FED. ROAD DIST. NO.	TENN	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
3		1967	1	7[illegible]
FED. AID PROJ. NO.		LSI-40-5(5)[illegible]		
STATE PROJ. NO.		80001-3123-9[illegible]		

REV. 12-9-71; SHEET NOS. 9 THRU 12 AND 15 THRU 20 DELETED FROM PLANS

STATE OF TENNESSEE
DEPARTMENT OF HIGHWAYS

PLAN AND PROFILE OF PROPOSED
STATE HIGHWAY

FEDERAL AID PROJECT NO.
LSI-40-5(5)268

SMITH COUNTY

REST AREA NO. 17W WITH EAST BOUND RAMPS
CONSTRUCTION OF BUILDING AND FACILITIES
AT THE SMITH-PUTNAM COUNTY LINE
STATE HIGHWAY NO. **F.A.H.S. NO. 40**

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

TO BE LET CONCURRENTLY WITH
PROJ. NO. I-40-5(31)267 (PAVING)

SMITH COUNTY
INDEX OF SHEETS
LSI-40-5(5)268 80001-3123-94

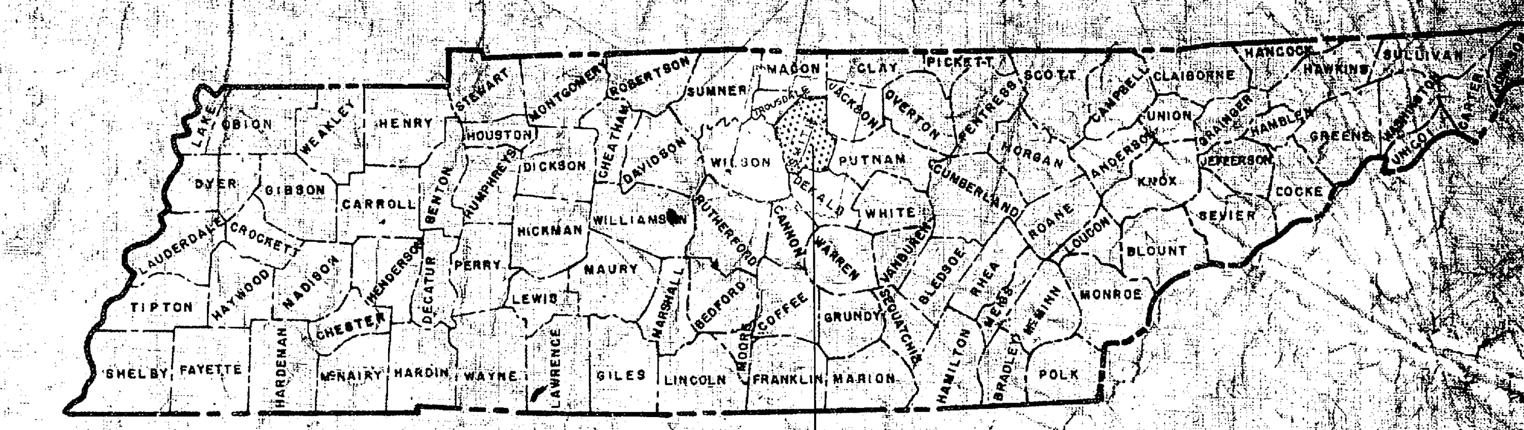
SHEET NO.	
1	TITLE SHEET
2	TYPICAL PAVEMENT SECTIONS
2a-2d	DETAILS, ESTIMATED QUANTITIES & GENERAL NOTES
3	RIGHT OF WAY PLAN
4	RAMP ALIGNMENT
5	PARKING AREA PLAN
6	RAMP PROFILES
7	SITE PLAN
8	LANDSCAPING PLAN
9	~~FLOOR PLAN AND ELEVATIONS OF MAIN BUILDING~~
10	~~SECTIONS AND DETAILS OF MAIN BUILDING~~
11	~~STRUCTURAL DETAILS OF MAIN BUILDING~~
12	~~PLUMBING AND VENTILATING PLAN OF MAIN BUILDING~~
13	ELECTRICAL PLAN OF MAIN BUILDING
14	ELECTRICAL SITE PLAN
15	~~PICNIC SHELTER AND EQUIPMENT~~
16	~~RAW WATER INTAKE~~
17	~~WATER TREATMENT BUILDING~~
18	~~ELECTRICAL PLAN - WATER TREATMENT BUILDING~~
19	~~SEWAGE TREATMENT PLANT~~
20	~~TREATMENT PLANT HOLDING BASIN~~
21	BEDDING STANDARD, DRAWING C-B-2
22-23	FERROUS CORRUGATED METAL & STRUCTURAL PLATE PIPE & PIPE-ARCHES, DRAWING CM-1-4
24	STANDARD PIPE & PIPE-ARCH CULVERT BEVELED END AND RIP-RAP, DRAWING CM-1-5
25	STRUTTING DETAILS FOR CORRUGATED METAL AND STRUCTURAL PLATE PIPE, DRAWING CM-1-7
26	STANDARD CONCRETE ENDWALLS, DRAWING D-0-13
27	STANDARD CONCRETE ENDWALLS, DRAWING E-2-90
28	STANDARD CONCRETE CURBS, DRAWING P-C-15
29	STANDARD CONCRETE DRIVEWAYS, DRAWING P-D-14a
~~30-31~~	~~ALTERNATE EXPANSION JOINTS AND DOWEL ASSEMBLIES, DRAWING P-E-30~~
~~32-33~~	~~CONTRACTION AND CONSTRUCTION JOINTS FOR CONCRETE PAVEMENT, DRAWING P-E-31~~
30	STANDARD CONCRETE STEPS AND SIDEWALKS, DRAWING P-S-7a
31-32	STANDARD RIGHT OF WAY STOCK FENCE AND CHAIN LINK FENCE, DRAWING RD-F-10
33	ROADSIDE DEVELOPMENT AND LANDSCAPING, DRAWING RD-L-1b
34-35	STANDARD METAL DEEP BEAM GUARD RAIL, DRAWING RD-R-3a
37-39	CONSTRUCTION IDENTIFICATION SIGNS, DRAWING RD-S-1
40	STANDARD CONCRETE RIGHT OF WAY POST, DRAWING RW-M-2a
41	CASTING FOR CATCH BASIN NO. 12C, DRAWING S-C-12c
42	STANDARD NO. 12 CATCH BASIN, DRAWING S-CB-12c
43	STANDARD NO. 2 MANHOLE, DRAWING S-M-2a
44-60	CROSS SECTIONS
61-62	ROADWAY SIGNS
63-70	SIGN STANDARDS, DRAWING RD-S-7, 12, 9, 6, 10, 13, 14, 11
71	GENERAL BRIDGE PLAN, DRAWING G-15-127 (INFORMATION ONLY)

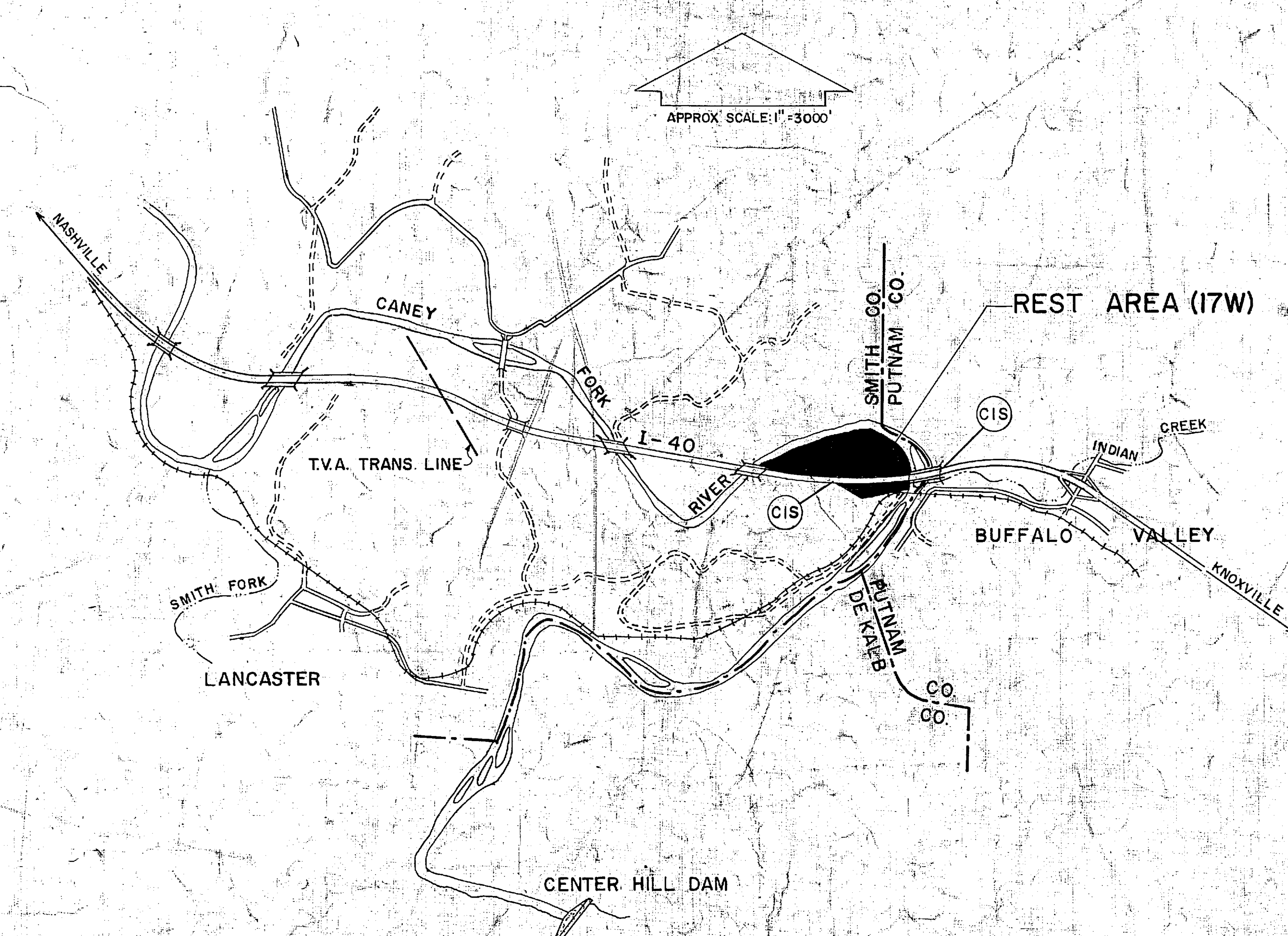
* DELETED 12-9-71

*THESE SHEETS TRANSFERRED TO PROJ. I-40-5(31)267 DUE TO REVISION 12-9-71.

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.

TWO CONSTRUCTION IDENTIFICATION SIGNS SHALL BE ERECTED ON THIS PROJECT WHERE INDICATED ON THIS SHEET BY THE SYMBOL (CIS). FOUR LANES OF TRAFFIC ON I-40 SHALL BE MAINTAINED BY THE CONTRACTOR AT ALL TIMES. NO TEMPORARY CROSS-OVERS IN MEDIAN FOR CONSTRUCTION PURPOSES WILL BE ALLOWED.





TRAFFIC DATA
A.D.T. (1967) 4,760
A.D.T. (1987) 9,240

APPROVED ____ DESIGN ENGINEER
DATE ____
APPROVED ____ STATE HIGHWAY ENGINEER
DATE ____
APPROVED ____ COMMISSIONER

LEGEND

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

PROJECT LENGTH 0.000 MILES

DEPARTMENT OF COMMERCE
BUREAU OF PUBLIC ROADS

APPROVED: ____
DIVISION ENGINEER DATE

DESIGNED:
CHECKED:
SURVEY NO.

INDEX OF SHEETS

FED. ROAD DIST. NO.	STATE	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
3	TENN	1967	1	2
FED. AID PROJ. NO.		LSI-40-5(4)268		
STATE PROJ. NO.		80001-2122-94		

STATE OF TENNESSEE

DEPARTMENT OF HIGHWAYS

PLAN AND PROFILE OF PROPOSED
STATE HIGHWAY

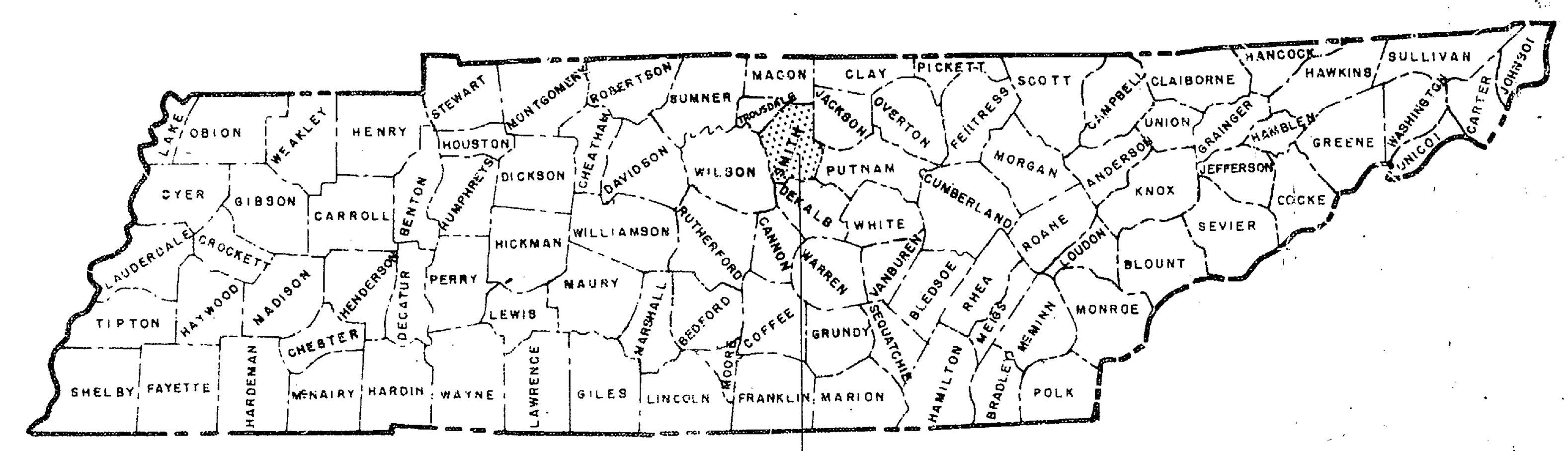
FEDERAL AID PROJECT NO.
LSI-40-5(4)268

SMITH COUNTY

REST AREA NO. 17 W — 0.5 MILE WEST
OF PUTNAM — SMITH COUNTY LINE

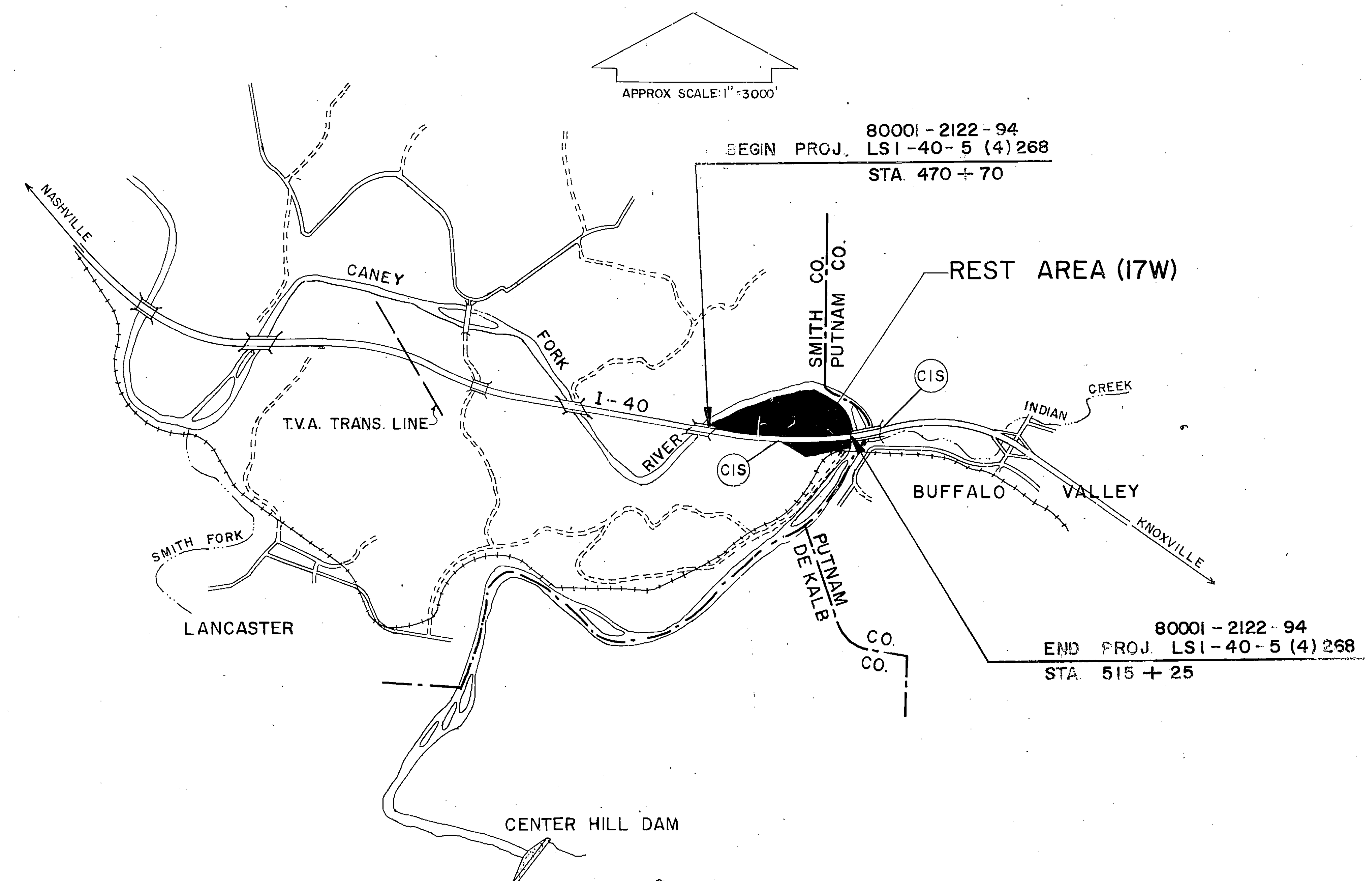
INTERSTATE HIGHWAY NO. I-40 F.A.H.S. NO.

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



... UNDER THE STANDARD SPECIFICATIONS OF THE ... OF HIGHWAYS DATED JULY 1, 195... AND ADDITIONAL SPECIFICATIONS AND ... IN THE PLANS AND IN THE PROPOSAL

ONE CONSTRUCTION IDENTIFICATION SIGN SHALL BE ERECTED ON THIS PROJECT WHERE INDICATED ON THIS SHEET BY THE SYMBOL CIS.



TRAFFIC DATA
A.D.T. (1967) 4,760
A.D.T. (1987) 9,240

80001-2122-94
LSI-40-5(4)268

APPROVED R. S. Patton
DESIGN ENGINEER
DATE

APPROVED [signature]
STATE HIGHWAY ENGINEER
DATE

APPROVED [signature]
COMMISSIONER

RAILROAD
RETAINING WALL
BASE OR SURVEY LINE
DROP INLET
BRIDGE OVER 20 FT. SPAN

PROJECT LENGTH 0.843 MILES

DEPARTMENT OF COMMERCE
BUREAU OF PUBLIC ROADS

APPROVED:
DIVISION ENGINEER DATE

PRINTED FOR BPR & APPRAISALS 6-1-67

DESIGNED:
CHECKED:
SURVEY NC


TENN. STATE HIGHWAYS
Plans File TH No. 177 Divn.
SCANNED
MICROFILMED
SCANNED FEB 01 2002 BY TRC
FED. ROAD DIST. NO. 3 TENN FEDERAL AID PROJECT NO. I-40-5(31)267 PAVING FISCAL YEAR 19 SHEET NO. 2d TOTAL SHEETS
REV. 7-24-67: ADDED BASE ALTERNATE ITEM NO. 38-1.
REV. 12-9-71: THIS SHEET ADDED TO PROJ. I-40-5(31)267. ADDED NOTE WHERE 8" DETACHED CURB IS SHOWN REGARDING IT'S CONSTRUCTION.
FED. ROAD DIST. NO. 3 TENN FISCAL YEAR 1967 SHEET NO. 2 TOTAL SHEETS 71
FED. AID PROJ. NO. LSI-40-5(5) 268
STATE PROJ. NO. 80001-3123-94
VARIES
10' STABILIZED SHOULDER
20' MIN. TO ℄ DITCH
5½" SECOND STAGE PAVING TO BE PLACED CONCURRENTLY WITH THIS PROJECT UNDER INTERSTATE FUNDS
3/16" : 12" OR S.E.
3/16" : 12" OR S.E.
½" : 12"
4' ROUNDING
6:1
SEEDING WITH MULCH ITEM 500
EXISTING FIRST STAGE PAVEMENT
ITEM 104 SURFACE COURSE (A.C.S.C.) 150#± /SQ. YD.
ITEM 49-1 PRIME COAT 0.30-0.35± GAL./SQ. YD.
ITEM 36-1 CRUSHED STONE BASE (W.B.B.) 8½"± (TO BE COMPACTED IN 2 EQUAL LAYERS)
ITEM 43A BIT. CONC. BASE (C.S., B.C.B.) 3½"± THICK.
ITEM 49-1 PRIME COAT 0.30-0.35± GAL./SQ. YD.
ITEM 127-1 CEMENT CONCRETE PAVEMENT (PLAIN) 10"± THICK
ITEM 36-1 CRUSHED STONE BASE (W.B.B.) 9"± THICK (COMPACTED IN 3 EQUAL LAYERS W/ CALCIUM CHLORIDE
① TYPICAL SECTION ACCELERATION AND DECELERATION LANES
6' 6' 2'-6" 14' MIN. VARIES 2'-6" 8' GRASS SHOULDER
4:1
½" : 12"
SOD SWALE ITEM 21-1
TYPE 6-30 COMB. CURB & GUTTER, DWG. NO. P-C-15
FINISHED GRADE
3/16" : 12"
19½"±
½" : 12"
4' ROUNDING
SEED WITH MULCH ITEM 500
4:1
GRADING LINE
FOR PAVEMENT DETAILS NOT SHOWN SEE TYPICAL SECTION PARKING AREA.
GRADING LINE
STONE UNDERDRAIN WITH PIPE SEE DWG. 2a.
② TYPICAL RAMP SECTION WITH CURBS
5' 16' 7' 23'
2' STAB
5' STAB.
19½"±
VARIES SEE DWG. NO. RD-L-1b
6:1
FOR PAVEMENT DETAILS NOT SHOWN SEE TYPICAL SECTION PARKING AREA.
VARIES SEE DWG. NO. RD-L-1b
③ TYPICAL RAMP SECTION WITH SHOULDERS
6' 12' TRUCK PARKING 18' LANE 12' TRUCK PARKING 5' 9' 29' 8' 12"
18' AUTO LANE 20' AUTO PARKING
SEEDING WITH MULCH ITEM 500
SOD ITEM 21-1
4' ROUNDING
VARIES SEE SITE PLAN
½" : 12"
3/16" : 12"
19½"±
TO BE CONSTRUCTED UNDER PROJ. NO. I-40-5(31)267
8" DETACHED CONC. CURB TYPE "A" DWG. P-C-15
FINISHED GRADE
3/16" : 12"
14"±
½" : 12"
SEEDING WITH MULCH ITEM 500
SEE SITE PLAN FOR GRADING
4"± CONC. SIDEWALK
ITEM 103 SURFACE COURSE (S.A. OR S., A.S.C.) 100#± /SQ. YD.
ITEM 43LC OR 44LC LEVELING COURSE (C.S., B.C.B.) OR (C.G., B.C.B) 100#± /SQ. YD.
ITEM 43 OR 44 BINDER ALTERNATES (C.S., B.C.B.) OR (C.G., B.C.B) 250#± /SQ. YD.
ITEM 43A BIT. CONC. BASE (C.S., B.C.B.) 7"± THICK (COMPACTED IN 2 EQUAL LAYERS)
ITEM 49-1 PRIME COAT 0.30-0.35± GAL. / SQ. YD.
ITEM 36-1 CRUSHED STONE BASE (W.B.B.) OR ITEM 38-1 CRUSHED GRAVEL OR CHERT (W.B.B.) 8"± THICK (COMPACTED IN 2 EQUAL LAYERS
ITEM 103 SURFACE COURSE (S.A. OR S., A.S.C.) 100#± /SQ. YD.
ITEM 43LC OR 44LC LEVELING COURSE (C.S., B.C.B.) OR (C.G., B.C.B.) 100#± /SQ. YD
ITEM 43 OR 44 BINDER ALTERNATES (C.S., B.C.B.) OR (C.G., B.C.B.) 200#± /SQ. YD.
ITEM 43A BIT. CONC. BASE (C.S., B.C.B.) 4"± THICK
ITEM 49-1 PRIME COAT 0.30-0.35± GAL./SQ. YD.
ITEM 36-1 CRUSHED STONE BASE (W.B.B.) OR ITEM 38-1 CRUSHED GRAVEL OR CHERT (W.B.B.) 6"± THICK (COMPACTED IN 2 EQUAL LAYERS)
④ TYPICAL SECTION PARKING AREA
10' 7' 16' ℄ 2' 2' 16' 7'
SINGLE BITUMINOUS SURFACE TREATMENT
ITEM 57-1 0.38-0.42 GALS./SQ.YD.
ITEM 57-2 33#-37#/SQ.YD.
SINGLE METAL DEEP BEAM GUARD RAIL WITH POSTS @ 6'-3" THROUGH LIMITS OF ROCK FILL.
TO BE CONSTRUCTED UNDER PROJECT I-40-5(31) 267
8" DETACHED CONC. CURB TYPE "A" DWG. P-C-15
5' STAB.
5' STAB.
19½"±
½" : 12"
3/16" : 12"
3/16" : 12"
½" : 12"
4:1
FOR PAVEMENT DETAILS NOT SHOWN SEE TYPICAL SECTION PARKING AREA.
BORROW EXCAVATION (SOLID ROCK) ITEM 15-2.
1½:1 ROCK FILL SLOPE ONLY
10'±
ROAD & DRAINAGE EXCAVATION (UNCL.) ITEM 13-3.
ITEMS 104 SURFACE COURSE (ACSC) 150#±/SQ. YDS.
43A BIT. CONC. BASE (C.S.B.C.B) 3½"± THICK.
49-1 PRIME COAT 0.30-0.35± GAL SQ. YD.
36-1 CRUSHED STONE BASE WBB OR 38-1 CRUSHED GRAVEL OR CHERT (W.B.B.)
8"± THICK (COMPACTED IN 2 EQUAL LAYERS
⑤ TYPICAL DOUBLE RAMP SECTION EASTBOUND RAMPS
NOTE:
PROTECTIVE ROCK SURFACE SHALL BE CONSTRUCTED OF DUMPED ROCK HAVING A MINIMUM SIZE OF 1 CUBIC FOOT IN THE OUTSIDE 3'.
4' 16' ℄ 2' 2' 16' 4'
RETAINING WALL TO BE CONSTRUCTED UNDER PROJECT I-40-5(31)267 PAVING.
SINGLE BITUMINOUS SURFACE TREATMENT
ITEM 57-1 0.38-0.42 GALS./SQ.YD.
ITEM 57-2 33#-37#/SQ. YD.
TYPE 8-30 COMB. CONC. CURB AND GUTTER DWG. P-C-15
TO BE CONSTRUCTED UNDER PROJECT I-40-5(31) 267
8" DETACHED CONC. CURB TYPE "A" DWG. P-C-15
19½"±
3/16" : 12"
3/16" : 12"
FOR PAVEMENT DETAILS NOT SHOWN SEE TYPICAL SECTION PARKING AREA.
RETAINING WALL TO BE CONSTRUCTED UNDER PROJECT I-40-5(31)267 PAVING.
⑥ TYPICAL RAMP SECTION UNDER BRIDGE EASTBOUND RAMPS
17W
TYPICAL PAVEMENT SECTIONS
REST AREA
I-40 SMITH COUNTY
TENNESSEE

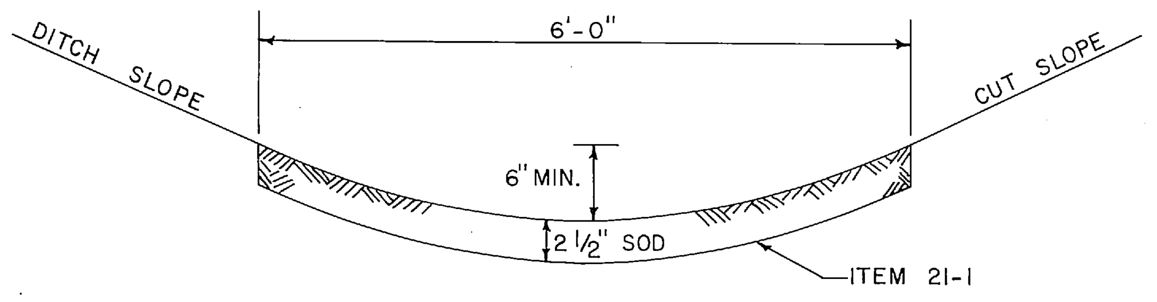
FED. ROAD DIST. NO.	TENN	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
3		1967	2a	71
FED. AID PROJ. NO.		LSI-40-5(5)268		
STATE PROJ. NO.		80001-3123-94		

REV. 6-28-67 : DETAIL OF INFORMATION SIGN ADDED.

REV 2-2-68: DETAILS FOR ITEM NO 801-13 DELETED ITEM NO 173-4 AND 173-4a TO BE USED IN LIEU OF ITEM 801-13.

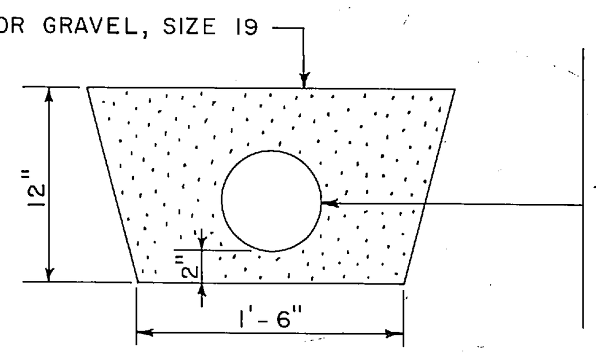
FED. ROAD DIST. NO.	TENN	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
3		I-40-5(31)267	19	2e	

REV. 12-9-71: THIS SHEET ADDED TO PROJ. I-40-5(31)267. NOTE ADDED REGARDING CONSTRUCTION OF WOODEN INFORMATION SIGNS.



DETAIL OF
SODDED ROADWAY DITCHES

TO BE USED ON ALL MEDIAN DITCHES AND ALL EARTHEN ROADWAY SIDE DITCHES AND TAILOUT DITCHES WHERE THE GRADE IS OVER 3%. WIDTH AND DEPTH MAY BE INCREASED WHERE AND AS DIRECTED BY THE ENGINEER.

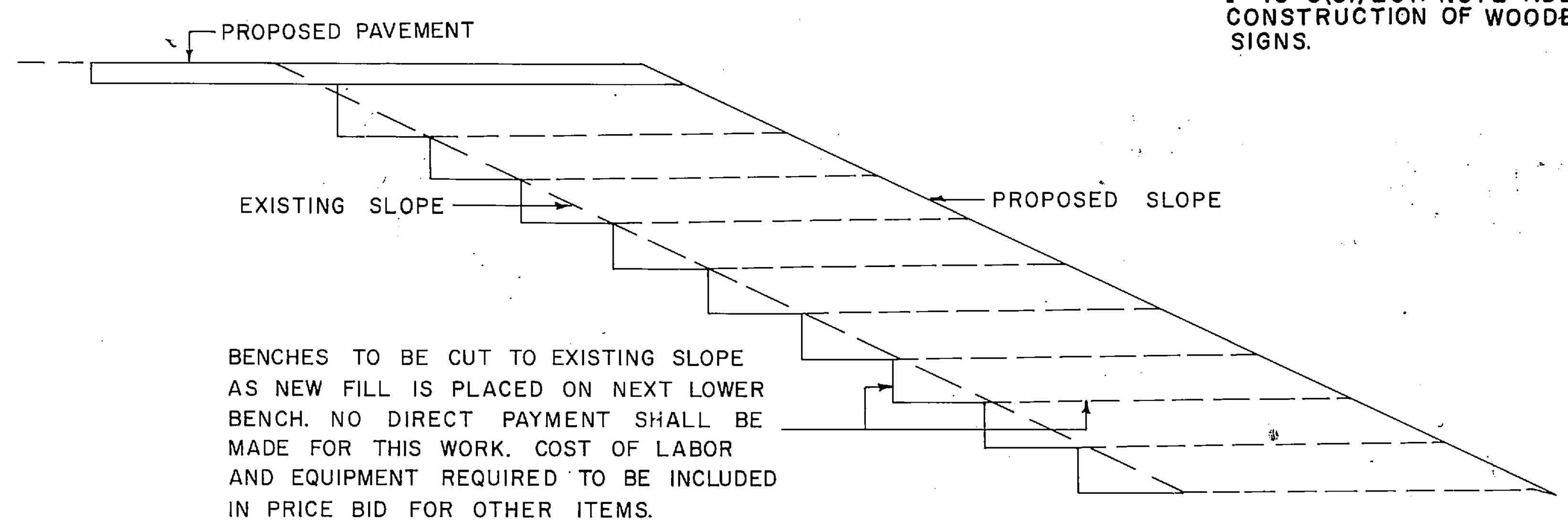


6" PERFORATED C. M. PIPE OR
6" PERFORATED ALUMINUM ALLOY C. M. PIPE (SPEC. PROVISION) OR
6" PERFORATED CONCRETE PIPE OR
*6" PERFORATED BITUMINIZED - FIBER PIPE (AASHO M177-60) OR
6" PERFORATED CLAY PIPE OR
4 5/8" SEMICIRCULAR METAL PIPE WITH CORRUGATED TOP SHIELD (SPEC. PROVISION)

*ALL PROVISIONS OF SECTION 178 OF THE STANDARD SPECIFICATIONS, EXCEPT THOSE FOR MATERIALS, REMAIN IN EFFECT.

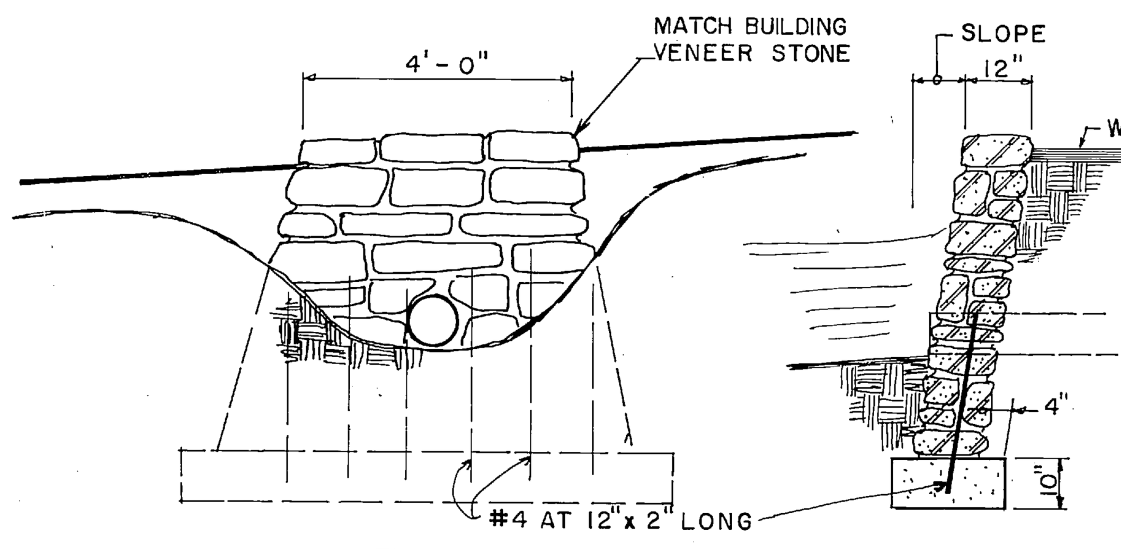
DETAIL OF
STONE UNDERDRAIN WITH PIPE

TO BE LOCATED WHERE AND AS DIRECTED BY ENGINEER



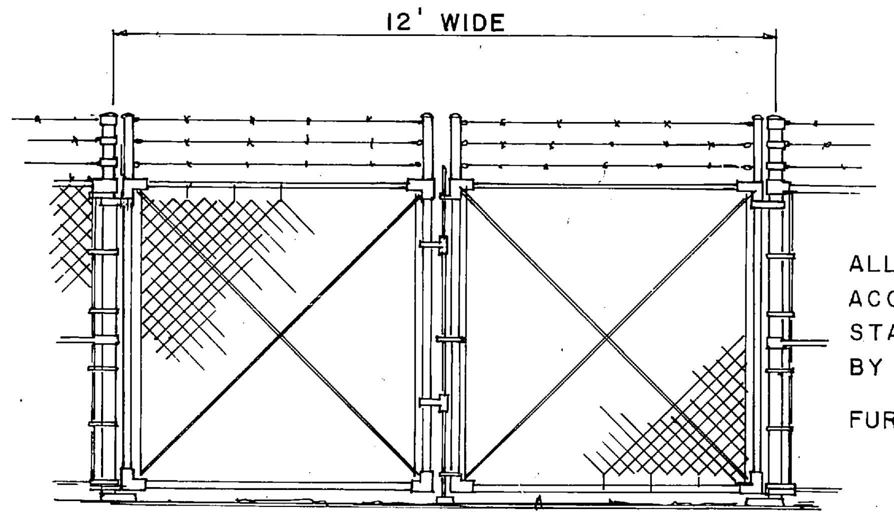
BENCHES TO BE CUT TO EXISTING SLOPE AS NEW FILL IS PLACED ON NEXT LOWER BENCH. NO DIRECT PAYMENT SHALL BE MADE FOR THIS WORK. COST OF LABOR AND EQUIPMENT REQUIRED TO BE INCLUDED IN PRICE BID FOR OTHER ITEMS.

