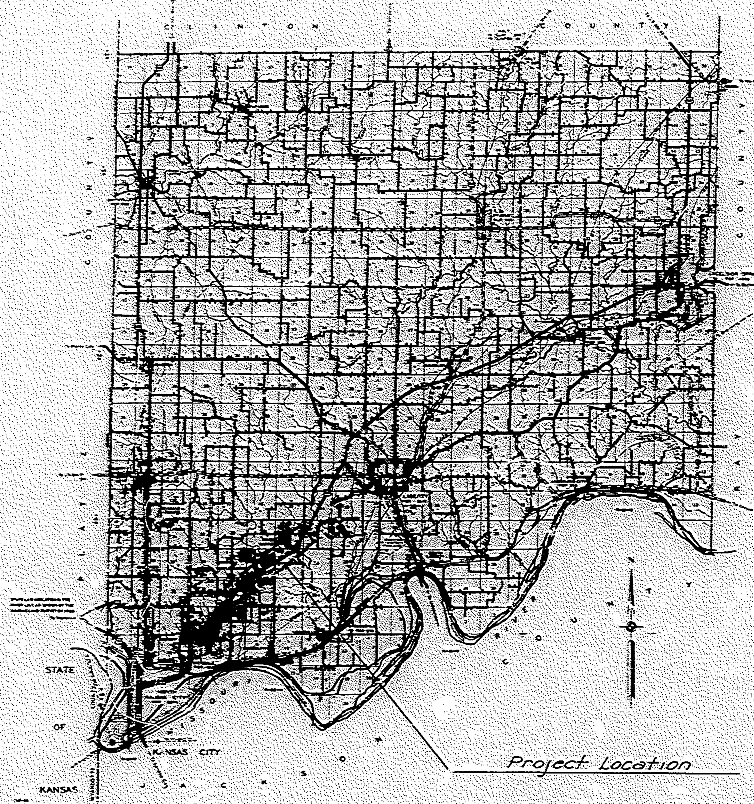
COUNTY
CLAY
STATE ROUTE NO.
F.A.I.-4
PROJECT NO.
I-99(8)

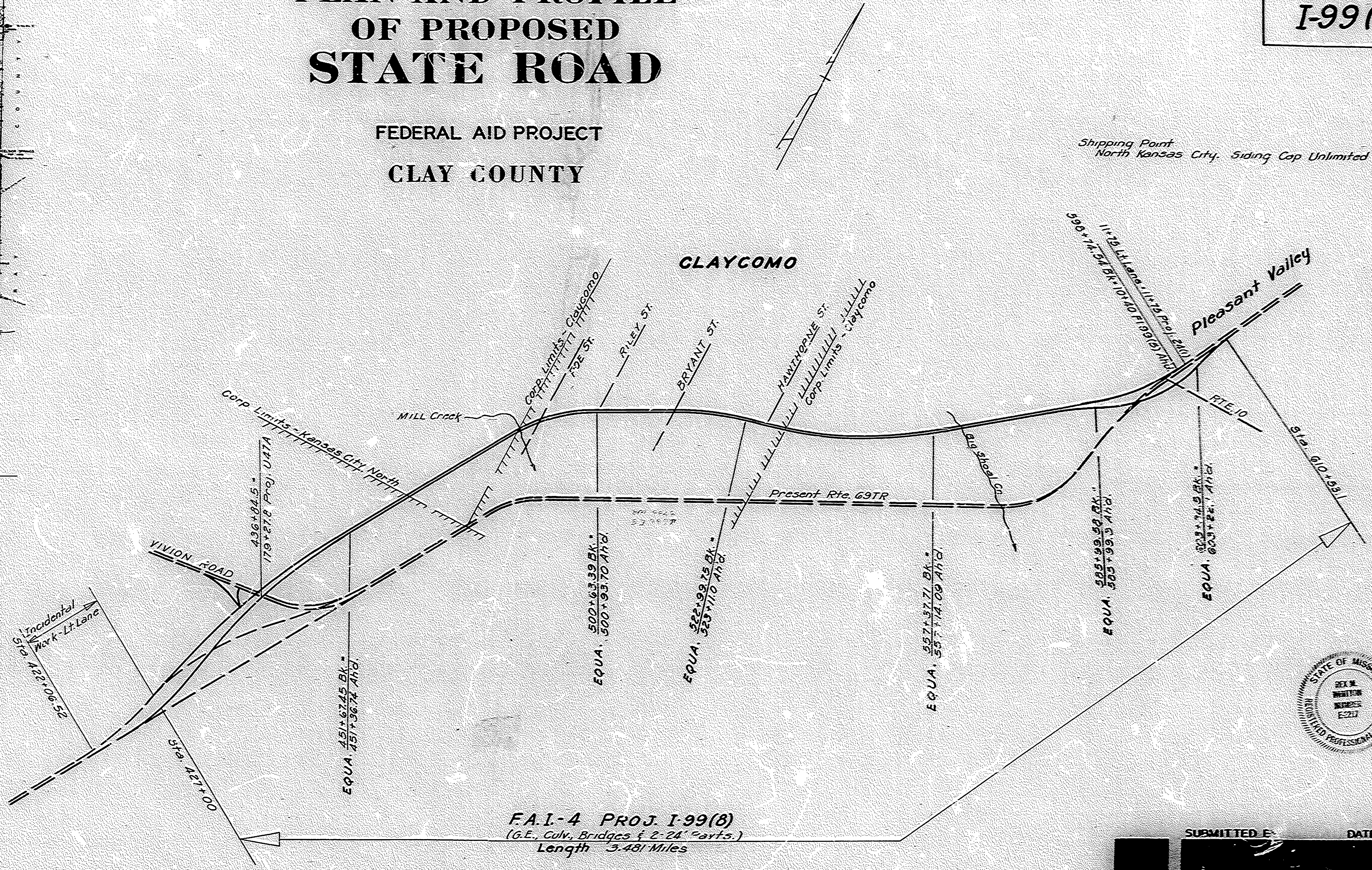
MISSOURI
STATE HIGHWAY COMMISSION
PLAN AND PROFILE
OF PROPOSED
STATE ROAD

FEDERAL AID PROJECT

CLAY COUNTY

LOCATION MAP




Shipping Point
North Kansas City. Siding Cap Unlimited
CLAYCOMO
Corp Limits - Kansas City North
436+84.5 = 179+27.8 Proj. U47A
VIVION ROAD
MILL Creek
Corp. Limits - Claycomo
FOE ST.
RILEY ST.
BRYANT ST.
HAWTHORNE ST.
Corp. Limits - Claycomo
Present Rte. 69TR
Big Shoal Cr.
598+74.54 Bk. = 10+40 FI 99(8) Ahd.
11+75 Lt. Lane = 11+75 Proj. 2A(1)
Pleasant Valley
RTE. 10
Incidental Work - Lt. Lane
Sta. 422+06.52
Sta. 427+00
EQUA. 451+67.45 Bk. = 451+36.74 Ahd.
EQUA. 500+63.39 Bk. = 500+93.70 Ahd.
EQUA. 522+99.75 Bk. = 523+11.0 Ahd.
EQUA. 557+37.71 Bk. = 557+14.09 Ahd.
EQUA. 585+99.58 Bk. = 585+99.9 Ahd.
EQUA. 603+74.9 Bk. = 603+26.1 Ahd.
Sta. 610+53.1

F.A.I.-4 PROJ. I-99(8)
(G.E., Culv., Bridges & 2-24' Parts.)
Length 3.481 Miles

LIMITED ACCESS HIGHWAY

This shall be a limited-access highway between Station 427+00 and Station 610+53.1. Except
at locations and as otherwise specifically shown on these plans, no abutter's rights in, or of
direct access to, from, or across the highway or its rigth of way shall attach or belong to any
property abutting on said section of highway, or to any person merely because of ownership of
such abutting property. There shall be the usual right of access over any location either (1)
shown on these plans as a property entrance (P.E.), field entrance (F.E.), or private underpass,
or (2) where and when any such entrance, underpass, or an open public highway is being maintained
by the governmental agency having authority therefor. Wherever an adjacent outer-roadway is so
shown or maintained, there shall be the usual right of direct access between the abutting prop-
erty and such outer-roadway, and along it to and from the nearest lane of the thruway or a pub-
lic highway. However, during all times while an outer-roadway is being so maintained, there
shall be no right of access over any part of an entrance which lies between said outer-roadway
and the thruway.

----------LEGEND----------

o——————   ——————o BEGINNING AND ENDING OF LIMITED ACCESS

——————+——————+—————— LIMITED ACCESS

CONVENTIONAL SIGNS

STATE AND NATIONAL LINE	LEVEE
COUNTY LINE	CULVERTS
CITY, VILLAGE OR BOROUGH	DROP INLET
TOWNSHIP LINE	TROLLEY POLE ●
SECTION LINE	POWER POLE ■
GRANT LINE	TELEPHONE OR TELEGRAPH POLE ◆
FENCE LINE	MARSH
GUARD RAIL ●—●—●	HEDGE
UNFENCED PROPERTY	
RIGHT OF WAY LINE	GROUND ELEVATION
TRAVELED WAY	
RAILROADS	GRADE ELEVATION
RETAINING WALL	SURFACE LINE
BASE OR SURVEY LINE 30 +50	GRADE LINE

