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SHEET NOS. 2d, 2e, 2f, 4g & 4h ARE INCLUDED IN AND FILED UNDER PROJ. NOLSI40-5(5)268, FILE NO. IN-197. SHEET NOS. 4a THRU 4f AND 4i THRU 4n WERE DELETED FROM PROJ. LSI40-5(5)268 AND TRANSFERRED TO PROJ. I-40-5(31)267 UNDER REVISION OF 12-9-71.

SHEETS 5-7 FILED UNDER PROJECT I-40-5(8)259, FILE IN 24.
 SHEETS 8-12 FILED UNDER PROJECT I-40-5(9)264, FILE IN 50.

HAUL ROADS ON THIS PROJECT WILL BE LIMITED TO STATE MAINTAINED ROADS.

TWO (2) CONSTRUCTION IDENTIFICATION SIGNS SHALL BE ERECTED ON THIS PROJECT AT LOCATIONS DESIGNATED ON THIS SHEET BY THIS SYMBOL (C/S) FOR DETAILS SEE STANDARD DWG. RD-S-1(3 SHEETS).

TRAFFIC NOTES:
 THE CONTRACTOR SHALL MAINTAIN ONE LANE OF TRAFFIC ON EAST AND WEST BOUND LANES AT ALL TIMES DURING CONSTRUCTION OF THIS PROJECT.
 WORK SHALL BE SCHEDULED IN ORDER THAT AT THE END OF EACH DAY'S OPERATIONS THE PAVING FOR EACH LANE, FOR A GIVEN ROADWAY SHALL BE AT APPROXIMATELY THE SAME LOCATION.
 THIS PROJECT TO BE CONSTRUCTED UNDER THE STANDARD SPECIFICATIONS OF THE TENNESSEE DEPARTMENT OF HIGHWAYS DATED JULY 1, 1951, SUPPLEMENT DATED AUGUST 1, 1960, AND ADDITIONAL SPECIFICATIONS AND SPECIAL PROVISIONS CONTAINED IN THE PLANS AND IN THE PROPOSAL CONTRACT.

DESIGN DATA

ADT. 1967	4760
ADT. 1987	9240
DHV. 1987	1201
D	60
T	15
V	70 M.P.H.

LEGEND

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

	SMITH COUNTY	PUTNAM COUNTY	TOTALS
ROADWAY LENGTH	0801 MILE	0081 MILE	0882 MILE
BRIDGE LENGTH	0000 MILE	0000 MILE	0000 MILE
PROJECT LENGTH	0801 MILE	0081 MILE	0882 MILE
EXCLUDED LENGTH	0000 MILE	0000 MILE	0000 MILE
GROSS LENGTH	0801 MILE	0081 MILE	0882 MILE

NOTE: ALL LENGTHS BASED ON AVERAGE WEST BOUND LANE AND EAST BOUND LANE LENGTHS.

STATE OF TENNESSEE

DEPARTMENT OF HIGHWAYS

PLAN AND PROFILE OF PROPOSED STATE HIGHWAY

FEDERAL AID PROJECT NO.

I-40-5(31)267 PAVING (FINAL STAGE)

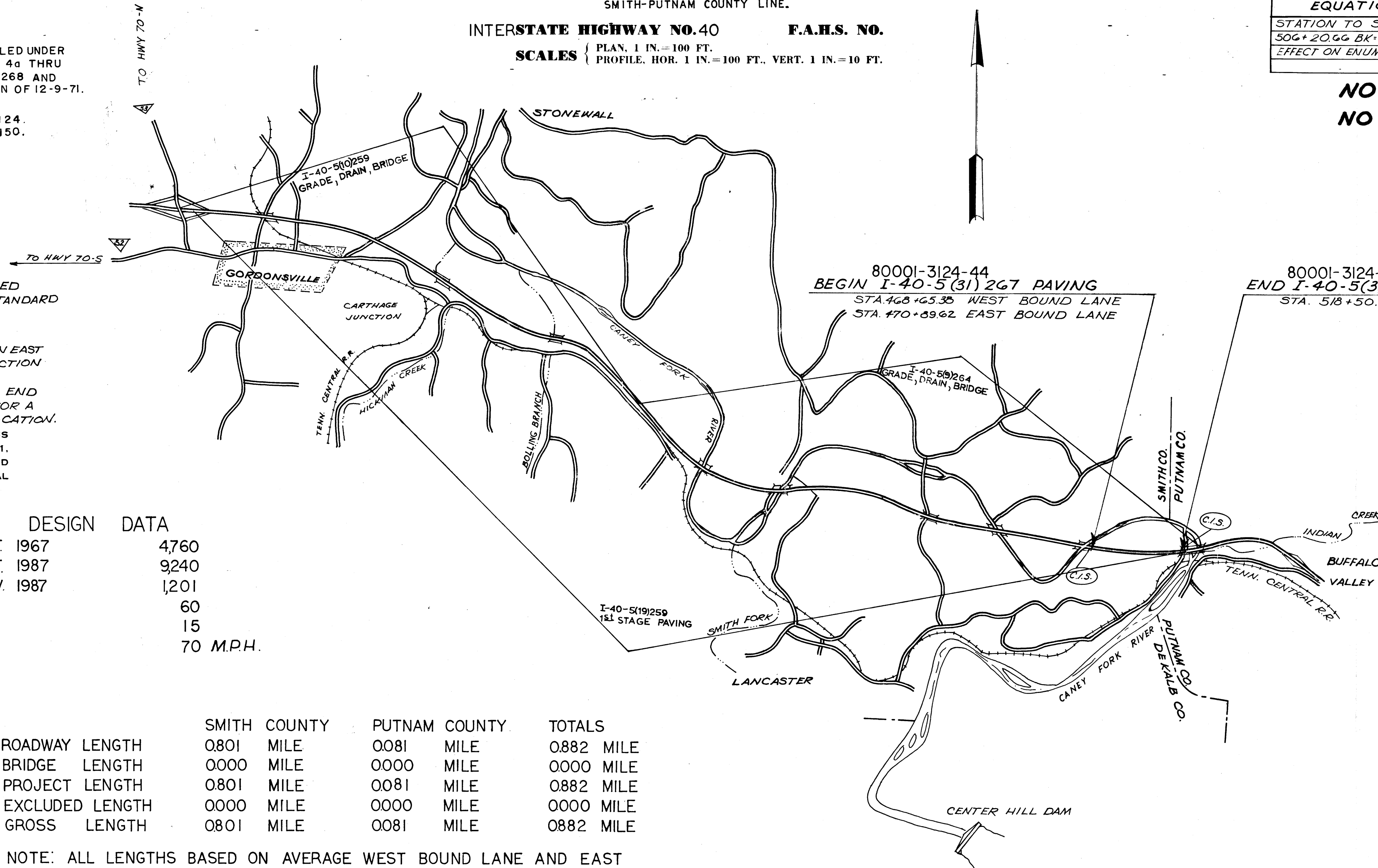
SMITH-PUTNAM COUNTIES

FROM A POINT 0.801 MILE WEST OF SMITH-PUTNAM COUNTY LINE TO A POINT 0.081 MILE EAST OF SMITH-PUTNAM COUNTY LINE.

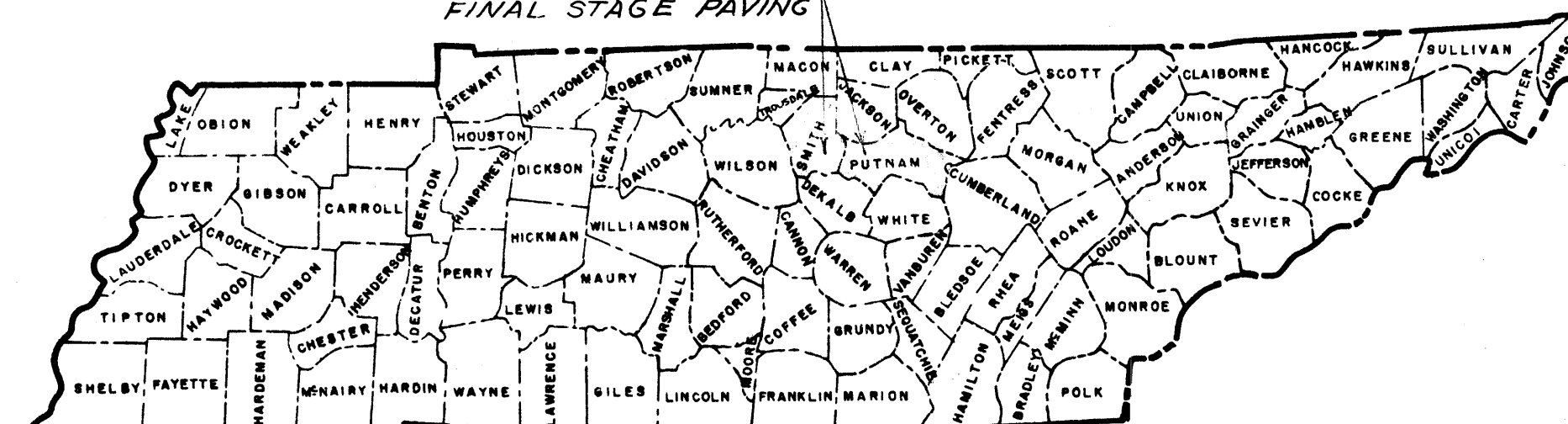
INTERSTATE HIGHWAY NO. 40

F.A.H.S. NO.

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



I-40-5(31)267 PAVING
 FINAL STAGE PAVING



EQUATIONS	+	-
STATION TO STATION		
506+20.66 BK+510+43.80(WB)		423.14
EFFECT ON ENUMERATION		423.14

NO EXCEPTIONS
 NO EXCLUSIONS

APPROVED

DESIGN ENGINEER

DATE

APPROVED

STATE HIGHWAY ENGINEER

DATE

APPROVED

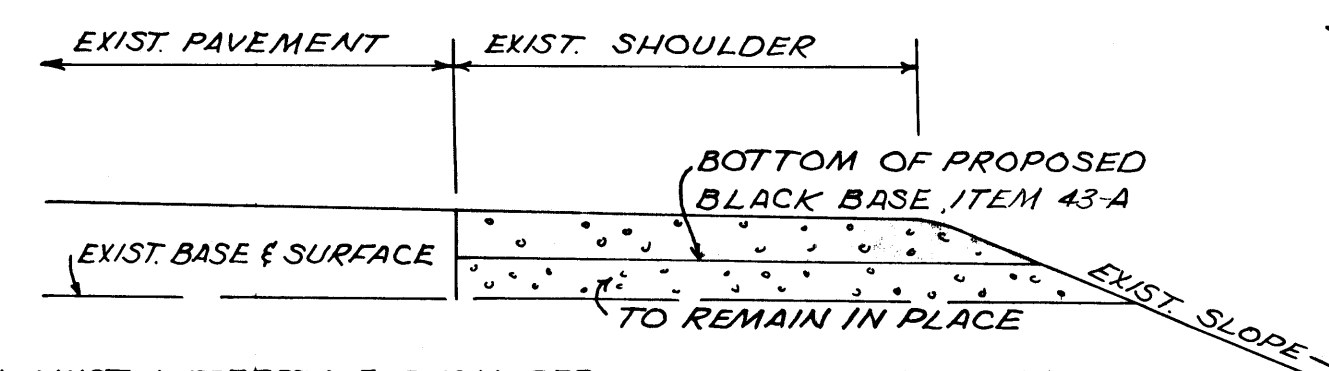
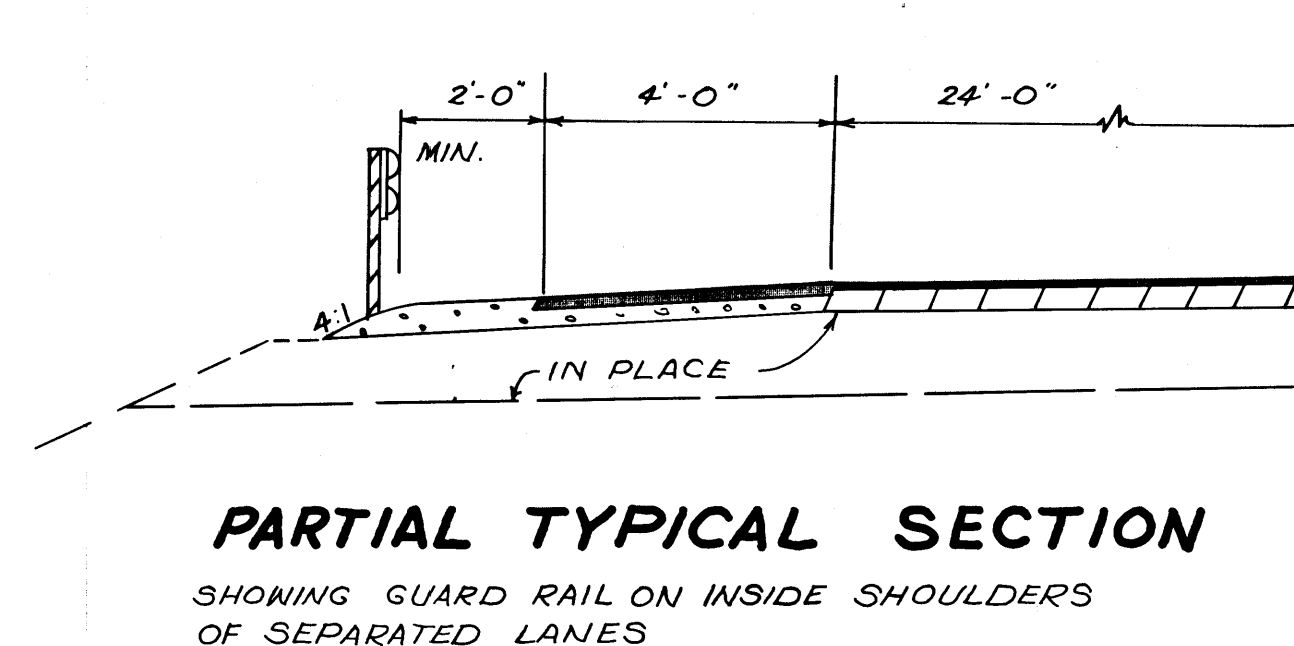
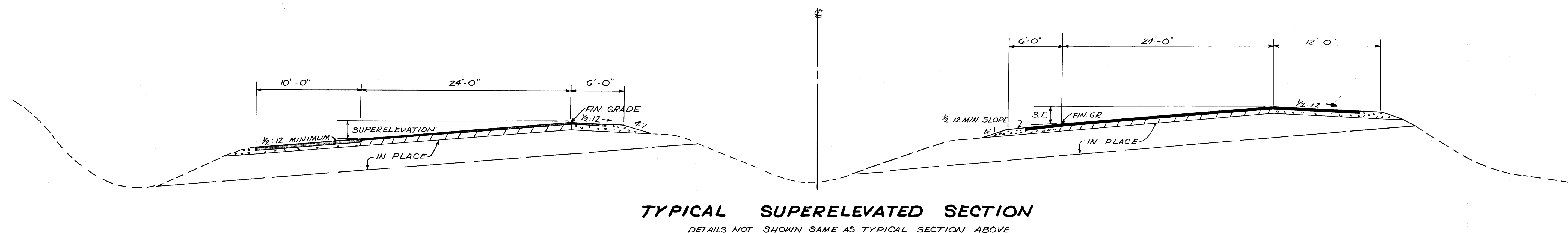
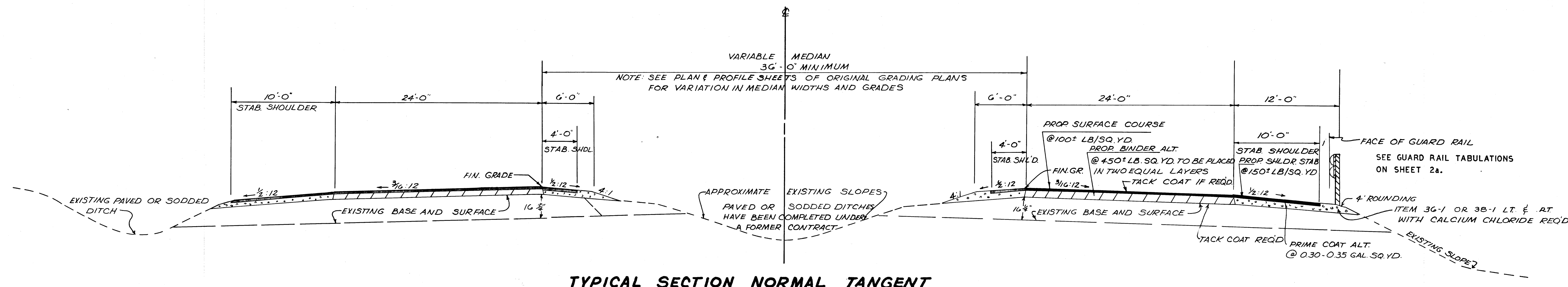
COMMISSIONER

DEPARTMENT OF COMMERCE
 BUREAU OF PUBLIC ROADS

APPROVED:

