

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	10-00173-02-BT	SANGAMON	157	1

93687

INDEX OF SHEETS

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

**PLANS FOR PROPOSED  
SANGAMON VALLEY TRAIL**  
STUART PARK CONNECTOR TO IRWIN BRIDGE RD  
SECTION 10-00173-02-BT  
PROJECT TE OOD6 (125)  
SANGAMON COUNTY  
C-96-223-16

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:

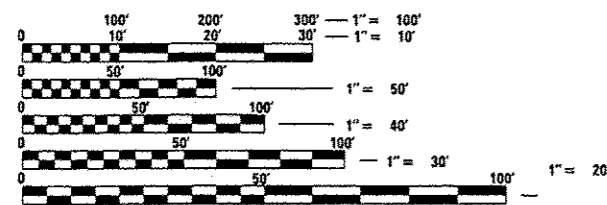
AMEREN CILCO  
(217) 753-5187  
ATTN: RICK COMBS

UTILITY TYPE:

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

UTILITY TYPE:

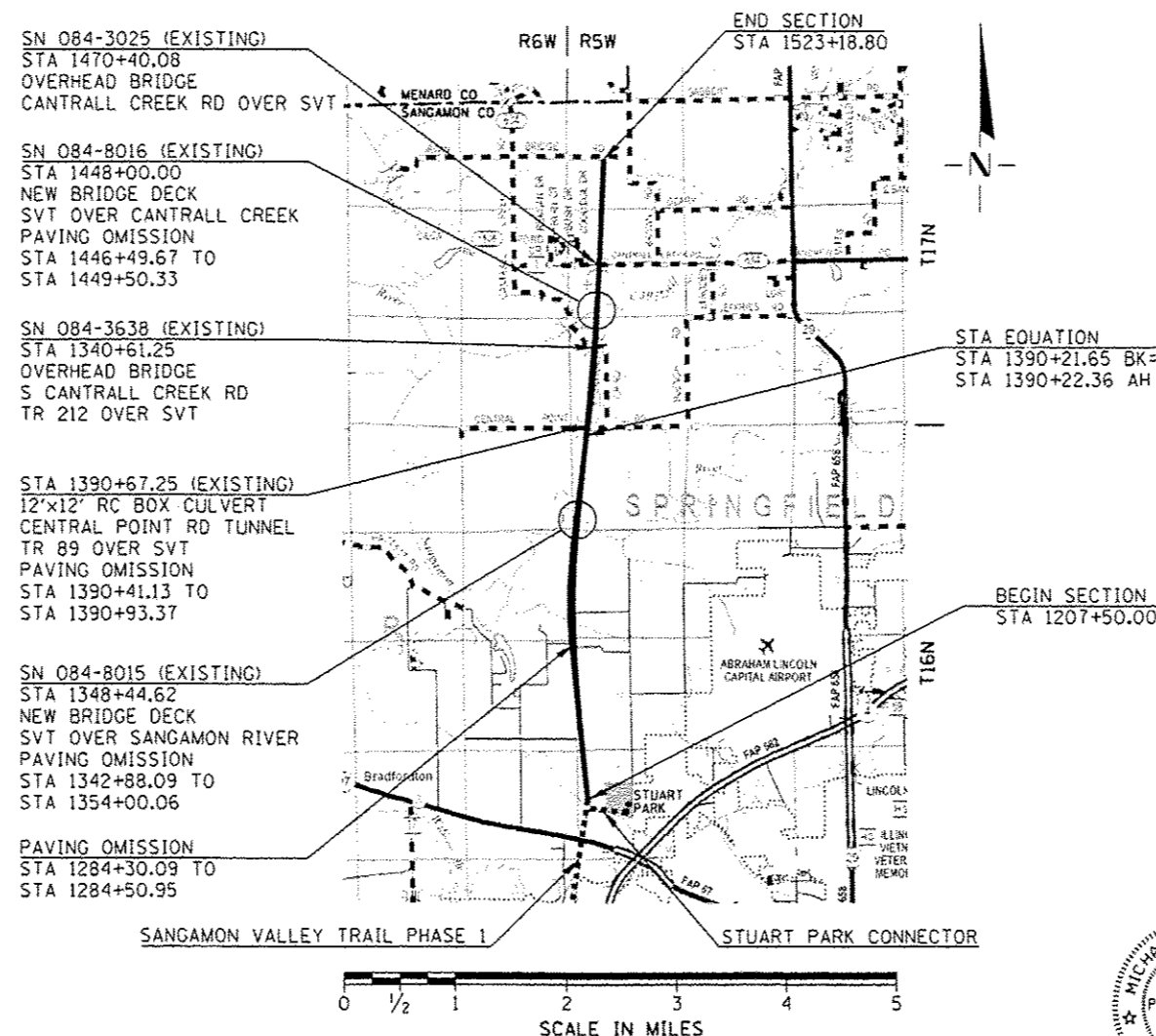
TELEPHONE  
VERIZON NORTH  
(217) 461-3222  
ATTN: JESSICA GORDON



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.

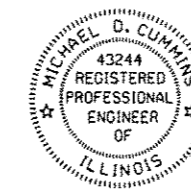
J.U.L.I.E.  
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION  
1-800-892-0123  
OR 811

CONTRACT NO. 93687

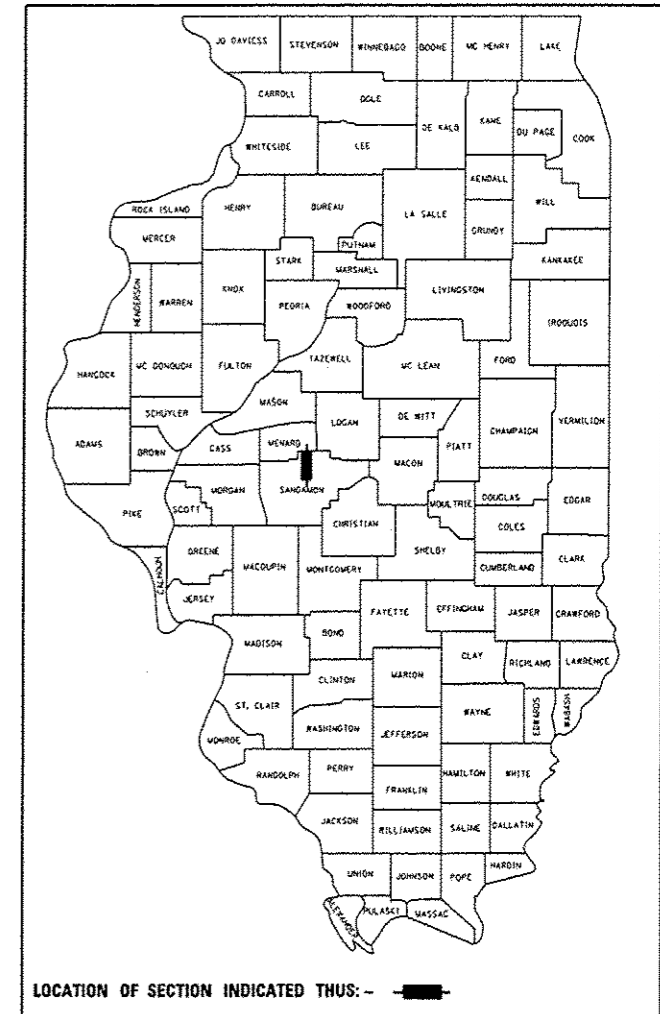


GROSS LENGTH OF SECTION: 31,568.09 FEET = 5.979 MILES  
NET LENGTH OF SECTION: 31,547.23 FEET = 5.975 MILES

**CEC** Cummins  
Engineering  
Corporation  
Civil and Structural Engineering



Michael D. Cummins 3/24/16  
ILLINOIS REGISTRATION NO. 43244  
(Expires 11/30/17)



APPROVED MARCH 23 2016  
*[Signature]*  
COUNTY ENGINEER

PASSED April 4 2016  
*[Signature]*  
DISTRICT SIX ENGINEER OF LOCAL ROADS AND STREETS

PASSED April 4 2016  
*[Signature]*  
DISTRICT ENGINEER OF CONSTRUCTION

RELEASED FOR BID BASED ON LIMITED REVIEW April 4 2016  
*[Signature]*  
REGION FOUR ENGINEER

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS

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**LIST OF ILLINOIS  
DOT HIGHWAY STANDARDS**

000001-06	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
424001-08	CURB RAMPS FOR SIDEWALKS
542401-02	METAL END SECTION FOR PIPE CULVERTS
701006-05	OFF ROAD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701201-04	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS > 45 MPH
701326-04	LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING, FOR SPEEDS > 45 MPH
701901-05	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
720011-01	METAL POSTS FOR SIGNS, MARKERS, & DELINEATORS
780001-05	TYPICAL PAVEMENT MARKINGS
BLR 21-9	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS

**GENERAL NOTES**

- THE AREA TO BE SEEDED SHALL CONSIST OF ALL DISTURBED EARTH SURFACES WITHIN THE RIGHT OF WAY AS DIRECTED BY THE ENGINEER.  
  
SEEDING CLASS 2 (SPECIAL) = 13.6 ACRES
- ALL ELEVATIONS SHOWN ON THE PLANS ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
- 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.
- MIXTURE REQUIREMENTS:  
  
THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT

LOCATION(S):	PARKING LOT	PARKING LOT SANGAMON VALLEY TRAIL CONNECTORS EXISTING PATHWAY	PARKING LOT
MIXTURE USE(S):	HMA BINDER	HMA SURFACE	HMA SURFACE
PG:	PG 64-22	PG 58-28	PG 64-22
DESIGN AIR VOIDS:	4.0% @ N DESIGN = 50	4.0% @ N DESIGN = 50	4.0% @ N DESIGN = 50
MIXTURE COMPOSITION: (GRADATION MIXTURE)	IL 19.0	IL 9.5	IL 9.5
FRICTION AGGREGATE:	N/A	MIX "C"	MIX "C"
QUALITY MANAGEMENT	QC/QA	QC/QA	QC/QA

- 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

ALL STEEL ITEMS, INCLUDING BENCHES, BICYCLE RACKS, BOLLARDS, ETC., SHALL COMPLY WITH ARTICLE 106.01 OF THE STANDARD SPECIFICATIONS.

SUMMARY OF QUANTITIES							
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
				0028			
20101000	TEMPORARY FENCE	FOOT	620	620			
20200100	EARTH EXCAVATION	CU YD	19,300	19,300			
* 20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	1,822	1,822			
21101625	TOPSOIL FURNISH AND PLACE, 6"	SQ YD	14,731	14,731			
△ 25100630	EROSION CONTROL BLANKET	SQ YD	6,477	6,477			
△ 28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	1,355	1,355			
28000305	TEMPORARY DITCH CHECKS	FOOT	368	368			
28000400	PERIMETER EROSION BARRIER	FOOT	42,739	42,739			
28000500	INLET AND PIPE PROTECTION	EACH	11	11			
* 31101100	SUBBASE GRANULAR MATERIAL, TYPE B	CU YD	1,822	1,822			
35100100	AGGREGATE BASE COURSE, TYPE A	TON	18,873	18,873			
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	255	255			
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	80,652	80,652			
* 40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	84	84			

\* SEE SPECIAL PROVISIONS

△ SPECIALTY ITEMS



JOB - 2278	DESIGNED - NAK	REVISED -
FILE NAME - 2278-shl-a00.dgn	DRAWN - SJS	REVISED -
PLOT SCALE - 28.8000' / IN.	CHECKED - NAK	REVISED -
PLOT DATE - 3/24/2016	DATE - 1/06/2016	REVISED -

SANGAMON VALLEY TRAIL

SUMMARY OF QUANTITIES

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	10-00173-02-BT	SANGAMON	157	3
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 93687	

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

SUMMARY OF QUANTITIES				
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE
				0028
* 40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	5,794	5,794
42400300	PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH	SQ FT	229	229
42400800	DETECTABLE WARNINGS	SQ FT	97	97
50300225	CONCRETE STRUCTURES	CU YD	4.5	4.5
50300265	SEAL COAT CONCRETE	CU YD	156.0	156.0
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	445	445
52100530	ANCHOR BOLTS, 1 1/4"	EACH	4	4
52200015	PERMANENT SHEET PILING	SQ FT	3,480	3,480
54213453	END SECTIONS 18"	EACH	2	2
△ 66406700	CHAIN LINK GATES, 5' X 12' DOUBLE	EACH	2	2
67100100	MOBILIZATION	L SUM	1	1
72000100	SIGN PANEL - TYPE 1	SQ FT	286	286
72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	915	915
△ 78001100	PAINT PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	61	61

\* SEE SPECIAL PROVISIONS

△ SPECIALTY ITEMS



JOB - 2278	DESIGNED - NAK	REVISED -
FILE NAME - 2278-ahs.ssq.dgn	DRAWN - SJS	REVISED -
PLT SCALE - 28.8000' / IN.	CHECKED - NAK	REVISED -
PLT DATE - 3/24/2016	DATE - 1/06/2016	REVISED -

SANGAMON VALLEY TRAIL

SUMMARY OF QUANTITIES

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	10-00173-02-BT	SANGAMON	157	4
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 93687	

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

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				0028		
△ 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	374	374		
△ 78001180	PAINT PAVEMENT MARKING - LINE 24"	FOOT	20	20		
542D0220	PIPE CULVERTS, CLASS D, TYPE 1 15"	FOOT	200	200		
542D0223	PIPE CULVERTS, CLASS D, TYPE 1 18"	FOOT	78	78		
△ C2C01024	SHRUB, BUXUS MICROPHYLLA WINTERGREEN (WINTERGREEN LITTLELEAF BOXWOOD), 2' HEIGHT, CONTAINER	EACH	25	25		
* X0321158	PARK BENCHES	EACH	4	4		
* X0323378	CONCRETE PARKING BLOCKS	EACH	15	15		
△ * X2501000	SEEDING, CLASS 2 (SPECIAL)	ACRE	13.6	13.6		
* X2810208	STONE RIPRAP, CLASS A4 (SPECIAL)	TON	150	150		
* X2810210	STONE RIPRAP, CLASS A5 (SPECIAL)	TON	1,570	1,570		
* X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1		
* XX006670	TRAIL HEAD SIGN, COMPLETE	EACH	7	7		
* XX006785	TIMBER BICYCLE RAILING	FOOT	6,355	6,355		
* XX007309	BOLLARDS, QUICK RELEASE	EACH	3	3		

\* SEE SPECIAL PROVISIONS

△ SPECIALTY ITEMS



JOB - 2278	DESIGNED - NAK	REVISED -
FILE NAME - 2278-shl-soq.dgn	DRAWN - SJS	REVISED -
PLOT SCALE - 28.2888 1/ IN.	CHECKED - NAK	REVISED -
PLOT DATE - 3/24/2016	DATE - 1/06/2016	REVISED -

SANGAMON VALLEY TRAIL

SUMMARY OF QUANTITIES

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

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	10-00173-02-BT	SANGAMON	157	5
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 93687	

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				0028		
* XX008340	TIMBER BRIDGE APPROACH RAILING	FOOT	240	240		
* XX008342	REMOVAL OF EXISTING TIMBER MATERIALS - LOCATION 1	L SUM	1	1		
* XX008343	REMOVAL OF EXISTING TIMBER MATERIALS - LOCATION 2	L SUM	1	1		
* Z0001905	STRUCTURAL STEEL REPAIR	POUND	8,140	8,140		
* Z0003855	BICYCLE RACKS	EACH	3	3		
* Z0004002	BOLLARDS	EACH	6	6		
△ * Z0007101	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 1	L SUM	1	1		
△ * Z0007102	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 2	L SUM	1	1		
* Z0032300	JACKING EXISTING SUPERSTRUCTURE	L SUM	1	1		
△ * Z0055900	RUSTIC WOOD POST AND RAIL FENCE	FOOT	1,148	1,148		
* XX009100	CLEANING STEEL BRIDGE, LOCATION 1	L SUM	1	1		
* XX009101	CLEANING STEEL BRIDGE, LOCATION 2	L SUM	1	1		
* XX009102	TIMBER DECK SYSTEM	SQ FT	15,662	15,662		
* XX009103	TIMBER BRIDGE RAILINGS	FOOT	2,822	2,822		
# Z0076600	TRAINEES	Hour	2000	2000		
# Z0076604	TRAINEES TPG	Hour	2000	2000		

\* SEE SPECIAL PROVISIONS

△ SPECIALTY ITEMS # 0042



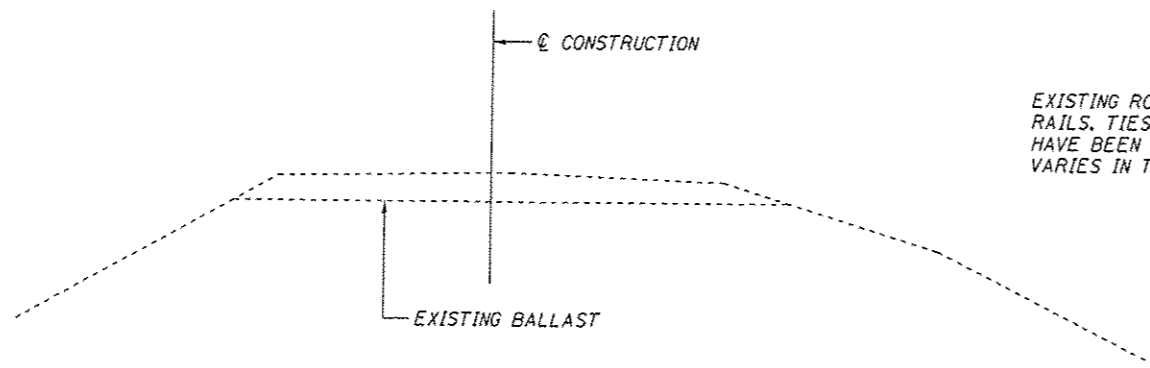
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PLOT SCALE - 28.8888 / IN.	CHECKED - NAK	REVISED -
PLOT DATE - 3/24/2016	DATE - 1/06/2016	REVISED -

SANGAMON VALLEY TRAIL

SUMMARY OF QUANTITIES

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

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	10-00173-02-BT	SANGAMON	157	6
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 93687	

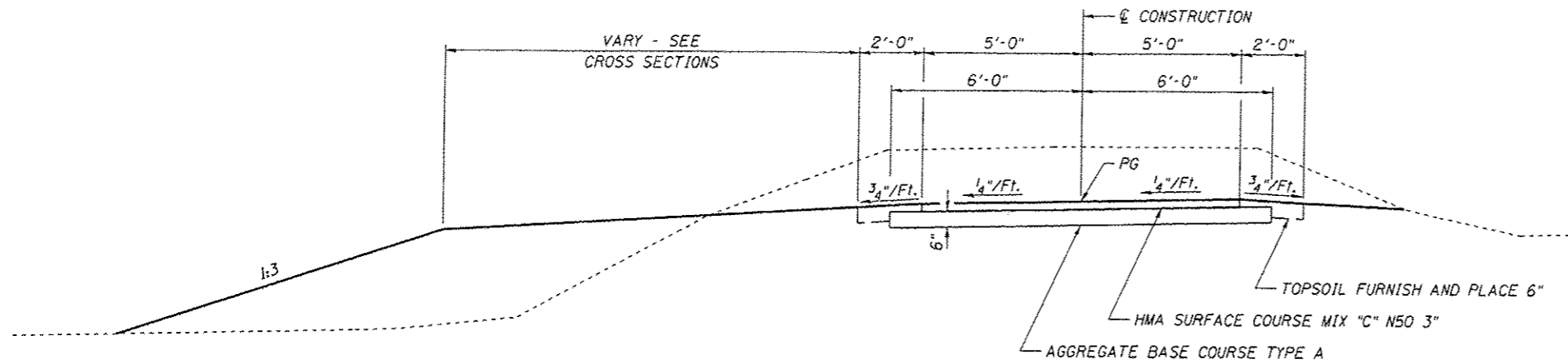


EXISTING ROADWAY IS ABANDONED RAILROAD. RAILS, TIES AND PORTIONS OF THE BALLAST HAVE BEEN REMOVED. REMAINING BALLAST VARIES IN THICKNESS AND WIDTH.

EXISTING TYPICAL CROSS SECTION

JOB # 2278	DESIGNED - NAK	REVISED -
FILE NAME : 2278-shs-typical.dgn	DRAWN - SJS	REVISED -
PLOT SCALE : 5.0000 "/ IN.	CHECKED - NAK	REVISED -
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F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	10-00173-02-BT	SANGAMON	157	7
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 93687	

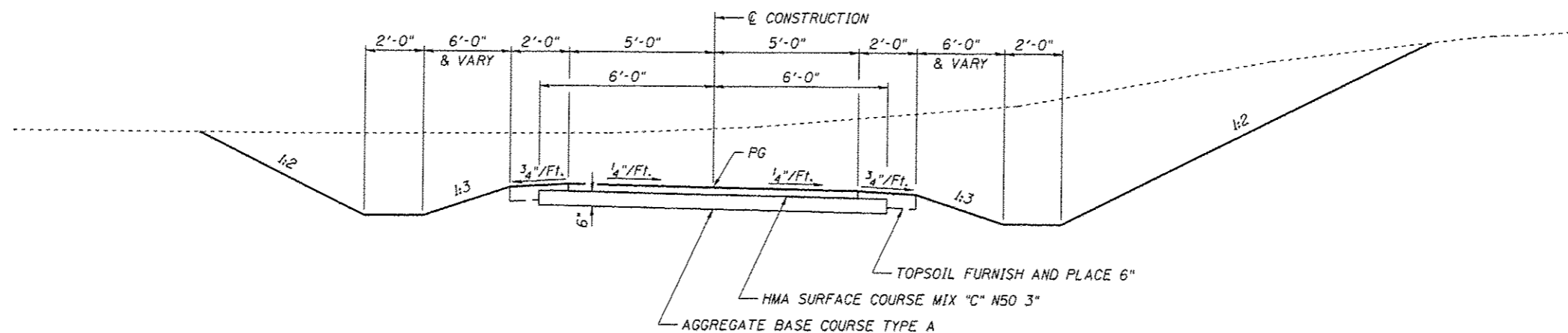


FILL SECTION-CONSTRUCT AS SHOWN  
ON STATION CROSS SECTIONS

FILL SECTION-CONSTRUCT AS SHOWN  
ON STATION CROSS SECTIONS

② PROPOSED SANGAMON VALLEY TRAIL TYPICAL CROSS SECTION  
WIDENED EMBANKMENT

STA 1211+57 TO STA 1218+00  
LT STA 1218+00 TO STA 1220+00  
STA 1220+00 TO STA 1223+73.66



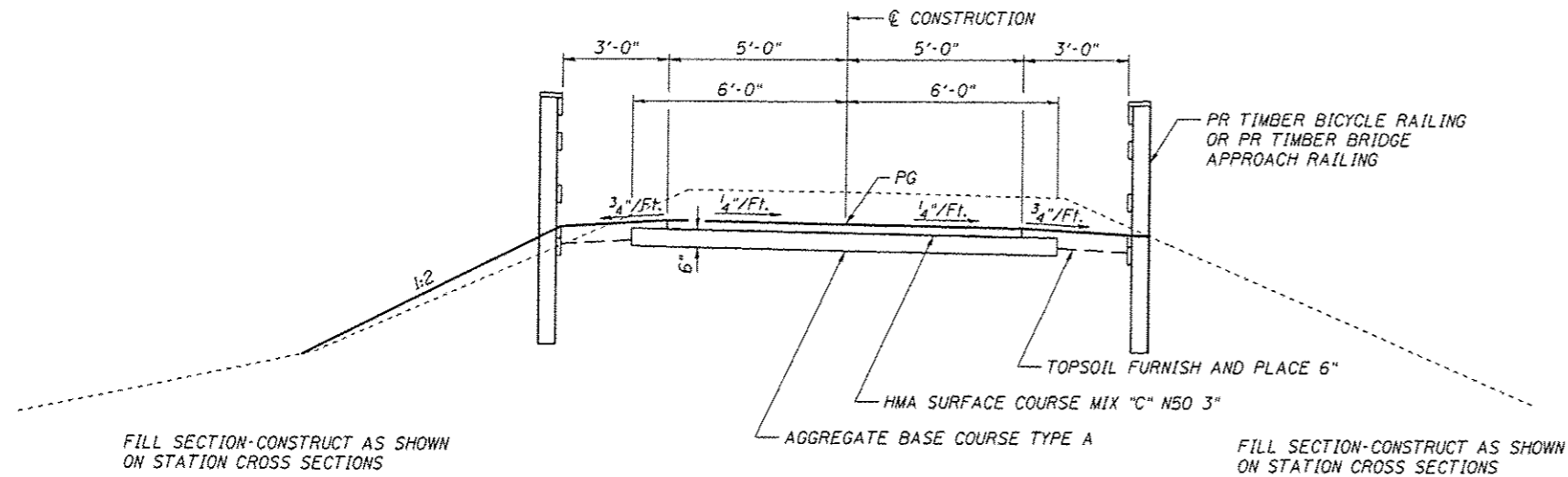
CUT SECTION-CONSTRUCT AS SHOWN  
ON STATION CROSS SECTIONS

CUT SECTION-CONSTRUCT AS SHOWN  
ON STATION CROSS SECTIONS

① PROPOSED SANGAMON VALLEY TRAIL TYPICAL CROSS SECTION  
CUT SECTION

STA 1207+50 TO STA 1211+57





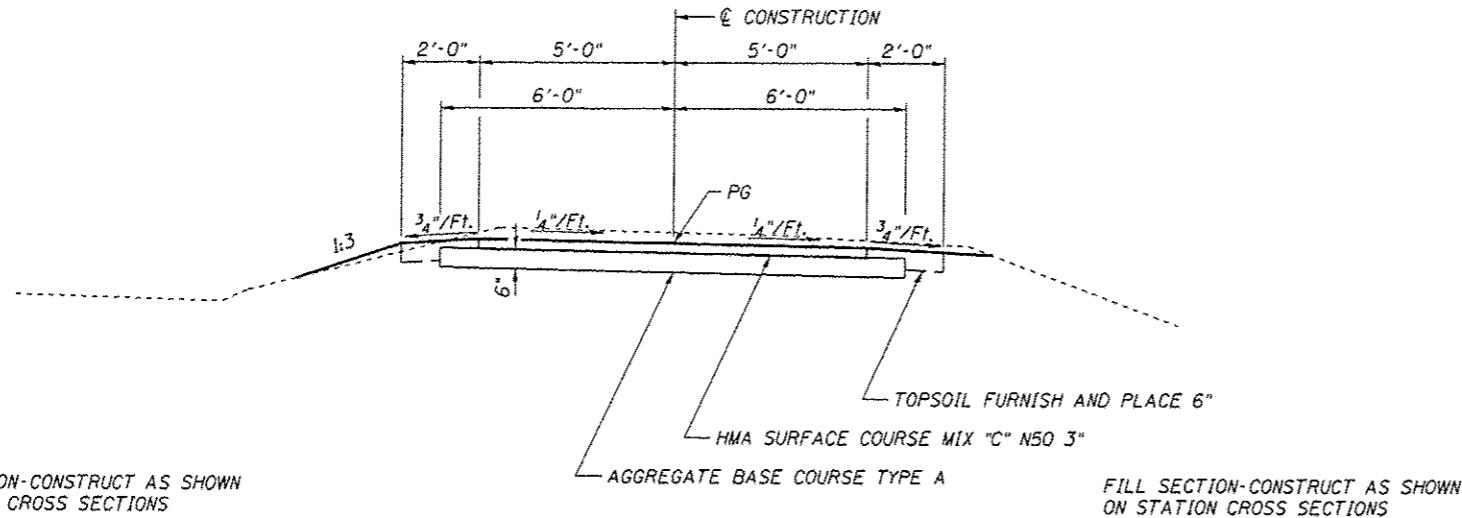
THE PROPOSED 3' WIDE EARTH SHOULDER SHALL EXTEND 10' BEYOND THE TIMBER BICYCLE RAILING AND TIMBER BRIDGE APPROACH RAILING LIMITS THEN TRANSITION TO 2' WIDE IN 6'.

FILL SECTION-CONSTRUCT AS SHOWN ON STATION CROSS SECTIONS

FILL SECTION-CONSTRUCT AS SHOWN ON STATION CROSS SECTIONS

**④ PROPOSED SANGAMON VALLEY TRAIL TYPICAL CROSS SECTION**  
**TIMBER BICYCLE RAILING**

STA 1277+50 TO STA 1279+50	RT STA 1319+60 TO STA 1320+80	LT STA 1388+00 TO STA 1388+86
RT STA 1292+50 TO STA 1296+50	RT STA 1327+03 TO STA 1328+03	RT STA 1388+00 TO STA 1389+44
LT STA 1294+50 TO STA 1296+50	LT STA 1334+50 TO STA 1340+60	STA 1419+46 TO STA 1420+46
LT STA 1300+50 TO STA 1302+50	RT STA 1334+50 TO STA 1336+30	STA 1421+96 TO STA 1422+96
RT STA 1300+50 TO STA 1301+50	STA 1342+68.09 TO STA 1342+88.09	LT STA 1438+50 TO STA 1440+50
STA 1307+15 TO STA 1308+15	LT STA 1354+00.06 TO STA 1354+20.06	STA 1446+29.67 TO STA 1446+49.67
STA 1310+40 TO STA 1311+00	RT STA 1354+00.06 TO STA 1377+50	STA 1449+50.33 TO STA 1450+10.10
		STA 1462+25 TO STA 1464+50



FILL SECTION-CONSTRUCT AS SHOWN ON STATION CROSS SECTIONS

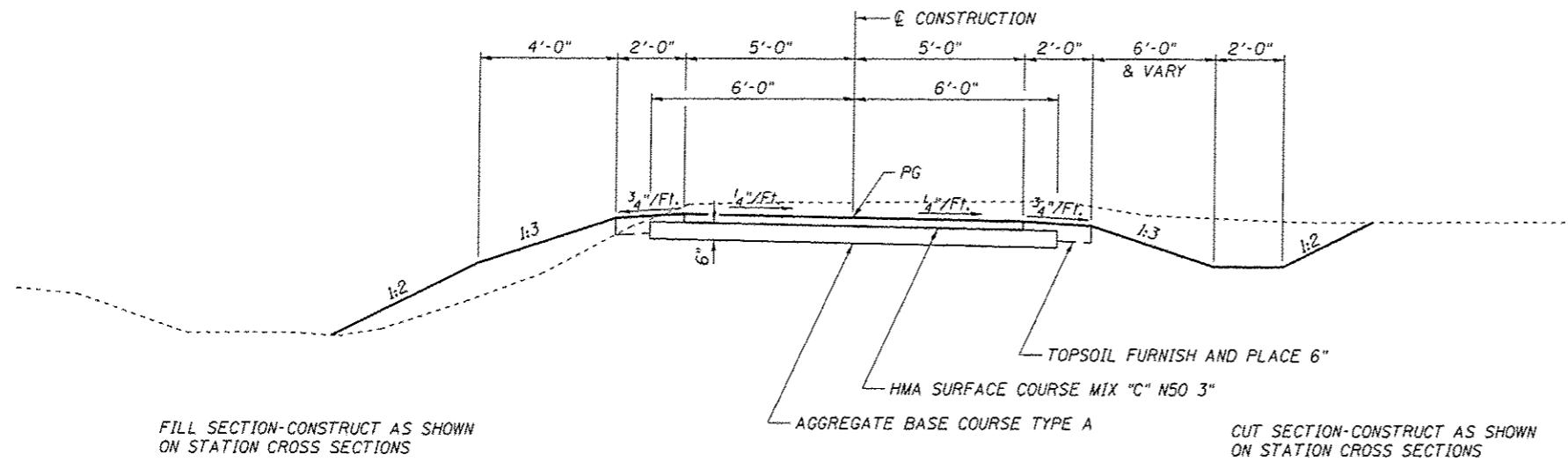
FILL SECTION-CONSTRUCT AS SHOWN ON STATION CROSS SECTIONS

**③ PROPOSED SANGAMON VALLEY TRAIL TYPICAL CROSS SECTION**  
**FILL SECTION**

STA 1256+00 TO STA 1277+50	RT STA 1336+30 TO STA 1340+60	STA 1420+46 TO STA 1421+96
STA 1284+00 TO STA 1284+30.09	LT STA 1371+00 TO STA 1377+50	STA 1440+50 TO STA 1446+29.67
STA 1284+50.95 TO STA 1291+50	STA 1377+50 TO STA 1388+00	STA 1450+10.10 TO STA 1462+25
RT STA 1291+50 TO STA 1292+50	LT STA 1388+86 TO STA 1389+44	STA 1464+50 TO STA 1469+50
STA 1298+00 TO STA 1300+50	STA 1389+44 TO STA 1390+41.13	
STA 1308+15 TO STA 1310+40	STA 1390+93.37 TO STA 1405+00	
STA 1325+00 TO STA 1327+03	RT STA 1405+00 TO STA 1413+00	
LT STA 1327+03 TO STA 1328+03	STA 1415+50 TO STA 1419+46	
STA 1328+03 TO STA 1334+50		

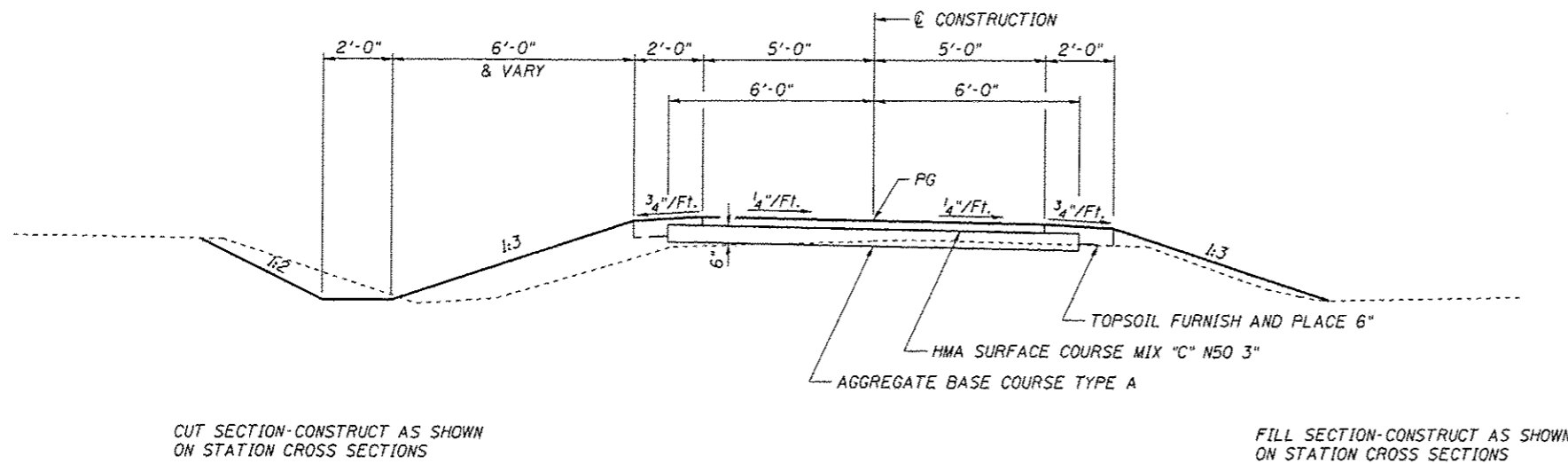
**PAVING OMISSIONS**

STA 1284+30.09 TO STA 1284+50.95  
 STA 1342+88.09 TO STA 1354+00.06  
 STA 1390+41.13 TO STA 1390+93.37  
 STA 1446+49.67 TO STA 1449+50.33



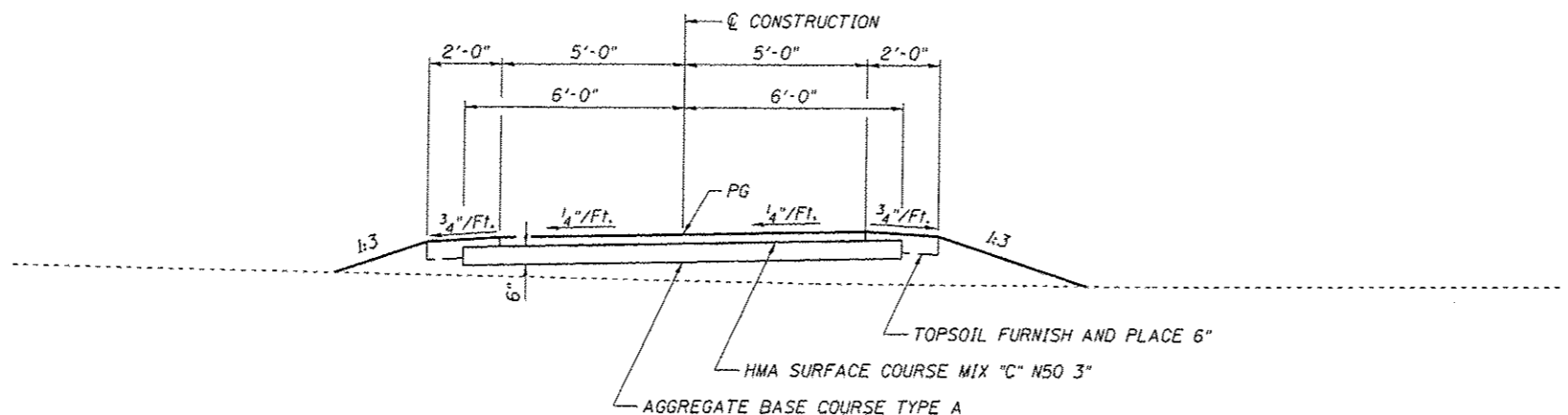
**⑥ PROPOSED SANGAMON VALLEY TRAIL TYPICAL CROSS SECTION  
COMPOUND SLOPE**

RT STA 1218+00 TO STA 1220+00  
 LT STA 1405+00 TO STA 1413+00  
 STA 1415+00 TO STA 1415+50



**⑤ PROPOSED SANGAMON VALLEY TRAIL TYPICAL CROSS SECTION  
CUT/FILL SECTION**

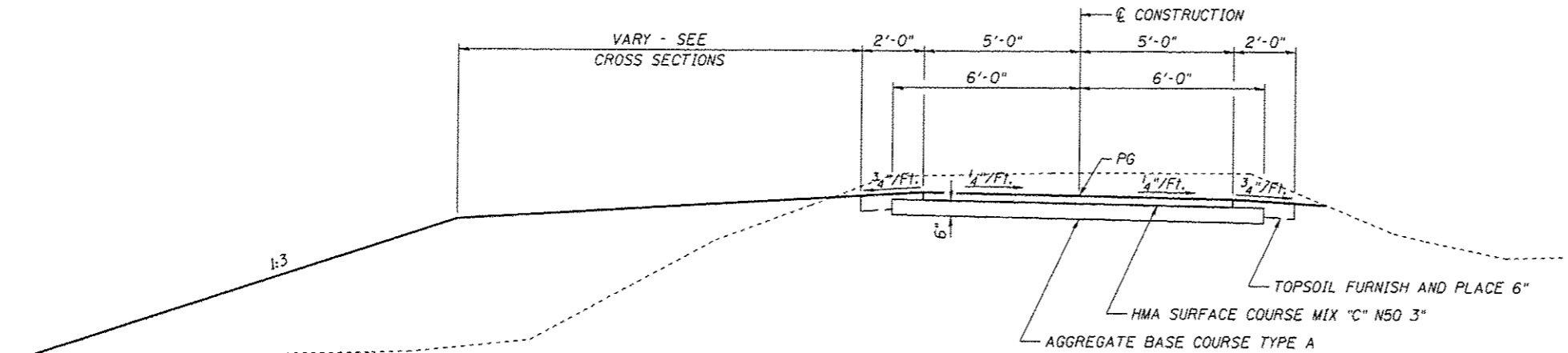
STA 1279+50 TO STA 1284+00  
 RT STA 1301+50 TO STA 1302+50  
 STA 1307+00 TO STA 1307+15  
 STA 1311+00 TO STA 1319+50  
 RT STA 1319+50 TO STA 1319+60  
 STA 1413+00 TO STA 1415+00  
 STA 1421+96 TO STA 1438+50  
 RT STA 1438+50 TO STA 1439+25  
 STA 1469+50 TO STA 1523+18.80



FILL SECTION-CONSTRUCT AS SHOWN  
ON STATION CROSS SECTIONS

FILL SECTION-CONSTRUCT AS SHOWN  
ON STATION CROSS SECTIONS

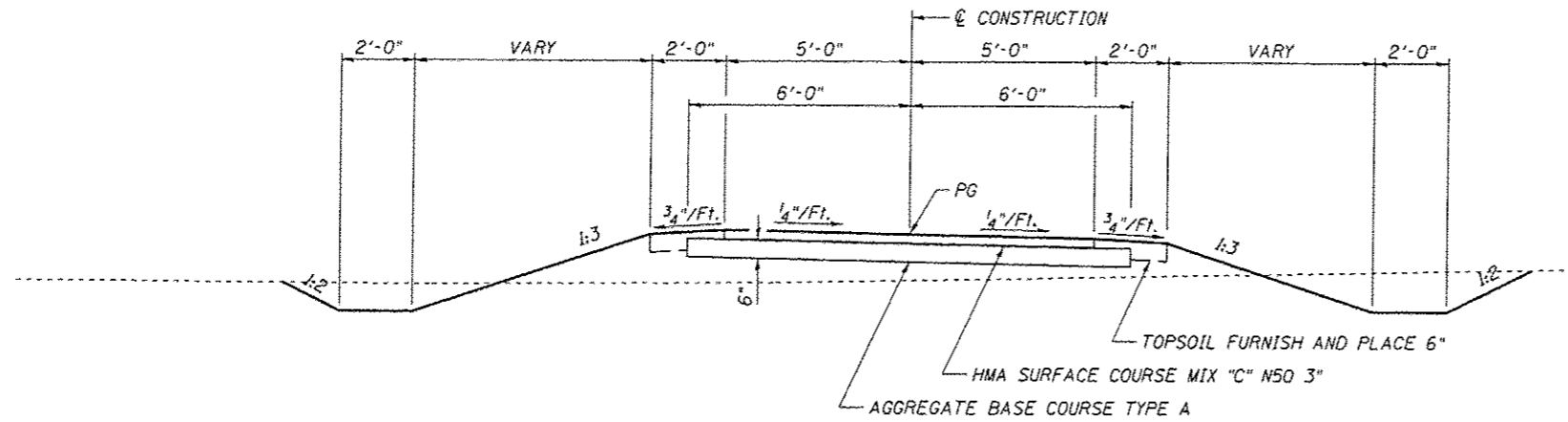
**⑧ PROPOSED CONNECTOR TRAIL TYPICAL CROSS SECTION**  
**FILL SECTION**  
STA 10+12.00 TO STA 11+13.37



FILL SECTION-CONSTRUCT AS SHOWN  
ON STATION CROSS SECTIONS

FILL SECTION-CONSTRUCT AS SHOWN  
ON STATION CROSS SECTIONS

**⑦ PROPOSED SANGAMON VALLEY TRAIL TYPICAL CROSS SECTION**  
**WIDENED EMBANKMENT**  
STA 1223+73.66 TO STA 1256+00  
LT STA 1291+00 TO STA 1294+50  
STA 1296+50 TO STA 1298+00  
LT STA 1311+50 TO STA 1320+80  
STA 1320+80 TO STA 1325+00  
STA 1340+60 TO STA 1342+68.09  
LT STA 1354+00.08 TO STA 1371+00

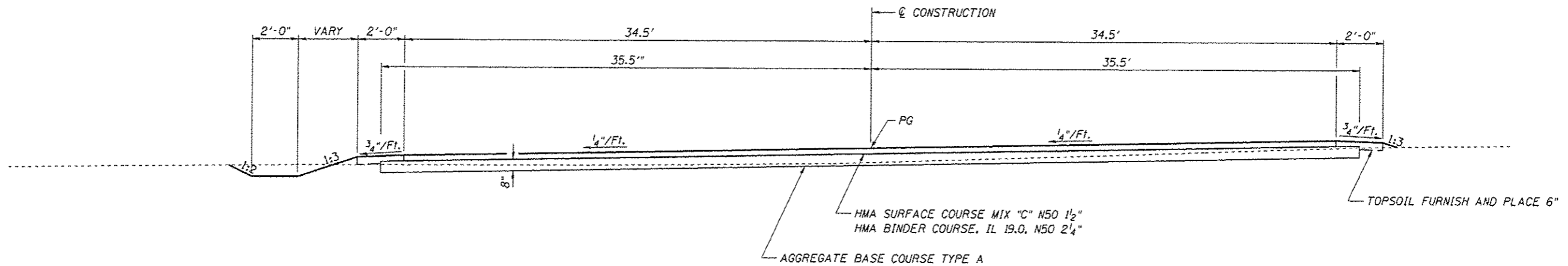


CUT SECTION-CONSTRUCT AS SHOWN  
ON STATION CROSS SECTIONS

CUT SECTION-CONSTRUCT AS SHOWN  
ON STATION CROSS SECTIONS

**⑩ PROPOSED CONNECTOR TRAIL TYPICAL CROSS SECTION**

STA 11+88.28 TO STA 17+64.55



CUT SECTION-CONSTRUCT AS SHOWN  
ON STATION CROSS SECTIONS

FILL SECTION-CONSTRUCT AS SHOWN  
ON STATION CROSS SECTIONS

**⑨ PROPOSED PARKING LOT TYPICAL CROSS SECTION**

STA 11+13.37 TO STA 11+88.28

SEEDING

LOCATION	SEEDING, CLASS 2 (SPECIAL)	TEMP EROSION CONTROL SEEDING
	ACRE	POUND
SANGAMON VALLEY TRAIL		
LT STA 1207+50 TO STA 1219+50	0.56	56.00
LT STA 1219+50 TO STA 1221+22	0.06	6.00
LT STA 1221+42 TO STA 1234+50	0.46	46.00
LT STA 1234+50 TO STA 1241+17	0.27	27.00
LT STA 1241+37 TO STA 1249+50	0.25	25.00
LT STA 1249+50 TO STA 1264+50	0.45	45.00
LT STA 1264+50 TO STA 1279+50	0.30	30.00
LT STA 1279+50 TO STA 1284+34	0.10	10.00
LT STA 1284+66 TO STA 1294+50	0.16	16.00
LT STA 1294+50 TO STA 1304+09	0.22	22.00
LT STA 1304+29 TO STA 1309+50	0.09	9.00
LT STA 1309+50 TO STA 1311+37	0.03	3.00
LT STA 1311+47 TO STA 1320+88	0.27	27.00
LT STA 1320+99 TO STA 1324+50	0.04	4.00
LT STA 1324+50 TO STA 1329+42	0.05	5.00
LT STA 1329+62 TO STA 1333+87	0.06	6.00
LT STA 1334+07 TO STA 1339+50	0.07	7.00
LT STA 1339+50 TO STA 1342+80	0.08	8.00
LT STA 1354+01 TO STA 1369+50	0.49	49.00
LT STA 1369+50 TO STA 1384+50	0.18	18.00
LT STA 1384+50 TO STA 1389+34	0.04	4.00
LT STA 1389+38 TO STA 1390+41	0.01	1.00
LT STA 1390+94 TO STA 1391+95	0.01	1.00
LT STA 1391+99 TO STA 1399+50	0.08	8.00
LT STA 1399+50 TO STA 1414+50	0.21	21.00
LT STA 1414+50 TO STA 1429+50	0.27	27.00
LT STA 1429+50 TO STA 1433+64	0.14	14.00
LT STA 1433+80 TO STA 1444+50	0.22	22.00
LT STA 1444+50 TO STA 1446+50	0.04	4.00
LT STA 1449+50 TO STA 1459+50	0.10	10.00
LT STA 1459+50 TO STA 1460+38	0.01	1.00
LT STA 1460+54 TO STA 1468+85	0.07	7.00
LT STA 1469+45 TO STA 1474+50	0.14	14.00
LT STA 1474+50 TO STA 1489+50	0.40	40.00
LT STA 1489+50 TO STA 1504+50	0.44	44.00
LT STA 1504+50 TO STA 1519+50	0.48	48.00
LT STA 1519+50 TO STA 1523+19	0.12	12.00
RT STA 1207+50 TO STA 1219+50	0.39	39.00
RT STA 1219+50 TO STA 1221+21	0.08	8.00
RT STA 1221+36 TO STA 1234+50	0.38	38.00
RT STA 1234+50 TO STA 1241+09	0.22	22.00
RT STA 1241+29 TO STA 1249+50	0.31	31.00
RT STA 1249+50 TO STA 1264+50	0.32	32.00
RT STA 1264+50 TO STA 1279+50	0.13	13.00
RT STA 1279+50 TO STA 1284+27	0.17	17.00
RT STA 1284+47 TO STA 1294+50	0.12	12.00
RT STA 1294+50 TO STA 1304+15	0.14	14.00
RT STA 1304+24 TO STA 1309+50	0.07	7.00
RT STA 1309+50 TO STA 1311+27	0.03	3.00
RT STA 1311+37 TO STA 1320+86	0.23	23.00
RT STA 1320+98 TO STA 1324+50	0.04	4.00

CONTINUED

LOCATION	SEEDING, CLASS 2 (SPECIAL)	TEMP EROSION CONTROL SEEDING
	ACRE	POUND
RT STA 1324+50 TO STA 1329+48	0.04	4.00
RT STA 1329+60 TO STA 1334+01	0.07	7.00
RT STA 1334+10 TO STA 1339+50	0.08	8.00
RT STA 1339+50 TO STA 1342+80	0.04	4.00
RT STA 1354+01 TO STA 1369+50	0.07	7.00
RT STA 1369+50 TO STA 1384+50	0.14	14.00
RT STA 1384+50 TO STA 1390+41	0.08	8.00
RT STA 1390+94 TO STA 1399+50	0.09	9.00
RT STA 1399+50 TO STA 1414+50	0.16	16.00
RT STA 1414+50 TO STA 1429+50	0.32	32.00
RT STA 1429+50 TO STA 1433+64	0.11	11.00
RT STA 1433+80 TO STA 1444+50	0.16	16.00
RT STA 1444+50 TO STA 1446+50	0.06	6.00
RT STA 1449+50 TO STA 1459+50	0.15	15.00
RT STA 1459+50 TO STA 1460+38	0.01	1.00
RT STA 1460+53 TO STA 1468+86	0.10	10.00
RT STA 1469+01 TO STA 1474+50	0.12	12.00
RT STA 1474+50 TO STA 1489+50	0.38	38.00
RT STA 1489+50 TO STA 1504+50	0.63	63.00
RT STA 1504+50 TO STA 1519+50	0.52	52.00
RT STA 1519+50 TO STA 1523+19	0.12	12.00
CONNECTOR		
LT STA 10+12 TO STA 17+65	0.27	27.00
RT STA 10+12 TO STA 10+42	0.01	1.00
RT STA 10+76 TO STA 17+65	0.22	22.00
TOTAL	13.55	1,355.00

EROSION CONTROL BLANKET

LOCATION	SQ YD
SANGAMON VALLEY TRAIL	
LT STA 1207+50 TO STA 1211+57	524
LT STA 1277+50 TO STA 1279+50	140
LT STA 1307+30 TO STA 1307+75	43
LT STA 1310+40 TO STA 1310+90	45
LT STA 1335+00 TO STA 1336+29	49
LT STA 1388+00 TO STA 1389+00	54
LT STA 1430+92 TO STA 1433+64	269
LT STA 1433+80 TO STA 1437+50	280
LT STA 1438+20 TO STA 1440+00	140
LT STA 1445+50 TO STA 1446+49	68
LT STA 1449+50 TO STA 1450+25	35
RT STA 1207+50 TO STA 1212+72	898
RT STA 1292+50 TO STA 1296+50	376
RT STA 1310+40 TO STA 1310+90	40
RT STA 1319+50 TO STA 1320+56	56
RT STA 1354+00 TO STA 1356+00	154
RT STA 1374+00 TO STA 1378+00	119
RT STA 1388+00 TO STA 1389+64	165
RT STA 1430+76 TO STA 1431+21	62
RT STA 1462+00 TO STA 1463+00	20
RT STA 1486+00 TO STA 1510+00	2,942
TOTAL	6,477

TEMPORARY DITCH CHECKS

LOCATION	FOOT
SANGAMON VALLEY TRAIL	
LT STA 1207+50	8
LT STA 1209+00	8
LT STA 1211+00	8
LT STA 1281+00	8
LT STA 1307+34	8
LT STA 1316+00	8
LT STA 1320+00	8
LT STA 1423+00	8
LT STA 1426+00	8
LT STA 1437+00	8
LT STA 1470+00	8
LT STA 1474+00	8
LT STA 1478+00	8
LT STA 1482+00	8
LT STA 1492+00	8
LT STA 1496+00	8
LT STA 1500+00	8
LT STA 1504+00	8
LT STA 1508+00	8
LT STA 1512+00	8
LT STA 1516+00	8
RT STA 1207+50	8
RT STA 1209+00	8
RT STA 1211+00	8
RT STA 1224+50	8
RT STA 1279+00	8
RT STA 1307+34	8
RT STA 1315+00	8
RT STA 1319+00	8
RT STA 1388+61	8
RT STA 1424+00	8
RT STA 1426+00	8
RT STA 1438+00	8
RT STA 1470+00	8
RT STA 1474+00	8
RT STA 1478+00	8
RT STA 1486+00	8
RT STA 1492+00	8
RT STA 1496+00	8
RT STA 1500+00	8
RT STA 1504+00	8
RT STA 1508+00	8
RT STA 1512+00	8
RT STA 1516+00	8
CONNECTOR	
LT STA 15+20	8
RT STA 15+20	8
TOTAL	368

PERIMETER EROSION BARRIER

LOCATION	FOOT
SANGAMON VALLEY TRAIL	
LT STA 1211+00 TO STA 1221+22	1,022
LT STA 1221+42 TO STA 1241+17	1,975
LT STA 1241+37 TO STA 1281+10	3,973
LT STA 1284+66 TO STA 1304+09	1,943
LT STA 1304+29 TO STA 1307+00	271
LT STA 1307+33 TO STA 1311+37	404
LT STA 1320+00 TO STA 1320+88	88
LT STA 1320+99 TO STA 1329+42	843
LT STA 1329+62 TO STA 1333+87	425
LT STA 1334+07 TO STA 1342+80	873
LT STA 1354+00 TO STA 1389+34	3,534
LT STA 1389+38 TO STA 1390+41	103
LT STA 1390+94 TO STA 1391+95	101
LT STA 1391+99 TO STA 1423+00	3,101
LT STA 1438+00 TO STA 1446+50	850
LT STA 1449+50 TO STA 1460+35	1,085
LT STA 1460+55 TO STA 1468+72	817
RT STA 1212+70 TO STA 1221+18	848
RT STA 1221+38 TO STA 1224+50	312
RT STA 1225+57 TO STA 1240+75	1,518
RT STA 1241+08 TO STA 1279+00	3,792
RT STA 1282+70 TO STA 1284+27	157
RT STA 1284+66 TO STA 1304+08	1,942
RT STA 1304+29 TO STA 1307+00	271
RT STA 1307+33 TO STA 1311+26	393
RT STA 1319+00 TO STA 1320+86	186
RT STA 1320+97 TO STA 1329+42	845
RT STA 1329+62 TO STA 1333+95	433
RT STA 1334+15 TO STA 1342+80	865
RT STA 1354+00 TO STA 1388+56	3,456
RT STA 1388+86 TO STA 1390+41	155
RT STA 1390+94 TO STA 1424+00	3,306
RT STA 1437+00 TO STA 1446+50	950
RT STA 1449+50 TO STA 1460+35	1,085
RT STA 1460+55 TO STA 1468+72	817
TOTAL	42,739

INLET AND PIPE PROTECTION

LOCATION	EACH
SANGAMON VALLEY TRAIL	
LT STA 1284+66	1
LT STA 1389+61	1
LT STA 1391+69	1
LT STA 1392+54	1
LT STA 1431+10	1
LT STA 1433+99	1
LT STA 1469+08	1
LT STA 1469+58	1
RT STA 1284+66	1
RT STA 1431+10	1
RT STA 1433+99	1
TOTAL	11



JOB : 227B  
 FILE NAME : 227B-sht-schedules.dgn  
 PLOT SCALE : 20,0000 ' / IN.  
 PLOT DATE : 3/24/2016

DESIGNED - NAK  
 DRAWN - SJS  
 CHECKED - NAK  
 DATE - 1/7/2014

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

SANGAMON VALLEY TRAIL

SCHEDULES OF QUANTITIES

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

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	10-00173-02-BT	SANGAMON	157	13
CONTRACT NO. 93687				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

AGGREGATE SURFACE COURSE, TYPE B

LOCATION	THICKNESS	QUANTITY
	INCH	TON
LT STA 1221+27	6	12.67
LT STA 1241+13	6	18.24
LT STA 1304+19	6	10.07
LT STA 1311+30	6	11.31
LT STA 1320+88	6	10.06
LT STA 1329+53	6	9.96
LT STA 1334+05	6	10.25
LT STA 1389+00	6	14.99
LT STA 1392+15	6	9.29
LT STA 1433+72	6	11.41
LT STA 1460+45	6	13.10
LT STA 1468+93	6	13.10
RT STA 1221+27	6	17.72
RT STA 1241+13	6	15.53
RT STA 1304+19	6	10.11
RT STA 1311+30	6	10.11
RT STA 1320+88	6	10.07
RT STA 1329+53	6	10.13
RT STA 1334+05	6	10.24
RT STA 1433+72	6	13.10
RT STA 1460+45	6	13.10
RT STA 1468+93	6	13.10
<b>TOTAL</b>		<b>254.99</b>

BITUMINOUS MATERIALS (PRIME COAT)

LOCATION	RATE	QUANTITY
	LB/SQ FT	POUND
<b>MAIN TRAIL</b>		
STA 1207+50.00 TO STA 1284+25.07	0.25	20,147.06
STA 1285+56.10 TO STA 1342+88.09	0.25	15,046.47
STA 1354+00.06 TO STA 1390+21.65	0.25	9,506.67
STA 1390+22.36 TO STA 1390+41.13	0.25	49.27
STA 1390+93.37 TO STA 1446+49.67	0.25	14,585.29
STA 1449+50.33 TO STA 1523+13.80	0.25	19,329.11
<b>REST AREAS</b>		
LT STA 1342+00.00	0.25	100.00
LT STA 1355+00.00	0.25	100.00
<b>CONNECTOR TRAIL</b>		
STA 10+66.00 TO STA 10+76.00	0.25	26.25
STA 10+76.00 TO STA 17+32.30	0.25	1,722.79
STA 17+32.30 TO STA 17+47.30	0.25	39.38
<b>TOTAL</b>		<b>80,652.29</b>

HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50

LOCATION	THICKNESS	QUANTITY
	INCH	TON
<b>PARKING LOT</b>		
STA 10+00.00 TO STA 10+66.00	2.25	63.77
<b>PARKING LOT ENTRANCE</b>		
LT STA 10+54.09	2.25	19.82
<b>TOTAL</b>		<b>83.59</b>

HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50

LOCATION	THICKNESS	QUANTITY
	INCH	TON
<b>MAIN TRAIL</b>		
STA 1207+50.00 TO STA 1284+25.07	3	1,432.68
STA 1285+56.10 TO STA 1342+88.09	3	1,069.97
STA 1354+00.06 TO STA 1390+21.65	3	676.03
STA 1390+22.36 TO STA 1390+41.13	3	3.50
STA 1390+93.37 TO STA 1446+49.67	3	1,037.18
STA 1449+50.33 TO STA 1523+13.80	3	1,374.51
<b>REST AREAS</b>		
LT STA 1342+00.00	3	7.47
LT STA 1355+00.00	3	7.47
<b>PARKING LOT</b>		
STA 10+00.00 TO STA 10+66.00	1.5	42.51
<b>PARKING LOT ENTRANCE</b>		
LT STA 10+54.09	1.5	13.21
<b>CONNECTOR TRAIL</b>		
STA 10+66.00 TO STA 10+76.00	3	2.67
STA 10+76.00 TO STA 17+32.30	3	122.51
STA 17+32.30 TO STA 17+47.30	3	4.60
<b>TOTAL</b>		<b>5,794.31</b>

AGGREGATE BASE COURSE, TYPE A

LOCATION	THICKNESS	QUANTITY
	INCH	TON
<b>MAIN TRAIL</b>		
STA 1207+50.00 TO STA 1284+25.07	8	4,661.89
STA 1285+56.10 TO STA 1342+88.09	8	3,481.65
STA 1354+00.06 TO STA 1390+21.65	8	2,199.78
STA 1390+22.36 TO STA 1390+41.13	8	11.40
STA 1390+93.37 TO STA 1446+49.67	8	3,374.94
STA 1449+50.33 TO STA 1523+13.80	8	4,472.63
<b>REST AREAS</b>		
LT STA 1342+00.00	6	17.47
LT STA 1355+00.00	6	17.47
<b>PARKING LOT</b>		
STA 10+00.00 TO STA 10+66.00	8	241.62
<b>PARKING LOT ENTRANCE</b>		
LT STA 10+54.09	8	77.66
<b>CONNECTOR TRAIL</b>		
STA 10+66.00 TO STA 10+76.00	6	6.56
STA 10+76.00 TO STA 17+32.30	6	298.98
STA 17+32.30 TO STA 17+47.30	6	11.09
<b>TOTAL</b>		<b>18,873.14</b>

EARTHWORK

LOCATION	EXCAVATION	EXCAVATION ADJUSTED FOR SHRINKAGE	EMBANKMENT	EARTHWORK BALANCE WASTE ( ) OR SHORTAGE ( - )
	CU YD	CU YD	CU YD	CU YD
<b>SANGAMON VALLEY TRAIL</b>				
STA 1207+50 TO STA 1219+50	2,684	2,015	1,175	840
STA 1219+50 TO STA 1234+50	116	90	1,354	-1,264
STA 1234+50 TO STA 1249+50	188	145	1,396	-1,251
STA 1249+50 TO STA 1264+50	469	355	1,139	-784
STA 1264+50 TO STA 1279+50	744	560	195	365
STA 1279+50 TO STA 1284+30	301	230	50	180
STA 1284+51 TO STA 1294+50	406	305	281	24
STA 1294+50 TO STA 1309+50	943	710	403	307
STA 1309+50 TO STA 1324+50	787	595	385	210
STA 1324+50 TO STA 1339+50	581	440	125	315
STA 1339+50 TO STA 1342+89	52	40	71	-31
STA 1354+00 TO STA 1354+50	1	5	21	-16
STA 1354+50 TO STA 1369+50	1,122	845	424	421
STA 1369+50 TO STA 1384+50	960	720	110	610
STA 1384+50 TO STA 1390+41	211	160	165	-5
STA 1390+94 TO STA 1399+50	652	490	15	475
STA 1399+50 TO STA 1414+50	1,173	880	100	780
STA 1414+50 TO STA 1429+50	1,309	985	206	779
STA 1429+50 TO STA 1444+50	411	310	394	-84
STA 1444+50 TO STA 1446+50	40	30	55	-25
STA 1449+50 TO STA 1459+50	716	540	10	530
STA 1459+50 TO STA 1474+50	1,045	785	26	759
STA 1474+50 TO STA 1489+50	673	505	130	375
STA 1489+50 TO STA 1504+50	1,133	850	105	745
STA 1504+50 TO STA 1519+50	1,161	875	158	717
STA 1519+50 TO STA 1523+19	242	185	76	109
<b>CONNECTOR TRAIL/PARKING LOT</b>				
STA 10+12 TO STA 17+50	1,161	875	53	822
<b>TOTAL</b>	<b>19,281</b>	<b>14,525</b>	<b>8,622</b>	<b>5,903</b>

DETECTABLE WARNINGS

LOCATION	QUANTITY SQ FT
<b>MAIN TRAIL</b>	
STA 1284+30.07	33
STA 1285+51.10	32
STA 1523+18.80	32
<b>TOTAL</b>	<b>97</b>

PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH

LOCATION	QUANTITY SQ FT
<b>MAIN TRAIL</b>	
STA 1284+25.07 TO STA 1284+30.07	77.56
STA 1285+51.10 TO STA 1285+56.10	75.91
STA 1523+13.80 TO STA 1523+18.80	75.00
<b>TOTAL</b>	<b>228.47</b>



JOB # 2278  
 FILE NAME = 2278-ahs-schedules.dgn  
 PLOT SCALE = 28,0000' / IN.  
 PLOT DATE = 3/24/2016

DESIGNED - NAK  
 DRAWN - SJS  
 CHECKED - NAK  
 DATE - 1/7/2014

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

SANGAMON VALLEY TRAIL

SCHEDULES OF QUANTITIES

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

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	10-00173-02-BT	SANGAMON	157	14
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 93687	

PAINT PAVEMENT MARKING - LETTERS AND SYMBOLS

LOCATION	TYPE	QUANTITY SQ FT
MAIN TRAIL		
STA 1283+74.00	HWY XING	18.8
STA 1286+06.00	HWY XING	18.8
STA 1522+83.00	HWY XING	18.8
PARKING LOT		
LT STA 10+60.50	HANDICAP SYMBOL	4.6
TOTAL		61.0

PAINT PAVEMENT MARKING - LINE 4"

LOCATION	TYPE	QUANTITY FOOT
MAIN TRAIL		
STA 1283+74.00 TO STA 1284+37.00	SOLID YELLOW	73
STA 1285+56.00 TO STA 1286+19.00	SOLID YELLOW	73
STA 1522+70.00 TO STA 1523+13.00	SOLID YELLOW	73
PARKING LOT		
LT STA 10+01.40 TO STA 10+64.40	WHITE PARKING SPACE LINES	63
LT STA 10+46.40 TO STA 10+55.40	WHITE DIAGONALS	92
TOTAL		374

PAINT PAVEMENT MARKING - LINE 24"

LOCATION	TYPE	QUANTITY FOOT
MAIN TRAIL		
STA 1284+24.00	SOLID WHITE	5
STA 1285+56.00	SOLID WHITE	5
STA 1523+13.00	SOLID WHITE	5
CONNECTOR TRAIL		
LT STA 17+30.00	SOLID WHITE	5
TOTAL		20

CONCRETE PARKING BLOCKS

LOCATION	QUANTITY EACH
PARKING LOT	
LT STA 10+01.40 TO STA 10+64.40	15
TOTAL	
15	

TIMBER BICYCLE RAILING

LOCATION	QUANTITY FOOT
MAIN TRAIL	
LT STA 1277+50.00 TO STA 1279+50.00	200
LT STA 1294+50.00 TO STA 1296+50.00	200
LT STA 1300+50.00 TO STA 1302+50.00	200
LT STA 1307+15.00 TO STA 1308+15.00	100
LT STA 1310+40.00 TO STA 1311+00.00	60
LT STA 1334+50.00 TO STA 1340+60.00	610
LT STA 1388+00.00 TO STA 1388+86.00	86
LT STA 1419+56.00 TO STA 1420+46.00	90
LT STA 1421+96.00 TO STA 1422+96.00	100
LT STA 1438+50.00 TO STA 1440+50.00	200
LT STA 1462+25.00 TO STA 1464+50.00	225
RT STA 1277+50.00 TO STA 1279+50.00	
RT STA 1292+50.00 TO STA 1296+50.00	400
RT STA 1300+50.00 TO STA 1301+50.00	100
RT STA 1307+15.00 TO STA 1308+15.00	100
RT STA 1310+40.00 TO STA 1311+00.00	60
RT STA 1319+60.00 TO STA 1320+80.00	120
RT STA 1327+03.00 TO STA 1328+03.00	100
RT STA 1334+50.00 TO STA 1336+30.00	180
RT STA 1354+20.00 TO STA 1377+50.00	2,330
RT STA 1388+00.00 TO STA 1389+44.00	144
RT STA 1419+46.00 TO STA 1420+46.00	100
RT STA 1421+96.00 TO STA 1422+96.00	100
RT STA 1439+25.00 TO STA 1440+50.00	125
RT STA 1462+25.00 TO STA 1464+50.00	225
TOTAL	
6,355	

BOLLARDS

LOCATION	QUANTITY EACH
MAIN TRAIL	
STA 1284+17.00	2
STA 1285+63.00	2
STA 1523+13.00	2
TOTAL	
6	

BOLLARDS QUICK RELEASE

LOCATION	QUANTITY EACH
MAIN TRAIL	
STA 1284+17.00	1
STA 1285+63.00	1
STA 1523+13.00	1
TOTAL	
3	

TIMBER BRIDGE APPROACH RAILING

LOCATION	QUANTITY FOOT
MAIN TRAIL	
LT STA 1342+68.09 TO STA 1342+88.09	20
LT STA 1354+00.06 TO STA 1354+20.06	20
LT STA 1446+29.67 TO STA 1446+49.67	20
LT STA 1449+50.33 TO STA 1450+10.10	60
RT STA 1342+68.09 TO STA 1342+88.09	
RT STA 1354+00.06 TO STA 1354+20.06	20
RT STA 1446+29.67 TO STA 1446+49.67	20
RT STA 1449+50.33 TO STA 1450+10.10	60
TOTAL	
240	

PIPE CULVERTS, CLASS D, TYPE 1 15"

LOCATION	QUANTITY FOOT
LT STA 1430+63.00	74
LT STA 1433+72.00	26
RT STA 1430+63.00	74
RT STA 1433+72.00	26
TOTAL	
200	

PIPE CULVERTS, CLASS D, TYPE 1 18"

LOCATION	QUANTITY FOOT
LT STA 1468+93.00	26
LT STA 1469+38.00	24
RT STA 1468+94.00	28
TOTAL	
78	

END SECTIONS 18"

