

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PARK ROADS 2018-01	MENARD	31	1
		ILLINOIS	CONTRACT NO. 46900	

D-6

INDEX OF SHEETS

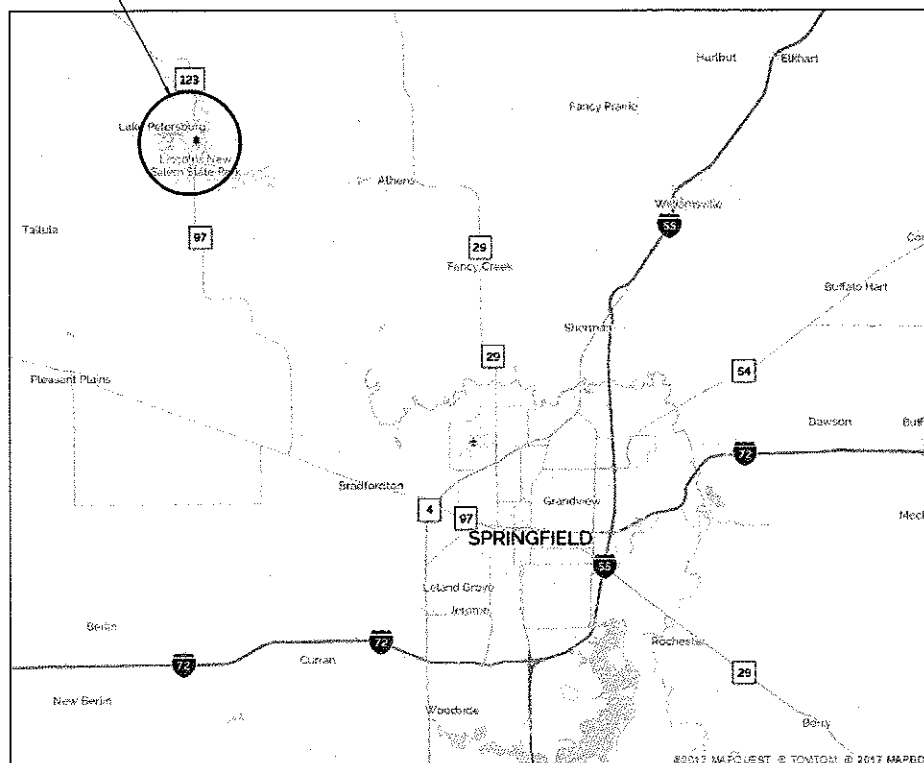
SHEET NO.	SHEET TITLE
1	COVER SHEET
2	LEGEND, GENERAL NOTES, LIST OF STANDARDS, AND DETAILS
3-4	SUMMARY OF QUANTITIES
5	SCHEDULE OF QUANTITIES
6-8	TYPICAL SECTIONS
9	ALIGNMENT, TIES & BENCHMARK SHEET
10-13	REMOVAL PLANS
14-17	PROPOSED PLANS
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22	WOOD POST AND RAIL FENCE DETAILS
23	ROADWAY OVER PROPOSED CULVERT & DETAILS
24	GATE DETAILS
25-31	STRUCTURE PLANS

PROPOSED HIGHWAY PLANS
IDOT /IDNR STATEWIDE
PARK ROADS / LINCOLN'S NEW SALEM STATE HISTORIC SITE
SECTION PARK ROADS 2018-01
ROADWAY AND BRIDGE IMPROVEMENTS
MENARD COUNTY

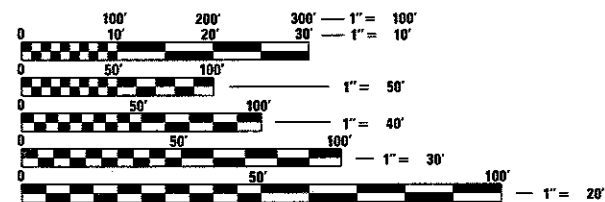
C-30-015-18

FOR LIST OF STANDARDS,
SEE SHEET #2

PROJECT LOCATION
STRUCTURE NUMBER
SN065-9203



MAP NOT TO SCALE



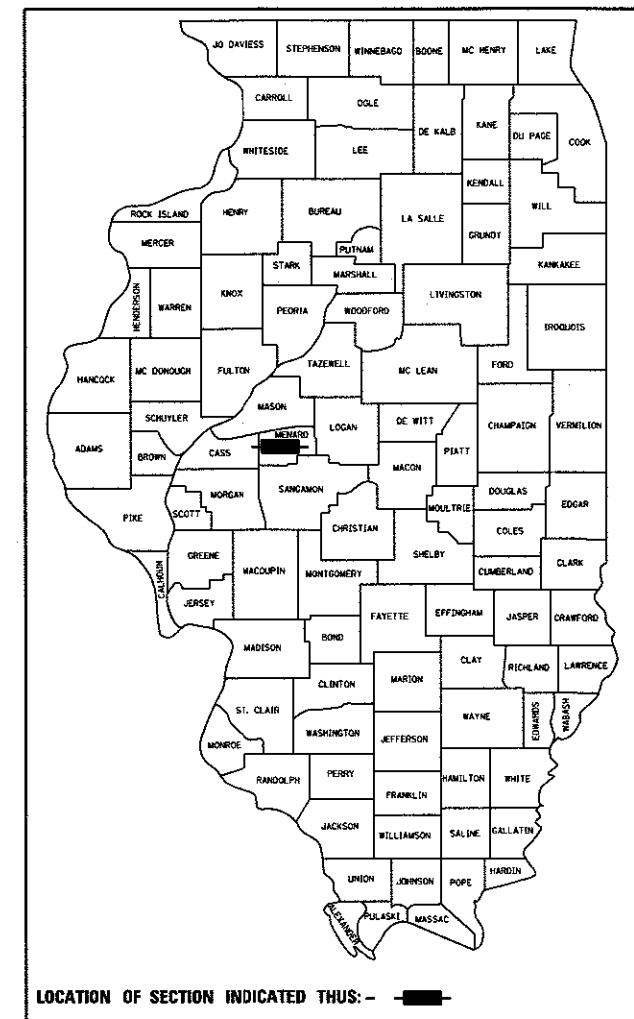
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER: VINCE MADONIA (217) 782-4074

CONTRACT NO. 46900

GROSS LENGTH = 13,800 FT. = 2.614 MILE
NET LENGTH = 13,800 FT. = 2.614 MILE



ROBERT H. DALTON
REGISTERED PROFESSIONAL ENGINEER
OF ILLINOIS
EXPIRES 11/30/17
SIGNED 5/17/17

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
SUBMITTED July 11 2017
[Signature]
REGIONAL ENGINEER
Aug 18 2017
[Signature]
ENGINEER OF DESIGN AND ENVIRONMENT
Aug 18 2017
[Signature]
DIRECTOR OF PROGRAM DEVELOPMENT

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

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, IDEMNIFY, 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 I. 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". MULCH METHOD II SHALL BE APPLIED OVER ALL SEEDED AREAS. THIS SHALL BE INCLUDED IN THE COST OF "TOPSOIL, FURNISH AND PLACE, VARIABLE DEPTH". THIS WORK SHALL NOT BE PAID SEPERATELY BUT SHALL BE INCIDENTAL TO THE CONTRACT.
- 12) 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.
- 13) CONSULT WITH THE SITE SUPERINTENDENT TO IDENTIFY STAGING AREAS AND MATERIAL STORAGE AREAS. EXISTING WOOD RAILING SHALL BE CUT INTO MANAGABLE LENGTHS AND STORED ON SITE AS DIRECTED BY THE SITE SUPERINTENDENT.
- 14) ALL SIGN LOCATIONS ARE TO BE STAKED IN THE FIELD BY THE RESIDENT ENGINEER.
- 15) ALL TREES AND SHRUBBERY SHALL BE PROTECTED UNLESS THEY ARE SHOWN TO BE REMOVED ON THE DEMOLITION SHEETS.

LEGEND

- | | | | |
|-----------|-------------------------|---|-----------------------------|
| ← | PROPOSED STORM SEWER | ⊞ | EXISTING POWER POLE |
| — | EXISTING STORM SEWER | ⊞ | EXISTING FIRE HYDRANT |
| - - - - - | EXISTING DITCH | ⊞ | EXISTING CATCH BASIN |
| ■ | PROPOSED INLET | ⊞ | EXISTING INLET |
| ⊞ | EXISTING SIGN | ⊞ | EXISTING MANHOLE |
| ⊞ | EXISTING LIGHT POLE | ⊞ | EXISTING FLARED END SECTION |
| ⊞ | EXISTING WATER VALVE | ⊞ | EXISTING BOLLARD |
| ⊞ | EXISTING DECIDUOUS TREE | ⊞ | EXISTING JUNCTION BOX |

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
424001-09	PERPENDICULAR CURB RAMPS
442201-03	CLASS C & D PATCHES
542401-02	METAL END SECTION FOR PIPE CULVERTS
630006	NON-BLOCKED STEEL PLATE BEAM GUARDRAIL
701901-06	TRAFFIC CONTROL DEVICES
780001-05	TYPICAL PAVEMENT MARKINGS
BLR 21-9	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS
631006-08	TRAFFIC BARRIER TERMINAL, TYPE 1B

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

MIX USE	LEVELING BINDER	SURFACE	PATCHING
PG	PG 64-22	PG 64-22	PG 64-22
DESIGN AIR VOIDS	4.0% @ N50	4.0% @ N50	4.0% @ N50
MIXTURE COMPOSTITION	IL 9.5	IL 9.5	IL 19.0
FRICTION AGGREGATE	N/A	MIX "C"	N/A
QUALITY MANAGEMENT PROGRAM	QC/QA	QC/QA	QC/QA
SUBLOT SIZE	N/A	N/A	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
SEEDING FERTILIZER NUTRIENTS (N, P, K)	90,90,90 LBS/ACRE
PARKING LOT SEAL COAT	0.27 GAL/SQ YD

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Default	PLOT SCALE = 40.0000' / in.	DRAWN - S.D.K.	REVISED -
	PLOT DATE = 5/16/2017	CHECKED - R.H.D.	REVISED -
		DATE - 5/17/17	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

GENERAL NOTES	
LINCOLN'S NEW SALEM STATE HISTORIC SITE	
SCALE:	SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PARK ROADS 2018-01	MENARD	31	2
CONTRACT NO. 46900				
ILLINOIS FED. AID PROJECT				

JOB NO. 250-141-1 VASCONCELLES ENGINEERING CORP. DESIGN FIRM REGISTRATION NUMBER 184-002107

CODE NO.	ITEM	UNIT	RURAL 100% STATE TOTAL QUANTITY	CONSTRUCTION CODE	
				ROADWAY	BOX CULVERT
				0004 S.N.	0004
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	16	16	
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	18	18	
21101600	TOPSOIL FURNISH AND PLACE, VARIABLE DEPTH	SQ YD	741	741	
28100107	STONE RIPRAP, CLASS A4	SQ YD	133		133
28200200	FILTER FABRIC	SQ YD	133		133
35101400	AGGREGATE BASE COURSE, TYPE B	TON	39	39	
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	194	194	
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	3616	3616	
40600525	LEVELING BINDER (HAND METHOD), N50	TON	20	20	
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	252	252	
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	386	386	
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	450	450	
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	714	714	
42400800	DETECTABLE WARNINGS	SQ FT	45	45	

CODE NO.	ITEM	UNIT	RURAL 100% STATE TOTAL QUANTITY	CONSTRUCTION CODE	
				ROADWAY	BOX CULVERT
				0004 S.N.	0004
44000152	HOT-MIX ASPHALT SURFACE REMOVAL, 3/4"	SQ YD	4161	4161	
44201769	CLASS D PATCHES, TYPE III, 10 INCH	SQ YD	74	74	
45100200	CRACK FILLING	POUND	11480	11480	
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1		1
51500100	NAME PLATES	EACH	1		1
54001001	BOX CULVERT END SECTIONS, CULVERT NO. 1	EACH	2		2
54011206	PRECAST CONCRETE BOX CULVERTS 12' X 6'	FOOT	82		82
54215553	METAL END SECTIONS 18"	EACH	2	2	
54215559	METAL END SECTIONS 24"	EACH	2	2	
54390180	INSERTION CULVERT LINER 24"	FOOT	56	56	
54390260	INSERTION CULVERT LINER 48"	FOOT	88	88	
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	80	80	
* 63000019	NON-BLOCKED STEEL PLATE BEAM GUARDRAIL	FOOT	550	550	
67000500	ENGINEER'S FIELD OFFICE, TYPE B	CAL MO	6	6	

* SPECIALTY ITEM

FILE NAME = D646980-sh-2003-004-sum.dgn	USER NAME = stevek	DESIGNED - R.H.D.	REVISED - S.D.K. 7/19/17
		DRAWN - S.D.K.	REVISED -
		CHECKED - R.H.D.	REVISED -
		DATE - 5/17/17	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
LINCOLN'S NEW SALEM STATE HISTORIC SITE

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PARK ROADS 2018-01	MENARD	31	3
			CONTRACT NO. 46900	
ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	RURAL 100% STATE CONSTRUCTION CODE	
				ROADWAY	BOX CULVERT
				0004 S.N.	0004
67100100	MOBILIZATION	LSUM	1	1	
* 78001100	PAINT PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	43	43	
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	11780	11780	
* 78001130	PAINT PAVEMENT MARKING - LINE 6"	FOOT	1316	1316	
* 78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	6701	6701	
* 78009024	MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	FOOT	29	29	
X032777	PAVEMENT MARKING REMOVAL - GRINDING	SQ FT	4009	4009	
* 63100041	TRAFFIC BARRIER TERMINAL, TYPE 1B	EACH	2	2	
X0301797	GATE REMOVAL	EACH	1	1	
X0322128	MEMBRANE WATERPROOFING FOR BURIED STRUCTURES	SQ YD	142		142
X0323013	TUBULAR STEEL GATE	EACH	1	1	
X0327308	PARKING LOT SEAL COAT	GALLON	6709	6709	
X2020410	EARTH EXCAVATION (SPECIAL)	CU YD	4.7	4.7	
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	LSUM	1	1	

* SPECIALTY ITEM

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	RURAL 100% STATE CONSTRUCTION CODE	
				ROADWAY	BOX CULVERT
				0004 S.N.	0004
Z0013798	CONSTRUCTION LAYOUT	LSUM	1	1	
Z0023602	GRANULAR CULVERT BACKFILL	CU YD	57		57
* Z0054517	ROCK FILL - FOUNDATION	TON	150		150
Z0077900	WOOD POST AND RAIL FENCE	FOOT	105.5	105.5	
X7011006	TRAFFIC CONTROL AND PROTECTION FOR TEMPORARY DETOUR	EACH	1	1	

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MISCELLANEOUS ITEMS SCHEDULE												
STA.	STA.	TREE REMOV 6-15 (UNIT) 20100110	TREE REMOV OVER 15 (UNIT) 20100110	TOPSOIL FURN & PLACE, VAR DEPTH (SQ YD) 21101600	PCC SIDEWALK 5" (SQ FT) 42400200	DETECTABLE WARNINGS (SQ FT) 42400800	NON-BLOCKED SPBGR (FOOT) 63000019	TRAF BAR TERM T1B (EACH) 63100041	GATE REMOVAL (EACH) X0301797	TUB STEEL GATE (EACH) X0323013	EARTH EXCAVATION SPL (CU YD) X2020410	WD POST & RAIL FENCE (FOOT) Z0077900
100+16.50 RT & LT	to 101+17.63 RT & LT			47								
101+09.00, 20.0' LT	to 101+11.50, 24.5' RT									1		
101+10.00, 18.5' LT	to 101+63.50, 19.7' LT											53.5
101+11.40, 12.5' LT	to 101+72.50, 17.4' LT				387.3							
101+11.60, 12.3' LT	to 101+21.63, 12.5' LT									1.0		
101+11.90, 13.0' LT	to 101+16.90, 13.0' RT					10						52
101+13.00, 23.0' RT	to 101+65.00, 22.0' RT									0.8		
101+13.60, 16.9' RT	to 101+21.63, 16.6' RT											
101+13.90, 16.6' RT	to 101+64.10, 15.7' RT				326.5							
101+15.00, 18.0' RT	to 101+15.00, 14.0' LT								1			
101+14.40, 17.1' RT	to 101+17.40, 17.0' RT					13						
101+49.00, 20.0' LT												
101+53.00, 26.0' RT		8	18									
101+53.88, 13.3' RT	to 101+64.10, 15.7' RT									1.1		
101+53.88, 13.3' LT	to 101+72.50, 17.4' LT									1.8		
101+53.88 RT & LT	to 105+75.00 RT & LT			188								
101+57.00, 13.8' LT	to 101+63.10, 13.9' LT					12						
101+58.65, 16.3' RT	to 101+63.65, 16.2' RT					10						
101+62.00, 26.0' RT		8										
105+75.00 RT & LT	to 117+13.00 RT & LT			506								
107+50.00, 14.8' LT	to 113+00.00, 13.5' LT						550	2				
VISITOR CENTER												
		16	18	741	713.8	45	550	2	1	1	4.7	105.5

PAVEMENT MARKING SCHEDULE							
STA.	STA.	PAINT PVT MARK LET & SYM (SQ FT) 78001100	PAINT PVT MARK LINE 4" (FOOT) 78001110	PAINT PVT MARK LINE 6" (FOOT) 78001130	MOD URETH PM LINE 4 (FOOT) 78009004	MOD URETH PM LINE 24 (FOOT) 78009024	PAVMT MRKG REM GRIND (SQ FT) X0327979
100+04.60, 65.0' RT	to 100+76.00, 18.20' RT				95		
100+16.50, 50.50, 64.0' LT	to 105+75.00, 12.0' LT				558.5		
100+40.00, 2.5' RT	to 100+40.00, 28.0' LT					29	
100+40.00	to 102+20.00				360		
101+13.00, 15.3' RT	to 105+38.00, 12.0' RT				425		
102+20.00 RT & LT	to 104+00.00 RT & LT				360		
104+00.00	to 105+75.00				350		
105+75.00 RT & LT	to 117+13.00 RT & LT				2,276		
105+75.00	to 117+13.00 CENTERLINE				2,276		
125+50.00	to 129+10.00		90				36
125+50.00	to 129+10.00		720				240
127+45.00	to 128+86.00		300				111
127+77.00, 12.5' LT	to 129+10.00, 13.0' LT		232				86
129+10.00, 13.0' LT	to 129+26.00, 13.0' LT		20				
129+10.00	to 137+96.00		1,994				680
VISITOR CENTER PARKING LOT							
	BAY "A"	6.2	518	188			173
	BAY "B"	18.6	1,104	564			368
	BAY "C"	18.6	1,104	564			368
	BAY "D"		1,152				384
	BAY "E"		1,152				384
	BAY "F"		1,186				411
	BAY "G"		1,152				384
	BAY "H"		1,056				384
TOTAL =		43	11,780	1,316	6,701	29	4,009

PAVING SCHEDULE													
STA.	STA.	AGG BASE CSE B (TON) 35101400	BIT MATLS (PRIME COAT) (POUND) 40600275	BIT MATLS (TACK COAT) (POUND) 40600290	LEV BIND HM N50 (TON) 40600525	LEV BIND MM N50 (TON) 40600625	HMA SURF REM BUTT JT (SQ YD) 40600982	HMA SURF CSE, MIX "C", N50 (TON) 40603310	HMA SURF REM 3/4 (SQ YD) 440000152	CL D PATCH T3 10 (SQ YD) 44201769	CRACK FILLING (POUND) 45100200	COMB CC&G TB6.24 (FOOT) 60605000	PARK LOT SEAL CT (GALLON) X0327308
100+10.60	to 100+25.60							172.5					
100+10.60	to 101+21.63			467		32		59					
100+82.50	to 101+08.10	RT						36					
101+21.63	to 101+53.88	39	194	58		8		7					
101+17.40, 10' LT	to 101+56.60, 10.7' LT											39.2	
101+17.80, 14' RT	to 101+58.00, 13.2' RT											40.2	
101+53.88	to 105+75.00			903		62		112					
102+40.00	to 102+55.00							63					
102+40.00	to 105+75.00								1,017				
105+38.00, 11.3' RT	to 106+03.00, 11.3' RT							66					
105+75.00	to 117+13.00			2188		150		272	3,144				
116+98.00	to 117+13.00							48					
125+50.00	to 129+10.00									430			432
129+10.00	to 137+96.00									1060			509
VISITOR CENTER PARKING LOT													
AS NEEDED													
ENTIRE PROJECT													
		39	194	3,616	20	252	386	450	4,161	74	11,490	79.4	6,709

DRAINAGE SCHEDULE					
STA.	STA.	METAL END SEC 18" (EACH) 54215553	METAL END SEC 24" (EACH) 54215559	INSERT CULV LINER 24" (FOOT) 54390180	INSERT CULV LINER 48" (FOOT) 54390260
110+60.39, 28' RT		1			
110+60.39, 28' LT		1			
112+25.00, 37' LT			1		
112+79.50, 32' RT			1		
110+60.39, 28' RT	to 110+60.39, 28' LT			56	
112+25.00, 37' LT	to 112+79.50, 32' RT				88
TOTAL =		2	2	56	88

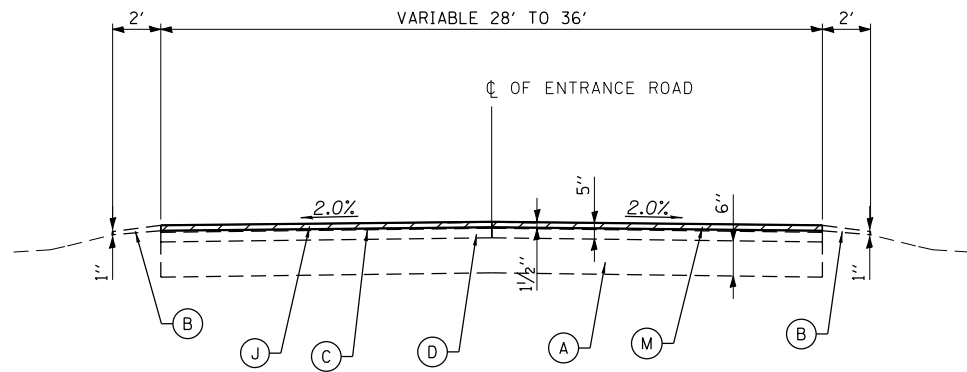
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

