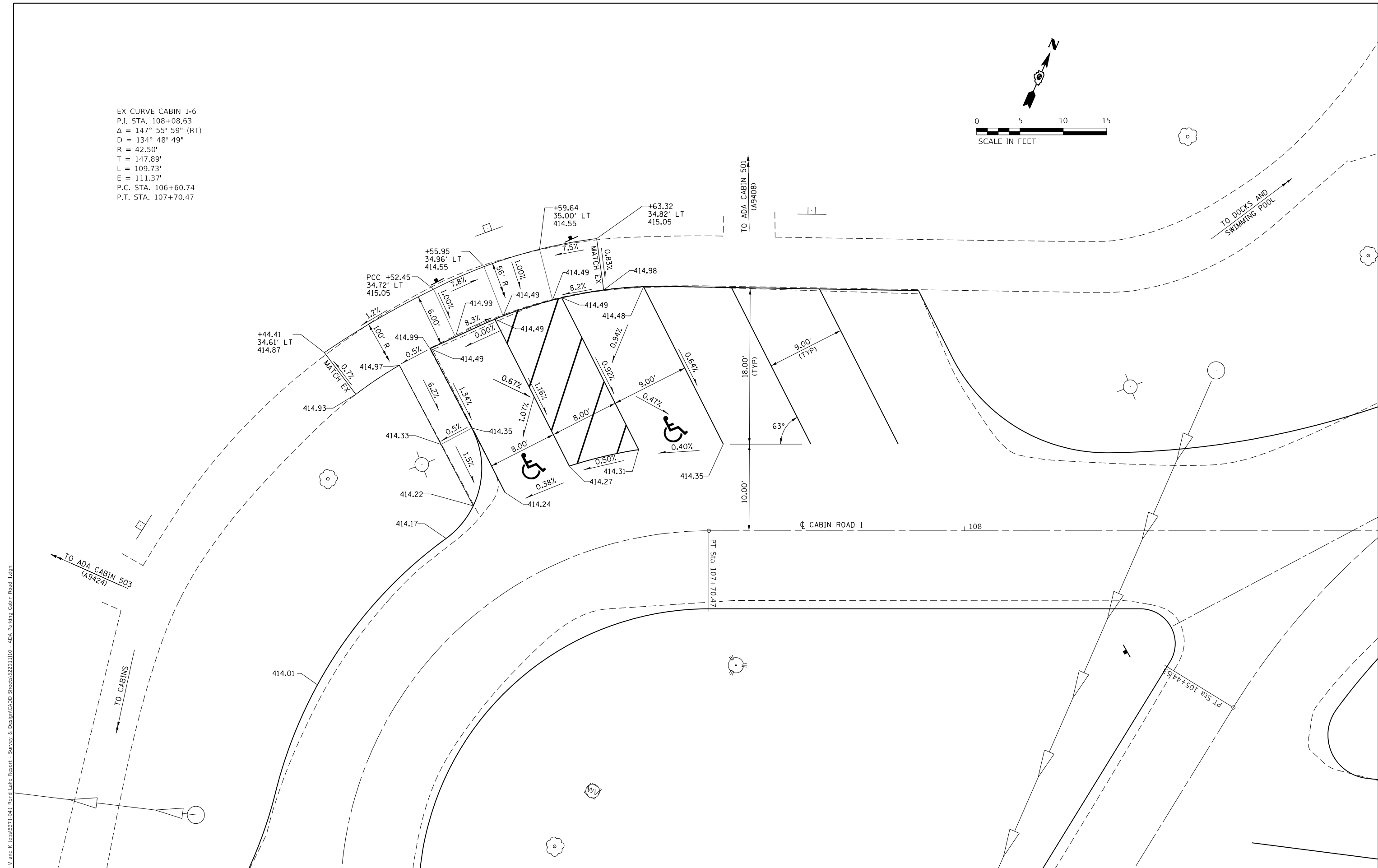
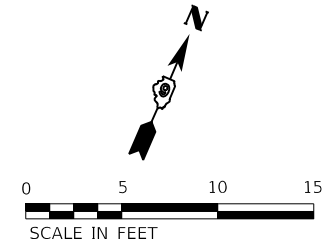
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**  
**DEPARTMENT OF NATURAL RESOURCES**

**ADA PARKING PLAN**  
**CABIN ROAD 1 - SWIMMING POOL AREA**

SCALE: SHEET 9 OF 10 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	FITZGERRELL PARKING	FRANKLIN	49	31
CONTRACT NO. 46932				
ILLINOIS FED. AID PROJECT				

EX CURVE CABIN 1-6  
 P.I. STA. 108+08.63  
 $\Delta = 147^\circ 55' 59''$  (RT)  
 D = 134' 48" 49"  
 R = 42.50'  
 T = 147.89'  
 L = 109.73'  
 E = 111.37'  
 P.C. STA. 106+60.74  
 P.T. STA. 107+70.47



MODEL: Default  
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 USER: jbeque

USER NAME = jbeque	DESIGNED - JEB	REVISED -
DRAWN - JEB	REVISIONS -	
PLOT SCALE = 10,0000' / in.	CHECKED - RHD	REVISED -
PLOT DATE = 4/16/2023	DATE - 4/14/23	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**  
**DEPARTMENT OF NATURAL RESOURCES**

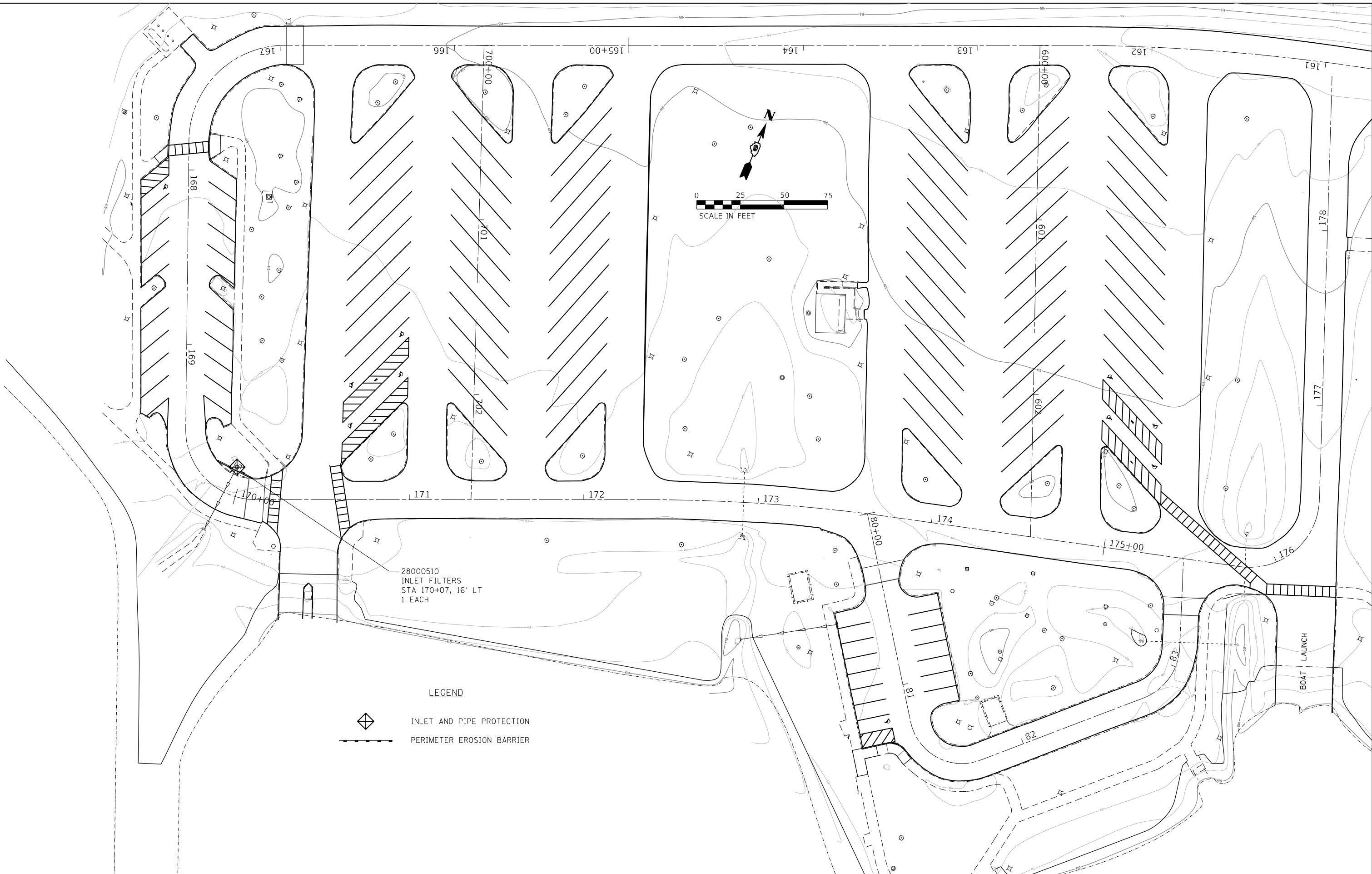
**ADA PARKING PLAN**  
**CABIN ROAD 1 - CABINS A9408 & A9424**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	FITZGERRELL PARKING	FRANKLIN	49	32
CONTRACT NO. 46932				
ILLINOIS FED. AID PROJECT				

SCALE: SHEET 10 OF 10 SHEETS STA. TO STA.


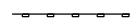


MODEL: Default  
 FILE NAME: Z:\0\_V and K Jobs\5271-041\_Rend Lake Resort - Survey & Design\CADD Sheets\5270-111 - North Area Erosion Control Plan.dgn



28000510  
 INLET FILTERS  
 STA 170+07, 16' LT  
 1 EACH

**LEGEND**

-  INLET AND PIPE PROTECTION
-  PERIMETER EROSION BARRIER

USER NAME = jbeque	DESIGNED - JEB	REVISED -
	DRAWN - JEB	REVISED -
PLOT SCALE = 50.0000' / in.	CHECKED - RHD	REVISED -
PLOT DATE = 4/16/2023	DATE - 4/14/23	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
 DEPARTMENT OF NATURAL RESOURCES**