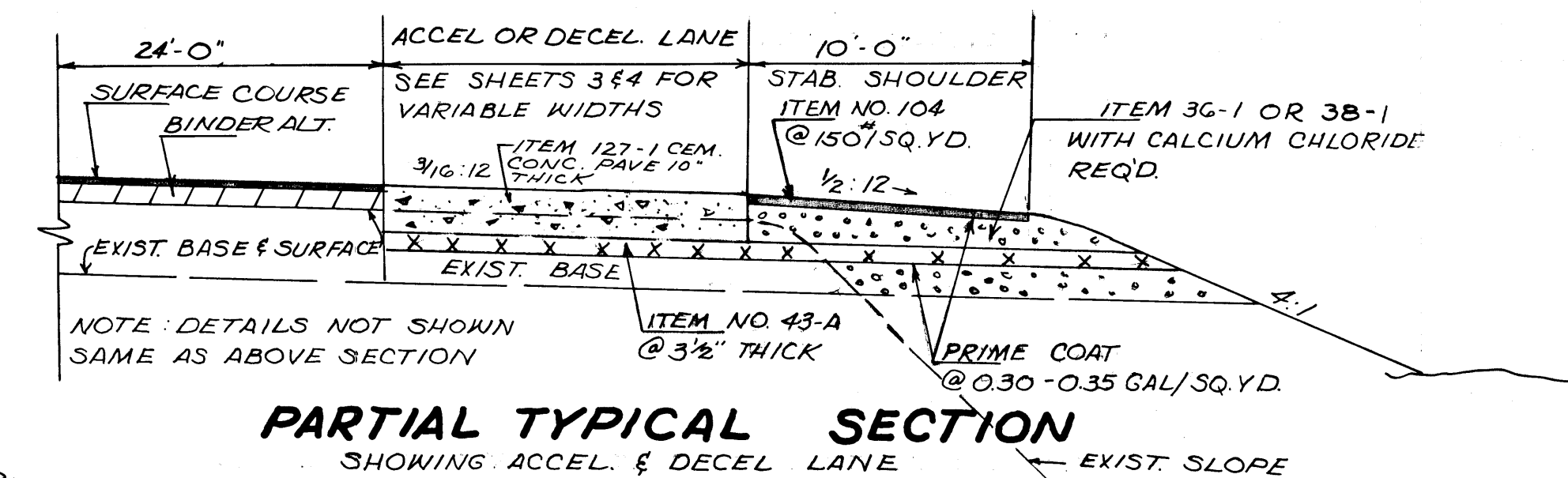
DIVISION ENGINEER

DATE

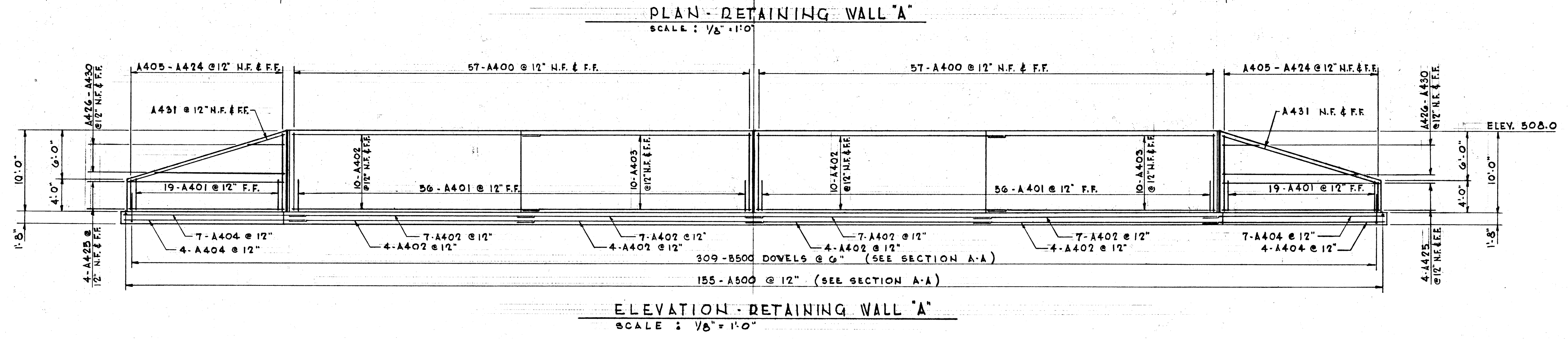
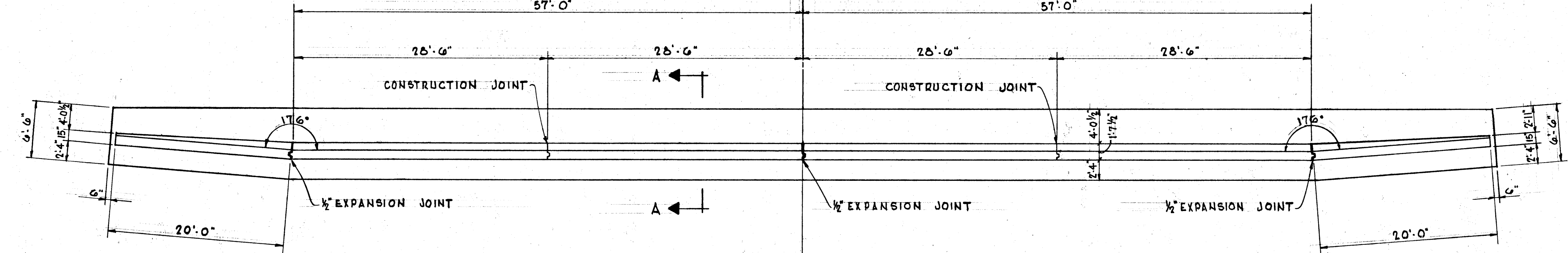
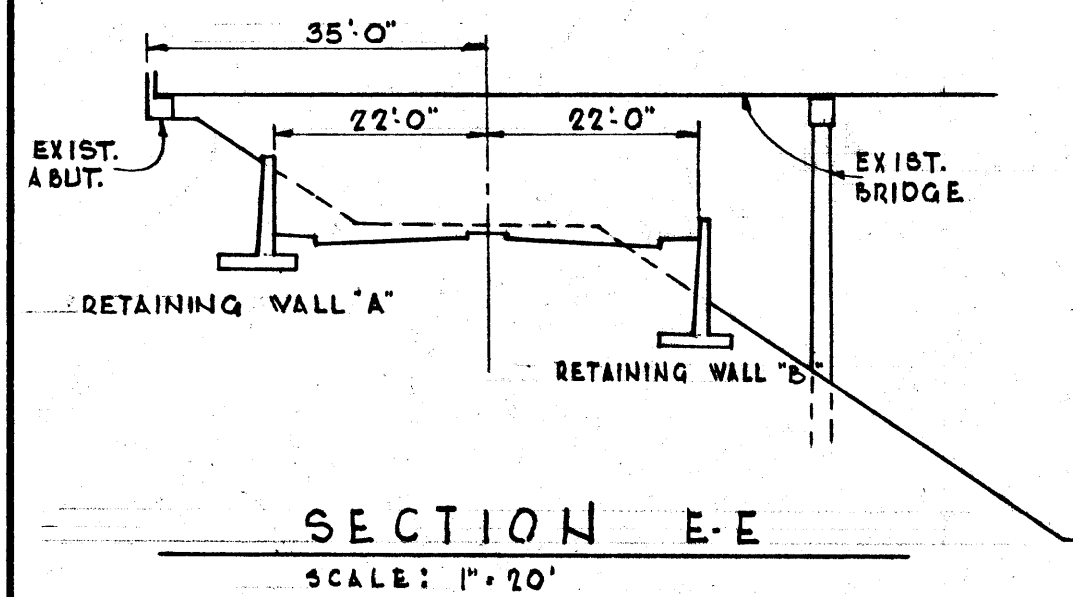
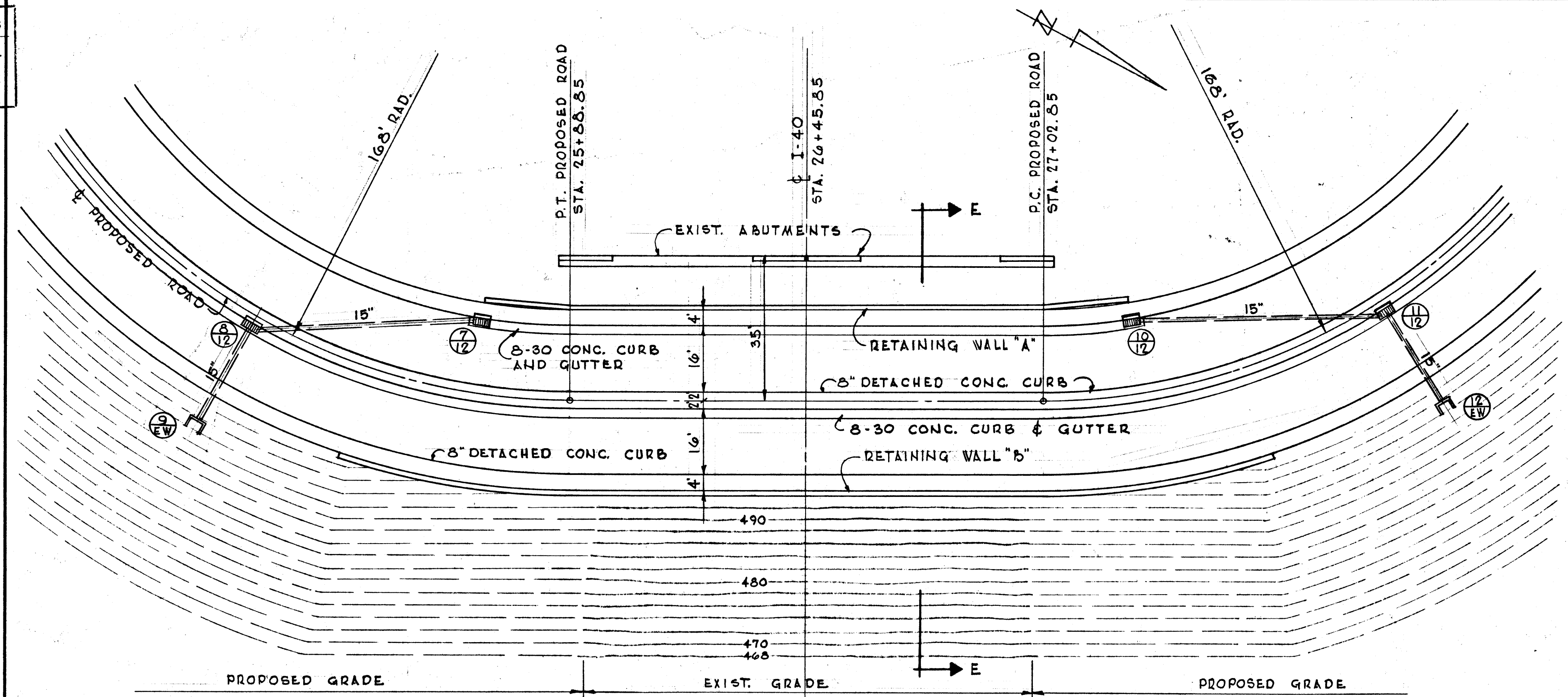


ON EXIST. INTERSTATE SHOULDER WHERE ADDITIONAL LANES ARE PROPOSED, THE EXIST. CRUSHED STONE AS INDICATED BY THE SHADED AREA SHALL BE REMOVED AND PLACED ON PROPOSED SHOULDER (SEE TYPICAL SECTION AT RIGHT) AS DIRECTED BY THE ENGINEER. REMOVAL AND PLACING OF CRUSHED STONE SHALL BE PAID FOR UNDER ITEM 13-3. WATER AND CALCIUM CHLORIDE SHALL BE PAID FOR UNDER ITEM 13-5 AND 36-1X.

SKETCH SHOWING REMOVAL OF STONE SHOULDER

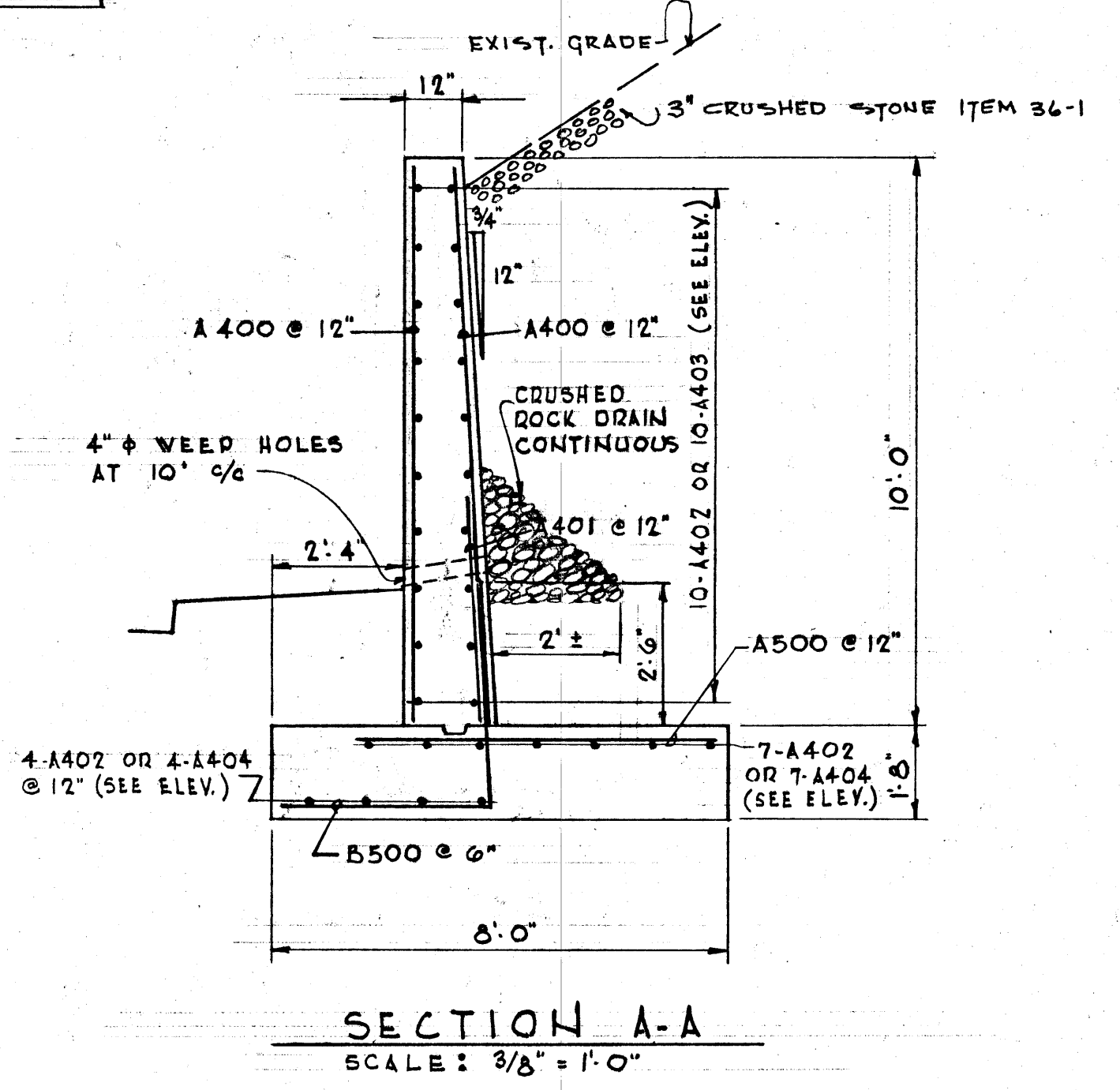


MICROFILMED



BILL OF REINFORCING STEEL - RETAINING WALL "A"									
BAR	LOCATION	SIZE	NO. REQ'D.	BENDING DIMENSIONS			TOTAL LENGTH		
				B	D	C			
A400	WALL	4	228	9'-10"			9'-10"		
A401	WALL	4	150	4'-0"			4'-0"		
A402	WALL & FTG.	4	84	30'-0"			30'-0"		
A403	WALL	4	40	28'-4"			28'-4"		
A404	FOOTING	4	22	22'-0"			22'-0"		
A405	WALL	4	4	9'-10"			9'-10"		
A406	"	4	4	9'-6"			9'-6"		
A407	"	4	4	9'-2"			9'-2"		
A408	"	4	4	8'-10"			8'-10"		
A409	"	4	4	8'-7"			8'-7"		
A410	"	4	4	8'-3"			8'-3"		
A411	"	4	4	7'-11"			7'-11"		
A412	"	4	4	7'-7"			7'-7"		
A413	"	4	4	7'-3"			7'-3"		
A414	"	4	4	7'-0"			7'-0"		
A415	"	4	4	6'-8"			6'-8"		
A416	"	4	4	6'-4"			6'-4"		
A417	"	4	4	6'-0"			6'-0"		
A418	"	4	4	5'-8"			5'-8"		
A419	"	4	4	5'-5"			5'-5"		
A420	"	4	4	5'-1"			5'-1"		
A421	"	4	4	4'-9"			4'-9"		
A422	"	4	4	4'-5"			4'-5"		
A423	"	4	4	4'-1"			4'-1"		
A424	"	4	4	3'-10"			3'-10"		
A425	"	4	4	19'-9"			19'-9"		
A426	"	4	4	18'-4"			18'-4"		
A427	"	4	4	15'-0"			15'-0"		
A428	"	4	4	11'-8"			11'-8"		
A429	"	4	4	8'-4"			8'-4"		
A430	"	4	4	5'-0"			5'-0"		
A431	WALL	4	4	20'-3"			20'-3"		
A500	FOOTING	5	155	6'-3"			6'-3"		
B500	FOOTING	5	309	3'-11"	3'-8"		7'-7"		

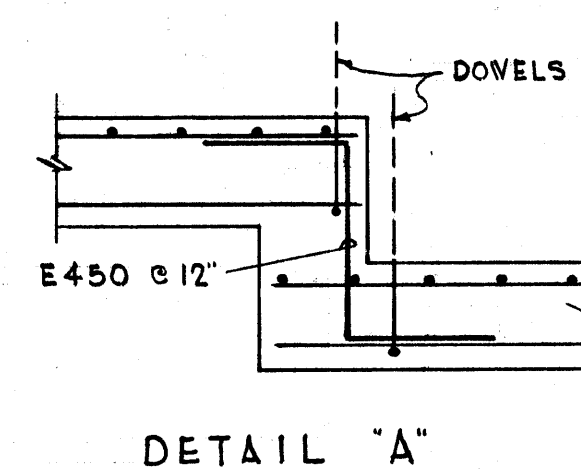
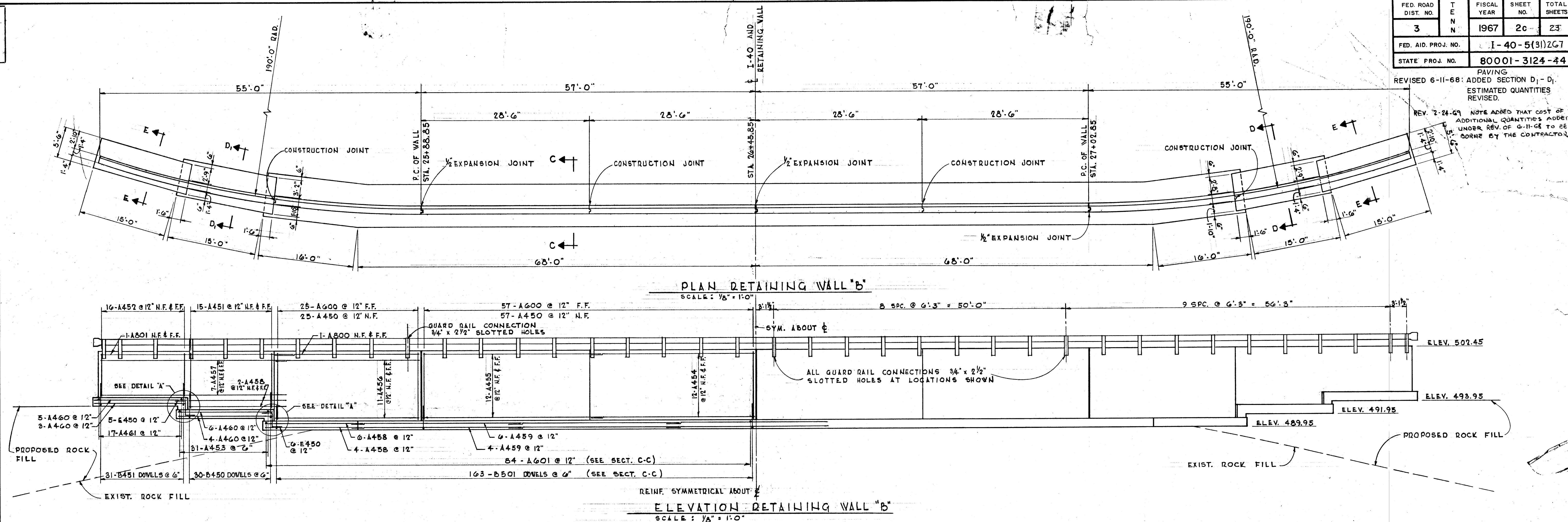
ESTIMATED QUANTITIES		
CLASS "A" CONCRETE CU. YD.		142
REINFORCING STEEL LBS.		8,680