DETAIL FOR WIDENING EXISTING EMBANKMENTS



NATIVE LIMESTONE HEADWALL DETAIL
NTS

ITEM 801-12



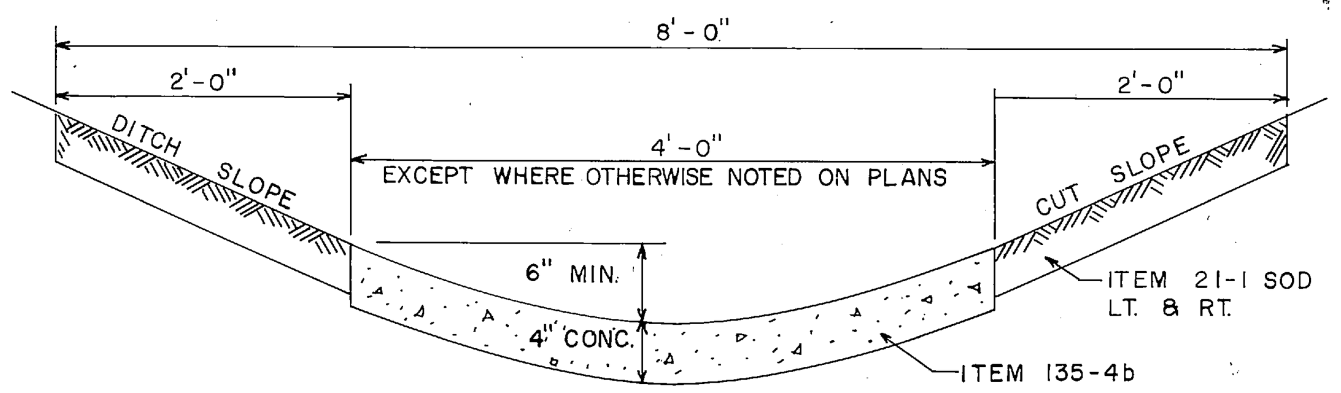
ALL MATERIALS SHALL BE IN ACCORDANCE WITH COMMERCIAL STANDARD CS 269-65 AS PUBLISHED BY THE CHAIN LINK FENCE MANUFACTURERS INSTITUTE.

FURNISH LOCK AND 2 KEYS.

GATE DETAIL
NTS

ITEM 173-6a

~~ITEM 173-4a~~ W/OUT BARB WIRE



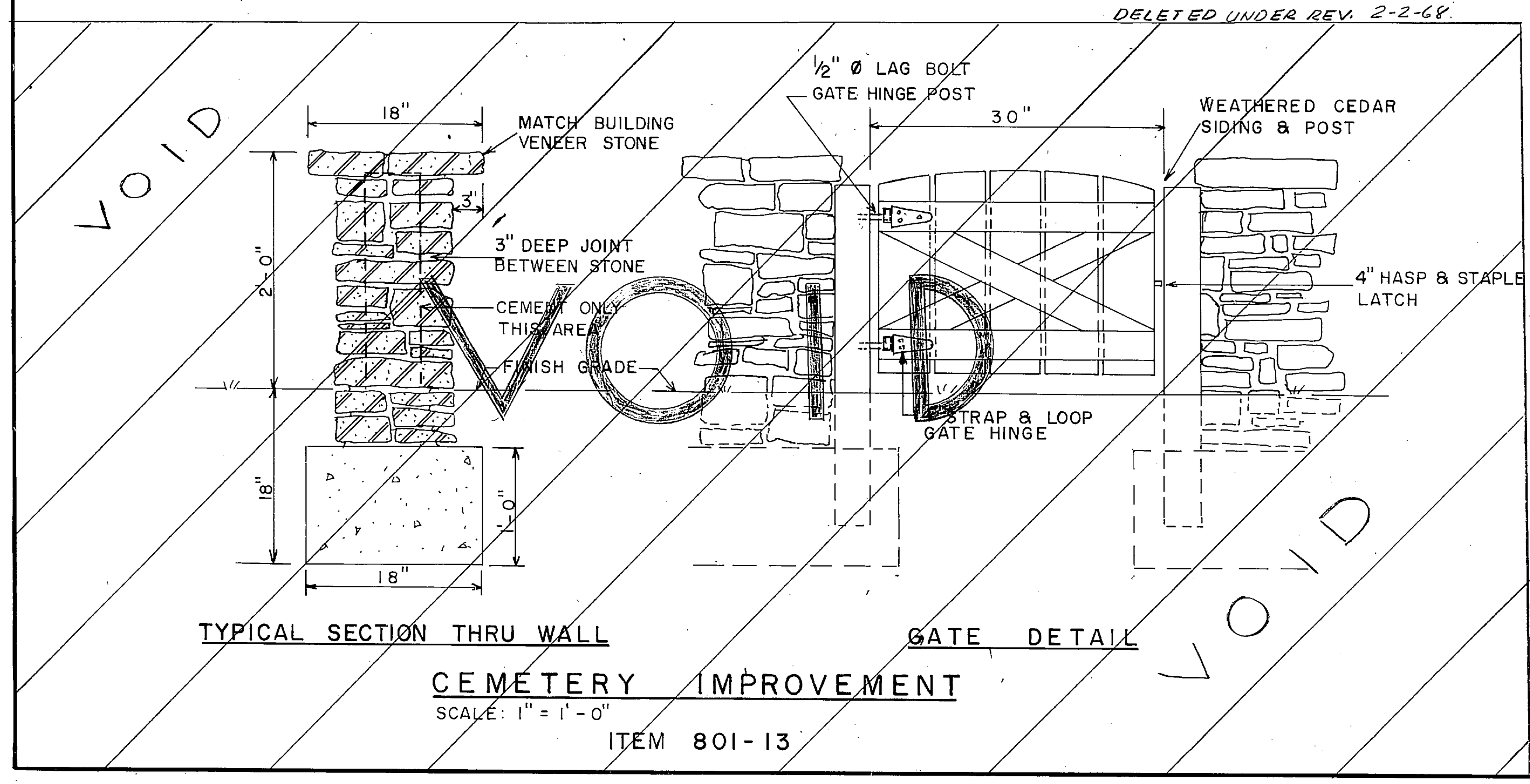
DETAIL OF
PAVED ROADWAY DITCHES

TO BE USED ON ALL MEDIAN DITCHES AND ALL EARTHEN ROADWAY SIDE DITCHES AND TAILOUT DITCHES WHERE THE GRADE IS 3% OR OVER. WIDTH AND DEPTH MAY BE INCREASED WHERE AND AS DIRECTED BY THE ENGINEER. DITCHES WITH GRADES LESS THAN 3% WILL BE PAVED IF AND WHERE DIRECTED BY THE ENGINEER.

1/2" TRANSVERSE PREMOULDED FIBER EXPANSION JOINTS REQUIRED AT 60' INTERVALS.

PAVED DITCHES SHALL BE PAID FOR UNDER ITEM 135-4b, CLASS "A" CONCRETE, PER CU. YD. ALL COSTS OF SHAPING AND REPAIRING SUB-GRADE AND OF EXPANSION JOINTS SHALL BE INCLUDED IN UNIT PRICE BID. THE 2'-0" STRIP OF SOD REQUIRED ON BOTH SIDES OF ALL DITCHES TO BE PAID FOR UNDER ITEM 21-1, PER SQ. YD.

DELETED UNDER REV. 2-2-68

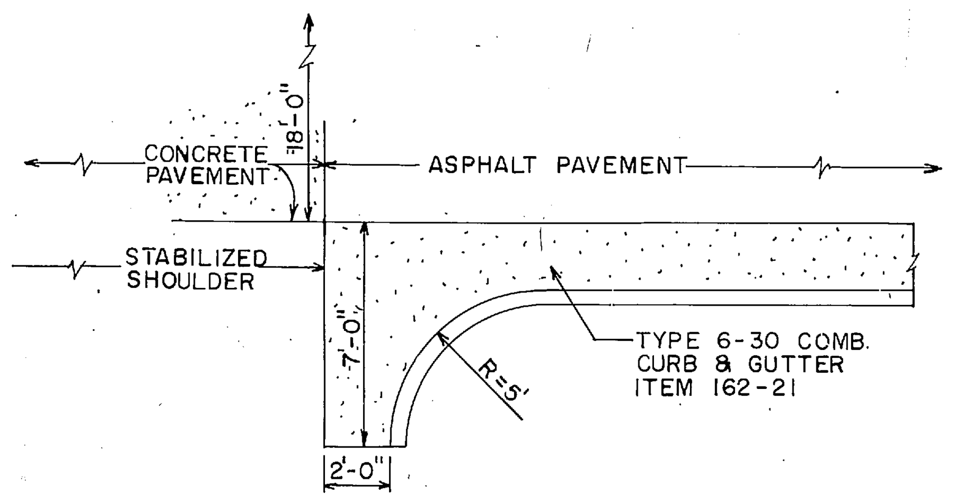


TYPICAL SECTION THRU WALL

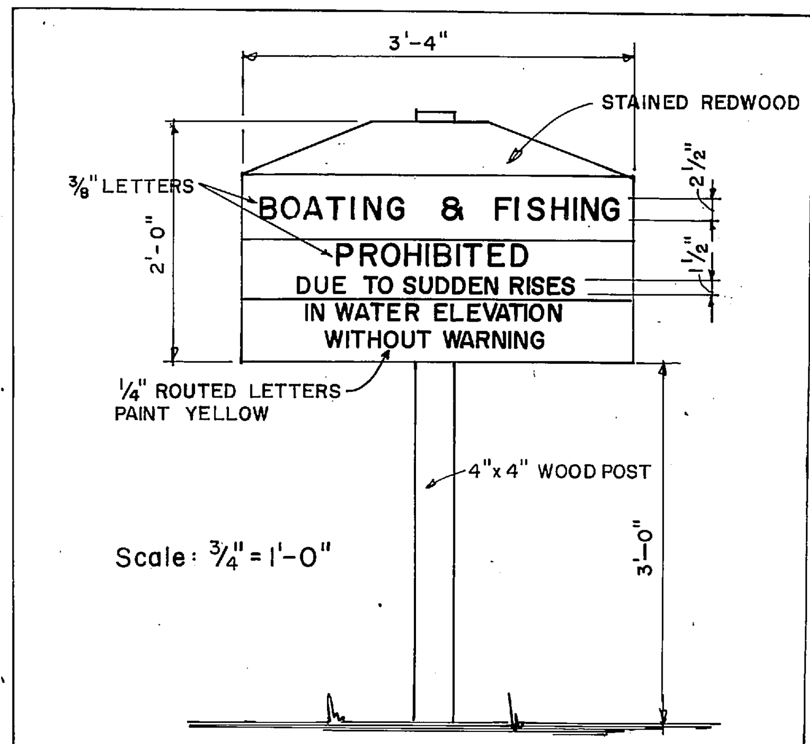
GATE DETAIL

CEMETERY IMPROVEMENT
SCALE: 1" = 1'-0"

ITEM 801-13



DETAIL OF CURB & GUTTER AT INTERSTATE HIGHWAY EXIT
SCALE: 1" = 5'



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

INFORMATION SIGN
ITEM 801-14

(See sheet 5 for location)

17 W
ROADWAY DETAILS
REST AREA
I-40 SMITH COUNTY
TENNESSEE

TN 197

FED. ROAD DIST. NO.		FISCAL YEAR	SHEET NO.	TOTAL SHEETS
3	TENN	1967	2b	71
FED. AID PROJ. NO.		LSI-40-5(5)268		
STATE PROJ. NO.		80001-3123-94		

REV. 6-27-67. REVISED QUANTITY OF GUARDRAIL.
REV. 7-6-67 CHANGED QUANTITY OF ITEM NO. 15-2 FROM 67,200 TONS TO 33,630 CU. YDS.

REV. 7-19-67: ITEM NOS. 12-2 & 12-2P ADDED.

REV. 7-24-67: ADDED BASE ALTERNATE ITEM 38-1.

REV. 2-2-68: ITEM NOS. 173-4 AND 173-4a ADDED TO TABULATION. THIS IS DUE TO THE DELETION OF ITEM 801-13.

REV. 12-9-71 ITEM NO. 162-2 DELETED AND TRANSFERRED TO PROJECT LSI-40-5(31)267.

PIPE SCHEDULE

	LOCATION CODE FROM	LOCATION CODE TO	PIPE SIZE & LENGTH (1) 15"	(1) 18"	(1) 24"	(2) 48"	% GRADE	GRANULAR BACKFILL
(3)	1/EW	2/EW		46'			1.0	10
(3)	3/EW	4/EW			80'		1.0	21
(3)	5/EW	6/EW		112'			3.2	24
(4)	7/12	8/12	56'				1.0	—
(4)	8/12	9/EW	26'				1.0	—
(4)	10/12	11/12	60'				1.0	—
(4)	11/12	12/EW	26'				1.0	—
	13/12	14/12	40'				1.0	—
	14/12	15/EW	12'				1.0	—
	16/12	17/12	86'				2.72	—
	17/12	18/EW	46'				1.0	—
	19/EW	22/EW			68'		1.0	18
	23/EW	26/EW		80'			0.5	17
	27/12	28/12	88'				1.0	—
	28/12	29/EW	48'				10.0	—
	30/12	31/12	86'				1.06	—
	31/12	32/EW	24'				1.0	—
	33/12	34/12	22'				1.0	—
	34/12	BLIND CONN.	38'				—	—
	35/EW	36/EW			612'		1.50	163
	37/12	38/12	88'				1.55	—
	39/12	BLIND CONN.	32'				—	—
	39/12	40/12	86'				1.16	—
	40/12	41/EW	60'				12.0	—
	42/EW	45/EW		100'			1.0	21
	43/12	44/12	18'				1.0	—
	44/12	BLIND CONN.	22'				—	—
	46/EW	47/EW		112'			3.6	24
	EXIST.	48/EW	12'				1.0	2
(3)	51	52				124'	1.0	53
(3)	53	54				124'	1.0	53
	TOTALS		976'	450'	760'	248'	—	406'

NOTES:

(1) REINF. CONCRETE PIPE, CLASS III
(2) BITUMINOUS COATED FERROUS C.M. PIPE, 12 GA.
(3) FOR LOCATION PLAN, SEE SHEET 4.
(4) FOR LOCATION PLAN, SEE SHEET 2b.

ESTIMATED ROADWAY QUANTITIES

		ITEM NO.	DESCRIPTION	QUANTITY	UNIT
	(1)	11-1	CLEARING & GRUBBING	1	LUMP SUM
	(2)	13-3	ROAD & DRAINAGE EXCAVATION (UNCLASSIFIED)	93770	CU YDS.
		13-5	WATER (EMBANKMENT, BASE, ETC.)	831	M. GAL.
		13-5A	WATER (SODDING & SEEDING)	2096	M. GAL.
	(3)	13-31	PLACING OF STOCKPILED TOPSOIL	5000	CU. YDS.
		15-2	BORROW EXCAVATION (SOLID ROCK)	33630	CU. YD
		21-1	SODDING	14800	SQ. YD.
		30-2	FIELD LABORATORY, TYPE B	1	EACH
BASE ALTERNATES		36-1	CRUSHED STONE (WATER BOUND BASE)	17349	TON
BASE ALTERNATES		38-1	CRUSHED GRAVEL OR CHERT (WATER BD. BASE)	17349	TON
	(10)	36-1X	CALCIUM CHLORIDE (TYPE 1 OR 2)	1041	BAG
BINDER ALTERNATES		43-1	MINERAL AGGREGATE (C.S., B.C.B.)	2429	TON
BINDER ALTERNATES		43-2	ASPHALT CEMENT (C.S., B.C.B.)	114	TON
BINDER ALTERNATES		43-3	TACK COAT (C.S., B.C.B.)	2	TON
BINDER ALTERNATES		44-1	MINERAL AGGREGATE (C.G., B.C.B.)	2429	TON
BINDER ALTERNATES		44-2	ASPHALT CEMENT (C.G., B.C.B.)	114	TON
BINDER ALTERNATES		44-3	TACK COAT (C.G., B.C.B.)	2	TON
		43A-1	MINERAL AGGREGATE (C.S., B.C.B.)	7859	TON
		43A-2	ASPHALT CEMENT (C.S., B.C.B.)	258	TON
		43A-3	TACK COAT (C.S., B.C.B.)	3	TON
LEVEL ALTERNATES		43LC-1	MINERAL AGGREGATE (C.S., B.C.B.)	979	TON
LEVEL ALTERNATES		43LC-2	ASPHALT CEMENT (C.S., B.C.B.)	46	TON
LEVEL ALTERNATES		43LC-3	TACK COAT (C.S., B.C.B.)	2	TON
LEVEL ALTERNATES		44LC-1	MINERAL AGGREGATE (C.G., B.C.B.)	979	TON
LEVEL ALTERNATES		44LC-2	ASPHALT CEMENT (C.G., B.C.B.)	46	TON
LEVEL ALTERNATES		44LC-3	TACK COAT (C.G., B.C.B.)	2	TON
PRIME COAT ALTERNATES		49-1	BITUMINOUS MATERIAL (PRIME COAT) TAR	38	TON
PRIME COAT ALTERNATES		49-1	BITUMINOUS MATERIAL (PRIME COAT) CUT-BACK ASPHALT	38	TON
PRIME COAT ALTERNATES		49-1	BITUMINOUS MATERIAL (PRIME COAT) EMULSIFIED ASPHALT	38	TON
		57-1	BITUMINOUS MATERIAL (S.B.S.T.)	2	TON
		57-2	MINERAL AGGREGATE FOR SEAL (S.B.S.T.)	16	TON
	(4)	59-3	MINERAL AGGREGATE FOR SEAL (D.B.S.T.)	3	TON
		103-1	MINERAL AGGREGATE (S.A. OR S.A.S.C.)	936	TON
		103-1A	MINERAL FILLER (S.A. OR S.A.S.C.)	42	TON
		103-2	ASPHALT CEMENT (S.A. OR S.A.S.C.)	68	TON
		103-3	TACK COAT (S.A. OR S.A.S.C.)	2	TON
	(5)	104-1	MINERAL AGGREGATE (A.C.S.C.)	263	TON
		104-2	ASPHALT CEMENT (A.C.S.C.)	19	TON
		104-3	TACK COAT (A.C.S.C.)	1	TON
		~~127-1A~~	~~CEMENT CONCRETE PAVEMENT (PLAIN) 10"~~		~~SQ. YD.~~
		132-4A	GRAY IRON CASTINGS CLASS 30	18576	LB.
		135-4	CLASS "A" CONCRETE (ROADWAY)	57	CU. YD.
		~~135-4A~~	~~CLASS "A" CONCRETE (RETAINING WALL)~~	~~352~~	~~CU. YD.~~
		135-4B	CLASS "A" CONCRETE (DITCH PAVING)	49	CU. YD.
		135-12	STEEL BAR REINF. (ROADWAY)	1726	LB.
		~~135-12A~~	~~STEEL BAR REINF. (RETAINING WALL)~~	~~23872~~	~~LB.~~
		141-2	15" CONCRETE PIPE CULVERT CLASS 3	976	LIN. FT.
		141-3	18" CONCRETE PIPE CULVERT CLASS 3	450	LIN. FT.
		141-4	24" CONCRETE PIPE CULVERT CLASS 3	760	LIN. FT.
		141-18	GRANULAR BACKFILL MATERIAL	406	CU. YD.
		144-1	48" BITUMINOUS COATED FERROUS C.M. PIPE CULVERT (12 GA.)	248	LIN. FT.
		152-2	BRICK MASONRY	17	M.
	(6)	161-1	CONCRETE SIDEWALK 4" THICK	7407	SQ. FT.
		161-11	CONCRETE DRIVEWAYS 6" THICK	210	SQ. FT.
		161-12	CONCRETE MEDIAN 6" THICK	2400	SQ. FT.
		~~162-2~~	~~8" CONCRETE CURB~~	~~192~~	~~CU. YDS.~~ REV. 12-9-71
		162-21	CONCRETE COMBINATION CURB AND GUTTER (TYPE 6-30)	480	CU. YDS.
		162-22	CONCRETE COMBINATION CURB AND GUTTER (TYPE 8-30)	64	CU. YDS.
(8) 6' CHAIN LINK FENCE ALTERNATES		173-6	6' CHAIN LINK FENCE (GALV. STEEL)	300	LIN. FT.
(8) 6' CHAIN LINK FENCE ALTERNATES		173-6	6' CHAIN LINK FENCE (ALUMINUM ALLOY)	300	LIN. FT.
		173-6a	CHAIN LINK FENCE GATE 12' WIDE	1	LUMP SUM
		173-4	4' CHAIN LINK FENCE (GALV. STEEL)	217	LIN. FT. REV. 2-2-68
STOCK FENCE ALTS.		173-7	STOCK FENCE WITH STEEL POSTS	1650	LIN. FT.
STOCK FENCE ALTS.		173-7b	STOCK FENCE WITH TREATED TIMBER POSTS	1650	LIN. FT.
		173-4a	CHAIN LINK FENCE GATE 12' WIDE	1	LUMP SUM REV. 2-2-68
BRACED LINE POST ALTS.		173-7a	BRACED LINE POST (STEEL)	6	EACH
BRACED LINE POST ALTS.		173-7c	BRACED LINE POST (TREATED TIMBER)	6	EACH
		174-2	MARKERS (R.O.W.)	5	EACH
PERFORATED UNDERDRAIN PIPE ALTS.		178	6" PERFORATED CONCRETE PIPE	4180	LIN. FT.
PERFORATED UNDERDRAIN PIPE ALTS.		178	6" PERFORATED CLAY PIPE	4180	LIN. FT.
PERFORATED UNDERDRAIN PIPE ALTS.		178	6" PERFORATED BITUMINIZED FIBER PIPE	4180	LIN. FT.
PERFORATED UNDERDRAIN PIPE ALTS.		178	6" PERFORATED ALUMINUM ALLOY C.M. PIPE	4180	LIN. FT.
PERFORATED UNDERDRAIN PIPE ALTS.		178	4 5/8" SEMICIRCULAR METAL PIPE	4180	LIN. FT.
PERFORATED UNDERDRAIN PIPE ALTS.		178	6" PERFORATED C.M. PIPE	4180	LIN. FT.
		189-1	TOPSOIL	5000	CU. YD.
	(7)	500	SEEDING WITH MULCH	1800	UNIT
	(9)	12-2	REMOVAL OF BLDGS, (TR. #2)	1	LUMP SUM
		12-2P	SALVAGE VALUE OF BLDGS. REMOVED	1	LUMP SUM

FOOT NOTES: ESTIMATED ROADWAY QUANTITIES

(1) INCLUDES ROADWAYS AND SITE AREAS.
(2) INCLUDES 800 C.Y. FOR RETAINING WALL AND 5000 C.Y. FOR STRIPPING OF TOPSOIL.
(3) SEE SPECIAL PROVISION.
(4) MINERAL AGGREGATE TO BE CRUSHED GRAVEL FOR WALKS.
(5) MINERAL AGGREGATE MAY CONSIST OF 100% LIMESTONE.
(6) GRADE M.A. ARTICLE 226.02.
(7) A UNIT IS 1,000 SQ. FT.
(8) FENCE AROUND SEWAGE TREATMENT PLANT SEE SHEET 7.
(9) 2 FRAME HOUSES & 1 FRAME BARN TO BE REMOVED
(10) TO BE USED WITH EITHER ITEM 36-1 OR 38-1

ESTIMATED ROADWAY QUANTITIES (CON'T.)

	ITEM NO.	DESCRIPTION	QUANTITY	UNIT
GUARD RAIL ALTS. (6'-3" SPACING)	171-8	PAINTED STEEL DEEP BEAM SINGLE GD. RAIL W/STEEL POSTS @ 6'-3" c-c	2305	LIN. FT.
GUARD RAIL ALTS. (6'-3" SPACING)	171-8	GALV. STEEL DEEP BEAM SINGLE GD. RAIL W/STEEL POSTS @ 6'-3" c-c	2305	LIN. FT.
GUARD RAIL ALTS. (6'-3" SPACING)	171-8	ALUM. ALLOY DEEP BEAM SINGLE GD. RAIL W/STEEL POSTS @ 6'-3" c-c	2305	LIN. FT.
GUARD RAIL ALTS. (6'-3" SPACING)	171-10	PAINTED STEEL DEEP BEAM SINGLE GD. RAIL W/TIMBER POSTS (TREATED) @ 6'-3" c-c	2305	LIN. FT.
GUARD RAIL ALTS. (6'-3" SPACING)	171-10	GALV. STEEL DEEP BEAM SINGLE GD. RAIL W/TIMBER POSTS (TREATED) @ 6'-3" c-c	2305	LIN. FT.
GUARD RAIL ALTS. (6'-3" SPACING)	171-10	ALUM. ALLOY DEEP BEAM SINGLE GD. RAIL W/TIMBER POSTS (TREATED) @ 6'-3" c-c	2305	LIN. FT.
	171-14	GUARD RAIL ANCHOR BLOCK	1	EACH

SUMMARY OF QUANTITIES

	CLASS "A" CONC. CU. YD.	REINF. STEEL LB.	GR. IRON CASTINGS CL. 30 LB.	BRICK MASONRY M.
CATCH BASINS	17.64	—	18576	17.000
ENDWALLS	39.07	1726	—	—
TOTAL	56.71	1726	18576	17.000

STORM DRAINS AND SEWERS

LOC. CODE	STA.	TYPE OF STRUCT.	DRAWING NO.	C. E.	E. I.	CLASS "A" CONC. CU. YD.	STEEL REINF.-LBS.	GRAY IRON CAST.-LBS.	BRICK MASONRY
1/EW	16' RT. EB DEC. 7+00	"L" E'WALL	E-2-90	—	528.55	1.90	116	—	—
2/EW	30' LT. EB DEC. 7+00	"U" E'WALL	E-2-90	—	528.09	0.97	20	—	—
3/EW	32' RT. EB ACC. 5+96	ST. E'WALL 45° SKEW	E-2-90	—	525.80	3.54	205	—	—
4/EW	22' LT. EB ACC. 5+39	ST. E'WALL 45° SKEW	E-2-90	—	525.00	3.54	205	—	—
5/EW	41' LT. EB 11+24	ST. E'WALL 60° SKEW	E-2-90	—	519.00	1.91	115	—	—
6/EW	57' RT. EB 10+70	ST. E'WALL 60° SKEW	E-2-90	—	515.42	1.91	115	—	—
7/12	18' LT. EB 25+65	NO. 12 CB	S-CB-12c	499.19	495.41	0.74	—	774	0.673
8/12	2' RT. EB 25+10	NO. 12 CB	S-CB-12c	499.23	494.85	0.74	—	774	0.773
9/EW	28' RT. EB 25+10	"U" E'WALL	D-0-13	—	494.59	0.58	20	—	—
10/12	18' LT. EB 27+27	NO. 12 CB	S-CB-12c	499.22	495.44	0.74	—	774	0.673
11/12	2' RT. EB 27+80	NO. 12 CB	S-CB-12c	499.24	494.84	0.74	—	774	0.777
12/EW	28' RT. EB 27+89	"U" E'WALL	D-0-13	—	494.58	0.58	20	—	—
13/12	EB 50+20	NO. 12 CB	S-CB-12c	501.84	498.06	0.74	—	774	0.673
14/12	EB 31+80	NO. 12 CB	S-CB-12c	501.87	497.66	0.74	—	774	0.737
15/EW	12' RT. EB 31+80	"U" E'WALL	D-0-13	—	497.54	0.58	20	—	—
16/12	18' LT. EB 48+41	NO. 12 CB	S-CB-12c	505.47	501.69	0.74	—	774	0.673
17/12	18' LT. EB 33+16	NO. 12 CB	S-CB-12c	503.13	499.35	0.74	—	774	0.647
18/EW	28' RT. EB 33+16	"U" E'WALL	D-0-13	—	498.89	0.58	20	—	—
19/EW	35' LT. EB 36+84	ST. E'WALL 60° SKEW	E-2-90	—	500.00	5.40	167	—	—
20/12	18' LT. EB 36+92	NO. 12 CB	S-CB-12c	504.79	499.82	0.74	—	774	0.828
21/12	EB 37+00	NO. 12 CB	S-CB-12c	504.83	499.62	0.74	—	774	0.879
22/EW	27' RT. EB 37+12	"U" E'WALL	E-2-90	—	499.32	1.59	20	—	—
23/EW	28' RT. EB 41+36	ST. E'WALL 90° SKEW	E-2-90	—	501.50	1.65	99	—	—
24/12	EB 41+38	NO. 12 CB	S-CB-12c	507.16	501.36	0.74	—	774	1.053
25/12	18' LT. EB 41+40	NO. 12 CB	S-CB-12c	506.60	501.27	0.74	—	774	0.954
26/EW	52' LT. EB 41+47	"U" E'WALL	E-2-90	—	501.10	0.97	20	—	—
27/12	20' RT. EB 43+97	NO. 12 CB	S-CB-12c	512.73	509.41	0.71	—	774	0.584
28/12	65' LT. EB 43+78	NO. 12 CB	S-CB-12c	512.20	508.42	0.74	—	774	0.647
29/EW	113' LT. EB 43+78	"U" E'WALL	E-2-90	—	503.62	0.77	20	—	—
30/12	20' RT. EB 46+58	NO. 12 CB	S-CB-12c	514.01	510.69	0.71	—	774	0.584
31/12	65' LT. EB 46+70	NO. 12 CB	S-CB-12c	513.56	509.78	0.74	—	774	0.647
32/EW	89' LT. EB 46+70	STONE ENDWALL	SEE DETAIL SHEET 2a	—	509.54	—	—	—	—
33/12	20' LT. WB 5+02	NO. 12 CB	S-CB-12c	516.26	512.42	0.74	—	774	0.685
34/12	2' RT. WB 5+02	NO. 12 CB	S-CB-12c	515.98	512.20	0.74	—	774	0.647
35/EW	127' LT. WB 8+66	ST. E'WALL 45° SKEW	E-2-90	—	509.00	3.54	205	—	—
36/EW	60' RT. WB 3+02	"U" E'WALL	E-2-90	—	499.82	1.59	20	—	—
37/12	20' RT. WB 8+62	NO. 12 CB	S-CB-12c	529.36	526.04	0.71	—	774	0.584
38/12	65' LT. WB 8+43	NO. 12 CB	S-CB-12c	528.46	524.68	0.74	—	774	0.647
39/12	20' RT. WB 11+25	NO. 12 CB	S-CB-12c	530.29	526.97	0.71	—	774	0.584
40/12	65' LT. WB 11+35	NO. 12 CB	S-CB-12c	530.04	526.26	0.74	—	774	0.647
41/EW	125' LT. WB 11+35	"U" E'WALL	E-2-90	—	519.06	0.77	20	—	—
42/EW	42' RT. WB 13+71	ST. E'WALL 90° SKEW	E-2-90	—	519.00	1.65	99	—	—
43/12	WB 14+02	NO. 12 CB	S-CB-12c	526.85	522.67	0.74	—	774	0.731
44/12	18' LT. WB 14+02	NO. 12 CB	S-CB-12c	526.27	522.49	0.74	—	774	0.673
45/EW	58' LT. WB 13+83	"U" E'WALL	E-2-90	—	518.00	0.97	20	—	—
46/EW	20' RT. WB 17+70	ST. E'WALL 45° SKEW	E-2-90	—	526.00	2.34	140	—	—
47/EW	55' LT. WB 16+91	"U" E'WALL	E-2-90	—	522.00	0.97	20	—	—
48/EW	88' RT. EB I-40 513+00	"U" E'WALL	E-2-90	—	509.90	0.77	20	—	—
49	60' LT. EB 22+50	BEV. END	CM-1-5	—	476.00	—	—	—	—
50	64' RT. EB 22+50	BEV. END	CM-1-5	—	474.80	—	—	—	—
51	60' LT. EB 30+50	BEV. END	CM-1-5	—	476.00	—	—	—	—
52	64' RT. EB 30+50	BEV. END	CM-1-5	—	474.80	—	—	—	—
TOTALS						56.71	1726	18576	17.000

17W
ESTIMATED QUANTITIES
REST AREA
I-40 SMITH COUNTY
TENNESSEE

FED. ROAD DIST. NO.	TENN	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
3	TENN	1967	2c	71
FED. AID PROJ. NO.		LSI-40-5(5)268		
STATE PROJ. NO.		80001-3123-94		

REV. 6-28-67: ITEM 801-14 ADDED.
REV. 2-2-68: ITEM NO. 801-13 DELETED.
REV. 12-9-71: DELETED ITEM NOS. 801-1, 801-2, 801-3, 801-4, 801-5, 801-6, 801-9, 801-10, 801-11, 801-14. AND TRANSFERRED TO PROJECT I-40-5(31)267.

GROUND MOUNTED SIGNS BREAK-AWAY POSTS ESTIMATED QUANTITIES-STEEL SUPPORTS

ITEM NO.	DESCRIPTION	QUANTITY	UNIT
135-4	CLASS "A" CONCRETE	1.4	CU.YD.
135-12	STEEL BAR REINFORCEMENT	306	LB
300-1a	DELINEATOR (DOUBLE AMBER) REFLECTORS AND STEEL POSTS.	88	EACH
300-8a	STRUCTURAL STEEL I-BEAM (4I7.7) (BREAK-AWAY)	29	LIN. FT.
300-8d	STRUCTURAL STEEL I-BEAM (7I15.3) (BREAK-AWAY)	61	LIN. FT.
300-12a	FLAT SHEET ALUMINUM SIGNS (0.080" THICK)	5	SQ. FT.
300-12b	FLAT SHEET ALUMINUM SIGNS (0.100" THICK)	120	SQ. FT.
300-13	EXTRUDED ALUMINUM PANEL SIGNS	360	SQ. FT.
(1) 600-2	REMOVAL & RELOCATION OF SIGNS #12, #13, #18, AND #19	1	LUMP SUM

(1) THE LUMP SUM BID FOR REMOVING AND RESETTING OF SIGNS #12, #13, #18 AND #19 SHALL BE FULL COMPENSATION FOR FURNISHING ALL MATERIALS, INCLUDING ALL CONCRETE, REINFORCING STEEL, ANCHOR BOLTS, THE CUTTING OFF OF EXISTING SUPPORTS TO FIT NEW SLOPES IF NECESSARY, THE CHANGING OF NUMERALS AS OUTLINED ON SIGN-#13, THE REPAIRING OF ANY DAMAGE TO THE SIGNS INCURRED DURING THE PROCESS OF REMOVING AND RESETTING ETC, THE FINAL CLEANING UP, THE COMPLETION OF ALL INCIDENTALS THERETO AND ALL OTHER MATERIALS, TOOLS, SUPPLIES, LABOR, EQUIPMENT AND INCIDENTALS NECESSARY TO SATISFACTORILY COMPLETE THE ITEM.
SEE SHEET NO. 4 AND 66 FOR DETAILS.