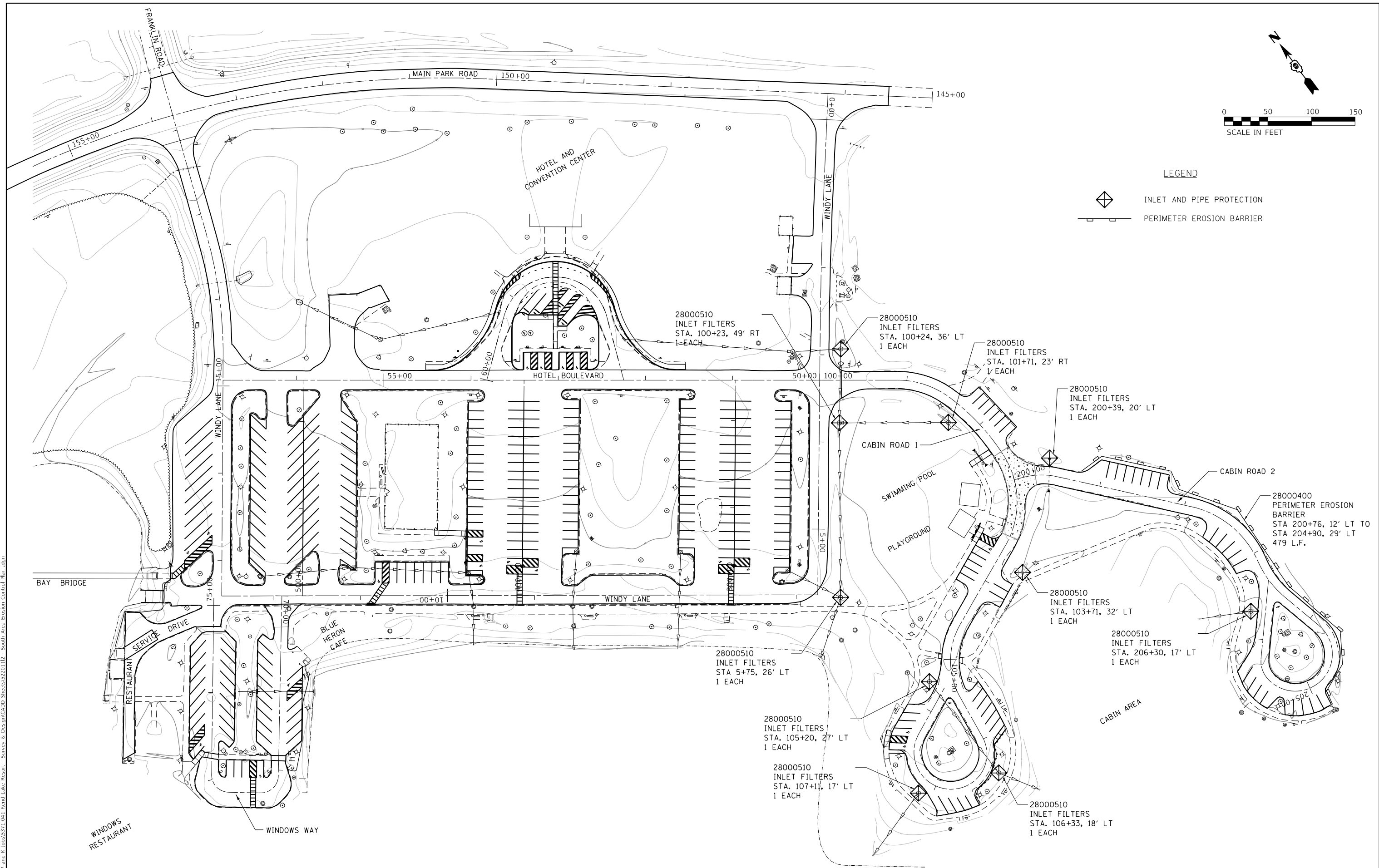
<b>NORTH AREA EROSION CONTROL PLAN</b>	
SCALE:	TO STA.
SHEET 1 OF 2 SHEETS	STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	FITZGERRELL PARKING	FRANKLIN	49	33
			CONTRACT NO. 46932	
		ILLINOIS	FED. AID PROJECT	



**LEGEND**

- INLET AND PIPE PROTECTION
- PERIMETER EROSION BARRIER



MODEL: D:\draft\...  
 FILE NAME: 200\_V and K Jobs\5271-041 Rend Lake Resort - Survey & Design\CADD Streets\527011B - South Area Erosion Control Plan.dgn

USER NAME = jbeque	DESIGNED - JEB	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN - JEB	REVISED -
PLOT DATE = 4/16/2023	CHECKED - RHD	REVISED -
	DATE - 4/14/23	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**  
**DEPARTMENT OF NATURAL RESOURCES**

<b>SOUTH AREA EROSION CONTROL PLAN</b>	
SCALE:	TO STA.
SHEET 2 OF 2 SHEETS	STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	FITZGERRELL PARKING	FRANKLIN	49	34
			CONTRACT NO. 46932	
		ILLINOIS	FED. AID PROJECT	

NOTE:  
WHERE NOTED IN THE PLANS, A PIPE BOLLARD  
SHALL BE INSTALLED TO PROTECT THE SIGN  
SUPPORT.

IDOT No. 10515  
(R7-8)  
12" x 18"



SIGN PANEL, TYPE 1

IDOT No. 10516  
(R7-1101)  
12" x 6"

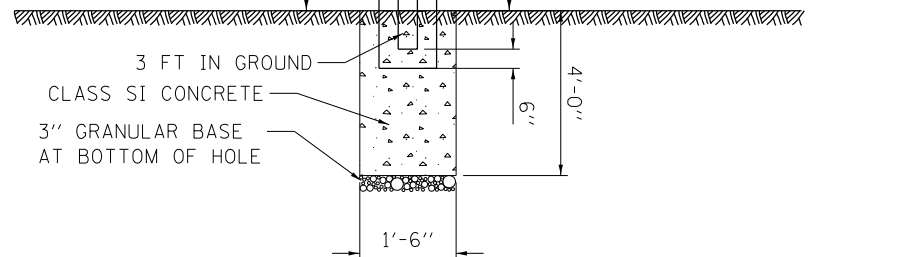


NOTE:  
THE SIGN PANEL AND SIGN SUPPORT SHALL BE  
PLACED AT EACH DISABLED PARKING STALL.  
THIS WORK WILL BE PAID FOR AT THE CONTRACT  
UNIT PRICE PER SQUARE FOOT  
FOR SIGN PANEL, TYPE 1 AND PER FOOT  
FOR TELESCOPING STEEL SIGN SUPPORT.

Z0004002  
BOLLARDS  
6" CONCRETE FILLED PIPE BOLLARD  
(CLASS SI CONCRETE)

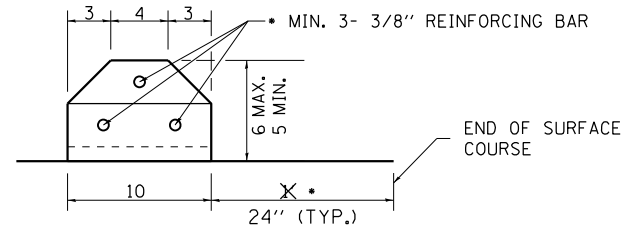
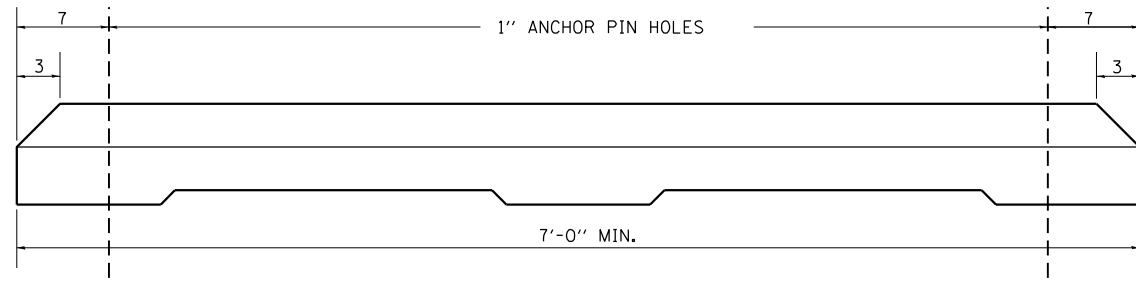
TELESCOPING STEEL SIGN SUPPORT

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



ALL DIMENSIONS ARE IN FEET/INCHES  
UNLESS OTHERWISE NOTED.

**ADA PARKING SIGN**



\* OR AS DIRECTED  
BY THE ENGINEER.

**GENERAL NOTES**

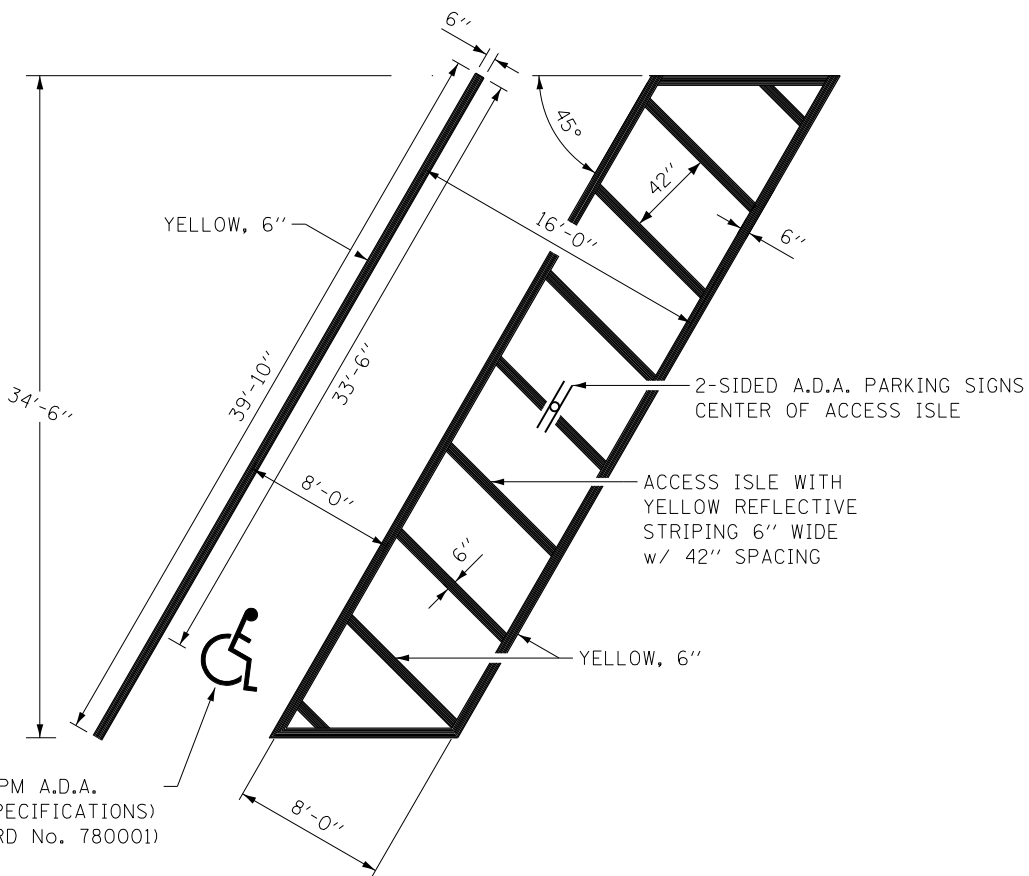
CLASS SI CONCRETE SHALL BE USED THROUGHOUT.

ANCHOR PINS SHALL BE 3/4 DIAMETER, 36 LONG.

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

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE  
NOTED.

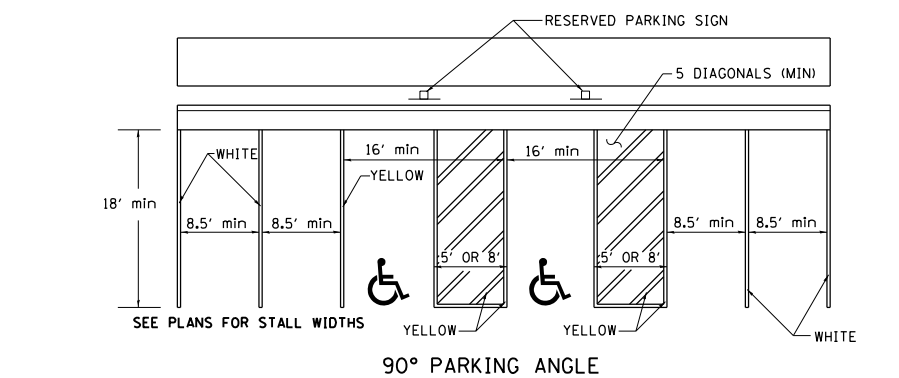
**PARKING BLOCKS**



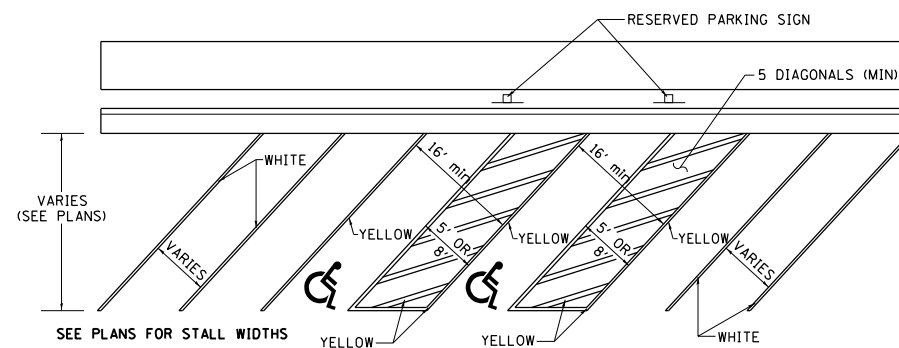
YELLOW REFLECTIVE TPM A.D.A.  
SYMBOL (PER A.D.A. SPECIFICATIONS)  
(SEE HIGHWAY STANDARD No. 780001)