STATE OF MISSOURI
REX M. WHITTON
NUMBER E-217
REGISTERED PROFESSIONAL ENGINEER

AWARDED
FEB 11 -58

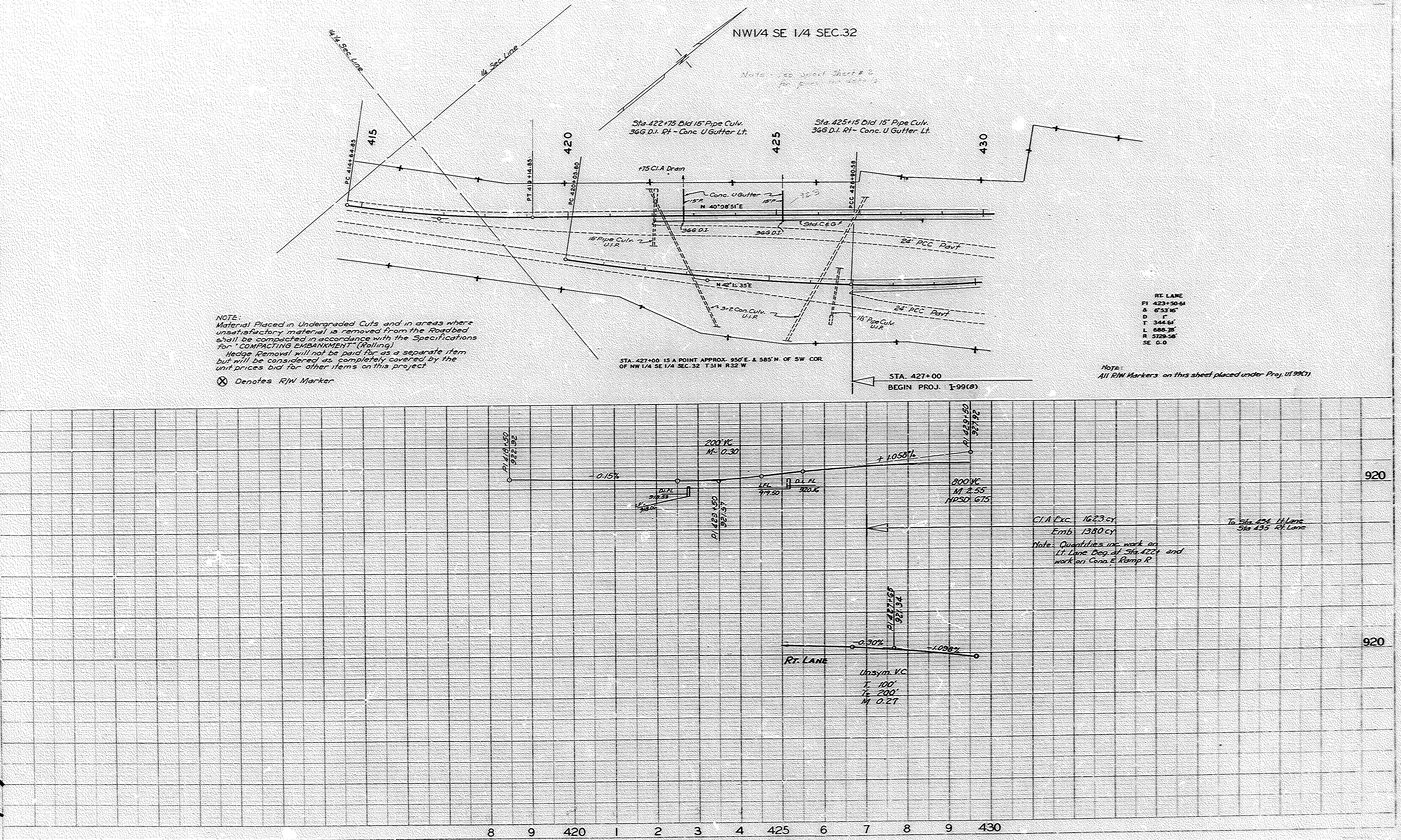
[redacted]

SUBMITTED BY ______ DATE [redacted]

[redacted]

CHIEF ENGINEER
MISSOURI STATE HIGHWAY COMMISSION

5 MO I 99(8) 3
4 CLAY F.A.I. 4



Note - See Sheet # 2 [illegible]

NOTE:
Material Placed in Undergraded Cuts and in areas where unsatisfactory material is removed from the Roadbed shall be compacted in accordance with the Specifications for "COMPACTING EMBANKMENT" (Rolling)

Hedge Removal will not be paid for as a separate item but will be considered as completely covered by the unit prices bid for other items on this project

⊗ Denotes R/W Marker

STA. 427+00 IS A POINT APPROX. 930' E. & 585' N. OF SW COR. OF NW 1/4 SE 1/4 SEC. 32 T51N R32 W

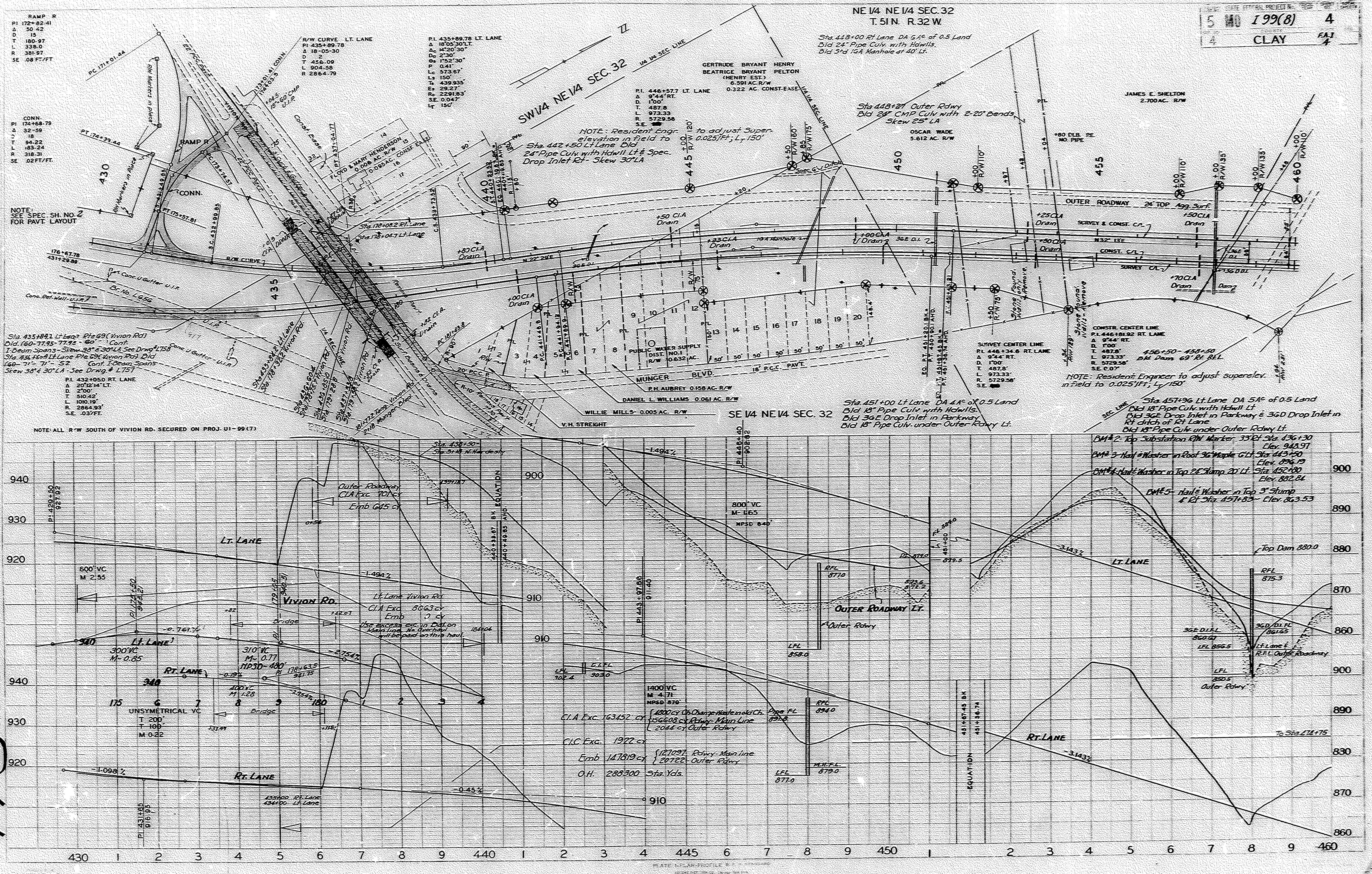
RT. LANE
PI 423+50.61
Δ 6°53'16"
D 1°
T 344.61'
L 688.78'
R 5729.58'
SE G.0

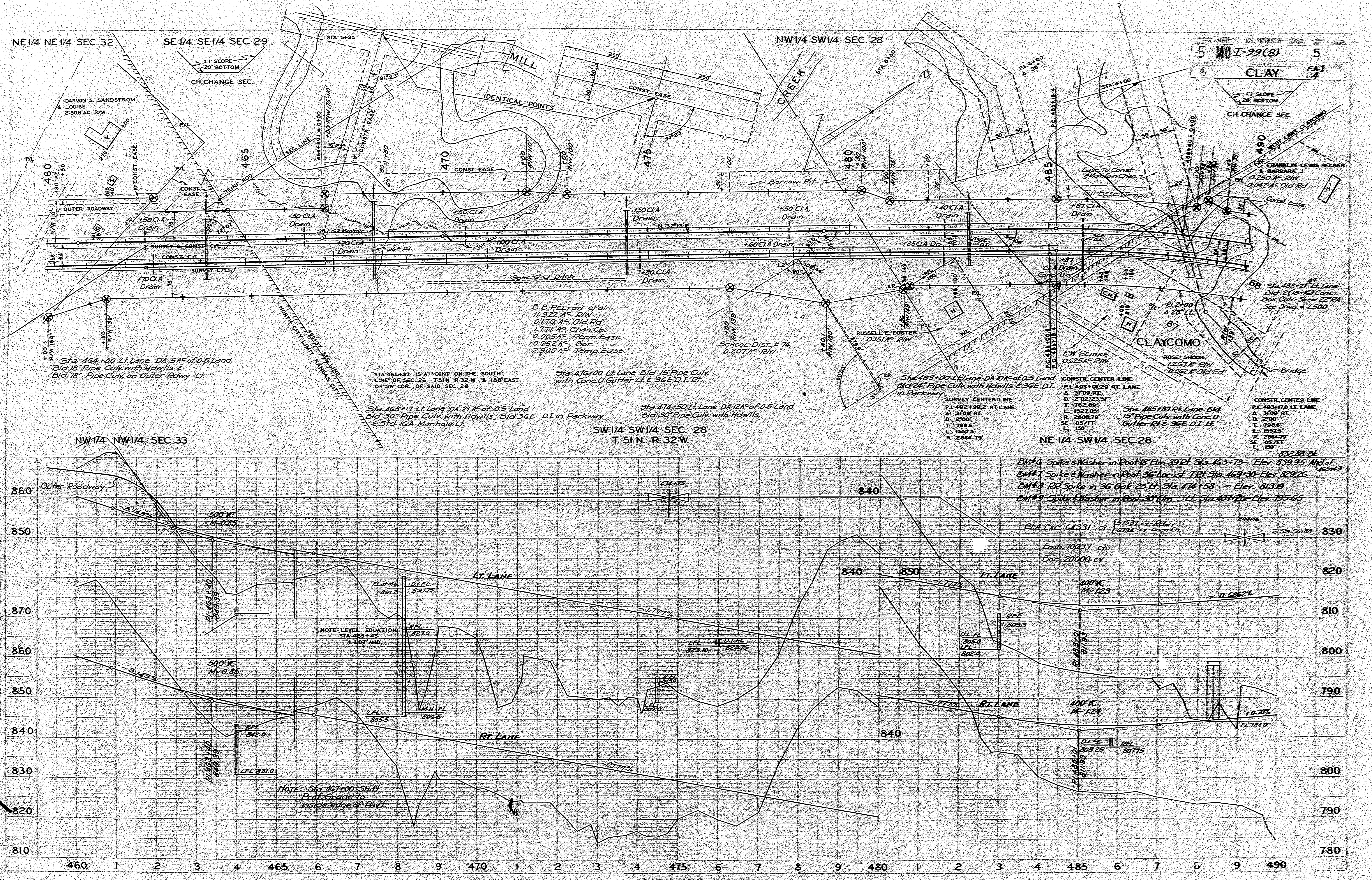
Note:
All R/W Markers on this sheet placed under Proj. U.S. 99(7)

