

INDEX OF SHEETS

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SEE SHEET NO. 2 FOR LIST OF ILLINOIS D.O.T
HIGHWAY STANDARDS

UTILITY CONTACTS:

UTILITY TYPE:

TELEPHONE
AT&T
(217) 789-8227
ATTN: RICH WEINGAND

UTILITY TYPE:

TELEPHONE-FIBER OPTIC
LEVEL 3 COMMUNICATIONS
(720) 480-3364
ATTN: BRYAN HANKINS

UTILITY TYPE:

AMEREN CILCO
(217) 753-5187
ATTN: RICK COMBS

UTILITY TYPE:

ELECTRIC
CWLP
(217) 757-8520
ATTN: ROLEEN THOELE

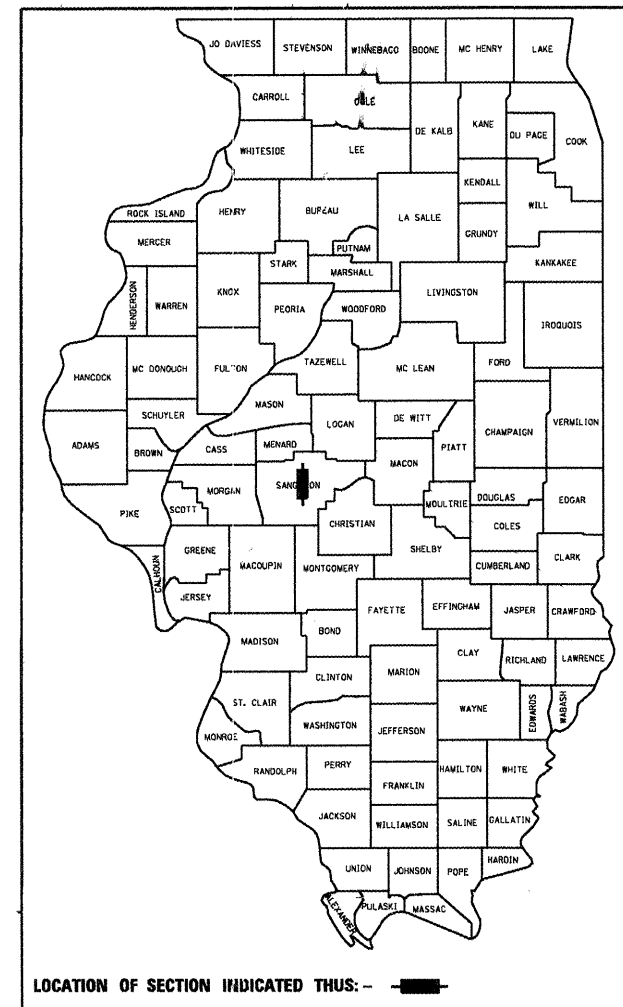
UTILITY TYPE:

TELEPHONE
VERIZON NORTH
(217) 461-3222
ATTN: JESSICA GORDON

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
**PLANS FOR PROPOSED
SANGAMON VALLEY TRAIL**
CENTENNIAL PARK TO STUART PARK
SECTION 05-00173-00-BT
PROJECT ARA-00D6(090)
SANGAMON COUNTY
C-96-254-10

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00173-10-BT	SANGAMON	173	1
			+1=174	

93522



LOCATION OF SECTION INDICATED THUS: -

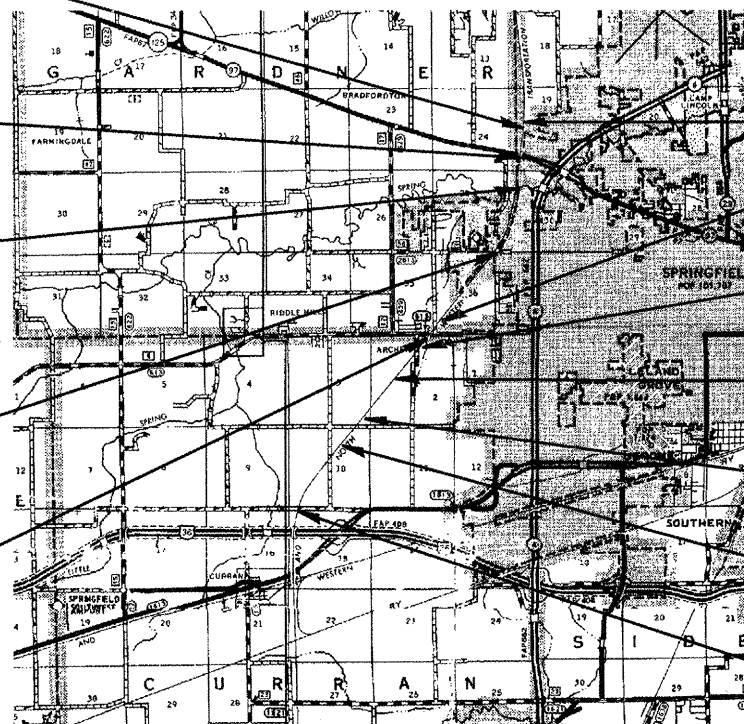
SVT BRIDGE NO 16
STA 1206+62
4 SPAN STRUCTURE OVER
ABANDONED RAILROAD
TO BE REMOVED

SN 084-9936 (EXISTING)
STA 1188+98.84
1 SPAN STRUCTURE
OVER IL 97

SN 084-8014 (PROPOSED)
STA 1169+30.12
5 SPAN STRUCTURE OVER
SPRING CREEK

SN 084-9924 (EXISTING)
STA 1123+78.00
3 SPAN STRUCTURE
OVER WASHINGTON ST

SN 084-9912 (EXISTING)
STA 1055+03.50
7 SPAN STRUCTURE OVER
OLD JACKSONVILLE RD



END SECTION
STA 1207+75

STA EQUATION
STA 1063+86.07 BK =
STA 1063+64.86 AH

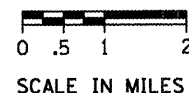
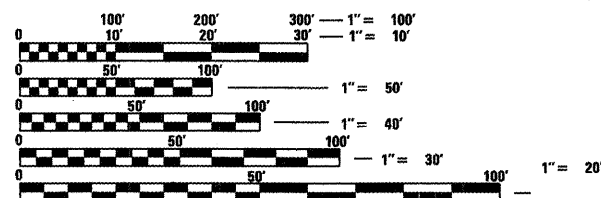
STA EQUATION
STA 1045+27.44 BK =
STA 1044+78.05 AH

STA EQUATION
STA 1016+00.23 BK =
STA 1016+00.06 AH

STA EQUATION
STA 984+26.47 BK =
STA 984+05.47 AH

STA EQUATION
STA 957+25.74 BK =
STA 956+68.42 AH

BEGIN SECTION
STA 917+26.90



GROSS LENGTH OF SECTION: 31,174.63 FEET = 5.904 MILES
NET LENGTH OF SECTION: 30,981.87 FEET = 5.868 MILES

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

CONTRACT NO. 93522

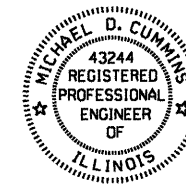
CEC Cummins
Engineering
Corporation
Civil and Structural Engineering

HLR HAMPTON, LENZINI & RENWICK, INC.
CIVIL & STRUCTURAL ENGINEERS
LAND SURVEYORS

Massie & Massie
Associates



Louis F. Stauffer
ILLINOIS REGISTRATION NO. 062-34227
(Expires 11/30/11)
HAMPTON, LENZINI & RENWICK, INC
SHEETS 19, 40-43, 54-55, 149-173



Michael D. Cummins
ILLINOIS REGISTRATION NO. 43244
(Expires 11/30/11)
CUMMINS ENGINEERING CORPORATION
SHEETS 1-18, 20-39, 44-53, 56-75
116-148

APPROVED	<i>June 4</i>	. 20 09
	<i>V.C.Z.</i>	COUNTY ENGINEER
PASSED	<i>JANUARY 20</i>	. 20 10
	<i>Jim Furt</i>	DISTRICT SIX ENGINEER OF LOCAL ROADS AND STREETS
PASSED	<i>JANUARY 28</i>	. 20 10
	<i>Russ Dehambrian</i>	DISTRICT ENGINEER OF CONSTRUCTION
RELEASED FOR BID BASED ON LIMITED REVIEW	<i>JANUARY 28</i>	. 20 10
	<i>Roger L. Duvell</i>	DEPUTY DIRECTOR OF HIGHWAYS, REGION FOUR ENGINEER

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

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LIST OF ILLINOIS DOT HIGHWAY STANDARDS

- 280001-05 TEMPORARY EROSION CONTROL SYSTEMS
- 424001-05 CURB RAMPS FOR SIDEWALKS
- 542401-01 METAL END SECTION FOR PIPE CULVERTS
- 701201-03 LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS \geq 45 MPH
- 701326-03 LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING, FOR SPEEDS \geq 45 MPH
- 701801-04 LANE CLOSURE MULTILANE 1W OR 2W CROSSWALK OR SIDEWALK CLOSURE
- 701901-01 TRAFFIC CONTROL DEVICES
- 720001-01 SIGN PANEL MOUNTING DETAILS
- 720006-02 SIGN PANEL ERECTION DETAILS
- 720011-01 METAL POSTS FOR SIGNS, MARKERS, & DELINEATORS
- 780001-02 TYPICAL PAVEMENT MARKINGS
- BLR 21-8 TYPICAL APPLICATION - TRAFFIC CONTROL DEVICES - RURAL LOCAL HIGHWAYS

GENERAL NOTES

1. THE AREA TO BE SEEDED SHALL CONSIST OF ALL DISTURBED EARTH SURFACES WITHIN THE RIGHT OF WAY AS DIRECTED BY THE ENGINEER.

SEEDING (SPECIAL) = 10.96 ACRES
2. ALL ELEVATIONS SHOWN ON THE PLANS ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
3. THE LOCATIONS OF EXISTING WATER MAINS, GAS MAINS, ELECTRIC POWER LINES, TELEPHONE LINES, AND OTHER UTILITIES AS SHOWN ON THE PLANS ARE BASED ON CAREFUL FIELD INVESTIGATION AND THE BEST INFORMATION AVAILABLE, BUT ARE NOT GUARANTEED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN THEIR EXACT LOCATION FROM THE UTILITY COMPANIES, MUNICIPALITIES AND FIELD INSPECTION. SEE STANDARD SPECIFICATIONS.
4. MIXTURE REQUIREMENTS:

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT

LOCATION(S):	PARKING LOT (CENTENNIAL PARK)	PARKING LOT SANGAMON VALLEY TRAIL CONNECTORS EXISTING PATHWAY
MIXTURE USE(S):	HMA BINDER	HMA SURFACE
PG:	PG 64-22	PG 64-22
DESIGN AIR VOIDS:	4.0% \square N DESIGN = 50	4.0% \square N DESIGN = 50
MIXTURE COMPOSITION: (GRADATION MIXTURE)	IL 19.0	IL 9.5 OR 12.5
FRICTION AGGREGATE:	N/A	MIX "C"

5. FOLLOWING CONSTRUCTION OF THE PAVEMENT AND PRIOR TO OPENING THE TRAIL TO TRAFFIC, THE CONTRACTOR SHALL PRUNE TREES AND VEGETATION ALONG THE ENTIRE TRAIL AS SPECIFIED IN SECTION 201 OF THE STANDARD SPECIFICATIONS AND AS DETAILED IN THE PLANS. PRUNING WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST FOR EARTH EXCAVATION

CUMMINS ENGINEERING CORPORATION

JOB = 2192	DESIGNED - NAK	REVISED -
FILE NAME = 2192gennotes.dgn	DRAWN - AJH	REVISED -
PLOT SCALE = 10,0000' / IN.	CHECKED - NAK	REVISED -
PLOT DATE = 6/5/2009	DATE - 1/21/2009	REVISED -

SANGAMON VALLEY TRAIL

INDEX OF SHEETS, STANDARDS, GENERAL NOTES

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00173-00-BT	SANGAMON	173	2
CONTRACT NO.			93522	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

LOCATION OF WORK				SANGAMON VALLEY TRAIL	STUART PARK CONNECTOR	CENTENNIAL PARK & STUART PARK	STRUCTURES	STRUCTURES
				STA 917+16.90 TO STA 1207+75	STA 5999+92.48 TO STA 6015+29.93	PARKING LOT, CONNECTORS, EXISTING STUART PARK PATH	SVT OVER OLD JACKSONVILLE RD, WASHINGTON ST & JEFFERSON ST,	SVT OVER SPRING CREEK & SPRING CREEK TRIBUTARY
SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE				
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	Y047	Y047	Y047	Y047	Y047
20100500	TREE REMOVAL ACRES	ACRE	0.2	0.1		0.1		
20200100	EARTH EXCAVATION	CU YD	16,800	16,445	40	315		
20400800	FURNISHED EXCAVATION	CU YD	2,780		2,780			
21101625	TOPSOIL FURNISH AND PLACE, 6"	SQ YD	16,194	16,194				
25100630	EROSION CONTROL BLANKET	SQ YD	3,376	1,462	1,914			
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	1,090	980	80	30		
28000305	TEMPORARY DITCH CHECKS	FOOT	850	800	50			
28000400	PERIMETER EROSION BARRIER	FOOT	59,541	55,337	2,660	1,544		
28000500	INLET AND PIPE PROTECTION	EACH	10	1	6	3		
* 28100208	STONE RIPRAP, CLASS A4 (SPECIAL)	TON	146	74	16	16	40	
35100100	AGGREGATE BASE COURSE, TYPE A	TON	14,765	12,853	716	1,196		
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	25					25
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	10,822	9,383	537	902		
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	148			148		
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	5,921	5,256	295	370		
42400300	PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH	SQ FT	925	925				
42400800	DETECTABLE WARNINGS	SQ FT	326	326				
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1					1
* 50101600	REMOVAL OF EXISTING SUPERSTRUCTURES	L SUM	1				1	
50102400	CONCRETE REMOVAL	CU YD	22.3				21.0	1.3
50157300	PROTECTIVE SHIELD	SQ YD	70				70	
50200100	STRUCTURE EXCAVATION	CU YD	39				39	
50300225	CONCRETE STRUCTURES	CU YD	35.5				35.5	
50300255	CONCRETE SUPERSTRUCTURE	CU YD	20.2					20.2
50500105	FURNISHING AND ERECTING STRUCTURAL STEEL	L SUM	1				1	
50700105	TREATED TIMBER	F.B.M.	103,459				55,071	48,388
50700305	HARDWARE	POUND	15,145				10,125	5,020
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	6,290				3,530	2,760

* SEE SPECIAL PROVISIONS

CUMMINS ENGINEERING CORPORATION	JOB = 2192	DESIGNED - NAK	REVISED -	SANGAMON VALLEY TRAIL	SUMMARY OF QUANTITIES	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	FILE NAME = 2192500.dgn	DRAWN - AJH	REVISED -			05-00173-00-BT	SANGAMON	173	3	
	PLOT SCALE = 100.0000' / IN.	CHECKED - NAK	REVISED -			CONTRACT NO.				
	PLOT DATE = 1/11/2010	DATE - 3/13/2009	REVISED -			FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	03520		

LOCATION OF WORK	SANGAMON VALLEY TRAIL STA 917+16.90 TO STA 1207+75	STUART PARK CONNECTOR STA 5999+92.48 TO STA 6015+29.93	CENTENNIAL PARK & STUART PARK PARKING LOT, CONNECTORS, EXISTING STUART PARK PATH	STRUCTURES SVT OVER OLD JACKSONVILLE RD, WASHINGTON ST & JEFFERSON ST,	STRUCTURES SVT OVER SPRING CREEK & SPRING CREEK TRIBUTARY
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SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE				
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	Y047	Y047	Y047	Y047	Y047
52100530	ANCHOR BOLTS, 1 1/4"	EACH	8				8	
542D0217	PIPE CULVERTS, CLASS D, TYPE 1 12" (CSCP)	FOOT	141		95	46		
542D0223	PIPE CULVERTS, CLASS D, TYPE 1 18" (CSCP)	FOOT	127	32	50	45		
54213867	STEEL END SECTIONS 12"	EACH	14		10	4		
54213873	STEEL END SECTIONS 18"	EACH	4		2	2		
58700300	CONCRETE SEALER	SQ FT	1,694				979	715
67100100	MOBILIZATION	L SUM	1	1				
* 70103700	TRAFFIC CONTROL COMPLETE	L SUM	1	1				
72000100	SIGN PANEL - TYPE 1	SQ FT	263	233	15	15		
72900100	METAL POST - TYPE A	FOOT	881	746	73	62		
Δ 78001100	PAINT PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	212	207		5		
Δ 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	1,401	766		635		
Δ 78001130	PAINT PAVEMENT MARKING - LINE 6"	FOOT	193	193				
Δ 78001150	PAINT PAVEMENT MARKING - LINE 12"	FOOT	310	310				
Δ 78001180	PAINT PAVEMENT MARKING - LINE 24"	FOOT	85	65	5	15		
Δ * A2001220	TREE, ACER RUBRUM RED SUNSET (RED SUNSET RED MAPLE), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	2	2				
* A2006606	TREE, QUERCUS COCCINEA (SCARLET OAK), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	4	2		2		
Δ * A2002720	TREE, CARYA OVATA (SHAGBARK HICKORY), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	2	2				
Δ * A2005520	TREE, NYSSA SYLVATICA (BLACK TUPELO), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	6	6				
Δ * A2007120	TREE, QUERCUS RUBRA (RED OAK), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	6	3		3		
Δ * A2007620	TREE, TAXODIUM DISTICHUM (COMMON BALD CYPRESS), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	4	4				
Δ * B2001616	TREE, CRATAEGUS CRUSGALLI INERMIS (THORN LESS COCKSPUR HAWTHORN), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	7	7				
Δ * B2001116	TREE, CERCIS CANADENSIS (EASTERN REDBUD) 2" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	12	9		3		

* SEE SPECIAL PROVISIONS

Δ SPECIALTY ITEMS

CUMMINS ENGINEERING CORPORATION

JOB # 2192	DESIGNED - NAK	REVISED -
FILE NAME = 2192S00.dgn	DRAWN - AJH	REVISED -
PLOT SCALE = 100.0000' / IN.	CHECKED - NAK	REVISED -
PLOT DATE = 1/11/2010	DATE - 3/13/2009	REVISED -

SANGAMON VALLEY TRAIL

SUMMARY OF QUANTITIES

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00173-00-BT	SANGAMON	173	4
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO.	

LOCATION OF WORK				SANGAMON VALLEY TRAIL	STUART PARK CONNECTOR	CENTENNIAL PARK & STUART PARK	STRUCTURES	STRUCTURES
				STA 917+16.90 TO STA 1207+75	STA 5999+92.48 TO STA 6015+29.93	PARKING LOT, CONNECTORS, EXISTING STUART PARK PATH	SVT OVER OLD JACKSONVILLE RD, WASHINGTON ST & JEFFERSON ST,	SVT OVER SPRING CREEK & SPRING CREEK TRIBUTARY
SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE				
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	Y047	Y047	Y047	Y047	Y047
△ *	B2004116	TREE, MALUS PRAIRIFIRE (PRAIRIFIRE CRABAPPLE), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	12	6		6	
△ *	C2003272	SHRUB, HAMAMELIS VERNALIS (VERNAL WITCH HAZEL), 6' HEIGHT, BALLED AND BURLAPPED	EACH	3	3			
*	X0321158	PARK BENCHES	EACH	7	3		4	
△ *	X0322508	PEDESTRIAN TRUSS SUPERSTRUCTURE	SQ FT	1,205			1,205	
*	X0323378	CONCRETE PARKING BLOCKS	EACH	24			24	
*	X0324744	REMOVAL OF EXISTING PRECAST CONCRETE UNITS	SQ FT	7,677			7,677	
△ *	B2000770	TREE, AMELANCHIER X GRANDIFLORA AUTUMN BRILLIANCE (AUTUMN BRILLIANCE SERVICE BERRY), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	6	6			
*	XX001011	BICYCLE RACKS	EACH	7	3		4	
*	XX003155	REMOVAL OF EXISTING SUBSTRUCTURE	L SUM	1			1	
*	XX006785	TIMBER BICYCLE RAILING	FOOT	3,208	2,348	860		
△ *	A2001820	TREE, ACER SACCHARUM GREEN MOUNTAIN (GREEN MOUNTAIN SUGAR MAPLE), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	4	3		1	
*	Z0032300	JACKING EXISTING SUPERSTRUCTURE	L SUM	1			1	
*	XX008340	TIMBER BRIDGE APPROACH RAILING	FOOT	320	320			
	54208405	PIPE CULVERTS, CLASS D, TYPE 3 EQUIVALENT ROUND-SIZE 120"	FOOT	115	115			
*	XX008341	BRIDGE FENCE RAILING (SPECIAL)	SQ FT	3,132			3,132	
*	XX008342	REMOVAL OF EXISTING TIMBER MATERIALS - LOCATION 1	L SUM	1				1
*	XX008343	REMOVAL OF EXISTING TIMBER MATERIALS - LOCATION 2	L SUM	1			1	
*	XX008344	RAIL ANCHOR ASSEMBLIES	EACH	18				18
*	X0350800	BOLLARD	EACH	22	22			
*	XX009309	BOLLARDS, QUICK RELEASE	EACH	11	11			
*	XX008345	MILE MARKERS	EACH	6	6			
△ *	K1005421	SEEDING, SPECIAL	ACRE	4.4	3.3	0.8	0.3	
△ *	K1004572	PRAIRIE SEEDING, SPECIAL	ACRE	6.5	6.5			
*	XX006670	TRAIL HEAD SIGN, COMPLETE	EACH	5	3		2	

4A

• SEE SPECIAL PROVISIONS △ SPECIALTY ITEMS

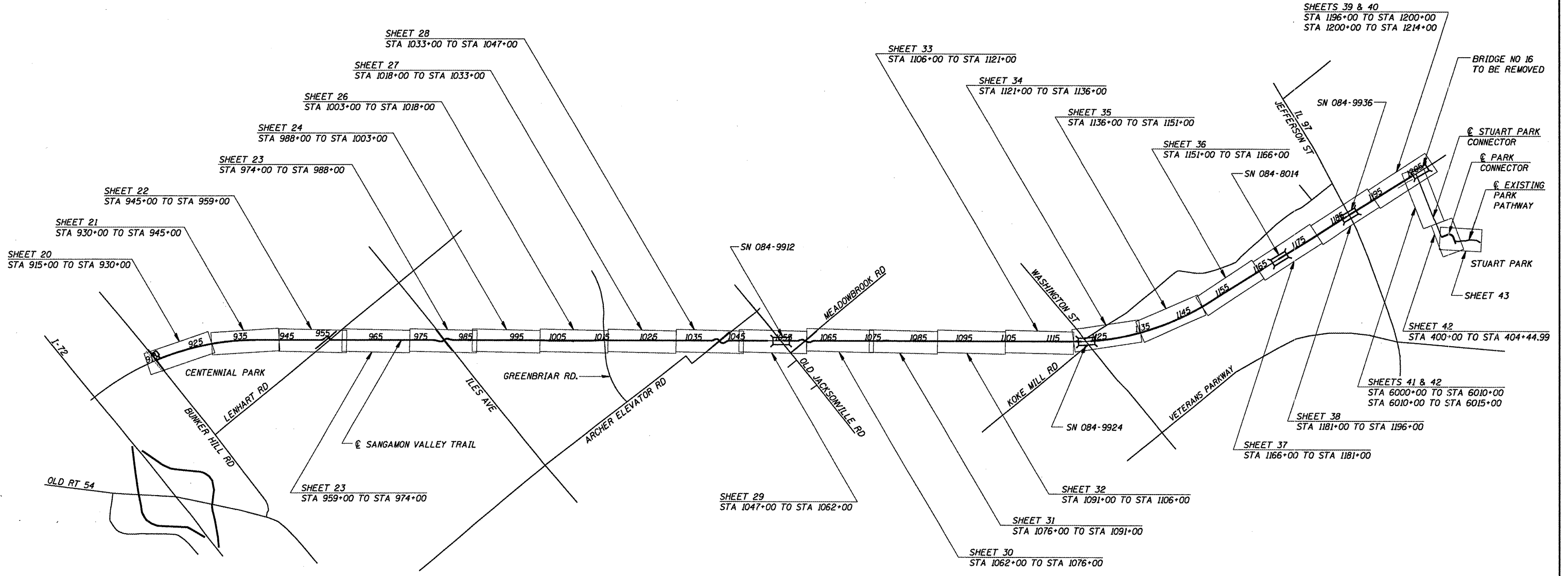
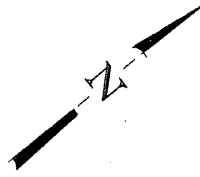
CUMMINS ENGINEERING CORPORATION

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FILE NAME = 2192500.dgn	DRAWN - AJH	REVISED -
PLOT SCALE = 100.0000' / IN.	CHECKED - NAK	REVISED -
PLOT DATE = 6/9/2009	DATE - 3/13/2009	REVISED -

SANGAMON VALLEY TRAIL

SUMMARY OF QUANTITIES

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00173-00-BT	SANGAMON	173	4A
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		CONTRACT NO.
				08529



**CUMMINS
ENGINEERING
CORPORATION**

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FILE NAME = 2192keymap.dgn	DRAWN - AJH	REVISED -
PLOT SCALE = 228.000' / IN.	CHECKED - NAK	REVISED -
PLOT DATE = 6/5/2009	DATE - 1/21/2009	REVISED -

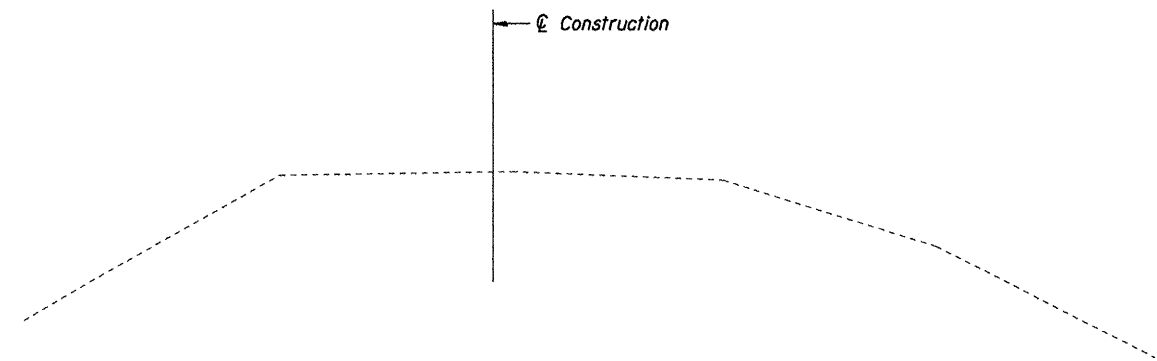
SANGAMON VALLEY TRAIL

KEY MAP

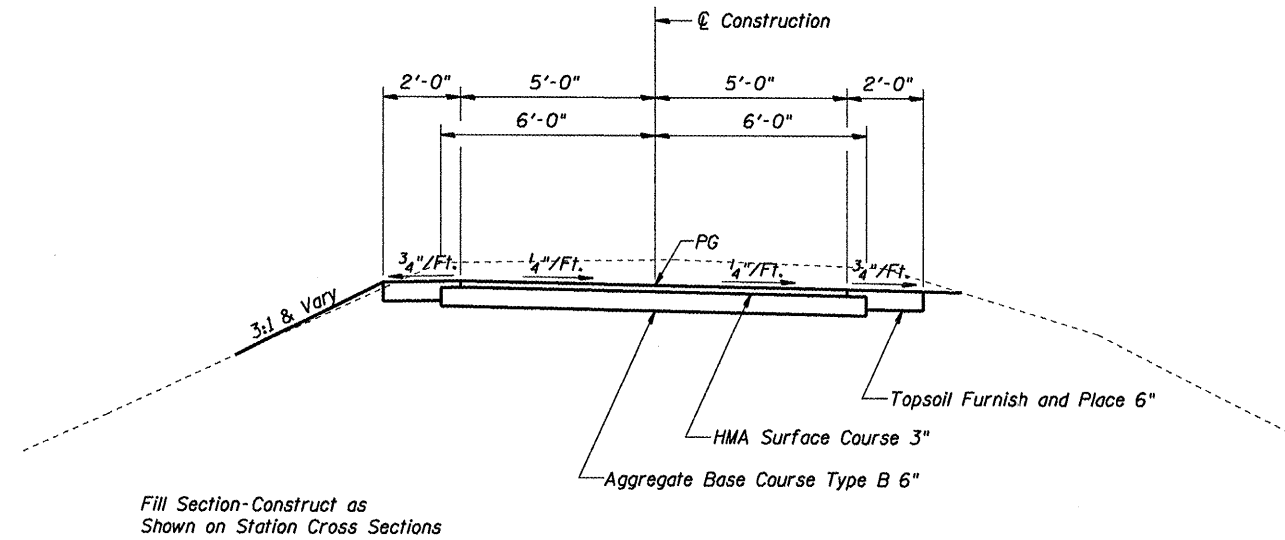
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00173-00-BT	SANGAMON	173	5
CONTRACT NO.				

FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

93522



EXISTING TYPICAL CROSS SECTION



PROPOSED TYPICAL CROSS SECTION

OMISSIONS

STA 955+12.25	TO STA 955+68.20	HEDLEY
STA 956+25.80	TO STA 956+47.90	LENHART RD.
STA 981+59.70	TO STA 981+83.20	ILES AVE
STA 1016+82.75	TO STA 1016+86.65	SIDEWALK
STA 1017+01.70	TO STA 1017+41.90	GREENBRIAR RD
STA 1017+56.90	TO STA 1017+60.90	SIDEWALK
STA 1042+66.10	TO STA 1042+88.91	ARCHER ELEVATOR RD
STA 1053+25.50	TO STA 1056+81.50	SN 084-9912 OLD JACKSONVILLE RD
STA 1061+65.20	TO STA 1061+85.30	MEADOWBROOK RD
STA 1122+77.83	TO STA 1124+78.17	SN 084-9924 WASHINGTON ST
STA 1167+54.50	TO STA 1171+05.75	SN 084-8014 SPRING CREEK
STA 1188+75.68	TO STA 1189+22.01	SN 084-9936 JEFFERSON ST

SANGAMON VALLEY TRAIL

STA 917+26.90	TO STA 932+00.00
STA 934+00.00	TO STA 945+00.00
STA 951+00.00	TO STA 954+26.60
STA 955+68.20	TO STA 957+25.74 BK
STA 956+87.17 AH	TO STA 980+68.19
STA 981+83.20	TO STA 983+59.87
STA 984+24.22	TO STA 1003+81.29
STA 1016+00.00	TO STA 1016+82.75
STA 1016+86.65	TO STA 1017+01.70
STA 1017+41.90	TO STA 1017+56.90
STA 1017+60.90	TO STA 1018+00.00
STA 1020+50.00	TO STA 1026+00.00
STA 1026+00.00	TO STA 1030+00.00
STA 1030+00.00	TO STA 1040+78.59
STA 1041+39.51	TO STA 1042+66.10
STA 1044+15.78	TO STA 1045+27.44 BK
LT STA 1044+78.05 AH	TO STA 1053+04.35
STA 1057+01.75	TO STA 1059+61.45
STA 1060+55.94	TO STA 1061+65.20
STA 1063+43.57	TO STA 1063+86.07 BK
STA 1063+64.86 AH	TO STA 1078+50.00
STA 1081+00.00	TO STA 1083+50.00
STA 1085+50.00	TO STA 1104+00.00
STA 1106+50.00	TO STA 1110+50.00
STA 1112+00.00	TO STA 1119+25.00
STA 1120+25.00	TO STA 1120+58.38
STA 1153+21.58	TO STA 1166+91.20
STA 1171+25.75	TO STA 1184+50.00
STA 1189+42.01	TO STA 1200+00.00

CONNECTORS

LT STA 918+00 (PARKING LOT)
 LT STA 1027+81 (OAK PARK ESTATES)
 LT STA 1089+10.5 (BUCKLEY RIDGE ESTATES)

CUMMINS ENGINEERING CORPORATION

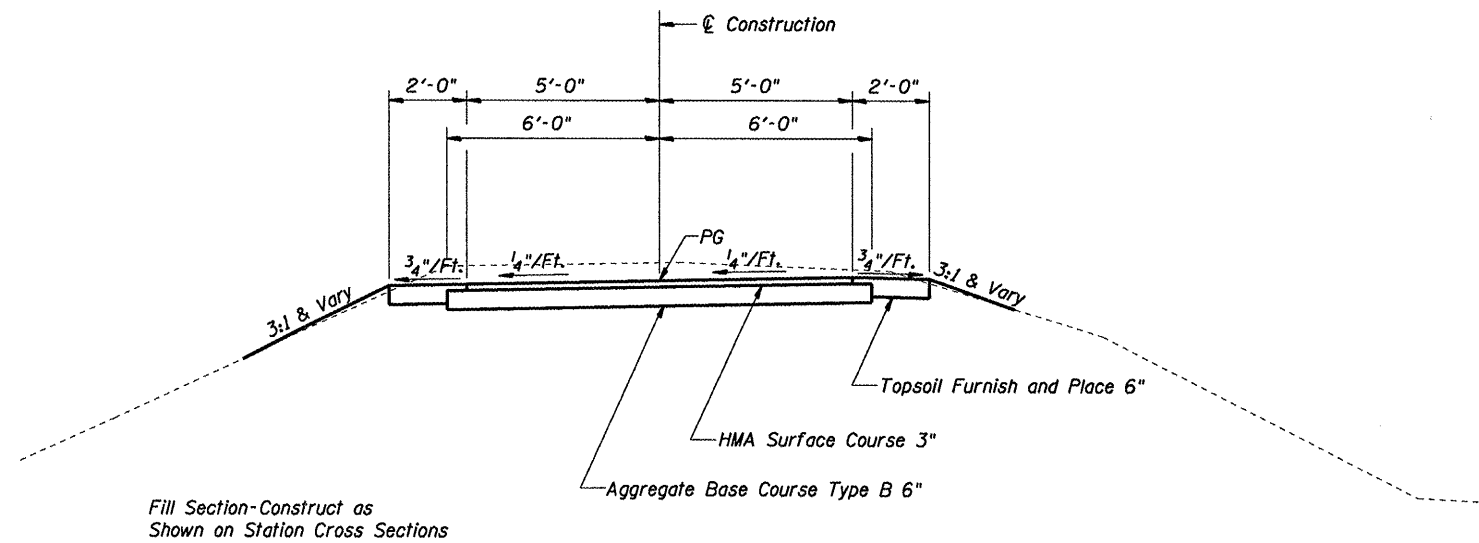
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PLOT DATE = 6/5/2009	DATE - 1/21/2009	REVISED

SANGAMON VALLEY TRAIL

TYPICAL CROSS SECTIONS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00173-00-BT	SANGAMON	173	6
CONTRACT NO.				
93522				

FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

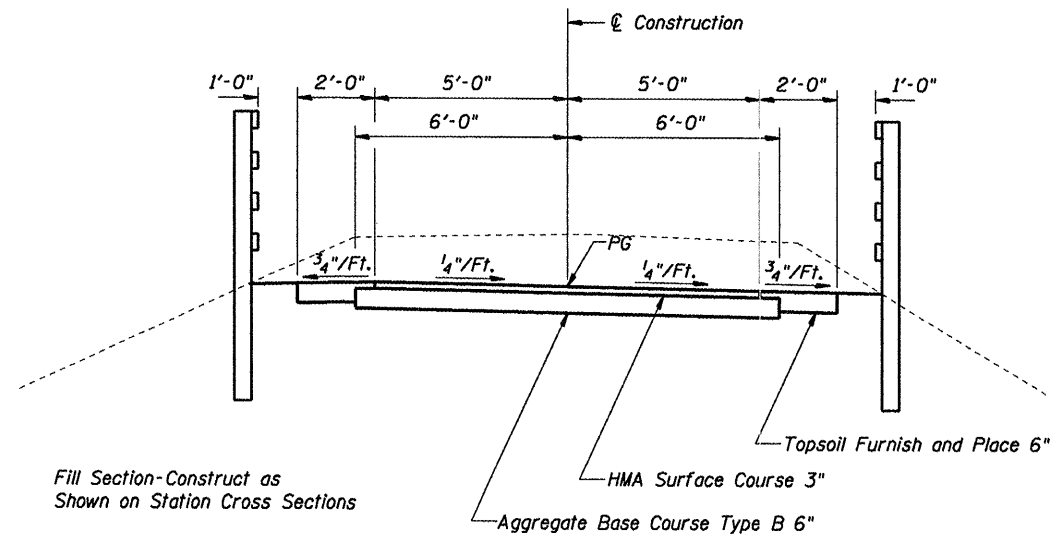


Fill Section-Construct as Shown on Station Cross Sections

PROPOSED TYPICAL CROSS SECTION

SANGAMON VALLEY TRAIL

STA 954+07.85	TO STA 955+07.57
STA 956+63.01	TO STA 956+87.17 AH
STA 980+49.44	TO STA 981+59.70
STA 983+41.12	TO STA 984+24.22 AH
STA 1003+81.29	TO STA 1004+50.00
STA 1040+59.84	TO STA 1041+39.51
STA 1042+88.91	TO STA 1044+40.78
STA 1059+61.45	TO STA 1060+55.94
STA 1061+85.30	TO STA 1063+43.57
STA 1120+58.38	TO STA 1121+00.00
STA 1124+98.17	TO STA 1126+25.00
STA 1128+50.00	TO STA 1153+21.88

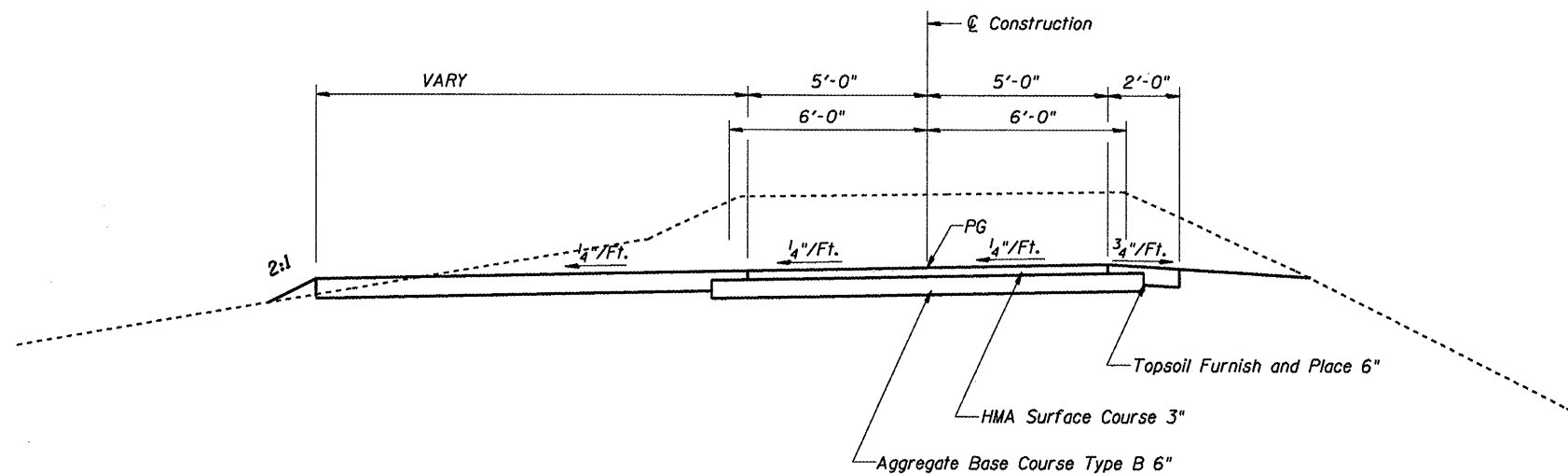


Fill Section-Construct as Shown on Station Cross Sections

PROPOSED TYPICAL CROSS SECTION

SANGAMON VALLEY TRAIL

STA 932+00.00	TO STA 933+00.00
RT STA 1026+00.00	TO STA 1030+00.00
STA 1053+04.35	TO STA 1053+25.50
STA 1056+81.50	TO STA 1057+01.75
STA 1110+50.00	TO STA 1112+00.00
STA 1119+25.00	TO STA 1120+25.00
STA 1166+91.40	TO STA 1167+11.40
STA 1171+05.75	TO STA 1171+25.75
STA 1188+55.68	TO STA 1188+75.68
STA 1189+22.01	TO STA 1189+42.01
STA 1205+75.00	TO STA 1207+25.00



SHOULDER TRANSITIONS
 2' STA 1121+00.00 TO 10' STA 1121+50.00
 10' STA 1122+00.00 TO 2' STA 1122+50.00

PROPOSED TYPICAL CROSS SECTION

SANGAMON VALLEY TRAIL
 STA 1121+00 TO STA 1122+50

CUMMINS
 ENGINEERING
 CORPORATION

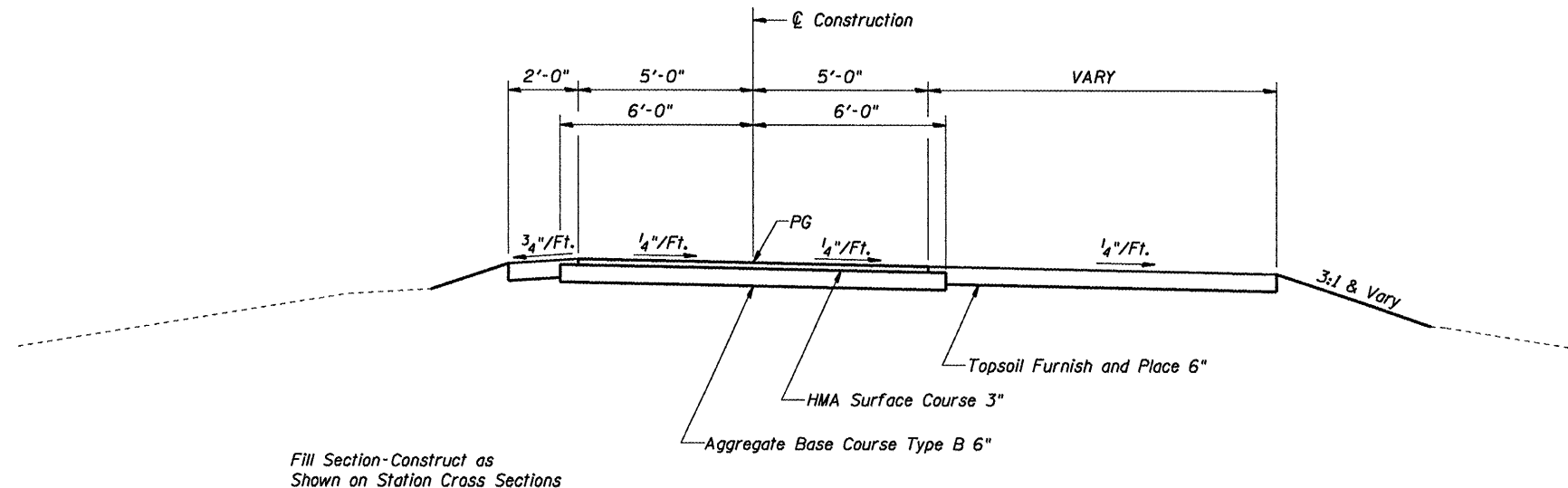
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DESIGNED - NAK	REVISED
DRAWN - AJH	REVISED
CHECKED - NAK	REVISED
DATE - 1/21/2009	REVISED

SANGAMON VALLEY TRAIL

TYPICAL CROSS SECTIONS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00173-00-BT	SANGAMON	173	7
CONTRACT NO.			9352	
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			



Fill Section-Construct as Shown on Station Cross Sections

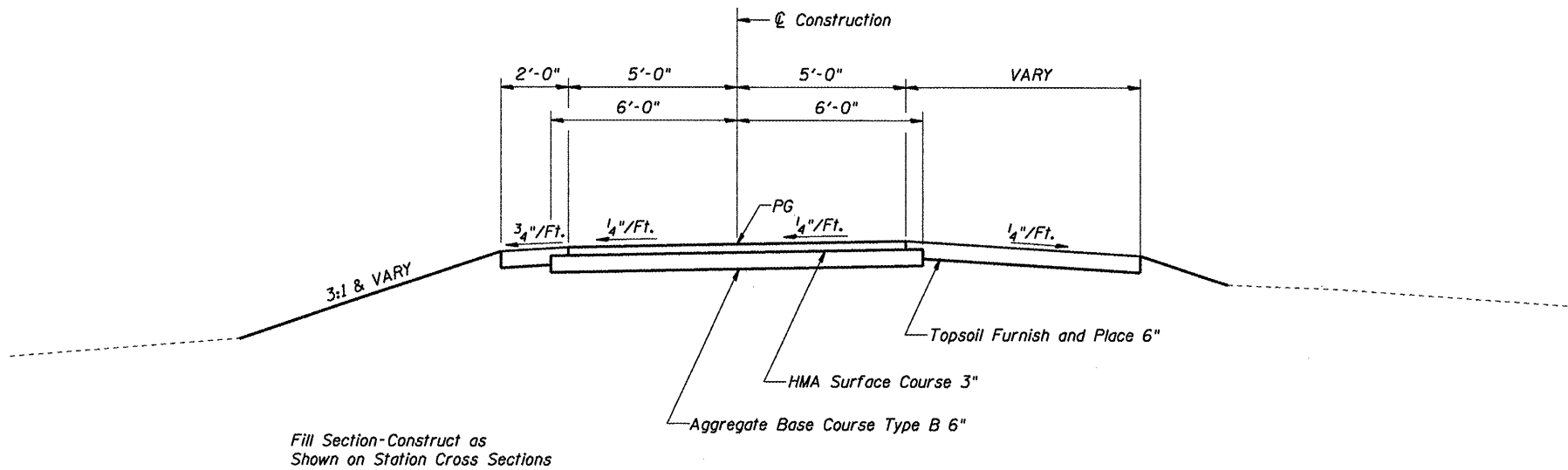
PROPOSED TYPICAL CROSS SECTION

SANGAMON VALLEY TRAIL

STA 945+00.00	TO STA 951+00.00
STA 1005+18.90	TO STA 1013+81.27
STA 1015+18.87	TO STA 1016+00.00
STA 1018+00.00	TO STA 1020+50.00
STA 1083+50.00	TO STA 1085+50.00
STA 1104+00.00	TO STA 1106+50.00
STA 1184+50.00	TO STA 1188+55.68

SHOULDER TRANSITIONS

2' STA 945+00.00	TO 12' STA 945+50.00
12' STA 950+50.00	TO 2' STA 951+00.00
10' STA 1015+50	TO 2' STA 1016+00.00
2' STA 1018+00.00	TO 12' STA 1018+50.00
12' STA 1020+00.00	TO 2' STA 1020+50.00
2' STA 1083+50.00	TO 12' STA 1084+00.00
12' STA 1085+00.00	TO 2' STA 1085+50.00
2' STA 1104+00.00	TO 12' STA 1104+50.00
12' STA 1106+00.00	TO 2' STA 1106+50.00



Fill Section-Construct as Shown on Station Cross Sections

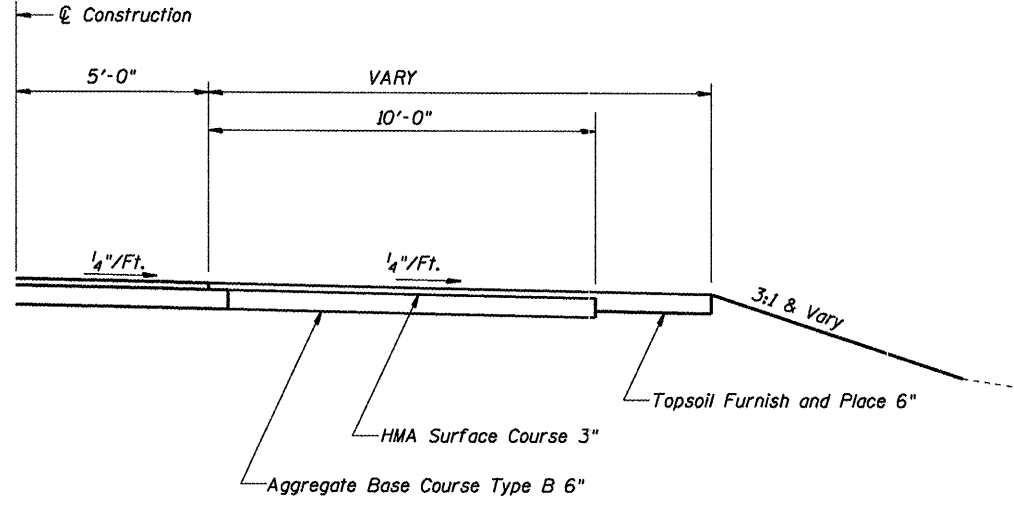
PROPOSED TYPICAL CROSS SECTION

SANGAMON VALLEY TRAIL

STA 1004+50.00	TO STA 1005+18.90
STA 1013+81.27	TO STA 1015+18.87

SHOULDER TRANSITION

2' STA 1004+50	TO 10' STA 1005+00
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PROPOSED TYPICAL CROSS SECTION

REST AREA PAVING

RT STA 1010+00.00	TO STA 1010+50.00
LT STA 1079+50.00	TO STA 1080+00.00
LT STA 1121+50.00	TO STA 1122+00.00

CUMMINS ENGINEERING CORPORATION

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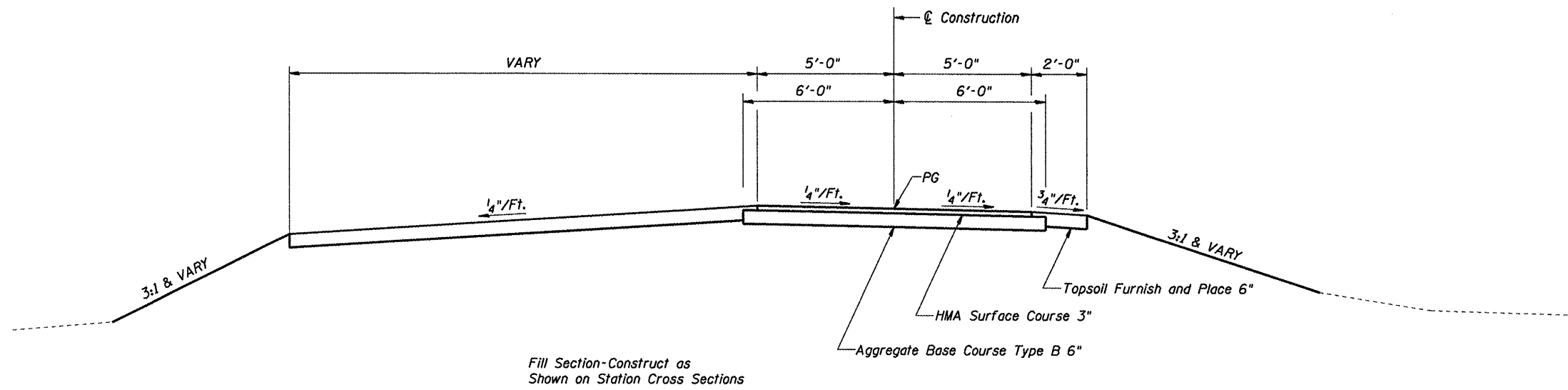
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DATE - 1/21/2009	REVISED

SANGAMON VALLEY TRAIL

TYPICAL CROSS SECTIONS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00173-00-BT	SANGAMON	173	8
CONTRACT NO.				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

93522

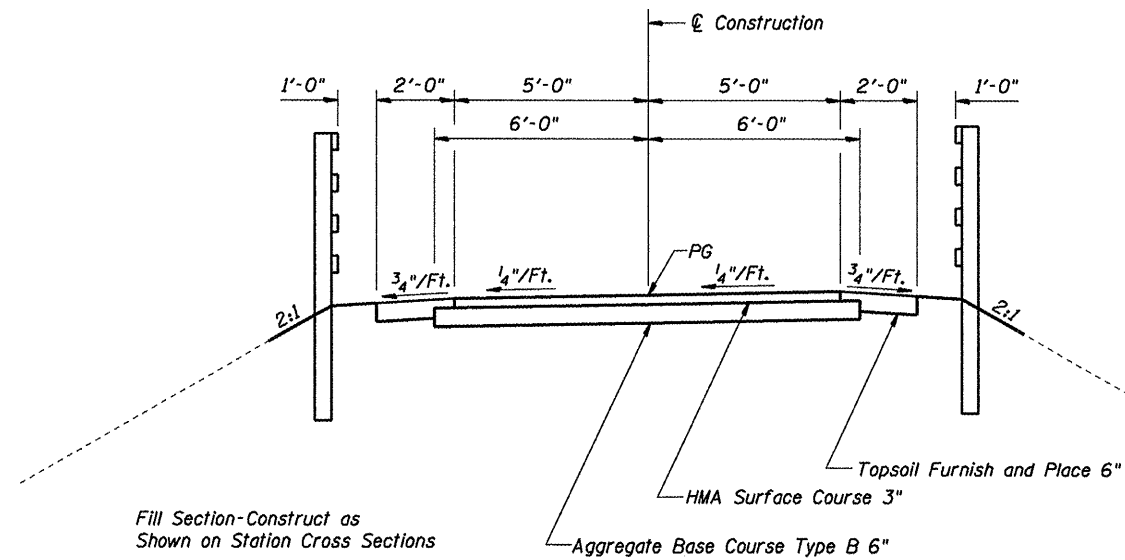


Fill Section-Construct as Shown on Station Cross Sections

PROPOSED TYPICAL CROSS SECTION

SANGAMON VALLEY TRAIL
 STA 1078+50.00 TO STA 1081+00.00
 STA 1121+00.00 TO STA 1122+57.83

SHOULDER TRANSITION
 2' STA 1078+50 TO 17' STA 1079+00
 17' STA 1080+50 TO 2' STA 1081+00

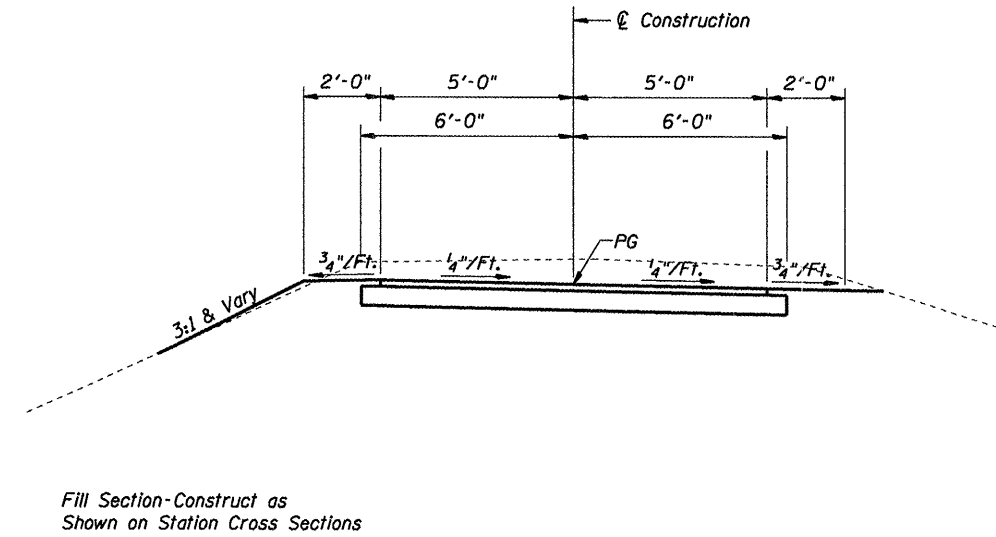


Fill Section-Construct as Shown on Station Cross Sections

PROPOSED TYPICAL CROSS SECTION

SANGAMON VALLEY TRAIL
 STA 1122+57.83 TO STA 1122+77.83
 STA 1124+78.17 TO STA 1124+98.17

SHOULDER TRANSITION
 2' STA 1121+00 TO 12' STA 1121+50
 12' STA 1122+00 TO 2' STA 1122+50



Fill Section-Construct as Shown on Station Cross Sections

PROPOSED TYPICAL CROSS SECTION

SANGAMON VALLEY TRAIL
 STA 1200+00 TO STA 1207+50

CUMMINS
 ENGINEERING
 CORPORATION

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 PLOT DATE = 6/5/2009

DESIGNED - NAK
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 DATE - 1/21/2009

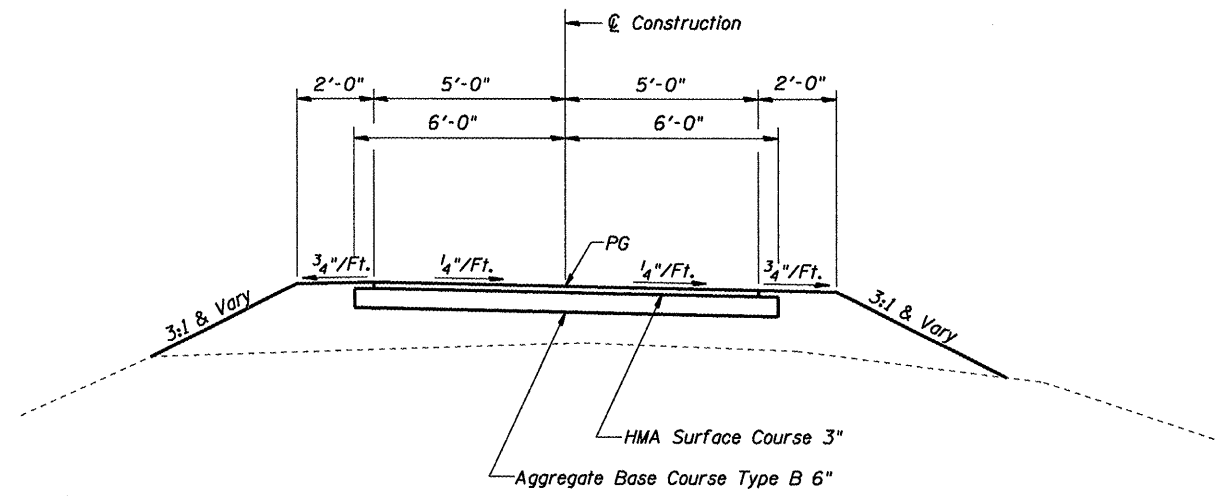
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SANGAMON VALLEY TRAIL

TYPICAL CROSS SECTIONS

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CONTRACT NO.				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

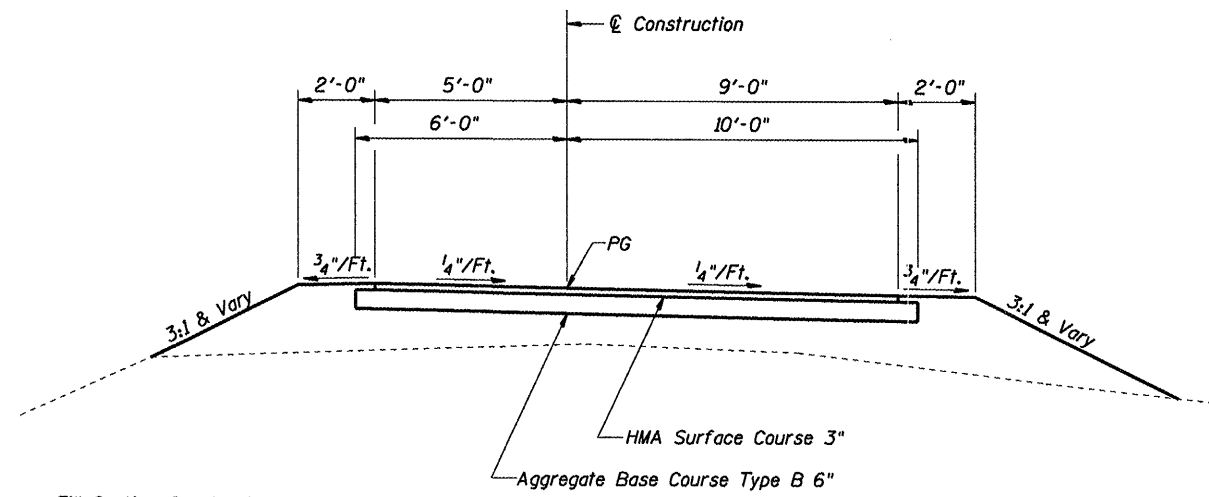
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Fill Section-Construct as Shown on Station Cross Sections

PROPOSED TYPICAL CROSS SECTION

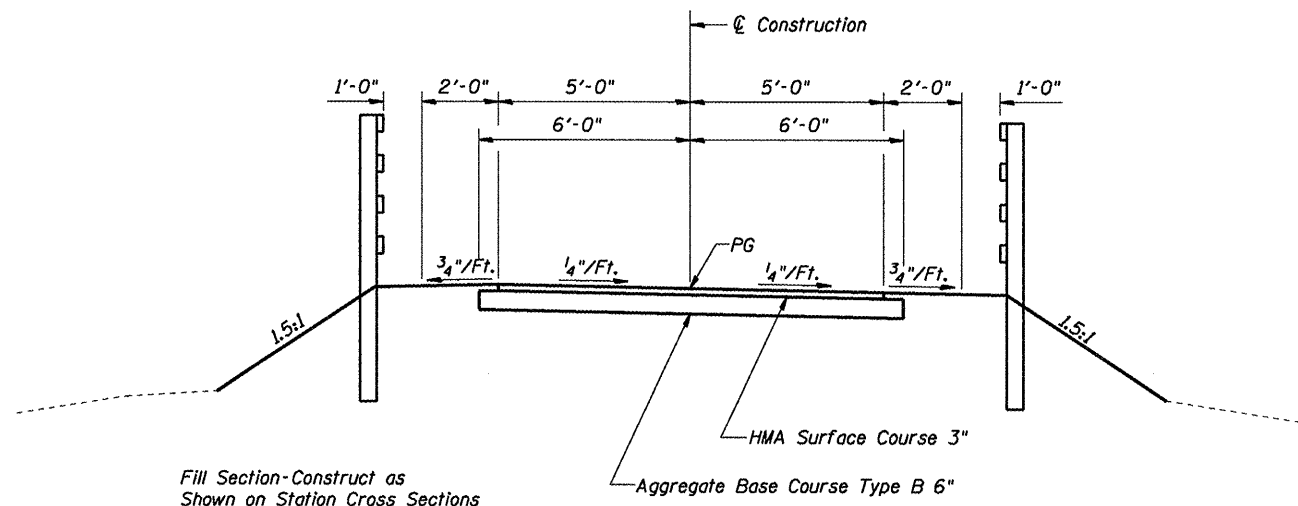
STUART PARK CONNECTOR
STA 6003+00.00 TO STA 6015+29.93



Fill Section-Construct as Shown on Station Cross Sections

PROPOSED TYPICAL CROSS SECTION

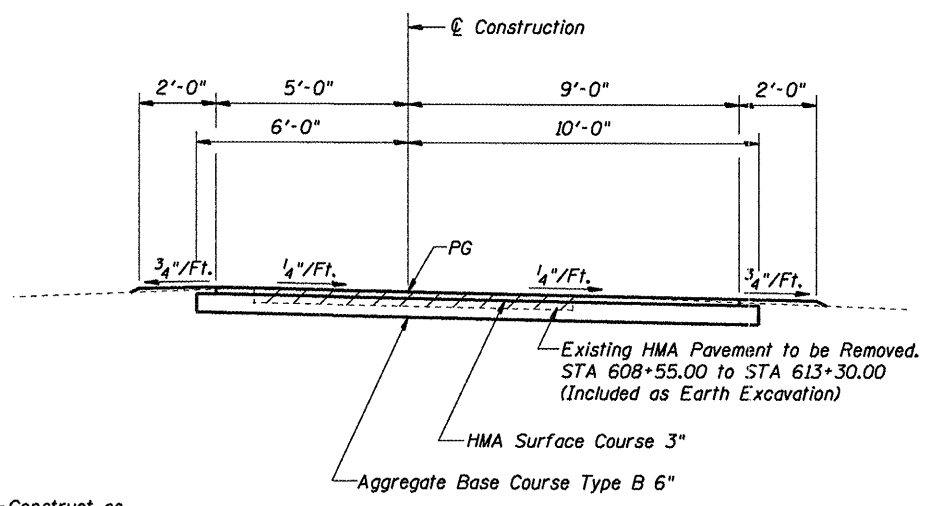
PARK CONNECTOR
STA 400+00.00 TO STA 404+44.99



Fill Section-Construct as Shown on Station Cross Sections

PROPOSED TYPICAL CROSS SECTION

STUART PARK CONNECTOR
STA 5999+87.48 TO STA 6003+00.00



Fill Section-Construct as Shown on Station Cross Sections

PROPOSED TYPICAL CROSS SECTION

EXISTING STUART PARK PATH
STA 608+55.00 TO STA 614+00.00

CUMMINS ENGINEERING CORPORATION	JOB = 2192	DESIGNED - NAK	REVISED	SANGAMON VALLEY TRAIL	TYPICAL CROSS SECTIONS	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	PLOT DATE = 6/5/2009	DATE - 1/21/2009	REVISED			FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	93522		

TREE REMOVAL ACRES	
LOCATION	ACRE
SANGAMON VALLEY TRAIL	
LT STA 1085+85 TO STA 1086+35	0.1
PARK CONNECTOR	
RT STA. 400+20 TO STA. 401+60	0.05
LT STA. 400+20 TO STA. 401+60	0.05
TOTAL	0.20

EARTHWORK

LOCATION	EXCAVATION	EXCAVATION ADJUSTED FOR SHRINKAGE	EMBANKMENT	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)
	CU YD	CU YD	CU YD	CU YD
PARKING LOT				
STA 9+13 TO STA 11+76.90	10	8	30	-22
SANGAMON VALLEY TRAIL				
STA 917+27.90 TO STA 930+00.00	1050	788	4	784
STA 930+00.00 TO STA 945+00.00	969	727	39	688
STA 945+00.00 TO STA 955+12.25	537	403	569	-166
STA 955+68.20 TO STA 956+25.80	19	14	0	14
STA 956+47.90 TO STA 959+00.00	283	212	45	167
STA 959+00.00 TO STA 974+00.00	741	556	52	504
STA 974+00.00 TO STA 981+59.70	217	163	183	-20
STA 981+83.20 TO STA 988+00.00	128	96	153	-57
STA 988+00.00 TO STA 1003+00.00	505	379	184	195
STA 1003+00.00 TO STA 1016+82.75	242	182	316	-134
STA 1016+86.65 TO STA 1017+01.70	5	4	0	4
STA 1017+41.90 TO STA 1017+56.90	5	4	0	4
STA 1017+60.90 TO STA 1018+00.00	5	4	3	1
STA 1018+00.00 TO STA 1033+00.00	161	121	245	-124
STA 1033+00.00 TO STA 1042+66.10	333	250	7	243
STA 1042+88.90 TO STA 1047+00.00	258	194	0	194
STA 1047+00.00 TO STA 1053+25.50	425	319	0	319
STA 1056+81.50 TO STA 1061+65.20	388	291	5	286
STA 1061+85.30 TO STA 1062+00.00	5	4	0	4
STA 1062+00.00 TO STA 1076+00.00	870	653	44	609
STA 1076+00.00 TO STA 1091+00.00	333	250	833	-583
STA 1091+00.00 TO STA 1106+00.00	683	512	410	102
STA 1106+00.00 TO STA 1121+00.00	1,435	1076	44	1032
STA 1121+00.00 TO STA 1122+77.83	303	227	1	226
STA 1124+78.17 TO STA 1136+00.00	748	561	156	405
STA 1136+00.00 TO STA 1151+00.00	370	278	579	-301
STA 1151+00.00 TO STA 1166+00.00	572	429	257	172
STA 1166+00.00 TO STA 1167+07.39	20	15	14	1
STA 1171+07.06 TO STA 1181+00.00	446	335	74	261
STA 1181+00.00 TO STA 1188+75.68	277	208	434	-226
STA 1189+22.01 TO STA 1196+00.00	147	110	154	-44
STA 1196+00.00 TO STA 1200+00.00	198	149	31	118
STA 1200+00.00 TO STA 1207+75.00	3,767	2825	4,526	-1701
CONNECTOR				
LT STA 1027+81	0	0	50	-50
LT STA 1089+10.5	0	0	300	-300
STUART PARK CONNECTOR				
STA 6000+25.00 TO STA 6015+29.93	40	30	5,320	-5290
PARK CONNECTOR				
STA 400+50.00 TO STA 404+00.00	60	45	283	-238
EXISTING STUART PARK PATHWAY				
STA 608+50.00 TO STA 614+02.00	245	184	40	144
TOTAL	16,800	12,610	15,390	-2780

TOPSOIL, FURNISH AND PLACE 6"

LOCATION	SQ YD
STA 917+27.90 TO STA 930+00.00	665.32
STA 930+00.00 TO STA 945+00.00	666.60
STA 945+00.00 TO STA 955+12.25	1,005.45
STA 955+68.20 TO STA 956+25.80	1,005.45
STA 956+47.90 TO STA 959+00.00	112.04
STA 959+00.00 TO STA 974+00.00	666.61
STA 974+00.00 TO STA 981+59.00	337.30
STA 981+83.20 TO STA 988+00.00	274.12
STA 988+00.00 TO STA 1003+00.00	666.61
STA 1003+00.00 TO STA 1016+83.00	1,592.41
STA 1016+86.65 TO STA 1017+01.70	6.69
STA 1017+41.90 TO STA 1017+56.90	6.67
STA 1017+60.00 TO STA 1018+00.00	17.78
STA 1018+00.00 TO STA 1033+00.00	916.62
STA 1033+00.00 TO STA 1042+66.10	429.35
STA 1042+88.90 TO STA 1047+00.00	182.70
STA 1047+00.00 TO STA 1053+24.30	277.44
STA 1056+81.75 TO STA 1061+65.20	214.85
STA 1061+85.30 TO STA 1062+00.00	6.53
STA 1062+00.00 TO STA 1076+00.00	622.17
STA 1076+00.00 TO STA 1091+00.00	1,222.19
STA 1091+00.00 TO STA 1106+00.00	861.05
STA 1106+00.00 TO STA 1121+00.00	749.94
STA 1121+00.00 TO STA 1122+73.90	188.40
STA 1124+75.50 TO STA 1136+00.00	499.73
STA 1136+00.00 TO STA 1151+00.00	666.60
STA 1151+00.00 TO STA 1166+00.00	666.60
STA 1166+00.00 TO STA 1167+54.50	68.66
STA 1171+05.75 TO STA 1181+00.00	441.84
STA 1181+00.00 TO STA 1188+78.00	776.33
STA 1189+20.00 TO STA 1196+00.00	302.20
STA 1196+00.00 TO STA 1200+00.00	177.75
TOTAL	16,194.00

STONE RIPRAP, CLASS A4 (SPECIAL)

LOCATION	TON
SVT	
LT. STA. 1206+40	37
RT. STA. 1206+10	37
SN 084-9912	40
STUART PARK CONNECTOR	
RT. STA. 6001+88	16
PARK CONNECTOR	
LT. STA. 402+63	16
TOTAL	146

CULVERT SCHEDULE

LOCATION	TYPE	PIPE CULVERTS	PIPE CULVERTS	PIPE CULVERTS	STEEL END SECTIONS 12"	STEEL END SECTIONS 18"
		TYPE III CS CP EQRS 120" FOOT	CLASS D TYPE I 12" FOOT	CLASS D TYPE I 18" FOOT		
SVT						
STA 1027+80	AR			32		
STA 1206+25	AR	115				
STUART PARK CONNECTOR						
STA 6001+88	AR			50		2
STA 6009+93	AR		5 @ 19'		10	
PARK CONNECTOR						
STA 400+15	AR		2 @ 23'		4	
STA 402+63	AR			45		2
TOTAL		115	141	127	14	4

CUMMINS ENGINEERING CORPORATION

JOB = 2192	DESIGNED - NAK	REVISED -
FILE NAME = 2192schedule.dgn	DRAWN - AJH	REVISED -
PLOT SCALE = 100.0000' / IN.	CHECKED - NAK	REVISED -
PLOT DATE = 6/8/2009	DATE - 3/11/2009	REVISED -

SANGAMON VALLEY TRAIL

SCHEDULE OF QUANTITIES

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00173-00-BT	SANGAMON	173	11
CONTRACT NO.			08529	
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				

AGGREGATE BASE COURSE TYPE A

Table with columns: LOCATION, TON. Includes rows for PARKING LOT/CENTENNIAL CONNECTOR and SANGAMON VALLEY TRAIL.

REST AREAS

Table with columns: LOCATION, TON. Includes rows for RT STA 1010+00.00 TO STA 1010+50.00.

CONNECTOR TRAIL

Table with columns: LOCATION, TON. Includes rows for LT STA 1089+10.5 and LT STA 1027+81.

STUART PARK CONNECTOR

Table with columns: LOCATION, TON. Includes row for STA 5999+87.00 STA 6015+29.93.

PARK CONNECTOR

Table with columns: LOCATION, TON. Includes row for STA 400+05.00 STA 404+44.99.

EXISTING STUART PARK PATHWAY

Table with columns: LOCATION, TON. Includes row for STA 613+30.00 STA 614+02.00.

TOTAL row for AGGREGATE BASE COURSE TYPE A.

BITUMINOUS MATERIALS (PRIME COAT)

Table with columns: LOCATION, GALLON. Includes rows for PARKING LOT/CENTENNIAL CONNECTOR and SANGAMON VALLEY TRAIL.

REST AREAS

Table with columns: LOCATION, GALLON. Includes rows for RT STA 1010+00.00 TO STA 1010+50.00.

CONNECTOR TRAIL

Table with columns: LOCATION, GALLON. Includes rows for LT STA 1089+10.5 and LT STA 1027+81.

STUART PARK CONNECTOR

Table with columns: LOCATION, GALLON. Includes row for STA 5999+87.48 STA 6015+29.93.

PARK CONNECTOR

Table with columns: LOCATION, GALLON. Includes row for STA 400+00.00 STA 404+44.99.

EXISTING STUART PARK PATHWAY

Table with columns: LOCATION, GALLON. Includes row for STA 608+55.00 STA 614+00.00.

TOTAL row for BITUMINOUS MATERIALS (PRIME COAT).

HOT-MIX ASPHALT BINDER COURSE

Table with columns: LOCATION, TON. Includes rows for PARKING LOT/CENTENNIAL CONNECTOR and TOTAL.

HOT-MIX ASPHALT SURFACE COURSE

Table with columns: LOCATION, TON. Includes rows for PARKING LOT/CENTENNIAL CONNECTOR and SANGAMON VALLEY TRAIL.

REST AREAS

Table with columns: LOCATION, TON. Includes rows for RT STA 1010+00.00 TO STA 1010+50.00.

CONNECTOR TRAIL

Table with columns: LOCATION, TON. Includes rows for LT STA 1089+10.5 and LT STA 1027+81.

STUART PARK CONNECTOR

Table with columns: LOCATION, TON. Includes row for STA 5999+87.48 STA 6015+29.93.

PARK CONNECTOR

Table with columns: LOCATION, TON. Includes row for STA 400+00.00 STA 404+44.99.

EXISTING STUART PARK PATHWAY

Table with columns: LOCATION, TON. Includes row for STA 613+30.00 STA 614+02.00.

TOTAL row for HOT-MIX ASPHALT SURFACE COURSE.

AT GRADE INTERSECTION PAVEMENT

Table with columns: LOCATION, PCC SIDEWALK 6", DETECTABLE WARNINGS. Includes rows for BUNKER HILL RD, HEDLEY RD, LENHART, etc.

TIMBER BICYCLE RAILING

Table with columns: LOCATION, FOOT. Includes rows for SANGAMON VALLEY TRAIL and STUART PARK CONNECTOR.

TIMBER BRIDGE APPROACH RAILING

Table with columns: LOCATION, FOOT. Includes rows for SANGAMON VALLEY TRAIL.

CUMMINS ENGINEERING CORPORATION

JOB = 2192
FILE NAME = 2192achedule.dgn
PLOT SCALE = 1/8" = 100.0000' / IN.
PLOT DATE = 8/8/2009

DESIGNED - NAK
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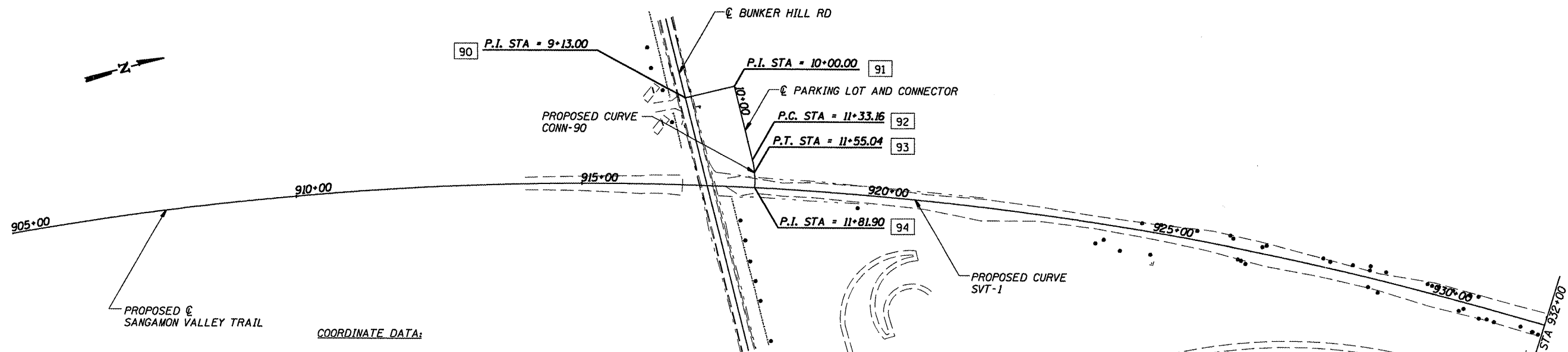
REVISED -
REVISED -
REVISED -
REVISED -

SANGAMON VALLEY TRAIL

SCHEDULE OF QUANTITIES

Table with columns: F.A.S. RTE., SECTION, COUNTY, TOTAL SHEETS, SHEET NO., CONTRACT NO., FED. ROAD DIST. NO., ILLINOIS FED. AID PROJECT.

