

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
3	TENN.	I-503 (15)	1958	1	208

I-40-G(6)271

SCANNED
JAN 11 2022
INDEX OF SHEETS
BY TRC I-503 (15) CONST.

SHEET NO.	DESCRIPTION
1	TITLE
2-2A	TYPICAL CROSS SECTIONS
2B-2C	ESTIMATED ROADWAY & BRIDGE QUANTITIES
4-5	PROPERTY MAP
12-18	R.O.W. PLANS
12A-18A	PROPOSED LAYOUT & PROFILE FINISHED GRADE
	INCLUDES 15B, 15C, 17B, 17C, 17D, 17E, 17F & 17G.
19	STD. SUPERELEVATION DETAILS DWG. NO. S-E-1
20	STD. CONC. END WALLS DIA 3'-0" TO 6'-0" DWG. NO. A-4-83
21	STD. CONC. END WALLS DIA. 1'-0" TO 2'-6" DWG. NO. D-O-13
22	STD. CONC. END WALLS 3:1 SLOPE DWG. NO. E-2-90
23	CORRUGATED METAL & STRUCTURAL PLATE PIPE & PIPE-ARCHES CM-1-4
24	PIPE & PIPE ARCH CULVERTS BEVELLED ENDS AND RIP RAP. CM-1-5
25	STD. METAL END SECTIONS FOR CORRUGATED METAL PIPE & PIPE-ARCH CULVERTS CM-1-6
26	STRUTTING DETAILS-CORRUGATED METAL & STRUCTURAL PLATE ROUND PIPE CM-1-7
27	STD. NO. 31 CATCH BASIN DWG. NO. M-D-1
28	REIN. CONCRETE SPILLWAYS DWG. NO. P-S-8
29	ROADSIDE DEVELOPMENT & LANDSCAPING DWG. NO. RD-L-1B
30	CONCRETE R.O.W. POST DWG. NO. RW-M-2A
31	CONSTRUCTION DETAILS DWG. NO. C-2-95
32-34	STD. REINF. CONCRETE BOX CULVERTS DWG. NO. A-14-73, A-14-74, C-4-140
35	LAYOUT OF BRIDGE (SILVER POINT INTERCHANGE) STA. 337+58.60 DWG. NO. G-3-27
36-41	DETAILS OF BRIDGE DWG. NO. G-3-28, 29, 30, 31, 32 F-10-47
42-50	CROSS SECTIONS PIPE & CONC. BOX CULVERTS
51-184	CROSS SECTIONS - INTERSTATE
185-208	CROSS SECTIONS - TUCKER RIDGE ROAD
27a	DETAILS OF STANDARD GRADE CROSSING DWG. P-C-20

NOTE: SHEETS 3, 4, 5, AND 12 THRU 18 ARE FILED UNDER I-503 (12)
R.O.W. IN FILE IN-G.

TRAFFIC NOTE:
THE CONTRACTOR WILL BE REQUIRED TO MAINTAIN
TRAFFIC ON EXISTING CROSS ROADS DURING CONSTRUCTION

CONVENTIONAL SIGNS

COUNTY LINE	— — — — —
CITY VILLAGE OR BOROUGH	— — — — —
CULVERTS	— — — — —
POWER POLE	— — — — —
TELEPHONE OR TELEGRAPH POLE	— — — — —
FENCE LINE	— — — — —
GUARD RAIL	— — — — —
UNFENCED PROPERTY	— — — — —
RIGHT OF WAY LINE	— — — — —
TRAVELED WAY	— — — — —
RAILROAD	— — — — —
RETAINING WALL	— — — — —
BASE OR SURVEY LINE	— — — — —
DROP INLET	— — — — —
BRIDGE OVER 20 FT. SPAN	— — — — —

THIS PROJECT TO BE CONSTRUCTED UNDER THE STANDARD SPECIFICATIONS
OF THE TENNESSEE DEPARTMENT OF HIGHWAYS AND PUBLIC WORKS, DATED
JULY 1, 1951, AND ADDITIONAL SPECIFICATIONS AND SPECIAL PROVISIONS
CONTAINED IN THE PLANS AND IN THE PROPOSAL CONTRACT

STATE OF TENNESSEE

DEPARTMENT OF HIGHWAYS AND PUBLIC WORKS

PLAN AND PROFILE OF PROPOSED STATE HIGHWAY

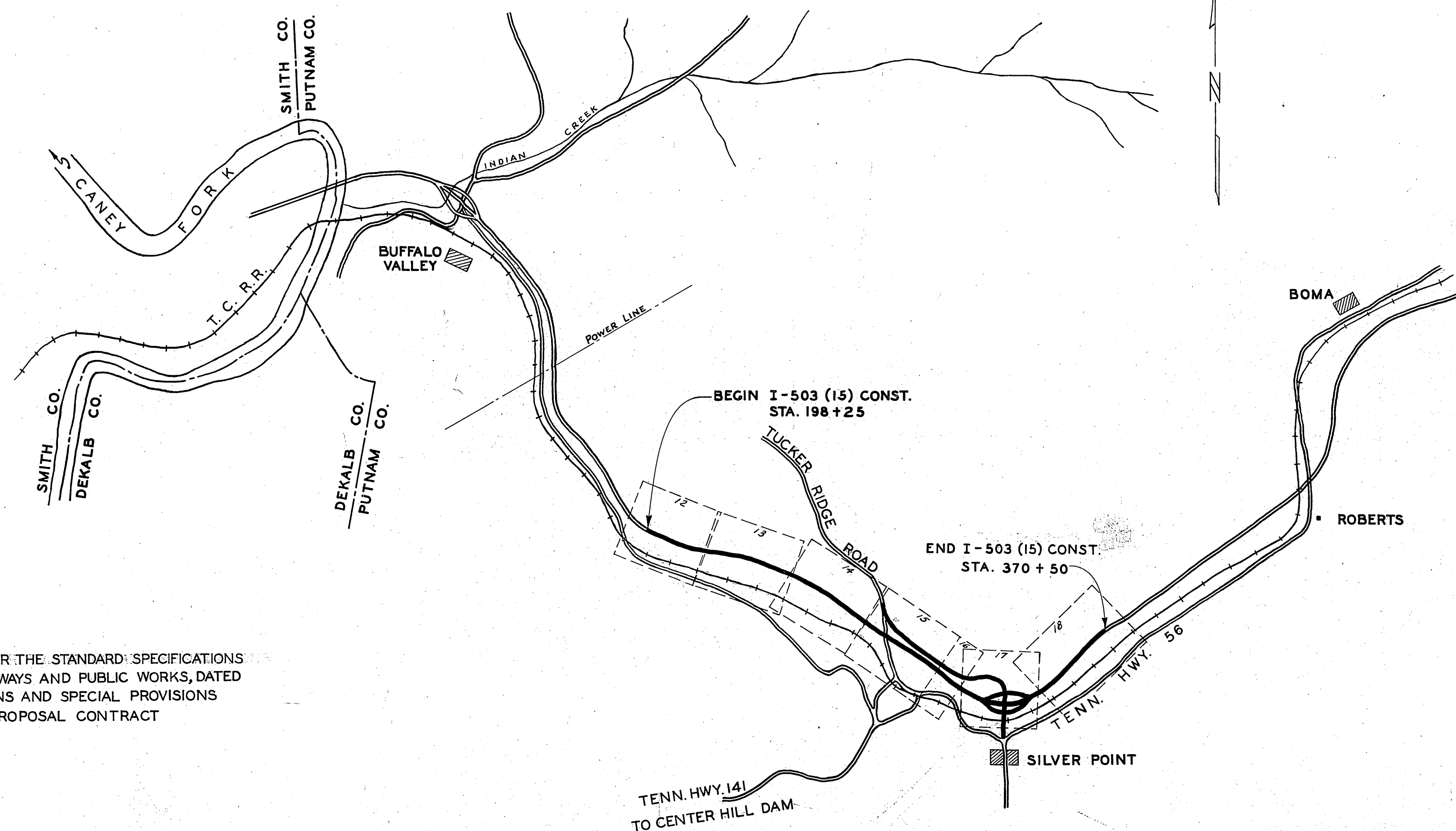
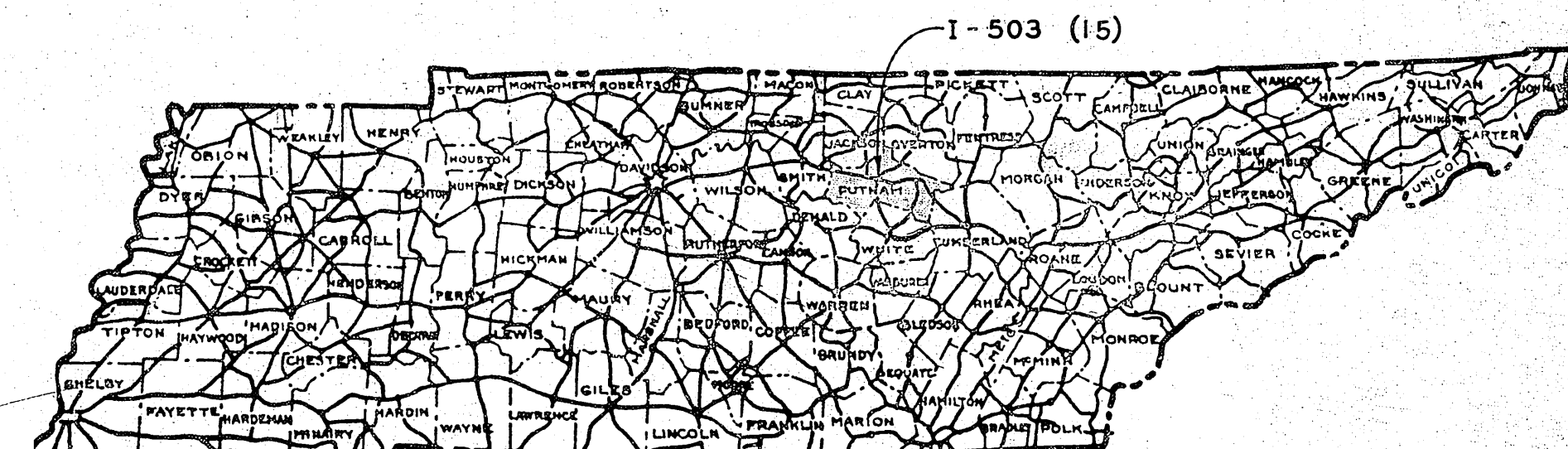
FEDERAL AID PROJECT NO. I-503 (15) CONST.

PUTNAM COUNTY

FROM A POINT 3.5 MILES EAST
OF CANEY FORK TO SILVER POINT

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

SCALES { PLAN, 1 IN.=100 FT.
PROFILE, HOR. 1 IN.=100 FT., VERT. 1 IN.=10 FT.



APPROVED *R. S. Patton*
ENGINEER OF SURVEYS AND DESIGN

DATE

APPROVED *Frank E. Borland*
STATE HIGHWAY ENGINEER

DATE

APPROVED *Wm. L. Leach*
COMMISSIONER

DEPARTMENT OF COMMERCE
BUREAU OF PUBLIC ROADS

APPROVED:

DIVISION ENGINEER

DATE

MID-SOUTH ENGINEERING CO. INC.
820 BROADWAY N.E. - KNOXVILLE, TENNESSEE.

APPROVED *Frank E. Borland* 3-20-58
CHIEF HIGHWAY ENGINEER

ROADWAY LENGTH 3.262 MILES
BRIDGE LENGTH (NONE) MILES
PROJECT LENGTH 3.262 MILES

BRIDGE LENGTH 0.038 MILES ON INTERSECTING ROADS

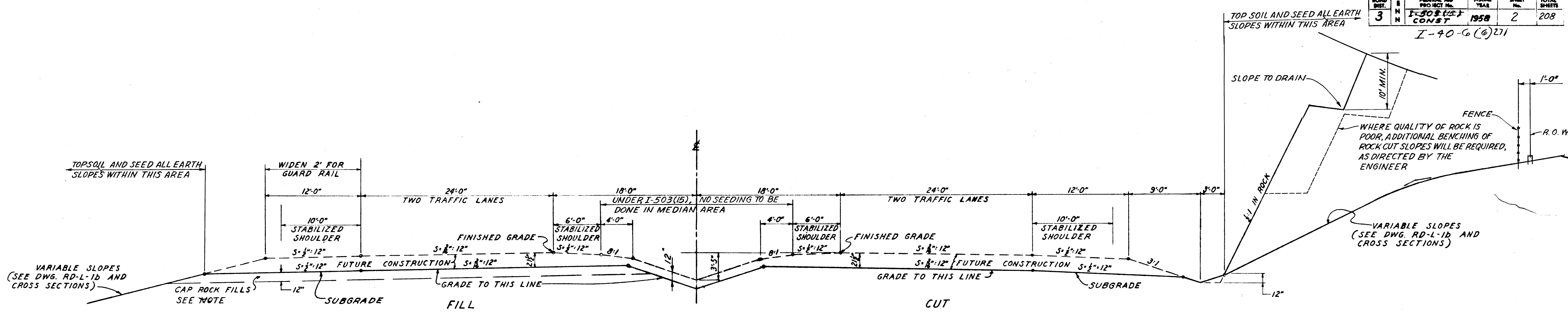
MICROFILMED

SCANNED

DESIGNED:
CHECKED:
SURVEY NO.

REVISED 11-10-58: TRENCHING IN MEDIAN
ON SUPERELEVATED SECTION DELETED.

FED. ROAD DIST. NO.	TENN. PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
3	1-503 (12)	1958	2	18
R.O.W.				
FED. ROAD DIST. NO.	TENN. PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
3	1-503 (12)	1958	2	208
CONST				
I-40-G(6)271				



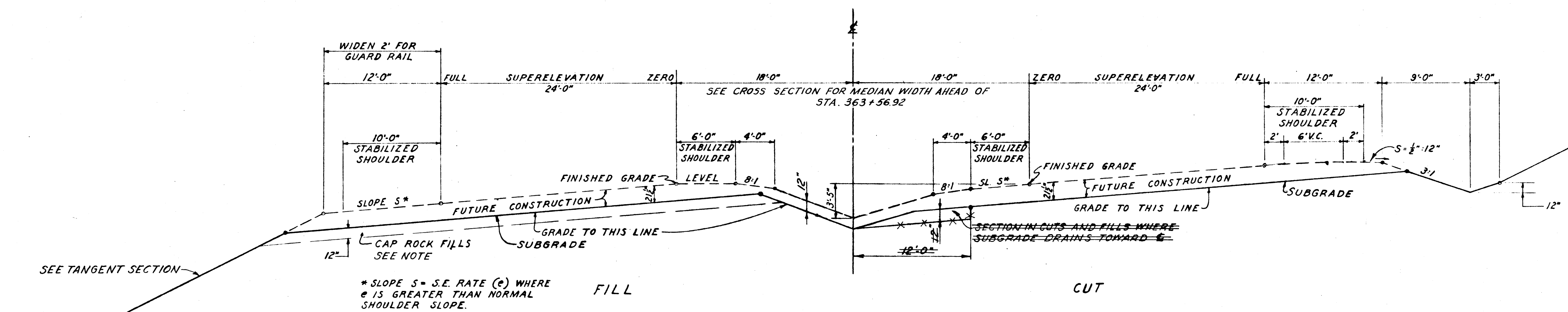
TANGENT SECTION INTERSTATE

NOTES:
Trenching of rock cuts below the limits shown on the typical section will not be required, however, rock excavation up to a maximum of 12' below subgrade, which is not due to carelessness or overshooting by the contractor, will be measured for payment in accordance with Article 13.06 of the specifications. The area below grade shall be backfilled with capping material, Item 15-1.

Capping material shall be obtained from a site approved by the Engineer. Material shall meet the requirements of AASHTO classification A-2 or better and have maximum size of 6 inches.

Contractor shall be required to place sufficient material upstream from each median drain to lead the water into the inlet.

Capping of rock fills shall be omitted when, in the judgement of the Engineer, the material available from excavation will produce a satisfactory subgrade.



SUPERELEVATED SECTION INTERSTATE

MID-SOUTH ENGINEERING CO., INC.
820 BROADWAY, N. E. KNOXVILLE, TENNESSEE

TYPICAL SECTIONS
INTERSTATE

STATE OF TENNESSEE
DEPARTMENT OF HIGHWAYS
AND PUBLIC WORKS
NASHVILLE

DR. G.M.M. DATE 11-14-57
CHK'D. M.L.S.
APP'D. M.L.S.

A-1 1-22-58 General Revision

REVISED 11-10-58: BASE UNDER
TUCKER RIDGE RD. AT INTERCHANGE AND
RELOC. HWY #141 INCREASED TO 14',
SODDING DETAIL REV.

FED. ROAD DIST. No.	T E N N	FEDERAL AID PROJECT No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
3		CONSTR	1958	2A	208

REVISED 4-15-58; RELOCATED HWY #141 ADDED.
I-40-6(6)271

PAVED SLOPES

Pave slopes under bridge with 4" thick concrete slab, reinforced with wire fabric reinforcement at 58 lbs per 100 sq. ft. The slab shall extend the width of the structure plus 4 1/2' on each side and run parallel to the structure.

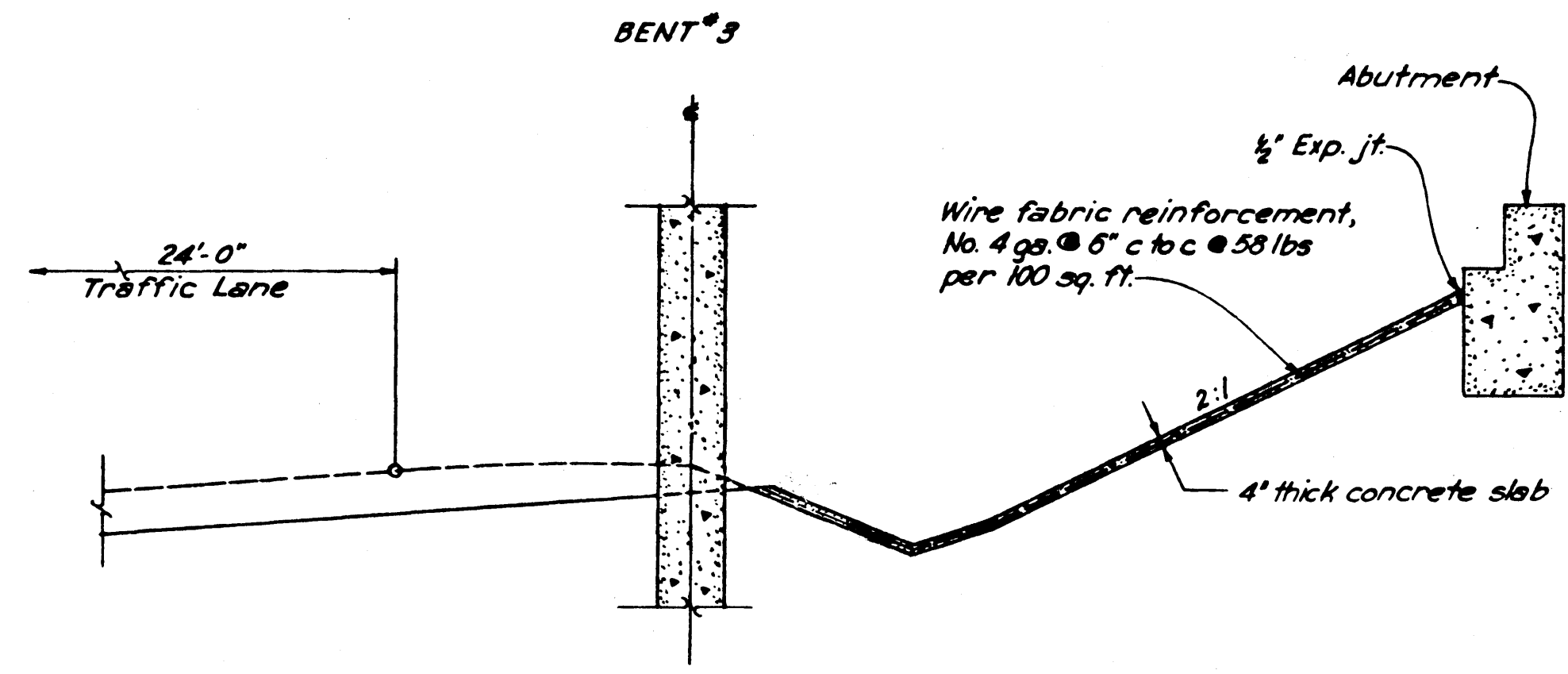
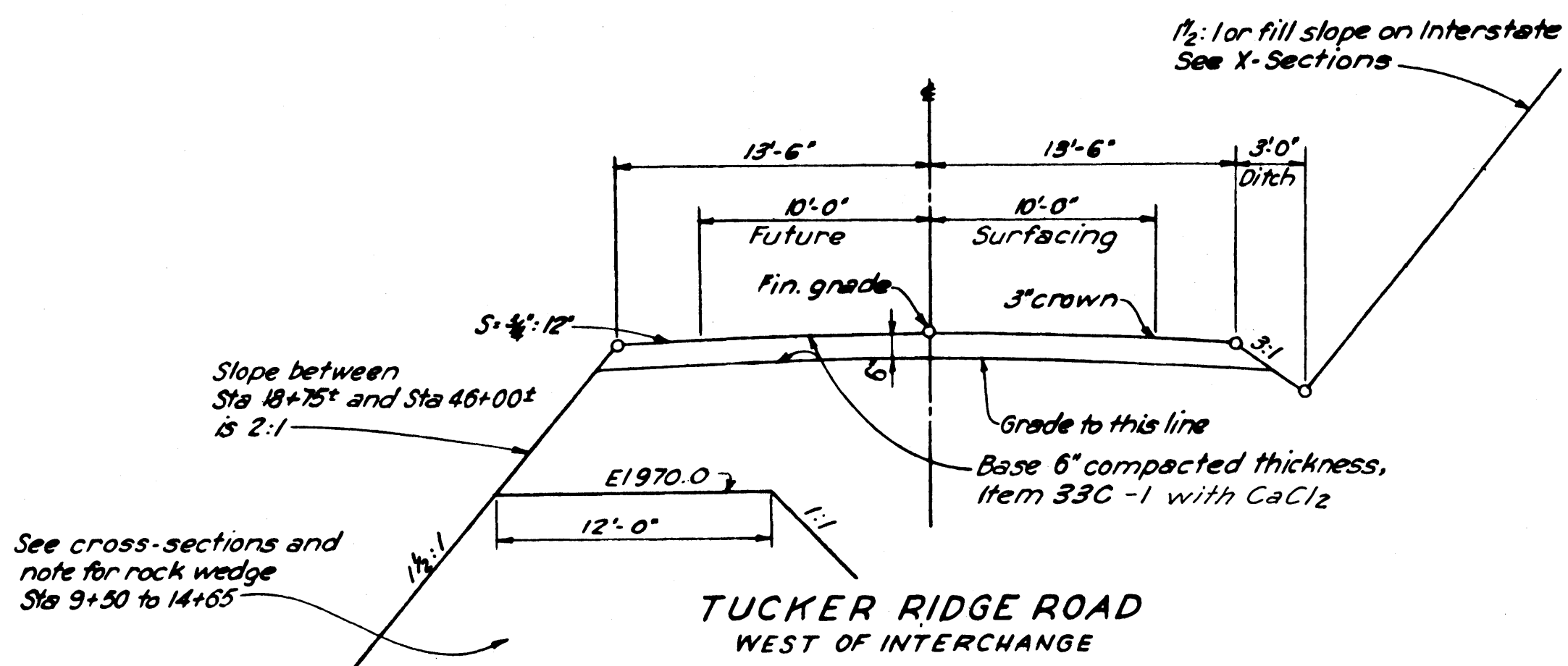
Wire fabric shall have No. 4 wires transverse @ 6" c. to c. and No. 4 wires longitudinal @ 6" c. to c. A 12" lap will be required on all sheets of wire fabric. Wire fabric shall extend to within 3" of edge of slab. Wire fabric reinforcement shall be placed at one-half depth of slab.

1/2" preformed expansion joints without load transfers shall be formed about all structures and features projecting through, into or against the slab.

The slab shall be grooved parallel to and at right angles to the Interstate Route @ 6" c. to c. Depth of groove to be not less than 1"

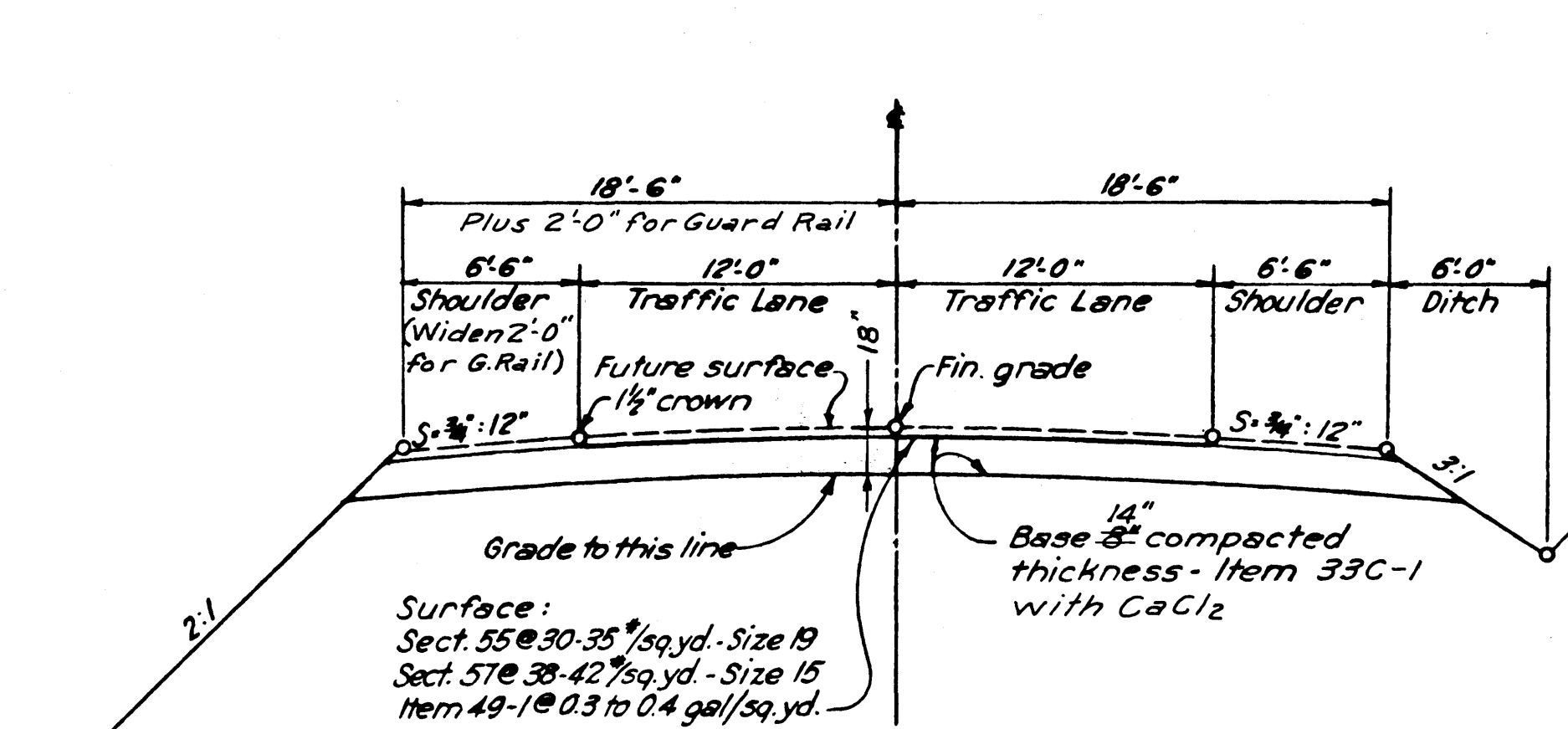
Class "A" concrete 46 cu. yds.