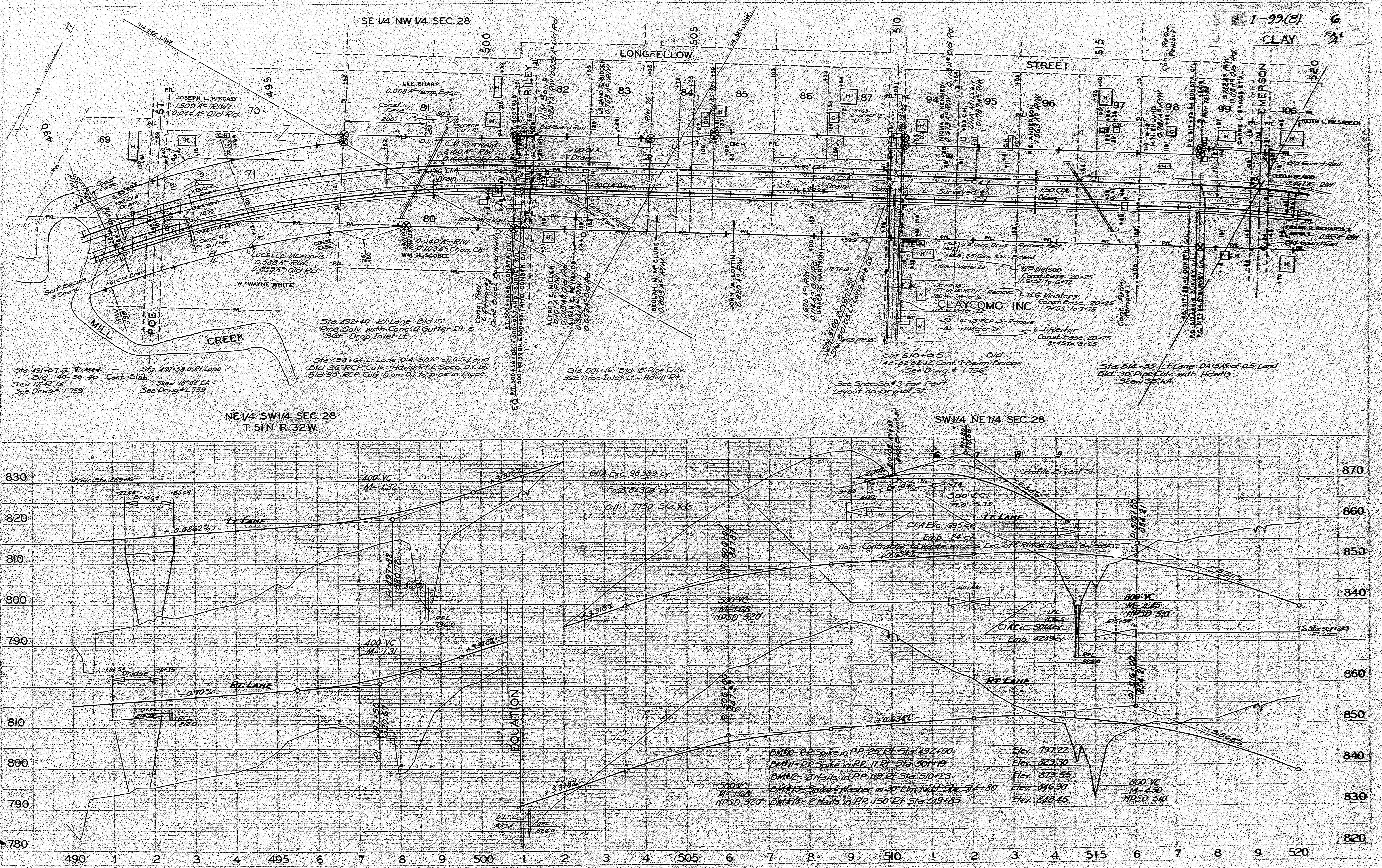
Cl. A Exc. 1623 cy
Emb 1380 cy
Note: Quantities inc. work on Lt. Lane Beg. at Sta. 422+ and work on Conn. E Ramp R