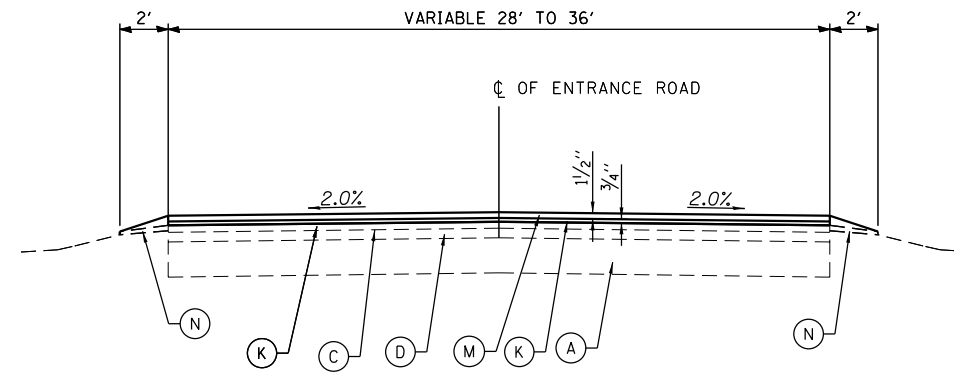
SCHEDULE OF QUANTITIES			
LINCOLN'S NEW SALEM STATE HISTORIC SITE			
SCALE:	SHEET 1 OF 1 SHEETS	STA.	TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PARK ROADS 2018-01	MENARD	31	5
ILLINOIS FED. AID PROJECT			CONTRACT NO. 46900	

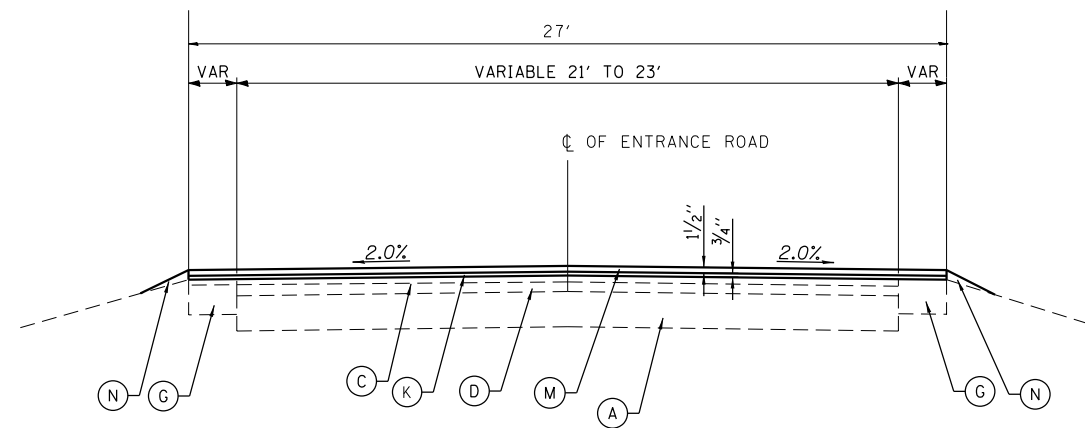
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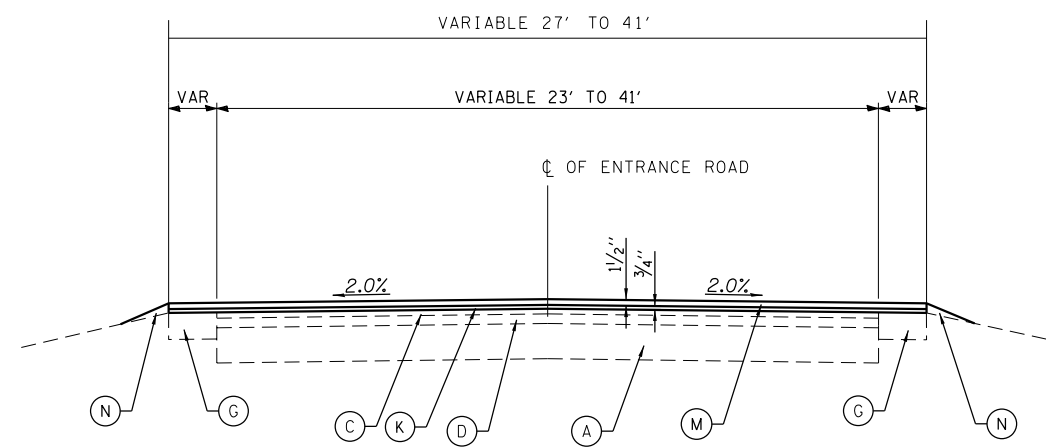
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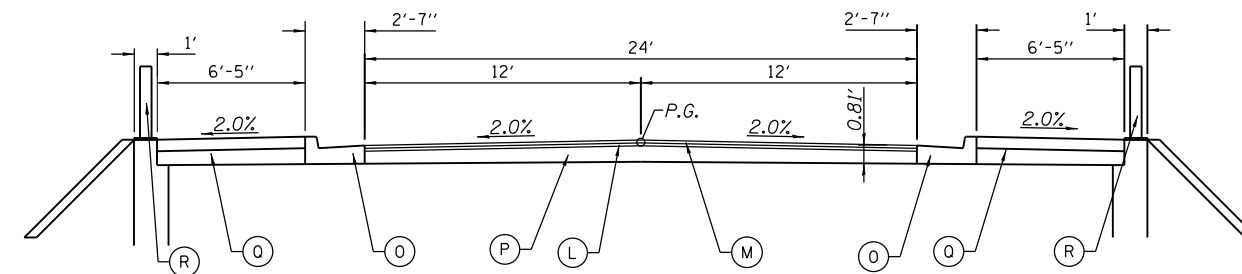
STA. 100+25.60 TO STA. 101+17.63



STA. 101+57.88 TO STA. 102+02.50



STA. 102+02.50 TO STA. 102+50.00



STA. 101+17.63 TO STA. 101+57.88

- (A) EXISTING AGGREGATE BASE COURSE, VARIABLE THICKNESS
- (B) EXISTING AGGREGATE SHOULDERS, VARIABLE THICKNESS
- (C) EXISTING BITUMINOUS CONCRETE SURFACE COURSE, 2"
- (D) EXISTING BITUMINOUS CONCRETE SURFACE COURSE, 3"
- (E) EXISTING COMB. CONC. CURB & GUTTER, TYPE M-6.12
- (F) EXISTING TURF
- (G) EXISTING BITUMINOUS CONCRETE BASE COURSE WIDENING 9"
- (H) EXISTING LEVELING BINDER, MIXTURE C, TYPE 2, 1"
- (I) EXISTING BITUMINOUS CONCRETE SURFACE COURSE, MIXTURE C, CLASS 1, TYPE 2, 1 1/2"
- (J) PROPOSED BITUMINOUS SURFACE REMOVAL-BUTT JOINT
- (K) PROPOSED LEVELING BINDER (MACHINE METHOD), N50, 3/4"
- (L) PROPOSED LEVELING BINDER (MACHINE METHOD), N50, 1/2"
- (M) PROPOSED HOT MIX ASPHALT SURFACE COURSE, MIX "C", N50, 1 1/2"
- (N) PROPOSED TOPSOIL FURNISHED & PLACED, VARIABLE DEPTH
- (O) PROPOSED COMB. CONC. CURB & GUTTER, TYPE B-6.24
- (P) PROPOSED AGGREGATE BASE COURSE, TYPE B, VARIABLE DEPTH, 8" MIN.
- (Q) PROPOSED PCC SIDEWALK 5"
- (R) PROPOSED WOOD POST AND RAIL FENCE

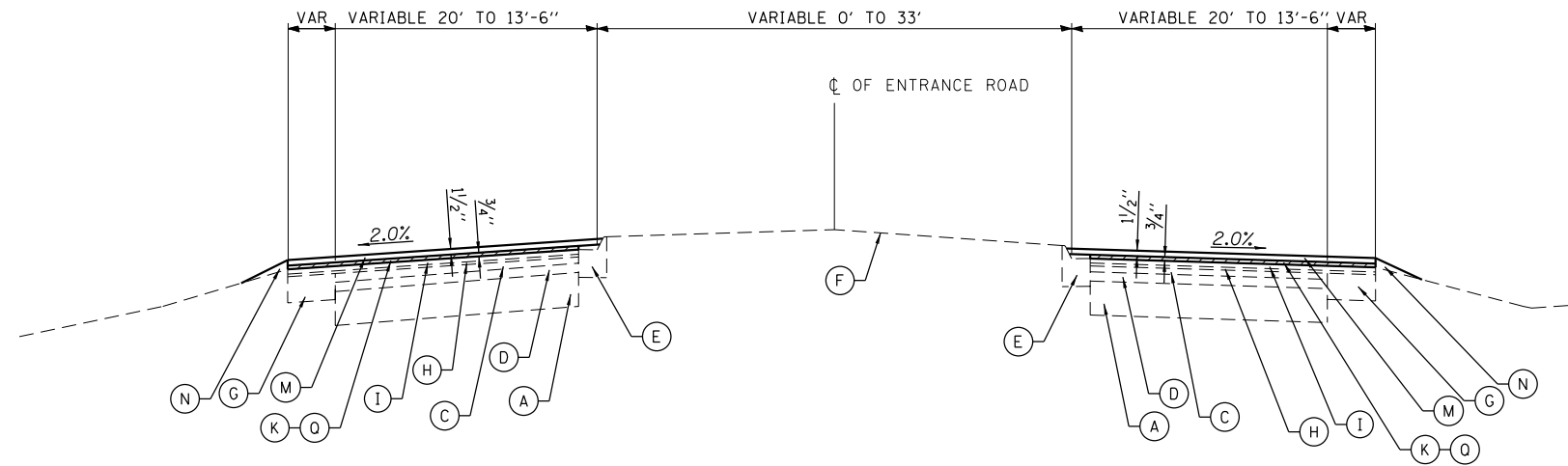
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Default	PLOT SCALE = 100.0000' / in.	DRAWN - S.D.K.	REVISED -
	PLOT DATE = 5/16/2017	CHECKED - R.H.D.	REVISED -
		DATE - 5/17/17	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

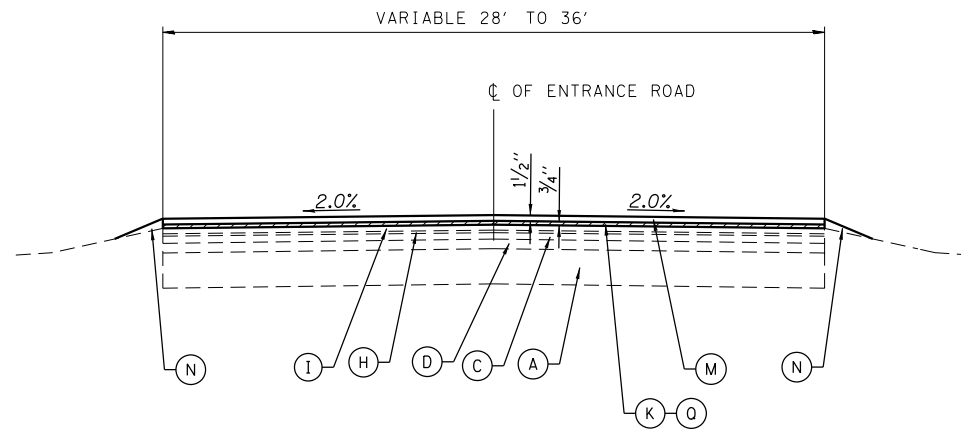
**TYPICAL SECTIONS
LINCOLN'S NEW SALEM STATE HISTORIC SITE**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PARK ROADS 2018-01	MENARD	31	6
			CONTRACT NO. 46900	
ILLINOIS FED. AID PROJECT				



STA. 102+50.00 TO STA. 103+58.00



STA. 103+58.00 TO STA. 104+09.00

- (A) EXISTING AGGREGATE BASE COURSE, VARIABLE THICKNESS
- (B) EXISTING AGGREGATE SHOULDERS, VARIABLE THICKNESS
- (C) EXISTING BITUMINOUS CONCRETE SURFACE COURSE, 2"
- (D) EXISTING BITUMINOUS CONCRETE SURFACE COURSE, 3"
- (E) EXISTING COMB. CONC. CURB & GUTTER, TYPE M-6.12
- (F) EXISTING TURF
- (G) EXISTING BITUMINOUS CONCRETE BASE COURSE WIDENING 9"
- (H) EXISTING LEVELING BINDER, MIXTURE C, TYPE 2, 1"
- (I) EXISTING BITUMINOUS CONCRETE SURFACE COURSE, MIXTURE C, CLASS 1, TYPE 2, 1 1/2"
- (J) PROPOSED BITUMINOUS SURFACE REMOVAL-BUTT JOINT
- (K) PROPOSED LEVELING BINDER (MACHINE METHOD), IL 9.5FG, N50, 3/4"
- (L) PROPOSED LEVELING BINDER (MACHINE METHOD), IL 9.5FG, N50, 1 1/2"
- (M) PROPOSED HOT MIX ASPHALT SURFACE COURSE, MIX "C", N50, 1 1/2"
- (N) PROPOSED TOPSOIL FURNISHED & PLACED, VARIABLE DEPTH
- (O) PROPOSED COMB. CONC. CURB & GUTTER, TYPE B-6.24
- (P) PROPOSED AGGREGATE BASE COURSE, TYPE B, VARIABLE DEPTH, 8" MIN.
- (Q) PROPOSED HOT MIX ASPHALT SURFACE REMOVAL. 3/4"

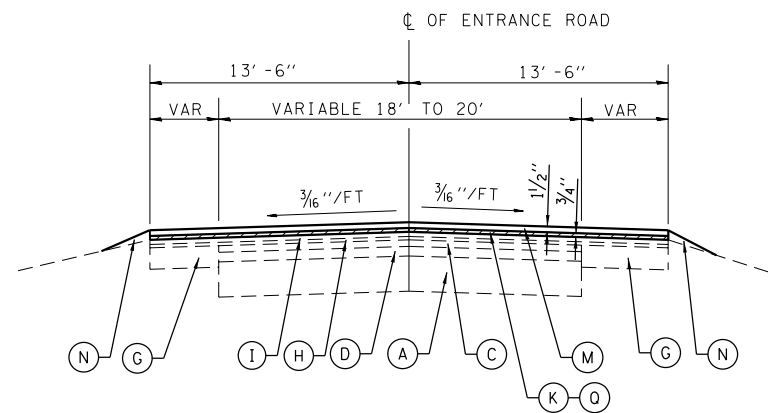
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		DRAWN - S.D.K.	REVISED -
		CHECKED - R.H.D.	REVISED -
		DATE - 5/17/17	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS	
LINCOLN'S NEW SALEM STATE HISTORIC SITE	
SCALE:	SHEET 2 OF 3 SHEETS STA. TO STA.

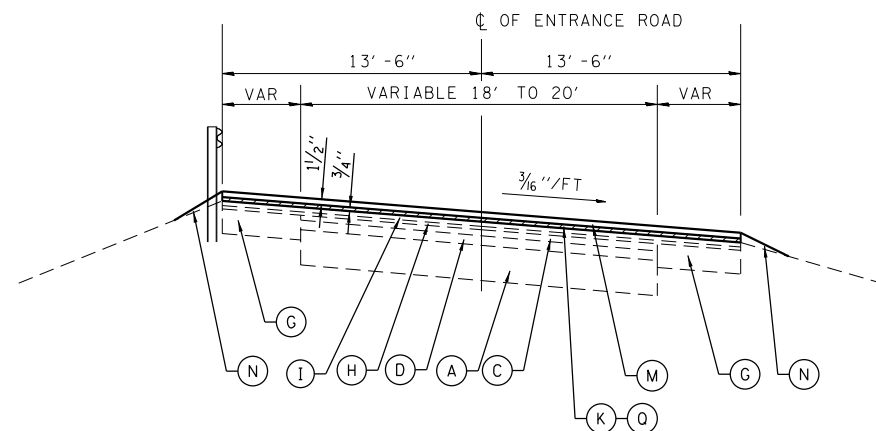
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PARK ROADS 2018-01	MENARD	31	7
			CONTRACT NO. 46900	
ILLINOIS FED. AID PROJECT				

JOB NO. 250-141-1 VASCONCELLES ENGINEERING CORP. DESIGN FIRM REGISTRATION NUMBER 184-002107



STA. 104+09.00 TO STA. 104+27.06
 STA. 106+80.31 TO STA. 107+53.99 (NOTE 1)
 STA. 110+95.70 TO STA. 111+00.36
 STA. 114+78.15 TO STA. 114+94.72

NOTE 1: SURFACE WIDTH SHALL BE 22' FROM
 STA. 110+00 TO STA. 113+00



STA. 104+27.06 TO STA. 105+47.06 (SE TRANSITION)
 STA. 105+47.06 TO STA. 105+59.50 (FULL SE = +0.04 FT./FT.)
 STA. 105+59.50 TO STA. 106+80.31 (SE TRANSITION)

 STA. 107+53.99 TO STA. 108+73.99 (SE TRANSITION)
 STA. 108+73.99 TO STA. 109+75.70 (FULL SE = +0.04 FT./FT.) (NOTE 1)
 STA. 109+75.70 TO STA. 110+95.70 (SE TRANSITION)

 STA. 111+00.36 TO STA. 112+20.36 (SE TRANSITION)
 STA. 112+20.36 TO STA. 113+58.15 (FULL SE = +0.04 FT./FT.)
 STA. 113+58.15 TO STA. 114+78.15 (SE TRANSITION)

 STA. 114+94.72 TO STA. 116+14.72 (SE TRANSITION)
 STA. 116+14.72 TO STA. 116+70.62 (FULL SE = +0.04 FT./FT.)
 STA. 116+70.62 TO STA. 117+87.36 (SE TRANSITION)

- (A) EXISTING AGGREGATE BASE COURSE, VARIABLE THICKNESS
- (B) EXISTING AGGREGATE SHOULDERS, VARIABLE THICKNESS
- (C) EXISTING BITUMINOUS CONCRETE SURFACE COURSE, 2"
- (D) EXISTING BITUMINOUS CONCRETE SURFACE COURSE, 3"
- (E) EXISTING COMB. CONC. CURB & GUTTER, TYPE M-6.12
- (F) EXISTING TURF
- (G) EXISTING BITUMINOUS CONCRETE BASE COURSE WIDENING 9"
- (H) EXISTING LEVELING BINDER, MIXTURE C, TYPE 2, 1"
- (I) EXISTING BITUMINOUS CONCRETE SURFACE COURSE, MIXTURE C, CLASS 1, TYPE 2, 1 1/2"
- (J) PROPOSED BITUMINOUS SURFACE REMOVAL-BUTT JOINT
- (K) PROPOSED LEVELING BINDER (MACHINE METHOD), IL 9.5FG, N50, 3/4"
- (L) PROPOSED LEVELING BINDER (MACHINE METHOD), IL 9.5FG, N50, 1 1/2"
- (M) PROPOSED HOT MIX ASPHALT SURFACE COURSE, MIX "C", N50, 1 1/2"
- (N) PROPOSED TOPSOIL FURNISHED & PLACED, VARIABLE DEPTH
- (O) PROPOSED COMB. CONC. CURB & GUTTER, TYPE B-6.24
- (P) PROPOSED AGGREGATE BASE COURSE, TYPE B, VARIABLE DEPTH, 8" MIN
- (Q) PROPOSED HOT MIX ASPHALT SURFACE REMOVAL, 3/4"

FILE NAME = D646900-sh1006-008-typicals.dgn	USER NAME = stevek	DESIGNED - R.H.D.	REVISED -
		DRAWN - S.D.K.	REVISED -
		CHECKED - R.H.D.	REVISED -
		DATE - 5/17/17	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS	
LINCOLN'S NEW SALEM STATE HISTORIC SITE	
SCALE:	SHEET 3 OF 3 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PARK ROADS 2018-01	MENARD	31	8
			CONTRACT NO. 46900	
ILLINOIS FED. AID PROJECT				

TOWNSHIP 770

TR 780

TOWNSHIP 550

DAY USE AREA

CAMP AREA

CONTROL POINT NO. 5
MAG NAIL
N = 1,205,966.412
E = 2,386,160.48
ELEV = 601.91

PARK ENTRANCE ROAD

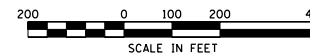
CONTROL POINT NO. 2
MAG NAIL
N = 1,205,394.95
E = 2,387,436.55
ELEV = 511.26

LINCOLN'S NEW SALEM STATE PARK

CONTROL POINT NO. 100
STA. 103+27.01
N = 1,205,367.24
E = 2,387,454.40
ELEV = 510.61

IL ROUTE 97

CONTROL POINT NO. 1
MAG NAIL
N = 1,205,288.20
E = 2,387,784.48
ELEV = 505.33



FILE NAME =
D646900-sh1009-olgn1ieben.dgn
Default

USER NAME = stevek
PLOT SCALE = 400.000' / in.
PLOT DATE = 5/16/2017

DESIGNED - R.H.D.
DRAWN - S.D.K.
CHECKED - R.H.D.
DATE - 5/17/17

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALIGNMENT, TIES & BENCHMARK SHEET
LINCOLN'S NEW SALEM STATE HISTORIC SITE

SCALE: 1"=200' SHEET 1 OF 4 SHEETS STA. TO STA.

