

TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

Index of Sheets (R.O.W.)

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3	PROPERTY MAP
3A	R.O.W. ACQUISITION TABLE
4	PRESENT LAYOUT SHEET
4A	R.O.W. DETAIL SHEET
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5	QUEEN ST. PROFILE
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9-15	MARGRAVE DR. CROSS SECTIONS
16-19	QUEEN ST. CROSS SECTIONS

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF ENGINEERING

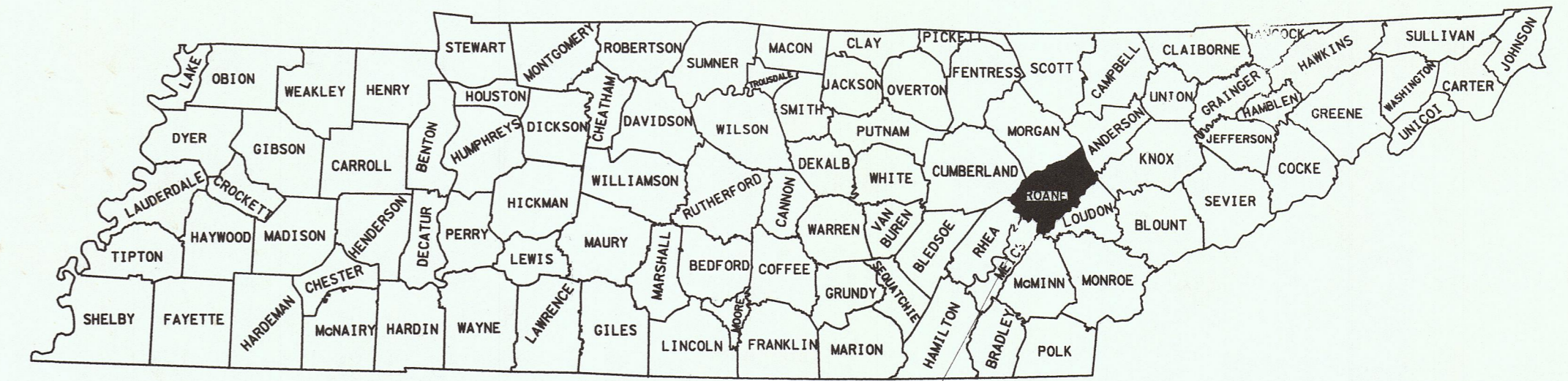
TENN.	YEAR 2005	SHEET NO. 1
FED. AID PROJ. NO.	BRZE-7300(22)	
STATE PROJ. NO.	73950-2543-94	

ROANE COUNTY

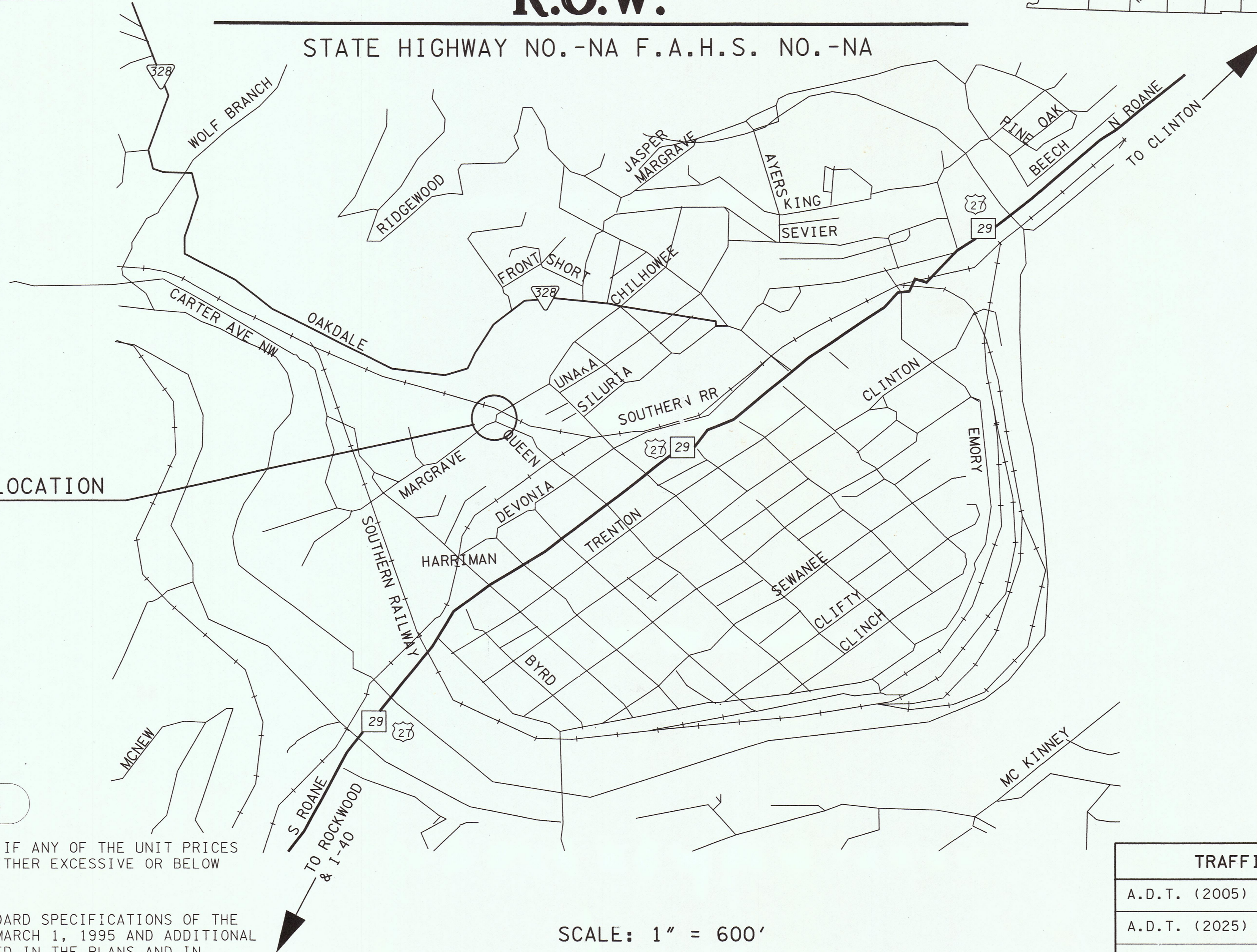
MARGRAVE DRIVE, LOCAL ROUTE 3689
BRIDGE AND APPROACHES OVER SOUTHERN R/R @ L.M. 0.45

R.O.W.

STATE HIGHWAY NO.-NA F.A.H.S. NO.-NA



ROANE COUNTY
PROJECT NO. BRZE-7300 (22)



73950-2543-94
R.O.W. PROJECT BRZE-7300(22) LOCATION
BEGIN STA. 51+27.00
END STA. 57+81.00

SPECIAL NOTES

PROPOSALS MAY BE REJECTED BY THE COMMISSIONER IF ANY OF THE UNIT PRICES CONTAINED THEREIN ARE OBVIOUSLY UNBALANCED, EITHER EXCESSIVE OR BELOW THE REASONABLE COST ANALYSIS VALUE.

THIS PROJECT TO BE CONSTRUCTED UNDER THE STANDARD SPECIFICATIONS OF THE TENNESSEE DEPARTMENT OF TRANSPORTATION DATED MARCH 1, 1995 AND ADDITIONAL SPECIFICATIONS AND SPECIAL PROVISIONS CONTAINED IN THE PLANS AND IN THE PROPOSAL CONTRACT

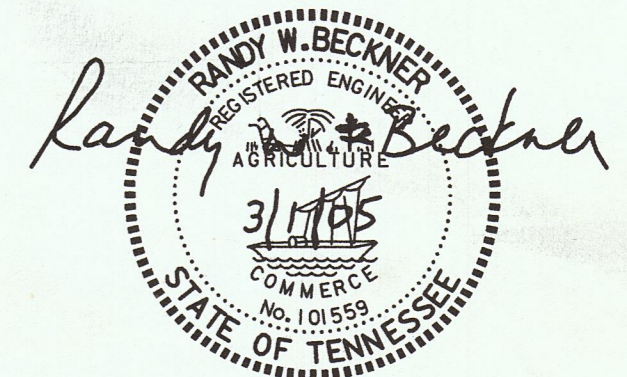
TDOT TRANSPORTATION MANAGER 1 CLIFFORD STEWART
DESIGNED BY MATTFRN & CRAIG
DESIGNER RANDY DODSON

P.E. NO. 73950-1542-94

SCALE: 1" = 600'

- ⊗ R.O.W. LENGTH = 0.124 MILES
- ⊙ R.O.W. LENGTH BASED ON CONSTRUCTION EASEMENT LENGTH.

"NO EQUATIONS"
"NO EXCLUSIONS"



APPROVED: Paul D. Duggan
CHIEF ENGINEER

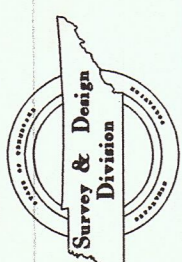
DATE: _____
APPROVED: Sarah F. Kelly
COMMISSIONER

TRAFFIC DATA	
A.D.T. (2005)	3,600
A.D.T. (2025)	5,000
D.H.V. (2025)	550
D	60-40
T (A.D.T.)	3%
T (D.H.V.)	2%
V	30 mph

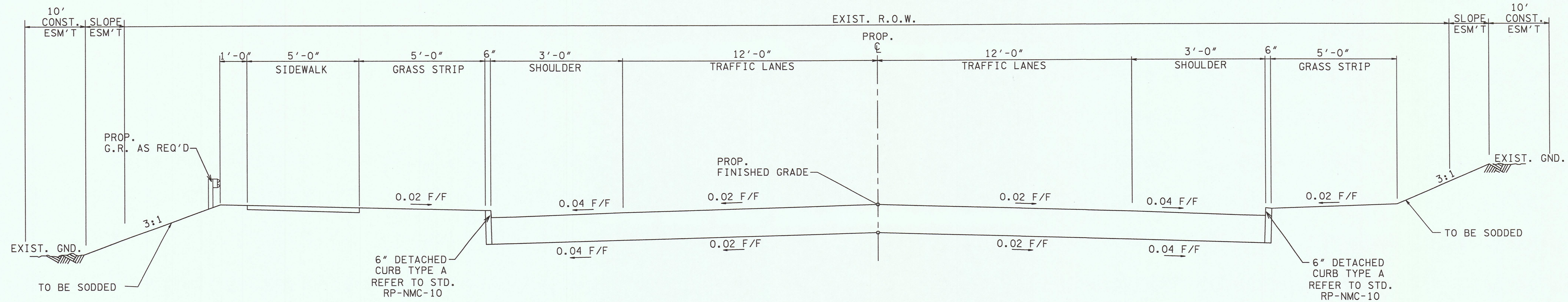
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

