

SCANNED
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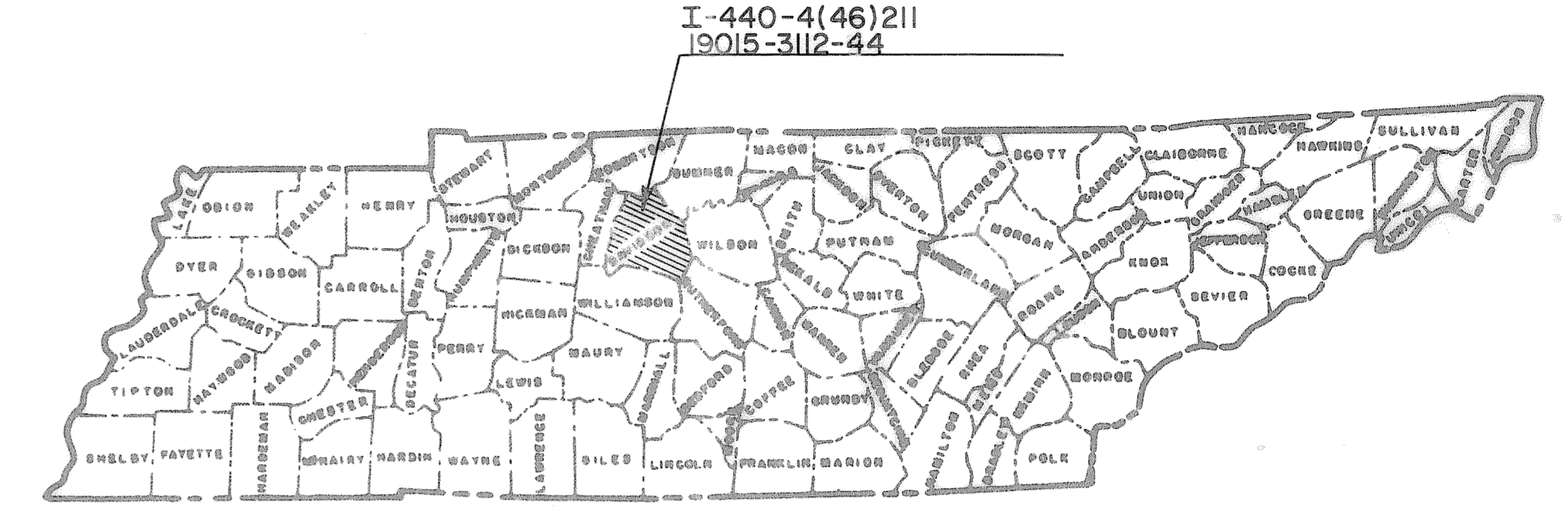
INDEX OF SHEETS
SEE SHEET NO. 1A

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

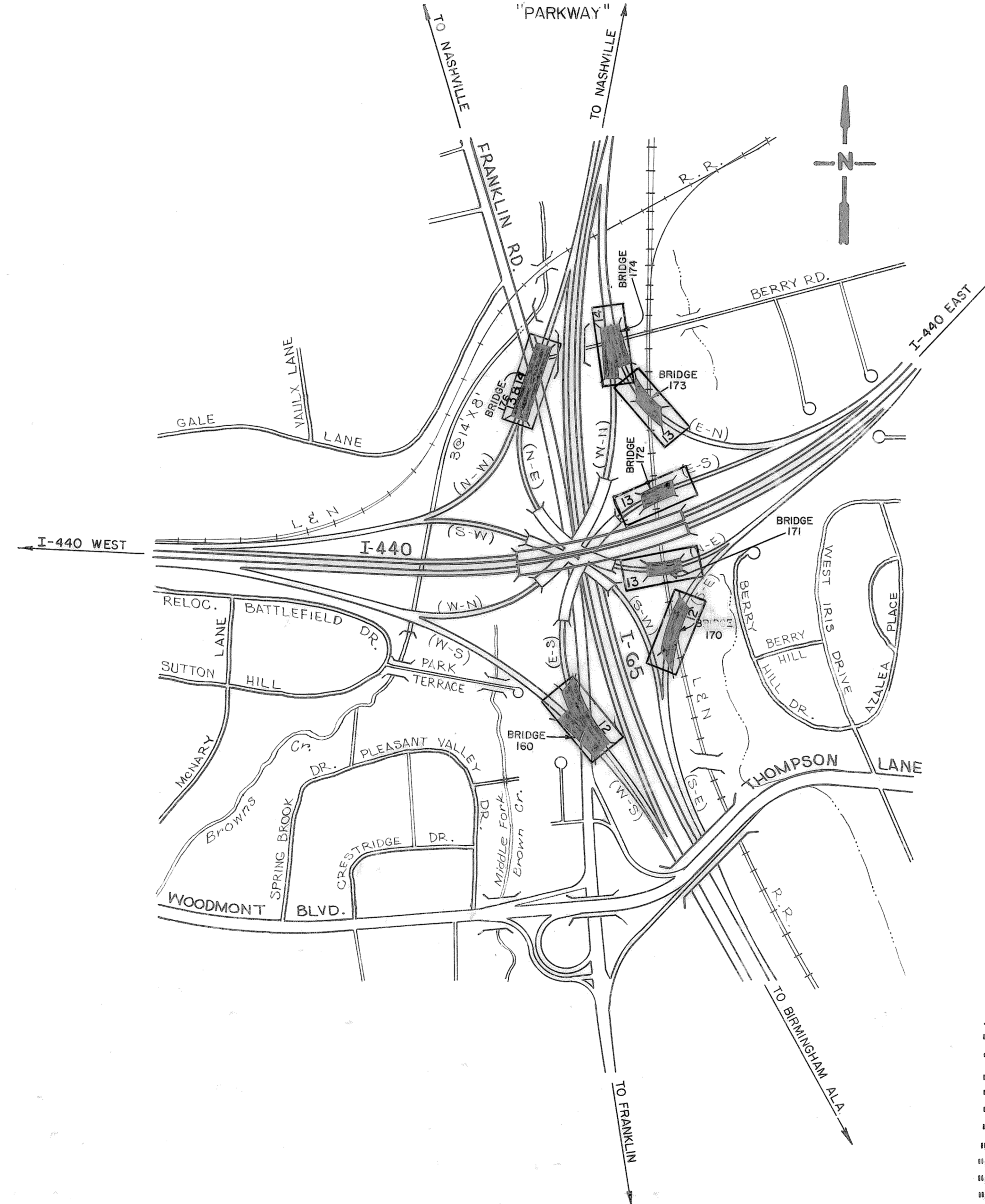
FED. ROAD DIST. NO.	TENN.	YEAR	SHEET NO.
3	N	1982	1
FED. AID PROJ. NO.	I-440-4(46)211		
STATE PROJ. NO.	19015-3112-44		

DAVIDSON COUNTY
BRIDGE AND APPROACHES OF RAMPS ON I-440
OVER L&N RAILROAD, I-65(SOUTH) AND FRANKLIN PIKE.

GRADE, DRAIN & BRIDGES



INTER STATE HIGHWAY NO. I-440 F.A.H.S. NO. I-440



NO EQUATIONS
NO EXCLUSIONS

TRAFFIC DATA	
ADT (BASE YEAR)	30,100
ADT (DESIGN YEAR)	62,000
DHV (DESIGN YEAR)	5,270
D	55-45
T	8%
V (MAIN LINE)	60 M.P.H.
V (RAMPS)	50 M.P.H.

TRAFFIC SHOWN ABOVE IS "REDUCED FACILITY" TRAFFIC AS DESCRIBED IN THE F.E.I.S. AS APPROVED BY THE F.H.W.A. ON 9-19-80.

SPECIAL NOTE

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.

ROADWAY LENGTH 0.000 MILES
*** BRIDGE LENGTH 0.000 MILES**
PROJECT LENGTH 0.000 MILES

- * SEVEN (7) PERIPHERAL BRIDGES
- "W-S" RDWY. OVER FRANKLIN PIKE (0.039 MI.)
- "E-S" RDWY. OVER FRANKLIN PIKE (0.043 MI.)
- "S-E" RDWY. OVER L&N RAILROAD (0.059 MI.)
- "N-E" RDWY. OVER L&N RAILROAD (0.029 MI.)
- "E-S" RDWY. OVER L&N RAILROAD (0.039 MI.)
- "E-N" RDWY. OVER L&N RAILROAD (0.046 MI.)
- "E-N" RDWY. OVER BERRY RD. (0.019 MI.)
- "W-N" RDWY. OVER BERRY RD. (0.019 MI.)
- "N-W" RDWY. OVER BERRY RD. & FRANKLIN PIKE (0.077 MI.)
- "N-E" RDWY. OVER BERRY RD. & FRANKLIN PIKE (LENGTH BASED ON "N-W" RDWY.)

APPROVED Lewis Evans
STATE TRANSPORTATION ENGINEER

DATE _____

APPROVED Pat E. F...
COMMISSIONER

U.S. DEPARTMENT OF TRANSPORTATION
 FEDERAL HIGHWAY ADMINISTRATION

APPROVED: _____
DIVISION ADMINISTRATOR DATE _____

THIS PROJECT TO BE CONSTRUCTED UNDER THE STANDARD SPECIFICATIONS OF THE TENNESSEE DEPARTMENT OF TRANSPORTATION FORMERLY DEPARTMENT OF HIGHWAYS DATED MARCH 1, 1981 AND ADDITIONAL SPECIFICATIONS AND SPECIAL PROVISIONS CONTAINED IN THE PLANS AND IN THE PROPOSAL CONTRACT. P.E. NO. 19009-5134-44

DESIGNER EUGENE T. ROBERSON, SR. CHECK BY _____

INDEX OF SHEETS

SHEET NO.	SHEET NAME
1	TITLE SHEET
1A	INDEX OF SHEETS
2	ESTIMATED BRIDGE QUANTITIES AND INDEX
2A	ESTIMATED ROADWAY QUANTITIES
2B	GENERAL NOTES & SCOPE OF WORK
2C	TYPICAL SECTIONS I-440
2D,2E	TYPICAL SECTIONS I-440 RAMPS
3	PROPOSED R/W STA 501+00 TO STA. 517+00 (I-65)
4	PROPOSED R/W RELOCATED FRANKLIN PIKE STA.10+00 TO STA. 20+00 (I-65 STA.506+00 TO STA. 512+00)
5-6	PROPOSED R/W STA 320+08 TO STA. 334+00 & STA.334+00 TO STA.348+00(I-440)
7	PROPOSED R/W STA 339+00 "W-S" RDWY. TO STA. 352+00 "W-S" RDWY.
8	PROPOSED R/W STA 647+00 "N-W" RDWY. TO STA. 654+00 "N-W" RDWY.
9	PROPOSED R/W STA. 514+00 TO STA.530+00 (I-65)
10	PROPOSED R/W STA 528+00 TO STA.544+00(I-65)
11-14	PROPOSED LAYOUT
15	RAMP PROFILE "S-E" RDWY. STA. 506+00 TO STA. 520+00
16	RAMP PROFILE "S-W" RDWY. STA. 138+26.74 TO STA. 152+00
17	RAMP PROFILE "E-N" RDWY. STA.527+00 TO STA.540+00
18	RAMP PROFILE "N-W" RDWY. STA. 642+00 TO STA. 654+00
19-20	RAMP PROFILE "E-S" RDWY. STA 243+00 TO STA.257+00 AND STA. 257+00 TO STA.263+00 AND "N-E" RDWY. STA. 38+00 TO STA. 43+00
21	RAMP PROFILE "N-E" RDWY. STA. 43+00 TO STA.57+00
22-23	RAMP PROFILE "W-S" RDWY. STA.337+00 TO STA.350+00 AND STA. 350 +00 TO STA. 362+00
24	RAMP PROFILE "W-N" RDWY. STA. 452+00 TO STA. 466+00
25	TRAFFIC FLOW
26	TRAFFIC CONTROL
27	TRAFFIC CONTROL SIGNAL ADJUSTMENT

STANDARD DRAWINGS

DWG NO	CURRENT REVISION DATE	DESCRIPTION
<u>ROADWAY DESIGN STANDARDS</u>		
RD-A-1	9-18-79	STANDARD ABBREVIATIONS
RD-L-1	3-15-76	STANDARD LEGEND
RD-L-2	9-18-79	STANDARD LEGEND
RD-S-II	4-4-77	ROADSIDE SLOPE DEVELOPMENT
RD-S-IIA	4-4-77	ROADSIDE DITCH DETAILS FOR DESIGN AND CONSTRUCTION
RD-S-15	4-4-77	DESIGN STANDARDS 4-LANE HIGHWAY IN RURAL AND URBAN AREAS (ON F.A.I. & F.A.P. SYSTEMS)
RD-SA-1	4-4-77	SAFETY APPROACH TO UNDERPASSES- GRADING DESIGN
RD-SE-1	11-9-76	STANDARD SUPERELEVATION DETAILS
<u>DRAINAGE - CULVERTS & ENDWALLS</u>		
D-CE-1	1-1-76	CONSTRUCTION DETAILS
<u>DRAINAGE - CATCH BASINS AND MANHOLES</u>		
D-CB-9	1-1-76	STANDARD APRON SPILLWAY AT BRIDGE ENDS
<u>EROSION CONTROL & LANDSCAPING</u>		
EL-P-1	7-17-81	TEMPORARY POLLUTION CONTROL STRUCTURES
EL-P-2	7-17-81	TEMPORARY POLLUTION CONTROL STRUCTURE LOCATIONS

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	1982	I-440-4(46)211	1A

REV. 9-13-82 ADDED SHEET 27 TO PLANS.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

INDEX

SCANNED

Plan File No. 168

CANDY SHEET NO.

1780

TELETYPE 1001 112000

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	1982	I-440-4(46)2II	2

LIST OF DRAWINGS

BRIDGE NO.	DWG. NO.
BRIDGE NO. 160 LAYOUT OF BRIDGE	M-15-130 THRU M-15-43, M-15-43A, M-15-43B M-15-44 THRU M-15-48 & M-15-49A
BRIDGE NO. 170 LAYOUT OF BRIDGE	M-15-123 THRU M-15-138
BRIDGE NO. 171 LAYOUT OF BRIDGE	M-15-139 THRU M-15-150
BRIDGE NO. 172 LAYOUT OF BRIDGE	M-16-1 THRU M-16-13
BRIDGE NO. 173 LAYOUT OF BRIDGE	M-16-14 THRU M-16-26
BRIDGE NO. 174 LAYOUT OF BRIDGE	M-16-29 THRU M-16-42
BRIDGE NO. 176 LAYOUT OF BRIDGE	M-16-58 THRU M-16-77 M-16-77A

BRIDGE NO.160	BRIDGE NO.170	BRIDGE NO.171	BRIDGE NO.172	BRIDGE NO.173	BRIDGE NO.174	BRIDGE NO.176
E-S RDY. & W-S RDY. OVER FRANKLIN PIKE STA. 260+84.16 (E-S RDY.) STA. 352+19.71 (W-S RDY.) CONTINUOUS STEEL WELDED PLATE GIRDER WITH COMPOSITE CONCRETE DECK SLAB 2 SPANS - 106'-3 1/2' / 121'-1 1/2' (E-S RDY.) 88'-6 1/4' / 119'-5 1/8' (W-S RDY.) 30'-0" RDY. (E-S RDY.) 42'-0" RDY. (W-S RDY.) SKEW 42° 11' 51" LAYOUT DWG. NO. M-15-30	S-E RDY. OVER L&N RAILROAD STA. 517+80.00 CONTINUOUS STEEL WELDED PLATE GIRDER WITH COMPOSITE CONCRETE DECK SLAB 3 SPANS 84'-11" / 126'-0" / 104'-3" 30'-0" RDY. WITH PARAPETS SKEW 29° 33' 30" LAYOUT DWG. NO. M-15-123	N-E RDY. OVER L&N RAILROAD STA. 55+12.90 CONTINUOUS PRECAST PRESTRESSED CONCRETE I-BEAM WITH CONCRETE DECK SLAB 3 SPANS @ 52'-0" 30'-0" RDY. WITH PARAPETS SKEW 89° 09' 48" LAYOUT DWG. NO. M-15-139	E-S RDY. OVER L&N RAILROAD STA. 244+24.47 CONTINUOUS PRECAST PRESTRESSED CONCRETE I-BEAM WITH CONCRETE DECK SLAB 3 SPANS @ 69'-0" 30'-0" RDY. WITH PARAPETS SKEW 71° 24' 00" LAYOUT DWG. NO. M-16-1	E-N RDY. OVER L&N RAILROAD STA. 531+04.25 CONTINUOUS PRECAST PRESTRESSED CONCRETE I-BEAM WITH CONCRETE DECK SLAB 3 SPANS 82'-8" / 79'-4" / 84'-2" 30'-0" RDY. WITH PARAPETS SKEW 41° 20' 00" LAYOUT DWG. NO. M-16-14	W-N RDY. & E-N RDY. OVER BERRY ROAD STA. 462+17.56 (W-N RDY.) STA. 535+12.45 (E-N RDY.) CONTINUOUS PRECAST PRESTRESSED CONCRETE BOX BEAM WITH CONCRETE DECK SLAB 30'-0" RDY. (W-N RDY.) 30'-0" RDY. (E-N RDY.) SKEW 78° 19' 39" LAYOUT DWG. NO. M-16-29 1 SPAN @ 103'-06" (W-N) 1 SPAN @ 100'-29" (E-W)	N-W RDY. OVER FRANKLIN PIKE & BERRY ROAD STA. 648+82.73 CONTINUOUS STEEL WELDED PLATE GIRDER WITH COMPOSITE CONCRETE DECK SLAB 3 SPANS 200'-0" / 121'-0" / 86'-0" RDY. VARIES 42'-0" MIN. SKEW 90° 00' 00" LAYOUT DWG. NO. M-16-58

ESTIMATED BRIDGE QUANTITIES

ITEM NO.	DESCRIPTION	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	TOTAL QUANTITIES	UNIT
204-02.01	DRY EXCAVATION (BRIDGES)		436	181	202	346		446	1,611	C.Y.
204-04.01	ROCK EXCAVATION (BRIDGES)		14	7	18	12		40	91	C.Y.
204-05	ROCK DRILLING (BRIDGES)		36	24	24	36		36	156	L.F.
602-14.01	STEEL STRUCTURES (ERECTION) (BRIDGE NO. 160)	1							1	L.S.
602-18.01	STEEL STRUCTURES (FURNISH DOMESTIC) (BRIDGE NO. 160)	1							1	L.S.
602-46.01	STEEL STRUCTURES (FURNISH FOREIGN) (BRIDGE NO. 160)	1							1	L.S.
602-14.02	STEEL STRUCTURES (ERECTION) (BRIDGE NO. 170)	1							1	L.S.
602-18.02	STEEL STRUCTURES (FURNISH DOMESTIC) (BRIDGE NO. 170)	1							1	L.S.
602-46.02	STEEL STRUCTURES (FURNISH FOREIGN) (BRIDGE NO. 170)	1							1	L.S.
602-14.03	STEEL STRUCTURES (ERECTION) (BRIDGE NO. 176)	1							1	L.S.
602-18.03	STEEL STRUCTURES (FURNISH DOMESTIC) (BRIDGE NO. 176)	1							1	L.S.
602-46.03	STEEL STRUCTURES (FURNISH FOREIGN) (BRIDGE NO. 176)	1							1	L.S.
604-02.03	EPOXY COATED REINFORCING STEEL	182,574	105,435	51,441	60,189	114,377	138,442	229,221	881,679	L.B.
604-03.01	CLASS 'A' CONCRETE (BRIDGES)	553.6	642.6	331.6	374.7	552.0	812.9	1,346.8	4,614.2	C.Y.
604-03.02	STEEL BAR REINFORCEMENT (BRIDGE'S)	447	89,669	48,944	39,992	62,097	34,519	140,228	415,896	L.B.
604-03.03	LINSEED OIL TREATMENT	3,382	1,150	651	811	936	1,597	2,212	10,739	S.Y.
604-04.01	APPLIED TEXTURE FINISH (NEW STRUCTURES)	2,371	874	471	1,714	1,083	1,882	3,259	11,654	S.Y.
604-04.02	APPLIED TEXTURE FINISH (EXISTING STRUCTURES)	874						211	1,085	S.Y.
606-22.03	STEEL PILES (10 INCH) (DRIVING)		785	750	520	910	945	560	4,470	L.F.
606-32.03	STEEL PILES (10 INCH) (FURNISH DOMESTIC)		785	750	520	910	945	560	4,470	L.F.
606-42.03	STEEL PILES (10 INCH) (FURNISH FOREIGN)		785	750	520	910	945	560	4,470	L.F.
615-01.02	PRESTRESSED CONCRETE I-BEAM (TYPE II)			612					612	L.F.
615-01.03	PRESTRESSED CONCRETE I-BEAM (TYPE III)				810	1,178			1,988	L.F.
615-02.14	PRESTRESSED CONCRETE BOX BEAM (48" X 48")						996		996	L.F.
620-03	CONCRETE PARAPET	548.3	728	315	412	510	273	976	3,762.3	L.F.
709-04	REINFORCED CONCRETE SLOPE PAYEMENT		160	80	64	70	55	22	451	C.Y.
710-10	6" Ø PERFORATED C.M. PIPE (18 GA.) W/POROUS BACKFILL		167	76	89	137	186	245	900	L.F.
710-11	6" Ø C.M. PIPE UNDERDRAINS (18 GA.)		34	26	28	26	73	24	211	L.F.
908-21.02	BEARINGS							14	14	EA.
920-01.11	ROADWAY EXPANSION DEVICE	220						101	321	L.F.

LIST OF SPECIAL PROVISIONS

NO.	REV. DATE
105A - REGARDING APPROVAL OF SHOP DRAWING	9-8-81
602 - REGARDING SECTION 602 - STEEL STRUCTURES	9-8-81
602A - REGARDING SECTION 602 - STEEL STRUCTURES	9-8-81
907A - REGARDING EPOXY COATED REINFORCING STEEL	9-8-81

LIST OF STANDARD DRAWINGS

	DWG. NO.	LATEST REVISION DATE
BRIDGE RAIL - CONCRETE PARAPET	M-28-1	7-17-81
REINFORCING BAR SUPPORT DETAILS FOR CONCRETE SLABS	K-80-14	8-27-76
TENN. STD. PRECAST PRESTRESSED BRIDGE DECK PANELS	K-80-15A	
MISCELLANEOUS ABUTMENT AND DRAINAGE DETAILS	K-85-150	1-9-75
REINFORCED CONCRETE PAYEMENT AT BRIDGE ENDS	K-86-144	7-17-81
STD. PILE DETAILS	H-15-111	11-27-73
PORTABLE BARRIER RAIL	K-38-158	7-17-81

NOTE: FOR NOTES CONCERNING ESTIMATED QUANTITIES SEE DWG. NO. M-15-31, M-15-123, M-15-139, M-16-2, M-16-14, M-16-30, OR M-16-59.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ESTIMATED
BRIDGE
QUANTITIES

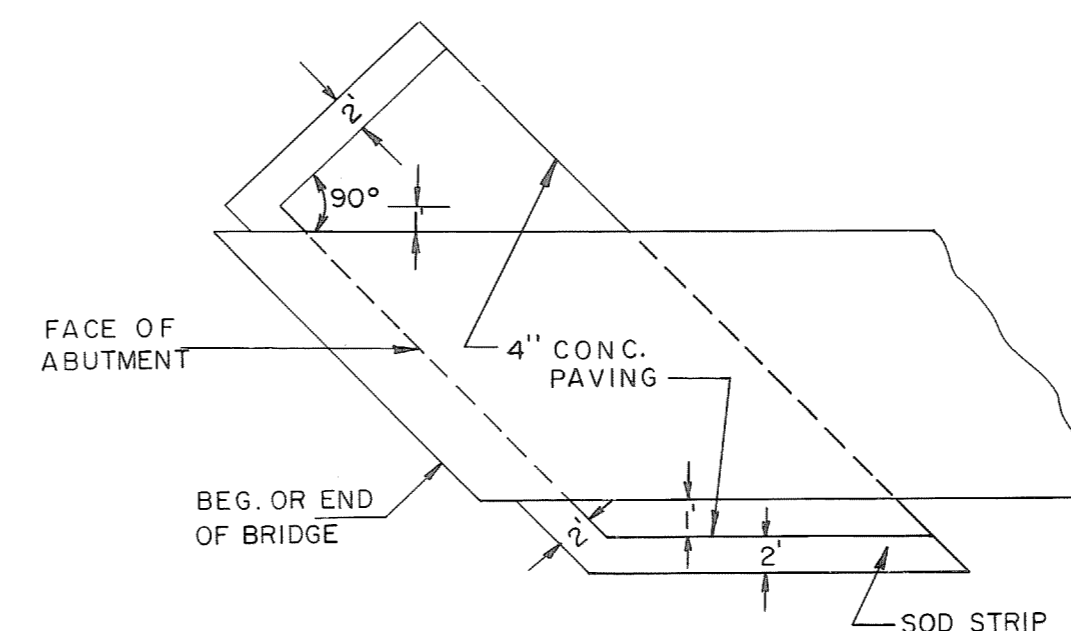
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	1982	I-440-4(46)211	2A

ESTIMATED ROADWAY QUANTITIES

ITEM NO.	DESCRIPTION	TOTAL	UNIT
109-10.01	TRAINEE	3,000	HOUR
①-②	203-01 ROAD & DRAINAGE EXCAVATION (UNCLASSIFIED)	10,000	CU.YD.
②	203-02 BORROW EXCAVATION (SOLID ROCK)	1,600	CU.YD.
	203-03 BORROW EXCAVATION (UNCLASSIFIED)	8,652	CU.YD.
	203-04 PLACING & SPREADING TOPSOIL	51	CU.YD.
	203-06 WATER	132	M.G.
	203-07 FURNISHING & SPREADING TOPSOIL	388	CU.YD.
204-07	BEDDING MATERIAL (PIPE) CLASS (B)	7	CU.YD.
206-01	FINAL DRESSING	23	PER STA.
⑦	207-01 SUBGRADE CONSTRUCTION AND PREPARATION	23	PER STA.
③	303-01 MINERAL AGGREGATE, TYPE "A" BASE, GRADING "D"	5,967	TON
④	604-01.01 CLASS "A" CONCRETE (ROADWAY)	17	CU.YD.
④	607-37.01 15" CORRUGATED METAL PIPE CULVERT	42	LIN.FT.
④	610-05.04 CORRUGATED METAL PIPE DRAINS (12")	242	LIN.FT.
703-01	CEMENT CONCRETE DITCH PAVING	21	CU.YD.
707-02	END AND CORNER POST ASSEMBLIES (CHAIN LINK) FENCE-6 FOOT	10	EACH
⑤	707-02.01 CHAIN-LINK FENCE (6 FOOT)	1,330	LIN.FT.
	712-01 TRAFFIC CONTROL	1	LUMP SUM
	712-02 PORTABLE BARRIER RAIL	430	LIN.FT.
	712-05.02 WARNING LIGHTS (TYPE B)	14	EACH
	712-05.03 WARNING LIGHTS (TYPE C)	15	EACH
	712-06 SIGNS (CONSTRUCTION)	169	SQ.FT.
	712-07.02 TEMPORARY BARRICADES (TYPE II)	4	LIN.FT.
	717-01 MOBILIZATION	1	LUMP SUM
	712-08.03 ARROW BOARD (TYPE C)	2	EACH
801-01.02	CROWN VETCH MIXTURE (WITH MULCH)	52	UNIT
801-03	WATER (SEEDING AND SODDING)	56	M.G.
⑤	801-07 SEED (SUPPLEMENTAL APPLICATION)	12	LB.
	801-08 FERTILIZER (SUPPLEMENTAL APPLICATION)	1	TON
803-01	SODDING (NEW SOD)	582	SQ.YD.
209-01	TEMPORARY BERM	1,110	LIN. FT.
209-02	TEMPORARY SLOPE DRAIN	425	LIN. FT.
⑥	209-05 SEDIMENT REMOVAL	1,000	CU.YD.
	209-06 BAILED HAY OR STRAW EROSION	202	BALE
	209-07 DUMPED ROCK	500	CU.YD.