GROUND MOUNTED SIGNS (NON BREAK-AWAY) ALTERNATE "A" ESTIMATED QUANTITIES-STEEL SUPPORTS

ITEM NO	DESCRIPTION	QUANTITY	UNIT
135-4	CLASS "A" CONCRETE	4.8	CU. YD.
135-12	STEEL BAR REINFORCEMENT	550	LB
300-3c	STRUCTURAL STEEL HOLLOW SQ. (2½"□, 0.188" Wall, 5.59#)	26	LIN. FT.
300-5	STRUCTURAL STEEL I-BEAM (3I5.7)	50	LIN. FT.
300-5a	STRUCTURAL STEEL I-BEAM (4I7.7)	111	LIN. FT.
300-5b	STRUCTURAL STEEL I-BEAM (5I10.0)	22	LIN. FT.
300-5d	STRUCTURAL STEEL I-BEAM (7I15.3)	31	LIN. FT.
300-6	STRUCTURAL STEEL WF-BEAM (6WF15.5)	29	LIN. FT.
300-6a	STRUCTURAL STEEL WF-BEAM (6WF20)	36	LIN. FT.

GROUND MOUNTED SIGNS (NON BREAK-AWAY) ALTERNATE "B" ESTIMATED QUANTITIES-ALUMINUM SUPPORTS

ITEM NO.	DESCRIPTION	QUANTITY	UNIT
135-4	CLASS "A" CONCRETE	4.8	CU.YD.
135-12	STEEL BAR REINFORCEMENT	550	LB
300-2b	ALUMINUM HOLLOW SQUARE (3"□, 0.125" Wall, 1.73#)	26	LIN. FT.
300-4a	ALUMINUM I-BEAM (4I 2.64)	50	LIN. FT.
300-4b	ALUMINUM I-BEAM (5I 3.43)	133	LIN. FT.
300-4e	ALUMINUM I-BEAM (7I 6.05)	31	LIN. FT.
300-4f	ALUMINUM I-BEAM (8I 6.35)	29	LIN. FT.
300-4g	ALUMINUM I-BEAM (9I 7.51)	36	LIN. FT.

LANDSCAPING QUANTITIES

ITEM NO.	DESCRIPTION		QUANITY	UNIT
183-1	BLACK MAPLE	2½" CAL.	18	EA.
183-2	RED MAPLE	2½" CAL.	32	EA.
183-3	SUGAR MAPLE	2½" CAL.	5	EA.
183-4	SYCAMORE	2½" CAL.	18	EA.
183-5	RED OAK	2" CAL.	10	EA.
183-6	PIN OAK	2½" CAL.	5	EA.
183-7	SWEET GUM	2½" CAL.	30	EA.
183-8	SHADE MASTER LOCUST	2" CAL.	4	EA.
183-9	YELLOW STEM WILLOW	6'-8'	10	EA.
183-10	FLOWERING ASH	5'-6'	13	EA.
183-11	MENTOR BARBERRY	15"-18"	32	EA.
183-12	FORSYTHIA YELLOW	18"	8	EA.
183-13	FLOWERING QUINCE, NIVALIS	18"-24"	16	EA.
183-14	PINK DOGWOOD	3'-4'	13	EA.
183-15	WHITE DOGWOOD	3'-4'	11	EA.
183-16	SMOOTH SUMAC	1½'-2'	200	EA.
183-17	STAGHORN SUMAC	1½'-2'	100	EA.
183-18	CRABAPPLE	6'-8'	11	EA.
183-19	ANTHONY WATER SPIREA	18"-24"	24	EA.
183-20	ANDORRA JUNIPER	15"-18"	20	EA.
183-21	ADAMS NEEDLE	18"-24"	21	EA.

BUILDING AND EQUIPMENT QUANTITIES

	ITEM NO.	DESCRIPTION	QUANITY	UNIT	
	~~801-1~~	~~REST AREA BUILDING - COMPLETE~~	~~1~~	~~L.S.~~	REV. 12-9-71
	~~801-2~~	~~PICNIC SHELTER - COMPLETE~~	~~8~~	~~EA.~~	
	~~801-3~~	~~PICNIC TABLES~~	~~26~~	~~EA.~~	
	~~801-4~~	~~CONCRETE PADS FOR PICNIC TABLES~~	~~10~~	~~EA.~~	
	~~801-5~~	~~GRILLS~~	~~7~~	~~EA.~~	
	~~801-6~~	~~GARBAGE RECEPTACLES~~	~~12~~	~~EA.~~	
LIGHTING ALTERNATE	801-8A	EXTERIOR LIGHTING-COMPLETE (ALUMINUM LIGHT STANDARDS)	1	L.S.	
	801-8B	EXTERIOR LIGHTING-COMPLETE (GALVANIZED STEEL LIGHT STANDARDS)	1	L.S.	
	~~801-9~~	~~WATER SUPPLY-COMPLETE~~	~~1~~	~~L.S.~~	REV. 12-9-71
	~~801-10~~	~~SANITARY SEWAGE - COMPLETE~~	~~1~~	~~L.S.~~	
(1)	~~801-11~~	~~POSTS AT SERVICE RAMPS~~	~~12~~	~~EA.~~	
	801-12	NATIVE STONE HEADWALL	1	EA.	
	~~801-13~~	~~CEMETERY IMPROVEMENT~~	~~1~~	~~L.S.~~	REV. 2-2-68
	~~801-14~~	~~WOODEN INFORMATION SIGN~~	~~2~~	~~EA.~~	REV. 12-9-71

(1) COST OF METAL SLEEVE FOR CENTER POSTS TO BE INCLUDED IN UNIT PRICE BID FOR ITEM 801-11.

17W
ESTIMATED QUANTITIES
REST AREA
I-40 SMITH COUNTY
TENNESSEE

FED. ROAD DIST. NO.	TENN.	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
3	N.	I-40-5(31)267 PAVING	19......	2f	

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 8, 9 & 10 ONLY.

FED. ROAD DIST. NO.	TENN	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
3	N	1967	2d	71
FED. AID PROJ. NO.		LSI-40-5(5)268		
STATE PROJ. NO.		80001-3123-94		

GENERAL NOTES

1. 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 1 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 11-1.

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.

11. 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

TRACT NO.	OWNER	RECORD BOOK	RECORD PAGE	AREA TO BE ACQUIRED	AREA REMAINING	TOTAL ACRES
1	LELAND D. BRADLEY ~~MRS. JOHN MOSS~~	* G	279	8.5	~~226.0~~	~~234.5~~
2	LELAND D. BRADLEY	63	202	62.6	0	62.6
3	LELAND D. BRADLEY	63	202	7.0	72.1	79.1
TOTAL				78.1		

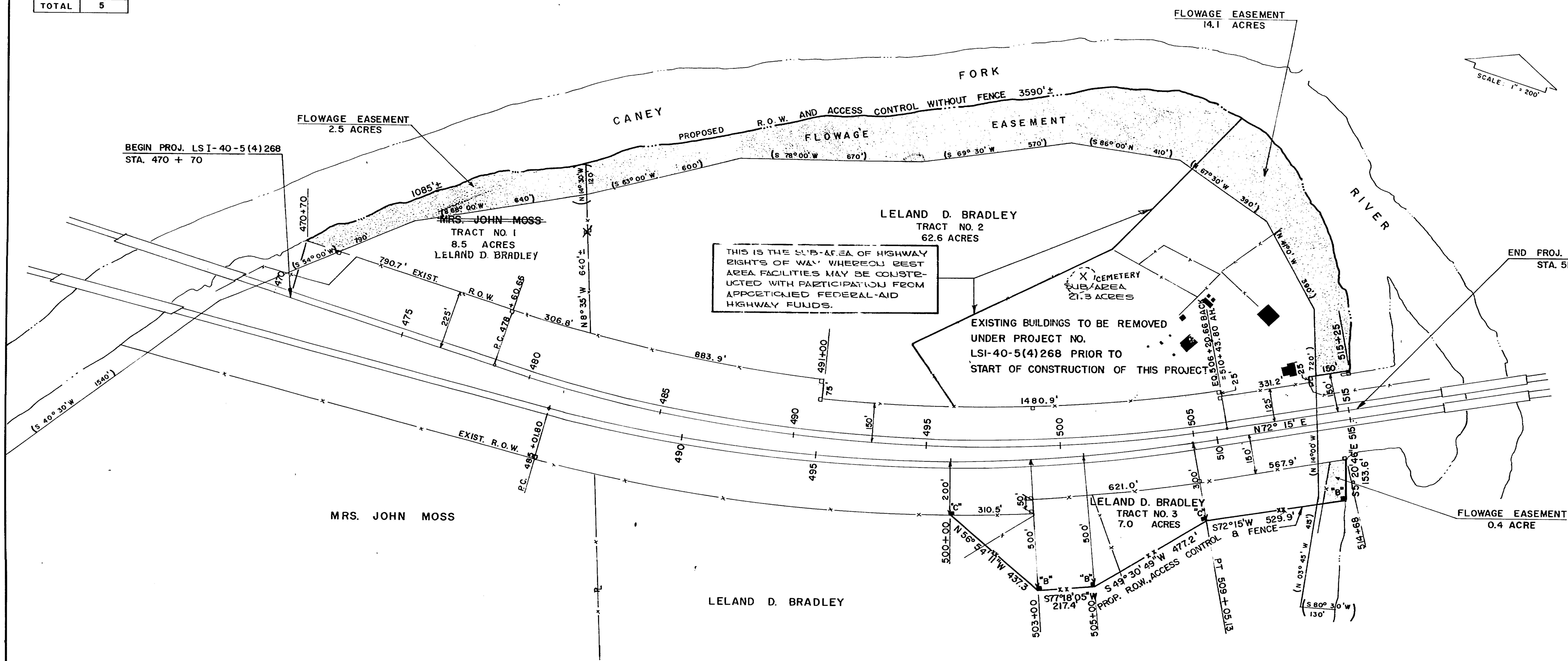
*WILL BOOK

R. O. W.	MARKERS
A	0
B	3
C	2
TOTAL	5

FED. ROAD DIST. NO.	STATE	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
3	TENN	1967	3	71
FED. AID PROJ. NO.	LSI-40-5(5)268			
STATE PROJ. NO.	80001-3123-94			

REV. 6-11-68: ADDED SUB AREA IDENTIFICATION TO PLANS.

REV. 6-27-68 CHANGED PROPERTY OWNER ON TRACT NO. 1, AND ADDED CEMETERY ON TR. 2.



NOTE: BEARINGS & DISTANCES SHOWN IN PARETHESES ARE TAKEN FROM CORPS OF ENGINEERS FLOWAGE EASEMENT DEEDS.

EASTBOUND CURVE DATA

Δ = 24°02' LT.
D = 1°00'
T = 1219.60'
L = 2403.33'

WESTBOUND CURVE DATA

Δ = 27° 36' LT.
D = 1°00'
T = 1407.32'
L = 2760.00'

17W

R. O. W. PLAN

REST AREA

I-40 SMITH COUNTY

TENNESSEE

FED. ROAD DIST. NO.	TENN	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
3		1967	4	71
FED. AID PROJ. NO.		LSI-40-5(5)268		
STATE PROJ. NO.		80001-3123-94		

REV. 6-27-67 ADDED NOTE REGUARDING GUARDRAIL ATTACHED TO TOP OF RETAINING WALL.

PROJECT NO.	YEAR	SHEET NO
IR-40-5(91)257	1989	31

TYPE	YEAR	PROJECT NO.	SHEET #
RESURF.	1999	IME-40-5(115)259	33

80001-8161-44
END OF PROJECT IME-40-5(115)259 RESURF.
L.M. 0.05 E.B.L. & W.B.L.

LEGEND

•• DOUBLE AMBER DELINEATOR

17W

RAMP ALIGNMENT

REST AREA
I-40 SMITH COUNTY
TENNESSEE

SCALE: 1" = 100'

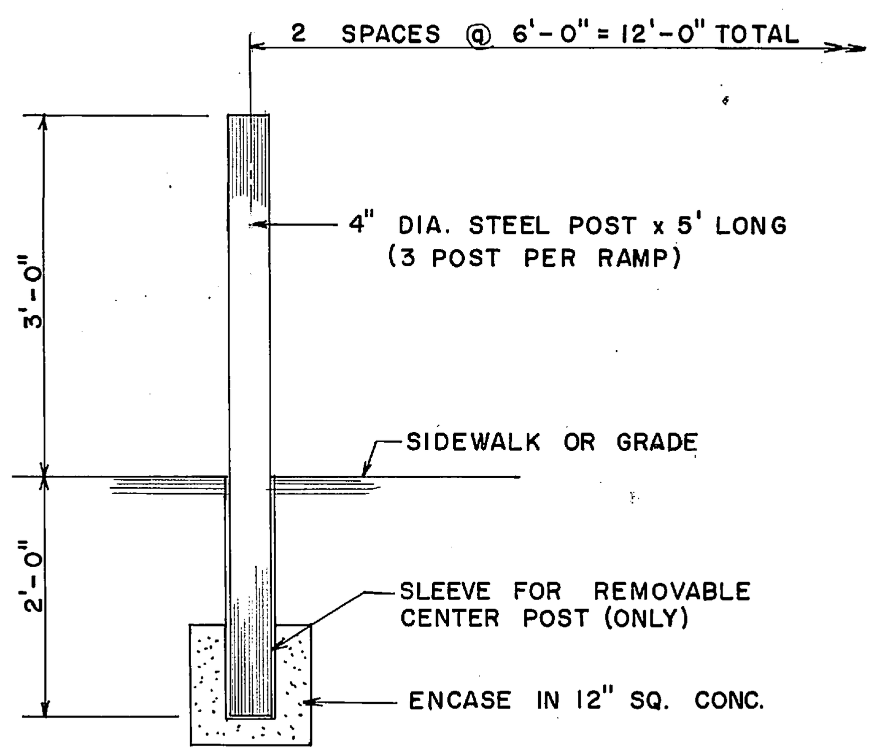
FED. ROAD DIST. NO.		FISCAL YEAR	SHEET NO.	TOTAL SHEETS
3	TENN	1967	5	71
FED. AID PROJ. NO.		LSI-40-5(5)268		
STATE PROJ. NO.		80001-3123-94		

REV. 6-28-67: LOCATION OF WOODEN INFORMATION SIGNS SHOWN.

FED. ROAD DIST. NO.		FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
3	TENN.	I-40-5(31)267	19	4a	

REV. 12-9-71: THIS SHT. ADDED TO PROJ. I-40-5(31) 267 (4a)

NOTES:
1. SEE SHEET 4 FOR ALIGNMENT DATA.
2. SEE SITE PLAN, SHEET 7, FOR GRADING AND ADDITIONAL SITE LAYOUT.



POST DETAIL
SCALE: 3/4" = 1'-0"
ITEM NO. 801-11

17W
PARKING AREA PLAN
REST AREA
I-40 SMITH COUNTY-
TENNESSEE

FED. ROAD DIST. NO.		FISCAL YEAR	SHEET NO.	TOTAL SHEETS
3	TENN	1967	6	~~15~~ 71
FED. AID. PROJ. NO.		LSI-40-5(5)268		
STATE PROJ. NO.		80001-3123-94		

17 W
PRESENT & PROPOSED PROFILE
REST AREA
I-40 SMITH COUNTY
TENNESSEE

TENN. STATE HIGHWAYS	
Plans	File TN
Divn.	No. 197

FED. ROAD DIST. NO.	TENN	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
3		1967	7	71
FED. AID PROJ. NO.		LSI-40-5(5)268		
STATE PROJ. NO.		80001-3123-94		

REV. 2-2-68: DETAILS AND DIMENSIONS FOR CEMETERY WEST OF I-40, STA. 500+39± ADDED. (SEE INSET)

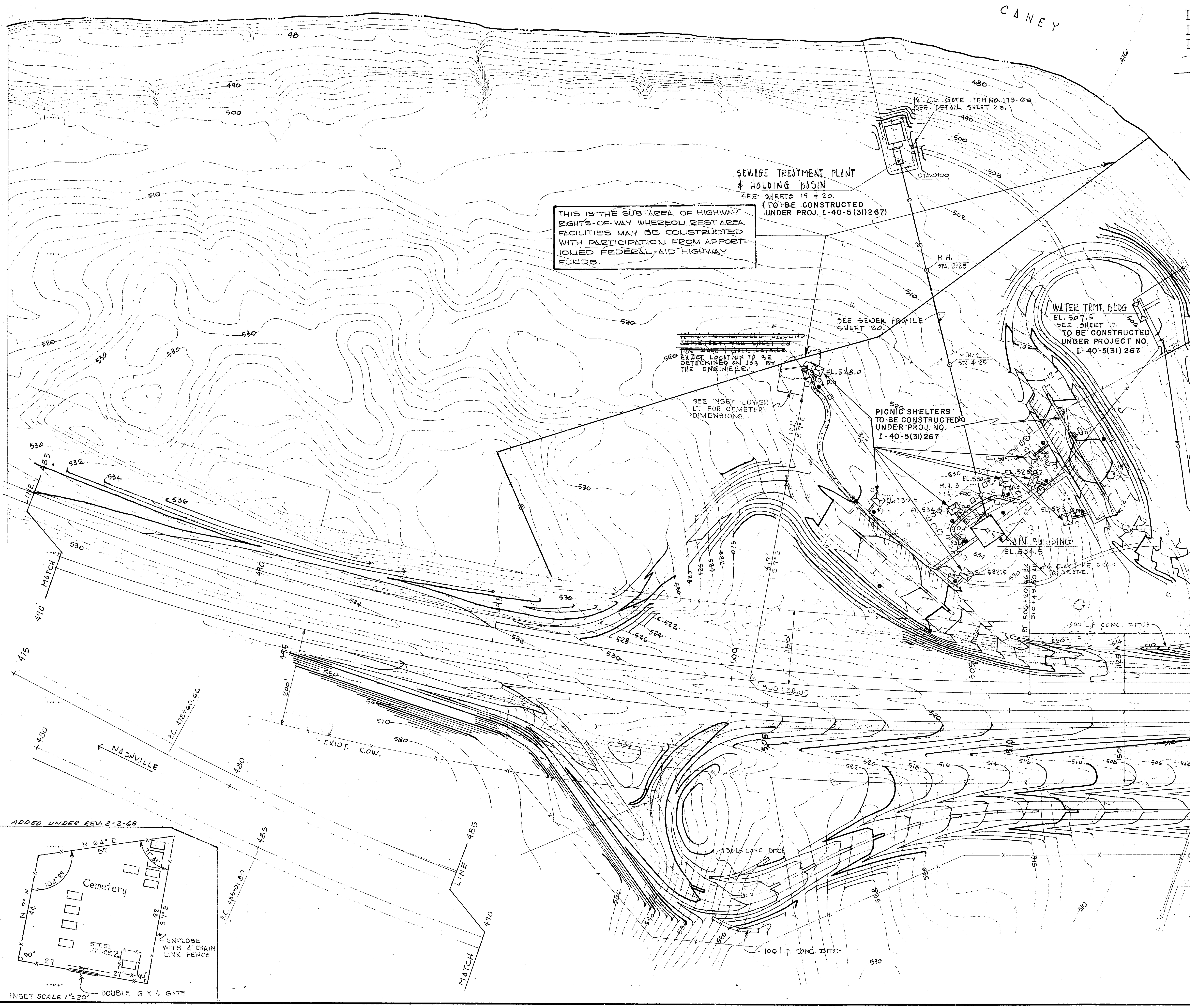
REV. 6-11-68: ADDED SUB-AREA IDENTIFICATION TO PLANS.

LEGEND OF SYMBOLS:

- NEW PAVEMENT
- CONCRETE SIDEWALKS
- ASPHALT SIDEWALKS
- EXISTING CONTOURS
- PROPOSED CONTOURS
- ● GARBAGE RECEPTACLE
- □ PICNIC TABLE
- ○ GRILL

FED. ROAD DIST. NO.	TENN	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
3		I-40-5(31)267		4b	

REV. 12-9-71: THIS SHEET ADDED TO PROJ. I-40-5(31)267. (SHT. 4b)



NOTES:

1. LOCATIONS SHOWN FOR IMPROVEMENTS IN PICNIC AREA (WALKS, PICNIC TABLES, SHELTERS, GRILLS, GARBAGE RECEPTACLES, ETC.) ARE APPROXIMATE. AFTER LAYOUT OF WALKS AND SELECTION OF TREES TO BE RETAINED, ENGINEER WILL PRECISELY ESTABLISH LOCATION OF IMPROVEMENTS.
2. SEE PICNIC SHELTER AND EQUIPMENT SHEET FOR DETAIL OF IMPROVEMENTS.
3. PROVIDE CUT-OFF AND DRAIN VALVES FOR WATER LINES TO PICNIC SHELTERS.
4. PIPES SHALL BE ROUTED TO MISS TREES WHERE POSSIBLE.
5. SEE COMPANION DRAWINGS FOR INFORMATION NOT SHOWN THIS SHEET.

17W

SITE PLAN

REST AREA

I-40 SMITH COUNTY TENNESSEE

FED. ROAD DIST. NO.	TENN	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
3		1967	8	71
FED. AID PROJ. NO.	LSI-40-5(5)268			
STATE PROJ. NO.	80001-3123-94			

REV. 2-2-68: CEMETERY WEST OF I-40, STA. 500+39± ADDED.

PLANT LIST

ITEM	SYM.	BOTANICAL NAME	COMMON NAME	SIZE & SPACING		QUANTITY	
183-1	A	ACER NIGRUM	BLACK MAPLE	2 1/2" CAL.	40' O.C.	18	B&B
183-2	B	ACER RUBRUM	RED MAPLE	2 1/2" CAL.	40' O.C.	32	B&B
183-3	C	ACER SACCHARUM	SUGAR MAPLE	2 1/2" CAL.	40' O.C.	5	B&B
183-4	D	PLANTANUS OCCIDENTALIS	SYCAMORE	2 1/2" CAL.	AS SHOWN	18	B&B
183-5	E	QUERCUS RUBRA	RED OAK	2" CAL.	40' O.C.	10	B&B
183-6	F	QUERCUS PALUSTRIS	PIN OAK	2 1/2" CAL.	AS SHOWN	5	B&B
183-7	G	LIQUIDAMBAR STYRACIFOLUA	SWEET GUM	2 1/2" CAL.	30' O.C.	30	B&B
183-8	H	GLEDITSIA SHADEMASTER	SHADE MASTER LOCUST	2" CAL.	30' O.C.	4	B&B
183-9	I	SALIX ALBA VITELLINA	YELLOW STEM WILLOW	6'-8'	20' O.C.	10	B&B
183-10	J	FRAXINUS ORNUS	FLOWERING ASH	5'-6'	AS SHOWN	13	B&B
183-11	K	BERBERIS MENTORENSIS	MENTOR BARBERRY	15"-18"	3' O.C.	32	B&B
183-12	L	FORSYTHIA INTERMEDIA LYNWOOD GOLD	FORSYTHIA, YELLOW	18"	3' O.C.	8	B&B
183-13	M	CHAENOMELES JAPONICA, 'NIVALIS'	FLOWERING QUINCE	18"-24"	3' O.C.	16	B&B
183-14	N	CORNUS FLORIDA	PINK DOGWOOD	3'-4'	AS SHOWN	13	B&B
183-15	O	CORNUS FLORIDA	WHITE DOGWOOD	3'-4'	AS SHOWN	11	B&B
183-16	P	RHUS GLABRA	SMOOTH SUMAC	1 1/2'-2'	2' O.C.	200	B&B
183-17	Q	RHUS TYPHINA	STAGHORN SUMAC	1 1/2'-2'	3' O.C.	100	B&B
183-18	R	MALUS VAR FLAME	CRABAPPLE	6'-8'	AS SHOWN	11	B&B
183-19	S	SPIREA BUMALDA	ANTHONY WATER SPIREA	18"-24"	3' O.C.	24	B&B
183-20	T	SUNIPERUS HORIRONTALIS PLUMOSA	ANDORRA JUNIPER	15"-18"	2' O.C.	20	B&B
183-21	U	YUCCA FILAMENTOSA	ADAMS NEEDLE	18"-24"	AS SHOWN	21	B&B

NOTES:

1. SET SHRUBS AND TREES WITH TOP LEVEL OF BALL JUST BELOW FINISH GRADE.
2. NO BURLAP IS TO SHOW ABOVE THE GROUND FROM BALL.
3. AFTER CLEARING AND GRADING, LANDSCAPING PLANS SHALL BE APPROVED BY ENGINEER, CONSULANT AND STATE LANDSCAPE ARCHITECT PRIOR TO ORDERING LANDSCAPING ITEMS.
4. ALL AREA SOUTH OF INTERSTATE NOT PAVED, SODDED OR SOLID ROCK FILL SHALL BE SEEDED ITEMS 189-1 & 500.

17W

LANDSCAPING PLAN

REST AREA

I-40 SMITH COUNTY

TENNESSEE

F I N I S H S C H E D U L E										
SPACE	SPACE NAME	FLOOR	BASE	WALL	CEILING	PAINTING WALL	PAINTING DOOR	PAINTING WIN.	PAINTING TRIM	REMARKS
101	ATTENDANTS HEADQUARTERS	V.A. TILE	RUBBER	PANELING	*EXP. WOOD	✓	✓	✓	✓	*STAINED BEAM & DECK
102	MAINT. STORAGE & PIPE CHASE	EXP. CONC.	——	EXP. BLK.	*EXP. WOOD	✓	✓		✓	*DO
103	MENS TOILET	C. T.	C. T.	EXP. BLK.	*EXP. WOOD	✓	✓	✓	✓	*DO
104	WOMENS TOILET	C. T.	C. T.	EXP. BLK.	*EXP. WOOD	✓	✓	✓	✓	*DO

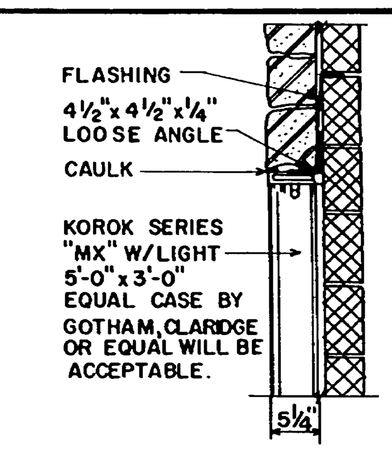
D O O R S C H E D U L E				
TYPE	SIZE	DESCRIPTION	FRAME	REMARKS
A	3'-0" x 7'-0" x 1¾"	HOLLOW METAL WITH HALF GLASS	METAL	SIDELITES— SEE DETAILS
B	3'-0" x 7'-0" x 1¾"	FLUSH HOLLOW METAL	METAL	DOOR GRILLE 24" x 30"
C	5'-0" x 7'-0" x 1¾"	HOLLOW METAL WITH HALF GLASS	METAL	
D	3'-0" x 7'-0" x 1¾"	FLUSH HOLLOW METAL	METAL	
*E	5'-0" x 6'-8" x 1¾"	PAIR, HOLLOW METAL	WOOD	18" x 16" GRILL, EACH DOOR

*SEE SHEET 17 FOR LOCATION

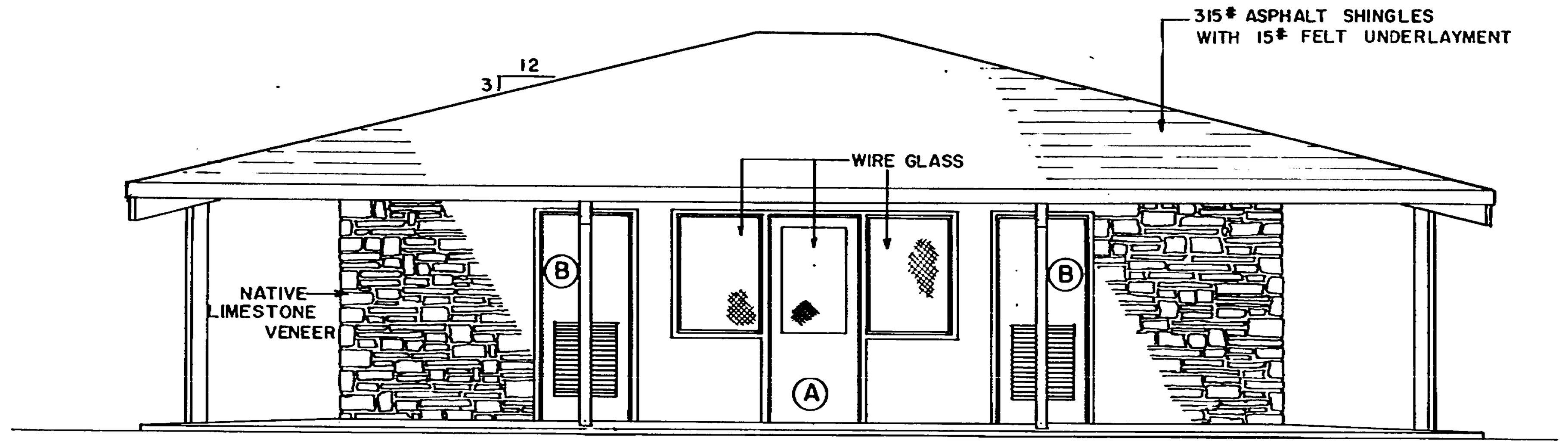
FED. ROAD DIST. NO.	TENN	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
3		1967	~~9~~	7N
FED. AID PROJ. NO.		~~LSI-40-5(5)268~~		
STATE PROJ. NO.		~~80001-3123-84~~		

I-40-5(31) 267   4c

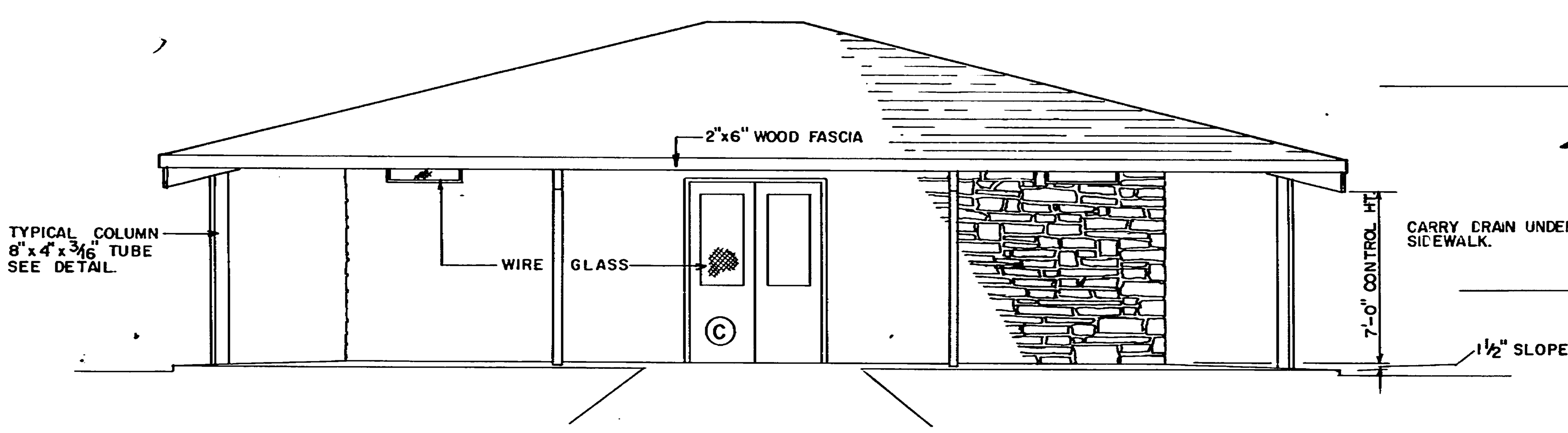
REV. 12-9-71: THIS SHEET ADDED TO PROJ. I-40-5(31) 267.



