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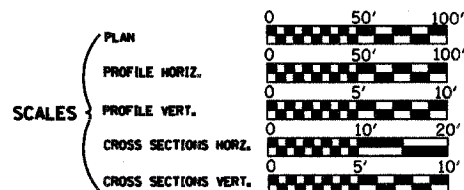


345 E. ASH AVE.
 DECATUR, ILLINOIS 62526
 PH. 217-875-4800

CONTRACT NO. : 89312

JOINT UTILITY LOCATING INFORMATION FOR EXCAVATORS
 J.U.L.I.E. Telephone No. Toll Free 1-800-892-0123

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 PLANS FOR PROPOSED
HPP, NCPD, HPR FEDERAL AID HIGHWAY



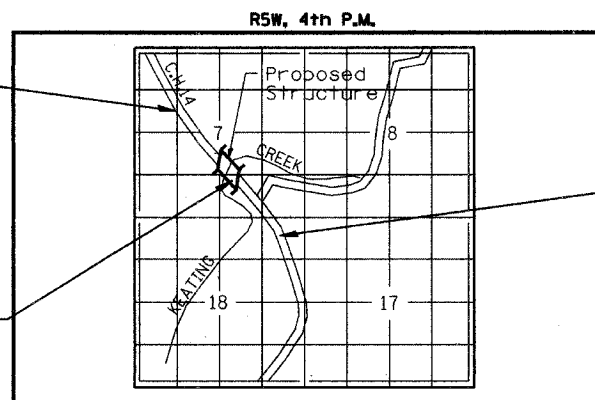
FAS 209 (C.H. 14) OVER KEATING CREEK
SECTION 00-00091-00-BR
PROJECT BRS-NCPD-HPP-1323(113)
MERCER COUNTY
C - 9413900

A.D.T.-----1185 (2002)
 CLASS ROAD-----COLLECTOR
 DESIGN SPEED-----50 mph

PROJECT AND IMPROVEMENT BEGINS
 STA. 87+25.00

QC/QA
BITUMINOUS

STRUCTURE NO. 066-3157
STA. 111+37.50 TO
STA. 111+97.50



PROJECT AND IMPROVEMENT ENDS
 STA. 136+50.00



LAYOUT

Approximate Scale: 0 1 2
 scale miles

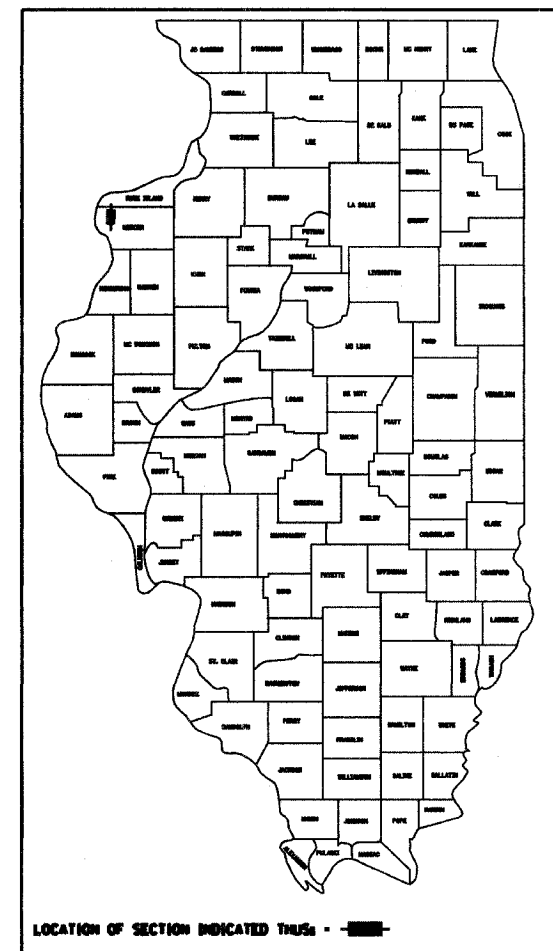
Total and Net Length of Improvement 4925.00 Feet = 0.933 Miles

Stephen Keboe
 Illinois Professional No. 48103

2-15-07
 Date

Expires: 11-30-07

RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
C.H. 14 FAS 209	00-00091-00-BR	MERCER	III	I
FED. ROAD DIST. NO.	ILLINOIS PROJECT			



AGENCY RESPONSIBLE FOR LETTING	
APPROVED	<i>February 19</i> 20.07 <i>D. DeLoach</i> COUNTY ENGINEER
PASSED	<i>February 26</i> 20.07 <i>J. DeLoach</i> DISTRICT 4 ENGINEER OF LOCAL ROADS AND STREETS
RELEASING FOR BID BASED ON LIMITED REVIEW	<i>FEB 26</i> 20.07 <i>J. DeLoach</i> DEPUTY DIRECTOR OF HIGHWAYS REGION 4 ENGINEER

SUMMARY OF QUANTITIES

ROUTE NO. C.H. 14 F.A.S. 209	SECTION 00-00091-00-BR	COUNTY MERCER	TOTAL SHEETS III	SHEET NO. 2
FED. ROAD DIST. NO.		ILLINOIS	PROJECT	

CONTRACT NO. 89312

ITEM	DESCRIPTION	UNIT	TOTAL QUANTITY	HPP FUNDS	NATIONAL CORRIDOR PLANNING FUNDS	HBP FUNDS
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	13	13		
20100500	TREE REMOVAL, ACRES	ACRE	0.75	0.75		
20200100	EARTH EXCAVATION	CU YD	14183	14183		
20300100	CHANNEL EXCAVATION	CU YD	133		133	
20400800	FURNISHED EXCAVATION	CU YD	31588	31588		
20900110	POROUS GRANULAR BACKFILL	CU YD	77.5	77.5		
21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	4594		4594	
21301052	EXPLORATION TRENCH 52" DEPTH	FOOT	3035	3035		
* 25000210	SEEDING, CLASS 2A	ACRE	8.75	8.75		
* 25000300	SEEDING, CLASS 3	ACRE	1.75	1.75		
* 25000350	SEEDING, CLASS 7	ACRE	10.50	10.50		
* 25000400	NITROGEN FERTILIZER NUTRIENT	POUND	988	988		
* 25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	988	988		
* 25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	988	988		
* 25000700	AGRICULTURAL GROUND LIMESTONE	TON	22	22		
* 25100115	MULCH, METHOD 2	ACRE	9.27	9.27		
25100630	EROSION CONTROL BLANKET	SQ YD	12680.8	12680.8		
* 28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	93		93	
28000300	TEMPORARY DITCH CHECKS	EACH	44	44		
28000400	PERIMETER EROSION BARRIER	FOOT	5382.5	5382.5		
28000500	INLET AND PIPE PROTECTION	EACH	15	15		
28100107	STONE RIPRAP, CLASS A4	SQ YD	261			261
28100125	STONE RIPRAP, CLASS B3	SQ YD	117	117		
28101700	RIPRAP, SPECIAL	TON	4		4	
28200200	FILTER FABRIC	SQ YD	267	267		
31101000	SUB-BASE GRANULAR MATERIAL, TYPE B	TON	5409	5409		
35501300	HOT-MIX ASPHALT BASE COURSE, 4"	SQ YD	1407.3		1407.3	

ITEM	DESCRIPTION	UNIT	TOTAL QUANTITY	HPP FUNDS	NATIONAL CORRIDOR PLANNING FUNDS	HBP FUNDS
35600700	HOT-MIX ASPHALT BASE COURSE WIDENING, 6"	SQ YD	686.6	686.6		
40200100	AGGREGATE SURFACE COURSE, TYPE A	TON	426	426		
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GAL	5547	5547		
40600300	AGGREGATE (PRIME COAT)	TON	29.4	29.4		
40600895	CONSTRUCT TEST STRIP	EACH	2	2		
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	712	712		
40600990	TEMPORARY RAMP	SQ YD	426		426	
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	2041	2041		
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	497		497	
40701811	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 6 1/2"	SQ YD	8743	8743		
44004400	PAVEMENT REMOVAL (SPECIAL)	SQ YD	9458.2	9458.2		
44201705	CLASS D PATCHES, TYPE II, 5 INCH	SQ YD	13.1		13.1	
44201711	CLASS D PATCHES, TYPE IV, 5 INCH	SQ YD	37.3		37.3	
48100100	AGGREGATE SHOULDERS, TYPE A	TON	2191.1		2191.1	
50100300	REMOVAL OF EXISTING STRUCTURES NO. 1	EACH	1		1	
50100400	REMOVAL OF EXISTING STRUCTURES NO. 2	EACH	1		1	
50100500	REMOVAL OF EXISTING STRUCTURES NO. 3	EACH	1		1	
50105210	REMOVE EXISTING CULVERTS	FOOT	286		286	
50300225	CONCRETE STRUCTURES	CU YD	25.2			25.2
50300280	CONCRETE ENCASEMENT	CU YD	2		2	
50400505	PRECAST PRESTRESSED CONCRETE DECK BEAMS (27" DEPTH)	SQ FT	1745			1745
50800205	REINFORCED BARS, EPOXY COATED	POUND	2620			2620
50901050	STEEL RAILING, TYPE SM	FOOT	117			117
51201300	FURNISHING STEEL PILES HP8X36	FOOT	587		587	
51202305	DRIVING PILES	FOOT	587		587	
51203300	TEST PILE STEEL HP8X36	EACH	1			1
51500100	NAME PLATES	EACH	1		1	

* SPECIALTY ITEMS

SUMMARY OF QUANTITIES		
Date	Designed: RLS	F.A.S. 209 (C.H. 14) OVER KEATING CREEK NEW BOSTON ROAD SECTION 00-00091-00-BR MERCER COUNTY
Revisions	Drawn: RLS	
	Checked: SMK	
	Approved: SMK	
Prepared by:	URS	345 East Ash Avenue Decatur, IL 62526
		URS Job No. 21-00001253.0

SUMMARY OF QUANTITIES CON'T.

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
C.H. 14 F.A.S. 209	00-00091-00-BR	MERCER	111	3
FED. ROAD DIST. NO.	ILLINOIS PROJECT			

CONTRACT NO. 89312

ITEM	DESCRIPTION	UNIT	TOTAL QUANTITY	HPP FUNDS	NATIONAL CORRIDOR PLANNING FUNDS	HBP FUNDS
542A0229	PIPE CULVERTS, CLASS A, TYPE 1 24"	FOOT	244		244	
542A1060	PIPE CULVERTS, CLASS A, TYPE 2 15"	FOOT	188		188	
542A1063	PIPE CULVERTS, CLASS A, TYPE 2 18"	FOOT	86		86	
542A1069	PIPE CULVERTS, CLASS A, TYPE 2 24"	FOOT	64		64	
542D0220	PIPE CULVERTS, CLASS D, TYPE 1 15"	FOOT	126		126	
54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	EACH	2		2	
54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	6		6	
58100200	WATERPROOFING MEMBRANE SYSTEM	SQ YD	194			194
58300100	PORTLAND CEMENT MORTAR FAIRING COURSE	FOOT	524			524
60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1		1	
60258000	MANHOLES TO BE RECONSTRUCTED (SPECIAL)	EACH	1		1	
* 63100087	TRAFFIC BARRIER TERMINAL, TYPE 6A	EACH	4		4	
* 63100167	TRAFFIC BARRIER TERMINAL TYPE 1, SPECIAL (TANGENT)	EACH	4		4	
63200305	STEEL PLATE BEAM GUARD RAIL REMOVAL	FOOT	304		304	
66600105	FURNISHING AND ERECTING RIGHT-OF-WAY MARKERS	EACH	6	6		
66700205	PERMANENT SURVEY MARKERS, TYPE 1	EACH	9		9	
67100100	MOBILIZATION	L SUM	1		1	
70100450	TRAFFIC CONTROL AND PROTECTION STANDARD 701201	L SUM	1		1	
70100460	TRAFFIC CONTROL AND PROTECTION STANDARD 701306	L SUM	1		1	
70103700	TRAFFIC CONTROL COMPLETE	L SUM	1		1	
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	20		20	
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	23400		23400	
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	28016		28016	
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	3650		3650	
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	19716		19716	
* 78200400	GUARDRAIL REFLECTORS	EACH	8	8		
* 78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	4		4	

ITEM	DESCRIPTION	UNIT	TOTAL QUANTITY	HPP FUNDS	NATIONAL CORRIDOR PLANNING FUNDS	HBP FUNDS
* A2002912	TREE, CELTIS OCCIDENTALIS (COMMON HACKBERRY), 1 1/2" CALIPER, BALLED AND BURLAPPED	EACH	9		9	
* A2004212	TREE, FRAXINUS PENNSYLVANICA SUMMIT (SUMMIT GREEN ASH), 1 1/2" CALIPER, BALLED AND BURLAPPED	EACH	9		9	
* A2005114	TREE, JUGLANS NIGRA (BLACK WALNUT), 1 3/4" CALIPER, BALLED AND BURLAPPED	EACH	9		9	
* A2006512	TREE, QUERCUS BICOLOR (SWAMP WHITE OAK), 1 1/2" CALIPER, BALLED AND BURLAPPED	EACH	9		9	
* A2006912	TREE, QUERCUS PALUSTRIS (PIN OAK), 1 1/2" CALIPER, BALLED AND BURLAPPED	EACH	9		9	
* X0321116	WETLAND SEEDING (SPECIAL)	ACRE	0.52		0.52	
X2111100	TOPSOIL EXCAVATION AND PLACEMENT, SPECIAL	CU YD	623		623	
X4021000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	9		9	
X4023000	TEMPORARY ACCESS (ROAD)	EACH	1		1	
XX004096	REMOVE AND RE-INSTALL CONCRETE FLARED END SECTIONS	EACH	1	1		
XX004829	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12", SPECIAL	EACH	1		1	

* SPECIALTY ITEMS

SUMMARY OF QUANTITIES		
Date	Designed: RLS	F.A.S. 209 (C.H. 14) OVER KEATING CREEK NEW BOSTON ROAD SECTION 00-00091-00-BR MERCER COUNTY
Revisions	Drawn: RLS	
	Checked: SMK	
	Approved: SMK	
Prepared by:	URS	345 East Ash Avenue Decatur, IL 62526
		URS Job No. 21-00001253.01

GENERAL NOTES

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
C.H. 14 F.A.S. 209	00-00091-00-BR	MERCER	111	4
FED. ROAD DIST. NO.		ILLINOIS PROJECT		

CONTRACT NO. **89312**

- 1 IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE ACTUAL LOCATION OF ALL UNDERGROUND UTILITY FACILITIES. HE SHALL ALSO OBTAIN FROM THE RESPECTIVE UTILITY COMPANIES DETAILED INFORMATION RELATIVE TO THE LOCATION OF THEIR FACILITIES AND THE WORKING SCHEDULES OF THE UTILITY COMPANIES FOR THEIR MARKING OF THE EXACT LOCATION.
- 2 WHERE 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 MONUMENTS UNTIL AN AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE COST OF HAVING AN AUTHORIZED SURVEYOR RE-ESTABLISH ANY SECTION OR SUB-SECTION MONUMENTS DESTROYED BY HIS OPERATIONS.
- 3 REMOVAL OF EXISTING AGGREGATE MATERIAL AND OIL AND CHIP BITUMINOUS MATERIAL SHALL BE INCLUDED IN EARTH EXCAVATION.
- 4 UTILITY ADJUSTMENTS SHALL BE MADE BY THE UTILITY COMPANIES.

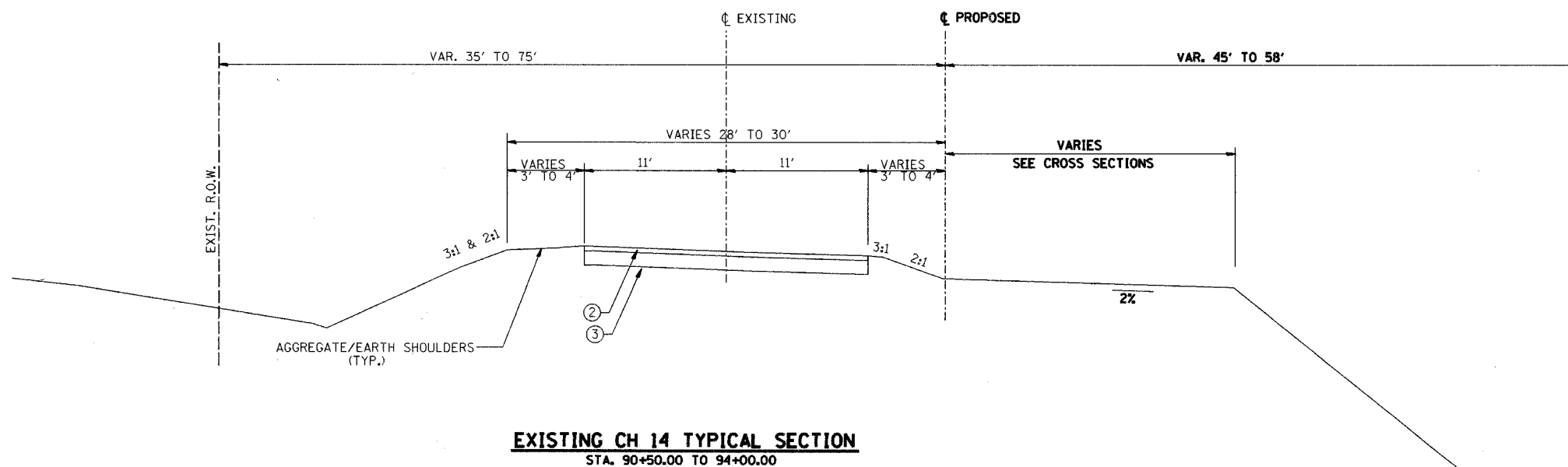
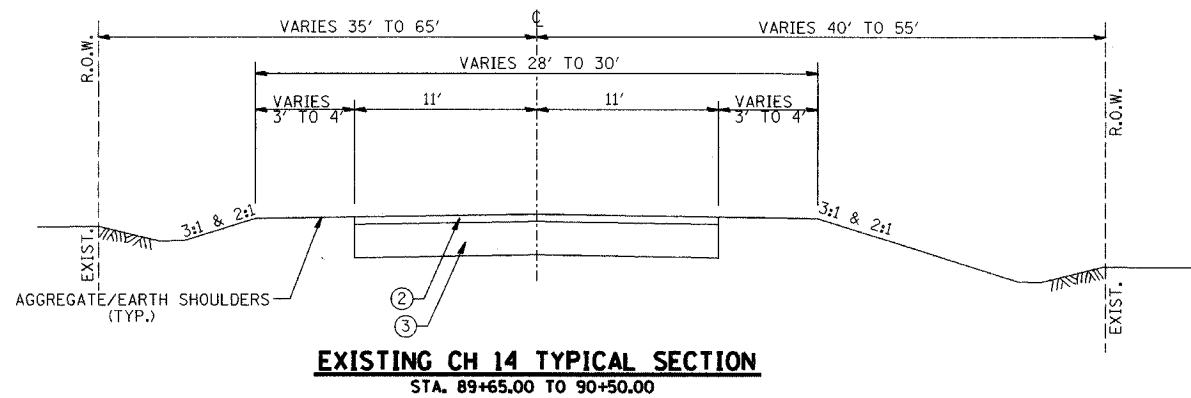
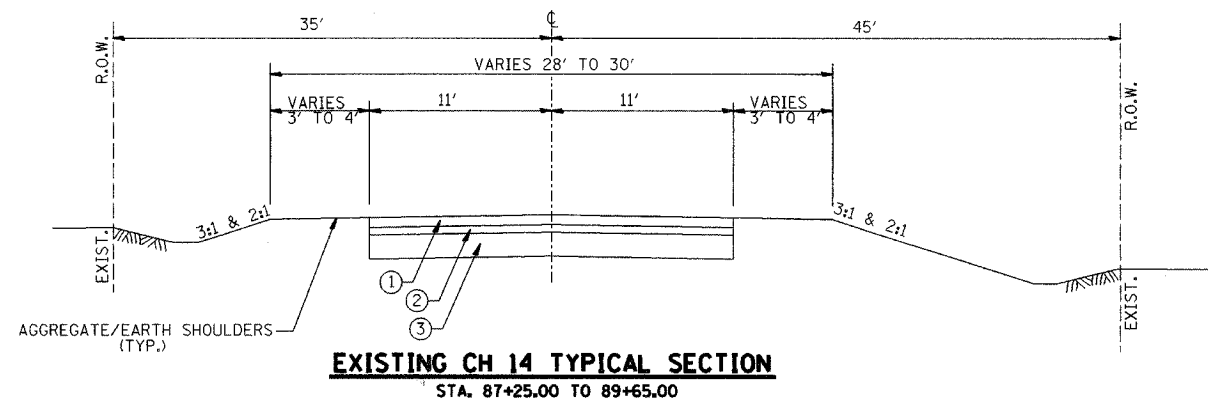
MID AMERICAN ENERGY	FRONTIER COMMUNICATIONS
ATTN: MATT CHANCELLOR	
2811 5TH AVE	
ROCK ISLAND, IL 61201	
- 5 APPLICATION RATES

GRANULAR MATERIALS	2.05	TONS/CU. YD.	
BITUMINOUS MATERIALS-PRIME COAT	0.50	GALS./S. Y. (ON AGG.)	
BITUMINOUS MATERIALS-PRIME COAT	0.03	GALS./S. Y. (FOG COAT)	
BITUMINOUS MATERIALS-PRIME COAT	0.05	GALS./S. Y. (ON EXIST. PVT.)	
AGGREGATE - PRIME COAT	0.001	TONS/S. Y. (ON NEW BIT.)	
AGGREGATE - PRIME COAT	0.002	TONS/S. Y. (ON EXIST. PVT.)	
BITUMINOUS MATERIALS	112	LBS./S. Y./INCH	
NITROGEN FERTILIZER NUTRIENT	90	LBS./ACRE	
PHOSPHORUS FERTILIZER NUTRIENT	90	LBS./ACRE	
POTASSIUM FERTILIZER NUTRIENT	90	LBS./ACRE	
MULCH METHOD 2	2	TONS/ACRE	
AGRICULTURAL GROUND LIMESTONE	2	TONS/ACRE	
TEMPORARY EROSION CONTROL SEEDING	100	LBS./ACRE	
- 6 THE CONTRACTOR SHALL MAKE EVERY EFFORT TO LOCATE ALL EXISTING FIELD TILES BY USE OF EXPLORATORY TRENCHES. AN ESTIMATED QUANTITY OF 3035 FT. OF "EXPLORATION TRENCH 52" DEPTH" PROVIDED FOR THIS WORK. ALL WORK SHALL BE DONE IN ACCORDANCE WITH SECTION 611 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND AT LOCATIONS AS SPECIFIED BY THE ENGINEER. (SEE DETAIL SHEET)
- 7 PAVING SURFACE COURSE, CONTINUOUS:
CONTINUOUS PAVING OPERATIONS ON THE MAIN ROADWAY SHALL BE MAINTAINED AT ALL TIMES DURING THE CONSTRUCTION OF THE BITUMINOUS SURFACE. NO INTERRUPTIONS FOR SIDE ROADS, ENTRANCES, ETC. WILL BE ALLOWED.
- 8 ORDERING LENGTH CONFIRMATION - DRAINAGE ITEMS:
THE CONTRACTOR SHALL CONSULT WITH THE ENGINEER IN REGARD TO THE EXACT LENGTHS OF THE PIPE CULVERTS REQUIRED PRIOR TO ORDERING THESE ITEMS.
- 9 TREES NOT SHOWN FOR REMOVAL SHALL BE PRESERVED THROUGHOUT THIS SECTION AS SHOWN ON THE PLANS AND AS DIRECTED BY THE ENGINEER.
- 10 REMOVAL OF ANY END SECTIONS SHALL BE INCLUDED IN THE COST OF "REMOVE EXISTING CULVERTS".
- 11 MAILBOXES SHALL REMAIN IN SERVICE AT ALL TIMES AND SHALL BE RELOCATED AS NECESSARY DURING CONSTRUCTION. FINAL LOCATION OF MAILBOX SHALL BE DETERMINED BY THE ENGINEER BUT SHOULD BE AS NEAR AS PRACTICAL TO ITS ORIGINAL LOCATION AND PLACED AT THE EDGE OF THE THE AGGREGATE SHOULDER.
- 12 ALL AREAS DISTURBED FOR ANY REASON SHALL BE SEEDED WITH CLASS 2A OR CLASS 7 SEEDING AS SHOWN ON THE PLANS AND AS DIRECTED BY THE ENGINEER.
- 13 THE FOLLOWING QUANTITIES HAVE BEEN INCLUDED IN THIS CONTRACT:
TRAFFIC CONTROL COMPLETE = 1 L SUM
- 14 DURING PAVING OPERATIONS ACROSS THE PROPOSED BRIDGE BOARDS SHALL BE ATTACHED TO THE STRUCTURE TO KEEP HOT MIX ASPHALT FROM FALLING INTO THE STREAM BELOW. THIS WORK SHALL BE INCIDENTAL TO THE HOT MIX ASPHALT PAVING OPERATIONS.

GENERAL NOTES		
Date	Designed: RLS	F.A.S. 209 (C.H. 14) OVER KEATING CREEK NEW BOSTON ROAD SECTION 00-00091-00-BR MERCER COUNTY
Revisions	Drawn: RLS	
	Checked: SMK	
	Approved: SMK	
Prepared by:	URS	345 East Ash Avenue Decatur, IL 62526
		URS Job No. 21-00001253.01

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
C.H. 14 F.A.S. 209	00-00091-00-BR	MERCER	III	5
FED. ROAD DIST. NO.	ILLINOIS PROJECT			

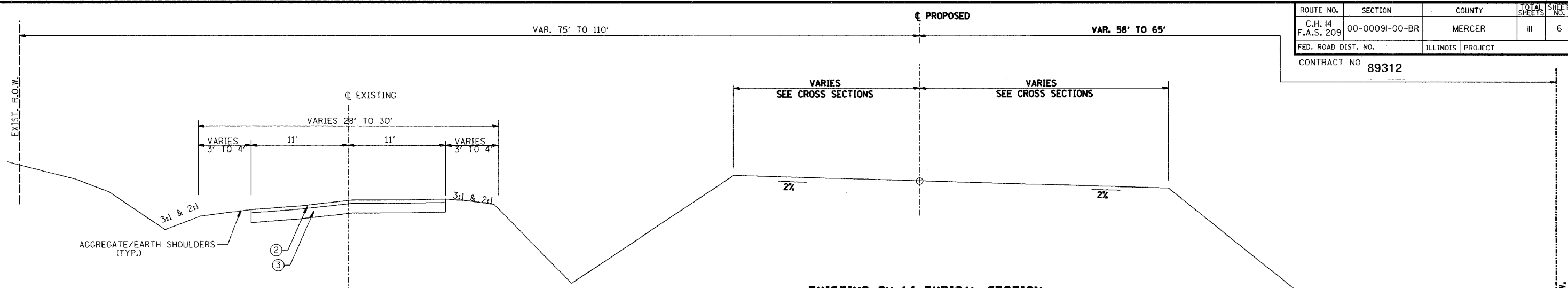
CONTRACT NO 89312



- ① EXISTING BITUMINOUS OVERLAY (VARIES 0" TO 6")
- ② EXISTING A3 SURFACE 2"
- ③ EXISTING AGGREGATE BASE 16"
- ④ EXISTING AGGREGATE SURFACE 8"
- ⑤ EXISTING PAVEMENT REMOVAL
- ⑥ HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 (2")
- ⑦ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 (4 1/2")
- ⑧ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 (VARIABLE DEPTH)
- ⑨ HOT-MIX ASPHALT BASE COURSE, WIDENING, 6"
- ⑩ HOT-MIX ASPHALT BASE COURSE, 4"
- ⑪ HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 6 1/2"
- ⑫ SUB-BASE GRANULAR MATERIAL, TYPE B (9 1/2")
- ⑬ AGGREGATE SHOULDERS, TYPE A (6")
- ⑭ TOP SOIL (4")
- ⑮ SEEDING, CLASS 3 W/ EROSION CONTROL BLANKET
- ⑯ SEEDING, CLASS 2A
- ⑰ 4" SOLID WHITE EDGE LINE
- ⑱ 4" SOLID YELLOW DOUBLE CENTERLINE
- ⑲ AGGREGATE SURFACE COURSE, TYPE A (8")

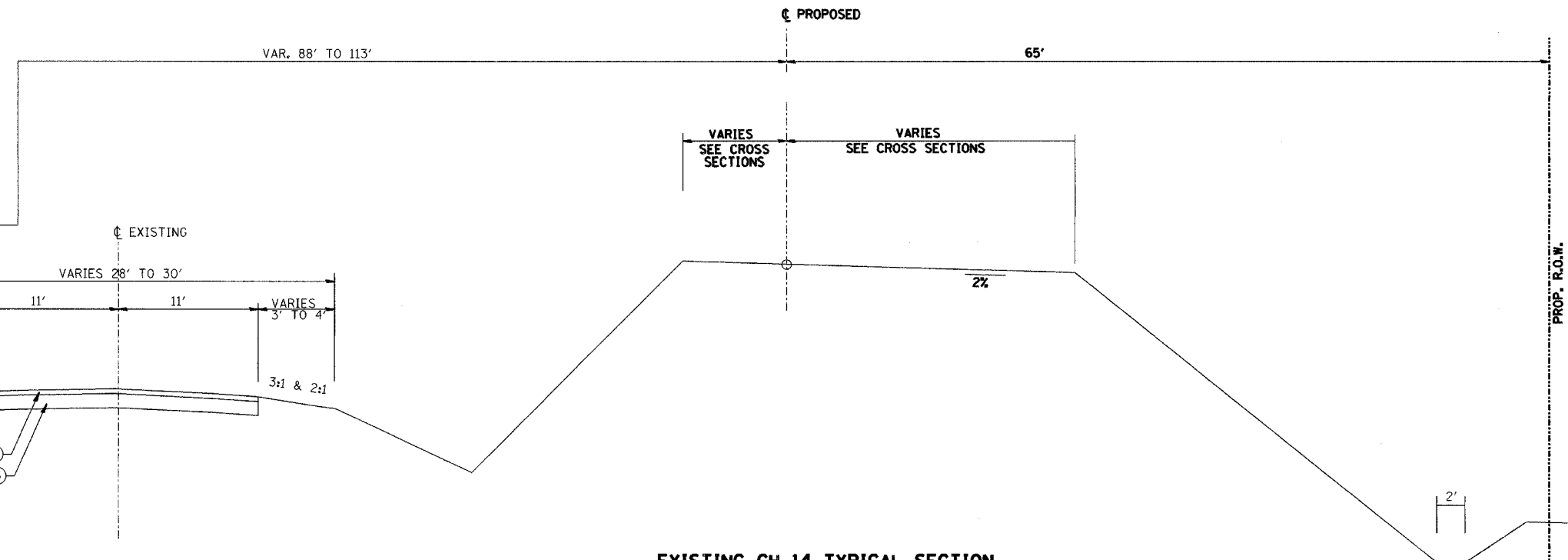
EXISTING TYPICAL SECTIONS		
Date	Designed: SMK	F.A.S. 209 (C.H. 14) OVER KEATING CREEK NEW BOSTON ROAD SECTION 00-00091-00-BR MERCER COUNTY
Revisions	Drawn: MEC	
	Checked: SMK	
	Approved: SMK	
Prepared by:	URS 345 East Ash Avenue Deerfield, IL 60015	URS Job No. 21-00001253.01

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
C.H. 14 F.A.S. 209	00-00091-00-BR	MERCER	III	6
FED. ROAD DIST. NO.	ILLINOIS PROJECT			
CONTRACT NO. 89312				



EXISTING CH 14 TYPICAL SECTION
STA. 94+00.00 TO 103+98.93

- ① EXISTING BITUMINOUS OVERLAY (VARIES 0" TO 6")
- ② EXISTING A3 SURFACE 2"
- ③ EXISTING AGGREGATE BASE 16"
- ④ EXISTING AGGREGATE SURFACE 8"
- ⑤ EXISTING PAVEMENT REMOVAL
- ⑥ HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 (2")
- ⑦ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 (4 1/2")
- ⑧ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 (VARIABLE DEPTH)
- ⑨ HOT-MIX ASPHALT BASE COURSE WIDENING, 6"
- ⑩ HOT-MIX ASPHALT BASE COURSE, 4"
- ⑪ HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 6 1/2"
- ⑫ SUB-BASE GRANULAR MATERIAL, TYPE B (9 1/2")
- ⑬ AGGREGATE SHOULDERS, TYPE A (6")
- ⑭ TOP SOIL (4")
- ⑮ SEEDING, CLASS 3 W/ EROSION CONTROL BLANKET
- ⑯ SEEDING, CLASS 2A
- ⑰ 4" SOLID WHITE EDGE LINE
- ⑱ 4" SOLID YELLOW DOUBLE CENTERLINE
- ⑲ AGGREGATE SURFACE COURSE, TYPE A (8")

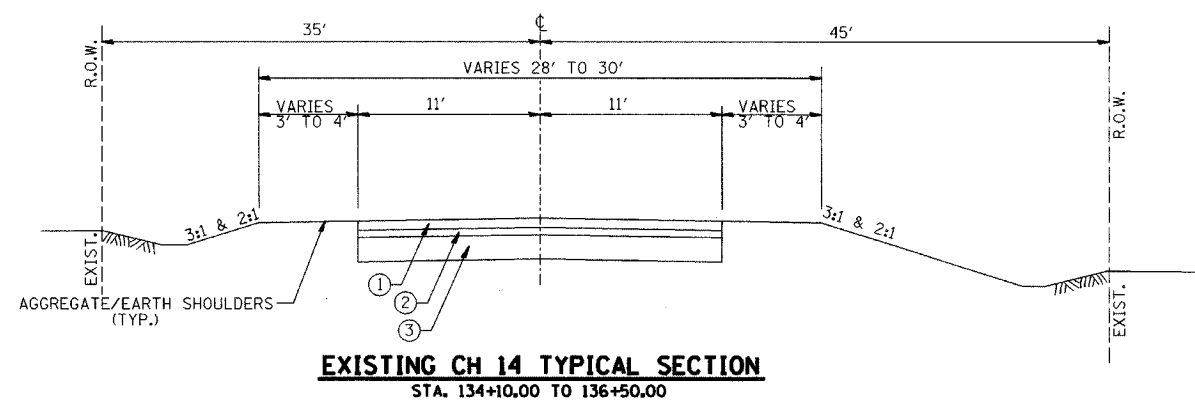
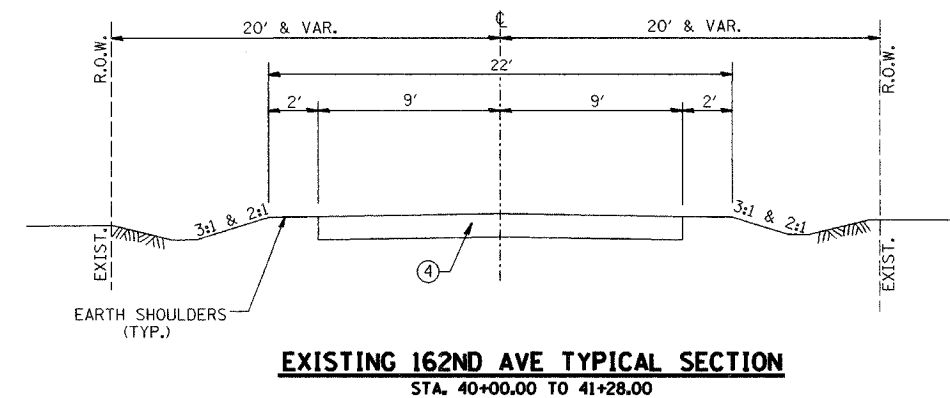
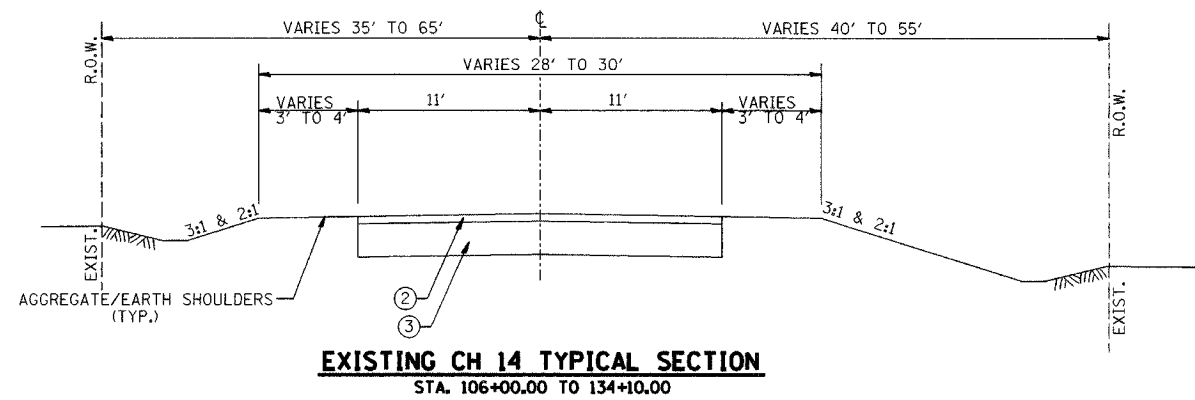


EXISTING CH 14 TYPICAL SECTION
STA. 103+98.93 TO 106+00.00

EXISTING TYPICAL SECTIONS		
Date	Designed: SMK	F.A.S. 209 (C.H. 14) OVER KEATING CREEK NEW BOSTON ROAD SECTION 00-00091-00-BR MERCER COUNTY
Revisions	Drawn: SRS	
	Checked: SMK	
	Approved: SMK	
Prepared by: URS	345 East Ash Avenue Decatur, IL 62526	URS Job No. 21-00001253.01

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
C.H. 14 F.A.S. 209	00-00091-00-BR	MERCER	III	7
FED. ROAD DIST. NO.	ILLINOIS PROJECT			

CONTRACT NO. 89312



- ① EXISTING BITUMINOUS OVERLAY (VARIES 0" TO 6")
- ② EXISTING A3 SURFACE 2"
- ③ EXISTING AGGREGATE BASE 16"
- ④ EXISTING AGGREGATE SURFACE 8"
- ⑤ EXISTING PAVEMENT REMOVAL
- ⑥ HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 (2")
- ⑦ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 (4 1/2")
- ⑧ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 (VARIABLE DEPTH)
- ⑨ HOT-MIX ASPHALT BASE COURSE WIDENING, 6"
- ⑩ HOT-MIX ASPHALT BASE COURSE, 4"
- ⑪ HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 6 1/2"
- ⑫ SUB-BASE GRANULAR MATERIAL, TYPE B (9 1/2")
- ⑬ AGGREGATE SHOULDERS, TYPE A (6")
- ⑭ TOP SOIL (4")
- ⑮ SEEDING, CLASS 3 W/ EROSION CONTROL BLANKET
- ⑯ SEEDING, CLASS 2A
- ⑰ 4" SOLID WHITE EDGE LINE
- ⑱ 4" SOLID YELLOW DOUBLE CENTERLINE
- ⑲ AGGREGATE SURFACE COURSE, TYPE A (8")

EXISTING TYPICAL SECTIONS		
Date	Designed: SMK	F.A.S. 209 (C.H. 14) OVER KEATING CREEK NEW BOSTON ROAD SECTION 00-00091-00-BR MERCER COUNTY
Revisions	Drawn: MEC	
	Checked: SMK	
	Approved: SMK	
Prepared by:	URS 345 East Ash Avenue DeCATUR, IL 62526	URS Job No. 21-00001253.01

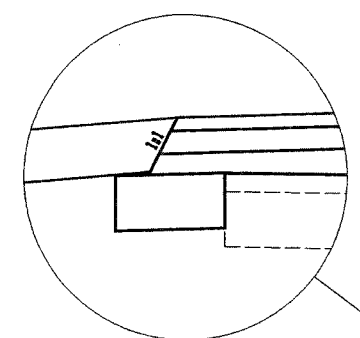
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
C.H. 14 F.A.S. 209	00-00091-00-BR	MERCER	III	8
FED. ROAD DIST. NO.	ILLINOIS PROJECT			

CONTRACT NO. 89312

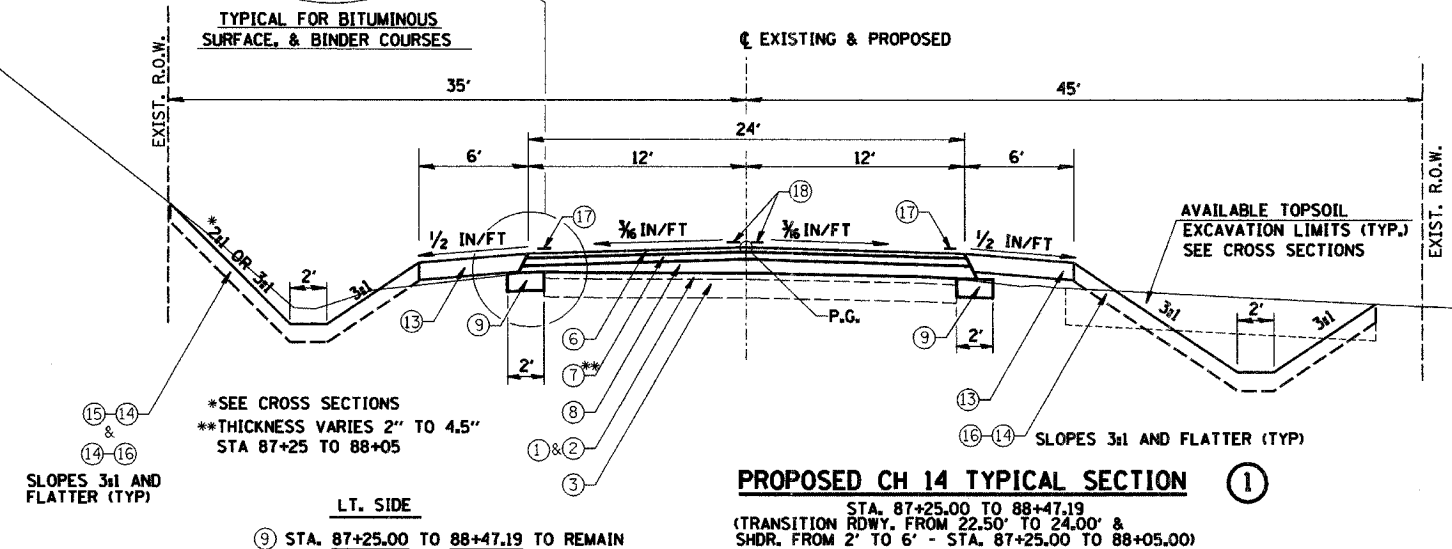
PAVEMENT DESIGN
 STRUCTURAL DESIGN TRAFFIC: YEAR 2012
 PV = 1258 SU = 83 MU = 34
 ROAD / STREET CLASSIFICATION: CLASS III
 PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:
 P = 91.5 S = 6.0 M = 2.5
 TRAFFIC FACTOR: TF = 0.22 DT = 3.3 (REQUIRED)
 DT (PROVIDED): 3.33 EXISTING PAVEMENT
 3.36 WIDENING
 3.33 NEW PAVEMENT
 SURFACE AND TOP BINDER = SBS PG64-22
 BOTTOM BINDER = PG 64-22
 SUBGRADE SUPPORT RATING: IBR = 3
 PAVEMENT STRUCTURAL MATERIALS:
 HOT MIX ASPHALT SURFACE COURSE: $\alpha 1 = 0.40$
 HOT MIX ASPHALT BINDER COURSE: $\alpha 2 = 0.33$
 AGGREGATE BASE COURSE: $\alpha 3 = 0.11$

TEMPORARY PAVEMENT DESIGN
 (NO SURFACE COURSE)
 STRUCTURAL DESIGN TRAFFIC: YEAR 2002
 PV = 1084 SU = 71 MU = 30
 ROAD / STREET CLASSIFICATION: CLASS III
 PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:
 P = 91.5 S = 6.0 M = 2.5
 TRAFFIC FACTOR: TF = 0.01 DT = 2.05 (REQUIRED)
 DT (PROVIDED): 2.11 EXISTING PAVEMENT
 2.56 WIDENING
 2.53 NEW PAVEMENT
 TOP BINDER = SBS PG64-22
 BOTTOM BINDER = PG 64-22
 SUBGRADE SUPPORT RATING: IBR = 3
 PAVEMENT STRUCTURAL MATERIALS:
 HOT MIX ASPHALT BINDER COURSE: $\alpha 2 = 0.33$
 AGGREGATE BASE COURSE: $\alpha 3 = 0.11$

- ① EXISTING BITUMINOUS OVERLAY (VARIES 0" TO 6")
- ② EXISTING A3 SURFACE 2"
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- ⑱ 4" SOLID YELLOW DOUBLE CENTERLINE
- ⑲ AGGREGATE SURFACE COURSE, TYPE A (8")



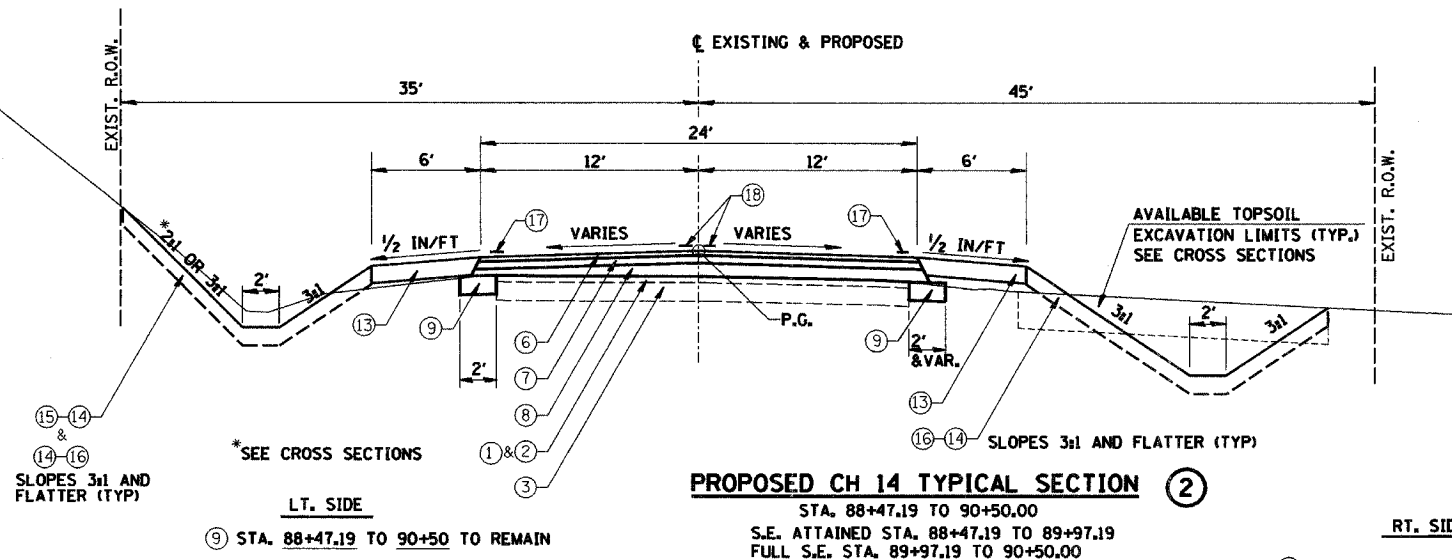
TYPICAL FOR BITUMINOUS SURFACE & BINDER COURSES



PROPOSED CH 14 TYPICAL SECTION ①

BITUMINOUS MIXTURE REQUIREMENTS

LOCATION	CH 14	CH 14	162ND AVE	162ND AVE
MIX USE	BINDER	SURFACE	BINDER	SURFACE
AC/PG	PG 64-22	PG 64-22	PG 64-22	PG 64-22
RAP %	25	15	25	15
DESIGN VOIDS	4.0 @ N=50	4.0 @ N=50	4.0 @ N=50	4.0 @ N=50
MIXTURE COMPOSITION (GRAD. MIXTURE)	IL-19.0	IL-9.5 OR IL-12.5	IL-19.0	IL-9.5 OR IL-12.5
FRICTION	N/A	MIX C	N/A	MIX C



PROPOSED CH 14 TYPICAL SECTION ②

PROPOSED TYPICAL SECTIONS

F.A.S. 209 (C.H. 14) OVER KEATING CREEK
 NEW BOSTON ROAD
 SECTION 00-00091-00-BR
 MERCER COUNTY

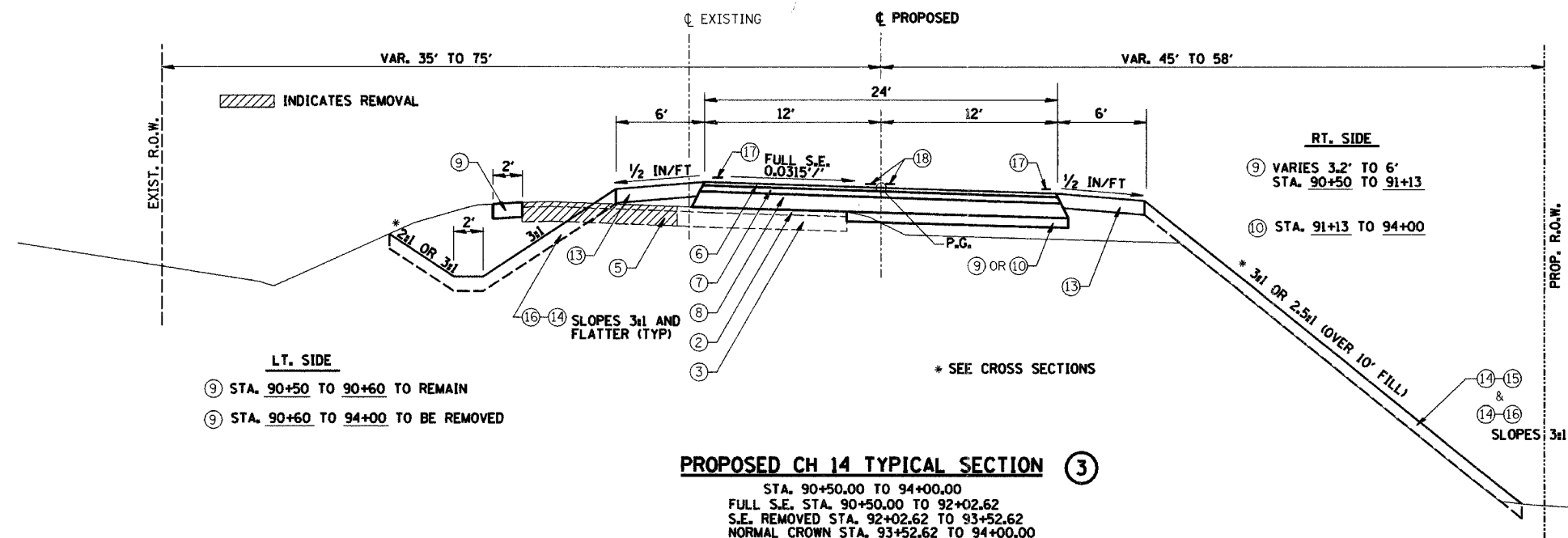
Designed: SMK
 Drawn: MEC
 Checked: SMK
 Approved: SMK

Prepared by: **URS** 345 East Ash Avenue
 Decatur, IL 62526

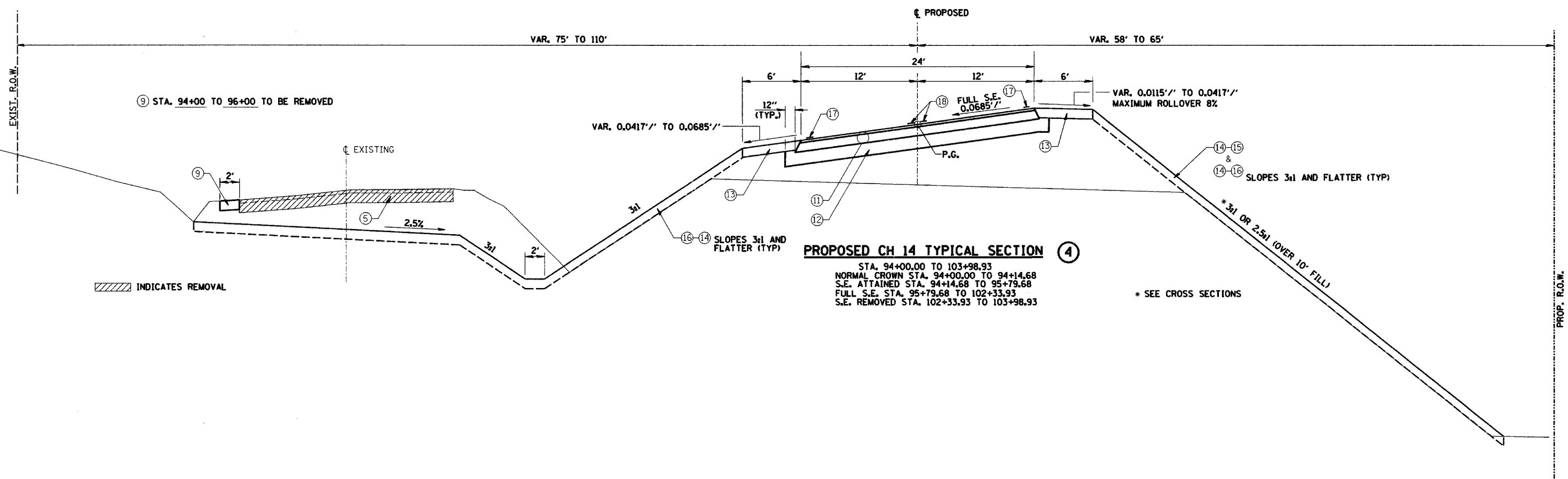
URS Job No.
 21-00001253.01

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
C.H. 14 F.A.S. 209	00-0009I-00-BR	MERCER	III	9
FED. ROAD DIST. NO.	ILLINOIS PROJECT			

CONTRACT NO. 89312



PROPOSED CH 14 TYPICAL SECTION ③
 STA. 90+50.00 TO 94+00.00
 FULL S.E. STA. 90+50.00 TO 92+02.62
 S.E. REMOVED STA. 92+02.62 TO 93+52.62
 NORMAL CROWN STA. 93+52.62 TO 94+00.00



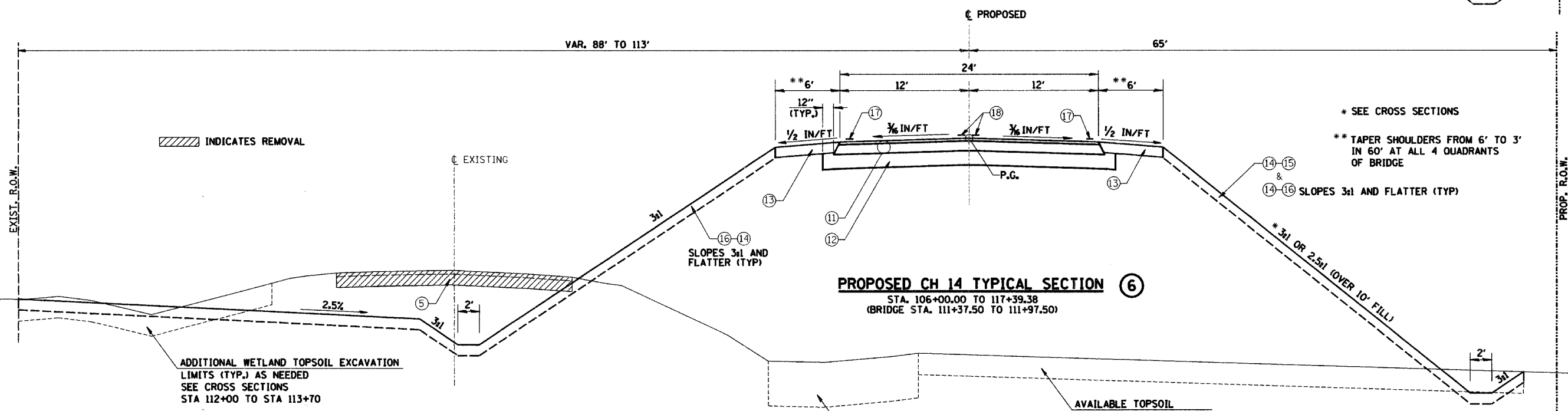
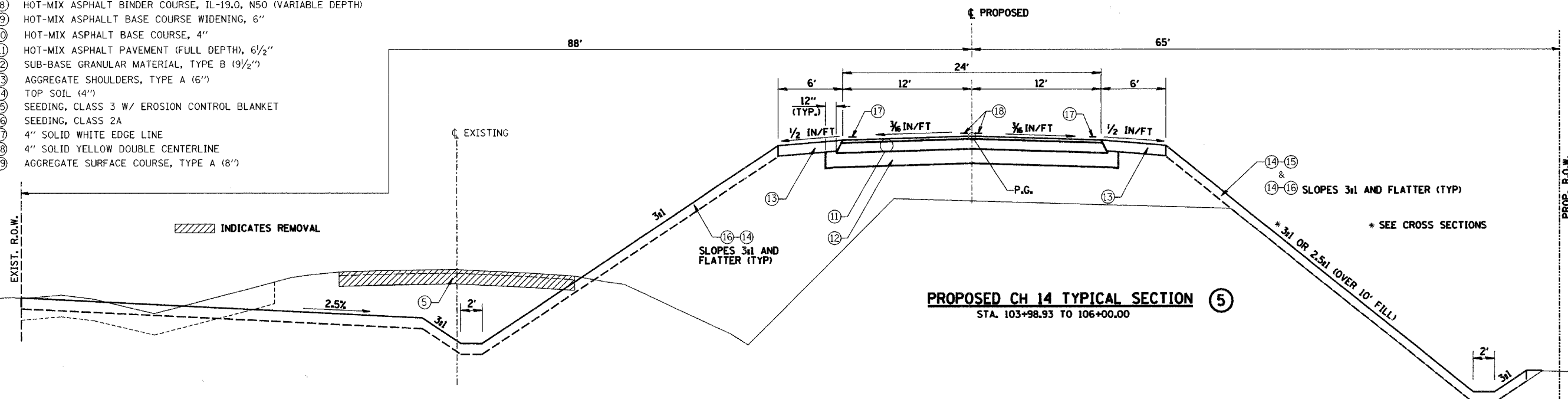
PROPOSED CH 14 TYPICAL SECTION ④
 STA. 94+00.00 TO 103+98.93
 NORMAL CROWN STA. 94+00.00 TO 94+14.68
 S.E. ATTAINED STA. 94+14.68 TO 95+79.68
 FULL S.E. STA. 95+79.68 TO 102+33.93
 S.E. REMOVED STA. 102+33.93 TO 103+98.93

PROPOSED TYPICAL SECTIONS		
Date	Designed: SMK	F.A.S. 209 (C.H. 14) OVER KEATING CREEK NEW BOSTON ROAD SECTION 00-0009I-00-BR MERCER COUNTY
Revisions	Drawn: MEC	
	Checked: SMK	
	Approved: SMK	
Prepared by:	URS 345 East Ash Avenue Decatur, IL 62526	URS Job No. 21-00001253.01

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
C.H. 14 F.A.S. 209	00-00091-00-BR	MERCER	III	10
FED. ROAD DIST. NO.	ILLINOIS PROJECT			

CONTRACT NO. 89312

- ① EXISTING BITUMINOUS OVERLAY (VARIES 0" TO 6")
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- ⑲ AGGREGATE SURFACE COURSE, TYPE A (8")



INDICATES REMOVAL

INDICATES REMOVAL

ADDITIONAL WETLAND TOPSOIL EXCAVATION LIMITS (TYP.) AS NEEDED SEE CROSS SECTIONS STA 112+00 TO STA 113+70

AVAILABLE EXISTING WETLAND TOPSOIL EXCAVATION LIMITS (TYP.) SEE CROSS SECTIONS STA 111+70 TO STA 113+40

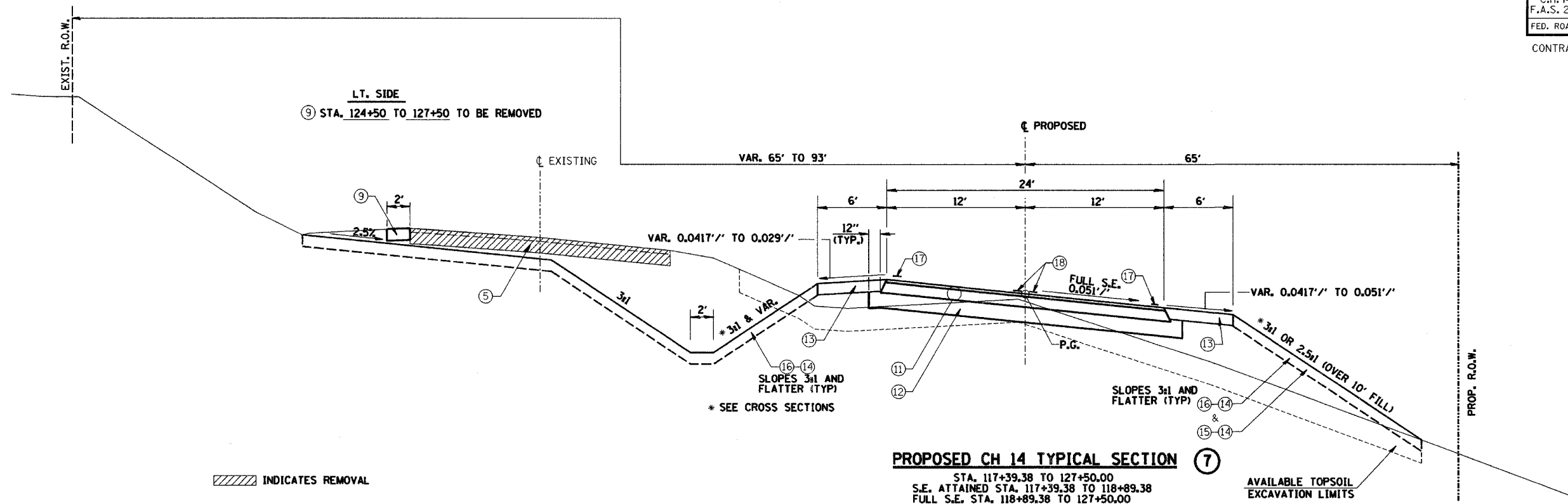
AVAILABLE TOPSOIL EXCAVATION LIMITS (TYP.) SEE CROSS SECTIONS

PROPOSED TYPICAL SECTIONS		
Date	Designed: SMK	F.A.S. 209 (C.H. 14) OVER KEATING CREEK NEW BOSTON ROAD SECTION 00-00091-00-BR MERCER COUNTY
Revisions	Drawn: MEC	
	Checked: SMK	
	Approved: SMK	
Prepared by:		
345 East Ash Avenue Decatur, IL 62526		URS Job No. 21-0000253.01

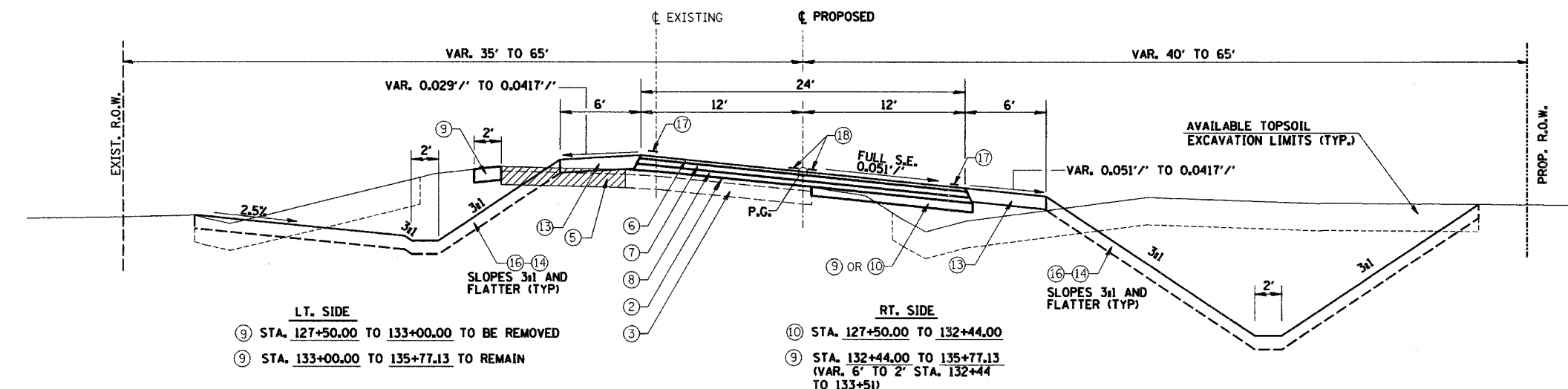


ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
C.H. 14 F.A.S. 209	00-00091-00-BR	MERCER	III	II
FED. ROAD DIST. NO.	ILLINOIS PROJECT			

CONTRACT NO. 89312



INDICATES REMOVAL



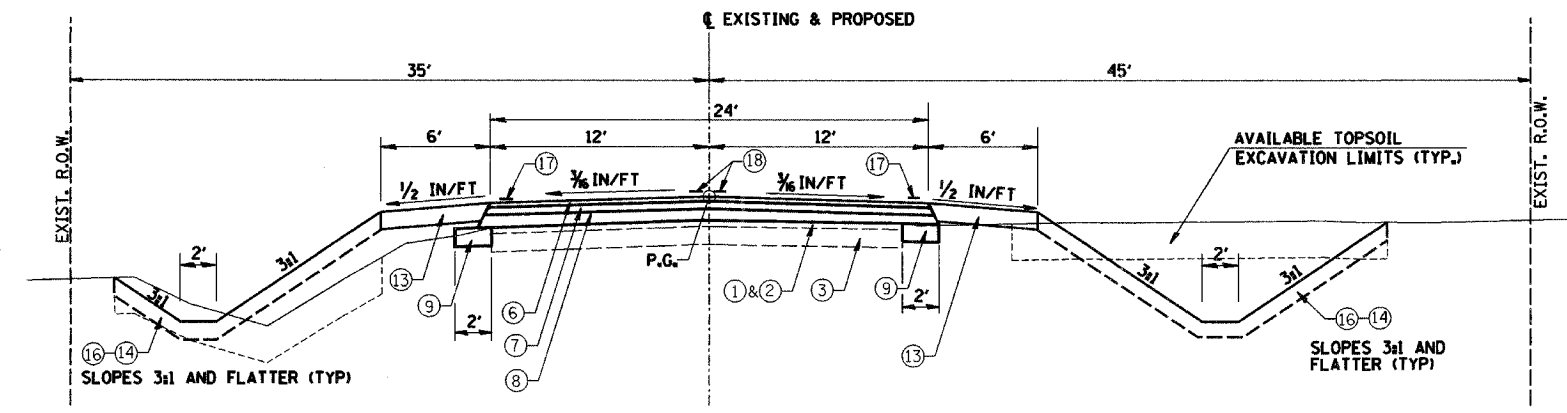
- ① EXISTING BITUMINOUS OVERLAY (VARIES 0" TO 6")
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PROPOSED TYPICAL SECTIONS	
Date	Designed: SMK
Revisions	Drawn: MEC
	Checked: SMK
	Approved: SMK
Prepared by: URS	345 East Ash Avenue Decatur, IL 62526
F.A.S. 209 (C.H. 14) OVER KEATING CREEK NEW BOSTON ROAD SECTION 00-00091-00-BR MERCER COUNTY	
URS Job No. 21-00001253.01	

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
C.H. 14 F.A.S. 209	00-00091-00-BR	MERCER	III	12
FED. ROAD DIST. NO.	ILLINOIS PROJECT			

CONTRACT NO. 89312

- ① EXISTING BITUMINOUS OVERLAY (VARIES 0" TO 6")
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⑨ STA. 135+77.13 TO 136+50.00 TO REMAIN
PROPOSED CH 14 TYPICAL SECTION ⑨
 STA. 135+77.13 TO 136+50.00

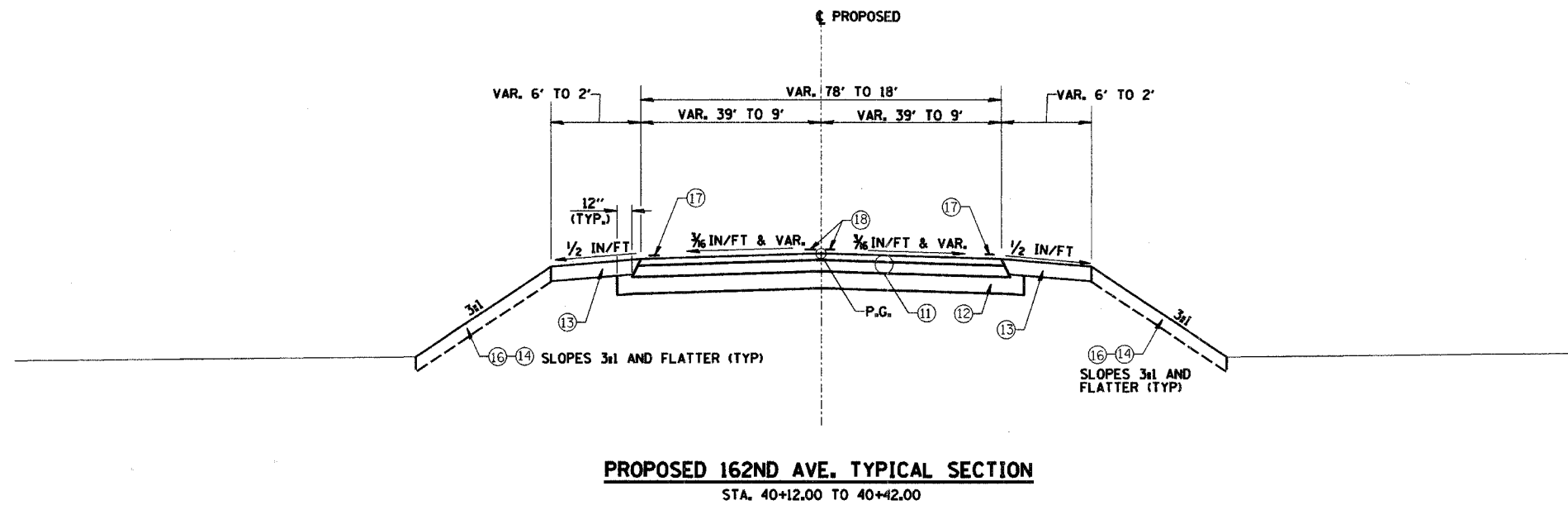
PROPOSED TYPICAL SECTIONS		
Date	Designed: SMK	F.A.S. 209 (C.H. 14) OVER KEATING CREEK NEW BOSTON ROAD SECTION 00-00091-00-BR MERCER COUNTY
Revisions	Drawn: MEC	
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Prepared by:	URS 345 East Ash Avenue Decatur, IL 62526	URS Job No. 21-00001253.01

URS

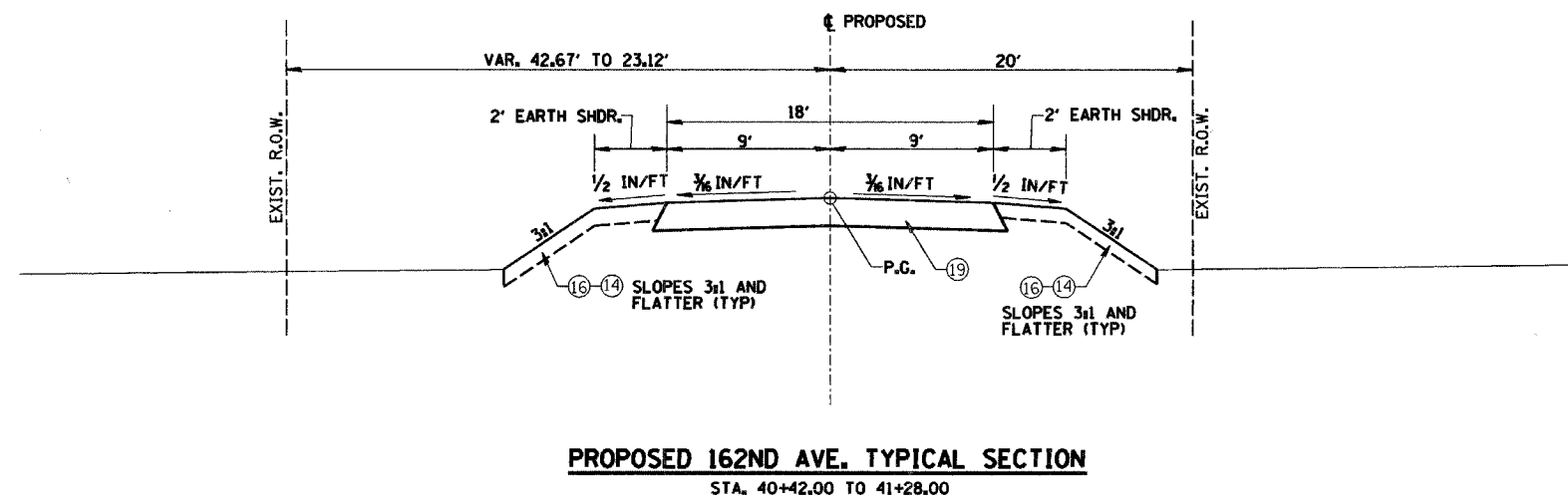
URS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
C.H. 14 F.A.S. 209	00-00091-00-BR	MERCER	III	13
FED. ROAD DIST. NO.	ILLINOIS PROJECT			

CONTRACT NO. 89312



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PROPOSED TYPICAL SECTIONS

Date	Designed: SMK	F.A.S. 209 (C.H. 14) OVER KEATING CREEK NEW BOSTON ROAD SECTION 00-00091-00-BR MERCER COUNTY
Revisions	Drawn: MEC	
	Checked: SMK	
	SMK	
Prepared by:	URS 345 East Ash Avenue Decatur, IL 62526	URS Job No. 21-00001253.01

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
C.H. 14 F.A.S. 209	00-00091-00-BR	MERCER	111	14
FED. ROAD DIST. NO.	ILLINOIS PROJECT			

CONTRACT NO. **89312**

MAINLINE SCHEDULE

LOCATION	SUB GRAN MAT B (TON)	HMA BSE CSE 4" (SQ YD)	HMA BC WID 6" (SQ YD)	BIT MATLS PR CT (GAL)	AGG PR CT (TON)	AGGREGATE SHLDS A (TON)	HMA SC "C" N50 (TON)	HMA BC IL-19.0 N50 (TON)	HMA PVT FD 6 1/2" (SQ YD)	AGG SURF CSE A (TON)	TEMP ACCESS-ROAD (EACH)
87+25 TO 111+67				2794	11.3	1083.3					
LT 87+25 TO LT 90+60			74.5								
LT 90+60 TO LT 96+00			119.1								
RT 87+25 TO RT 91+13			106.0								
RT 91+13 TO RT 93+67		2335									
87+25 TO 95+15 (MOT)								327			
87+25 TO 94+00							203	467			
94+00 TO 100+00	975								1600		
100+00 TO 111+37.51	1848								3033		
111+37.51 TO 111+97.51							23				
111+97.51 TO 115+00	491								807		
111+67 TO 136+50				2634	13.3	1107.8					
115+00 TO 127+50	2030								3200		
127+50 TO 136+50							271	623			
131+25 TO 136+50 (MOT)								624			
RT 127+77 TO RT 132+44		904.1									
RT 132+44 TO RT 136+50			116.9								
LT 124+50 TO LT 133+00			192.0								
LT 133+00 TO LT 136+50			78.1								
162ND AVENUE											1
	65								103		
									79		
TOTALS	5409	1407.3	686.6	* 5428	* 24.6	2191.1	497	2041	8743	* 79	1

* NOT A TOTAL QUANTITY

TRAFFIC STAGING SCHEDULE

LOCATION	BIT MATLS PR CT (GAL)	AGG PR CT (TON)	TEMPORARY RAMP (SQ YD)	** TEMP PVT MK LINE 4 (FOOT)	SHORT-TERM PAVT MKING (FOOT)	WORK ZONE PAVT MK REM (SQ FT)
87+25 TO 100+00	40	1.6		3500	7875	1550
93+20 TO 94+00			213.3			
115+00 TO 128+00	40	1.6		1400		
127+50 TO 128+30			212.7			
128+00 TO 136+50	39	1.6		3400		
124+50 TO 136+50					10800	2100
TOTALS	* 119	* 4.8	426	* 8300	23400	3650

*NOT A TOTAL QUANTITY ** WHITE EDGE LINE

TREE REMOVAL SCHEDULE

LOCATION	TREE REMOV 6 TO 15 (UNIT)	TREE REMOV ACRES (ACRE)
LT 87+25 TO 89+50 BETWEEN EXISTING ROW AND PROPOSED EDGE OF PAVEMENT		0.05
76.5' LT 108+34	7	
75.7' LT 108+39	6	
STA 110+63 TO 111+68 BETWEEN EXISTING EDGE OF PAVEMENT AND CONSTRUCTION LIMITS		0.12
STA 111+68 TO 115+74 BETWEEN EXISTING EDGE OF PAVEMENT AND CONSTRUCTION LIMITS		0.52
STA 112+75 TO 114+05 IN PROPOSED WETRLAND UP TO PROPOSED ROW LIMIT		0.05
TOTALS	13	0.75

TREE REMOVAL ACRES WIDTHS VARY AS SHOWN ON PLANS. CLEAR TREES UP TO CONSTRUCTION LIMITS.