SPECIAL NOTE

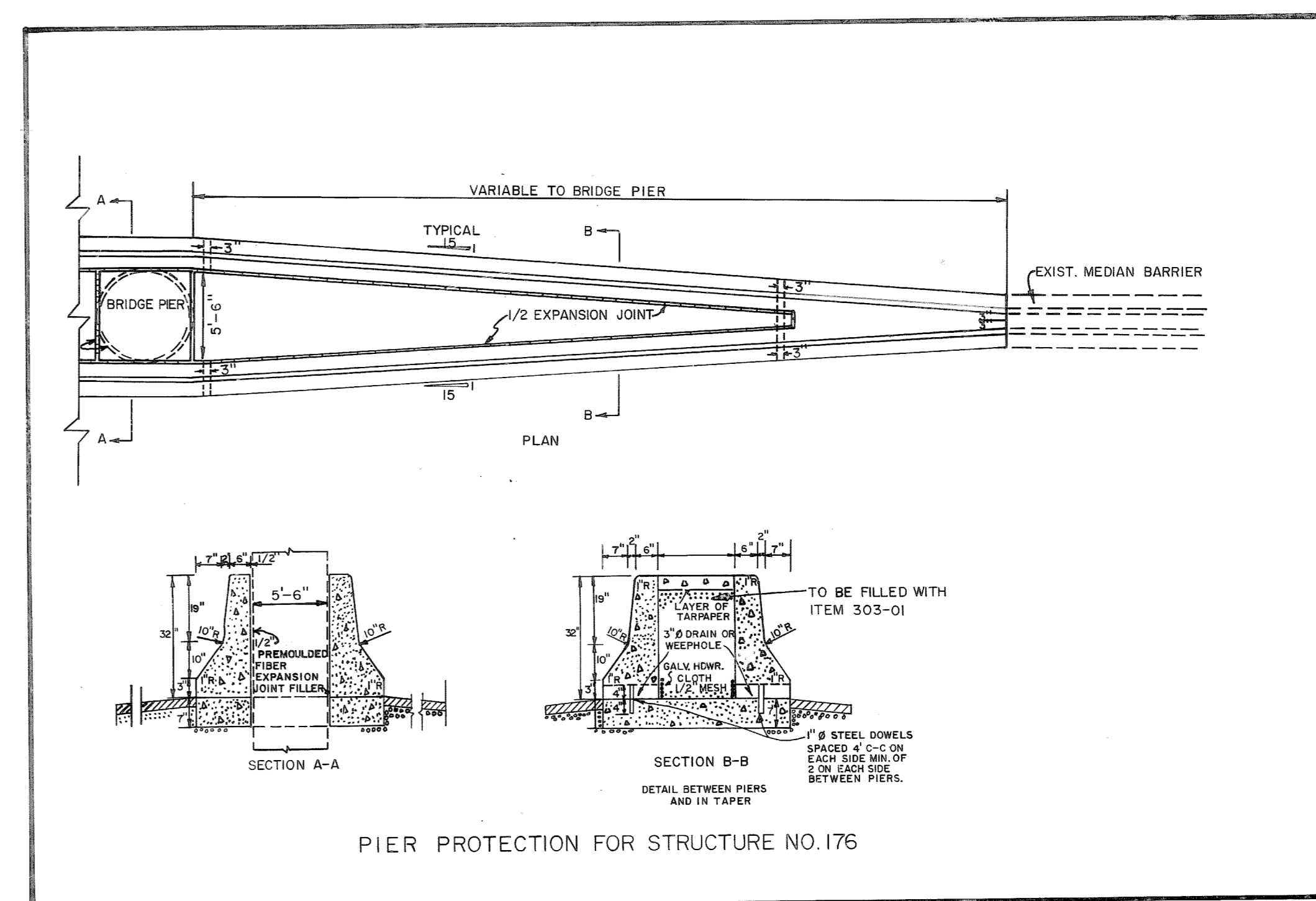
QUANTITY FOR SLOPE PAVING ON STRUCTURES ARE SHOWN ON ESTIMATED BRIDGE QUANTITIES BLOCK (SHEET 2.).



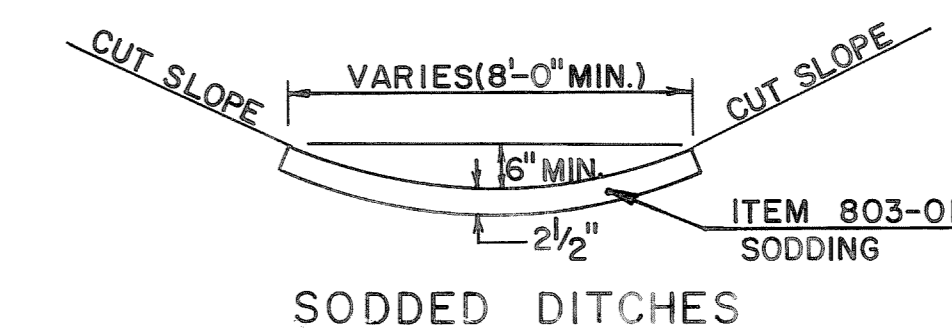
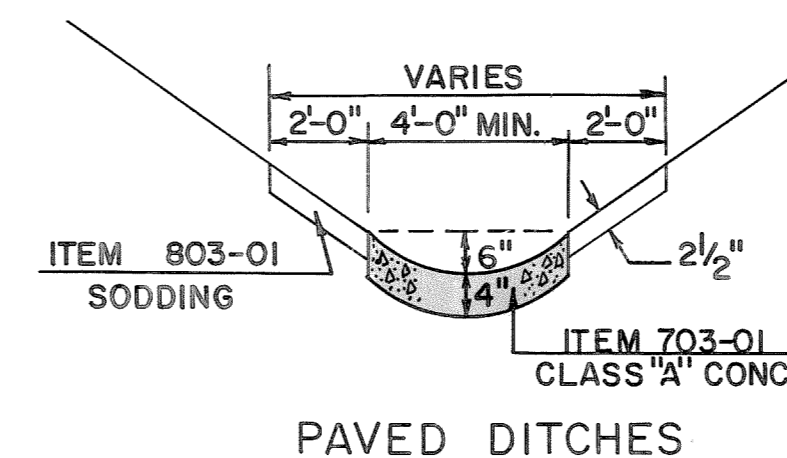
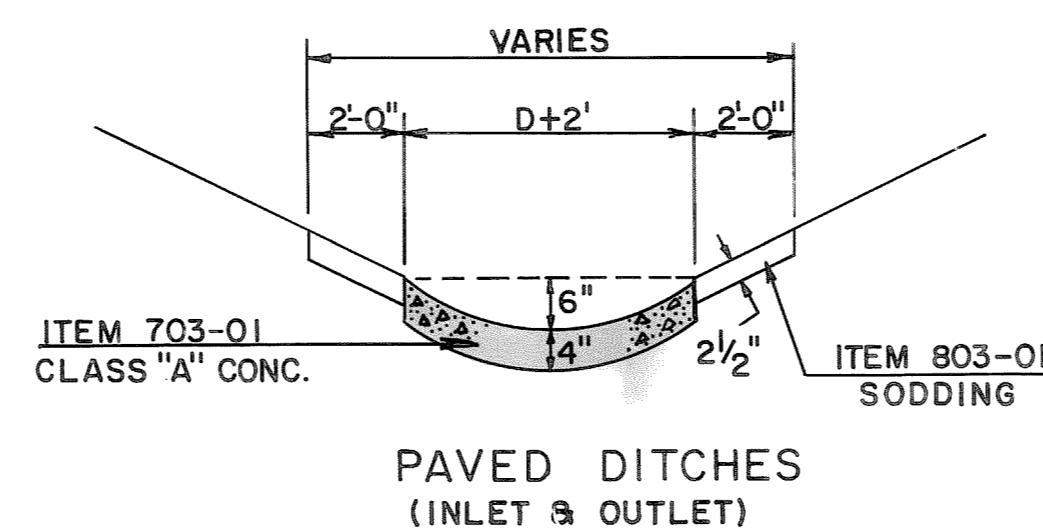
SKETCH SHOWING DETAILS OF SLOPE PAVING (CONC.) UNDER SKEWED BRIDGE

NOTE

PAVE SLOPES AND EXPOSED EARTH UNDER BRIDGES WITH 4" THICK CEMENT CONCRETE SLAB REINFORCED WITH NO.4 GAGE WIRE FABRIC @ 6" CENTER TO CENTER AND 58 LBS. PER 100 S.F. THE SLAB SHALL EXTEND THE WIDTH OF THE STRUCTURE. THE WIRE FABRIC REINFORCEMENT SHALL BE PLACED ONE-HALF THE DEPTH OF THE SLAB AND EXTEND TO WITHIN 3" OF ITS EDGE WITH A 12" OVERLAP REQUIRED ON ALL SHEETS. THE COST OF THE WIRE FABRIC REINFORCEMENT TO BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 709-04, REINFORCED CONCRETE SLOPE PAVEMENT. ONE-HALF INCH PREMOULDED EXPANSION JOINTS WITHOUT LOAD TRANSFERS SHALL BE FORMED ABOUT ALL STRUCTURES AND FEATURES PROJECTING THRU, IN OR AGAINST THE SLAB. THE SLAB SHALL GROOVED PARALLEL WITH AND AT RIGHT ANGLES TO THE UNDER ROADWAY CENTER LINE AT 6' CENTER TO CENTER. DEPTH OF GROOVE TO BE NOT LESS THAN 1" (FOR SKEWED BRIDGES, SEE MODIFICATION THIS SHEET).



- ① INCLUDES 7,600 CU.YD. FOR STRUCTURE NO.176.
- ② TO BE USED FOR ROCK FILL PADS ON STRUCTURE NO. 176, SEE LAYOUT OF STRUCTURE NO. 176 FOR DETAILS. (DWG. NO. M-16-58).
- ③ TO BE USED ON STRUCTURE NO'S. 160, 170, 171, 172, 173, 174, & 176.
- ④ TO BE USED FOR SPILLWAY AT BRIDGE ENDS.
- ⑤ CONTINGENCY ITEM.
- ⑥ QUANTITY MAY BE INCREASED, DECREASED OR ELIMINATED AS DIRECTED BY THE ENGINEER.
- ⑦ INCLUDES QUANTITY FOR DRESSING GRADED AREAS AT BRIDGE ENDS.



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ESTIMATED
ROADWAY
QUANTITIES

GENERAL NOTES

MISCELLANEOUS

- ① THE THEORETICAL GRADE LINE SHOWN ON THE PLANS REPRESENTS THE FINISHED PAVEMENT SURFACE.
- ② SUPERELEVATION AND CROWNING ARE PLUS OR MINUS FROM THE THEORETICAL GRADE LINE. SEE STD. DWG. NO. RD-SE-1, ROADWAY CROSS-SECTIONS AND PROFILE SHEETS FOR DETAILS.
- ③ NO OPEN BURNING WILL BE ALLOWED ON THIS PROJECT.
- ④ NO MAJOR GEOLOGICAL PROBLEMS ARE EXPECTED ON THIS PROJECT, HOWEVER IF ANY PROBLEMS ARISE THE DIVISION OF SOILS AND GEOLOGY WILL BE NOTIFIED FOR INVESTIGATION AND REMEDIAL ACTIONS IF NEEDED.
- ⑤ LOCATION OF UTILITIES PUBLIC AND/OR PRIVATE ARE APPROXIMATELY ONLY, THEIR EXACT LOCATION SHALL BE DETERMINED IN THE FIELD BY THE ENGINEER.
- ⑥ DITCH QUANTITIES, IN GENERAL, ARE BASED UPON THE PAVING OF ALL EARTHEN DITCHES HAVING GRADES OF 3% OR MORE, AND THE SODDING OF THOSE HAVING GRADES LESS THAN 3%.
- ⑦ THE ENGINEER IN CHARGE OF PROJECT CONSTRUCTION MAY DECIDE THAT SOME DITCHES WITH GRADES 3% OR STEEPER WOULD FUNCTION WITHOUT EROSION IF SODDED OR THAT SOME DITCHES WITH GRADE FLATTER THAN 3% SHOULD BE PAVED. PAYMENT WILL BE ADJUSTED FOR THE INCREASE AND/OR DECREASE IN QUANTITIES AT THE PRICE BID.
- ⑧ FORMED OR SAWED CONTRACTION JOINTS (1/4" WIDE AND 1" DEEP) WILL BE REQUIRED AT A MAXIMUM OF 20' INTERVALS AND ONE-HALF (1/2) INCH TRANSVERSE PREMOULDED FIBER EXPANSION JOINTS WILL BE REQUIRED AT 60' INTERVALS IN ALL CONCRETE PAVED DITCHES, COST TO BE INCLUDED IN THE PRICE BID FOR THE PAY ITEM FOR PAVED DITCHES.
- ⑨ THE CONTRACTOR WILL BE REQUIRED TO SHAPE DITCHES TO THE SPECIFIED DESIGN, ALL COST TO BE INCLUDED IN THE PRICE BID FOR THE PAY ITEM FOR PAVED DITCHES.
- ⑩ THE ATTENTION OF THE CONTRACTOR IS DIRECTED TO THE FACT THAT HE WILL NOT HAVE EXCLUSIVE OCCUPANCY WITHIN AND ADJACENT TO THE LIMITS OF THIS CONTRACT. CONTRACT FOR STACK BRIDGES OVER I-65 IS ANTICIPATED DURING THE WORK OF THIS CONTRACT. THIS CONTRACTOR SHALL NOT RESTRICT RIGHT OF ACCESS TO ANY SUBSEQUENT CONTRACTORS OR OTHERS TO WHOM THE STATE MAY GRANT THE RIGHT TO WORK WITHIN THE PROJECT AREA.
- ⑪ THE ABATEMENT OF CONSTRUCTION NOISE IS A HIGH PRIORITY AREA ON THIS CONTRACT. MEANING THAT THE CONTRACTOR WILL BE REQUIRED TO PERFORM HIS NORMAL CONSTRUCTION OPERATIONS BETWEEN THE HOURS OF 6:00 A.M. AND 7:00 P.M. AS DIRECTED BY THE ENGINEER. THIS INCLUDES BLASTING, DRILLING, OPERATION OF HEAVY CONSTRUCTION EQUIPMENT AS FAR AS BLASTING IS CONCERNED THE CONTRACTOR WILL BE REQUIRED TO COMPLY WITH THE 1975 BLASTING LAW, WHICH IS ADMINISTERED BY THE TENNESSEE DEPARTMENT OF INSURANCE AND BANKING. THIS LAW REQUIRES CERTIFICATION OF PERSONNEL IN THE FIELD AND ESTABLISHES CRITERIA RELATING TO SIZE, TIMING, AND MAGNITUDE OF THE BLAST, AND THE DISTANCE FROM ANY NEARBY BUILDINGS OR IMPROVEMENTS. SHOULD ANY DAMAGES OCCUR DUE TO BLASTING, THE CONTRACTOR WILL BE HELD RESPONSIBLE.
- ⑫ THE CONTRACTOR MAY BE REQUIRED TO GRADE CERTAIN SOLID ROCK CUTS ALONG THE L&N RAILROAD AREA. THESE AREAS WILL BE UNDERCUT TO A DEPTH OF 12", THEN BACKFILLED WITH 9" OF EARTHEN MATERIAL AND 3" OF TOPSOIL PRIOR PLACING THE SEEDING (CROWN VETCH). COST TO BE INCLUDED IN THE UNIT PRICE BID FOR ITEM NOS. 203-01, 203-04 AND 801-01.02.
- ⑬ THE CONTRACTOR WILL BE REQUIRED TO USE EXTREME CAUTION IN WORKING AROUND EXISTING UTILITIES ALONG THE L & N RAILROAD, I-65 AND FRANKLIN ROAD. IN THE EVENT ANY DAMAGE IS DONE TO THESE EXISTING UTILITIES DUE TO THE CONSTRUCTION OF THIS PROJECT THE CONTRACTOR WILL BE RESPONSIBLE FOR REPAIRING SAID DAMAGE.
- ⑭ THE COST OF CONSTRUCTING CONCRETE MEDIAN BARRIER AROUND BENT I ON STRUCTURE NO. 176 IS TO BE INCLUDED ON OTHER ITEMS OF CONSTRUCTION BID ON.
- ⑮ THE CONTRACTOR SHALL KEEP ONE (1) LANE, IN EACH DIRECTION (NORTH AND SOUTH) ON FRANKLIN PIKE, (EAST AND WEST) ON BERRY RD. AND SHALL KEEP ALL LANES OPEN TO TRAFFIC DURING THE PEAK HOURS OF TRAFFIC BETWEEN THE HOURS OF 6:30 A.M. TO 8:30 A.M. AND FROM THE HOURS OF 3:30 P.M. TO 5:30 P.M.
- ⑯ THE CONTRACTOR WILL ADJUST FILL EMBANKMENT HEIGHTS TO CONFORM TO PLANS.
- ⑰ THE CONTRACTOR WILL NOTIFY L&N RAILROAD WHEN CONSTRUCTING BRIDGES OVER RAILROAD (SEE SPECIAL NOTE ON LAYOUT DRAWING OF STRUCTURES).
- ⑱ THE COST OF CULVERT EXCAVATION FOR PIPE CULVERTS IS TO BE INCLUDED IN PRICE BID PER LINEAR FOOT OF PIPE.
- ⑲ FRANKLIN PIKE AND BERRY ROAD WILL BE CLOSED FOR THE SETTING OF BEAMS BY THE CONTRACTOR ON STRUCTURES NO. 160, 174, & 176; THIS SHALL BE DONE BY THE CONTRACTOR ON WEEKENDS ONLY. A TRAFFIC SCHEME WILL BE MADE BY THE CONTRACTOR AND SUBMITTED TO THE REGIONAL TRAFFIC ENGINEER FOR HIS APPROVAL BEFORE CLOSING OF STREETS.

UTILITIES

LOUISVILLE & NASHVILLE RAILROAD

RAILROAD ASSISTANT CHIEF ENGINEER
MR. G. T. BONNER
L & N RAILROAD COMPANY
P.O. BOX 32290
LOUISVILLE, KY. 40232

RAILROAD SUPERINTENDENTS:

MR. F. E. PURSLEY
L & N RAILROAD
NASHVILLE DIVISION
1038 TALLEY AVENUE
NASHVILLE, TN. 37211

MR. E. W. BRATCHER
L & N RAILROAD
ATLANTA DIVISION
P.O. BOX 1779
ATLANTA, GA. 30301

TELEPHONE

MR. C. H. BATES
SOUTH CENTRAL BELL
2002 RICHARD JONES ROAD
NASHVILLE, TN. 37215

MR. WESLEY HAYNES
SOUTH CENTRAL BELL
NO. 2 VANTAGE WAY
METRO CENTER
NASHVILLE, TN. 37228

GAS

MR. PETE GRIMES
NASHVILLE GAS COMPANY
800 2ND AVENUE NORTH
NASHVILLE, TN. 37201

ELECTRIC

MR. JOE M^C KENZIE
NASHVILLE ELECTRIC SERVICE
1214 CHURCH STREET
NASHVILLE, TN. 37246

MR. ANDREW B. RYE
AREA SUPERINTENDENT
TENNESSEE VALLEY AUTHORITY
P.O. BOX 100257
NASHVILLE, TN.

WATER & SEWER

MR. RAY HARRINGTON
METRO WATER AND SEWER DEPT.
8TH FLOOR STAHLMAN BLDG.
211 CHURCH STREET
NASHVILLE, TN. 37201

APRON SPILLWAYS AT BRIDGE ENDS (STD. DWG. NO. D-CB-2)

LOCATION	SIDE	APPROX. STATION	WIDTH OF SPILLWAY OPENING	12" C.M. PIPE LIN. FT.	CLASS "A" CONCRETE CU. YDS.	REMARKS
"W-S" ROADWAY	RT.	353+80	10'	46'	3.4	ON STR. NO. 160
"S-E" ROADWAY	RT.	515+60	10'	44'	3.4	ON STR. NO. 170
"N-W" ROADWAY	RT.	646+55	10'	30'	3.4	ON STR. NO. 176
"E-N" ROADWAY	RT.	535+82	10'	52'	3.4	ON STR. NO. 174
"E-S" ROADWAY	LT.	243+19	10'	70'	3.4	ON STR. NO. 172
TOTALS				242'	17.0	

SCOPE OF WORK

- THE CONSTRUCTION OF 7 (SEVEN) BRIDGES:
1. BRIDGE NO. 160; "W-S" & "E-S" ROADWAY OVER FRANKLIN PIKE.
 2. BRIDGE NO. 170; "S-E" ROADWAY OVER L & N RAILROAD.
 3. BRIDGE NO. 171; "N-E" ROADWAY OVER L & N RAILROAD.
 4. BRIDGE NO. 172; "E-S" ROADWAY OVER L & N RAILROAD.
 5. BRIDGE NO. 173; "E-N" ROADWAY OVER L & N RAILROAD.
 6. BRIDGE NO. 174; "E-N" & "W-N" ROADWAY OVER BERRY ROAD
 7. BRIDGE NO. 176; "N-W" & "N-E" ROADWAY OVER BERRY ROAD & FRANKLIN PIKE.

THE GRADING OF I-440 RAMPS TO LINES AND GRADES AS INDICATED ON THE TYPICAL CROSS-SECTIONS, PLAN AND PROFILE SHEETS OR AS DIRECTED BY THE ENGINEER.

THE INSTALLATION OF CONCRETE SLOPE PAVING UNDER BRIDGES AND BRIDGE DRAINS AS INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

THE SEEDING (CROWN VETCH MIXTURE), SODDING, POLLUTION CONTROL AND ALL OTHER ITEMS NECESSARY FOR THE COMPLETION OF THIS PROJECT.

