

F.A. RTE.	SECTION	CITY	TOTAL SHEETS	SHEET NO.
*	***	SPRINGFIELD	34	1
FED. ROAD DIST. NO. 7			ILLINOIS	FED. AID PROJECT **
*** N&W RAILROAD BIKE TRAIL				
*** 99-P4001-00-BT				
** TE-00D6(070)				

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**  
**DIVISION OF HIGHWAYS**  
**SURFACE TRANSPORTATION / ENHANCEMENT PROGRAM**

# SPRINGFIELD PARK DISTRICT

## BUNN PARK TO

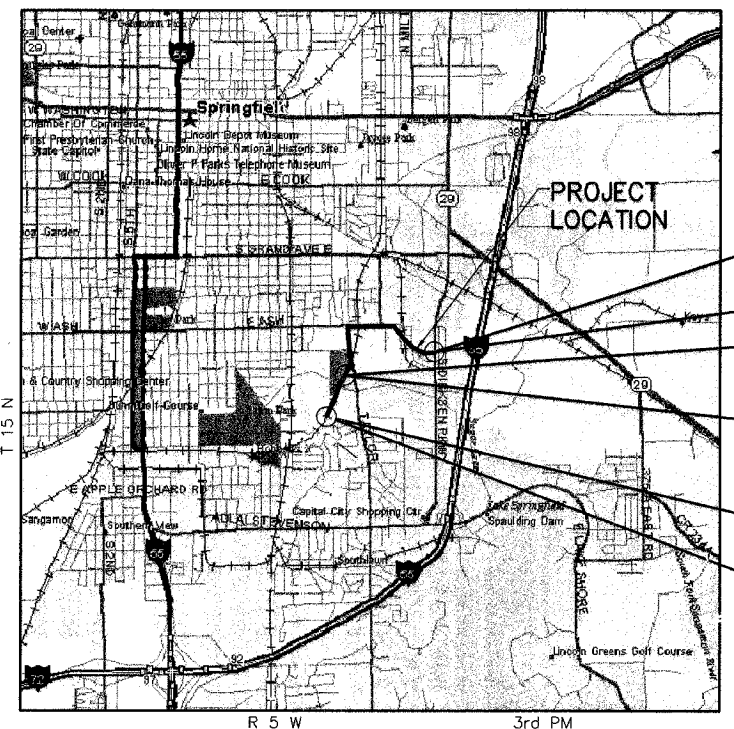
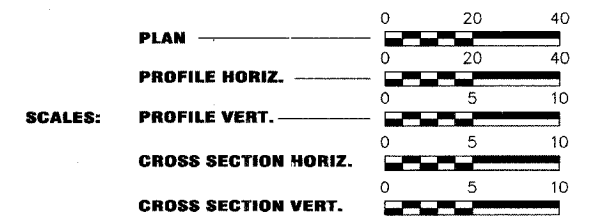
# LOST BRIDGE TRAIL (PHASE 1)

**INDEX OF SHEETS**

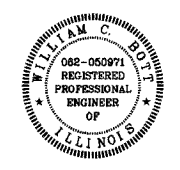
SHEET NO.	DESCRIPTION
1	COVER SHEET
2-3	SUMMARY OF QUANTITIES & SCHEDULE OF QUANTITIES SHEETS
4	TYPICAL SECTIONS SHEET
5-21	PLAN AND PROFILE SHEETS
22	DIRKSEN INTERSECTION DETAIL
23-24	DETAIL SHEETS
25-26	SIGNAL PLANS
27-30	BRIDGE PLAN SHEETS
31-34	CROSS SECTIONS

- HIGHWAY STANDARDS**
- 000001-04 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
  - 280001-02 TEMPORARY EROSION CONTROL SYSTEMS
  - 424001-04 CURB RAMPS FOR SIDEWALKS
  - 542301 PRECAST REINFORCED END SECTIONS
  - 606001-02 CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
  - 606301-02 PC CONCRETE ISLAND AND MEDIANS
  - 664001-01 CHAIN LINK FENCE
  - 701001-01 OFF-ROAD OPERATIONS, 2-L, 2-W, 4.5 m (15') MIN. AWAY, FOR SPEED > 45
  - 701006-02 OFF-ROAD OPERATIONS, 2-L, 2-W, 4.5 m (15') TO PAVEMENT EDGE FOR SPEEDS > 45 MPH
  - 701606-04 URBAN LANE CLOSURE MULTILANE 2W WITH MOUNTABLE MEDIAN
  - 701701-04 URBAN LANE CLOSURE MULTILANE INTERSECTION
  - 701801-03 LANE CLOSURE, MULTILANE 1W OR 2W, CROSSWALK OR SIDEWALK CLOSURE, FOR SPEEDS < 45 MPH
  - 702001-06 TRAFFIC CONTROL DEVICES
  - 720001 SIGN PANEL MOUNTING DETAILS
  - 720006 SIGN PANEL ERECTION DETAILS
  - 780001-01 TYPICAL PAVEMENT MARKINGS
  - 857001 STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
  - 878001-04 CONCRETE FOUNDATION DETAILS
  - 880006 TRAFFIC SIGNAL MOUNTING DETAILS

**SECTION 99-P4001-00-BT**  
**PROJECT TE-00D6(070)**  
**JOB C-96-205-03**  
**SANGAMON COUNTY**



LENGTH ALONG OLD N&W RAILROAD = 2333.23 FT. = 0.442 MI.  
 LENGTH ALONG TAYLOR AVENUE = 1486.01 FT. = 0.281 MI.  
 LENGTH ALONG ASH STREET = 4000.14 FT. = 0.758 MI.  
 TOTAL LENGTH OF PROJECT = 7819.38 FT. = 1.481 MI.



APPROVED	<i>[Signature]</i>	1-25, 20 06
SPRINGFIELD PARK DISTRICT		
PASSED	<i>[Signature]</i>	FEB 6 20 06
DISTRICT SIX ENGINEER OF LOCAL ROADS & STREETS		
PASSED	<i>[Signature]</i>	FEB 6 20 06
DISTRICT SIX ENGINEER CONSTRUCTION		
Releasing For Bid Based on Limited Review	<i>[Signature]</i>	FEB 6 20 06
DEPUTY DIRECTOR OF HIGHWAYS, THE REGION FOUR ENGINEER		
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		

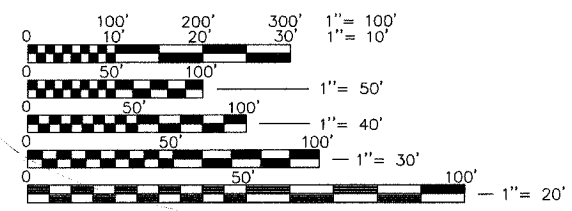
**UTILITIES**

**CENTRAL ILLINOIS LIGHT CO.**  
(ELECTRIC & GAS)  
322 EAST CAPITOL  
SPRINGFIELD, IL 62701  
(217) 753-5181

**CITY, WATER, LIGHT, & POWER**  
(ELECTRIC)  
1008 EAST MILLER  
SPRINGFIELD, IL 62702  
(217) 789-2080

**CITY, WATER, LIGHT, & POWER**  
(WATER)  
401 NORTH 11TH STREET  
SPRINGFIELD, IL 62702  
(217) 789-2022

**AMERITECH**  
(UNDERGROUND TELEPHONE)  
225 W. RANDOLPH  
CHICAGO, IL  
(800) 257-0902



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

CONTRACT NO. 93404

APPROVED: *[Signature]* DATE: 1/25/06  
 EXP. 11/30/07

REVISION	DATE	BY

**PLANS PREPARED BY:**

**GREENE & BRADFORD, INC.**  
CONSULTING ENGINEERS  
5501 CONSTITUTION DRIVE  
SPRINGFIELD, ILLINOIS 62709  
(217) 792-8844, (217) 793-8227 FAX

COMPUTER FILE NO: 99391COV - 10  
PROJECT: 99-391

APPROVED BY: \_\_\_\_\_ CHECKED BY: \_\_\_\_\_ DRAWN BY: \_\_\_\_\_

98404

F.A. RTE.	SECTION	CITY	TOTAL SHEETS	SHEET NO.
*	***	SPRINGFIELD	34	2
STA.		TO STA.		
		ILLINOIS FED. AID PROJECT		**
* N&W RAILROAD BIKE TRAIL *** 99-P4001-00-BT ** TE-0006(070)				

SUMMARY OF QUANTITIES

PAY CODE	ITEM	UNIT	TOTAL QUANTITY	PARTICIPATING ITEMS	NON PARTICIPATING ITEMS
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	100	100	
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	18	18	
20200100	EARTH EXCAVATION	CU. YD.	3685	3685	
20200910	GRADING AND SHAPING ROADWAY	STA.	47.2	45.1	2.1
25001000	SEEDING, CLASS 2 (SPECIAL)	ACRE	2.7	2.7	
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	270	270	
28000300	TEMPORARY DITCH CHECKS	EACH	9	9	
28000400	PERIMETER EROSION BARRIER	FOOT	1332	1332	
28100210	STONE RIPRAP, CLASS A5 (SPECIAL)	TON	915	915	
28200200	FILTER FABRIC	SQ. YD.	280	280	
35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ. YD.	4438	4140	298
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	1149	1076	73
42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ. FT.	48,580	48,580	
42400800	DETECTABLE WARNINGS	SQ. FT.	340	320	20
44000100	PAVEMENT REMOVAL	SQ. YD.	439	439	
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	157	157	
44000600	SIDEWALK REMOVAL	SQ. FT.	3079	3079	
44001430	BITUMINOUS SHOULDER REMOVAL	SQ. YD.	11	11	
44003800	MEDIAN SURFACE REMOVAL	SQ. FT.	226	226	
48101800	AGGREGATE SHOULDERS (SPECIAL)	SQ. YD.	1323	1235	88
50200100	STRUCTURE EXCAVATION	CU. YD.	37	37	
50300225	CONCRETE STRUCTURES	CU. YD.	9.4	9.4	
50800105	REINFORCEMENT BARS	POUND	2010	2010	
51201400	FURNISHING STEEL PILES HP 10 X 42	FOOT	130	130	
51202700	DRIVING STEEL PILES	FOOT	130	130	
51203400	TEST PILE STEEL HP 10 X 42	EACH	1	1	
542A0217	PIPE CULVERTS, CLASS A, TYPE 1 12"	FOOT	24		24
54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	2		2
60600605	CONCRETE CURB, TYPE B	FOOT	120	120	
60604400	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18	FOOT	99	99	
60608600	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.06	FOOT	33	33	
60610400	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.24	FOOT	39	39	
60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SQ. FT.	306	306	
63400305	GUARD POSTS, SPECIAL	EACH	2	2	
66400205	CHAIN LINK FENCE, 5'	FOOT	800	800	
67100100	MOBILIZATION	L. SUM	1	1	
70103700	TRAFFIC CONTROL COMPLETE	L. SUM	1	1	
72000100	SIGN PANEL - TYPE 1	SQ. FT.	105	103	2
72000200	SIGN PANEL - TYPE 2	SQ. FT.	27.0	27.0	
72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	412	403	9
78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	5090	5090	
78001130	PAINT PAVEMENT MARKING - LINE 6"	FOOT	1048	1048	
78001150	PAINT PAVEMENT MARKING - LINE 12"	FOOT	82	72	10
78001180	PAINT PAVEMENT MARKING - LINE 24"	FOOT	91	91	
78300100	PAVEMENT MARKING REMOVAL	SQ. FT.	124	124	
81012500	CONDUIT IN TRENCH, 1-1/2" DIA., PVC	FOOT	27	27	
81500200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	27	27	
87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	240	240	
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	342	342	
87600200	PEDESTRIAN PUSH-BUTTON POST, TYPE II	EACH	2	2	
87900200	DRILL EXISTING HANDHOLE	EACH	2	2	
88800100	PEDESTRIAN PUSH-BUTTON	EACH	2	2	
89502200	MODIFY EXISTING CONTROLLER	EACH	1	1	
XX000569	TREE REMOVAL AND TRIMMING	STA.	28.2	28.2	
X4066490	BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE IL 9.5 L (LOW ESAL)	TON	434	405	29
X8810495	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LEO, 2-FACE, BRACKET MOUNTED	EACH	2	2	
X8950200	REBUILD EXISTING HANDHOLE	EACH	1	1	
Z0013798	CONSTRUCTION LAYOUT	L. SUM	1	1	
XX001131	FURNISHING AND ERECTING PREFABRICATED BRIDGE SUPERSTRUCTURE	L. SUM	1	1	
XX004449	GUARD POSTS, REMOVABLE, SPECIAL	EACH	1	1	

\* SEE SPECIAL PROVISIONS Δ SPECIALTY ITEMS CONSTRUCTION TYPE CODE: Y047

PAVEMENT SCHEDULE

LOCATION	AGGREGATE BASE COURSE TYPE B 4" SQ. YD.	AGGREGATE SHOULDERS (SPECIAL) SQ. YD.	BITUMINOUS MATERIALS (PRIME COAT) GALLON	BITUMINOUS CONCRETE SURF. COURSE TON	PORTLAND CEMENT CONCRETE SIDEWALK 4" SQ. FT.	PAVEMENT REMOVAL (SQ. YD.)
STA. 31+00.00 TO STA. 36+00.00	878.4	222.4	221	83		
STA. 36+00.00 TO STA. 41+00.00	703.9	222.3	170	64		
STA. 41+00.00 TO STA. 44+65.00	513.9	162.3	124	47		
STA. 45+35.00 TO STA. 46+00.00	91.6	28.9	22	9		
STA. 46+00.00 TO STA. 51+00.00	703.9	222.3	170	64		
STA. 51+00.00 TO STA. 54+31.23	466.3	147.3	147	55		
STA. 254+31.23 TO STA. 256+00.00	237.6	75.1	58	22		
STA. 256+00.00 TO STA. 259+47.96	544.4	154.7	164	61		
STA. 60+00.00 TO STA. 61+00.00					848	61.4
STA. 60+31.00 TO STA. 62+24.00						110.3
STA. 61+00.00 TO STA. 66+00.00					4000	
STA. 63+87.00 TO STA. 66+88.00						189.4
STA. 66+00.00 TO STA. 69+26.57					2300	77.4
STA. 69+26.57 TO STA. 74+00.00					2443	
STA. 74+00.00 TO STA. 79+00.00					5113	
STA. 79+00.00 TO STA. 84+00.00					5733	
STA. 84+00.00 TO STA. 89+00.00					6500	
STA. 89+00.00 TO STA. 94+00.00					5967	
STA. 94+00.00 TO STA. 99+00.00					5642	
STA. 99+00.00 TO STA. 103+84.00					5785	
STA. 103+84.00 TO STA. 109+00.00					4251	
STA. 200+00.00 TO STA. 200+40.00 CONNECTOR	52.8**	10.3**	14**	6**		
STA. 200+40.00 TO STA. 202+14.00 CONNECTOR	245.0**	77.4**	59**	23**		
TOTAL	4437.8	1323	1149	434	48,580	438.5

\*\* NON-PARTICIPATING ITEMS

DETECTABLE WARNINGS SCHEDULE

LOCATION	DETECTABLE WARNINGS SQ. FT.
STA. 259+47.96	10
STA. 59+94	16
STA. 60+31	16
STA. 62+24	16
STA. 63+87	16
STA. 66+87	16
STA. 68+75	12
STA. 69+65	12
STA. 72+01	18
STA. 73+77	18
STA. 82+89	26
STA. 83+26	26
STA. 98+34	26
STA. 99+15	26
STA. 106+71	20
STA. 108+06	20
STA. 109+31	26
CONNECTOR @ EARTH DRIVE	20
TOTAL	340

EROSION CONTROL SCHEDULE

LOCATION	SEEDING, CLASS 2 (SPECIAL) ACRE	TEMPORARY EROSION CONTROL SEEDING (POUND)	TEMPORARY DITCH CHECK (EACH)	PERIMETER EROSION BARRIER (FOOT)
STA. 31+00.00 TO STA. 36+00.00	0.4	40	1	802
STA. 36+00.00 TO STA. 41+00.00	0.3	30	1	300
STA. 41+00.00 TO STA. 46+00.00	0.2	20	1	380
STA. 46+00.00 TO STA. 51+00.00	0.3	30	3	
STA. 51+00.00 TO STA. 55+00.00	0.2	20	2	150
STA. 255+00.00 TO STA. 256+00.00	0.1	10	1	
STA. 256+00.00 TO STA. 259+47.96	0.1	10		
STA. 259+75.00 TO STA. 61+00.00	0.1	10		
STA. 61+00.00 TO STA. 66+00.00	0.1	10		
STA. 66+00.00 TO STA. 69+00.00	0.1	10		
STA. 69+26.61 TO STA. 74+00.00	0.1	10		
STA. 74+00.00 TO STA. 79+00.00	0.1	10		
STA. 79+00.00 TO STA. 84+00.00	0.1	10		
STA. 84+00.00 TO STA. 89+00.00	0.1	10		
STA. 89+00.00 TO STA. 94+00.00	0.1	10		
STA. 94+00.00 TO STA. 99+00.00	0.1	10		
STA. 99+00.00 TO STA. 104+00.00	0.1	10		
STA. 104+00.00 TO STA. 109+00.00	0.1	10		
TOTAL	2.7	270	9	1332

TREE REMOVAL & TRIMMING SCHEDULE

LOCATION	TREE REMOVAL AND TRIMMING (STA.)	TREE REMOVAL (6 TO 15 UNITS DIAMETER) (UNIT)	TREE REMOVAL (OVER 15 UNITS DIAMETER) (UNITS)
STA. 30+50 TO STA. 36+00	5.5		
STA. 36+00 TO STA. 41+00	5.0		
STA. 41+00 TO STA. 46+00	5.0		
STA. 46+00 TO STA. 51+00	5.0		
STA. 51+00 TO STA. 55+00	4.0		
STA. 255+91.91, 3.97' RT.		8	
STA. 256+44.17, 12.30' RT.			18
STA. 256+77.39, 6.40' LT.		12	
STA. 258+49.42, 5.29' LT.		12	
STA. 258+77.39, 0.42' RT.		12	
STA. 95+20, 42' RT.		12	
STA. 76+28.21, 42.04' RT.		12	
STA. 76+31.78, 46.06' RT.		8	
STA. 76+32.07, 51.38' RT.		10	
STA. 76+36.14, 51.06' RT.		14	
STA. 92+00 TO STA. 95+40	3.4		
STA. 99+99 TO STA. 100+25	0.3		
TOTAL	28.2	100	18

CURB AND GUTTER SCHEDULE

LOCATION	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.06 (FOOT)	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18 (FOOT)	CONCRETE CURB TYPE B (FOOT)	CONCRETE MEDIAN SURFACE, 4" (SQ. FT.)	CONCRETE CURB & GUTTER REMOVAL (FOOT)	MEDIAN SURFACE REMOVAL (SQ. FT.)	COMBINATION CONCRETE CURB AND GUTTER TYPE M-6.24 (FOOT)
GROTH STREET		31				31	
DIRKSEN PARKWAY S.W. CORNER		13	120			13	
DIRKSEN PARKWAY S.W. ISLAND	21			171		34	27
DIRKSEN PARKWAY S.E. ISLAND	12			135		24	12
DIRKSEN PARKWAY S.E. CORNER		30				30	
CORNELL STREET		25				27	
TOTAL	33	99	120	306	157	226	39

SIDEWALK REMOVAL SCHEDULE

LOCATION	SQ. FT.
STA. 74+50	80
STA. 75+90	32
STA. 76+18 TO STA. 77+96	731
STA. 78+19 TO STA. 78+94	300
STA. 79+07 TO STA. 80+91	736
STA. 81+06 TO STA. 83+97	1164
STA. 83+75	56
TOTAL	3079

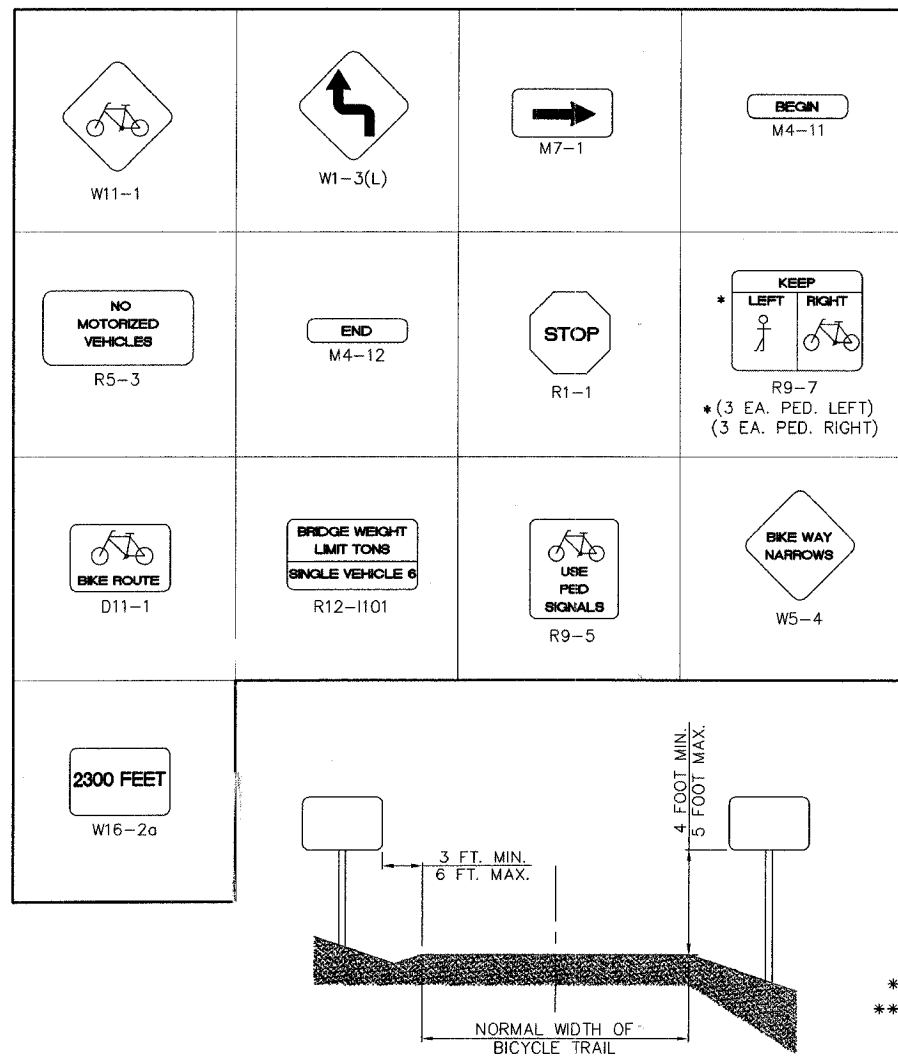
ILLINOIS DEPARTMENT OF TRANSPORTATION  
**SUMMARY OF QUANTITIES & SCHEDULE OF QUANTITIES**  
 N&W RAILROAD BIKE TRAIL  
 SECTION 99-P4001-00-BT  
 PROJECT NO. TE-0006(061)  
 SCALE: HORIZ. VERT.  
 01-24-02  
 DRAWN BY: BAILEY  
 DESIGNED BY: BOTT  
 CHECKED BY: JESSEN  
 GREENE & BRADFORD, INC. OF SPRINGFIELD  
 CONSULTING ENGINEERS  
 3300 CONSTITUTION DRIVE  
 SPRINGFIELD, ILLINOIS 62707  
 (217) 283-0944 (217) 382-6272 FAX  
 COMPUTER FILE NO. 99391GN - 10  
 PROJECT 99-391

F.A. RTE.	SECTION	CITY	TOTAL SHEETS	SHEET NO.
*	***	SPRINGFIELD	34	3
STA. TO STA.				
ILLINOIS FED. AID PROJECT **				
* N&W RAILROAD BIKE TRAIL				
*** 99-P4001-00-BT				
** TE-0006(070)				

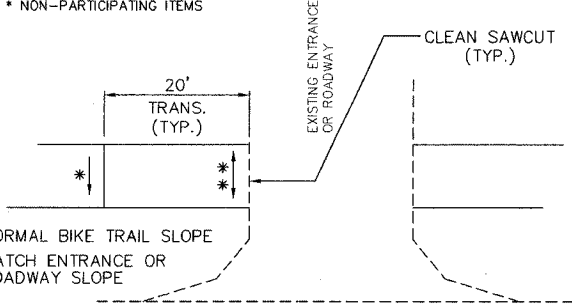
LOCATION	PAINT PAVEMENT MARKING				SIGN PANEL - TYPE 1 SQ. FT. (NUMBER OF SIGNS)												SIGN PANEL - TYPE 2 R12-1101 (EACH) 54"x36"	TELESCOPING STEEL SIGN SUPPORT (FOOT)
	LINE PAINT 4" (FOOT)	LINE PAINT 6" (FOOT)	LINE PAINT 12" (FOOT)	LINE PAINT 24" (FOOT)	R1-1 (EACH) 18"x18"	S1-1 (EACH) 30"x30"	W11-1 (EACH) 24"x24"	D11-1 (EACH) 24"x18"	M4-12 (EACH) 12"x4"	M7-1 (EACH) 12"x9"	R5-3 (EACH) 24"x24"	W1-3(L) (EACH) 18"x18"	W5-4 (EACH) 18"x18"	R9-7 (EACH) 12"x18"	W16-2 (EACH) 24"x18"	R9-5 (EACH) 12"x18"		
STA. 35+00		94					4.0 (1)		0.33 (1)									9.1
STA. 42+50													2.25 (1)					32.1
STA. 47+50													2.25 (1)					32.1
STA. 59+75 TO STA. 61+00	173	78	13	16	4.5 (2)		4.0 (1)			4.0 (1)								50.5
STA. 61+00 TO STA. 66+00	834																	19.0
STA. 66+00 TO STA. 69+00	362																	46.0
STA. 69+50 TO STA. 74+00	430	195					6.25 (1)		3.0 (1)	1.5 (2)						1.5 (1)		28.0
STA. 74+00 TO STA. 79+00	472	46					6.25 (1)										1.5 (1)	29.2
STA. 79+00 TO STA. 84+00	483	86	26	15	4.5 (2)		4.0 (1)			8.0 (2)							1.5 (1)	59.3
STA. 84+00 TO STA. 89+00	500																	
STA. 89+35		87																
STA. 89+00 TO STA. 94+00	459																	
STA. 94+00 TO STA. 99+00	434																	
STA. 98+70		167																
STA. 101+75		51																
STA. 99+00 TO STA. 103+84	445																	
STA. 103+84 TO STA. 109+00	498	244	33	60	2.25 (1)		8.0 (2)	6.0 (2)		.75 (1)	4.0 (1)					3.0 (2)		88.5
STA. 258+00																		9.1
CONNECTOR @ FAITH DRIVE			10	91	2.25 (1)													9.1
TOTAL	5090	1048	82	91	13.50 (6)	12.50 (2)	24.0 (6)	9.0 (3)	0.66 (2)	2.25 (3)	16.0 (4)	4.5 (2)	4.5 (2)	9.0 (6)	3.0 (1)	6.0 (4)	27.0 (2)	412.0

**GENERAL NOTES**

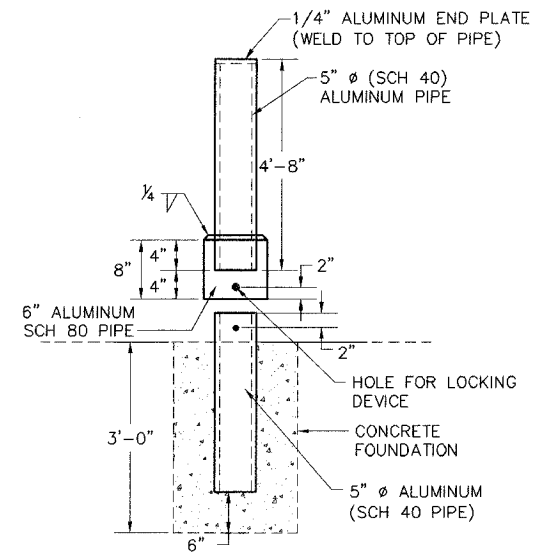
- WHEN SECTION OR SUB-SECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKS AND MONUMENTS UNTIL THE OWNER OR AN AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHER REFERENCED THEIR LOCATIONS.
- SEE SPECIAL PROVISIONS FOR SEEDING RATES.
- ALL PLAN ELEVATIONS REPRESENT USGS DATUM.
- THE ASSUMED RATE OF APPLICATION FOR GRANULAR AND BITUMINOUS MATERIALS ARE AS FOLLOWS:  
 ALL GRANULAR MATERIAL 2.05 TON / CU. YD.  
 PRIME COAT FOR AGGREGATE BASE COURSE 0.30 GALLON / SQ. YD.  
 BITUMINOUS CONCRETE SURFACE COURSE 112 LBS. / IN.-SQ. YD.
- MINIMUM OFFSET FROM POWER POLES SHALL BE MAINTAINED AS SHOWN IN THE PLANS. THE MINIMUM OFFSET WILL GOVERN WHEN THE HORIZONTAL ALIGNMENT FAILS TO MEET THE OFFSET. THE CONTRACTOR SHALL USE A MINIMUM OF 20 MPH DESIGN SPEED WHEN ALTERING PROPOSED HORIZONTAL ALIGNMENT TO MEET THIS CONDITION.