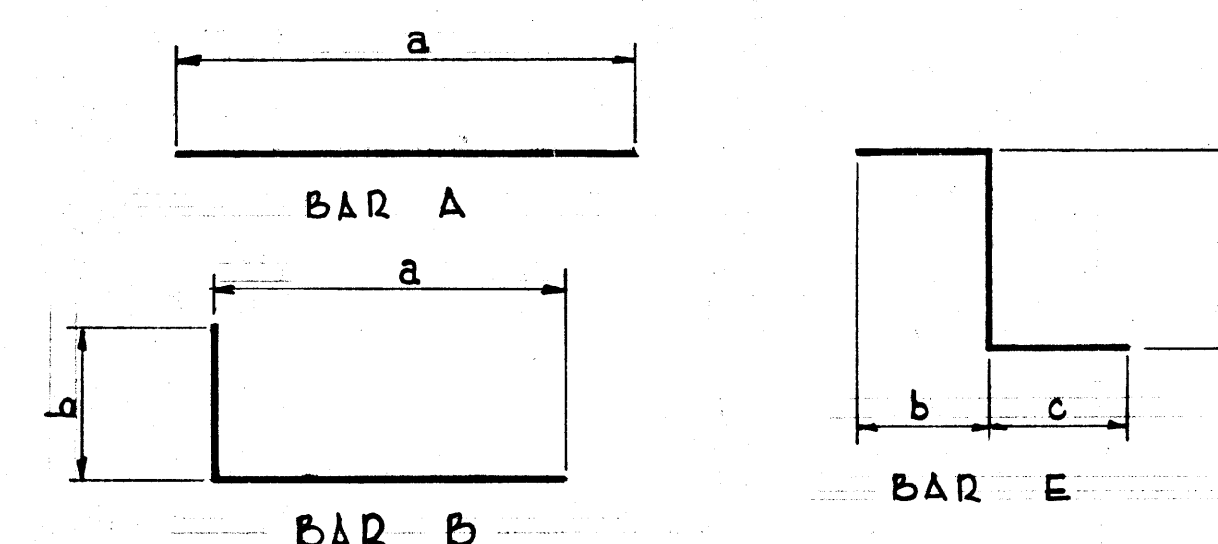
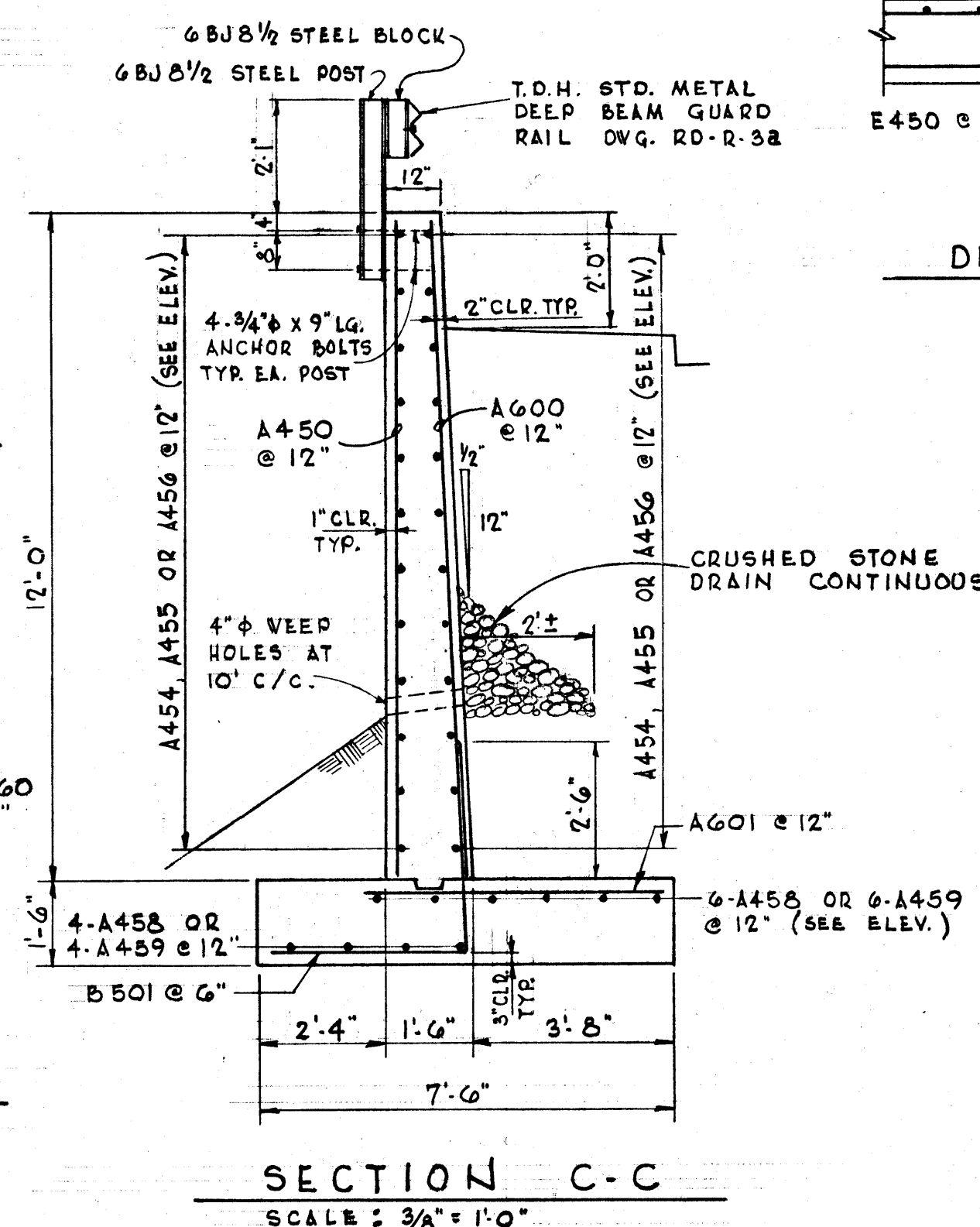
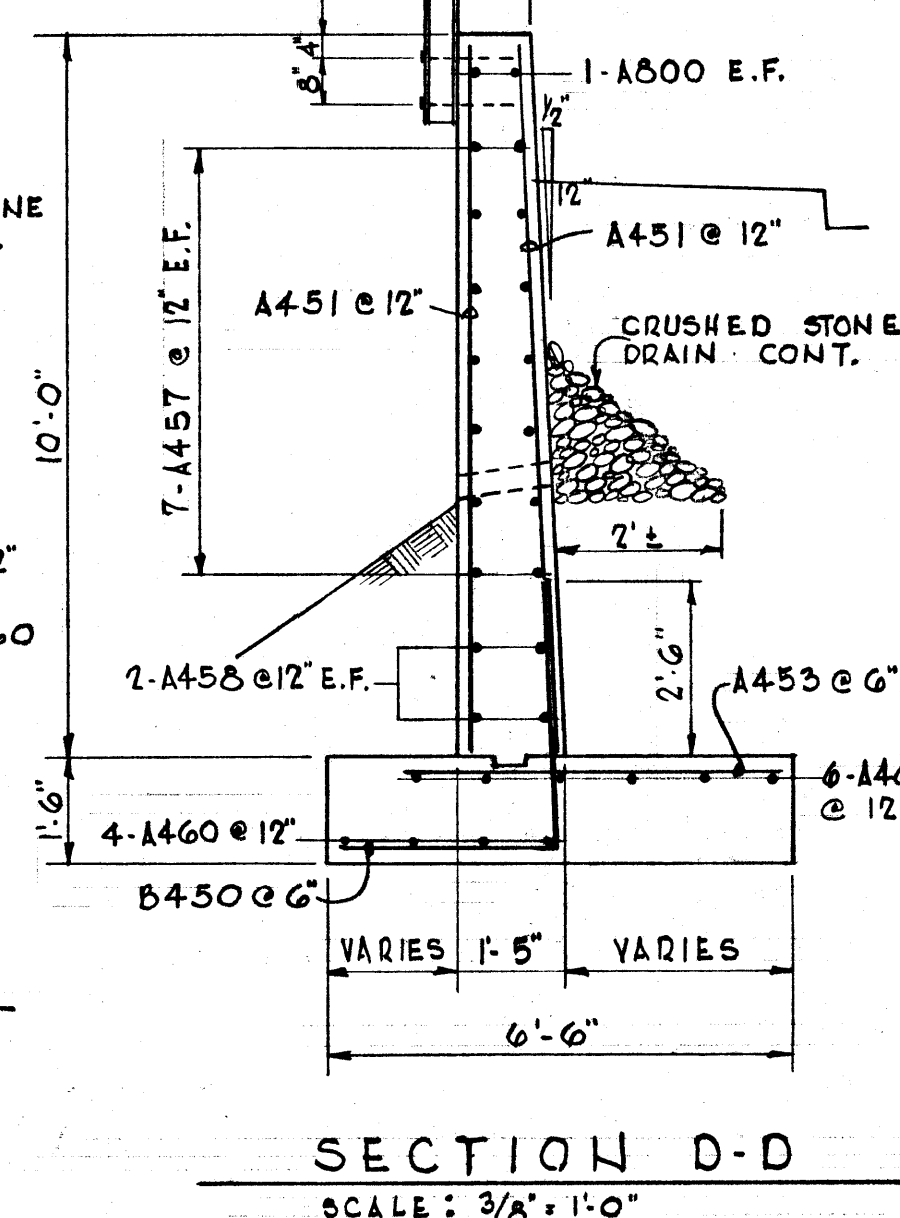
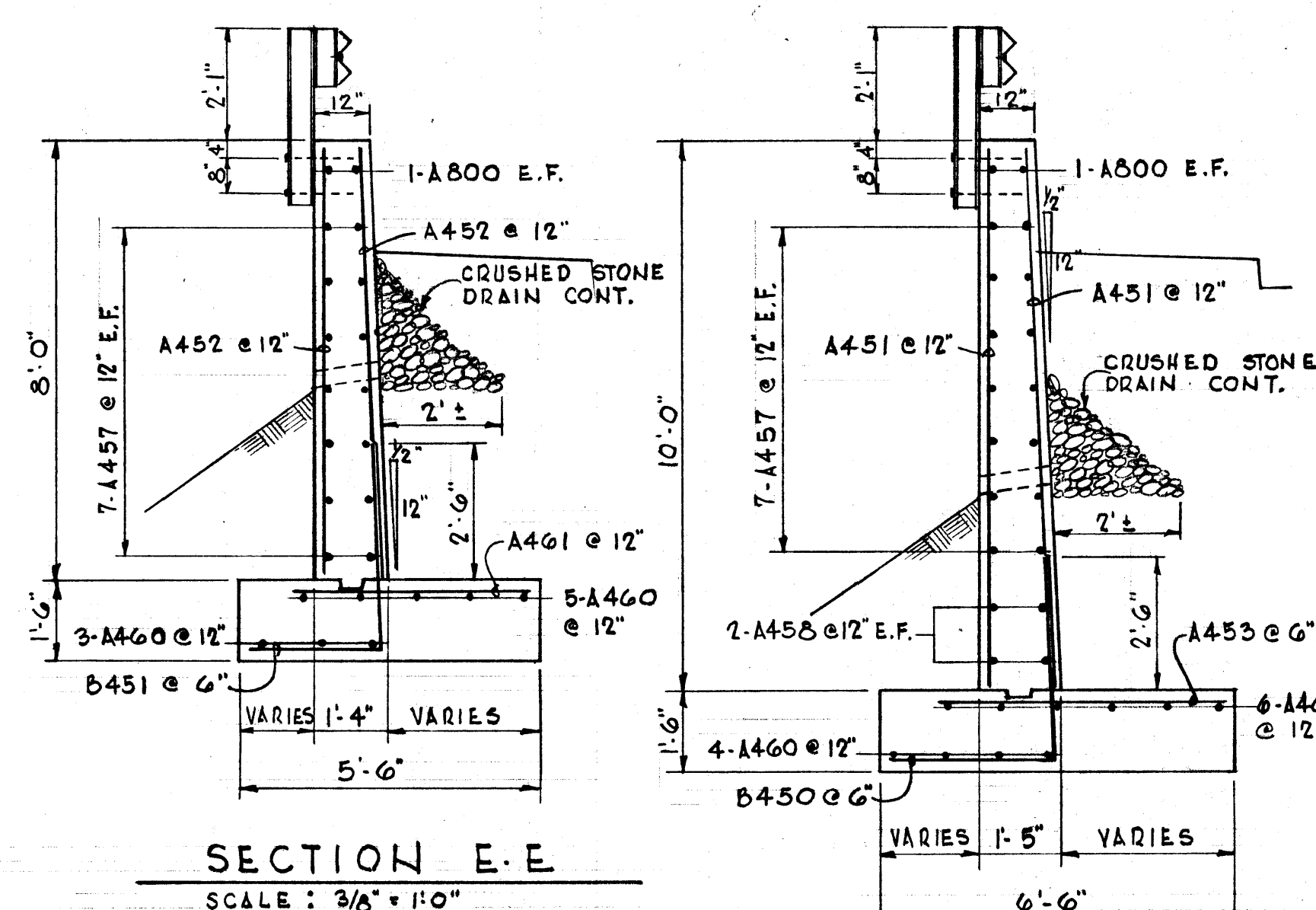
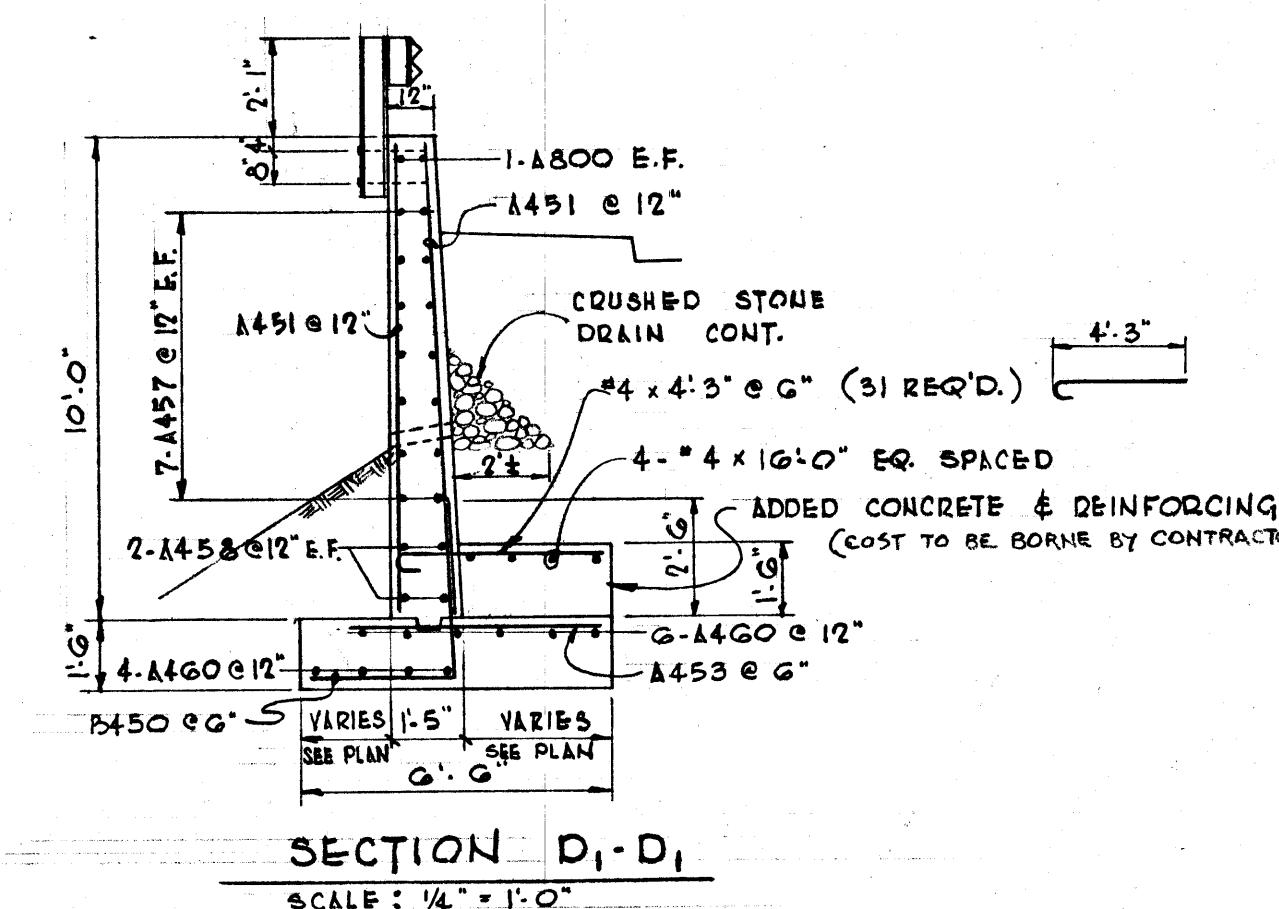
17W
RETAINING WALL DETAILS
REST AREA
I-40
SMITH COUNTY
TENNESSEE

PAVING
REVISED 6-II-68: ADDED SECTION D₁ - D₁.
ESTIMATED QUANTITIES
REVISED.

REV. 7-24-69 NOTE ADDED THAT COST OF
ADDITIONAL QUANTITIES ADDED
UNDER REV. OF 6-11-68 TO BE
BORNE BY THE CONTRACTOR

[illegible]

ESTIMATED QUANTITIES		REVISED QUANTITIES
CLASS "A" CONCRETE CU.YD.	210	213
REINFORCING STEEL lbs.	15,192	15,334
GUARD RAIL LIN. FT.	225	



17 W
RETAINING WALL DETAILS
REST AREA
I - 40 SMITH COUNTY
TENNESSEE

GENERAL NOTES

I. LAYOUT OF WORK

- A. DESIGN DATA FOR THIS PROJECT TAKEN FROM TOPOGRAPHIC SURVEY OF REST AREA AND CONSTRUCTION PLANS FOR COMPLETED PROJECTS I-40-5(9)264 & I-40-5(19)259 SIZE, AND TYPE OF EXISTING PIPE CULVERTS, DRAINAGE STRUCTURES AND PAVED DITCHES TO BE VERIFIED BY FIELD INSPECTION AND NECESSARY ADJUSTMENTS OF PROPOSED CONSTRUCTION TO BE ADJUSTED THERETO.
- B. SEE NOTE I ON SITE PLAN REGARDING LOCATION OF PICNIC SHELTERS, WALKS, ETC.
- C. SECTION OF I-40 ADJACENT TO PROJECT IS TO RECEIVE SECOND STAGE PAVING CONCURRENTLY WITH PROJECT UNDER INTERSTATE FUNDS.

2. CLEARING

- A. CLEARING AND GRUBBING ITEM FOR THIS PROJECT SHALL INCLUDE CLEARING AND GRUBBING OF ALL GROWTH IN CONSTRUCTION AREA, AS DIRECTED. NO TREES OR UNDERGROWTH SHALL BE REMOVED UNTIL COORDINATED ON THE SITE WITH THE ENGINEER, WHO WILL DESIGNATE CERTAIN EXISTING TREES OR SHRUBS TO BE LEFT UNDISTURBED.
- B. EXISTING FENCES SHALL BE REMOVED UNDER ITEM II-1.

3. GRADING

- A. GRADE ON PROFILE SAME AS GRADE ON CROSS-SECTIONS AND SAME AS PROFILE GRADE ON TYPICAL SECTION.
- B. THE GENERAL GRADING IN VICINITY OF BUILDINGS TO BE PAID FOR UNDER ITEM 13-3. INCIDENTAL GRADING AT PICNIC SHELTERS, TABLES, WALKS, ETC. TO BE INCLUDED IN THE COST OF THE RESPECTIVE ITEMS.
- C. ALL SURPLUS EXCAVATION TO BE DISPOSED OF BY CONTRACTOR AT HIS EXPENSE, AS APPROVED BY ENGINEER.
- D. THE TRAFFIC ALONG THE EXISTING INTERSTATE ROAD SHALL NOT BE INTERRUPTED DURING THE CONSTRUCTION OF THIS PROJECT.
- E. FOR SLOPE TRANSITIONS SEE DRAWING RD-L-1b, OR AS DIRECTED BY ENGINEER.
- F. THE CONTRACTOR WILL BE REQUIRED TO LOCATE AND FURNISH SOLID ROCK BORROW MATERIAL FROM A SITE APPROVED BY THE ENGINEER. ALL COST OF SAME TO BE INCLUDED IN THE UNIT PRICE BID FOR ITEM NUMBER 15-2. THE BORROW MATERIAL SHALL BE TAKEN IN A MANNER SO THAT IT MAY BE READILY MEASURED. IF BORROW EXCAVATION IN EXCESS OF QUANTITY SHOWN ON THE PLANS AND/OR IN BALANCES OTHER THAN SHOWN ON PLANS IS REQUIRED, IT SHALL BE FURNISHED BY THE CONTRACTOR AT THE UNIT PRICE BID FOR ITEM NUMBER 15-2.
- G. EXISTING WELL AND CISTERN STRUCTURES SHALL BE DEMOLISHED. WELLS AND CISTERNS SHALL BE COMPLETELY FILLED, TOPSOILED AND SEEDED. COST OF DEMOLITION AND BACK-FILLING SHALL BE INCLUDED IN OTHER ITEMS.

4. DRAINAGE

- A. THE COST OF CULVERT EXCAVATION FOR CATCH BASINS, PIPE CULVERTS, AND SIDE DRAIN IS TO BE INCLUDED IN THE UNIT PRICE BID FOR CLASS "A" CONCRETE AND PIPE CULVERT.
- B. THE COST OF CUTTING INLET AND OUTLET DITCHES WHERE SHOWN ON PLANS OR AS DIRECTED BY THE ENGINEER WILL BE PAID FOR AT THE UNIT PRICE BID FOR ITEM 13-3.
- C. THE COST OF REMOVAL OF EXISTING HEADWALLS TO BE INCLUDED IN OTHER ITEMS.
- D. STONE UNDERDRAINS WITH PIPE TO BE PLACED ACCORDING TO TYPICAL SECTIONS AND DRAINED TO PROPOSED DRAINAGE STRUCTURES OR PIPE AS DIRECTED BY ENGINEER.

5. PAVED DITCHES

- A. ALL EARTHEN DITCHES HAVING GRADES OF 3% OR MORE ARE TO BE PAVED, AND THOSE HAVING GRADES OF LESS THAN 3% ARE TO BE SODDED. THE CONTRACTOR WILL BE REQUIRED TO PAVE DITCHES LESS THAN 3% IF AND WHERE DEEMED NECESSARY BY THE ENGINEER.
- B. ONE-HALF INCH TRANSVERSE PREMOULDED FIBER EXPANSION JOINTS WILL BE REQUIRED AT 60' INTERVALS IN ALL CONCRETE PAVED DITCHES, COST TO BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 135-4-B.
- C. THREE-FOURTH INCH EXPANSION JOINTS SHALL BE PLACED WHERE PAVED DITCH IS IN CONTACT WITH STRUCTURES.
- D. WHERE A CULVERT IS MOVED TO A NEW LOCATION OTHER THAN SHOWN ON PLANS, INCREASING OR DECREASING THE AMOUNT OF CULVERT EXCAVATION, NO INCREASE IN PAVEMENT OR DEDUCTION WILL BE MADE DUE TO CHANGES IN THE AMOUNT OF CULVERT EXCAVATION.

6. SEEDING AND SODDING

- A. ALL SIDE SLOPES AND ALL OTHER FRESHLY GRADED AREAS OUTSIDE LIMITS OF PROPOSED PAVEMENTS ARE TO BE CAPPED WITH 3" OF TOP SOIL AND SEEDED OR SODDED AS INDICATED ON TYPICAL SECTIONS AND DITCH DETAILS, AND AS DIRECTED BY THE ENGINEER IN ACCORDANCE WITH SPECIAL PROVISIONS REGARDING ITEMS 13-31, 21-1, 189, AND 500.
- B. ALL AREAS WITHIN THE SITE WHICH ARE DISTURBED BY THE CONTRACTOR, AND DO NOT REQUIRE PAVEMENT, SHALL BE TOP SOILED AND SEEDED OR SODDED AS DIRECTED BY THE ENGINEER.
- C. ALL AREAS OUTSIDE LIMITS OF SEEDING AND SODDING, DISTURBED BY THE CONTRACTOR, SHALL BE RESTORED TO THEIR ORIGINAL CONDITION AT THE EXPENSE OF THE CONTRACTOR.

7. FENCING

- A. LOCATION OF STOCK FENCE WILL BE ONE FOOT INSIDE OF RIGHT OF WAY LINE, UNLESS OTHERWISE SHOWN ON PLANS OR AS DIRECTED BY ENGINEER.

TO BE CONSTRUCTED UNDER PROJ. I-40-5(31)267

8. BUILDING

- A. ITEM 801-1 SHALL INCLUDE THE REST AREA BUILDING IN ITS ENTIRETY, INCLUDING ALL GENERAL CONTRACTOR'S WORK CONTAINED THEREIN WITH EXCEPTION ONLY OF THOSE ITEMS LISTED SEPERATELY UNDER THE BUILDING AND EQUIPMENT QUANTITIES SCHEDULE.
- B. MANUFACTURERS NAMES AND TRADE NAMES HAVE BEEN USED TO SPECIFY MATERIALS. MATERIALS OF EQUAL QUALITY TO THOSE SPECIFIED MAY BE USED IF APPROVED BY THE ENGINEER.
- C. ALL NECESSARY LICENSES AND BUILDING PERMITS SHALL BE OBTAINED AND PAID FOR BY THE CONTRACTOR TOGETHER WITH ALL INSPECTION FEES, ETC., REQUIRED BY THE LOCAL MUNICIPALITY.
- D. THE CONTRACTOR SHALL FILE WITH THE ENGINEER AT THE TIME OF SIGNING THE CONTRACT AND CONTINUING IN FORCE UNTIL COMPLETION OF WORK, CERTIFICATES SHOWING EVIDENCE OF HIS CARRIAGE OF THE FULL FORMS OF BUILDER'S RISK, LIABILITY AND WORKMAN'S COMPENSATION INSURANCE IN CURRENT FORCE AS REQUIRED BY STATE LAWS.
- E. THE CONTRACTOR SHALL PROVIDE AN ACCEPTABLE, HOUSED LATRINE FOR USE OF THE WORKMEN DURING CONSTRUCTION.
- F. WHERE THE WORD "ARCHITECT" IS USED IN REGARD TO APPROVAL OF MATERIALS AND/OR WORKMANSHIP THROUGHOUT THE SPECIFICATIONS FOR THE REST AREA, IT SHALL BE CONSTRUED TO MEAN THE STATES ENGINEER.