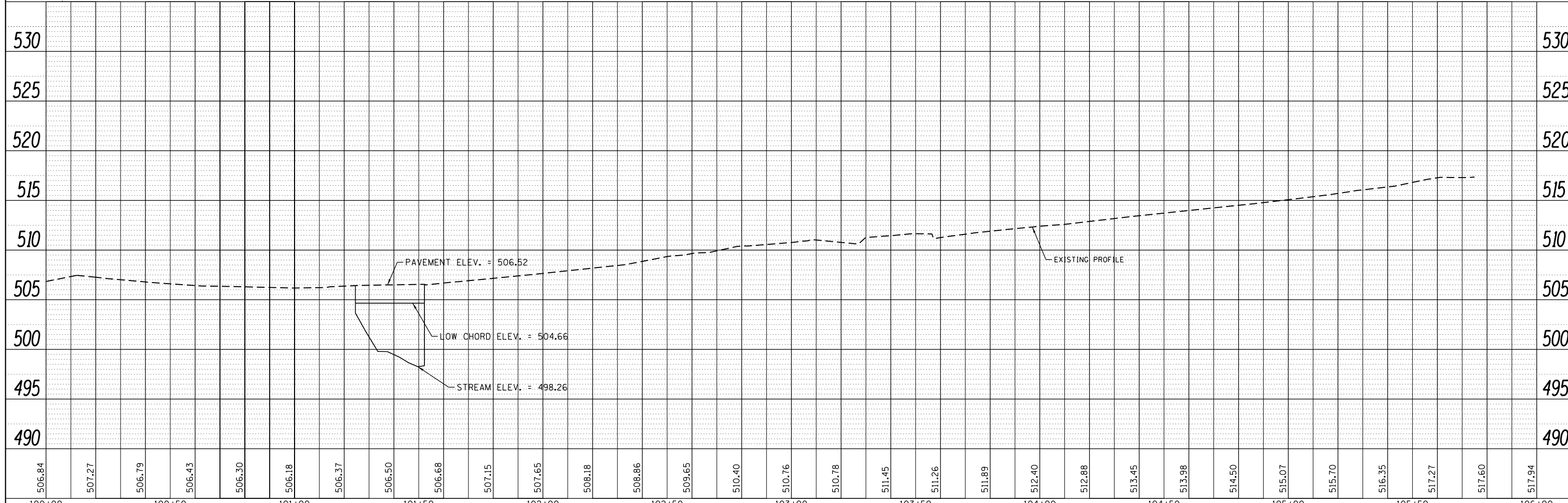
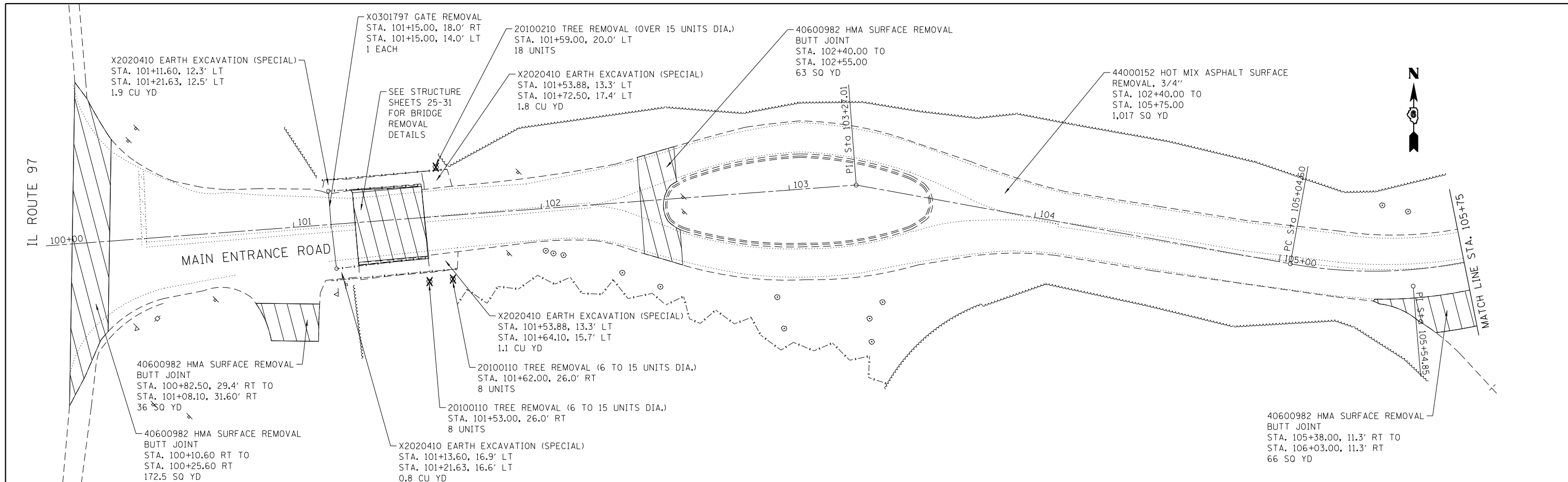
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PARK ROADS 2018-01	MENARD	31	9
CONTRACT NO. 46900				

ILLINOIS FED. AID PROJECT

JOB NO. 250-141-1 VASCONCELLES ENGINEERING CORP. DESIGN FIRM REGISTRATION NUMBER 184-002107

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	ALIGNED		
	CHECKED		
	FILE NAME		
	NO.		

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

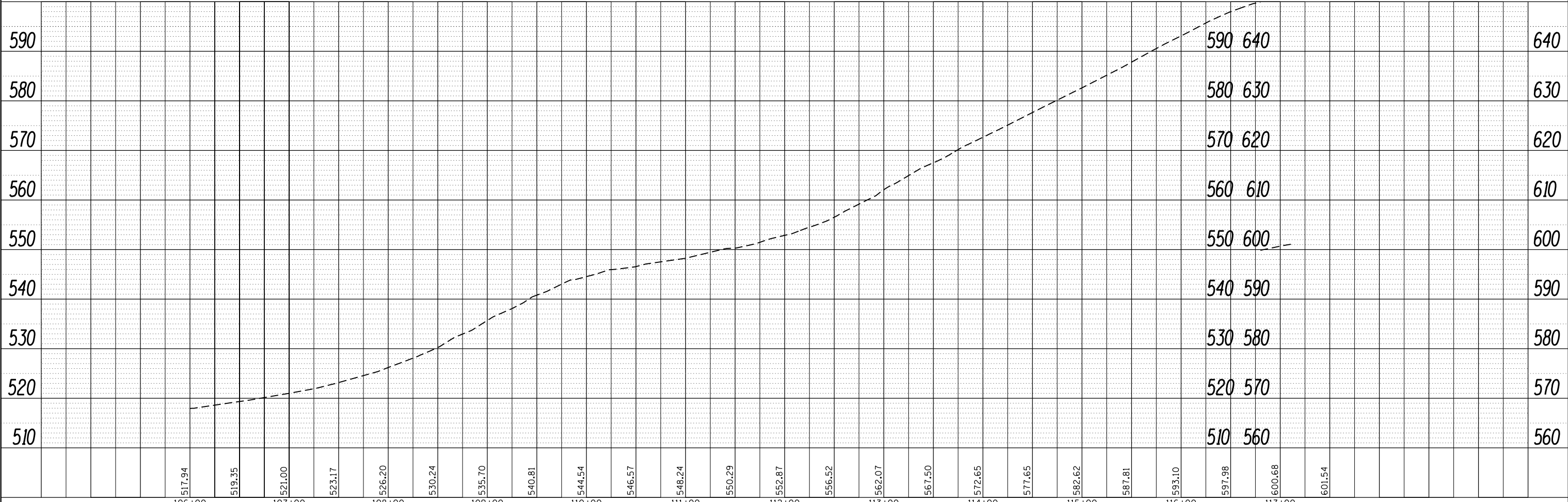
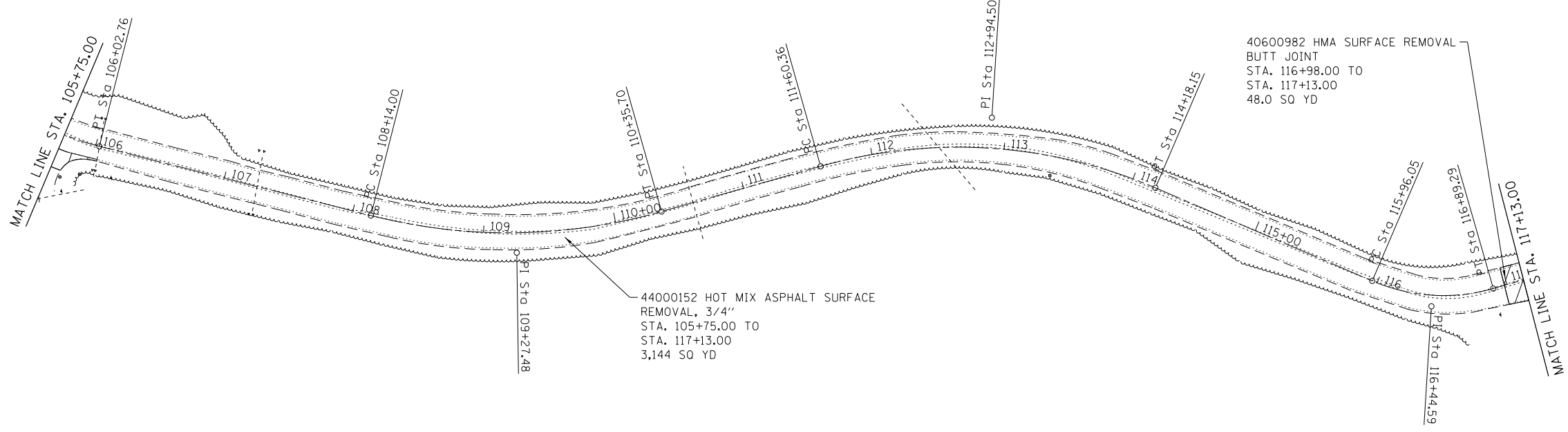


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Default	PLOT SCALE = 40.0000' / in.	CHECKED - R.H.D.	REVISED -			PARK ROADS 2018-01	MENARD	31	10	
	PLOT DATE = 5/16/2017	DATE - 5/17/17	REVISED -			CONTRACT NO. 46900				
						ILLINOIS FED. AID PROJECT				

JOB NO. 250-141-1 VASCONCELLES ENGINEERING CORP. DESIGN FIRM REGISTRATION NUMBER 184-002107

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	ALIGNED		
	CHECKED		
	FILE NAME		
	NO.		

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



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Default	PLOT SCALE = 100.0000' / in.	CHECKED - R.H.D.	REVISED -				PARK ROADS 2018-01	MENARD	31	11	
	PLOT DATE = 5/16/2017	DATE - 5/17/17	REVISED -			SCALE: 1"=50'		SHEET 2 OF 4 SHEETS		CONTRACT NO. 46900	
						STA. TO STA.		ILLINOIS FED. AID PROJECT			

JOB NO. 250-141-1 VASCONCELLES ENGINEERING CORP. DESIGN FIRM REGISTRATION NUMBER 184-002107

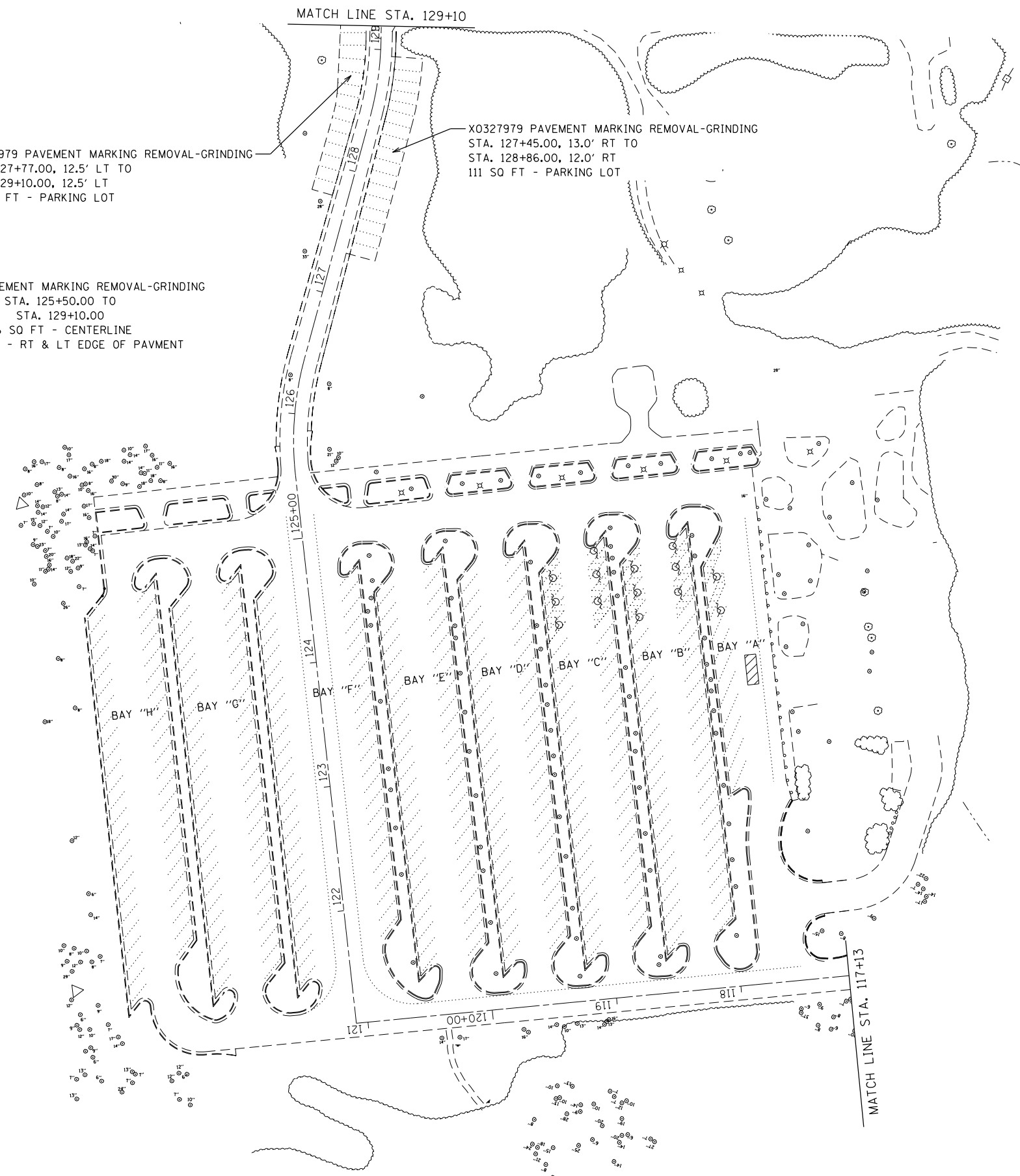


X0327979 PAVEMENT MARKING REMOVAL-GRINDING
 STA. 127+77.00, 12.5' LT TO
 STA. 129+10.00, 12.5' LT
 86 SQ FT - PARKING LOT

X0327979 PAVEMENT MARKING REMOVAL-GRINDING
 STA. 127+45.00, 13.0' RT TO
 STA. 128+86.00, 12.0' RT
 111 SQ FT - PARKING LOT

X0327979 PAVEMENT MARKING REMOVAL-GRINDING
 STA. 125+50.00 TO
 STA. 129+10.00
 36 SQ FT - CENTERLINE
 240 SQ FT - RT & LT EDGE OF PAVMENT

X0327979 PAVEMENT MARKING REMOVAL-GRINDING
 PARKING LOT
 BAY "A" - 173 SQ FT
 BAY "B" - 368
 BAY "C" - 368
 BAY "D" - 384
 BAY "E" - 384
 BAY "F" - 411
 BAY "G" - 384
 BAY "H" - 384



FILE NAME = D646900-sh1012-plan existing.dgn	USER NAME = stevek	DESIGNED - R.H.D.	REVISED - S.D.K. 7/21/17
Default	PLOT SCALE = 100.0000' / in.	DRAWN - S.D.K.	REVISED -
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		DATE - 5/17/17	REVISED -

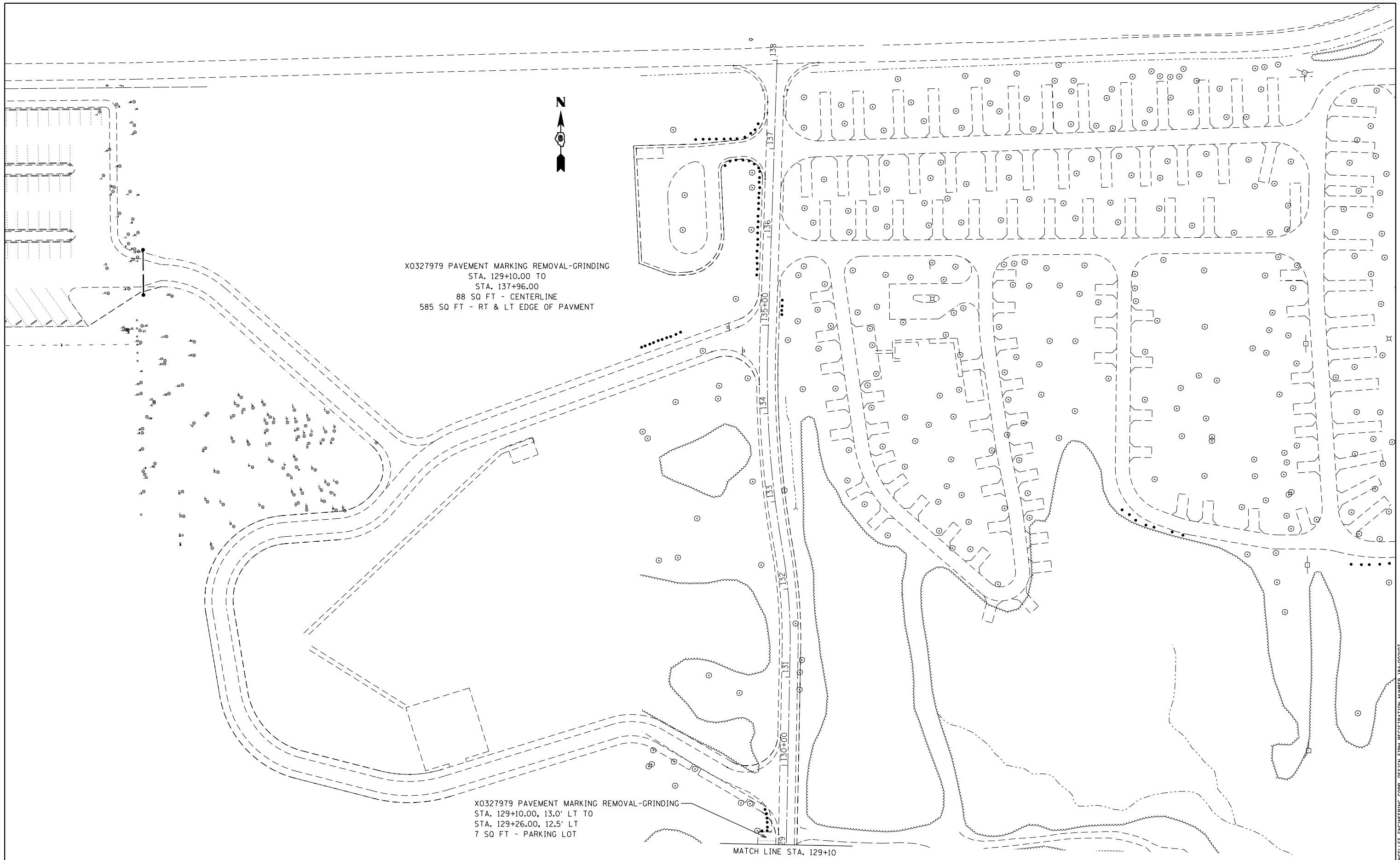
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**VISITOR CENTER PARKING LOT EXISTING LAYOUT - REMOVAL
 LINCOLN'S NEW SALEM STATE HISTORIC SITE**

SCALE: 1"=50' SHEET 3 OF 4 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PARK ROADS 2018-01	MENARD	31	12
			CONTRACT NO. 46900	
ILLINOIS FED. AID PROJECT				

JOB NO. 250-141-1 VASCONCELLES ENGINEERING CORP. DESIGN FIRM REGISTRATION NUMBER 184-002107



X0327979 PAVEMENT MARKING REMOVAL-GRINDING
 STA. 129+10.00 TO
 STA. 137+96.00
 88 SQ FT - CENTERLINE
 585 SQ FT - RT & LT EDGE OF PAVMENT

X0327979 PAVEMENT MARKING REMOVAL-GRINDING
 STA. 129+10.00, 13.0' LT TO
 STA. 129+26.00, 12.5' LT
 7 SQ FT - PARKING LOT

MATCH LINE STA. 129+10

FILE NAME =
 D646900-sh1013-plan existing.dgn
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USER NAME = stevek
 PLOT SCALE = 100.0000' / in.
 PLOT DATE = 7/21/2017

DESIGNED - R.H.D.
 DRAWN - S.D.K.
 CHECKED - R.H.D.
 DATE - 5/17/17

REVISED - S.D.K. 7/21/17
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

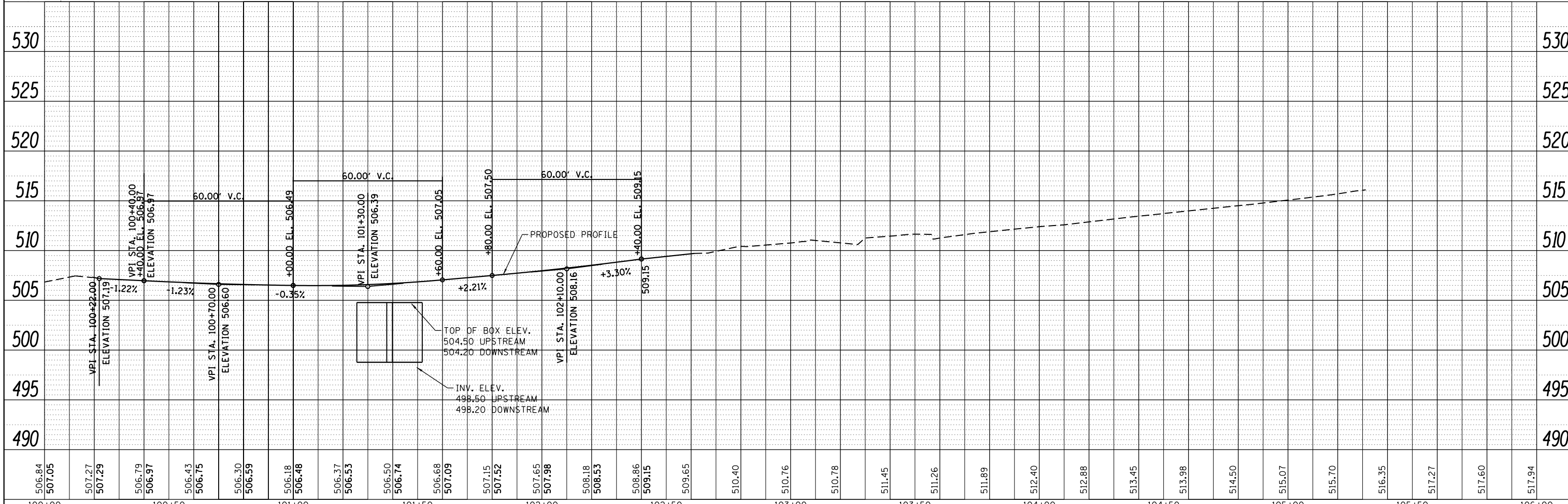
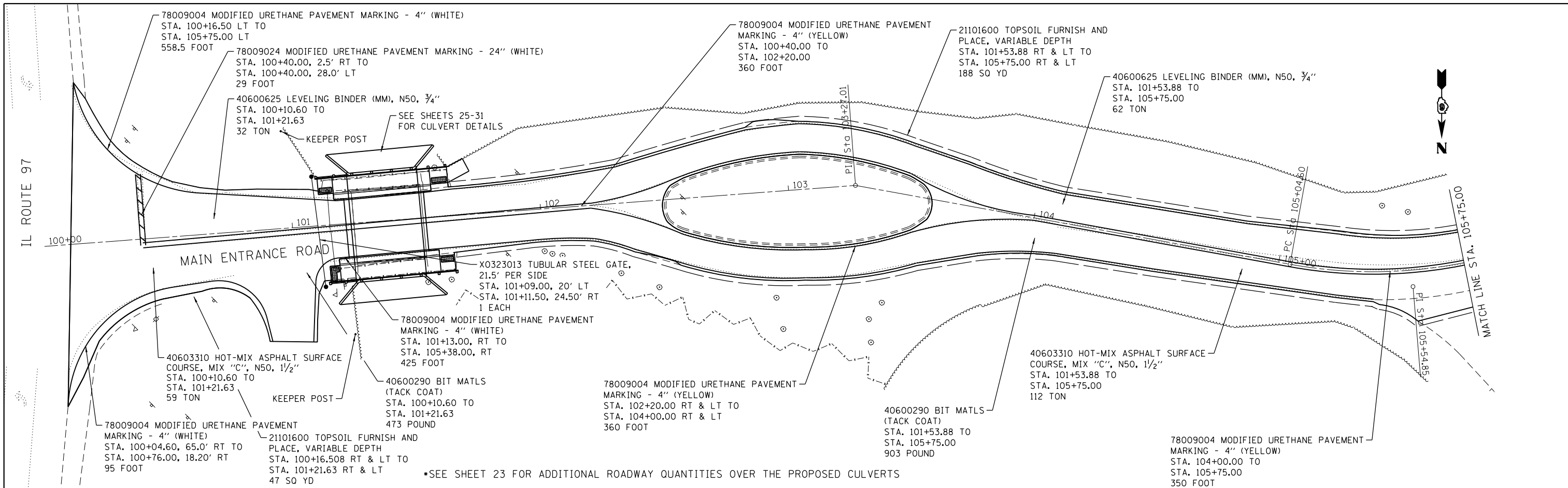
**VISITOR CENTER PARKING LOT EXISTING LAYOUT - REMOVAL
 LINCOLN'S NEW SALEM STATE HISTORIC SITE**
 SCALE: 1"=50' SHEET 4 OF 4 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PARK ROADS 2018-01	MENARD	31	13
			CONTRACT NO. 46900	
ILLINOIS FED. AID PROJECT				