LOCATION	QUANTITY EACH
LT STA 1469+38.00	2
TOTAL	
2	

SIGNS

LOCATION	SIGN PANEL TYPE 1	TELESCOPING STEEL SIGN SUPPORT	SIGN TYPE	SIZE
	SQ FT	FOOT		
<b>SANGAMON VALLEY TRAIL</b>				
LT STA 1207+00.00	1.25	13.00	← STUART PARK	30" X 6"
LT STA 1221+07.00	4.00	14.50	NO MOTOR VEHICLES R5-3	24" X 24"
LT STA 1221+19.00	6.25	15.00	R1-1 STOP	30" X 30"
	3.00		PRIVATE DRIVE USE PROHIBITED	24" X 18"
RT STA 1221+41.00	6.25	15.00	R1-1 STOP	30" X 30"
	3.75		PRIVATE DRIVE USE PROHIBITED	30" X 18"
RT STA 1221+52.00	4.00	14.50	NO MOTOR VEHICLES R5-3	24" X 24"
LT STA 1232+79.00	0.44	13.17	6	8" X 8"
LT STA 1240+97.00	4.00	14.50	NO MOTOR VEHICLES R5-3	24" X 24"
LT STA 1241+09.00	6.25	15.00	R1-1 STOP	30" X 30"
	3.75		PRIVATE DRIVE USE PROHIBITED	30" X 18"
RT STA 1241+33.00	6.25	15.00	R1-1 STOP	30" X 30"
	3.75		PRIVATE DRIVE USE PROHIBITED	30" X 18"
RT STA 1241+41.00	4.00	14.50	NO MOTOR VEHICLES R5-3	24" X 24"
LT STA 1284+11.00	4.00	14.50	NO MOTOR VEHICLES R5-3	24" X 24"
RT STA 1284+18.00	2.25	14.00	R1-1 STOP	18" X 18"
LT STA 1284+63.00	2.25	14.00	R1-1 STOP	18" X 18"
RT STA 1284+71.00	4.00	14.50	NO MOTOR VEHICLES R5-3	24" X 24"
LT STA 1285+59.00	0.44	13.17	7	8" X 8"
LT STA 1304+01.00	4.00	14.50	NO MOTOR VEHICLES R5-3	24" X 24"
LT STA 1304+12.00	6.25	15.00	R1-1 STOP	30" X 30"
	3.75		PRIVATE DRIVE USE PROHIBITED	30" X 18"
RT STA 1304+31.00	6.25	15.00	R1-1 STOP	30" X 30"
	3.75		PRIVATE DRIVE USE PROHIBITED	30" X 18"
RT STA 1304+43.00	4.00	14.50	NO MOTOR VEHICLES R5-3	24" X 24"
LT STA 1311+15.00	4.00	14.50	NO MOTOR VEHICLES R5-3	24" X 24"
LT STA 1311+26.00	6.25	15.00	R1-1 STOP	30" X 30"
	3.75		PRIVATE DRIVE USE PROHIBITED	30" X 18"
RT STA 1311+43.00	6.25	15.00	R1-1 STOP	30" X 30"
	3.75		PRIVATE DRIVE USE PROHIBITED	30" X 18"
RT STA 1311+56.00	4.00	14.50	NO MOTOR VEHICLES R5-3	24" X 24"
LT STA 1320+63.00	4.00	14.50	NO MOTOR VEHICLES R5-3	24" X 24"
LT STA 1320+83.00	6.25	15.00	R1-1 STOP	30" X 30"
	3.75		PRIVATE DRIVE USE PROHIBITED	30" X 18"
RT STA 1321+02.00	6.25	15.00	R1-1 STOP	30" X 30"
	3.75		PRIVATE DRIVE USE PROHIBITED	30" X 18"
RT STA 1321+20.00	4.00	14.50	NO MOTOR VEHICLES R5-3	24" X 24"
LT STA 1329+26.00	4.00	14.50	NO MOTOR VEHICLES R5-3	24" X 24"
LT STA 1329+43.00	6.25	15.00	R1-1 STOP	30" X 30"
	3.75		PRIVATE DRIVE USE PROHIBITED	30" X 18"
RT STA 1329+64.00	6.25	15.00	R1-1 STOP	30" X 30"
	3.75		PRIVATE DRIVE USE PROHIBITED	30" X 18"
RT STA 1329+82.00	4.00	14.50	NO MOTOR VEHICLES R5-3	24" X 24"
LT STA 1333+71.00	4.00	14.50	NO MOTOR VEHICLES R5-3	24" X 24"
LT STA 1333+90.00	6.25	15.00	R1-1 STOP	30" X 30"
	3.75		PRIVATE DRIVE USE PROHIBITED	30" X 18"
RT STA 1334+14.00	6.25	15.00	R1-1 STOP	30" X 30"
	3.75		PRIVATE DRIVE USE PROHIBITED	30" X 18"
RT STA 1334+28.00	4.00	14.50	NO MOTOR VEHICLES R5-3	24" X 24"
LT STA 1338+39.00	0.44	13.17	8	8" X 8"
RT STA 1342+67.00	5.00	15.00	WEIGHT LIMIT 5 TONS R12-1	24" X 30"
LT STA 1354+23.00	5.00	15.00	WEIGHT LIMIT 5 TONS R12-1	24" X 30"
LT STA 1391+35.00	0.44	13.17	9	8" X 8"
LT STA 1433+47.00	4.00	14.50	NO MOTOR VEHICLES R5-3	24" X 24"
LT STA 1433+60.00	6.25	15.00	R1-1 STOP	30" X 30"
	3.75		PRIVATE DRIVE USE PROHIBITED	30" X 18"

LOCATION	SIGN PANEL TYPE 1	TELESCOPING STEEL SIGN SUPPORT	SIGN TYPE	SIZE
	SQ FT	FOOT		
RT STA 1433+84.00	6.25	15.00	R1-1 STOP	30" X 30"
	3.75		PRIVATE DRIVE USE PROHIBITED	30" X 18"
RT STA 1433+97.00	4.00	14.50	NO MOTOR VEHICLES R5-3	24" X 24"
LT STA 1443+99.00	0.44	13.17	10	8" X 8"
RT STA 1445+88.00	5.00	15.00	WEIGHT LIMIT 5 TONS R12-1	24" X 30"
LT STA 1450+13.00	5.00	15.00	WEIGHT LIMIT 5 TONS R12-1	24" X 30"
LT STA 1460+23.00	4.00	14.50	NO MOTOR VEHICLES R5-3	24" X 24"
LT STA 1460+34.00	6.25	15.00	R1-1 STOP	30" X 30"
	3.75		PRIVATE DRIVE USE PROHIBITED	30" X 18"
RT STA 1460+57.00	6.25	15.00	R1-1 STOP	30" X 30"
	3.75		PRIVATE DRIVE USE PROHIBITED	30" X 18"
RT STA 1460+69.00	4.00	14.50	NO MOTOR VEHICLES R5-3	24" X 24"
LT STA 1468+71.00	4.00	14.50	NO MOTOR VEHICLES R5-3	24" X 24"
LT STA 1468+81.00	6.25	15.00	R1-1 STOP	30" X 30"
	3.75		PRIVATE DRIVE USE PROHIBITED	30" X 18"
RT STA 1469+06.00	6.25	15.00	R1-1 STOP	30" X 30"
	3.75		PRIVATE DRIVE USE PROHIBITED	30" X 18"
RT STA 1469+16.00	4.00	14.50	NO MOTOR VEHICLES R5-3	24" X 24"
LT STA 1469+26.00	2.25	14.00	R1-1 STOP	18" X 18"
LT STA 1469+43.00	3.00	13.50	STUART PARK →	36" X 12"
			← IRWIN BRIDGE RD	
LT STA 1496+79.00	0.44	13.17	11	8" X 8"
RT STA 1522+18.00	3.33	14.00	BIKE ROUTE D11-1, END M4-12	24" X 18" 12" X 4"
RT STA 1523+06.00	2.25	14.00	STOP R1-1	18" X 18"
LT STA 1523+06.00	4.00	14.50	NO MOTOR VEHICLES R5-3	24" X 24"
<b>STUART PARK CONNECTOR</b>				
RT STA 6000+00.00	1.50	**	IRWIN BRIDGE RD →	36" X 6"
<b>GREEN VALLEY RD</b>				
RT STA 6+82.00	4.00	16.50	BICYCLE SYMBOL W11-1	24" X 24"
RT STA 6+82.00	2.00		300 FT W16-2aP	24" X 12"
RT STA 9+82.00	3.75	16.75	BIKE ROUTE D11-1,	24" X 18"
			DOUBLE ARROW M7-5	
LT STA 10+20.00	3.75	16.75	BIKE ROUTE D11-1,	24" X 18"
			DOUBLE ARROW M7-5	
LT STA 13+20.00	4.00	16.50	BICYCLE SYMBOL W11-1	24" X 24"
LT STA 13+20.00	2.00		300 FT W16-2aP	24" X 12"
<b>IRWIN BRIDGE RD</b>				
RT STA 298+79.00	4.00	16.50	BICYCLE SYMBOL W11-1	24" X 24"
RT STA 298+79.00	2.00		300 FT W16-2aP	24" X 12"
RT STA 301+79.00	6.00	16.75	BIKE ROUTE D11-1,	24" X 18"
			RIGHT ARROW M7-1	
LT STA 302+20.00	3.75	16.75	BIKE ROUTE D11-1,	24" X 18"
			LEFT ARROW M7-1	
LT STA 305+20.00	4.00	16.50	BICYCLE SYMBOL W11-1	24" X 24"
LT STA 305+20.00	2.00		300 FT W16-2aP	24" X 12"
<b>CONNECTOR TRAIL</b>				
LT STA 17+30.00	2.25	13.00	STOP R1-1	18" X 18"
<b>PARKING LOT</b>				
LT STA 10+55.00	2.75	16.25	HANDICAP PARKING R7-8	18" X 18"
			\$250 FINE R7-1 101	
TOTAL	376.97	1018.25		

\*\* ATTACH TO EXISTING SIGN POST



JOB = 2278	DESIGNED - NAK	REVISED -
FILE NAME = 2278-shs-schedules.dgn	DRAWN - SJS	REVISED -
PLOT SCALE = 20.0000' / IN.	CHECKED - NAK	REVISED -
PLOT DATE = 3/24/2016	DATE = 1/7/2014	REVISED -

SANGAMON VALLEY TRAIL

SCHEDULES OF QUANTITIES

SCALE:	SHEET NO.	OF	SHEETS	STA.	TO	STA.
F.A.S. RTE. SECTION COUNTY TOTAL SHEETS SHEET NO. 10-00173-02-BT SANGAMON 157 16 FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT CONTRACT NO. 93687						



TOPSOIL FURNISH AND PLACE, 6"

LOCATION	WIDTH FOOT	QUANTITY SQ YD
LT STA 1207+50.0 TO STA 1221+19.6	2' TO 2'	304.36
LT STA 1221+41.7 TO STA 1241+09.8	2' TO 2'	437.36
LT STA 1241+32.0 TO STA 1277+34.0	2' TO 2'	800.44
LT STA 1277+34.0 TO STA 1277+40.0	2' TO 3'	1.67
LT STA 1277+40.0 TO STA 1279+60.0	3' TO 3'	73.33
LT STA 1279+60.0 TO STA 1279+66.0	3' TO 2'	1.67
LT STA 1279+60.0 TO STA 1284+33.3	2' TO 2'	105.18
LT STA 1284+52.9 TO STA 1294+34.0	2' TO 2'	218.02
LT STA 1294+34.0 TO STA 1294+40.0	2' TO 3'	1.67
LT STA 1294+40.0 TO STA 1296+60.0	3' TO 3'	73.33
LT STA 1296+60.0 TO STA 1296+66.0	3' TO 2'	1.67
LT STA 1296+66.0 TO STA 1300+34.0	2' TO 2'	81.78
LT STA 1300+34.0 TO STA 1300+40.0	2' TO 3'	1.67
LT STA 1300+40.0 TO STA 1302+60.0	3' TO 3'	73.33
LT STA 1302+60.0 TO STA 1302+66.0	3' TO 2'	1.67
LT STA 1302+66.0 TO STA 1304+13.2	2' TO 2'	32.71
LT STA 1304+31.2 TO STA 1306+99.0	2' TO 2'	59.51
LT STA 1306+99.0 TO STA 1307+05.0	2' TO 3'	1.67
LT STA 1307+05.0 TO STA 1308+25.0	3' TO 3'	40.00
LT STA 1308+25.0 TO STA 1308+31.0	3' TO 2'	1.67
LT STA 1308+31.0 TO STA 1310+24.0	2' TO 2'	42.89
LT STA 1310+24.0 TO STA 1310+30.0	2' TO 3'	1.67
LT STA 1310+30.0 TO STA 1311+10.0	3' TO 3'	26.67
LT STA 1311+10.0 TO STA 1311+16.0	3' TO 2'	1.67
LT STA 1311+16.0 TO STA 1311+26.5	2' TO 2'	2.33
LT STA 1311+44.9 TO STA 1320+83.8	2' TO 2'	208.64
LT STA 1321+01.7 TO STA 1329+43.9	2' TO 2'	187.16
LT STA 1329+61.9 TO STA 1333+91.6	2' TO 2'	95.49
LT STA 1334+10.0 TO STA 1334+34.0	2' TO 2'	5.33
LT STA 1334+34.0 TO STA 1334+40.0	2' TO 3'	1.67
LT STA 1334+40.0 TO STA 1340+00.0	3' TO 3'	186.67
LT STA 1340+00.0 TO STA 1342+89.5	3' TO 15.4'	280.27
LT STA 1354+00.0 TO STA 1357+00.0	13.5' TO 2'	239.28
LT STA 1357+00.0 TO STA 1387+84.0	2' TO 2'	685.33
LT STA 1387+84.0 TO STA 1388+86.0	3' TO 2'	28.33
LT STA 1389+18.6 TO STA 1390+41.1	2' TO 2'	27.22
LT STA 1390+93.4 TO STA 1392+04.0	2' TO 2'	24.58
LT STA 1392+26.0 TO STA 1419+30.0	2' TO 2'	600.89
LT STA 1419+30.0 TO STA 1419+36.0	2' TO 3'	1.67
LT STA 1419+36.0 TO STA 1420+56.0	3' TO 3'	40.00
<b>SUBTOTAL</b>		<b>5,000.47</b>

TOPSOIL FURNISH AND PLACE, 6" (CONTINUED)

LOCATION	WIDTH FOOT	QUANTITY SQ YD
LT STA 1420+62.0 TO STA 1421+80.0	2' TO 2'	26.22
LT STA 1421+80.0 TO STA 1421+86.0	2' TO 3'	1.67
LT STA 1421+86.0 TO STA 1423+06.0	3' TO 3'	40.00
LT STA 1423+06.0 TO STA 1423+12.0	3' TO 2'	1.67
LT STA 1423+12.0 TO STA 1433+61.0	2' TO 2'	233.11
LT STA 1433+83.0 TO STA 1438+34.0	2' TO 2'	100.22
LT STA 1438+34.0 TO STA 1438+40.0	2' TO 3'	1.67
LT STA 1438+40.0 TO STA 1440+60.0	3' TO 3'	73.33
LT STA 1440+60.0 TO STA 1440+66.0	3' TO 2'	1.67
LT STA 1440+66.0 TO STA 1445+73.0	2' TO 2'	112.67
LT STA 1445+73.0 TO STA 1445+79.0	2' TO 3'	1.67
LT STA 1445+79.0 TO STA 1446+49.7	3' TO 3'	23.57
LT STA 1449+50.4 TO STA 1450+10.0	3' TO 3'	19.87
LT STA 1450+10.0 TO STA 1450+16.0	3' TO 2'	1.67
LT STA 1450+16.0 TO STA 1460+34.8	2' TO 2'	226.40
LT STA 1460+56.8 TO STA 1462+09.0	2' TO 2'	33.82
LT STA 1462+09.0 TO STA 1462+15.0	2' TO 3'	1.67
LT STA 1462+15.0 TO STA 1464+60.0	3' TO 3'	81.67
LT STA 1464+60.0 TO STA 1464+66.0	3' TO 2'	1.67
LT STA 1464+60.0 TO STA 1468+82.2	2' TO 2'	93.82
LT STA 1469+04.0 TO STA 1469+18.1	2' TO 2'	3.13
LT STA 1469+58.1 TO STA 1523+18.8	2' TO 2'	1,191.27
RT STA 1207+50.0 TO STA 1221+17.7	2' TO 2'	303.93
RT STA 1221+39.8 TO STA 1241+05.5	2' TO 2'	436.82
RT STA 1241+28.7 TO STA 1277+34.0	2' TO 2'	801.18
RT STA 1277+34.0 TO STA 1277+40.0	2' TO 3'	1.67
RT STA 1277+40.0 TO STA 1279+60.0	3' TO 3'	73.33
RT STA 1279+60.0 TO STA 1279+66.0	3' TO 2'	1.67
RT STA 1279+66.0 TO STA 1284+27.2	2' TO 2'	102.49
RT STA 1284+46.5 TO STA 1292+34.0	2' TO 2'	175.00
RT STA 1292+34.0 TO STA 1292+40.0	2' TO 3'	1.67
RT STA 1292+40.0 TO STA 1292+60.0	3' TO 3'	6.67
RT STA 1292+60.0 TO STA 1292+66.0	3' TO 2'	1.67
RT STA 1292+66.0 TO STA 1300+34.0	2' TO 2'	170.67
RT STA 1300+34.0 TO STA 1300+40.0	2' TO 3'	1.67
RT STA 1300+40.0 TO STA 1301+60.0	3' TO 3'	40.00
RT STA 1301+60.0 TO STA 1301+66.0	3' TO 2'	1.67
RT STA 1301+66.0 TO STA 1304+12.2	2' TO 2'	54.71
RT STA 1304+30.0 TO STA 1306+99.0	2' TO 2'	59.78
RT STA 1306+99.0 TO STA 1307+05.0	2' TO 3'	1.67
<b>SUBTOTAL</b>		<b>4,508.73</b>

TOPSOIL FURNISH AND PLACE, 6" (CONTINUED)

LOCATION	WIDTH FOOT	QUANTITY SQ YD
RT STA 1307+05.0 TO STA 1308+25.0	3' TO 3'	40.00
RT STA 1308+25.0 TO STA 1308+31.0	3' TO 2'	1.67
RT STA 1308+31.0 TO STA 1310+24.0	2' TO 2'	42.89
RT STA 1310+24.0 TO STA 1310+30.0	2' TO 3'	1.67
RT STA 1310+30.0 TO STA 1311+10.0	3' TO 3'	26.67
RT STA 1311+10.0 TO STA 1311+16.0	3' TO 2'	1.67
RT STA 1311+16.0 TO STA 1311+24.5	2' TO 2'	1.89
RT STA 1311+42.6 TO STA 1319+44.0	2' TO 2'	178.09
RT STA 1319+44.0 TO STA 1319+50.0	2' TO 3'	1.67
RT STA 1319+50.0 TO STA 1320+70.2	3' TO 3'	40.07
RT STA 1320+70.2 TO STA 1320+86.1	3' TO 7'	8.76
RT STA 1321+01.3 TO STA 1326+87.0	2' TO 2'	130.16
RT STA 1326+87.0 TO STA 1326+93.0	2' TO 3'	1.67
RT STA 1326+93.0 TO STA 1328+13.0	3' TO 3'	40.00
RT STA 1328+13.0 TO STA 1328+19.0	3' TO 2'	1.67
RT STA 1328+19.0 TO STA 1329+44.1	2' TO 2'	27.80
RT STA 1329+62.4 TO STA 1333+94.4	2' TO 2'	96.00
RT STA 1334+12.8 TO STA 1334+34.0	2' TO 2'	4.71
RT STA 1334+34.0 TO STA 1334+40.0	2' TO 3'	1.67
RT STA 1334+40.0 TO STA 1336+40.0	3' TO 3'	66.67
RT STA 1336+40.0 TO STA 1336+46.0	3' TO 2'	1.67
RT STA 1336+46.0 TO STA 1342+53.0	2' TO 2'	134.89
RT STA 1342+53.0 TO STA 1342+59.0	2' TO 3'	1.67
RT STA 1342+59.0 TO STA 1342+89.5	3' TO 3'	10.17
RT STA 1353+99.7 TO STA 1377+60.0	3' TO 3'	786.77
RT STA 1377+60.0 TO STA 1377+66.0	3' TO 2'	1.67
RT STA 1377+66.0 TO STA 1387+84.0	2' TO 2'	226.22
RT STA 1387+84.0 TO STA 1387+90.0	2' TO 3'	1.67
RT STA 1387+90.0 TO STA 1389+54.0	3' TO 3'	54.67
RT STA 1389+54.0 TO STA 1389+60.0	3' TO 2'	1.67
RT STA 1389+60.0 TO STA 1390+41.1	2' TO 2'	18.02
RT STA 1394+93.3 TO STA 1419+30.0	2' TO 2'	541.49
RT STA 1419+30.0 TO STA 1419+36.0	2' TO 3'	1.67
RT STA 1419+36.0 TO STA 1420+56.0	3' TO 3'	40.00
RT STA 1420+56.0 TO STA 1420+62.0	3' TO 2'	1.67
RT STA 1420+62.0 TO STA 1421+80.0	2' TO 2'	26.22
RT STA 1421+80.0 TO STA 1421+86.0	2' TO 3'	1.67
RT STA 1421+86.0 TO STA 1423+06.0	3' TO 3'	40.00
RT STA 1423+06.0 TO STA 1423+12.0	3' TO 2'	1.67
RT STA 1423+12.0 TO STA 1433+61.0	2' TO 2'	233.11
<b>SUBTOTAL</b>		<b>2,841.99</b>

CONTINUED NEXT SHEET



JOB : 2278	DESIGNED - NAK	REVISED -
FILE NAME : 2278-shs-schedule.dgn	DRAWN - SJS	REVISED -
PLOT SCALE : 20,0000 ' / IN.	CHECKED - NAK	REVISED -
PLOT DATE : 3/24/2016	DATE - 1/7/2014	REVISED -

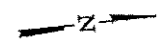
SANGAMON VALLEY TRAIL

SCHEDULES OF QUANTITIES

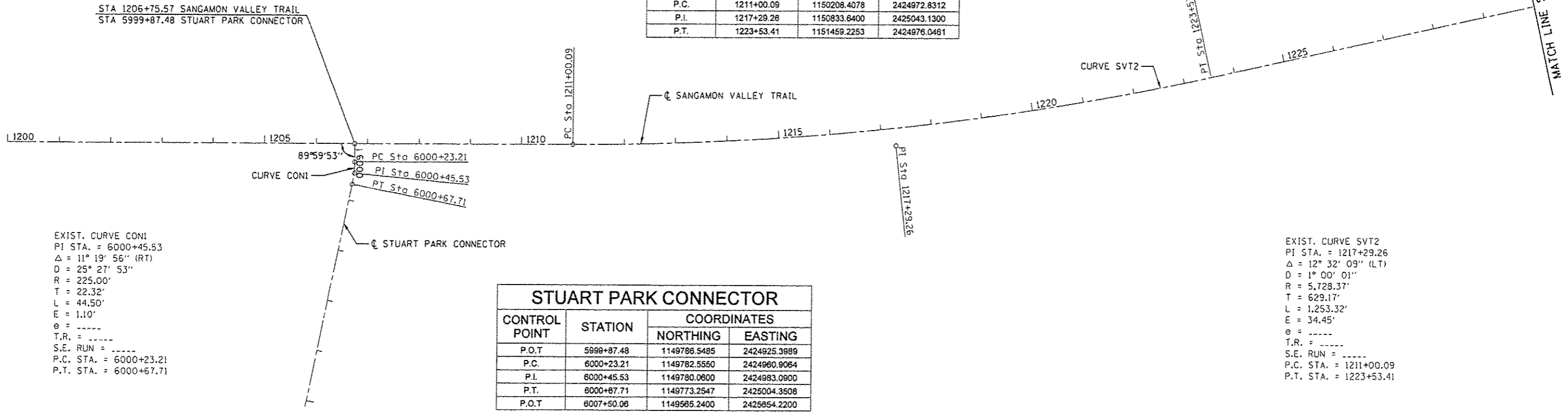
SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	10-00173-02-BT	SANGAMON	157	17
CONTRACT NO. 93687			FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT	





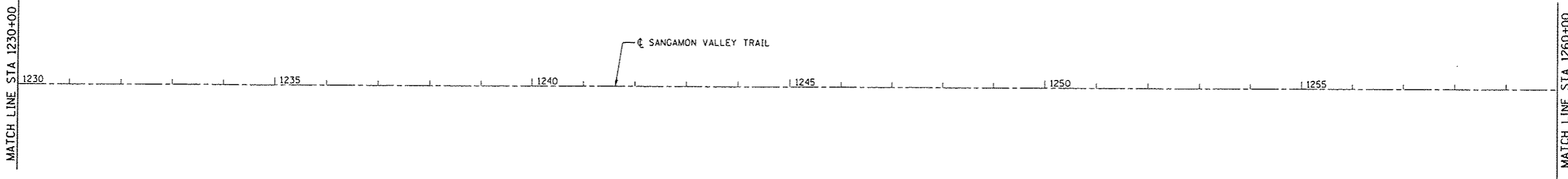
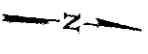
SANGAMON VALLEY TRAIL			
CONTROL POINT	STATION	COORDINATES	
		NORTHING	EASTING
P.O.T	1206+75.57	1149788.5485	2424925.3989
P.C.	1211+00.09	1150208.4078	2424972.8312
P.I.	1217+29.26	1150833.6400	2425043.1300
P.T.	1223+53.41	1151459.2253	2424976.0461



EXIST. CURVE CONI  
 PI STA. = 6000+45.53  
 $\Delta = 11^\circ 19' 56''$  (RT)  
 $D = 25^\circ 27' 53''$   
 $R = 225.00'$   
 $T = 22.32'$   
 $L = 44.50'$   
 $E = 1.10'$   
 $\theta = \text{-----}$   
 $T.R. = \text{-----}$   
 $S.E. RUN = \text{-----}$   
 P.C. STA. = 6000+23.21  
 P.T. STA. = 6000+67.71

STUART PARK CONNECTOR			
CONTROL POINT	STATION	COORDINATES	
		NORTHING	EASTING
P.O.T	5999+87.48	1149786.5485	2424925.3989
P.C.	6000+23.21	1149782.5550	2424960.9064
P.I.	6000+45.53	1149780.0600	2424983.0900
P.T.	6000+67.71	1149773.2547	2425004.3508
P.O.T	6007+50.06	1149585.2400	2425854.2200

EXIST. CURVE SVT2  
 PI STA. = 1217+29.26  
 $\Delta = 12^\circ 32' 09''$  (LT)  
 $D = 1^\circ 00' 01''$   
 $R = 5,728.37'$   
 $T = 629.17'$   
 $L = 1,253.32'$   
 $E = 34.45'$   
 $\theta = \text{-----}$   
 $T.R. = \text{-----}$   
 $S.E. RUN = \text{-----}$   
 P.C. STA. = 1211+00.09  
 P.T. STA. = 1223+53.41

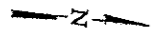


JOB # 2278	DESIGNED - NAK	REVISED -
FILE NAME : 2278-shs-align.dgn	DRAWN - SJS	REVISED -
PLOT SCALE : 200.0000' / IN.	CHECKED - NAK	REVISED -
PLOT DATE : 3/24/2016	DATE - 1/7/2014	REVISED -

**SANGAMON VALLEY TRAIL**

ALIGNMENT		SCALE:	SHEET NO. 1 OF 6 SHEETS	STA.	TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	10-00173-02-BT	SANGAMON	157	19
CONTRACT NO. 93687				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



GREEN VALLEY RD			
CONTROL POINT	STATION	COORDINATES	
		NORTHING	EASTING
P.O.T	5+00.00	1157521.6600	2423828.0800
P.C.	10+01.81	1157512.3840	2424329.8008
P.I.	10+59.91	1157511.3100	2424387.8900
P.T.	10+95.87	1157453.3240	2424391.5138
P.C.	11+51.00	1157398.1002	2424394.9645
P.I.	12+32.06	1157317.2000	2424400.0200
P.T.	12+78.86	1157321.3204	2424480.9732
P.O.T	15+26.92	1157333.9300	2424728.7100

MATCH LINE STA 1260+00

1260

1265

1270

1275

1280

1285

MATCH LINE STA 1290+00

☐ SANGAMON VALLEY TRAIL

☐ GREEN VALLEY RD

STA 1284+41.07 SANGAMON VALLEY TRAIL  
STA 10+01.07 GREEN VALLEY RD

97°09'36"

PC Sta 10+01.81

PT Sta 12+78.86

PC Sta 11+51.00

PI Sta 10+59.91

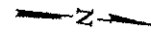
PI Sta 10+59.91

CURVE GVRD 1

CURVE GVRD 2

EXIST. CURVE GVRD1  
PI STA. = 10+59.91  
Δ = 85° 21' 54" (RT)  
D = 90° 56' 44"  
R = 63.00'  
T = 58.10'  
L = 93.86'  
E = 22.70'  
θ = -----  
T.R. = -----  
S.E. RUN = -----  
P.C. STA. = 10+01.81  
P.T. STA. = 10+95.67

EXIST. CURVE GVRD2  
PI STA. = 12+32.06  
Δ = 89° 20' 17" (LT)  
D = 69° 52' 22"  
R = 82.00'  
T = 81.06'  
L = 127.86'  
E = 33.30'  
θ = -----  
T.R. = -----  
S.E. RUN = -----  
P.C. STA. = 11+51.00  
P.T. STA. = 12+78.86



MATCH LINE STA 1290+00

1290

1295

1300

1305

1310

1315

MATCH LINE STA 1320+00

☐ SANGAMON VALLEY TRAIL

PC Sta 1318+45.64

**SANGAMON VALLEY TRAIL**

CONTROL POINT	STATION	COORDINATES	
		NORTHING	EASTING
P.C.	1318+45.64	1160897.6838	2423987.2400



JOB # 2278	DESIGNED - NAK	REVISED -
FILE NAME = 2278-shc-align.dgn	DRAWN - SJS	REVISED -
PLOT SCALE = 200.0000' = 1" IN.	CHECKED - NAK	REVISED -
PLOT DATE = 3/24/2016	DATE - 1/7/2014	REVISED -

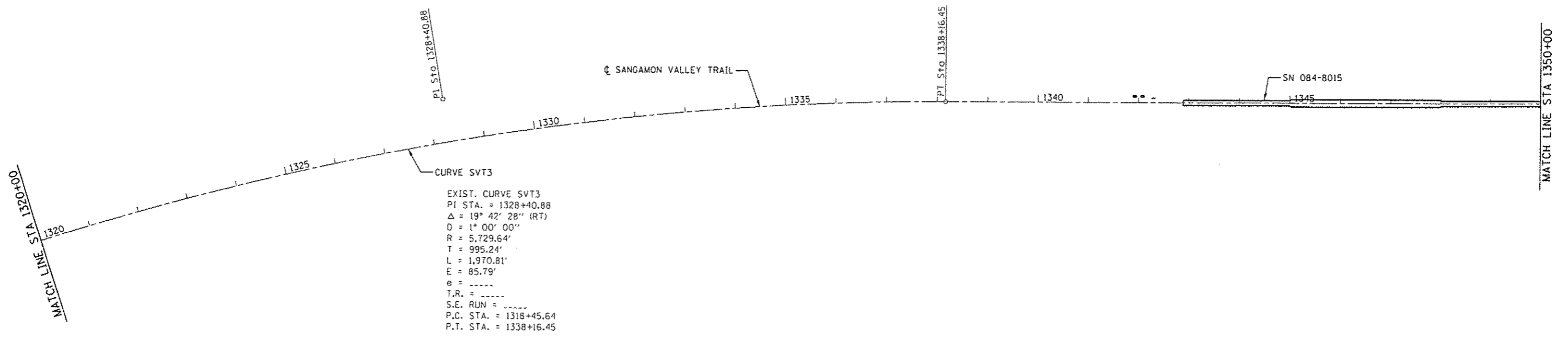
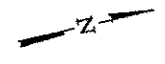
**SANGAMON VALLEY TRAIL**

**ALIGNMENT**

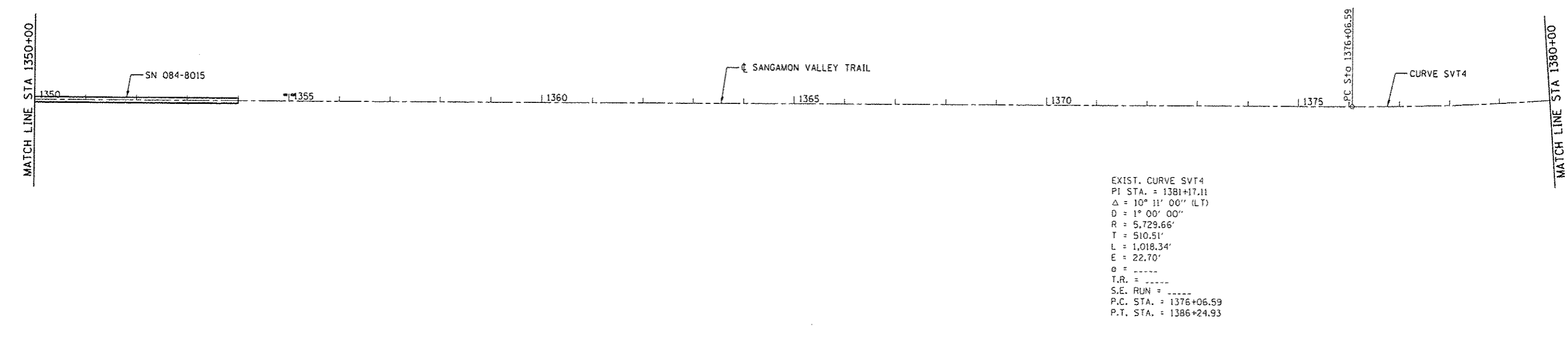
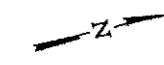
SCALE: SHEET NO. 2 OF 6 SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	10-00173-02-BT	SANGAMON	157	20
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 93687	

SANGAMON VALLEY TRAIL			
CONTROL POINT	STATION	COORDINATES	
		NORTHING	EASTING
P.I.	1328+40.88	1161887.2840	2423861.4690
P.T.	1338+16.45	1162854.5863	2424095.6117
P.C.	1376+06.59	1166538.3437	2424987.2927



EXIST. CURVE SVT3  
 PI STA. = 1328+40.88  
 $\Delta = 19^\circ 42' 28''$  (RT)  
 $D = 1^\circ 00' 00''$   
 $R = 5,729.64'$   
 $T = 995.24'$   
 $L = 1,970.81'$   
 $E = 85.79'$   
 $e = \text{-----}$   
 $T.R. = \text{-----}$   
 $S.E. RUN = \text{-----}$   
 P.C. STA. = 1318+45.64  
 P.T. STA. = 1338+16.45



EXIST. CURVE SVT4  
 PI STA. = 1381+17.11  
 $\Delta = 10^\circ 11' 00''$  (LT)  
 $D = 1^\circ 00' 00''$   
 $R = 5,729.66'$   
 $T = 510.51'$   
 $L = 1,018.34'$   
 $E = 22.70'$   
 $e = \text{-----}$   
 $T.R. = \text{-----}$   
 $S.E. RUN = \text{-----}$   
 P.C. STA. = 1376+06.59  
 P.T. STA. = 1386+24.93

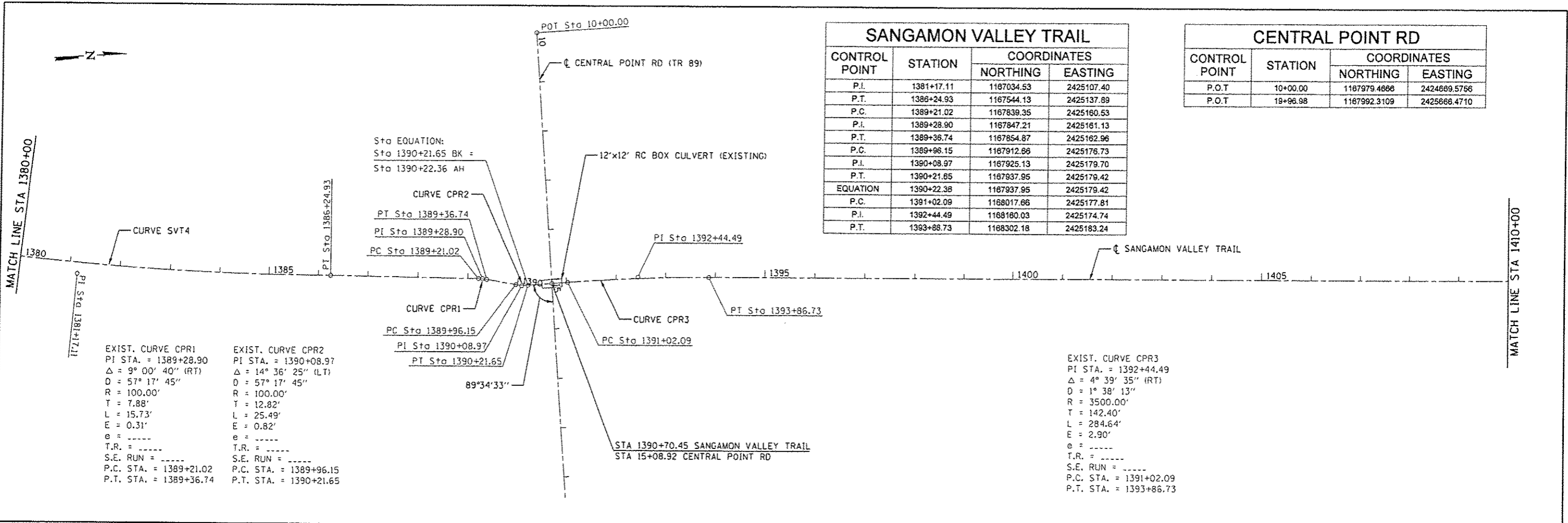


JOB # 2278	DESIGNED - NAK	REVISED -
FILE NAME = 2278-shs-nl-rgn-dgn	DRAWN - SJS	REVISED -
PLT SCALE = 200.0000' / IN.	CHECKED - NAK	REVISED -
PLT DATE = 3/24/2016	DATE - 1/7/2014	REVISED -

**SANGAMON VALLEY TRAIL**

ALIGNMENT	
SCALE:	TO STA.
SHEET NO. 3 OF 6 SHEETS	

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	10-00173-02-BT	SANGAMON	157	21
CONTRACT NO. 93667				
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				



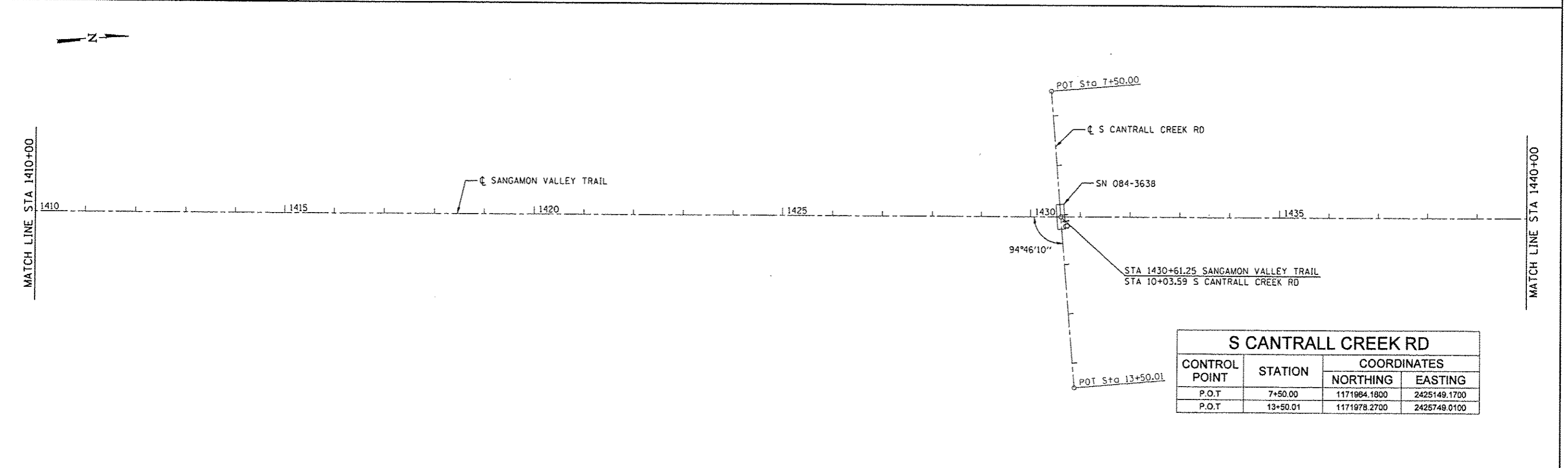
SANGAMON VALLEY TRAIL			
CONTROL POINT	STATION	COORDINATES	
		NORTHING	EASTING
P.I.	1381+17.11	1167034.53	2425107.40
P.T.	1386+24.93	1167544.13	2425137.89
P.C.	1389+21.02	1167839.35	2425160.53
P.I.	1389+28.90	1167847.21	2425161.13
P.T.	1389+36.74	1167854.87	2425162.96
P.C.	1389+96.15	1167912.66	2425176.73
P.I.	1390+08.97	1167925.13	2425179.70
P.T.	1390+21.65	1167937.95	2425179.42
EQUATION	1390+22.38	1167937.95	2425179.42
P.C.	1391+02.09	1168017.66	2425177.81
P.I.	1392+44.49	1168180.03	2425174.74
P.T.	1393+86.73	1168302.18	2425183.24

CENTRAL POINT RD			
CONTROL POINT	STATION	COORDINATES	
		NORTHING	EASTING
P.O.T	10+00.00	1167979.4868	2424689.5756
P.O.T	19+96.98	1167992.3109	2425668.4710

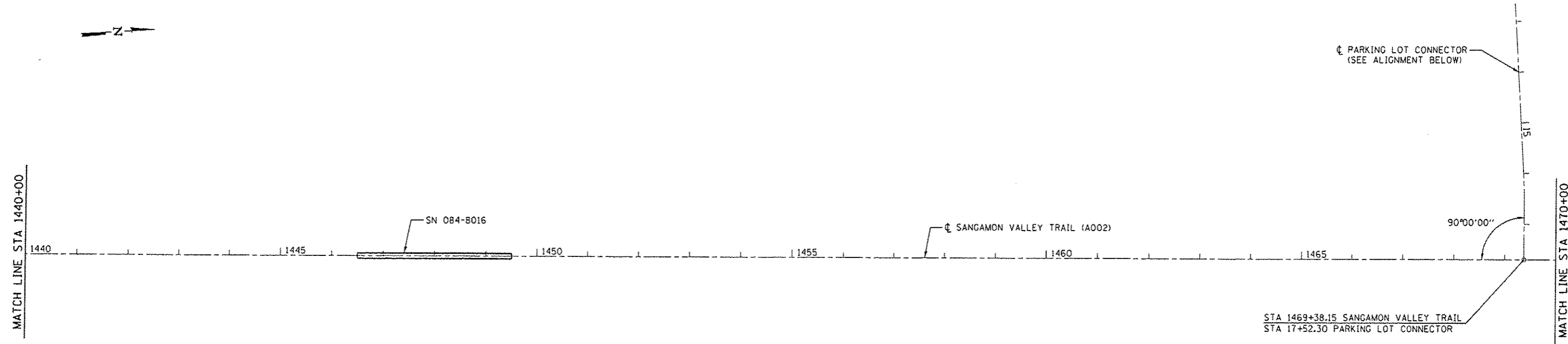
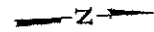
EXIST. CURVE CPR1  
 PI STA. = 1389+28.90  
 $\Delta = 9^\circ 00' 40''$  (RT)  
 $D = 57^\circ 17' 45''$   
 $R = 100.00'$   
 $T = 7.88'$   
 $L = 15.73'$   
 $E = 0.31'$   
 $e = \text{-----}$   
 $T.R. = \text{-----}$   
 $S.E. \text{ RUN} = \text{-----}$   
 P.C. STA. = 1389+21.02  
 P.T. STA. = 1389+36.74

EXIST. CURVE CPR2  
 PI STA. = 1390+08.97  
 $\Delta = 14^\circ 36' 25''$  (LT)  
 $D = 57^\circ 17' 45''$   
 $R = 100.00'$   
 $T = 12.82'$   
 $L = 25.49'$   
 $E = 0.82'$   
 $e = \text{-----}$   
 $T.R. = \text{-----}$   
 $S.E. \text{ RUN} = \text{-----}$   
 P.C. STA. = 1389+96.15  
 P.T. STA. = 1390+21.65

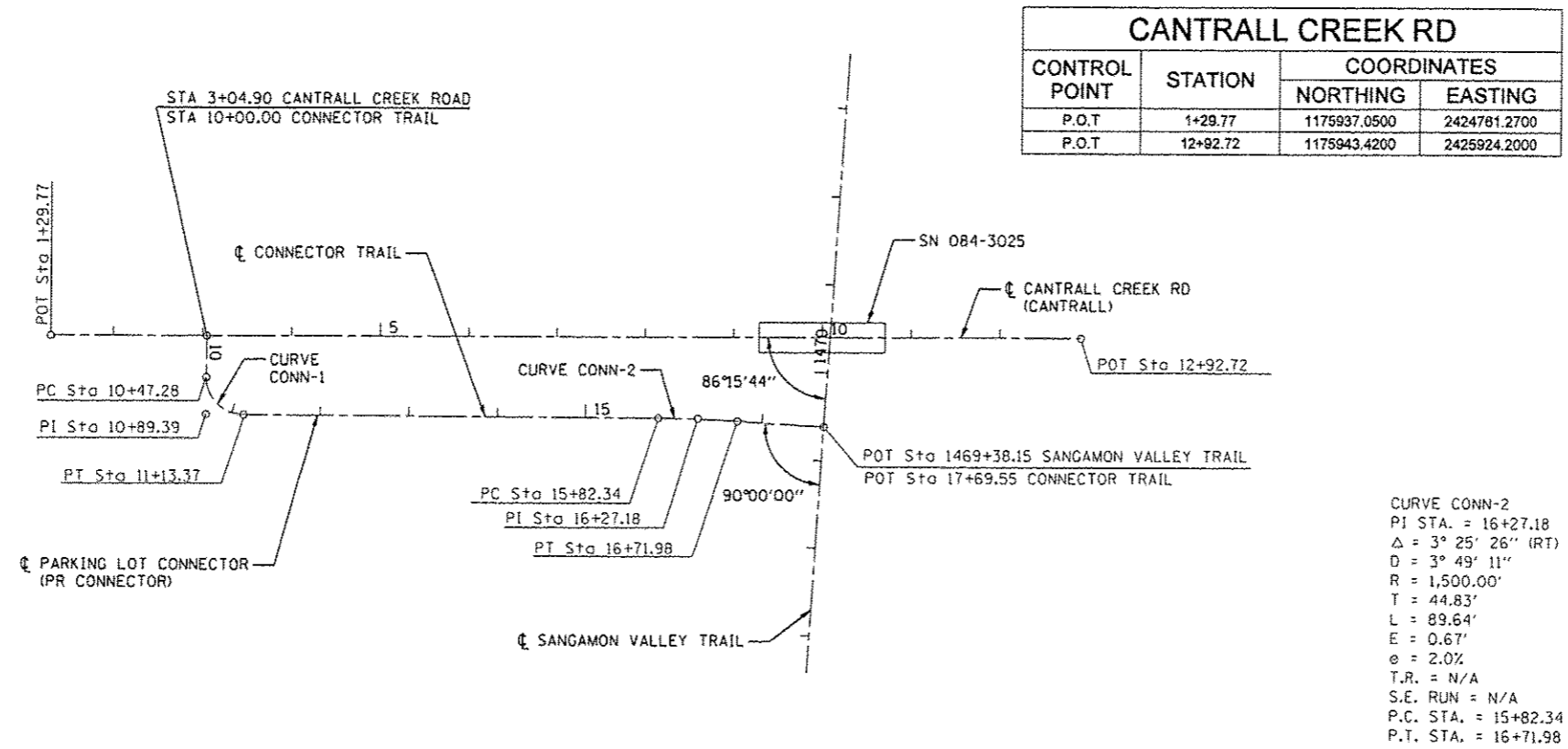
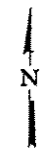
EXIST. CURVE CPR3  
 PI STA. = 1392+44.49  
 $\Delta = 4^\circ 39' 35''$  (RT)  
 $D = 1^\circ 38' 13''$   
 $R = 3500.00'$   
 $T = 142.40'$   
 $L = 284.64'$   
 $E = 2.90'$   
 $e = \text{-----}$   
 $T.R. = \text{-----}$   
 $S.E. \text{ RUN} = \text{-----}$   
 P.C. STA. = 1391+02.09  
 P.T. STA. = 1393+86.73



S CANTRALL CREEK RD			
CONTROL POINT	STATION	COORDINATES	
		NORTHING	EASTING
P.O.T	7+50.00	1171864.1800	2425149.1700
P.O.T	13+50.01	1171978.2700	2425749.0100



STA 1469+38.15 SANGAMON VALLEY TRAIL  
 STA 17+52.30 PARKING LOT CONNECTOR



CURVE CONN-1  
 PI STA. = 10+89.39  
 $\Delta = 90^\circ 09' 24''$  (LT)  
 D = 136' 25' 07"  
 R = 42.00'  
 T = 42.12'  
 L = 66.09'  
 E = 17.48'  
 $e = 2.0\%$   
 T.R. = N/A  
 S.E. RUN = N/A  
 P.C. STA. = 10+47.28  
 P.T. STA. = 11+13.37

CURVE CONN-2  
 PI STA. = 16+27.18  
 $\Delta = 3^\circ 25' 26''$  (RT)  
 D = 3° 49' 11"  
 R = 1,500.00'  
 T = 44.83'  
 L = 89.64'  
 E = 0.67'  
 $e = 2.0\%$   
 T.R. = N/A  
 S.E. RUN = N/A  
 P.C. STA. = 15+82.34  
 P.T. STA. = 16+71.98

CANTRALL CREEK RD			
CONTROL POINT	STATION	COORDINATES	
		NORTHING	EASTING
P.O.T	1+29.77	1175937.0500	2424781.2700
P.O.T	12+92.72	1175943.4200	2425924.2000

CONNECTOR TRAIL			
CONTROL POINT	STATION	COORDINATES	
		NORTHING	EASTING
P.O.T	10+00.00	1175938.01	2424938.40
P.C.	10+47.28	1175890.73	2424938.27
P.I.	10+89.39	1175848.82	2424938.15
P.T.	11+13.37	1175848.62	2424978.27
P.C.	15+82.34	1175848.82	2425447.25
P.I.	16+27.18	1175848.62	2425492.08
P.T.	16+71.98	1175845.94	2426538.83
P.O.T	17+69.55	1175840.11	2426634.23

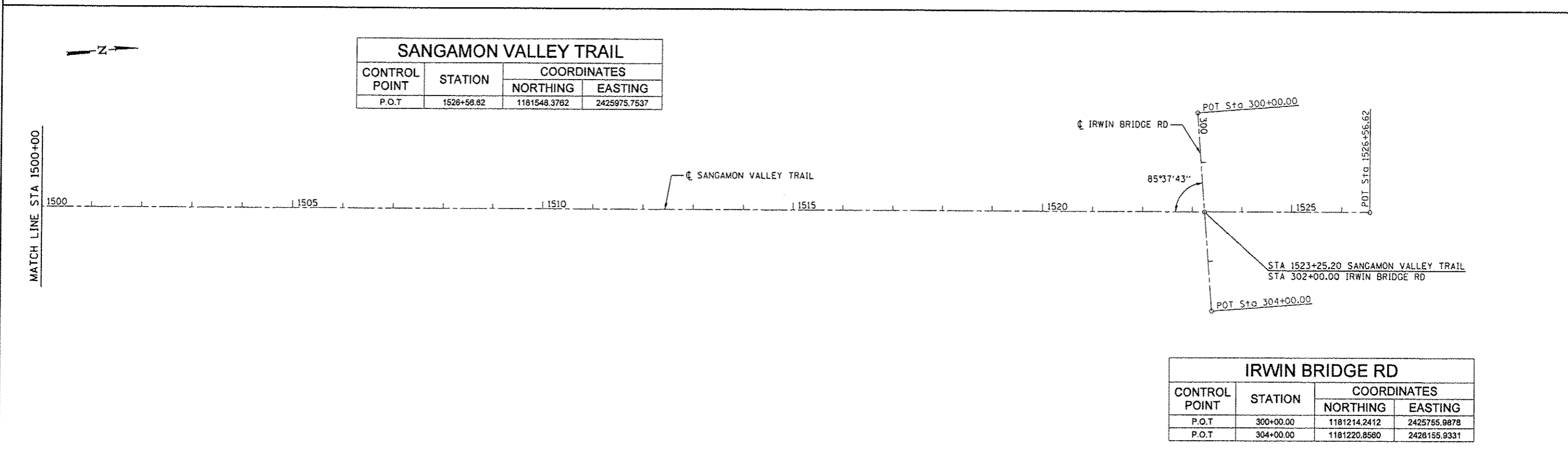
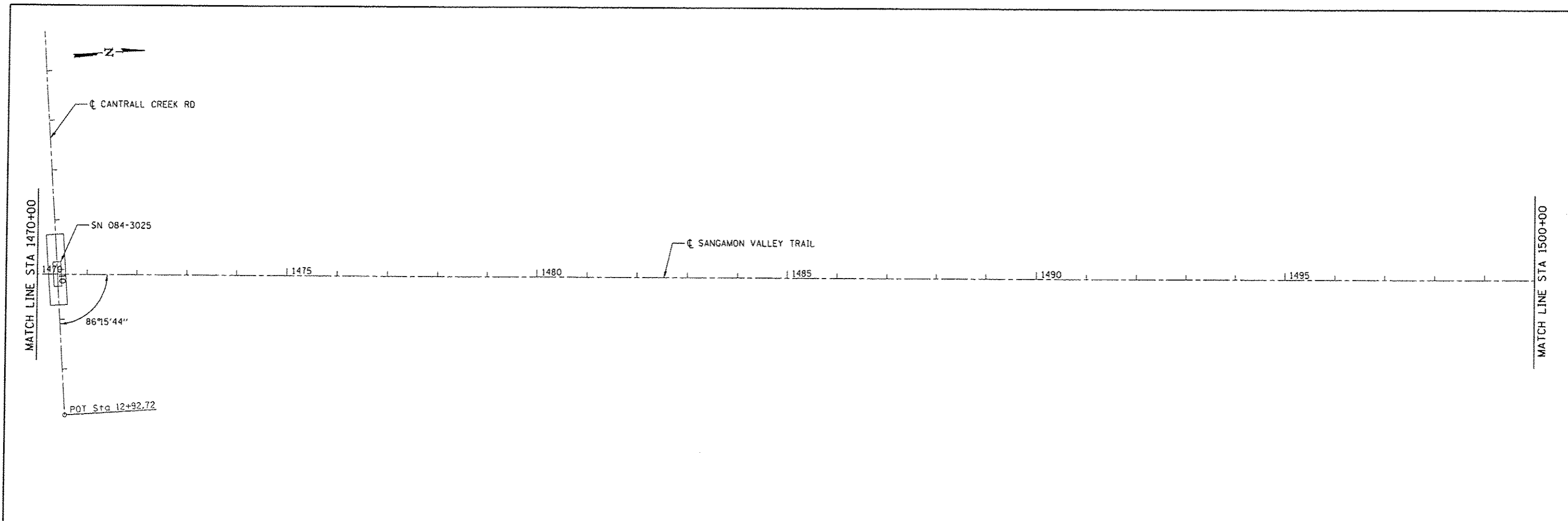


JOB : 2278	DESIGNED - NAK	REVISED -
FILE NAME : 2278-shr-align.dgn	DRAWN - SJS	REVISED -
PLDT SCALE : 200.0000 / / IN.	CHECKED - NAK	REVISED -
PLDT DATE : 3/24/2018	DATE - 1/7/2014	REVISED -

**SANGAMON VALLEY TRAIL**

SCALE:	SHEET NO. 5 OF 6 SHEETS	STA.	TO STA.
<b>ALIGNMENT</b>			

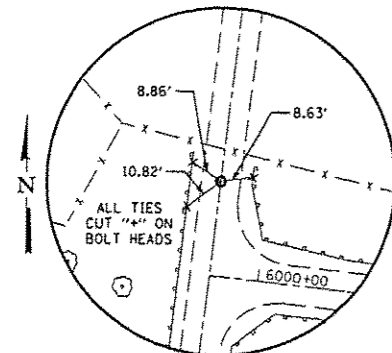
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	10-00173-02-BT	SANGAMON	157	23
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		CONTRACT NO. 93687



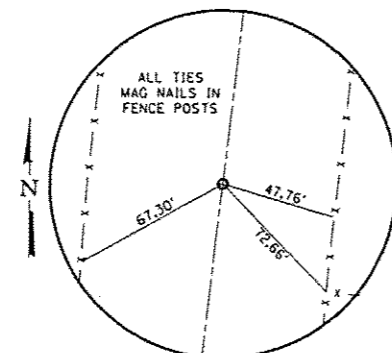
SANGAMON VALLEY TRAIL			
CONTROL POINT	STATION	COORDINATES	
		NORTHING	EASTING
P.O.T	1526+56.62	1181548.3762	2425975.7537

IRWIN BRIDGE RD			
CONTROL POINT	STATION	COORDINATES	
		NORTHING	EASTING
P.O.T	300+00.00	1181214.2412	2425755.9878
P.O.T	304+00.00	1181220.8560	2428155.9331

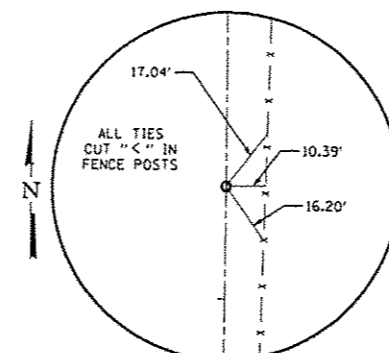




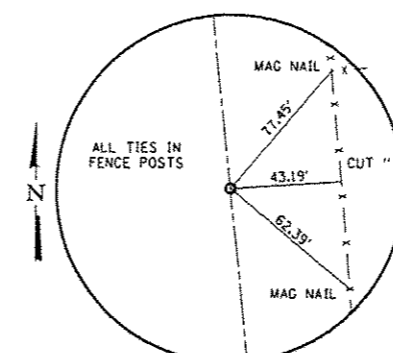
POT STA 1207+00.00  
MAG NAIL (SET)



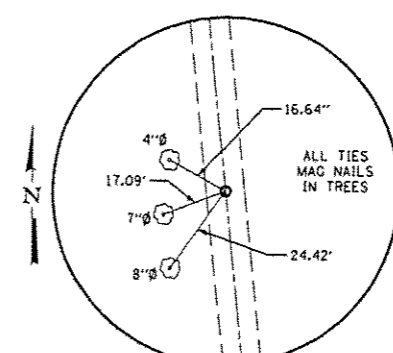
PC STA 1211+00.09  
1/2" Ø IP CAP (SET)



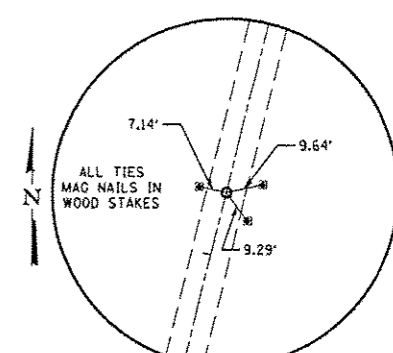
PI STA 1217+29.26  
1/2" Ø IP CAP (SET)



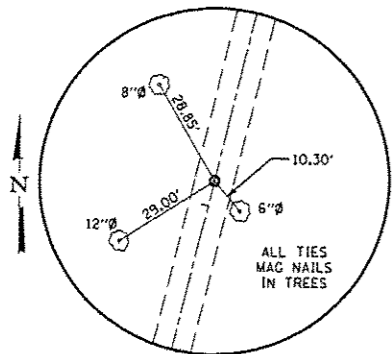
PT STA 1223+53.41  
1/2" Ø IP CAP (SET)



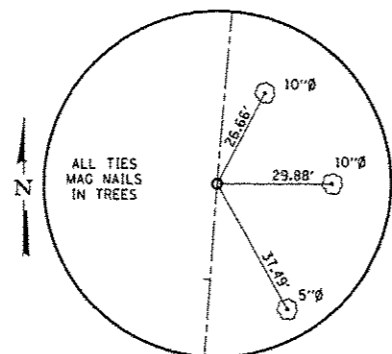
PC STA 1318+45.64  
1/2" Ø IP CAP (SET)



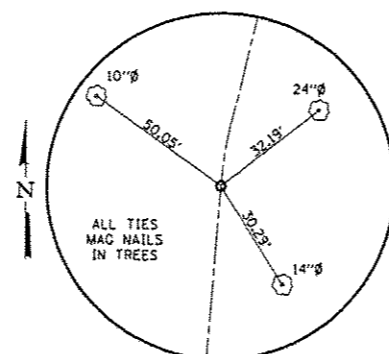
PT STA 1338+16.45  
1/2" Ø IP CAP (SET)



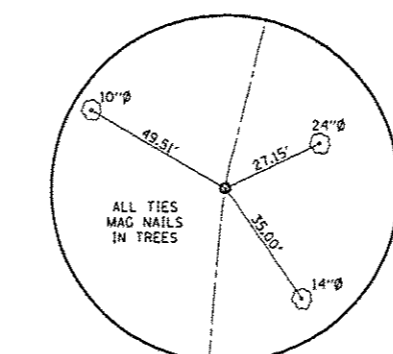
PC STA 1376+06.69  
1/2" Ø IP CAP (SET)



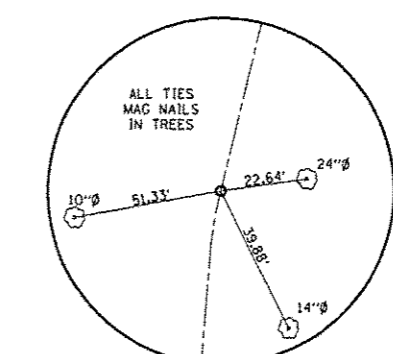
PT STA 1386+24.93  
1/2" Ø IP CAP (SET)



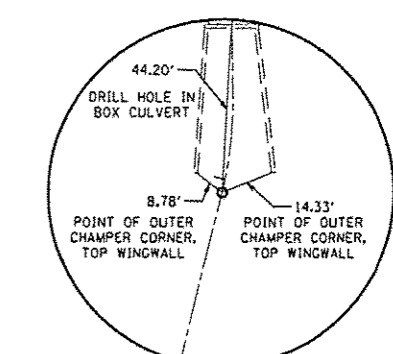
PC STA 1389+21.02  
1/2" Ø IP CAP (SET)



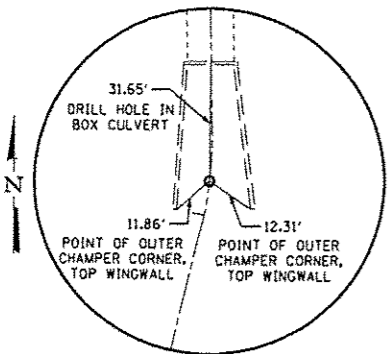
PI STA 1389+28.90  
1/2" Ø IP CAP (SET)



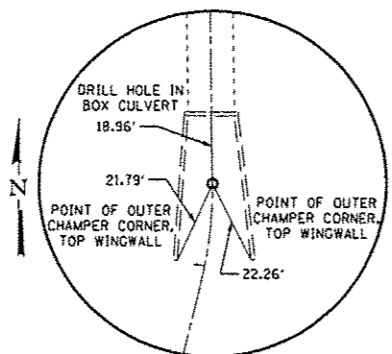
PT STA 1389+36.74  
1/2" Ø IP CAP (SET)



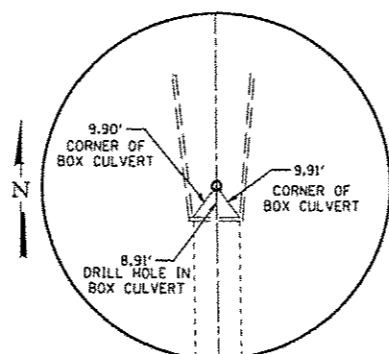
PC STA 1338+96.15  
1/2" Ø IP CAP (SET)



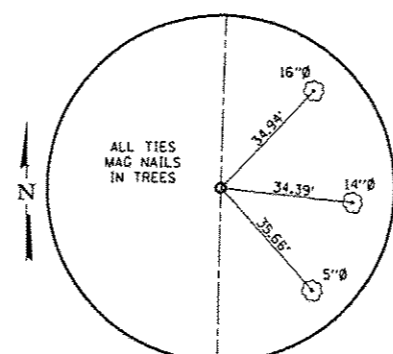
PI STA 1390+08.97  
1/2" Ø IP CAP (SET)



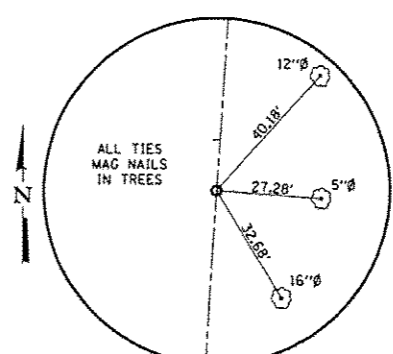
PT STA 1390+21.65  
1/2" Ø IP CAP (SET)



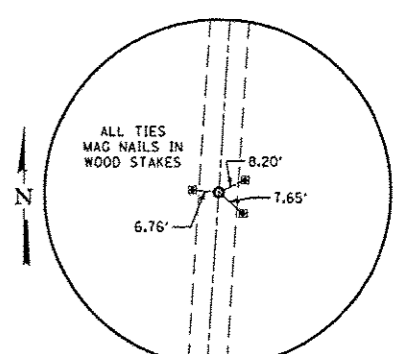
PC STA 1391+02.09  
1/2" Ø IP CAP (SET)



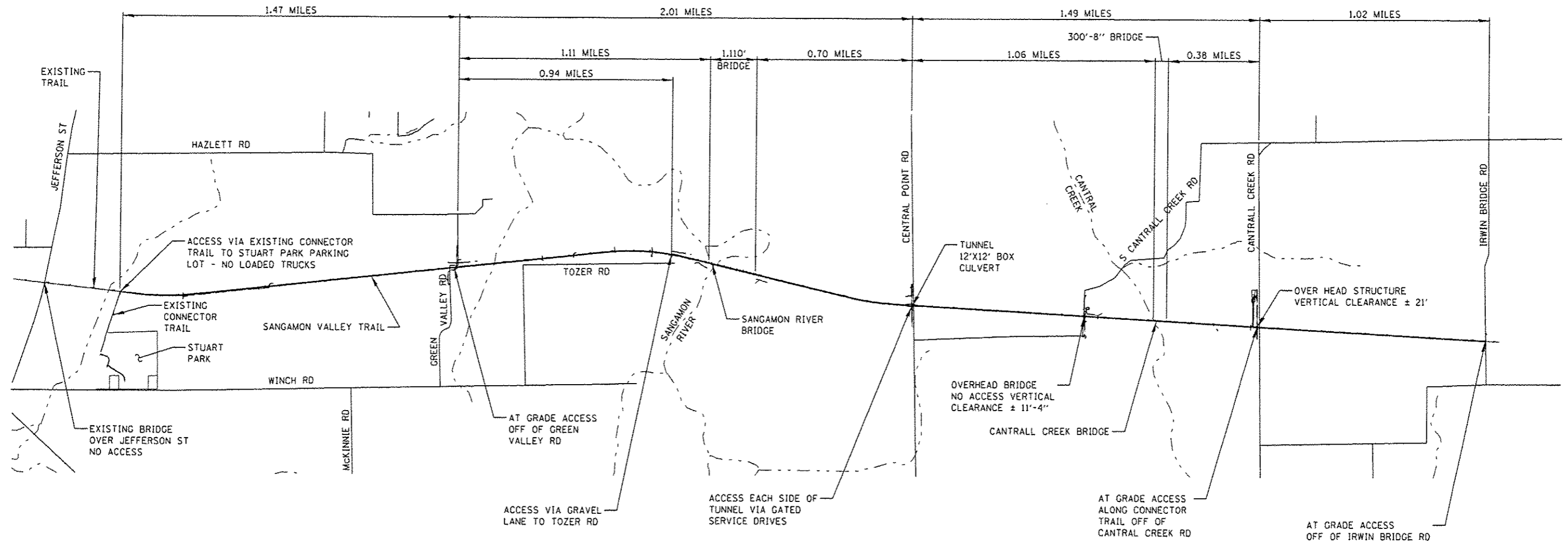
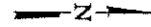
PI STA 1392+44.49  
1/2" Ø IP CAP (SET)



PT STA 1389+86.73  
1/2" Ø IP CAP (SET)



POT STA 1526+56.62  
1/2" Ø IP CAP (SET)



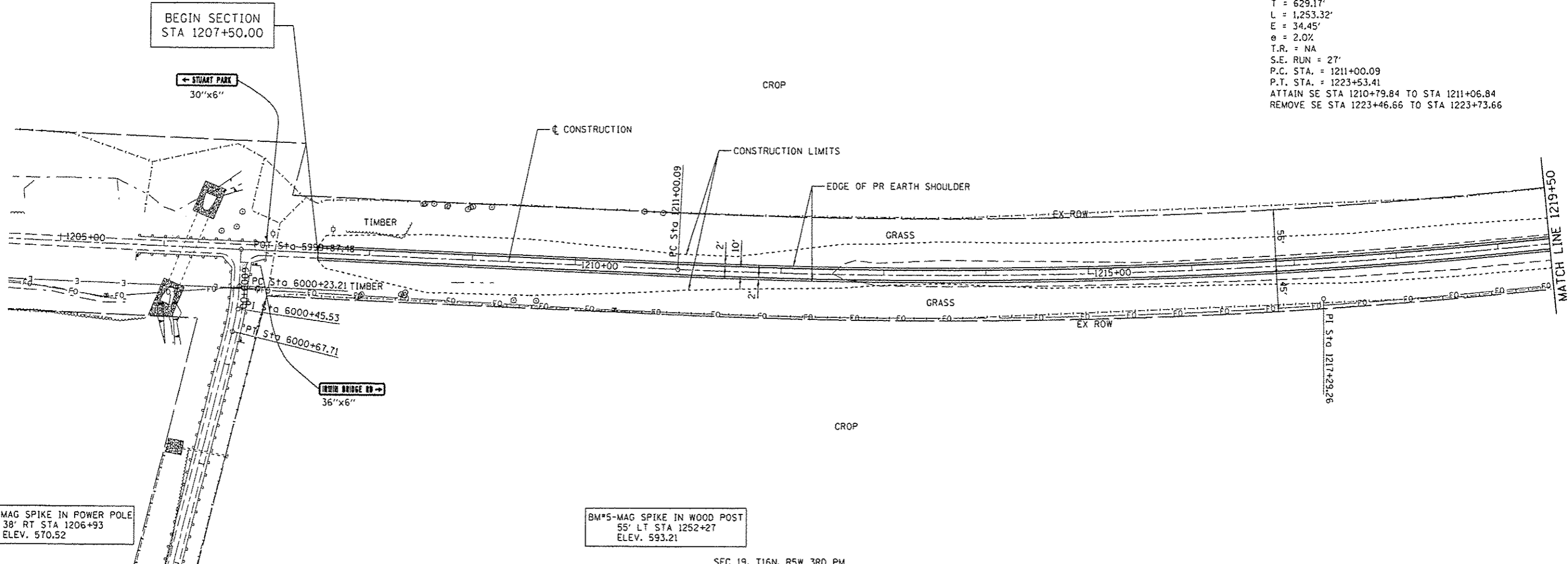
THE CONTRACTOR SHALL PROVIDE WRITTEN PERMISSION FROM PROPERTY OWNERS PRIOR TO USING PRIVATE CROSSINGS FOR ACCESS

THE CONTRACTOR SHALL SUBMIT ACCESS PLANS LOCATIONS TO THE COUNTY FOR APPROVAL

EXIST. CURVE SVT2  
 PI STA. = 1217+29.26  
 $\Delta = 12^\circ 32' 09''$  (LT)  
 $D = 1^\circ 00' 01''$   
 $R = 5,728.37'$   
 $T = 629.17'$   
 $L = 1,253.32'$   
 $E = 34.45'$   
 $e = 2.0\%$   
 $T.R. = NA$   
 $S.E. RUN = 27'$   
 $P.C. STA. = 1211+00.09$   
 $P.T. STA. = 1223+53.41$   
 ATTAIN SE STA 1210+79.84 TO STA 1211+06.84  
 REMOVE SE STA 1223+46.66 TO STA 1223+73.66

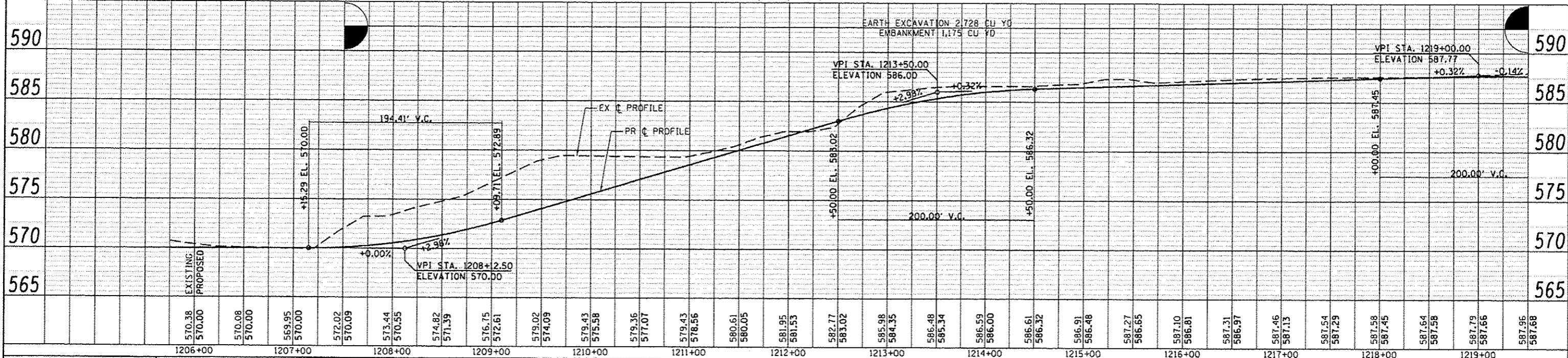
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	ALIGNED	
	GRADES CHECKED	
	RT. OF WAY CHECKED	
	NO. OF	
	NO.	
	NO.	
	NO.	