**45° A.D.A. PARKING STRIPING, YELLOW (6")**

NOT TO SCALE



**90° PARKING ANGLE**



**LESS THAN 90° PARKING ANGLE**

**ADA PARKING STALL STRIPING**

MODEL: Default  
FILE NAME: Z00\_V and K Jobs\5371-041 Rend Lake Resort - Survey & Design\CADD Streets\527011m - Site Details.dgn

USER NAME = jbeque	DESIGNED - JEB	REVISED -
DRAWN - SDK	REVISED -	
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PLOT DATE = 4/16/2023	DATE - 4/14/23	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DEPARTMENT OF NATURAL RESOURCES

**SITE DETAILS**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	FITZGERRELL PARKING	FRANKLIN	49	35
			CONTRACT NO. 46932	
		ILLINOIS FED. AID PROJECT		

**LIGHTING SUMMARY OF QUANTITIES**

S.P.	PAY ITEM	DESCRIPTION	UNIT	QUANTITY
	80400100	ELECTRIC SERVICE INSTALLATION	EACH	2
	81028370	UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	1,565
	81603037	UNIT DUCT, 600V, 2-1C NO.6, 1/C NO.6 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	EACH	11,305
*	82110006	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION F	EACH	127
	82500370	LIGHTING CONTROLLER, BASE MOUNTED, 240VOLT, 200AMP	EACH	2
	83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	465
	84200600	REMOVAL OF LIGHTING UNIT, NO SALVAGE	EACH	92
	84200804	REMOVAL OF POLE FOUNDATION	EACH	92
	84500120	REMOVAL OF ELECTRIC SERVICE INSTALLATION	EACH	1
	84500130	REMOVAL OF LIGHTING CONTROLLER FOUNDATION	EACH	1
	85400110	REMOVAL OF LIGHTING CONTROLLER	EACH	1
*	X8302393	LIGHT POLE, ALUMINUM 25 FT M.H., 4 FT. ARM (SPECIAL)	EACH	63
*	X8302395	LIGHT POLE, ALUMINUM 25 FT M.H., 4 FT. ARM, TWIN (SPECIAL)	EACH	32
*	X8200002	FLOOD LIGHTING UNIT	EACH	5
*	X8360110	LIGHT POLE FOUNDATION, SPECIAL	FOOT	16
*		REMOVE AND REATTACH EXISTING RECEPTACLE OUTLET APPARATUS ONTO LIGHT POLE	EACH	13

**S.P. COLUMN**

- \* SPECIAL PROVISION

**HIGHWAY STANDARDS**

- 821101-02 LUMINAIRE WIRING IN POLE
- 825021-04 LIGHTING CONTROLLER BASE MOUNTED, 240V
- 830001-03 LIGHT POLE ALUMINUM MAST ARM
- 836001-04 LIGHT POLE FOUNDATION

**LIGHTING INDEX OF SHEETS**

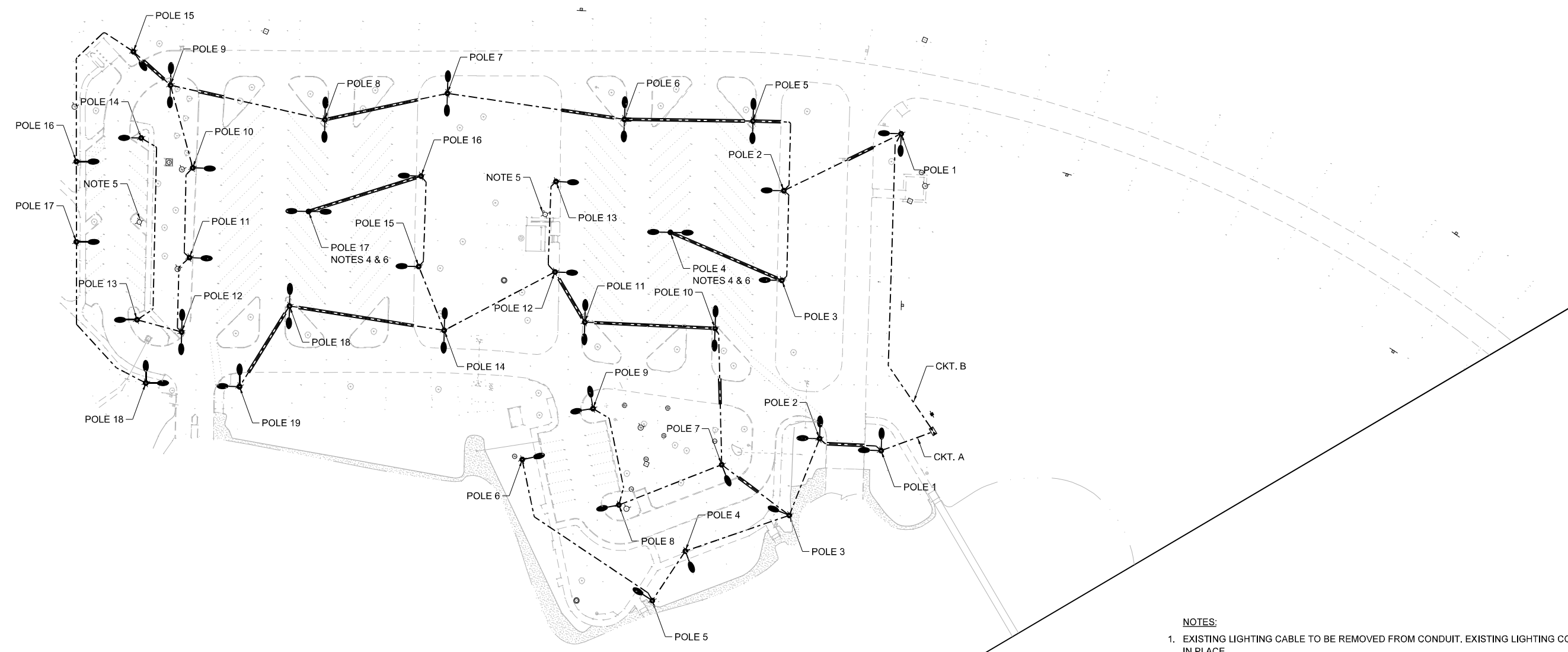
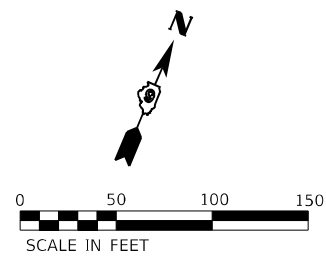
- 1 LIGHTING INDEX OF SHEETS, STANDARDS LIST, AND LIGHTING SUMMARY OF QUANTITIES
- 2 TO 3 LIGHTING PLANS
- 4 LUMINAIRE PERFORMANCE TABLE
- 5 WIRING DIAGRAMS
- 6 FLOOD LIGHT DETAIL

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**






**LIGHTING INDEX OF SHEETS, STANDARDS LIST,  
AND LIGHTING SUMMARY OF QUANTITIES**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	REND LAKE RESORT 2022	FRANKLIN	49	36
CONTRACT NO.				
ILLINOIS			FED. AID PROJECT	

SCALE: NTS      SHEET 1 OF 6 SHEETS      STA.      TO STA.



**LEGEND:**

-  PROPOSED GROUND MOUNTED LIGHTING UNIT  
BLACK ALUMINUM, 25' MH, 4' TWIN ARM, LED LUMINAIRE, 240V  
ON CONCRETE FOUNDATION
-  PROPOSED GROUND MOUNTED LIGHTING UNIT  
BLACK ALUMINUM, 25' MH, 4' M.A., LED LUMINAIRE, 240V  
ON CONCRETE FOUNDATION
-  PROPOSED LIGHTING CONTROLLER, BASE MOUNTED, SINGLE PHASE,  
3-WIRE, 240 VOLT, 200 AMP
-  UNIT DUCT, 600V, 2-1C NO.6, 1/C NO.6 GROUND, (XLP-TYPE USE),  
1-1/4" DIA. POLYETHYLENE
-  UNDERGROUND CONDUIT, PVC, 3" DIA.

**NOTES:**

1. EXISTING LIGHTING CABLE TO BE REMOVED FROM CONDUIT. EXISTING LIGHTING CONDUIT TO BE ABANDONED IN PLACE.
2. EXISTING RECEPTACLE CABLE AND CONDUIT TO REMAIN.
3. EXISTING LIGHTING UNIT SHALL BE REMOVED FROM EXISTING FOUNDATION AND REPLACED WITH A NEW LIGHTING UNIT, AS SHOWN ON THE PLANS AND UNLESS NOTED OTHERWISE. EXISTING LIGHT POLE FOUNDATION SHALL BE REMOVED AND REPLACED, AS FOLLOWS:
  - FOR LOCATIONS WHERE AN EXISTING CONCRETE FOUNDATION IS PRESENT AND A RECEPTACLE OUTLET IS NOT ATTACHED TO THE EXISTING LIGHT POLE, THE SHAFT FOUNDATION SHALL BE PARTIALLY REMOVED AND A NEW CONCRETE FOUNDATION SHALL BE INSTALLED WITHIN 5' OF THE EXISTING LOCATION, UNLESS NOTED OTHERWISE ON THE PLANS. THE FINAL LOCATION SHALL BE AS DIRECTED BY THE ENGINEER.
  - FOR LOCATIONS WHERE AN EXISTING METAL FOUNDATION IS PRESENT, THE METAL FOUNDATION SHALL BE REMOVED AND A NEW CONCRETE FOUNDATION SHALL BE INSTALLED AT THE EXISTING LOCATION, WHERE APPLICABLE, THE EXISTING RECEPTACLE OUTLET SHALL BE REATTACHED TO THE NEW LIGHT POLE.
4. NEW LIGHT POLE LOCATION. THE FINAL LOCATION SHALL BE AS DIRECTED BY THE ENGINEER.
5. EXISTING LIGHT POLE TO BE REMOVED AND NOT REPLACED.
6. LIGHT POLE FOUNDATION, SPECIAL (X8360110) TO BE INSTALLED.