JOB NO. 250-141-1 VASCONCELLES ENGINEERING CORP. DESIGN FIRM REGISTRATION NUMBER 184-002107

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

PROFILE	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
NO.	GRADES CHECKED	
	STRUCTURE	
	NOTATIONS	

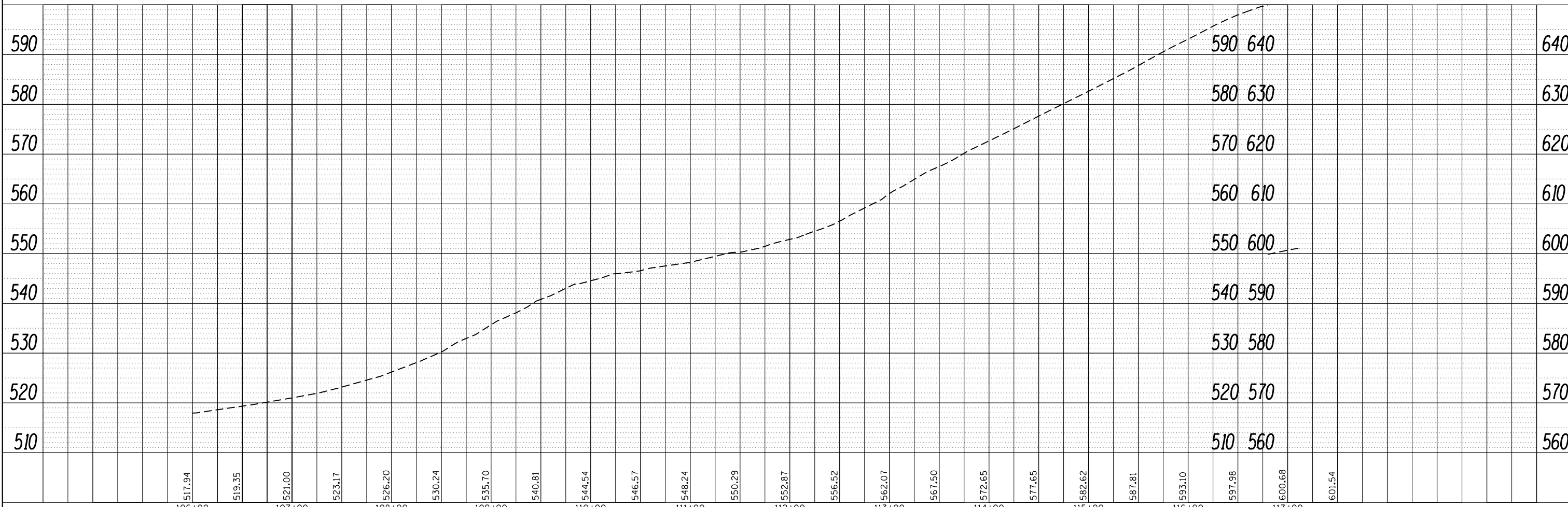
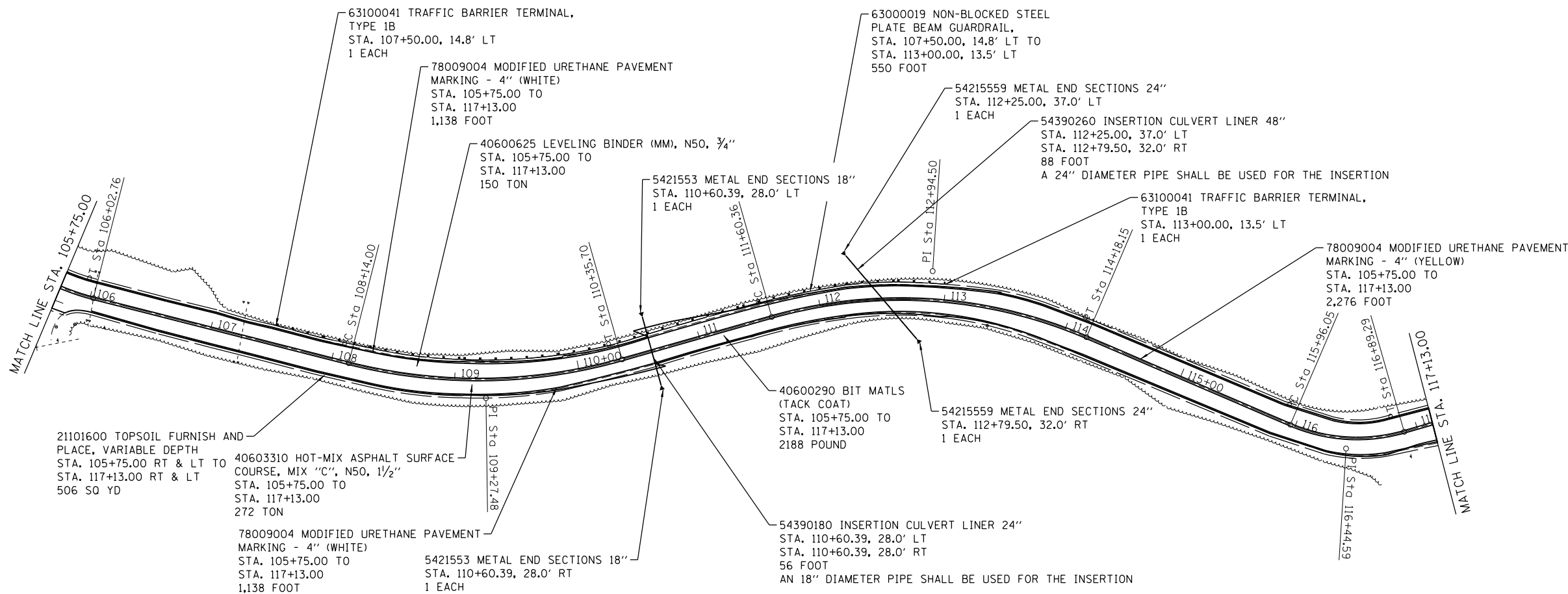


FILE NAME = D646900-sh014-planprofile proposed.dgn	USER NAME = stevek	DESIGNED - R.H.D.	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAIN ENTRANCE ROAD PROPOSED PLAN/PROFILE LINCOLN'S NEW SALEM STATE HISTORIC SITE	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default	PLOT SCALE = 40.0000' / in.	CHECKED - R.H.D.	REVISED -			PARK ROADS 2018-01	MENARD	31	14	
	PLOT DATE = 5/16/2017	DATE - 5/17/17	REVISED -			CONTRACT NO. 46900				
						SCALE: 1"=20'	SHEET 1 OF 4 SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT	

JOB NO. 250-141-1 VASCONCELLES ENGINEERING CORP. DESIGN FIRM REGISTRATION NUMBER 184-002107

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

PROFILE	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
NO.	GRADES CHECKED	
	STRUCTURE	
	NOTATIS CHFD	



FILE NAME = D646900-sh015-planprofile proposed.dgn	USER NAME = stevek	DESIGNED - R.H.D.	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAIN ENTRANCE ROAD PROPOSED PLAN/PROFILE LINCOLN'S NEW SALEM STATE HISTORIC SITE				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default	PLOT SCALE = 100.0000' / in.	DRAWN - S.D.K.	REVISED -		SCALE: 1"=50'	SHEET 2 OF 4 SHEETS	STA.	TO STA.	PARK ROADS 2018-01	MENARD	31	15	
	PLOT DATE = 7/21/2017	CHECKED - R.H.D.	REVISED -						CONTRACT NO. 46900				
		DATE - 5/17/17	REVISED -						ILLINOIS FED. AID PROJECT				



78001110 PAINT PAVEMENT MARKING-4"
 STA. 125+50.00 RT & LT TO
 STA. 129+10.00 RT & LT
 90 FOOT (C SKIP DASH - YELLOW)

78001110 PAINT PAVEMENT MARKING-4"
 STA. 125+50.00 RT & LT TO
 STA. 129+10.00 RT & LT
 720 FOOT (RT & LT EDGE - WHITE)

45100200 CRACK FILLING
 STA. 125+50.00 TO
 STA. 129+10.00
 430 POUND

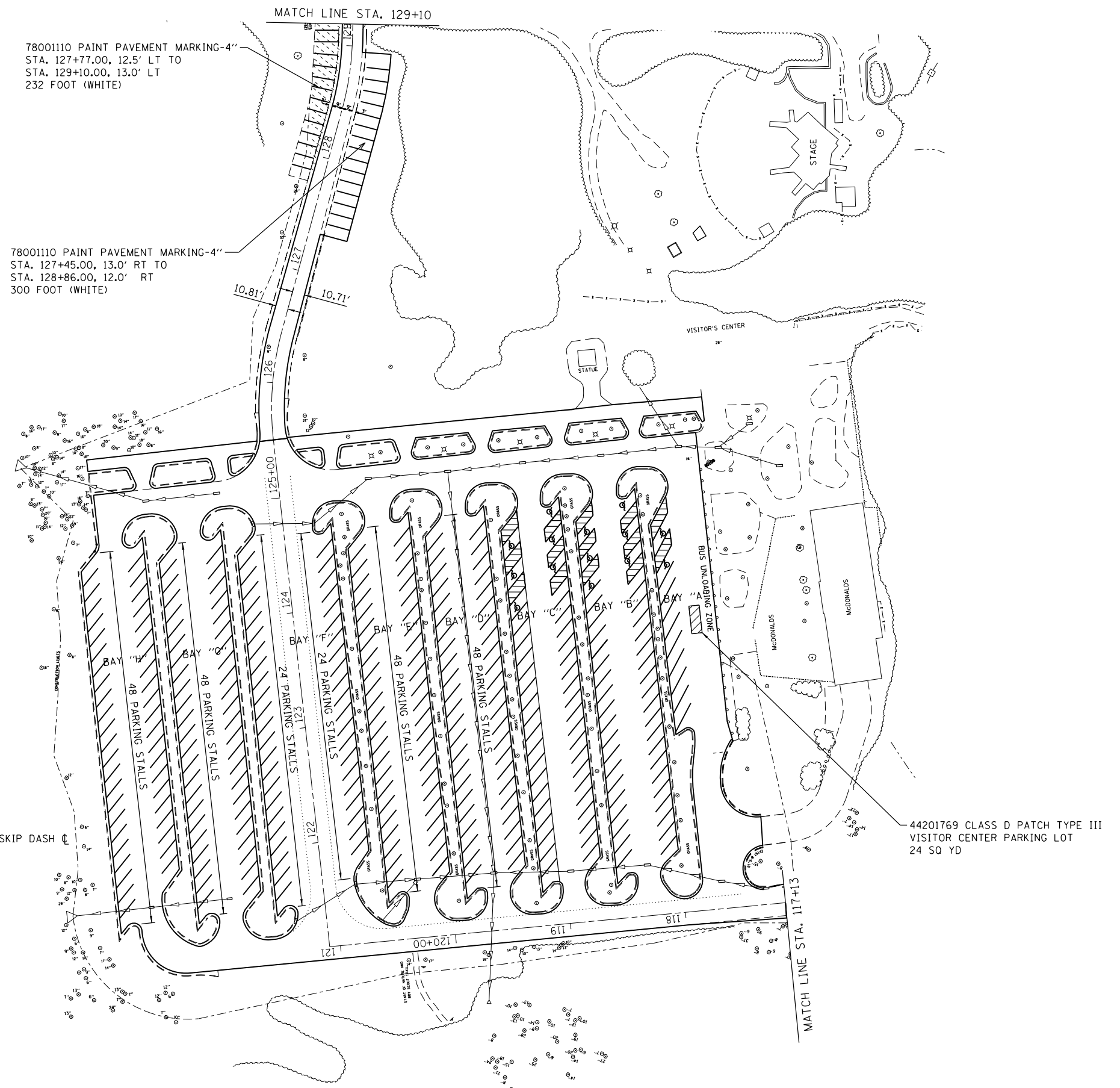
X0327308 PARKING LOT SEAL COAT
 STA. 125+50.00 TO
 STA. 129+10.00
 432 GALLONS

45100200 CRACK FILLING
 VISITOR CENTER PARKING LOT
 10,000 POUND

X0327308 PARKING LOT SEAL COAT
 VISITOR CENTER PARKING LOT
 5,768 GALLONS

78001110 PAINT PAVEMENT MARKING-4"
 PARKING LOT (WHITE)
 BAY "A" = 518 FOOT
 BAY "B" = 1104
 BAY "C" = 1104
 BAY "D" = 1152
 BAY "E" = 1152
 BAY "F" = 1186 - THIS INCLUDES THE SKIP DASH
 BAY "G" = 1152
 BAY "H" = 1056

78001100 PAINT PAVEMENT MARKING-4"
 PARKING LOT (WHITE)
 BAY "A" = 6.2 SQUARE FOOT
 BAY "B" = 18.6
 BAY "C" = 18.6



44201769 CLASS D PATCH TYPE III
 VISITOR CENTER PARKING LOT
 24 SQ YD

FILE NAME =
 D646900-sh1016-plen proposed.dgn
 Default

USER NAME = stevek
 PLOT SCALE = 100.0000' / in.
 PLOT DATE = 5/16/2017

DESIGNED - R.H.D.
 DRAWN - S.D.K.
 CHECKED - R.H.D.
 DATE - 5/17/17

REVISED -
 REVISED -
 REVISED -
 REVISED -

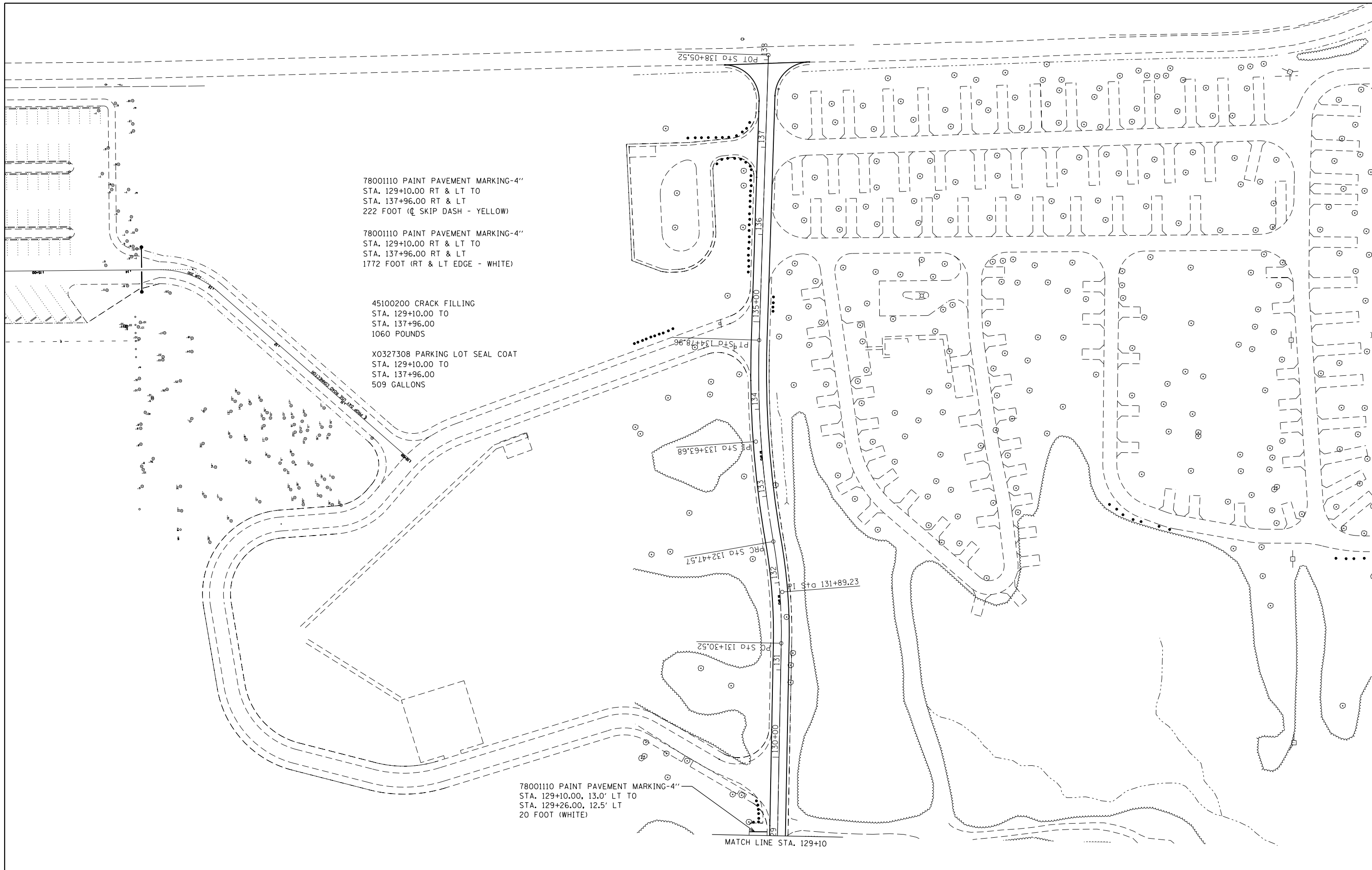
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

VISITOR CENTER PARKING LOT PROPOSED LAYOUT
 LINCOLN'S NEW SALEM STATE HISTORIC SITE

SCALE: 1"=50' SHEET 3 OF 4 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PARK ROADS 2018-01	MENARD	31	16
			CONTRACT NO. 46900	
ILLINOIS FED. AID PROJECT				

JOB NO. 250-141-1 VASCONCELLES ENGINEERING CORP. DESIGN FIRM REGISTRATION NUMBER 184-002107



78001110 PAINT PAVEMENT MARKING-4"
 STA. 129+10.00 RT & LT TO
 STA. 137+96.00 RT & LT
 222 FOOT (CL SKIP DASH - YELLOW)

78001110 PAINT PAVEMENT MARKING-4"
 STA. 129+10.00 RT & LT TO
 STA. 137+96.00 RT & LT
 1772 FOOT (RT & LT EDGE - WHITE)

45100200 CRACK FILLING
 STA. 129+10.00 TO
 STA. 137+96.00
 1060 POUNDS

X0327308 PARKING LOT SEAL COAT
 STA. 129+10.00 TO
 STA. 137+96.00
 509 GALLONS

78001110 PAINT PAVEMENT MARKING-4"
 STA. 129+10.00, 13.0' LT TO
 STA. 129+26.00, 12.5' LT
 20 FOOT (WHITE)

MATCH LINE STA. 129+10

FILE NAME = D646900-sh1017-pln proposed.dgn	USER NAME = stevek	DESIGNED - R.H.D.	REVISED -
Default		DRAWN - S.D.K.	REVISED -
	PLOT SCALE = 100.0000' / in.	CHECKED - R.H.D.	REVISED -
	PLOT DATE = 5/16/2017	DATE - 5/17/17	REVISED -

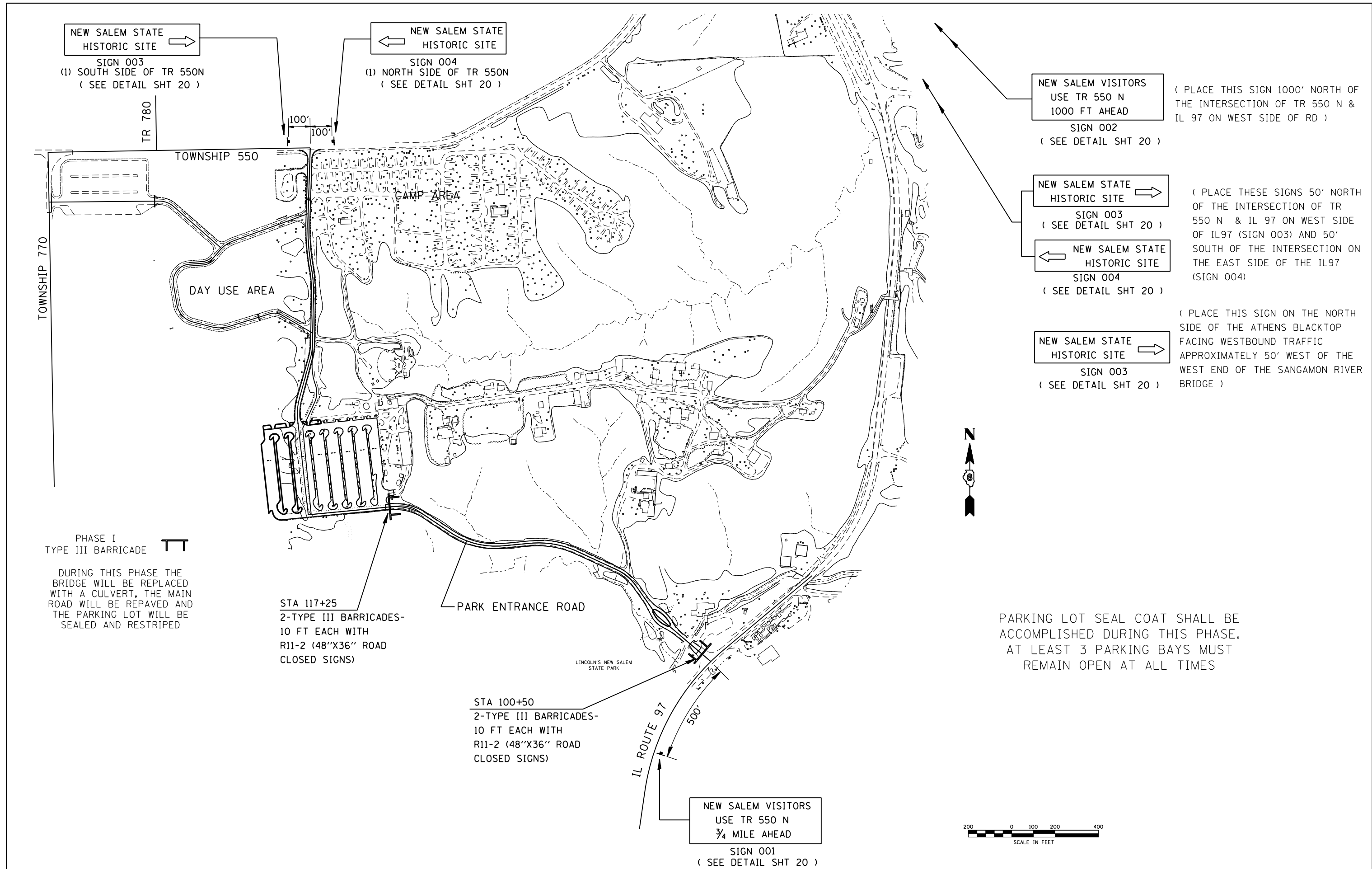
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**VISITOR CENTER PARKING LOT PROPOSED LAYOUT
 LINCOLN'S NEW SALEM STATE HISTORIC SITE**