All costs of slope paving, including wire fabric reinforcement, to be included in unit price bid for class "A" concrete.



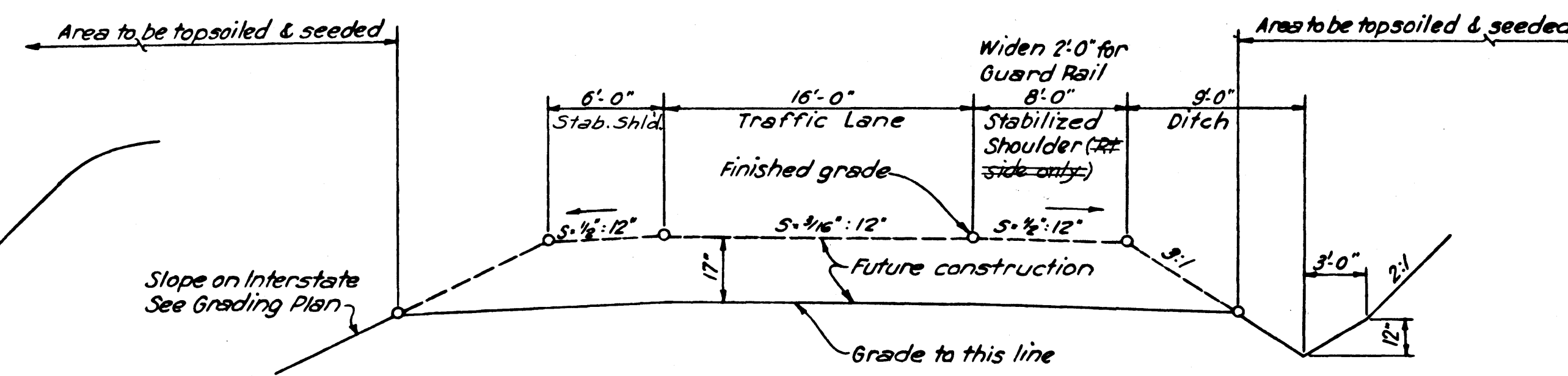
PAVED SLOPES UNDER BRIDGE

STA 377+58.60
RIGHT LANE - AS SHOWN
LEFT LANE - SIMILAR



TUCKER RIDGE ROAD
AT INTERCHANGE
& HIGHWAY #56
AND
RELOCATED HWY #141
FOR WIDTH OF BASE AND PAVEMENT AT
INTERCHANGE SEE SHEETS 17C & 17D

Note:
Pavement shall be ramped up
to meet finished grade of
bridge over I-503.



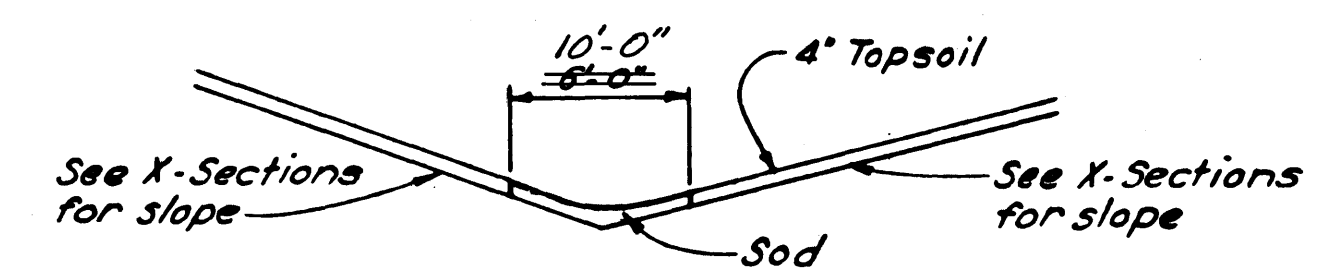
RAMPS ON SILVER POINT INTERCHANGE

For Superelevation on lanes, see Grading Plan

NOTES:
Superelevation on all Frontage Roads shall be rotated about center line.

The outside portion of the fill on Tucker Ridge Road between Sta 9+50 and Sta 14+65 shall be constructed of durable rock to El 970.0, width at top 12'.

The overhanging rock faces at the two waterfalls left of Sta 13+00 (Tucker Ridge Rd.) shall be removed in a manner that will insure complete filling of all cavities within the limits of the embankment.



SODDING DETAIL - EARTH DITCHES

MID-SOUTH ENGINEERING CO., INC.
620 BROADWAY, N. E. KNOXVILLE, TENNESSEE

TYPICAL SECTIONS
RAMPS AND
FRONTAGE ROADS

STATE OF TENNESSEE
DEPARTMENT OF HIGHWAYS
AND PUBLIC WORKS
NASHVILLE

DR. R. W. R. DATE 8-4-58
CHK'D M.L.S.
APP'D M.L.S.

PROPOSED CONSTRUCTION UNDER I-503 (15)

GRADING TO LINES INDICATED ON TYPICAL SECTIONS OR AS DIRECTED BY THE ENGINEER.

COMPLETE DRAINAGE SYSTEM AS INDICATED ON PLAN & PROFILE SHEETS.

TOPSOIL AND SEEDING OF ALL EARTH SLOPES AS NOTED ON THE PLANS.

SODDING OF ALL DITCHES IN EARTH AS NOTED ON THE PLANS.

ONE BRIDGE AS SPECIFIED IN THE PLANS.

STOCK FENCE.

BASE AND PAVEMENT ON TUCKER RIDGE ROAD AND RELOCATED RT. #141 AS INDICATED ON TYPICAL SECTIONS.

FUTURE CONSTRUCTION (NOT UNDER 503 (15))

ALL PAVEMENTS ON INTERSTATE AND SILVER POINT INTERCHANGE, AND ADDITIONAL PAVEMENT ON TUCKER RIDGE ROAD.

TOPSOIL, SEEDING AND SUBGRADE INSULATION IN MEDIAN STRIPS.

GUARDRAIL.

CURBS.

GENERAL NOTES

GRADE ON PROFILE SAME AS GRADE ON CROSS-SECTIONS AND SAME AS FINISHED GRADE ON TYPICAL CROSS-SECTIONS.

UNDER ITEM 15-1, THE CONTRACTOR SHALL BE REQUIRED TO FURNISH SUITABLE BORROW MATERIAL FROM SITES APPROVED BY THE ENGINEER. THE BORROW MATERIAL SHALL BE TAKEN IN A MANNER THAT MAY BE READILY MEASURED.

THE COST OF CULVERT EXCAVATION FOR CONCRETE BOX CULVERTS SHALL BE INCLUDED IN THE UNIT PRICE BID PER CU. YD. OF CLASS 'A' CONCRETE. THE COST OF CULVERT EXCAVATION FOR PIPE CULVERTS, INLETS AND END WALLS SHALL BE INCLUDED IN THE UNIT PRICE BID PER LINEAR FOOT OF PIPE.

WHEN A CULVERT IS MOVED TO A NEW LOCATION OTHER THAN THAT SHOWN ON THE PLANS, THEREBY INCREASING OR DECREASING THE AMOUNT OF CULVERT EXCAVATION, NO INCREASE OR DECREASE IN AMOUNT OF PAYMENT WILL BE MADE DUE TO THE CHANGE.

ALL NECESSARY CONSTRUCTION JOINTS IN CONCRETE BOX CULVERTS AND BRIDGES SHALL BE THE BUTT TYPE. LOCATION OF JOINTS TO BE AS SHOWN ON THE PLANS OR DETERMINED BY THE ENGINEER ON CONSTRUCTION.

SLOPES ALONG INTERSTATE ARE TO BE 2:1 OR FLATTER, EXCEPT AS NOTED ON THE CROSS-SECTIONS.

TUCKER RIDGE RD.
OVER
INTERSTATE
BRIDGE NO. 1
STA. 337+58.6
1 CONC. DECK
GIRDER BRIDGE
1 SPAN @ 47'-6"
2 SPAN @ 54'-0"
1 SPAN @ 47'-6"
TOTAL LGTH 203'
1-28' ROADWAY
WITH SAFETY CURBS
30° SKEW
DWG. NO. G-3-27

ESTIMATED BRIDGE QUANTITIES

ITEM NO.	DESCRIPTION	TOTAL QUANTITY	UNIT
17-2	DRY EXCAVATION (BRIDGES)	31	CU. YDS.
17-4	ROCK EXCAVATION (BRIDGES)	15	CU. YDS.
17-5	ROCK DRILLING (BRIDGES)	24	LIN. FT.
② 135-4	CLASS "A" CONCRETE	285.6	CU. YDS.
135-12	STEEL BAR REINFORCEMENT	56,534	LBS.
137-3	STEEL PILES (10")	454	LIN. FT.
① 154-PT	PRECAST CONCRETE GIRDER 45" I x 45'-14" TYPE III	10	EA.
154-PT	PRECAST CONCRETE GIRDER 45" I x 52'-2 1/2" TYPE III	10	EA.
501-A	ALUMINUM HANDRAIL (3 BAR)	395	LIN. FT.

① THE PRICE EACH FOR PRECAST- PRESTRESSED CONCRETE GIRDERS SHALL INCLUDE ALL BEARING PLATES, ANCHOR BOLTS, TRANSVERSE TIE RODS AND ANY OTHER REQUIRED ACCESSORIES. THESE STRUCTURAL STEEL ITEMS SHALL CONFORM TO ITEM 132-1 OF THE STANDARD SPECIFICATIONS. GIRDER LENGTHS ARE 5% OF BEARING PLATES.

② THE PRICE FOR CLASS "A" CONCRETE SHALL INCLUDE ALL JOINT MATERIAL.

ESTIMATED ROADWAY QUANTITIES

ITEM NO.	DESCRIPTION	QUANTITY	UNIT
11-1	CLEARING AND GRUBBING	1	L. S.
⑤ 12-1	REMOVAL OF STRUCTURES, OBSTRUCTIONS, ETC.	1	L. S.
⑦ 13-3	ROAD & DRAIN EXCAV. (UNCLASS)	2,312,782	C. Y.
① 13-5	WATER (EMBANKMENT)	-9,710-	M GALS.
② 15-1	BORROW EXCAV. (COMMON)	34,870	C. Y.
21-1	SODDING	4,200	SQ. YD.
33C-1	CRUSHED STONE (TRAFFIC BOUND ROADWAY)	-8,736-	TON
33C-1b	FLAKE CALCIUM CHLORIDE (TRAFFIC BOUND ROADWAY)	-6.9-	TON
33C-1c	CONCENTRATED CALCIUM CHLORIDE (TRAFFIC BOUND ROADWAY)	-5.6-	TON
49-1	BITUMINOUS MATERIAL (PRIME COAT)	9	TON
55-1	BITUMINOUS SEAL COAT (H.B.S.C.)	-6-	TON
55-2	MINERAL AGGREGATE (H.B.S.C.)	-84-	TON
57-1	BITUMINOUS MATERIAL (S.B.S.T.)	-9-	TON
57-2	MINERAL AGGREGATE (S.B.S.T.)	104	TON
④ 57-3	TACK COAT (S.B.S.T.)	-2-	TON
132-4b	GREY IRON CASTINGS - CLASS 20	11,150	LBS.
135-4	CLASS "A" CONCRETE	545	C. Y.
135-4A	CLASS "A" CONCRETE (PAVED SLOPES UNDER BRIDGE)	46	C. Y.
135-12	STEEL BAR REINFORCEMENT	60,902	LBS.
144-	15" CGM PIPE CULVERT BITUMINOUS COATED	3077	LIN. FT.
144-	18" CGM PIPE CULVERT BITUMINOUS COATED	658	LIN. FT.
144-	24" CGM PIPE CULVERT BITUMINOUS COATED PAVED INVERT	1912	LIN. FT.
144-	30" CGM PIPE CULVERT BITUMINOUS COATED PAVED INVERT	630	LIN. FT.
144-	36" CGM PIPE CULVERT BITUMINOUS COATED PAVED INVERT	1092	LIN. FT.
144-	42" CGM PIPE CULVERT BITUMINOUS COATED PAVED INVERT	1588	LIN. FT.
144-	48" CGM PIPE CULVERT BITUMINOUS COATED PAVED INVERT	406	LIN. FT.
③ 144-	54" CGM PIPE CULVERT BITUMINOUS COATED PAVED INVERT	534	LIN. FT.
144-	60" CGM PIPE CULVERT BITUMINOUS COATED PAVED INVERT	340	LIN. FT.
159-	15" PIPE CULVERT METAL END SECTION	33	EA.
159-	18" PIPE CULVERT METAL END SECTION	3	EA.
159-	24" PIPE CULVERT METAL END SECTION	13	EA.
159-	30" PIPE CULVERT METAL END SECTION	2	EA.
159-	36" PIPE CULVERT METAL END SECTION	6	EA.
159-	42" PIPE CULVERT METAL END SECTION	6	EA.
168-13	12" RUBBLE GUTTER (GROUTED)	202	SQ. YD.
⑤ 173-7	STOCK FENCE	36,150	LIN. FT.
174-2	MARKERS (R.O.W.)	83	EA.
④ 176-1	RUBBLE STONE RIP-RAP (PLAIN)	10	C. Y.
176-4	SACKED SAND - CEMENT RIP-RAP	10	C. Y.
189-1	TOP SOIL	22,100	C. Y.
⑤ 12-1a	SALVAGE VALUE OF STRUCTURES REMOVED	1	L. S.
⑤ 500	SEEDING	1,792	UNIT

① Includes 224 M gals of water for sodding & 457 M gals for Item 33C-1.

② See Note, Sh. 2 for possible reduction of quantity.

③ Shop strutted.

④ Contingency item - to be used as directed by the Engineer.

⑤ See Special Provisions.

⑥ Tar or Cut-Back Asphalt.

⑦ INCLUDES APPROX. 43,000 CU. YDS. OF ROCK EXCAV. TO BE HAULED FROM BALANCE BEGINNING AT STA. 246+05 TO THE BALANCE BEGINNING AT STA. 272+00. ALL COSTS OF THIS EXTRA HAUL TO BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 13-3.

REVISED 11-10-58: REVISED QUANTITIES
FOR ITEMS 21-1, 33C-1, 33C-1b, 33C-1c,
55-1, 55-2, 57-1, & 57-3, & 13-5.FED. ROAD DIST. No. 3
T E N N
FEDERAL AID PROJECT No. I-503(15)
CONSTR
FISCAL YEAR 1958
SHEET No. 2-B
TOTAL SHEETS 208REVISED 4-15-59: QUANTITIES
FOR RELOCATED RT. #141
ADDED. NOTE REGARDING
ITEM 13-3 ADDED.

I-40-G(6) 271

MID-SOUTH ENGINEERING CO., INC.
820 BROADWAY, N. E. KNOXVILLE, TENNESSEEESTIMATED
RDWY & BRIDGE
QUANTITIESSTATE OF TENNESSEE
DEPARTMENT OF HIGHWAYS
AND PUBLIC WORKS
NASHVILLEDR. R. M. R.
CHK'D. M.L.S.
APP'D. M.L.S.
DATE
3-4-59
3-18-59
3-20-59

REVISED 4-15-58; QUANTITIES FOR RELOCATED ROUTE *141 ADDED
I-40-G (6) 271
REVISED 11-10-58; PAVING QUANTITIES REV.

CORRUGATED METAL CULVERTS (INTERSTATE)													
STATION	DRAIN AREA AC.	PIPE SIZE AND LENGTH						SKEW	DRAWING NO.	CLASS "A" CONC. CU. YDS.	REINF. STEEL LBS.	METAL END SECTIONS	REMARKS
		24"	30"	36"	42"	48"	54"						
201+80	53-M						340	65° LT	CM-1-4, 7 A-4-83	24.38			8 Ga. - 2 conc. E.W. - Strutted
216+00	8-M		212					75° LT	CM-1-4, 6 E-2-80	3.9	217	1	14 Ga. - 1 conc. "L" wall
227+32	33-M						340	90°	CM-1-4, 5, 7				8 Ga. - Bevelled - Strutted
245+00	17-M				432			75° LT	CM-1-4, 6			2	8 Ga.
258+30	16-M				404			45° LT	CM-1-4, 6 A-4-83	13.46			8 Ga. - 2 conc. E.W.
266+00	5-M	268						90°	CM-1-4, 6			2	14 Ga.
274+56	22-M				474			90°	CM-1-4, 6			2	8 Ga.
280+20	11-M			416				65° LT	CM-1-4, 6			2	8 Ga.
309+00	6H	382						45° LT	CM-1-4 D-0-13	4.12			14 Ga. - 2 conc. E.W.
315+20	10-H			392				80° RT	CM-1-4, 6			2	8 Ga.
324+27	4-H	290						60° LT	CM-1-4 D-0-13	4.12			14 Ga. - 2 conc. E.W.
349+70	36-H				406			60° LT	CM-1-4, 7 A-4-83	18.36			10 Ga. - 2 conc. E.W. - Strutted
364+65	9Ac. H.			284				65° LT	CM-1-4, 6			2	10 Ga.
369+40	26Ac. H.				278			70° RT	CM-1-4, 6			2	10 Ga.
Total		940	212	1092	1588	406	340	340		68.34	217	15	

ITEMIZED PAVING QUANTITIES				
ITEM NO.	DESCRIPTION	TUCKER RIDGE ROAD		UNIT
		WEST OF INTERC. THRU INTERCHG. 1	TOTAL	
33C-1	Crushed Stone	5490	49583 246	8735 Ton
33C-1b	Flake Calc. Chlo.	11.6	10.5-69	22.1-69 Ton
33C-1c	Concentrated Calc. Chlo.	9.5	8.6-56	18.1-56 Ton
49-1	Bituminous Mat'l (Prime Coat)		9	9 Ton
55-1	Bituminous Seal Coat		7-6	7-6 Ton
55-2	Mineral Aggregate		109-84	109-84 Ton
57-1	Bituminous Surface Treat.		10-8	10-8 Ton
57-2	Mineral Aggregate		104	104 Ton
* 57-3	Tack Coat		4-2	4-2 Ton

* To be used as directed by the Engineer.
** Includes intersection with Rt. 56 and relocation of Rt. 141

CONCRETE BOX CULVERTS							
STATION	DRAIN AREA AC.	SIZE & LENGTH			SKEW	DRAWING NO.	CL "A" CONC. CU. YDS.
		S	H	L			
296+44	40Ac. M	5	4	532	SEE SH. 45	A-14-74; C-4-140; A-14-73	420.0
Total							420.0

ITEMIZED QUANTITIES FOR MEDIAN & INTCHG DRAINS											
SHEET NO.	DESCRIPTION	PIPE SIZE AND LENGTH				CLASS "A" CONC. CU. YDS.	REINF. STEEL LBS.	CASTINGS CL 20	METAL END SECT.	12" GROUTED GUTTER SQ. YD.	
		15"	18"	24"	30"						
12A	Median Drains & End Sects.	140	66			3.05		669	3		
13A	Median Drains & End Sects.	525				5.18		1561	8		
14A	Median Drains & End Sects.	434	82			4.50		1338	7		
15A	Median Drains & End Sects.	418				4.44		1338	5		
15B	Ditch Drains & End Sects.	52	132	58		2.42		669	3	61	
15C	Ditch Drains & End Sects.			50		.86		223	1	78	
16A	Median Drains & End Sects.	208				2.22		669	3	33	
17C	Drainage Structures	1014	378	662	418	31.40	254	4014	8		
18A	Median Drains & End Sects.	286				2.22		669	4	30	
TOTAL		3077	658	770	418	56.29	254	11,150	42	202	

GRADING QUANTITIES				
STATION	TO STATION	ROADWAY EXCAVATION - CUBIC YARDS		BORROW CUB. YDS.
		COMMON	SOLID ROCK UNCLASS	
198+25	211+20	15,170	136,500	3900
211+20	246+05	55,243	497,000	10,786
246+05	265+90	228,432	133,200	5,400
265+90	273+90			122,003
273+90	292+00			230,098
292+00	301+85			108,750
301+85	314+75			118,411
314+75	344+00			286,885
344+00	370+50			381,090
To Bring Rock Cuts To Grade				11,792 ¹
TOTAL		298,845	766,700	1,247,237

R.O.W. MARKERS		
Type "A"	Total	28
Type "B"	Total	24
Type "C"	Total	31
	Grand total	83

PIPE CULVERTS (TUCKER RIDGE ROAD)									
STATION	DRAIN AREA AC.	PIPE SIZE & LENGTH		SKEW	DRAWING NO.	CLASS "A" CONC. CU. YDS.	REINF. STEEL LBS.	METAL END SECTIONS	REMARKS
		24"	54"						
4+25	2.5-H	88'		90°	CM-1-4 CM-1-6			2	14 Ga.
36+10	2.2-H	54'		90°	CM-1-4 CM-1-6			2	14 Ga.
42+47	46-H		194'	90°	CM-1-4; CM-1-5; CM-1-7				8 Ga. Bevelled - Strutted
53+32	4-H	60'		65° RT	CM-1-4 CM-1-5			2	14 Ga.
TOTAL		202'	194'					6	

MID-SOUTH ENGINEERING CO., INC. 820 BROADWAY, N. E. KNOXVILLE, TENNESSEE	
ESTIMATED ROADWAY QUANTITIES	
STATE OF TENNESSEE DEPARTMENT OF HIGHWAYS AND PUBLIC WORKS NASHVILLE	
DR. R.W.R. CHK'D. M.L.S. APP'D. M.L.S.	DATE 3-4-58 3-18-58 3-20-58

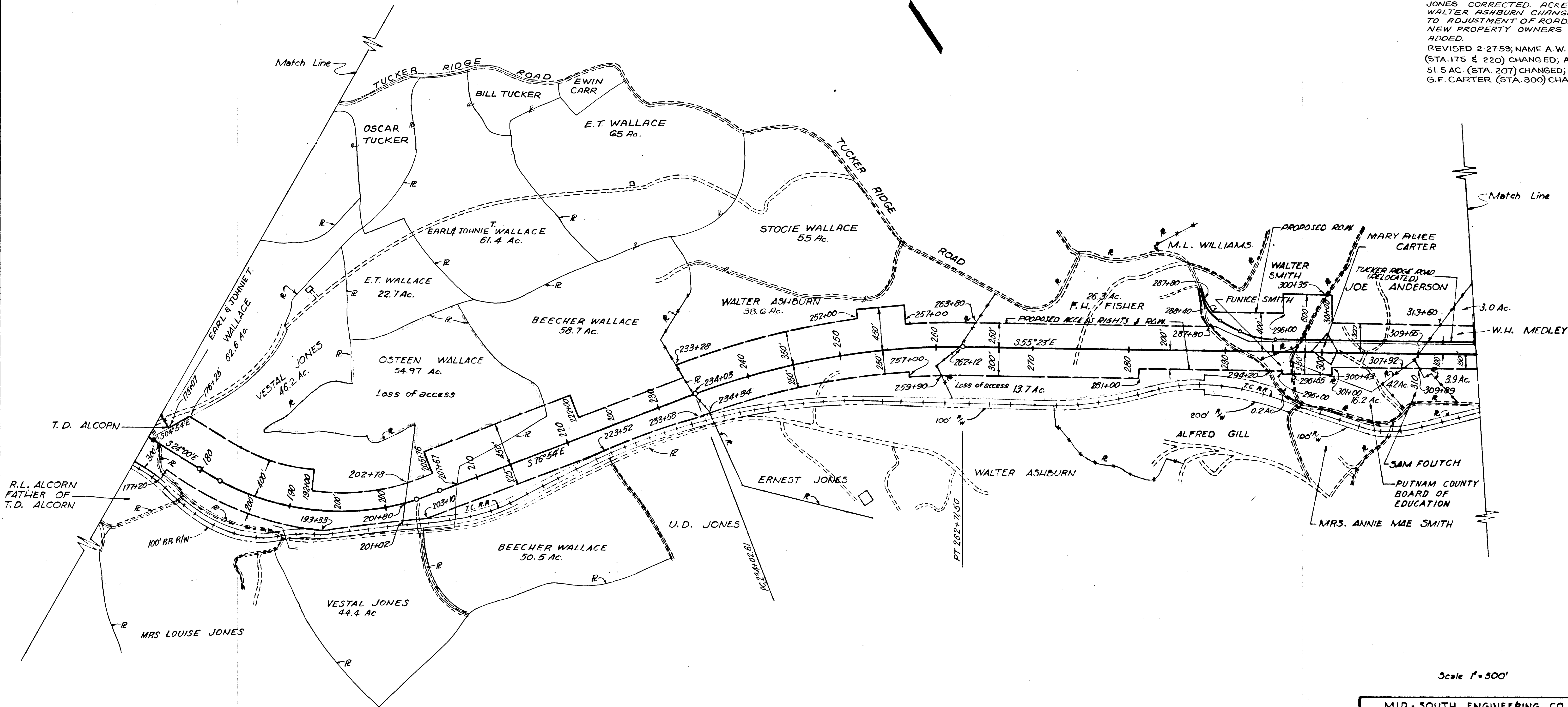
MID-SOUTH ENGINEERING CO.					
FEED ROAD SHEET	T E N N	FEDERAL AID PROJECT No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
3	N	I-503 (12) R.O.W.	1958	4	18
FEED ROAD SHEET	T E N N	FEDERAL AID PROJECT No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
3	N	I-503 (14) CONST.	1958	4	205

I-503(15) 58 4 208

REVISED 4-14-58: GENERAL REVISION

REVISED 7-3-58: ACREAGE OF VESTAL JONES CORRECTED. ACREAGE OF WALTER ASHBURN CHANGED DUE TO ADJUSTMENT OF ROAD. NEW PROPERTY OWNERS AND LINES ADDED.