MAP CASE DETAIL
SCALE: ¾" = 1'-0"

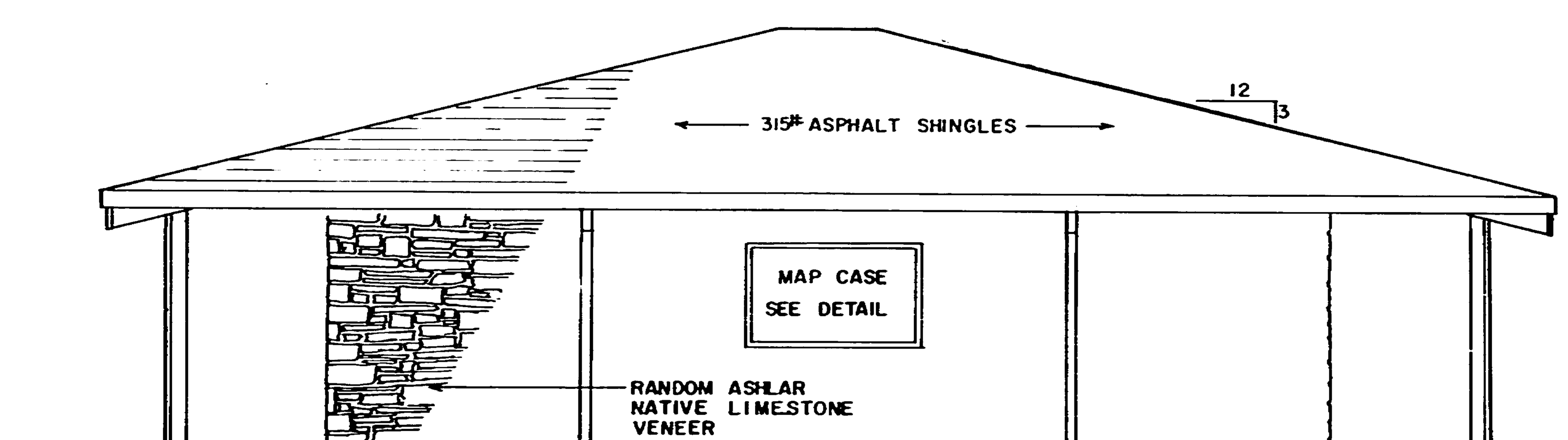


FRONT ELEVATION



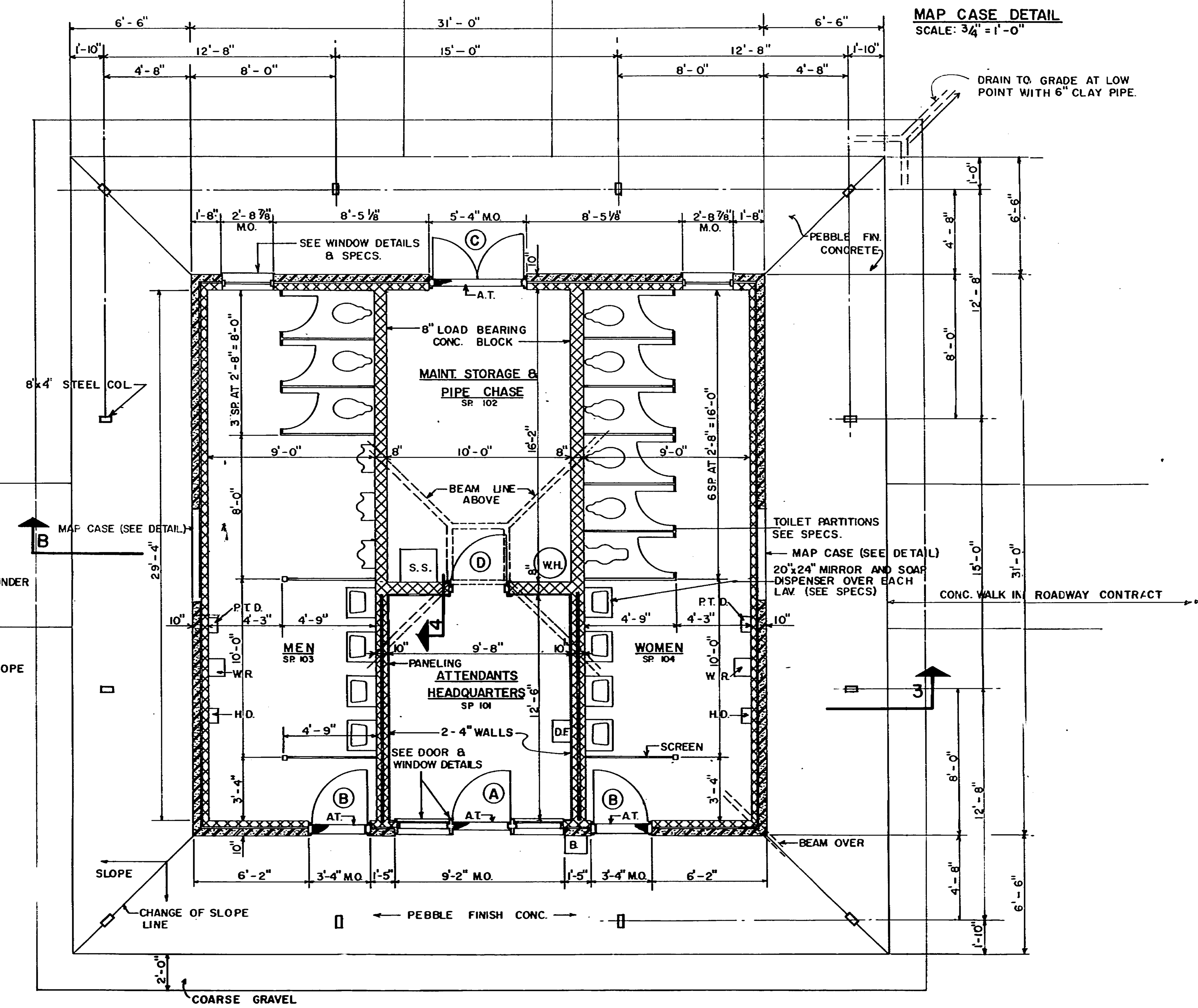
REAR ELEVATION

FOR FINISH GRADES AROUND BLDG. AND FINISH FLOOR ELEVATION SEE SITE PLAN



SIDE ELEVATION
BOTH SIDES SIMILAR

SCALE: ¼" = 1'-0"

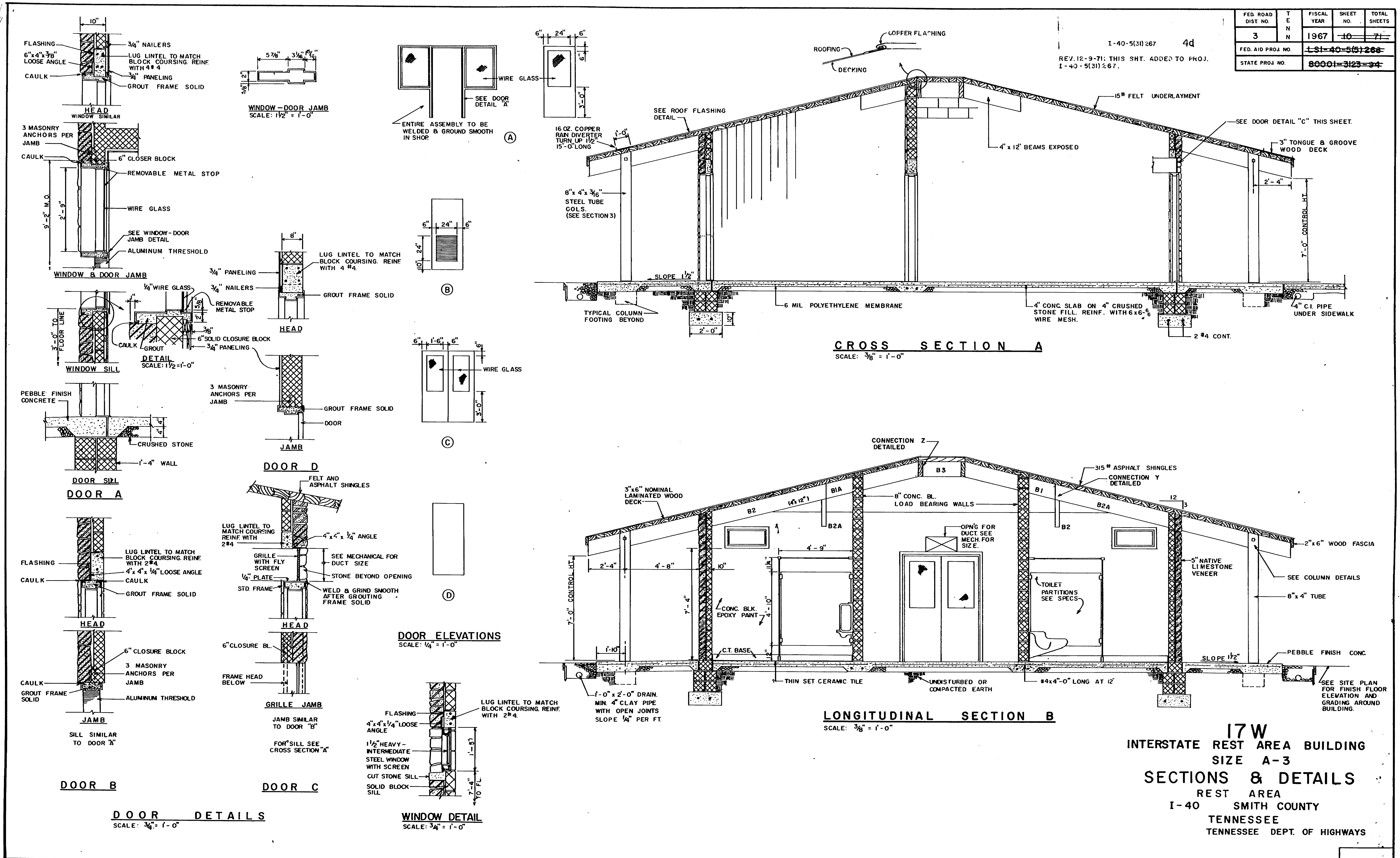


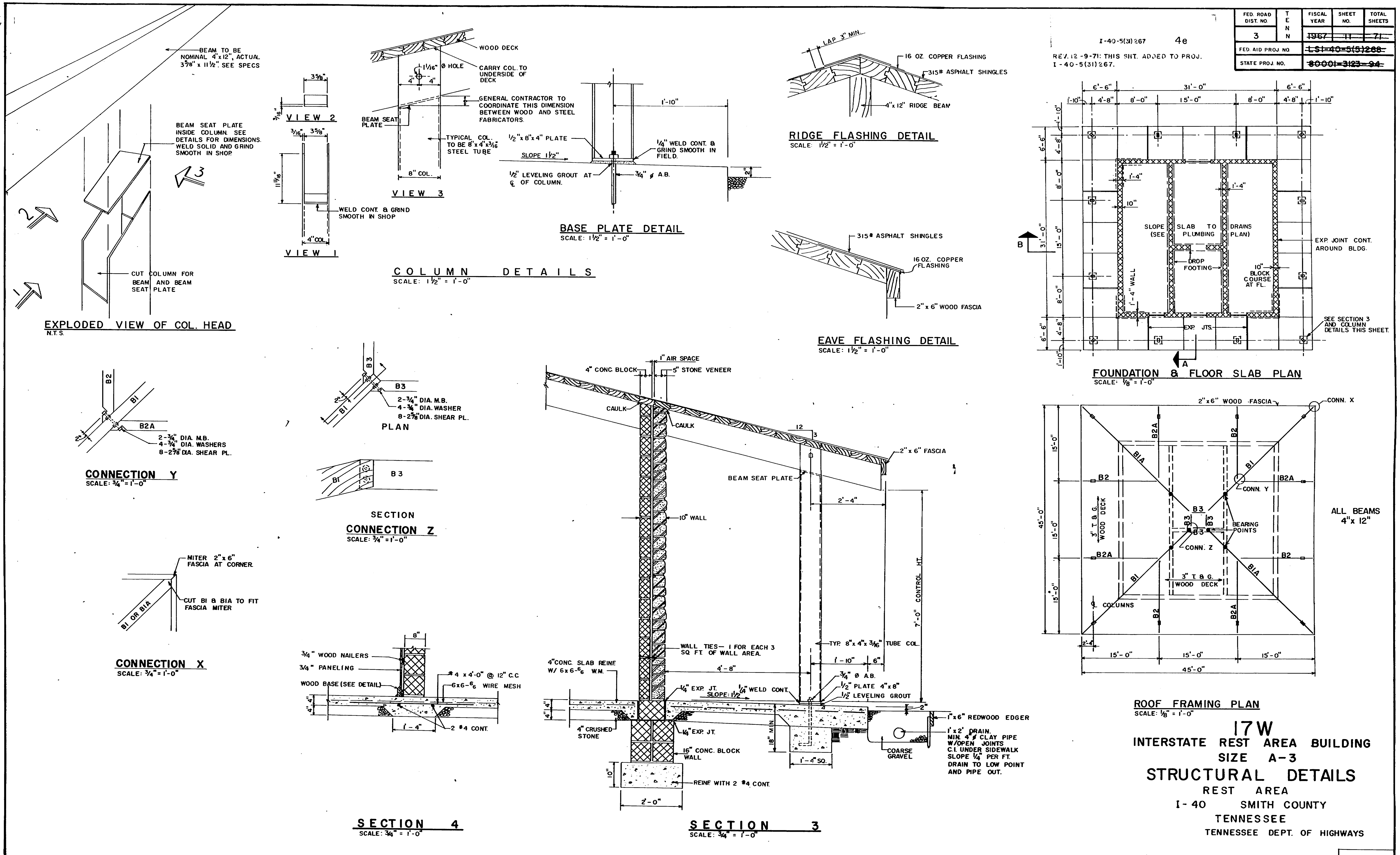
ABBREVIATION LEGEND

P.T.D. — PAPER TOWEL DISPENSER
W.R. — WASTE RECEPTACLE
H.D. — HAND DRYER
D.F. — DRINKING FOUNTAIN
A.T. — ALUMINUM THRESHOLD
B. — BUBBLER
V.A. — VINYL ASBESTOS
C.T. — CERAMIC TILE
S.S. — SERVICE SINK
W.H. — WATER HEATER

FLOOR PLAN
SCALE: ¼" = 1'-0"

17W
INTERSTATE REST AREA BUILDING.
SIZE A-3
FLOOR PLAN & ELEVATIONS
REST AREA
I-40 SMITH COUNTY
TENNESSEE
TENNESSEE DEPT. OF HIGHWAYS


FED. ROAD DIST. NO. 3
TENN
FISCAL YEAR 1967
SHEET NO. ~~10~~
TOTAL SHEETS ~~71~~
FED. AID PROJ. NO. ~~I-SI-40-5(5)268~~
STATE PROJ. NO. ~~80001-3123-34~~
I-40-5(31)267
4d
REV. 12-9-71: THIS SHT. ADDED TO PROJ. I-40-5(31)267.
10"
FLASHING
3/4" NAILERS
6"x4"x3/8" LOOSE ANGLE
LUG LINTEL TO MATCH BLOCK COURSING. REINF. WITH 4#4
3/4" PANELING
CAULK
GROUT FRAME SOLID
HEAD
WINDOW SIMILAR
3 MASONRY ANCHORS PER JAMB
6" CLOSER BLOCK
REMOVABLE METAL STOP
9'-2" M.O.
2'-9"
WIRE GLASS
SEE WINDOW-DOOR JAMB DETAIL
ALUMINUM THRESHOLD
WINDOW & DOOR JAMB
1/4" WIRE GLASS
REMOVABLE METAL STOP
3'-0" TO FLOOR LINE
GROUT
3/8"
6" SOLID CLOSURE BLOCK
3/4" PANELING
DETAIL
SCALE: 1 1/2"=1'-0"
WINDOW SILL
PEBBLE FINISH CONCRETE
CRUSHED STONE
1'-4" WALL
DOOR SILL
DOOR A
WINDOW-DOOR JAMB
SCALE: 1 1/2" = 1'-0"
5 7/8"
3 1/16"
ENTIRE ASSEMBLY TO BE WELDED & GROUND SMOOTH IN SHOP
SEE DOOR DETAIL "A"
WIRE GLASS
A
B
C
D
6"
24"
3'-0"
1'-6"
8"
LUG LINTEL TO MATCH BLOCK COURSING. REINF. WITH 4 #4.
3/4" PANELING
3/4" NAILERS
GROUT FRAME SOLID
HEAD
3 MASONRY ANCHORS PER JAMB
DOOR
JAMB
DOOR D
DOOR ELEVATIONS
SCALE: 1/4" = 1'-0"
FLASHING
LUG LINTEL TO MATCH BLOCK COURSING. REINF. WITH 2#4.
4"x 4"x 1/4" LOOSE ANGLE
CAULK
GROUT FRAME SOLID
6" CLOSURE BLOCK
3 MASONRY ANCHORS PER JAMB
GROUT FRAME SOLID
ALUMINUM THRESHOLD
JAMB
SILL SIMILAR TO DOOR "A"
DOOR B
FELT AND ASPHALT SHINGLES
LUG LINTEL TO MATCH COURSING REINF. WITH 2#4
4"x4"x 1/4" ANGLE
GRILLE WITH FLY SCREEN
SEE MECHANICAL FOR DUCT SIZE
STONE BEYOND OPENING
1/4" PLATE
STD. FRAME
WELD & GRIND SMOOTH AFTER GROUTING FRAME SOLID
6" CLOSURE BL.
FRAME HEAD BELOW
GRILLE JAMB
JAMB SIMILAR TO DOOR "B"
FOR SILL SEE CROSS SECTION "A"
DOOR C
DOOR DETAILS
SCALE: 3/4"= 1'-0"
FLASHING
4"x4"x1/4" LOOSE ANGLE
LUG LINTEL TO MATCH BLOCK COURSING. REINF. WITH 2#4.
1 1/2" HEAVY-INTERMEDIATE STEEL WINDOW WITH SCREEN
CUT STONE SILL
SOLID BLOCK SILL
7'-4" TO FL.
WINDOW DETAIL
SCALE: 3/4"= 1'-0"
COPPER FLASHING
ROOFING
DECKING
SEE ROOF FLASHING DETAIL
16 OZ. COPPER RAIN DIVERTER TURN UP 1 1/2" 15'-0" LONG
15# FELT UNDERLAYMENT
SEE DOOR DETAIL "C" THIS SHEET.
3" TONGUE & GROOVE WOOD DECK
4" x 12" BEAMS EXPOSED
8"x 4"x 3/16" STEEL TUBE COLS. (SEE SECTION 3)
2'-4"
7'-0" CONTROL HT.
SLOPE 1/2"
TYPICAL COLUMN FOOTING BEYOND
6 MIL POLYETHYLENE MEMBRANE
4" CONC. SLAB ON 4" CRUSHED STONE FILL. REINF. WITH 6x6-6/6 WIRE MESH.
4" C.I. PIPE UNDER SIDEWALK
2'-0"
2 #4 CONT.
CROSS SECTION A
SCALE: 3/8" = 1'-0"
CONNECTION Z DETAILED
B3
315# ASPHALT SHINGLES
CONNECTION Y DETAILED
3"x6" NOMINAL LAMINATED WOOD DECK
B1A
B2
B2A
B1
8" CONC. BL. LOAD BEARING WALLS
OPN'G FOR DUCT SEE MECH. FOR SIZE.
2"x6" WOOD FASCIA
5" NATIVE LIMESTONE VENEER
SEE COLUMN DETAILS
8"x 4" TUBE
4'-9"
4'-8"
10"
7'-0" CONTROL HT.
TOILET PARTITIONS SEE SPECS
CONC. BLK. EPOXY PAINT
C.T. BASE
1'-10"
SLOPE 1/2"
PEBBLE FINISH CONC.
1'-0" x 2'-0" DRAIN. MIN. 4" CLAY PIPE WITH OPEN JOINTS SLOPE 1/4" PER FT.
THIN SET CERAMIC TILE
UNDISTURBED OR COMPACTED EARTH
#4x4'-0" LONG AT 12'
SEE SITE PLAN FOR FINISH FLOOR ELEVATION AND GRADING AROUND BUILDING.
LONGITUDINAL SECTION B
SCALE: 3/8" = 1'-0"
17W
INTERSTATE REST AREA BUILDING
SIZE A-3
SECTIONS & DETAILS
REST AREA
I-40 SMITH COUNTY
TENNESSEE
TENNESSEE DEPT. OF HIGHWAYS



FED. ROAD DIST. NO.		FISCAL YEAR	SHEET NO.	TOTAL SHEETS
3	TENN	~~1967~~	~~11~~	~~71~~
FED. AID PROJ. NO.		~~I-SI-40-5(5)288~~		
STATE PROJ. NO.		~~80001-3123-94~~		

I-40-5(31)267 4e

REV. 12-9-71: THIS SHT. ADDED TO PROJ. I-40-5(31)267.

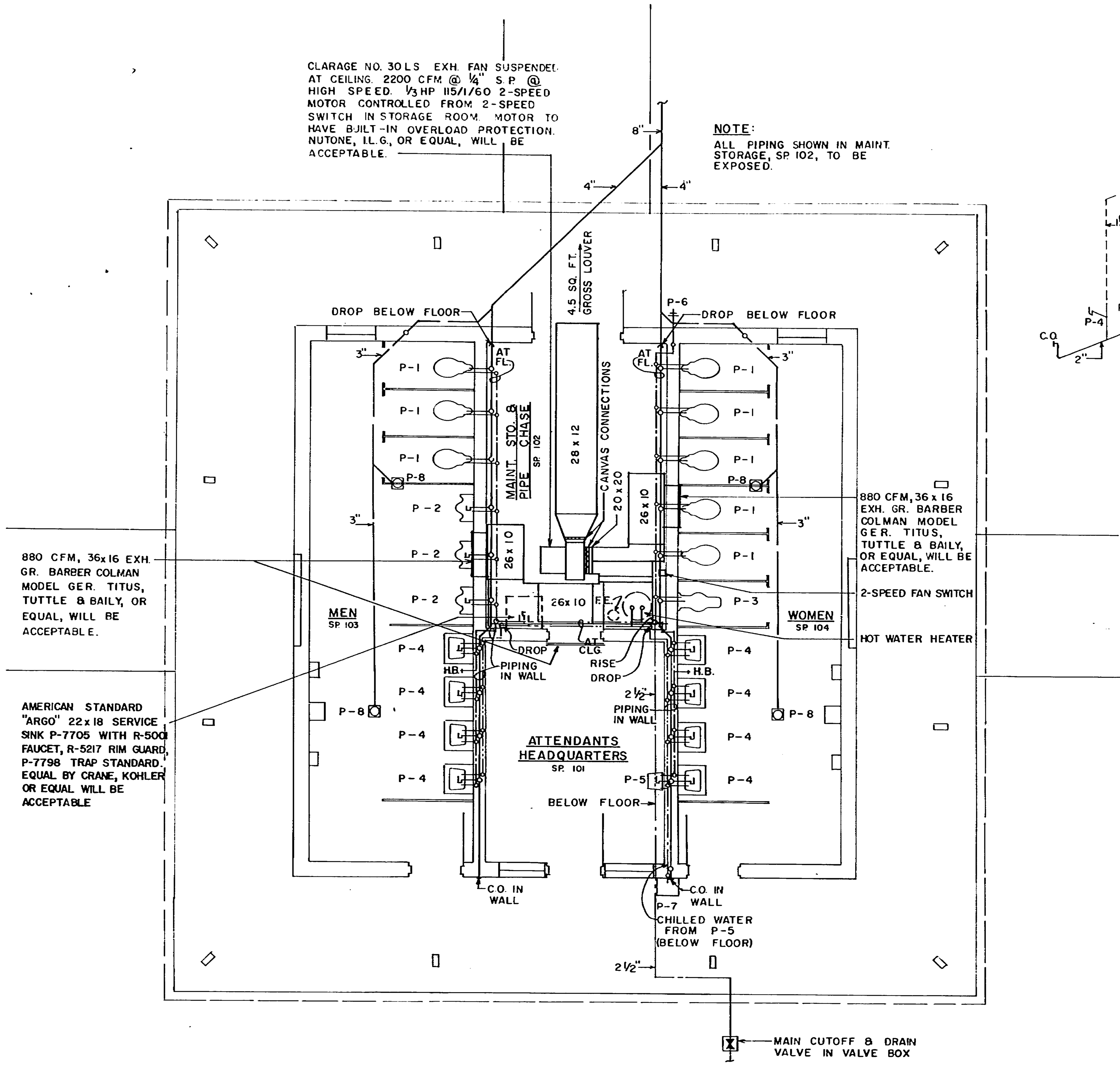
17W

INTERSTATE REST AREA BUILDING
SIZE A-3
STRUCTURAL DETAILS
REST AREA
I-40 SMITH COUNTY
TENNESSEE
TENNESSEE DEPT. OF HIGHWAYS

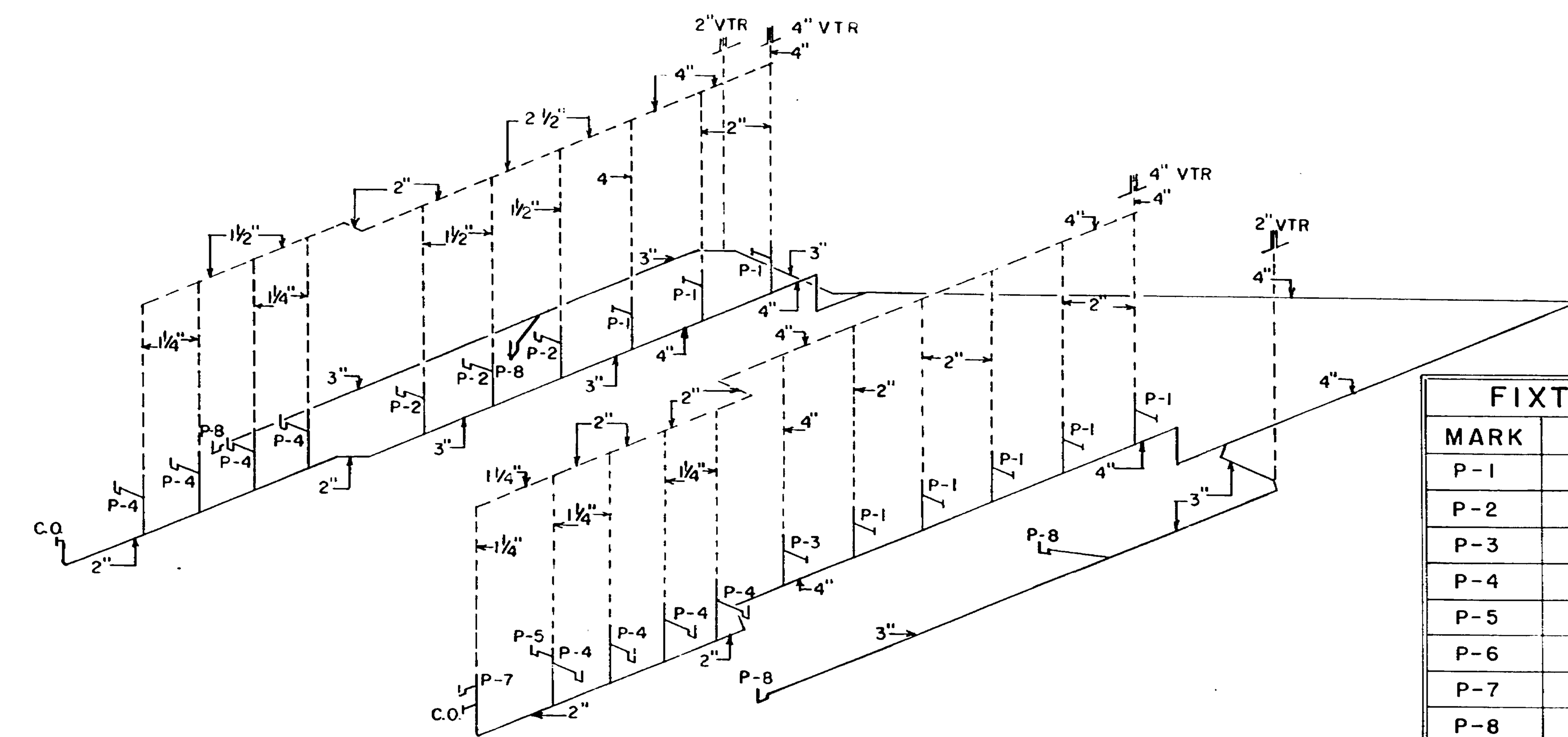
FED. ROAD DIST. NO.	TENN	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
3	TENN	~~1967~~	~~12~~	~~71~~
FED. AID PROJ. NO.		~~LSI-40-5(5)268~~		
STATE PROJ. NO.		~~80001-3123-94~~		

I-40-5(31)267 4f

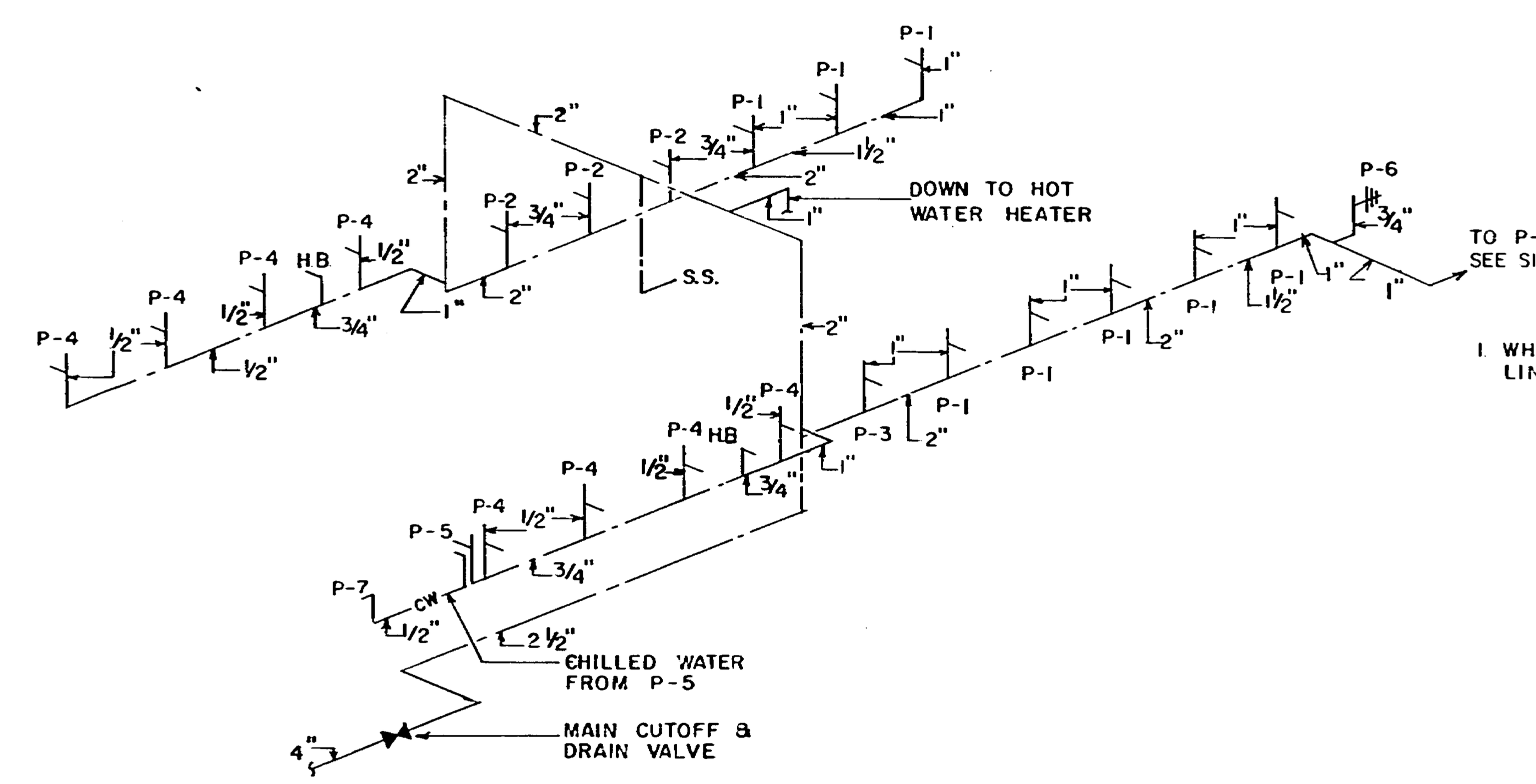
REV. 12-9-71: THIS SHT. ADDED TO PROJ. I-40-5(31) 267.



FLOOR PLAN
SCALE: 1/4" = 1'-0"



SOIL, WASTE & VENT RISE DIAGRAM
N.T.S.



COLD WATER RISER DIAGRAM
N.T.S.

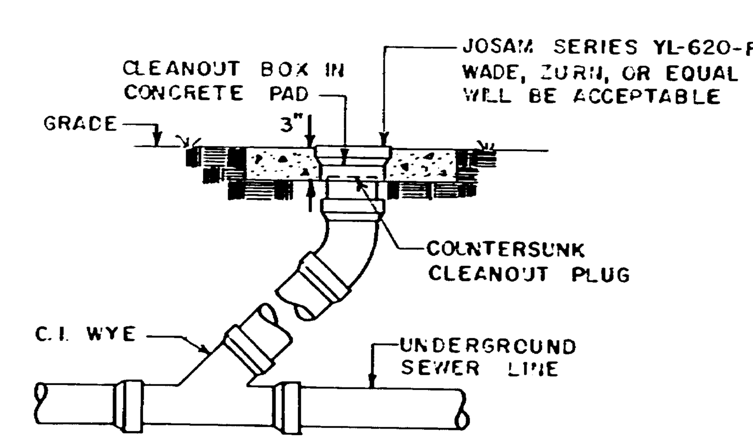
FIXTURE CONNECTION SCHEDULE				
MARK	FIXTURE	WASTE	HW	CW
P-1	WATER CLOSET	4"	—	1"
P-2	URINAL	2"	—	3/4"
P-3	URINAL	4"	—	1"
P-4	LAVATORY	1 1/4"	1/2"	1/2"
P-5	DRINKING FOUNTAIN	1 1/4"	—	1/2"
P-6	WALL HYDRANT	—	—	3/4"
P-7	DRINKING FOUNTAIN	2"	—	1/2"
P-8	FLOOR DRAIN	3"	—	—
P-9	POST HYDRANT	—	—	3/4"

LEGEND

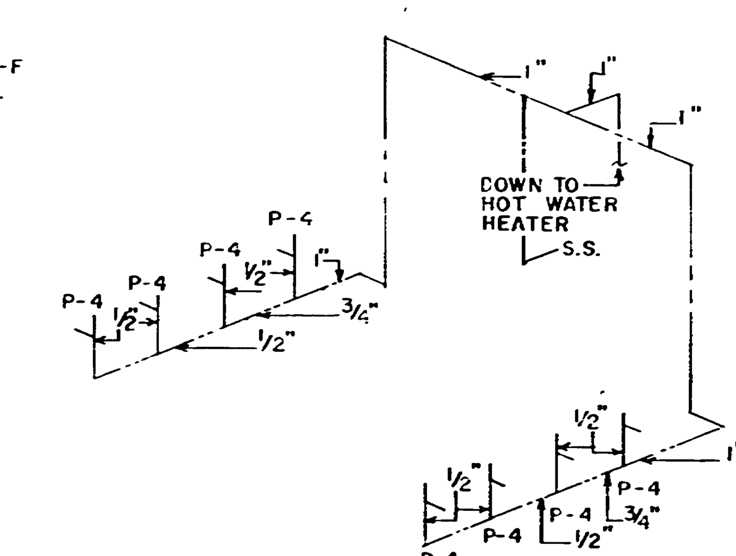
SOIL OR WASTE LINE	
VENT LINE	
COLD WATER LINE	
HOT WATER LINE	
VENT THRU ROOF	VTR
P- NO'S	SEE PLANS & SPECS
CLEANOUT	C.O.
FIRE EXTINGUISHER	F.E.
SERVICE SINK	S.S.

GENERAL NOTES

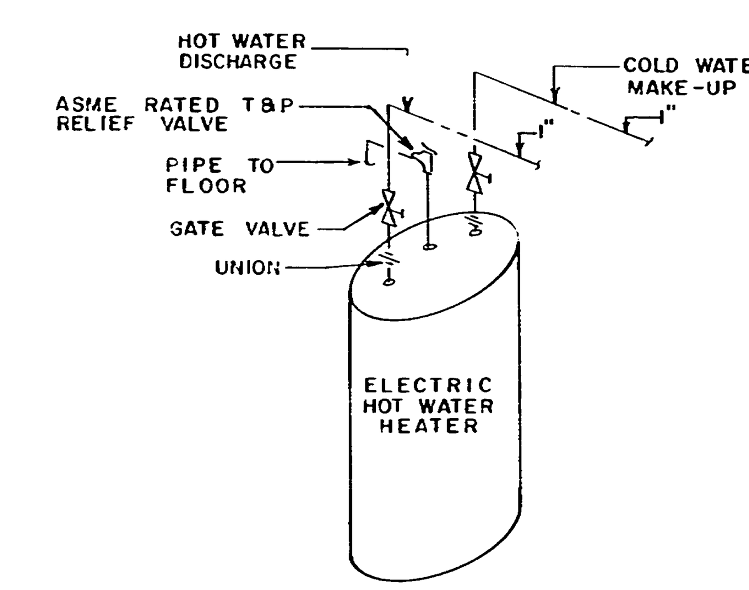
1. WHEREVER DISSIMILAR METALS ARE CONNECTED ON WATER LINES, A DIELECTRIC UNION SHALL BE USED.



CLEANOUT INSTALLATION
N.T.S.



HOT WATER RISER DIAGRAM
N.T.S.



PIPING & ELECTRIC HOT WATER HEATER
N.T.S.

17W

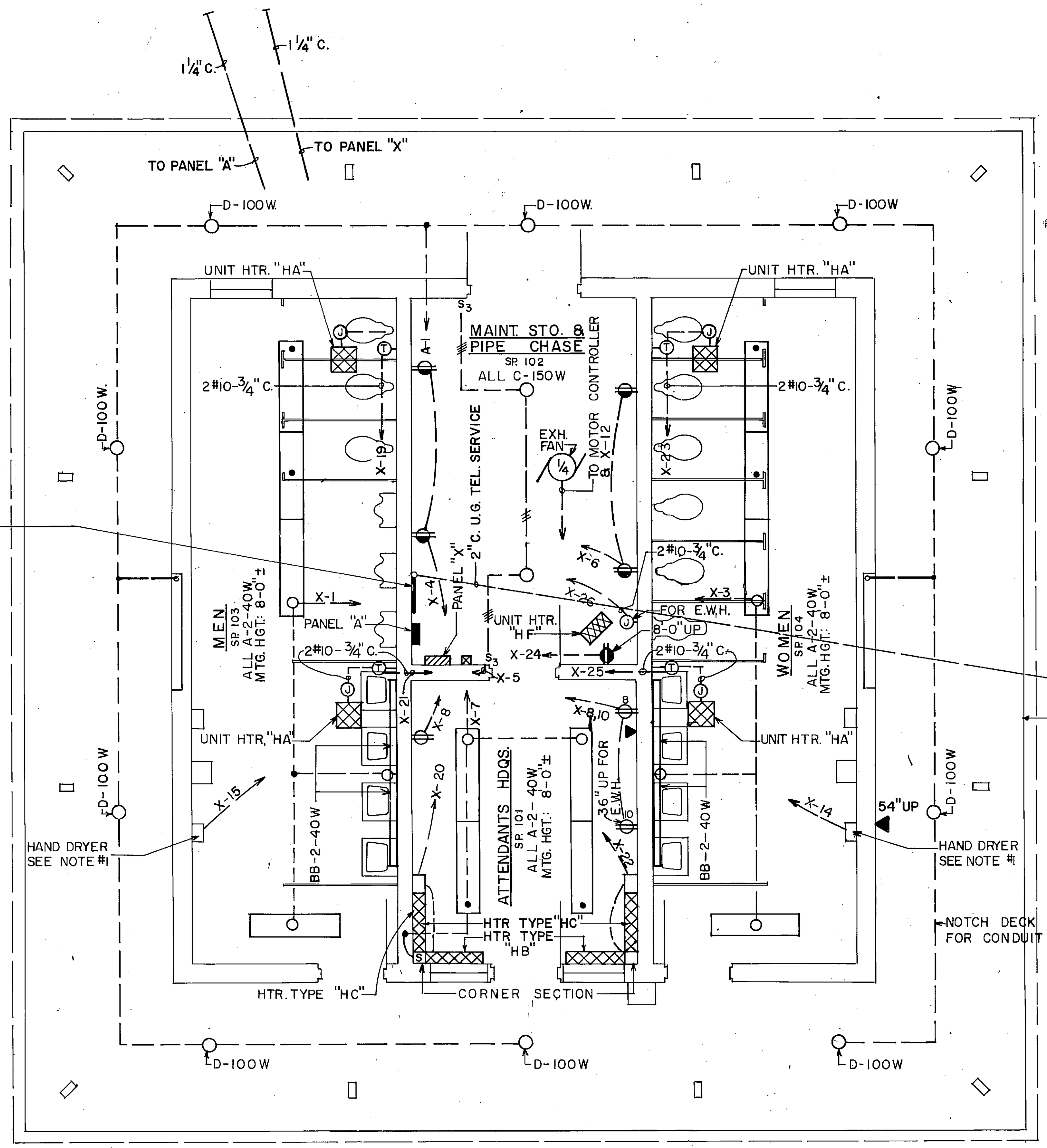
INTERSTATE REST AREA BUILDING
SIZE A-3
PLUMBING & VENTILATING
REST AREA
I-40 SMITH COUNTY
TENNESSEE
TENNESSEE DEPT. OF HIGHWAYS

FED. ROAD DIST. NO.	TEN.	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
3	N.	I-40-5(31)267	19	4g	

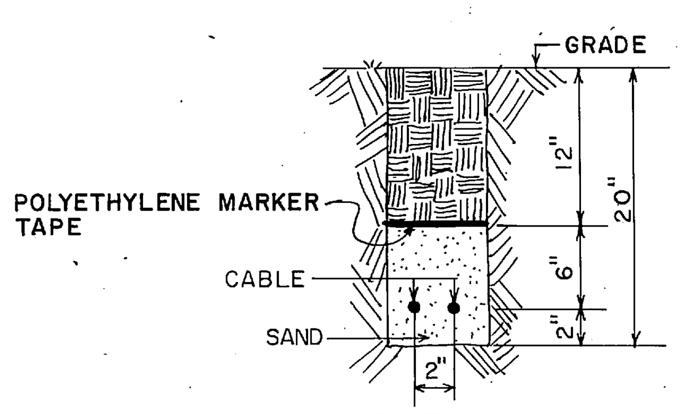
REV. 12-9-71: THIS SHT. ADDED TO PROJ. I-40-5(31)267. NOTE ADDED REGARDING LIGHTING. (SHT. 4g)

FED. ROAD DIST. NO.	T E N N	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
3		1967	13	71
FED. AID PROJ. NO.		LSI-40-5(5)268		
STATE PROJ. NO.		80001-3123-94		

NOTE:
#1. HAND DRYER: ELECTRIC-AIRE "MODEL-C", SURFACE MTD., 42" UP TO BOTTOM, 120 VOLTS, SINGLE PHASE. EQUAL DRYER BY BOBRICK, WORLD DRYER CORP., OR EQUAL, WILL BE ACCEPTABLE.