To Sta. 434 Lt. Lane
Sta. 435 Rt. Lane

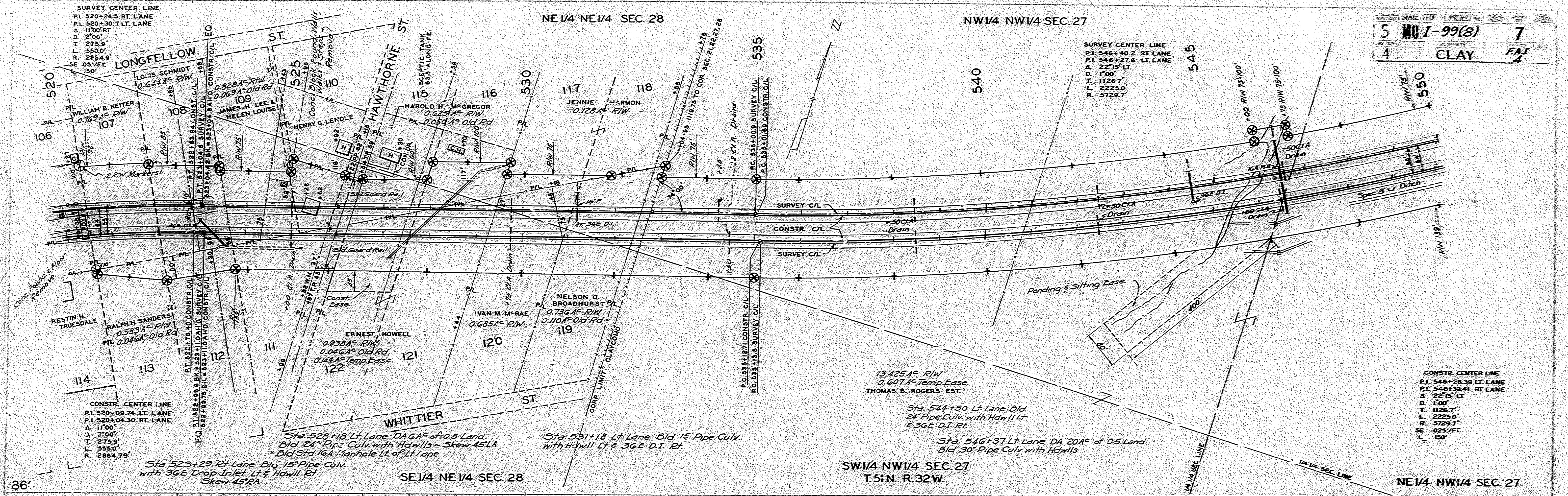
413

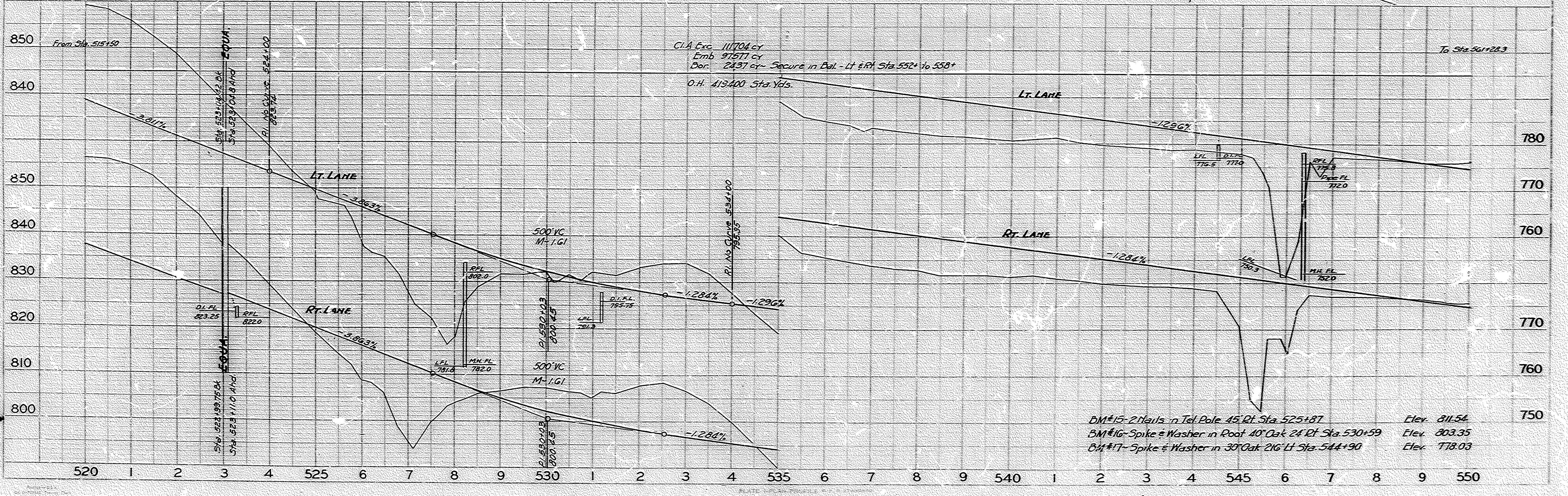

F-7-2
5 MO I 99(8) 4
4 CLAY FAI 4
NE 1/4 NE 1/4 SEC. 32
T. 51 N. R. 32 W.
Sta. 448+00 Rt Lane DA 6 Ac of 0.5 Land
Bld 24" Pipe Culv. with Hdwlls.
Bld Std 1GA Manhole at 40' Lt.
RAMP R
PI 172+82.41
Δ 50 42
D 15
T 180.97
L 338.0
R 381.97
SE .08 FT/FT
CONN.
PI 174+68.79
Δ 32-59
D 18
T 94.22
L 183.24
R 318.31
SE .02 FT/FT.
R/W CURVE LT. LANE
PI 435+89.78
Δ 18-05-30
D 2
T 456.09
L 904.58
R 2864.79
P.I. 435+89.78 LT. LANE
Δ 18°05'30" LT.
Δc 14°20'30"
Dc 2°30'
θs 1°52'30"
P 0.41'
Lc 573.67'
Ls 150'
Ts 439.935'
Es 29.27'
Rc 2291.83'
S.E. 0.047'
LT 150'
SW 1/4 NE 1/4 SEC. 32
1/4 1/4 SEC. LINE
GERTRUDE BRYANT HENRY
BEATRICE BRYANT PELTON
(HENRY EST.)
6.591 AC. R/W
0.322 AC. CONST-EASE
P.I. 446+57.7 LT. LANE
Δ 9°44' RT.
D. 1°00'
T. 487.8
L. 973.33
R. 5729.58
S.E.
NOTE: Resident Engr. to adjust Superelevation in field to 0.025'/Ft; LT 150'
Sta. 442+50 Lt Lane Bld 24" Pipe Culv. with Hdwll Lt & Spec. Drop Inlet Rt - Skew 30° LA
Sta. 448+27 Outer Rdwy
Bld 24" CMP Culv with 2-20° Bends
Skew 25° LA
JAMES E. SHELTON
2.700 AC. R/W
OSCAR WADE
5.612 AC. R/W
PC 171+01.44
PT 174+39.44
R/W Markers in place
RAMP R
CONN.
PC 173+14.57
PT 175+57.81
S.C. 432+99.85
22' PCC Pavt
VIVION RD
173+01.41 CONN.
174+03.5
+04.5 15"-60' CMP U.I.P.
Const. Ease
PT 437+04.17
FLOYD & MARY HENDERSON
0.008 AC. R/W
0.095 AC. CONST. EASE
NOTE:
SEE SPEC. SH. NO. 2
FOR PAVT. LAYOUT
176+67.78
431+29.89
R/W CURVE
430
435
440
445
450
455
460
Conc. Ret. Wall - U.I.P.
Br. No. L656
Conc. U Gutter - U.I.P.
Sta. 435+84.2 Lt Lane Rte 69 (Vivion Rd)
Bld. (60-77.95-77.95-60') Cont.
I-Beam Spans - Skew 38° & 30° LA See Drwg # L758
Sta. 436+60.4 Lt. Lane Rte 69 (Vivion Rd) Bld
(60-71'-71'-52) Cont. I-Beam Spans
Skew 38° & 30° LA - See Drwg. # L757
P.I. 432+05.0 RT. LANE
Δ 20°12'14" LT.
D. 2°00'
T. 510.42'
L. 1010.19'
R. 2864.93'
S.E. .03'/FT.
NOTE: ALL R/W SOUTH OF VIVION RD. SECURED ON PROJ. U1-99(7)
Sta. 178+08.2 Rt. Lane
Sta. 178+04.7 Lt. Lane
C.S. 438+73.52
Const. Ease
Munger Blvd
N 22° 29' E
+80 C.I.A. Drain
+00 C.I.A. Drain
+50 C.I.A. Drain
+33 C.I.A. Drain
+00 C.I.A. Drain
+25 C.I.A. Drain
+50 C.I.A. Drain
+70 C.I.A. Drain
+00 C.I.A. Drain
1GA Manhole
3GE D.I.
3GD D.I.
Spec. 6' V Ditch
OUTER ROADWAY 24' TOP Agg. Surf.
SURVEY & CONST. CL
CONST. CL
SURVEY CL
N 32° 13' E
+80 DLB. PE NO PIPE
MUNGER BLVD.
18' P.C.C. PAVT.
PUBLIC WATER SUPPLY DIST. NO. 1
R/W 0.632 AC.
P.H. AUBREY 0.158 AC. R/W
DANIEL L. WILLIAMS 0.061 AC. R/W
WILLIE MILLS 0.005 AC. R/W
V.H. STREIGHT
SE 1/4 NE 1/4 SEC. 32
Stone Found. only Walls Remove
SURVEY CENTER LINE
P.I. 446+34.6 RT. LANE
Δ 9°44' RT.
D. 1°00'
T. 487.8'
L. 973.33'
R. 5729.58'
S.E.
CONSTR. CENTER LINE
P.I. 446+81.92 RT. LANE
Δ 9°44' RT.
D. 1°00'
T. 487.8'
L. 973.33'
R. 5729.58'
S.E. 0.07'
456+50 - 458+50
Bld Dam 69' Rt. Rt. L.
NOTE: Resident Engineer to adjust superelev. in field to 0.025'/Ft; LT 150'
Sta. 451+00 Lt Lane DA 4 Ac of 0.5 Land
Bld 18" Pipe Culv. with Hdwlls.
Bld 3GE Drop Inlet in Parkway
Bld 18" Pipe Culv. under Outer Rdwy Lt.
SEC. LINE
Sta. 457+96 Lt Lane DA 5 Ac of 0.5 Land
Bld 18" Pipe Culv. with Hdwll Lt
Bld 3GE Drop Inlet in Parkway & 3GD Drop Inlet in Rt ditch of Rt Lane
Bld 18" Pipe Culv. under Outer Rdwy Lt.
BM # 2 - Top Substation R/W Marker 33' Rt Sta. 436+30 Elev. 948.97
BM # 3 - Nail & Washer in Root 36" Maple 6' Lt. Sta. 443+50 Elev. 896.19
BM # 4 - Nail & Washer in Top 24" Stump 20' Lt. Sta. 452+80 Elev. 882.84
BM # 5 - Nail & Washer in Top 3" Stump 4' Rt Sta. 457+83 - Elev. 863.53
P.I. 429+50 927.92
Lt. Lane
600' VC
M 2.55
P.I. 175+50
-1.494%
Vivion Rd.
Lt. Lane Vivion Rd.
Outer Roadway
C.I.A. Exc. 701 cy
Emb. 645 cy
C.I.A. Exc. 8063 cy
Emb. 0 cy
Use excess exc. in Dam on Main Line. No Overhaul will be paid on this haul.
Bridge
Lt. Lane
300' VC
M -0.85
-0.761%
310' VC
M -0.71
NPSD 480'
Rt. Lane
-0.19%
400' VC
M 1.28
-2.754%
UNSYMMETRICAL VC
T 200'
T 100'
M 0.22
P.I. 431+85 916.95
-1.098%
Rt. Lane
-0.45%
435+00 Rt. Lane
434+00 Lt. Lane
440+39.87 BK
440+40.65 AHD
EQUATION
P.I. 446+40 902.62
P.I. 443+97.86 911.40
800' VC
M -1.65
NPSD 840'
1400' VC
M 4.71
NPSD 879'
LFL 902.4
C.I. FL 903.0
C.I.A. Exc. 163452 cy
4800 cy Ch. Change - Waste in old Ch.
156608 cy Rdwy - Main Line
2044 cy Outer Rdwy
C.I.C. Exc. 1922 cy
Emb 147819 cy
127097 Rdwy - Main line
20722 - Outer Rdwy
O.H. 288300 Sta. Yds.
Pipe FL 891.8
RFL 894.0
LFL 877.0
M.H. FL. 879.0
RFL 877.0
LFL 858.0
Outer Roadway Lt.
Outer Rdwy
451+00
451+67.45 BK
451+36.74
EQUATION
-3.143%
Lt. Lane
Rt. Lane
-3.143%
Top Dam 880.0
RFL 875.3
3GE D.I. FL
3GD D.I. FL 861.65
LFL 856.5
Lt. Lane & R.F.L. Outer Roadway
LFL 850.5
Outer Rdwy
To Sta. 474+75
940
930
920
910
900
890
880
870
860
830
175
180
PLATE 1 - PLAN - PROFILE


5 MO I-99(8) 5
4 CLAY FAI 4
NE 1/4 NE 1/4 SEC. 32
SE 1/4 SE 1/4 SEC. 29
NW 1/4 SW 1/4 SEC. 28
1:1 SLOPE
20' BOTTOM
CH. CHANGE SEC.
DARWIN S. SANDSTROM & LOUISE 2.308 AC. R/W
MILL
CREEK
IDENTICAL POINTS
CONST. EASE.
CONSTR. EASE.
OUTER ROADWAY
SURVEY & CONST. C/L
CONST. C/L
SURVEY C/L
REINF. ROD
SEC. LINE
Borrow Pit
+50 Cl.A Drain
+70 Cl.A Drain
+20 Cl.A Drain
+00 Cl.A Drain
+80 Cl.A Drain
+60 Cl.A Drain
+35 Cl.A Dr.
+40 Cl.A Drain
+87 Cl.A Drain
Std. 1GA Manhole
3GE D.I.
N. 32°13'E
Spec. 6' V Ditch
Fill Ease. (Temp.)
Ease. To Const. & Maintain Chan.
Const. Ease.
WEST LIMIT CLAYCOMO
FRANKLIN LEWIS BECKER & BARBARA J.
0.250 Ac R/W
0.042 Ac Old Rd.
Sta. 488+21 49 Lt. Lane Bld 2(15×16) Conc. Box Culv.-Skew 22° RA See Drwg. # L500
P.I. 2+00
Δ 28° Lt.
CLAYCOMO
L.W. REINKE 0.625 Ac R/W
ROSE SHOOK 1.267 Ac R/W 0.262 Ac Old Rd.
Bridge
RUSSELL E. FOSTER 0.151 Ac R/W
SCHOOL DIST. # 74 0.207 Ac R/W
B.B. PELTON et al
11.322 Ac R/W
0.170 Ac Old Rd.
1.771 Ac Chan. Ch.
0.005 Ac Perm. Ease.
0.652 Ac Bor.
2.905 Ac Temp. Ease.
NORTH CITY LIMIT KANSAS CITY
465+37 SEC. LINE
Sta. 464+00 Lt. Lane DA 5Ac of 0.5 Land. Bld 18" Pipe Culv. with Hdwlls & Bld 18" Pipe Culv. on Outer Rdwy. Lt.
STA 465+37 IS A POINT ON THE SOUTH LINE OF SEC. 28 T51N R32W & 188' EAST OF SW COR. OF SAID SEC. 28
Sta. 468+17 Lt. Lane DA 21 Ac of 0.5 Land Bld 30" Pipe Culv. with Hdwlls; Bld 3GE D.I. in Parkway & Std. 1GA Manhole Lt.
Sta. 476+00 Lt. Lane Bld 15" Pipe Culv. with Conc. U Gutter Lt. & 3GE D.I. Rt.
Sta. 474+50 Lt. Lane DA 12Ac of 0.5 Land Bld 30" Pipe Culv. with Hdwlls.
Sta. 483+00 Lt. Lane-DA 10Ac of 0.5 Land Bld 24" Pipe Culv. with Hdwlls & 3GE D.I. in Parkway
SURVEY CENTER LINE
P.I. 492+99.2 RT. LANE
Δ 31°09' RT.
D 2°00'
T. 798.6'
L. 1557.5'
R. 2864.79'
CONSTR. CENTER LINE
P.I. 493+61.29 RT. LANE
Δ 31°09' RT.
D. 2°02'23.51"
T. 782.89'
L. 1527.05'
R. 2808.79'
SE .05/FT.
Lt 150'
Sta. 485+87 Rt. Lane Bld 15" Pipe Culv. with Conc. U Gutter Rt. & 3GE D.I. Lt.
CONSTR. CENTER LINE
P.I. 493+17.0 LT. LANE
Δ 31°09' RT.
D. 2°00'
T. 798.6'
L. 1557.5'
R. 2864.79'
SE .05/FT.
Lt 150'
SW 1/4 SW 1/4 SEC. 28
T. 51 N. R. 32 W.
NE 1/4 SW 1/4 SEC. 28
NW 1/4 NW 1/4 SEC. 33
BM#6 Spike & Washer in Root 18" Elm 39' Rt. Sta. 463+73 - Elev. 839.95 Ahd of 465+43 838.88 Bk
BM#7 Spike & Washer in Root 36" Locust 7' Rt. Sta. 469+30 - Elev. 829.26
BM#8 RR Spike in 36" Oak 25' Lt. Sta. 474+58 - Elev. 813.19
BM#9 Spike & Washer in Root 30" Elm 3' Lt. Sta. 481+26 - Elev. 795.65
Cl.A Exc. 64331 cy { 57537 cy - Rdwy 6794 cy - Chan. Ch.
Emb. 70637 cy
Bor. 20000 cy
Outer Roadway
Lt. Lane
Rt. Lane
-3.143%
-1.777%
+0.686%
+0.70%
500' VC M-0.85
400' VC M-1.23
400' VC M-1.24
P.I. 463+40 849.99
P.I. 485+01 811.93
NOTE: LEVEL EQUATION STA 465+43 + 1.07' AHD.
Note: Sta. 467+00 Shift Prof. Grade to inside edge of Pav't.
474+75
489+16 To Sta. 511+88
FL at M.H. 837.2
D.I. FL 837.75
RFL 827.0
LFL 805.5
M.H. FL 806.5
RFL 842.0
LFL 831.0
LFL 823.10
D.I. FL 823.75
RFL 813.0
LFL 809.0
D.I. FL 805.0
LFL 802.0
RFL 809.3
D.I. FL 808.25
RFL 807.75
FL 784.0
860 850 870 860 850 840 830 820 810
840 830 820 810 800 790 800 790 780
460 1 2 3 4 465 6 7 8 9 470 1 2 3 4 475 6 7 8 9 480 1 2 3 4 485 6 7 8 9 490
PLATE 1-PLAN-PROFILE