9. PICNIC SHELTER AND EQUIPMENT

- A. THE PICNIC SHELTERS, GRILLS, PICNIC TABLES, GARBAGE RECEPTACLES, ETC., SHALL INCLUDE ALL MATERIALS AND ALL WORK INCIDENTAL TO INSTALLATION SUCH AS FINE GRADING, ANCHORAGE, CONCRETE BASES AND/OR FOOTINGS, COMPLETE EXCEPT FOR SEEDING AROUND SAME, AND CONCRETE PADS FOR UNSHELTERED TABLES, WHICH ARE SEPARATE PAY ITEMS.

10. UTILITIES

- A. WATER SHALL BE SUPPLIED FROM THE CANEY FORK RIVER. CONTRACTOR SHALL CONSTRUCT RAW WATER INTAKE, WATER TREATMENT BUILDING, AND LAY ALL WATER LINES AND APPURTENANCES SHOWN ON DRAWINGS.
- B. SEWAGE DISPOSAL SHALL BE BY PACKAGE TREATMENT PLANT AND HOLDING BASIN. A GRAVITY LINE SHALL RUN FROM THE REST AREA BUILDING TO THE TREATMENT PLANT, AND AN OUTFALL LINE SHALL RUN TO THE CANEY FORK RIVER. CONTRACTOR SHALL FURNISH ALL EQUIPMENT, PIPING AND APPURTENANCES IN CONNECTION THEREWITH.
- C. ELECTRICAL SERVICE WILL BE PROVIDED TO THE SITE BY THE UPPER CUMBERLAND ELECTRIC MEMBERSHIP CORPORATION, CARTHAGE, TENNESSEE.
- D. SEE SPECIAL PROVISION REGARDING VINYL WATER STOPS, FOR CONSTRUCTION JOINTS IN WATER TREATMENT BUILDING.

FED. ROAD DIST. NO.	T E N	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
3	N	1967	21	71
I-40-5(31)267 PAVING				

REV. 12-9-71: GENERAL NOTE NOS. 8, 9 AND 10 DELETED FROM PROJ. LSI-40-5(5)268 AND ADDED TO PROJ. I-40-5(31)267. THIS SHT. ADDED TO PROJ. I-40-5(31)267, FOR NOTES 3, 9 & 10 ONLY.

FED. ROAD DIST. NO.	T E N	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
3	N	1967	21	71
I-40-5(31)267 PAVING				

FED. AID PROJ. NO.	LSI-40-5(5)268
STATE PROJ. NO.	80001-3123-04

II. SIGNING

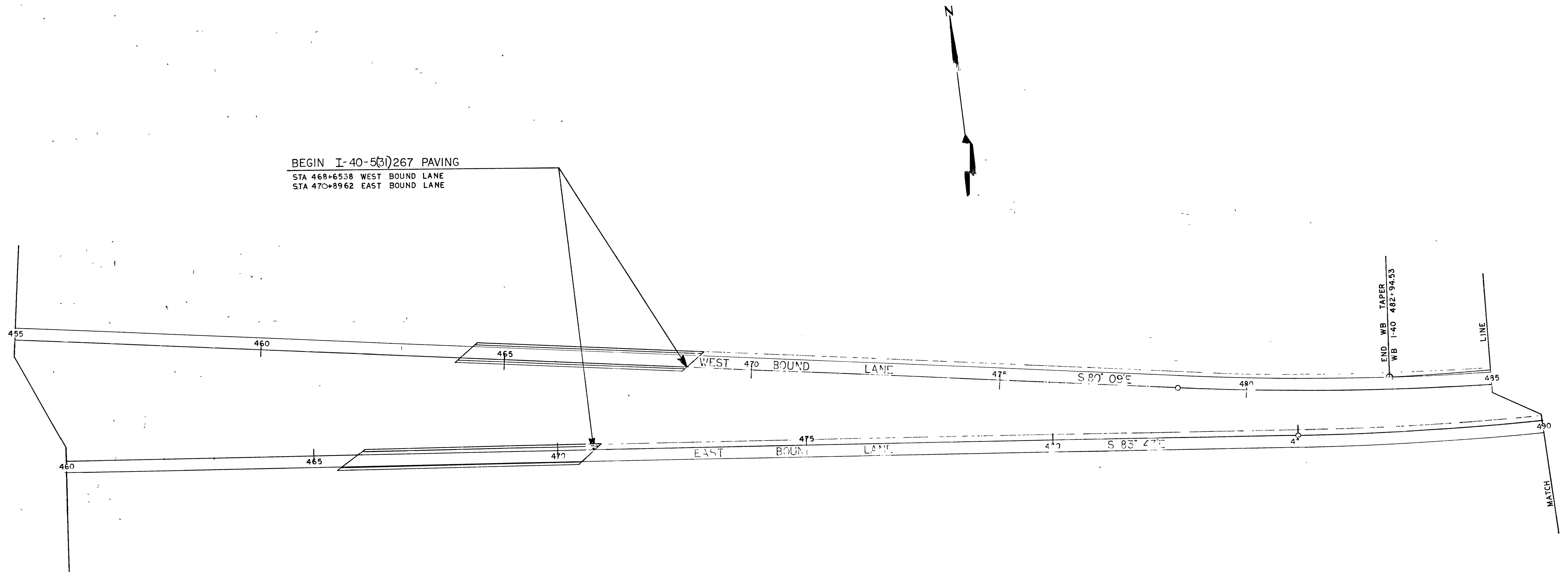
- A. THE LENGTHS OF ALL SIGN SUPPORTS SHOWN ON THE SIGN SCHEDULE ARE APPROXIMATE AND ARE FOR ESTIMATING PURPOSES ONLY. THE LENGTHS WERE COMPUTED FROM THE CROSS-SECTIONS CONTAINED IN THE CONSTRUCTION PLANS. THE CONTRACTOR SHALL VERIFY ALL SUPPORT LENGTHS AT THE SITE PRIOR TO ERECTION.
- B. THE LETTERS, DIGITS, ARROWS, BORDERS AND ALPHABET ACCESSORIES ON ALL FLAT SHEET SIGNS SHALL BE APPLIED BY SILK SCREENING OR REVERSE SILK SCREENING PROCESS. THE LETTERS, DIGITS, ARROWS, BORDERS AND ALPHABET ACCESSORIES ON ALL EXTRUDED PANEL SIGNS SHALL BE DEMOUNTABLE AND ATTACHED TO THE SIGN FACE AS OUTLINED IN THE SPECIAL PROVISION.
- C. WHERE POSSIBLE THE TOP OF THE SIGN FOOTING SHALL BE PLACED LEVEL WITH THE GROUND LINE. (SEE STD. DWG. RD-S-10).
- D. AFTER THE SIGN LOCATIONS HAVE BEEN STAKED, BUT PRIOR TO ORDERING ANY MATERIAL FOR THE SUPPORTS, THERE SHALL BE A FIELD INSPECTION AND APPROVAL BY THE STATE, BUREAU AND CONTRACTOR.
- E. SIGNS WITH A LATERAL CLEARANCE OF 30' OR MORE ARE TO BE AT LEAST 2' ABOVE GROUND AT CLOSEST POINT.

17W

GENERAL NOTES FOR REST AREA

ON I-40 SMITH COUNTY
LSI-40-5(5)268 80001-3123-94

FED. ROAD DIST. NO.	TENN.	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
3	N.	I-40-5(3)267 PAVING	1967.	3	23



INTERSTATE ROADWAY AND SHOULDERS INDICATED BY SHADED AREAS ARE TO BE CONSTRUCTED UNDER THIS PROJECT, I-40-5(3)267. (FINAL STAGE) PAVING

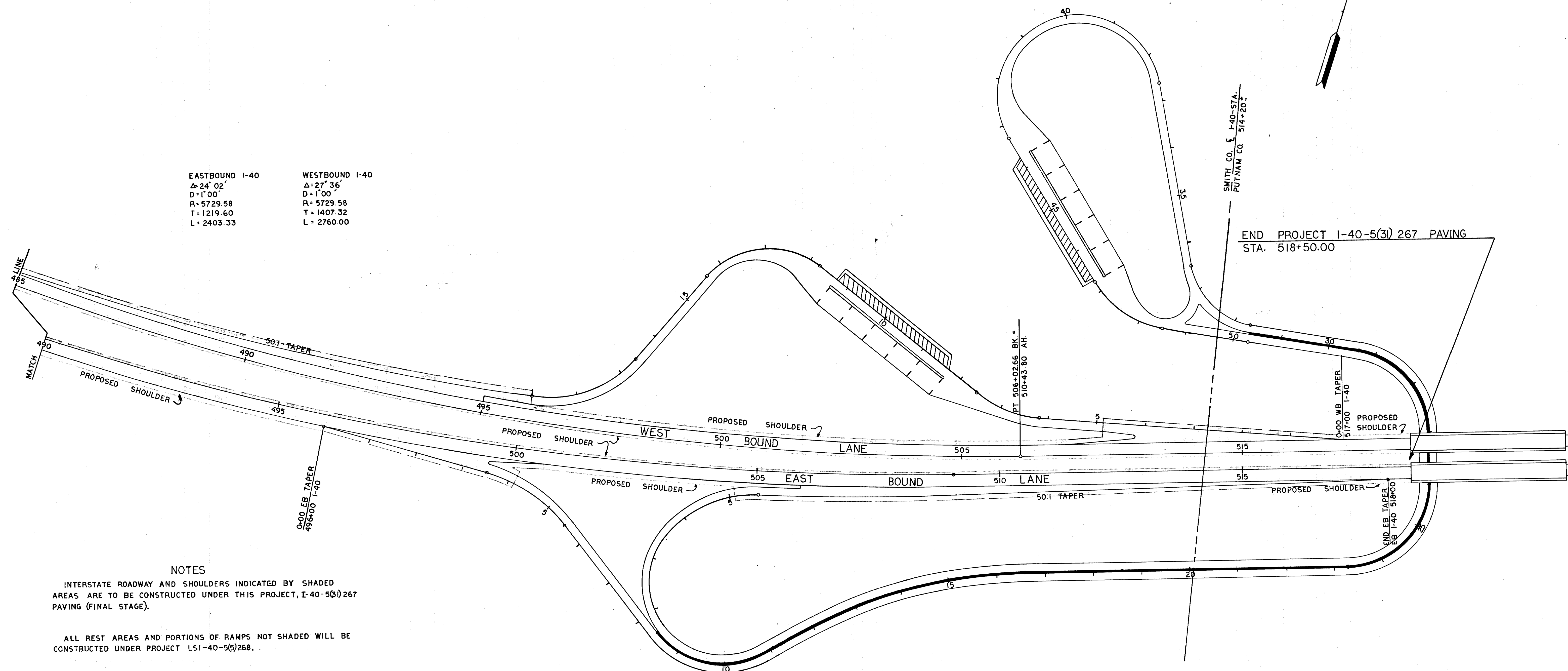
ALL REST AREAS, RAMPS, ACCELERATION AND DECELERATION LANES, AND SHOULDERS NOT SHADED WILL BE CONSTRUCTED UNDER PROJECT I-40-5(3)267.

PAVING LAYOUT
SCALE 1" = 100'

TELEPHONE
1-40-5(3)267
1967

MICROFILMED

FED. ROAD DIST. NO.	TENN.	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
3	N.	I-40-5(3)267 PAVING	1967	4	23



NOTES

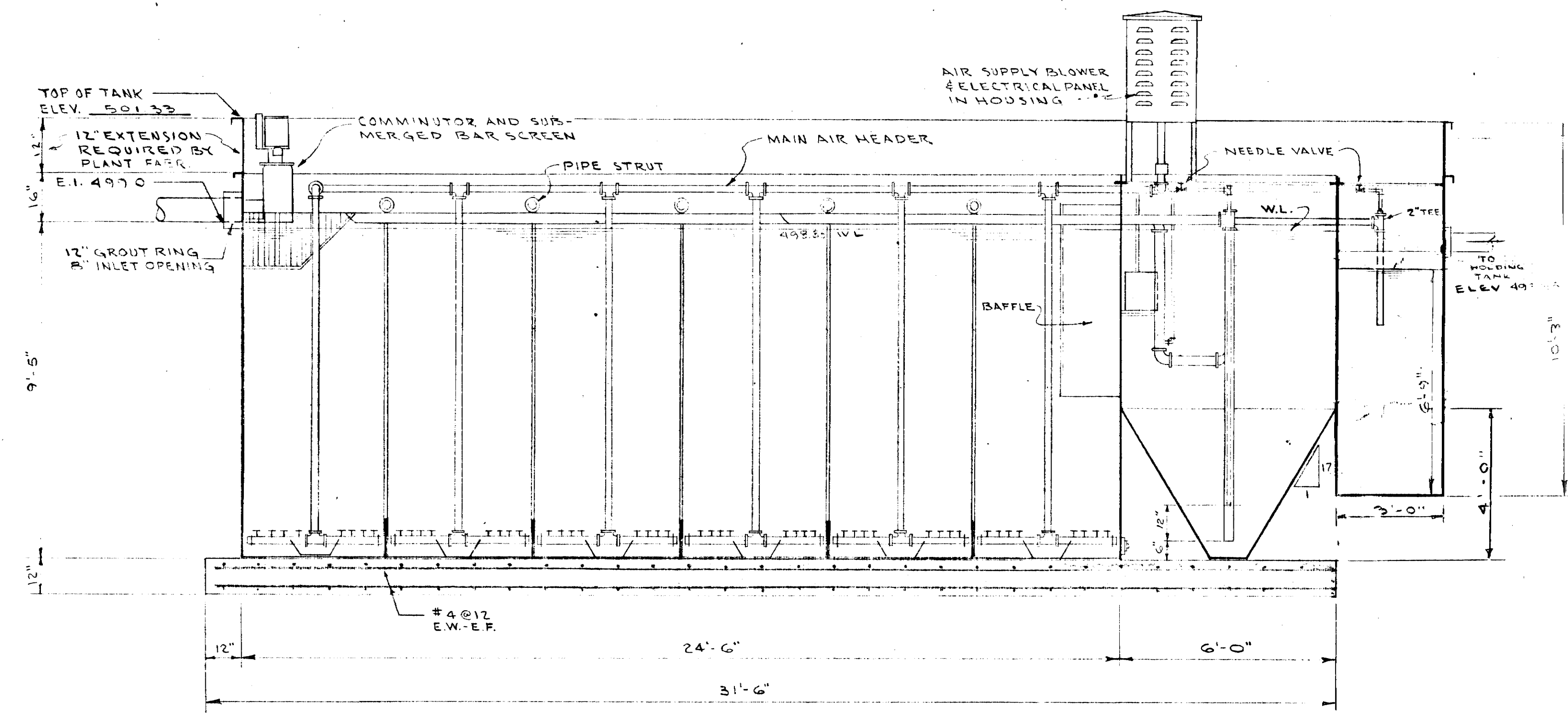
INTERSTATE ROADWAY AND SHOULDERS INDICATED BY SHADED AREAS ARE TO BE CONSTRUCTED UNDER THIS PROJECT, I-40-5(3)267 PAVING (FINAL STAGE).

ALL REST AREAS AND PORTIONS OF RAMPS NOT SHADED WILL BE CONSTRUCTED UNDER PROJECT LSI-40-5(5)268.

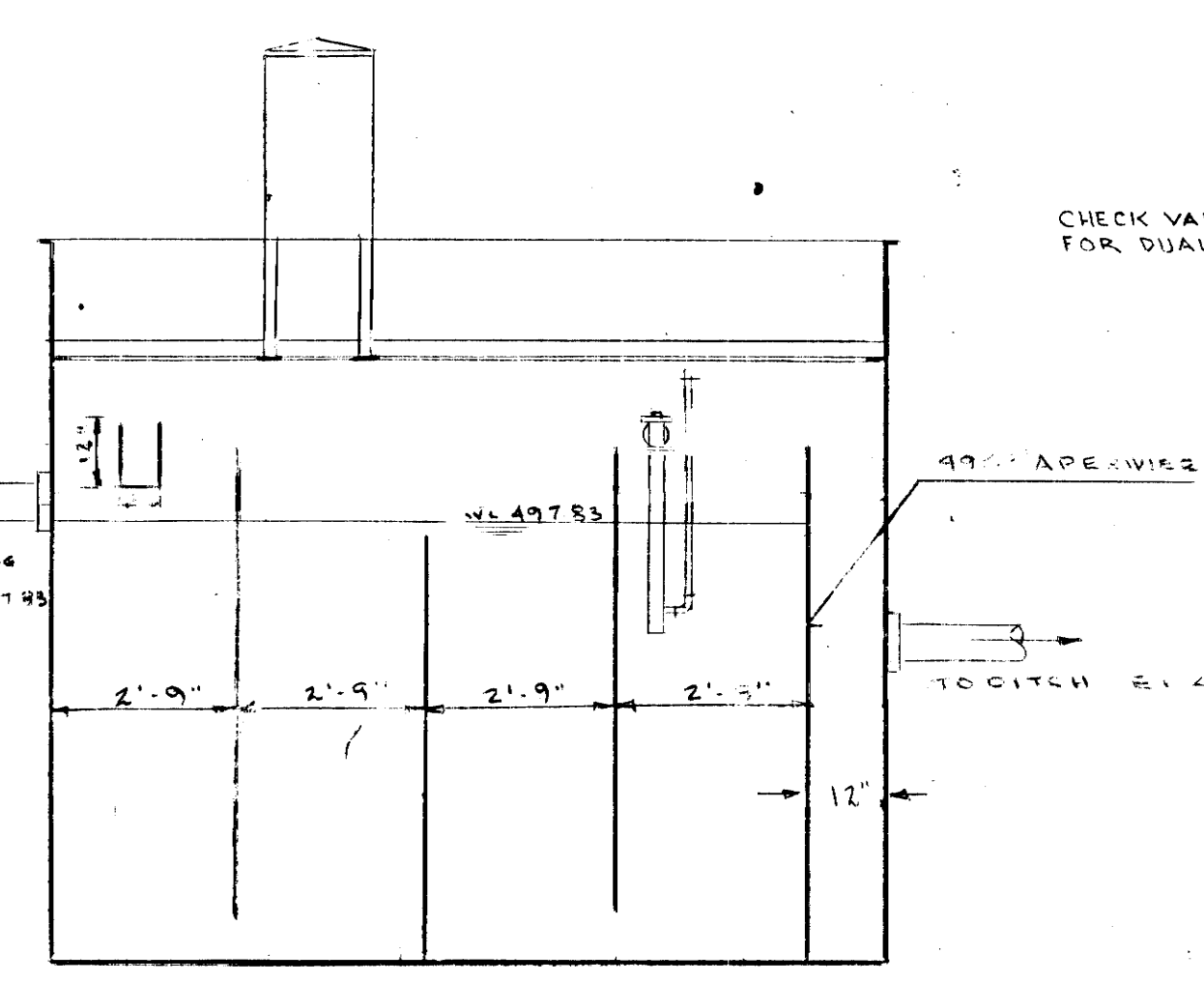
PAVING LAYOUT
SCALE 1" = 100'

FED. ROAD DIST. NO.	T E N N	FISCAL YEAR	SHEET NO	TOTAL SHEETS
3	N	1967	19	71
FED. AID PROJ. NO.		1-40-5(5)268		
STATE PROJ. NO.		80001-3123-94		

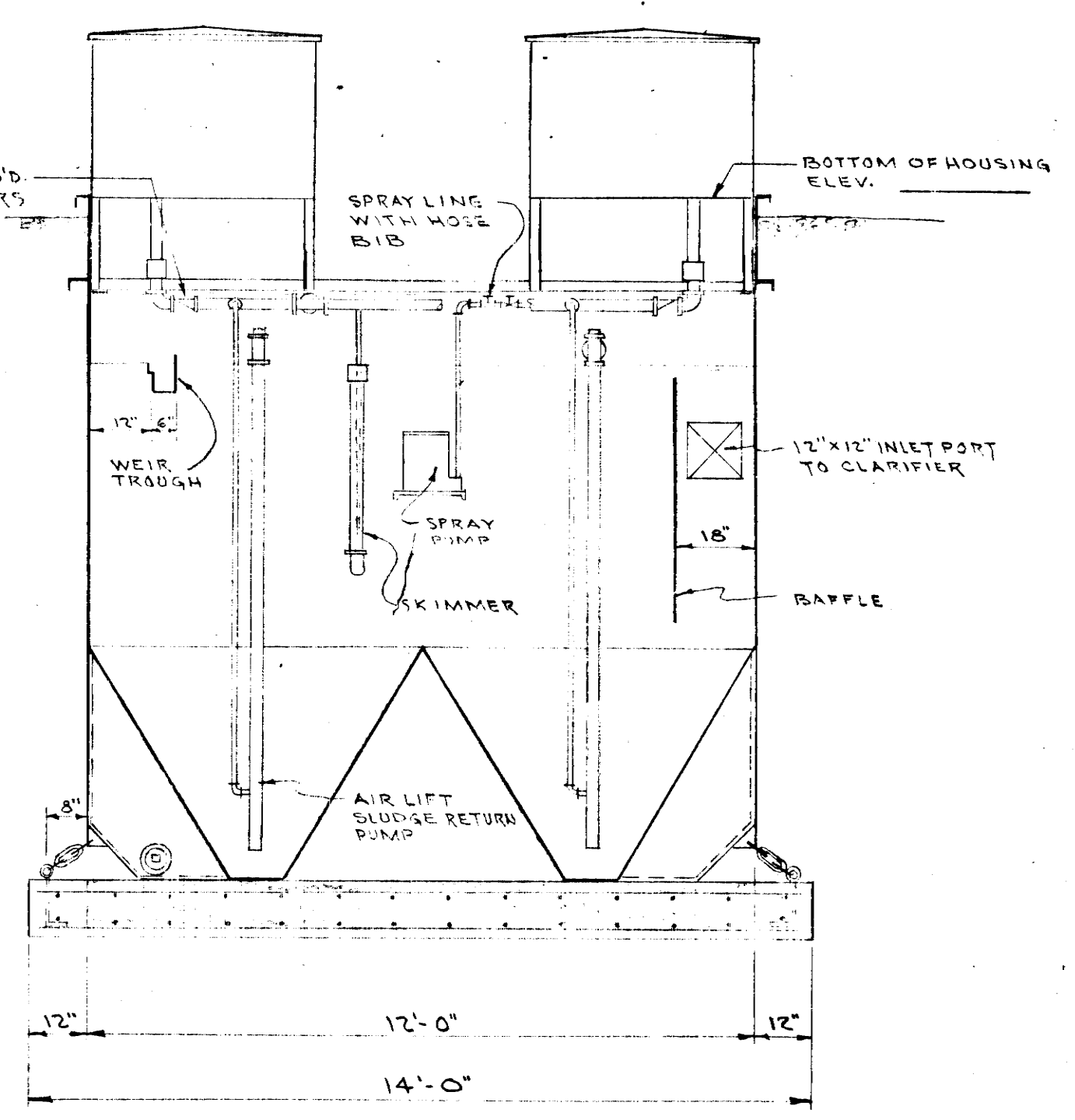
I-40-5(3)267 14m
 REV. 12-9-71 THIS SHT ADDED TO PROJ. I-40 5(3) 267.