BUILDING ELECTRICAL PLAN
SCALE: 1/4" = 1'-0"

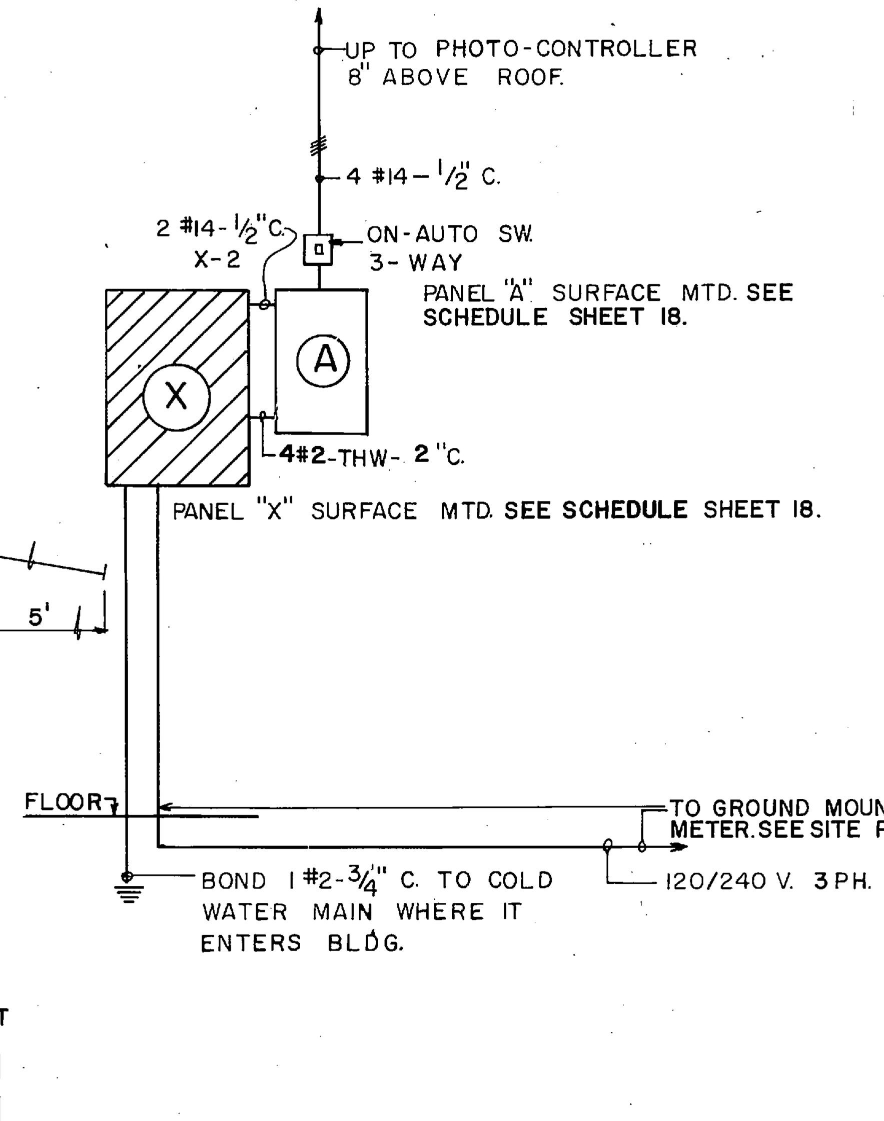


SECTION
CABLE TRENCH
N.T.S.

ELECTRIC HEATER SCHEDULE

TYPE	DESCRIPTION
HA	ELECTROMODE 5000W, 240V., 1PH. SUSPENSION HEATER. MODEL BN-50, CAT. NO. 3259. PROVIDE #3331 HANGING BRACKET & #7165B, 240V., 5KW, 2P. THERMOSTAT.
HB	CEIL-HEAT, INC. SERIES 30, 750W. BASEBOARD HEATER #21CHB08P (240 VOLTS)
HC	CEIL-HEAT, INC. SERIES 20, 800W. BASEBOARD HEATER #22CHB08P (240 VOLTS)
HF	ELECTROMODE 3000W. SUSPENSION HEATER. MODEL AN-30A, CAT. NO. 3257-M WITH BUILT-IN THERMOSTAT PROVIDE #3330 HANGING BRACKET.

NOTE: PROVIDE TWO CEIL-HEAT, INC. TYPE "TPD", 22A, LINE VOLTAGE, D.P. THERMOSTATS FOR BASEBOARD HEATERS (SEE PLAN FOR THERMOSTAT LOCATIONS.) EQUAL HEATERS BY CHROMALOX, TEMCO, OR EQUAL, WILL BE ACCEPTABLE.



RISER DIAGRAM
N.T.S.

LIGHTING FIXTURE SCHEDULE

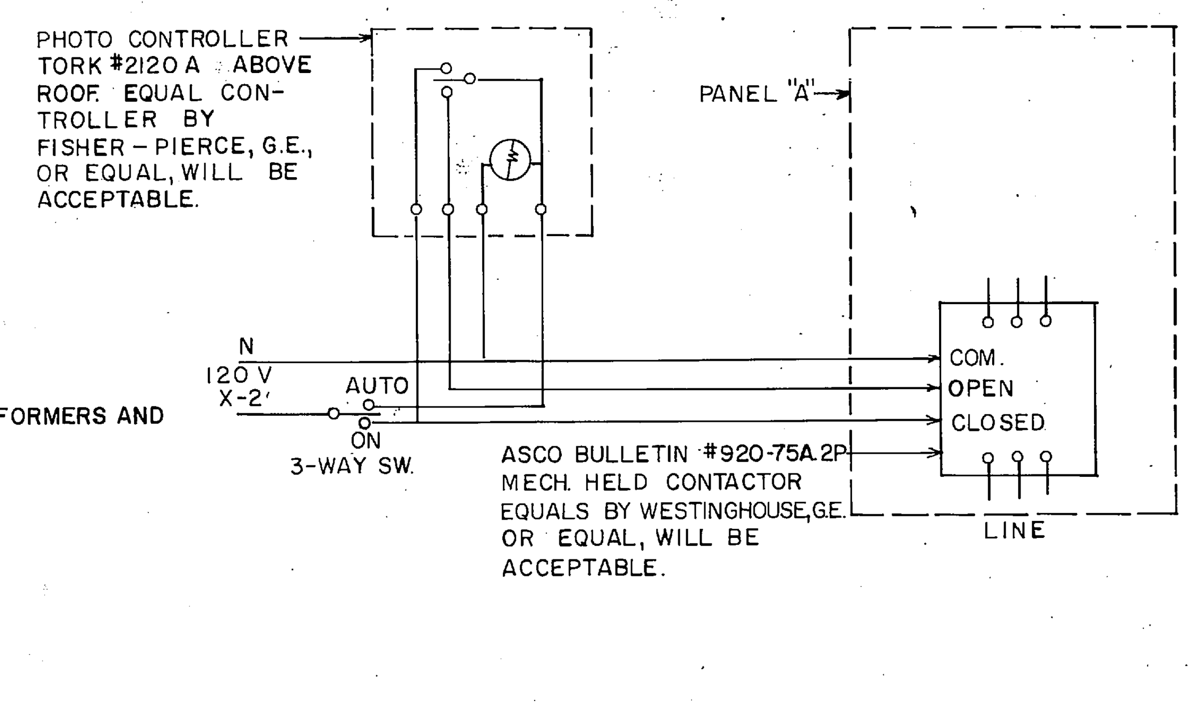
TYPE	DESCRIPTION	LAMP	MOUNTING
A	* DAYBRITE FAIRVIEW II #A47237 SERIES ACRYLIC LENS	2F40CW	TWIN STEM OR "A-J" SINGLE STEM ADJ. HANGERS AS REQUIRED
BB	* DAYBRITE UTILITY UNIT #5240W	2F40CW	BRACKET OVER MIRROR
C	* MILLER RLM DOME REFLECTOR #AE-3041	150W	SELF-ALIGN CONDUIT, 8'-0" UP
D	* PRESCOLITE CEILING UNIT #CFX-10	100W	CEILING
E	* PATHWAY LIGHTING FIXTURE: SYLVANIA #PT-75-104 POST-TOP, 240 VOLT, MERCURY, SLIP-FITTER FOR 2" IPS. POST: SYLVANIA #SY107A	75W MERCURY H43AZ	SEE DETAIL
F OR FA	* PARKING AREA LIGHTING STD: IES TYPE II, MEDIUM CUTOFF, BUILT-IN BALLAST WESTINGHOUSE TYPE OV-25 #656 A302 G11	400W MERCURY H33-1-GL/C	POLE & CONC. BASE SEE DETAIL
G	* MERCURY UNIT WITH BUILT-IN BALLAST, WITH GUARD, CROUSE-HINDS #VMV-275-GP	75W. MERC #H43 AY/C	CPS SERIES CONDULET & #CPS022 HUB, COVER & 3/4" NIPPLE
H	* SAME AS FIXTURE TYPE "E" EXCEPT WITH PHOTO CELL, SYLVANIA #PT-75-103	75W. MERC. H43AZ	SEE FIXT. "E" DETAIL
I OR IA	* ROADWAY LIGHTING STD. IES TYPE II, MED., SEMI CUTOFF BUILT-IN REGULATOR BALLAST WESTINGHOUSE # 890D176G19.	250 W. MERCURY H-37-5KB	POLE AND CONC. BASE SEE DETAIL
J	* PRISMATIC UNDERPASS UNIT FOR 4" POLE TOP MOUNTING HOLOPHANE # U-598-240V.	DO	3½" GALV. C. POLE ON RET. WALL. SEE DETAIL

*NOTE: EQUALS BY REVERE, G.E., MILLER, BENJAMIN, ART METAL, MC PHILBEN, OR EQUAL, WILL BE ACCEPTABLE.

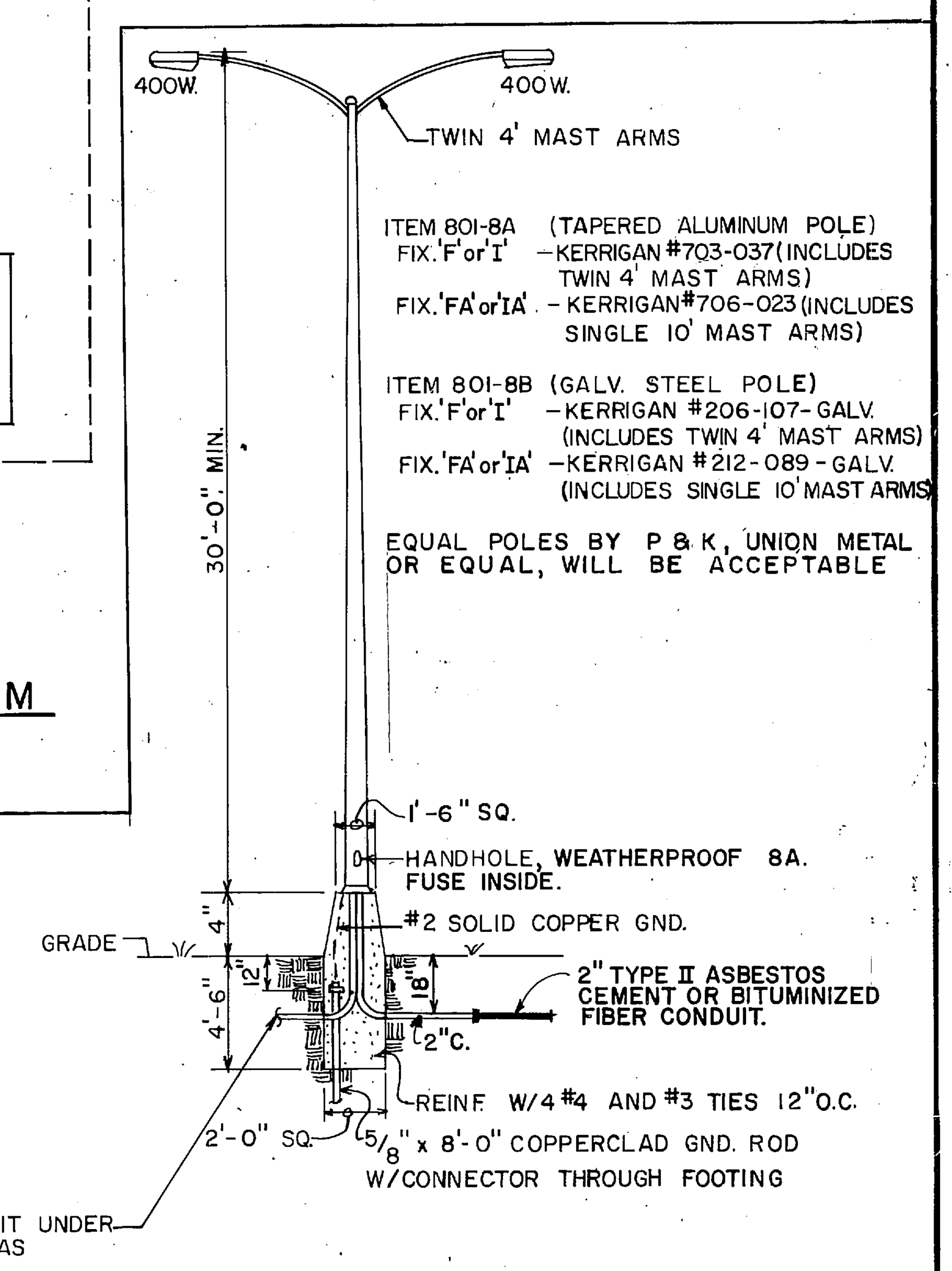
ELECTRICAL LEGEND

SYMBOL	DESCRIPTION
(J)	JUNCTION BOX, BLANK COVER
	DUPLEX CONVENIENCE GROUNDING RECEPTACLE, 12" UP
	DUPLEX CONVENIENCE GROUNDING RECEPTACLE, 42" UP
▼	TELEPHONE OUTLET, 48" UP
S	SINGLE POLE SWITCH
S_3	THREE WAY SWITCH
	ELECTRIC HEATER
	LIGHTING PANELBOARD
	POWER OR DISTRIBUTION PANELBOARD
(5)	MOTOR, HORSEPOWER INDICATED
⊠	MOTOR CONTROLLER
	CIRCUIT TURNING UP
	CIRCUIT TURNING DOWN
	CIRCUIT CONCEALED IN OR UNDER FLOOR OR UNDERGROUND
----	CIRCUIT EXPOSED
	DIRECT BURIED CABLE
	20A., 240V., 3P., 2W., RECEPT
	MOTOR CONTROLLER, BY MECHANICAL CONTRACTOR
(T)	THERMOSTAT, 5'-6" UP
○	CEILING OUTLET FOR LIGHTING FIXTURES
	WALL OUTLET FOR BRACKET LIGHT
⊗	PATHWAY LIGHTING FIXTURE
	PARKING AREA LIGHTING STANDARD (TWIN MAST ARM)
	PARKING AREA LIGHTING STANDARD (SINGLE MAST ARM)

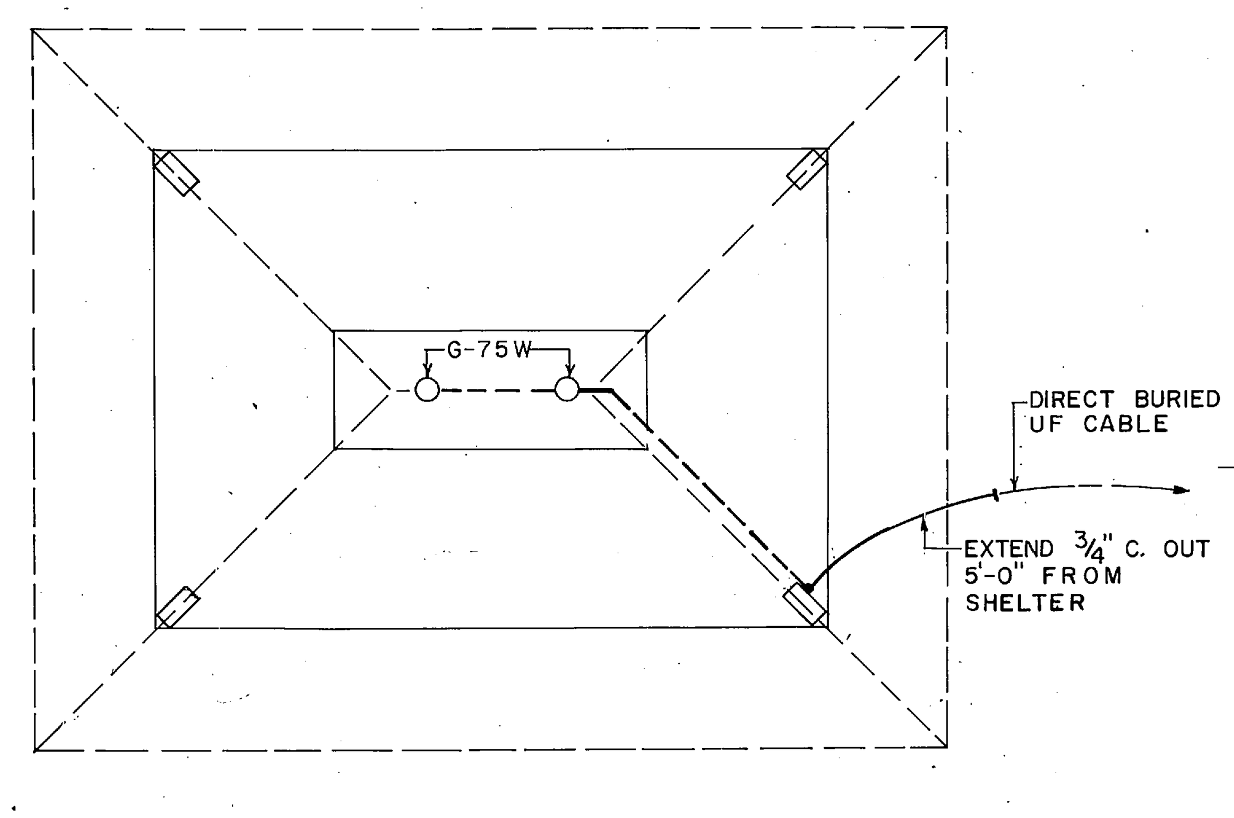
NOTE: ALL LIGHTING OTHER THAN OUTDOOR AREA LIGHTING TO BE CONSTRUCTED UNDER PROJ. I-40-5(31)267.



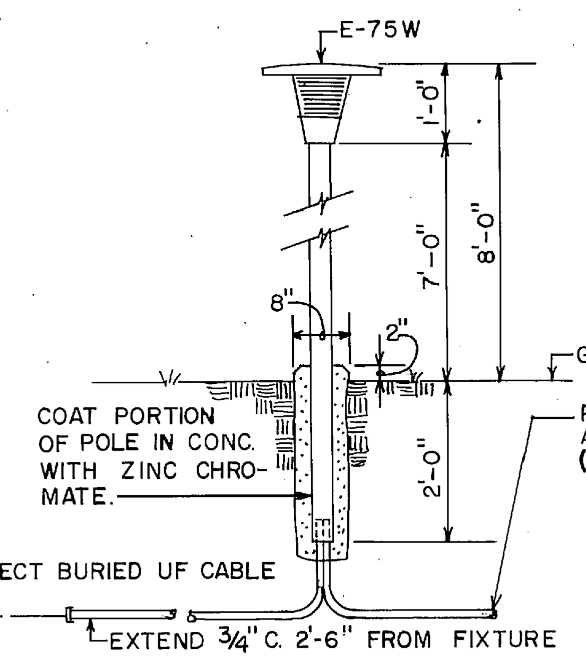
PANEL "A" CONTROL DIAGRAM
N.T.S.



FIXTURE "F" DETAIL
N.T.S.
(FIXTURE "FA" SIMILAR, EXCEPT AS NOTED)



PICNIC SHELTER - ELECTRICAL PLAN
N.T.S.



FIXTURE "E" DETAIL
N.T.S.

17W
INTERSTATE REST AREA BUILDING
SIZE A-3
ELECTRICAL
REST AREA
I-40 SMITH COUNTY
TENNESSEE DEPT. OF HIGHWAYS

FED. ROAD DIST. NO.	TENN	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
3		1967	14	71
FED. AID PROJ. NO.		LSI-40-5(5)268		
STATE PROJ. NO.		80001-3123-94		

FED. ROAD DIST. NO.	TENN.	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
3		I-40-5(31) 267	19..	4h	

REV. 12-9-71: THIS SHEET ADDED TO PROJ. I-40-5(31)267. NOTE ADDED BOTTOM RIGHT. (SHT. 4h)

NOTES:

1. BRANCH CIRCUITS ALL 12/2 W/GND. TYPE UF UNLESS OTHERWISE NOTED. PROVIDE 3/4" RIGID PVC CONDUIT WHERE CIRCUIT PASSES UNDER PAVMTS. EXTENDING 5'-0" BEYOND ON BOTH SIDES. USE 3/4" RIGID GALV. CONDUIT IN BLDG. WITH CONDUIT EXTENDING 5'-0" BEYOND BLDG. WALL.
2. SAME AS NOTE 1 EXCEPT USE 3 1/2"C. FOR PRIMARY SERVICE CABLE AND 2"C. FOR TELEPHONE SERVICE CABLE. 2" ASBESTOS CEMENT OR BITUMINIZED FIBER CONDUIT SHALL BE USED FOR LIGHTING STANDARDS; CHANGE THIS TO RIGID PVC OR RIGID GALV. STEEL UNDER PAVEMENTS, 5'-0" BEYOND BOTH SIDES; USE RIGID GALV. STEEL IN BLDG. AND EXTENDING 5'-0" BEYOND WALLS.
3. LEAVE 20' OF EACH PRIMARY CABLE ABOVE PAD FOR CONNECTION BY POWER CO.
4. TEL. CO. SERVICE ENTRANCE CABLE, MIN. 24" BELOW GRADE. SEPARATE FROM POWER CIRCUITS 12" MIN.

SEE SHEET 18 FOR PANEL "A" & "X" SCHEDULES

NOTE: ALL ELECT. SERVICE THIS SHT. CONSTRUCTED UNDER PROJ. LSI-40-5(5)268 EXCEPT ENTRANCE TO BUILDING.