MODEL: Default  
FILE NAME: S:\projects\3505 - VanBuren Lighting Projects - Statewide - EIM\Project Work\Electrical\District 9\Red Lake\CADD\Sheet\09-light1.dwg

USER NAME = bbarr	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 3/24/2023	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

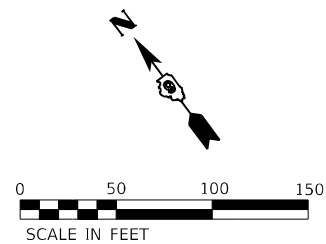
**LIGHTING PLAN - NORTH AREA**

SCALE: 1"=50'      SHEET 2 OF 6 SHEETS      STA.      TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	REND LAKE RESORT 2022	FRANKLIN	49	37
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

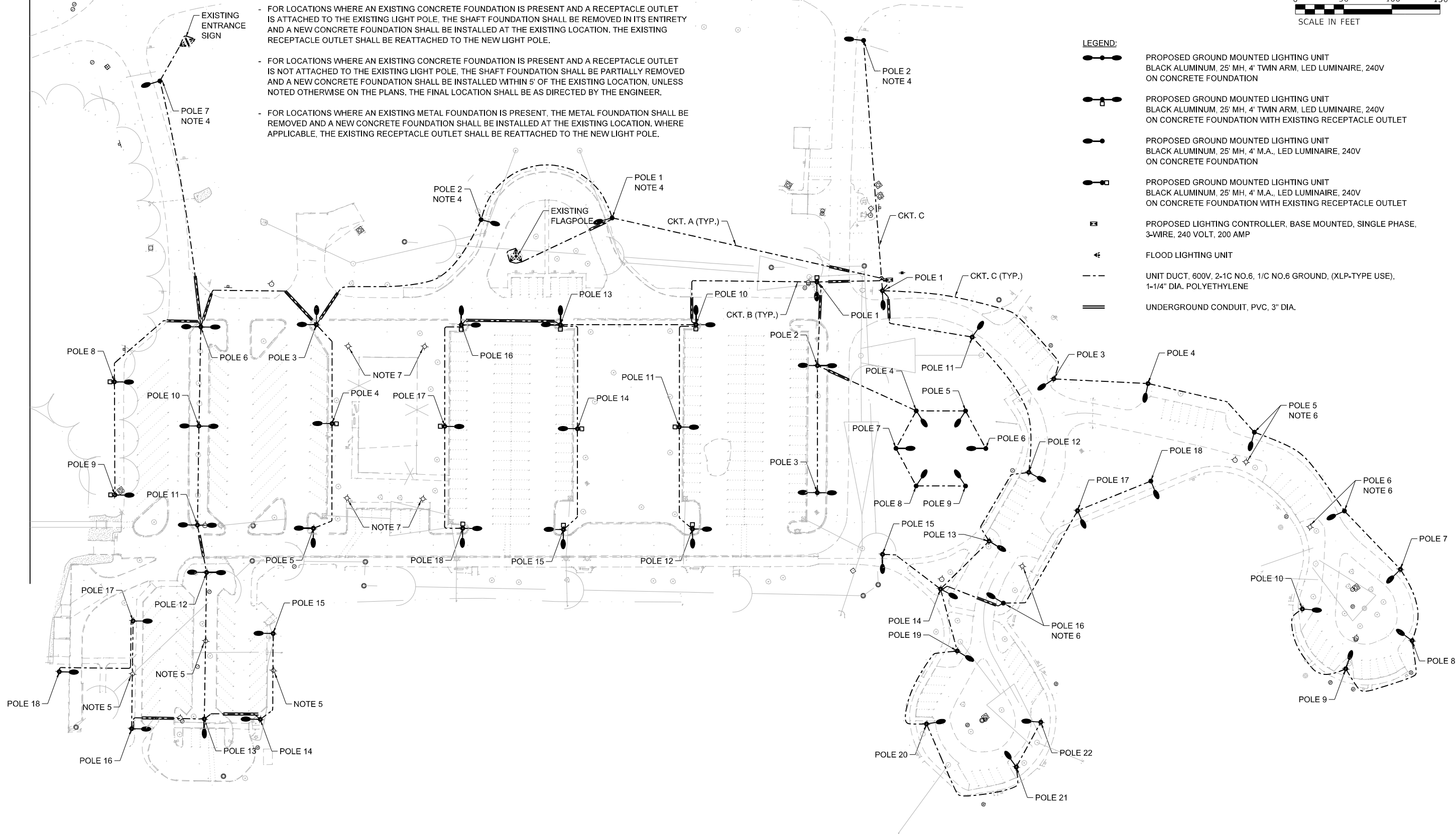
**NOTES:**

1. EXISTING LIGHTING CABLE TO BE REMOVED FROM CONDUIT. EXISTING LIGHTING CONDUIT TO BE ABANDONED IN PLACE.
2. EXISTING RECEPTACLE CABLE AND CONDUIT TO REMAIN.
3. EXISTING LIGHTING UNIT SHALL BE REMOVED FROM EXISTING FOUNDATION AND REPLACED WITH A NEW LIGHTING UNIT, AS SHOWN ON THE PLANS AND UNLESS NOTED OTHERWISE. EXISTING LIGHT POLE FOUNDATION SHALL BE REMOVED AND REPLACED, AS FOLLOWS:
  - FOR LOCATIONS WHERE AN EXISTING CONCRETE FOUNDATION IS PRESENT AND A RECEPTACLE OUTLET IS ATTACHED TO THE EXISTING LIGHT POLE, THE SHAFT FOUNDATION SHALL BE REMOVED IN ITS ENTIRETY AND A NEW CONCRETE FOUNDATION SHALL BE INSTALLED AT THE EXISTING LOCATION. THE EXISTING RECEPTACLE OUTLET SHALL BE REATTACHED TO THE NEW LIGHT POLE.
  - FOR LOCATIONS WHERE AN EXISTING CONCRETE FOUNDATION IS PRESENT AND A RECEPTACLE OUTLET IS NOT ATTACHED TO THE EXISTING LIGHT POLE, THE SHAFT FOUNDATION SHALL BE PARTIALLY REMOVED AND A NEW CONCRETE FOUNDATION SHALL BE INSTALLED WITHIN 5' OF THE EXISTING LOCATION, UNLESS NOTED OTHERWISE ON THE PLANS. THE FINAL LOCATION SHALL BE AS DIRECTED BY THE ENGINEER.
  - FOR LOCATIONS WHERE AN EXISTING METAL FOUNDATION IS PRESENT, THE METAL FOUNDATION SHALL BE REMOVED AND A NEW CONCRETE FOUNDATION SHALL BE INSTALLED AT THE EXISTING LOCATION, WHERE APPLICABLE, THE EXISTING RECEPTACLE OUTLET SHALL BE REATTACHED TO THE NEW LIGHT POLE.
4. NEW LIGHT POLE LOCATION. THE FINAL LOCATION SHALL BE AS DIRECTED BY THE ENGINEER.
5. EXISTING LIGHT POLE TO BE REMOVED AND NOT REPLACED.
6. NEW CONCRETE FOUNDATION SHALL BE LOCATED AS SHOWN ON THE PLANS.
7. EXISTING LIGHTING UNIT TO REMAIN IN PLACE.



**LEGEND:**

- PROPOSED GROUND MOUNTED LIGHTING UNIT  
BLACK ALUMINUM, 25' MH, 4' TWIN ARM, LED LUMINAIRE, 240V  
ON CONCRETE FOUNDATION WITH EXISTING RECEPTACLE OUTLET
- PROPOSED GROUND MOUNTED LIGHTING UNIT  
BLACK ALUMINUM, 25' MH, 4' TWIN ARM, LED LUMINAIRE, 240V  
ON CONCRETE FOUNDATION
- PROPOSED LIGHTING CONTROLLER, BASE MOUNTED, SINGLE PHASE,  
3-WIRE, 240 VOLT, 200 AMP
- FLOOD LIGHTING UNIT
- UNIT DUCT, 600V, 2-1C NO.6, 1/C NO.6 GROUND, (XLP-TYPE USE),  
1-1/4" DIA. POLYETHYLENE
- UNDERGROUND CONDUIT, PVC, 3" DIA.



MODEL: Default  
 FILE NAME: S:\projects\3505 - VofBar - Lighting Projects - Shorewide - EIM\Project - Work\Electrical\District - R\Red - Lake\CADD\Sheet\09-sh-light2.dwg

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PLOT SCALE = 100,0000' / in.	DRAWN -	REVISED -
PLOT DATE = 3/24/2023	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**LIGHTING PLAN - SOUTH AREA**

SCALE: 1"=50'      SHEET 3 OF 6 SHEETS      STA.      TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	REND LAKE RESORT 2022	FRANKLIN	49	38
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

# LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION F

## Project

Date	Contract Number	Section Number	County
03-15-2023		REND LAKE RESORT 2022	FRANKLIN

Marked Route Number	Municipality

## Roadway

Lane Width	# of Lanes	Median Width	I.E.S Surface Classification	O-Zero Value
12 ft	4	N/A	R3	0.07

## Structure

Mounting Height	Arm Length	Set Back	Number of Luminaires (Highmast & Sign Lighting Only)
25 ft	4 ft	4 ft	N/A

## Luminaire

Description	I.E.S. Transverse Distribution	I.E.S. Lateral Distribution	
LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION F	TYPE III	SHORT/MEDIUM	
Total Light Loss Factor (LLF)	BUG Rating	Shields	Dimming Protocol
0.7	U = 0	N/A	0-10V

## Layout

Spacing (to Nearest 5 Ft) Configuration (Opposite, Staggered, 1 Sided, or Median)
190 ft STAGGERED

## Performance

Average Illuminance, $E_{AVE}$ (fc)	Uniformity Ratio, $E_{AVE}/E_{MIN}$		
$\geq 1.1$	$\leq 4.0:1$		
Average Luminance, $L_{AVE}$ (cd/m <sup>2</sup> )	Uniformity Ratio, $L_{AVE}/L_{MIN}$	Uniformity Ratio, $L_{MAX}/L_{MIN}$	Veiling Luminance Ratio, $L_V/L_{MIN}$
N/A	N/A	N/A	N/A

## Light Trespass

Distance to ROW (behind pole)	Max. Horizontal Illuminance at ROW, $E_H$	Max. Vertical Illuminance at ROW, $E_V$
N/A	N/A	N/A

## Notes

1. Set Back is from Edge of Pavement (white line) except for sign luminaires when it is vertical and horizontal distance from the sign to the luminaire.
2. Lighting calculations shall be performed with all luminaires oriented toward and perpendicular to roadway.
3. Total Light Loss Factor (LLF) = the product of "Lumen Maintenance" (LLD) = 0.9, "Dirt Depreciation" (LDD) = 0.8, and "Equipment Factors" (EF) = 0.95.
4. Performance requirements shall be the minimum acceptable standards of photometric performance for the luminaire, based on the given conditions above.
5. Lighting calculations shall be performed in one direction only.
6. Compliance with performance criteria shall be held to one significant digit.

MODEL Path: \\... \Projects\Statewide - EIM\Project\Work\Electrical\District 99\Reid Lake\CADD\Sheet\09-sh-light\ltd.dgn  
FILE NAME: S:\projects\3505 - VanBuren Lighting Projects\Statewide - EIM\Project\Work\Electrical\District 99\Reid Lake\CADD\Sheet\09-sh-light\ltd.dgn

USER NAME = bbarr	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 3/24/2023	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**




**LUMINAIRE PERFORMANCE TABLE**

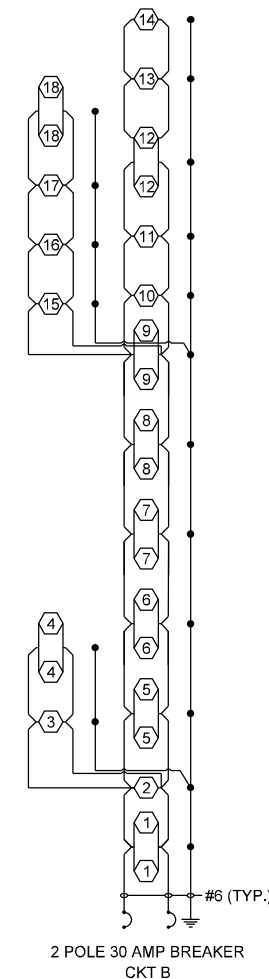
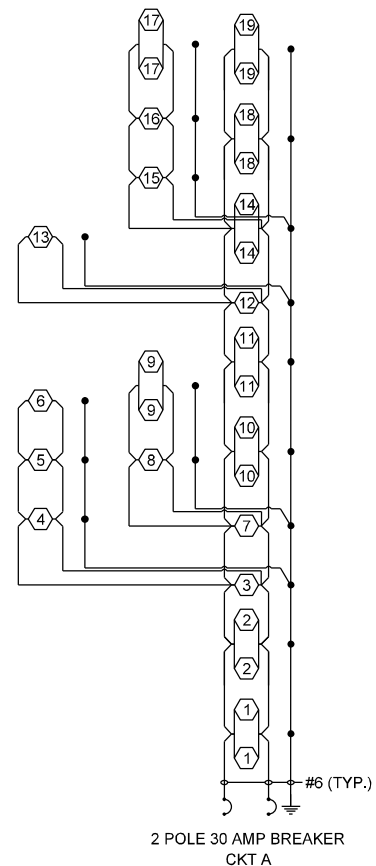
SCALE: NTS SHEET 4 OF 6 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	REND LAKE RESORT 2022	FRANKLIN	49	39
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