CULVERT REMOVAL SCHEDULE

LOCATION	TYPE	SIZE	REM EXIST CULVERTS (FOOT)
LT STA 96+72	CMP	15"	22
LT STA 103+35	PVC	15"	31
LT STA 105+00	CMP	15"	45
LT STA 105+63	RCP	12"	33
LT STA 124+50 TO LT STA 125+00	RCP	15"	50
LT STA 125+00	RCP	18"	30
LT STA 127+18	CMP	12"	45
RT STA 133+29.8	CMP	15"	30
TOTAL			286

ENTRANCE AND MAILBOX TURNOUT SCHEDULE

LOCATION	TYPE	WIDTH	AGG SURF CSE A (TONS)	TEMP ACCESS - PRIV ENT (EACH)
RT STA 88+26.4	FE	16'	16	1
RT STA 89+73.8	FE	16'	19	1
LT STA 103+35.0	PE	10'	47	1
LT STA 104+85.0	PE	11'	128	1
LT STA 109+50.0	FE	16'	42	1
RT STA 109+50.0	FE	16'	63	1
RT STA 133+29.8	FE	16'	14	1
RT STA 135+12.5	PE	9'	8	1
RT STA 135+98.8	PE	11'	10	1
TOTALS			*347	9

*NOT A TOTAL QUANTITY

MISCELLANEOUS REMOVAL SCHEDULE

LOCATION	HMA SURF REM BUTT JT (SQ YD)	PAVT REMOVAL SPL (SQ YD)	REM EXIST STRUCT N1 (EACH)	REM EXIST STRUCT N2 (EACH)	REM EXIST STRUCT N3 (EACH)	SPBGR REM (FOOT)
STA 87+25 TO 88+05	198					
LT STA 90+60 TO STA 96+00		119.1				
LT STA 90+60 TO 111+52		4572.7				
STA 94+40 TO STA 95+00	147					
LT STA 99+45 (BOX CULVERT)				1		
LT STA 110+75 TO LT STA 111+53						152
LT STA 111+67			1			
LT STA 111+83 TO 133+00		4574.4				
LT STA 111+83 TO LT STA 112+59						152
LT STA 124+18.16					1	
LT STA 124+50 TO LT STA 133+00		192.0				
STA 125+00 TO STA 125+60	146					
STA 135+70 TO STA 136+50	221					
TOTALS	712	9458.2	1	1	1	304

SCHEDULE OF QUANTITIES

Date	Designed: RLS	F.A.S. 209 (C.H. 14) OVER KEATING CREEK NEW BOSTON ROAD SECTION 00-00091-00-BR MERCER COUNTY
Revisions	Drawn: RLS	
	Checked: SMK	
	Approved: SMK	
Prepared by:	URS	
	345 East Ash Avenue Decatur, IL 62526	URS Job No. 21-00001253.01

CULVERT SCHEDULE															
LOCATION	INV ELEV	PIPE CULVERTS				CL D I 15 (FOOT)	MAN TA 4 DIA TIF CL (EACH)	MAN RECONST SPL (EACH)	PRC FLAR END SEC			R & REIN CON FL ENDS (EACH)	CL D PATCH T2 5 (SQ YD)	CL D PATCH T4 5 (SQ YD)	POROUS GRAN BACKFILL (CU YD)
		CL A 1	CL A 2	CL A 2	CL A 2				18	24	12SP				
		24 (FOOT)	15 (FOOT)	18 (FOOT)	24 (FOOT)				(EACH)	(EACH)	(EACH)				
31.7' LT STA 87+30.0 TO 28.8' LT STA 89+50.0	558.00 558.51	220									1 1				
28.0' RT STA 88+06 TO 28.0' RT STA 88+46	558.38 558.43				40										
114.5' RT STA 111+90.5 TO 110.2' LT STA 112+14.1	561.70 562.16	24									1 1				
47.2' LT STA 103+03.0 TO 46.8' LT STA 103+69.0	555.59 557.60		66												
LT STA 105+25.0 (SKEW)							1				1				
47.0' LT STA 109+14.0 TO 46.4' LT STA 109+86.0	559.69 560.27		72												
24.6' LT STA 124+97.3 45.9' LT STA 125+02.7											13.1		27		
25.7' RT STA 125+00.0 TO 30.3' LT STA 125+00.0 TO 60.3' LT STA 125+00.0	577.96 578.66 578.88			56 30					1 1						
62.26' LT STA 125+00.00	RIM 585.00						1								
15.0' LT STA 127+14.7 TO 35.9' LT STA 127+30.2												37.3	50.5		
66.5' LT STA 124+50.0 TO 62.3' LT STA 125+00.0	582.00 578.88		50												
42.0' LT STA 127+25.0 TO 21.0' LT STA 127+25.0 (TEMP)	584.97 583.70				21					1					
21.0' LT STA 127+25.0 TO 22.0' RT STA 127+25.0	583.70 581.21				43					1					
31.2' RT STA 133+03.6 TO 30.2' RT STA 133+51.6	582.71 582.85					48									
28.3' RT STA 134+93.5 TO 27.4' RT STA 135+31.5	583.28 583.39					38									
TOTALS		244	188	86	64	126	1	1	2	6	1	1	13.1	37.3	77.5

ROUTE NO. C.H. 14 F.A.S. 209	SECTION 00-00091-00-BR	COUNTY MERCER	TOTAL SHEETS 111	SHEET NO. 15
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FED. ROAD DIST. NO. ILLINOIS PROJECT

CONTRACT NO. 89312

EXPLORATION TRENCH 52" DEPTH	
LOCATION	(FOOT)
LT STA 106+15 TO 136+50	3035
TOTALS	3035

PERMANENT SURVEY MARKER SCHEDULE	
LOCATION	PERM SURV MKRS T1 (EACH)
POT STA 87+25.00	1
P.C. STA 89+47.19	1
P.T. STA 92+52.62	1
P.C. STA 95+24.68	1
P.T. STA 102+88.93	1
RT STA 111+45.57 SW BRIDGE ABUT	1
P.C. STA 118+39.38	1
P.T. STA 134+77.13	1
POT STA 136+50.00	1
TOTAL	9

R.O.W. MARKER SCHEDULE	
LOCATION	FUR ERECT ROW MARKERS (EACH)
41.91' RT STA 91+00.00	1
65.00' RT STA 95+24.68	1
65.00' RT STA 102+88.93	1
65.00' RT STA 118+39.38	1
65.00' RT STA 132+00.00	1
39.73' RT STA 132+91.66	1
TOTAL	6

RIPRAP SCHEDULE				
LOCATION	STONE RIPRAP CL A4 (SQ YD)	STONE RIPRAP CL B3 (SQ YD)	RIPRAP, SPL (TON)	FILTER FABRIC (SQ YD)
NORTH EMBANKMENT BRIDGE STA 111+67.50	82			82
SOUTH EMBANKMENT BRIDGE STA 111+67.50	87			87
STREAMBED BRIDGE STA 111+67.50	92			92
PIPE CULVERT STA 98+00		117		
WETLAND PIPE CULVERT STA LT 111+90			4	6
TOTALS	261	117	4	267

SCHEDULE OF QUANTITIES		
Date	Designed: RLS	F.A.S.209 (C.H. 14) OVER KEATING CREEK NEW BOSTON ROAD SECTION 00-00091-00-BR MERCER COUNTY
Revisions	Drawn: RLS	
	Checked: SMK	
	Approved: SMK	
Prepared by: URS	345 East Ash Avenue Decatur, IL 62526	URS Job No. 21-00001253.01

QNOS	
CONSTRUCTION TEST STRIP	2 EACH
MOBILIZATION	1 L SUM
TRAFFIC CONTROL AND PROTECTION STANDARD 701201	1 L SUM
TRAFFIC CONTROL AND PROTECTION STANDARD 701306	1 L SUM
TRAFFIC CONTROL COMPLETE	1 L SUM
TRAFFIC CONTROL SURVEILLANCE	20 CAL DA

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
C.H. 14 F.A.S. 209	00-00091-00-BR	MERCER	111	16
FED. ROAD DIST. NO.	ILLINOIS PROJECT			
CONTRACT NO. 89312				

TREE PLANTING SCHEDULE

LOCATION	T-CELTIS OCCID 1-1/2 (EACH)	T-FRAX PENN SUM 1-1/2 (EACH)	T-JUGLANS NIGRA 1-3/4 (EACH)	T-QUERCUS BICOL 1-1/2 (EACH)	T-QUERCUS PALUS 1-1/2 (EACH)
80.58' LT. STA. 111+92.97	1				
102.88' LT. STA. 111+95.28					1
141.41' LT. STA. 112+03.49	1				
166.55' LT. STA. 112+13.29	1				
93.60' LT. STA. 112+14.01					1
123.03' LT. STA. 112+17.75					1
145.86' LT. STA. 112+25.24					1
190.45' LT. STA. 112+30.95	1				
99.13' LT. STA. 112+34.15					1
169.23' LT. STA. 112+34.51					1
211.68' LT. STA. 112+52.88	1				
189.56' LT. STA. 112+53.06					1
92.71' LT. STA. 112+53.94		1			
168.34' LT. STA. 112+59.30					1
147.65' LT. STA. 112+71.24		1			
124.64' LT. STA. 112+71.60		1			
103.95' LT. STA. 112+71.77		1			
80.76' LT. STA. 112+71.95			1		
202.76' LT. STA. 112+73.20					1
221.87' LT. STA. 112+83.34	1				
184.21' LT. STA. 112+84.97		1			
93.78' LT. STA. 112+89.96		1			
132.31' LT. STA. 112+91.21		1			
166.1945' LT. STA. 112+96.92		1			
112.69' LT. STA. 112+98.34		1			
75.73' LT. STA. 113+00.43			1		
199.37' LT. STA. 113+00.66	1				
94.31' LT. STA. 113+10.64				1	
152.64' LT. STA. 113+13.14				1	
177.79' LT. STA. 113+14.39	1				
111.26' LT. STA. 113+21.88				1	
75.41' LT. STA. 113+22.77			1		
132.84' LT. STA. 113+24.02				1	
94.31' LT. STA. 113+32.22				1	
149.25' LT. STA. 113+36.86	1				
119.46' LT. STA. 113+40.42				1	
94.85' LT. STA. 113+53.97				1	
114.29' LT. STA. 113+60.39				1	
77.37' LT. STA. 113+64.67			1		
98.95' LT. STA. 113+74.12				1	
125.88' LT. STA. 113+82.50			1		
78.08' LT. STA. 113+85.89			1		
105.55' LT. STA. 113+97.30			1		
84.14' LT. STA. 114+07.10			1		
120.53' LT. STA. 114+12.63			1		
TOTALS	9	9	9	9	9

PERMANENT PAVEMENT MARKING SCHEDULE

LOCATION	PAINT PVT MK LINE 4 (FOOT)	TEMP PVT MK LINE 4 (FOOT)
STA 87+25 TO 100+00		
WHITE EDGE LINE	2550	2550
DBL. YELLOW CENTERLINE	2550	2550
STA 100+00 TO 115+00		
WHITE EDGE LINE	3000	3000
DBL. YELLOW CENTERLINE	3000	3000
STA 115+00 TO 128+00 (INCLUDING 162ND AVE.)		
WHITE EDGE LINE	2616	2616
DBL. YELLOW CENTERLINE	2600	2600
STA 128+00 TO 136+50		
WHITE EDGE LINE	1700	1700
DBL. YELLOW CENTERLINE	1700	1700
TOTALS	19716	*19716

*NOT A TOTAL QUANTITY

PERMANENT SEEDING SCHEDULE

LOCATION	SEEDING			WETLAND SEEDING SPL (ACRES)	FERTILIZER NUTRIENTS			AGR GROUND LIMESTONE (TON)	MULCH METHOD 2 (ACRES)	EROSION CONTL BLANKET (SQ YD)
	CL 2A (ACRE)	CL 3 (ACRE)	CL 7 (ACRE)		NITROGEN (LBS)	PHOSPHORUS (LBS)	POTASSIUM (LBS)			
LT STA 87+25 TO LT STA 100+00	1.15		1.15		103.5	103.5	103.5	2.30	1.15	
RT STA 87+25 TO RT STA 92+50	0.18		0.18		16.2	16.2	16.2	0.36	0.18	
RT STA 99+50 TO RT STA 100+00	0.06		0.06		5.4	5.4	5.4	0.12	0.06	
LT STA 100+00 TO LT STA 115+00	2.67		2.67		240.3	240.3	240.3	5.34	2.67	
RT STA 100+00 TO RT STA 102+50	0.16		0.16		14.4	14.4	14.4	0.32	0.16	
RT STA 104+50 TO RT STA 108+00	0.29		0.29		26.1	26.1	26.1	0.58	0.29	
RT STA 112+50 TO RT STA 115+00	0.15		0.15		13.5	13.5	13.5	0.30	0.15	
LT STA 115+00 TO LT STA 128+00	1.51		1.51		135.9	135.9	135.9	3.02	1.51	
RT STA 115+00 TO RT STA 115+50	0.04		0.04		3.6	3.6	3.6	0.08	0.04	
RT STA 118+50 TO RT STA 124+18.16	0.21		0.21		18.9	18.9	18.9	0.42	0.21	
LT STA 128+00 TO LT STA 136+50	0.47		0.47		42.3	42.3	42.3	0.94	0.47	
RT STA 128+00 TO RT STA 136+50	0.50		0.50		45.0	45.0	45.0	1.00	0.50	
RT STA 117+00 TO RT STA 127+25	1.37		1.37		123.3	123.3	123.3	2.74	1.37	
RT STA 92+50 TO RT STA 99+50		0.65	0.65		58.5	58.5	58.5	1.30		3150.5
RT STA 102+50 TO RT STA 104+50		0.14	0.14		12.6	12.6	12.6	0.28		684.5
RT STA 108+00 TO RT STA 112+50		0.34	0.34		30.6	30.6	30.6	0.68		1629.7
RT STA 115+50 TO RT STA 118+50		0.21	0.21		18.9	18.9	18.9	0.42		992.9
RT STA 124+18.16 TO RT STA 128+00		0.36	0.36		32.4	32.4	32.4	0.72		1739.8
LT STA 111+90 TO LT STA 114+10				.52	46.6	46.6	46.6	1.08	.52	
TOTALS	8.75	1.75	10.50		988	988	988	22.0	9.27	* 8197.4

*NOT A TOTAL QUANTITY. SEE EROSION CONTROL SCHEDULE.

GUARDRAIL SCHEDULE

LOCATION	TR BAR TRM T1 SPL TAN (EACH)	TRAF BAR TERM T6A (EACH)	GUARDRAIL REFLECTORS (EACH)	TERMINAL MARKER-DA (EACH)
19' LT. STA. 110+50.02 TO 18' LT. STA. 111+00.02	1		1	1
18' LT. STA. 111+00.02 TO 15' LT. STA. 111+34.10		1	1	
15' LT. STA. 111+86.91 TO 18' LT. STA. 112+20.99		1	1	
18' LT. STA. 112+20.99 TO 19' LT. STA. 112+70.99	1		1	1
19' RT. STA. 110+64.01 TO 18' RT. STA. 111+14.01	1		1	1
18' RT. STA. 111+14.01 TO 15' RT. STA. 111+48.09		1	1	
15' RT. STA. 112+00.90 TO 18' RT. STA. 112+34.98		1	1	
18' RT. STA. 112+34.98 TO 19' RT. STA. 112+84.98	1		1	1
TOTALS	4	4	8	4

SCHEDULE OF QUANTITIES

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	Checked: SMK	
	Approved: SMK	
Prepared by:	URS	345 East Ash Avenue Decatur, IL 62526
		URS Job No. 21-00001253.01

EARTHWORK SCHEDULE NEW BOSTON ROAD

LOCATION	1 TOTAL EXCAVATION (CUT) (COL 3+ COL 4) CU YD	2 TOPSOIL EXCAVATION (SHOWN FOR INFORMATION) NOT A PAY ITEM CU YD	3 TOPSOIL EXCAVATION (SHOWN FOR WETLAND MATERIAL) NOT A PAY ITEM CU YD	4 EARTH EXCAVATION 20200100 CU YD	5 EXCAVATION TO BE USED IN EMBANKMENT (ADJUSTED FOR SHRINKAGE) (COL 4 x 0.75) CU YD	6 EMBANKMENT (FILL) CU YD	7 EARTHWORK BALANCE WASTE (+) OR FURNISHED EXCAVATION (-) (COL 5 - COL 6) CU YD	8 TOPSOIL EXCAVATION AND PLACEMENT CU YD	9 TOPSOIL EXCAVATION TO BE USED IN WETLAND SOIL EMBANKMENT (ADJUSTED FOR SHRINKAGE) (COL 3 x 0.85) CU YD	10 TOPSOIL EXCAVATION AND PLACEMENT SPECIAL (WETLAND SOIL EMBANKMENT) (FILL) X2111100 CU YD	11 TOPSOIL EXCAVATION AND PLACEMENT SPECIAL (EARTHWORK BALANCE) WASTE (+) OR FURNISHED EXCAVATION (-) (WETLAND SOIL) (COL 9 - COL 10) CU YD
CONTRACT TWO STAGE ONE											
TOPSOIL REMOVAL STA. 88+26.42 TO STA. 89+73.75	0	73	0	0	0	0	0	0	0	0	0
TOPSOIL REMOVAL STA. 110+50.00 TO STA. 133+29.79	0	4,914	0	0	0	0	0	0	0	0	0
WETLAND SOIL REMOVAL FROM PROPOSED WETLAND AREA STA. 112+00.00 TO STA. 113+70.00	540	0	540	0	0	0	0	0	459	0	459
WETLAND SOIL REMOVAL FROM EXISTING WETLAND AREA STA. 111+70.00 TO STA. 113+60.00	602	0	602	0	0	0	0	0	512	0	512
WETLAND SOIL PLACEMENT STA. 111+80.00 TO STA. 113+80.00	0	0	0	0	0	0	0	0	0	623	-623
NEW BOSTON RD STA. 87+25.00 TO STA. 111+44.52	186	0	0	186	140	15,381	-15,242	902	0	0	0
NEW BOSTON RD STA. 111+90.48 TO STA. 137+00.00	3,035	0	0	3,035	2,276	17,401	-15,125	766	0	0	0
ENTRANCE STA. 109+50 RT	8	0	0	8	6	1,120	-1,114	0	0	0	0
TEMPORARY STAGE ONE EARTH SHOULDER	0	0	0	0	0	108	108	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
SUBTOTAL	4,371	4,987	1,142	3,229	2,422	34,010	-31,588	1,668	971	623	348
CONTRACT TWO STAGE THREE											
NEW BOSTON RD STA. 87+25.00 TO STA. 137+00.00	10,524	0	0	10,524	7,893	1,668	6,225	2,855	0	0	0
162ND AVENUE STA. TO STA.	414	0	0	414	311	24	287	71	0	0	0
ENTRANCE STA. 103+35 LT	11	0	0	11	8	568	-560	0	0	0	0
ENTRANCE STA. 104+85 RT	0	0	0	0	0	4,807	-4,807	0	0	0	0
ENTRANCE STA. 109+50 RT	5	0	0	5	4	384	-380	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
SUBTOTAL	10,954	0	0	10,954	8,216	7,451	765	2,926	0	0	0
TOTAL	15,325	4,987	1,142	14,183	10,637	41,461	4,594	971	623	348	

EARTH EXCAVATION SHRINKAGE FACTOR = 25%

DESCRIPTION	QUANTITIES
TOPSOIL EXCAVATION	4,987 CU YD
WETLAND MATERIAL EXCAVATION	1,142 CU YD
EARTH EXCAVATION 20200100	14,183 CU YD
FURNISHED EXCAVATION 20400800	31,588 CU YD
TOPSOIL EXCAVATION AND PLACEMENT 21101505	4,594 CU YD
TOPSOIL EXCAVATION AND PLACEMENT SPECIAL	623 CU YD

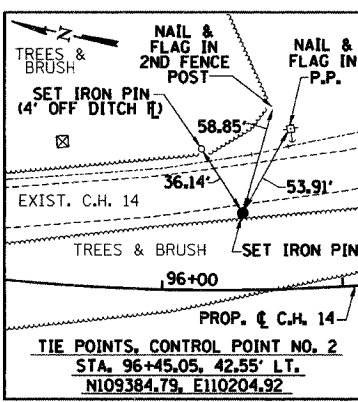
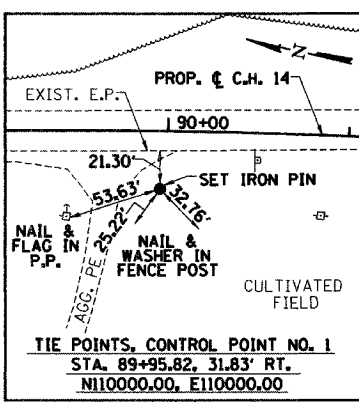
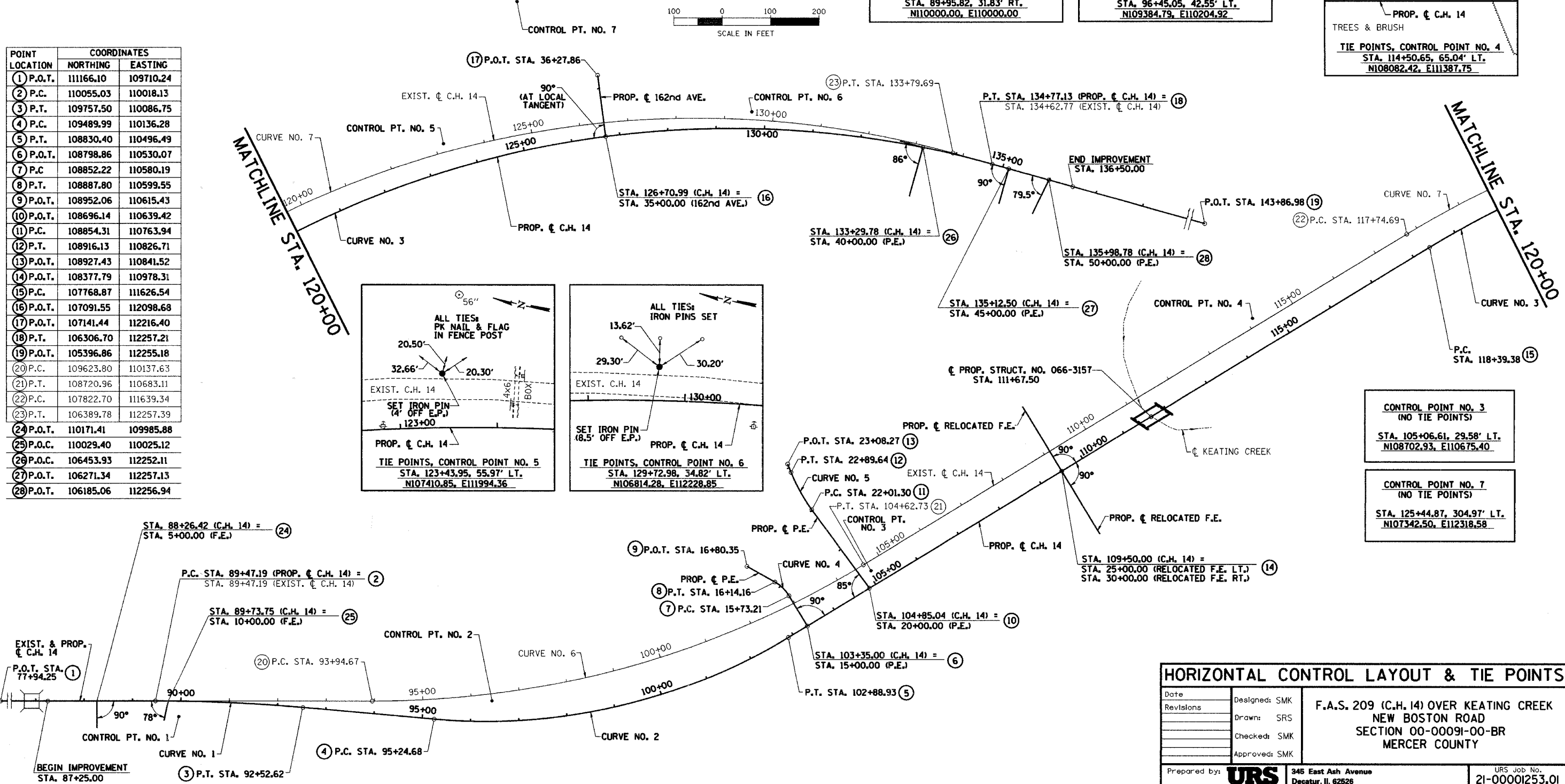
CROSS SECTION LEGEND		
STAGE 1A	STAGE 1B	STAGE 3
TOPSOIL EXCAVATION	TE1A	TE1B
WETLAND MATERIAL EXCAVATION EXISTING	WEE1A	WEE1B
WETLAND MATERIAL EXCAVATION PROPOSED	WEP1A	WEP1B
EARTH EXCAVATION	C1A	C1B
EMBANKMENT	F1A	F1B
TOPSOIL PLACEMENT	TS1A	TS1B
WETLAND TOPSOIL PLACEMENT	WTS1A	WTS1B

SCHEDULE OF QUANTITIES		
Date	Designed: RLS	F.A.S.209 (C.H. 14) OVER KEATING CREEK NEW BOSTON ROAD SECTION 00-00091-00-BR MERCER COUNTY
Revisions	Drawn: RLS	
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Prepared by:		
URS 345 East Ash Avenue Decatur, IL 62526		URS Job No. 21-00001253.01

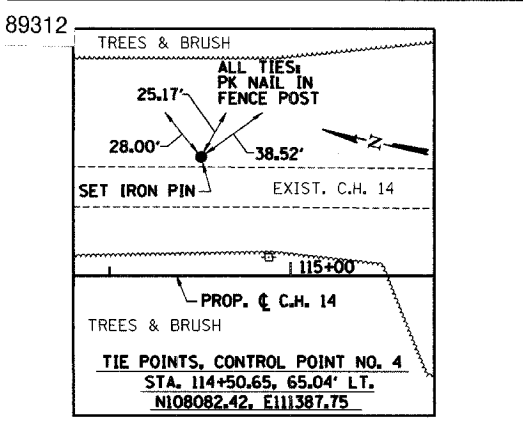
CURVE	NO. 1	CH 14	NO. 2	CH 14	NO. 3	CH 14	NO. 4	ENTRANCE	NO. 5	ENTRANCE	NO. 6	EXISTING	NO. 7	EXISTING
P.I. STA.	91+00.00		99+20.12		127+07.30		15+94.14		22+45.71		99+42.39		126+25.26	
P.I. COORD.	N109907.76, E110058.94		N109101.15, E110208.27		N107174.63, E112259.14		N108867.48, E110594.52		N108889.20, E110791.40		N109095.97, E110283.89		N107240.35, E112259.28	
Δ	5°-00'-00" (RT.)		36°-18'-07" (LT.)		46°-55'-06" (RT.)		29°-19'-39" (LT.)		14°-27'-38" (RT.)		31°-18'-07" (LT.)		46°-55'-05" (RT.)	
D	1°-38'-13"		4°-45'-00"		2°-51'-53"		71°-37'-11"		16°-22'-13"		2°-55'-51"		2°-55'-24"	
T	152.81'		395.45'		867.93'		20.93'		44.40'		20.93'		850.57'	
R	3500.00'		1206.23'		2000.00'		80.00'		350.00'		1955.00'		1960.00'	
L	305.43'		764.26'		1637.75'		40.95'		88.33'		1068.06'		1605.00'	
E	3.33'		63.17'		180.21'		2.69'		2.81'		75.28'		176.60'	
P.C. STA.	89+47.19		95+24.68		118+39.38		15+73.21		22+01.30		93+94.67		117+74.69	
P.T. STA.	92+52.62		102+88.93		134+77.13		16+14.16		22+89.64		104+62.73		133+79.69	
S.E.	3.15% *		6.85% **		5.10% ***		NONE		NONE		N/A		N/A	

*S.E. ATTAINED: STA. 88+47.19 TO STA. 89+97.19
 S.E. REMOVED: STA. 92+02.62 TO STA. 93+52.62
 **S.E. ATTAINED: STA. 94+14.68 TO STA. 95+79.68
 S.E. REMOVED: STA. 102+33.93 TO STA. 103+98.93
 ***S.E. ATTAINED: STA. 117+39.38 TO STA. 118+89.38
 S.E. REMOVED: STA. 134+27.13 TO STA. 135+77.13

POINT LOCATION	COORDINATES	
	NORTHING	EASTING
1 P.O.T.	111166.10	109710.24
2 P.C.	110055.53	110018.13
3 P.T.	109757.50	110086.75
4 P.C.	109489.99	110136.28
5 P.T.	108830.40	110496.49
6 P.O.T.	108798.86	110530.07
7 P.C.	108852.22	110580.19
8 P.T.	108887.80	110599.55
9 P.O.T.	108952.06	110615.43
10 P.O.T.	108696.14	110639.42
11 P.C.	108854.31	110763.94
12 P.T.	108916.13	110826.71
13 P.O.T.	108927.43	110841.52
14 P.O.T.	108377.79	110978.31
15 P.C.	107768.87	111626.54
16 P.O.T.	107091.55	112098.68
17 P.O.T.	107141.44	112216.40
18 P.T.	106306.70	112257.21
19 P.O.T.	105396.86	112255.18
20 P.C.	109623.80	110137.63
21 P.T.	108720.96	110683.11
22 P.C.	107822.70	111639.34
23 P.T.	106389.78	112257.39
24 P.O.T.	110171.41	109985.88
25 P.O.C.	110029.40	110025.12
26 P.O.C.	106453.93	112252.11
27 P.O.T.	106271.34	112257.13
28 P.O.T.	106185.06	112256.94



ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
C.H. 14	00-00091-00-BR	MERCER	III	18
F.A.S. 209				
FED. ROAD DIST. NO.	ILLINOIS	PROJECT		



HORIZONTAL CONTROL LAYOUT & TIE POINTS		
Date	Designed: SMK	F.A.S. 209 (C.H. 14) OVER KEATING CREEK NEW BOSTON ROAD SECTION 00-00091-00-BR MERCER COUNTY
Revisions	Drawn: SRS	
	Checked: SMK	
	Approved: SMK	
Prepared by:	URS 345 East Ash Avenue Decatur, IL 62526	URS Job No. 21-00001253.01

PARCEL 4052004
RANDY L. LOWERY AND PAMELA A. LOWERY

FOR REFERENCE: SEE DEED BOOK 492 PAGE 785
IN MERCER COUNTY RECORDER'S OFFICE
TOTAL AREA REQUIRED = 0.805 AC.±
AREA IN EXISTING R.O.W. = 0.253 AC.±
R.O.W. AREA REQUIRED = 0.552 AC.±
TEMPORARY EASEMENT AREA REQUIRED = 0.463 AC.±
REMAINING AREA = 169.7 AC.±

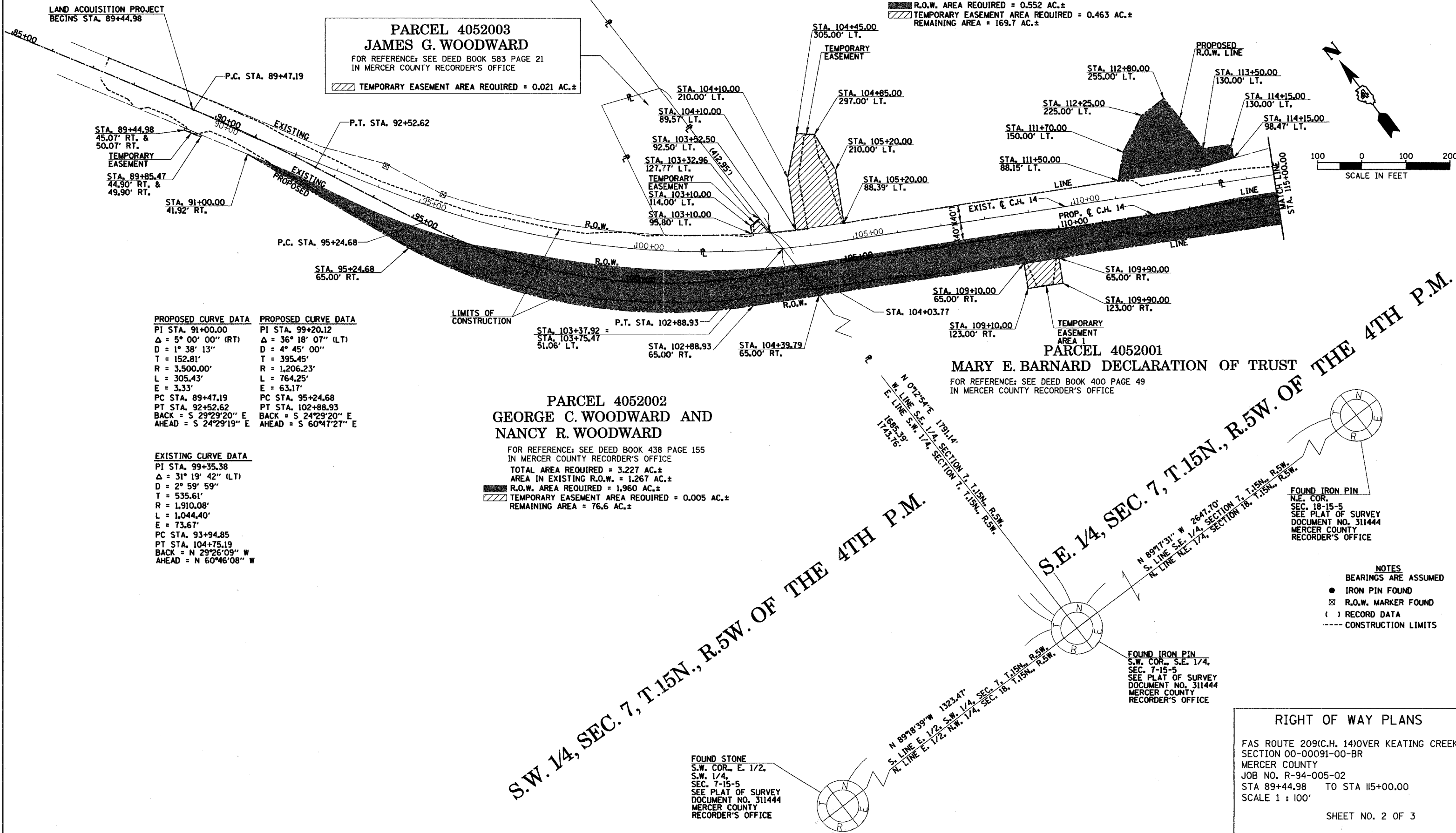
PARCEL 4052003
JAMES G. WOODWARD
FOR REFERENCE: SEE DEED BOOK 583 PAGE 21
IN MERCER COUNTY RECORDER'S OFFICE
TEMPORARY EASEMENT AREA REQUIRED = 0.021 AC.±

PARCEL 4052002
GEORGE C. WOODWARD AND
NANCY R. WOODWARD

FOR REFERENCE: SEE DEED BOOK 438 PAGE 155
IN MERCER COUNTY RECORDER'S OFFICE
TOTAL AREA REQUIRED = 3.227 AC.±
AREA IN EXISTING R.O.W. = 1.267 AC.±
R.O.W. AREA REQUIRED = 1.960 AC.±
TEMPORARY EASEMENT AREA REQUIRED = 0.005 AC.±
REMAINING AREA = 76.6 AC.±

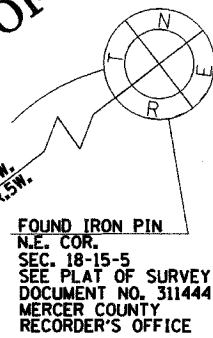
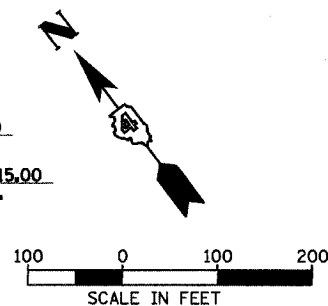
PARCEL 4052001
MARY E. BARNARD DECLARATION OF TRUST

FOR REFERENCE: SEE DEED BOOK 400 PAGE 49
IN MERCER COUNTY RECORDER'S OFFICE



PROPOSED CURVE DATA	PROPOSED CURVE DATA
PI STA. 91+00.00	PI STA. 99+20.12
Δ = 5° 00' 00" (RT)	Δ = 36° 18' 07" (LT)
D = 1° 38' 13"	D = 4° 45' 00"
T = 152.81'	T = 395.45'
R = 3,500.00'	R = 1,206.23'
L = 305.43'	L = 764.25'
E = 3.33'	E = 63.17'
PC STA. 89+47.19	PC STA. 95+24.68
PT STA. 92+52.62	PT STA. 102+88.93
BACK = S 29°29'20" E	BACK = S 24°29'20" E
AHEAD = S 24°29'19" E	AHEAD = S 60°47'27" E

EXISTING CURVE DATA
PI STA. 99+35.38
Δ = 31° 19' 42" (LT)
D = 2° 59' 59"
T = 535.61'
R = 1,910.08'
L = 1,044.40'
E = 73.67'
PC STA. 93+94.85
PT STA. 104+75.19
BACK = N 29°26'09" W
AHEAD = N 60°46'08" W



- NOTES
- BEARINGS ARE ASSUMED
 - IRON PIN FOUND
 - ⊗ R.O.W. MARKER FOUND
 - () RECORD DATA
 - CONSTRUCTION LIMITS

RIGHT OF WAY PLANS
FAS ROUTE 209(C.H. 14) OVER KEATING CREEK
SECTION 00-00091-00-BR
MERCER COUNTY
JOB NO. R-94-005-02
STA 89+44.98 TO STA 115+00.00
SCALE 1 : 100'
SHEET NO. 2 OF 3

PARCEL 4052004
RANDY L. LOWERY AND PAMELA A. LOWERY

FOR REFERENCE: SEE DEED BOOK 492 PAGE 785
IN MERCER COUNTY RECORDER'S OFFICE

PARCEL 4052001
MARY E. BARNARD DECLARATION OF TRUST

FOR REFERENCE: SEE DEED BOOK 400 PAGE 49
IN MERCER COUNTY RECORDER'S OFFICE

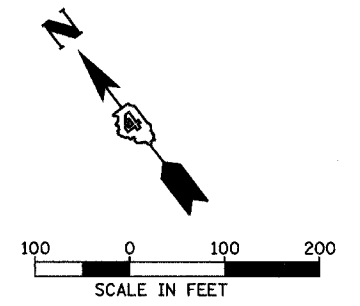
TOTAL AREA REQUIRED = 6.830 AC.±
AREA IN EXISTING R.O.W. = 2.780 AC.±
R.O.W. AREA REQUIRED = 4.050 AC.±
TEMPORARY EASEMENT AREA 1 REQUIRED = 0.107 AC.±
TEMPORARY EASEMENT AREA 2 REQUIRED = 1.815 AC.±
REMAINING AREA = 510.2 AC.±

EXISTING CURVE DATA
PI STA. 125+90.02
Δ = 46° 49' 39" (RT)
D = 2° 59' 59"
T = 827.11'
R = 1910.08'
L = 1561.10'
E = 171.39'
PC STA. 118+24.99
PT STA. 133+63.55
BACK = N 60°46'08" W
AHEAD = S 15°13'07" E

PROPOSED CURVE DATA
PI STA. 127+07.30
Δ = 46° 55' 06" (RT)
D = 2° 51' 53"
T = 867.93'
R = 2000.00'
L = 1637.75'
E = 180.21'
PC STA. 118+39.38
PT STA. 134+77.13
BACK = N 60°47'27" W
AHEAD = N 37°19'54" W

FOUND IRON PIN
SEE SURVEYOR'S REPORT
DEED BOOK 495 PAGE 975
MERCER COUNTY
RECORDER'S OFFICE

FOUND IRON PIN
N.E. COR.
SEC. 18-15-5
SEE PLAT OF SURVEY
DOCUMENT NO. 311444
MERCER COUNTY
RECORDER'S OFFICE



FOUND IRON PIN
S.E. COR., N.E. 1/4,
SEC. 18-15-5
SEE PLAT OF SURVEY
DOCUMENT NO. 311444
MERCER COUNTY
RECORDER'S OFFICE

FOUND IRON PIN
N.W. COR., N.E. 1/4,
SEC. 18-15-5
SEE PLAT OF SURVEY
DOCUMENT NO. 311444
MERCER COUNTY
RECORDER'S OFFICE

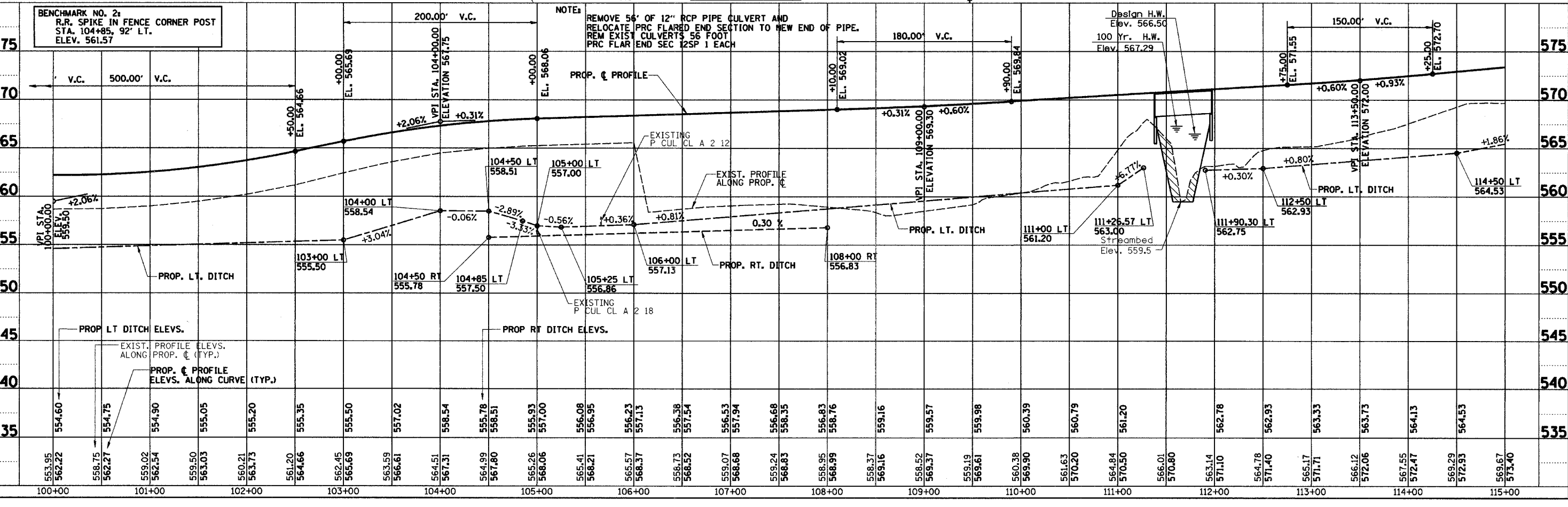
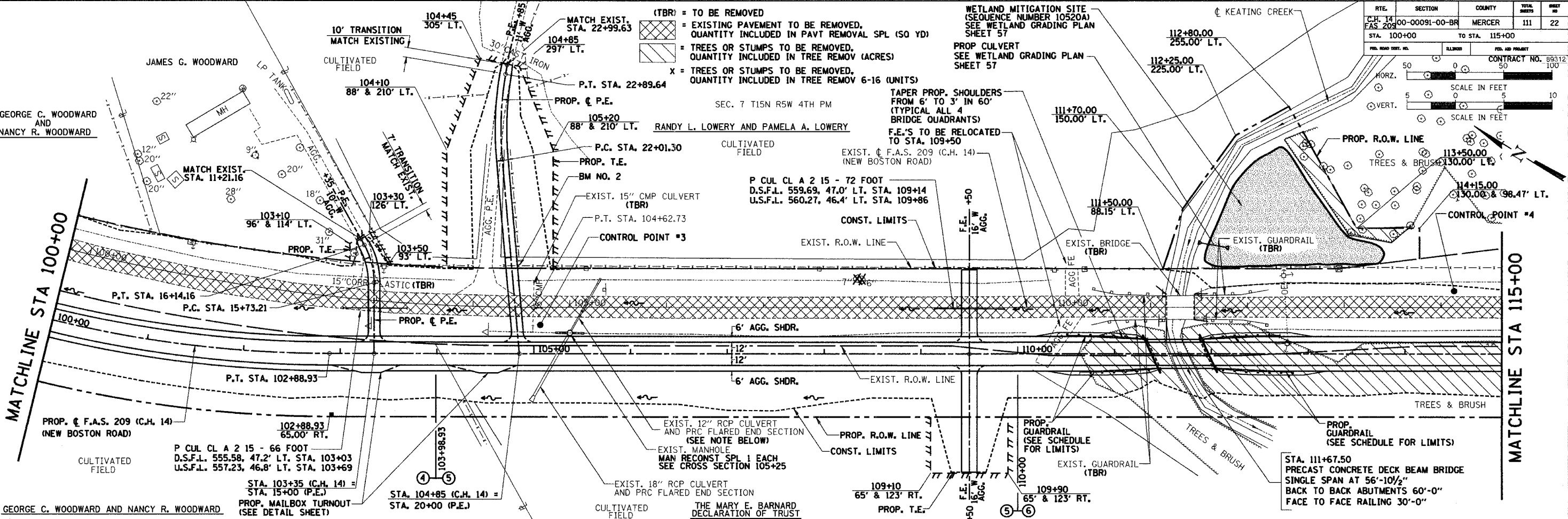
FOUND IRON PIN
N.E. CORNER,
S. 1/2, N.W. 1/4,
SEC. 18-15-5
SEE PLAT OF SURVEY
DOCUMENT NO. 311444
MERCER COUNTY
RECORDER'S OFFICE

- NOTES**
BEARINGS ARE ASSUMED
● IRON PIN FOUND
⊗ R.O.W. MARKER FOUND
() RECORD DATA
- - - CONSTRUCTION LIMITS

RIGHT OF WAY PLANS

FAS ROUTE 209(C.H.14) OVER KEATING CREEK
SECTION 00-00091-00-BR
MERCER COUNTY
JOB NO. R-94-005-02
STA 115+00.00 TO STA 133+00.15
SCALE 1" = 100'

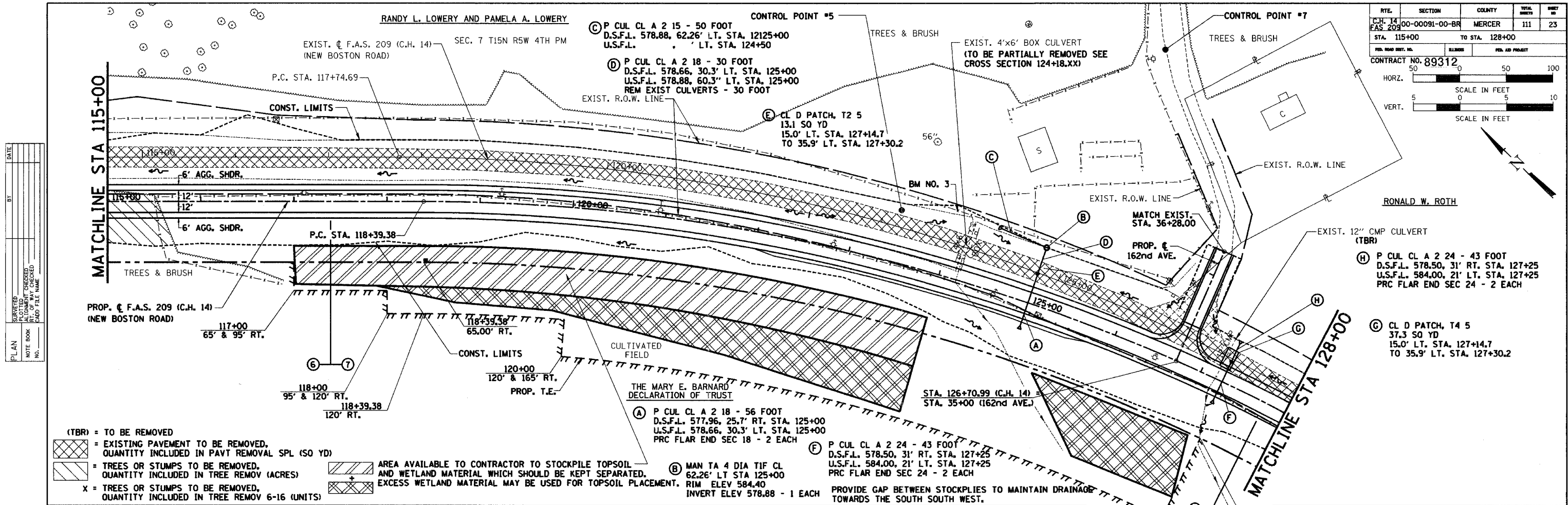
RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
C.H. 14	00-00091-00-BR	MERCER	111	22
F.A.S. 209				
STA. 100+00	TO STA. 115+00			
PBL. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	CONTRACT NO. 89312	
HORIZ.	SCALE IN FEET		1" = 50'	
VERT.	SCALE IN FEET		1" = 5'	



DATE	BY
DATE	BY
DATE	BY
DATE	BY
DATE	BY

DATE	BY
DATE	BY
DATE	BY
DATE	BY
DATE	BY

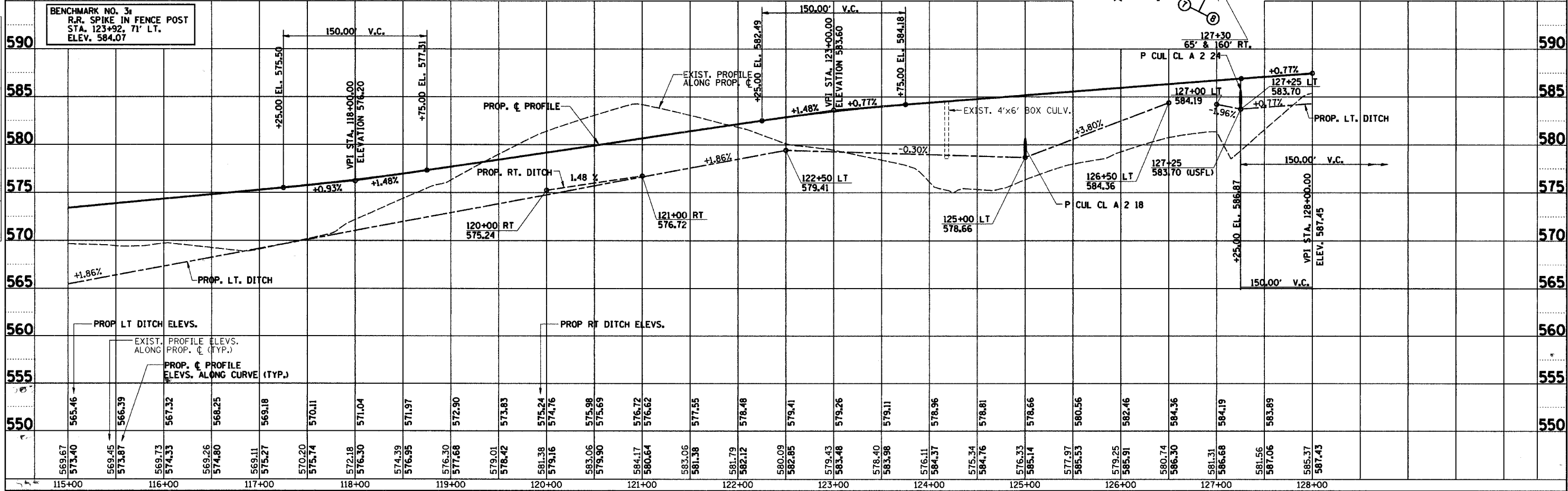
RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
C.H. 14 FAS 209	00-00091-00-BR	MERCER	111	23
STA. 115+00	TO STA. 128+00			
CONTRACT NO. 89312				
HORZ. SCALE IN FEET		50 0 50 100		
VERT. SCALE IN FEET		5 0 5 10		



DATE	BY

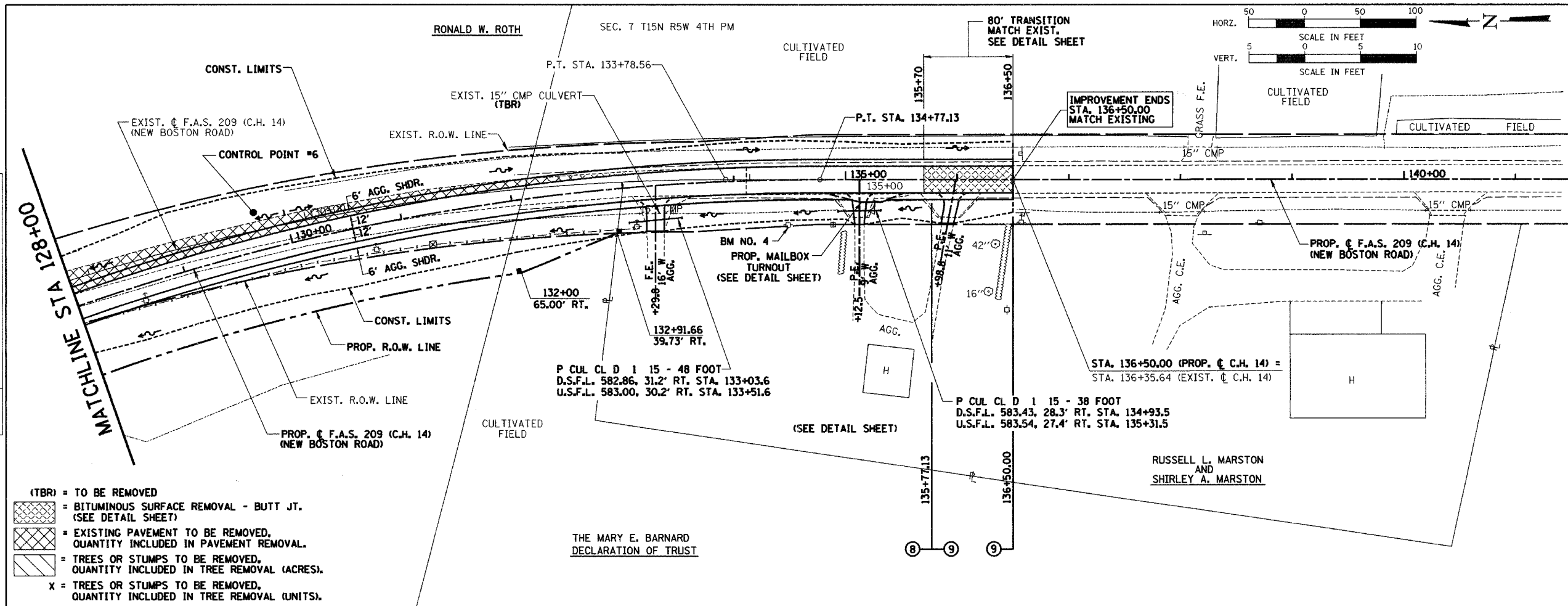
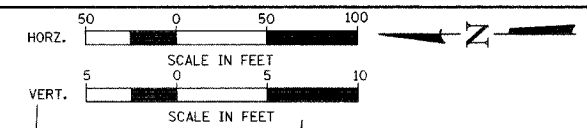
DATE	BY

- (TBR) = TO BE REMOVED
- [Hatched Box] = EXISTING PAVEMENT TO BE REMOVED. QUANTITY INCLUDED IN PAVT REMOVAL SPL (SQ YD)
- [Hatched Triangle] = TREES OR STUMPS TO BE REMOVED. QUANTITY INCLUDED IN TREE REMOV (ACRES)
- [Hatched Square] = TREES OR STUMPS TO BE REMOVED. QUANTITY INCLUDED IN TREE REMOV 6-16 (UNITS)
- [Hatched Circle] = AREA AVAILABLE TO CONTRACTOR TO STOCKPILE TOPSOIL AND WETLAND MATERIAL WHICH SHOULD BE KEPT SEPARATED. EXCESS WETLAND MATERIAL MAY BE USED FOR TOPSOIL PLACEMENT.



STATION	ELEVATION
115+00	569.67
115+10	573.40
115+20	569.45
115+30	573.87
115+40	566.39
115+50	569.73
115+60	574.33
115+70	569.26
115+80	574.80
115+90	569.11
116+00	575.27
116+10	570.20
116+20	575.74
116+30	572.18
116+40	576.30
116+50	574.39
116+60	576.95
116+70	576.30
116+80	577.68
116+90	579.01
117+00	578.42
117+10	581.38
117+20	579.16
117+30	575.98
117+40	579.90
117+50	584.17
117+60	580.64
117+70	583.06
117+80	581.38
117+90	581.79
118+00	582.12
118+10	580.09
118+20	582.85
118+30	579.43
118+40	583.48
118+50	578.40
118+60	583.98
118+70	576.11
118+80	584.37
118+90	575.34
119+00	584.76
119+10	576.33
119+20	585.14
119+30	577.97
119+40	585.53
119+50	579.25
119+60	585.91
119+70	580.74
119+80	586.30
119+90	581.31
120+00	586.68
120+10	581.56
120+20	587.06
120+30	585.37
120+40	587.43

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
C.H. 14	00-00091-00-BR	MERCER	111	24
FAS 209				
STA. 128+00		TO STA. 140+00		
FILE NO. 89312				



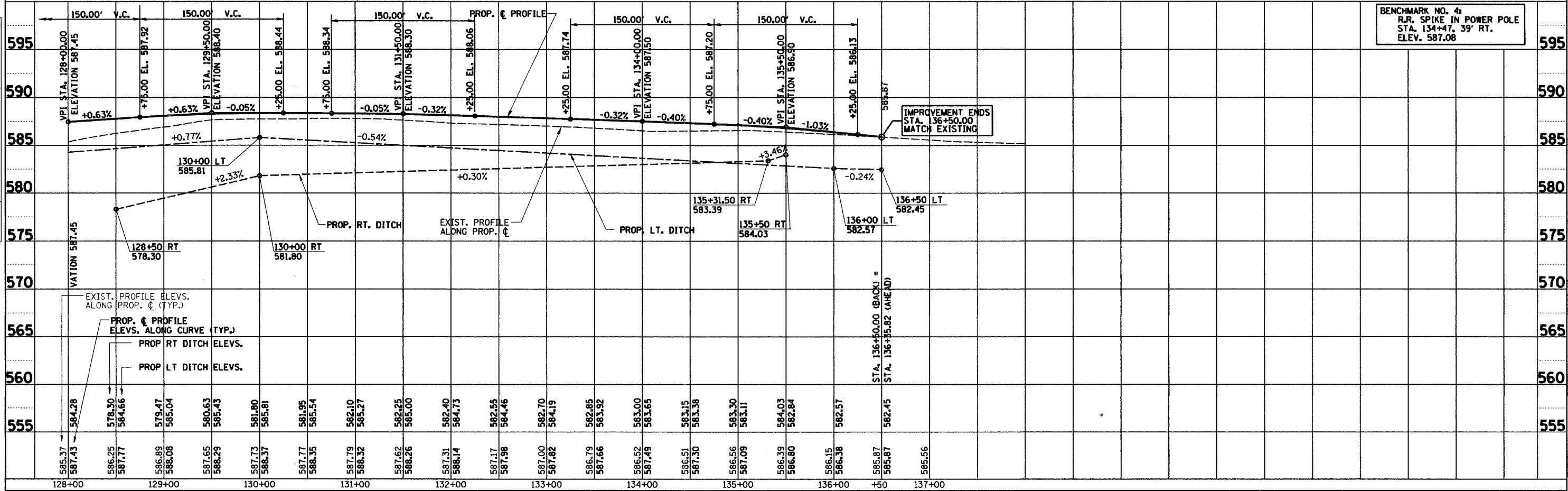
- (TBR) = TO BE REMOVED
- [Cross-hatched] = BITUMINOUS SURFACE REMOVAL - BUTT JT. (SEE DETAIL SHEET)
- [Diagonal lines] = EXISTING PAVEMENT TO BE REMOVED, QUANTITY INCLUDED IN PAVEMENT REMOVAL.
- [Stippled] = TREES OR STUMPS TO BE REMOVED, QUANTITY INCLUDED IN TREE REMOVAL (ACRES).
- X = TREES OR STUMPS TO BE REMOVED, QUANTITY INCLUDED IN TREE REMOVAL (UNITS).

THE MARY E. BARNARD
DECLARATION OF TRUST

RUSSELL L. MARSTON
AND
SHIRLEY A. MARSTON

DATE	BY
DATE	BY

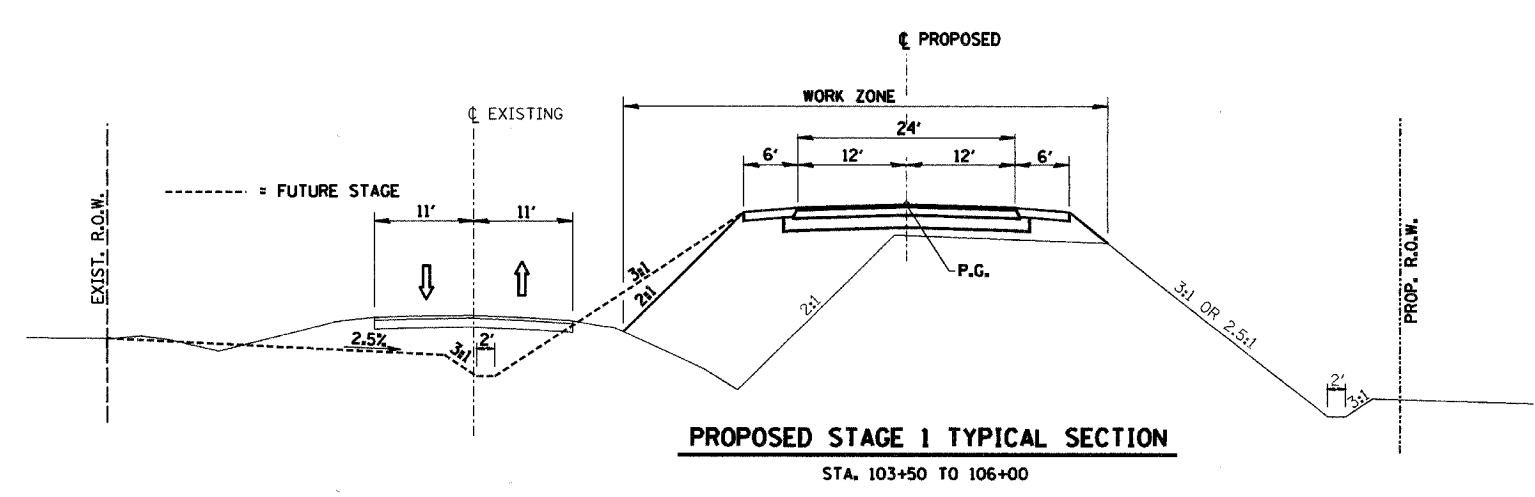
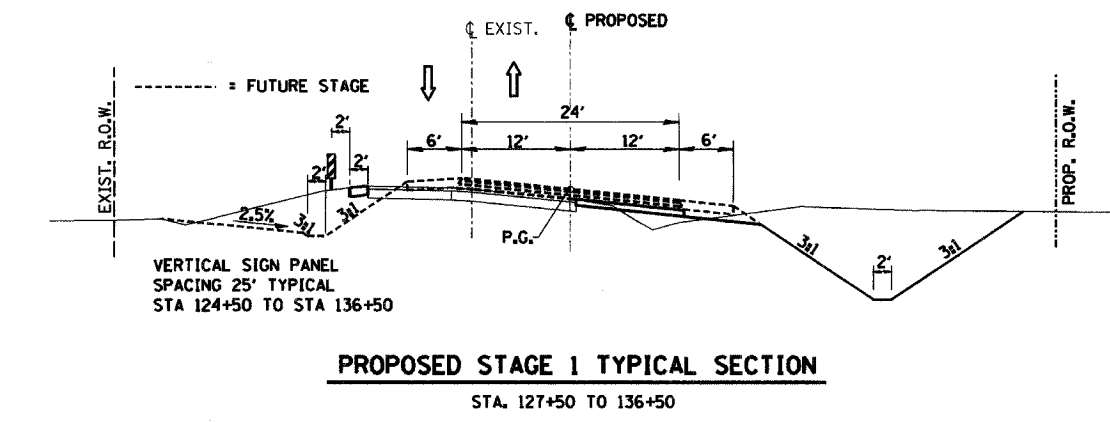
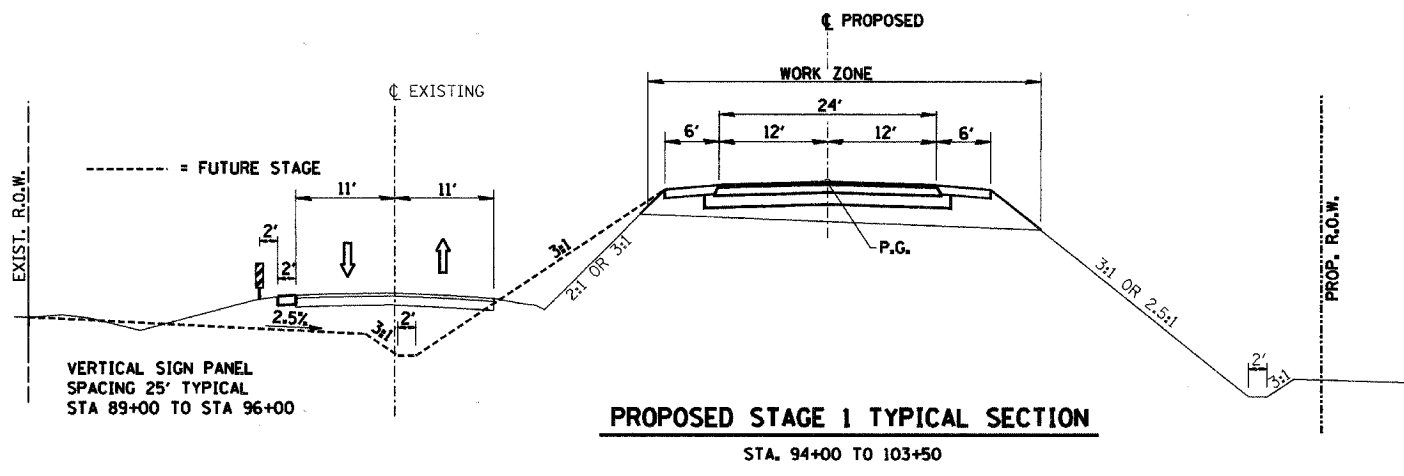
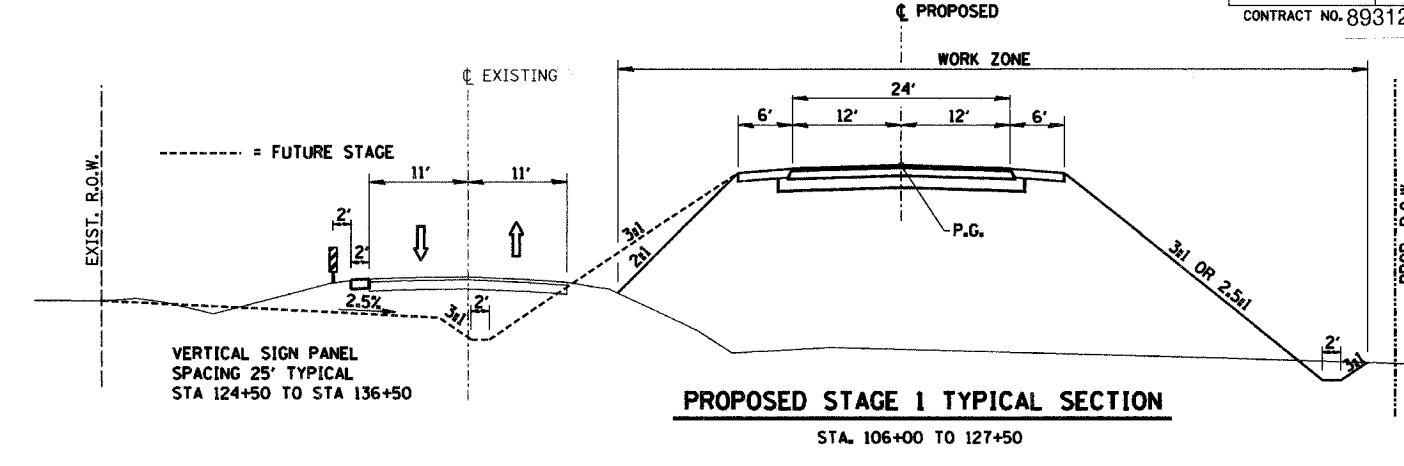
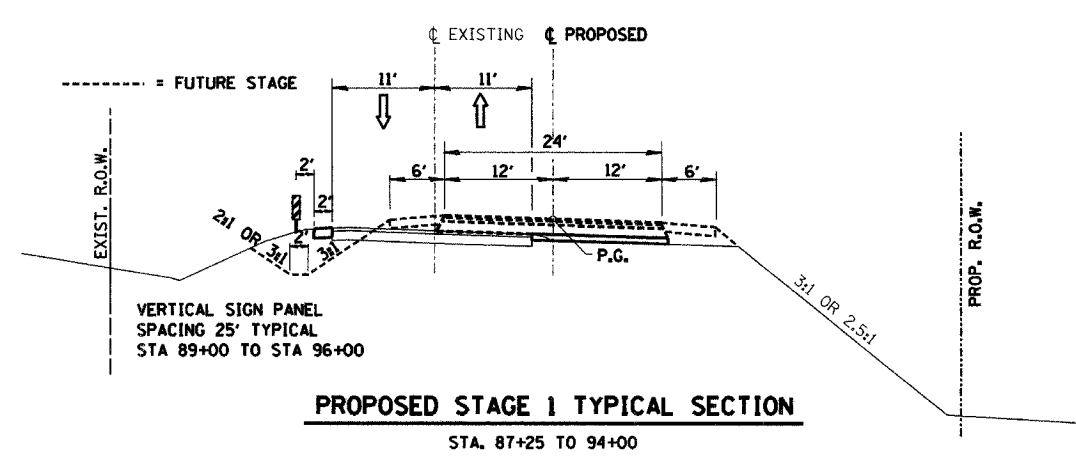
DATE	BY
DATE	BY



BENCHMARK NO. 4
R.R. SPIKE IN POWER POLE
STA. 134+47.39' RT.
ELEV. 587.08

128+00 129+00 130+00 131+00 132+00 133+00 134+00 135+00 136+00 +50 137+00

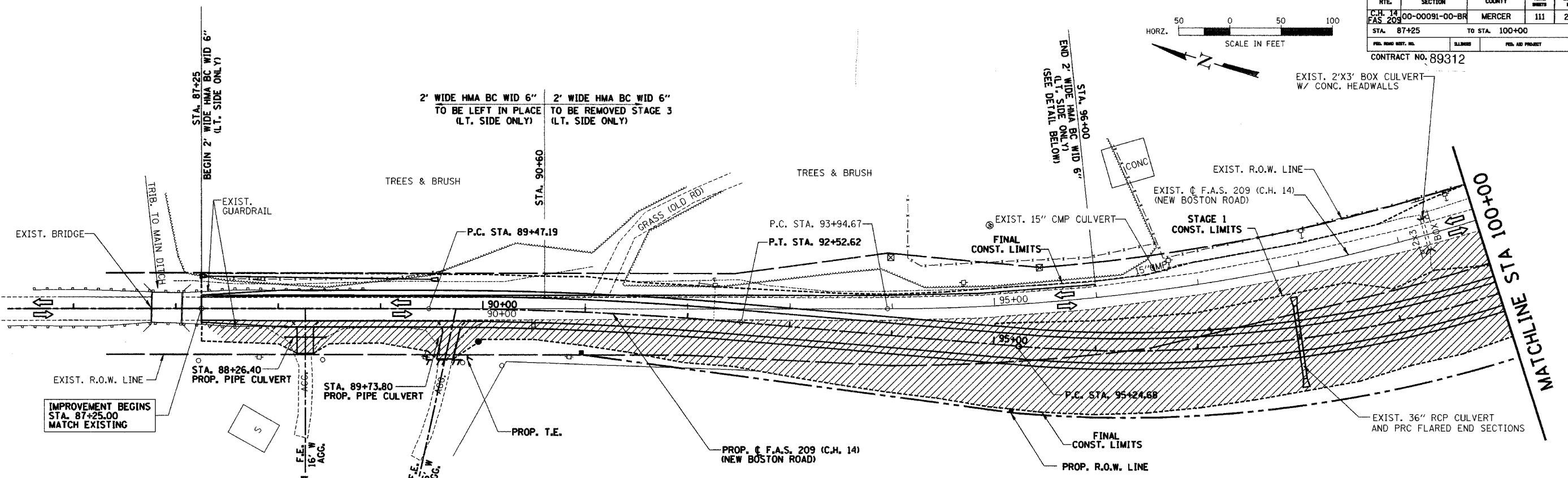
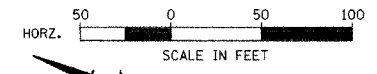
RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
C.H. 14 F.A.S. 209	00-00091-00-BR	MERCER	111	25
STA.	TO STA.		FED. AID PROJECT	
			CONTRACT NO. 89312	



⇒ = DIRECTION OF TRAFFIC

TRAFFIC CONTROL - STAGE I		
Date	Designed: SMK	F.A.S. 209 (C.H. 14) OVER KEATING CREEK NEW BOSTON ROAD SECTION 00-00091-00-BR MERCER COUNTY
Revisions	Drawn: SRS	
	Checked: SMK	
	Approved: SMK	
Prepared by:	URS 345 East Ash Avenue Decatur, IL 62526	URS Job No. 21-00001253.01

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
C.H. 14 F.A.S. 209	00-00091-00-BR	MERCER	111	26
STA. 87+25	TO STA. 100+00			
CONTRACT NO. 89312				

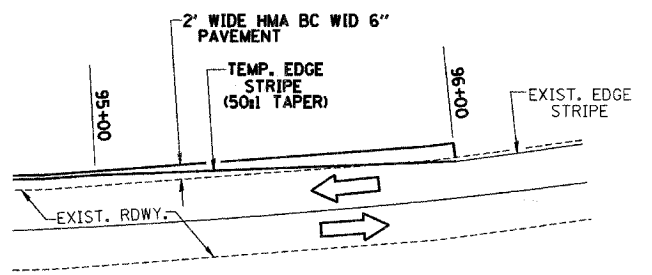


OVERALL STAGE 1

SUGGESTED CONSTRUCTION SEQUENCE

MAINTAIN 2-WAY TRAFFIC ON EXISTING PAVEMENT USING TRAFFIC CONTROL STDS. 701001, 701006, 701011, 701201 & 701301
STA. 87+25 TO 136+50

- 1 PLACE TEMPORARY EROSION CONTROL MEASURES
- 2 REMOVE TREES DESIGNATED IN THE PLANS TO BE REMOVED
- 3 REMOVE AND STOCKPILE WETLAND MATERIAL AS SHOWN IN CROSS SECTIONS
- 4 GRADE WETLAND AND THEN PLACE WETLAND MATERIAL IN PROPOSED WETLAND LT STA 111+90 TO LT STA 113+80
- 5 SEED AND PLANT WETLAND ACCORDING TO PLANS
- 6 CONSTRUCT BRIDGE STA 111+67
- 7 CONSTRUCT NEW CROSS ROAD CULVERT STA 125+00 ALONG WITH TEMPORARY CULVERT AND MANHOLE
- 8 CONSTRUCT PATCH STA 125+00
- 9 CONSTRUCT NEW CROSS ROAD CULVERT STA 127+25 ALONG WITH TEMPORARY CULVERT
- 10 REMOVE EXISTING 12" CMP CULVERT AT STA 127+18.16
- 11 CONSTRUCT PATCH STA 127+25
- 12 CONSTRUCT PIPE CULVERT LT STA 87+30 TO LT 89+50
- 13 CONSTRUCT 2' WIDE HOT-MIX ASPHALT BASE COURSE WIDENING 6" LT STA 87+25 TO LT STA 96+00 AND TEMPORARY EARTH SHOULDER
- 14 CONSTRUCT 2' WIDE HOT-MIX ASPHALT BASE COURSE WIDENING 6" RT STA 87+25 TO RT STA 91+13
- 15 REMOVE AND STOCKPILE TOPSOIL RT STA 106+50 TO STA 133+00
- 16 CONSTRUCT FINAL EARTHWORK UP TO BOTTOM OF SUBGRADE ELEVATION ALONG RT SIDE
- 17 CONSTRUCT TEMPORARY 2:1 SLOPE ON LT SIDE STA 102+50 TO STA STA 126+00
- 18 CONSTRUCT HOT-MIX ASPHALT BASE COURSE WIDENING 6" RT STA 87+25 TO RT STA 91+13
- 19 CONSTRUCT HOT-MIX ASPHALT BASE COURSE WIDENING 6" RT STA 132+44 TO RT STA 136+50
- 20 CONSTRUCT HOT-MIX ASPHALT BASE COURSE 4" RT STA 91+13 TO RT STA 94+00
- 21 CONSTRUCT HOT-MIX ASPHALT BASE COURSE 4" RT STA 127+50 TO RT STA 132+44
- 22 CONSTRUCT FULL DEPTH PAVEMENT STA 94+00 TO STA 127+50
- 23 CONSTRUCT ENTRANCE CULVERT RT STA 88+26.4, MAINTAIN ACCESS
- 24 CONSTRUCT ENTRANCE CULVERT RT STA 133+29.8 AND STA 135+12.5, MAINTAIN ACCESS
- 25 CONSTRUCT AGGREGATE SHOULDERS AND MAILBOX TURNOUTS
- 26 CONSTRUCT F.E. RT STA 109+50
- 27 PLACE TOPSOIL AND FINAL SEEDING ALONG RIGHT SIDE
- 28 CONSTRUCT NEW GUARDRAIL AT BRIDGE
- 29 APPLY FINAL STRIPING STA 94+00 TO 127+00



TEMPORARY PAVEMENT & STRIPING DETAIL

- = HATCHED AREA INDICATES WORK AREA
- = DIRECTION OF TRAFFIC

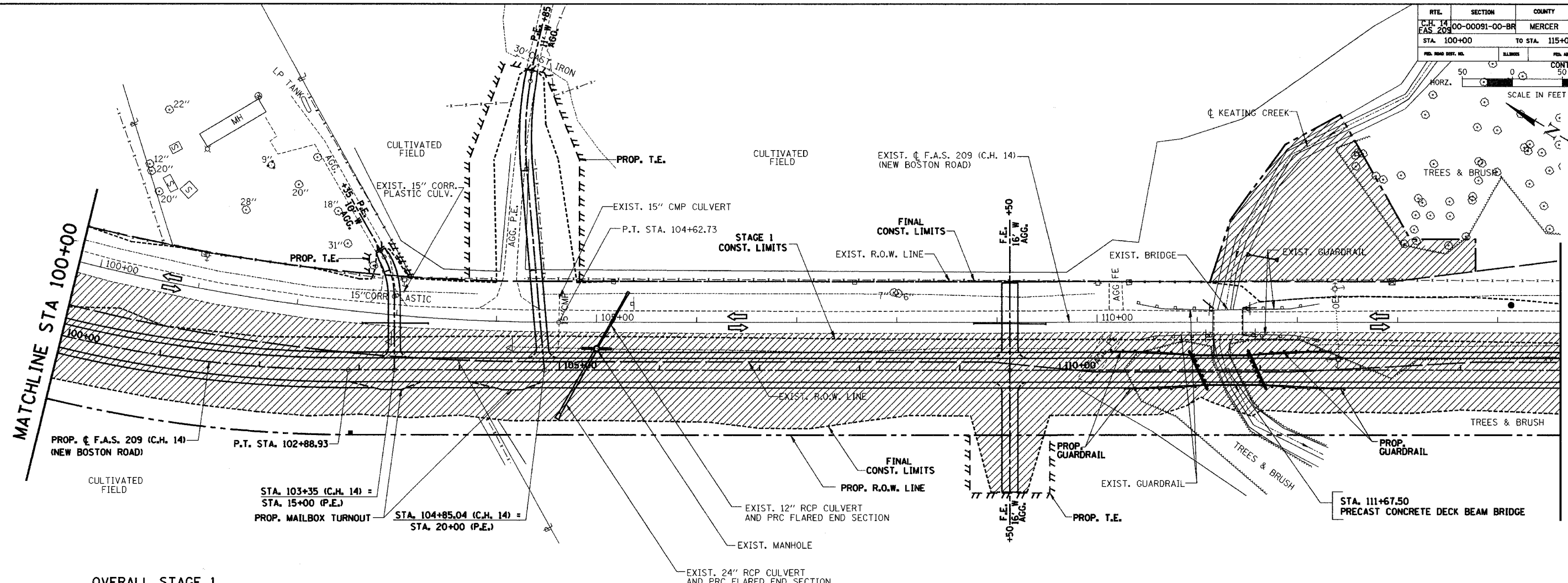
NOTE: LEFT AND RIGHT SIDES OF THE EXISTING TRAFFIC LANES SHALL NOT BE WORKED ON SIMULTANEOUSLY.

LANE CLOSURE, DAY OPERATIONS ONLY
OPEN EXISTING ROADWAY TO TRAFFIC AT NIGHT

TRAFFIC CONTROL - STAGE I

Date	Designed: SMK	F.A.S. 209 (C.H. 14) OVER KEATING CREEK NEW BOSTON ROAD SECTION 00-00091-00-BR MERCER COUNTY
Revisions	Drawn: SRS	
	Checked: SMK	
	App. by: SMK	
Prepared by:	URS 345 East Ash Avenue Decatur, IL 62526	URS Job No. 21-00001253.01

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
C.H. 14 F.A.S. 209	00-00091-00-BR	MERCER	111	27
STA. 100+00 TO STA. 115+00		CONTRACT NO. 89312		
FED. ROAD DIST. NO.		FED. AID PROJECT		



**OVERALL STAGE 1
SUGGESTED CONSTRUCTION SEQUENCE**

MAINTAIN 2-WAY TRAFFIC ON EXISTING PAVEMENT USING TRAFFIC CONTROL STDS. 701001, 701006, 701011, 701201 & 701301
STA. 87+25 TO 136+50

- 1 PLACE TEMPORARY EROSION CONTROL MEASURES
- 2 REMOVE TREES DESIGNATED IN THE PLANS TO BE REMOVED
- 3 REMOVE AND STOCKPILE WETLAND MATERIAL AS SHOWN IN CROSS SECTIONS
- 4 GRADE WETLAND AND THEN PLACE WETLAND MATERIAL IN PROPOSED WETLAND LT STA 111+90 TO LT STA 113+80
- 5 SEED AND PLANT WETLAND ACCORDING TO PLANS
- 6 CONSTRUCT BRIDGE STA 111+67
- 7 CONSTRUCT NEW CROSS ROAD CULVERT STA 125+00 ALONG WITH TEMPORARY CULVERT AND MANHOLE
- 8 CONSTRUCT PATCH STA 125+00
- 9 CONSTRUCT NEW CROSS ROAD CULVERT STA 127+25 ALONG WITH TEMPORARY CULVERT
- 10 REMOVE EXISTING 12" CMP CULVERT AT STA 127+18.16
- 11 CONSTRUCT PATCH STA 127+25
- 12 CONSTRUCT PIPE CULVERT LT STA 87+30 TO LT 89+50
- 13 CONSTRUCT 2' WIDE HOT-MIX ASPHALT BASE COURSE WIDENING 6" LT STA 87+25 TO LT STA 96+00 AND TEMPORARY EARTH SHOULDER
- 14 CONSTRUCT 2' WIDE HOT-MIX ASPHALT BASE COURSE WIDENING 6" LT STA 124+50 TO LT STA 136+50 AND TEMPORARY EARTH SHOULDER
- 15 REMOVE AND STOCKPILE TOPSOIL RT STA 106+50 TO STA 133+00
- 16 CONSTRUCT FINAL EARTHWORK UP TO BOTTOM OF SUBGRADE ELEVATION ALONG RT SIDE
- 17 CONSTRUCT TEMPORARY 2:1 SLOPE ON LT SIDE STA 103+00 TO STA STA 126+00
- 18 CONSTRUCT HOT-MIX ASPHALT BASE COURSE WIDENING 6" RT STA 87+25 TO RT STA 91+13
- 19 CONSTRUCT HOT-MIX ASPHALT BASE COURSE WIDENING 6" RT STA 132+44 TO RT STA 136+50
- 20 CONSTRUCT HOT-MIX ASPHALT BASE COURSE 4" RT STA 91+13 TO RT STA 94+00
- 21 CONSTRUCT HOT-MIX ASPHALT BASE COURSE 4" RT STA 127+50 TO RT STA 132+44
- 22 CONSTRUCT FULL DEPTH PAVEMENT STA 94+00 TO STA 127+50
- 23 CONSTRUCT ENTRANCE CULVERT RT STA 88+26.4, MAINTAIN ACCESS
- 24 CONSTRUCT ENTRANCE CULVERT RT STA 133+29.8 AND STA 135+12.5, MAINTAIN ACCESS
- 25 CONSTRUCT AGGREGATE SHOULDERS AND MAILBOX TURNOUTS
- 26 CONSTRUCT F.E. RT STA 109+50
- 27 PLACE TOPSOIL AND FINAL SEEDING ALONG RIGHT SIDE
- 28 CONSTRUCT NEW GUARDRAIL AT BRIDGE
- 29 APPLY FINAL STRIPING STA 94+00 TO 127+00

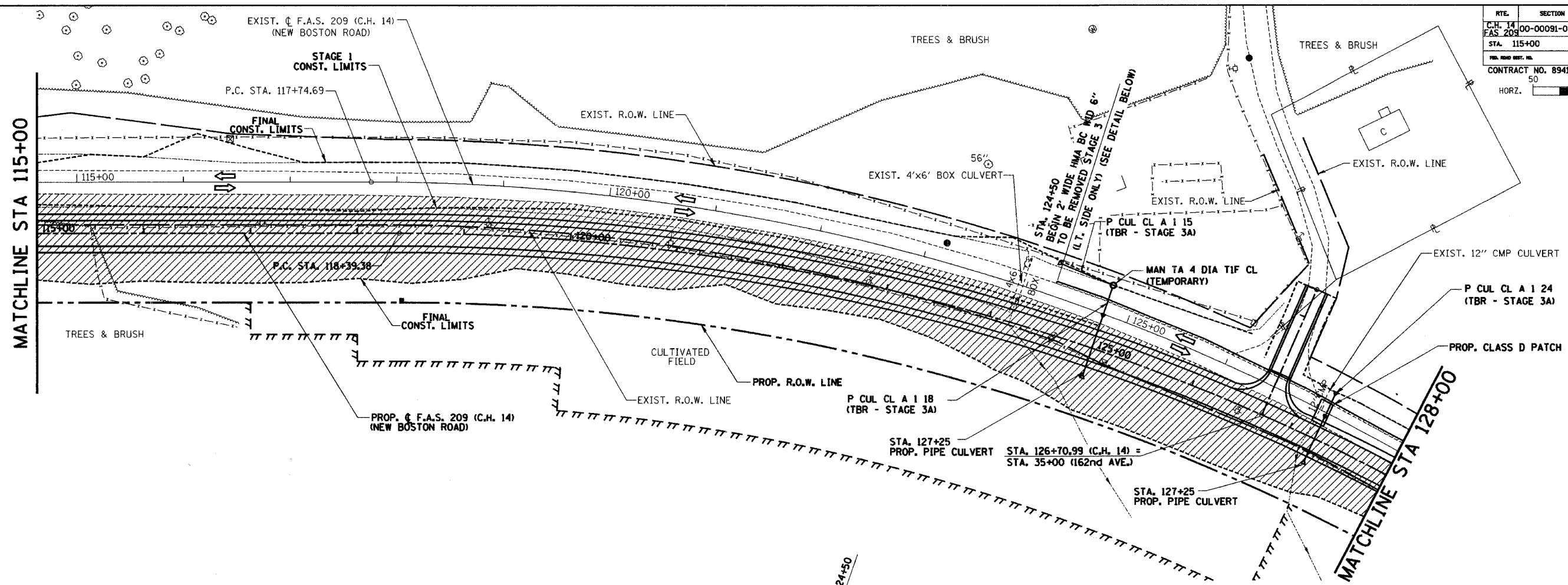
= HATCHED AREA INDICATES WORK AREA
 = DIRECTION OF TRAFFIC

NOTE: LEFT AND RIGHT SIDES OF THE EXISTING TRAFFIC LANES SHALL NOT BE WORKED ON SIMULTANEOUSLY.