93522



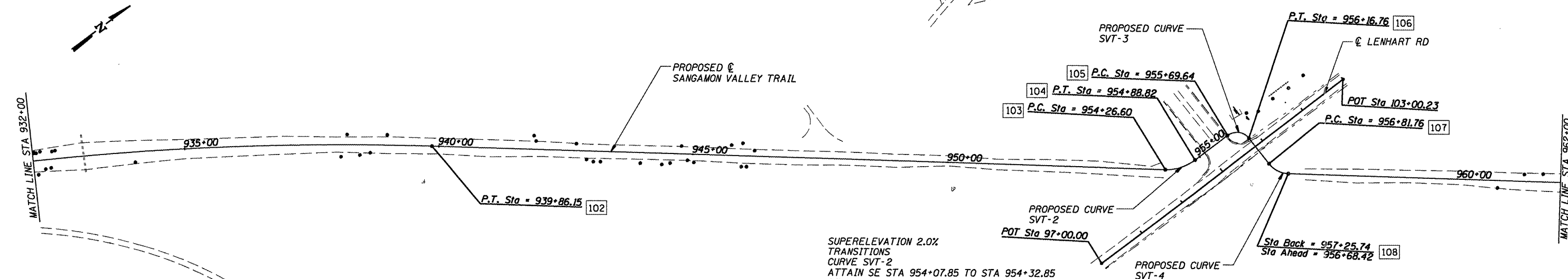
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90	N	1125373.75
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91	N	1125460.75
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92	N	1125460.39
	E	2410751.12
93	N	1125454.02
	E	24110793.95
94	N	1125452.50
	E	2410799.01

PROPOSED CURVE DATA:

CURVE CONN-90

PI STA	11+55.04
Δ	16° 35' 49"
D	38° 11' 50"
T	21.88
R	150.00
L	43.45
E	1.59
PC STA	11+33.16
PT STA	11+55.04



COORDINATE DATA:

100	N	1123676.23
	E	2410557.46
101	N	1123683.77
	E	2410557.31
102	N	1127376.39
	E	2411808.95
103	N	1128501.51
	E	2412708.39
104	N	1128559.23
	E	2412728.08
105	N	1128640.04
	E	2412726.71
106	N	1128670.54
	E	2412756.20
107	N	1128671.64
	E	2412821.19
108	N	1128690.41
	E	2412859.40

SUPERELEVATION 2.0% TRANSITIONS

CURVE SVT-2
 ATTAIN SE STA 954+07.85 TO STA 954+32.85
 REMOVE SE STA 954+82.57 TO STA 955+07.57

CURVE SVT-4
 ATTAIN SE STA 956+63.01 TO STA 956+88.01
 REMOVE SE STA 957+19.49 TO STA 956+87.17 AH

PROPOSED CURVE DATA:

CURVE SVT-1	CURVE SVT-2	CURVE SVT-3	CURVE SVT-4
PI STA 920+81.03	PI STA 954+59.01	PI STA 955+99.64	PI STA 957+05.29
Δ 39° 49' 51"	Δ 39° 36' 29"	Δ 90° 00' 00"	Δ 50° 23' 29"
D 1° 00' 04"	D 63° 39' 43"	D 190° 59' 09"	D 114° 35' 30"
T 2073.49	T 32.41	T 30.00	T 23.52
R 5723.15	R 90.00	R 30.00	R 50.00
L 3978.61	L 62.22	L 47.12	L 43.97
E 364.03	E 5.66	E 12.43	E 5.26
PC STA 900+07.54	PC STA 954+26.60	PC STA 955+69.64	PC STA 956+81.76
PT STA 939+86.15	PT STA 954+88.82	PT STA 956+16.76	PT STA 957+25.74

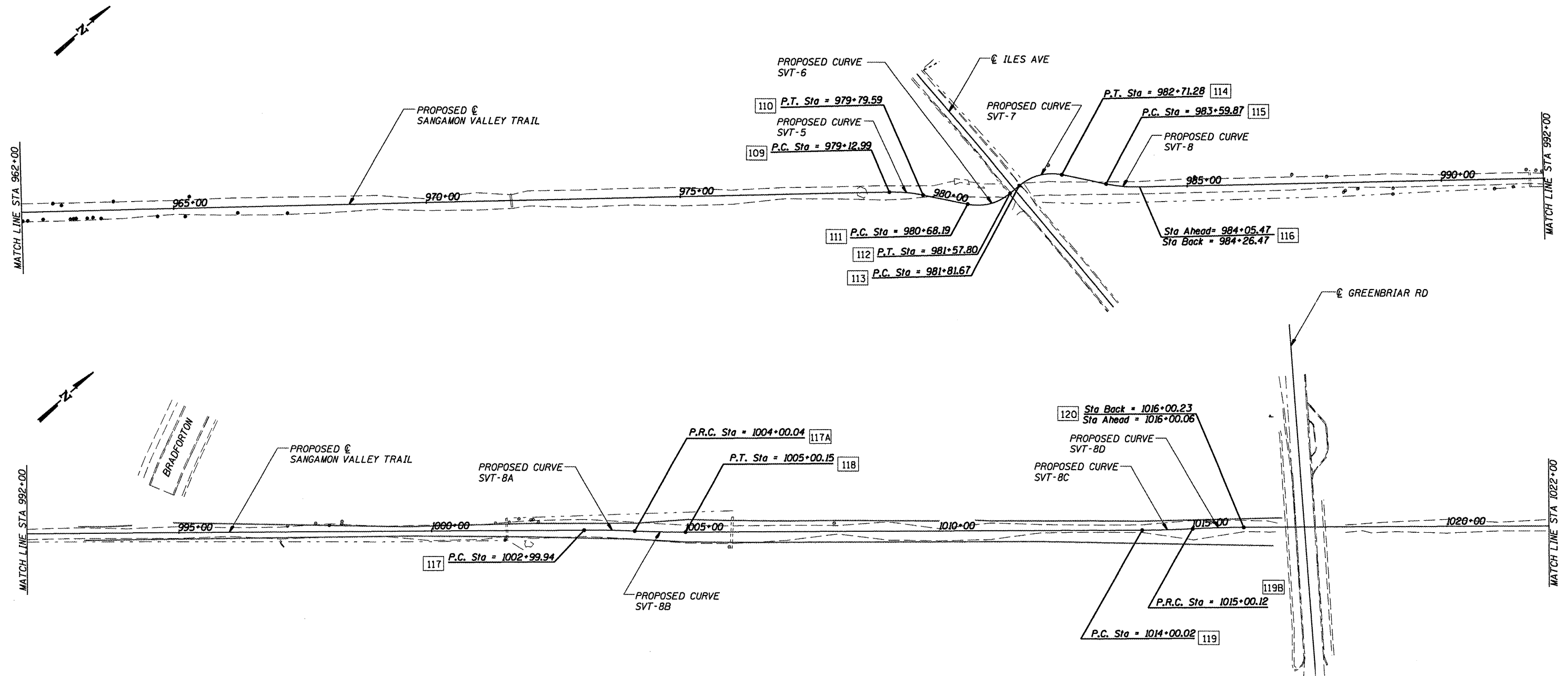
CUMMINS ENGINEERING CORPORATION

JOB = 2192	DESIGNED - NAK	REVISED -
FILE NAME = 2192e1ign.dgn	DRAWN - AJH	REVISED -
PLOT SCALE = 200.000' / IN.	CHECKED - NAK	REVISED -
PLOT DATE = 6/5/2009	DATE - 01/09/2009	REVISED -

SANGAMON VALLEY TRAIL

ALIGNMENT

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00173-00-BT	SANGAMON	173	14
CONTRACT NO.			93522	
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			



COORDINATE DATA:

109	N 1130443.62 E 2414260.96	114	N 1130725.97 E 2414452.28	118	N 1132461.22 E 2415880.29
110	N 1130490.62 E 2414307.96	115	N 1130781.29 E 2414521.48	119	N 1133164.10 E 2416442.19
111	N 1130545.94 E 2414377.16	116	N 1130828.28 E 2414568.48	119B	N 1133243.82 E 2416502.72
112	N 1130624.02 E 2414414.72	117	N 1132308.03 E 2415751.42	120	N 1133323.54 E 2416563.25
113	N 1130647.89 E 2414414.72	117A	N 1132384.62 E 2415815.86		

PROPOSED CURVE DATA:

CURVE SVT-5	CURVE SVT-6	CURVE SVT-7	CURVE SVT-8
PI STA 979+46.43	PI STA 981+16.25	PI STA 982+29.73	PI STA 983+93.31
Δ 12° 43' 09"	Δ 51° 20' 29"	Δ 51° 20' 29"	Δ 12° 43' 09"
D 19° 05' 55"	D 57° 17' 45"	D 57° 17' 45"	D 19° 05' 55"
T 33.44	T 48.06	T 48.06	T 33.44
R 300.00	R 100.00	R 100.00	R 300.00
L 66.60	L 89.61	L 89.61	L 66.60
E 1.86	E 10.95	E 10.95	E 1.86
PC STA 979+12.99	PC STA 980+68.19	PC STA 981+81.67	PC STA 983+59.87
PT STA 979+79.59	PT STA 981+57.80	PT STA 982+71.28	PT STA 984+26.47

CURVE SVT-8A	CURVE SVT-8B	CURVE SVT-8C	CURVE SVT-8D
PI STA 1003+50.00	PI STA 1004+50.10	PI STA 1014+50.08	PI STA 1015+50.19
Δ 2° 51' 45"	Δ 2° 51' 45"	Δ 2° 51' 45"	Δ 2° 51' 45"
D 2° 51' 34"	D 2° 51' 34"	D 2° 51' 34"	D 2° 51' 34"
T 50.06	T 50.06	T 50.06	T 50.06
R 2003.75	R 2003.75	R 2003.75	R 2003.75
L 100.10	L 100.10	L 100.10	L 100.10
E 0.63	E 0.63	E 0.63	E 0.63
PC STA 1002+99.94	PC STA 1004+00.04	PC STA 1014+00.02	PC STA 1015+00.12
PRC STA 1004+00.04	PT STA 1005+00.15	PC STA 1015+00.12	PT STA 1016+00.23

SUPERELEVATION 2.0% TRANSITIONS

CURVE SVT-6
 ATTAIN SE STA 980+49.44 TO STA 980+74.44
 REMOVE SE STA 981+49.70 TO STA 981.59.70

CURVE SVT-8
 ATTAIN SE STA 983+41.12 TO STA 983+66.12
 REMOVE SE STA 984+20.22 TO STA 984+24.22 AH

CURVE SVT-8B
 ATTAIN SE STA 1003+81.29 TO STA 1004+06.29
 REMOVE SE STA 1004+93.90 TO STA 1005+18.90

CURVE SVT-8C
 ATTAIN SE STA 1013+81.27 TO STA 1014+06.27
 REMOVE SE STA 1014+93.87 TO STA 1015+18.87

CUMMINS ENGINEERING CORPORATION

JOB = 2192
 FILE NAME = 2192align.dgn
 PLOT SCALE = 200.000' / IN.
 PLOT DATE = 6/5/2009

DESIGNED - NAK
 DRAWN - AJH
 CHECKED - NAK
 DATE - 01/09/2009

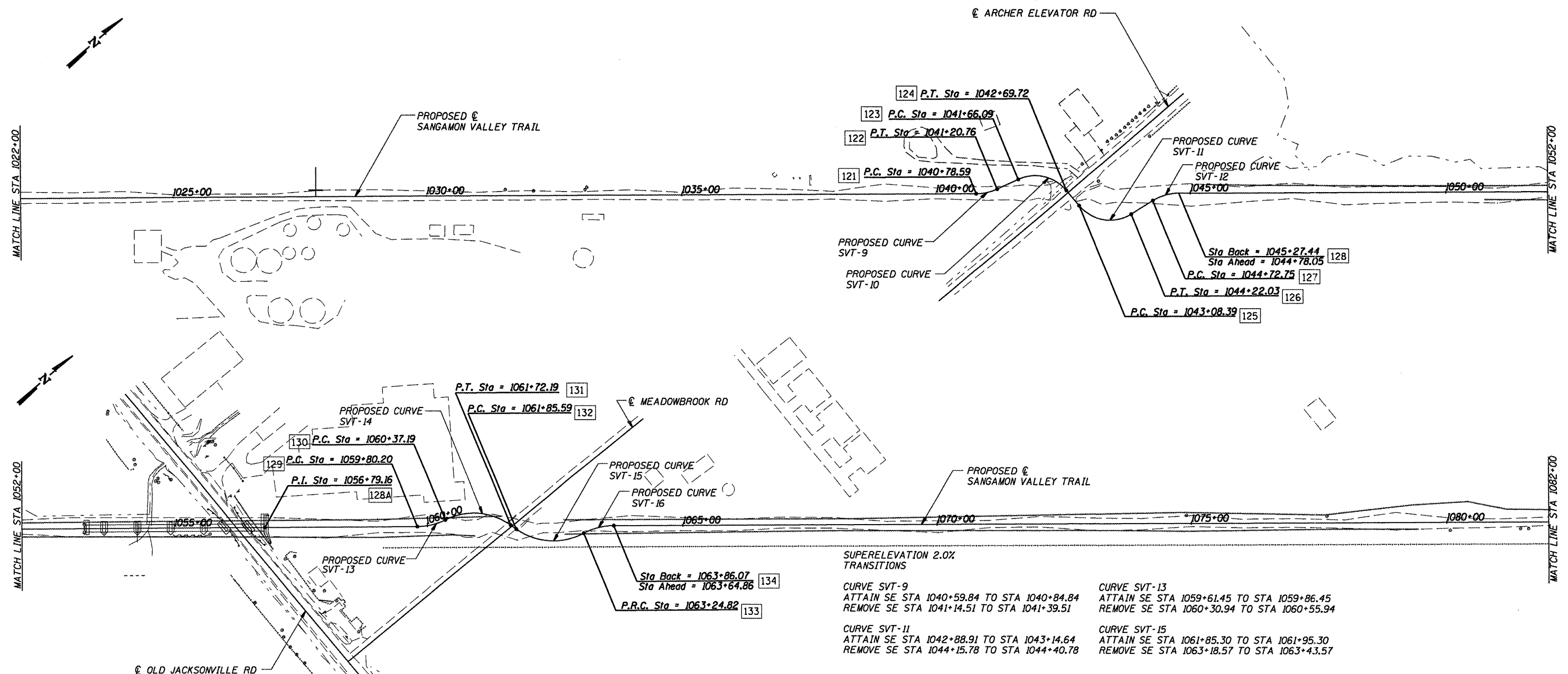
REVISED -
 REVISED -
 REVISED -
 REVISED -

SANGAMON VALLEY TRAIL

ALIGNMENT

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00173-00-BT	SANGAMON	173	15
CONTRACT NO.				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

09529



SUPERELEVATION 2.0% TRANSITIONS

CURVE SVT-9
 ATTAIN SE STA 1040+59.84 TO STA 1040+84.84
 REMOVE SE STA 1041+14.51 TO STA 1041+39.51

CURVE SVT-11
 ATTAIN SE STA 1042+88.91 TO STA 1043+14.64
 REMOVE SE STA 1044+15.78 TO STA 1044+40.78

CURVE SVT-13
 ATTAIN SE STA 1059+61.45 TO STA 1059+86.45
 REMOVE SE STA 1060+30.94 TO STA 1060+55.94

CURVE SVT-15
 ATTAIN SE STA 1061+85.30 TO STA 1061+95.30
 REMOVE SE STA 1063+18.57 TO STA 1063+43.57

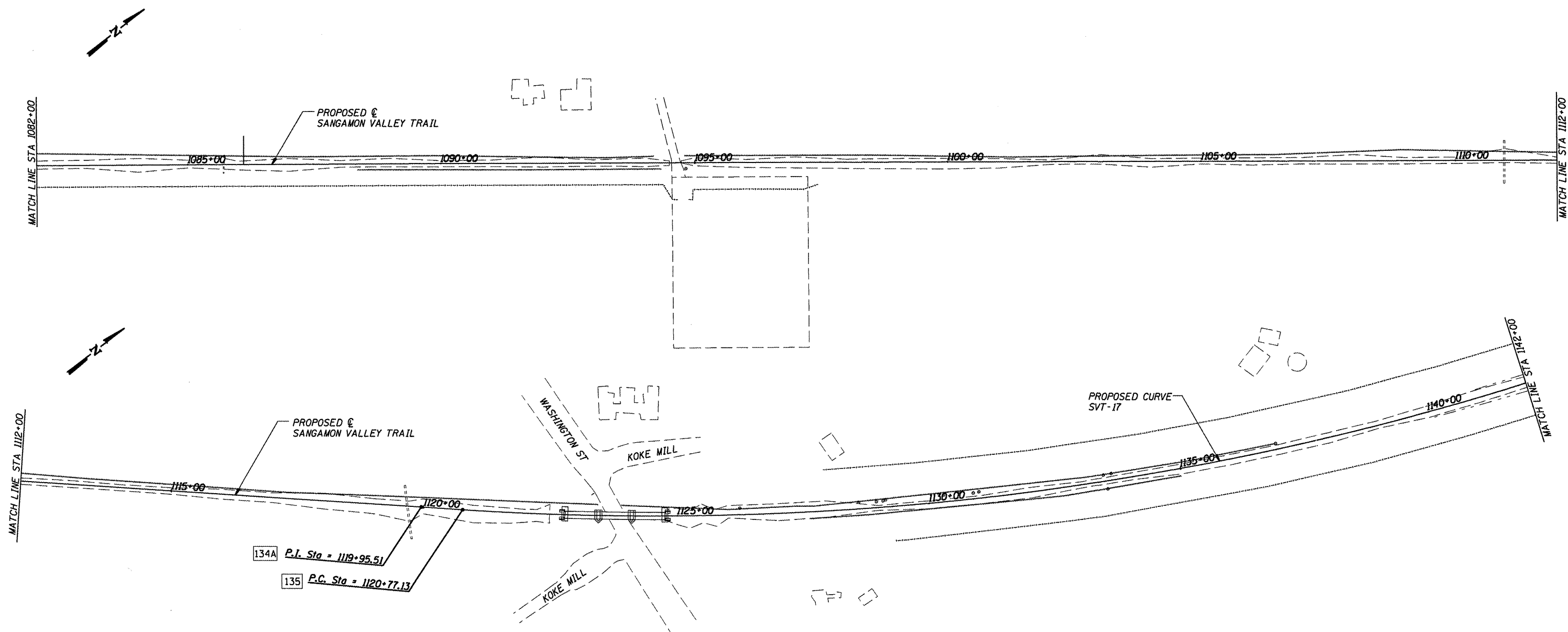
PROPOSED CURVE DATA:

CURVE SVT-9	CURVE SVT-10	CURVE SVT-11	CURVE SVT-12
PI STA 1040+99.99	PI STA 1042+26.61	PI STA 1043+77.19	PI STA 1045+00.79
Δ 24° 09' 31"	Δ 74° 13' 12"	Δ 81° 23' 37"	Δ 31° 19' 57"
D 57° 17' 45"	D 71° 37' 11"	D 71° 37' 11"	D 57° 17' 45"
T 21.40	T 60.53	T 68.80	T 28.05
R 100.00	R 80.00	R 80.00	R 100.00
L 42.16	L 103.63	L 113.65	L 54.69
E 2.26	E 20.32	E 25.52	E 3.86
PC STA 1040+78.59	PC STA 1041+66.09	PC STA 1043+08.39	PC STA 1044+72.75
PT STA 1041+20.76	PT STA 1042+69.72	PT STA 1044+22.03	PT STA 1045+27.43

CURVE SVT-13	CURVE SVT-14	CURVE SVT-15	CURVE SVT-16
PI STA 1060+09.20	PI STA 1061+12.12	PI STA 1062+63.43	PI STA 1063+56.07
Δ 26° 07' 24"	Δ 61° 52' 36"	Δ 63° 49' 10"	Δ 28° 04' 05"
D 45° 50' 12"	D 45° 50' 12"	D 45° 50' 12"	D 45° 50' 12"
T 29.00	T 74.92	T 77.84	T 31.24
R 125.00	R 125.00	R 125.00	R 125.00
L 56.99	L 134.99	L 139.23	L 61.24
E 3.32	E 20.74	E 22.25	E 3.85
PC STA 1059+80.20	PC STA 1060+37.19	PC STA 1061+85.59	PC STA 1063+24.83
PT STA 1060+37.19	PT STA 1061+72.19	PT STA 1063+24.83	PT STA 1063+86.06

COORDINATE DATA:

121	N 1135259.49 E 2418110.91	126	N 1135471.46 E 2418332.80	130	N 1136795.76 E 2419322.70
122	N 1135296.92 E 2418129.62	127	N 1135521.76 E 2418339.25	131	N 1136889.07 E 2419411.10
123	N 1135340.81 E 2418140.96	128	N 1135571.49 E 2418360.33	132	N 1136892.68 E 2419424.01
124	N 1135400.78 E 2418216.60	128A	N 1136509.66 E 2419110.34	133	N 1136990.13 E 2419513.26
125	N 1135401.66 E 2418255.26	129	N 1136744.80 E 2419298.31	134	N 1137045.25 E 2419538.50



134A P.I. Sta = 1119+95.51
 135 P.C. Sta = 1120+77.13

COORDINATE DATA:

134A	N	1141443.27
	E	2423054.42
135	N	1141507.03
	E	2423105.39

PROPOSED CURVE DATA:

CURVE SVT-17
 PI STA 1137+34.03
 Δ 32° 13' 23"
 D 0° 59' 56"
 T 1656.90
 R 5736.15
 L 3225.99
 E 234.51
 PC STA 1120+77.13
 PT STA 1153+03.13

SUPERELEVATION 2.0% TRANSITIONS

CURVE SVT-17
 ATTAIN SE STA 1120+58.38 TO STA 1120+83.38
 REMOVE SE STA 1152+96.88 TO STA 1153+21.88

CUMMINS
 ENGINEERING
 CORPORATION

JOB = 2192
 FILE NAME = 2192align.dgn
 PLOT SCALE = 200.000' / IN.
 PLOT DATE = 6/5/2009

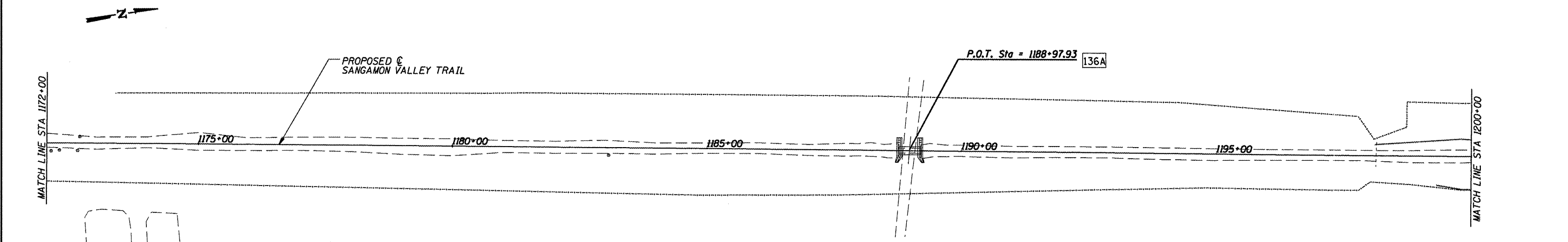
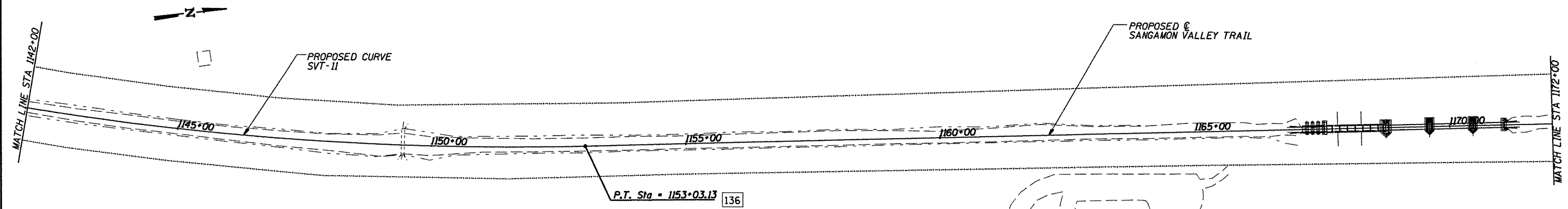
DESIGNED - NAK
 DRAWN - AJH
 CHECKED - NAK
 DATE - 01/09/2009

REVISED -
 REVISED -
 REVISED -
 REVISED -

SANGAMON VALLEY TRAIL

ALIGNMENT

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00173-00-BT	SANGAMON	173	17
CONTRACT NO.				
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT 99522			



COORDINATE DATA:

136	N	1144447.73
	E	2424325.17
136A	N	1148020.01
	E	2424726.93

CUMMINS
ENGINEERING
CORPORATION

JOB = 2192
FILE NAME = 2192a11gn.dgn
PLOT SCALE = 200.000' / IN.
PLOT DATE = 6/5/2009

DESIGNED - NAK
DRAWN - AJH
CHECKED - NAK
DATE - 01/09/2009

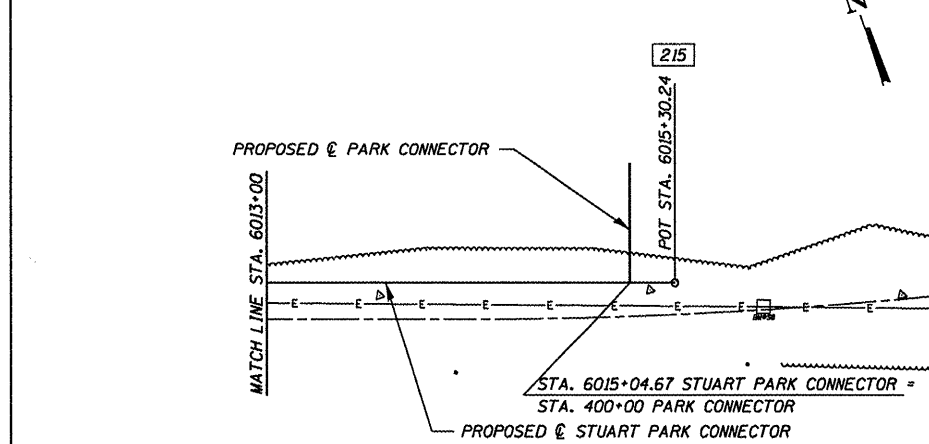
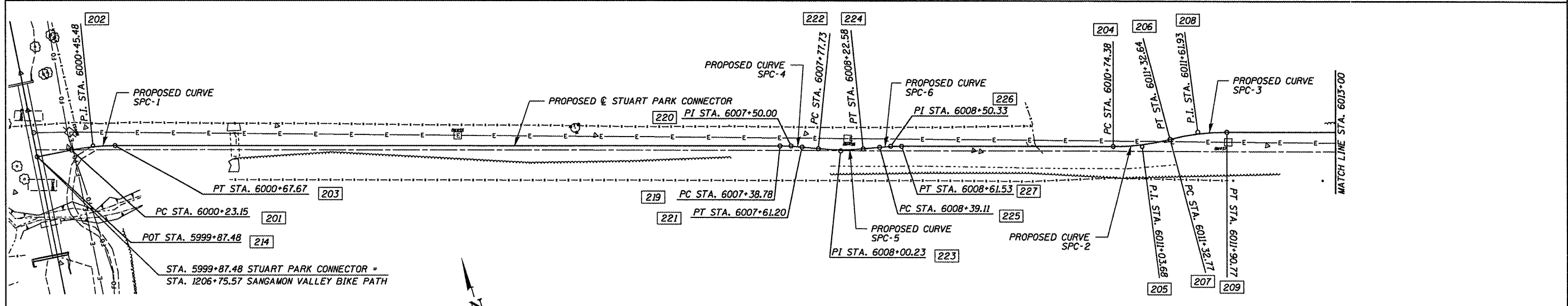
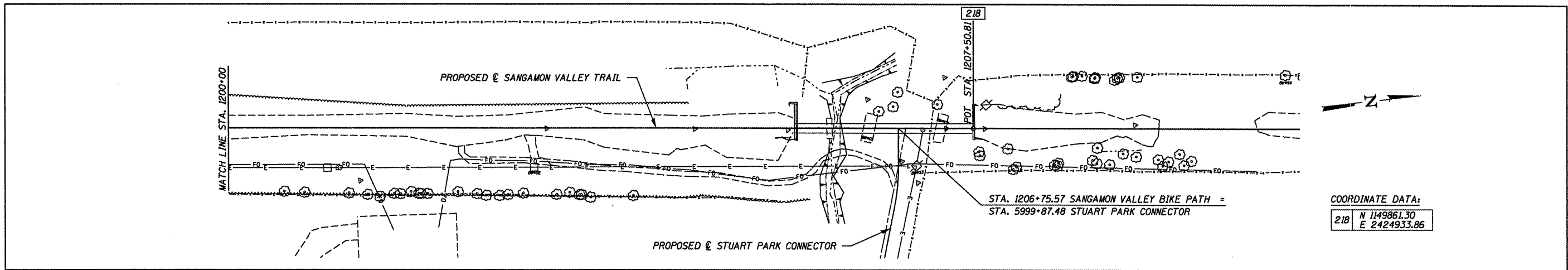
REVISED -
REVISED -
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REVISED -

SANGAMON VALLEY TRAIL

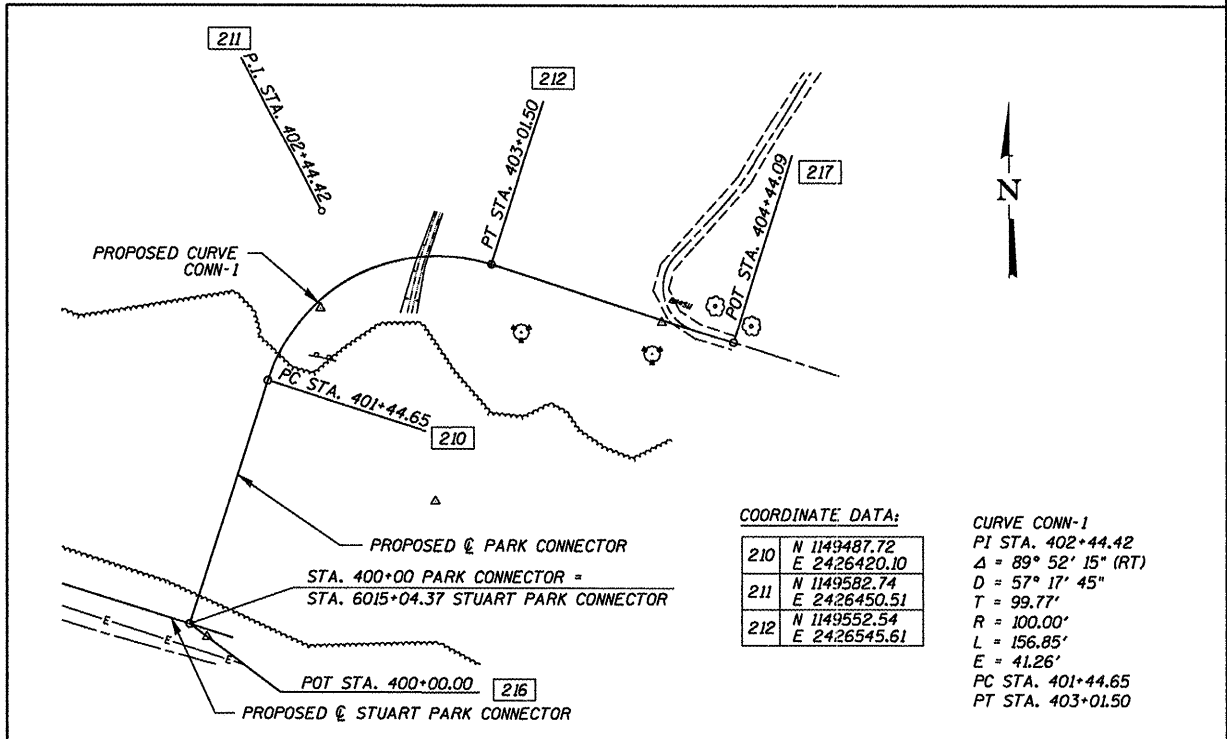
ALIGNMENT

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00173-00-BT	SANGAMON	173	18
CONTRACT NO.				
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

93522



CURVE SPC-1 PI STA. 6000+45.48 Δ = 11° 20' 11" (RT) D = 25° 27' 53" T = 22.33' R = 225.00' L = 44.52' E = 1.11' PC STA. 6000+23.15 PT STA. 6000+67.67	CURVE SPC-2 PI STA. 6011+03.68 Δ = 14° 50' 07" (LT) D = 25° 27' 53" T = 29.29' R = 225.00' L = 58.26' E = 1.90' PC STA. 6010+74.38 PT STA. 6011+32.64	CURVE SPC-3 PI STA. 6011+61.93 Δ = 14° 50' 07" (RT) D = 25° 34' 43" T = 29.16' R = 224.00' L = 58.00' E = 1.89' PC STA. 6011+32.77 PT STA. 6011+90.77
CURVE SPC-4 PI STA. 6007+50.00 Δ = 5° 42' 38" (RT) D = 25° 27' 53" T = 11.22' R = 225.00' L = 22.43' E = 0.28' PC STA. 6007+38.78 PT STA. 6007+61.20	CURVE SPC-5 PI STA. 6008+00.23 Δ = 11° 25' 16" (LT) D = 25° 27' 53" T = 22.50' R = 225.00' L = 44.85' E = 1.12' PC STA. 6007+77.73 PT STA. 6008+22.58	CURVE SPC-6 PI STA. 6008+50.33 Δ = 5° 42' 38" (RT) D = 25° 27' 53" T = 11.22' R = 225.00' L = 22.43' E = 0.28' PC STA. 6008+39.11 PT STA. 6008+61.53



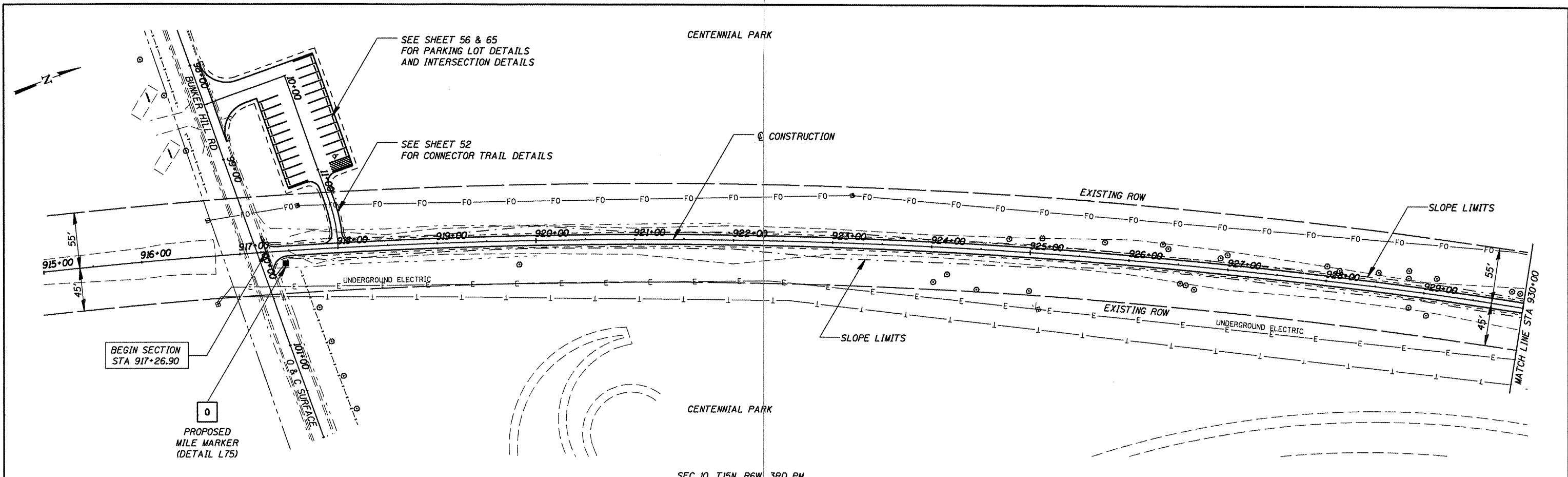
COORDINATE DATA:	CURVE CONN-1 PI STA. 402+44.42 Δ = 89° 52' 15" (RT) D = 57° 17' 45" T = 99.77' R = 100.00' L = 156.85' E = 41.26' PC STA. 401+44.65 PT STA. 403+01.50
210 N 1149487.72 E 2426420.10	
211 N 1149582.74 E 2426450.51	
212 N 1149552.54 E 2426545.61	

COORDINATE DATA:	201 N 1149782.55 E 2424960.90	207 N 1149456.02 E 2426020.14	213 N 1149509.38 E 2426681.50	219 N 1149568.66 E 2425738.48
202 N 1149780.06 E 2424983.09	208 N 1149454.54 E 2426049.27	214 N 1149445.65 E 2426077.04	220 N 1149565.24 E 2425654.22	225 N 1149537.09 E 2425738.48
203 N 1149773.25 E 2425004.36	209 N 1149445.65 E 2426077.04	215 N 1149342.16 E 2426400.36	221 N 1149560.77 E 2425664.51	226 N 1149534.75 E 2425749.45
204 N 1149466.45 E 2425962.86	210 N 1149466.45 E 2425962.86	216 N 1149349.96 E 2426376.00	222 N 1149554.19 E 2425679.67	227 N 1149531.33 E 2425760.15
205 N 1149457.52 E 2425990.76	211 N 1149457.52 E 2425990.76		223 N 1149545.23 E 2425700.31	
206 N 1149456.03 E 2426020.02	212 N 1149456.03 E 2426020.02			

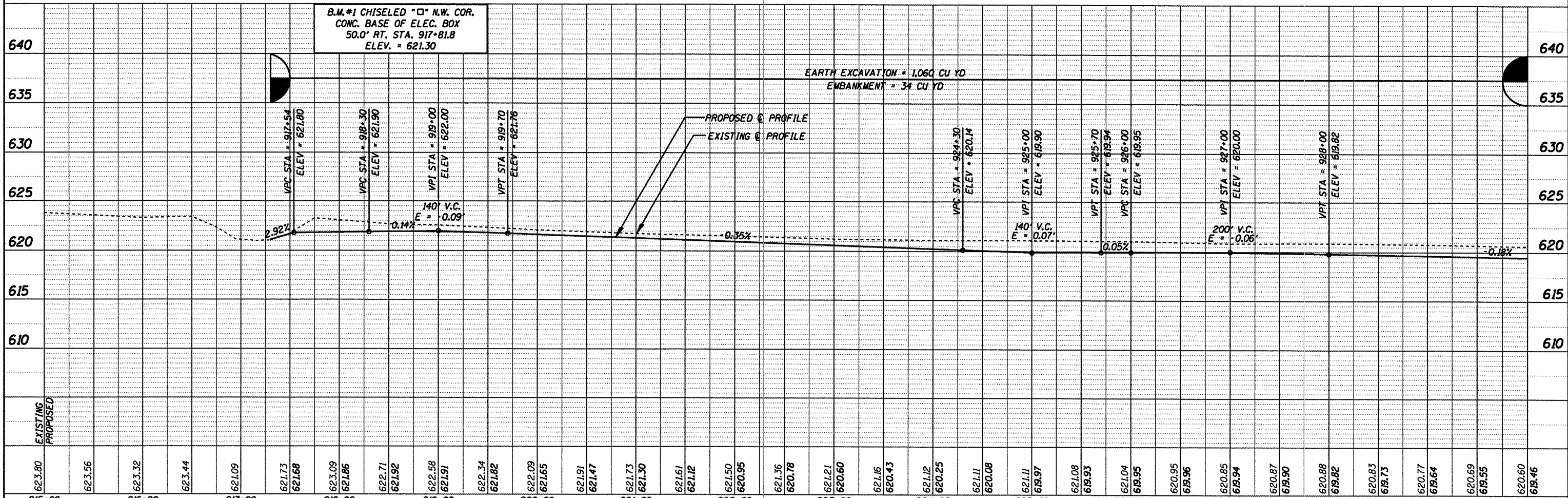
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PLOT SCALE =	DRAWN - TWK	REVISED -	05-00173-00-BT				SANGAMON	173	19	
PLOT DATE = 5/27/2009	CHECKED - S.W.M.	REVISED -	CONTRACT NO.							
	DATE - 02/09/09	REVISED -	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							
				SCALE:	SHEET NO. OF SHEETS	STA. TO STA.				

DATE	
BY	
PLAN	
NO.	
NO. OF SHEETS	
DATE	
BY	
DATE	
BY	
DATE	

DATE	
BY	
DATE	
BY	
DATE	
BY	
DATE	
BY	
DATE	



SEC 10, T15N, R6W, 3RD PM



623.80	623.56	623.32	623.44	621.00	621.73	621.68	623.09	621.86	622.71	621.92	622.58	621.91	621.47	621.73	621.30	621.61	621.12	621.50	620.95	621.36	620.78	621.21	620.60	621.16	620.43	621.12	620.25	621.11	620.08	621.11	619.97	621.08	619.93	621.04	619.95	620.95	619.96	620.85	619.94	620.87	619.90	620.88	619.82	620.83	619.73	620.77	619.64	620.69	619.55	620.60	619.46
915+00	916+00	917+00	918+00	919+00	920+00	921+00	922+00	923+00	924+00	925+00	926+00	927+00	928+00	929+00	930+00																																				

CUMMINS ENGINEERING CORPORATION

JOB = 2192
 FILE NAME = p&p915.dgn
 PLOT SCALE = 1/8" = 1' IN.
 PLOT DATE = 6/5/2009

DESIGNED - NAK
 DRAWN - AJH
 CHECKED - NAK
 DATE - 1/22/2009

REVISED -
 REVISED -
 REVISED -
 REVISED -

SANGAMON VALLEY TRAIL

PLAN & PROFILE

SCALE: SHEET NO. OF SHEETS STA. 915+00 TO STA. 930+00

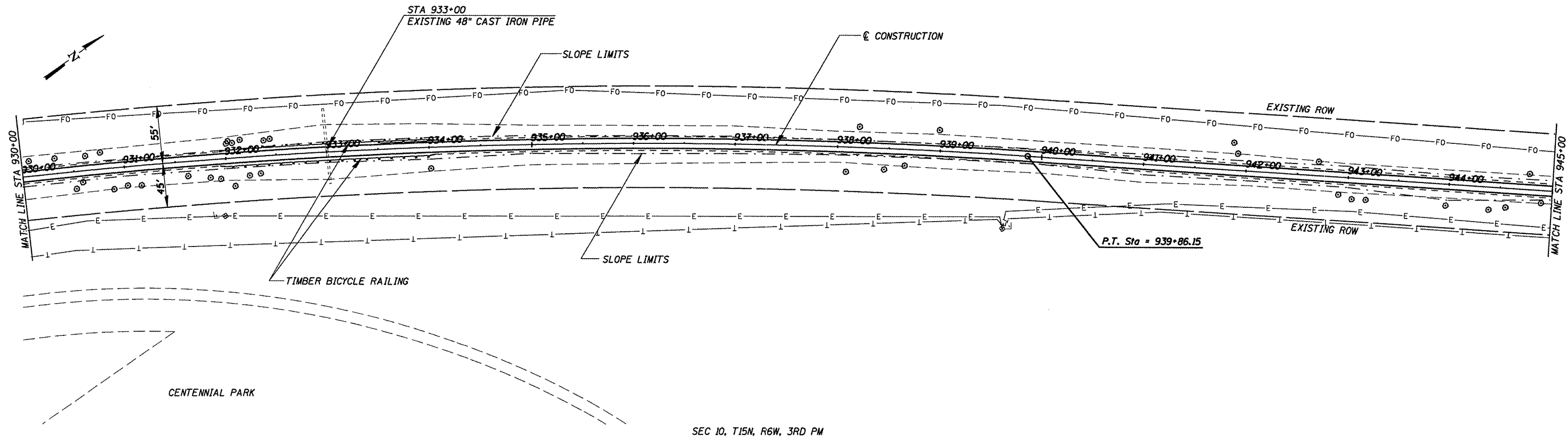
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00173-00-BT	SANGAMON	173	20
CONTRACT NO.				

FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT

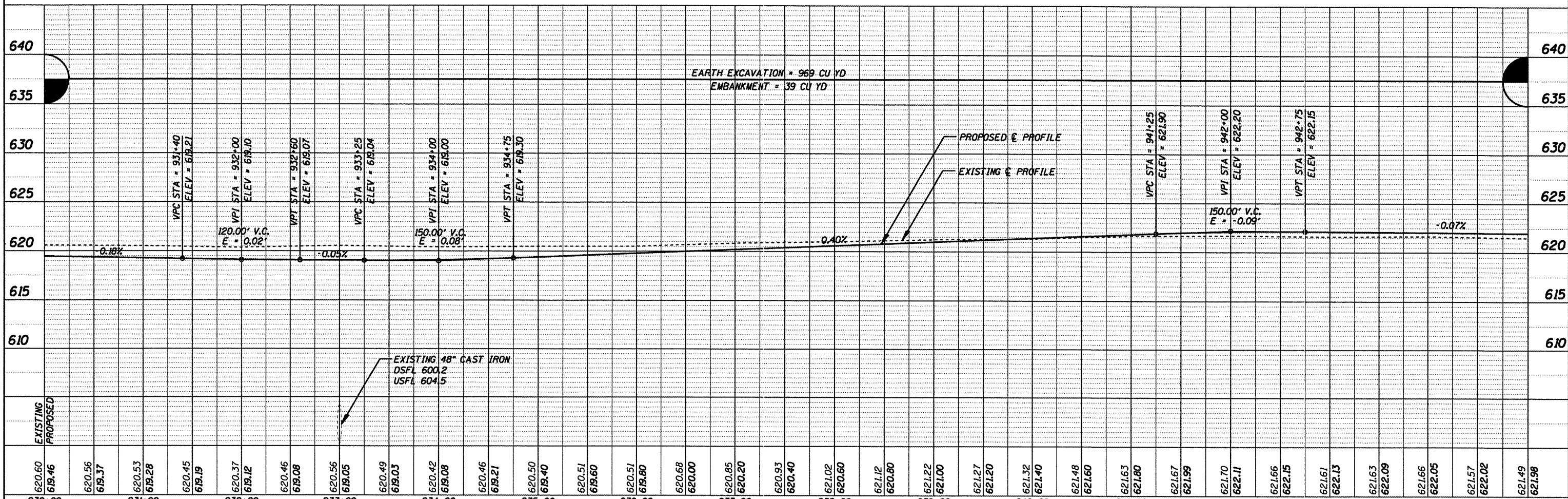
93522

DATE	
BY	
SUBMITTED	
PLOTTED	
CHECKED	
APPROVED	
NOTE BOOK NO.	
FILE NAME	

DATE	
BY	
SUBMITTED	
PLOTTED	
CHECKED	
APPROVED	
NOTE BOOK NO.	
FILE NAME	



SEC 10, T15N, R6W, 3RD PM



620.60	618.46	620.56	619.37	620.53	619.28	620.45	619.19	620.37	619.12	620.46	619.08	620.56	619.05	620.49	619.03	620.42	619.08	620.46	619.21	620.50	619.40	620.51	619.60	620.51	619.80	620.68	620.00	620.85	620.20	620.93	620.40	621.02	620.60	621.12	620.80	621.22	00728	621.27	621.20	621.32	621.40	621.48	09728	621.63	621.80	621.67	621.79	621.70	622.11	621.66	622.15	621.61	622.13	621.63	622.09	621.66	622.05	621.57	622.02	621.49	621.98
930+00				931+00				932+00				933+00				934+00				935+00			936+00			937+00			938+00			939+00			940+00			941+00			942+00			943+00			944+00			945+00											

CUMMINS ENGINEERING CORPORATION

JOB = 2192
 FILE NAME = p&p930.dgn
 PLOT SCALE = 100.000' / IN.
 PLOT DATE = 6/5/2009

DESIGNED	- NAK	REVISED	-
DRAWN	- AJH	REVISED	-
CHECKED	- NAK	REVISED	-
DATE	- 1/22/2009	REVISED	-

SANGAMON VALLEY TRAIL

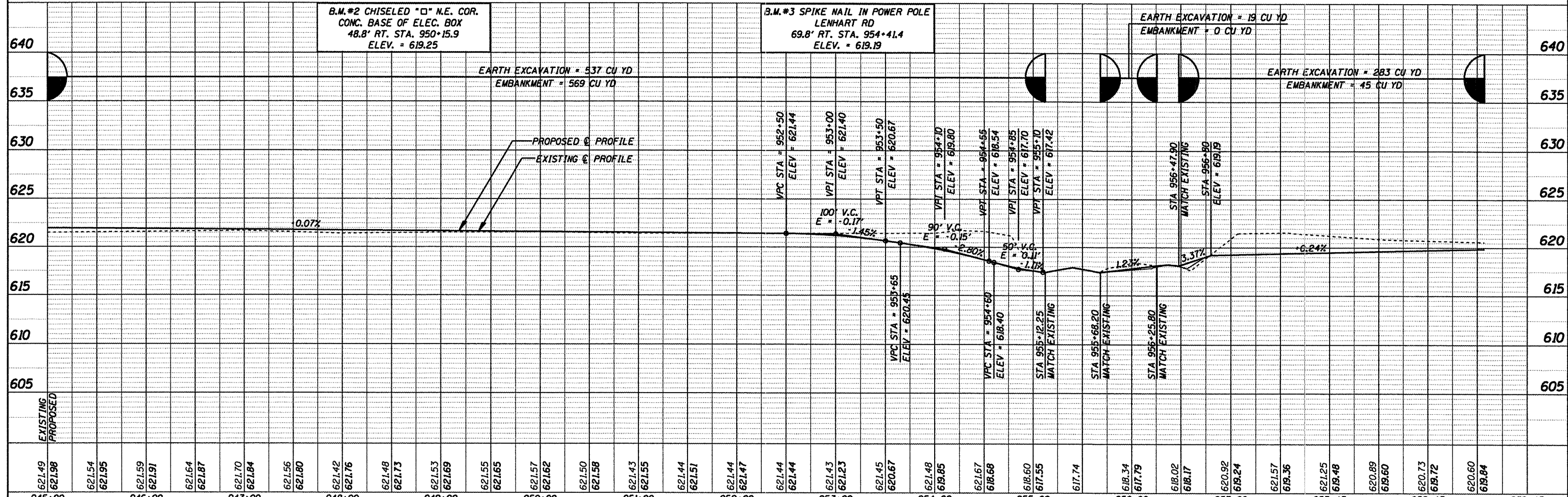
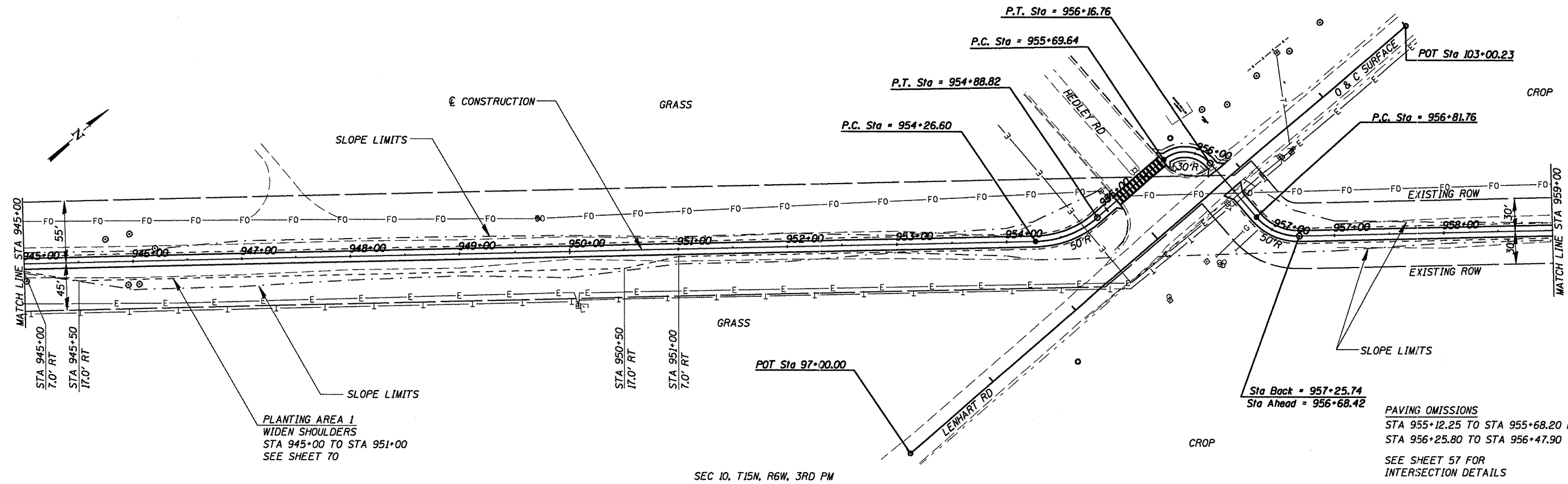
PLAN & PROFILE

SCALE: SHEET NO. OF SHEETS STA. 930+00 TO STA. 945+00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00173-00-BT	SANGAMON	173	21
CONTRACT NO.			93522	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	
	REVISIONS	
	BY	
	NO.	

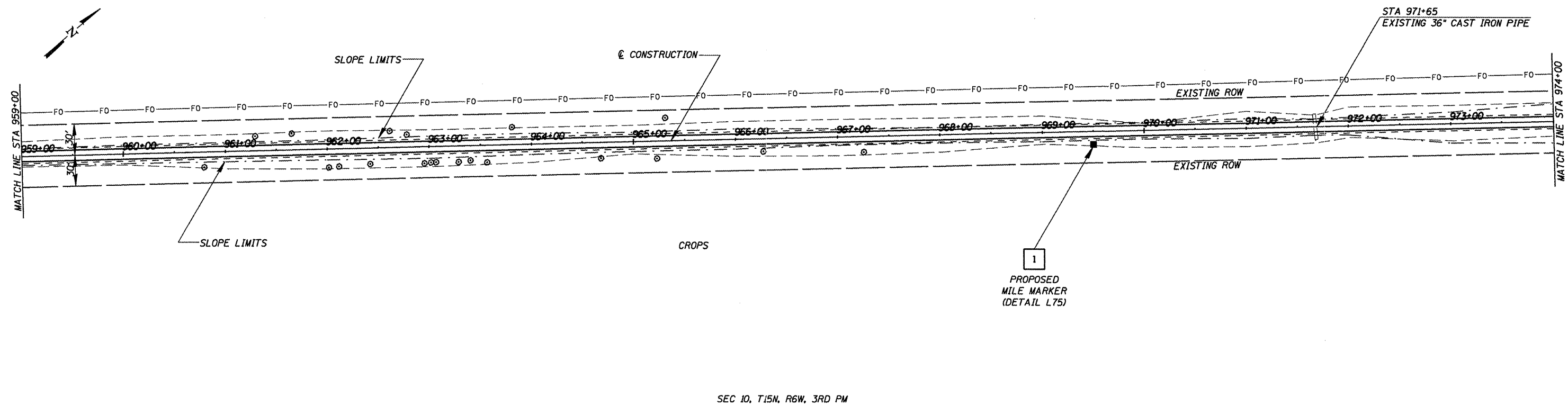
PROFILE	SURVEYED	DATE
	GRADES CHECKED	
	STRUCTURE	
	NOTATION	
	CHD	



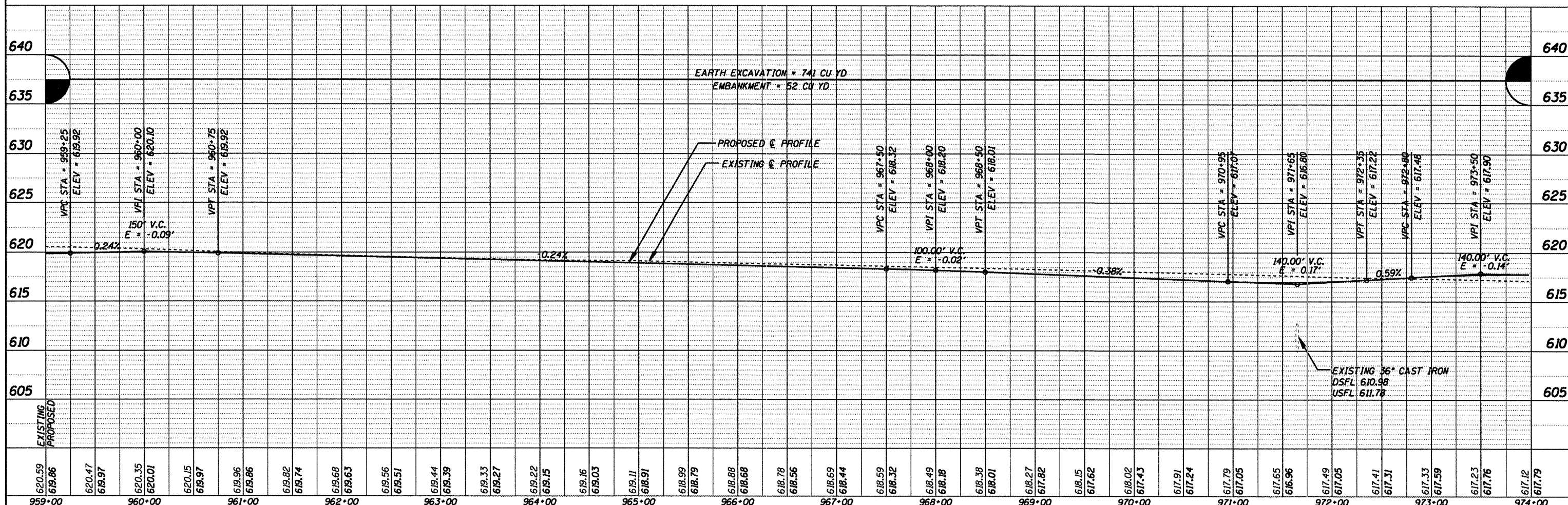
CUMMINS ENGINEERING CORPORATION JOB = 2192 FILE NAME = p&p945.dgn PLOT SCALE = 1/8" = 100' / IN. PLOT DATE = 6/5/2009	DESIGNED - NAK	REVISED -	SANGAMON VALLEY TRAIL PLAN & PROFILE SCALE: SHEET NO. OF SHEETS STA. 945+00 TO STA. 959+00	F.A.S. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN - AJH	REVISED -		05-00173-00-BT	SANGAMON	173	22	
	CHECKED - NAK	REVISED -		CONTRACT NO.				
	DATE - 1/22/2009	REVISED -		93522				

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

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



SEC 10, T15N, R6W, 3RD PM



CUMMINS
ENGINEERING
CORPORATION

JOB = 2192
FILE NAME = p&p960.dgn
PLOT SCALE = 100.000' / IN.
PLOT DATE = 6/5/2009

DESIGNED - NAK	REVISED -
DRAWN - AJH	REVISED -
CHECKED - NAK	REVISED -
DATE - 1/22/2009	REVISED -

SANGAMON VALLEY TRAIL

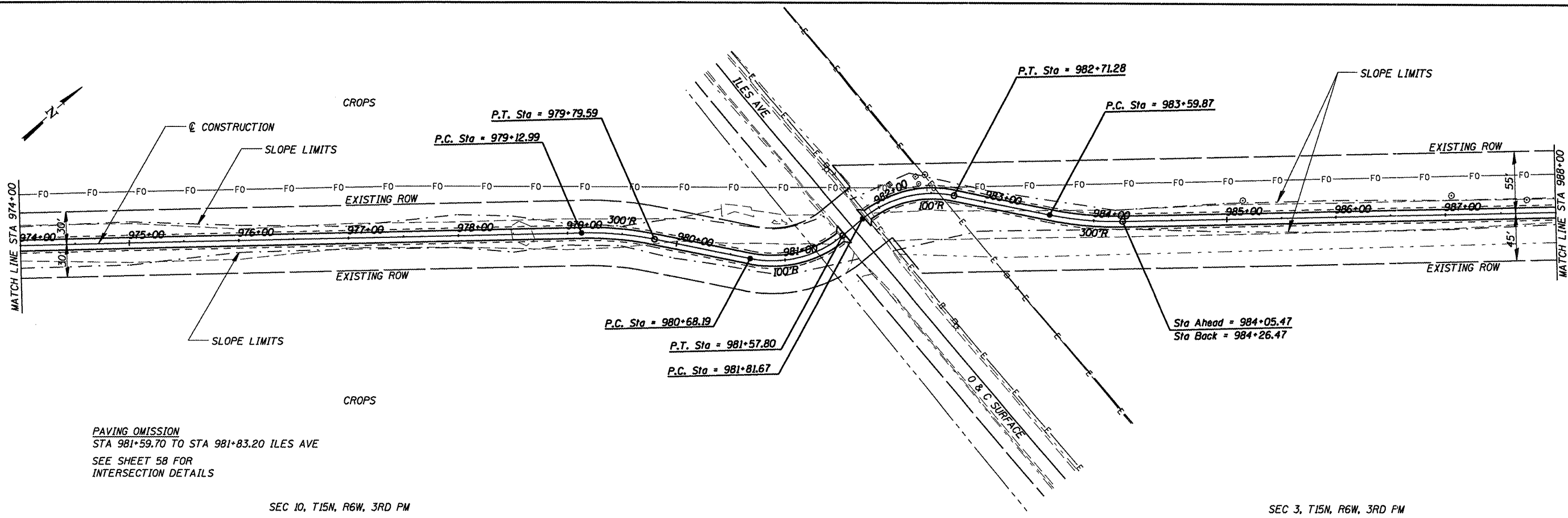
PLAN & PROFILE

SCALE: SHEET NO. OF SHEETS STA. 959+00 TO STA. 974+00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00173-00-BT	SANGAMON	173	23
CONTRACT NO.				
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	

93522

DATE	
BY	
PLAN	
NO.	
DATE	
BY	
PLAN	
NO.	
DATE	
BY	
PLAN	
NO.	

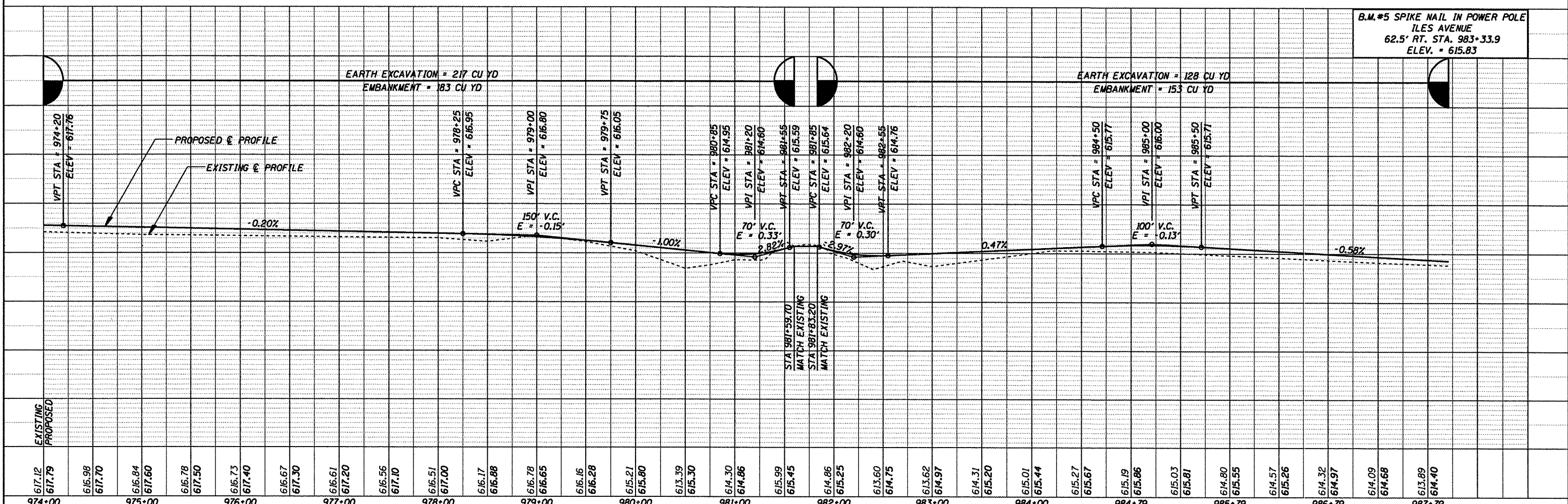


PAVING OMISSION
 STA 981+59.70 TO STA 981+83.20 ILES AVE
 SEE SHEET 58 FOR
 INTERSECTION DETAILS

SEC 10, T15N, R6W, 3RD PM

SEC 3, T15N, R6W, 3RD PM

DATE	
BY	
PROFILE	
NO.	
DATE	
BY	
PROFILE	
NO.	



B.M. #5 SPIKE NAIL IN POWER POLE
 ILES AVENUE
 62.5' RT. STA. 983+33.9
 ELEV. = 615.83

974+00	975+00	976+00	977+00	978+00	979+00	980+00	981+00	982+00	983+00	984+00	984+79	985+79	986+79	987+79																																											
617.12	617.79	616.98	617.70	616.84	617.60	616.78	617.50	616.73	617.40	616.67	617.30	616.61	617.20	616.56	617.10	616.51	617.00	616.17	616.88	616.78	616.65	616.16	616.28	615.21	615.80	613.39	615.30	614.30	614.86	615.99	615.45	614.86	615.25	613.60	614.75	613.62	614.97	614.31	615.20	615.01	615.44	615.27	615.67	615.19	615.86	615.03	615.81	614.80	615.55	614.57	615.26	614.32	614.97	614.09	614.68	613.89	614.40

CUMMINS
 ENGINEERING
 CORPORATION

JOB = 2192
 FILE NAME = p8p975.dgn
 PLOT SCALE = 100.000' / IN.
 PLOT DATE = 6/5/2009

DESIGNED - NAK
 DRAWN - AJH
 CHECKED - NAK
 DATE - 1/22/2009

REVISED -
 REVISED -
 REVISED -
 REVISED -

SANGAMON VALLEY TRAIL

PLAN & PROFILE

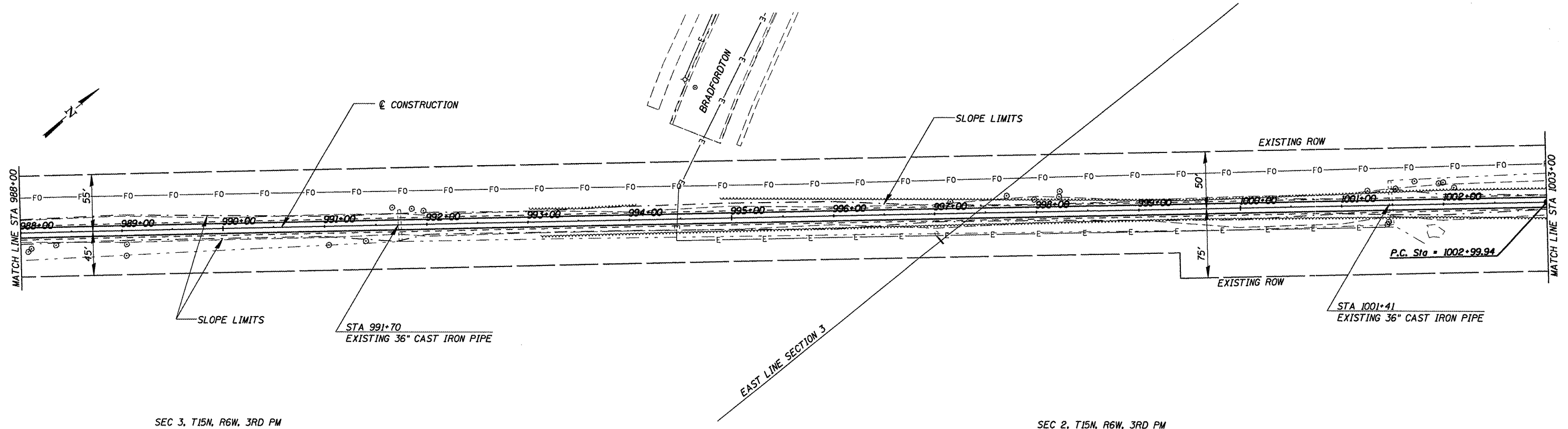
SCALE: SHEET NO. OF SHEETS STA. 974+00 TO STA. 988+00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	50-00173-00-BT	SANGAMON	173	24
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO.		

99522

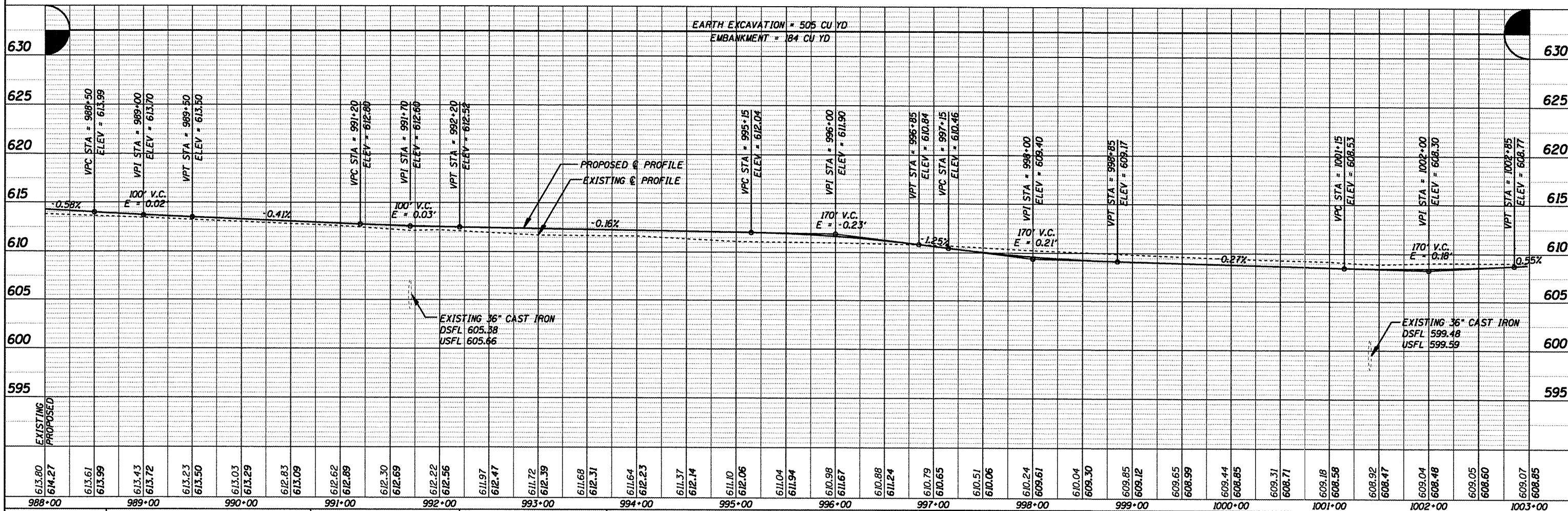
DATE	
BY	
REVISIONS	
PLANNED	
ALIGNED	
CHECKED	
NO. _____	FILE NAME
NO. _____	FILE NAME

DATE	
BY	
REVISIONS	
PLANNED	
ALIGNED	
CHECKED	
NO. _____	FILE NAME
NO. _____	FILE NAME



SEC 3, T15N, R6W, 3RD PM

SEC 2, T15N, R6W, 3RD PM

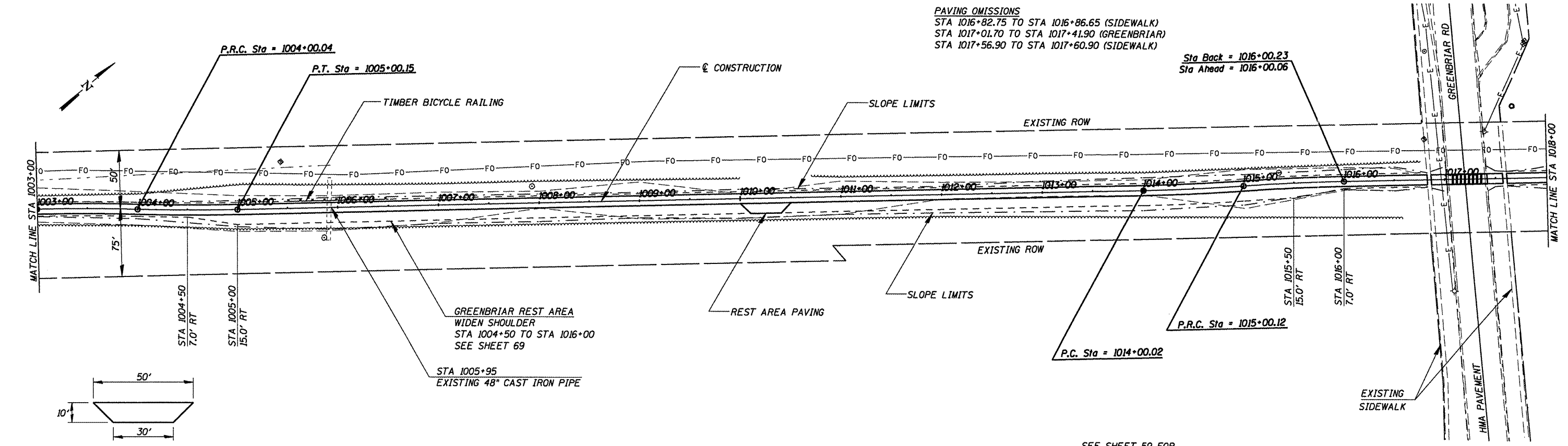


CUMMINS ENGINEERING CORPORATION JOB = 2192 FILE NAME = p&p990.dgn PLOT SCALE = 1/8" = 100'-0" / IN. PLOT DATE = 6/5/2009	DESIGNED - NAK DRAWN - AJH CHECKED - NAK DATE - 1/22/2009	REVISED - REVISED - REVISED - REVISED -	SANGAMON VALLEY TRAIL	PLAN & PROFILE	F.A.S. RTE. _____ SECTION 05-00173-00-BT COUNTY SANGAMON TOTAL SHEETS 173 SHEET NO. 25 CONTRACT NO. _____ FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT _____
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03522

DATE	
BY	
REVISIONS	
NO.	
PLAN	
NO.	
CHECKED	
DATE	
FILE NAME	

DATE	
BY	
REVISIONS	
NO.	
PROFILE	
NO.	
CHECKED	
DATE	
FILE NAME	



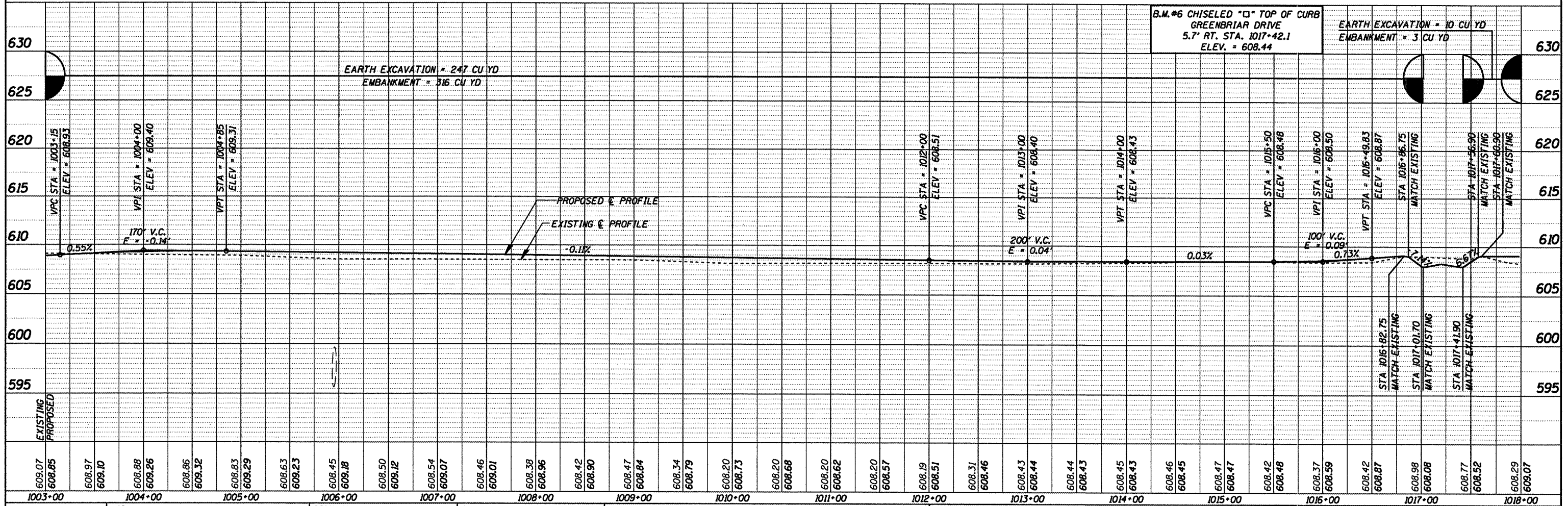
PAVING OMISSIONS
 STA 1016+82.75 TO STA 1016+86.65 (SIDEWALK)
 STA 1017+01.70 TO STA 1017+41.90 (GREENBRIAR)
 STA 1017+56.90 TO STA 1017+60.90 (SIDEWALK)

Sta Back = 1016+00.23
 Sta Ahead = 1016+00.06

TYPICAL REST AREA PAVING

SEC 2, T15N, R6W, 3RD PM

SEE SHEET 59 FOR INTERSECTION DETAILS



B.M. #6 CHISELED "D" TOP OF CURB
 GREENBRIAR DRIVE
 5.7' RT. STA. 1017+42.1
 ELEV. = 608.44

EARTH EXCAVATION = 10 CU YD
 EMBANKMENT = 3 CU YD

EARTH EXCAVATION = 247 CU YD
 EMBANKMENT = 316 CU YD

CUMMINS
 ENGINEERING
 CORPORATION

JOB = 2192
 FILE NAME = p&p1005.dgn
 PLOT SCALE = 1/8" = 1' / IN.
 PLOT DATE = 6/5/2009

DESIGNED - NAK
 DRAWN - AJH
 CHECKED - NAK
 DATE - 1/22/2009

REVISED -
 REVISED -
 REVISED -
 REVISED -

SANGAMON VALLEY TRAIL

PLAN & PROFILE

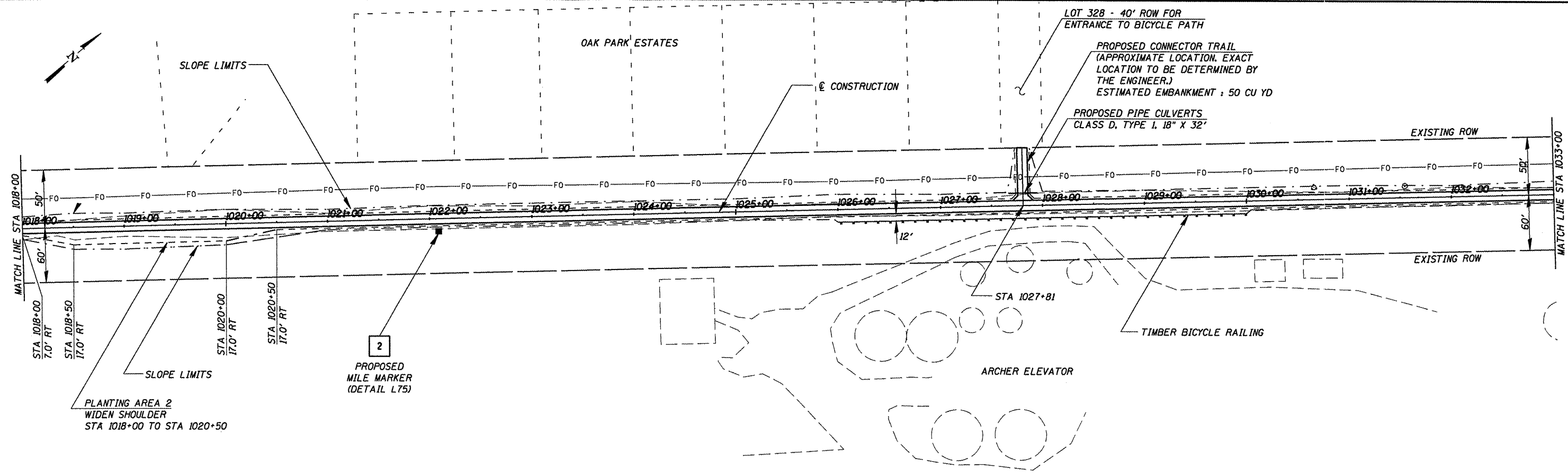
SCALE: SHEET NO. OF SHEETS STA. 1003+00 TO STA. 1018+00

F.A.S. SECTION COUNTY TOTAL SHEETS SHEET NO.
 05-00173-00-BT SANGAMON 173 26
 CONTRACT NO.