APPROVED: _____
DIVISION ADMINISTRATOR

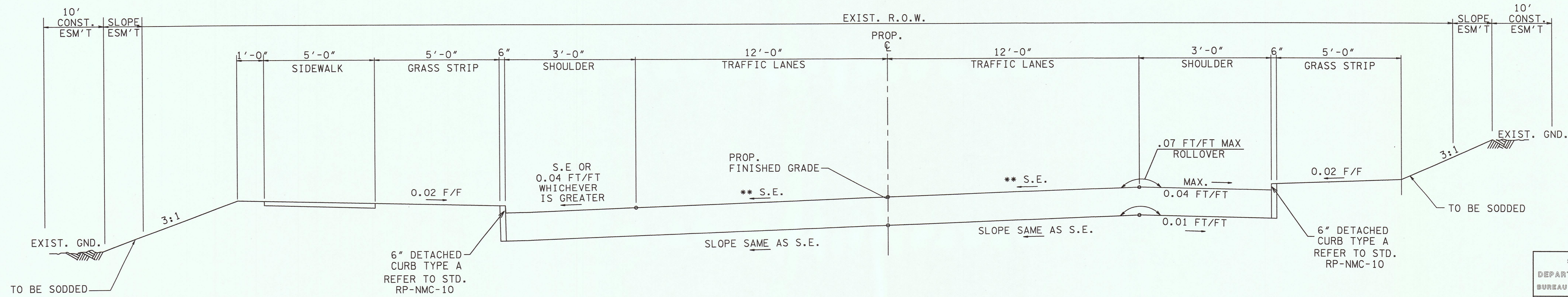
DATE _____



TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2005	BRZE-7300(22)	2A



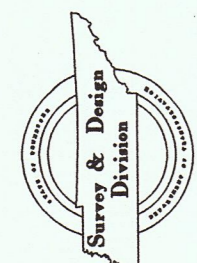
**QUEEN ST.
TYPICAL TANGENT SECTION**
STD. DWG RD-TS-1 AND RD-TS-6
STA. 30+13.76 TO 31+52.42
STA. 33+52.42 TO 34+20



**QUEEN ST.
TYPICAL SUPERELEVATED SECTION**
STD. DWG. RD-ST-1 AND RD-ST-6
STA 31+52.42 TO 33+52.42

** SEE PRESENT LAYOUT AND PROFILE LAYOUT FOR SUPERELEVATED RATES

*****SYTIME*****
*****DONSPEC*****



TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2005	BRZE-7300(22)	3

RIGHT-OF-WAY NOTES

IT IS INTENDED THAT ALL BUILDINGS AND/OR PORTIONS OF BUILDINGS THAT ARE WITHIN THE PROPOSED RIGHT-OF-WAY AND/OR EASEMENT LINES FOR THE PROJECT, BE REMOVED THEREFROM IN THE PROCESS OF RIGHT-OF-WAY ACQUISITION. IF ANY SUCH BUILDINGS OR IMPROVEMENTS ARE NOT REMOVED IN THE COURSE OF RIGHT-OF-WAY ACQUISITION, THE CIVIL ENGINEERING MANAGER 2, DESIGN DIVISION IS TO BE NOTIFIED IN SUFFICIENT TIME TO PERMIT HAVING SUCH REMOVALS DESIGNATED AS A PART OF THE CONSTRUCTION CONTRACT.

ALL RAMPS MUST CONFORM TO THE DEPARTMENT'S "POLICY ON FINANCING CONSTRUCTION ON PUBLIC ROAD INTERSECTIONS AND DRIVEWAYS ON HIGHWAY RESURFACING, RECONSTRUCTION AND CONSTRUCTION PROJECTS ON NEW LOCATIONS", THE MANUAL ON RULES AND REGULATIONS FOR CONSTRUCTING DRIVEWAYS ON STATE HIGHWAY RIGHT-OF-WAY, STANDARD DRAWING RP-R-1 AND OTHER ACCEPTED DESIGN AND SAFETY STANDARDS.

EXISTING PAVED DRIVEWAY PER TRACT REMAINDER WILL BE REPLACED IN KIND TO A TOUCHDOWN POINT.

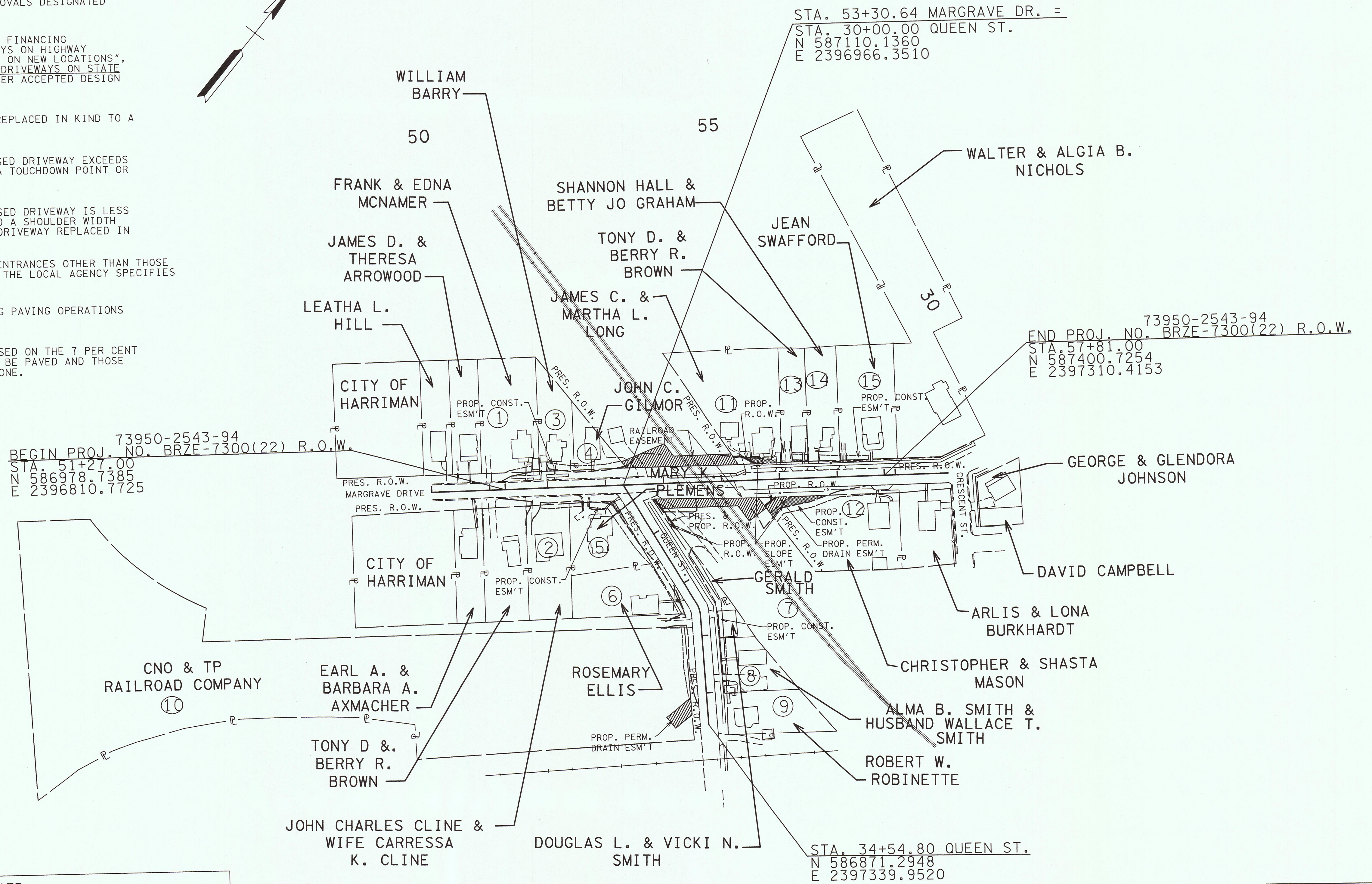
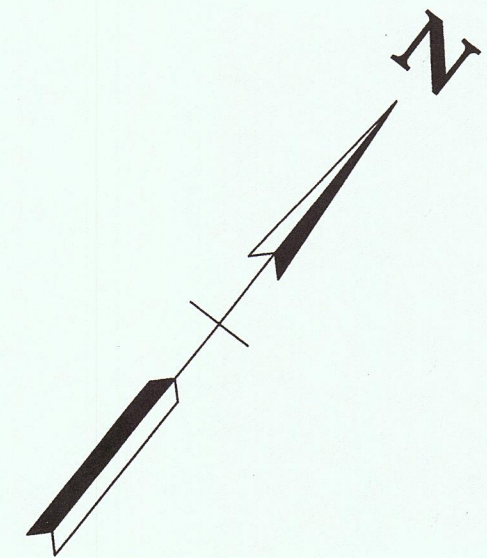
WHERE THE EXISTING DRIVEWAY IS UNPAVED AND THE PROPOSED DRIVEWAY EXCEEDS 7 PER CENT IN GRADE, EACH DRIVEWAY WILL BE PAVED TO A TOUCHDOWN POINT OR UNTIL THE GRADE IS LESS THAN 7 PER CENT.

WHERE THE EXISTING DRIVEWAY IS UNPAVED AND THE PROPOSED DRIVEWAY IS LESS THAN 7 PER CENT IN GRADE, EACH DRIVEWAY WILL BE PAVED A SHOULDER WIDTH FROM THE EDGE OF PAVEMENT AND THE REMAINDER OF THAT DRIVEWAY REPLACED IN KIND TO A TOUCHDOWN POINT.

ON NON-STATE ROUTES, ADDITIONAL DRIVEWAYS AND FIELD ENTRANCES OTHER THAN THOSE PROVIDED IN THE PLANS SHALL REQUIRE A PERMIT ONLY IF THE LOCAL AGENCY SPECIFIES THE NEED FOR THAT PERMIT.

ANY NECESSARY PAVING OF DRIVEWAYS WILL BE DONE DURING PAVING OPERATIONS ON THE MAIN ROADWAY.

NEW DRIVEWAYS PROVIDED IN THE PLANS WILL BE PAVED BASED ON THE 7 PER CENT CRITERIA. THOSE 7 PER CENT OR STEEPER IN GRADE WILL BE PAVED AND THOSE FLATTER THAN 7 PER CENT WILL BE COVERED WITH BASE STONE.