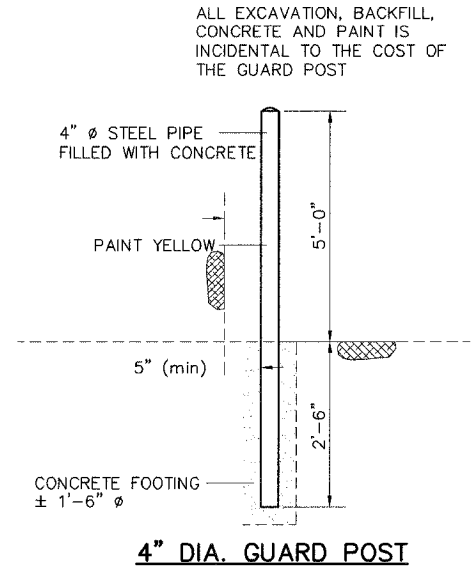
EARTHWORK SCHEDULE		
LOCATION	EARTH EXCAVATION CU. YD.	GRADING AND SHADING ROADWAY (STA.)
STA. 28+10.00 TO STA. 43+65.00	2724	
STA. 44+45.00 TO STA. 54+00.00	961	
STA. 254+00.00 TO STA. 259+47.96		5.5
STA. 59+94.00 TO STA. 60+31.00		0.4
STA. 62+24.00 TO STA. 63+87.00		1.7
STA. 66+87.00 TO STA. 68+75.00		1.9
STA. 69+65.00 TO STA. 72+01.00		2.4
STA. 72+64.00 TO STA. 72+79.00		0.2
STA. 73+77.00 TO STA. 74+00.00		0.3
STA. 74+00.00 TO STA. 76+17.00		2.2
STA. 76+17.00 TO STA. 77+96.00		1.8
STA. 78+19.00 TO STA. 78+95.00		0.8
STA. 79+07.00 TO STA. 80+92.00		1.9
STA. 81+07.00 TO STA. 82+89.00		1.9
STA. 83+26.00 TO STA. 84+00.00		0.8
STA. 84+00.00 TO STA. 89+00.00		5.0
STA. 89+00.00 TO STA. 89+11.00		0.2
STA. 89+52.00 TO STA. 94+00.00		4.5
STA. 94+00.00 TO STA. 98+34.00		4.4
STA. 99+15.00 TO STA. 101+64.00		2.5
STA. 101+88.00 TO STA. 103+84.00		2.0
STA. 103+84.00 TO STA. 104+06.00		0.3
STA. 104+50.00 TO STA. 106+71.00		2.3
STA. 108+06.00 TO STA. 109+31.00		1.9
STA. 200+00.00 TO STA. 202+14.00		2.1*
TOTAL	3685	47.2



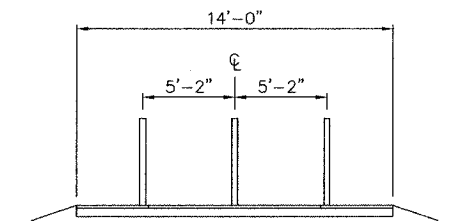
**CROSS SLOPE TRANSITION DETAIL**  
ALL ENTRANCE & CROSSROAD INTERSECTIONS



**5" DIA. REMOVABLE GUARD POST**



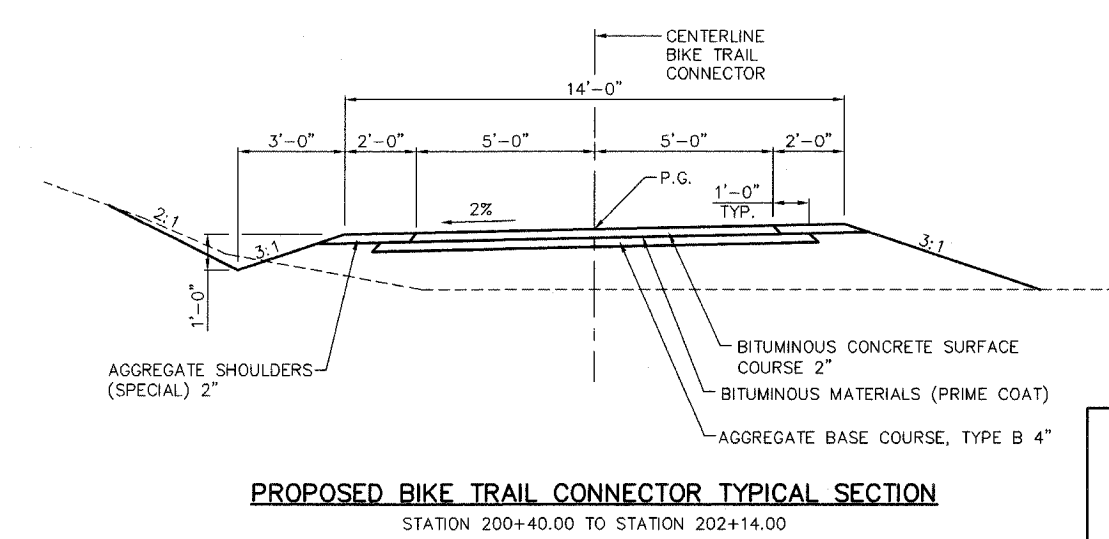
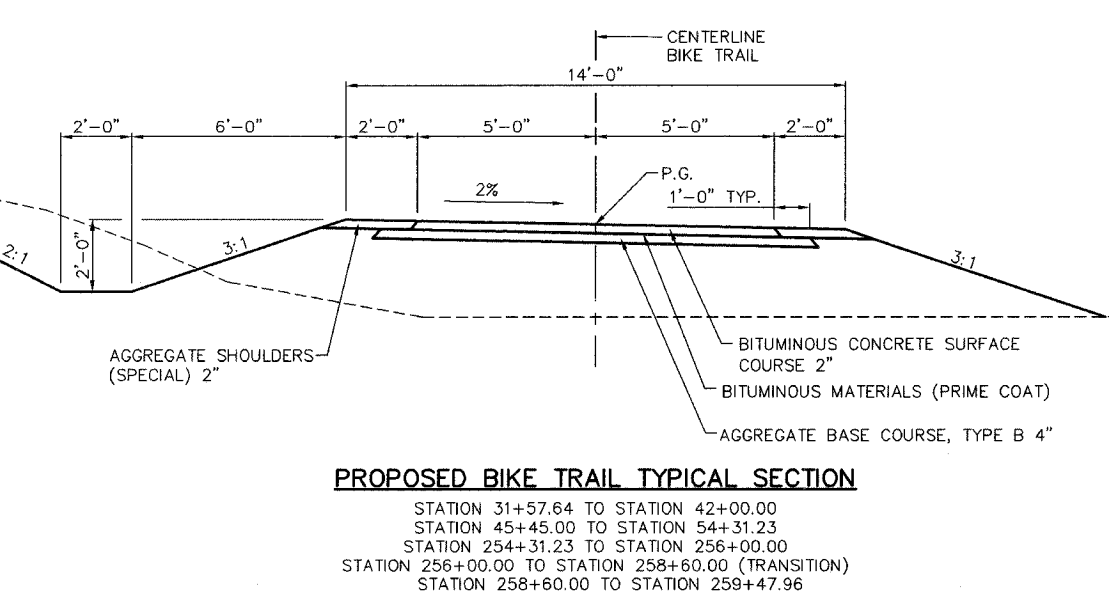
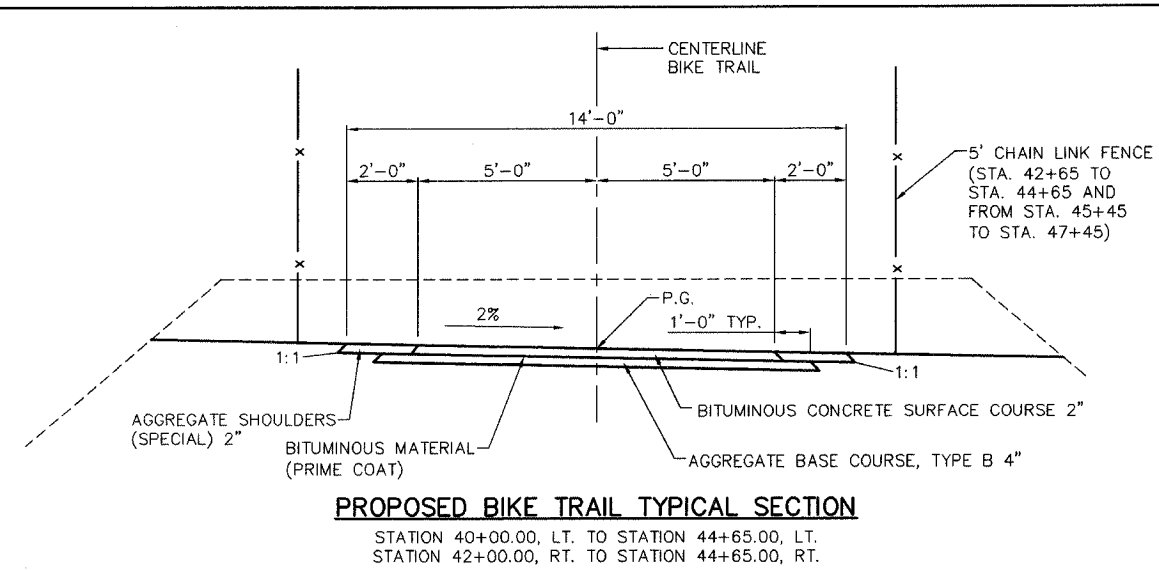
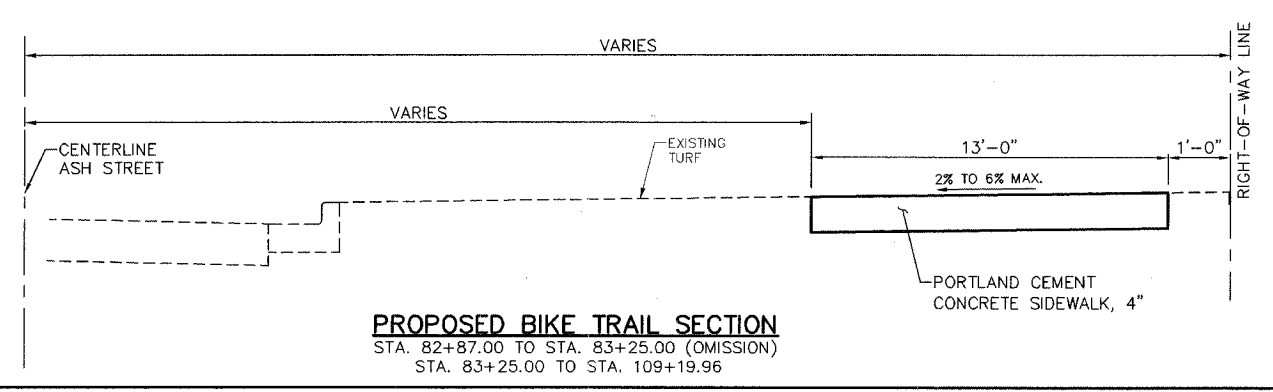
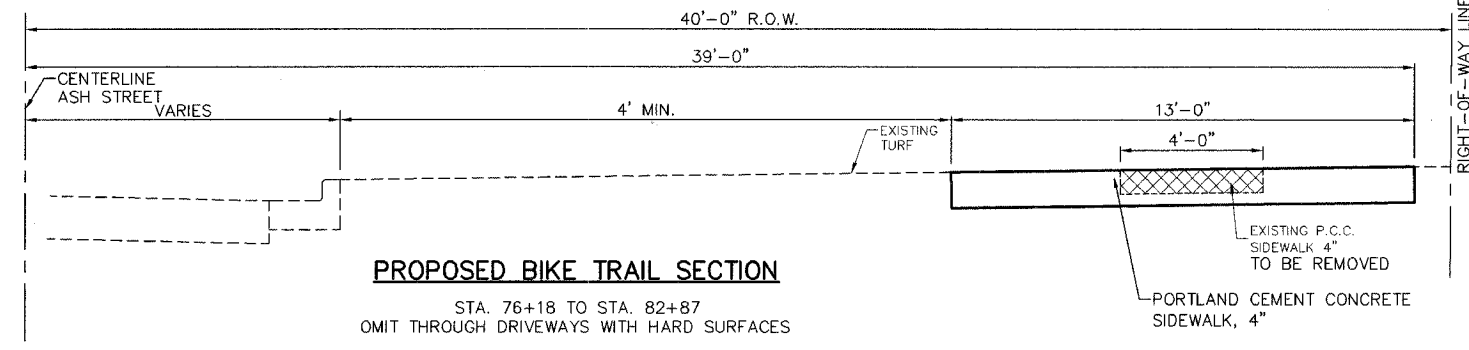
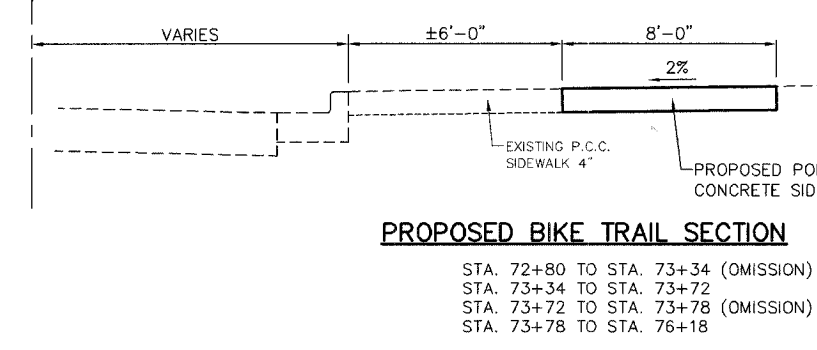
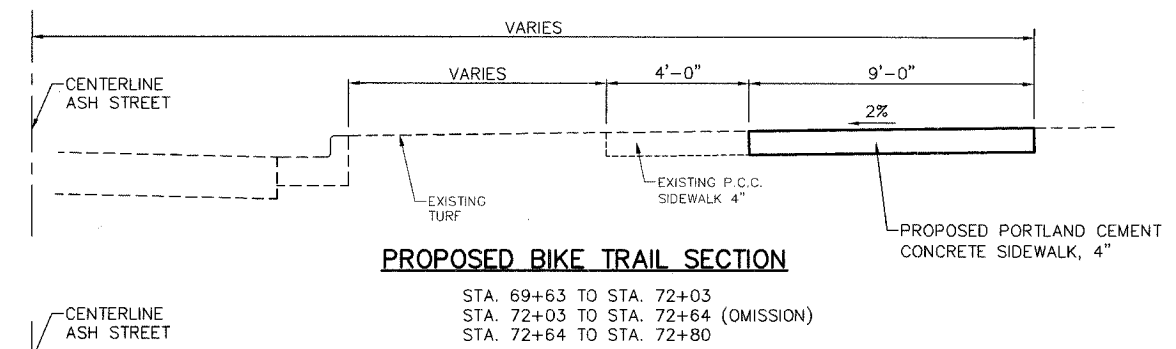
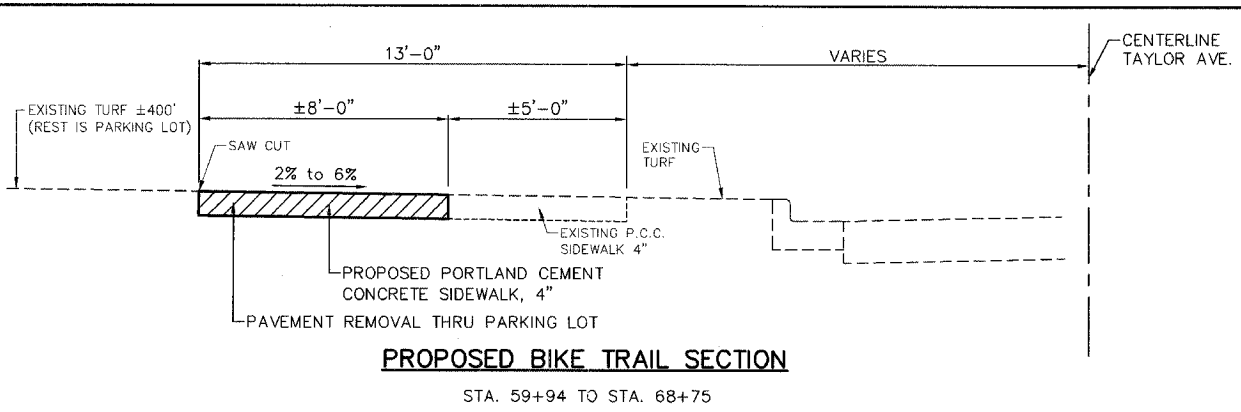
**4" DIA. GUARD POST**



**TYPICAL GUARD POST PLACEMENT**

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**SCHEDULE OF QUANTITIES**  
**GENERAL NOTES AND DETAILS**  
 N&W RAILROAD BIKE TRAIL  
 SECTION 99-P4001-00-BT  
 PROJECT NO. TE-0006(070)  
 SCALE: HORIZ. VERT.  
 DATE: 11-20-00  
 DRAWN BY: BAILEY  
 DESIGNED BY: BOTT  
 CHECKED BY: JESSEN  
**GREENE & BRADFORD, INC.**  
 OF SPRINGFIELD  
 CONSULTING ENGINEERS  
 3201 CHESTNUT DRIVE  
 SPRINGFIELD, ILLINOIS 62707  
 (217) 793-1844 (217) 793-6227 FAX  
 COMPUTER FILE NO.  
 99391GN2-10  
 PROJECT  
 99-391

F.A. R.T.E.	SECTION	CITY	TOTAL SHEETS	SHEET NO.
*	***	SPRINGFIELD	34	4
STA.		TO STA.		
		ILLINOIS FED. AID PROJECT **		
* N&W RAILROAD BIKE TRAIL				
*** 99-P4001-00-BT				
** TE-00D6(070)				



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**TYPICAL SECTIONS**  
N&W RAILROAD BIKE TRAIL  
SECTION 99-P4001-00-BT  
PROJECT NO. TE-00D6(061)

SCALE: HORIZ.  
DATE: 11-20-00

DRAWN BY: BAILEY  
DESIGNED BY: BOTT  
CHECKED BY: JESSEN

COMPUTER FILE NO. 99391TYP-10  
PROJECT 99-391

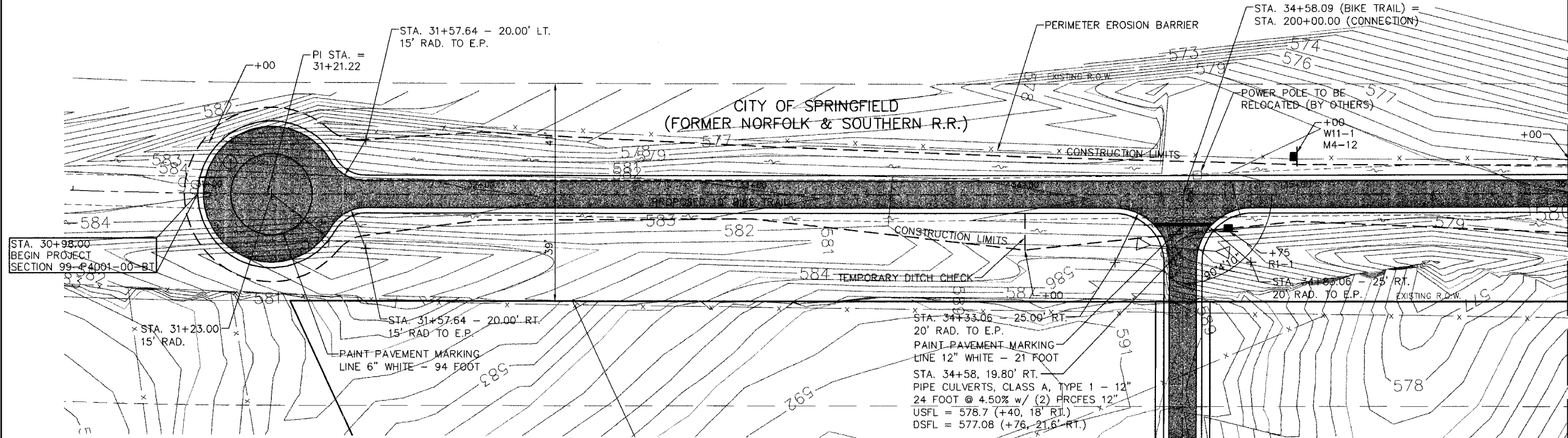
**GREENE & BRADFORD, INC.**  
CONSULTING ENGINEERS  
3501 CONSTITUTION DRIVE  
SPRINGFIELD, ILLINOIS 62707  
(217) 763-8844, (217) 763-6227 FAX

michele J:\99391\DRAWINGS\99391TYP.dwg Men. 01/16/2006 10:55am



F.A. RTE.	SECTION	CITY	TOTAL SHEETS	SHEET NO.
*	***	SPRINGFIELD	34	5
STA. 30+50		TO STA. 36+00		**
ILLINOIS FED. AID PROJECT				
* N&W RAILROAD BIKE TRAIL				
*** 99-P4001-00-BT				
** TE-0006(070)				

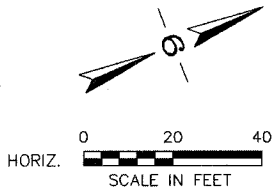
PLAN	DATE
BY	
REVISIONS	
NOTED	
NO.	



MATCH LINE STA. 36+00

**LEGEND**

- BIKE TRAIL
- PROPOSED 6' & VARIABLE PERMANENT EASEMENT
- TREE REMOVAL
- PRELIMINARY SURVEY POINTS



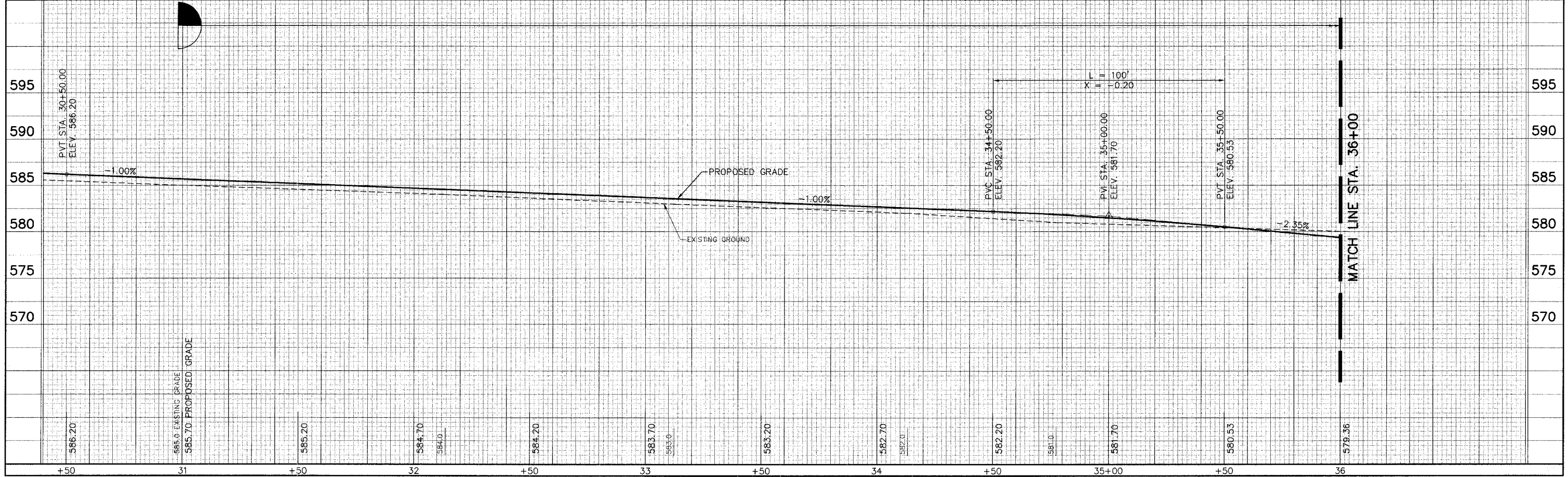
BENCHMARK: RAILROAD SPIKE IN POWER POLE (TBM #290)  
 STA. 34+63.28 - 7.15' LT.  
 ELEVATION = 582.42

REVISIONS	DATE	BY

**GREENE & BRADFORD, INC.**  
 OF SPRINGFIELD  
 CONSULTING ENGINEERS  
 3005 CONSTITUTION DRIVE  
 SPRINGFIELD, ILLINOIS 62707  
 (217) 793-8844, (217) 793-8227 FAX

COMPUTER FILE NO. 99391PP05 - 20  
 PROJECT: 99-391

PROFILE	DATE
BY	
REVISIONS	
NOTED	
NO.	