ILLINOIS FED. AID PROJ. NO. 03522

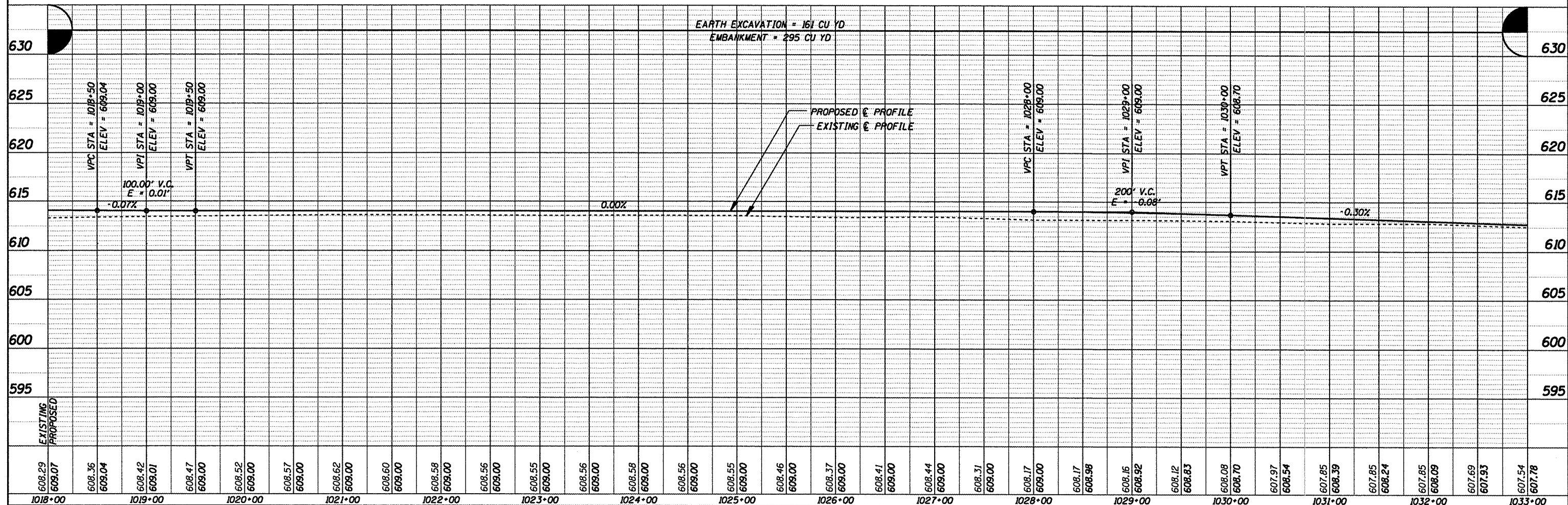
DATE	
BY	
PLAN	SURVEYED
	PLOTTED
	NOTE BOOK
	NO. _____
	FILE NAME
	NO. _____

DATE	
BY	
PROFILE	SURVEYED
	PLOTTED
	NOTE BOOK
	NO. _____
	FILE NAME
	NO. _____



SEC 2, T15N, R6W, 3RD PM

EARTH EXCAVATION = 161 CU YD
EMBANKMENT = 295 CU YD



CUMMINS
ENGINEERING
CORPORATION

JOB = 2192
FILE NAME = p8pl020.dgn
PLOT SCALE = 1/8" = 100.000' / IN.
PLDT DATE = 8/5/2009

DESIGNED	- NAK	REVISED	-
DRAWN	- AJH	REVISED	-
CHECKED	- NAK	REVISED	-
DATE	- 1/22/2009	REVISED	-

SANGAMON VALLEY TRAIL

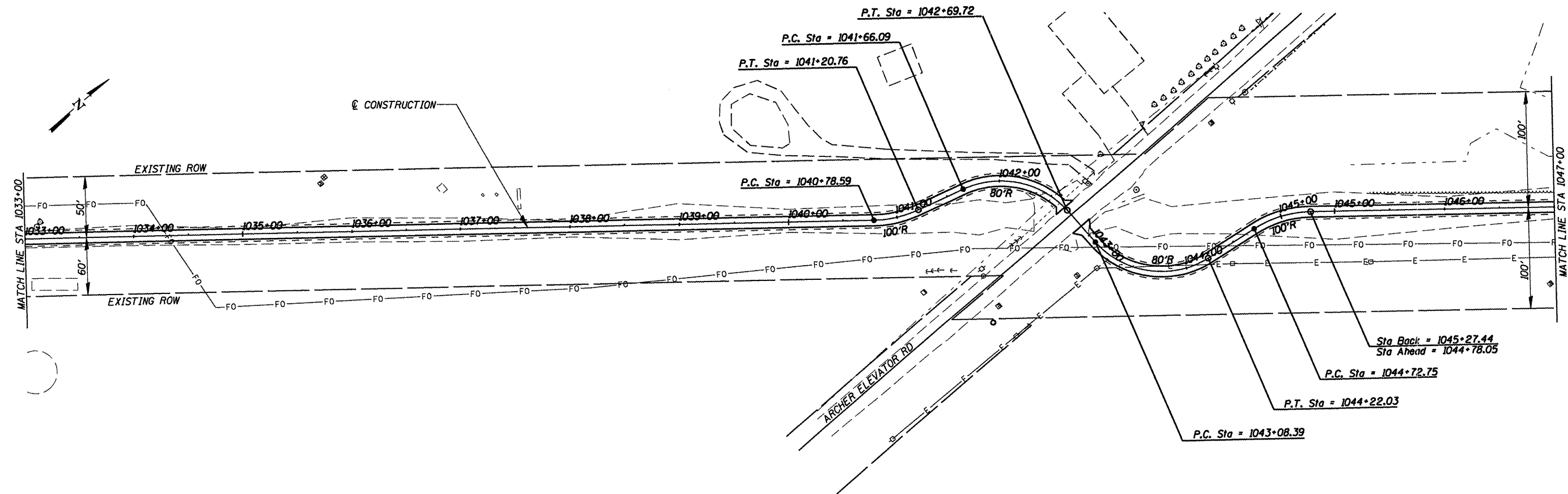
PLAN & PROFILE

SCALE: SHEET NO. OF SHEETS STA. 1018+00 TO STA. 1033+00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00173-00-BT	SANGAMON	173	27
CONTRACT NO.			93522	
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				

DATE	
BY	
REVISIONS	
PLANNED	
CHECKED	
NO. BOOK	
NO.	

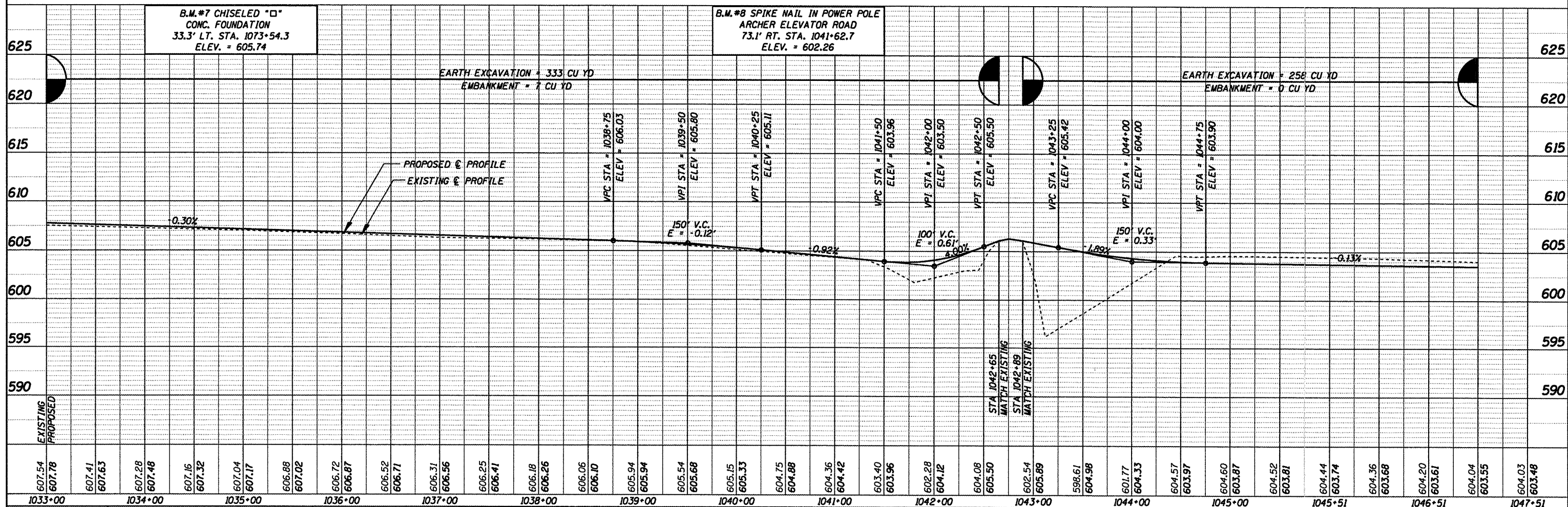
DATE	
BY	
REVISIONS	
PLANNED	
CHECKED	
NO. BOOK	
NO.	



SEC 2, T15N, R6W, 3RD PM

PAVING OMISSION
STA 1042+66.10 TO STA 1042+88.91 (ARCHER ELEVATOR RD)

SEE SHEET 60 FOR
INTERSECTION DETAILS



607.54	607.76	607.41	607.63	607.28	607.48	607.16	607.32	607.04	607.17	606.88	607.02	606.72	606.87	606.52	606.71	606.31	606.56	606.25	606.41	606.18	606.26	606.06	606.10	605.94	605.94	605.54	605.68	605.15	605.33	604.75	604.88	604.36	604.42	603.40	603.96	602.28	604.12	604.08	605.50	602.54	605.89	598.61	604.98	601.77	604.33	604.57	603.97	604.60	603.87	604.52	603.81	604.44	603.74	604.36	603.68	604.20	603.61	604.04	603.55	604.03	603.48
1033+00	1034+00	1035+00	1036+00	1037+00	1038+00	1039+00	1040+00	1041+00	1042+00	1043+00	1044+00	1045+00	1045+51	1046+51	1047+51																																														

CUMMINS
ENGINEERING
CORPORATION

JOB = 2192
FILE NAME = p&p1035.dgn
PLOT SCALE = 100.000' / IN.
PLOT DATE = 6/5/2009

DESIGNED - NAK
DRAWN - AJH
CHECKED - NAK
DATE - 1/22/2009

REVISED -
REVISED -
REVISED -
REVISED -

SANGAMON VALLEY TRAIL

PLAN & PROFILE

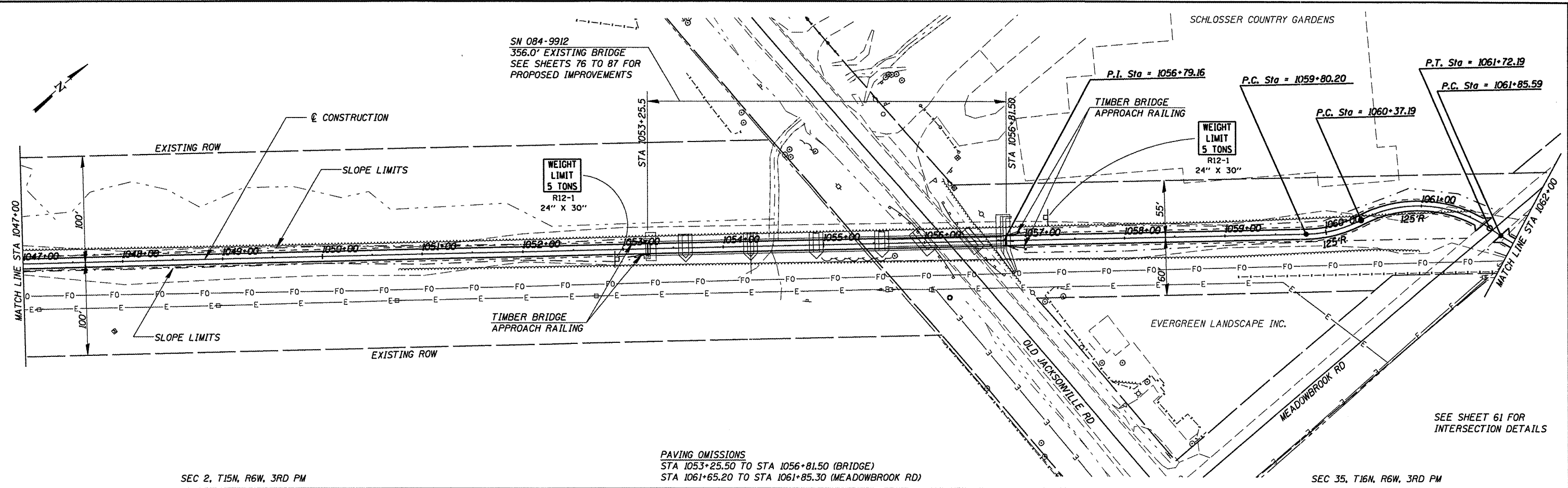
SCALE: SHEET NO. OF SHEETS STA. 1033+00 TO STA. 1047+00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00173-00-BT	SANGAMON	173	28
CONTRACT NO.		ILLINOIS FED. AID PROJECT		

93522

DATE	
BY	
DESIGNED	
CHECKED	
PLOTTED	
NOTE BOOK	
NO.	

DATE	
BY	
DESIGNED	
CHECKED	
PLOTTED	
NOTE BOOK	
NO.	



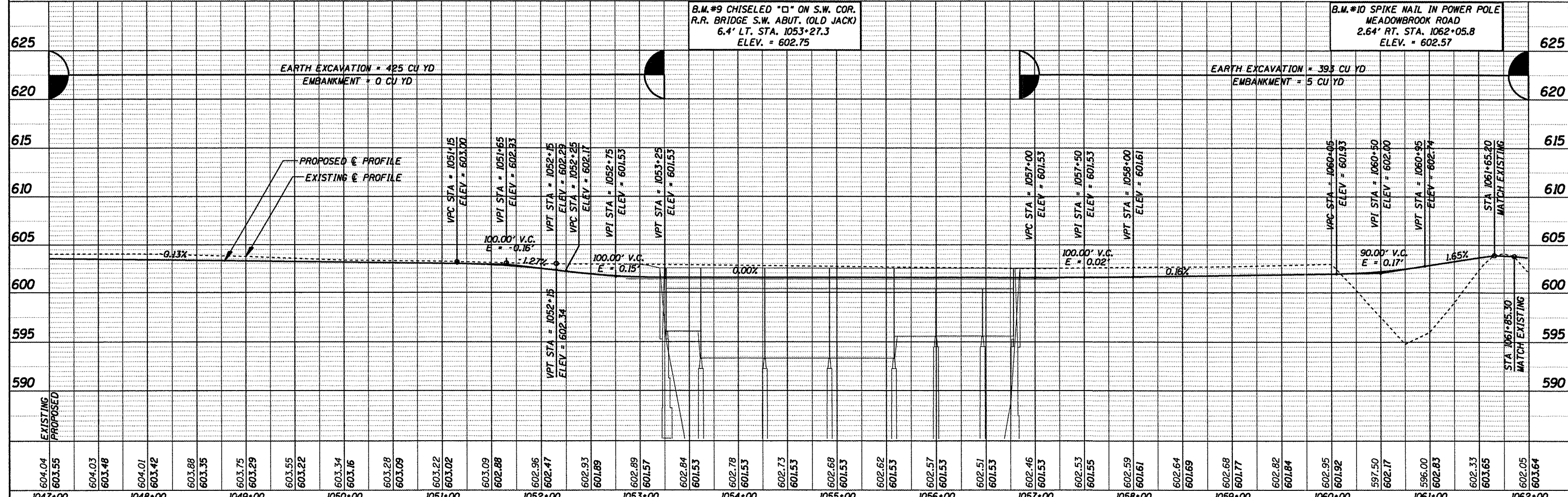
SEC 2, T15N, R6W, 3RD PM

PAVING OMISSIONS
 STA 1053+25.50 TO STA 1056+81.50 (BRIDGE)
 STA 1061+65.20 TO STA 1061+85.30 (MEADOWBROOK RD)

SEC 35, T16N, R6W, 3RD PM

B.M. #9 CHISELED "C" ON S.W. COR.
 R.R. BRIDGE S.W. ABUT. (OLD JACK)
 6.4' LT. STA. 1053+27.3
 ELEV. = 602.75

B.M. #10 SPIKE NAIL IN POWER POLE
 MEADOWBROOK ROAD
 2.64' RT. STA. 1062+05.8
 ELEV. = 602.57



1047+00	1048+00	1049+00	1050+00	1051+00	1052+00	1053+00	1054+00	1055+00	1056+00	1057+00	1058+00	1059+00	1060+00	1061+00	1062+00
604.04	603.55	604.03	603.48	604.01	603.42	603.88	603.35	603.75	603.29	603.55	603.22	603.34	603.16	603.28	603.09
603.55	603.22	603.34	603.16	603.28	603.09	603.22	603.02	603.09	602.88	602.96	602.47	602.93	601.89	602.89	601.57
601.57	602.84	601.53	602.78	601.53	602.73	601.53	602.68	601.53	602.62	601.53	602.57	601.53	602.51	601.53	602.46
601.53	602.46	601.53	602.53	601.55	602.59	601.61	602.64	601.69	602.68	601.77	602.82	601.84	602.95	601.92	597.50
601.92	597.50	602.17	596.00	602.83	602.33	603.65	602.05	603.64							

CUMMINS ENGINEERING CORPORATION

JOB = 2192
 FILE NAME = p&p1050.dgn
 PLOT SCALE = 1/8" = 1' / IN.
 PLOT DATE = 6/8/2009

DESIGNED - NAK
 DRAWN - AJH
 CHECKED - NAK
 DATE - 1/22/2009

REVISED -
 REVISED -
 REVISED -
 REVISED -

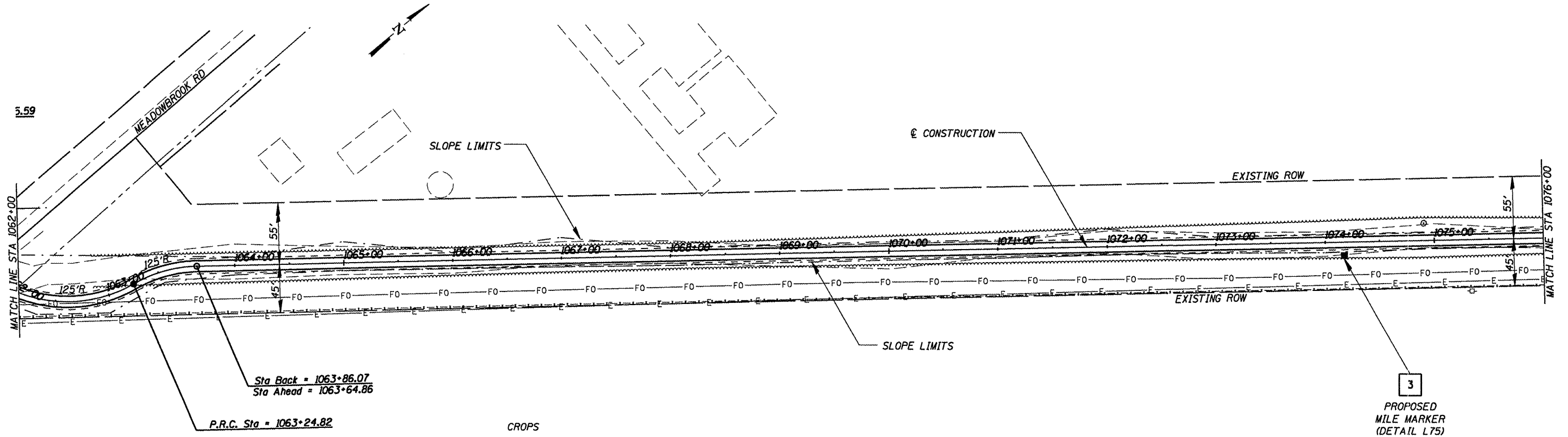
SANGAMON VALLEY TRAIL

PLAN & PROFILE

SCALE: SHEET NO. OF SHEETS STA. 1047+00 TO STA. 1062+00

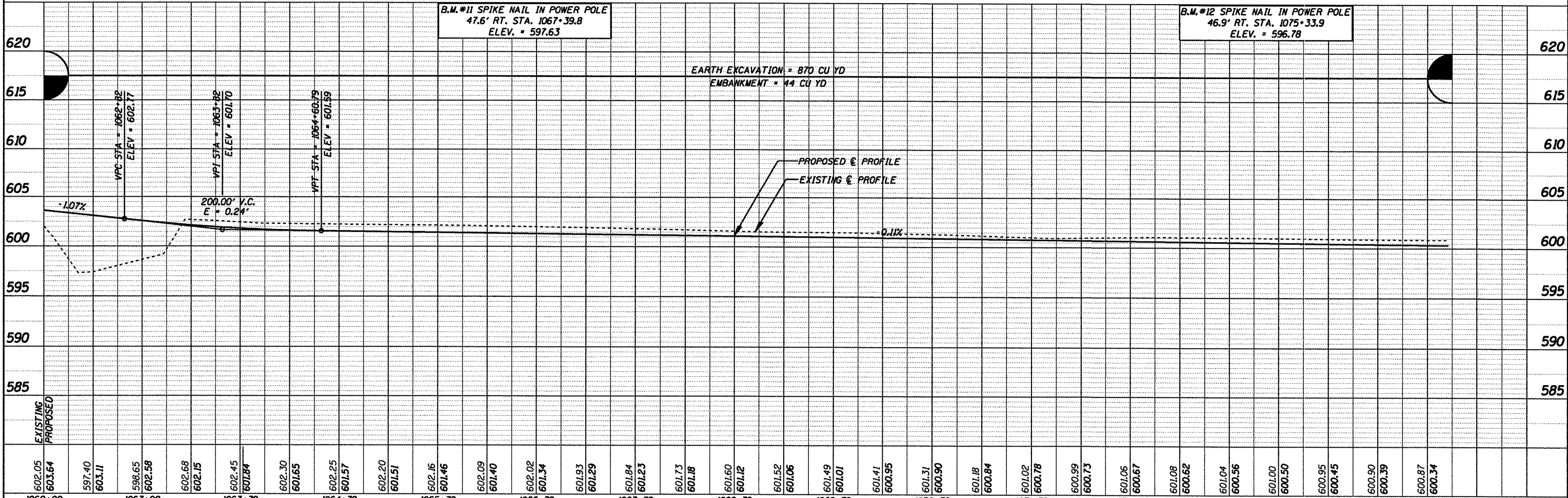
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00173-00-BT	SANGAMON	173	29
CONTRACT NO.			93522	
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	

DATE	
BY	
REVISIONS	
NO.	
DATE	
BY	
REVISIONS	
NO.	
DATE	
BY	
REVISIONS	
NO.	
DATE	
BY	
REVISIONS	
NO.	
DATE	
BY	
REVISIONS	
NO.	



SEC 36, T16N, R6W, 3RD PM

DATE	
BY	
REVISIONS	
NO.	
DATE	
BY	
REVISIONS	
NO.	
DATE	
BY	
REVISIONS	
NO.	



602.05	603.64	597.40	603.11	598.65	602.58	602.68	602.15	602.45	601.84	602.30	601.65	602.25	601.57	602.20	601.51	602.16	601.46	602.09	601.40	602.02	601.34	601.93	601.29	601.84	601.23	601.73	601.18	601.60	601.12	601.52	601.06	601.49	107109	601.41	600.95	601.31	600.96	601.18	600.84	601.02	600.78	600.99	600.73	601.06	600.67	601.08	600.62	601.04	600.56	601.00	600.50	600.95	600.45	600.90	600.39	600.87	600.34
1062+00	1063+00	1063+79	1064+79	1065+79	1066+79	1067+79	1068+79	1069+79	1070+79	1071+79	1072+79	1073+79	1074+79	1075+79																																											

CUMMINS ENGINEERING CORPORATION

JOB = 2192
 FILE NAME = p&p1085.dgn
 PLOT SCALE = 1/8" = 1' IN.
 PLOT DATE = 6/5/2009

DESIGNED - NAK
 DRAWN - AJH
 CHECKED - NAK
 DATE - 1/22/2009

REVISIONS
 REVISIONS
 REVISIONS
 REVISIONS

SANGAMON VALLEY TRAIL

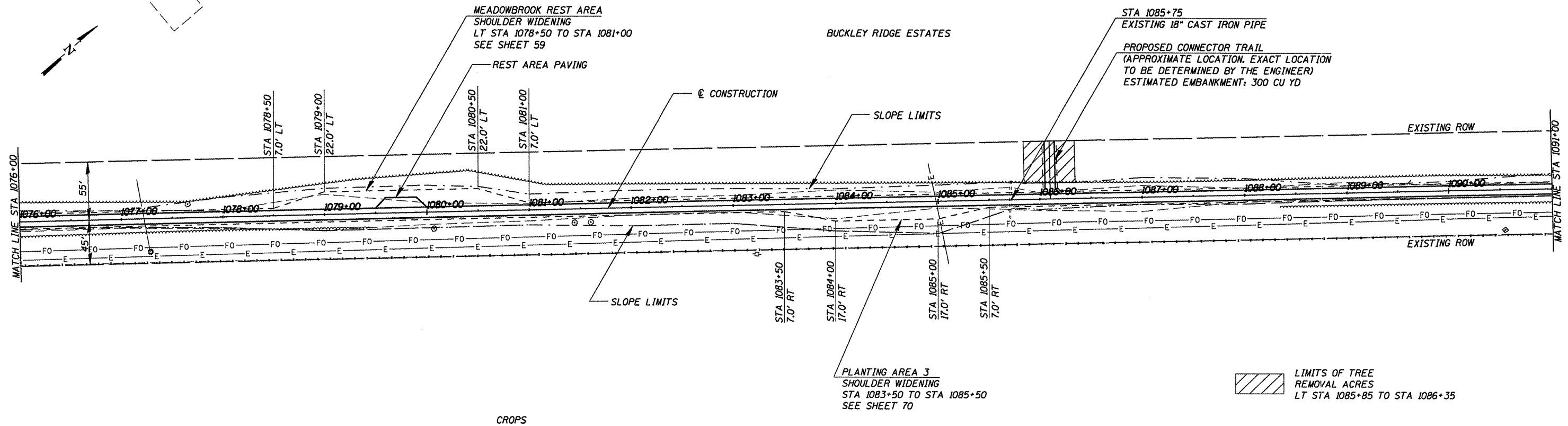
PLAN & PROFILE

SCALE: SHEET NO. OF SHEETS STA. 1062+00 TO STA. 1076+79

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00173-00-BT	SANGAMON	173	30
CONTRACT NO.			93522	

DATE	
BY	
PLAN	
NO.	
CHECKED	
FILE NAME	

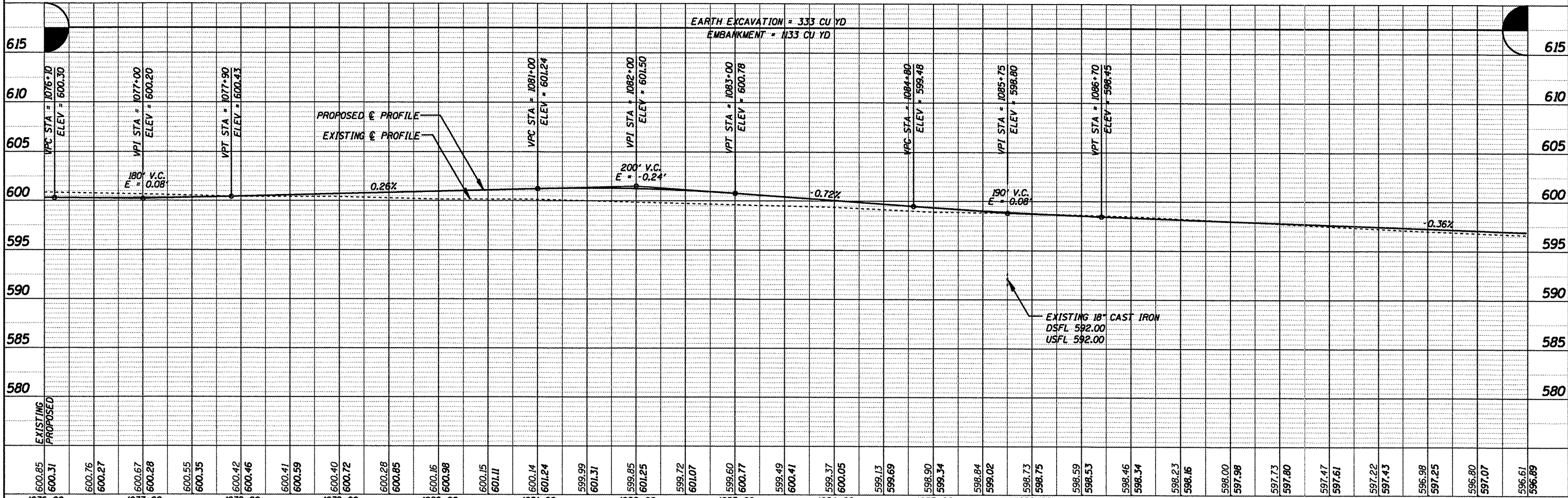
DATE	
BY	
PROFILE	
NO.	
CHECKED	
NOTATIONS	



B.M.#13 SPIKE NAIL IN POWER POLE
47.5' RT. STA. 1083+22.8
ELEV. = 599.08

SEC 36, T16N, R6W, 3RD PM

B.M.#14 SPIKE NAIL IN POWER POLE
47.3' RT. STA. 1091+10.8
ELEV. = 598.14



1076+00	1077+00	1078+00	1079+00	1080+00	1081+00	1082+00	1083+00	1084+00	1085+00	1086+00	1087+00	1088+00	1089+00	1090+00	1091+00																																														
600.85	600.31	600.76	600.27	600.67	600.28	600.55	600.35	600.42	600.46	600.41	600.59	600.40	600.72	600.28	600.85	600.16	600.98	600.15	601.11	600.14	601.24	599.99	601.31	599.85	601.25	599.72	601.07	599.60	600.77	599.49	600.41	599.37	600.05	599.13	599.69	598.90	599.34	598.84	599.02	598.73	598.75	598.59	598.53	598.46	598.34	598.23	598.16	598.00	597.98	597.73	597.80	597.47	597.61	597.22	597.43	596.98	597.25	596.80	597.07	596.61	596.89

CUMMINS ENGINEERING CORPORATION

JOB = 2192
FILE NAME = p&pl080.dgn
PLDT SCALE = 1/8" = 100.00' / IN.
PLDT DATE = 6/5/2009

DESIGNED	- NAK	REVISED	-
DRAWN	- AJH	REVISED	-
CHECKED	- NAK	REVISED	-
DATE	- 1/22/2009	REVISED	-

SANGAMON VALLEY TRAIL

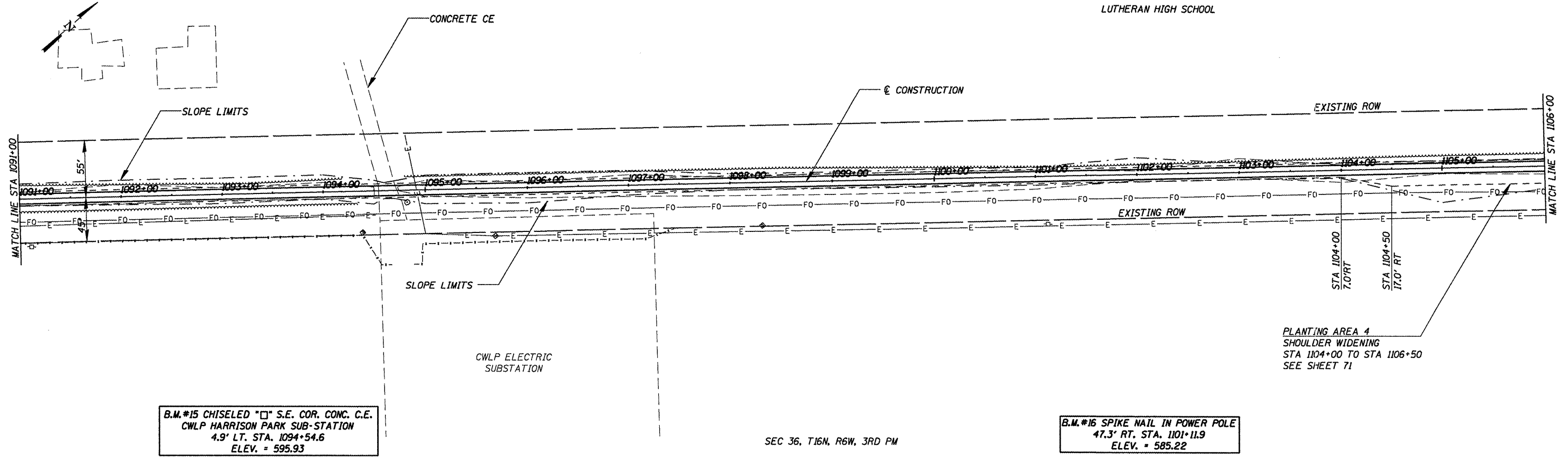
PLAN & PROFILE

SCALE: SHEET NO. OF SHEETS STA. 1076+00 TO STA. 1091+00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00173-00-BT	SANGAMON	173	31
CONTRACT NO.			93522	
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				

DATE	
BY	
SUBMITTED	
PLOTTED	
ALIGNMENT CHECKED	
CONSTRUCTION CHECKED	
NOTE BOOK NO.	
CARD FILE NAME	

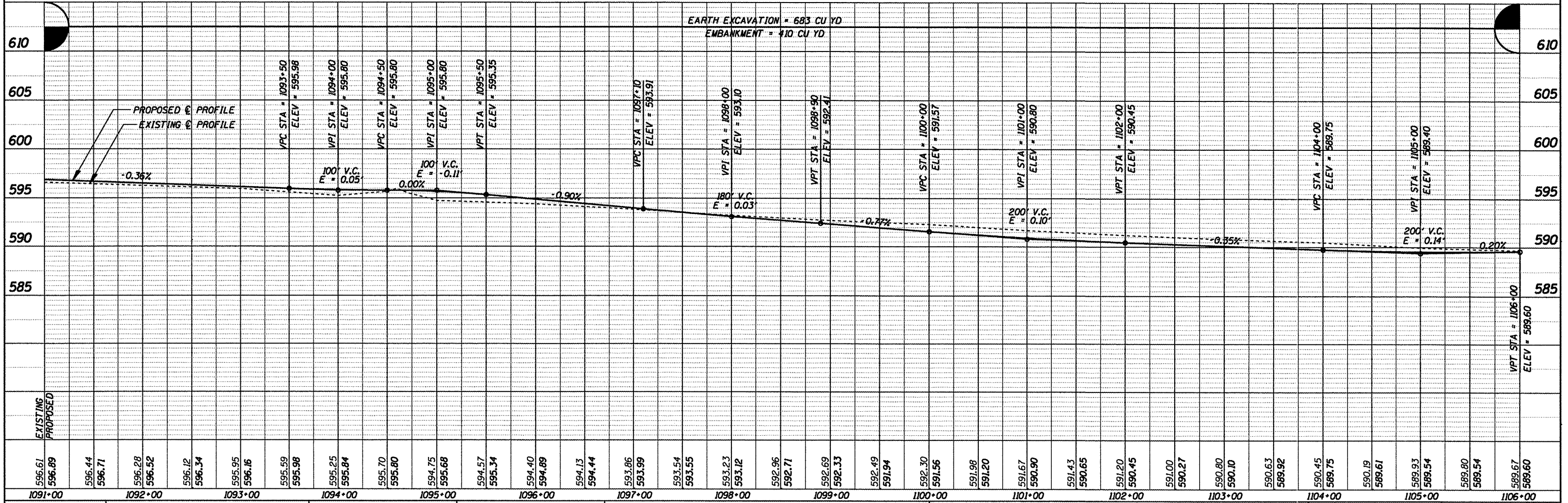
DATE	
BY	
SUBMITTED	
PLOTTED	
GRADING CHECKED	
STRUCTURE NOTATIONS CHECKED	
NOTE BOOK NO.	
CARD FILE NAME	



B.M.#15 CHISELED 15" S.E. COR. CONC. C.E.
 CWL P HARRISON PARK SUB-STATION
 4.9' LT. STA. 1094+54.6
 ELEV. = 595.93

SEC 36, T16N, R6W, 3RD PM

B.M.#16 SPIKE NAIL IN POWER POLE
 47.3' RT. STA. 1101+11.9
 ELEV. = 585.22



1091+00	1092+00	1093+00	1094+00	1095+00	1096+00	1097+00	1098+00	1099+00	1100+00	1101+00	1102+00	1103+00	1104+00	1105+00	1106+00
596.61	596.89	596.44	596.71	596.28	596.52	596.12	596.34	595.95	596.16	595.59	595.98	595.25	595.84	595.70	595.80
594.40	594.89	594.13	594.44	593.86	593.99	593.54	593.55	593.23	593.12	592.96	592.71	592.69	592.33	592.49	591.94
591.56	591.98	591.20	590.45	591.00	591.57	591.67	590.90	591.43	590.65	591.20	590.45	591.00	590.27	590.80	590.10
589.67	589.60	589.45	589.75	589.19	589.61	589.93	589.54	589.80	589.54	589.67	589.60	589.45	589.75	589.19	589.61

CUMMINS ENGINEERING CORPORATION

JOB = 2192
 FILE NAME = p&pl1895.dgn
 PLOT SCALE = 1/8" = 100.000' / 1"
 PLOT DATE = 6/5/2009

DESIGNED - NAK
 DRAWN - AJH
 CHECKED - NAK
 DATE - 1/22/2009

REVISED -
 REVISED -
 REVISED -
 REVISED -

SANGAMON VALLEY TRAIL

PLAN & PROFILE

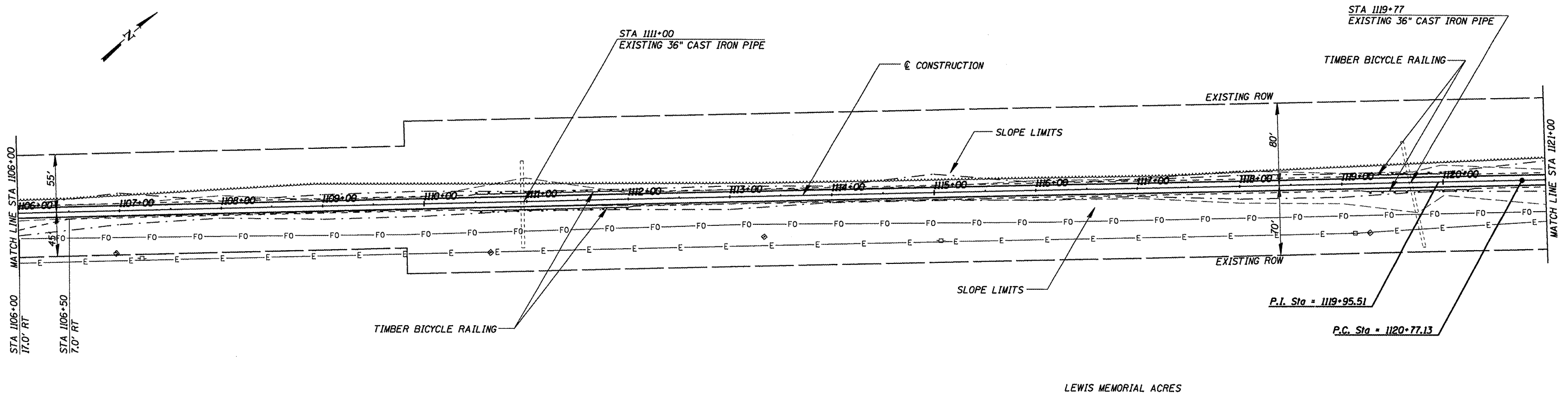
SCALE: SHEET NO. OF SHEETS STA. 1091+00 TO STA. 1106+00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
05-00173-00-BT		SANGAMON	173	32
CONTRACT NO.				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

93522

DATE	
BY	
REVISIONS	
NO.	
PLAN	
NO.	
NOTE BOOK	
NO.	
ADD. FILE NAME	

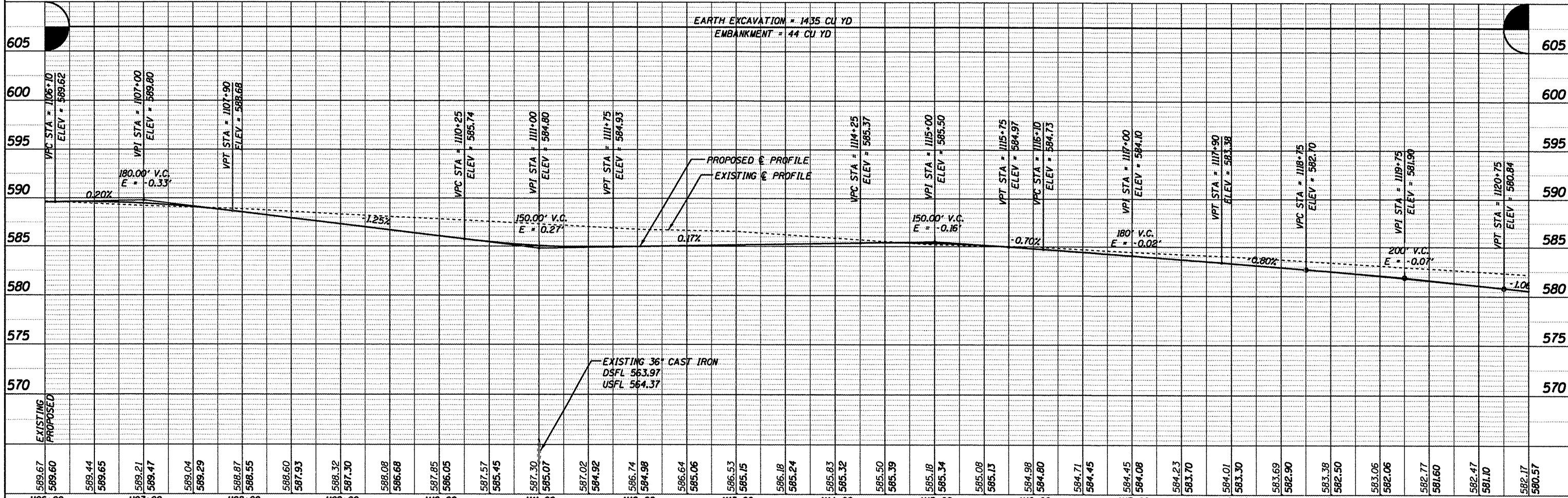
DATE	
BY	
REVISIONS	
NO.	
PROFILE	
NO.	
NOTE BOOK	
NO.	
ADD. FILE NAME	



B.M.#17 R.R. SPIKE NAIL IN POWER POLE
47.2' RT. STA. 1107+21.2
ELEV. = 588.06

SEC 36, T16N, R6W, 3RD PM

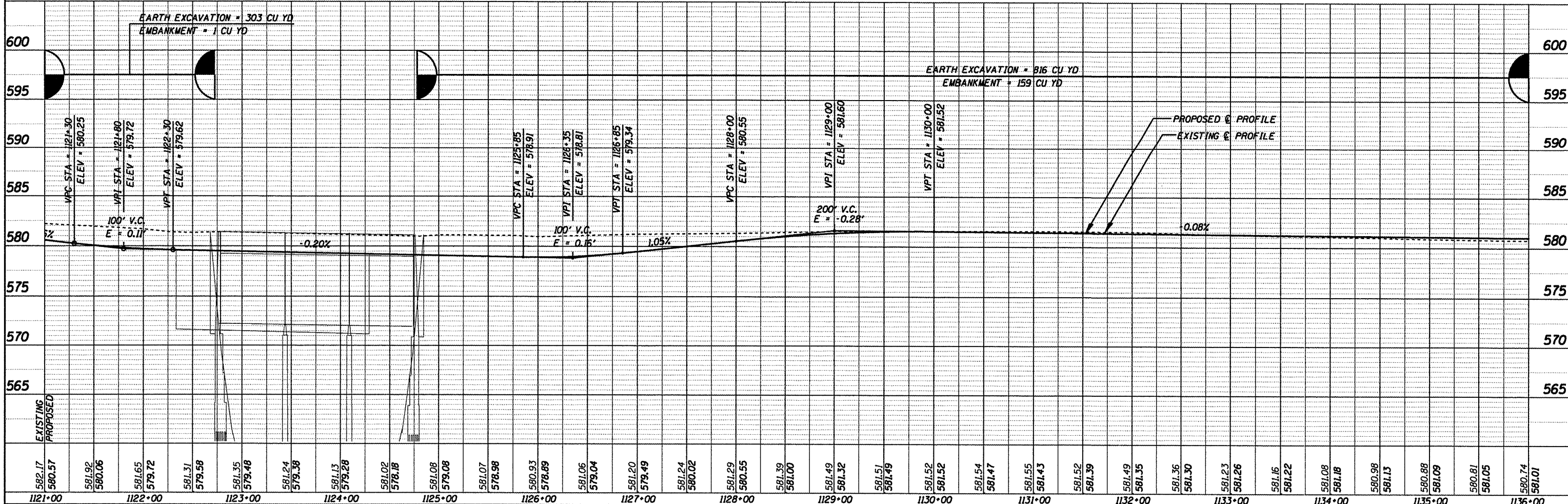
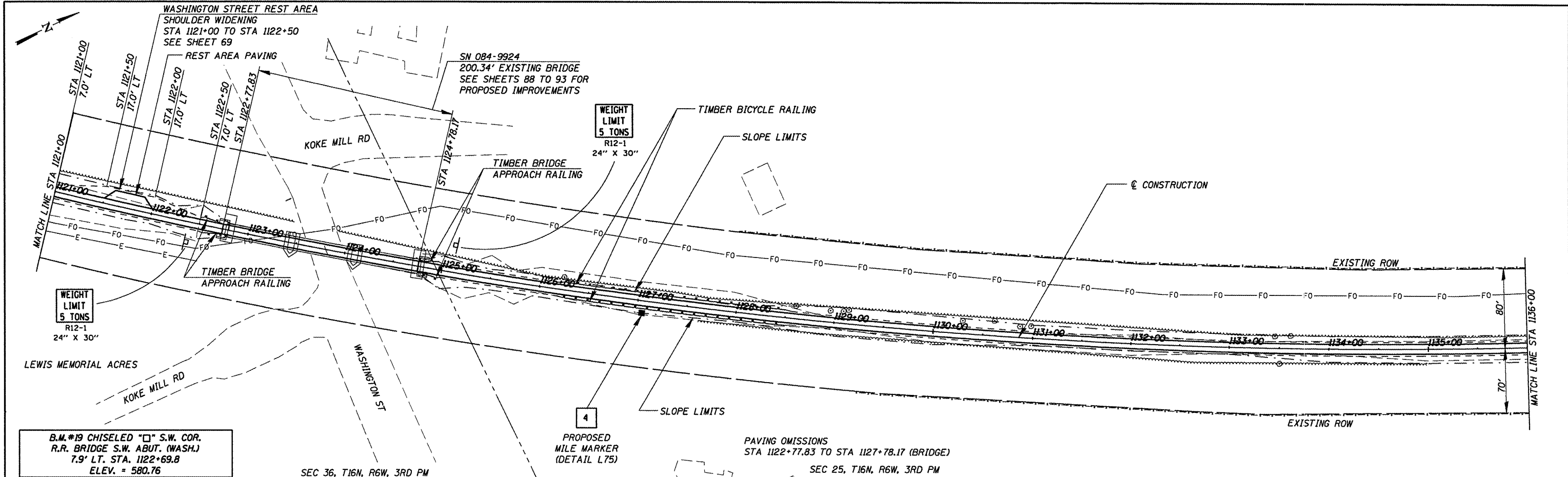
B.M.#18 SPIKE NAIL IN POWER POLE
47.5' RT. STA. 1115+16.0
ELEV. = 582.92



CUMMINS ENGINEERING CORPORATION JOB = 2192 FILE NAME = p&p1110.dgn PLOT SCALE = 1/8" = 100.000' / 1" PLOT DATE = 6/5/2009	DESIGNED - NAK DRAWN - AJH CHECKED - NAK DATE - 1/22/2009	REVISED - REVISED - REVISED - REVISED -	SANGAMON VALLEY TRAIL	PLAN & PROFILE	SCALE: _____ OF _____ SHEETS STA. 1106+00 TO STA. 1121+00	SECTION 05-00173-00-BT	COUNTY SANGAMON	TOTAL SHEETS 173	SHEET NO. 33
	CONTRACT NO. _____					FED. ROAD DIST. NO. _____	ILLINOIS FED. AID PROJECT _____	03522	

DATE	
BY	
DESIGNED	
PLANNED	
NOTED	
CHECKED	
DATE	
NO.	

DATE	
BY	
DESIGNED	
PLANNED	
NOTED	
CHECKED	
DATE	
NO.	



1121+00	1122+00	1123+00	1124+00	1125+00	1126+00	1127+00	1128+00	1129+00	1130+00	1131+00	1132+00	1133+00	1134+00	1135+00	1136+00
582.17	580.57	581.92	580.06	581.65	579.72	581.31	579.58	581.35	579.48	581.24	579.38	581.13	579.28	581.02	578.18
581.08	579.08	581.07	578.98	580.93	578.89	581.06	579.04	581.20	579.49	581.24	580.02	581.29	580.55	581.39	581.00
581.49	581.32	581.51	581.49	581.52	581.52	581.54	581.47	581.55	581.43	581.52	581.39	581.49	581.35	581.36	581.30
581.23	581.26	581.16	581.22	581.08	581.18	580.98	581.13	580.88	581.09	580.81	581.05	580.74	581.01		

CUMMINS
ENGINEERING
CORPORATION

JOB = 2192
FILE NAME = p&p1125.dgn
PLOT SCALE = 1/8" = 100.000' / IN.
PLOT DATE = 6/8/2009

DESIGNED - NAK
DRAWN - AJH
CHECKED - NAK
DATE - 1/22/2009

REVISED -
REVISED -
REVISED -
REVISED -

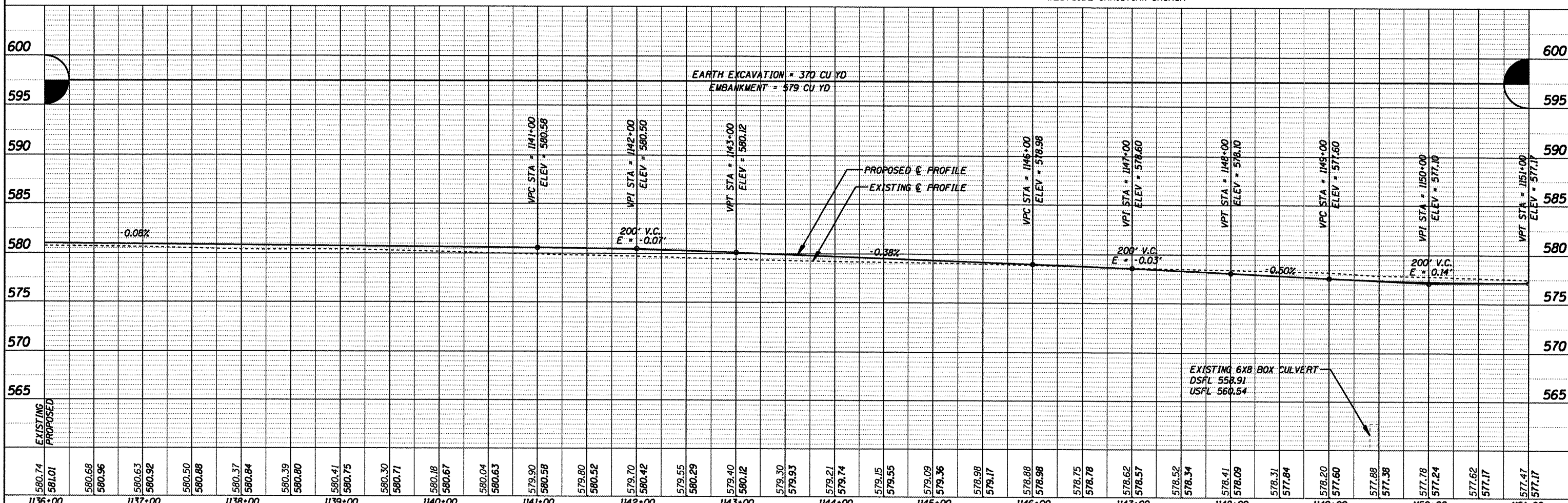
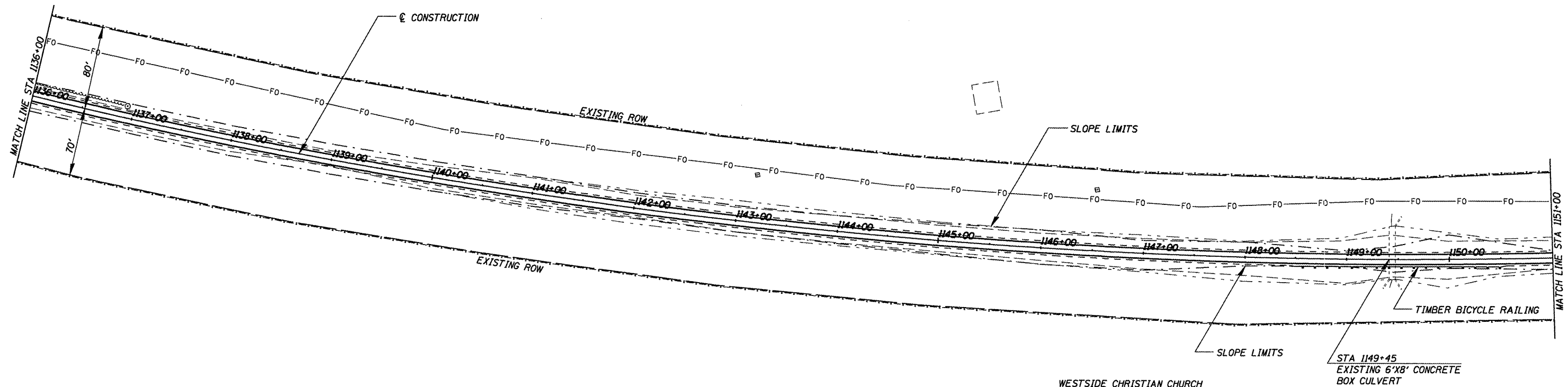
SANGAMON VALLEY TRAIL

PLAN & PROFILE

SCALE: SHEET NO. OF SHEETS STA. 1121+00 TO STA. 1136+00

F.A.S. RTE. SECTION COUNTY TOTAL SHEETS SHEET NO.
05-00173-00-BT SANGAMON 173 34

CONTRACT NO. 99522



DATE	BY
DESIGNED	PLANNED
CHECKED	ALIGNED
NO.	FILE NAME

DATE	BY
DESIGNED	PLANNED
CHECKED	ALIGNED
NO.	FILE NAME

CUMMINS ENGINEERING CORPORATION

JOB = 2192
 FILE NAME = p&pl140.dgn
 PLOT SCALE = 100.000' / IN.
 PLOT DATE = 8/5/2009

DESIGNED - NAK	REVISED -
DRAWN - AJH	REVISED -
CHECKED - NAK	REVISED -
DATE - 1/22/2009	REVISED -

SANGAMON VALLEY TRAIL

PLAN & PROFILE

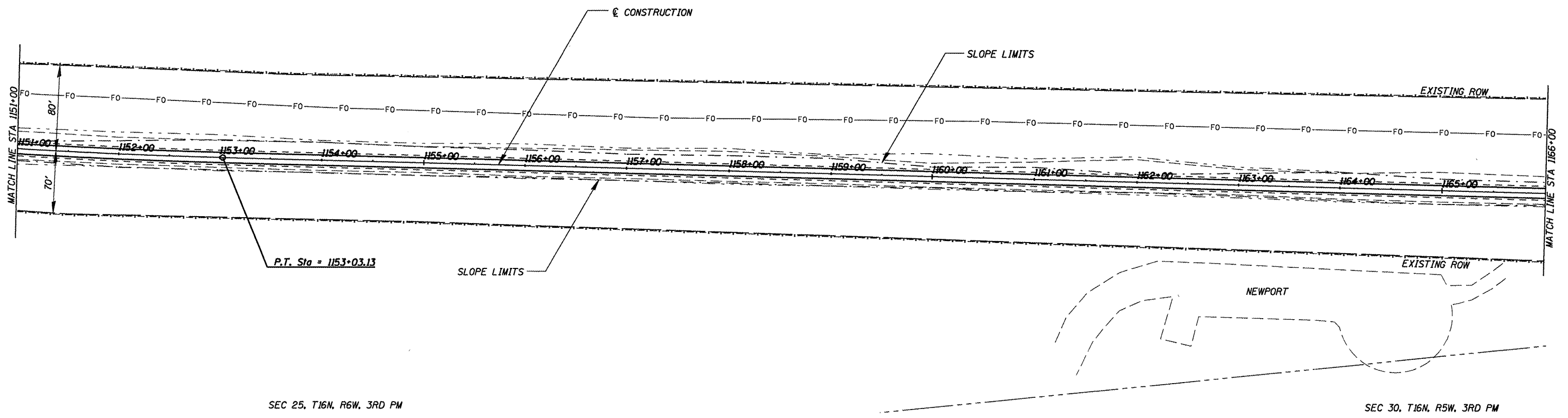
SCALE: SHEET NO. OF SHEETS STA. 1136+00 TO STA. 1151+00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00173-00-BT	SANGAMON	173	35
CONTRACT NO.				

93522

DATE	
BY	
PLAN	
NO. _____	
NOTE BOOK	
NO. _____	
SURVEYED	
PLOTTED	
ALL DIMS. CHECKED	
STRUCTURE NOTATIONS OK'D	
CARD FILE NAME	

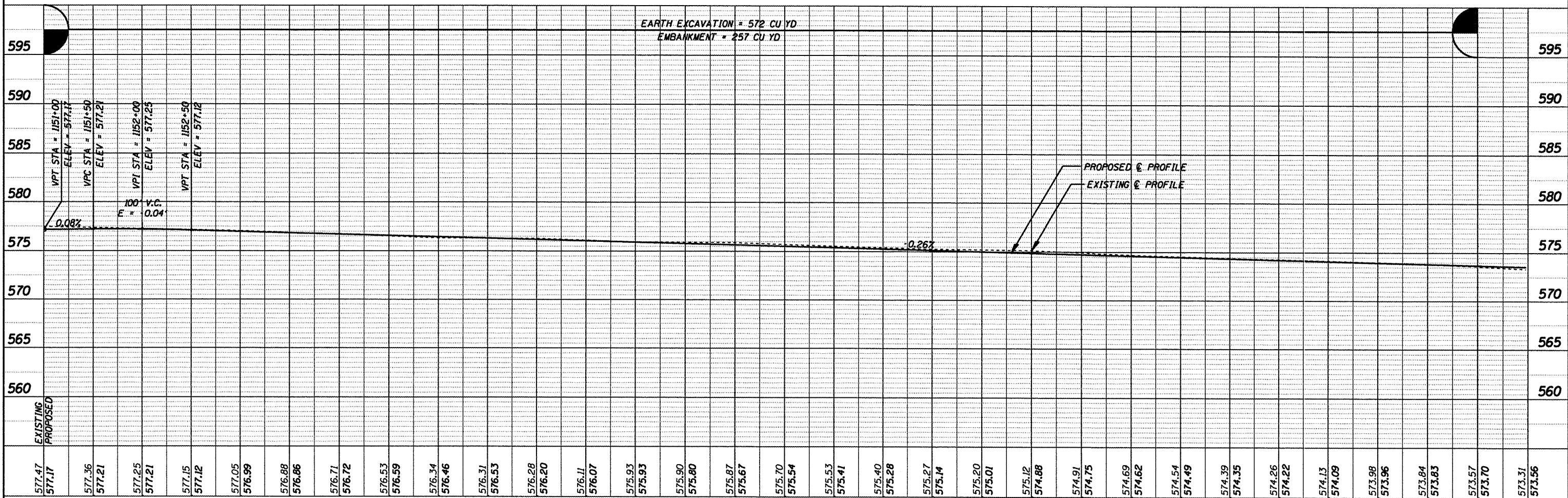
DATE	
BY	
PROFILE	
NO. _____	
NOTE BOOK	
NO. _____	
SURVEYED	
PLOTTED	
GRABES CHECKED	
STRUCTURE NOTATIONS OK'D	



SEC 25, T16N, R6W, 3RD PM

SEC 30, T16N, R5W, 3RD PM

EARTH EXCAVATION = 572 CU YD
EMBANKMENT = 257 CU YD



577.47	577.17	577.36	577.21	577.25	577.21	577.15	577.12	577.05	576.99	576.88	576.86	576.71	576.72	576.53	576.59	576.34	576.46	576.31	576.53	576.28	576.20	576.11	576.07	575.93	575.93	575.90	575.80	575.87	575.67	575.70	575.54	575.53	575.41	575.40	575.28	575.27	575.14	575.20	575.01	575.12	574.88	574.91	574.75	574.69	574.62	574.54	574.49	574.39	574.35	574.26	574.22	574.13	574.09	573.98	573.96	573.84	573.83	573.57	573.70	573.31	573.56
1151+00	1152+00	1153+00	1154+00	1155+00	1156+00	1157+00	1158+00	1159+00	1160+00	1161+00	1162+00	1163+00	1164+00	1165+00	1166+00																																														

CUMMINS ENGINEERING CORPORATION

JOB = 2192
FILE NAME = p&p1155.dgn
PLLOT SCALE = 100.000' / IN.
PLLOT DATE = 6/5/2009

DESIGNED - NAK
DRAWN - AJH
CHECKED - NAK
DATE - 1/22/2009

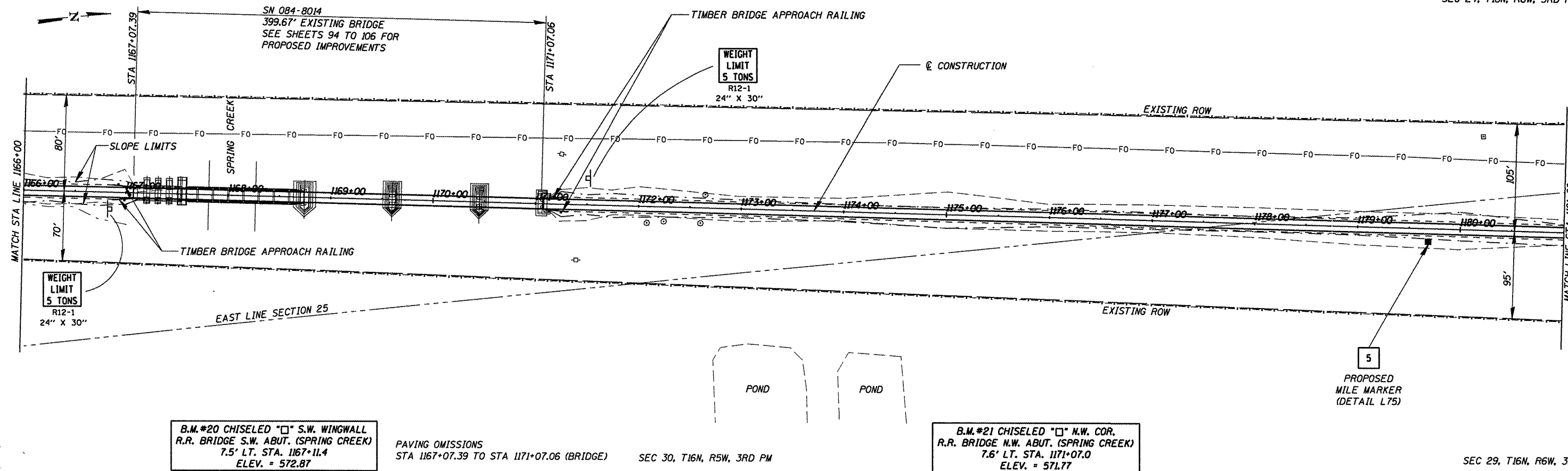
REVISED -
REVISED -
REVISED -
REVISED -

SANGAMON VALLEY TRAIL

PLAN & PROFILE

SCALE: SHEET NO. OF SHEETS STA. 1151+00 TO STA. 1166+00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00173-00-BT	SANGAMON	173	36
CONTRACT NO.				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



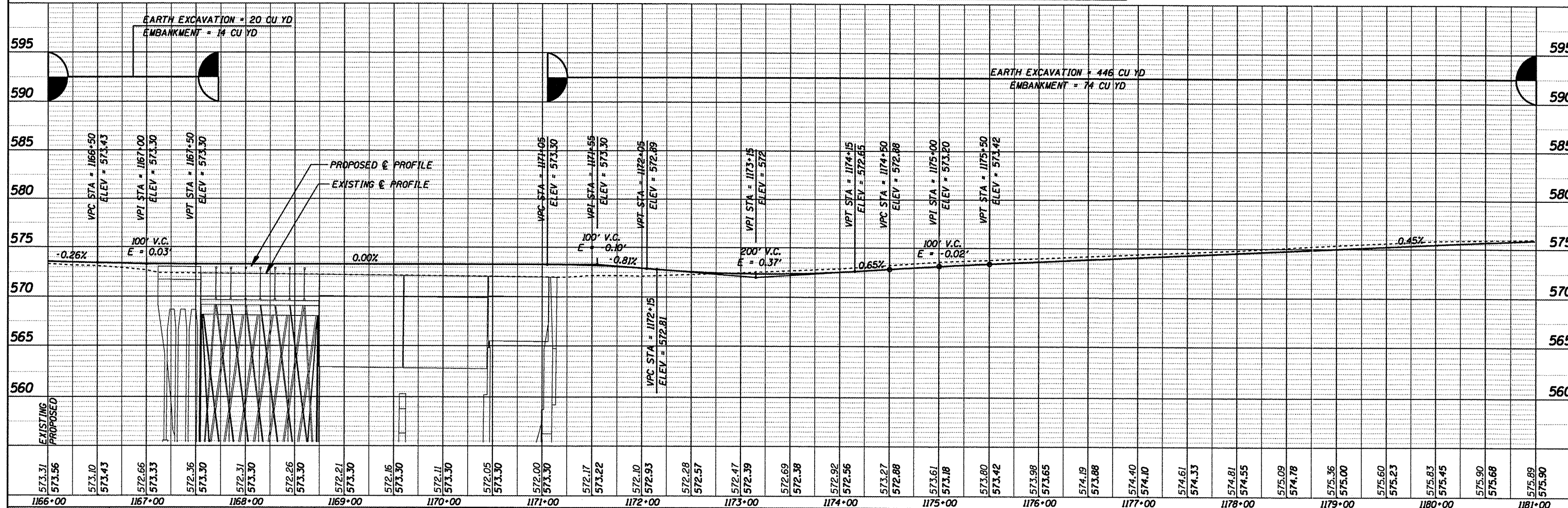
B.M.#20 CHISELED "□" S.W. WINGWALL
R.R. BRIDGE S.W. ABUT. (SPRING CREEK)
7.5' LT. STA. 1167+11.4
ELEV. = 572.87

PAVING OMISSIONS
STA 1167+07.39 TO STA 1171+07.06 (BRIDGE) SEC 30, T16N, R5W, 3RD PM

B.M.#21 CHISELED "□" N.W. COR.
R.R. BRIDGE N.W. ABUT. (SPRING CREEK)
7.6' LT. STA. 1171+07.0
ELEV. = 571.77

DATE	
BY	
PLAN	
NO.	
REVISIONS	
CHECKED	
ALIGNED	
DESIGNED	
DATE	

DATE	
BY	
PROFILE	
NO.	
REVISIONS	
CHECKED	
GRADES	
STRUCTURE	
NOTATIONS	



1166+00	1167+00	1168+00	1169+00	1170+00	1171+00	1172+00	1173+00	1174+00	1175+00	1176+00	1177+00	1178+00	1179+00	1180+00	1181+00
573.31	573.56	573.10	573.43	572.66	573.33	572.36	573.30	572.31	573.30	572.26	573.30	572.21	573.30	572.16	573.30
573.43	573.33	573.30	573.30	573.30	573.30	573.30	573.30	573.30	573.30	573.30	573.30	573.30	573.30	573.30	573.30

CUMMINS ENGINEERING CORPORATION

JOB = 2192
FILE NAME = p&p1178.dgn
PLOT SCALE = 100.000' / IN.
PLOT DATE = 6/9/2009

DESIGNED - NAK
DRAWN - AJH
CHECKED - NAK
DATE - 1/22/2009

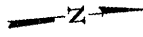
REVISED -
REVISED -
REVISED -
REVISED -

SANGAMON VALLEY TRAIL

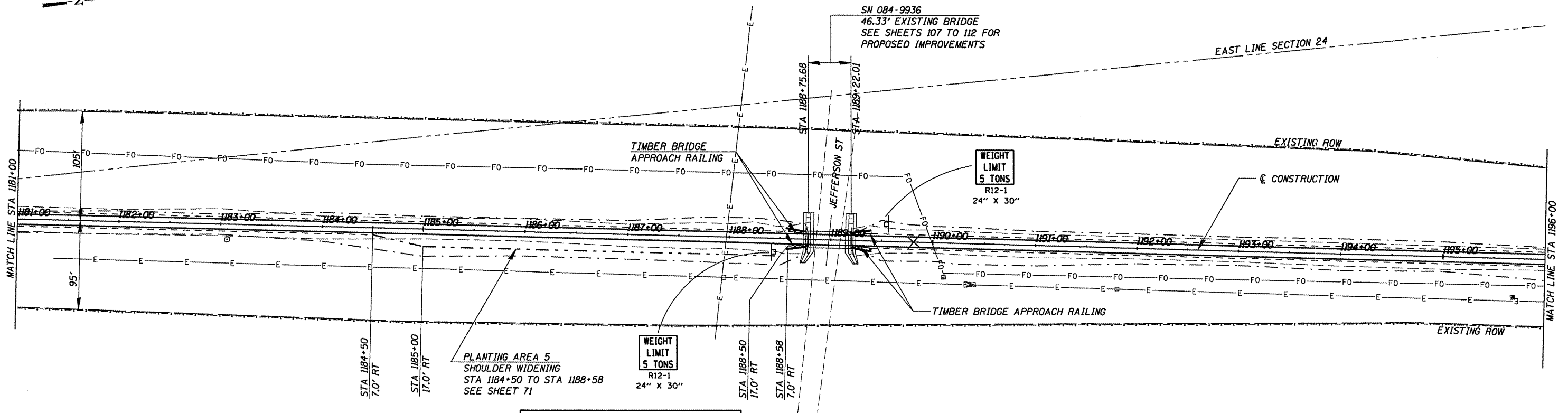
PLAN & PROFILE

SCALE: SHEET NO. OF SHEETS STA. 1166+00 TO STA. 1181+00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00173-00-BT	SANGAMON	173	37
CONTRACT NO. 93522				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



DATE	
BY	
PLAN	
NO.	
CHECKED	
DATE	
BY	
NO.	



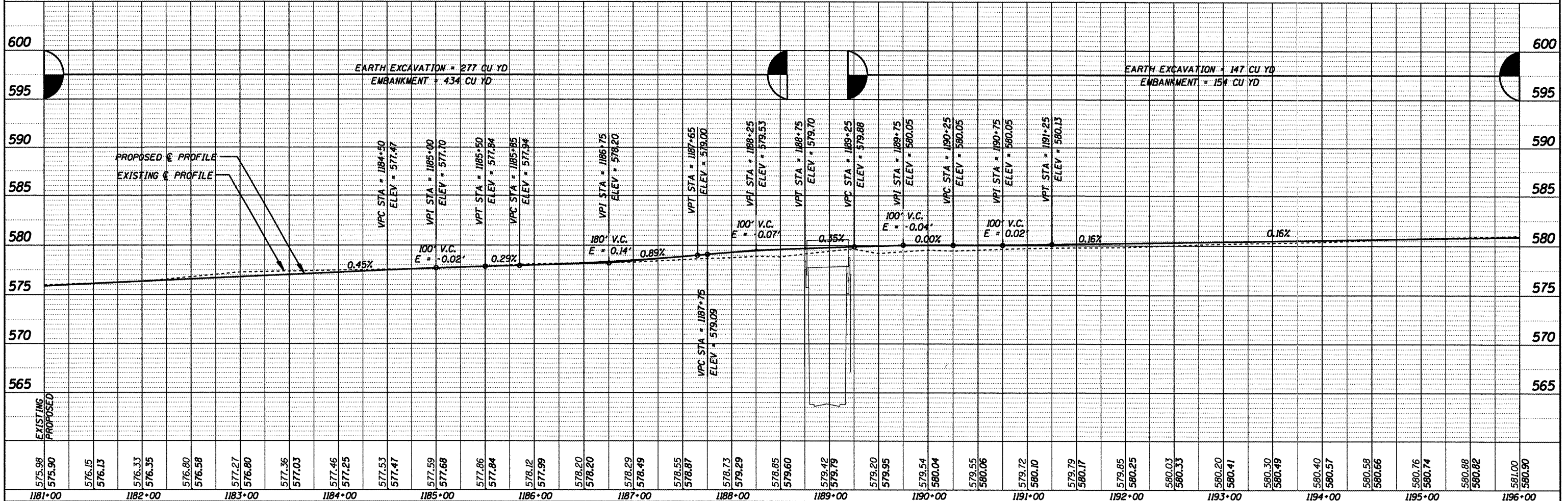
B.M.#22 SPIKE NAIL IN POWER POLE
39.8' RT. STA. 1184+6.0
ELEV. = 577.38

B.M.#23 CHISELED "+\" ON STEEL PLATE.
S.E. COR. R.R. BRIDGE (IL RTE 97)
5.99' RT. STA. 1188+78.89
ELEV. = 579.32

PAVING OMISSIONS
STA 1188+75.68 TO STA 1189+22.01 (BRIDGE)

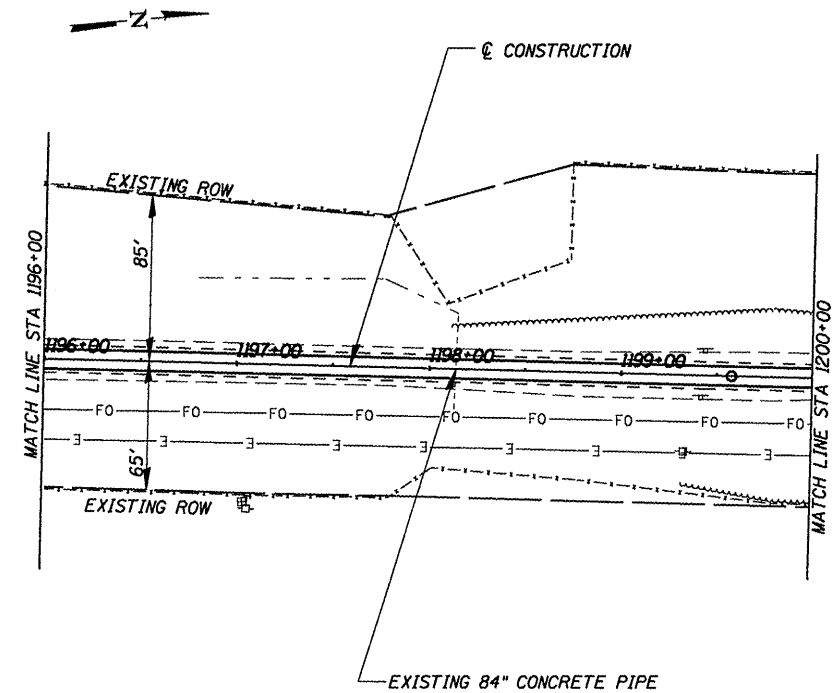
B.M.#24 SPIKE NAIL IN POWER POLE
38.6' RT. STA. 1195+54.1
ELEV. = 577.47

DATE	
BY	
PROFILE	
NO.	
CHECKED	
DATE	
BY	
NO.	

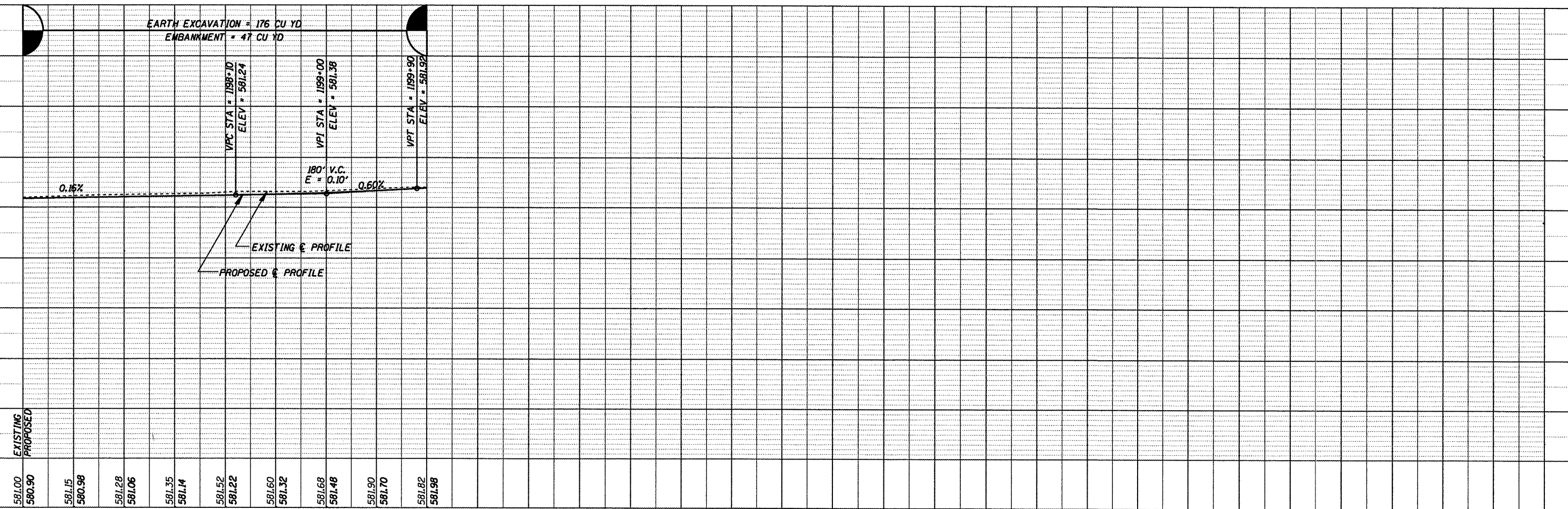


CUMMINS ENGINEERING CORPORATION JOB = 2192 FILE NAME = p&p1185.dgn PLOT SCALE = 100.000' / IN. PLOT DATE = 6/8/2009	DESIGNED - NAK DRAWN - AJH CHECKED - NAK DATE - 1/22/2009	REVISED - REVISED - REVISED - REVISED -	SANGAMON VALLEY TRAIL	PLAN & PROFILE	SCALE: _____ SHEET NO. _____ OF _____ SHEETS STA. 1181+00 TO STA. 1196+00
	F.A.S. RTE. SECTION COUNTY COUNTY TOTAL SHEETS SHEET NO. 05-00173-00-BT SANGAMON 173 38				
	CONTRACT NO. 00522				

DATE	
BY	
DESIGNED	
PLANNED	
CHECKED	
FILE NAME	
NO.	



DATE	
BY	
DESIGNED	
PLANNED	
CHECKED	
FILE NAME	
NO.	



CUMMINS ENGINEERING CORPORATION	JOB = 2192	DESIGNED - NAK	REVISED -
	FILE NAME = p&pl200.dgn	DRAWN - AJH	REVISED -
	PLT SCALE = 100.000' / IN.	CHECKED - NAK	REVISED -
	PLDT DATE = 6/5/2009	DATE - 1/22/2009	REVISED -

SANGAMON VALLEY TRAIL

PLAN & PROFILE

SCALE: SHEET NO. OF SHEETS STA. 1196+00 TO STA. 1211+00

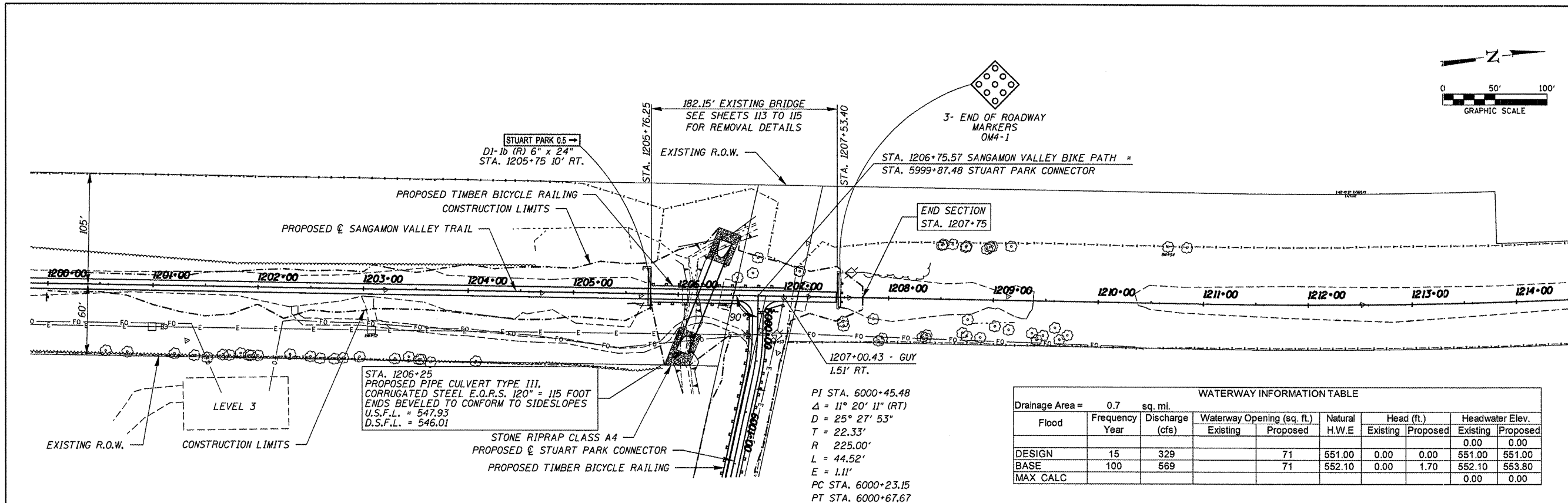
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00173-00-BT	SANGAMON	173	39
CONTRACT NO.				
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				

93522

DATE _____ BY _____

APPROVED: _____
DESIGNED, DRAWN, CHECKED, ALIGNED, REVIEWED, IN CHARGE, DATE

PLAN: _____
NOTE BOOK NO. FILE NAME NO.