UTILITY OWNERS
PHONE: BELLSOUTH
CONTACT: JAMES VANDEE
9733 PARKSIDE DRIVE, KNOXVILLE, TN 37922
(865) 539-8519

CABLE: COMCAST
CONTACT: BARRY SIPE
408 SOUTH WHITE STREET, ATHENS, TN 37303
(865) 862-5050

WATER, POWER, SEWER: HARRIMAN UTILITY BOARD
300 NORTH ROANE STREET, HARRIMAN, TN 37748
CONTACT: FRANKIE DAVIS
(865) 882-3242

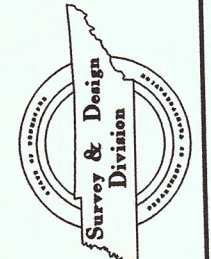
NOTE:
BEGIN-END R.O.W. STATIONS
BASED ON CONST. ESM'T LENGTH

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF PLANNING & DEVELOPMENT

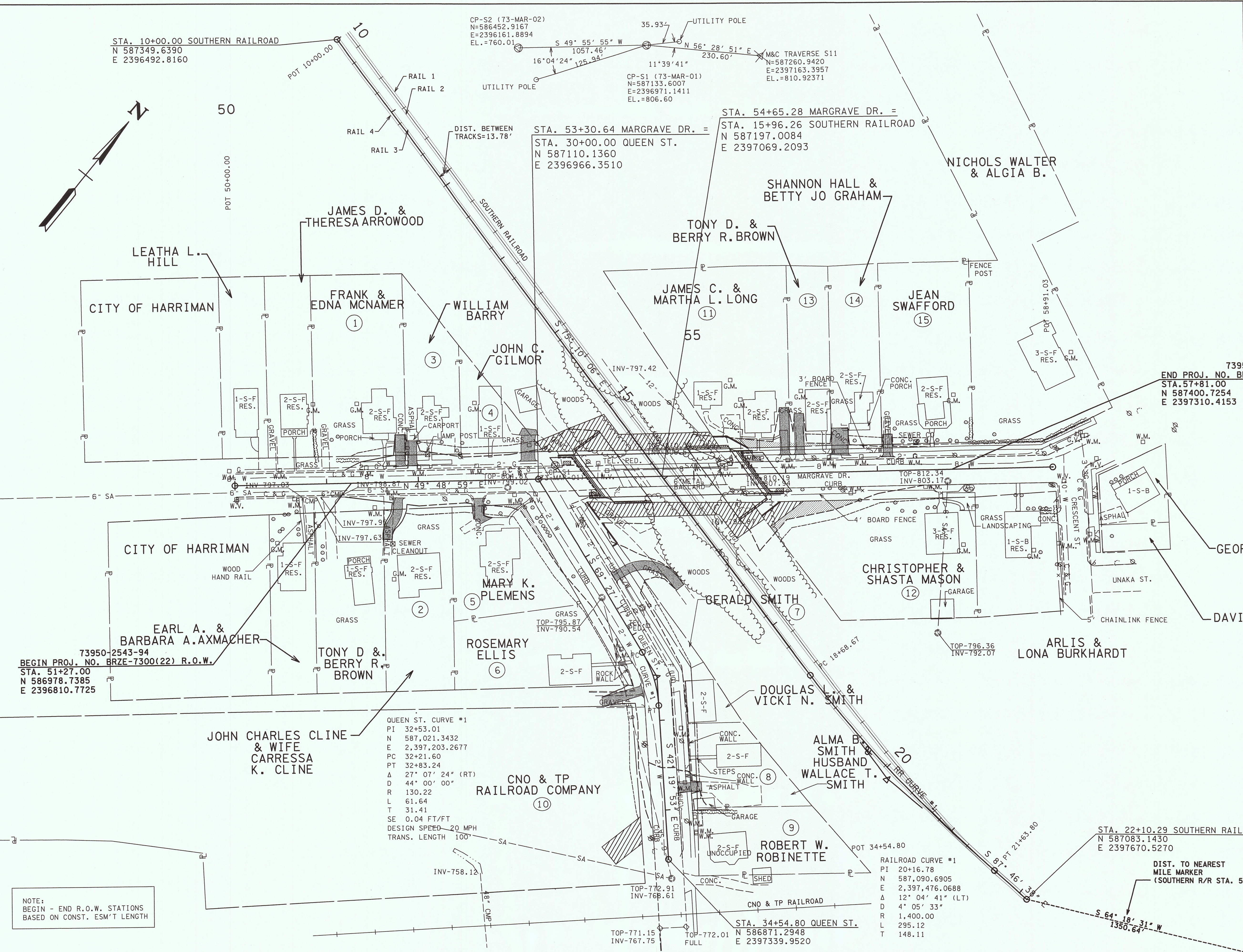
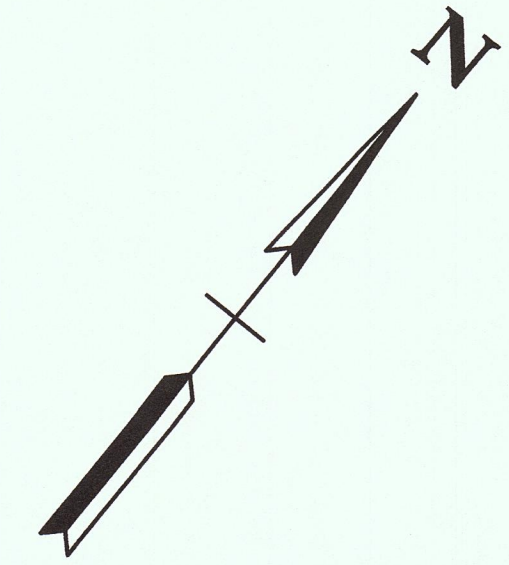
PROPERTY MAP

STA. 50+00 TO STA. 58+91
SCALE: 1"=100'

*****SYTIME*****
*****DGN5PEC*****



TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2005	BRZE-7300(22)	4



STA. 10+00.00 SOUTHERN RAILROAD
N 587349.6390
E 2396492.8160

CP-S2 (73-MAR-02)
N=586452.9167
E=2396161.8894
EL.=760.01

CP-S1 (73-MAR-01)
N=587133.6007
E=2396971.1411
EL.=806.60

M&C TRAVERSE S11
N=587260.9420
E=2397163.3957
EL.=810.92371

STA. 53+30.64 MARGRAVE DR. =
STA. 30+00.00 QUEEN ST.
N 587110.1360
E 2396966.3510

STA. 54+65.28 MARGRAVE DR. =
STA. 15+96.26 SOUTHERN RAILROAD
N 587197.0084
E 2397069.2093

73950-2543-94
BEGIN PROJ. NO. BRZE-7300(22) R.O.W.
STA. 51+27.00
N 586978.7385
E 2396810.7725

73950-2543-94
END PROJ. NO. BRZE-7300(22) R.O.W.
STA. 57+81.00
N 587400.7254
E 2397310.4153

QUEEN ST. CURVE #1
PI 32+53.01
N 587,021.3432
E 2,397,203.2677
PC 32+21.60
PT 32+83.24
Δ 27° 07' 24" (RT)
D 44° 00' 00"
R 130.22
L 61.64
T 31.41
SE 0.04 FT/FT
DESIGN SPEED 20 MPH
TRANS. LENGTH 100'

RAILROAD CURVE #1
PI 20+16.78
N 587,090.6905
E 2,397,476.0688
Δ 12° 04' 41" (LT)
D 4° 05' 33"
R 1,400.00
L 295.12
T 148.11

STA. 34+54.80 QUEEN ST.
N 586871.2948
E 2397339.9520

STA. 22+10.29 SOUTHERN RAILROAD
N 587083.1430
E 2397670.5270

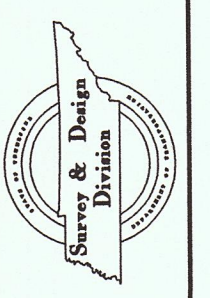
DIST. TO NEAREST
MILE MARKER
(SOUTHERN R/R STA. 50+00)

COORDINATE VALUES ARE NAD/83(995)
AND ARE DATUM ADJUSTED BY THE
FACTOR 1.00008 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF PLANNING & DEVELOPMENT

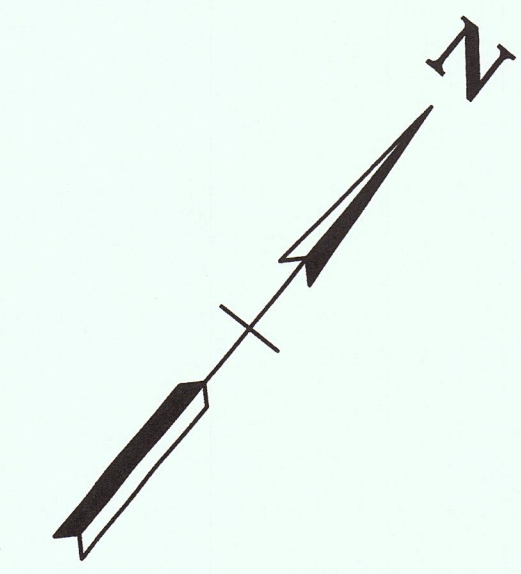
PRESENT LAYOUT
STA. 50+00 TO STA. 58+91
SCALE: 1" = 50'