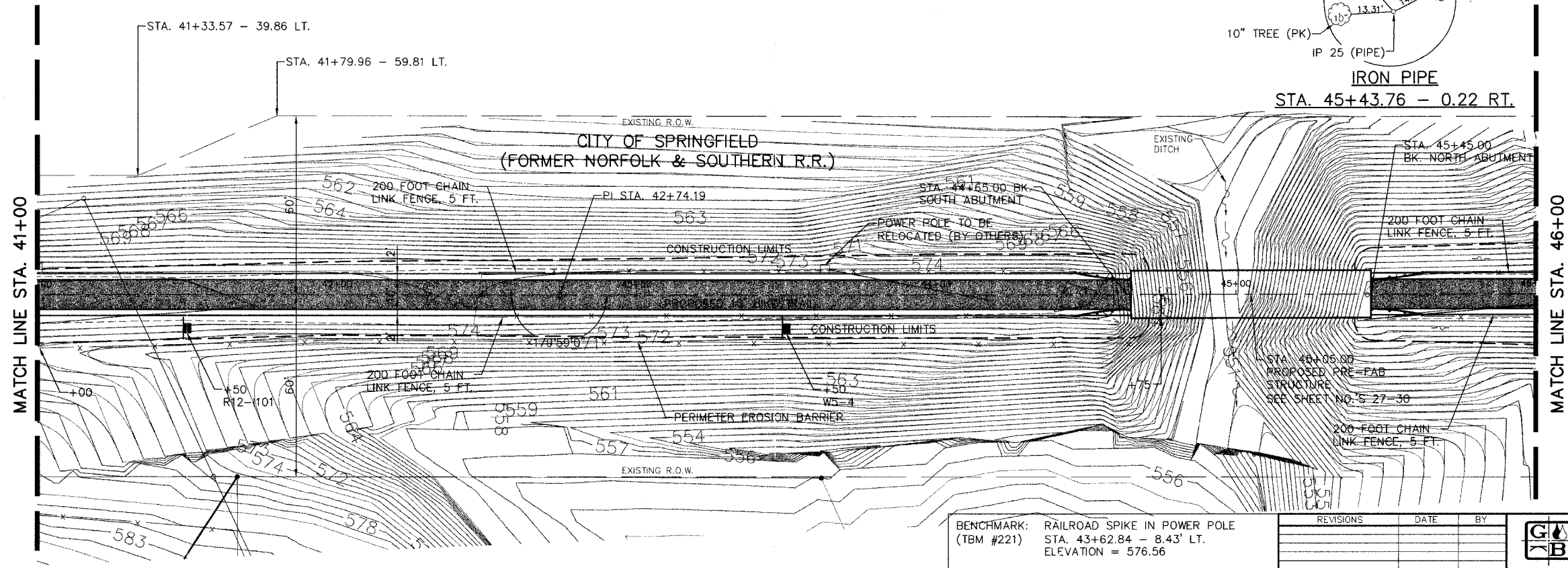






F.A. RT.	SECTION	CITY	TOTAL SHEETS	SHEET NO.
*	***	SPRINGFIELD	34	7
STA. 41+00		TO STA. 46+00		**
ILLINOIS FED. AID PROJECT **				
* N&W RAILROAD BIKE TRAIL				
*** 99-P4001-00-BT				
** TE-00D6(070)				

PLAN	SURVEYED	BY	DATE
	PLotted		
	Checked		
	Revised		
	Final		
	As Shown		
	As Noted		
	Structure		
	Notations		
	Checked		
	By		
	Date		



**LEGEND**

- BIKE TRAIL
- PROPOSED 6' & VARIABLE PERMANENT EASEMENT
- TREE REMOVAL
- PRELIMINARY SURVEY POINTS



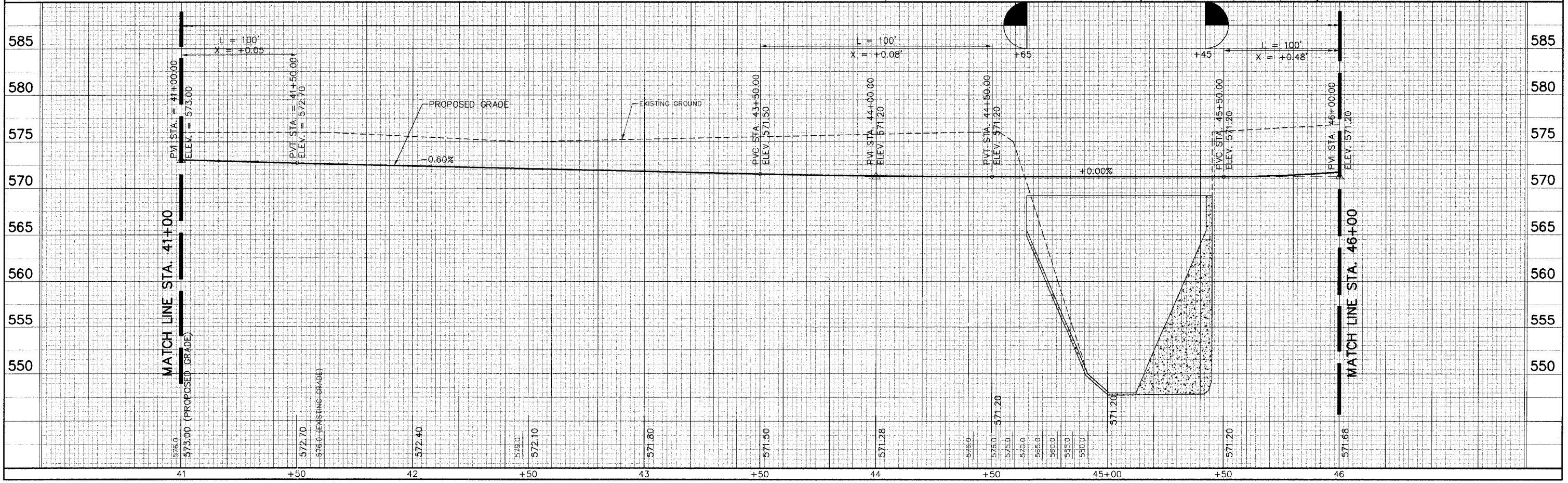
BENCHMARK: RAILROAD SPIKE IN POWER POLE (TBM #221)  
 STA. 43+62.84 - 8.43' LT.  
 ELEVATION = 576.56

REVISIONS	DATE	BY

**GREENE & BRADFORD, INC.**  
 OF SPRINGFIELD  
 CONSULTING ENGINEERS  
 3001 CONSTITUTION DRIVE  
 SPRINGFIELD, ILLINOIS 62707  
 (217) 752-8844, (217) 752-5222 FAX

COMPUTER FILE NO. 99391PP07 - 20  
 PROJECT: 99-391

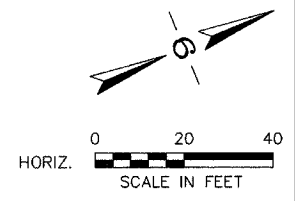
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	Plotted		
	Checked		
	Revised		
	Final		
	As Shown		
	As Noted		
	Structure		
	Notations		
	Checked		
	By		
	Date		



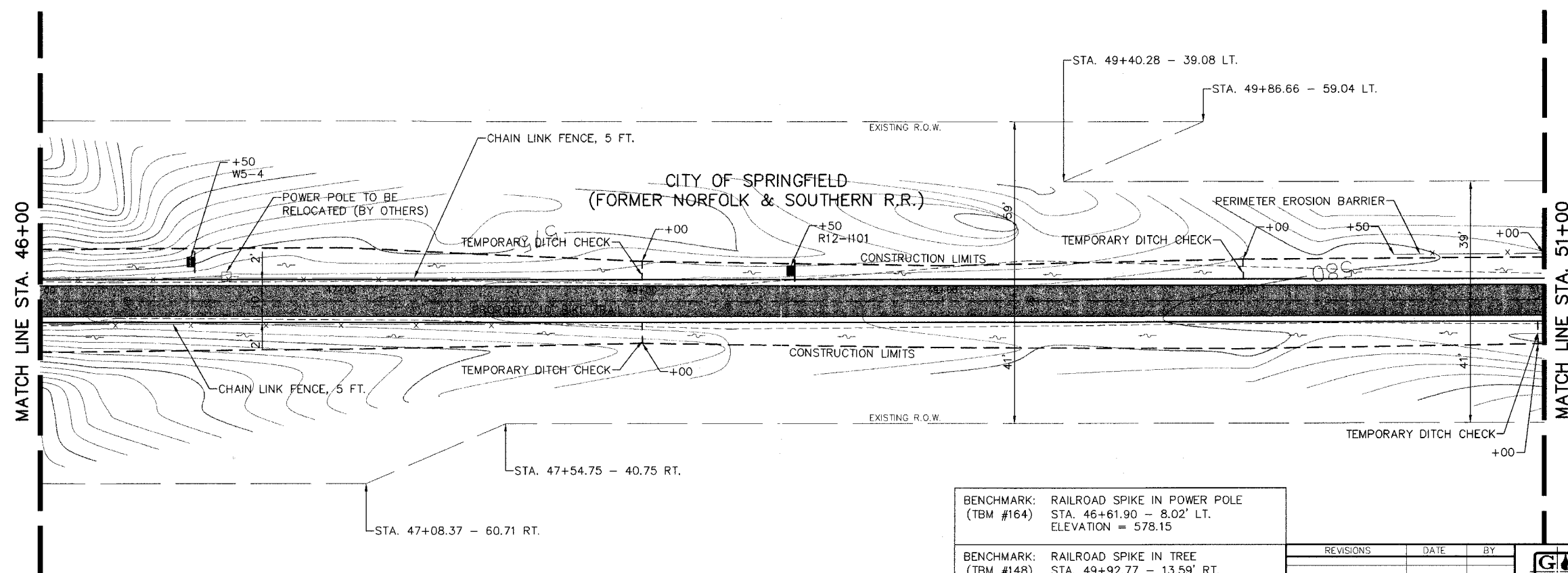
F.A. RTE.	SECTION	CITY	TOTAL SHEETS	SHEET NO.
*	***	SPRINGFIELD	34	8
STA. 46+00		TO STA. 50+00		
ILLINOIS		FED. AID PROJECT		**
* N&W RAILROAD BIKE TRAIL				
*** 99-P4001-00-BT				
** TE-0006(070)				

**LEGEND**

- BIKE TRAIL
- PROPOSED 6' & VARIABLE PERMANENT EASEMENT
- TREE REMOVAL
- PRELIMINARY SURVEY POINTS



PLAN	REVISIONS	DATE
NOTE BOOK	BY	
NO.		



BENCHMARK: RAILROAD SPIKE IN POWER POLE (TBM #164)  
STA. 46+61.90 - 8.02' LT.  
ELEVATION = 578.15

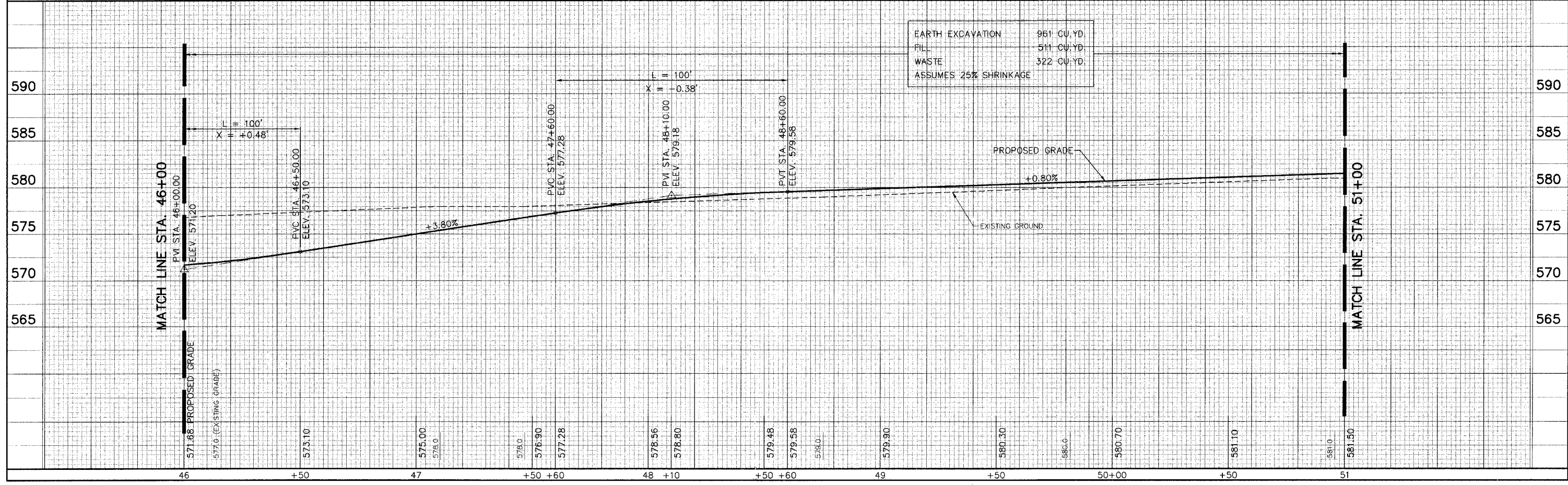
BENCHMARK: RAILROAD SPIKE IN TREE (TBM #148)  
STA. 49+92.77 - 13.59' RT.  
ELEVATION = 581.05

REVISIONS	DATE	BY

**GREENE & BRADFORD, INC.**  
CONSULTING ENGINEERS  
3501 CONSTITUTION DRIVE  
SPRINGFIELD, ILLINOIS 62707  
(217) 793-8844, (217) 793-6227 FAX

COMPUTER FILE NO. 99391PP08 - 20  
PROJECT: 99-391

PROFILE	REVISIONS	DATE
NOTE BOOK	BY	
NO.		

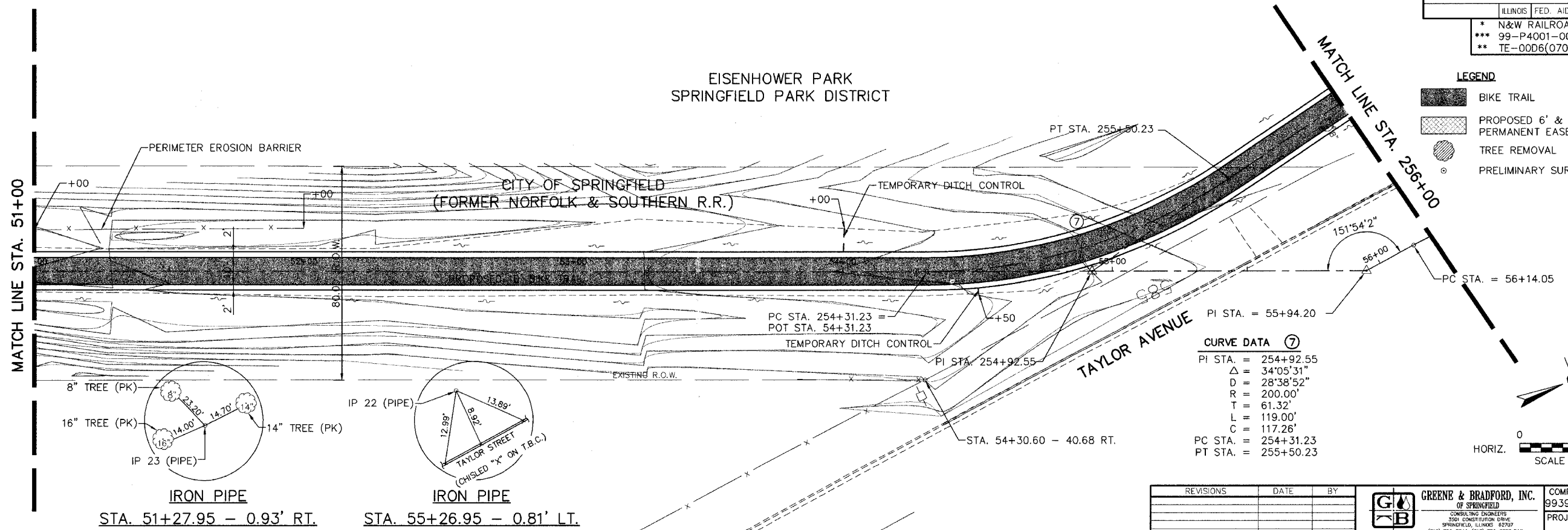




F.A. RT.	SECTION	CITY	TOTAL SHEETS	SHEET NO.
*	***	SPRINGFIELD	34	9
STA. 51+00		TO STA. 256+00		
ILLINOIS		FED. AID PROJECT		**
* N&W RAILROAD BIKE TRAIL				
*** 99-P4001-00-BT				
** TE-0006(070)				

- LEGEND**
- BIKE TRAIL
  - PROPOSED 6' & VARIABLE PERMANENT EASEMENT
  - TREE REMOVAL
  - PRELIMINARY SURVEY POINTS

EISENHOWER PARK  
SPRINGFIELD PARK DISTRICT



**CURVE DATA ⑦**

PI STA.	= 254+92.55
Δ	= 34°05'31"
D	= 28°38'52"
R	= 200.00'
T	= 61.32'
L	= 119.00'
C	= 117.26'
PC STA.	= 254+31.23
PT STA.	= 255+50.23

PLAN

SURVEYED	DATE
PLOTTED	
NOTED	
BY	
NO.	

PROFILE

SURVEYED	DATE
PLOTTED	
NOTED	
BY	
NO.	

REVISIONS	DATE	BY

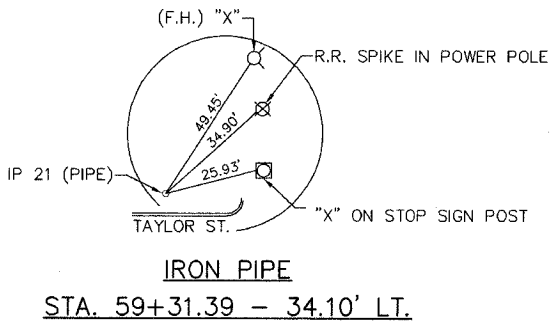
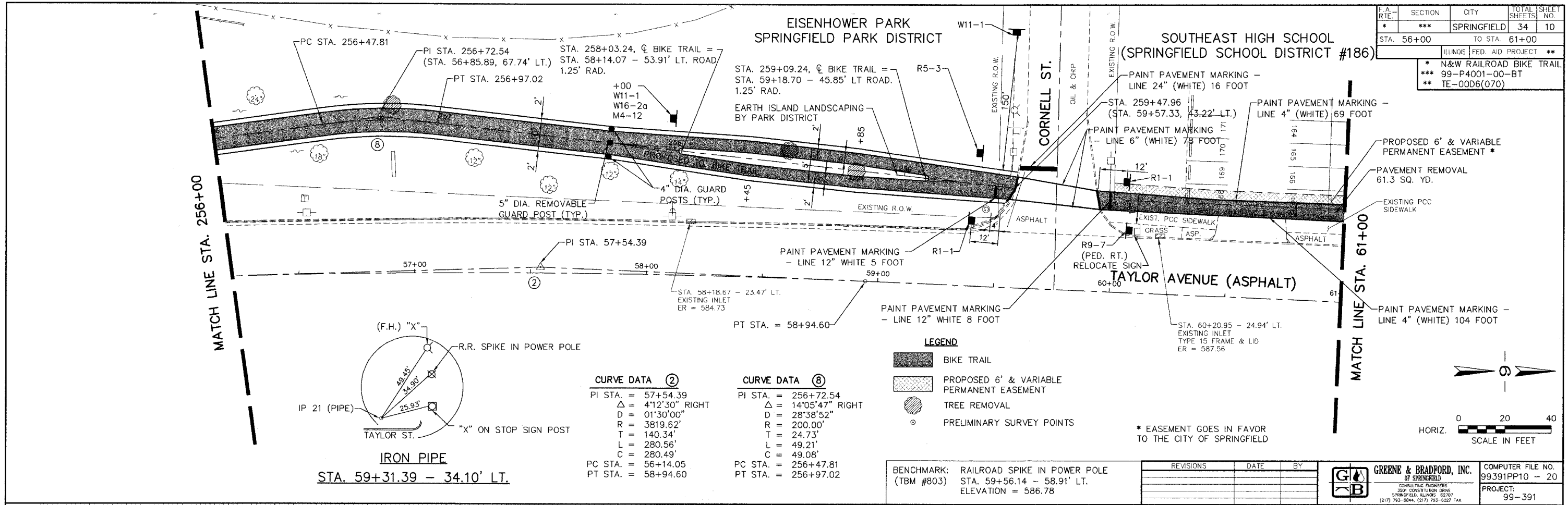
**GREENE & BRADFORD, INC.**  
OF SPRINGFIELD  
CONSULTING ENGINEERS  
3501 CONSTITUTION DRIVE  
SPRINGFIELD, ILLINOIS 62707  
(217) 753-8644, (217) 733-5227 FAX

COMPUTER FILE NO.  
99391PP09 - 20

PROJECT:  
99-391



F.A. RTE.	SECTION	CITY	TOTAL SHEETS	SHEET NO.
*	***	SPRINGFIELD	34	10
STA. 56+00		TO STA. 61+00		
ILLINOIS		FED. AID PROJECT		**
* N&W RAILROAD BIKE TRAIL				
*** 99-P4001-00-BT				
** TE-0006(070)				



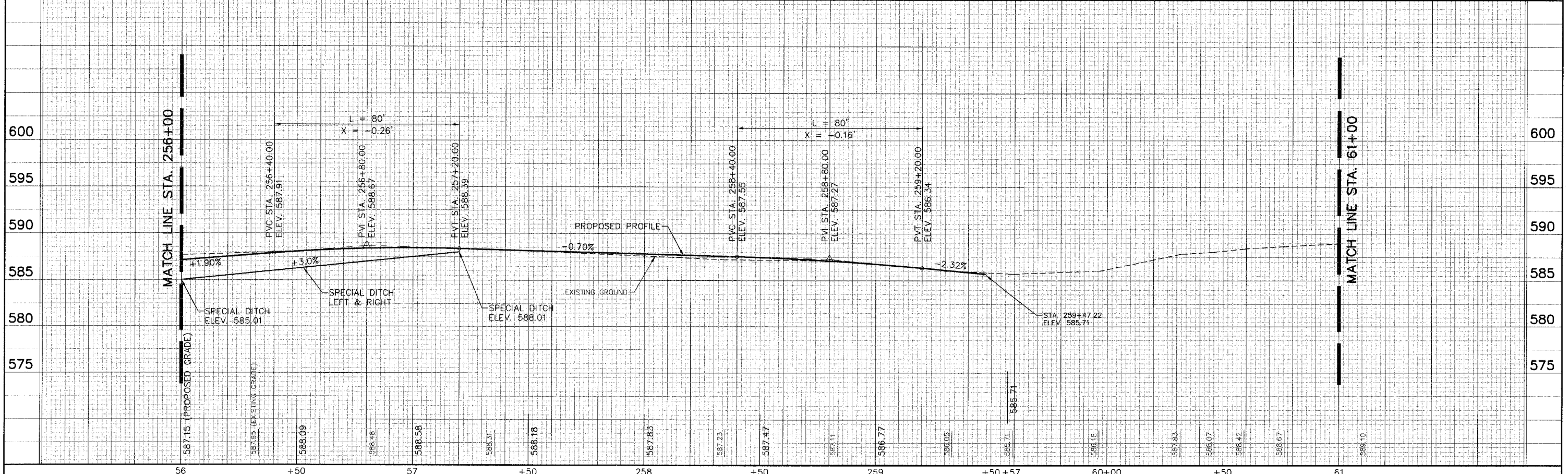
CURVE DATA ②		CURVE DATA ⑧	
PI STA. = 57+54.39	PI STA. = 256+72.54	PI STA. = 256+72.54	PI STA. = 256+72.54
Δ = 4°12'30" RIGHT	Δ = 14°05'47" RIGHT	Δ = 14°05'47" RIGHT	Δ = 14°05'47" RIGHT
D = 01°30'00"	D = 28°38'52"	D = 28°38'52"	D = 28°38'52"
R = 3819.62'	R = 200.00'	R = 200.00'	R = 200.00'
T = 140.34'	T = 24.73'	T = 24.73'	T = 24.73'
L = 280.56'	L = 49.21'	L = 49.21'	L = 49.21'
C = 280.49'	C = 49.08'	C = 49.08'	C = 49.08'
PC STA. = 56+14.05	PC STA. = 256+47.81	PC STA. = 256+47.81	PC STA. = 256+47.81
PT STA. = 58+94.60	PT STA. = 256+97.02	PT STA. = 256+97.02	PT STA. = 256+97.02