LANE CLOSURE, DAY OPERATIONS ONLY
OPEN EXISTING ROADWAY TO TRAFFIC AT NIGHT

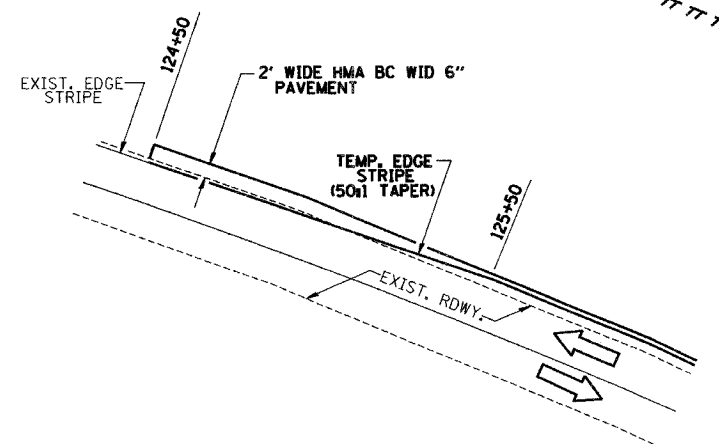
TRAFFIC CONTROL - STAGE I			
Date	Designed: SMK	F.A.S. 209 (C.H. 14) OVER KEATING CREEK NEW BOSTON ROAD SECTION 00-00091-00-BR MERCER COUNTY	
Revisions	Drawn: SRS		
	Checked: SMK		
	Approved: SMK		
Prepared by:	345 East Ash Avenue Decatur, IL 62526	URS Job No.	21-00001253.01

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
C.H. 14 F.A.S. 209	00-00091-00-BR	MERCER	111	28
STA. 115+00	TO STA. 128+00			
CONTRACT NO. 89414		FED. AID PROJECT		
HORZ. SCALE IN FEET 0 50 100				



OVERALL STAGE 1
SUGGESTED CONSTRUCTION SEQUENCE
 MAINTAIN 2-WAY TRAFFIC ON EXISTING PAVEMENT USING TRAFFIC CONTROL STDS. 701001, 701006, 701011, 701201 & 701301
 STA. 87+25 TO 136+50

- 1 PLACE TEMPORARY EROSION CONTROL MEASURES
- 2 REMOVE TREES DESIGNATED IN THE PLANS TO BE REMOVED
- 3 REMOVE AND STOCKPILE WETLAND MATERIAL AS SHOWN IN CROSS SECTIONS
- 4 GRADE WETLAND AND THEN PLACE WETLAND MATERIAL IN PROPOSED WETLAND LT STA 111+90 TO LT STA 113+80
- 5 SEED AND PLANT WETLAND ACCORDING TO PLANS
- 6 CONSTRUCT BRIDGE STA 111+67
- 7 CONSTRUCT NEW CROSS ROAD CULVERT STA 125+00 ALONG WITH TEMPORARY CULVERT AND MANHOLE
- 8 CONSTRUCT PATCH STA 125+00
- 9 CONSTRUCT NEW CROSS ROAD CULVERT STA 127+25 ALONG WITH TEMPORARY CULVERT
- 10 REMOVE EXISTING 12" CMP CULVERT AT STA 127+18.16
- 11 CONSTRUCT PATCH STA 127+25
- 12 CONSTRUCT PIPE CULVERT LT STA 87+30 TO LT 89+50
- 13 CONSTRUCT 2' WIDE HOT-MIX ASPHALT BASE COURSE WIDENING 6" LT STA 87+25 TO LT STA 96+00 AND TEMPORARY EARTH SHOULDER
- 14 CONSTRUCT 2' WIDE HOT-MIX ASPHALT BASE COURSE WIDENING 6" RT STA 87+25 TO RT STA 91+13
- 15 REMOVE AND STOCKPILE TOPSOIL RT STA 106+50 TO STA 133+00
- 16 CONSTRUCT FINAL EARTHWORK UP TO BOTTOM OF SUBGRADE ELEVATION ALONG RT SIDE
- 17 CONSTRUCT TEMPORARY 2:1 SLOPE ON LT SIDE STA 103+00 TO STA 126+00
- 18 CONSTRUCT HOT-MIX ASPHALT BASE COURSE WIDENING 6" RT STA 87+25 TO RT STA 91+13
- 19 CONSTRUCT HOT-MIX ASPHALT BASE COURSE WIDENING 6" RT STA 132+44 TO RT STA 136+50
- 20 CONSTRUCT HOT-MIX ASPHALT BASE COURSE 4" RT STA 91+13 TO RT STA 94+00
- 21 CONSTRUCT HOT-MIX ASPHALT BASE COURSE 4" RT STA 127+50 TO RT STA 132+44
- 22 CONSTRUCT FULL DEPTH PAVEMENT STA 94+00 TO STA 127+50
- 23 CONSTRUCT ENTRANCE CULVERT RT STA 88+26.4, MAINTAIN ACCESS
- 24 CONSTRUCT ENTRANCE CULVERT RT STA 133+29.8 AND STA 135+12.5, MAINTAIN ACCESS
- 25 CONSTRUCT AGGREGATE SHOULDERS AND MAILBOX TURNOUTS
- 26 CONSTRUCT F.E. RT STA 109+50
- 27 PLACE TOPSOIL AND FINAL SEEDING ALONG RIGHT SIDE
- 28 CONSTRUCT NEW GUARDRAIL AT BRIDGE
- 29 APPLY FINAL STRIPING STA 94+00 TO 127+00



TEMPORARY PAVEMENT & STRIPING DETAIL

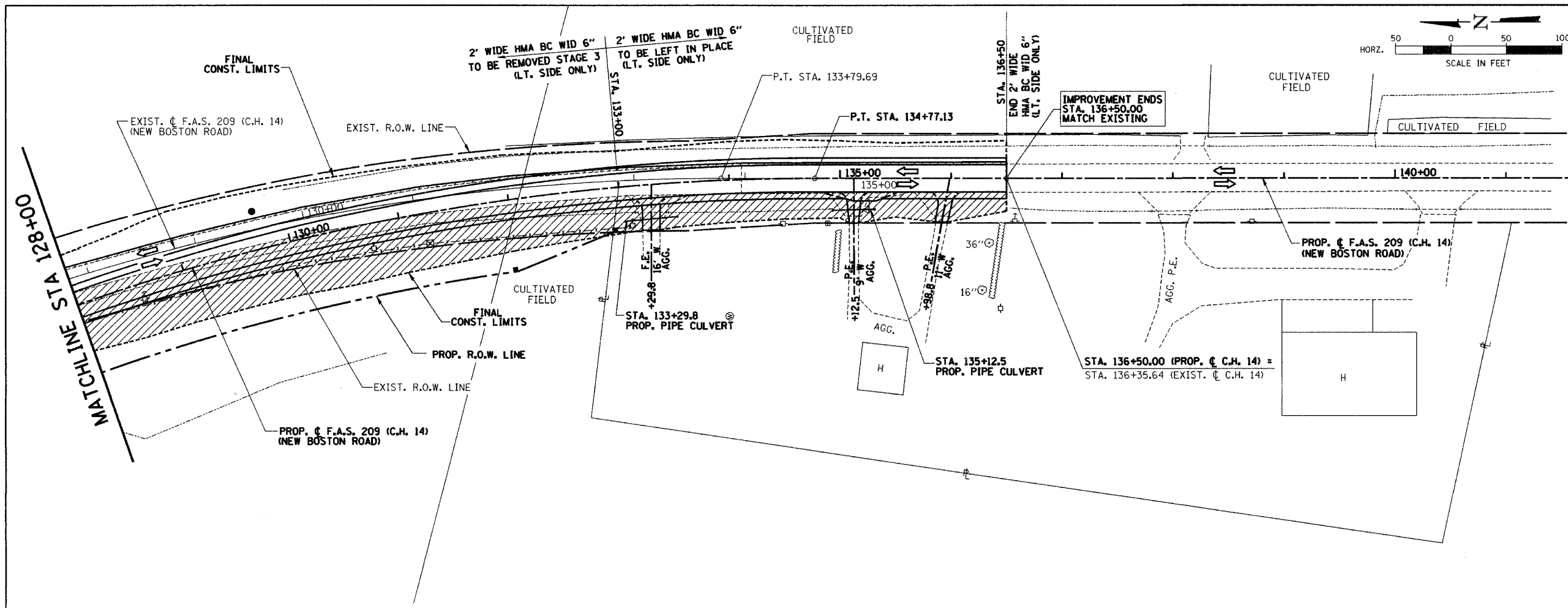
NOTE: LEFT AND RIGHT SIDES OF THE EXISTING TRAFFIC LANES SHALL NOT BE WORKED ON SIMULTANEOUSLY.

LANE CLOSURE, DAY OPERATIONS ONLY
 OPEN EXISTING ROADWAY TO TRAFFIC AT NIGHT

= HATCHED AREA INDICATES WORK AREA
 = DIRECTION OF TRAFFIC

TRAFFIC CONTROL - STAGE I			
Date	Designed: SMK	F.A.S. 209 (C.H. 14) OVER KEATING CREEK NEW BOSTON ROAD SECTION 00-00091-00-BR MERCER COUNTY	
Revisions	Drawn: SRS		
	Checked: SMK		
	Approved: SMK		
Prepared by:	345 East Ash Avenue Decatur, IL 62526	URS Job No. 21-00001253.01	

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
C.H. 14 F.A.S. 209	00-00091-00-BR	MERCER	111	29
STA. 128+00	TO STA. 140+00			
FED. ROAD DIST. NO.	BLK/SEG	FED. AID PROJECT		
CONTRACT NO. 89312				



OVERALL STAGE 1
SUGGESTED CONSTRUCTION SEQUENCE

MAINTAIN 2-WAY TRAFFIC ON EXISTING PAVEMENT USING TRAFFIC CONTROL STDS. 701001, 701006, 701011, 701201 & 701301
STA. 87+25 TO 136+50

- 1 PLACE TEMPORARY EROSION CONTROL MEASURES
- 2 REMOVE TREES DESIGNATED IN THE PLANS TO BE REMOVED
- 3 REMOVE AND STOCKPILE WETLAND MATERIAL AS SHOWN IN CROSS SECTIONS
- 4 GRADE WETLAND AND THEN PLACE WETLAND MATERIAL IN PROPOSED WETLAND LT STA 111+90 TO LT STA 113+80
- 5 SEED AND PLANT WETLAND ACCORDING TO PLANS
- 6 CONSTRUCT BRIDGE STA 111+67
- 7 CONSTRUCT NEW CROSS ROAD CULVERT STA 125+00 ALONG WITH TEMPORARY CULVERT AND MANHOLE
- 8 CONSTRUCT PATCH STA 125+00
- 9 CONSTRUCT NEW CROSS ROAD CULVERT STA 127+25 ALONG WITH TEMPORARY CULVERT
- 10 REMOVE EXISTING 12" CMP CULVERT AT STA 127+18.16
- 11 CONSTRUCT PATCH STA 127+25
- 12 CONSTRUCT PIPE CULVERT LT STA 87+30 TO LT 89+50
- 13 CONSTRUCT 2' WIDE HOT-MIX ASPHALT BASE COURSE WIDENING 6" LT STA 87+25 TO LT STA 96+00 AND TEMPORARY EARTH SHOULDER
- 14 CONSTRUCT 2' WIDE HOT-MIX ASPHALT BASE COURSE WIDENING 6" RT STA 124+50 TO LT STA 136+50 AND TEMPORARY EARTH SHOULDER
- 15 REMOVE AND STOCKPILE TOPSOIL RT STA 106+50 TO STA 133+00
- 16 CONSTRUCT FINAL EARTHWORK UP TO BOTTOM OF SUBGRADE ELEVATION ALONG RT SIDE
- 17 CONSTRUCT TEMPORARY 2:1 SLOPE ON LT SIDE STA 103+00 TO STA 126+00
- 18 CONSTRUCT HOT-MIX ASPHALT BASE COURSE WIDENING 6" RT STA 87+25 TO RT STA 91+13
- 19 CONSTRUCT HOT-MIX ASPHALT BASE COURSE WIDENING 6" RT STA 132+44 TO RT STA 136+50
- 20 CONSTRUCT HOT-MIX ASPHALT BASE COURSE 4" RT STA 91+13 TO RT STA 94+00
- 21 CONSTRUCT HOT-MIX ASPHALT BASE COURSE 4" RT STA 127+50 TO RT STA 132+44
- 22 CONSTRUCT FULL DEPTH PAVEMENT STA 94+00 TO STA 127+50
- 23 CONSTRUCT ENTRANCE CULVERT RT STA 88+26.4, MAINTAIN ACCESS
- 24 CONSTRUCT ENTRANCE CULVERT RT STA 133+29.8 AND STA 135+12.5, MAINTAIN ACCESS
- 25 CONSTRUCT AGGREGATE SHOULDERS AND MAILBOX TURNOUTS
- 26 CONSTRUCT F.E. RT STA 109+50
- 27 PLACE TOPSOIL AND FINAL SEEDING ALONG RIGHT SIDE
- 28 CONSTRUCT NEW GUARDRAIL AT BRIDGE
- 29 APPLY FINAL STRIPING STA 94+00 TO 127+00

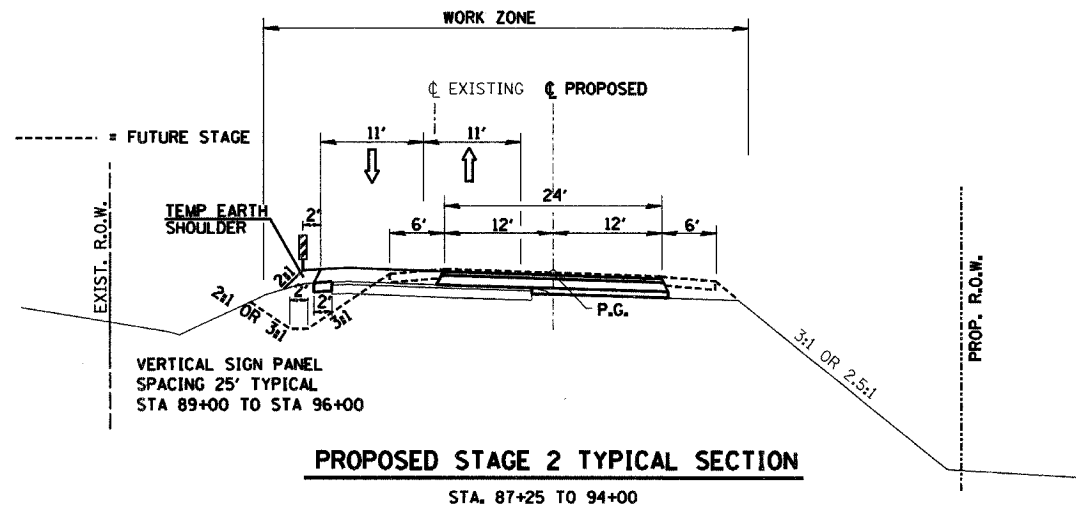
= HATCHED AREA INDICATES WORK AREA
 = DIRECTION OF TRAFFIC

NOTE: LEFT AND RIGHT SIDES OF THE EXISTING TRAFFIC LANES SHALL NOT BE WORKED ON SIMULTANEOUSLY.

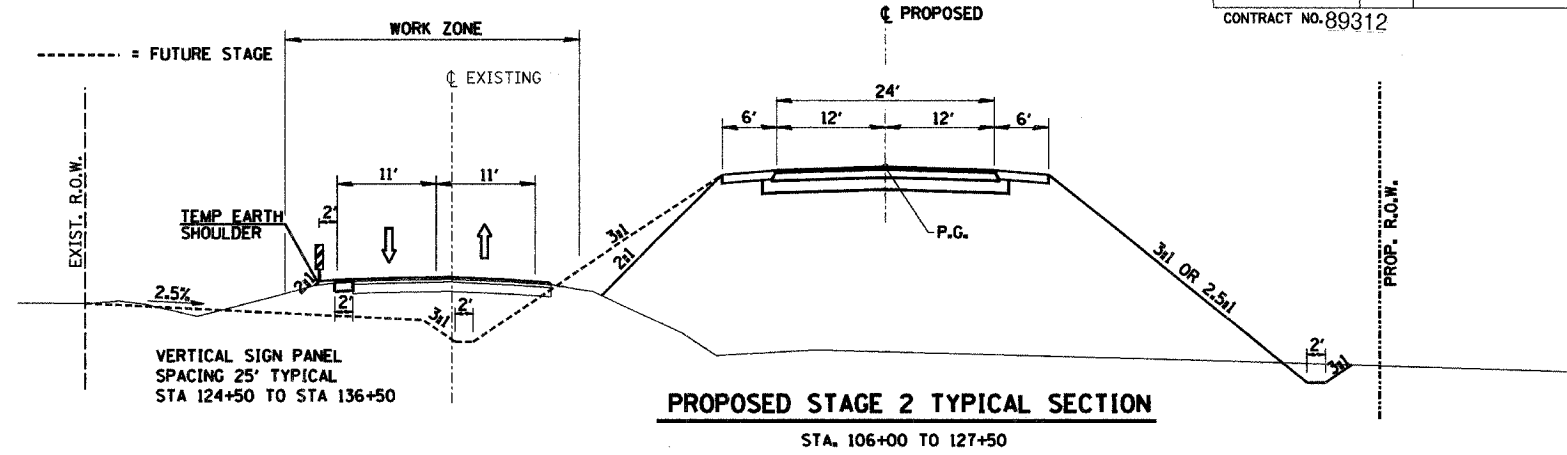
LANE CLOSURE, DAY OPERATIONS ONLY
OPEN EXISTING ROADWAY TO TRAFFIC AT NIGHT

TRAFFIC CONTROL - STAGE I		
Date	Designed: SMK	F.A.S. 209 (C.H. 14) OVER KEATING CREEK NEW BOSTON ROAD SECTION 00-00091-00-BR MERCER COUNTY
Revisions	Drawn: SRS	
	Checked: SMK	
	Approved: SMK	
Prepared by:	345 East Ash Avenue Decatur, IL 62526	URS Job No. 21-00001253.01

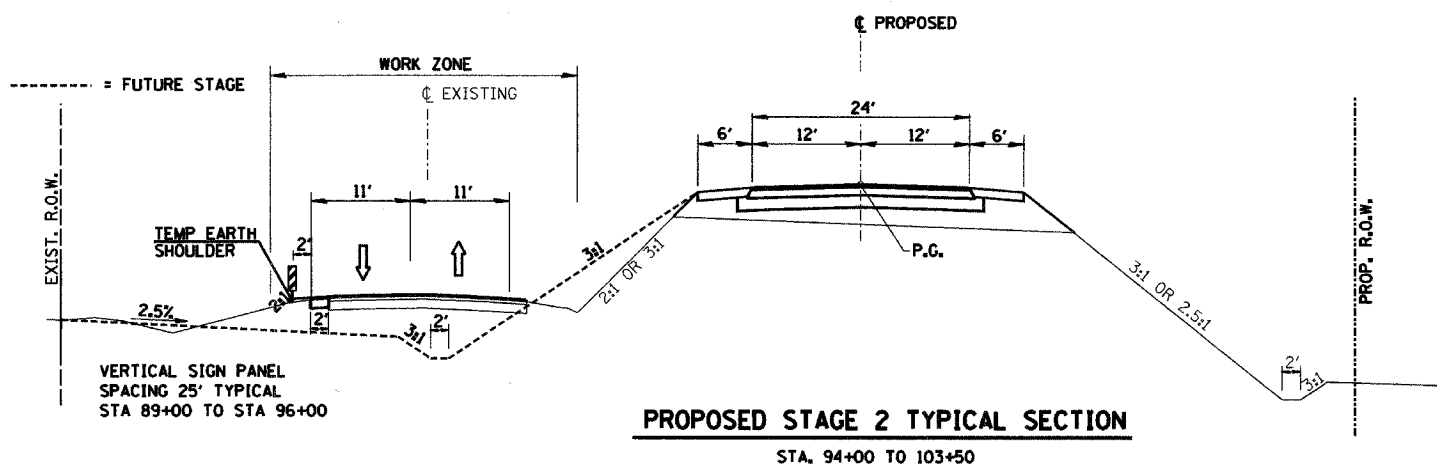
RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
C.H. 14	00-00091-00-BR	MERCER	111	30
F.A.S. 209				
STA.	TO STA.			
FED. ROAD DIST. NO.	BLINDS	FED. AID PROJECT		
CONTRACT NO. 89312				



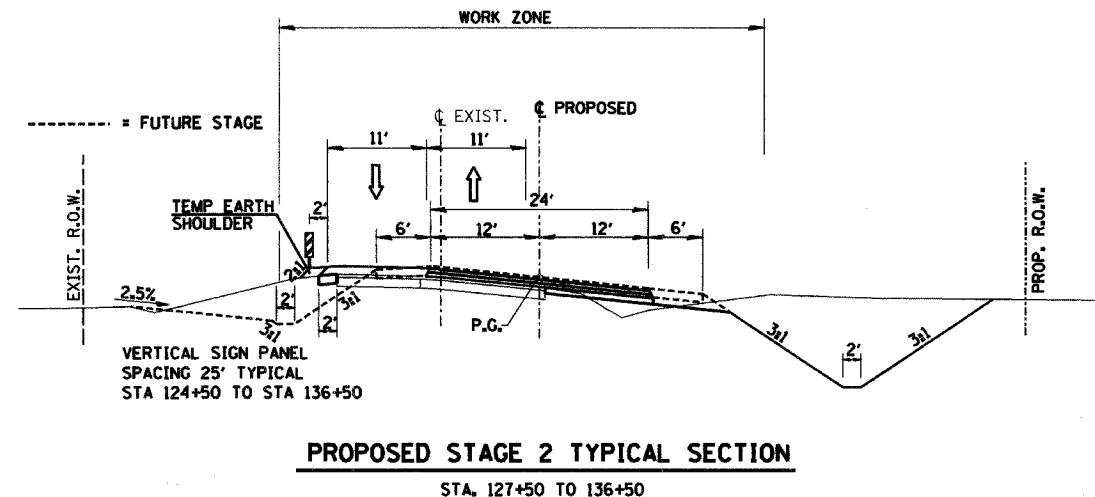
PROPOSED STAGE 2 TYPICAL SECTION
STA. 87+25 TO 94+00



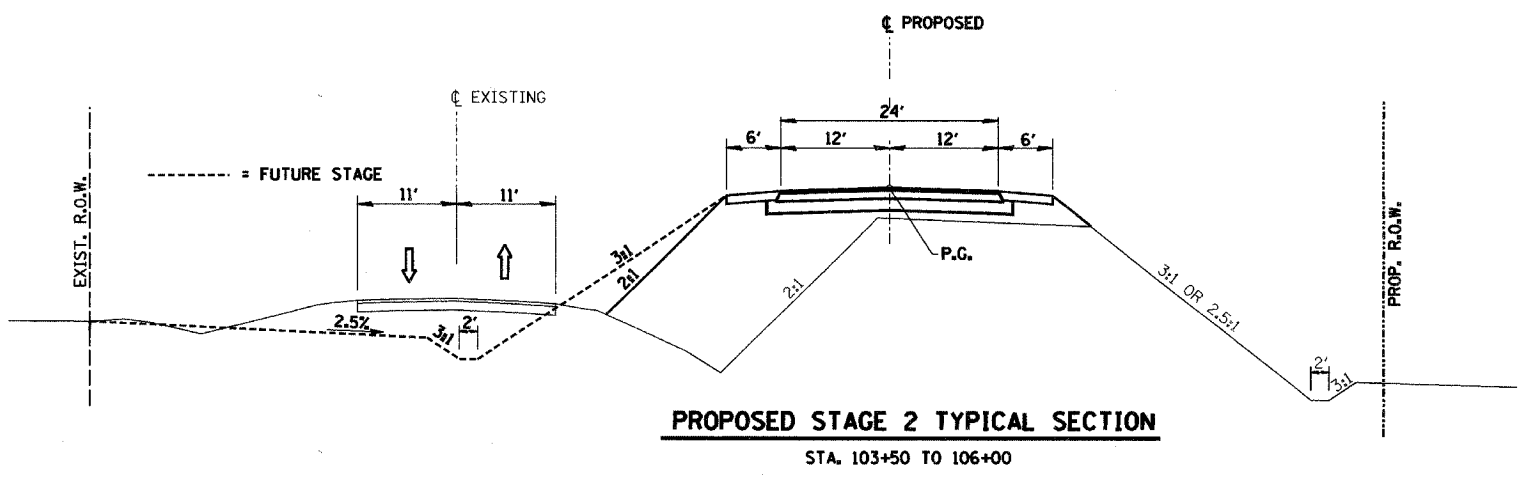
PROPOSED STAGE 2 TYPICAL SECTION
STA. 106+00 TO 127+50



PROPOSED STAGE 2 TYPICAL SECTION
STA. 94+00 TO 103+50



PROPOSED STAGE 2 TYPICAL SECTION
STA. 127+50 TO 136+50



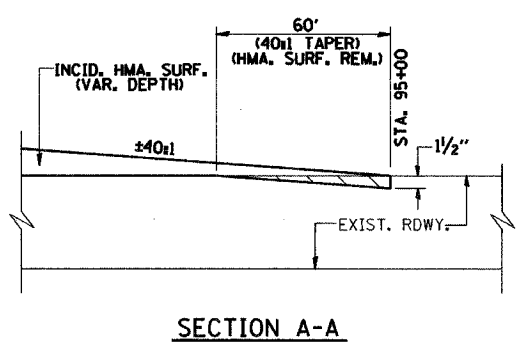
PROPOSED STAGE 2 TYPICAL SECTION
STA. 103+50 TO 106+00

⇔ = DIRECTION OF TRAFFIC DURING NON WORKING HOURS
 ⇔ = SHARED LANES WITH FLAGGING OPERATIONS DURING WORKING HOURS

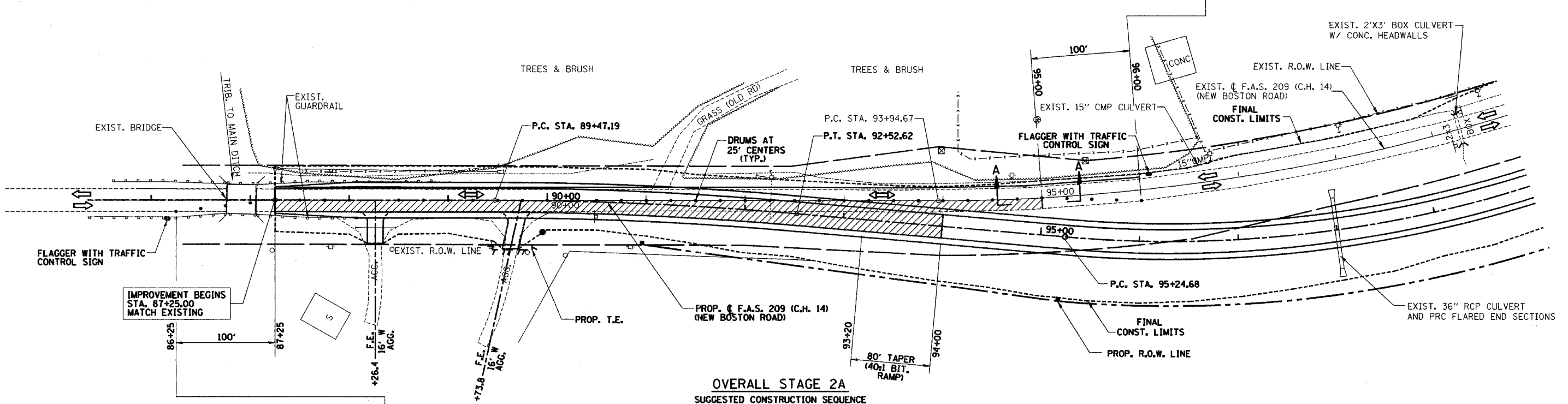
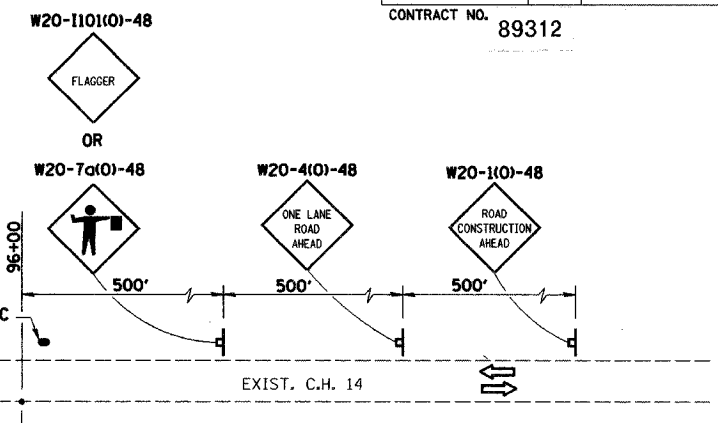
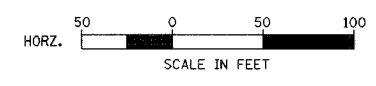
TRAFFIC CONTROL - STAGE 2A AND 2B		
Date	Designed: SMK	F.A.S. 209 (C.H. 14) OVER KEATING CREEK NEW BOSTON ROAD SECTION 00-00091-00-BR MERCER COUNTY
Revisions	Drawn: SRS	
	Checked: SMK	
	Approved: SMK	
Prepared by:	URS 345 East Ash Avenue Decatur, IL 62526	URS Job No. 21-00001253.01

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
C.H. 14 F.A.S. 209	00-00091-00-BR	MERCER	111	31
STA. 87+25	TO STA. 100+00			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 89312



SECTION A-A



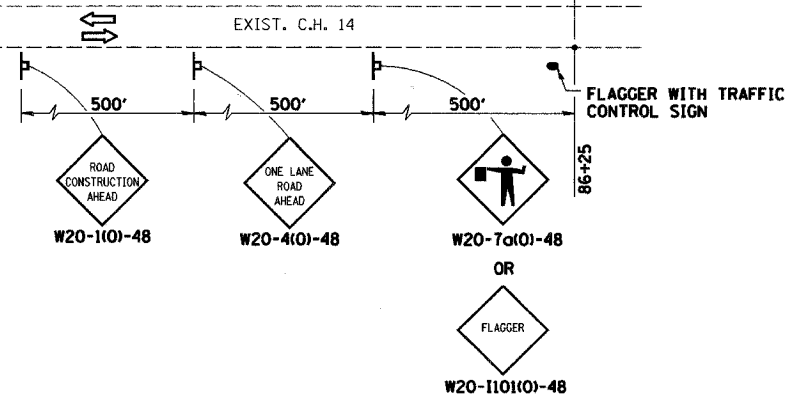
OVERALL STAGE 2A
SUGGESTED CONSTRUCTION SEQUENCE

MAINTAIN 2-WAY TRAFFIC ON 1-LANE EXISTING PAVEMENT DURING DAYLIGHT WORKING HOURS USING TRAFFIC CONTROL STDS. 701001, 701006, 701011, 701201 & 701301. ALTERNATE BETWEEN STAGE 2A AND 2B AS REQUIRED TO BUILD UP PAVEMENT TO THE FINAL BINDER COURSE ELEVATIONS.

STA. 87+25 TO 95+00

- 1 CONSTRUCT NEW PAVEMENT UNDER ONE LANE TRAFFIC, EXCLUDING SURFACE COURSE AND SHOULDERS STA 87+25 TO STA 94+00 AND STA 127+50 TO STA 136+50
- 2 CONSTRUCT TEMPORARY RAMPING BETWEEN EXISTING AND NEW PAVEMENT STA 92+34 TO STA 95+15 SOUTHBOUND LANE
- 3 CONSTRUCT TEMPORARY RAMPING BETWEEN EXISTING AND NEW PAVEMENT STA 125+00 TO STA 131+40 SOUTHBOUND LANE
- 4 APPLY TEMPORARY STRIPING PRIOR TO END OF DAY AS NEEDED

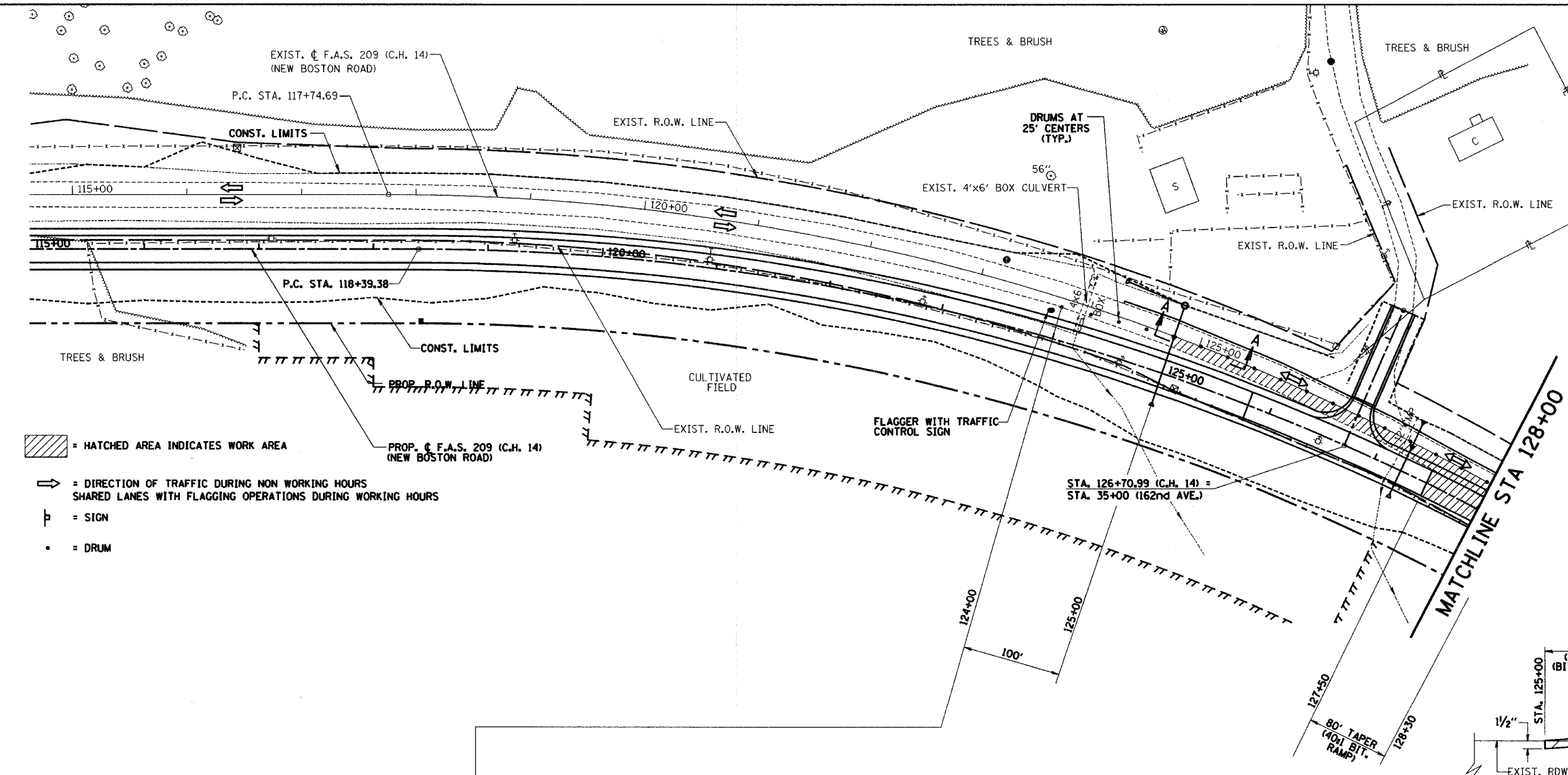
NOTE:
AT END OF WORK DAY, MOVE DRUMS TO EDGE OF PAVEMENT TO ALLOW FOR 2-WAY TRAFFIC AT NIGHT ON EXISTING ROADWAY.



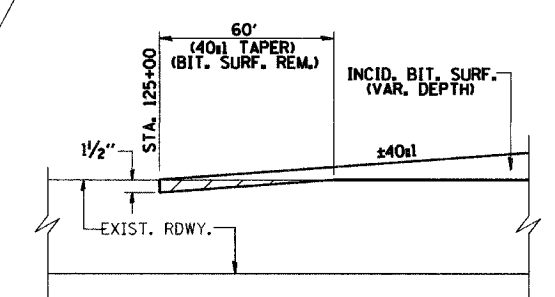
- = HATCHED AREA INDICATES WORK AREA
- = DIRECTION OF TRAFFIC DURING NON WORKING HOURS
SHARED LANES WITH FLAGGING OPERATIONS DURING WORKING HOURS
- = SIGN
- = DRUM

TRAFFIC CONTROL - STAGE 2A			
Date	Designed: SMK	F.A.S. 209 (C.H. 14) OVER KEATING CREEK NEW BOSTON ROAD SECTION 00-00091-00-BR MERCER COUNTY	
Revisions	Drawn: SRS		
	Checked: SMK		
	Approved: SMK		
Prepared by:	345 East Ash Avenue Decatur, IL 62526	URS Job No.	21-00001253.01

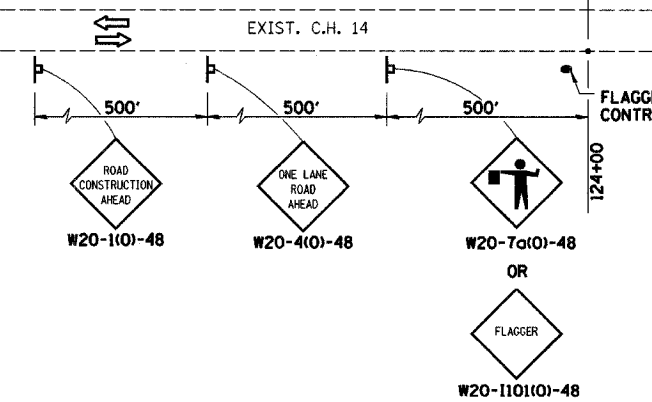
RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
C.H. 14 F.A.S. 209	00-00091-00-BR	MERCER	111	32
STA. 115+00	TO STA. 128+00			
CONTRACT NO. 89312		50		100
HORIZ. SCALE IN FEET				



- = HATCHED AREA INDICATES WORK AREA
- = DIRECTION OF TRAFFIC DURING NON WORKING HOURS
SHARED LANES WITH FLAGGING OPERATIONS DURING WORKING HOURS
- = SIGN
- = DRUM



SECTION A-A



OVERALL STAGE 2A
SUGGESTED CONSTRUCTION SEQUENCE

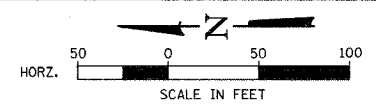
MAINTAIN 2-WAY TRAFFIC ON 1-LANE EXISTING PAVEMENT DURING DAYLIGHT WORKING HOURS USING TRAFFIC CONTROL STDS. 701001, 701006, 701011, 701201 & 701301). ALTERNATE BETWEEN STAGE 2A AND 2B AS REQUIRED TO BUILD UP PAVEMENT TO THE FINAL BINDER COURSE ELEVATIONS.

STA. 87+25 TO 95+00

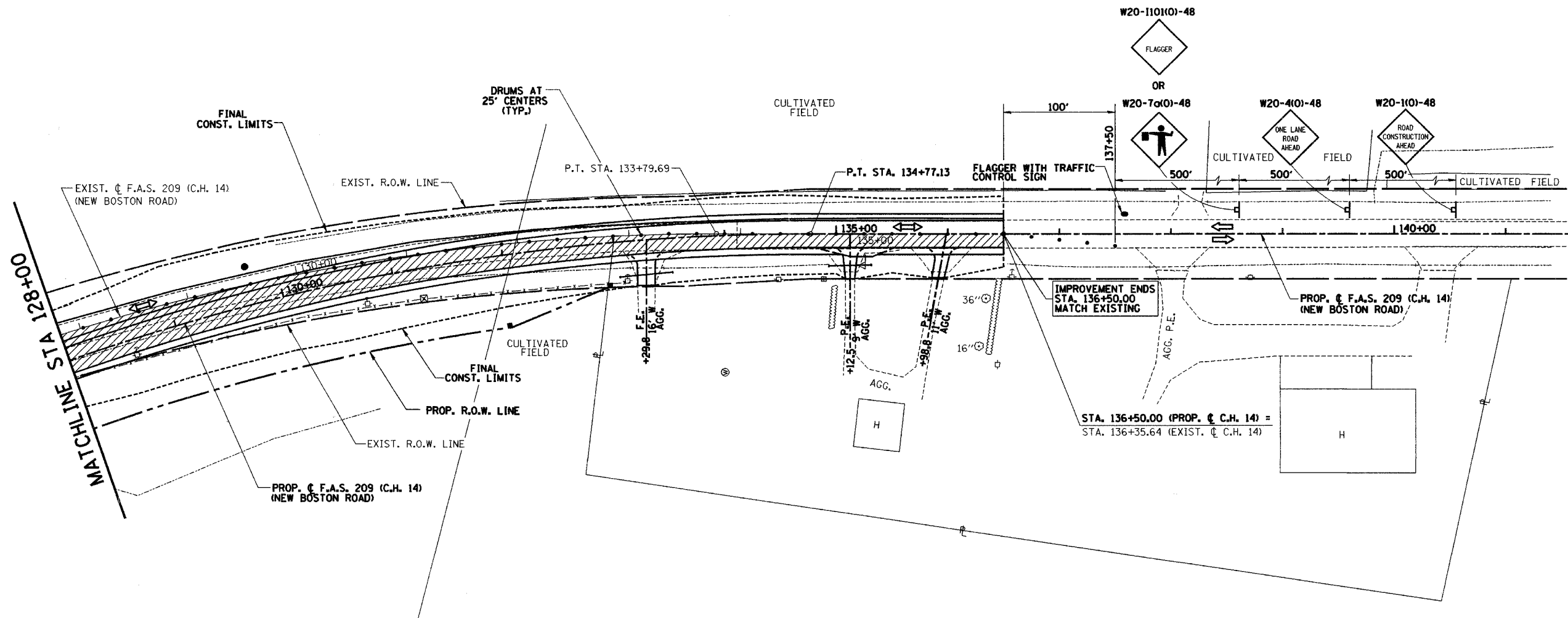
- 1 CONSTRUCT NEW PAVEMENT UNDER ONE LANE TRAFFIC, EXCLUDING SURFACE COURSE AND SHOULDERS
STA 87+25 TO STA 94+00 AND STA 127+50 TO STA 136+50
- 2 CONSTRUCT TEMPORARY RAMPING RAMPING BETWEEN EXISTING AND NEW PAVEMENT STA 92+34 TO STA 95+15 SOUTHBOUND LANE
- 3 CONSTRUCT TEMPORARY RAMPING BETWEEN EXISTING AND NEW PAVEMENT STA 125+00 TO STA 131+40 SOUTHBOUND LANE
- 4 APPLY TEMPORARY STRIPING PRIOR TO END OF DAY AS NEEDED

NOTE:
AT END OF WORK DAY, MOVE DRUMS TO EDGE OF PAVEMENT TO ALLOW FOR 2-WAY TRAFFIC AT NIGHT ON EXISTING ROADWAY.

TRAFFIC CONTROL - STAGE 2A		
Date	Designed: SMK	F.A.S. 209 (C.H. 14) OVER KEATING CREEK NEW BOSTON ROAD SECTION 00-00091-00-BR MERCER COUNTY
Revisions	Drawn: SRS	
	Checked: SMK	
	Approved: SMK	
Prepared by:	URS 345 East Ash Avenue Decatur, IL 62526	URS Job No. 21-00001253.01



ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
C.H. 14 F.A.S. 209	00-00091-00-BR	MERCER	111	33
STA. 128+00	TO STA. 140+00			
CONTRACT NO.		89312		



OVERALL STAGE 2A

SUGGESTED CONSTRUCTION SEQUENCE

MAINTAIN 2-WAY TRAFFIC ON 1-LANE EXISTING PAVEMENT DURING DAYLIGHT WORKING HOURS USING TRAFFIC CONTROL STDS. 701001, 701006, 701011, 701201 & 701301). ALTERNATE BETWEEN STAGE 2A AND 2B AS REQUIRED TO BUILD UP PAVEMENT TO THE FINAL BINDER COURSE ELEVATIONS.

STA. 87+25 TO 95+00

- 1 CONSTRUCT NEW PAVEMENT UNDER ONE LANE TRAFFIC, EXCLUDING SURFACE COURSE AND SHOULDERS
STA 87+25 TO STA 94+00 AND STA 127+50 TO STA 136+50
- 2 CONSTRUCT TEMPORARY RAMPING BETWEEN EXISTING AND NEW PAVEMENT STA 92+34 TO STA 95+15 SOUTHBOUND LANE
- 3 CONSTRUCT TEMPORARY RAMPING BETWEEN EXISTING AND NEW PAVEMENT STA 125+00 TO STA 131+40 SOUTHBOUND LANE
- 4 APPLY TEMPORARY STRIPING PRIOR TO END OF DAY AS NEEDED

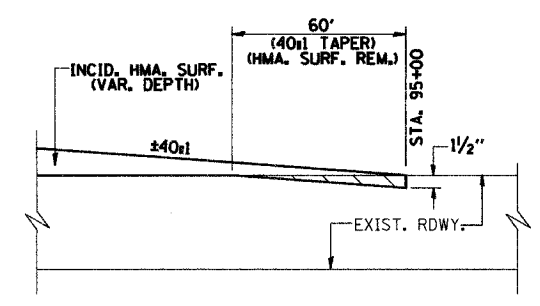
NOTE:
AT END OF WORK DAY, MOVE DRUMS TO EDGE OF PAVEMENT TO ALLOW FOR 2-WAY TRAFFIC AT NIGHT ON EXISTING ROADWAY.

- = HATCHED AREA INDICATES WORK AREA
- = DIRECTION OF TRAFFIC DURING NON WORKING HOURS
SHARED LANES WITH FLAGGING OPERATIONS DURING WORKING HOURS
- = SIGN
- = DRUM

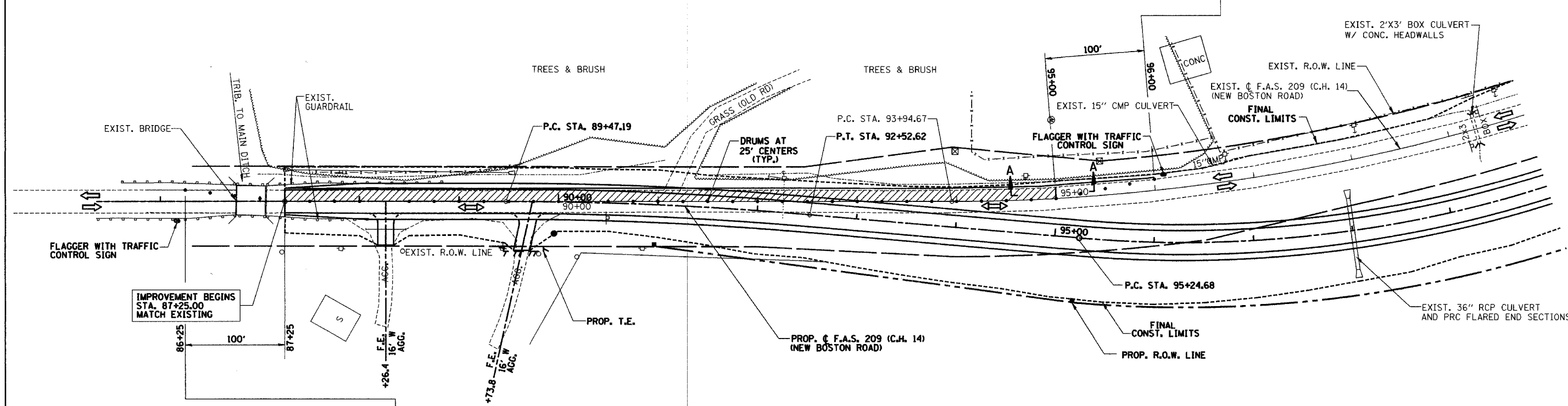
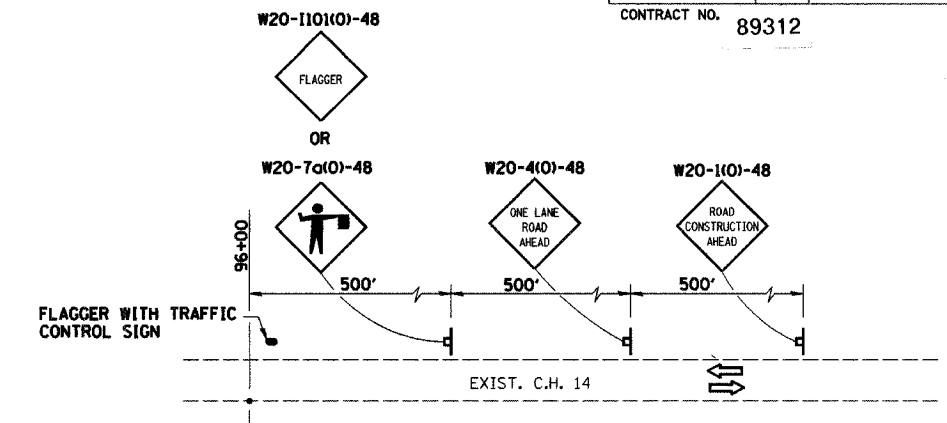
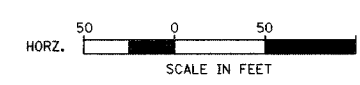
TRAFFIC CONTROL - STAGE 2A		
Date	Designed: SMK	F.A.S. 209 (C.H. 14) OVER KEATING CREEK NEW BOSTON ROAD SECTION 00-00091-00-BR MERCER COUNTY
Revisions	Drawn: SRS	
	Checked: SMK	
	Approved: SMK	
Prepared by:	URS 345 East Ash Avenue Decatur, IL 62526	URS Job No. 21-00001253.01

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
C.H. 14	00-00091-00-BR	MERCER	111	34
F.A.S. 209				
STA. 87+25		TO STA. 100+00		
FED. ROAD DIST. NO.	BLANK	FED. AID PROJECT		

CONTRACT NO. 89312



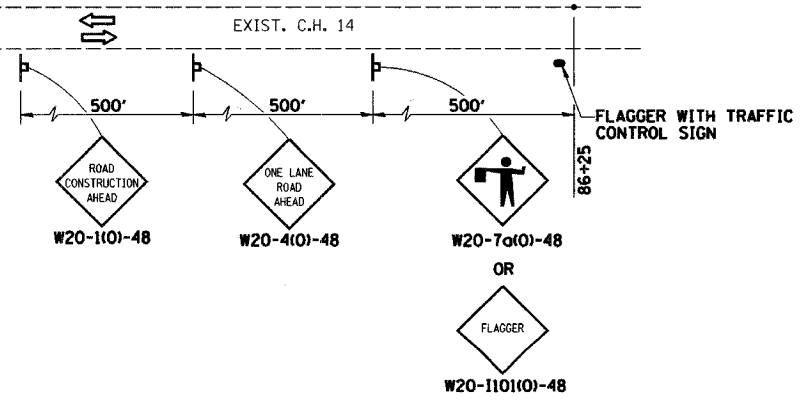
SECTION A-A



OVERALL STAGE 2B
SUGGESTED CONSTRUCTION SEQUENCE
 MAINTAIN 2-WAY TRAFFIC ON 1-LANE EXISTING PAVEMENT DURING DAYLIGHT WORKING HOURS USING TRAFFIC CONTROL STDS. 701001, 701006, 701011, 701201 & 701301. ALTERNATE BETWEEN STAGE 2A AND 2B AS REQUIRED TO BUILD UP PAVEMENT TO THE FINAL BINDER COURSE ELEVATIONS.
 STA. 87+25 TO 95+00

- 1 CONSTRUCT NEW PAVEMENT UNDER ONE LANE TRAFFIC, EXCLUDING SURFACE COURSE AND SHOULDERS
- 2 STA 87+25 TO STA 94+00 AND STA 127+50 TO STA 136+50
- 3 CONSTRUCT TEMPORARY RAMPING BETWEEN EXISTING AND NEW PAVEMENT STA 92+34 TO STA 95+15 NORTHBOUND LANE
- 4 CONSTRUCT TEMPORARY RAMPING BETWEEN EXISTING AND NEW PAVEMENT STA 125+00 TO STA 131+40 NORTHBOUND LANE
- 5 APPLY TEMPORARY STRIPING

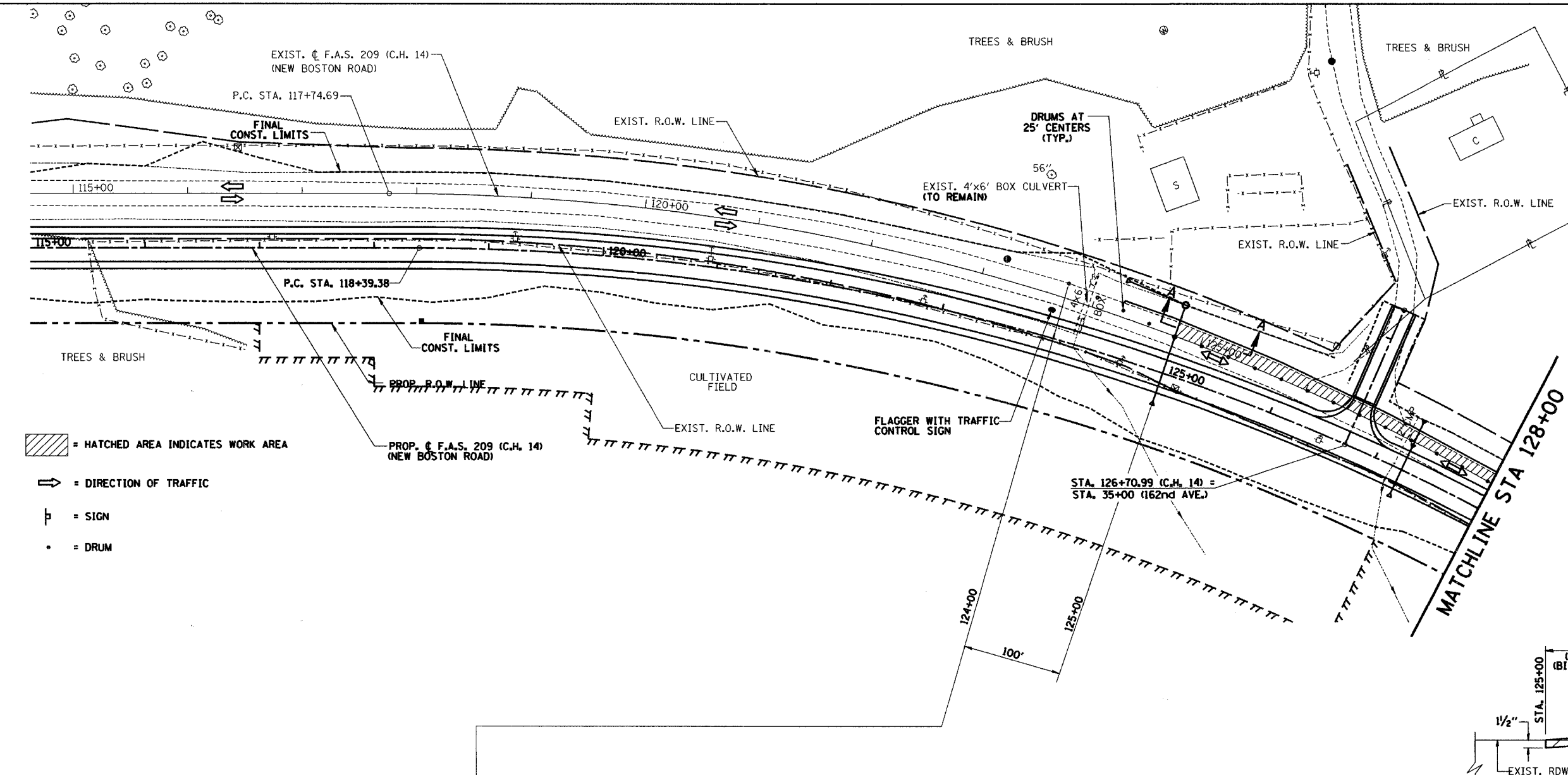
NOTE:
 AT END OF WORK DAY, MOVE DRUMS TO EDGE OF PAVEMENT TO ALLOW FOR 2-WAY TRAFFIC AT NIGHT ON EXISTING ROADWAY.



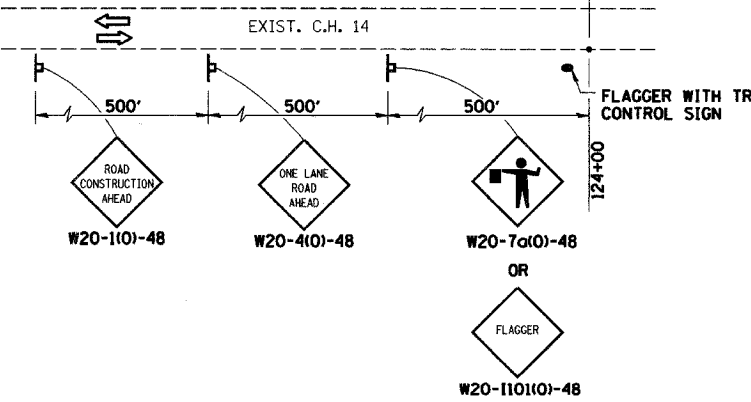
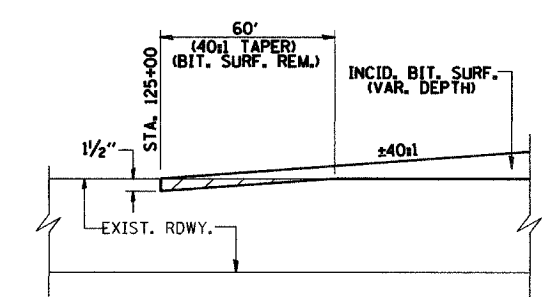
- = HATCHED AREA INDICATES WORK AREA
- = DIRECTION OF TRAFFIC
- = SIGN
- = DRUM

TRAFFIC CONTROL - STAGE 2B		
Date	Designed: SMK	F.A.S. 209 (C.H. 14) OVER KEATING CREEK NEW BOSTON ROAD SECTION 00-00091-00-BR MERCER COUNTY
Revisions	Drawn: SRS	
	Checked: SMK	
	Approved: SMK	
Prepared by:	URS 345 East Ash Avenue Decatur, IL 62526	URS Job No. 21-00001253.01

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
C.H. 14 F.A.S. 209	00-00091-00-BR	MERCER	111	35
STA. 115+00	TO STA. 128+00			
CONTRACT NO. 89312		SCALE IN FEET		
HORZ. 50 100		50 100		



- = HATCHED AREA INDICATES WORK AREA
- = DIRECTION OF TRAFFIC
- = SIGN
- = DRUM



OVERALL STAGE 2B
SUGGESTED CONSTRUCTION SEQUENCE

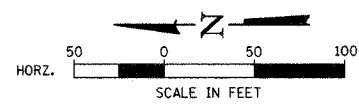
MAINTAIN 2-WAY TRAFFIC ON 1-LANE EXISTING PAVEMENT DURING DAYLIGHT WORKING HOURS USING TRAFFIC CONTROL STDS. 701001, 701006, 701011, 701201 & 701301. ALTERNATE BETWEEN STAGE 2A AND 2B AS REQUIRED TO BUILD UP PAVEMENT TO THE FINAL BINDER COURSE ELEVATIONS.

STA. 87+25 TO 95+00

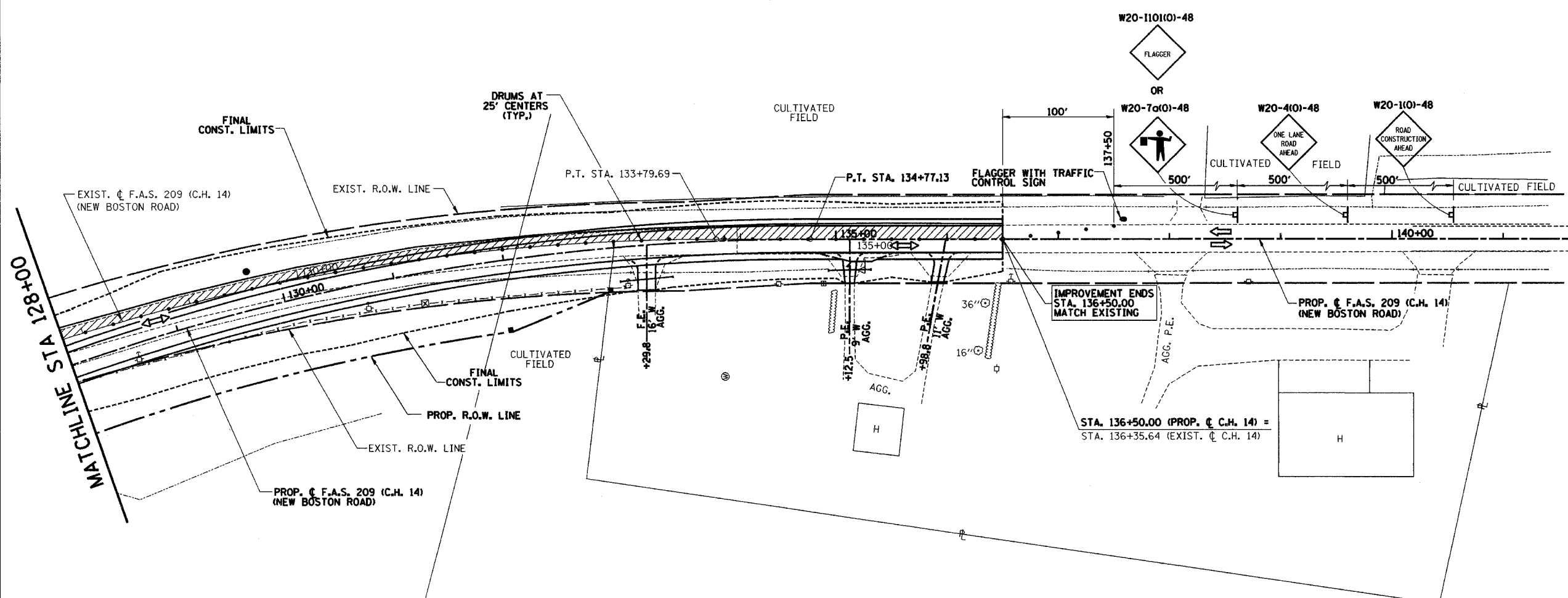
- 1 CONSTRUCT NEW PAVEMENT UNDER ONE LANE TRAFFIC, EXCLUDING SURFACE COURSE AND SHOULDERS
- 2 STA 87+25 TO STA 94+00 AND STA 127+50 TO STA 136+50
- 3 CONSTRUCT TEMPORARY RAMPING BETWEEN EXISTING AND NEW PAVEMENT STA 92+34 TO STA 95+15 NORTHBOUND LANE
- 4 CONSTRUCT TEMPORARY RAMPING BETWEEN EXISTING AND NEW PAVEMENT STA 125+00 TO STA 131+40 NORTHBOUND LANE
- 5 APPLY TEMPORARY STRIPING

NOTE:
 AT END OF WORK DAY, MOVE DRUMS TO EDGE OF PAVEMENT TO ALLOW FOR 2-WAY TRAFFIC AT NIGHT ON EXISTING ROADWAY.

TRAFFIC CONTROL - STAGE 2B		
Date	Designed: SMK	F.A.S. 209 (C.H. 14) OVER KEATING CREEK NEW BOSTON ROAD SECTION 00-00091-00-BR MERCER COUNTY
Revisions	Drawn: SRS	
	Checked: SMK	
	Approved: SMK	
Prepared by:	URS 345 East Ash Avenue Decatur, IL 62526	URS Job No. 21-00001253.01



ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
C.H. 14 F.A.S. 209	00-00091-00-BR	MERCER	111	36
STA. 128+00	TO STA. 140+00			
CONTRACT NO.		89312		



OVERALL STAGE 2B

SUGGESTED CONSTRUCTION SEQUENCE

MAINTAIN 2-WAY TRAFFIC ON 1-LANE EXISTING PAVEMENT DURING DAYLIGHT WORKING HOURS USING TRAFFIC CONTROL STDS. 701001, 701006, 701011, 701201 & 701301.
 ALTERNATE BETWEEN STAGE 2A AND 2B AS REQUIRED TO BUILD UP PAVEMENT TO THE FINAL BINDER COURSE ELEVATIONS.

STA. 87+25 TO 95+00

- 1 CONSTRUCT NEW PAVEMENT UNDER ONE LANE TRAFFIC, EXCLUDING SURFACE COURSE AND SHOULDERS
- 2 STA 87+25 TO STA 94+00 AND STA 127+50 TO STA 136+50
- 3 CONSTRUCT TEMPORARY RAMPING BETWEEN EXISTING AND NEW PAVEMENT STA 92+34 TO STA 95+15 NORTHBOUND LANE
- 4 CONSTRUCT TEMPORARY RAMPING BETWEEN EXISTING AND NEW PAVEMENT STA 125+00 TO STA 131+40 NORTHBOUND LANE
- 5 APPLY TEMPORARY STRIPING

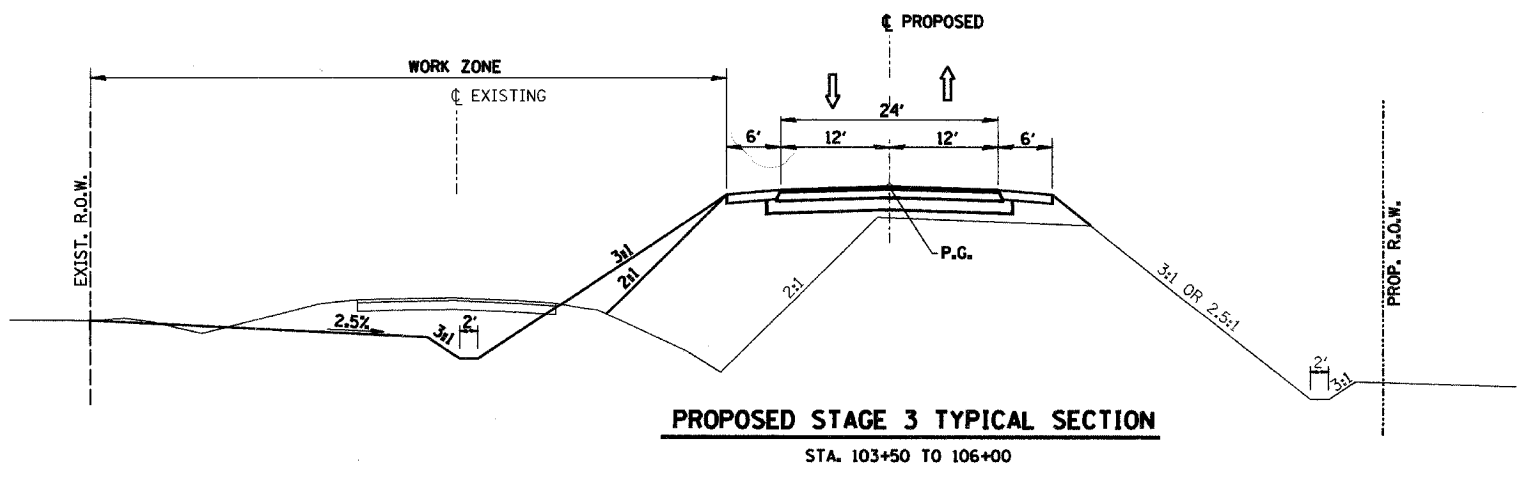
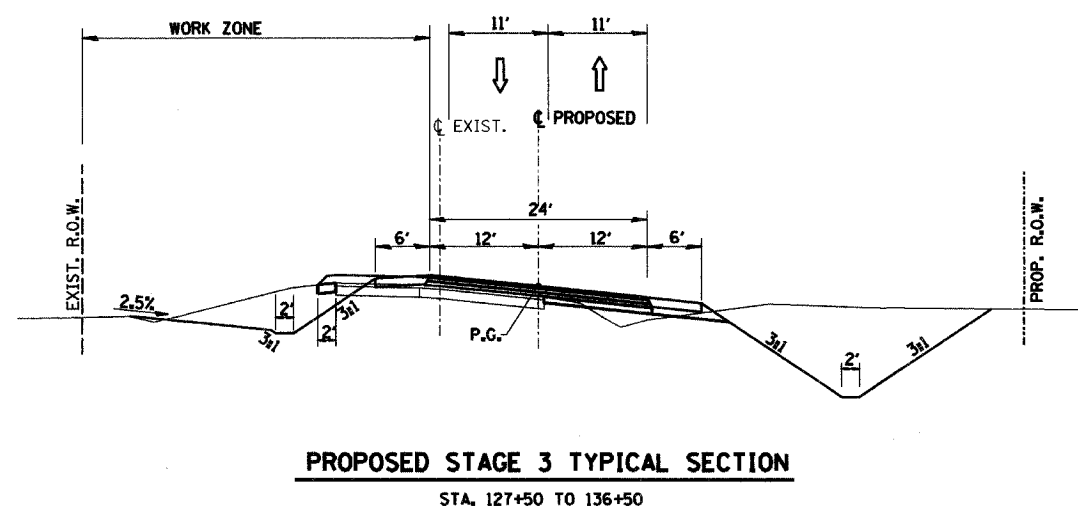
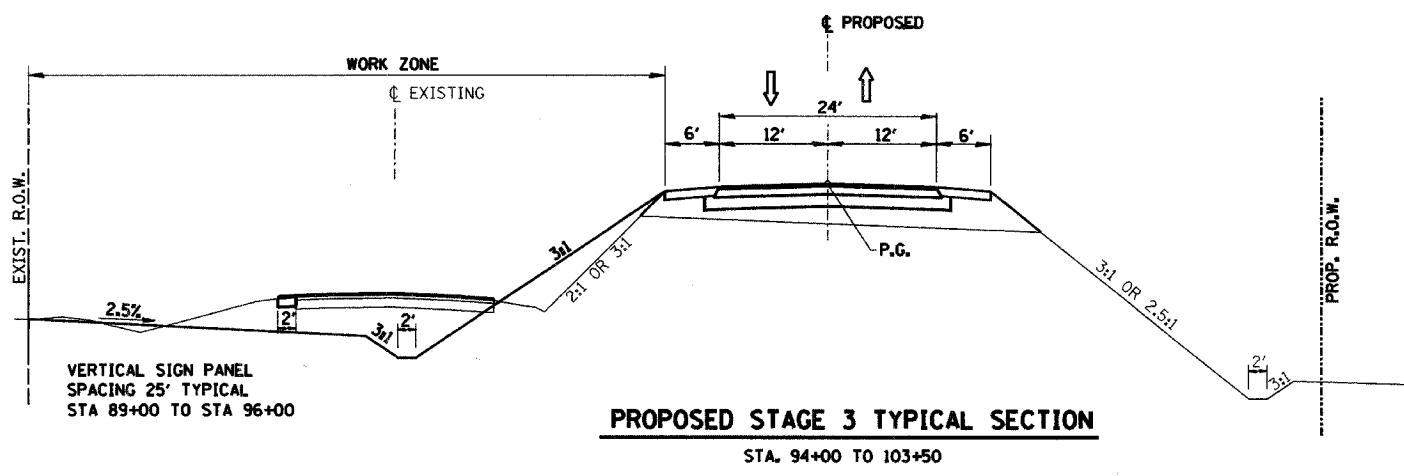
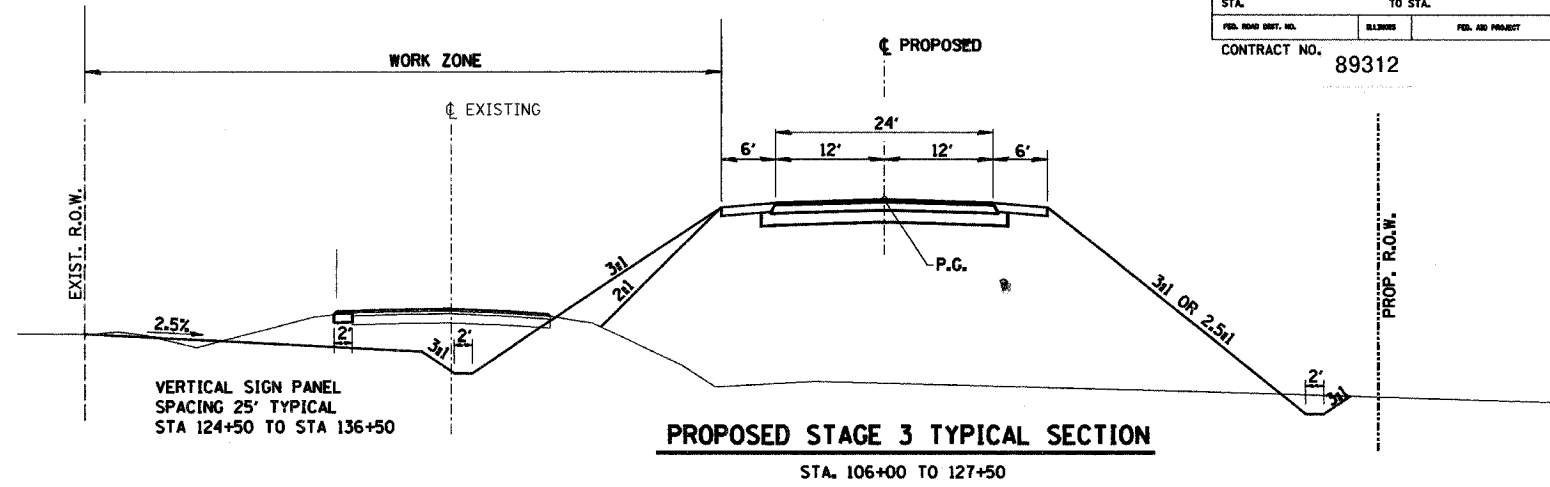
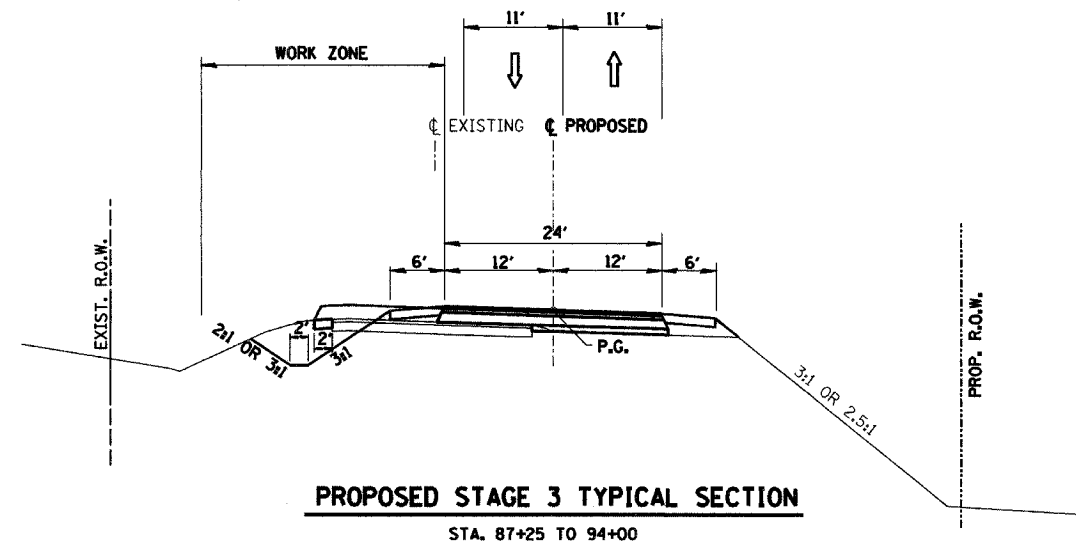
NOTE:
 AT END OF WORK DAY, MOVE DRUMS TO EDGE OF PAVEMENT TO ALLOW FOR 2-WAY TRAFFIC AT NIGHT ON EXISTING ROADWAY.