NOTE:
BEGIN - END R.O.W. STATIONS
BASED ON CONST. ESM'T LENGTH



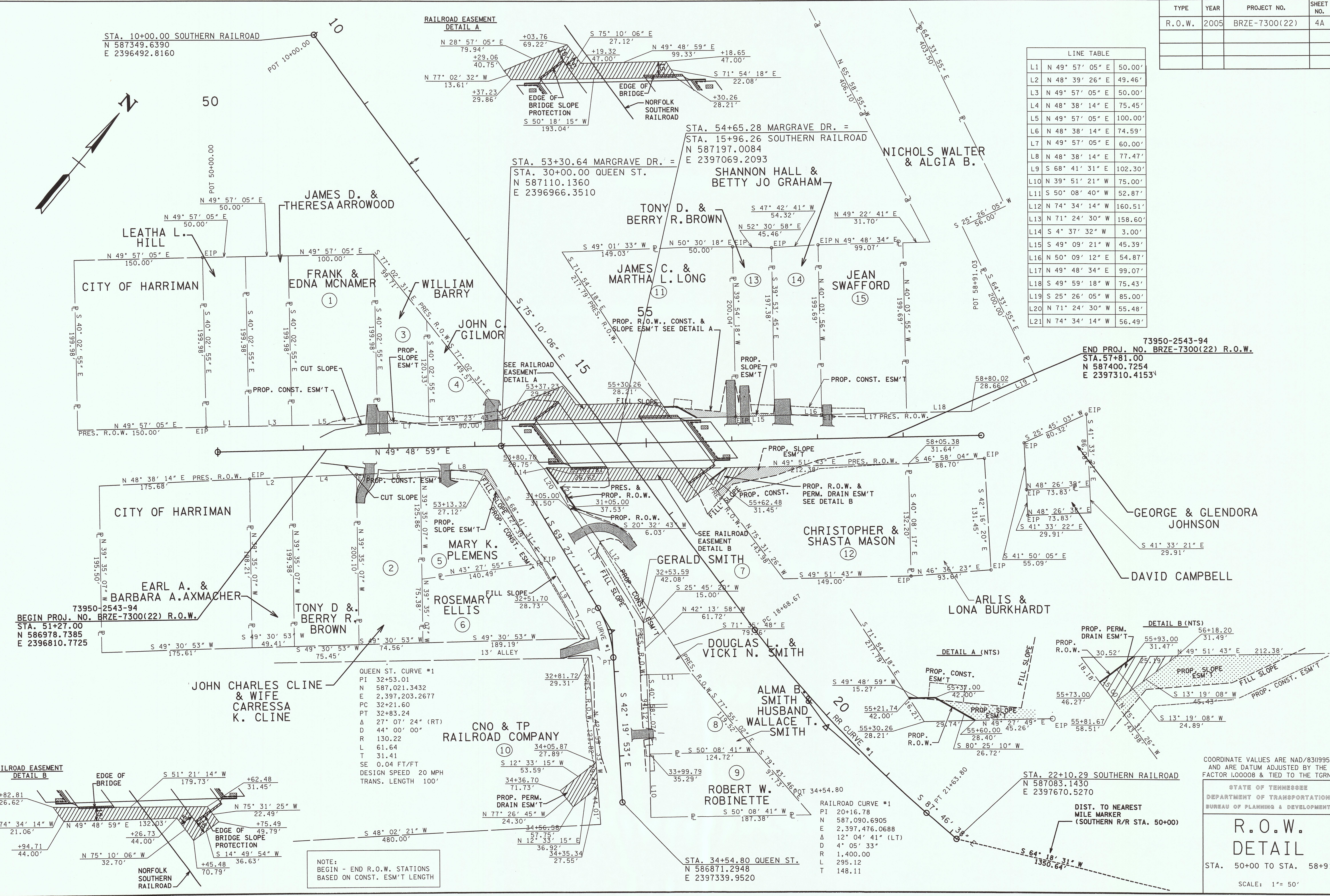
*****SYTIME*****
*****DGNSEC*****

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2005	BRZE-7300(22)	4A



LINE TABLE

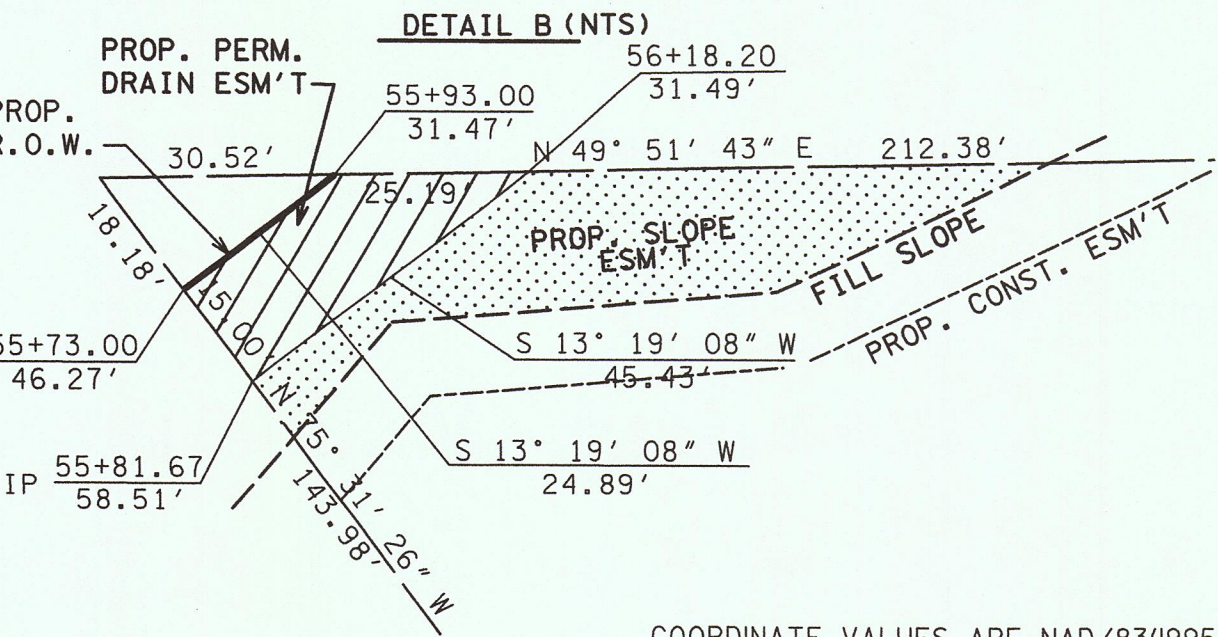
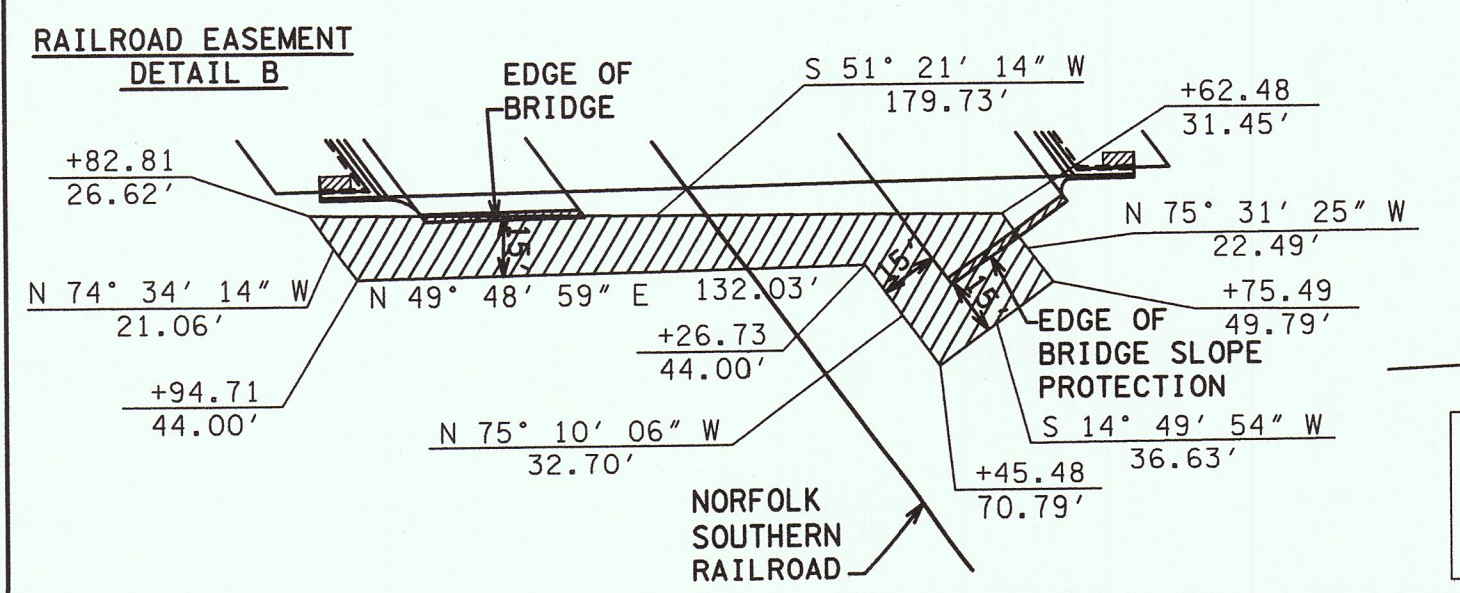
L1	N 49° 57' 05" E	50.00'
L2	N 48° 39' 26" E	49.46'
L3	N 49° 57' 05" E	50.00'
L4	N 48° 38' 14" E	75.45'
L5	N 49° 57' 05" E	100.00'
L6	N 48° 38' 14" E	74.59'
L7	N 49° 57' 05" E	60.00'
L8	N 48° 38' 14" E	77.47'
L9	S 68° 41' 31" E	102.30'
L10	N 39° 51' 21" W	75.00'
L11	S 50° 08' 40" W	52.87'
L12	N 74° 34' 14" W	160.51'
L13	N 71° 24' 30" W	158.60'
L14	S 4° 37' 32" W	3.00'
L15	S 49° 09' 21" W	45.39'
L16	N 50° 09' 12" E	54.87'
L17	N 49° 48' 34" E	99.07'
L18	S 49° 59' 18" W	75.43'
L19	S 25° 26' 05" W	85.00'
L20	N 71° 24' 30" W	55.48'
L21	N 74° 34' 14" W	56.49'



73950-2543-94
BEGIN PROJ. NO. BRZE-7300(22) R.O.W.
STA. 51+27.00
N 586978.7385
E 2396810.7725

QUEEN ST. CURVE #1
PI 32+53.01
N 587,021.3432
E 2,397,203.2677
PC 32+21.60
PT 32+83.24
Δ 27° 07' 24" (RT)
D 44° 00' 00"
R 130.22
L 61.64
T 31.41
SE 0.04 FT/FT
DESIGN SPEED 20 MPH
TRANS. LENGTH 100'

RAILROAD CURVE #1
PI 20+16.78
N 587,090.6905
E 2,397,476.0688
Δ 12° 04' 41" (LT)
D 4° 05' 33"
R 1,400.00
L 295.12
T 148.11



COORDINATE VALUES ARE NAD/83(1995)
AND ARE DATUM ADJUSTED BY THE
FACTOR 1.00008 & TIED TO THE TGRN.

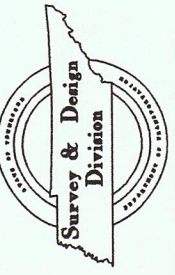
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF PLANNING & DEVELOPMENT

R.O.W. DETAIL

STA. 50+00 TO STA. 58+91

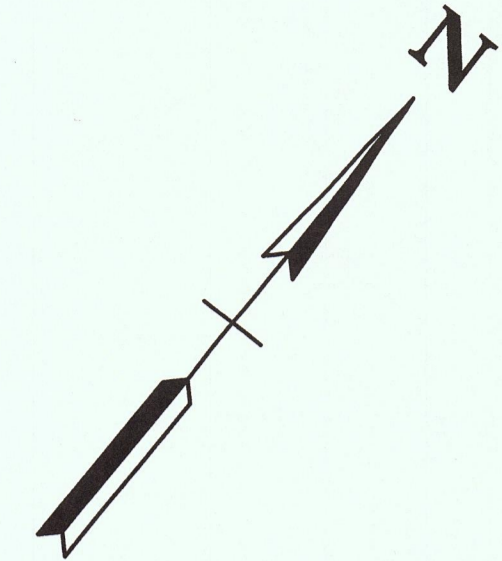
SCALE: 1" = 50'

NOTE:
BEGIN - END R.O.W. STATIONS
BASED ON CONST. ESM'T LENGTH



TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2005	BRZE-7300(22)	4B



50

STA. 10+00.00 SOUTHERN RAILROAD
N 587349.6390
E 2396492.8160

POT 10+00.00
10

RAIL 1
RAIL 2
RAIL 3
RAIL 4

STA. 53+30.64 MARGRAVE DR. =
STA. 30+00.00 QUEEN ST.
N 587110.1360
E 2396966.3510

STA. 54+65.28 MARGRAVE DR. =
STA. 15+96.26 SOUTHERN RAILROAD
N 587197.0084
E 2397069.2093

END PROJ. NO. BRZE-7300(22) CONST.
STA. 57+55.00
N 587382.4726
E 2397291.7992

73950-2543-94
END PROJ. NO. BRZE-7300(22) R.O.W.
STA. 57+81.00
N 587400.7254
E 2397310.4153

BEGIN PROJ. NO. BRZE-7300(22) CONST.
STA. 51+20.00
N 586973.8085
E 2396805.7745

73950-2543-94
BEGIN PROJ. NO. BRZE-7300(22) R.O.W.
STA. 51+27.00
N 586978.7385
E 2396810.7725

QUEEN ST. CURVE #1
PI 32+53.01
N 587,021.3432
E 2,397,203.2677
PC 32+21.60
PT 32+83.24
Δ 27° 07' 24" (RT)
D 44° 00' 00"
R 130.22
L 61.64
T 31.41
SE 0.04 FT/FT
DESIGN SPEED 20 MPH
TRANS. LENGTH 100'