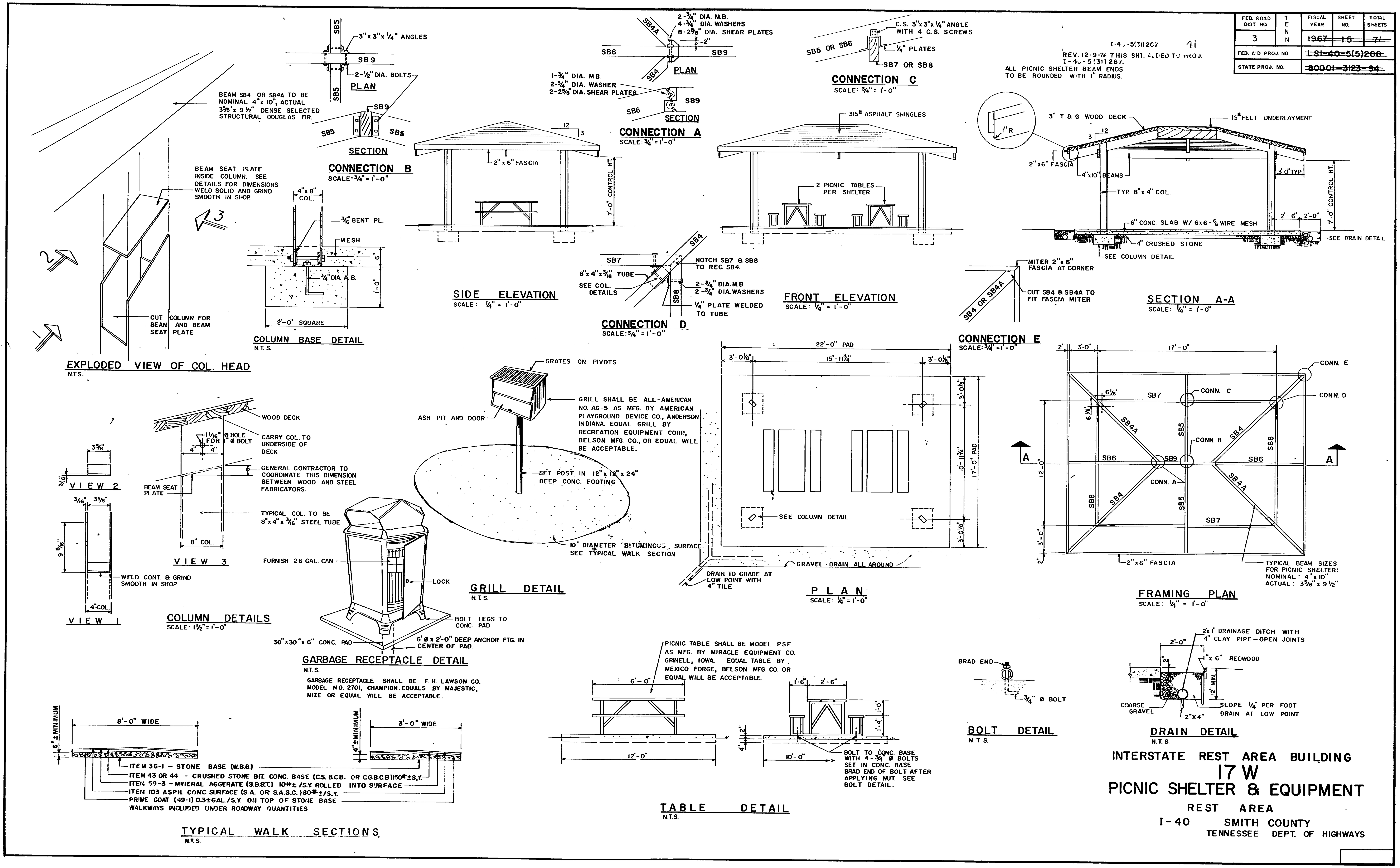
17W

ELECT. SITE PLAN

REST AREA

I-40 SMITH COUNTY

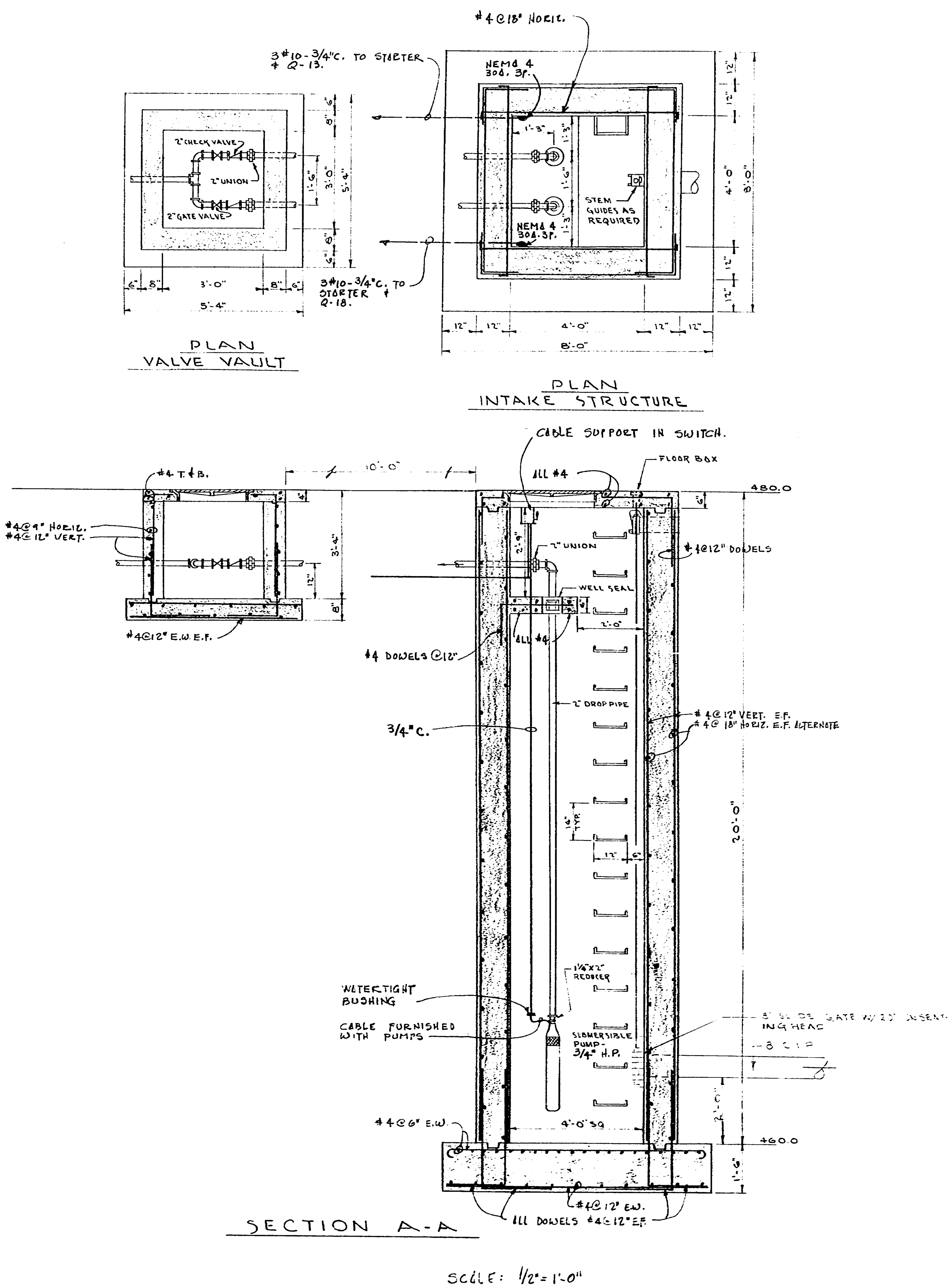
TENNESSEE

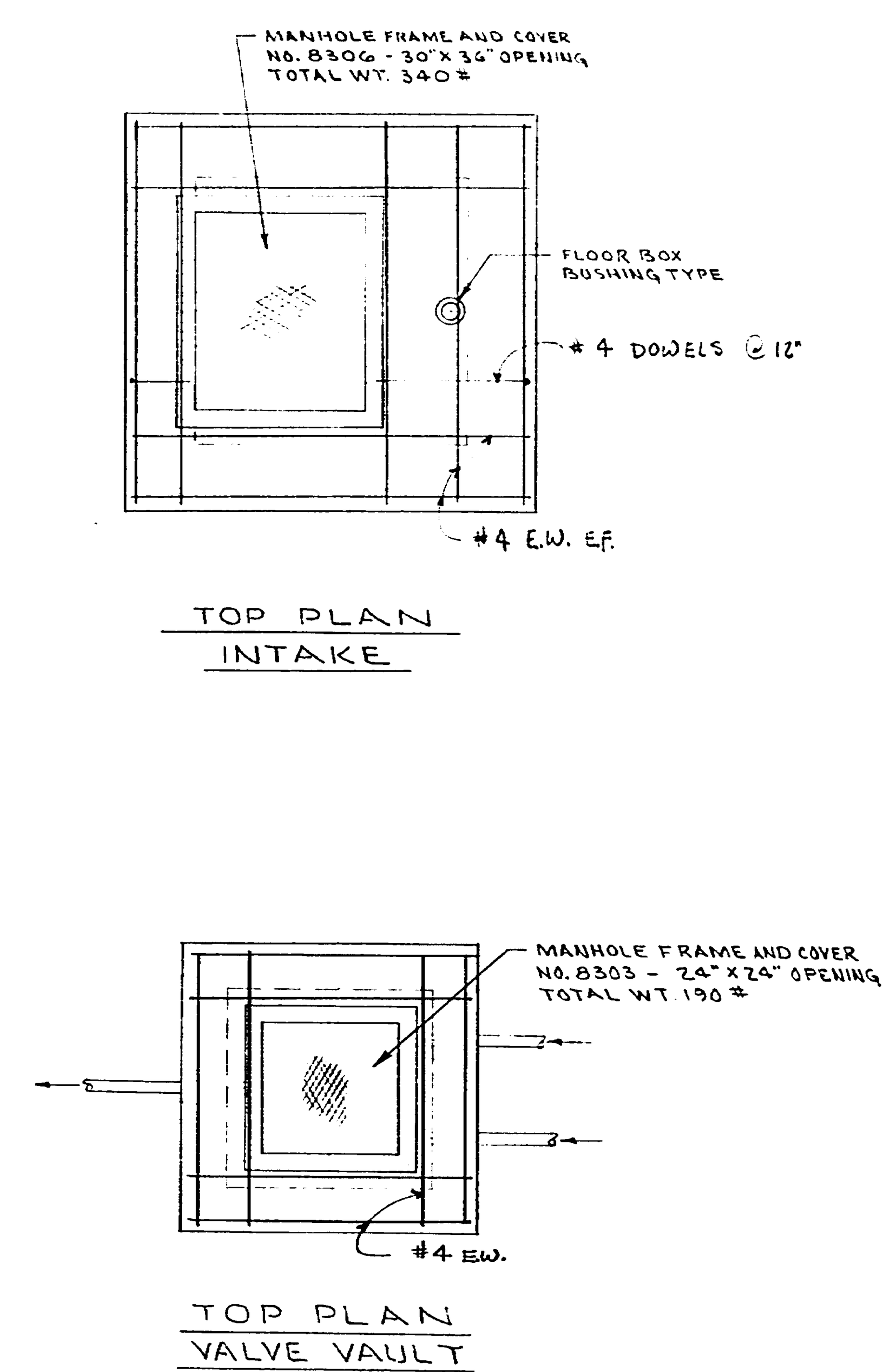

FED. ROAD DIST. NO. 3
TENN
FISCAL YEAR 1967
SHEET NO. 15
TOTAL SHEETS 71
FED. AID PROJ. NO. I-SI-40-5(5)268
STATE PROJ. NO. 80001-3123-94
I-40-5(31)267 41
REV. 12-9-71 THIS SHT. ADDED TO PROJ. I-40-5(31)267.
ALL PICNIC SHELTER BEAM ENDS TO BE ROUNDED WITH 1" RADIUS.
BEAM SB4 OR SB4A TO BE NOMINAL 4"x 10", ACTUAL 3⅝"x 9½" DENSE SELECTED STRUCTURAL DOUGLAS FIR.
BEAM SEAT PLATE INSIDE COLUMN. SEE DETAILS FOR DIMENSIONS. WELD SOLID AND GRIND SMOOTH IN SHOP.
CUT COLUMN FOR BEAM AND BEAM SEAT PLATE
EXPLODED VIEW OF COL. HEAD
N.T.S.
3"x 3"x ¼" ANGLES
SB9
2-½" DIA. BOLTS
PLAN
SB5
SECTION
CONNECTION B
SCALE: ¾" = 1'-0"
4"x 8" COL.
3/16" BENT PL.
MESH
¾" DIA. A.B.
2'-0" SQUARE
COLUMN BASE DETAIL
N.T.S.
12
3
2"x 6" FASCIA
7'-0" CONTROL HT.
SIDE ELEVATION
SCALE: ¼" = 1'-0"
2-¾" DIA. M.B.
4-¾" DIA. WASHERS
8-2⅝" DIA. SHEAR PLATES
SB4A
SB6
SB9
PLAN
1-¾" DIA. M.B.
2-¾" DIA. WASHER
2-2⅝" DIA. SHEAR PLATES
SB4
SECTION
CONNECTION A
SCALE: ¾" = 1'-0"
SB7
8"x 4"x 3/16" TUBE
SEE COL. DETAILS
NOTCH SB7 & SB8 TO REC. SB4.
2-¾" DIA. M.B
2-¾" DIA. WASHERS
¼" PLATE WELDED TO TUBE
SB8
CONNECTION D
SCALE: ¾" = 1'-0"
C.S. 3"x 3"x ¼" ANGLE WITH 4 C.S. SCREWS
SB5 OR SB6
¼" PLATES
SB7 OR SB8
CONNECTION C
SCALE: ¾" = 1'-0"
315# ASPHALT SHINGLES
2 PICNIC TABLES PER SHELTER
FRONT ELEVATION
SCALE: ¼" = 1'-0"
1" R
3" T & G WOOD DECK
15# FELT UNDERLAYMENT
2"x6" FASCIA
4"x10" BEAMS
TYP. 8"x 4" COL.
3'-0" TYP.
6" CONC. SLAB W/ 6x6-6/6 WIRE MESH
4" CRUSHED STONE
SEE COLUMN DETAIL
SEE DRAIN DETAIL
SECTION A-A
SCALE: ¼" = 1'-0"
MITER 2"x 6" FASCIA AT CORNER
CUT SB4 & SB4A TO FIT FASCIA MITER
SB4 OR SB4A
CONNECTION E
SCALE: ¾" = 1'-0"
WOOD DECK
11/16" Ø HOLE FOR ⅝" Ø BOLT
CARRY COL. TO UNDERSIDE OF DECK
GENERAL CONTRACTOR TO COORDINATE THIS DIMENSION BETWEEN WOOD AND STEEL FABRICATORS.
BEAM SEAT PLATE
TYPICAL COL. TO BE 8"x 4"x 3/16" STEEL TUBE
8" COL.
VIEW 2
VIEW 3
VIEW 1
WELD CONT. & GRIND SMOOTH IN SHOP
4" COL.
COLUMN DETAILS
SCALE: 1½" = 1'-0"
GRATES ON PIVOTS
ASH PIT AND DOOR
GRILL SHALL BE ALL-AMERICAN NO. AG-5 AS MFG. BY AMERICAN PLAYGROUND DEVICE CO., ANDERSON INDIANA. EQUAL GRILL BY RECREATION EQUIPMENT CORP., BELSON MFG. CO., OR EQUAL WILL BE ACCEPTABLE.
SET POST IN 12"x 12"x 24" DEEP CONC. FOOTING
10' DIAMETER BITUMINOUS SURFACE SEE TYPICAL WALK SECTION
GRILL DETAIL
N.T.S.
FURNISH 26 GAL. CAN
LOCK
BOLT LEGS TO CONC. PAD
6" Ø x 2'-0" DEEP ANCHOR FTG. IN CENTER OF PAD.
30"x 30"x 6" CONC. PAD
GARBAGE RECEPTACLE DETAIL
N.T.S.
GARBAGE RECEPTACLE SHALL BE F. H. LAWSON CO. MODEL NO. 2701, CHAMPION. EQUALS BY MAJESTIC, MIZE OR EQUAL WILL BE ACCEPTABLE.
22'-0" PAD
3'-0⅛"
15'-11¾"
17'-0" PAD
SEE COLUMN DETAIL
GRAVEL DRAIN ALL AROUND
DRAIN TO GRADE AT LOW POINT WITH 4" TILE
PLAN
SCALE: ¼" = 1'-0"
CONN. E
CONN. D
CONN. C
CONN. B
CONN. A
SB7
SB4A
SB5
SB4
SB8
SB6
SB9
A
17'-0"
12'-0"
2"x6" FASCIA
TYPICAL BEAM SIZES FOR PICNIC SHELTER: NOMINAL: 4"x 10" ACTUAL: 3⅝"x 9½"
FRAMING PLAN
SCALE: ¼" = 1'-0"
PICNIC TABLE SHALL BE MODEL PSF AS MFG. BY MIRACLE EQUIPMENT CO. GRINNELL, IOWA. EQUAL TABLE BY MEXICO FORGE, BELSON MFG. CO. OR EQUAL WILL BE ACCEPTABLE.
6'-0"
12'-0"
10'-0"
BOLT TO CONC. BASE WITH 4-¾" Ø BOLTS SET IN CONC. BASE BRAD END OF BOLT AFTER APPLYING NUT. SEE BOLT DETAIL.
TABLE DETAIL
N.T.S.
BRAD END
¾" Ø BOLT
BOLT DETAIL
N.T.S.
2'x 1' DRAINAGE DITCH WITH 4" CLAY PIPE-OPEN JOINTS
1"x 6" REDWOOD
COARSE GRAVEL
SLOPE ¼" PER FOOT DRAIN AT LOW POINT
2"x 4"
12" MIN.
DRAIN DETAIL
N.T.S.
8'-0" WIDE
3'-0" WIDE
6"± MINIMUM
4"± MINIMUM
ITEM 36-1 - STONE BASE (W.B.B.)
ITEM 43 OR 44 - CRUSHED STONE BIT. CONC. BASE (C.S.B.C.B. OR C.G.B.C.B.) 150#±S.Y.
ITEM 59-3 - MINERAL AGGERATE (S.B.S.T.) 10#± /S.Y. ROLLED INTO SURFACE
ITEM 103 ASPH. CONC. SURFACE (S.A. OR S.A.S.C.) 80#±/S.Y.
PRIME COAT (49-1) 0.3±GAL./S.Y. ON TOP OF STONE BASE
WALKWAYS INCLUDED UNDER ROADWAY QUANTITIES
TYPICAL WALK SECTIONS
N.T.S.
INTERSTATE REST AREA BUILDING
17 W
PICNIC SHELTER & EQUIPMENT
REST AREA
I-40 SMITH COUNTY
TENNESSEE DEPT. OF HIGHWAYS

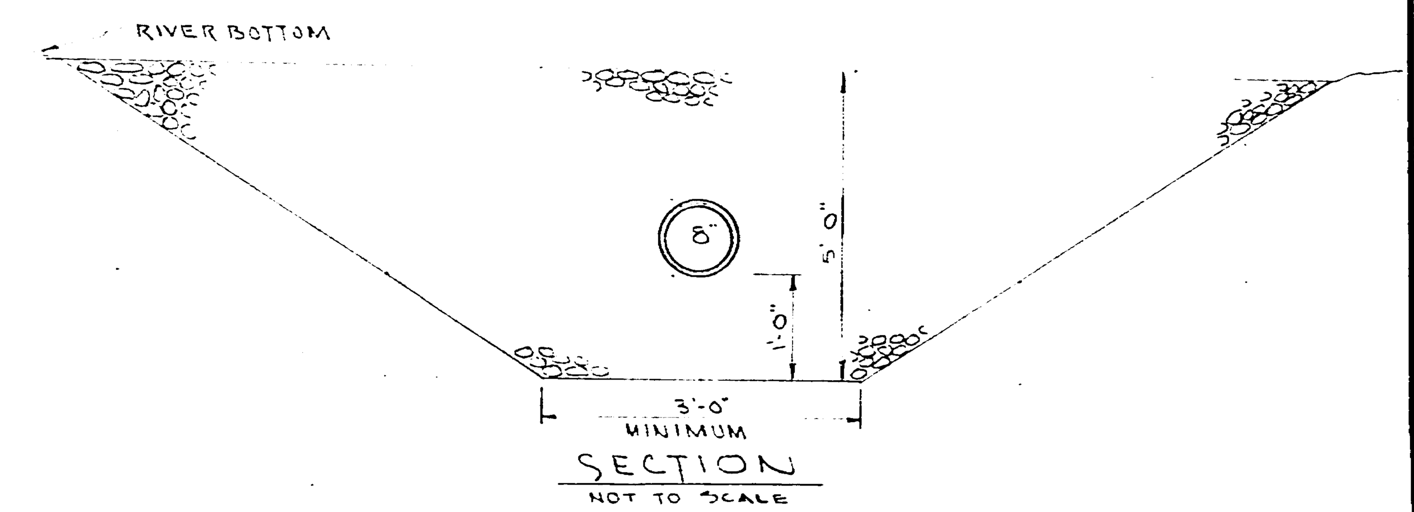
FED. ROAD DIST. NO.	TENN	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
3		~~1967~~	~~16~~	~~71~~
FED. AID PROJ. NO.		~~LSI-40-5(5)268~~		
STATE PROJ. NO.		~~80001-3123-94~~		

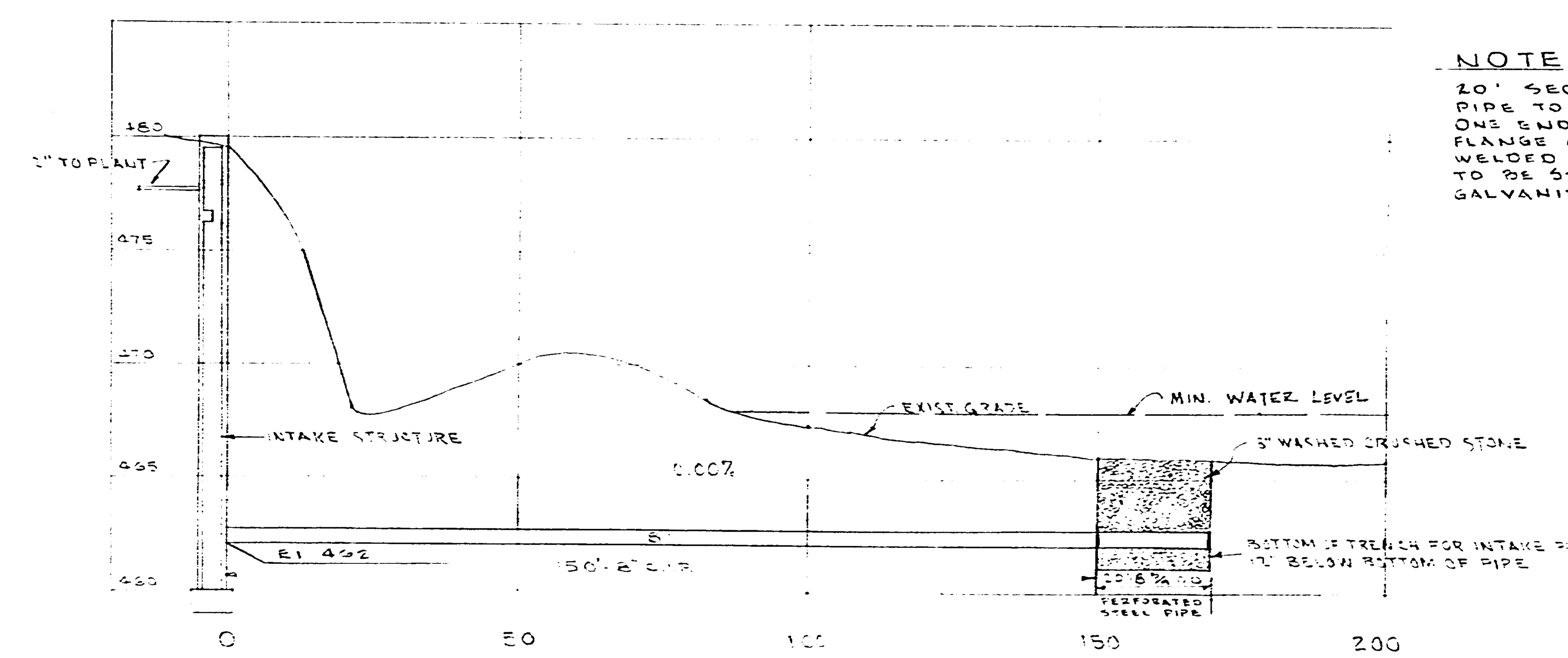
FED. ROAD DIST. NO.			SHEET NO.	TOTAL SHEETS
3		I-40-5(31)267	4j	

REV. 12-9-71: THIS SHT. ADDED TO PROJ. I-40-5(31)267.









NOTE:
20' SECTION OF INTAKE PIPE TO HAVE 10% PERFORATION. ONE END TO HAVE WELDED STEEL FLANGE AND OTHER TO HAVE WELDED STEEL CAP. ASSEMBLY TO BE STEEL AND HOT DIPPED GALVANIZED AFTER FABRICATION.

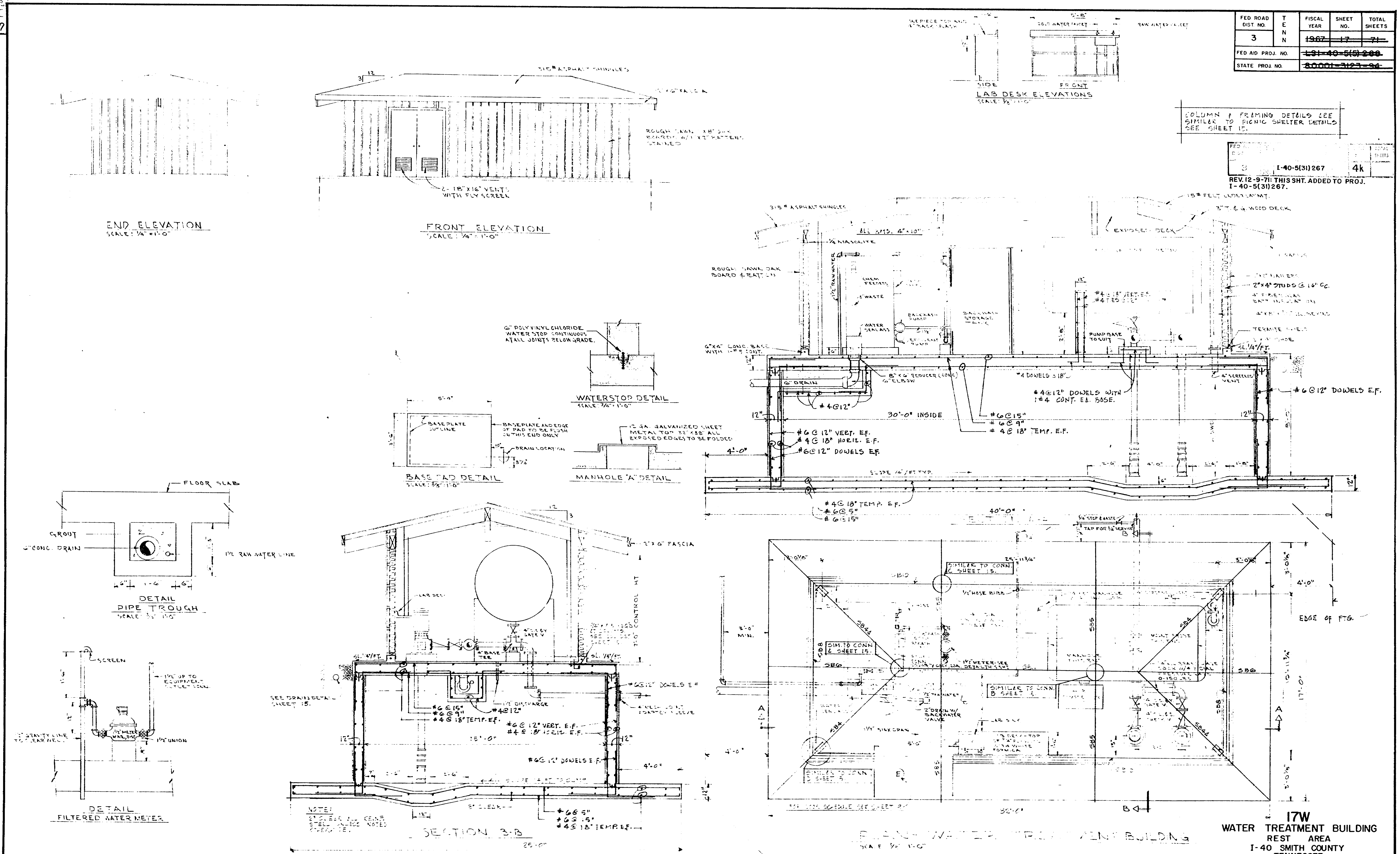
$f'c$ 4000 PSI
f_y 60,000 PSI

17W
RAW WATER INTAKE
REST AREA
I-40 SMITH COUNTY
TENNESSEE

FED ROAD DIST. NO.	T E N N	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
3		~~1967~~	~~17~~	~~71~~
FED AID PROJ. NO.		~~LSI-40-5(5)288~~		
STATE PROJ. NO.		~~80001-3127-94~~		

3		I-40-5(31)267		4k

REV. 12-9-71: THIS SHT. ADDED TO PROJ. I-40-5(31)267.



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

TENN. STATE HIGHWAYS
Plans IN
Dwn. No 197

FED ROAD DIST. NO.	TENN	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
3		~~1967~~	~~18~~	~~71~~
FED. AID PROJ NO.		~~LS1-40-5(5)288~~		
STATE PROJ. NO.		~~80001-3123-94~~		

FED. ROAD DIST. NO.	TENN.	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO	TOTAL SHEETS
3		I-40-5(31)267		41	

REV. 12-9-71: THIS SHT. ADDED TO PROJ. I-40-5(31)267.

PANEL "A" SCHEDULE

VA	SERVING	TRIP			TRIP	SERVING	VA	PHASE LOADING AB	AC	BC
1200	PORCH LIGHT	20/1	1	2	20/1	SPARE			1200	
1120	PATHWAY & SHELTER LTS 7@ 160W.	20/2	3	4	20/2	PATHWAY & SHELTER LTS. 9 @ 160 W.	1440			2560
1120	DO 7@ 160W.	20/2	5	6	20/2	WEST BOUND PARKING 6@ 450 W.	3150	4270		
2250	EAST BOUND PARKING 5@ 450 W.	20/2	7	8	20/2	WEST BOUND RAMP 4@ 450W.	1800		4050	
1800	EAST BOUND RAMP 4@ 450 W.	20/2	9	11	20/2	EAST BOUND APROCH 3@ 450W & 4@ 300W.	2550			4350
7200	EAST BOUND ROADWAY 24@ 300W.	30/3	11		/3	SPARE		2400	2400	2400
	100 A. 3P. MECH. HELD CONTACTOR		A B C							
13,490						TOTALS 22.43 KVA	8940	6670	6450	9310

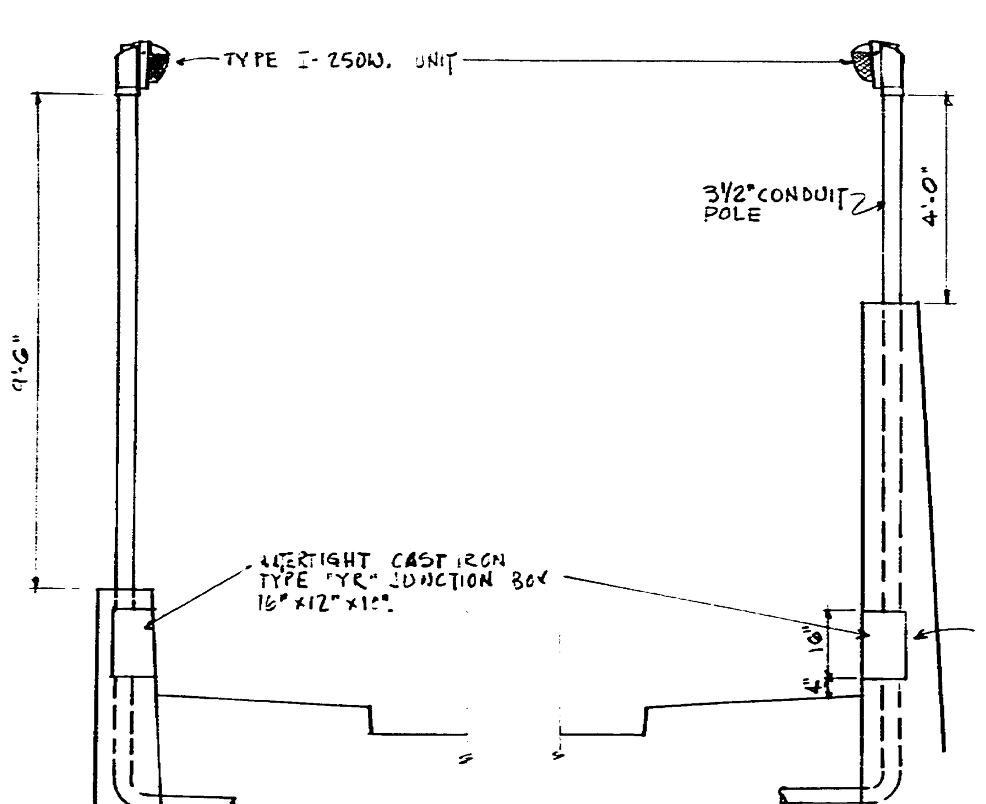
PANEL "X" SCHEDULE

VA.	SERVING	TRIP	N 400/3 ABC		TRIP	SERVING	VA	PHASE LOADING AB	AC	BC
600	TOILET LTG.	20/1	1	2	15/1	PHOTO-CONTROLLER	150		750	
600	TOILET LTG.	20/1	3	4	20/1	MAINT. RECPT.	400		1000	
300	MAINT. LTG.	20/1	5	6	20/1	MAINT. RECPT.	400		700	
400	OFFICE LTG.	20/1	7	8	20/1	OFFICE RECPT.	300		700	
	SPARE	20/1	9	10	20/1	EWC	530		530	
	SPARE	20/1	11	12	20/1	EXH. FAN	530		530	
	SPARE	20/1	13	14	20/1	HAND DRYER	1898		1898	
1898	HAND DRYER	20/1	15	16	20/1	SPARE			1898	
22,430	PANEL "A" OUTSIDE LIGHTING	100/3	17	18	100/3	SEWAGE TREATMENT PLANT	13,774	6670 3820	6450 6134	9310 3820
5000	HEATER HA	30/2	19	20	20/2	HEATER HC & HB	1550	6550		
5000	HEATER HA	30/2	21	22	20/2	DO	1550			6550
5000	HEATER HA	30/2	23	24	20/2	HEATER HF	3000	8000		
5000	HEATER HA	30/2	25	26	30/2	EWH	3000			8000
	SPACE	100/3	27	28	150/3	WATER TREATMENT PLANT	31,390	12,680	11,030	7,680
46,228						TOTALS - 104.7 KVA	58,472	37,720	31,620	35,360

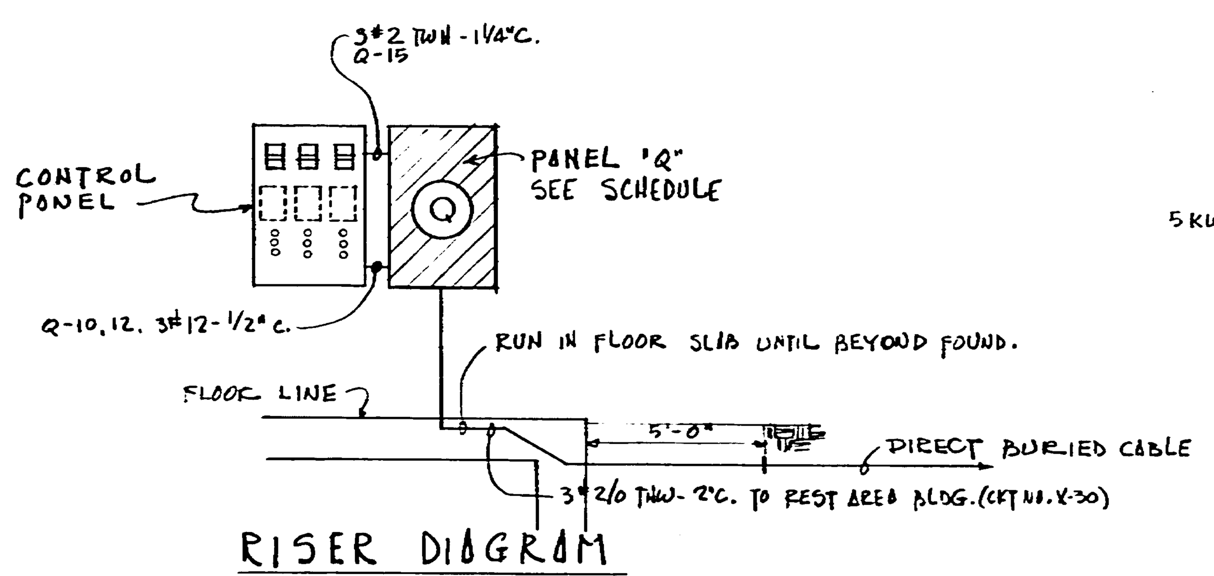
PANEL "Q" SCHEDULE

V.A.	SERVING	TRIP	N 150/3 ABC		TRIP	SERVING	V.A.	PHASE LOADING AB	AC	BC
650	LIGHTING	20/1	1	2	20/1	RECEPTACLES	400		1050	
	SPARE	20/1	3	4	20/1	LAB. RECPTS.	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	850		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 "HA"	5000	5360	360	360
				16		SPACE				
20,880	HIGH SERVICE PUMP CONTROL 2@ 10 HP	100/3	15	18	15/3	INTAKE PUMP - 3/4 HP	1080	7320	7320	7320
24,610						TOTALS: 33.39 KVA	8780	12,680	13,030	7,680

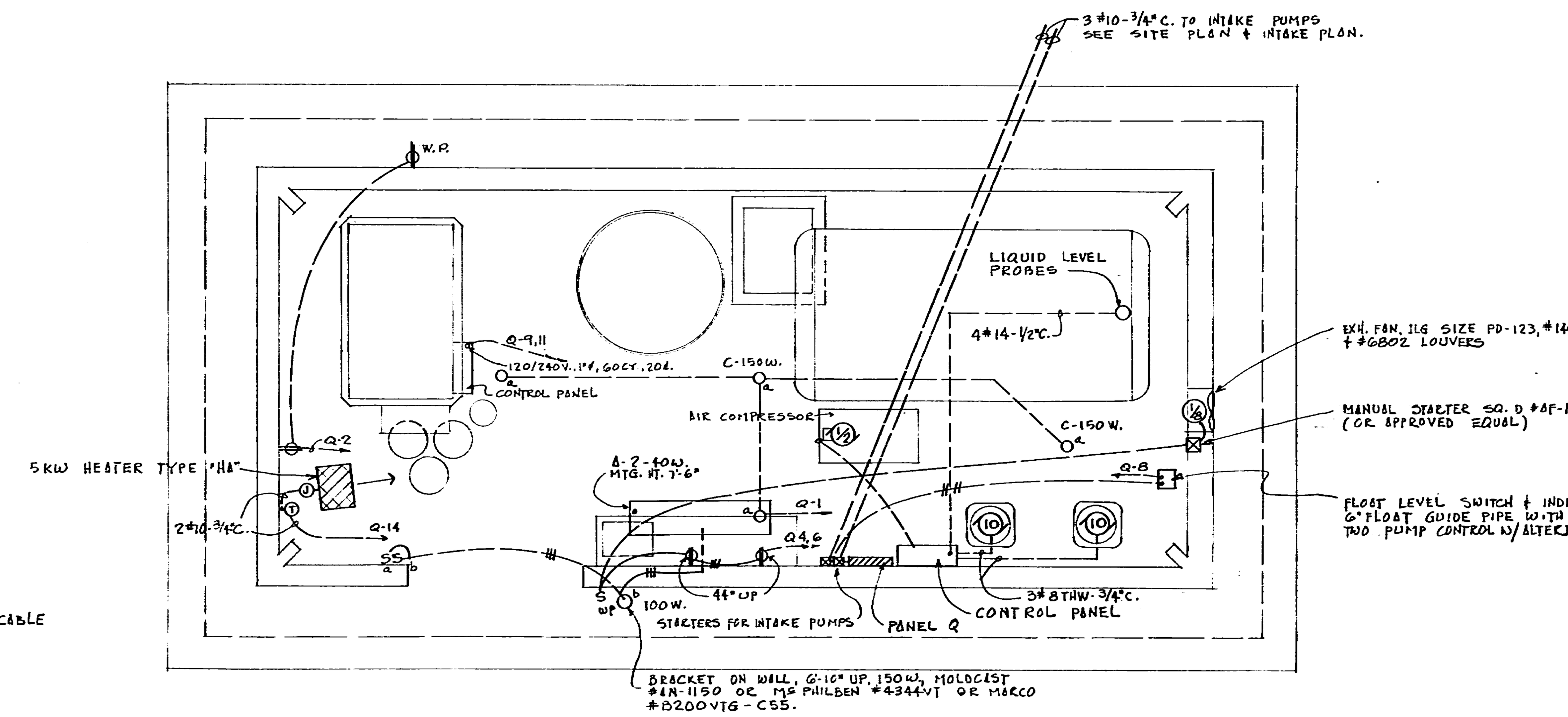
NOTE:
STARTER FOR INTAKE PUMPS: MAGNETIC FULL VOLTAGE, NEMA 1 ENCLOSURE WITH HAND-OFF-AUTO SWITCH IN COVER.



TYPE "I" MOUNTING DETAIL
SCALE: 3/8" = 1'-0"



RISER DIAGRAM
NTS



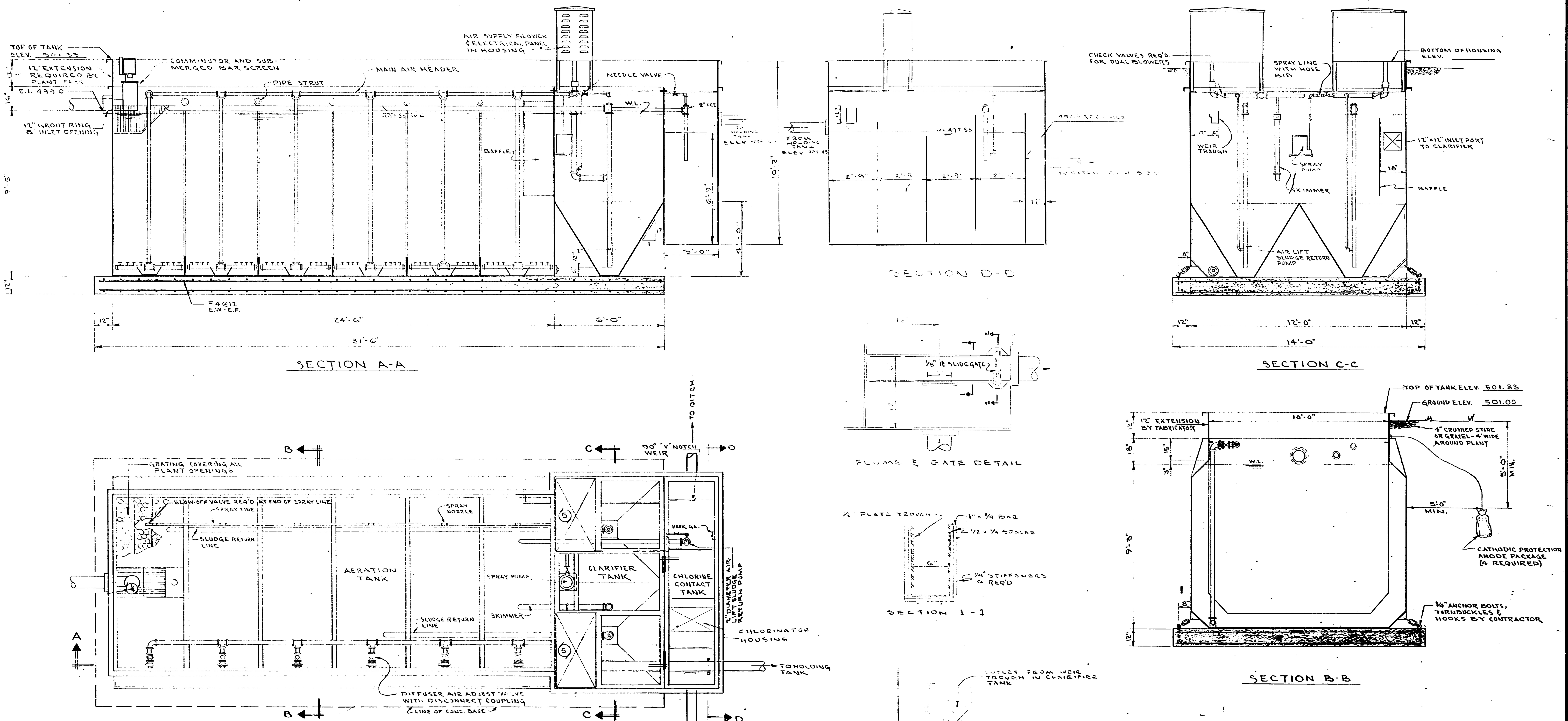
WATER TREATMENT BUILDING ELECTRICAL PLAN
SCALE: 3/8" = 1'-0"

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

FED. ROAD DIST. NO.	TENN	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
3		~~1987~~	~~19~~	~~71~~
FED. AID PROJ. NO.		~~I-40-5(5)268~~		
STATE PROJ. NO.		~~80001-3123-94~~		

I-40-5(3)267 4m

REV. 12-9-71 THIS SHT ADDED TO PROJ I-40 5(31) 267.