- = HATCHED AREA INDICATES WORK AREA
- = DIRECTION OF TRAFFIC
- = SIGN
- = DRUM

TRAFFIC CONTROL - STAGE 2B		
Date	Designed: SMK	F.A.S. 209 (C.H. 14) OVER KEATING CREEK NEW BOSTON ROAD SECTION 00-00091-00-BR MERCER COUNTY
Revisions	Drawn: SRS	
	Checked: SMK	
	Approved: SMK	
Prepared by:	URS	345 East Ash Avenue Decatur, IL 62526
		URS Job No. 21-00001253.01

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
C.H. 14 F.A.S. 209	00-00091-00-BR	MERCER	111	37
STA.	TO STA.			
FED. ROAD DIST. NO.	BILLBOARD	FED. AID PROJECT		

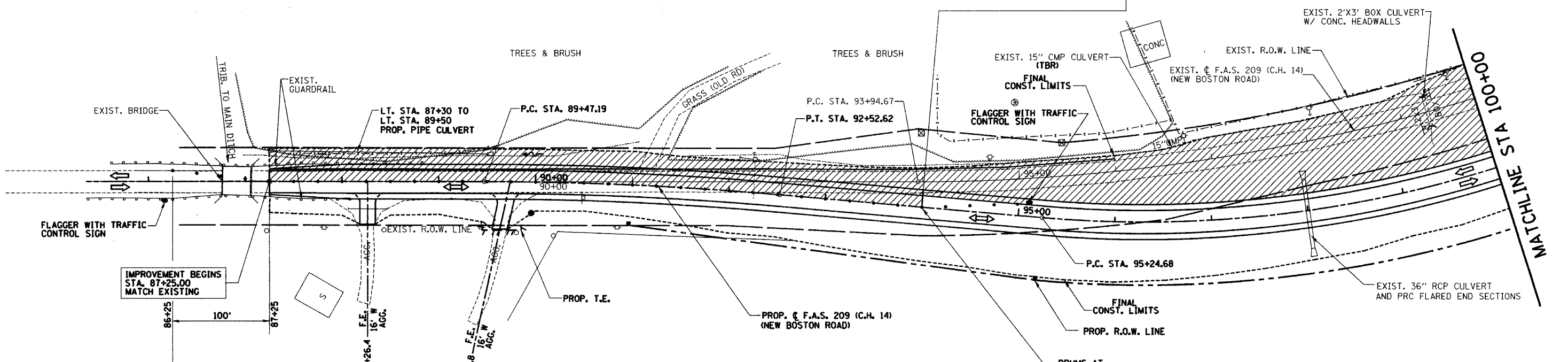
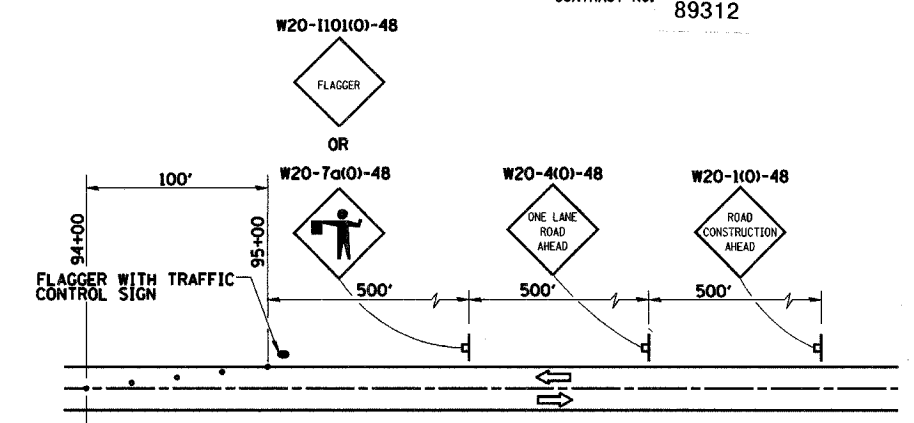
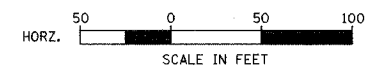
CONTRACT NO. 89312



⇒ = DIRECTION OF TRAFFIC DURING NON WORKING HOURS
 ⇄ = SHARED LANES WITH FLAGGING OPERATIONS DURING WORKING HOURS

TRAFFIC CONTROL - STAGE 3A AND 3B		
Date	Designed: SMK	F.A.S. 209 (C.H. 14) OVER KEATING CREEK NEW BOSTON ROAD SECTION 00-00091-00-BR MERCER COUNTY
Revisions	Drawn: SRS	
	Checked: SMK	
	Approved: SMK	
Prepared by:	URS 345 East Ash Avenue Decatur, IL 62526	URS Job No. 21-00001253.01

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
C.H. 14	00-00091-00-BR	MERCER	111	38
F.A.S. 209				
STA. 87+25		TO STA. 100+00		
CONTRACT NO. 89312				

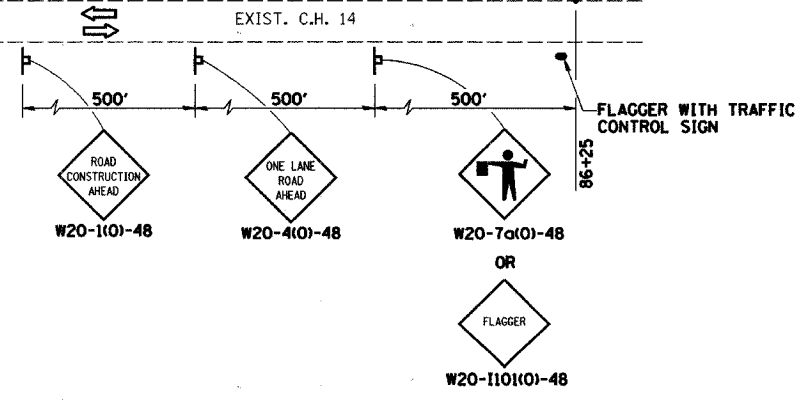


OVERALL STAGE 3A
SUGGESTED CONSTRUCTION SEQUENCE

MAINTAIN 2-WAY TRAFFIC ON 1 LANE NEW PAVEMENT DURING DAYLIGHT WORKING HOURS USING TRAFFIC CONTROL STDS. 701001, 701006, 701011, 701201 & 701301
STA. 87+25 TO 136+50

- 1 CONSTRUCT TEMPORARY ENTRANCE ACCESS FOR P.E. LT STA 104+85
- 2 CONSTRUCT P.E. LT STA 104+85
- 3 CONSTRUCT ENTRANCE AND CULVERT LT STA 103+35
- 4 REMOVE TEMPORAY ENTRANCE ACCESS LT STA 104+85
- 5 REMOVE 56' OF EXISTING 12" CROSS ROAD PIPE LT STA 105+37.50. RECONSTRUCT MANHOLE AND PLUG 15" PIPES.
- 6 RELOCATE PRC FLARED END SECTION
- 7 REMOVE REMAINING EXISTING PAVEMENT AND FINALIZE GRADING BETWEEN STA 87+25 AND EXISTING BRIDGE
- 8 CONSTRUCT F.E. AND CULVERT LT STA 109+50
- 9 REMOVE EXISTING BRIDGE AND GUARDRAIL
- 10 PARTIALLY REMOVE 4X6 BOX CULVERT STA 124+18.16 AS SHOWN IN PLANS
- 11 REMOVE REMAINING EXISTING PAVEMENT AND FINALIZE GRADING BETWEEN EXISTING BRIDGE AND STA 136+50
- 12 REMOVE TEMPORARY PIE CULVERTS AND MANHOLE LT STA 125+00 AND PLACE PROPOSED END SECTION
- 13 CONSTRUCT SIDEROAD LT STA 126+70.99
- 14 REMOVE REMAINING EXISTING PAVEMENT AND FINALIZE GRADING BETWEEN EXISTING BRIDGE AND STA 136+50
- 15 REMOVE TEMPORARY LENGTH OF PIPE CULVERT LT STA 127+25 AND RELOCATE END SECTION
- 16 CONSTRUCT SURFACE COURSE STA 87+25 TO 94+00 AND STA 127+50 TO 136+50 NORTHBOUND LANE
- 17 CONSTRUCT SHOULDER LT STA 87+25 TO 94+00 AND LT STA 127+50 TO 136+50
- 18 APPLY FINAL STRIPING STA 87+25 TO STA 94+00
- 19 APPLY FINAL STRIPING STA 127+50 TO STA 136+50

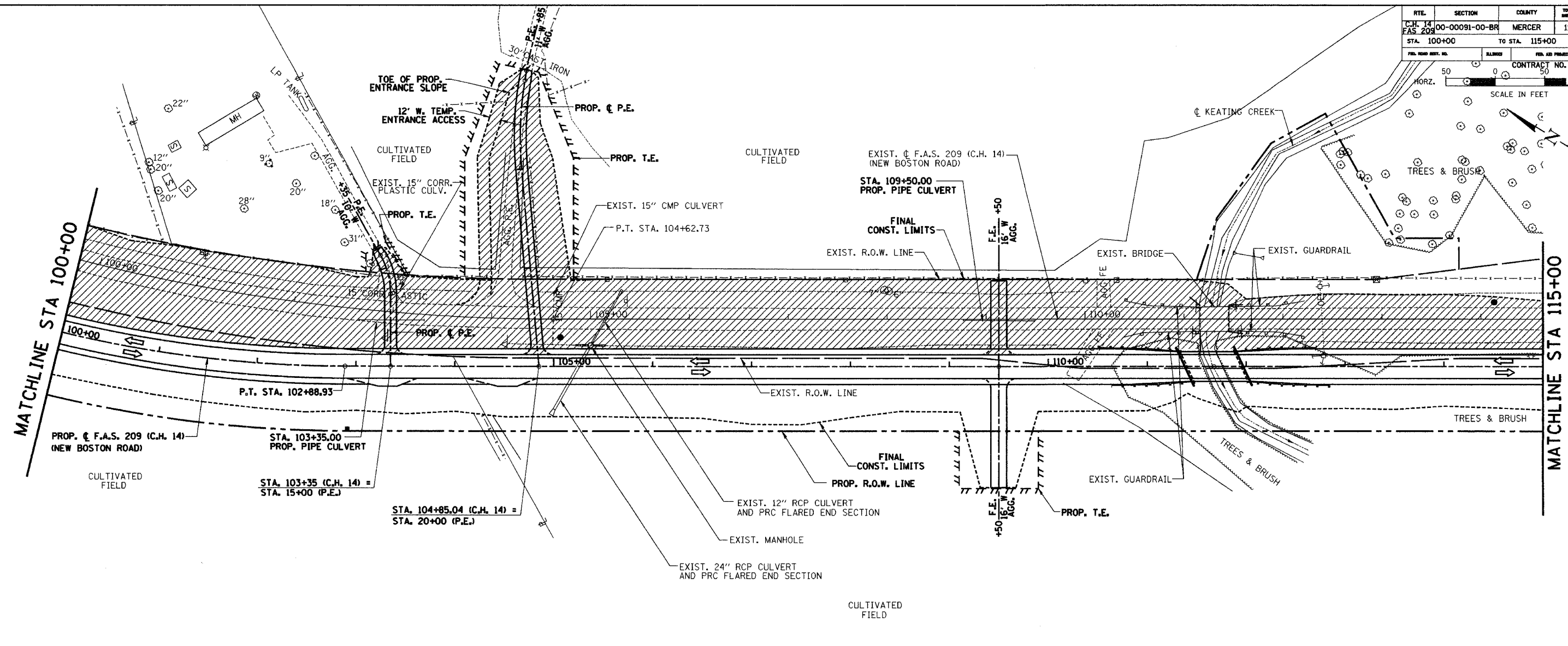
NOTE:
AT END OF WORK DAY, MOVE DRUMS TO EDGE OF PAVEMENT TO ALLOW FOR 2-WAY TRAFFIC AT NIGHT ON NEW ROADWAY.



- = HATCHED AREA INDICATES WORK AREA
- = DIRECTION OF TRAFFIC
- = SIGN
- = DRUM

TRAFFIC CONTROL - STAGE 3A		
Date	Designed: SMK	F.A.S. 209 (C.H. 14) OVER KEATING CREEK NEW BOSTON ROAD SECTION 00-00091-00-BR MERCER COUNTY
Revisions	Drawn: SRS	
	Checked: SMK	
	Approved: SMK	
Prepared by:	URS	
345 East Ash Avenue Decatur, IL 62526		URS Job No. 21-00001253.01

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
C.H. 14 F.A.S. 209	00-00091-00-BR	MERCER	111	39
STA. 100+00	TO STA. 115+00			
FED. ROAD DIST. NO.	BLANKED	FED. AID PROJECT	CONTRACT NO. 89312	



OVERALL STAGE 3A
SUGGESTED CONSTRUCTION SEQUENCE

MAINTAIN 2-WAY TRAFFIC ON 1 LANE NEW PAVEMENT DURING DAYLIGHT WORKING HOURS USING TRAFFIC CONTROL STDS. 701001, 701006, 701011, 701201 & 701301

STA. 87+25 TO 136+50

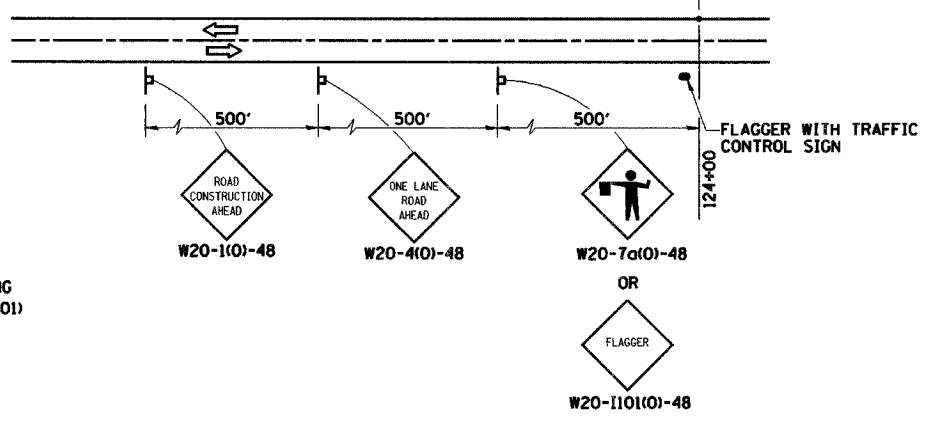
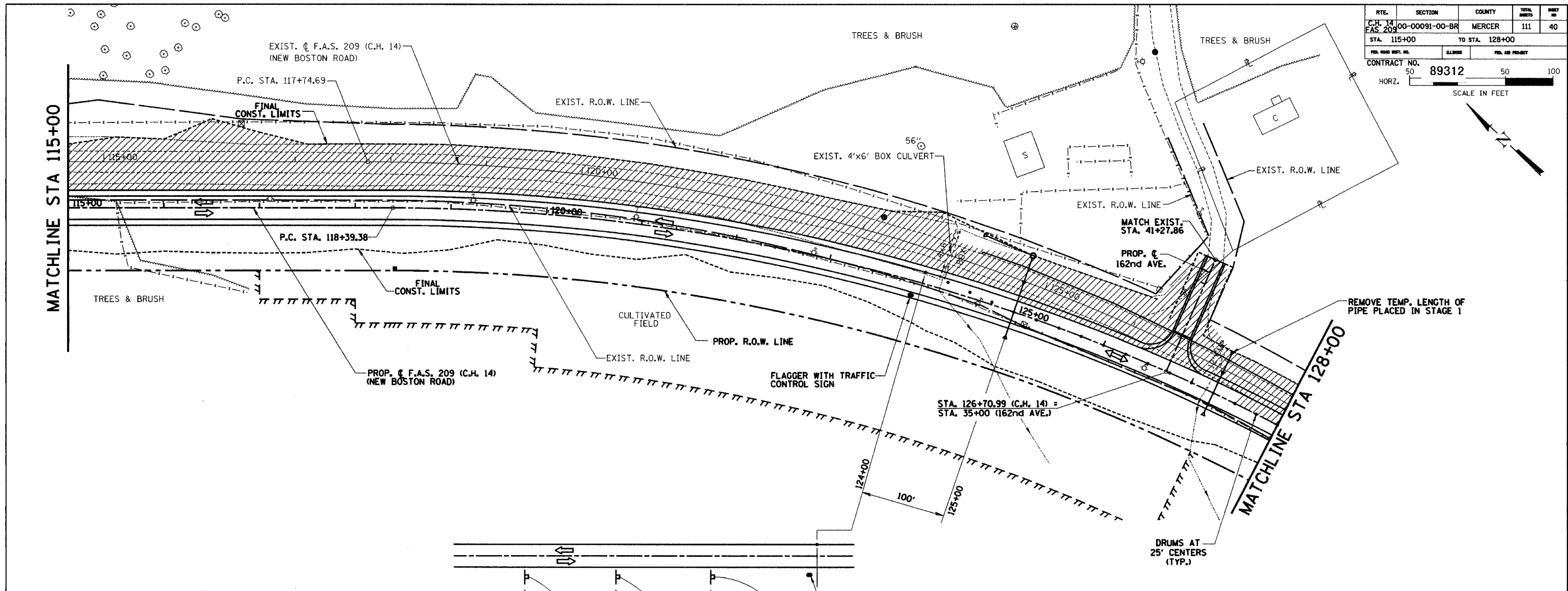
- 1 CONSTRUCT TEMPORARY ENTRANCE ACCESS FOR P.E. LT STA 104+85
- 2 CONSTRUCT P.E. LT STA 104+85
- 3 CONSTRUCT ENTRANCE AND CULVERT LT STA 103+35
- 4 REMOVE TEMPORARY ENTRANCE ACCESS LT STA 104+85
- 5 REMOVE 56' OF EXISTING 12" CROSS ROAD PIPE LT STA 105+37.50. RECONSTRUCT MANHOLE AND PLUG 15" PIPES.
- 6 RELOCATE PRC FLARED END SECTION
- 7 REMOVE REMAINING EXISTING PAVEMENT AND FINALIZE GRADING BETWEEN STA 87+25 AND EXISTING BRIDGE
- 8 CONSTRUCT F.E. AND CULVERT LT STA 109+50
- 9 REMOVE EXISTING BRIDGE AND GUARDRAIL
- 10 PARTIALLY REMOVE 4X6 BOX CULVERT STA 124+18.16 AS SHOWN IN PLANS
- 11 REMOVE REMAINING EXISTING PAVEMENT AND FINALIZE GRADING BETWEEN EXISTING BRIDGE AND STA 136+50
- 12 REMOVE TEMPORARY PIE CULVERTS AND MANHOLE LT STA 125+00 AND PLACE PROPOSED END SECTION
- 13 CONSTRUCT SIDEROAD LT STA 126+70.99
- 14 REMOVE REMAINING EXISTING PAVEMENT AND FINALIZE GRADING BETWEEN EXISTING BRIDGE AND STA 136+50
- 15 REMOVE TEMPORARY LENGTH OF PIPE CULVERT LT STA 127+25 AND RELOCATE END SECTION
- 16 CONSTRUCT SURFACE COURSE STA 87+25 TO 94+00 AND STA 127+50 TO 136+50 NORTHBOUND LANE
- 17 CONSTRUCT SHOULDER LT STA 87+25 TO 94+00 AND LT STA 127+50 TO 136+50
- 18 APPLY FINAL STRIPING STA 87+25 TO STA 94+00
- 19 APPLY FINAL STRIPING STA 127+50 TO STA 136+50

= HATCHED AREA INDICATES WORK AREA
 = DIRECTION OF TRAFFIC

LANE CLOSURE, DAY OPERATIONS ONLY
OPEN NEW ROADWAY TO TRAFFIC AT NIGHT

TRAFFIC CONTROL - STAGE 3A		
Date	Designed: SMK	F.A.S. 209 (C.H. 14) OVER KEATING CREEK NEW BOSTON ROAD SECTION 00-00091-00-BR MERCER COUNTY
Revisions	Drawn: SRS	
	Checked: SMK	
	Approved: SMK	
Prepared by:	URS 345 East Ash Avenue Decatur, IL 62526	URS Job No. 21-00001253.01

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
C.H. 14	00-00091-00-BR	MERCER	111	40
F.A.S. 209				
STA. 115+00				TO STA. 128+00
CONTRACT NO. 89312		SCALE IN FEET		
HORIZ. 50 50 100				



- = HATCHED AREA INDICATES WORK AREA
- = DIRECTION OF TRAFFIC
- = SIGN
- = DRUM

OVERALL STAGE 3A
SUGGESTED CONSTRUCTION SEQUENCE

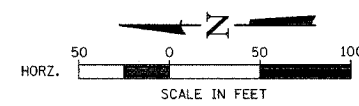
MAINTAIN 2-WAY TRAFFIC ON 1 LANE NEW PAVEMENT DURING DAYLIGHT WORKING HOURS USING TRAFFIC CONTROL STDS. 701001, 701006, 701011, 701201 & 701301

STA. 87+25 TO 136+50

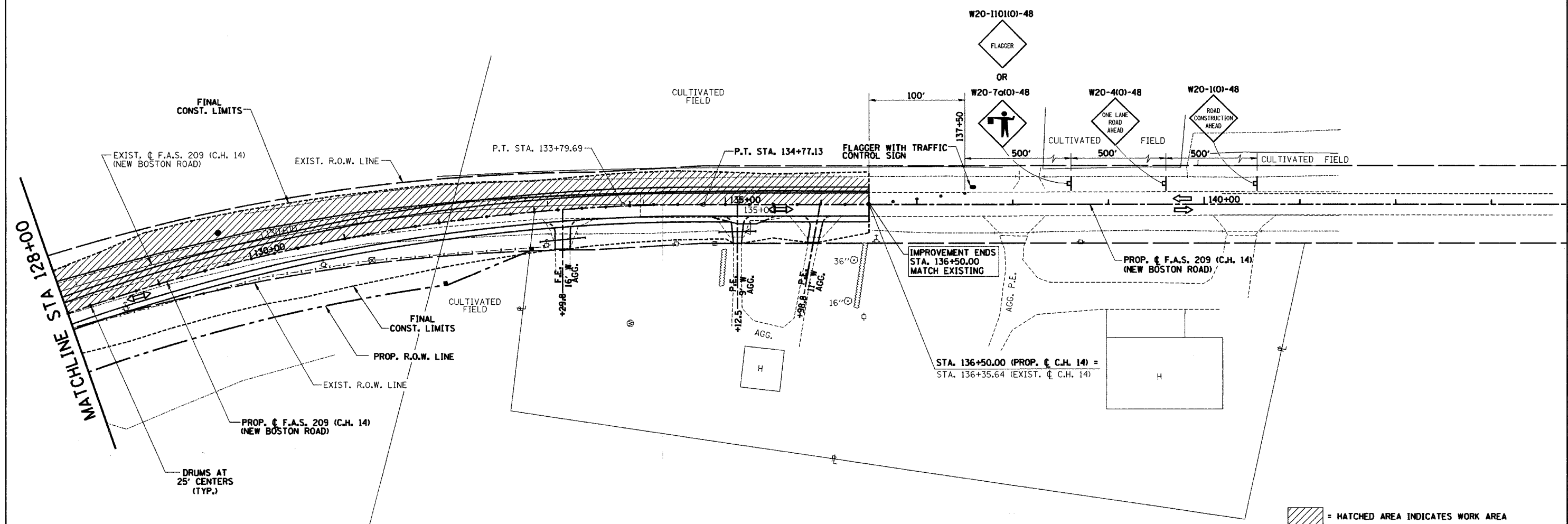
- 1 CONSTRUCT TEMPORARY ENTRANCE ACCESS FOR P.E. LT STA 104+85
- 2 CONSTRUCT P.E. LT STA 104+85
- 3 CONSTRUCT ENTRANCE AND CULVERT LT STA 103+35
- 4 REMOVE TEMPORARY ENTRANCE ACCESS LT STA 104+85
- 5 REMOVE 56' OF EXISTING 12" CROSS ROAD PIPE LT STA 105+37.50. RECONSTRUCT MANHOLE AND PLUG 15" PIPES.
- 6 RELOCATE PRC FLARED END SECTION
- 7 REMOVE REMAINING EXISTING PAVEMENT AND FINALIZE GRADING BETWEEN STA 87+25 AND EXISTING BRIDGE
- 8 CONSTRUCT F.E. AND CULVERT LT STA 109+50
- 9 REMOVE EXISTING BRIDGE AND GUARDRAIL
- 10 PARTIALLY REMOVE 4X6 BOX CULVERT STA 124+18.16 AS SHOWN IN PLANS
- 11 REMOVE REMAINING EXISTING PAVEMENT AND FINALIZE GRADING BETWEEN EXISTING BRIDGE AND STA 136+50
- 12 REMOVE TEMPORARY PIE CULVERTS AND MANHOLE LT STA 125+00 AND PLACE PROPOSED END SECTION
- 13 CONSTRUCT SIDEROAD LT STA 126+70.99
- 14 REMOVE REMAINING EXISTING PAVEMENT AND FINALIZE GRADING BETWEEN EXISTING BRIDGE AND STA 136+50
- 15 REMOVE TEMPORARY LENGTH OF PIPE CULVERT LT STA 127+25 AND RELOCATE END SECTION
- 16 CONSTRUCT SURFACE COURSE STA 87+25 TO 94+00 AND STA 127+50 TO 136+50 NORTHBOUND LANE
- 17 CONSTRUCT SHOULDER LT STA 87+25 TO 94+00 AND LT STA 127+50 TO 136+50
- 18 APPLY FINAL STRIPING STA 87+25 TO STA 94+00
- 19 APPLY FINAL STRIPING STA 127+50 TO STA 136+50

NOTE:
AT END OF WORK DAY, MOVE DRUMS TO EDGE OF PAVEMENT TO ALLOW FOR 2-WAY TRAFFIC AT NIGHT ON NEW ROADWAY.

TRAFFIC CONTROL - STAGE 3A		
Date	Designed: SMK	F.A.S. 209 (C.H. 14) OVER KEATING CREEK NEW BOSTON ROAD SECTION 00-00091-00-BR MERCER COUNTY
Revisions	Drawn: SRS	
	Checked: SMK	
	Approved: SMK	
Prepared by:	URS 345 East Ash Avenue Decatur, IL 62526	URS Job No. 21-00001253.01



RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
C.H. 14 F.A.S. 209	00-00091-00-BR	MERCER	111	41
STA. 128+00	TO STA. 140+00			
CONTRACT NO.		89312		



**OVERALL STAGE 3A
SUGGESTED CONSTRUCTION SEQUENCE**

MAINTAIN 2-WAY TRAFFIC ON 1 LANE NEW PAVEMENT DURING DAYLIGHT WORKING HOURS USING TRAFFIC CONTROL STDS. 701001, 701006, 701011, 701201 & 701301)

STA. 87+25 TO 136+50

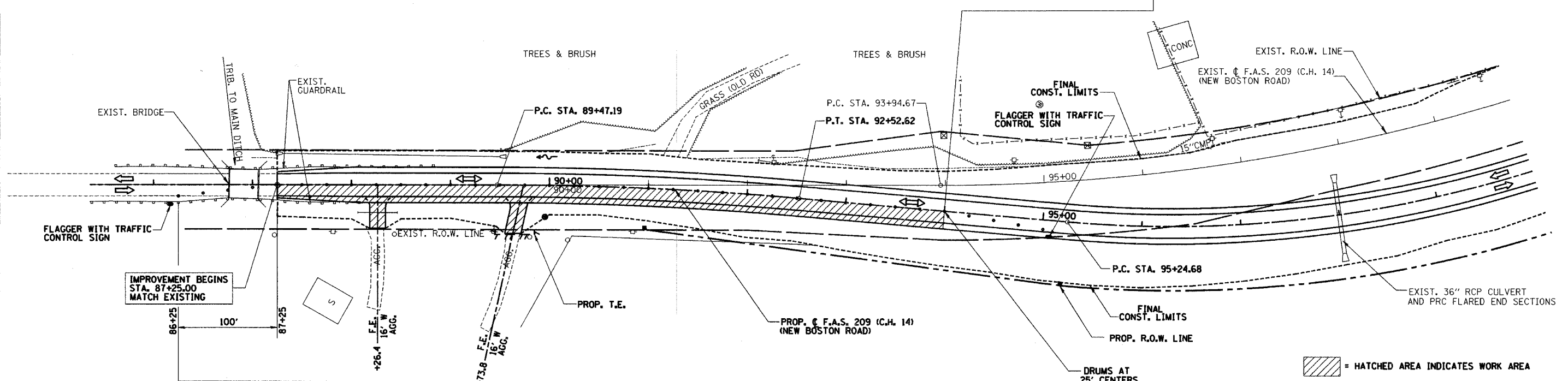
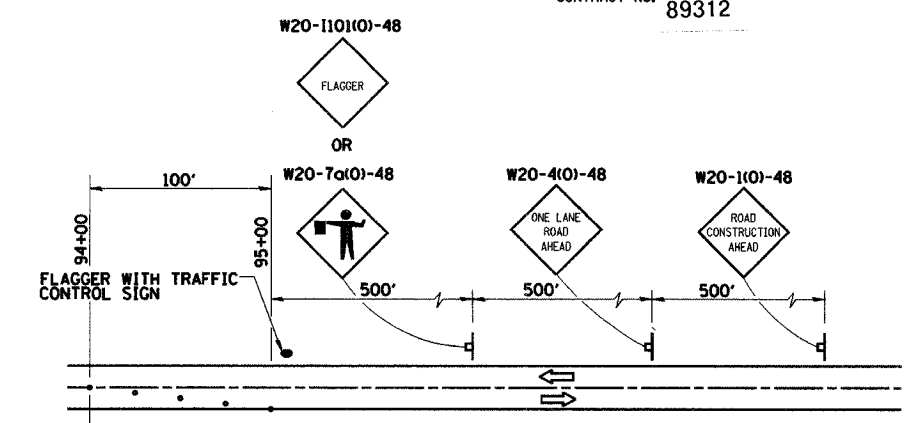
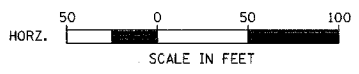
- 1 CONSTRUCT TEMPORARY ENTRANCE ACCESS FOR P.E. LT STA 104+85
- 2 CONSTRUCT P.E. LT STA 104+85
- 3 CONSTRUCT ENTRANCE AND CULVERT LT STA 103+35
- 4 REMOVE TEMPORAY ENTRANCE ACCESS LT STA 104+85
- 5 REMOVE 56' OF EXISTING 12" CROSS ROAD PIPE LT STA 105+37.50. RECONSTRUCT MANHOLE AND PLUG 15" PIPES.
- 6 RELOCATE PRC FLARED END SECTION
- 7 REMOVE REMAINING EXISTING PAVEMENT AND FINALIZE GRADING BETWEEN STA 87+25 AND EXISTING BRIDGE
- 8 CONSTRUCT F.E. AND CULVERT LT STA 109+50
- 9 REMOVE EXISTING BRIDGE AND GUARDRAIL
- 10 PARTIALLY REMOVE 4X6 BOX CULVERT STA 124+18.16 AS SHOWN IN PLANS
- 11 REMOVE REMAINING EXISTING PAVEMENT AND FINALIZE GRADING BETWEEN EXISTING BRIDGE AND STA 136+50
- 12 REMOVE TEMPORARY PIE CULVERTS AND MANHOLE LT STA 125+00 AND PLACE PROPOSED END SECTION
- 13 CONSTRUCT SIDEROAD LT STA 126+70.99
- 14 REMOVE REMAINING EXISTING PAVEMENT AND FINALIZE GRADING BETWEEN EXISTING BRIDGE AND STA 136+50
- 15 REMOVE TEMPORARY LENGTH OF PIPE CULVERT LT STA 127+25 AND RELOCATE END SECTION
- 16 CONSTRUCT SURFACE COURSE STA 87+25 TO 94+00 AND STA 127+50 TO 136+50 NORTHBOUND LANE
- 17 CONSTRUCT SHOULDER LT STA 87+25 TO 94+00 AND LT STA 127+50 TO 136+50
- 18 APPLY FINAL STRIPING STA 87+25 TO STA 94+00
- 19 APPLY FINAL STRIPING STA 127+50 TO STA 136+50

- = HATCHED AREA INDICATES WORK AREA
- = DIRECTION OF TRAFFIC
- = SIGN
- = DRUM

NOTE:
AT END OF WORK DAY, MOVE DRUMS TO EDGE OF PAVEMENT TO ALLOW FOR 2-WAY TRAFFIC AT NIGHT ON NEW ROADWAY.

TRAFFIC CONTROL - STAGE 3A		
Date	Designed: SMK	F.A.S. 209 (C.H. 14) OVER KEATING CREEK NEW BOSTON ROAD SECTION 00-00091-00-BR MERCER COUNTY
Revisions	Drawn: SRS	
	Checked: SMK	
	Approved: SMK	
Prepared by:	URS 345 East Ash Avenue Decatur, IL 62526	URS Job No. 21-00001253.01

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
C.H. 14	00-00091-00-BR	MERCER	111	42
F.A.S. 209				
STA. 87+25		TO STA. 100+00		
PBL. ROAD DIST. NO.	ILLINOIS	PBL. AID PROJECT		
CONTRACT NO. 89312				



OVERALL STAGE 3B
SUGGESTED CONSTRUCTION SEQUENCE

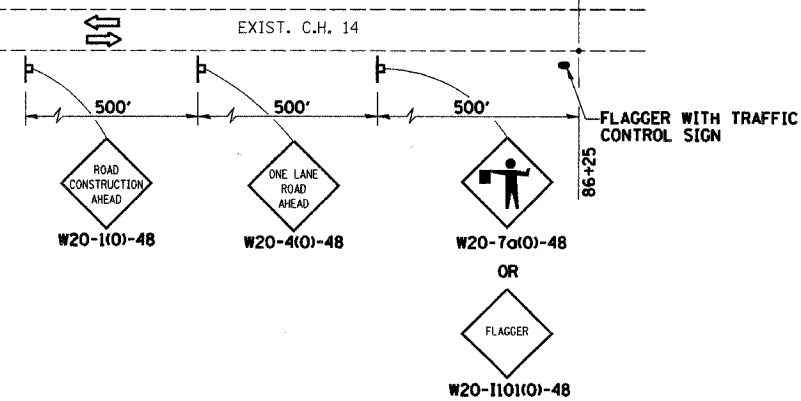
MAINTAIN 2-WAY TRAFFIC ON 1 LANE NEW PAVEMENT DURING DAYLIGHT WORKING HOURS USING TRAFFIC CONTROL STDS. 701001, 701006, 701011, 701201 & 701301)

STA. 87+25 TO 136+50

- 1 CONSTRUCT SURFACE COURSE STA 87+25 TO 94+00 AND STA 127+50 TO 136+50 SOUTHBOUND LANE
- 2 CONSTRUCT SHOULDER AND MAILBOX TURNOUTS RT STA 87+25 TO 94+00 AND RT STA 127+50 TO 136+50
- 3 APPLY FINAL STIPING STA 87+25 TO STA 94+00
- 4 APPLY FINAL STIPING STA 127+50 TO STA 136+50
- 5 CONSTRUCT F.E. RT STA 88+26.4 AND STA 89+73.8
- 6 CONSTRUCT F.E. RT STA 133+29.8
- 7 CONSTRUCT P.E. RT STA 135+12.5 AND STA 135+98.8

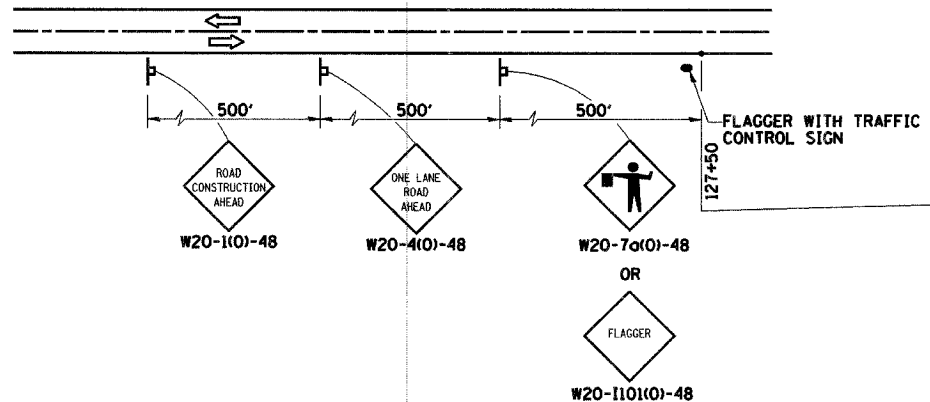
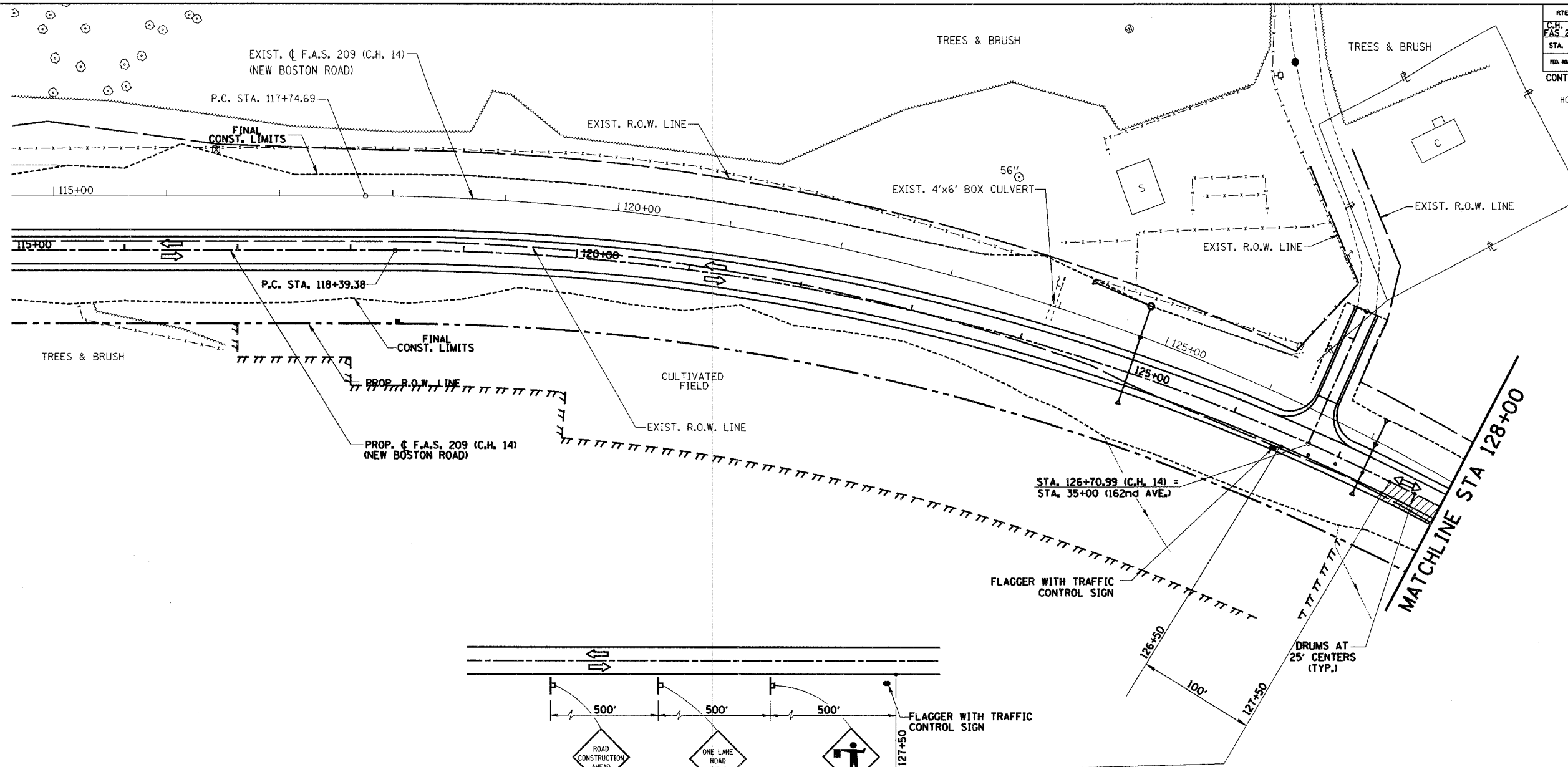
- = HATCHED AREA INDICATES WORK AREA
- = DIRECTION OF TRAFFIC
- = SIGN
- = DRUM

NOTE:
AT END OF WORK DAY, MOVE DRUMS TO EDGE OF PAVEMENT TO ALLOW FOR 2-WAY TRAFFIC AT NIGHT ON NEW ROADWAY.



TRAFFIC CONTROL - STAGE 3B		F.A.S. 209 (C.H. 14) OVER KEATING CREEK NEW BOSTON ROAD SECTION 00-00091-00-BR MERCER COUNTY
Date	Designed: SMK	
Revisions	Drawn: SRS	
	Checked: SMK	
	Approved: SMK	
Prepared by: URS	345 East Ash Avenue Decatur, IL 62526	URS Job No. 21-00001253.01

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
C.H. 14 F.A.S. 209	00-00091-00-BR	MERCER	111	43
STA. 115+00	TO STA. 128+00			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 89312		HORIZ. SCALE IN FEET		



- = HATCHED AREA INDICATES WORK AREA
- = DIRECTION OF TRAFFIC
- = SIGN
- = DRUM

OVERALL STAGE 3B
SUGGESTED CONSTRUCTION SEQUENCE

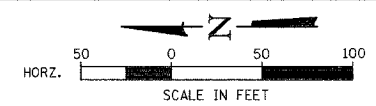
MAINTAIN 2-WAY TRAFFIC ON 1 LANE NEW PAVEMENT DURING DAYLIGHT WORKING HOURS USING TRAFFIC CONTROL STDS. 701001, 701006, 701011, 701201 & 701301

STA. 87+25 TO 136+50

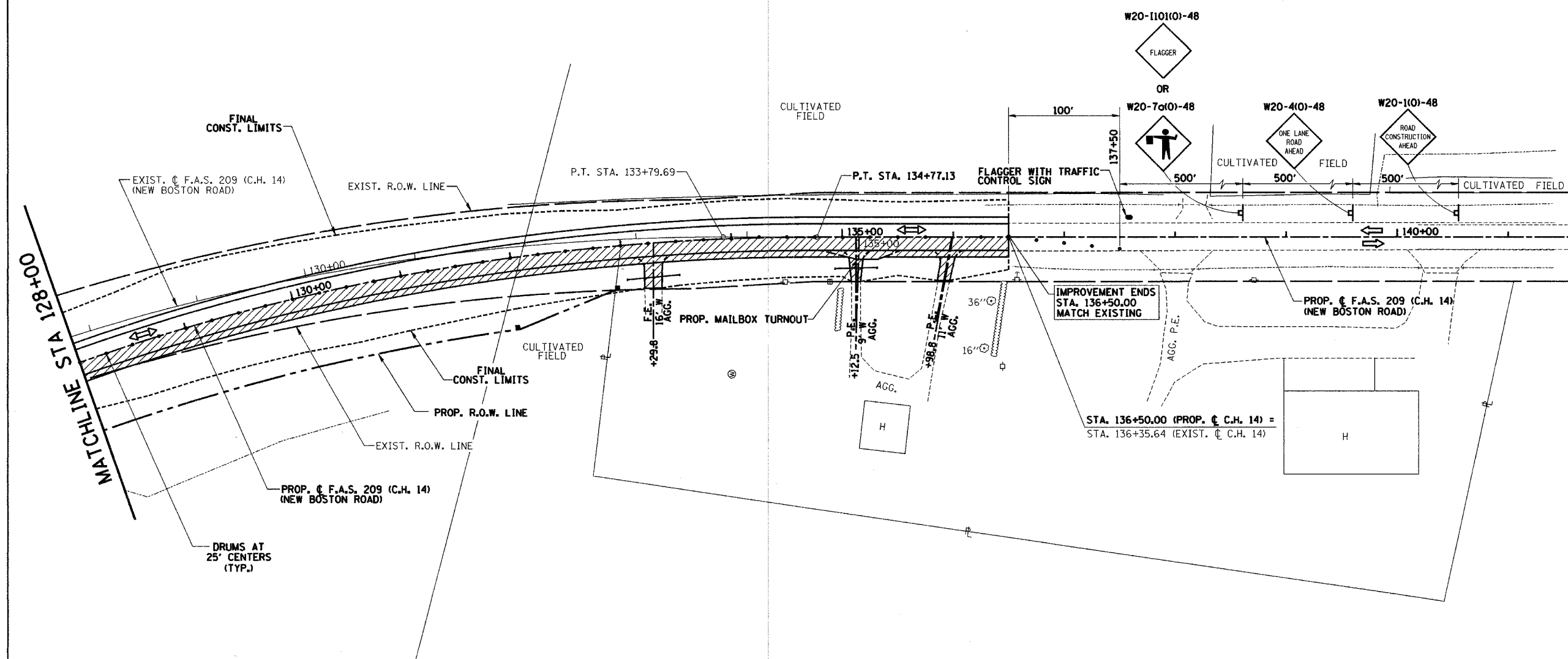
- 1 CONSTRUCT SURFACE COURSE STA 87+25 TO 94+00 AND STA 127+50 TO 136+50 SOUTHBOUND LANE
- 2 CONSTRUCT SHOULDER AND MAILBOX TURNOUTS RT STA 87+25 TO 94+00 AND RT STA 127+50 TO 136+50
- 3 APPLY FINAL STIPING STA 87+25 TO STA STA 94+00
- 4 APPLY FINAL STIPING STA 127+50 TO STA 136+50
- 5 CONSTRUCT F.E. RT STA 88+26.4 AND STA 89+73.8
- 6 CONSTRUCT F.E. RT STA 133+29.8
- 7 CONSTRUCT P.E. RT STA 135+12.5 AND STA 135+98.8

NOTE:
AT END OF WORK DAY, MOVE DRUMS TO EDGE OF PAVEMENT TO ALLOW FOR 2-WAY TRAFFIC AT NIGHT ON NEW ROADWAY.

TRAFFIC CONTROL - STAGE 3B		
Date	Designed: SMK	F.A.S. 209 (C.H. 14) OVER KEATING CREEK NEW BOSTON ROAD SECTION 00-00091-00-BR MERCER COUNTY
Revisions	Drawn: SRS	
	Checked: SMK	
	Approved: SMK	
Prepared by: URS	345 East Ash Avenue Decatur, IL 62526	URS Job No. 21-00001253.01



RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
C.H. 14 F.A.S. 209	00-00091-00-BR	MERCER	111	44
STA. 128+00		TO STA. 140+00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 89312				



OVERALL STAGE 3B
SUGGESTED CONSTRUCTION SEQUENCE

MAINTAIN 2-WAY TRAFFIC ON 1 LANE NEW PAVEMENT DURING DAYLIGHT WORKING HOURS USING TRAFFIC CONTROL STDS. 701001, 701006, 701011, 701201 & 701301)

STA. 87+25 TO 136+50

- 1 CONSTRUCT SURFACE COURSE STA 87+25 TO 94+00 AND STA 127+50 TO 136+50 SOUTHBOUND LANE
- 2 CONSTRUCT SHOULDER AND MAILBOX TURNOUTS RT STA 87+25 TO 94+00 AND RT STA 127+50 TO 136+50
- 3 APPLY FINAL STIPING STA 87+25 TO STA STA 94+00
- 4 APPLY FINAL STIPING STA 127+50 TO STA 136+50
- 5 CONSTRUCT F.E. RT STA 88+26.4 AND STA 89+73.8
- 6 CONSTRUCT F.E. RT STA 133+29.8
- 7 CONSTRUCT P.E. RT STA 135+12.5 AND STA 135+98.8

- = HATCHED AREA INDICATES WORK AREA
- = DIRECTION OF TRAFFIC
- = SIGN
- = DRUM

NOTE:
AT END OF WORK DAY, MOVE DRUMS TO EDGE OF PAVEMENT TO ALLOW FOR 2-WAY TRAFFIC AT NIGHT ON NEW ROADWAY.

TRAFFIC CONTROL - STAGE 3B		
Date	Designed: SMK	F.A.S. 209 (C.H. 14) OVER KEATING CREEK NEW BOSTON ROAD SECTION 00-00091-00-BR MERCER COUNTY
Revisions	Drawn: SRS	
	Checked: SMK	
	Approved: SMK	
Prepared by:	URS 345 East Ash Avenue Decatur, IL 62526	
		URS Job No. 21-00001253.01

EROSION CONTROL GENERAL NOTES

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
C.H. 14 F.A.S. 209	00-00091-00-BR	MERCER	111	45
FED. ROAD DIST. NO.	ILLINOIS PROJECT			

CONTRACT NO. 89312

STORM WATER POLLUTION PREVENTION PLAN

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 PURPOSE OF THIS PLAN IS TO 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 AMOUNT OF TIME.

CERTAIN ITEMS, AS SHOWN IN THIS PLAN, 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 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 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 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, AS SHOWN IN THE PLAN DETAILS, AND AS SHOWN IN STANDARD 280001 OF THE PLANS.

THE PLANS INCLUDE ESTIMATED QUANTITIES FOR TEMPORARY EROSION CONTROL ITEMS. THESE ARE THE WORSE CASE ESTIMATES AND DISTURBANCE OR AREAS BEYOND THE LIMITS ARE TO BE HELD TO A MINIMUM.

FINAL SEEDING UTILIZING CLASS 2A AND CLASS 7 SEEDING AND MULCH METHOD 2 SHALL BE PERFORMED AS SOON AS POSSIBLE. EROSION CONTROL BLANKET SHALL BE USED ON ALL SLOPES THAT ARE STEEPER THAN 3:1.

SITE DESCRIPTION

DESCRIPTION OF CONSTRUCTION ACTIVITY:

1. A PROPOSED WETLAND WILL BE CONSTRUCTED TO MITIGATE THE LOSSES TO THE EXISTING WETLAND.
2. THE PROPOSED PROJECT CONSISTS OF THE WIDENING AND RESURFACING OF A PORTION, AND THE REALIGNMENT, GRADING AND PAVING OF A PORTION OF 0.93 MILES OF F. A. S. ROUTE 209 (COUNTY HWY. 14).
3. CONSTRUCTION CONSISTS OF REMOVAL OF SOME EXISTING PAVEMENT, CULVERTS AND APPURTENANCES; THE EXCAVATION AND GRADING, DITCH CONSTRUCTION, CULVERT CONSTRUCTION, PAVING, AND OTHER MISCELLANEOUS WORK TO COMPLETE A TWO LANE ROADWAY, AS WELL AS THE CONSTRUCTION OF A NEW STRUCTURE ACROSS KEATING CREEK.

DESCRIPTION OF INTENDED SEQUENCE FOR MAJOR CONSTRUCTION ACTIVITIES WHICH WILL DISTURB EARTH AND LEAD TO POSSIBLE EROSION FOR MAJOR PORTIONS OF THE CONSTRUCTION SITE:

1. CONSTRUCT PROPOSED WETLAND.
2. TREE REMOVAL WILL BE COMPLETED TO CLEAR APPROXIMATELY 0.75 ACRES OF TREES.
3. EXCAVATION WILL BE COMPLETED ALONG THE ENTIRE LENGTH OF THE JOB TO GRADE THE PROPOSED ROADWAY AND GRADE THE PROPOSED ROADWAY DITCHES.
4. NECESSARY EMBANKMENT WILL BE PLACED AT CULVERT LOCATIONS AND CULVERTS CONSTRUCTED IN THE EXCAVATED EMBANKMENT.
5. CONSTRUCT PAVEMENT AND SHOULDERS ON NEW ALIGNMENT, EXCAVATED EMBANKMENT.
6. PLACEMENT, MAINTENANCE, REMOVAL AND PROPER CLEAN-UP OF TEMPORARY EROSION CONTROL ITEMS INCLUDING EROSION CONTROL FENCE, SILT HEDGES, ROLLED EXCELSIOR OR AGGREGATE DITCH CHECKS, SEEDING, AND OTHER MISCELLANEOUS EROSION CONTROL MEASURES.
7. FINAL ROADWAY GRADING AND PAVING AND OTHER MISCELLANEOUS ITEMS.
8. PLACEMENT OF PERMANENT EROSION CONTROL ITEMS, INCLUDING DITCH REPRAP AND LININGS, ENERGY DISSIPATORS, EROSION CONTROL BLANKET, SEEDING, ETC.

DESCRIPTION OF STABILIZATION PRACTICES DURING CONSTRUCTION:

1. DURING ROADWAY CONSTRUCTION, AREAS OUTSIDE THE CONSTRUCTION SLOPE LIMITS AS OUTLINED PREVIOUSLY HEREIN SHALL BE PROTECTED FROM DAMAGING EFFECTS OF CONSTRUCTION. THE CONTRACTOR SHALL NOT USE THIS AREA FOR STAGING (EXCEPT AS DESIGNATED ON THE PLANS OR DIRECTED BY THE ENGINEER), PARKING OF VEHICLES OR CONSTRUCTION EQUIPMENT, STORAGE OF MATERIALS, OR OTHER CONSTRUCTION RELATED ACTIVITIES.
2. WITHIN THE CONSTRUCTION ZONE, CRITICAL AREAS WHICH HAVE HIGH FLOWS OF WATER AS DETERMINED BY THE ENGINEER SHALL REMAIN UNDISTURBED UNTIL FULL SCALE CONSTRUCTION IS UNDERWAY TO PREVENT UNNECESSARY SOIL EROSION.
3. EARTH STOCKPILES SHALL BE TEMPORARILY SEEDED IF THEY ARE TO REMAIN UNUSED FOR MORE THAN FOURTEEN DAYS.
4. AS THE CONTRACTOR CONSTRUCTS A PORTION OF ROADWAY IN A FILL SECTION HE/SHE SHALL FOLLOW THE FOLLOWING STEPS AS DIRECTED BY THE ENGINEER:
 - PLACE TEMPORARY EROSION CONTROL SYSTEMS AT LOCATIONS WHERE WATER LEAVES AND RETURNS FROM THE CONSTRUCTION ZONE.
 - TEMPORARILY SEED HIGHLY ERODABLE AREAS OUTSIDE THE CONSTRUCTION SLOPE LIMITS.
 - CONSTRUCT ROADSIDE DITCHES AND PROVIDE TEMPORARY EROSION CONTROL SYSTEMS.
 - TEMPORARILY DIVERT WATER AROUND PROPOSED CULVERT LOCATIONS.
 - BUILD NECESSARY EMBANKMENT AT CULVERT LOCATIONS AND THEN EXCAVATE AND PLACE CULVERT.
 - CONTINUE BUILDING UP THE EMBANKMENT TO THE PROPOSED GRADE WHILE AT THE SAME TIME PLACING PERMANENT EROSION CONTROL SUCH AS RIPRAP, DITCH LINING, AND CONDUCT FINAL SHAPING TO THE SLOPES.
5. EXCAVATED AREAS AND EMBANKMENTS SHALL BE PERMANENTLY SEEDED WHEN FINAL GRADED. IF NOT, THEY SHALL BE TEMPORARILY SEEDED IF NO CONSTRUCTION ACTIVITY IN THE AREA IS PLANNED FOR FOURTEEN DAYS.
6. CONSTRUCTION EQUIPMENT SHALL BE STORED AND FUELED ONLY AT DESIGNATED LOCATIONS. ALL NECESSARY MEASURES SHALL BE TAKEN TO CONTAIN ANY FUEL OR POLLUTION RUN-OFF IN COMPLIANCE WITH EPA WATER QUALITY REGULATIONS. LEAKING, EQUIPMENT OR SUPPLIES SHALL BE IMMEDIATELY REPAIRED OR REMOVED FROM THE SITE.
7. THE RESIDENT ENGINEER SHALL INSPECT THE PROJECT ON A REGULAR BASIS, AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF EACH 0.5 INCH RAINFALL OR EQUIVALENT SNOWFALL, TO DETERMINE THAT EROSION CONTROL EFFORTS ARE IN PLACE AND EFFECTIVE AND IF OTHER EROSION CONTROL WORK IS NECESSARY.
8. SEDIMENT COLLECTED DURING CONSTRUCTION BY THE VARIOUS TEMPORARY EROSION CONTROL SYSTEMS SHALL BE DISPOSED OF ON THE SITE ON A REGULAR BASIS AS DIRECTED BY THE ENGINEER. SILT FENCE SHALL HAVE SEDIMENT REMOVED WHEN IT REACHES 50% OF THE HEIGHT OF THE CONTROL DEVICE. THE COST OF THE MAINTENANCE AND CLEANING OF THE EROSION AND SEDIMENT CONTROL ITEMS SHALL BE INCLUDED IN THE RESPECTIVE PAY ITEMS. NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
9. THE TEMPORARY EROSION CONTROL SYSTEMS SHALL BE REMOVED AS DIRECTED BY THE ENGINEER AFTER USE IS NO LONGER NEEDED OR NO LONGER FUNCTIONING. THE COST OF THIS REMOVAL SHALL BE INCLUDED IN THE UNIT BID PRICE FOR THE TEMPORARY EROSION CONTROL SYSTEM. NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

DESCRIPTIONS OF STRUCTURAL PRACTICES AFTER FINAL GRADING:

TEMPORARY EROSION CONTROL SYSTEMS SHALL BE LEFT IN PLACE WITH PROPER MAINTENANCE UNTIL PERMANENT EROSION CONTROL IS IN PLACE AND WORKING PROPERLY AND ALL PROPOSED TURF AREAS SEEDED AND ESTABLISHED WITH A PROPER STAND.

ONCE PERMANENT EROSION CONTROL SYSTEMS AND ITEMS AS PROPOSED IN THE PLANS ARE FUNCTIONAL AND ESTABLISHED, TEMPORARY ITEMS SHALL BE REMOVED, CLEANED UP, AND DISTURBED TURF RESEDED.

MAINTENANCE AFTER CONSTRUCTION:

1. FINAL INSPECTION WILL OCCUR AFTER ROADWAY IS COMPLETE AND THE ROADWAY SIGNING IS IN PLACE AND THE ROAD COMPLETELY OPENED TO TRAFFIC.
2. CONSTRUCTION IS COMPLETE AFTER ACCEPTANCE IS RECEIVED AT THE FINAL INSPECTION.

EROSION CONTROL		
Date	Designed: RLS	F.A.S. 209 (C.H. 14) OVER KEATING CREEK NEW BOSTON ROAD SECTION 00-00091-00-BR MERCER COUNTY
Revisions	Drawn: RLS	
	Checked: SMK	
	Approved: SMK	
Prepared by:	URS 345 East Ash Avenue Decatur, IL 62526	URS Job No. 21-00001253.01

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
C.H. 14 F.A.S. 209	00-00091-00-BR	MERCER	111	46
FED. ROAD DIST. NO.	ILLINOIS PROJECT			

CONTRACT NO. **89312**

EROSION CONTROL SCHEDULE

LOCATION	TEMP DITCH CHECKS (EACH)	PERIMETER EROS BAR (FOOT)	INLET & PIPE PROTECT (EACH)	EROSION CONTR BLANKET (SQ YD)	TEMP EROS CONTR SEED (POUND)
RT 87+25	1				
LT 87+25	1				
LT 87+25 TO LT 88+00		97			
RT 87+25 TO RT 88+18.5		111			
LT 87+25 TO LT 100+00				1065.8	22
LT 87+43	1				
RT 87+50	1				
RT 88+46			1		
LT 89+50			1		
LT 89+55	1				
RT 89+71 TO RT 97+98		861			
LT 91+09	1				
LT 92+63	1				
LT 95+23	1				
LT 95+96	1				
LT 96+70	1				
LT 97+43	1				
LT 97+50	1				
LT 97+81	1				
LT 97+95	1				
LT 98+00			1		
RT 98+02 TO RT 109+42		1232			
LT 98+05	1				
LT 99+80	1				
LT 100+00 TO LT 115+00				2520.3	52
LT 103+00	1				
LT 103+69			1		
LT 103+71	1				
RT 104+50	1				
LT 105+15	1				
LT 105+35	1				
LT 105+50			1		
LT 105+67 TEMP PIPE			1		
LT 106+00	1				
LT 108+30	1				
RT 109+59 TO RT 111+50		234			
LT 109+86			1		
LT 110+76	1				
LT 111+90 TO LT 114+00		210			
LT 111+90 TO LT 114+00 WETLAND		463			
LT 111+95	1				
RT 112+00 TO RT 129+50		1872.5			
LT 112+14			1		
LT 113+10	1				
LT 114+98	1				
LT 116+05	1				
LT 117+13	1				
LT 118+20	1				
LT 119+28	1				
LT 120+35	1				
RT 120+50	1				
LT 121+43	1				
LT 124+48 TEMP PIPE			1		
LT 124+90	1				
LT 125+00 AND TEMPORARY INLET			2		
LT 125+10	1				
LT 125+45	1				
LT 125+98	1				
LT 127+25 TEMP PIPE			1		
LT 127+25			1		
LT 127+40	1				
LT 128+00 TO LT 136+50				897.3	19
RT 128+50	1				
RT 129+15	1				
SUBTOTALS	41	5080.5	13	4483.4	93

EROSION CONTROL SCHEDULE (CONT)

LOCATION	TEMP DITCH CHECKS (EACH)	PERIMETER EROS BAR (FOOT)	INLET & PIPE PROTECT (EACH)	EROSION CONTR BLANKET (SQ YD)	TEMP EROS CONTR SEED (POUND)
CARRIED FORWARD	41	5080.5	13	4483.4	93
RT 130+77	1				
LT 133+52			1		
LT 133+70	1				
LT 135+32			1		
LT 136+50	1				
TOTALS	44	5080.5	15	* 4483.4	93

* NOT A TOTAL QUANTITY. SEE PERMANENT SEEDING SCHEDULE.

EROSION CONTROL GENERAL NOTES

OTHER REPORTS, STUDIES, AND PLANS WHICH AID IN THE DEVELOPMENT OF THIS STORM WATER POLLUTION PREVENTION PLAN AS REFERENCED DOCUMENTS:

1. INFORMATION OF THE SOILS AND TERRAIN WITHIN THE SITE WAS OBTAINED FROM FIELD REVIEWS AND SOIL BORINGS WHICH WERE UTILIZED FOR PROPOSED PLACEMENT OF TEMPORARY EROSION CONTROL SYSTEMS.
2. SITE MAPS INDICATING DRAINAGE PATTERNS WERE EVALUATED. APPROXIMATE SLOPES ANTICIPATED BEFORE AND AFTER MAJOR GRADING ACTIVITIES. USGS DRAINAGE MAPS, AND PROJECT PLAN DOCUMENTS WERE ALSO UTILIZED FOR PROPOSED PLACEMENT OF THE TEMPORARY EROSION CONTROL ITEMS.

DRAINAGE TRIBUTARIES RECEIVING WATER FROM THIS CONSTRUCTION SITE:

1. MINOR UNNAMED STREAMS TRIBUTARY TO THE MISSISSIPPI RIVER.

CONTROLS-EROSION CONTROLS AND SEDIMENT CONTROL

1. INLET AND PIPE PROTECTION SHALL BE USED AT THE UPSTREAM ENDS OF PROPOSED CULVERTS.
2. EROSION CONTROL BARRIER SHALL BE USED ON EARTH SLOPES STEEPER THAN 3:1.
3. MULCH METHOD 2 SHALL BE USED ON ALL CLASS 7 SEEDING AREAS.

DESCRIPTION OF STABILIZATION PRACTICES AT THE BEGINNING OF CONSTRUCTION:

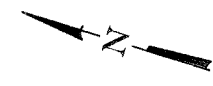
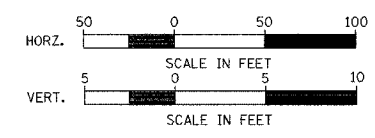
1. THE BOUNDARIES AND LIMITS OF THE PROJECT WILL BE MANAGED FOR THE PURPOSE OF CONTROLLING EROSION WITHIN THE AREA BY ESTABLISHING VEGETATIVE COVER, WHICH WILL BECOME PERMANENT VEGETATION AND ACT AS AN EROSION BARRIER. WORK AT THE BEGINNING OF THE CONSTRUCTION WILL CONSIST OF THE FOLLOWING:
 - AREAS OF EXISTING VEGETATION (WOODS AND GRASSLANDS) OUTSIDE THE PROPOSED CONSTRUCTION SLOPE LIMITS SHALL BE IDENTIFIED FOR PRESERVING AND SHALL BE PROTECTED FROM MOWING, BRUSH CUTTING, TREE REMOVAL AND OTHER ACTIVITIES WHICH WOULD BE DETRIMENTAL TO THEIR MAINTENANCE AND DEVELOPMENT
 - DEAD, DISEASED, OR UNSUITABLE VEGETATION WITHIN THE SITE SHALL BE REMOVED AS DIRECTED BY THE ENGINEER, ALONG WITH REQUIRED TREE REMOVAL
 - AS SOON AS POSSIBLE ACCESS IS AVAILABLE (SUCH AS TREES CLEARED) TO ALL LOCATIONS WHERE WATER DRAINS AWAY FROM THE PROJECT, PERIMETER EROSION BARRIER SHALL BE INSTALLED AS CALLED OUT IN THIS PLAN AND AS DIRECTED BY THE ENGINEER.
 - BARE AND SPARSELY VEGETATED GROUND IN HIGHLY ERODABLE AREAS AS DETERMINED BY THE ENGINEER SHALL BE TEMPORARILY SEEDED AT THE BEGINNING OF CONSTRUCTION WHERE NO CONSTRUCTION ACTIVITIES ARE EXPECTED WITHIN FOURTEEN DAYS
 - IMMEDIATELY AFTER TREE REMOVAL IS COMPLETED IN CERTAIN AREAS WHICH ARE HIGHLY ERODABLE AREAS AS DETERMINED BY THE ENGINEER, THE AREAS SHALL BE TEMPORARILY SEEDED WHERE NO CONSTRUCTION ACTIVITIES ARE EXPECTED WITHIN FOURTEEN DAYS.
2. ESTABLISHMENT OF THESE TEMPORARY EROSION CONTROL MEASURES WILL HAVE ADDITIONAL BENEFITS TO THE PROJECT. DESIRABLE GRASS SEED WILL BECOME ESTABLISHED IN THESE AREAS AND MAY SPREAD SEEDS ONTO THE CONSTRUCTION SITE UNTIL PERMANENT SEEDING/MOWING AND OVERSEEDING CAN BE COMPLETED
3. A THIRD BENEFIT OF THESE AREAS IS THAT THEY WILL BEGIN TO PROVIDE A SCREEN AND BUFFER. THEY WILL HELP PROTECT THE CONSTRUCTION SITE FROM WINDS AND EXCESS SUN AND MITIGATE CONSTRUCTION NOISE AND DUST.

EROSION CONTROL

Date	Designed: RLS	F.A.S. 209 (C.H. 14) OVER KEATING CREEK NEW BOSTON ROAD SECTION 00-00091-00-BR MERCER COUNTY
Revisions	Drawn: RLS	
	Checked: SMK	
	Approved: SMK	
Prepared by:	URS 345 East Ash Avenue Decatur, IL 62526	URS Job No. 21-00001253.01

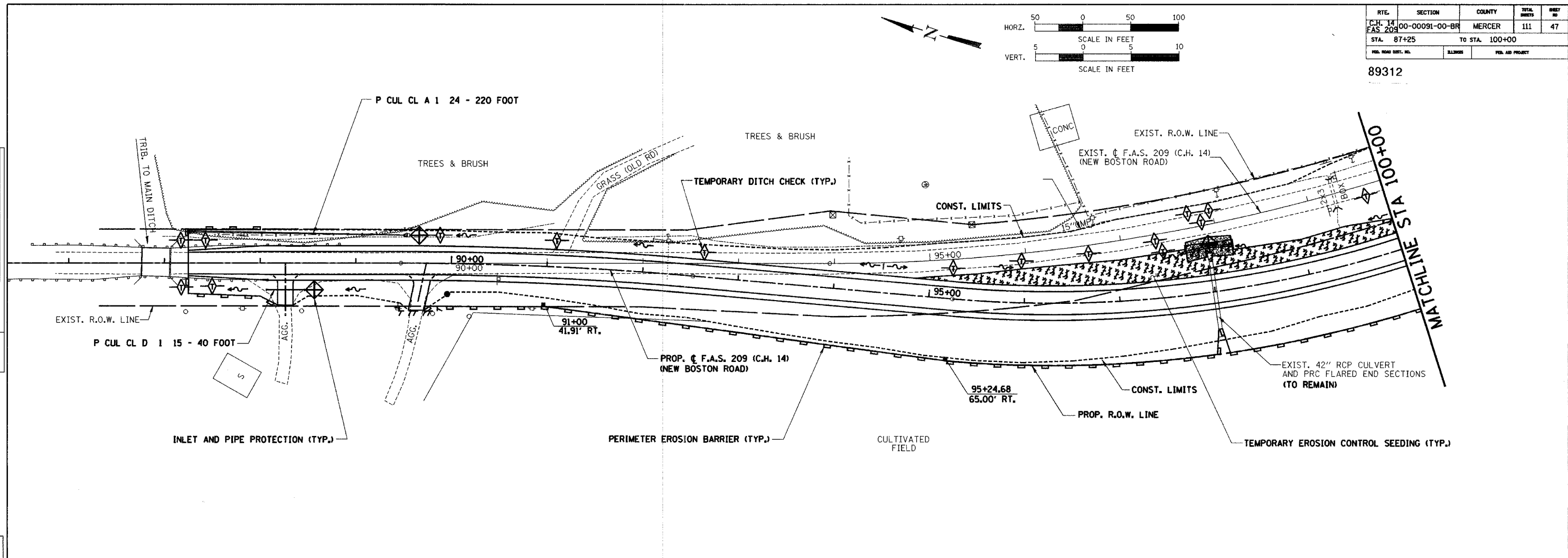
RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
C.H. 14 F.A.S. 209	00-00091-00-BR	MERCER	111	47
STA. 87+25	TO STA. 100+00			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

89312



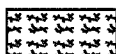



PLAN	DATE	BY
SURVEYED		
PLANNED		
DESIGNED		
CHECKED		
RT. OF WAY CHECKED		
ADD. FILE NAME		
NOTE BOOK NO.		

PROFILE	DATE	BY
SURVEYED		
BLM. NOTED		
GRADES CHECKED		
STRUCTURE NOTATIONS OK'D		
NOTE BOOK NO.		



TEMPORARY EROSION CONTROL LEGEND:

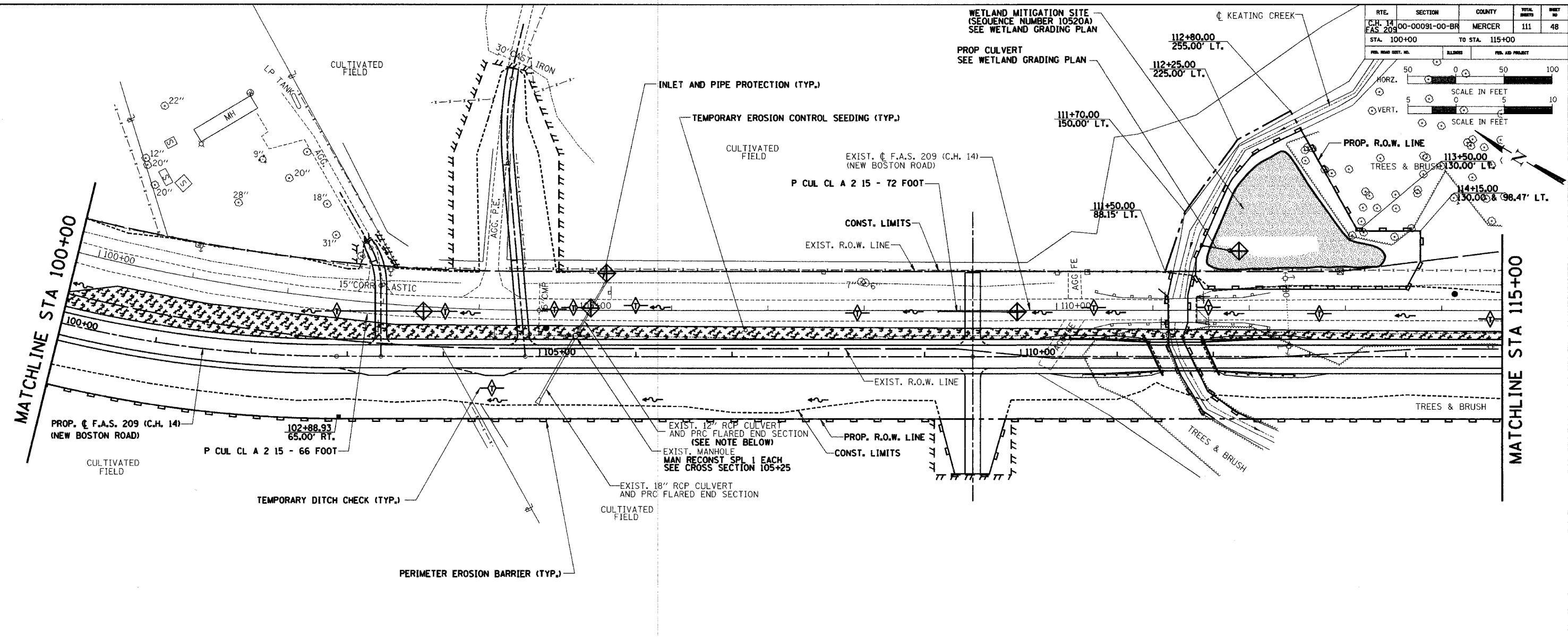
-  INLET AND PIPE PROTECTION
-  TEMPORARY DITCH CHECKS
-  TEMPORARY EROSION CONTROL SEEDING
-  PERIMETER EROSION BARRIER

TEMPORARY EROSION CONTROL PLAN

Date	Designed: SMK	F.A.S. 209 (C.H. 14) OVER KEATING CREEK NEW BOSTON ROAD SECTION 00-00091-00-BR MERCER COUNTY
Revisions	Drawn: BKN	
	Checked: SMK	
	Approved: SMK	
Prepared by:	URS 345 East Ash Avenue Decatur, IL 62526	URS Job No. 21-00001253.01

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
C.H. 14	00-00091-00-BR	MERCER	111	48
F.A.S. 209				
STA. 100+00		TO STA. 115+00		
FED. ROAD DIST. NO.		BLDG. NO.	FED. AID PROJECT	

HORZ.	50	0	50	100
SCALE IN FEET				
VERT.	5	0	5	10
SCALE IN FEET				



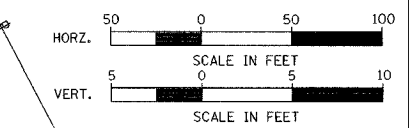
TEMPORARY EROSION CONTROL LEGEND:	
	INLET AND PIPE PROTECTION
	TEMPORARY DITCH CHECKS
	TEMPORARY EROSION CONTROL SEEDING
	PERIMETER EROSION BARRIER

PLAN	DATE
BY	
REVISIONS	
NO.	

PROFILE	DATE
BY	
REVISIONS	
NO.	

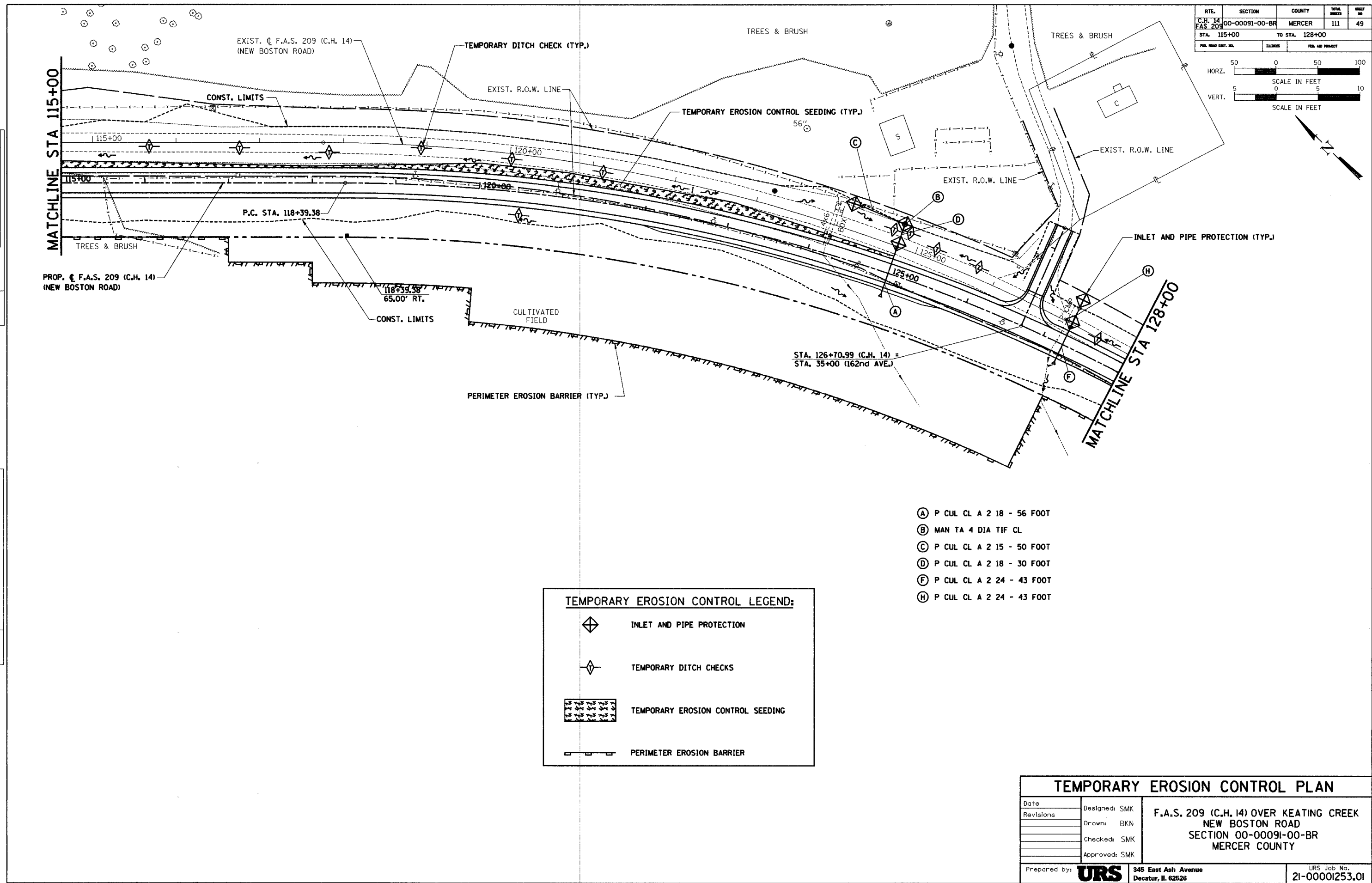
TEMPORARY EROSION CONTROL PLAN		
Date	Designed: SMK	F.A.S. 209 (C.H. 14) OVER KEATING CREEK NEW BOSTON ROAD SECTION 00-00091-00-BR MERCER COUNTY
Revisions	Drawn: BKN	
	Checked: SMK	
	Approved: SMK	
Prepared by:	URS 345 East Ash Avenue Decatur, IL 62526	URS Job No. 21-00001253.01

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
C.H. 14 F.A.S. 209	00-00091-00-BR	MERCER	111	49
STA. 115+00		TO STA. 128+00		
FED. ROAD DIST. NO.	BLANKS	FED. AID PROJECT		



PLAN	DATE
BY	
REVISIONS	
1. PLOTTED	
2. CHECKED	
3. RT. OF WAY CHECKED	
4. CADD FILE NAME	

PROFILE	DATE
BY	
REVISIONS	
1. PLOTTED	
2. CHECKED	
3. B.M. NOTED	
4. STRUCTURE NOTATIONS OK'D	



- (A) P CUL CL A 2 18 - 56 FOOT
- (B) MAN TA 4 DIA TIF CL
- (C) P CUL CL A 2 15 - 50 FOOT
- (D) P CUL CL A 2 18 - 30 FOOT
- (F) P CUL CL A 2 24 - 43 FOOT
- (H) P CUL CL A 2 24 - 43 FOOT

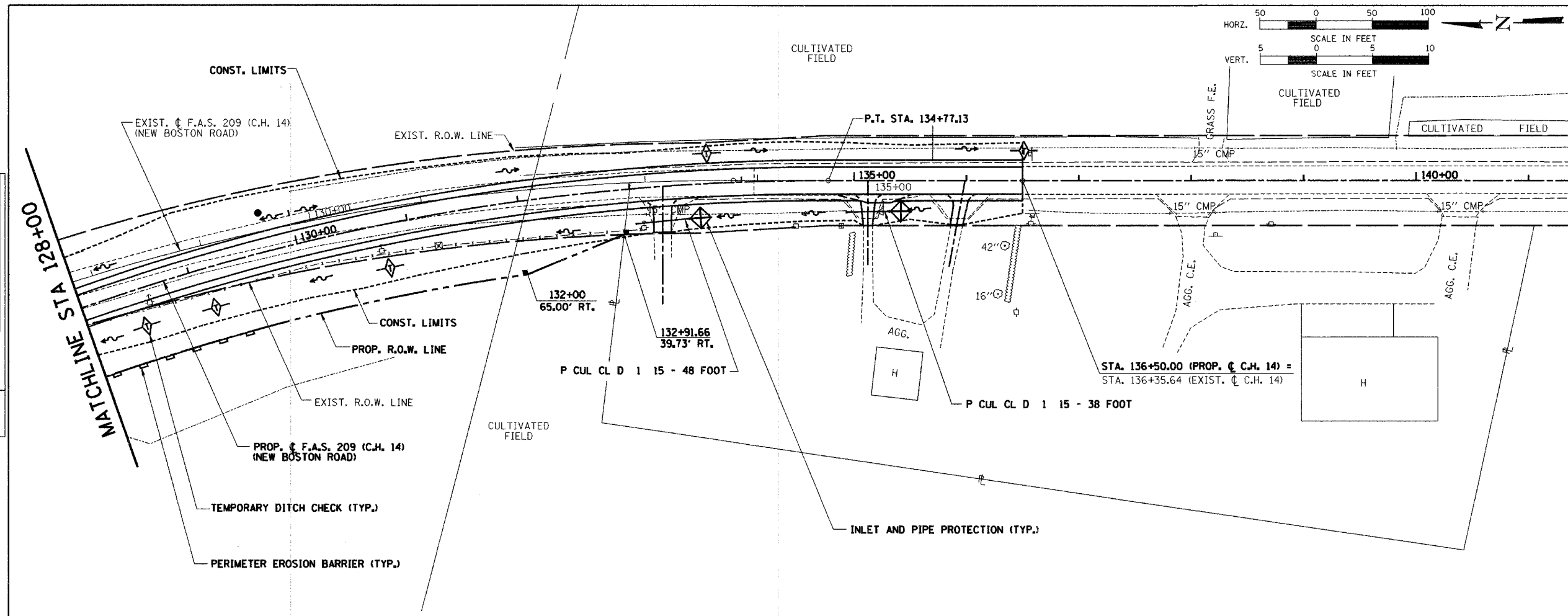
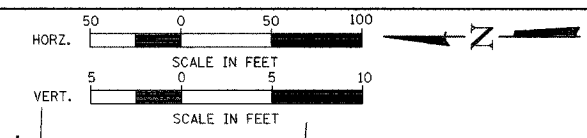
TEMPORARY EROSION CONTROL LEGEND:

- INLET AND PIPE PROTECTION
- TEMPORARY DITCH CHECKS
- TEMPORARY EROSION CONTROL SEEDING
- PERIMETER EROSION BARRIER

TEMPORARY EROSION CONTROL PLAN

Date	Designed: SMK	F.A.S. 209 (C.H. 14) OVER KEATING CREEK NEW BOSTON ROAD SECTION 00-00091-00-BR MERCER COUNTY
Revisions	Drawn: BKN	
	Checked: SMK	
	Approved: SMK	
Prepared by:	URS 345 East Ash Avenue Decatur, IL 62526	URS Job No. 21-00001253.01



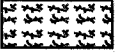

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
C.H. 14	00-00091-00-BR	MERCER	111	50
F.A.S. 209				
STA. 128+00	TO STA. 140+00			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



PLAN	SURVEYED	DATE
	PLOTTED	
	NOTED	
	RT. OF WAY CHECKED	
	NO. FILE NAME	

PROFILE	SURVEYED	DATE
	GRADES CHECKED	
	STRUCTURE NOTATIONS OK'D	

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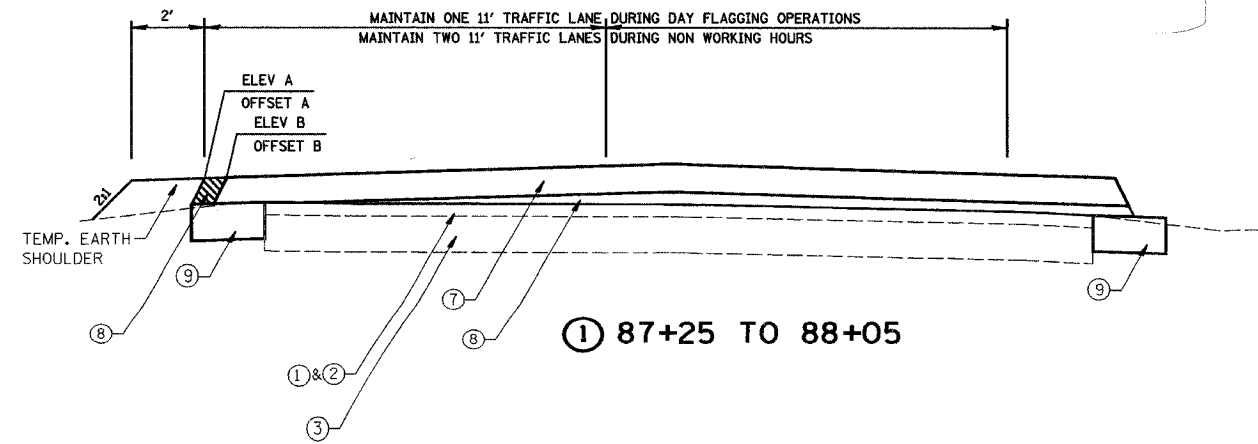
-  INLET AND PIPE PROTECTION
-  TEMPORARY DITCH CHECKS
-  TEMPORARY EROSION CONTROL SEEDING
-  PERIMETER EROSION BARRIER

TEMPORARY EROSION CONTROL PLAN

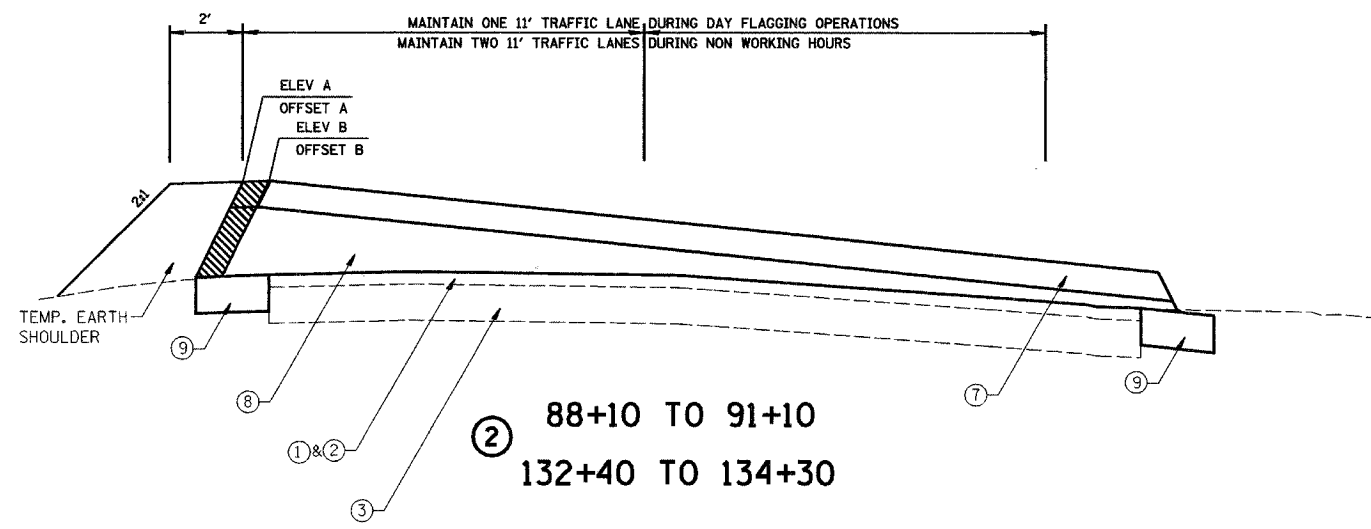
Date	Designed: SMK	F.A.S. 209 (C.H. 14) OVER KEATING CREEK NEW BOSTON ROAD SECTION 00-00091-00-BR MERCER COUNTY
Revisions	Drawn: BKN	
	Checked: SMK	
	Approved: SMK	
Prepared by:	URS 345 East Ash Avenue Decatur, IL 62526	URS Job No. 21-00001253.01

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
C.H. 14 F.A.S. 209	00-00091-00-BR	MERCER	III	51
FED. ROAD DIST. NO.	ILLINOIS PROJECT			

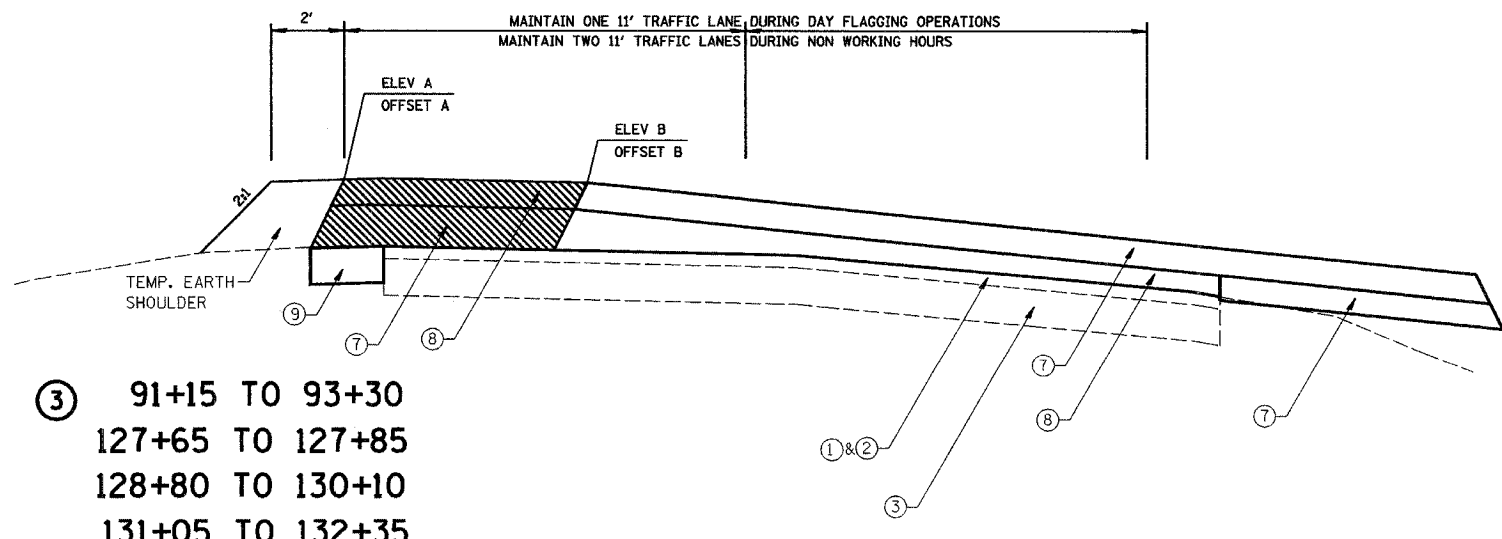
CONTRACT NO. 89312



① 87+25 TO 88+05



② 88+10 TO 91+10
132+40 TO 134+30



③ 91+15 TO 93+30
127+65 TO 127+85
128+80 TO 130+10
131+05 TO 132+35

- ① EXISTING BITUMINOUS OVERLAY (VARIES 0" TO 6")
- ② EXISTING A3 SURFACE 2"
- ③ EXISTING AGGREGATE BASE 16"
- ④ EXISTING AGGREGATE SURFACE 8"
- ⑤ EXISTING PAVEMENT REMOVAL
- ⑥ HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 (2")
- ⑦ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 (4 1/2")
- ⑧ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 (VARIABLE DEPTH)
- ⑨ HOT-MIX ASPHALT BASE COURSE WIDENING, 6"
- ⑩ HOT-MIX ASPHALT BASE COURSE, 4"
- ⑪ HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 6 1/2"
- ⑫ SUB-BASE GRANULAR MATERIAL, TYPE B (9 1/2")
- ⑬ AGGREGATE SHOULDERS, TYPE A (6")
- ⑭ TOP SOIL (4")
- ⑮ SEEDING, CLASS 7
- ⑯ SEEDING, CLASS 2A
- ⑰ 4" SOLID WHITE EDGE LINE
- ⑱ 4" SOLID YELLOW DOUBLE CENTERLINE
- ⑲ AGGREGATE SURFACE COURSE, TYPE A (8")

STAGE PAVING TYPICAL SECTIONS AND ELEVATION / OFFSET INFORMATION IS PROVIDED TO AID THE CONTRACTOR IN PLACING THE BUILD UP OF HOT MIX ASPHALT BINDER COURSE LAYERS WHILE MAINTAINING TRAFFIC.