BENCHMARK: RAILROAD SPIKE IN POWER POLE (TBM #803) STA. 59+56.14 - 58.91' LT. ELEVATION = 586.78

REVISIONS	DATE	BY

**GREENE & BRADFORD, INC.**  
 CONSULTING ENGINEERS  
 3501 CONSTRUCTION DRIVE  
 SPRINGFIELD, ILLINOIS 62707  
 (217) 793-8844 (217) 793-6227 FAX

COMPUTER FILE NO. 99391PP10 - 20  
 PROJECT: 99-391



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

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



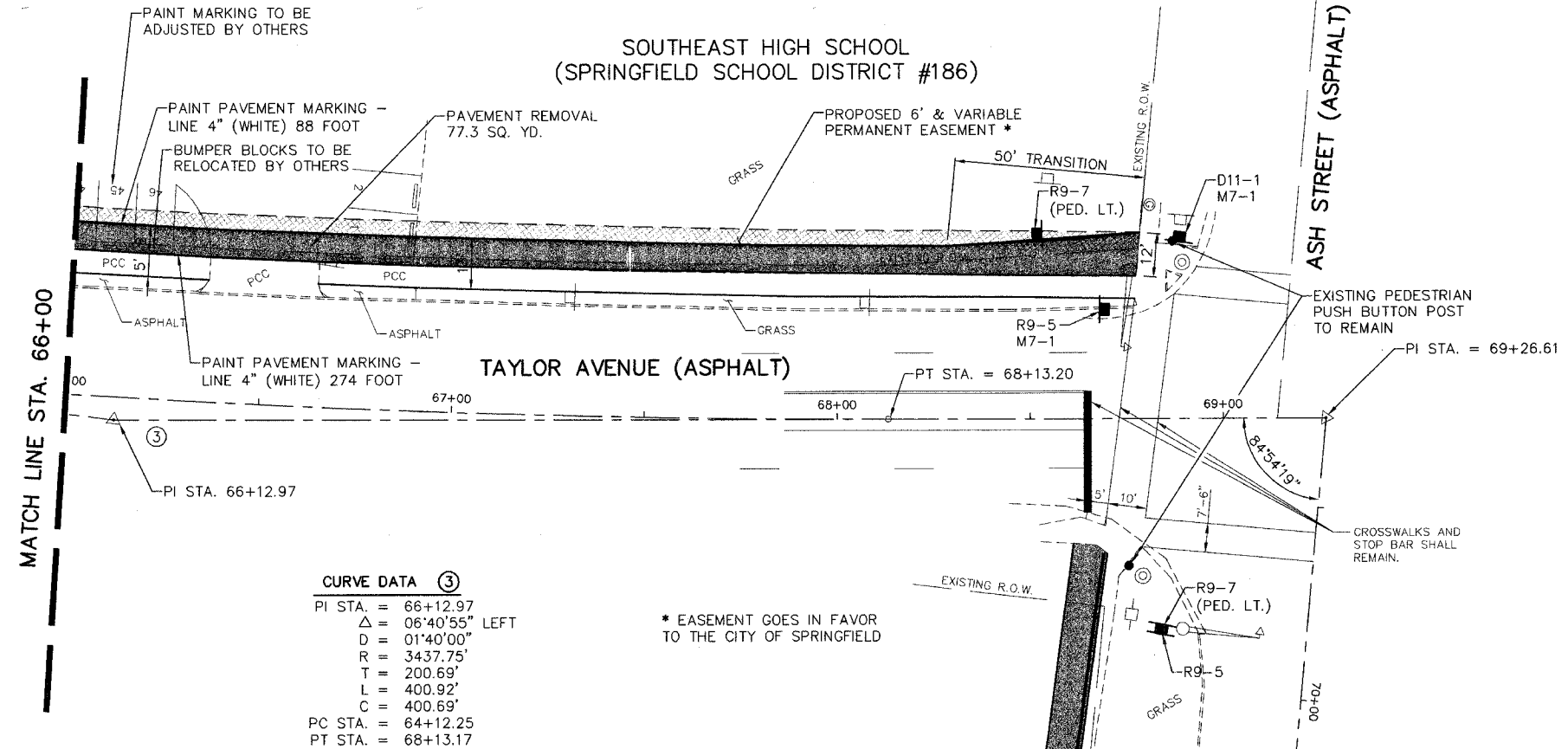


03404

F.A. RTE.	SECTION	CITY	TOTAL SHEETS	SHEET NO.
*	***	SPRINGFIELD	34	12
STA. 66+00		TO STA. 69+26.61		
		ILLINOIS FED. AID PROJECT **		
		* N&W RAILROAD BIKE TRAIL		
		*** 99-P4001-00-BT		
		** TE-00D6(070)		

PLAN	SURVEYED	BY	DATE
NOTE BOOK NO.	PLotted		
	Checked		
	By		
	Notary		
	Checked		
	By		
	Notary		

PROF. FILE	SURVEYED	BY	DATE
NOTE BOOK NO.	Plotted		
	Checked		
	By		
	Notary		
	Checked		
	By		
	Notary		



**CURVE DATA ③**

PI STA. = 66+12.97

Δ = 06°40'55" LEFT

D = 01°40'00"

R = 3437.75'

T = 200.69'

L = 400.92'

C = 400.69'

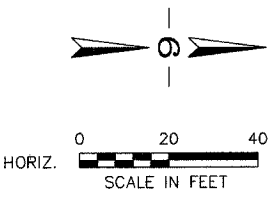
PC STA. = 64+12.25

PT STA. = 68+13.17

\* EASEMENT GOES IN FAVOR TO THE CITY OF SPRINGFIELD

**LEGEND**

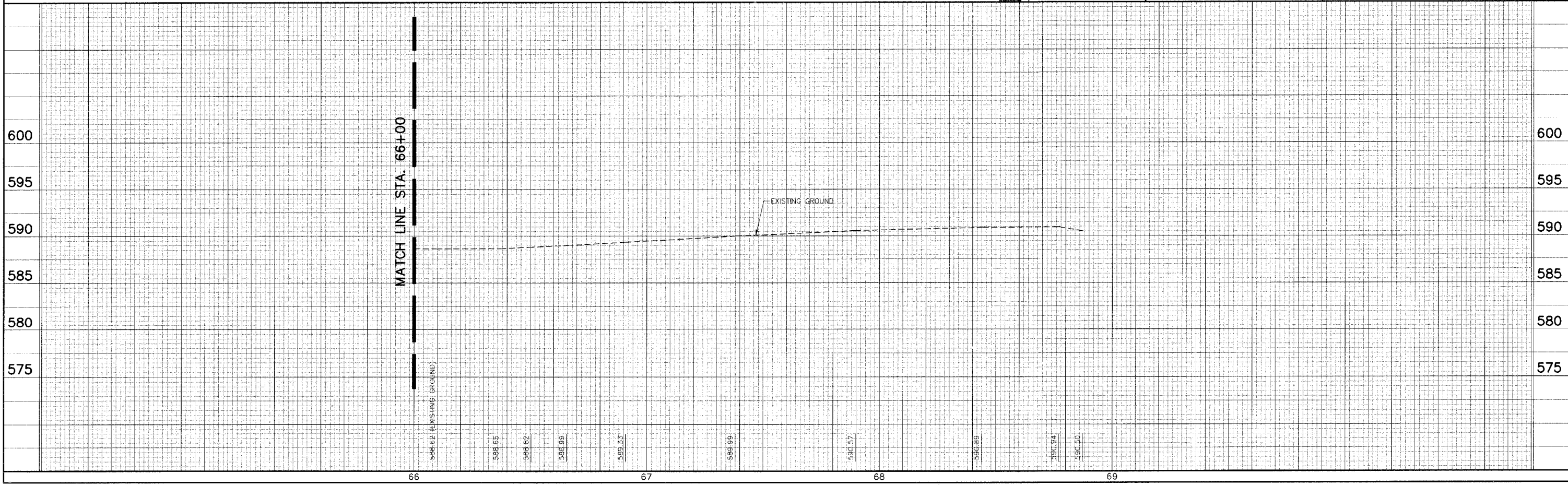
- BIKE TRAIL
- PROPOSED 6' & VARIABLE PERMANENT EASEMENT
- TREE REMOVAL
- PRELIMINARY SURVEY POINTS



REVISIONS	DATE	BY

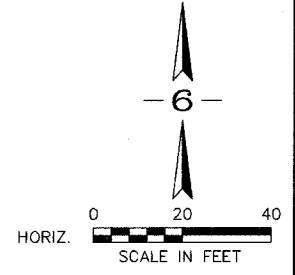
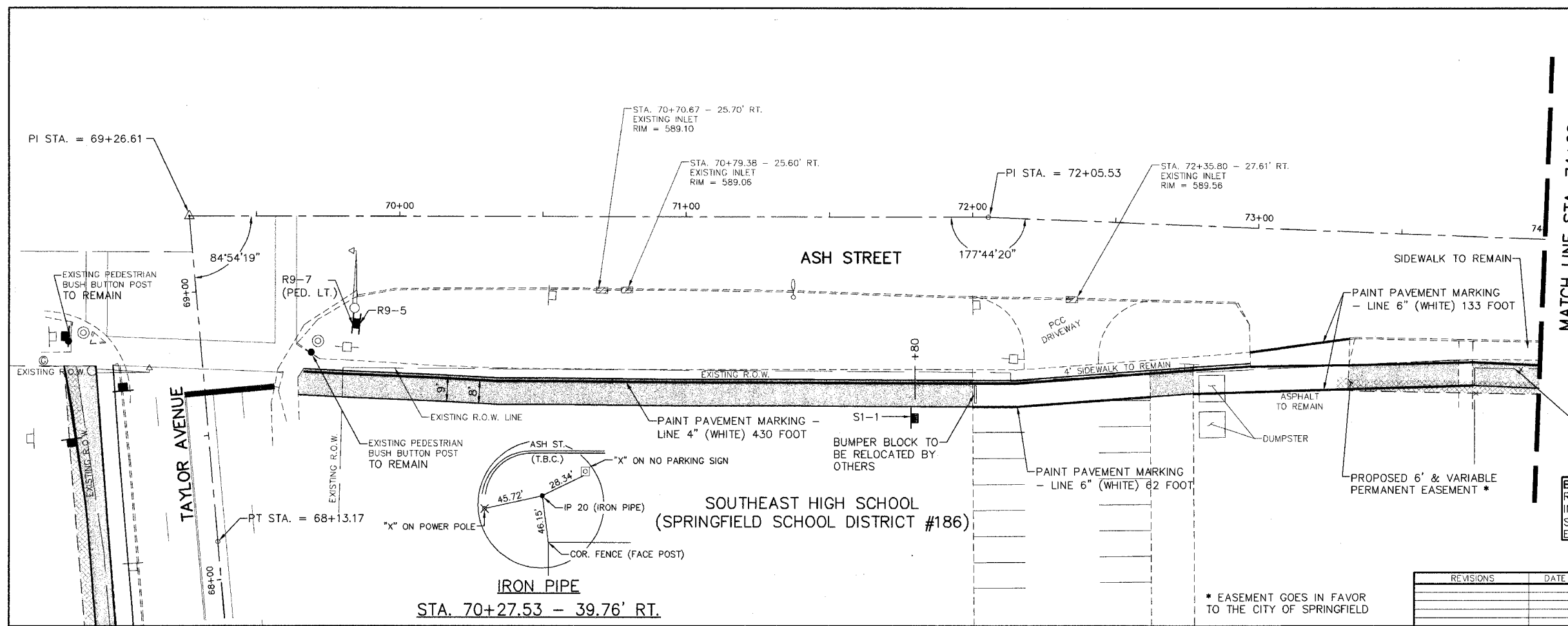
**GREENE & BRADFORD, INC.**  
OF SPRINGFIELD  
CONSULTING ENGINEERS  
3501 CONSTITUTION DRIVE  
SPRINGFIELD, ILLINOIS 62707  
(217) 793-8844, (217) 793-8227 FAX

COMPUTER FILE NO. 99391PP12 - 20  
PROJECT: 99-391



F.A. RTE.	SECTION	CITY	TOTAL SHEETS	SHEET NO.
*	***	SPRINGFIELD	34	13
STA. 69+26.61		TO STA. 74+00		
ILLINOIS FED. AID PROJECT **				
* N&W RAILROAD BIKE TRAIL				
*** 99-P4001-00-BT				
** TE-00D6(070)				

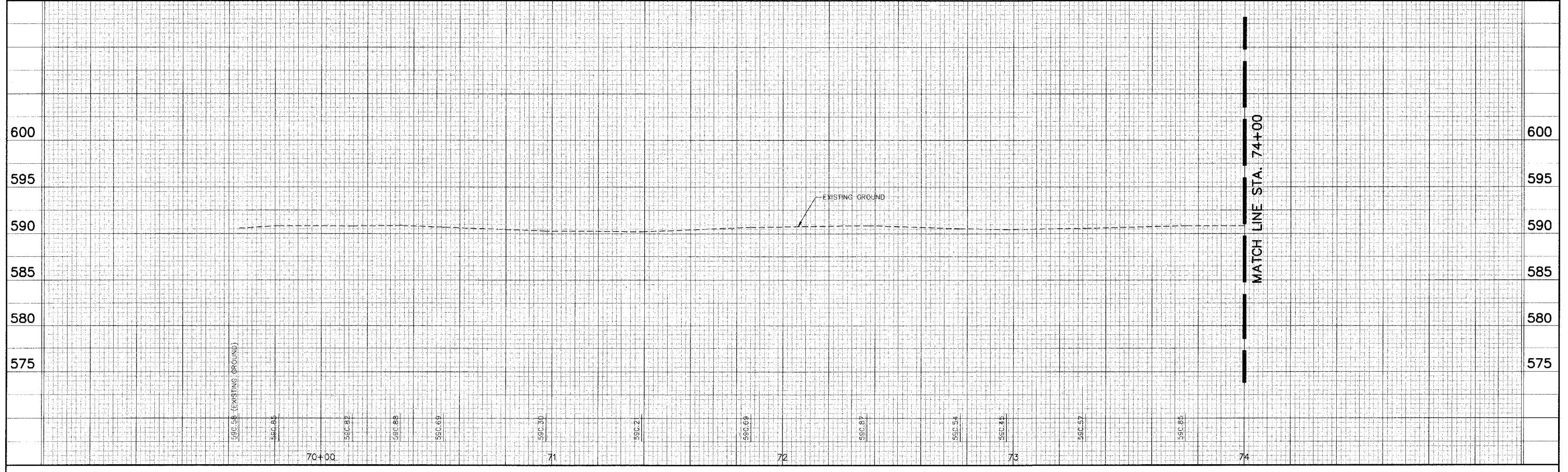
PLAN	REVISIONS	DATE	BY



REVISIONS	DATE	BY

<b>GREENE &amp; BRADFORD, INC.</b> OF SPRINGFIELD REGISTERED PROFESSIONAL ENGINEERS 5501 CONSTITUTION DRIVE SPRINGFIELD, ILLINOIS 62707 (217) 793-8844 (217) 793-8227 FAX	COMPUTER FILE NO. 99391PP13 - 20 PROJECT: 99-391
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PROFILE	REVISIONS	DATE	BY

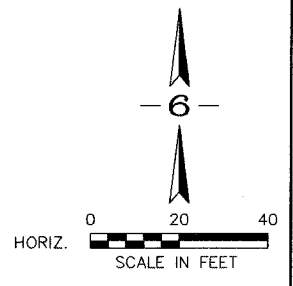




F.A. RTE.	SECTION	CITY	TOTAL SHEETS	SHEET NO.
*	***	SPRINGFIELD	34	14
STA. 74+00 TO STA. 79+00			ILLINOIS FED. AID PROJECT **	
* N&W RAILROAD BIKE TRAIL				
*** 99-P4001-00-BT				
** TE-00D6(070)				

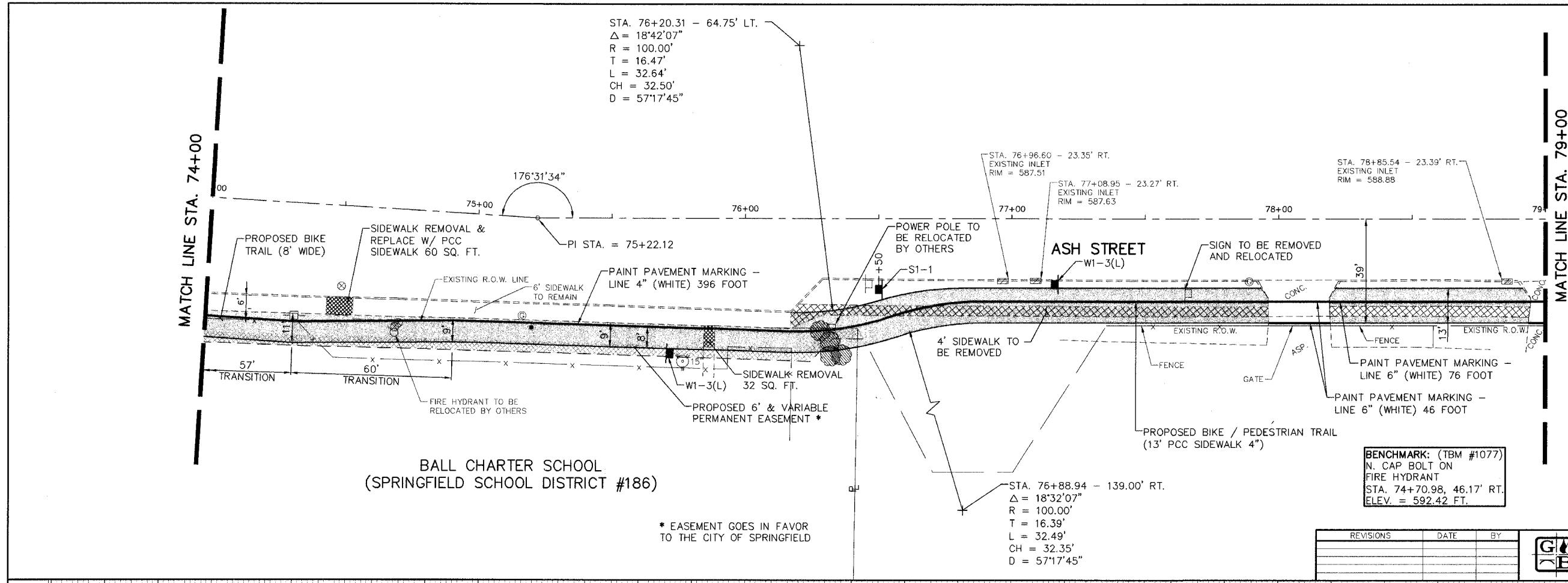
**LEGEND**

- BIKE TRAIL
- PROPOSED 6' & VARIABLE PERMANENT EASEMENT
- TREE REMOVAL
- PRELIMINARY SURVEY POINTS



PLAN	REVISIONS	DATE	BY
NOTE BOOK	ALIGNED CHECKED		
NO.	FILE NAME		

PROFILE	REVISIONS	DATE	BY
NOTE BOOK	GRADES CHECKED		
NO.	STRUCTURE NOTATIONS CHKD		

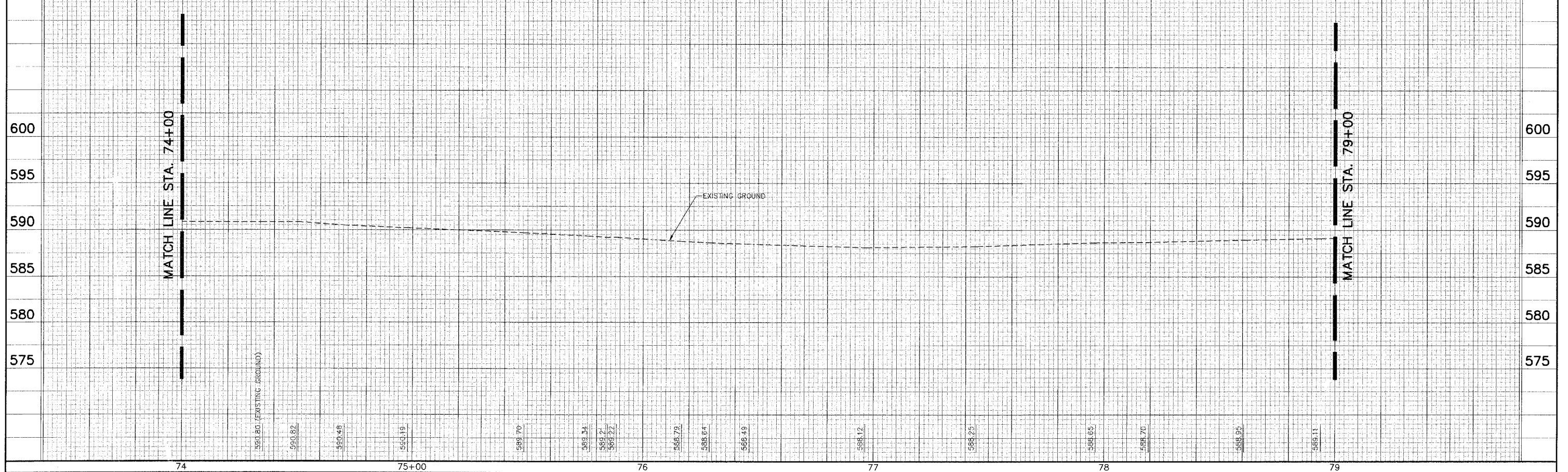


REVISIONS	DATE	BY

**GREENE & BRADFORD, INC.**  
 OF SPRINGFIELD  
 CONSULTING ENGINEERS  
 3001 CONSTITUTION DRIVE  
 SPRINGFIELD, ILLINOIS 62707  
 (217) 793-8044 (217) 793-9227 FAX

COMPUTER FILE NO.  
 99391PP14 - 20

PROJECT:  
 99-391



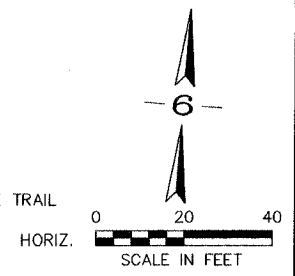
F.A. RTE.	SECTION	CITY	TOTAL SHEETS	SHEET NO.
*	***	SPRINGFIELD	34	15
STA. 79+00		TO STA. 84+00		
		ILLINOIS	FED. AID PROJECT	**

**CURVE DATA** (4)

PI STA. = 85+05.67  
 $\Delta$  = 56°28'44" RIGHT  
 D = 10°00'00"  
 R = 572.96'  
 T = 307.73'  
 L = 564.79'  
 C = 542.20'  
 PC STA. = 81+97.94  
 PT STA. = 87+62.73

**LEGEND**

- BIKE TRAIL
- PROPOSED 6' & VARIABLE PERMANENT EASEMENT
- TREE REMOVAL
- PRELIMINARY SURVEY POINTS



BENCHMARK: RAILROAD SPIKE IN POWER POLE (TBM #1162) STA. 79+11.15 - 51.58' RT. ELEVATION = 590.65

REVISIONS	DATE	BY

**GREENE & BRADFORD, INC.**  
 OF SPRINGFIELD  
 CONSULTING ENGINEERS  
 3801 CONSTITUTION DRIVE  
 SPRINGFIELD, ILLINOIS 62707  
 (217) 793-8844, (217) 793-6222 FAX

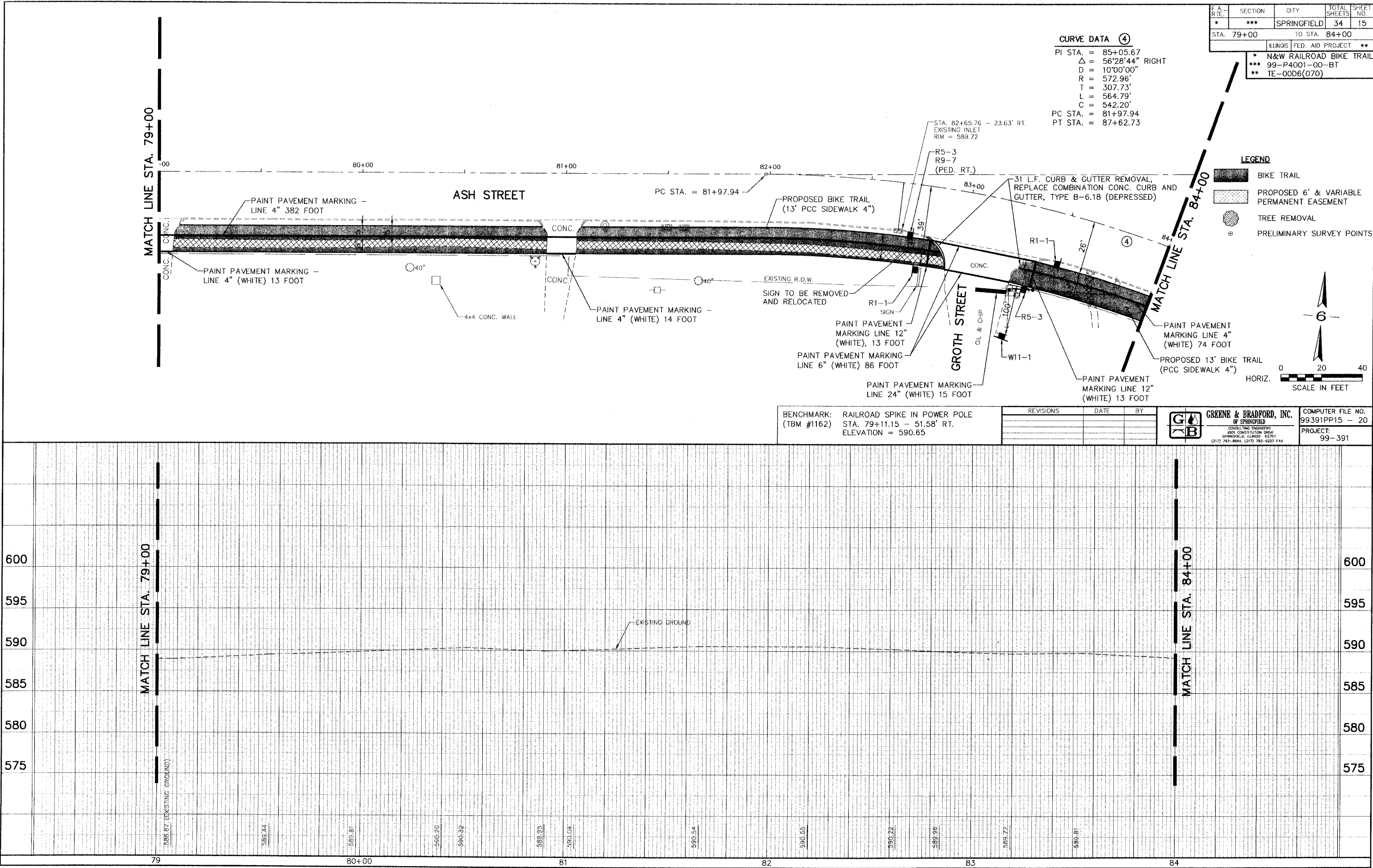
COMPUTER FILE NO. 99391PP15 - 20  
 PROJECT: 99-391

**PLAN**

SURVEYED	DATE
PLOTTED	
CHECKED	
BY	
NO.	