SPECIAL NOTE

IT IS ANTICIPATED THAT CONSTRUCTION OF PROJECT I-440-4(46)211 WILL NOT BE COMPLETED AT THE TIME OF LETTING OF FUTURE PROJECTS IN THIS AREA. THE CONTRACTOR OF THIS PROJECT WILL BE REQUIRED TO COOPERATE WITH CONTRACTORS OF FUTURE PROJECTS. THE CONTRACTOR ON THIS PROJECT WILL NOT RECEIVE ANY ADDITIONAL COMPENSATION FOR ANY DELAYS OR INCONVENIENCE CAUSED BY THE CONSTRUCTION OF FUTURE PROJECTS.

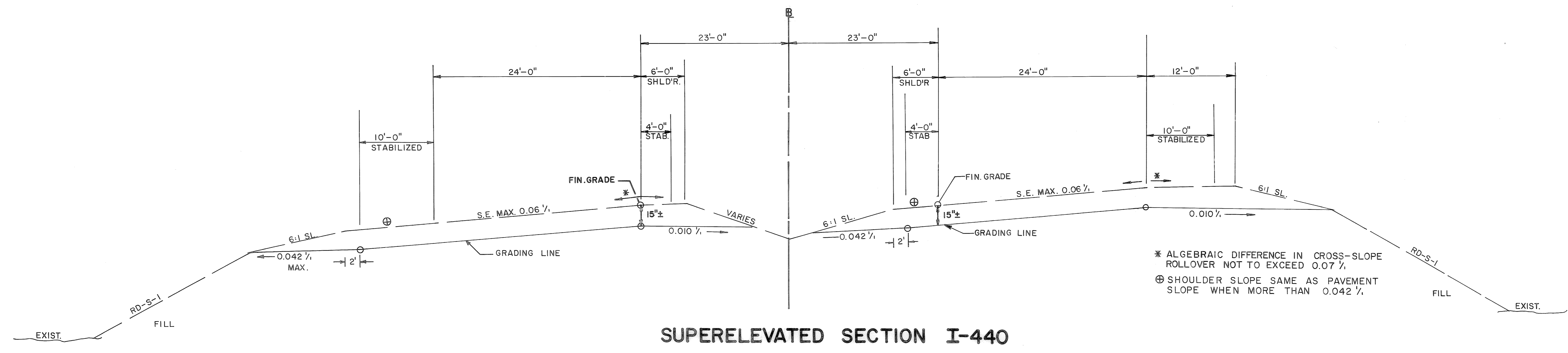
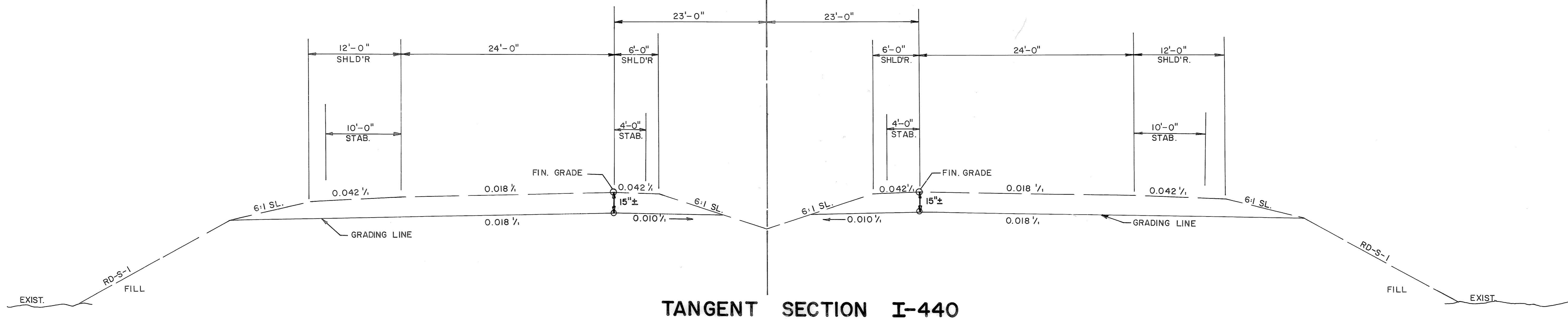
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	1982	I-440-4(46)211	2B

REV. 3-25-83: APRON SPILLWAY AT BRIDGE ENDS TABLE ADDED TO THIS SHEET.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES
&
SCOPE OF WORK

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	1982	I-440-4(46)211	2C



* ALGEBRAIC DIFFERENCE IN CROSS-SLOPE ROLLOVER NOT TO EXCEED 0.07 %
 ⊕ SHOULDER SLOPE SAME AS PAVEMENT SLOPE WHEN MORE THAN 0.042 %

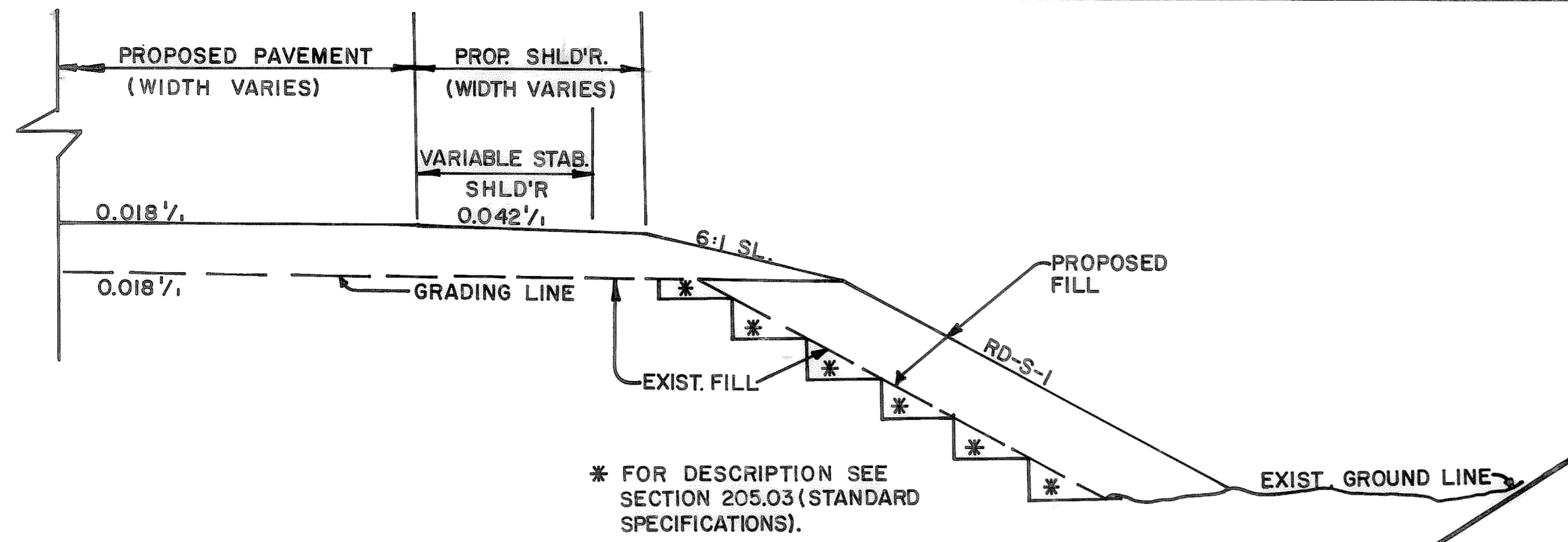
STATE OF TENNESSEE
 DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS I-440

(NOT TO SCALE)

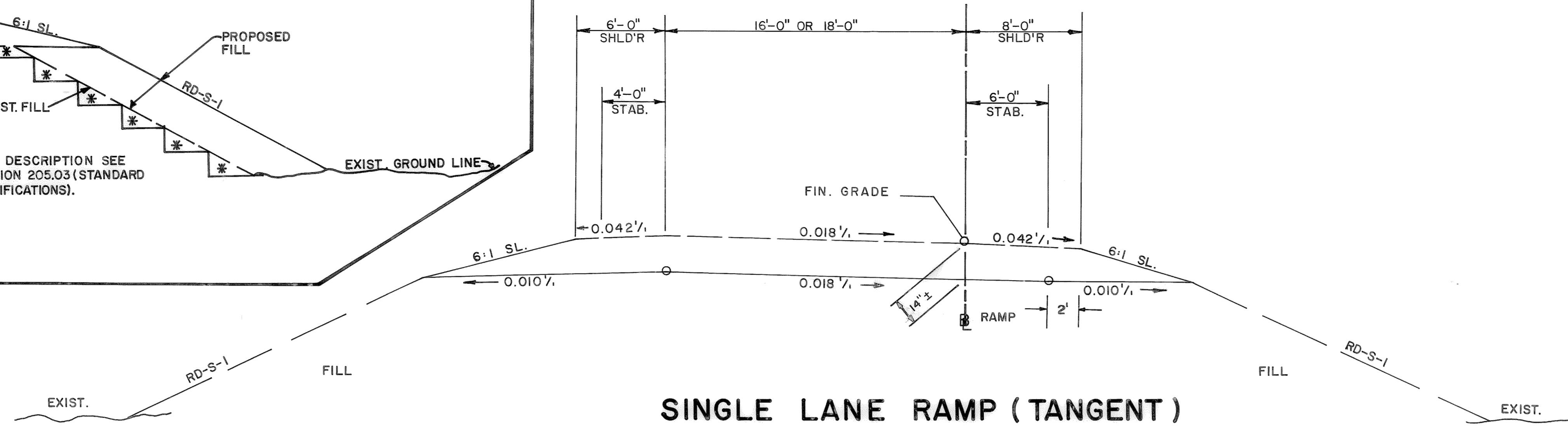
BRUNING 29411

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	1982	I-440-4(46)211	2D

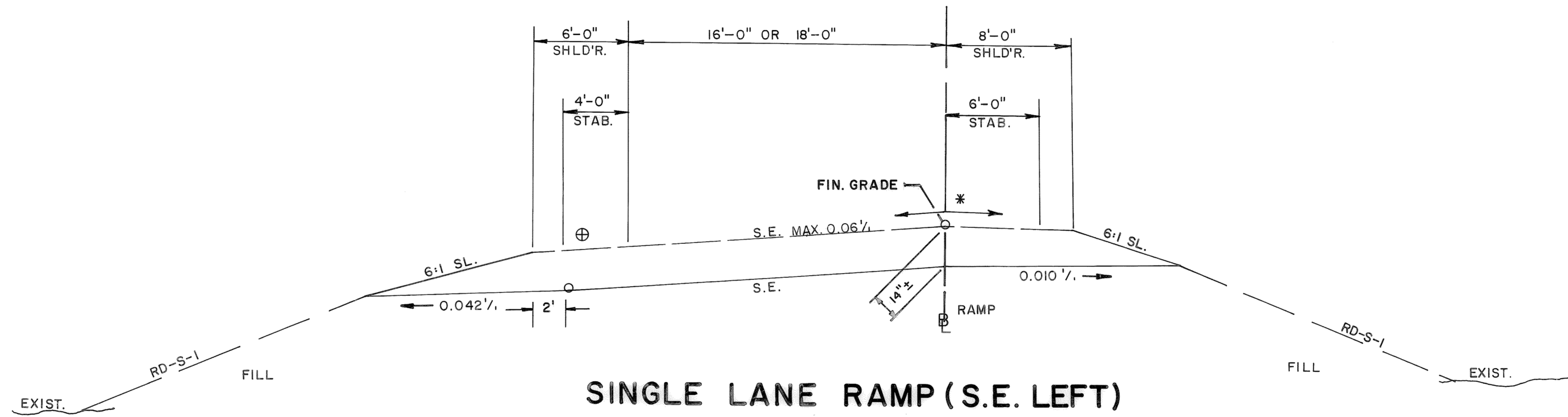


BENCH DETAIL

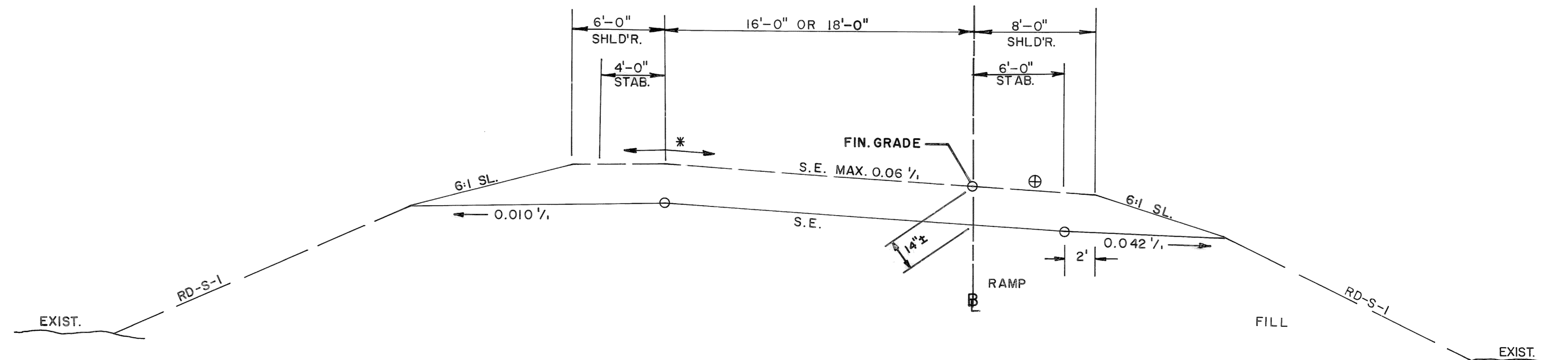
TO BE USED ON EXISTING RAMP SIDE SLOPES.



SINGLE LANE RAMP (TANGENT)



SINGLE LANE RAMP (S.E. LEFT)



SINGLE LANE RAMP (S.E. RIGHT)
 (LOOKING IN DIRECTION OF TRAFFIC FLOW)

* ALGEBRAIC DIFFERENCE IN CROSS-SLOPE ROLLOVER NOT TO EXCEED 0.07 1/2.

⊕ SHOULDER SLOPE SAME AS PAVEMENT SLOPE WHEN MORE THAN 0.042 1/2.

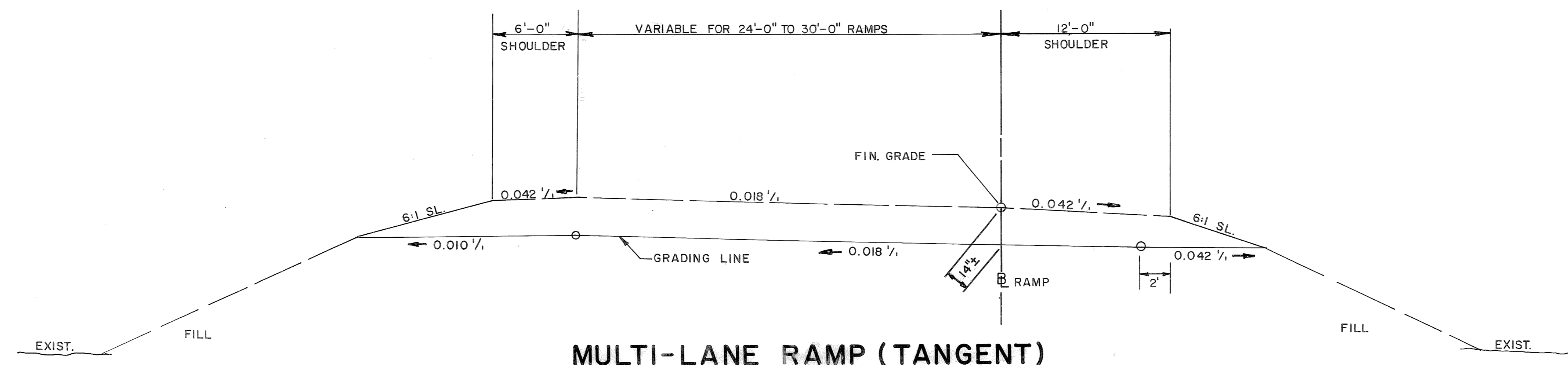
STATE OF TENNESSEE
 DEPARTMENT OF TRANSPORTATION

**TYPICAL SECTION
 I-440
 RAMPS**

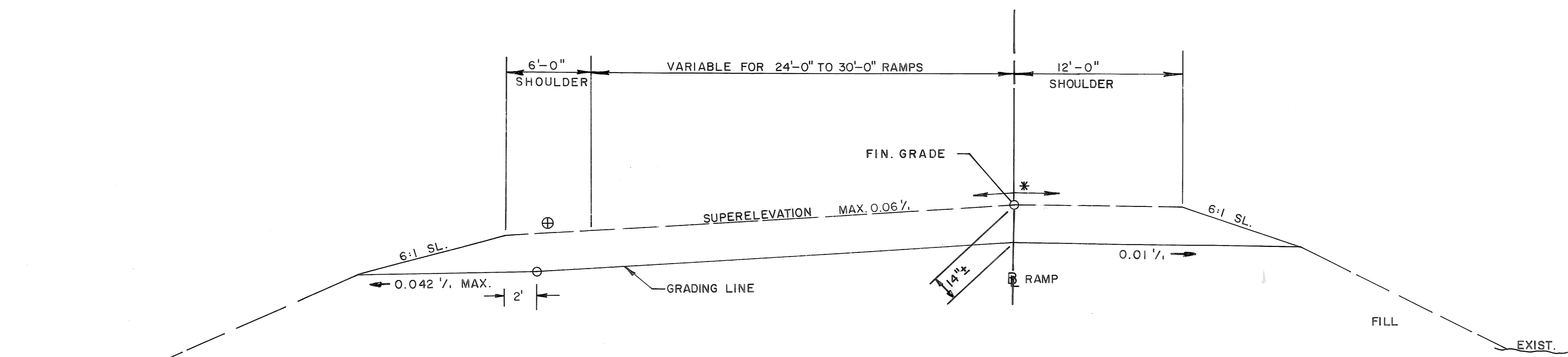
(NOT TO SCALE)

1N
168

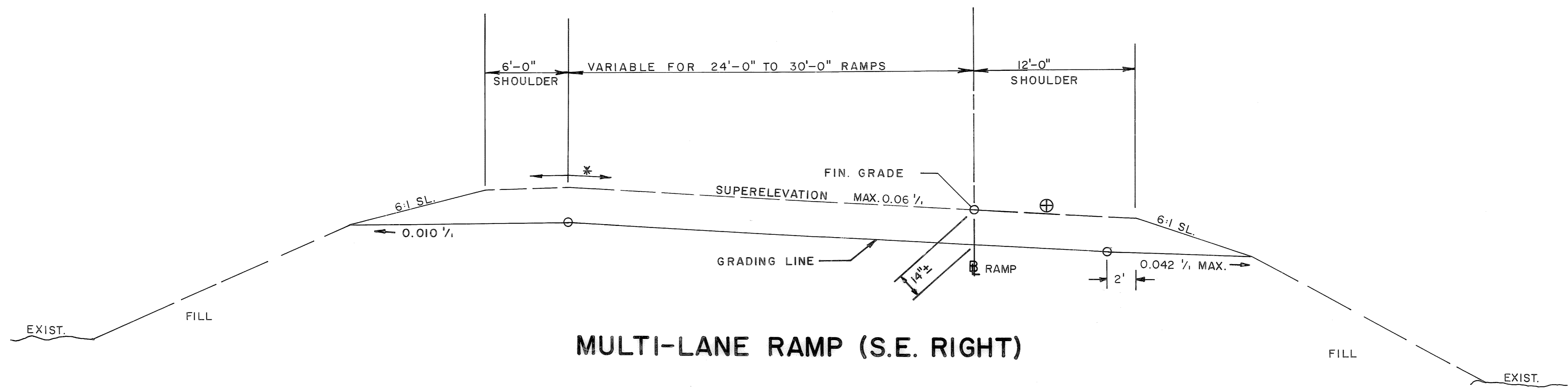
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	1982	I-440-4(46)2II	2E



MULTI-LANE RAMP (TANGENT)



MULTI-LANE RAMP (S.E. LEFT)



MULTI-LANE RAMP (S.E. RIGHT)

* ALGEBRAIC DIFFERENCE IN CROSS-SLOPE ROLLOVER NOT TO EXCEED 0.07%
 ⊕ SHOULDER SLOPE SAME AS PAVEMENT WHEN MORE THAN 0.042%

STATE OF TENNESSEE
 DEPARTMENT OF TRANSPORTATION

**TYPICAL SECTIONS
 I-440
 RAMPS**

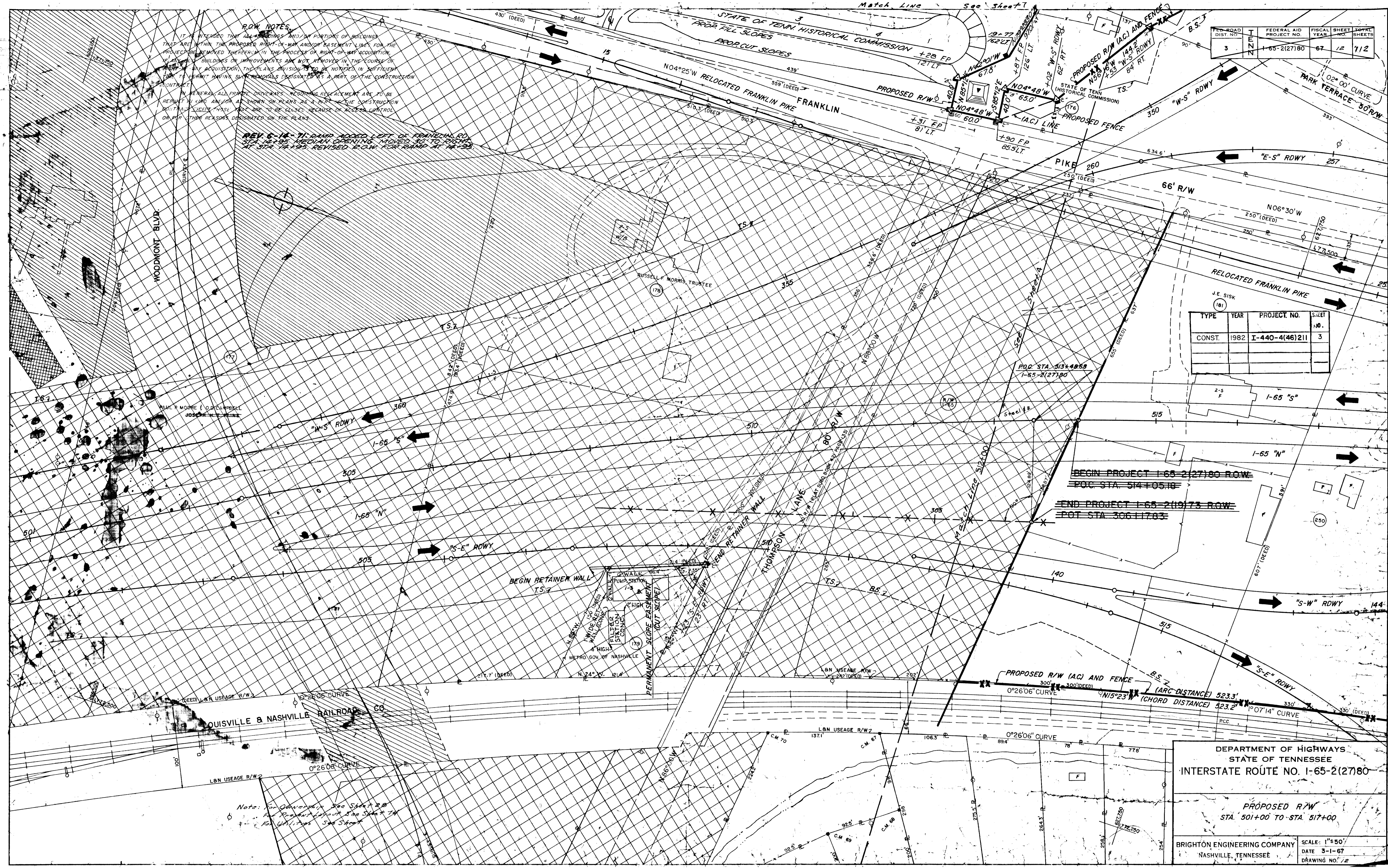
(NOT TO SCALE)

BRUNING 28411

R.O.W. NOTES
 IT IS EXTENDED 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 BUILDINGS OR IMPROVEMENTS ARE NOT REMOVED IN THE COURSE OF RIGHT-OF-WAY ACQUISITION, THE PLANS DIVISION IS TO BE NOTICED IN SUFFICIENT TIME TO PERMIT HAVING SUCH REMOVALS DESIGNATED AS A PART OF THE CONSTRUCTION CONTRACT.
 IN GENERAL, ALL PROPOSED DRIVEWAYS, RECORDING REPLACEMENT ARE TO BE RECORDED IN THE PUBLIC RECORDS AND SHOWN ON PLANS AS A PART OF THE CONSTRUCTION CONTRACT. ALL RECORDS MUST BE TO BE CLEARED BECAUSE OF ACCESS CONTROL OR FOR OTHER REASONS DESIGNATED ON THE PLANS.

REV 5-14-71 RAMP ADDED LEFT OF FRANKLIN RD. STA. 14+95. MEDIAN OPENING MOVED 30' TO RIGHT AT STA. 14+95. REVISED R.O.W. FOR RAMP AT 14+95.