THE FINAL 4 1/2" LAYER SHOULD BE PLACED AFTER THE VARIABLE DEPTH HAS BEEN PLACED.

WORK THESE TYPICAL SECTIONS WITH THE FOLLOWING TABLES SHOWN ON THE PAVING DETAILS SHEETS.

HOT MIX ASPHALT BINDER COURSE IL-19.0 N50 PLACED AS TEMPORARY PAVEMENT DURING THE STAGE PAVING OPERATIONS FOR MAINTENANCE OF TRAFFIC TO BE REMOVED AT A LATER STAGE PRIOR TO SURFACE COURSE PLACEMENT.

STAGE PAVING TYPICAL SECTIONS			
Date	Designed: SMK	F.A.S. 209 (C.H. 14) OVER KEATING CREEK NEW BOSTON ROAD SECTION 00-00091-00-BR MERCER COUNTY	
Revisions	Drawn: MEC		
	Checked: SMK		
	Approved: SMK		
Prepared by:	URS	345 East Ash Avenue Decatur, IL 62526	URS Job No. 21-00001253.01


ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
C.H. 14 F.A.S. 209	00-00091-00-BR	MERCER	III	52
FED. ROAD DIST. NO.	ILLINOIS PROJECT			

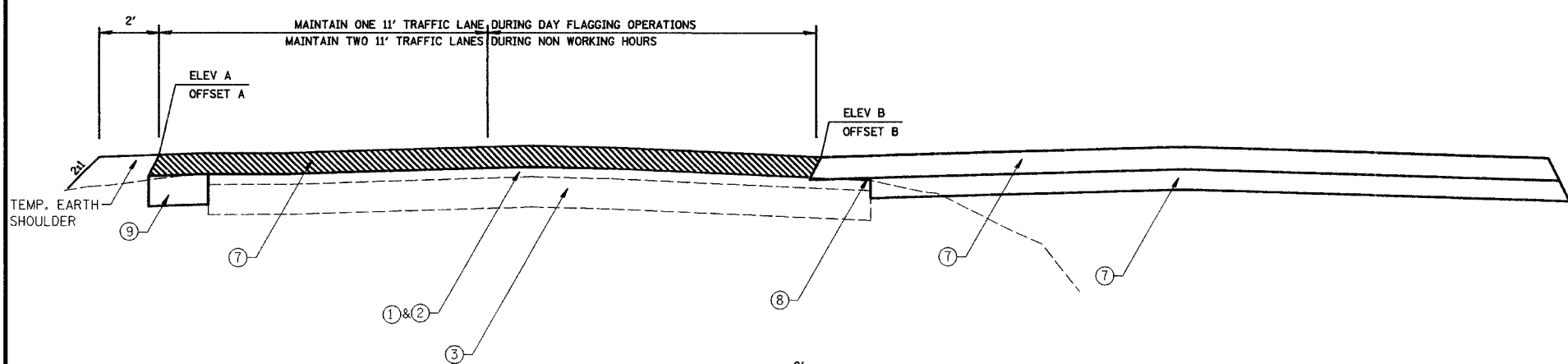
CONTRACT NO. 89312

STAGE PAVING TYPICAL SECTIONS AND ELEVATION / OFFSET INFORMATION IS PROVIDED TO AID THE CONTRACTOR IN PLACING THE BUILD UP OF HOT MIX ASPHALT BINDER COURSE LAYERS WHILE MAINTAINING TRAFFIC.

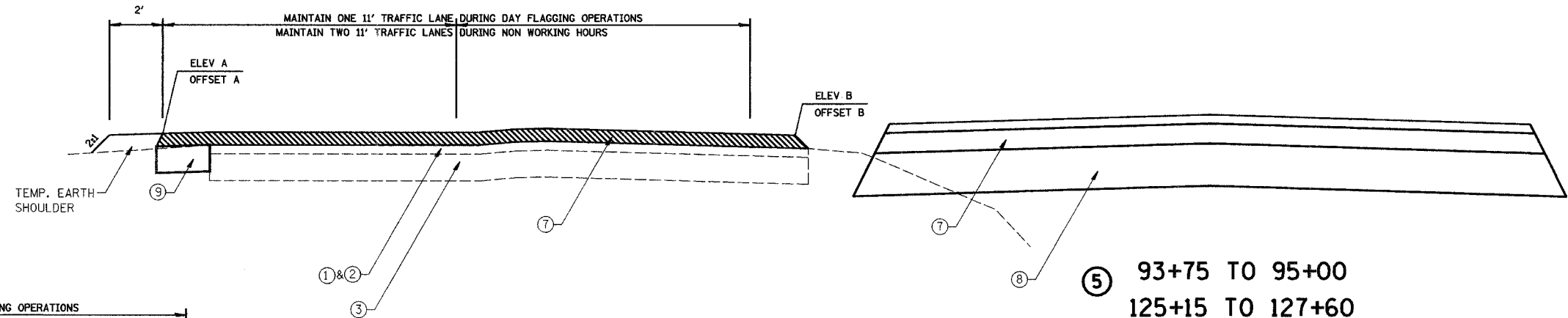
THE FINAL 4 1/2" LAYER SHOULD BE PLACED AFTER THE VARIABLE DEPTH HAS BEEN PLACED.

WORK THESE TYPICAL SECTIONS WITH THE FOLLOWING TABLES SHOWN ON THE PAVING DETAILS SHEETS.

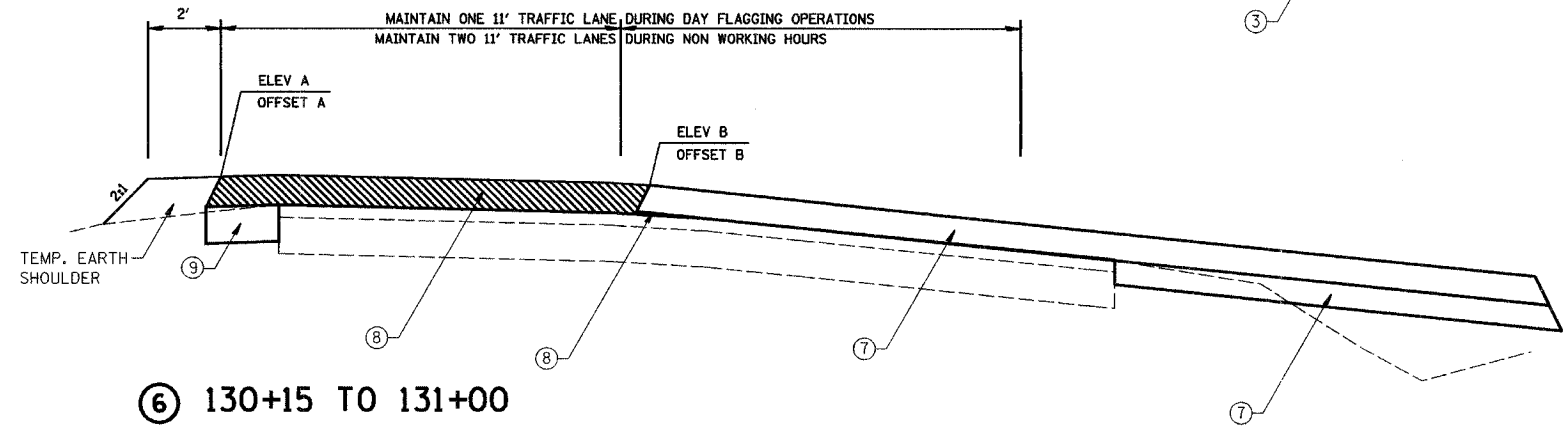
 HOT MIX ASPHALT BINDER COURSE IL-19.0 N50 PLACED AS TEMPORARY PAVEMENT DURING THE STAGE PAVING OPERATIONS FOR MAINTENANCE OF TRAFFIC TO BE REMOVED AT A LATER STAGE PRIOR TO SURFACE COURSE PLACEMENT.



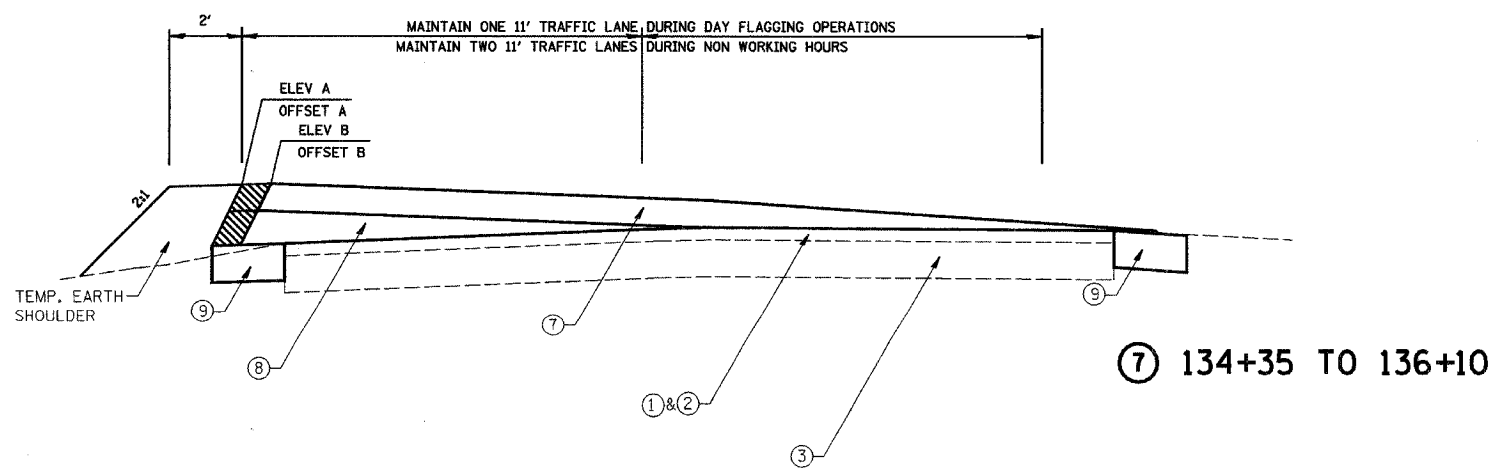
④ 93+35 TO 93+70
127+90 TO 128+75



⑤ 93+75 TO 95+00
125+15 TO 127+60



⑥ 130+15 TO 131+00



⑦ 134+35 TO 136+10

- ① EXISTING BITUMINOUS OVERLAY (VARIES 0" TO 6")
- ② EXISTING A3 SURFACE 2"
- ③ EXISTING AGGREGATE BASE 16"
- ④ EXISTING AGGREGATE SURFACE 8"
- ⑤ EXISTING PAVEMENT REMOVAL
- ⑥ HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 (2")
- ⑦ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 (4 1/2")
- ⑧ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 (VARIABLE DEPTH)
- ⑨ HOT-MIX ASPHALT BASE COURSE WIDENING, 6"
- ⑩ HOT-MIX ASPHALT BASE COURSE, 4"
- ⑪ HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 6 1/2"
- ⑫ SUB-BASE GRANULAR MATERIAL, TYPE B (9 1/2")
- ⑬ AGGREGATE SHOULDERS, TYPE A (6")
- ⑭ TOP SOIL (4")
- ⑮ SEEDING, CLASS 7
- ⑯ SEEDING, CLASS 2A
- ⑰ 4" SOLID WHITE EDGE LINE
- ⑱ 4" SOLID YELLOW DOUBLE CENTERLINE
- ⑲ AGGREGATE SURFACE COURSE, TYPE A (8")

STAGE PAVING TYPICAL SECTIONS		
Date	Designed: SMK	F.A.S. 209 (C.H. 14) OVER KEATING CREEK NEW BOSTON ROAD SECTION 00-00091-00-BR MERCER COUNTY
Revisions	Drawn: MEC	
	Checked: SMK	
	Approved: SMK	
Prepared by:	URS 345 East Ash Avenue Decatur, IL 62526	URS Job No. 21-00001253.01

CONTRACT NO. 89312

STATION	OFFSET B LEFT OF CENTERLINE	ELEVATION B	OFFSET A LEFT OF CENTERLINE	ELEVATION A
87+25.00	12.17	561.38	12.80	561.37
87+30.00	12.17	561.38	12.76	561.37
87+35.00	12.17	561.38	12.71	561.37
87+40.00	12.17	561.38	12.67	561.37
87+45.00	12.17	561.38	12.62	561.38
87+50.00	12.17	561.39	12.57	561.38
87+55.00	12.17	561.39	12.52	561.39
87+60.00	12.17	561.39	12.49	561.39
87+65.00	12.17	561.40	12.53	561.39
87+70.00	12.17	561.40	12.57	561.40
87+75.00	12.17	561.41	12.60	561.40
87+80.00	12.17	561.41	12.64	561.40
87+85.00	12.17	561.42	12.67	561.41
87+90.00	12.17	561.42	12.71	561.41
87+95.00	12.17	561.43	12.74	561.42
88+00.00	12.17	561.43	12.78	561.42
88+05.00	12.17	561.44	12.81	561.43
88+10.00	12.17	561.45	12.85	561.43
88+15.00	12.17	561.45	12.83	561.44
88+20.00	12.17	561.46	12.81	561.45
88+25.00	12.17	561.47	12.79	561.46
88+30.00	12.17	561.47	12.77	561.46
88+35.00	12.17	561.48	12.75	561.47
88+40.00	12.17	561.49	12.72	561.48
88+45.00	12.17	561.50	12.70	561.49
88+50.00	12.17	561.52	12.67	561.51
88+55.00	12.17	561.55	12.63	561.54
88+60.00	12.17	561.57	12.59	561.57
88+65.00	12.17	561.60	12.54	561.60
88+70.00	12.17	561.63	12.50	561.62
88+75.00	12.17	561.66	12.46	561.65
88+80.00	12.17	561.69	12.41	561.68
88+85.00	12.17	561.72	12.37	561.71
88+90.00	12.17	561.75	12.33	561.74
88+95.00	12.17	561.78	12.29	561.77
89+00.00	12.17	561.80	12.24	561.80
89+05.00	12.17	561.83	12.20	561.83
89+10.00	12.17	561.86	12.17	561.86
89+15.00	12.17	561.89	12.17	561.89
89+20.00	12.17	561.92	12.17	561.92
89+25.00	12.17	561.95	12.17	561.95
89+30.00	12.17	561.98	12.17	561.98
89+35.00	12.17	562.01	12.17	562.01
89+40.00	12.17	562.04	12.17	562.04
89+45.00	12.17	562.07	12.17	562.07
89+50.00	12.17	562.10	12.17	562.10
89+55.00	12.17	562.13	12.18	562.13
89+60.00	12.17	562.16	12.20	562.16
89+65.00	12.17	562.20	12.23	562.20
89+70.00	12.17	562.23	12.26	562.23
89+75.00	12.17	562.27	12.30	562.27
89+80.00	12.17	562.31	12.35	562.31
89+85.00	12.17	562.35	12.40	562.35
89+90.00	12.17	562.40	12.45	562.39
89+95.00	12.17	562.44	12.51	562.44

STATION	OFFSET B LEFT OF CENTERLINE	ELEVATION B	OFFSET A LEFT OF CENTERLINE	ELEVATION A
90+00.00	12.17	562.48	12.59	562.47
90+05.00	12.17	562.51	12.68	562.50
90+10.00	12.17	562.54	12.78	562.53
90+15.00	12.17	562.57	12.88	562.56
90+20.00	12.17	562.61	13.00	562.59
90+25.00	12.17	562.64	13.14	562.63
90+30.00	12.17	562.68	13.28	562.67
90+35.00	12.17	562.72	13.43	562.70
90+40.00	12.17	562.76	13.58	562.75
90+45.00	12.17	562.81	13.74	562.79
90+50.00	12.17	562.85	13.90	562.83
90+55.00	12.17	562.90	14.07	562.88
90+60.00	12.17	562.95	14.25	562.93
90+65.00	12.17	563.00	14.43	562.98
90+70.00	12.17	563.05	14.61	563.03
90+75.00	12.17	563.10	14.80	563.08
90+80.00	12.17	563.16	15.00	563.14
90+85.00	12.17	563.22	15.20	563.19
90+90.00	12.17	563.28	15.41	563.25
90+95.00	12.17	563.34	15.62	563.31
91+00.00	12.17	563.40	15.84	563.37
91+05.00	12.17	563.46	16.07	563.44
91+10.00	12.17	563.52	16.30	563.50
91+15.00	12.17	563.59	16.54	563.56
91+20.00	12.17	563.65	16.78	563.63
91+25.00	12.17	563.72	17.03	563.70
91+30.00	12.17	563.79	17.32	563.77
91+35.00	12.17	563.86	17.60	563.84
91+40.00	12.17	563.93	17.89	563.93
91+45.00	12.17	564.01	18.18	564.01
91+50.00	12.17	564.08	18.47	564.09
91+55.00	12.17	564.16	18.77	564.18
91+60.00	12.17	564.24	19.08	564.27
91+65.00	12.17	564.32	19.40	564.36
91+70.00	12.17	564.40	19.72	564.45
91+75.00	12.17	564.48	20.04	564.54
91+80.00	12.17	564.57	20.37	564.64
91+85.00	12.17	564.65	20.71	564.73
91+90.00	12.17	564.74	21.05	564.83
91+95.00	12.17	564.83	21.40	564.93
92+00.00	12.17	564.92	21.75	565.03
92+05.00	12.17	565.00	22.12	565.12
92+10.00	12.17	565.07	22.51	565.21
92+15.00	12.17	565.15	22.90	565.29
92+20.00	12.17	565.23	23.29	565.38
92+25.00	12.17	565.30	23.70	565.47
92+30.00	12.17	565.38	24.10	565.56
92+35.00	12.17	565.47	24.49	565.64
92+40.00	12.17	565.55	24.88	565.71
92+45.00	12.17	565.63	25.28	565.79
92+50.00	12.17	565.72	25.68	565.86
92+55.00	12.17	565.80	26.09	565.94
92+60.00	12.17	565.89	26.50	566.02
92+65.00	12.17	565.97	26.91	566.09
92+70.00	12.17	566.05	27.32	566.16

STATION	OFFSET B LEFT OF CENTERLINE	ELEVATION B	OFFSET A LEFT OF CENTERLINE	ELEVATION A
92+75.00	12.17	566.12	27.74	566.23
92+80.00	12.17	566.20	28.16	566.29
92+85.00	12.17	566.27	28.58	566.36
92+90.00	12.17	566.34	29.00	566.42
92+95.00	12.17	566.41	29.42	566.48
93+00.00	12.17	566.47	29.85	566.54
93+05.00	12.17	566.54	30.28	566.59
93+10.00	12.17	566.60	30.71	566.64
93+15.00	12.17	566.66	31.14	566.69
93+20.00	12.17	566.71	31.58	566.74
93+25.00	12.17	566.77	32.02	566.79
93+30.00	12.17	566.82	32.46	566.83
93+35.00	12.17	566.87	32.90	566.87
93+40.00	12.17	566.92	33.37	566.92
93+45.00	12.17	566.97	33.85	566.98
93+50.00	12.17	567.01	34.33	567.04
93+55.00	12.17	566.53	35.35	566.60
93+60.00	12.17	566.61	35.76	566.68
93+65.00	12.17	566.68	36.22	566.76
93+70.00	12.17	566.76	36.68	566.84
93+75.00	13.30	567.31	36.69	567.39
93+80.00	13.71	567.37	37.13	567.49
93+85.00	14.12	567.44	37.59	567.56
93+90.00	12.17	567.50	38.11	567.59
93+95.00	15.00	567.47	38.67	567.54
94+00.00	15.53	567.47	39.22	567.49
94+05.00	16.07	567.46	39.78	567.45
94+10.00	16.61	567.46	40.34	567.40
94+15.00	17.15	567.45	40.89	567.36
94+20.00	17.69	567.45	41.45	567.31
94+25.00	18.22	567.45	42.00	567.27
94+30.00	18.76	567.44	42.56	567.22
94+35.00	19.30	567.44	43.12	567.18
94+40.00	19.84	567.43	43.67	567.13
94+45.00	20.37	567.43	44.23	567.09
94+50.00	20.91	567.42	44.79	567.04
94+55.00	21.45	567.42	45.34	567.00
94+60.00	22.00	567.42	45.89	566.95
94+65.00	22.56	567.41	46.44	566.90
94+70.00	23.12	567.41	46.98	566.86
94+75.00	23.68	567.40	47.53	566.81
94+80.00	24.24	567.40	48.07	566.77
94+85.00	24.79	567.39	48.76	566.68
94+90.00	25.30	567.30	49.58	566.56
94+95.00	26.38	567.18	50.40	566.44
95+00.00	27.20	567.07	51.22	566.32
95+05.00				
95+10.00				
95+15.00				

STATION	OFFSET B LEFT OF CENTERLINE	ELEVATION B	OFFSET A LEFT OF CENTERLINE	ELEVATION A
125+15.00	23.82	585.58	47.18	586.55
125+20.00	23.54	585.62	46.94	586.59
125+25.00	23.28	585.65	46.69	586.62
125+30.00	23.03	585.69	46.46	586.66
125+35.00	22.79	585.72	46.24	586.70
125+40.00	22.56	585.76	46.04	586.73
125+45.00	22.35	585.80	45.85	586.77
125+50.00	22.15	585.83	45.66	586.81
125+55.00	21.96	585.87	45.50	586.84
125+60.00	21.78	585.90	45.34	586.88
125+65.00	21.62	585.94	45.20	586.91
125+70.00	21.47	585.97	45.07	586.95
125+75.00	21.34	586.01	44.96	586.99
125+80.00	21.23	586.05	44.84	587.02
125+85.00	21.15	586.09	44.74	587.06
125+90.00	21.07	586.12	44.66	587.10
125+95.00	20.92	586.16	44.50	587.13
126+00.00	20.62	586.19	44.13	587.17
126+05.00	20.33	586.23	43.76	587.21
126+10.00	20.06	586.26	43.42	587.25
126+15.00	19.79	586.29	43.08	587.29
126+20.00	19.54	586.33	42.76	587.33
126+25.00	19.30	586.36	42.45	587.37
126+30.00	19.07	586.40	42.15	587.41
126+35.00	18.86	586.43	41.86	587.44
126+40.00	18.66	586.46	41.60	587.48
126+45.00	18.47	586.50	41.34	587.52
126+50.00	18.30	586.53	41.09	587.56
126+55.00	18.13	586.56	40.86	587.60
126+60.00	17.98	586.60	40.64	587.64
126+65.00	17.85	586.63	40.43	587.68
126+70.00	17.72	586.67	40.24	587.72
126+75.00	17.61	586.70	40.06	587.76
126+80.00	17.51	586.73	39.89	587.79
126+85.00	17.42	586.76	39.74	587.83
126+90.00	17.35	586.80	39.59	587.87


ROUTE NO. C.H. 14 F.A.S. 209	SECTION 00-00091-00-BR	COUNTY MERCER	TOTAL SHEETS III	SHEET NO. 54
FED. ROAD DIST. NO.		ILLINOIS PROJECT		

CONTRACT NO. 89312

STATION	OFFSET B LEFT OF CENTERLINE	ELEVATION B	OFFSET A LEFT OF CENTERLINE	ELEVATION A
127+90.00	12.17	587.81	35.09	588.75
127+95.00	12.17	587.85	35.00	588.77
128+00.00	12.17	587.88	34.92	588.79
128+05.00	12.17	587.92	34.74	588.81
128+10.00	12.17	587.95	34.40	588.82
128+15.00	12.17	587.99	34.08	588.83
128+20.00	12.17	588.02	33.76	588.85
128+25.00	12.17	588.05	33.46	588.87
128+30.00	12.17	588.09	33.17	588.88
128+35.00	12.17	588.12	32.89	588.90
128+40.00	12.17	588.15	32.63	588.92
128+45.00	12.17	588.19	32.38	588.94
128+50.00	12.17	588.22	32.14	588.95
128+55.00	12.17	588.25	31.91	588.97
128+60.00	12.17	588.28	31.69	588.99
128+65.00	12.17	588.32	31.49	589.01
128+70.00	12.17	588.35	31.30	589.03
128+75.00	12.17	588.38	31.12	589.05
128+80.00	12.17	588.41	30.95	589.08
128+85.00	12.17	588.44	30.80	589.10
128+90.00	12.17	588.47	30.66	589.12
128+95.00	12.17	588.50	30.53	589.14
129+00.00	12.17	588.53	30.41	589.16
129+05.00	12.17	588.56	30.31	589.18
129+10.00	12.17	588.58	30.18	589.20
129+15.00	12.17	588.61	29.91	589.21
129+20.00	12.17	588.63	29.66	589.22
129+25.00	12.17	588.65	29.42	589.23
129+30.00	12.17	588.67	29.19	589.23
129+35.00	12.17	588.69	28.97	589.24
129+40.00	12.17	588.71	28.77	589.25
129+45.00	12.17	588.73	28.58	589.25
129+50.00	12.17	588.74	28.41	589.26
129+55.00	12.17	588.76	28.24	589.26
129+60.00	12.17	588.77	28.10	589.26
129+65.00	12.17	588.78	27.96	589.27
129+70.00	12.17	588.79	27.84	589.27
129+75.00	12.17	588.80	27.73	589.27
129+80.00	12.17	588.81	27.63	589.27
129+85.00	12.17	588.81	27.55	589.27
129+90.00	12.17	588.82	27.48	589.27
129+95.00	12.17	588.82	27.43	589.27
130+00.00	12.17	588.82	27.39	589.26
130+05.00	12.17	588.82	27.36	589.26
130+10.00	12.17	588.82	27.35	589.25
130+15.00	12.17	588.82	27.35	589.25
130+20.00	12.17	588.82	27.17	589.23
130+25.00	12.17	588.82	26.88	589.20
130+30.00	12.17	588.81	26.60	589.18
130+35.00	12.17	588.81	26.33	589.15
130+40.00	12.17	588.81	26.08	589.12
130+45.00	12.17	588.81	25.84	589.10
130+50.00	12.17	588.80	25.61	589.07
130+55.00	12.17	588.80	25.39	589.05
130+60.00	12.17	588.80	25.18	589.03

STATION	OFFSET B LEFT OF CENTERLINE	ELEVATION B	OFFSET A LEFT OF CENTERLINE	ELEVATION A
130+65.00	12.17	588.80	24.99	589.01
130+70.00	12.17	588.79	24.80	588.99
130+75.00	12.17	588.79	24.63	588.98
130+80.00	12.17	588.79	24.47	588.96
130+85.00	12.17	588.79	24.32	588.94
130+90.00	12.17	588.78	24.18	588.93
130+95.00	12.17	588.78	24.06	588.91
131+00.00	12.17	588.78	23.95	588.89
131+05.00	12.17	588.77	23.85	588.88
131+10.00	12.17	588.77	23.77	588.86
131+15.00	12.17	588.76	23.68	588.86
131+20.00	12.17	588.76	23.61	588.85
131+25.00	12.17	588.75	23.56	588.84
131+30.00	12.17	588.74	23.16	588.83
131+35.00	12.17	588.73	22.77	588.82
131+40.00	12.17	588.73	22.39	588.81
131+45.00	12.17	588.72	22.02	588.79
131+50.00	12.17	588.71	21.66	588.78
131+55.00	12.17	588.70	21.32	588.77
131+60.00	12.17	588.69	20.99	588.75
131+65.00	12.17	588.68	20.68	588.74
131+70.00	12.17	588.67	20.37	588.72
131+75.00	12.17	588.66	20.08	588.71
131+80.00	12.17	588.64	19.81	588.69
131+85.00	12.17	588.63	19.54	588.68
131+90.00	12.17	588.62	19.29	588.66
131+95.00	12.17	588.61	19.05	588.65
132+00.00	12.17	588.59	18.83	588.63
132+05.00	12.17	588.58	18.62	588.62
132+10.00	12.17	588.56	18.43	588.60
132+15.00	12.17	588.55	18.27	588.58
132+20.00	12.17	588.53	18.12	588.56
132+25.00	12.17	588.51	17.98	588.54
132+30.00	12.17	588.50	17.85	588.52
132+35.00	12.17	588.48	17.68	588.50
132+40.00	12.17	588.47	17.35	588.48
132+45.00	12.17	588.45	17.03	588.46
132+50.00	12.17	588.43	16.72	588.44
132+55.00	12.17	588.42	16.42	588.42
132+60.00	12.17	588.40	16.14	588.41
132+65.00	12.17	588.39	15.86	588.39
132+70.00	12.17	588.37	15.61	588.37
132+75.00	12.17	588.35	15.36	588.35
132+80.00	12.17	588.34	15.13	588.34
132+85.00	12.17	588.32	14.91	588.32
132+90.00	12.17	588.31	14.70	588.30
132+95.00	12.17	588.29	14.50	588.28
133+00.00	12.17	588.27	14.32	588.27
133+05.00	12.17	588.26	14.15	588.25
133+10.00	12.17	588.24	13.99	588.23
133+15.00	12.17	588.23	13.84	588.22
133+20.00	12.17	588.21	13.70	588.20
133+25.00	12.17	588.19	13.58	588.17
133+30.00	12.17	588.18	13.46	588.16
133+35.00	12.17	588.16	13.35	588.14

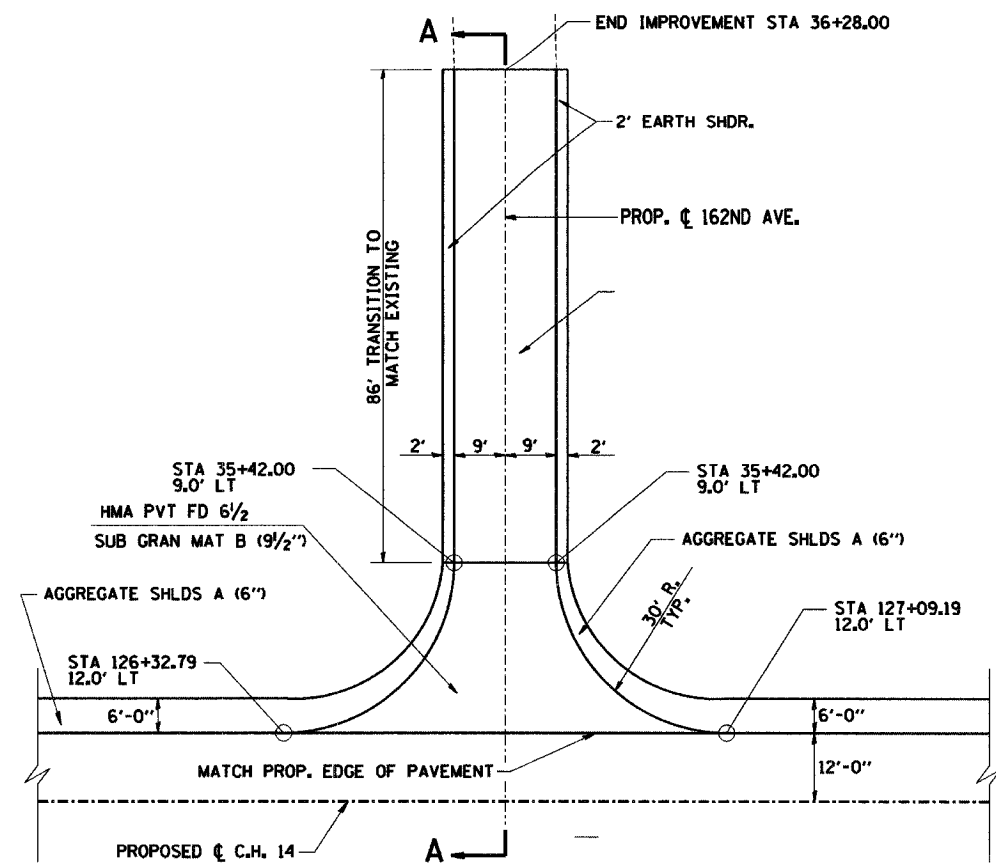
STATION	OFFSET B LEFT OF CENTERLINE	ELEVATION B	OFFSET A LEFT OF CENTERLINE	ELEVATION A
133+40.00	12.17	588.15	13.25	588.13
133+45.00	12.17	588.13	13.10	588.12
133+50.00	12.17	588.11	12.91	588.10
133+55.00	12.17	588.10	12.74	588.09
133+60.00	12.17	588.08	12.58	588.07
133+65.00	12.17	588.06	12.44	588.06
133+70.00	12.17	588.05	12.30	588.05
133+75.00	12.17	588.03	12.17	588.03
133+80.00	12.17	588.01	12.17	588.01
133+85.00	12.17	587.99	12.17	587.99
133+90.00	12.17	587.98	12.17	587.98
133+95.00	12.17	587.96	12.17	587.96
134+00.00	12.17	587.94	12.17	587.94
134+05.00	12.17	587.92	12.17	587.92
134+10.00	12.17	587.90	12.17	587.90
134+15.00	12.17	587.89	12.17	587.89
134+20.00	12.17	587.87	12.17	587.87
134+25.00	12.17	587.85	12.17	587.85
134+30.00	12.17	587.81	12.17	587.81
134+35.00	12.17	587.77	12.17	587.77
134+40.00	12.17	587.72	12.17	587.72
134+45.00	12.17	587.68	12.21	587.68
134+50.00	12.17	587.63	12.29	587.63
134+55.00	12.17	587.58	12.31	587.58
134+60.00	12.17	587.54	12.34	587.54
134+65.00	12.17	587.49	12.39	587.49
134+70.00	12.17	587.44	12.45	587.44
134+75.00	12.17	587.40	12.53	587.39
134+80.00	12.17	587.35	12.61	587.34
134+85.00	12.17	587.30	12.70	587.30
134+90.00	12.17	587.26	12.79	587.25
134+95.00	12.17	587.21	12.87	587.20
135+00.00	12.17	587.16	12.96	587.15
135+05.00	12.17	587.11	13.05	587.09
135+10.00	12.17	587.06	13.14	587.04
135+15.00	12.17	587.00	13.23	586.98
135+20.00	12.17	586.95	13.30	586.93
135+25.00	12.17	586.89	13.37	586.87
135+30.00	12.17	586.83	13.44	586.81
135+35.00	12.17	586.78	13.51	586.75
135+40.00	12.17	586.72	13.59	586.69
135+45.00	12.17	586.66	13.66	586.63
135+50.00	12.17	586.59	13.74	586.57
135+55.00	12.17	586.53	13.76	586.51
135+60.00	12.17	586.47	13.78	586.44
135+65.00	12.17	586.40	13.80	586.38
135+70.00	12.17	586.33	13.82	586.31
135+75.00	12.17	586.27	13.83	586.24
135+80.00	12.17	586.21	13.84	586.19
135+85.00	12.17	586.17	13.83	586.14
135+90.00	12.17	586.12	13.83	586.10
135+95.00	12.17	586.08	13.83	586.05
136+00.00	12.17	586.03	13.83	586.00
136+05.00	12.17	585.98	13.83	585.96

PAVING DETAILS		
Date	Designed: SMK	F.A.S. 209 (C.H. 14) OVER KEATING CREEK NEW BOSTON ROAD SECTION 00-00091-00-BR MERCER COUNTY
Revisions	Drawn: MLS	
	Checked: SMK	
	Approved: SMK	
Prepared by:	 URS 345 East Ash Avenue Decatur, IL 62526	URS Job No. 21-00001253.01

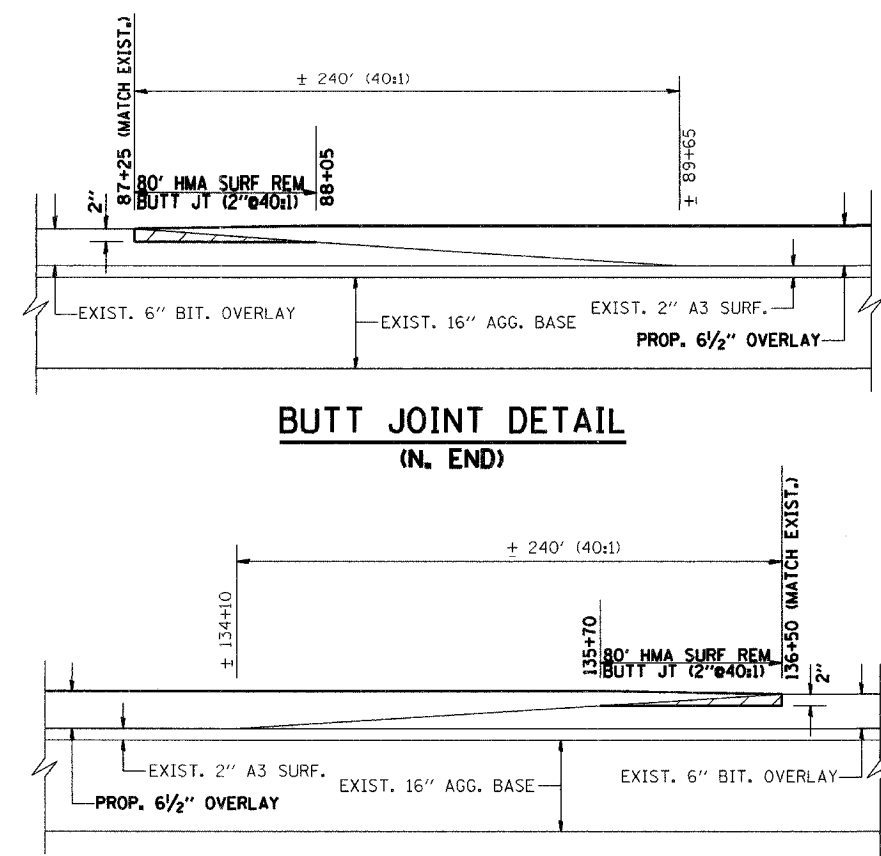
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ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
C.H. 14 F.A.S. 209	00-00091-00-BR	MERCER	111	55
FED. ROAD DIST. NO.	ILLINOIS PROJECT			

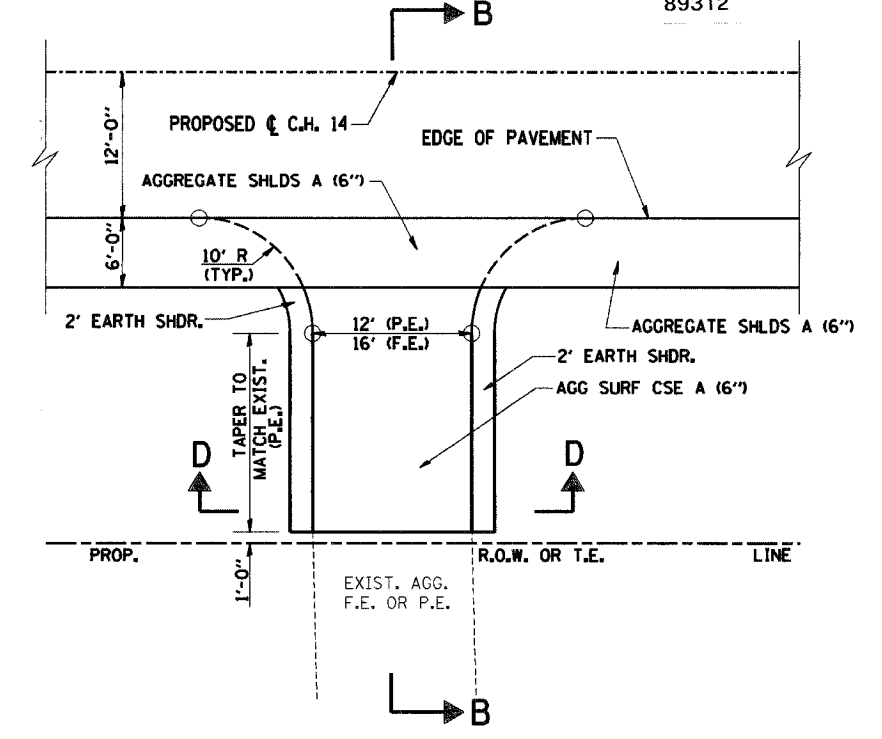
CONTRACT NO. 89312



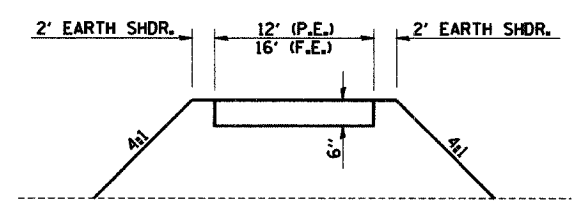
**SIDEROAD DETAIL
(162ND AVE.)**



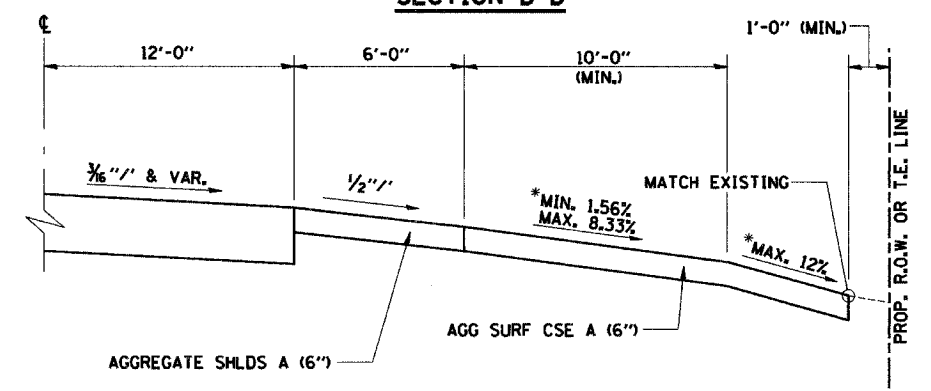
**BUTT JOINT DETAIL
(S. END)**



ENTRANCE (F.E. & P.E.) DETAIL

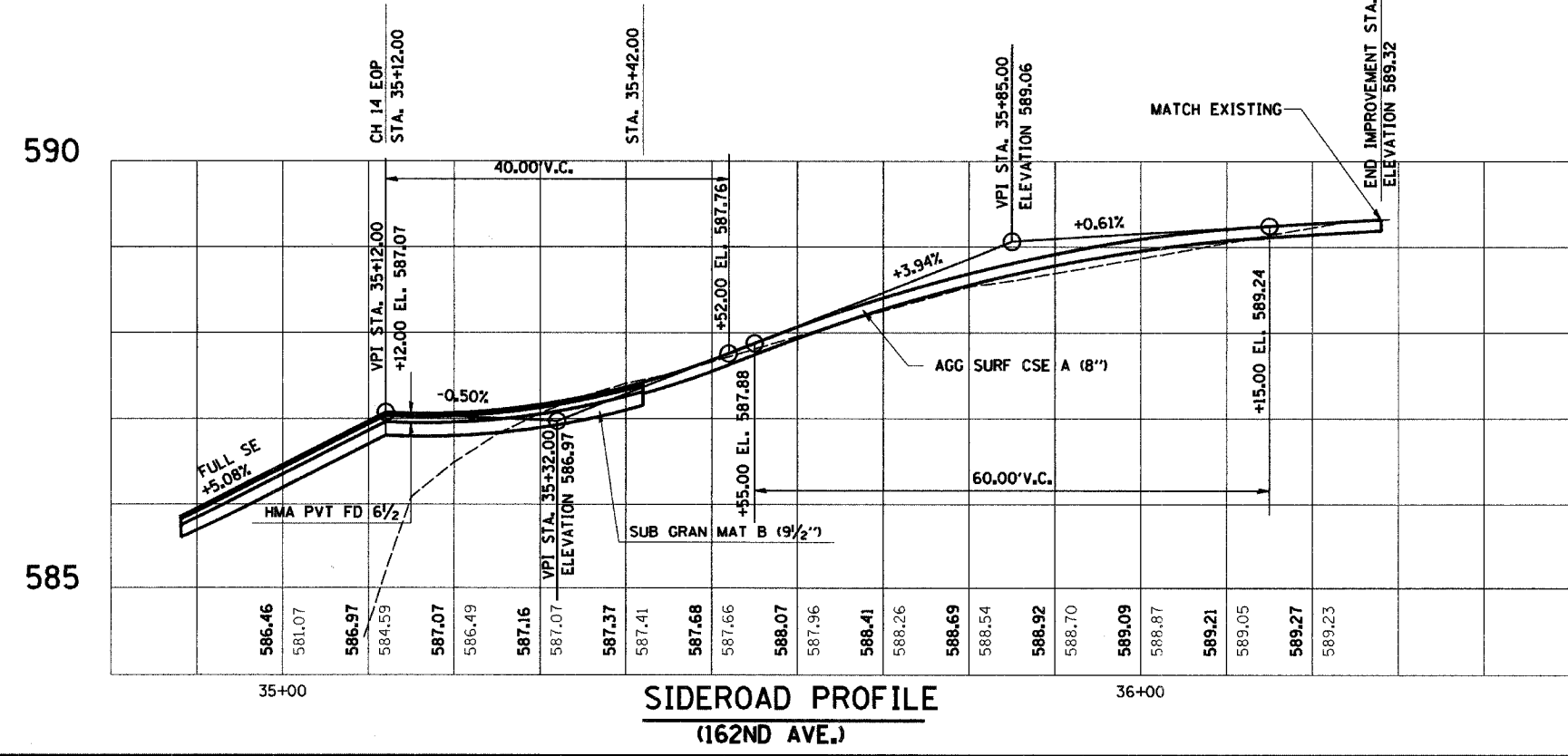


SECTION D-D



SECTION B-B

*SEE CROSS SECTIONS

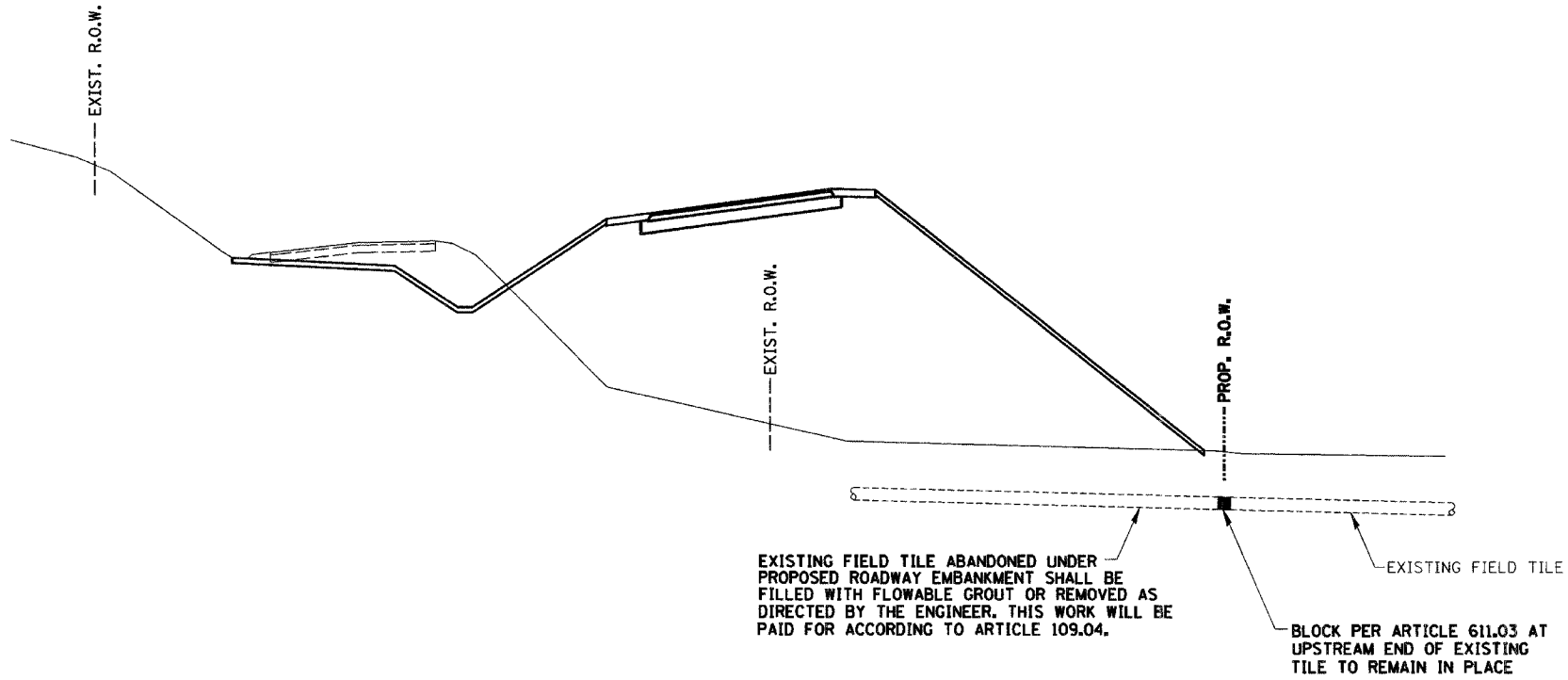


**SIDEROAD PROFILE
(162ND AVE.)**

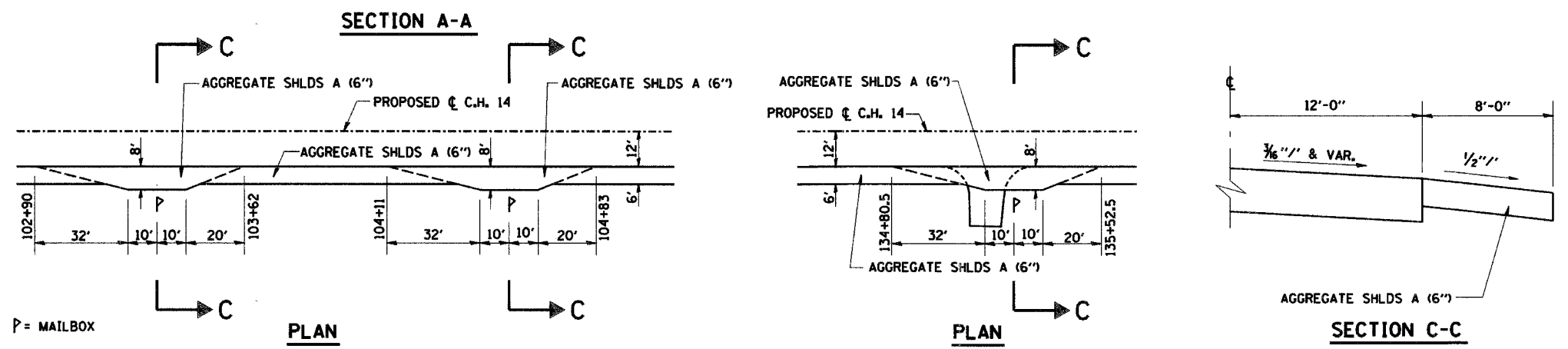
DETAILS		
Date	Designed: SMK	F.A.S. 209 (C.H. 14) OVER KEATING CREEK NEW BOSTON ROAD SECTION 00-00091-00-BR MERCER COUNTY
Revisions	Drawn: MEC	
	Checked: SMK	
	Approved: SMK	
Prepared by:	URS	
345 East Ash Avenue Decatur, IL 62526		URS Job No. 21-00001253.01

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
C.H. 14 F.A.S. 209	00-00091-00-BR	MERCER	111	56
FED. ROAD DIST. NO.		ILLINOIS PROJECT		

CONTRACT NO. 89312



FIELD TILE DETAIL



MAILBOX TURNOUT DETAILS

DETAILS

Date	Designed: SMK	F.A.S. 209 (C.H. 14) OVER KEATING CREEK NEW BOSTON ROAD SECTION 00-00091-00-BR MERCER COUNTY
Revisions	Drawn: MEC	
	Checked: SMK	
	Approved: SMK	

ROUTE NO. C.H. 14 F.A.S. 209	SECTION 00-00091-00-BR	COUNTY MERCER	TOTAL SHEETS III	SHEET NO. 57
FED. ROAD DIST. NO.		ILLINOIS PROJECT		

CONTRACT NO. 89312

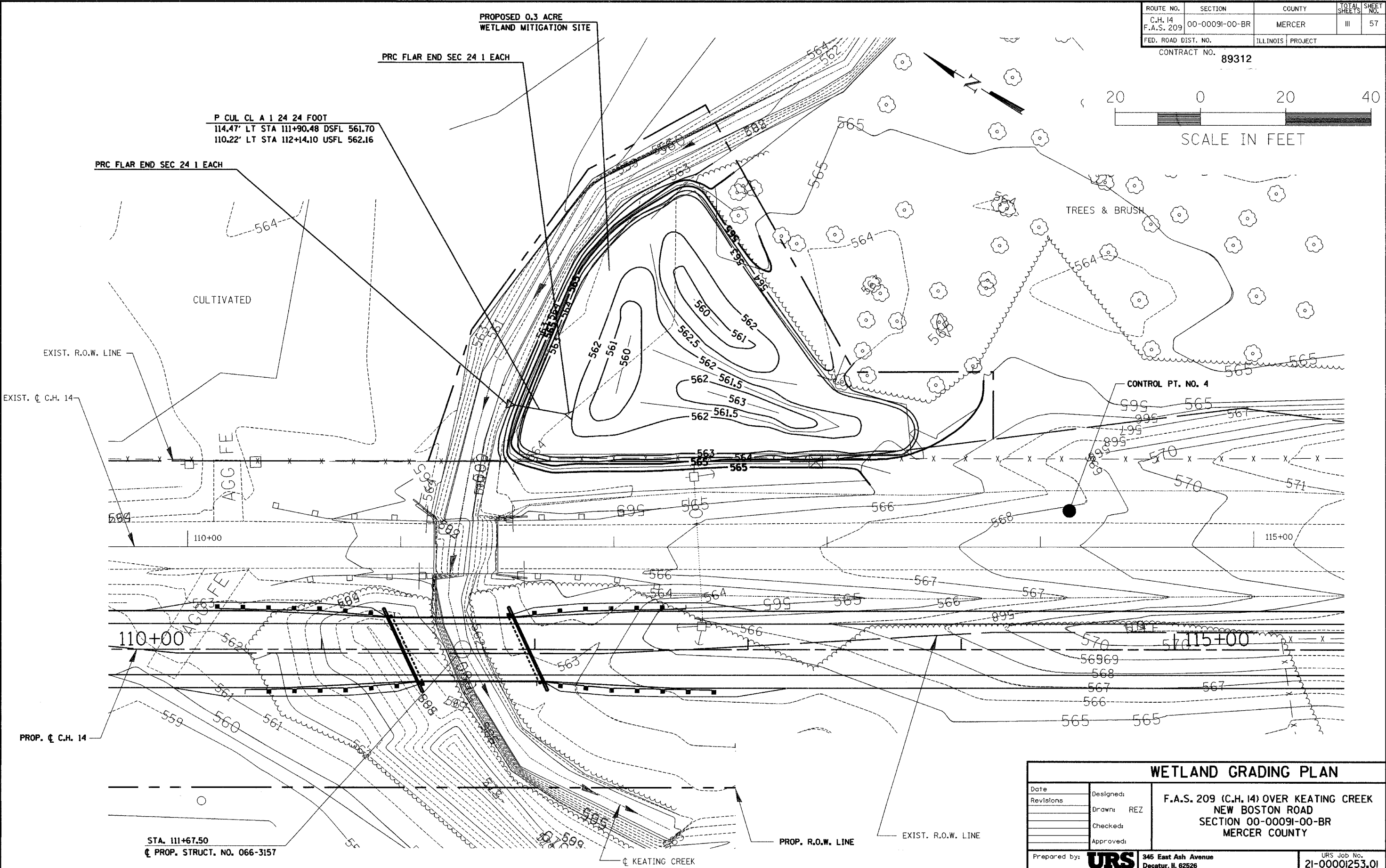


PROPOSED 0.3 ACRE
WETLAND MITIGATION SITE

PRC FLAR END SEC 24 1 EACH

P CUL CL A 1 24 24 FOOT
114.47' LT STA 111+90.48 DSFL 561.70
110.22' LT STA 112+14.10 USFL 562.16

PRC FLAR END SEC 24 1 EACH



STA. 111+67.50
☐ PROP. STRUCT. NO. 066-3157

PROP. R.O.W. LINE

EXIST. R.O.W. LINE

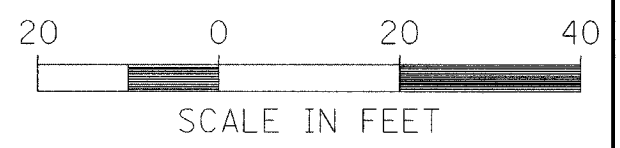
☐ KEATING CREEK

WETLAND GRADING PLAN

Date	Designed:	F.A.S. 209 (C.H. 14) OVER KEATING CREEK NEW BOSTON ROAD SECTION 00-00091-00-BR MERCER COUNTY
Revisions	Drawn: REZ	
	Checked:	
	Approved:	
Prepared by:	URS 345 East Ash Avenue Decatur, IL 62526	URS Job No. 21-00001253.01

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
C.H. 14	00-00091-00-BR	MERCER	III	58
F.A.S. 209				
FED. ROAD DIST. NO.	ILLINOIS PROJECT			

CONTRACT NO. 89312

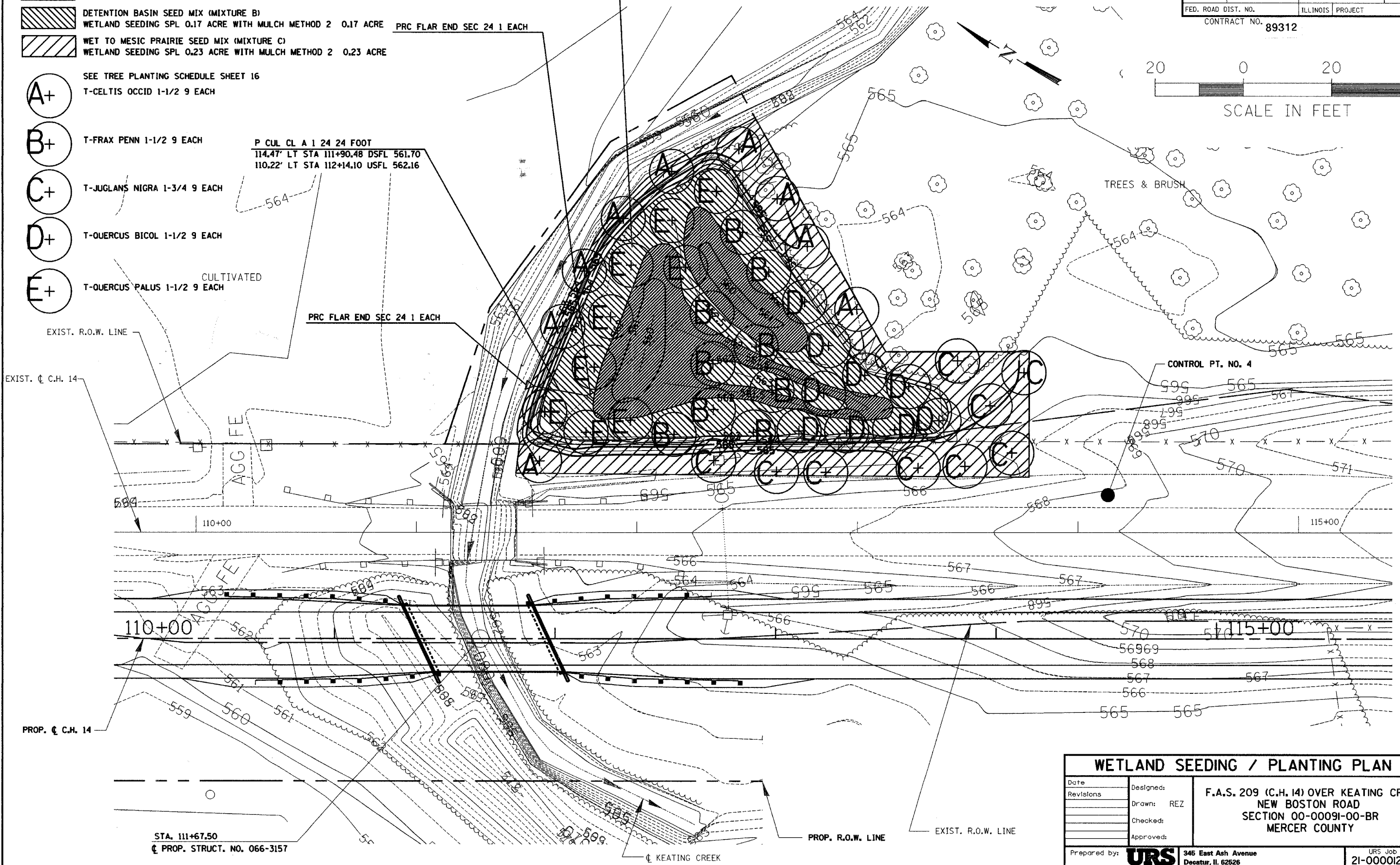


- WOODLAND WETLAND UNDERSTORY SEED MIX (MIXTURE A)
WETLAND SEEDING SPL 0.12 ACRE WITH MULCH METHOD 2 0.12 ACRE
- DETENTION BASIN SEED MIX (MIXTURE B)
WETLAND SEEDING SPL 0.17 ACRE WITH MULCH METHOD 2 0.17 ACRE
- WET TO MESIC PRAIRIE SEED MIX (MIXTURE C)
WETLAND SEEDING SPL 0.23 ACRE WITH MULCH METHOD 2 0.23 ACRE

- SEE TREE PLANTING SCHEDULE SHEET 16
- A+** T-CELTIS OCCID 1-1/2 9 EACH
- B+** T-FRAX PENN 1-1/2 9 EACH
- C+** T-JUGLANS NIGRA 1-3/4 9 EACH
- D+** T-QUERCUS BICOL 1-1/2 9 EACH
- E+** T-QUERCUS PALUS 1-1/2 9 EACH

P CUL CL A 1 24 24 FOOT
114.47' LT STA 111+90.48 DSFL 561.70
110.22' LT STA 112+14.10 USFL 562.16

PROPOSED 0.3 ACRE
WETLAND MITIGATION SITE



WETLAND SEEDING / PLANTING PLAN		
Date	Designed:	F.A.S. 209 (C.H. 14) OVER KEATING CREEK NEW BOSTON ROAD SECTION 00-00091-00-BR MERCER COUNTY
Revisions	Drawn: REZ	
	Checked:	
	Approved:	
Prepared by:	URS 345 East Ash Avenue Deerfield, IL 60015	URS Job No. 21-00001253.01

BENCHMARK:

R.R. Spike In fence corner post
Southeast of gravel entrance. Station 104+97
Elev. 561.57

EXISTING STRUCTURE: (Str. No.: 066-3152)

Concrete Slab Deck with Concrete Curb on
6" x 21" Steel Wide Flange Beams and
Timber Abutments.

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
C.H. 14 F.A.S. 209	00-00091-00-BR	MERCER	III	59
FED. ROAD DIST. NO.	ILLINOIS PROJECT			

CONTRACT NO. 89312

GENERAL NOTES

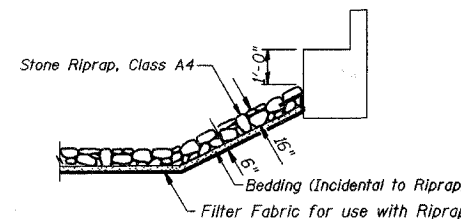
Layout of Riprap Slopes may be varied in the field to suit ground conditions as directed by the Engineer.

See Proposal for Boring Data.

Reinforcement Bars shall conform to the requirements of AASHTO M-31 or M-322, Grade 60.

The Contractor shall drive one Steel HP Test Pile in a permanent location at the North Abutment as directed by the Engineer before ordering the remainder of piles.

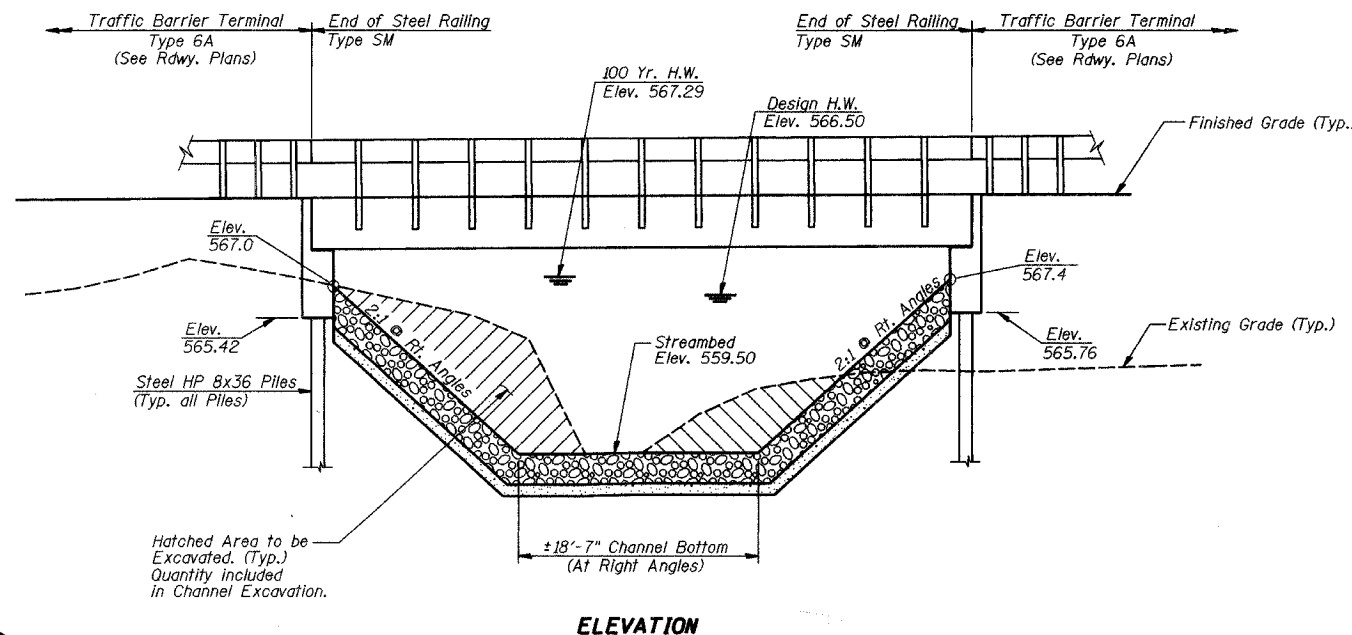
Excavation required for abutment construction shall be incidental to concrete structures. No additional compensation will be provided for structure excavation.



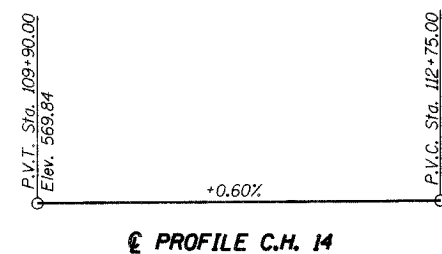
STONE RIPRAP DETAIL

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Removal of Existing Structures No. 1	Each			1
P.P.C Deck Beams (27" Depth)	Sq. Ft.	1745		1745
Concrete Structures	Cu. Yd.		25.2	25.2
Reinforcement Bars, Epoxy Coated	Pound		2620	2620
Furnishing Steel Piles HP 8x36	Foot		587	587
Driving Piles	Foot		587	587
Test Pile Steel HP 8x36	Each		1	1
Channel Excavation	Cu. Yd.		133	133
Stone Riprap, Class A4	Sq. Yd.		261	261
Filter Fabric	Sq. Yd.		261	261
Name Plates	Each		1	1
Steel Railings, Type SM	Foot	117		117
Portland Cement Mortar Fairing Course	Foot	524		524
Waterproofing Membrane System	Sq. Yd.	194		194
Hot-Mix Asphalt Surface Course, Mixture C, N50	Ton	23		23
Concrete Encasement	Cu. Yd.		2	2
Permanent Survey Markers, Type 1	Each		1	1



ELEVATION



PROFILE C.H. 14

DESIGN SPECIFICATIONS

2002 AASHTO

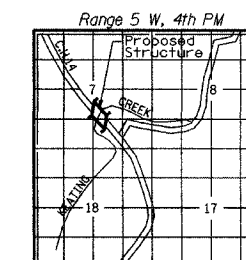
LOADING HS20-44

Allowed 50#/sq. ft. for future wearing surface.

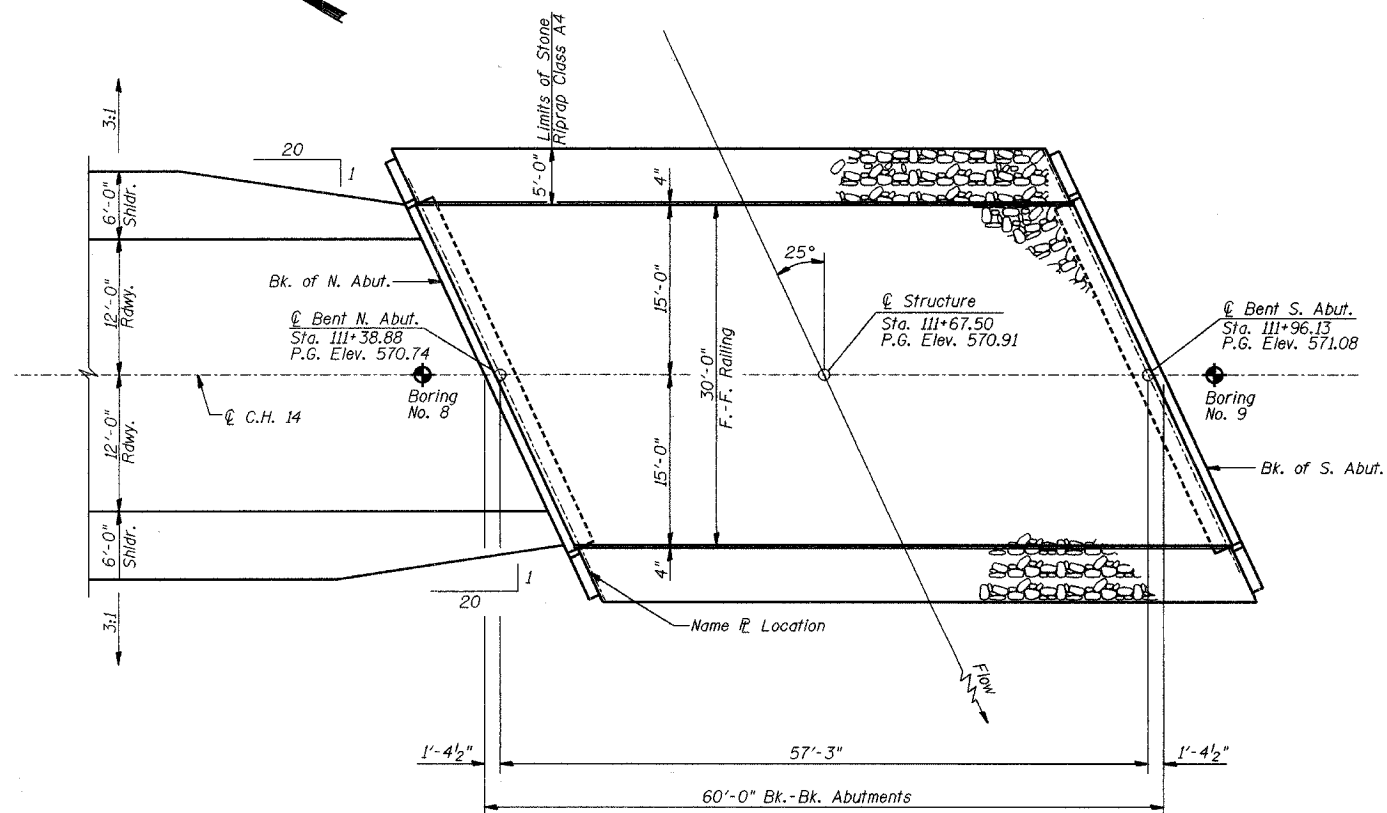
DESIGN STRESSES

FIELD UNITS
f'c = 3,500 p.s.i.
f'y = 60,000 p.s.i.
n = 9

PPC UNITS
f'ci = 4,000 p.s.i.
f'co = 5,000 p.s.i.
f's = 270,000 p.s.i.
f'si = 201,960 p.s.i.



LOCATION SKETCH



PLAN

**KEATING CREEK
BUILT 200... BY
MERCER COUNTY
SECTION 00-00091-00-BR
F.A.S. RT. 209 STA. III+67.50
F.A.S. PROJ. BR-S-209()
STR. NO. 066-3157 LOADING HS-20**

NAME PLATE

(See Std. 515001)



DATE: February 15, 2007
Keith W. Bentz
KEITH W. BENTZ
ILL. STRUCTURAL NO. 4777

Exp. 11/30/2008

WATERWAY INFORMATION

Drainage Area = 2.6 Sq. Mi. Existing Low Grade Elev. 559.50 @ Sta. III+62.50
Proposed Low Grade Elev. 570.74 @ Sta. III+40.26

Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft. Exist. Prop.	Nat. H.W.E.	Head-Ft. Exist. Prop.	Headwater El. Exist. Prop.
Design	30	1382	64 228	566.50	0.40	566.90
Base	100	1905	64 266	567.29	0.76	568.05
Overtopping						
Max. Calc.	500	2618	64 306	568.10	1.78	569.88

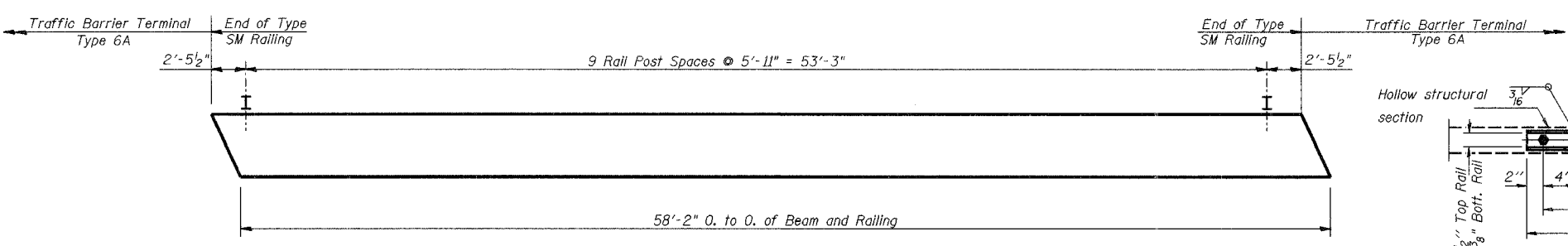
Low Beam Elev. (Prop.) = 568.02

GENERAL PLAN AND ELEVATION

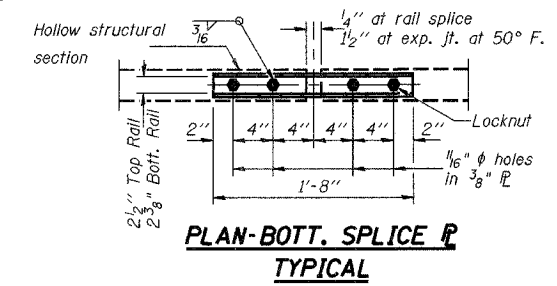
Date	Designed DCS	F.A.S. 209 (C.H. 14) OVER KEATING CREEK SECTION 00-00091-00-BR MERCER COUNTY STA. III+67.50 PROP. STR. NO. 066-3157	Sheet No.
Revisions	Drawn BKN		1
	Checked DCS		
	Approved KWB		
Prepared by:	URS 3040 North University Avenue Decatur, IL 62526		of 5 WVP Job No. 2100001253.01

"I CERTIFY THAT TO THE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF, THIS BRIDGE DESIGN IS STRUCTURALLY ADEQUATE FOR THE DESIGN LOADING SHOWN ON THE PLANS. THE DESIGN IS AN ECONOMICAL ONE FOR THE STYLE OF STRUCTURE AND COMPLIES WITH REQUIREMENTS OF THE CURRENT AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES."