10' Pvt. Dr. STA. 32+62 RT
LIMIT OF CONST. 0+61
21' OF 18" S.D.
162' OF 18" RCP @ 8.62%
GT. EL. = 775.51
INV. IN EL. = 771.41
INV. IN EL. = 771.41
INV. OUT EL. = 771.31
INV. OUT = 771.13
STRAIGHT EW
28' OF 18" RCP @ 0.64%
28' OF 18" RCP @ 1.93%
LIMIT OF CONST. 34+20.00

STA. 34+54.80 QUEEN ST.
N 586871.2948
E 2397339.9520

POT 34+54.80
RAILROAD CURVE #1
PI 20+16.78
N 587,090.6905
E 2,397,476.0688
Δ 12° 04' 41" (LT)
D 4° 05' 33"
R 1,400.00
L 295.12
T 148.11

STA. 22+10.29 SOUTHERN RAILROAD
N 587083.1430
E 2397670.5270

DIST. TO NEAREST MILE MARKER (SOUTHERN R/R STA. 50+00)

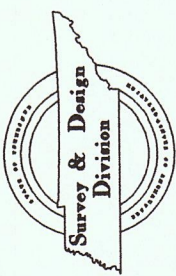
COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00008 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF PLANNING & DEVELOPMENT

PROPOSED LAYOUT

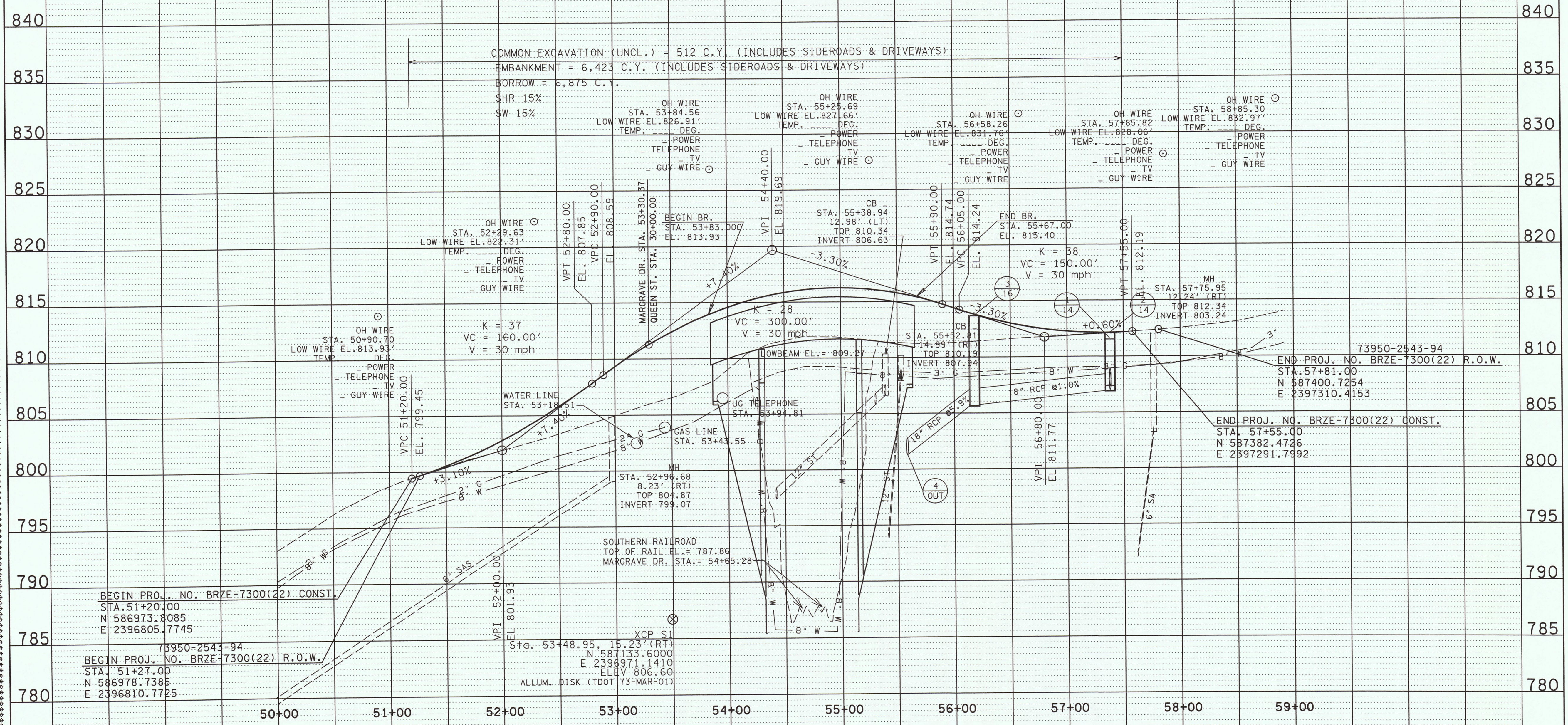
STA. 50+00 TO STA. 58+91
SCALE: 1" = 50' HORIZ.

*****SYTIME*****
*****SDONSPEC*****



TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2005	BRZE-7300(22)	4C



*****SYTIME*****
*****DGNSEPC*****



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF PLANNING & DEVELOPMENT

**PROFILE OF
MARGRAVE DR.**

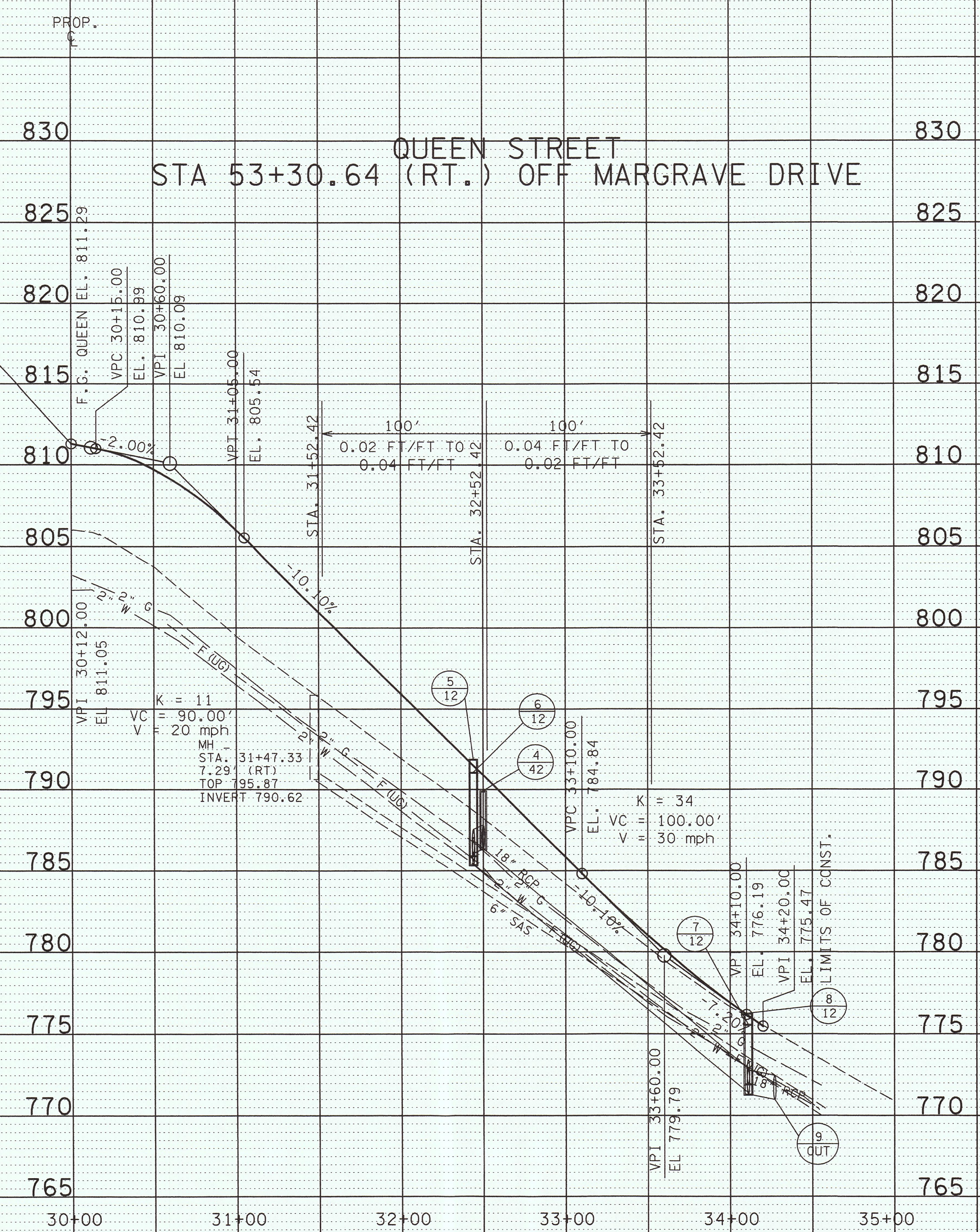
STA. 50+00 TO STA. 58+91
SCALE: 1" = 50' HORIZ.
1" = 5' VERT.

TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

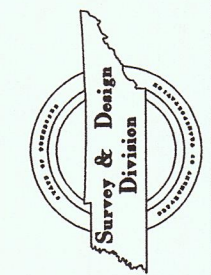
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2005	BRZE-7300(22)	5

STA. 53+30.64 MARGRAVE DR.
STA. 30+00.00 QUEEN ST.
N 587110.1360
E 2396966.3510

QUEEN STREET
STA 53+30.64 (RT.) OFF MARGRAVE DRIVE



*****SYTIME*****
*****DONSPEC*****



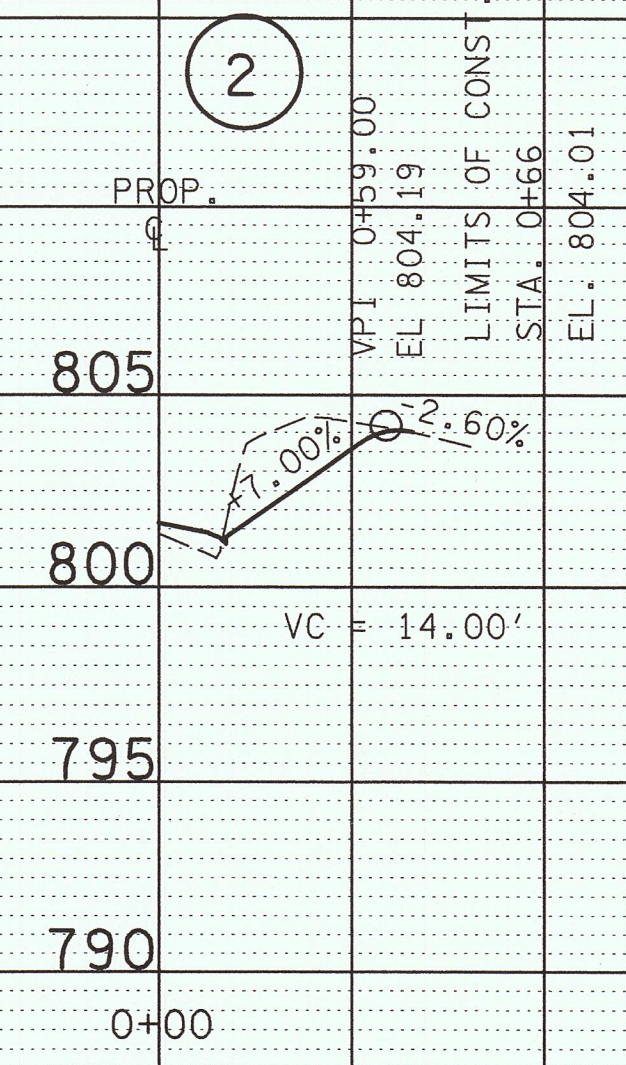
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF PLANNING & DEVELOPMENT

PROFILE OF
QUEEN ST.