FED. ROAD DIST. NO.	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
3	1-65-2(27)80	67	12	112



TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	1982	I-440-4(46)211	3

BEGIN PROJECT 1-65-2(27)80 R.O.W.
 P.O.C. STA. 514+05.18
END PROJECT 1-65-2(19)73 R.O.W.
 P.O.T. STA. 306+117.83

DEPARTMENT OF HIGHWAYS
 STATE OF TENNESSEE
 INTERSTATE ROUTE NO. 1-65-2(27)80

PROPOSED R/W
 STA. 501+00 TO STA. 517+00

BRIGHTON ENGINEERING COMPANY
 NASHVILLE, TENNESSEE

SCALE: 1"=50'
 DATE: 3-1-67
 DRAWING NO.: 2

Note: For Ownership See Sheet 2, 3, 4
 For Right-of-Way See Sheet 7, 8
 For Utility Lines See Sheet 9

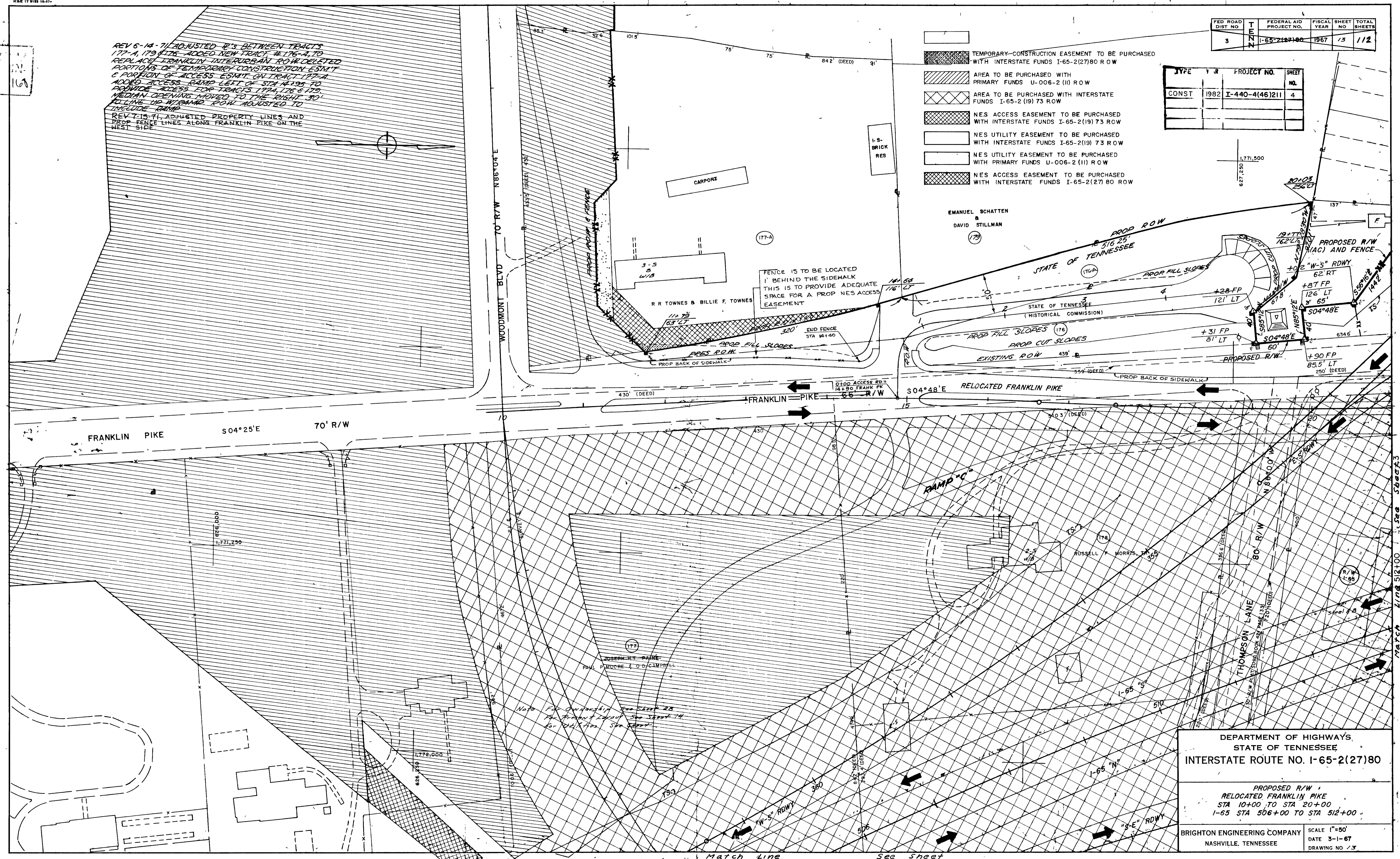
FED ROAD DIST NO	FEDERAL AID PROJECT NO	FISCAL YEAR	SHEET NO	TOTAL SHEETS
3	I-65-2(27)80	1967	13	112

TYPE	YR	PROJECT NO.	SHEET NO.
CONST	1982	I-440-4(46)211	4

REV 6-14-71 ADJUSTED R'S BETWEEN TRACTS 177-A, 179 & 176 ADDED NEW TRACT #176-A TO REPLACE FRANKLIN INTERURBAN ROW DELETED PORTIONS OF TEMPORARY CONSTRUCTION ESMIT C. PORTION OF ACCESS ESMIT ON TRACT 177-A ADDED ACCESS RAMP LEFT OF STA 14+00 TO PROVIDE ACCESS FOR TRACTS 177A, 176 & 179. MEDIAN OPENING MOVED TO THE RIGHT 30' TO LINE OF WILKINSON ROW ADJUSTED TO INCLUDE RAMP.

REV 7-15-71 ADJUSTED PROPERTY LINES AND PROP FENCE LINES ALONG FRANKLIN PIKE ON THE WEST SIDE.

- TEMPORARY CONSTRUCTION EASEMENT TO BE PURCHASED WITH INTERSTATE FUNDS I-65-2(27)80 R O W
- AREA TO BE PURCHASED WITH PRIMARY FUNDS U-006-2 (II) R O W
- AREA TO BE PURCHASED WITH INTERSTATE FUNDS I-65-2 (19) 73 R O W
- NES ACCESS EASEMENT TO BE PURCHASED WITH INTERSTATE FUNDS I-65-2(19) 73 R O W
- NES UTILITY EASEMENT TO BE PURCHASED WITH INTERSTATE FUNDS I-65-2(19) 73 R O W
- NES UTILITY EASEMENT TO BE PURCHASED WITH PRIMARY FUNDS U-006-2 (II) R O W
- NES ACCESS EASEMENT TO BE PURCHASED WITH INTERSTATE FUNDS I-65-2(27) 80 R O W



DEPARTMENT OF HIGHWAYS,
STATE OF TENNESSEE
INTERSTATE ROUTE NO. I-65-2(27)80

PROPOSED R/W
RELOCATED FRANKLIN PIKE
STA 10+00 TO STA 20+00
I-65 STA 506+00 TO STA 512+00

BRIGHTON ENGINEERING COMPANY
NASHVILLE, TENNESSEE

SCALE 1"=50'
DATE 3-1-67
DRAWING NO 13

Note: For Ownership See Sheet 28
For Right of Way See Sheet 14
For Utility Lines See Sheet

Match Line See Sheet 3

REV. 12-3-70: REVISED RIGHT-OF-WAY ALONG TENNESSEE CENTRAL RAILWAY.

REV. 9-28-70: CORRECTED LOCATION REV. 7-15-70 OF TRACT NO. 272-A AND ADDED PROPERTY LINES AS DIRECTED.

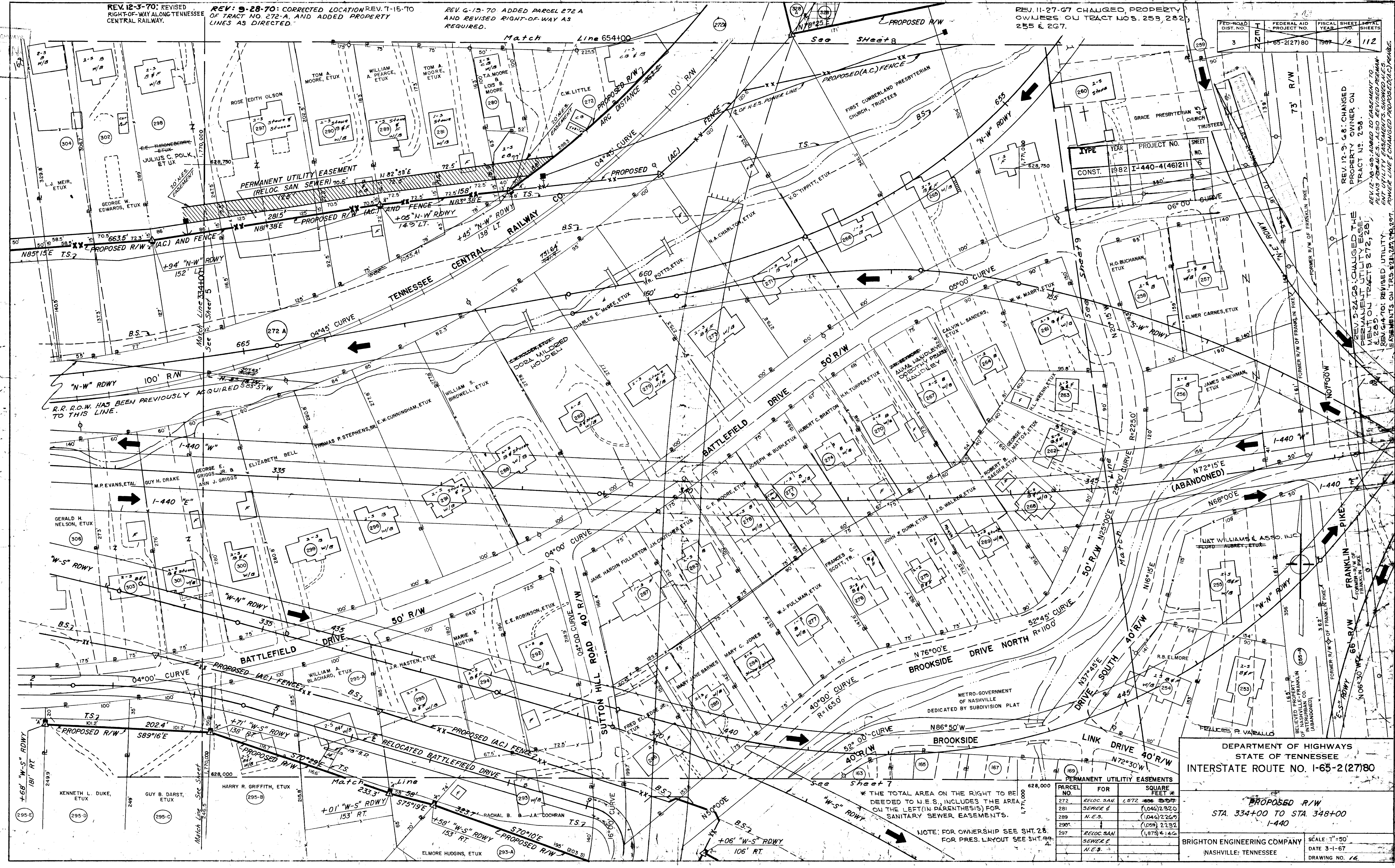
REV. 6-19-70 ADDED PARCEL 272 A AND REVISED RIGHT-OF-WAY AS REQUIRED.

REV. 11-27-67 CHANGED PROPERTY OWNERS ON TRACT NOS. 253, 282, 255 & 287.

FED. ROAD DIST. NO.	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
3	65-2(27)80	1967	6	112

REV. 1-27-71: ADDED FUTURE & PROPOSED BOX BR. TO PLANS, LABELED LINE 130' LT. STA. 332+30.5 TO 120' LT. STA. 335+40.4 AS PROPERTY LINE. TRACED PART OF EASEMENT AREA FOR TRACTS NO. 288 & 338 A ON THIS SHEET.

REV. 6-15-71: Added 14' Ramp & Staircase to Tract No. 299-A Sub. Street, Battlefield Drive



TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	1982	I-440-4(46)211	6

REV. 12-9-68: CHANGED PROPERTY OWNER ON TRACT NO. 298.
 REV. 5-24-68: CHANGED THE PERMANENT UTILITY EASEMENT ON TRACTS 272, 281, 289 & 290.
 REV. 6-14-70: REVISED UTILITY EASEMENTS ON TRACTS 272, 281, 289 & 290. POWER LINE CHANGED PROPOSED (A.C.) FENCE.

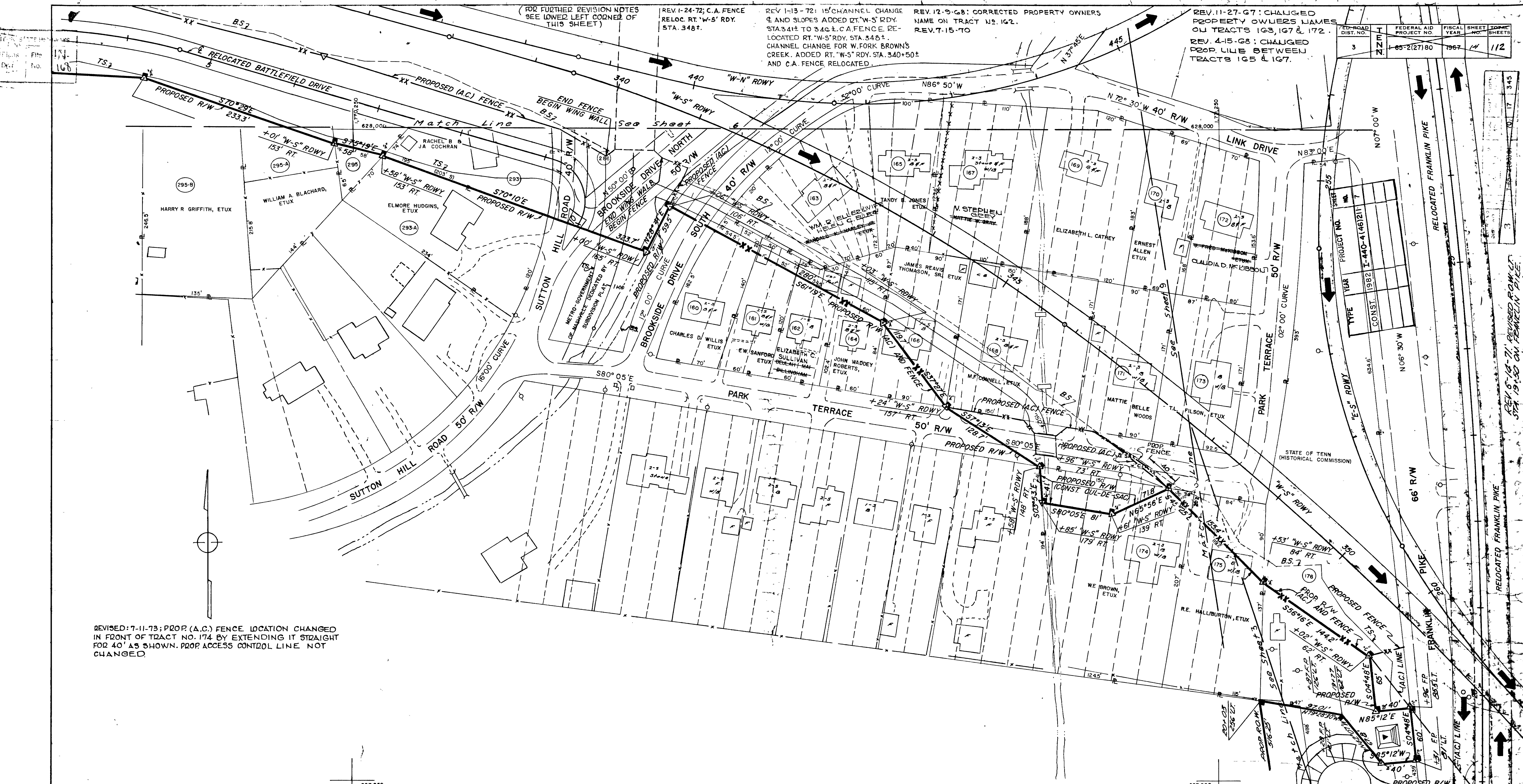
DEPARTMENT OF HIGHWAYS
 STATE OF TENNESSEE
 INTERSTATE ROUTE NO. 1-65-2(27)80

PROPOSED R/W
 STA. 334+00 TO STA. 348+00
 1-440

PARCEL NO.	FOR	SQUARE FEET
272	RELOC. SAN. SEWER	1,572
281	SEWER	(1,046) 2,320
289	N.E.S.	(1,046) 2,269
290	SEWER	(1,058) 2,132
297	RELOC. SAN. SEWER	(1,879) 4,146

NOTE: FOR OWNERSHIP SEE SHT. 28. FOR PRES. LAYOUT SEE SHT. 24.

BRIGHTON ENGINEERING COMPANY
 NASHVILLE, TENNESSEE
 SCALE: 1"=50'
 DATE 3-1-67
 DRAWING NO. 16



(FOR FURTHER REVISION NOTES SEE LOWER LEFT CORNER OF THIS SHEET)

REV. 1-24-72: C.A. FENCE RELOC. RT. "W-S" RDY. STA. 348±.

REV. 1-13-72: 15' CHANNEL CHANGE & AND SLOPES ADDED 21" W-S" RDY. STA. 341± TO 346±. C.A. FENCE RELOCATED RT. "W-S" RDY. STA. 348±. CHANNEL CHANGE FOR W. FORK BROWN'S CREEK. ADDED RT. "W-S" RDY. STA. 340± AND C.A. FENCE RELOCATED.

REV. 12-9-68: CORRECTED PROPERTY OWNERS NAME ON TRACT NO. 162. REV. 7-15-70

REV. 11-27-67: CHANGED PROPERTY OWNERS JAMES ON TRACTS 163, 167 & 172.

REV. 4-15-68: CHANGED PROP. LINE BETWEEN TRACTS 165 & 167.

FED. ROAD DIST. NO.	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
3	1-65-2(27)80	1967	112	

REVISED: 7-11-73; PROP. (A.C.) FENCE LOCATION CHANGED IN FRONT OF TRACT NO. 174 BY EXTENDING IT STRAIGHT FOR 40' AS SHOWN. PROP. ACCESS CONTROL LINE NOT CHANGED.

Note: For Ownership See Sheet 28. For Present Layout See Sheet 28.5

DEPARTMENT OF HIGHWAYS
STATE OF TENNESSEE
INTERSTATE ROUTE NO. 1-65-2 (27)80

PROPOSED R/W
STA. 339+00 "W-S" RDY TO
STA. 352+00 "W-S" RDY

BRIGHTON ENGINEERING COMPANY
NASHVILLE, TENNESSEE
SCALE: 1"=50'
DATE 3-1-67
DRAWING NO. 17

REV. 6-12-71: REVISED ROW/LT. STA. 19± TO 30± ON FRANKLIN PIKE.

PROJECT NO.	YEAR	TYPE
1-440-4(46)2117	1982	CONST.

TENN. STATE HIGHWAYS
Plans
Divn. No. 162

REVISED: 1-12-73; EASEMENT AREA. REVISED ON TR. NO. 336-AS.

REV. 9-28-70: ADDED EASEMENT AREA TO TRACTS 328 & 328-A. ALSO ADDED PROPERTY LINES ON TRACT NO. 272-A.

REV. 9-20-68: REVISED LOCATION OF RAMP OPENINGS ON TR. NOS. 328 & 329.

REV. 9-11-68
R/W LINE AT PARCELS 328 & 329

REV. 12-3-70: REVISED RIGHT-OF-WAY ALONG TENNESSEE CENTRAL RAILWAY.

REV. 12-18-69: SHOWED N.E.S. POWER LINE & CHANGED PROPOSED (A.C.) FENCE.

REV. 1-27-71: ADDED FUTURE BOX BR. TO PLANS. CHANGED EASEMENTS FOR CONSTRUCTION OF BROWN'S CREEK BOX BR. AND ADDED EASEMENT LEGEND.

REV. 6-19-70: ADDED PARCEL 272 A AND REVISED RIGHT-OF-WAY AS REQUIRED



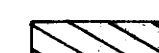
REV. 4-5-71: CHANGED PROPERTY OWNER NAME FOR TRACT NO. 328-A. DELETED PROPERTY LINE LABELS BETWEEN TRACTS NO. 328-A AND NO. 328 AND CORRECTED THE LOCATION OF THE LOT BOUNDARY LINE FOR TRACT NO. 328-A

REV. 10-18-71: BERRY ROAD ALIGNMENT CHANGED.

REV. 1-19-72: 40' RAMP ADDED LT. RELOC. FRANKLIN PK STA. 39+52. ADDED TR. NO. 336S FOR TEMPORARY CONSTRUCTION EASEMENT.

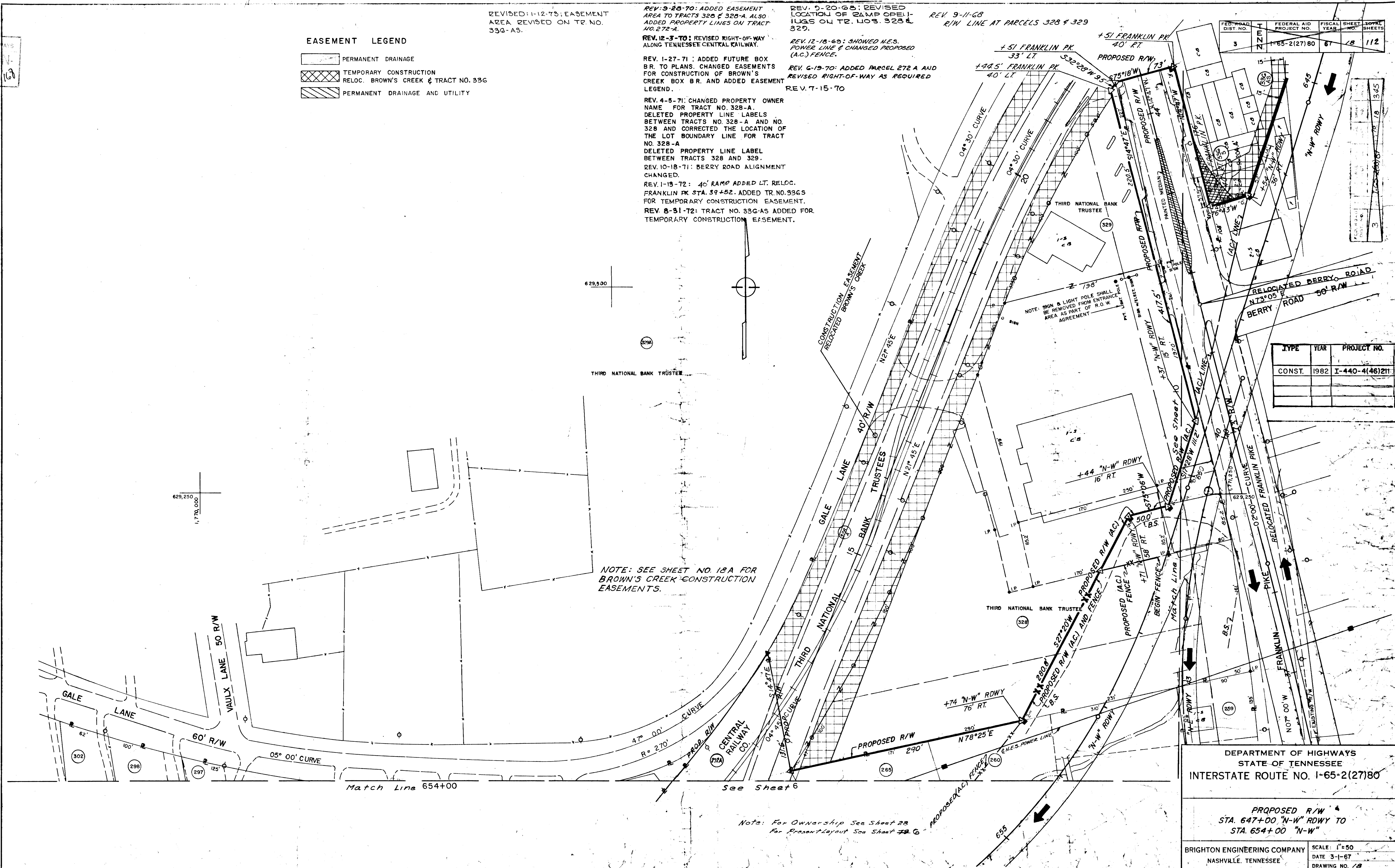
REV. 8-31-72: TRACT NO. 336S ADDED FOR TEMPORARY CONSTRUCTION EASEMENT.