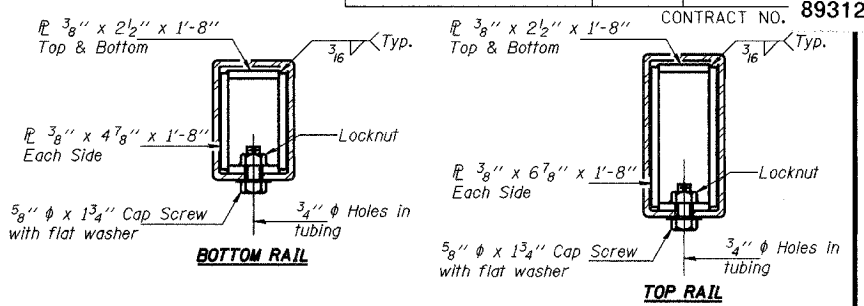
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
C.H. 14 F.A.S. 209	00-00091-00-BR	MERCER	III	61
FED. ROAD DIST. NO.	ILLINOIS	PROJECT	CONTRACT NO. 89312	



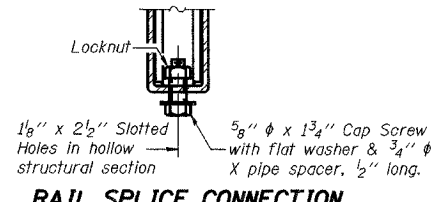
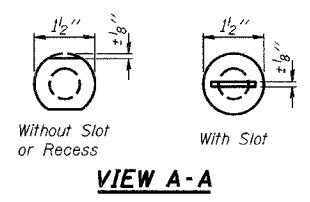
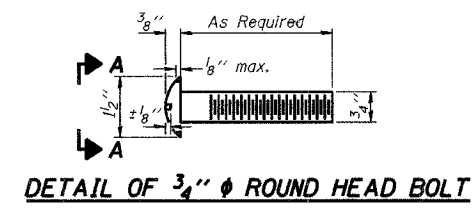
PLAN VIEW - EXTERIOR BEAM
(Showing Rail Post Spacing)



PLAN-BOTT. SPLICE R TYPICAL



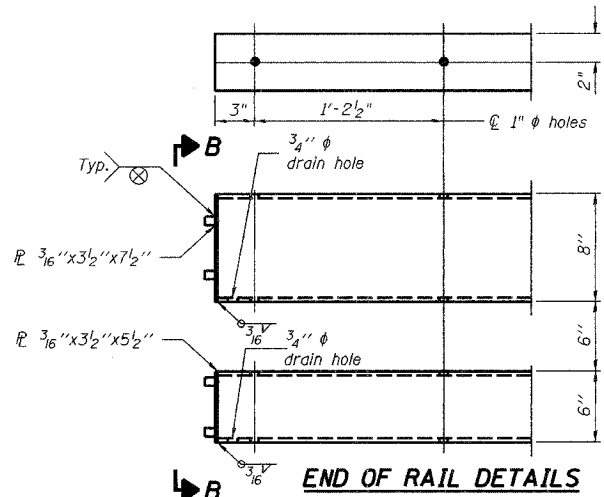
SECTIONS AT RAIL SPLICE



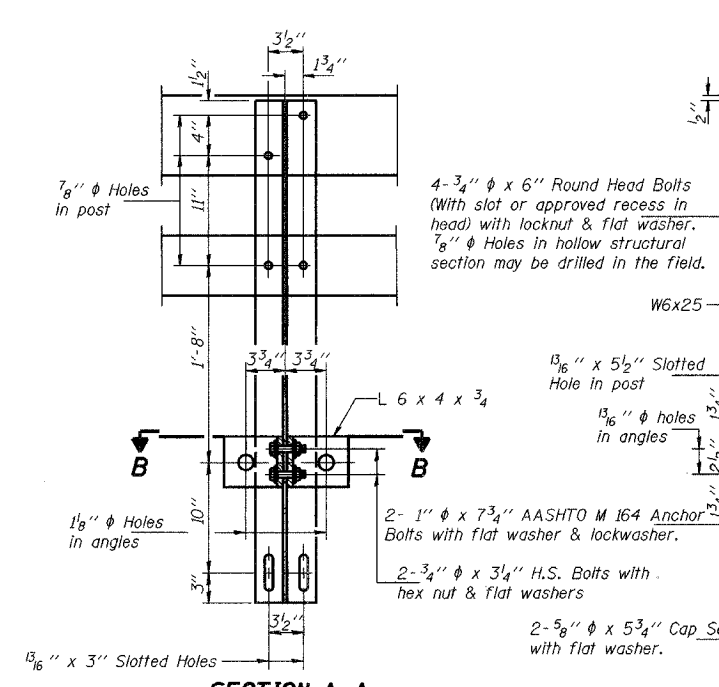
DETAIL OF 3/4" ROUND HEAD BOLT

VIEW A-A

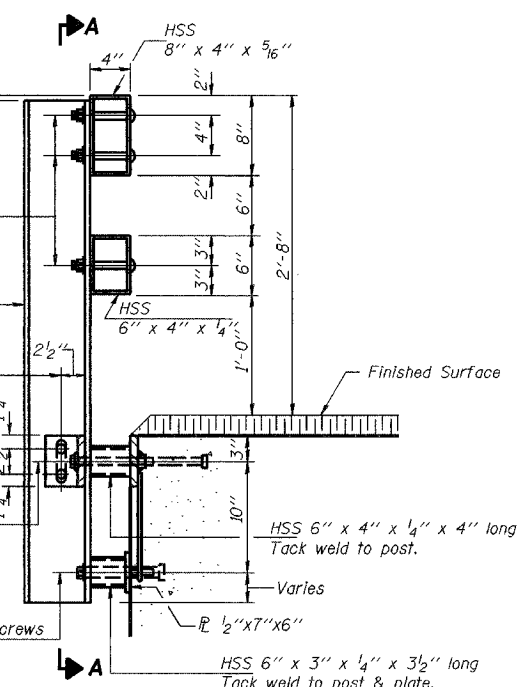
RAIL SPLICE CONNECTION AT EXPANSION JT.



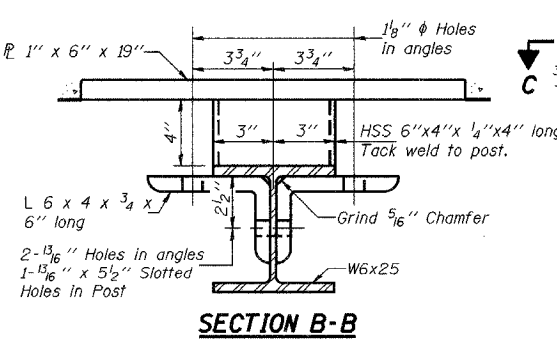
END OF RAIL DETAILS



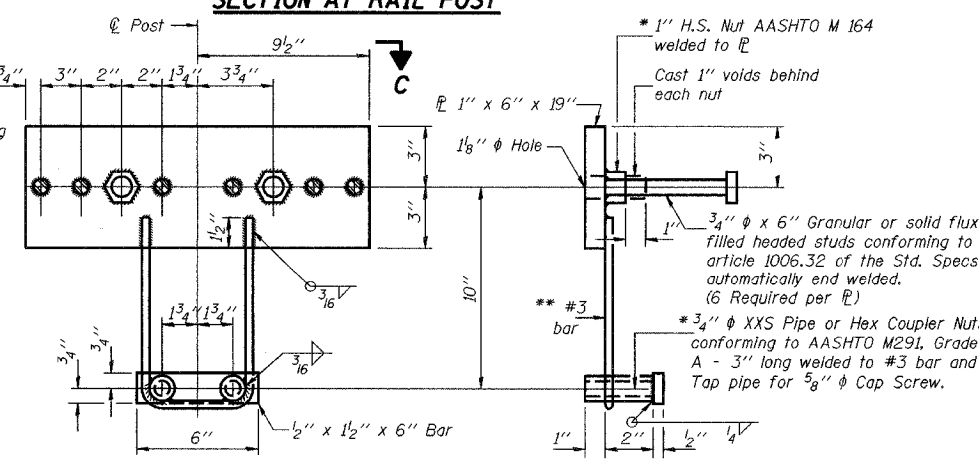
SECTION A-A



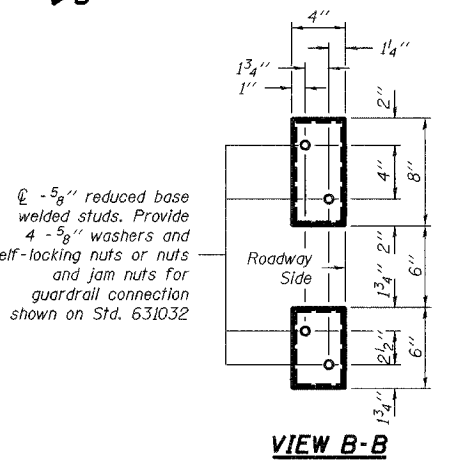
SECTION AT RAIL POST



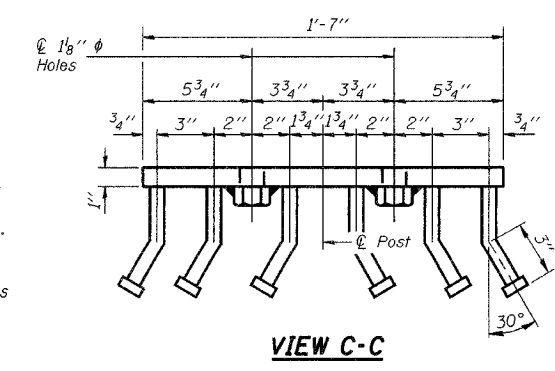
SECTION B-B



ANCHOR DEVICE



VIEW B-B



VIEW C-C

NOTES

Hollow structural sections shall conform to the requirements of ASTM designation A 500 Grade B Structural Steel Tubing and shall meet the longitudinal CVN requirements of 15 ft-lbs at 0° F.

All other steel shapes and plates shall conform to the requirements of AASHTO M 270 Grade 36 except posts and angles shall conform to AASHTO M 270, Grade 50.

Bolts, cap screws, and nuts shall conform to the requirements of ASTM designation A 307 except for high strength bolts, nuts and washers noted which shall conform to AASHTO M 164.

All bolts, nuts, cap screws, washers and lock washers shall be galvanized according to AASHTO M 232.

All posts, railing, rail splices, anchor devices and angles shall be galvanized after shop fabrication according to AASHTO M 111 and ASTM A 385. Galvanized rail shall not be painted.

Railing shall be according to Section 509 of the Standard Specifications, except as noted, and will be paid for at the contract unit price per foot for Steel Bridge Rail, Type SM.

All field drilled holes shall be coated with an approved zinc rich paint before erection.

For multi-span bridges, sufficient 1/4" x 6" x 1'-2" galvanized steel shims shall be provided to align rail between adjacent spans. Cost included with Steel Bridge Rail, Type SM.

The 1/2" x 7" x 6" plates that come in contact with concrete shall receive two coats of asphalt paint conforming to Section 1060.07 Type II or place 1/8" fabric bearing pads between the plates and concrete.

The 3/4" high strength bolts used to connect the 6 x 4 x 3/4 angles to the post shall be tightened according to Article 505.04(F)(2) of the Standard Specifications. The 1" high strength bolts connecting the angles to the concrete shall be tightened to a snug fit and given an additional 1/8 turn. The 5/8" cap screws in bottom of posts shall be tightened to a snug fit only.

BILL OF MATERIAL

Item	Unit	Quantity
Steel Bridge Rail, Type SM	Foot	117

TYPE SM STEEL BRIDGE RAIL SIDE MOUNTED

STEEL RAILING

Date	Designed DCS	F.A.S. 209 (C.H. 14) OVER KEATING CREEK SECTION 00-00091-00-BR MERCER COUNTY STA. III+67.50 PROP. STR. NO. 066-3157	Sheet No.
Revisions	Drawn BKN		3
	Checked DCS		of 5
	Approved KWB		WVP Job No.
Prepared by:	URS 3040 North University Avenue Decatur, IL 62526		2100001253.01

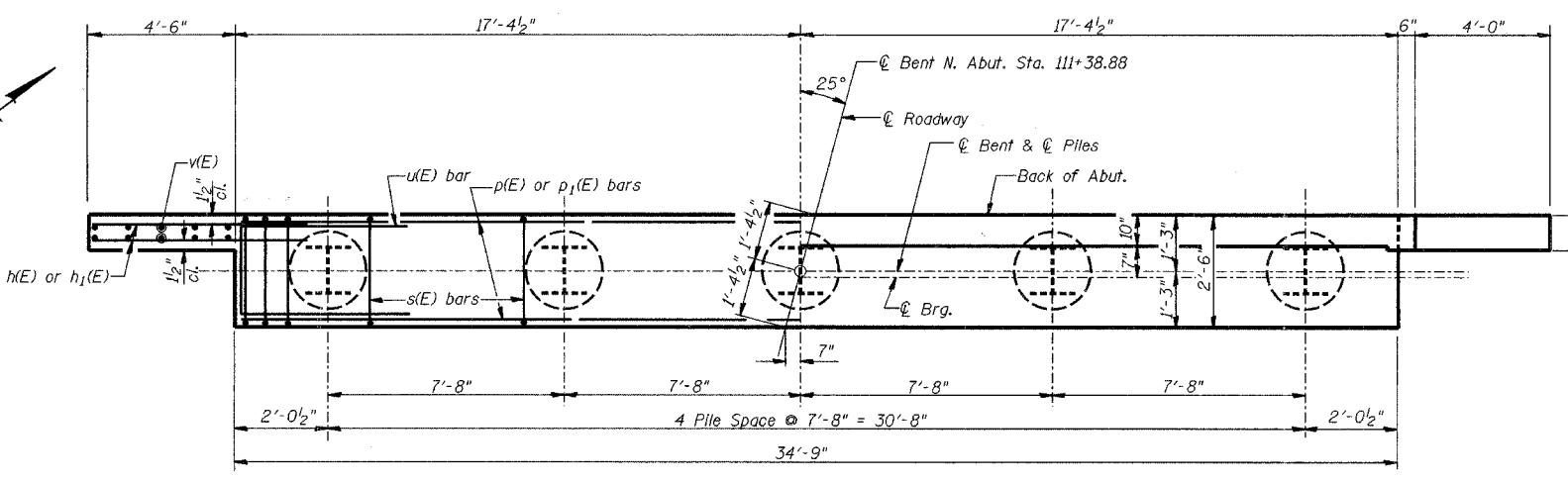
* Whenever the lower insert assemblies interfere with strand locations, the #3 bars shall be cut and adjusted in order to allow raising or lowering of the lower inserts. Maximum adjustment not to exceed 1/2".

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 14 F.A.S. 209	00-00091-00-BR	MERCER	III	62
FED. ROAD DIST. NO.	ILLINOIS	PROJECT		

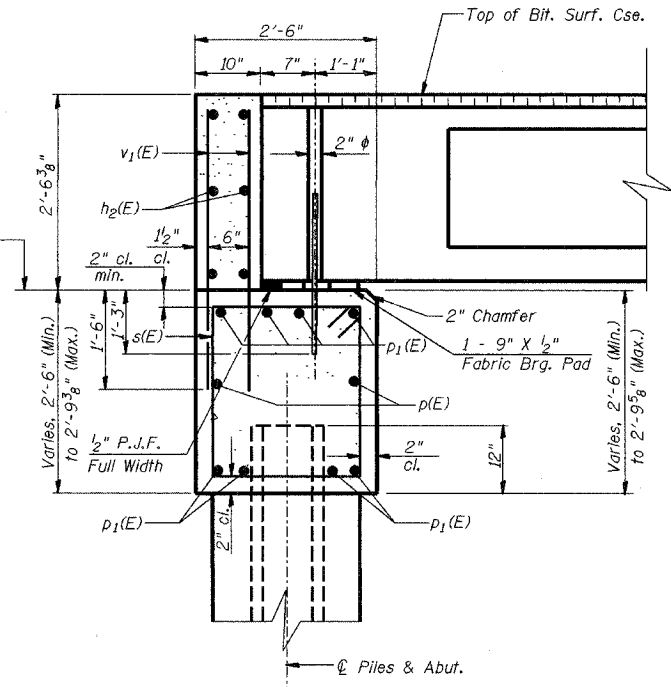
CONTRACT NO. 89312

NOTES

- The Backwall and the portion of the Wingwalls above the bonded construction joint shall be cast against the in-place Deck Beams.
- 1" dia. x 2'-6" dowel rods in 1 1/2" dia. holes drilled in cap (4 each beam). Dowel rods to be grouted after beams are in place and allowed to cure (min. 24 hrs.) prior to grouting the shear keys. The grout shall be an approved non-shrink grout.
- Reinforcement Bars designated (E) shall be Epoxy Coated.
- Reinforcement bars shall conform to the requirements of AASHTO M-31 or M-322, Grade 60.
- Space Reinforcement in cap to miss dowel rods.
- The Steel H-Piles shall be according to AASHTO M-270, Grade 50.
- The test pile shall be driven to 110 percent of the Nominal Required Bearing indicated in the Pile Data Information.



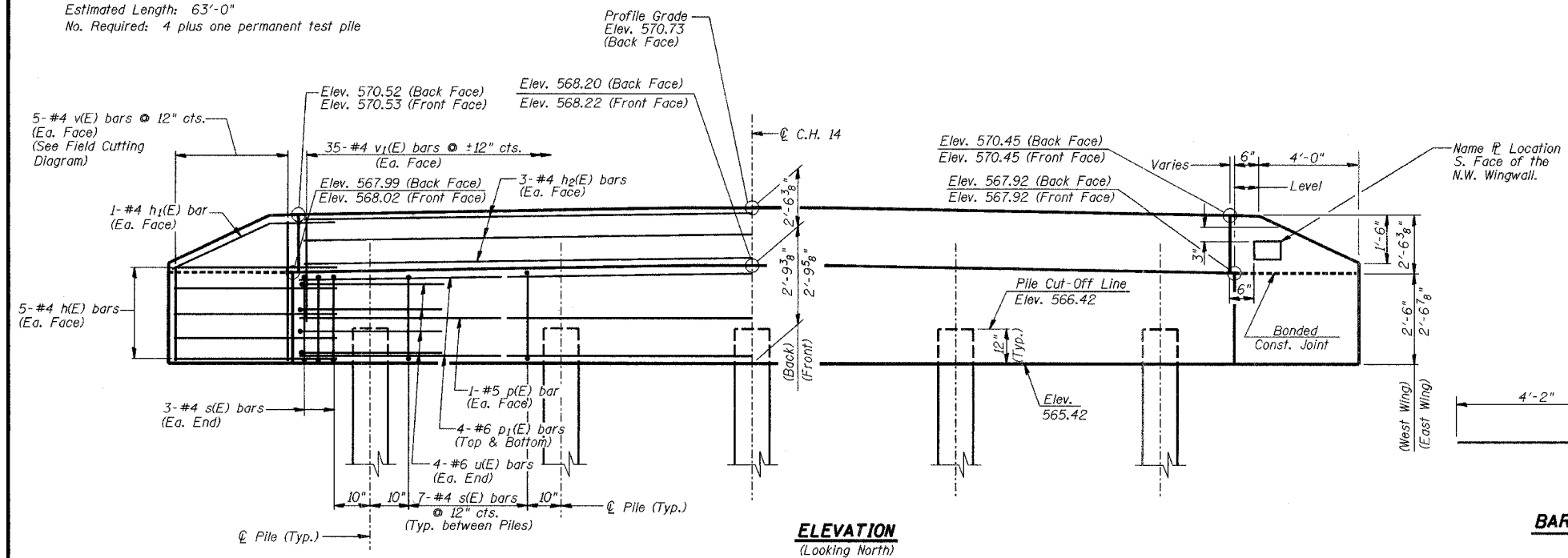
PLAN



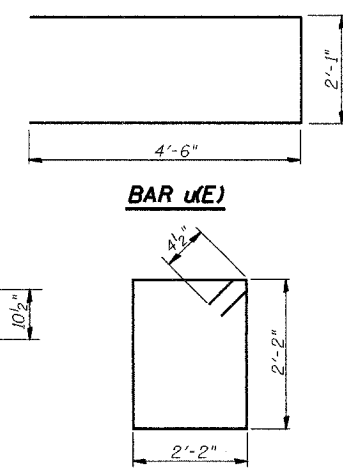
SECTION THRU ABUT.
(At Rt. Angles)

PILE DATA

Type: Steel HP8x36
 Nominal Required Bearing: 286 Kips/pile
 Allowable Resistance Available: 86 Kips/pile
 Estimated Length: 63'-0"
 No. Required: 4 plus one permanent test pile



ELEVATION
(Looking North)



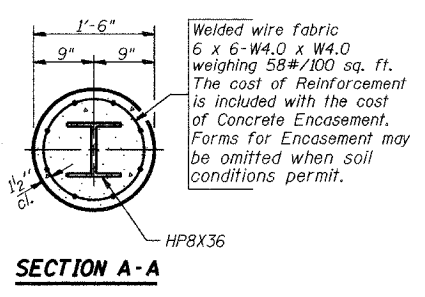
BAR u(E)

BAR h1(E)

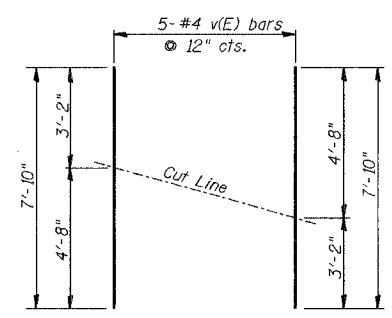
BAR s(E)

BILL OF MATERIAL
NORTH ABUTMENT

Bar	No.	Size	Length	Shape
h(E)	20	#4	6'-6"	—
h1(E)	4	#4	6'-8"	—
h2(E)	6	#4	34'-5"	—
p(E)	2	#5	34'-5"	—
p1(E)	8	#6	34'-5"	—
s(E)	34	#4	9'-5"	□
u(E)	8	#6	11'-1"	—
v(E)	10	#4	7'-10"	—
v1(E)	70	#4	3'-10"	—
Concrete Structures			Cu. Yd.	12.6
Steel Piles HP 8x36			Foot	252
Test Pile Steel HP 8x36			Each	1
Reinforcement Bars, Epoxy Coated			Pound	1310
Concrete Encasement			Cu. Yd.	1



SECTION A-A



FIELD CUTTING DIAGRAM

Order bars full length. Cut to fit as shown and use remainder of bars in other face.

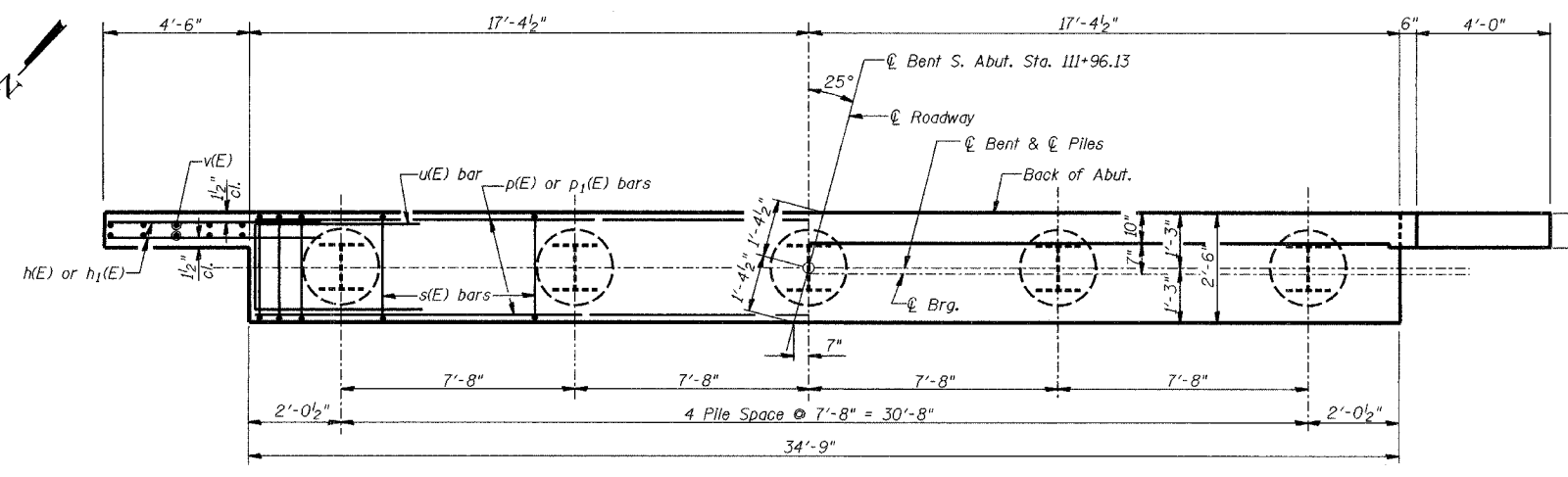
NORTH ABUTMENT		Sheet No.
Date	Designed DCS	F.A.S. 209 (C.H. 14) OVER KEATING CREEK SECTION 00-00091-00-BR MERCER COUNTY STA. III+67.50 PROP. STR. NO. 066-3157
Revisions	Drawn BKN	
	Checked DCS	
	Approved KWB	
Prepared by:	URS	
3040 North University Avenue Decatur, IL 62526		4 of 5 WVP Job No. 2100001253.01

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 14 F.A.S. 209	00-00091-00-BR	MERCER	III	63
FED. ROAD DIST. NO.	ILLINOIS	PROJECT		

CONTRACT NO. 89312

NOTES

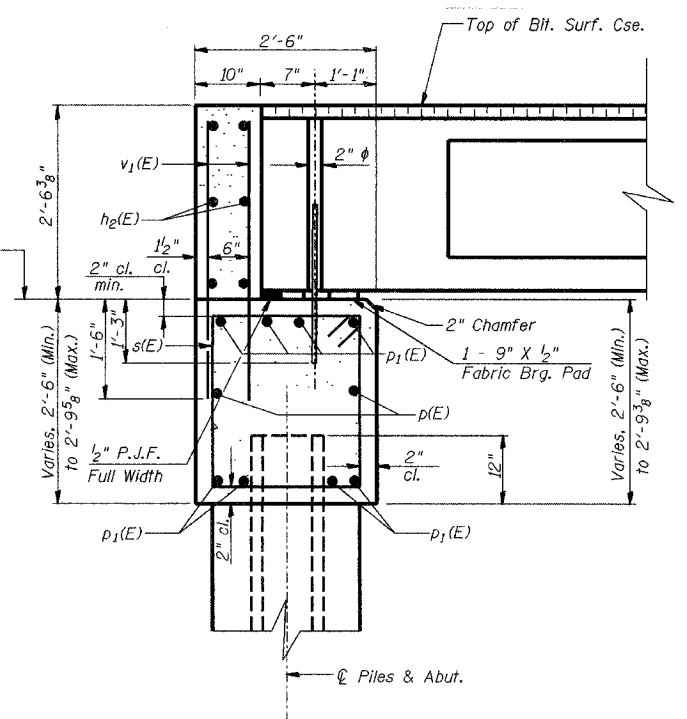
- The Backwall and the portion of the Wingwalls above the bonded construction joint shall be cast against the in-place Deck Beams.
- 1" dia. x 2'-6" dowel rods in 1 1/2" dia. holes drilled in cap (4 each beam). Dowel rods to be grouted after beams are in place and allowed to cure (min. 24 hrs.) prior to grouting the shear keys. The grout shall be an approved non-shrink grout.
- Reinforcement Bars designated (E) shall be Epoxy Coated.
- Reinforcement bars shall conform to the requirements of AASHTO M-31 or M-322, Grade 60.
- Space Reinforcement in cap to miss Bonded Const. Jt.
- The Steel H-Piles shall be according to AASHTO M-270, Grade 50.
- The test pile shall be driven to 110 percent of the Nominal Required Bearing indicated in the Pile Data Information.



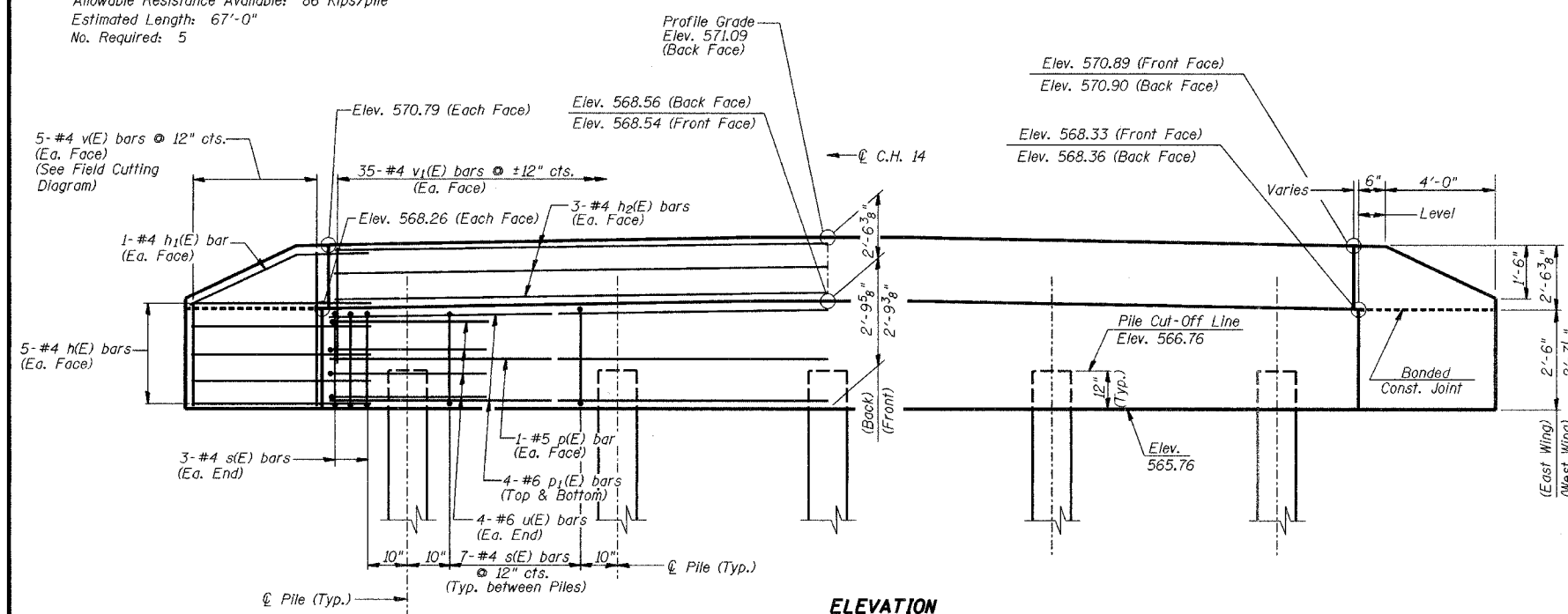
PLAN

PILE DATA

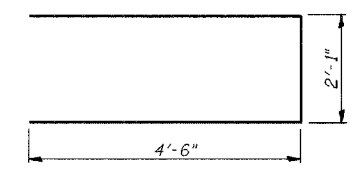
Type: Steel HP8x36
 Nominal Required Bearing: 286 Kips/pile
 Allowable Resistance Available: 86 Kips/pile
 Estimated Length: 67'-0"
 No. Required: 5



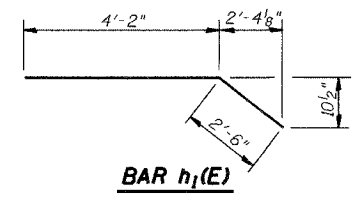
SECTION THRU ABUT.
(At Rt. Angles)



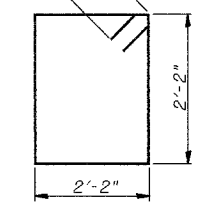
ELEVATION
(Looking South)



BAR u(E)



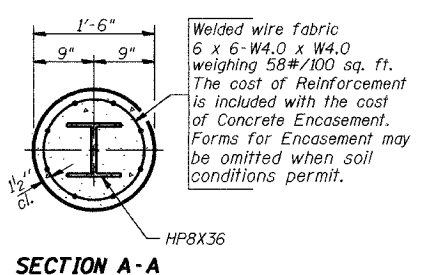
BAR h1(E)



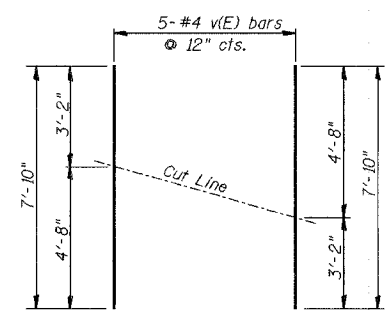
BAR s(E)

BILL OF MATERIAL
SOUTH ABUTMENT

Bar	No.	Size	Length	Shape
h(E)	20	#4	6'-6"	—
h1(E)	4	#4	6'-8"	—
h2(E)	6	#4	34'-5"	—
p(E)	2	#5	34'-5"	—
p1(E)	8	#6	34'-5"	—
s(E)	34	#4	9'-5"	□
u(E)	8	#6	11'-1"	—
v(E)	10	#4	7'-10"	—
v1(E)	70	#4	3'-10"	—
Concrete Structures			Cu. Yd.	12.6
Steel Piles HP 8x36			Foot	335
Reinforcement Bars, Epoxy Coated			Pound	1310
Concrete Encasement			Cu. Yd.	1



SECTION A-A



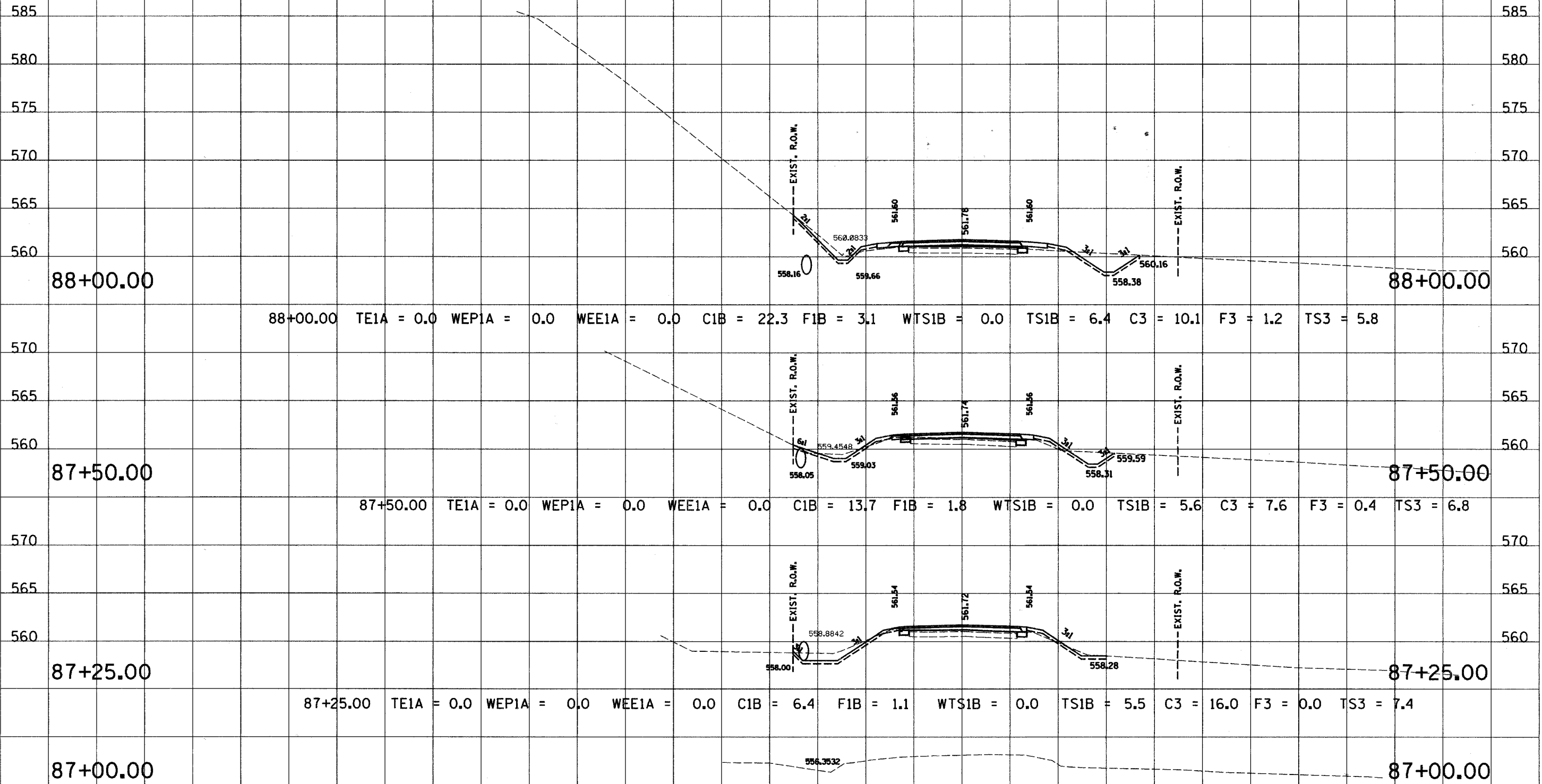
FIELD CUTTING DIAGRAM

Order bars full length. Cut to fit as shown and use remainder of bars in other face.

SOUTH ABUTMENT		Sheet No.
Date	Designed DCS	F.A.S. 209 (C.H. 14) OVER KEATING CREEK SECTION 00-00091-00-BR MERCER COUNTY STA. III+67.50 PROP. STR. NO. 066-3157
Revisions	Drawn BKN	
	Checked DCS	
	Approved KWB	
Prepared by:	URS 3040 North University Avenue Decatur, IL 62526	5 of 5 WVP Job No. 2100001253.01

180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60

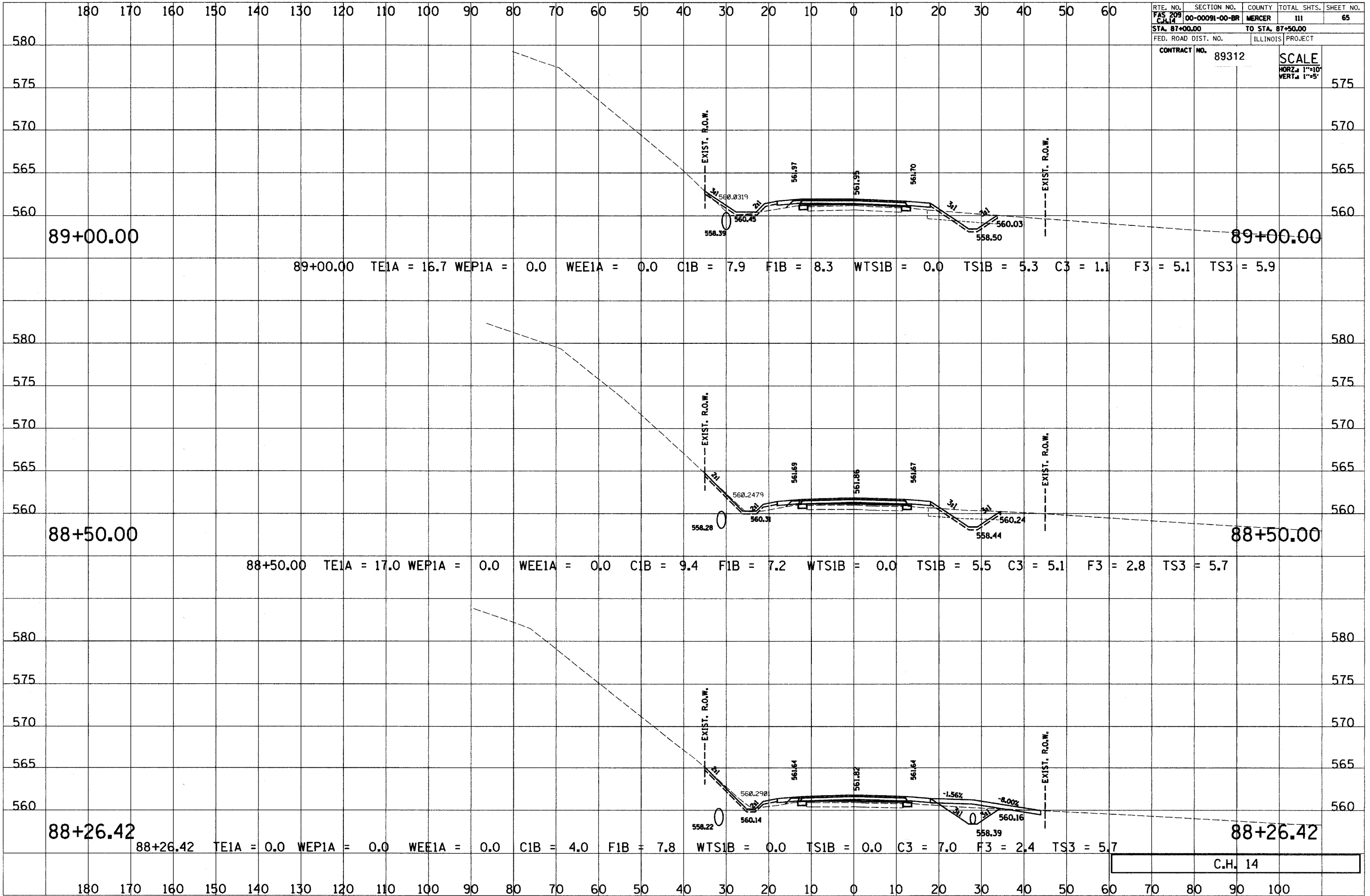
RTE. NO.	SECTION NO.	COUNTY	TOTAL SHTS.	SHEET NO.
FAS 209 C.H. 14	00-00091-00-BR	MERCER	111	64
STA. 87+00.00		TO STA. 87+50.00		
FED. ROAD DIST. NO.		ILLINOIS PROJECT		
CONTRACT NO. 89312		SCALE HORZ. 1"=10' VERT. 1"=5'		



C.H. 14

180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100

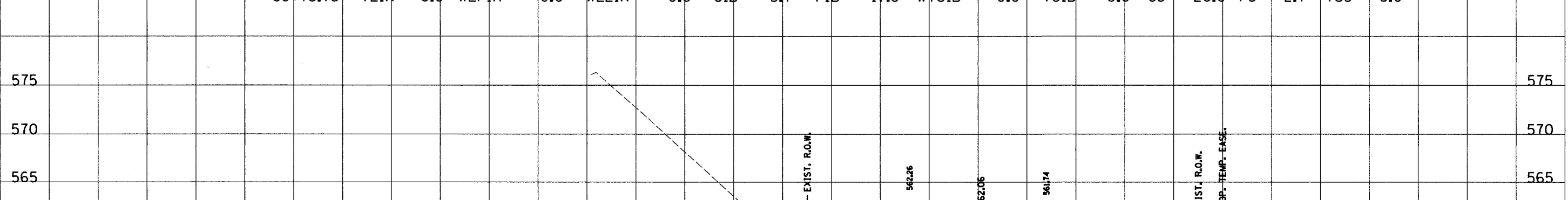
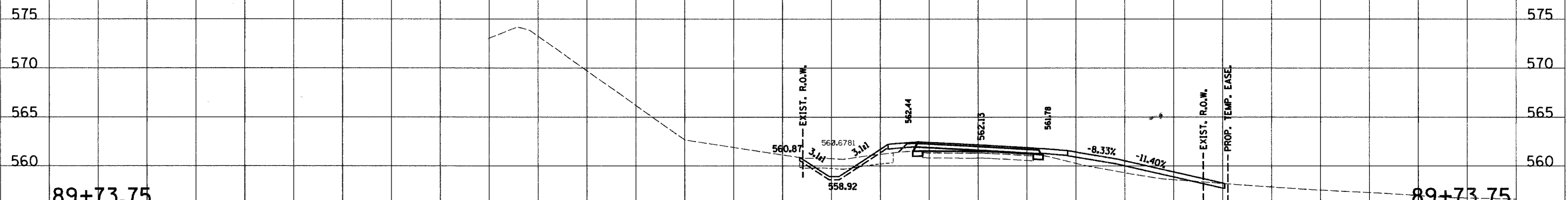
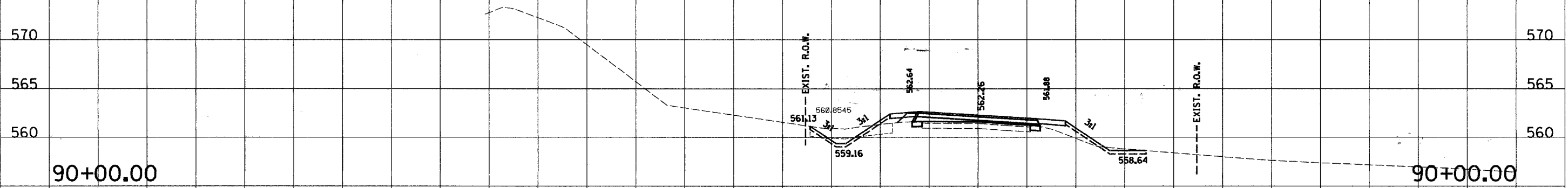
RTE. NO.	SECTION NO.	COUNTY	TOTAL SHTS.	SHEET NO.
FAS 209 C.H. 14	00-00091-00-BR	MERCER	111	65
STA. 87+00.00		TO STA. 87+50.00		
FED. ROAD DIST. NO.		ILLINOIS PROJECT		
CONTRACT NO.		89312		
		SCALE HORZ. 1"=10' VERT. 1"=5'		



C.H. 14

180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60

RTE. NO.	SECTION NO.	COUNTY	TOTAL SHTS.	SHEET NO.
FAS 209 C.H. 14	00-00091-00-BR	MERCER	111	66
STA. 87+00.00		TO STA. 87+50.00		
FED. ROAD DIST. NO.		ILLINOIS PROJECT		
CONTRACT NO. 89312		SCALE		
		HORZ. 1"=10'		
		VERT. 1"=5'		



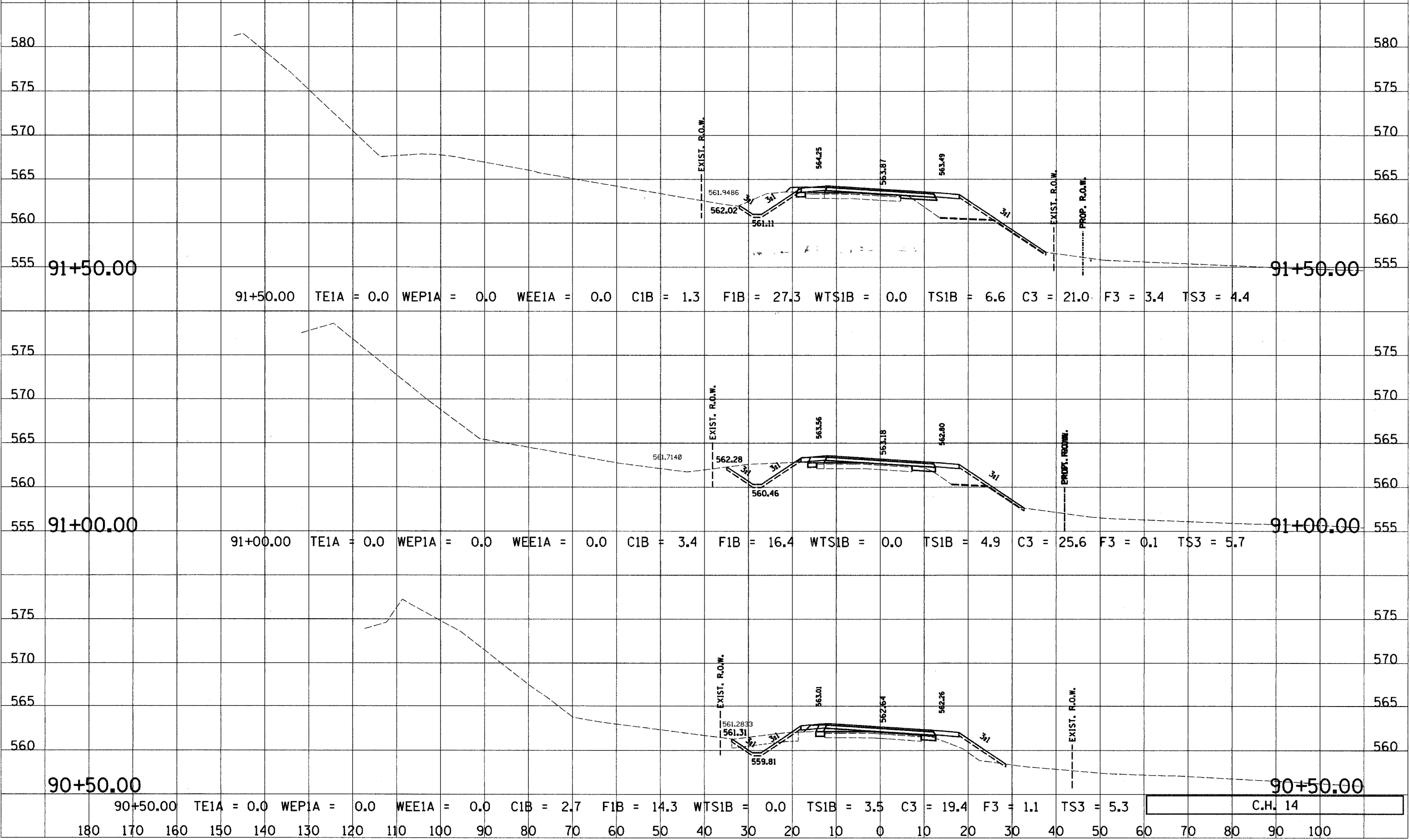
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C.H. 14

180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60

RTE. NO.	SECTION NO.	COUNTY	TOTAL SHTS.	SHEET NO.
FA 209 C.H. 14	00-00091-00-BR	MERCER	111	87
STA. 87+00.00		TO STA. 87+50.00		
FED. ROAD DIST. NO.		ILLINOIS PROJECT		

CONTRACT NO.	89312	SCALE
		HORIZ. 1"=10' VERT. 1"=5'

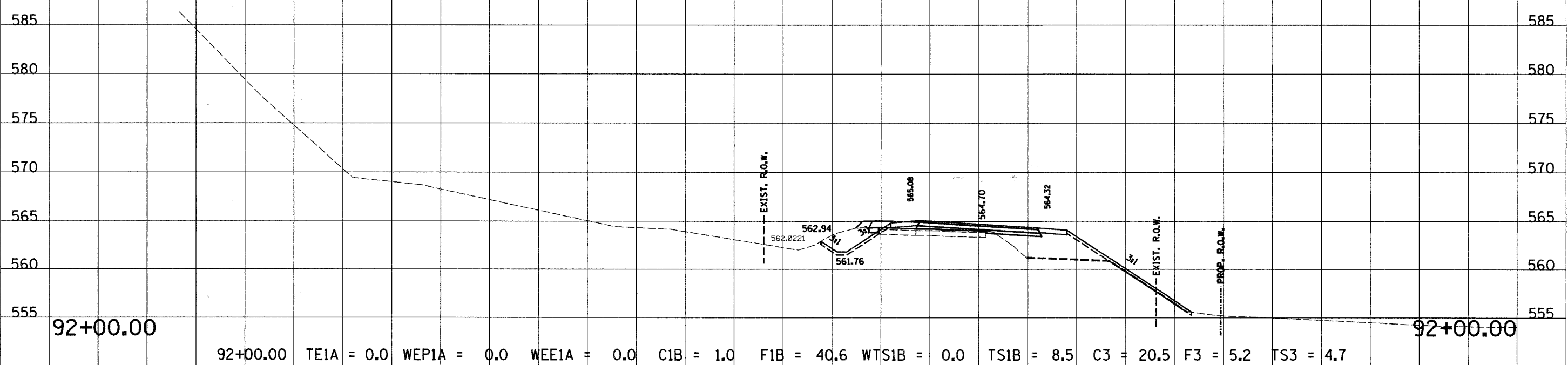
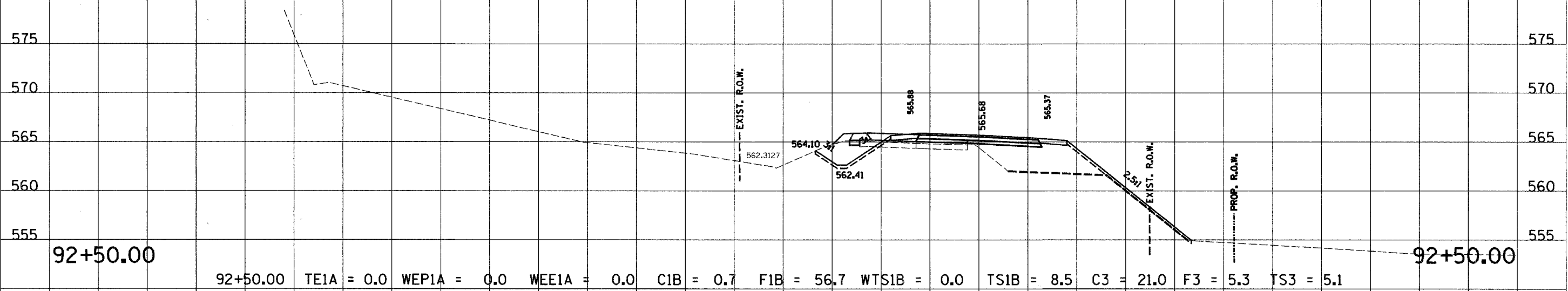


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90+50.00 C.H. 14

180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60

RTE. NO.	SECTION NO.	COUNTY	TOTAL SHTS.	SHEET NO.
FAS 209 C.H. 14	00-00091-00-BR	MERCER	111	68
STA. 87+00.00		TO STA. 87+50.00		
FED. ROAD DIST. NO.		ILLINOIS PROJECT		
CONTRACT NO.		89312		
		SCALE HORZ. 1"=10' VERT. 1"=5'		

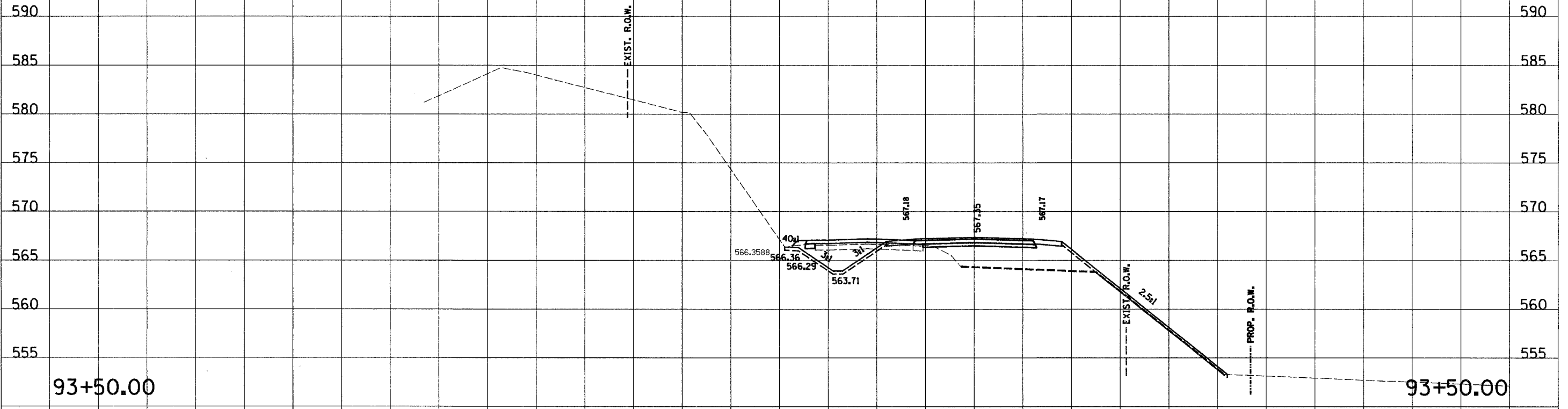


C.H. 14

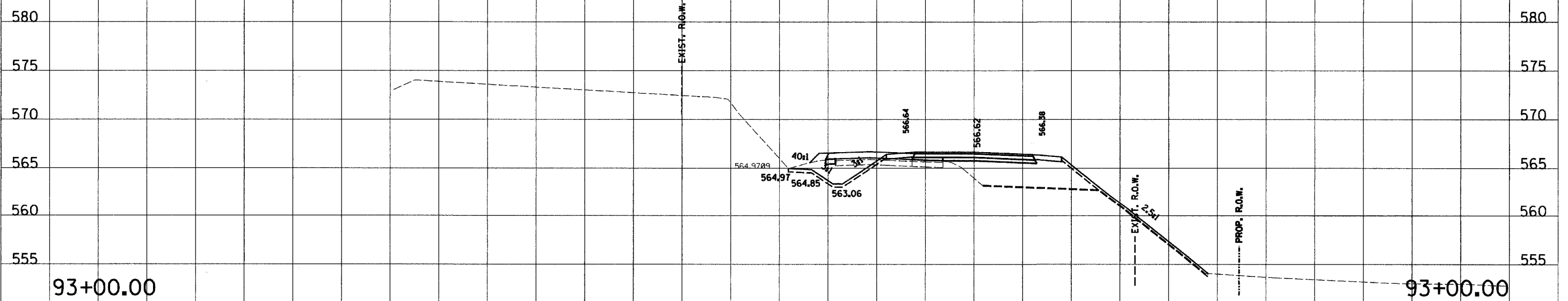
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RTE. NO. FAS 209 C.H. 14	SECTION NO. 00-00091-00-BR	COUNTY MERCER	TOTAL SHTS. 111	SHEET NO. 69
STA. 87+00.00		TO STA. 87+50.00		
FED. ROAD DIST. NO.		ILLINOIS PROJECT		
CONTRACT NO. 89312		SCALE HORZ. 1"=10' VERT. 1"=5'		



93+50.00 TE1A = 0.0 WE1A = 0.0 WEE1A = 0.0 C1B = 1.7 F1B = 62.1 WTS1B = 0.0 TS1B = 11.3 C3 = 27.0 F3 = 2.9 TS3 = 7.0



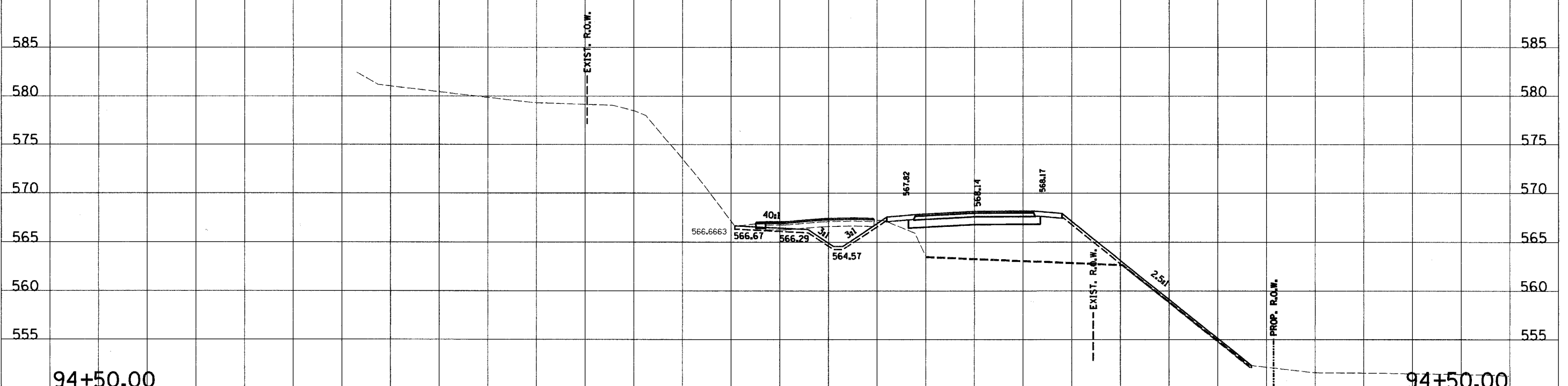
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C.H. 14

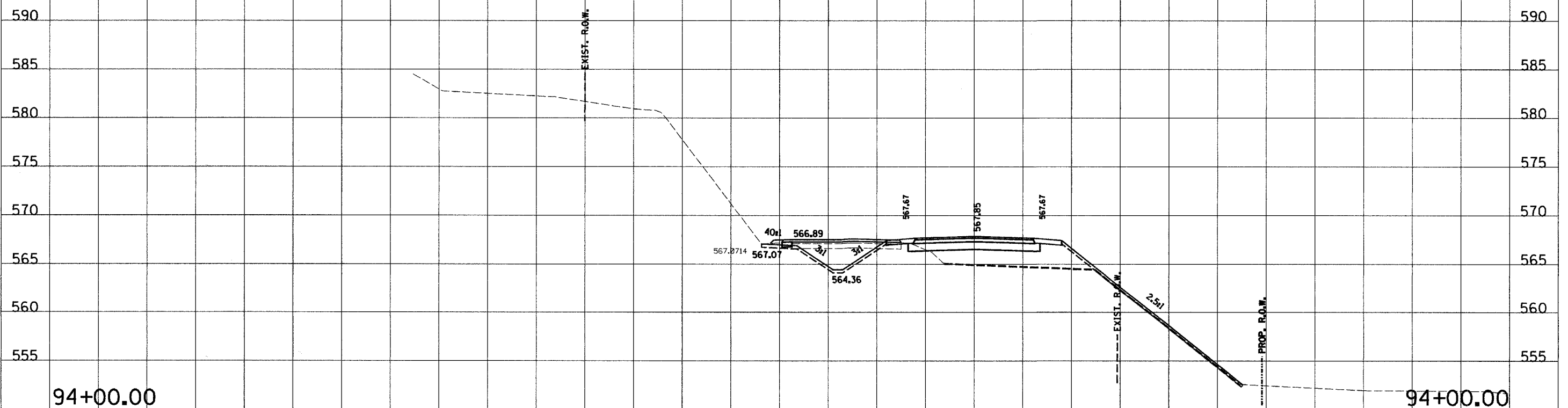
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180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60

RTE. NO.	SECTION NO.	COUNTY	TOTAL SHTS.	SHEET NO.
FAS 209 C.H. 14	00-0091-00-BR	MERCER	III	70
STA. 87+00.00		TO STA. 87+50.00		
FED. ROAD DIST. NO.		ILLINOIS PROJECT		
CONTRACT NO. 89312		SCALE HORZ. 1"=10' VERT. 1"=5'		



94+50.00 TE1A = 0.0 WEP1A = 0.0 WEE1A = 0.0 C1B = 2.4 F1B = 92.3 WTS1B = 0.0 TS1B = 13.3 C3 = 27.4 F3 = 0.0 TS3 = 9.6



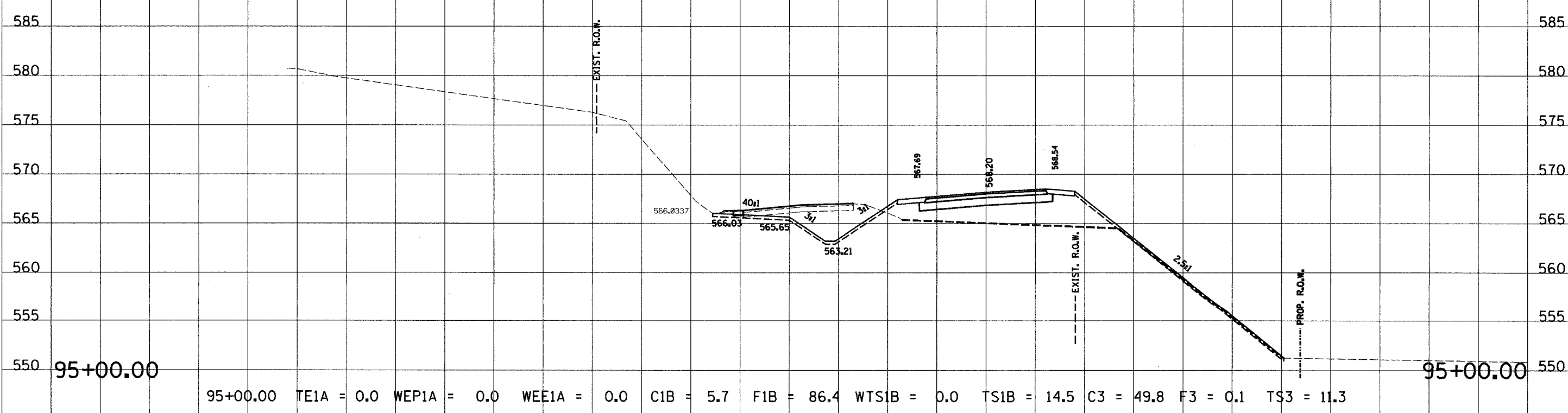
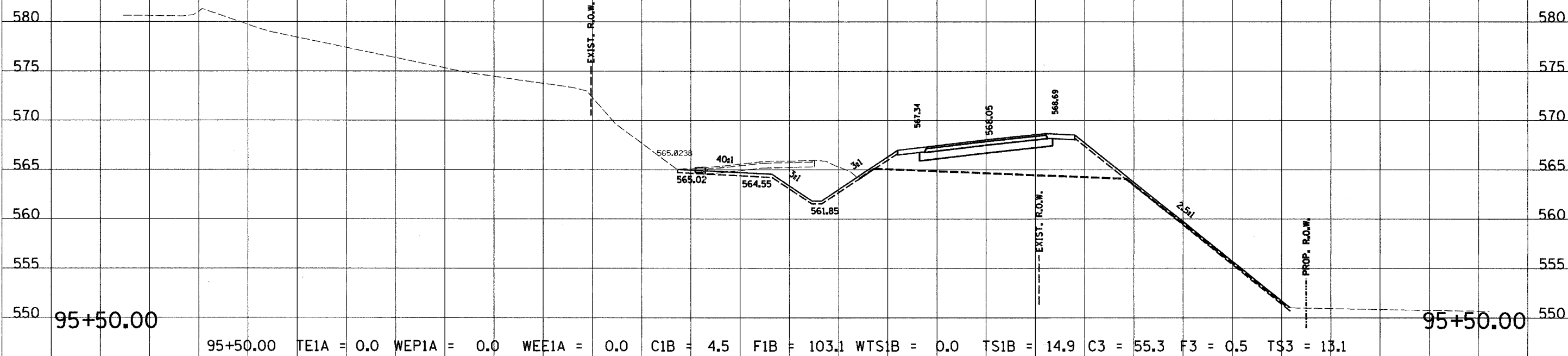
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C.H. 14

180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100

180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60

RTE. NO.	SECTION NO.	COUNTY	TOTAL SHTS.	SHEET NO.
FAS 209 C.H. 14	00-00091-00-BR	MERCER	111	71
STA. 87+00.00		TO STA. 87+50.00		
FED. ROAD DIST. NO.		ILLINOIS PROJECT		
CONTRACT NO. 89312		SCALE HORZ. 1"=10' VERT. 1"=5'		

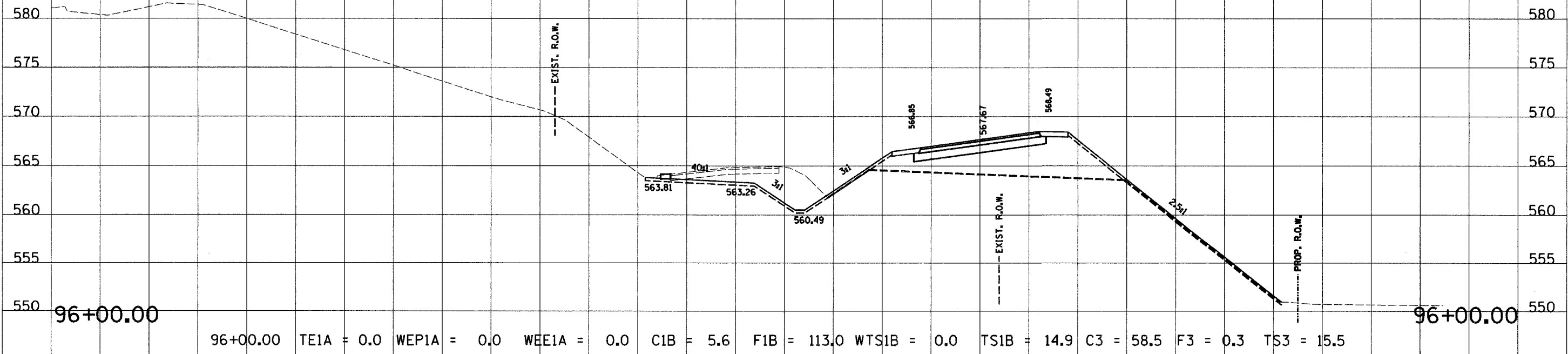
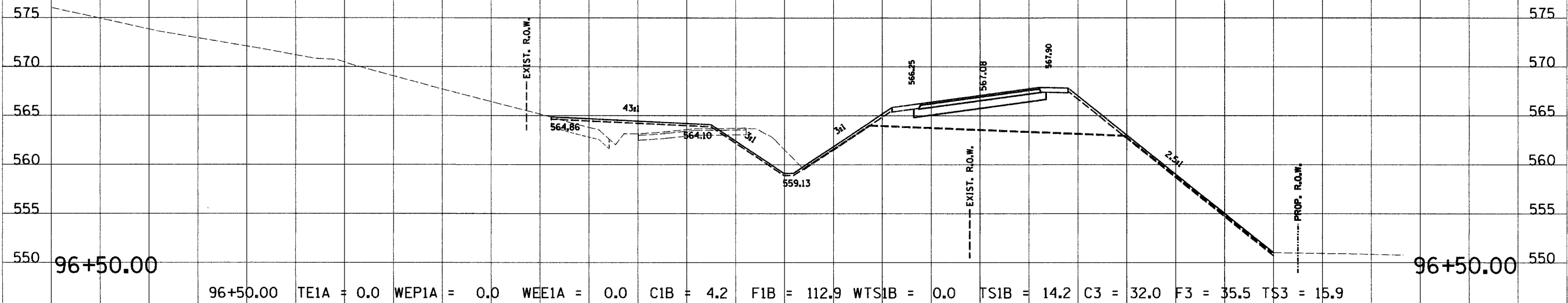


C.H. 14

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180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60

RTE. NO. FAS 209 C.H. 14	SECTION NO. 00-00091-00-BR	COUNTY MERCER	TOTAL SHTS. 111	SHEET NO. 72
STA. 87+00.00		TO STA. 87+50.00		
FED. ROAD DIST. NO.		ILLINOIS PROJECT		
CONTRACT NO. 89312		SCALE HORZ. 1"=10' VERT. 1"=5'		

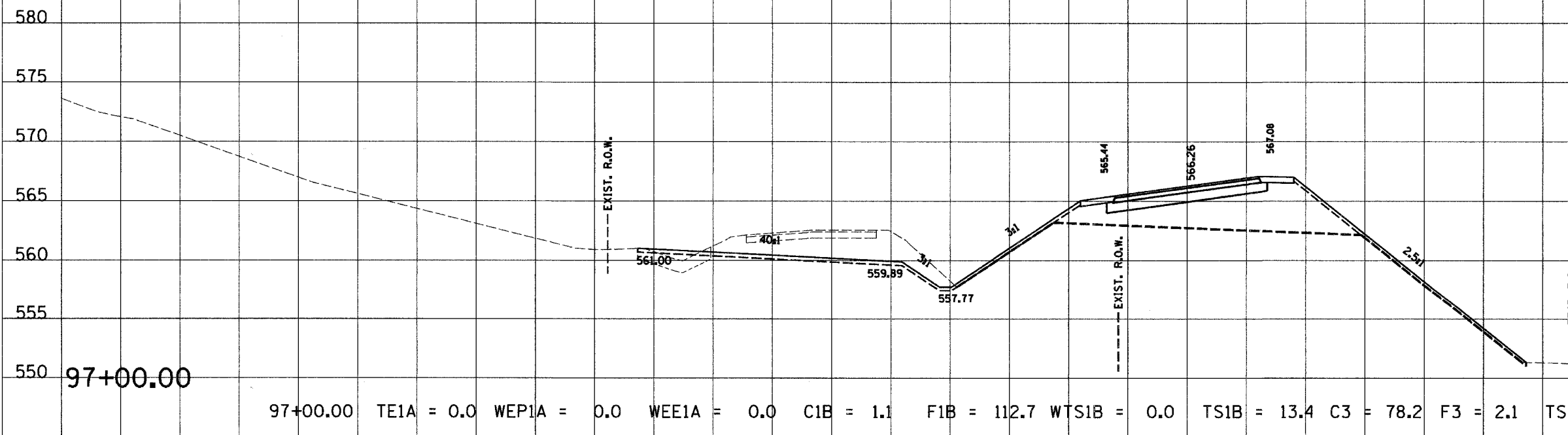
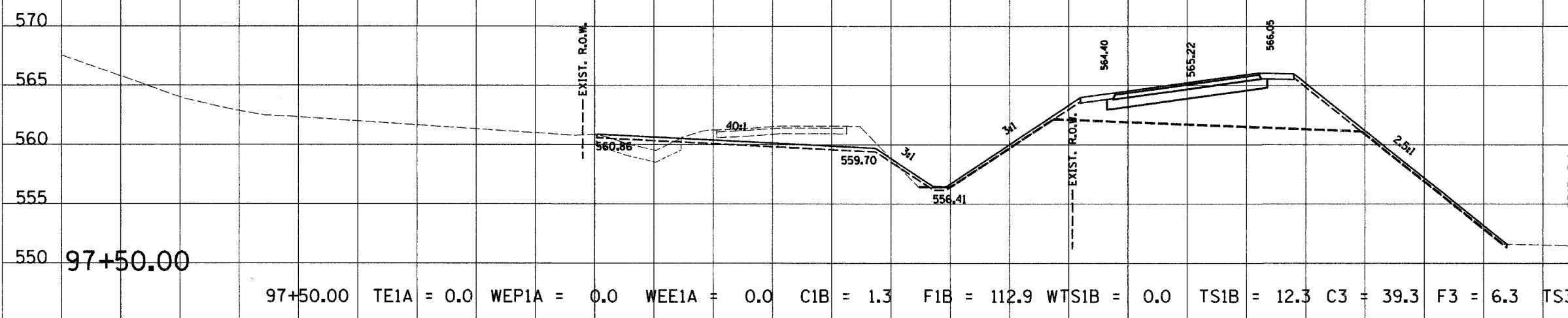
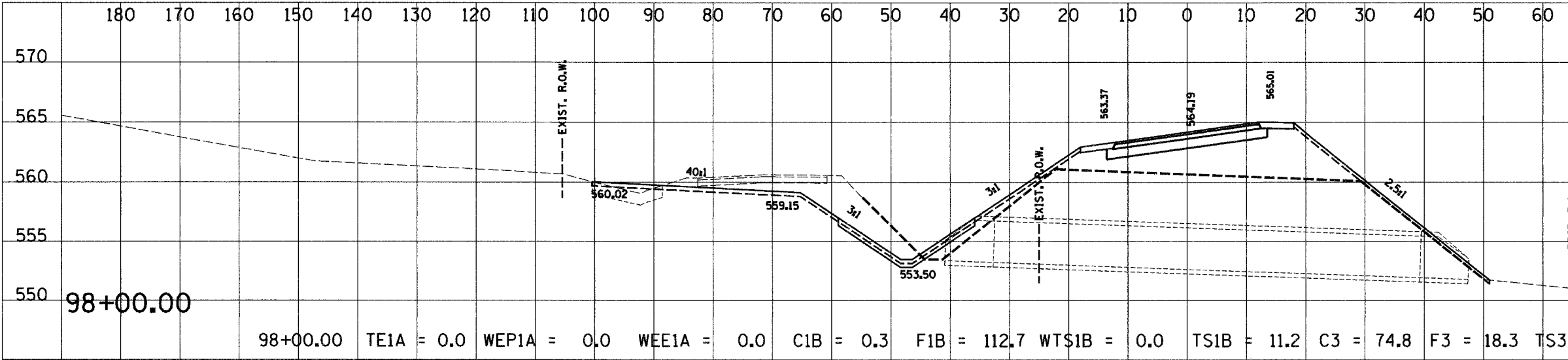


C.H. 14

180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100

RTE. NO.	SECTION NO.	COUNTY	TOTAL SHTS.	SHEET NO.
FAS 209 C.H. 14	00-00091-00-BR	MERCER	111	73
STA. 87+00.00		TO STA. 87+50.00		
FED. ROAD DIST. NO.		ILLINOIS PROJECT		

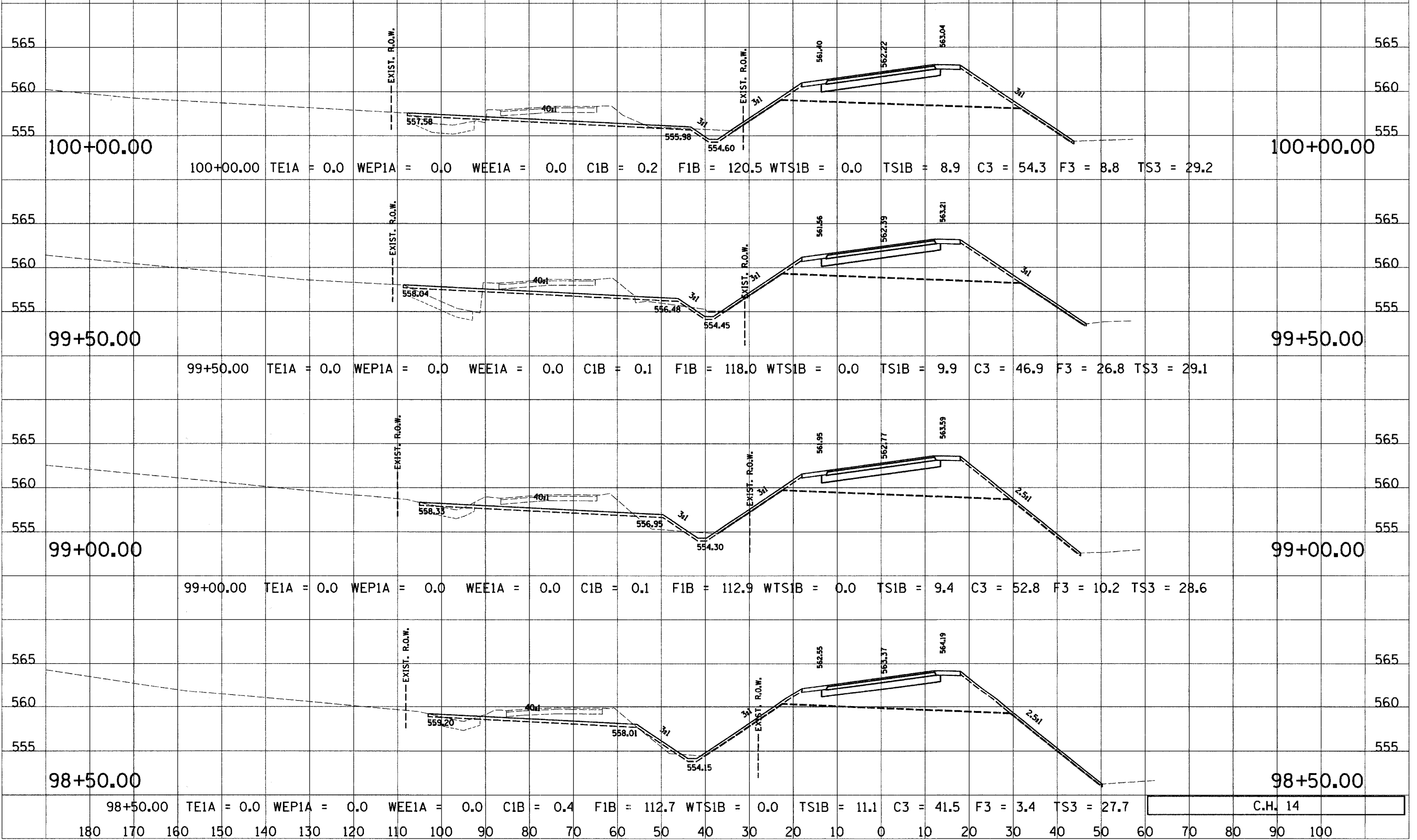
CONTRACT NO. 89312
 SCALE
 HORZ. 1"=10'
 VERT. 1"=5'



C.H. 14

180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60

RTE. NO. FAS 209 C.H. 14	SECTION NO. 00-00091-00-BR	COUNTY MERCER	TOTAL SHTS. 111	SHEET NO. 74
STA. 87+00.00		TO STA. 87+50.00		
FED. ROAD DIST. NO.		ILLINOIS PROJECT		
CONTRACT NO. 89312		SCALE HORZ. 1"=10' VERT. 1"=5'		