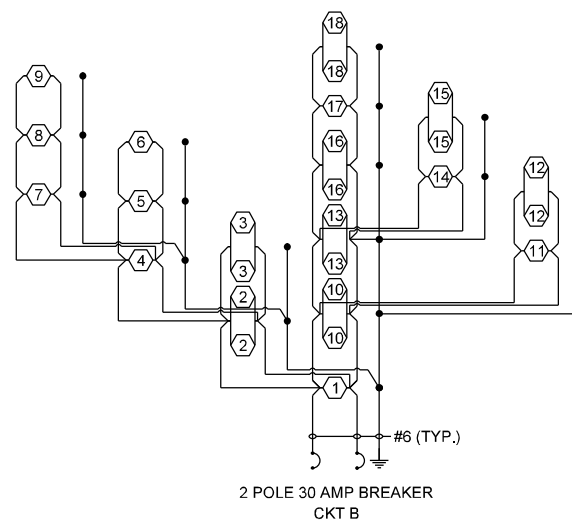
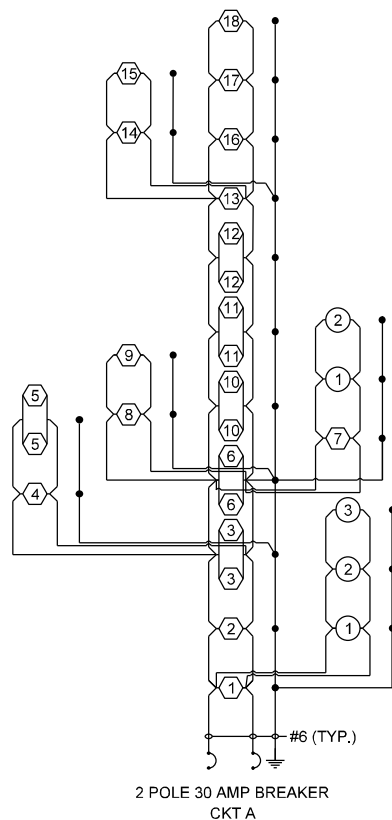
NOTES:

- 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.

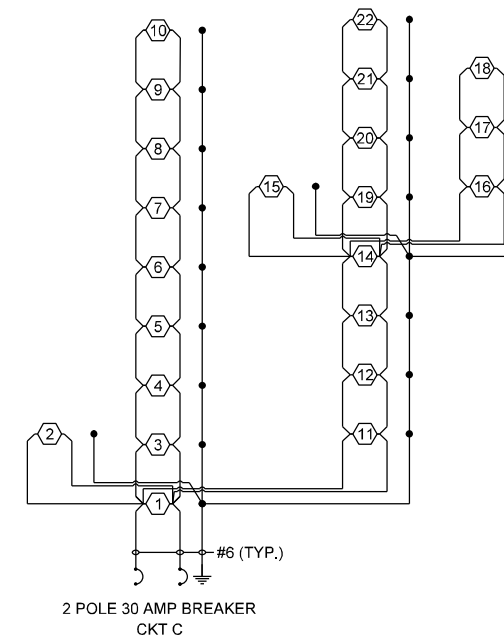
-  ROADWAY LUMINAIRE, LED
-  FLOOD LIGHTING UNIT
-  GROUND ROD



PROPOSED LIGHTING CONTROLLER - NORTH AREA  
BASE MOUNTED, 240 VOLT, 200 AMP



PROPOSED LIGHTING CONTROLLER - SOUTH AREA  
BASE MOUNTED, 240 VOLT, 200 AMP



MODEL: Default  
FILE NAME: Subprojects\3505 - VanBuren Lighting Projects - Statewide - EIM\Project Work\Electrical\District 9\Renov Lake\CADD\Sheet\09-sh-light2.dgn

USER NAME = bbarr	DESIGNED -	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN -	REVISED -
PLOT DATE = 3/24/2023	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

WIRING DIAGRAMS

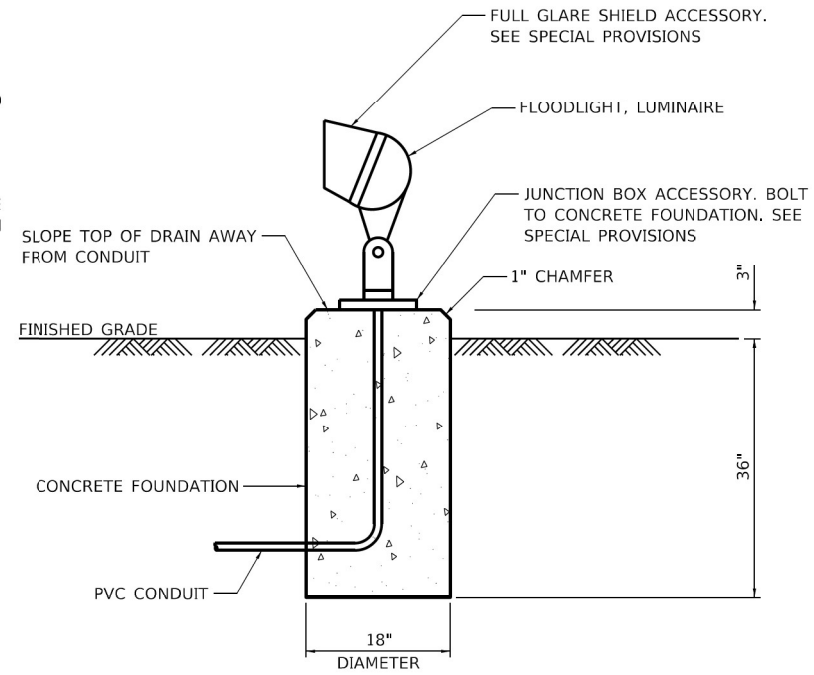
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	REND LAKE RESORT 2022	FRANKLIN	49	40
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



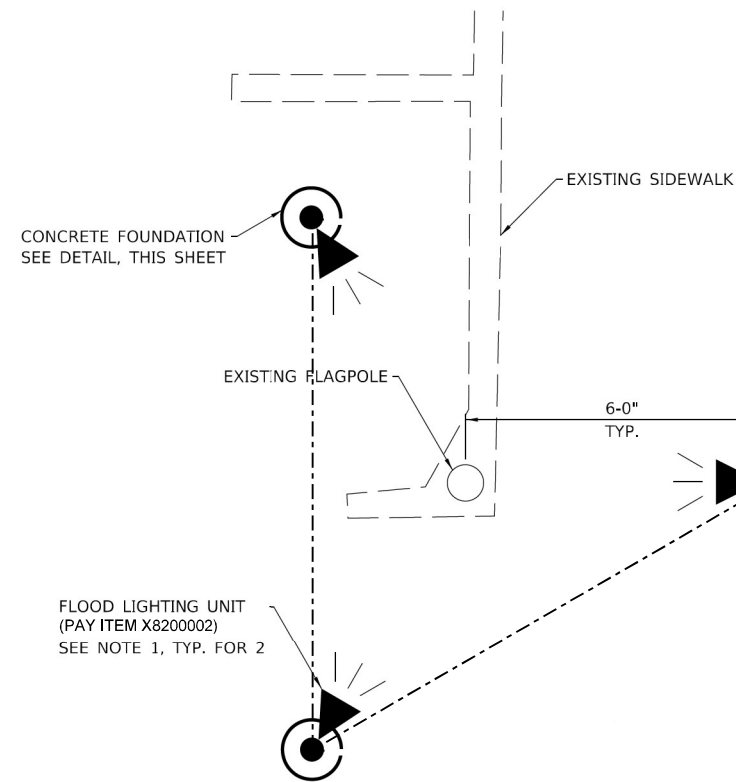
**NOTES:**

1. FOUNDATION SHALL NOT BE COUNTED SEPARATELY AND INCLUDED IN THE FLOOD LIGHTING UNIT (PAY ITEM X8200002)
2. ADJUST AIMING AT NIGHT TO PROVIDE COMPLETE ILLUMINATION OF THE SIGN FACE AND POLE MOUNTED FLAGS



**FLOOD LIGHTING UNIT (X8200002)**

NTS



**FLAGPOLE LIGHTING PLAN DETAIL**

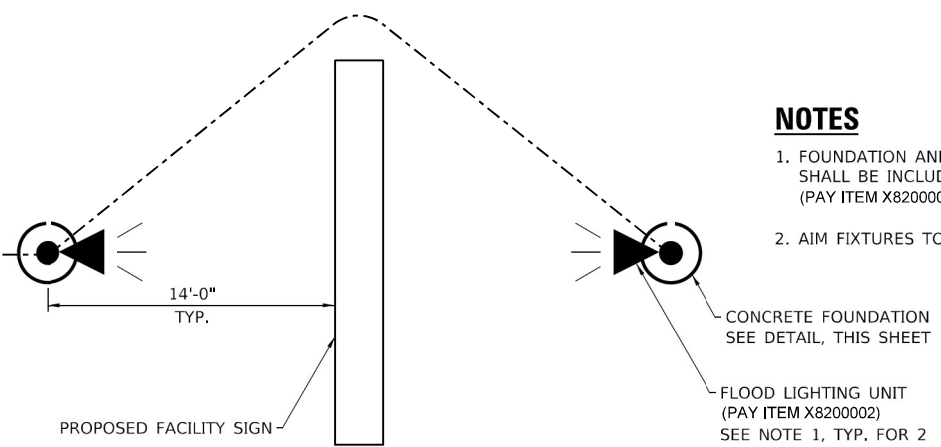
NTS

**NOTES**

1. FOUNDATION SHALL BE INCLUDED IN FLOOD LIGHTING UNIT, PAY ITEM.
2. AIM FIXTURES TO ILLUMINATE FLAGS.

PROPOSED CONDUIT TO ADJACENT LIGHT POLE. SEE LIGHTING PLAN FOR CONDUIT SIZE.

PROPOSED CONDUIT TO ADJACENT LIGHT POLE. SEE LIGHTING PLAN FOR CONDUIT SIZE.



**ENTRANCE SIGN LIGHTING DETAIL**

NTS

**NOTES**

1. FOUNDATION AND CONDUIT TO JUNCTION BOX SHALL BE INCLUDED IN FLOOD LIGHTING UNIT (PAY ITEM X8200002).
2. AIM FIXTURES TO ILLUMINATE SIGN.