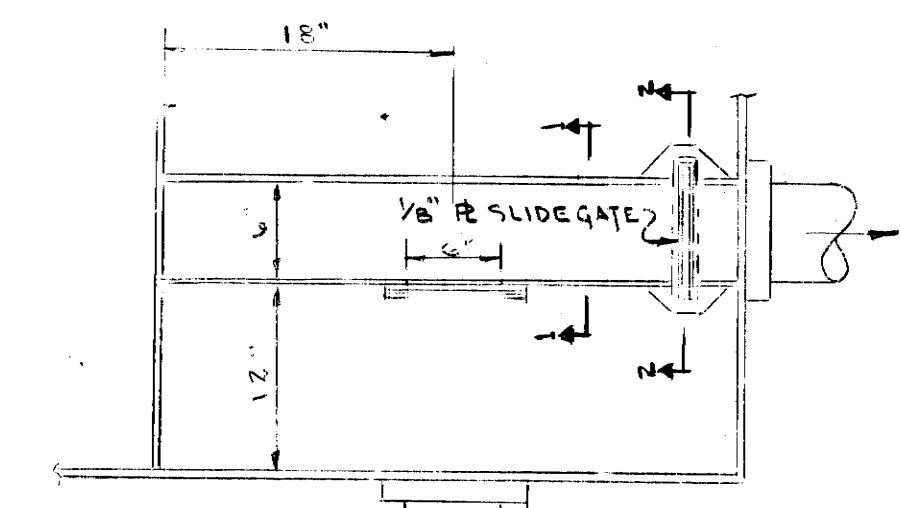
SECTION A-A



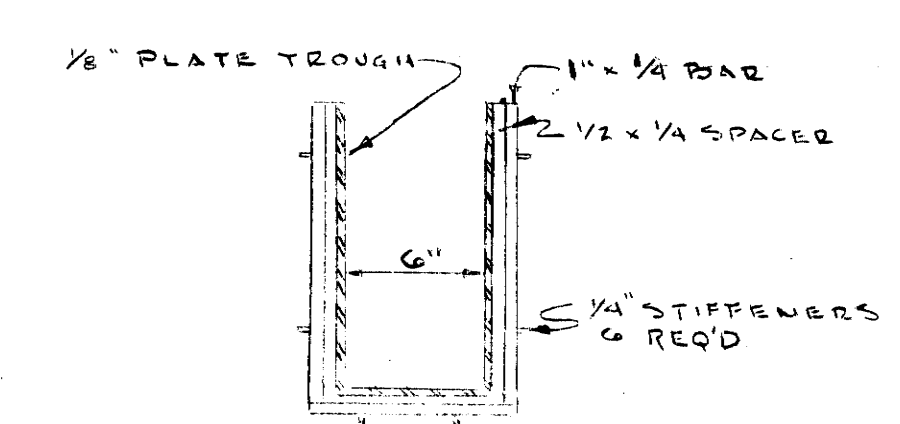
SECTION D-D



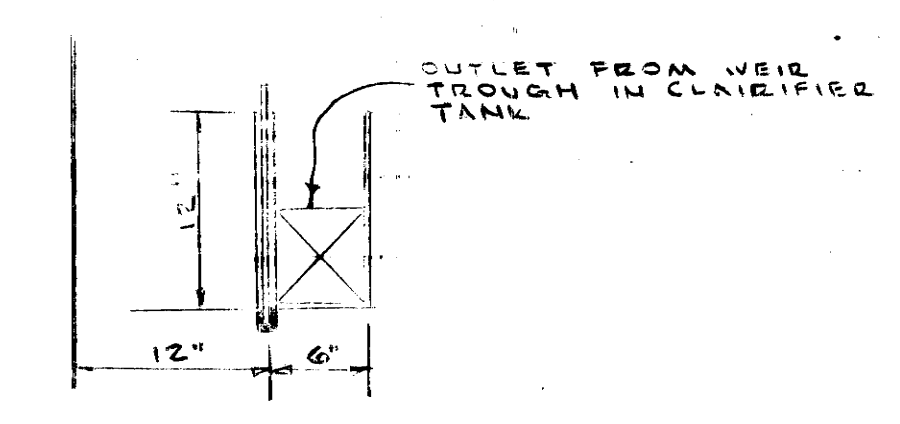
SECTION C-C



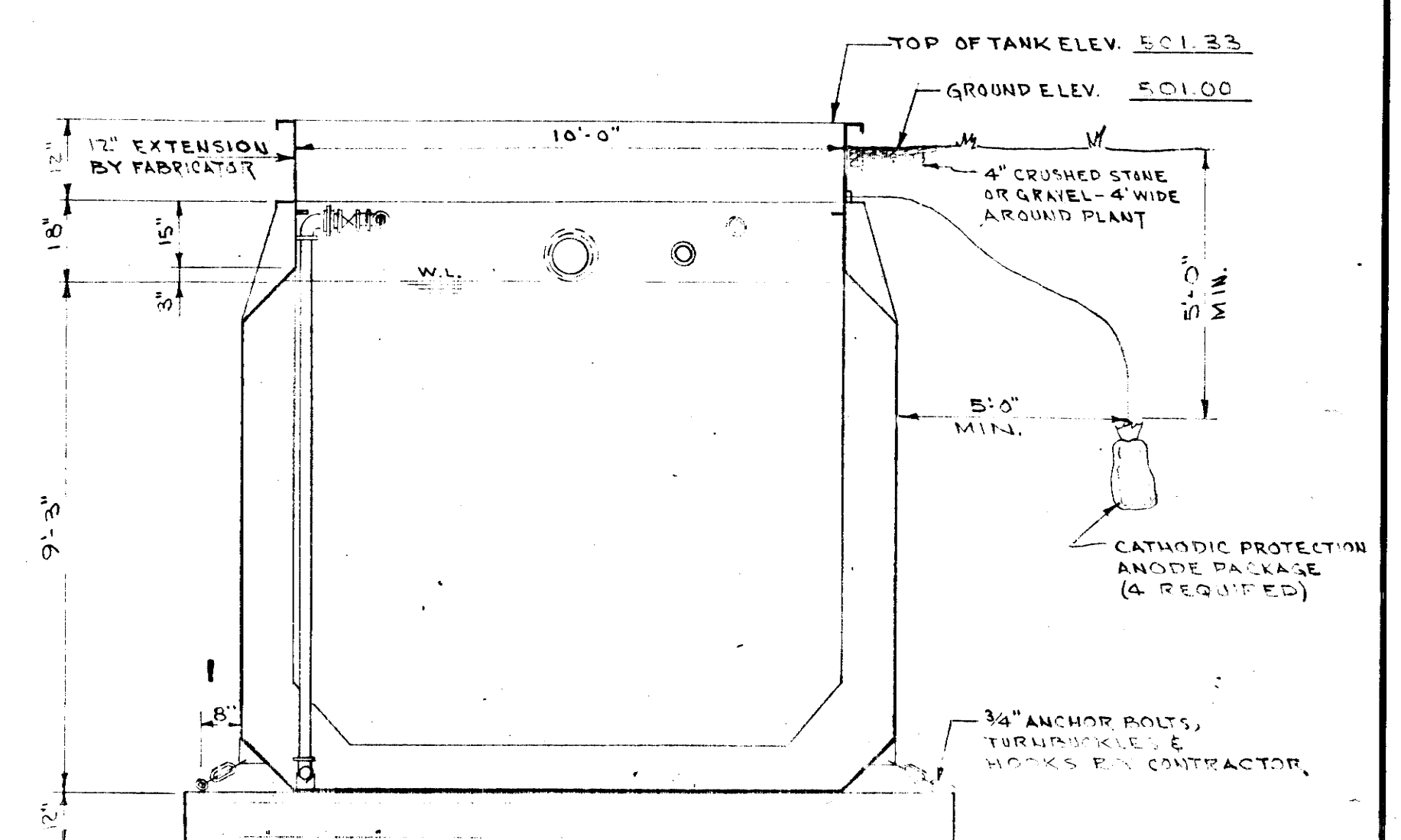
FLUME & GATE DETAIL



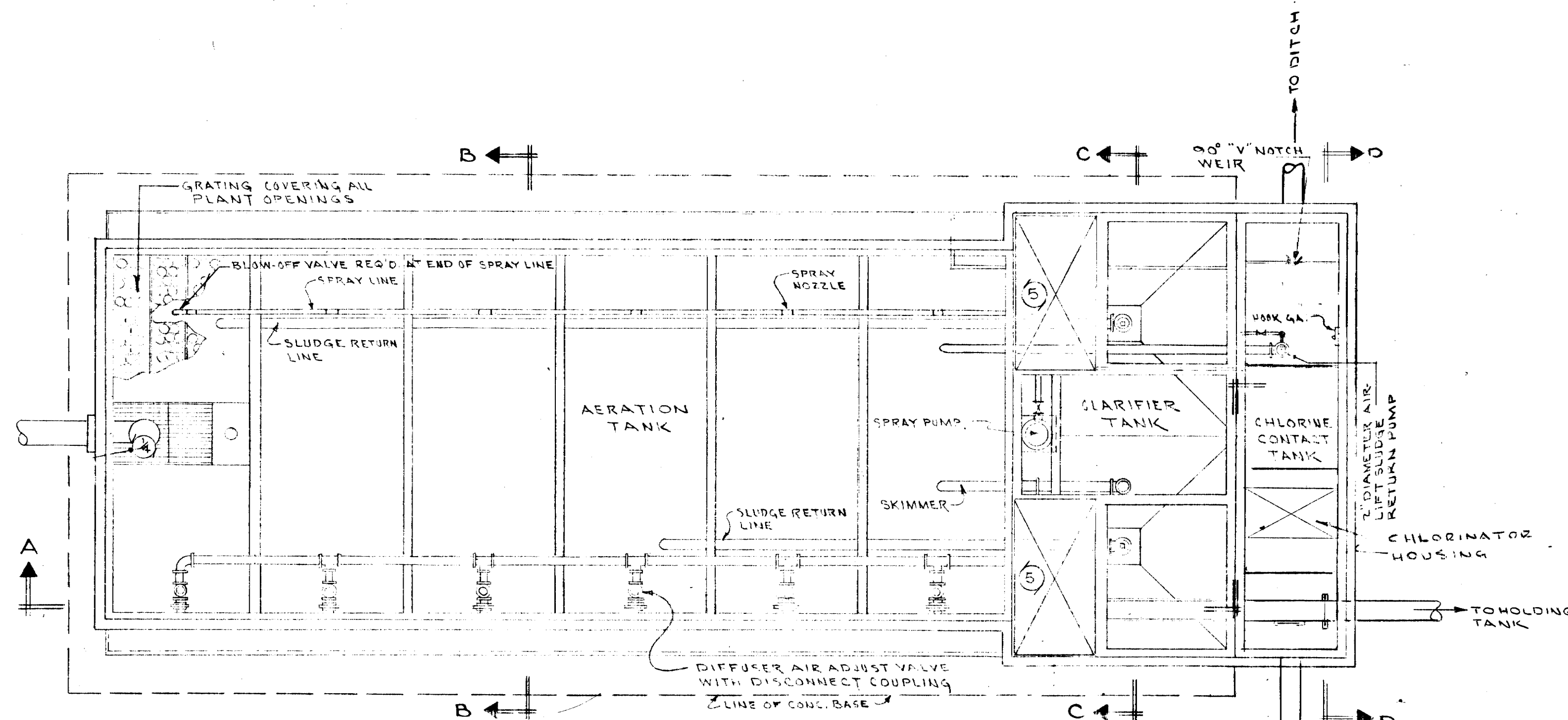
SECTION 1-1



SECTION 2-2



SECTION B-B



PLAN
 SCALE: 3/8"=1'-0"

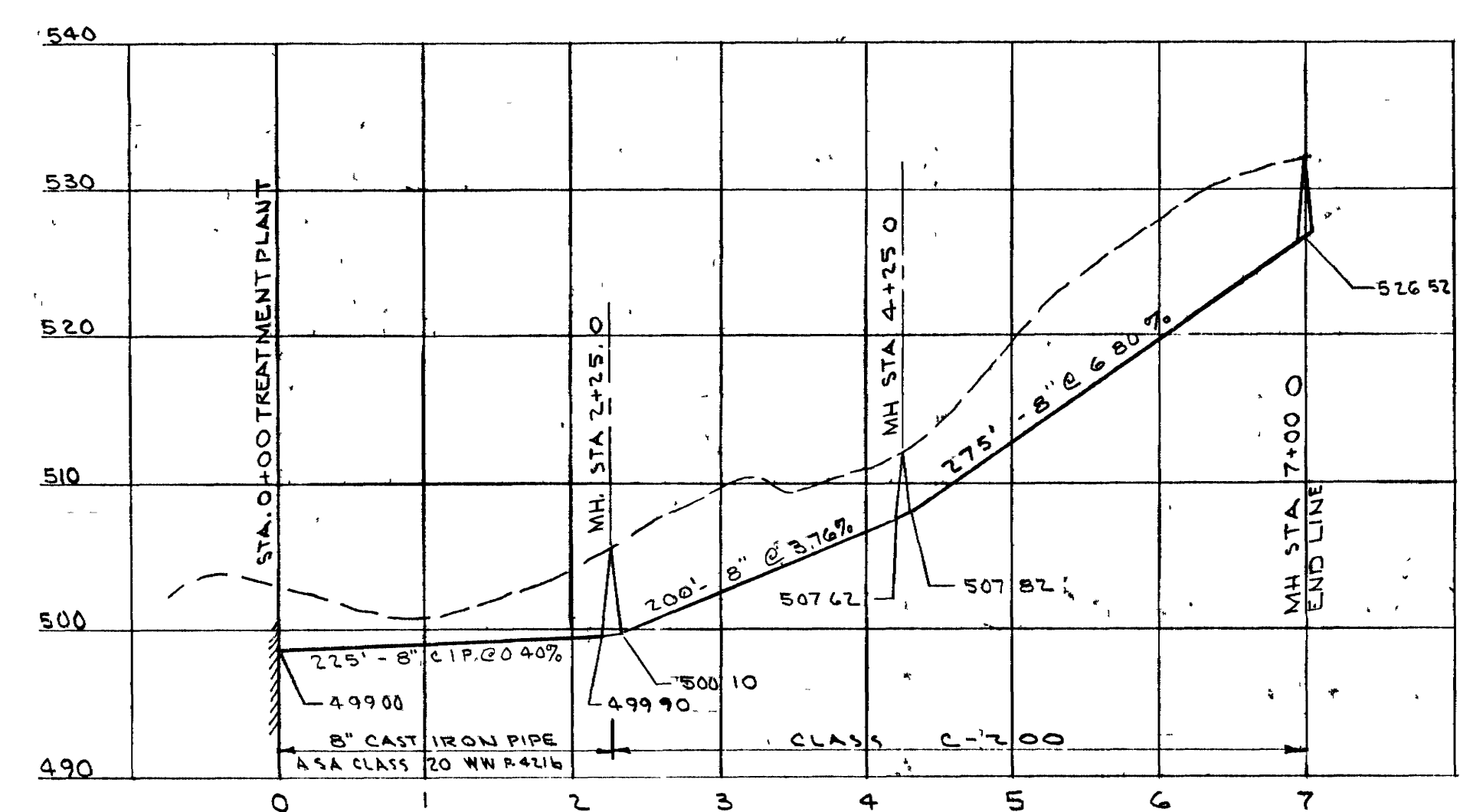
17W
 SEWAGE TREATMENT PLANT
 REST AREA
 I-40 SMITH COUNTY
 TENNESSEE

TRIM ON THIS LINE FOR SEPARATE SHEETS

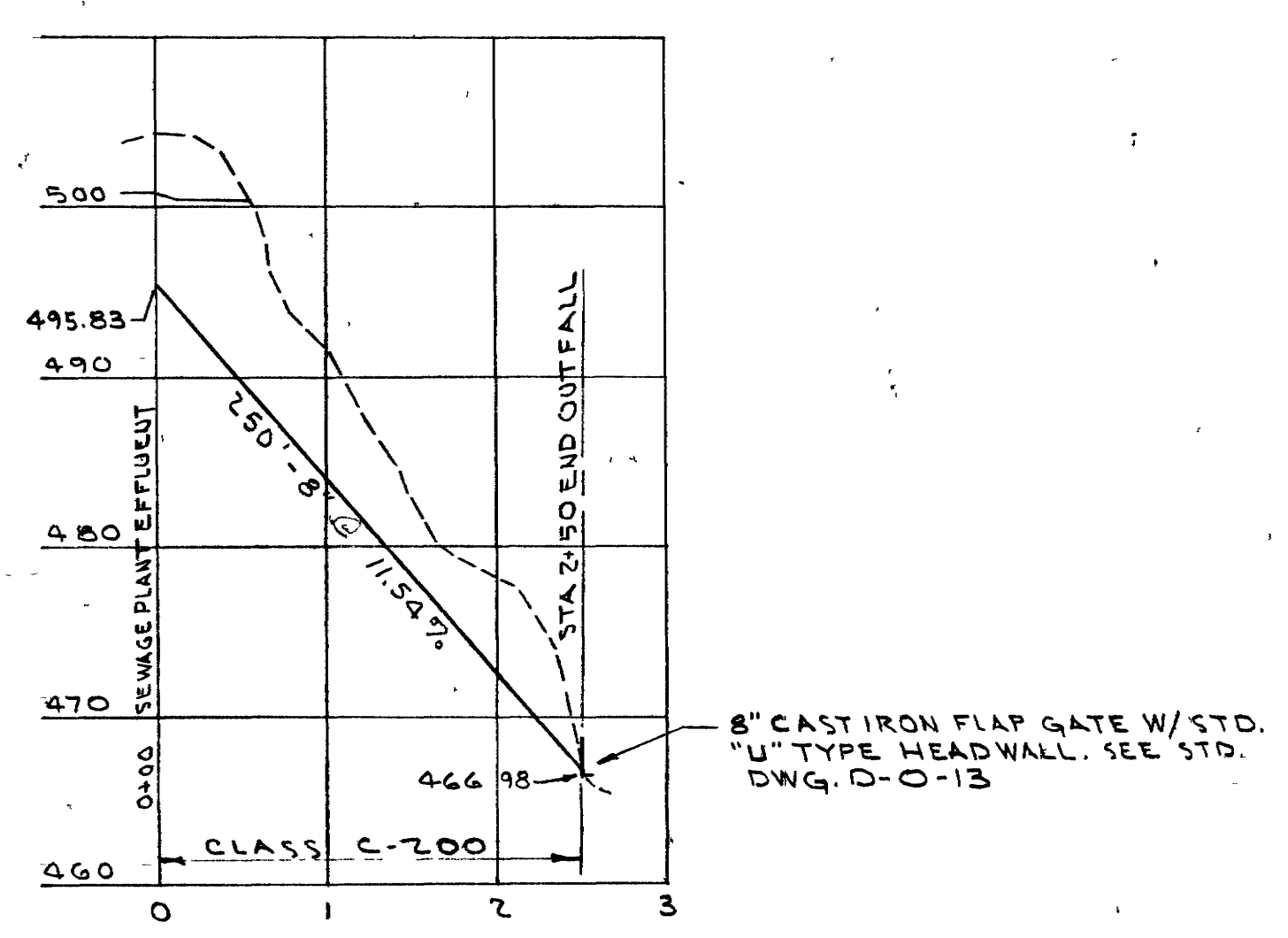
MICROFILMED

FED. ROAD DIST. NO.	T E N	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
3	N	I-40-5(31)267	9	4n	
REV 12-9-71: THIS SHT. ADDED TO PROJECT I-40-5(31)267					

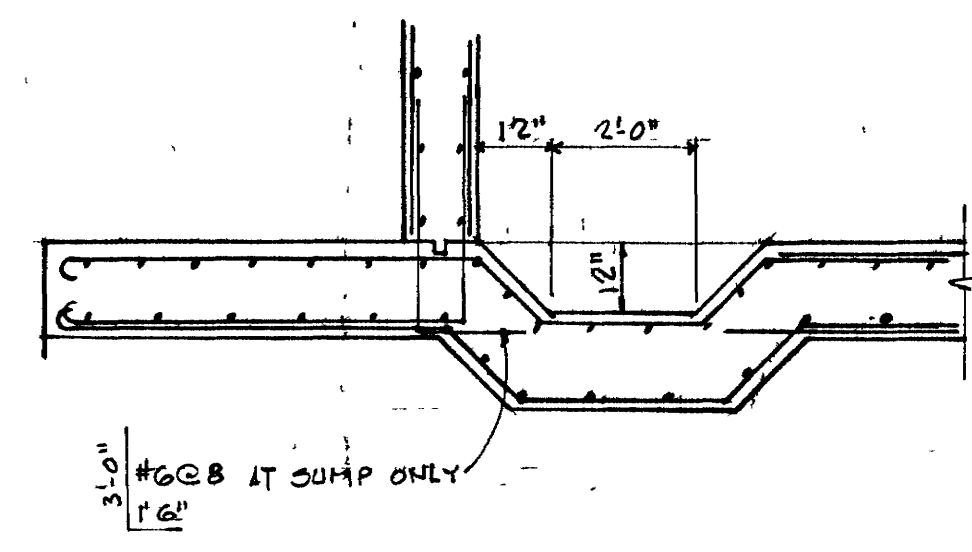
FED. ROAD DIST. NO.	T E N	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
3	N	1967	20	71
FED. AID PROJ. NO.		131-40-5(5)268		
STATE PROJ. NO.		80001-5123-94		