**PROFILE**

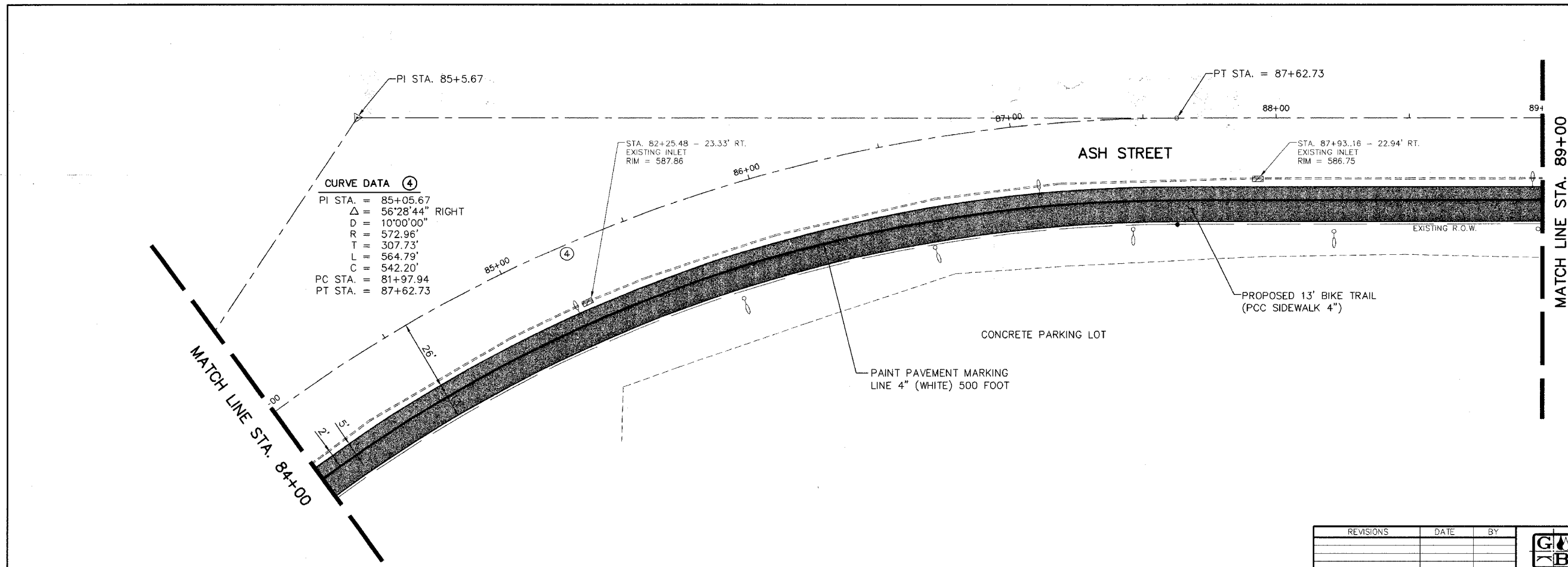
SURVEYED	DATE
PLOTTED	
CHECKED	
BY	
NO.	



PLAN	REVISIONS	BY	DATE
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NO.	NO.		

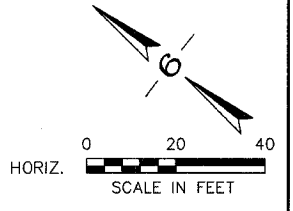
PROFILE	REVISIONS	BY	DATE
NO.	NO.		
NO.	NO.		
NO.	NO.		
NO.	NO.		
NO.	NO.		
NO.	NO.		
NO.	NO.		
NO.	NO.		
NO.	NO.		

F.A. R.T.E.	SECTION	CITY	TOTAL SHEETS	SHEET NO.
*	***	SPRINGFIELD	34	16
STA. 84+00		TO STA. 89+00		
ILLINOIS FED. AID PROJECT **				
* N&W RAILROAD BIKE TRAIL				
*** 99-P4001-00-BT				
** TE-00D6(070)				



**LEGEND**

- BIKE TRAIL
- PROPOSED 6' & VARIABLE PERMANENT EASEMENT
- TREE REMOVAL
- PRELIMINARY SURVEY POINTS

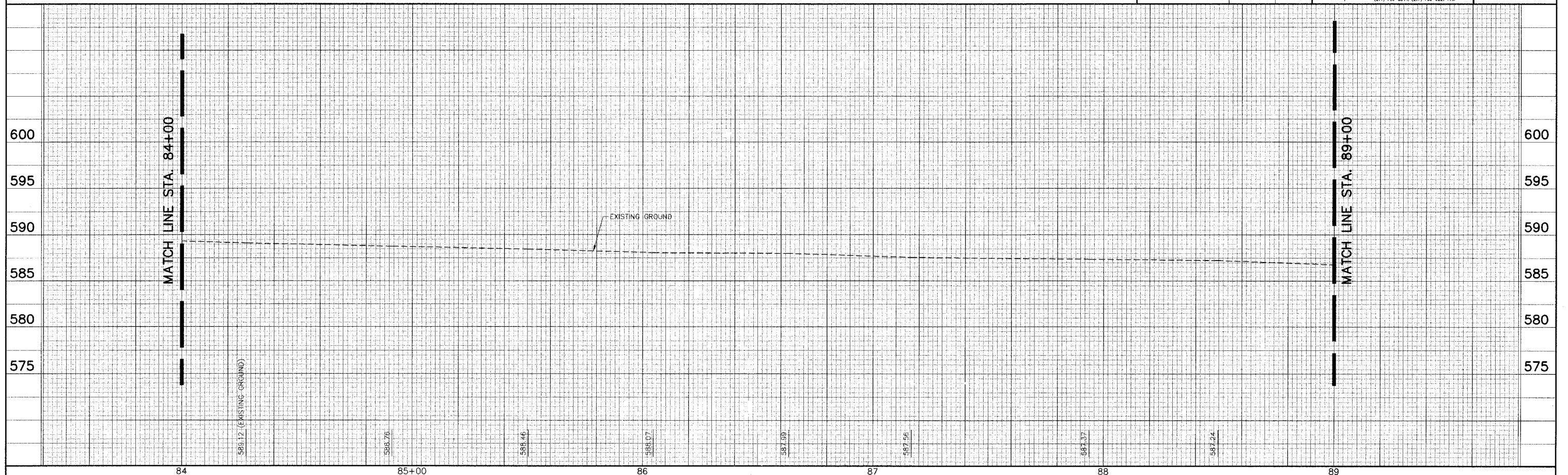


REVISIONS	DATE	BY

**GREENE & BRADFORD, INC.**  
 OF SPRINGFIELD  
 CONSULTING ENGINEERS  
 3501 CONSTITUTION DRIVE  
 SPRINGFIELD, ILLINOIS 62709  
 (217) 793-8844, (217) 793-6227 FAX

COMPUTER FILE NO.  
 99391PP16 - 20

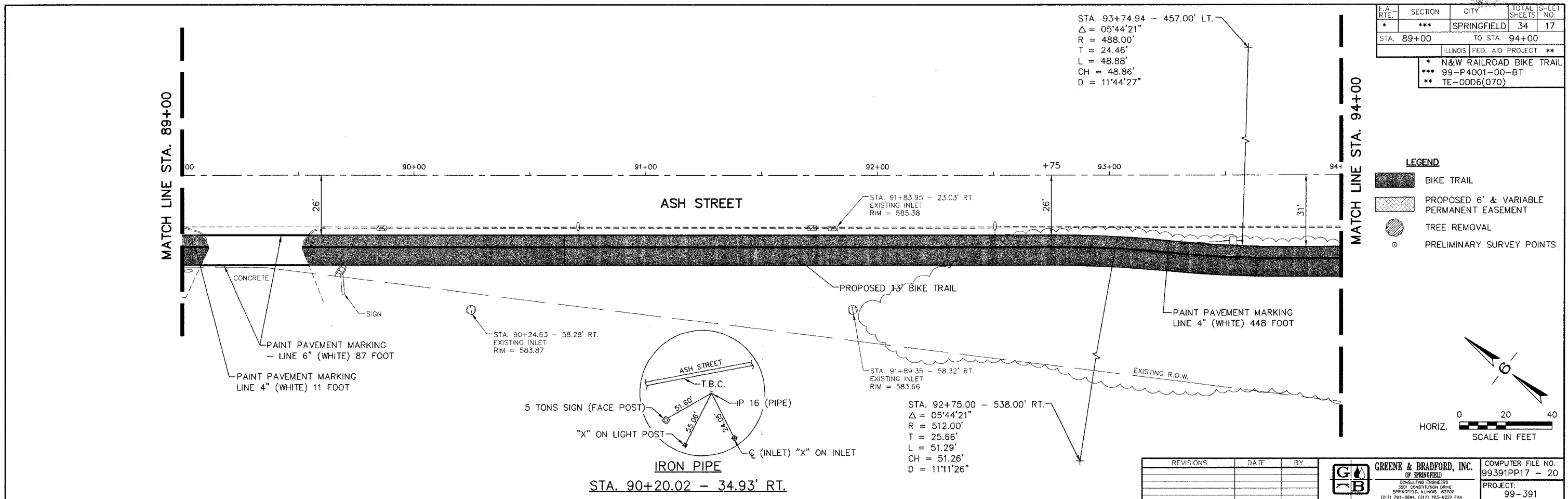
PROJECT:  
 99-391





PLAN	SURVEYED	DATE
	PLOTTED	BY
	NOTED	
	NO. _____	
	DATE _____	

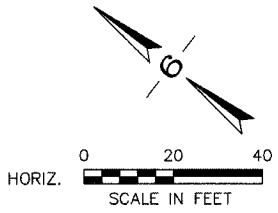
PROFILE	SURVEYED	DATE
	PLOTTED	BY
	NOTED	
	NO. _____	
	DATE _____	



F.A. RTE.	SECTION	CITY	TOTAL SHEETS	SHEET NO.
*	***	SPRINGFIELD	34	17
STA. 89+00		TO STA. 94+00		
ILLINOIS FED. AID PROJECT **				
* N&W RAILROAD BIKE TRAIL				
*** 99-P4001-00-BT				
** TE-00D6(070)				

**LEGEND**

- BIKE TRAIL
- PROPOSED 6' & VARIABLE PERMANENT EASEMENT
- TREE REMOVAL
- PRELIMINARY SURVEY POINTS



REVISIONS	DATE	BY

**GREENE & BRADFORD, INC.**  
 OF SPRINGFIELD  
 CONSULTING ENGINEERS  
 3501 CONSTITUTION DRIVE  
 SPRINGFIELD, ILLINOIS 62707  
 (317) 793-8844, (317) 793-8227 FAX

COMPUTER FILE NO.  
99391PP17 - 20

PROJECT:  
99-391



F.A. RTE.	SECTION	CITY	TOTAL SHEETS	SHEET NO.
*	***	SPRINGFIELD	34	18
STA. 94+00		TO STA. 99+00		

ILLINOIS FED. AID PROJECT  
 \* N&W RAILROAD BIKE TRAIL  
 \*\*\* 99-P4001-00-BT  
 \*\* TE-0006(070)

**LEGEND**

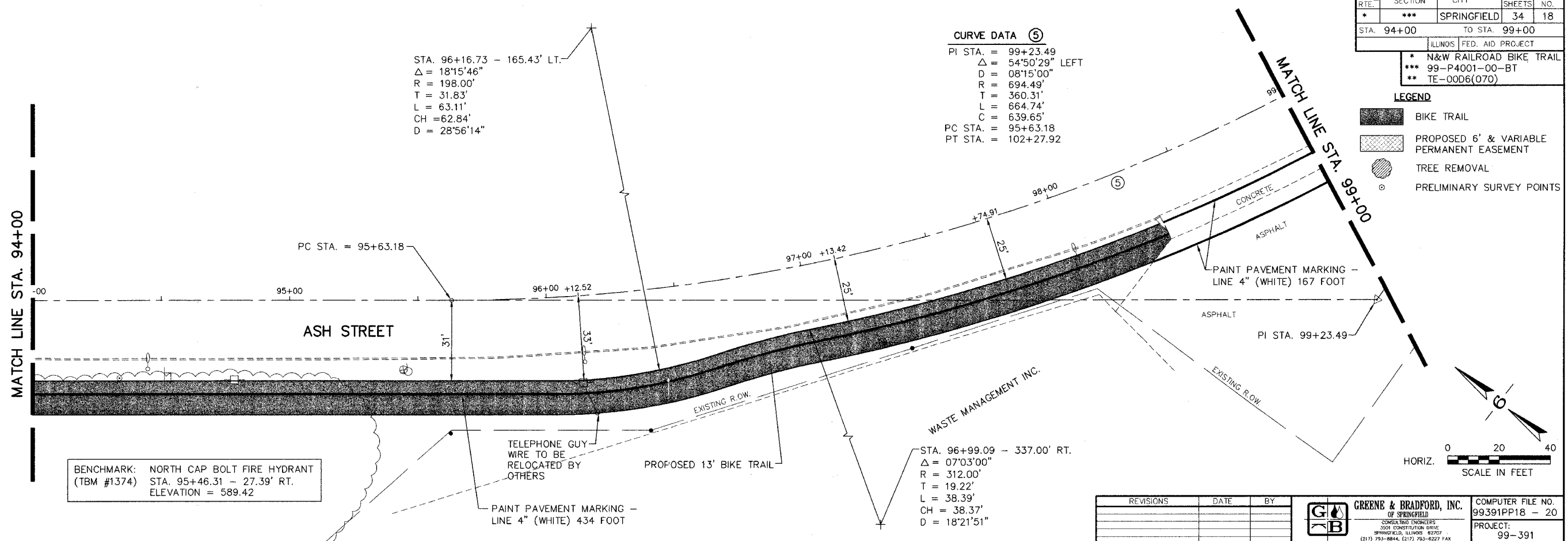
- BIKE TRAIL
- PROPOSED 6' & VARIABLE PERMANENT EASEMENT
- TREE REMOVAL
- PRELIMINARY SURVEY POINTS

**CURVE DATA (S)**

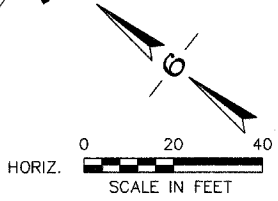
PI STA. = 99+23.49  
 $\Delta = 54^{\circ}50'29"$  LEFT  
 D = 08'15"00"  
 R = 694.49'  
 T = 360.31'  
 L = 664.74'  
 C = 639.65'  
 PC STA. = 95+63.18  
 PT STA. = 102+27.92

STA. 96+16.73 - 165.43' LT.  
 $\Delta = 18^{\circ}15'46"$   
 R = 198.00'  
 T = 31.83'  
 L = 63.11'  
 CH = 62.84'  
 D = 28^{\circ}56'14"

STA. 96+99.09 - 337.00' RT.  
 $\Delta = 07^{\circ}03'00"$   
 R = 312.00'  
 T = 19.22'  
 L = 38.39'  
 CH = 38.37'  
 D = 18^{\circ}21'51"



BENCHMARK: NORTH CAP BOLT FIRE HYDRANT (TBM #1374)  
 STA. 95+46.31 - 27.39' RT.  
 ELEVATION = 589.42



REVISIONS	DATE	BY

**GREENE & BRADFORD, INC.**  
 OF SPRINGFIELD  
 CONSULTING ENGINEERS  
 5501 CONSTITUTION AVENUE  
 SPRINGFIELD, ILLINOIS 62707  
 (217) 793-8844, (217) 793-8227 FAX

COMPUTER FILE NO. 99391PP18 - 20  
 PROJECT: 99-391

**PLAN**

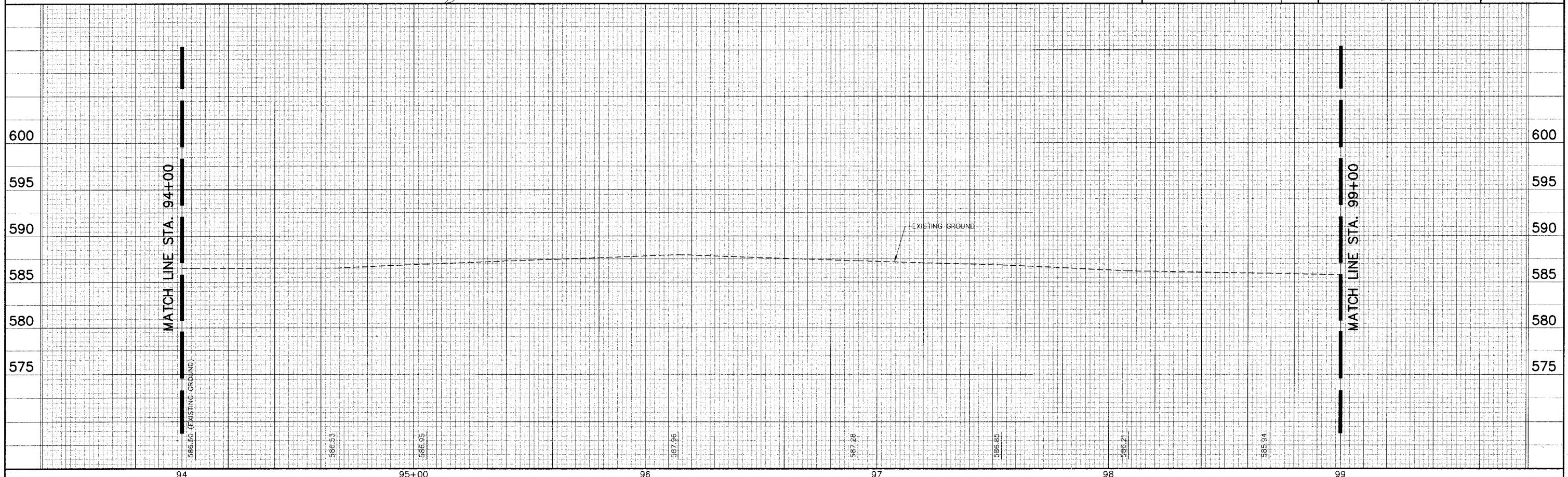
DATE	BY

SAVED BY: \_\_\_\_\_  
 PLAN NO.: \_\_\_\_\_  
 DATE: \_\_\_\_\_  
 BY: \_\_\_\_\_  
 CHECKED BY: \_\_\_\_\_  
 DATE: \_\_\_\_\_  
 FILE NAME: \_\_\_\_\_

**PROFILE**

DATE	BY

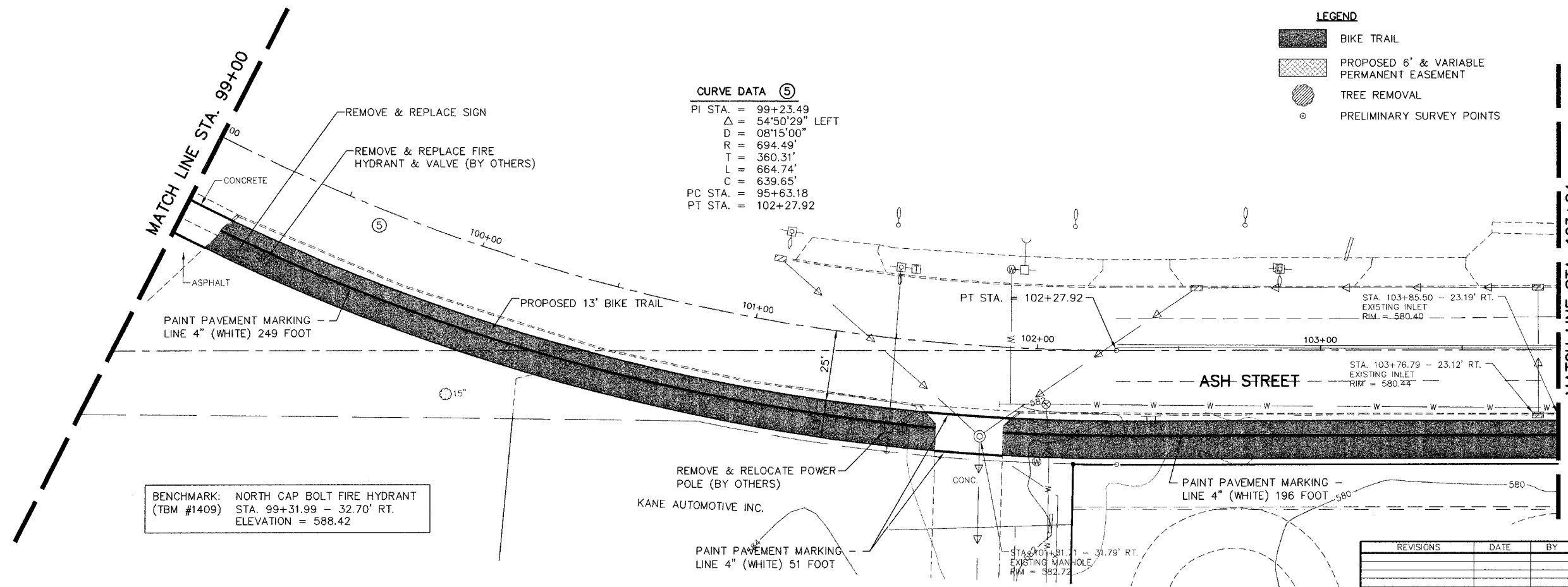
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 DATE: \_\_\_\_\_  
 BY: \_\_\_\_\_  
 CHECKED BY: \_\_\_\_\_  
 DATE: \_\_\_\_\_  
 FILE NAME: \_\_\_\_\_



F.A. RTE.	SECTION	CITY	TOTAL SHEETS	SHEET NO.
*	***	SPRINGFIELD	34	19
STA. 99+00		TO STA. 104+00		
ILLINOIS FED. AID PROJECT				
* N&W RAILROAD BIKE TRAIL				
*** 99-P4001-00-BT				
** TE-00D6(070)				

- LEGEND**
- BIKE TRAIL
  - PROPOSED 6' & VARIABLE PERMANENT EASEMENT
  - TREE REMOVAL
  - PRELIMINARY SURVEY POINTS

**CURVE DATA ⑤**  
 PI STA. = 99+23.49  
 $\Delta$  = 54°50'29" LEFT  
 D = 08°15'00"  
 R = 694.49'  
 T = 360.31'  
 L = 664.74'  
 C = 639.65'  
 PC STA. = 95+63.18  
 PT STA. = 102+27.92



BENCHMARK: NORTH CAP BOLT FIRE HYDRANT (TBM #1409)  
 STA. 99+31.99 - 32.70' RT.  
 ELEVATION = 588.42

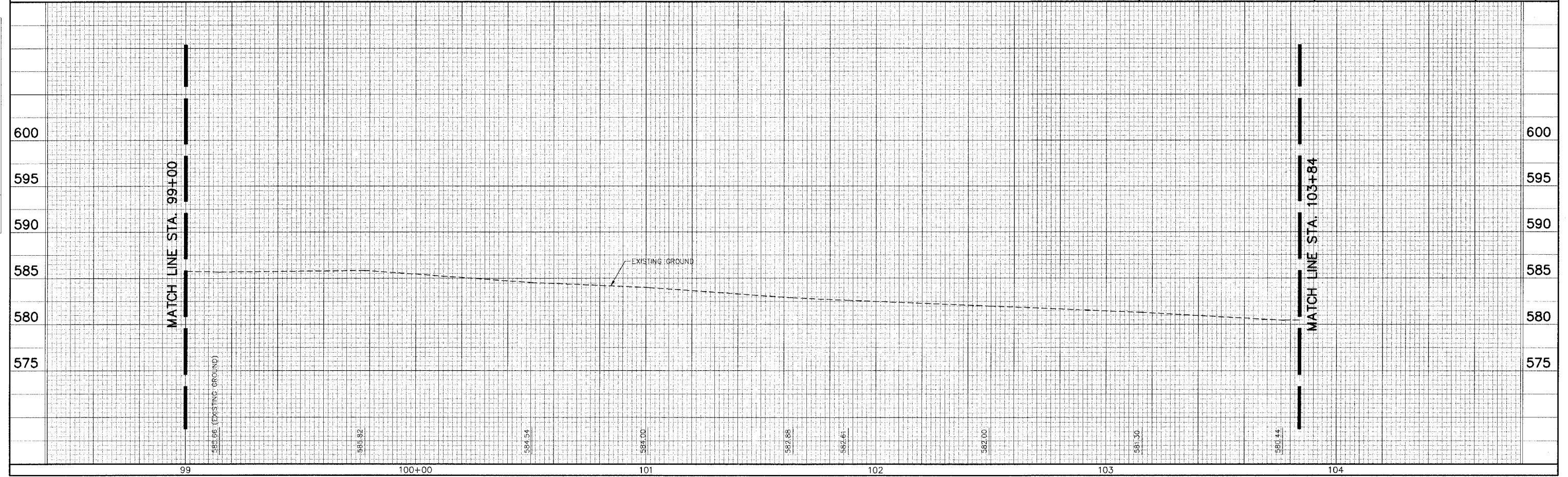
REVISIONS	DATE	BY

**GREENE & BRADFORD, INC. OF SPRINGFIELD**  
 CONSULTING ENGINEERS  
 3500 CONSTITUTION DRIVE  
 SPRINGFIELD, ILLINOIS 62719  
 (217) 793-8844, (217) 793-8227 FAX