EASEMENT LEGEND

-  PERMANENT DRAINAGE
-  TEMPORARY CONSTRUCTION RELOC. BROWN'S CREEK & TRACT NO. 336
-  PERMANENT DRAINAGE AND UTILITY

FED. ROAD DIST. NO.	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
3	I-65-2(27)80	67	18	112

TYPE	YEAR	PROJECT NO.
CONST.	1982	I-440-4(46)211



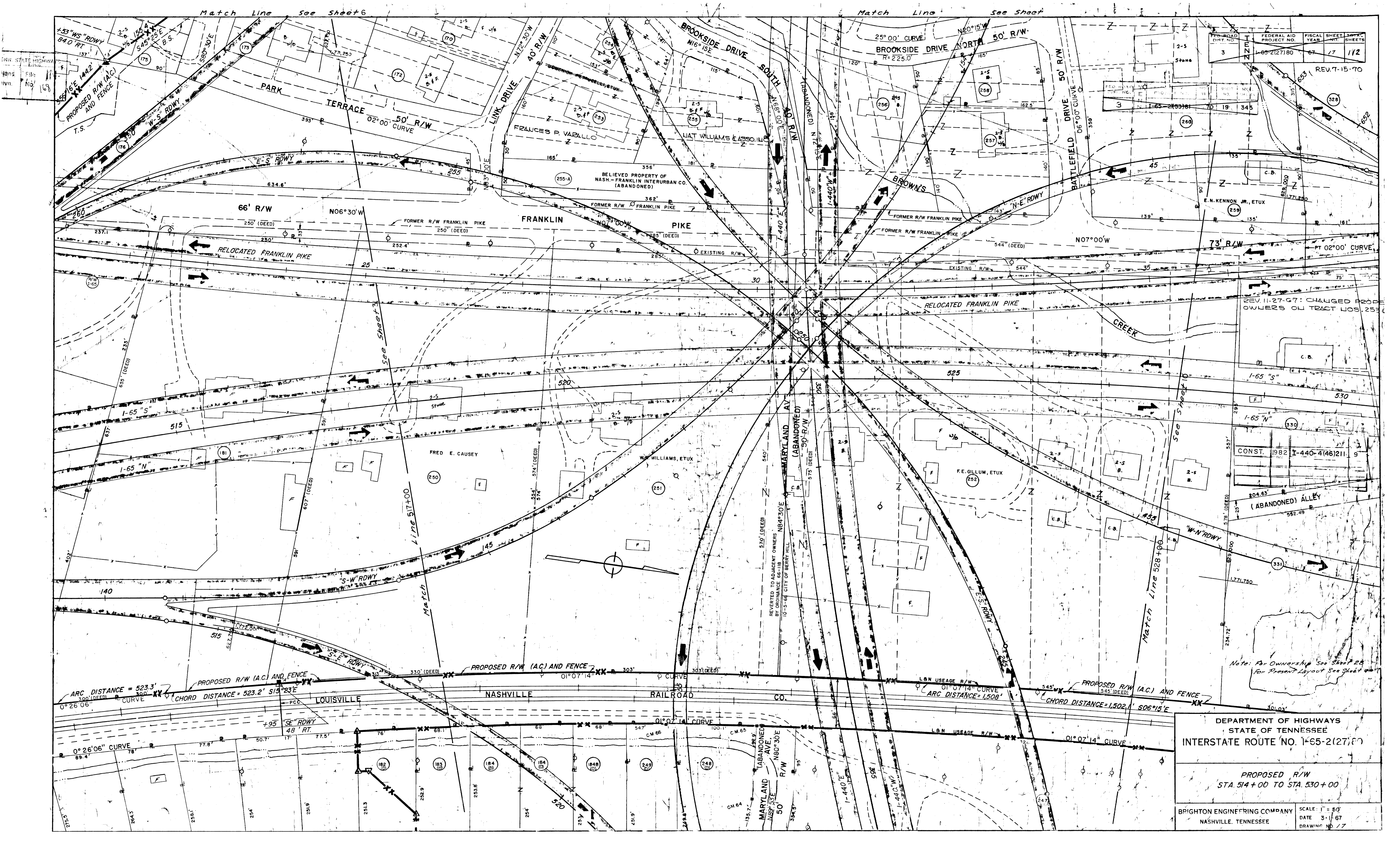
NOTE: SEE SHEET NO. 18A FOR BROWN'S CREEK CONSTRUCTION EASEMENTS.

Note: For Ownership See Sheet 28
For Present Layout See Sheet 39 G

DEPARTMENT OF HIGHWAYS
STATE OF TENNESSEE
INTERSTATE ROUTE NO. I-65-2(27)80

PROPOSED R/W
STA. 647+00 "N-W" RDWY TO
STA. 654+00 "N-W"

BRIGHTON ENGINEERING COMPANY
NASHVILLE, TENNESSEE
SCALE: 1"=50'
DATE: 3-1-67
DRAWING NO. 18



FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
3	67	17	112

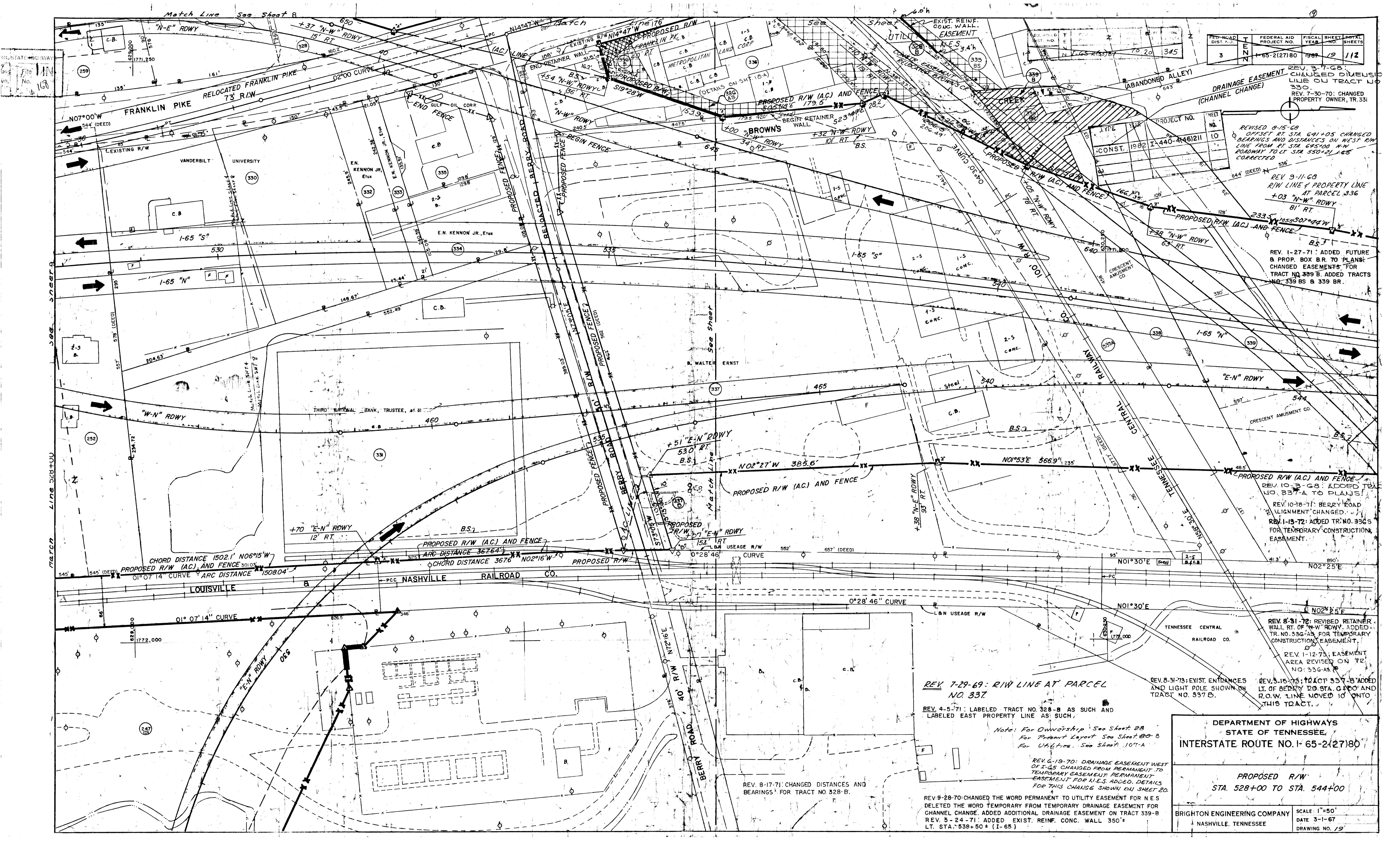
REV. 11-27-67: CHANGED PROPOSERS ON TRACT NOS. 255

Note: For Ownership See Sheet 28
For Present Layout See Sheet 29

DEPARTMENT OF HIGHWAYS
STATE OF TENNESSEE
INTERSTATE ROUTE NO. 1-65-2(27)F

PROPOSED R/W
STA. 514+00 TO STA. 530+00

BRIGHTON ENGINEERING COMPANY
NASHVILLE, TENNESSEE
SCALE: 1" = 50'
DATE: 3-1-67
DRAWING NO. 77



FED. ROAD DIST. NO.	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
3	65-2(27)80	1969	19	112

REV.	DATE	DESCRIPTION
REV. 3-7-68		CHANGED DIMENSIONS OF TRACT NO. 330.
REV. 7-30-70		CHANGED PROPERTY OWNER, TR. 331
REV. 8-15-68		OFFSET RT. STA. 641+05 CHANGED BEARINGS AND DISTANCES ON WEST R/W LINE FROM RT. STA. 685+00 TO RT. STA. 550+21.165 CORRECTED
REV. 9-11-68		R/W LINE & PROPERTY LINE AT PARCEL 336 +03 "N-W" RDWY 81' RT.
REV. 1-27-71		ADDED FUTURE & PROP. BOX B.R. TO PLANS; CHANGED EASEMENTS FOR TRACT NO. 339 B. ADDED TRACTS NO. 339 BS & 339 BR.
REV. 10-3-68		ADDED TR. NO. 337 A TO PLANS
REV. 10-18-71		BERRY ROAD ALIGNMENT CHANGED
REV. 1-13-72		ADDED TR. NO. 336 S FOR TEMPORARY CONSTRUCTION EASEMENT.
REV. 8-31-72		REVISED RETAINER WALL RT. OF "W-W" RDWY. ADDED TR. NO. 336-AS FOR TEMPORARY CONSTRUCTION EASEMENT.
REV. 1-12-73		EASEMENT AREA REVISED ON TR. NO. 336-AS
REV. 8-31-73		EXIST. ENTRANCES AND LIGHT POLE SHOWN ON TRACT NO. 337 B.
REV. 5-15-73		TRACT 337-B ADDED LT. OF BERRY RD. STA. 680+00 AND R.O.W. LINE MOVED 10' ONTO THIS TRACT.

DEPARTMENT OF HIGHWAYS
STATE OF TENNESSEE
INTERSTATE ROUTE NO. 1-65-2(27)80

PROPOSED R/W
STA. 528+00 TO STA. 544+00

BRIGHTON ENGINEERING COMPANY
NASHVILLE, TENNESSEE

SCALE: 1"=50'
DATE: 3-1-67
DRAWING NO. 19

- REV. 7-29-69: R/W LINE AT PARCEL NO. 337
- REV. 4-5-71: LABELED TRACT NO. 328-B AS SUCH AND LABELED EAST PROPERTY LINE AS SUCH.
- Note: For Ownership See Sheet 28
For Present Layout See Sheet 80-B
For Utilities See Sheet 107-A
- REV. 6-19-70: DRAINAGE EASEMENT WEST OF I-65 CHANGED FROM PERMANENT TO TEMPORARY EASEMENT; PERMANENT EASEMENT FOR N.E.S. ADDED. DETAILS FOR THIS CHANGE SHOWN ON SHEET 20.
- REV. 8-17-71: CHANGED DISTANCES AND BEARINGS FOR TRACT NO. 328-B.
- REV. 9-28-70: CHANGED THE WORD TEMPORARY TO UTILITY EASEMENT FOR N.E.S. DELETED THE WORD TEMPORARY FROM TEMPORARY DRAINAGE EASEMENT FOR CHANNEL CHANGE. ADDED ADDITIONAL DRAINAGE EASEMENT FOR TRACT 339-B
- REV. 5-24-71: ADDED EXIST. REINF. CONC. WALL 350'± LT. STA. 538+50 ± (1-65)

Match Line See Sheet 8

Match

See Sheet

Match Line See Sheet

CHORD DISTANCE 1502.1' NO6°15'W
PROPOSED R/W (AC) AND FENCE 301.0'
ARC DISTANCE 1508.04'

CHORD DISTANCE 367.64'
ARC DISTANCE 367.64'
CHORD DISTANCE 367.6' NO2°16'W

CHORD DISTANCE 367.6' NO2°16'W

0°28'46" CURVE

NO1°30'E

NO2°25'E

01°07'14" CURVE

01°07'14" CURVE

01°07'14" CURVE

01°07'14" CURVE

01°07'14" CURVE

01°07'14" CURVE

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02°28'46" CURVE

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	1982	I-440-4(4G)211	11

REV. 5-28-82: CURVE DATA REVISED ON 'W-S' AND 'S-E' ROADWAYS. EXISTING THOMPSON LANE BRIDGE ADDED TO PLANS.

'W-S' RDWY. CURVE DATA
 P.I. = STA. 360+78.51
 Δ = 1° 45' RT.
 L.T. = 133.34
 S.T. = 66.67
 L.S. = 200'
 P.I. N = 626,671.83
 E = 1,772,061.44

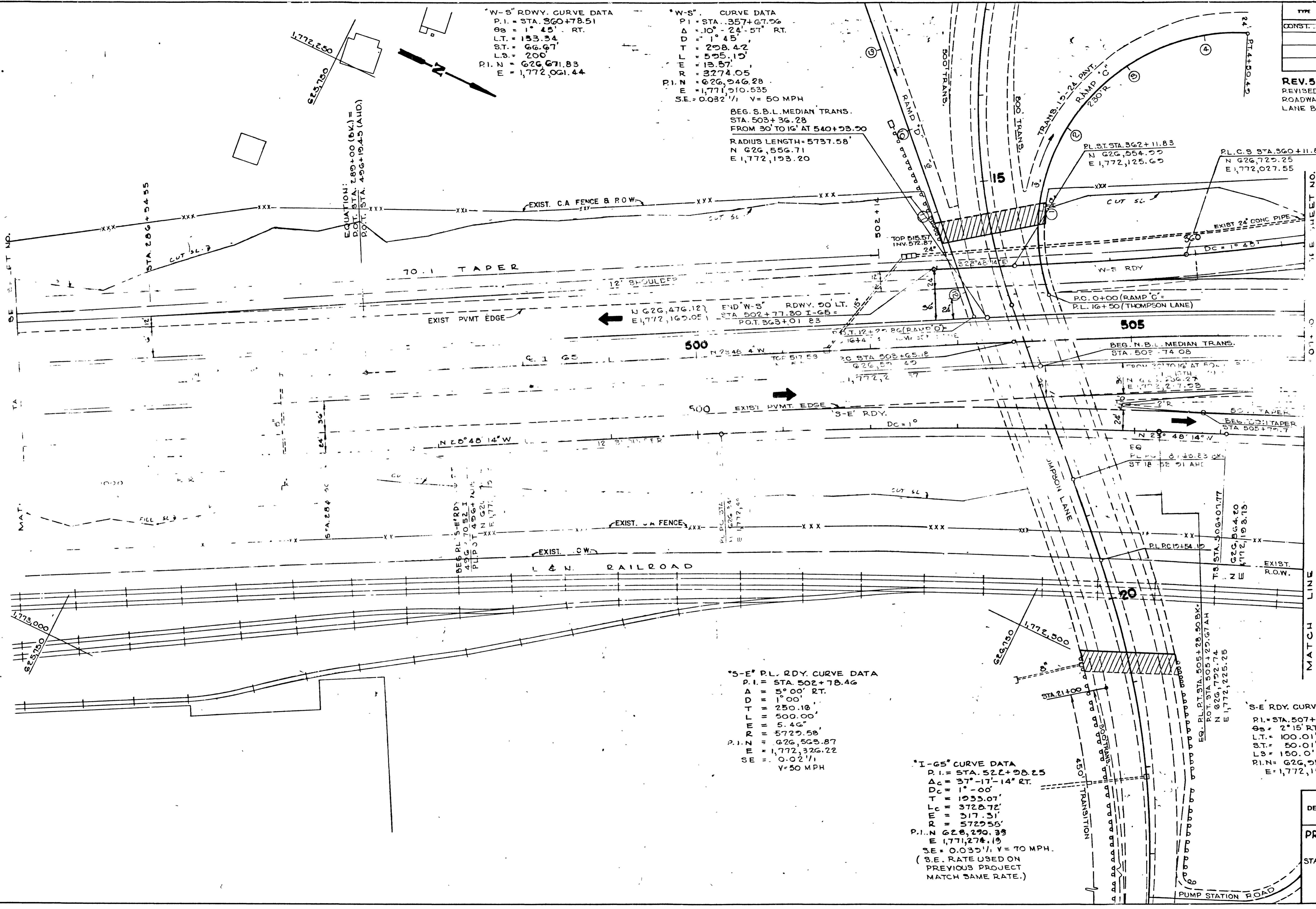
'W-S' CURVE DATA
 P.I. = STA. 357+67.96
 Δ = 10° 24' 57" RT.
 D = 1' 45"
 T = 298.42
 L = 595.19
 E = 13.57
 R = 3274.05
 P.I. N = 626,946.28
 E = 1,771,910.535
 S.E. = 0.032 1/1 V = 50 MPH

BEG. S.B.L. MEDIAN TRANS.
 STA. 503+36.28
 FROM 30' TO 16' AT 540+53.90
 RADIUS LENGTH = 5737.58'
 N 626,556.71
 E 1,772,193.20

'S-E' P.L. RDWY. CURVE DATA
 P.I. = STA. 502+78.46
 Δ = 5° 00' RT.
 D = 1° 00"
 T = 250.10
 L = 500.00
 E = 5.46
 R = 5729.58
 P.I. N = 626,565.87
 E = 1,772,326.22
 S.E. = 0.02 1/1 V = 50 MPH

'I-65' CURVE DATA
 P.I. = STA. 522+98.25
 Δ = 37° 17' 14" RT.
 D = 1° 00"
 T = 1933.07
 L = 3728.72
 E = 317.31
 R = 5729.58
 P.I. N = 626,290.33
 E = 1,771,274.19
 S.E. = 0.035 1/1 V = 70 MPH.
 (S.E. RATE USED ON PREVIOUS PROJECT MATCH SAME RATE.)

'S-E' RDWY. CURVE DATA
 P.I. = STA. 507+07.08
 Δ = 2° 15' RT.
 L.T. = 100.01
 S.T. = 50.01
 L.S. = 150.0'
 P.I. N = 626,955.70
 E = 1,772,163.57



STATE OF TENNESSEE
 DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT
 I-65
 STA. 285+00 TO STA 507+00

SCALE: 1" = 50'

TENN. STATE HIGHWAYS
 Plans File No. 1-440-4(46)211
 Dmt. No. 12

W-S RDY. CURVE DATA
 P.I. STA. 350+03.01
 Δc = 12° 27' 30" RT.
 Δc = 1° 30'
 T = 416.92'
 R = 3819.72'
 Lc = 830.56'
 E = 22.69'
 CCN = 624,707.11
 E = 1,768,796.09
 PIN = 627,526.85
 E = 1,771,406.83

W-S RDY. CURVE DATA
 P.I. STA. 357+15.06
 Δc = 10° 24' 57" RT.
 Δc = 1° 45'
 T = 298.42'
 R = 595.19'
 Lc = 595.19'
 E = 13.57'
 R = 3274.05'
 CCN = 625,064.89
 E = 1,769,208.10
 PIN = 626,986.23
 E = 1,771,875.85

FRANKLIN PIKE CURVE DATA
 P.I. STA. 28+06.53
 Δc = 15° 31' 16" LT.
 Δc = 0° 40'
 T = 1171.26'
 R = 79.44'
 L = 2328.17'
 R = 8594.37'
 PIN = 628,158.129
 E = 1,771,565.602

END "E-S" RDY. 24' LT.
 STA. 353+40.12 W-S RDY.
 S.T. STA. 262+38.57
 N. 627,284.92
 E. 1,771,647.24
 P.L. P.C.C. STA. 354+16.64
 N. 627,211.55
 E. 1,771,689.13

"E-S" RDY. CURVE DATA
 P.I. STA. 260+38.95
 Δc = 12° 00' LT.
 L.T. = 200.42'
 S.T. = 100.42'
 Ls = 300.00'
 P.I. N = 627,433.64
 E = 1,771,512.76

I-G5 CURVE DATA
 P.I. STA. 522+98.25
 Δc = 37° 17' 14" RT.
 Δc = 1° 00'
 T = 1,933.07'
 R = 3,728.72'
 Lc = 3,728.72'
 E = 317.31'
 CCN = 629,357.08
 E = 1,771,226.25
 PIN = 628,290.39
 E = 1,771,274.19

BEGIN "S-W" RDY. 12' LT.
 P.O.T. STA. 511+79.70 "S-E" RDY.
 P.O.T. STA. 138+26.74
 N. 627,406.6
 E. 1,772,012.5

"S-W" RDY. CURVE DATA
 P.I. STA. 142+79.16
 Δc = 12° 00' LT.
 L.T. = 200.42'
 S.T. = 100.42'
 Ls = 300'
 P.I. N = 627,853.63
 E = 1,771,942.60

"S-E" RDY. CURVE DATA
 P.I. STA. 510+99.11
 Δc = 20° 16' 00" RT.
 Δc = 3° 00'
 T = 341.34'
 R = 30.26'
 Lc = 675.56'
 R = 1909.86'
 CCN = 627,703.85
 E = 1,773,911.31
 S.E. = 0.0444
 V = 50 M.A.H.
 PIN = 627,319.69
 E = 1,772,009.60

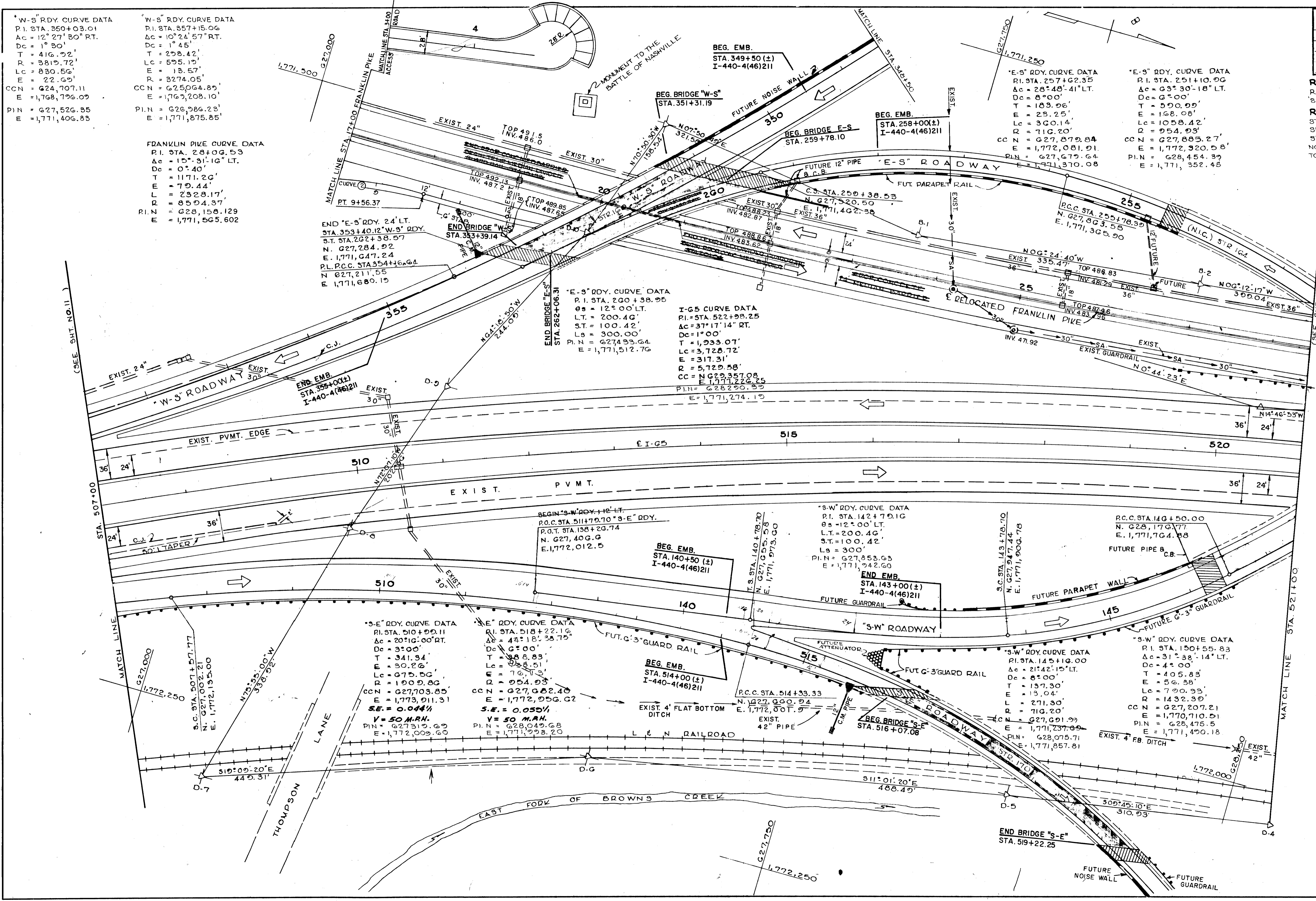
"S-E" RDY. CURVE DATA
 P.I. STA. 518+22.16
 Δc = 44° 18' 38.75"
 Δc = 6° 00'
 T = 388.83'
 R = 958.51'
 Lc = 76.13'
 R = 954.93'
 CCN = 627,682.40
 E = 1,772,956.62
 S.E. = 0.0504
 V = 50 M.A.H.
 PIN = 628,049.68
 E = 1,771,993.20

"S-W" RDY. CURVE DATA
 P.I. STA. 145+16.00
 Δc = 21° 42' 15" LT.
 Δc = 6° 00'
 T = 137.30'
 R = 13.04'
 L = 271.30'
 R = 716.20'
 CCN = 627,691.99
 E = 1,771,237.69
 PIN = 628,075.71
 E = 1,771,857.81

"S-W" RDY. CURVE DATA
 P.I. STA. 150+55.83
 Δc = 31° 38' 14" LT.
 Δc = 4° 00'
 T = 405.83'
 R = 56.38'
 Lc = 790.93'
 R = 1432.39'
 CCN = 627,207.21
 E = 1,770,710.91
 PIN = 628,475.5
 E = 1,771,490.18

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	1982	I-440-4(46)211	12

REV. 5-28-82: CURVE DATA REVISED ON W-S, E-S, S-E & S-W ROADWAY.
 REV. 3-25-83: EXIST. DRAINAGE STRUCTURE & GUARDRAIL ADDED TO SHEET. FUTURE DRAINAGE STRUCTURES, PARAPET RAILS, NOISE WALLS & GUARDRAIL ADDED TO SHEET.