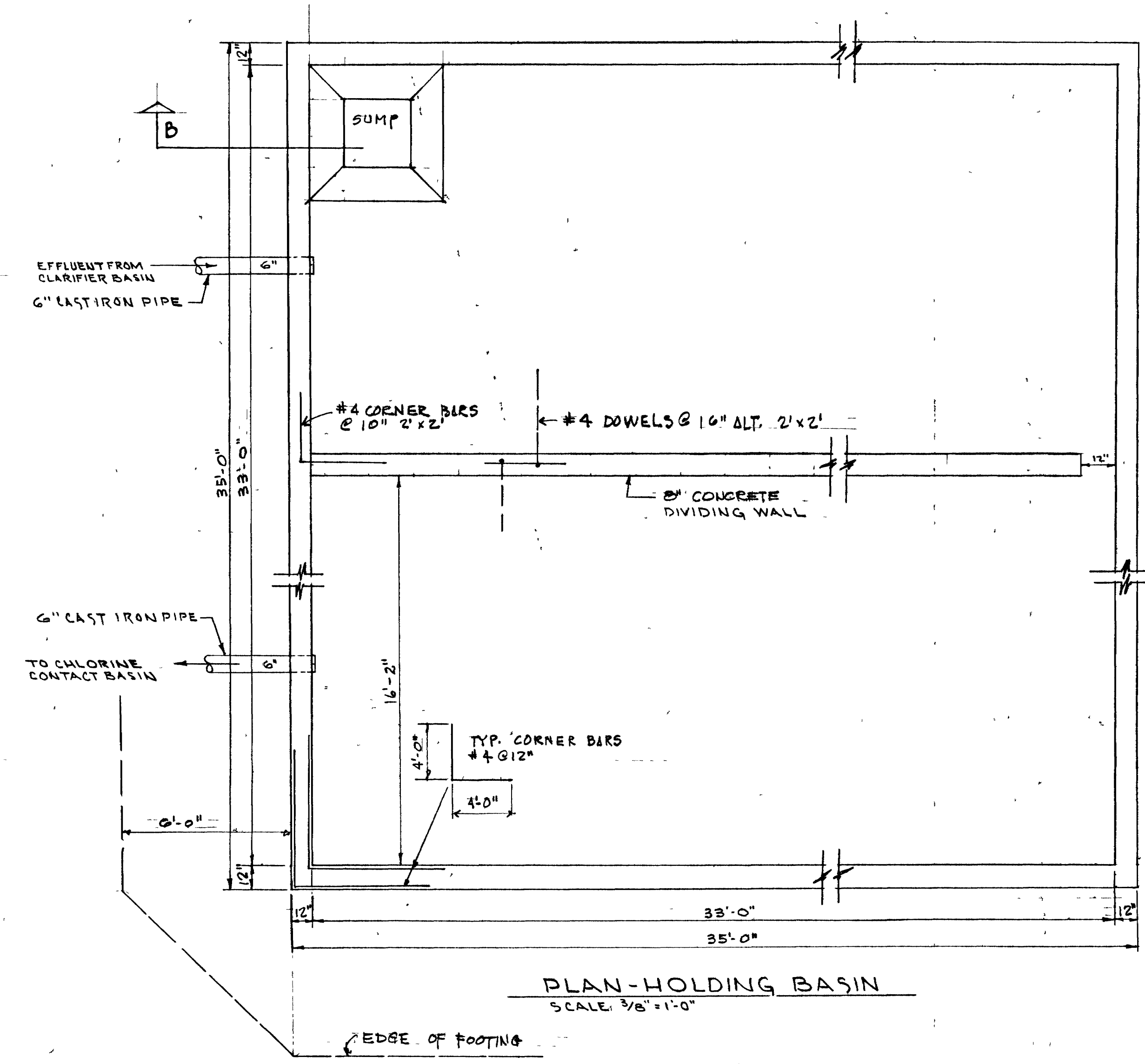
SEWER PROFILE
 HORIZ. SCALE 1" = 100'
 VERT. SCALE 1" = 10'



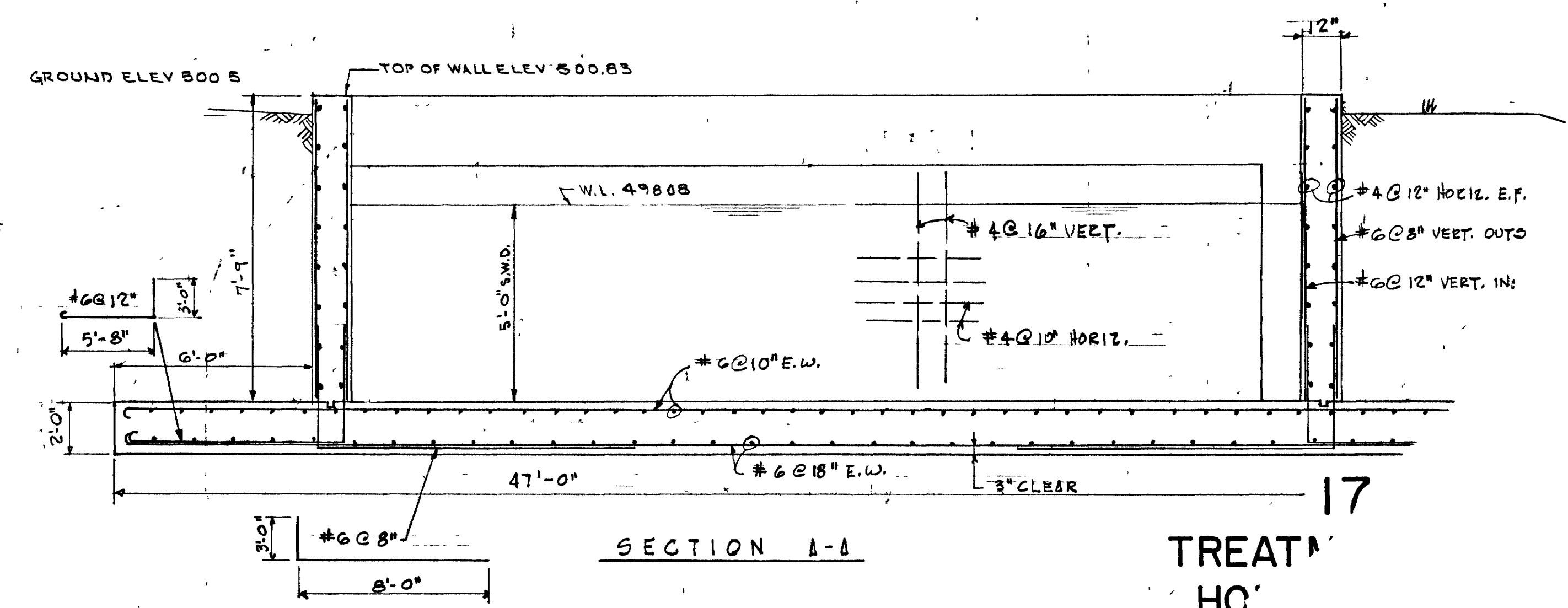
OUTFALL SEWER PROFILE



SECTION B
 SCALE: 3/8" = 1'-0"



PLAN-HOLDING BASIN
 SCALE: 3/8" = 1'-0"



SECTION A-A

TREAT HO

ALL REIN. STEEL TO BE 2" CL.
 UNLESS NOTED OTHERWISE.

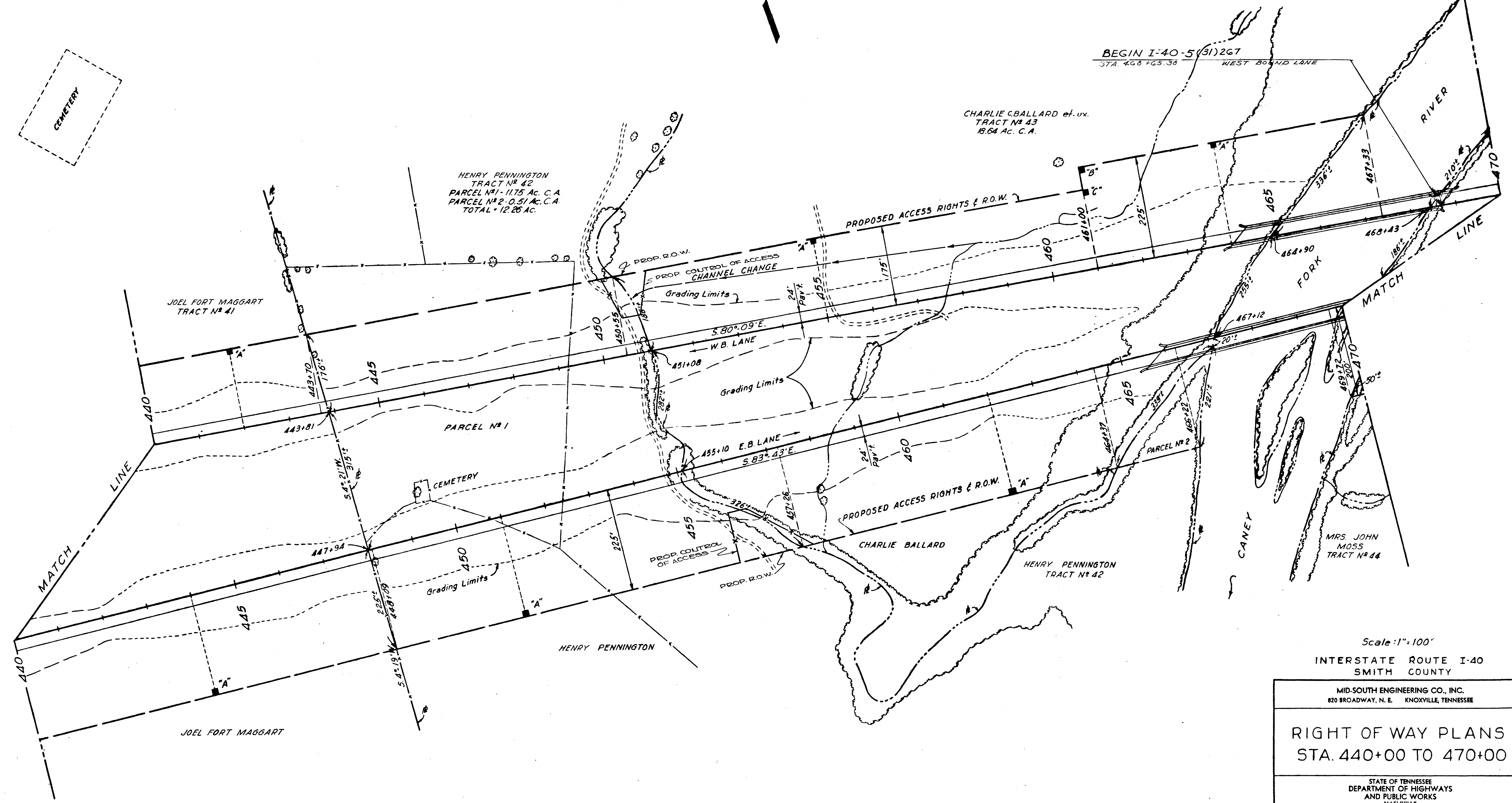
f'_c 4000 PSI
 f_y 60,000 PSI

FED. ROAD DIST. NO.	T E N	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
3	N	I-40-5(3)267	1960	23	372
PAVING					

FED. ROAD DIST. NO.	T E N	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
3	N	I-40-5(3)258	1959	23	25
R.O.W.					

NOTE: THIS SHEET INCLUDED IN PROJECT I-40-5(3)267 PAVING (FINAL STAGE) PLANS TO SHOW THE WIDTH AND OUTLINE OF PAVEMENT AND ARE NOT INTENDED TO SHOW THE SCOPE OF WORK FOR THIS PROJECT.

REVISED 2-10-60: CHANGED CONTROL OF ACCESS LINES LT. AT STA. 450+25 AND RT. AT STA. 455+87 TO TIE OUT TO CULVERT ENDS.
REVISED 10-4-60: CORRECTED PROPERTY OWNER'S NAME ON TRACT No. 43



Scale: 1"=100'

INTERSTATE ROUTE I-40
SMITH COUNTY

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

RIGHT OF WAY PLANS
STA. 440+00 TO 470+00

STATE OF TENNESSEE
DEPARTMENT OF HIGHWAYS
AND PUBLIC WORKS
NASHVILLE

DR. J.L.M.
CHK'D M.L.S.
APP'D

DATE
1-19-59
4-14-59

EASTBOUND
PI=497+21.40
N=635,608.77
E=2,056,158.54
Δ=24°-02'; Lt.
D=1°-00'
R=5,729.58'
T=1,219.60'
L=2,403.33'
E_c=128.36'

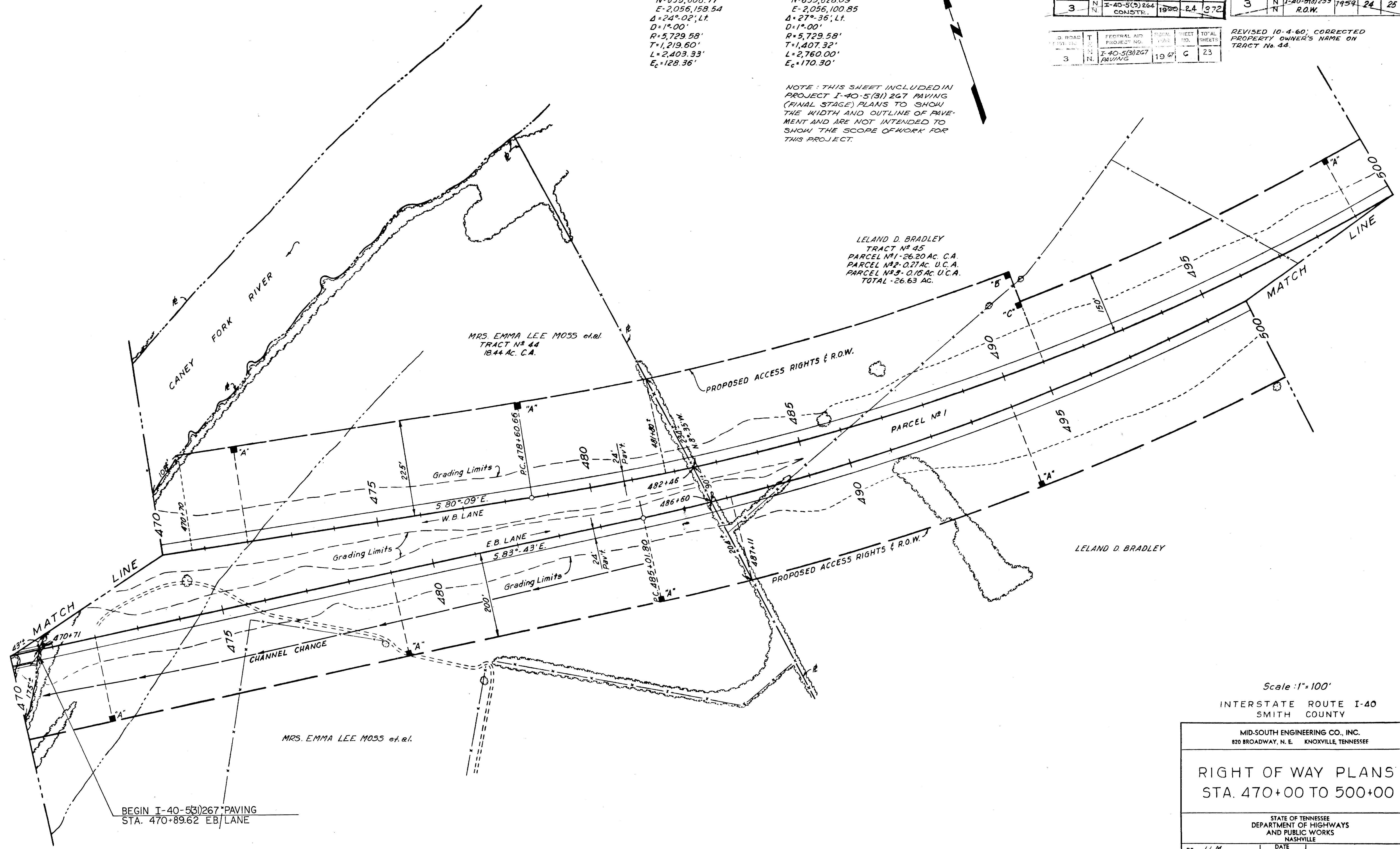
WESTBOUND
PI=492+67.98
N=635,628.09
E=2,056,100.85
Δ=27°-36'; Lt.
D=1°-00'
R=5,729.58'
T=1,407.32'
L=2,760.00'
E_c=170.30'

NOTE: THIS SHEET INCLUDED IN
PROJECT I-40-5(31) 267 PAVING
(FINAL STAGE) PLANS TO SHOW
THE WIDTH AND OUTLINE OF PAVE-
MENT AND ARE NOT INTENDED TO
SHOW THE SCOPE OF WORK FOR
THIS PROJECT.

FED. ROAD DIST. NO.	T	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
3	N	I-40-5(3) 264	1959	24	25

FED. ROAD DIST. NO.	T	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
3	N	I-40-5(3) 267 PAVING	1959	24	25

REVISED 10-4-60; CORRECTED
PROPERTY OWNER'S NAME ON
TRACT No. 44.



Scale: 1"=100'
INTERSTATE ROUTE I-40
SMITH COUNTY

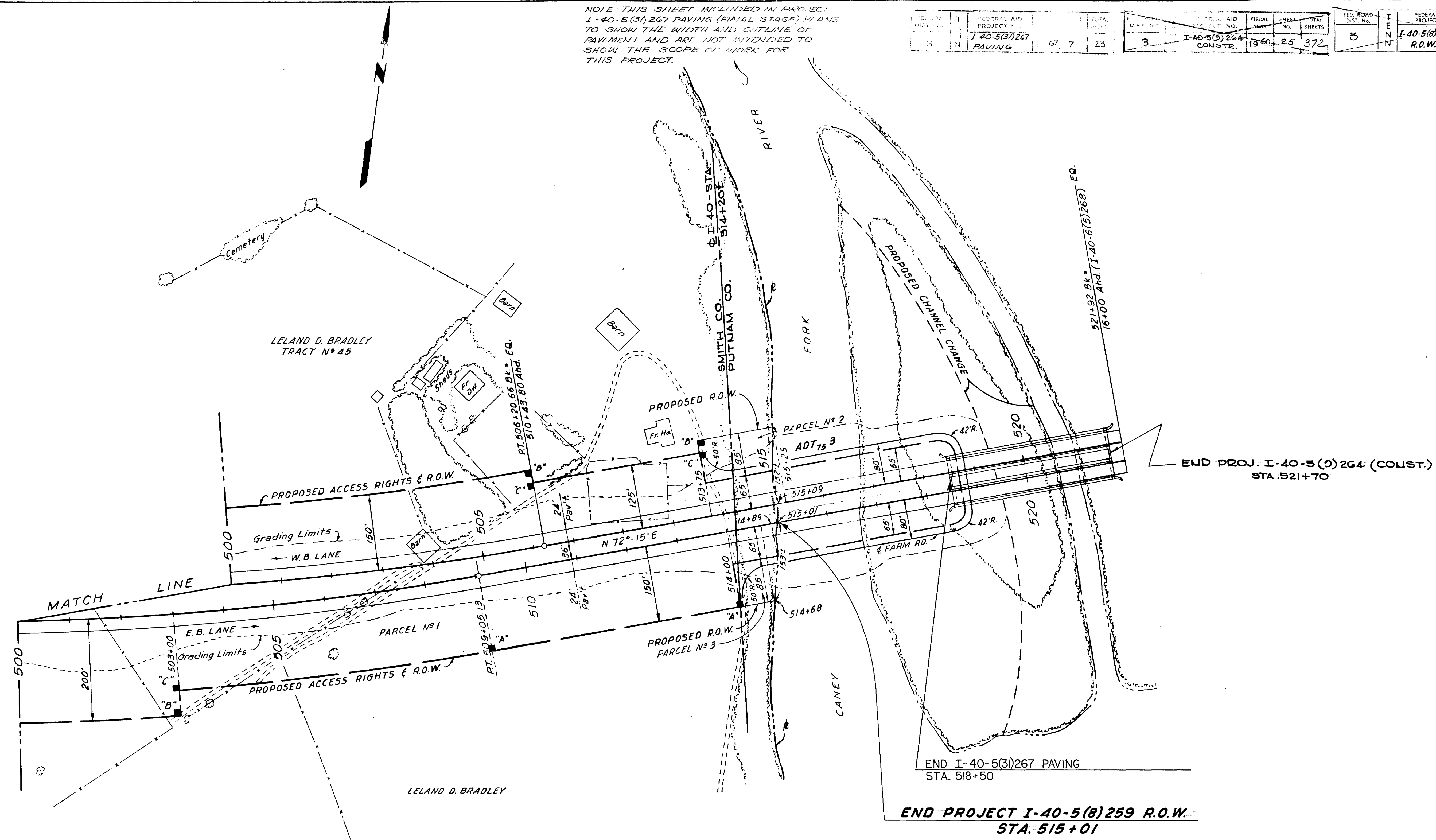
MID-SOUTH ENGINEERING CO., INC. 820 BROADWAY, N. E. KNOXVILLE, TENNESSEE	
RIGHT OF WAY PLANS STA. 470+00 TO 500+00	
STATE OF TENNESSEE DEPARTMENT OF HIGHWAYS AND PUBLIC WORKS NASHVILLE	
DR. J.L.M. CHK'D M.L.S. APP'D	DATE 1-19-59 4-14-59

NOTE: THIS SHEET INCLUDED IN PROJECT I-40-5(3) 267 PAVING (FINAL STAGE) PLANS TO SHOW THE WIDTH AND OUTLINE OF PAVEMENT AND ARE NOT INTENDED TO SHOW THE SCOPE OF WORK FOR THIS PROJECT.