COMPUTER FILE NO. 99391PP19 - 20  
 PROJECT: 99-391

PLAN	SURVEYED	DATE
NOTE BOOK	ALIGNED	BY
NO.	PT. OF WAY CHECKED	
	PAID FILE NAME	

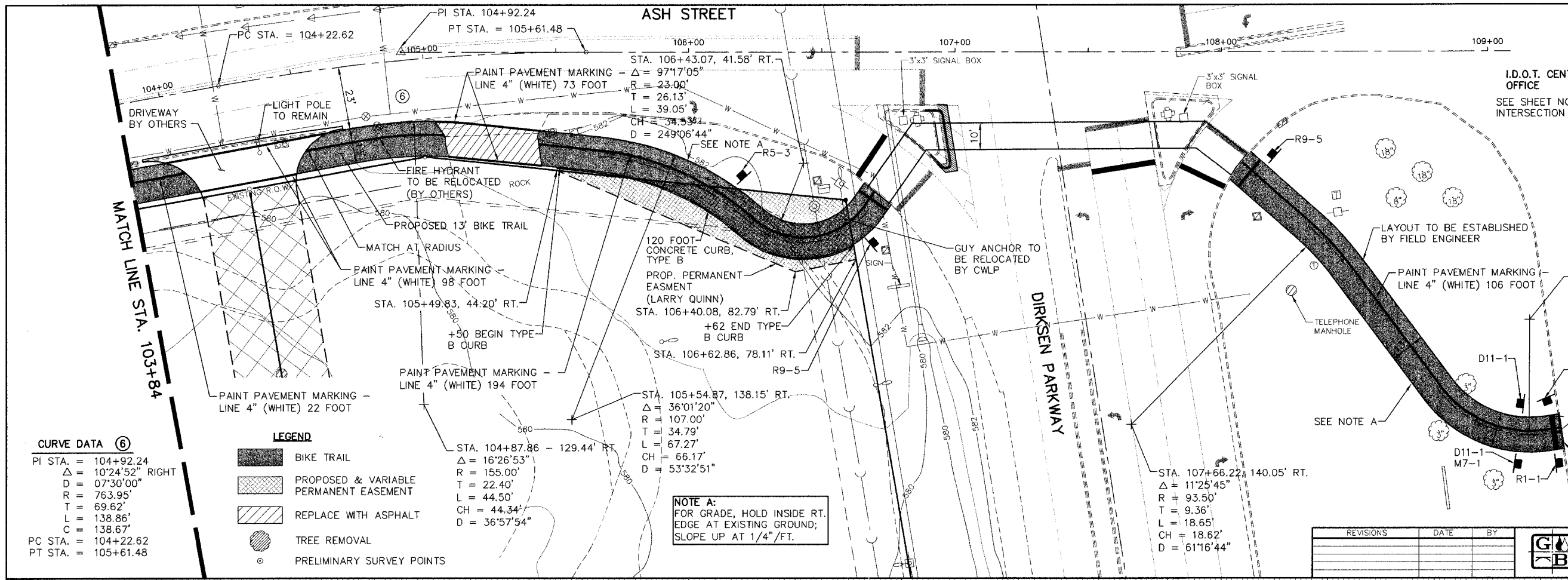
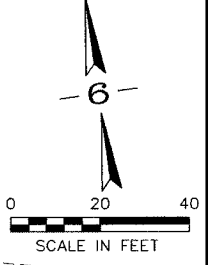
PROF. FILE	SURVEYED	DATE
NOTE BOOK	GRADES CHECKED	BY
NO.	STRUCTURE NOTATION	





F.A. RTE.	SECTION	CITY	TOTAL SHEETS	SHEET NO.
*	***	SPRINGFIELD	34	20
STA. 104+00		TO STA. 108+00		

I.D.O.T. CENTRAL OFFICE  
 SEE SHEET NO. 22 INTERSECTION DETAILS  
 \* N&W RAILROAD BIKE TRAIL  
 \*\*\* 99-P4001-00-BT  
 \*\* TE-0006(070)



**CURVE DATA ⑥**

PI STA. =	104+92.24
Δ =	10°24'52" RIGHT
D =	07°30'00"
R =	763.95'
T =	69.62'
L =	138.86'
C =	138.67'
PC STA. =	104+22.62
PT STA. =	105+61.48

- LEGEND**
- BIKE TRAIL
  - PROPOSED & VARIABLE PERMANENT EASEMENT
  - REPLACE WITH ASPHALT
  - TREE REMOVAL
  - PRELIMINARY SURVEY POINTS

**NOTE A:**  
 FOR GRADE, HOLD INSIDE RT. EDGE AT EXISTING GROUND; SLOPE UP AT 1/4"/FT.

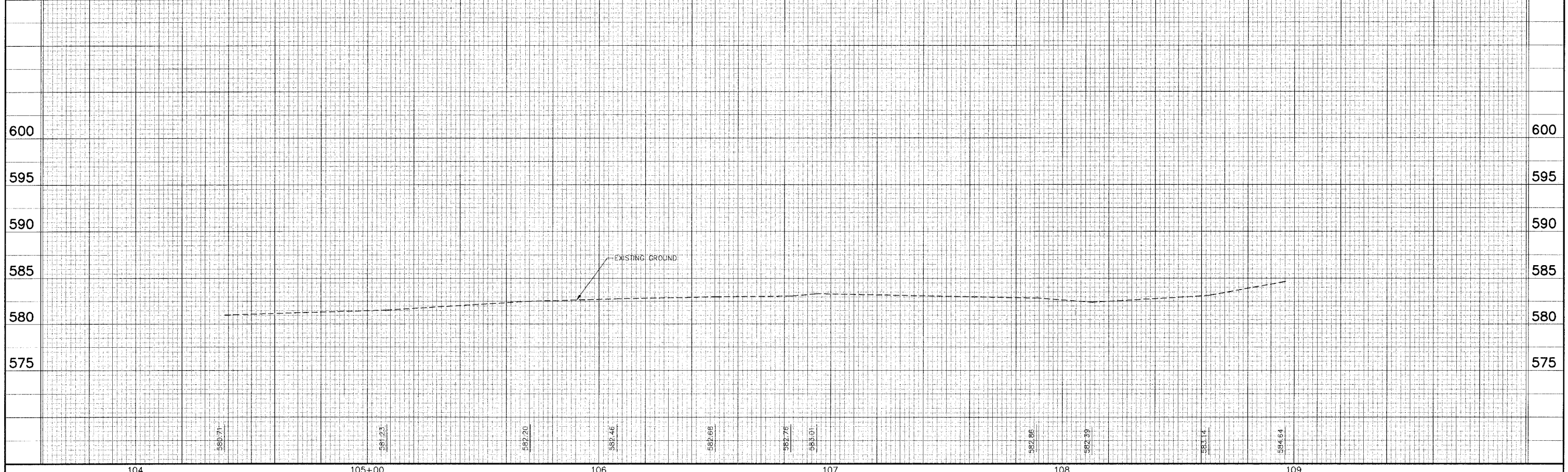
REVISIONS	DATE	BY

**GREENE & BRADFORD, INC.**  
 OF SPRINGFIELD  
 CONSULTING ENGINEERS  
 3041 CONSTITUTION DRIVE  
 SPRINGFIELD, ILLINOIS 62707  
 (217) 793-8844, (217) 793-8227 FAX

COMPUTER FILE NO. 99391PP20A -20  
 PROJECT: 99-391

DATE	
BY	
REVISIONS	
PLANNED	
NOTED	
NOTED	
NO.	

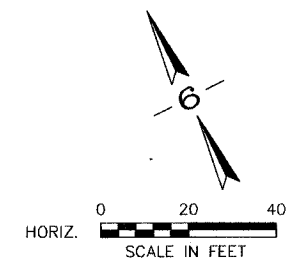
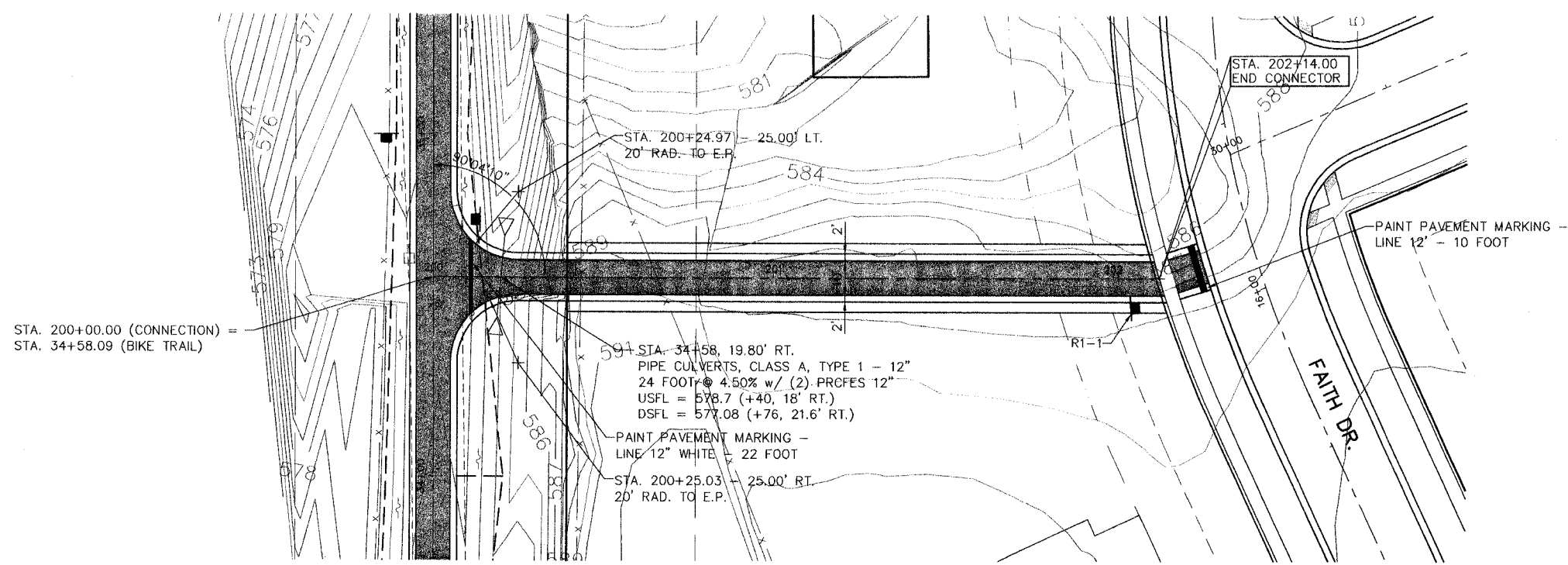
DATE	
BY	
REVISIONS	
PLANNED	
NOTED	
NOTED	
NO.	



93404

F.A. R.T.E.	SECTION	CITY	TOTAL SHEETS	SHEET NO.
*	***	SPRINGFIELD	34	21
STA. 200+00		TO STA. 202+14		
ILLINOIS FED. AID PROJECT **				
* N&W RAILROAD BIKE TRAIL				
*** 99-P4001-00-BT				
** TE-00D6(070)				

PLAN SURVEYED BY: DATE: \_\_\_\_\_  
 ADJUSTED BY: \_\_\_\_\_  
 NOTE BOOK NO. \_\_\_\_\_  
 FIELD FILE NAME \_\_\_\_\_



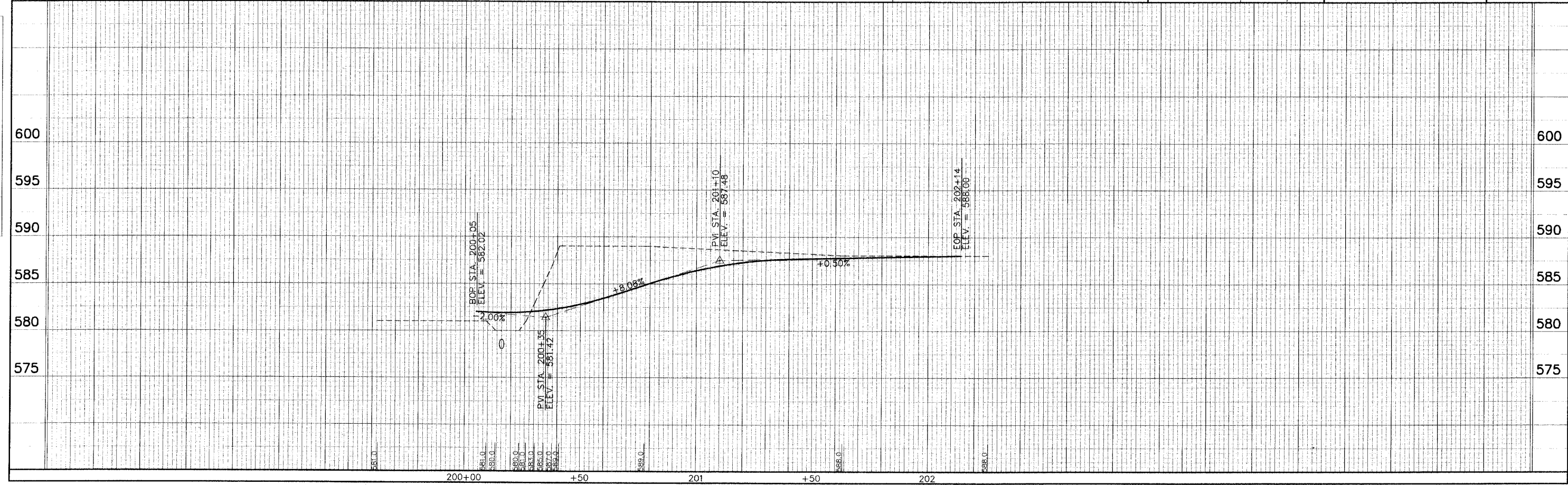
BENCHMARK: RAILROAD SPIKE IN POWER POLE (TBM #803) STA. 59+56.14 - 58.91' LT. ELEVATION = 586.78

REVISIONS	DATE	BY

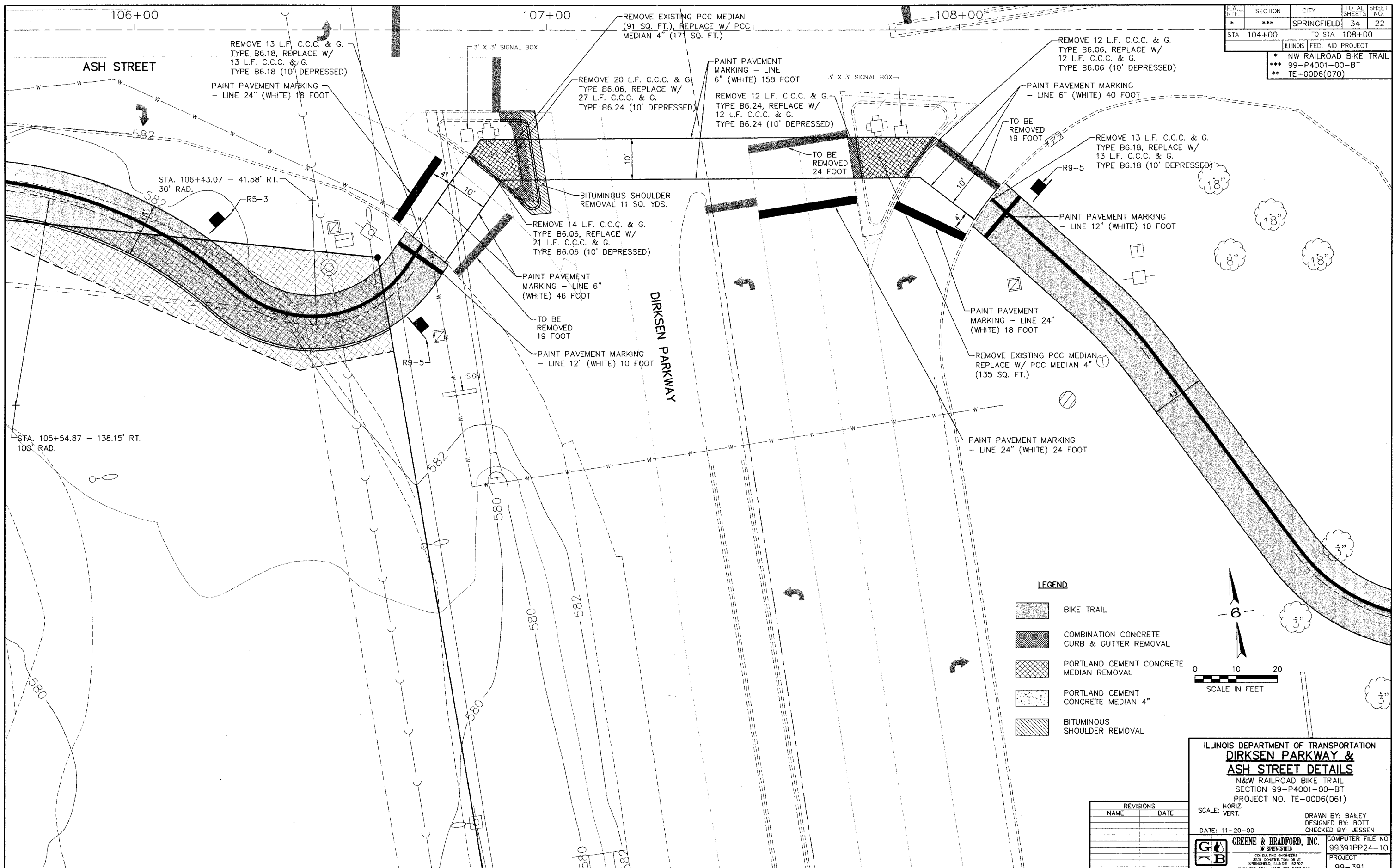
**GREENE & BRADFORD, INC.**  
 OF SPRINGFIELD  
 CONSULTING ENGINEERS  
 3301 CONSTITUTION DRIVE  
 SPRINGFIELD, ILLINOIS 62707  
 (217) 783-8844, (217) 783-6227 FAX

COMPUTER FILE NO. 99391PP26 - 20  
 PROJECT: 99-391

PROF. FILE SURVEYED BY: DATE: \_\_\_\_\_  
 GRADES CHECKED BY: \_\_\_\_\_  
 NOTE BOOK NO. \_\_\_\_\_  
 STRUCTURE NOTATION: OPRD \_\_\_\_\_



F.A. RTE.	SECTION	CITY	TOTAL SHEETS	SHEET NO.
*	***	SPRINGFIELD	34	22
STA. 104+00		TO STA. 108+00		
ILLINOIS FED. AID PROJECT				
* NW RAILROAD BIKE TRAIL				
*** 99-P4001-00-BT				
** TE-00D6(070)				



PLAN	SURVEYED	DATE
NOTE BOOK NO.	PLOTTED	BY
	REVISIONS CHECKED	
	BY	
	DATE	
	BY	
	DATE	

PROFILE	SURVEYED	DATE
NOTE BOOK NO.	PLOTTED	BY
	REVISIONS CHECKED	
	BY	
	DATE	
	BY	
	DATE	

**LEGEND**

- BIKE TRAIL
- COMBINATION CONCRETE CURB & GUTTER REMOVAL
- PORTLAND CEMENT CONCRETE MEDIAN REMOVAL
- PORTLAND CEMENT CONCRETE MEDIAN 4"
- BITUMINOUS SHOULDER REMOVAL

6

0 10 20

SCALE IN FEET

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**DIRKSEN PARKWAY & ASH STREET DETAILS**  
 N&W RAILROAD BIKE TRAIL  
 SECTION 99-P4001-00-BT  
 PROJECT NO. TE-00D6(061)

SCALE: HORIZ.  
 VERT.

DATE: 11-20-00

DRAWN BY: BAILEY  
 DESIGNED BY: BOTT  
 CHECKED BY: JESSEN

COMPUTER FILE NO. 99391PP24-10  
 PROJECT 99-391

REVISIONS	
NAME	DATE

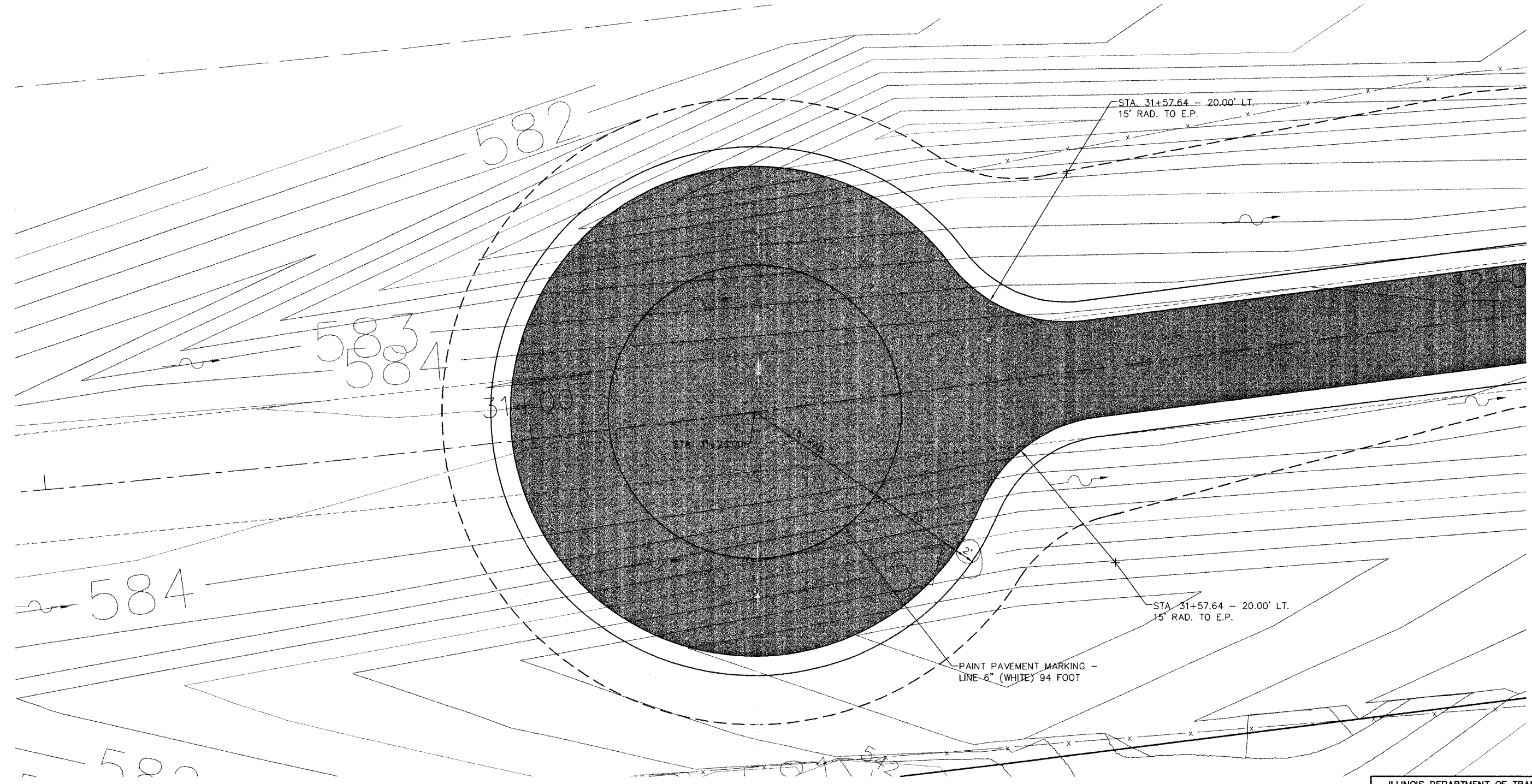


99391

F.A. RTE.	SECTION	CITY	TOTAL SHEETS	SHEET NO.
*	***	SPRINGFIELD	34	23
STA. -		TO STA. -		
ILLINOIS FED. AID PROJECT				
* N&W RAILROAD BIKE TRAIL				
** 99-P4001-00-BT				
** TE-0006(070)				

PLAN	DATE
BY	
NO. 1	
NO. 2	
NO. 3	
NO. 4	
NO. 5	
NO. 6	
NO. 7	
NO. 8	
NO. 9	
NO. 10	

PROFILE	DATE
BY	
NO. 1	
NO. 2	
NO. 3	
NO. 4	
NO. 5	
NO. 6	
NO. 7	
NO. 8	
NO. 9	
NO. 10	



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**TURN AROUND**  
**DETAIL**  
 N&W RAILROAD BIKE TRAIL  
 SECTION 99-P4001-00-BT  
 PROJECT NO. TE-0006(061)

SCALE: HORIZ. \_\_\_\_\_  
 VERT. \_\_\_\_\_

DATE: 11-20-00

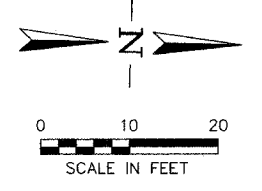
DRAWN BY: BAILEY  
 DESIGNED BY: BOTT  
 CHECKED BY: JESSEN

**GREENE & BRADFORD, INC.**  
 OF SPRINGFIELD  
 CONSULTING ENGINEERS  
 3501 CONSTITUTION DRIVE  
 SPRINGFIELD, ILLINOIS 62707  
 (217) 793-8844, (217) 793-8227 FAX

COMPUTER FILE NO.  
 99391TURN-5  
 PROJECT  
 99-391

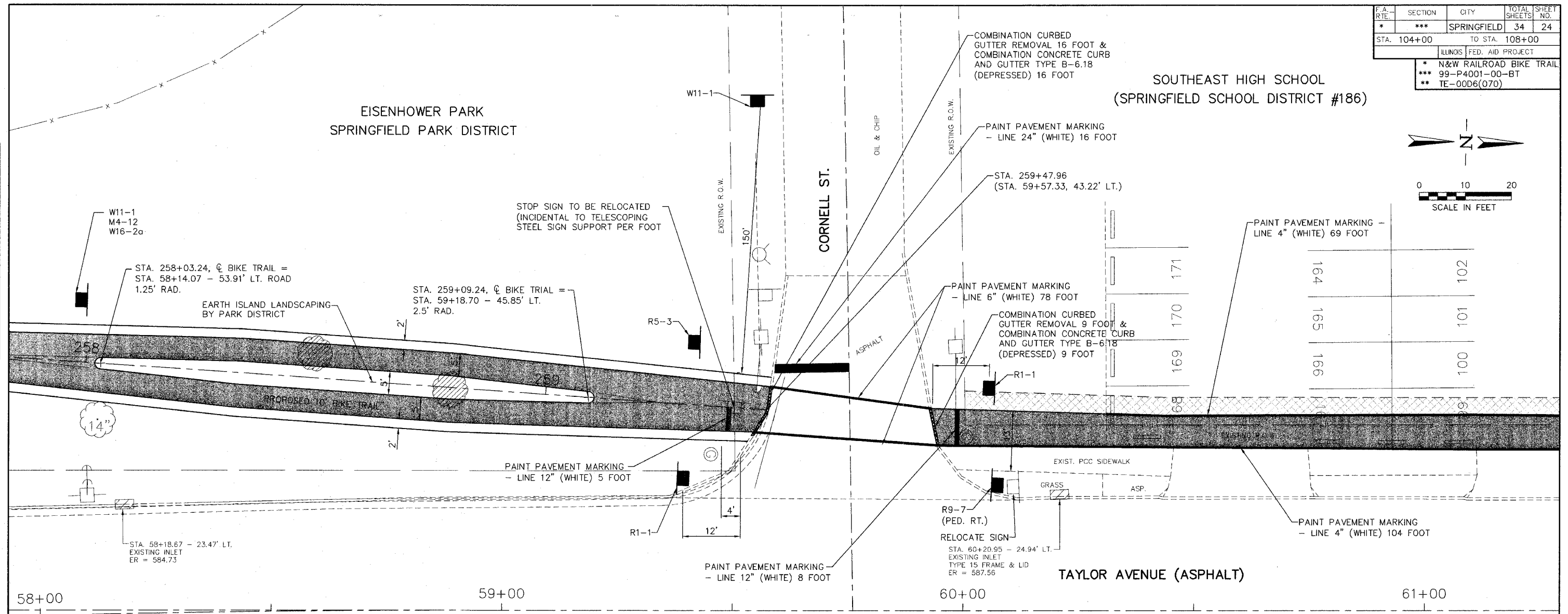
F.A. RTE.	SECTION	CITY	TOTAL SHEETS	SHEET NO.
*	***	SPRINGFIELD	34	24
STA. 104+00 TO STA. 108+00			ILLINOIS FED. AID PROJECT	
* N&W RAILROAD BIKE TRAIL				
** 99-P4001-00-BT				
** TE-00D6(070)				

SOUTHEAST HIGH SCHOOL  
(SPRINGFIELD SCHOOL DISTRICT #186)



PLAN	DATE
BY	
DESIGNED	
CHECKED	
DATE	
NO.	