STATE OF TENNESSEE
 DEPARTMENT OF TRANSPORTATION
PROPOSED LAYOUT
 STA. 507+00 TO STA. 521+00
 SCALE: 1" = 50'

1/18
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(SURVEY)
N-E RDY. CURVE DATA
P.I. STA. 55+01.42
Δc = 124° 41' 34" LT.
Dc = 8° 00'
T = 1366.85'
Lc = 1558.66'
E = 383.70'
R = 716.20'
CCN = 629,031.02
E = 1,771,913.07

PL. N-E RDY. CURVE DATA
P.I. STA. 52+73.81
Δc = 9° 22' 30" LT.
L.T. = 166.00'
S.T. = 83.55'
Ls = 250.00
PIN = 629,247.38
E = 1,771,208.08

PL. N-E RDY. CURVE DATA
P.I. STA. 52+59.93
Δc = 74° 36' 43.2"
Dc = 8°
T = 545.61'
Lc = 932.52'
E = 184.15'
R = 716.20'
CCN = 629,031.02
E = 1,771,913.07
P.I. N = 628,179.49
E = 1,771,620.64

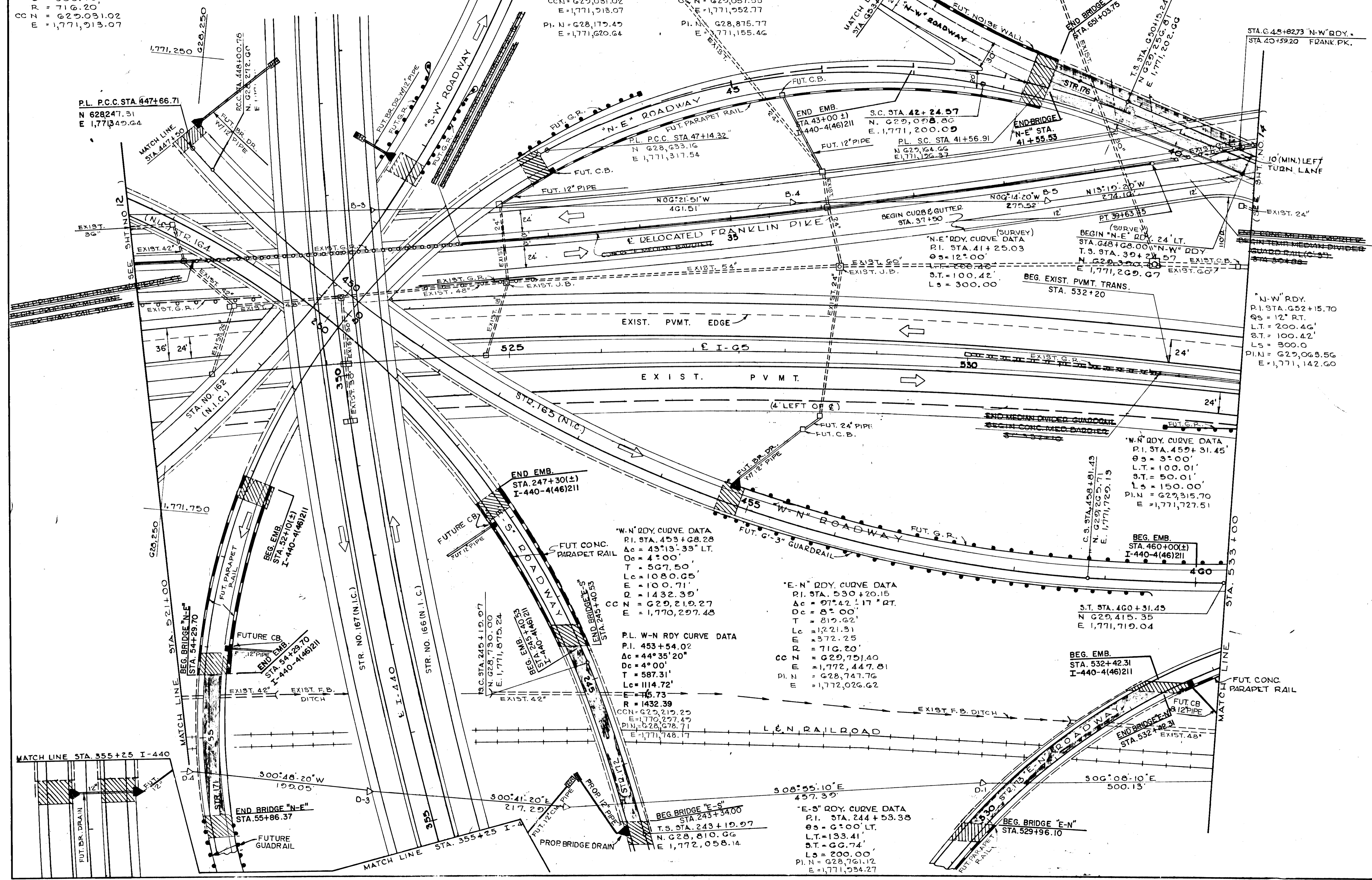
PL. N-E RDY. CURVE DATA
P.I. STA. 44+48.68
Δc = 41° 48' 21.61" LT.
Dc = 7° 30'
T = 291.77'
Lc = 557.41'
E = 53.82'
R = 763.94'
CCN = 629,057.55
E = 1,771,952.77
P.I. N = 628,875.77
E = 1,771,155.46

NOTE: TRANSITION TO FULL 6-LANE ROADWAY BEGINS AT STA. 40+00 ON FRANKLIN ROAD.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	1982	I-440-4(46)211	13

REV. 5-28-82: CURVE DATA REVISED ON E-S, W-N, E-N, AND N-E ROADWAYS.

REV. 3-25-83: EXIST. DRAINAGE STRUCTURE & GUARDRAIL ADDED TO SHEET. FUTURE DRAINAGE STRUCTURES, PARAPET RAILS, NOISE WALLS & GUARDRAIL ADDED TO SHEET.



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

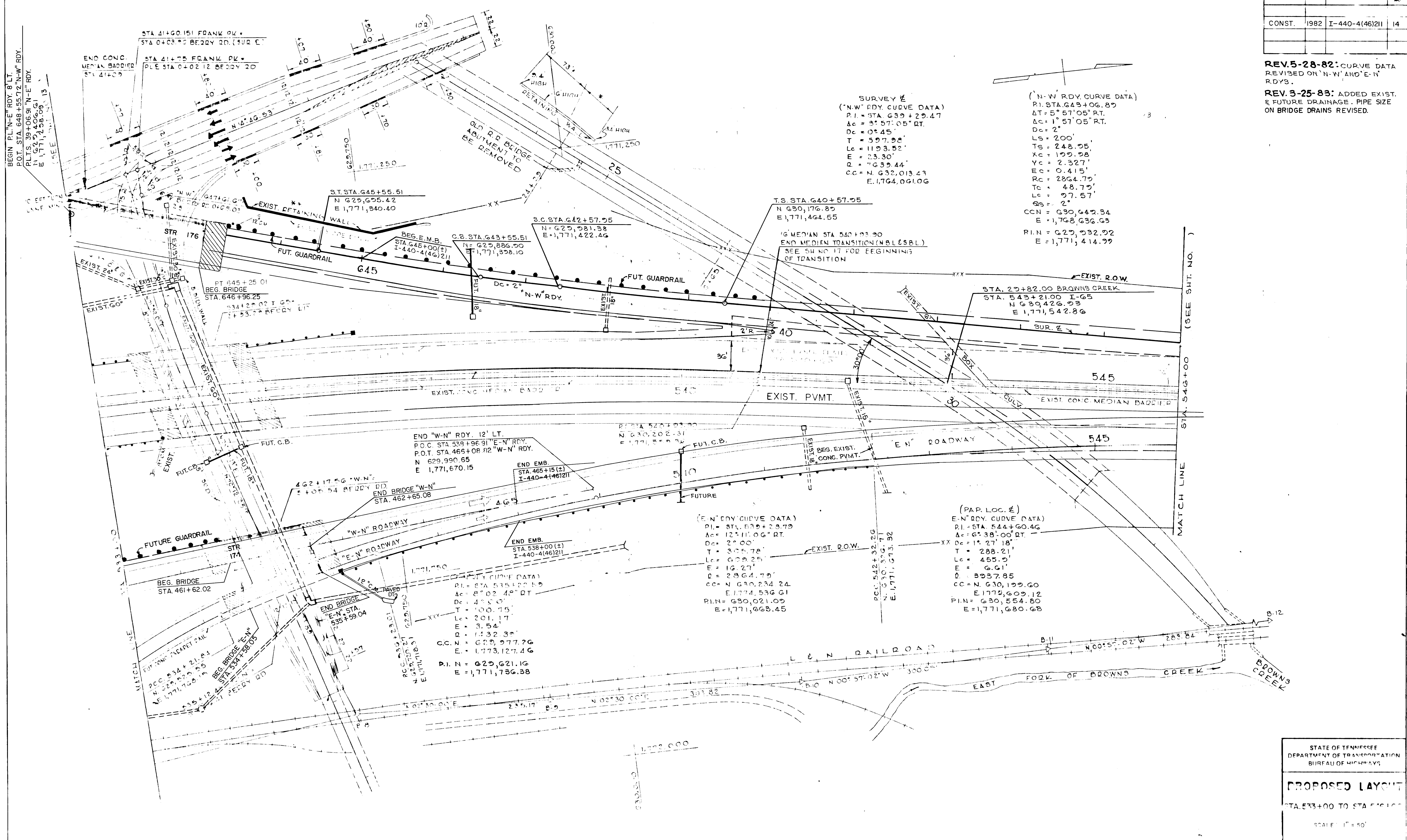
PROPOSED LAYOUT

STA. 521+00 TO STA. 533+00

SCALE: 1" = 50'

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	1982	I-440-4(46)21	14

REV. 5-28-82: CURVE DATA REVISED ON 'N-W' AND 'E-N' RDYS.
 REV. 3-25-83: ADDED EXIST. & FUTURE DRAINAGE. PIPE SIZE ON BRIDGE DRAINS REVISED.



SURVEY ϵ
 ('N-W' RDY. CURVE DATA)
 P.I. = STA. 639+29.47
 $\Delta C = 3^{\circ} 57' 05''$ RT.
 $D_c = 0^{\circ} 45'$
 $T = 597.98'$
 $L_c = 1193.52'$
 $E = 23.30'$
 $R = 7639.44'$
 $CC = N. 632,013.43$
 $E. 1,764,061.06$

('N-W' RDY. CURVE DATA)
 P.I. STA. 643+06.89
 $\Delta T = 5^{\circ} 57' 05''$ RT.
 $\Delta C = 1^{\circ} 57' 05''$ RT.
 $D_c = 2^{\circ}$
 $L_s = 200'$
 $T_s = 248.95'$
 $X_c = 199.98'$
 $Y_c = 2.327'$
 $E_c = 0.415'$
 $R_c = 2864.79'$
 $T_c = 48.79'$
 $L_c = 27.57'$
 $Q_s = 2'$
 $CCN = 630,649.34$
 $E = 1,768,636.63$
 $P.I.N = 629,932.92$
 $E = 1,771,414.99$

T.S. STA. 640+57.95
 $N 630,176.89$
 $E 1,771,464.55$
 'G' MEDIAN STA. 540+93.90
 END MEDIAN TRANSITION (N.B.L. E.S.B.L.)
 SEE SH. NO. 17 FOR BEGINNING OF TRANSITION

STA. 29+82.00 BROWNS CREEK
 STA. 543+21.00 I-G5
 $N 630,426.93$
 $E 1,771,542.86$

END 'W-N' RDY. 12' LT.
 P.O.C. STA. 538+96.91 'E-N' RDY.
 P.O.T. STA. 465+08.92 'W-N' RDY.
 $N 629,990.65$
 $E 1,771,670.15$

END EMB.
 STA. 465+15(±)
 I-440-4(46)21

('E-N' RDY. CURVE DATA)
 P.I. = STA. 539+23.79
 $\Delta C = 12^{\circ} 11' 06''$ RT.
 $D_c = 2^{\circ} 00'$
 $T = 305.78'$
 $L_c = 609.25'$
 $E = 16.27'$
 $R = 2864.79'$
 $CC = N. 630,234.24$
 $E. 1,774,536.61$
 $P.I.N = 630,021.09$
 $E = 1,771,668.45$

(PAP. LOC. ϵ)
 'E-N' RDY. CURVE DATA
 P.I. = STA. 544+60.46
 $\Delta C = 6^{\circ} 38' 00''$ RT.
 $D_c = 1^{\circ} 27' 18''$
 $T = 288.21'$
 $L_c = 455.9'$
 $E = 6.61'$
 $R = 3937.85'$
 $CC = N. 630,199.60$
 $E. 1,772,609.12$
 $P.I.N = 630,554.80$
 $E = 1,771,680.68$

('E-N' RDY. CURVE DATA)
 P.I. = STA. 535+20.59
 $\Delta C = 8^{\circ} 02' 49''$ RT.
 $D_c = 4^{\circ} 50'$
 $T = 100.75'$
 $L_c = 201.17'$
 $E = 3.54'$
 $R = 1432.39'$
 $CC = N. 629,977.76$
 $E. 1,773,127.46$
 $P.I.N = 629,621.16$
 $E = 1,771,736.38$

STATE OF TENNESSEE
 DEPARTMENT OF TRANSPORTATION
 BUREAU OF HIGHWAYS
PROPOSED LAYOUT
 STA. 533+00 TO STA. 546+00
 SCALE: 1" = 50'

TECHNICAL DRAWING
 108

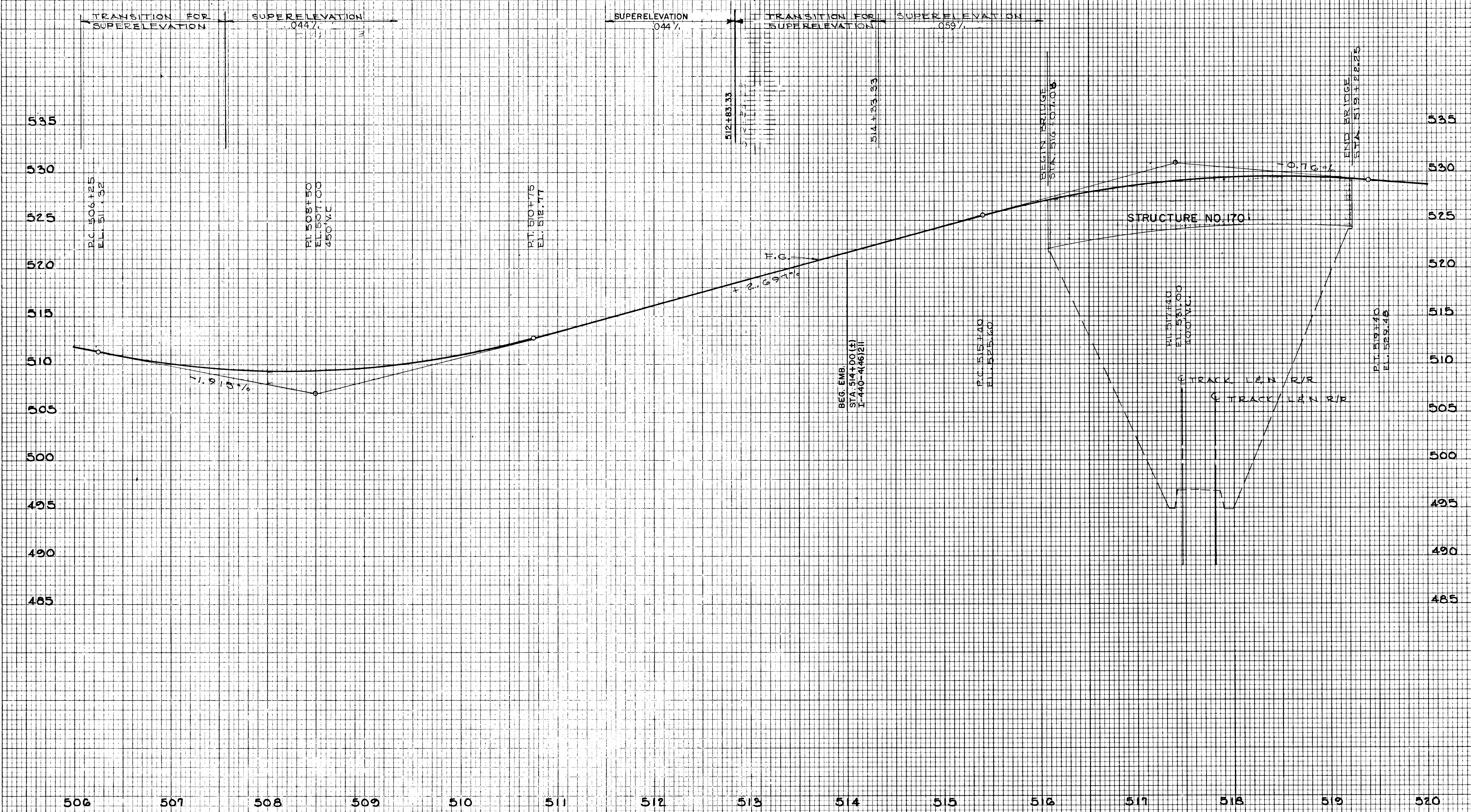
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	1982	I-440-4(46)211	15

DATE	BY

FINAL SURVEY PLOTTED	DATE	BY

DATE	BY

ORIGINAL SURVEY PLOTTED	DATE	BY



STATE OF TENNESSEE
 DEPARTMENT OF TRANSPORTATION

RAMP PROFILE
 "S-E" ROADWAY
 STA. 506+00 TO 520+00

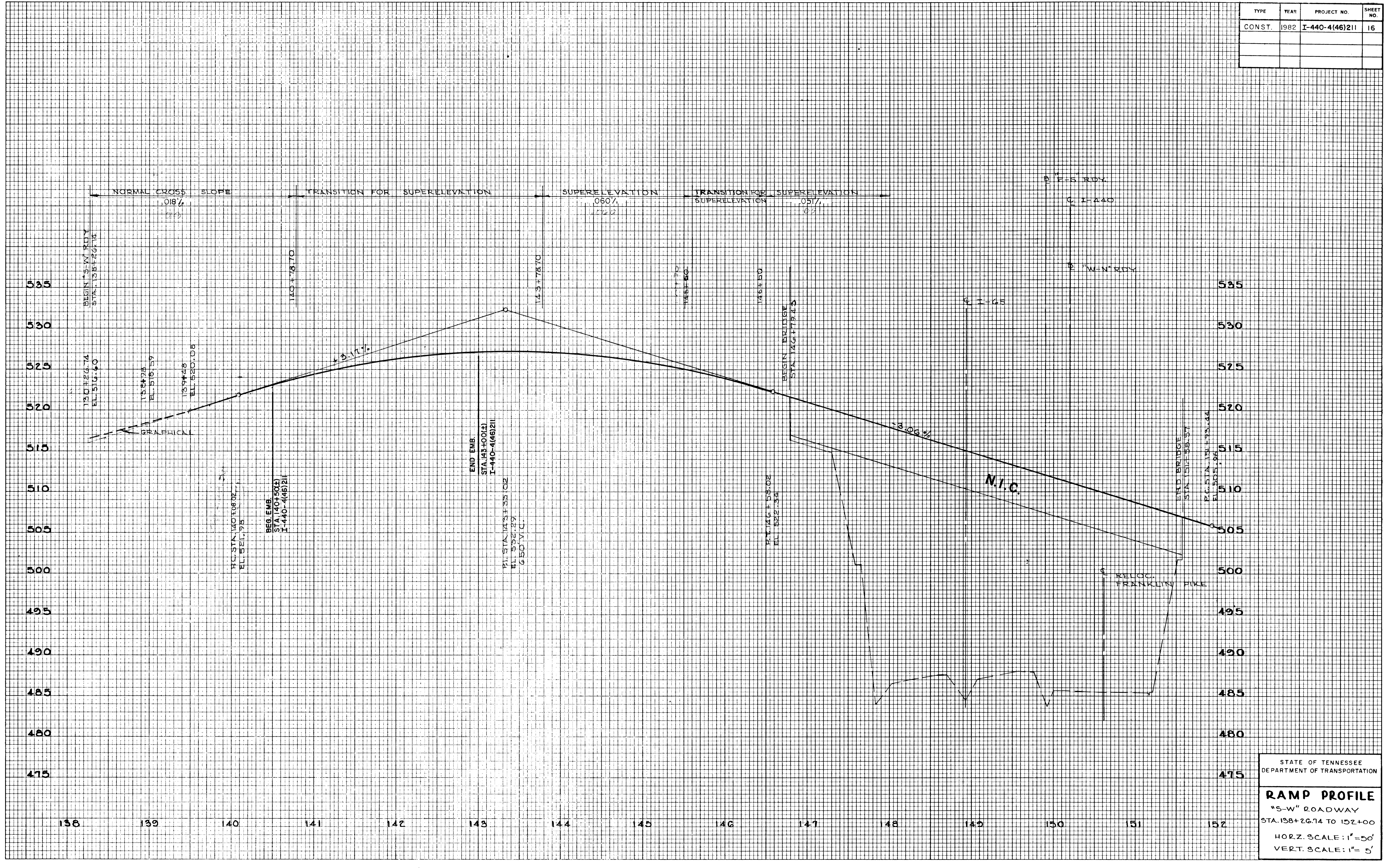
HORIZ. SCALE: 1" = 50'
 VERT. SCALE: 1" = 5'

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	1982	I-440-4(46)211	16

TENN. STATE HIGHWAYS
 Plans File 170
 Div. No. 608

BY _____ DATE _____
 REVISIONS
 NO. _____ DATE _____
 FINAL SURVEY PLOTTED _____
 TEMPLATE AREAS CHECKED _____
 NOTE BOOK NO. _____

BY _____ DATE _____
 ORIGINAL SURVEY PLOTTED _____
 TEMPLATE AREAS CHECKED _____
 NOTE BOOK NO. _____

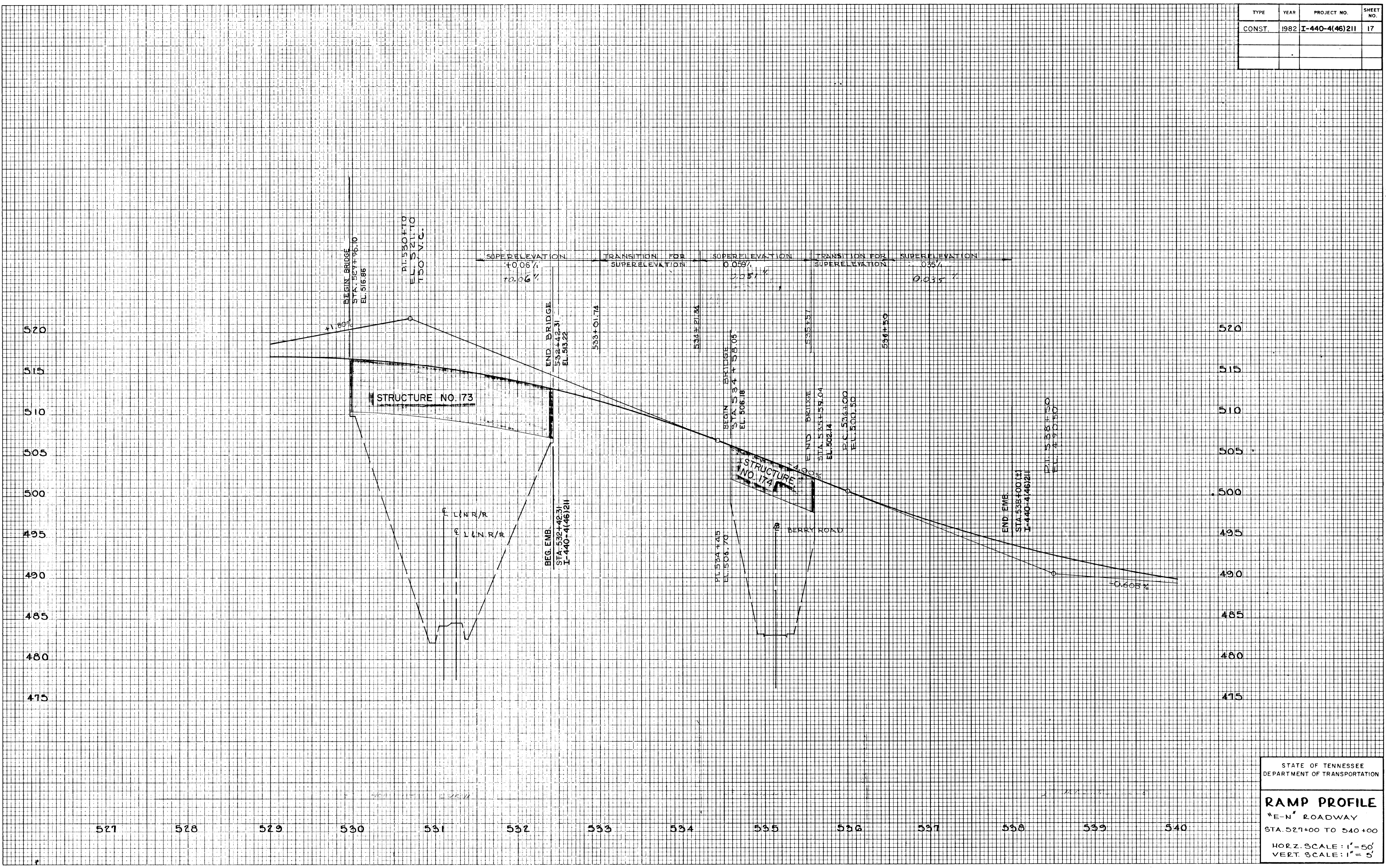


STATE OF TENNESSEE
 DEPARTMENT OF TRANSPORTATION

RAMP PROFILE
 "S-W" ROADWAY
 STA. 138+26.74 TO 152+00
 HORIZ. SCALE: 1"=50'
 VERT. SCALE: 1"=5'

FINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
NOTE BOOK		
NO.		

ORIGINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
NOTE BOOK		
NO.		



STATE OF TENNESSEE
 DEPARTMENT OF TRANSPORTATION

RAMP PROFILE
 "E-N" ROADWAY
 STA. 527+00 TO 540+00
 HORZ. SCALE: 1" = 50'
 VERT. SCALE: 1" = 5'

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	1982	I-440-4(46)211	18

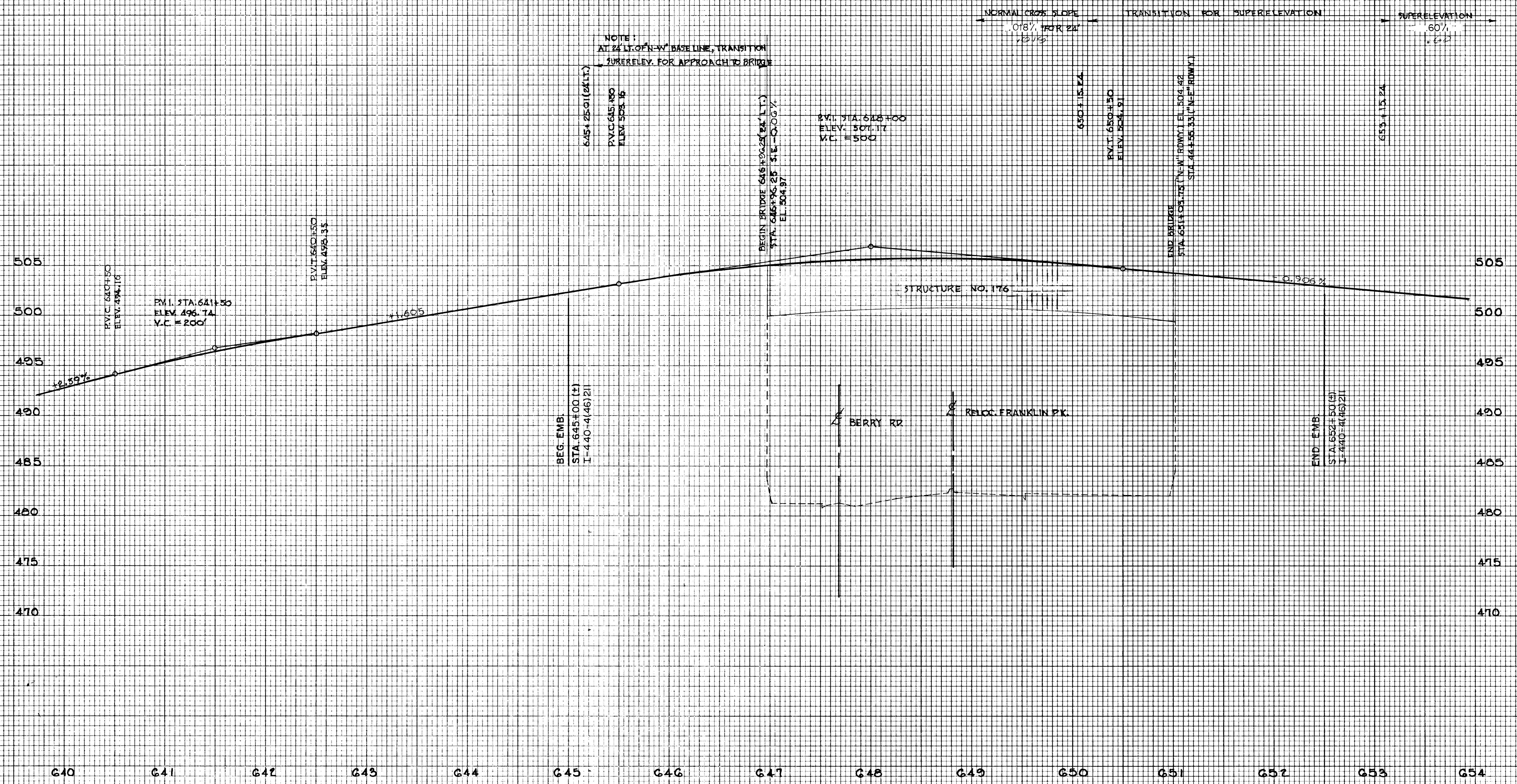
FILE NO. 1A
168

DATE	BY

FINAL SURVEY PLOTTED TEMPLATE AREAS CHECKED

DATE	BY

ORIGINAL SURVEY PLOTTED TEMPLATE AREAS CHECKED



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

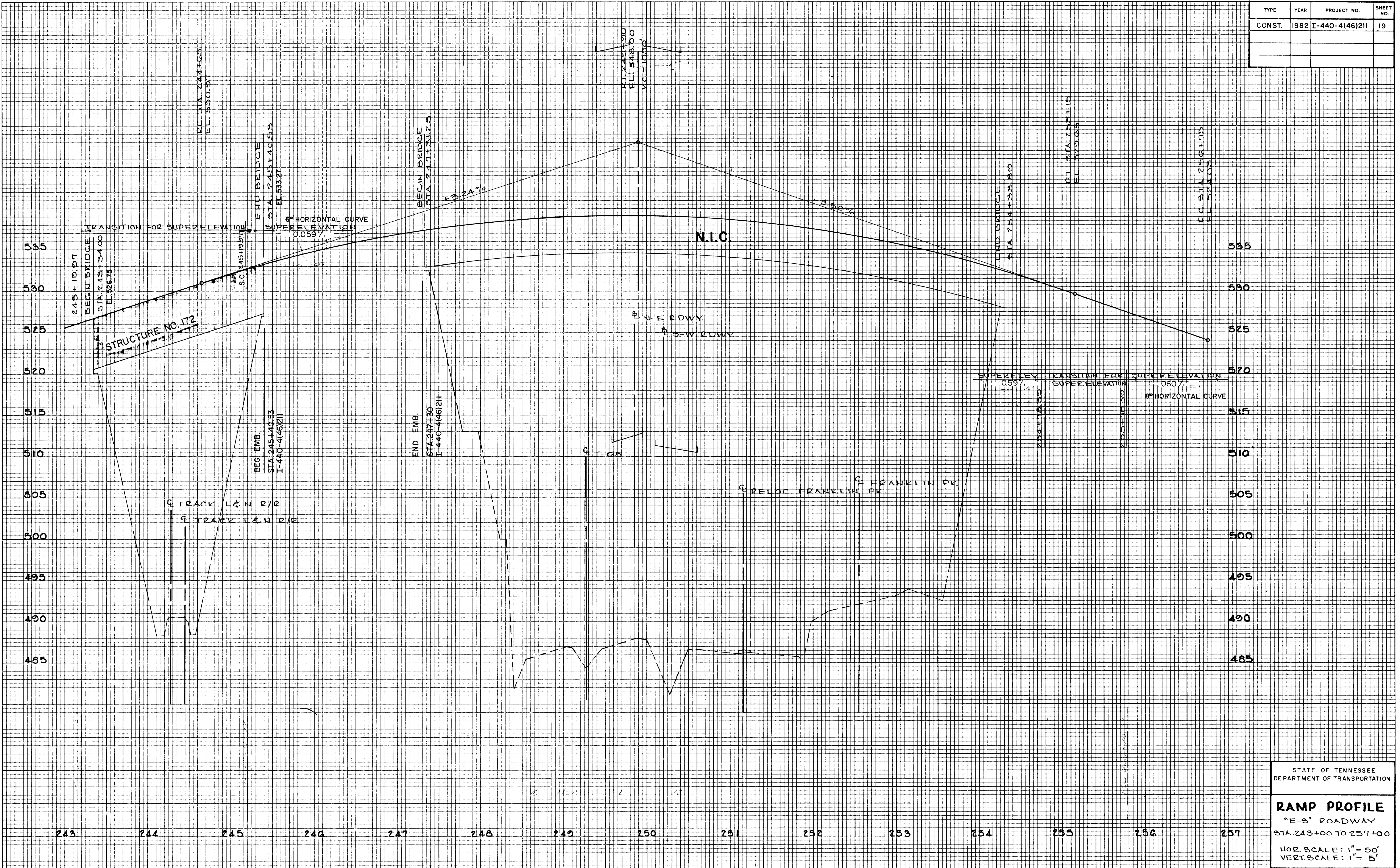
RAMP PROFILE
"N-W" ROADWAY
STA. 642+00 TO 654+00
HORZ. SCALE: 1"=50'
VERT. SCALE: 1"=5'

TEMP STATE HIGHWAY 168

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	1982	I-440-4(46)211	19

FINAL SURVEY PLOTTED	DATE

ORIGINAL SURVEY PLOTTED	DATE



STATE OF TENNESSEE
 DEPARTMENT OF TRANSPORTATION

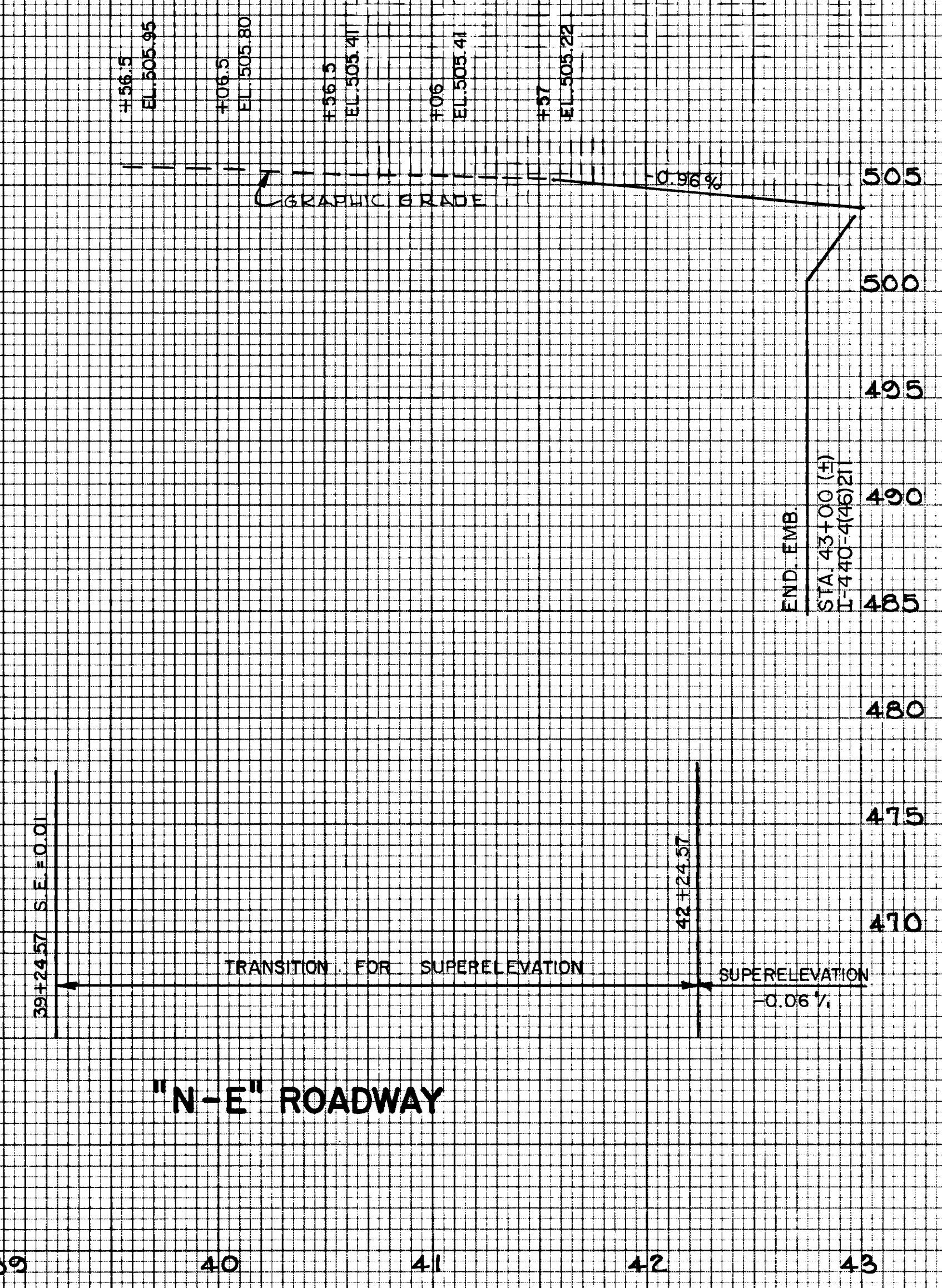
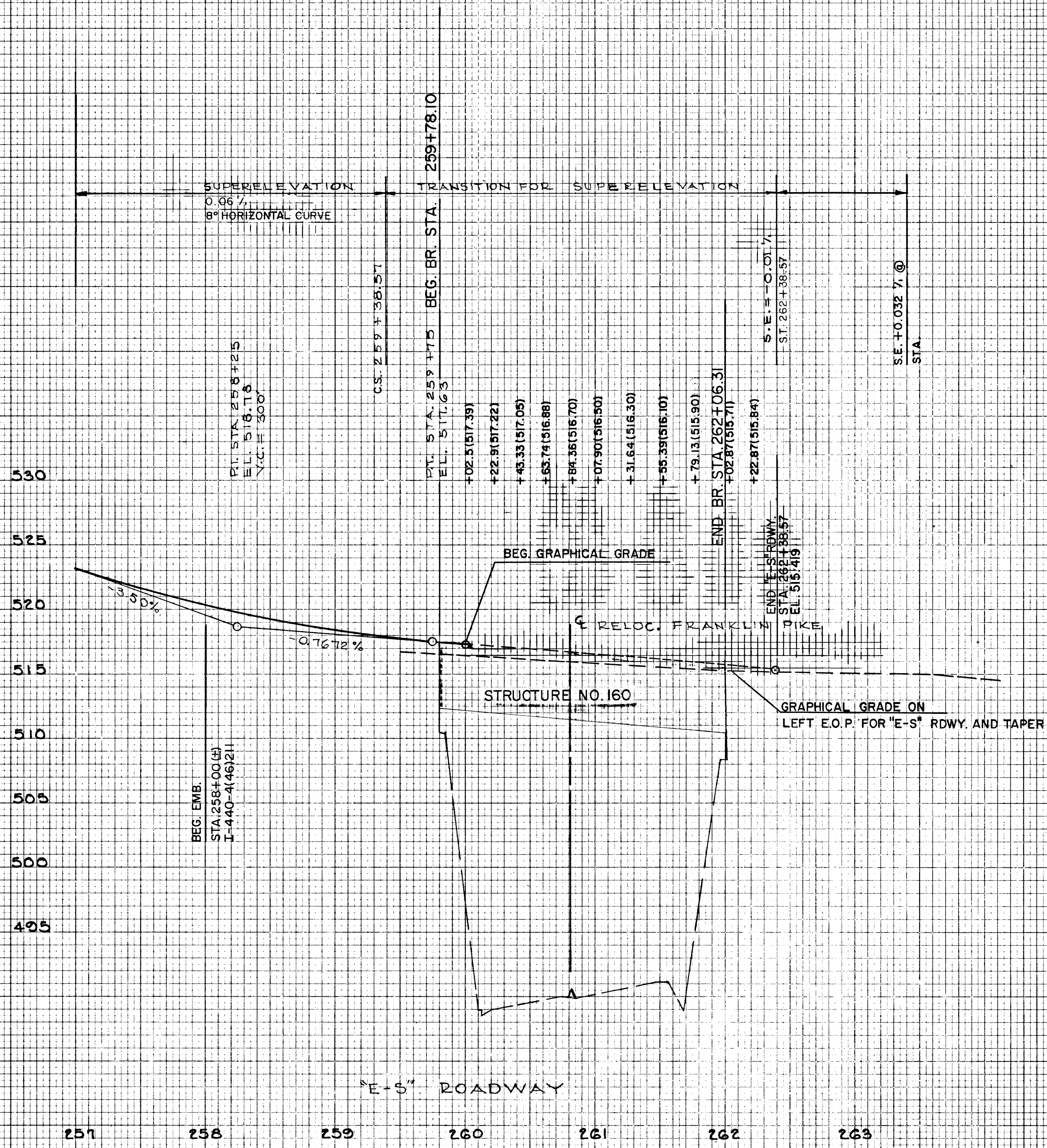
RAMP PROFILE
 "E-S" ROADWAY
 STA 243+00 TO 257+00
 HOR. SCALE: 1" = 50'
 VERT. SCALE: 1" = 5'

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FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK NO.	PLOTTED		
	DATE		
	AREAS		
	CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK NO.	PLOTTED		
	DATE		
	AREAS		
	CHECKED		

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	1982	I-440-4(46)211	20



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

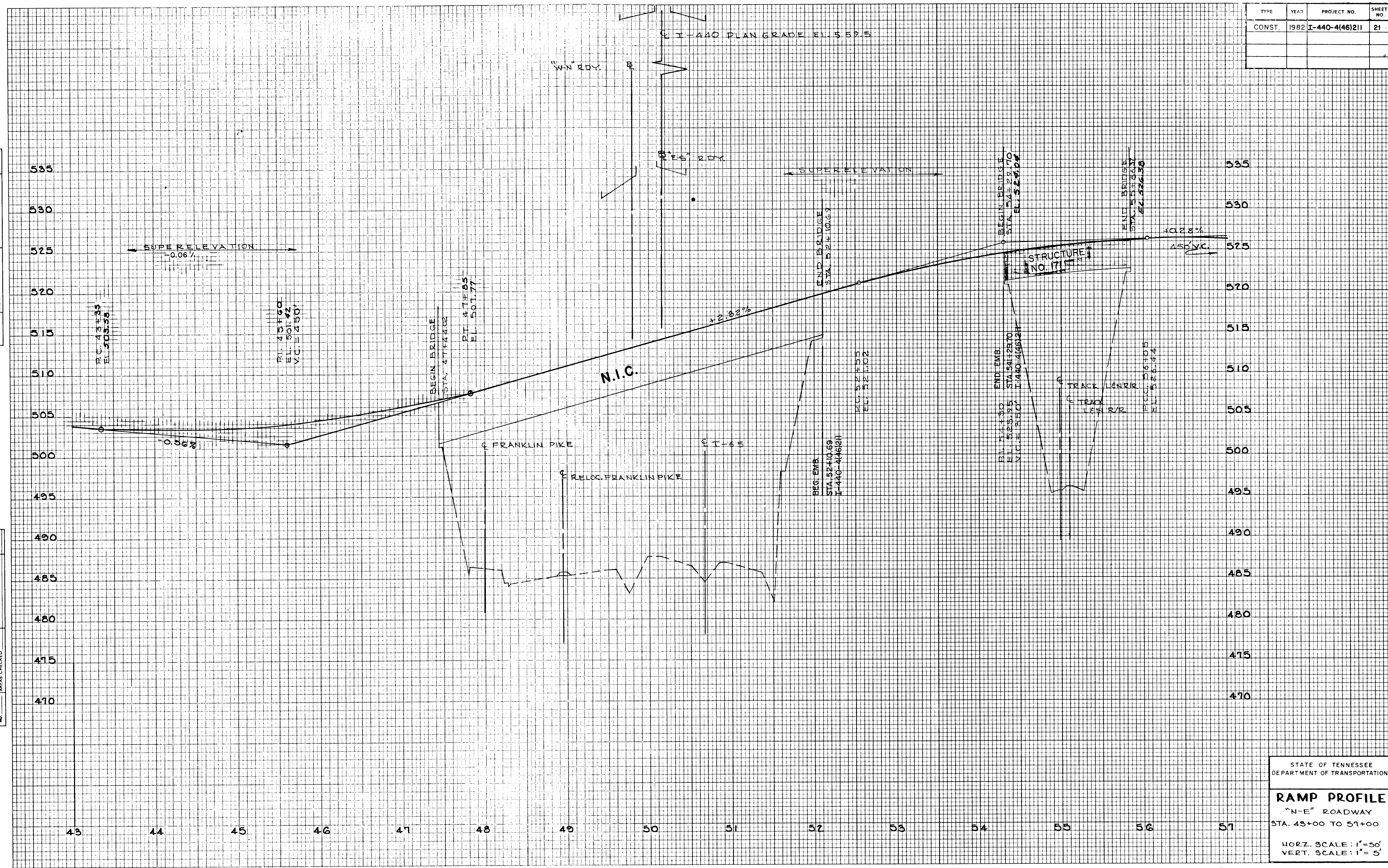
RAMP PROFILE
"E-S" STA. 257+00 TO 263+00
"N-E" STA. 38+00 TO 43+00
HORIZ. SCALE: 1" = 50'
VERT. SCALE: 1" = 5'

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168

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	1982	I-440-4(46)211	21

FINAL SURVEY	DATE
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
NO.	
AREAS CHECKED	

ORIGINAL SURVEY	DATE
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
NO.	
AREAS CHECKED	



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

RAMP PROFILE
"N-E" ROADWAY
STA. 43+00 TO 51+00

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

11/168

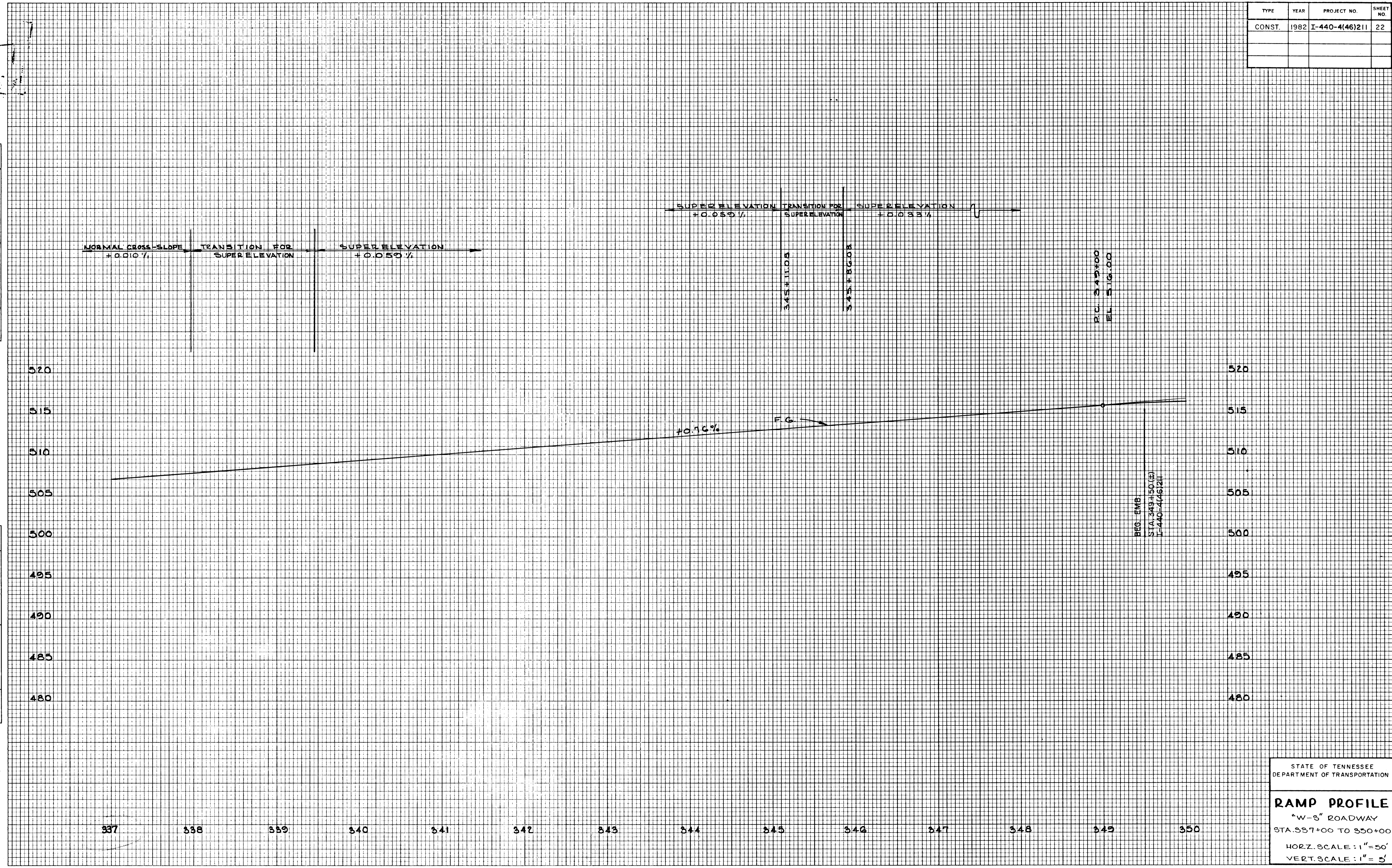
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	1982	I-440-4(46)211	22

DATE	BY

FINAL SURVEY	NO.
SURVEYED	
PLOTTED	
DATE	
AREAS CHECKED	
NO.	