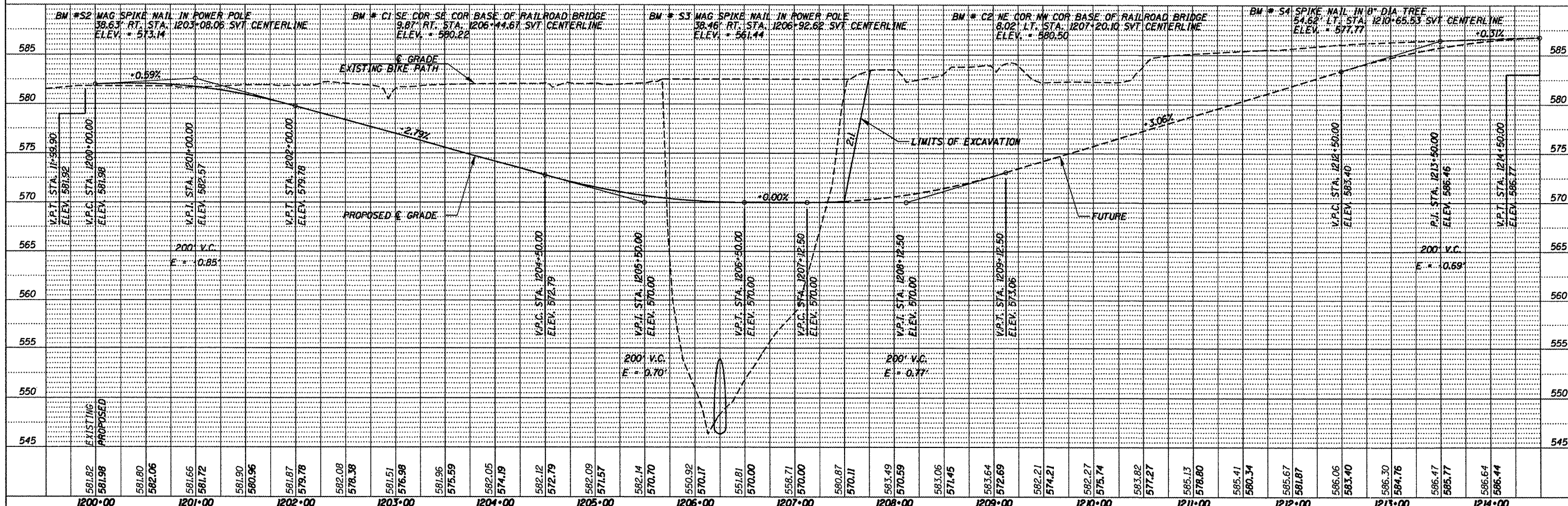
WATERWAY INFORMATION TABLE

Drainage Area = 0.7 sq. mi.					
Flood Frequency Year	Discharge (cfs)	Waterway Opening (sq. ft.)	Natural H.W.E.	Head (ft.)	Headwater Elev.
		Existing	Proposed	Existing	Proposed
DESIGN	15	329	71	551.00	0.00
BASE	100	569	71	552.10	1.70
MAX CALC				552.10	553.80
				0.00	0.00

DATE _____ BY _____

APPROVED: _____
DESIGNED, DRAWN, CHECKED, ALIGNED, REVIEWED, IN CHARGE, DATE

PROFILE: _____
NOTE BOOK NO. FILE NAME NO.



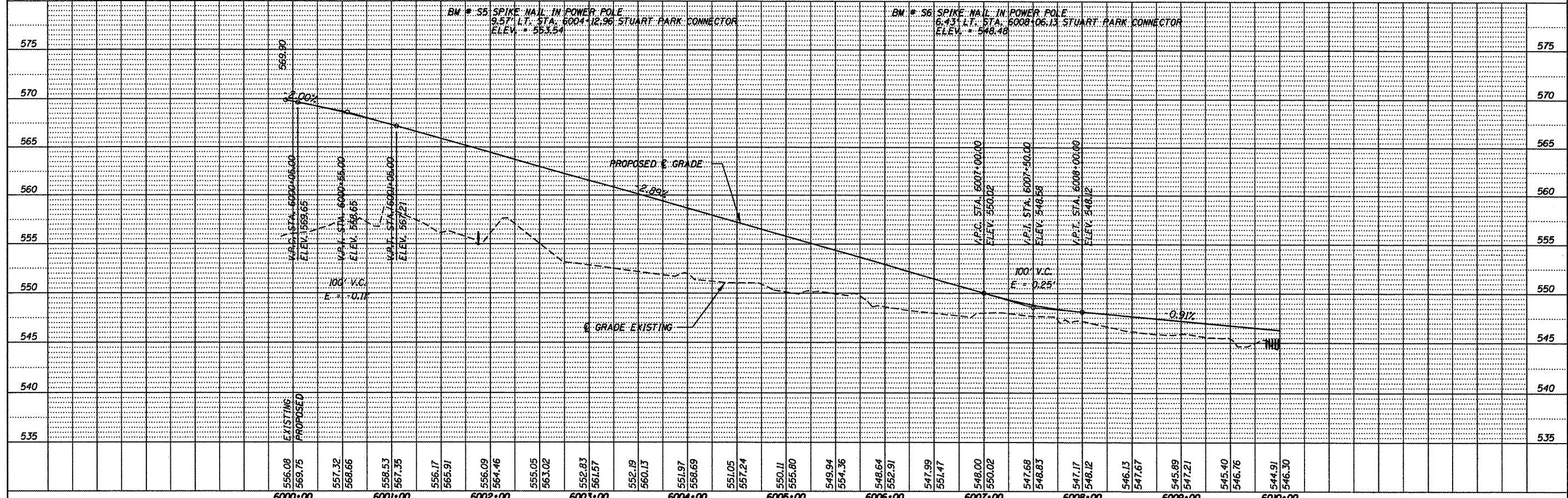
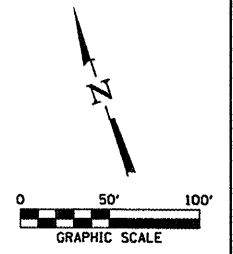
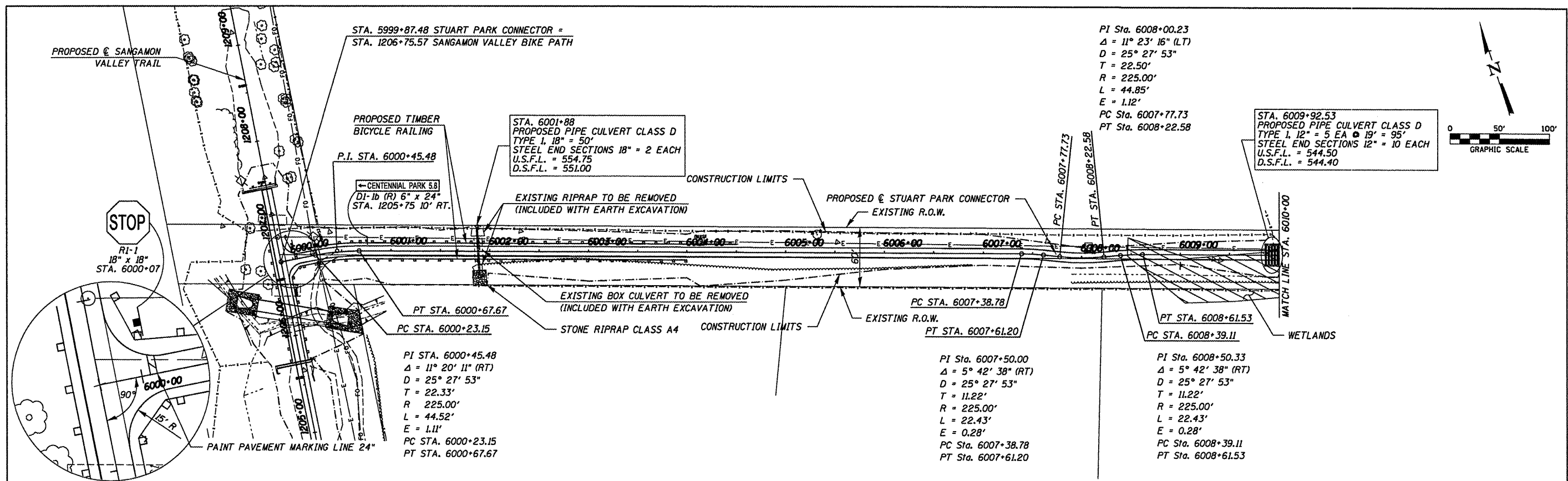
FILE NAME -	USER NAME -	DESIGNED - L.F.S.	REVISED -	 HAMPTON, LENZINI & RENWICK, INC. CIVIL & STRUCTURAL ENGINEERS LAND SURVEYORS SCALE: _____ SHEET NO. _____ OF SHEETS _____ STA. TO STA. _____	SECTION	COUNTY	TOTAL SHEET NO.
84898-sht-pb81-alt14.dgn		DRAWN - TWK	REVISED -		05-00173-00-BT	SANGAMON	173
		CHECKED - S.W.M.	REVISED -		CONTRACT NO.		
		DATE - 02/09/09	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		
					99522		

SANGAMON VALLEY TRAIL

PLAN & PROFILE SVT

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

DATE: _____ BY: _____
 SURVEYED: _____
 PLOTTED: _____
 CHECKED: _____
 NO. _____
 PROFILE: _____
 NOTE BOOK: _____
 NO. _____
 FILE NAME: _____



FILE NAME = 84898-sh-t-pp01-e114A-OP3.dgn	USER NAME =	DESIGNED - L.F.S.	REVISED -	HAMPTON, LENZINI & RENWICK, INC. CIVIL & STRUCTURAL ENGINEERS LAND SURVEYORS SCALE: SHEET NO. OF SHEETS	PLAN & PROFILE STUART PARK CONNECTOR STA. TO STA.	SECTION 05-00173-00-BT	COUNTY SANGAMON	TOTAL SHEETS 173	SHEET NO. 41
PLOT SCALE =	DRAWN - TWK	REVISED -	CONTRACT NO.						
PLOT DATE = 5/28/2009	CHECKED - S.W.M.	REVISED -	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT						
DATE - 02/09/09	DATE -	REVISED -							

93522

PLAN	SUBMITTED	DATE
	PLOTTED	
	CHECKED	
	BY	
	NO. OF DAYS CHECKED	
	DATE FILE NAME	

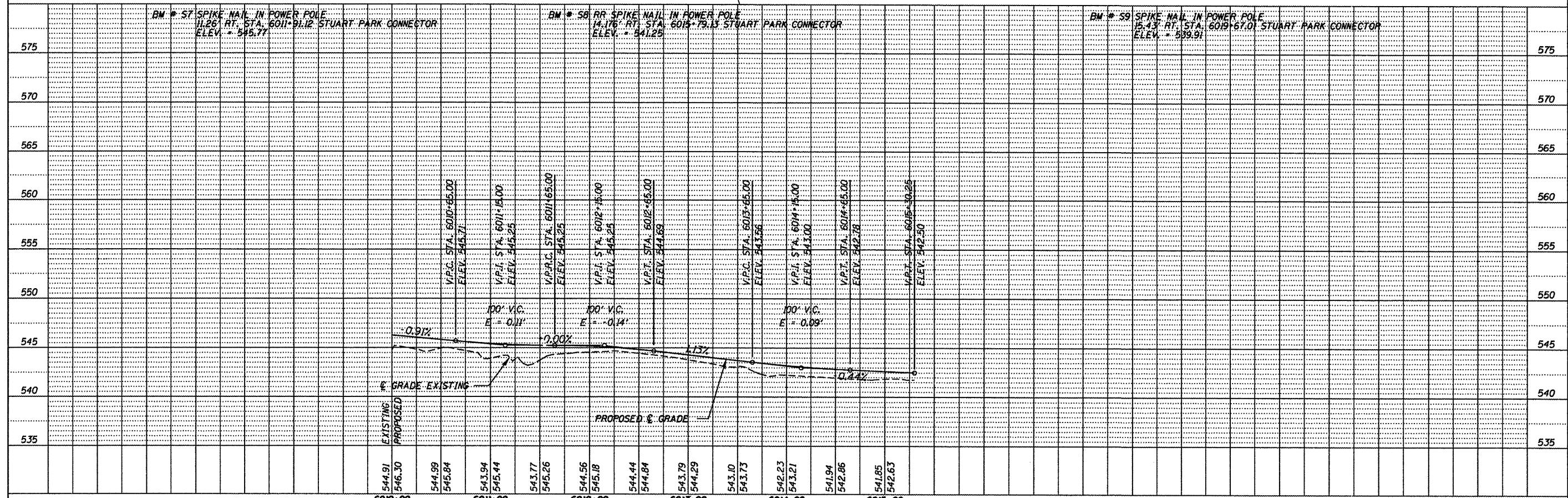
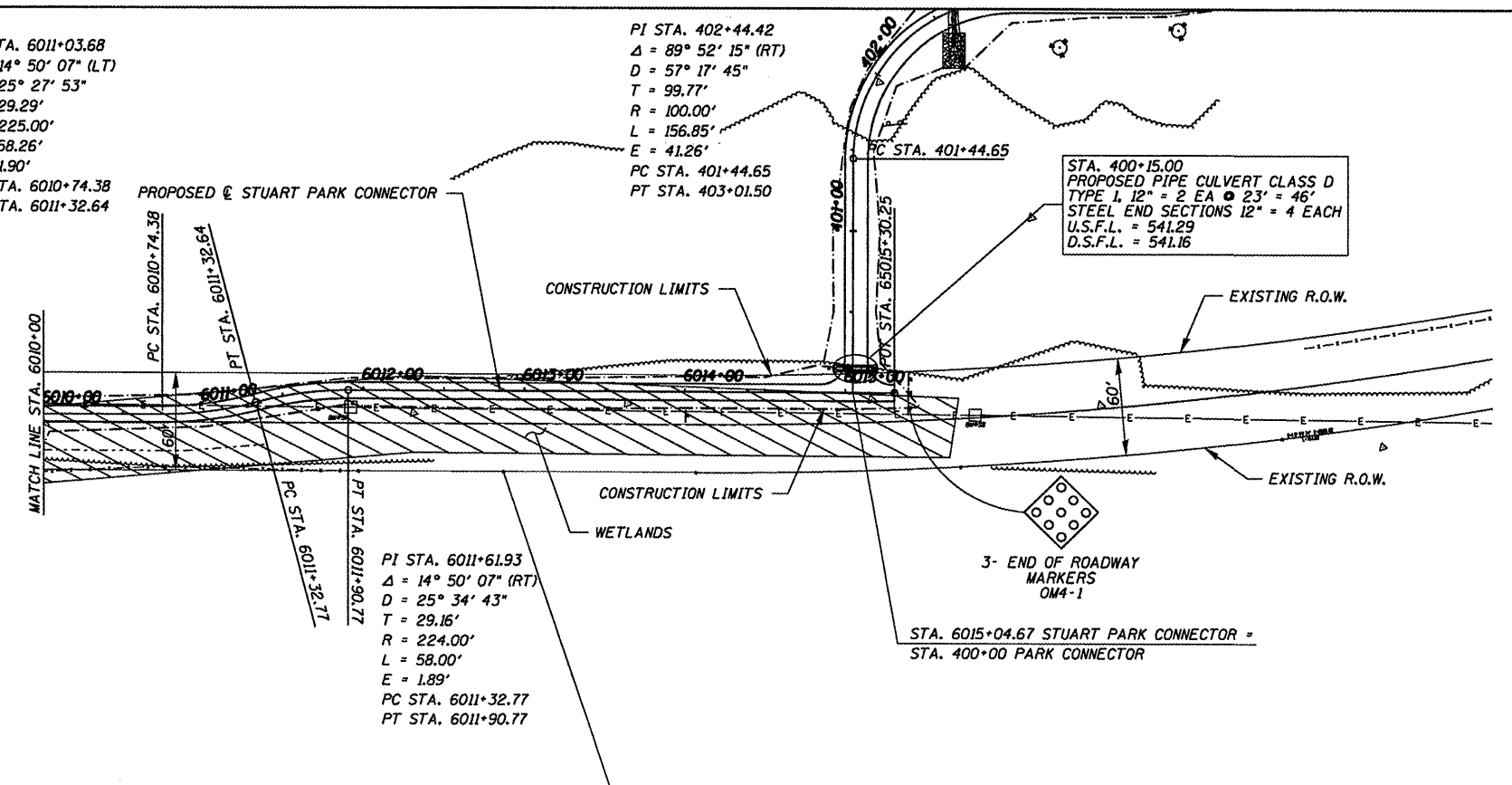
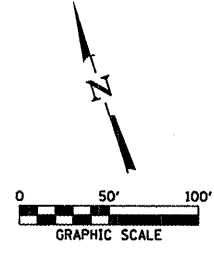
PROFILE	SUBMITTED	DATE
	PLOTTED	
	CHECKED	
	BY	
	NO. OF DAYS CHECKED	
	DATE FILE NAME	

PI STA. 6011+03.68
 $\Delta = 14^\circ 50' 07" (LT)$
 $D = 25^\circ 27' 53"$
 $T = 29.29'$
 $R = 225.00'$
 $L = 58.26'$
 $E = 1.90'$
 PC STA. 6010+74.38
 PT STA. 6011+32.64

PI STA. 402+44.42
 $\Delta = 89^\circ 52' 15" (RT)$
 $D = 57^\circ 17' 45"$
 $T = 99.77'$
 $R = 100.00'$
 $L = 156.85'$
 $E = 41.26'$
 PC STA. 401+44.65
 PT STA. 403+01.50

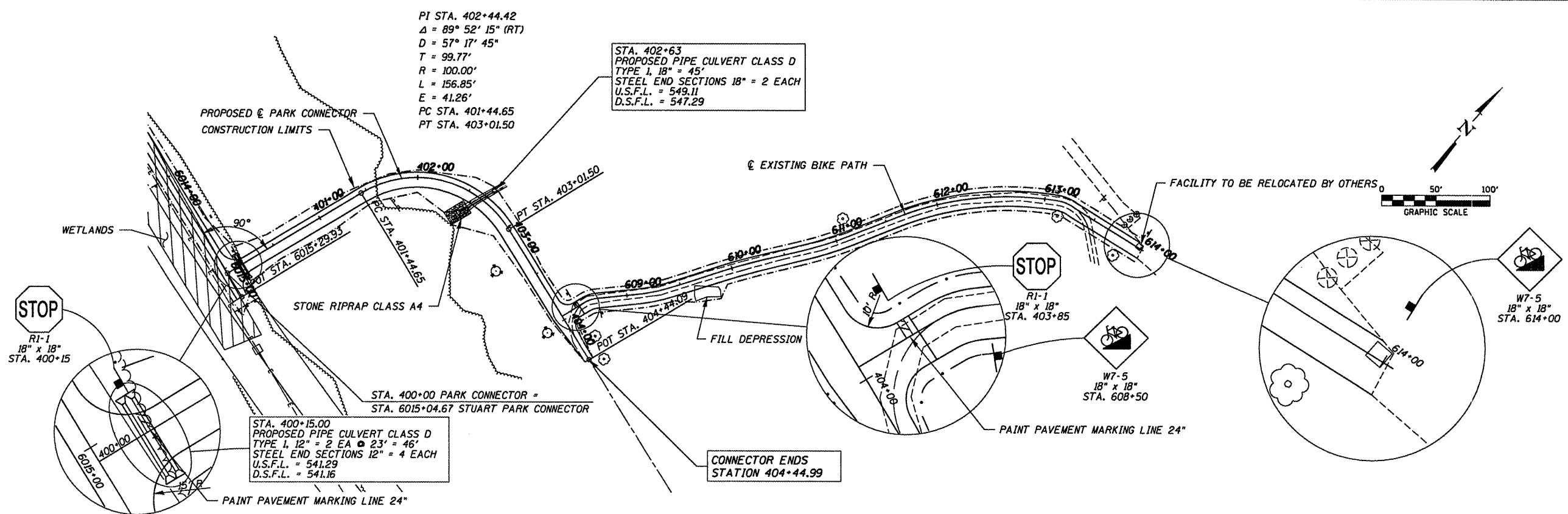
PI STA. 6011+61.93
 $\Delta = 14^\circ 50' 07" (RT)$
 $D = 25^\circ 34' 43"$
 $T = 29.16'$
 $R = 224.00'$
 $L = 58.00'$
 $E = 1.89'$
 PC STA. 6011+32.77
 PT STA. 6011+90.77

STA. 400+15.00
 PROPOSED PIPE CULVERT CLASS D
 TYPE L 12" = 2 EA @ 23' = 46'
 STEEL END SECTIONS 12" = 4 EACH
 U.S.F.L. = 541.29
 D.S.F.L. = 541.16

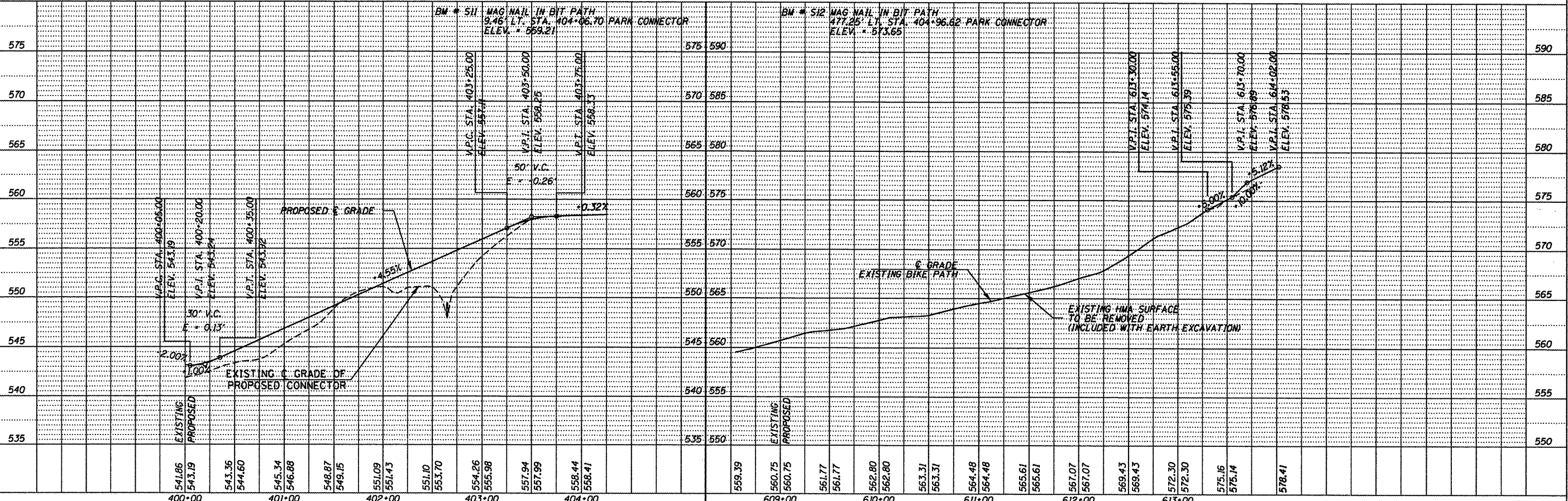



FILE NAME : 84978-sh1-pp02-alt14-0P3.dgn	USER NAME : L.F.S.	DESIGNED - L.F.S.	REVISED -	HAMPTON, LENZINI & RENWICK, INC. CIVIL & STRUCTURAL ENGINEERS LAND SURVEYORS	PLAN & PROFILE STUART PARK CONNECTOR	SECTION 05-00173-00-BT	COUNTY SANGAMON	TOTAL SHEETS 173	SHEET NO. 42	
PLOT SCALE :	CHECKED - S.W.M.	REVISED -	SCALE:			SHEET NO. OF SHEETS	STA. TO STA.	CONTRACT NO.		
PLOT DATE : 5/27/2009	DATE - 02/09/09	REVISED -						FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT 93522		


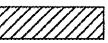
PLAN	DATE
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REVISIONS	
NO.	
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REVISIONS	
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REVISIONS	
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DATE	



PROFILE	DATE
BY	
REVISIONS	
NO.	
DATE	
BY	
REVISIONS	
NO.	
DATE	
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REVISIONS	
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REVISIONS	
NO.	
DATE	
BY	
REVISIONS	
NO.	
DATE	



FILE NAME = 84898-sh-pp83-alt14.dgn	USER NAME =	DESIGNED - L.F.S.	REVISED -	SANGAMON VALLEY TRAIL  HAMPTON, LENZINI & RENWICK, INC. CIVIL & STRUCTURAL ENGINEERS LAND SURVEYORS SCALE: 1" = 40'	PLAN & PROFILE PARK CONNECTOR STA. TO STA.	SECTION 05-00173-00-BT	COUNTY SANGAMON	TOTAL SHEETS 173	SHEET NO. 43
PLOT SCALE =	DRAWN - TWK	REVISED -	CONTRACT NO.			93522			
PLOT DATE = 5/27/2009	CHECKED - S.W.M.	REVISED -	FED. ROAD DIST. NO.						
	DATE = 02/09/09	REVISED -	ILLINOIS FED. AID PROJECT						

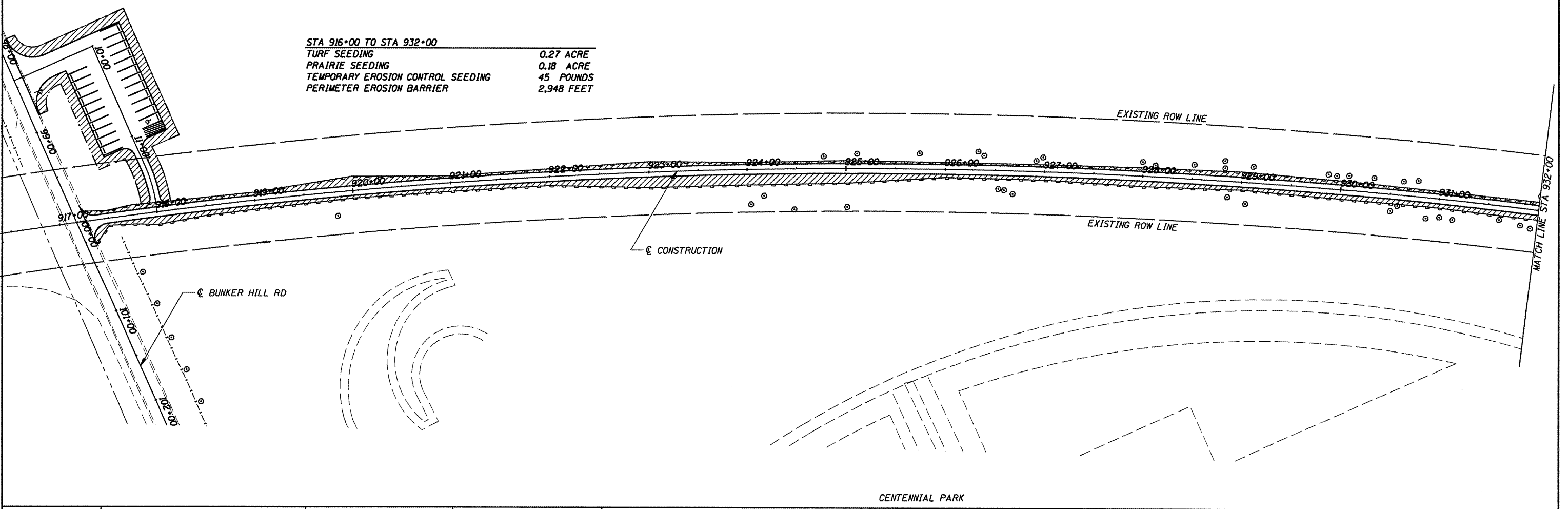
LEGEND	
	PERIMETER EROSION BARRIER
	SEEDING LIMITS

DISTURBED AREAS SHALL BE TEMPORARILY SEEDED AS SPECIFIED IN SECTION 280 OF THE STANDARD SPECIFICATIONS

THE FOLLOWING AREAS WILL BE SEEDED WITH TURF SEEDING:

1. A 2 FOOT WIDE STRIP ADJACENT TO EACH EDGE OF THE MAIN TRAIL STA 917+26.90 TO STA 1207+75
2. AT REST AREAS, CENTENNIAL PARK TRAIL HEAD AND PLANTING AREAS AS SHOWN IN THE PLANS
3. A 2 FOOT WIDE STRIP ADJACENT TO EACH EDGE OF THE CONNECTOR PAVEMENT LT STA 1027+81 AND 1089+10.5
4. ALL DISTURBED AREAS WITHIN 30 FEET OF THE EDGE OF PAVEMENT OF INTERSECTING STREETS
5. ALL DISTURBED AREAS ALONG THE STUART PARK CONNECTOR, PARK CONNECTOR, AND PARK PATHWAY

ALL OTHER AREAS WILL BE SEEDED WITH PRAIRIE SEEDING.



STA 916+00 TO STA 932+00	
TURF SEEDING	0.27 ACRE
PRAIRIE SEEDING	0.18 ACRE
TEMPORARY EROSION CONTROL SEEDING	45 POUNDS
PERIMETER EROSION BARRIER	2,948 FEET

CUMMINS
ENGINEERING
CORPORATION

JOB = 2192
FILE NAME = 2192erosion.dgn
PLOT SCALE = 100.000' / 1"
PLOT DATE = 6/5/2009

DESIGNED - NAK	REVISED -
DRAWN - AJH	REVISED -
CHECKED - NAK	REVISED -
DATE - 1/22/2009	REVISED -

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

SANGAMON VALLEY TRAIL

EROSION CONTROL PLAN

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00173-00-BT	SANGAMON	173	44
CONTRACT NO.				
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT 03522			

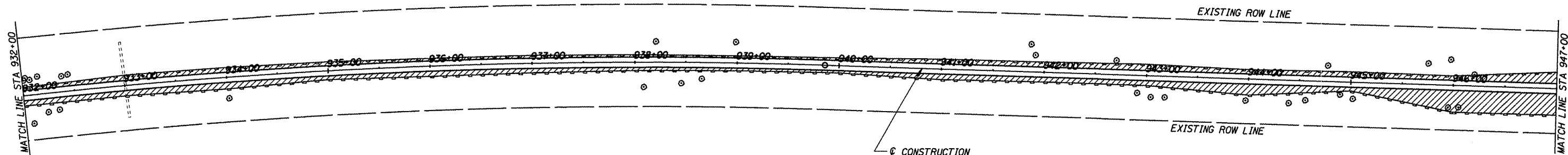
LEGEND

--- PERIMETER EROSION BARRIER

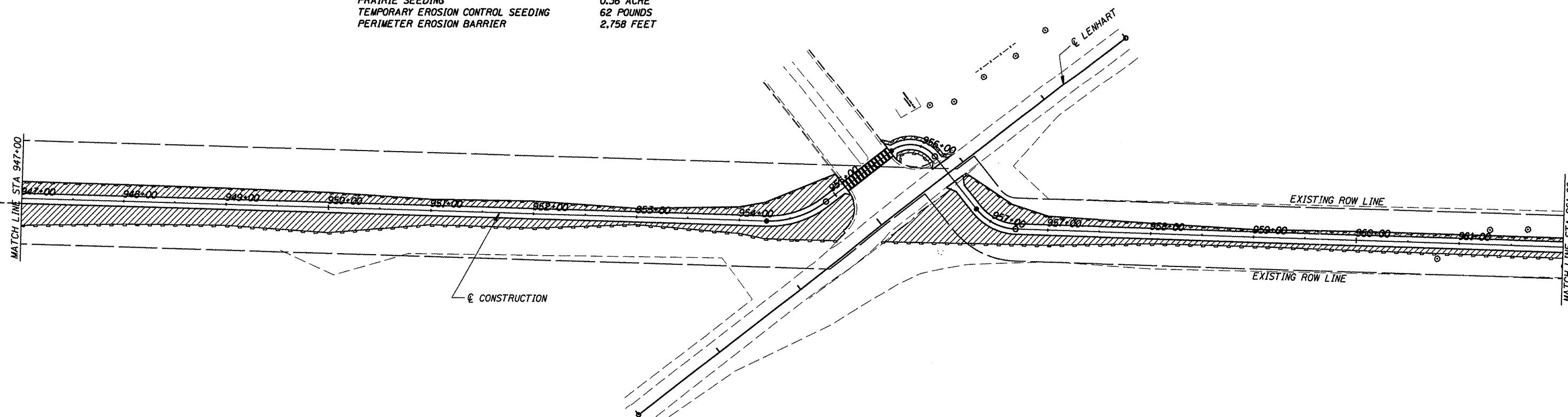
▨ SEEDING LIMITS

DISTURBED AREAS SHALL BE TEMPORARILY SEEDED AS SPECIFIED IN SECTION 280 OF THE STANDARD SPECIFICATIONS

STA 932+00 TO STA 947+00	
TURF SEEDING	0.14 ACRE
PRAIRIE SEEDING	0.23 ACRE
TEMPORARY EROSION CONTROL SEEDING	37 POUNDS
PERIMETER EROSION BARRIER	3,000 FEET



STA 947+00 TO STA 962+00	
TURF SEEDING	0.26 ACRE
PRAIRIE SEEDING	0.36 ACRE
TEMPORARY EROSION CONTROL SEEDING	62 POUNDS
PERIMETER EROSION BARRIER	2,758 FEET



CUMMINS ENGINEERING CORPORATION

JOB = 2192
 FILE NAME = 2192erosion.dgn
 PLOT SCALE = 100.000' / IN.
 PLOT DATE = 6/5/2009

DESIGNED - NAK	REVISED -
DRAWN - AJH	REVISED -
CHECKED - NAK	REVISED -
DATE - 1/22/2009	REVISED -


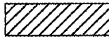
SANGAMON VALLEY TRAIL

EROSION CONTROL PLAN

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00173-00-BT	SANGAMON	173	45
CONTRACT NO.				

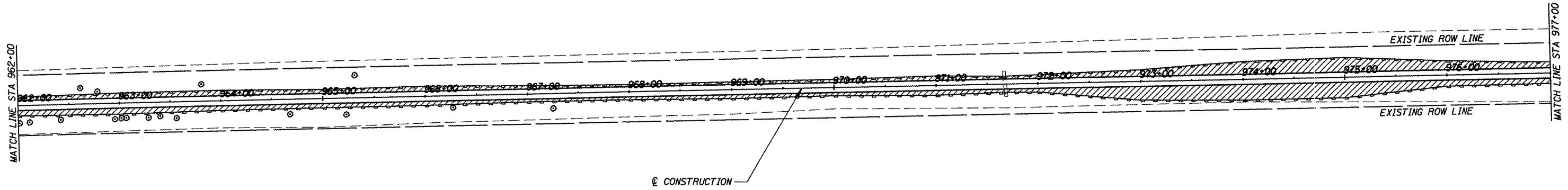
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT

93522

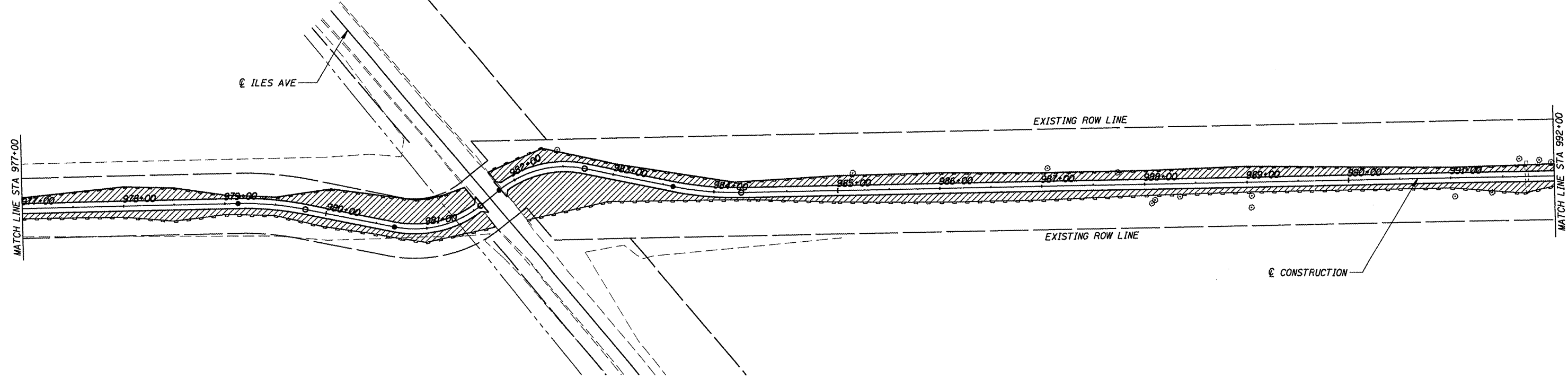
LEGEND	
	PERIMETER EROSION BARRIER
	SEEDING LIMITS

DISTURBED AREAS SHALL BE TEMPORARILY SEEDED AS SPECIFIED IN SECTION 280 OF THE STANDARD SPECIFICATIONS

STA 962+00 TO STA 977+00	
TURF SEEDING	0.14 ACRE
PRAIRIE SEEDING	0.27 ACRE
TEMPORARY EROSION CONTROL SEEDING	41 POUNDS
PERIMETER EROSION BARRIER	3,000 FEET



STA 977+00 TO STA 992+00	
TURF SEEDING	0.20 ACRE
PRAIRIE SEEDING	0.45 ACRE
TEMPORARY EROSION CONTROL SEEDING	65 POUNDS
PERIMETER EROSION BARRIER	2,930 FEET



CUMMINS ENGINEERING CORPORATION

JOB = 2192	DESIGNED - NAK	REVISED -
FILE NAME = 2192erosion.dgn	DRAWN - AJH	REVISED -
PLOT SCALE = 100.000' / IN.	CHECKED - NAK	REVISED -
PLOT DATE = 6/5/2009	DATE - 1/22/2009	REVISED -

SANGAMON VALLEY TRAIL

EROSION CONTROL PLAN

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00173-00-BT	SANGAMON	173	46
CONTRACT NO.				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

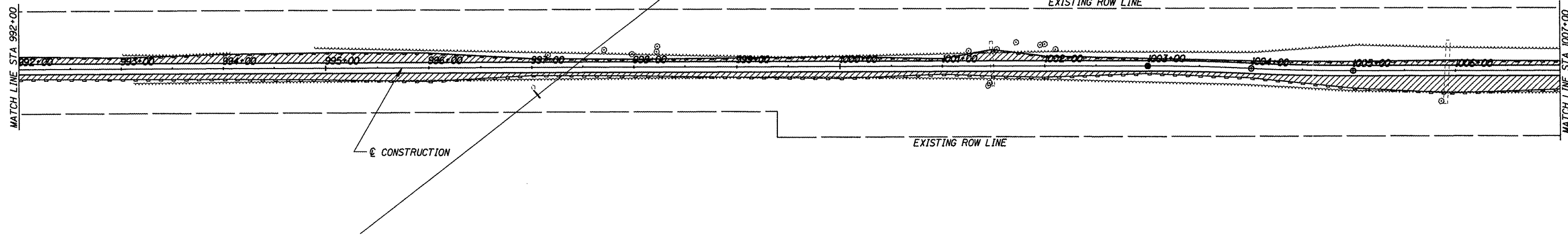
93522

LEGEND

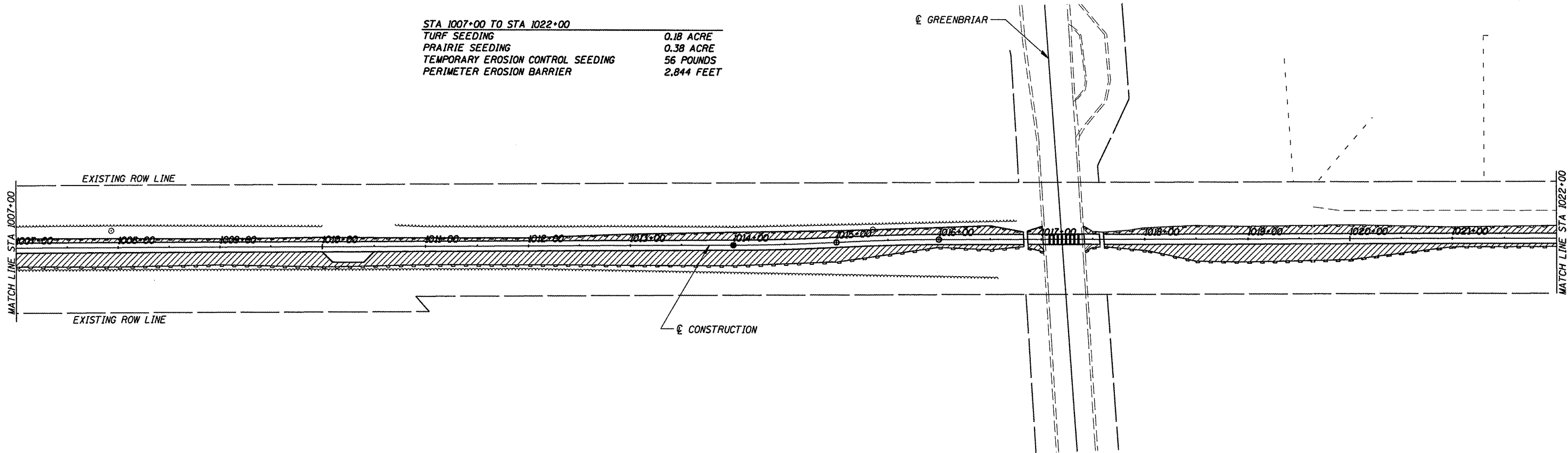
- PERIMETER EROSION BARRIER
- SEEDING LIMITS

DISTURBED AREAS SHALL BE TEMPORARILY SEEDED AS SPECIFIED IN SECTION 280 OF THE STANDARD SPECIFICATIONS

STA 992+00 TO STA 1007+00	
TURF SEEDING	0.14 ACRE
PRAIRIE SEEDING	0.25 ACRE
TEMPORARY EROSION CONTROL SEEDING	39 POUNDS
PERIMETER EROSION BARRIER	3,000 FEET



STA 1007+00 TO STA 1022+00	
TURF SEEDING	0.18 ACRE
PRAIRIE SEEDING	0.38 ACRE
TEMPORARY EROSION CONTROL SEEDING	56 POUNDS
PERIMETER EROSION BARRIER	2,844 FEET



CUMMINS ENGINEERING CORPORATION



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PLOT SCALE = 100.000' / IN.	CHECKED - NAK	REVISED -
PLOT DATE = 6/5/2009	DATE - 1/22/2009	REVISED -

SANGAMON VALLEY TRAIL

EROSION CONTROL PLAN

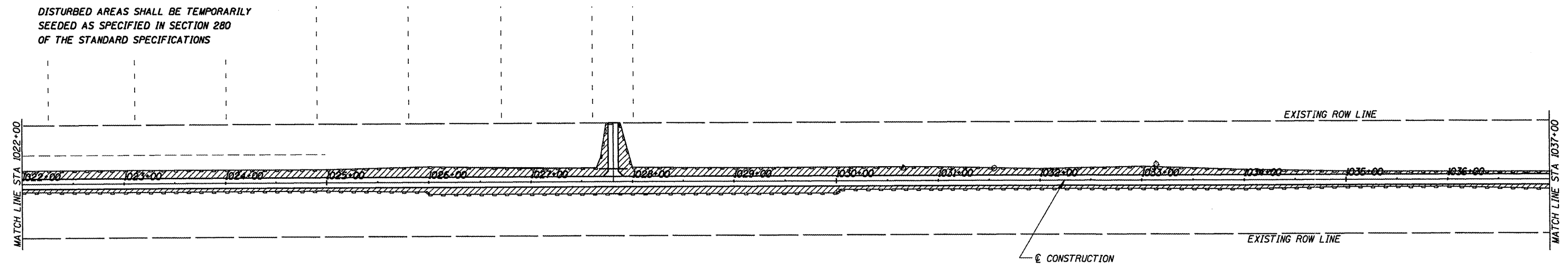
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00173-00-BT	SANGAMON	173	47
CONTRACT NO.				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

93522

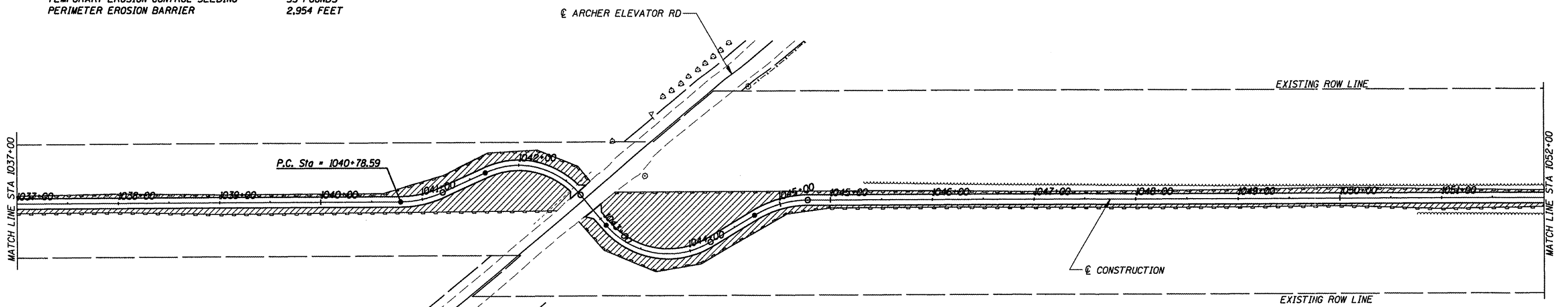
LEGEND	
	PERIMETER EROSION BARRIER
	SEEDING LIMITS

STA 1022+00 TO STA 1037+00	
TURF SEEDING	0.14 ACRE
PRAIRIE SEEDING	0.26 ACRE
TEMPORARY EROSION CONTROL SEEDING	40 POUNDS
PERIMETER EROSION BARRIER	3,000 FEET

DISTURBED AREAS SHALL BE TEMPORARILY SEEDED AS SPECIFIED IN SECTION 280 OF THE STANDARD SPECIFICATIONS



STA 1037+00 TO STA 1052+00	
TURF SEEDING	0.20 ACRE
PRAIRIE SEEDING	0.33 ACRE
TEMPORARY EROSION CONTROL SEEDING	53 POUNDS
PERIMETER EROSION BARRIER	2,954 FEET



CUMMINS
ENGINEERING
CORPORATION



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FILE NAME = 2192erosion.dgn	DRAWN - AJH	REVISED -
PLOT SCALE = 100.0000 / IN.	CHECKED - NAK	REVISED -
PLOT DATE = 6/5/2009	DATE - 1/22/2009	REVISED -

SANGAMON VALLEY TRAIL

EROSION CONTROL PLAN

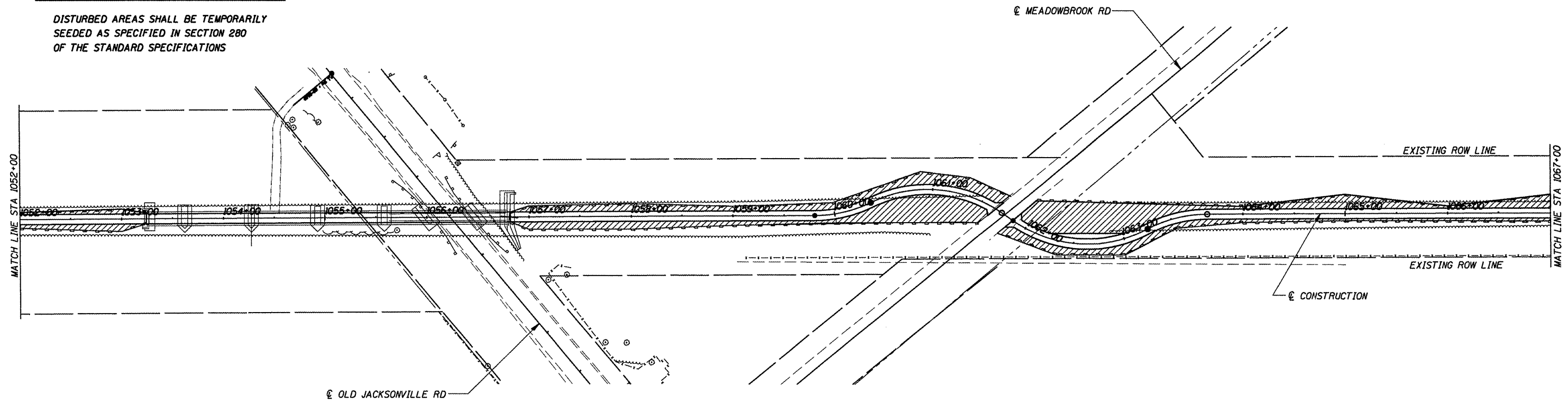
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00173-00-BT	SANGAMON	173	48

CONTRACT NO. 03522

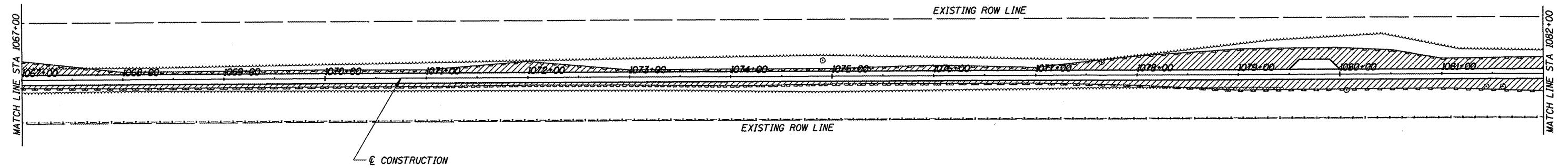
LEGEND	
	PERIMETER EROSION BARRIER
	SEEDING LIMITS

DISTURBED AREAS SHALL BE TEMPORARILY SEEDED AS SPECIFIED IN SECTION 280 OF THE STANDARD SPECIFICATIONS

STA 1052+00 TO STA 1067+00	
TURF SEEDING	0.17 ACRE
PRAIRIE SEEDING	0.26 ACRE
TEMPORARY EROSION CONTROL SEEDING	43 POUNDS
PERIMETER EROSION BARRIER	2,187 FEET



STA 1067+00 TO STA 1082+00	
TURF SEEDING	0.17 ACRE
PRAIRIE SEEDING	0.27 ACRE
TEMPORARY EROSION CONTROL SEEDING	44 POUNDS
PERIMETER EROSION BARRIER	3,000 FEET



CUMMINS
ENGINEERING
CORPORATION

JOB = 2192	DESIGNED - NAK	REVISED -
FILE NAME = 2192erosion.dgn	DRAWN - AJH	REVISED -
PLOT SCALE = 100.000' / IN.	CHECKED - NAK	REVISED -
PLOT DATE = 6/5/2009	DATE - 1/22/2009	REVISED -

SANGAMON VALLEY TRAIL

EROSION CONTROL PLAN

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00173-00-BT	SANGAMON	173	49
CONTRACT NO.				

FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT NO. 03522

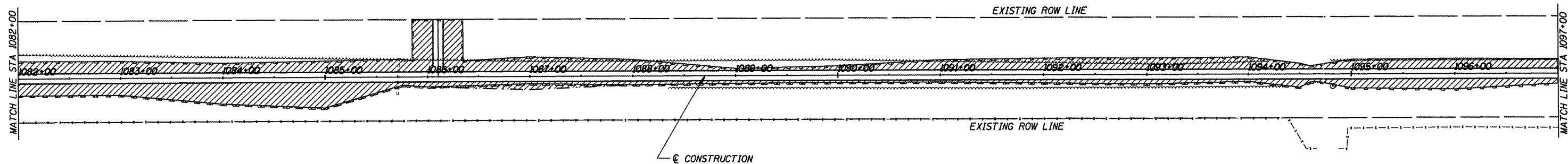
LEGEND

----- PERIMETER EROSION BARRIER

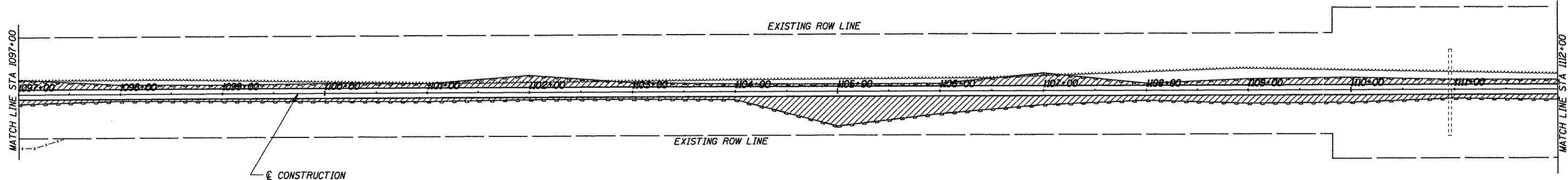
▨ SEEDING LIMITS

DISTURBED AREAS SHALL BE TEMPORARILY SEEDED AS SPECIFIED IN SECTION 280 OF THE STANDARD SPECIFICATIONS

STA 1082+00 TO STA 1097+00	
TURF SEEDING	0.17 ACRE
PRAIRIE SEEDING	0.47 ACRE
TEMPORARY EROSION CONTROL SEEDING	64 POUNDS
PERIMETER EROSION BARRIER	3,000 FEET



STA 1097+00 TO STA 1112+00	
TURF SEEDING	0.18 ACRE
PRAIRIE SEEDING	0.24 ACRE
TEMPORARY EROSION CONTROL SEEDING	42 POUNDS
PERIMETER EROSION BARRIER	3,000 FEET



CUMMINS ENGINEERING CORPORATION

JOB = 2192
 FILE NAME = 2192erosion.dgn
 PLOT SCALE = 100.000' / IN.
 PLOT DATE = 6/5/2009



DESIGNED - NAK	REVISED -
DRAWN - AJH	REVISED -
CHECKED - NAK	REVISED -
DATE - 1/22/2009	REVISED -

SANGAMON VALLEY TRAIL

EROSION CONTROL PLAN

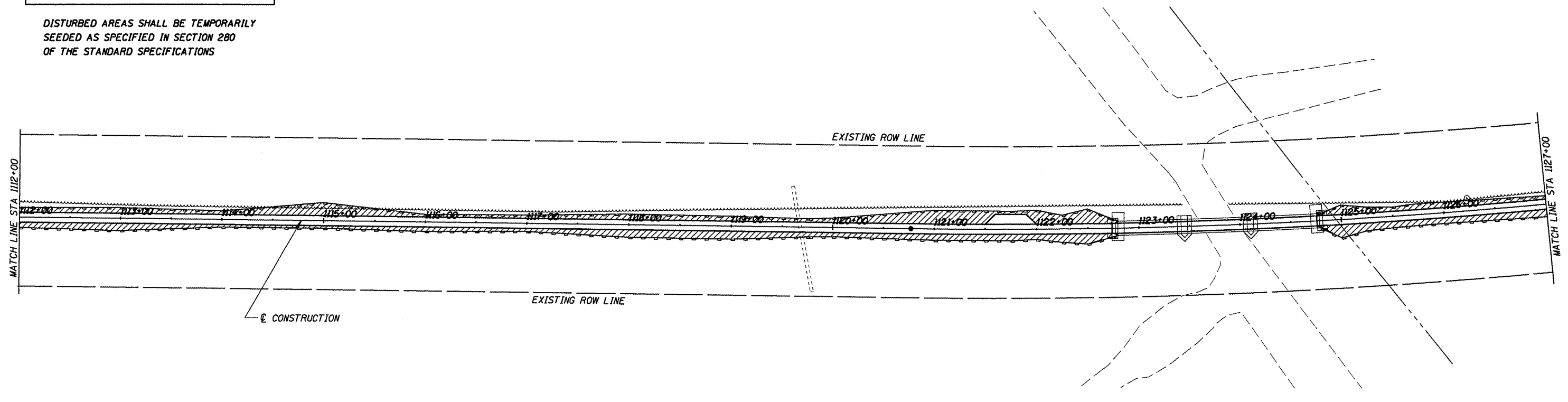
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00173-00-BT	SANGAMON	173	50
CONTRACT NO. 0522				

FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

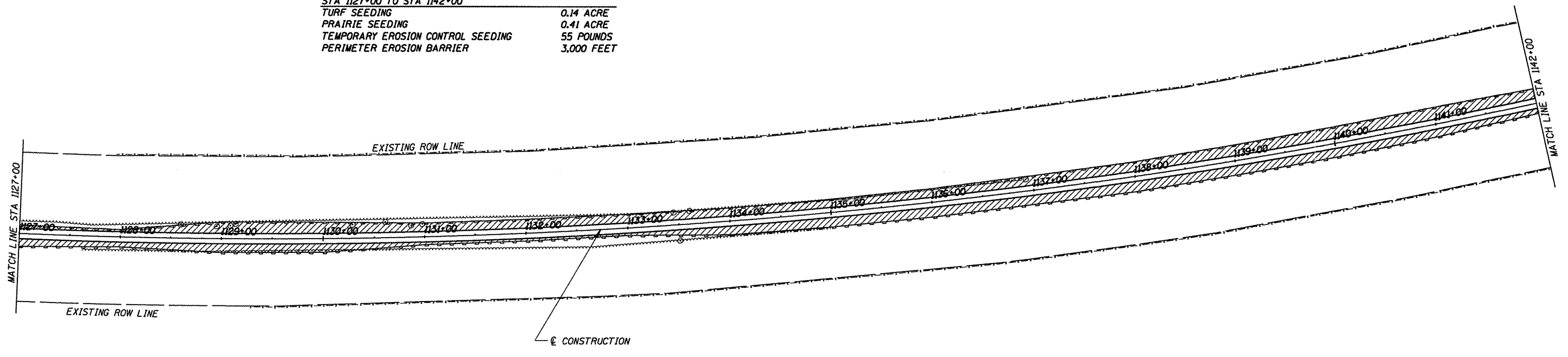
LEGEND	
	PERIMETER EROSION BARRIER
	SEEDING LIMITS

STA 1112+00 TO STA 1127+00	
TURF SEEDING	0.13 ACRE
PRAIRIE SEEDING	0.22 ACRE
TEMPORARY EROSION CONTROL SEEDING	35 POUNDS
PERIMETER EROSION BARRIER	2,596 FEET

DISTURBED AREAS SHALL BE TEMPORARILY SEEDED AS SPECIFIED IN SECTION 280 OF THE STANDARD SPECIFICATIONS



STA 1127+00 TO STA 1142+00	
TURF SEEDING	0.14 ACRE
PRAIRIE SEEDING	0.41 ACRE
TEMPORARY EROSION CONTROL SEEDING	55 POUNDS
PERIMETER EROSION BARRIER	3,000 FEET



CUMMINS ENGINEERING CORPORATION



JOB = 2192	DESIGNED - NAK	REVISED -
FILE NAME = 2192erosion.dgn	DRAWN - AJH	REVISED -
PLOT SCALE = 100.000' / IN.	CHECKED - NAK	REVISED -
PLOT DATE = 6/5/2009	DATE - 1/22/2009	REVISED -

SANGAMON VALLEY TRAIL

EROSION CONTROL PLAN

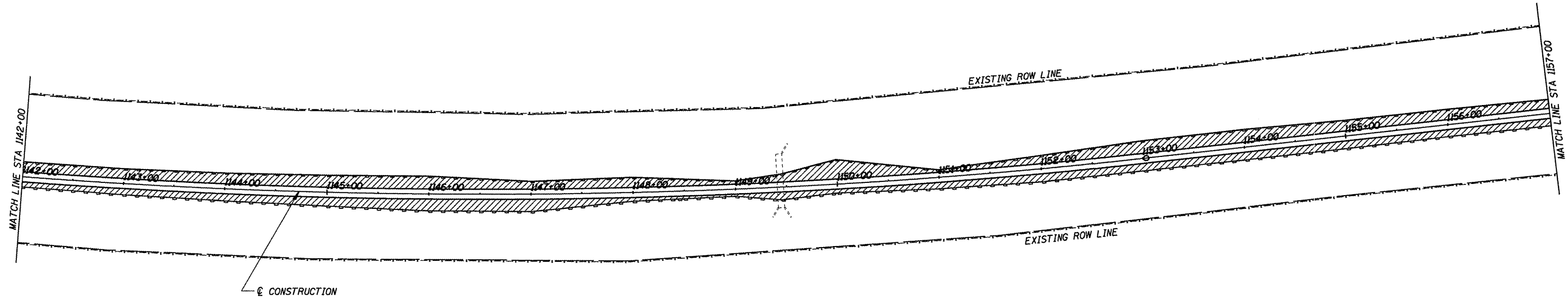
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00173-00-BT	SANGAMON	173	51
CONTRACT NO.				
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJ. NO.			

93522

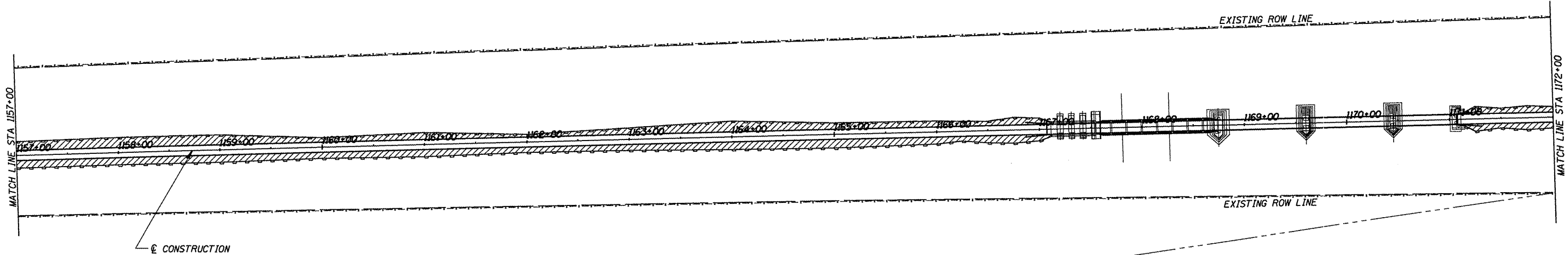
LEGEND	
	PERIMETER EROSION BARRIER
	SEEDING LIMITS

DISTURBED AREAS SHALL BE TEMPORARILY SEEDED AS SPECIFIED IN SECTION 280 OF THE STANDARD SPECIFICATIONS

STA 1142+00 TO STA 1157+00	
TURF SEEDING	0.14 ACRE
PRAIRIE SEEDING	0.45 ACRE
TEMPORARY EROSION CONTROL SEEDING	59 POUNDS
PERIMETER EROSION BARRIER	3,000 FEET



STA 1157+00 TO STA 1172+00	
TURF SEEDING	0.10 ACRE
PRAIRIE SEEDING	0.24 ACRE
TEMPORARY EROSION CONTROL SEEDING	34 POUNDS
PERIMETER EROSION BARRIER	2,214 FEET



CUMMINS
ENGINEERING
CORPORATION

JOB = 2192
FILE NAME = 2192erosion.dgn
PLOT SCALE = 100.000' / IN.
PLOT DATE = 6/5/2009

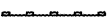

DESIGNED - NAK	REVISED -
DRAWN - AJH	REVISED -
CHECKED - NAK	REVISED -
DATE - 1/22/2009	REVISED -

SANGAMON VALLEY TRAIL

EROSION CONTROL PLAN

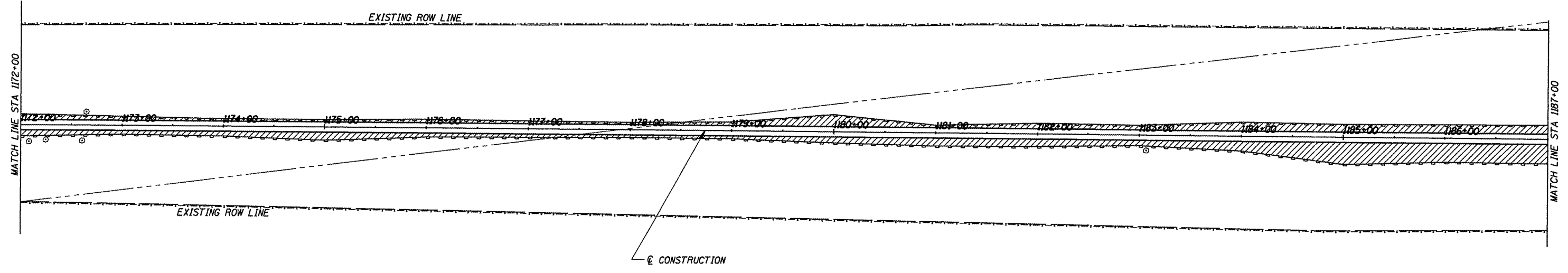
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO.				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

93522

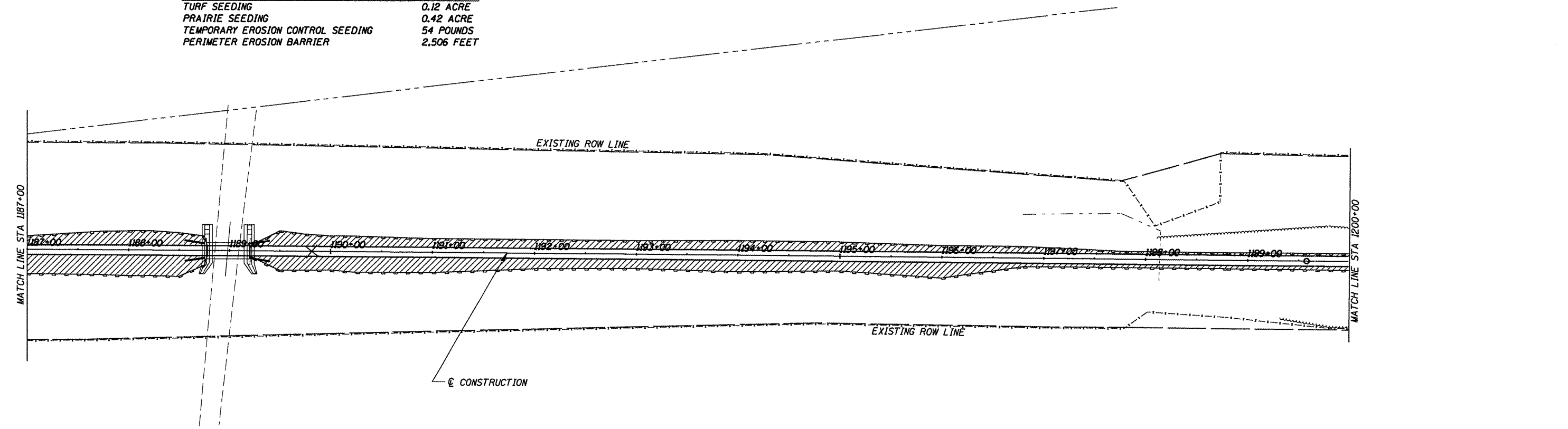
LEGEND	
	PERIMETER EROSION BARRIER
	SEEDING LIMITS

STA 1172+00 TO STA 1187+00	
TURF SEEDING	0.20 ACRE
PRAIRIE SEEDING	0.24 ACRE
TEMPORARY EROSION CONTROL SEEDING	44 POUNDS
PERIMETER EROSION BARRIER	3,000 FEET

DISTURBED AREAS SHALL BE TEMPORARILY SEEDED AS SPECIFIED IN SECTION 280 OF THE STANDARD SPECIFICATIONS



STA 1187+00 TO STA 1200+00	
TURF SEEDING	0.12 ACRE
PRAIRIE SEEDING	0.42 ACRE
TEMPORARY EROSION CONTROL SEEDING	54 POUNDS
PERIMETER EROSION BARRIER	2,506 FEET



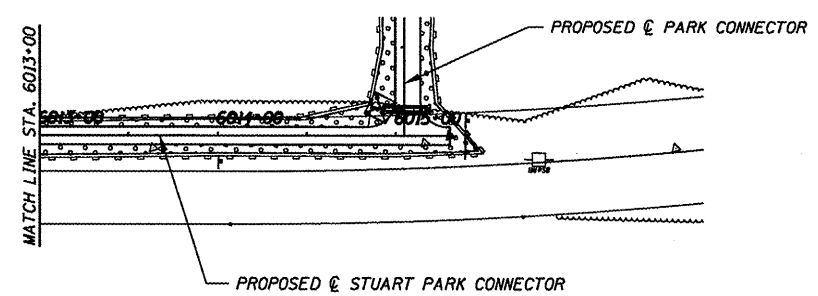
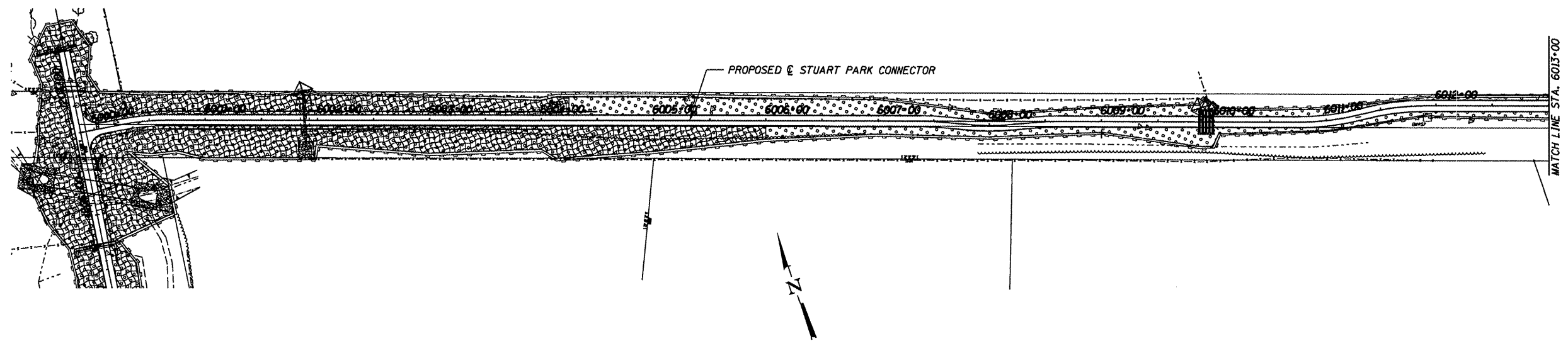
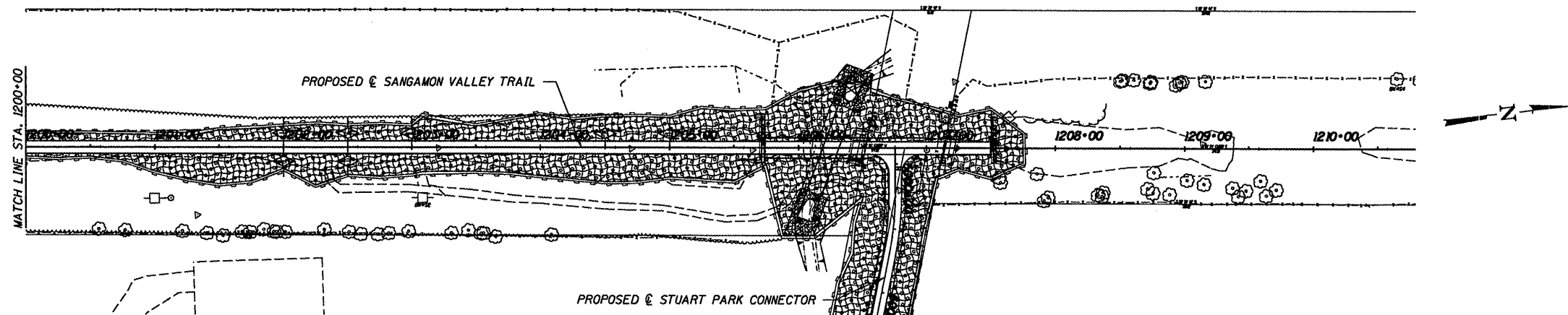
CUMMINS
ENGINEERING
CORPORATION

JOB = 2192	DESIGNED - NAK	REVISED -
FILE NAME = 2192erosion.dgn	DRAWN - AJH	REVISED -
PLOT SCALE = 100.000' / IN.	CHECKED - NAK	REVISED -
PLOT DATE = 6/5/2009	DATE - 1/22/2009	REVISED -

SANGAMON VALLEY TRAIL

EROSION CONTROL PLAN

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00173-00-BT	SANGAMON	173	53
CONTRACT NO.				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT 03522				



LEGEND

	INLET AND PIPE PROTECTION
	TEMPORARY DITCH CHECK
	SEEDING CLASS 2 (SPECIAL)
	EROSION CONTROL BLANKET
	PERIMETER EROSION BARRIER

FILE NAME = 84898-8ht-erosion-elt4.dgn	USER NAME =	DESIGNED - L.F.S.	REVISED -
		DRAWN - TWK	REVISED -
		CHECKED - S.W.M.	REVISED -
		DATE - 02/09/09	REVISED -
PLOT SCALE =			
PLOT DATE = 5/27/2009			

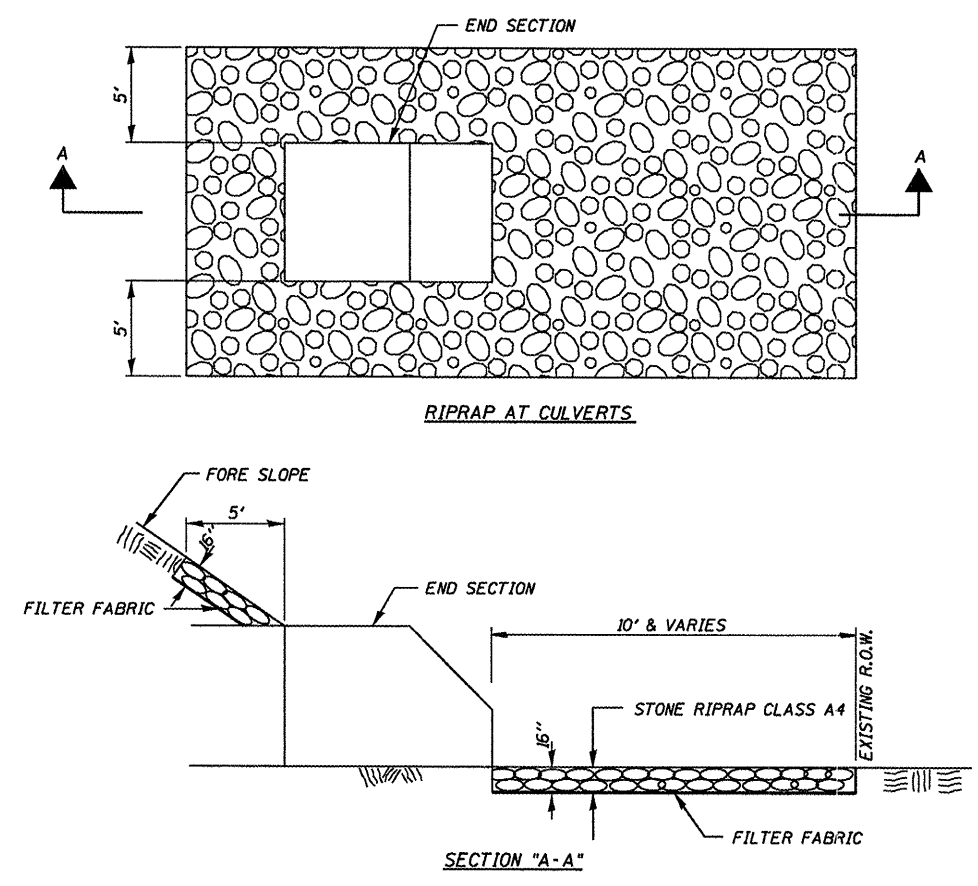
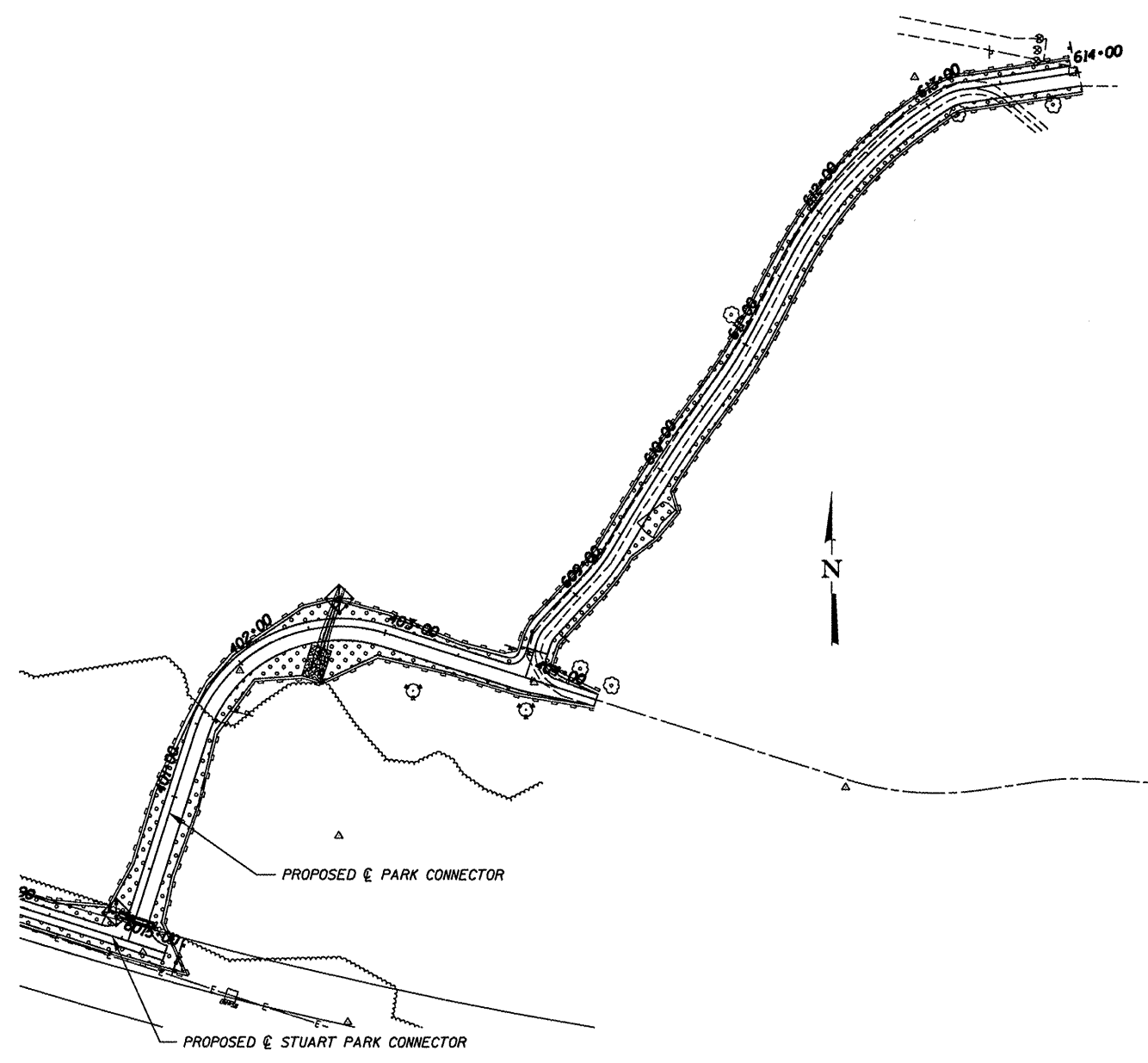
SANGAMON VALLEY TRAIL

HLR HAMPTON, LENZINI & RENWICK, INC.
CIVIL & STRUCTURAL ENGINEERS
LAND SURVEYORS

EROSION CONTROL

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
05-00173-00-BT	SANGAMON	173	54
CONTRACT NO.			
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT	

93522



LEGEND

- INLET AND PIPE PROTECTION
- TEMPORARY DITCH CHECK
- SEEDING CLASS 2 (SPECIAL)
- EROSION CONTROL BLANKET
- PERIMETER EROSION BARRIER

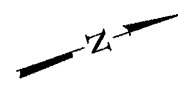
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	PLOT DATE = 5/27/2009	DATE - 02/09/09	REVISED -

SANGAMON VALLEY TRAIL

HLR HAMPTON, LENZINI & RENWICK, INC.
 CIVIL & STRUCTURAL ENGINEERS
 LAND SURVEYORS

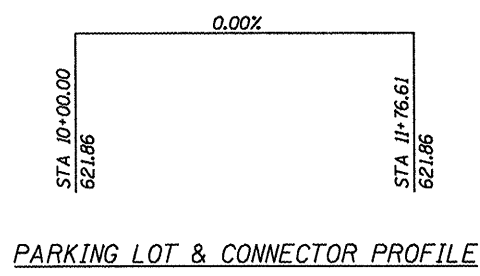
EROSION CONTROL

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
05-00173-00-BT	SANGAMON	173	55
CONTRACT NO.		93522	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT	



W11-1
24" X 24"
STA 92+86

STA 98+42.17 @ BUNKER HILL RD
STA 9+13 @ PARKING LOT



PARKING LOT & CONNECTOR PROFILE

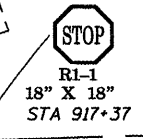
- PAVEMENT MARKING LEGEND**
- ① PAINT PAVEMENT MARKING LINE-4"
 - ② PAINT PAVEMENT MARKING LINE-6"
 - ③ PAINT PAVEMENT MARKING LINE-12"
 - ④ PAINT PAVEMENT MARKING LINE-24"
 - ⑤ PAINT PAVEMENT MARKING LINE-LETTERS & SYMBOLS
- • BOLLARDS - SEE SHEET 63 FOR DETAILS

PAINT PAVEMENT MARKING
LETTERS & SYMBOLS
(WHITE)

PAINT PAVEMENT MARKING
LINE 4" (WHITE)
45° STRIPE 3' ON CENTER



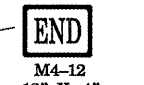
R7-8
18" X 12"
R7-1 101
6" X 12"