REVISED 2-27-59; NAME A.W. WALLACE (STA. 175 & 220) CHANGED; AREA 51.5 AC. (STA. 207) CHANGED; NAME G.F. CARTER (STA. 300) CHANGED



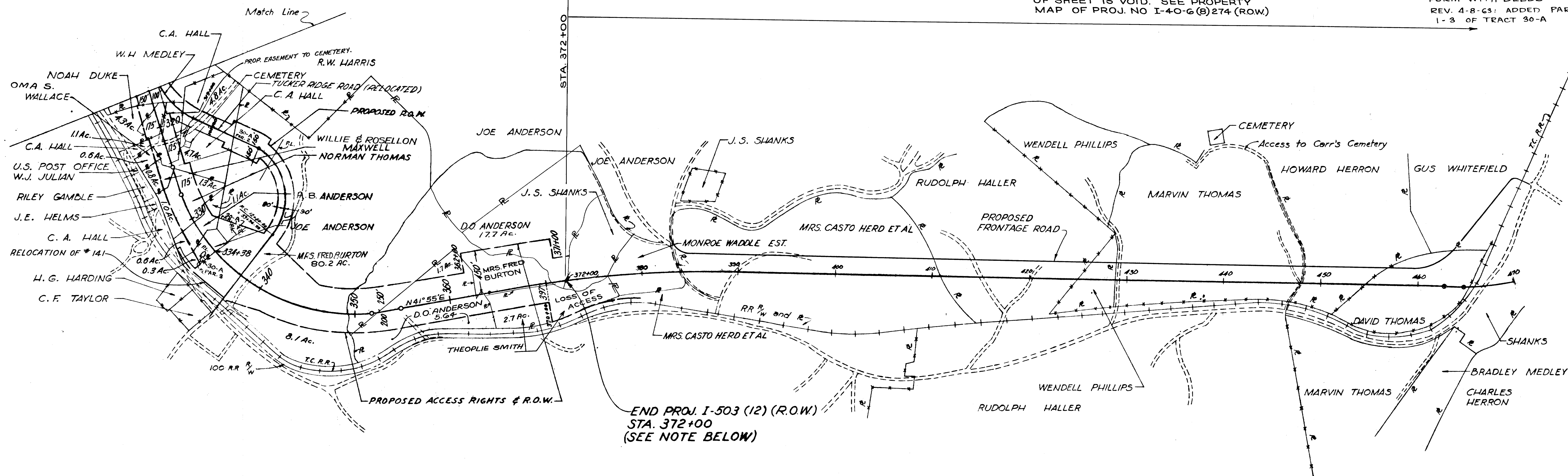
Scale 1" = 500'

MID-SOUTH ENGINEERING CO., INC. 820 BROADWAY, N. E. KNOXVILLE, TENNESSEE	
INTERSTATE ROUTE 503 PUTNAM COUNTY PROPERTY LINE MAP FROM STA 174+06 TO STA 316+00	
STATE OF TENNESSEE DEPARTMENT OF HIGHWAYS AND PUBLIC WORKS	
DR. K.G. CHK'D APP'D	DATE 503-3-151 RI

MID-SOUTH ENGINEERING CO.					
NO. ROAD DIST.	T E N N	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
3	N	1-503 (12) R.O.W.	1958	5	18
PED. ROAD DIST. NO.	T E N N	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
3	N	1-503 (15) (CONST)	1958	5	208

REVISED 4-16-58: GENERAL REV
REVISED 8-19-58: CHANGED R. AND
ACREAGE ON LEFT FOR N.C. BURTON,
D.O. ANDERSON AND ADDED THEOPHIE
SMITH.
REVISED 2-27-59: NAME ED WALLACE
(STA 322) & W.H. MAXWELL (STA. 325)
CHANGED TO AGREE WITH DEEDS.
REVISED OCT. 26, 1960
PROP. EASEMENT TO CEMETERY ADDED ON LT. STA. 321+.
REV. 3-30-61: NAME A.B. ANDER-
SON (STA. 330) & MRS. FRED BUR-
TON (STA. 334 & 352) ADDED TO CON-
FORM WITH DEEDS
REV. 4-8-63: ADDED PARCEL NOS.
1-3 OF TRACT 30-A

NOTE: FROM STATION 372+00 TO END
OF SHEET IS VOID. SEE PROPERTY
MAP OF PROJ. NO I-40-G(8)274 (ROW.)



Scale 1"=500'

MID-SOUTH ENGINEERING CO., INC. 820 BROADWAY, N. E. KNOXVILLE, TENNESSEE	
INTERSTATE ROUTE 503 PUTNAM COUNTY PROPERTY LINE MAP FROM STA 316+00 TO STA 372+00	
STATE OF TENNESSEE DEPARTMENT OF HIGHWAYS AND PUBLIC WORKS	
DR. R.G. CHK'D APP'D	DATE 503-3-152 R1

E.T. WALLACE ET UX
TRACT NO. 15A
LOSS OF ACCESS
87.7 AC. ACQUIRED
ACREAGE IN R.O.W.: NONE

FED. ROAD DIST. NO.	T	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
3	N	I-40-G(22)271 (CONST.)	1956	8	60

FED. ROAD DIST. NO.	T	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
3	N	I-503(15)	1956	12	208

FED. ROAD DIST. NO.	T	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
3	N	I-503(12)	1956	12	18

FED. ROAD DIST. NO.	T	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
3	N	I-40-G(20)271 R.O.W.	1956	8	10

FED. ROAD DIST. NO.	T	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
3	N	I-503(14)	1956	12	205

NOTE: THIS SHEET INCLUDED IN PROJECT I-40-G(22)271 FOR REFERENCE PURPOSES ONLY.
REVISED 4-16-58 - R BETWEEN TRACTS NO. 15 & 16 CHANGED.
REV. 3-13-50: NOTE AFFECTING TRACT NO. 15A, N. OF STA. 202+00, ADDED.

P.I. 193+67.24
N = 624,186.18
E = 2,068,466.07
 $\Delta = 52^{\circ}54'14''$
D = 2'15"
R = 2546.48
Ls = 250'
Bs = 2'48'45"
Y = 4.09
X = 249.94
P = 1.02
K = 124.99
Ts = 1392.35
Lc = 2101.11
Ac = 47'16"30"

OSTEEN WALLACE
TRACT NO. 15
12.28 Ac

VESTAL JONES
TRACT NO. 14
30.85 Ac

BEECHER WALLACE
TRACT NO. 16

VESTAL JONES

Scale 1" = 100'

INTERSTATE ROUTE 503
PUTNAM COUNTY

MID-SOUTH ENGINEERING CO., INC.
820 BROADWAY, N. E. KNOXVILLE, TENNESSEE

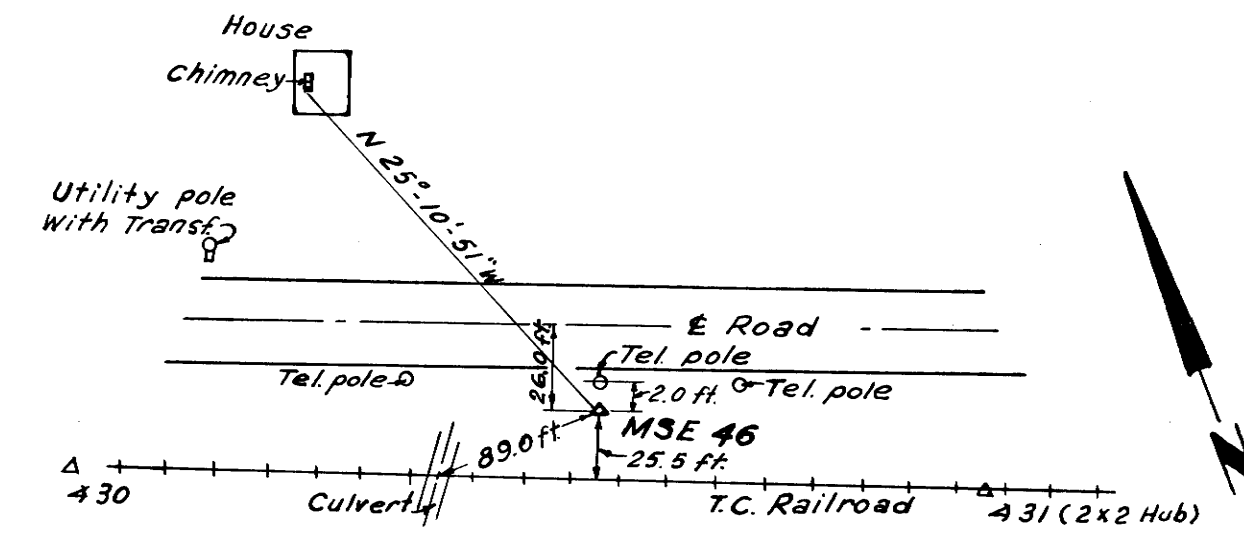
RIGHT OF WAY PLANS
STA 190+00 TO 220+00

STATE OF TENNESSEE
DEPARTMENT OF HIGHWAYS
AND PUBLIC WORKS
NASHVILLE

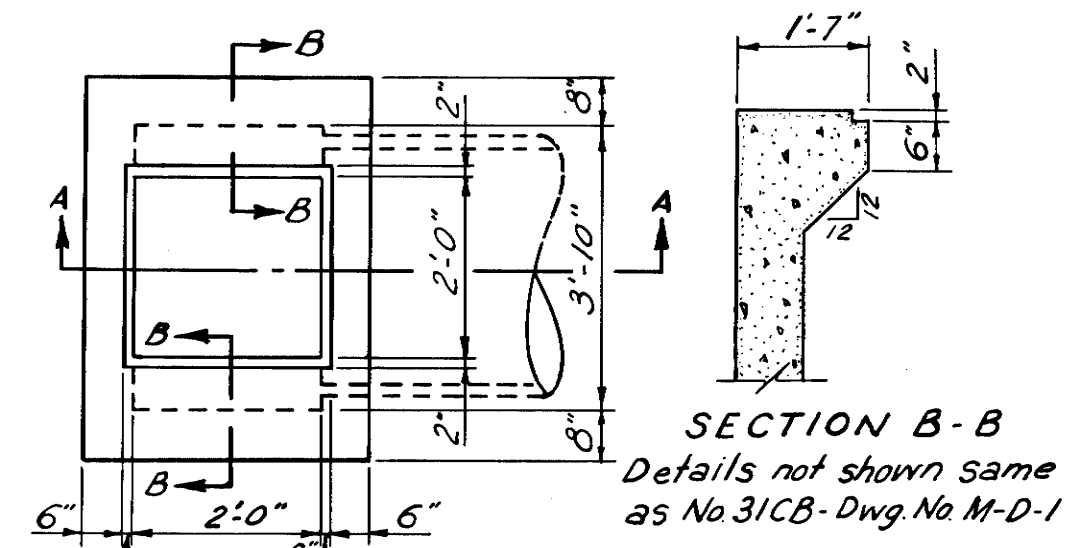
DR. R.W.R. DATE 10-8-57
CHK'D. M.L.S. 11-14-57
APP'D. F.E.B. 11-14-57

503-3-207 RO

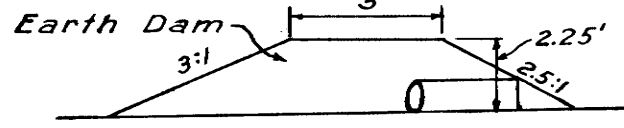
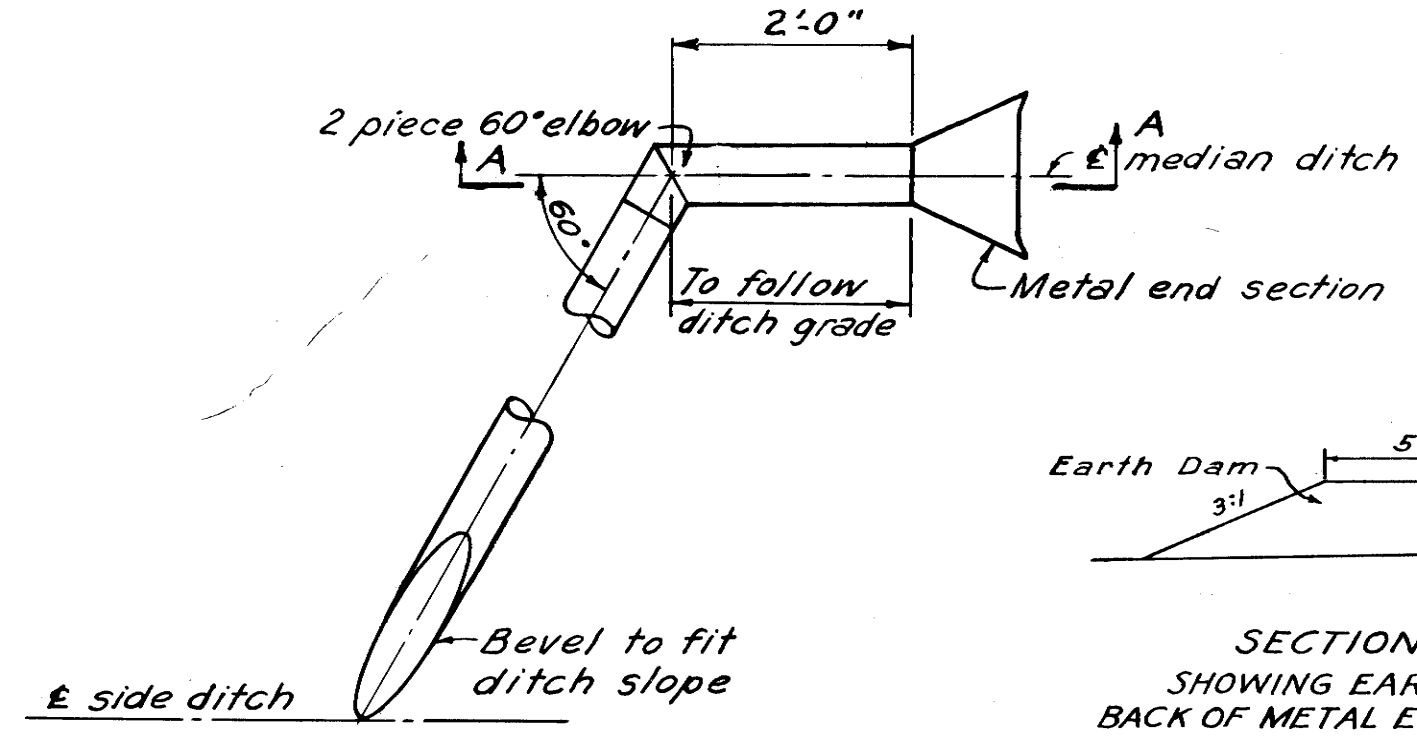
MID-SOUTH ENGINEERING CO.				
FED. ROAD DIST.	TENN.	FEDERAL AID PROJECT No.	FISCAL YEAR	TOTAL SHEETS
3	N	1-503 (15)	1958	18
FED. ROAD DIST.	TENN.	FEDERAL AID PROJECT No.	FISCAL YEAR	TOTAL SHEETS
3	N	1-503 (15)	1958	208



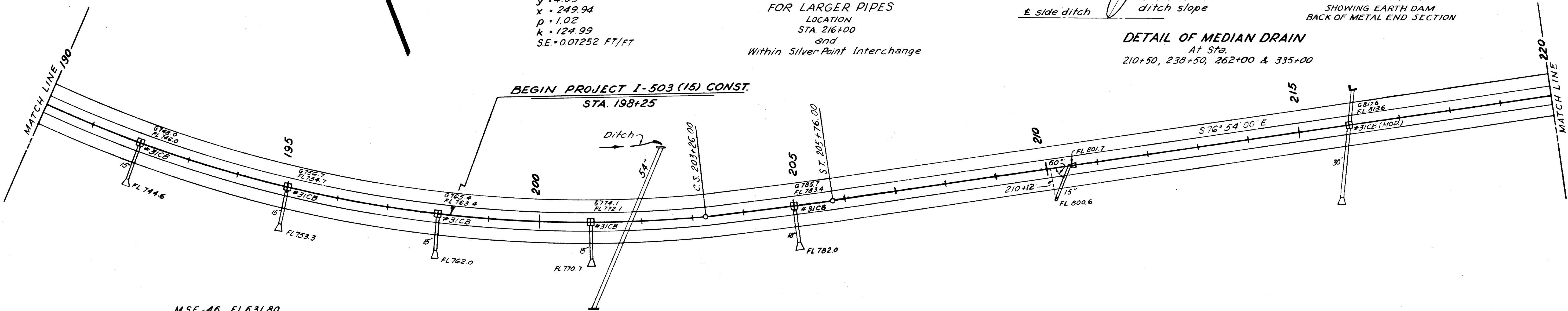
P1, 193+67.24
N-624, 186.18
E-2,068,466.07
 $\Delta = 52^\circ 54' 14''$
 $T_s = 1392.35$
 $\Delta c = 47^\circ 16' 30''$
 $D = 2^\circ 15'$
 $R = 2546.48$
 $L_c = 2101.11$
 $L_s = 250$
 $\theta_s = 2^\circ 48' 45''$
 $y = 4.09$
 $x = 249.94$
 $p = 1.02$
 $k = 124.99$
SE = 0.01252 FT/FT



SKETCH MODIFYING NO. 31CB
FOR LARGER PIPES
LOCATION
STA 216+00
and
Within Silver Point Interchange



DETAIL OF MEDIAN DRAIN
At Sta.
210+50, 238+50, 262+00 & 335+00



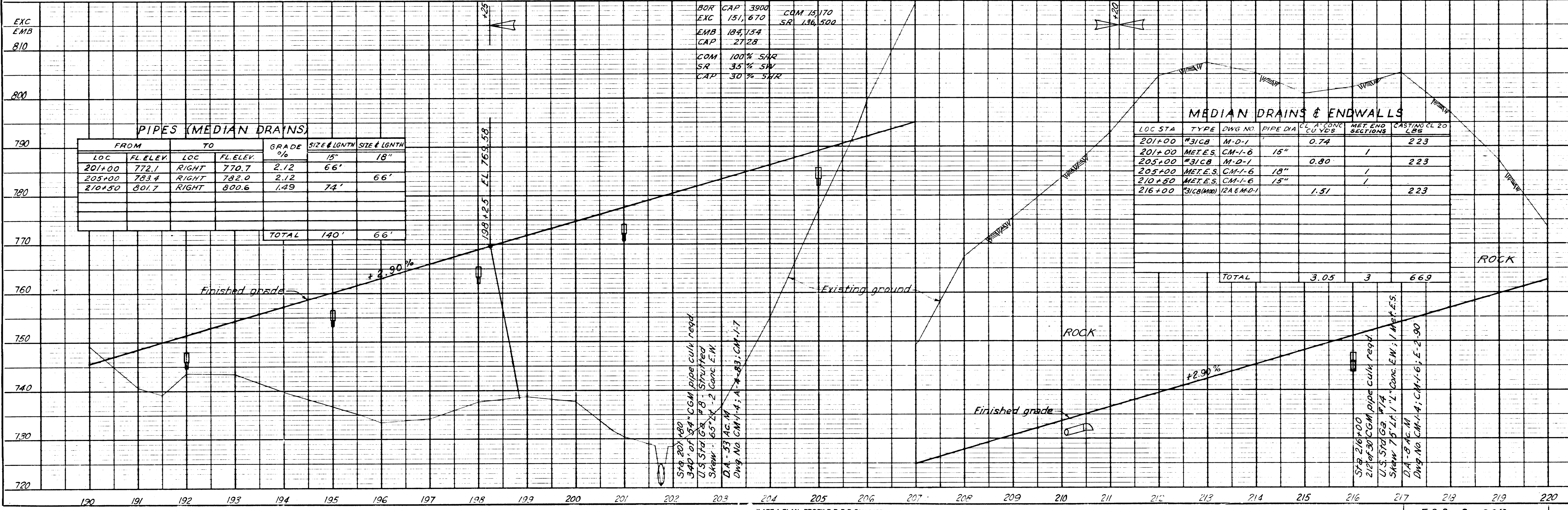
MSE-46 EL. 631.80
N-626, 987.63
E-2,066,542.94
305' Rt. sta 158+77±
Steel pin set flush

Work indicated back
of Sta. 198+25 not
included in 1-503 (15)

BOR	CAP	3900
EXC	151,670	COM 151,170
EMB	184,154	SR 136,500
CAP	2728	
COM	100% SAR	
SR	35% SW	
CAP	30% SW	

PIPES (MEDIAN DRAINS)					
FROM		TO		GRADE %	SIZE & LGTH
LOC	FL ELEV.	LOC	FL ELEV.		
201+00	772.1	RIGHT	770.7	2.12	15" 66'
205+00	783.4	RIGHT	782.0	2.12	66'
210+50	801.7	RIGHT	800.6	1.49	74'
TOTAL					140' 66'

MEDIAN DRAINS & ENDWALLS						
LOC STA	TYPE	DWG NO.	PIPE DIA.	CL A CONC CU YDS	MET END SECTIONS	CASTING CL 20 LBS
201+00	#31CB	M-D-1	15"	0.74	1	223
201+00	METES.	CM-1-6	15"		1	
205+00	#31CB	M-D-1	15"	0.80	1	223
205+00	METES.	CM-1-6	15"		1	
210+50	METES.	CM-1-6	15"		1	
216+00	#31CB (MOD)	12A END-1		1.51		223
TOTAL				3.05	3	669



Sta 201+00
340' of 34" CGM pipe culv reqd
US Std G. 18 - Shuffled
Skew - 65° 24' - 2 Conc E.W.
D.A. - 53 AC M
Dwg No. CM-1-4; A - 83; CM-1-7

Sta 216+00
212' of 30" CGM pipe culv reqd
US Std G. 14
Skew 75° 24' 1/2" Conc E.W.; 1 Met. E.S.
D.A. - 8 AC M
Dwg No. CM-1-4; CM-1-6; E-2-90

APPROVED

FED. ROAD DIST. NO.	T E N	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
3	N	I-40-G(22)271	1958	13	18

NOTE: THIS SHEET INCLUDED IN PROJECT I-40-G(22)271 FOR REFERENCE PURPOSES ONLY.

FED. ROAD DIST. NO.	T E N	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
3	N	I-503(12)	1958	13	18

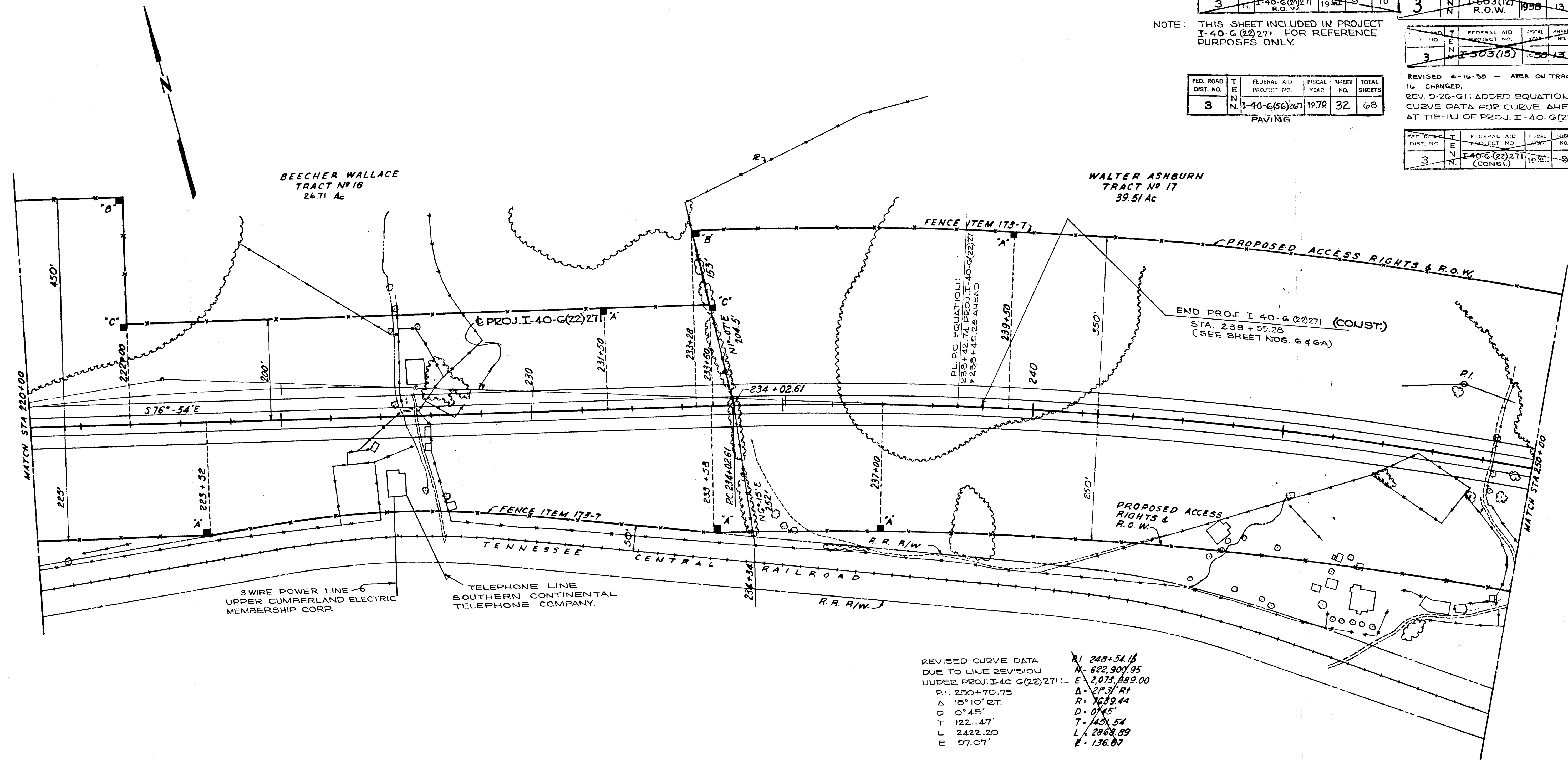
REVISED 4-16-58 - AREA ON TRACT NO. 16 CHANGED.
REV. 5-26-61: ADDED EQUATION AND CURVE DATA FOR CURVE AHEAD AT TIE-11U OF PROJ. I-40-G(22)271.