PROFILE	DATE
BY	
DESIGNED	
CHECKED	
DATE	
NO.	



171	102
170	101
169	100
166	
165	
164	

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**CORNELL STREET**  
DETAIL  
N&W RAILROAD BIKE TRAIL  
SECTION 99-P4001-00-BT  
PROJECT NO. TE-00D6(061)

SCALE: HORIZ. 1"=20'-0"  
VERT. 1"=10'-0"

DATE: 11-20-00

DRAWN BY: BAILEY  
DESIGNED BY: BOTT  
CHECKED BY: JESSEN

GREENE & BRADFORD, INC.  
CONSULTING ENGINEERS  
2601 CONSTITUTION DRIVE  
SPRINGFIELD, ILLINOIS 62707  
(217) 793-9844, (217) 793-6227 FAX

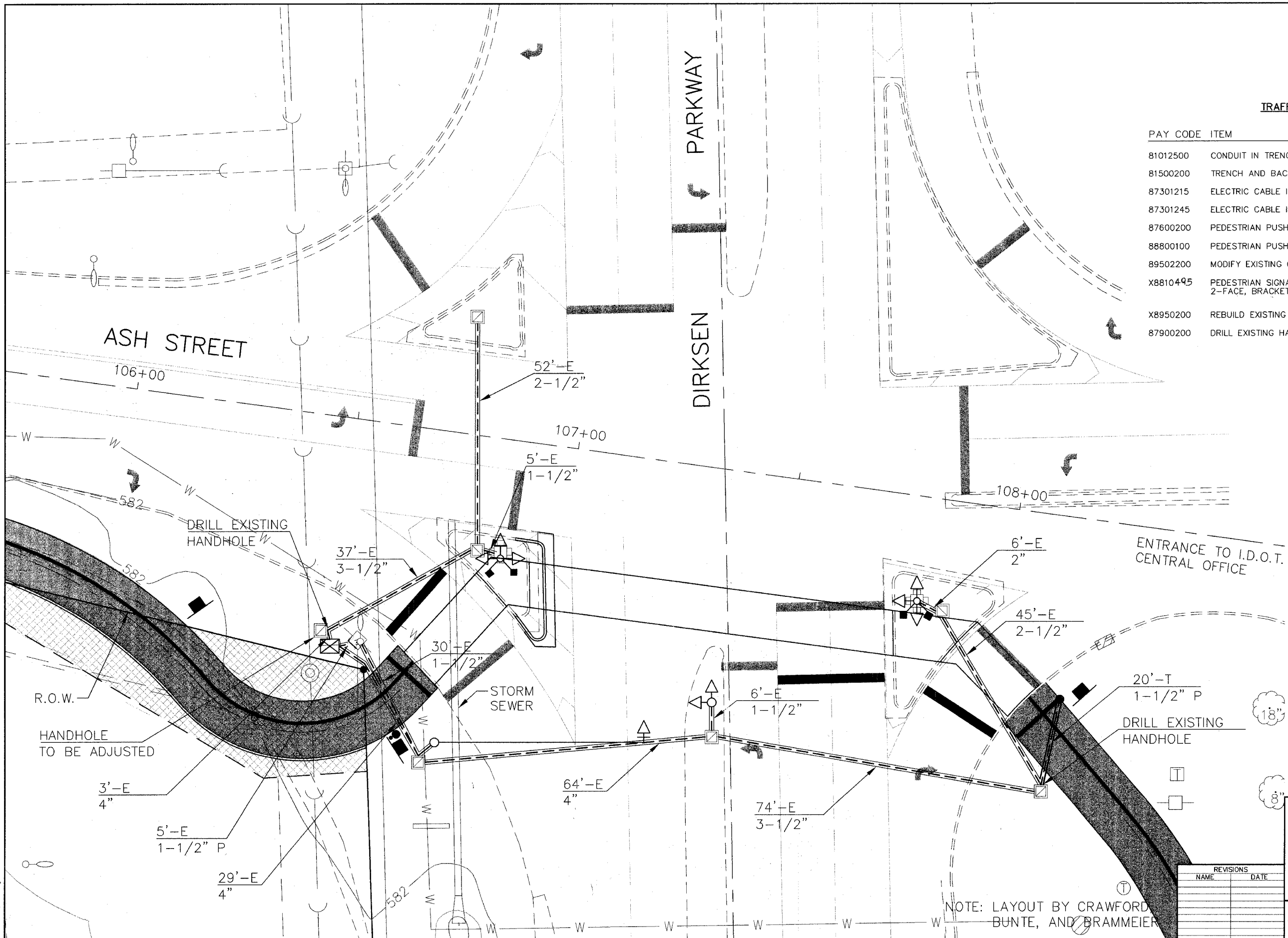
COMPUTER FILE NO.  
99391PP25-10  
PROJECT  
99-391

REVISIONS	
NAME	DATE

F.A. RTE.	SECTION	CITY	TOTAL SHEETS	SHEET NO.
*	***	SPRINGFIELD	34	25
STA. 100+00		TO STA. 106+00		**
ILLINOIS FED. AID PROJECT				
* N&W RAILROAD BIKE TRAIL				
*** 99-P4001-00-BT				
** TE-00D6(070)				

**TRAFFIC SIGNAL QUANTITIES**

PAY CODE	ITEM	QTY.	UNIT
81012500	CONDUIT IN TRENCH 1-1/2" DIA., PVC	27	FOOT
81500200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	27	FOOT
87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	240	FOOT
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	342	FOOT
87600200	PEDESTRIAN PUSH-BUTTON POST TYPE 2	2	EACH
88800100	PEDESTRIAN PUSH-BUTTON	2	EACH
89502200	MODIFY EXISTING CONTROLLER	1	EACH
X8810495	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED 2-FACE, BRACKET MOUNTED	2	EACH
X8950200	REBUILD EXISTING HANDHOLE	1	EACH
87900200	DRILL EXISTING HANDHOLE	2	EACH



DATE	BY
DATE	BY
DATE	BY

DATE	BY
DATE	BY
DATE	BY

Michael J. VORAWINGS\99391SD.dwg Mon, 01/16/2006 10:49am  
 Xref: 99391ALL.dwg

NOTE: LAYOUT BY CRAWFORD BUNTE, AND BRAMMEIER

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**SIGNAL DETAILS**  
 N&W RAILROAD BIKE TRAIL  
 SECTION 99-P4001-00-BT  
 PROJECT NO. TE-00D6(061)

SCALE: 1:20

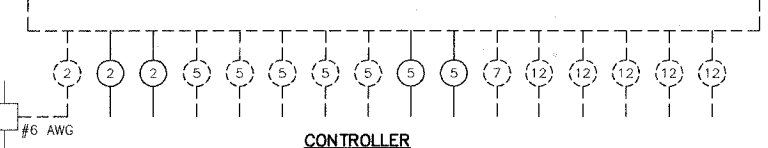
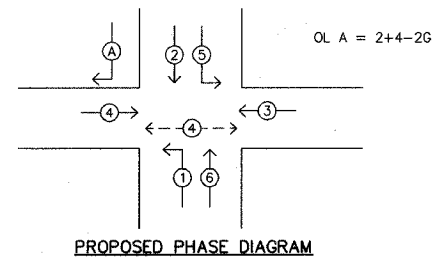
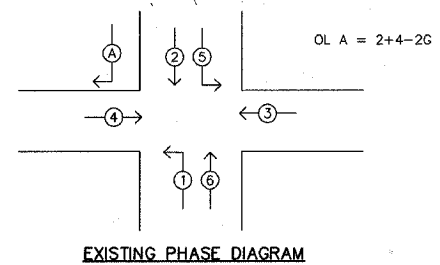
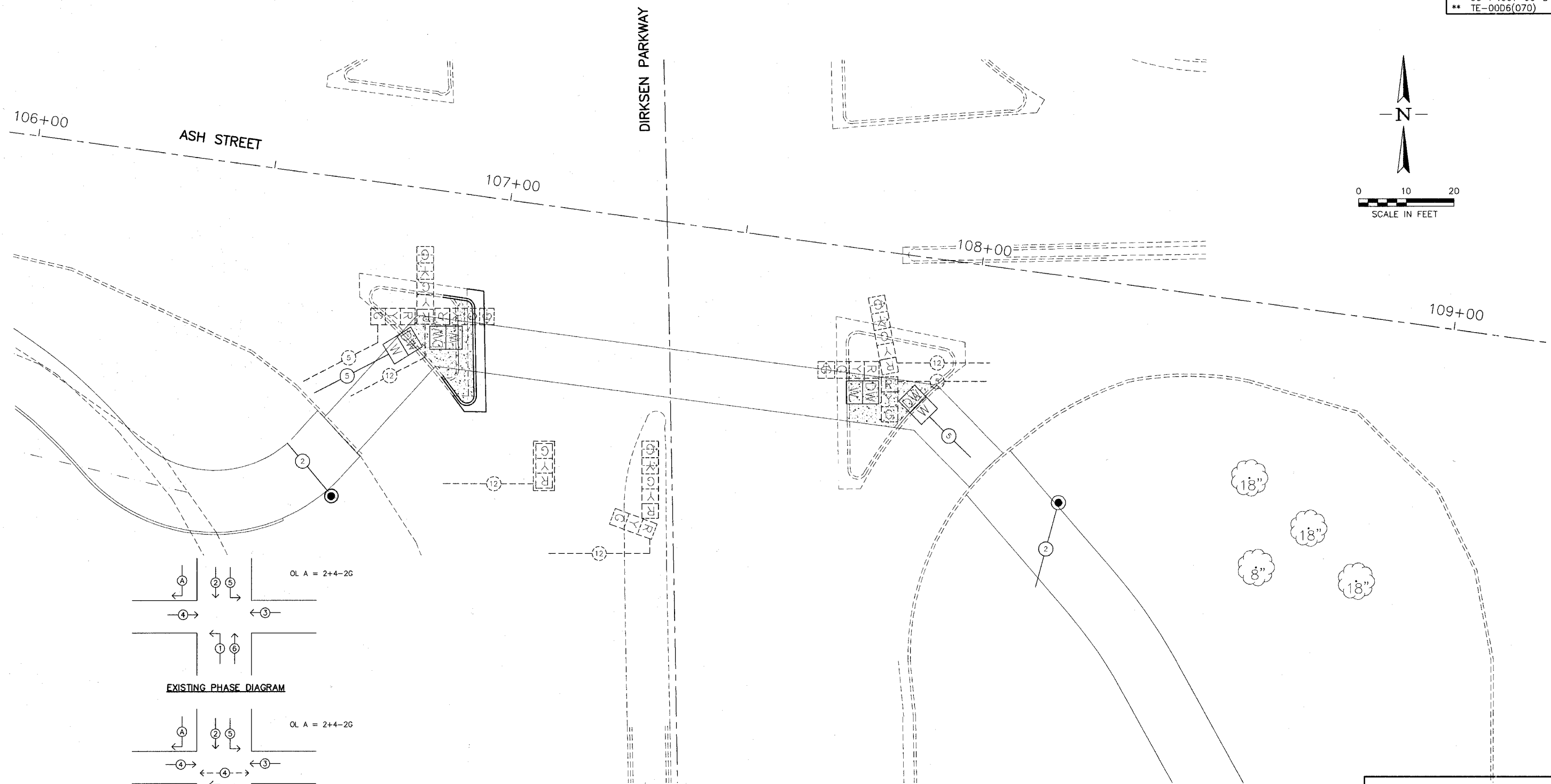
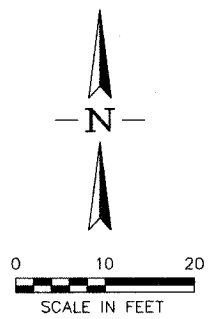
DATE: 12-02-02

DRAWN BY: MCGAVA  
 DESIGNED BY: BOTT  
 CHECKED BY: JESSEN

COMPUTER FILE NO. 99391SD - 10  
 PROJECT 99-391

GREENE & BRADFORD, INC.  
 OF SPRINGFIELD  
 CONSULTING ENGINEERS  
 3501 CONSTITUTION DRIVE  
 SPRINGFIELD, ILLINOIS 62707  
 (217) 785-8844, (217) 783-8227 FAX

F.A. RTE.	SECTION	CITY	TOTAL SHEETS	SHEET NO.
*	***	SPRINGFIELD	34	26
STA. 100+00		TO STA. 106+00		**
ILLINOIS		FED. AID PROJECT		
* N&W RAILROAD BIKE TRAIL				
*** 99-P4001-00-BT				
** TE-0006(070)				



PLAN	SURVEYED	DATE
	PLOTTED	
	NOTED	
	CHECKED	
	BY	
	DATE	

PROFILE	SURVEYED	DATE
	PLOTTED	
	NOTED	
	CHECKED	
	BY	
	DATE	

michiel J:\9939\DRAWINGS\99391PC.dwg Mod. 01/16/2005 10:49am  
Xref: 99391ALL.dwg

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**PROPOSED CABLE DIAGRAM**  
N&W RAILROAD BIKE TRAIL  
SECTION 99-P4001-00-BT  
PROJECT NO. TE-0006(061)

SCALE: 1:20

12-02-02

DRAWN BY: McGAVA  
DESIGNED BY: BOTT  
CHECKED BY: JESSEN

COMPUTER FILE NO  
99391PC - 10  
PROJECT  
99-391

REVISIONS	
NAME	DATE

**G&B** GREENE & BRADFORD, INC.  
OF SPRINGFIELD  
CONSULTING ENGINEERS  
3001 CONSTITUTION DRIVE  
SPRINGFIELD, ILLINOIS 62709  
(217) 783-8844, (217) 783-8227 FAX





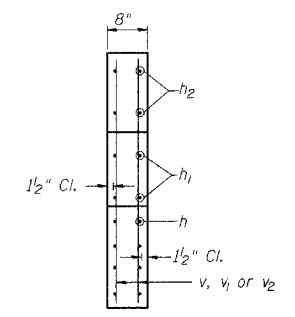
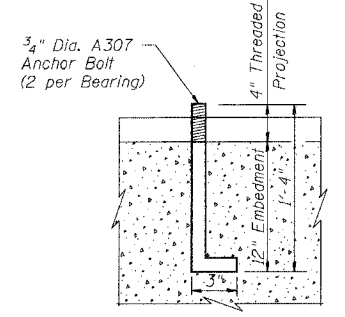
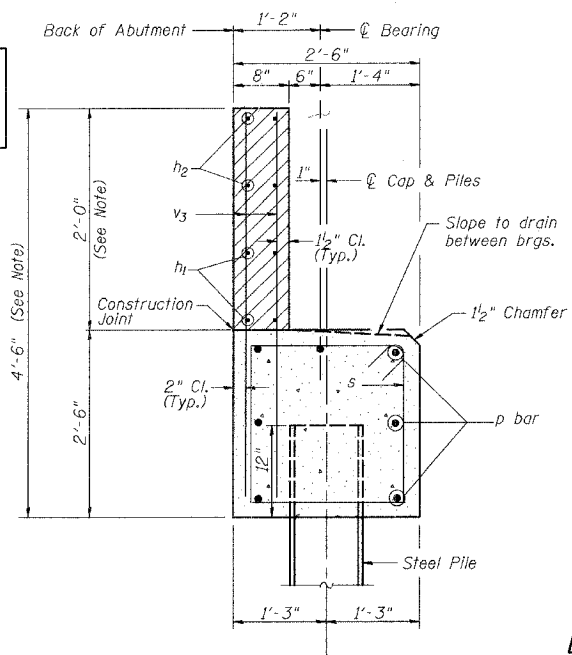
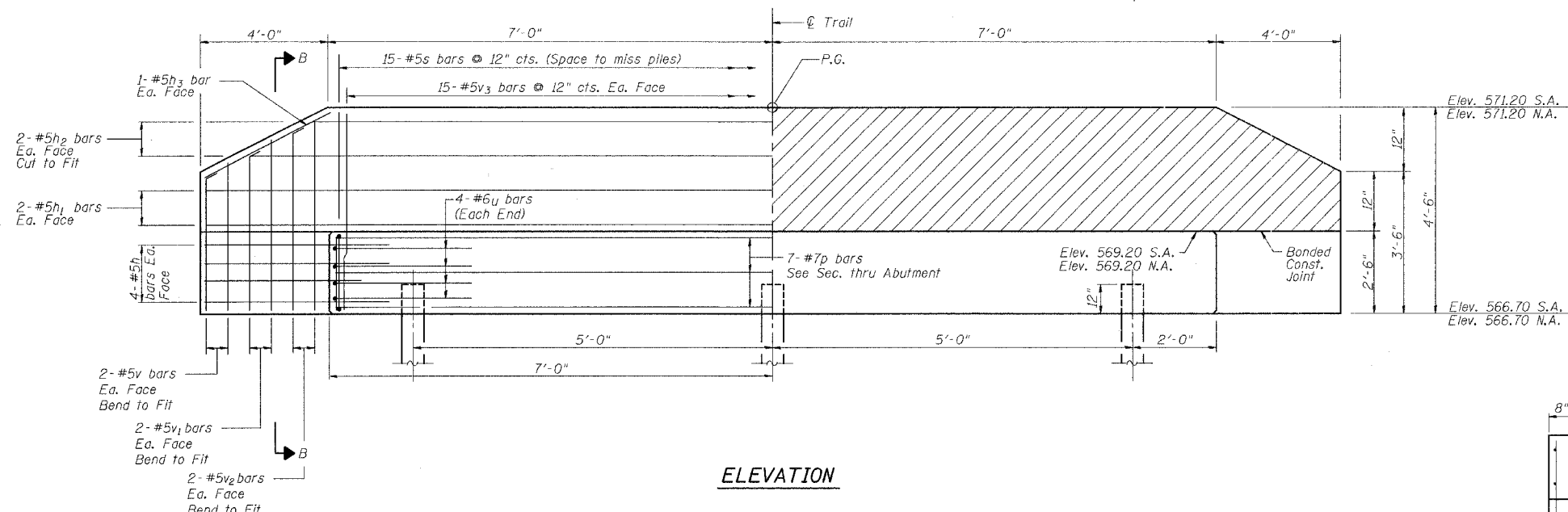


STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
BIKE TRAIL	****	SANGAMON	35	29
STA. TO STA.		ILLINOIS FED. AID PROJECT		
FED. ROAD DIST. NO.		***** 99-P4001-00BT TE-00D6(070)		

Note: Contractor shall verify this dimension with Pre-Fabricated Bridge supplier. (Hold Elevation 571.20 and adjust bearing seat elevation.)

Note: Hatched Area may be poured after bridge is set in place.



SECTION THRU ABUTMENT

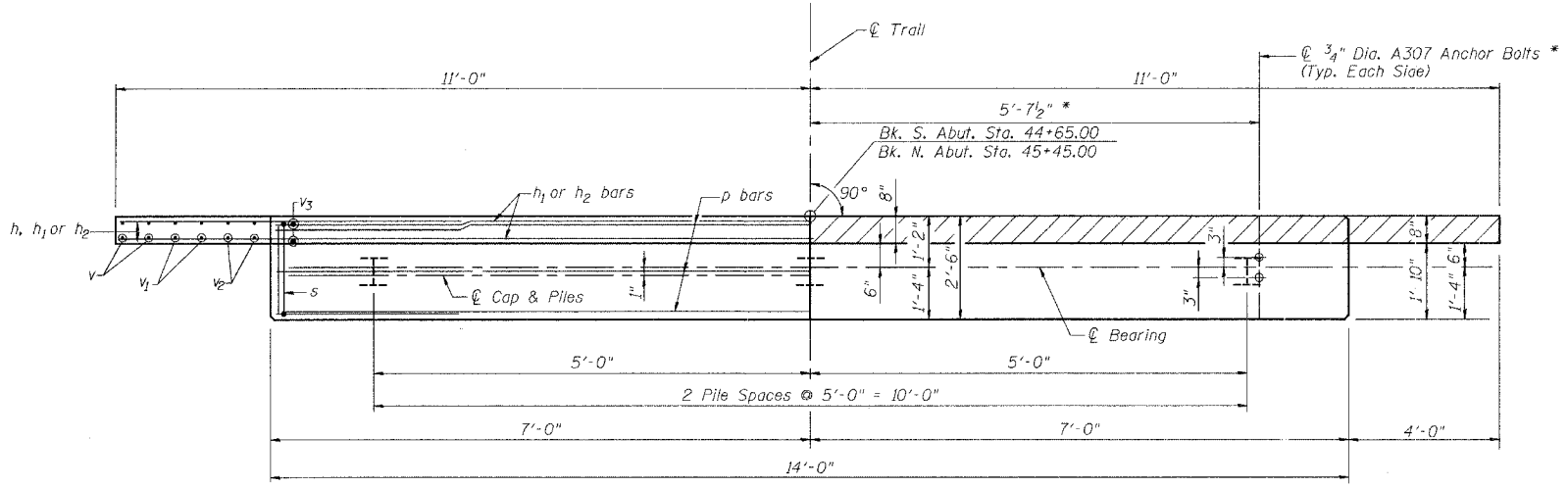
MINIMUM BAR LAPS

#5	1'-8"
#6	2'-0"
#7	2'-8"

BILL OF MATERIAL (2 ABUTMENTS)

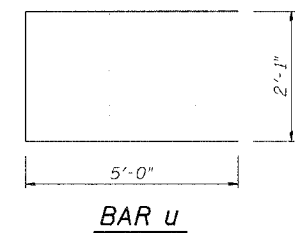
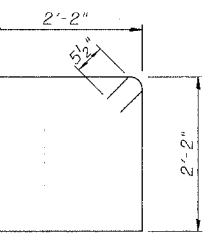
BAR	NO.	SIZE	LENGTH	SHAPE
h	32	#5	6'-6"	—
h <sub>1</sub>	8	#5	21'-8"	—
h <sub>2</sub>	8	#5	18'-0"	—
h <sub>3</sub>	8	#5	4'-0"	—
p	14	#7	13'-8"	—
s	30	#5	9'-7"	□
u	16	#6	12'-1"	□
v	16	#5	3'-8"	—
v <sub>1</sub>	16	#5	3'-10"	—
v <sub>2</sub>	16	#5	4'-2"	—
v <sub>3</sub>	60	#5	4'-0"	—
Concrete Structures			Cu Yd	9.4
Reinforcement Bars			Pound	2010
Structure Excavation			Cu Yd	37
Steel H Piles, 10x42			Foot	130
Test Pile			Each	1

\* Contractor shall verify anchor bolt locations and size with Bridge Manufacturer before placement.



PILE DATA

Type: Steel H, 10x42  
Capacity: 17T min. - Driven to 26T  
Length: 26'-0" min.  
No. Required: N. Abut. 2 + 1 Test Pile  
S. Abut. 3



NOTE: Abutment details shown are subject to change per premanufactured bridge manufacturer recommendations. It shall be the responsibility of the Contractor to coordinate all fabrication / construction variations in writing with the Engineer prior to construction. No additional compensation for this work will be allowed.