CONCRETE FOUNDATION SEE DETAIL, THIS SHEET

FLOOD LIGHTING UNIT (PAY ITEM X8200002) SEE NOTE 1, TYP. FOR 2

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PLOT SCALE = 100,0000 ' / in.	DRAWN -	REVISED -
PLOT DATE = 3/24/2023	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

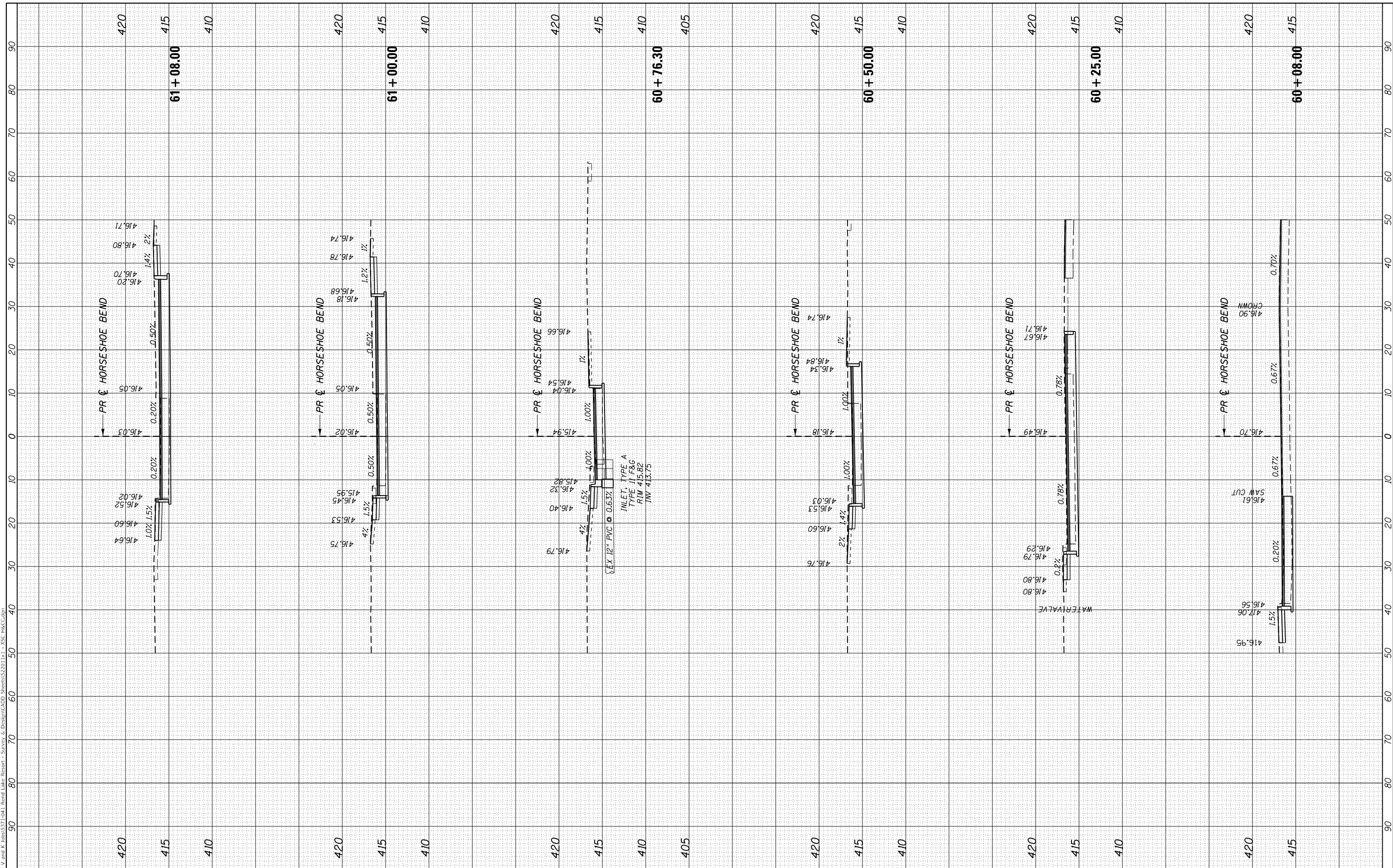
<b>FLOOD LIGHTING UNIT DETAILS</b>			
SCALE: NTS	SHEET 6 OF 6 SHEETS	STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	REND LAKE RESORT 2022	FRANKLIN	49	41
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS		
	CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS		
	CHECKED		

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USER NAME = jbeque	DESIGNED - JEB	REVISED -
PLOT SCALE = 20,000' / in.	DRAWN - JEB	REVISED -
PLOT DATE = 4/16/2023	CHECKED - RHD	REVISED -
	DATE - 4/14/23	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DEPARTMENT OF NATURAL RESOURCES

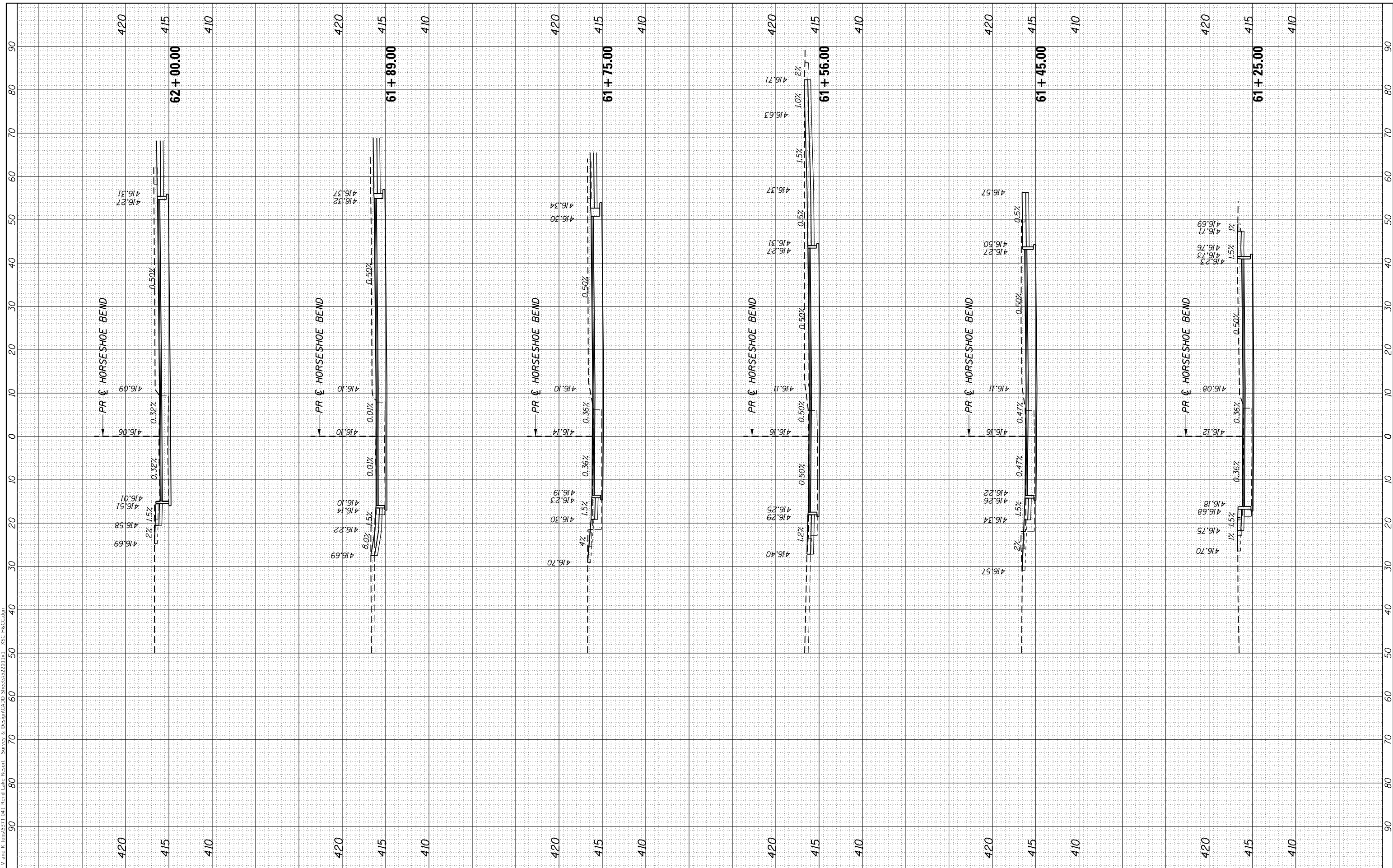
CROSS SECTIONS - HOTEL & CONVENTION CENTER  
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	FITZGERRELL PARKING	FRANKLIN	49	42
CONTRACT NO. 46932				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED AREAS CHECKED	BY	DATE

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USER NAME = jbeque	DESIGNED - JEB	REVISED -
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PLOT DATE = 4/16/2023	CHECKED - RHD	REVISED -
	DATE - 4/14/23	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
 DEPARTMENT OF NATURAL RESOURCES**

**CROSS SECTIONS - HOTEL & CONVENTION CENTER**

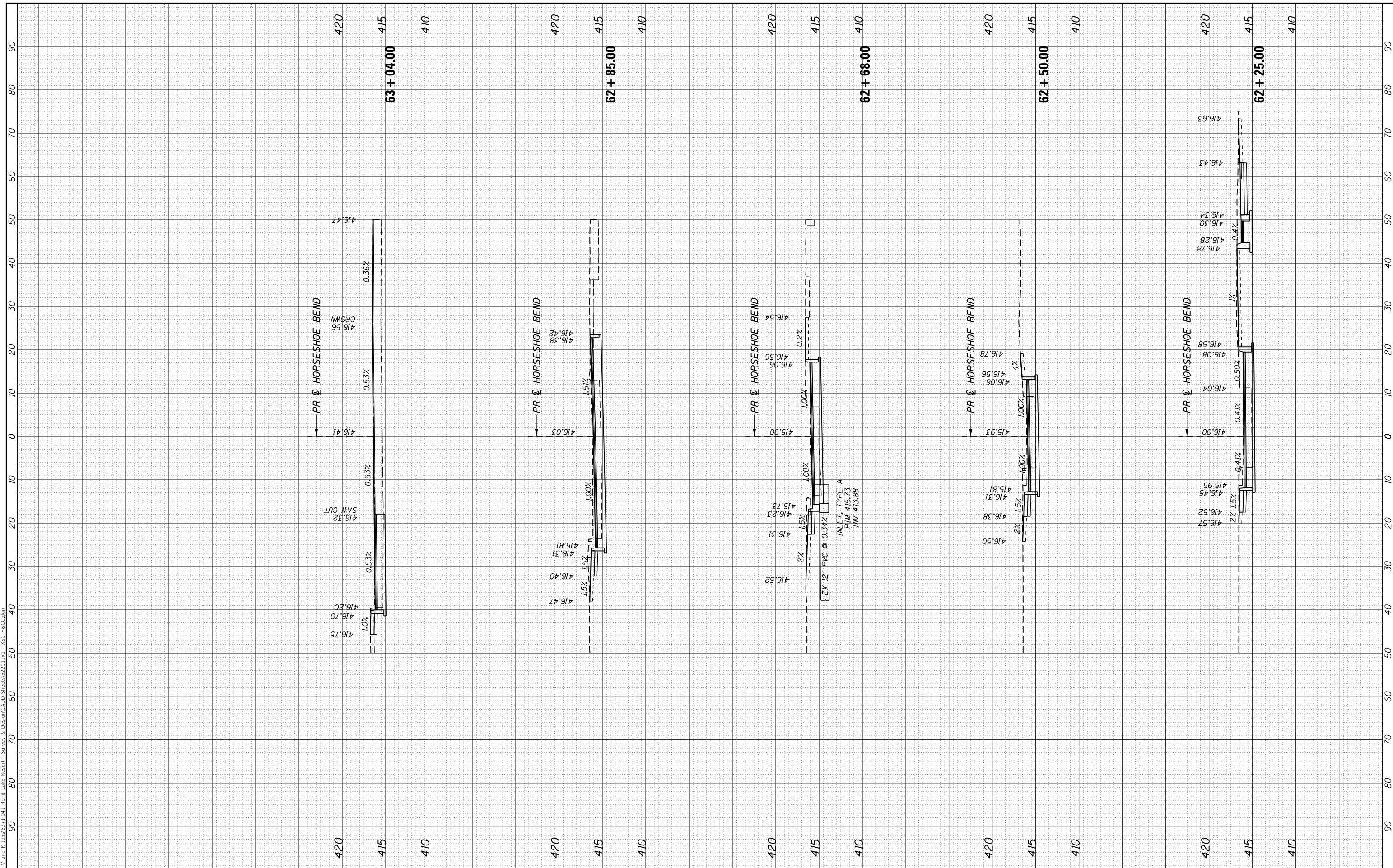
SCALE: SHEET 2 OF 3 SHEETS STA. 61+25.00 TO STA. 62+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	FITZGERRELL PARKING	FRANKLIN	49	43
CONTRACT NO. 46932				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
	AREAS CHECKED		