FED. ROAD DIST. NO.	T E N	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
3	N	I-503(15)	1958	13	208

FED. ROAD DIST. NO.	T E N	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
3	N	I-40-G(22)271 (CONST.)	1958	9	60

FED. ROAD DIST. NO.	T E N	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
3	N	I-40-G(56)267	1970	32	68

PAVING



REVISED CURVE DATA
DUE TO LINE REVISION
UNDER PROJ. I-40-G(22)271:

P.I. 250+70.75	R.I. 248+54.16
Δ 18°10'21"	M-622,900.95
D 0°45'	E-2,073,889.00
T 1221.47'	Δ 21°31'31"
L 2422.20	R-7689.44
E 97.07'	D-0°45'
	T-1431.54
	L-2868.69
	E-136.87

Scale 1"=100'

INTERSTATE ROUTE 503
PUTNAM COUNTY

MID-SOUTH ENGINEERING CO., INC.
820 BROADWAY, N. E. KNOXVILLE, TENNESSEE

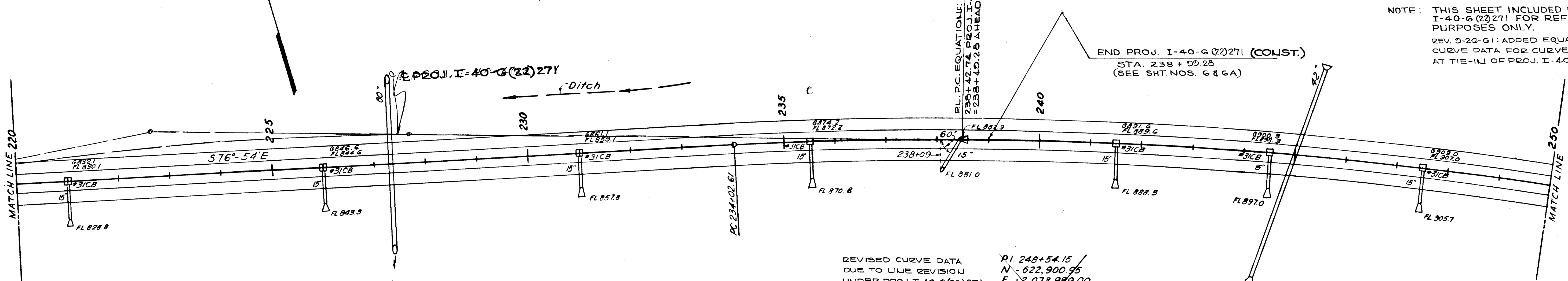
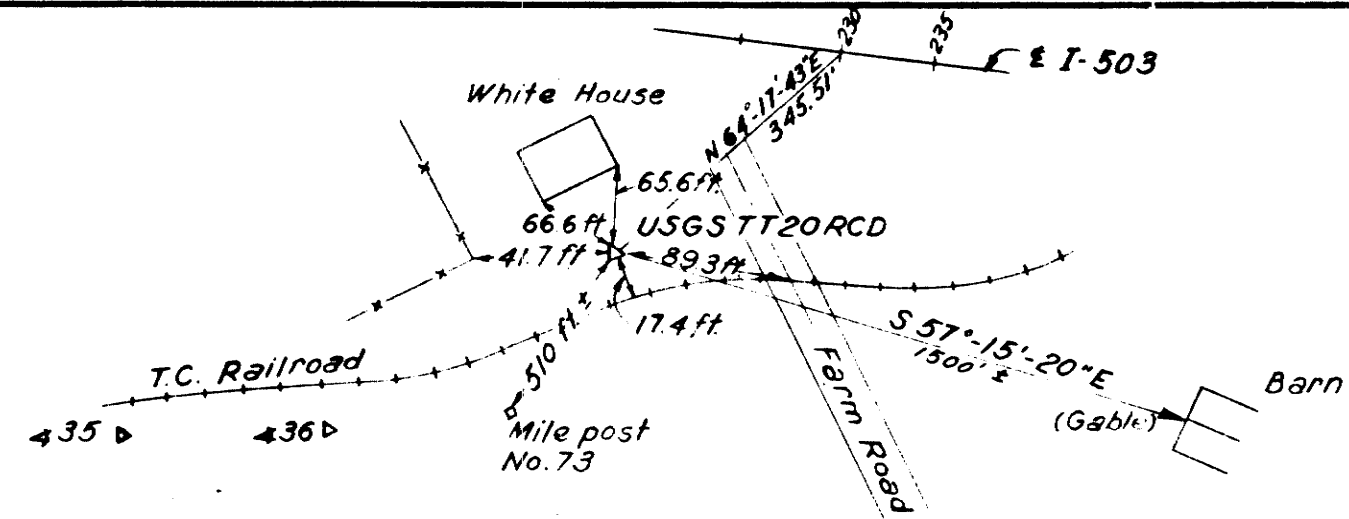
RIGHT OF WAY PLANS
STA 220+00 TO 250+00

STATE OF TENNESSEE
DEPARTMENT OF HIGHWAYS
AND PUBLIC WORKS
NASHVILLE

DR. R.W.P.	DATE 10-9-57	503-3-208 RO
CHK'D M.L.S.	11-14-57	
APP'D F.E.B.	11-14-57	

PLAN	SURVEYED	BY	DATE
	PLOTTED ALIGNMENT CHECKED RT OF WAY CHECKED		
NOTE BOOK			
NO.			

PROFILE		BY	DATE
	SURVEYED		
	PLOTTED		
	GRADES CHECKED		
	B.M.'s NOTED		
	STRUCTURE NOTATION'S CHKD		
NO.			



REVISED CURVE DATA
DUE TO LINE REVISION
UNDER PROJ. I-40-G(22)271

P.I. 250+70.73
Δ 18° 10' 21"
D 0° 45'
T 1221.47'
L 2422.20'
E 97.07'

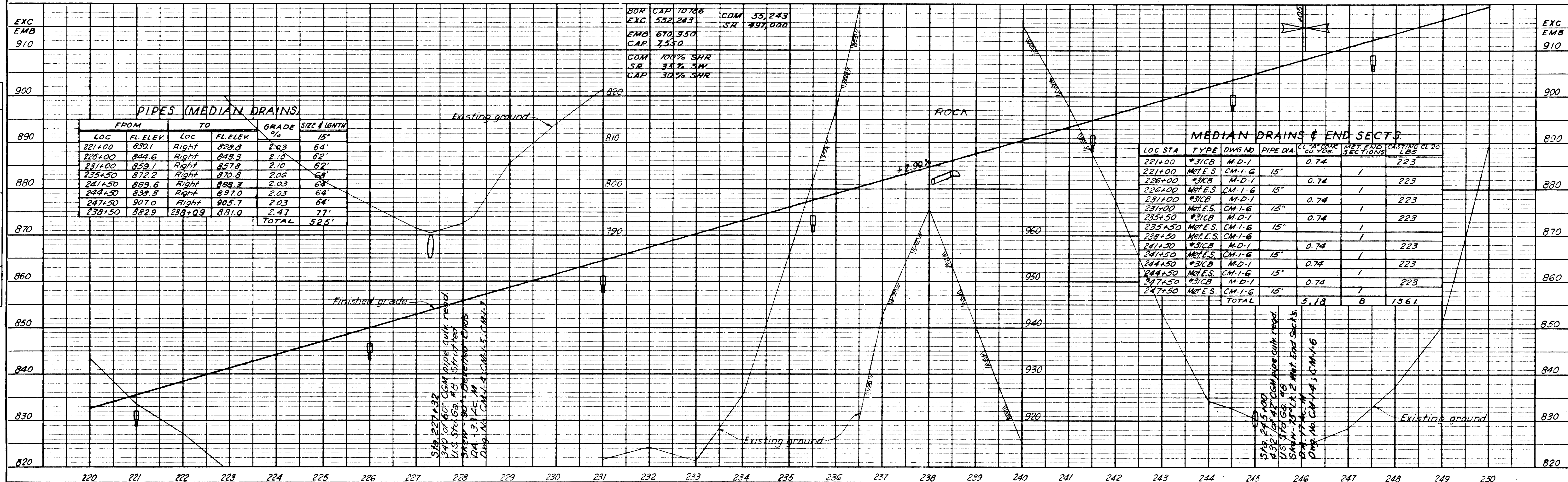
~~P.I. 248+54.15
 N - 622,900.95
 E - 2,073,939.00
 Δ = 21° 31' / R+
 D = 0° 45'
 R = 7639.44
 L = 2868.89
 T = 1451.54
 E = 136.37
 S.E. = 0.02418 FT/FT~~

USGTT 20 RCD EI. 774.61
N-623,171.34
E-2,071,871.78
216± Rt. sta. 227+35±
USGS monument

BOR	CAP	10766			
EXC	552,243		COM	55,243	
			SR	497,000	
EMB	670,950				
CAP	7350				
COM	100% SHR				
SR	35% SW				
CAP	30% SHR				

PIPES (MEDIAN DRAINS)					
FROM		TO		GRADE %	SIZE & LGTH
LOC	FL. ELEV	Loc	FL. ELEV		15'
221+00	830.1	Right	828.8	2.03	64'
226+00	844.6	Right	843.3	2.10	62'
231+00	859.1	Right	857.8	2.10	62'
235+50	872.2	Right	870.8	2.06	64'
241+50	889.6	Right	888.3	2.03	64'
244+50	898.3	Right	897.0	2.03	64'
247+50	907.0	Right	905.7	2.03	64'
238+50	852.9	238+Q9	881.0	2.47	77'
				TOTAL	525'

		MEDIAN DRAINS & END SECT'S							
LOC STA	TYPE	DWG NO	PIPE DIA	CURVE CL. %	NET END SECTIONS	CASTING CL 20' BS			
221+00	*3/1CB	M-D-1		0.74			223		
221+00	METE.S.	CM-1-G	15"		1				
226+00	*3/1CB	M-D-1		0.74			223		
226+00	METE.S.	CM-1-G	15"		1				
231+00	*3/1CB	M-D-1		0.74			223		
231+00	METE.S.	CM-1-G	15"		1				
235+50	*3/1CB	M-D-1		0.74			223		
235+50	METE.S.	CM-1-G	15"		1				
238+50	METE.S.	CM-1-G			1				
241+50	*3/1CB	M-D-1		0.74			223		
241+50	METE.S.	CM-1-G	15"		1				
244+50	*3/1CB	M-D-1		0.74			223		
244+50	METE.S.	CM-1-G	15"		1				
247+50	*3/1CB	M-D-1		0.74			223		
247+50	METE.S.	CM-1-G	15"		1				
TOTAL				5.18	8		1561		



FED. ROAD DIST. NO.	T	FEDERAL AID PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
3	N	I-40-6(59)207	1958	34	68

PAVING

FED. ROAD DIST. NO.	T	FEDERAL AID PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
3	N	I-503(12)	1958	15	18

FED. ROAD DIST. NO.	T	FEDERAL AID PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
3	N	I-503(15)	1958	15	208

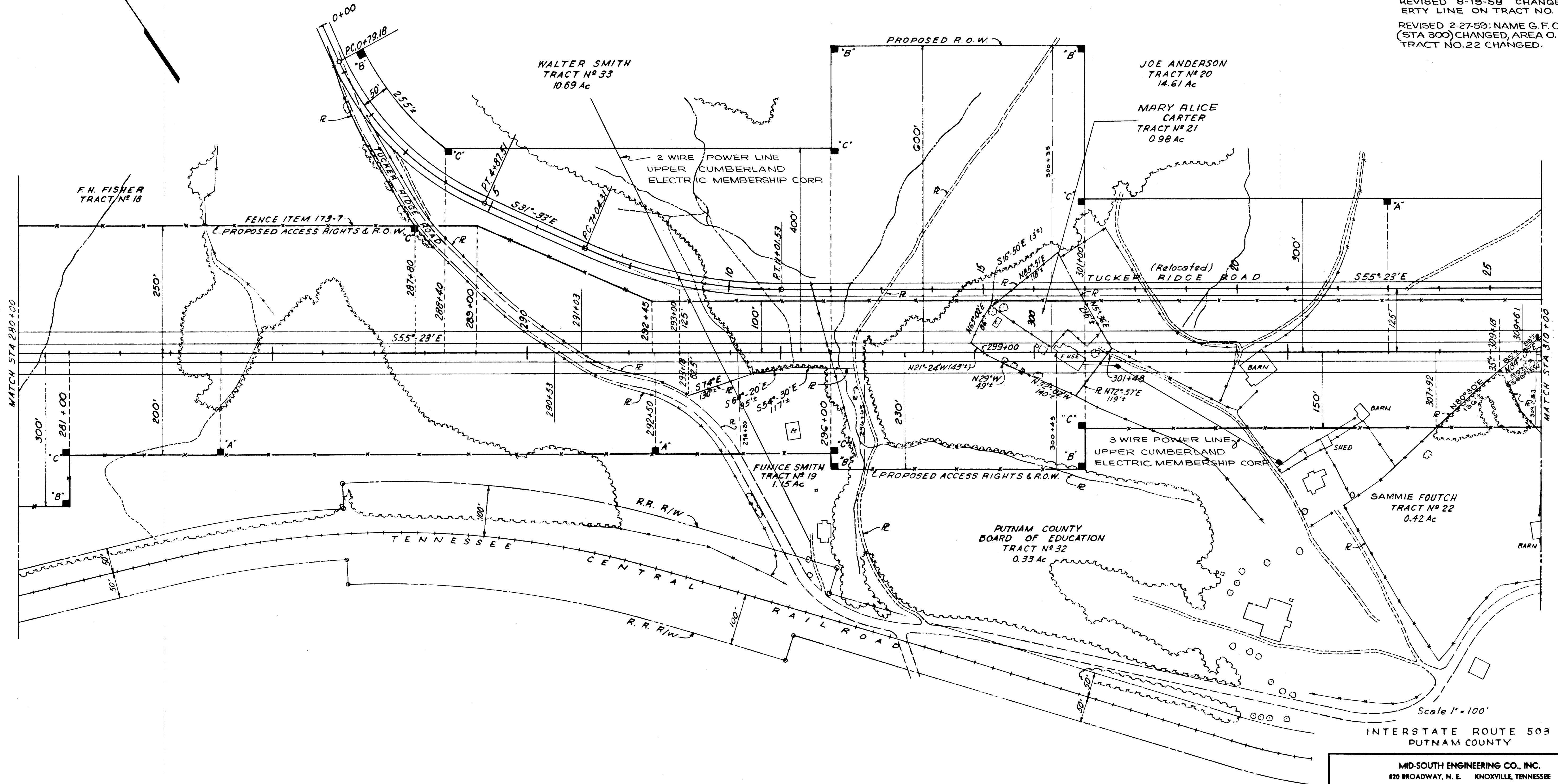
REVISED 4-16-58 - LOCATION OF POINTS WHERE PROP. ACCESS RTS. LINE CROSSES R'S WERE ADDED

REVISED 8-19-58 CHANGED PROPERTY LINE ON TRACT NO. 22.

REVISED 2-27-59: NAME G. F. CARTER (STA 300) CHANGED, AREA 0.59 AC. TRACT NO. 22 CHANGED.

TUCKER RIDGE ROAD

PI. = 2+92.45 PI. = 9+05.84
Δ = 40°50' Lt Δ = 23°50' Lt
D = 10" D = 6"
R = 572.96 R = 954.93
T = 213.27 T = 201.53
L = 408.33 L = 397.22



Scale 1" = 100'

INTERSTATE ROUTE 503
PUTNAM COUNTY

MID-SOUTH ENGINEERING CO., INC.
820 BROADWAY, N. E. KNOXVILLE, TENNESSEE

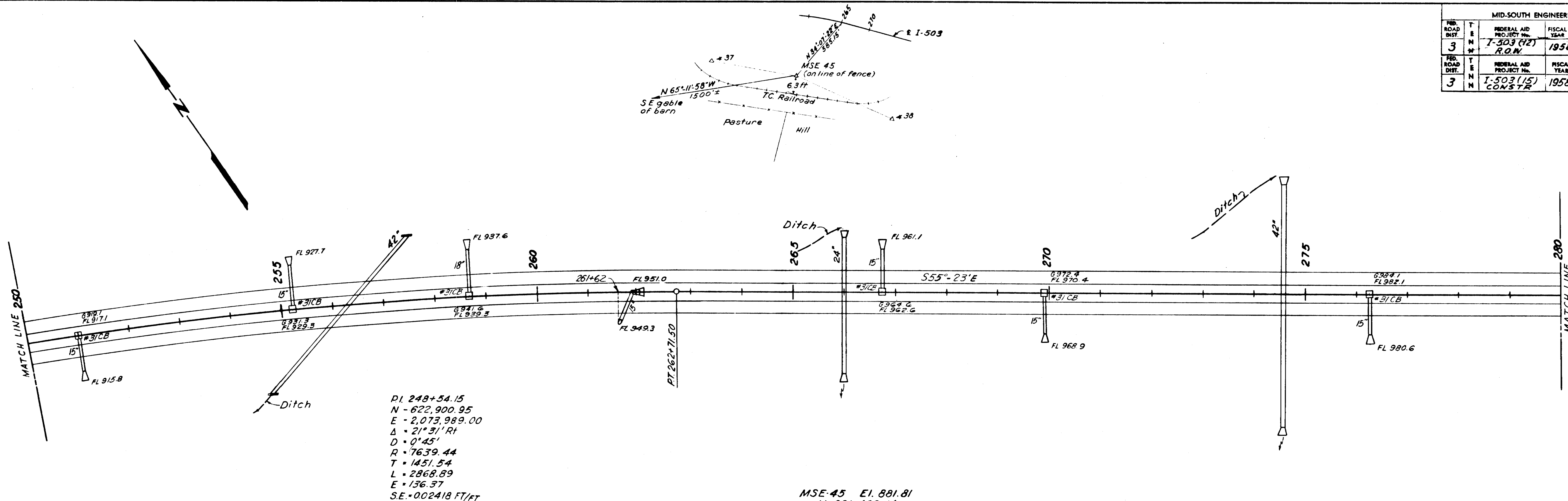
RIGHT OF WAY PLANS
STA 280+00 TO 310+00

STATE OF TENNESSEE
DEPARTMENT OF HIGHWAYS
AND PUBLIC WORKS
NASHVILLE

DR. R.W.R.	DATE	503-3-210 Ro
CHK'D M.L.S.	10-9-57	
APP'D F.C.B.	11-14-57	

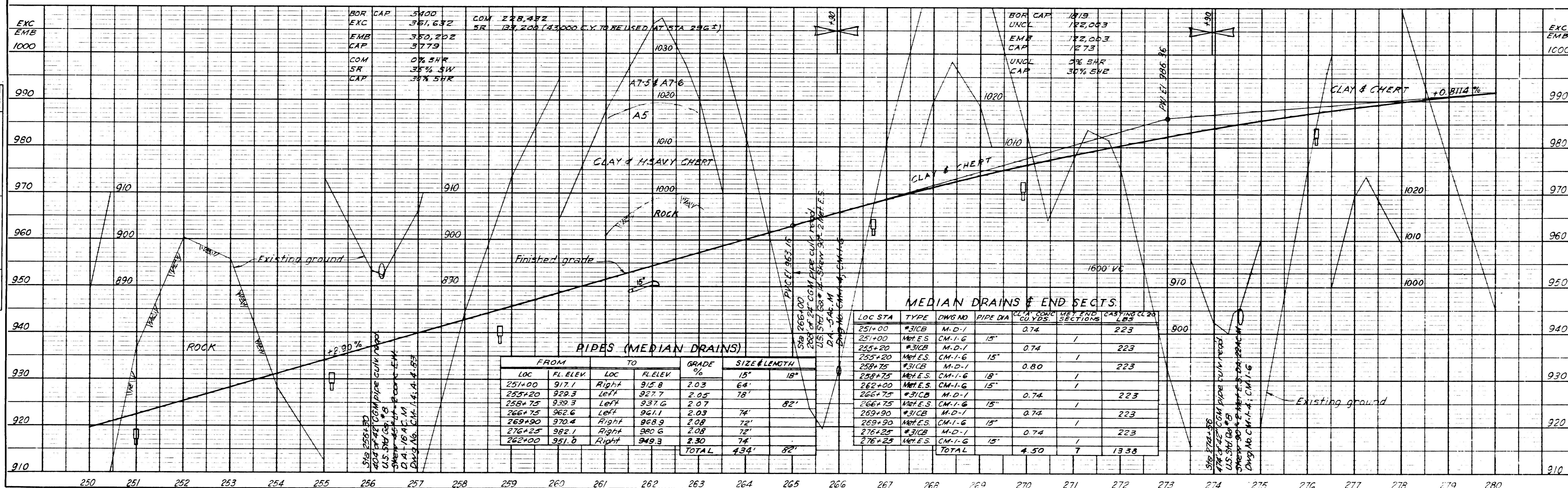
MID-SOUTH ENGINEERING CO.					
FED. ROAD DIST.	T E N	FEDERAL AID PROJECT No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
3	N	I-503 (42) R.O.N.	1958	74-A	16
FED. ROAD DIST.	T E N	FEDERAL AID PROJECT No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
3	N	I-503 (15) CONST.	1958	14 A	20

PLAN	SURVEYED		BY	DATE
	NOTE BOOK	PLOTTED _____ ALIGNMENT CHECKED _____ RT. OF WAY CHECKED _____		
NO.				

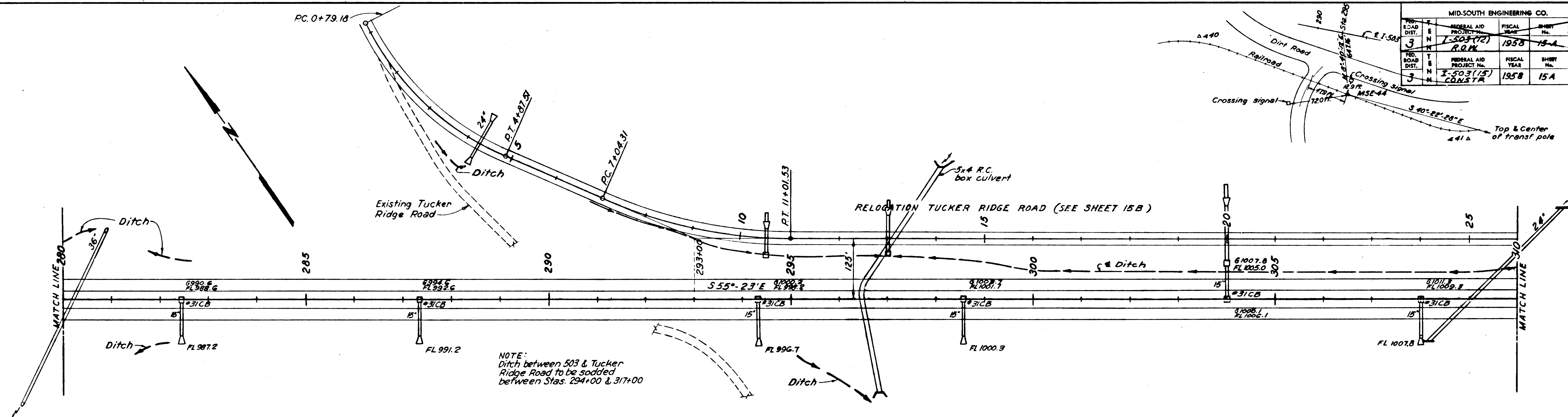


P1. 248+54.15
N - 622,900.95
E - 2,073,989.00
 $\Delta = 21^{\circ}31' Rt$
D = $0^{\circ}45'$
R = 7639.44
T = 1451.54
L = 2868.89
E = 136.37
S.E. = 002418 FT/FT

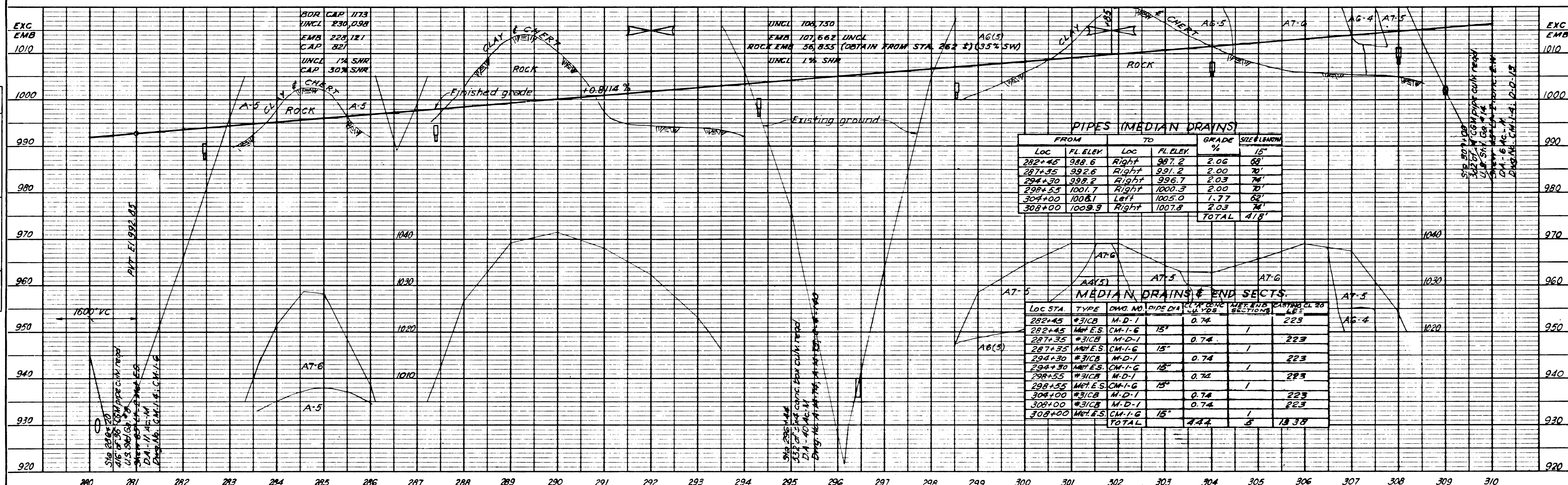
MSE: 45 E1. 881.81
N-621, 462.14
E-2, 075, 043.37
585* Rt. sta. 265+00±
Steel pin set flush



MID-SOUTH ENGINEERING CO.					
FED. ROAD DIST.	FED. ROAD DIST.	FED. ROAD DIST.	FED. ROAD DIST.	FED. ROAD DIST.	FED. ROAD DIST.
3	3	3	3	3	3
1-503(12)	1-503(12)	1-503(12)	1-503(12)	1-503(12)	1-503(12)
1958	1958	1958	1958	1958	1958
15-4	15-4	15-4	15-4	15-4	15-4
18	18	18	18	18	18
3	3	3	3	3	3
1-503(15)	1-503(15)	1-503(15)	1-503(15)	1-503(15)	1-503(15)
1958	1958	1958	1958	1958	1958
15A	15A	15A	15A	15A	15A
208	208	208	208	208	208