SCALE: 1"=50' SHEET 4 OF 4 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PARK ROADS 2018-01	MENARD	31	17
			CONTRACT NO. 46900	
ILLINOIS FED. AID PROJECT				

JOB NO. 250-141-1 VASCONCELLES ENGINEERING CORP. DESIGN FIRM REGISTRATION NUMBER 184-002107



NEW SALEM STATE HISTORIC SITE →
SIGN 003
(1) SOUTH SIDE OF TR 550N
(SEE DETAIL SHT 20)

← NEW SALEM STATE HISTORIC SITE
SIGN 004
(1) NORTH SIDE OF TR 550N
(SEE DETAIL SHT 20)

NEW SALEM VISITORS
USE TR 550 N
1000 FT AHEAD
SIGN 002
(SEE DETAIL SHT 20)

(PLACE THIS SIGN 1000' NORTH OF THE INTERSECTION OF TR 550 N & IL 97 ON WEST SIDE OF RD)

NEW SALEM STATE HISTORIC SITE →
SIGN 003
(SEE DETAIL SHT 20)


(PLACE THESE SIGNS 50' NORTH OF THE INTERSECTION OF TR 550 N & IL 97 ON WEST SIDE OF IL97 (SIGN 003) AND 50' SOUTH OF THE INTERSECTION ON THE EAST SIDE OF THE IL97 (SIGN 004)

← NEW SALEM STATE HISTORIC SITE
SIGN 004
(SEE DETAIL SHT 20)

(PLACE THIS SIGN ON THE NORTH SIDE OF THE ATHENS BLACKTOP FACING WESTBOUND TRAFFIC APPROXIMATELY 50' WEST OF THE WEST END OF THE SANGAMON RIVER BRIDGE)

NEW SALEM STATE HISTORIC SITE →
SIGN 003
(SEE DETAIL SHT 20)

(PLACE THIS SIGN ON THE NORTH SIDE OF THE ATHENS BLACKTOP FACING WESTBOUND TRAFFIC APPROXIMATELY 50' WEST OF THE WEST END OF THE SANGAMON RIVER BRIDGE)

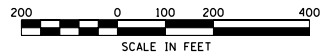
PHASE I
TYPE III BARRICADE 

DURING THIS PHASE THE BRIDGE WILL BE REPLACED WITH A CULVERT, THE MAIN ROAD WILL BE REPAVED AND THE PARKING LOT WILL BE SEALED AND RESTRIPE

STA 117+25
2-TYPE III BARRICADES-
10 FT EACH WITH
R11-2 (48"X36" ROAD
CLOSED SIGNS)

STA 100+50
2-TYPE III BARRICADES-
10 FT EACH WITH
R11-2 (48"X36" ROAD
CLOSED SIGNS)

NEW SALEM VISITORS
USE TR 550 N
¾ MILE AHEAD
SIGN 001
(SEE DETAIL SHT 20)



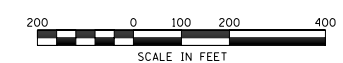
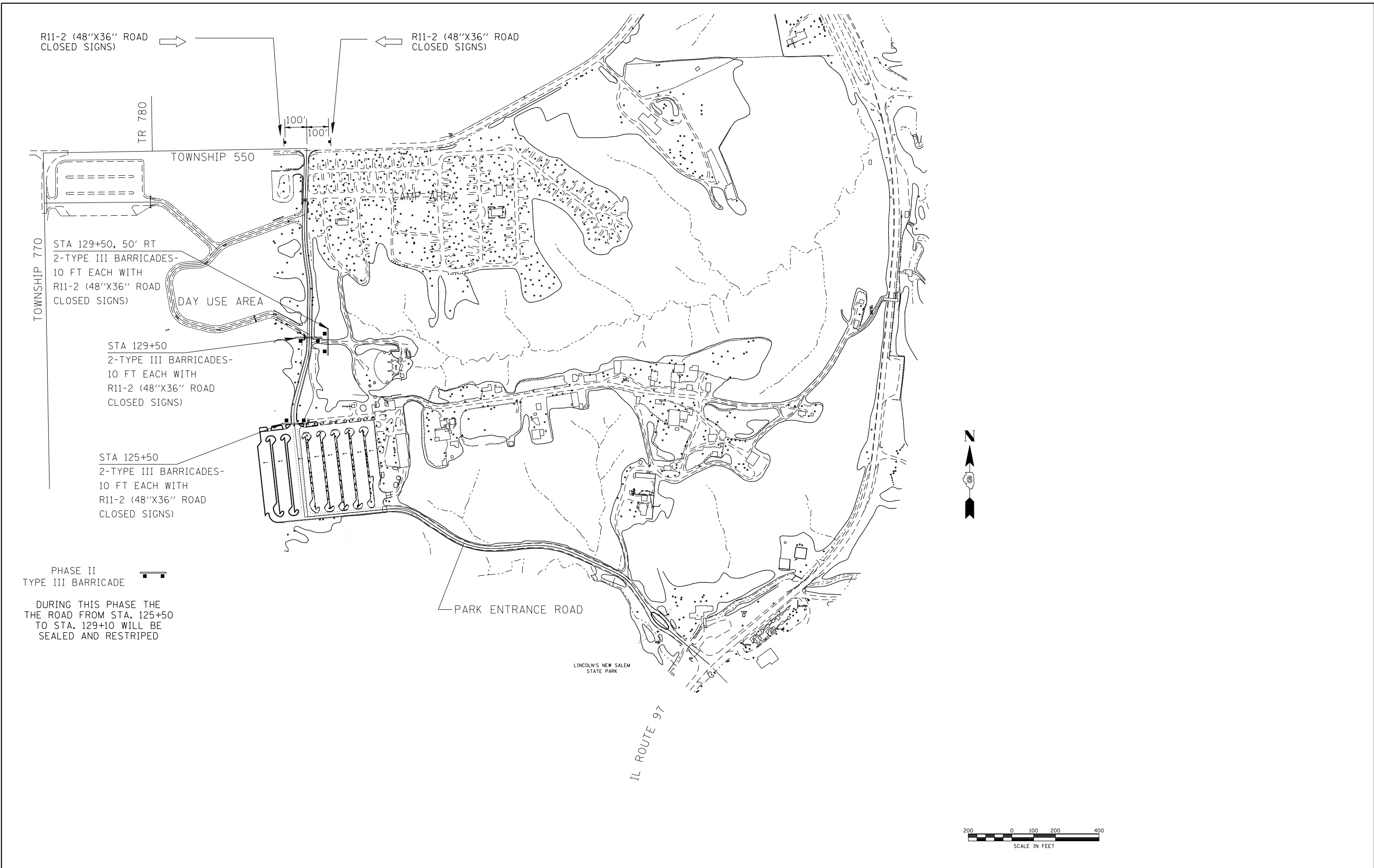
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		CHECKED - R.H.D.	REVISED -
		DATE - 5/17/17	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ROAD CLOSURE PLAN - PHASE I	
LINCOLN'S NEW SALEM STATE HISTORIC SITE	
SCALE: 1"=200'	SHEET 1 OF 4 SHEETS
STA. TO STA.	

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PARK ROADS 2018-01	MENARD	31	18
			CONTRACT NO. 46900	
ILLINOIS FED. AID PROJECT				

JOB NO. 250-141-1 VASCONCELLES ENGINEERING CORP. DESIGN FIRM REGISTRATION NUMBER 184-002107



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		DATE - 5/17/17	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ROAD CLOSURE PLAN - PHASE II	
LINCOLN'S NEW SALEM STATE HISTORIC SITE	
SCALE: 1"=200'	SHEET 2 OF 4 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PARK ROADS 2018-01	MENARD	31	19
			CONTRACT NO. 46900	
ILLINOIS FED. AID PROJECT				

JOB NO. 250-141-1 VASCONCELLES ENGINEERING CORP. DESIGN FIRM REGISTRATION NUMBER 184-002107

R11-2 (48"X36" ROAD CLOSED SIGNS) →

← R11-2 (48"X36" ROAD CLOSED SIGNS)

TR 780

TOWNSHIP 550

TOWNSHIP 770

STA 134+90, 50' LT
2-TYPE III BARRICADES-
10 FT EACH WITH
R11-2 (48"X36" ROAD
CLOSED SIGNS)

DAY USE AREA


STA 129+50
2-TYPE III BARRICADES-
10 FT EACH WITH
R11-2 (48"X36" ROAD
CLOSED SIGNS)

CAMP AREA

STA 137+95
2-TYPE III BARRICADES-
10 FT EACH WITH
R11-2 (48"X36" ROAD
CLOSED SIGNS)

STA 137+00, 50' RT
2-TYPE III BARRICADES-
10 FT EACH WITH
R11-2 (48"X36" ROAD
CLOSED SIGNS)

STA 135+85, 50' RT
2-TYPE III BARRICADES-
10 FT EACH WITH
R11-2 (48"X36" ROAD
CLOSED SIGNS)

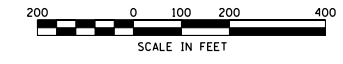
PHASE III
TYPE III BARRICADE 

DURING THIS PHASE THE
THE ROAD FROM STA. 129+10
TO STA. 137+96 WILL BE
SEALED AND RESTRIPE

PARK ENTRANCE ROAD

LINCOLN'S NEW SALEM
STATE PARK

IL ROUTE 97



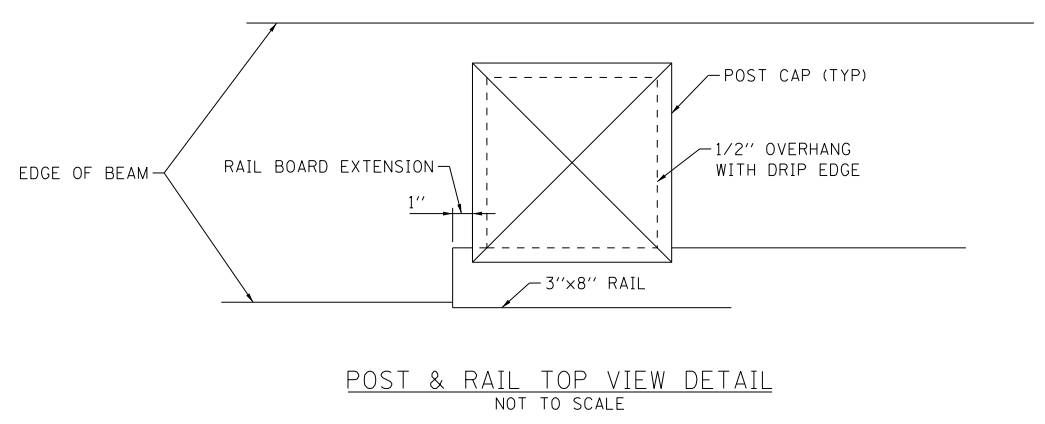
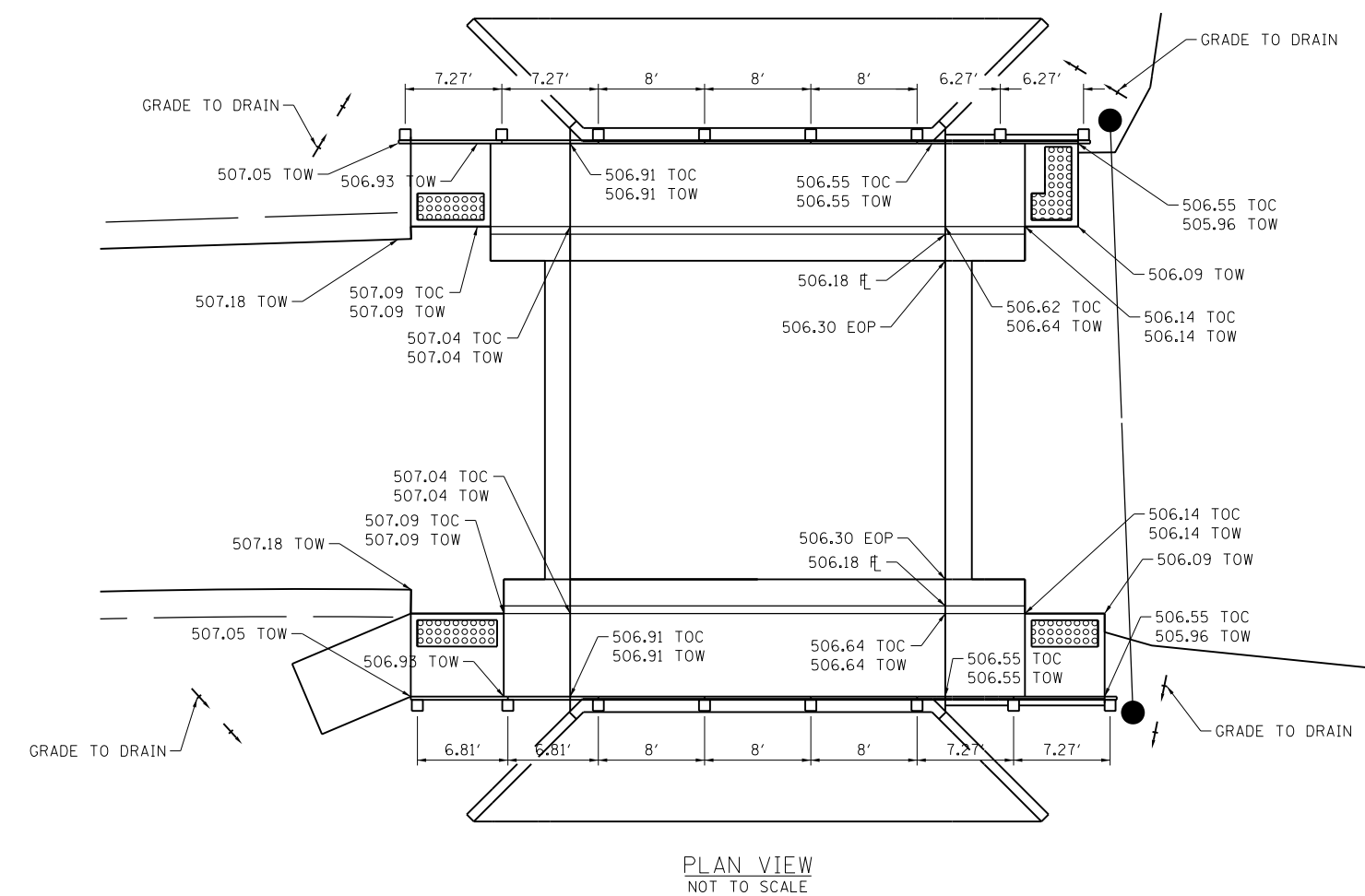
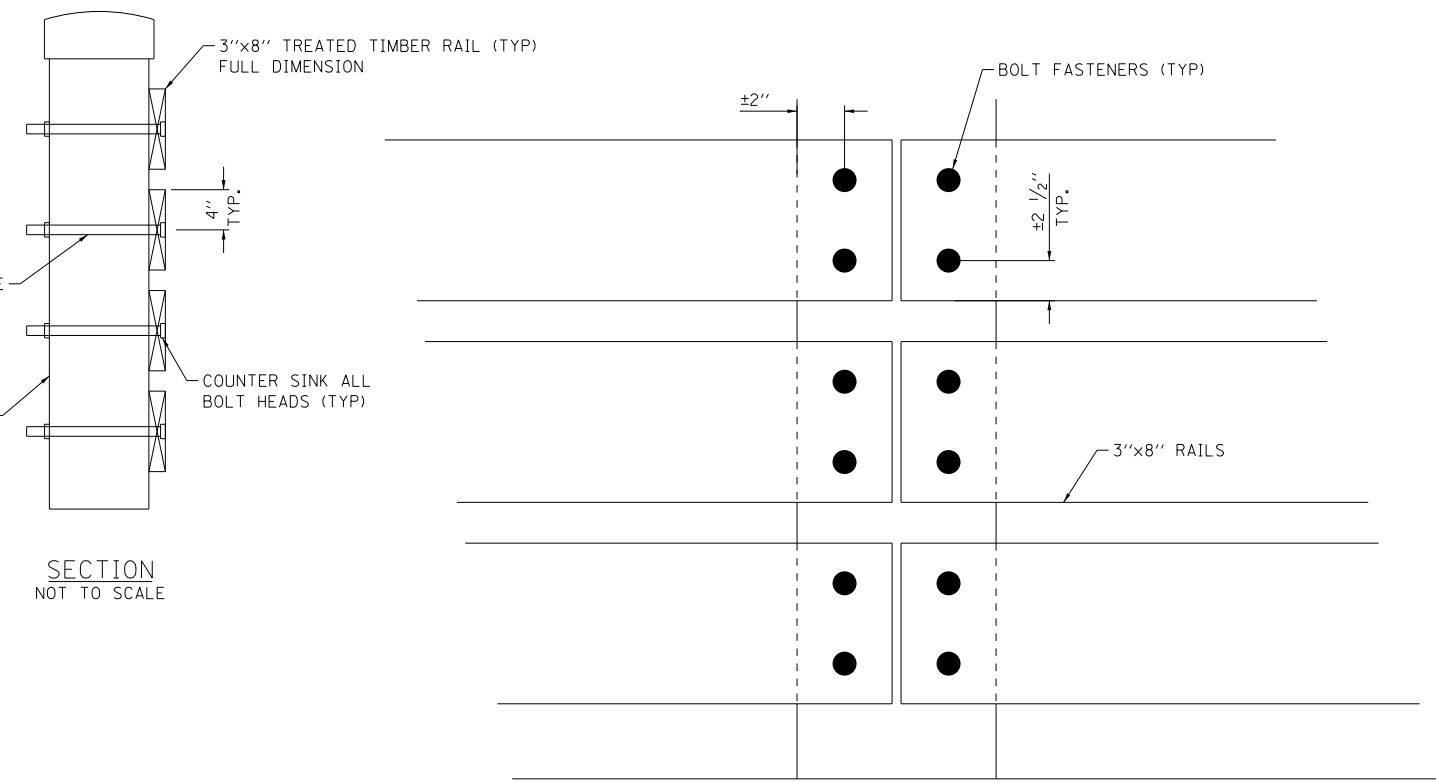
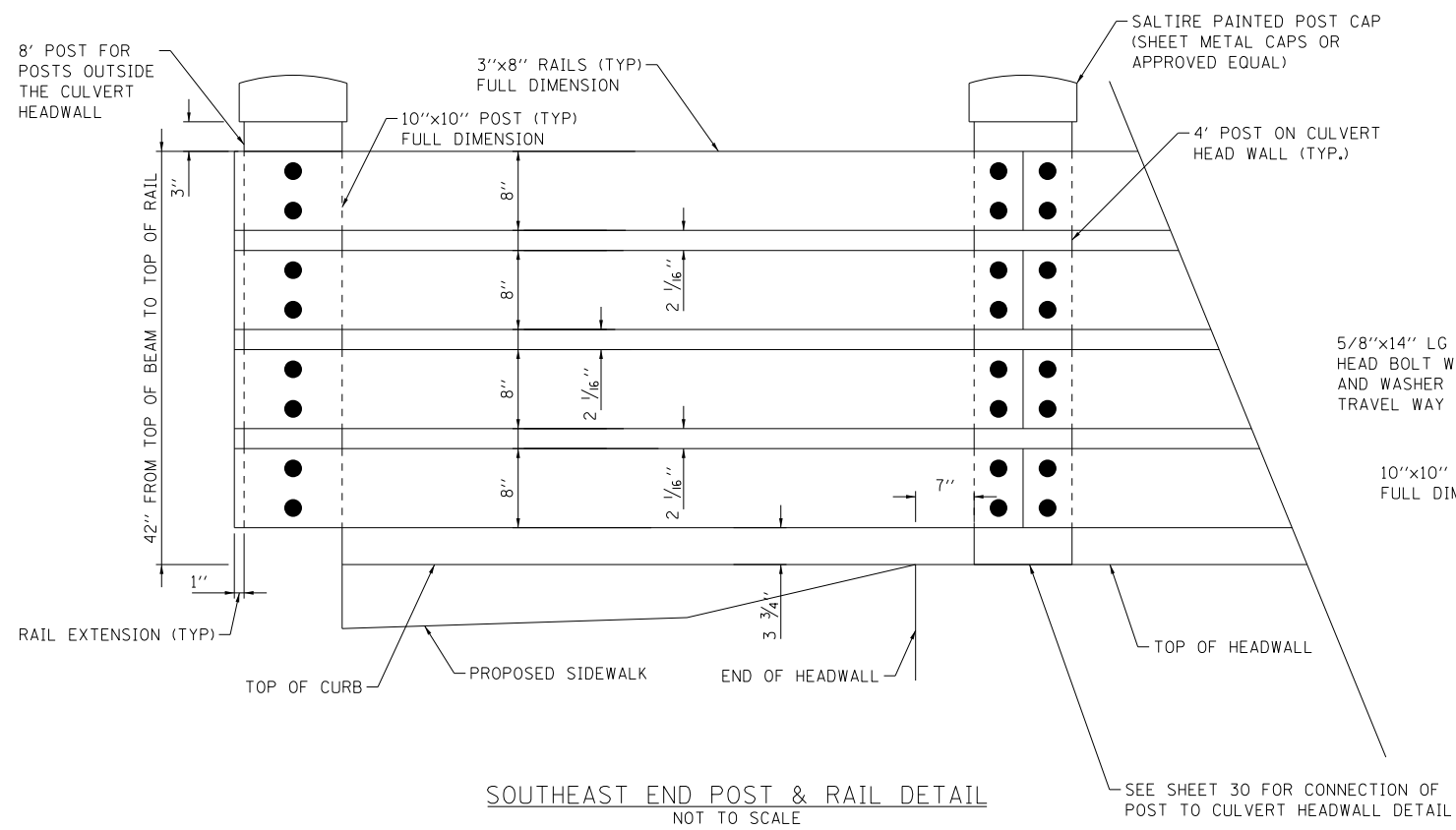
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Default	PLOT SCALE = 400.000' / in.	DRAWN - S.D.K.	REVISED -
	PLOT DATE = 5/17/2017	CHECKED - R.H.D.	REVISED -
		DATE - 5/17/17	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ROAD CLOSURE PLAN - PHASE III	
LINCOLN'S NEW SALEM STATE HISTORIC SITE	
SCALE: 1"=200'	SHEET 3 OF 4 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PARK ROADS 2018-01	MENARD	31	20
			CONTRACT NO. 46900	
ILLINOIS FED. AID PROJECT				