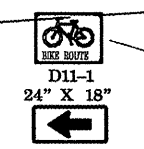
STOP
R1-1
18" X 18"
STA 917+37



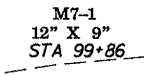
D11-1
24" X 18"



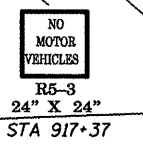
M4-12
12" X 4"
STA 917+87



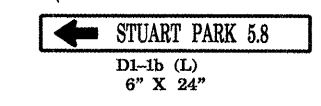
D11-1
24" X 18"



M7-1
12" X 9"
STA 99+86



NO MOTOR VEHICLES
R5-3
24" X 24"
STA 917+37



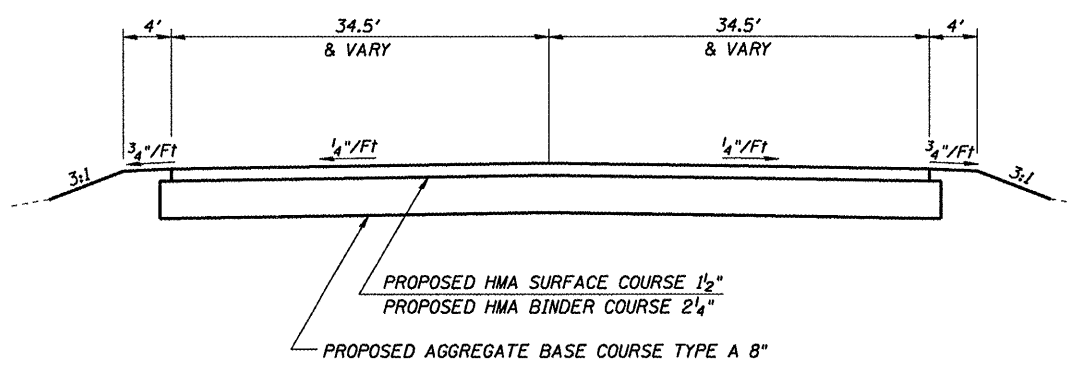
← STUART PARK 5.8
D11-1b (L)
6" X 24"



M7-1
12" X 9"
STA 100+28

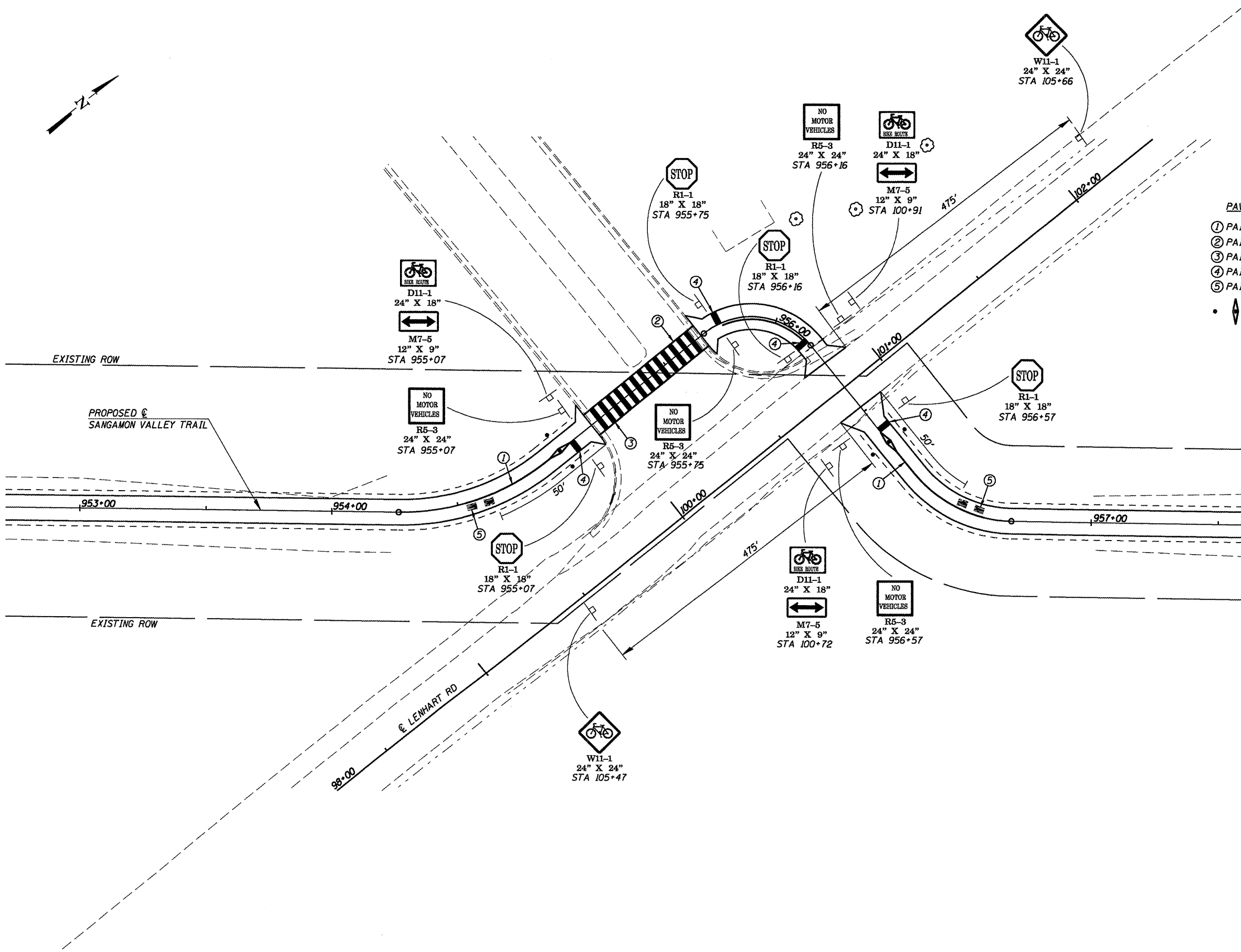
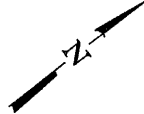


W11-1
24" X 24"
STA 107+28



SECTION A-A
STA 9+22 TO STA 11+20

CUMMINS ENGINEERING CORPORATION	JOB = 2192	DESIGNED - NAK	REVISED -	SANGAMON VALLEY TRAIL	INTERSECTION DETAILS				F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	FILE NAME = 2192int.dgn	DRAWN - AJH	REVISED -		SANGAMON VALLEY TRAIL AT BUNKER HILL RD				05-00173-00-BT	SANGAMON	173	56	
	PLOT SCALE = 40.000' / IN.	CHECKED - NAK	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.				CONTRACT NO.				
	PLOT DATE = 6/8/2009	DATE - 1/22/2009	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				93522				



- PAVEMENT MARKING LEGEND**
- ① PAINT PAVEMENT MARKING LINE-4"
 - ② PAINT PAVEMENT MARKING LINE-6"
 - ③ PAINT PAVEMENT MARKING LINE-12"
 - ④ PAINT PAVEMENT MARKING LINE-24"
 - ⑤ PAINT PAVEMENT MARKING LINE-LETTERS & SYMBOLS
- BOLLARDS - SEE SHEET 63 FOR DETAILS

**CUMMINS
ENGINEERING
CORPORATION**

JOB = 2192	DESIGNED - NAK	REVISED -
FILE NAME = 2192int.dgn	DRAWN - AJH	REVISED -
PLOT SCALE = 48.000' / IN.	CHECKED - NAK	REVISED -
PLOT DATE = 6/5/2009	DATE - 1/22/2009	REVISED -


SANGAMON VALLEY TRAIL

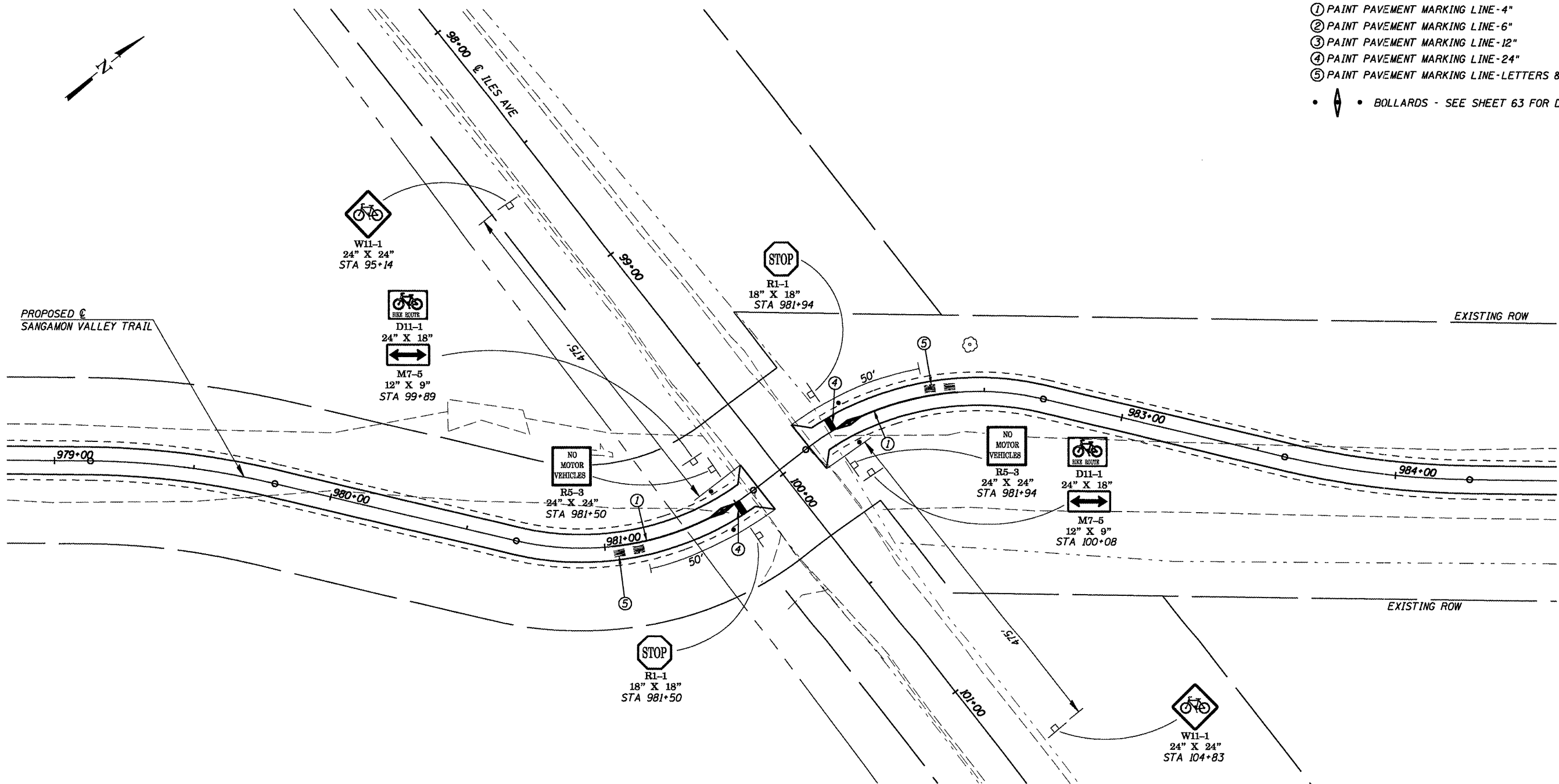
**INTERSECTION DETAILS
SANGAMON VALLEY TRAIL AT LENHART RD**

SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.
--------	-----------	----	--------	------	---------

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00173-00-BT	SANGAMON	173	57
CONTRACT NO.				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

09522

- PAVEMENT MARKING LEGEND**
- ① PAINT PAVEMENT MARKING LINE-4"
 - ② PAINT PAVEMENT MARKING LINE-6"
 - ③ PAINT PAVEMENT MARKING LINE-12"
 - ④ PAINT PAVEMENT MARKING LINE-24"
 - ⑤ PAINT PAVEMENT MARKING LINE-LETTERS & SYMBOLS
-  • BOLLARDS - SEE SHEET 63 FOR DETAILS



CUMMINS ENGINEERING CORPORATION

JOB = 2192	DESIGNED - NAK	REVISED -
FILE NAME = 2192int.dgn	DRAWN - AJH	REVISED -
PLOT SCALE = 40.000' / IN.	CHECKED - NAK	REVISED -
PLOT DATE = 6/5/2009	DATE - 1/22/2009	REVISED -

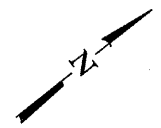
SANGAMON VALLEY TRAIL

**INTERSECTION DETAILS
SANGAMON VALLEY TRAIL AT ILES AVE**

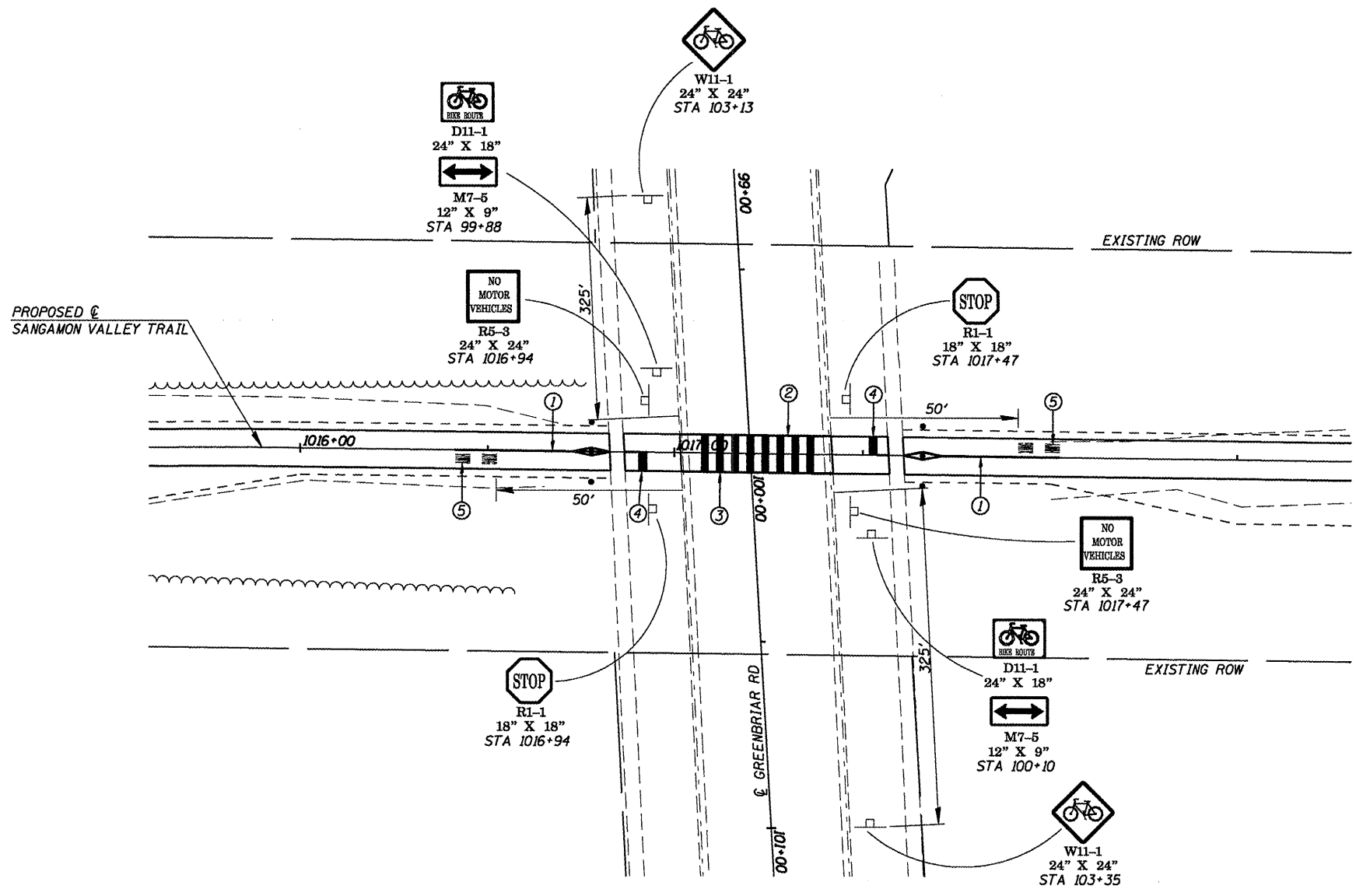
SCALE:	SHEET NO. OF SHEETS	STA. TO STA.
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F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00173-00-BT	SANGAMON	173	58
CONTRACT NO.				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

03522



- PAVEMENT MARKING LEGEND**
- ① PAINT PAVEMENT MARKING LINE-4"
 - ② PAINT PAVEMENT MARKING LINE-6"
 - ③ PAINT PAVEMENT MARKING LINE-12"
 - ④ PAINT PAVEMENT MARKING LINE-24"
 - ⑤ PAINT PAVEMENT MARKING LINE-LETTERS & SYMBOLS
- • BOLLARDS - SEE SHEET 63 FOR DETAILS



**CUMMINS
ENGINEERING
CORPORATION**

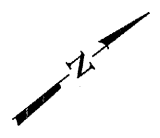
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FILE NAME = 2192int.dgn	DRAWN - AJH	REVISED -
PLOT SCALE = 40,000' / IN.	CHECKED - NAK	REVISED -
PLOT DATE = 6/5/2009	DATE - 1/22/2009	REVISED -


SANGAMON VALLEY TRAIL

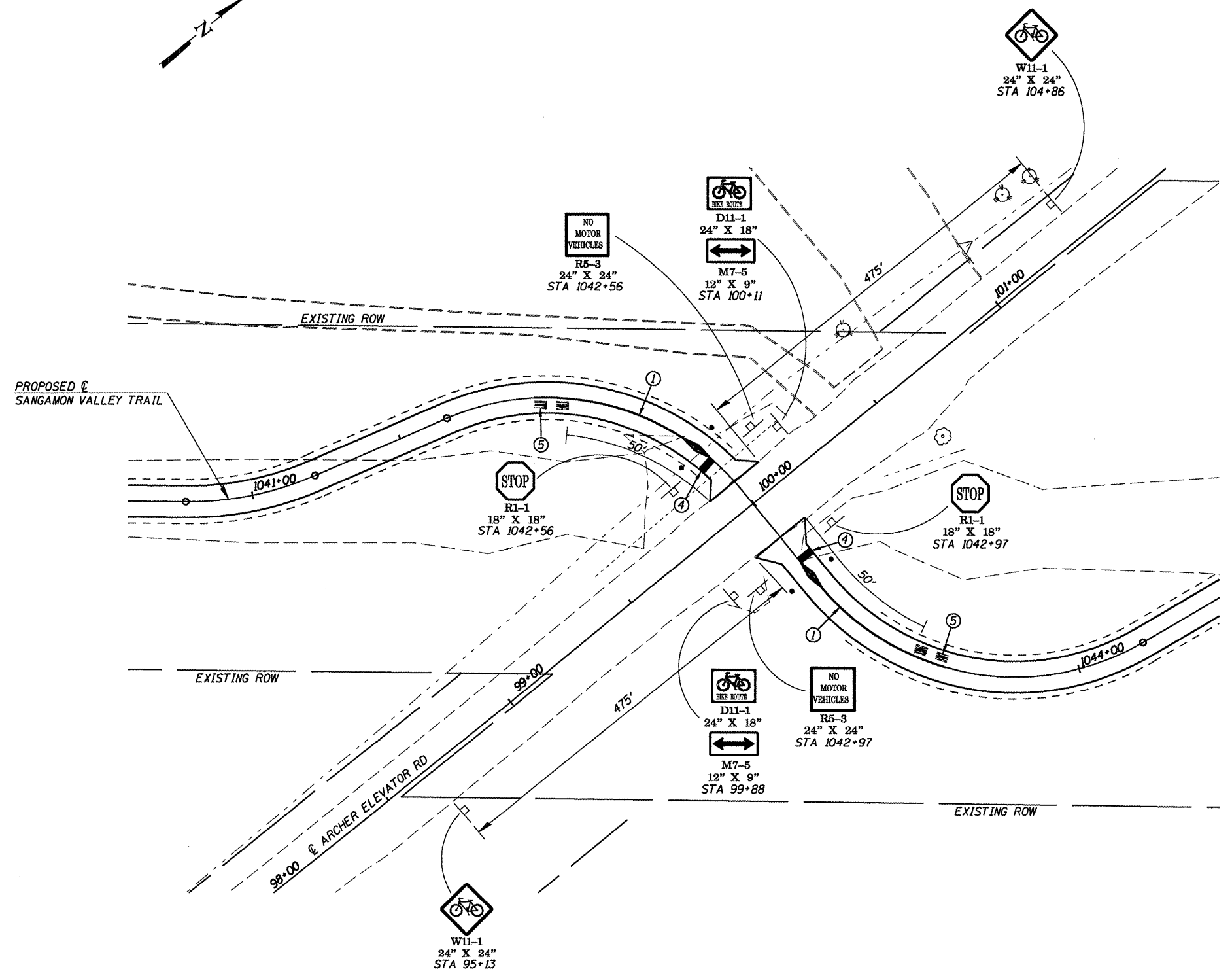
**INTERSECTION DETAILS
SANGAMON VALLEY TRAIL AT GREENBRIAR RD**

SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.
--------	-----------	----	--------	------	---------

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00173-00-BT	SANGAMON	173	59
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		CONTRACT NO.
				03522



- PAVEMENT MARKING LEGEND**
- ① PAINT PAVEMENT MARKING LINE-4"
 - ② PAINT PAVEMENT MARKING LINE-6"
 - ③ PAINT PAVEMENT MARKING LINE-12"
 - ④ PAINT PAVEMENT MARKING LINE-24"
 - ⑤ PAINT PAVEMENT MARKING LINE-LETTERS & SYMBOLS
-  • BOLLARDS - SEE SHEET 63 FOR DETAILS



**CUMMINS
ENGINEERING
CORPORATION**

JOB = 2192	DESIGNED - NAK	REVISED -
FILE NAME = 2192int.dgn	DRAWN - AJH	REVISED -
PLOT SCALE = 48.000' / IN.	CHECKED - NAK	REVISED -
PLOT DATE = 6/5/2009	DATE - 1/22/2009	REVISED -

SANGAMON VALLEY TRAIL

**INTERSECTION DETAILS
AT ARCHER ELEVATOR RD**

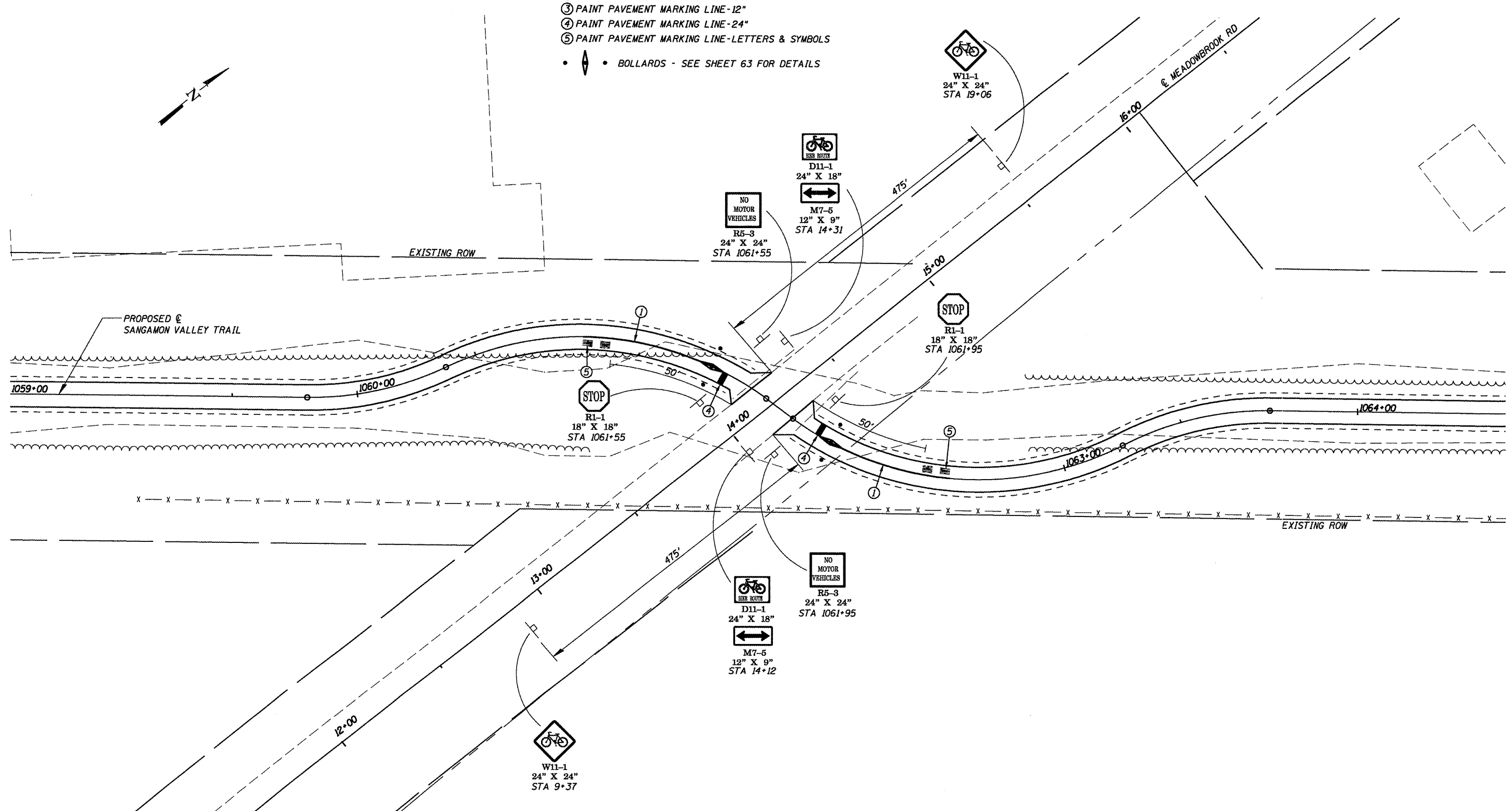
SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00173-00-BT	SANGAMON	173	60
CONTRACT NO.				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT 93522				

PAVEMENT MARKING LEGEND

- ① PAINT PAVEMENT MARKING LINE-4"
- ② PAINT PAVEMENT MARKING LINE-6"
- ③ PAINT PAVEMENT MARKING LINE-12"
- ④ PAINT PAVEMENT MARKING LINE-24"
- ⑤ PAINT PAVEMENT MARKING LINE-LETTERS & SYMBOLS

•  • BOLLARDS - SEE SHEET 63 FOR DETAILS



**CUMMINS
ENGINEERING
CORPORATION**

JOB = 2192	DESIGNED - NAK	REVISED -
FILE NAME = 2192int.dgn	DRAWN - AJH	REVISED -
PLOT SCALE = 40.000' / IN.	CHECKED - NAK	REVISED -
PLOT DATE = 6/5/2009	DATE - 1/22/2009	REVISED -

SANGAMON VALLEY TRAIL

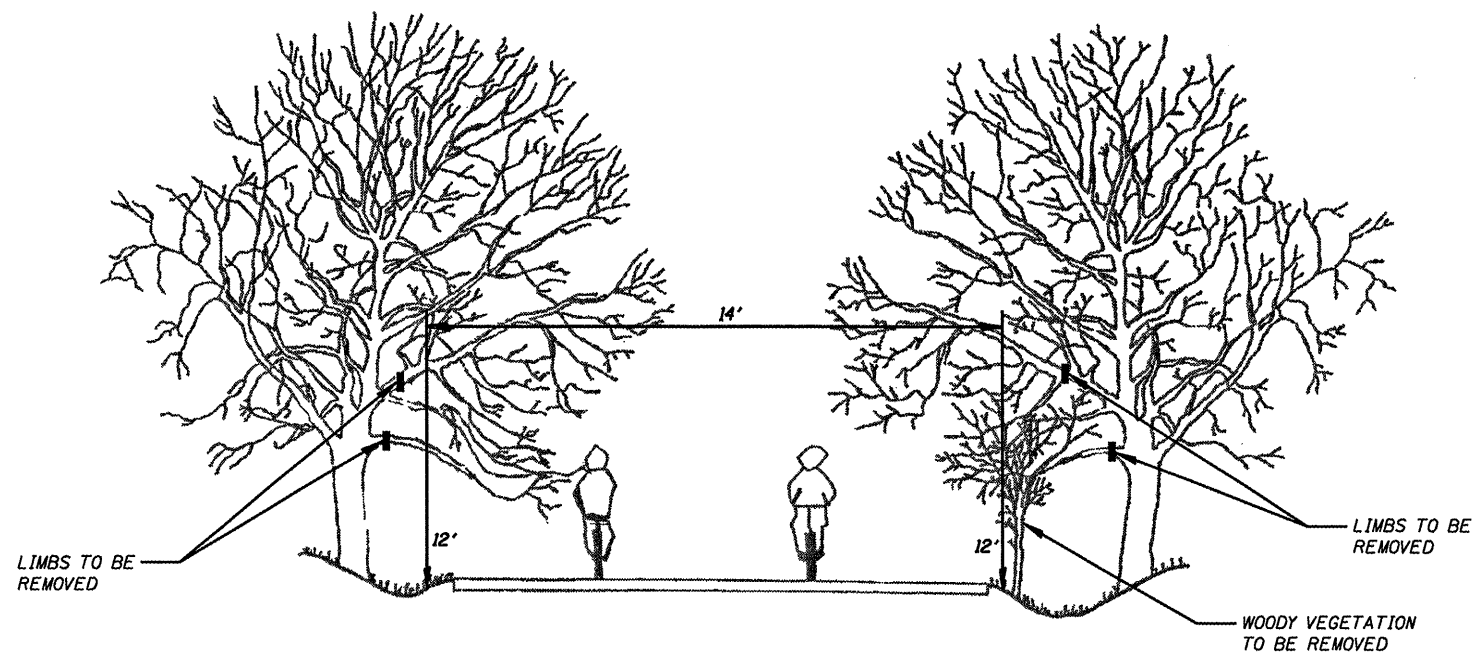
**INTERSECTION DETAILS
AT MEADOWBROOK RD**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

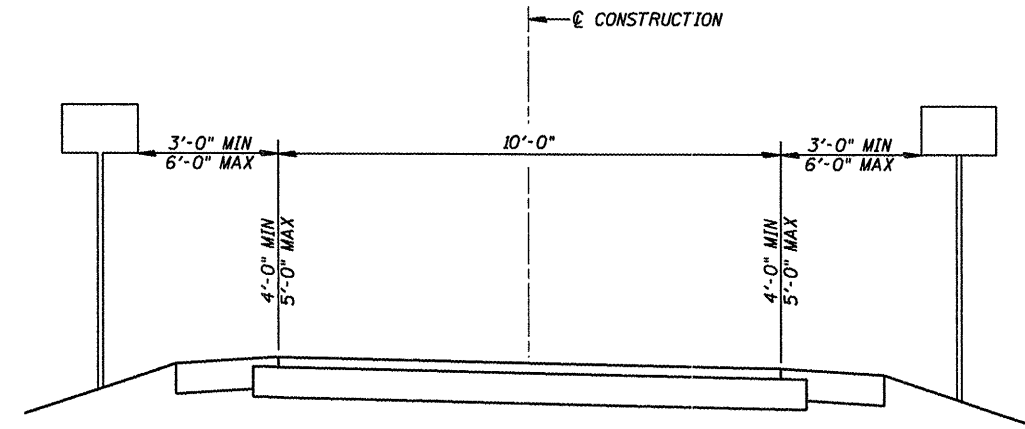
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00173-00-BT	SANGAMON	173	61
CONTRACT NO.			93522	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

GENERAL NOTES

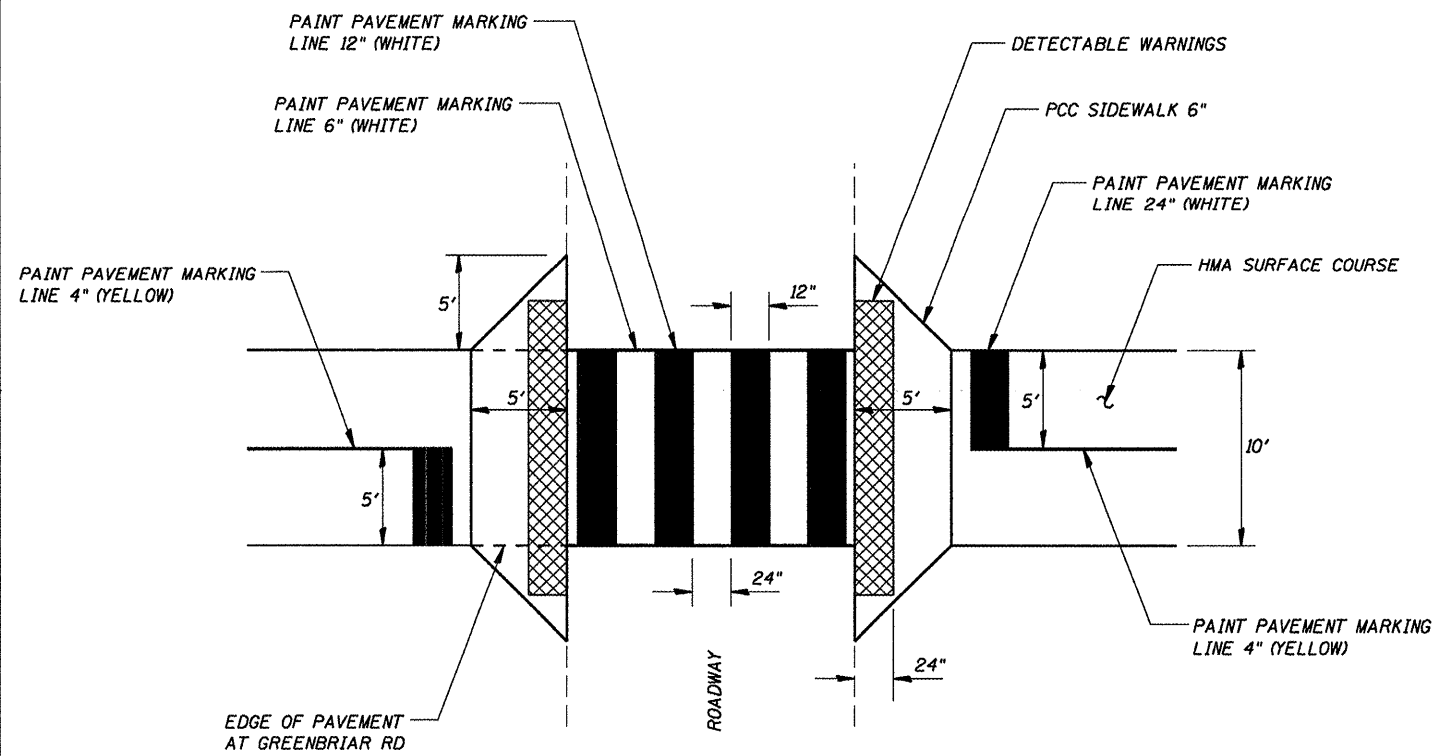
THE NATIONAL ARBORIST ASSOCIATION'S PRUNING STANDARDS FOR SHADE TREES CLASS II - STANDARD PRUNING SPECIFICATIONS SHALL BE FOLLOWED.



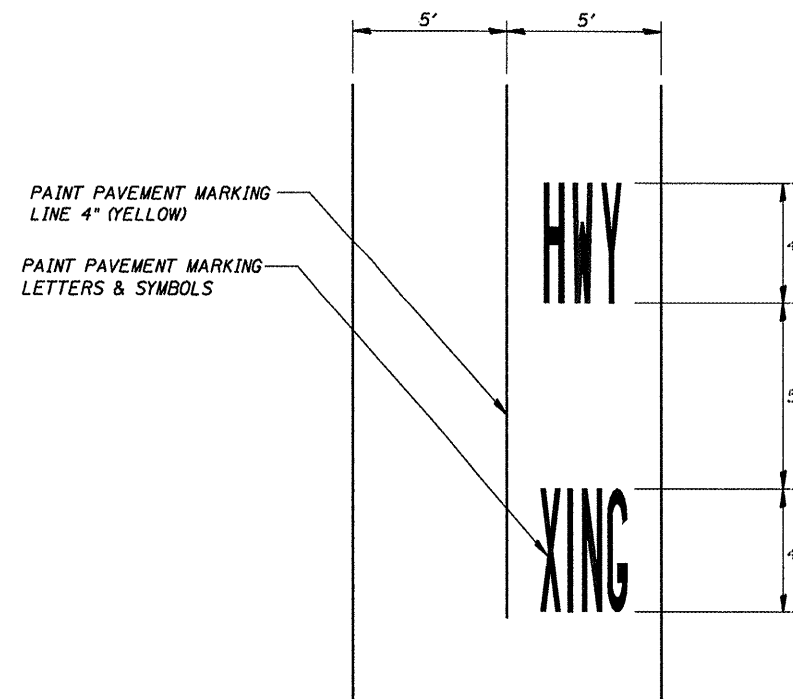
PRUNING FOR SAFETY AND EQUIPMENT CLEARANCE



SIGN PLACEMENT DETAIL



TYPICAL INTERSECTION DETAIL



PAVEMENT MARKING

CUMMINS ENGINEERING CORPORATION

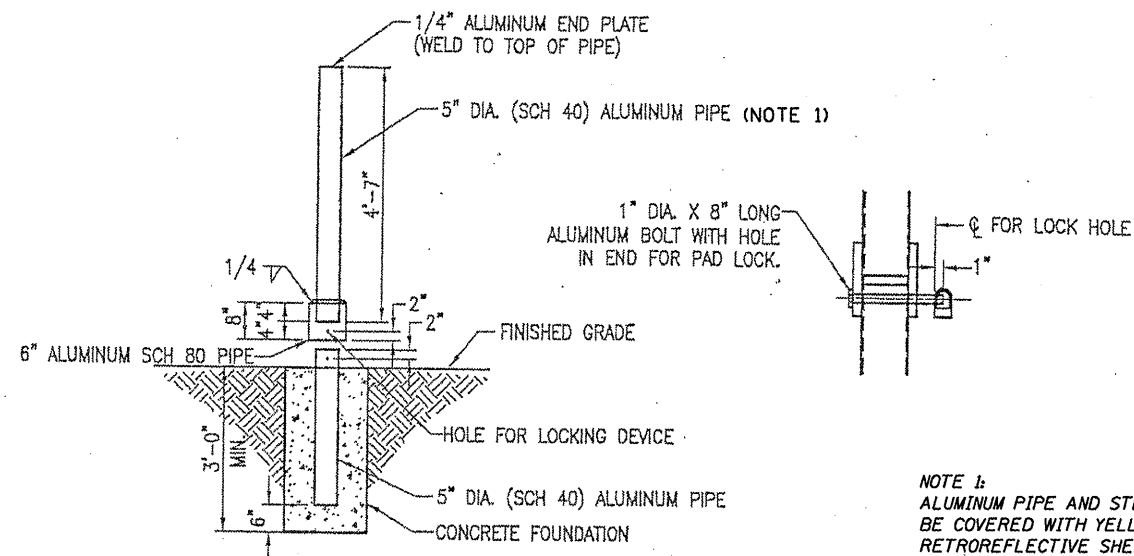
JOB # 2192	DESIGNED - NAK	REVISED -
FILE NAME = 2192details.dgn	DRAWN - AJH	REVISED -
PLOT SCALE = 1/8" = 1' / IN.	CHECKED - NAK	REVISED -
PLOT DATE = 6/8/2009	DATE - 1/22/2009	REVISED -

SANGAMON VALLEY TRAIL

DETAILS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00173-00-BT	SANGAMON	173	62
CONTRACT NO.				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT NO.				

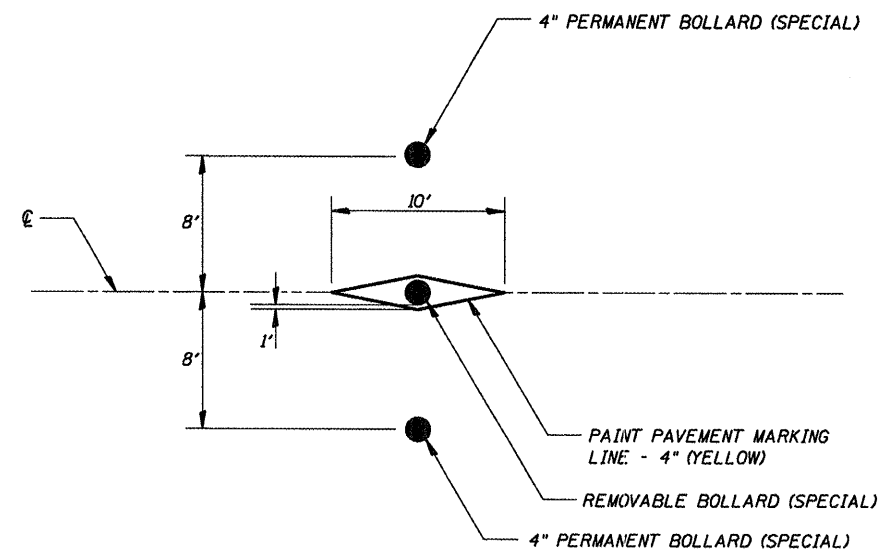
03522



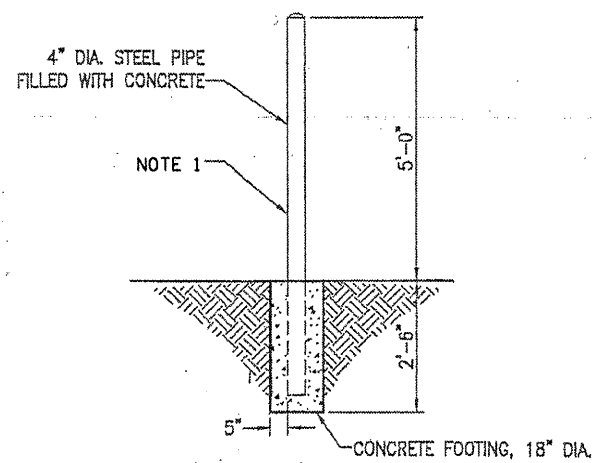
5" DIA. REMOVABLE BOLLARD DETAIL

NOTE 1:
ALUMINUM PIPE AND STEEL PIPE SHALL BE COVERED WITH YELLOW RETROREFLECTIVE SHEETING MEETING THE REQUIREMENTS OF ARTICLE 1106.01 OF THE STANDARD SPECIFICATIONS

ALL EXCAVATION, BACKFILL, CONCRETE AND REFLECTIVE SHEETING IS INCIDENTAL TO THE COST OF THE PERMANENT BOLLARD (SPECIAL) AND REMOVABLE BOLLARD (SPECIAL)



BOLLARD LAYOUT



4" PERMANENT BOLLARD (SPECIAL) DETAIL

CUMMINS
ENGINEERING
CORPORATION

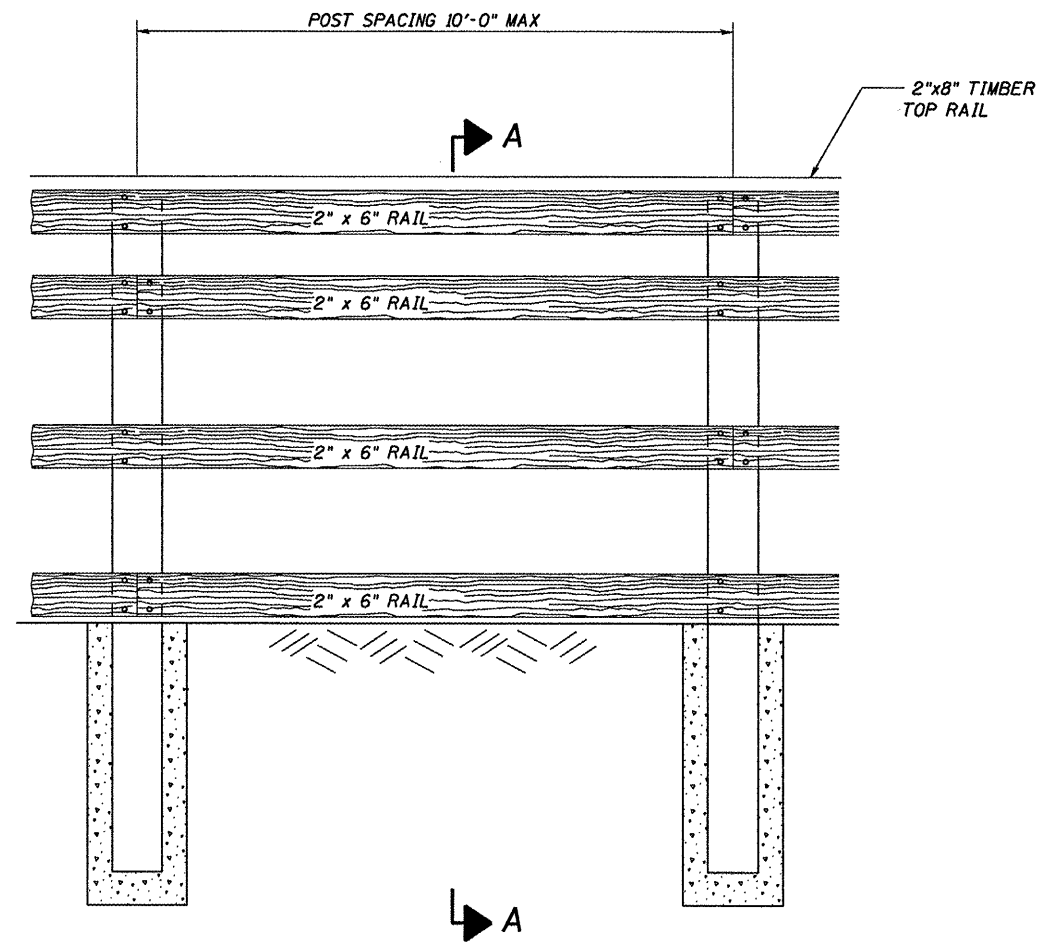
JOB = 2192	DESIGNED - NAK	REVISED -
FILE NAME = 2192details.dgn	DRAWN - AJH	REVISED -
PLOT SCALE = 100.000' / IN.	CHECKED - NAK	REVISED -
PLOT DATE = 6/8/2009	DATE - 6/02/2009	REVISED -

SANGAMON VALLEY TRAIL

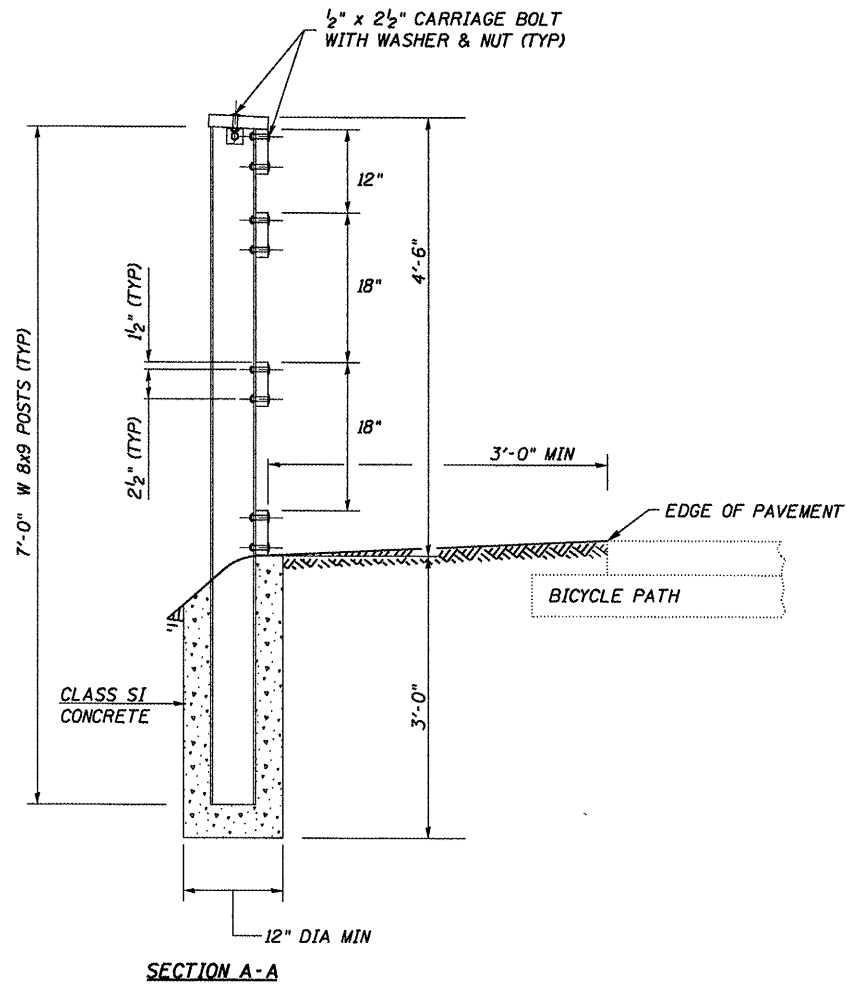
BOLLARD DETAILS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00173-00-BT	SANGAMON	173	63
CONTRACT NO.				
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

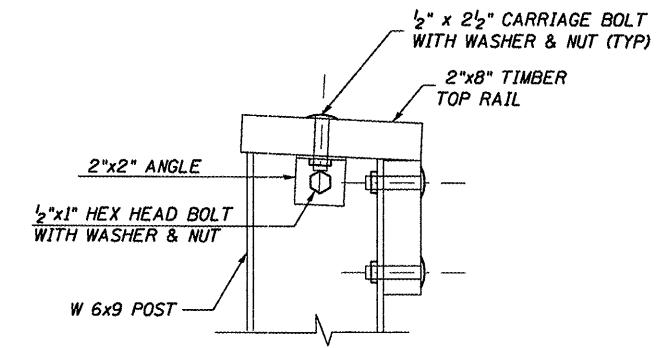
3522



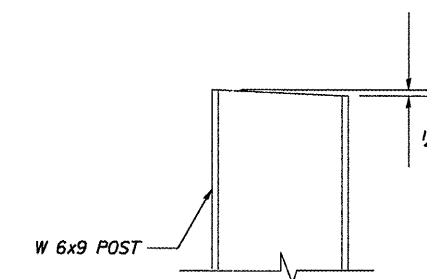
ELEVATION VIEW



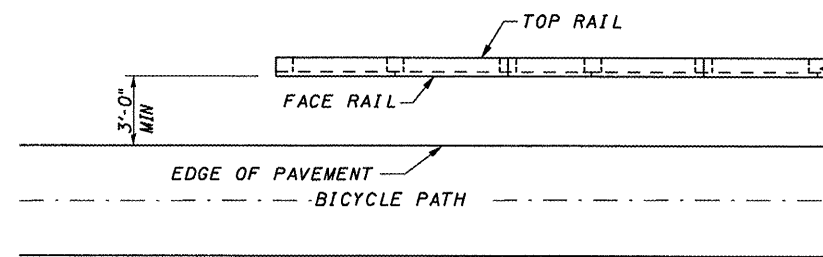
SECTION A-A



TOP RAIL CONNECTION DETAIL



TOP OF POST DETAIL



PLAN VIEW

1. STEEL POSTS SHALL BE AS SPECIFIED IN ARTICLE 1006.23.
2. ALL HARDWARE SHALL BE AS SPECIFIED IN ARTICLE 1006.25.
3. TIMBER RAILS SHALL BE TREATED SOUTHERN PINE AS SPECIFIED IN ARTICLE 1007.03
4. STAGGER ALTERNATING BUTT ENDS ON FACE RAIL AND TOP RAIL. CENTER ALL BUTT END JOINTS ON THE POSTS.

CUMMINS
ENGINEERING
CORPORATION

JOB = 2192
FILE NAME = 2192details.dgn
PLOT SCALE = 1/8" = 1'-0"
PLOT DATE = 6/5/2009

DESIGNED - NAK
DRAWN - AJH
CHECKED - NAK
DATE - 1/22/2009

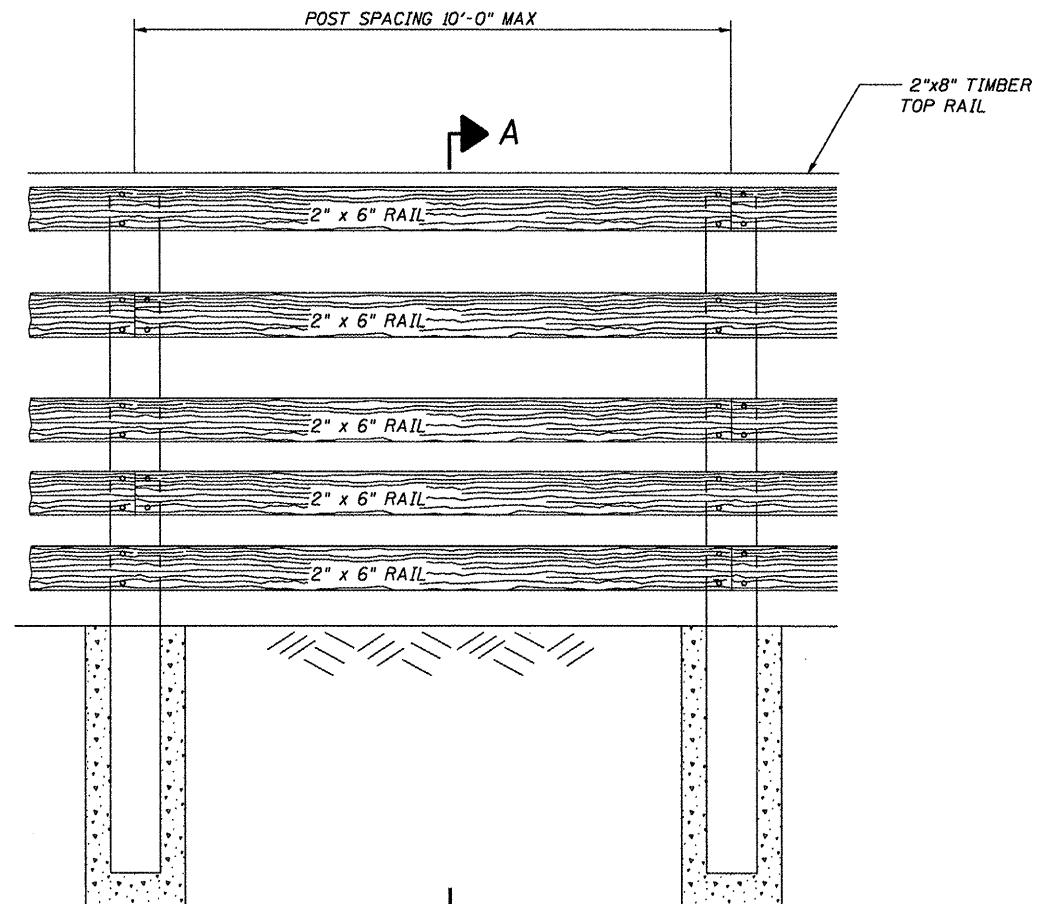
REVISED -
REVISED -
REVISED -
REVISED -

SANGAMON VALLEY TRAIL

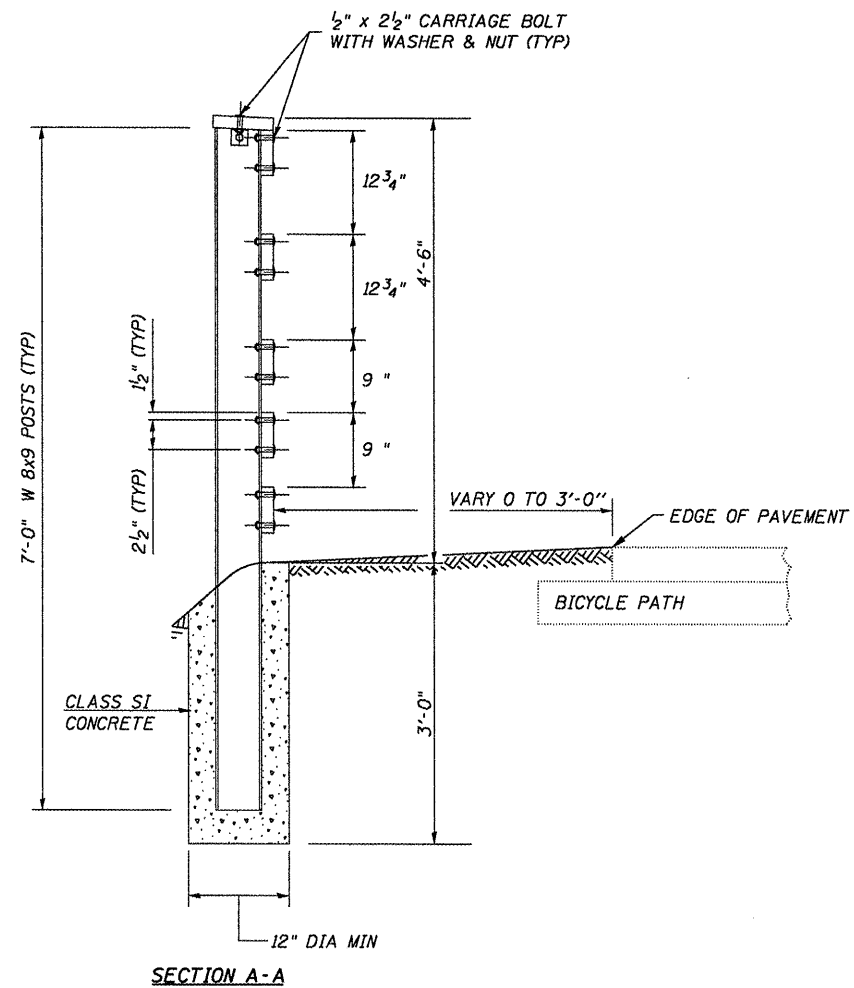
TIMBER BICYCLE RAILING

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00173-00-BT	SANGAMON	173	64
CONTRACT NO.				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

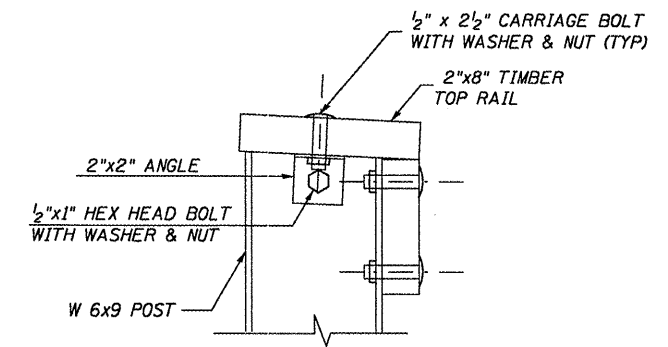
03522



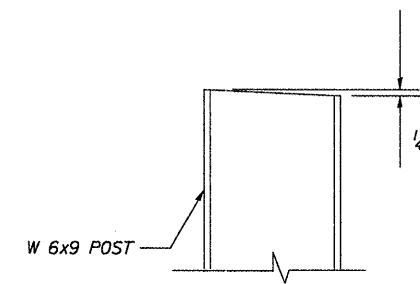
ELEVATION VIEW



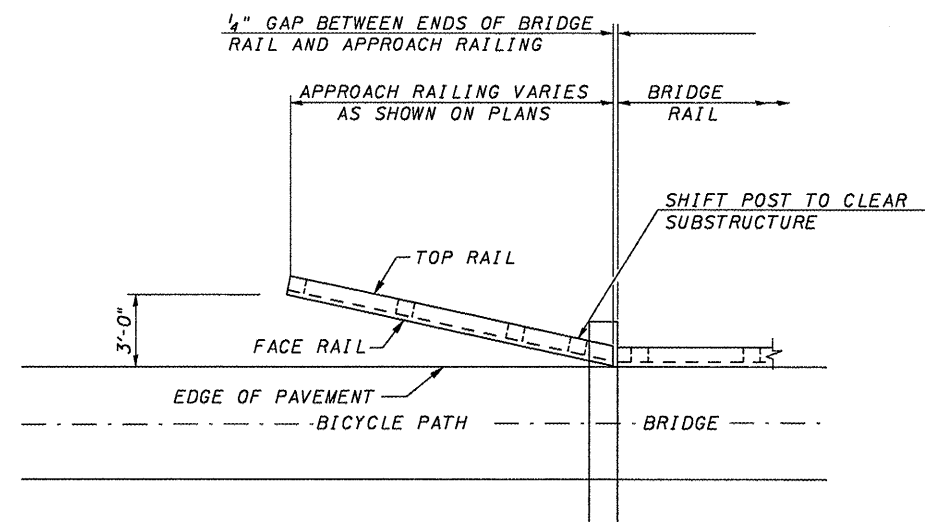
SECTION A-A



TOP RAIL CONNECTION DETAIL



TOP OF POST DETAIL



PLAN VIEW

1. STEEL POSTS SHALL BE AS SPECIFIED IN ARTICLE 1006.23.
2. ALL HARDWARE SHALL BE AS SPECIFIED IN ARTICLE 1006.25.
3. TIMBER RAILS SHALL BE TREATED SOUTHERN PINE AS SPECIFIED IN ARTICLE 1007.03
4. STAGGER ALTERNATING BUTT ENDS ON FACE RAIL AND TOP RAIL. CENTER ALL BUTT END JOINTS ON THE POSTS.
5. CUT ENDS OF TOP RAIL AND FACE RAILS TO MATCH BRIDGE RAIL

CUMMINS
ENGINEERING
CORPORATION

JOB = 2192
FILE NAME = 2192details.dgn
PLOT SCALE = 1/8" = 1' / IN.
PLOT DATE = 6/8/2009

DESIGNED - NAK
DRAWN - AJH
CHECKED - NAK
DATE - 1/22/2009

REVISED -
REVISED -
REVISED -
REVISED -

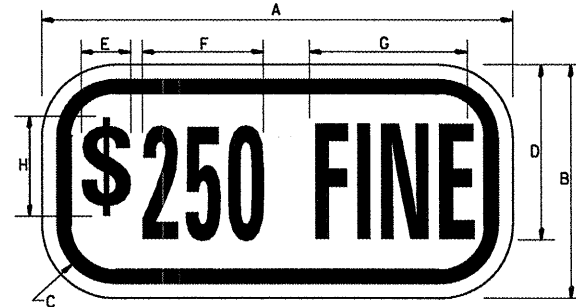
SANGAMON VALLEY TRAIL

TIMBER BRIDGE APPROACH RAILING

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00173-00-BT	SANGAMON	173	65
CONTRACT NO.				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

99522

SIGN R7-I 101

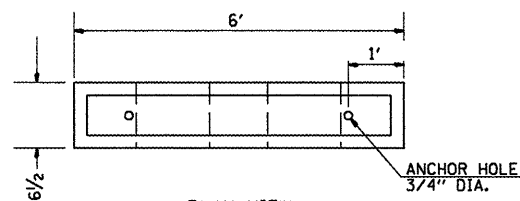


COLOR: LEGEND AND BORDER GREEN NON-REFLECTORIZED
BACKGROUND WHITE REFLECTORIZED

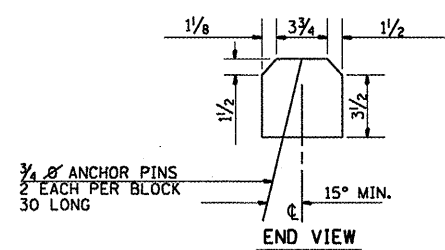
SIGN SIZE	DIMENSIONS							
	A	B	C	D	E	F	G	H
(6 x 12)	(12)	(6)	(1.5)	(4.5)	(1.15)	(3.4)	(4.6)	(4.0)

SIGN SIZE	SERIES Lines	Margin	Border	BLK Std
(6 x 12)	1/3A	(0.37)	(0.37)	B5-126

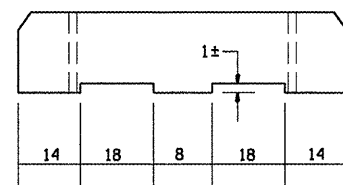
To be used with R7-8



PLAN VIEW



END VIEW



ELEVATION VIEW

NOTE: NOMINAL DIMENSIONS OF BLOCKS MAY VARY
CLASS P.C. CONCRETE SHALL BE USED THROUGHOUT.

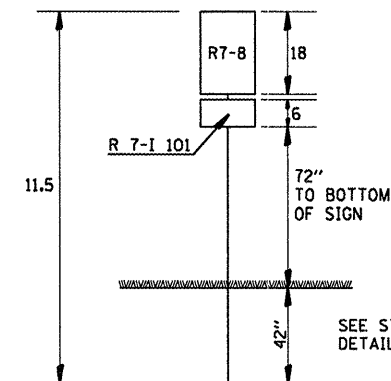
PARKING BLOCK DETAIL

SIGN R7-8



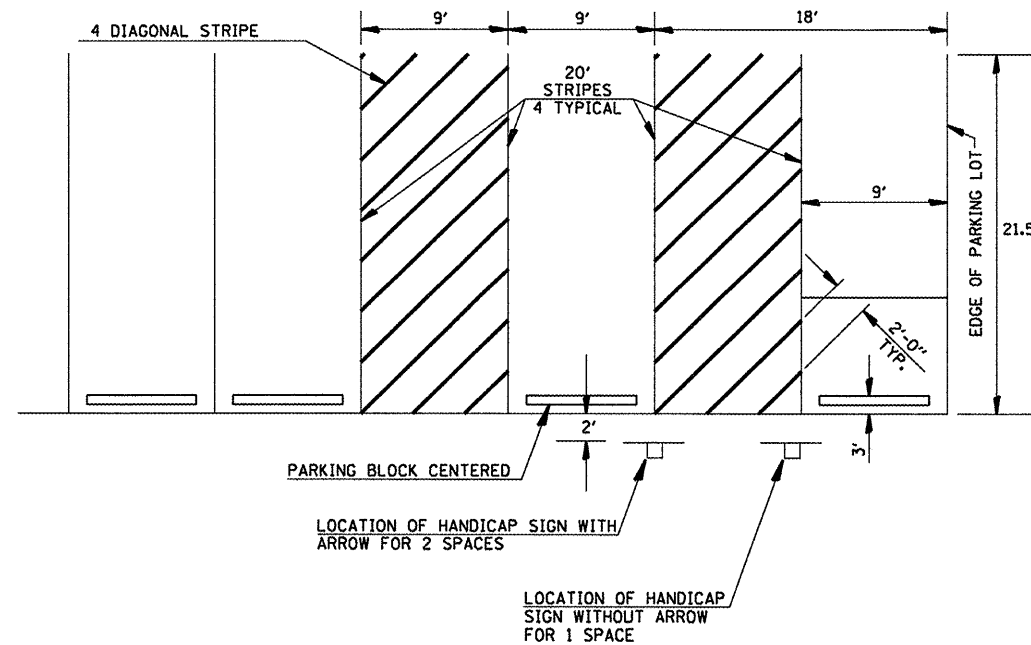
ARROW (USE ARROW AT LOCATIONS WHERE THERE ARE TWO HANDICAP SPOTS NEXT TO EACH OTHER.)

COLORS
LEGEND AND BORDER - GREEN
WHITE SYMBOL ON BLUE BACKGROUND
BACKGROUND - WHITE



SEE STD. T20011 & T29001 FOR DETAILS OF METAL POST, TYPE A

SIGN POST DETAILS



DETAIL OF PARKING SPACES

CUMMINS
ENGINEERING
CORPORATION

JOB = 2192
FILE NAME = 2192details.dgn
PLOT SCALE = 100.000' / IN.
PLOT DATE = 6/5/2009

DESIGNED - NAK
DRAWN - AJH
CHECKED - NAK
DATE - 1/22/2009

REVISED -
REVISED -
REVISED -
REVISED -

SANGAMON VALLEY TRAIL

DISABLED PARKING

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00173-00-BT	SANGAMON	173	66
CONTRACT NO.				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

93522

PLANT SCHEDULE

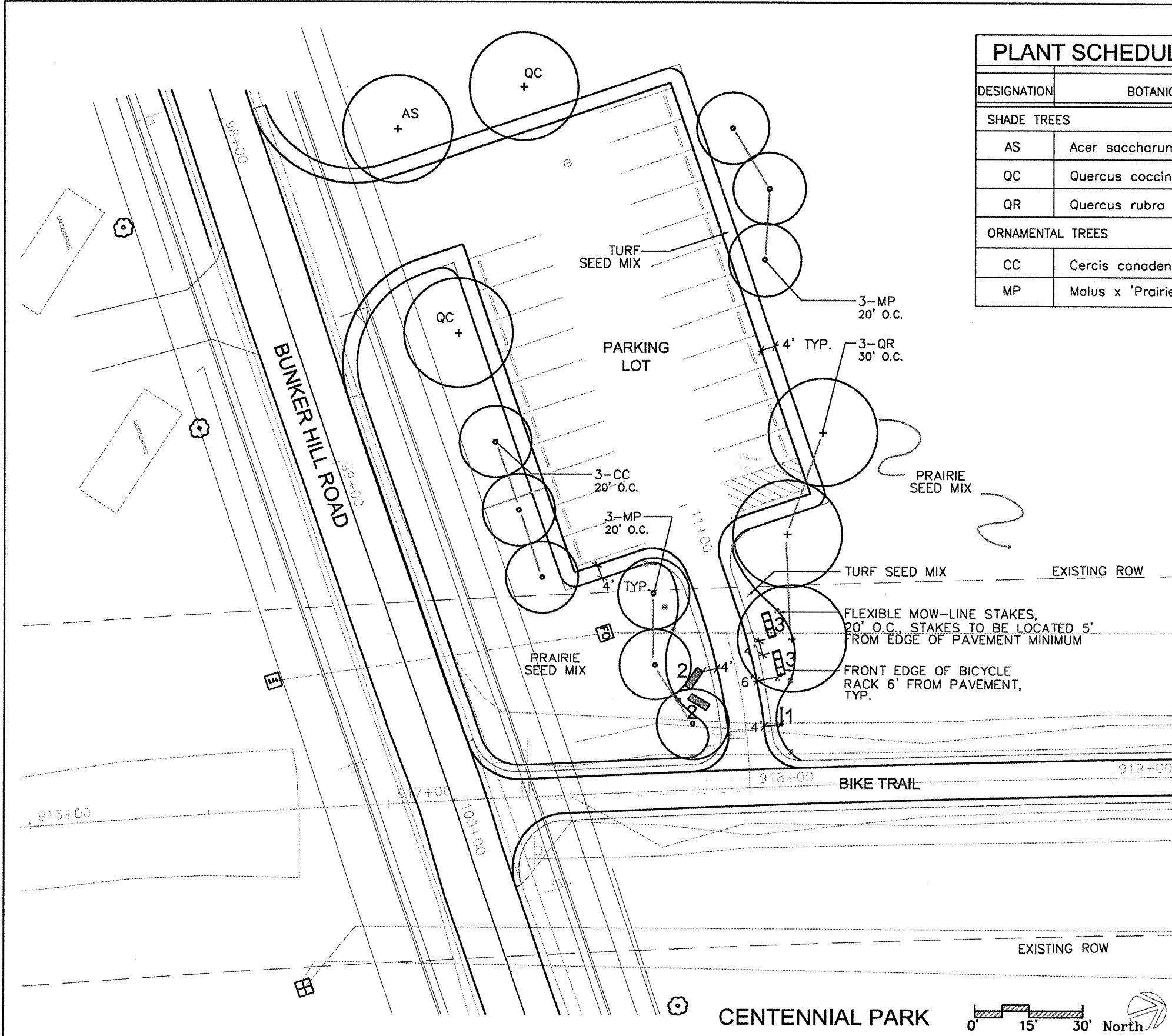
DESIGNATION	BOTANICAL NAME	COMMON NAME	SIZE	QUANTITY
SHADE TREES				
AS	Acer saccharum 'Green Mountain'	Green Mountain Sugar Maple	2 1/2" BB	1
QC	Quercus coccinea	Scarlet Oak	2 1/2" BB	2
QR	Quercus rubra	Red Oak	2 1/2" BB	3
ORNAMENTAL TREES				
CC	Cercis canadensis	Eastern Redbud	2", BB Tree Form	3
MP	Malus x 'Prairiefire'	Prairie Fire Crabapple	2", BB Tree Form	6

SITE FURNISHINGS SCHEDULE

DESIGNATION	DESCRIPTION	QUANTITY
1	Trail Head Sign	1
2	Bench	2
3	Bicycle Rack - 4 'U' units/rack	2

NOTES:

- All disturbed areas shall be prepared and seeded with turf mix or prairie mix according to Seeding Special Provisions.
- Plans show tentative tree and furnishing locations. Final locations will be staked in field by the Engineer.



Massie & Massie Associates	JOB # 2192	DESIGNED -- KM	REVISED --
	FILE NAME = 8P1E1S	DRAWN -- NFB	REVISED --
	PLOT SCALE = 8/32S	CHECKED -- SM	REVISED --
	PLOT DATE = 8/04/09	DATE -- 6/5/2009	REVISED --

SANGAMON VALLEY TRAIL

CENTENNIAL PARK TRAIL HEAD FACILITY

SCALE: _____ SHEET NO. 67 OF _____ SHEETS STA. _____ TO STA. _____

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00173-00-BT	SANGAMON	73	67
CONTRACT NO. 93522			FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT	

← EXISTING TRAIL TO DOG RUN

PROPOSED BIKE TRAIL

EXISTING PARKING LOT

EXISTING TREE, TYP.

FRONT EDGE OF BICYCLE RACK 6' FROM PAVEMENT, TYP.

PLAYGROUND AREA

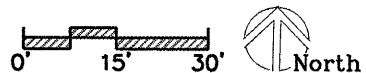
SITE FURNISHINGS SCHEDULE

DESIGNATION	DESCRIPTION	QUANTITY
1	Trail Head Sign	1
2	Bench	2
3	Bicycle Rack - 4 'U' units/rack	2

NOTES:

- All disturbed areas in Stuart Park shall be prepared and seeded with turf mix according to Seeding Special Provisions.

STUART PARK



Massie & Massie Associates

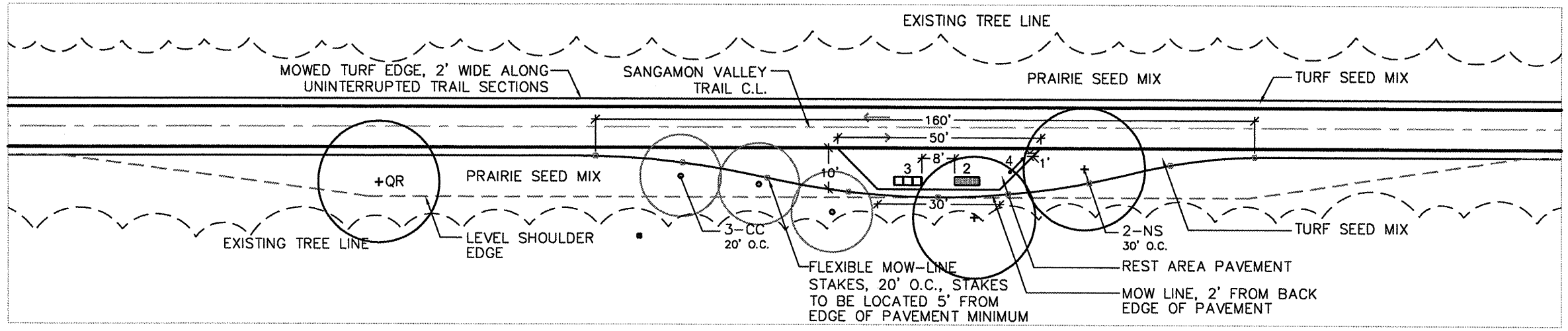
JOB = 2192	DESIGNED -- KM	REVISED --
FILE NAME = SFLELS	DRAWN -- NFB	REVISED --
PLOT SCALE = 8/32LES	CHECKED -- SM	REVISED --
PLOT DATE = 8/24/09	DATE -- 6/5/2009	REVISED --

SANGAMON VALLEY TRAIL

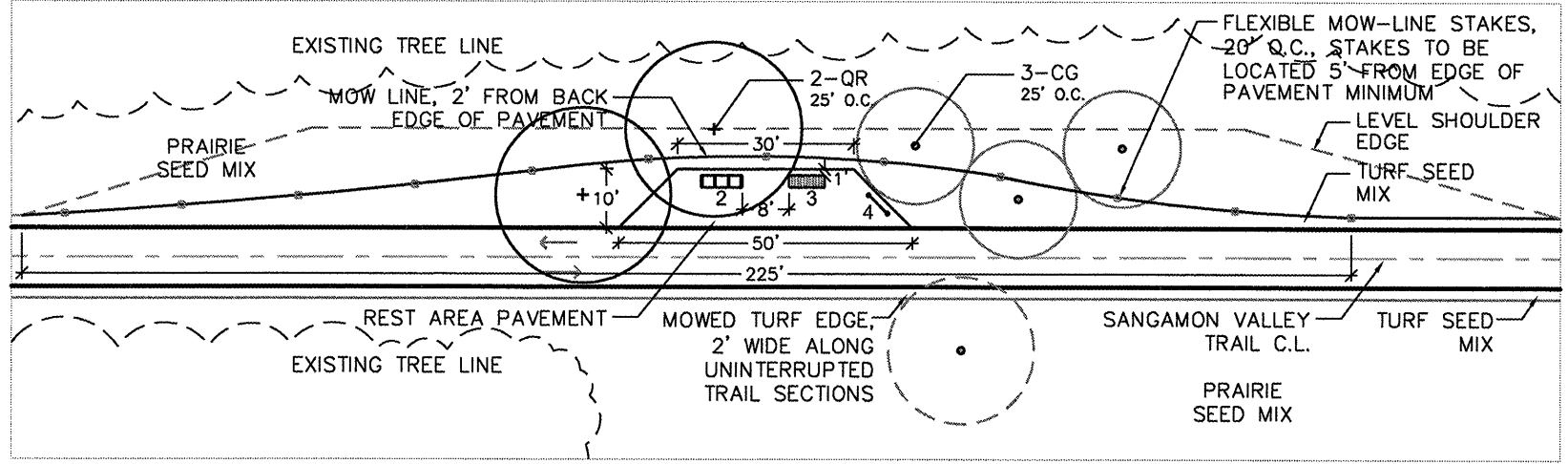
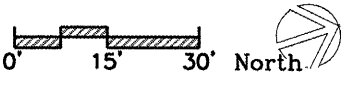
STUART PARK TRAIL HEAD FACILITY

SCALE: _____ SHEET NO. 68 OF _____ SHEETS STA. _____ TO STA. _____

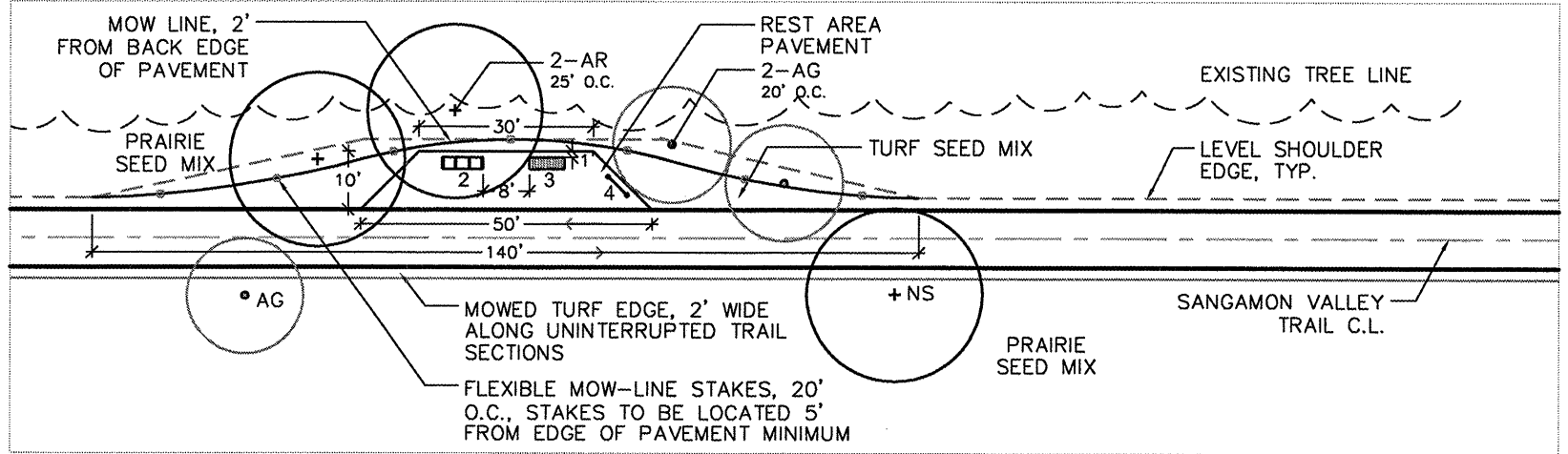
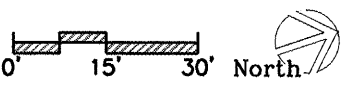
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00173-00-BT	SANGAMON	73	68
CONTRACT NO. 09522			ILLINOIS FED. AID PROJECT	



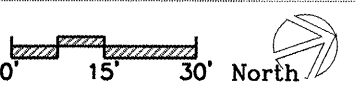
GREENBRIAR REST AREA
STA 1010+00.00



MEADOWBROOK REST AREA
STA 1079+50.00



WASHINGTON ST. REST AREA
STA 1121+50.00



PLANT SCHEDULE - REST AREAS				
DESIGNATION	BOTANICAL NAME	COMMON NAME	SIZE	QUANTITY
SHADE TREES				
AR	Acer rubrum 'Red Sunset'	Red Sunset Red Maple	2 1/2" BB	2
NS	Nyssa sylvatica	Black Tupelo	2 1/2" BB	3
QR	Quercus rubra	Red Oak	2 1/2" BB	3
ORNAMENTAL TREES				
AG	Amalanchier grandiflora 'Autumn Brilliance'	Autumn Brilliance Serviceberry	2", BB Tree Form	3
CC	Cercis canadensis	Eastern Redbud	2", BB Tree Form	3
CG	Crataegus crusgallis v. inermis	Thornless Cockspur Hawthorn	2", BB Tree Form	3

SITE FURNISHINGS SCHEDULE					
DESIGNATION	DESCRIPTION	GREENBRIAR QUANTITY	MEADOWBROOK QUANTITY	WASH. ST. QUANTITY	TOTAL QUANTITY
2	Bench	1	1	1	3
3	Bicycle Rack - 4 'U' units/rack	1	1	1	3
4	Rest Area Sign	1	1	1	3

- NOTES:
- All disturbed areas shall be prepared and seeded with turf mix or prairie mix according to Seeding Special Provisions.
 - Plans show tentative tree and furnishing locations. Final locations will be staked in field by the Engineer.