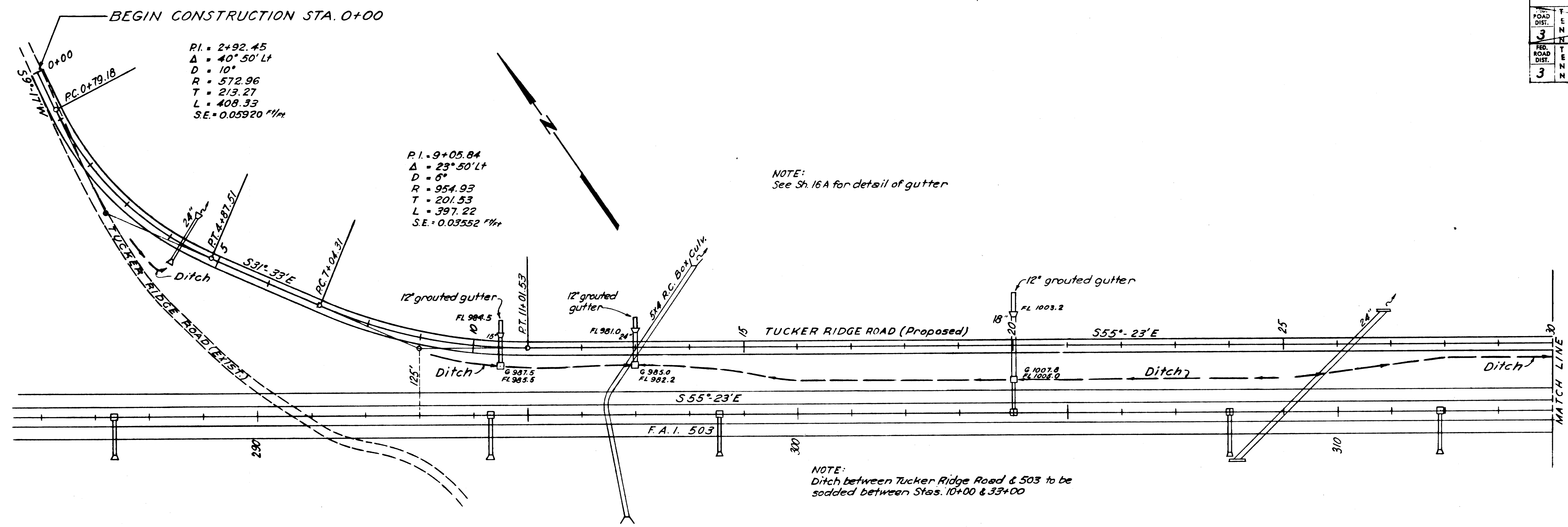


MSE-44 EI. 980.66
N-619,602.65
E-2,077,742.24
580± Rt. sta. 297+60±
Steel pin set flush



MID-SOUTH ENGINEERING CO.					
FED. ROAD DIST.	TENN.	FEDERAL AID PROJECT No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
3	N	I-503 (12) R.O.W.	1958	15-B	18
FED. ROAD DIST.	TENN.	FEDERAL AID PROJECT No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
3	N	I-503 (15) CONST.	1958	15-B	208

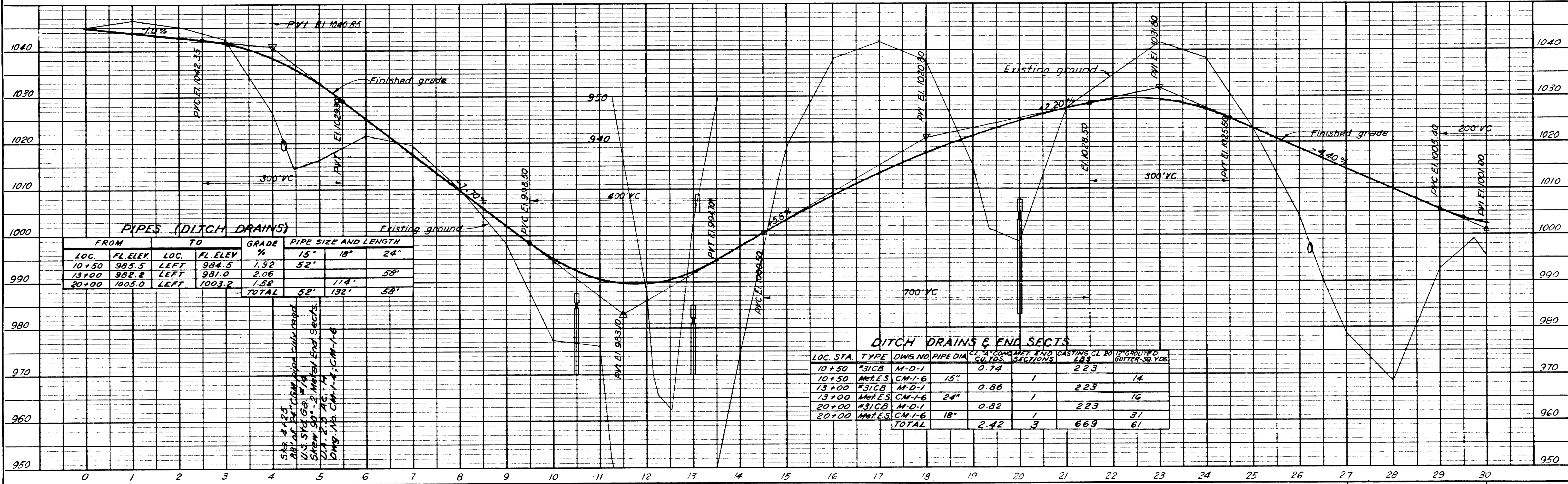
PLAN	DATE	BY	DATE	BY
DATE				
BY				
SURVEYED				
PLOTTED				
ALIGNED CHECKED				
RT. OF WAY CHECKED				
NOTE BOOK				
NO.				



GRADING QUANTITIES INCLUDED IN BALANCES OF I-503

PROPOSED RELOCATION OF TUCKER RIDGE ROAD

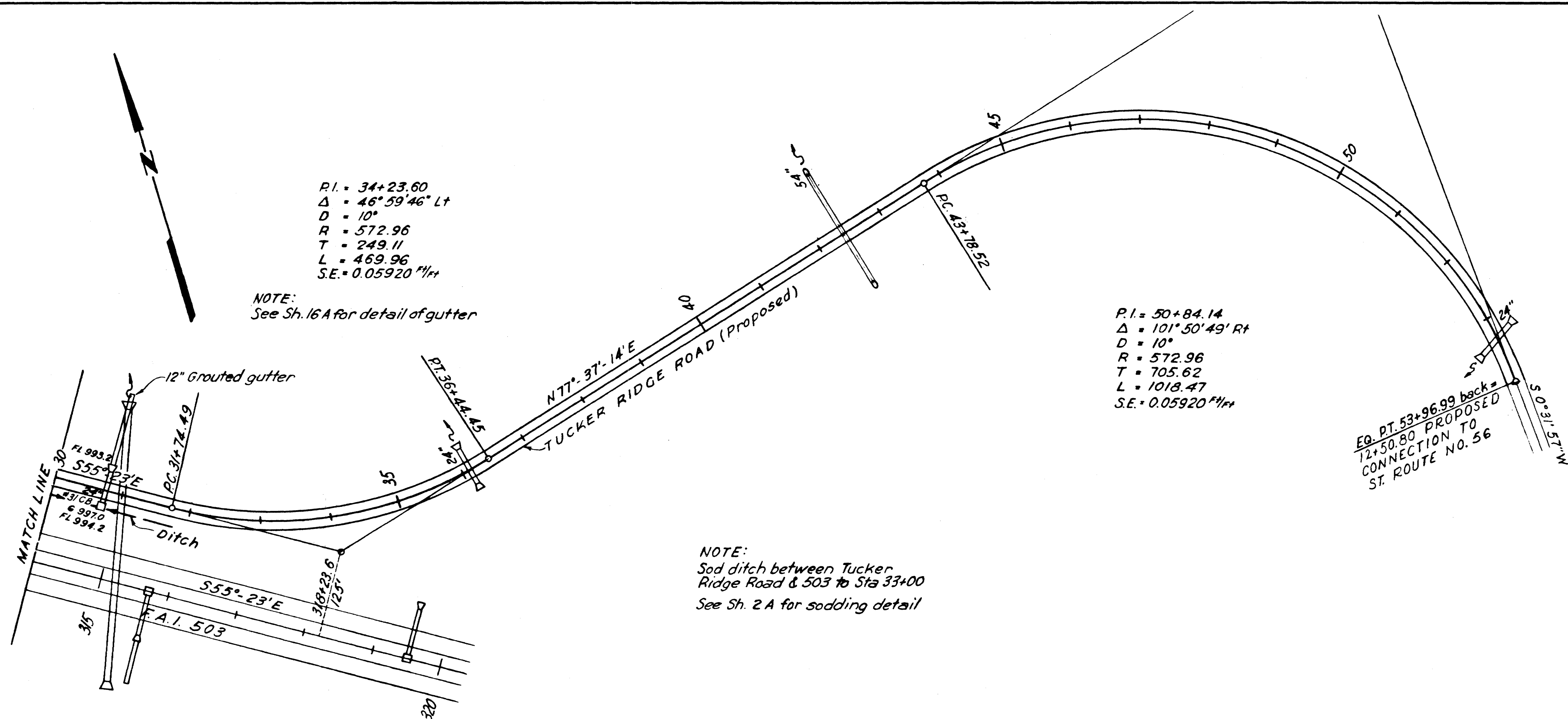
PROFILE	DATE	BY	DATE	BY
DATE				
BY				
SURVEYED				
PLOTTED				
GRADES CHECKED				
E.M.S. NOTED				
STRUCTURE NOTATION CHD				
NOTE BOOK				
NO.				



MID-SOUTH ENGINEERING CO.				
FED. ROAD DIST.	FEDERAL AID PROJECT No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
3	1-503 (72) R.Q.W.	1958	15-C	18

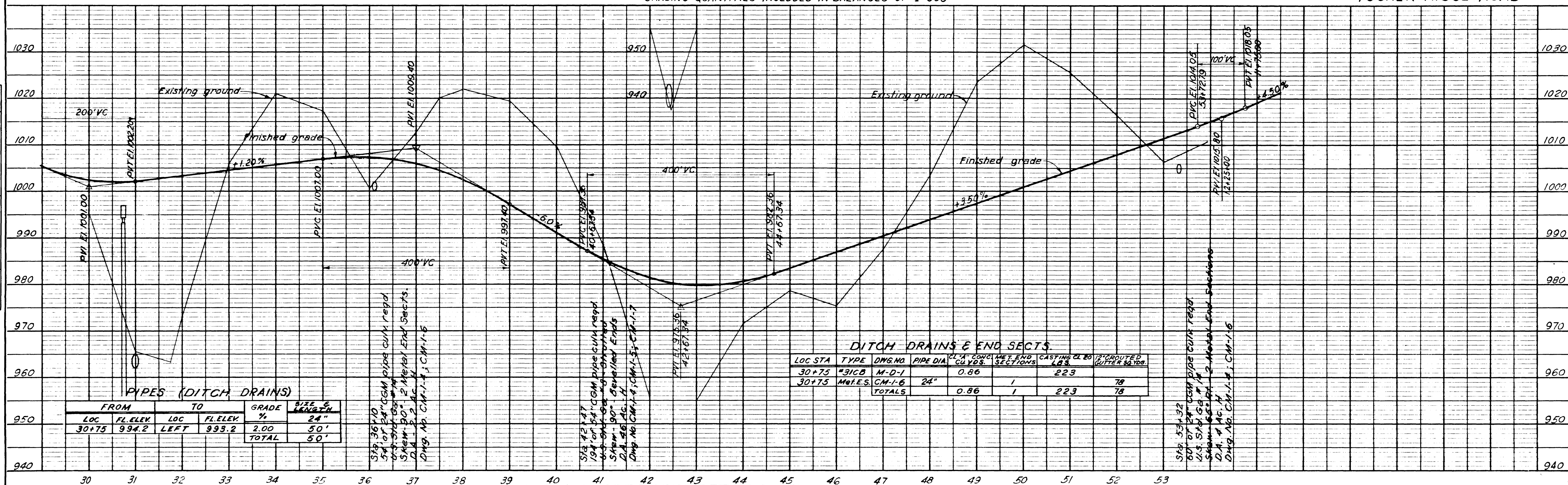
FED. ROAD DIST.	FEDERAL AID PROJECT No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
3	1-503 (15) CONST.	1958	15C	208

PLAN	BY		DATE
NOTE BOOK	SURVEYED		
	PLOTTED		
	ALIGNMENT CHECKED		
NO.	RT. OF WAY CHECKED		



GRADING QUANTITIES INCLUDED IN BALANCES OF I-503

PROPOSED RELOCATION OF
TUCKER RIDGE ROAD



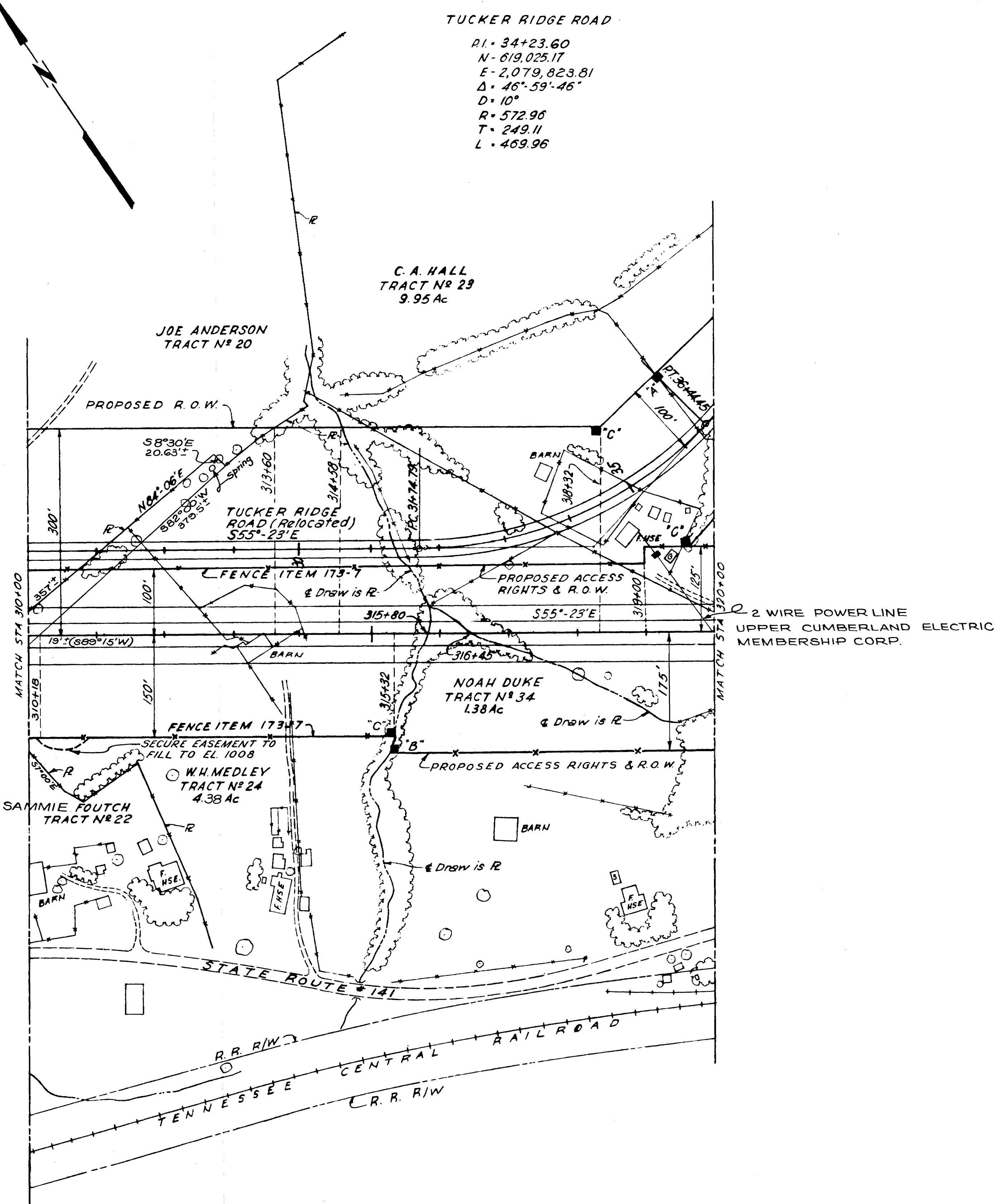
FED. ROAD DIST. NO.	T	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
3	N	I-40-6(56)267	1970	35	68

FED. ROAD DIST. NO.	T	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
3	N	I-503(12) R.O.W.	1958	16	18

REVISED 12-4-57: P.I. COORDINATE CHANGED.
REVISED 2-4-58 R.O.W. ON TRACT NO 34 CHANGED TO 175'

FED. ROAD DIST. NO.	T	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
3	N	I-503(15)	1958	16	208

REVISED 8-19-58: CHANGED PROPERTY LINE AND ACREAGE ON TRACT NO. 24.

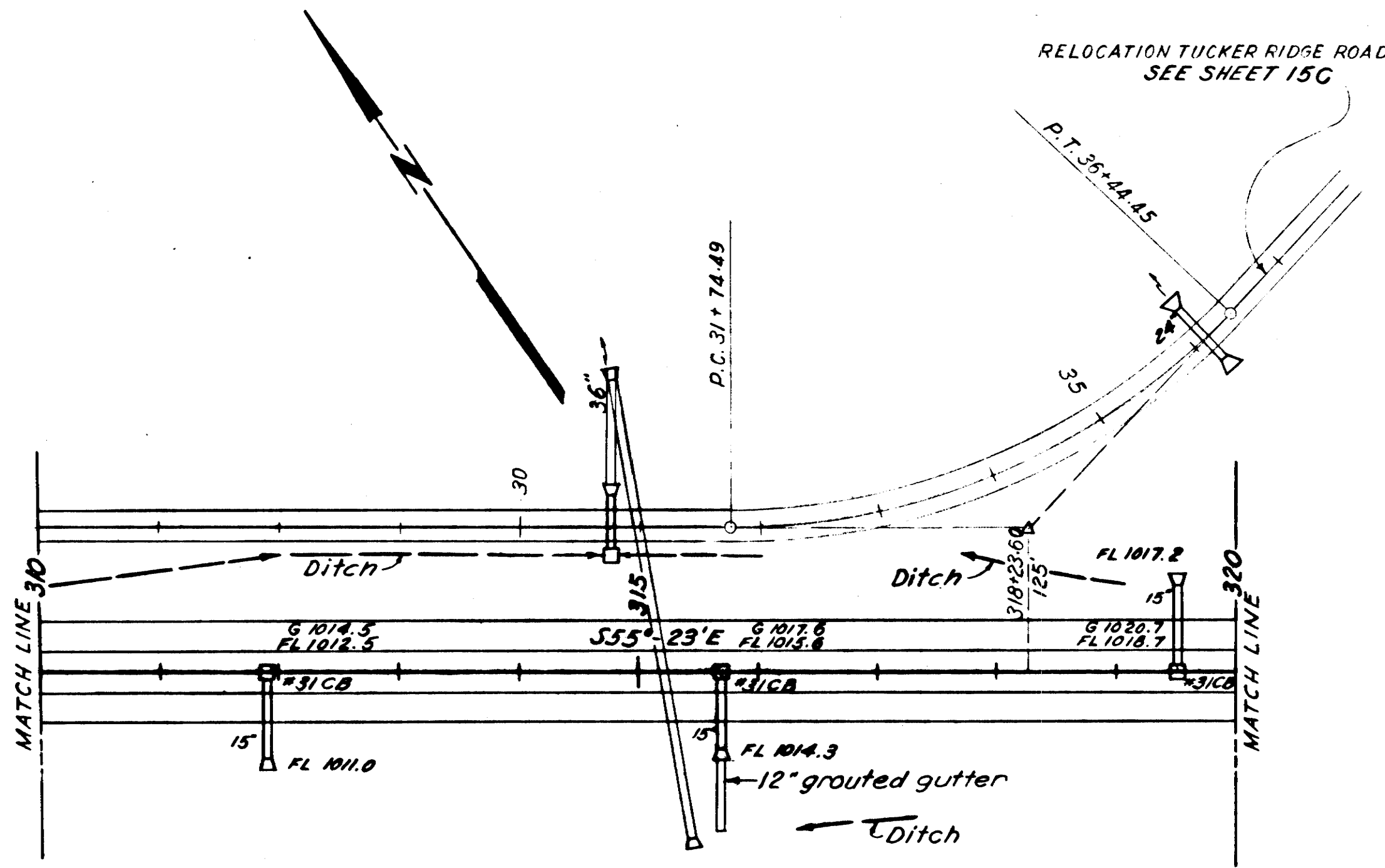


Scale 1" = 100'
INTERSTATE ROUTE 503
PUTNAM COUNTY

MID-SOUTH ENGINEERING CO., INC. 820 BROADWAY, N. E. KNOXVILLE, TENNESSEE	
RIGHT OF WAY PLANS STA 310+00 TO 320+00	
STATE OF TENNESSEE DEPARTMENT OF HIGHWAYS AND PUBLIC WORKS NASHVILLE	
DR. R.W.P. CHK'D. M.L.S. APP'D. F.E.B.	DATE 10-10-57 11-14-57 11-14-57 503-3-211 R2

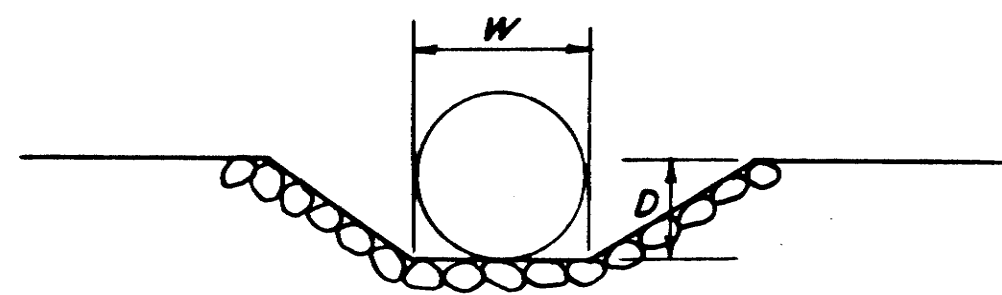
MID-SOUTH ENGINEERING CO.					
FED. ROAD DIST.	T E N N	FEDERAL AID PROJECT No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
3	N	I-503 (72) R.O.W.	1958	16-A	18
FED. ROAD DIST.	T E N N	FEDERAL AID PROJECT No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
3	N	I-503 (15) Const.	1958	16-A	208
I-503-6(2) 271					

PLAN	DATE
SWITCHED	
PLOTTED	
ALIGNED	
CHECKED	
BY	
NOTE BOOK	
NO	



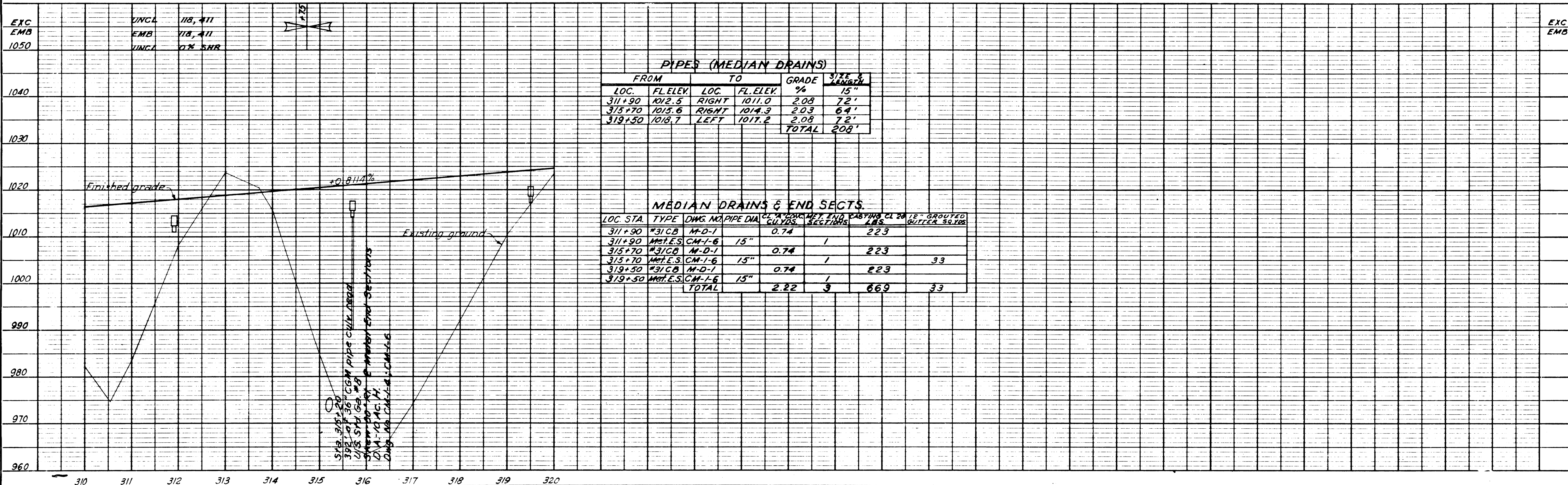
NOTE:
Flare upper end of gutter
to fit metal end section

$W = \text{Pipe Dia.} + 6"$
 $D = \frac{\text{Pipe Dia.} + 3"}{2}$



DETAIL OF 12" GROUTED RUBBLE GUTTER

PROFILE	DATE
SWITCHED	
PLOTTED	
GRADES CHECKED	
BY	
NOTE BOOK	
NO	



PIPES (MEDIAN DRAINS)					
FROM		TO		GRADE	SIZE & LENGTH
LOC.	FL.ELEV.	LOC.	FL.ELEV.	%	15"
311+90	1012.5	RIGHT	1011.0	2.08	72'
315+70	1015.6	RIGHT	1014.3	2.03	64'
319+50	1018.7	LEFT	1017.2	2.08	72'
TOTAL					208'

MEDIAN DRAINS & END SECT'S					
LOC. STA.	TYPE	DWG. NO.	PIPE DIA.	CL. TO CURB MET. END CASTING CL. 20' 15" GROUTED GUTTER 50.125	AREA
311+90	*31CB	M-D-1		0.74	223
311+90	Met.E.S.	CM-1-6	15"		
315+70	*31CB	M-D-1		0.74	223
315+70	Met.E.S.	CM-1-6	15"		
319+50	*31CB	M-D-1		0.74	223
319+50	Met.E.S.	CM-1-6	15"		
TOTAL				2.22	669

TRAFFIC DATA - 1975
D. H. V.