PROFILE	SURVEYED	DATE
	GRADES CHECKED	
	RT. OF WAY CHECKED	
	NO. OF	
	NO.	
	NO.	
	NO.	

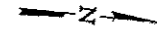


BM\*1-MAG SPIKE IN POWER POLE  
 38' RT STA 1206+93  
 ELEV. 570.52

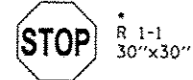
BM\*5-MAG SPIKE IN WOOD POST  
 55' LT STA 1252+27  
 ELEV. 593.21



<b>CEC</b> Cummins Engineering Corporation Civil and Structural Engineering	JOB = 2278	DESIGNED - NAK	REVISED -	<b>SANGAMON VALLEY TRAIL</b>	<b>PLAN AND PROFILE</b>	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	FILE NAME = 2278-shrplan.dgn	DRAWN - SJS	REVISED -			10-00173-02-9T	SANGAMON	157	27	
	PLOT SCALE = 1/80.0000 "/> IN.	CHECKED - NAK	REVISED -			CONTRACT NO. 93687				
	PLOT DATE = 3/24/2016	DATE = 1/7/2014	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

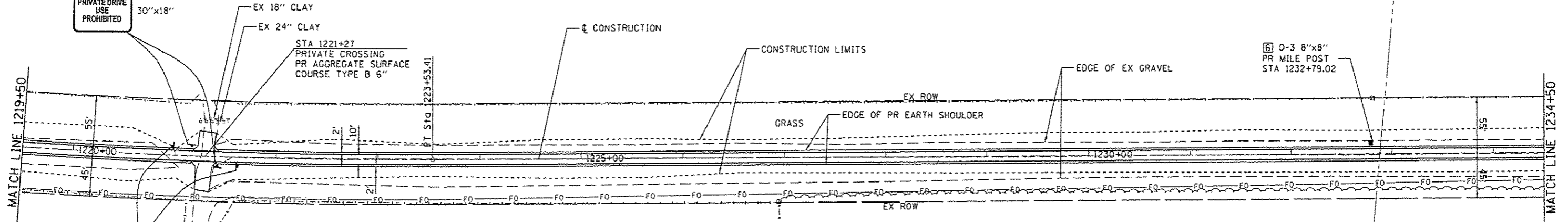
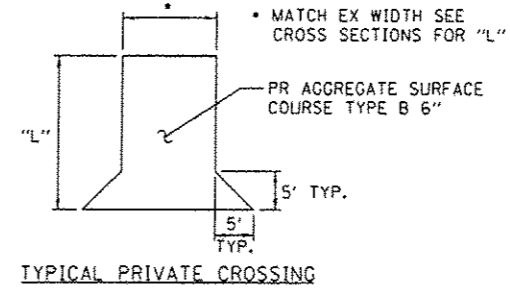


• MOUNT SIGNS BACK TO BACK ON SAME POST



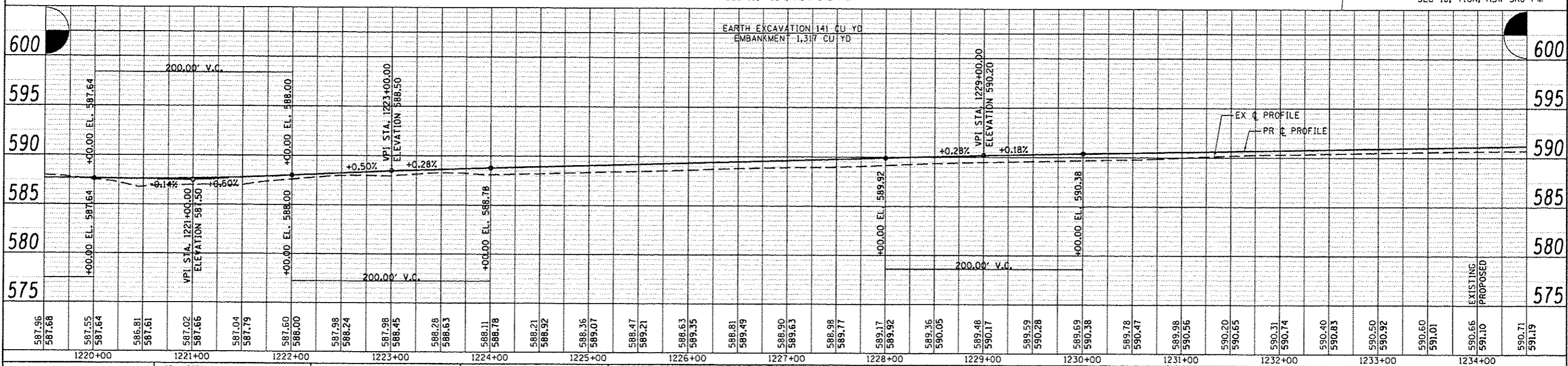
PRIVATE DRIVE USE PROHIBITED 30"x18"

NO MOTOR VEHICLES R5-3 24"x24"



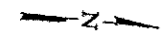
PLAN	SURVEYED	DATE
	PLOTTED	BY
	GRABS CHECKED	
	NOTE BOOK	
	NO. OF MAT DICKED	
	ADD FILE NAME	

PROFILE	SURVEYED	DATE
	GRABS CHECKED	
	NOTE BOOK	
	NO. OF MAT DICKED	
	ADD FILE NAME	

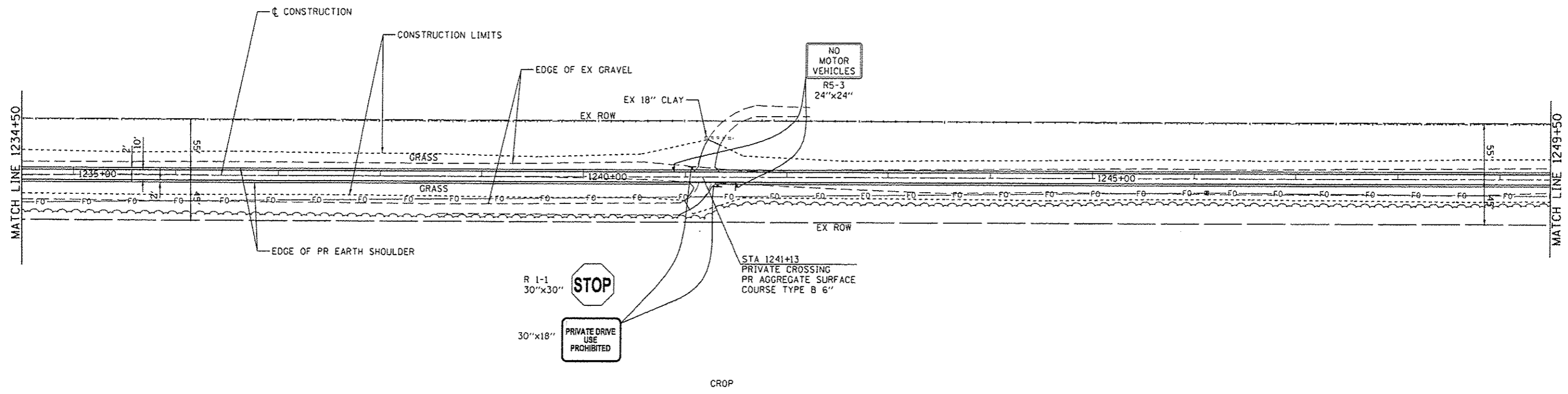


<p>Cummins Engineering Corporation Civil and Structural Engineering</p>	JOB : 2278	DESIGNED - NAK	REVISED -	<p><b>SANGAMON VALLEY TRAIL</b></p> <p><b>PLAN AND PROFILE</b></p>	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	FILE NAME : 2278-shr-plan.dgn	DRAWN - SJS	REVISED -		10-00173-02-BT	SANGAMON	157	28	
	PLOT SCALE : 1/8" = 1'-0"	CHECKED - NAK	REVISED -		CONTRACT NO. 93687				
	PLOT DATE : 1/24/2016	DATE : 1/7/2014	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

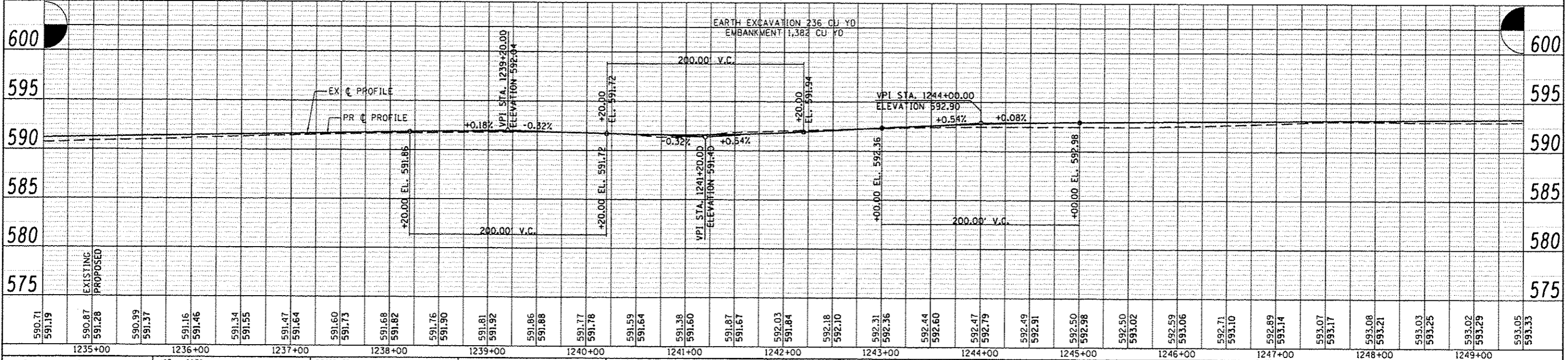
APPROX SECTION LINE



PLAN	SURVEYED	BY	DATE
	DESIGNED		
	CHECKED		
	NO. OF SHEETS		
	NO. OF SHEETS CHECKED		
	NO. OF SHEETS NOT CHECKED		
	NO. OF SHEETS NOT CHECKED		

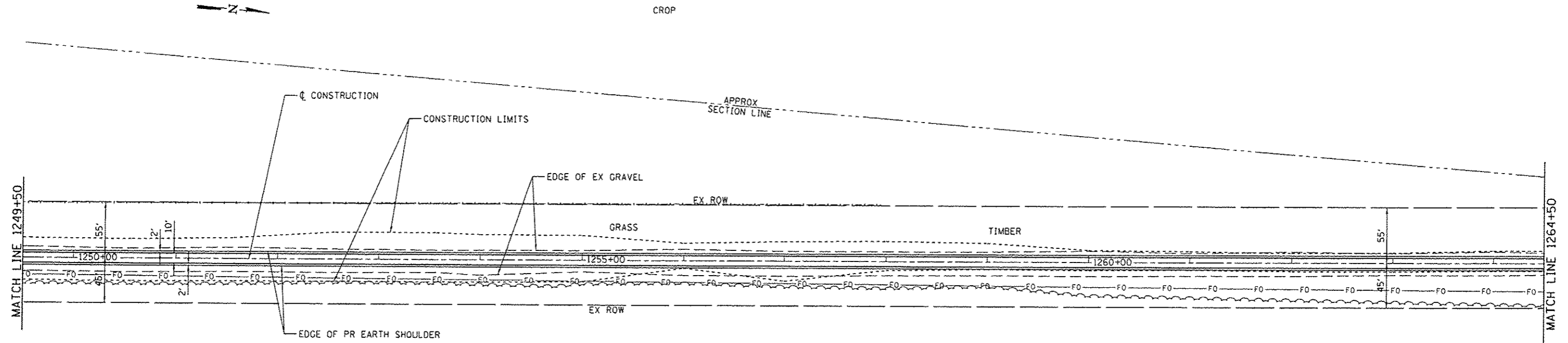


PROFILE	DESIGNED	BY	DATE
	PLOTTED		
	GRAPHS CHECKED		
	E.M. NOTED		
	STRUCTURE NOTATIONS CHECKED		
	NO.		



<b>CEC</b> Cummins Engineering Corporation Civil and Structural Engineering	JOB : 2278	DESIGNED - NAK	REVISED -	<b>SANGAMON VALLEY TRAIL</b>  <b>PLAN AND PROFILE</b>	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	FILE NAME : 2278-shr-plan1.dgn	DRAWN - SJS	REVISED -		10-00173-02-BT	SANGAMON	157	29	
	PLDT SCALE : 100.0000' / IN.	CHECKED - NAK	REVISED -		CONTRACT NO. 93687				
	PLOT DATE : 3/24/2016	DATE - 1/7/2014	REVISED -						
				SCALE:	SHEET NO. OF SHEETS		STA. 1234+50 TO STA. 1249+50		FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT

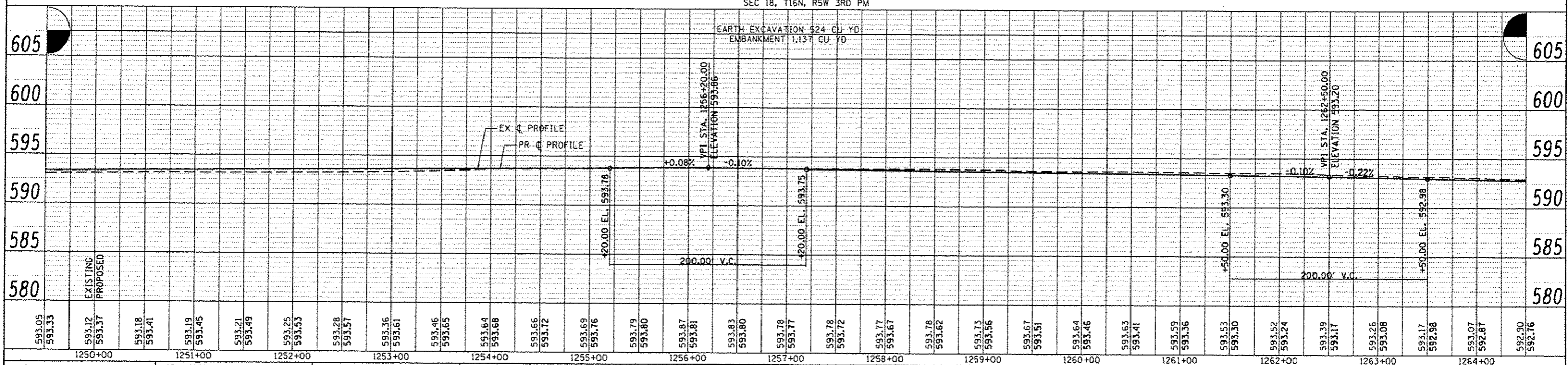
PLAN	SURVEYED	BY	DATE
	PLOTTED		
	ALIGNED		
	CHECKED		
	NO. NOTED		
	FILE NAME		
	NO.		



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

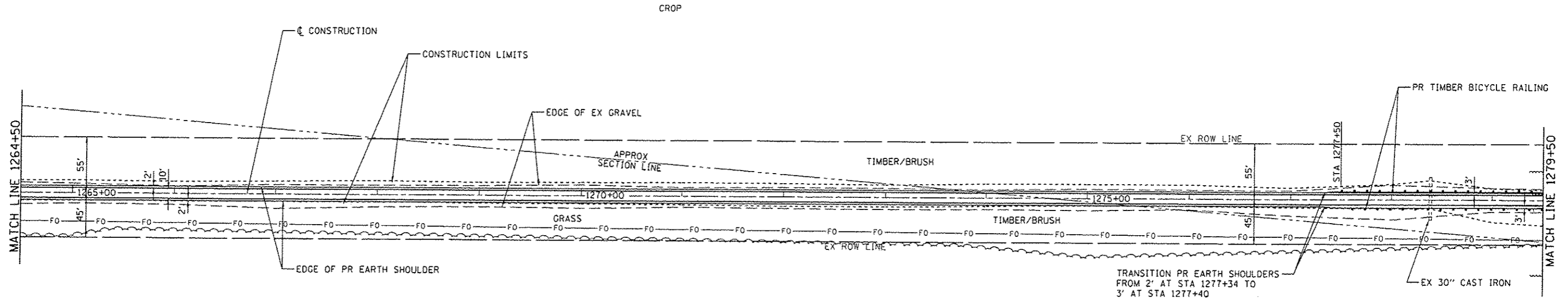
BM\*5-MAG SPIKE IN WOOD POST  
55' LT STA 1252+27  
ELEV. 593.21

BM\*6-MAG SPIKE IN WOOD POST  
56' LT STA 1257+84  
ELEV. 593.72



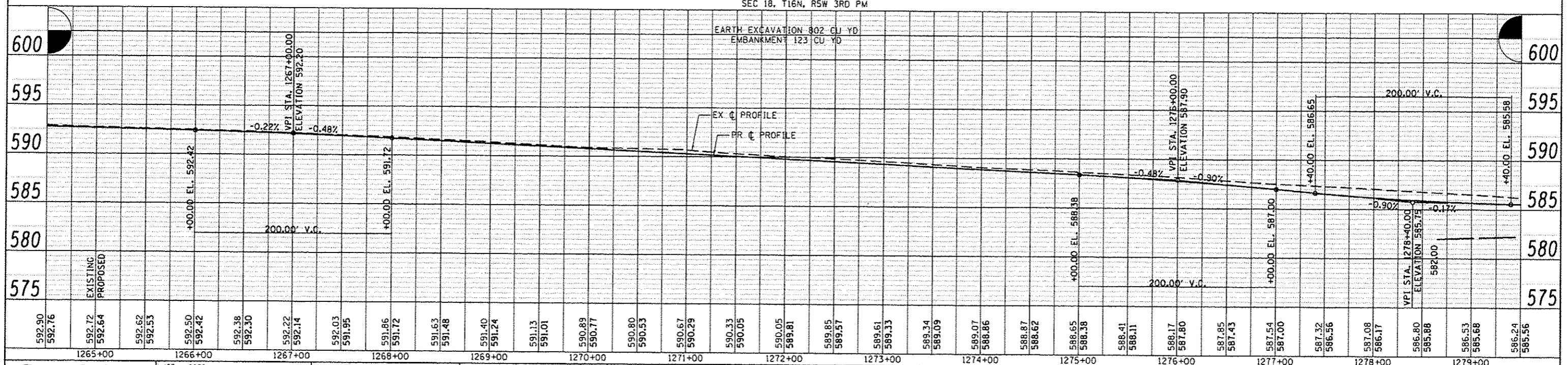
<b>CEC</b> Cummins Engineering Corporation Civil and Structural Engineering	JOB = 2278	DESIGNED - NAK	REVISED -	<b>SANGAMON VALLEY TRAIL</b>	<b>PLAN AND PROFILE</b>	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	FILE NAME = 2278-shs-plan1.dgn	DRAWN - SJS	REVISED -			10-00173-02-BT	SANGAMON	157	30	
	PLT SCALE = 1/8" = 100.0000' / IN.	CHECKED - NAK	REVISED -			CONTRACT NO. 93687				
	PLT DATE = 3/24/2016	DATE = 1/7/2014	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

PLAN	DATE
REVISED	BT
NOTED	
GRADES CHECKED	
PL. OF WAY CHECKED	
NOTE BOOK NO.	
DATE FILED	
FILE NAME	



PROFILE	DATE
REVISED	BT
NOTED	
GRADES CHECKED	
PL. OF WAY CHECKED	
NOTE BOOK NO.	
DATE FILED	
FILE NAME	

BM\*8-MAG SPIKE IN 4" Ø TREE  
14' LT STA 1277+33  
ELEV. 586.56



**CEC** Cummins Engineering Corporation  
Civil and Structural Engineering

JOB # 2278	DESIGNED - NAK	REVISED -
FILE NAME * 2278-shs-plant.dgn	DRAWN - SJS	REVISED -
PLOT SCALE * 1/8"=1'-0"	CHECKED - NAK	REVISED -
PLOT DATE * 3/24/2016	DATE - 1/7/2014	REVISED -

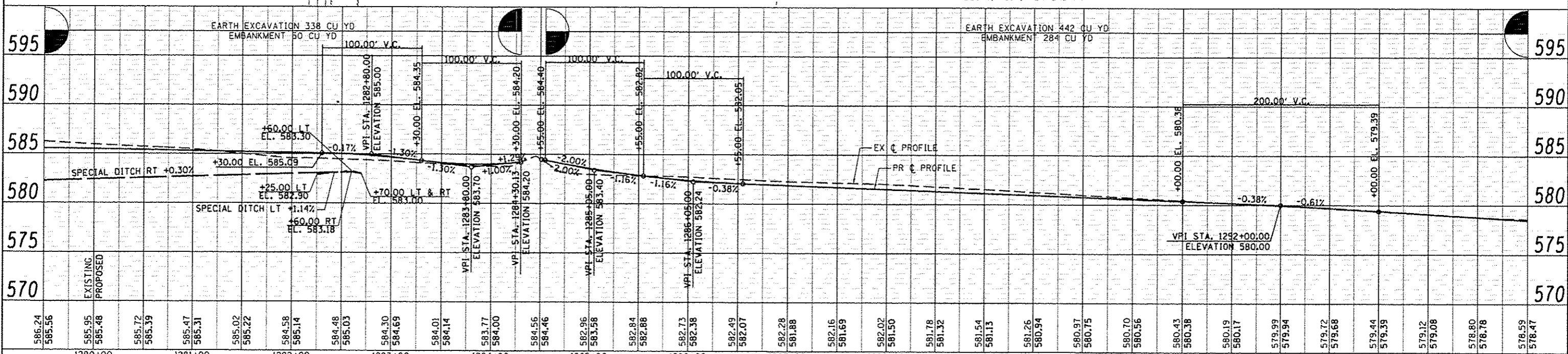
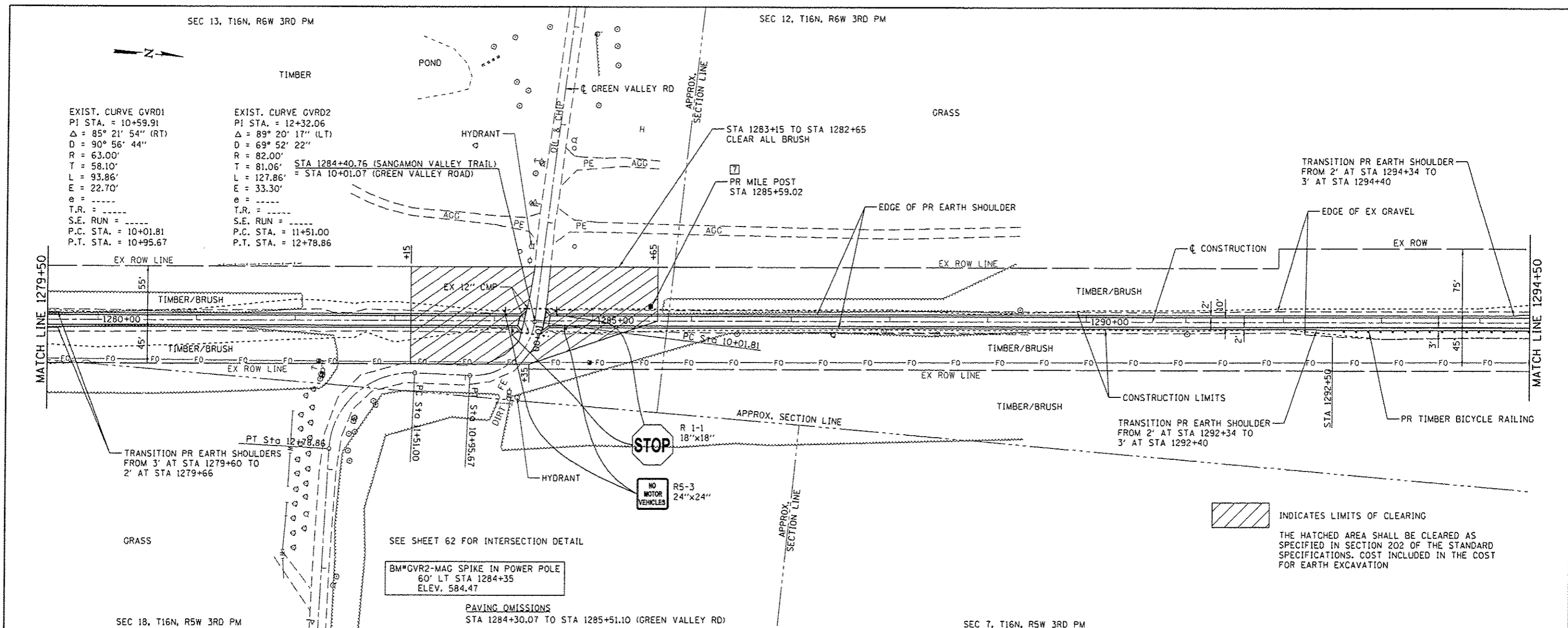
**SANGAMON VALLEY TRAIL**

**PLAN AND PROFILE**  
SCALE: SHEET NO. OF SHEETS STA. 1264+50 TO STA. 1279+50

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	10-00173-02-BT	SANGAMON	157	31
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		CONTRACT NO. 93687

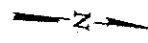
PLAN	SURVEYED	DATE
	ALIGNED	
	GRADES CHECKED	
	BY	
	NOTE BOOK	
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	FILE NAME	

PROFILE	DESIGNED	DATE
	GRADES CHECKED	
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	NOTE BOOK	
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	FILE NAME	

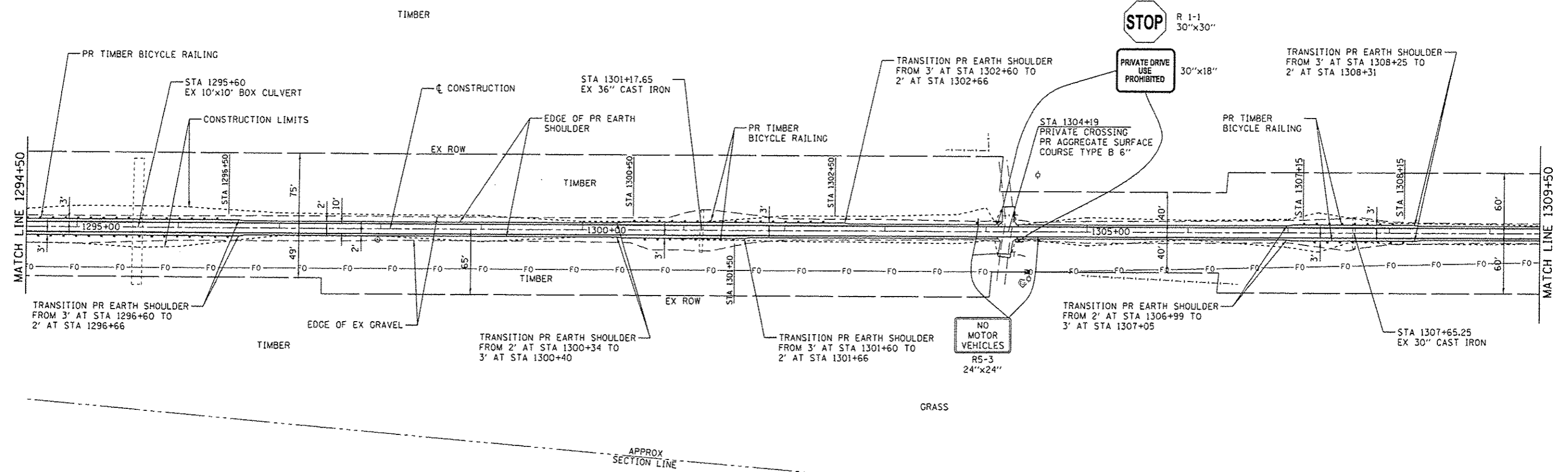


<b>CEC</b> Cummins Engineering Corporation Civil and Structural Engineering	JOB # 2278	DESIGNED - NAK	REVISED -	<b>SANGAMON VALLEY TRAIL</b>	<b>PLAN AND PROFILE</b>	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	FILE NAME = 2278-shc-plan1.dgn	DRAWN - SJS	REVISED -			10-00173-02-BT	SANGAMON	157	32	
	PLOT SCALE = 1/8" = 1'-0"	CHECKED - NAK	REVISED -			CONTRACT NO. 93687				
	PLOT DATE = 3/25/2016	DATE = 1/7/2014	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				





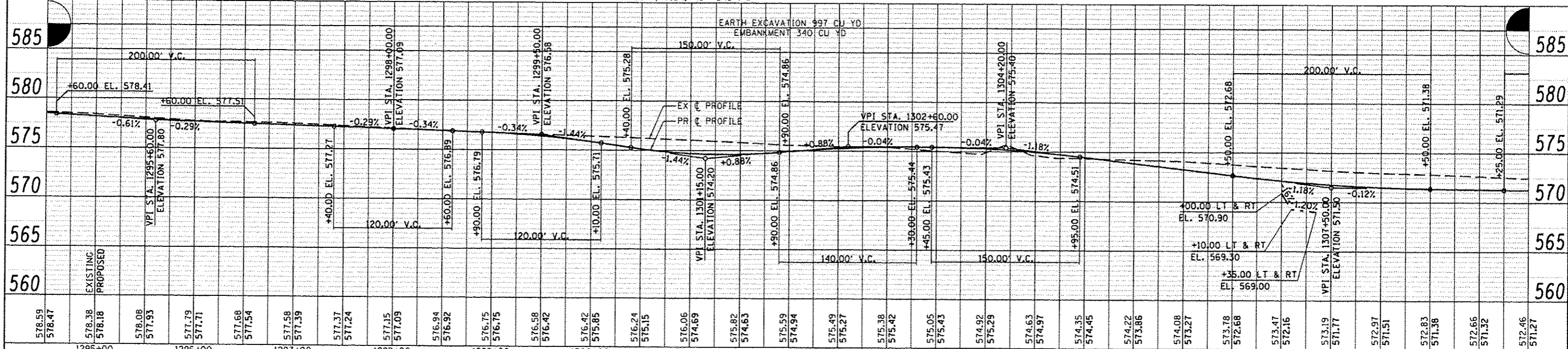
DATE	
BY	
REVISIONS	
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REVISIONS	
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ALIGNED	
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NOTE BOOK	
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DATE	
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REVISIONS	
PLANNED	
ALIGNED	
CHECKED	
NOTE BOOK	
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NOTE BOOK	
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DATE	
BY	
REVISIONS	
PLANNED	
ALIGNED	
CHECKED	
NOTE BOOK	
NO.	

BM\*9-MAG SPIKE IN 8" Ø TREE  
10' LT STA 1296+55  
ELEV. 577.66

BM\*10-MAG SPIKE IN POWER POLE  
45' RT STA 1304+43  
ELEV. 577.48

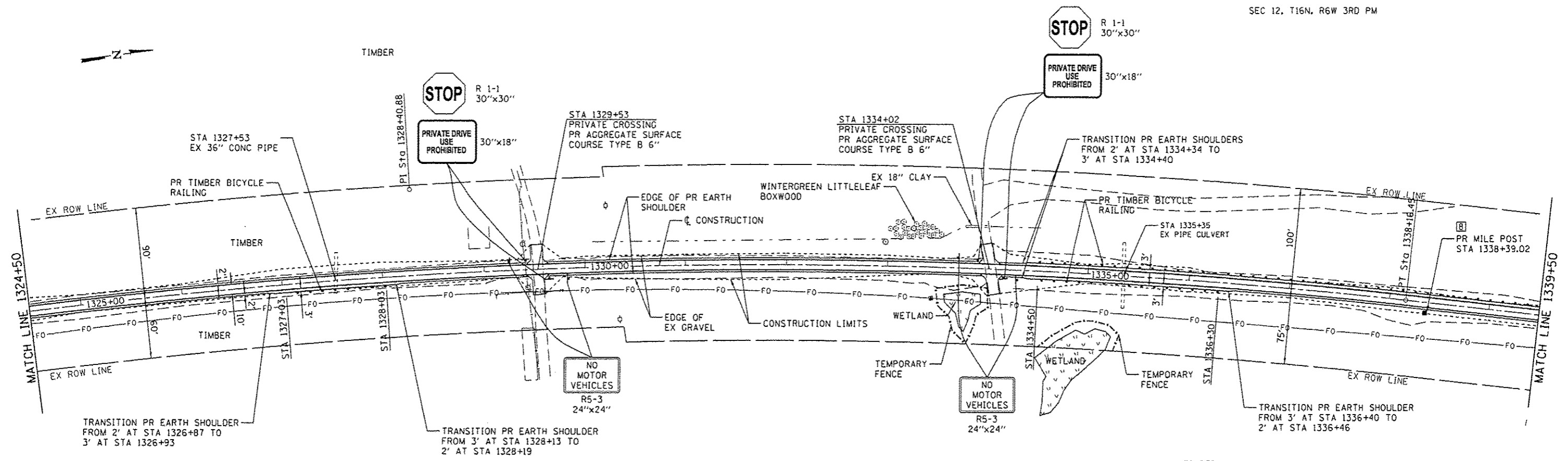


<b>CEC</b> Cummins Engineering Corporation Civil and Structural Engineering	JOB # 2278	DESIGNED - NAK	REVISED -	<b>SANGAMON VALLEY TRAIL</b>	<b>PLAN AND PROFILE</b>	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	FILE NAME : 2278-ahs-plant.dgn	DRAWN - SJS	REVISED -			10-00173-02-BT	SANGAMON	157	33	
	PLT SCALE : 1/8" = 1' IN.	CHECKED - NAK	REVISED -			CONTRACT NO. 93687				
	PLT DATE : 3/24/2016	DATE : 1/7/2014	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



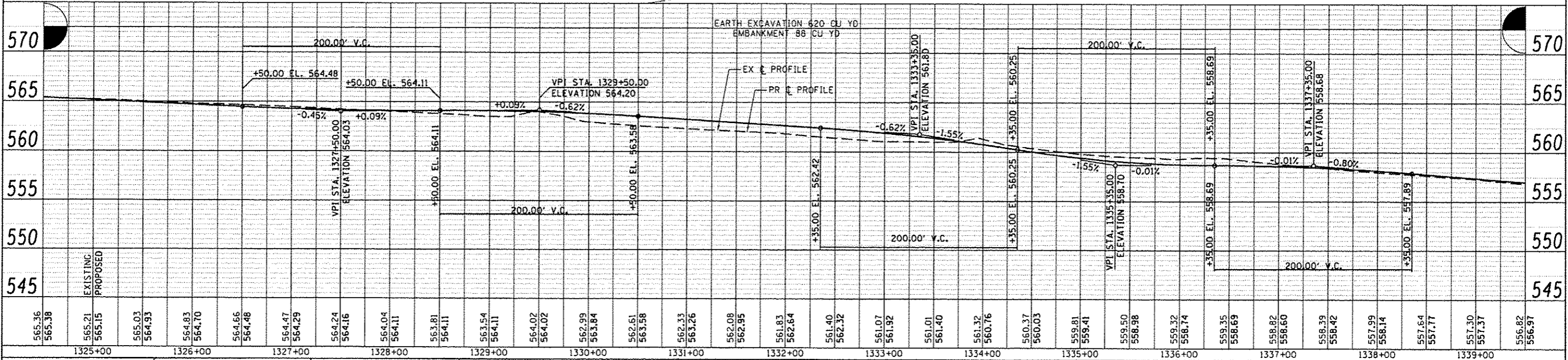
PLAN	DATE
BY	
CHECKED	
DATE	
NO.	

PROFILE	DATE
BY	
CHECKED	
DATE	
NO.	



EXIST. CURVE SVT3  
 PI STA. = 1328+40.88  
 $\Delta = 19^\circ 42' 28''$  (RT)  
 $D = 1^\circ 00' 00''$   
 $R = 5,729.64'$   
 $T = 995.24'$   
 $L = 1,970.81'$   
 $E = 85.79'$   
 $\theta = N/A$   
 $T.R. = N/A$   
 $S.E. RUN = N/A$   
 $P.C. STA. = 1318+45.64$   
 $P.T. STA. = 1338+16.45$

BM#14-MAG SPIKE IN 6"  $\phi$  TREE  
 24' LT STA 1332+97  
 ELEV. 561.32

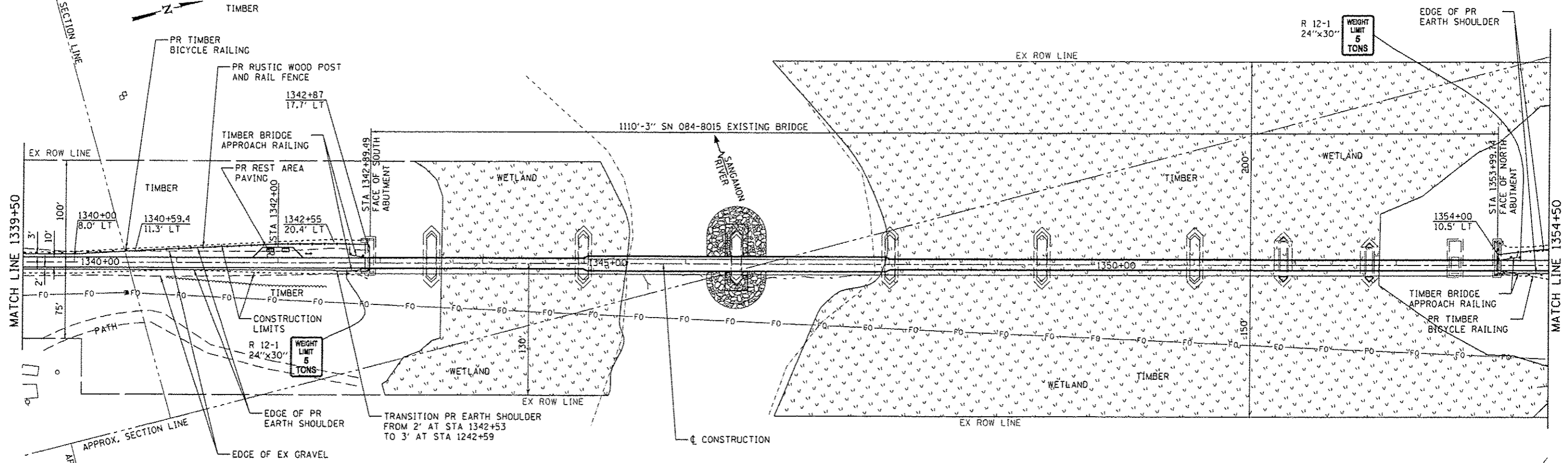


<p>Cummins Engineering Corporation Civil and Structural Engineering</p>	JOB : 2278	DESIGNED : NAK	REVISED : -	<p><b>SANGAMON VALLEY TRAIL</b></p> <p><b>PLAN AND PROFILE</b></p>	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	FILE NAME : 2278-01-plan1.dgn	DRAWN : SJS	REVISED : -		10-00173-02-BT	SANGAMON	157	35	
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	PLOT DATE : 3/24/2016	DATE : 1/7/2014	REVISED : -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
SCALE: SHEET NO. OF SHEETS STA. 1324+50 TO STA. 1339+50									

SEC 1, T17N, R6W 3RD PM

DATE	
BY	
DESIGNED	NAK
CHECKED	NAK
DATE	1/7/2014

DATE	
BY	
DESIGNED	NAK
CHECKED	NAK
DATE	1/7/2014



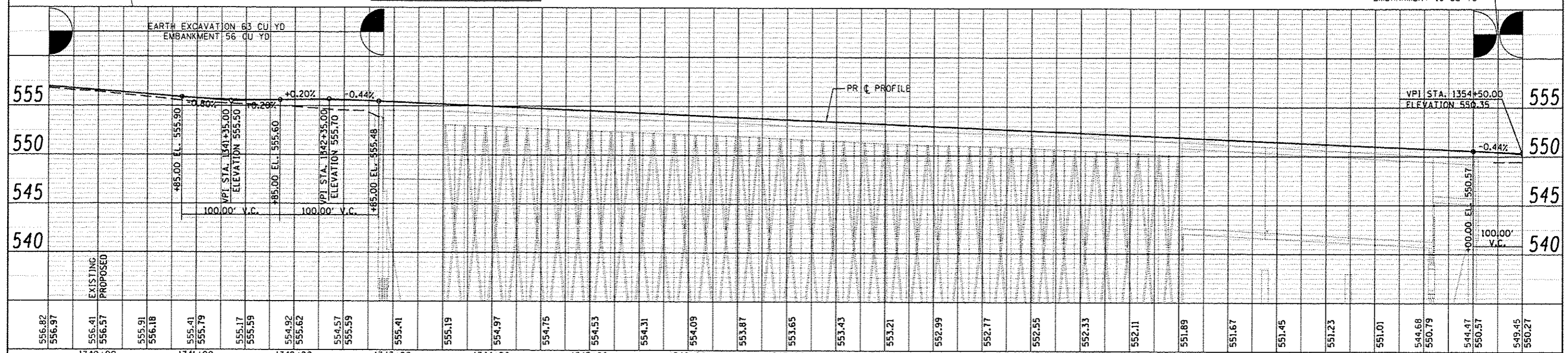
BM\*30 CUT 'C' TOP OF N.E. ABUT.  
7' RT STA 1354+06  
ELEV. = 549.78

PAVING OMISSIONS  
STA 1342+88.09 TO STA 1354+00.06 (BRIDGE)

BM\*29 CUT 'C' TOP OF S.W. ABUT.  
18' LT STA 1342+89  
ELEV. = 553.76

SEC 6, T17N, R5W 3RD PM

EARTH EXCAVATION 2 CU YD  
EMBANKMENT 19 CU YD



556.82	556.97	556.41	556.57	555.91	556.18	555.41	555.79	555.17	555.59	554.92	555.62	554.57	555.59	555.41	555.19	554.97	554.75	554.53	554.31	554.09	553.87	553.65	553.43	553.21	552.99	552.77	552.55	552.33	552.11	551.89	551.67	551.45	551.23	551.01	544.68	550.79	544.47	550.57	549.45	550.27		
1340+00	1341+00	1342+00	1343+00	1344+00	1345+00	1346+00	1347+00	1348+00	1349+00	1350+00	1351+00	1352+00	1353+00	1354+00																												



JOB	2278	DESIGNED	NAK	REVISED	
FILE NAME	2278-shi-plan.dgn	DRAWN	SJS	REVISED	
PLOT SCALE	1/8" = 1' IN.	CHECKED	NAK	REVISED	
PLOT DATE	3/24/2016	DATE	1/7/2014	REVISED	

SANGAMON VALLEY TRAIL

PLAN AND PROFILE

SCALE: SHEET NO. OF SHEETS STA. 1339+5 TO STA. 1354+50

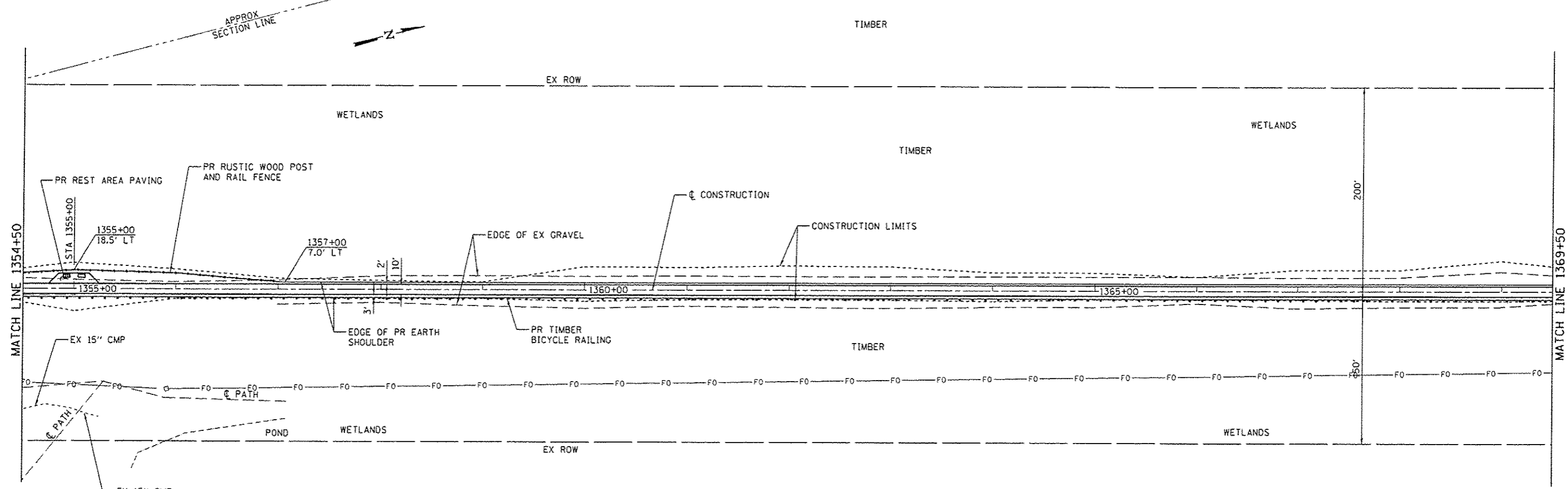
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	10-00173-02-BT	SANGAMON	157	36
CONTRACT NO. 93687				

SEC 1, T17N, R6W 3RD PM

SEC 6, T17N, R5W 3RD PM

DATE	
BY	
PLANNING	
DESIGNED	
CHECKED	
DATE	
NO.	
FILE NAME	

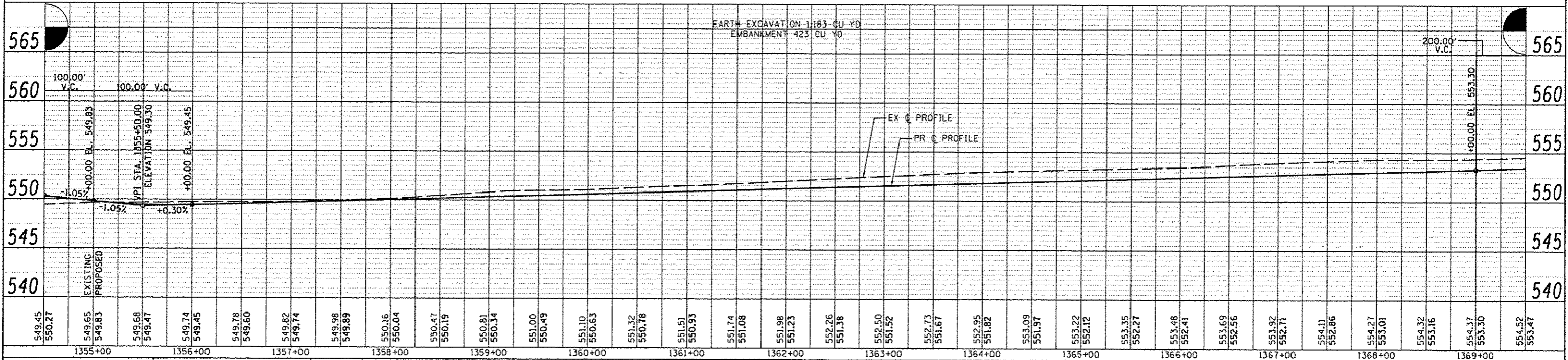
DATE	
BY	
PROFILING	
DESIGNED	
CHECKED	
DATE	
NO.	
FILE NAME	



BM\*15-MAG SPIKE IN 6" Ø TREE  
13' LT STA 1359+63  
ELEV. 551.07

BM\*16-MAG SPIKE IN 10" Ø TREE  
12' LT STA 1366+27  
ELEV. 554.77

SEC 6, T17N, R5W 3RD PM



JOB = 2278	DESIGNED - NAK	REVISED -
FILE NAME = 2278-shr-plan2.dgn	DRAWN - SJS	REVISED -
PLOT SCALE = 1/8" = 100.0000' / IN.	CHECKED - NAK	REVISED -
PLOT DATE = 3/24/2016	DATE - 1/7/2014	REVISED -

**SANGAMON VALLEY TRAIL**

**PLAN AND PROFILE**

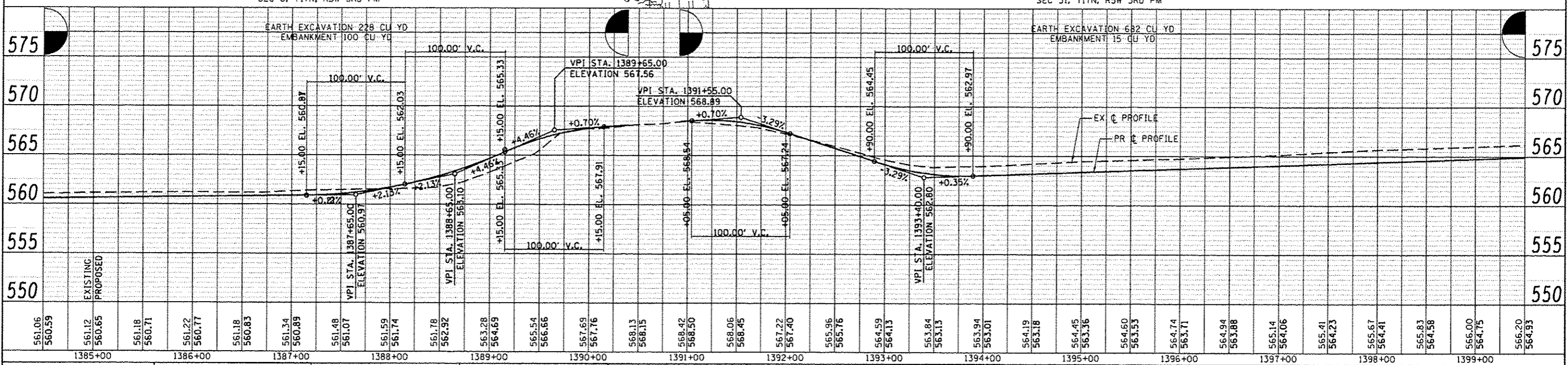
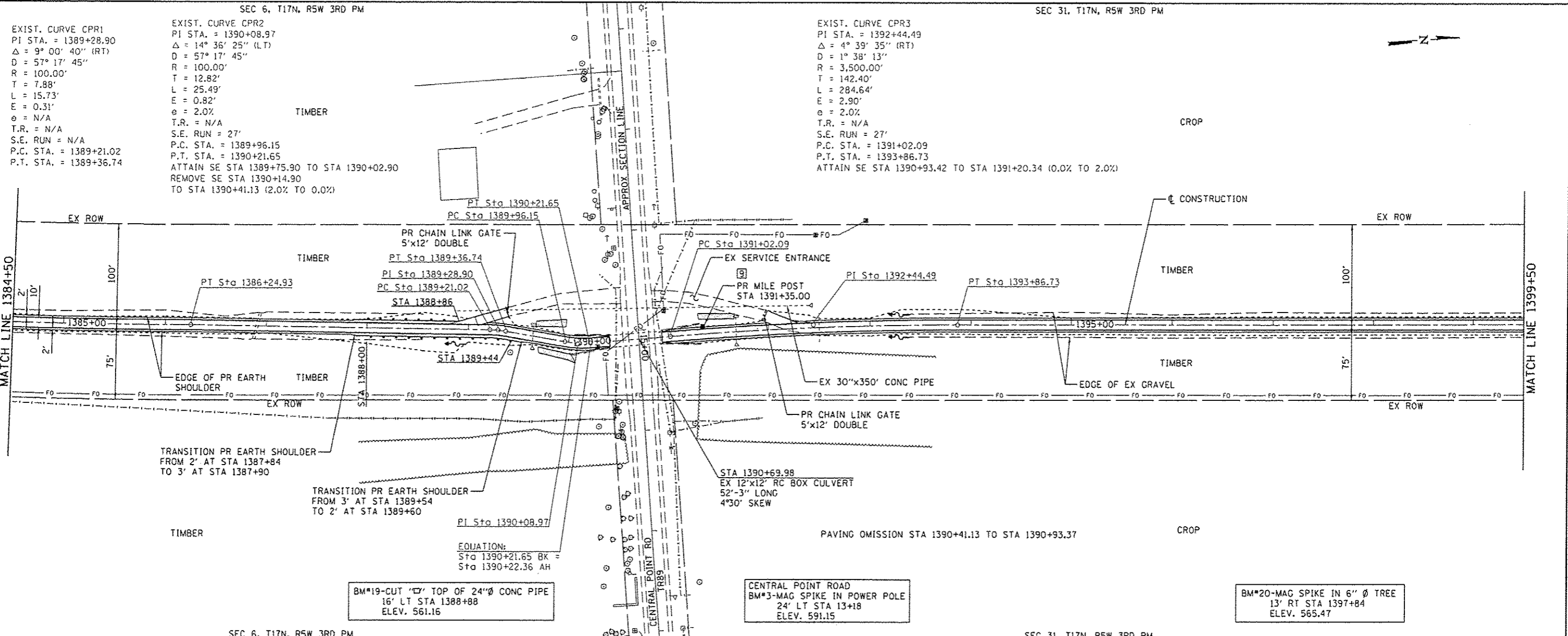
SCALE: SHEET NO. OF SHEETS STA. 1354+50 TO STA. 1369+50

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	10-00173-02-BT	SANGAMON	157	37
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 93687	

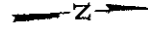


PLAN	DATE
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CHECKED	
DATE	
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FILE NAME	

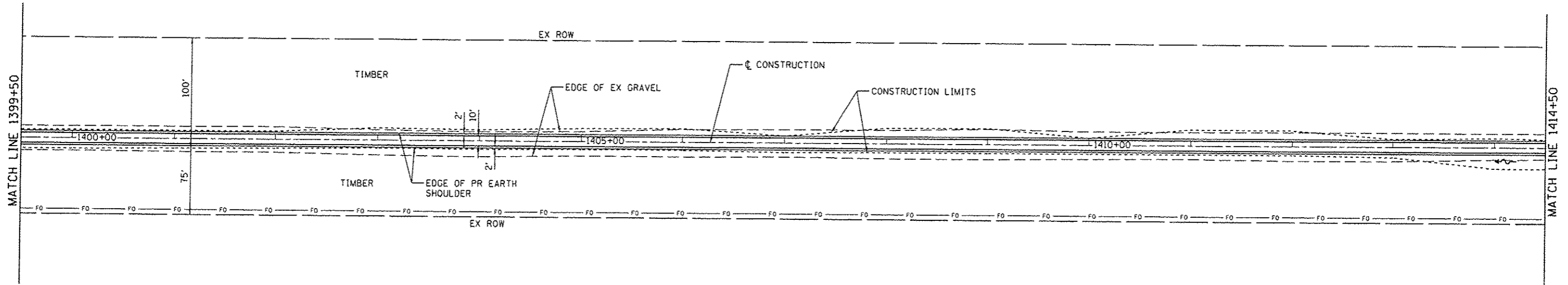
PROFILE	DATE
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DATE	
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FILE NAME	



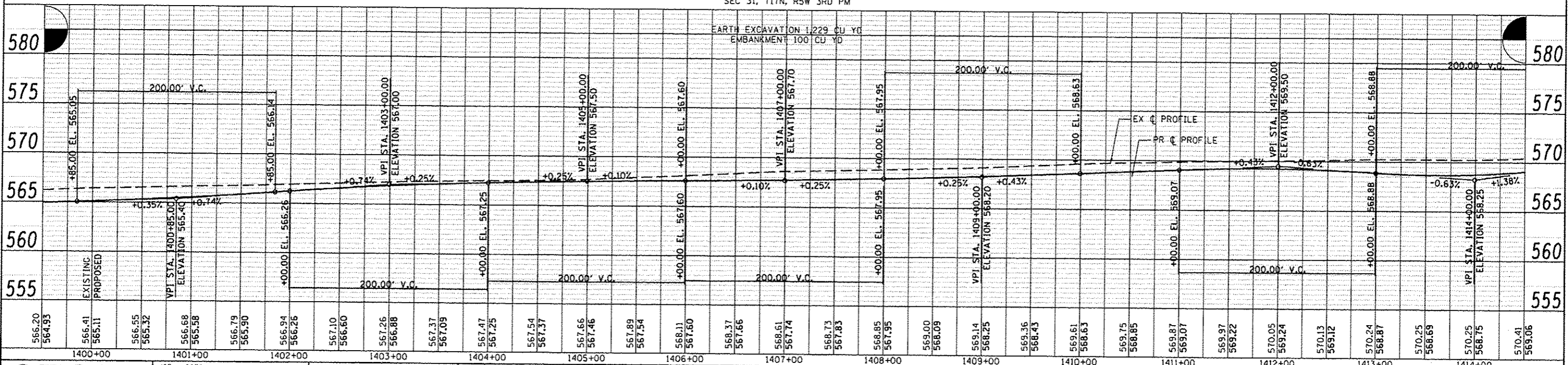
<b>CEC</b> Cummins Engineering Corporation Civil and Structural Engineering	JOB : 2278	DESIGNED : NAK	REVISED :	<b>SANGAMON VALLEY TRAIL</b>	<b>PLAN AND PROFILE</b>	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	FILE NAME : 2278-shr-plan2.dgn	DRAWN : SJS	REVISED :			10-00173-02-BT	SANGAMON	157	39	
	PLT SCALE : 1/8"=1'-0"	CHECKED : NAK	REVISED :			CONTRACT NO. 93687				
	PLT DATE : 3/24/2016	DATE : 1/7/2014	REVISED :			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



PLAN	SURVEYED	DATE
	ADJUSTED	
	GRADES CHECKED	
	PL. OF WAY CHECKED	
	NO. OF PAGES	
	CAD FILE NAME	



PROFILE	DESIGNED	DATE
	PLOTTED	
	GRADES CHECKED	
	P.A. NOTED	
	STRUCTURE NOTATION	
	NO.	



**CEC** Cummins Engineering Corporation  
Civil and Structural Engineering

JOB # 2278	DESIGNED - NAK	REVISED -
FILE NAME = 2278-shs-plan2.dgn	DRAWN - SJS	REVISED -
PLOT SCALE = 1/8" = 1' IN.	CHECKED - NAK	REVISED -
PLOT DATE = 3/24/2016	DATE = 1/7/2014	REVISED -

**SANGAMON VALLEY TRAIL**

**PLAN AND PROFILE**

SCALE:	SHEET NO. OF SHEETS	STA. 1399+50 TO STA. 1414+50	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			10-00173-02-BT	SANGAMON	157	40	
			CONTRACT NO. 93687				

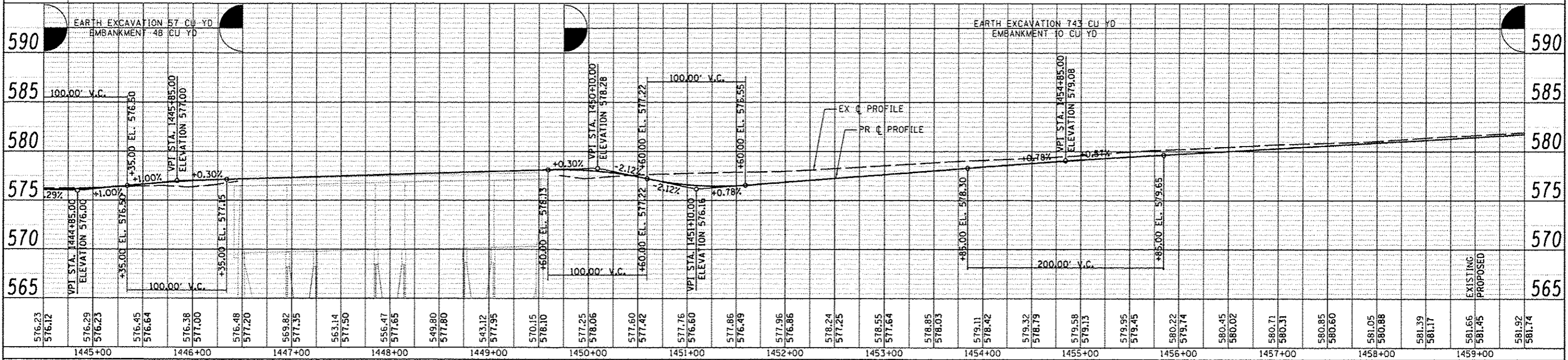
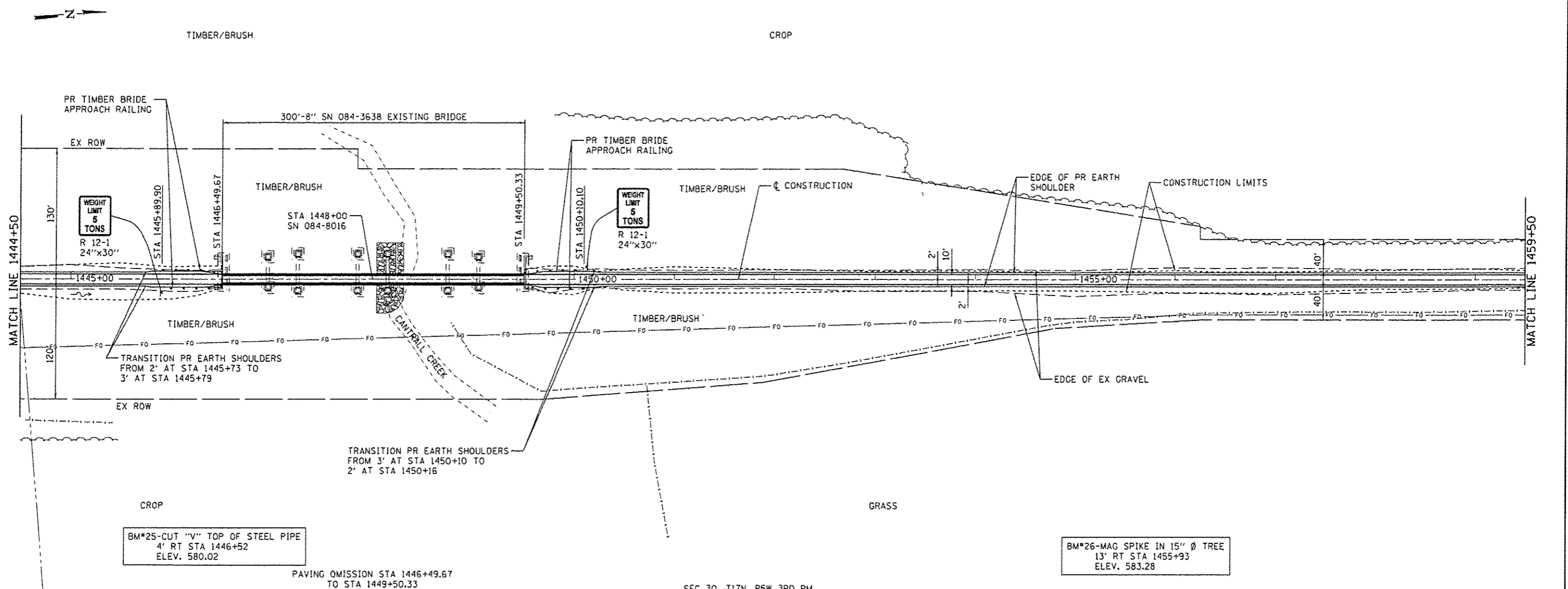






DATE	
BY	
REVISIONS	
NO.	
DATE	
BY	
REVISIONS	
NO.	
DATE	
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REVISIONS	
NO.	