DIST. NO.	T	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
3	N	I-40-5(3) 267 PAVING	1960	25	372

FED. ROAD DIST. NO.	T	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
3	N	I-40-5(3) 264 CONSTE.	1960	25	372

FED. ROAD DIST. NO.	T	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
3	N	I-40-5(8) 259 R.O.W.	1959	25	25



Scale: 1"=100'

INTERSTATE ROUTE I-40
SMITH COUNTY

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

RIGHT OF WAY PLANS
STA. 500+00 TO 521+92

STATE OF TENNESSEE
DEPARTMENT OF HIGHWAYS
AND PUBLIC WORKS
NASHVILLE

DR. J.L.M.	DATE 1-20-59
CHK'D. M.L.S.	4-13-59
APP'D.	

NOTE: THIS SHEET INCLUDED IN PROJECT I-40-5(31)267 PAVING (FINAL STAGE) PLANS TO SHOW THE WIDTH AND OUTLINE OF PAVEMENT AND ARE NOT INTENDED TO SHOW THE SCOPE OF WORK FOR THIS PROJECT.

FED. ROAD DIST. NO.	T	E	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
3	N	N	I-40-5(34)259 PAVING	1970	32	57

FED. ROAD DIST. NO.	T	E	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
3	N	N	I-40-5(19)259 PAVING	1967	90	40

PROJECT NO.	YEAR	SHEET NO.
IR-40-5(91)257	1969	28

END PROJ. I-40-5 (34)259 FINAL STAGE PAVING

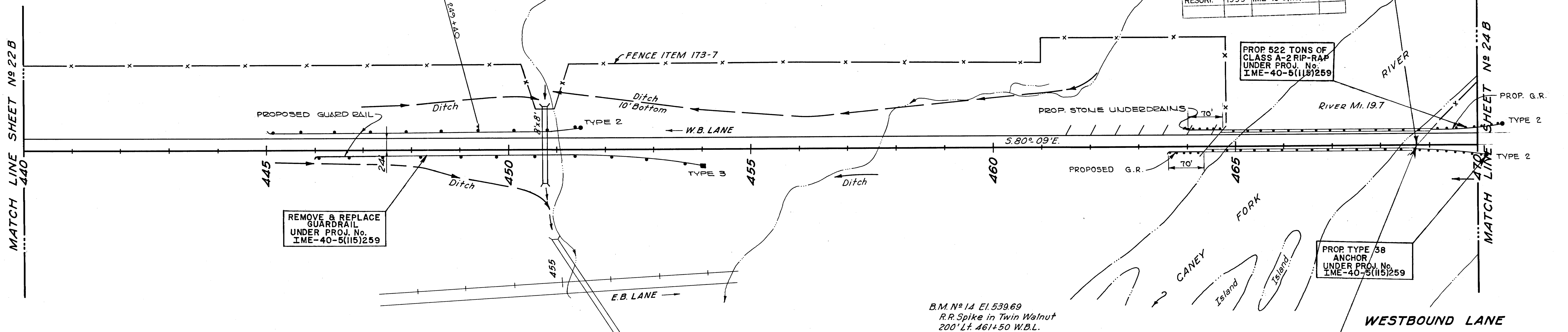
TYPE	YEAR	PROJECT NO.	SHEET #
RESURF	1999	IME-40-5(115)259	28

PROP 522 TONS OF CLASS A-2 RIP-RAP UNDER PROJ. No. IME-40-5(115)259

PROP TYPE 38 ANCHOR UNDER PROJ. No. IME-40-5(115)259

MATCH LINE SHEET No 22B

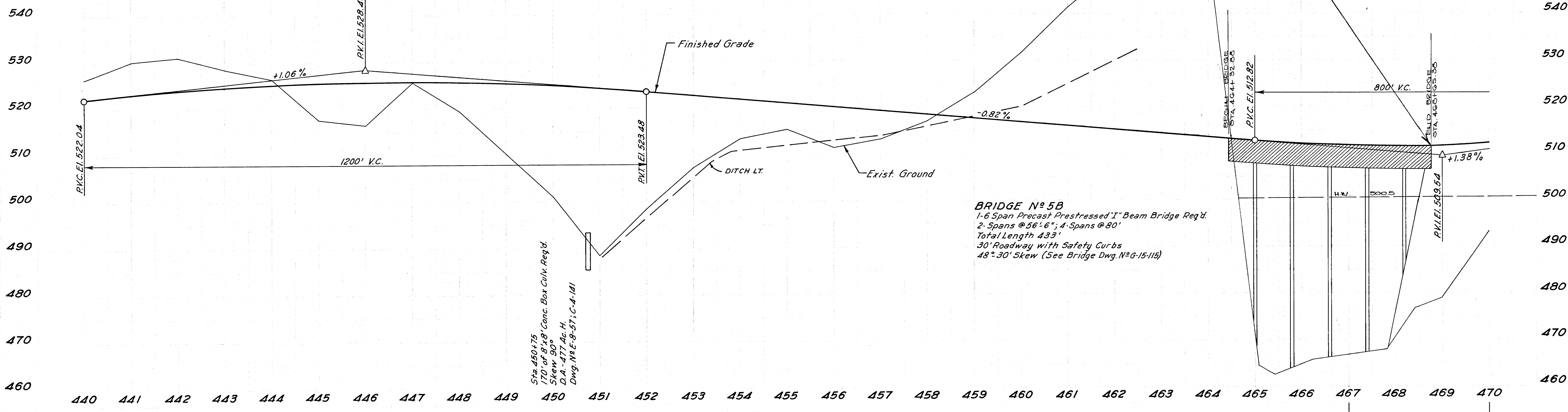
MATCH LINE SHEET No 24B



EXC. 104,966 COM. 58,066 (6,000 TO BE USED ON E.B.L.)
 S.R. 46,900
 EMB. 105,262 (INCL. 10,642 ROCK FILL)
 COM. 15% SHR.
 S.R. 30% SW.

EXC. EMB.

EXC. EMB.



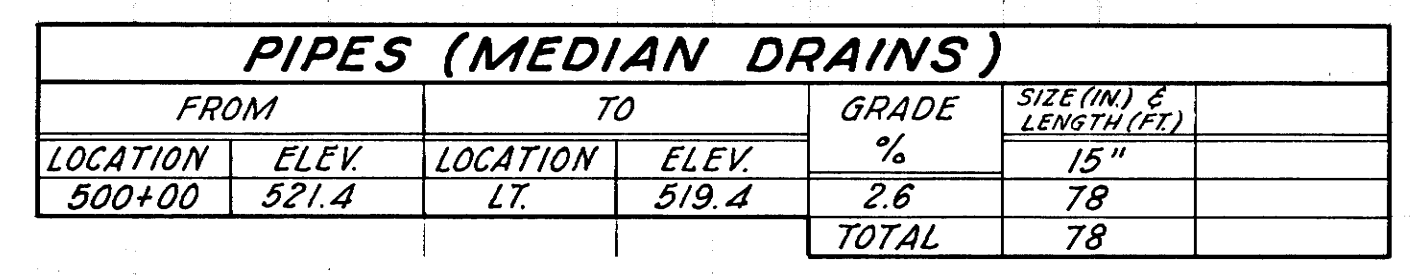
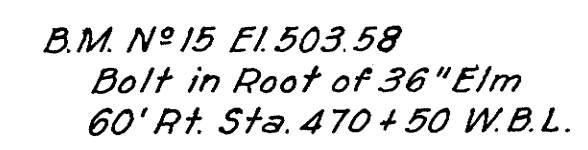
BRIDGE No 5B
 1-6 Span Precast Prestressed 'I' Beam Bridge Req'd.
 2- Spans @ 56'-6"; 4- Spans @ 80'
 Total Length 433'
 30' Roadway with Safety Curbs
 48° 30' Skew (See Bridge Dwg. No 6-15-115)

Sta 450+75
 170' of 8'x8' Conc. Box Culv. Req'd.
 Skew 90°
 D.A. - 477 Ac. H.
 Dwg. No E-8-57; C-4-141

WILSON

FED. ROAD DIST. NO.	T E N N.	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
3		I-40-5(19)255 PAVING	1968	82	40

FED. ROAD DIST. NO.	T E N N.	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
3		I 40-5(19)255 PAVING	1967	32	40



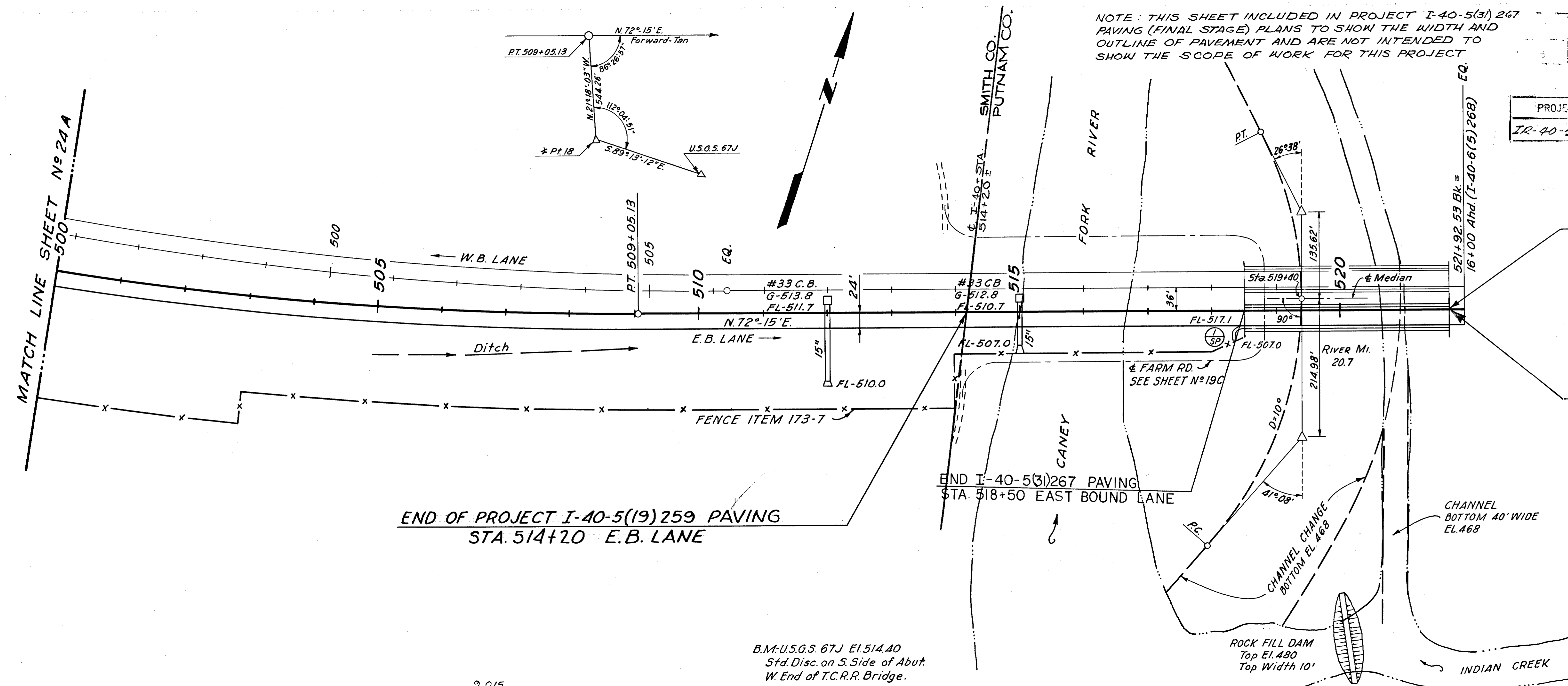
NOTE: THIS SHEET INCLUDED IN PROJECT I-40-5(3) 267 PAVING (FINAL STAGE) PLANS TO SHOW THE WIDTH AND OUTLINE OF PAVEMENT AND ARE NOT INTENDED TO SHOW THE SCOPE OF WORK FOR THIS PROJECT

PROJECT NO.	SHEET NO.	TOTAL SHEETS
I-40-5(9) 257 1989	32	32

PROJECT NO.	SHEET NO.	TOTAL SHEETS
I-40-5(9) 264 1960 25A	372	372

REVISED 4-26-60: GRADING QUANTITIES CHANGED.

PROJECT NO.	SHEET NO.	TOTAL SHEETS
I-40-5(19) 259	38	40



END OF PROJECT I-40-5(19) 259 PAVING
STA. 514+20 E.B. LANE

END I-40-5(3) 267 PAVING
STA. 518+50 EAST BOUND LANE

END OF PROJECT I-40-5(9) 264 CONSTR.
STA. 521+70.00 E.B. LANE

80001-8161-44
END OF PROJECT I-40-5(115) 259 RESURF.
L.M. 0.05 E.B.L. & W.B.L.
STA. 521+70.00 E.B.L.

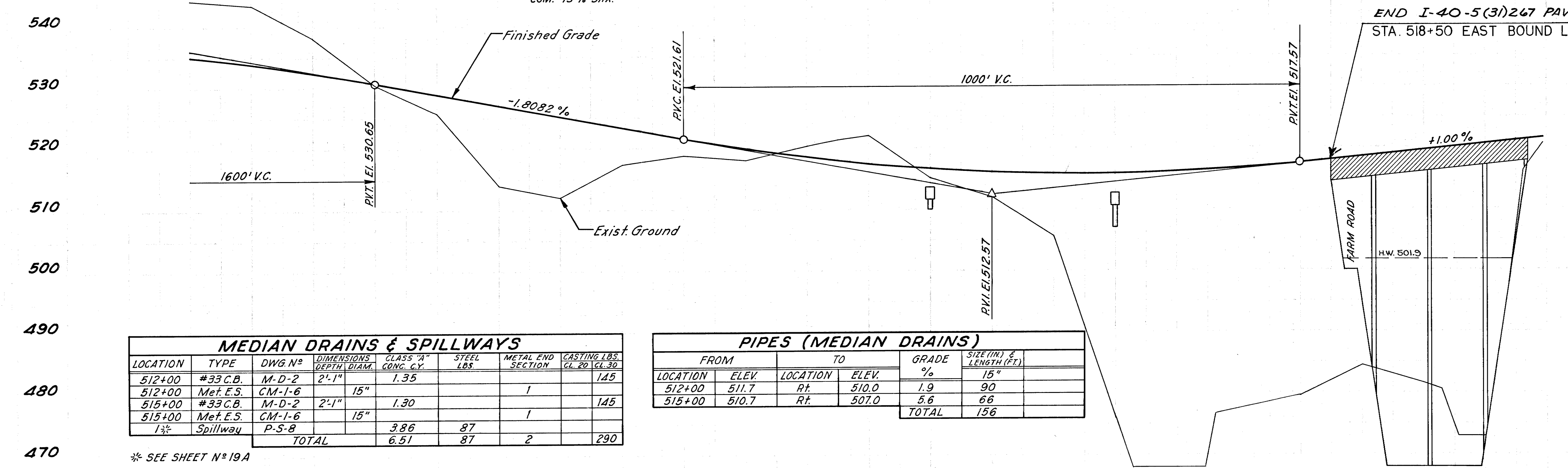
NOTE:
Minimum Channel Width of 155' on Caney Fork River
Shall be Maintained During All Stages of Construction.

B.M.-U.S.G.S 67J E1514.40
Std. Disc. on S. Side of Abut.
W. End of T.C.R.R. Bridge.

BOR. S.R. 2,015
CHAN. EXC. 80,000 (26,000 TO BE USED IN ROWY. EMB. 54,000 TO BE DISPOSED OF AS DIRECTED BY THE ENGINEER)
COM. 127,186
EMB. 152,716 (INCL. 26,000 ROCK FILL)
BOR. 35% SW.
CHAN. 20% SHR.
COM. 13% SHR.

EXC.
EMB.

EXC.
EMB.



MEDIAN DRAINS & SPILLWAYS

LOCATION	TYPE	DWG. NO.	DIMENSIONS DEPTH x DIAM.	CLASS "A" CONC. CY.	STEEL LBS.	METAL END SECTION	CASTING LBS. CL. 20 CL. 30
512+00	#33 C.B.	M-D-2	2'-1" x 15"	1.35		1	145
512+00	Met. E.S.	CM-I-6	2'-1" x 15"	1.30		1	145
515+00	#33 C.B.	M-D-2	2'-1" x 15"	1.30		1	145
515+00	Met. E.S.	CM-I-6	2'-1" x 15"	1.30		1	145
515+00	1 1/2" Spillway	P-S-8		3.86	87		
TOTAL				6.51	87	2	290

PIPES (MEDIAN DRAINS)

FROM	TO	GRADE %	SIZE (IN.) & LENGTH (FT.)
512+00	511.7	1.9	90
515+00	510.7	5.6	66
TOTAL			156

BRIDGE No 6A
1-4 Span Precast Prestressed Box Girder
Composite Section Bridge Req'd.
2-Spans @ 70'; 2-Spans @ 90'
Total Length 320'
30' Roadway with Safety Curbs
90° 00' Skew (See Bridge Dwg. No G-15-127)

* SEE SHEET No 19A

STATE HIGHWAYS
IN
No. 50

NOTE: THIS SHEET INCLUDED IN PROJECT
I-40-5(3) 267 PAVING (FINAL STAGE) PLANS
TO SHOW THE WIDTH AND OUTLINE OF PAVE-
MENT AND ARE NOT INTENDED TO SHOW THE
SCOPE OF WORK FOR THIS PROJECT.

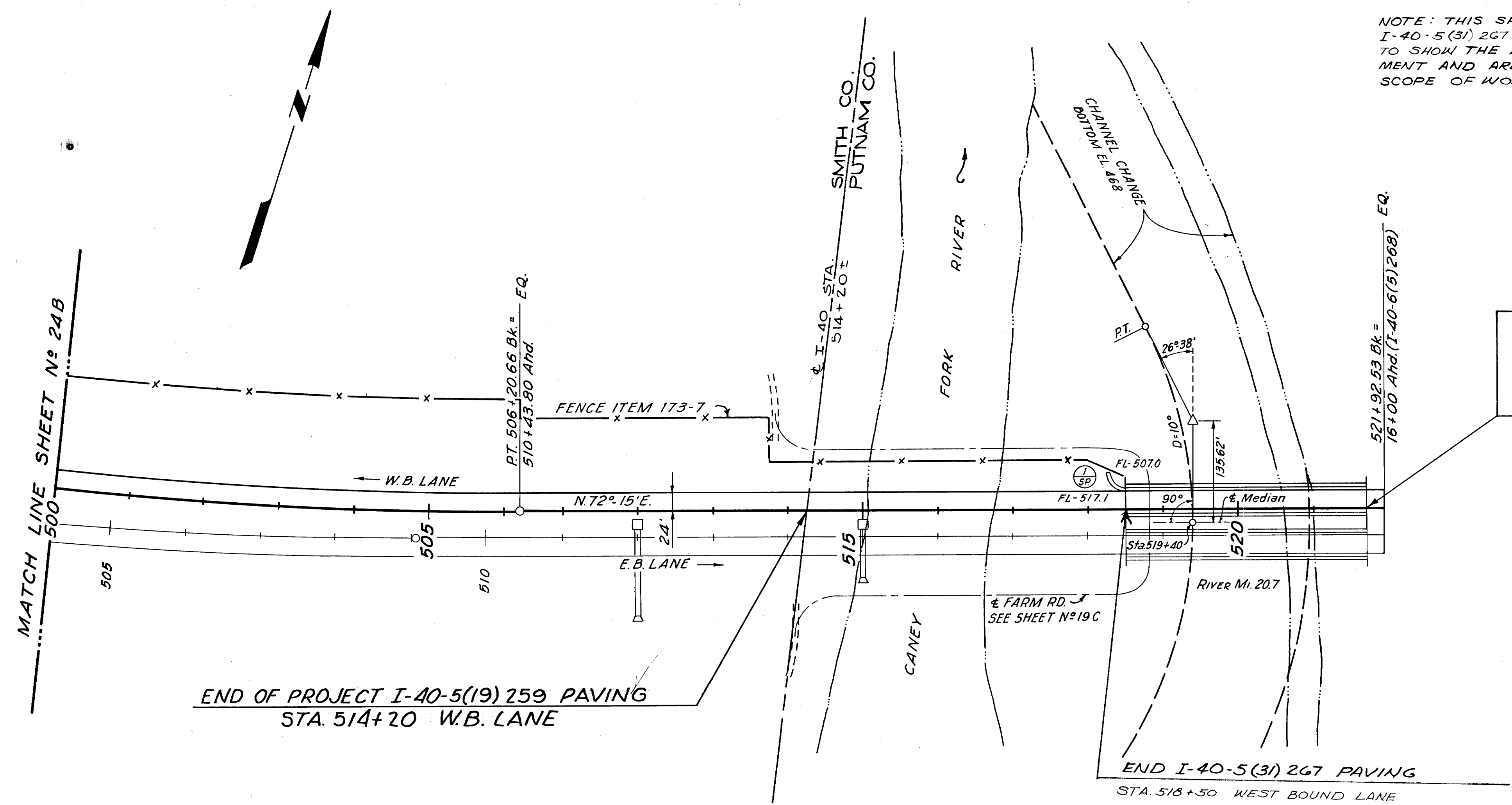
FED. ROAD DIST. NO.	FED. AID PROJECT NO.	FED. AID DIST. NO.	FED. AID SHEET NO.	TOTAL SHEETS
3	N	I-40-5(3) 267 PAVING	1067 12 23	372