ORIGINAL SURVEY NO.	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
	AREAS CHECKED		

MODEL: D:\dmr\ FILE NAME: Z10 V and K Jobs\5371-041 Rend Lake Resort - Survey & Design\CADD Sheets\5220117 - XSC HSC.dgn



USER NAME = jbeque	DESIGNED - JEB	REVISED -
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PLOT DATE = 4/16/2023	CHECKED - RHD	REVISED -
	DATE - 4/14/23	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DEPARTMENT OF NATURAL RESOURCES**

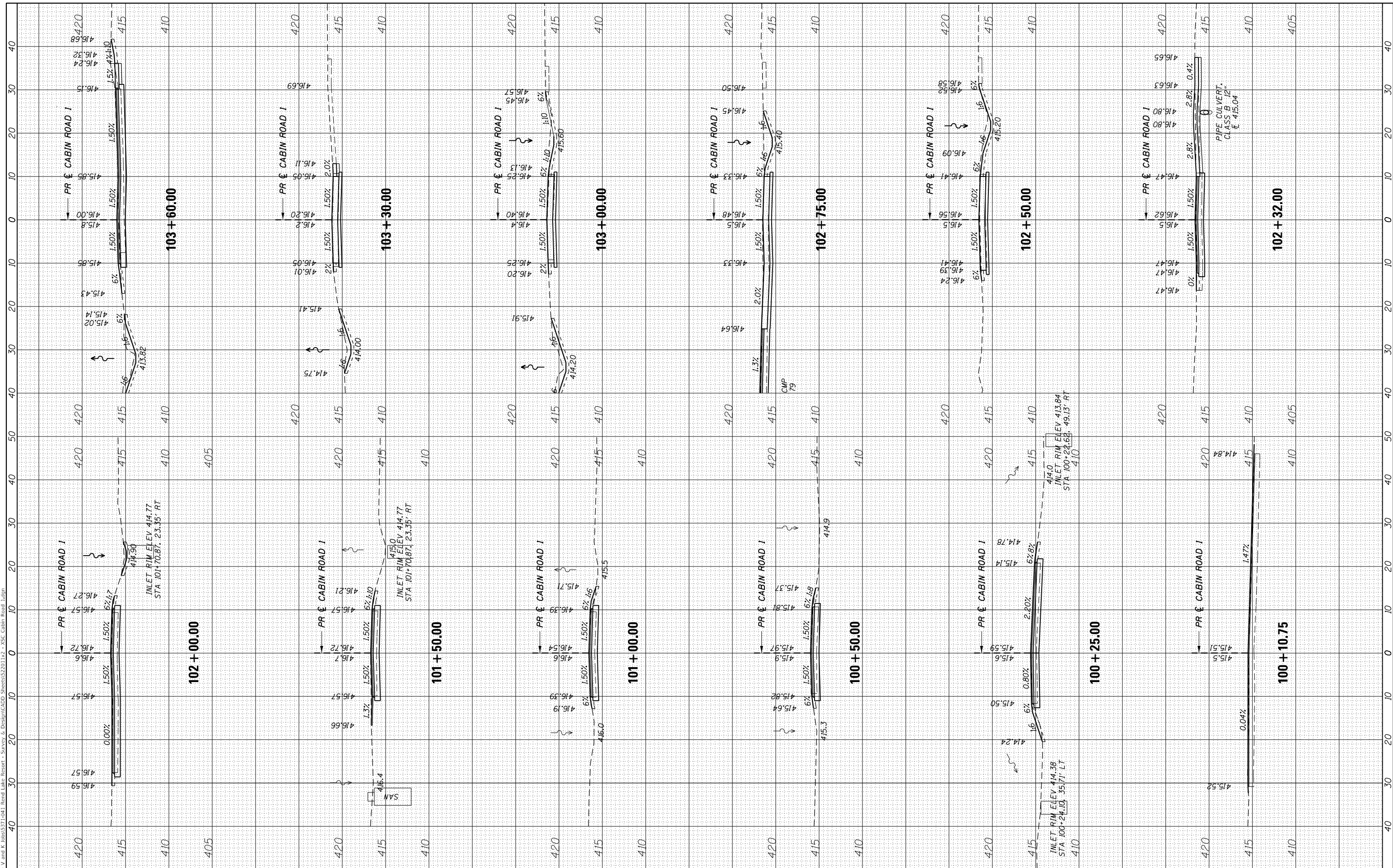
<b>CROSS SECTIONS - HOTEL &amp; CONVENTION CENTER</b>	
SCALE:	SHEET 3 OF 3 SHEETS STA. 62+25.00 TO STA. 63+04.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	FITZGERRELL PARKING	FRANKLIN	49	44
CONTRACT NO. 46932				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS CHECKED		

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FILE NAME: Z10 V and K Jobs\571-041 Rend Lake Resort - Survey & Design\CADD Sheets\220112 - XSC Cabin Road Lotm



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PLOT DATE = 4/16/2023	CHECKED - RHD	REVISED -
	DATE - 4/14/23	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DEPARTMENT OF NATURAL RESOURCES**

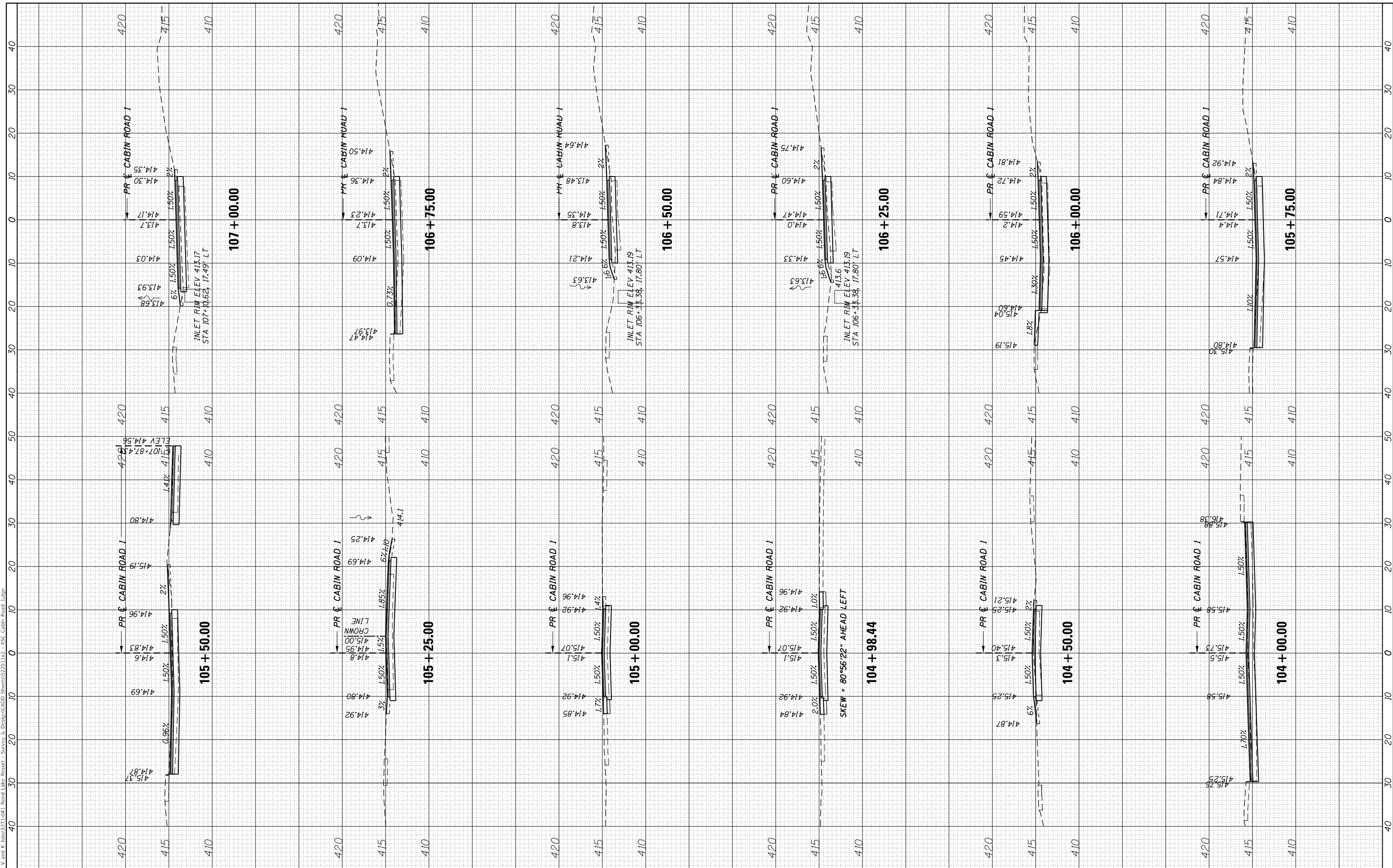
<b>CROSS SECTIONS - CABIN ROAD 1</b>		
SCALE:	SHEET 1 OF 3 SHEETS	STA. 100+10.75 TO STA. 103+60.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	FITZGERRELL PARKING	FRANKLIN	49	45
CONTRACT NO. 46932				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS CHECKED		

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USER NAME = jbeque	DESIGNED - JEB	REVISED -
PLOT SCALE = 20,000' / in.	DRAWN - JEB	REVISED -
PLOT DATE = 4/16/2023	CHECKED - RHD	REVISED -
	DATE - 4/14/23	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
 DEPARTMENT OF NATURAL RESOURCES

CROSS SECTIONS - CABIN ROAD 1

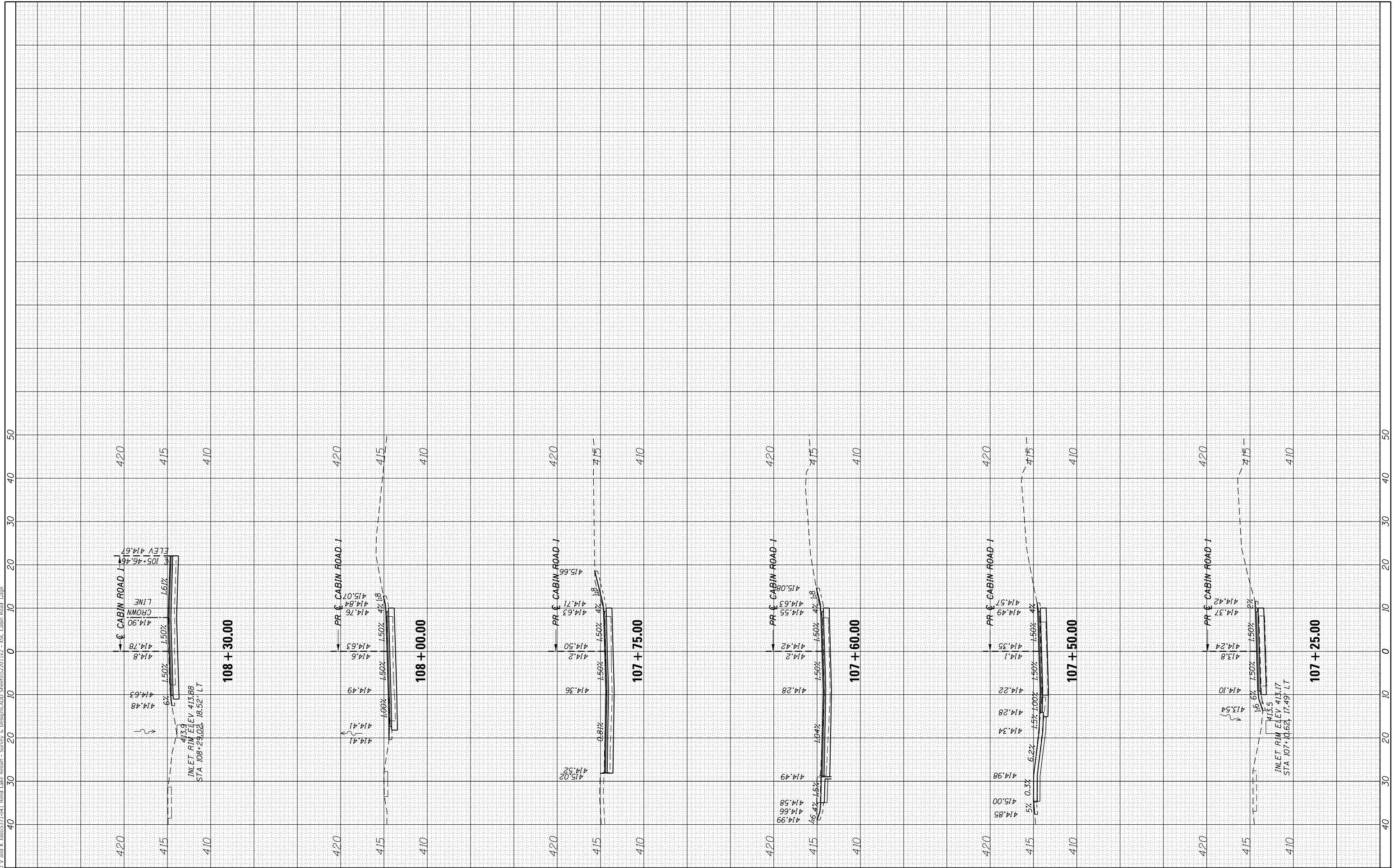
SCALE: SHEET 2 OF 3 SHEETS STA. 104+00.00 TO STA. 107+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	FITZGERRELL PARKING	FRANKLIN	49	46
			CONTRACT NO. 46932	
ILLINOIS		FED. AID PROJECT		