FED. ROAD DIST. NO.	T	E	N	PROJECT NO.	SHEET NO.	TOTAL SHEETS
3				I-40-6(56)267	70	36

FED. ROAD DIST. NO.	T	E	N	PROJECT NO.	SHEET NO.	TOTAL SHEETS
3				I-503(12) R.O.W.	1958	17

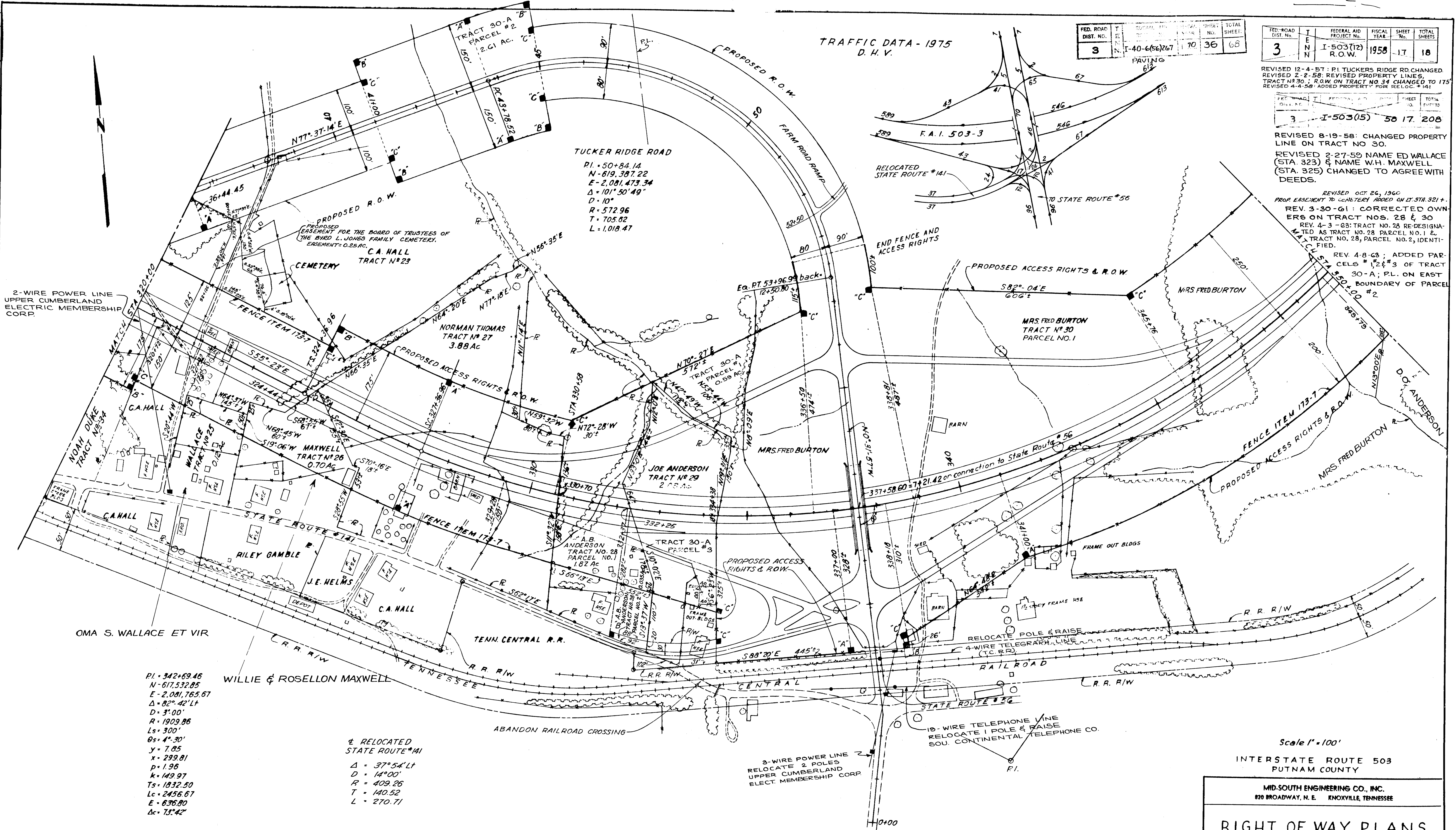
REVISED 12-4-57: P1 TUCKERS RIDGE RD. CHANGED.
REVISED 2-2-58: REVISED PROPERTY LINES.
TRACT NO. 30; R.O.W. ON TRACT NO. 34 CHANGED TO 175'
REVISED 4-4-58: ADDED PROPERTY FOR RELOC. #141

FED. ROAD DIST. NO.	T	E	N	PROJECT NO.	SHEET NO.	TOTAL SHEETS
3				I-503(15)	50	17

REVISED 8-19-58: CHANGED PROPERTY LINE ON TRACT NO. 30.
REVISED 2-27-59: NAME ED WALLACE (STA. 323) & NAME W.H. MAXWELL (STA. 325) CHANGED TO AGREE WITH DEEDS.

REVISED OCT. 26, 1960
PROP. EASEMENT TO CEMETERY ADDED ON LT. STA. 321+.
REV. 3-30-61: CORRECTED OWNERS ON TRACT NOS. 28 & 30.
REV. 4-3-63: TRACT NO. 28, REDESIGNATED AS TRACT NO. 28, PARCEL NO. 1 & TRACT NO. 28, PARCEL NO. 2, IDENTIFIED.

REV. 4-8-63: ADDED PARCELS #1, 2 & 3 OF TRACT NO. 30-A; P.L. ON EAST BOUNDARY OF PARCEL NO. 2.



PI. 342+69.46
N-617.532.85
E-2,081,765.67
Δ-82° 42' Lt
D-3' 00'
R-1909.86
Ls-300'
Os-4' 30'
y-7.85
x-299.81
p-1.96
k-149.97
Ts-1832.50
Lc-2456.67
E-636.80
Δc-73.42'

RELOCATED
STATE ROUTE #141
Δ-37° 54' Lt
D-14' 00'
R-409.26
T-140.52
L-270.71

Scale 1" = 100'

INTERSTATE ROUTE 503
PUTNAM COUNTY

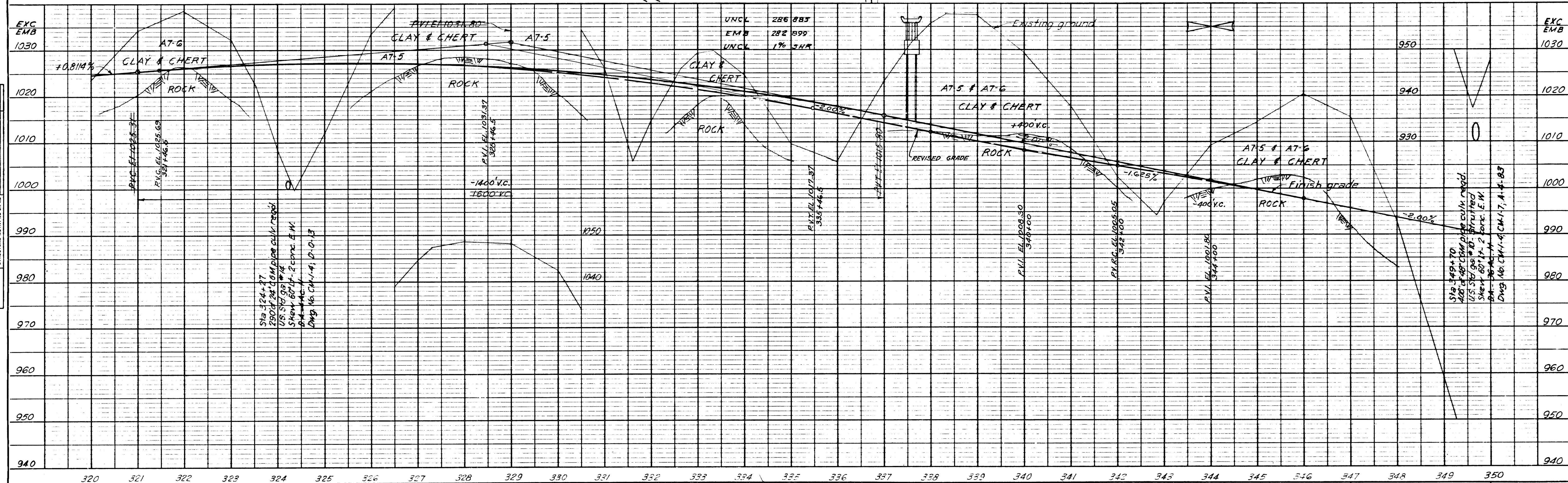
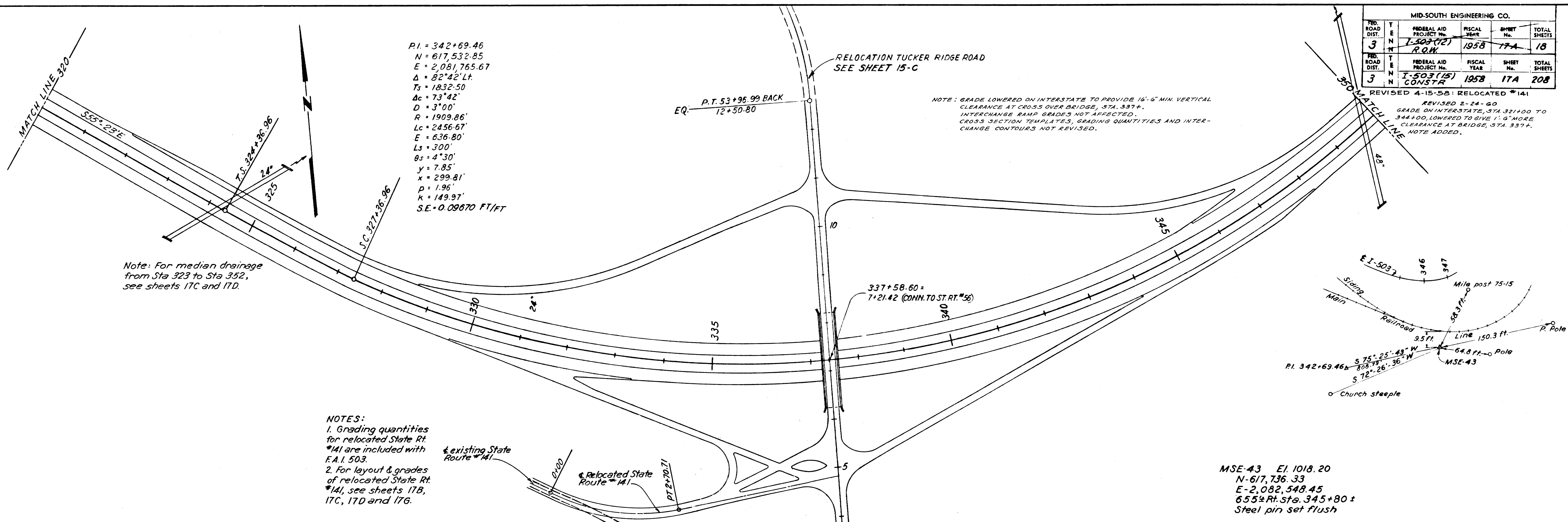
MID-SOUTH ENGINEERING CO., INC.
820 BROADWAY, N. E. KNOXVILLE, TENNESSEE

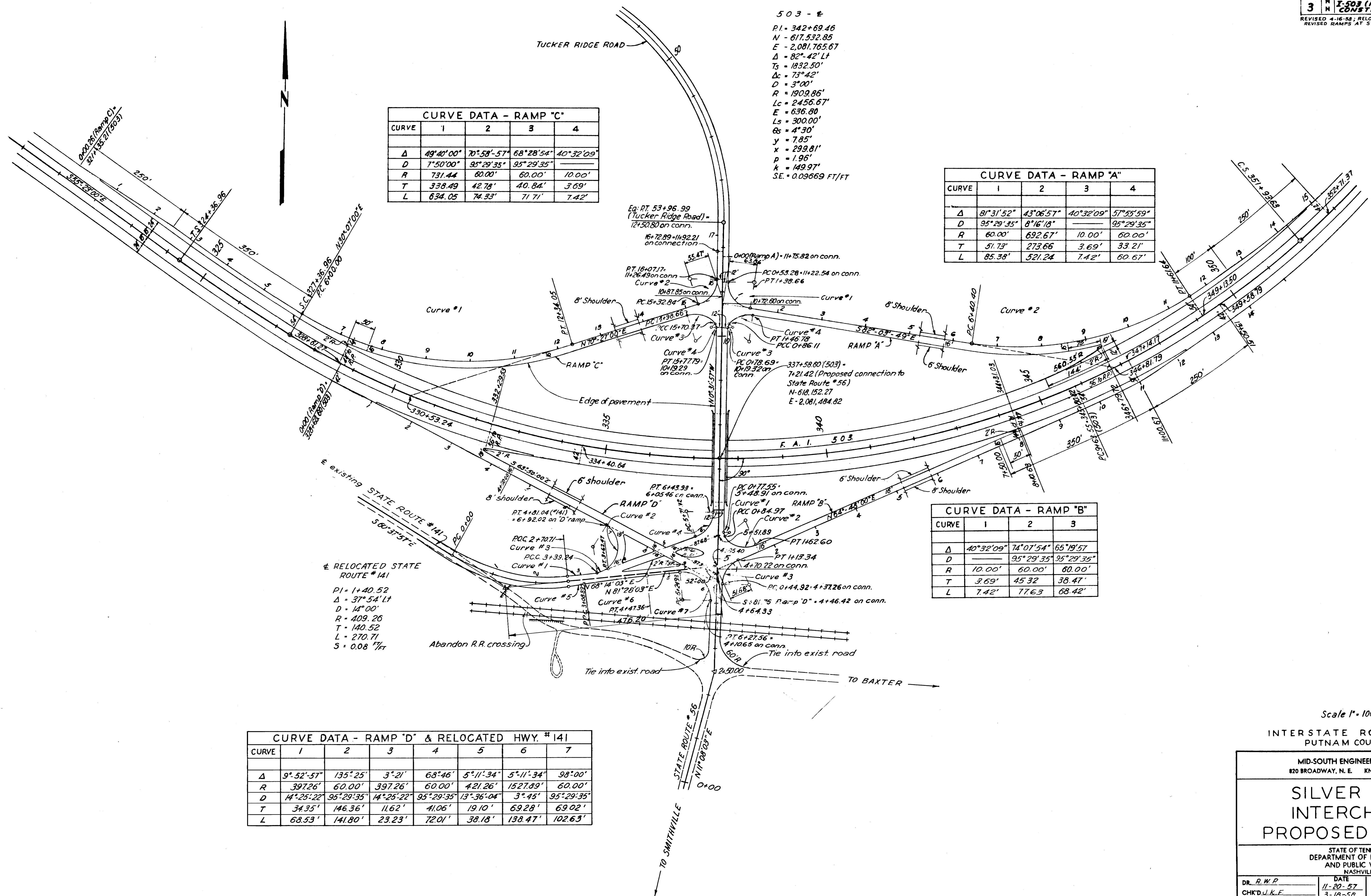
RIGHT OF WAY PLANS STA 320+00 TO 350+00

STATE OF TENNESSEE
DEPARTMENT OF HIGHWAYS
AND PUBLIC WORKS
NASHVILLE

DR. R.W.P.	DATE	503-3-212 R3
CHK'D. M.L.S.	10-10-57	
APP'D. E.E.B.	11-14-57	

PROFILE		BY	DATE
SUNWEYED			
PLOTTED			
GRADES CHECKED			
B.M.'s NOTED			
STRUCTURE NOTATIONS CHECKED			
NO.			





Scale 1" = 100'
INTERSTATE ROUTE 503
PUTNAM COUNTY

MID-SOUTH ENGINEERING CO., INC.
820 BROADWAY, N. E. KNOXVILLE, TENNESSEE

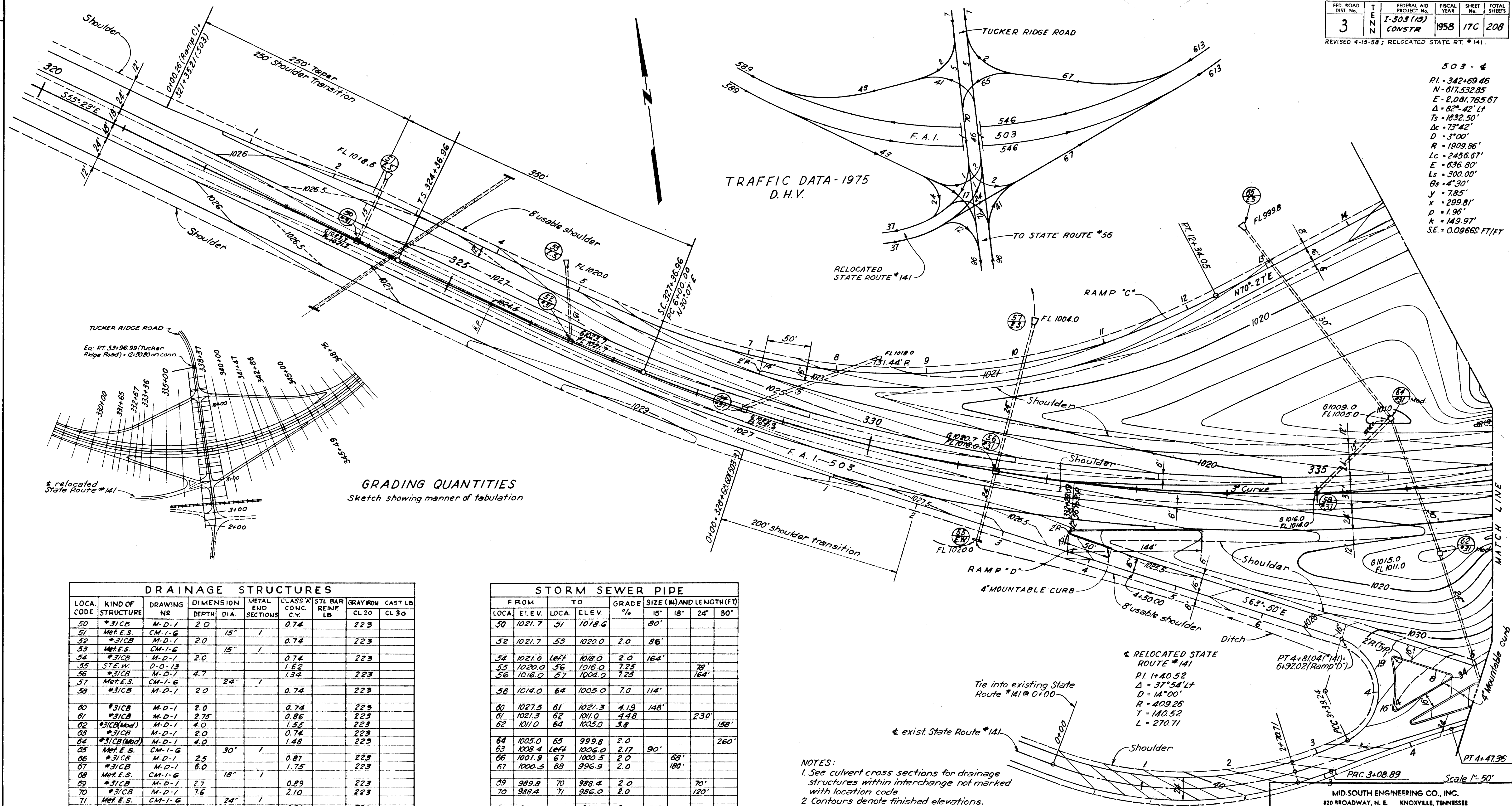
SILVER POINT INTERCHANGE PROPOSED LAYOUT

STATE OF TENNESSEE
DEPARTMENT OF HIGHWAYS AND PUBLIC WORKS
NASHVILLE

DR. R.W.P. DATE 11-20-57
CHK'D J.K.F. 3-18-58
APP'D J.K.F. 3-20-58

503-3-407 RI

503 - 4
PI = 342+69.46
N = 617,532.85
E = 2,081,765.67
Δ = 82° 42' Lt
Ts = 1832.50'
Δc = 73° 42'
D = 3° 00'
R = 1909.86'
Lc = 2456.67'
E = 636.80'
Ls = 300.00'
Bs = 4° 30'
Y = 7.85'
X = 299.81'
P = 1.96'
K = 149.97'
SE = 0.09665 FT/FT



DRAINAGE STRUCTURES									
LOCA. CODE	KIND OF STRUCTURE	DRAWING NO.	DIMENSION	METAL END SECTIONS	CLASS A CONC. C.Y.	STL BAR REINF. LB	GRAY IRON CL 20	CAST LB CL 30	
50	*31CB	M-D-1	2.0	15"	0.74		223		
51	Met.E.S.	CM-1-G							
52	*31CB	M-D-1	2.0	15"	0.74		223		
53	Met.E.S.	CM-1-G							
54	*31CB	M-D-1	2.0	15"	0.74		223		
55	ST E.W.	D-O-13			1.62				
56	*31CB	M-D-1	4.7	24"	1.34		223		
57	Met.E.S.	CM-1-G							
58	*31CB	M-D-1	2.0	15"	0.74		223		
60	*31CB	M-D-1	2.0	15"	0.74		223		
61	*31CB	M-D-1	2.75	15"	0.86		223		
62	*31CB(Mod)	M-D-1	4.0	24"	1.55		223		
63	*31CB	M-D-1	2.0	15"	0.74		223		
64	*31CB(Mod)	M-D-1	4.0	24"	1.48		223		
65	Met.E.S.	CM-1-G							
66	*31CB	M-D-1	2.5	18"	0.87		223		
67	*31CB	M-D-1	6.0	18"	1.75		223		
68	Met.E.S.	CM-1-G							
69	*31CB	M-D-1	2.7	18"	0.89		223		
70	*31CB	M-D-1	7.6	24"	2.10		223		
71	Met.E.S.	CM-1-G							
72	*31CB	M-D-1	2.0	15"	0.74		223		
73	Met.E.S.	CM-1-G							
74	*31CB	M-D-1	3.2	15"	1.06		223		
74A	Spillway	P-S-8	2.52			87			
75	*31CB	M-D-1	4.0		1.34		223		
75A	Spillway	P-S-8	2.52			87			
76	U.E.W.	E-2-90	15'		0.77	20			
77	*31CB	M-D-1	2.0	15"	0.74		223		
78	Met.E.S.	CM-1-G							
79	ST E.W.	D-O-13	13"		0.77				
80	U.E.W.	D-O-13	13"		0.58	20			
81	ST E.W.	D-O-13	13"		1.04				
82	U.E.W.	D-O-13	13"		0.69	20			
83	ST E.W.	D-O-13	13"		1.04				
84	U.E.W.	D-O-13	13"		0.69	20			
TOTAL			8		31.40	254	4014		

STORM SEWER PIPE									
FROM LOCA.	TO LOCA.	GRADE %	SIZE (IN)	LENGTH (FT)					
50	51	1018.6	80'						
52	53	1020.0	86'						
54	55	1018.0	164'						
55	56	1016.0	725'						
56	57	1004.0	725'						
58	64	1005.0	7.0	114'					
60	61	1021.3	4.19	148'					
61	62	1011.0	4.48	230'					
62	64	1005.0	3.8	158'					
64	65	999.8	2.0	260'					
63	64	1006.0	2.17	90'					
66	67	1000.5	2.0	68'					
67	68	996.9	2.0	180'					
69	70	988.4	2.0	70'					
70	71	986.0	2.0	120'					
72	73	986.9	2.0	76'					
74	75	1028.0	2.0	38'					
75	76	1008.0	26%						
77	78	980.2	2.0	110'					
79	80	1031.1	1.0	52'					
81	82	1030.2	1.0	54'					
83	84	1030.1	1.6	58'					
84	85	1029.2	1.0	54'					
TOTAL					1014	360	662	418	

* Includes 2-25" metal elbows - see detail Sh. 170.
† Pipe to be jacked under Tenn. Central R.R. (No endwalls) By Railroad - not included in total.

- NOTES:
- See culvert cross sections for drainage structures within interchange not marked with location code.
 - Contours denote finished elevations.
 - Contour intervals 2', except as noted.
 - Mountable curbs not in Contract I-503(15).
 - See Sh. 12A for detail of 31CB (Mod).