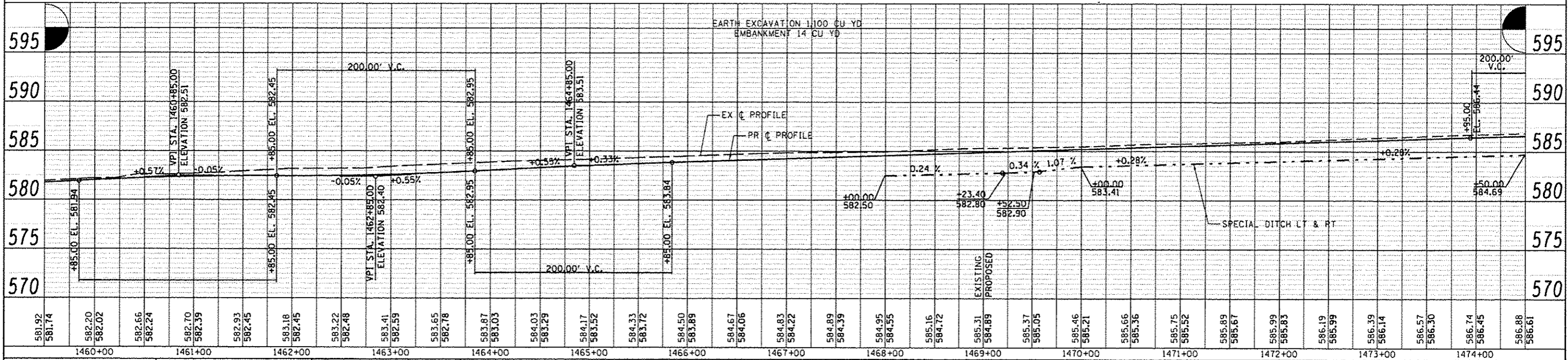
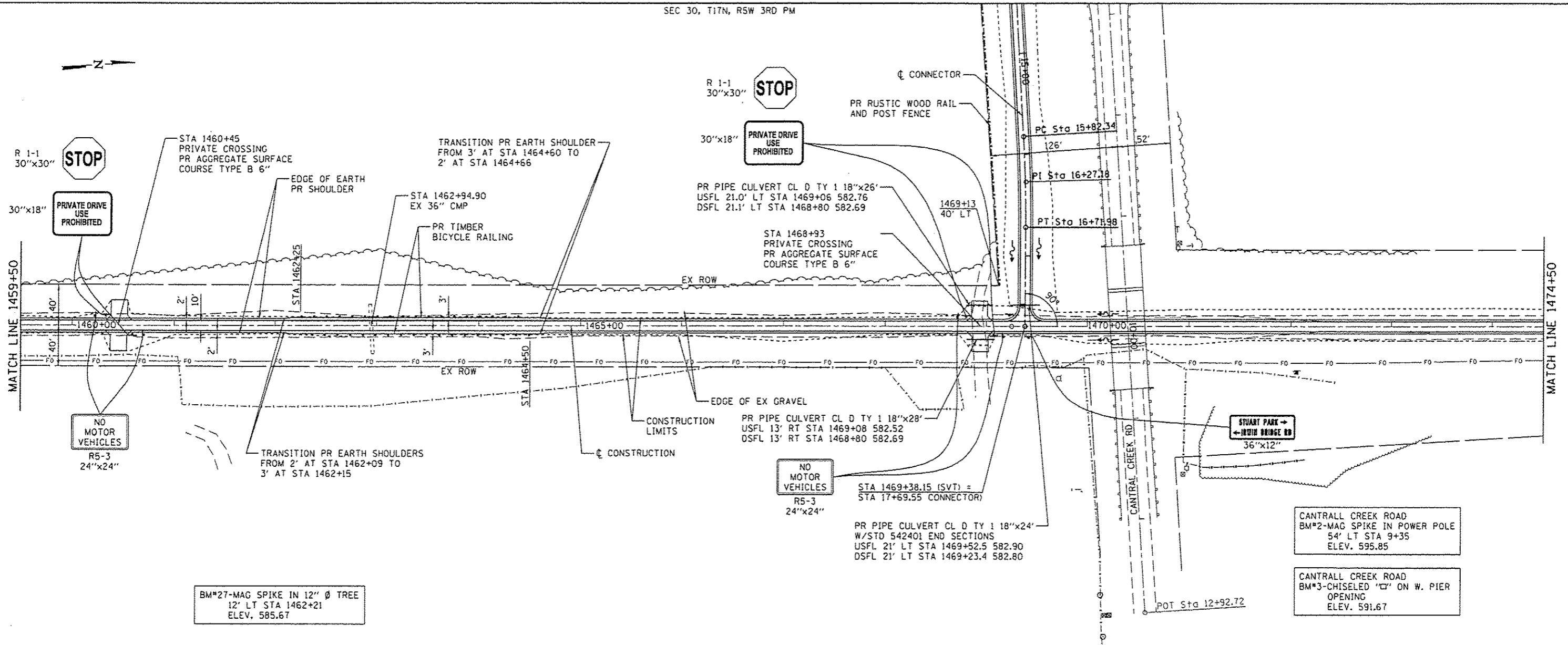
DATE	
BY	
REVISIONS	
NO.	
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REVISIONS	
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REVISIONS	
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DATE	
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REVISIONS	
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DATE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



<b>CEC</b> Cummins Engineering Corporation Civil and Structural Engineering	JOB = 2278	DESIGNED - NAK	REVISED -	<b>SANGAMON VALLEY TRAIL</b>	<b>PLAN AND PROFILE</b>			F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	FILE NAME = 2278-shr-plan2.dgn	DRAWN - SJS	REVISED -					10-00173-02-BT	SANGAMON	157	43	
	PLOT SCALE = 1/8" = 1'-0"	CHECKED - NAK	REVISED -					CONTRACT NO. 93687				
	PLOT DATE = 3/24/2016	DATE = 1/7/2014	REVISED -					FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

DATE	
BY	
PLAN	
NO.	
NO. OF SHEETS	
NO. OF SHEETS CHECKED	
NO. OF SHEETS NOT CHECKED	
NO. OF SHEETS FILED	

DATE	
BY	
PROFILE	
NO.	
NO. OF SHEETS	
NO. OF SHEETS CHECKED	
NO. OF SHEETS NOT CHECKED	
NO. OF SHEETS FILED	

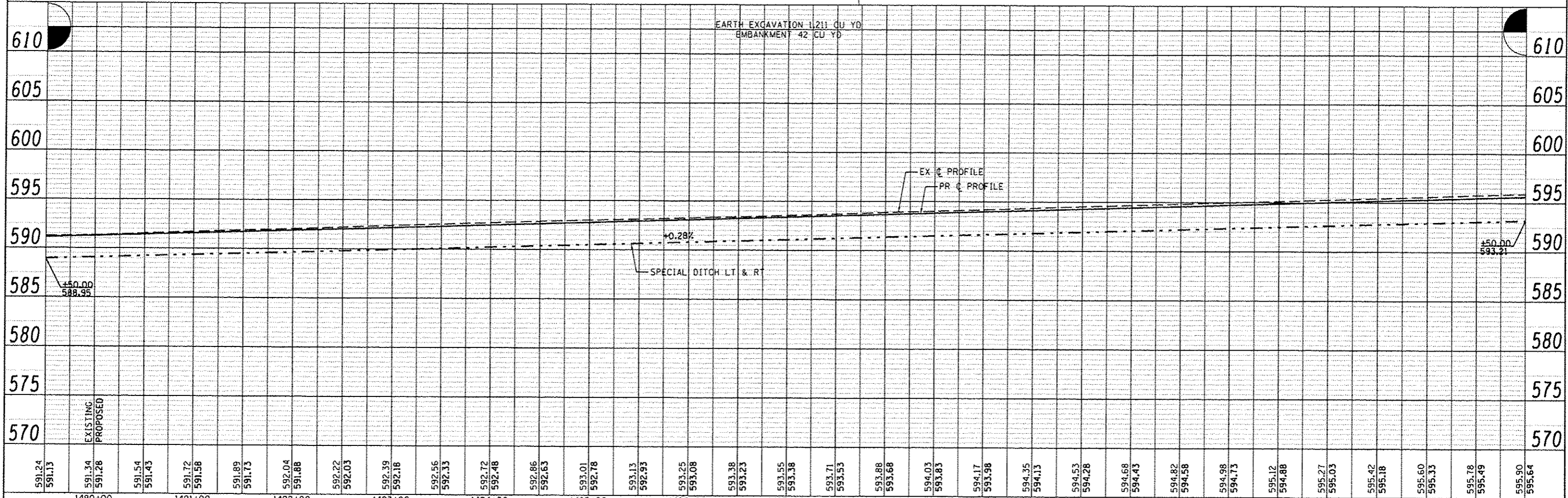
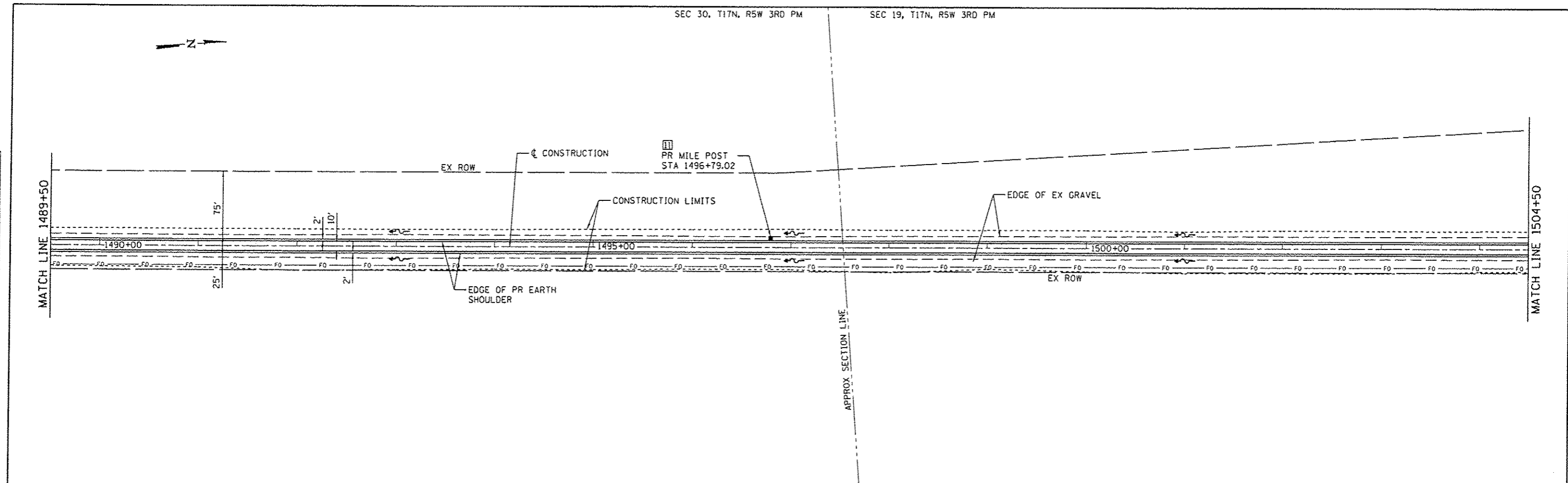


<p>Cummins Engineering Corporation Civil and Structural Engineering</p>	JOB = 2278	DESIGNED - NAK	REVISIED -	<p><b>SANGAMON VALLEY TRAIL</b></p>	<p><b>PLAN AND PROFILE</b></p>	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	FILE NAME = 2278-shr-plan2.dgn	DRAWN - SJS	REVISIED -			10-00173-02-BT	SANGAMON	157	44	
	PLT SCALE = 1/8" = 1'-0"	CHECKED - NAK	REVISIED -			CONTRACT NO. 93687				
	PLT DATE = 3/24/2016	DATE = 1/7/2014	REVISIED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



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

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



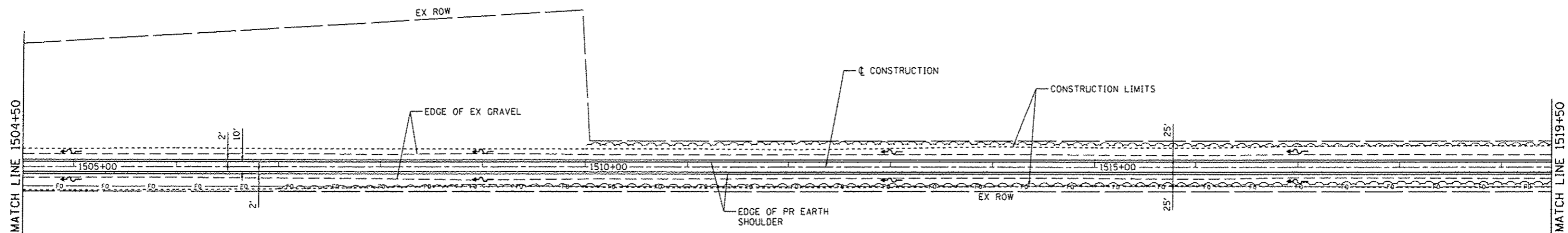
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1490+00		1491+00		1492+00		1493+00		1494+00		1495+00		1496+00		1497+00		1498+00		1499+00		1500+00		1501+00		1502+00		1503+00		1504+00																																		

<b>CEC</b> Cummins Engineering Corporation Civil and Structural Engineering	JOB = 2278	DESIGNED - NAK	REVISED -
	FILE NAME = 2278-shl-plan3.dgn	DRAWN - SJS	REVISED -
	PLT SCALE = 1/8" = 100'-0" / IN.	CHECKED - NAK	REVISED -
	PLT DATE = 3/24/2016	DATE - 1/7/2014	REVISED -

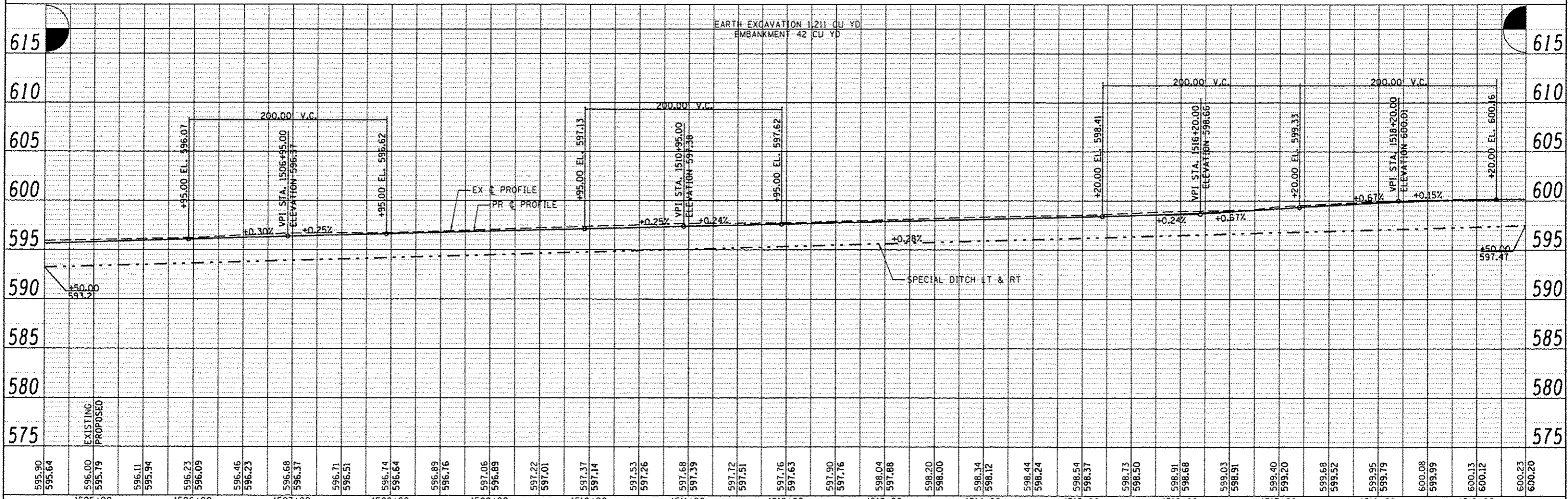
<b>SANGAMON VALLEY TRAIL</b>		<b>PLAN AND PROFILE</b>	
SCALE:	SHEET NO. OF SHEETS	STA. 1489+50 TO STA. 1504+50	

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	10-00173-02-BT	SANGAMON	157	46
CONTRACT NO. 93687			ILLINOIS FED. AID PROJECT	

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



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



595.90	595.64	596.00	595.79	596.11	595.94	596.23	596.09	596.46	596.23	596.68	596.37	596.71	596.51	596.74	596.64	596.89	596.76	597.06	596.89	597.22	597.01	597.37	597.14	597.53	597.26	597.68	597.39	597.72	597.51	597.76	597.63	597.90	597.76	598.04	597.88	598.20	598.00	598.34	598.12	598.44	598.24	598.54	598.37	598.73	598.50	598.91	598.68	599.03	598.91	599.40	599.20	599.68	599.52	599.95	599.79	600.08	599.99	600.13	600.12	600.23	600.20
1505+00		1506+00		1507+00		1508+00		1509+00		1510+00		1511+00		1512+00		1513+00		1514+00		1515+00		1516+00		1517+00		1518+00		1519+00																																	



JOB : 2278	DESIGNED - NAK	REVISED -
FILE NAME : 2278-shr-plan3.dgn	DRAWN - SJS	REVISED -
PLT SCALE : 100.0000' / IN.	CHECKED - NAK	REVISED -
PLT DATE : 3/24/2016	DATE - 1/7/2014	REVISED -

**SANGAMON VALLEY TRAIL**

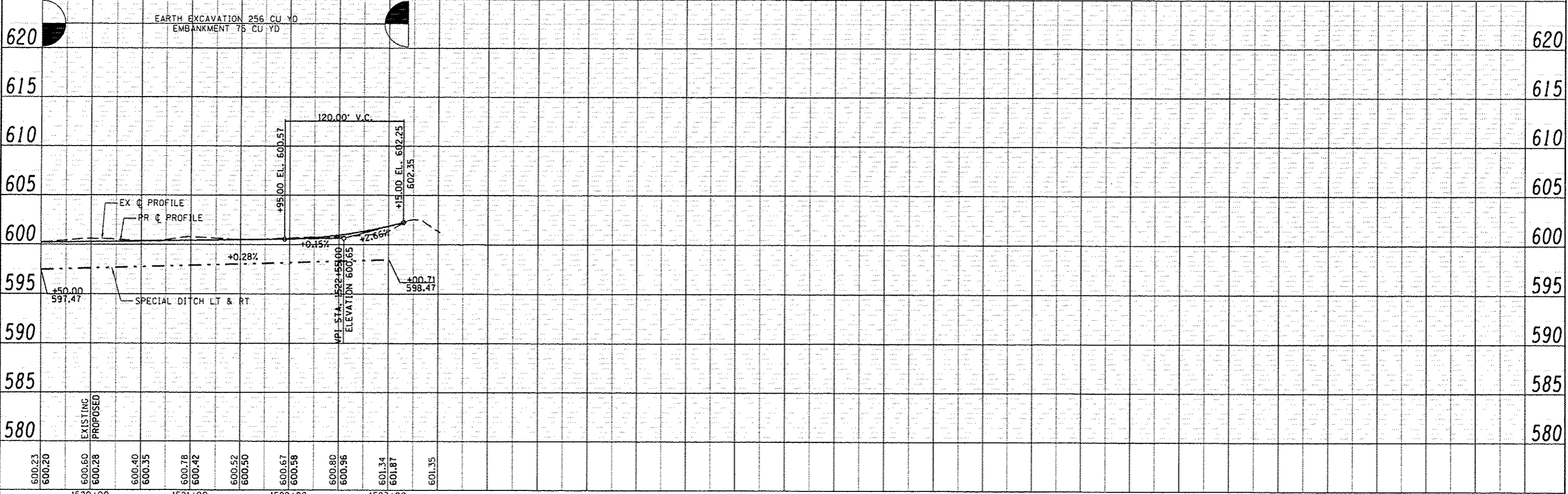
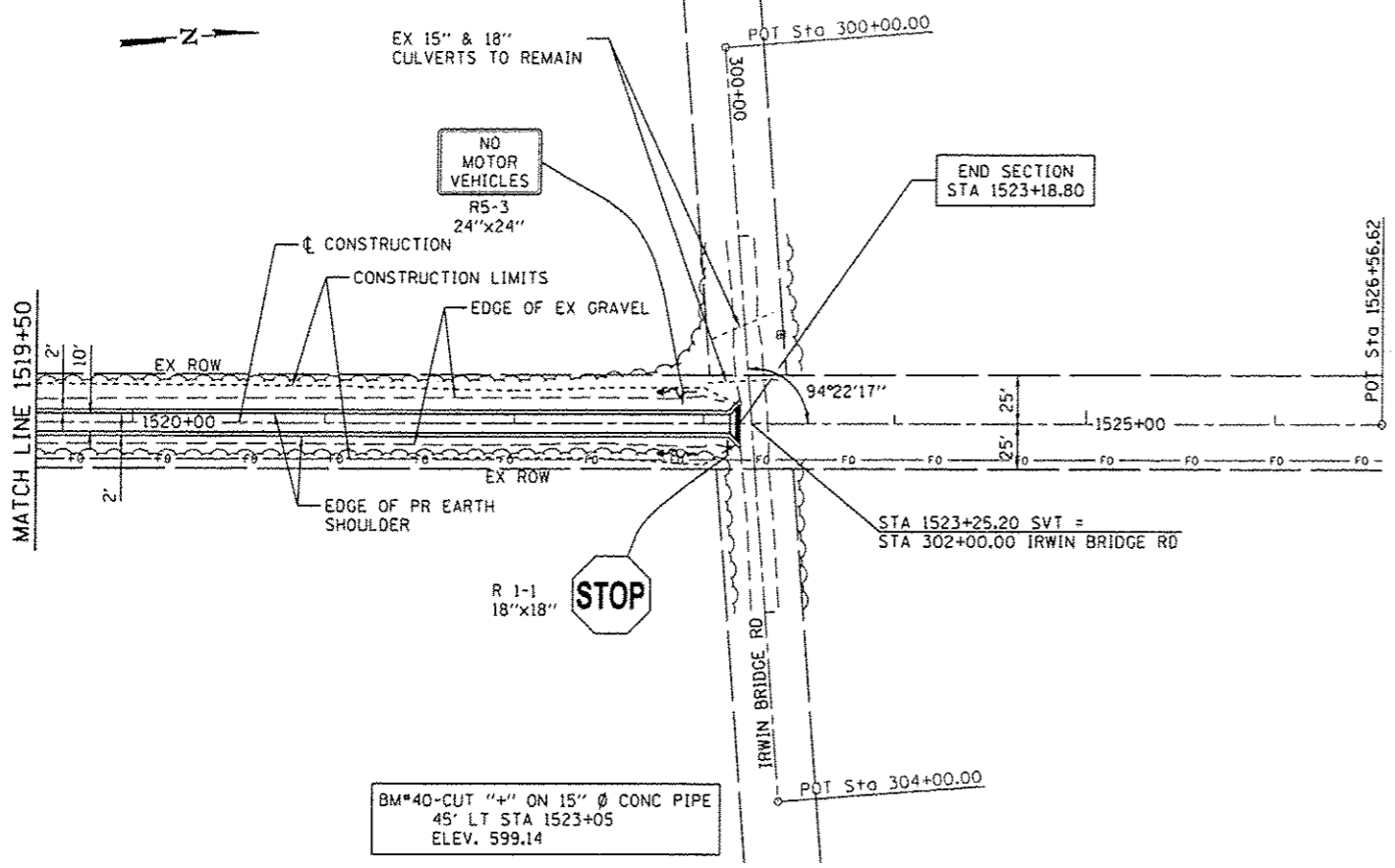
**PLAN AND PROFILE**

SCALE: SHEET NO. OF SHEETS STA. 1504+50 TO STA. 1519+50

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	10-00173-02-8T	SANGAMON	157	47
CONTRACT NO. 93687				
ILLINOIS FED. AID PROJECT				

DATE	
BY	
DESIGNED	
DRAWN	
CHECKED	
DATE	
BY	
DATE	
BY	

DATE	
BY	
DESIGNED	
DRAWN	
CHECKED	
DATE	
BY	
DATE	
BY	



**CEC** Cummins Engineering Corporation  
Civil and Structural Engineering

JOB #	2278	DESIGNED	- NAK	REVISED	-
FILE NAME	2278-shs-plan3.dgn	DRAWN	- SJS	REVISED	-
PLOT SCALE	1/8" = 1'-0"	CHECKED	- NAK	REVISED	-
PLOT DATE	3/25/2016	DATE	- 1/7/2014	REVISED	-

**SANGAMON VALLEY TRAIL**

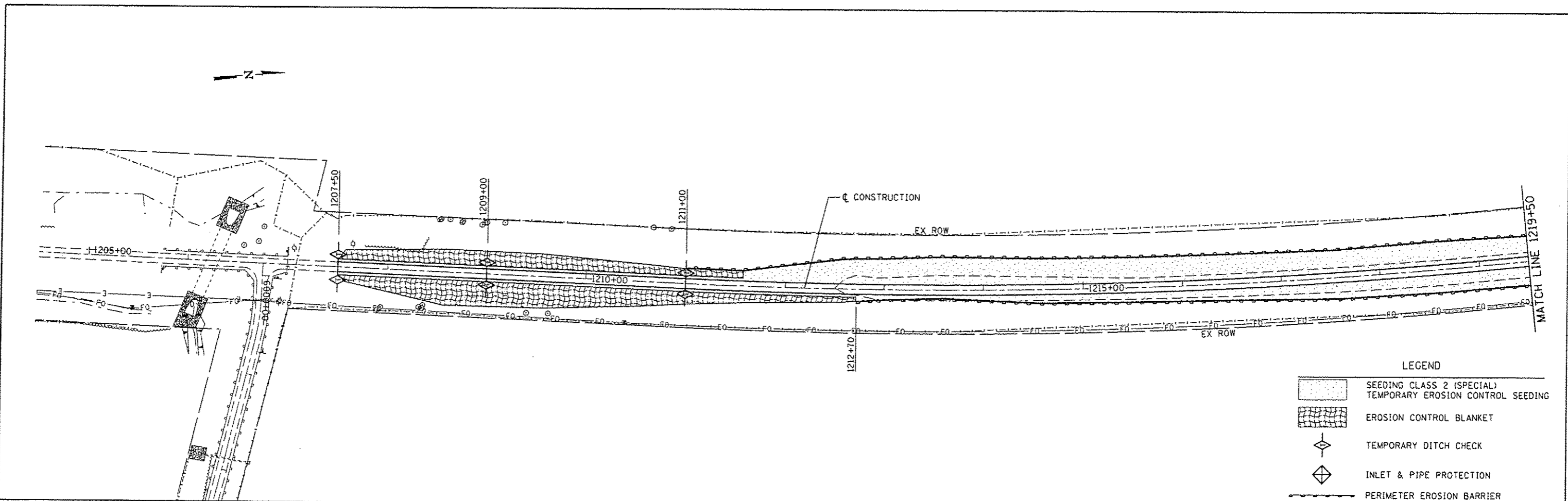
**PLAN AND PROFILE**

SCALE: SHEET NO. OF SHEETS STA. 1519+50 TO STA. 1526+56.62






F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	10-00173-02-BT	SANGAMON	157	48
CONTRACT NO. 93687			ILLINOIS FED. AID PROJECT	







**LEGEND**

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

**DESCRIPTION OF CONSTRUCTION ACTIVITY**

1. The project consists of constructing multi use trail, and construction of a parking lot and connector trail.
2. Construction consists of timber superstructures on two existing bridges, embankments, aggregate base course, HMA surface course, and other miscellaneous work to complete the improvements to the proposed roadways.

**SEQUENCE OF MAJOR CONSTRUCTION ACTIVITIES**

1. Construct bridge superstructures
2. Excavate and grade trail subgrade
3. Construct embankments and excavate ditches for parking lot and connector trail
4. Place embankment of rest stops
5. Construct Aggregate Base Course and HMA Surface Course
6. Place embankment for earth shoulder
7. Final grading, seeding, and landscaping

The following plan was established and included in these plans to direct the Contractor in the placement of temporary erosion control systems and to provide a storm water pollution prevention plan for compliance under NPDES. The Contractor shall abide to all requirements within this plan as part of the contract.

The purpose of this plan is to prevent / minimize siltation within the construction zone and to eliminate sediments from entering and leaving the construction zone by utilizing proper temporary erosion control systems and providing ground cover within a reasonable time.

Certain items, as shown in this plan and referenced by the legend, shall be placed by the Contractor at the beginning of construction. Other items shall be placed by the Contractor as directed by the Engineer on a case by case situation resulting from the Contractor's sequence of activities, time of the year, and expected weather conditions.

The Contractor shall place permanent erosion control systems and seeding within a reasonable amount of time; therefore, reducing the amount of area being open to the possibility of erosion and reducing the amount of temporary erosion control systems and temporary seeding. The Resident Engineer will determine if temporary erosion control systems shown in the plan can be deleted, the size of the proposed ditch checks, the proper method of installation, and if any additional temporary erosion control systems shall be added which are not included in this plan. The Contractor shall perform all work as directed by the Engineer and as shown in special details and in Standard 280001 of the plans.



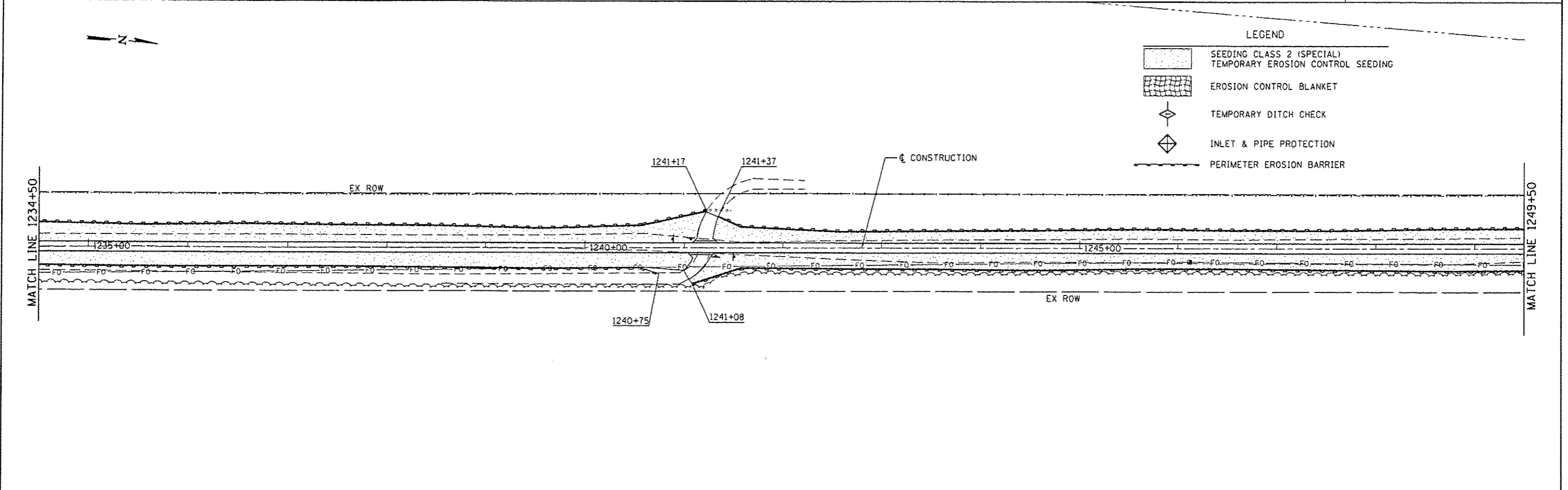
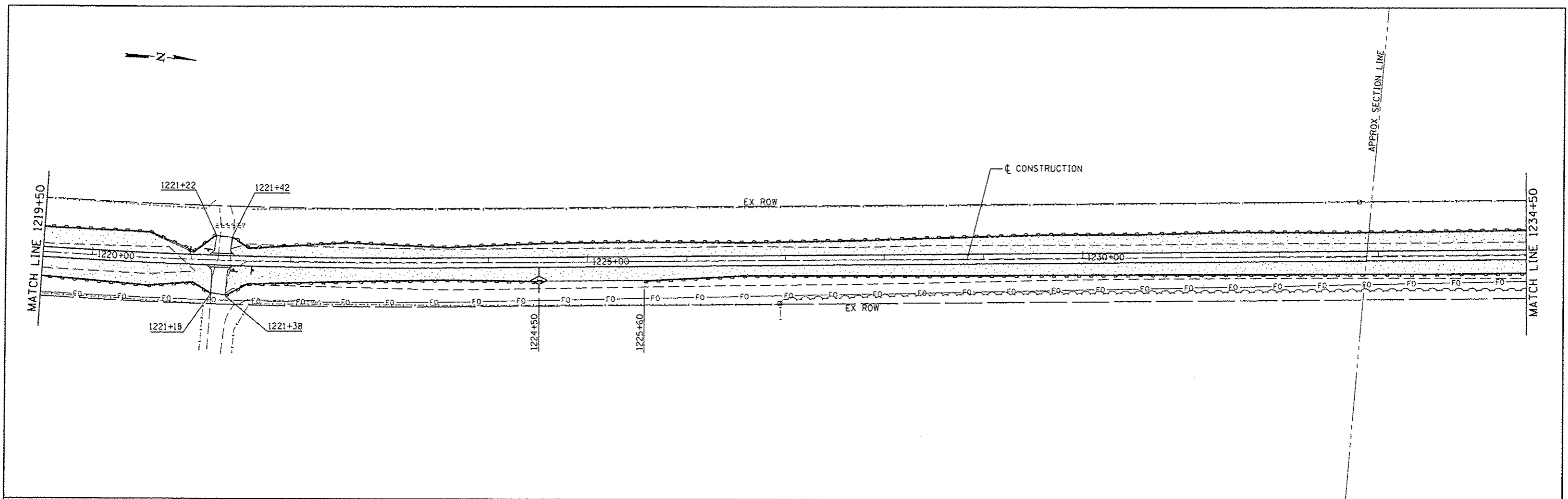
JOB # 2278	DESIGNED - NAK	REVISED -
FILE NAME = 2278-ahs-rasandgn	DRAWN - SJS	REVISED -
PLOT SCALE = 100.0000' / IN.	CHECKED - NAK	REVISED -
PLOT DATE = 3/24/2016	DATE - 1/7/2014	REVISED -

**SANGAMON VALLEY TRAIL**





**EROSION CONTROL PLAN**

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	10-00173-02-BT	SANGAMON	157	50
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 93687	

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



**LEGEND**

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

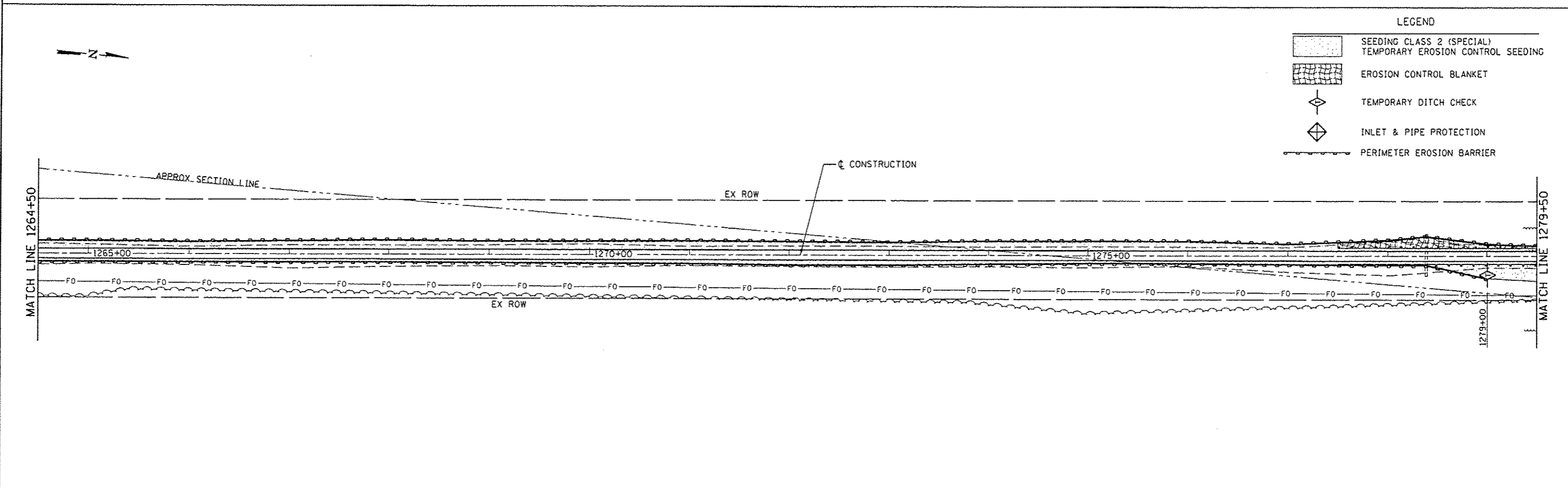
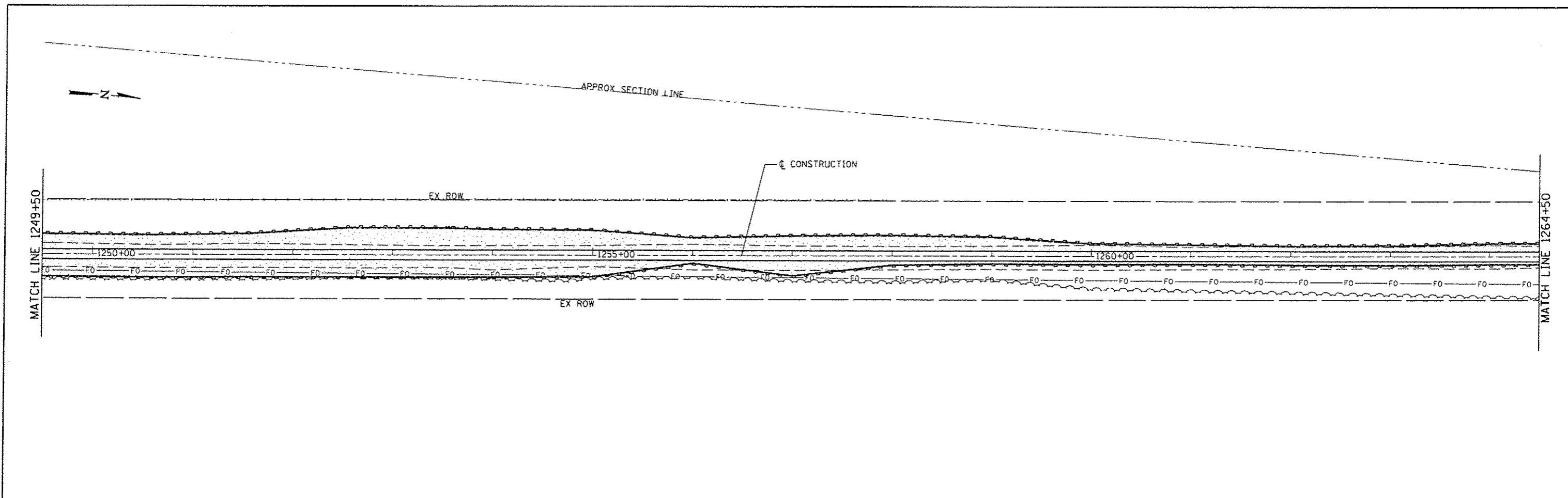


JOB - 2278	DESIGNED - NAK	REVISED -
FILE NAME - 2278-eh-erosion.dgn	DRAWN - SJS	REVISED -
PLOT SCALE - 100.0000' / IN.	CHECKED - NAK	REVISED -
PLOT DATE - 3/24/2016	DATE - 1/7/2014	REVISED -






**SANGAMON VALLEY TRAIL**

**EROSION CONTROL PLAN**

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	10-00173-02-BT	SANGAMON	157	51
CONTRACT NO. 93687				
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				



**LEGEND**

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



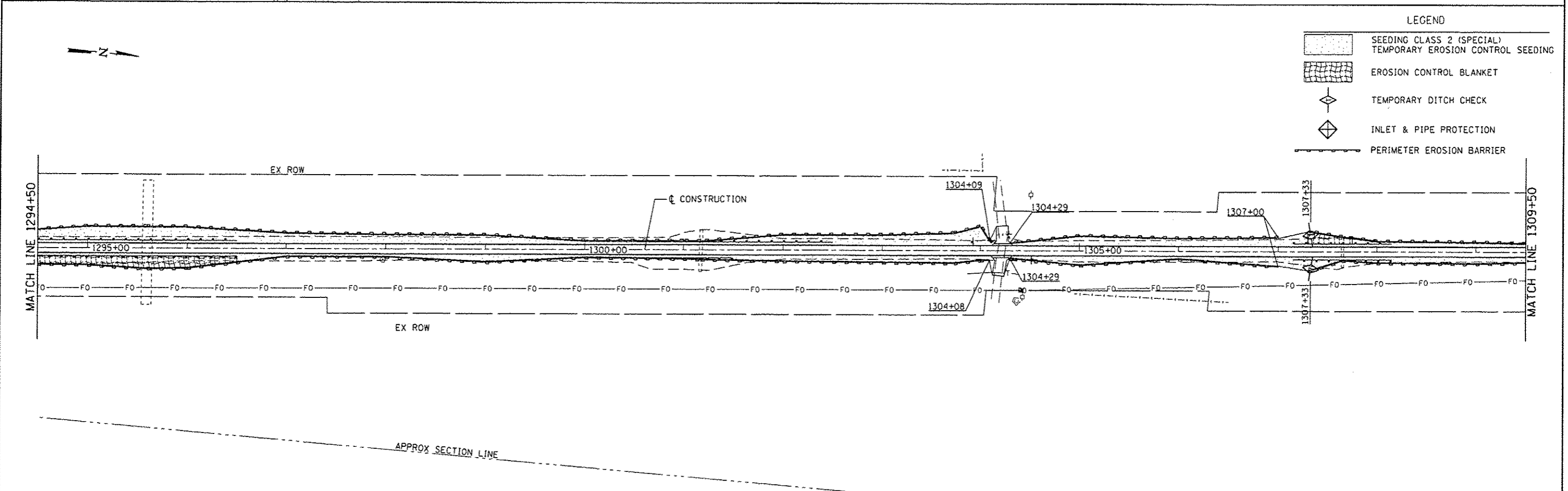
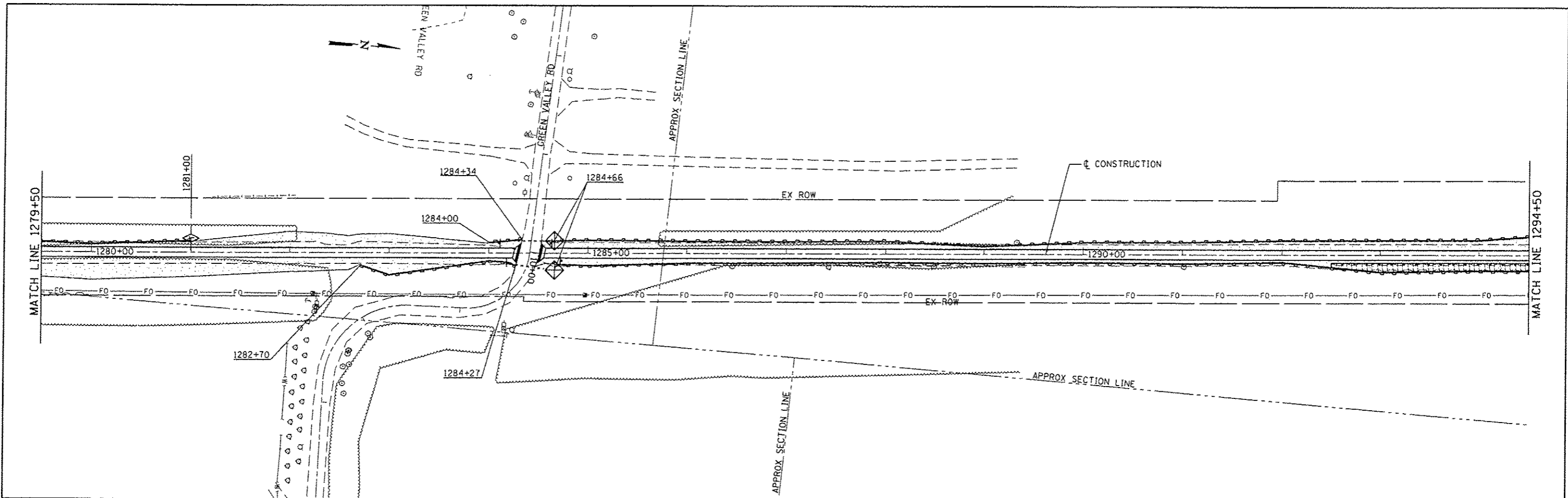
JOB - 227B	DESIGNED - NAK	REVISED -
FILE NAME - 227B-SP-1-erosion.dgn	DRAWN - SJS	REVISED -
PLOT SCALE - 100.0000' / 1" IN.	CHECKED - NAK	REVISED -
PLOT DATE - 3/24/2016	DATE - 1/7/2014	REVISED -

**SANGAMON VALLEY TRAIL**


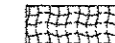


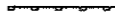
**EROSION CONTROL PLAN**

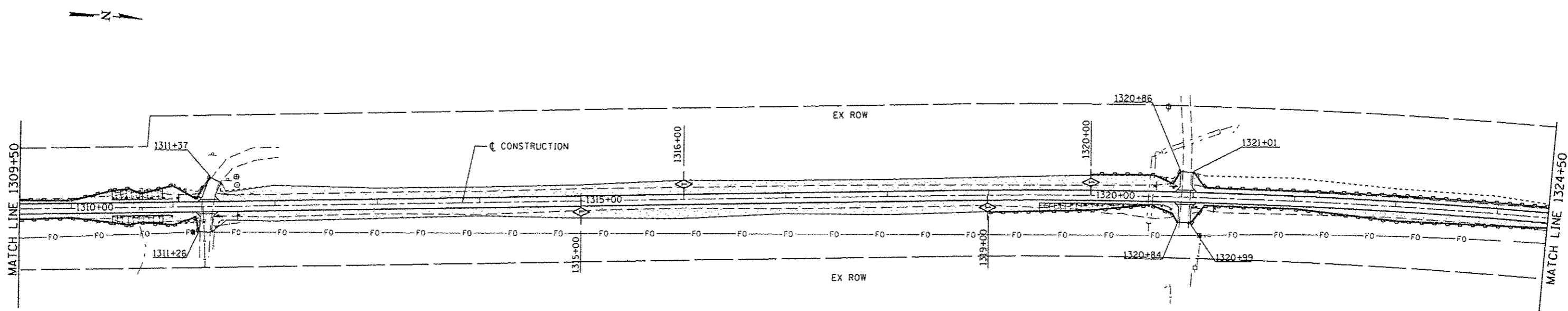
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	10-00173-02-BT	SANGAMON	157	52
CONTRACT NO. 93687				
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

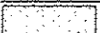



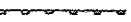
SCALE: SHEET NO. OF SHEETS STA. TO STA.

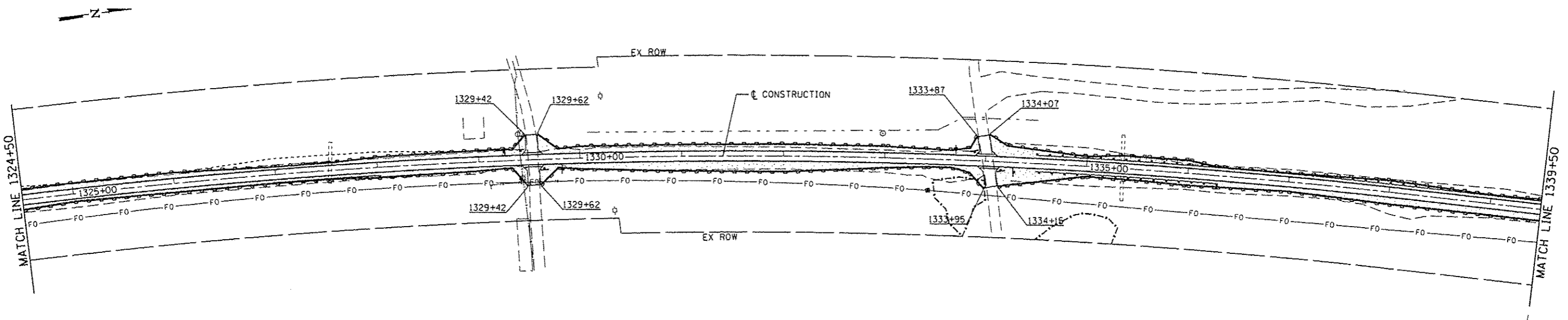


LEGEND

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

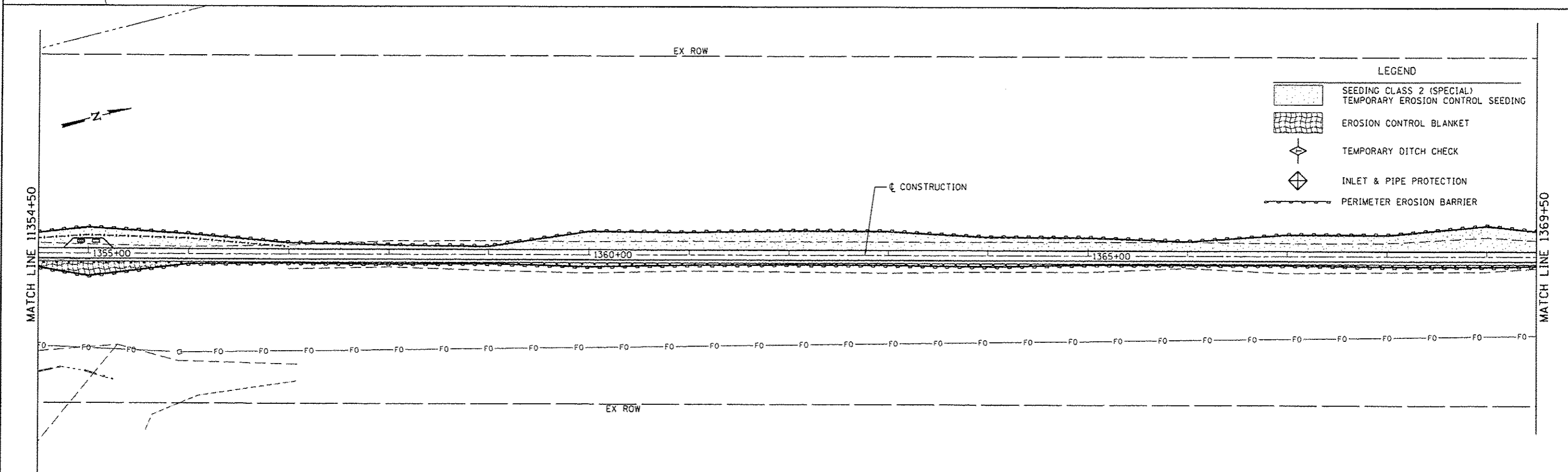
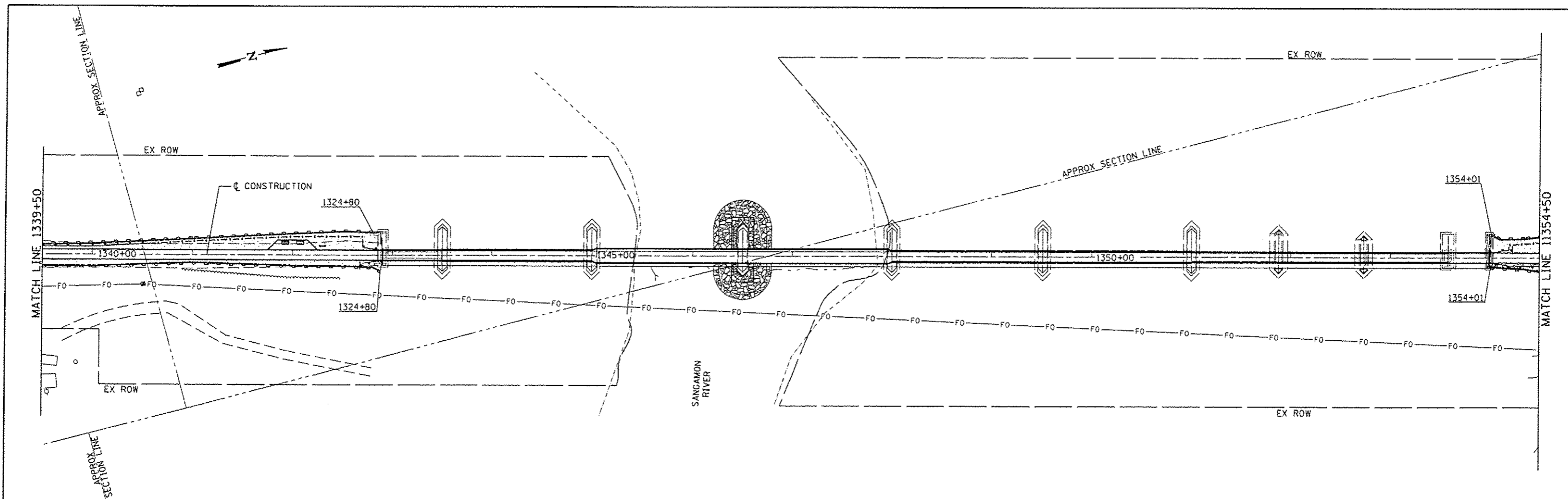


- LEGEND
-  SEEDING CLASS 2 (SPECIAL) TEMPORARY EROSION CONTROL SEEDING
  -  EROSION CONTROL BLANKET
  -  TEMPORARY DITCH CHECK
  -  INLET & PIPE PROTECTION
  -  PERIMETER EROSION BARRIER


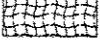




APPROX SECTION LINE

<b>CEC</b> Cummins Engineering Corporation Civil and Structural Engineering	JOB : 2278	DESIGNED - NAK	REVISED -	<b>SANGAMON VALLEY TRAIL</b>	<b>EROSION CONTROL PLAN</b>			F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	FILE NAME : 2278-ah-erosion.dgn	DRAWN - SJS	REVISED -					10-00173-02-BT	SANGAMON	157	54	
	PLOT SCALE : 1/8" = 1' IN.	CHECKED - NAK	REVISED -					CONTRACT NO. 93687				
	PLOT DATE : 3/24/2016	DATE - 1/7/2014	REVISED -					FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
				SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.			



**LEGEND**

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



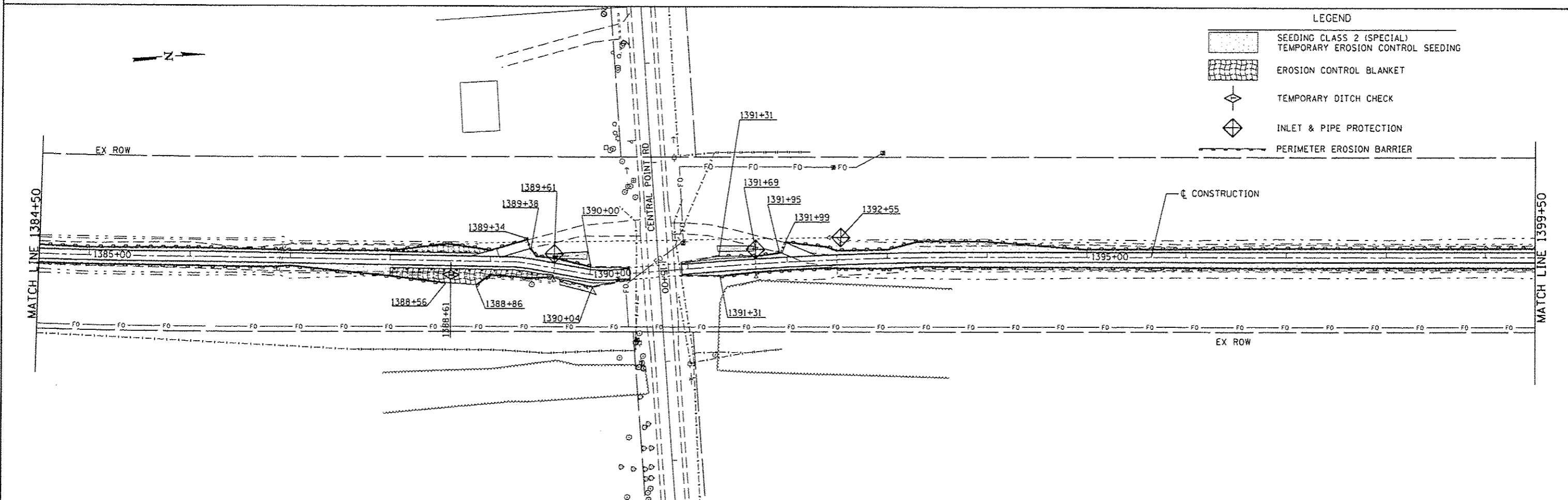
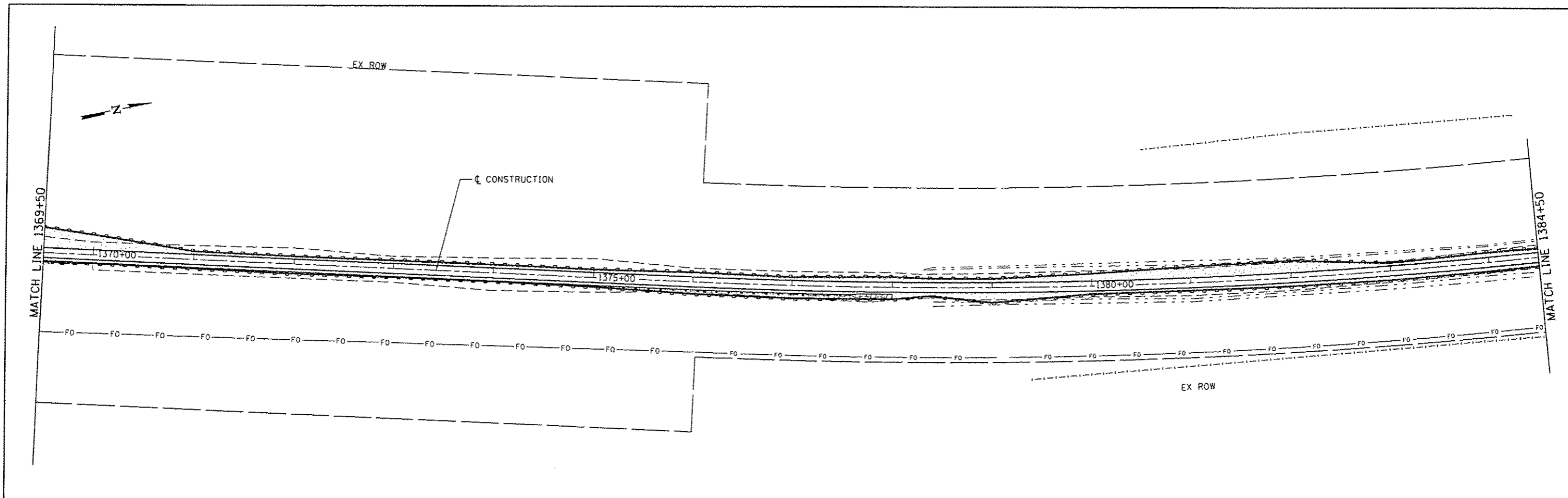
JOB - 227B	DESIGNED - NAK	REVISED -
FILE NAME - 227B-ehs-erosion.dgn	DRAWN - SJS	REVISED -
PLOT SCALE - 100.0000' / IN.	CHECKED - NAK	REVISED -
PLOT DATE - 3/24/2016	DATE - 1/7/2014	REVISED -

**SANGAMON VALLEY TRAIL**






**EROSION CONTROL PLAN**

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

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	10-00173-02-BT	SANGAMON	157	55
CONTRACT NO. 93687				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



**LEGEND**

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

**CEC** Cummins Engineering Corporation  
Civil and Structural Engineering

JOB - 2278  
FILE NAME - 2278-eh-erosion.dgn  
PLOT SCALE - 100.0000' / 1" IN.  
PLOT DATE - 3/24/2018

DESIGNED - NAK  
DRAWN - SJS  
CHECKED - NAK  
DATE - 1/7/2014

REVISED -  
REVISED -  
REVISED -  
REVISED -

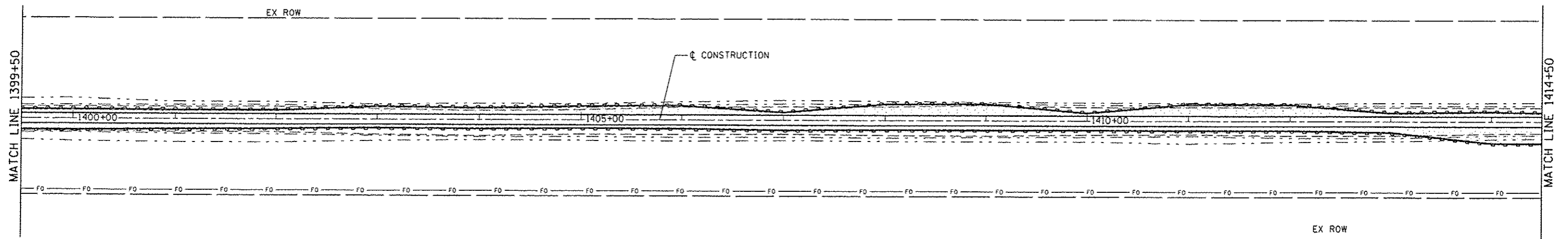
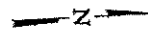
**SANGAMON VALLEY TRAIL**

**EROSION CONTROL PLAN**

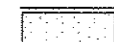
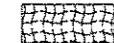


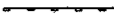
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	10-00173-02-BT	SANGAMON	157	56
CONTRACT NO. 93687				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

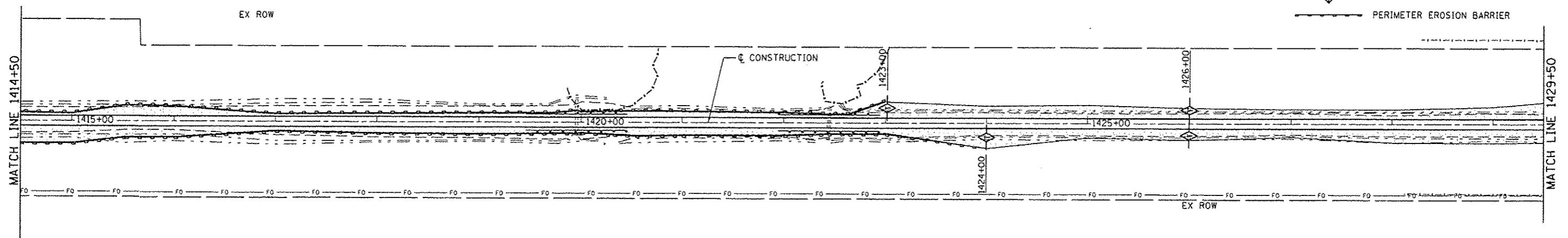
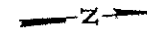
SCALE: SHEET NO. OF SHEETS STA. TO STA.