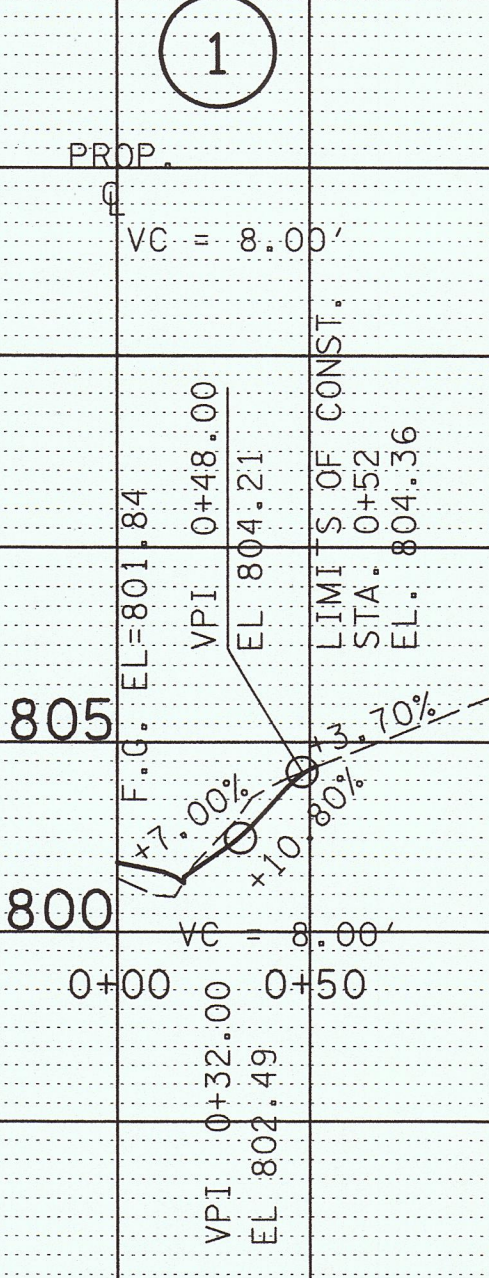
SCALE: 1" = 50' HORIZ.
1" = 5' VERT.