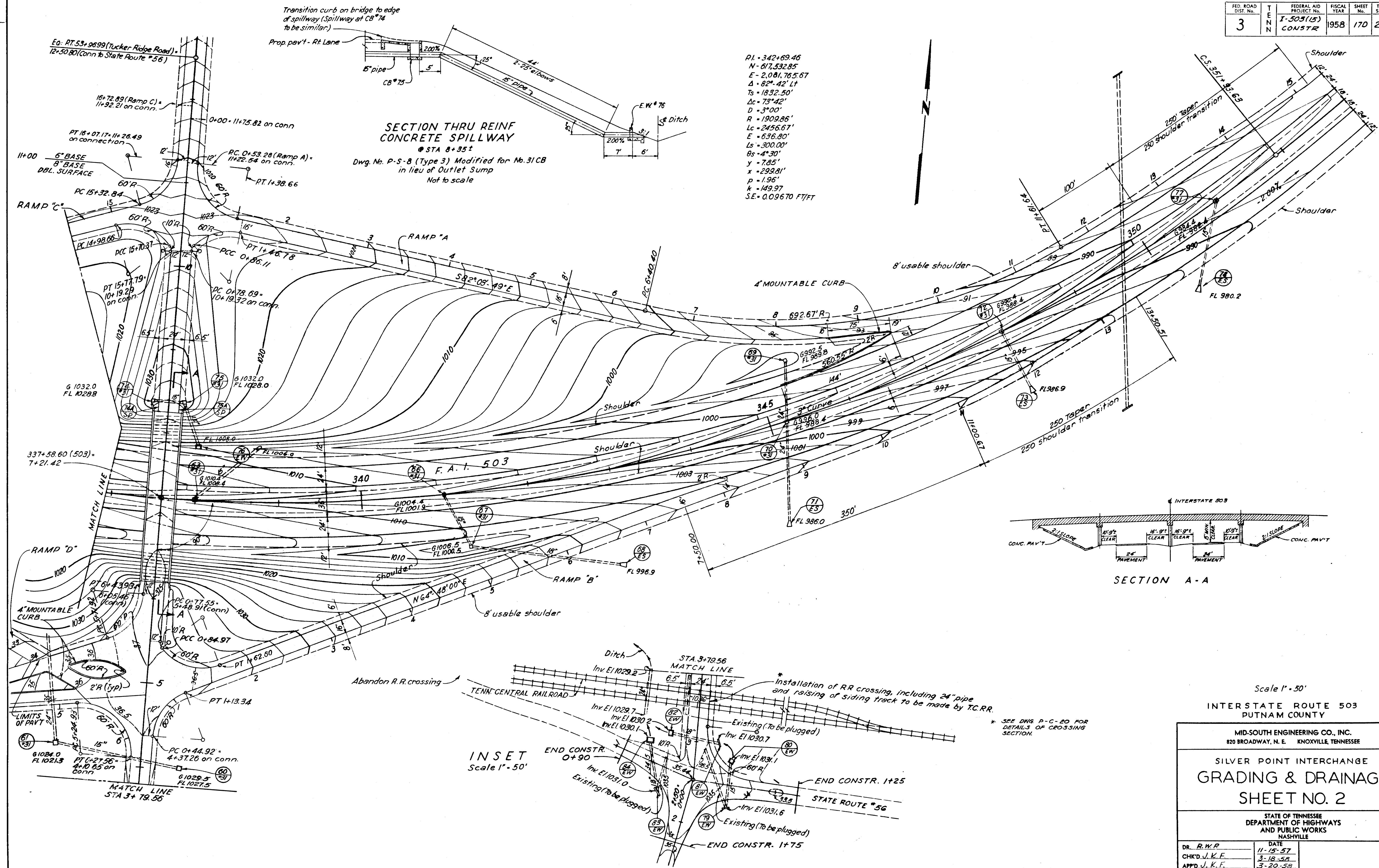
MID-SOUTH ENGINEERING CO., INC.
820 BROADWAY, N. E. KNOXVILLE, TENNESSEE

SILVER POINT INTERCHANGE
GRADING & DRAINAGE
SHEET NO. 1

STATE OF TENNESSEE
DEPARTMENT OF HIGHWAYS
AND PUBLIC WORKS
NASHVILLE

DR. R.W.P.	DATE
CHK'D J.K.F.	11-15-57
APP'D J.K.F.	3-18-58
	3-20-58

FED. ROAD DIST. No.	TENN.	FEDERAL AID PROJECT No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
3		1-503(15) CONSTR	1958	170	208

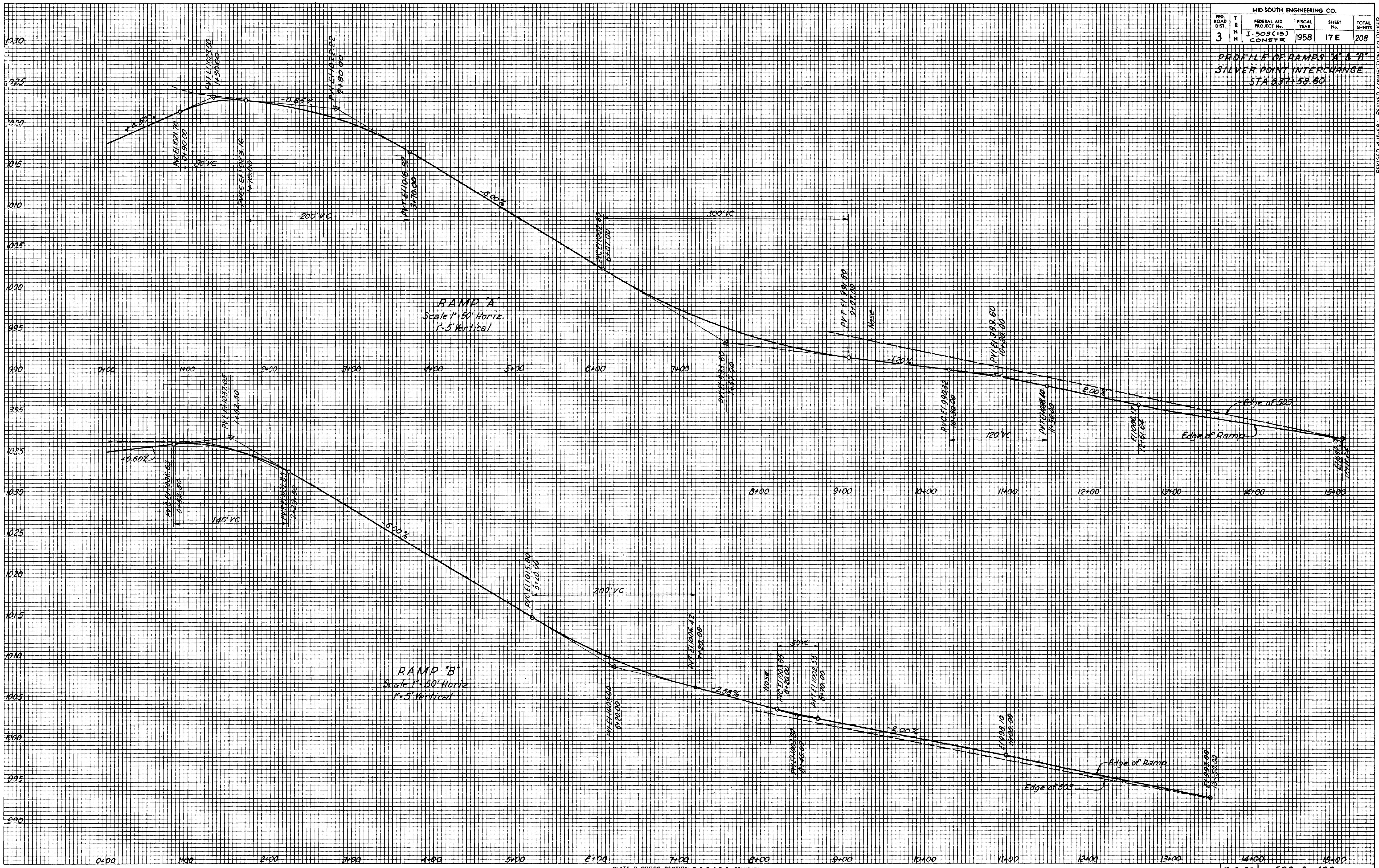


MID-SOUTH ENGINEERING CO.				
FED. ROAD DIST.	T E N	FEDERAL AID PROJECT No.	FISCAL YEAR	SHEET No.
3	N	I-503 (15) CONSTR	1958	17E
				TOTAL SHEETS 208

PROFILE OF RAMPS 'A' & 'B'
SILVER POINT INTERCHANGE
STA 337+58.60

FINAL SURVEY	DATE
DESIGNED	
PLANNED	
NOTED	
NO.	

ORIGINAL SURVEY	DATE
DESIGNED	
PLANNED	
NOTED	
NO.	

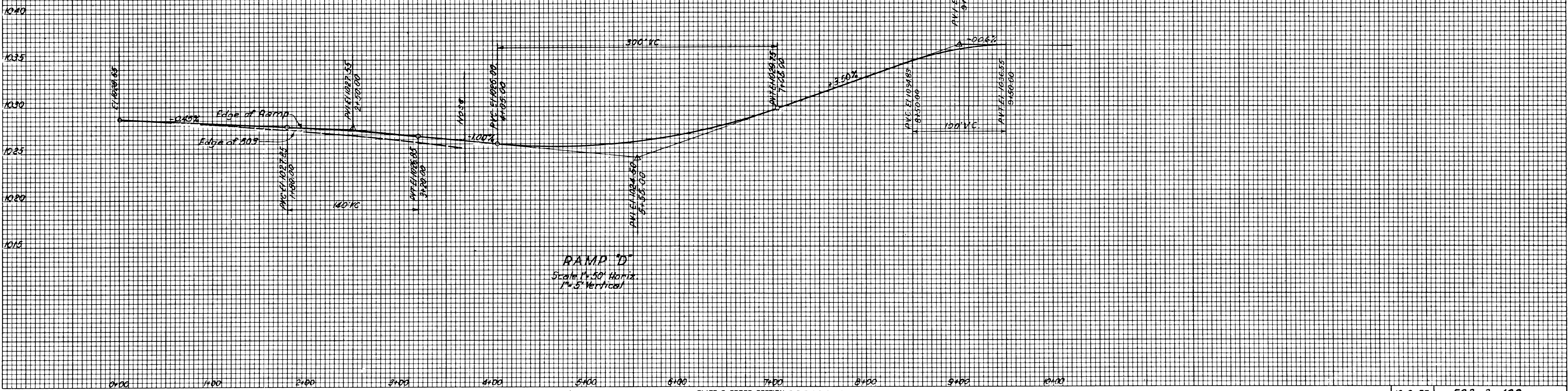
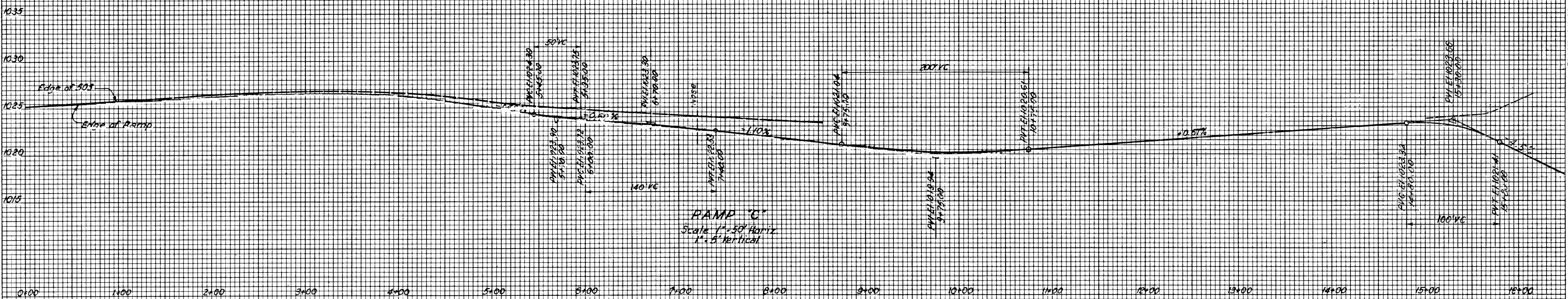


REVISED 4-15-58, REVISED CONNECTION TO TUCKER
RIDGE ROAD

PROFILE OF RAMPS "C" & "D"
SILVER POINT INTERCHANGE
STA 337+58.60

FINAL SURVEY	BY	DATE
NO. _____	_____	_____
NO. _____	_____	_____
NO. _____	_____	_____

ORIGINAL SURVEY	BY	DATE
NO. _____	_____	_____
NO. _____	_____	_____
NO. _____	_____	_____





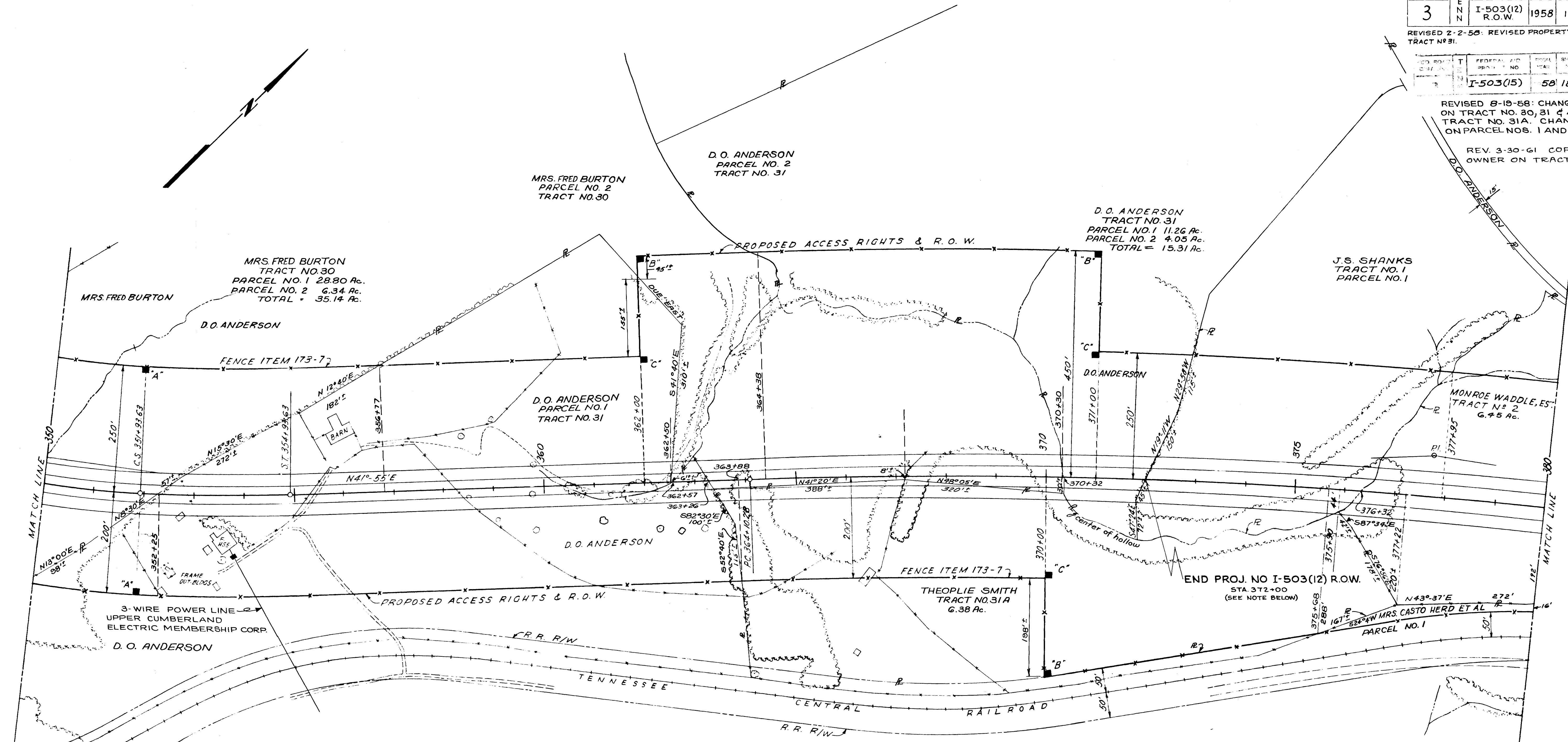
FED. ROAD DIST. No.	TENN.	FEDERAL AID PROJECT No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
3	TENN.	I-503(12) R.O.W.	1958	18	18

REVISED 2-2-58: REVISED PROPERTY LINES, TRACT NO. 31.

FED. ROAD DIST. No.	TENN.	FEDERAL AID PROJECT No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
3	TENN.	I-503(15)	1958	18	208

REVISED 8-18-58: CHANGED R. ON TRACT NO. 30, 31 & ADDED TRACT NO. 31A. CHANGED R. ON PARCELS NOS. 1 AND 2.

REV. 3-30-61 CORRECTED OWNER ON TRACT NO. 30



PI. 377+71.63
N - 620.591.54
E - 2,084.511.69
Δ = 13°33' Rt
D = 0°30'
R = 11459.16
T = 1361.35
L = 2710.00
E = 80.58

NOTE:
RELEASED FOR R.O.W. THROUGH
PROPERTY OF D.O. ANDERSON ON
BOTH LT. & RT. R.O.W. LINES

Scale 1" = 100'

INTERSTATE ROUTE 503
PUTNAM COUNTY

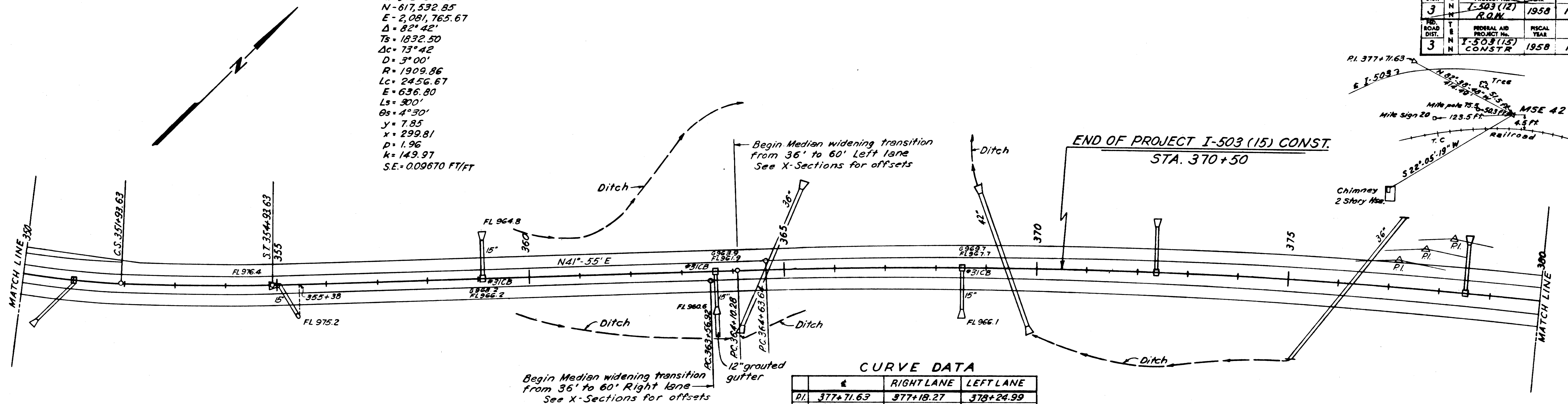
MID-SOUTH ENGINEERING CO., INC.
820 BROADWAY, N. E. KNOXVILLE, TENNESSEE

RIGHT OF WAY PLANS
STA 350+00 TO 380+00

STATE OF TENNESSEE
DEPARTMENT OF HIGHWAYS
AND PUBLIC WORKS
NASHVILLE

DR. <i>P.W.P.</i>	DATE <i>10-15-57</i>	503-3-2
CHK'D <i>M.L.S.</i>	<i>11-14-57</i>	
APP'D <i>F.E.B.</i>	<i>11-14-57</i>	

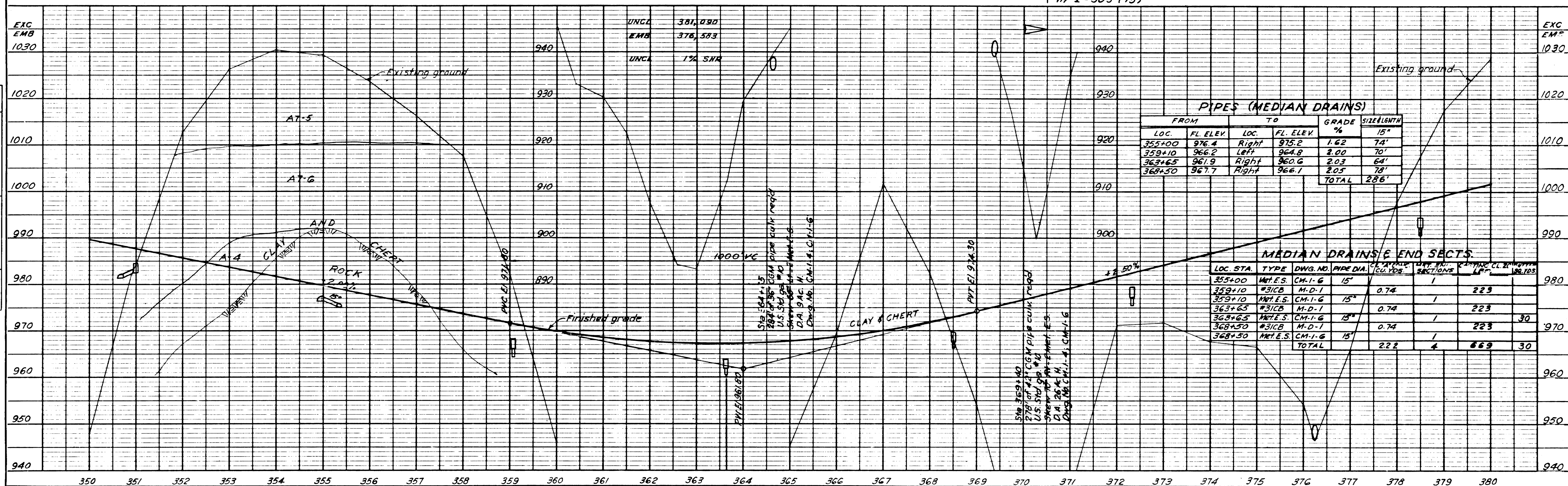
P1. 342+69.46
N=617,532.85
E=2,081,765.67
 $\Delta=82^{\circ}42'$
Ts=1832.50
 $\Delta c=73^{\circ}42'$
D=3^{\circ}00'
R=1909.86
Lc=2456.67
E=636.80
Ls=300'
 $\theta s=4^{\circ}30'$
y=7.85
x=299.81
p=1.96
k=149.97
S.E.=0.09670 FT/FT



CURVE DATA			
	Δ	RIGHTLANE	LEFTLANE
P.I.	377+71.63	377+18.27	378+24.99
N	620.591.54	—	—
E	2,084,511.69	—	—
Δ	13° 33' Rt	13° 33' Rt	13° 33' Rt
D	0° 30'	0° 30'	0° 30'
R	11,459.16	11,459.16	11,459.16
L	1361.35	1361.35	1361.35
T	2710.00	2710.00	2710.00
E	80.58	80.58	80.58
S.E.	0.01612	0.01612	0.01612

Work indicated shed
of Sta. 370+50 not included
in I-503 (15)

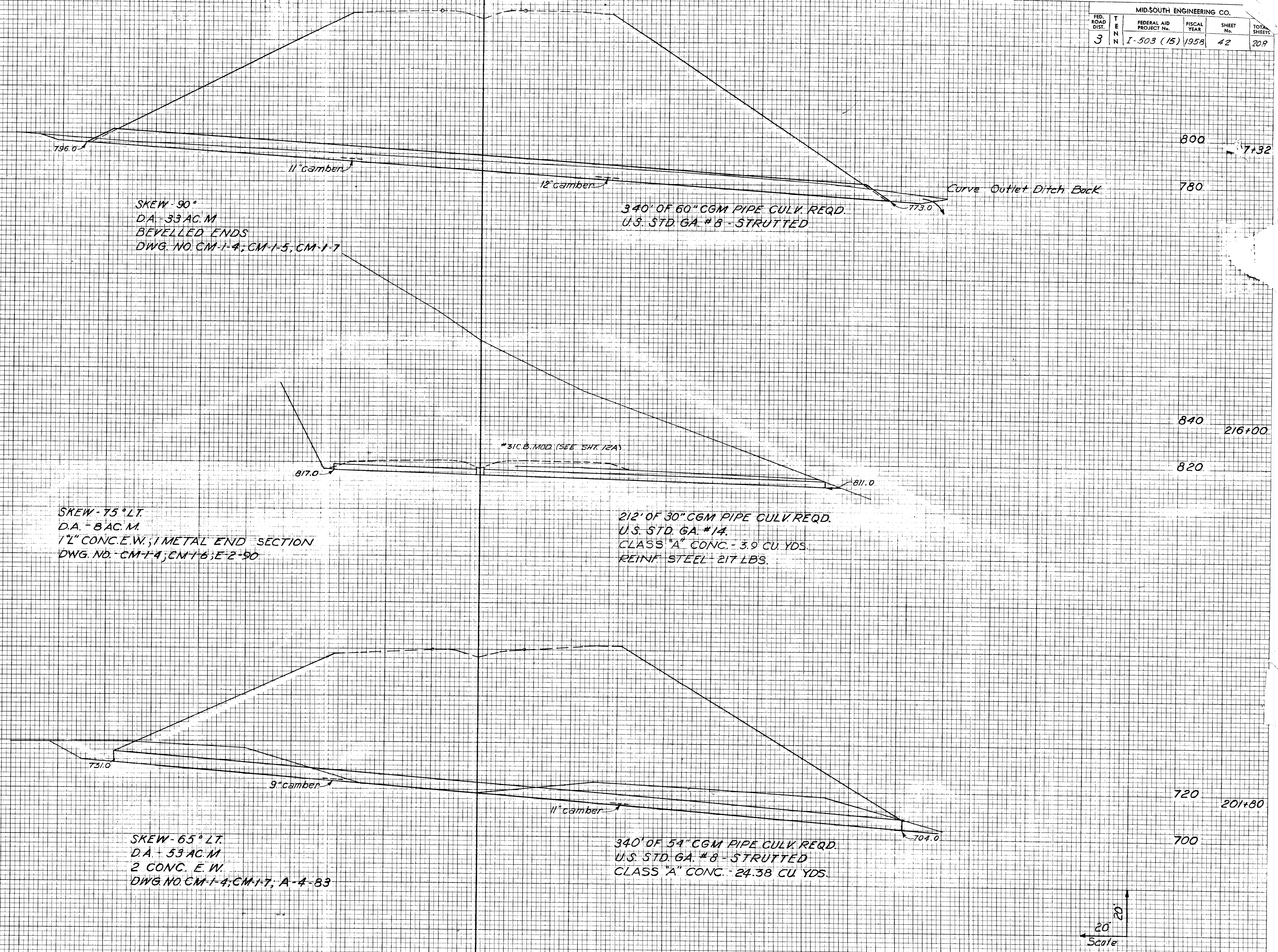
MSE 42 EI. 1023.51
N-620, 538.49
E-2, 084, 922.77
225' Rt. Sta. 380+30±
Steel pin set flush



MICROFILMED

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

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

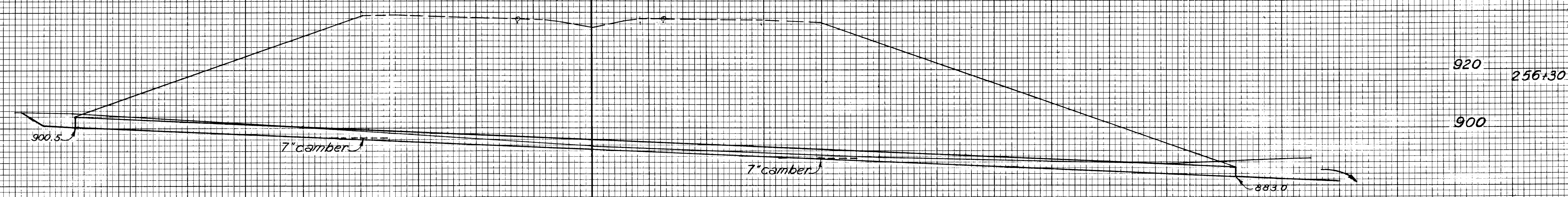


20
20
Scale

MICROFILMED

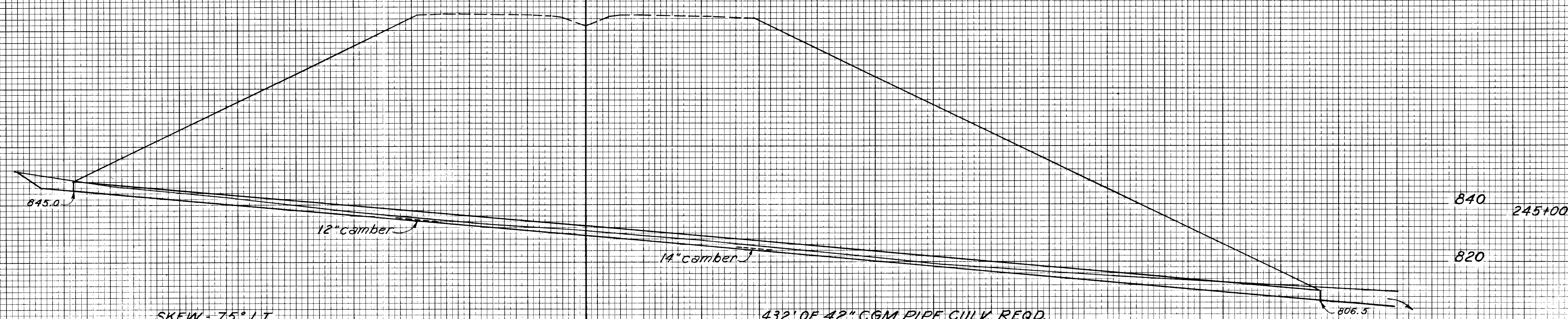
DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
NO.	
AREAS CHECKED	

DATE	
BY	WLD
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
NO.	
AREAS CHECKED	



SKEW-45° LT.
D.A. 16 AC. M.
2 CONC. E.W.
DWG. NO. CM-1-4, A-4-83

404' OF 42" CGM PIPE CULV. REQD.
U.S. STD. GA. #8.
CLASS "A" CONC. - 13.46 CU. YDS.