DATE	BY

ORIGINAL SURVEY	NO.
SURVEYED	
PLOTTED	
DATE	
AREAS CHECKED	
NO.	



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

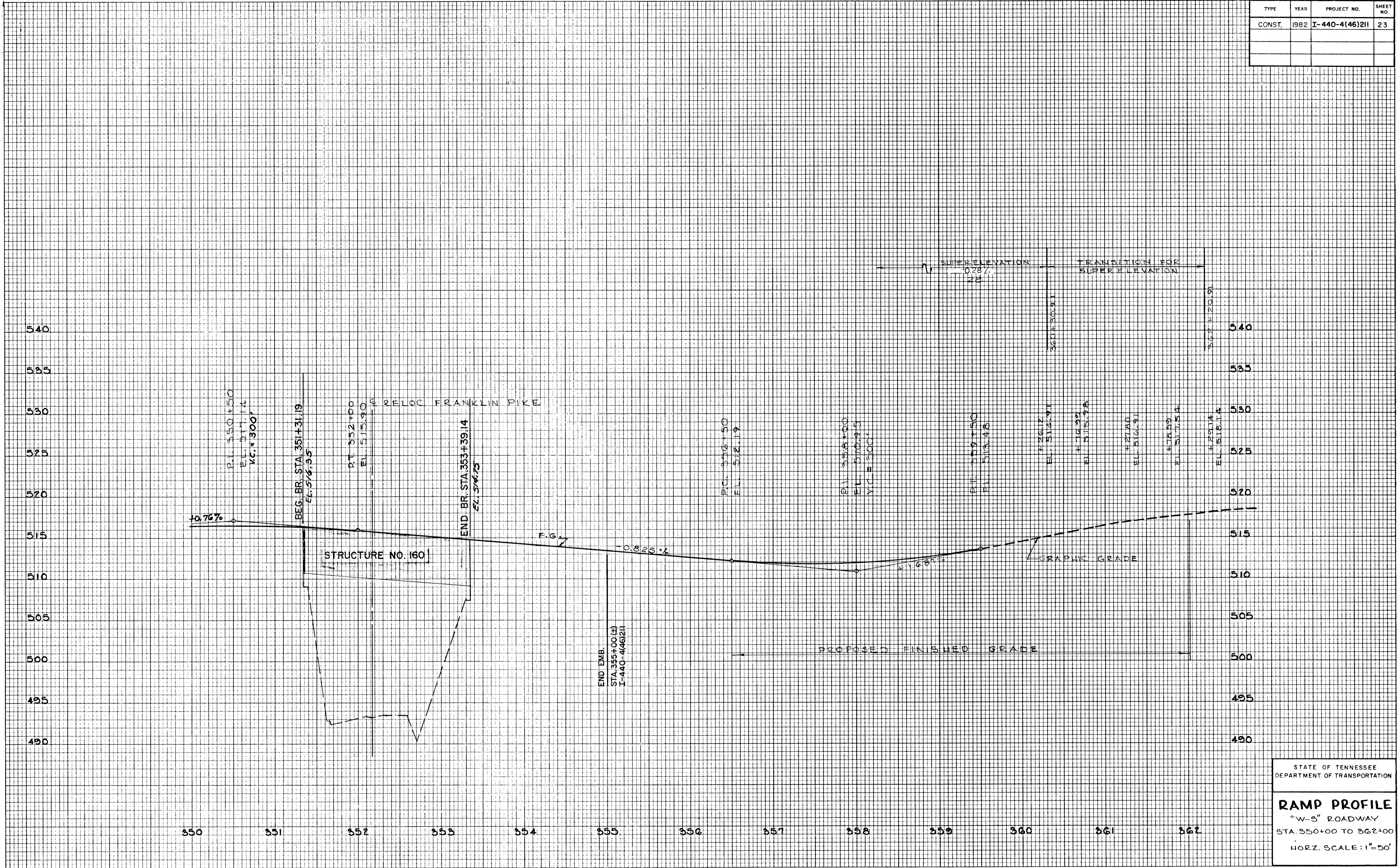
RAMP PROFILE
"W-S" ROADWAY
STA. 337+00 TO 350+00
HORZ. SCALE: 1" = 50'
VERT. SCALE: 1" = 5'

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	1982	I-440-4(46)211	23

TENN. STATE HIGHWAYS
 Plan File No. 163
 Date

FINAL SURVEY NOTE BOOK NO. _____
 SURVEYED BY _____
 PLOTTED BY _____
 TEMPLATE AREAS CHECKED _____
 DATE _____

ORIGINAL SURVEY NOTE BOOK NO. _____
 SURVEYED BY _____
 PLOTTED BY _____
 TEMPLATE AREAS CHECKED _____
 DATE _____



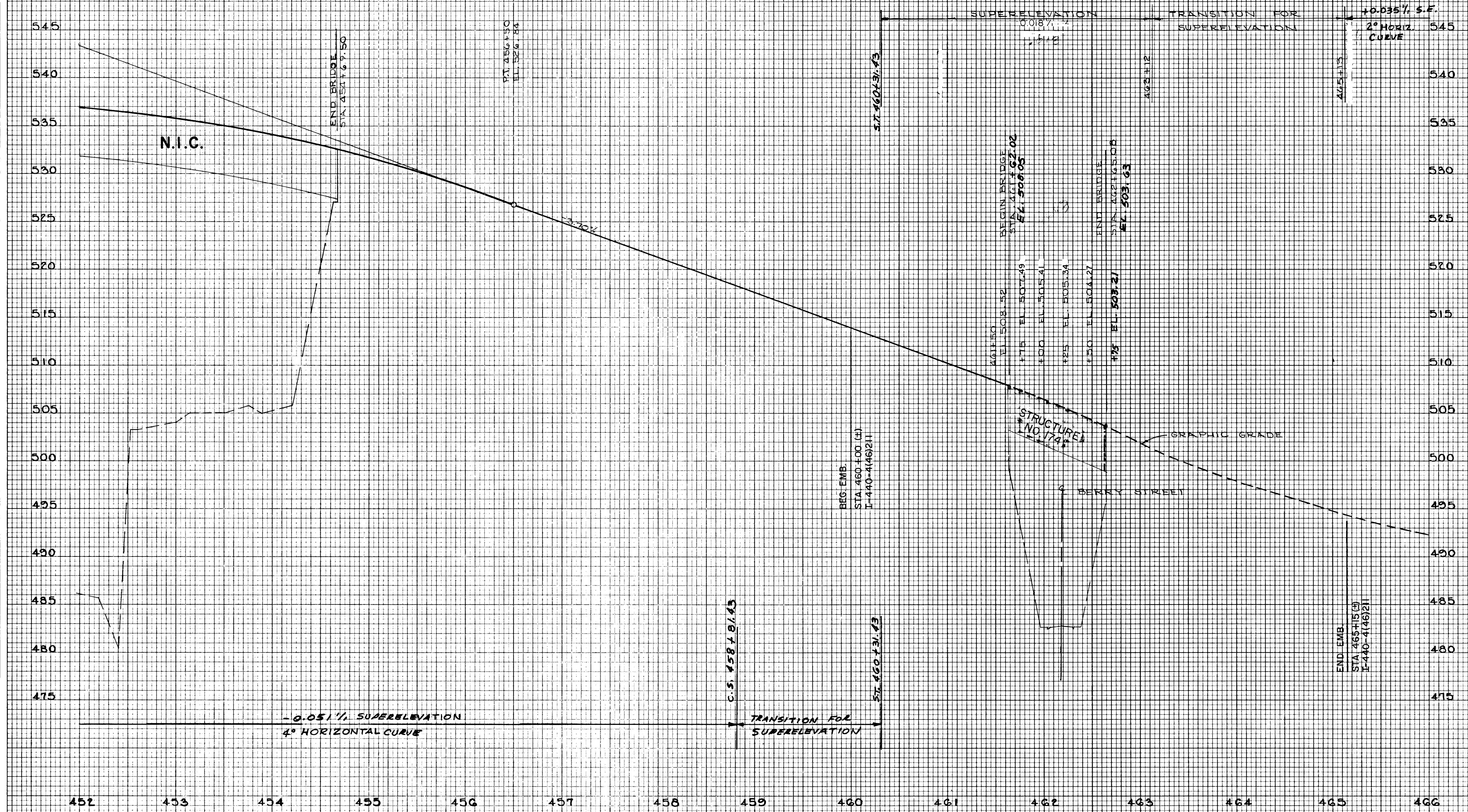
STATE OF TENNESSEE
 DEPARTMENT OF TRANSPORTATION

RAMP PROFILE
 "W-3" ROADWAY
 STA. 350+00 TO 362+00
 HORZ. SCALE: 1"=50'

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	1982	I-440-4(46)211	24

FINAL SURVEY	DATE
SURVEYED	
TEMPLATE	
AREAS CHECKED	
NO.	

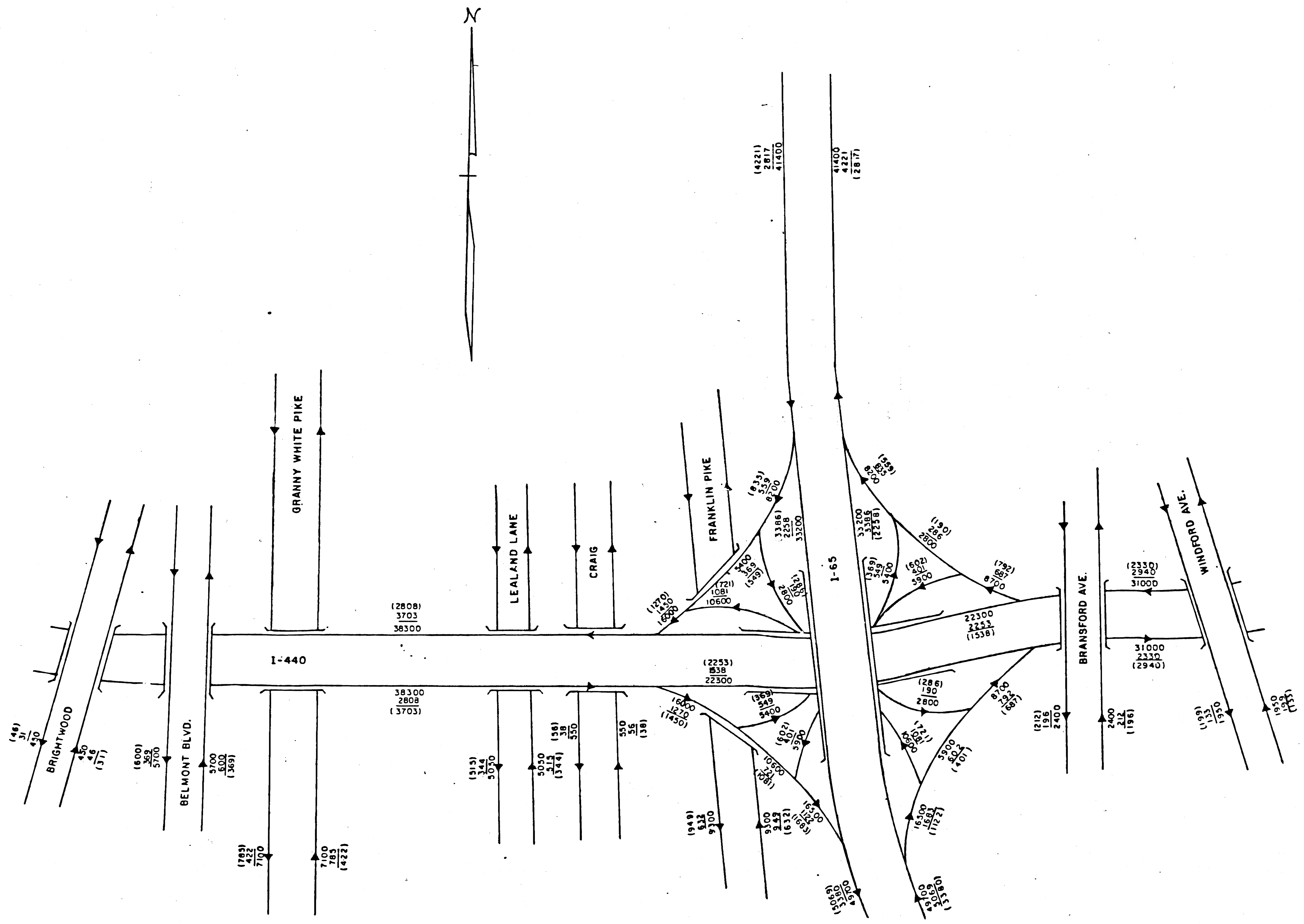
ORIGINAL SURVEY	DATE
SURVEYED	
TEMPLATE	
AREAS CHECKED	
NO.	



STATE OF TENNESSEE
 DEPARTMENT OF TRANSPORTATION
RAMP PROFILE
 "W-N" ROADWAY
 STA. 452+00 TO 466+00
 HORZ. SCALE: 1"=50'
 VERT. SCALE: 1"= 5'

I-440
 The
 1/18
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TYPE	YEAR	PROJECT NO	SHEET NO
CONST.	1982	I-440-4(462)1	25

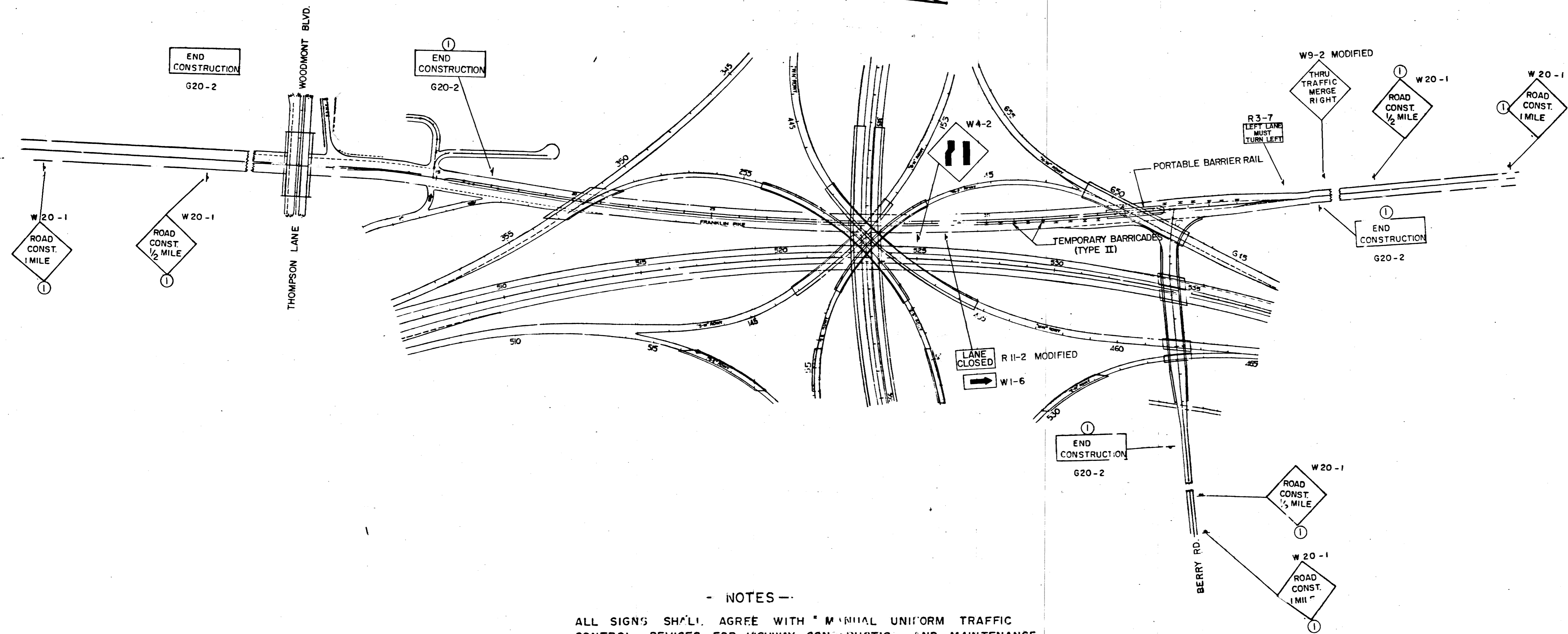


STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC FLOW



① SIGNS TO BE LEFT IN PLACE UNTIL AFTER THE COMPLETION OF PROJ. NO. I-440-4(46)211 AND PROJ. NO. I-440-4(48)211.



- NOTES -

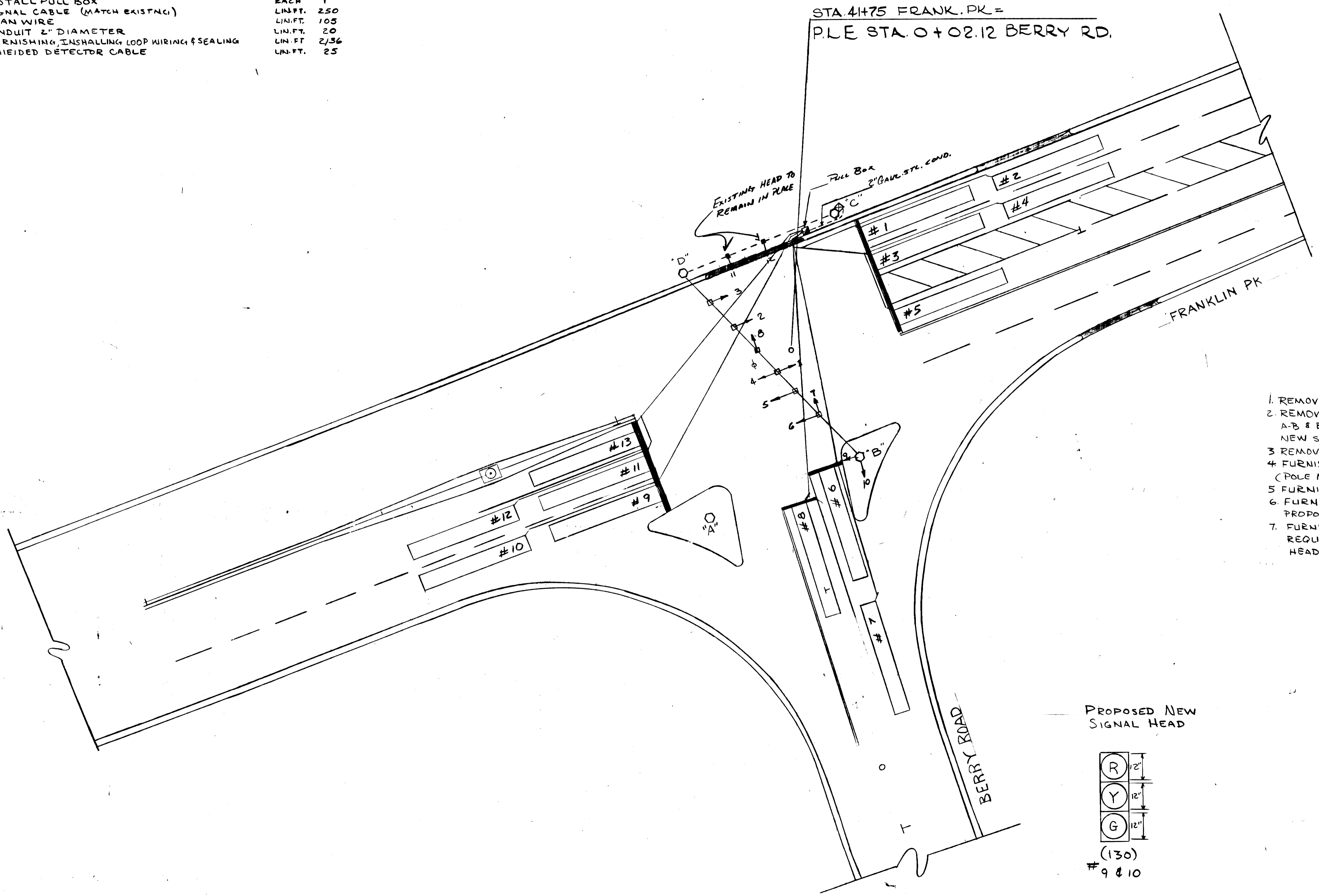
ALL SIGNS SHALL AGREE WITH MANUAL UNIFORM TRAFFIC CONTROL DEVICES FOR HIGHWAY CONSTRUCTION AND MAINTENANCE OPERATIONS.

BILL OF MATERIAL

REMOVAL OF SIGNAL EQUIPMENT	EACH	1
SIGNAL HEAD ASSEMBLY (130)	EACH	2
INSTALL PULL BOX	EACH	1
SIGNAL CABLE (MATCH EXISTING)	LN.FT.	250
SPAN WIRE	LN.FT.	105
CONDUIT 2" DIAMETER	LN.FT.	20
FURNISHING, INSHALLING LOOP WIRING & SEALING	LN.FT.	2/36
SHIEDED DETECTOR CABLE	LN.FT.	25

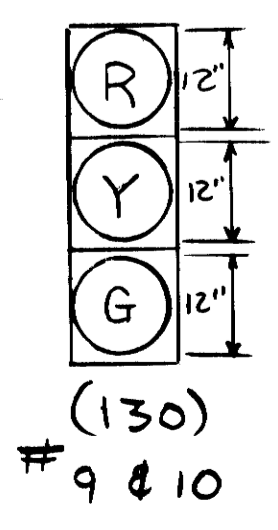
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	82	T-440-4(46)21	27

REV. 9-13-82: ADDED SHEET 27 TO PLANS.



- SCOPE OF WORK**
1. REMOVE POLE "A" & FOUNDATION
 2. REMOVE SIGNAL HEAD ON SPAN A-D, A-B & B-C AND RELOCATE ON PROPOSED NEW SPAN B-D.
 3. REMOVE SPAN WIRE FOR SPAN A-B, A-D & B-C
 4. FURNISH AND INSTALL SIGNAL HEADS #9 & #10 (POLE MOUNTED)
 5. FURNISH & INSTALL DETECTION LOOP NOS. 1-13
 6. FURNISH & INSTALL CONCRETE PULL BOX AND PROPOSED 2" CONDUIT AS SHOWN
 7. FURNISH AND INSTALL ANY SIGNAL CABLE REQUIRED FOR NEW OR RELOCATED SIGNAL HEADS

PROPOSED NEW SIGNAL HEAD



STATE OF TENNESSEE
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 BUREAU OF HIGHWAYS

**TRAFFIC CONTROL
 SIGNAL ADJUSTMENT**
 FRANKLIN PK &
 BERRY RD
 SCALE 1"=20'