FED. ROAD DIST. NO.	FED. AID PROJECT NO.	FED. AID DIST. NO.	FED. AID SHEET NO.	TOTAL SHEETS
3	N	I-40-5(19) 259 PAVING	1067 12 23	372

PROJECT	SHEET NO.
I-40-5(1) 257 1987	33

FED. ROAD DIST. NO.	FED. AID PROJECT NO.	FED. AID DIST. NO.	FED. AID SHEET NO.	TOTAL SHEETS
3	N	I-40-5(19) 259 PAVING	1067 12 23	372

TYPE	YEAR	PROJECT NO.	SHEET #
RESURF	1999	IME-40-5(115) 259	32

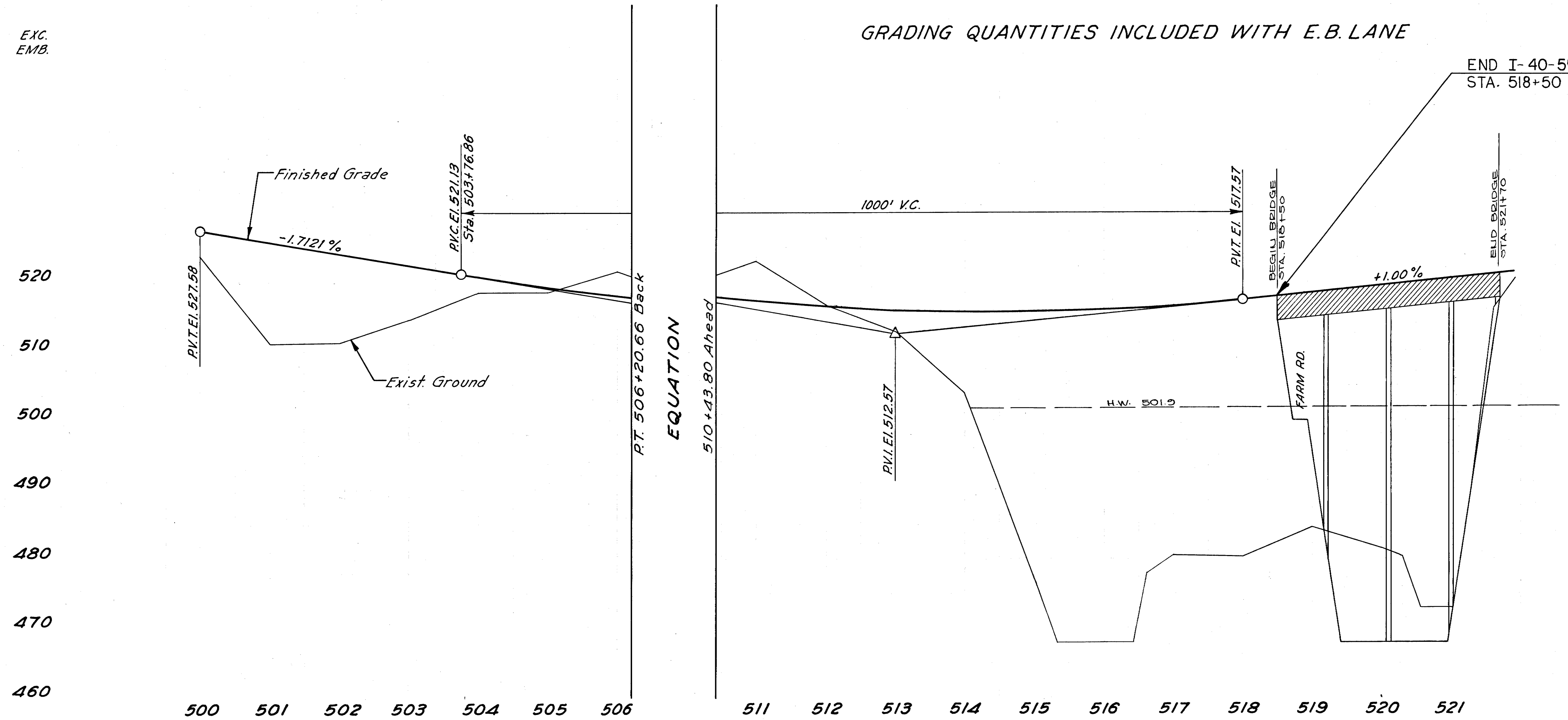


80001-8161-44
END OF PROJECT IME-40-5(115) 259 RESURF.
L.M. 0.05 W.B.L.
STA. 521+70.00 W.B.L.

END OF PROJECT I-40-5(9) 264 CONSTR.
STA. 521+70.00 W.B. LANE

NOTE:
Minimum Channel Width of 155' on Caney Fork River
Shall be Maintained During All Stages of Construction.

GRADING QUANTITIES INCLUDED WITH E.B. LANE



END I-40-5(3) 267 PAVING
STA. 518+50 WEST BOUND LANE

SPILLWAYS					
LOCATION	TYPE	DWG. N°	DIMENSIONS DEPTH DIAM.	CLASS 'A' CONG. C.Y.	STEEL LBS.
1%	Spillway	P-5-8		3.86	87
TOTAL				3.86	87

* SEE SHEET N° 19A

BRIDGE N° 6B
1-4 Span Precast Prestressed Box Girder
Composite Section Bridge Req'd.
2-Spans @ 70'; 2-Spans @ 90'
Total Length 320'
30' Roadway with Safety Curbs
90° 00' Skew (See Bridge Dwg. N° G-15-127)

WESTBOUND LANE

EXC.
EMB.

520
510
500
490
480
470
460

NOTE: THIS SHEET INCLUDED
IN PROJECT I-40-5(31) 267 PAVING
(FINAL STAGE) PLANS TO SHOW THE
WIDTH AND OUTLINE OF PAVEMENT
AND ARE NOT INTENDED TO
SHOW THE SCOPE OF WORK FOR
THIS PROJECT

EASTBOUND
 $PI=497+21.40$
 $N-635,608.77$
 $E=2,056,158.54$
 $\Delta=24^{\circ}.02'.Lt$
 $D=1^{\circ}$
 $R=5,729.58'$
 $T=1,219.60'$
 $L=2,403.33'$
 $E_c=128.36'$
 $SE=0.0322 \text{ ft./ft.}$

FED. ROAD DIST. NO.	TEN	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
3	N	I-40-5(34) 259	1970	33	57

I-40-5(31) 267 PAVING

3 ~~I-40-5(4) 268 1960 24A 372~~
 CONSTR.
 REVISED 4-26-60
 GRADING QUANTITIES CHANGED.

FED. ROAD DIST. NO.	TEN	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
3	N	I-40-5(15) 258	1962	31	40

I-40-5(15) 258 PAVING

7	DIST. NO. 3	TENN. N.	FEDERAL AID PROJECT NO. 7-40-5(19)750 PAVING	LOCAL FUND TS 62	SHEET NO. 31	TOTAL SHEETS 40
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NOTE: THIS SHEET INCLUDED IN PROJECT I-40-5(31) 267 PAVING (FINAL STAGE) PLANS TO SHOW THE WIDTH AND OUTLINE OF PAVEMENT AND ARE NOT INTENDED TO SHOW THE SCOPE OF WORK FOR THIS PROJECT

EASTBOUND
 RI=497+21.40
 N=635,608.77
 E=2,056,158.54
 Δ=24°02', Lt.
 D=1°
 R=5,729.58'
 T=1,219.60'
 L=2,403.33'
 E_c=128.36'
 S.E.=0.0322 ft./ft.

FED. ROAD DIST. NO.	T	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
3	N	I-40-5(34)259	1970	33	57

FED. ROAD DIST. NO.	T	FEDERAL AID PROJECT NO.
3	N	I-40-5(15)255

PROJECT NO.	YEAR	SHEET NO.
IR-40-5(91)257	1989	29

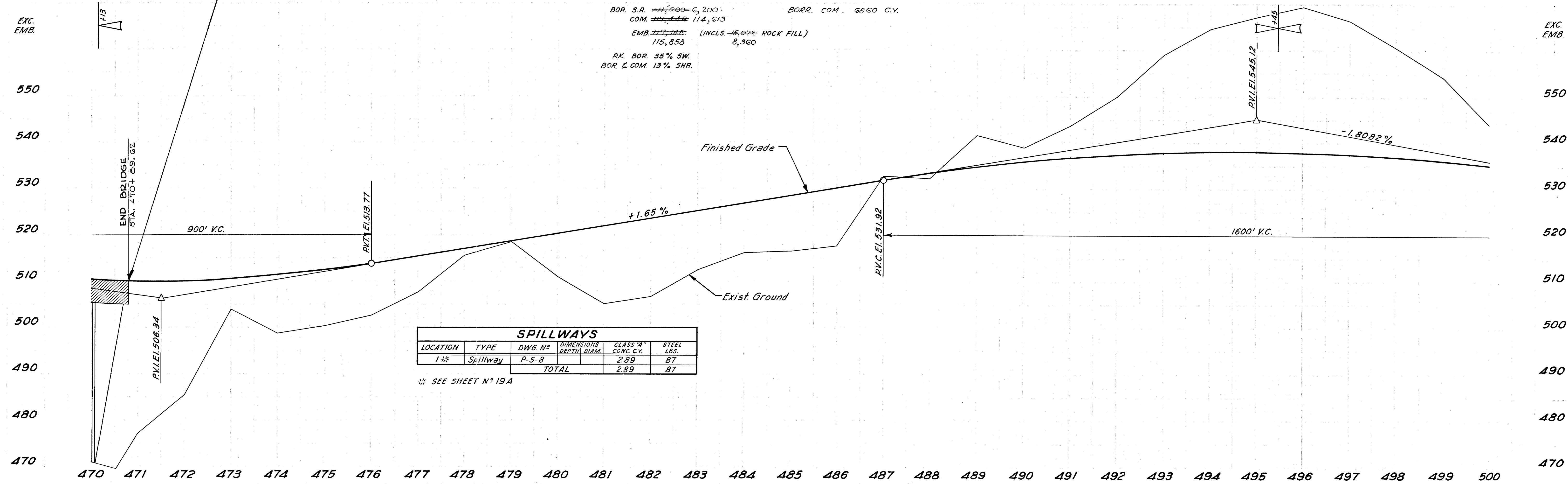
TYPE	YEAR	PROJECT NO.	SHEET #
RESURF	1999	IME-40-5(115)259	29

MATCH LINE SHEET N° 23A (Left)
MATCH LINE SHEET N° 25A (Right)

Labels and Features:
 CANEY RIVER
 RIVER MI. 19.7
 470, 475, 480, 485, 490, 495 (Stationing)
 W.B. LANE (Westbound Lane)
 E.B. LANE (Eastbound Lane)
 Ditch
 FENCE ITEM 173-7
 5.83°43'E
 24'
 PC 485+01.80
 509.2
 506.0

B.M. N^o 16 El. 543.10
R.R. Spike in 8" Hedge Apple
190' Rt. 487+50 E.B.L.

EASTBOUND LANE



SPILLWAYS						
LOCATION	TYPE	DWG. N°	DIMENSIONS DEPTH DIAM.		CLASS "A" CONC. C.Y.	STEEL LBS.
1 %	Spillway	P-5-8			2.89	87
TOTAL					2.89	87

* SEE SHEET N° 19A

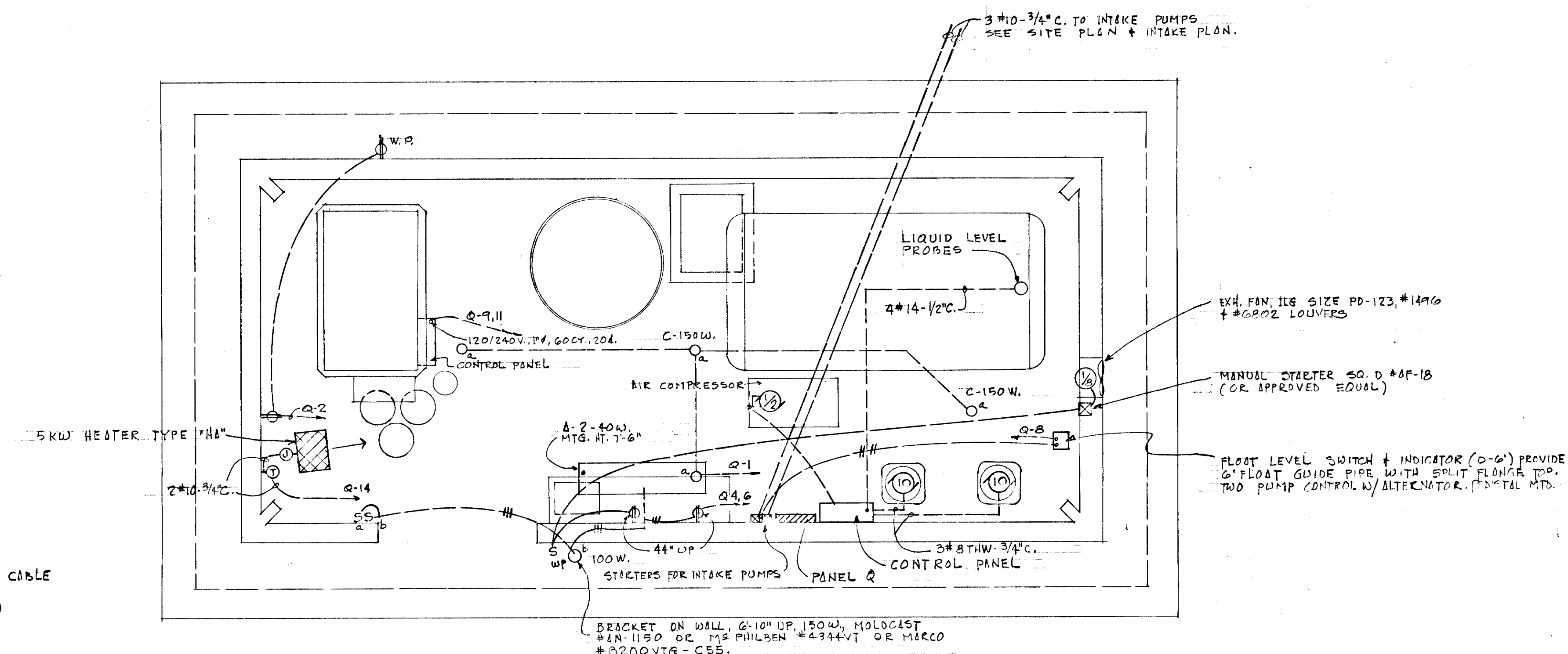
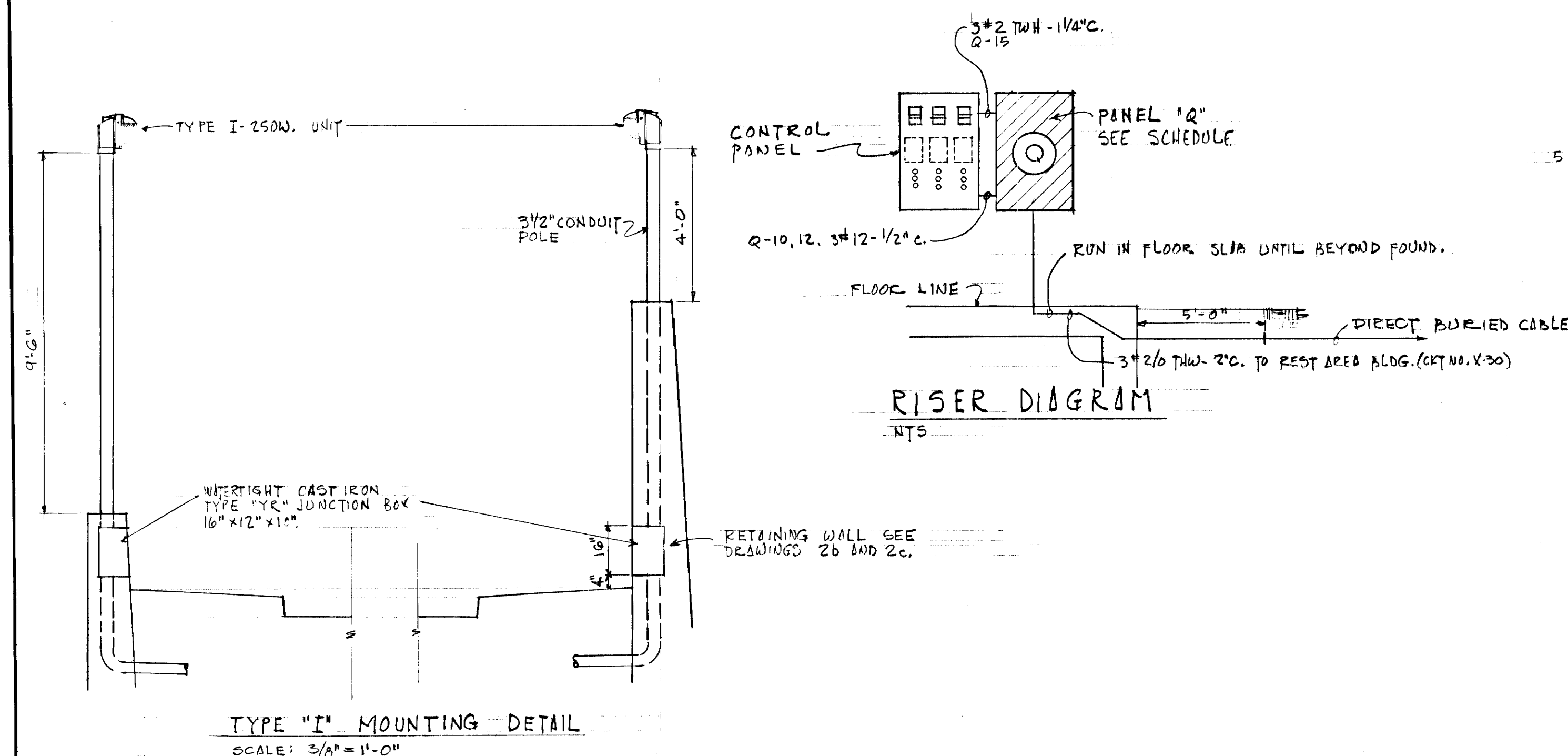
PANEL "A" SCHEDULE										
V _A	SERVING	TRIP	N		TRIP	SERVING	V _A	PHASE LOADING		
								48	2C	3C
1200	PORCH LIGHT	20/1	1	2	20/1	SPARE			1200	3C
1120	PATHWAY + "SHELTER" 7C 160W.	20/2	3	4	20/2	PATHWAY + SHELTER LIT. 9C 160W.	144A			2560
1120	DO 7C 160W.	20/2	5	6	20/2	WEST BOUND PARKING 6C 450W.	3150	4270		
2250	EAST BOUND PARKING 5C 450W.	20/2	7	8	20/2	WEST BOUND RAMP 4C 450W.	1800		4050	
1900	EAST BOUND RAMP 4C 450W.	20/2	9	11	20/2	EAST BOUND APPROACH 3C 450W + 4C 300W.	2550			4350
7200	EAST BOUND ROADWAY 24C 300W.	20/3	11		/3	SPARE	2400	2400	2400	
	TOOL. 3P. MECH. HELD CONTRACTOR									
3490						TOTALS	22.43 KVA	894C	6670	6450 9310

NOTE:
STARTER FOR INTAKE PUMPS: MAGNETIC FULL VOLTAGE, NEMA 1 ENCLOSURE
WITH HAND-OFF-AUTO SWITCH IN COVER.

PANEL "Q" SCHEDULE										
Vd.	SERVING	TRIP	NABC (100/3/3)		TRIP	SERVING	Vd.	PHASE LOADING		
			1B	1C				1D	1E	
650	LIGHTING	20/1	1	2	20/1	RECEPTACLES	400		1050	
	SPARE	20/1	3	4	20/1	L.B. FEEDTS.	800		800	
	SPARE	20/1	5	6	20/1	EXHAUST FAN	300		300	
	SPARE	20/1	7	8	20/1	FLOAT CONTROL	200		200	
1000	WATER TREATMENT	20/1	9	10	20/1	AIR COMPRESSOR	800		1850	
1000	DO	20/1	11	12	20/1	CONTROL PWR.	150		1150	
1080	INTAKE PUMP - 3/4 HP	15/3	13	14	30/2	HEATER "H1"	5000	5360	360	360
			15	16		SPACE				
70,880	HIGH SERVICE PUMP CONTROL 2 @ 10 HP	100/3	17	18	15/3	INTAKE PUMP - 3/4 HP	1080	7320	7320	732
24,610						TOTALS = 33.39 KVD	8780	12,680	13,030	7,680

FED. ROAD DIST. NO.	T E N N	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
3		1967	18	71
FED. AID PROJ. NO.		1-51-40-5(3)267		
STATE PROJ. NO.		20001-3123-04		

REV. 12-9-71: THIS SHT. ADDED TO PROJ.
1-40-5(3)267.



WATER TREATMENT BUILDING ELECTRICAL PLAN
SCALE: 3/8" = 1'-0"

17 W
ELECTRICAL PLAN
WATER TREATMENT BUILDING
REST AREA
I-40 SMITH COUNTY
TENNESSEE