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**ABUTMENTS**  
PREFABRICATED BRIDGE  
SPRINGFIELD PARK DISTRICT  
CITY OF SPRINGFIELD  
BIKE TRAIL, SANGAMON COUNTY  
BUNN SECTION 99-P4001-00-BT  
STATION 45+05.00

SCALE: VERT. \_\_\_\_\_  
HORIZ. \_\_\_\_\_  
DATE: 04/22/02

DRAWN BY: BISHOP  
DESIGNED BY: BRADFORD  
CHECKED BY: MATHUR

COMPUTER FILE NO.  
99391AB2-10  
PROJECT 99391  
1/12/06-MML

GREENE & BRADFORD, INC.  
OF SPRINGFIELD  
CONSULTING ENGINEERS  
PROFESSIONAL ENGINEERING CORPORATION  
1017 W. 84th St., Springfield, IL 62761  
(314) 752-8844, (314) 752-4227, FAX (314) 752-8844

REVISIONS	
NAME	DATE
JLJ	09/24/02
ADD PILES	12/10/02

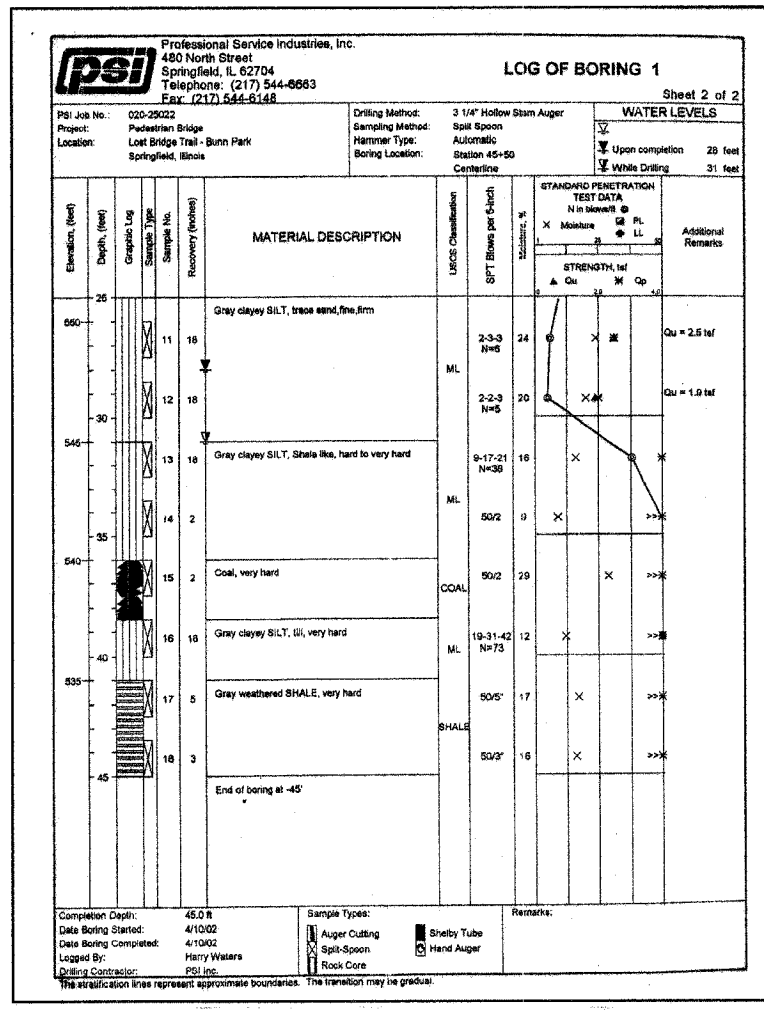
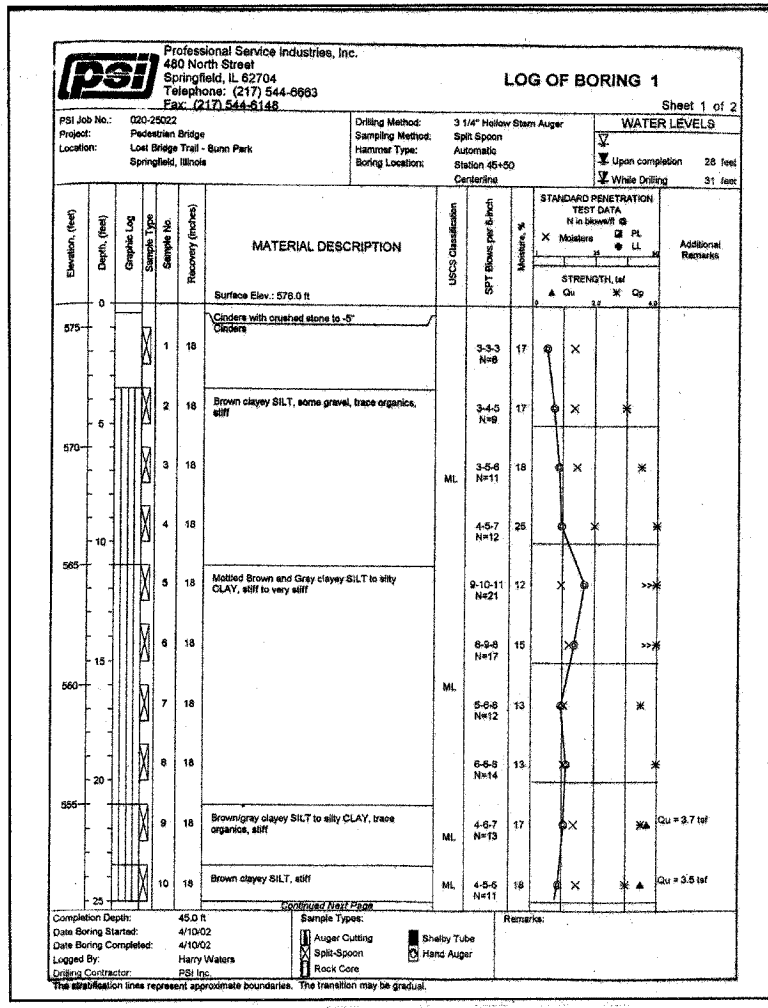
DESIGN		
INT.	DATE	REASON

PLOTS & CHECKS		
INT.	DATE	REASON

CHECKS		
INT.	DATE	REASON

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
BIKE TRAIL	****	SANGAMON	35	30
STA.	TO STA.			
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
Bridge Sheet 4 of 4 Sheets				
**** 99-P4001-00BT				
TE-0006(070)				



**GENERAL NOTES**

The Unified Soil Classification System is used to identify the soil unless otherwise noted.

**SAMPLE IDENTIFICATION**

**SOIL PROPERTY SYMBOLS**

- N: Standard "N" penetration: Blows per foot of a 140 pound hammer falling 30 inches on a 2 inch O.D. split-spoon.
- Qu: Unconfined compressive strength, TSF.
- Cp: Penetrometer value, unconfined compressive strength, TSF.
- Mc: Water content, %.
- LL: Liquid limit, %.
- Pl: Plasticity index, %.
- δd: Natural dry density, PCF.
- ▽: Apparent groundwater level at time noted after completion of boring.

**DRILLING AND SAMPLING SYMBOLS**

- SS: Split-Spoon - 1 3/8" I.D., 2" O.D., except where noted.
- ST: Shelby Tube - 3" O.D., except where noted.
- AU: Auger Sample.
- DB: Diamond Bit.
- CB: Carbide Bit.
- WS: Washed Sample.

**RELATIVE DENSITY AND CONSISTENCY CLASSIFICATION**

TERM (NON-COHESIVE SOILS)	STANDARD PENETRATION RESISTANCE
Very Loose	0-4
Loose	4-10
Medium	10-30
Dense	30-50
Very Dense	Over 50

TERM (COHESIVE SOILS)	Qu - (TSF)
Very Soft	0 - 0.25
Soft	0.25 - 0.50
Firm (Medium)	0.50 - 1.00
Stiff	1.00 - 2.00
Very Stiff	2.00 - 4.00
Hard	4.00+

**PARTICLE SIZE**

Particle Size	Soil Type	Range
Boulders	8 in.+	Coarse Sand 5mm-0.6mm
Cobbles	8 in.-3 in.	Medium Sand 0.6mm-0.2mm
Gravel	3 in.-5mm	Fine Sand 0.2mm-0.074mm
		Silt 0.074mm-0.005mm
		Clay <0.005mm

PSI G-100-9 (2)

BORING 1

BORING 1

GENERAL NOTES

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**BORING LOG**  
PREFABRICATED BRIDGE  
SPRINGFIELD PARK DISTRICT  
CITY OF SPRINGFIELD  
BIKE TRAIL, SANGAMON COUNTY  
BUNN SECTION 99-P4001-00-BT  
STATION 45+05.00

SCALE: VERT. \_\_\_\_\_  
HORIZ. \_\_\_\_\_  
DATE: 04/22/02

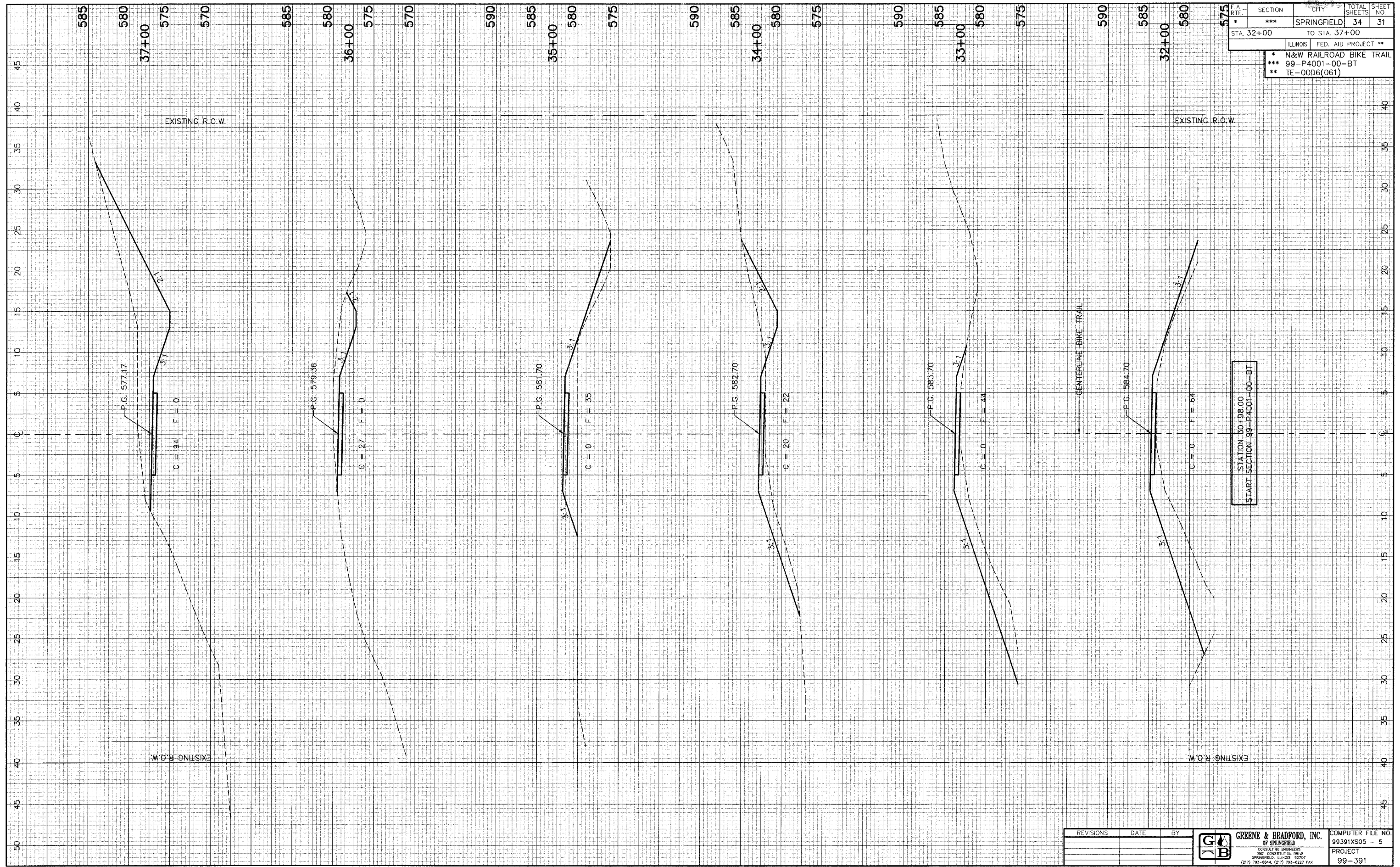
DRAWN BY: BISHOP  
DESIGNED BY: BRADFORD  
CHECKED BY: MATHUR

COMPUTER FILE NO.  
99391BOR-10  
PROJECT 99391  
1/12/06-MML

GREENE & BRADFORD, INC.  
CONSULTING ENGINEERS  
1000 SPRINGFIELD PARK DISTRICT  
SPRINGFIELD, ILLINOIS 62704  
PROFESSIONAL & TECHNICAL SERVICES CORPORATION  
(618) 783-8816, (618) 783-8277 FAX: (618) 783-8816

REVISIONS	
NAME	DATE

F.A. RTE.	SECTION	CITY	TOTAL SHEETS	SHEET NO.
*	***	SPRINGFIELD	34	31
STA. 32+00		TO STA. 37+00		
ILLINOIS		FED. AID PROJECT **		
* N&W RAILROAD BIKE TRAIL				
*** 99-P4001-00-BT				
** TE-0006(061)				



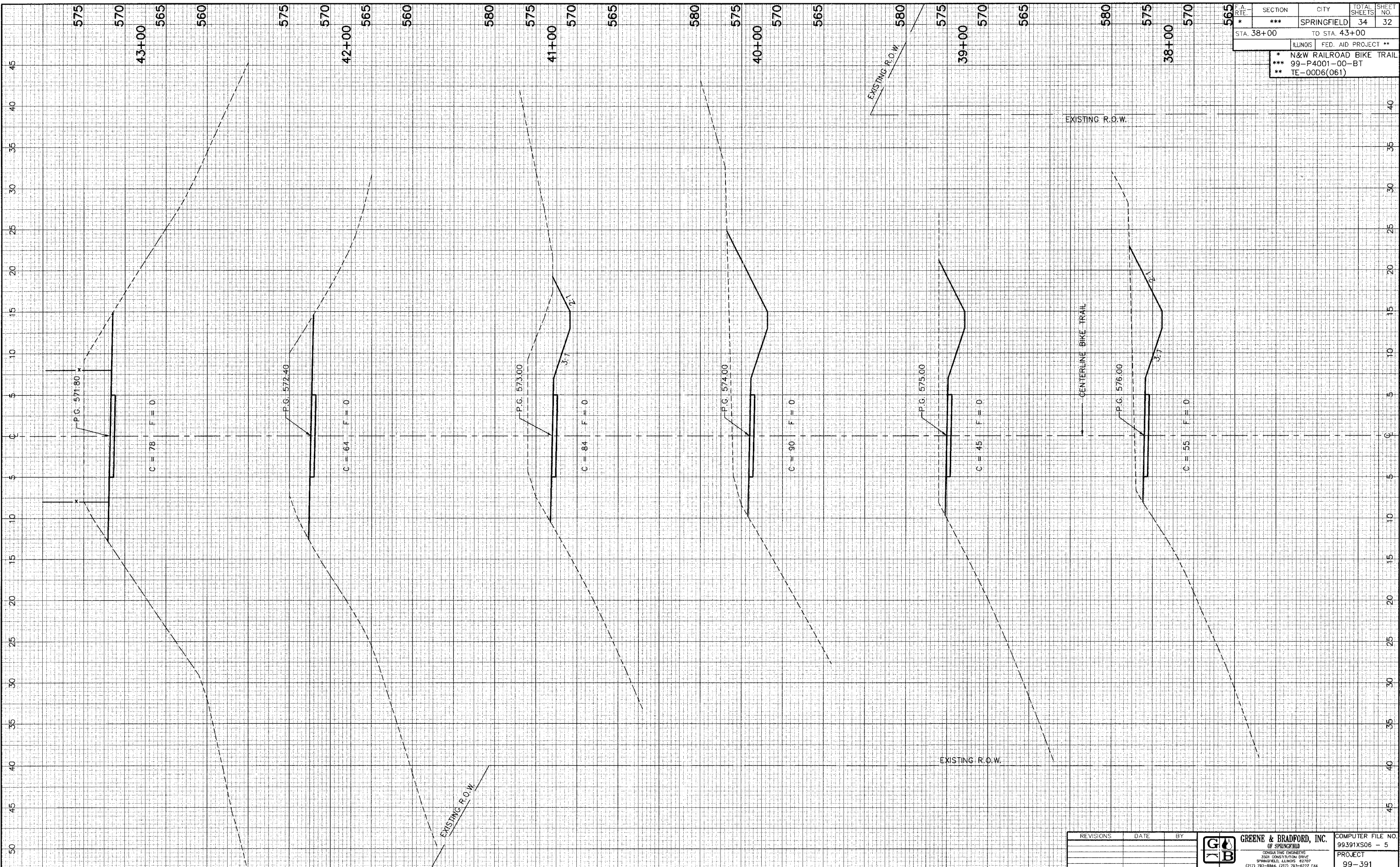
REVISIONS	DATE	BY



GREENE & BRADFORD, INC.  
OF SPRINGFIELD  
CONSULTING ENGINEERS  
3301 CONSTITUTION DRIVE  
SPRINGFIELD, ILLINOIS 62707  
(217) 783-8844, (217) 783-6227 FAX



SECTION	CITY	TOTAL SHEETS	SHEET NO.
***	SPRINGFIELD	34	32
STA. 38+00 TO STA. 43+00			
ILLINOIS		FED. AID PROJECT **	
* N&W RAILROAD BIKE TRAIL			
*** 99-P4001-00-BT			
** TE-0006(061)			



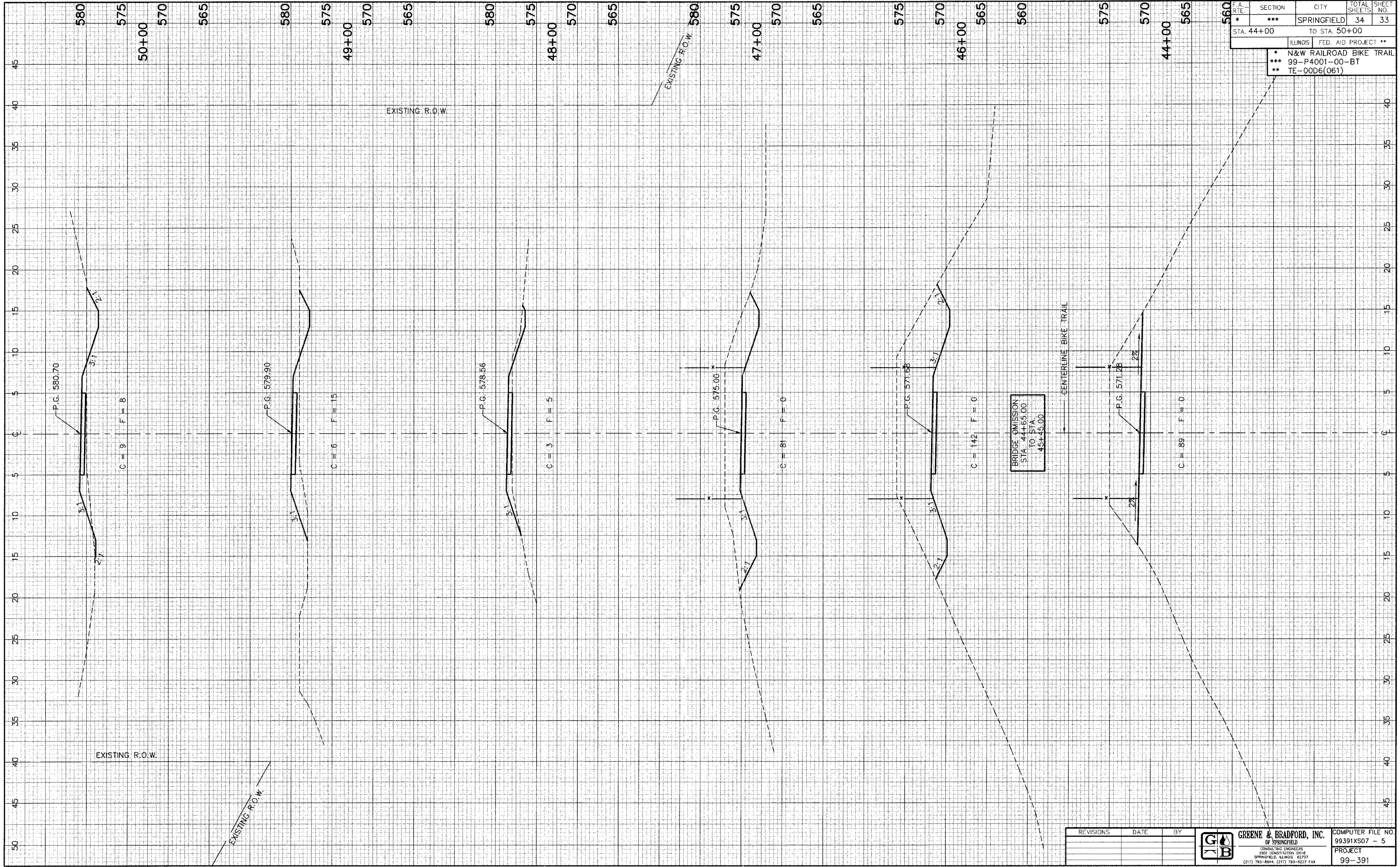
REVISIONS	DATE	BY

**GREENE & BRADFORD, INC.**  
OF SPRINGFIELD  
CONSULTING ENGINEERS  
2301 CONSTITUTION DRIVE  
SPRINGFIELD, ILLINOIS 62707  
(217) 793-8844 (217) 793-6227 FAX

COMPUTER FILE NO.  
99391XS06 - 5  
PROJECT  
99-391



F.A. RTE.	SECTION	CITY	TOTAL SHEETS	SHEET NO.
*	***	SPRINGFIELD	34	33
STA. 44+00		TO STA. 50+00		
ILLINOIS FED. AID PROJECT **				
* N&W RAILROAD BIKE TRAIL				
*** 99-P4001-00-BT				
** TE-00D6(061)				

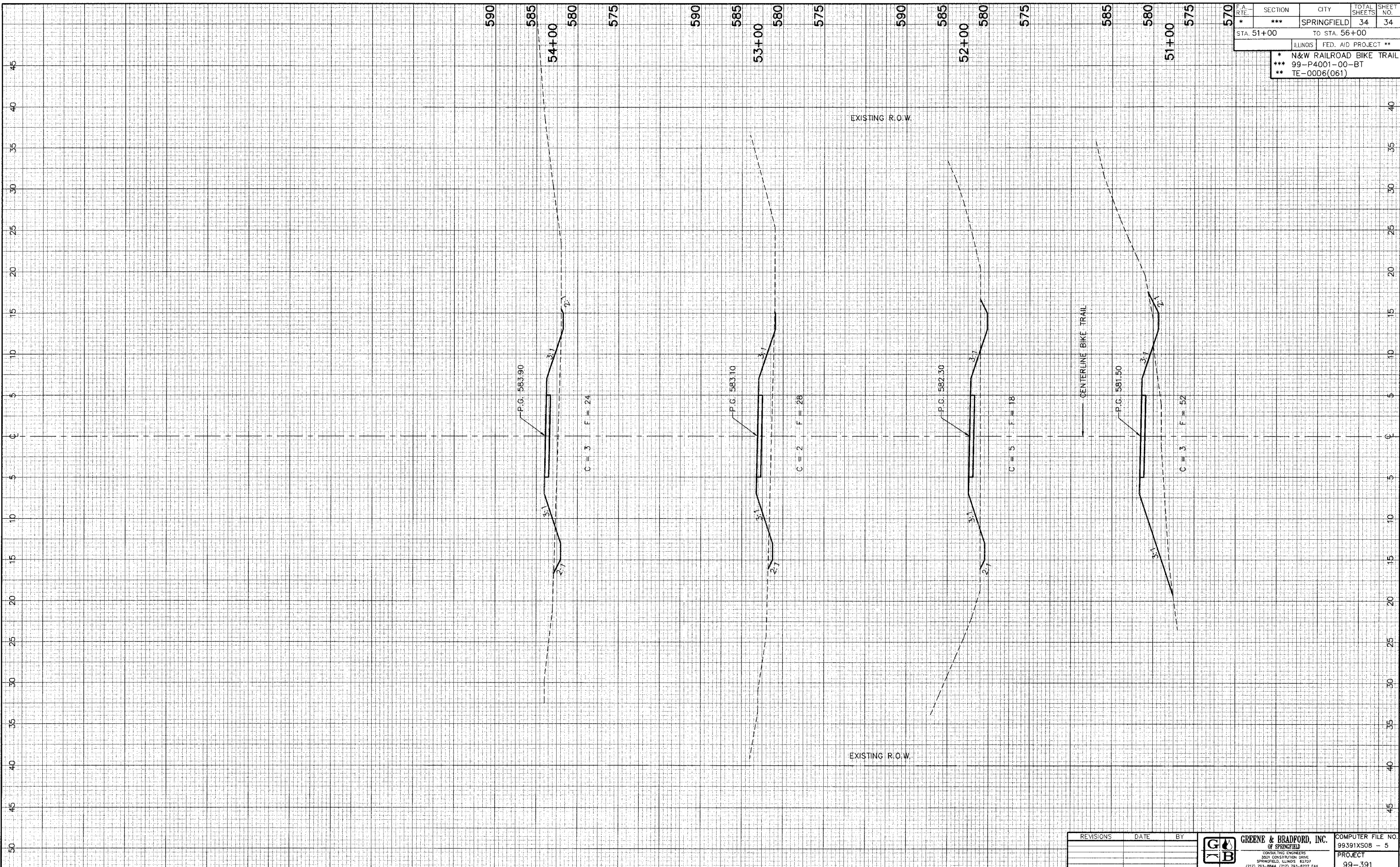


**GREENE & BRADFORD, INC.**  
 OF SPRINGFIELD  
 CONSULTING ENGINEERS  
 2001 CONSTITUTION DRIVE  
 SPRINGFIELD, ILLINOIS 62709  
 (217) 783-8844, (217) 783-8227 FAX

COMPUTER FILE NO.	99391XS07 - 5
PROJECT	99-391



F.A. R.T.E.	SECTION	CITY	TOTAL SHEETS	SHEET NO.
*	***	SPRINGFIELD	34	34
STA. 51+00		TO STA. 56+00		
ILLINOIS		FED. AID PROJECT **		
* N&W RAILROAD BIKE TRAIL				
*** 99-P4001-00-BT				
** TE-0006(061)				



REVISIONS	DATE	BY



**GREENE & BRADFORD, INC.**  
OF SPRINGFIELD  
CONSULTING ENGINEERS  
3301 CONSTITUTION DRIVE  
SPRINGFIELD, ILLINOIS 62707  
(217) 753-8844 (217) 793-6227 FAX

COMPUTER FILE NO.  
99391XS08 - 5  
PROJECT  
99-391