I-99(8)
6
CLAY
F.A.L 4
SE 1/4 NW 1/4 SEC. 28
1/4 SEC. LINE
490
495
500
505
510
515
520
LONGFELLOW
STREET
POE ST.
RILEY
EMERSON
MILL CREEK
69
70
71
80
81
82
83
84
85
86
87
94
95
96
97
98
99
106
JOSEPH L. KINCAID
1.509 A^c R/W
0.044 A^c Old Rd
LEE SHARP
0.008 A^c Temp. Ease.
Const. Ease.
200'
80'
30" RCP U.I.P.
D.I.
C.M. PUTNAM
2.150 A^c R/W
0.100 A^c Old Rd.
+50 Cl.A Drain
36E D.I.
Bld Guard Rail
0.040 A^c R/W
0.103 A^c Chan. Ch.
WM. H. SCOBEE
LUCELLE MEADOWS
0.588 A^c R/W
0.059 A^c Old Rd.
W. WAYNE WHITE
CONST. EASE.
Const. Ease.
S. 85°29'E.
+92 Cl.A Drain
+75 Cl.A Drain
36E D.I. 15"P
+44 Cl.A Drain
Conc. U Gutter
+61 Cl.A Drain
Surf. Basins & Drains
R/W 75'
R/W 139'
496+00 R/W 139'
N.M. SOLIS
0.247 A^c R/W: 0.036 A^c Old Rd.
LELAND E. SIDDEN
0.755 A^c R/W
R/W 75'
R/W 85'-95'
C.H.
+00 Cl.A Drain
+50 Cl.A Drain
Conc. Pipe Rem.
Conc. Bl. Found.
Conc. Pad & Remove
Conc. Block Found. Walls
P.T. 500+45.45 CONSTR. C/L
P.T. 500+75.9
600+68.1 BK. = 500+93.7 AHD. SURVEY C/L
600+63.39 BK. = 500+93.7 AHD. CONSTR. C/L
EQ.
ALFRED E. MILLER
0.101 A^c R/W
0.015 A^c Old Rd.
SUSAN E. REYNOLDS
0.341 A^c R/W
0.053 A^c Old Rd.
BEULAH M. McCLURE
0.803 A^c R/W
JOHN W. LOFTIN
0.820 A^c R/W
1.605 A^c R/W
0.114 A^c Old Rd.
GRACE C. HARTSON
+18 TP 18"
3+63 12"-18" RCP 12' U.I.P.
N. 63°22'E.
N. 63°22'E.
+00 Cl.A Drain
Const.
+59.9 P.E.
Sta. 5+00 Bryant St.
Sta. 510+05 Lt. Lane Rte. 69
+05 PP 18"
R/W 25'-25'
NIOMA B. KENNEDY
0.673 A^c R/W: 0.113 A^c Old Rd.
UNA MILLER
0.787 A^c R/W
+03 C.H.
R.E. ANDERSON
1.563 A^c R/W
Surveyed ℄
+50 Cl.A Drain
+56 / +62.2 } 1-8' Conc. Drive - Remove Part
+88.8 - 2.5' Conc. S.W. - Extend
+10 Gas Meter 23'
Wm. Nelson
Const. Ease. 20'-25'
6+52 to 6+72
+70 PP 18"
+77 - 6"-15' RCP 15' - Remove
+86 Gas Meter 15'
N.G. Masters
Const. Ease. 20'-25'
7+55 to 7+75
CLAYCOMO INC.
+09 W. Meter 22'
+59 6"-13' RCP-13' - Remove
+83 W. Meter 21'
E.J. Reiter
Const. Ease. 20'-25'
8+45 to 8+65
Conc. Pad Remove
Conc. Pad Remove
H.N. EKLUND
0.781 A^c R/W
CARRIE L. BRIGGS ETAL
0.722 A^c R/W
0.124 A^c Old Rd.
P.C. 517+33.04 CONSTR. C/L
P.C. 517+28.40 CONSTR. C/L
P.C. 517+40.6 SURVEY C/L
P.C. 517+54.5 SURVEY C/L
KEITH L. FILSABECK
Bld Guard Rail
CLEO H. BEARD
0.467 A^c R/W
FRANK R. RICHARDS & ANNA L.
0.355 A^c R/W
Bld Guard Rail
H
G
C.H.
P/L
Sta. 491+07.12 ℄ Med. ~ Sta. 491+58.0 Rt. Lane
Bld. 40-50-40' Cont. Slab.
Skew 17°42' LA
See Drwg.# L759
Skew 18°04' LA
See Drwg.# L759
Sta. 492+40 Rt Lane Bld 15" Pipe Culv. with Conc. U Gutter Rt. & 36E Drop Inlet Lt.
Sta. 498+64 Lt Lane D.A. 30 A^c of 0.5 Land
Bld 36" RCP Culv. - Hdwll Rt & Spec. D.I. Lt.
Bld 30" RCP Culv. from D.I. to pipe in Place
Sta. 501+16 Bld 18" Pipe Culv.
36E Drop Inlet Lt. - Hdwll Rt.
Sta. 510+0.5 Bld
42'-52-52-42' Cont. I-Beam Bridge
See Drwg.# L756
See Spec. Sh.#3 For Pav't Layout on Bryant St.
Sta. 514+55 Lt Lane DA 15 A^c of 0.5 Land
Bld 30" Pipe Culv. with Hdwlls
Skew 35° RA
NE 1/4 SW 1/4 SEC. 28
T. 51 N. R. 32 W.
SW 1/4 NE 1/4 SEC. 28
830
820
810
800
790
780
870
860
850
840
830
820
From Sta. 489+16
+22.68
+55.29
Bridge
Lt. Lane
+0.6862%
400' VC
M - 1.32
+3.318%
P.I. 497+82
820.72
L.F.L. 803.0
R.F.L. 796.0
Cl. A Exc. 98389 cy
Emb 84364 cy
O.H. 7750 Sta. Yds.
P.I. 506+00
847.87
+3.318%
500' VC
M - 1.68
NPSD 520'
+0.634%
511+88
Sta. 510+05 Rte. 69
Sta. 5+00 Bryant St.
P.I. 7+80
874.86
6
7
8
9
Profile Bryant St.
+2.70%
3+89
6+32
Bridge
6+24
500' V.C.
M.O. = 5.75
-6.50%
Lt. Lane
Cl. A Exc. 695 cy
Emb. 24 cy
Note: Contractor to waste excess Exc. off R/W at his own expense
P.I. 516+00
854.21
-3.811%
800' VC
M - 4.45
NPSD 510'
L.F.L. 836.5
R.F.L. 826.0
Cl. A Exc. 5014 cy
Emb. 4249 cy
515+50
To Sta. 561+28.3 Rt. Lane
+91.56
+24.15
Bridge
Rt. Lane
+0.70%
D.F.L. 813.78
R.F.L. 812.0
400' VC
M - 1.31
+3.318%
P.I. 497+80
820.67
EQUATION
D.F.L. 827.4
R.F.L. 826.0
+3.318%
P.I. 506+00
847.37
500' VC
M - 1.68
NPSD 520'
+0.634%
Rt. Lane
P.I. 516+00
854.21
-3.863%
800' VC
M - 4.50
NPSD 510'
BM#10 - R.R. Spike in P.P. 25' Rt Sta. 492+00 Elev. 797.22
BM#11 - R.R. Spike in P.P. 11' Rt. Sta. 501+19 Elev. 823.30
BM#12 - 2 Nails in P.P. 119' Rt Sta. 510+23 Elev. 873.55
BM#13 - Spike & Washer in 30" Elm 15' Lt. Sta. 514+80 Elev. 846.90
BM#14 - 2 Nails in P.P. 150' Rt Sta. 519+85 Elev. 848.45
490
1
2
3
4
495
6
7
8
9
500
1
2
3
4
505
6
7
8
9
510
1
2
3
4
515
6
7
8
9
520
PLAN
PROFILE