C.H. 14

180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100

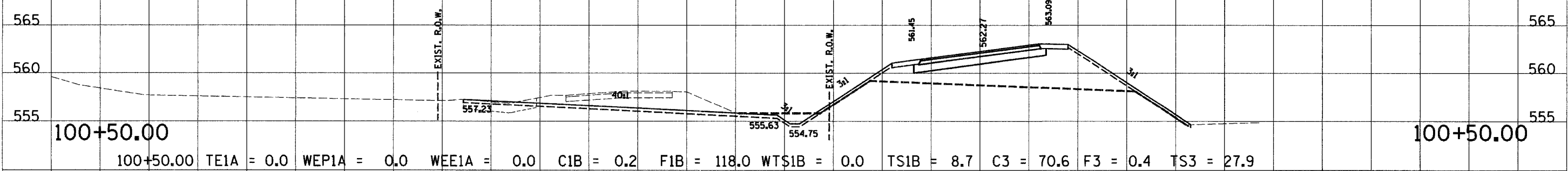
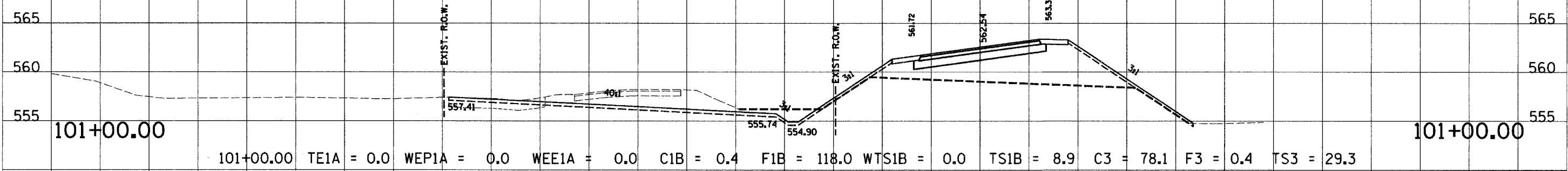
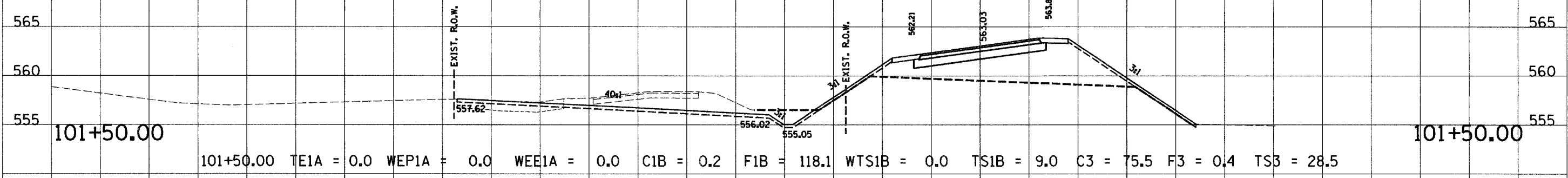
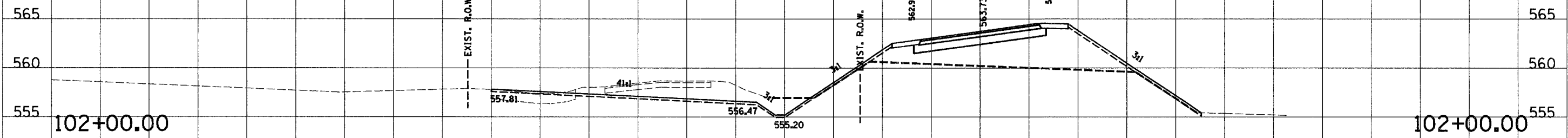
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RTE. NO. SECTION NO. COUNTY TOTAL SHTS. SHEET NO.
FAS 209 00-00091-00-BR MERCER III 75
C.H. 14

STA. 87+00.00 TO STA. 87+50.00
FED. ROAD DIST. NO. ILLINOIS PROJECT

CONTRACT NO. 89312

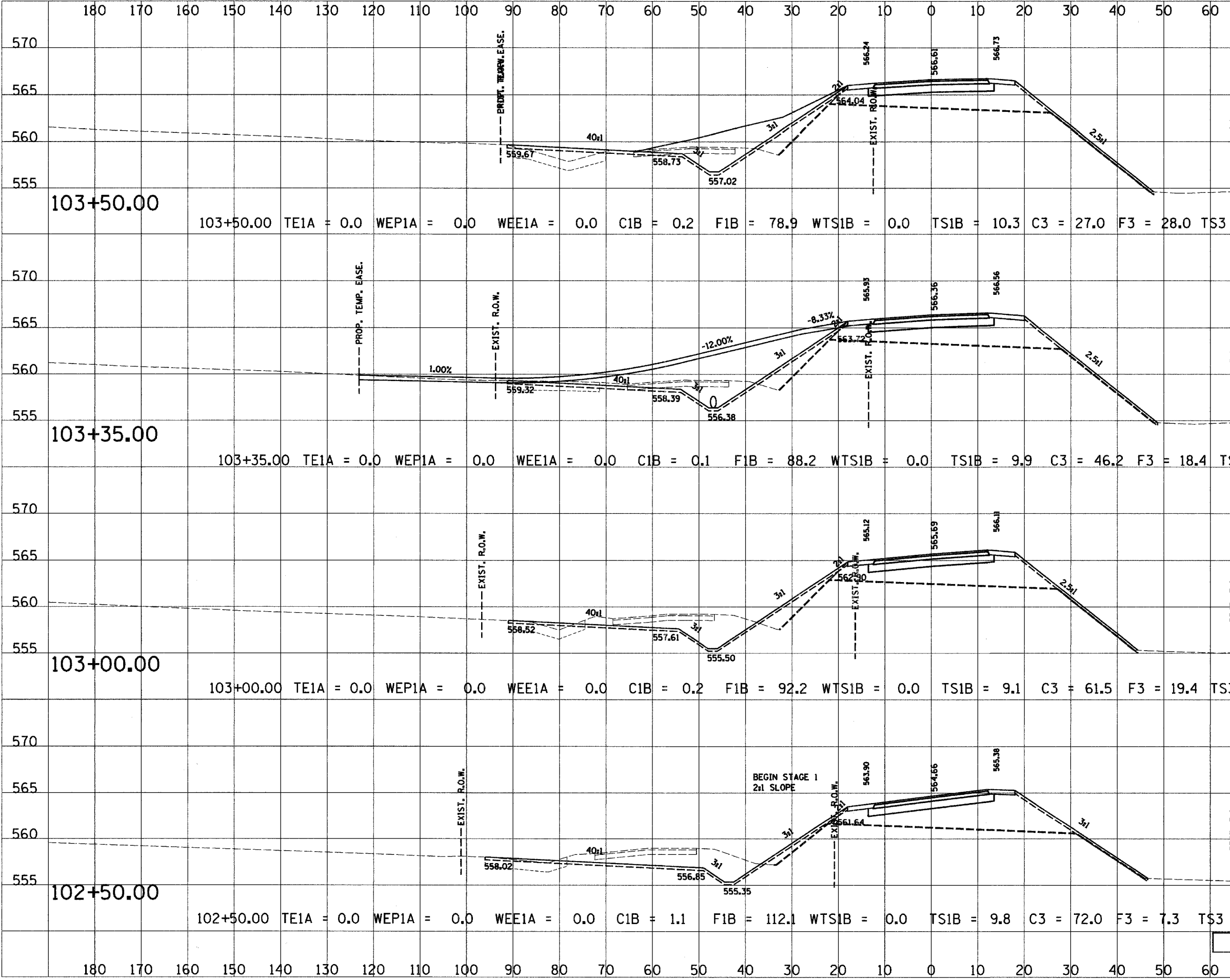
SCALE
HORIZ. 1"=10'
VERT. 1"=5'



180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100

C.H. 14

RTE. NO.	SECTION NO.	COUNTY	TOTAL SHTS.	SHEET NO.
FA 209 C.H. 14	00-0091-00-BR	MERCER	111	76
STA. 87+00.00		TO STA. 87+50.00		
FED. ROAD DIST. NO.		ILLINOIS PROJECT		
CONTRACT NO. 89312		SCALE HORZ. 1"=10' VERT. 1"=5'		



103+50.00

103+50.00 TE1A = 0.0 WEP1A = 0.0 WEE1A = 0.0 C1B = 0.2 F1B = 78.9 WTS1B = 0.0 TS1B = 10.3 C3 = 27.0 F3 = 28.0 TS3 = 24.0

103+50.00

103+35.00

103+35.00 TE1A = 0.0 WEP1A = 0.0 WEE1A = 0.0 C1B = 0.1 F1B = 88.2 WTS1B = 0.0 TS1B = 9.9 C3 = 46.2 F3 = 18.4 TS3 = 24.0

103+35.00

103+00.00

103+00.00 TE1A = 0.0 WEP1A = 0.0 WEE1A = 0.0 C1B = 0.2 F1B = 92.2 WTS1B = 0.0 TS1B = 9.1 C3 = 61.5 F3 = 19.4 TS3 = 20.8

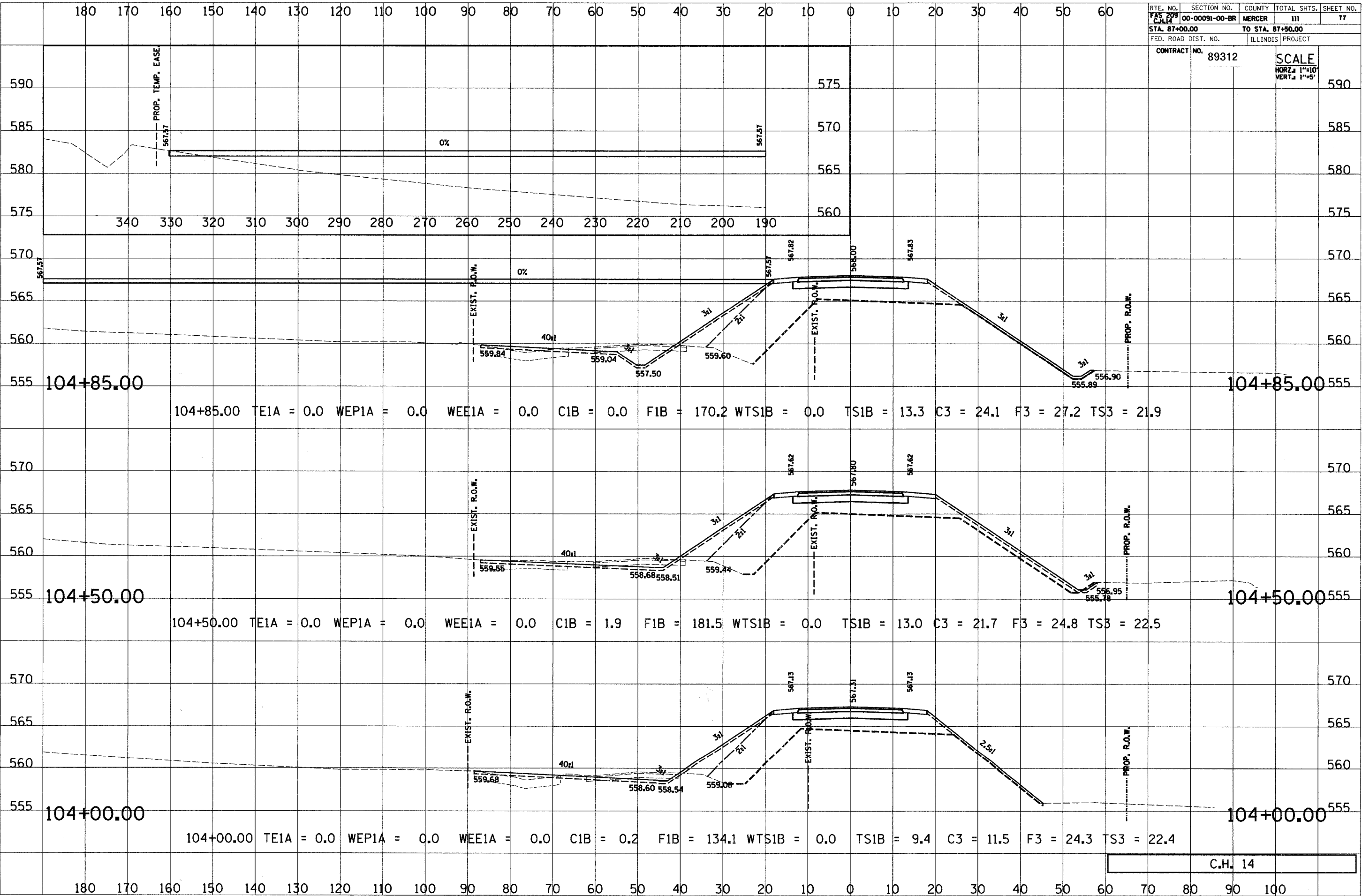
103+00.00

102+50.00

102+50.00 TE1A = 0.0 WEP1A = 0.0 WEE1A = 0.0 C1B = 1.1 F1B = 112.1 WTS1B = 0.0 TS1B = 9.8 C3 = 72.0 F3 = 7.3 TS3 = 23.0

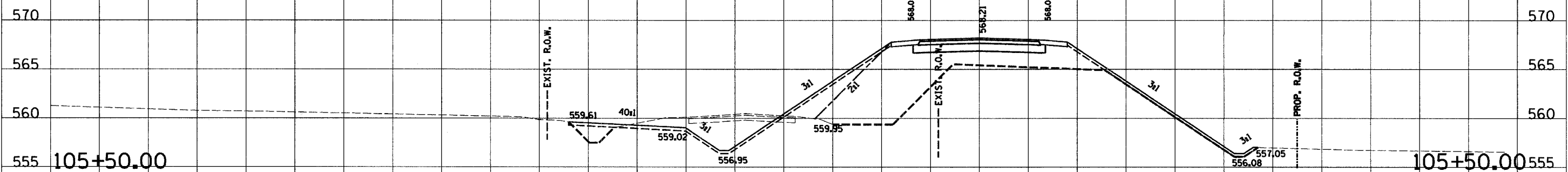
102+50.00

C.H. 14

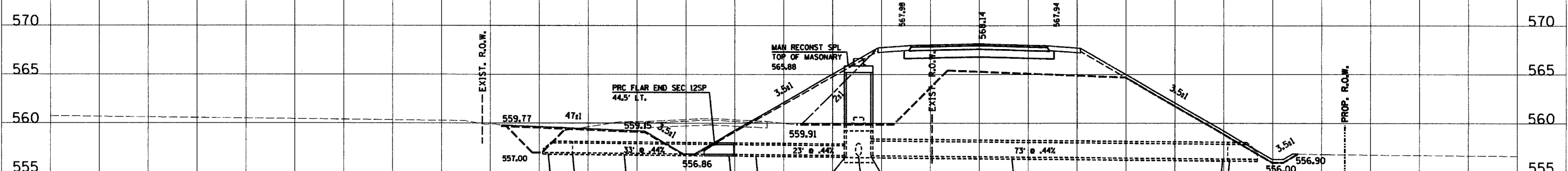


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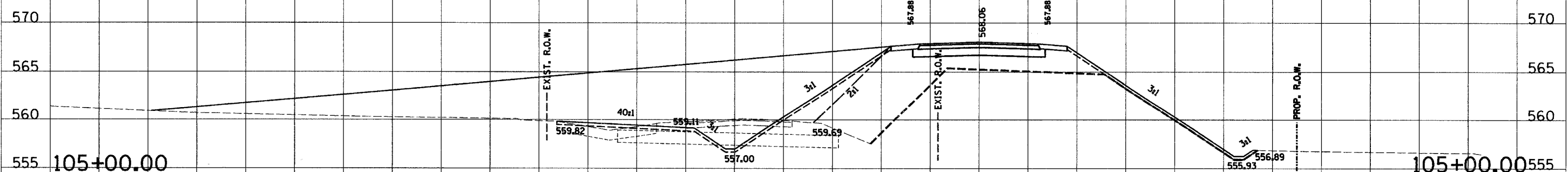
RTE. NO. FAS 209 C.H. 14	SECTION NO. 00-00091-00-BR	COUNTY MERCER	TOTAL SHTS. 111	SHEET NO. 78
STA. 87+00.00		TO STA. 87+50.00		
FED. ROAD DIST. NO.		ILLINOIS PROJECT		
CONTRACT NO. 89312		SCALE HORIZ. 1"=10' VERT. 1"=5'		



105+50.00 TE1A = 0.0 WEP1A = 0.0 WEE1A = 0.0 C1B = 0.0 F1B = 174.3 WTS1B = 0.0 TS1B = 13.2 C3 = 49.5 F3 = 33.0 TS3 = 21.1



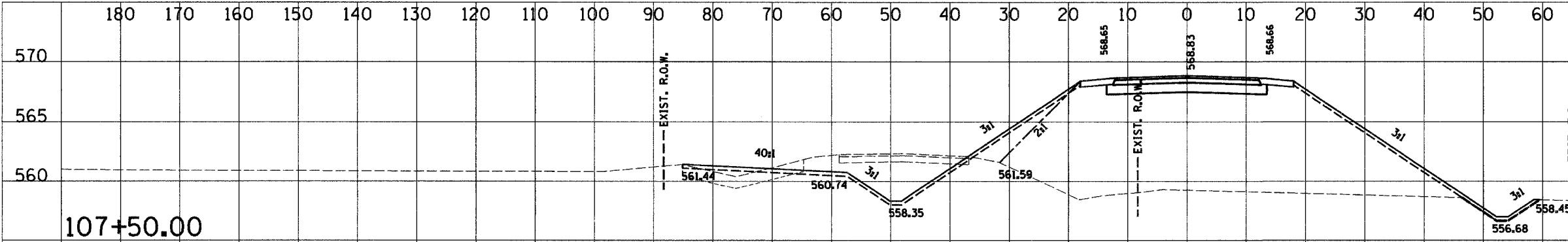
105+25.00 TE1A = 0.0 WEP1A = 0.0 WEE1A = 0.0 C1B = 0.0 F1B = 188.7 WTS1B = 0.0 TS1B = 14.9 C3 = 46.6 F3 = 56.4 TS3 = 12.3



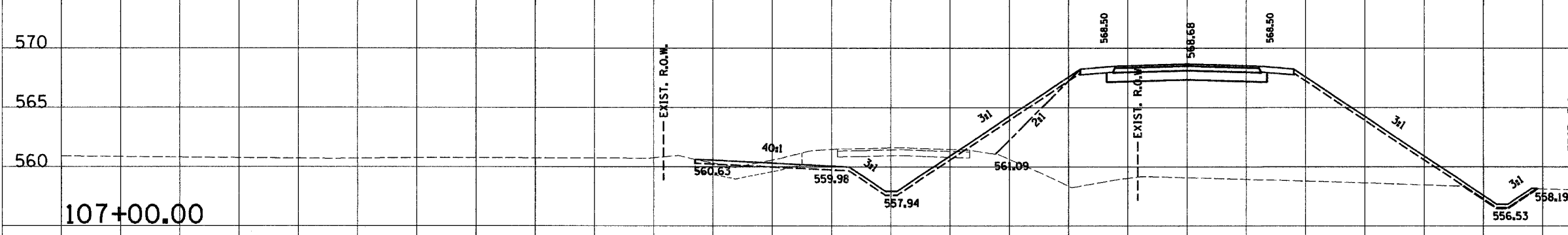
105+00.00 TE1A = 0.0 WEP1A = 0.0 WEE1A = 0.0 C1B = 0.0 F1B = 177.0 WTS1B = 0.0 TS1B = 13.2 C3 = 34.3 F3 = 26.6 TS3 = 22.3

C.H. 14

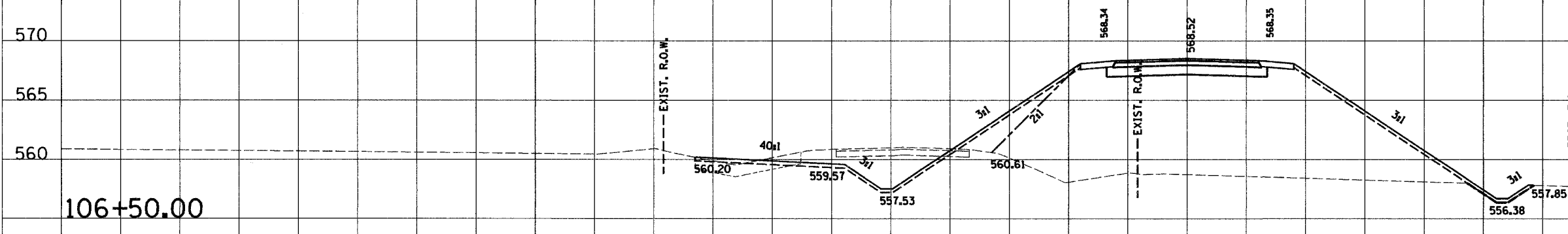
180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100



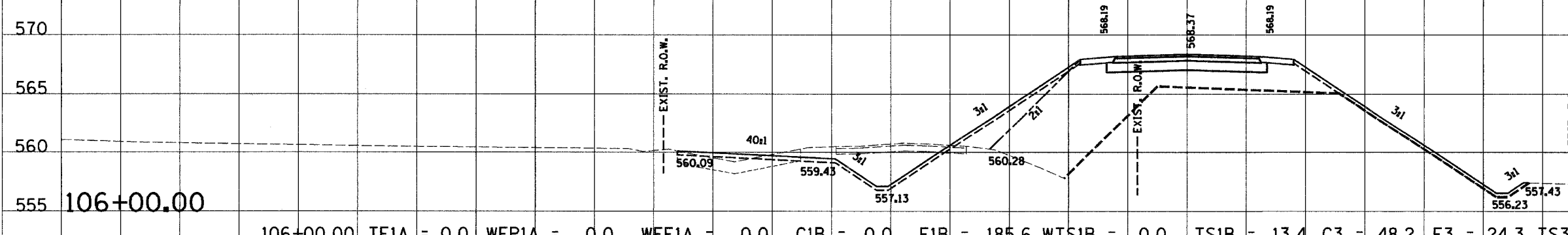
107+50.00 TE1A = 0.0 WEP1A = 0.0 WEE1A = 0.0 C1B = 0.0 F1B = 502. WTS1B = 0.0 TS1B = 14.0 C3 = 59.9 F3 = 18.0 TS3 = 21.6



107+00.00 TE1A = 0.0 WEP1A = 0.0 WEE1A = 0.0 C1B = 0.0 F1B = 507.1 WTS1B = 0.0 TS1B = 13.9 C3 = 55.9 F3 = 19.2 TS3 = 21.3



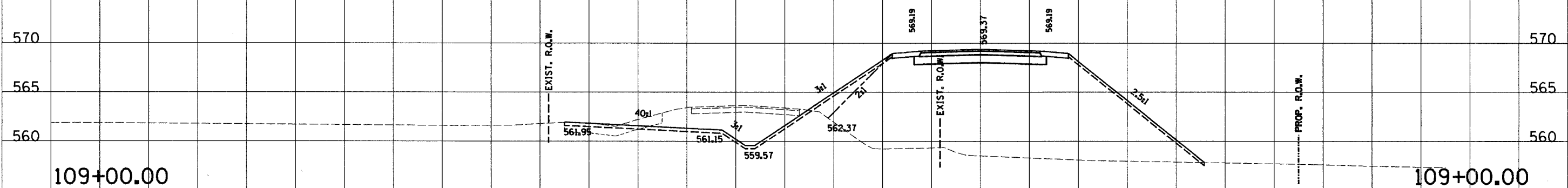
106+50.00 TE1A = 0.0 WEP1A = 0.0 WEE1A = 0.0 C1B = 0.0 F1B = 522.7 WTS1B = 0.0 TS1B = 13.7 C3 = 49.9 F3 = 22.3 TS3 = 20.5



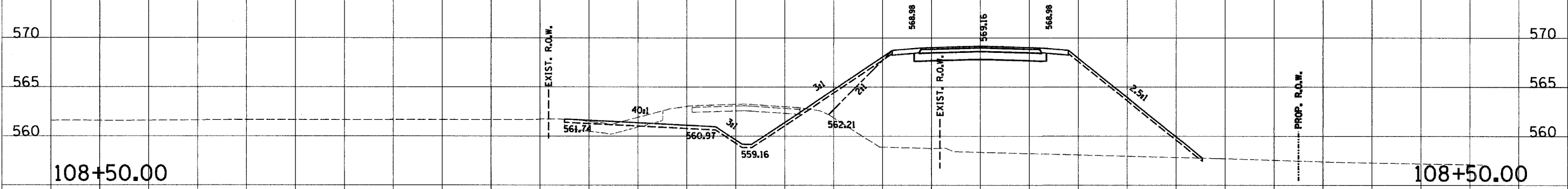
106+00.00 TE1A = 0.0 WEP1A = 0.0 WEE1A = 0.0 C1B = 0.0 F1B = 185.6 WTS1B = 0.0 TS1B = 13.4 C3 = 48.2 F3 = 24.3 TS3 = 22.0

180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60

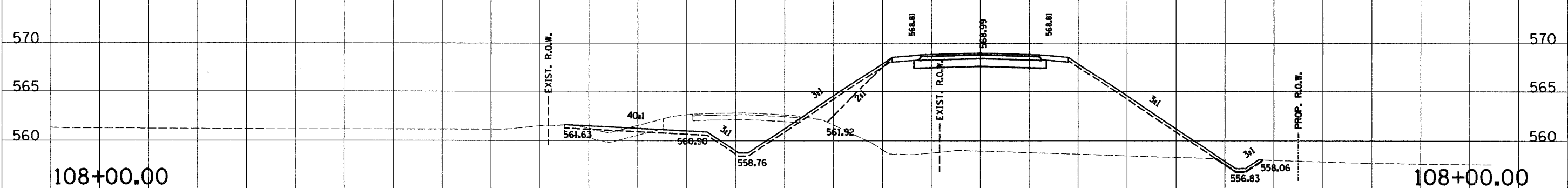
RTE. NO. FAS 209 C.H. 14	SECTION NO. 00-00091-00-BR	COUNTY MERCER	TOTAL SHTS. 111	SHEET NO. 80
STA. 87+00.00		TO STA. 87+50.00		
FED. ROAD DIST. NO.		ILLINOIS PROJECT		
CONTRACT NO. 89312		SCALE HORIZ. 1"=10' VERT. 1"=5'		



109+00.00 TE1A = 0.0 WEP1A = 0.0 WEE1A = 0.0 C1B = 0.1 F1B = 549. WTS1B = 0.0 TS1B = 9.6 C3 = 79.0 F3 = 13.0 TS3 = 22.0



108+50.00 TE1A = 0.0 WEP1A = 0.0 WEE1A = 0.0 C1B = 0.1 F1B = 543.3 WTS1B = 0.0 TS1B = 9.5 C3 = 75.1 F3 = 13.4 TS3 = 22.0



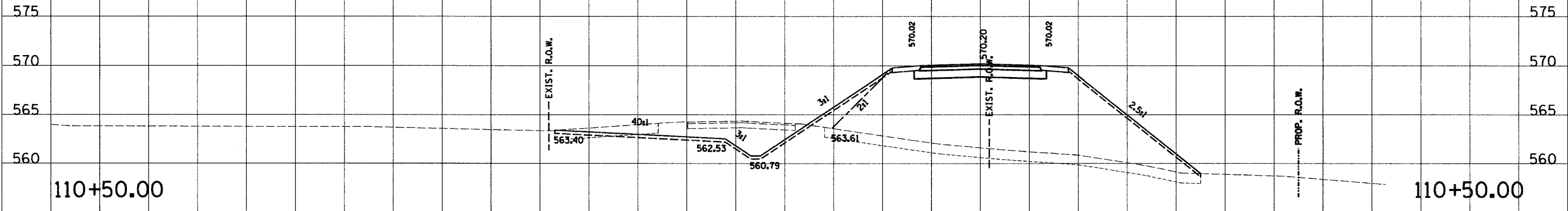
108+00.00 TE1A = 0.0 WEP1A = 0.0 WEE1A = 0.0 C1B = 0.0 F1B = 529. WTS1B = 0.0 TS1B = 13.5 C3 = 68.0 F3 = 15.0 TS3 = 22.0

C.H. 14

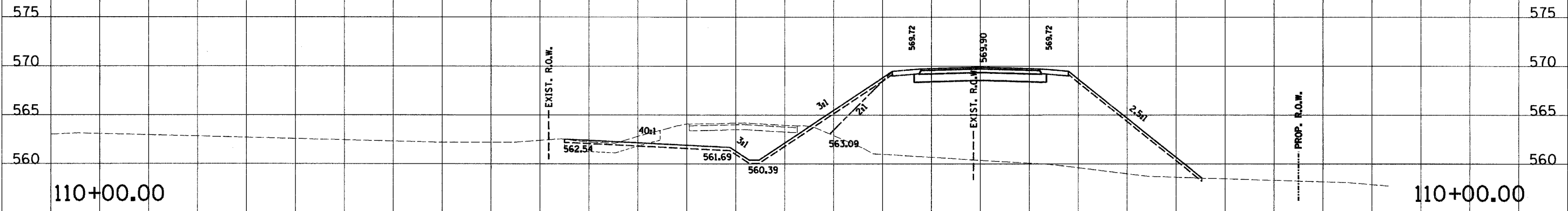
180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100

180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60

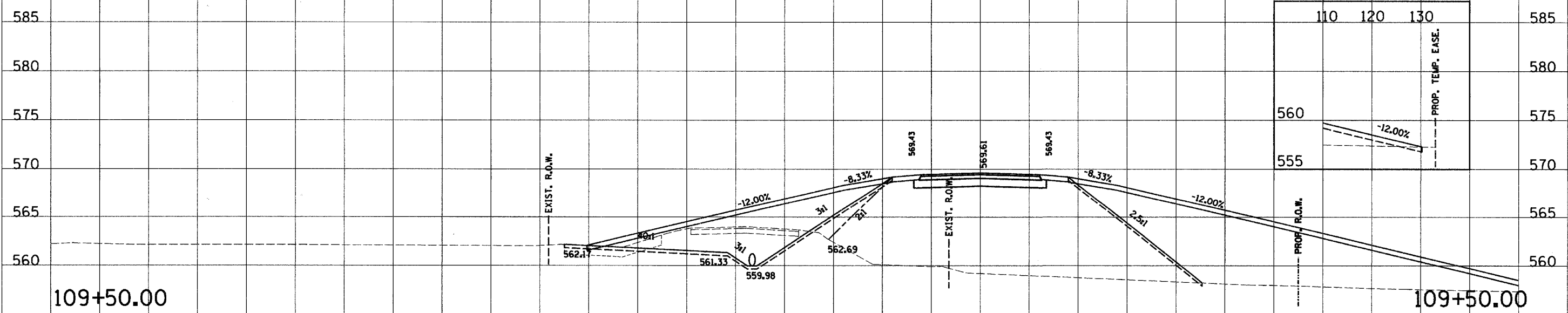
RTE. NO. FAS 209 C.H. 14	SECTION NO. 00-00091-00-BR	COUNTY MERCER	TOTAL SHTS. 111	SHEET NO. 81
STA. 87+00.00		TO STA. 87+50.00		
FED. ROAD DIST. NO.		ILLINOIS PROJECT		
CONTRACT NO. 89312		SCALE HORZ. 1"=10' VERT. 1"=5'		



110+50.00 TE1A = 76.9 WEP1A = 0.0 WEE1A = 0.0 C1B = 0.0 F1B = 491.1 WTS1B = 0.0 TS1B = 9.3 C3 = 74.3 F3 = 13.2 TS3 = 22.3



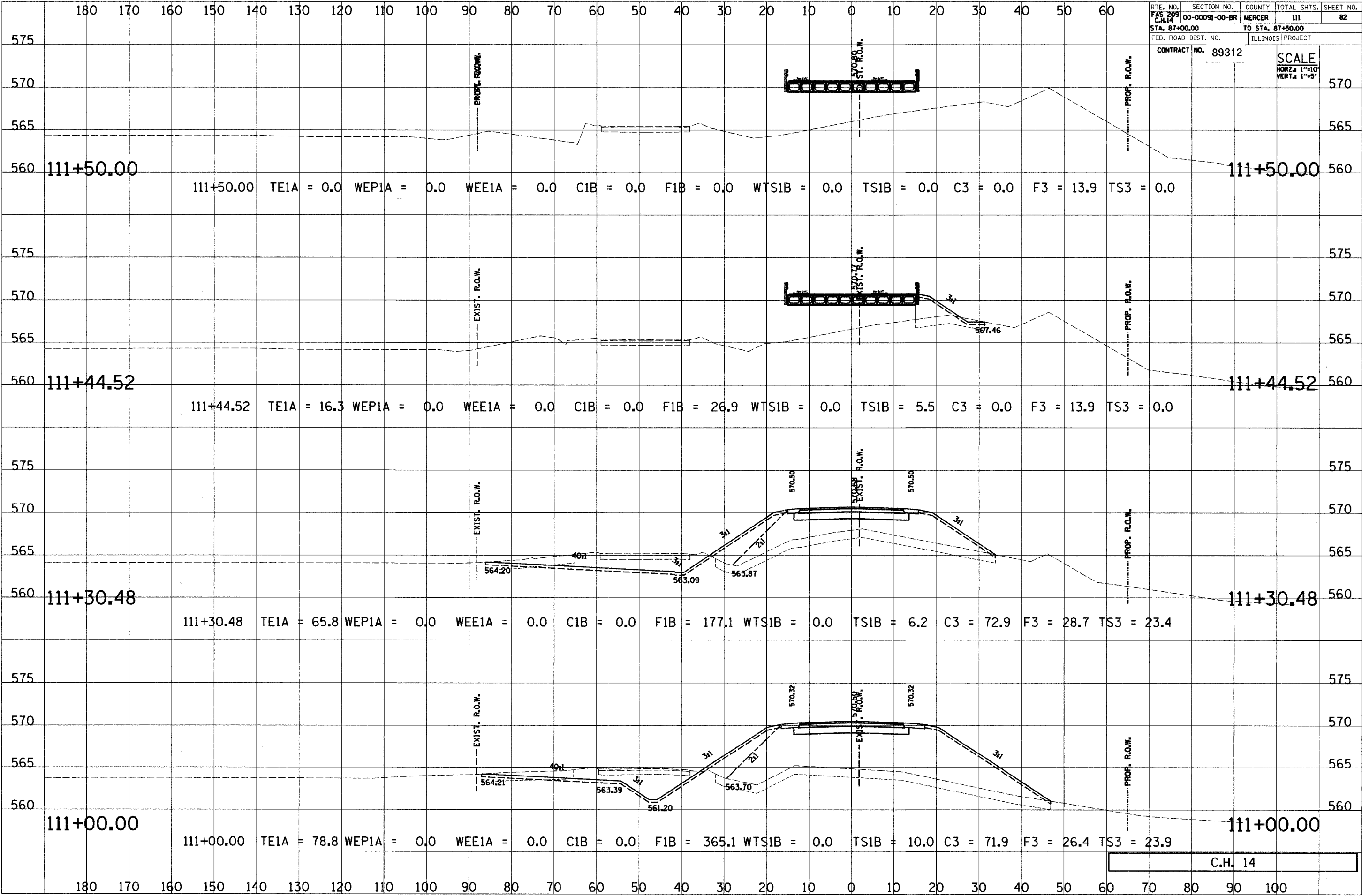
110+00.00 TE1A = 0.0 WEP1A = 0.0 WEE1A = 0.0 C1B = 0.1 F1B = 481.6 WTS1B = 0.0 TS1B = 9.4 C3 = 76.3 F3 = 12.6 TS3 = 22.0



109+50.00 TE1A = 0.0 WEP1A = 0.0 WEE1A = 0.0 C1B = 0.1 F1B = 519.1 WTS1B = 0.0 TS1B = 9.5 C3 = 81.1 F3 = 12.6 TS3 = 22.0

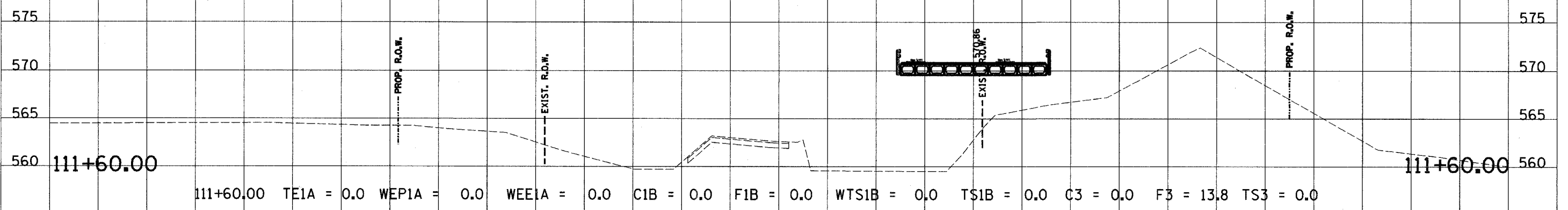
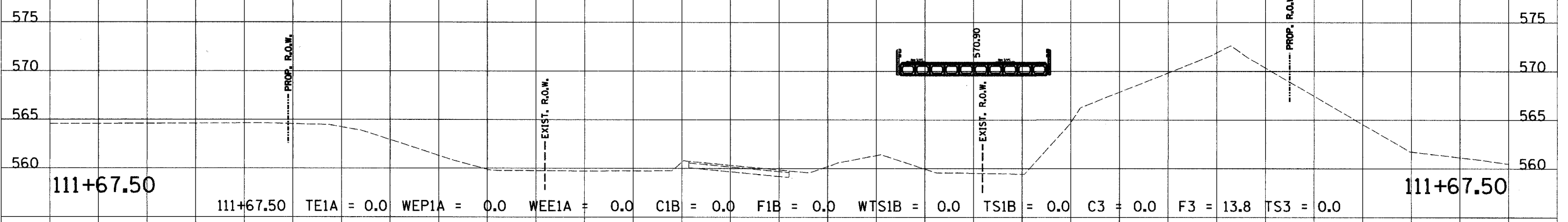
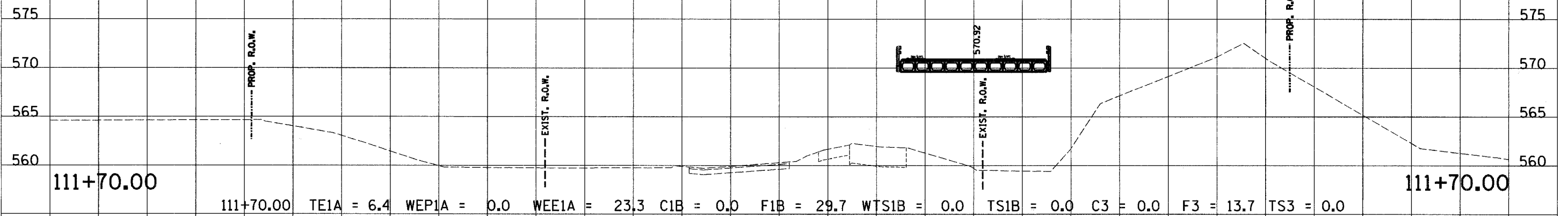
180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100

C.H. 14



180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60

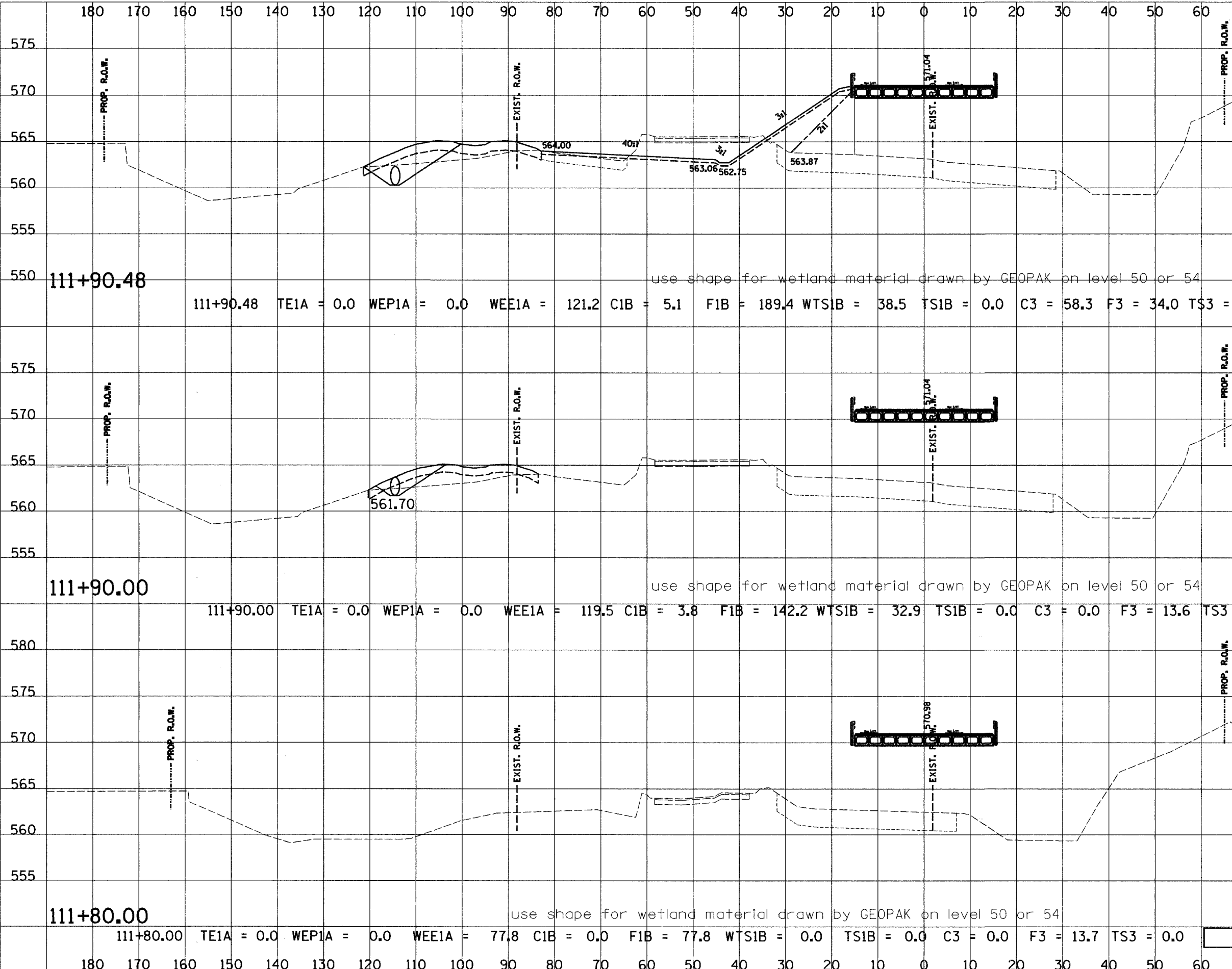
RTE. NO.	SECTION NO.	COUNTY	TOTAL SHTS.	SHEET NO.
FAS 209 C.H. 14	00-00091-00-BR	MERCER	111	83
STA. 87+00.00		TO STA. 87+50.00		
FED. ROAD DIST. NO.		ILLINOIS PROJECT		
CONTRACT NO. 89312		SCALE HORZ. 1"=10' VERT. 1"=5'		



C.H. 14

180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100

RTE. NO.	SECTION NO.	COUNTY	TOTAL SHTS.	SHEET NO.
FAS 209 C.H. 14	00-00091-00-BR	MERCER	111	84
STA. 87+00.00		TO STA. 87+50.00		
FED. ROAD DIST. NO.		ILLINOIS PROJECT		
CONTRACT NO. 89312		SCALE HORZ. 1"=10' VERT. 1"=5'		



111+90.48

111+90.48 TE1A = 0.0 WEPIA = 0.0 WEE1A = 121.2 C1B = 5.1 F1B = 189.4 WTS1B = 38.5 TS1B = 0.0 C3 = 58.3 F3 = 34.0 TS3 = 23.1

111+90.48

111+90.00

111+90.00 TE1A = 0.0 WEPIA = 0.0 WEE1A = 119.5 C1B = 3.8 F1B = 142.2 WTS1B = 32.9 TS1B = 0.0 C3 = 0.0 F3 = 13.6 TS3 = 0.0

111+90.00

111+80.00

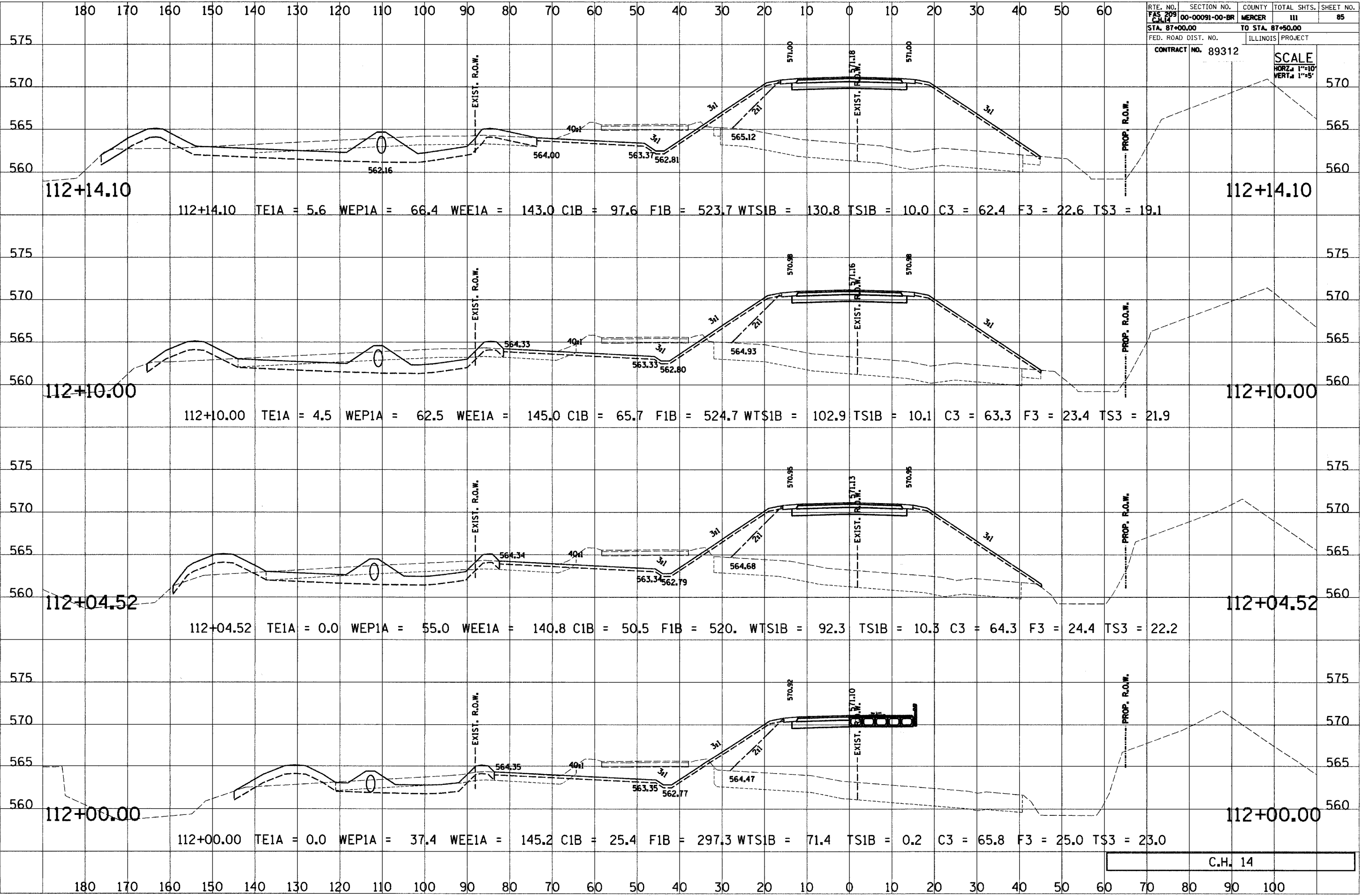
111+80.00 TE1A = 0.0 WEPIA = 0.0 WEE1A = 77.8 C1B = 0.0 F1B = 77.8 WTS1B = 0.0 TS1B = 0.0 C3 = 0.0 F3 = 13.7 TS3 = 0.0

111+80.00

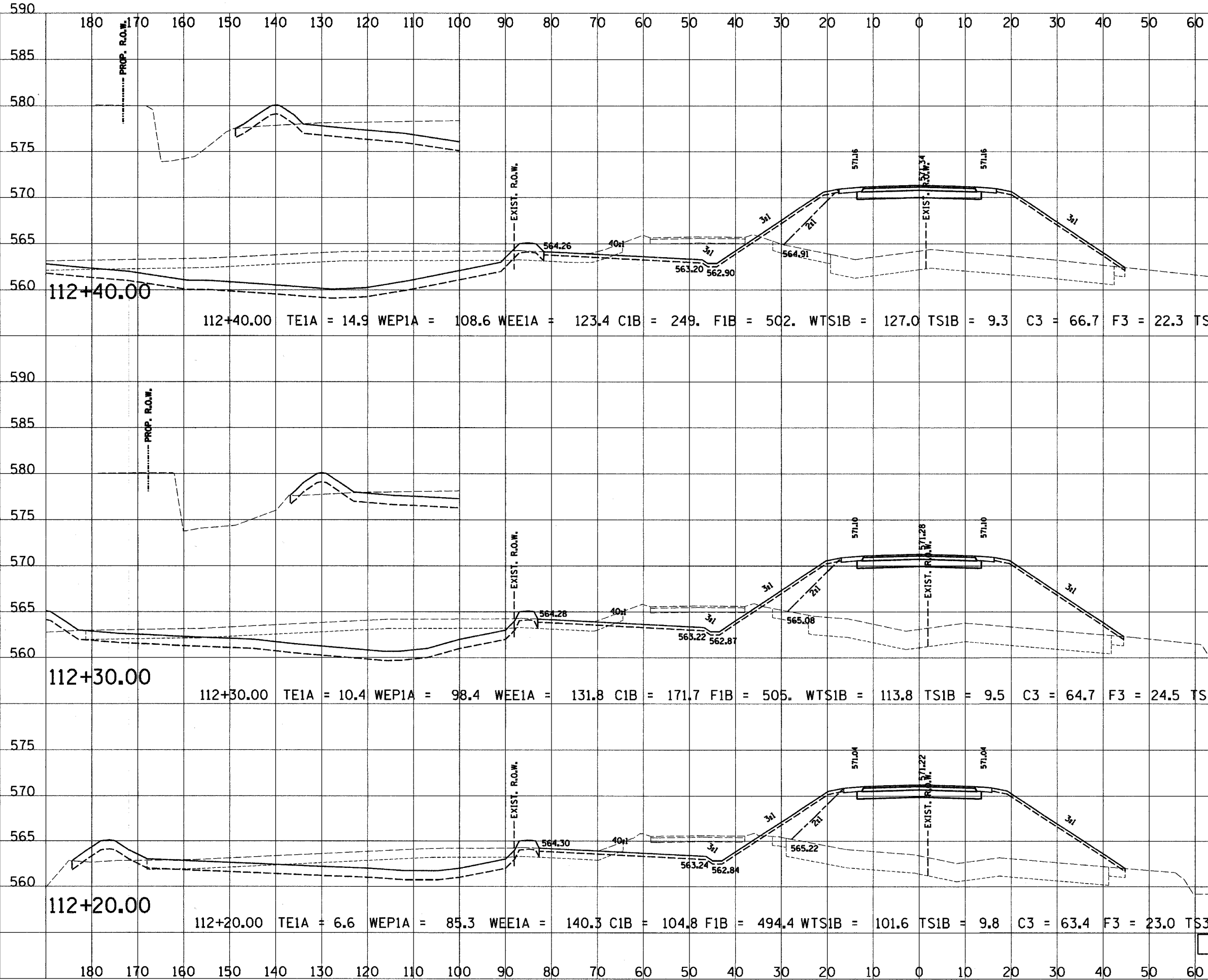
C.H. 14

RTE. NO.	SECTION NO.	COUNTY	TOTAL SHTS.	SHEET NO.
FAS 209 C.H. 14	00-00091-00-BR	MERCER	111	85
STA. 87+00.00		TO STA. 87+50.00		
FED. ROAD DIST. NO.		ILLINOIS PROJECT		
CONTRACT NO. 89312				

SCALE
 HORZ. 1"=10'
 VERT. 1"=5'



C.H. 14



RTE. NO.	SECTION NO.	COUNTY	TOTAL SHTS.	SHEET NO.
FAS 209 C.H. 14	00-00091-00-BR	MERCER	111	86
STA. 87+00.00		TO STA. 87+50.00		
FED. ROAD DIST. NO.		ILLINOIS PROJECT		
CONTRACT NO. 89312		SCALE		
		HORZ. 1"=10'		
		VERT. 1"=5'		

112+40.00

112+40.00 TE1A = 14.9 WEP1A = 108.6 WEE1A = 123.4 C1B = 249. F1B = 502. WTS1B = 127.0 TS1B = 9.3 C3 = 66.7 F3 = 22.3 TS3 = 21.6

112+40.00

112+30.00

112+30.00 TE1A = 10.4 WEP1A = 98.4 WEE1A = 131.8 C1B = 171.7 F1B = 505. WTS1B = 113.8 TS1B = 9.5 C3 = 64.7 F3 = 24.5 TS3 = 22.1

112+30.00

112+20.00

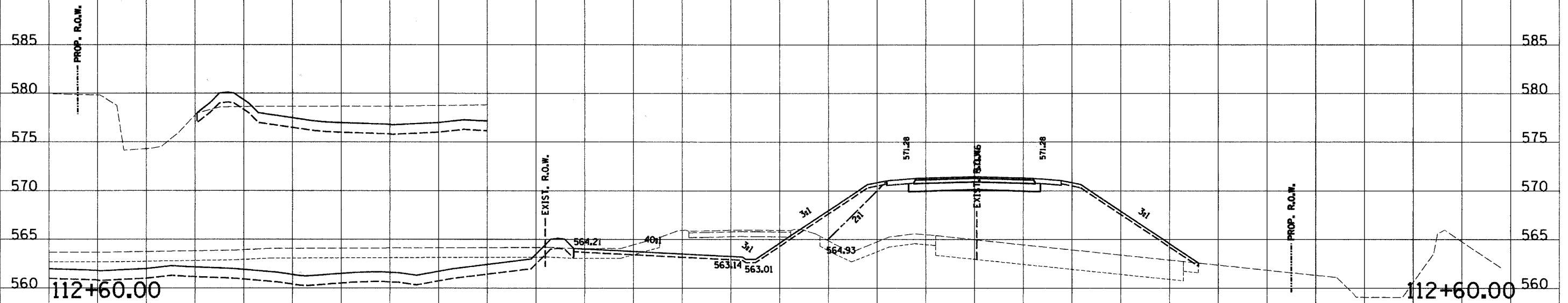
112+20.00 TE1A = 6.6 WEP1A = 85.3 WEE1A = 140.3 C1B = 104.8 F1B = 494.4 WTS1B = 101.6 TS1B = 9.8 C3 = 63.4 F3 = 23.0 TS3 = 22.1

112+20.00

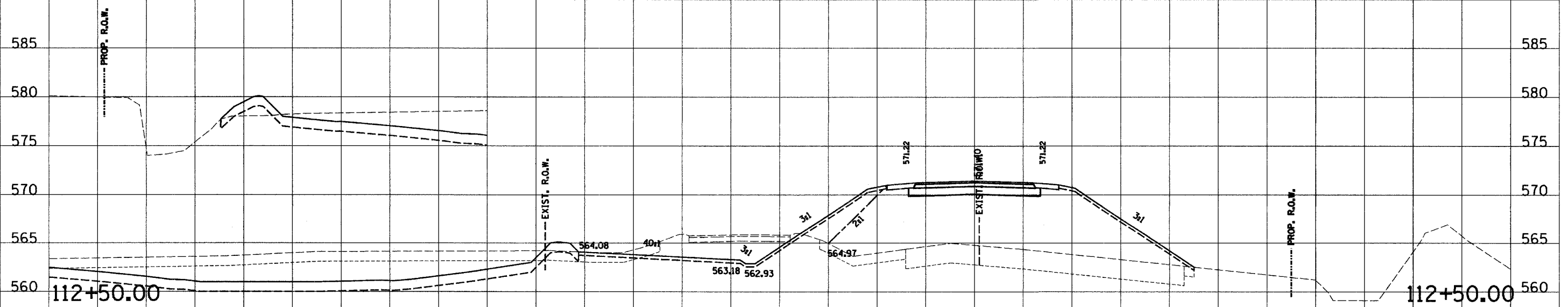
C.H. 14

180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60

RTE. NO. FAS 209 C.H. 14	SECTION NO. 00-00091-00-BR	COUNTY MERCER	TOTAL SHTS. 111	SHEET NO. 87
STA. 87+00.00		TO STA. 87+50.00		
FED. ROAD DIST. NO.		ILLINOIS PROJECT		
CONTRACT NO. 89312				SCALE HORZ. 1"=10' VERT. 1"=5'



112+60.00 TE1A = 25.3 WEP1A = 125.0 WEE1A = 101.6 C1B = 235.7 F1B = 461.7 WTS1B = 137.3 TS1B = 9.5 C3 = 72.2 F3 = 24.9 TS3 = 21.3



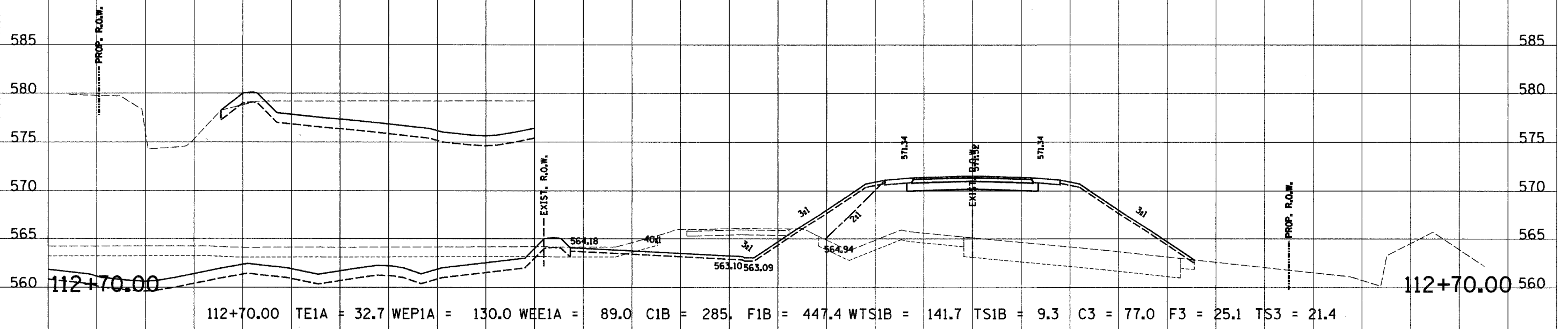
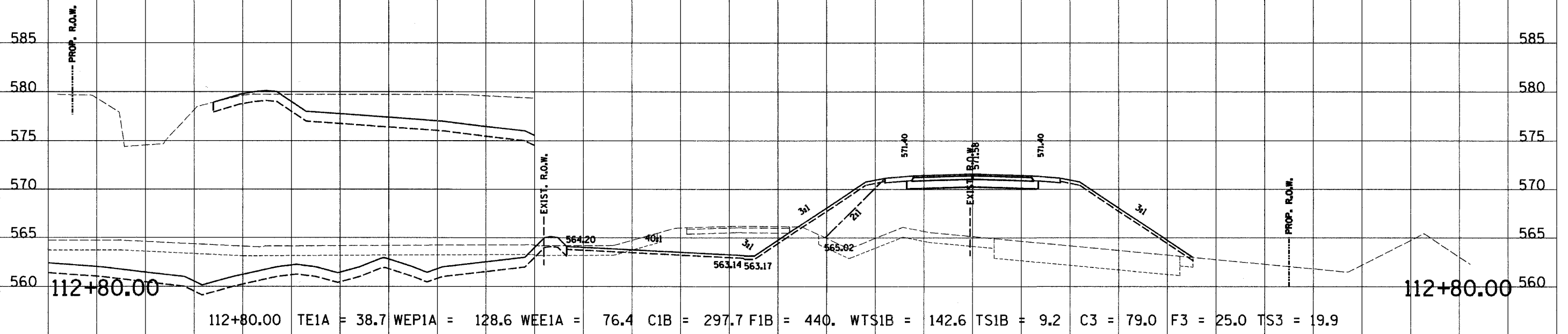
112+50.00 TE1A = 19.8 WEP1A = 120.8 WEE1A = 114.2 C1B = 242.8 F1B = 481.6 WTS1B = 133.4 TS1B = 9.4 C3 = 67.8 F3 = 25.1 TS3 = 21.1

C.H. 14

180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100

180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60

RTE. NO.	SECTION NO.	COUNTY	TOTAL SHTS.	SHEET NO.
FAS 209 C.H. 14	00-00091-00-BR	MERCER	111	88
STA. 87+00.00		TO STA. 87+50.00		
FED. ROAD DIST. NO.		ILLINOIS PROJECT		
CONTRACT NO. 89312		SCALE		
		HORZ. 1"=10'		
		VERT. 1"=5'		

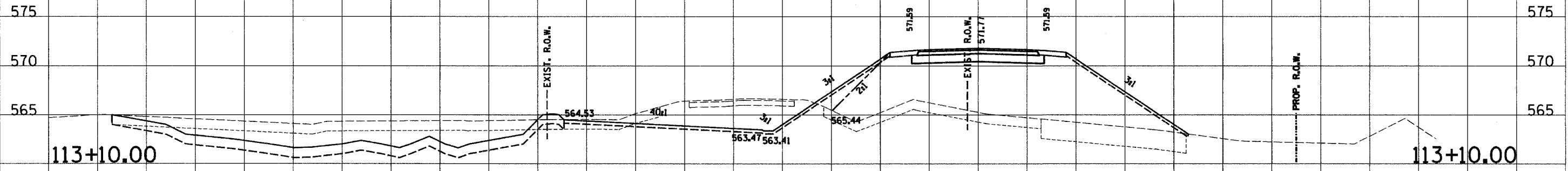


C.H. 14

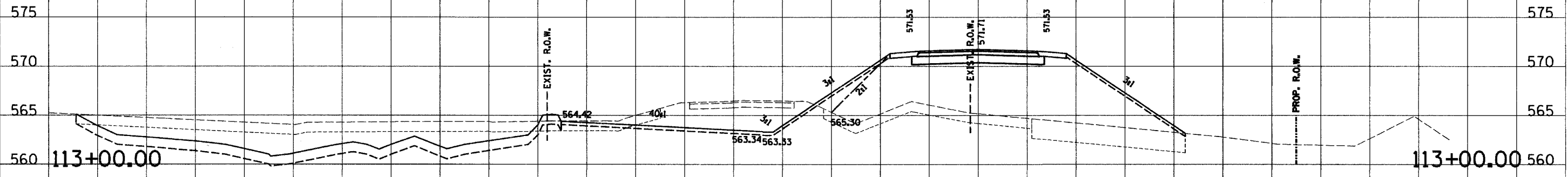
180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100

180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60

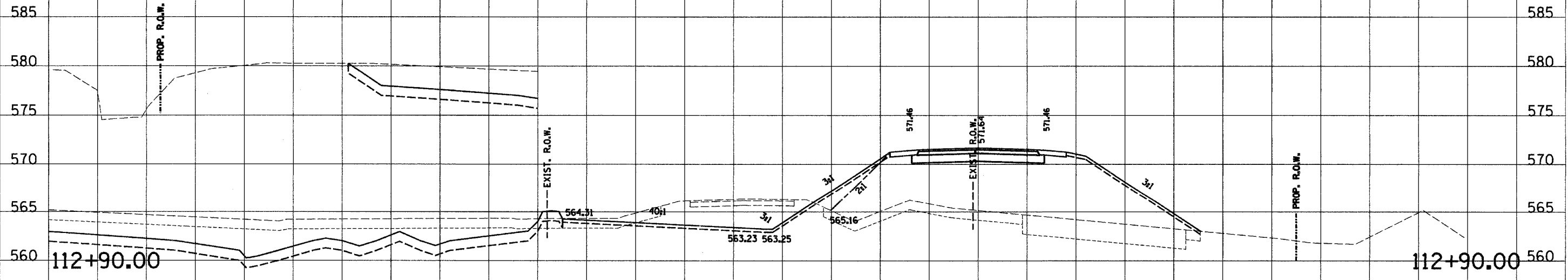
RTE. NO. FAS 209 C.H. 14	SECTION NO. 00-00091-00-BR	COUNTY MERCER	TOTAL SHTS. 111	SHEET NO. 89
STA. 87+00.00		TO STA. 87+50.00		
FED. ROAD DIST. NO.		ILLINOIS PROJECT		
CONTRACT NO. 89312		SCALE HORZ. 1"=10' VERT. 1"=5'		



113+10.00 TE1A = 44.5 WEP1A = 92.4 WEE1A = 59.2 C1B = 160.8 F1B = 407. WTS1B = 92.4 TS1B = 8.6 C3 = 92.5 F3 = 11.6 TS3 = 21.4



113+00.00 TE1A = 42.5 WEP1A = 99.3 WEE1A = 62.7 C1B = 204.1 F1B = 410.1 WTS1B = 99.2 TS1B = 8.4 C3 = 92.6 F3 = 11.6 TS3 = 22.1



112+90.00 TE1A = 43.7 WEP1A = 113.9 WEE1A = 66.8 C1B = 251.2 F1B = 437.3 WTS1B = 113.8 TS1B = 9.5 C3 = 91.3 F3 = 11.8 TS3 = 21.9

C.H. 14

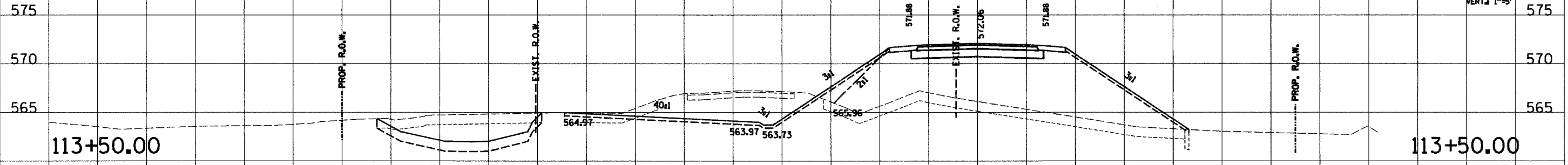
180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100

180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60

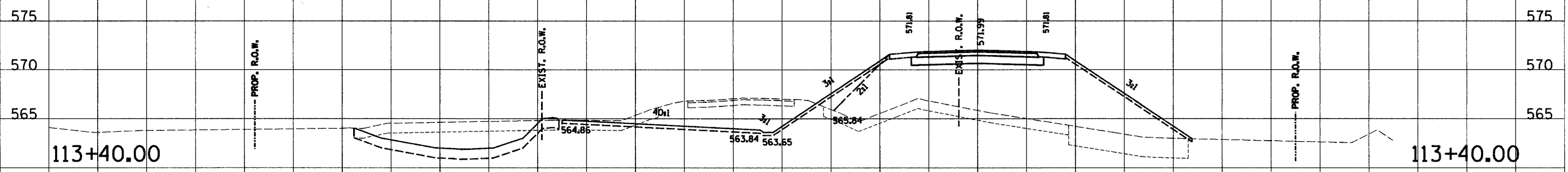
RTE. NO.	SECTION NO.	COUNTY	TOTAL SHTS.	SHEET NO.
FAS 209 C.H. 14	00-00091-00-BR	MERCER	III	90
STA. 87+00.00		TO STA. 87+50.00		
FED. ROAD DIST. NO.		ILLINOIS PROJECT		

CONTRACT NO. 89312

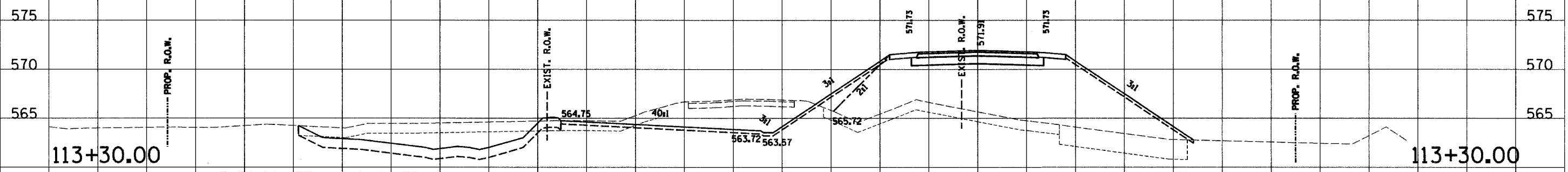
SCALE
HORZ. 1"=10'
VERT. 1"=5'



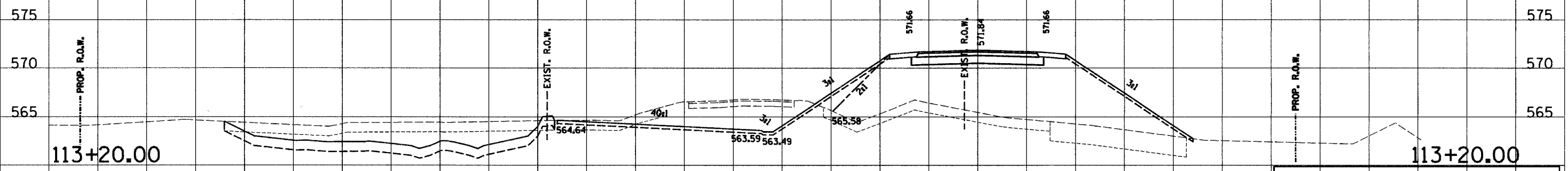
113+50.00 TE1A = 73.8 WEP1A = 33.8 WEE1A = 1.8 C1B = 68.3 F1B = 367. WTS1B = 33.8 TS1B = 8.8 C3 = 94.3 F3 = 11.1 TS3 = 21.3



113+40.00 TE1A = 50. WEP1A = 41.9 WEE1A = 48.9 C1B = 76.1 F1B = 403. WTS1B = 41.9 TS1B = 8.9 C3 = 94.1 F3 = 11.2 TS3 = 21.5



113+30.00 TE1A = 48.2 WEP1A = 53.7 WEE1A = 52.4 C1B = 91.4 F1B = 410.3 WTS1B = 53.7 TS1B = 9.0 C3 = 93.8 F3 = 11.2 TS3 = 21.6



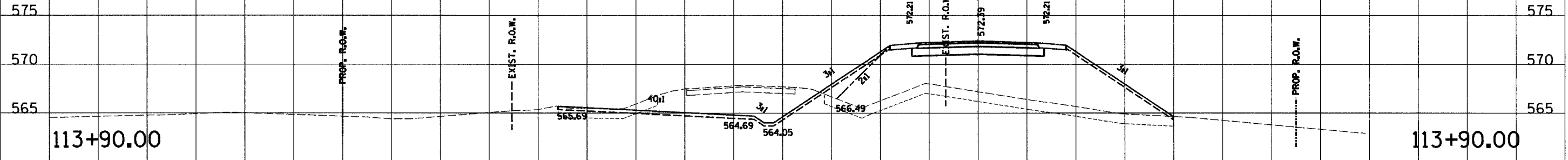
113+20.00 TE1A = 46.3 WEP1A = 67.6 WEE1A = 55.8 C1B = 118.6 F1B = 407. WTS1B = 67.6 TS1B = 9.0 C3 = 93.6 F3 = 11.4 TS3 = 21.8

C.H. 14

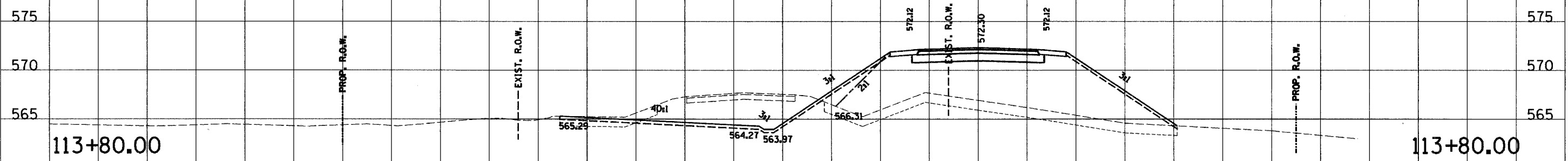
180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100

180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60

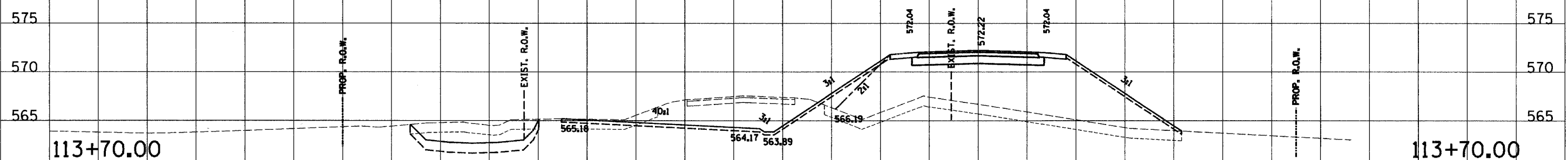
RTE. NO.	SECTION NO.	COUNTY	TOTAL SHTS.	SHEET NO.
FAS 209 C.H. 14	00-00091-00-BR	MERCER	111	91
STA. 87+00.00		TO STA. 87+50.00		
FED. ROAD DIST. NO.		ILLINOIS PROJECT		
CONTRACT NO. 89312		SCALE		
		HORIZ. 1"=10' VERT. 1"=5'		



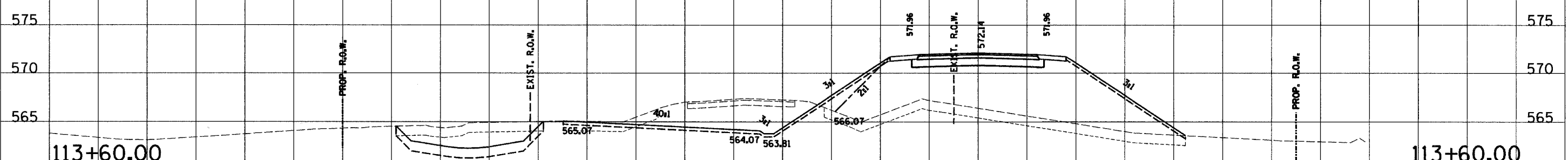
113+90.00 TE1A = 71.3 WEP1A = 0.0 WEE1A = 0.0 C1B = 0.0 F1B = 314.3 WTS1B = 0.0 TS1B = 7.6 C3 = 93.4 F3 = 10.6 TS3 = 22.1



113+80.00 TE1A = 72.2 WEP1A = 0.0 WEE1A = 0.0 C1B = 0.0 F1B = 329.4 WTS1B = 0.0 TS1B = 7.9 C3 = 98.3 F3 = 10.8 TS3 = 21.9



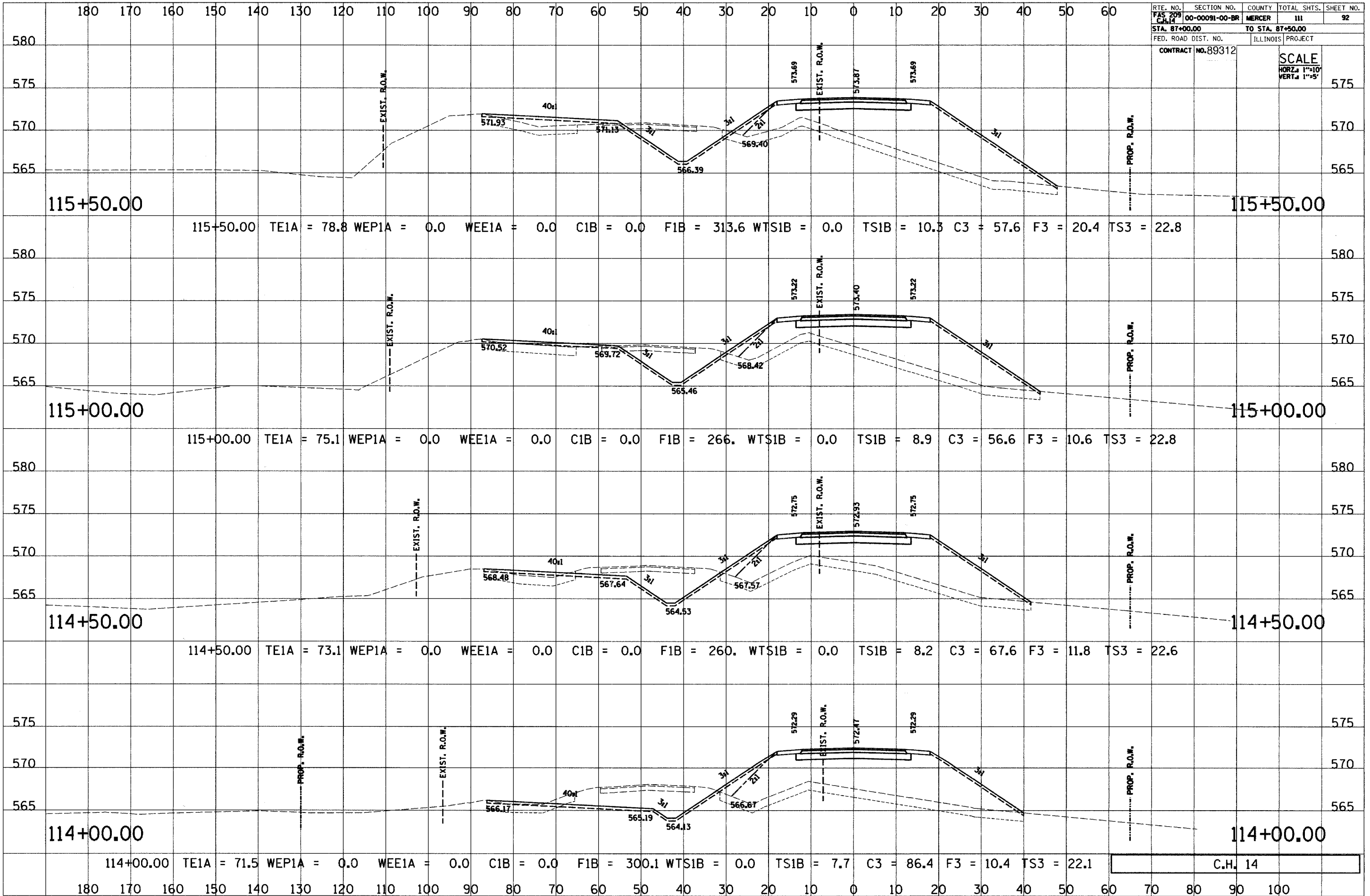
113+70.00 TE1A = 73.1 WEP1A = 26.3 WEE1A = 0.0 C1B = 46.3 F1B = 340. WTS1B = 26.3 TS1B = 8.2 C3 = 97.0 F3 = 10.9 TS3 = 21.8



113+60.00 TE1A = 73.9 WEP1A = 30.2 WEE1A = 0.0 C1B = 56.2 F1B = 353.3 WTS1B = 30.2 TS1B = 8.5 C3 = 95.9 F3 = 10.9 TS3 = 21.7

C.H. 14

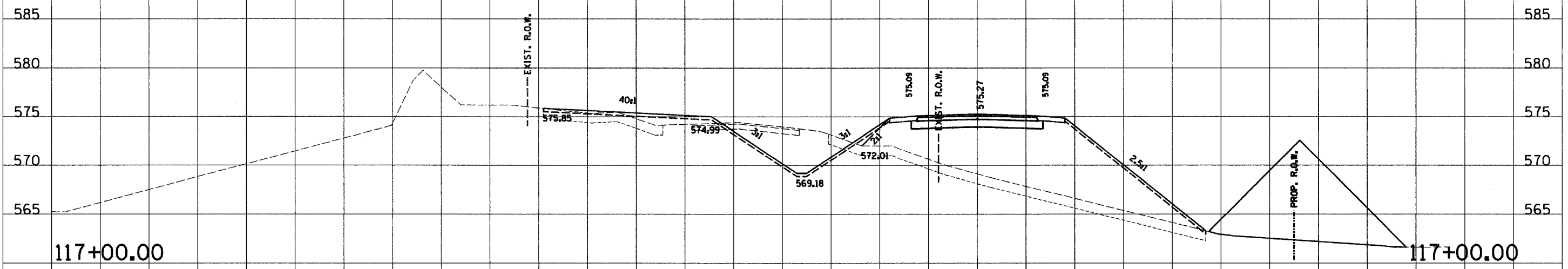
180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100



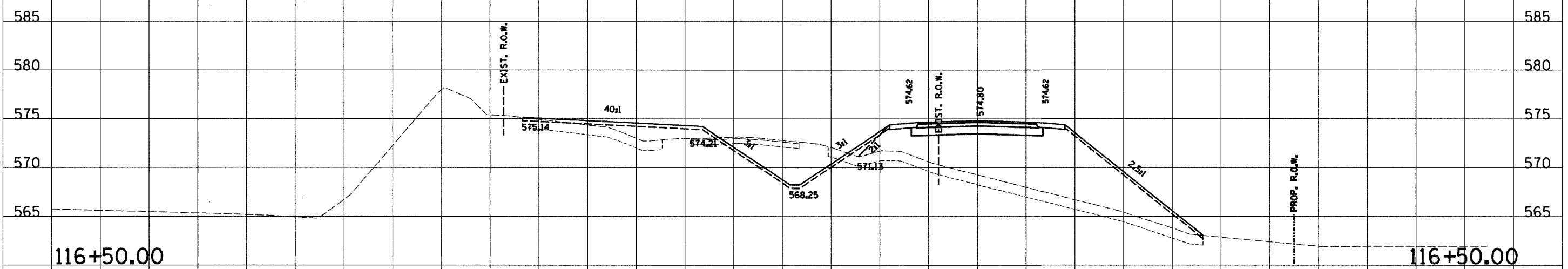
C.H. 14

180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60

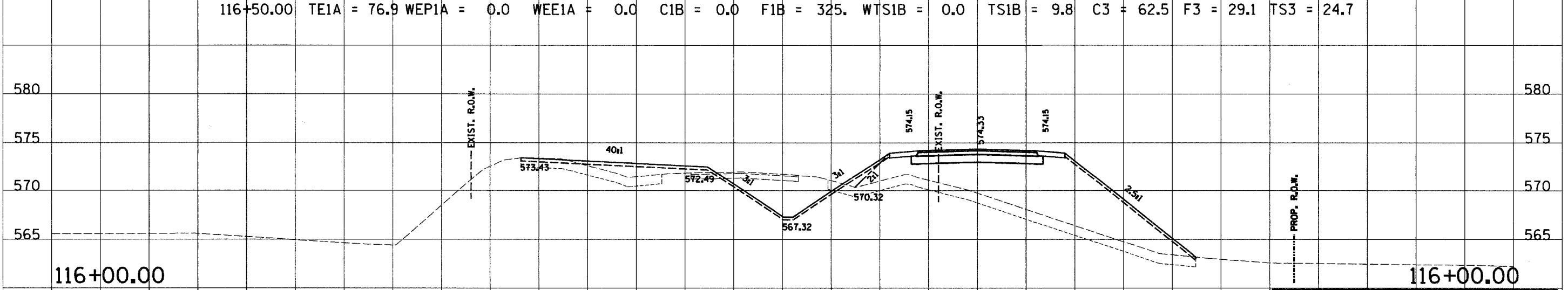
RTE. NO.	SECTION NO.	COUNTY	TOTAL SHTS.	SHEET NO.
FAS 209 C.H. 14	00-00091-00-BR	MERCER	111	93
STA. 87+00.00		TO STA. 87+50.00		
FED. ROAD DIST. NO.		ILLINOIS PROJECT		
CONTRACT NO. 89312		SCALE HORZ. 1"=10' VERT. 1"=5'		