**LEGEND**

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



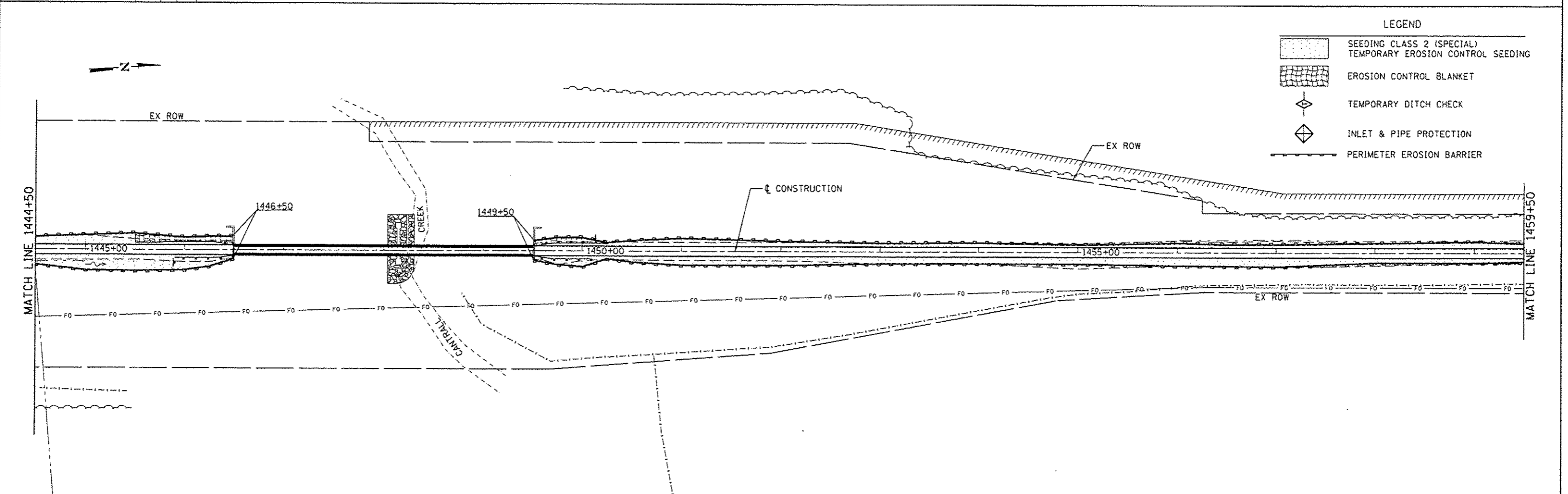
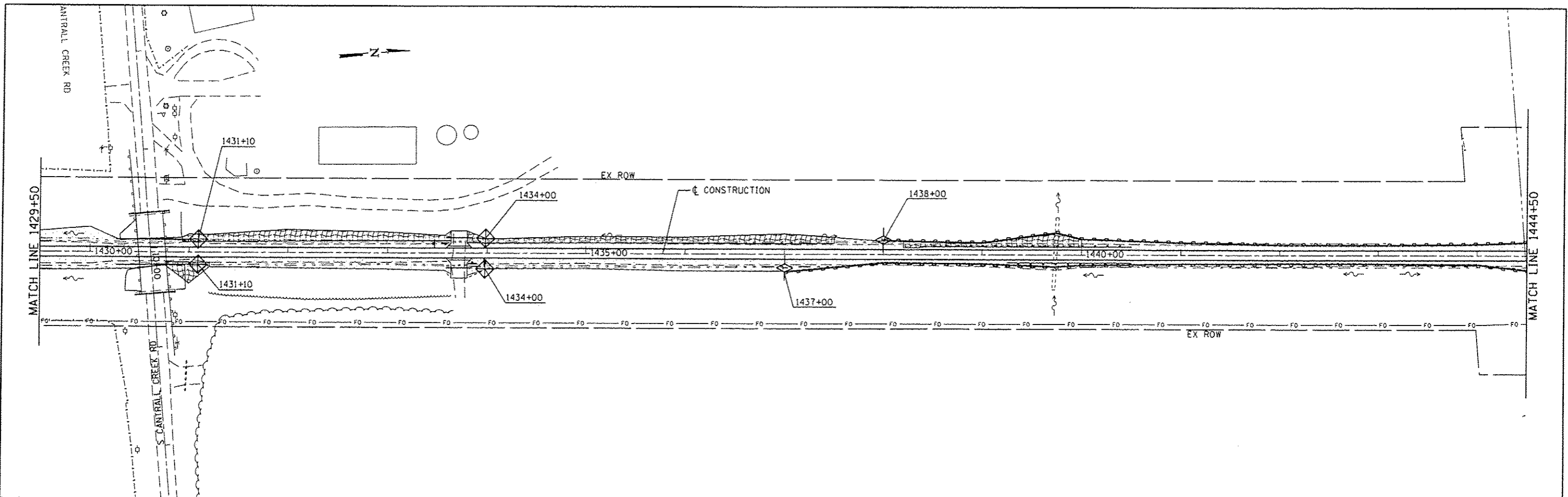
JOB - 2278	DESIGNED - NAK	REVISED -
FILE NAME - 2278-eh-erosion.dgn	DRAWN - SJS	REVISED -
PLOT SCALE - 100.0000' / IN.	CHECKED - NAK	REVISED -
PLOT DATE - 3/24/2016	DATE - 1/7/2014	REVISED -

**SANGAMON VALLEY TRAIL**






**EROSION CONTROL PLAN**

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

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	10-00173-02-BT	SANGAMON	157	57
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 93687	



**LEGEND**

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

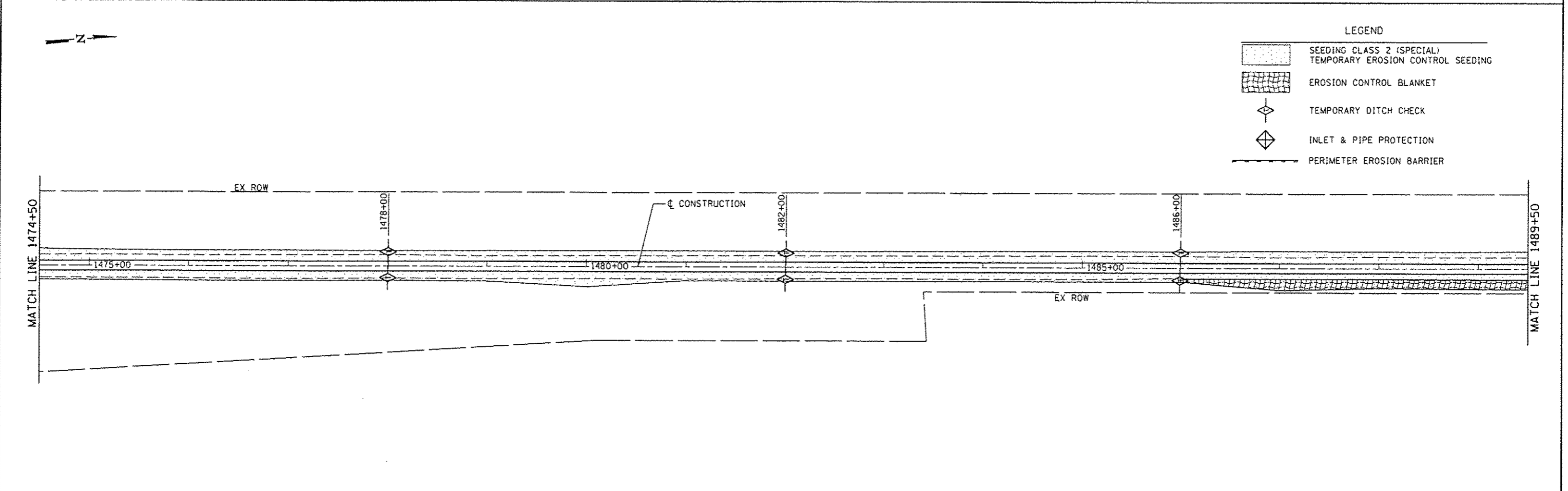
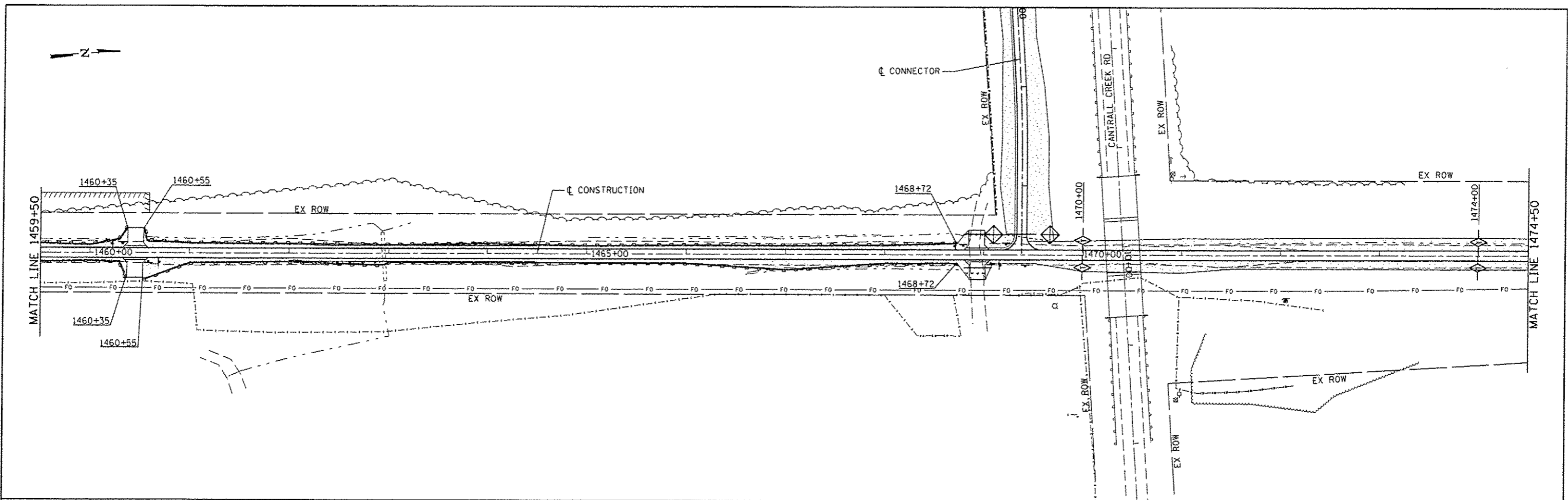


JOB : 2278	DESIGNED - NAK	REVISED -
FILE NAME : 2278-ent-erosion.dgn	DRAWN - SJS	REVISED -
PLOT SCALE : 100.0000' / IN.	CHECKED - NAK	REVISED -
PLOT DATE : 3/24/2016	DATE - 1/7/2014	REVISED -







**SANGAMON VALLEY TRAIL**

<b>EROSION CONTROL PLAN</b>			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	10-00173-02-BT	SANGAMON	157	58
CONTRACT NO. 93687				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



LEGEND

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

**CEC** Cummins Engineering Corporation  
Civil and Structural Engineering

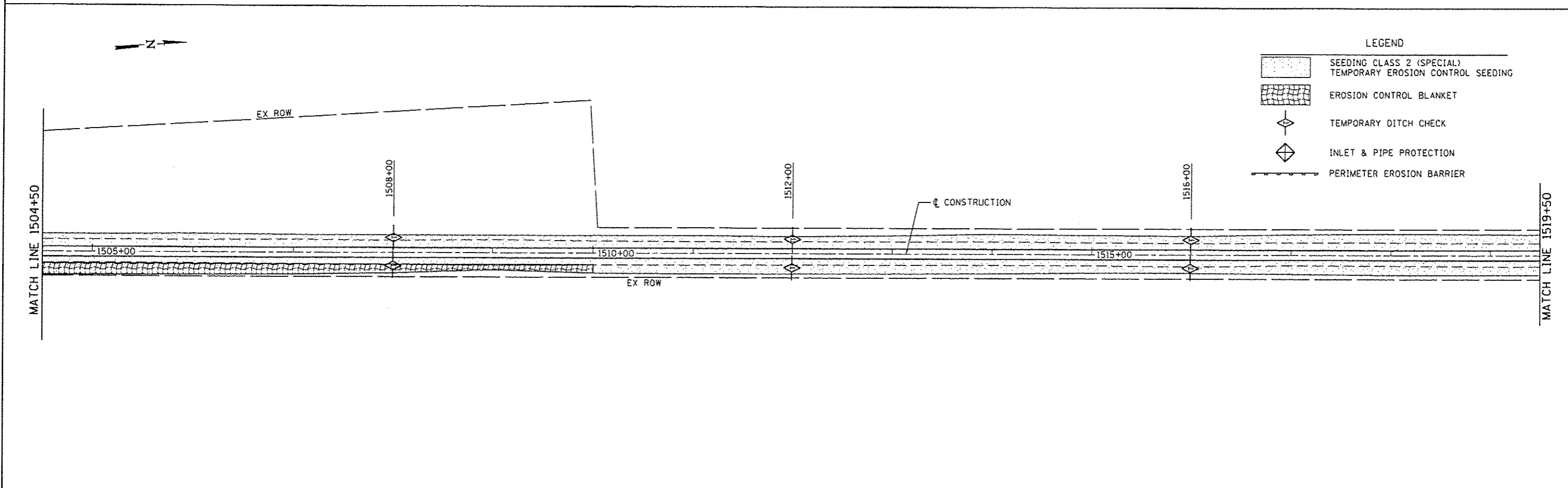
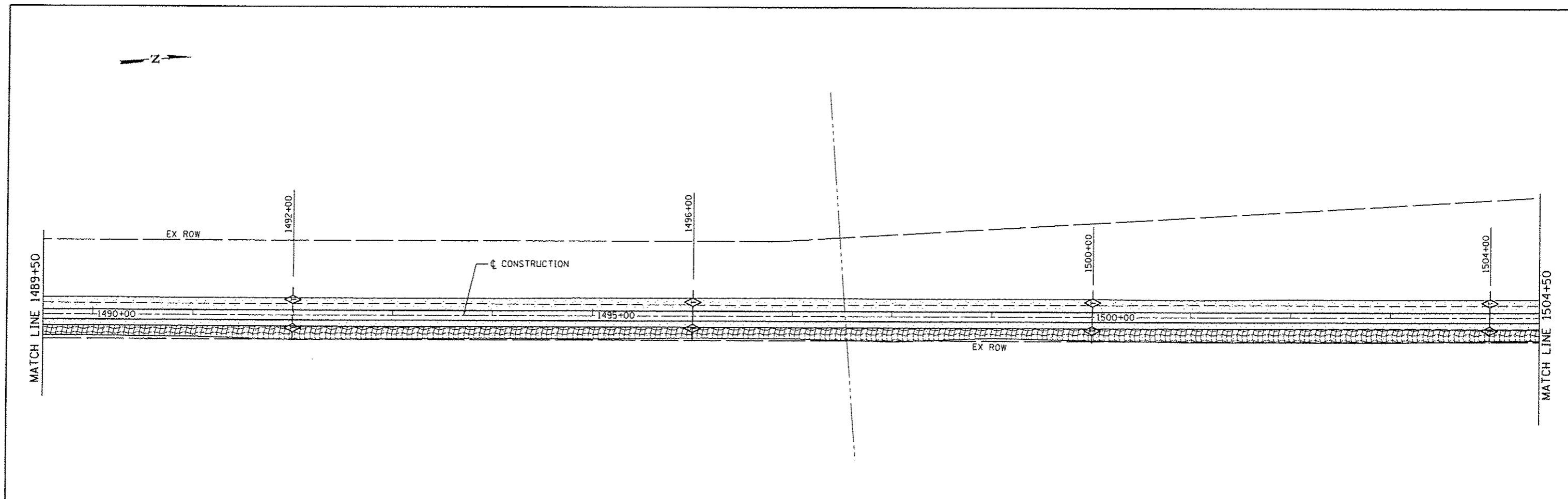
JOB : 2278	DESIGNED - NAK	REVISED -
FILE NAME : 2278-ehs-erosion.dgn	DRAWN - SJS	REVISED -
PLOT SCALE : 100.0000' / IN.	CHECKED - NAK	REVISED -
PLOT DATE : 2/24/2016	DATE - 1/7/2014	REVISED -

DESIGNED - NAK	REVISED -
DRAWN - SJS	REVISED -
CHECKED - NAK	REVISED -
DATE - 1/7/2014	REVISED -






**SANGAMON VALLEY TRAIL**

<b>EROSION CONTROL PLAN</b>			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

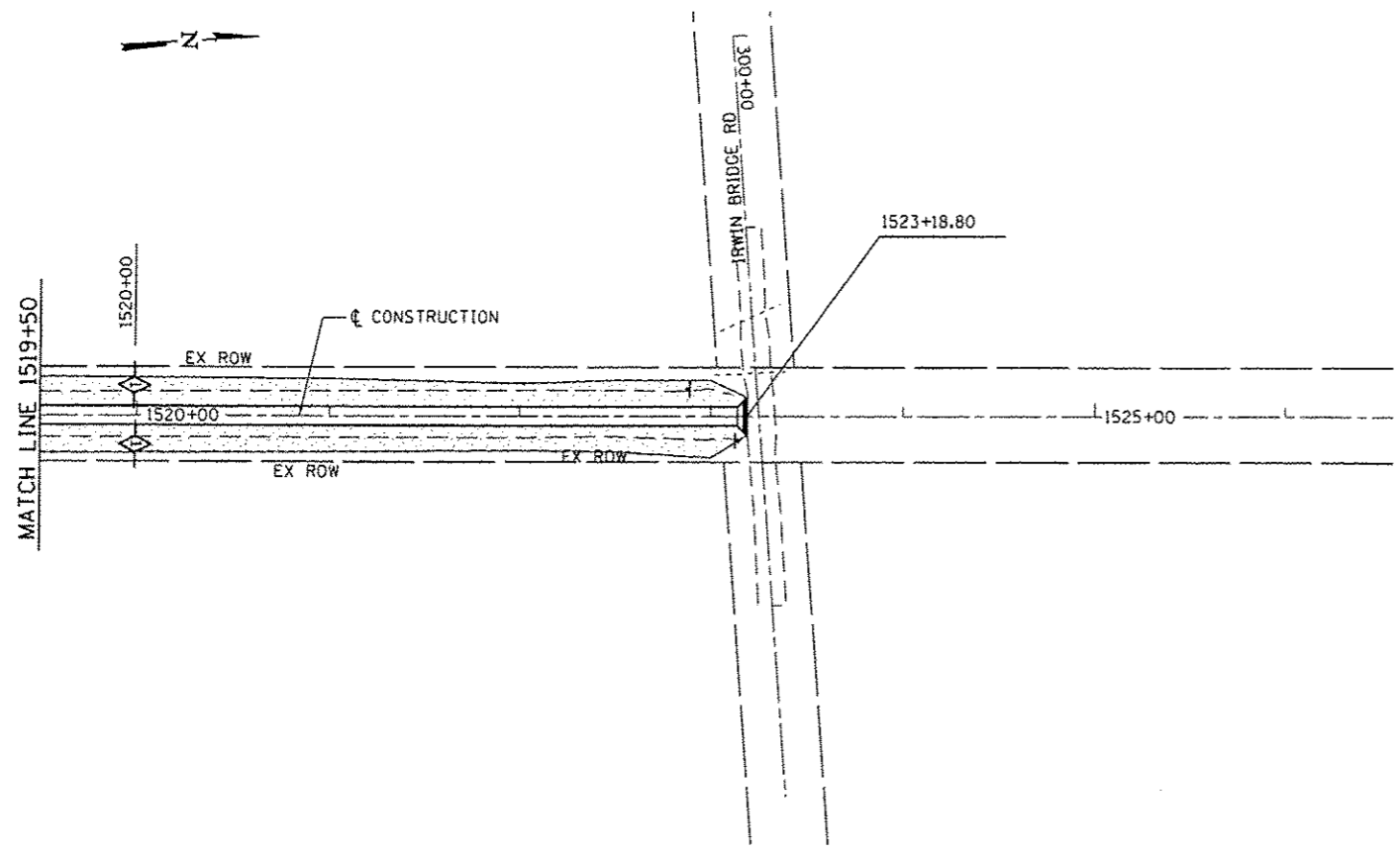
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	10-00173-02-BT	SANGAMON	157	59
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 93687	

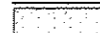
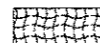





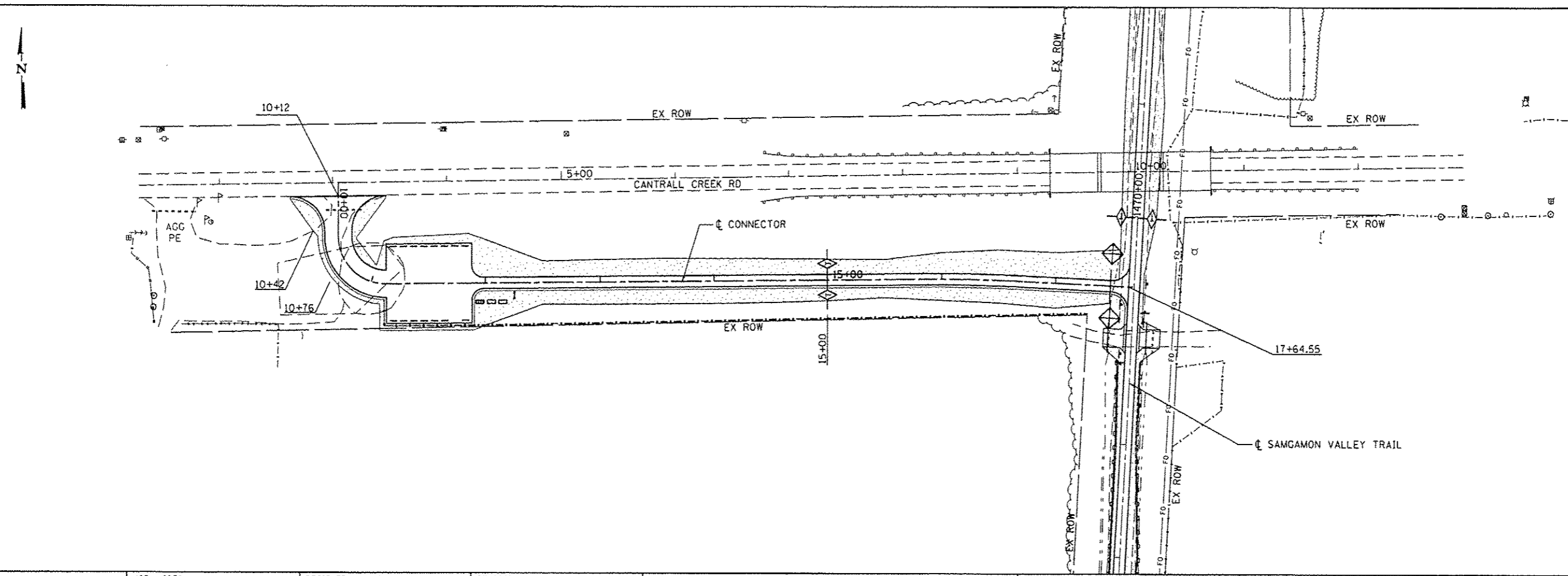
**LEGEND**

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

<b>CEC</b> <small>Civil and Structural Engineering</small>	JOB # 2278	DESIGNED - NAK	REVISED -	<b>SANGAMON VALLEY TRAIL</b>	<b>EROSION CONTROL PLAN</b>	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	FILE NAME : 2278-ehc-erosion.dgn	DRAWN - SJS	REVISED -			10-00173-02-BT	SANGAMON	157	60	
	PLOT SCALE : 1/80.0000 "/> <td>CHECKED - NAK</td> <td>REVISED -</td> <td colspan="3" style="text-align: center;">CONTRACT NO. 93687</td>	CHECKED - NAK	REVISED -			CONTRACT NO. 93687				
	PLOT DATE : 3/24/2016	DATE : 1/7/2014	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
					SCALE:	SHEET NO. OF SHEETS		STA. TO STA.		



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



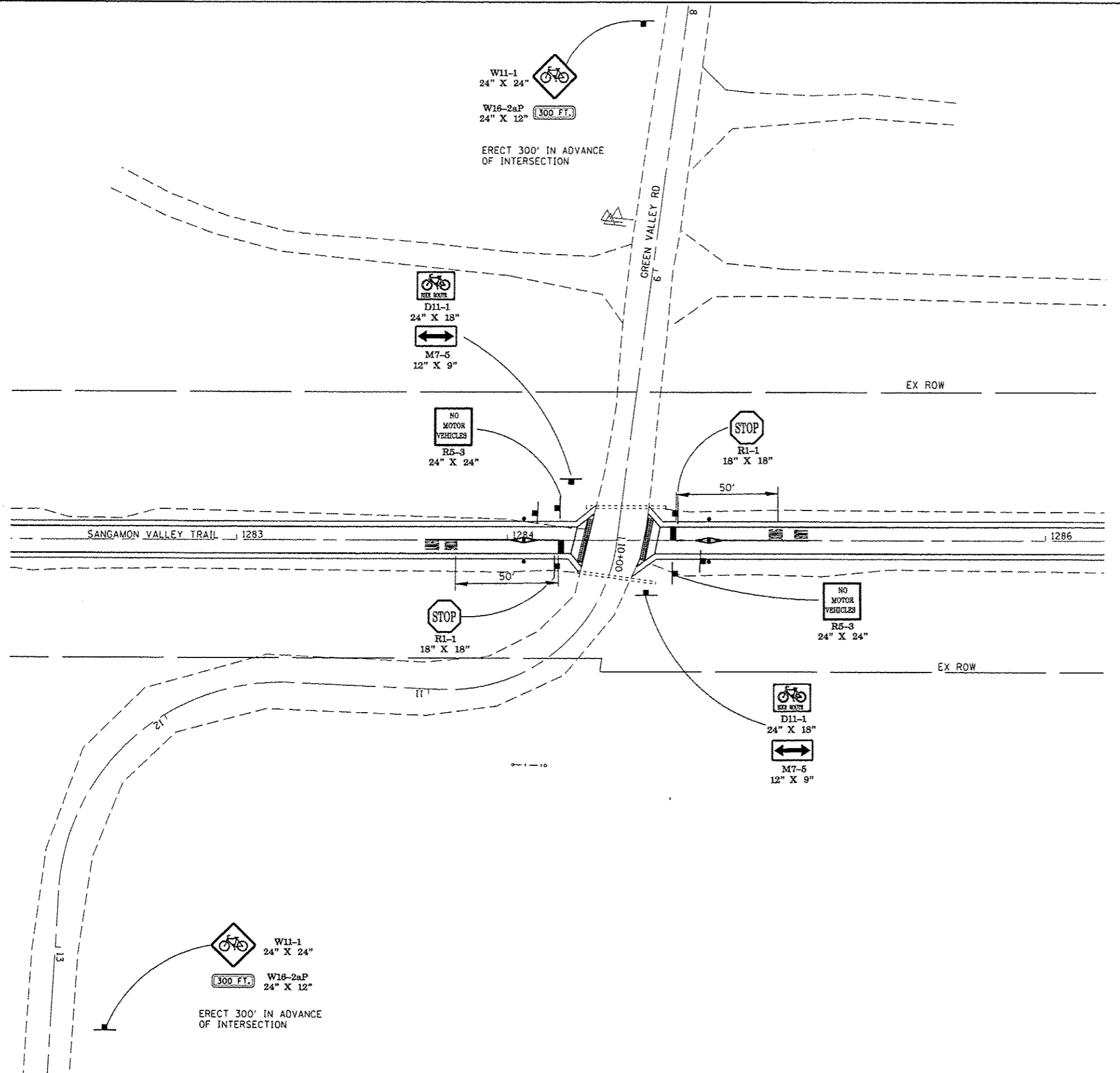
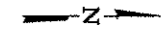
**CEC** Cummins Engineering Corporation  
Civil and Structural Engineering

JOB # 2278	DESIGNED - NAK	REVISED -
FILE NAME : 2278-shs-erosion.dgn	DRAWN - SJS	REVISED -
PLOT SCALE : 100.0000' / IN.	CHECKED - NAK	REVISED -
PLOT DATE : 3/24/2016	DATE - 1/7/2014	REVISED -






**SANGAMON VALLEY TRAIL**

EROSION CONTROL PLAN			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	10-00173-02-BT	SANGAMON	157	61
CONTRACT NO. 93687				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



LEGEND

-  PR PAINT PAVEMENT MARKING - LINE 24" WHITE STOP BAR (SEE DETAIL)
-  PR PAINT PAVEMENT MARKING - LINE 4" (WHITE)  
PR BOLLARDS QUICK RELEASE  
PR BOLLARDS (SEE DETAIL)
-  PR PAINT PAVEMENT MARKING - LETTERS & SYMBOLS (WHITE) (SEE DETAIL)
-  PR SIGN PANEL TYPE 1  
PR TELESCOPING STEEL SIGN SUPPORT
-  PR PCC SIDEWALK 6"  
PR DETECTABLE WARNINGS (SEE DETAIL)



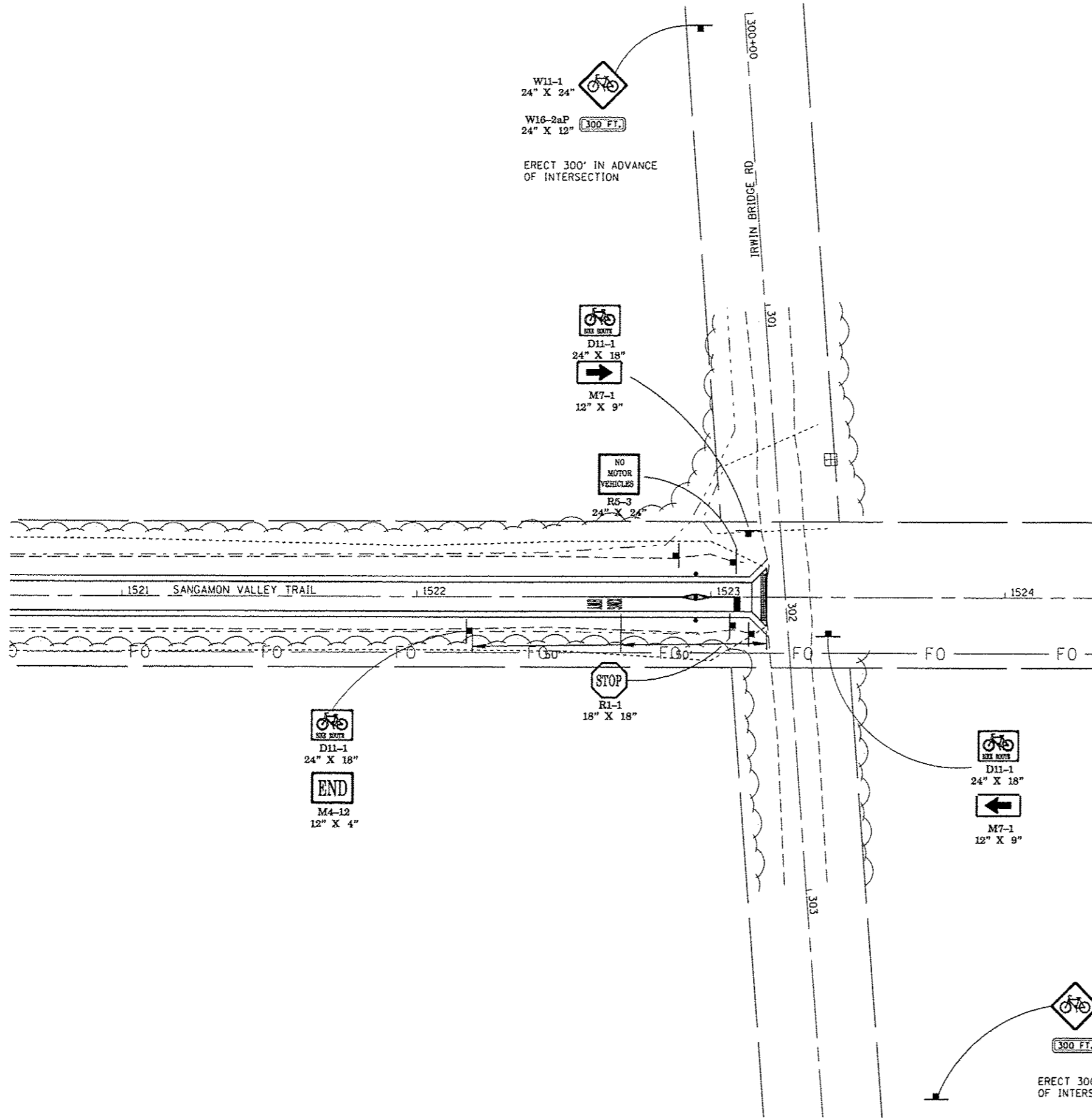
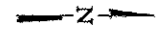
JOB : 2278	DESIGNED - NAK	REVISED -
FILE NAME : 2278-shl.rvt.dgn	DRAWN - SJS	REVISED -
PLOT SCALE : 48.0000' / 1"	CHECKED - NAK	REVISED -
PLOT DATE : 3/24/2016	DATE - 1/7/2014	REVISED -

**SANGAMON VALLEY TRAIL**






**GREEN VALLEY RD INTERSECTION**

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	10-00173-02-BT	SANGAMON	157	62
CONTRACT NO. 93687				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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



LEGEND

-  PR PAINT PAVEMENT MARKING - LINE 24" WHITE STOP BAR (SEE DETAIL)
-  PR PAINT PAVEMENT MARKING - LINE 4" (WHITE)  
PR BOLLARDS QUICK RELEASE  
PR BOLLARDS (SEE DETAIL)
-  PR PAINT PAVEMENT MARKING - LETTERS & SYMBOLS (WHITE) (SEE DETAIL)
-  PR SIGN PANEL TYPE 1  
PR TELESCOPING STEEL SIGN SUPPORT
-  PR PCC SIDEWALK 6"  
PR DETECTABLE WARNINGS (SEE DETAIL)

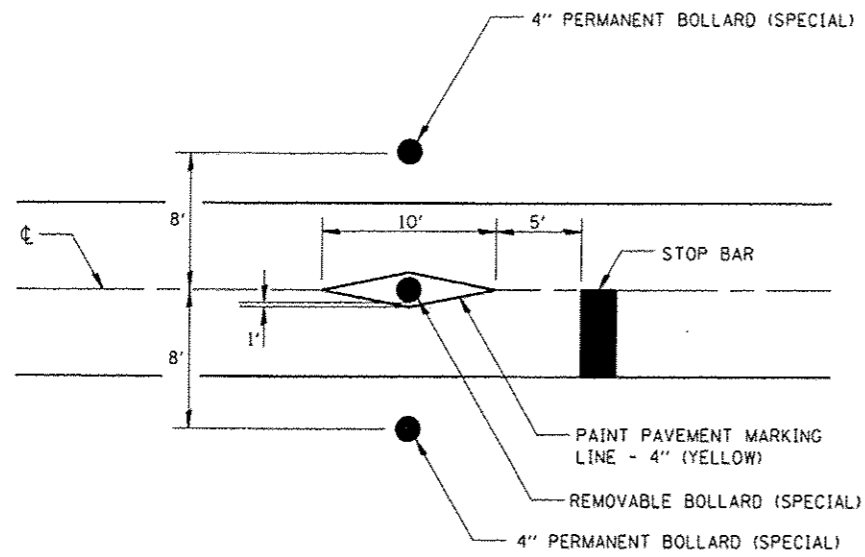
JOB # 2278	DESIGNED - NAK	REVISED -
FILE NAME - 2278-shr-in-ldgn	DRAWN - SJS	REVISED -
PLOT SCALE - 40.0000' / IN.	CHECKED - NAK	REVISED -
PLOT DATE - 3/24/2016	DATE - 1/7/2014	REVISED -

SANGAMON VALLEY TRAIL

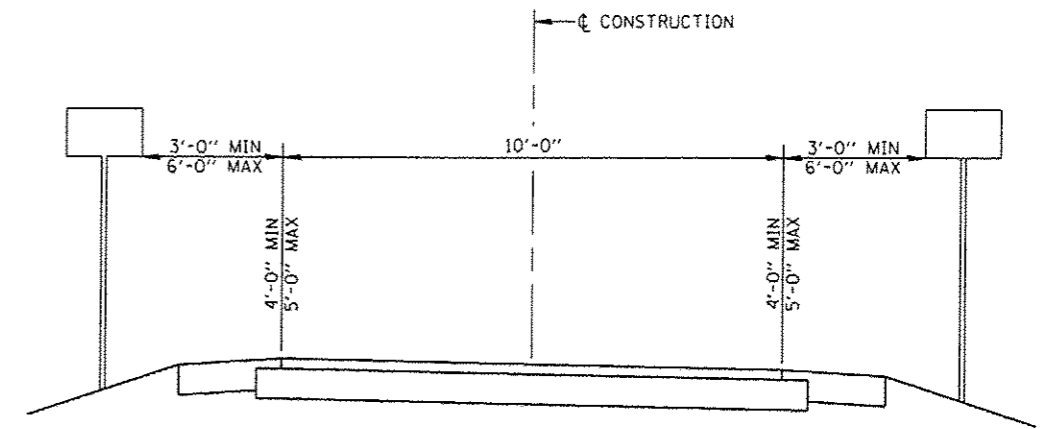
IRWIN BRIDGE RD INTERSECTION

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

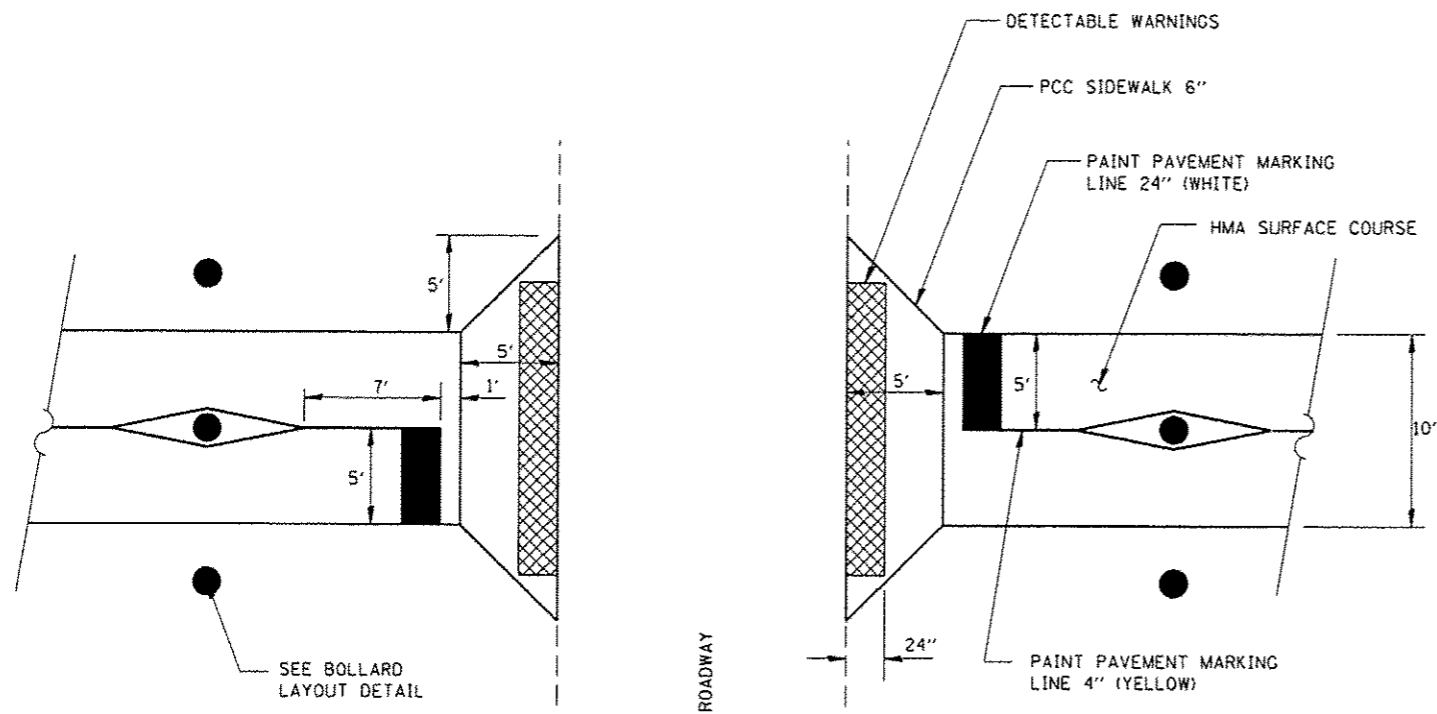
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	10-00173-02-BT	SANGAMON	157	63
CONTRACT NO. 93687				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



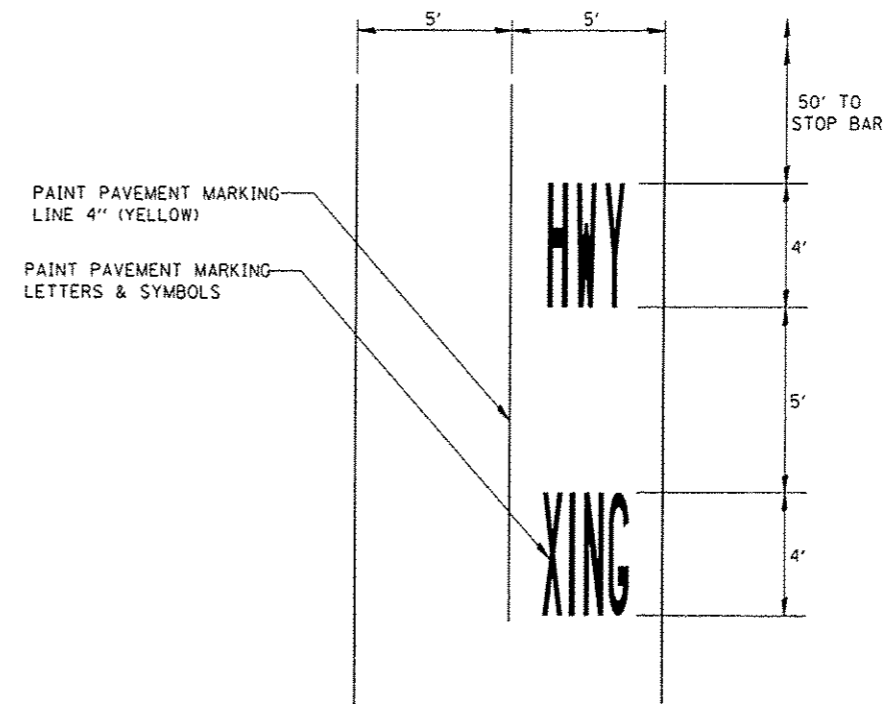
BOLLARD LAYOUT



SIGN PLACEMENT DETAIL



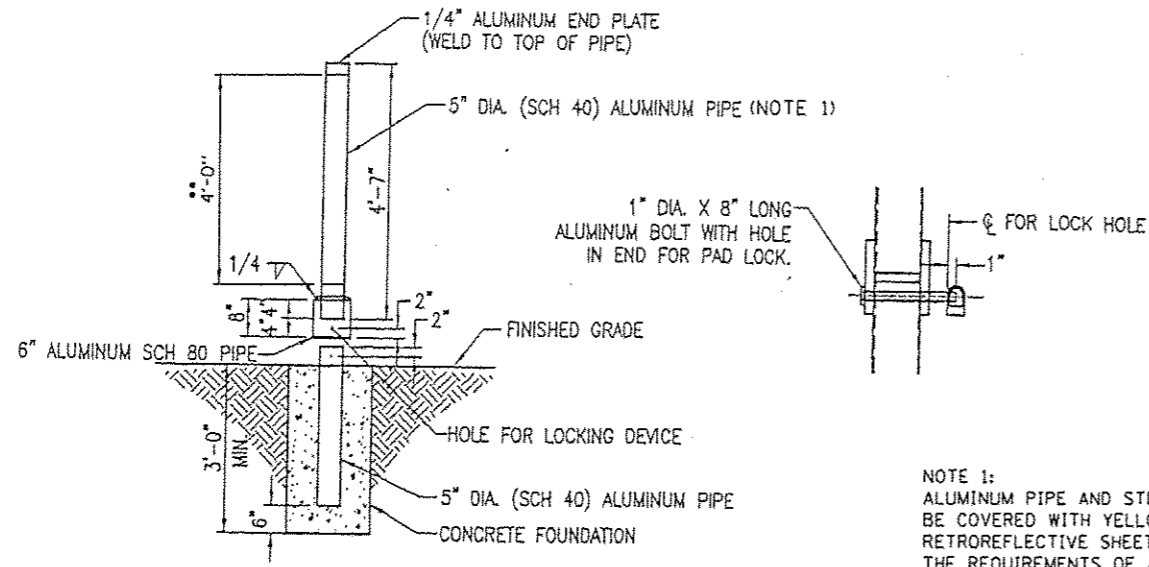
TYPICAL INTERSECTION DETAIL



PAVEMENT MARKING

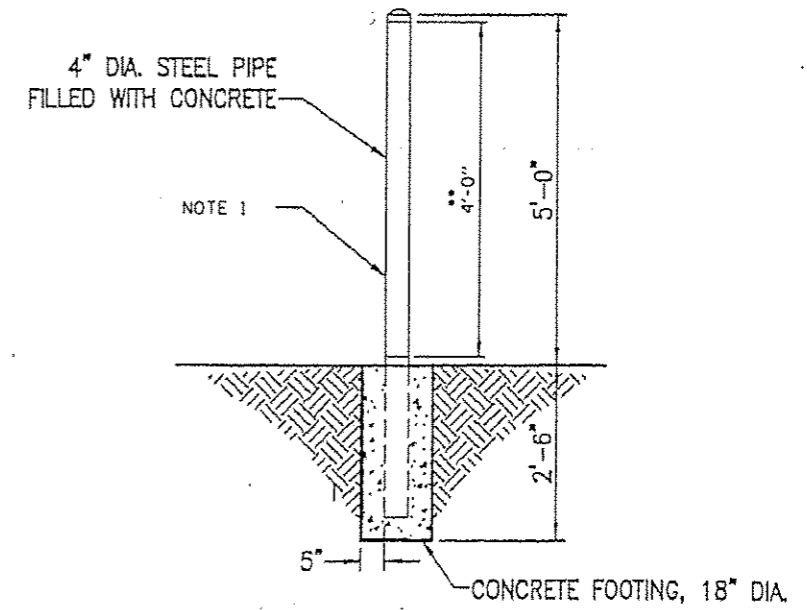


•• YELLOW REFLECTORIZED SHEETING APPLIED TO ENTIRE BOLLARD CIRCUMFERENCE



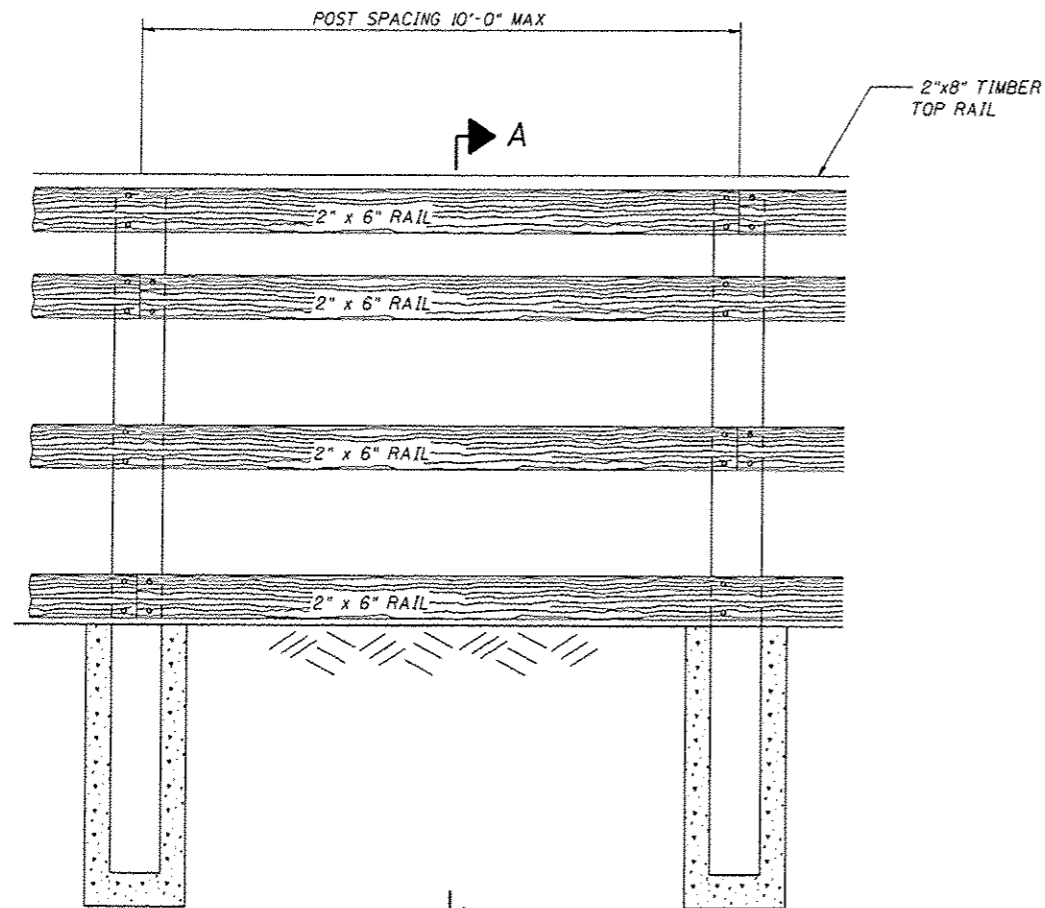
5" DIA. REMOVABLE BOLLARD DETAIL

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

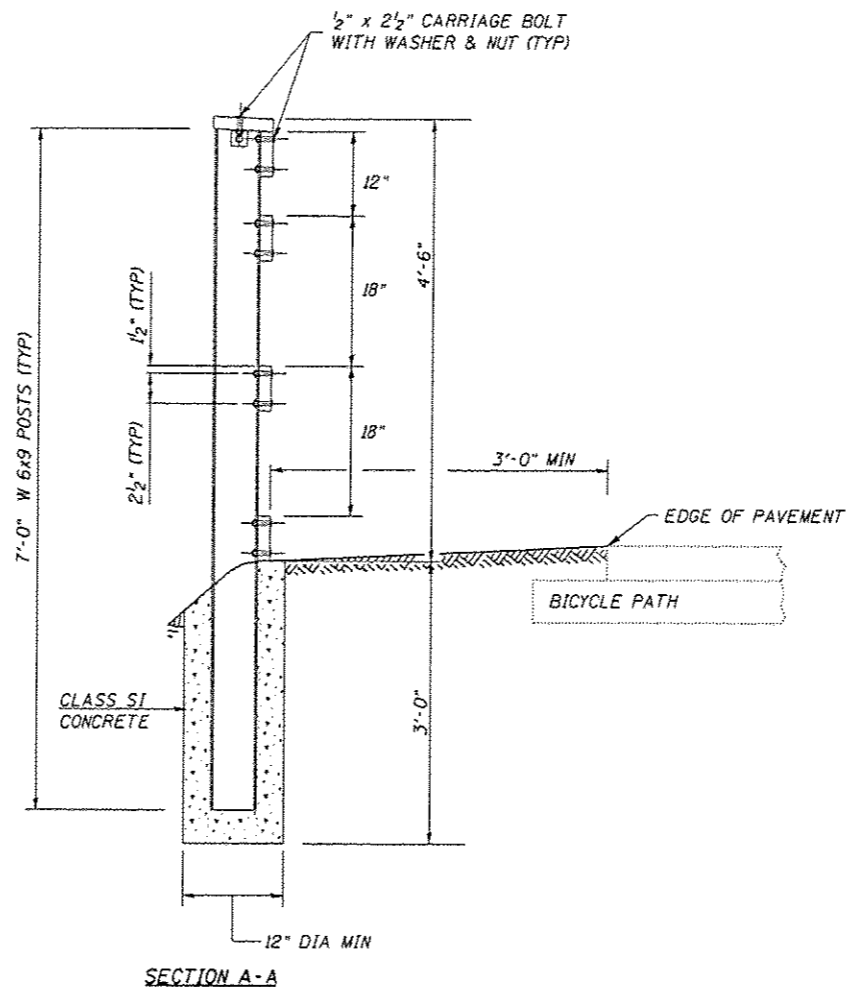


4" PERMANENT BOLLARD (SPECIAL) DETAIL

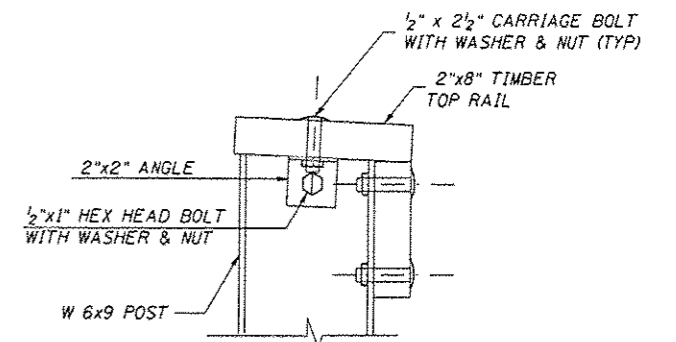
NOTE 1:  
ALUMINUM PIPE AND STEEL PIPE SHALL BE COVERED WITH YELLOW RETROREFLECTIVE SHEETING MEETING THE REQUIREMENTS OF ARTICLE 1106.01 OF THE STANDARD SPECIFICATIONS



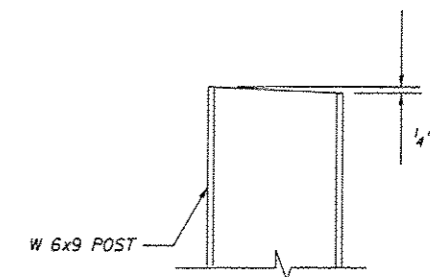
ELEVATION VIEW



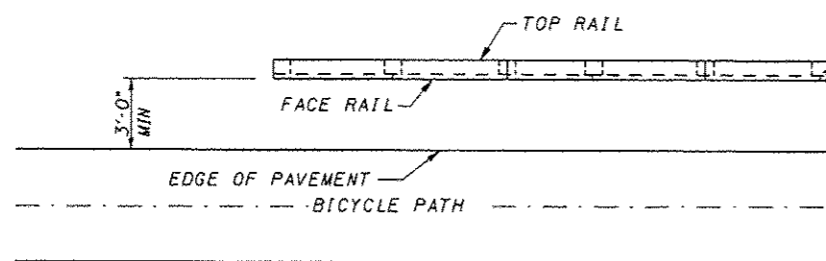
SECTION A-A



TOP RAIL CONNECTION DETAIL

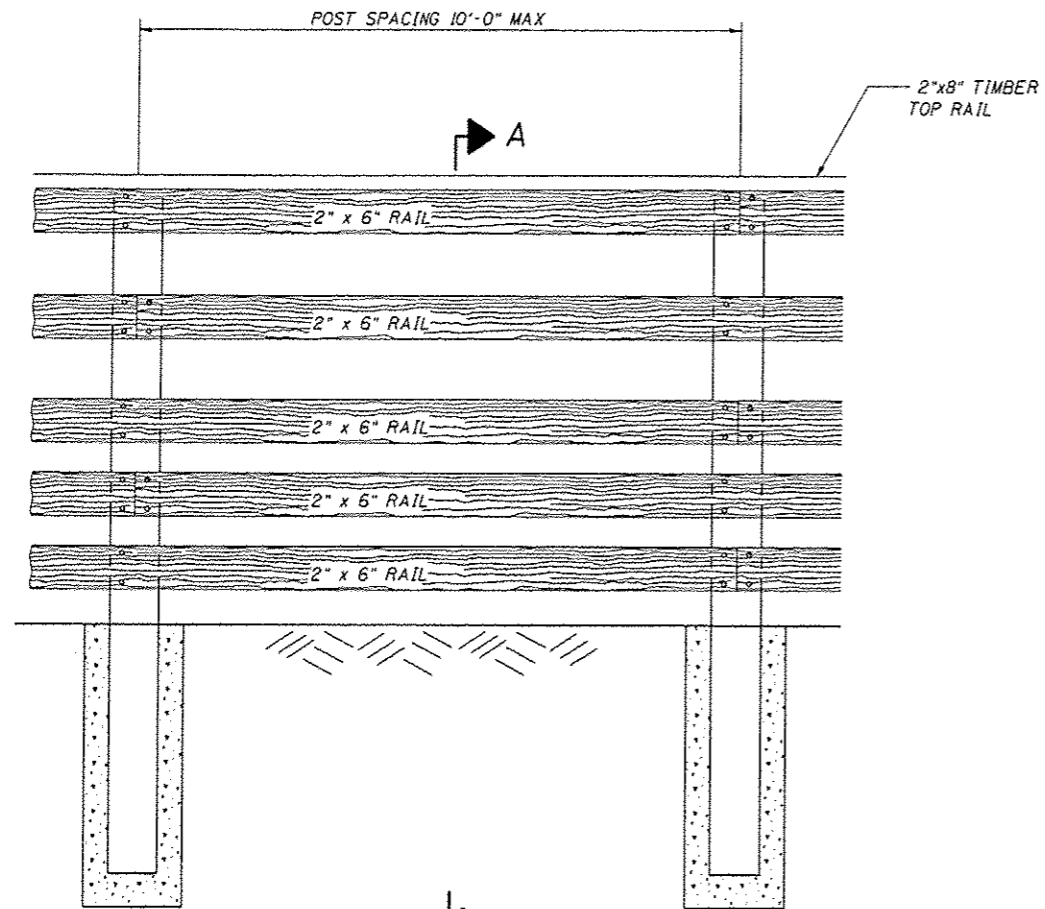


TOP OF POST DETAIL

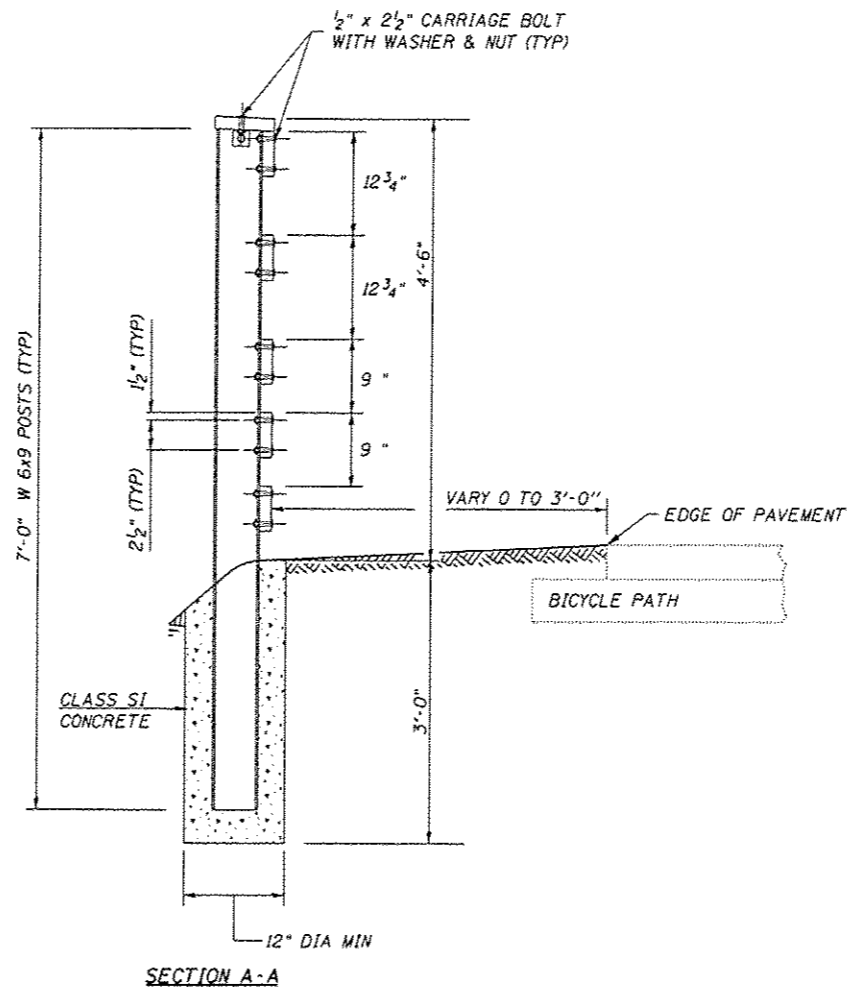


PLAN VIEW

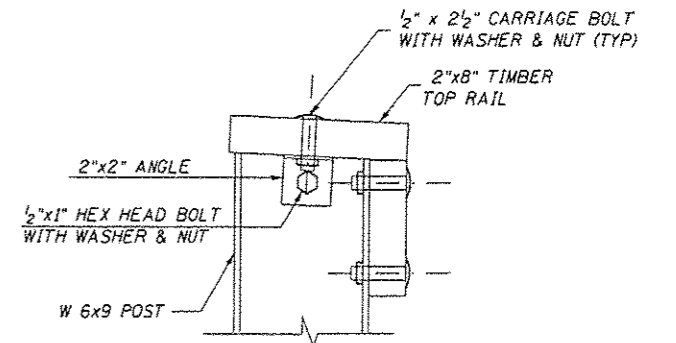
1. STEEL POSTS SHALL BE AS SPECIFIED IN ARTICLE 1006.23.
2. ALL HARDWARE SHALL BE AS SPECIFIED IN ARTICLE 1006.25.
3. TIMBER RAILS SHALL BE TREATED SOUTHERN PINE AS SPECIFIED IN ARTICLE 1007.03 ( $f_b = 1,500$  psi)
4. STAGGER ALTERNATING BUTT ENDS ON FACE RAIL AND TOP RAIL. CENTER ALL BUTT END JOINTS ON THE POSTS.



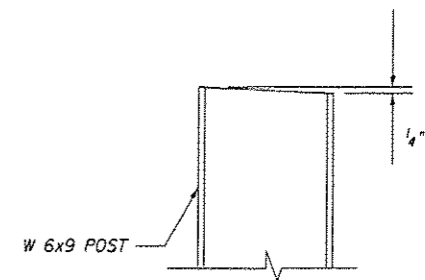
ELEVATION VIEW



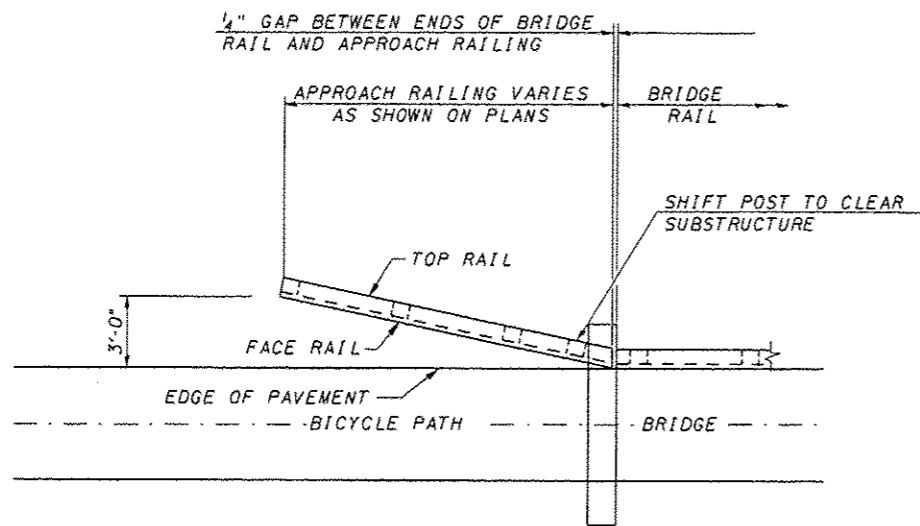
SECTION A-A



TOP RAIL CONNECTION DETAIL

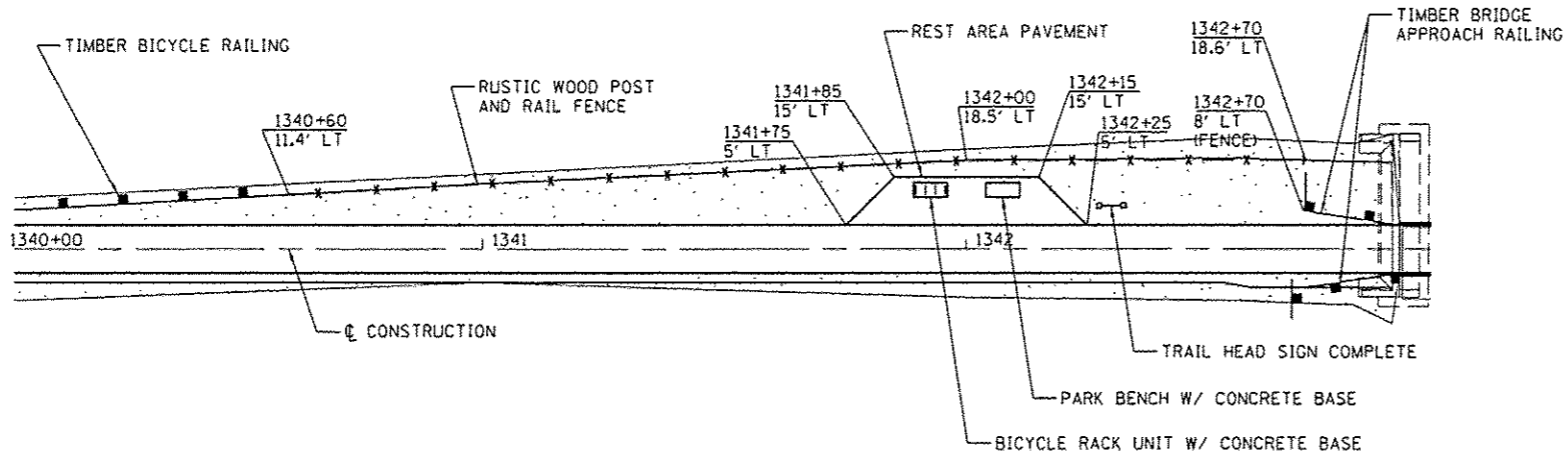
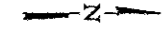


TOP OF POST DETAIL



PLAN VIEW

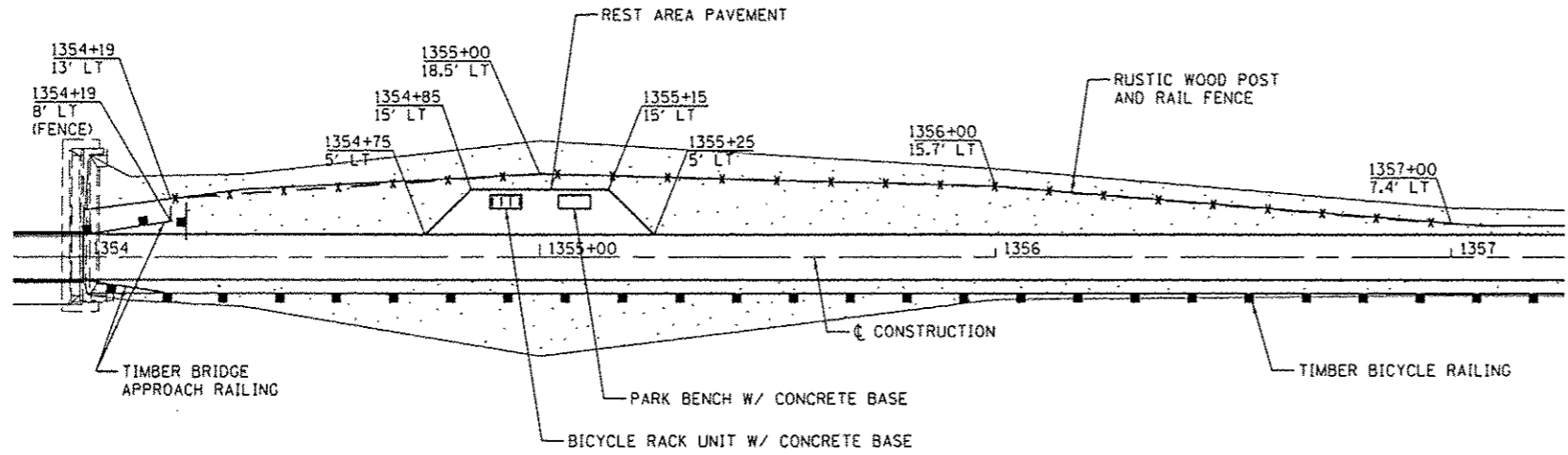
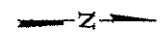
1. STEEL POSTS SHALL BE AS SPECIFIED IN ARTICLE 1006.23.
2. ALL HARDWARE SHALL BE AS SPECIFIED IN ARTICLE 1006.25.
3. TIMBER RAILS SHALL BE TREATED SOUTHERN PINE AS SPECIFIED IN ARTICLE 1007.03 ( $f_b = 1,500$  psi)
4. STAGGER ALTERNATING BUTT ENDS ON FACE RAIL AND TOP RAIL. CENTER ALL BUTT END JOINTS ON THE POSTS.
5. CUT ENDS OF TOP RAIL AND FACE RAILS TO MATCH BRIDGE RAIL



SOUTH SANGAMON RIVER REST AREA

BILL OF MATERIAL

ITEM	UNIT	QTY
PARK BENCH	EACH	2
BICYCLE RACKS	EACH	2
TRAIL HEAD SIGN COMPLETE	EACH	1
RUSTIC WOOD POST AND RAIL FENCE	FOOT	510



NORTH SANGAMON RIVER REST AREA



JOB # 2278	DESIGNED - NAK	REVISED -
FILE NAME # 2278-shs-restarea.dgn	DRAWN - SJS	REVISED -
PLOT SCALE # 40,000' = 1" IN.	CHECKED - NAK	REVISED -
PLOT DATE # 3/24/2016	DATE - 1/7/2014	REVISED -

SANGAMON VALLEY TRAIL

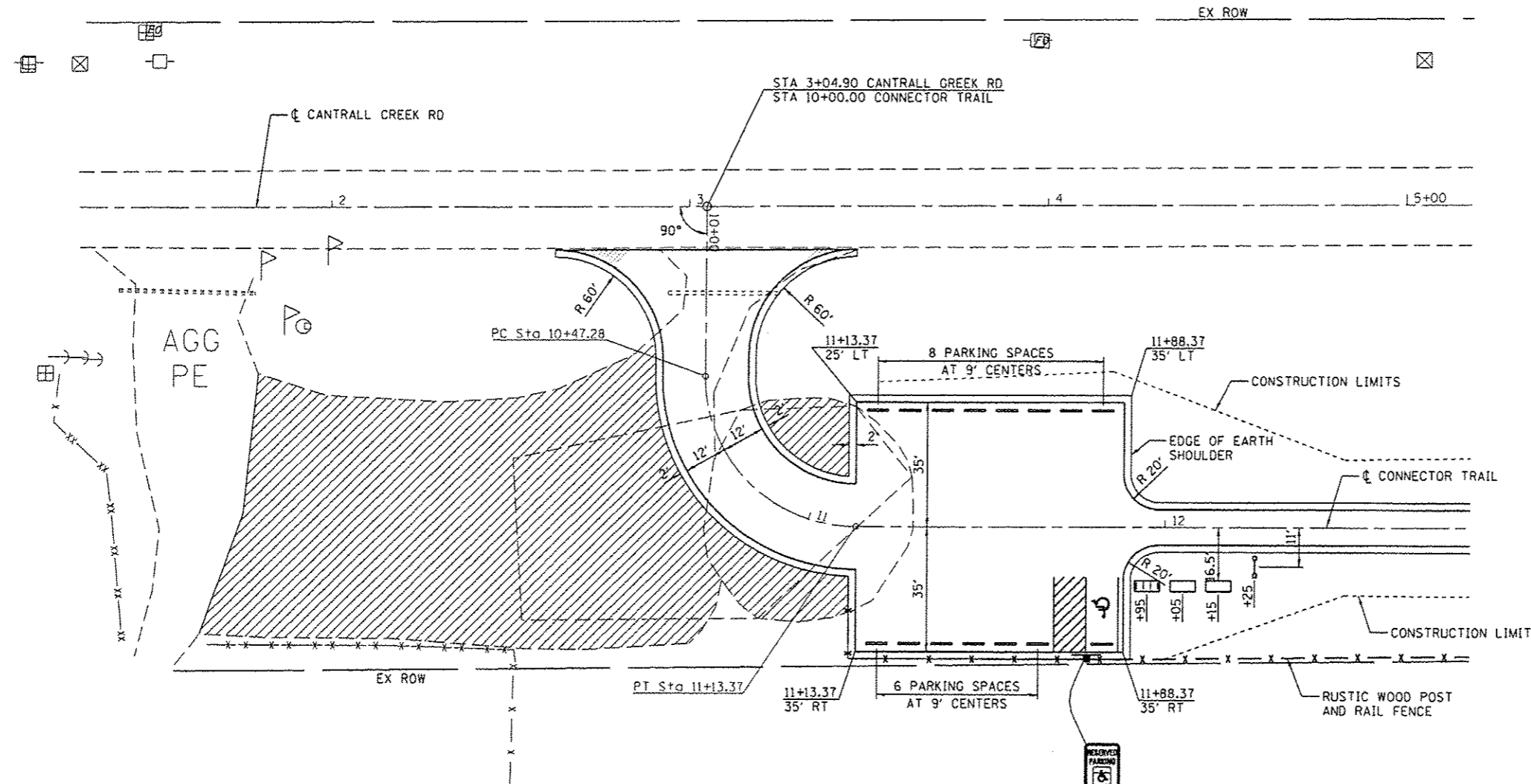
REST AREA PLANS

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

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	10-00173-02-BT	SANGAMON	157	68
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				
CONTRACT NO. 93687				

BILL OF MATERIAL

ITEM	UNIT	QTY
BICYCLE RACKS	EACH	1
PARK BENCH	EACH	2
TRAIL HEAD SIGN COMPLETE	EACH	1
CONCRETE PARKING BLOCKS	EACH	15



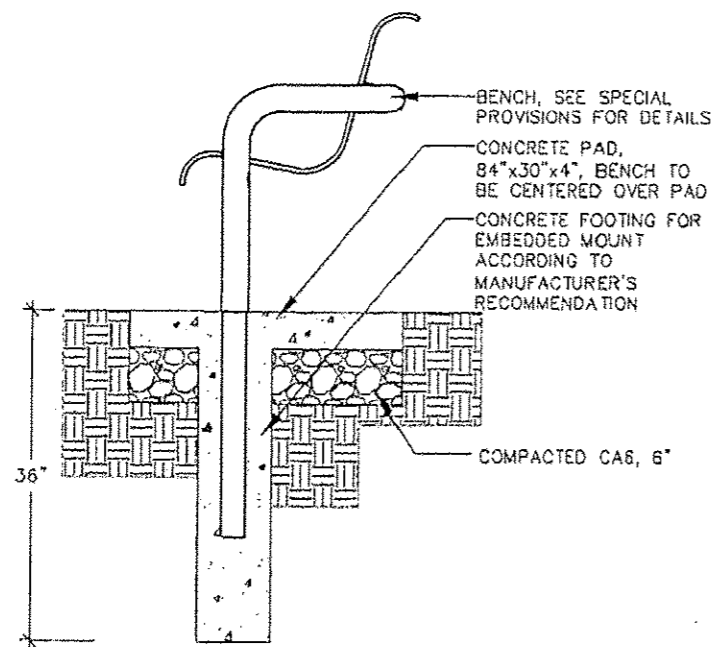
EXIST. CURVE ENT  
 PI STA. = 10+89.39  
 $\Delta = 90^\circ 09' 24''$  (LT)  
 $D = 136^\circ 25' 07''$   
 $R = 42.00'$   
 $T = 42.12'$   
 $L = 66.09'$   
 $E = 17.48'$   
 $\theta = \text{-----}$   
 $T.R. = \text{-----}$   
 $S.E. \text{ RUN} = \text{-----}$   
 $P.C. \text{ STA.} = 10+47.28$   
 $P.T. \text{ STA.} = 11+13.37$

1. EXISTING AGGREGATE SURFACE OUTSIDE THE LIMITS OF PROPOSED PARKING LOT PAVEMENT SHALL BE REMOVED 12" DEEP AND REPLACED WITH EMBANKMENT. THIS WORK WILL BE PAID FOR AS EARTH EXCAVATION

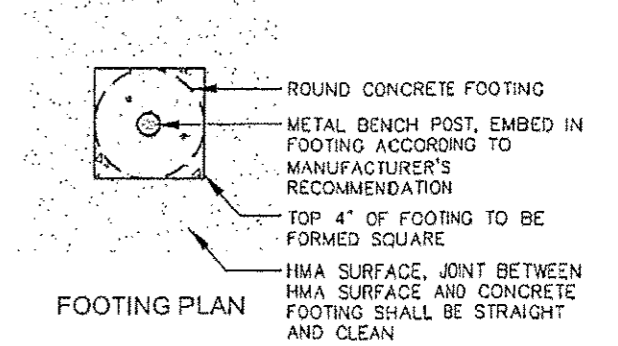


LEGEND

- BICYCLE RACK UNIT W/ CONCRETE BASE
- PARK BENCH W/ CONCRETE BASE
- TRAIL HEAD SIGN
- DISABLED PARKING PAVEMENT MARKING
- PARKING BLOCK
- AGGREGATE SURFACE REMOVAL

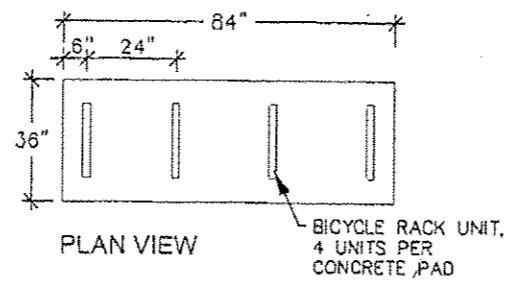


BENCH WITH CONCRETE BASE

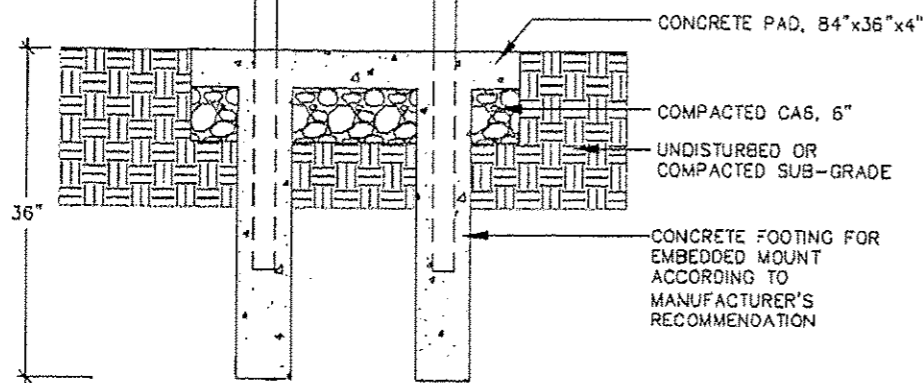


FOOTING PLAN

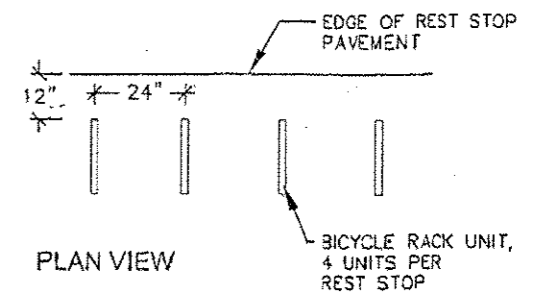
BICYCLE RACK, 4 'U' UNITS PER BICYCLE RACK, SEE SPECIAL PROVISIONS FOR DETAILS



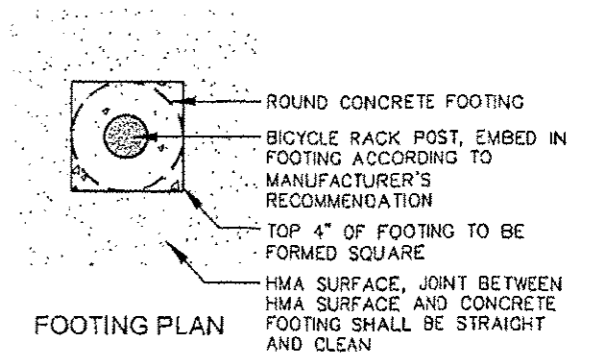
PLAN VIEW



BICYCLE RACK WITH CONCRETE BASE

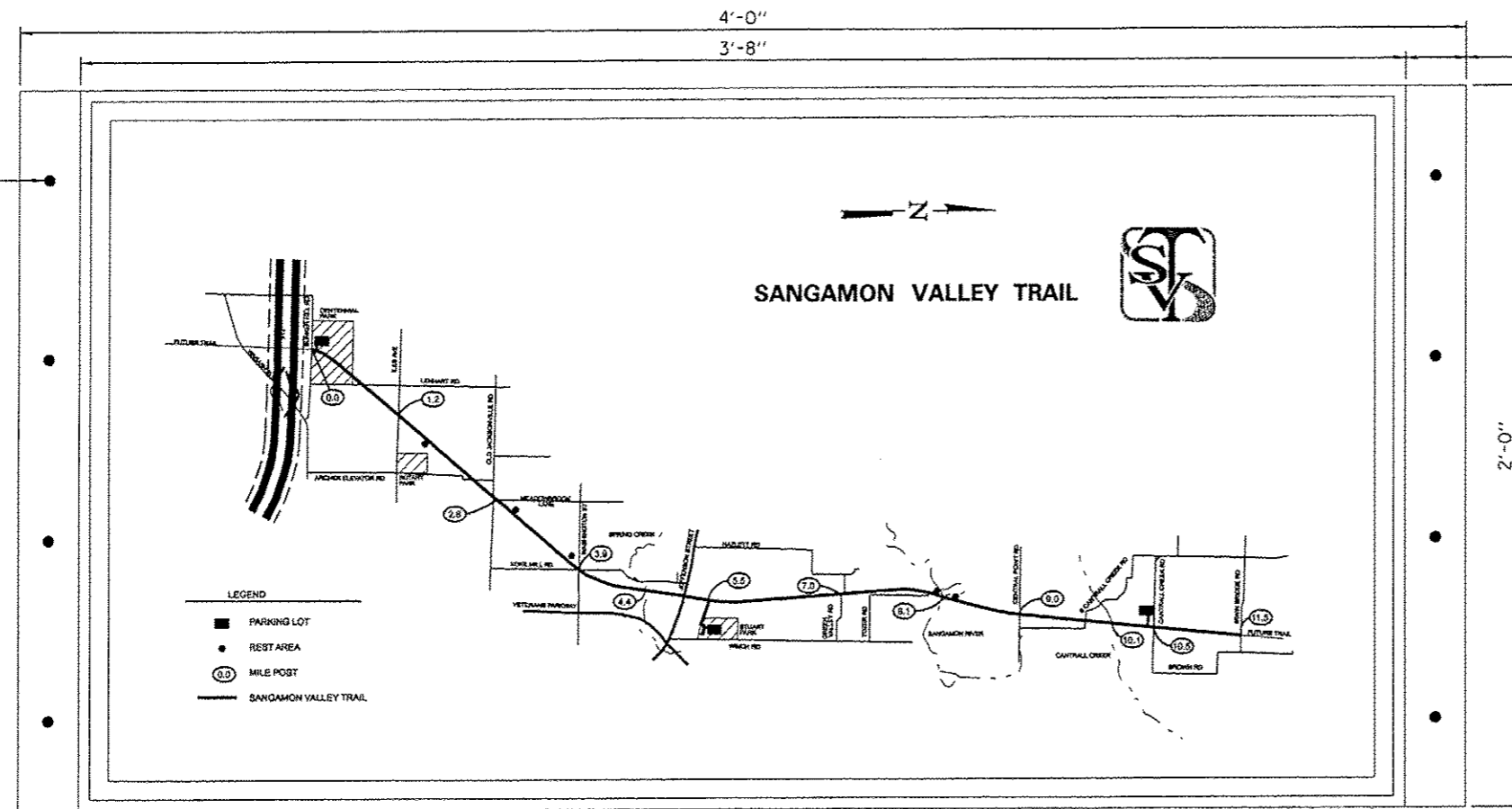


PLAN VIEW



FOOTING PLAN

3/8" PRE-DRILLED HOLES, TYP.