JOB NO. 250-141-1 VASCONCELLES ENGINEERING CORP. DESIGN FIRM REGISTRATION NUMBER 184-002107



TOC = TOP OF CURB
TOW = TOP OF WALK
EOP = EDGE OF PAVEMENT

FILE NAME = D646900-sh022-rail details.dgn	USER NAME = stevek	DESIGNED - R.H.D.	REVISED -
		DRAWN - S.D.K.	REVISED -
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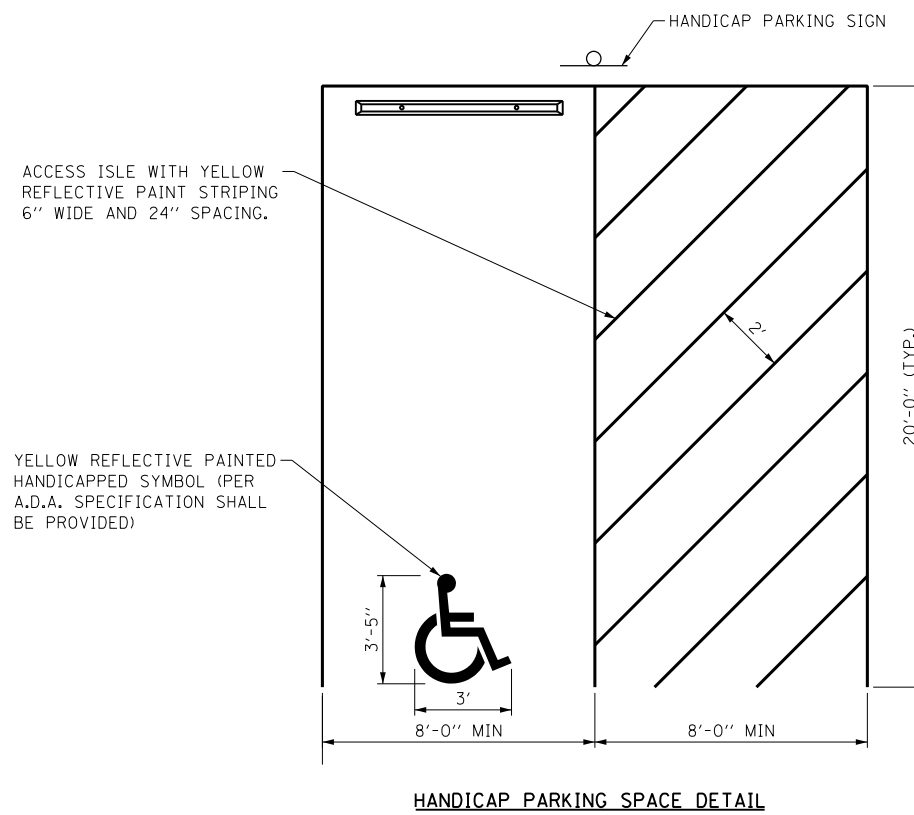
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**WOOD POST AND RAIL FENCE DETAILS
LINCOLN'S NEW SALEM STATE HISTORIC SITE**

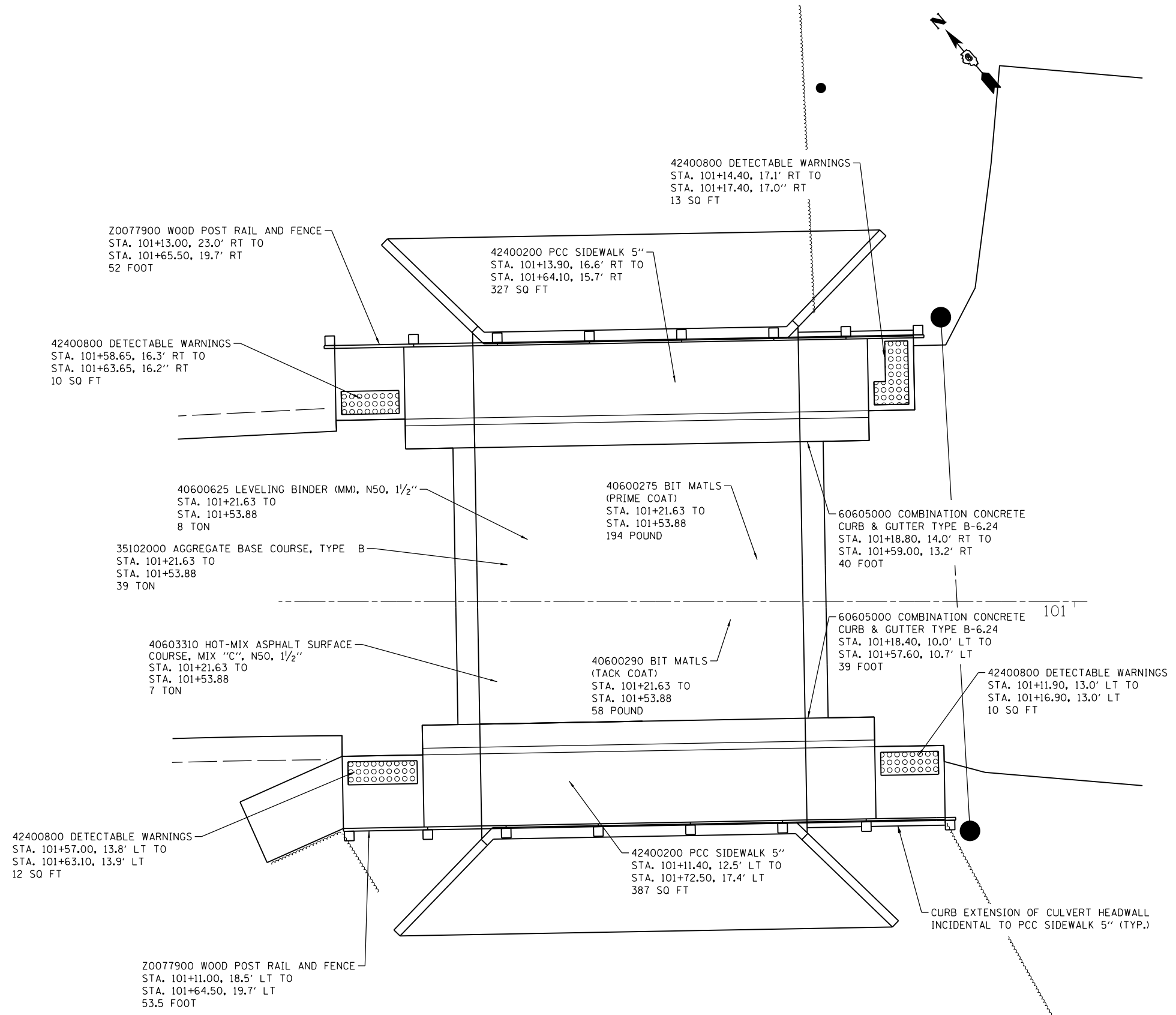
SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PARK ROADS 2018-01	MENARD	31	22
			CONTRACT NO. 46900	
ILLINOIS FED. AID PROJECT				

JOB NO. 250-141-1 VASCONCELLES ENGINEERING CORP. DESIGN FIRM REGISTRATION NUMBER 184-002107



HANDICAP PARKING SPACE DETAIL



FILE NAME = D646900-sh1023-roadway over culvert.dgn	USER NAME = stevek	DESIGNED - R.H.D.	REVISED -
Default		DRAWN - S.D.K.	REVISED -
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	PLOT DATE = 5/17/2017	DATE - 5/17/17	REVISED -

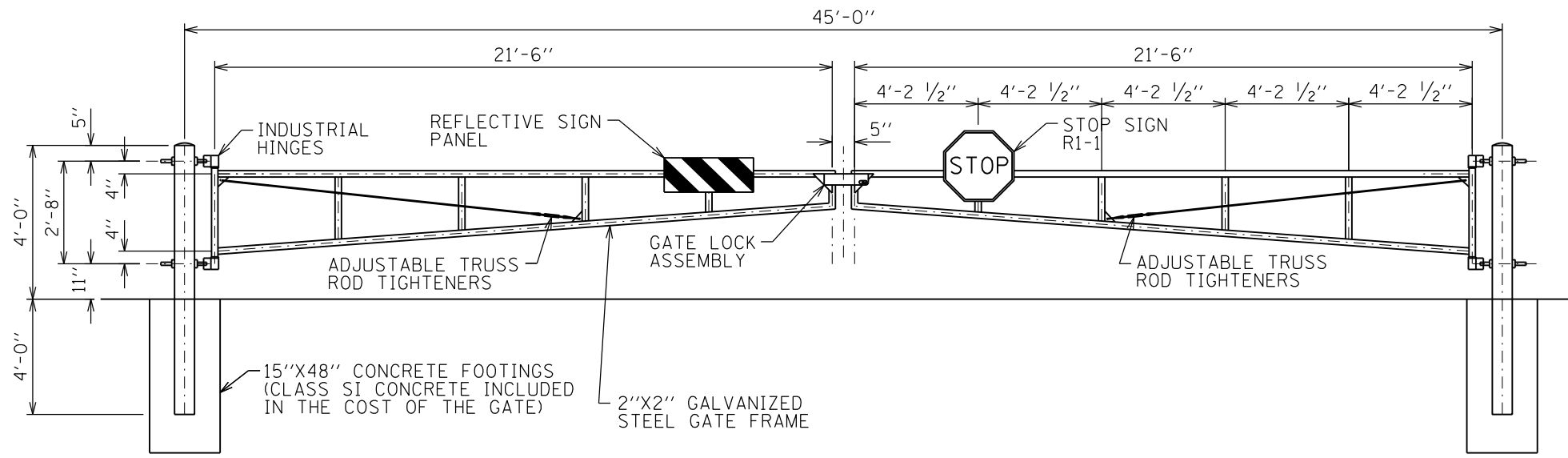
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ROADWAY OVER PROPOSED CULVERT & DETAILS
LINCOLN'S NEW SALEM STATE HISTORIC SITE**

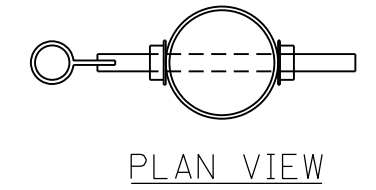
SCALE: 1"=5' SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PARK ROADS 2018-01	MENARD	31	23
			CONTRACT NO. 46900	
ILLINOIS FED. AID PROJECT				

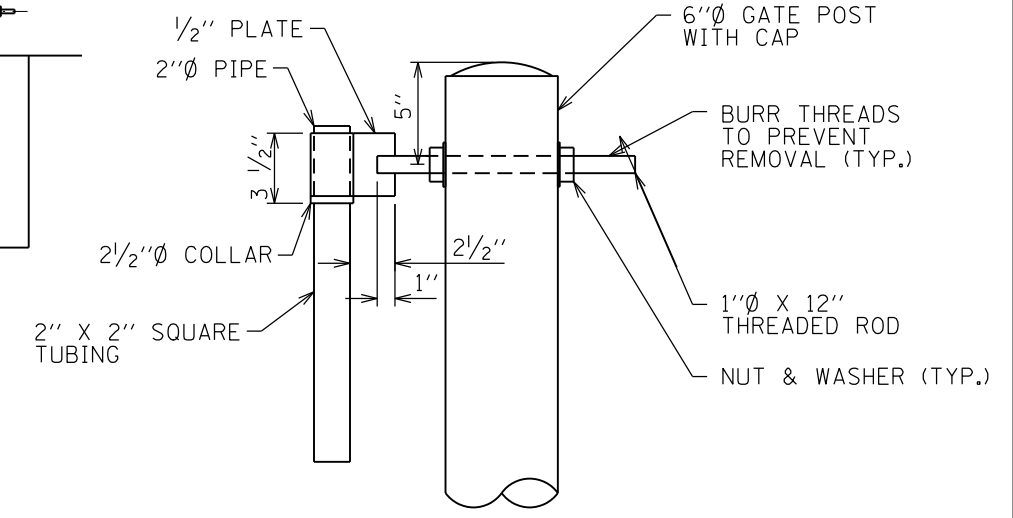
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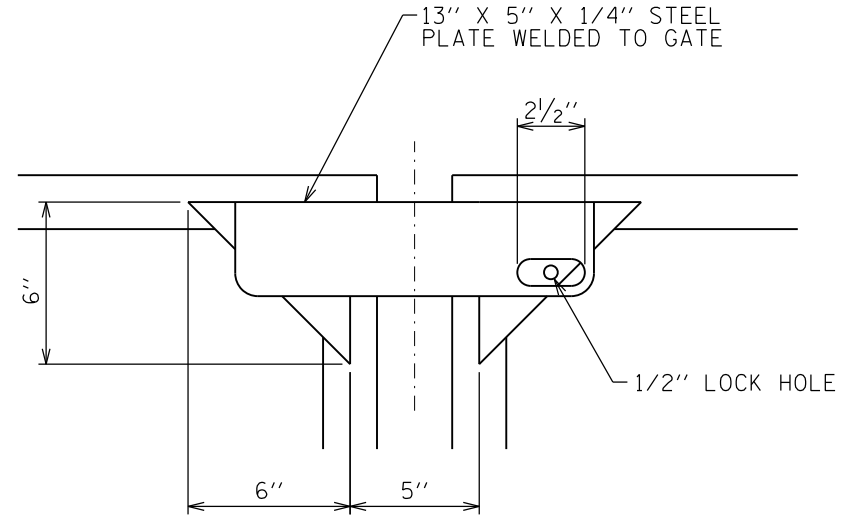
X0323013 TUBULAR STEEL GATE



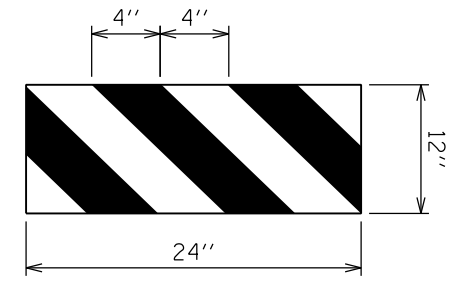
PLAN VIEW



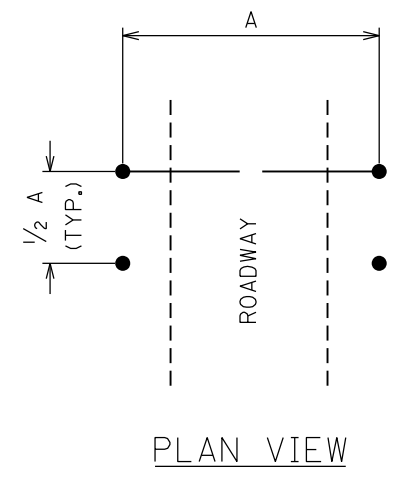
TOP GATE HINGE



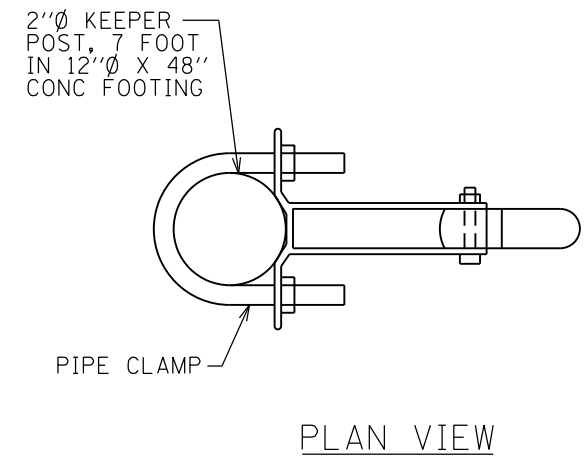
GATE LOCK ASSEMBLY



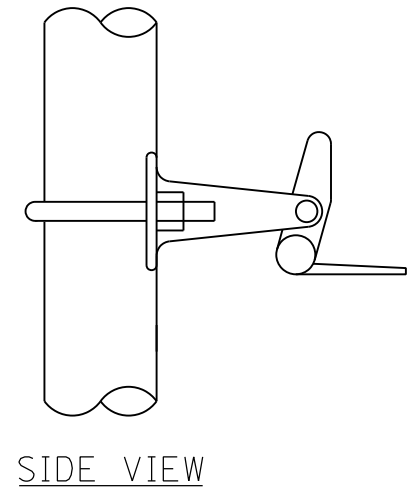
HORIZONTAL PANEL DETAIL



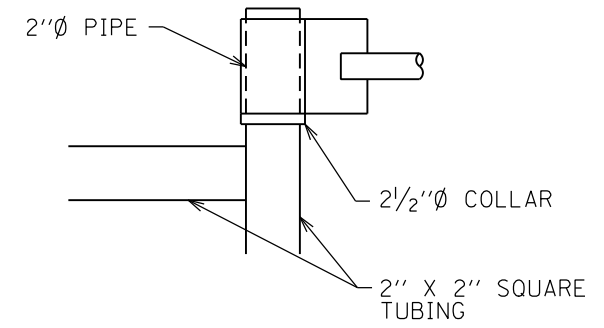
PLAN VIEW



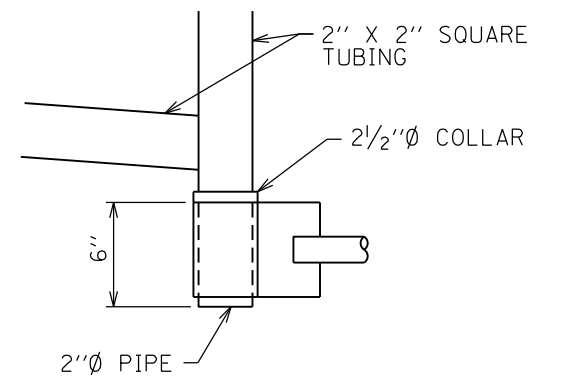
PLAN VIEW



SIDE VIEW



DETAIL AT TOP HINGE



DETAIL AT BOTTOM HINGE

AUTOMATIC GATE KEEPER

FILE NAME = D646900-sh024-gate details.dgn	USER NAME = stevek	DESIGNED - R.H.D.	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GATE DETAILS, MAIN ENTRANCE ROAD LINCOLN'S NEW SALEM STATE HISTORIC SITE	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default	PLOT SCALE = 40.0000' / in.	DRAWN - S.D.K.	REVISED -			PARK ROADS 2018-01	MENARD	31	24	
	PLOT DATE = 5/17/2017	CHECKED - R.H.D.	REVISED -			CONTRACT NO. 46900				
		DATE - 5/17/17	REVISED -			ILLINOIS FED. AID PROJECT				

JOB NO. 250-141-1 VASCONCELLES ENGINEERING CORP. DESIGN FIRM REGISTRATION NUMBER 184-002107

Benchmark: Chiseled "□" in the N.E. Corner of West hubguard in bridge at entrance to New Salem 12.95' Lt. Sta. 101+52.62 Elev. 507.63

Existing Structure: S.N. 065-9202 built in 1964 as part of Senate Bill 275. Single Span Precast Concrete Beam bridge 27'-9" face to face of curb, 28'-0" Bk. to Bk. Abutments. Traffic to be detoured. Project will be built under road closure.

No salvage.

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Removal of Existing Structures	Each	1
Name Plates	Each	1
Box Culvert End Sections Culvert No. 1	Each	2
Precast Concrete Box Culverts, 12' x 6'	Foot	82
Granular Culvert Backfill	Cu. Yd.	57
Membrane Waterproofing for Buried Structures	Sq. Yd.	142
Stone Riprap, Class A4	Sq. Yd.	133
Filter Fabric	Sq. Yd.	133
Rockfill - Foundation	Ton	150

INDEX OF SHEETS

- 1 - General Plan & Elevation
- 2-3 - Multicell Precast Concrete Box Culvert Apron End Section Details (U.S.)
- 4-5 - Multicell Precast Concrete Box Culvert Apron End Section Details (D.S.)
- 6 - Detail of Granular Culvert Backfill Pay Limits
- 7 - Soil Borings

WATERWAY INFORMATION

Flood	Freq. Yr.	Discharge C.F.S.	Opening Sq. Ft.		Nat. H.W.E.	Head - Ft.		Headwater El.	
			Exist.	Prop.		Exist.	Prop.	Exist.	Prop.
Design	10	772	116	144	505.3	0.0	0.0	505.4	505.3
Base	100	1,530	116/400	144/12	506.0	0.0	0.0	506.0	506.0
Max. Calc.	200	1,800	116/476	144/12	506.3	0.0	0.0	506.3	506.3

Drainage Area = 3.01 mi² Exist. Low Grade Elev. 506.4 @ Sta. 100+75
Prop. Low Grade Elev. 506.5 @ Sta. 101+10
Bridge/Overlapping TR 105A 10 year velocity through existing bridge = 6.2 fps
with Diversion Across IL 97 10 year velocity through prop. bridge = 2.7 fps

DESIGN SCOUR ELEVATION TABLE

Design Scour Elevation (ft.)	D.S. Invert	U.S. Invert
	495.2	495.5

GENERAL NOTES

The design fill height for this box is 2 ft. The precast box culvert sections shall conform to the requirements of ASTM C1577.
Drain holes shall be provided on exterior culvert walls for each precast box segment with a clear rise greater than 3 ft. The drain hole shall be located within 1/3 of the clear rise of the box culvert, shall not intercept the haunch, and shall conform to the requirements of Article 503.11 of the Standard Specifications.
Nonwoven geotextile fabric shall conform to the requirements of Art. 1080.01 of the Standard Specifications. The minimum weight of the fabric shall be 6 ounces per square yard.
Precast concrete box culverts and box culvert end sections shall be backfilled with Granular Culvert Backfill below the top of the box culvert extending to a vertical plane 2 ft. from the exterior sides of the culvert, 2 ft. beyond the headwalls, and not closer than 2 ft. from the face of embankment.