5	MO	I-99(8)	7
4	CLAY		FAI 4





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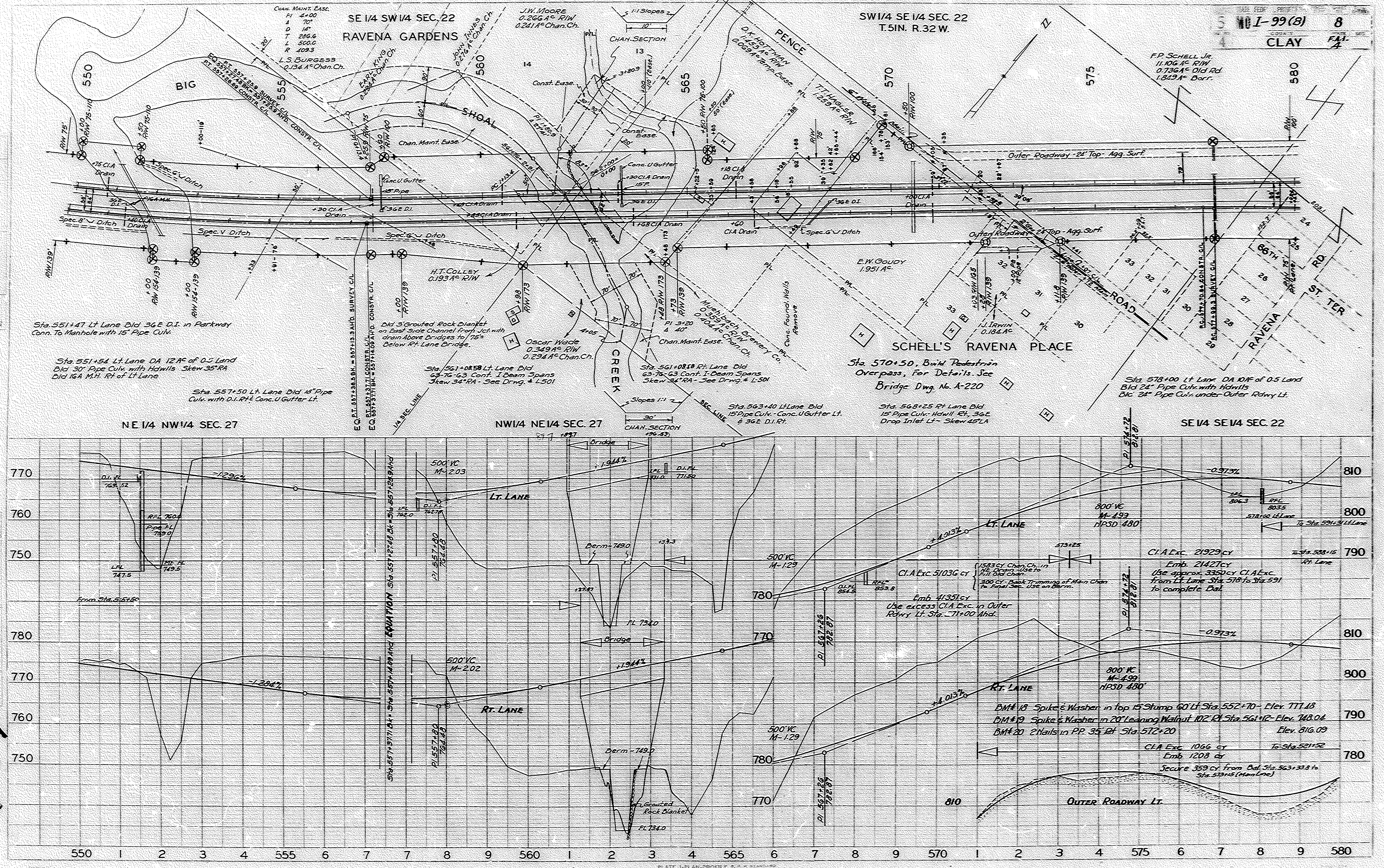
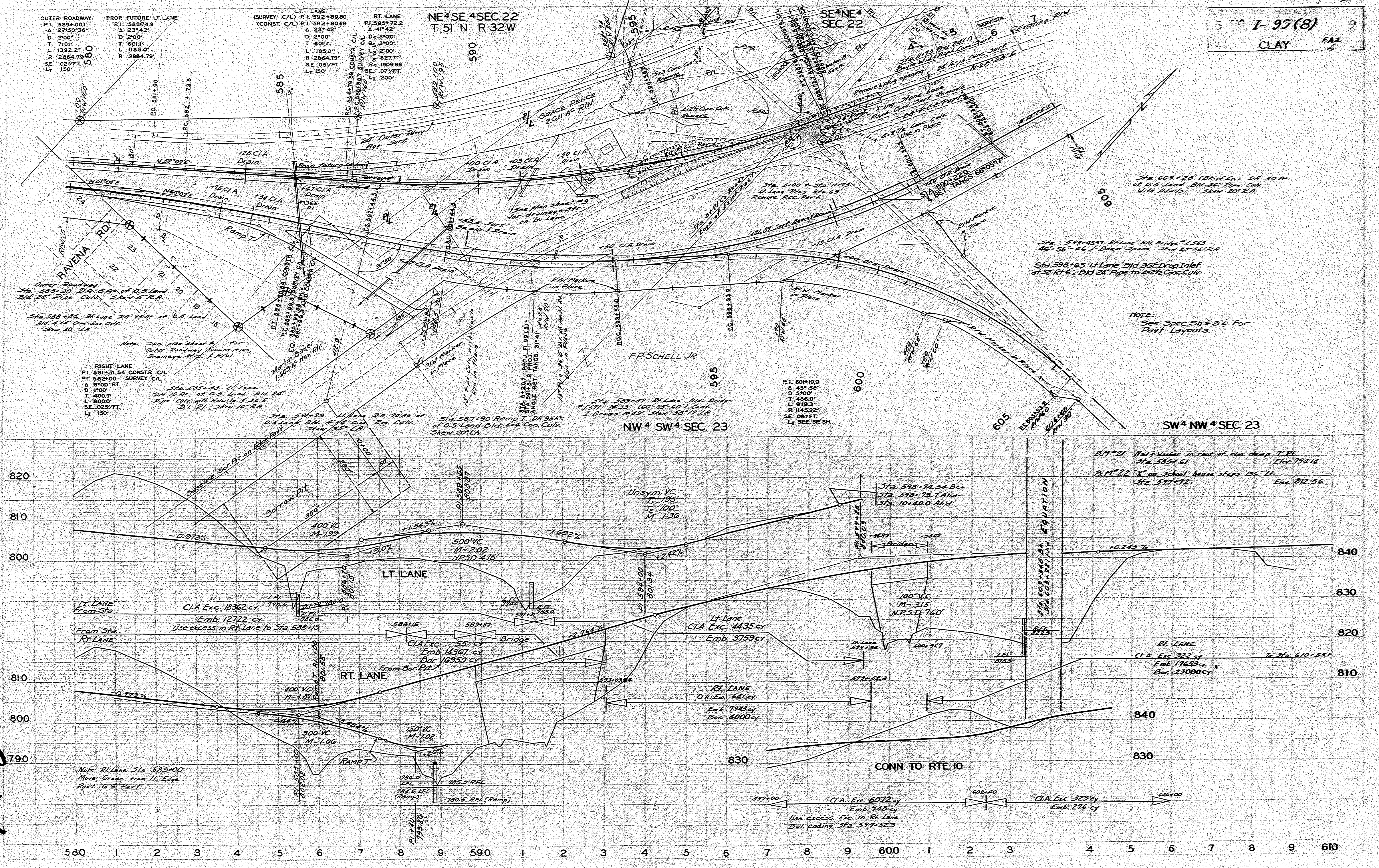

I-99(8) 8
CLAY F.A.I. 4
SE 1/4 SW 1/4 SEC. 22
RAVENA GARDENS
SW 1/4 SE 1/4 SEC. 22
T. 51N. R. 32 W.
CHAN. MAINT. EASE.
PI 4+00
Δ 70°
D 14°
T 286.6
L 500.0
R 409.3
L.S. BURGESS
0.134 Ac Chan. Ch.
EARL KING
0.294 Ac Chan. Ch.
JOHN INNES
0.376 Ac Chan. Ch.
J.W. MOORE
0.266 Ac R/W
0.241 Ac Chan. Ch.
1:1 Slopes
10'
CHAN. SECTION
D.K. HOFFMAN
1.153 Ac R/W
0.009 Ac Temp. Ease.
T.T. HAGLER
1.239 Ac R/W
PENCE
ROAD
F.P. SCHELL JR.
11.106 Ac R/W
0.736 Ac Old Rd
1.849 Ac Borr.
BIG
SHOAL
CREEK
550
555
560
565
570
575
580
E.Q. P.T. 557+38.5 BK. = 557+13.3 AHD. SURVEY C/L
E.Q. P.T. 557+37.71 CONSTR. C/L
E.Q. 557+37.71 BK. = 557+14.09 AHD. CONSTR. C/L
Chan. Maint. Ease.
Const. Ease.
Conc. U Gutter
18" Pipe
36E D.I.
Spec. 6' V Ditch
Spec. V Ditch
Spec. 8' V Ditch
Cl. A Drain
Outer Roadway - 24' Top - Agg. Surf.
Outer Roadway 24' Top - Agg. Surf.
H.T. COLLEY
0.193 Ac R/W
E.W. GOUDY
1.951 Ac
Oscar Wade
0.349 Ac R/W
0.294 Ac Chan. Ch.
Muehlbach Brewery Co.
0.359 Ac R/W
0.404 Ac Chan. Ch.
PI 3+20
Δ 40°
Conc. Found. Walls Remove
J. IRWIN
0.184 Ac
66TH ST. TER
RAVENA RD.
SCHELL'S RAVENA PLACE
Sta. 551+47 Lt Lane Bld 36E D.I. in Parkway
Conn. To Manhole with 15" Pipe Culv.
Sta. 551+54 Lt. Lane DA 12 Ac of 0.5 Land
Bld 30" Pipe Culv. with Hdwlls Skew 35° RA
Bld 16A M.H. Rt of Lt Lane
Sta. 557+50 Lt. Lane Bld 18" Pipe
Culv. with D.I. Rt & Conc. U Gutter Lt.
Bld 3' Grouted Rock Blanket
on East Side Channel from Jct. with
drain Above Bridges to 75'±
Below Rt. Lane Bridge.
Sta. 561+08.58 Lt. Lane Bld
63-76-63 Cont. I-Beam Spans
Skew 34° RA - See Drwg. # L-501
Sta. 561+08.58 Rt. Lane Bld
63-76-63 Cont. I-Beam Spans
Skew 34° RA - See Drwg. # L-501
Slopes 1:1
30'
CHAN. SECTION
+96.53
SEC. LINE
1/4 SEC. LINE
Sta. 563+40 Lt Lane Bld
15" Pipe Culv. - Conc. U Gutter Lt.
& 36E D.I. Rt.
Sta. 570+50, Build Pedestrian
Overpass, For Details. See
Bridge Dwg. No. A-220
Sta. 568+25 Rt Lane Bld
15" Pipe Culv. - Hdwll Rt., 36E
Drop Inlet Lt. - Skew 45° LA
Sta. 578+00 Lt Lane DA 10 Ac of 0.5 Land
Bld 24" Pipe Culv. with Hdwlls
Bld 24" Pipe Culv. under Outer Rdwy Lt.
NE 1/4 NW 1/4 SEC. 27
NW 1/4 NE 1/4 SEC. 27
SE 1/4 SE 1/4 SEC. 22
Bridge
-1.296%
-1.284%
+1.944%
+4.013%
-0.973%
500' VC
M-2.03
M-2.02
M-1.29
800' VC
M-4.93
M-4.99
NPSD 480'
Lt. LANE
Rt. LANE
Berm - 749.0
FL 734.0
Grouted Rock Blanket
D.I. FL 769.52
RFL 760.0
Pipe FL 759.0
LFL 747.5
M.H. FL 749.5
PI 557+80 764.48
PI 567+26 782.87
PI 574+72 812.81
Sta. 557+37.71 Bk. = Sta. 557+14.09 Ahd. EQUATION
From Sta. 545+50
573+25
Cl. A Exc. 51036 cy
1583 cy Chan. Ch. in NE Drain - Use to Fill Old Chan.
300 cy - Bank Trimming of Main Chan to Final Sec. Use on Berm.
Emb. 41351 cy
Use excess Cl. A Exc. in Outer Rdwy Lt. Sta. 571+00 Ahd.
Cl. A Exc. 21929 cy
Emb. 21427 cy
Use approx. 3350 cy Cl. A Exc.
from Lt. Lane Sta. 578 to Sta. 591
to complete Bal.
To Sta. 588+15 Rt. Lane
578+00 Lt. Lane
To Sta. 591+31 Lt. Lane
LFL 806.3
RFL 803.5
BM# 18 Spike & Washer in top 15" Stump 60' Lt Sta. 552+70 - Elev. 777.18
BM# 19 Spike & Washer in 20" Leaning Walnut 102' Rt Sta. 561+12 - Elev. 748.04
BM# 20 2 Nails in P.P. 35' Rt Sta. 572+20 Elev. 816.09
Cl. A Exc. 1066 cy
Emb. 1208 cy
To Sta. 521+52
Secure 359 cy from Bal. Sta. 563+33.8 to Sta. 573+15 (Main Line)
OUTER ROADWAY LT.
770
760
750
780
810
800
790
550
1
2
3
4
555
6
7
8
9
560
1
2
3
4
565
6
7
8
9
570
1
2
3
4
575
6
7
8
9
580
PLATE 1 - PLAN-PROFILE