Massie & Massie Associates

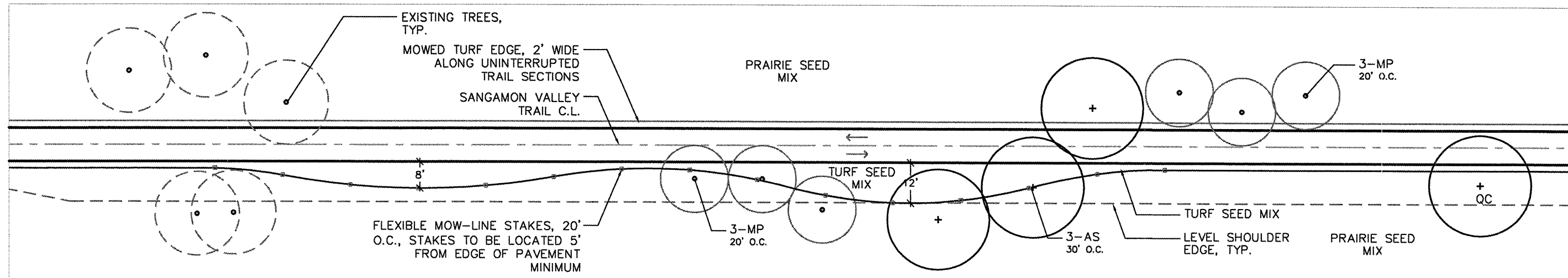
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SANGAMON VALLEY TRAIL

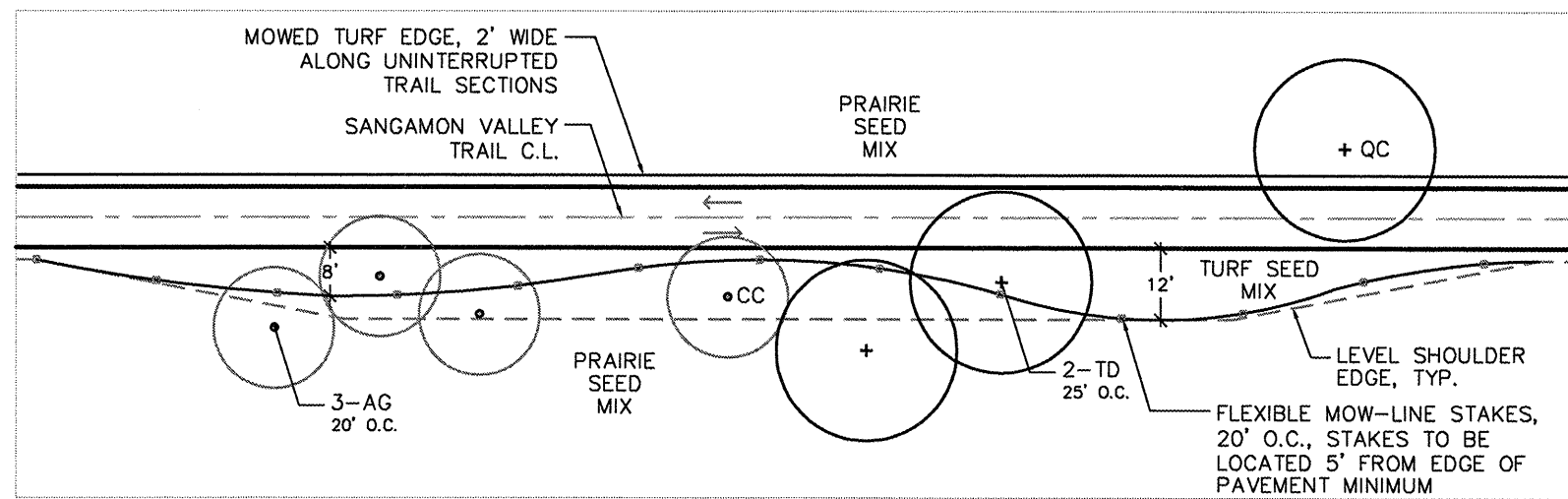
REST AREAS

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CONTRACT NO.				

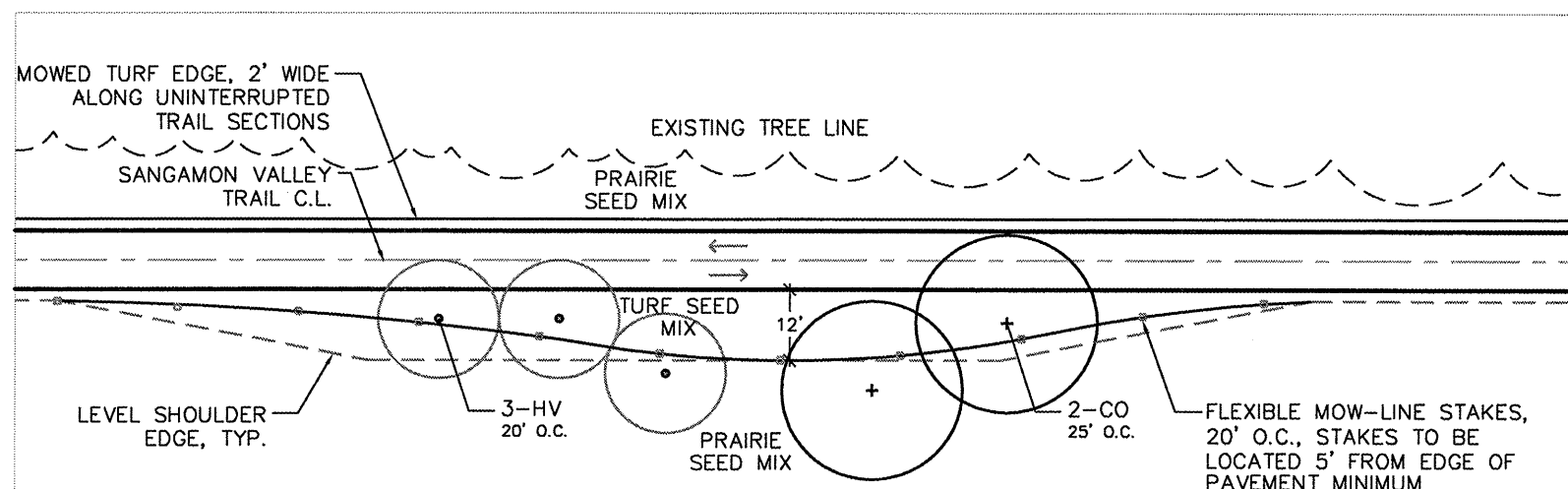
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PLANTING AREA 1
STA 947+75.00



PLANTING AREA 2
STA 1019+00.00



PLANTING AREA 3
STA 1084+25.00

PLANT SCHEDULE

DESIGNATION	BOTANICAL NAME	COMMON NAME	SIZE	QUANTITY
SHADE TREES				
AS	<i>Acer saccharum</i> 'Green Mountain'	Green Mountain Sugar Maple	2 1/2" BB	3
CO	<i>Carya ovata</i>	Shagbark Hickory	2 1/2" BB	2
QC	<i>Quercus coccinea</i>	Scarlet Oak	2 1/2" BB	2
TD	<i>Taxodium distichum</i>	Common Baldcypress	2 1/2" BB	2
ORNAMENTAL TREES				
AG	<i>Amalanchier grandiflora</i> 'Autumn Brilliance'	Autumn Brilliance Serviceberry	2" BB Tree Form	3
CC	<i>Cercis canadensis</i>	Eastern Redbud	2" BB Tree Form	1
HV	<i>Hamamelis virginiana</i>	Common Witchhazel	6' height BB multi-stem	3
MP	<i>Malus</i> 'Prairiefire'	Prairie Fire Crabapple	2" BB Tree Form	6

NOTES:

- All disturbed areas shall be prepared and seeded with turf mix or prairie mix according to Seeding Special Provisions.
- Plans show tentative tree locations. Final locations will be staked in field by the Engineer.

Massie & Massie Associates

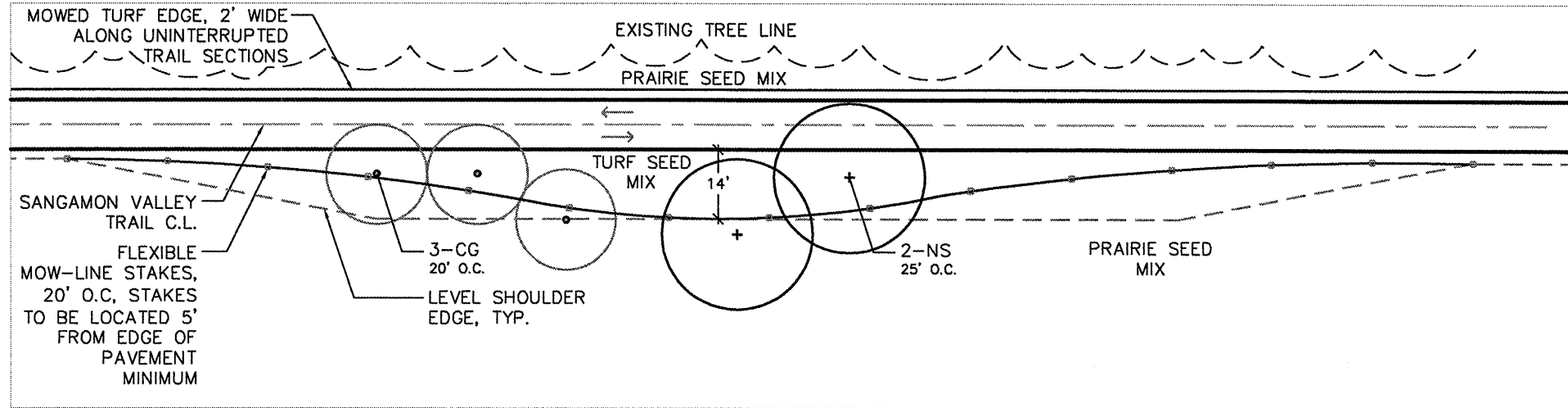
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PLOT DATE = 6/5/2009	DATE - 6/5/2009	REVISED -

SANGAMON VALLEY TRAIL

PLANTING AREAS 1

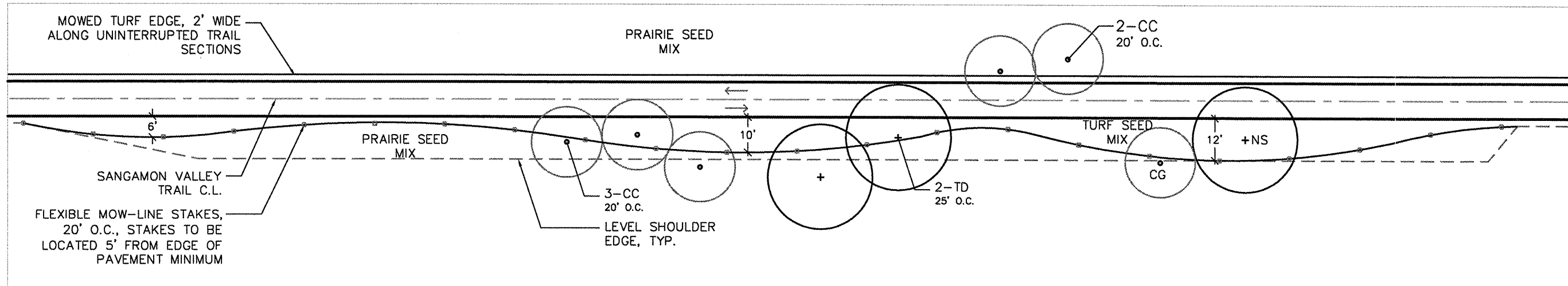
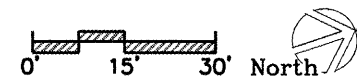
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93522



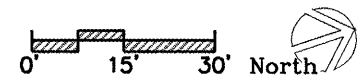
PLANTING AREA 4

STA 1105+00.00



PLANTING AREA 5

STA 1186+29.00



PLANT SCHEDULE				
DESIGNATION	BOTANICAL NAME	COMMON NAME	SIZE	QUANTITY
SHADE TREES				
NS	<i>Nyssa sylvatica</i>	Black Tupelo	2 1/2" BB	3
TD	<i>Taxodium distichum</i>	Common Baldcypress	2 1/2" BB	2
ORNAMENTAL TREES				
CC	<i>Cercis canadensis</i>	Eastern Redbud	2", BB Tree Form	5
CG	<i>Crataegus crusgallis v. inermis</i>	Thornless Cockspur Hawthorn	2", BB Tree Form	4

NOTES:

- All disturbed areas shall be prepared and seeded with turf mix or prairie mix according to Seeding Special Provisions.
- Plans show tentative tree locations. Final locations will be staked in field by the Engineer.

Massie & Massie Associates

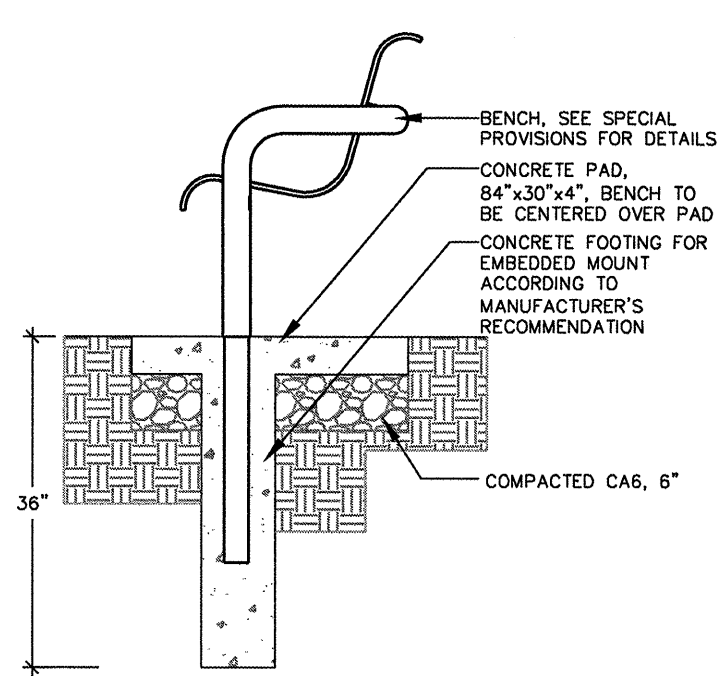
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PLOT DATE = SDATES	DATE -- 6/5/2009	REVISED --

SANGAMON VALLEY TRAIL

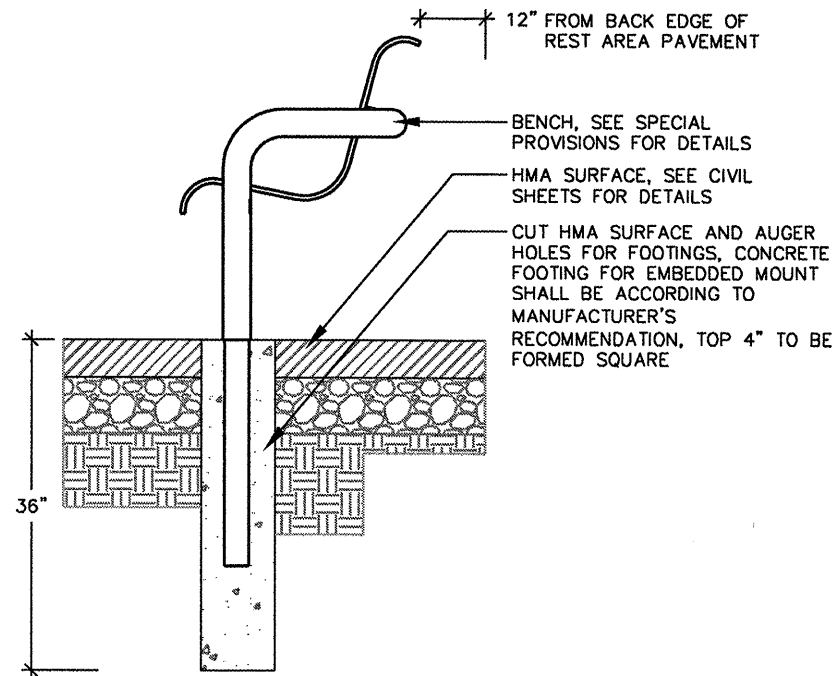
PLANTING AREAS 2

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FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				

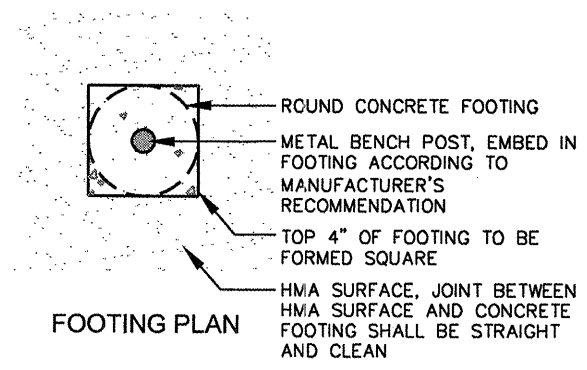
CONTRACT NO. 9352



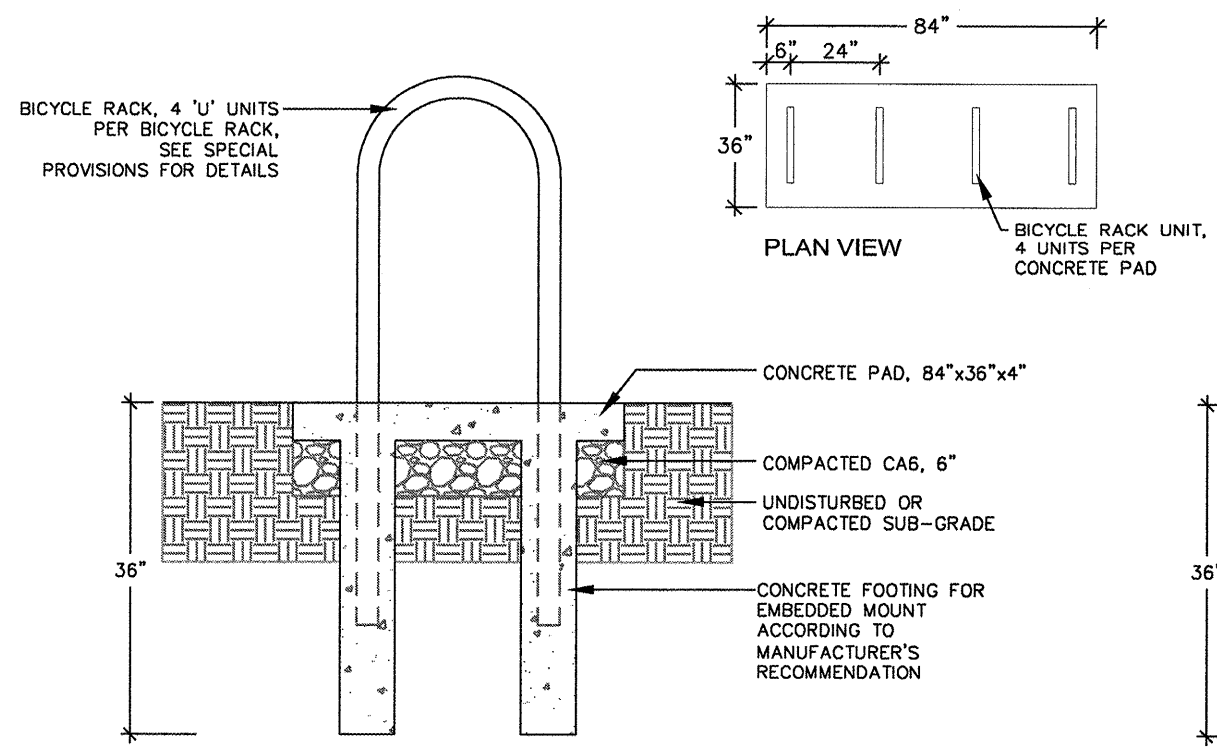
L6
1 **BENCH**
WITH CONCRETE BASE NOT TO SCALE



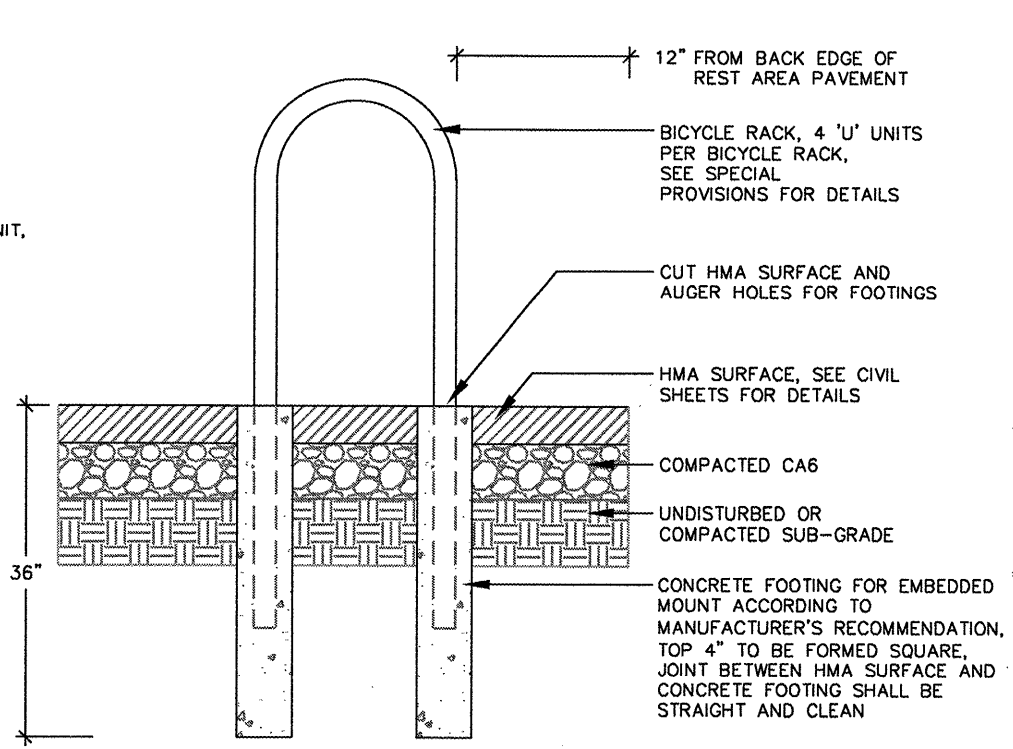
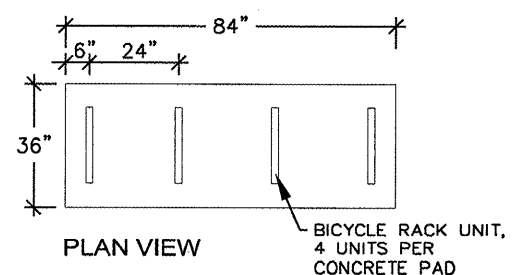
L6
2 **BENCH**
ON BITUMINOUS BASE NOT TO SCALE



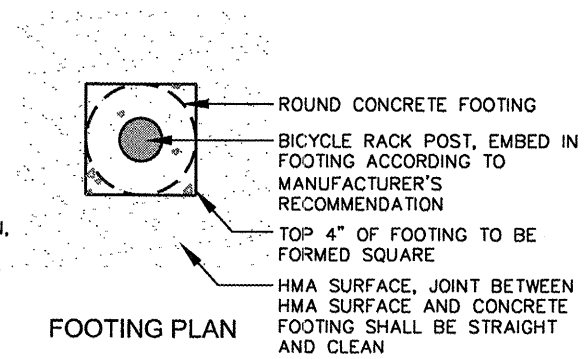
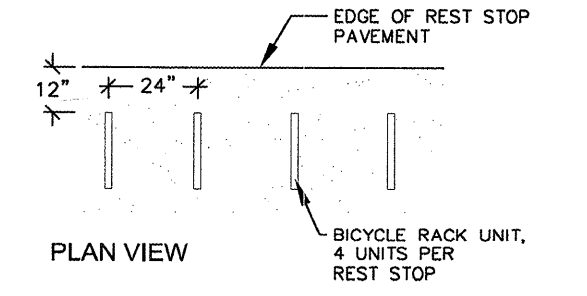
FOOTING PLAN



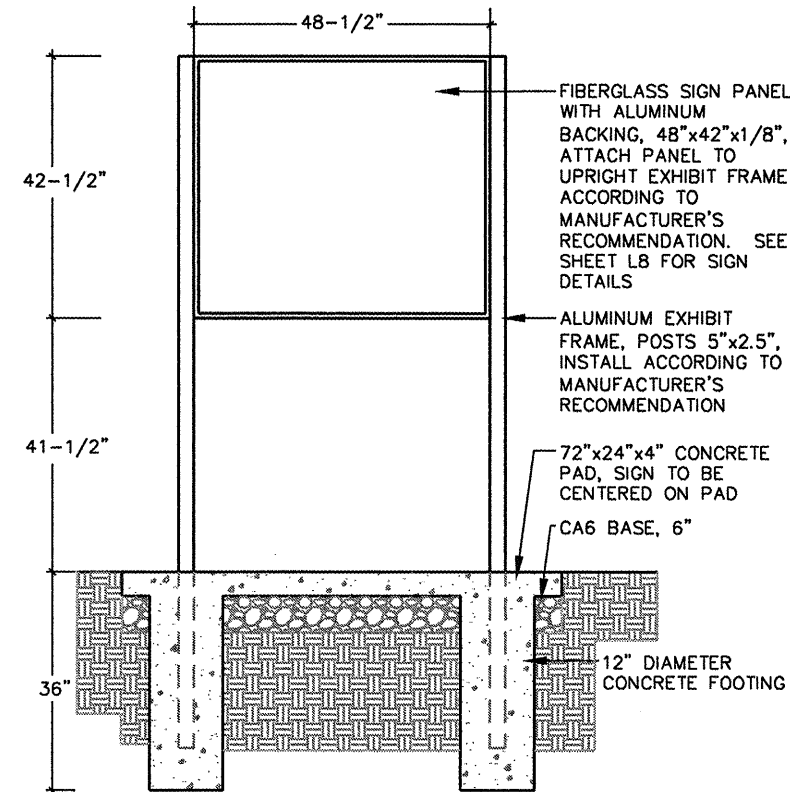
L6
3 **BICYCLE RACK**
WITH CONCRETE BASE NOT TO SCALE



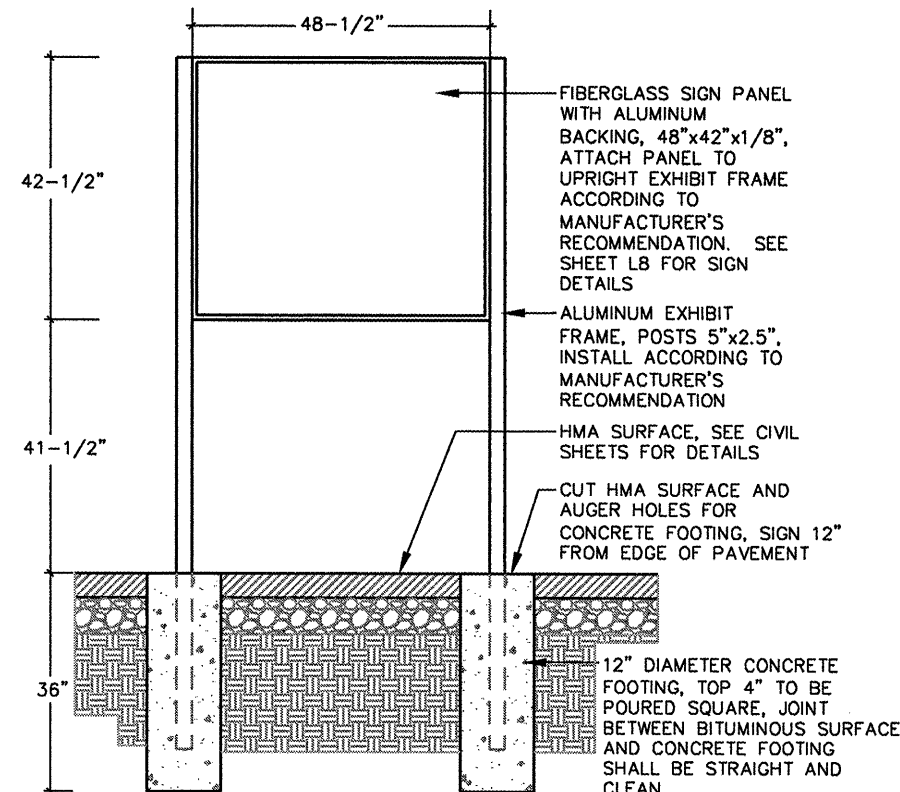
L6
4 **BICYCLE RACK**
ON BITUMINOUS BASE NOT TO SCALE



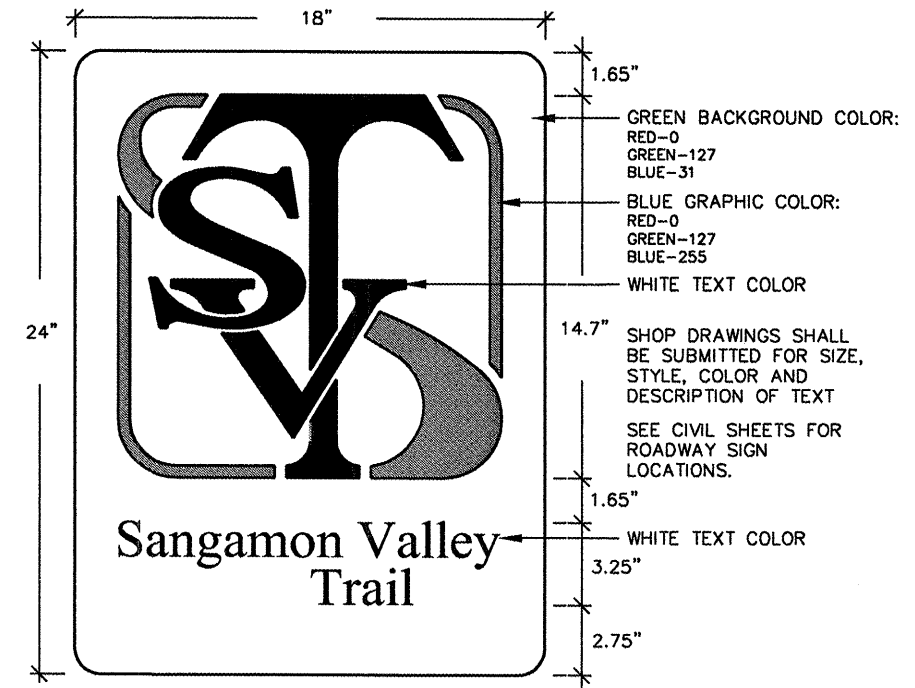
FOOTING PLAN



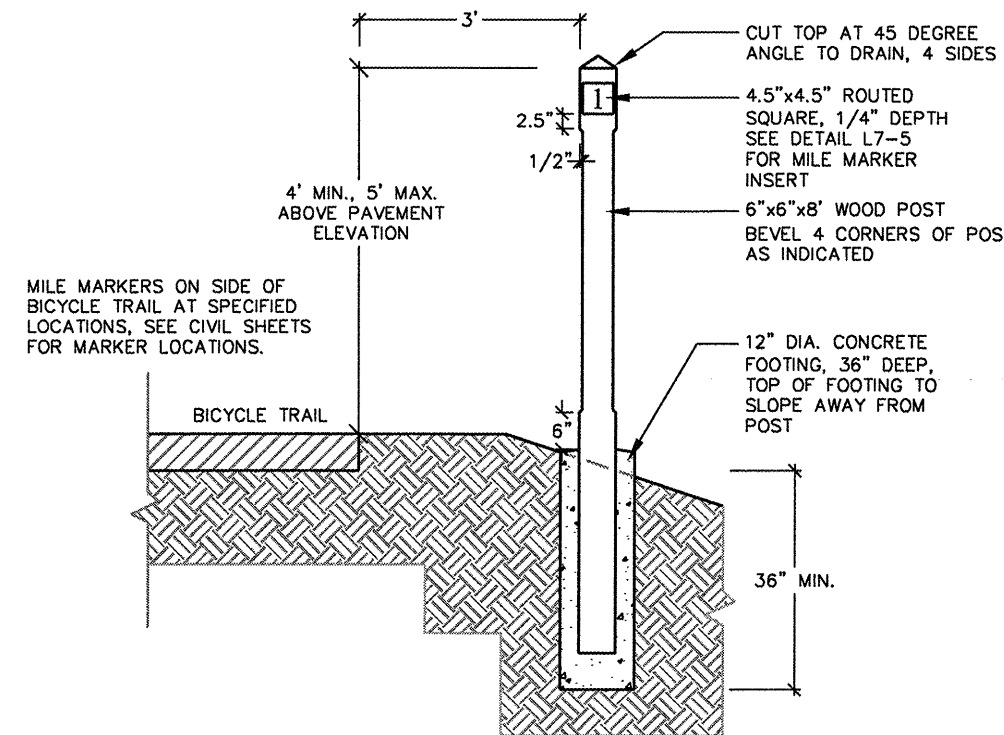
L7
1 TRAIL HEAD SIGN FRAME WITH CONCRETE PAD NOT TO SCALE



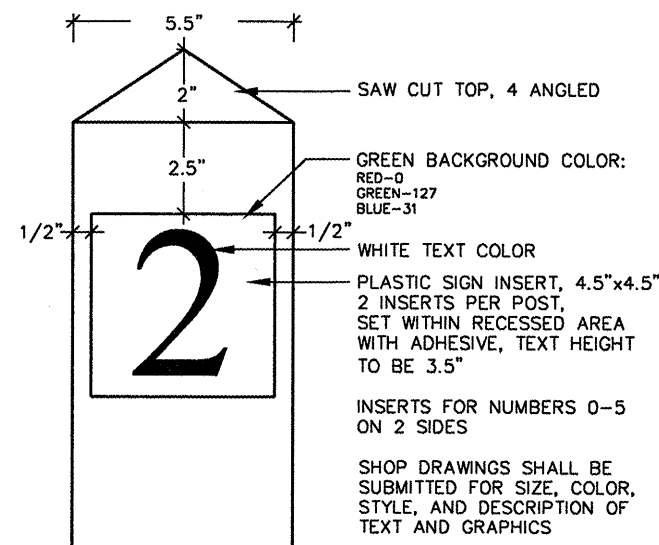
L7
2 REST STOP SIGN FRAME WITH BITUMINOUS SURFACE NOT TO SCALE



L7
3 TRAIL LOGO NOT TO SCALE



L7
4 MILE MARKER NOT TO SCALE



L7
5 MILE MARKER INSERT NOT TO SCALE



L8
1 CENTENNIAL PARK TRAIL HEAD SIGN NOT TO SCALE



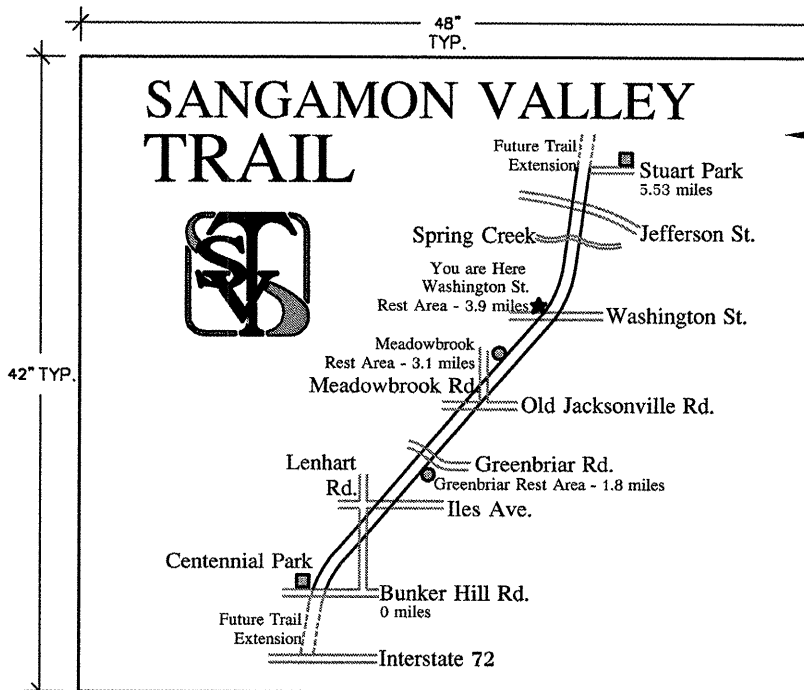
L8
2 STUART PARK TRAIL HEAD SIGN NOT TO SCALE



L8
3 GREENBRIAR REST AREA SIGN NOT TO SCALE



L8
4 MEADOWBROOK REST AREA SIGN NOT TO SCALE

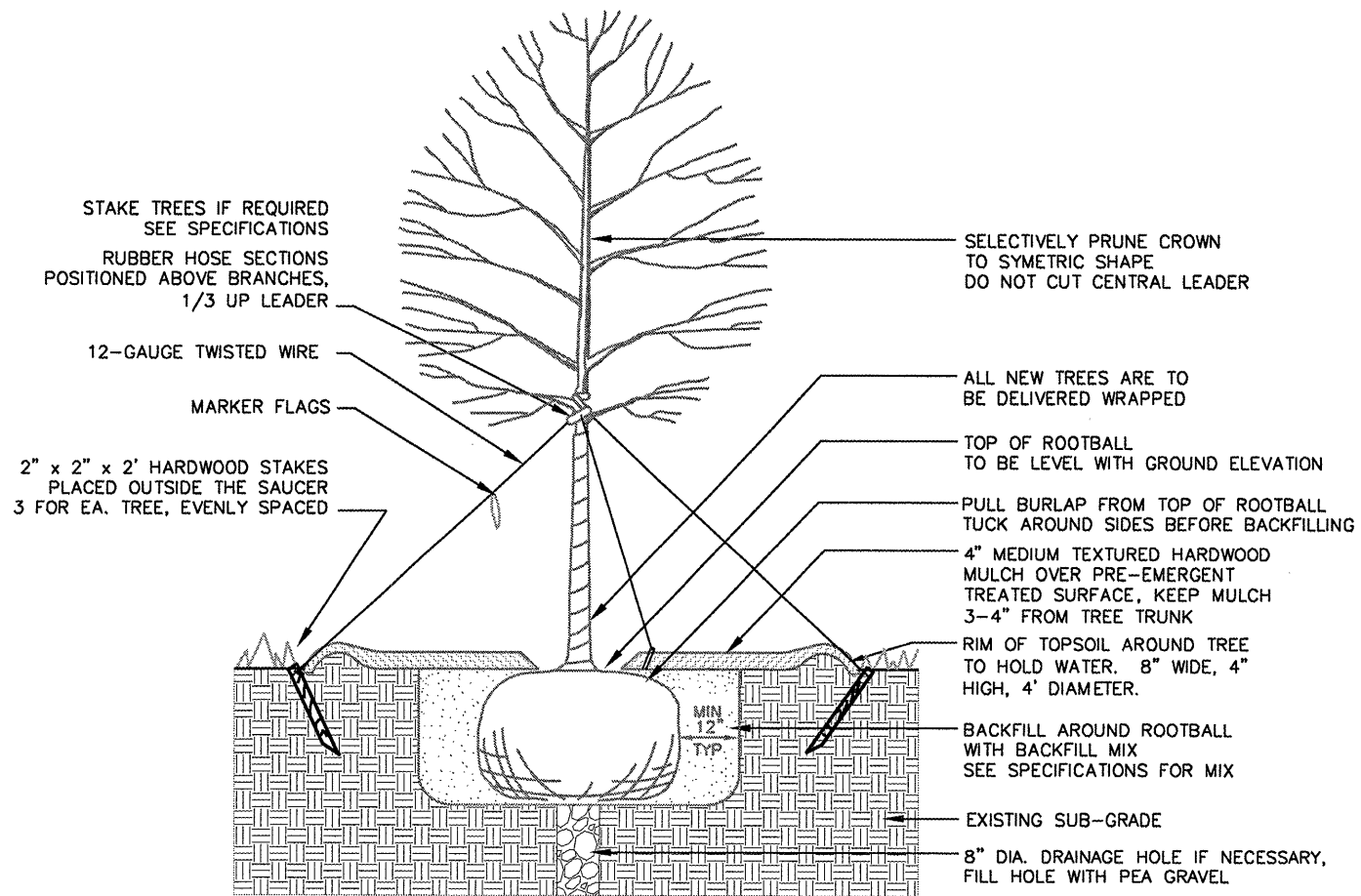


L8
5 WASHINGTON ST. REST AREA SIGN NOT TO SCALE

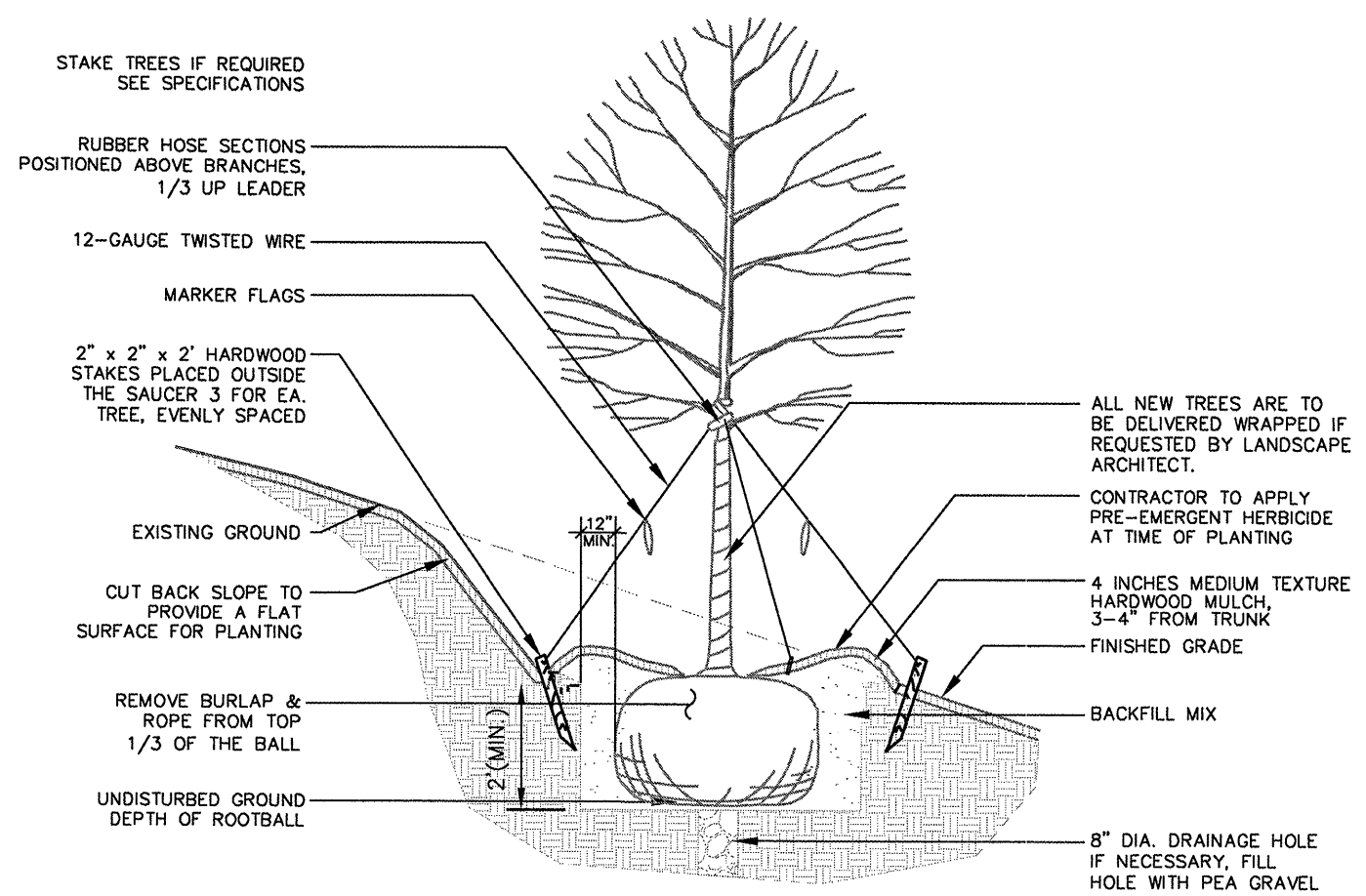
FIBERGLASS SIGN PANEL WITH ALUMINUM BACKING, 48"x42"x1/8", ATTACH PANEL TO ALUMINUM POSTS WITH ATTACHMENT BRACKETS ACCORDING TO MANUFACTURER'S RECOMMENDATION.

SHOP DRAWINGS SHALL BE SUBMITTED FOR SIZE, COLOR, STYLE, AND DESCRIPTION OF TEXT AND GRAPHICS

LOGO COLORS SHALL BE ACCORDING TO DETAIL L7-3, OTHER COLORS TO BE USED ON TRAIL SIGNS TO BE SELECTED.



L9 TREE
1 NOT TO SCALE



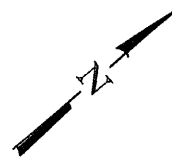
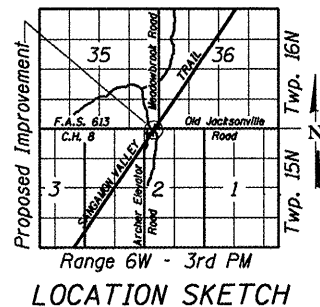
L9 TREE ON EMBANKMENT
2 NOT TO SCALE

B.M. #9 Chiseled Square on Southwest Corner of Railroad Bridge South Abutment, Station 1053+27.3, 6.4' Lt., Elev. 602.75

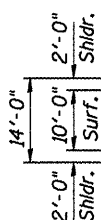
Existing Structure: SN 084-9912, originally built in 1923 as C&NW Railway Bridge 1871 over Jacksonville Road. The existing structure is a 7-span riveted deck plate girder bridge with precast concrete units on spread footing concrete piers and north abutment, and a pile supported south abutment. The structure is 352'-0" fc.-to-fc of abutment backwalls with a 14'-0" o.-o. deck width. The existing structure will be rehabilitated to carry pedestrian traffic.

The Contractor will remove the existing precast concrete units, remove and replace the existing steel in Span 1, remove and replace the existing steel in Spans 5 thru 7 with a prefabricated pedestrian truss bridge spanning from Pier 4 to the North Abutment, remove Pier 5 & 6, modify the existing abutments, add concrete pedestals at Pier 1 & 4, construct a new timber deck and railing, and place riprap at Pier 2.

No Salvage.

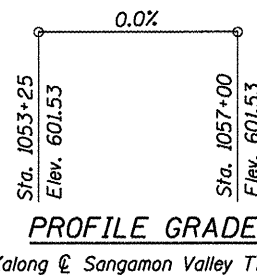


Centerline Sangamon Valley Trail

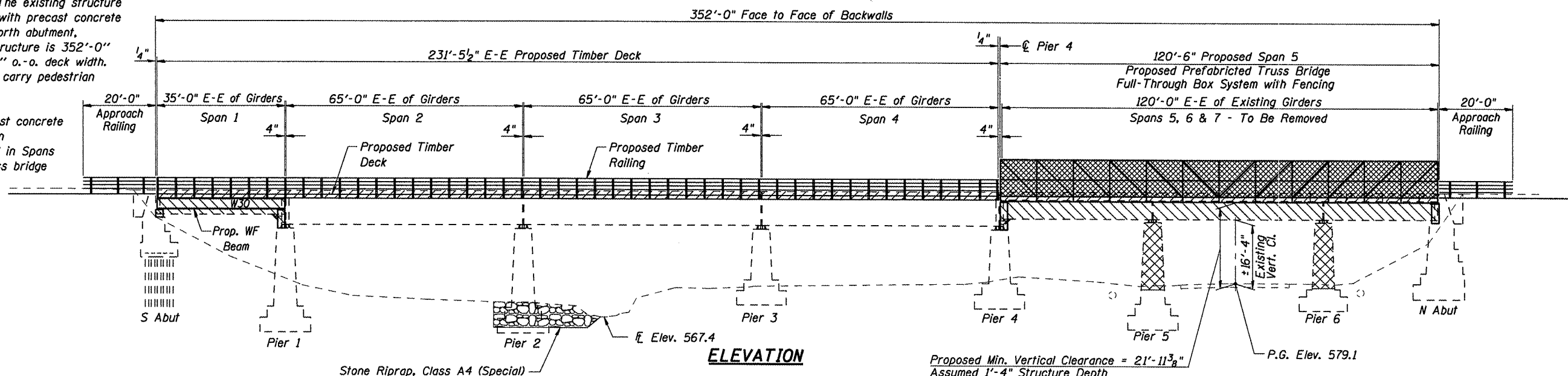


Approach Railing (typ.)

Face of S. Abut. 1053+27.50



- Removal of Existing Precast Concrete Units
- Removal of Existing Substructure
- Removal of Existing Superstructures



ELEVATION

Proposed Min. Vertical Clearance = 21'-11 3/8"
Assumed 1'-4" Structure Depth

SEISMIC DATA

Seismic Performance Category (SPC) = A
Bedrock Acceleration Coefficient (A) = 0.05g
Site Coefficient (S) = 2.0

DESIGN SPECIFICATIONS

2002 AASHTO
1997 AASHTO "Guide Specifications for Design of Pedestrian Bridges".

LOADING

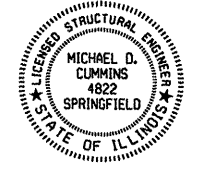
Vehicle Load: 10,000lb Emergency Vehicle
Pedestrian Load: 85 psf uniform load

DESIGN STRESSES

$f'_c = 3,500$ psi (Substructure)
 $f_y = 60,000$ psi (Reinforcement)
 $f_b = 1,600$ psi (Timber)
 $f_b = 1,850$ psi (Timber Planking)

"I certify that to the best of my knowledge, information and belief, this bridge design is structurally adequate for the design loading shown on the plans. The design is an economical one for the style of structure and complies with requirements of the current 'AASHTO Guide Specifications for Design of Pedestrian Bridges'."

Michael D. Cummins 6/9/09
ILLINOIS STRUCTURAL NO. 4822 (Expires 11/30/10)



PLAN

Centerline Bridge Sta. 1055+03.50

Point of Existing & Proposed Minimum Vertical Clearance

GENERAL PLAN & ELEVATION
SANGAMON VALLEY TRAIL
OVER OLD JACKSONVILLE ROAD
SECTION 05-00173-00-BT
SANGAMON COUNTY
STATION 1055+03.5
SVT BRIDGE NO. 12
STRUCTURE NO. 084-9912



JOB = 2192	DESIGNED M.D.C.
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DATE = 6/9/2009	DRAWN T.S.H.
	CHECKED M.D.C.

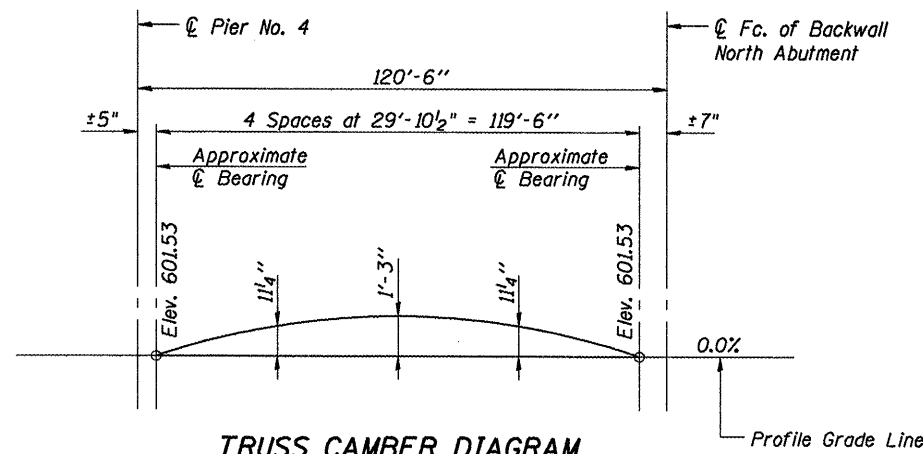
Sheet 1 of 12	RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	SVT	05-00173-00-BT	SANGAMON	173	76
SANGAMON VALLEY TRAIL			CONTRACT NO.		
FED. ROAD DIST. NO. 6			ILLINOIS FED. AID PROJECT		

93522

GENERAL NOTES

- Fasteners shall be AASHTO M164 Type 3. Bolts 3/4" φ, holes 15/16" φ, unless otherwise noted.
- All structural steel shall be AASHTO M 270 Grade 50W. Calculated weight of structural steel = 8,100 pounds.
- No field welding is permitted except as specified in the contract documents.
- All Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60. See Special Provisions.
- Reinforcement bars shall be epoxy coated.
- Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope or work, however, the Contractor will be paid for the quantity actually furnished at the unit bid price for work.
- Concrete Sealer shall be applied to the exposed surfaces of the new concrete bearing pedestals at the abutments and at Piers 1 & 4.
- The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.
- Unless noted otherwise, exposed concrete edges shall have a 3/4" chamfer.
- The Contractor shall provide and install all necessary timber shims to construct a level deck surface.
- Timber deck planks shall be placed with the grain such that cupping will not cause water to sit on a plank.
- The Contractor shall field verify all conditions at the site prior to the start of construction.
- All structural timber shall be treated to conform to Section 507 of the Standard Specifications.
- All hardware required for timber construction, including nuts, washers, lag screws, threaded rods and miscellaneous fasteners shall be stainless steel or hot-dipped galvanized and shall conform to Section 507 of the Standard Specifications unless noted otherwise.
- Anchor bolts shall be set before bolting diaphragms.
- The Contractor shall remove the existing debris from all piers and abutments. The cost of this work shall be included in the cost for "Removal of Existing Precast Concrete Units".
- It shall be the responsibility of the Contractor to verify all dimensions and elevations of the existing structure in the field prior to construction and ordering materials. Do not scale dimensions from the drawings for construction purposes.
- If, during the performance of the work, the Contractor finds a conflict or discrepancy related to existing details and dimensions of the existing structure, the Contractor shall report such discrepancies to the Engineer in writing at once and before proceeding with the work affected thereby. The Contractor shall obtain written interpretation or clarification of such discrepancies.
- Removal of the existing Precast Concrete Units and ballast shall not be conducted over traffic. See Special Provisions for Traffic Control.
- All lumber dimensions given are nominal dimensions. The minimum surfaced areas of timbers shall be as follows:

NOMINAL SIZE	DRESSED
2 x 6	1 1/2" x 5 1/2"
2 x 8	1 1/2" x 7 1/4"
2 x 12	1 1/2" x 11 1/4"
3 x 12	2 1/2" x 11 1/4"
6 x 6	5 1/2" x 5 1/2"
8 x 8	7 1/2" x 7 1/2"



TRUSS CAMBER DIAGRAM

Note: Camber Diagram for Fabricator's use only. Final Resultant Camber shall be cambered for dead load plus the specified amount shown above.

PEDESTRIAN TRUSS SUPERSTRUCTURE

ASSUMED TRUSS REACTIONS (+)=Downward (-)=Upward			
	P (lbs)	H (lbs)	L (lbs)
Dead Load	16,400	-	-
Uniform Live Load (85 psf)	25,500	-	-
Vehicle Load	5,000	-	-
Wind Uplift (20psf)	-9,900	-	-
Wind	±9,720	18,900	-
Thermal	-	-	5,740

"P" - Vertical Load at Each Base Plate (4 per Bridge)
 "H" - Horizontal Load at Each Footing (2 per Bridge)
 "L" - Longitudinal Load at Each Bearing (4 per Bridge)

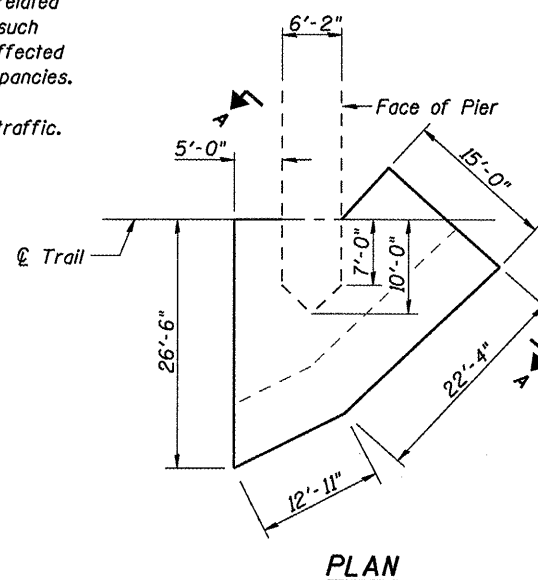
INDEX OF SHEETS

- General Plan & Elevation
- General Notes, Total Bill of Material, & Riprap at Pier 2
- Typical Cross Sections
- Timber Deck & Railing Details Spans 1-4
- Timber Framing Details Spans 1-4
- Timber Details
- Steel Framing & Details Span 1
- Substructure & Bearing Layout
- Abutment Details
- Pier Details

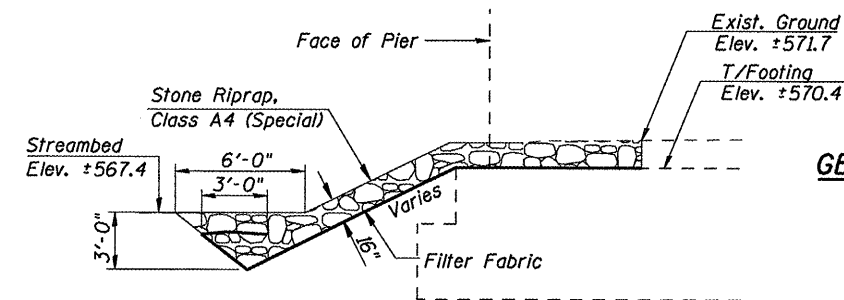
TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Treated Timber	F.B.M.	26,965	140	27,105
Hardware	Pound	4,920	80	5,000
Concrete Structures	Cu. Yd.		15.7	15.7
Removal of Existing Superstructures	L. Sum	1		1
Removal of Existing Substructure	L. Sum		1	1
Concrete Removal	Cu. Yd.		0.8	0.8
Furnishing and Erecting Structural Steel	L. Sum	1		1
Reinforcement Bars, Epoxy Coated	Pound		1,680	1,680
Removal of Existing Precast Concrete Units	Sq. Ft.	4,928		4,928
Pedestrian Truss Superstructure	Sq. Ft.	1,205		1,205
Concrete Sealer	Sq. Ft.		649	649
Stone Riprap, Class A4 (Special)	Ton		40	40

* See Special Provisions



PLAN



SECTION A-A

GENERAL NOTES, TOTAL BILL OF MATERIAL & RIPRAP DETAIL AT PIER 2 SANGAMON VALLEY TRAIL OVER OLD JACKSONVILLE ROAD SVT BRIDGE NO. 12 STRUCTURE NO. 084-9912

CEC Cummins Engineering Corporation
 Civil and Structural Engineering

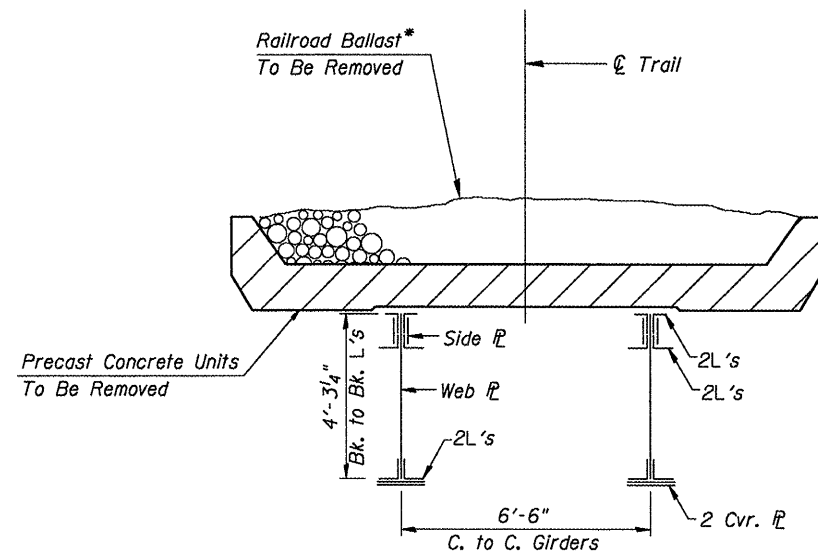
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FILE = 2192oldjack_gennotes	CHECKED	A.A.N.
DATE = 1/8/2010	DRAWN	T.S.H.
	CHECKED	M.D.C.

Note: Layout of slope protection system may be varied in the field to suit ground conditions as directed by the Engineer.

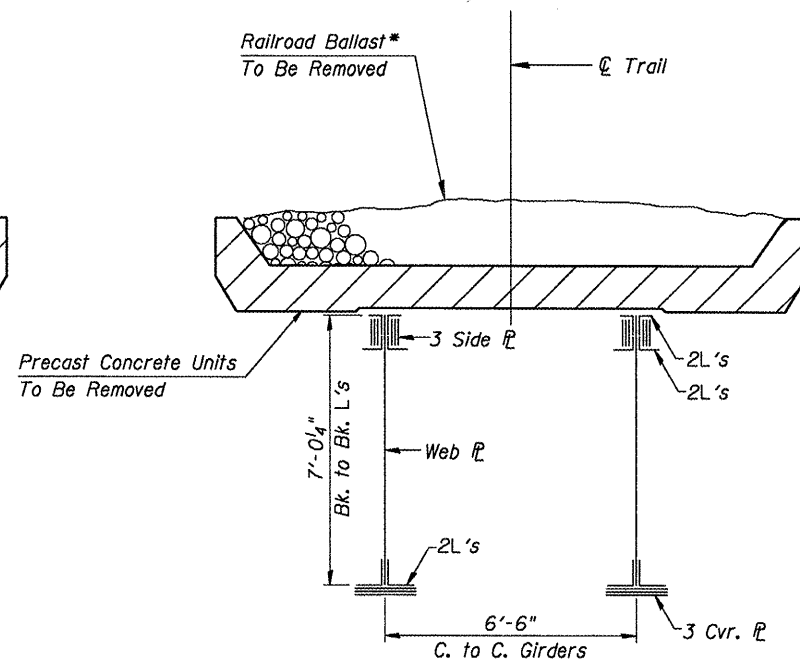
RIPRAP DETAIL AT PIER 2

Sheet 2 of 12	RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	SVT	05-00173-00-BT	SANGAMON	173	77
SANGAMON VALLEY TRAIL			CONTRACT NO.		
FED. ROAD DIST. NO. 6			ILLINOIS FED. AID PROJECT		

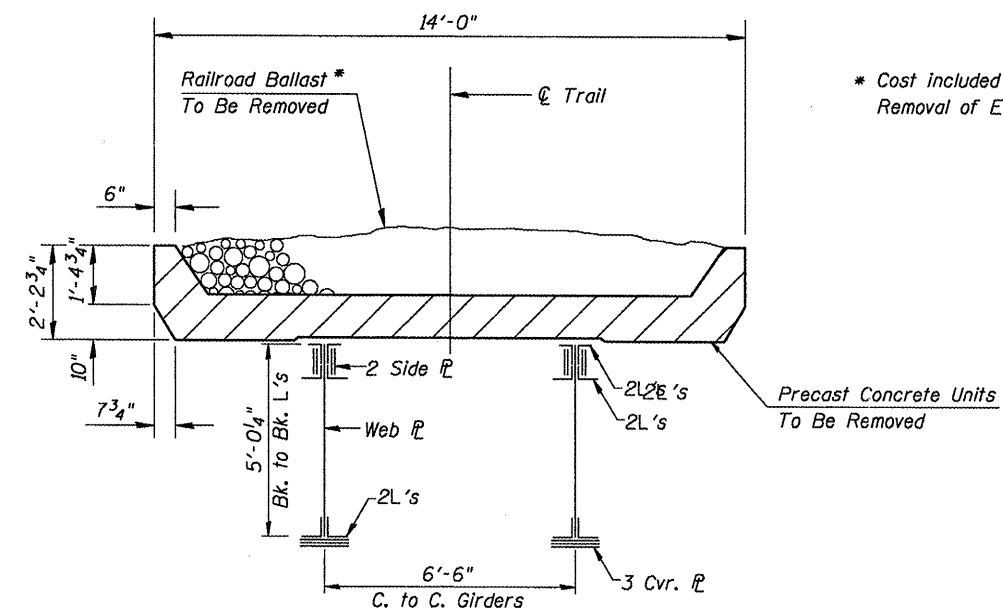
93522



**EXISTING CROSS SECTION
35' RIVETED DECK PLATE GIRDER
(SPAN 1 - GIRDERS TO BE REMOVED)**

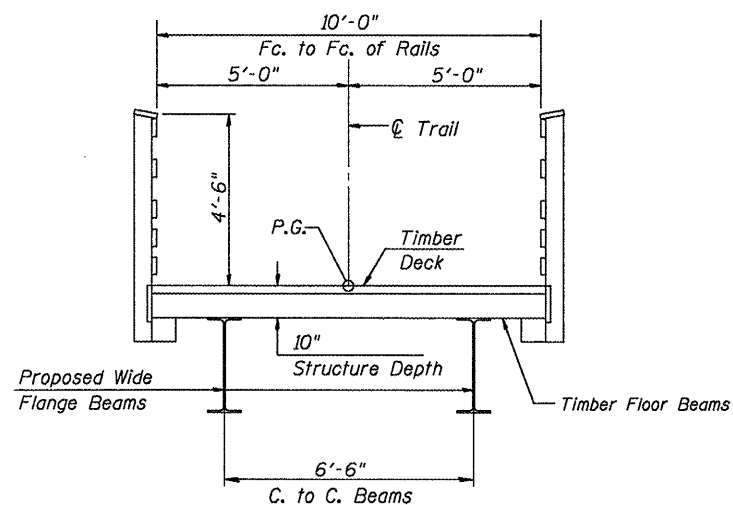


**EXISTING CROSS SECTION
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(SPANS 2-4 - GIRDERS TO REMAIN)**

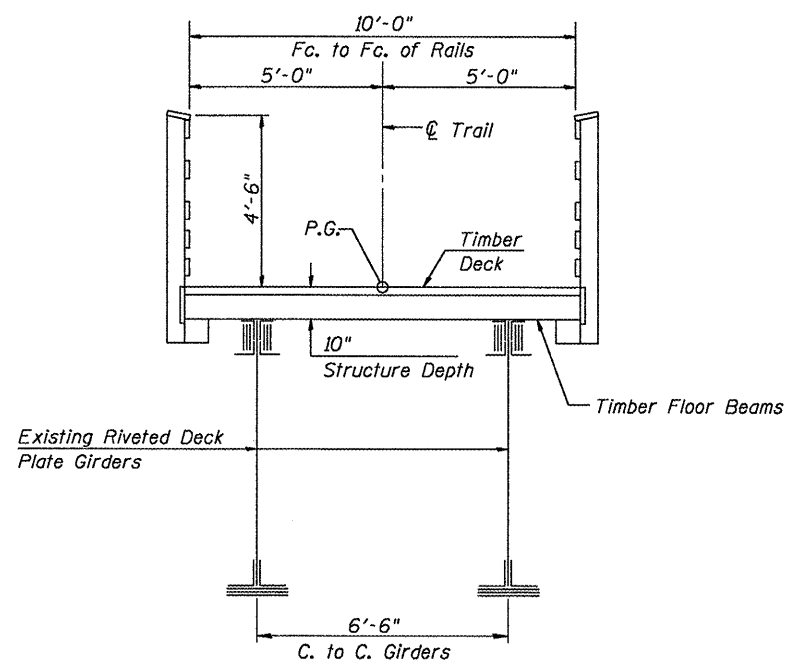


**EXISTING CROSS SECTION
47' RIVETED DECK PLATE GIRDER
(SPANS 5-7 - GIRDERS TO BE REMOVED)**

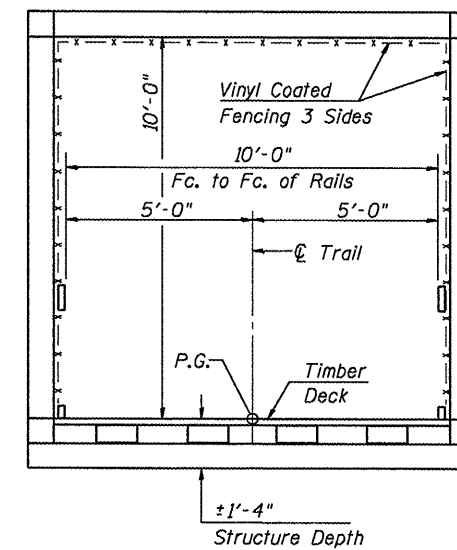
* Cost included in the cost for Removal of Existing Precast Concrete Units.



**PROPOSED CROSS SECTION
NEW STEEL BEAMS
SPAN 1**

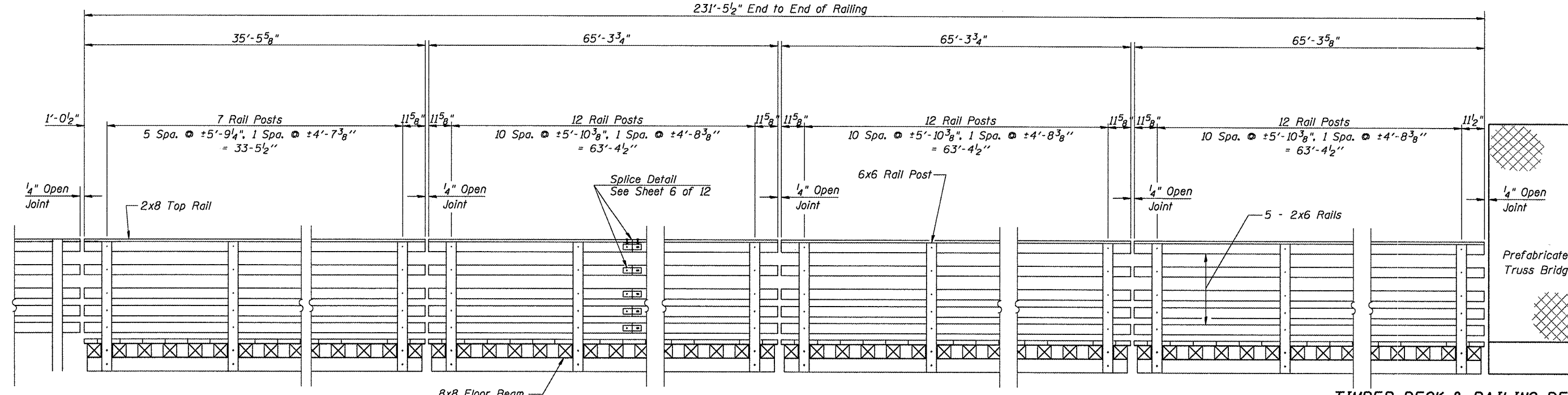
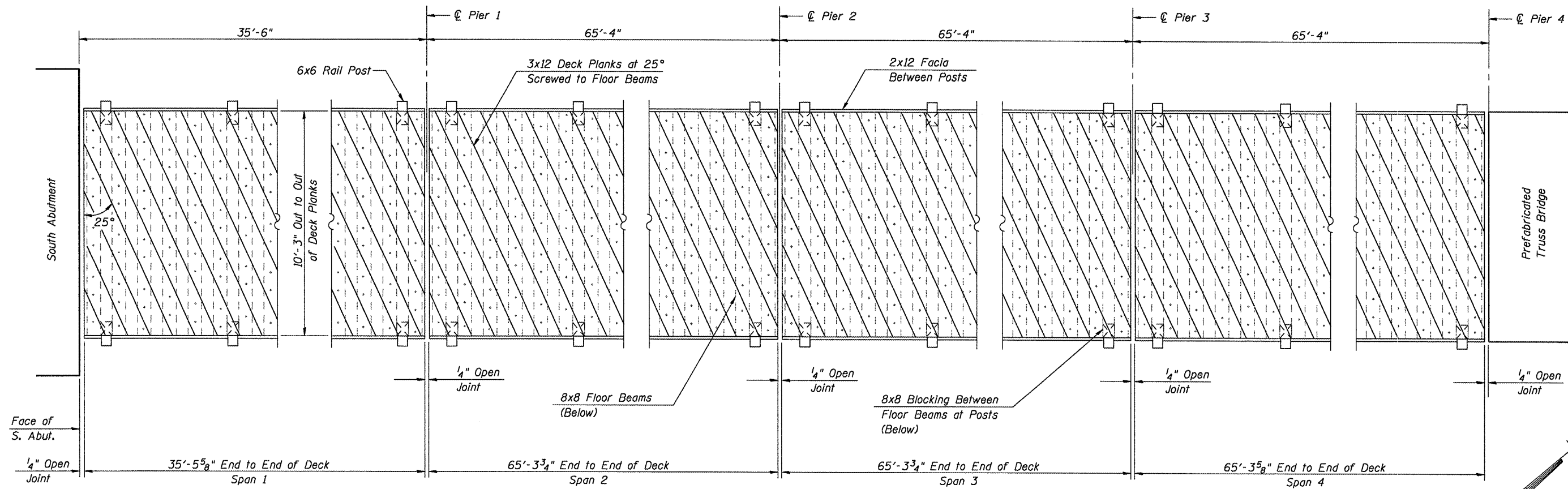


**PROPOSED CROSS SECTION
REHABILITATION OF EXISTING
RIVETED PLATE GIRDERS
SPANS 2-4**



**PROPOSED CROSS SECTION
PREFABRICATED TRUSS BRIDGE
FULL-THROUGH BOX SYSTEM**

**TYPICAL CROSS SECTIONS
SANGAMON VALLEY TRAIL
OVER OLD JACKSONVILLE ROAD
SVT BRIDGE NO. 12
STRUCTURE NO. 084-9912**

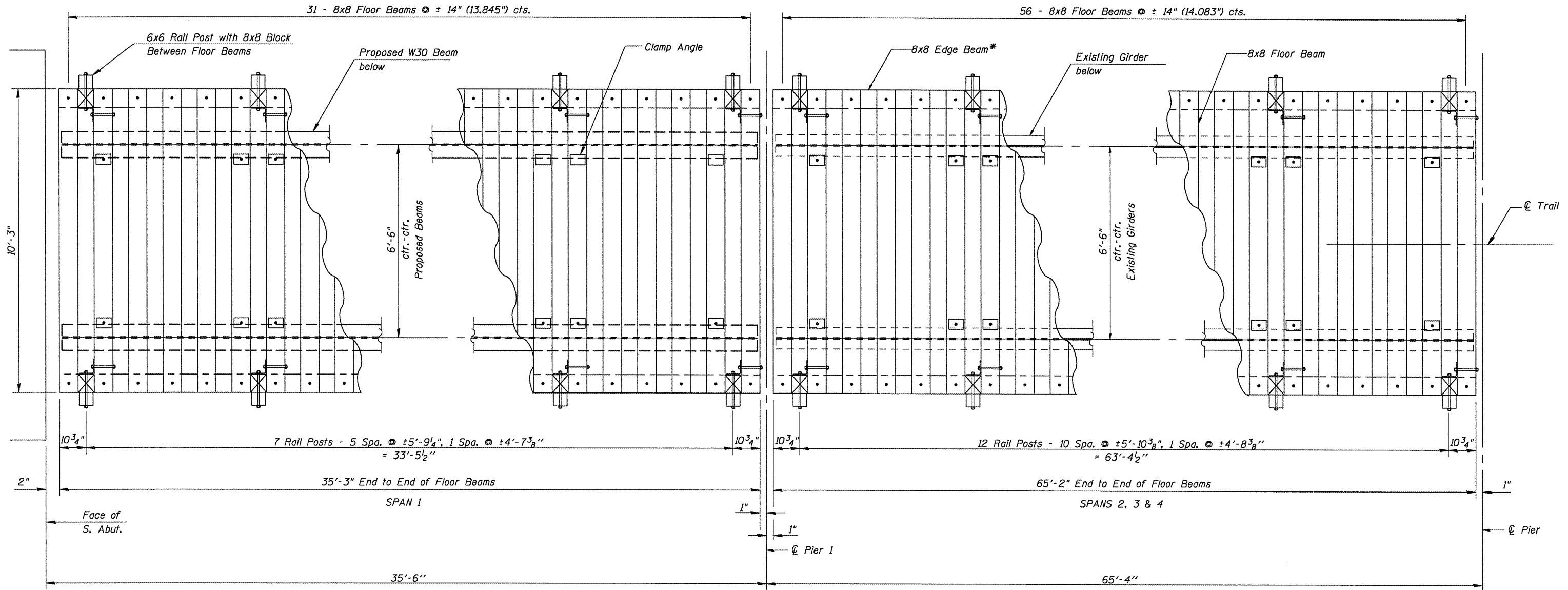


TIMBER DECK & RAILING DETAILS
SPANS 1-4
SANGAMON VALLEY TRAIL
OVER OLD JACKSONVILLE ROAD
SVT BRIDGE NO. 12
STRUCTURE NO. 084-9912

CEC Cummins Engineering Corporation Civil and Structural Engineering	JOB = 2192	DESIGNED	M.D.C.
	FILE = 2192oldjack_super	CHECKED	A.A.N.
	DATE = 6/8/2009	DRAWN	T.S.H.
		CHECKED	M.D.C.

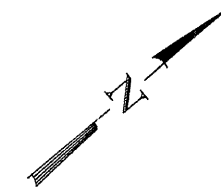
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	SANGAMON VALLEY TRAIL			CONTRACT NO.	
	FED. ROAD DIST. NO. 6 ILLINOIS			FED. AID PROJECT	

93522



TIMBER DECK FRAMING PLAN
(Deck Planks & Railing Not Shown)

*Provide 8x8 Edge Beam in minimum 10' lengths. Locate butt joints between floor beams. No butt joints allowed at rail posts.