SKEW-75° LT.
D.A. 17 AC. M.
2 METAL END SECTIONS
DWG. NO. CM-1-4, CM-1-6

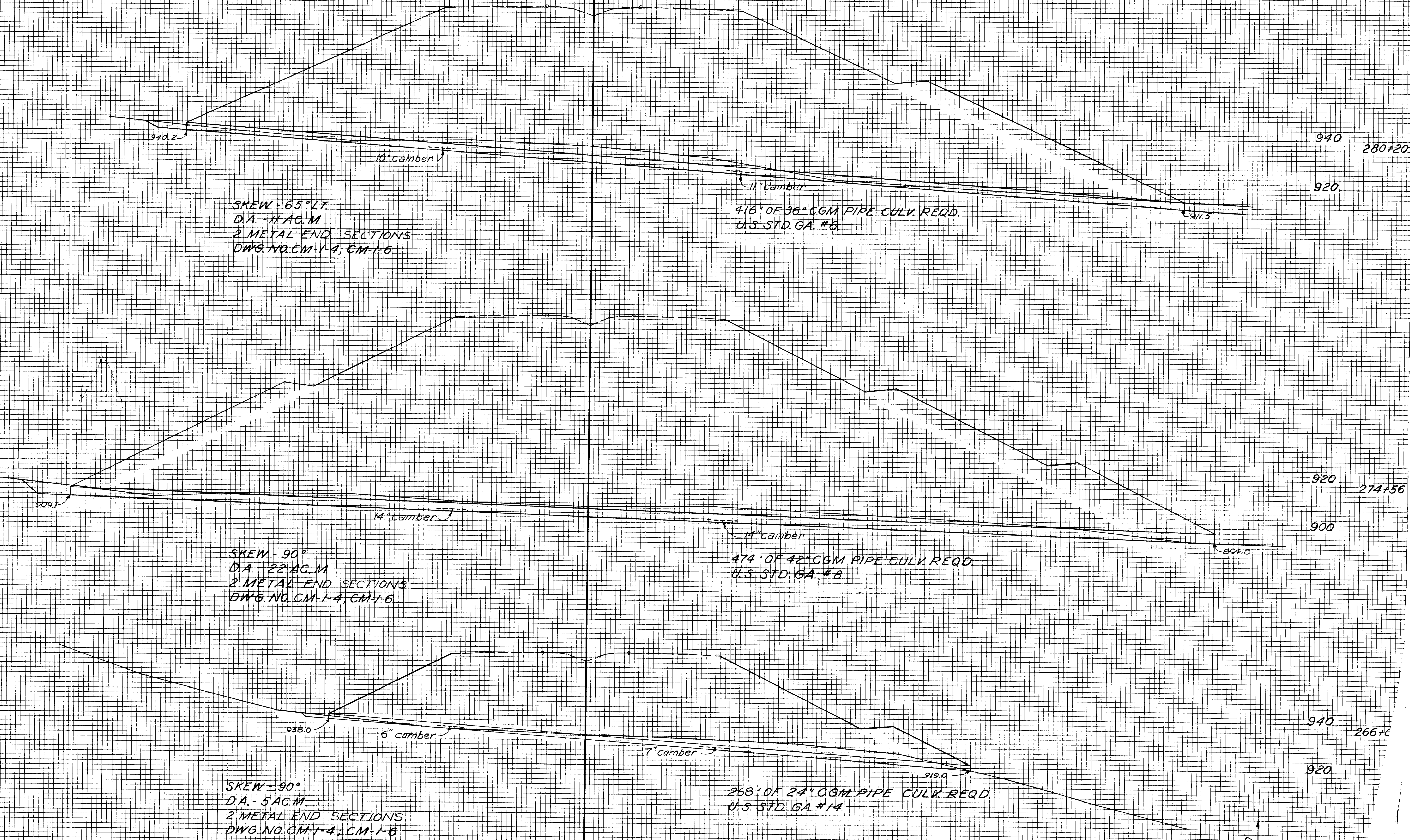
432' OF 42" CGM PIPE CULV. REQD.
U.S. STD. GA. #8.

20'
20'
Scale

RECORDED

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

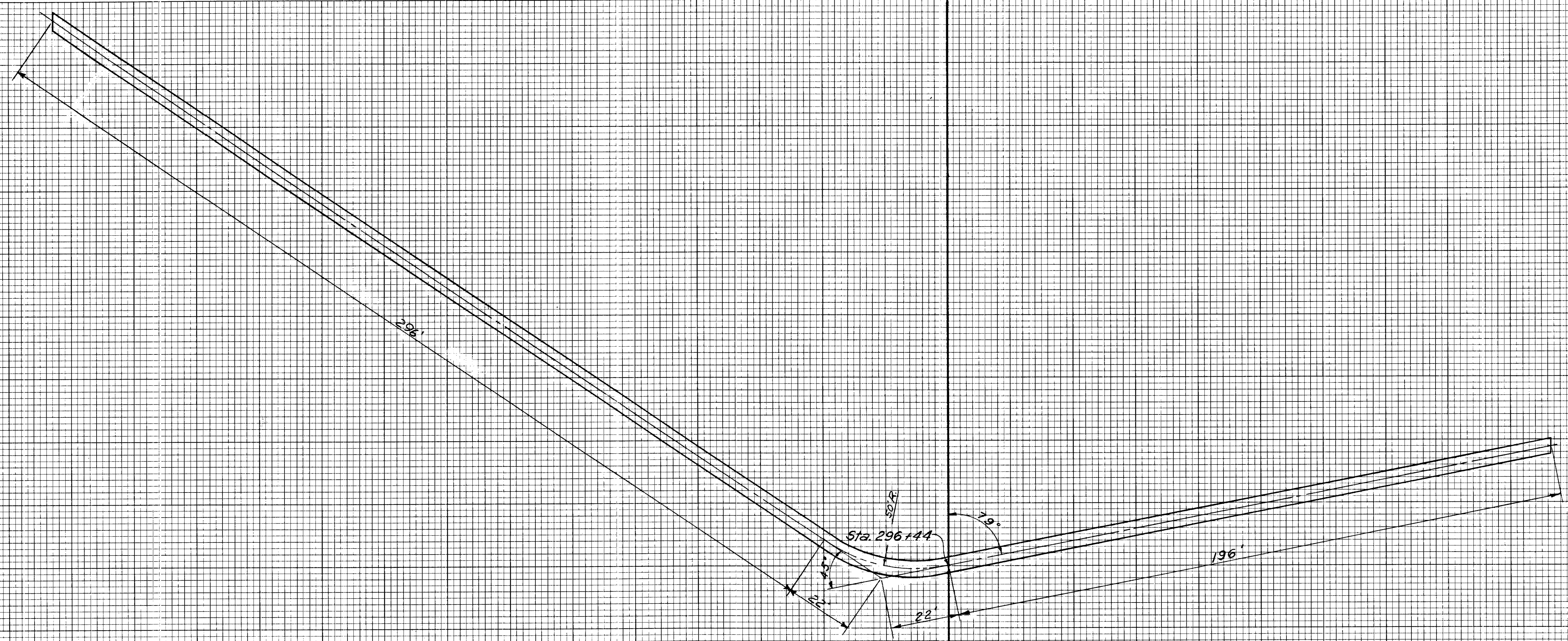
ORIGINAL SURVEY	DATE	
	BY	
	SURVEYED	
	PLOTTED	
NOTE BOOK	NO.	
AREAS CHECKED		



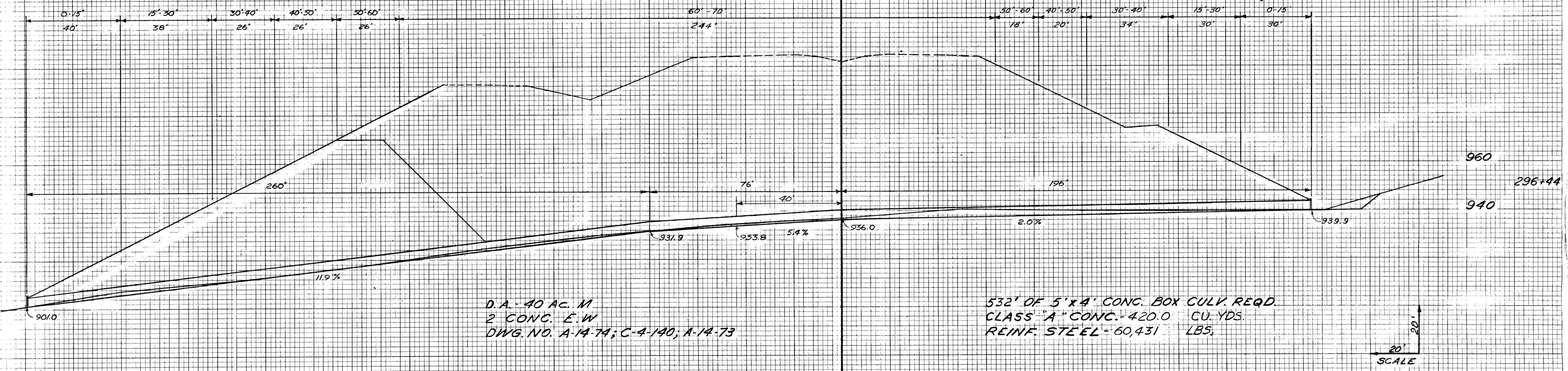
20' 20'
Scale

DATE	BY	SURVEYED	PLOTTED	TEMPLATE	AREAS CHECKED
		NO. 800			
		NO.			

DATE	BY	ORIGINAL	REVISION	PLOTTED	AREAS CHECKED
		NO. 800			
		NO.			



PLAN
Scale 1"=20'



D.A. 40 AC. W
2 CONC. E.W
DWG. NO. A-14-74; C-4-140; A-14-73

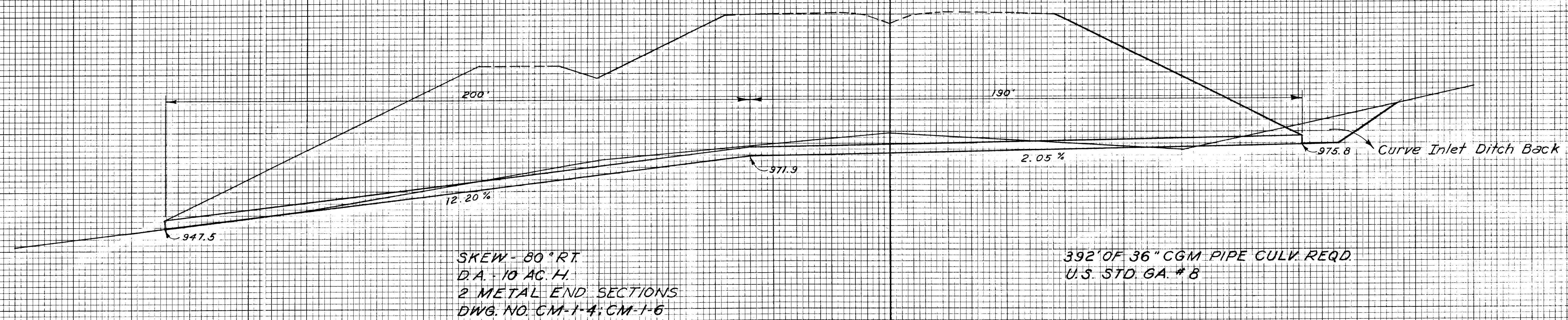
532' OF 5'x4' CONC. BOX CULV. REQD.
CLASS "A" CONC. 420.0 CU. YDS.
REINF. STEEL 60,431 LBS.

20'
SCALE

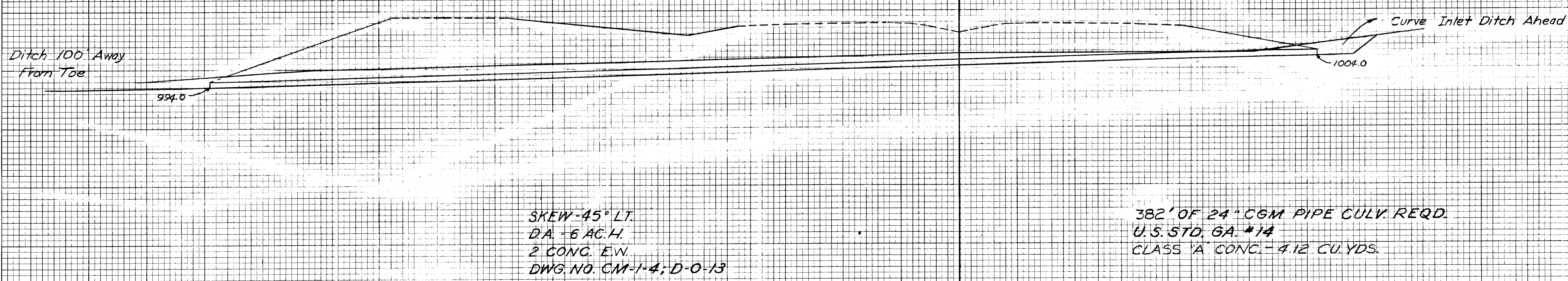
MICROFILMED

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

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



980 315+20
960

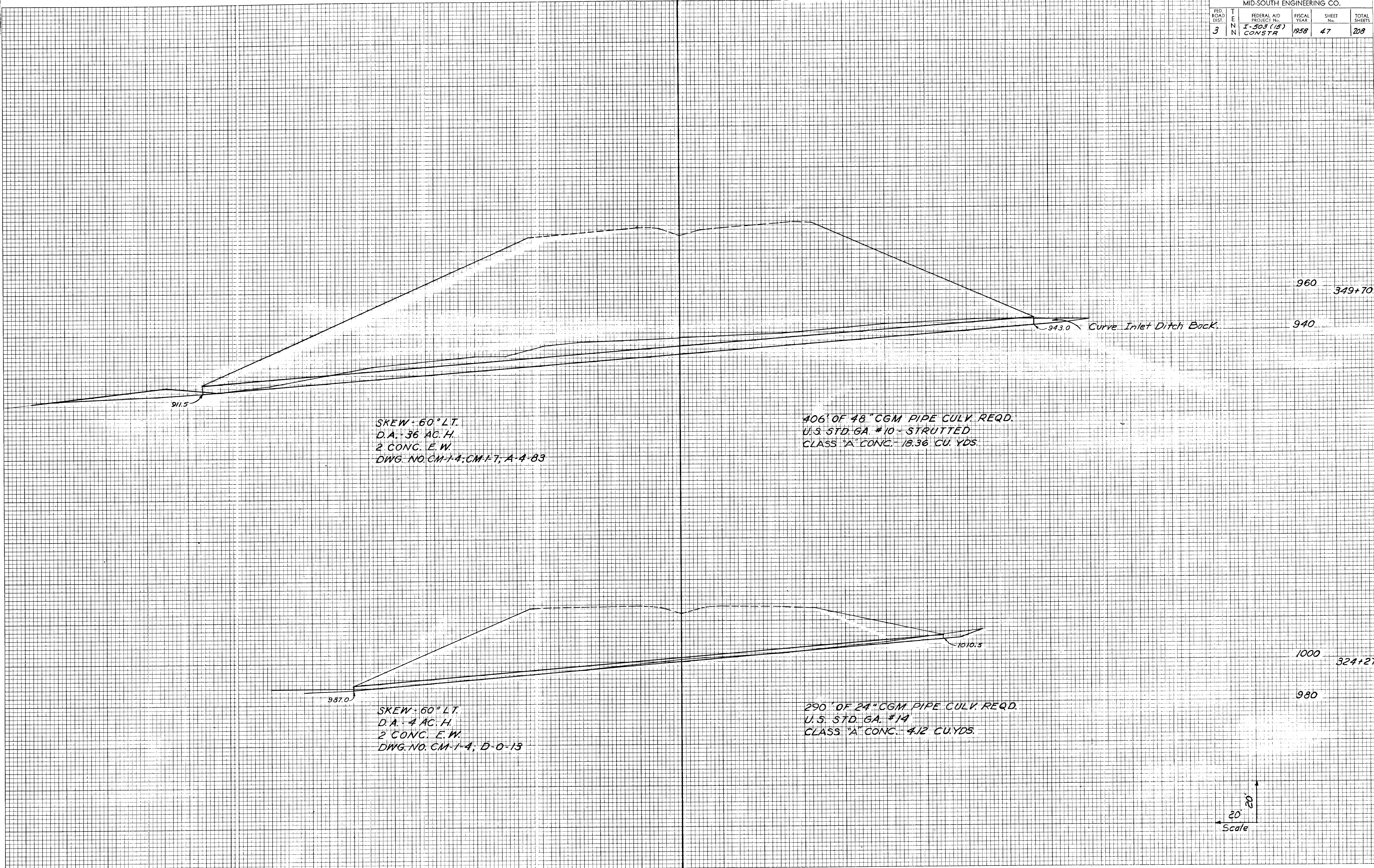


1000 309+00
980

20'
20'
Scale

FINAL SURVEY	SURVEYED	DATE
	PLOTTED	BY
	NOTE BOOK	
	NO.	

ORIGINAL SURVEY	SURVEYED	DATE
	PLOTTED	BY
	NOTE BOOK	
	NO.	



20' 20'
Scale

MICROFILMED

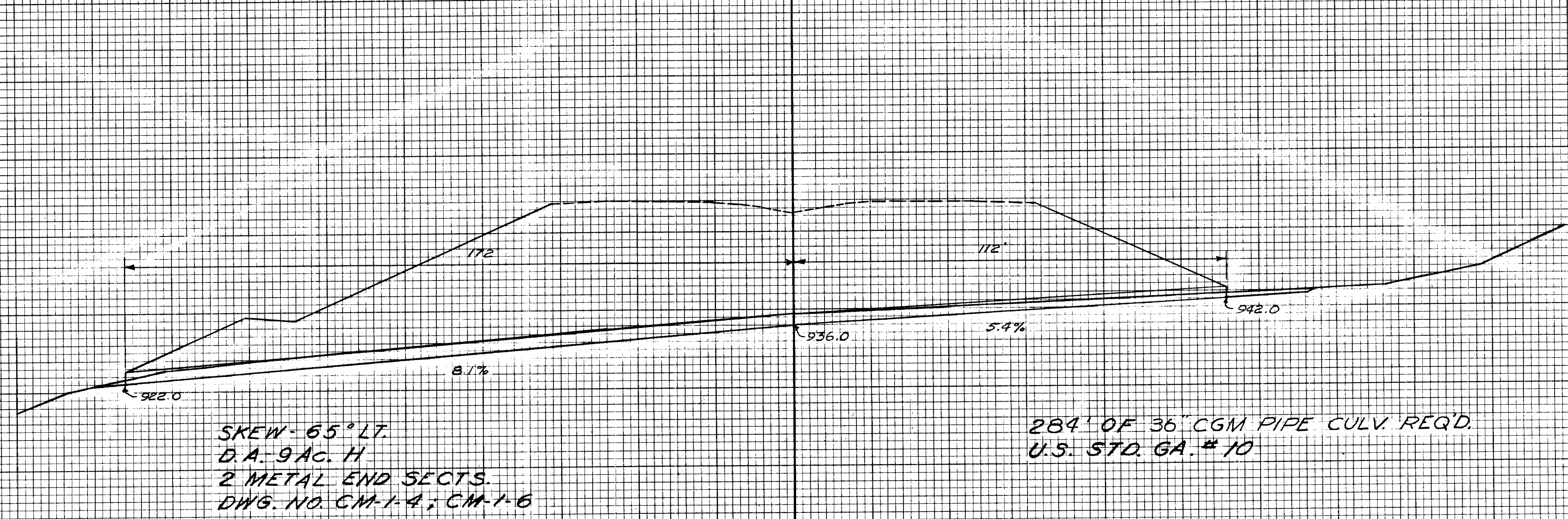
DATE	
BY	
FINAL SURVEY	
NOTE BOOK	
NO.	
AREAS CHECKED	

DATE	
BY	
ORIGINAL SURVEY	
NOTE BOOK	
NO.	
AREAS CHECKED	



Note: Where pipe is constructed in fill, the pipe shall be laid in a trench that has been cut through a fill that extends to top of pipe

940
369+40
920

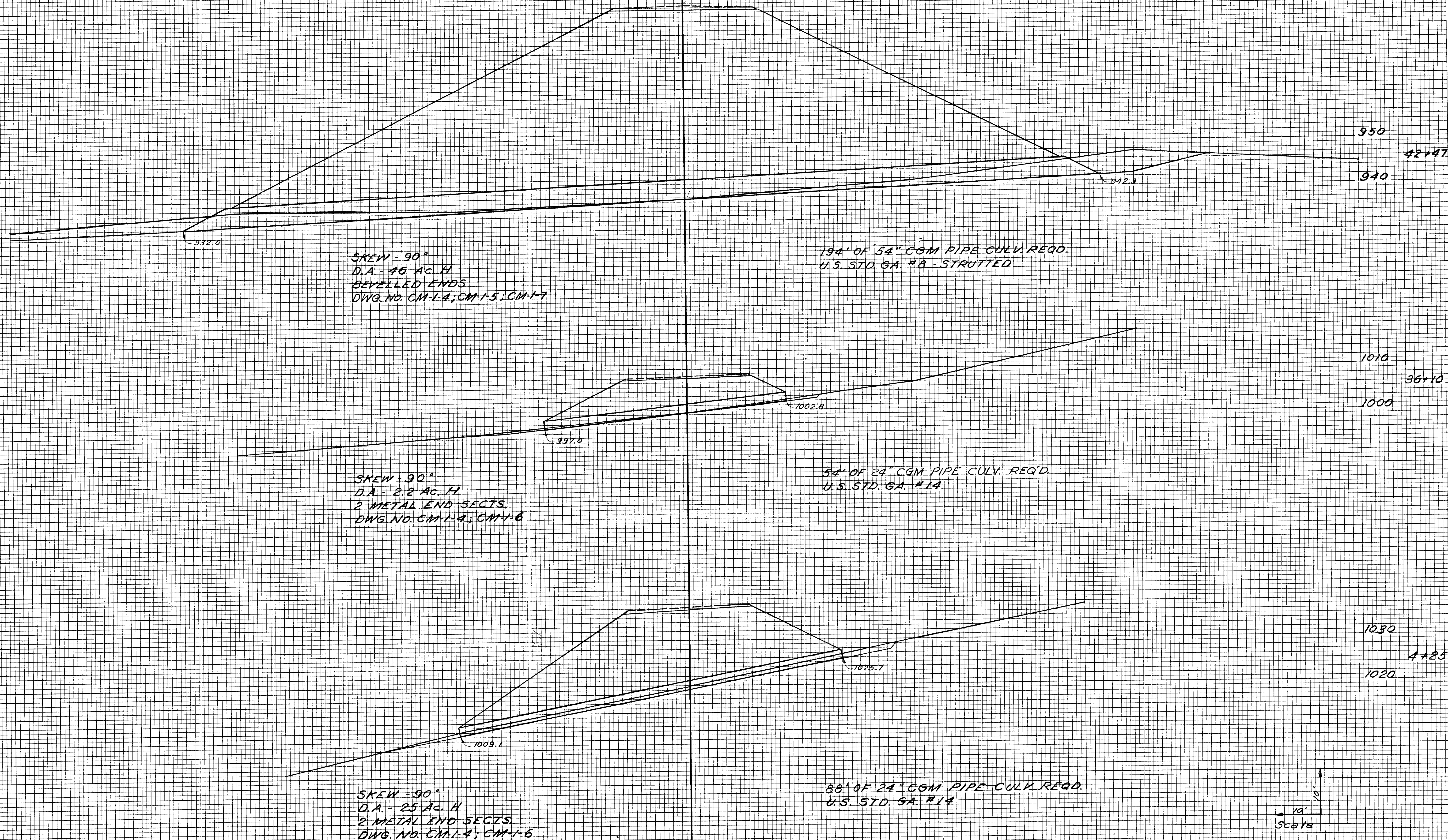


960
364+65
940

20'
Scale

FINAL SURVEY
DATE
BY
SURVEYED
PLOTTED
NOTE BOOK
NO.

ORIGINAL SURVEY
DATE
BY
SURVEYED
PLOTTED
NOTE BOOK
NO.



MICROFILMED

DATE	
BY	
FINAL SURVEY	
NOTE BOOK	
NO.	
ORIGINAL SURVEY	
NOTE BOOK	
NO.	
AREAS CHECKED	

DATE	
BY	
ORIGINAL SURVEY	
NOTE BOOK	
NO.	
AREAS CHECKED	



SKEN-65° RT.
D.A. - 4 AC. H
2 METAL END SECTS.
DWG. NO. CM-1-4; CM-1-6

60' OF 24" CGM PIPE CULV. REQD.
U.S. STD. GA. #14

10'
10'
Scale