TRAIL SIGN A GRAPHIC

2" CLEAR BORDER, BOTH SIDES, TYP.

SUGGESTED GRAPHIC COLORS

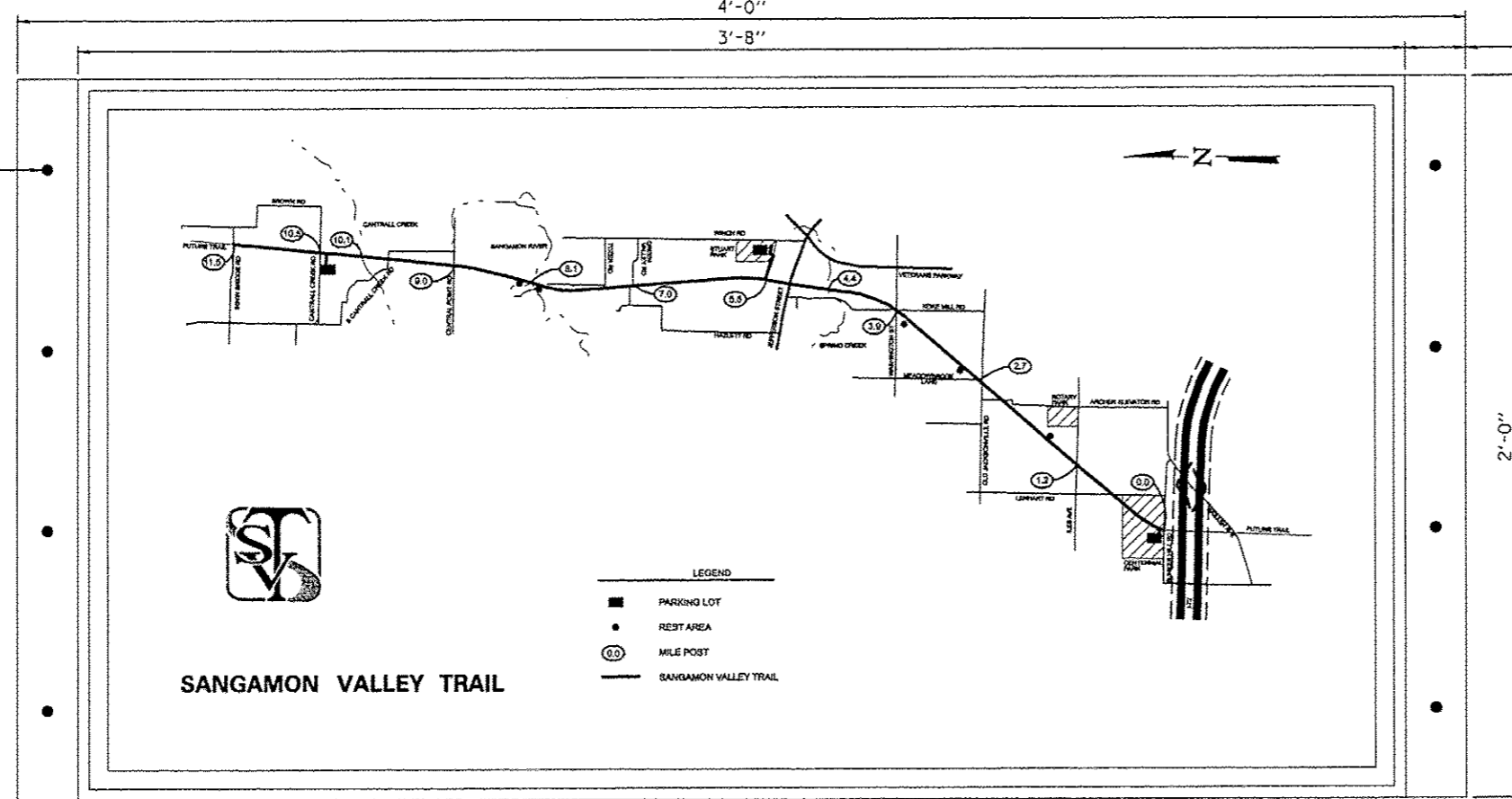
- SANGAMON VALLEY TRAIL - GREEN
- STATE ROUTES - BLACK
- OTHER ROADS - BROWN
- WATER - BLUE
- REST AREAS - ORANGE
- PARKS - YELLOW
- MILE POST & TEXT - RED
- TEXT - BLACK
- BACKGROUND - CREAM

SANGAMON VALLEY TRAIL LOGO COLORS SHALL BE AS SHOWN ON THE TRAIL LOGO DETAIL

- GRAPHIC A SIGNS 4 EACH
- INCLUDE "YOU ARE HERE" AT THE FOLLOWING LOCATIONS:
    1. REST AREA NORTH OF MEADOWBROOK LANE
    2. REST AREA SOUTH OF WASHINGTON ST
    3. STEWART PARK PARKING LOT
    4. REST AREA SOUTH OF SANGAMON RIVER
- GRAPHIC B SIGNS 4 EACH
- INCLUDE "YOU ARE HERE" AT THE FOLLOWING LOCATIONS:
    1. CENTENNIAL PARK PARKING LOT
    2. REST AREA NORTH OF ILES AVE
    3. CANTRALL CREEK RD PARKING LOT

THE CONTRACTOR SHALL ERECT SIGNS AT THE SOUTH SANGAMON RIVER REST AREA AT THE CANTRALL CREEK RD PARKING LOT, THE REMAINING SIGN AND POSTS SHALL BE DELIVERED TO THE SANGAMON COUNTY HIGHWAY DEPARTMENT 3003 TERMINAL AVE, SPRINGFIELD, ILLINOIS

3/8" PRE-DRILLED HOLES, TYP.



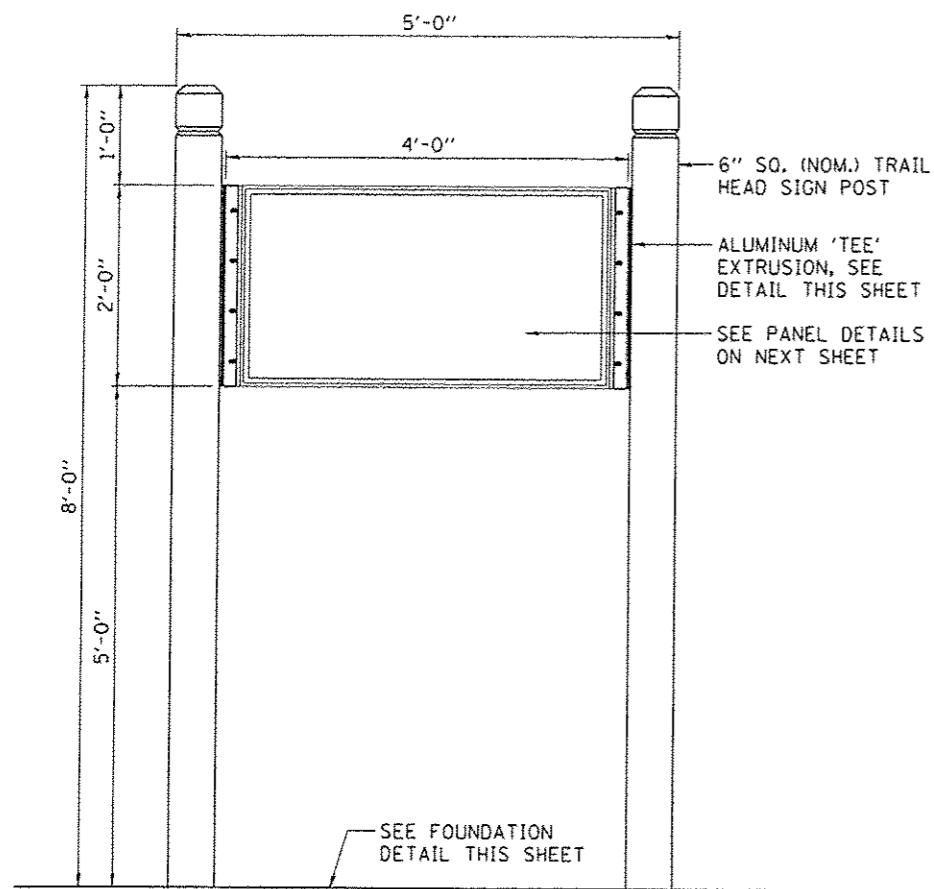
TRAIL SIGN B GRAPHIC

2" CLEAR BORDER, BOTH SIDES, TYP.

- NOTES:
1. PANEL SHALL BE .125" ALUMINUM, ENGINEER GRADE, WITH GRAPHIC WITH ANTI-GRAFFITI COATING ON FACE OF PANEL.
  2. MAP GRAPHIC TO BE PROVIDED BY THE ENGINEER DIGITAL FORMAT.
  3. COLOR SAMPLES ON FINISED MATERIALS TO BE PROVIDED FOR APPROVAL.
  4. SHOP DRAWING SHALL BE SUBMITTED FOR APPROVAL.

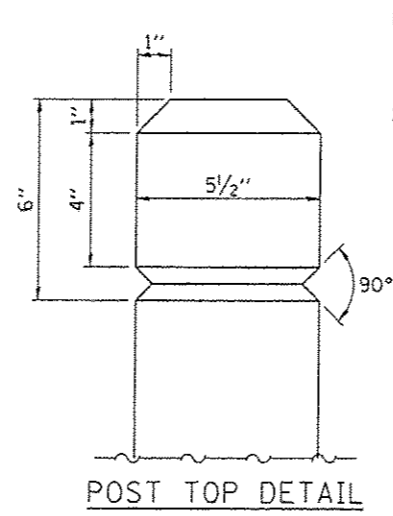
GRAPHIC A SIGNS SHALL BE USED AT LOCATION WHERE THE GRAPHIC IS ON THE EAST SIDE OF THE SIGN

GRAPHIC B SIGNS SHALL BE USED AT LOCATION WHERE THE GRAPHIC IS ON THE WEST SIDE OF THE SIGN

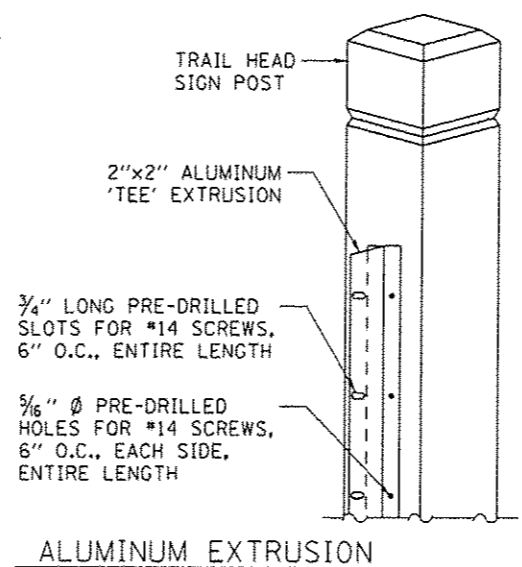


NOTES:  
1. SHOP DRAWINGS SHALL BE SUBMITTED FOR APPROVAL.

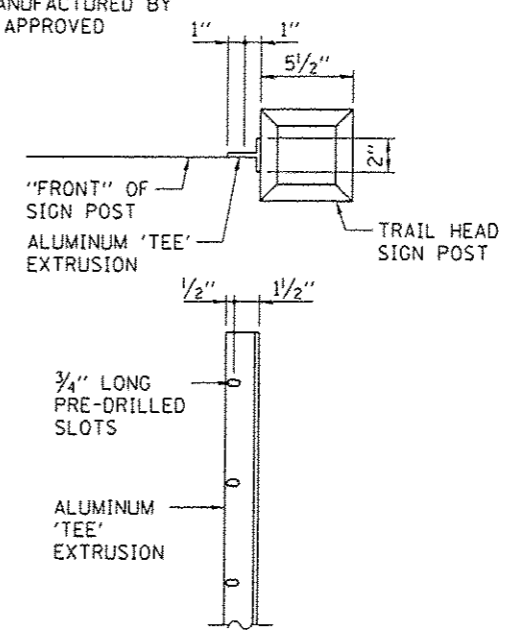
TRAIL HEAD SIGN



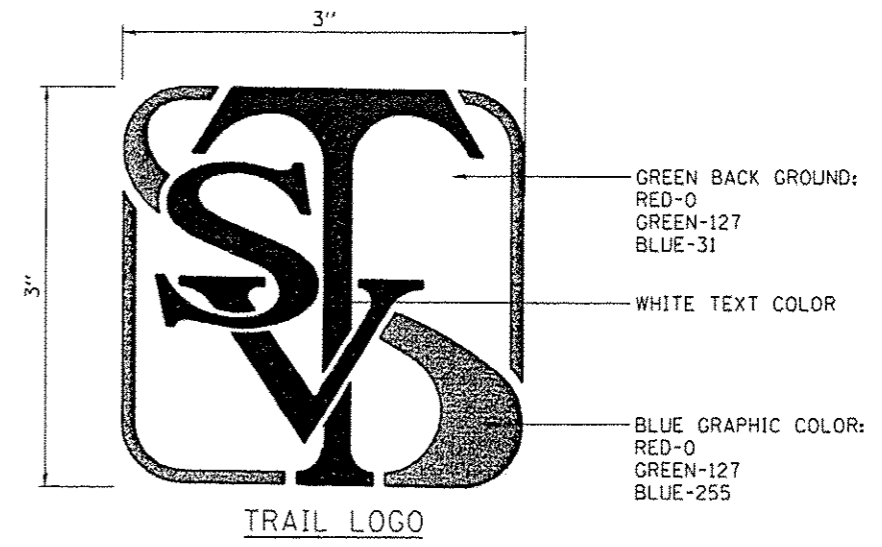
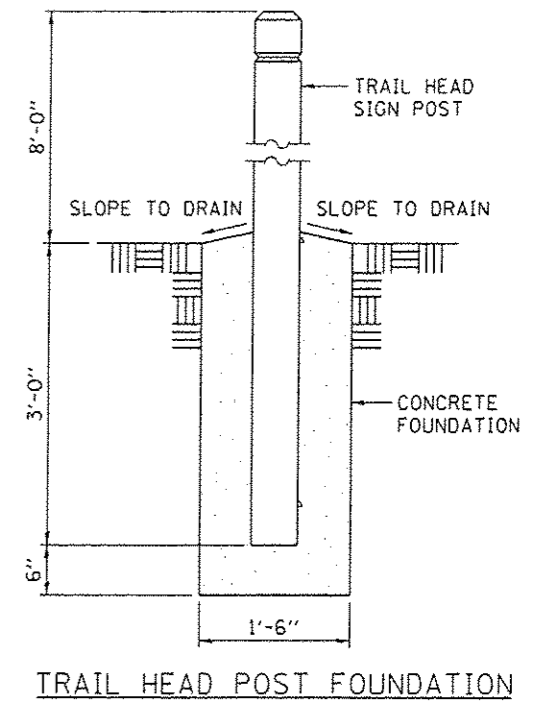
NOTES:  
1. FASTEN TEE TO POST WITH #14x1.5" SIX-LOBE SCREWS, BUTTON HEAD, TYPE SMS, STAINLESS AND WASHER.  
2. FASTEN SIGN PANEL TO TEE WITH #14x1" SIX-LOBE SECURITY SCREWS, BUTTON HEAD, TYPE M/S, STAINLESS STEEL, ONE #14 WASHER AND ONE #14 TAMPER-PROOF NUT AS MANUFACTURED BY GUARD-NUT INC., SERIES T5, PLATED STEEL OR APPROVED ALTERNATE.



ALUMINUM EXTRUSION



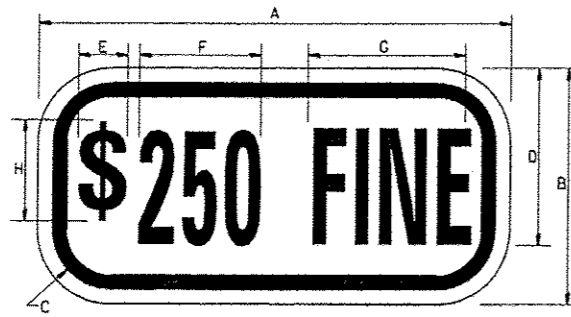
TRAIL HEAD POST DETAILS



<b>CEC</b> Cummins Engineering Corporation Civil and Structural Engineering	JOB : 2278	DESIGNED - NAK	REVISED -	<b>SANGAMON VALLEY TRAIL</b>	<b>SIGN DETAILS</b>			F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	FILE NAME : 2278-shc-trail.msp.dgn	DRAWN - SJS	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	10-00173-02-BT	157	72
	PLOT SCALE : 1/3200' = 1" IN.	CHECKED - NAK	REVISED -								SANGAMON	CONTRACT NO. 93687	
	PLOT DATE : 3/24/2016	DATE - 1/7/2014	REVISED -								FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	



SIGN R7-I 101

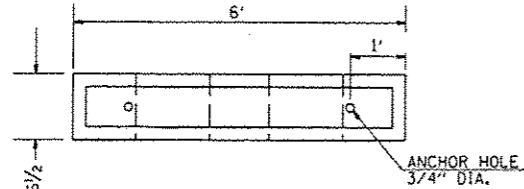


COLOR: LEGEND AND BORDER GREEN NON-REFLECTORIZED  
BACKGROUND WHITE REFLECTORIZED

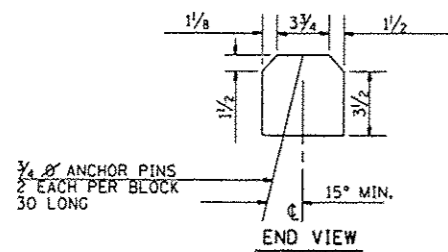
SIGN SIZE	DIMENSIONS							
	A	B	C	D	E	F	G	H
(6 x 12)	(12)	(6)	(1.5)	(4.5)	(1.15)	(3.4)	(4.6)	(4.0)

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

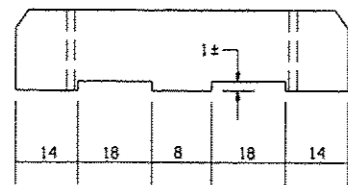
To be used with R7-8



PLAN VIEW



END VIEW



ELEVATION VIEW

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

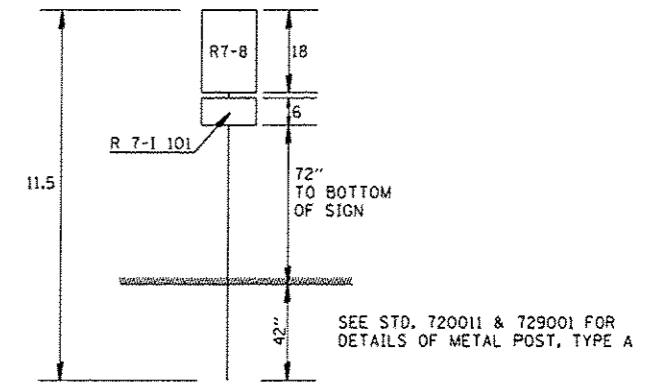
PARKING BLOCK DETAIL

SIGN R7-8

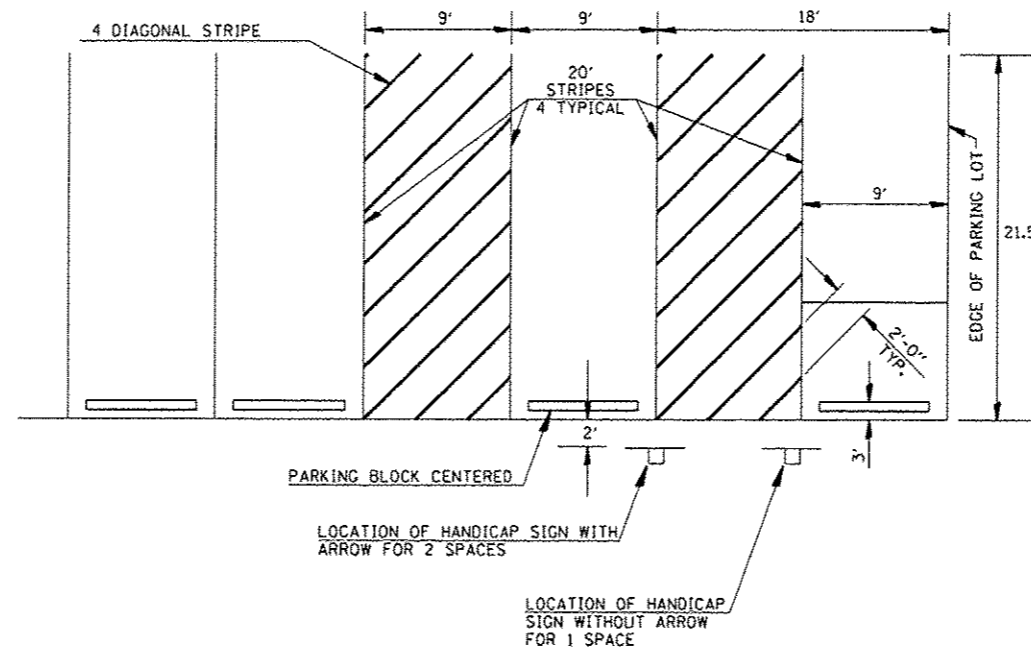


COLORS  
LEGEND AND BORDER - GREEN  
WHITE SYMBOL ON BLUE BACKGROUND  
BACKGROUND - WHITE

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



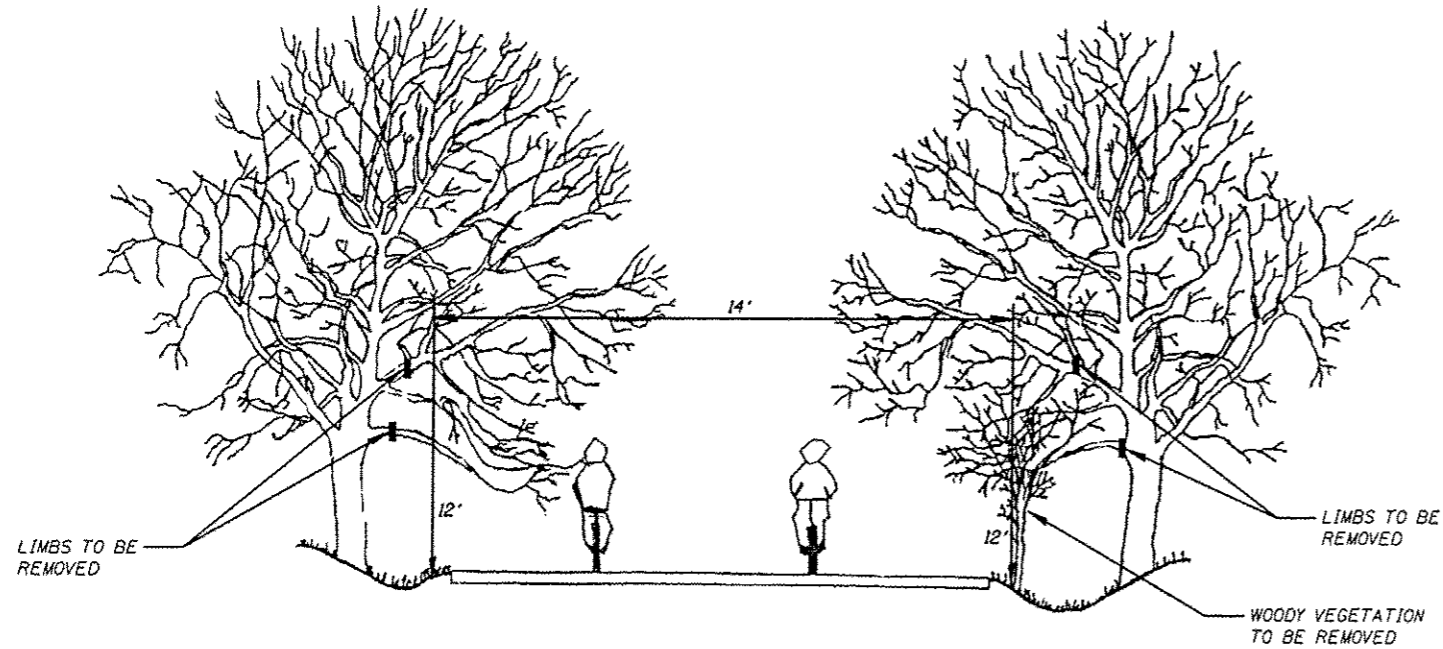
SIGN POST DETAILS



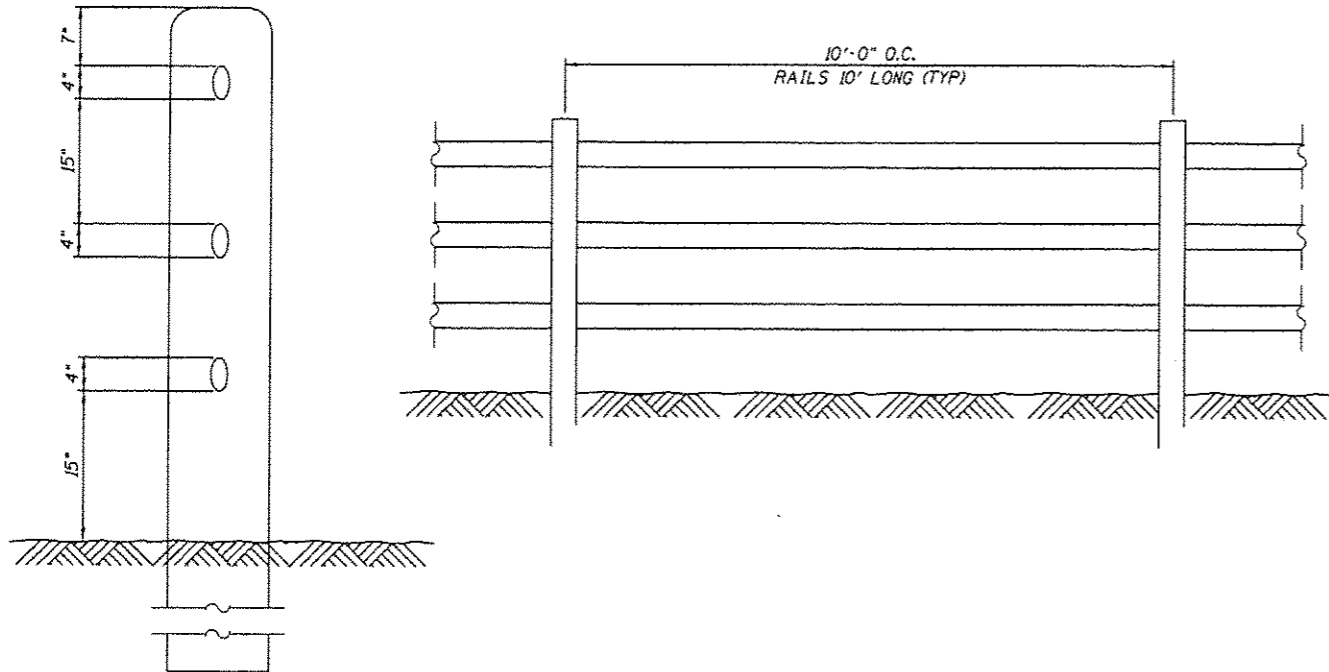
DETAIL OF PARKING SPACES

**GENERAL NOTES**

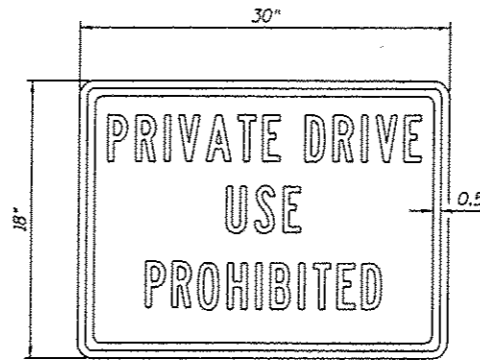
THE NATIONAL ARBORIST ASSOCIATION'S PRUNING STANDARDS FOR SHADE TREES CLASS II - STANDARD PRUNING SPECIFICATIONS SHALL BE FOLLOWED.



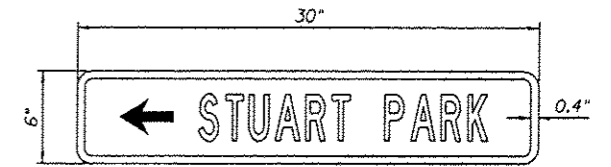
**PRUNING FOR SAFETY AND EQUIPMENT CLEARANCE**



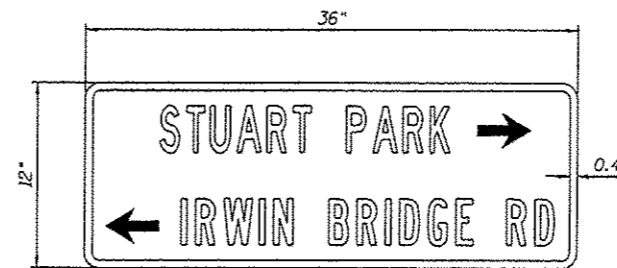
**RUSTIC POST AND RAIL FENCE DETAIL**



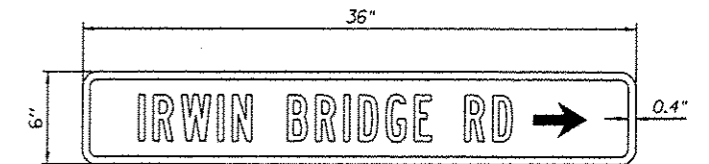
COLORS: LEGEND - BLACK  
BACKGROUND - WHITE (RETROREFLECTIVE)  
LETTERS: 3" SERIES C



COLORS: LEGEND - WHITE  
BACKGROUND - BROWN (RETROREFLECTIVE)  
LETTERS: 3" SERIES C



COLORS: LEGEND - WHITE  
BACKGROUND - BROWN (RETROREFLECTIVE)  
LETTERS: 3" SERIES C

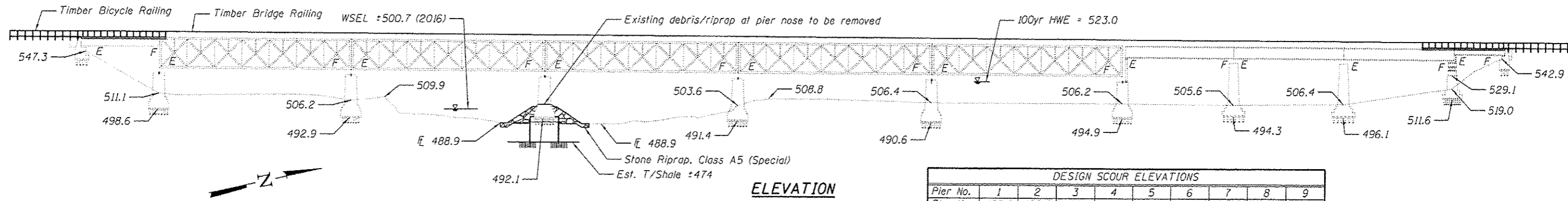


COLORS: LEGEND - WHITE  
BACKGROUND - BROWN (RETROREFLECTIVE)  
LETTERS: 3" SERIES C

B.M. #29 Chiseled Square on North Face of South Abutment, Approximately 15' West of SVT, Station 1342+89.11, 14.95' Lt., Elev. 553.98  
 B.M. #30 Chiseled Square on Northwest Corner of the Northeast Concrete Wingwall of North Abutment, Station 1354+06.15, 7.29' Rt., Elev. 550.00

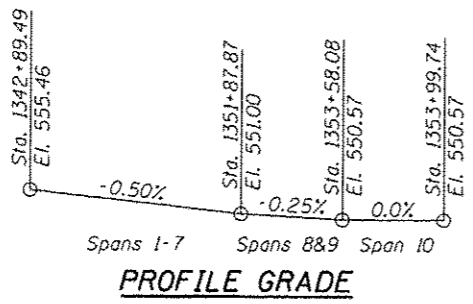
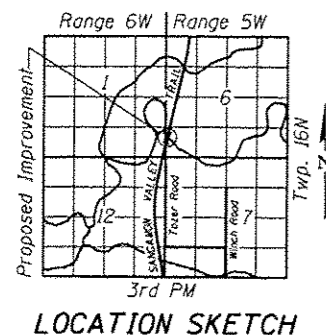
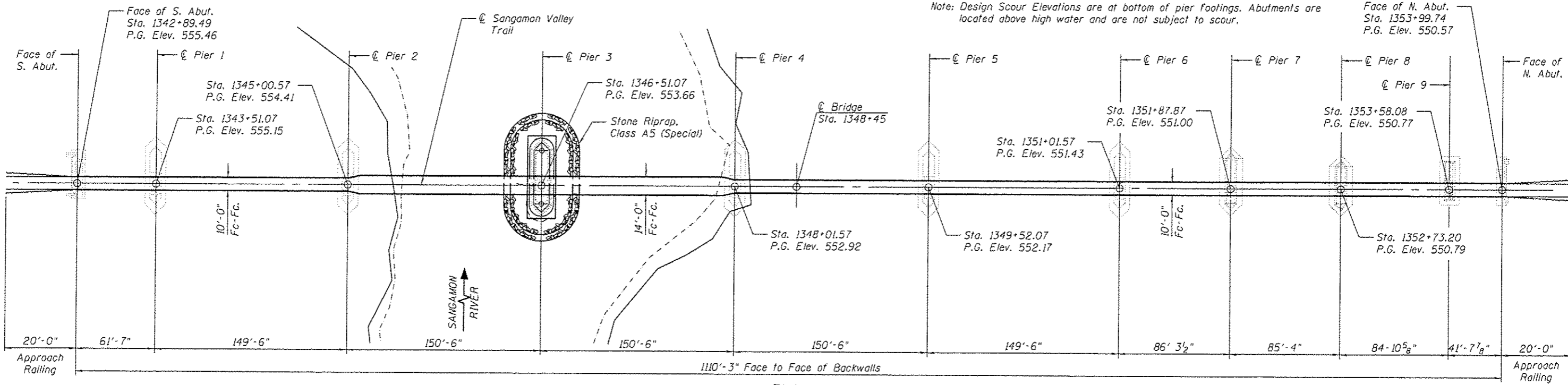
Existing Structure: Originally built in 1923 as C&NW Railway Bridge No. 1848 over the Sangamon River. Structure is a 10-span bridge consisting of five (5) riveted deck truss spans, four (4) riveted deck plate girder spans and one rolled beam span on pile supported concrete piers and abutments. The overall length of the bridge is 1110'-3" face to face of abutment backwalls with a 14'-0" o. to o. railroad tie deck with walkway on east side. It is composed of one span at 60 feet, five spans at 150 feet, one span at 80 feet, two spans at 85 feet, and one span at 40 feet. The 150 foot spans are riveted trusses, the 40 foot span is a rolled beam section and all other spans are various sizes of riveted plate girders. The existing substructure consists of nine (9) unreinforced concrete piers on pile supported footings and two (2) unreinforced concrete abutments on pile supported footings. As indicated in the existing plans, the railroad intended to install a future track along the west side of the existing track. To accommodate this future track all of the substructure units were built wider than required to carry the current superstructure. This future track, however, was never constructed. The existing structure will be rehabilitated to carry pedestrian traffic.

The Contractor will remove existing railroad ties, cable railings and metal gate and construct a new timber deck and railing, install approach railing, jack the superstructure at the North Abutment to remove the rotted timber material and replace with reinforced concrete, raise the backwall with reinforced concrete, repair steel elements. Sheet piling and stone riprap will be placed at pier 3.  
 No Salvage.



DESIGN SCOUR ELEVATIONS									
Pier No.	1	2	3	4	5	6	7	8	9
Elevation	498.6	492.9	492.1	491.4	490.6	494.9	494.3	496.1	511.6

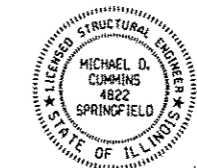
Note: Design Scour Elevations are at bottom of pier footings. Abutments are located above high water and are not subject to scour.



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

**DESIGN STRESSES**  
**FIELD UNITS**  
 $f'_c = 3,500$  psi (Substructure)  
 $f_y = 60,000$  psi (Reinforcement)  
 $f_b = 1,500$  psi (Timber)  
 $f_b = 1,850$  psi (Timber Planking)

**DESIGN SPECIFICATIONS**  
 2002 AASHTO  
 1997 AASHTO "Guide Specifications for Design for Pedestrian Bridges".  
**LOADING**  
 Vehicle Load: H-5 (10,000lb Emergency Vehicle)  
 Pedestrian Load: 85 psi uniform Load



Michael D. Cummins: 3/24/16  
 ILLINOIS STRUCTURAL NO. 4822  
 (Expires 11/30/16)

**GENERAL PLAN & ELEVATION**  
**SANGAMON VALLEY TRAIL**  
**OVER SANGAMON RIVER**  
**SECTION 10-00173-02-BT**  
**SANGAMON COUNTY**  
**STATION 1348+45**  
**SVT BRIDGE NO. 17**  
**STRUCTURE NO. 084-8015**



JOB	2278	DESIGNED	RK	REVISED	-
FILE	2278_Sangamon_GPE.dgn	CHECKED	AAN	REVISED	-
DATE	3/24/2016	DRAWN	SJS	REVISED	-
		CHECKED	MDC	REVISED	-

SANGAMON VALLEY TRAIL

GENERAL PLAN & ELEVATION  
 STRUCTURE NO. 084-8015

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	10-00173-02-BT	SANGAMON	157	75
			CONTRACT NO. 93687	

SHEET NO. 1 OF 16 SHEETS

ILLINOIS FED. AID PROJECT

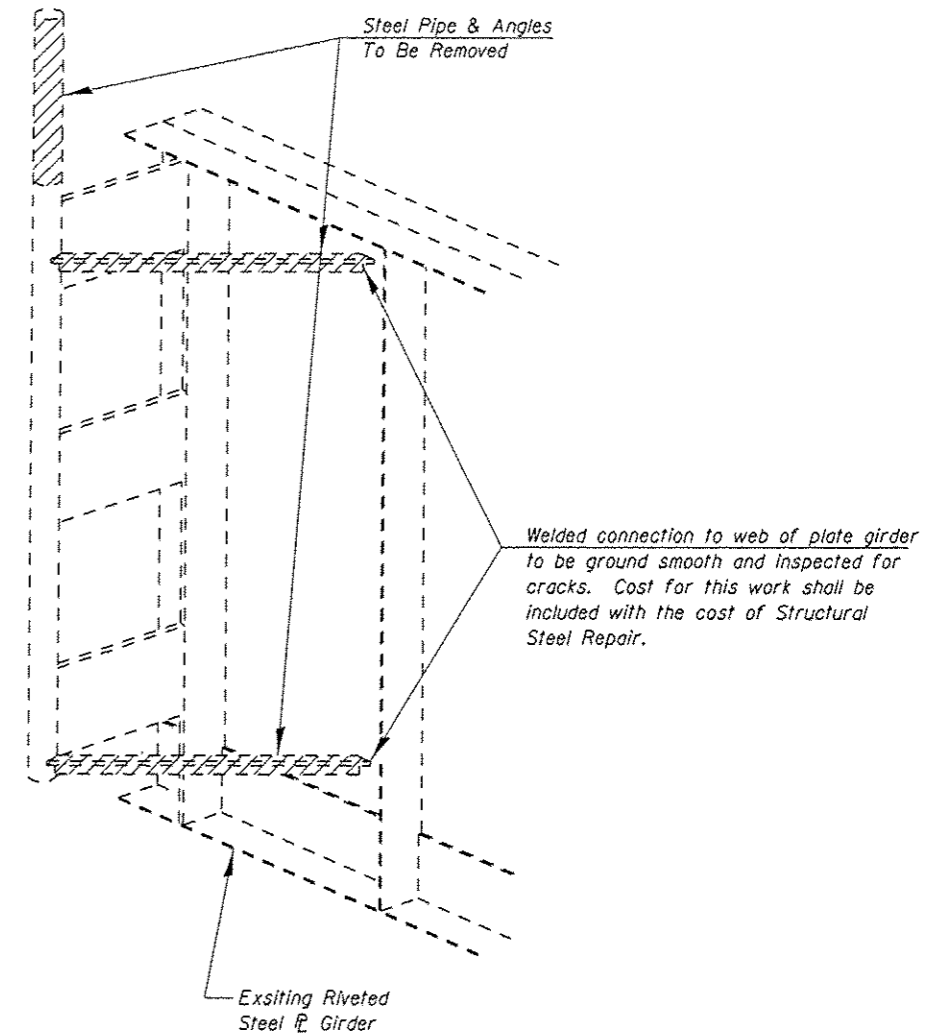
**GENERAL NOTES**

- 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.
- 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 be stainless steel or hot-dipped galvanized and 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 "Containment and Disposal of Lead Paint Cleaning Residues, Location 1."
- 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.
- Approximate surface area to be cleaned according to the special provision for "Cleaning Steel Bridge, Location 1" = 25,960 sq. ft.
- All lumber dimensions given are nominal dimensions. The minimum surfaced areas of timbers shall be as follows:

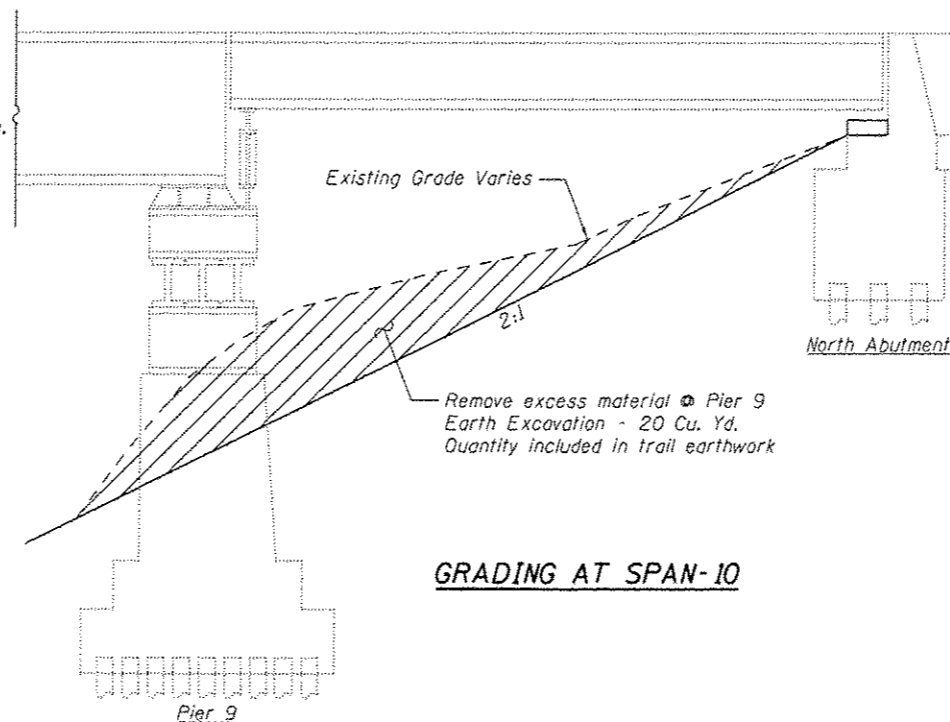
NOMINAL SIZE	DRESSED
2 x 6	1 1/2" x 5 1/2"
2 x 8	1 1/2" x 7 1/4"
2 x 12	1 1/2" x 11 1/4"
3 x 12	2 1/2" x 11 1/4"
6 x 6	5 1/2" x 5 1/2"
8 x 8	7 1/2" x 7 1/2"
10 x 8	9 1/2" x 7 1/2"

**INDEX OF SHEETS**

- General Plan & Elevation
- General Data
- Scour Countermeasure Details
- 5. Typical Cross Sections
- 7. Timber Deck Details  
Spans 1-10
- 12. Timber Framing & Railing Details  
Spans 1-10
- Timber Details
- Steel Repair Details
- 16. Abutment Details



**DETAIL OF STEEL REMOVAL AT END OF GIRDER - SPAN 1 & 10**



**GRADING AT SPAN-10**

**TOTAL BILL OF MATERIAL**

ITEM	UNIT	SUPER	SUB	TOTAL
Concrete Structures	Cu. Yd		3.1	3.1
Structural Steel Repair	Pound	6640		6640
Jacking Existing Superstructure	L. Sum	1		1
Reinforcement Bars, Epoxy Coated	Pound	292		292
Removal of Existing Timber Materials, Location 1	L. Sum	1		1
Anchor Bolts, 1 1/4"	Each	4		4
Cleaning Steel Bridge, Location 1	L. Sum	1		1
Containment and Disposal of Lead Paint Cleaning Residues, Location 1	L. Sum	1		1
Timber Deck System	Sq. Ft.	12,580		12,580
Timber Bridge Railing	Foot	2220.5		2220.5
Permanent Sheet Piling	Sq. Ft.	3480		3480
Seal Coat Concrete	Cu. Yd.	156.0		156.0
Stone Riprap, Class A5 (Special)	Ton	1570		1570

\* See Special Provisions



JOB # 2278  
 FILE # 2278, Sangamon General Data.dgn  
 DATE 3/28/2016

DESIGNED - RK  
 CHECKED - AAN  
 DRAWN - SJS  
 CHECKED - MDC

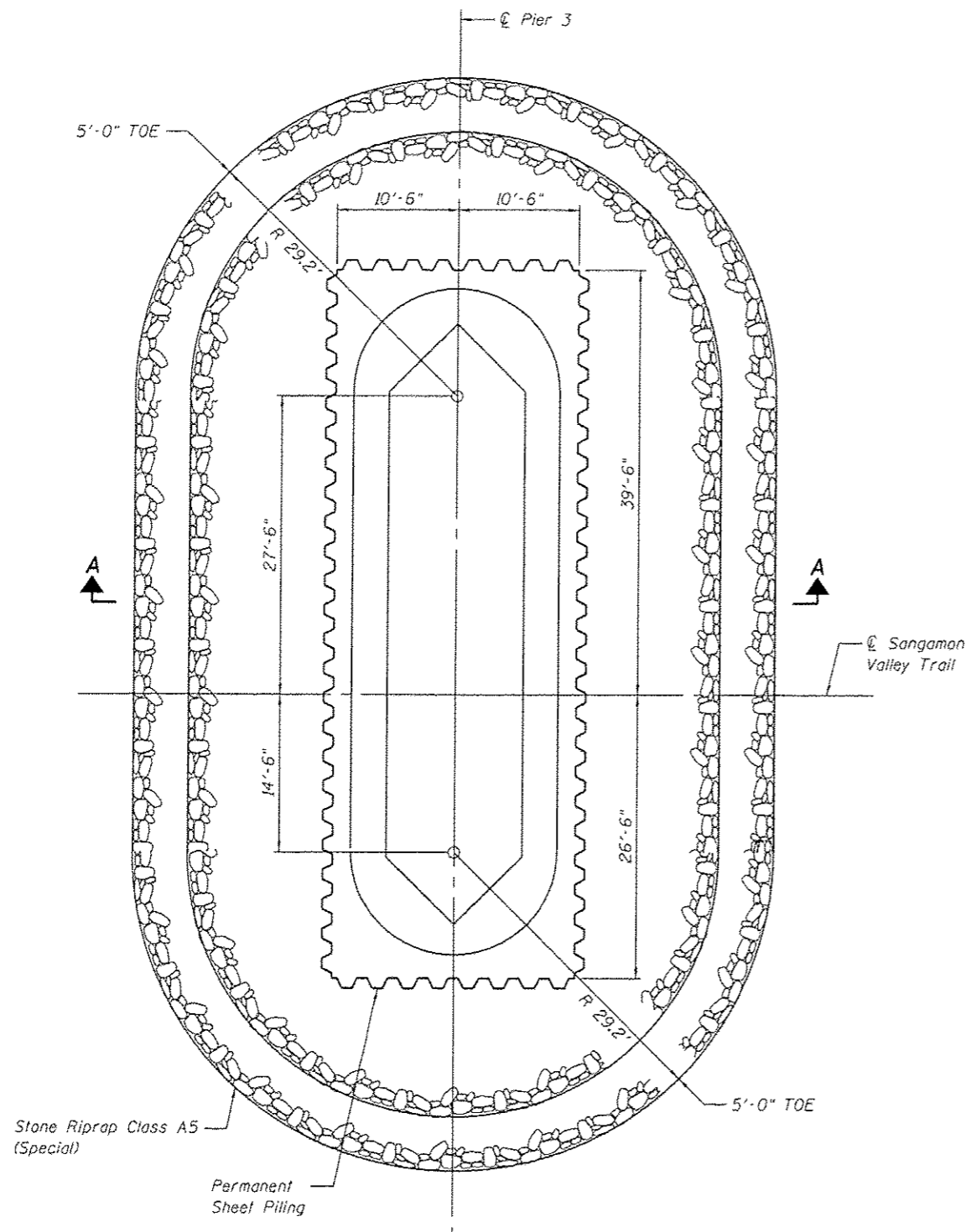
REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**SANGAMON VALLEY TRAIL**

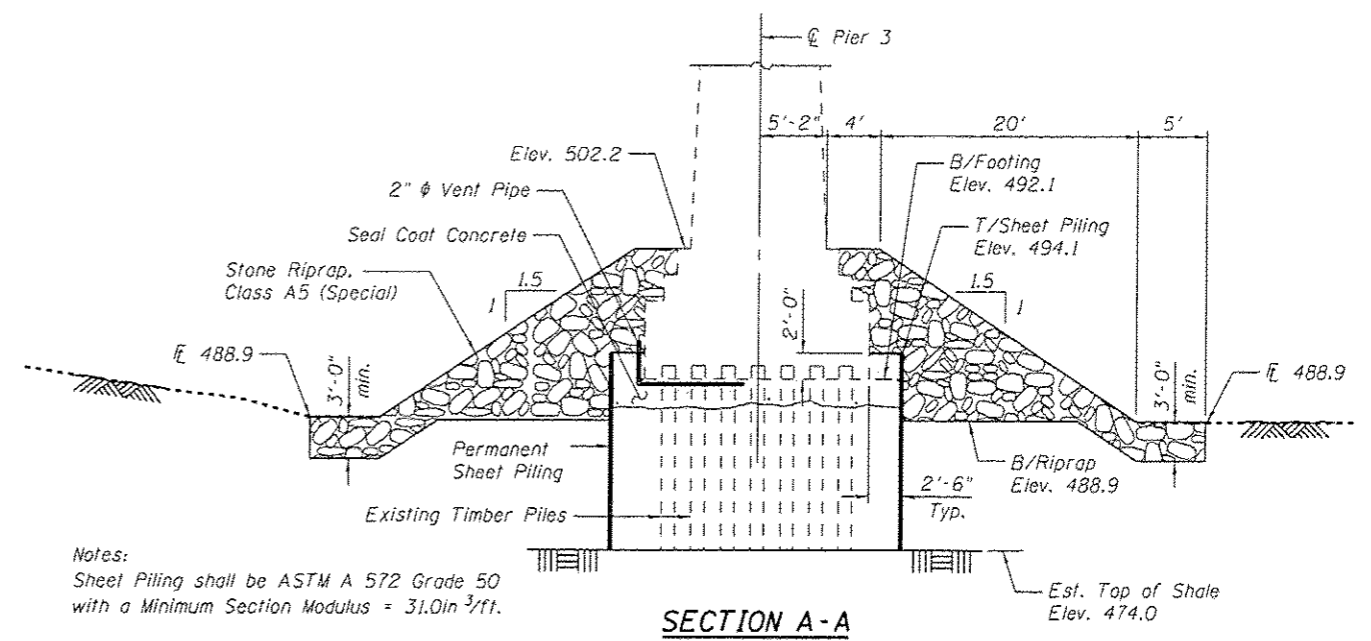
**GENERAL DATA**  
 STRUCTURE NO. 084-8015

SHEET NO. 2 OF 16 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	10-00173-02-BT	SANGAMON	157	76
CONTRACT NO. 93687				
ILLINOIS FED. AID PROJECT				



PLAN AT PIER 3



SECTION A-A

Notes:  
Sheet Piling shall be ASTM A 572 Grade 50  
with a Minimum Section Modulus = 31.0in<sup>3</sup>/ft.

**INSTALLATION PROCEDURE**

1. Remove existing riprap allow for installation of sheet piling.
2. Install sheet piling to elevations shown.
3. Install vent pipe.
4. Dewater sheet piling.
5. Pour Seal Coat Concrete inside sheet piling to top of sheet piling.
6. Install riprap to elevations shown.

**BILL OF MATERIAL**

ITEM	UNIT	TOTAL
Stone Riprap, Class A5 (Special)	Ton	1570
Permanent Sheet Piling	Sq. Ft.	3480



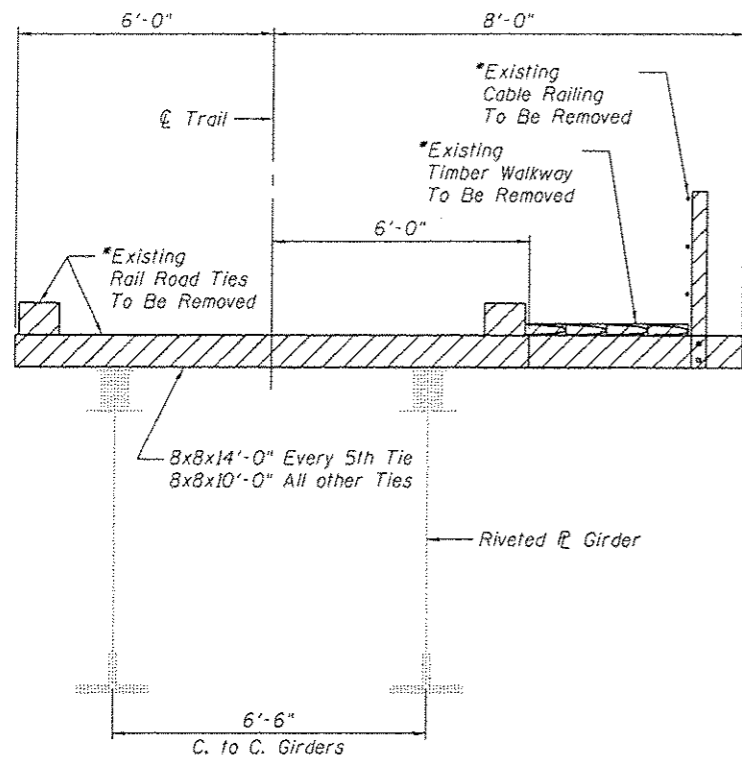
JOB	• 2278	DESIGNED	- RK	REVISED	-
FILE	• 2278_Sangamon General Det.dgn	CHECKED	- AAN	REVISED	-
DATE	• 3/28/2016	DRAWN	- SJS	REVISED	-
		CHECKED	- WDC	REVISED	-

**SANGAMON VALLEY TRAIL**

**SCOUR COUNTERMEASURE DETAILS  
STRUCTURE NO. 084-8015**

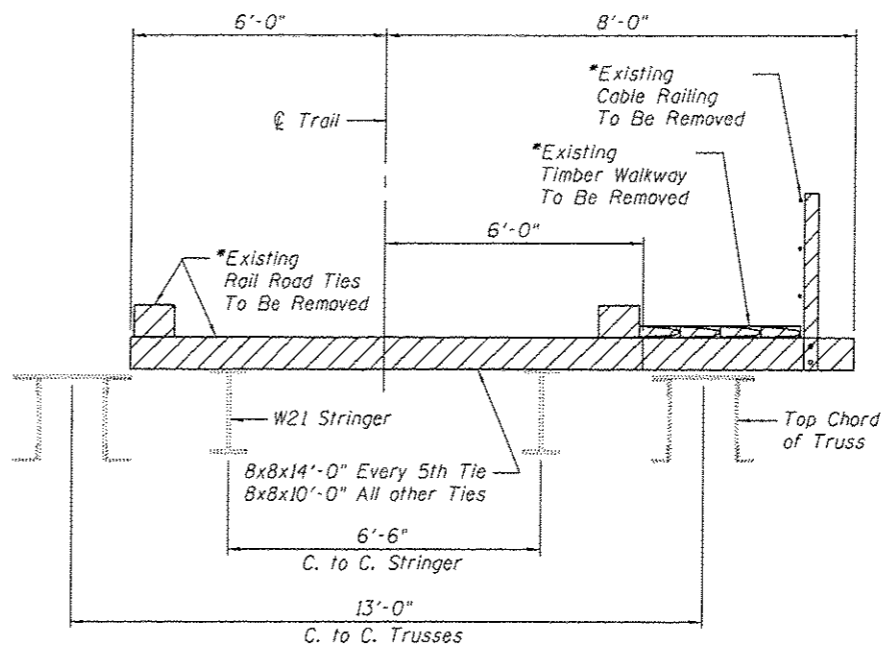
SHEET NO. 3 OF 16 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	10-00173-02-BT	SANGAMON	157	77
CONTRACT NO. 93687			ILLINOIS FED. AID PROJECT	

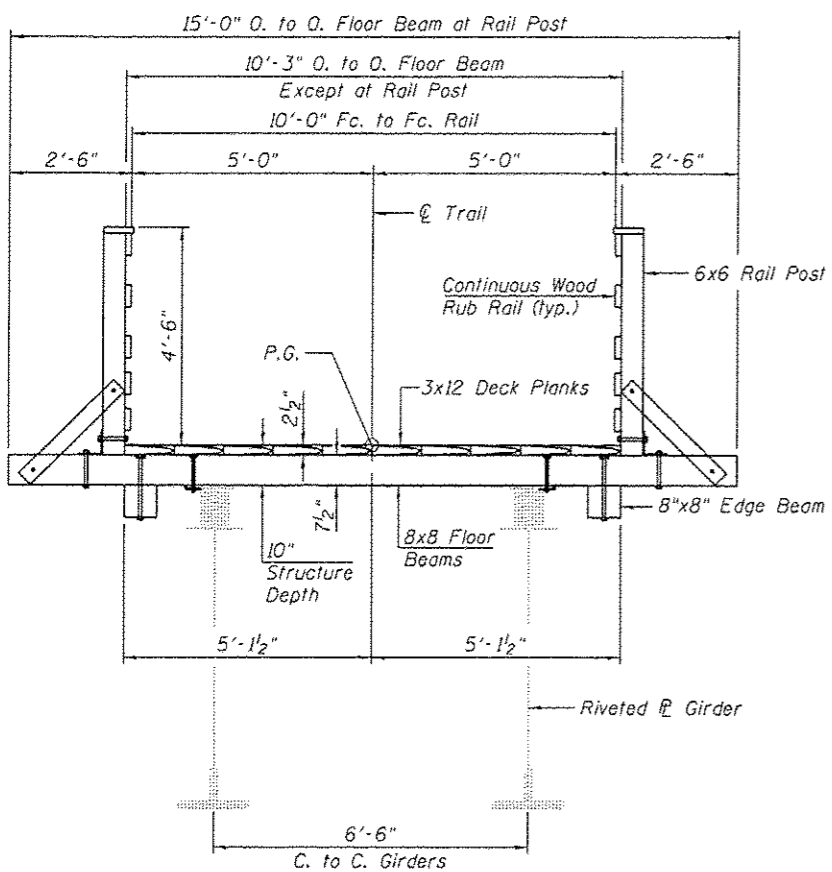


**EXISTING CROSS SECTION  
SPAN 1**

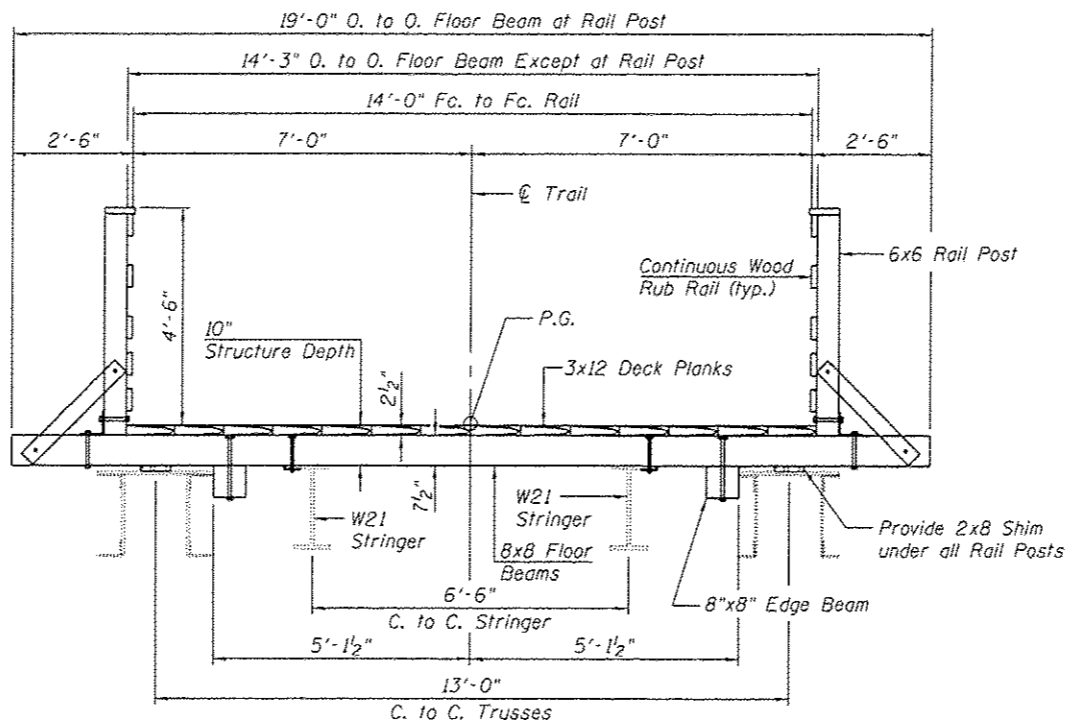
\* Cost Included with "Removal of Existing Timber Materials, Location 1"



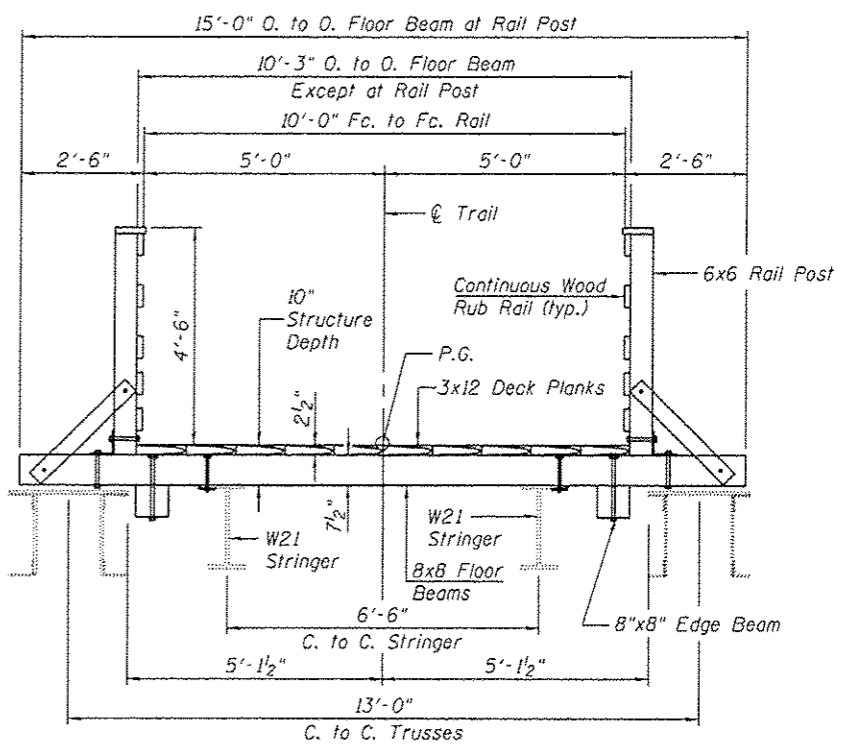
**EXISTING CROSS SECTION  
SPANS 2 THRU 6**