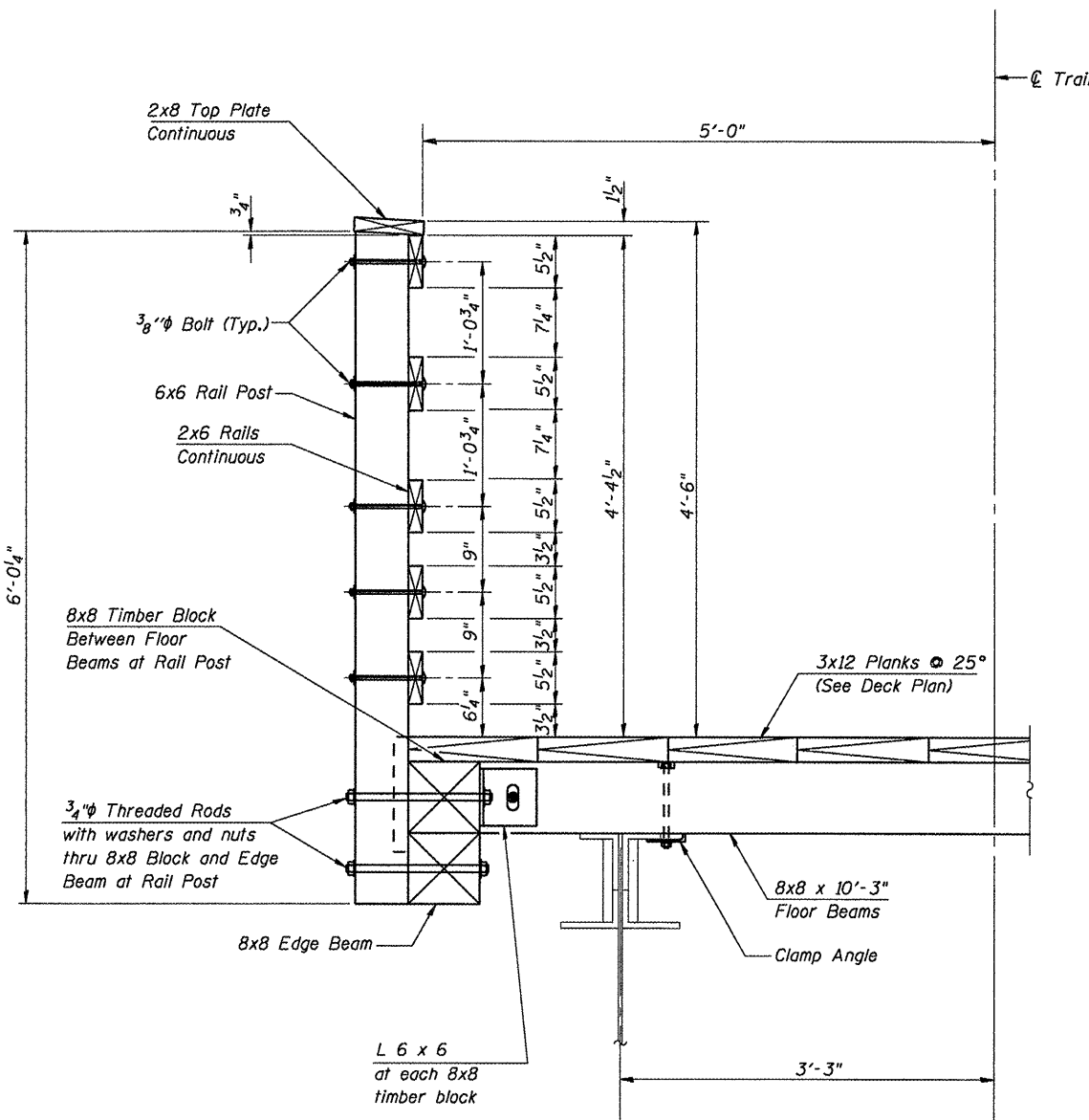


TIMBER FRAMING DETAILS
SPANS 1-4
SANGAMON VALLEY TRAIL
OVER OLD JACKSONVILLE ROAD
SVT BRIDGE NO. 12
STRUCTURE NO. 084-9912

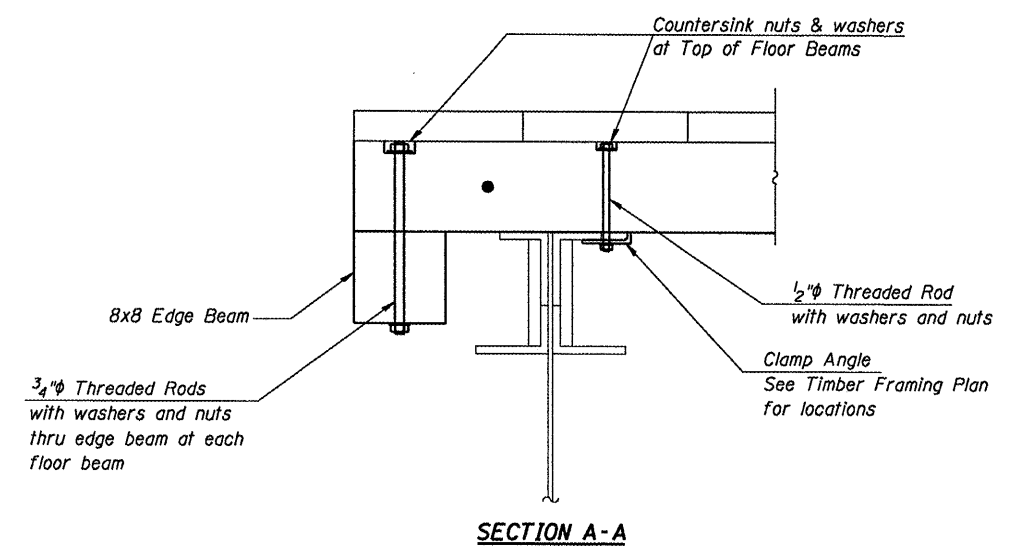
CEC Cummins Engineering Corporation
Civil and Structural Engineering

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DATE = 6/5/2009	DRAWN	T.S.H.
	CHECKED	M.D.C.

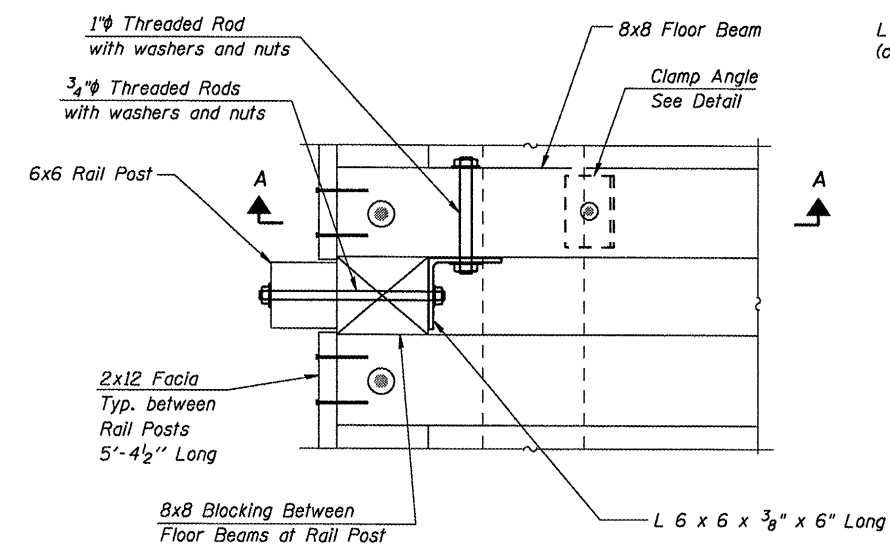
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	FED. ROAD DIST. NO. 6 ILLINOIS			FED. AID PROJECT	



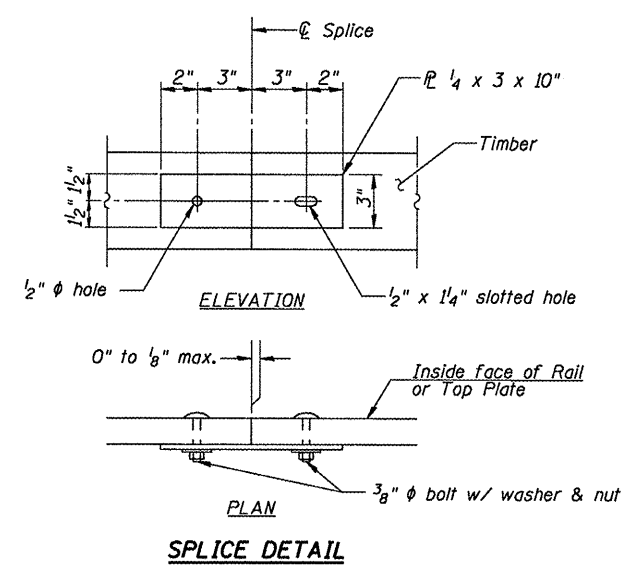
SECTION AT RAIL POST



SECTION A-A

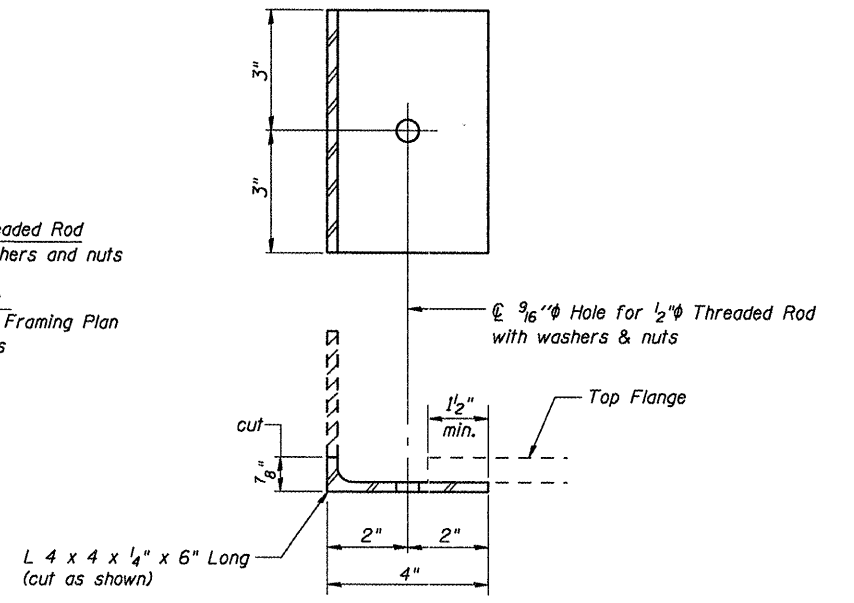


**PLAN AT RAIL POST
(Deck Planks Not Shown)**

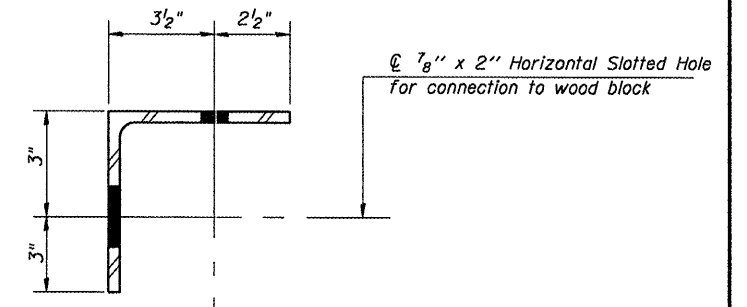


SPLICE DETAIL

Note: Minimize splices in rails and top plate. Where possible span 3 rail posts.



**CLAMP ANGLE
(32 Required)**



**L 6 x 6
TIMBER BLOCK ANGLE
(16 Required)**

* Weight of angles included in weight of Hardware.

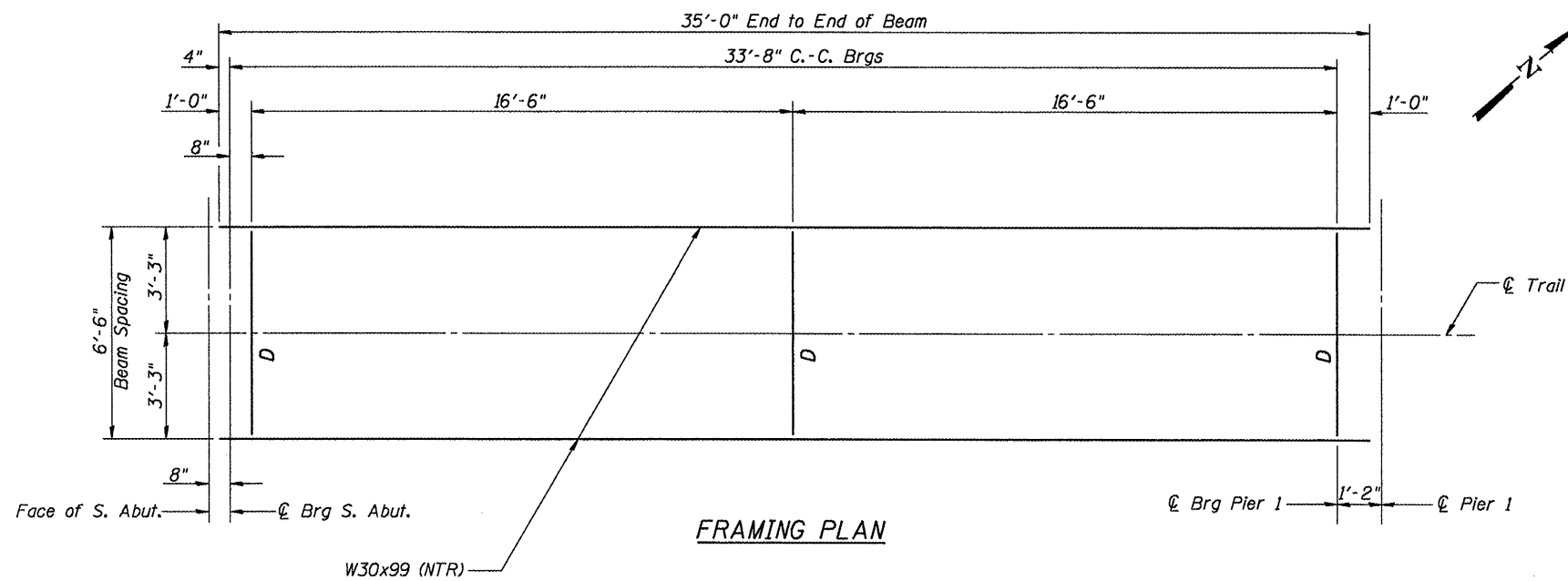
**TIMBER DETAILS
SPANS 1-4
SANGAMON VALLEY TRAIL
OVER OLD JACKSONVILLE ROAD
SVT BRIDGE NO. 12
STRUCTURE NO. 084-9912**

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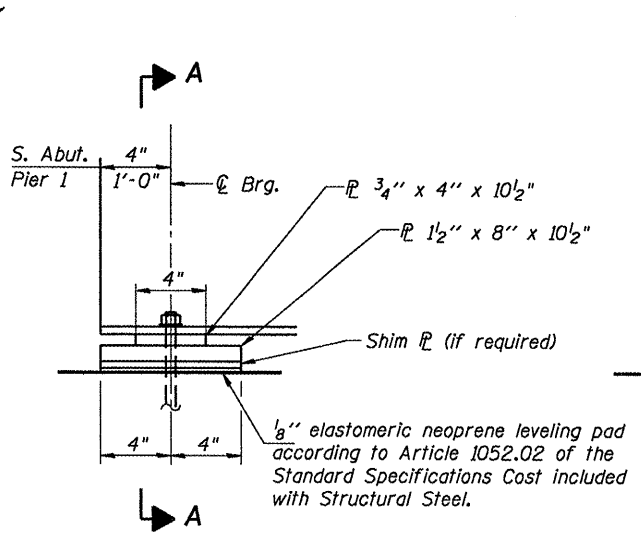
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DATE = 6/5/2009	DRAWN	T.S.H.
	CHECKED	M.D.C.

Sheet 6 of 12	RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	SVT	05-00173-00-BT	SANGAMON	173	81
	SANGAMON VALLEY TRAIL			CONTRACT NO.	
	FED. ROAD DIST. NO. 6 ILLINOIS FED. AID PROJECT				

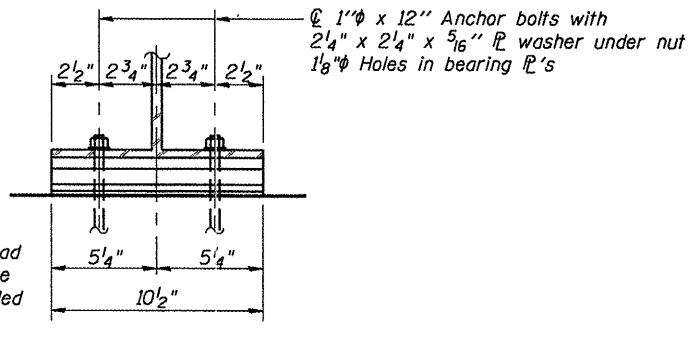
93522



FRAMING PLAN

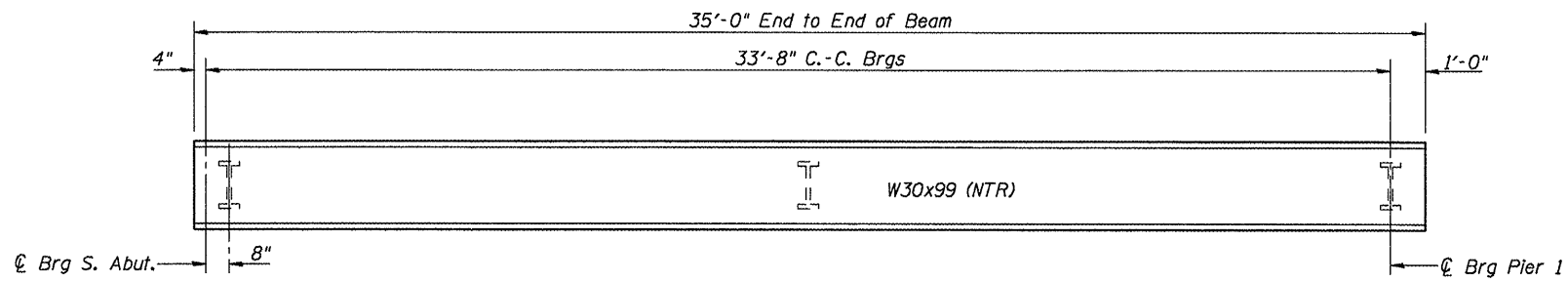


ELEVATION

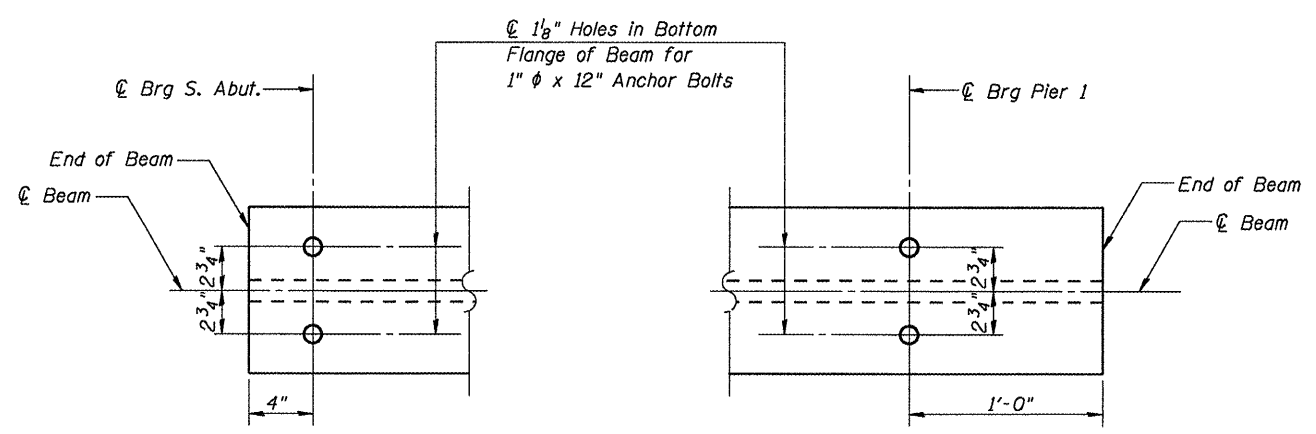


SECTION A-A

**BEARING DETAILS
AT SOUTH ABUTMENT & PIER 1**
(4 Required)



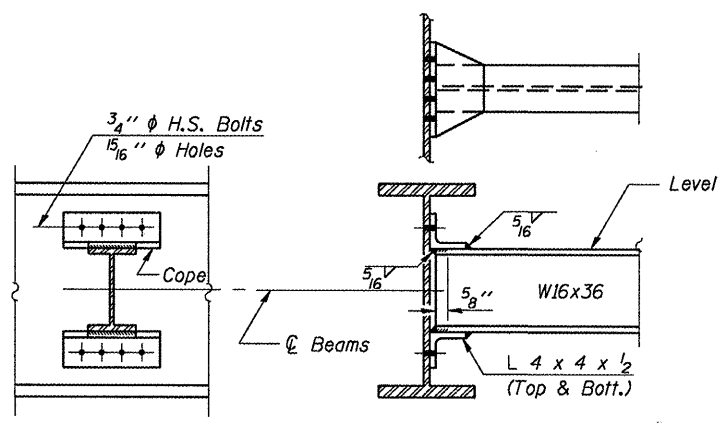
BEAM ELEVATION
(Looking West)



PLAN AT SOUTH ABUTMENT

PLAN AT PIER 1

END OF BEAM DETAILS



DIAPHRAGM D
(3 Required)

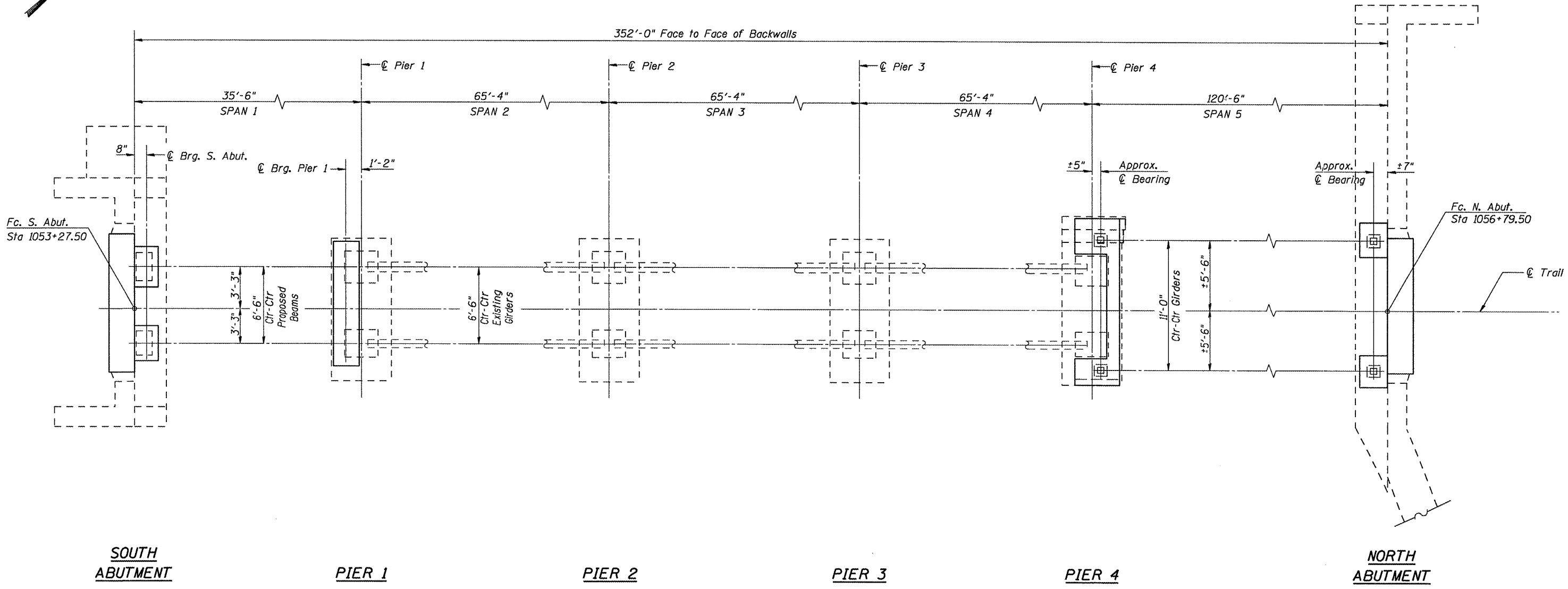
Notes:
 All steel for beams & diaphragms shall be AASHTO M270, Grade 50W.
 Two hardened washers shall be required over all 1 5/16" holes.
 "NTR" denotes members which shall conform to the Supplemental Requirements for Notch Toughness, Zone 2.
 Anchor bolts shall be set before bolting diaphragms.

STEEL FRAMING & DETAILS
SPAN 1
SANGAMON VALLEY TRAIL
OVER OLD JACKSONVILLE ROAD
SVT BRIDGE NO. 12
STRUCTURE NO. 084-9912



JOB = 2192	DESIGNED M.D.C.
FILE = 2192oldjack_steel	CHECKED A.A.N.
DATE = 3/11/2009	DRAWN T.S.H.
	CHECKED M.D.C.

Sheet 7 of 12	RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	SANGAMON VALLEY TRAIL			CONTRACT NO.	
	FED. ROAD DIST. NO. 6 ILLINOIS FED. AID PROJECT			93522	



SUBSTRUCTURE & BEARING LAYOUT

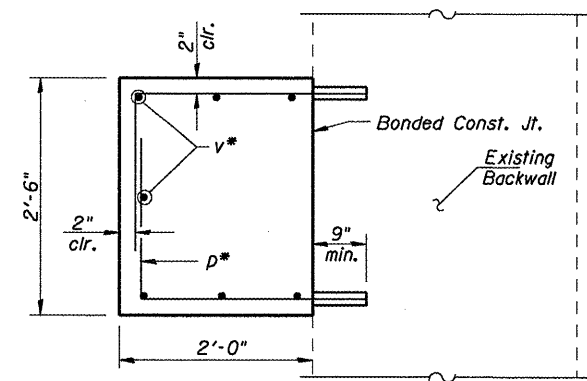
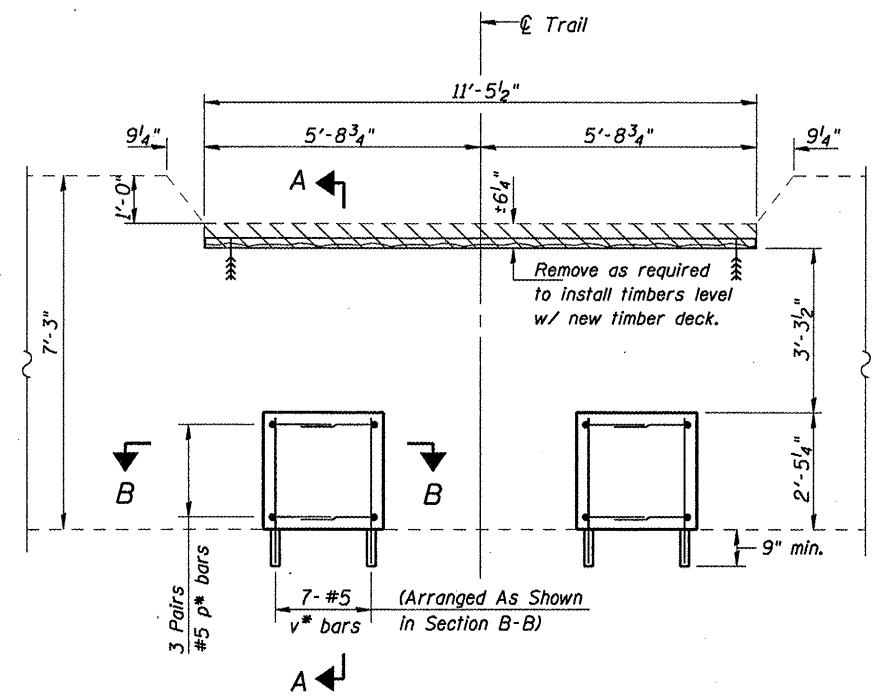
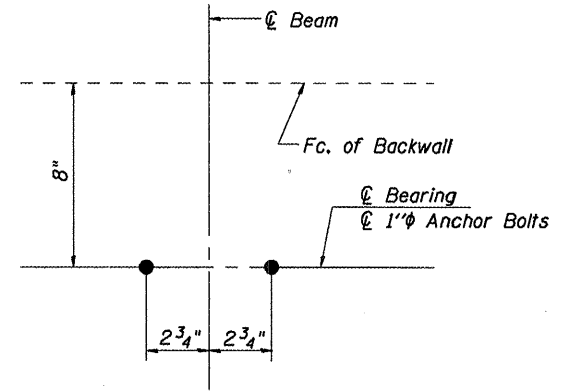
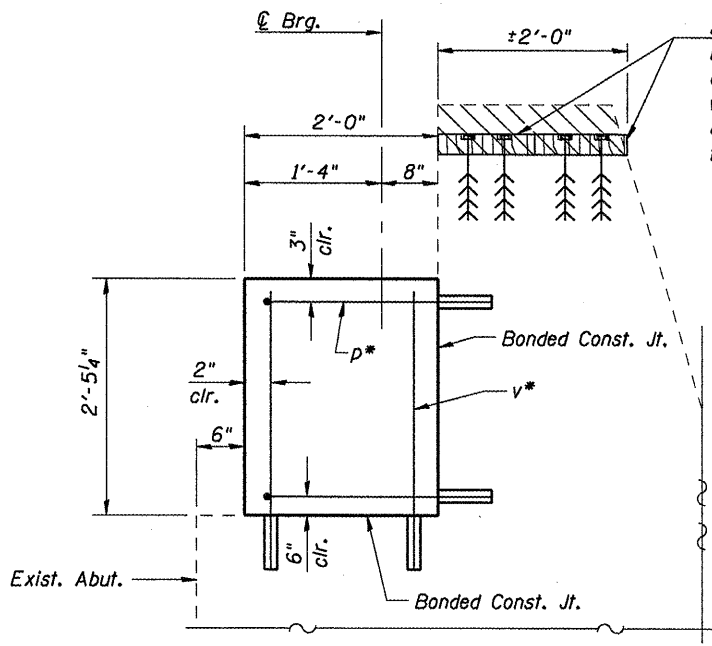
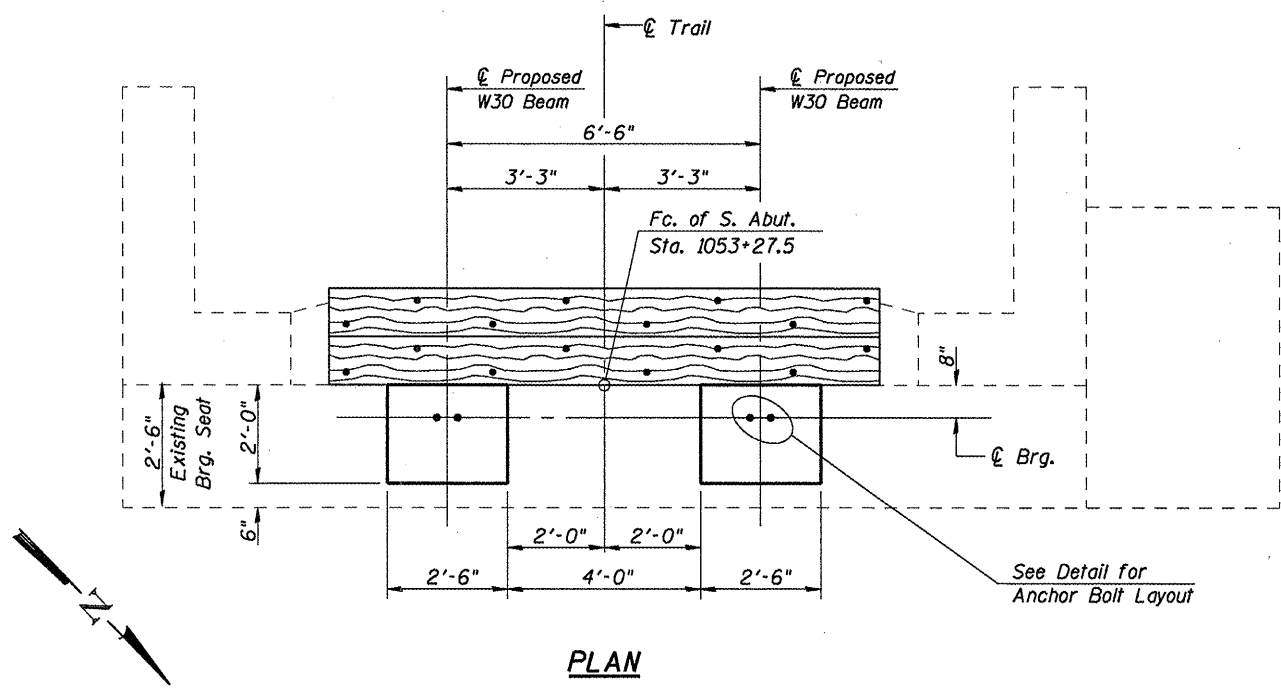
Note:
 Piers 5 & 6 are to be removed as per REMOVAL OF EXISTING SUBSTRUCTURE. See Special Provisions.

**SUBSTRUCTURE & BEARING LAYOUT
 SANGAMON VALLEY TRAIL
 OVER OLD JACKSONVILLE ROAD
 SVT BRIDGE NO. 12
 STRUCTURE NO. 084-9912**

CEC Cummins Engineering Corporation Civil and Structural Engineering	JOB = 2192	DESIGNED	M.D.C.
	FILE = 2192oldjack_sub	CHECKED	A.A.N.
	DATE = 6/8/2009	DRAWN	T.S.H.
		CHECKED	M.D.C.

Sheet 8 of 12	RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	SVT	05-00173-00-BT	SANGAMON	173	83
	SANGAMON VALLEY TRAIL		CONTRACT NO.		
	FED. ROAD DIST. NO. 6		ILLINOIS FED. AID PROJECT		

93522

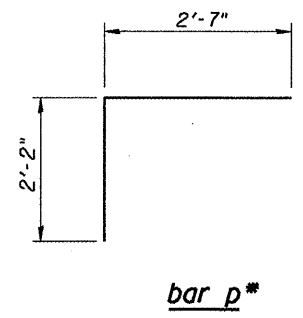


BILL OF MATERIAL - SOUTH ABUTMENT

Bar	No.	Size	Length	Shape
p*	12	#5	4'-9"	┌
v*	14	#5	3'-0"	—
Concrete Removal			Cu. Yd.	0.4
Concrete Structures			Cu. Yd.	0.9
Reinforcement Bars, Epoxy Coated			Pound	110
Treated Timber			F.B.M.	70
Hardware			Pound	40
Concrete Sealer			Sq. Ft.	42

Note:
 Hatched areas indicate limits of Concrete Removal.
 All bars designated with an asterisk (ie.: v*) shall be epoxy grouted in accordance with Section 584 of the Standard Specifications. Minimum embedment = 9".
 All reinforcement bars shall be epoxy coated.

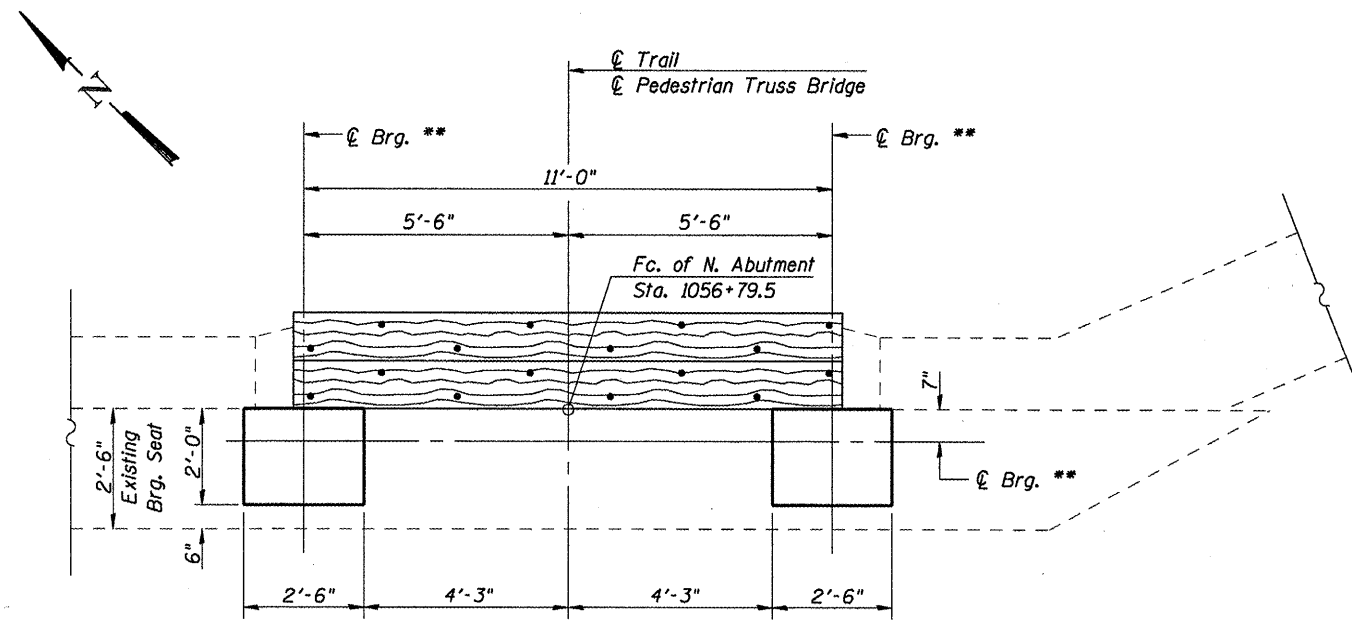
**SOUTH ABUTMENT DETAILS
 SANGAMON VALLEY TRAIL
 OVER OLD JACKSONVILLE ROAD
 SVT BRIDGE NO. 12
 STRUCTURE NO. 084-9912**



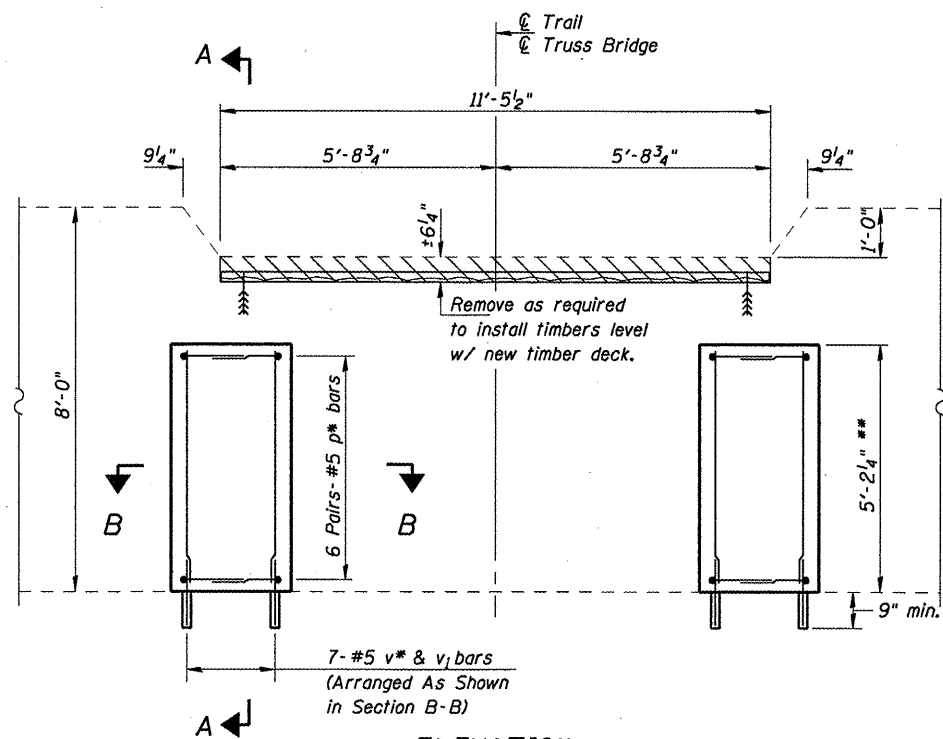
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		CHECKED	M.D.C.

Sheet 9 of 12	RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	SANGAMON VALLEY TRAIL			CONTRACT NO.	
FED. ROAD DIST. NO. 6 ILLINOIS FED. AID PROJECT					

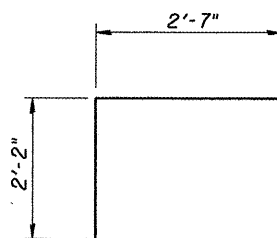
93522



PLAN

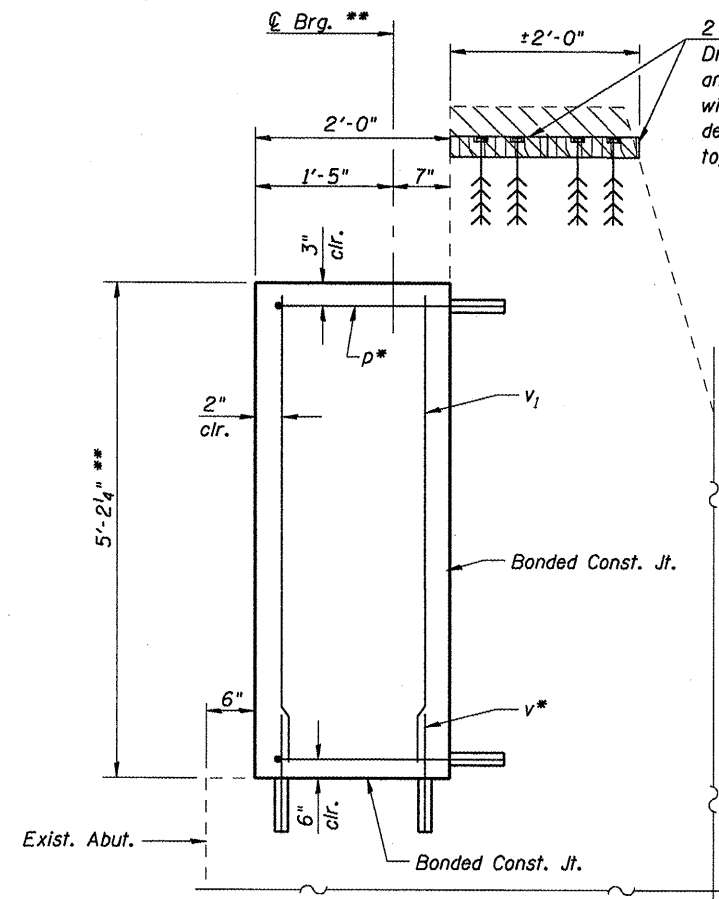


ELEVATION
(Looking North)

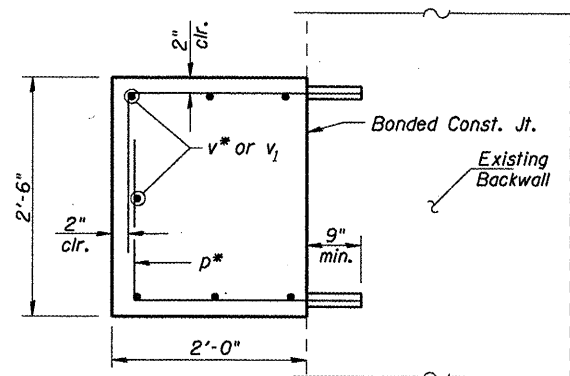


bar p*

** Contractor shall verify the bearing locations and bearing seat elevations with the Approved Pedestrian Truss Shop Drawings prior to ordering any materials.



SECTION A-A



SECTION B-B

2 - 3x12 Timber Deck Planks x 11'-5" Long
Drill and Grout 3/4" threaded rods with washer and nut @ 1'-6" alt. cts. Install timbers level with the proposed deck. Countersink holes in deck planks and grind end of rod smooth with top of nut.

BILL OF MATERIAL - NORTH ABUTMENT

Bar	No.	Size	Length	Shape
p*	24	#5	4'-9"	└
v*	14	#5	3'-0"	—
v1	14	#5	4'-11"	—
Concrete Removal			Cu. Yd.	0.4
Concrete Structures			Cu. Yd.	2.0
Reinforcement Bars, Epoxy Coated			Pound	240
Treated Timber			F.B.M.	70
Hardware			Pound	40
Concrete Sealer			Sq. Ft.	78

Note:
Hatched areas indicate limits of Concrete Removal.
All bars designated with an asterisk (ie.: v*) shall be epoxy grouted in accordance with Section 584 of the Standard Specifications. Minimum embedment = 9".
All reinforcement bars shall be epoxy coated.

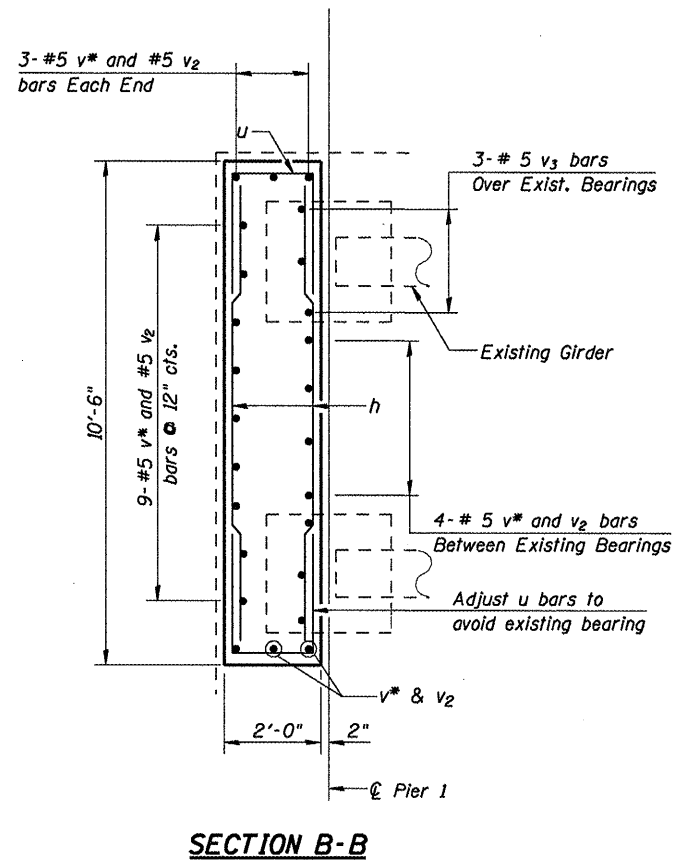
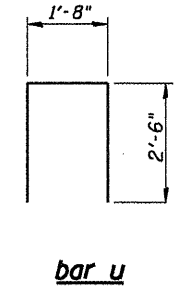
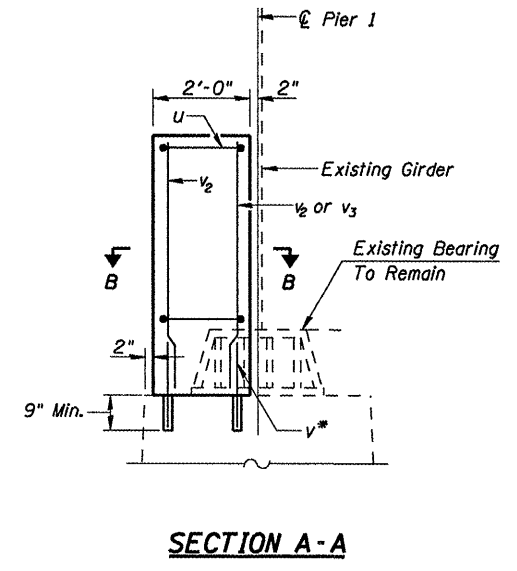
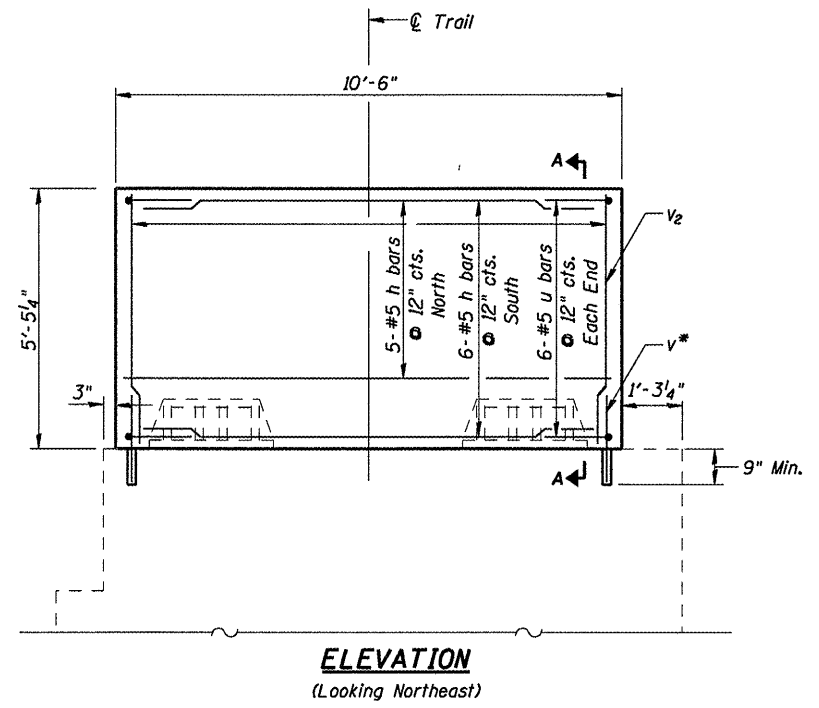
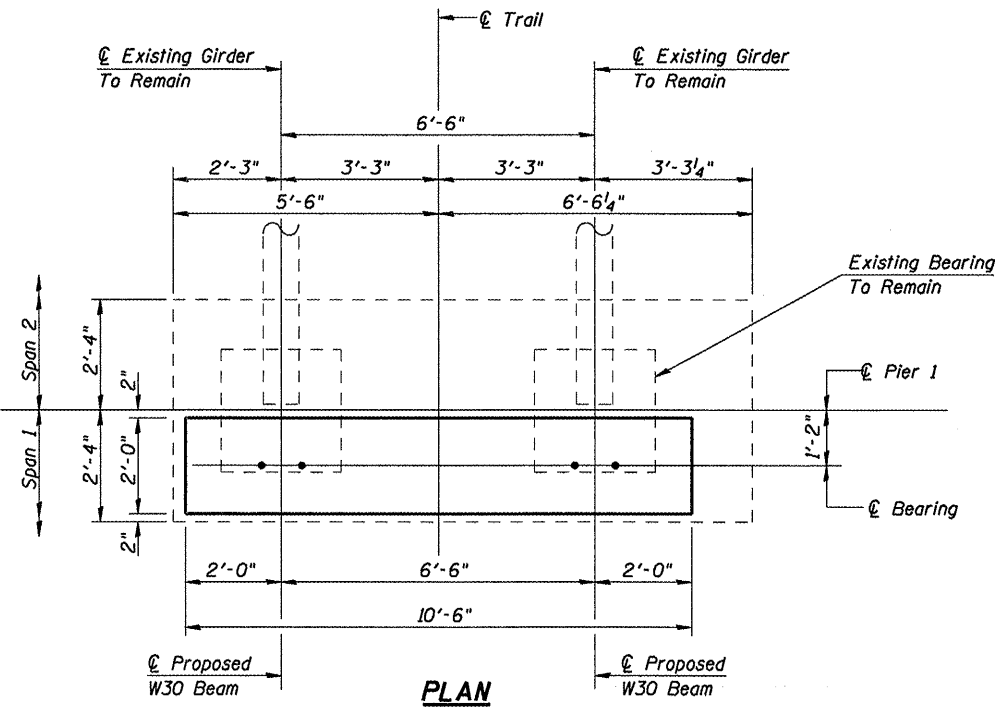
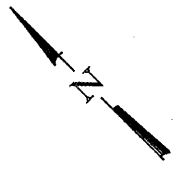
NORTH ABUTMENT DETAILS
SANGAMON VALLEY TRAIL
OVER OLD JACKSONVILLE ROAD
SVT BRIDGE NO. 12
STRUCTURE NO. 084-9912

CEC Cummins Engineering Corporation
Civil and Structural Engineering

JOB = 2192	DESIGNED	M.D.C.
FILE = 2192oldjack_sub	CHECKED	A.A.N.
DATE = 1/8/2010	DRAWN	T.S.H.
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Sheet 10 of 12	RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	SVT	05-00173-00-BT	SANGAMON	173	85
	SANGAMON VALLEY TRAIL			CONTRACT NO.	
FED. ROAD DIST. NO. 6 ILLINOIS FED. AID PROJECT					

08522

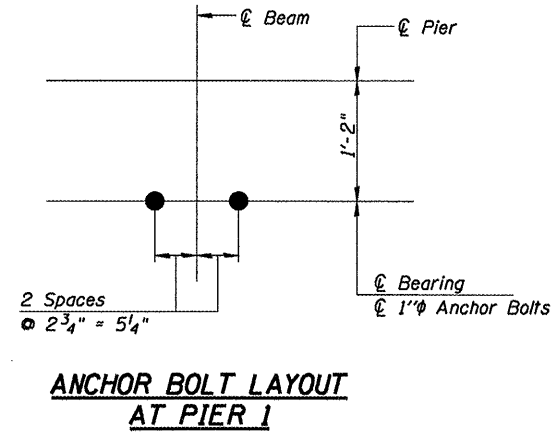


BILL OF MATERIAL - PIER 1

Bar	No.	Size	Length	Shape
h	11	#5	10'-0"	—
u	12	#5	6'-8"	□
v*	19	#5	3'-0"	—
v ₂	19	#5	5'-1"	—
v ₃	6	#5	4'-0"	—
Concrete Structures			Cu. Yd.	4.2
Reinforcement Bars, Epoxy Coated			Pound	390
Concrete Sealer			Sq. Ft.	157

Note:
 Hatched areas indicate limits of Concrete Removal.
 All bars designated with an asterisk (i.e.: v*) shall be epoxy grouted in accordance with Section 584 of the Standard Specifications. Minimum embedment = 9".
 All reinforcement bars shall be epoxy coated.

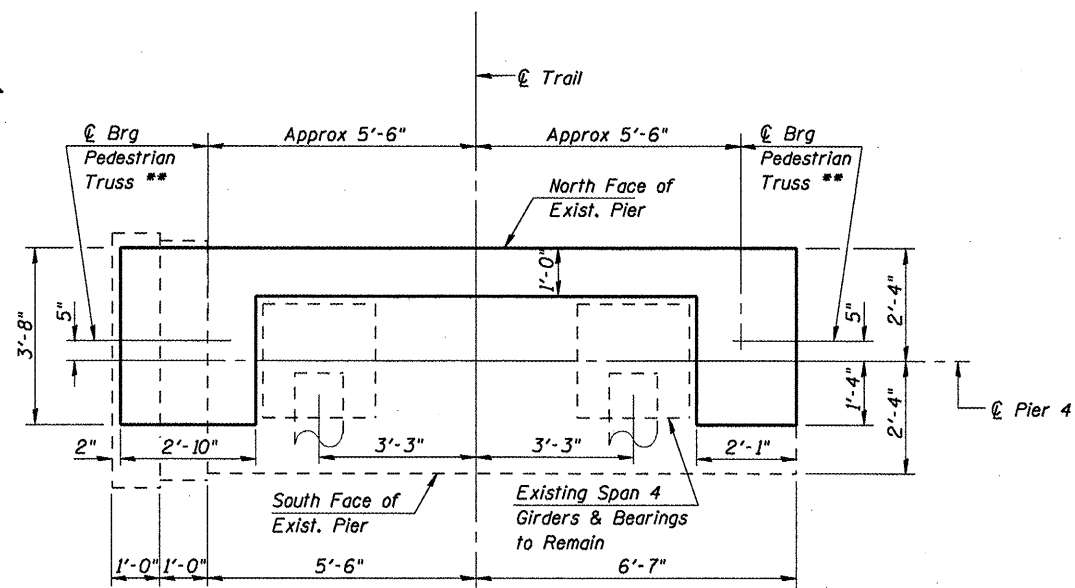
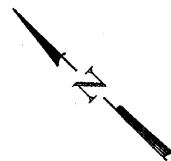
PIER 1 DETAILS
SANGAMON VALLEY TRAIL
OVER OLD JACKSONVILLE ROAD
SVT BRIDGE NO. 12
STRUCTURE NO. 084-9912



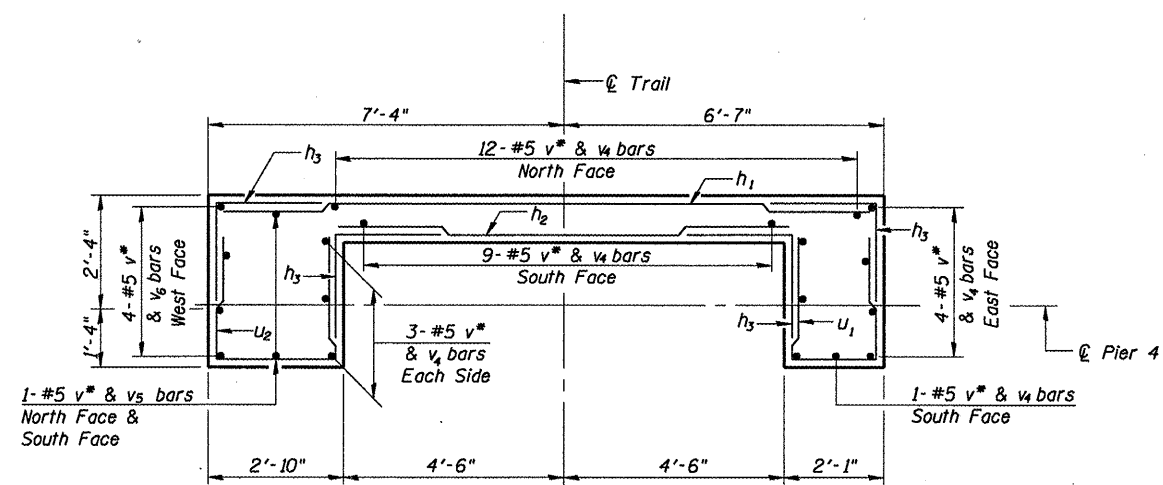
CEC Cummins Engineering Corporation Civil and Structural Engineering	JOB = 2192	DESIGNED	M.D.C.
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	DATE = 1/8/2010	DRAWN	T.S.H.
		CHECKED	M.D.C.

Sheet 11 of 12	RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	SANGAMON VALLEY TRAIL			CONTRACT NO.	
FED. ROAD DIST. NO. 6 ILLINOIS FED. AID PROJECT					

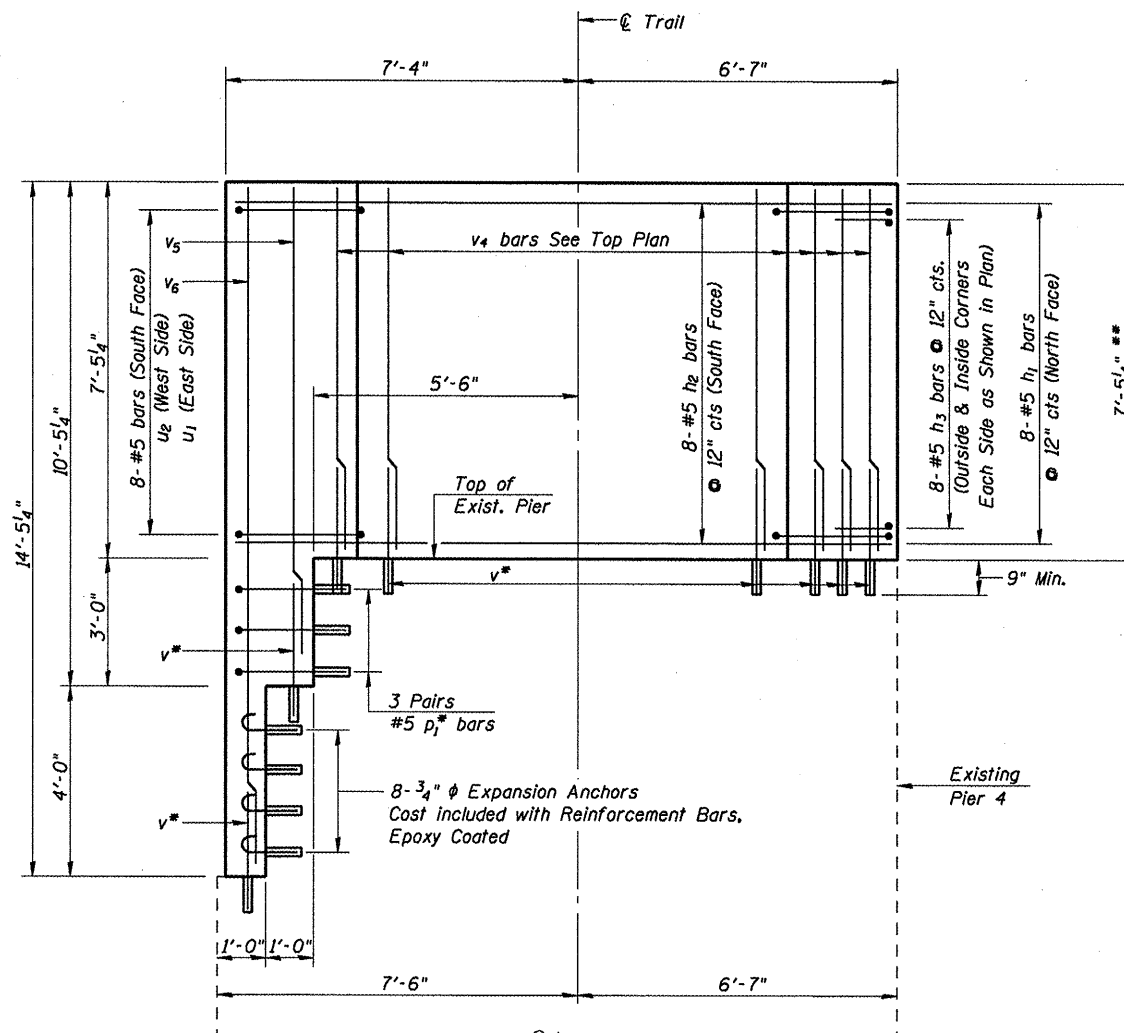
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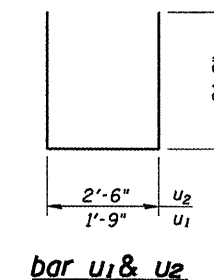
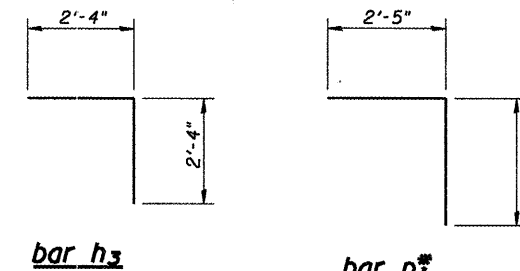
**PLAN
AT TOP OF EXISTING PIER**
(Showing Dimensions)



**PLAN
AT TOP OF PROPOSED PIER**
(Showing Reinforcement)



ELEVATION
(Looking Northeast)



BILL OF MATERIAL - PIER 4

Bar	No.	Size	Length	Shape
h ₁	8	#5	13'-5"	—
h ₂	8	#5	8'-8"	—
h ₃	32	#5	4'-8"	┌
p ₁	6	#5	5'-1"	┌
u ₁	8	#5	7'-1"	U
u ₂	8	#5	7'-10"	U
v*	38	#5	3'-0"	—
v ₄	32	#5	7'-1"	—
v ₅	2	#5	10'-1"	—
v ₆	4	#5	14'-1"	—
		Concrete Structures	Cu. Yd.	8.6
		Reinforcement Bars, Epoxy Coated	Pound	940
		Concrete Sealer	Sq. Ft.	372

Note:

Hatched areas indicate limits of Concrete Removal.
All bars designated with an asterisk (i.e., v*) shall be epoxy grouted in accordance with Section 584 of the Standard Specifications. Minimum embedment = 9".
All reinforcement bars shall be epoxy coated.

**PIER 4 DETAILS
SANGAMON VALLEY TRAIL
OVER OLD JACKSONVILLE ROAD
SVT BRIDGE NO. 12
STRUCTURE NO. 084-9912**

** Contractor shall verify the bearing locations and bearing seat elevations with the Approved Pedestrian Truss Shop Drawings prior to ordering any materials.

CEC Cummins Engineering Corporation Civil and Structural Engineering	JOB = 2192	DESIGNED	M.D.C.
	FILE = 2192oldjack_sub	CHECKED	A.A.N.
	DATE = 1/8/2010	DRAWN	T.S.H.
		CHECKED	M.D.C.

Sheet 12 of 12	RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	SVT	05-00173-00-BT	SANGAMON	173	87
	SANGAMON VALLEY TRAIL		CONTRACT NO.		
FED. ROAD DIST. NO. 6 ILLINOIS FED. AID PROJECT					

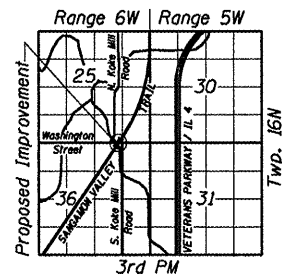
93522

B.M. #19 Chiseled Square on top of Southwest Wingwall of RR Bridge No. 1865, Station 1122+69.8, 7.9' Lt., Elev. 580.76

Existing Structure: SN 084-9924, originally built in 1924 as C&NW Railway Bridge No. 1865 over Washington Street. The existing structure is a 3-span riveted deck plate girder bridge with precast concrete units on spread footing concrete piers and pile supported abutments. The structure is 196'-4" fc.-to-fc of abutment backwalls with a 14'-0" o.-o. of deck width. The existing structure will be rehabilitated to carry pedestrian traffic.

The Contractor will remove the existing precast concrete units, modify the existing abutments, construct a new timber deck and railing, and install fencing.

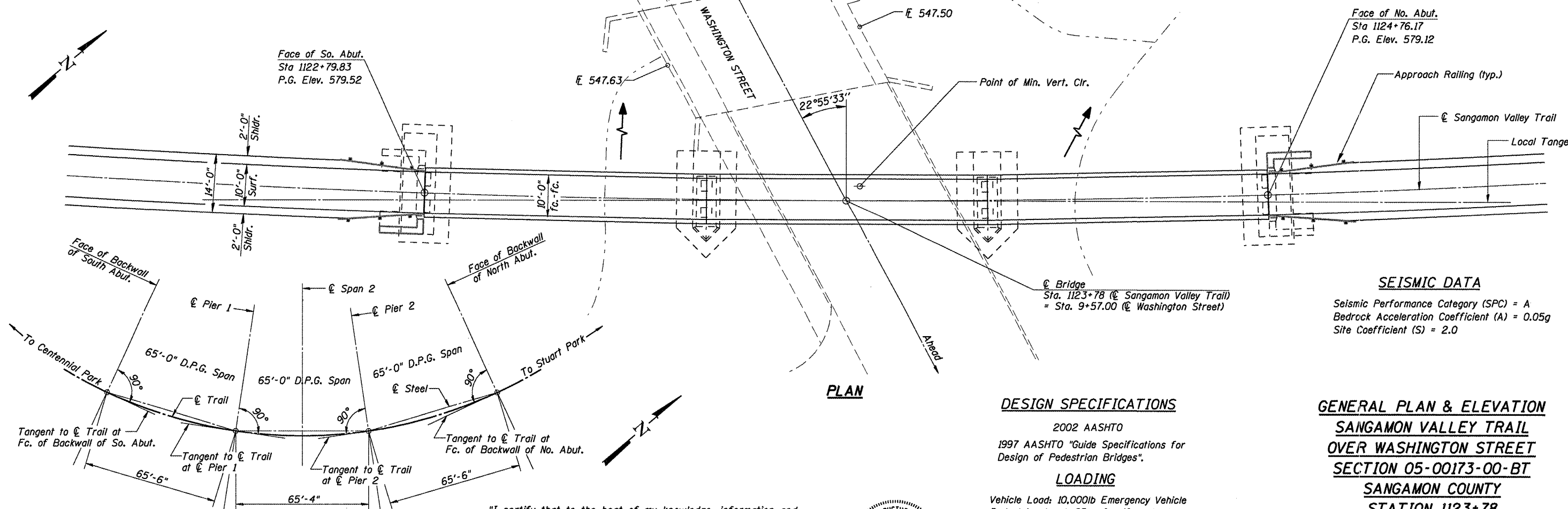
No Salvage.



LOCATION SKETCH

Removal of Existing Precast Concrete Units

Face of So. Abut.
Sta 1122+79.83
P.G. Elev. 579.52

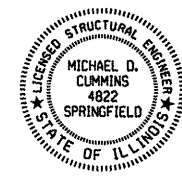


LAYOUT SKETCH

Diagram showing substructure in relation to $\text{\textcircled{C}}$ Trail

"I certify that to the best of my knowledge, information and belief, this bridge design is structurally adequate for the design loading shown on the plans. The design is an economical one for the style of structure and complies with requirements of the current 'AASHTO Guide Specifications for Design of Pedestrian Bridges'."

Michael D. Cummins 6/9/09
ILLINOIS STRUCTURAL NO. 4822 (Expires 11/30/10)



DESIGN SPECIFICATIONS

2002 AASHTO
1997 AASHTO "Guide Specifications for Design of Pedestrian Bridges".

LOADING

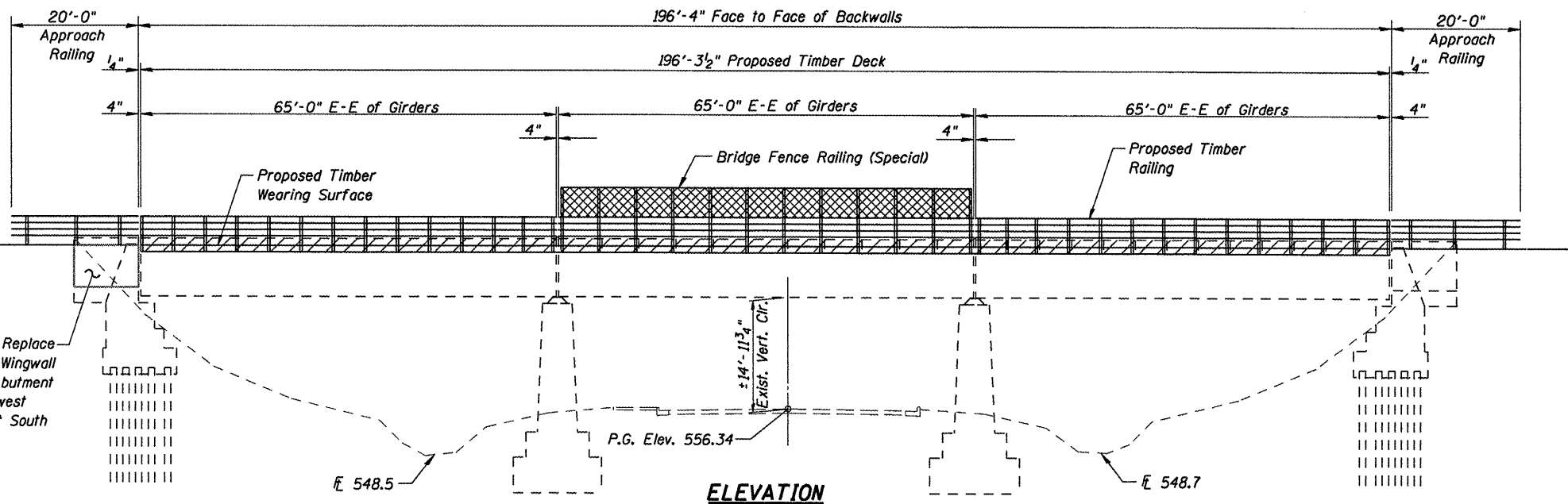
Vehicle Load: 10,000lb Emergency Vehicle
Pedestrian Load: 85 psf uniform load

DESIGN STRESSES

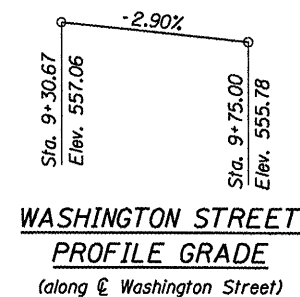
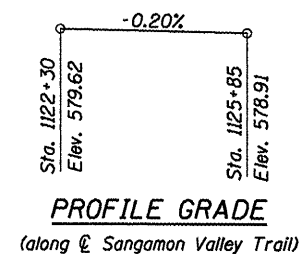
f'_c = 3,500 psi (Substructure)
 f_y = 60,000 psi (Reinforcement)
 f_b = 1,500 psi (Timber)
 f_b = 1,850 psi (Timber Planking)

GENERAL PLAN & ELEVATION

**SANGAMON VALLEY TRAIL
OVER WASHINGTON STREET
SECTION 05-00173-00-BT
SANGAMON COUNTY
STATION 1123+78
SVT BRIDGE NO. 13
STRUCTURE NO. 084-9924**



ELEVATION



SEISMIC DATA

Seismic Performance Category (SPC) = A
Bedrock Acceleration Coefficient (A) = 0.05g
Site Coefficient (S) = 2.0

Sheet	RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1 of 6	SVT	05-00173-00-BT	SANGAMON	173	88
SANGAMON VALLEY TRAIL			CONTRACT NO.		
FED. ROAD DIST. NO. 6 ILLINOIS			FED. AID PROJECT		

93522



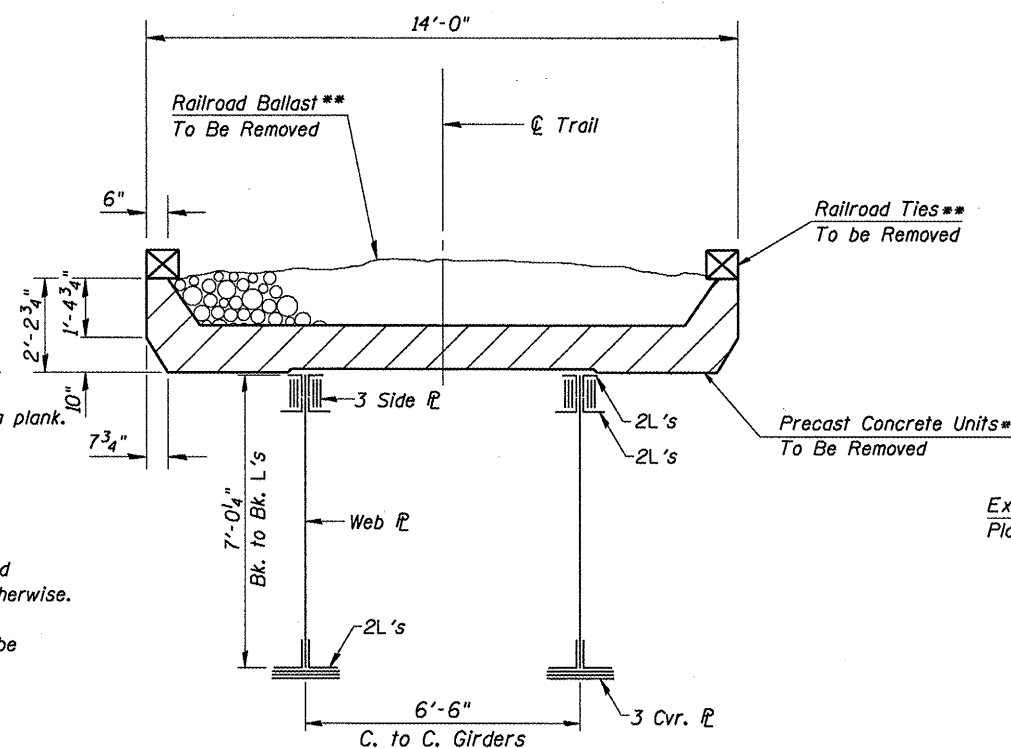
JOB = 2192	DESIGNED	M.D.C.
FILE = 2192wash_gpe	CHECKED	A.A.N.
DATE = 6/8/2009	DRAWN	T.S.H.
	CHECKED	M.D.C.