DESIGN SPECIFICATIONS

2014 AASHTO LRFD Bridge Design Specifications, 7th Edition with 2015 & 2016 Interims.

LOADING HL 93

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

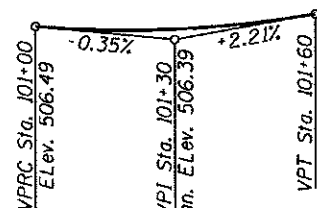
DESIGN STRESSES

PRECAST UNITS

f_c = 5,000 psi
f_y = 65,000 psi (Welded Wire Fabric)
f_y = 60,000 psi (Reinforcement)

FIELD UNITS

f_c = 3,500 psi
f_y = 60,000 psi (reinforcement)
f_y = 65,000 psi (welded wire fabric)



PROFILE GRADE
(Along & TR 105A)

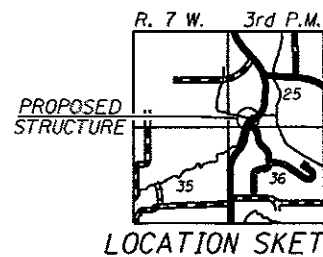
ROCKY BRANCH
BUILT 20 BY
STATE OF ILLINOIS
SECTION 2018-01
STA. 101+37.75
STR. NO. 065-9203 LOADING HL-93

NAME PLATE
(Standard 515001)

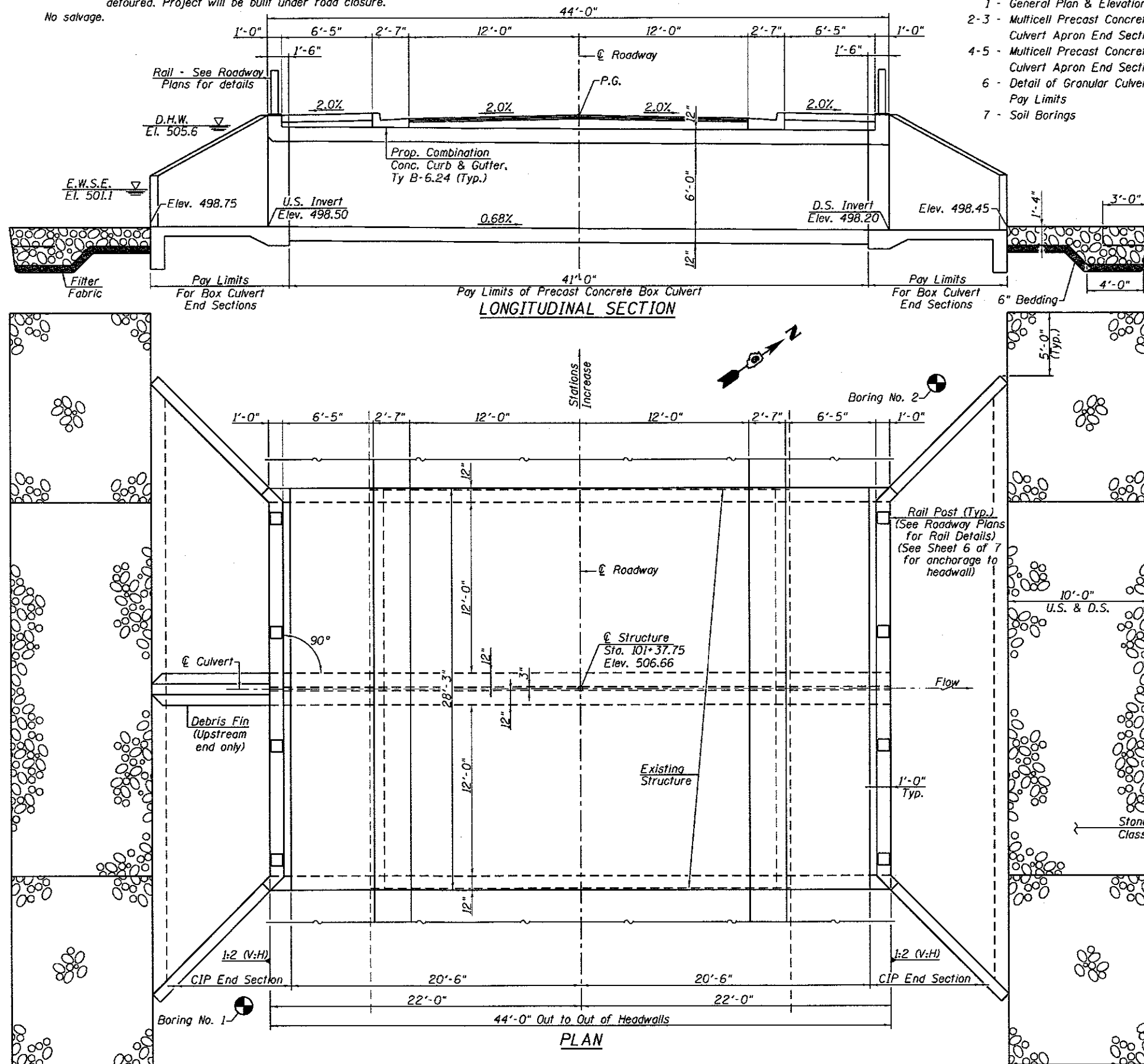


Mark A. Henderson 5/4/17
Exp. Date: 11/30/2018

GENERAL PLAN & ELEVATION
STATE PARK ROAD OVER
ROCKY BRANCH
T.R. 105A - SEC 2018-01
MENARD COUNTY
STA. 101+37.75
STRUCTURE NO. 065-9203



LOCATION SKETCH



LONGITUDINAL SECTION

PLAN



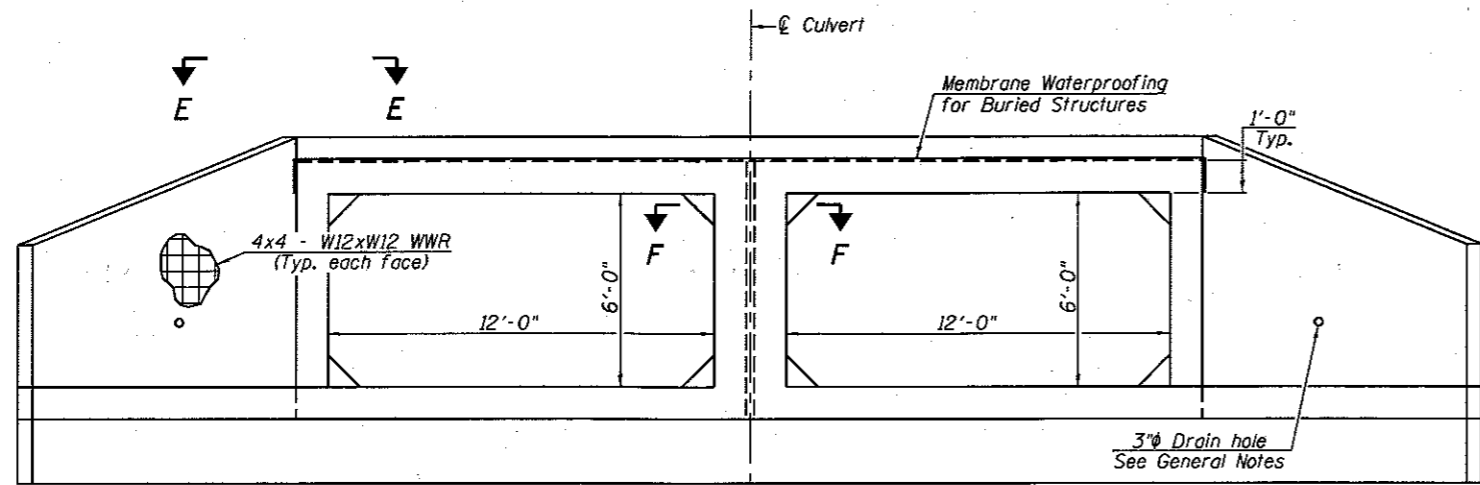
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PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE =	DRAWN -	REVISED -
	CHECKED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

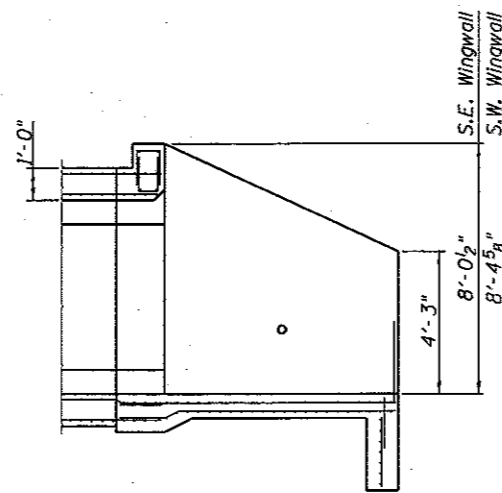
GENERAL PLAN & ELEVATION
STRUCTURE NO. 065-9203
SHEET NO. 1 OF 7 SHEETS

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
105A	PARK ROADS 2018-01	MENARD	31	25
				CONTRACT NO. 46900

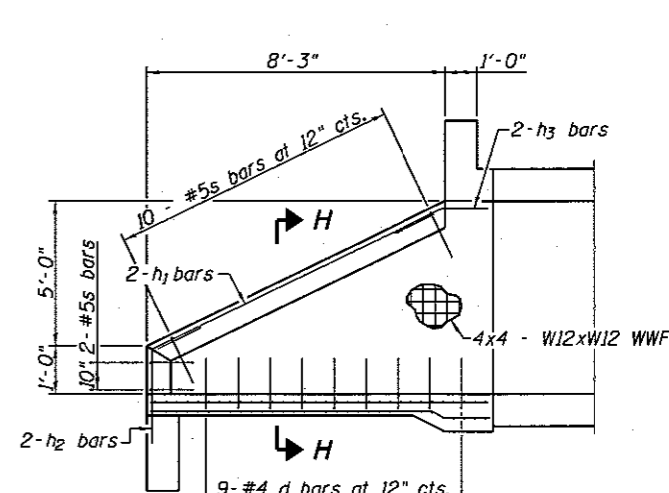
ILLINOIS FED. AID PROJECT



SECTION THRU BARREL
* Slab thickness may be refined in final design.

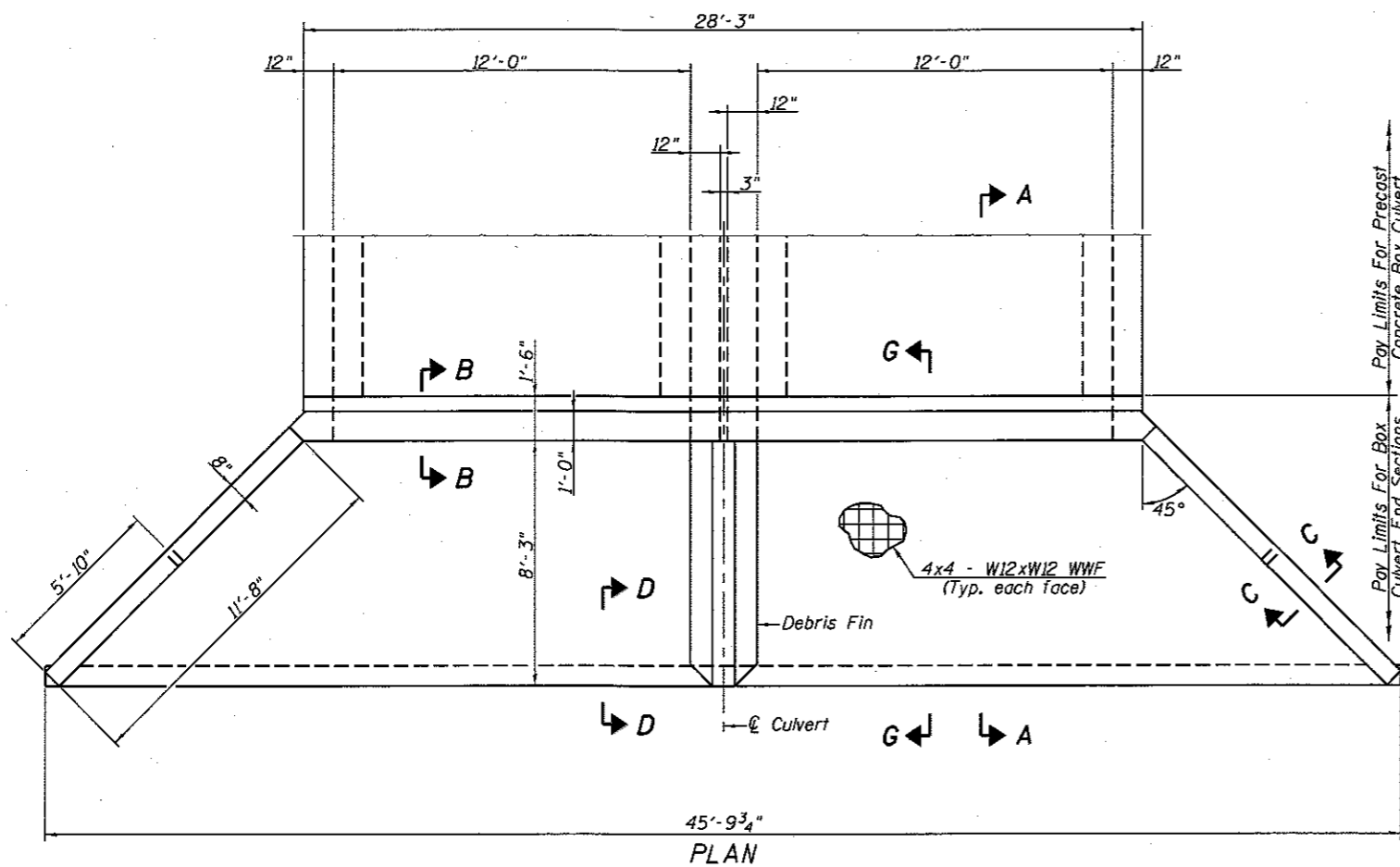


SECTION A-A

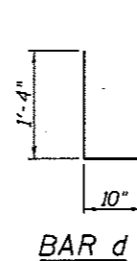


SECTION G-G

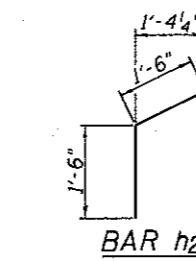
Note: Cost of reinforcement bars in the debris fin to be included in Box Culvert End Sections.



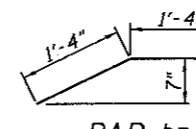
PLAN



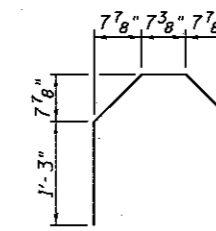
BAR d



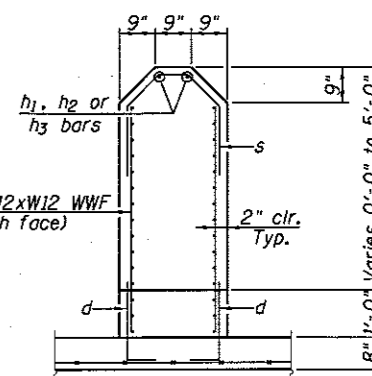
BAR h2



BAR h3



BAR s



SECTION H-H

GENERAL NOTES

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

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

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

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

All exposed concrete edges shall be chamfered 3/4" unless noted otherwise. The contractor may use reinforcement bars in lieu of welded wire reinforcement (WWR). Reinforcement bars shall be limited to the sizes of #3 through #5 bars, a maximum spacing of the lesser of 8" or the member thickness, and shall result in an area of reinforcement equal to or greater than that provided by the WWR. Minimum lap lengths detailed herein are applicable to WWR and reinforcement bars.

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

Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60.

Class S1 concrete shall be used for construction of the end section.

Bonded construction joints shall be prepared according to Article 503.09 of the Standard Specifications.

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

(Sheet 1 of 2)



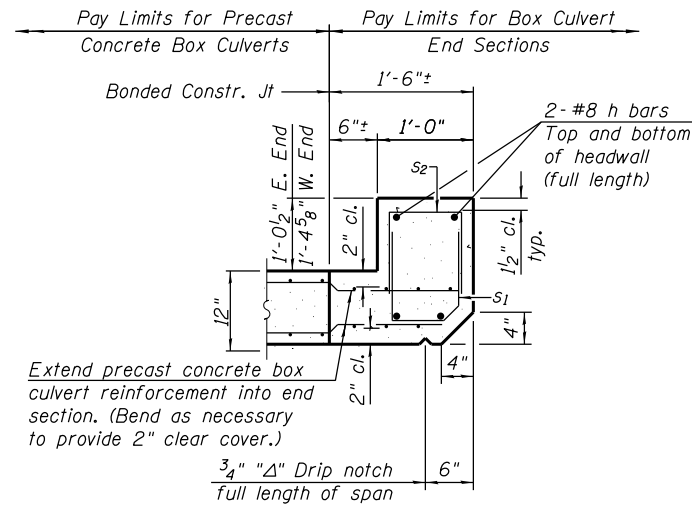
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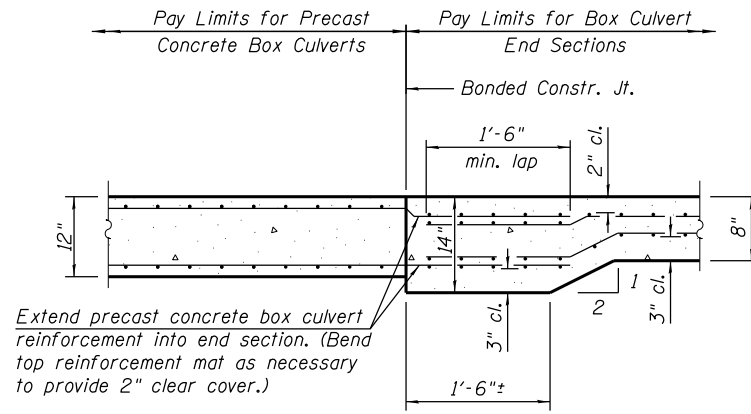
CULVERT DETAILS (UPSTREAM)
STRUCTURE NO. 065-9203

SHEET NO. 2 OF 7 SHEETS

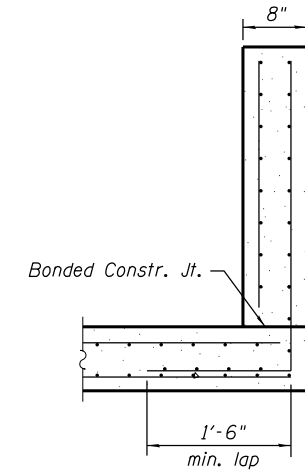
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				CONTRACT NO. 46900
ILLINOIS FED. AID PROJECT				



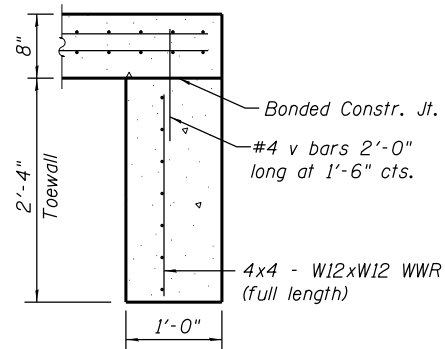
SECTION B-B
(Top slab at upstream end)



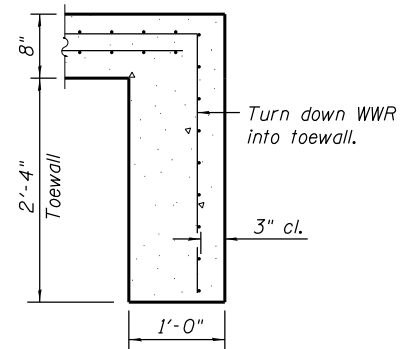
SECTION B-B
(Bottom slab)



SECTION C-C



SECTION D-D



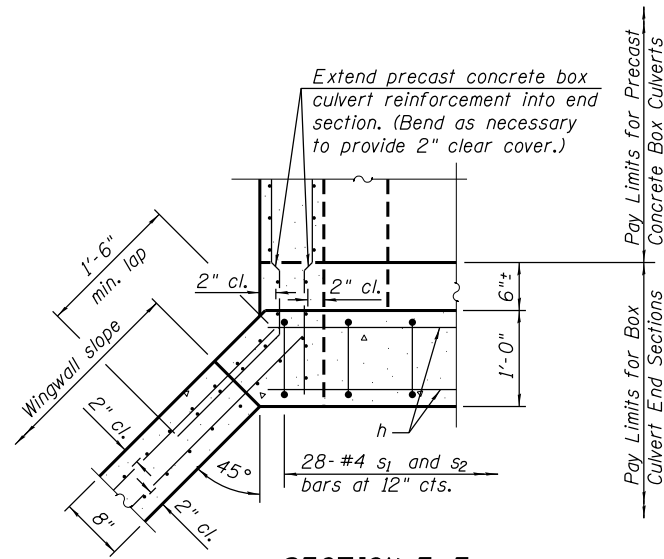
ALT. SECTION D-D

TOEWALL CONSTRUCTION SEQUENCE

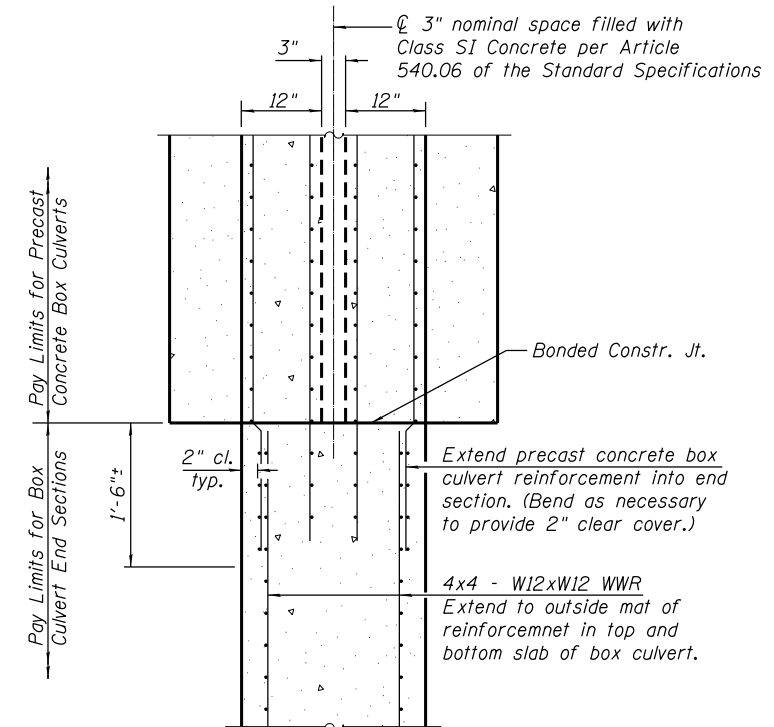
1. Perform excavation and construct toewall.
2. Backfill accordingly and prepare bedding for box culvert end sections.
3. Construct remainder of box culvert end section.