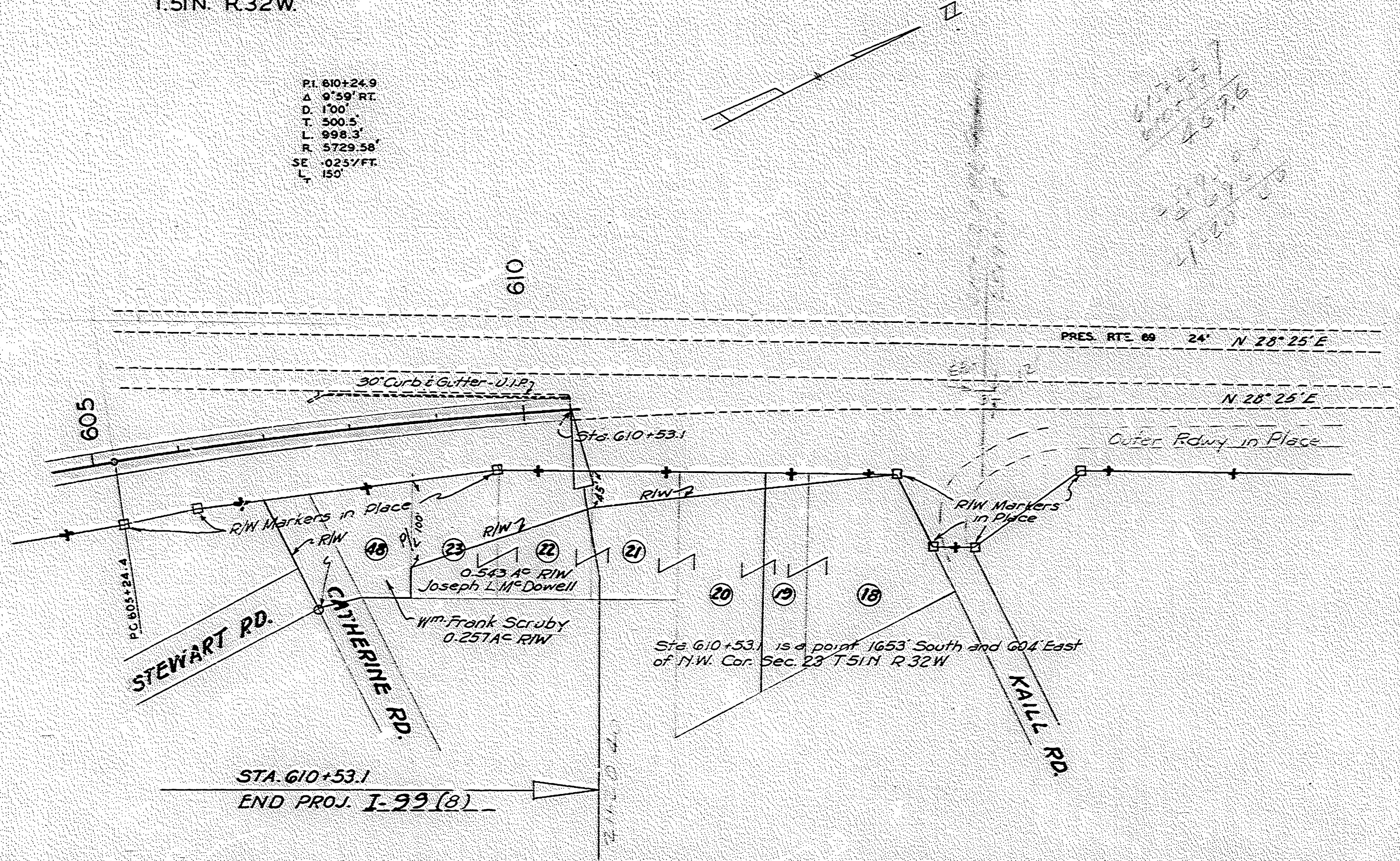
I- 95(8)
9
CLAY
F.A.I.
NE4 SE4 SEC. 22
T 51 N R 32W
SE4 NE4 SEC. 22
NW4 SW4 SEC. 23
SW4 NW4 SEC. 23
OUTER ROADWAY
P.I. 589+00.1
Δ 27°50'36"
D 2°00'
T 710.1'
L 1392.2'
R 2864.79'
S.E. .02'/FT.
LT 150'
PROP. FUTURE LT. LANE
P.I. 588+74.9
Δ 23°42'
D 2°00'
T 601.1'
L 1185.0'
R 2864.79'
LT. LANE
(SURVEY C/L) P.I. 592+89.80
(CONST. C/L) P.I. 592+80.69
Δ 23°42'
D 2°00'
T 601.1'
L 1185.0'
R 2864.79'
S.E. .05'/FT.
LT 150'
RT. LANE
P.I. 595+72.2
Δ 41°42'
Dc 3°00'
θs 3°00'
Ls 2°00'
Ts 827.7'
Rc 1909.86
S.E. .07'/FT.
LT 200'
580
585
590
595
600
605
RIGHT LANE
P.I. 581+71.54 CONSTR. C/L
P.I. 582+00 SURVEY C/L
Δ 8°00' RT.
D 1°00'
T 400.7'
L 800.0'
S.E. .025'/FT.
LT 150'
P.I. 601+19.9
Δ 45°58'
D 5°00'
T 486.0'
L 919.3'
R 1145.92'
S.E. .06'/FT.
LT SEE SP. SH.
RAVENA RD.
GRACE PENCE 2.611 Ac R/W
Martin Baker 1.609 Ac New R/W
F.P. SCHELL JR.
SCHOOL
SERV. STA.
24' Outer Pdwy. Agg. Surf.
N 52°07' E
Ramp T
Sta. 11+75 Proj. 26(1) Begin Wid. & Asph. Conc. Surf.
Remove & plug opening
26' Asph. Conc. Surf.
N 28°25' E
X-ing Stone base Asph. Conc. Surf. Remove
24" Pipe
STA. 600+22.0 Δ BET. TANGS. 66°05'17"
Sta. 5+00 to Sta. 11+75 Lt. Lane Pres. Rte. 69 Remove P.C.C. Pavt.
See plan sheet #9 for drainage str. on Lt. Lane
R/W Marker in Place
Existing R/W
Outer Roadway Sta. 585+30 DA 8 Ac of 0.5 Land Bld. 36" Pipe Culv. Skew 5° RA.
Sta. 588+84 Rt. Lane DA 45 Ac of 0.5 Land Bld. 4'x4' Conc. Box Culv. Skew 10° LA
Note: See plan sheet # for Outer Roadway Quantities, Drainage Strs. & R/W
Sta. 585+48 Lt. Lane DA 10 Ac of 0.5 Land Bld. 24" Pipe Culv. with Hdw'ls & 36 E D.I. Rt. Skew 10° RA
Sta. 591+23 Lt. Lane DA 90 Ac of 0.5 Land Bld. 4'x4' Conc. Box Culv. Skew 35° LA
Sta. 587+90 Ramp T DA 95 Ac of 0.5 Land Bld. 4x4 Con. Culv. Skew 20° LA
STA. A+26.7 PROJ. F.I. 99(5) STA. 591+51.2 PROJ. ANGLE BET. TANGS. 31°41'
Sta. 589+87 Rt. Lane Bld. Bridge #L571 28'33' (60'-75'-60') Cont. I-Beams 10'69' Skew 58°19' LA
Sta. 603+28 (Bk. of Eq.) DA 30 Ac of 0.5 Land Bld. 36" Pipe Culv. With Hdw'ls Skew 20° RA.
Sta. 599+45.97 Rt. Lane Bld. Bridge #L563 46'-56'-46' I-Beam Spans Skew 23°55' RA
Sta. 598+65 Lt. Lane Bld. 36E Drop Inlet at 32 Rt. ℄; Bld. 24" Pipe to 4x2½ Conc. Culv.
NOTE: See Spec. Sh. #3 & For Pavt. Layouts
B.M. #21 Nail & Washer in root of elm clump 7' Rt. Sta. 585+61 Elev. 794.14
B.M. #22 "X" on School house steps 136' Lt. Sta. 597+72 Elev. 812.56
Baseline Bor. Pit on Edge Pavt.
Borrow Pit
350'
230'
50'
0+00
-0.973%
400' VC M-1.99
+1.543%
P.I. 588+55 808.87
500' VC M-2.02 NPSD 475'
-1.692%
+3.0%
P.I. 586+70 801.15
Unsym. VC T1 195' T2 100' M 1.36
+2.42%
P.I. 594+00 801.94
Sta. 598+74.54 Bk. Sta. 598+73.7 Ah'd. Sta. 10+40.0 Ah'd.
+45.97 Bridge +38.05
100' V.C. M-3.15 N.P.S.D. 760'
EQUATION
+0.245%
LT. LANE
Lt. Lane From Sta.
Cl. A Exc. 18362 cy
Emb. 12722 cy
Use excess in Rt. Lane to Sta. 588+15
L.F.L. 790.5
D.I. F.L. 788.0
R.F.L. 786.0
L.F.L. 790.0
R.F.L. 788.0
591+31
From Sta. Rt. Lane
588+15
589+87
Cl. A Exc. 55 cy
Emb. 14367 cy
Bor. 16950 cy
From Bor. Pit
Bridge
+2.768%
593+03.84
Lt. Lane Cl. A Exc. 4435 cy Emb. 3759 cy
Lt. Lane 599+34
600+91.7
599+52.3
Rt. Lane Cl. A Exc. 641 cy Emb. 7943 cy Bor. 4000 cy
L.F.L. 815.5
R.F.L. 822.5
Rt. Lane Cl. A Exc. 322 cy Emb. 19653 cy Bor. 23000 cy
To Sta. 610+53.1
RT. LANE
-0.973%
400' V.C. M-1.87
Ramp T P.I. 6+00 801.55
-0.64%
-3.454%
300' VC M-1.06
P.I. 585+50 802.02
150' VC M-1.02
+2.0%
RAMP T
786.0 L.F.L.
784.5 L.F.L. (Ramp)
785.0 R.F.L.
780.5 R.F.L. (Ramp)
P.I. +40 793.26
Note: Rt. Lane Sta. 583+00 Move Grade from Lt. Edge Pavt. to ℄ Pavt.
CONN. TO RTE. 10
597+00
Cl. A Exc. 6072 cy Emb. 948 cy
Use excess Exc. in Rt. Lane Bal. ending Sta. 599+52.3
602+40
Cl. A Exc. 323 cy Emb. 276 cy
606+00
820
810
800
790
840
830
580 1 2 3 4 5 6 7 8 9 590 1 2 3 4 5 6 7 8 9 600 1 2 3 4 5 6 7 8 9 610