GENERAL NOTES

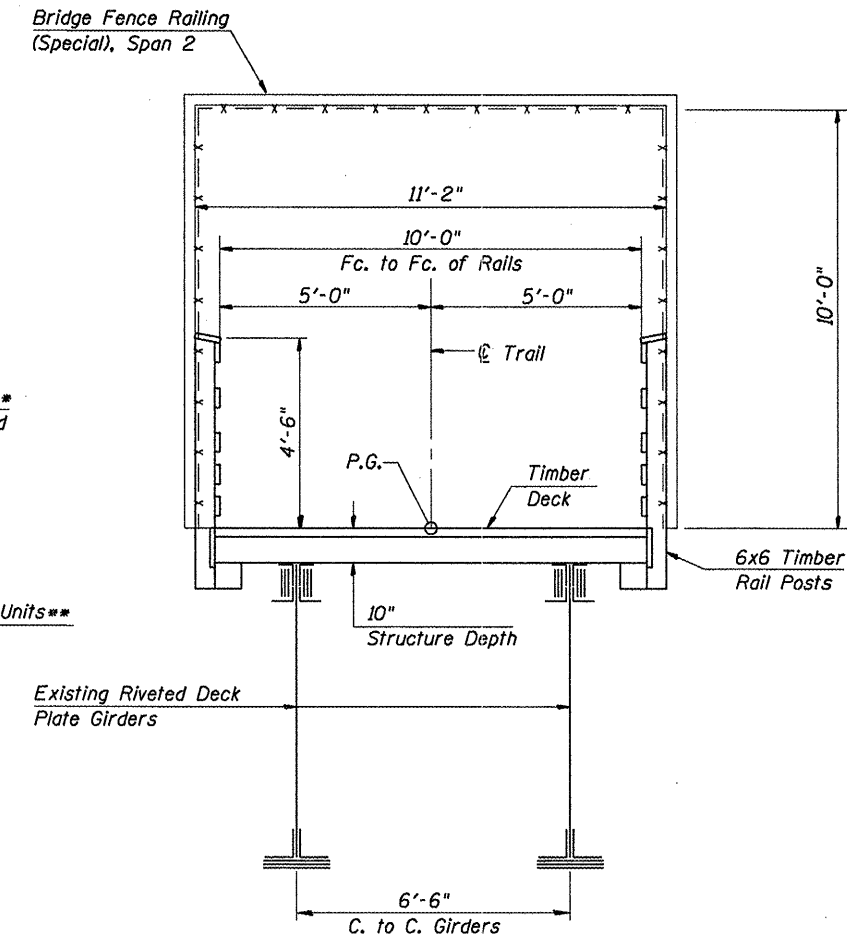
- Fasteners shall be AASHTO M164 Type 3. Bolts 3/4" ϕ , holes 15/16" ϕ , unless otherwise noted.
- No field welding is permitted except as specified in the contract documents.
- All Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60. See Special Provisions.
- Reinforcement bars shall be epoxy coated.
- Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope or work, however, the Contractor will be paid for the quantity actually furnished at the unit bid price for work.
- The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.
- Unless noted otherwise, exposed concrete edges shall have a 3/4" chamfer.
- The Contractor shall provide and install all necessary timber shims to construct a level deck surface.
- Timber deck planks shall be placed with the grain such that cupping will not cause water to sit on a plank.
- The Contractor shall field verify all conditions at the site prior to the start of construction.
- All structural timber shall be treated to conform to Section 507 of the Standard Specifications.
- All hardware required for timber construction, including nuts, washers, lag screws, threaded rods and miscellaneous fasteners shall conform to Section 507 of the Standard Specifications unless noted otherwise.
- The Contractor shall remove the existing debris from all piers and abutments. The cost of this work shall be included in the cost for "Removal of Existing Precast Concrete Units".
- It shall be the responsibility of the Contractor to verify all dimensions and elevations of the existing structure in the field prior to construction and ordering materials. Do not scale dimensions from the drawings for construction purposes.
- If, during the performance of the work, the Contractor finds a conflict or discrepancy related to existing details and dimensions of the existing structure, the Contractor shall report such discrepancies to the Engineer in writing at once and before proceeding with the work affected thereby. The Contractor shall obtain written interpretation or clarification of such discrepancies.
- Removal of the existing Precast Concrete Units and Ballast shall not be conducted over traffic. See Special Provisions for Traffic Control.
- All lumber dimensions given are nominal dimensions. The minimum surfaced areas of timbers shall be as follows:

NOMINAL SIZE	DRESSED
2 x 6	1 1/2" x 5 1/2"
2 x 8	1 1/2" x 7 1/4"
2 x 12	1 1/2" x 11 1/4"
3 x 12	2 1/2" x 11 1/4"
6 x 6	5 1/2" x 5 1/2"
8 x 8	7 1/2" x 7 1/2"

** Cost included in the cost for Removal of Existing Precast Concrete Units.



**EXISTING CROSS SECTION
65' RIVETED DECK GIRDER
(SPANS 1-3 - GIRDERS TO REMAIN)**



**PROPOSED CROSS SECTION
REHABILITATION OF EXISTING RIVETED PLATE GIRDERS**

TOTAL BILL OF MATERIAL

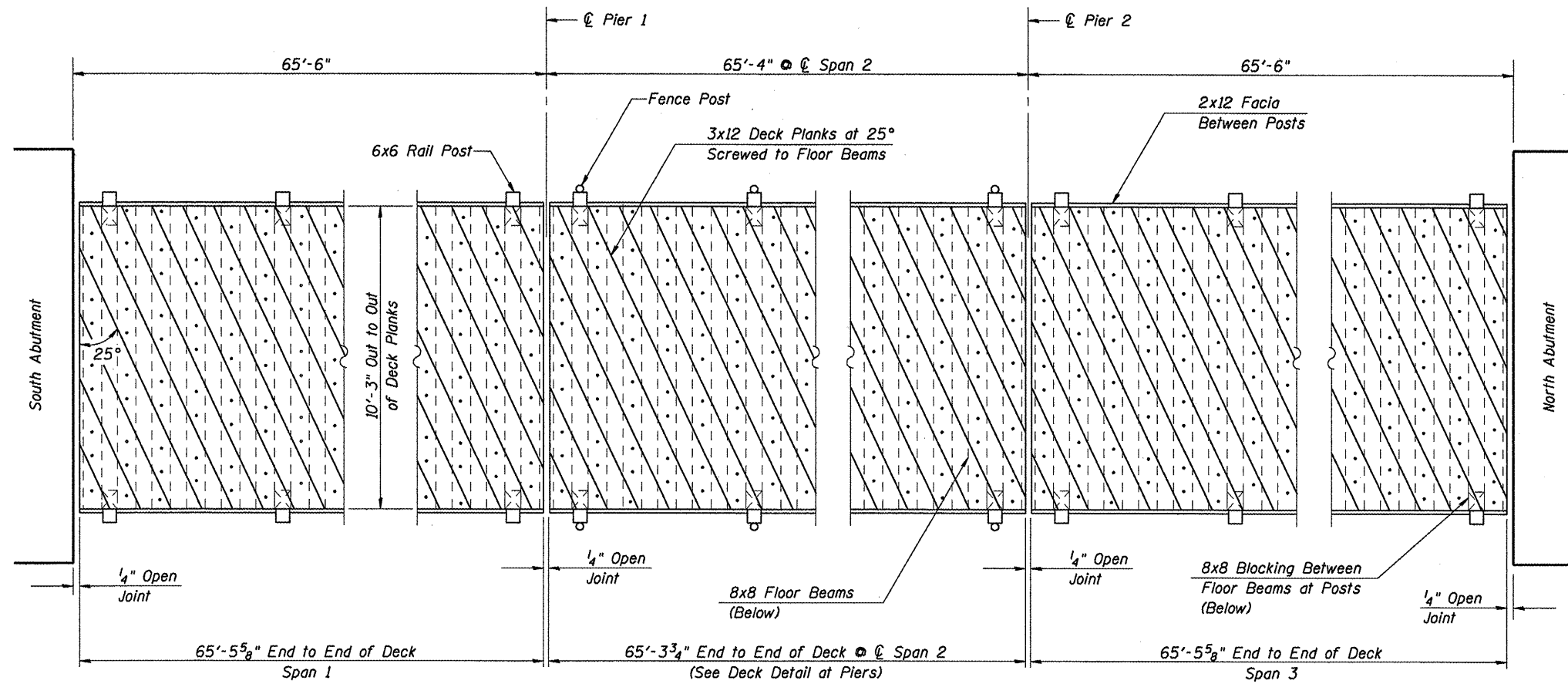
ITEM	UNIT	SUPER	SUB	TOTAL
Treated Timber	F.B.M.	23,041	140	23,181
Hardware	Pound	4,145	80	4,225
Concrete Structures	Cu. Yd.		9.0	9.0
Concrete Removal	Cu. Yd.		19.0	19.0
* Reinforcement Bars, Epoxy Coated	Pound		790	790
* Removal of Existing Precast Concrete Units.	Sq. Ft.	2,749		2,749
Bridge Fence Railing (Special)	Sq. Ft.	1,982		1,982
Structure Excavation	Cu. Yd.		32	32

* See Special Provisions

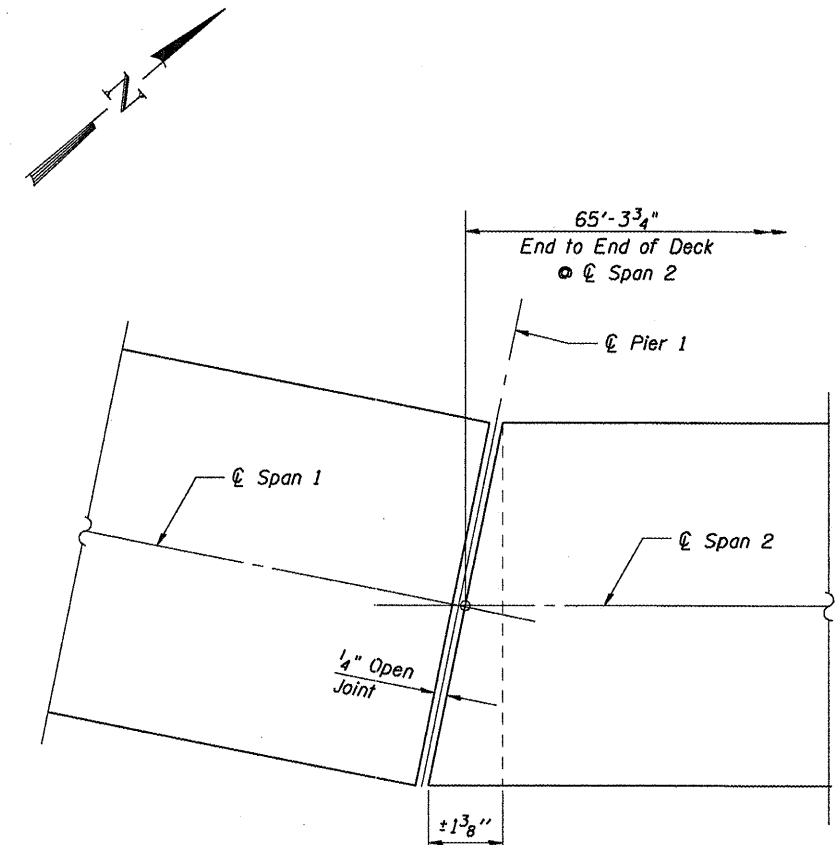
INDEX OF SHEETS

- General Plan & Elevation
- General Notes, Total Bill of Material, Typical Cross Sections
- Timber Deck & Railing Details Spans 1-3
- Timber Framing Details Spans 1-3
- Timber Details
- Abutment Details

**GENERAL NOTES, TOTAL BILL OF MATERIAL
& TYPICAL CROSS SECTIONS
SANGAMON VALLEY TRAIL
OVER WASHINGTON STREET
SVT BRIDGE NO. 13
STRUCTURE NO. 084-9924**

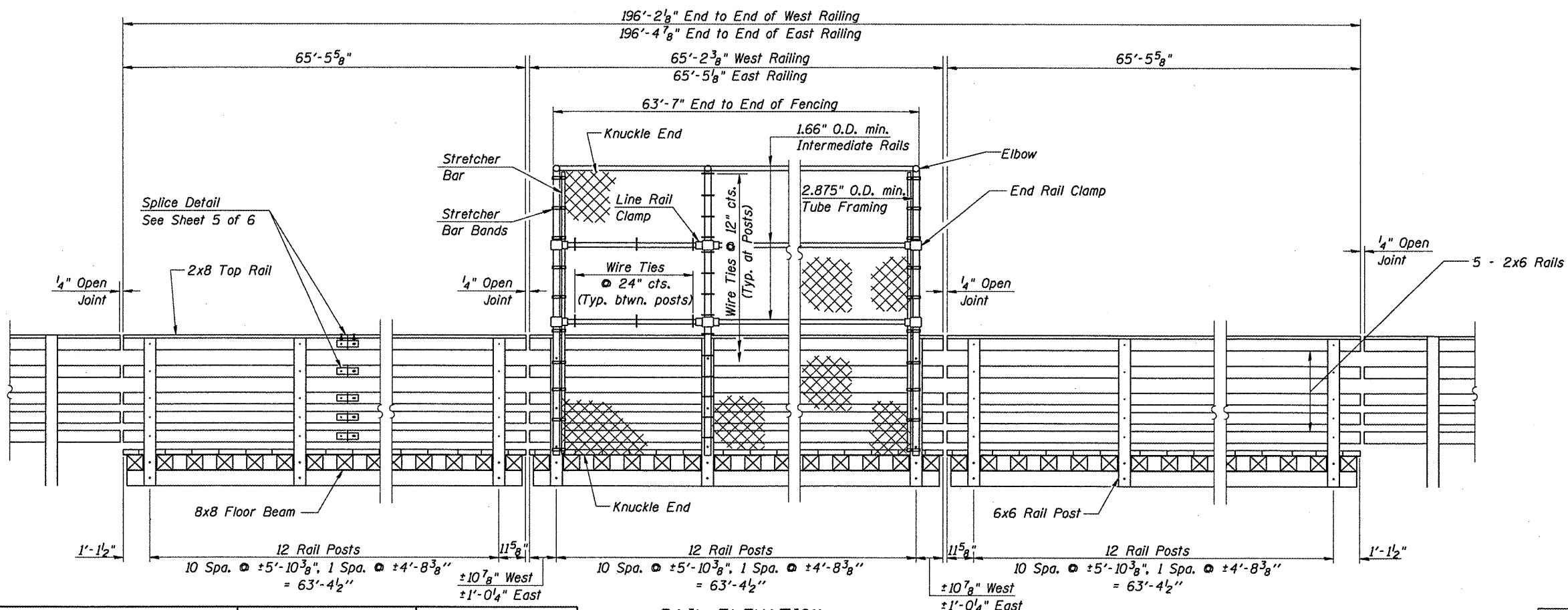


DECK PLAN
(Railing Not Shown)



DECK DETAIL AT PIERS
(Pier 1 shown - Pier 2 similar)

Note: Due to 1° Curve - Adjust end of Deck to maintain 1/4" open joint @ Piers



RAIL ELEVATION
(Facia Not Shown)

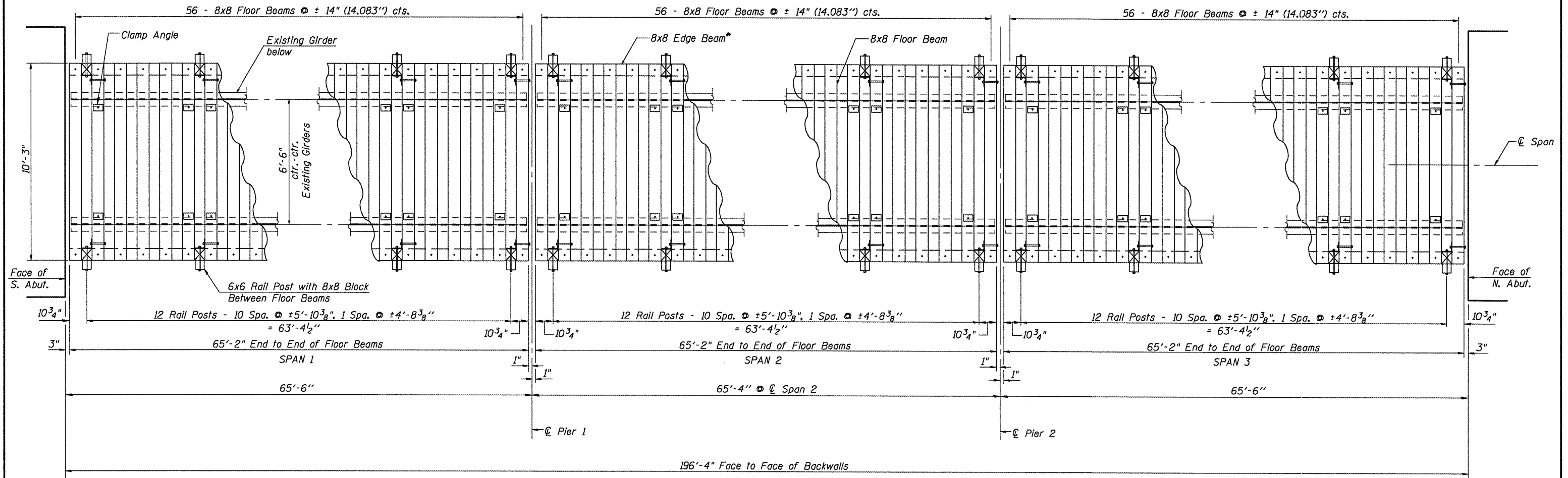
TIMBER DECK & RAILING DETAILS
SPANS 1-3
SANGAMON VALLEY TRAIL
OVER WASHINGTON STREET
SVT BRIDGE NO. 13
STRUCTURE NO. 084-9924

CEC Cummins Engineering Corporation
Civil and Structural Engineering

JOB = 2192	DESIGNED M.D.C.
FILE = 2192wash_super	CHECKED A.A.N.
DATE = 1/8/2010	DRAWN T.S.H.
	CHECKED M.D.C.

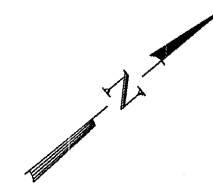
Sheet 3 of 6	RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	SVT	05-00173-00-BT	SANGAMON	173	90
	SANGAMON VALLEY TRAIL			CONTRACT NO.	
FED. ROAD DIST. NO. 6 ILLINOIS FED. AID PROJECT					

93522



*Provide 8x8 Edge Beam in minimum 10' lengths. Locate butt joints between floor beams. No butt joints allowed at rail posts.

TIMBER DECK FRAMING PLAN
(Deck Planks & Railing Not Shown)

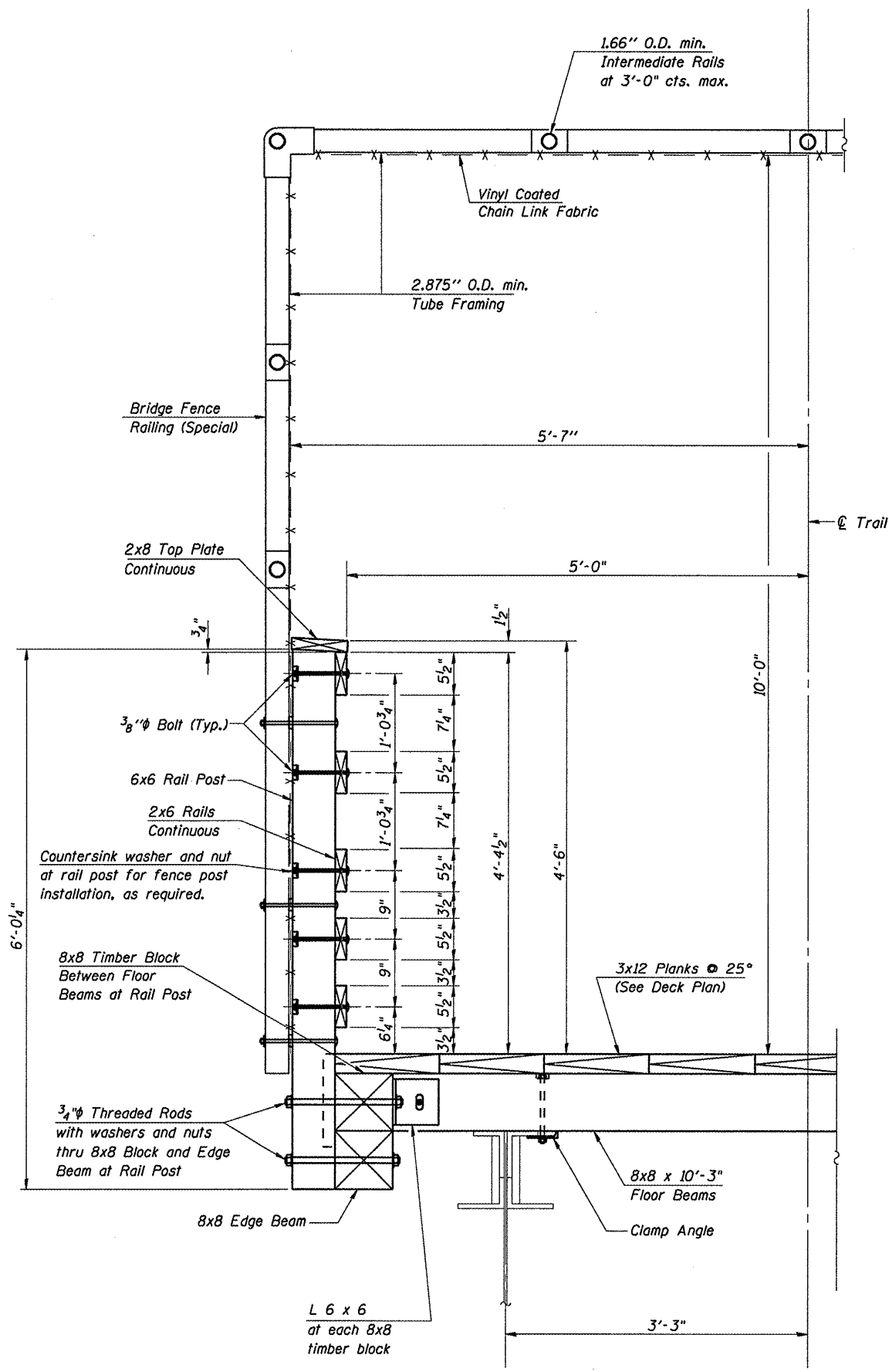


TIMBER FRAMING DETAILS
SPANS 1-3
SANGAMON VALLEY TRAIL
OVER WASHINGTON STREET
SVT BRIDGE NO. 13
STRUCTURE NO. 084-9924

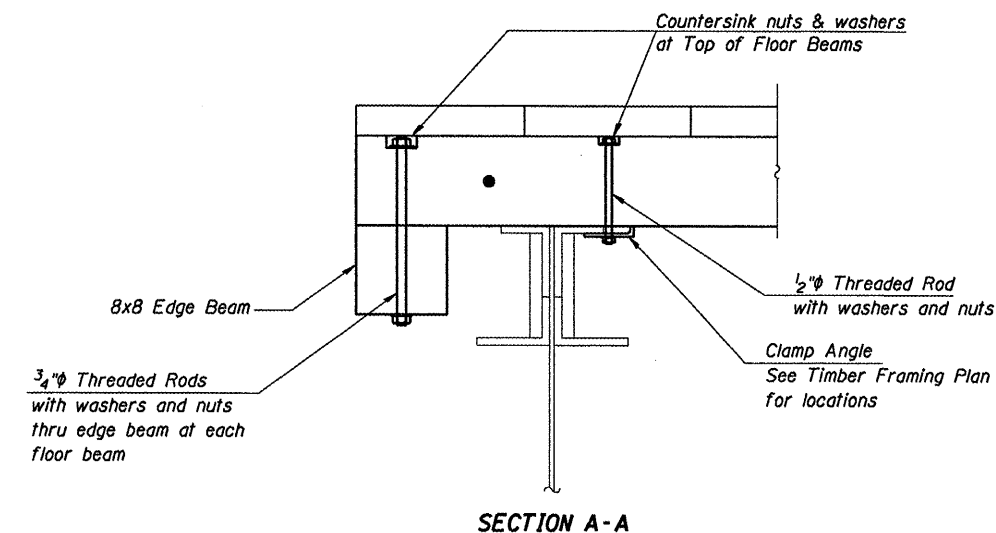
CEC Cummins Engineering Corporation Civil and Structural Engineering	JOB = 2192	DESIGNED	M.D.C.
	FILE = 2192wash_super	CHECKED	A.A.M.
	DATE = 6/5/2009	DRAWN	T.S.H.
		CHECKED	M.D.C.

Sheet 4 of 6	RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	SVT	05-00173-00-BT	SANGAMON	173	91
	SANGAMON VALLEY TRAIL		CONTRACT NO.		
	FED. ROAD DIST. NO. 6		ILLINOIS FED. AID PROJECT		

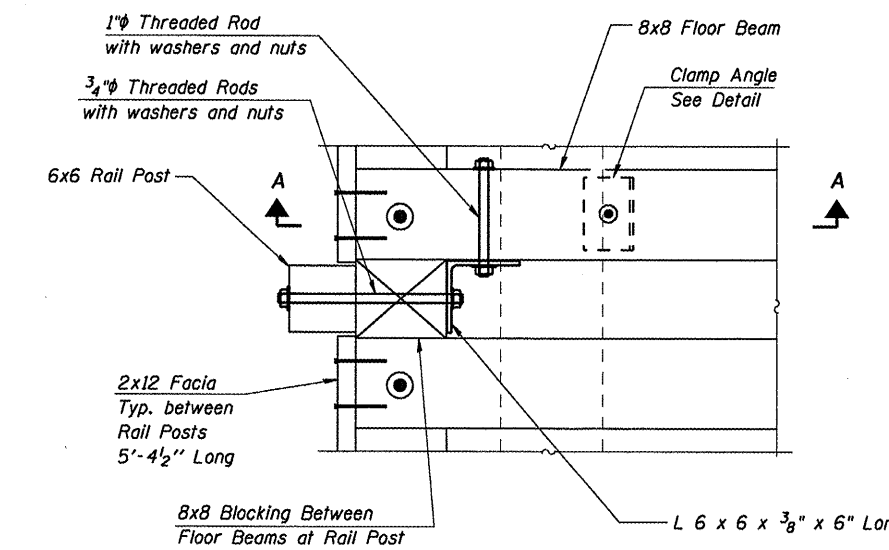
93522



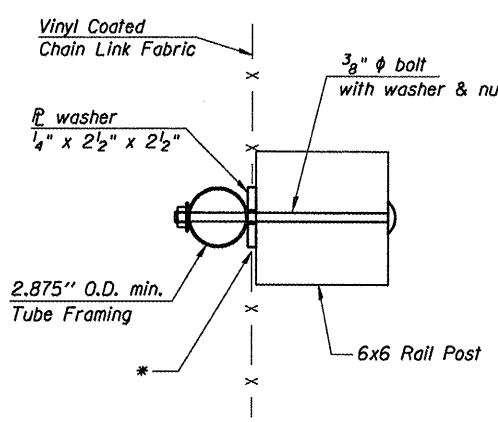
SECTION AT RAIL POST



SECTION A-A

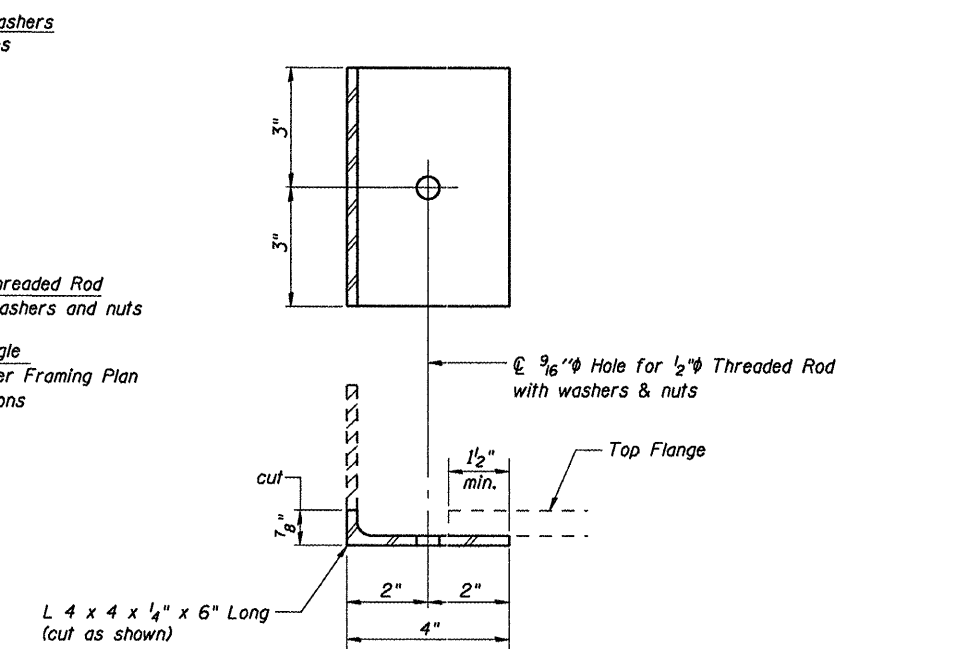


PLAN AT RAIL POST
(Deck Planks Not Shown)

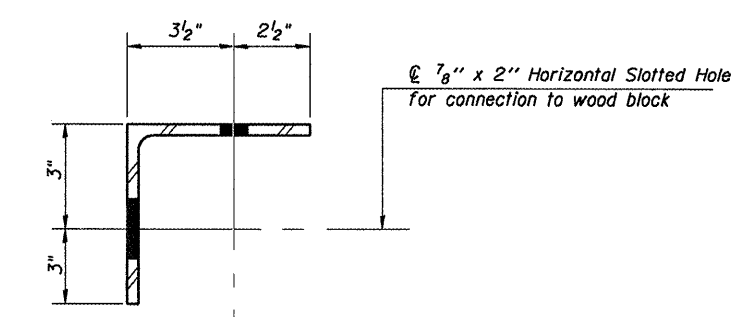


FENCE ATTACHMENT DETAIL

* Cut and Knuckle chain link fabric as required.

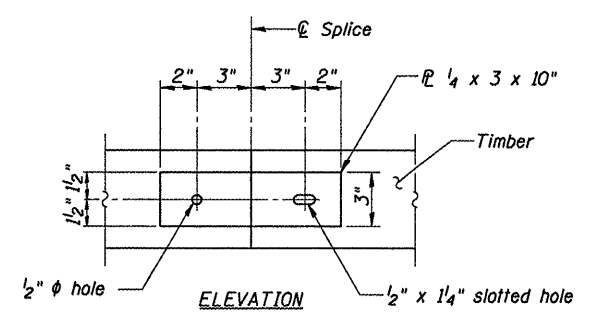


CLAMP ANGLE
(32 Required)

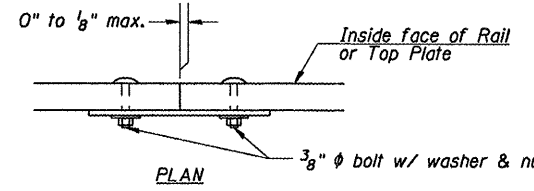


L 6 x 6
TIMBER BLOCK ANGLE
(16 Required)

* Weight of angles included in the weight of Hardware.



ELEVATION



SPLICE DETAIL

Note: Minimize splices in rails and top plate. Where possible span 3 rail posts.

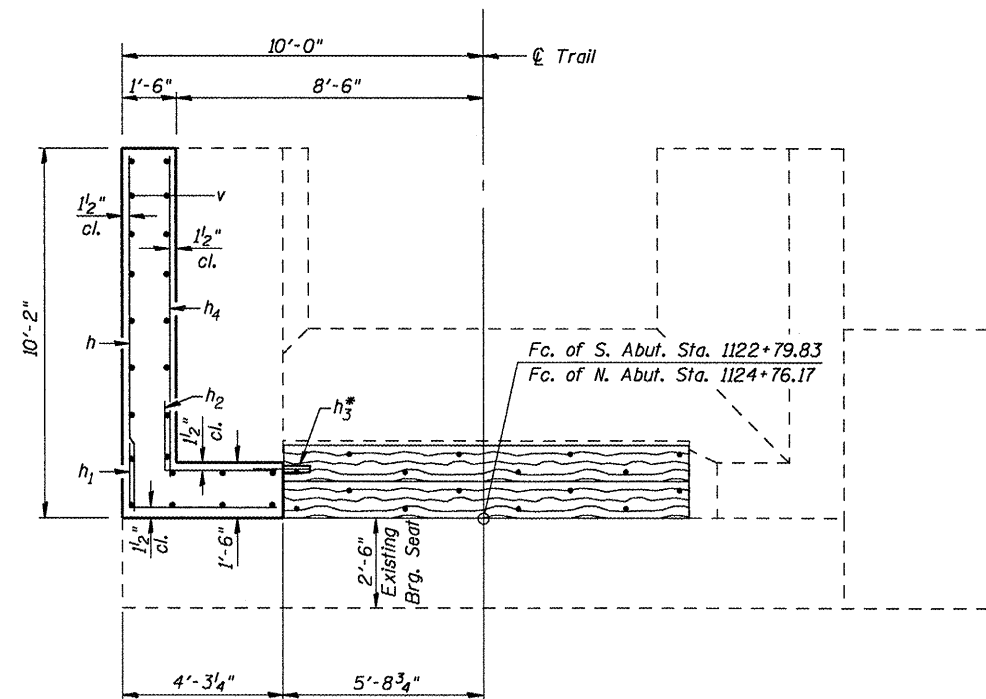
TIMBER DETAILS
SANGAMON VALLEY TRAIL
OVER WASHINGTON STREET
SVT BRIDGE NO. 13
STRUCTURE NO. 084-9924

CEC Cummins
Engineering
Corporation
Civil and Structural Engineering

JOB = 2192	DESIGNED M.D.C.
FILE = 2192wash_super	CHECKED A.A.N.
DATE = 1/8/2010	DRAWN T.S.H.
	CHECKED M.D.C.

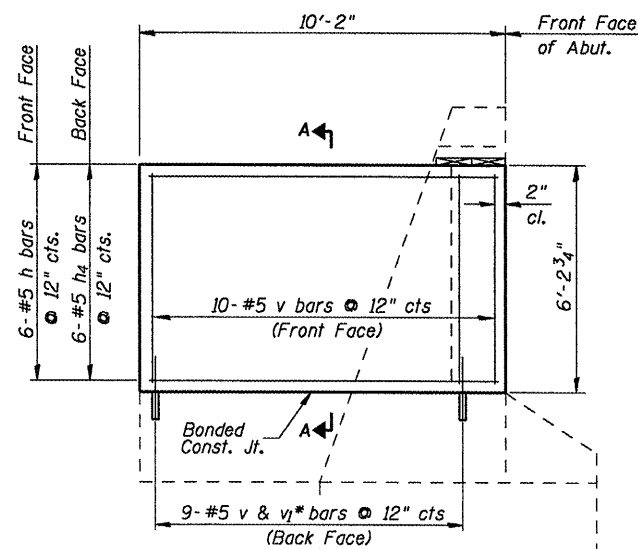
Sheet 5 of 6	RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	SVT	05-00173-00-BT	SANGAMON	173	92
SANGAMON VALLEY TRAIL			CONTRACT NO.		
FED. ROAD DIST. NO. 6 ILLINOIS FED. AID PROJECT					

93522



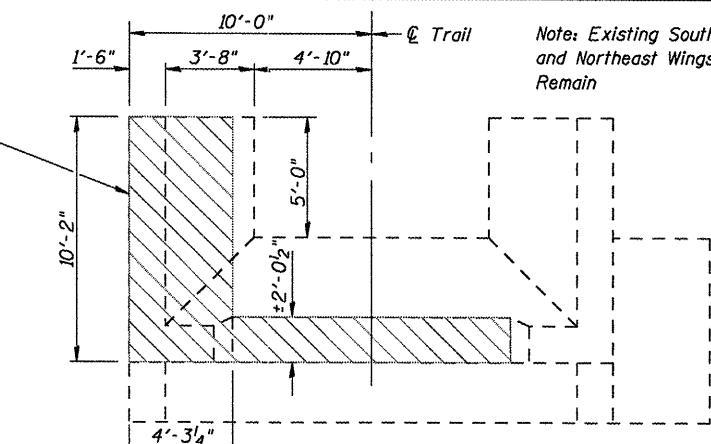
PLAN

(Showing New Southeast Wingwall at South Abutment. New Northwest Wingwall at North Abutment to be similar.)



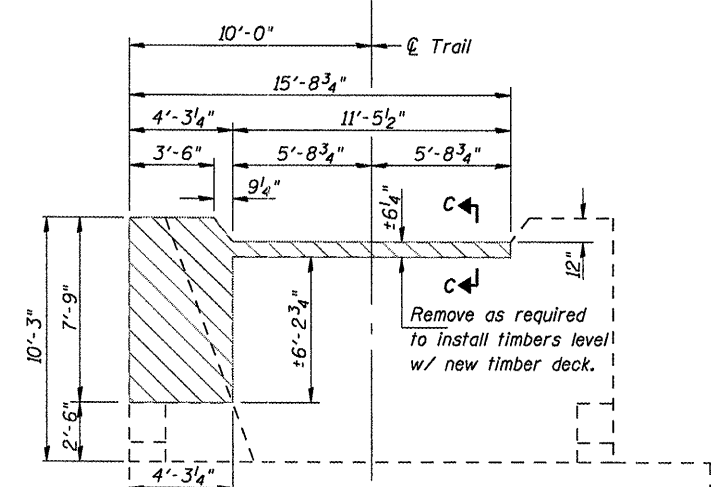
WINGWALL ELEVATION

(Showing Southeast Wingwall, Northwest Wingwall Similar)



PLAN

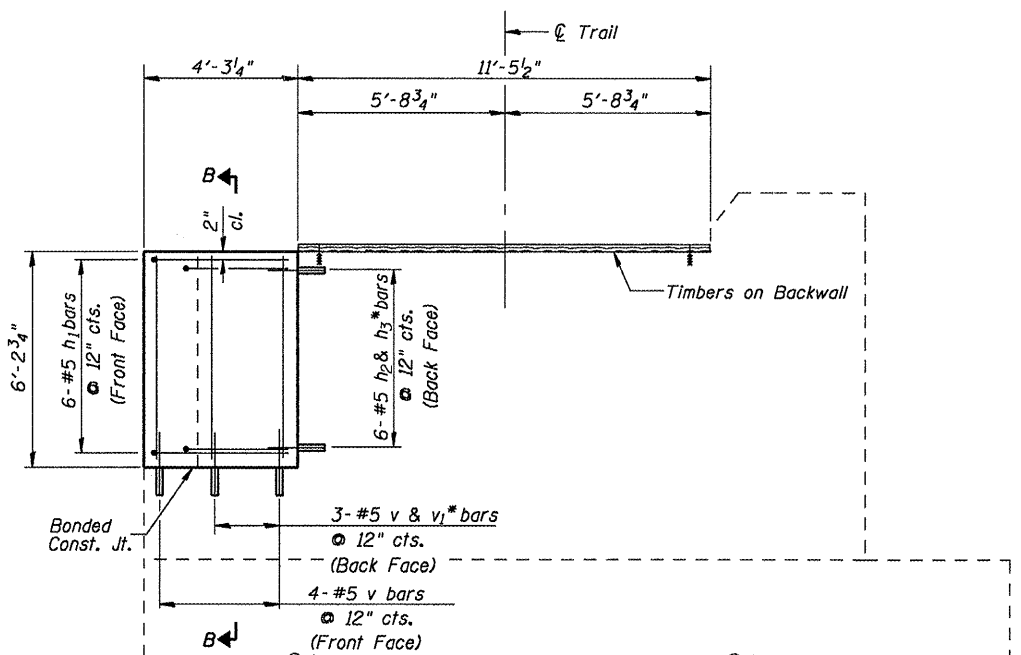
(Showing South Abutment, North Abutment Similar)



ELEVATION

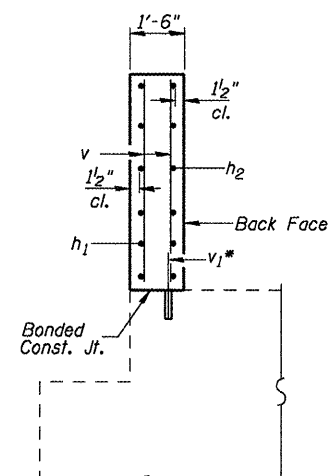
(Showing South Abutment, North Abutment Similar)

REMOVAL DETAILS

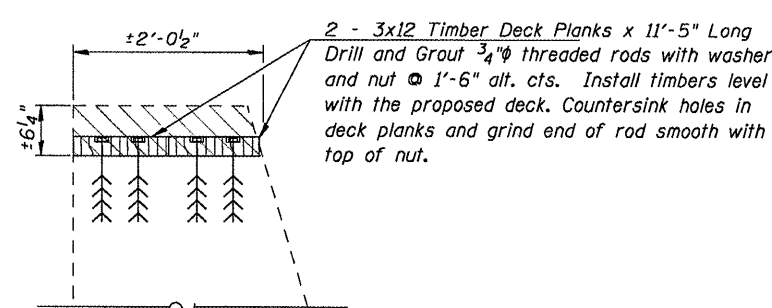


ELEVATION

(Showing New Southeast Wingwall at South Abutment. New Northwest Wingwall at North Abutment to be similar.)



SECTION B-B



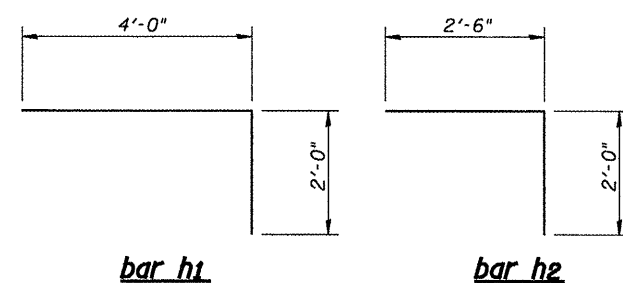
SECTION C-C

BILL OF MATERIAL - 2 ABUTS

Bar	No.	Size	Length	Shape
h	12	#5	9'-10"	—
h1	12	#5	6'-0"	—
h2	12	#5	4'-6"	—
h3*	12	#5	3'-0"	—
h4	12	#5	8'-6"	—
v	52	#5	5'-10"	—
v1*	24	#5	3'-0"	—
Concrete Removal		Cu. Yd.	19.0	
Structure Excavation		Cu. Yd.	32	
Concrete Structures		Cu. Yd.	9.0	
Reinforcement Bars, Epoxy Coated		Pound	790	
Treated Timber		F.B.M.	140	
Hardware		Pound	80	

**ABUTMENT DETAILS
SANGAMON VALLEY TRAIL
OVER WASHINGTON STREET
SVT BRIDGE NO. 13
STRUCTURE NO. 084-9924**

Note:
Hatched areas indicate limits of Concrete Removal at S.E. & N.W. Wingwalls and Top of Abutment Backwalls.
All bars designated with an asterisk (i.e.: v1*) and all threaded rods at abutments shall be epoxy grouted in accordance with Article 584 of the Standard Specifications. Minimum embedment = 9".
All reinforcement bars shall be epoxy coated.



EXISTING STRUCTURE: CN&W Railroad SN1863 was originally built in 1912. The existing structure is a five span bridge consisting of a three-bay slab in Span 1, a four bay steel truss in Span 2, 85-inch plate girders in Spans 3 and 4, and 60-inch plate girders in Span 5. The substructure consists of closed concrete abutments and solid concrete piers on concrete footings. The existing structure is 395'-2" back to back of abutments. The existing ties are 10'-0"± out to out. The existing ties will be removed and replaced with a timber deck system and pedestrian railing.

No Salvage.

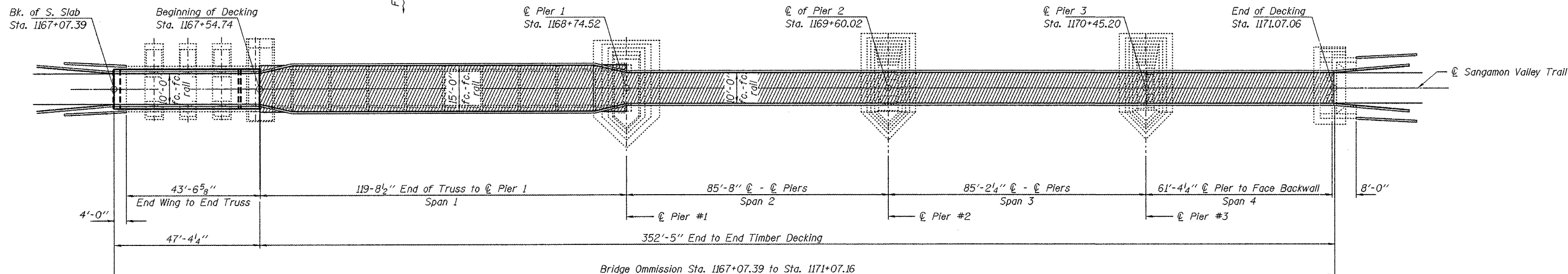
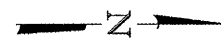
Timber Bicycle Railing
(Typ. Ea. Corner)
See Rdwy. Details.

Timber Plank Wingwall
See sheet 12 of 13
for details.

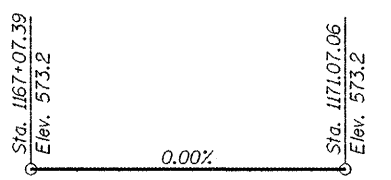
Timber Plank Wingwall
See sheet 13 of 13
for details.

100 Yr. H.W. Elev. 539.5
15 Yr. H.W. Elev. 538.0

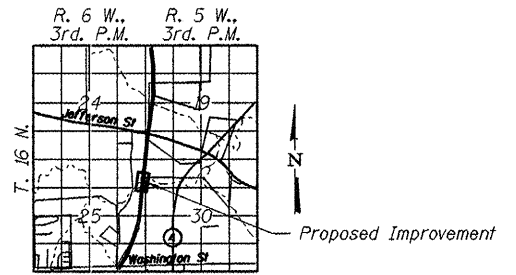
ELEVATION



PLAN



PROFILE GRADE



LOCATION SKETCH

DESIGN STRESSES

$f'_c = 3,500$ psi
 $f_y = 36,000$ psi (Structural Steel) (M270 Gr 36)
 $f_y = 60,000$ psi (Reinforcement)
 $f_b = 1,500$ psi (Timber Floor Beams)
 $f_b = 1,850$ psi (Timber Planking)

Loading: 85 psf Pedestrian Loading and 10,000 lb. Emergency Vehicle
 Design Specifications: 2002 AASHTO & all applicable Interims.

SEISMIC DATA

Seismic Performance Category (SPC) = A
 Bedrock Acceleration Coefficient (A) = 0.05g
 Site Coefficient (S) = 2.0

I certify that to the best of my knowledge, information and belief, this bridge design is structurally adequate for the design loading shown on the plans. The design is an economical one for the style of structure and complies with requirements of the current "AASHTO LRFD Specifications."

Steven Megginson 6/5/2009
 ILLINOIS STRUCTURAL NO. 081-6064



Expires 11-30-2010

DESIGNED - S.M.S.
CHECKED - S.W.M.
DRAWN - D.A.B.
CHECKED - S.M.S.

**GENERAL PLAN AND ELEVATION
 SVT BRIDGE NO. 14
 STRUCTURE NO 084-8014**

HAMPTON, LENZINI & RENWICK, INC. CIVIL & STRUCTURAL ENGINEERS LAND SURVEYORS 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 (217) 546-3400 PROJECT NUMBER: 12-84-0090 DATE: 05/28/09	SHEET NO. 1	T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	13 SHEETS		05-00713-00-BT	SANGAMON	173	94
		S.V.T. OVER SPRING CREEK		CONTRACT NO.		
		FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	93522		

GENERAL NOTES

1. Fasteners shall be AASHTO M164 Type 3, Bolts 3/4"φ, holes 15/16"φ, unless otherwise noted.
2. All structural steel and the rail post anchor assemblies shall be hot dipped galvanized according to AASHTO M-111 (ASTM A-123) Grade 85 minimum.
3. All bolts and fasteners shall be hot dipped galvanized according to AASHTO M-232 (ASTM A-153) Class C with a minimum zinc coating weight of 2.0 oz/sq. ft.
4. Anchor bolts shall be ASTM F1554 all thread (or an Engineer-approved alternate material) of the grade(s) and diameter(s) specified. ASTM A307 Grade C anchor bolts may be used in lieu of ASTM F1554.
5. Anchor bolts may be either cast in place or installed in holes drilled after the supported member is in place.
6. In lieu of existing panel layout, the Contractor may adjust dimensions with the following restrictions:
 1. Maximum Rail Post Spacing = 5'-10"
 2. Maximum Floor Beam Spacing = 1'-2"
 3. Minimum Edge Beam length = 10'-0"
 4. Edge Beam butt joints are not allowed at Rail Posts.
 5. Sections supported by two different steel superstructures shall only be clipped to the beams which support the majority of the panel.
 6. Expansion gaps shall be placed at the closest panel joint to the piers.
7. No field welding is permitted except as specified in the contract documents.
8. Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60. See Special Provisions.
9. Reinforcement bars designated (E) shall be epoxy coated.
10. Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.
11. Bolts may be used in lieu of the threaded rods.
12. Concrete Sealer shall be applied to the top exposed surfaces of the South Abutment concrete slab.
13. The Contractor shall provide and install all necessary timber shims to construct a level deck surface.
14. Timber deck planks shall be placed with the grain such that cupping will not cause water to sit on a plank.
15. The Contractor shall field verify all conditions at the site prior to the start of construction.
16. All structural timber shall be treated to conform to Section 507 of the Standard Specifications.
17. All hardware required for timber construction, including nuts, washers, lag screws, threaded rods and miscellaneous fasteners shall be stainless steel or hot-dipped galvanized and shall conform to Section 507 of the Standard Specifications, unless noted otherwise.
18. It shall be the responsibility of the Contractor to verify all dimensions and elevations of the existing structure in the field prior to construction and ordering materials. Do not scale dimensions from the drawings for construction process.
19. If, during the performance of the work, the Contractor finds a conflict or discrepancy related to existing details and dimensions of the existing structure, the Contractor shall report such discrepancies to the Engineer in writing at once and before proceeding with the work affected thereby. The Contractor shall obtain written interpretation or clarification of such discrepancies.
20. All lumber dimensions given are nominal dimensions. The minimum surface areas of timbers shall be as follows:

NOMINAL SIZE	DRESSED
2 x 6	1 1/2" x 5 1/2"
2 x 8	1 1/2" x 7 1/4"
2 x 12	1 1/2" x 11 1/4"
3 x 12	2 1/2" x 11 1/4"
6 x 6	5 1/2" x 5 1/2"
8 x 8	7 1/2" x 7 1/2"

Treated Timber							
PANEL	S. ABUT.	SPAN 1	SPAN 2	SPAN 3	SPAN 4	N. ABUT.	TOTALS (FBM)
N/A	2,244	0	0	0	0	1,414	3,658
1	0	3,397	0	0	0	0	3,397
2	0	15,337	0	0	0	0	15,337
3	0	0	1,332	0	0	0	1,332
4	0	0	7,978	9,973	5,014	0	22,965
5	0	0	0	0	1,698	0	1,698
TOTALS (FBM)	2,244	18,735	9,310	9,973	6,712	1,414	48,388


All sizes are Nominal - Lumber shall be full surfaced.

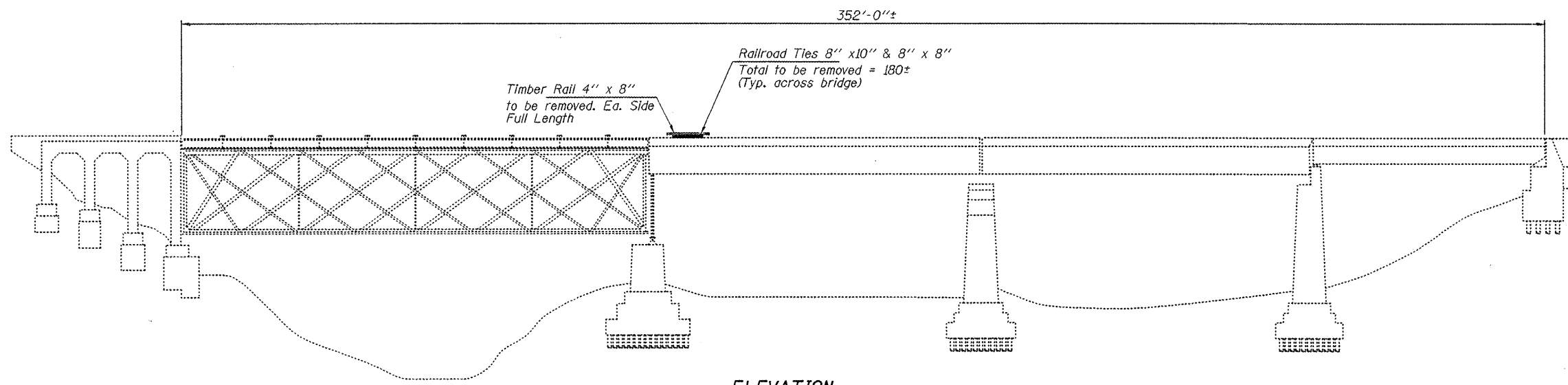
TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Aggregate Surface Course, Type B	Ton	25		25
Concrete Superstructures	Cu. Yd.	20.2		20.2
Reinforcement Bars, Epoxy Coated	Pound	2,760		2,760
Treated Timber	FBM			48,388
Removal of Existing Timber Material, Location 1	L. Sum	1		1
Concrete Removal	Cu. Yd.	1.3		1.3
Rail Anchor Assemblies	Each	18		18
Hardware	Pounds			5,020
Concrete Sealer	Sq. Ft.	715		715

DESIGNED - S.M.S.
CHECKED - S.W.M.
DRAWN - D.A.B.
CHECKED - S.M.S.

**GENERAL NOTES
SVT BRIDGE NO. 14
STRUCTURE NO 084-8014**

HAMPTON, LENZINI & RENWICK, INC. CIVIL & STRUCTURAL ENGINEERS LAND SURVEYORS  3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 (217) 546-3400	SHEET NO. 2	T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	13 SHEETS		05-00713-00-BT	SANGAMON	173	95
PROJECT NUMBER: 12-84-0090	DATE: 01/11/10	S.V.T. OVER SPRING CREEK		CONTRACT NO.		
		FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	93522	



BILL OF MATERIAL

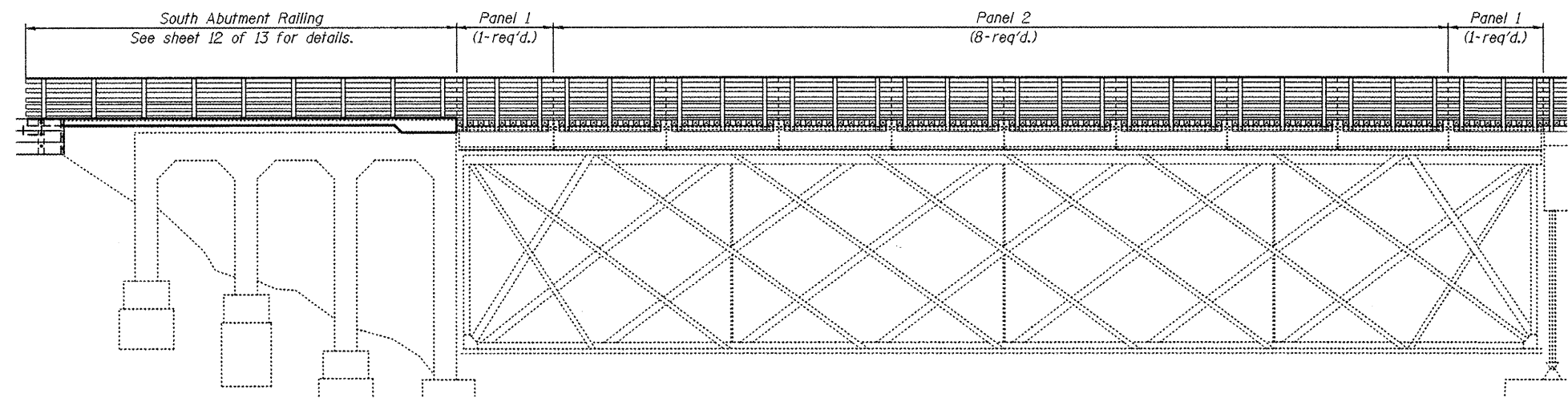
ITEM	UNIT	TOTAL
Removal of Existing Timber Material, Location 1	L. Sum	1
*Timber Ties	Foot	2,504

* Estimated Quantity for information only. Cost included in Removal of Existing Timber Material.

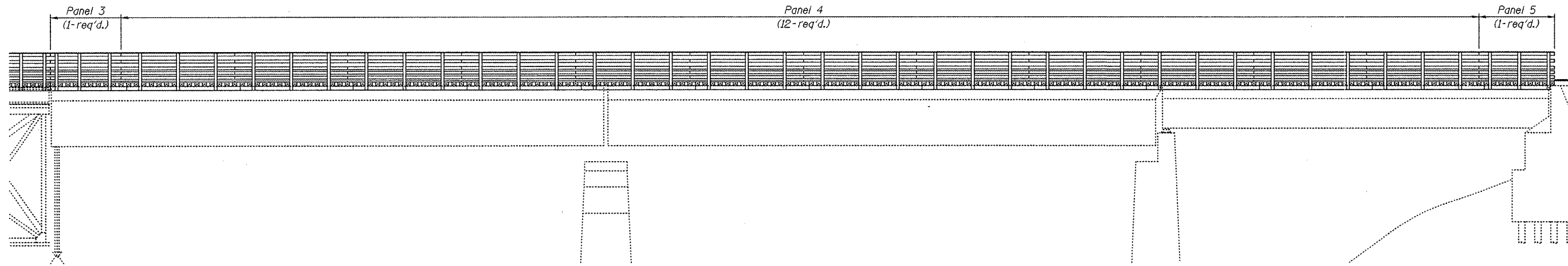
**SUPERSTRUCTURE REMOVAL
SVT BRIDGE NO. 14
STRUCTURE NO 084-8014**

DESIGNED - S.M.S.
CHECKED - S.W.M.
DRAWN - D.A.B.
CHECKED - S.M.S.

HLR <small>HAMPTON, LENZINI & RENWICK, INC. CIVIL & STRUCTURAL ENGINEERS LAND SURVEYORS 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 (217) 546-3400</small>	SHEET NO. 3 13 SHEETS	T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			05-00713-00-BT	SANGAMON	173	96
PROJECT NUMBER: 12-R4-0090		DATE: 05/28/09		S.V.T. OVER SPRING CREEK		CONTRACT NO.
				FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	03529




ELEVATION
(Span 1)



ELEVATION
(Spans 2 thru 4)

DESIGNED - S.M.S.
CHECKED - S.W.M.
DRAWN - D.A.B.
CHECKED - S.M.S.

PANEL LAYOUT
SVT BRIDGE NO. 14
STRUCTURE NO 084-8014

HAMPTON, LENZINI & RENWICK, INC. CIVIL & STRUCTURAL ENGINEERS LAND SURVEYORS  3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 (217) 546-3400 PROJECT NUMBER: 12-R4-0090 DATE: 05/28/09	SHEET NO. 4 13 SHEETS	T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			05-00713-00-BT	SANGAMON	173	97
		S.V.T. OVER SPRING CREEK		CONTRACT NO.		
		FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	03522		

TREATED TIMBER SCHEDULE - SPAN 1

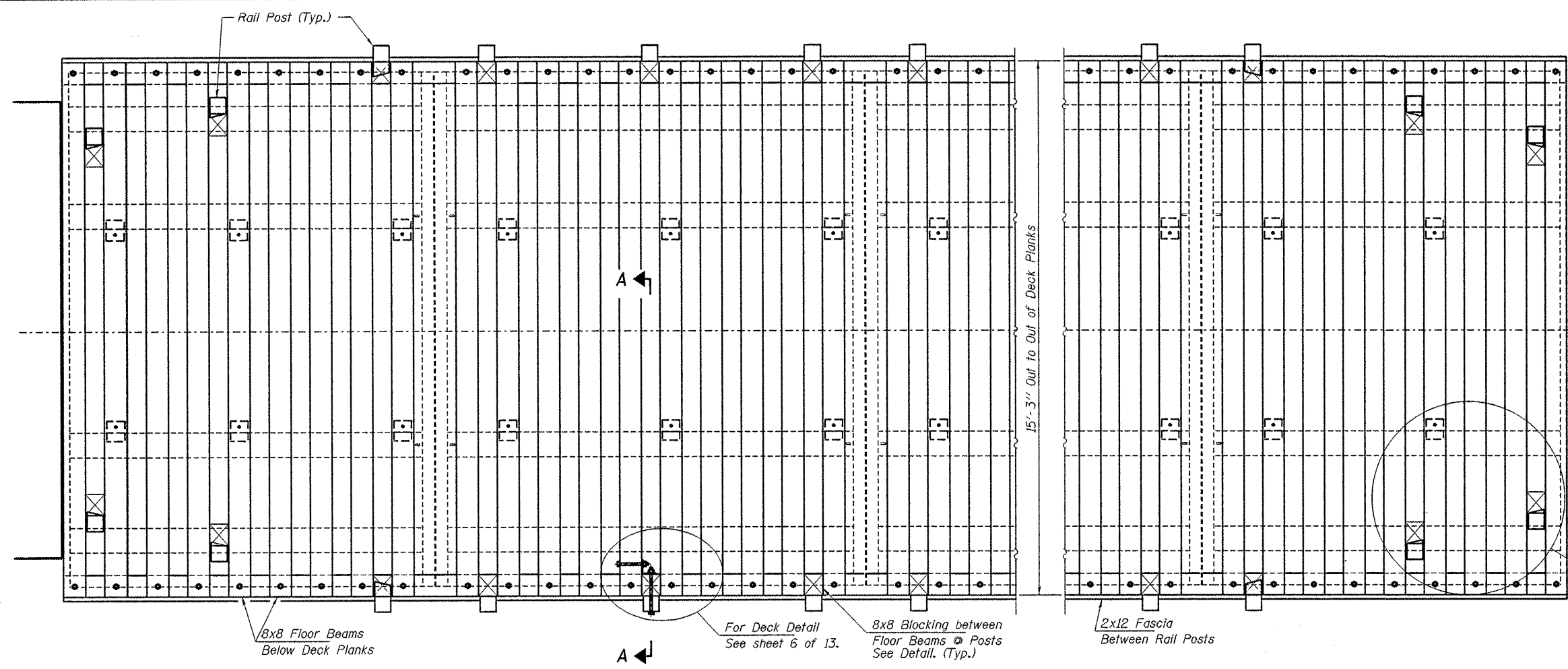
Nominal Member Size	Total Length (Ft.)	Quantity (F.B.M.)
8"x8"	1,754	9,352
3"x12"	1,968	5,904
2"x8"	241	321
2"x6"	1,204	1,204
6"x6"	490	1,471
2"x12"	241	482

BILL OF MATERIAL

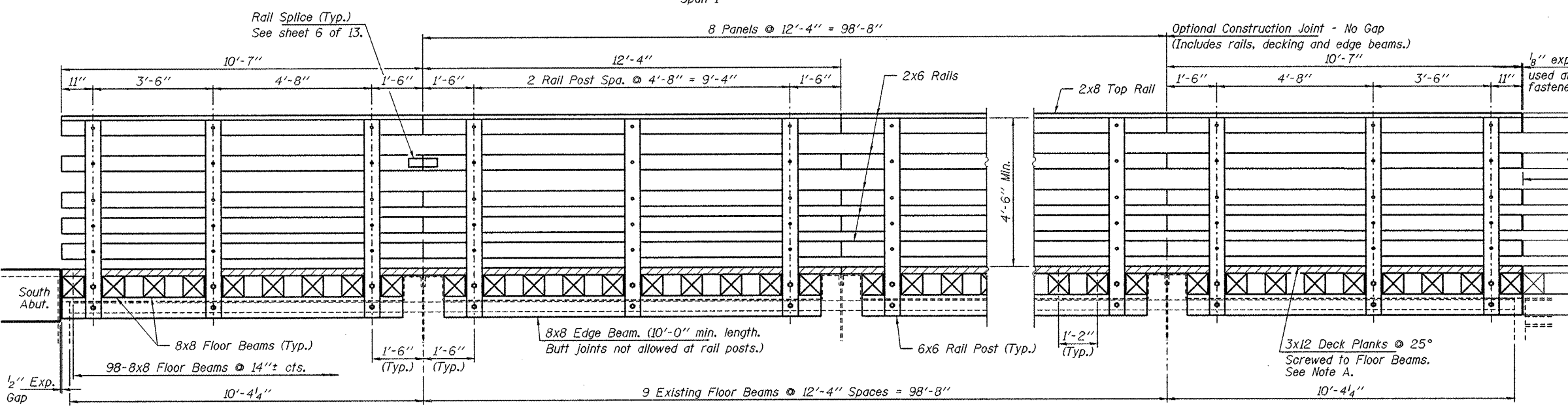
Item	Unit	Quantity
Treated Timber	F.B.M.	18,735
Hardware	Pound	1,320

Note:
Railing and Deck Planks not shown for clarity.

See Deck Detail
See sheet 6 of 13.



DECK PLAN
Span 1



RAIL ELEVATION
Span 1

TIMBER DECK & RAILING DETAILS
SPAN 1
SVT BRIDGE NO. 14
STRUCTURE NO 084-8014

DESIGNED - S.M.S.
CHECKED - S.W.M.
DRAWN - D.A.B.
CHECKED - S.M.S.

Note:
The 2x12 Fascia Board is not shown in Elevation for clarity.
See sheet 2 of 13 for quantity table.

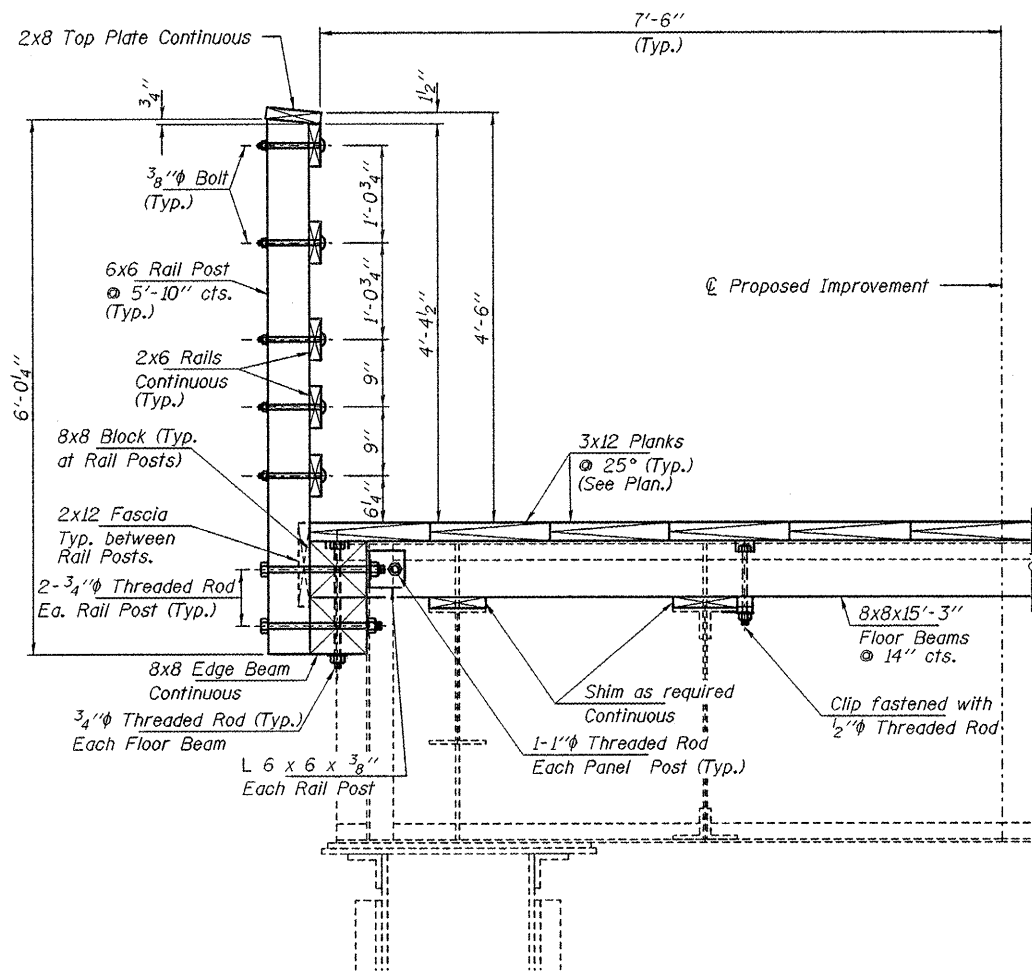
Note A:
It is recommended to attach decking after panels have been set and secured to allow access to the steel clips to the top steel flanges.

HAMPTON, LENZINI & RENWICK, INC.
CIVIL & STRUCTURAL ENGINEERS
LAND SURVEYORS
3085 STEVENSON DRIVE, SUITE 201
SPRINGFIELD, ILLINOIS 62703
(217) 546-3400
PROJECT NUMBER: 12-R4-0090 DATE: 05/28/09

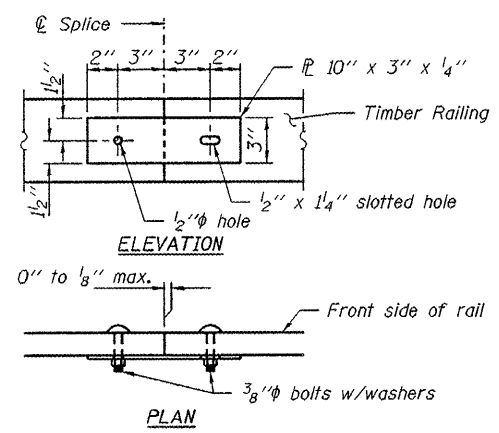
SHEET NO. 5
13 SHEETS

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00713-00-BT	SANGAMON	173	98
S.V.T. OVER SPRING CREEK		CONTRACT NO.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

93522



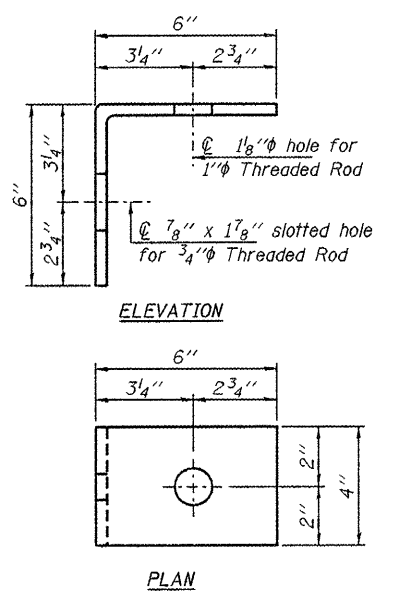
SECTION A-A



RAIL SPLICE DETAIL (Typ.)

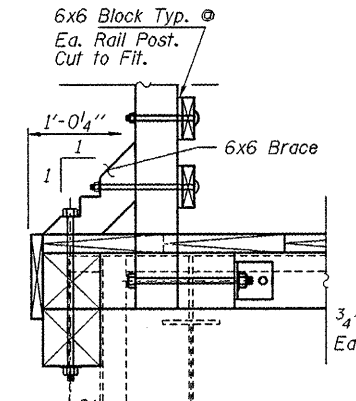
Note: Minimize splices in rails and top plate. Where possible span 3 rail posts, as per suggested panel spacing.

DESIGNED - S.M.S.
CHECKED - S.W.M.
DRAWN - D.A.B.
CHECKED - S.M.S.

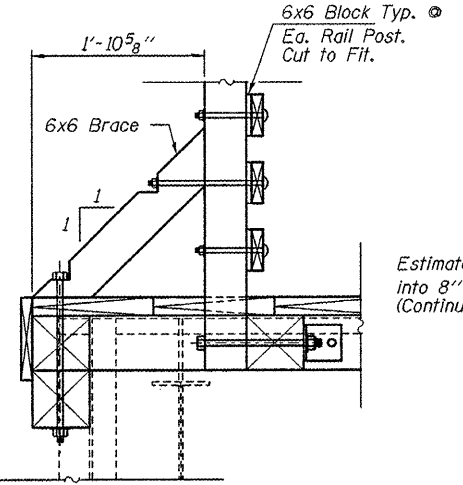


ANGLE DETAIL

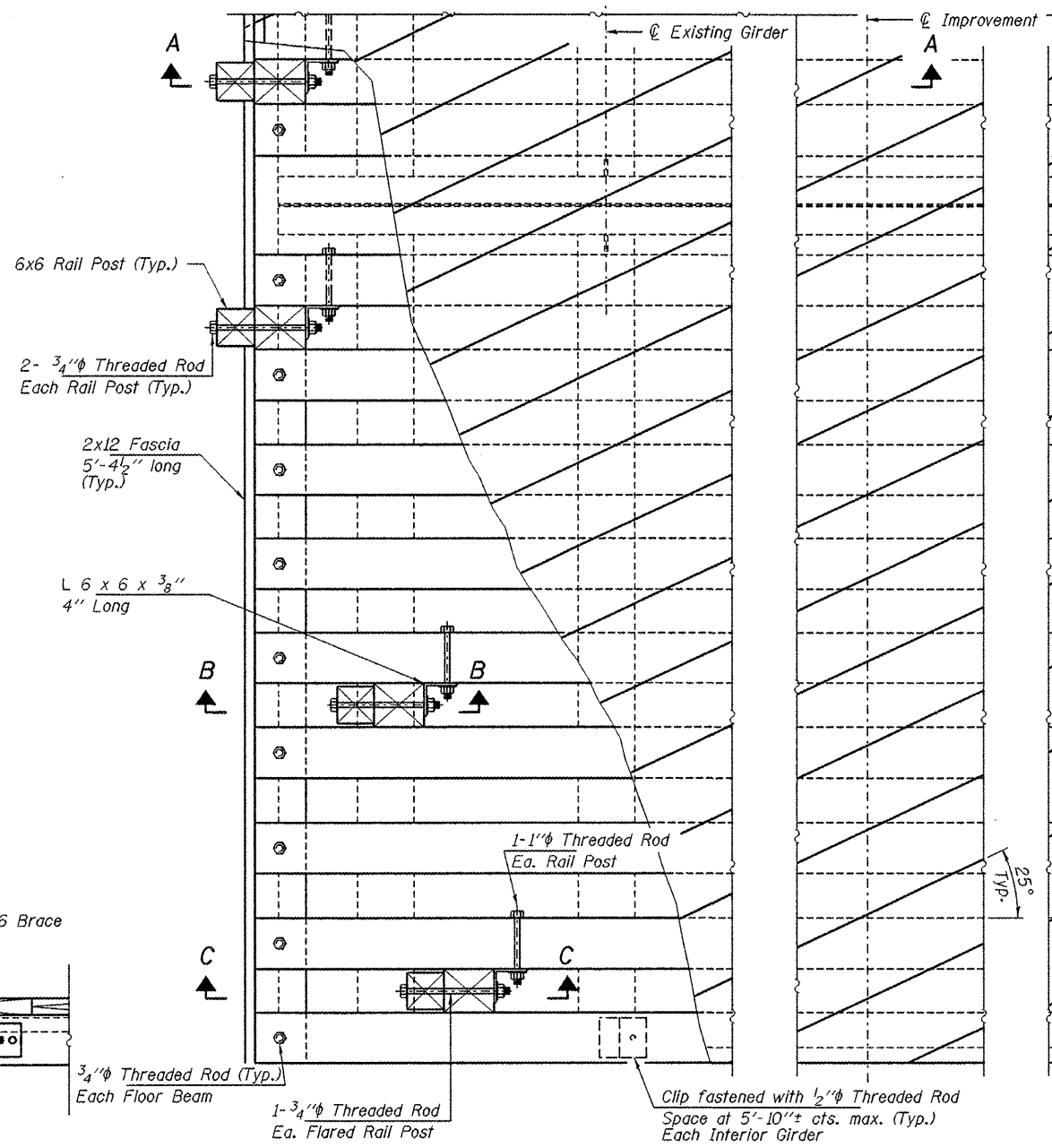
Note: Weight of Angles and Flange Clips included for payment as Hardware.



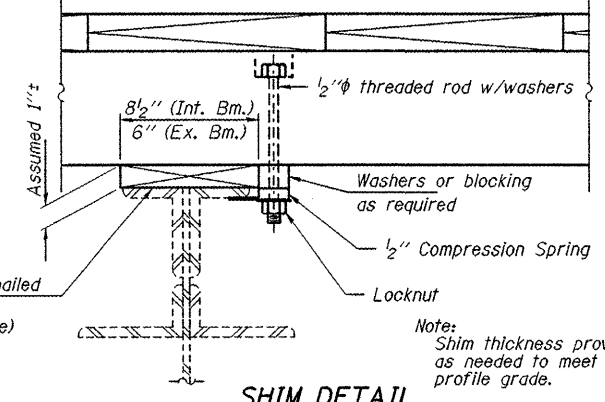
SECTION B-B



SECTION C-C



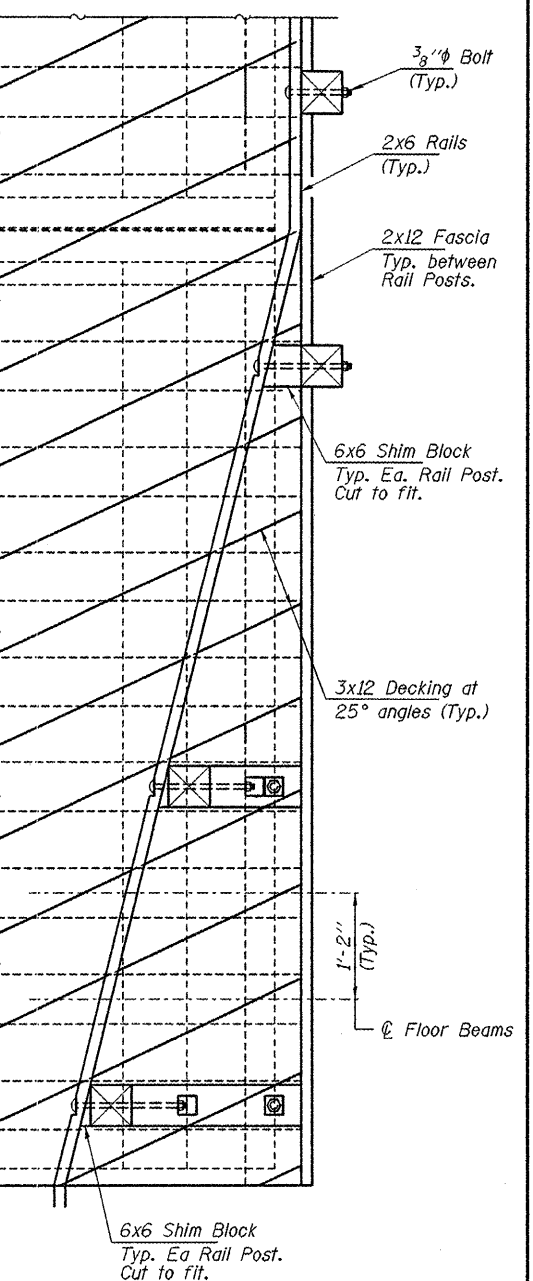
DECK DETAIL PLAN



SHIM DETAIL

Estimated shim to be toe nailed into 8 inch x 8 inch timbers (Continuous along top flange)

Note: Shim thickness provided as needed to meet proposed profile grade.

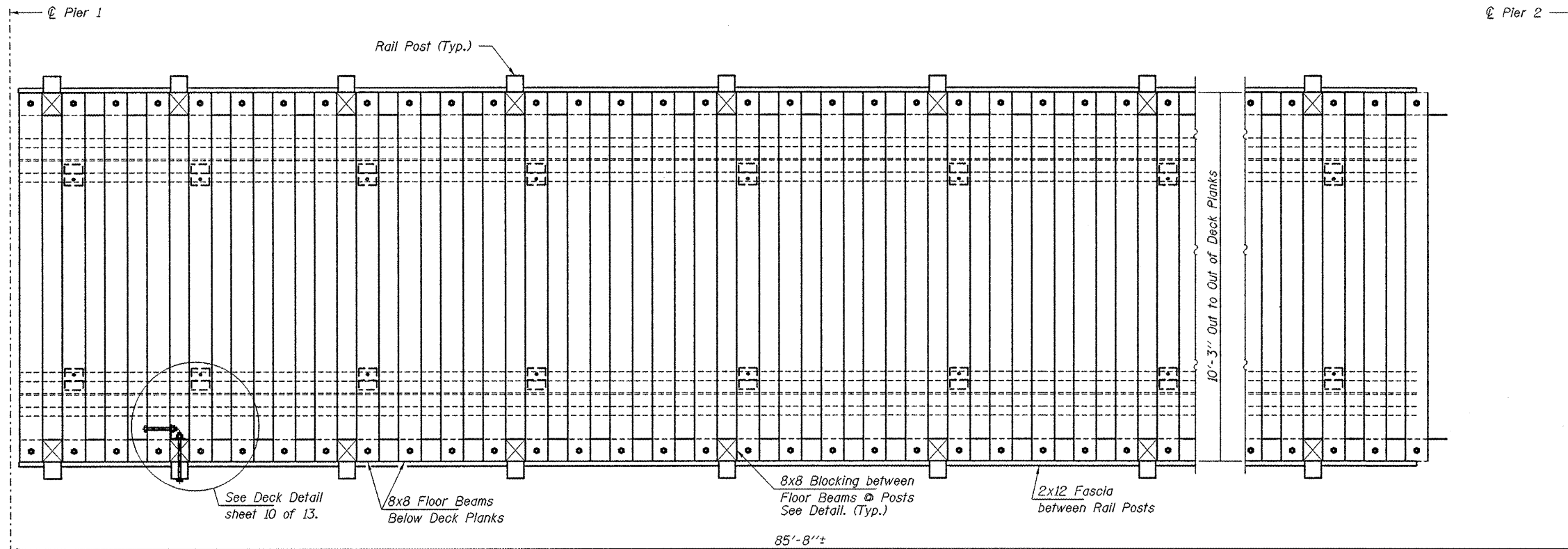


FLANGE CLIP DETAIL

(5'-10 inch cts. max spacing) Alternate flange clip allowed by approval of Engineer.

DECK & RAILING DETAILS SPAN 1 SVT BRIDGE NO. 14

HAMPTON, LENZINI & RENWICK, INC. CIVIL & STRUCTURAL ENGINEERS LAND SURVEYORS 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 (217) 546-3400 PROJECT NUMBER: 12-84-0080 DATE: 02/27/09	SHEET NO. 6	T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	13 SHEETS		05-00713-00-BT	SANGAMON	173	99
			S.V.T. OVER SPRING CREEK TRIB.	CONTRACT NO.		
			FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	93522	



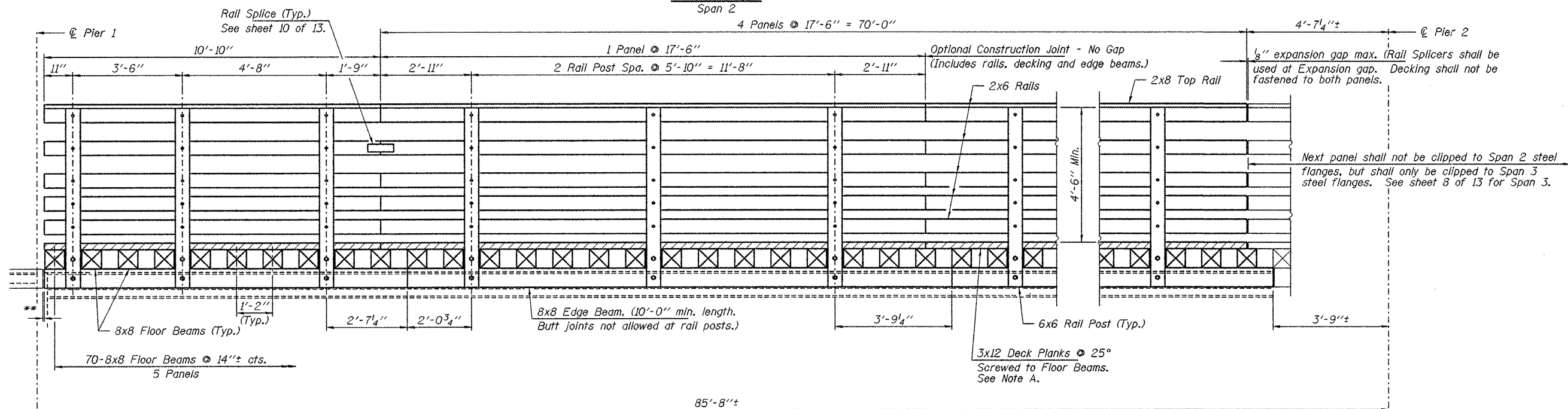
DECK PLAN
Span 2

TREATED TIMBER SCHEDULE - SPAN 2

Nominal Member Size	Total Length (Ft.)	Quantity (F.B.M.)
8"x8"	897	4,785
3"x12"	888	2,664
2"x8"	162	216
2"x6"	808	808
6"x6"	181	542
2"x12"	148	296

BILL OF MATERIAL

Item	Unit	Quantity
Treated Timber	F.B.M.	9,310
Hardware	Pound	760



RAIL ELEVATION
Span 2

TIMBER DECK & RAILING DETAILS
SPAN 2
SVT BRIDGE NO. 14
STRUCTURE NO 084-8014

DESIGNED - S.M.S.
CHECKED - S.W.M.
DRAWN - D.A.B.
CHECKED - S.M.S.

Note:
The 2x12 Fascia Board is not shown in Elevation for clarity.
See sheet 2 of 13 for quantity table.
**Dimension as required for 1/4" joint to Span 1 timbers.

Note A:
It is recommended to attach 3x12 deck planks after panels have been set to allow access to the steel clips to secure the panels.

HAMPTON, LENZINI & RENWICK, INC.
CIVIL & STRUCTURAL ENGINEERS
LAND SURVEYORS
3085 STEVENSON DRIVE, SUITE 201
SPRINGFIELD, ILLINOIS 62703
(217) 546-3400
PROJECT NUMBER: 12-R4-0090 DATE: 03/28/08

SHEET NO. 7
13 SHEETS

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00713-00-BT	SANGAMON	173	100
S.V.T. OVER SPRING CREEK		CONTRACT NO.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		93522