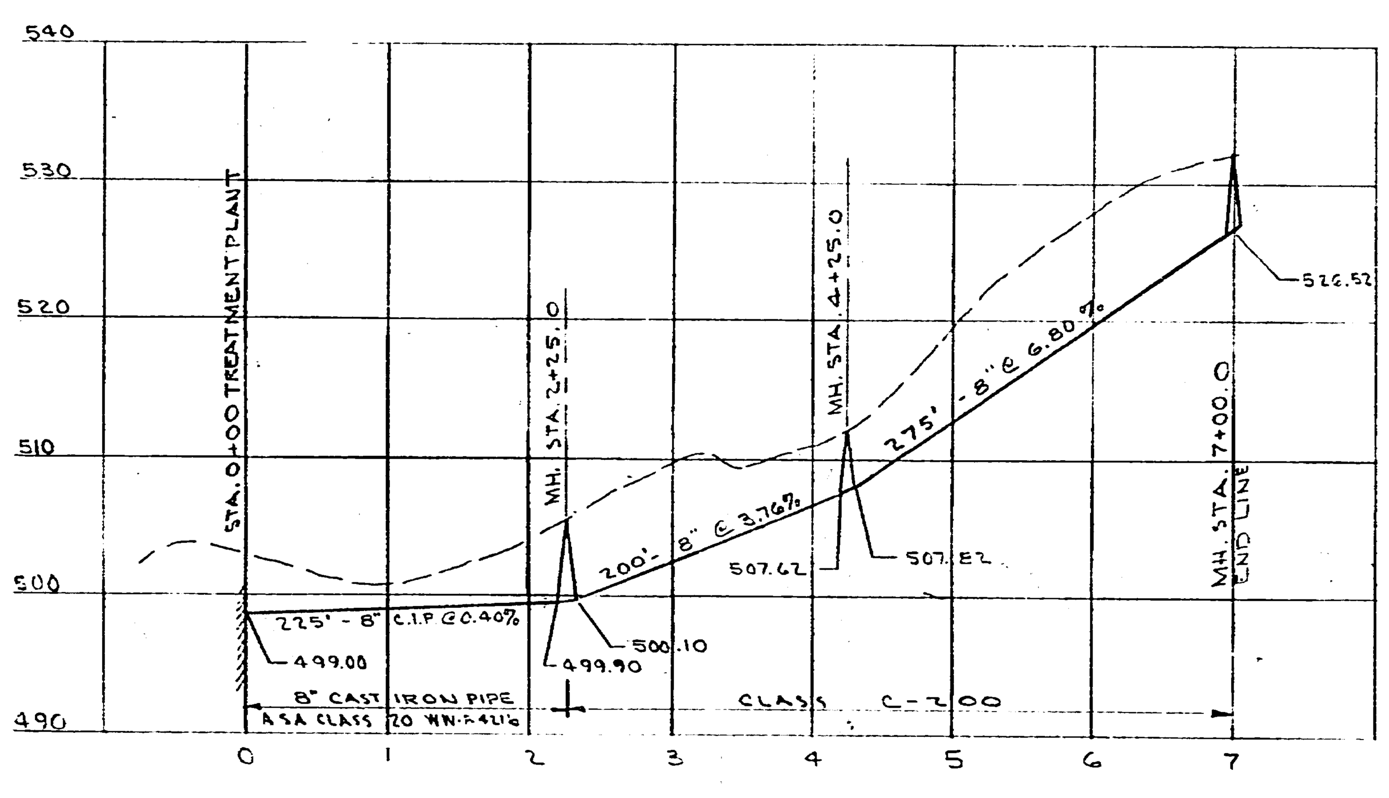
17W
SEWAGE TREATMENT PLANT
REST AREA
I-40 SMITH COUNTY
TENNESSEE

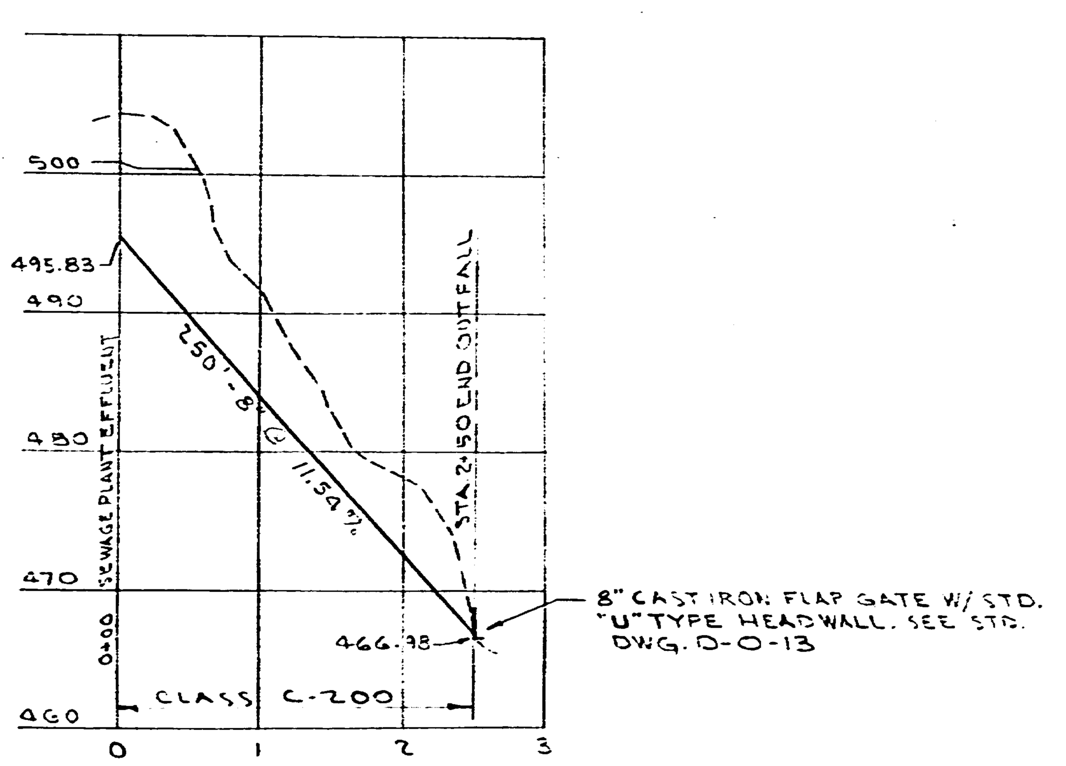
TENN. STATE HIGHWAYS
Plans
Divn. | No. 197

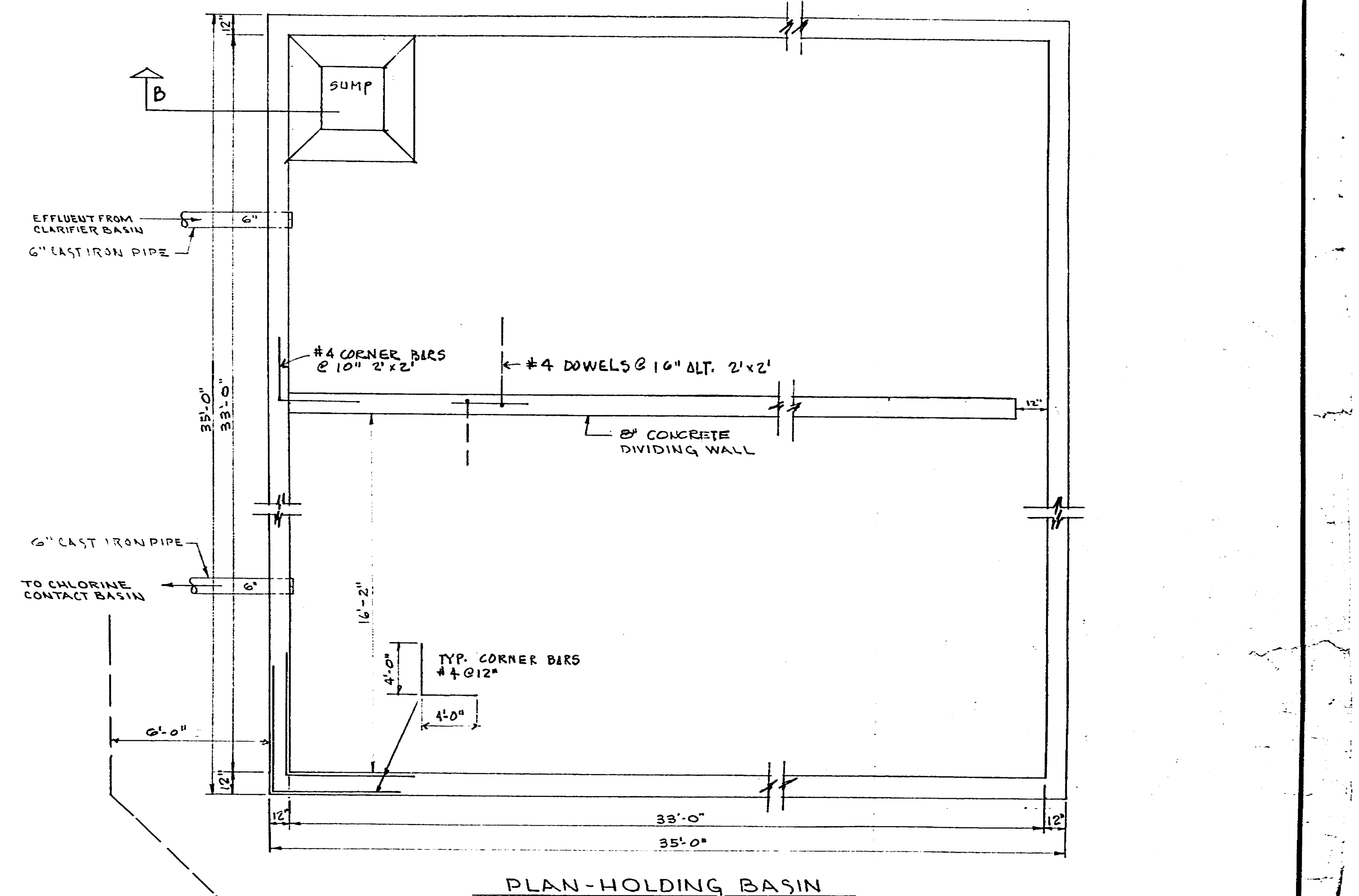
FED. ROAD DIST. NO.	TENN	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
3		~~1967~~	~~20~~	~~71~~
FED. AID PROJ. NO.		~~L31-40-5(5)268~~		
STATE PROJ. NO.		~~80001-3125-94~~		

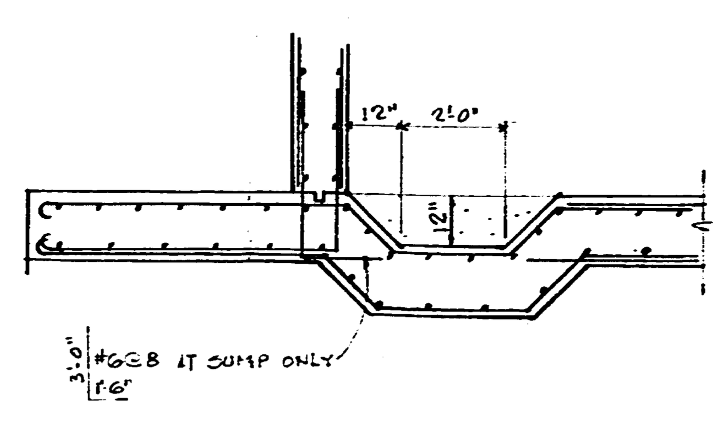
3 | I-40-5(31)267 | 4n

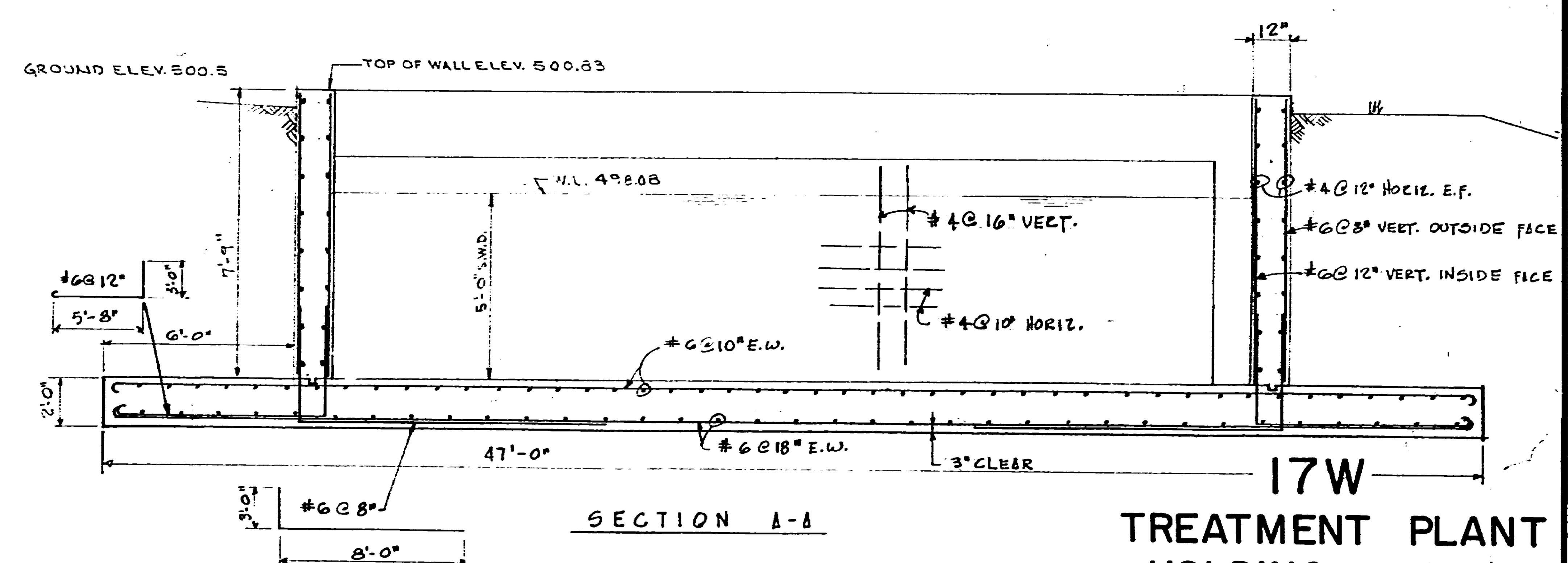
REV. 12-9-71: THIS SHT. ADDED TO PROJECT I-40-5(31) 267.











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

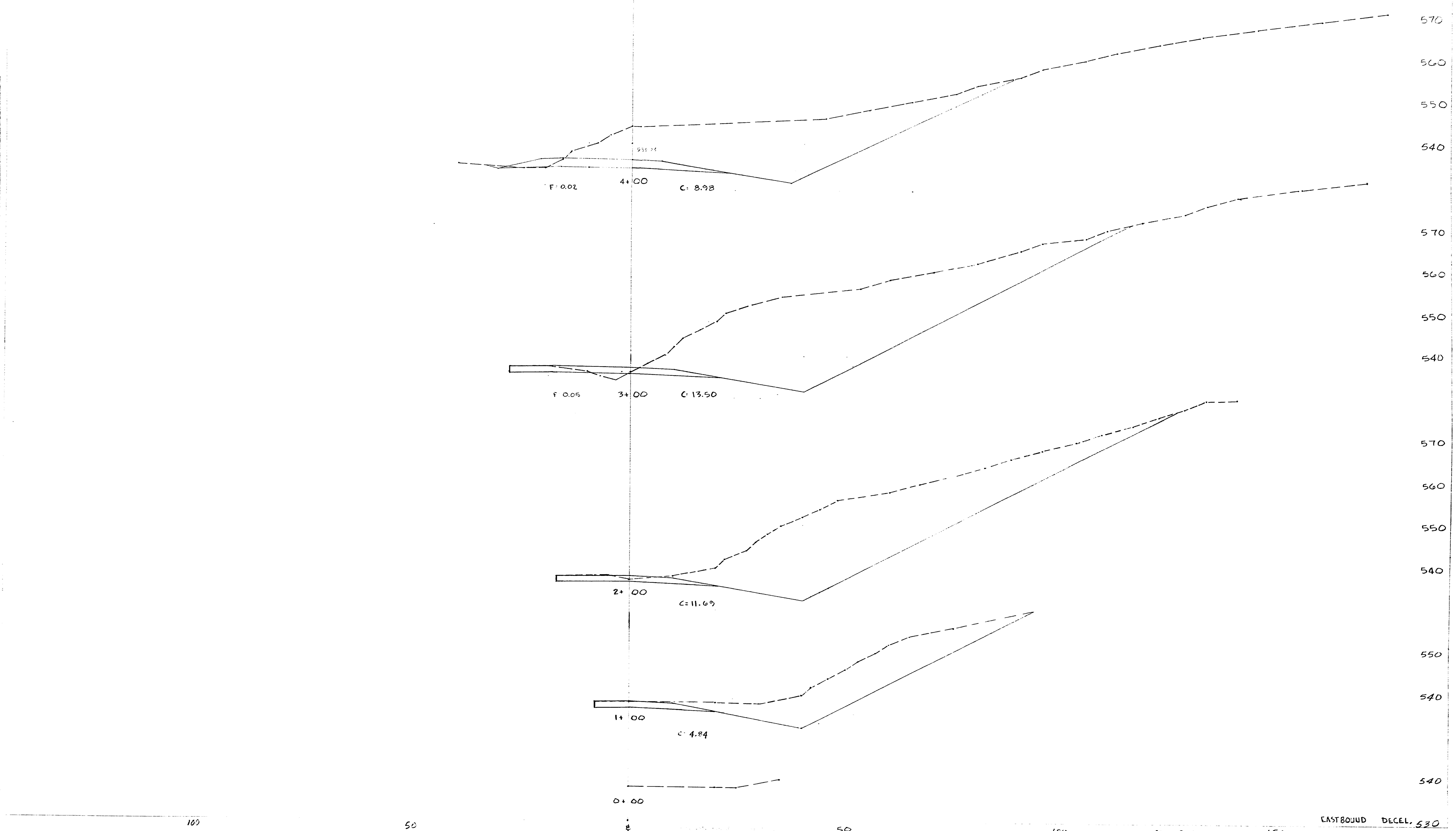
f'c 4000 PSI
fy 60,000 PSI

17W

TREATMENT PLANT HOLDING BASIN

REST AREA
I-40 SMITH COUNTY
TENNESSEE

3	TENN	1967	44	71
FED. AID PROJ. NO.		LSI-40-5(5)268		
STATE PROJ. NO.		80001-3123-94		

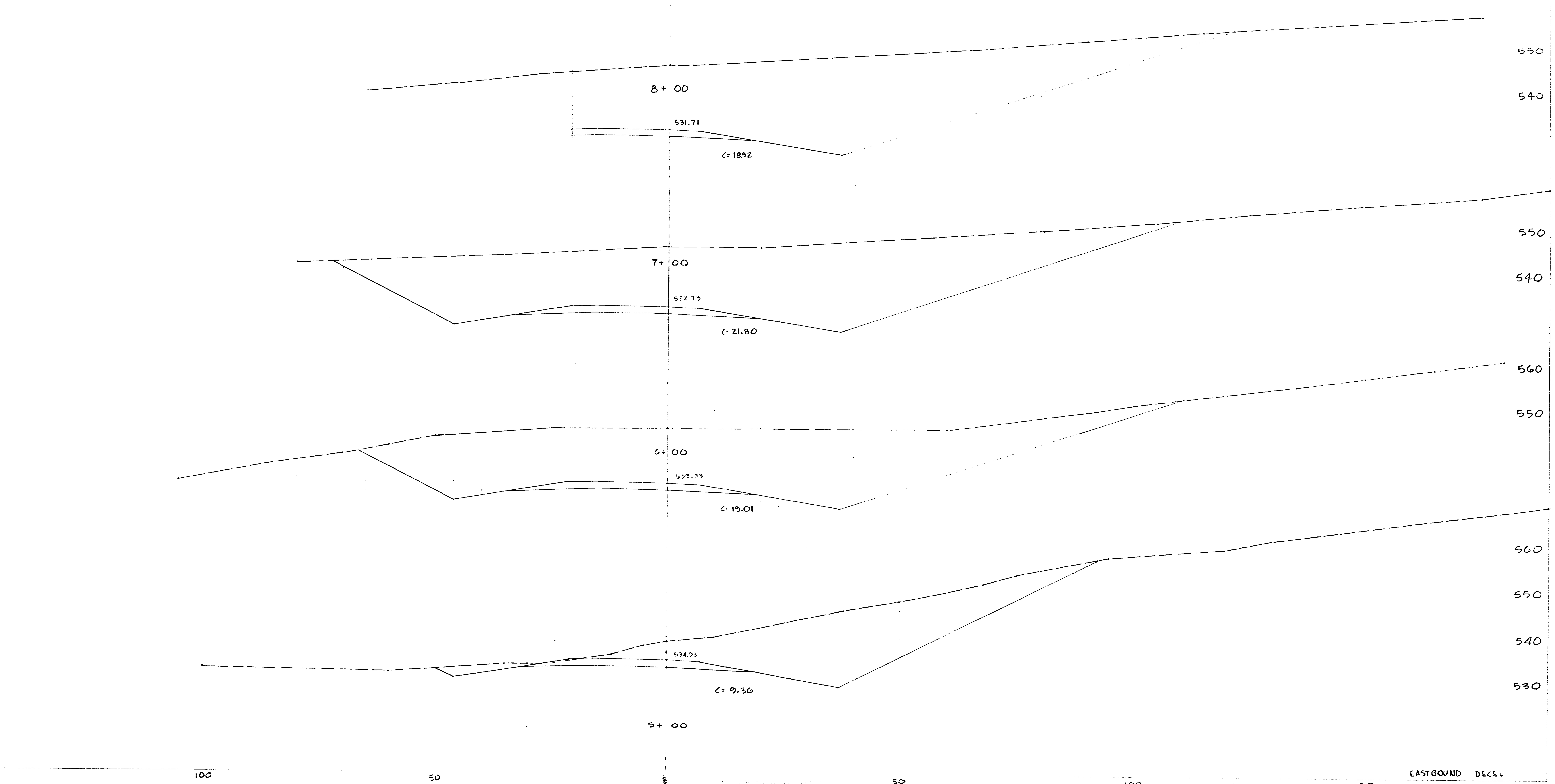


EASTBOUND DECEL.

State Proj. No. Sheet No. of Sheets

TENN. STATE HIGHWAYS	
Plans	File IN
Divn.	No.

3	TENN.	1967 45 71
FED. AID PROJ. NO.		LSI-40-5(5)268
STATE PROJ. NO.		80001-3123-94

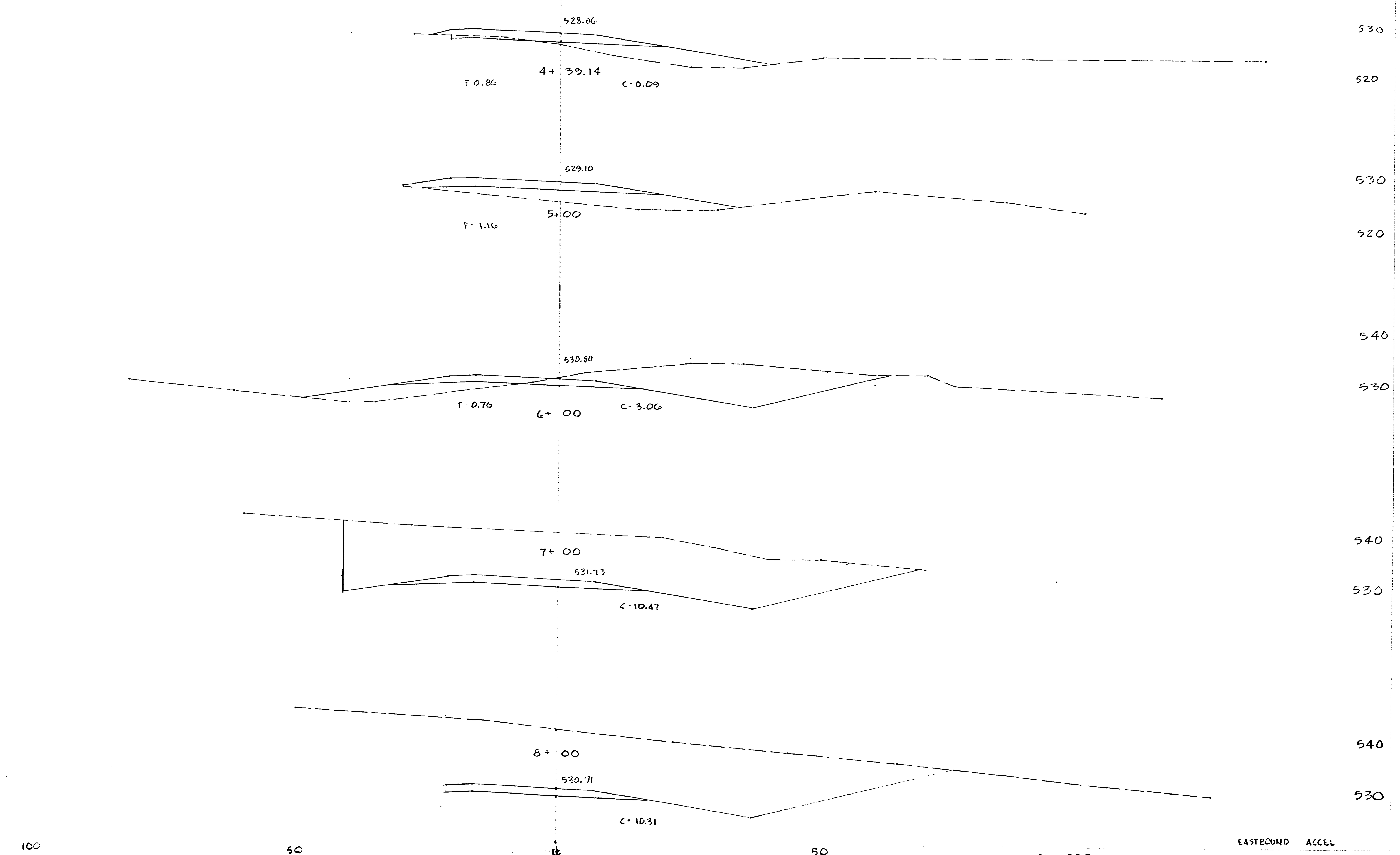


EASTBOUND DECEL

State Proj. No. | Sheet No. | of | Sheets

TENN. STATE HIGHWAYS	
Dist.	File IN
Divn.	No.

3 TENN.	1967 46 71
FED. AID PROJ. NO.	LSI- 40-5(5)268
STATE PROJ. NO.	80001-3123-94



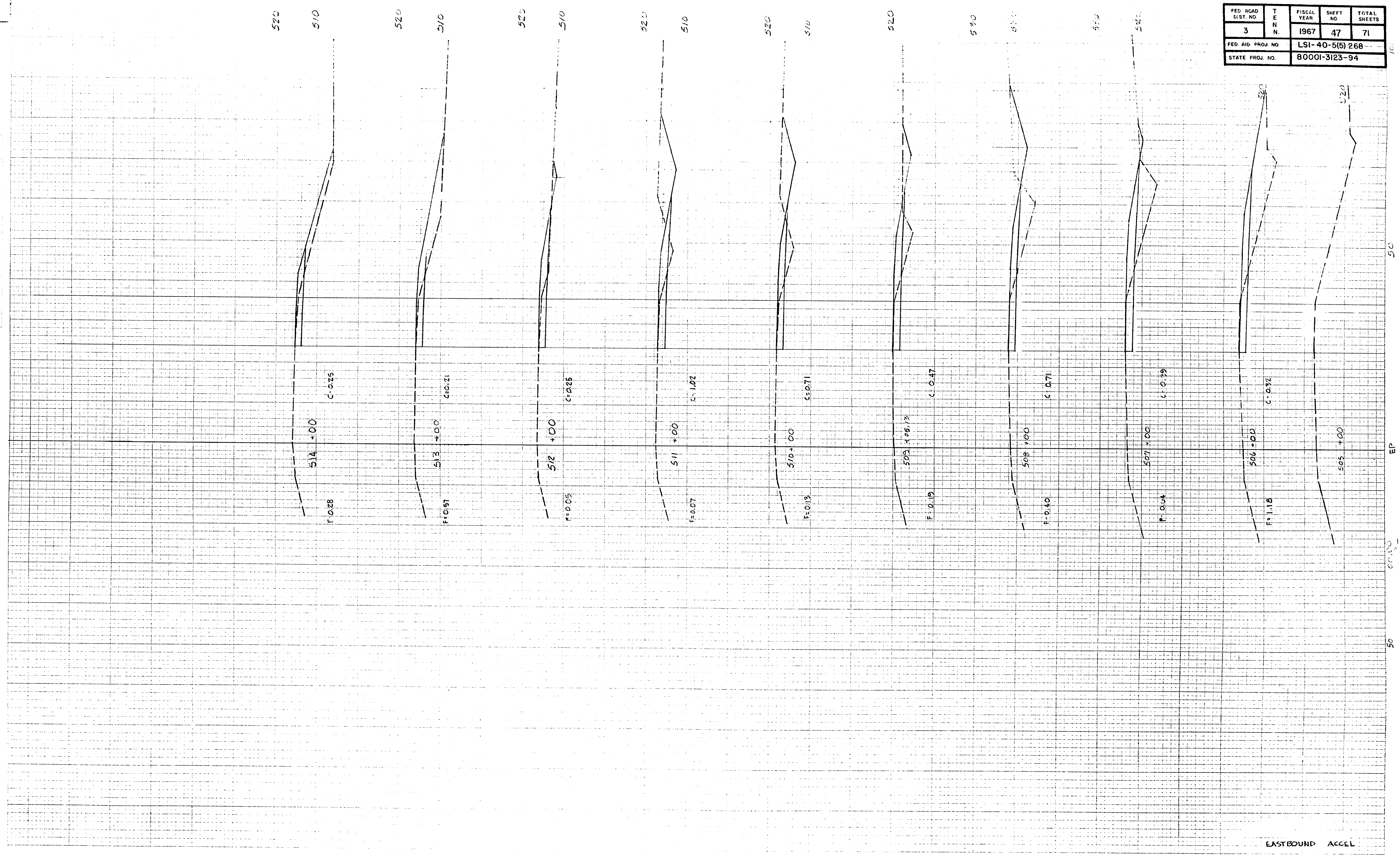
State Proj. No.

EASTBOUND ACCEL

Sheet No. of Sheets

TENN. STATE HIGHWAYS

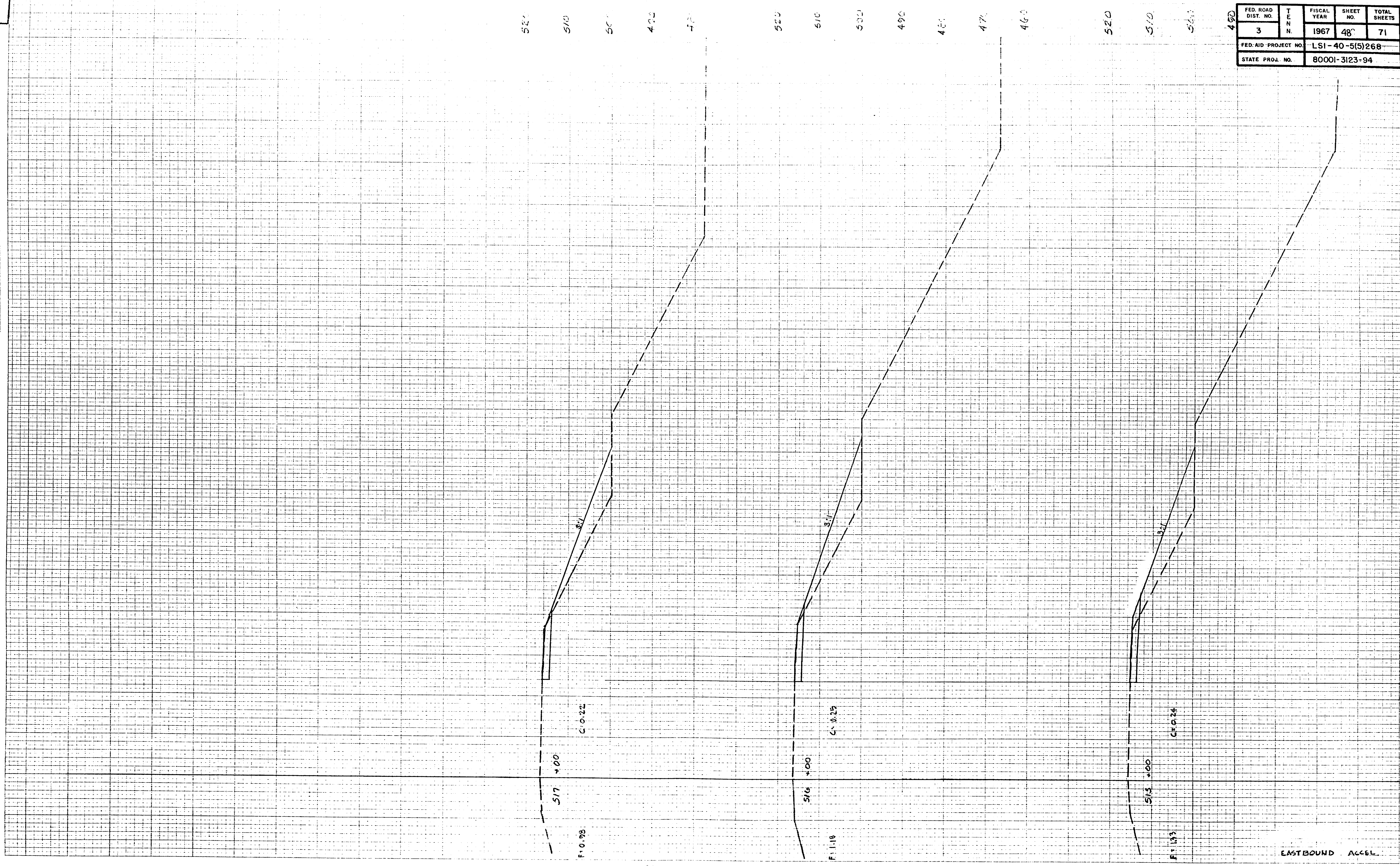
FED. ROAD DIST. NO.	TENN.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
3		1967	47	71
FED. AID PROJ. NO.		LSI-40-5(5) 268		
STATE PROJ. NO.		80001-3123-94		



EASTBOUND ACCEL

TENN. STATE HIGHWAYS	
Plans	File
Divn.	No.

FED. ROAD DIST. NO.	TENN.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
3		1967	48	71
FED. AID PROJECT NO.	LSI-40-5(5)268			
STATE PROJ. NO.	80001-3123-94			



FINAL SURVEY NOTE BOOK NO.

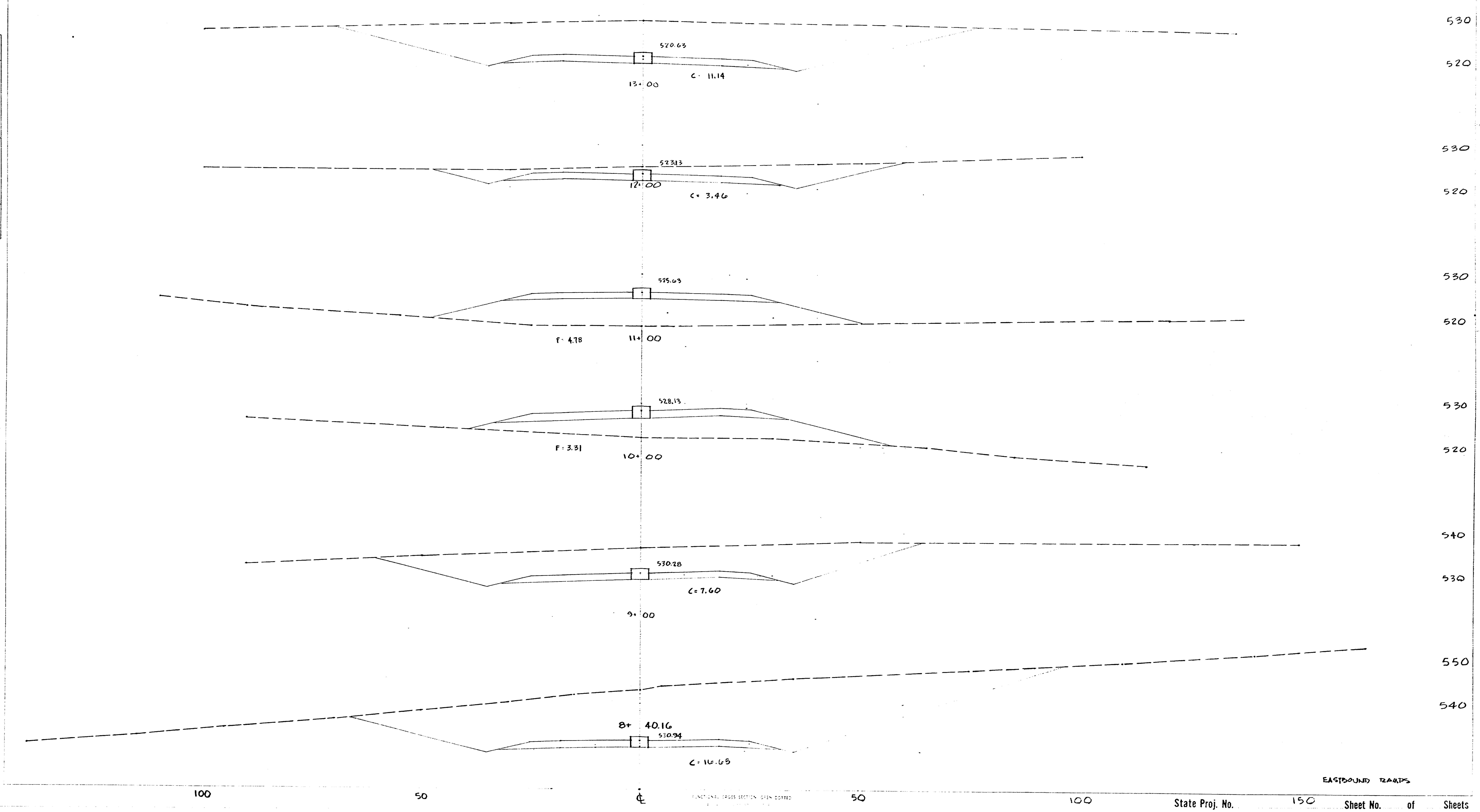
ORIGINAL SURVEY NOTE BOOK NO.