418

9

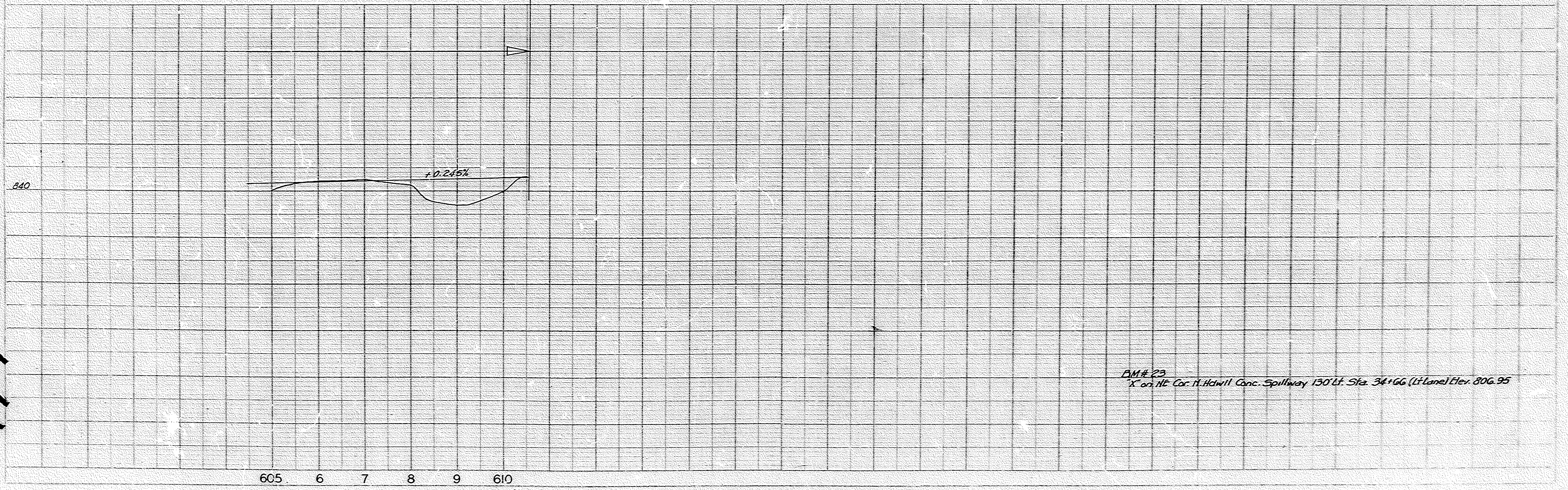
5	MO	I- 99(8)	10
4		CLAY	FAI 4

SW1/4 NW1/4 SEC. 23
T.51N. R.32W.



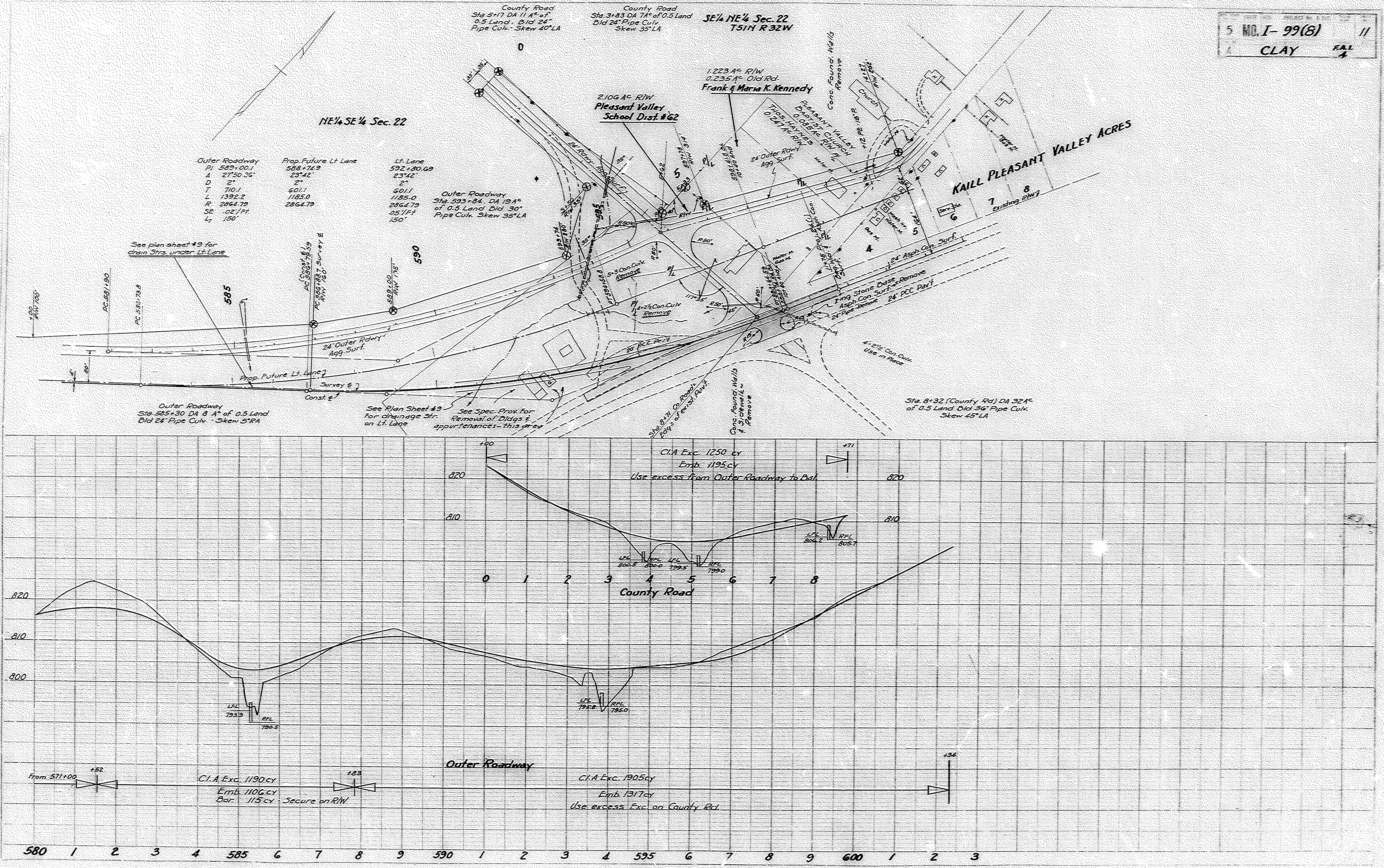
Sta. 610+53.1 is a point 1653' South and 604' East of N.W. Cor. Sec. 23 T.51N. R.32W.

STA. 610+53.1
END PROJ. I-99(8)



BM # 23
"X" on NE Cor. N. Hdwll Conc. Spillway 130' Lt. Sta. 34+66 (Lt Lane) Elev. 806.95

5 MO. I-99(8) 11
CLAY FAI 4


County Road
Sta. 5+17 DA 11 A^c of 0.5 Land - Bld 24" Pipe Culv. - Skew 40°LA
County Road
Sta. 3+83 DA 7A^c of 0.5 Land Bld 24" Pipe Culv Skew 35°LA
SE¼ NE¼ Sec. 22
T51N R32W
NE¼ SE¼ Sec. 22
1.223 A^c R/W
0.235 A^c Old Rd.
Frank & Maria K. Kennedy
2.106 A^c R/W
Pleasant Valley School Dist. #62
Pleasant Valley Baptist Church 0.085 A^c R/W
Thos. Haynes 0.247 A^c R/W
Conc. Found. Walls Remove
Church
24' Outer Rdwy. Agg. Surf.
24' Rdwy. Agg. Surf.
Kaill Pleasant Valley Acres
Existing R/W
Wash Ho.
Water M.
Gas M.
Serv. Sta.
Outer Roadway
Sta. 593+84 DA 19 A^c of 0.5 Land Bld 30" Pipe Culv. Skew 35°LA
See plan sheet #9 for drain. Strs. under Lt. Lane
585
590
595
PC 581+90
PC 582+73.8
(Const. ℄) PC 586+79.59
PC 586+88.7 Survey ℄ R/W 160'
589+00 R/W 175'
593+74 R/W 280
+00 R/W 100'
24' Outer Rdwy. Agg. Surf.
Prop. Future Lt. Lane
Survey ℄
Const. ℄
Outer Roadway
Sta. 585+30 DA 8 A^c of 0.5 Land Bld 24" Pipe Culv. - Skew 5°RA
See Plan Sheet #9 for drainage Str. on Lt. Lane
See Spec. Prov. For Removal of Bldgs & appurtenances - this area
S-3 Con. Culv. Remove
4-2½ Con. Culv. Remove
20' PCC Pav't
R50'
117°35'
24' Asph. Con. Surf.
King Stone Base Asph. Con. Surf. Remove
24" Pipe Remove
24' PCC Pav't
4-2½ Con. Culv. Use in Place
Sta. 8+71 Co. Road Edge of exist. Pav't
Conc. Found. Walls & Sidewalk Remove
Sta. 8+32 (County Rd) DA 32 A^c of 0.5 Land Bld 36" Pipe Culv. Skew 45°LA
Cl. A Exc. 1250 cy
Emb. 1195 cy
Use excess from Outer Roadway to Bal.
+00
+71
820
810
LFL 800.5
RFL 800.0
LFL 799.5
RFL 799.0
LFL 806.2
RFL 805.7
0 1 2 3 4 5 6 7 8
County Road
820
810
800
LFL 793.3
RFL 790.5
LFL 795.8
RFL 795.0
Outer Roadway
From 571+00
+52
Cl. A Exc. 1190 cy
Emb. 1106 cy
Bor. 115 cy - Secure on R/W
+83
Cl. A Exc. 1905 cy
Emb. 1317 cy
Use excess Exc. on County Rd.
+34
580 1 2 3 4 585 6 7 8 9 590 1 2 3 4 595 6 7 8 9 600 1 2 3

	Outer Roadway	Prop. Future Lt Lane	Lt. Lane
PI	589+00.1	588+74.9	592+80.69
Δ	27°50'36"	23°42'	23°42'
D	2°	2°	2°
T	710.1	601.1	601.1
L	1392.2	1185.0	1185.0
R	2864.79	2864.79	2864.79
SE	.02'/Ft.		.05'/Ft.
L_T	150'		150'

402

11