Note:

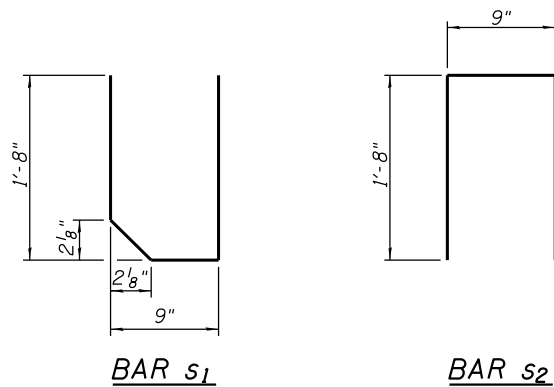
If soil conditions permit, the toewall may be poured monolithically with the bottom slab of the end section using Alt. Section D-D subject to approval from the Engineer.



SECTION E-E



SECTION F-F



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(Sheet 2 of 2)



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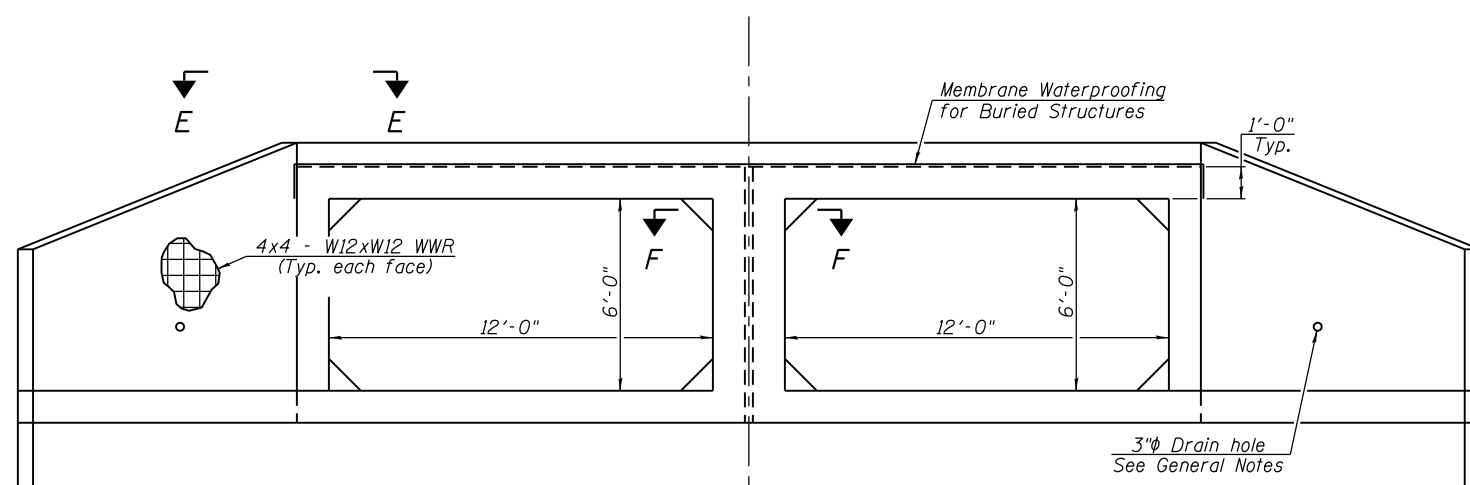
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MULTI-CELL PRECAST CONCRETE BOX CULVERT APRON END
SECTION DETAILS (UPSTREAM) - STRUCTURE NO. 065-9203

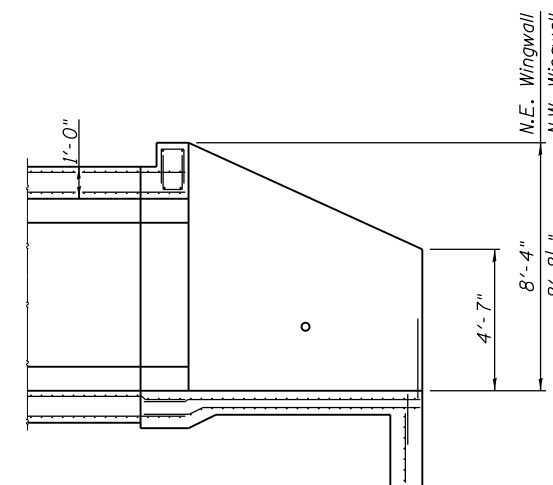
SHEET NO. 3 OF 7 SHEETS

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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			CONTRACT NO. 46900	

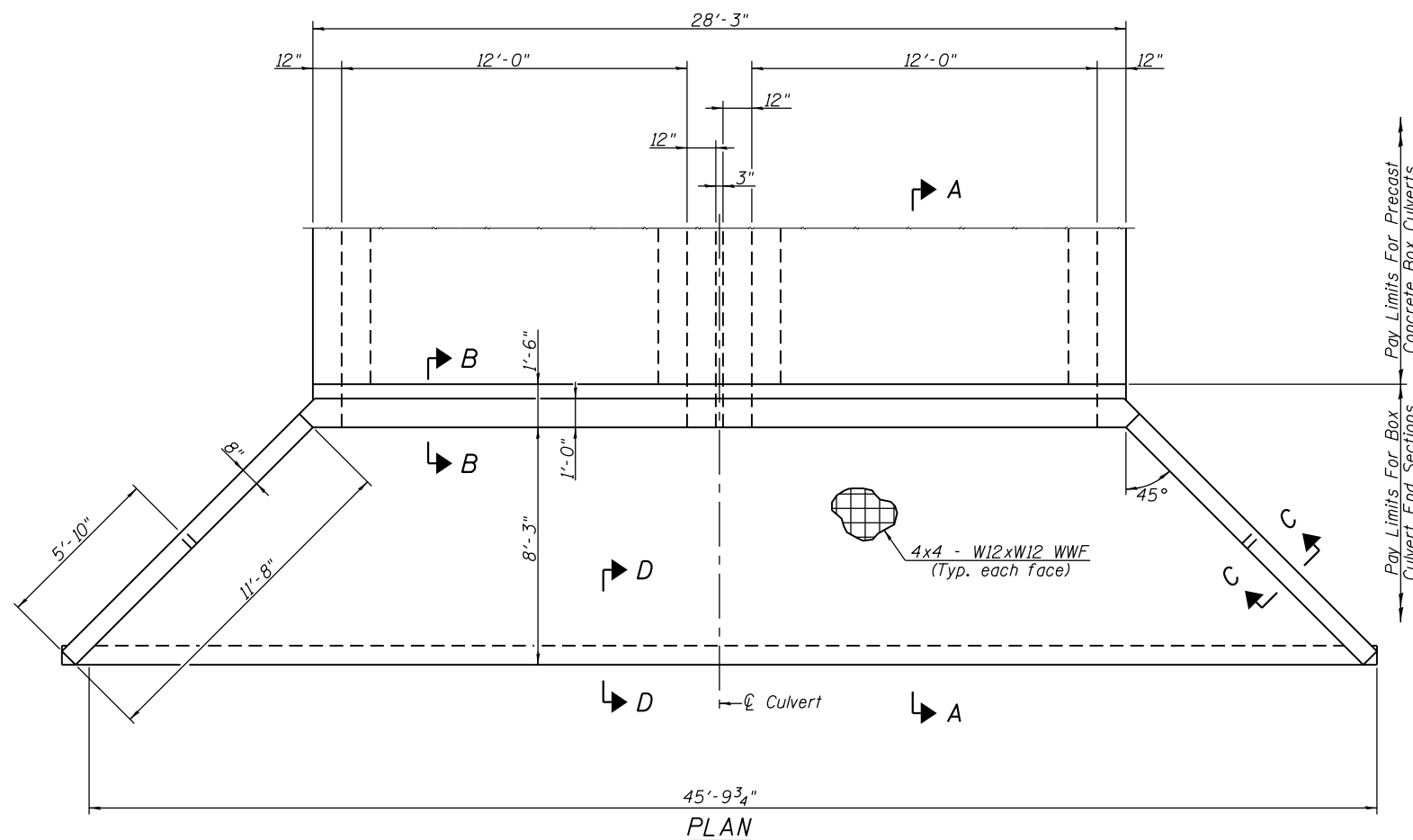
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SECTION THRU BARREL
 * Slab thickness may be refined in final design.



SECTION A-A



PLAN

GENERAL NOTES

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

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

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

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

All exposed concrete edges shall be chamfered 3/4" unless noted otherwise.

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

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

Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60.

Class SI concrete shall be used for construction of the end section.

Bonded construction joints shall be prepared according to Article 503.09 of the Standard Specifications.

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

(Sheet 1 of 2)



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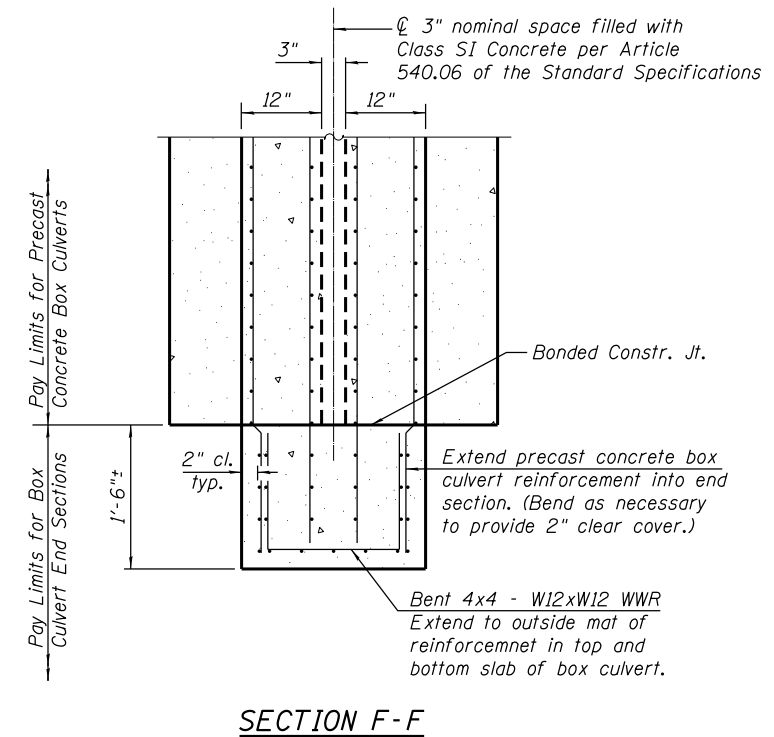
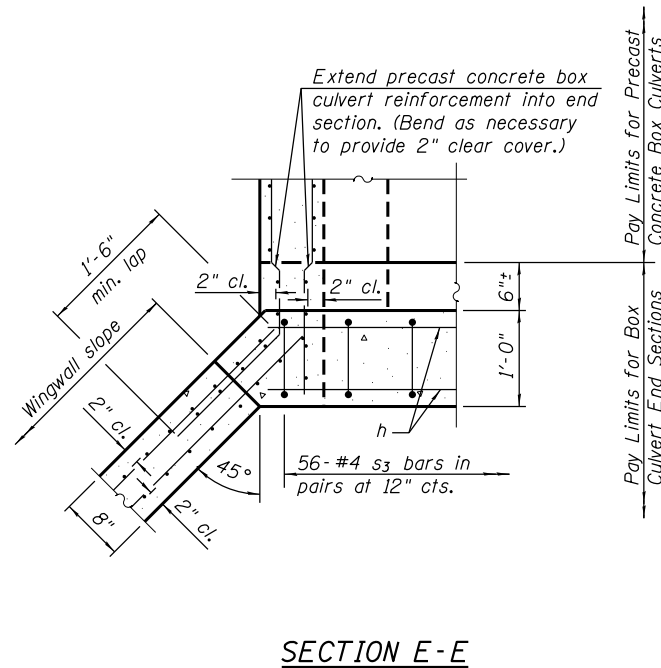
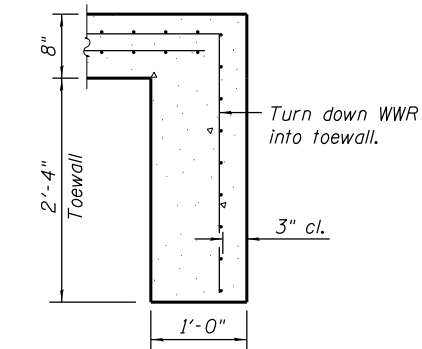
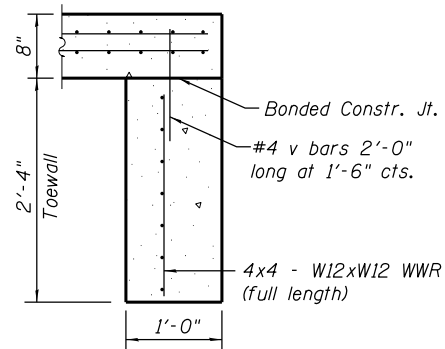
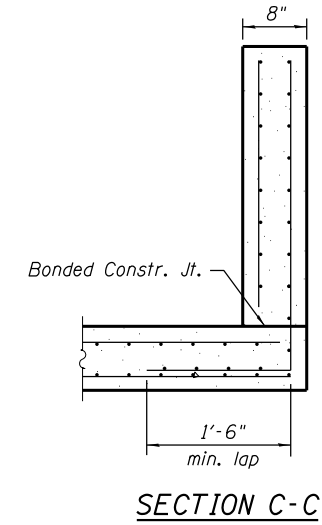
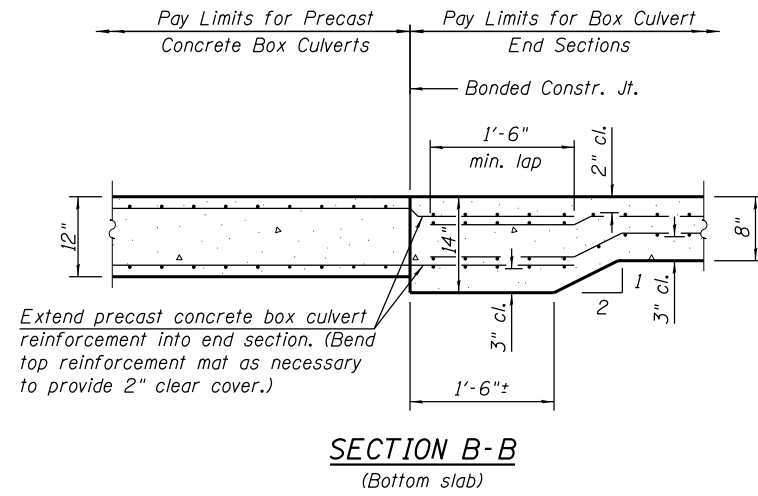
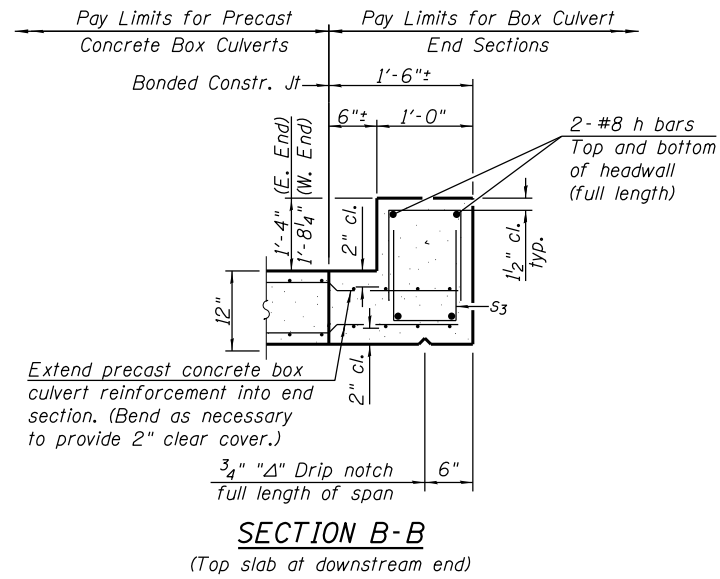
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**CULVERT DETAILS (DOWNSTREAM)
 STRUCTURE NO. 065-9203**

SHEET NO. 4 OF 7 SHEETS

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
105A	PARK ROADS 2018-01	MENARD	31	28
CONTRACT NO. 46900				

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SECTION D-D

ALT. SECTION D-D

SECTION E-E

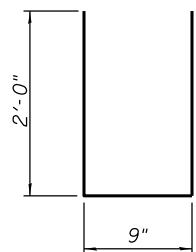
SECTION F-F

TOEWALL CONSTRUCTION SEQUENCE

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

Note:

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



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(Sheet 2 of 2)



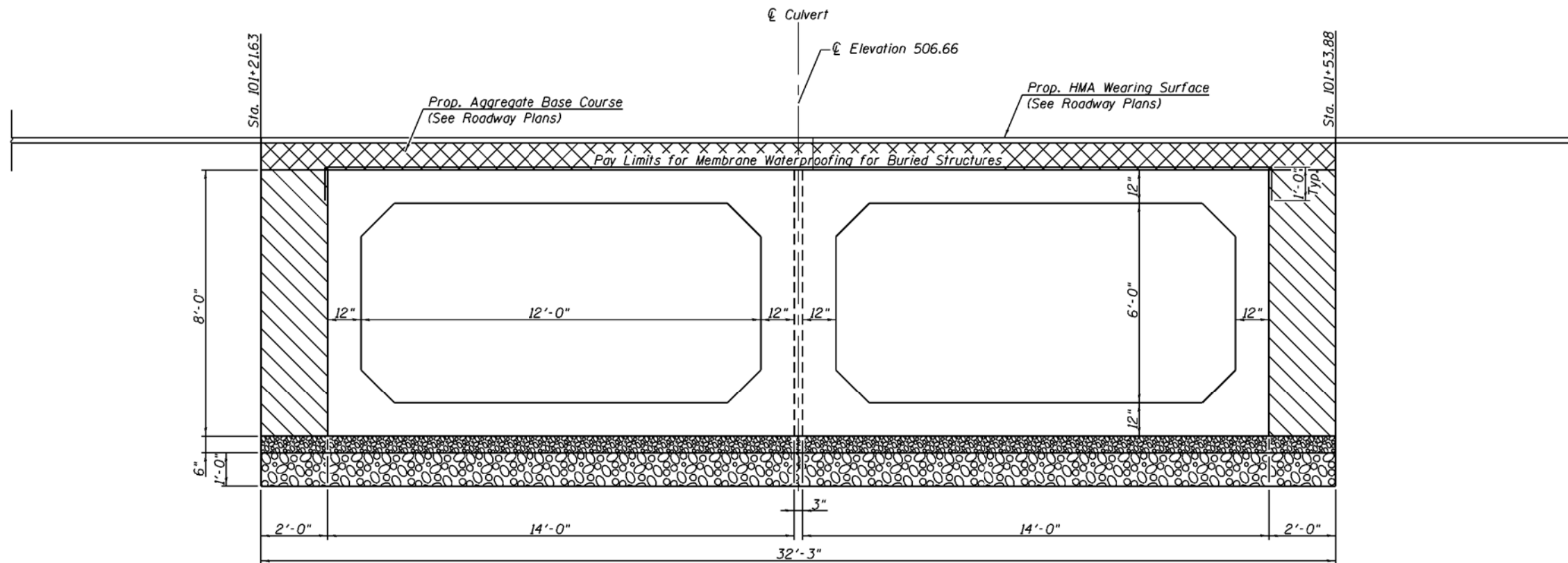
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MULTI-CELL PRECAST CONCRETE BOX CULVERT APRON END
SECTION DETAILS (DOWNSTREAM) - STRUCTURE NO. 065-9203**

SHEET NO. 5 OF 7 SHEETS

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
105A	PARK ROADS 2018-01	MENARD	31	29
			CONTRACT NO. 46900	
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SECTION THRU BARREL

* Slab thickness may be refined in final design.

GENERAL NOTES

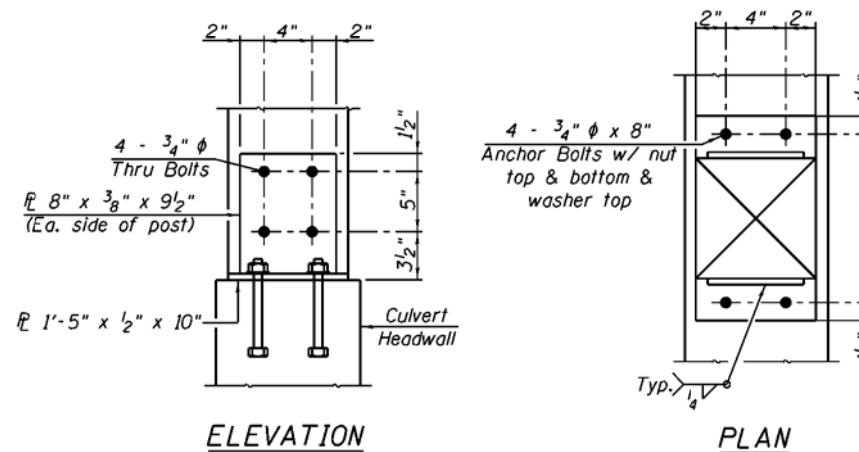
Work shown in the detail shall be performed in accordance with applicable portions of Section 207 and Section 540 of the Standard Specifications.

Granular Culvert Backfill shall extend 2 ft. beyond the headwalls.

The area to be excavated for the proposed box culvert shall not be measured for payment. The cost of the excavation shall be included in the cost of Precast Concrete Box Culverts.

LEGEND

- Pay limits of Granular Culvert Backfill
- Porous Granular Material - CA-7 (6") Included in Precast Concrete Box Culverts, 12' x 6'
- Rockfill Foundation (12")
- Aggregate Base Course (See Roadway Plans)



RAIL POST ANCHOR DETAILS

Note: Cost of labor and material for post anchors included with "Wood Post and Rail Fence". All plates and hardware to be Stainless Steel Type 304. See Special Provisions for paint requirements.



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DETAIL OF GRANULAR CULVERT BACKFILL PAY LIMITS
STRUCTURE NO. 065-9203

SHEET NO. 6 OF 7 SHEETS

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
105A	PARK ROADS 2018-01	MENARD	31	30
			CONTRACT NO. 46900	

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