**PROPOSED CROSS SECTION  
SPAN 1**



**PROPOSED CROSS SECTION  
SPANS 3 & 4**



**PROPOSED CROSS SECTION  
SPANS 2, 5 & 6**

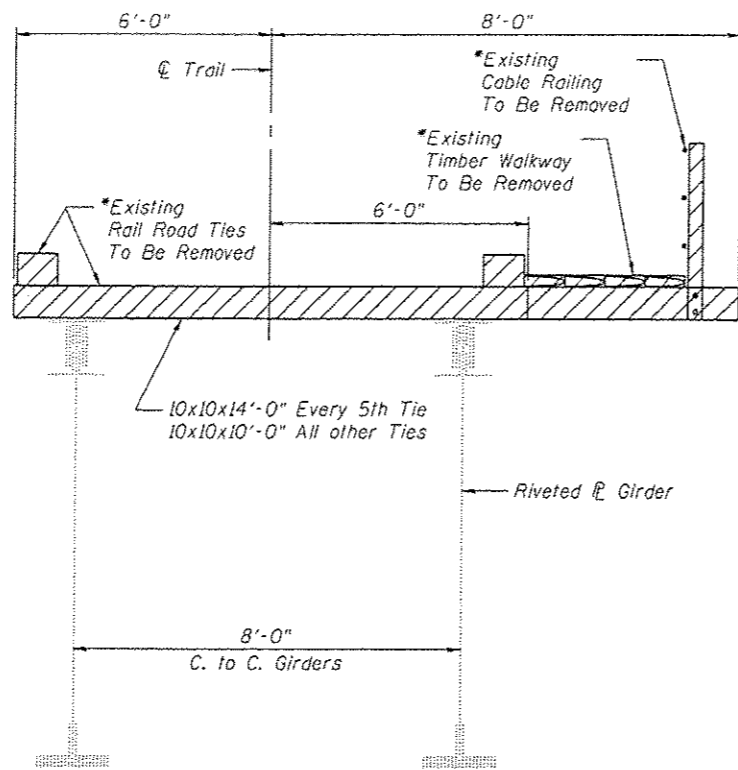
<b>CEC</b> Civil and Structural Engineering	Cummins Engineering Corporation	JOB # 2278	DESIGNED - AAN	REVISED -
		FILE # 2278_Sang_XS.dgn	CHECKED - TSH	REVISED -
		DATE # 3/25/2016	DRAWN - SJS	REVISED -
			CHECKED - MDC	REVISED -

**SANGAMON VALLEY TRAIL**

**TYPICAL CROSS SECTIONS  
STRUCTURE NO. 084-8015**

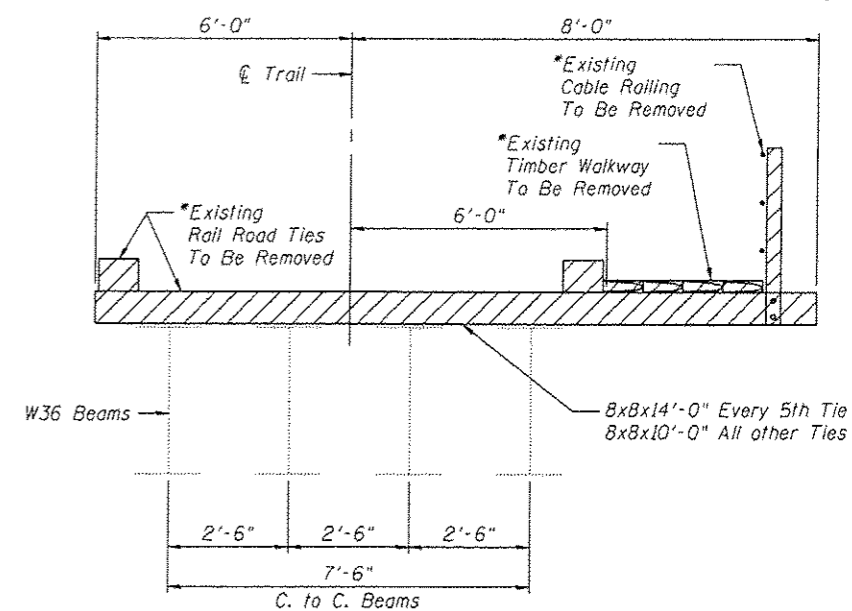
SHEET NO. 4 OF 16 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	10-00173-02-BT	SANGAMON	157	78
CONTRACT NO. 93687				
ILLINOIS FED. AID PROJECT				

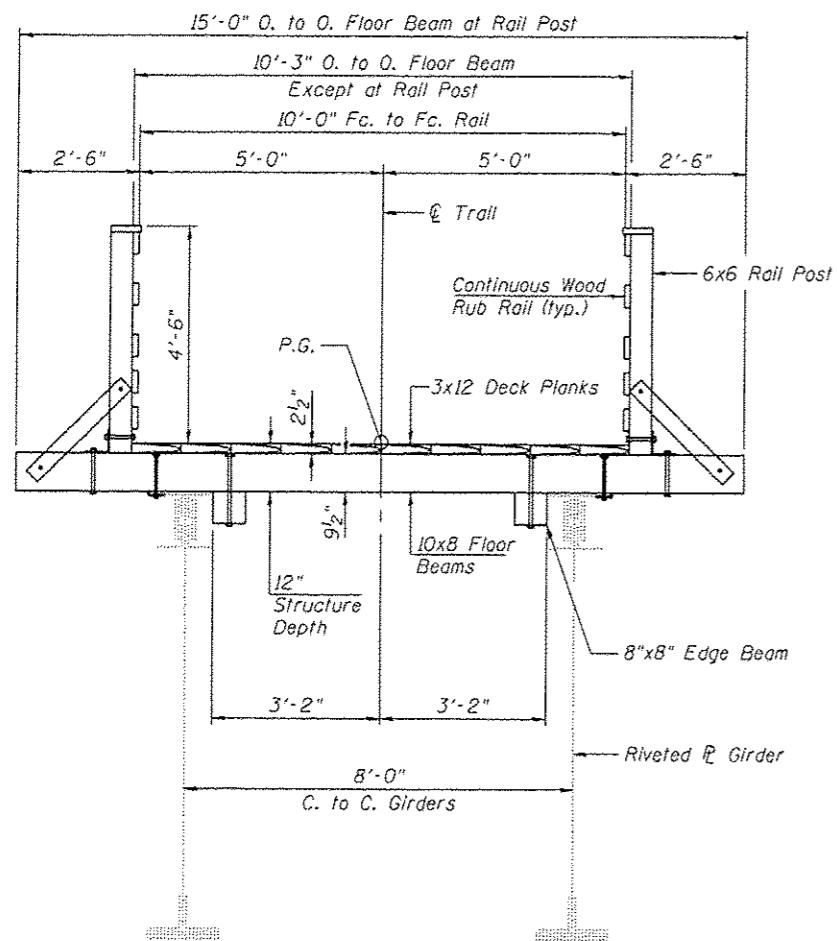


**EXISTING CROSS SECTION  
SPANS 7 THRU 9**

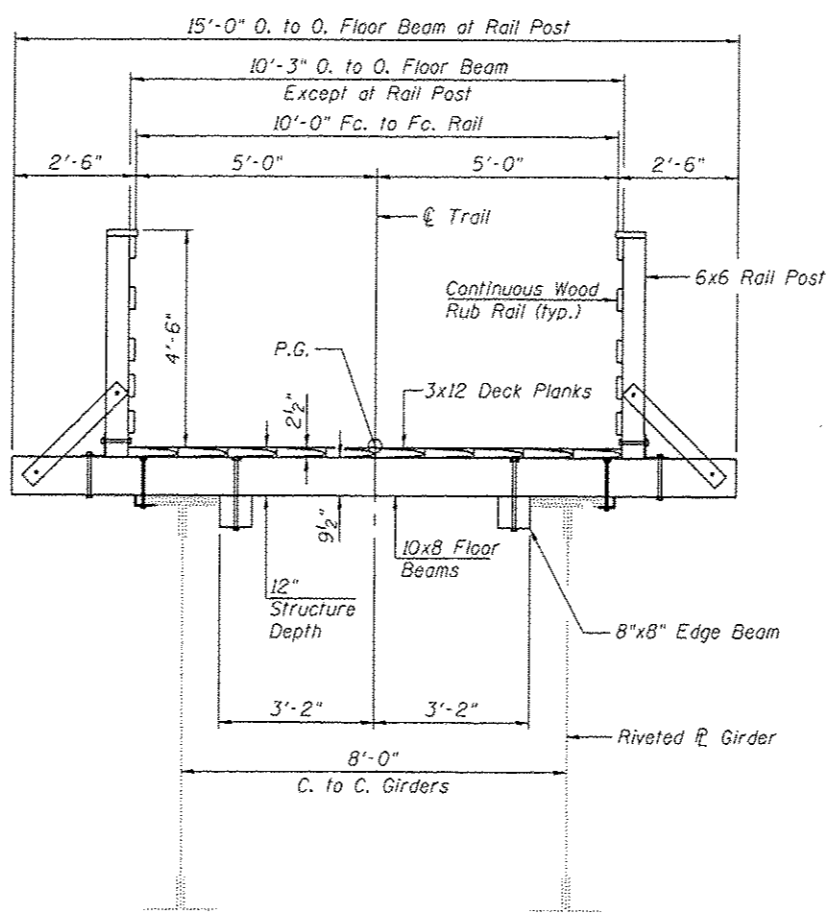
\* Cost included with "Removal of Existing Timber Materials, Location 1"



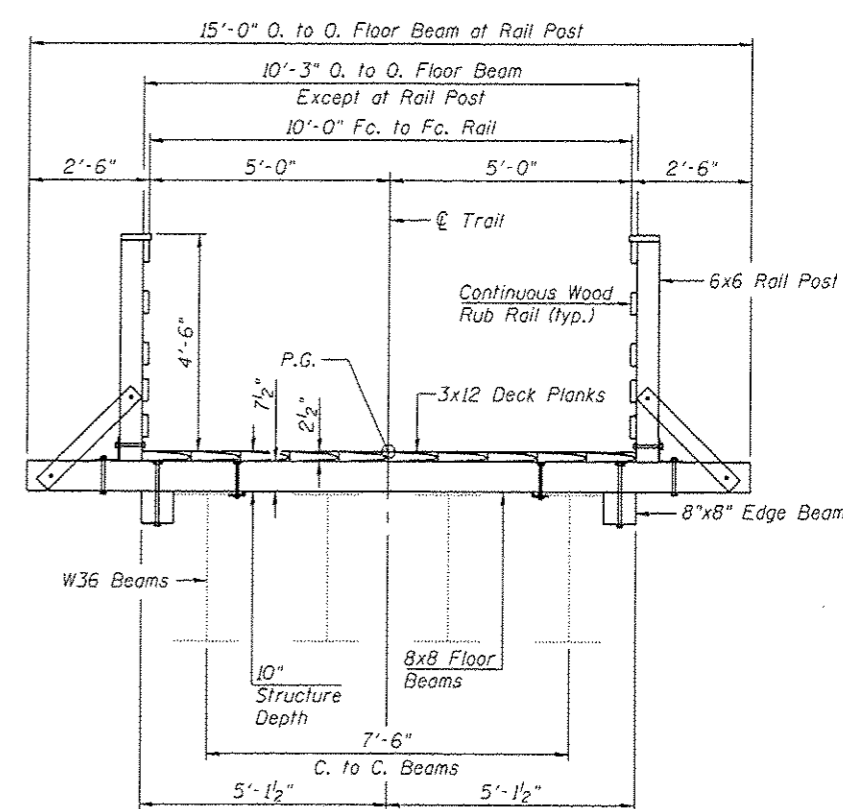
**EXISTING CROSS SECTION  
SPAN 10**



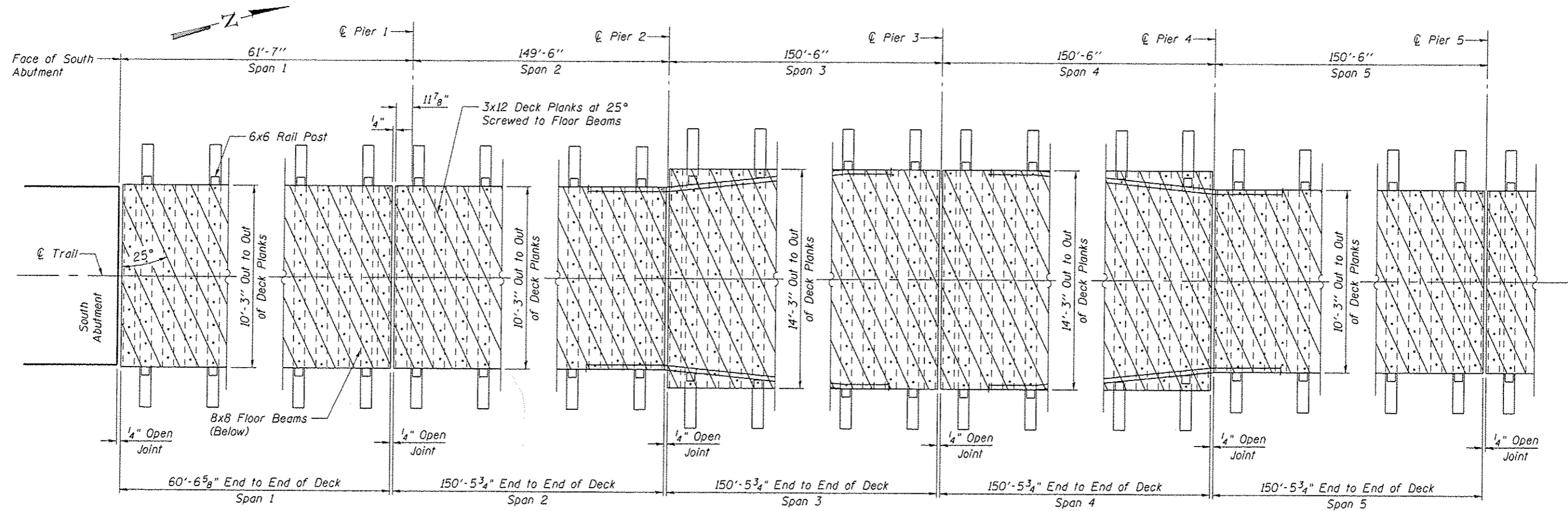
**PROPOSED CROSS SECTION  
SPANS 7 AND 8**



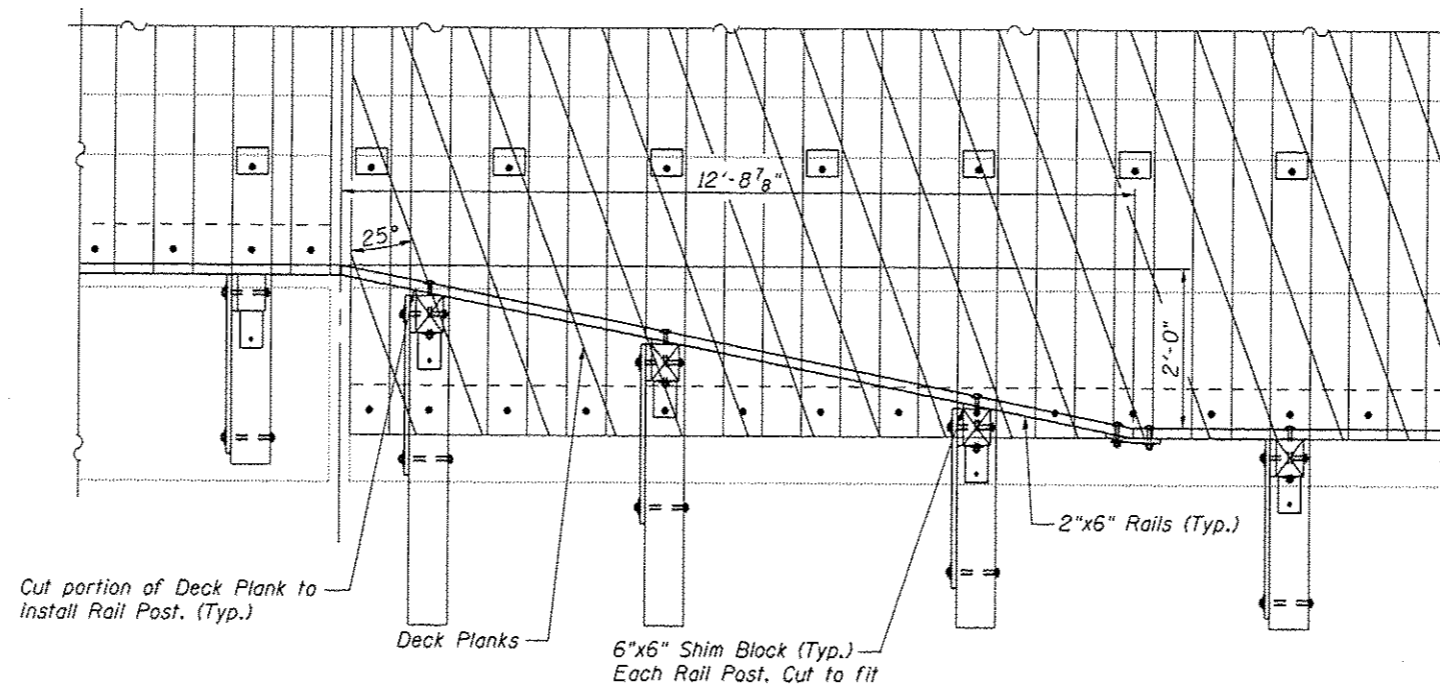
**PROPOSED CROSS SECTION  
SPAN 9**



**PROPOSED CROSS SECTION  
SPAN 10**

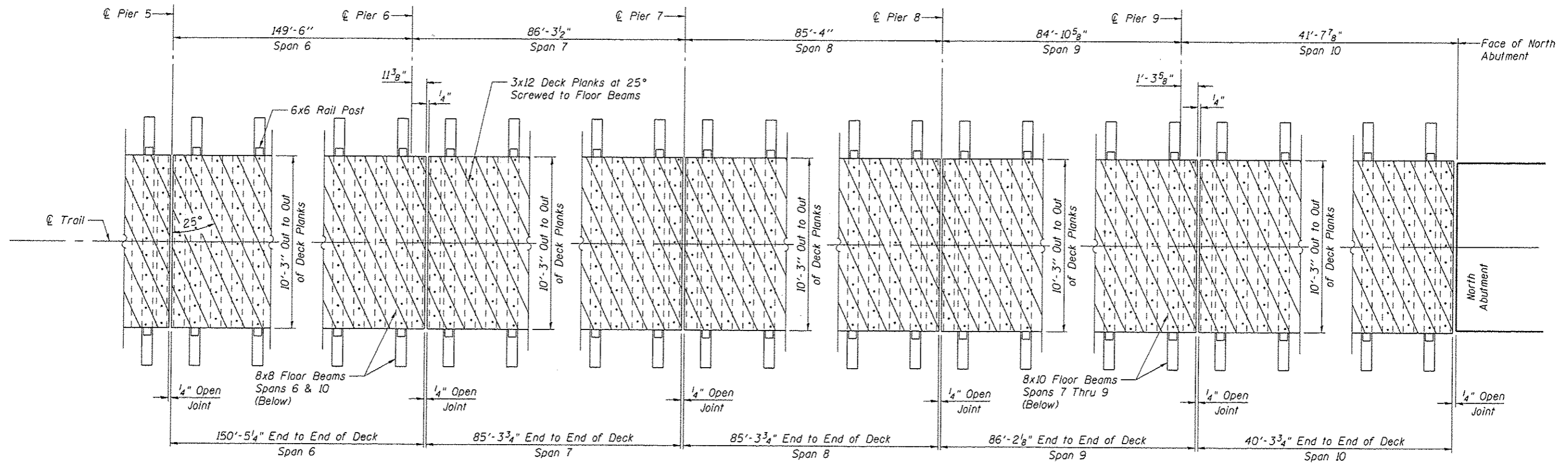
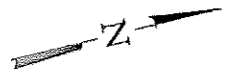


**DECKING PLAN  
SPANS 1 THRU 5**

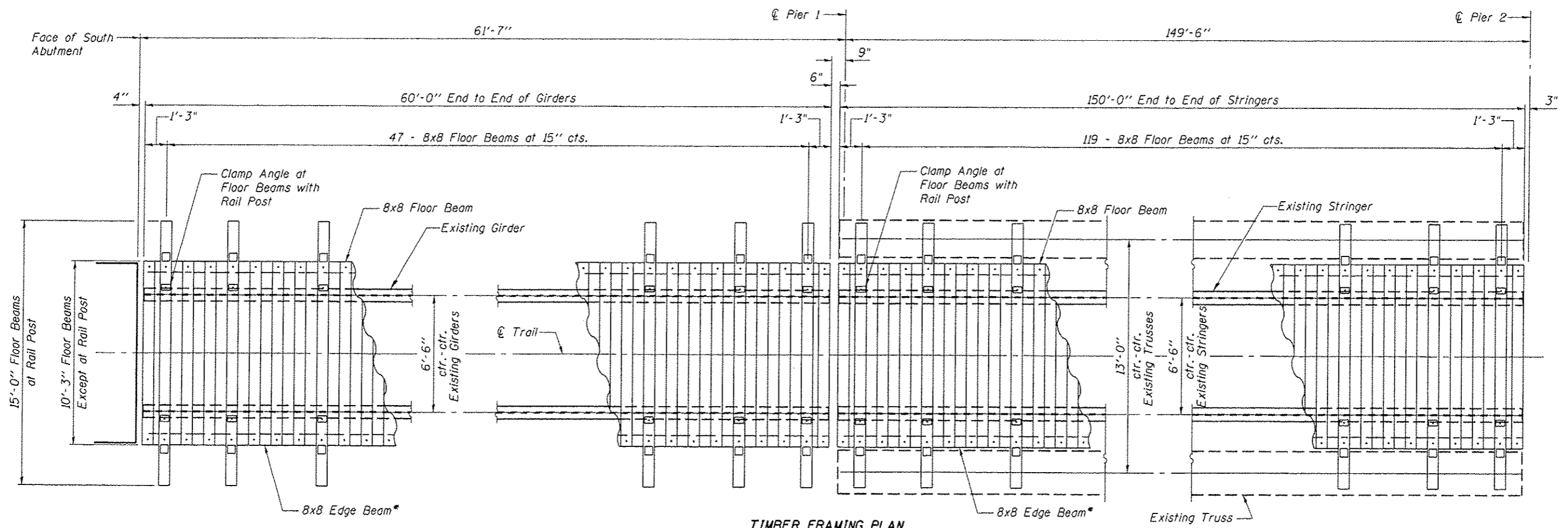


**PLAN AT RAILING TRANSITION  
SPANS 3 & 4**

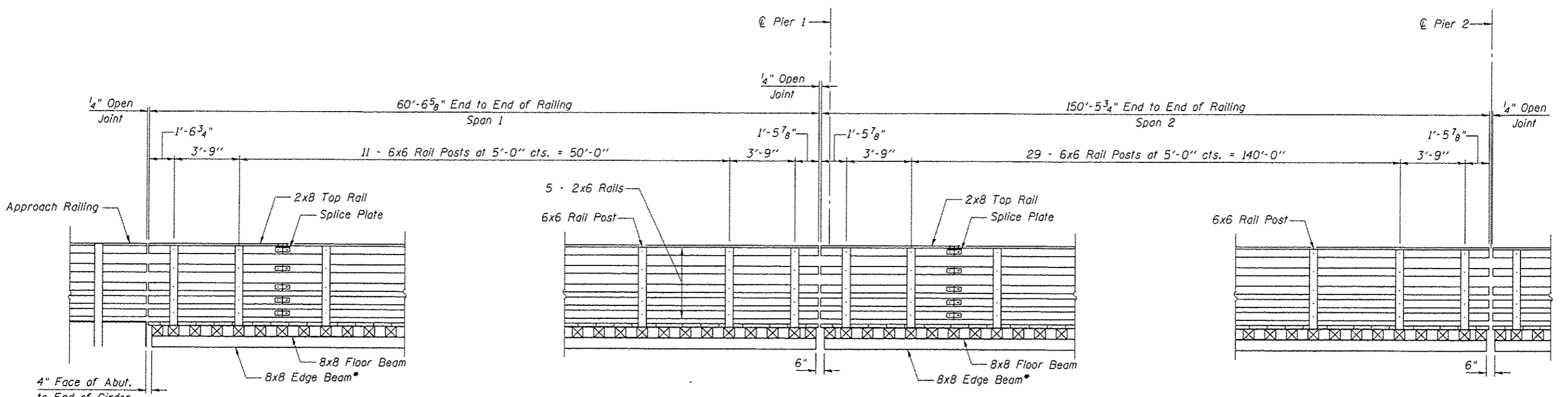




**DECKING PLAN  
SPANS 6 THRU 10**

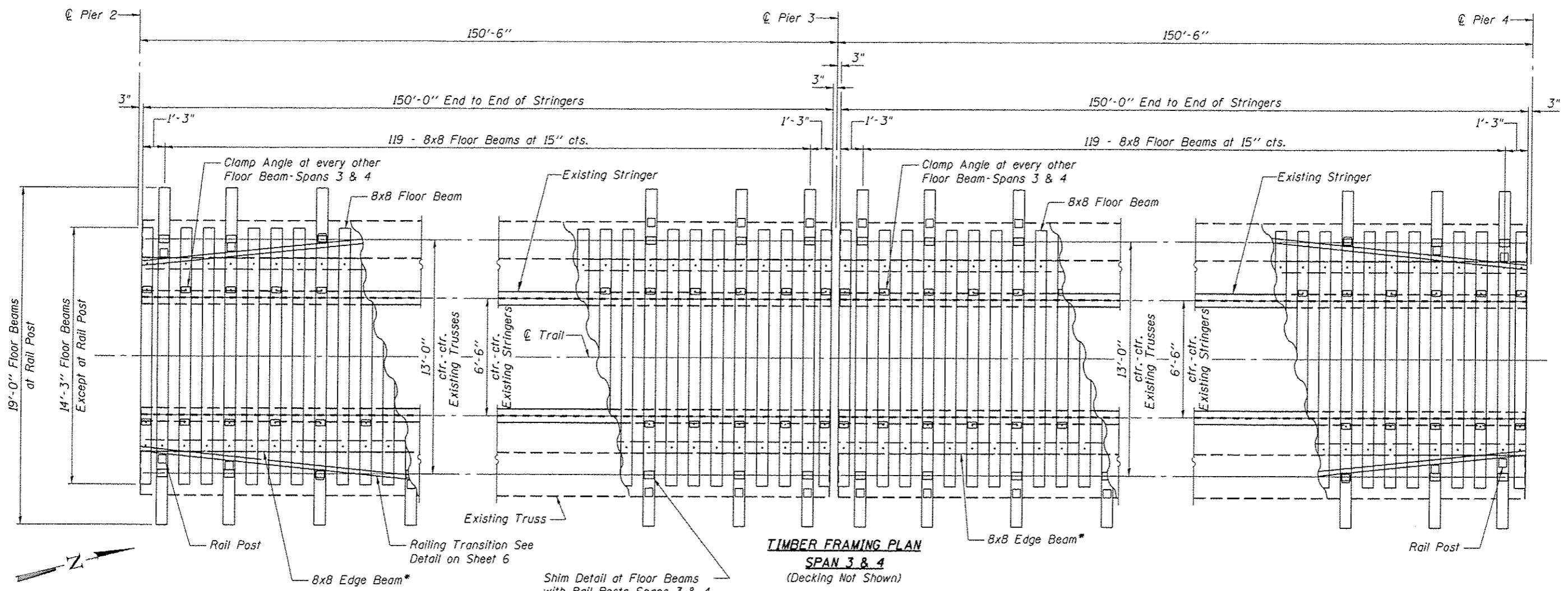


**TIMBER FRAMING PLAN**  
**SPAN 1 & 2**  
 (Decking Not Shown)

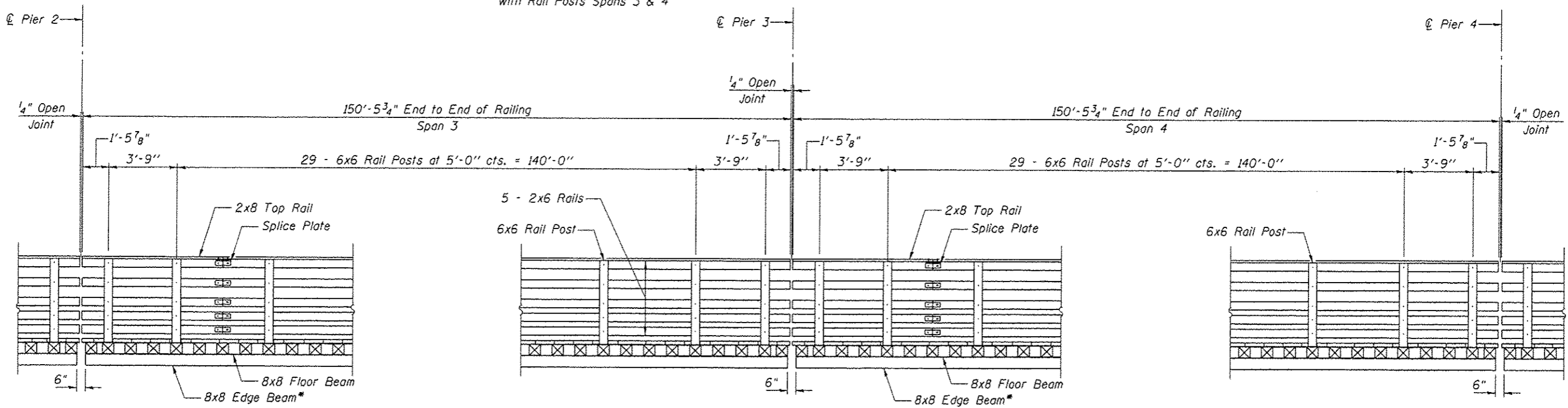


**RAIL ELEVATION**  
**SPAN 1 & 2**

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

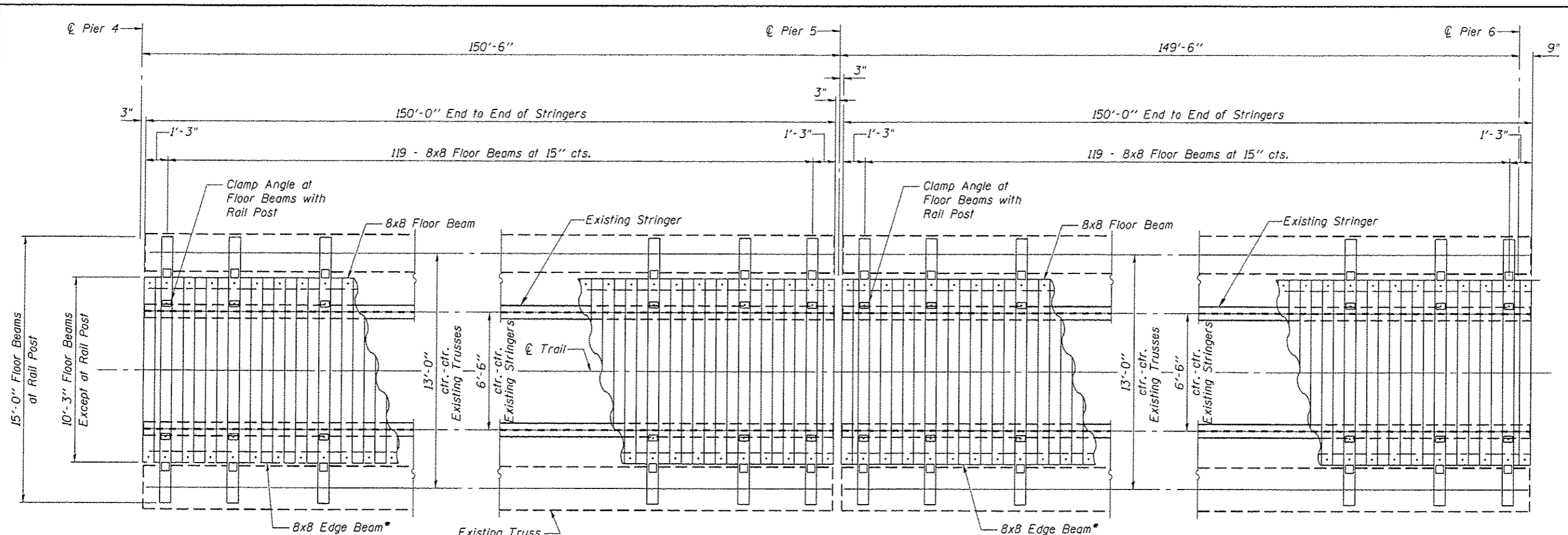


**TIMBER FRAMING PLAN**  
**SPAN 3 & 4**  
 (Decking Not Shown)

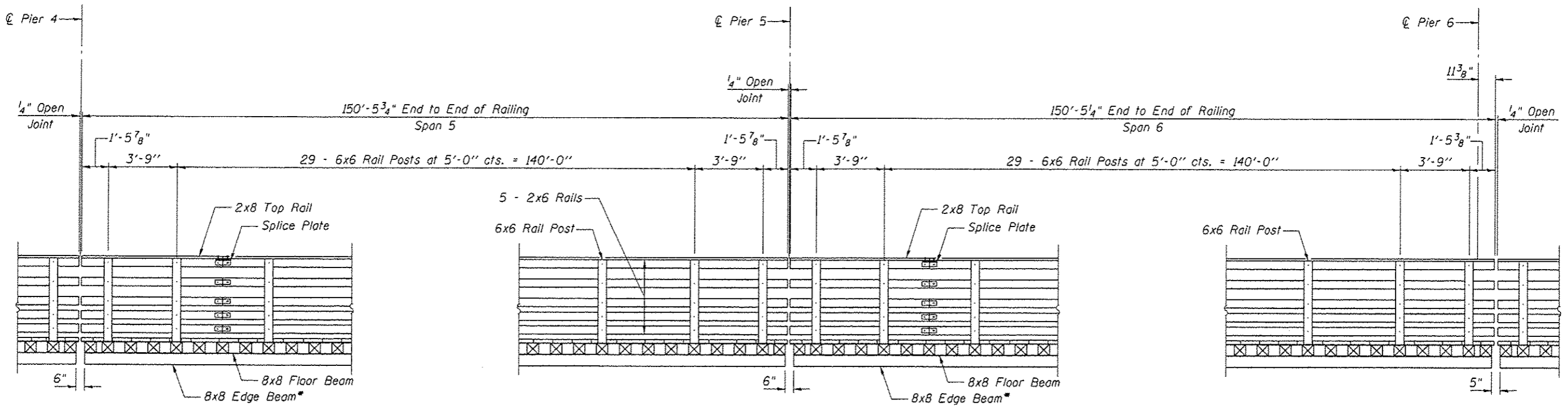
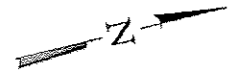


**RAIL ELEVATION**  
**SPAN 3 & 4**

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

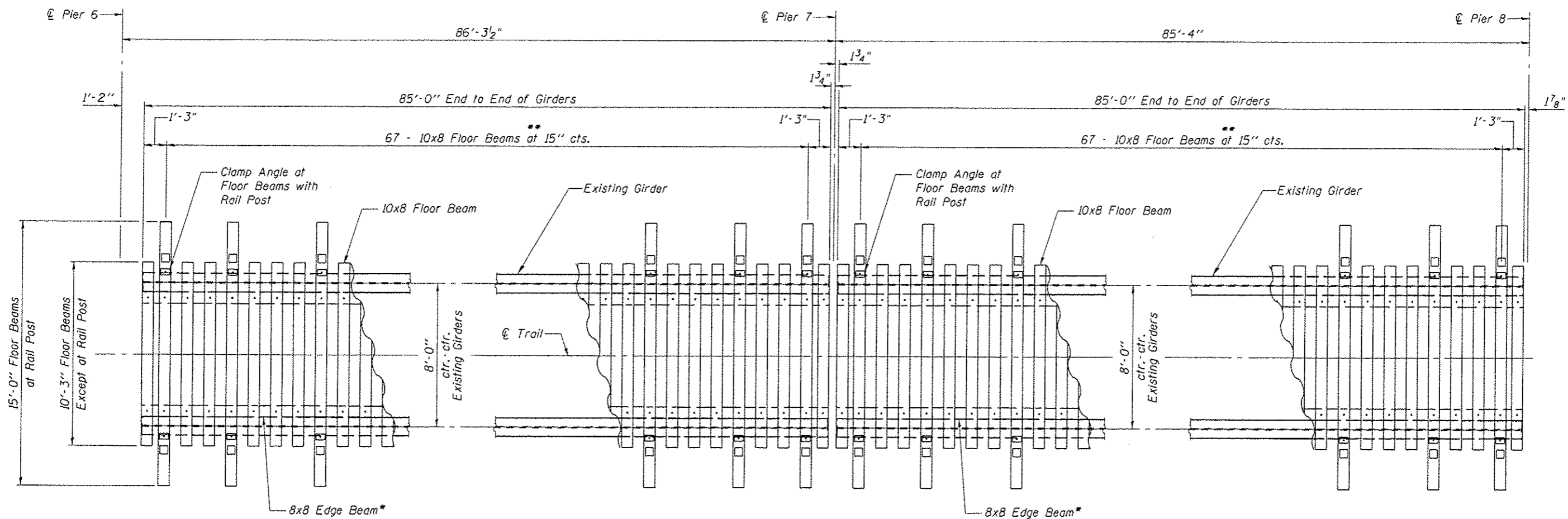


**TIMBER FRAMING PLAN**  
**SPAN 5 & 6**  
 (Decking Not Shown)

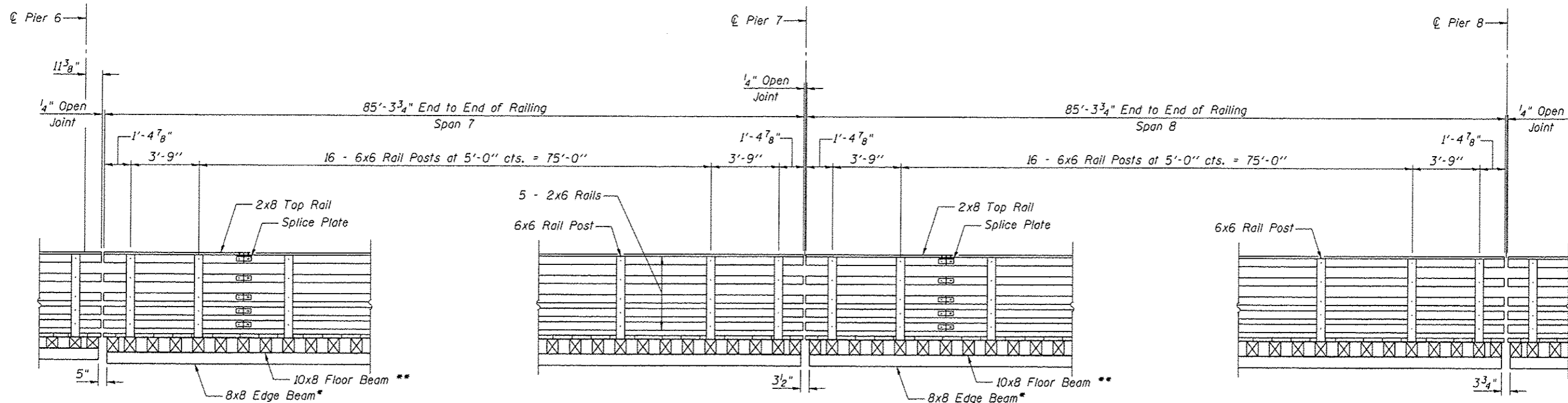
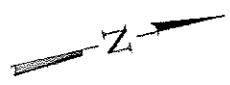


**RAIL ELEVATION**  
**SPAN 5 & 6**

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



**TIMBER FRAMING PLAN**  
**SPAN 7 & 8**  
 (Decking Not Shown)

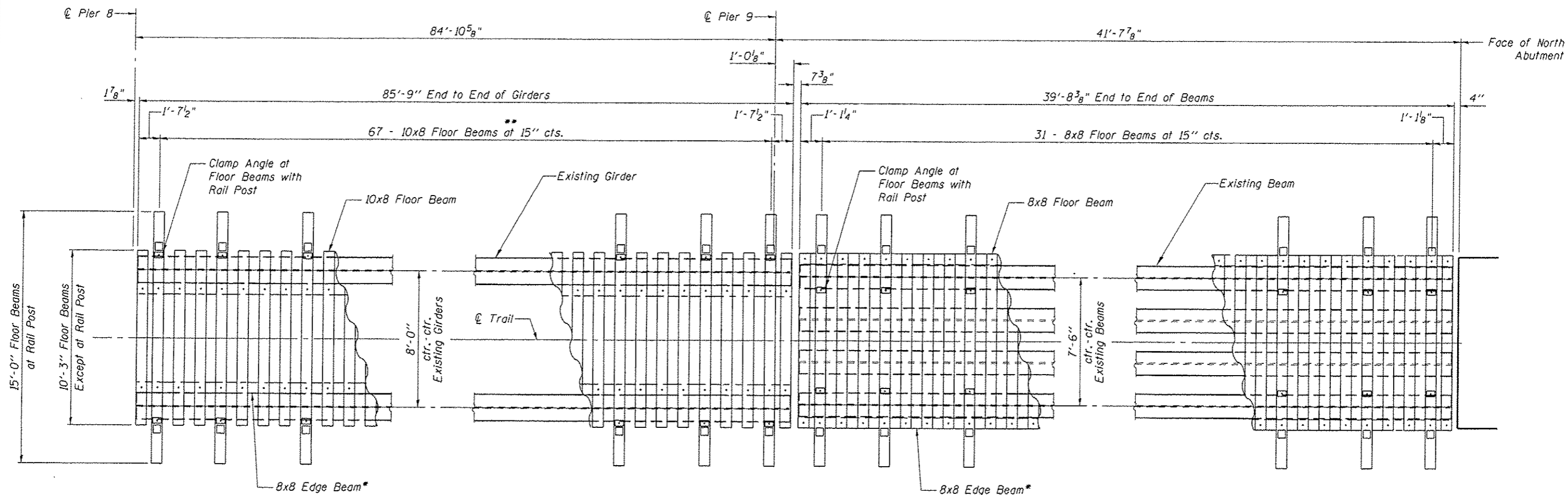


**RAIL ELEVATION**  
**SPAN 7 & 8**

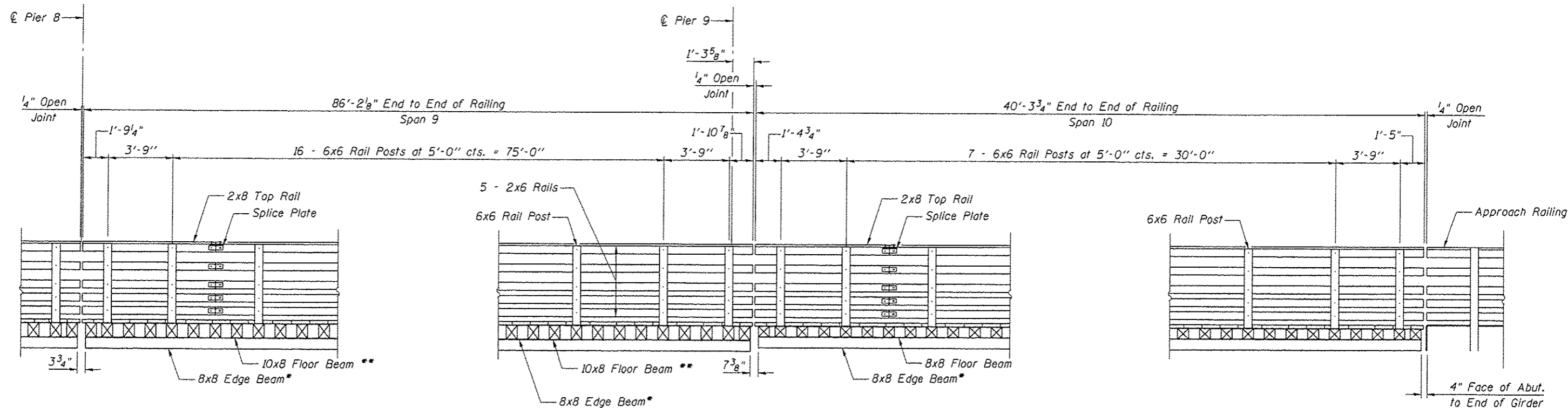
\* Provide 8x8 Edge Beam in minimum 10' lengths. Locate butt joints between floor beams. No butt joints allowed at rail posts.

\*\* 10" dimension shall be vertical.

<b>CEC</b> Cummins Engineering Corporation Civil and Structural Engineering	JOB • 2278	DESIGNED - RK	REVISED -	<b>SANGAMON VALLEY TRAIL</b>	<b>TIMBER FRAMING &amp; RAIL DETAILS</b> <b>STRUCTURE NO. 084-8015</b>	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	FILE • 2278sangamon_deck.dgn	CHECKED - AAN	REVISED -			10-00173-02-BT	SANGAMON	157	85	
	DATE • 3/25/2016	DRAWN - TSH	REVISED -			CONTRACT NO. 93687				
		CHECKED - MDC	REVISED -			ILLINOIS FED. AID PROJECT				
SHEET NO. 11 OF 16 SHEETS										



**TIMBER FRAMING PLAN**  
**SPAN 9 & 10**  
 (Decking Not Shown)



**RAIL ELEVATION**  
**SPAN 9 & 10**

\*\* 10" dimension shall be vertical.



Cummins Engineering Corporation  
 JOB # 2278  
 FILE # 2278sangamon\_deck.dgn  
 DATE # 3/25/2016

DESIGNED - RK  
 CHECKED - SSN  
 DRAWN - TSH  
 CHECKED - MDC

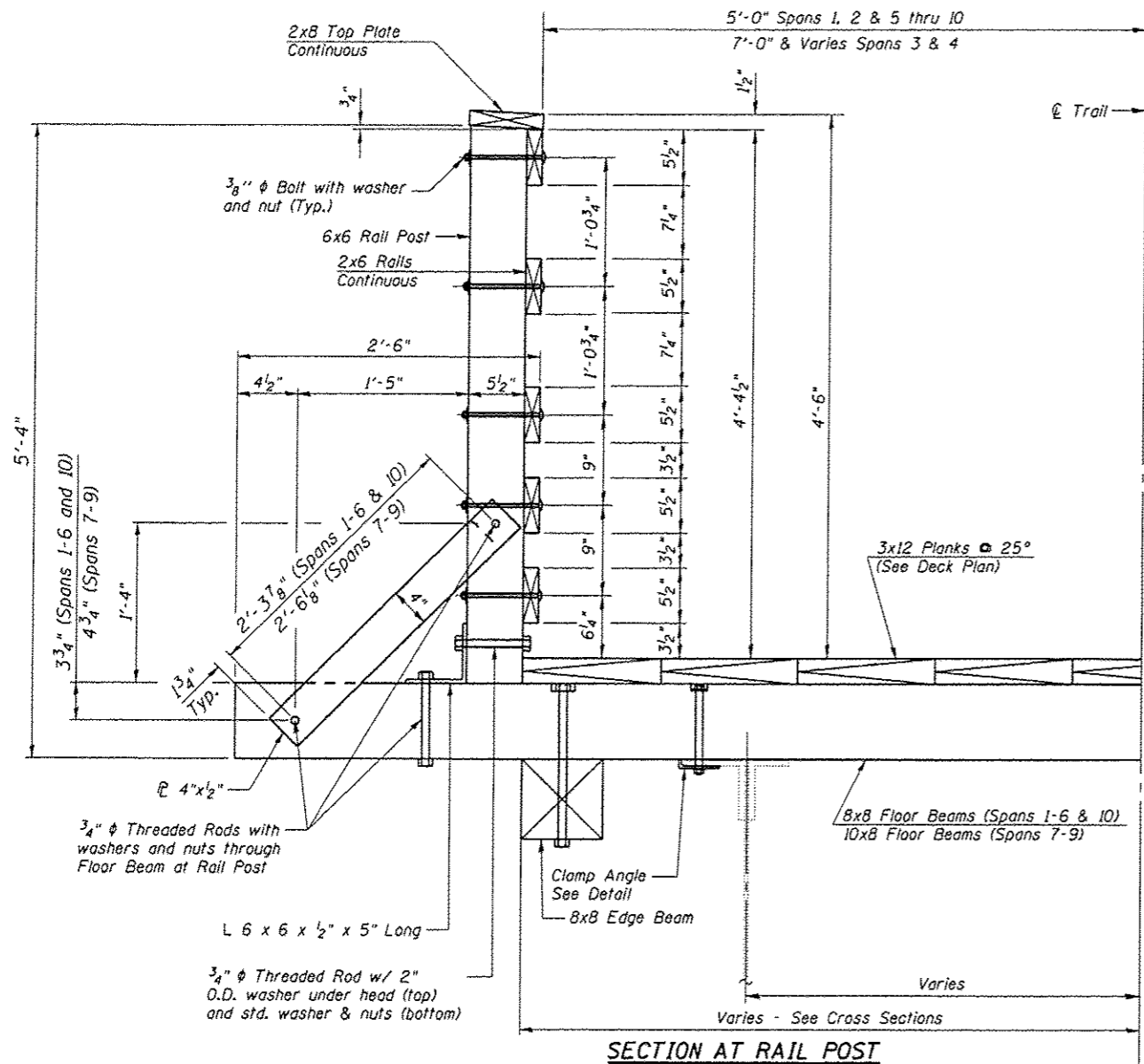
REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**SANGAMON VALLEY TRAIL**

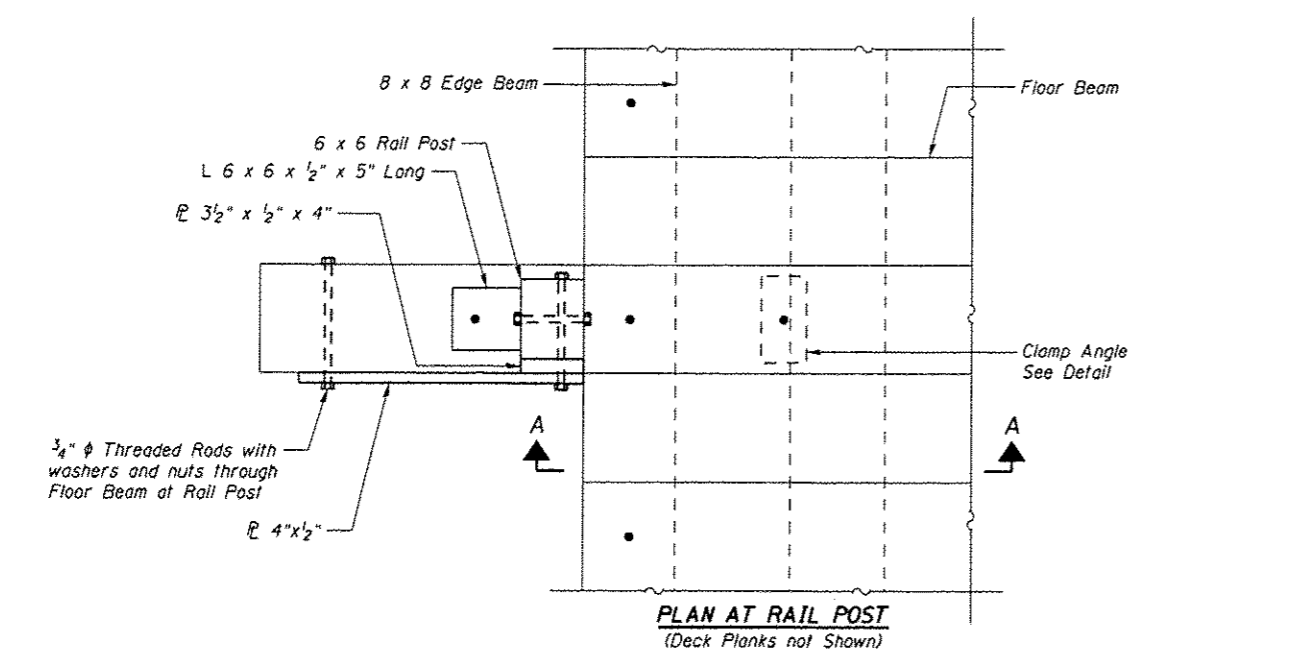
**TIMBER FRAMING & RAIL DETAILS**  
**STRUCTURE NO. 084-8015**

SHEET NO. 12 OF 16 SHEETS

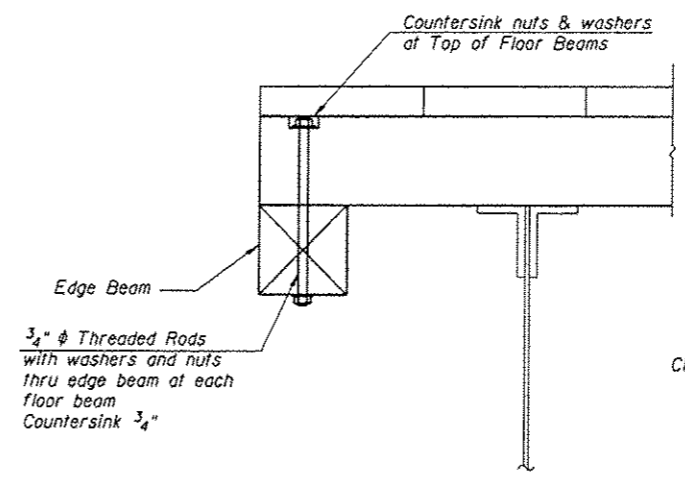
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	10-00173-02-BT	SANGAMON	157	86
CONTRACT NO. 93687			ILLINOIS FED. AID PROJECT	



**SECTION AT RAIL POST**

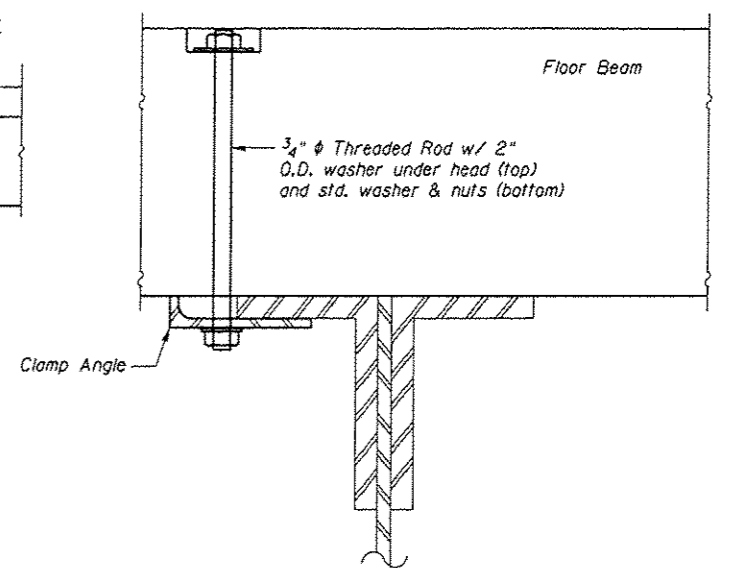


**PLAN AT RAIL POST**  
(Deck Planks not Shown)



**SECTION A-A**  
(Between Rail Posts)

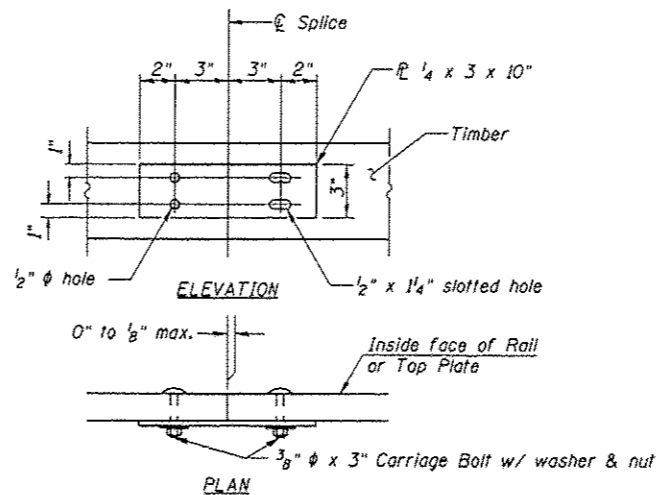
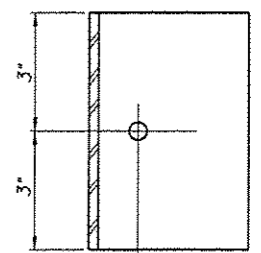
Note: See Cross Sections and Framing Plans for locations of Edge Beams and Clamp Angles.



**CLAMP ANGLE DETAIL**  
(582 Required - See Timber Framing Plans for location)

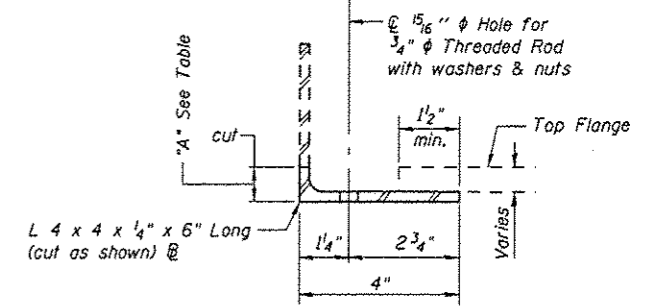
**TABLE FOR CLAMP ANGLE DETAIL**

Span	No. of Angles	Flange Thickness	"A"
1	26	5/8"	7/8"
2	62	13/16"	1 1/16"
3	122	13/16"	1 1/16"
4	122	13/16"	1 1/16"
5	62	13/16"	1 1/16"
6	62	13/16"	1 1/16"
7	36	5/8"	7/8"
8	36	5/8"	7/8"
9	32	1 1/16"	2 3/16"
10	4	1"	1 1/4"
	18	1 1/4"	1 1/2"

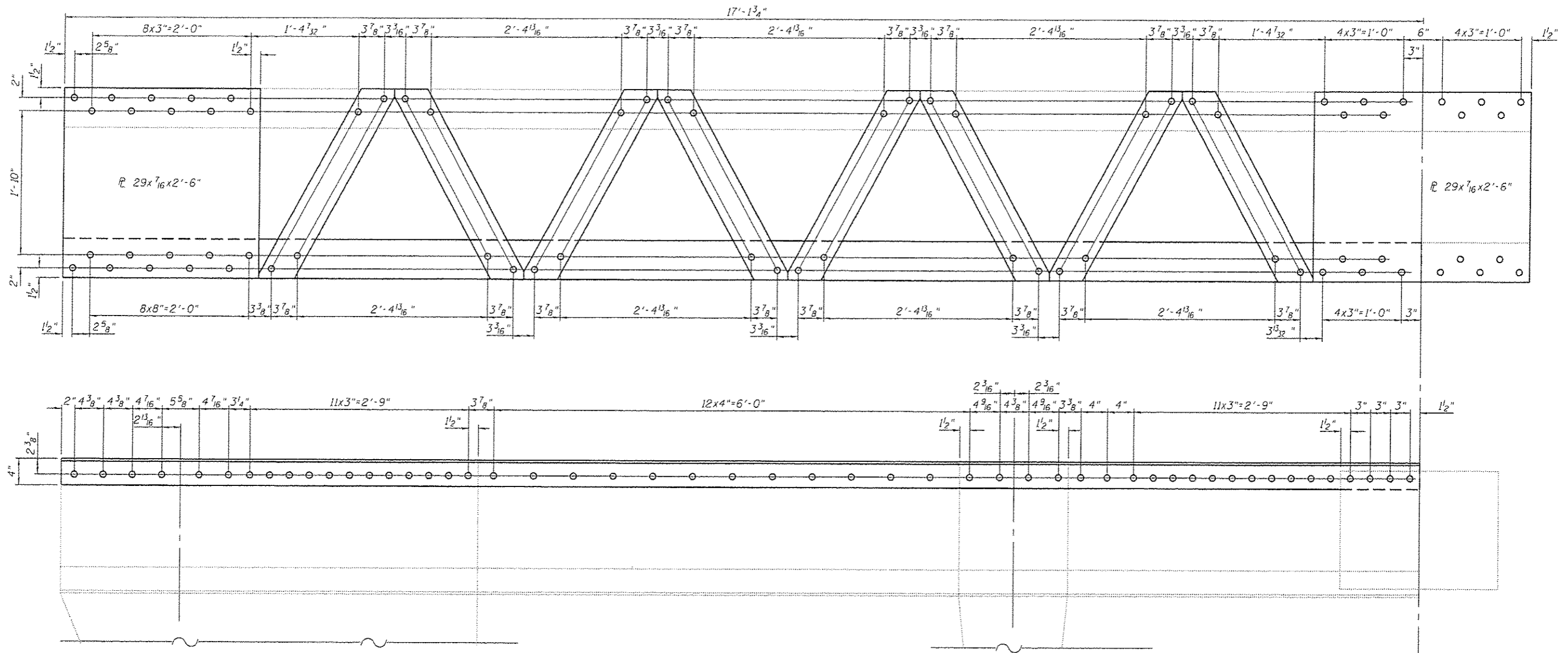


**RAIL SPLICE DETAIL**

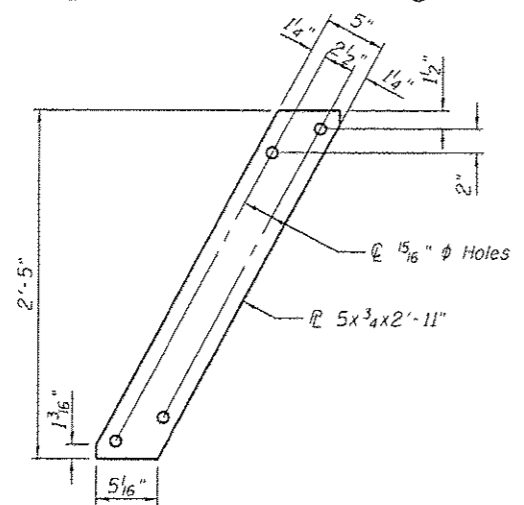
Note: Minimize splices in rails and top plate. Where possible span 3 rail posts.



**CLAMP ANGLE**



**CHORD REPAIR DETAIL  
NORTH END - SPAN 6**



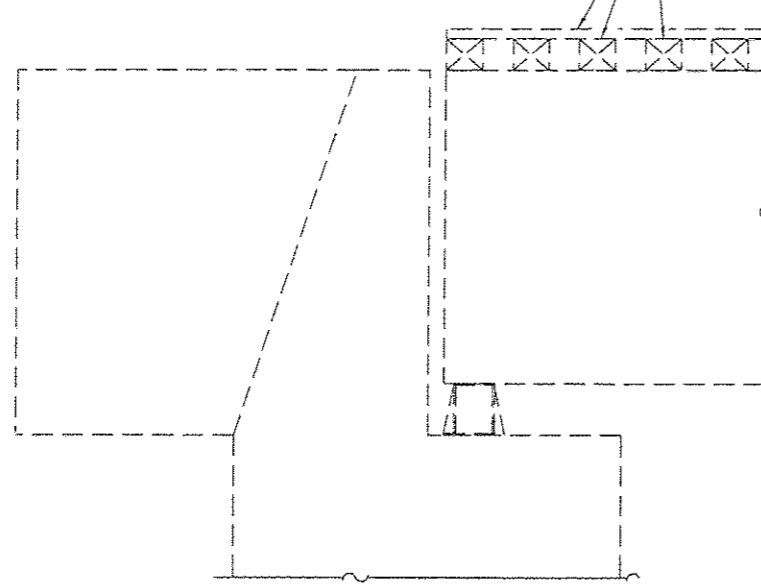
**LACE BAR DETAIL**

**BILL OF MATERIAL**

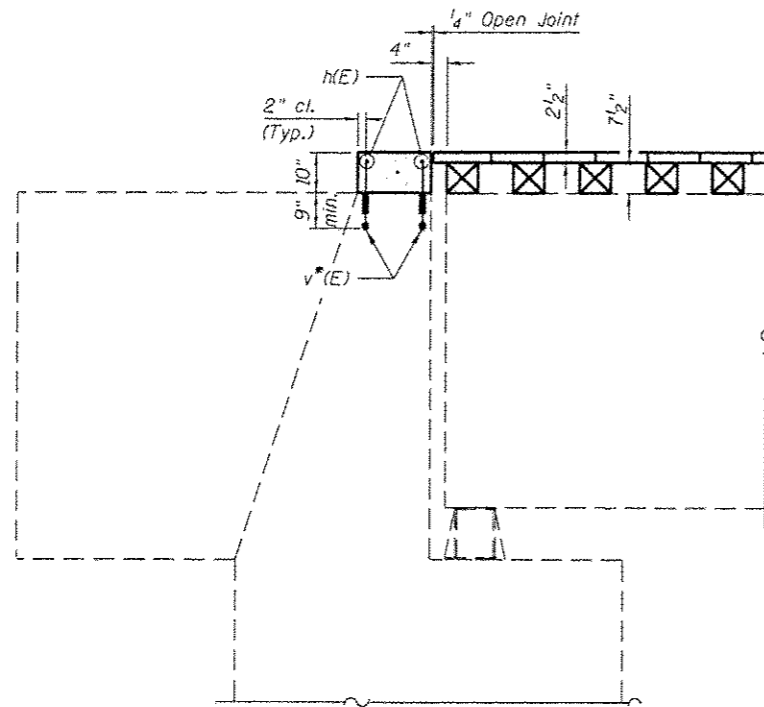
ITEM	UNIT	TOTAL
Structural Steel Repair	Pound	6,640



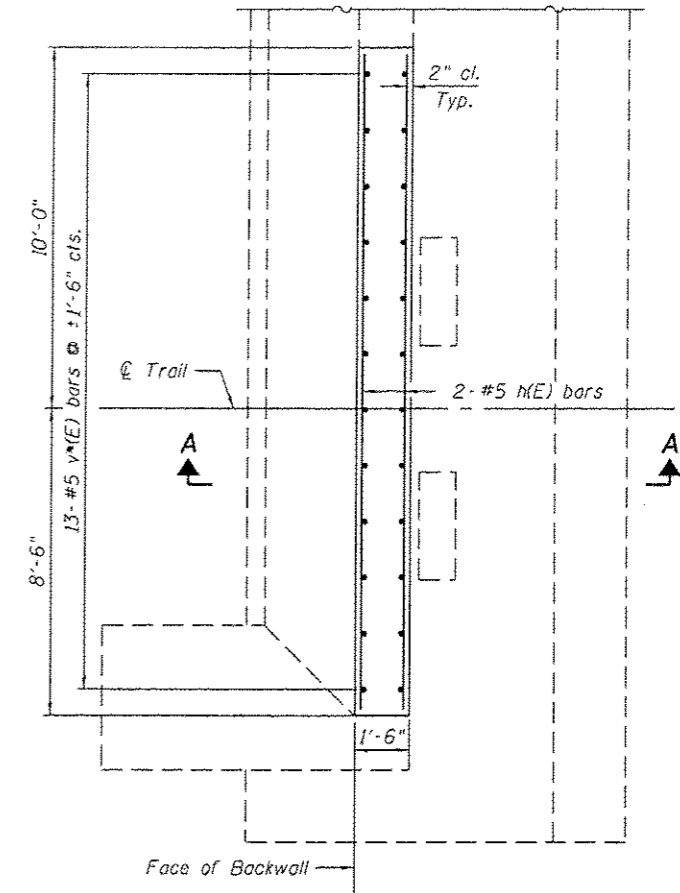
Existing Railroad Ties and Spacer to be Removed.  
Cost Included with Removal of Existing Timber Materials.  
Location 1.