117+00.00 TE1A = 77.4 WEP1A = 0.0 WEE1A = 0.0 C1B = 0.0 F1B = 355.9 WTS1B = 0.0 TS1B = 9.9 C3 = 65.8 F3 = 16.5 TS3 = 23.0



116+50.00 TE1A = 76.9 WEP1A = 0.0 WEE1A = 0.0 C1B = 0.0 F1B = 325.0 WTS1B = 0.0 TS1B = 9.8 C3 = 62.5 F3 = 29.1 TS3 = 24.7



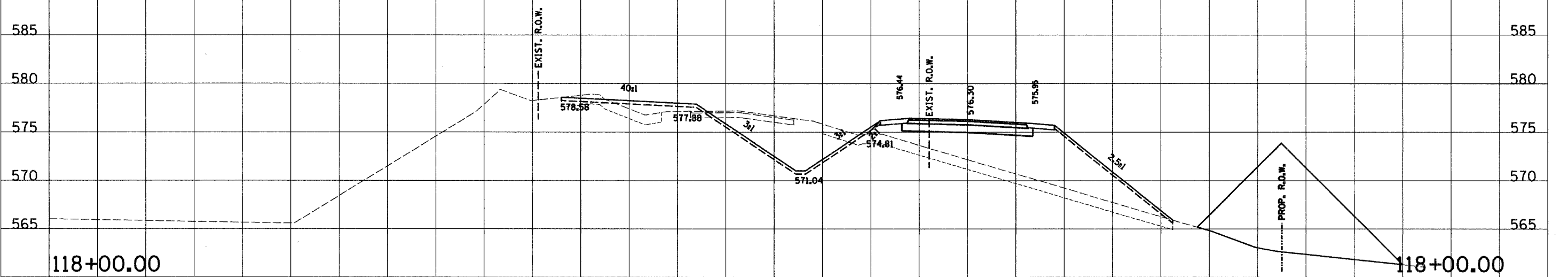
116+00.00 TE1A = 75.5 WEP1A = 0.0 WEE1A = 0.0 C1B = 0.0 F1B = 301.1 WTS1B = 0.0 TS1B = 9.3 C3 = 61.9 F3 = 24.8 TS3 = 23.3

C.H. 14

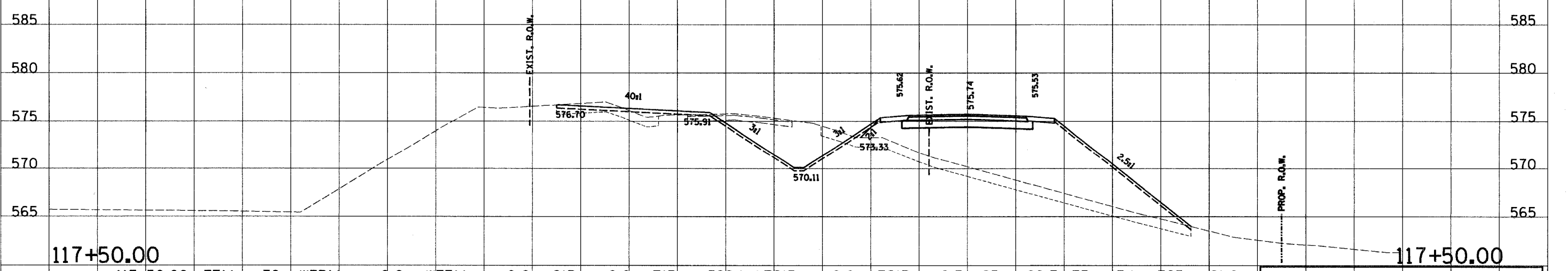
180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100

180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60

RTE. NO.	SECTION NO.	COUNTY	TOTAL SHTS.	SHEET NO.
FAS 209 C.H. 14	00-00091-00-BR	MERCER	111	94
STA. 87+00.00		TO STA. 87+50.00		
FED. ROAD DIST. NO.		ILLINOIS PROJECT		
CONTRACT NO. 89312		SCALE		
		HORZ. 1"=10'		
		VERT. 1"=5'		



118+00.00 TE1A = 72.4 WEPIA = 0.0 WEE1A = 0.0 C1B = 0.0 F1B = 237. WTS1B = 0.0 TS1B = 8.5 C3 = 90.0 F3 = 13.3 TS3 = 21.6



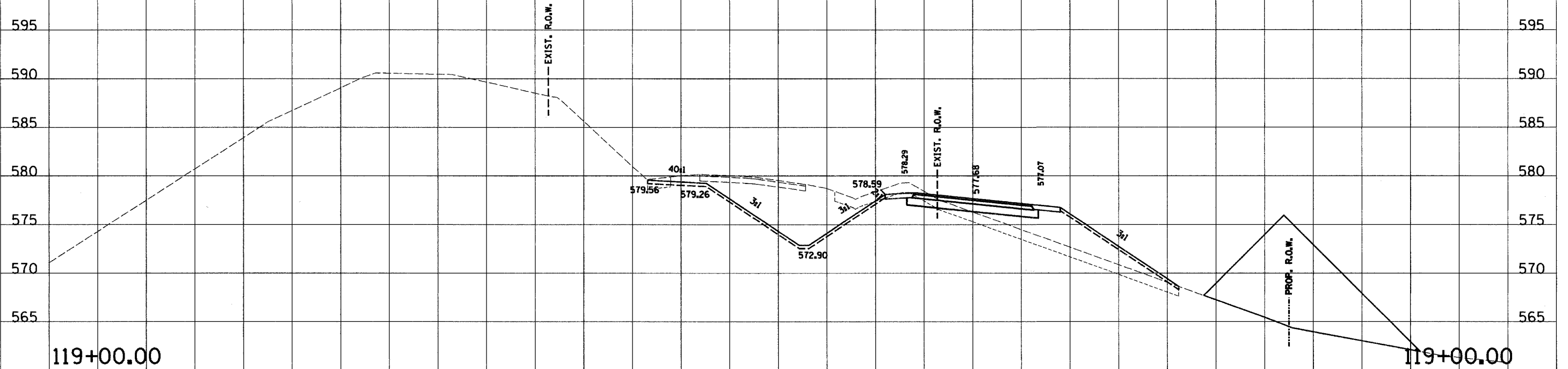
117+50.00 TE1A = 76. WEPIA = 0.0 WEE1A = 0.0 C1B = 0.0 F1B = 322.1 WTS1B = 0.0 TS1B = 9.7 C3 = 80.7 F3 = 7.1 TS3 = 21.8

C.H. 14

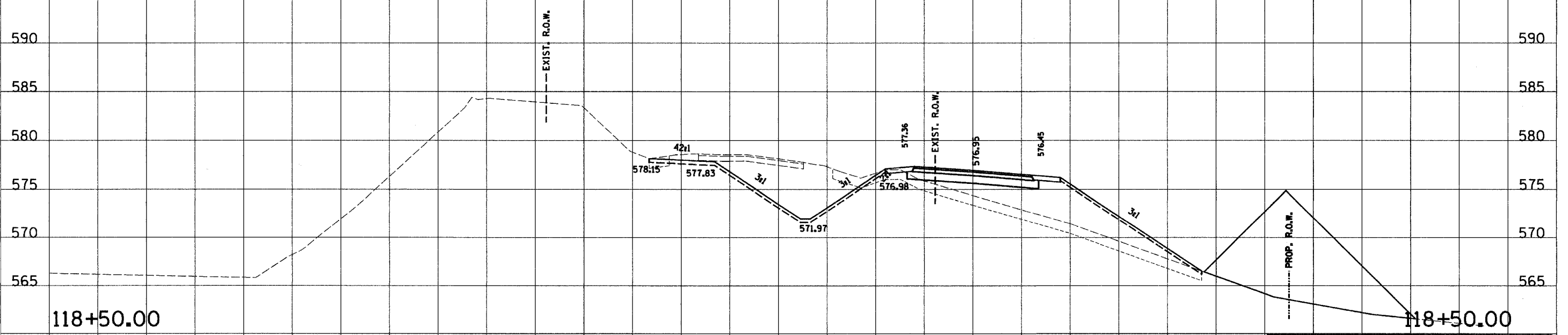
180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100

180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60

RTE. NO. FAS 209 C-14	SECTION NO. 00-00091-00-BR	COUNTY MERCER	TOTAL SHTS. 111	SHEET NO. 95
STA. 87+00.00		TO STA. 87+90.00		
FED. ROAD DIST. NO.		ILLINOIS PROJECT		
CONTRACT NO. 89312		SCALE HORZ. 1"=10' VERT. 1"=5'		



119+00.00 TE1A = 70. WE1A = 0.0 WEE1A = 0.0 C1B = 6.0 F1B = 109.2 WTS1B = 0.0 TS1B = 8.1 C3 = 127.0 F3 = 0.0 TS3 = 16.3



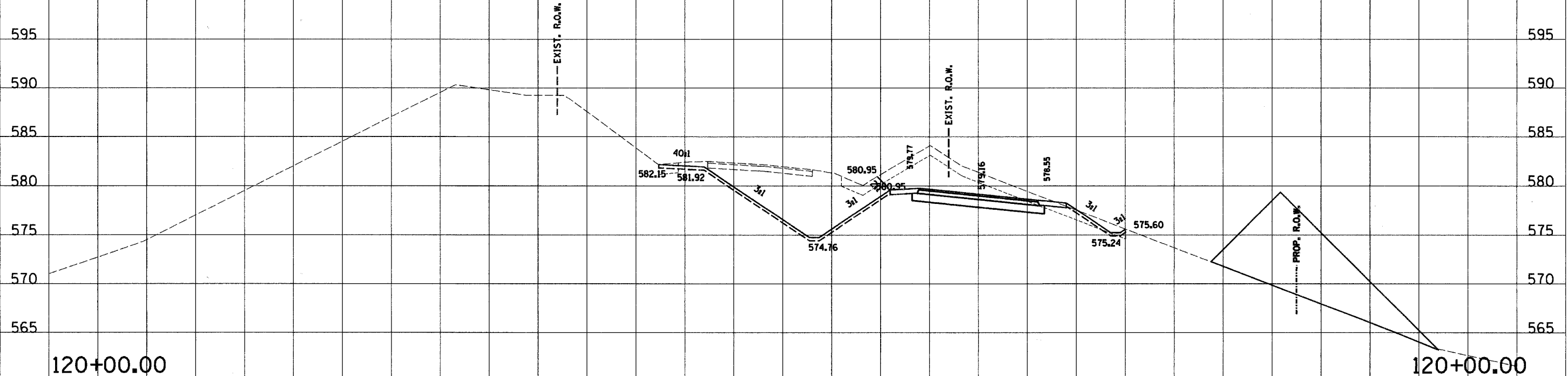
118+50.00 TE1A = 75.9 WE1A = 0.0 WEE1A = 0.0 C1B = 0.0 F1B = 168.6 WTS1B = 0.0 TS1B = 10.0 C3 = 109.5 F3 = 0.2 TS3 = 17.4

C.H. 14

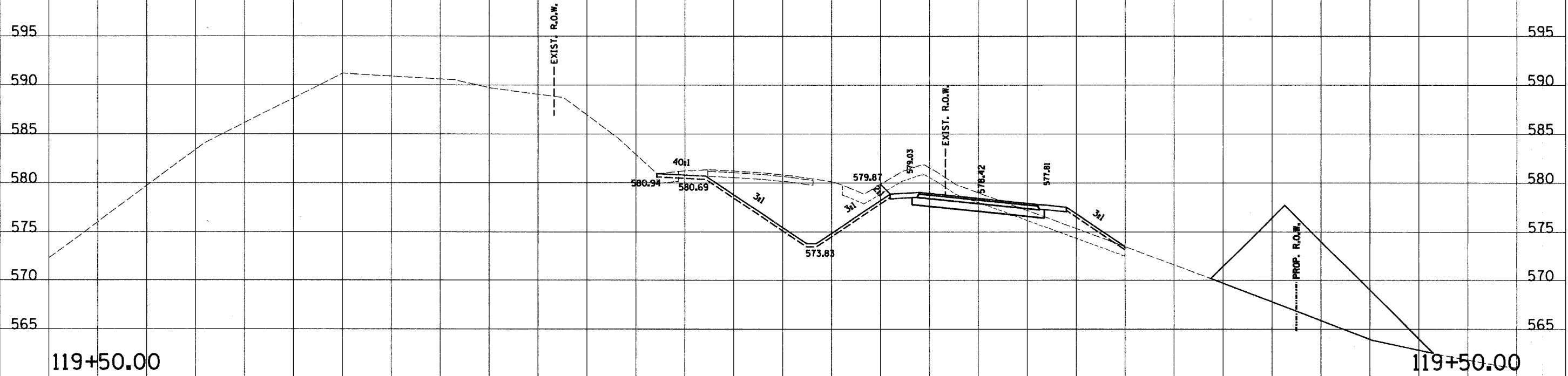
180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100

180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60

RTE. NO. FAS 209 C.H. 14	SECTION NO. 00-00091-00-BR	COUNTY MERCER	TOTAL SHTS. 111	SHEET NO. 96
STA. 87+00.00		TO STA. 87+50.00		
FED. ROAD DIST. NO.		ILLINOIS PROJECT		
CONTRACT NO. 89312		SCALE HORZ. 1"=10' VERT. 1"=5'		



120+00.00 TE1A = 58.1 WE1A = 0.0 WEE1A = 0.0 C1B = 82.6 F1B = 6.3 WTS1B = 0.0 TS1B = 4.0 C3 = 144.1 F3 = 0.0 TS3 = 15.8



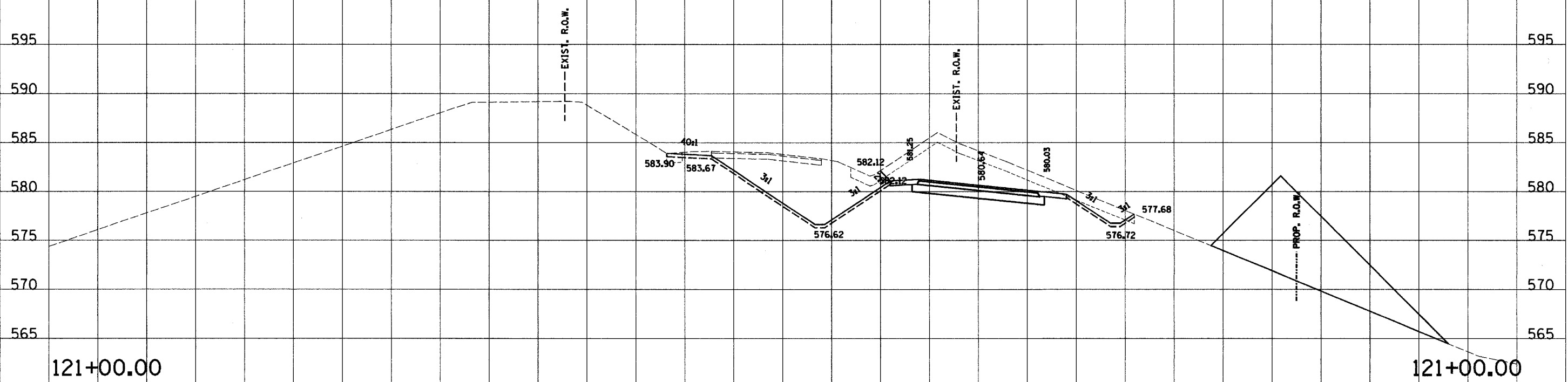
119+50.00 TE1A = 57.7 WE1A = 0.0 WEE1A = 0.0 C1B = 39.1 F1B = 30.2 WTS1B = 0.0 TS1B = 4.0 C3 = 137.6 F3 = 0.0 TS3 = 15.9

C.H. 14

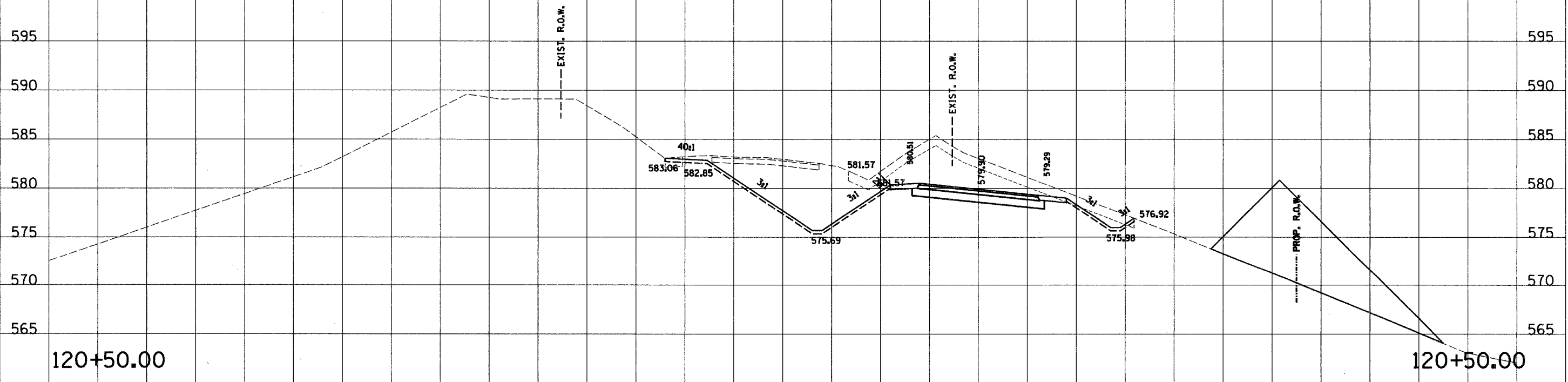
180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100

180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60

RTE. NO.	SECTION NO.	COUNTY	TOTAL SHTS.	SHEET NO.
FAS 209 C.H. 14	00-00091-00-BR	MERCER	111	97
STA. 87+00.00		TO STA. 87+50.00		
FED. ROAD DIST. NO.		ILLINOIS PROJECT		
CONTRACT NO. 89312		SCALE		
		HORIZ. 1"=10'		
		VERT. 1"=5'		



121+00.00 TE1A = 57.9 WEP1A = 0.0 WEE1A = 0.0 C1B = 119.8 F1B = 0.4 WTS1B = 0.0 TS1B = 4.6 C3 = 135.3 F3 = 0.0 TS3 = 15.2



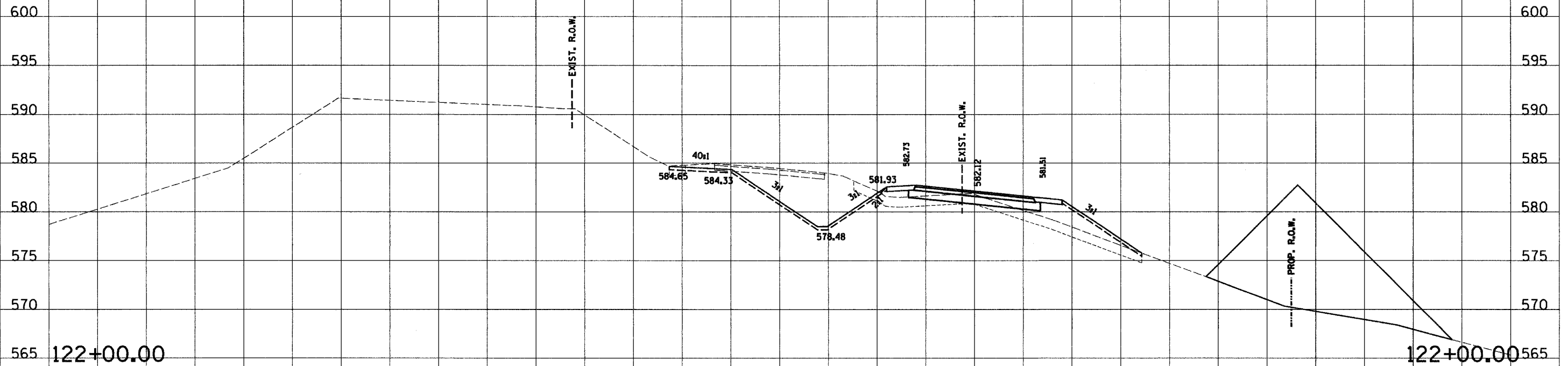
120+50.00 TE1A = 58.4 WEP1A = 0.0 WEE1A = 0.0 C1B = 114.1 F1B = 0.4 WTS1B = 0.0 TS1B = 4.6 C3 = 142.2 F3 = 0.0 TS3 = 15.3

C.H. 14

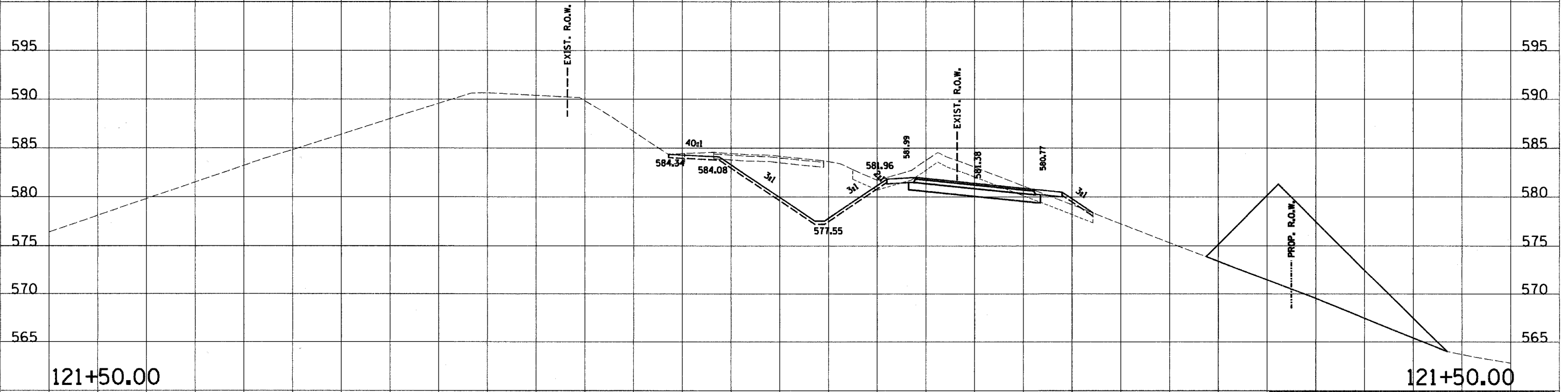
180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100

180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60

RTE. NO. FAS 209 C.H. 14	SECTION NO. 00-00091-00-BR	COUNTY MERCER	TOTAL SHTS. 111	SHEET NO. 98
STA. 87+00.00		TO STA. 87+90.00		
FED. ROAD DIST. NO.		ILLINOIS PROJECT		
CONTRACT NO. 89312		SCALE HORZ. 1"=10' VERT. 1"=5'		



122+00.00 TE1A = 59.1 WEP1A = 0.0 WEE1A = 0.0 C1B = 0.1 F1B = 67.7 WTS1B = 0.0 TS1B = 5.8 C3 = 94.8 F3 = 0.1 TS3 = 14.5



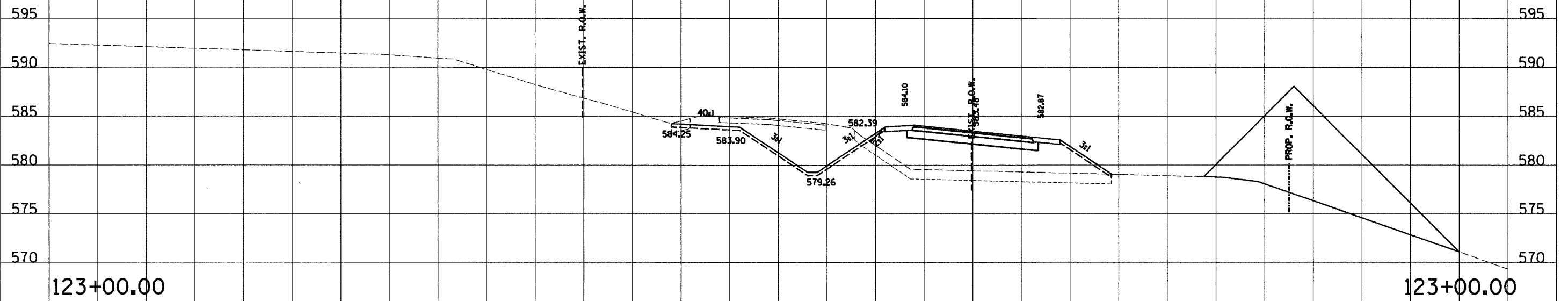
121+50.00 TE1A = 49.3 WEP1A = 0.0 WEE1A = 0.0 C1B = 45.2 F1B = 12.1 WTS1B = 0.0 TS1B = 2.1 C3 = 113.9 F3 = 0.8 TS3 = 14.9

C.H. 14

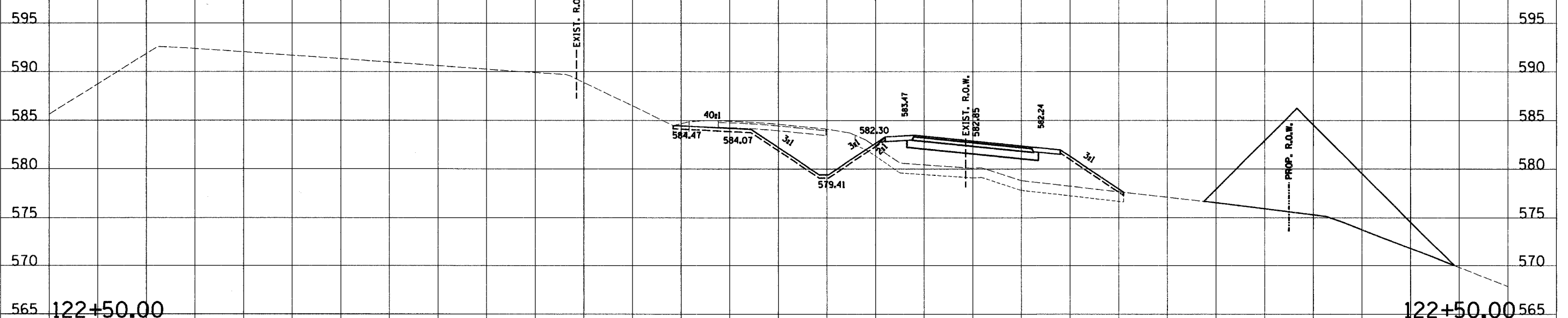
180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100

180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60

RTE. NO. FAS 209 C.H. 14	SECTION NO. 00-00091-00-BR	COUNTY MERCER	TOTAL SHTS. 111	SHEET NO. 99
STA. 87+00.00		TO STA. 87+90.00		
FED. ROAD DIST. NO.		ILLINOIS PROJECT		
CONTRACT NO. 89312		SCALE HORZ. 1"=10' VERT. 1"=5'		



123+00.00 TE1A = 52. WEPIA = 0.0 WEE1A = 0.0 C1B = 0.0 F1B = 168.1 WTS1B = 0.0 TS1B = 3.8 C3 = 92.0 F3 = 0.5 TS3 = 14.3



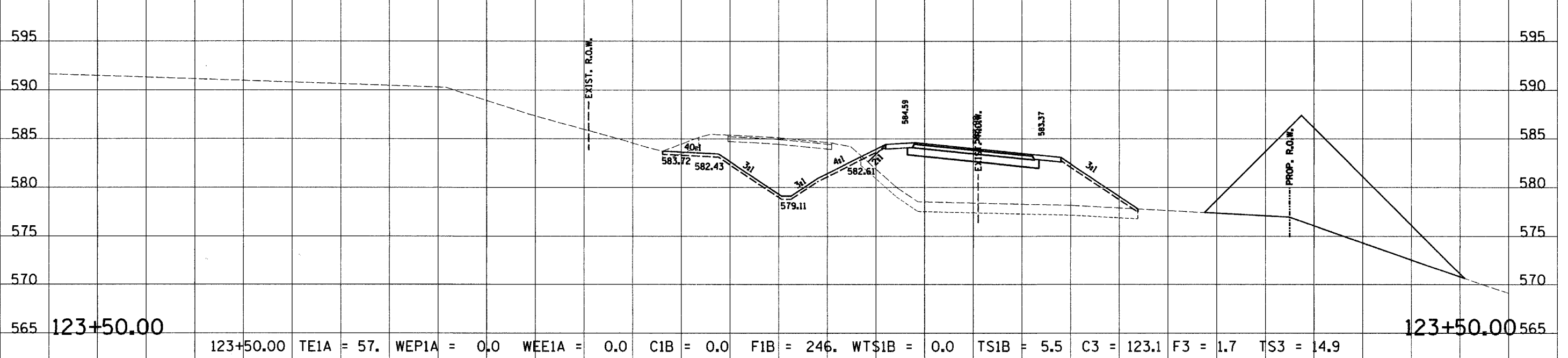
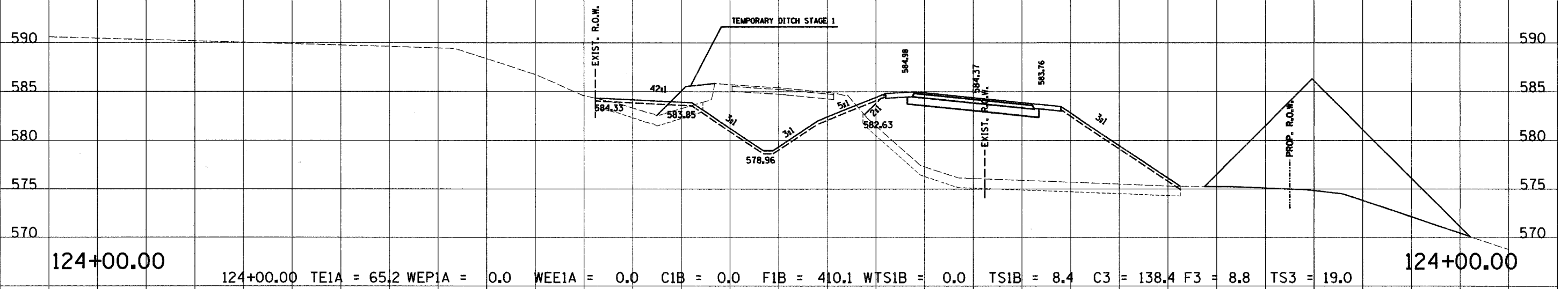
122+50.00 TE1A = 55.2 WEPIA = 0.0 WEE1A = 0.0 C1B = 0.0 F1B = 140.0 WTS1B = 0.0 TS1B = 4.7 C3 = 77.2 F3 = 0.2 TS3 = 14.2

C.H. 14

180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100

180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60

RTE. NO. FAS 209 C.H. 14	SECTION NO. 00-00091-00-BR	COUNTY MERCER	TOTAL SHTS. 111	SHEET NO. 100
STA. 87+00.00		TO STA. 87+50.00		
FED. ROAD DIST. NO.		ILLINOIS PROJECT		
CONTRACT NO. 89312		SCALE HORZ. 1"=10' VERT. 1"=5'		

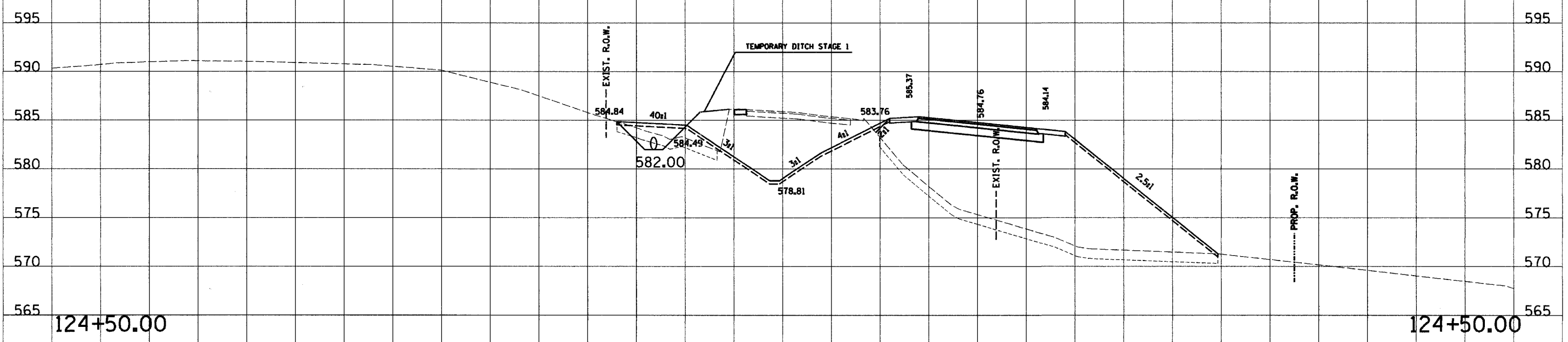


C.H. 14

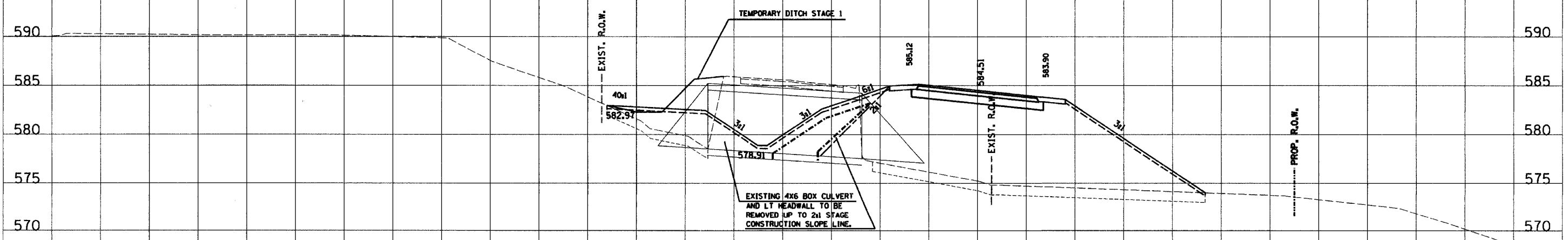
180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100

180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60

RTE. NO.	SECTION NO.	COUNTY	TOTAL SHTS.	SHEET NO.
FAS 209 C.H. 14	00-00091-00-BR	MERCER	111	101
STA. 87+00.00		TO STA. 87+50.00		
FED. ROAD DIST. NO.		ILLINOIS PROJECT		
CONTRACT NO. 89312		SCALE HORZ. 1"=10' VERT. 1"=5'		



124+50.00 124+50.00 TE1A = 69.4 WE1A = 0.0 WEE1A = 0.0 C1B = 14.4 F1B = 548.4 WTS1B = 0.0 TS1B = 10.7 C3 = 154.1 F3 = 19.8 TS3 = 18.3 124+50.00



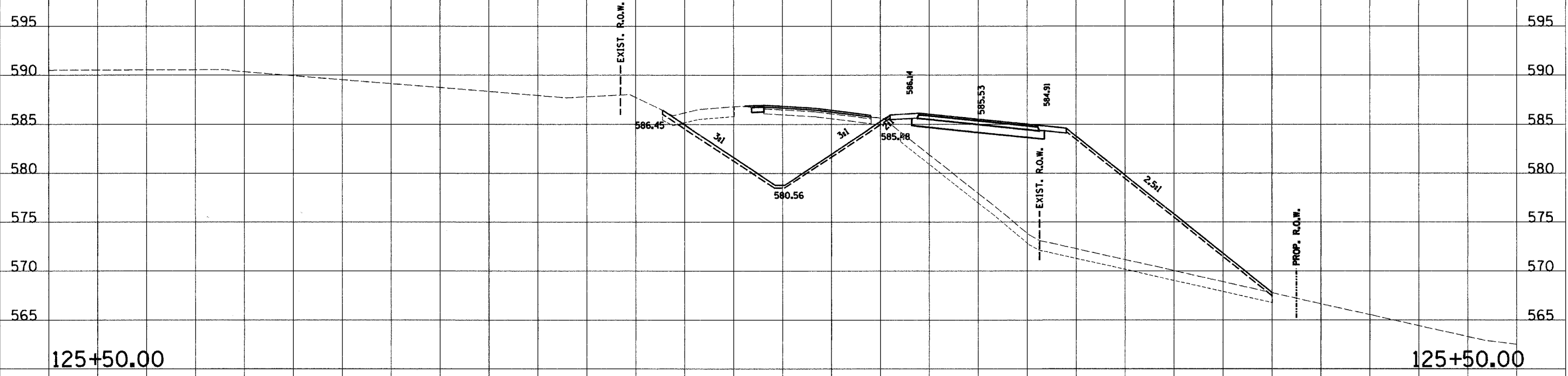
124+18.16 124+18.16 TE1A = 68.3 WE1A = 0.0 WEE1A = 0.0 C1B = 0.0 F1B = 577.4 WTS1B = 0.0 TS1B = 9.7 C3 = 151.5 F3 = 5.1 TS3 = 19.0 124+18.16

180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100

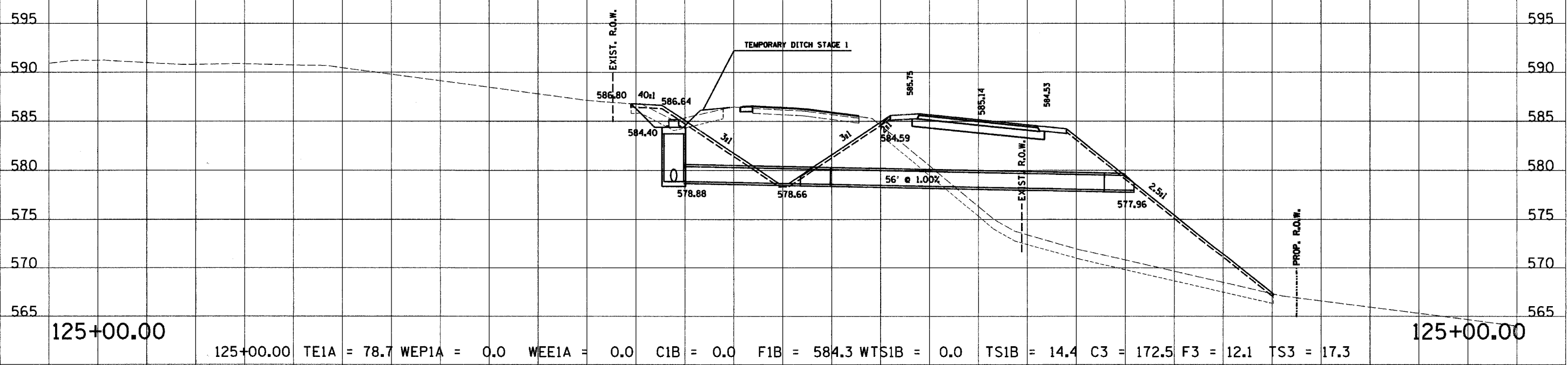
C.H. 14

180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60

RTE. NO.	SECTION NO.	COUNTY	TOTAL SHTS.	SHEET NO.
FA5 209 C.H. 14	00-00091-00-BR	MERCER	111	102
STA. 87+00.00		TO STA. 87+50.00		
FED. ROAD DIST. NO.		ILLINOIS PROJECT		
CONTRACT NO. 89312		SCALE		
		HORZ. 1"=10'		
		VERT. 1"=5'		



125+50.00 TE1A = 75.9 WEP1A = 0.0 WEE1A = 0.0 C1B = 0.1 F1B = 542.5 WTS1B = 0.0 TS1B = 14.3 C3 = 187.9 F3 = 0.0 TS3 = 15.2



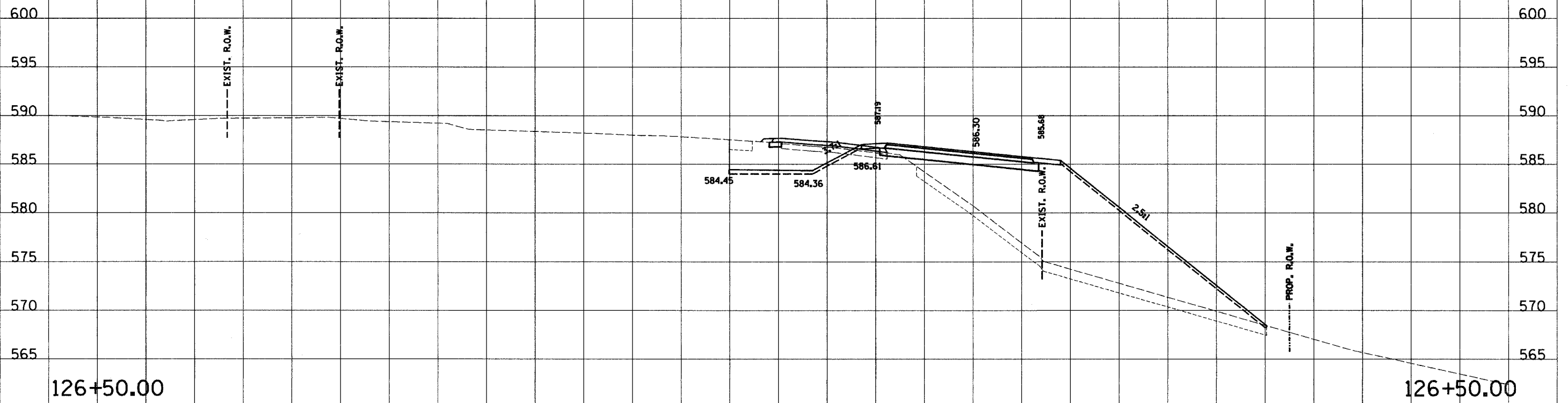
125+00.00 TE1A = 78.7 WEP1A = 0.0 WEE1A = 0.0 C1B = 0.0 F1B = 584.3 WTS1B = 0.0 TS1B = 14.4 C3 = 172.5 F3 = 12.1 TS3 = 17.3

C.H. 14

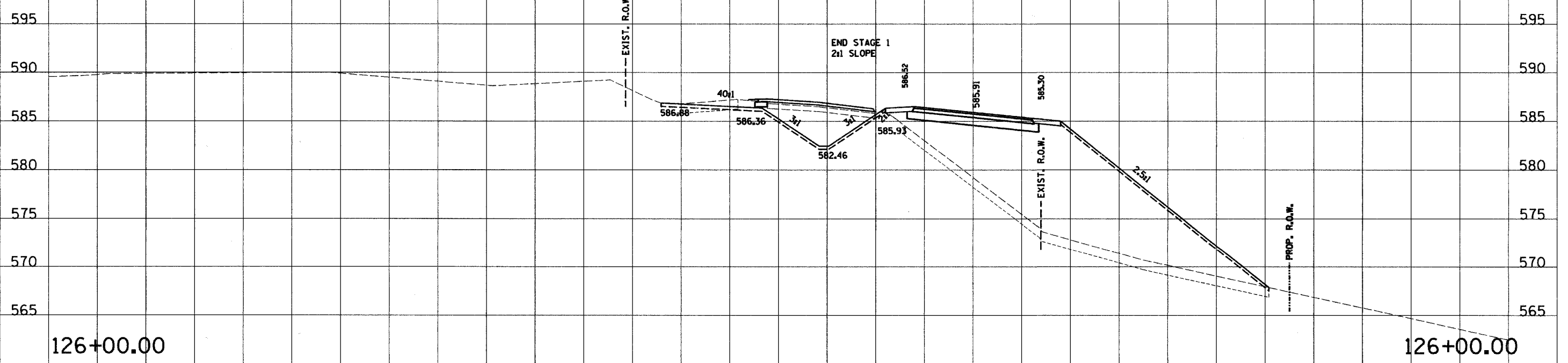
180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100

180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60

RTE. NO.	SECTION NO.	COUNTY	TOTAL SHTS.	SHEET NO.
FAS 209 C.H. 14	00-00091-00-BR	MERCER	111	103
STA. 87+00.00		TO STA. 87+50.00		
FED. ROAD DIST. NO.		ILLINOIS PROJECT		
CONTRACT NO. 89312		SCALE		
		HORIZ. 1"=10' VERT. 1"=5'		



126+50.00 TE1A = 72. WEPIA = 0.0 WEE1A = 0.0 C1B = 0.9 F1B = 450.4 WTS1B = 0.0 TS1B = 14.1 C3 = 60.9 F3 = 4.3 TS3 = 9.7



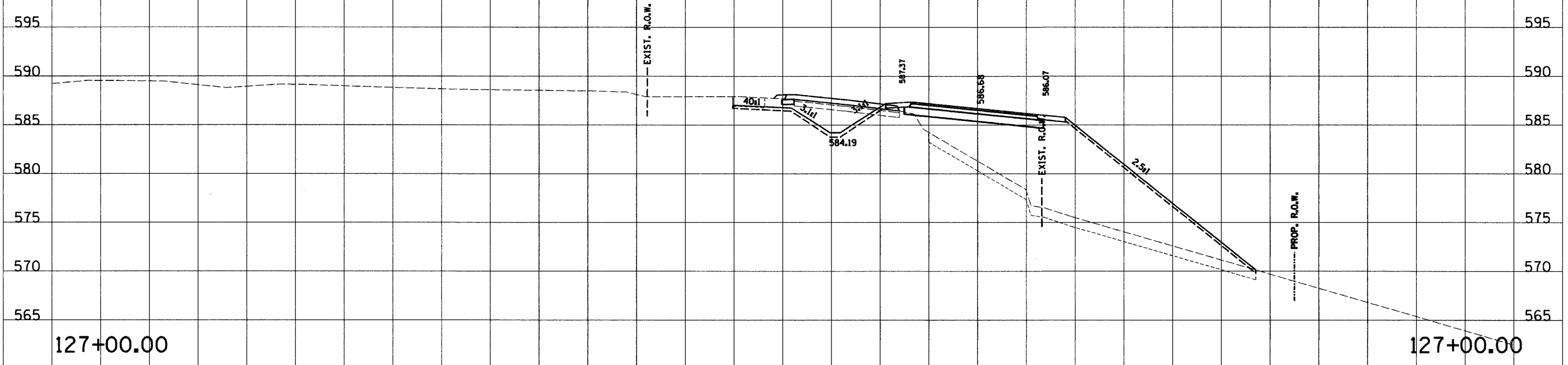
126+00.00 TE1A = 75. WEPIA = 0.0 WEE1A = 0.0 C1B = 0.2 F1B = 519.4 WTS1B = 0.0 TS1B = 14.6 C3 = 67.0 F3 = 0.0 TS3 = 15.0

C.H. 14

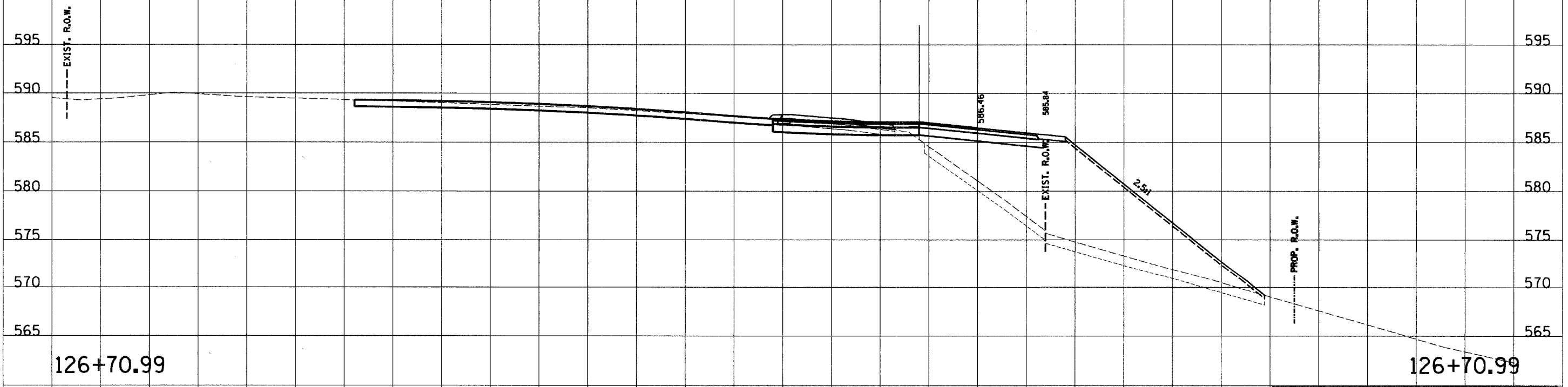
180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100

180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60

RTE. NO.	SECTION NO.	COUNTY	TOTAL SHTS.	SHEET NO.
FAS 209 C.H. 14	00-00091-00-BR	MERCER	111	104
STA. 87+00.00		TO STA. 87+50.00		
FED. ROAD DIST. NO.		ILLINOIS PROJECT		
CONTRACT NO. 89312		SCALE		
		HORZ. 1"=10' VERT. 1"=5'		



127+00.00 TE1A = 67.1 WEPIA = 0.0 WEE1A = 0.0 C1B = 0.3 F1B = 402.6 WTS1B = 0.0 TS1B = 13.0 C3 = 44.5 F3 = 4.0 TS3 = 11.6



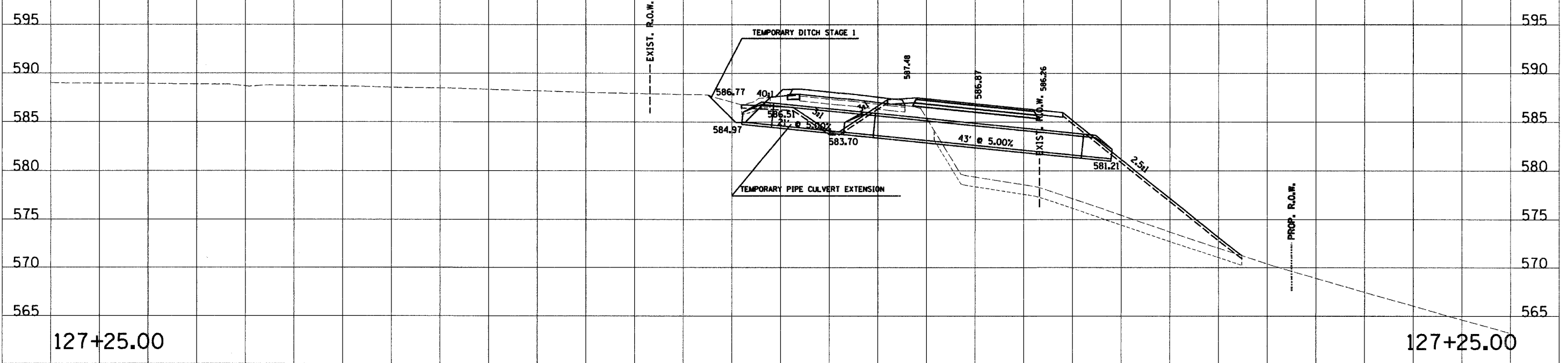
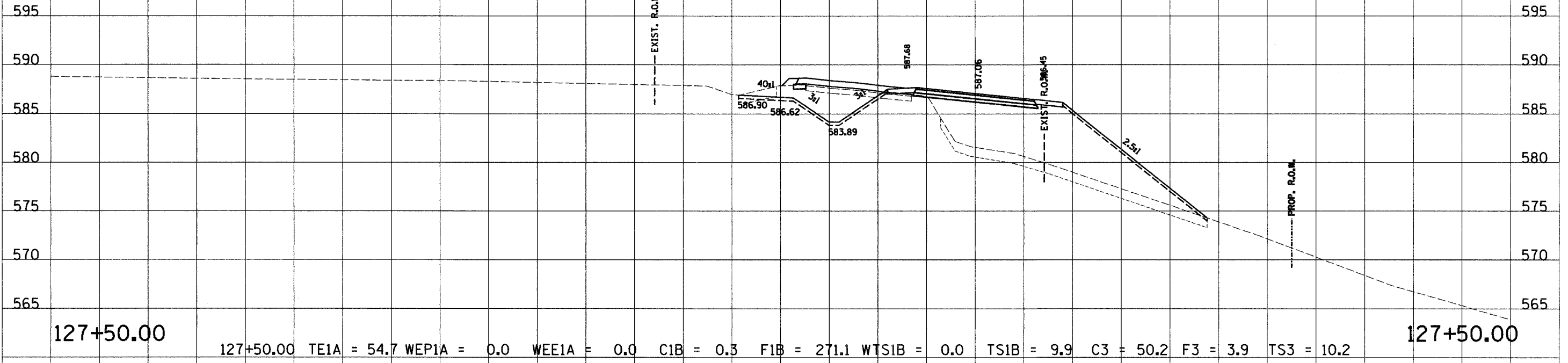
126+70.99 TE1A = 69.8 WEPIA = 0.0 WEE1A = 0.0 C1B = 0.0 F1B = 424.6 WTS1B = 0.0 TS1B = 13.6 C3 = 1.3 F3 = 14.4 TS3 = 0.0

C.H. 14

180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100

180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60

RTE. NO.	SECTION NO.	COUNTY	TOTAL SHTS.	SHEET NO.
FAS 209 C.H. 14	00-0091-00-BR	MERCER	111	105
STA. 87+00.00		TO STA. 87+50.00		
FED. ROAD DIST. NO.		ILLINOIS PROJECT		
CONTRACT NO. 89312		SCALE HORZ. 1"=10' VERT. 1"=5'		



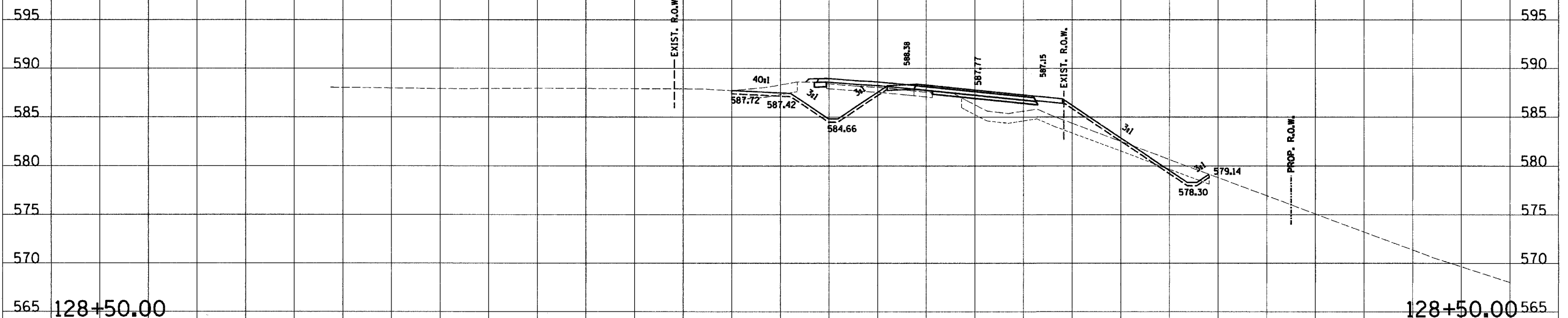
127+25.00 TE1A = 63.2 WEP1A = 0.0 WEE1A = 0.0 C1B = 14.4 F1B = 383.0 WTS1B = 0.0 TS1B = 12.3 C3 = 43.4 F3 = 14.9 TS3 = 9.7

C.H. 14

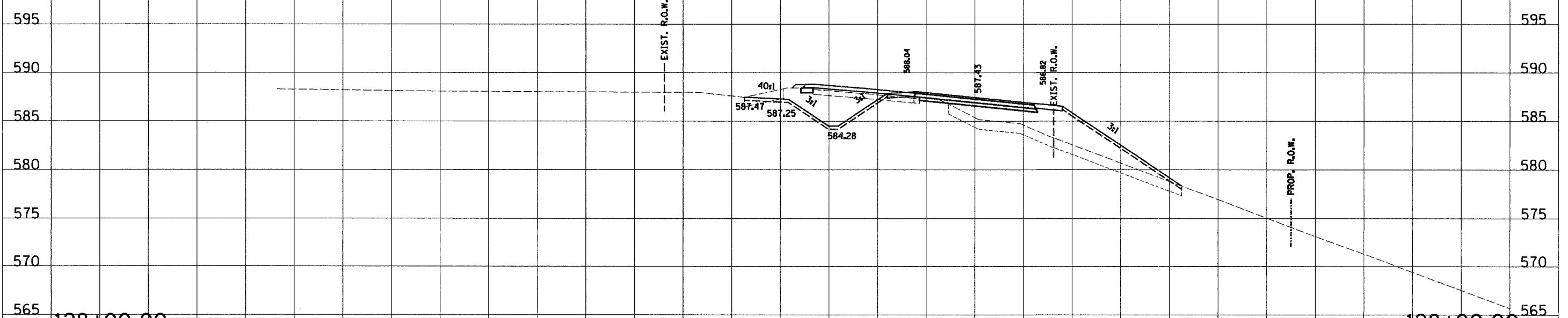
180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100

180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60

RTE. NO. FAS 209 C.H. 14	SECTION NO. 00-00091-00-BR	COUNTY MERCER	TOTAL SHTS. 111	SHEET NO. 106
STA. 87+00.00		TO STA. 87+50.00		
FED. ROAD DIST. NO.		ILLINOIS PROJECT		
CONTRACT NO. 89312		SCALE HORIZ. 1"=10' VERT. 1"=5'		



128+50.00 128+50.00 TE1A = 50. WE1A = 0.0 WEE1A = 0.0 C1B = 7.2 F1B = 67.7 WTS1B = 0.0 TS1B = 10.1 C3 = 53.2 F3 = 2.6 TS3 = 10.5 128+50.00



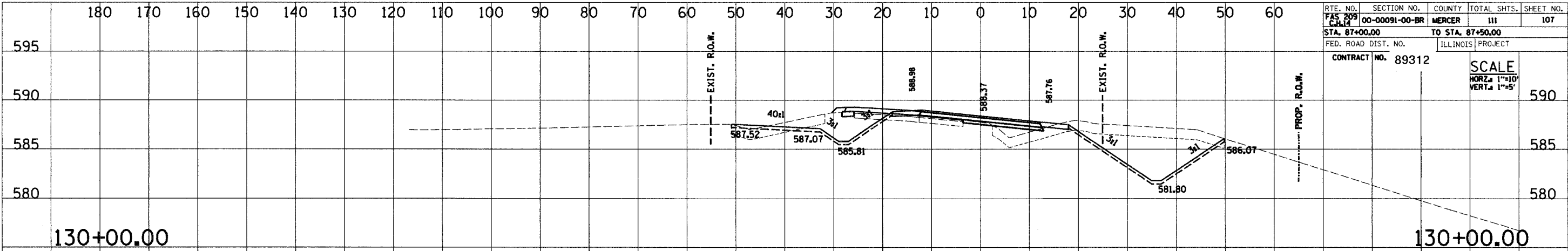
128+00.00 128+00.00 TE1A = 47.9 WE1A = 0.0 WEE1A = 0.0 C1B = 1.7 F1B = 120.3 WTS1B = 0.0 TS1B = 8.2 C3 = 52.6 F3 = 2.5 TS3 = 9.8 128+00.00

C.H. 14

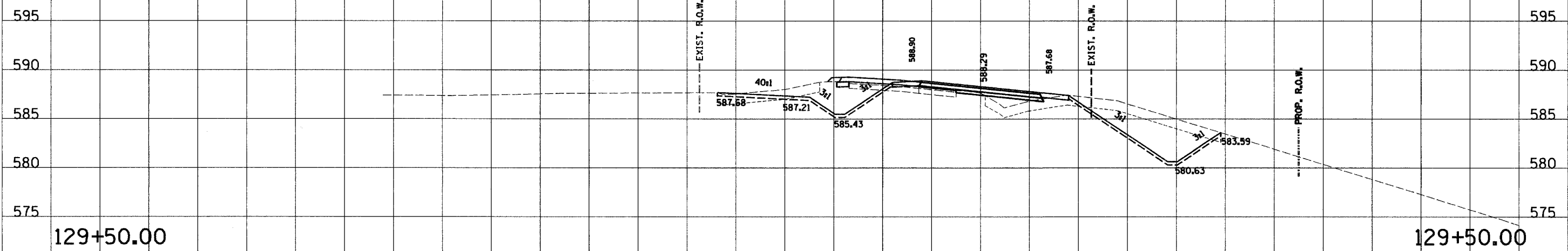
180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100

RTE. NO.	SECTION NO.	COUNTY	TOTAL SHTS.	SHEET NO.
FAS 209 C.H. 14	00-00091-00-BR	MERCER	111	107
STA. 87+00.00		TO STA. 87+50.00		
FED. ROAD DIST. NO.		ILLINOIS PROJECT		

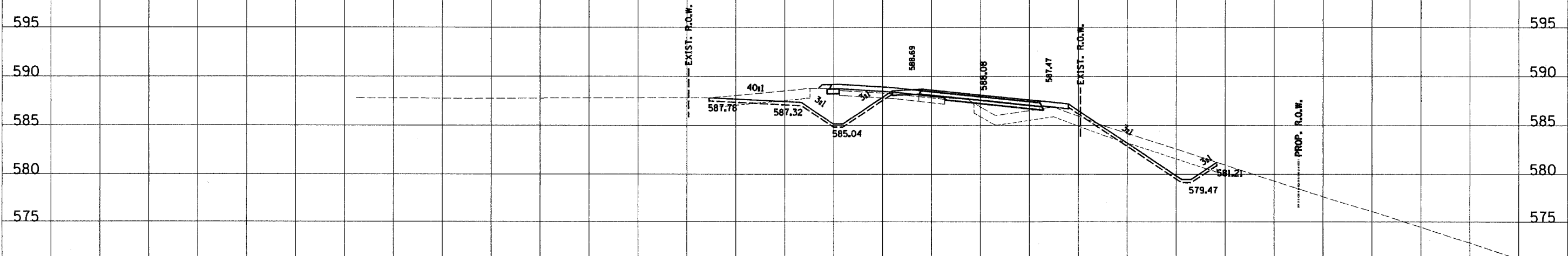
CONTRACT NO. 89312
 SCALE
 HORIZ. 1"=10'
 VERT. 1"=5'



130+00.00 TE1A = 47.4 WEP1A = 0.0 WEE1A = 0.0 C1B = 78.2 F1B = 19.7 WTS1B = 0.0 TS1B = 10.6 C3 = 39.5 F3 = 3.3 TS3 = 10.9



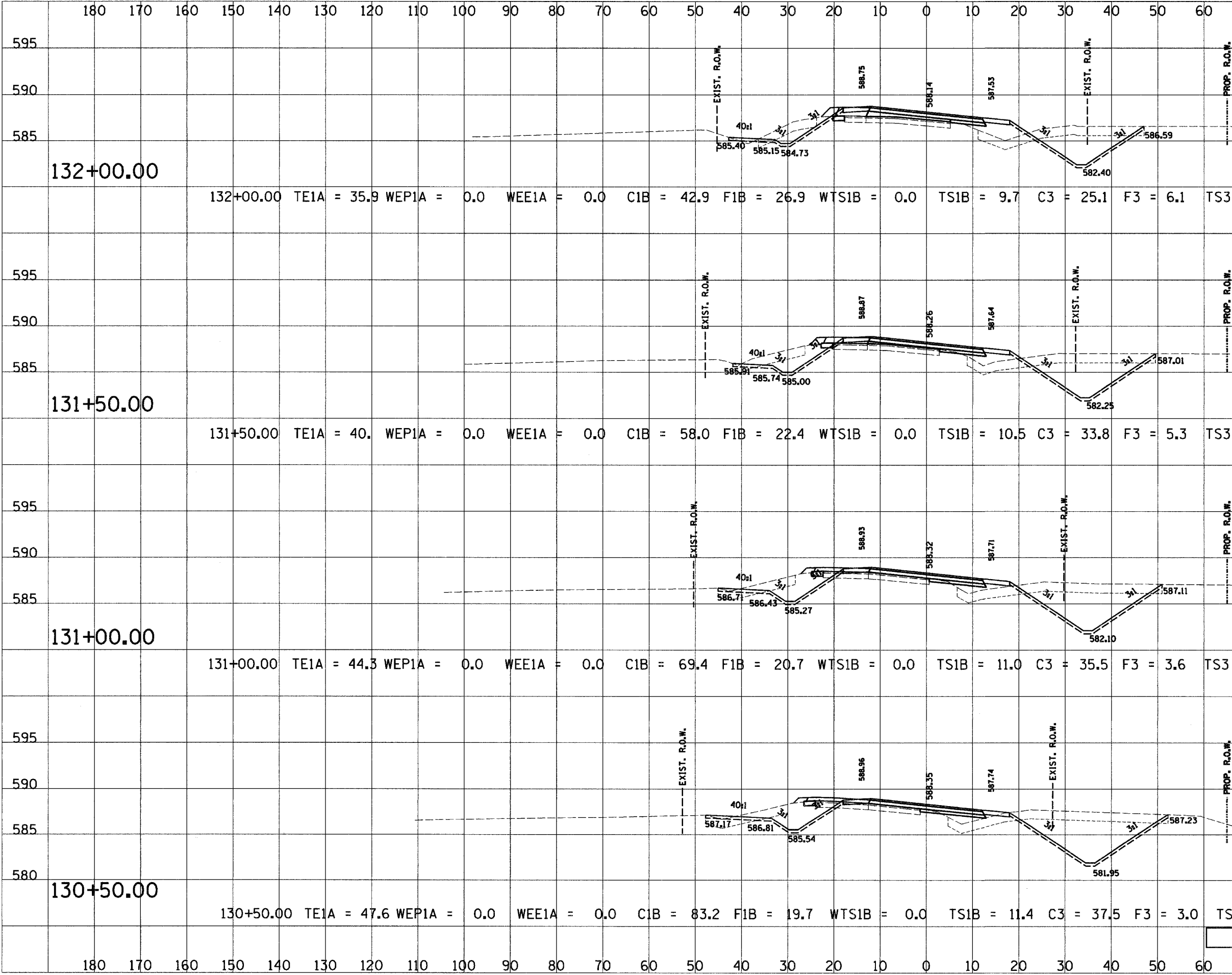
129+50.00 TE1A = 48.1 WEP1A = 0.0 WEE1A = 0.0 C1B = 62.4 F1B = 22.6 WTS1B = 0.0 TS1B = 10.4 C3 = 48.7 F3 = 3.1 TS3 = 11.9



129+00.00 TE1A = 49.6 WEP1A = 0.0 WEE1A = 0.0 C1B = 24.2 F1B = 35.8 WTS1B = 0.0 TS1B = 10.1 C3 = 58.9 F3 = 3.0 TS3 = 12.0

C.H. 14

RTE. NO.	SECTION NO.	COUNTY	TOTAL SHTS.	SHEET NO.
FAS 209 C.H. 14	00-0091-00-BR	MERCER	III	108
STA. 87+00.00		TO STA. 87+50.00		
FED. ROAD DIST. NO.		ILLINOIS PROJECT		
CONTRACT NO. 89312		SCALE HORZ. 1"=10' VERT. 1"=5'		

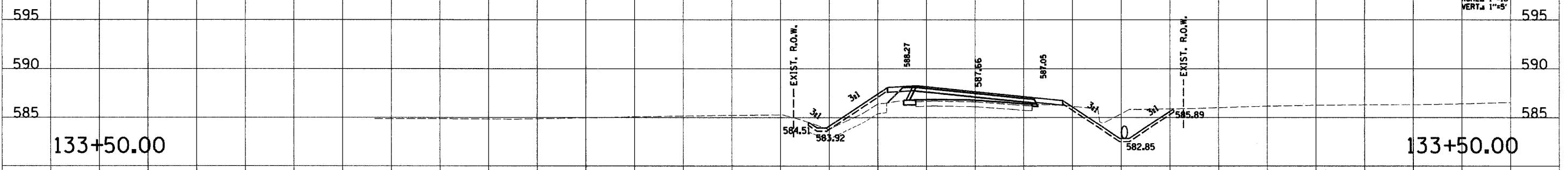


C.H. 14

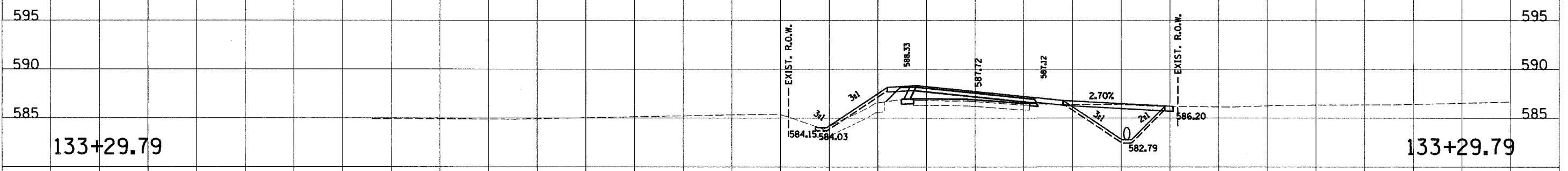
180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60

RTE. NO.	SECTION NO.	COUNTY	TOTAL SHTS.	SHEET NO.
FAS 209 C.H. 14	00-0091-00-BR	MERCER	111	109
STA. 87+00.00		TO STA. 87+50.00		
FED. ROAD DIST. NO.		ILLINOIS PROJECT		

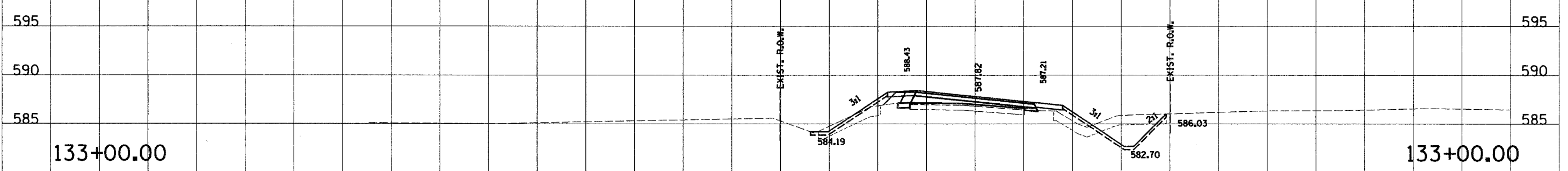
CONTRACT NO. 89312
SCALE
HORIZ. 1"=10'
VERT. 1"=5'



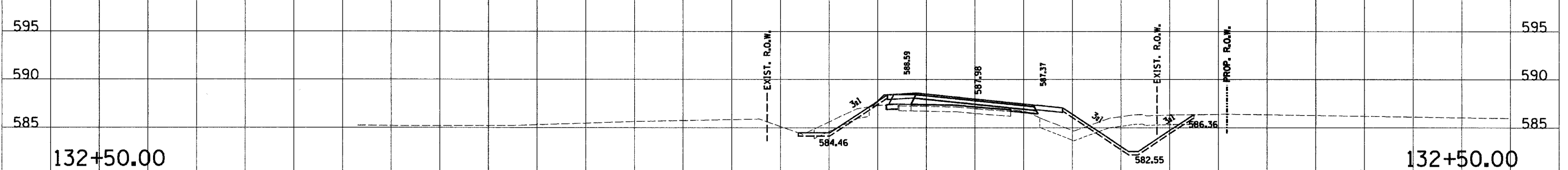
133+50.00 TE1A = 0.0 WEP1A = 0.0 WEE1A = 0.0 C1B = 37.6 F1B = 4.3 WTS1B = 0.0 TS1B = 7.6 C3 = 1.7 F3 = 9.8 TS3 = 5.4



133+29.79 TE1A = 0.0 WEP1A = 0.0 WEE1A = 0.0 C1B = 47.5 F1B = 3.6 WTS1B = 0.0 TS1B = 7.0 C3 = 1.4 F3 = 6.6 TS3 = 4.9



133+00.00 TE1A = 23.1 WEP1A = 0.0 WEE1A = 0.0 C1B = 20.8 F1B = 15.8 WTS1B = 0.0 TS1B = 7.1 C3 = 5.3 F3 = 3.3 TS3 = 5.3



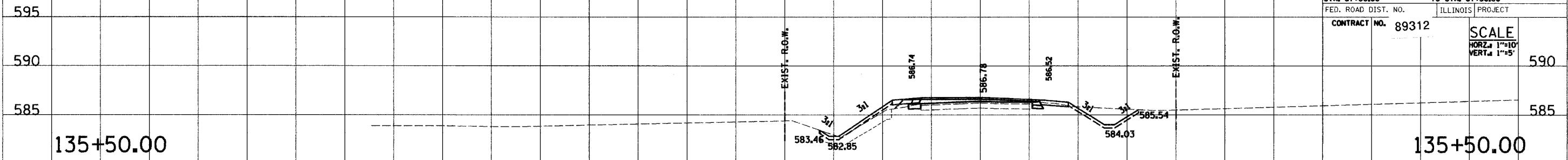
132+50.00 TE1A = 31.7 WEP1A = 0.0 WEE1A = 0.0 C1B = 33.3 F1B = 29.6 WTS1B = 0.0 TS1B = 9.0 C3 = 13.8 F3 = 0.8 TS3 = 6.1

180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100

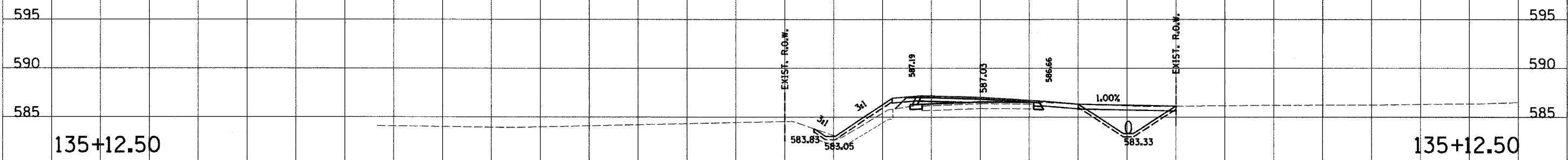
C.H. 14

180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60

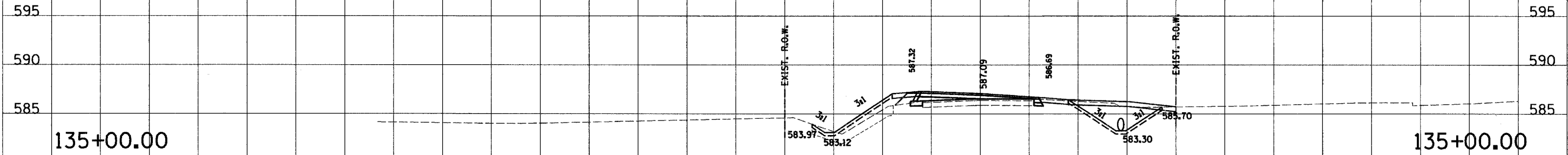
RTE. NO. FAS 209 C.R. 14	SECTION NO. 00-00091-00-BR	COUNTY MERCER	TOTAL SHTS. 111	SHEET NO. 110
STA. 87+00.00		TO STA. 87+50.00		
FED. ROAD DIST. NO.		ILLINOIS PROJECT		
CONTRACT NO. 89312		SCALE HORIZ. 1"=10' VERT. 1"=5'		



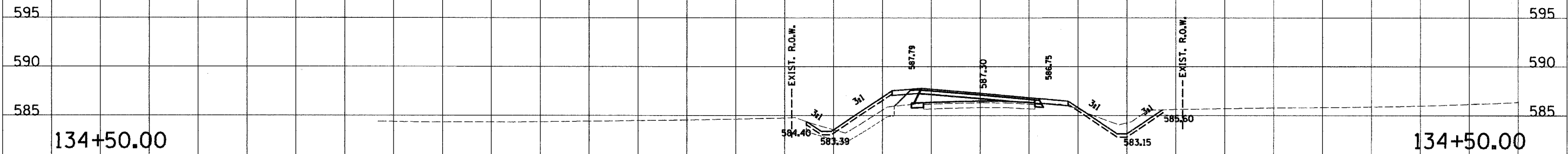
135+50.00 TE1A = 0.0 WE1A = 0.0 WEE1A = 0.0 C1B = 20.5 F1B = 1.7 WTS1B = 0.0 TS1B = 4.8 C3 = 2.1 F3 = 2.5 TS3 = 4.9



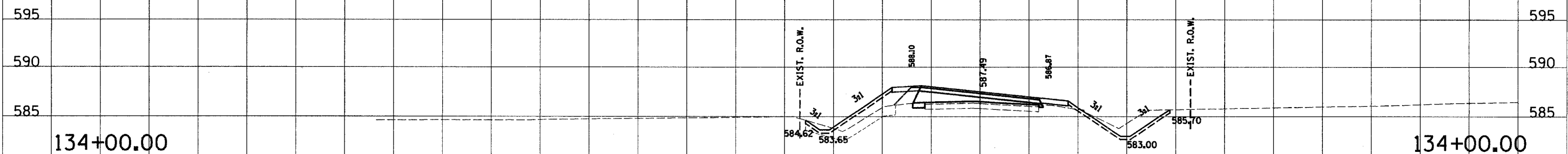
135+12.50 TE1A = 0.0 WE1A = 0.0 WEE1A = 0.0 C1B = 43.7 F1B = 2.4 WTS1B = 0.0 TS1B = 6.7 C3 = 2.5 F3 = 6.5 TS3 = 5.3



135+00.00 TE1A = 0.0 WE1A = 0.0 WEE1A = 0.0 C1B = 37.6 F1B = 2.7 WTS1B = 0.0 TS1B = 6.4 C3 = 2.7 F3 = 8.4 TS3 = 5.5



134+50.00 TE1A = 0.0 WE1A = 0.0 WEE1A = 0.0 C1B = 18.7 F1B = 4.2 WTS1B = 0.0 TS1B = 6.4 C3 = 3.6 F3 = 14.4 TS3 = 5.9



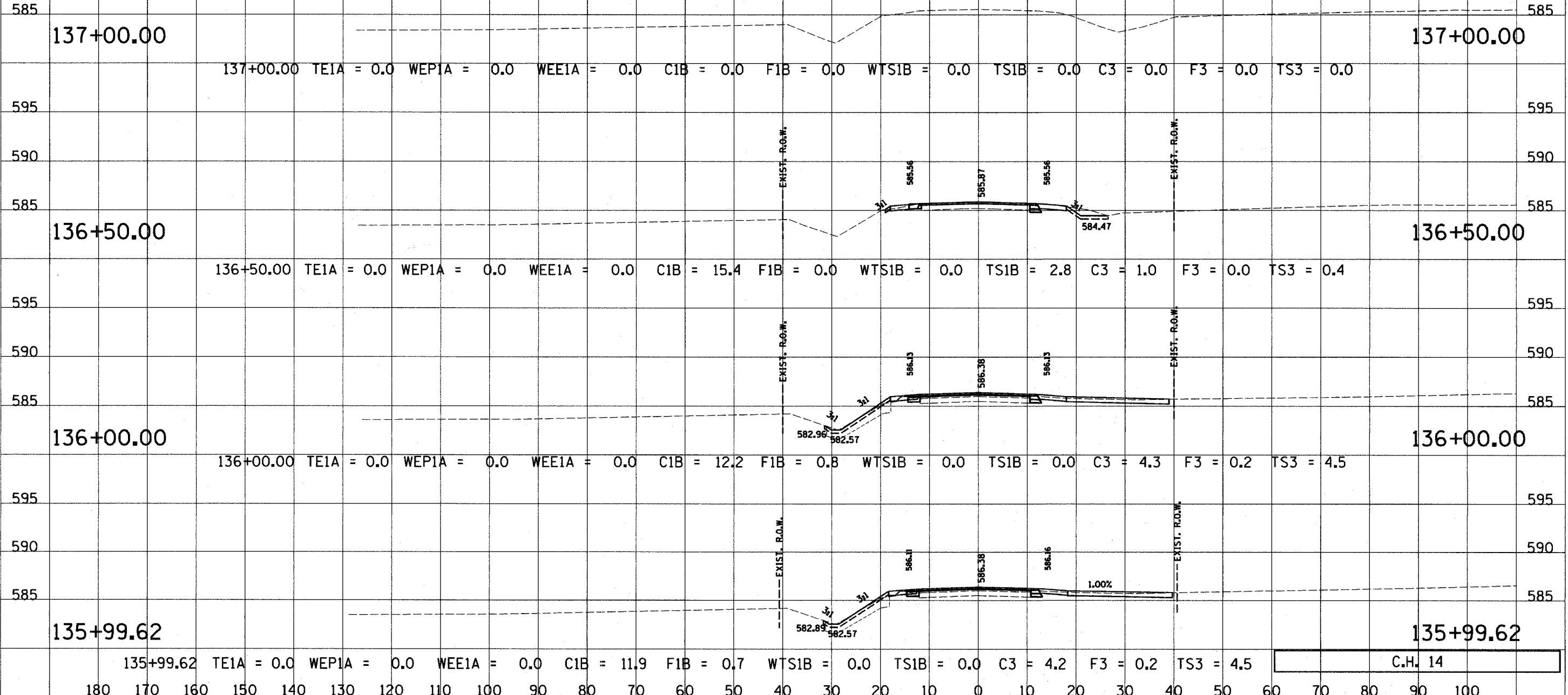
134+00.00 TE1A = 0.0 WE1A = 0.0 WEE1A = 0.0 C1B = 21.7 F1B = 5.7 WTS1B = 0.0 TS1B = 6.9 C3 = 3.7 F3 = 15.9 TS3 = 6.0

C.H. 14

180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100

180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60

RTE. NO. FAS 209 C.H. 14	SECTION NO. 00-00091-00-BR	COUNTY MERCER	TOTAL SHTS. 111	SHEET NO. 111
STA. 87+00.00		TO STA. 87+50.00		
FED. ROAD DIST. NO.		ILLINOIS PROJECT		
CONTRACT NO. 89312		SCALE HORZ. 1"=10' VERT. 1"=5'		



C.H. 14

180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100