FINAL SURVEY NO.	SURVEYED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED AREAS CHECKED	BY	DATE

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 FILE NAME: Z10 V and K Jobs\5371-041 Rend Lake Resort - Survey & Design\CAD Sheets\520112 - XSC Cabin Road Layout



USER NAME = jbeque	DESIGNED - JEB	REVISED -
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PLOT DATE = 4/16/2023	CHECKED - RHD	REVISED -
	DATE - 4/14/23	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
 DEPARTMENT OF NATURAL RESOURCES

CROSS SECTIONS - CABIN ROAD 1

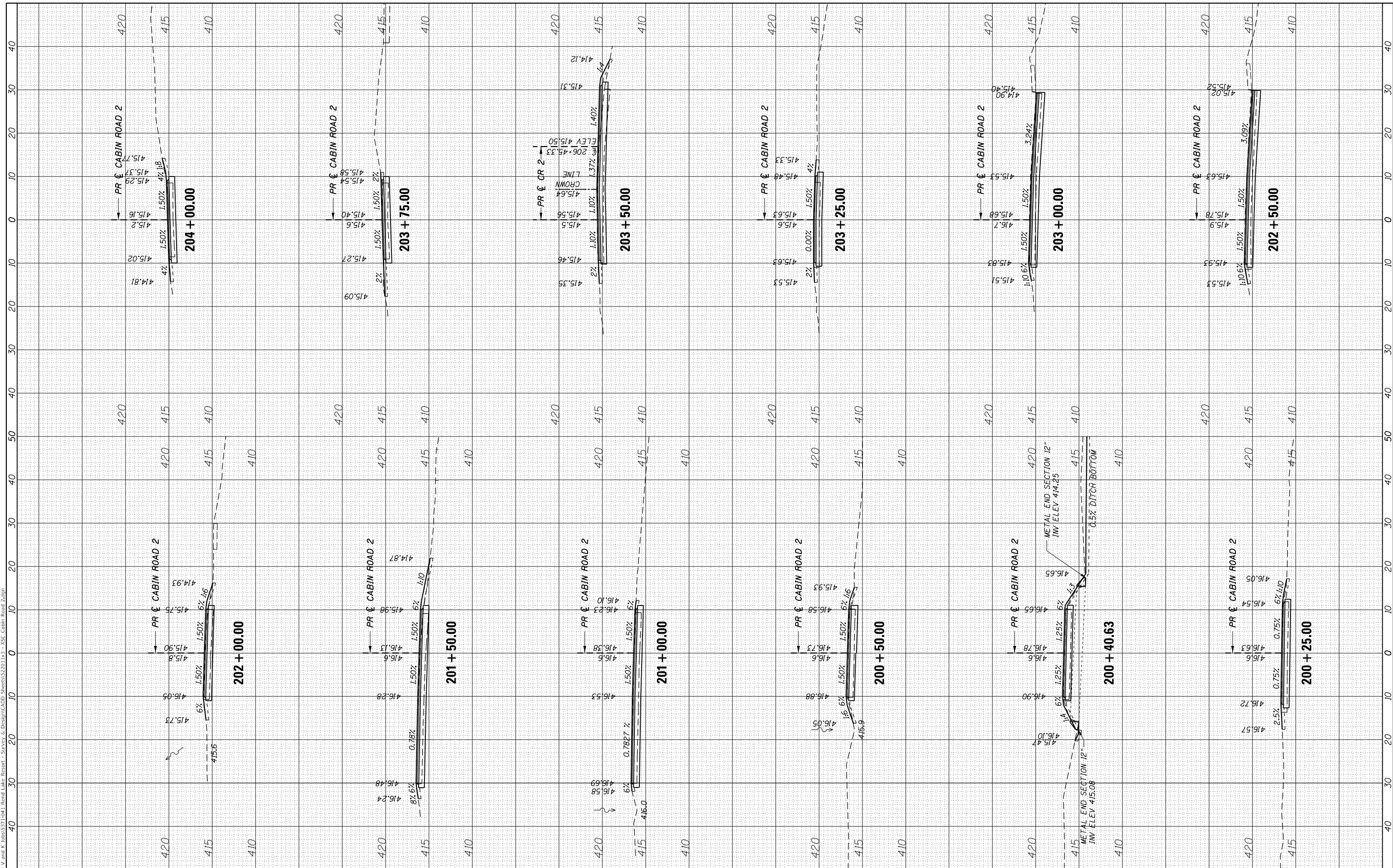
SCALE: SHEET 3 OF 3 SHEETS STA. 107+25.00 TO STA. 108+30.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	FITZGERRELL PARKING	FRANKLIN	49	47
CONTRACT NO. 46932				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED	DATE
NOTE BOOK NO.	PLOTTED	
AREAS CHECKED	TEMPLATE	
	AREAS	
	CHECKED	

ORIGINAL SURVEY NO.	SURVEYED	DATE
NOTE BOOK NO.	PLOTTED	
AREAS CHECKED	TEMPLATE	
	AREAS	
	CHECKED	

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PLOT SCALE = 20,0000' / in.	DRAWN - JEB	REVISED -
PLOT DATE = 4/16/2023	CHECKED - RHD	REVISED -
	DATE - 4/14/23	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
 DEPARTMENT OF NATURAL RESOURCES

CROSS SECTIONS - CABIN ROAD 2  
 SCALE: SHEET 1 OF 2 SHEETS STA. 200+25.00 TO STA. 204+00.00

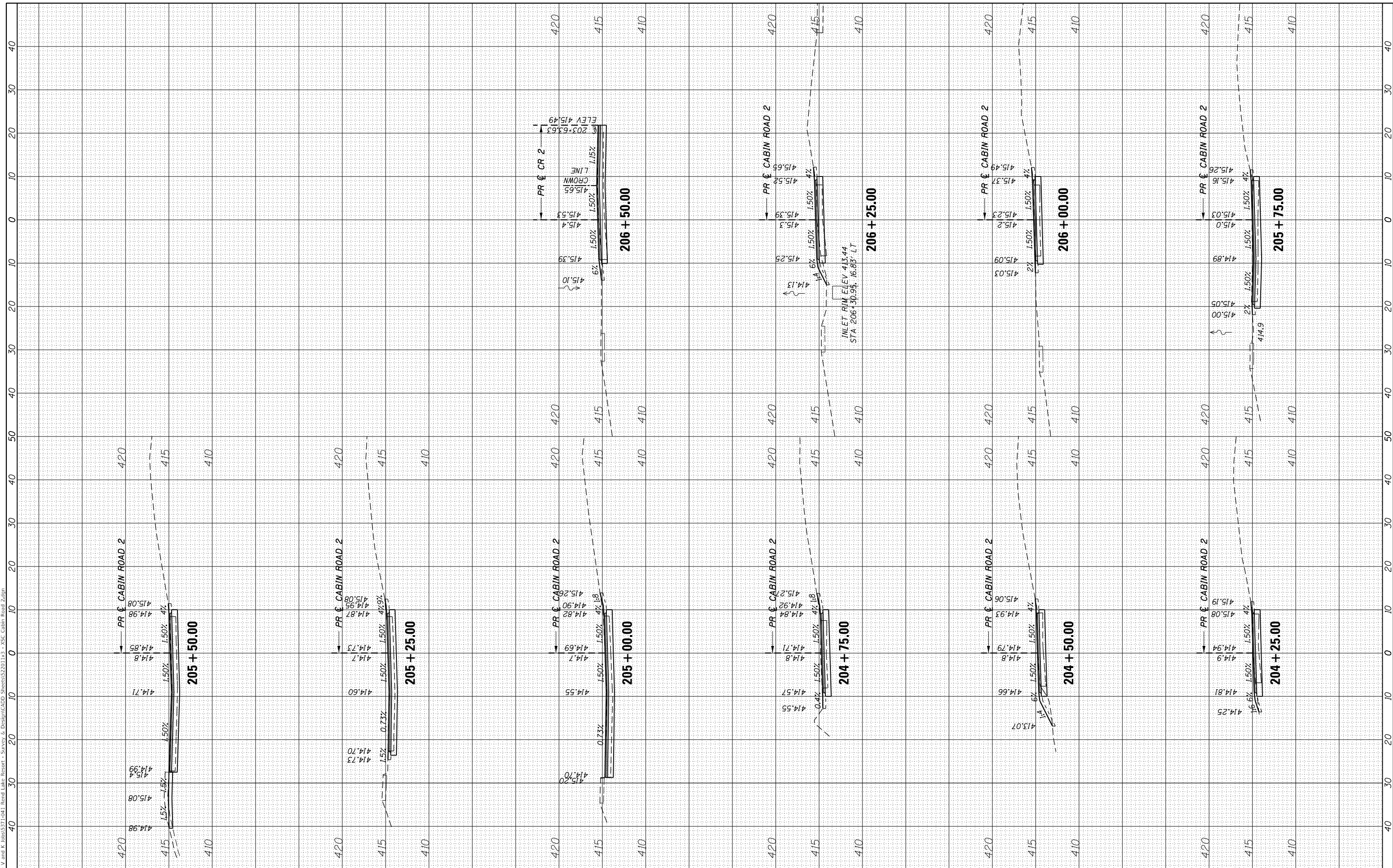
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	FITZGERRELL PARKING	FRANKLIN	49	48
				CONTRACT NO. 46932
ILLINOIS				FED. AID PROJECT



FINAL SURVEY NO.	SURVEYED	BY	DATE
	PLOTTED		
	TEMPLATE		
	AREAS		
	CHECKED		

ORIGINAL SURVEY NO.	SURVEYED	BY	DATE
	PLOTTED		
	TEMPLATE		
	AREAS		
	CHECKED		

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PLOT DATE = 4/16/2023	CHECKED - RHD	REVISED -
	DATE - 4/14/23	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
 DEPARTMENT OF NATURAL RESOURCES**

**CROSS SECTIONS - CABIN ROAD 2**

SCALE: SHEET 2 OF 2 SHEETS STA. 204+25.00 TO STA. 206+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	FITZGERRELL PARKING	FRANKLIN	49	49
			CONTRACT NO. 46932	
		ILLINOIS	FED. AID PROJECT	