**SECTION THRU EXISTING SOUTH ABUTMENT**



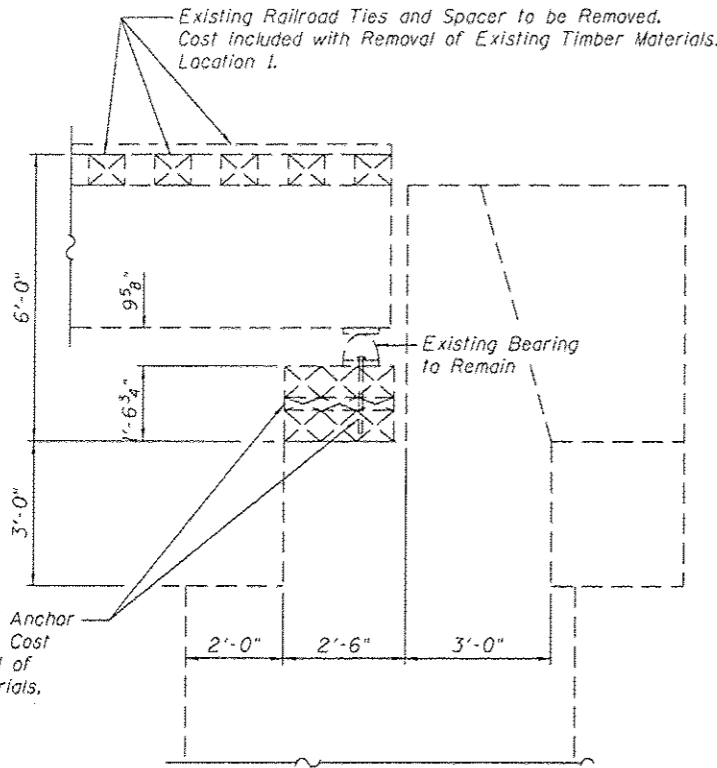
**SOUTH ABUTMENT  
SECTION A-A**



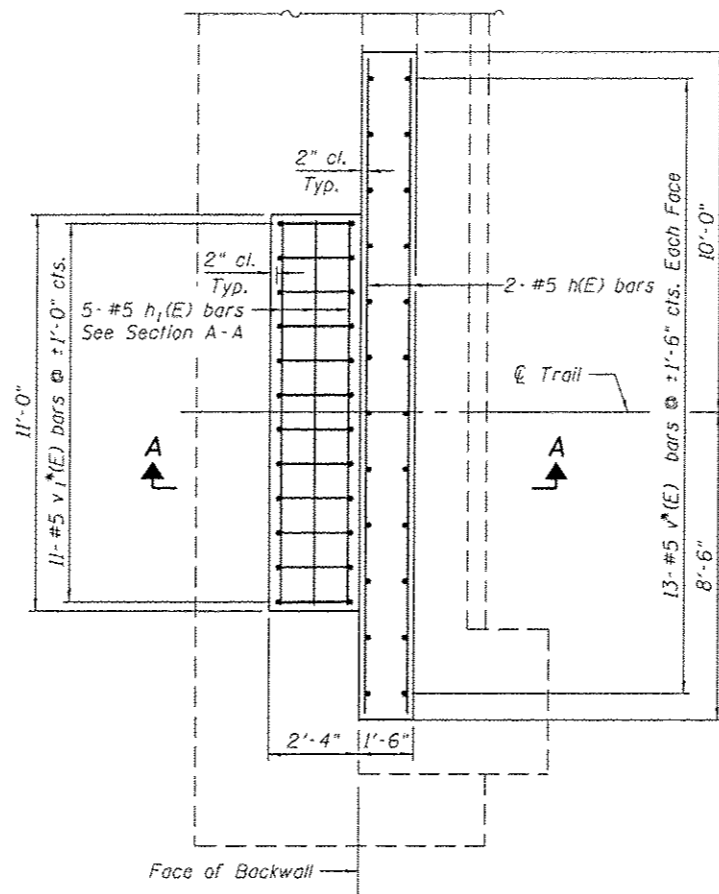
**PLAN AT SOUTH ABUTMENT**

Note:  
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.

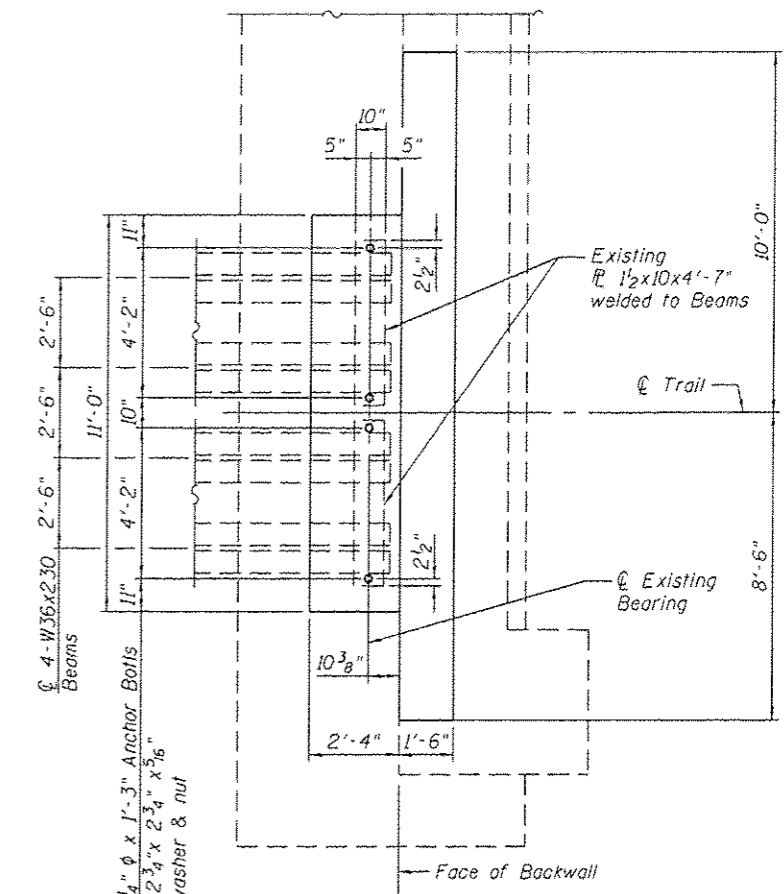
See Sheet 16 of 16 for Bill of Materials.



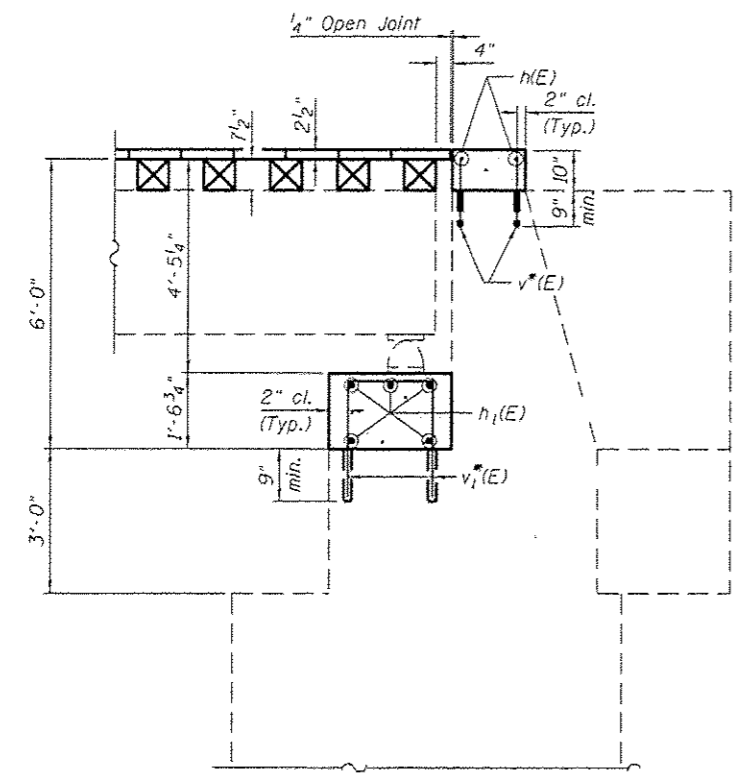
SECTION THRU EXISTING NORTH ABUTMENT



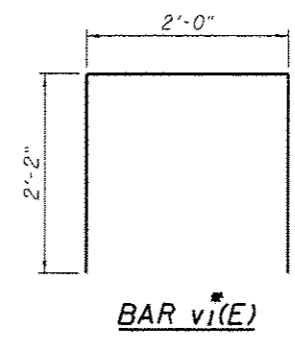
PLAN AT NORTH ABUTMENT



ANCHOR BOLT DETAIL NORTH ABUTMENT



NORTH ABUTMENT SECTION A-A



BILL OF MATERIAL TWO ABUTMENTS

Bar	No.	Size	Length	Shape
h(E)	4	#5	18'-2"	—
h1(E)	5	#5	10'-8"	—
v*(E)	52	#5	1'-5"	—
v1*(E)	11	#5	6'-4"	□
Concrete Structures		Cu. Yd.		3.1
Reinforcement Bars, Epoxy Coated		Pound		270
Jacking Existing Superstructure		L. Sum		1
Anchor Bolts, 1/4"		Each		4

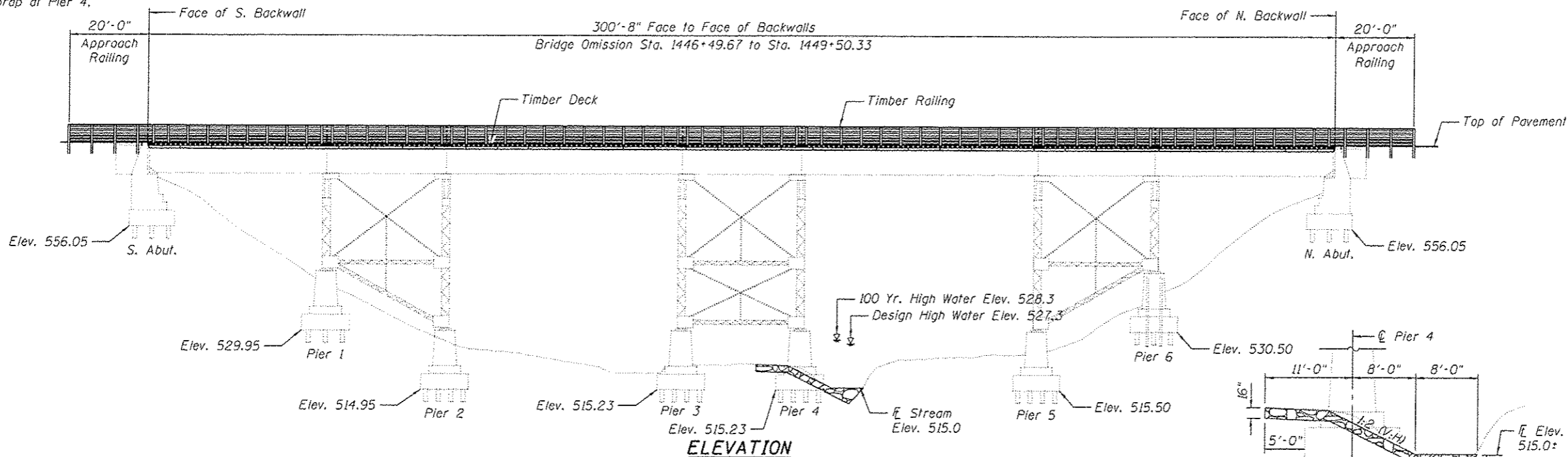
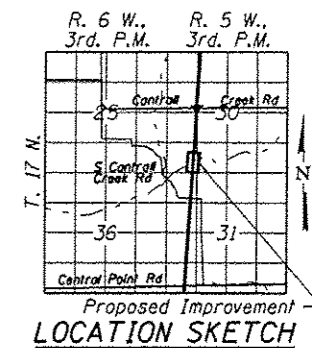
Note:  
 All bars designated with an asterisk (ie.: v\*) shall be epoxy grouted in accordance with Section 584 of the Standard Specifications. Minimum embedment = 9".  
 All reinforcement bars shall be epoxy coated.  
 Anchor Bolts shall be in accordance with section 521 of the Standard Specification.

BM #25 Cut "V" Top of Steel pipe, Station 1446+52 Rt., Elev. 580.02.

EXISTING STRUCTURE: CN&W Railroad SN1840 was originally built in 1920-1921. The existing structure is a seven span bridge consisting of built-up plate girders on steel-framed piers and closed concrete abutments. The steel piers rest on concrete pedestals that are supported by timber and concrete piles. The existing structure is 300'-8" back to back of abutments. The existing ties are 10'-0" out to out. The existing structure will be rehabilitated to carry pedestrian traffic.

The contractor will remove existing railroad ties and construct new timber deck and railing, install approach railing and place riprap at Pier 4.

No Salvage.



**DESIGN SPECIFICATIONS**

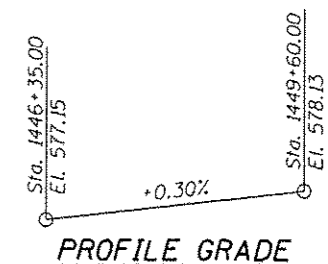
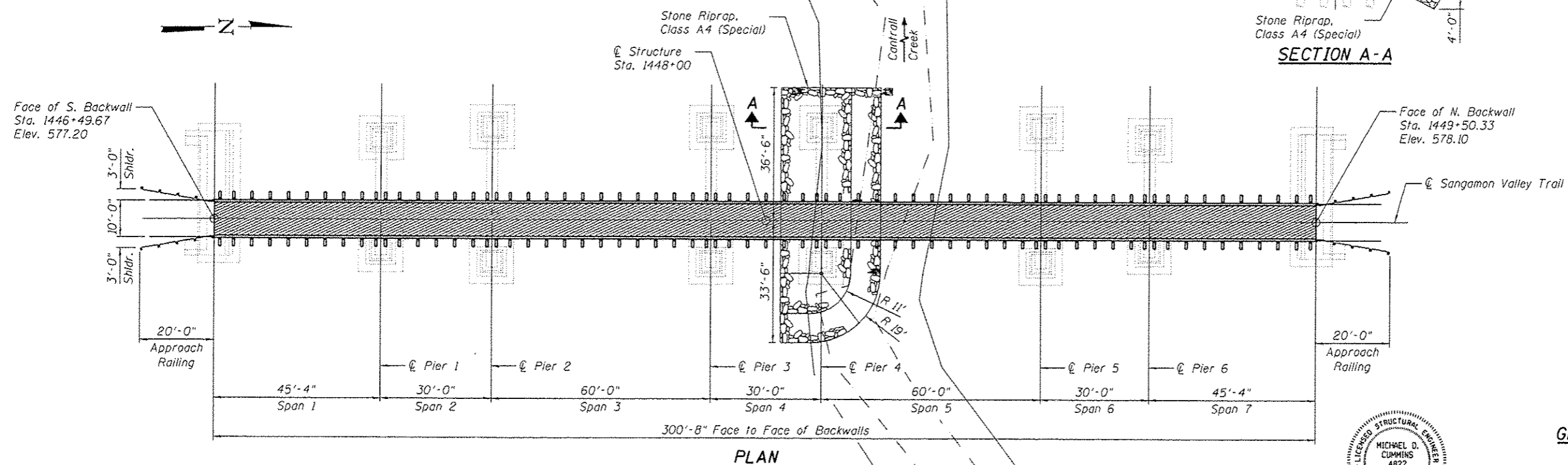
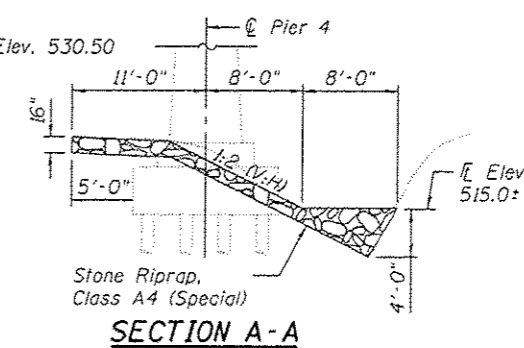
2002 AASHTO  
1997 AASHTO "Guide Specifications for Design for Pedestrian Bridges",  
**LOADING**  
Vehicle Load: H-5 (10,000lb Emergency Vehicle)  
Pedestrian Load: 85 psf Uniform Load

**SEISMIC DATA**

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

**DESIGN STRESSES**

**FIELD UNITS**  
f'c = 3,500 psi (Substructure)  
fy = 60,000 psi (Reinforcement)  
fb = 1,500 psi (Timber)  
fb = 1,850 psi (Timber Planking)



DESIGN SCOUR ELEVATIONS						
Pier No.	1	2	3	4	5	6
Elevation	529.95	514.95	515.23	515.23	515.50	530.50

Note: Design Scour Elevations are at bottom of pier footings. Abutments are located above high water and are not subject to scour.



Michael D. Cummins  
ILLINOIS STRUCTURAL NO. 4822  
(Expires 11/30/16)

**GENERAL PLAN & ELEVATION**  
**SANGAMON VALLEY TRAIL**  
**OVER CANTRALL CREEK**  
**SECTION 10-00173-02-BT**  
**SANGAMON COUNTY**  
**STATION 1448+00**  
**SVT BRIDGE NO. 18**  
**STRUCTURE NO. 084-8016**



JOB	• 2278	DESIGNED -	RK	REVISED -	
FILE	• 2278.Cantrall.GPE.dgn	CHECKED -	AAN	REVISED -	
DATE	• 3/24/2016	DRAWN -	SJS	REVISED -	
		CHECKED -	MDC	REVISED -	

**SANGAMON VALLEY TRAIL**

**GENERAL PLAN & ELEVATION**  
**STRUCTURE NO. 084-8016**

SHEET NO. 1 OF 8 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	10-00173-02-BT	SANGAMON	157	91
				CONTRACT NO. 93687
ILLINOIS FED. AID PROJECT				

**GENERAL NOTES**

1. Fasteners shall be AASHTO M164 Type 3. Bolts  $\frac{3}{4}$ "  $\phi$ , holes  $\frac{5}{16}$ "  $\phi$ , unless otherwise noted.
2. All structural steel shall be AASHTO M 270 Grade 50W.
3. No field welding is permitted except as specified in the contract documents.
4. All Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60. See Special Provisions.
5. Reinforcement bars shall be epoxy coated.
6. 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.
7. The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.
8. Unless noted otherwise, exposed concrete edges shall have a  $\frac{3}{4}$ " chamfer.
9. The Contractor shall provide and install all necessary timber shims to construct a level deck surface.
10. Timber deck planks shall be placed with the grain such that cupping will not cause water to sit on a plank.
11. The Contractor shall field verify all conditions at the site prior to the start of construction.
12. All structural timber shall be treated to conform to Section 507 of the Standard Specifications.
13. 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.
14. The Contractor shall remove the existing debris from all piers and abutments. The cost of this work shall be included in the cost for "Containment and Disposal of Lead Paint Cleaning Residues, Location 2."
15. 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.
16. 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.
17. Approximate surface area to be cleaned according to the special provision for "Cleaning Steel Bridge, Location 2" = 1,500 sq. ft.
18. All lumber dimensions given are nominal dimensions. The minimum surfaced areas of timbers shall be as follows:

NOMINAL SIZE	DRESSED
2 x 6	1 $\frac{1}{2}$ " x 5 $\frac{1}{2}$ "
2 x 8	1 $\frac{1}{2}$ " x 7 $\frac{1}{4}$ "
2 x 12	1 $\frac{1}{2}$ " x 11 $\frac{1}{4}$ "
3 x 12	2 $\frac{1}{2}$ " x 11 $\frac{1}{4}$ "
6 x 6	5 $\frac{1}{2}$ " x 5 $\frac{1}{2}$ "
8 x 8	7 $\frac{1}{2}$ " x 7 $\frac{1}{2}$ "

**INDEX OF SHEETS**

1. General Plan & Elevation
2. General Data
3. Typical Cross Section
4. Timber Decking Details
- 5.-6. Timber Framing & Rail Details
7. Timber Details
8. Abutment Details

**TOTAL BILL OF MATERIAL**

ITEM	UNIT	SUPER	SUB	TOTAL
Concrete Structures	Cu. Yd		1.4	1.4
Structural Steel Repair	Pound	1,500		1,500
Reinforcement Bars, Epoxy Coated	Pound	131		131
Removal of Existing Timber Materials, Location 2	L. Sum	1		1
Cleaning Steel Bridge, Location 2	L. Sum	1		1
Containment and Disposal of Lead Paint Cleaning Residues, Location 2	L. Sum	1		1
Timber Deck System	Sq. Ft.	3,082		3,082
Timber Bridge Railings	Foot	601.3		601.3
Stone Riprap, Class A4 (Special)	Ton		150	150

\* See Special Provisions



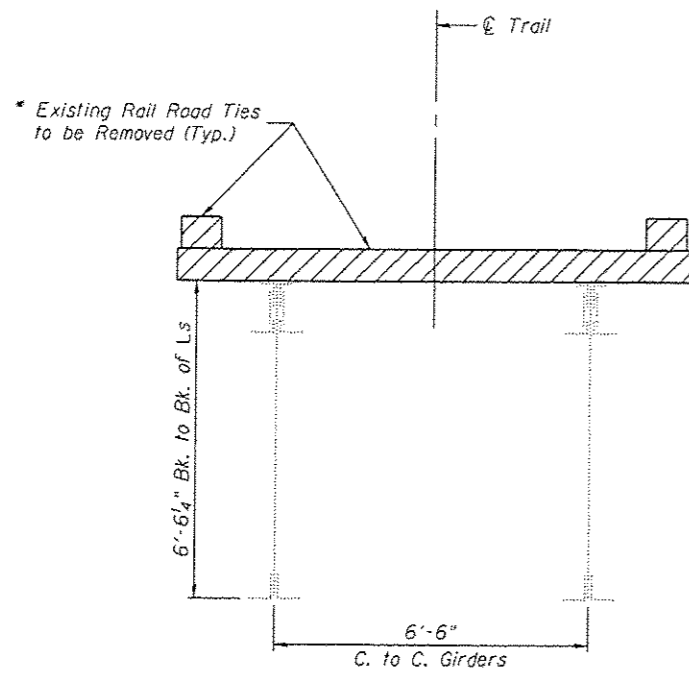
Cummins Engineering Corporation	JOB - 2278	DESIGNED - RK	REVISED -
FILE - 2278_Contr-011_Data.dgn	CHECKED - AAN	REVISED -	
DATE - 3/28/2016	DRAWN - SJS	REVISED -	
	CHECKED - MDC	REVISED -	

**SANGAMON VALLEY TRAIL**

**GENERAL DATA  
STRUCTURE NO. 084-8016**

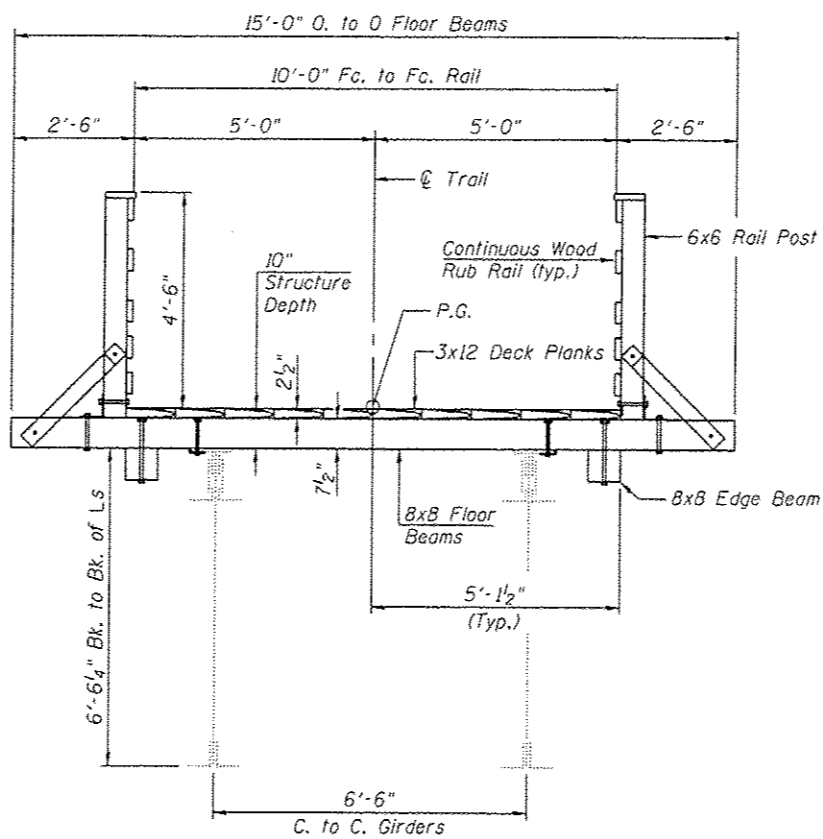
SHEET NO. 2 OF 8 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 93687			ILLINOIS FED. AID PROJECT	

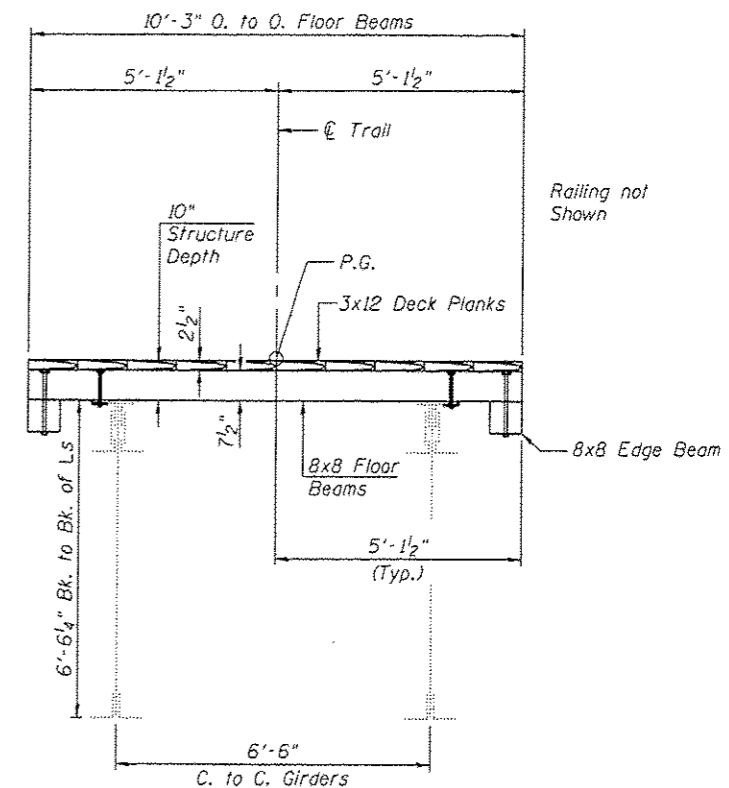


**EXISTING CROSS SECTION**

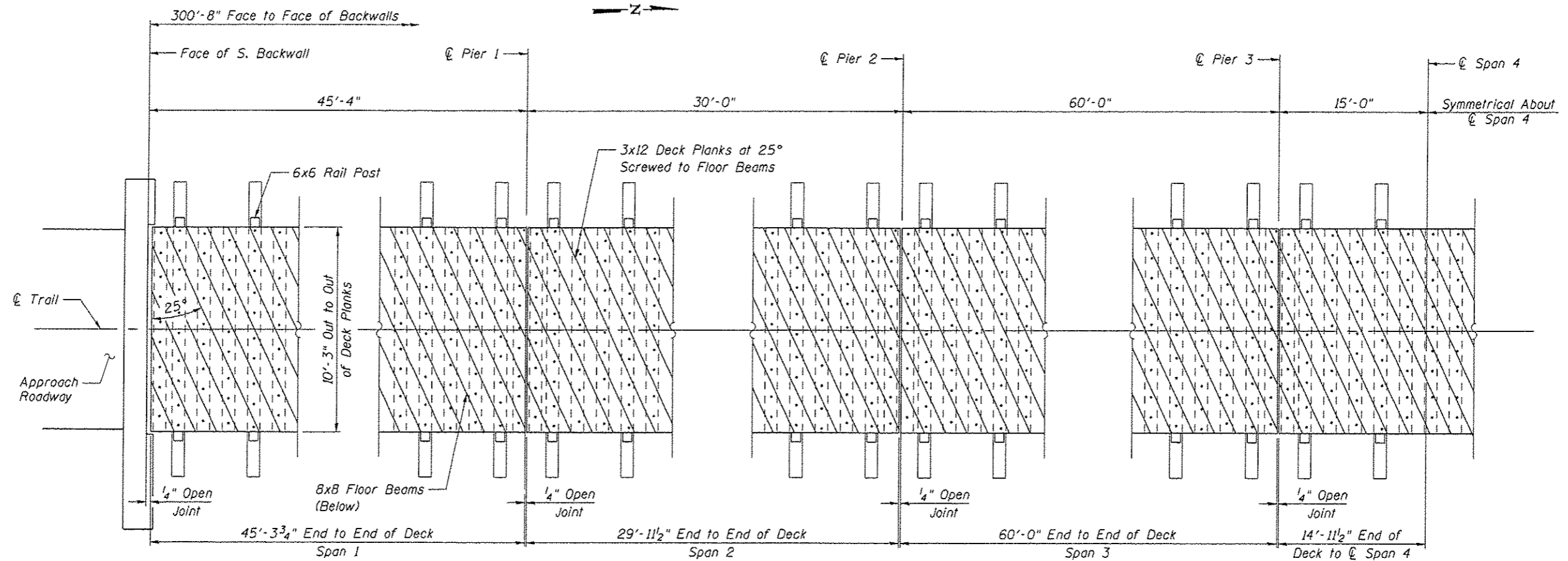
\* Cost included with "Removal of Existing Timber Materials, Location 2"



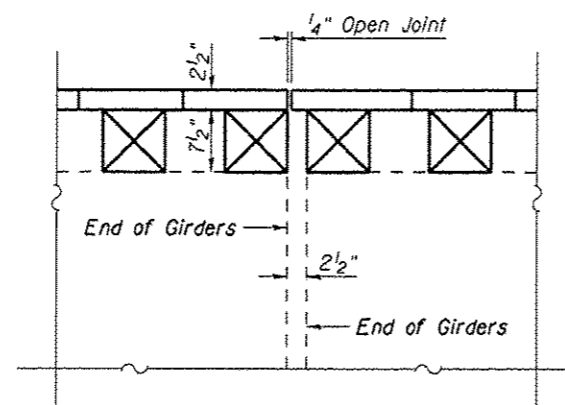
**PROPOSED CROSS SECTION AT RAIL POST**



**PROPOSED CROSS SECTION BETWEEN RAIL POSTS**

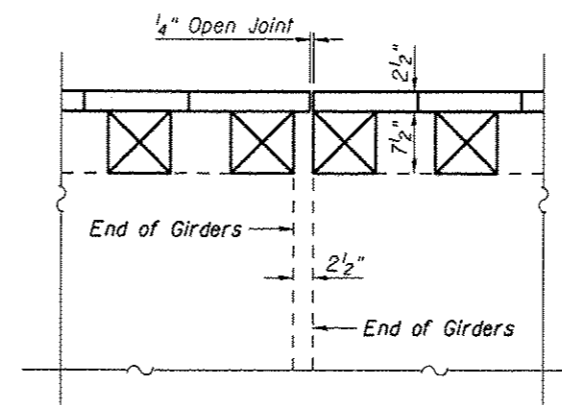


TIMBER DECKING PLAN



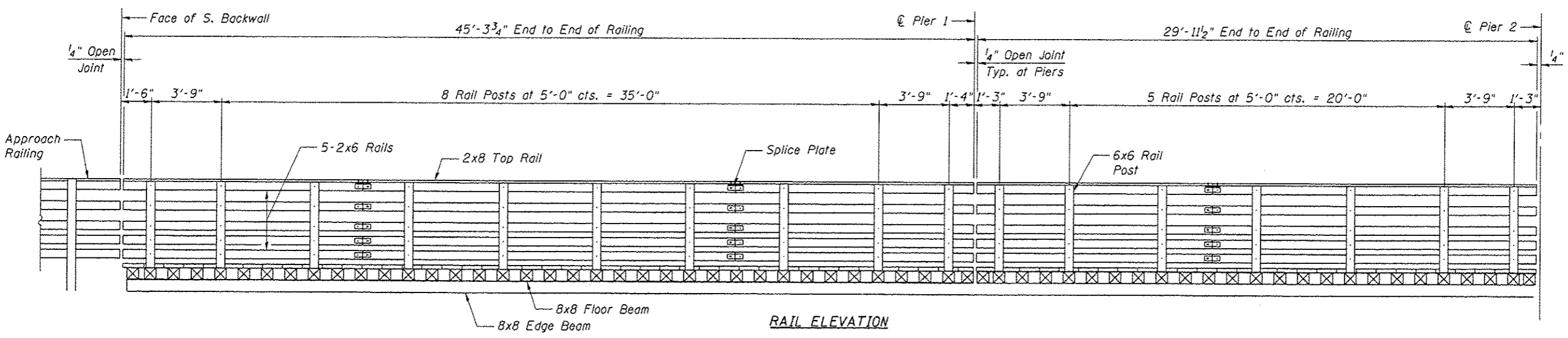
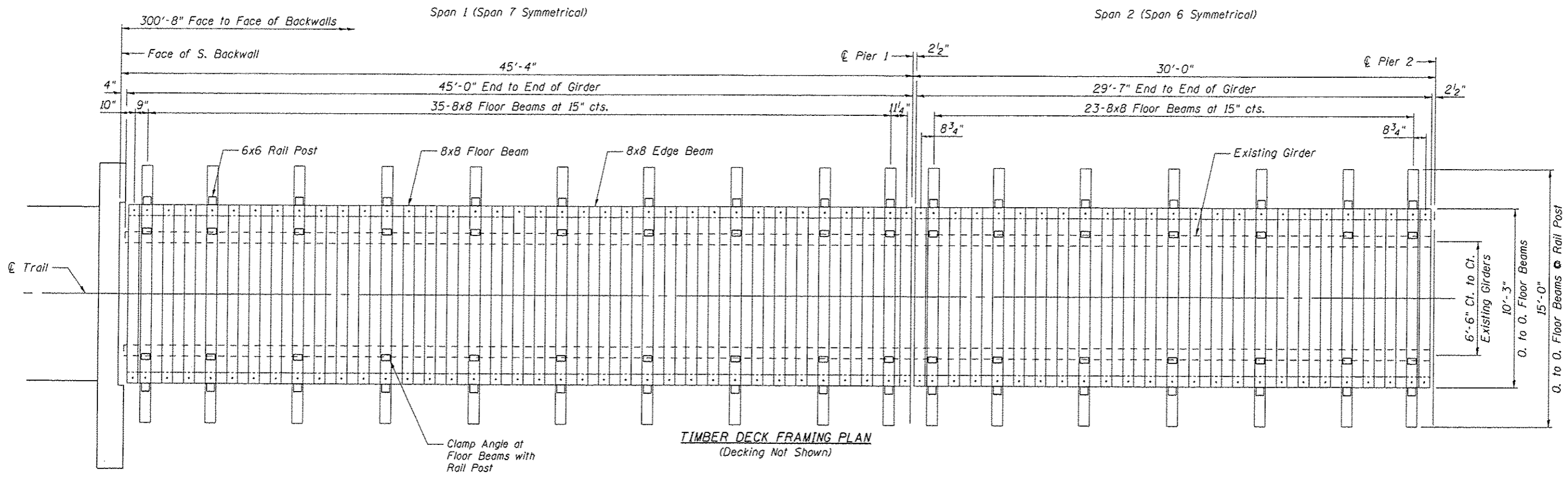
JOINT DETAIL

Between Spans 1 & 2, Spans 3 & 4, & Spans 5 & 6



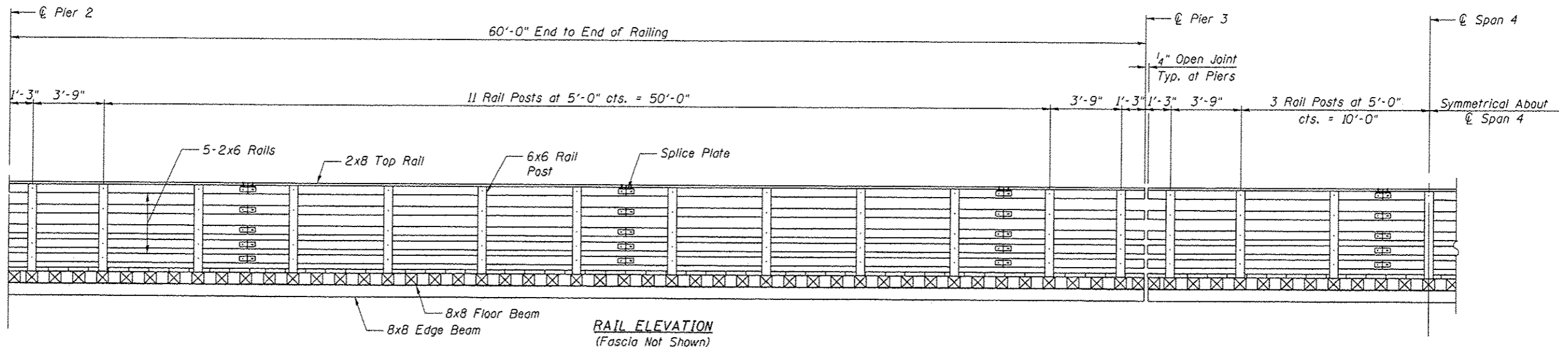
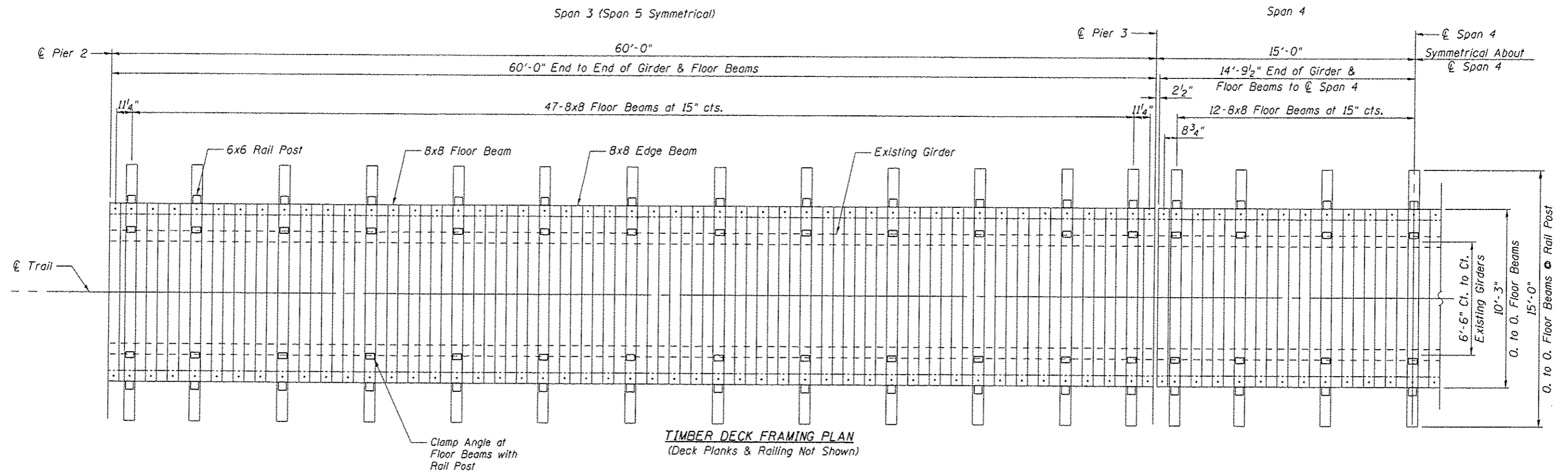
JOINT DETAIL

Between Spans 2 & 3, Spans 4 & 5 & Spans 6 & 7

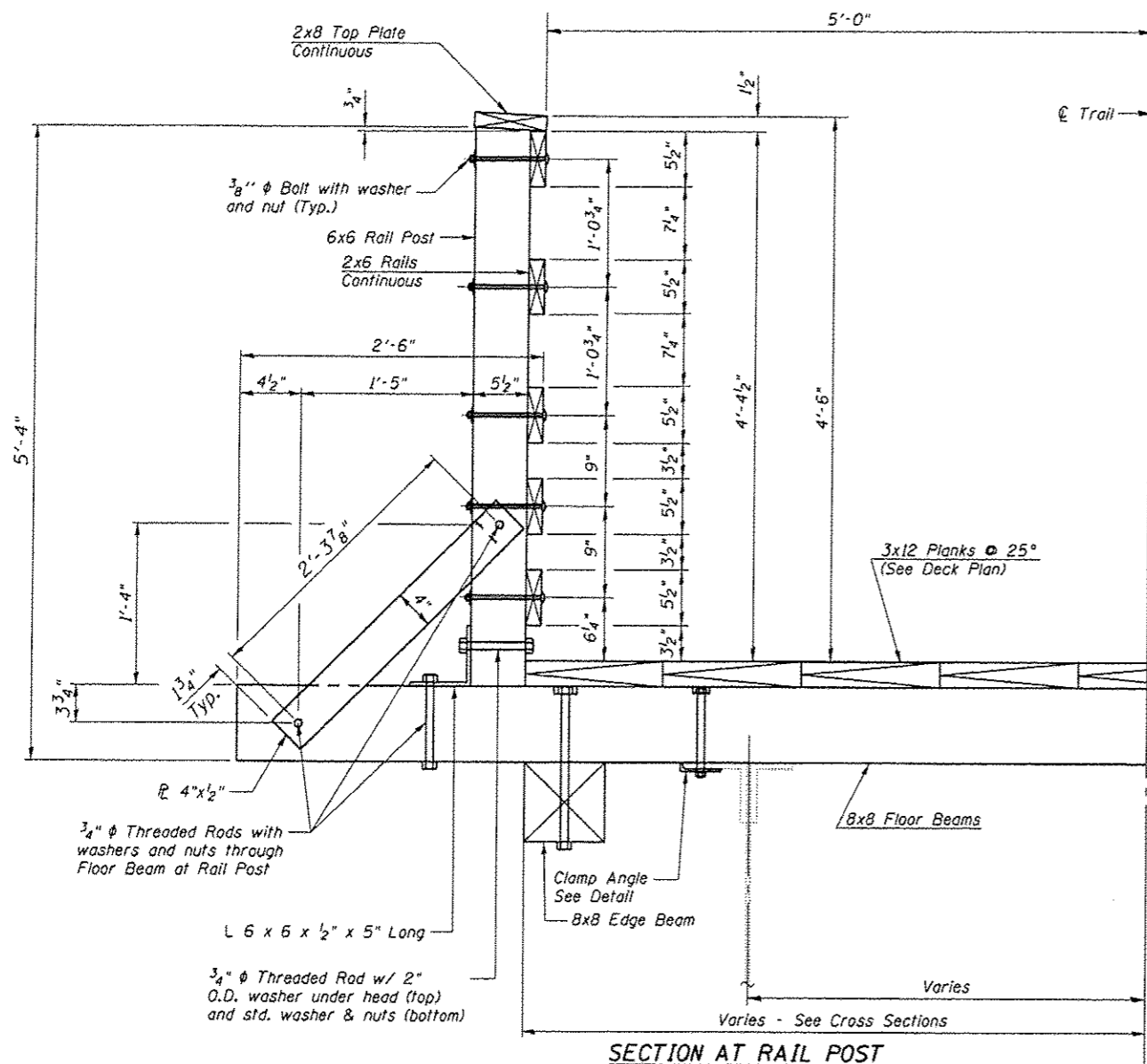


\* Provide 8x8 Edge Beam in minimum 10' Lengths.  
Locate butt joints between floor beams.

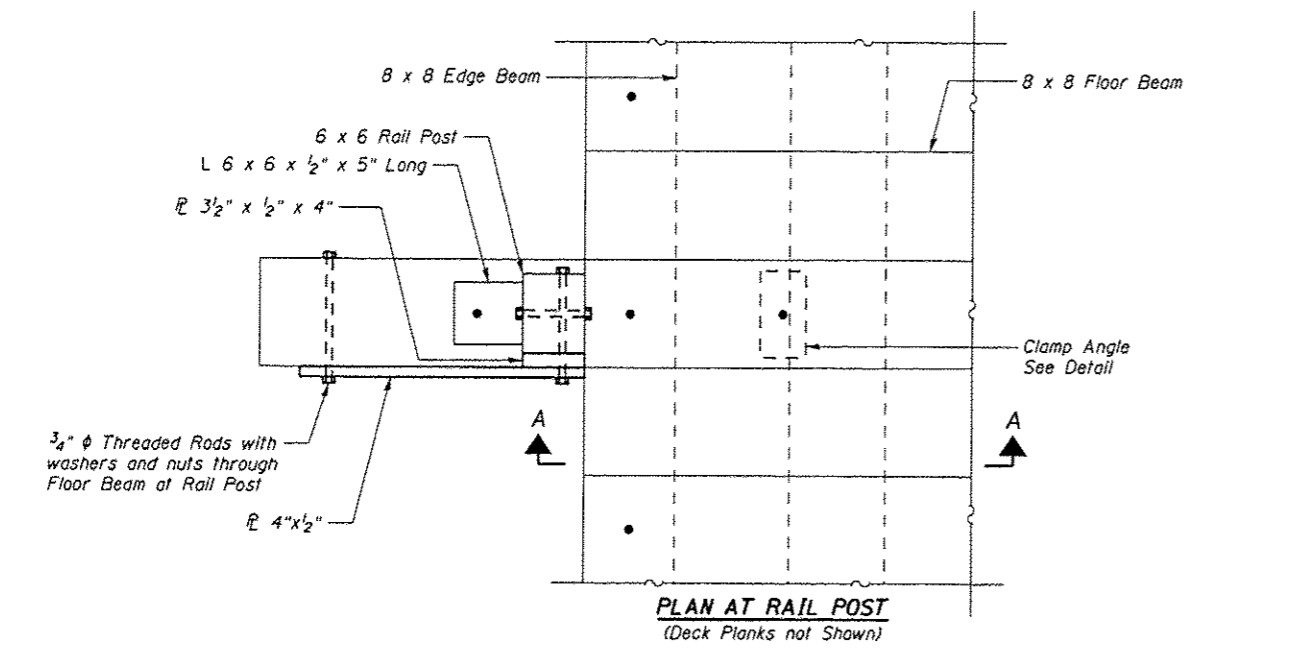
<b>CEC</b> <small>Civil and Structural Engineering</small>	Cummins Engineering Corporation	JOB • 2278	DESIGNED - RK	REVISED -	<b>SANGAMON VALLEY TRAIL</b>	<b>TIMBER FRAMING &amp; RAIL DETAILS</b> <b>STRUCTURE NO. 084-8016</b>	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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		DATE • 3/25/2016	DRAWN - SJS	REVISED -			CONTRACT NO. 93687				
			CHECKED - MOC	REVISED -			ILLINOIS FED. AID PROJECT				
SHEET NO. 5 OF 8 SHEETS											



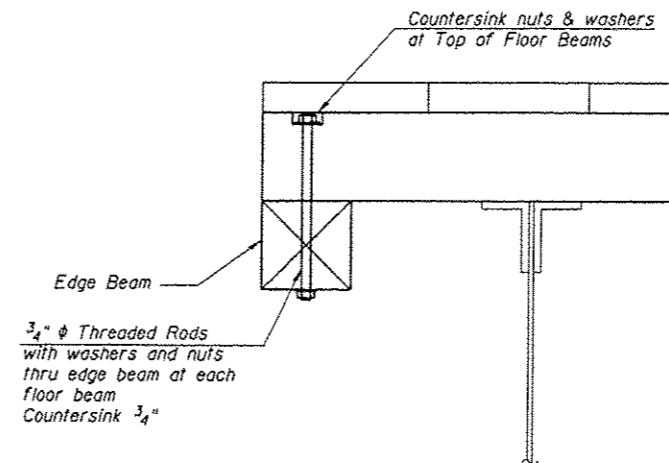




**SECTION AT RAIL POST**

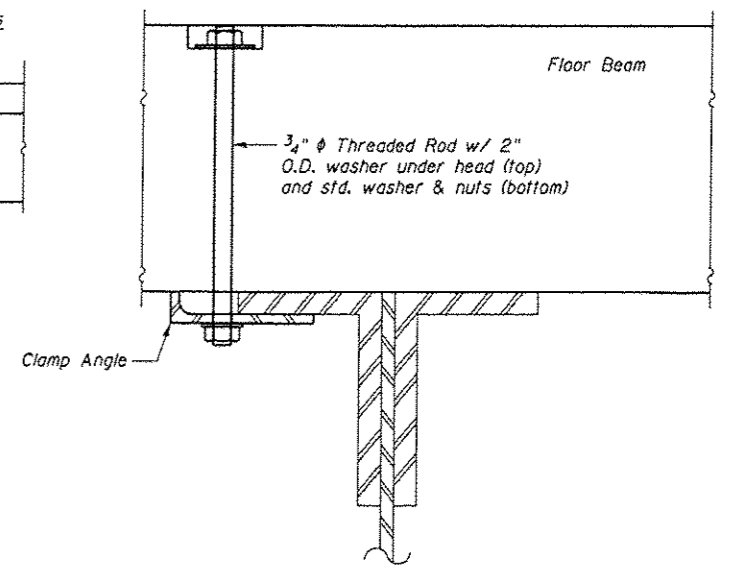


**PLAN AT RAIL POST**  
(Deck Planks not Shown)



**SECTION A-A**  
(Between Rail Posts)

Note: See Cross Sections and Framing Plans for locations of Edge Beams and Clamp Angles.

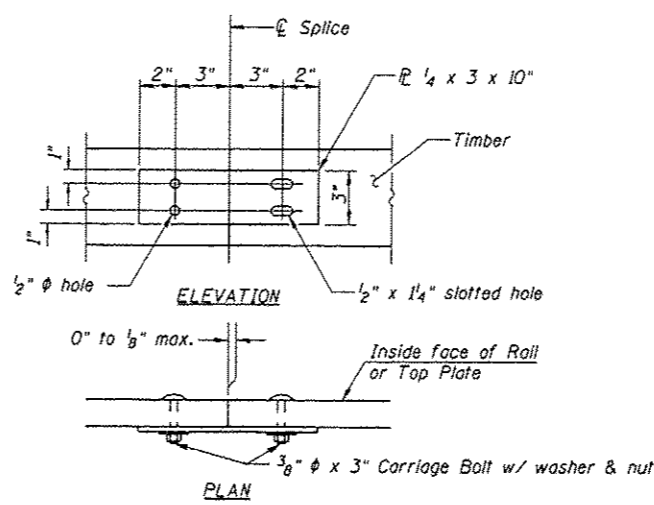
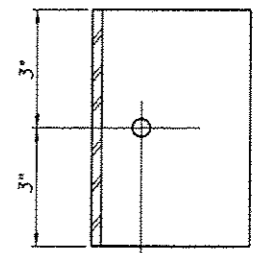


**CLAMP ANGLE DETAIL**

(134 Required - See Timber Framing Plans for location)

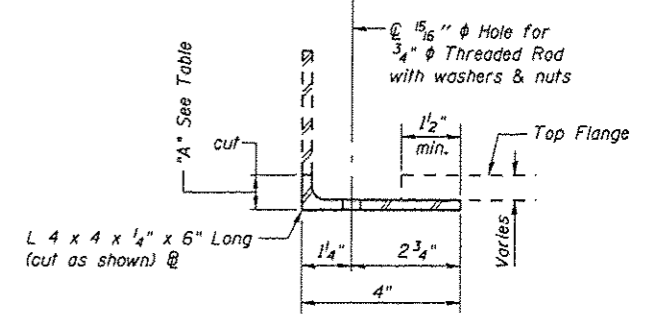
**TABLE FOR CLAMP ANGLE DETAIL**

Span	No. of Angles	Flange Thickness	"A"
1	20	2"	3/4"
2	14	2"	3/4"
3	26	2"	3/4"
4	14	2"	3/4"
5	26	2"	3/4"
6	14	2"	3/4"
7	20	2"	3/4"

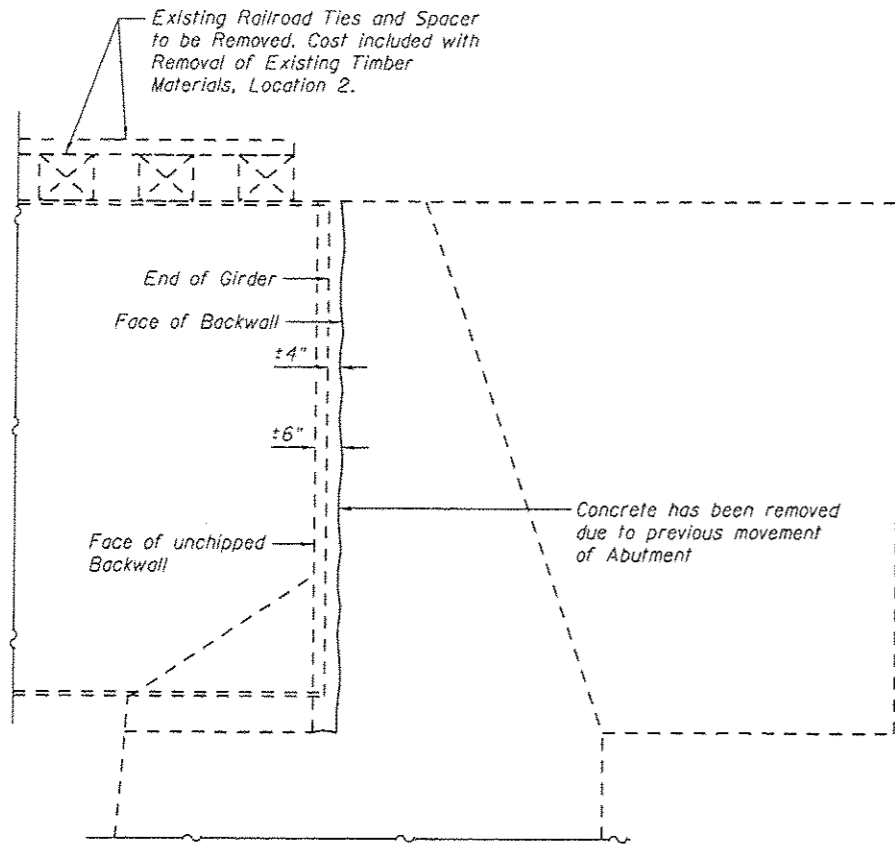


**RAIL SPLICE DETAIL**

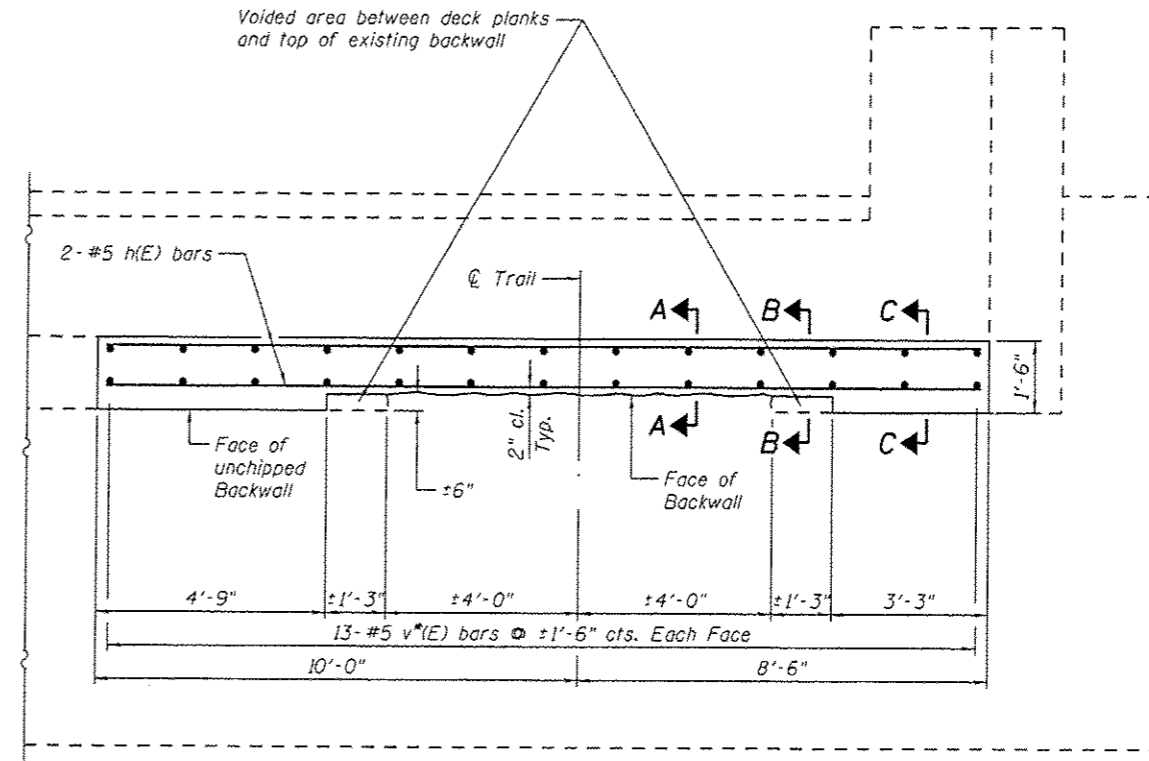
Note: Minimize splices in rails and top plate. Where possible span 3 rail posts.



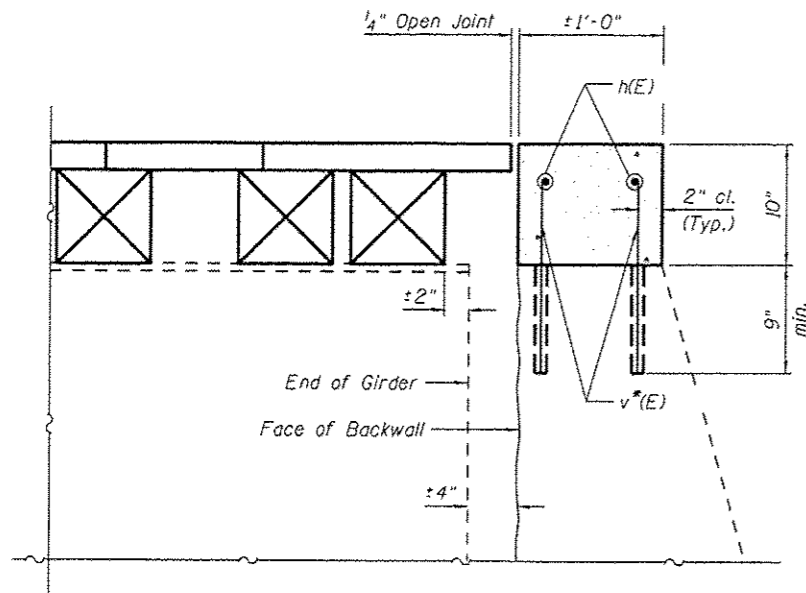
**CLAMP ANGLE**



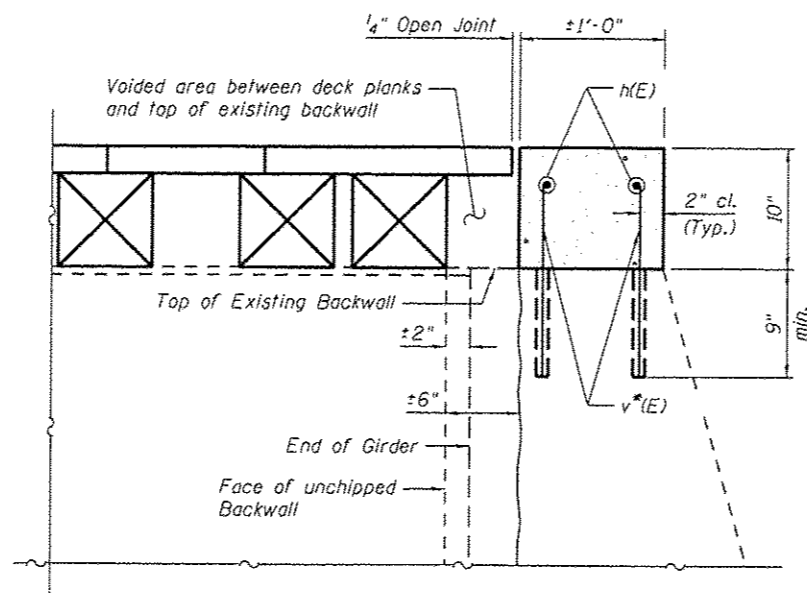
**SECTION THRU EXISTING ABUTMENT**



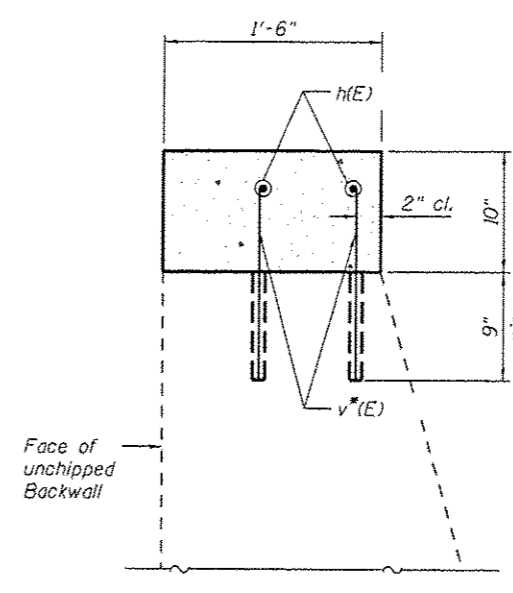
**PLAN AT ABUTMENTS**  
(showing North Abut., South Abut. similar)



**SECTION A-A**



**SECTION B-B**



**SECTION C-C**

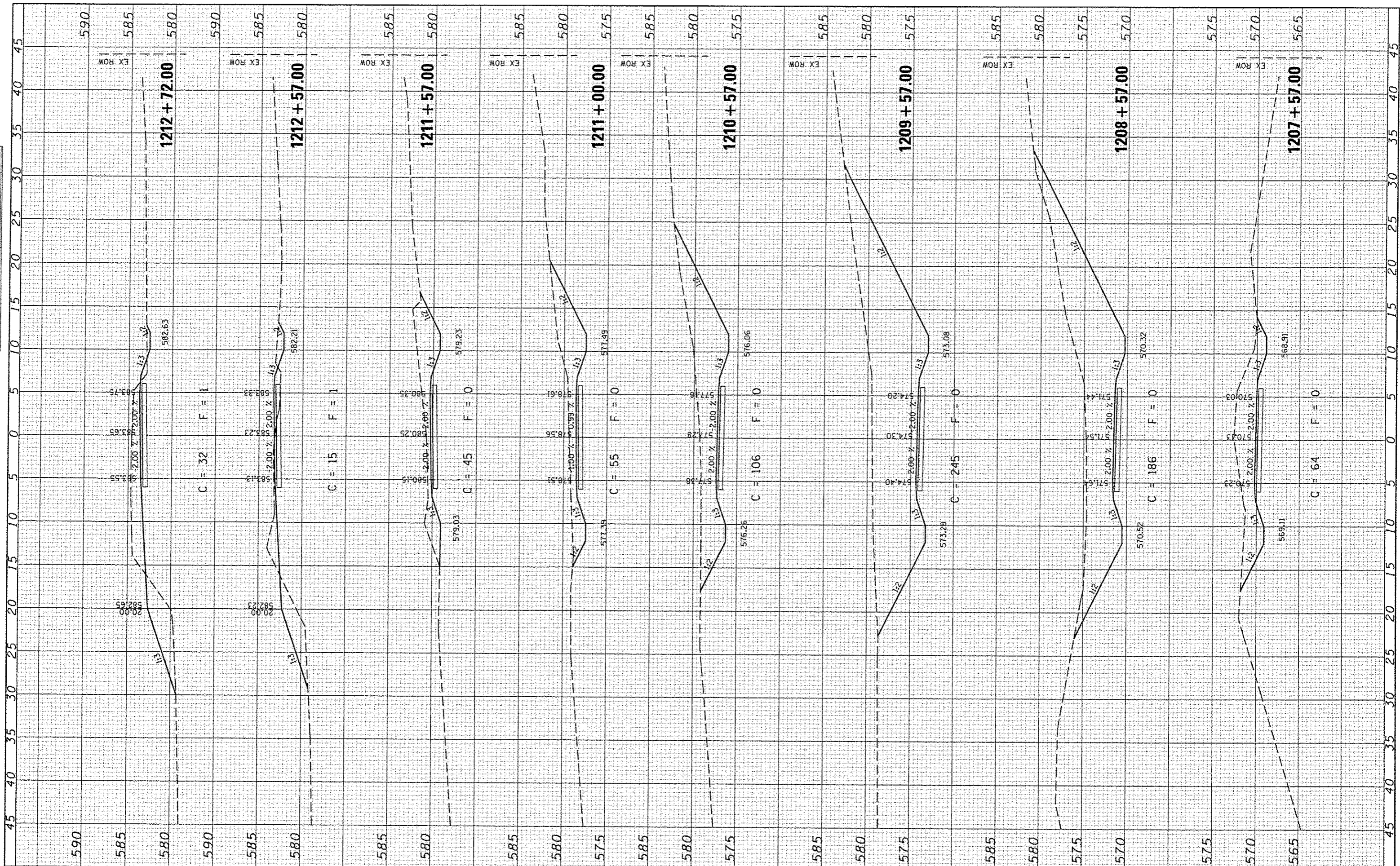
**BILL OF MATERIAL  
BOTH ABUTMENTS**

Bar	No.	Size	Length	Shape
h(E)	2	#5	18'-2"	—
v(E) *	26	#5	1'-3"	—
Concrete Structures			Cu. Yd.	1.4
Reinforcement Bars, Epoxy Coated			Pound	153

Note:  
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.

FINAL SURVEY	DATE
SURVEYED	BT
PLOTTED	
TEMPERATURE	
AREAS CHECKED	
NO.	

ORIGINAL SURVEY	DATE
SURVEYED	BT
PLOTTED	
TEMPERATURE	
AREAS CHECKED	
NO.	



**CEC** Cummins Engineering Corporation  
Civil and Structural Engineering

JOB = 2278  
FILE NAME = 2278-sh1-wsec.dgn  
PLOT SCALE = 10.0000' / IN.  
PLOT DATE = 3/24/2016

DESIGNED - NAK  
DRAWN - SJS  
CHECKED - NAK  
DATE - 1/13/2016

REVISED -  
REVISED -  
REVISED -  
REVISED -

**SANGAMON VALLEY TRAIL**

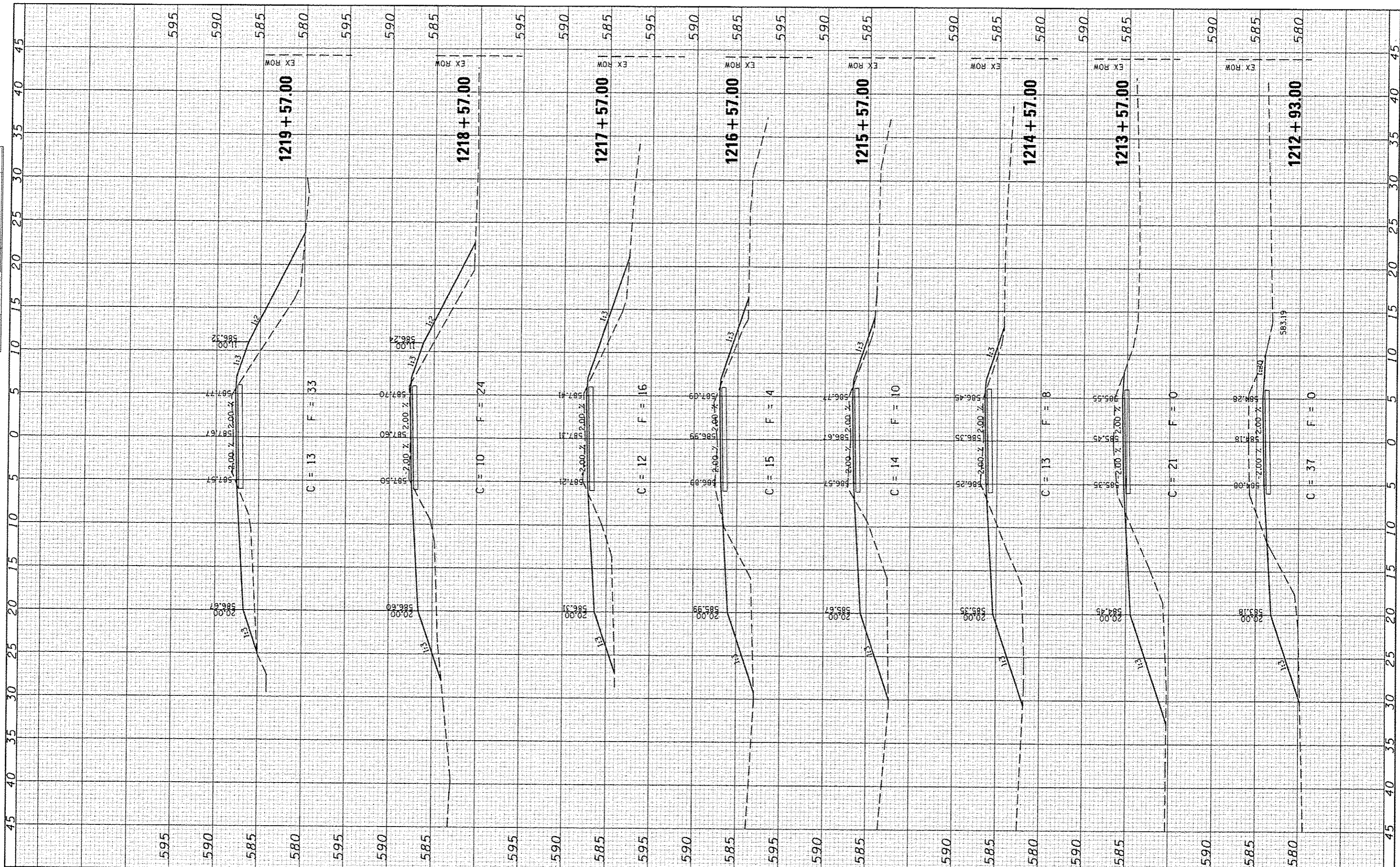
**CROSS SECTIONS**

SCALE: SHEET NO. OF SHEETS STA. 1207+57.00 TO STA. 1212+72.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	10-00173-02-BT	SANGAMON	157	99
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 93687	

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

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



JOB = 227B  
 FILE NAME = 227B-shi-vano.dgn  
 PLOT SCALE = 10.0000' / IN.  
 PLOT DATE = 3/24/2016

DESIGNED - NAK  
 DRAWN - SJS  
 CHECKED - NAK  
 DATE - 1/13/2016

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**SANGAMON VALLEY TRAIL**

**CROSS SECTIONS**

SCALE: SHEET NO. OF SHEETS STA. 1212+93.00 TO STA. 1219+57.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	10-00173-02-BT	SANGAMON	157	100
CONTRACT NO. 93687				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				