89312

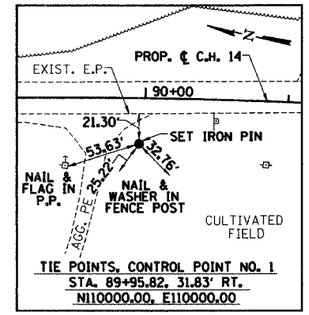
CURVE	NO. 1 CH 14	NO. 2 CH 14	NO. 3 CH 14	NO. 4 ENTRANCE	NO. 5 ENTRANCE	NO. 6 EXISTING	NO. 7 EXISTING
P.I. STA.	91+00.00	99+20.12	127+07.30	15+94.14	22+45.71	99+42.39	126+25.26
P.I. COORD.	N109907.76, E110058.94	N109101.15, E110208.27	N107174.63, E112259.14	N108867.48, E110594.52	N108889.20, E110791.40	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'	547.72'	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

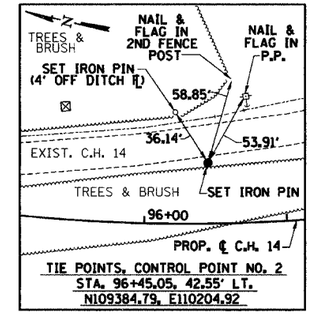
**S.E. ATTAINED:
STA. 94+14.68 TO STA. 95+79.68
S.E. REMOVED:
STA. 102+33.93 TO STA. 103+98.93

***S.E. ATTAINED:
STA. 117+39.38 TO STA. 118+89.38
S.E. REMOVED:
STA. 134+27.13 TO STA. 135+77.13

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

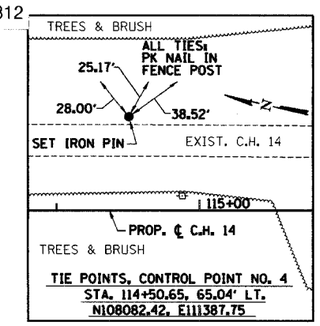


TIE POINTS, CONTROL POINT NO. 1
STA. 89+95.82, 31.83' RT.
N110000.00, E110000.00



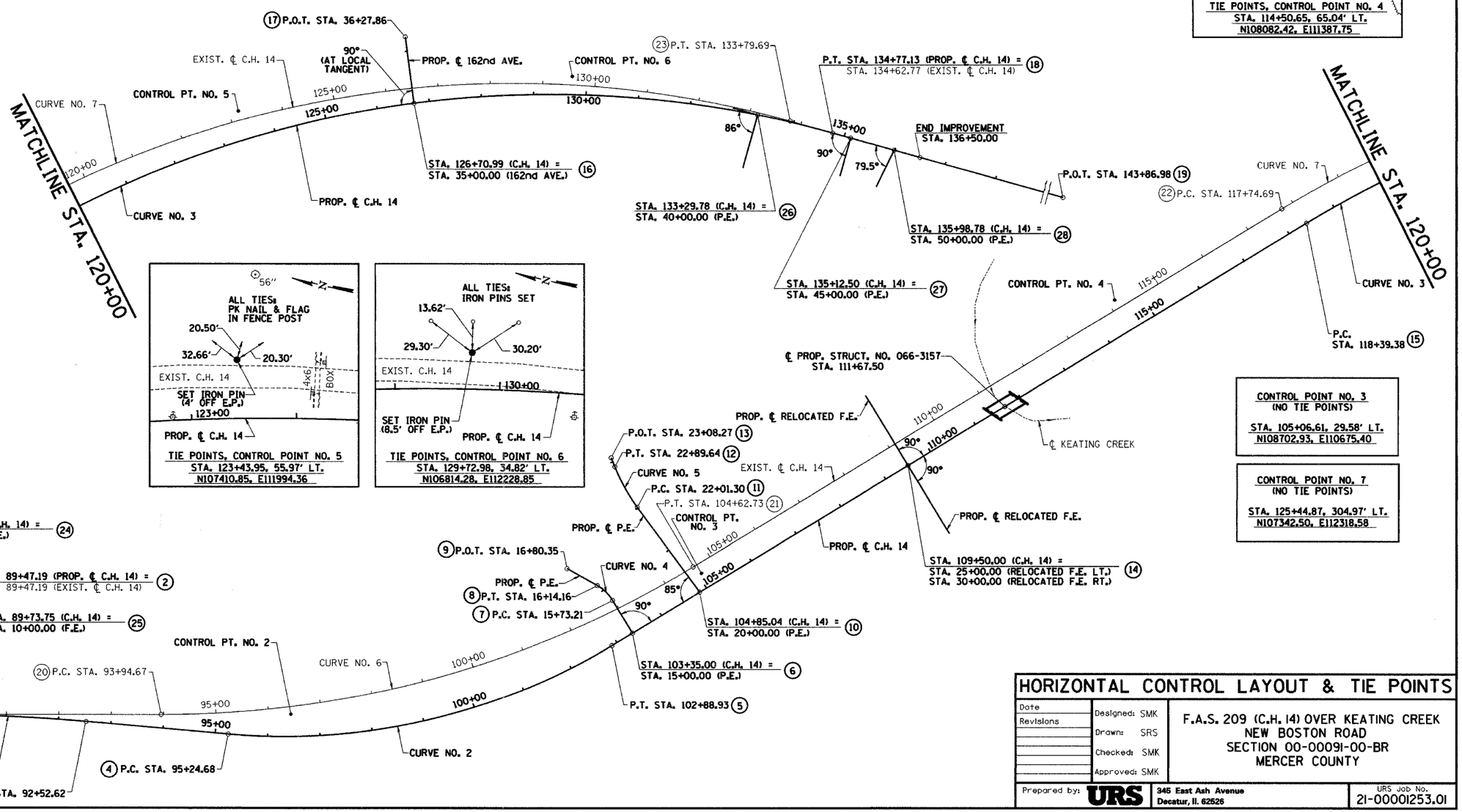
TIE POINTS, CONTROL POINT NO. 2
STA. 96+45.05, 42.55' LT.
N109384.79, E110204.92

89312



TIE POINTS, CONTROL POINT NO. 4
STA. 114+50.65, 65.04' LT.
N108082.42, E111387.75

POINT LOCATION	COORDINATES NORTHING	EASTING
(1) P.O.T.	111166.10	109710.24
(2) P.C.	110055.03	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



CONTROL POINT NO. 3
(NO TIE POINTS)
STA. 105+06.61, 29.58' LT.
N108702.93, E110675.40

CONTROL POINT NO. 7
(NO TIE POINTS)
STA. 125+44.87, 304.97' LT.
N107342.50, E112318.58

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