*****SYTIME*****
*****DINSPEC*****

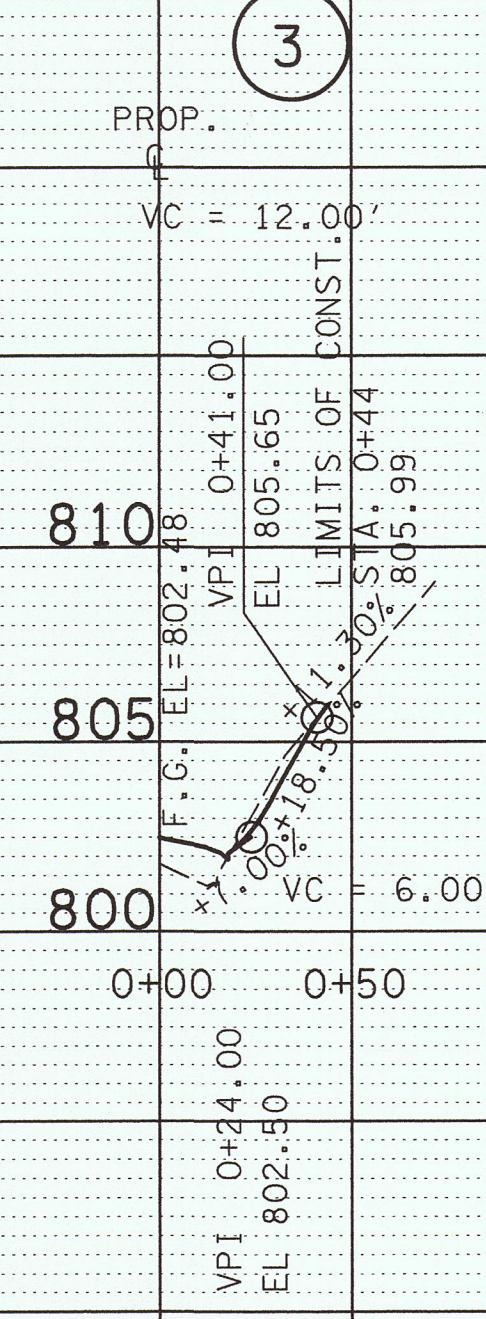
MARGRAVE DR.
10' PVT. DR. STA. 51+77 RT



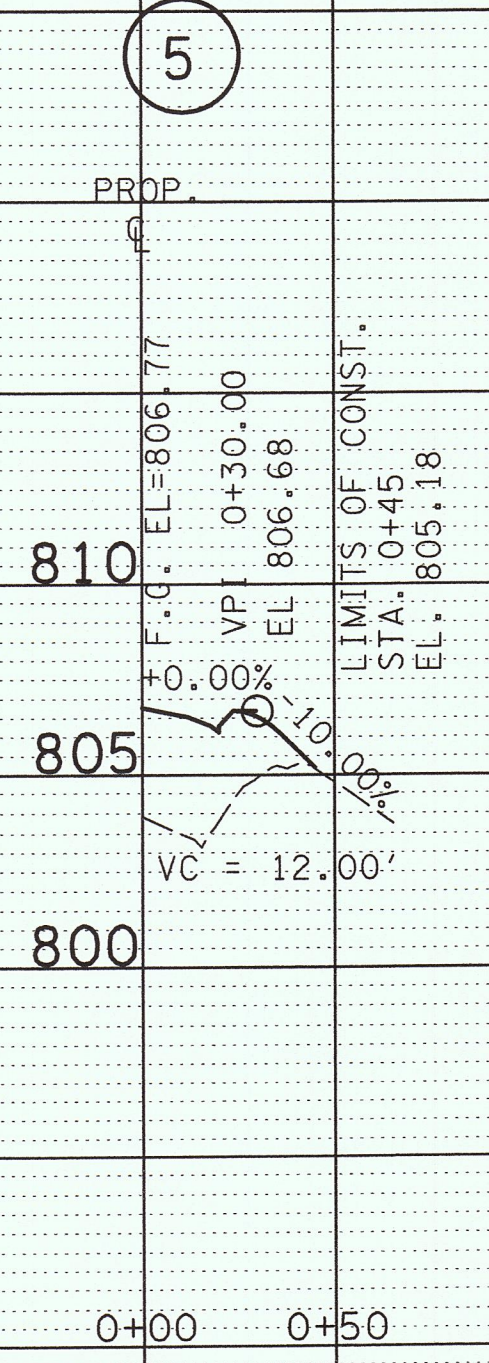
MARGRAVE DR.
10' PVT. DR. STA. 51+81 LT



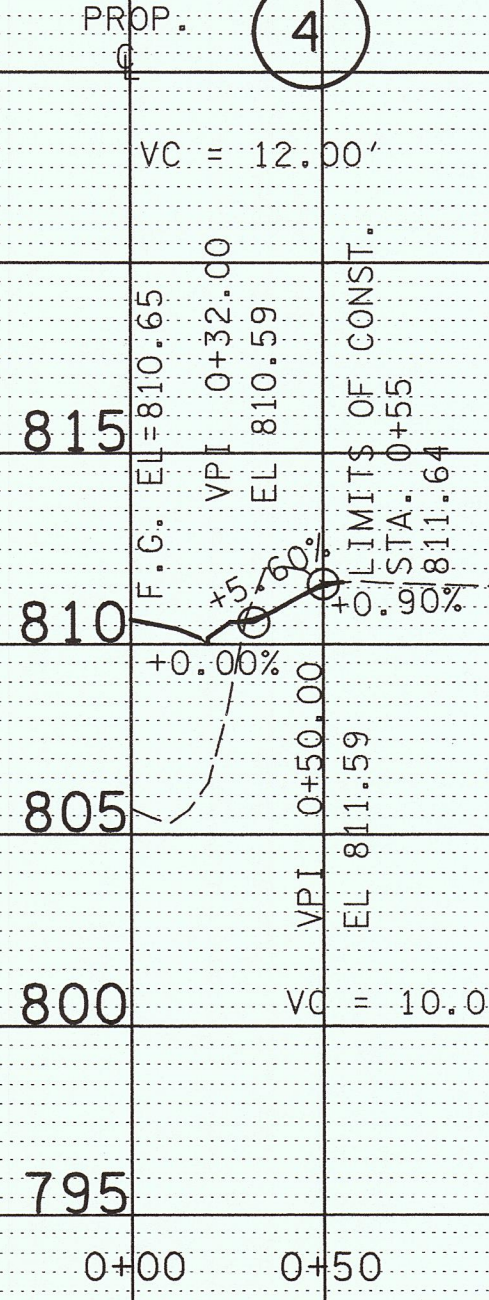
MARGRAVE DR.
10' PVT. DR. STA. 51+94 LT



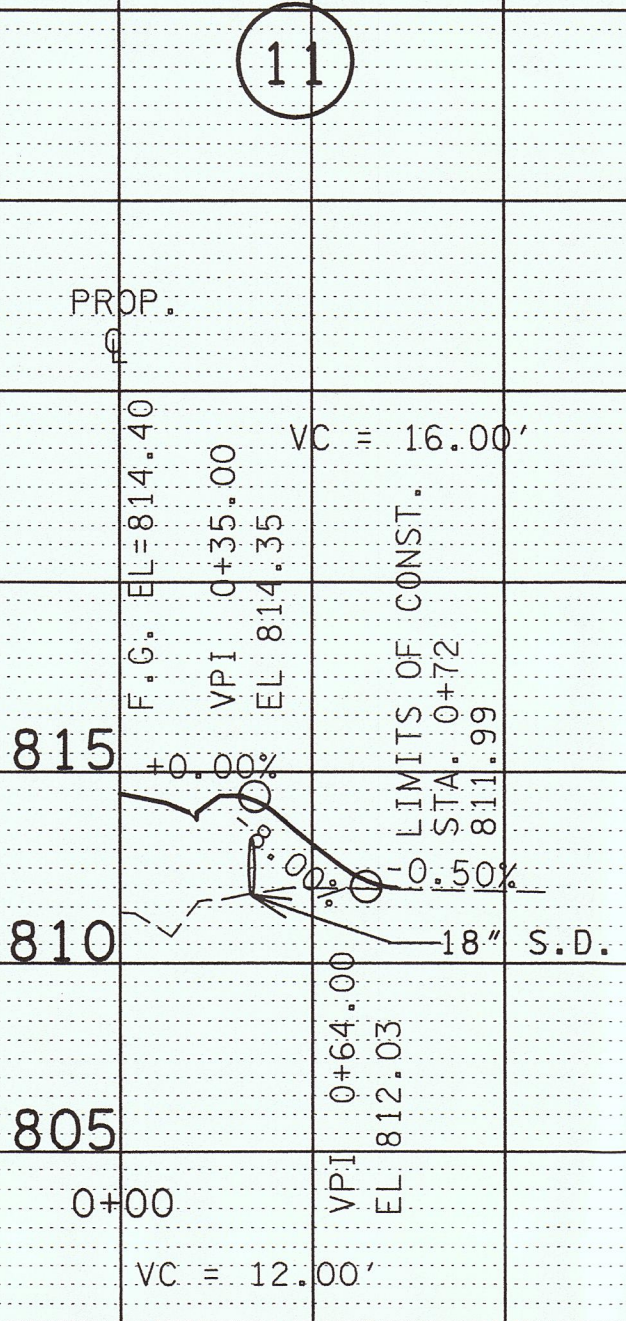
MARGRAVE DR.
10' PVT. DR. STA. 52+65 RT



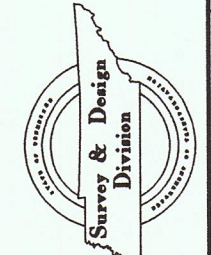
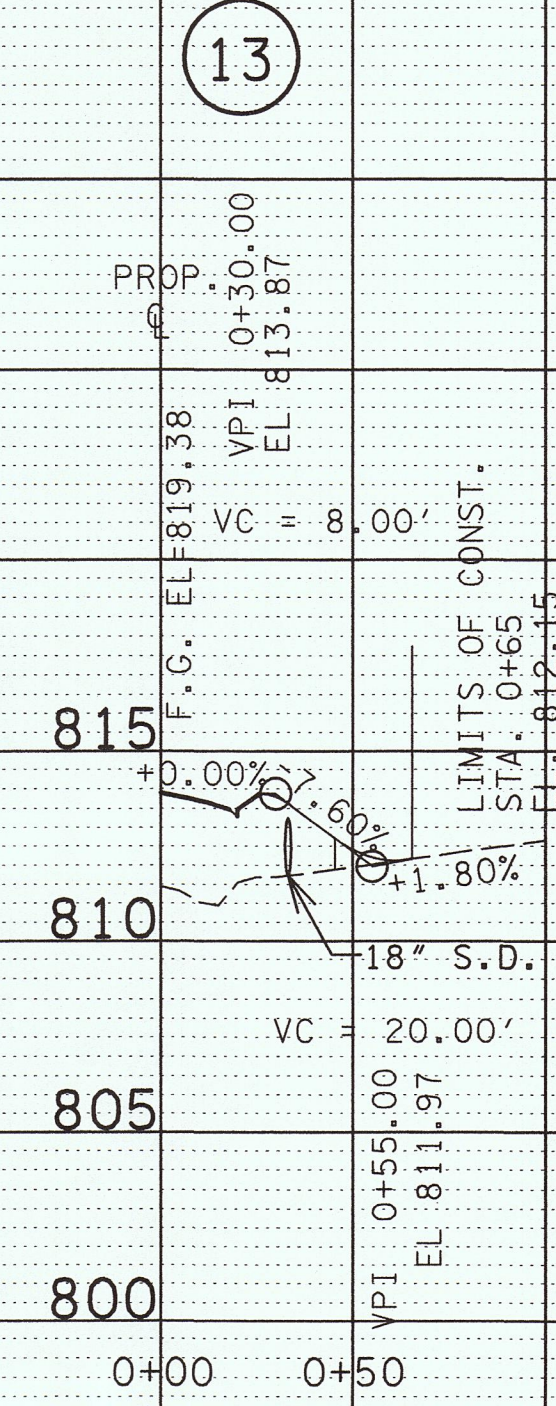
MARGRAVE DR.
15' PVT. DR. STA. 53+20 LT



MARGRAVE DR.
10' PVT. DR. STA. 56+00 LT



MARGRAVE DR.
10' PVT. DR. STA. 56+16 LT



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
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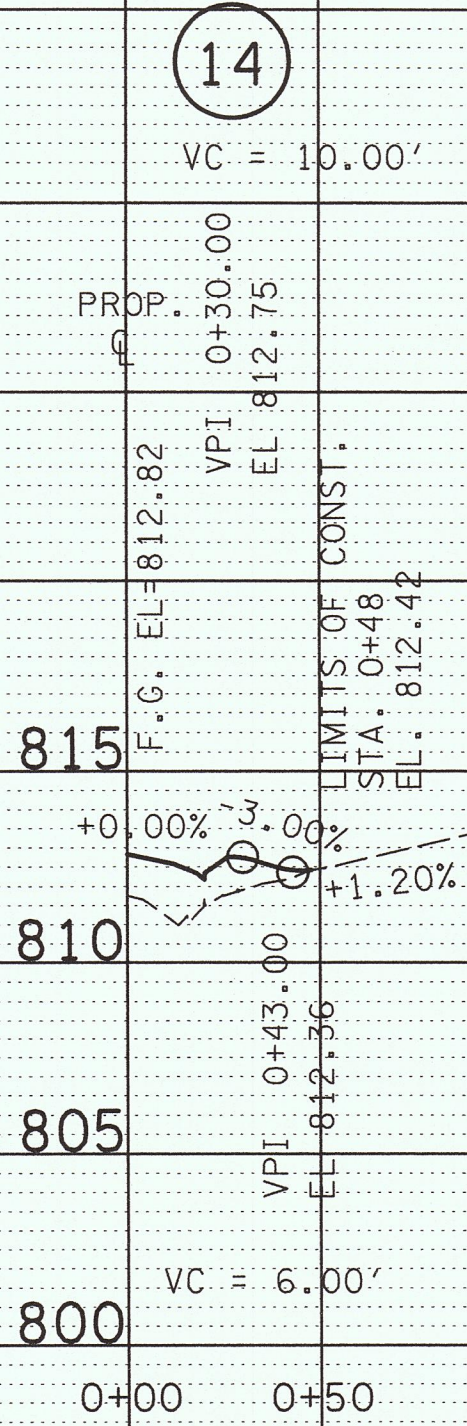
DRIVEWAY
PROFILES

SCALE: 1" = 50' HORIZ.
1" = 5' VERT.

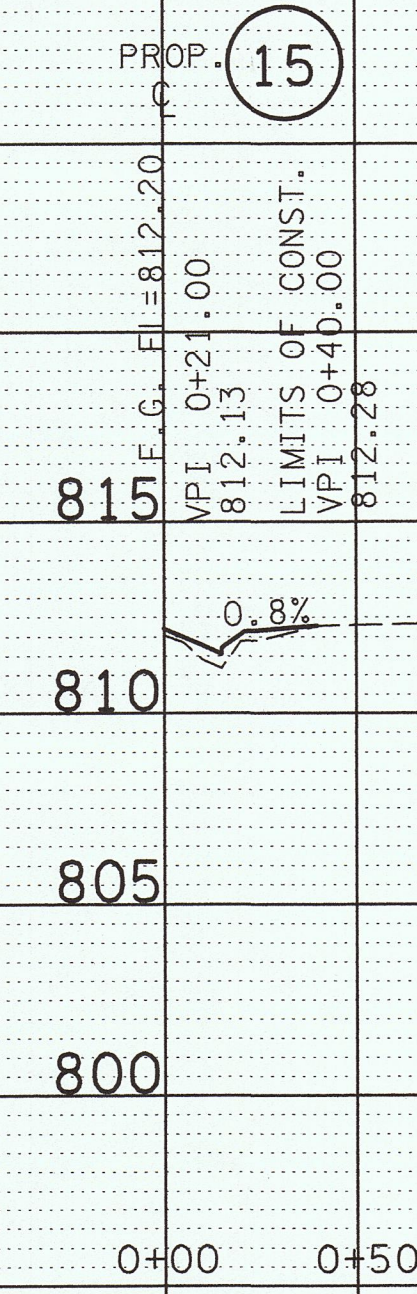
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2005	BRZE-7300(22)	7

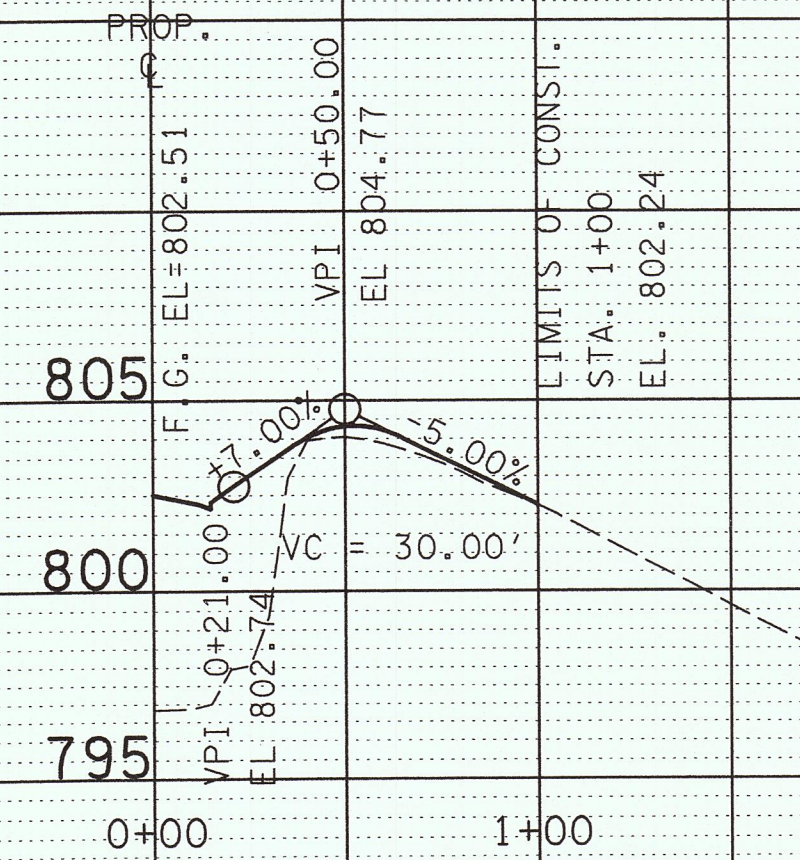
MARGRAVE DR.
18' PVT. DR. STA. 56+60 LT



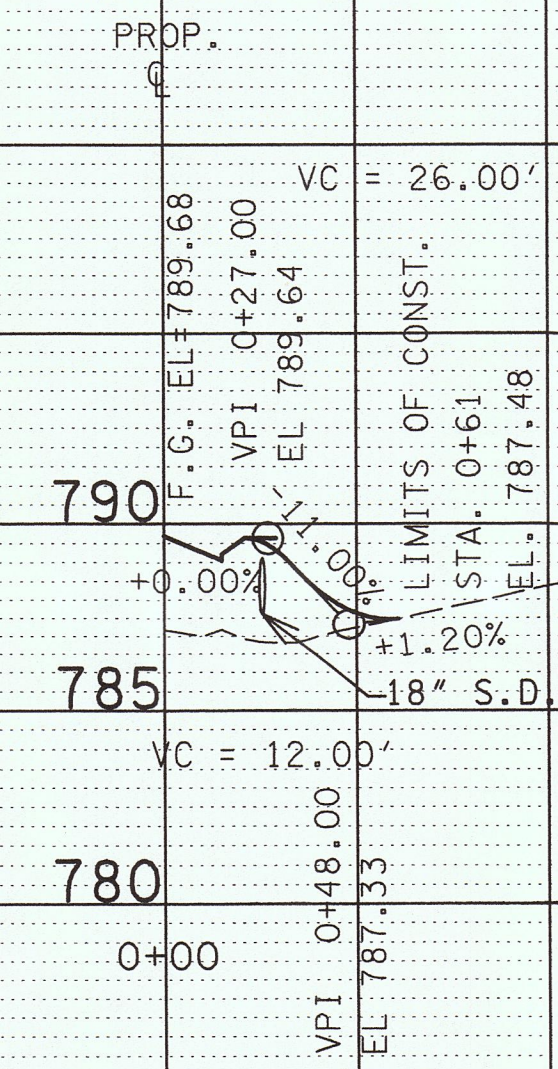
MARGRAVE DR.
10' PVT. DR. STA. 57+12 LT



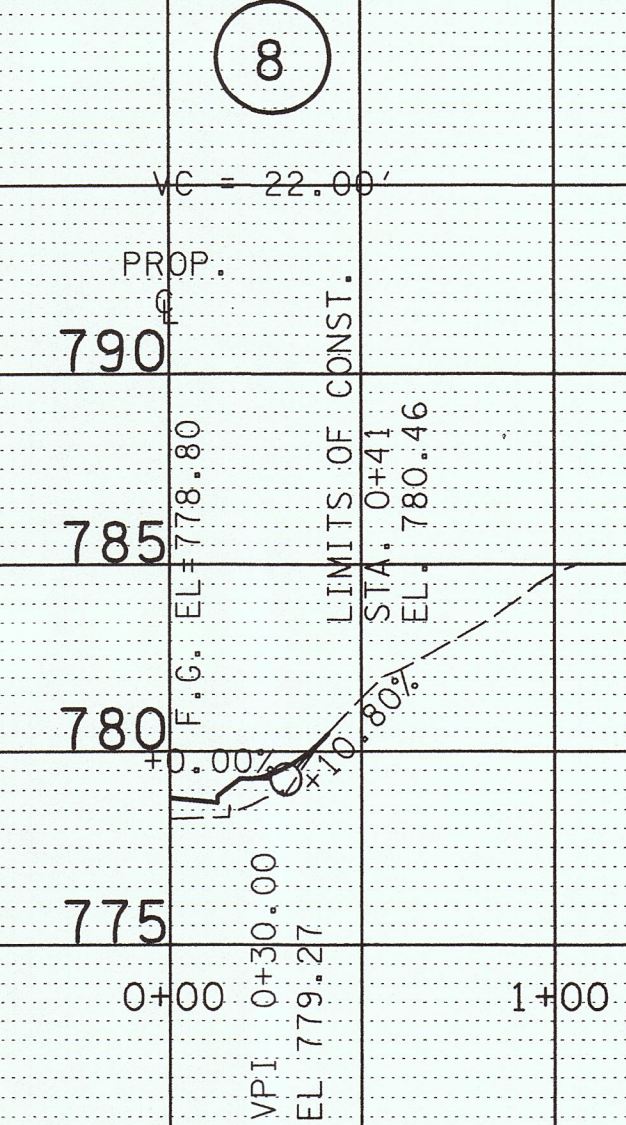
QUEENS ST.
10' FIELD ENT. STA. 31+35 LT



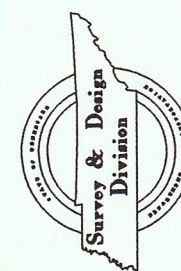
QUEENS ST.
10' PVT. DR. STA. 32+62 RT



QUEEN ST.
10' PVT. DR. STA. 33+76 LT



*****SYTIME*****
*****SDONSPFC*****



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF PLANNING & DEVELOPMENT

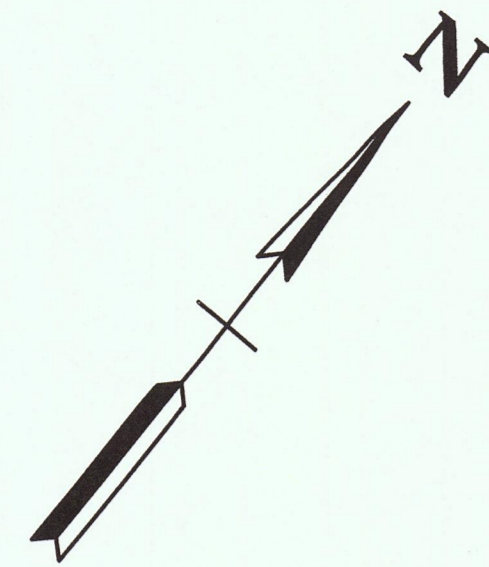
DRIVEWAY PROFILES

SCALE: 1" = 50' HORIZ.
1" = 5' VERT.

TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2005	BRZE-7300(22)	8

STA. 10+00.00 SOUTHERN RAILROAD
N 587349.6390
E 2396492.8160

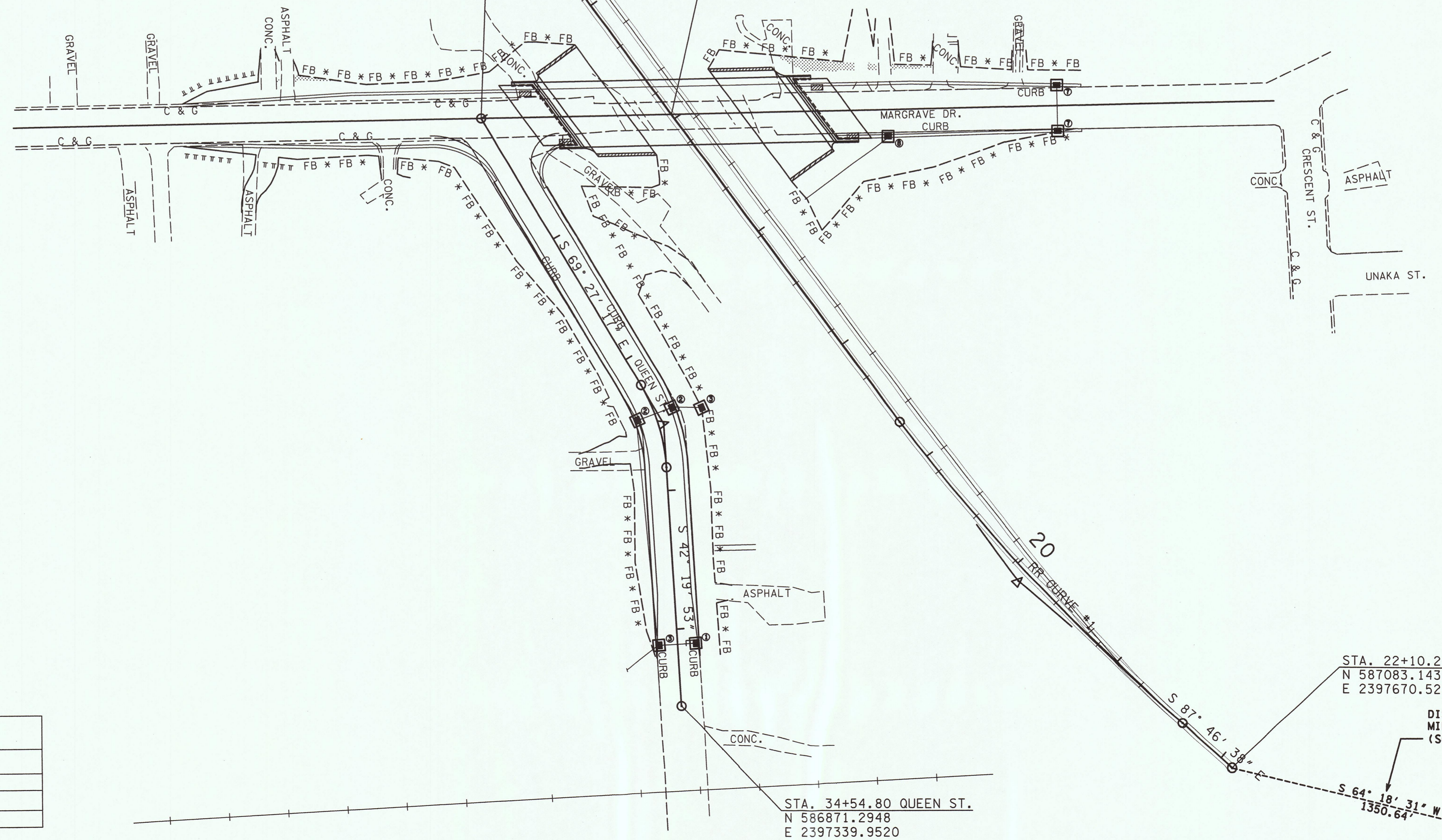


10

RAIL 1
RAIL 2
RAIL 3
RAIL 4

STA. 53+30.64 MARGRAVE DR. =
STA. 30+00.00 QUEEN ST.
N 587110.1360
E 2396966.3510

STA. 54+65.28 MARGRAVE DR. =
STA. 15+96.26 SOUTHERN RAILROAD
N 587197.0084
E 2397069.2093



STA. 22+10.29 SOUTHERN RAILROAD
N 587083.1430
E 2397670.5270

DIST. TO NEAREST
MILE MARKER
(SOUTHERN R/R STA. 50+00)

STA. 34+54.80 QUEEN ST.
N 586871.2948
E 2397339.9520

S 64° 18' 31" W
1350.64'

LEGEND	
SYMBOL	DESCRIPTION
*FB * FB * FB *	TEMPORARY FILTER BARRIER
	CATCH BASIN FILTER ASSEMBLY (TYPE)
	TEMPORARY BERM

COORDINATE VALUES ARE NAD/83(1995)
AND ARE DATUM ADJUSTED BY THE
FACTOR 1.00008 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF PLANNING & DEVELOPMENT

EROSION CONTROL

STA. 50+00 TO STA. 58+91
SCALE: 1" = 50' HORIZ.