TENN. STATE HIGHWAYS	
Plans	File IN
Divn.	No. 197

3	TENN.		1967	49	71
FED. AID PROJ. NO.	LSI-40-5(5)268				
STATE PROJ. NO.	80001-3123-94				

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

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



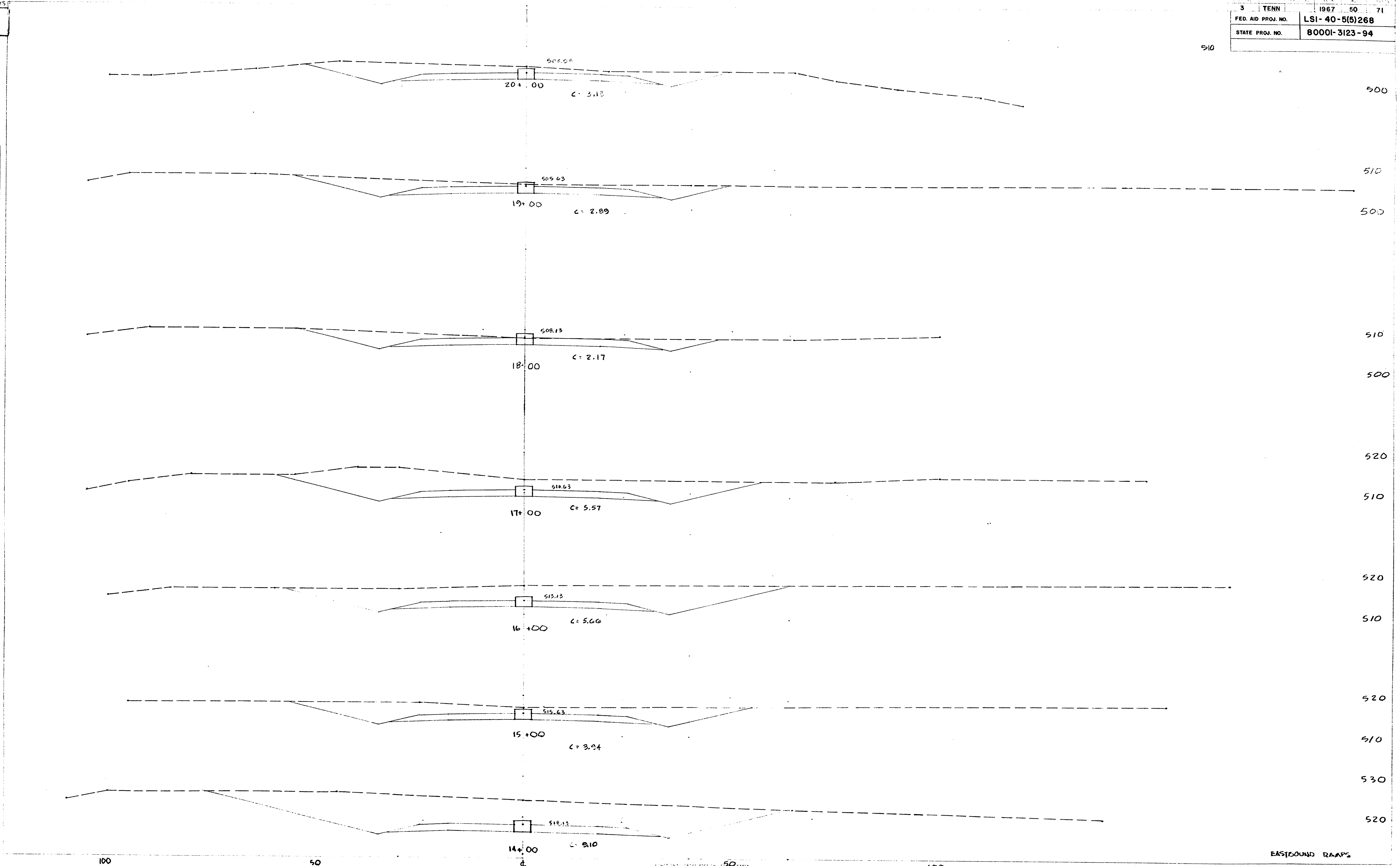
State Proj. No. Sheet No. of Sheets

TENN. STATE HIGHWAYS	
Plans	No. IN
Divn.	No. 197

3	TENN		1967	50	71
FED. AID PROJ. NO.	LSI-40-5(5)268				
STATE PROJ. NO.	80001-3123-94				

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

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



EASTBOUND RAMPS

State Proj. No. Sheet No. of Sheets

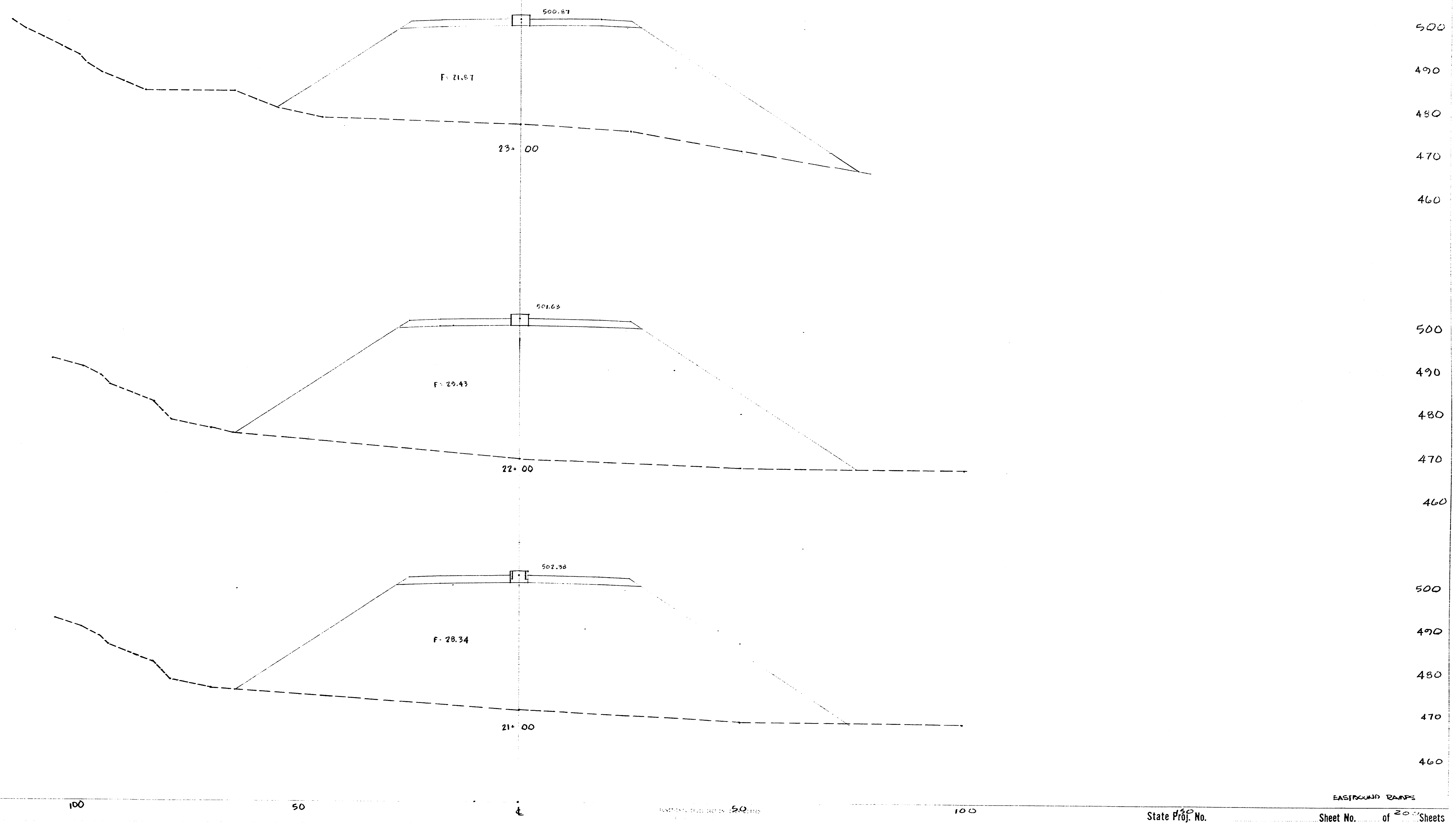
TENN. STATE HIGHWAYS

Plans	File IN
Drn.	No. 177

3	TENN.		1967	51	71
FED. AID PROJ. NO.	LSI-40-5(5) 268				
STATE PROJ. NO.	80001-3123-94				

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

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

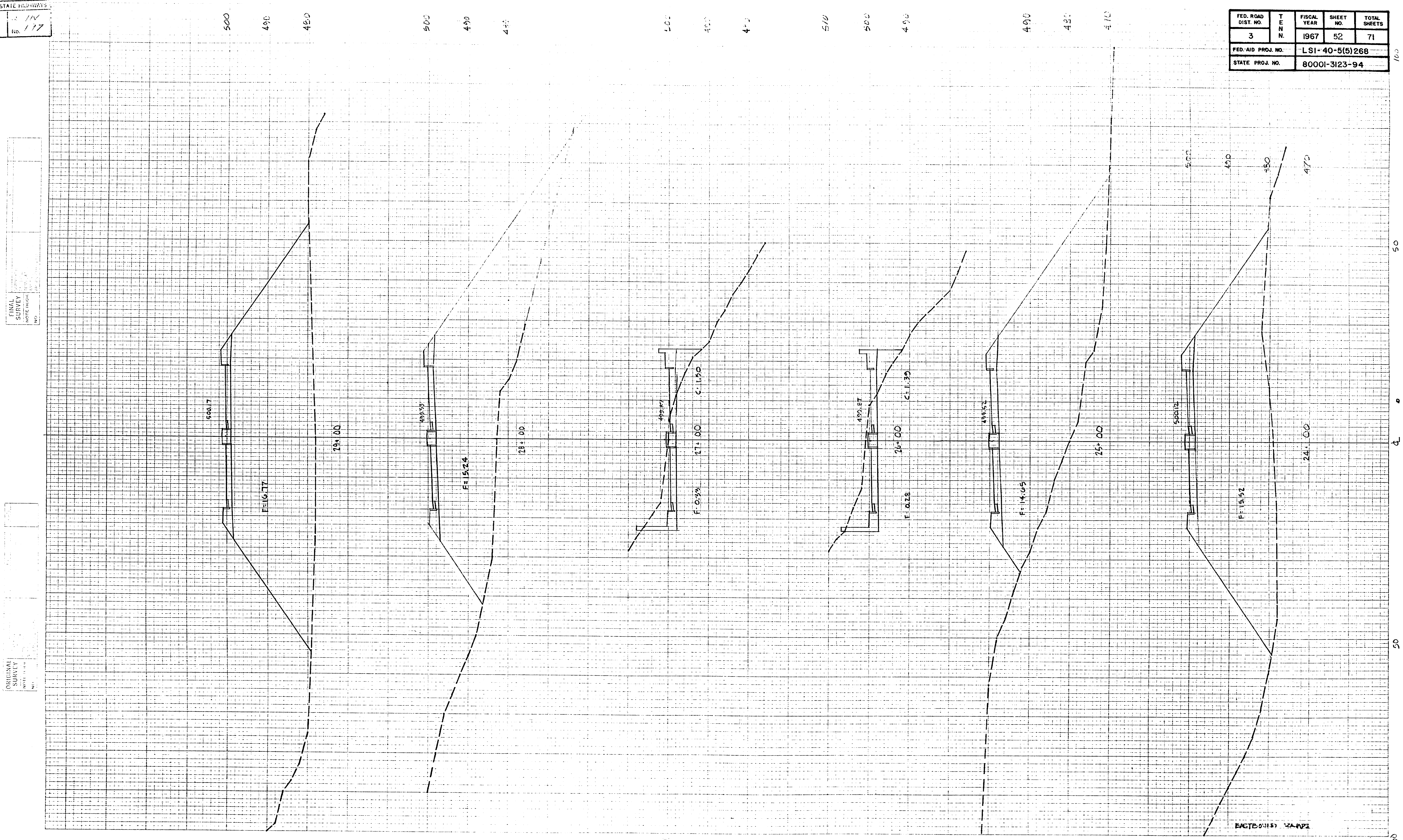


EASTBOUND RAMPS

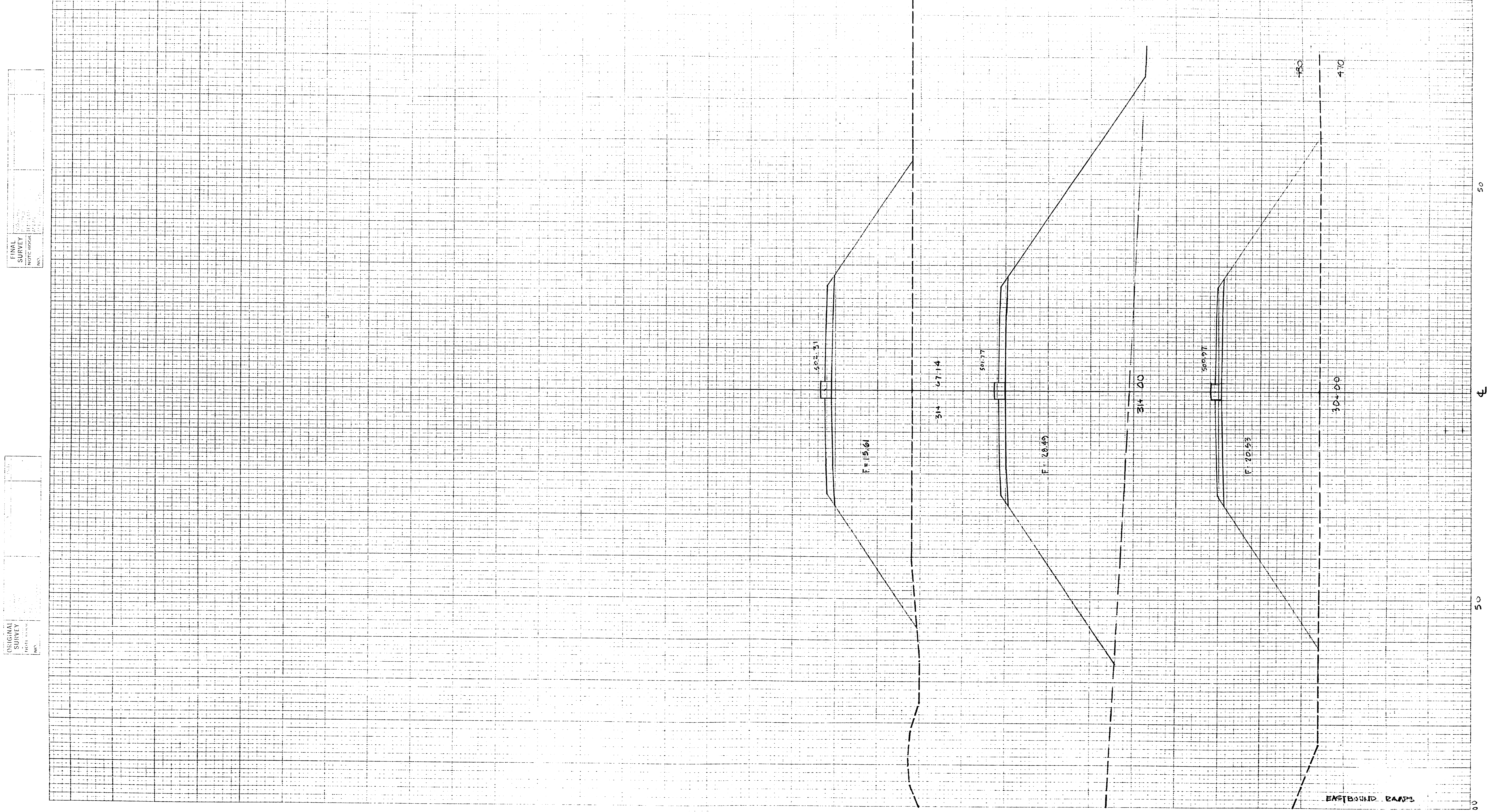
State Proj. No. Sheet No. of 20 Sheets

TENN. STATE HIGHWAYS

FED. ROAD DIST. NO.	TENN.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
3		1967	52	71
FED. AID PROJ. NO.	LSI-40-5(5)268			
STATE PROJ. NO.	80001-3123-94			

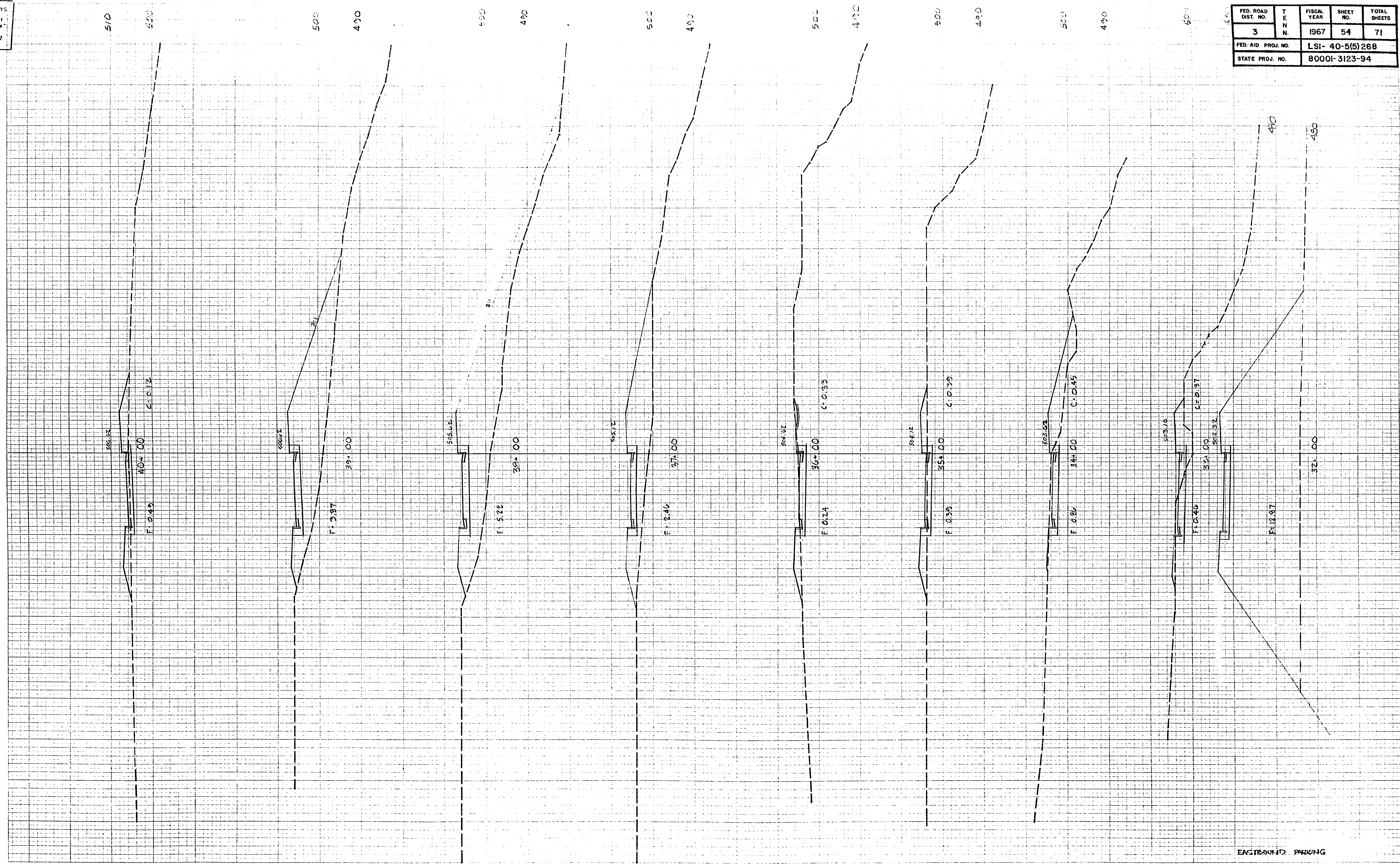


FED. ROAD DIST. NO.	TENN.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
3		1967	53	71
FED. AID PROJ. NO.		LSI-40-5(5)268		
STATE PROJ. NO.		80001-3123-94		



TENN. STATE HIGHWAYS
Plans Divn. | File No. 197

FED. ROAD DIST. NO.	TENN.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
3		1967	54	71
FED. AID PROJ. NO.	LSI- 40-5(5)268			
STATE PROJ. NO.	80001-3123-94			



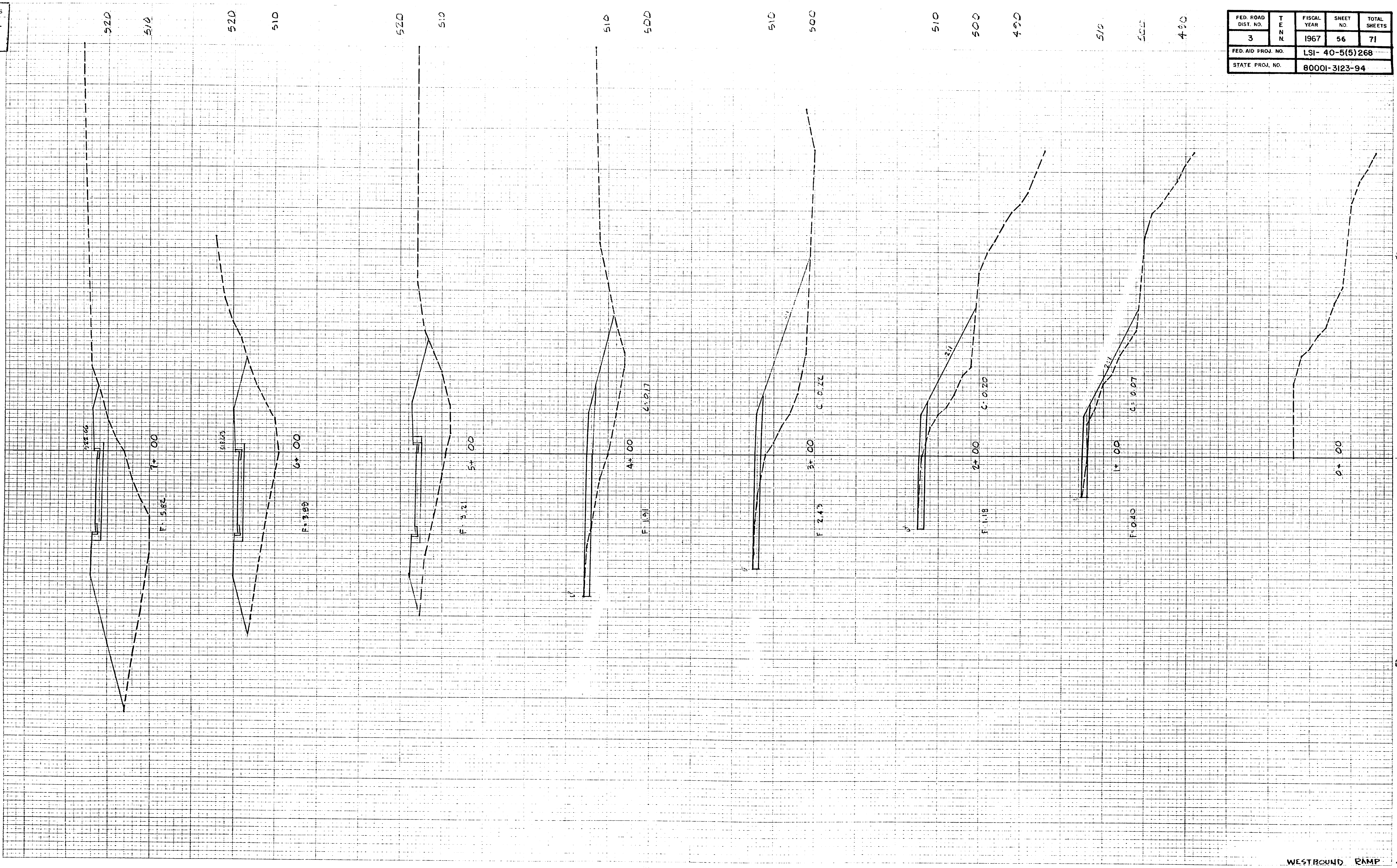
TENN. STATE HIGHWAYS	
Plans Divn.	File No. IN-197

FED. ROAD DIST. NO.		FISCAL YEAR	SHEET NO.	TOTAL SHEETS
3	TENN.	1967	55	71
FED. AID PROJ. NO.		LSI-40-5(5)268		
STATE PROJ. NO.		80001-3123-94		

TENN. STATE HIGHWAYS
Plans Divn. File No. IN-197

FED. ROAD DIST. NO.	TENN.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
3		1967	56	71

FED. AID PROJ. NO.	LSI- 40-5(5)268
STATE PROJ. NO.	80001-3123-94

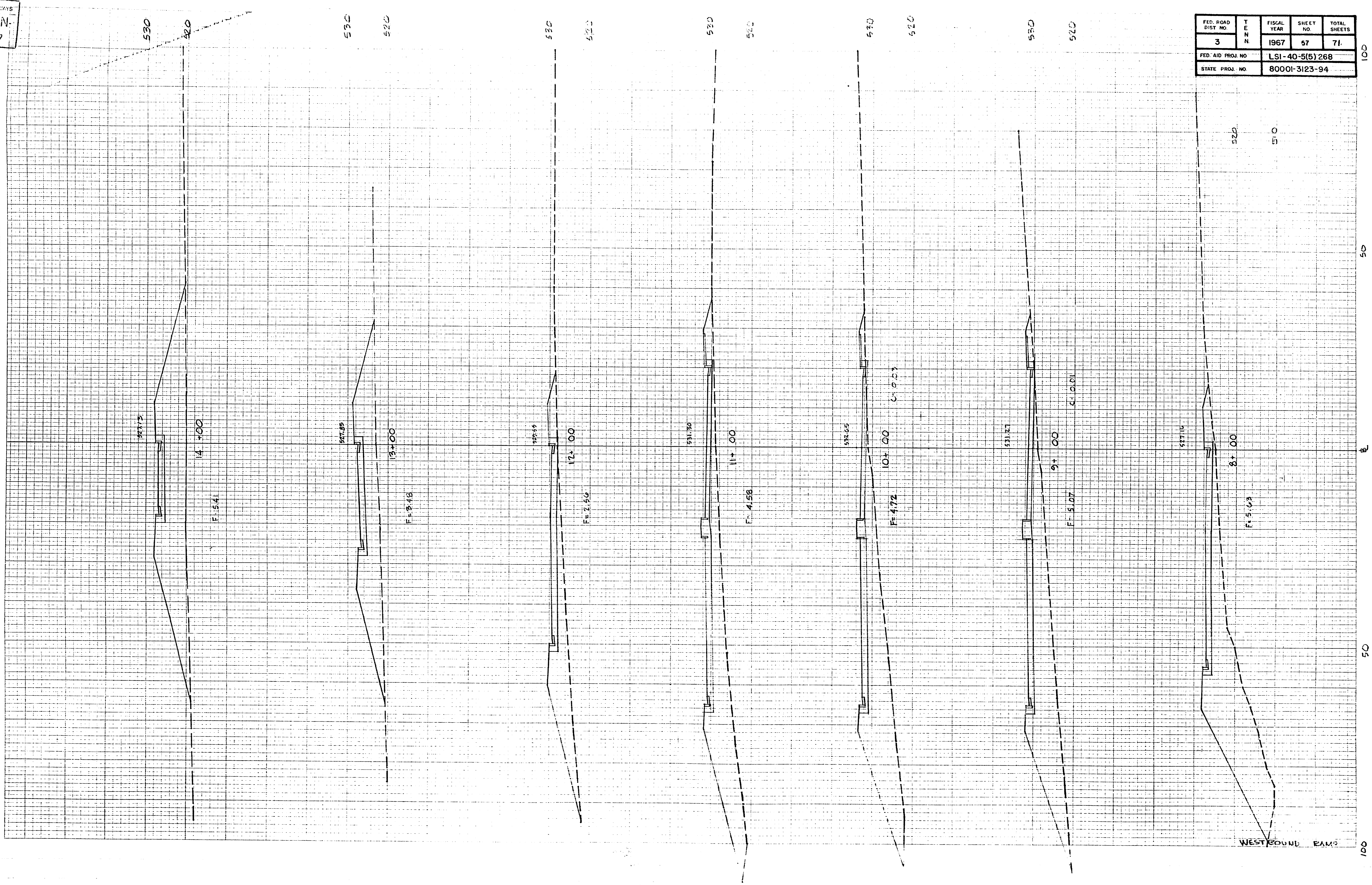


FINAL SURVEY NOTE BOOK NO.

ORIGINAL SURVEY NOTE BOOK NO.

TENN. STATE HIGHWAYS
Plans Divn. File No. IN-197

FED. ROAD DIST. NO.	TENN.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
3		1967	57	71
FED. AID PROJ. NO.		LSI-40-5(5)268		
STATE PROJ. NO.		80001-3123-94		



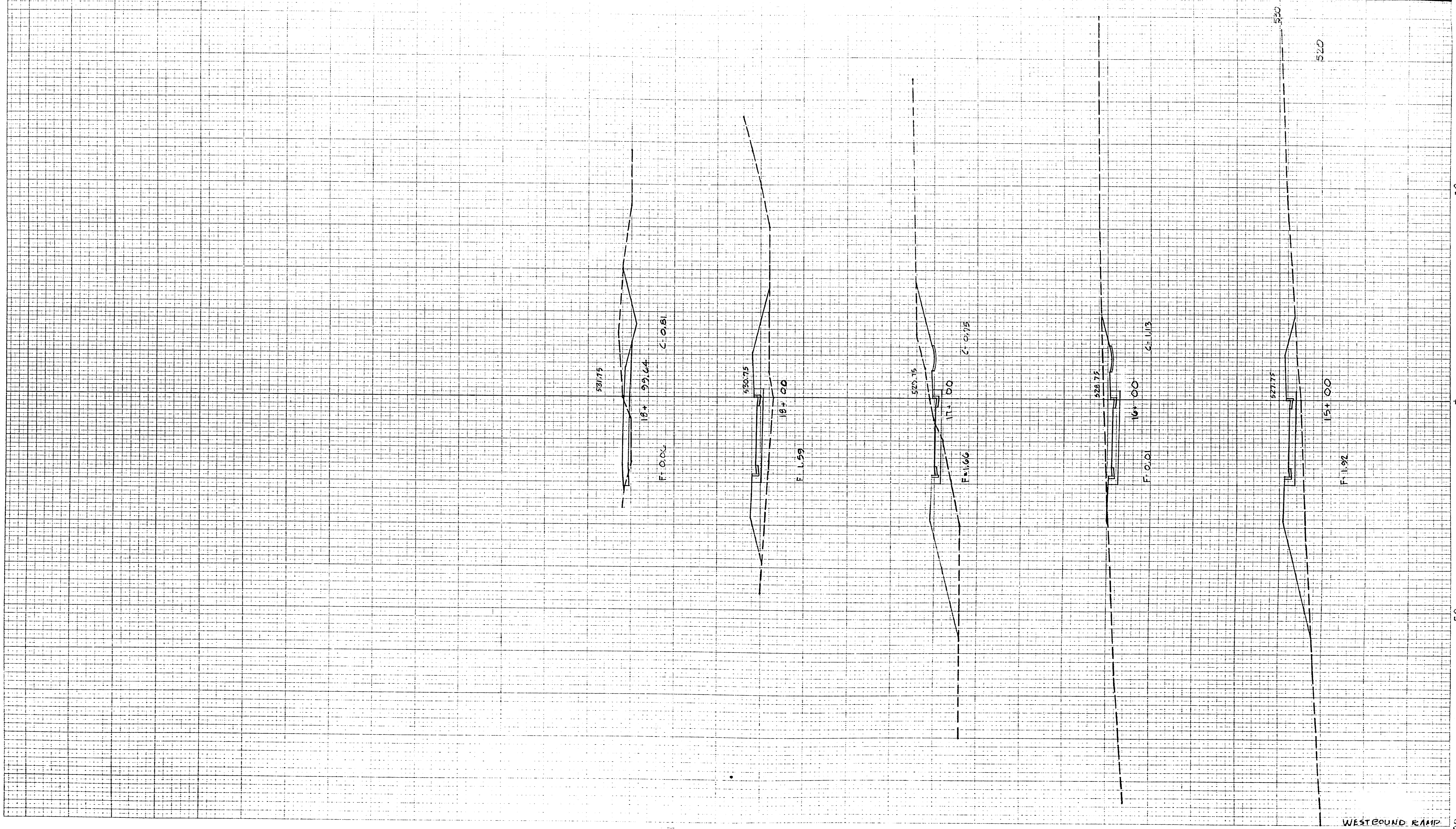
TENN. STATE HIGHWAYS
Plans Divn. File No. IN-197

FED. ROAD DIST. NO.	TENN	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
3		1967	58	71

FED. AID PROJ. NO. LSI-40-5(5)268
STATE PROJ. NO. 80001-3123-94

FINAL SURVEY NOTE BOOK NO.

ORIGINAL SURVEY NOTE BOOK NO.

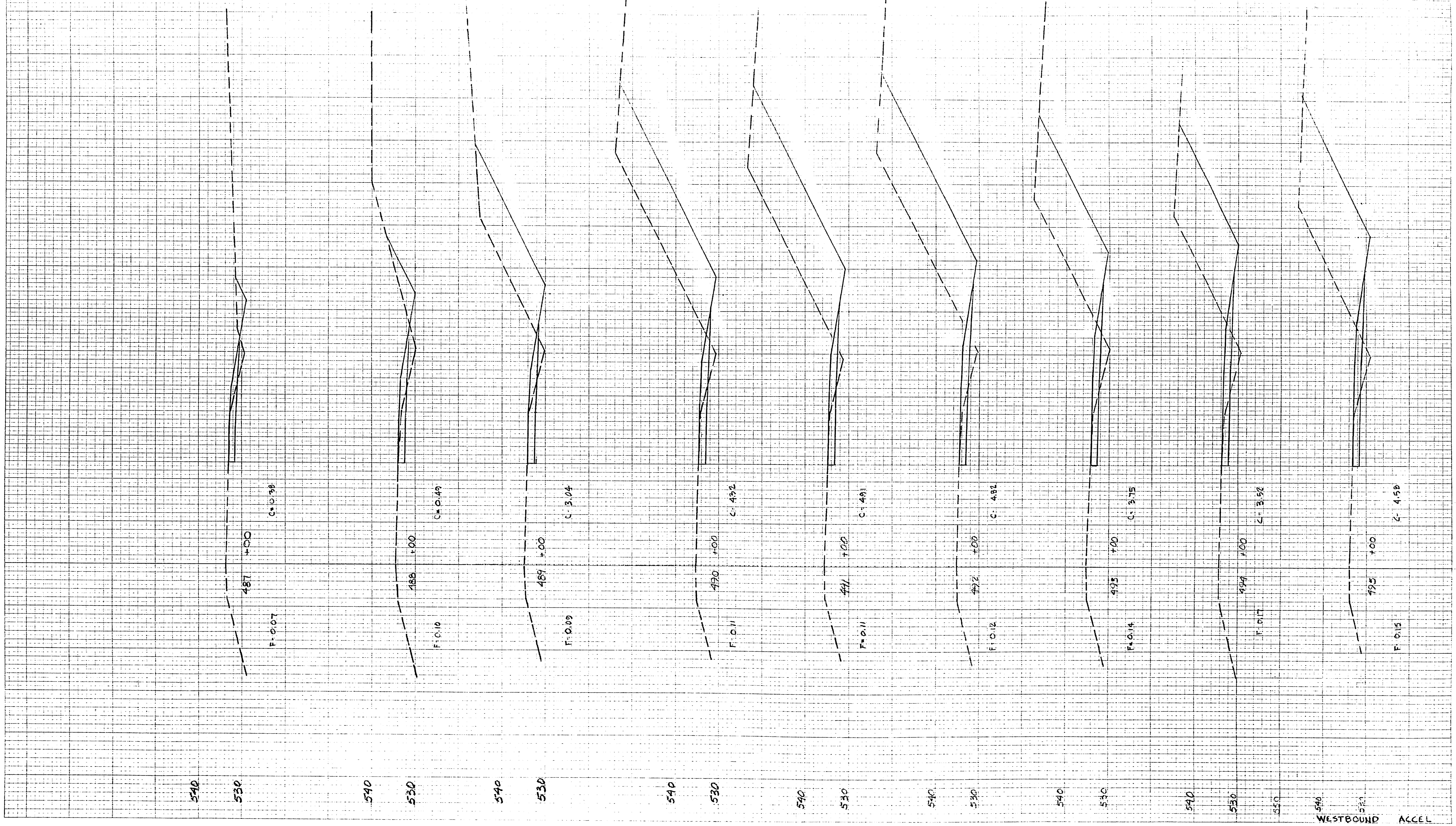


TENN. STATE HIGHWAYS
Plans Div. | File No. 197

FED. ROAD DIST. NO.	TENN.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
3	TENN.	1967	59	71
FED. AID PROJ. NO.		LSI-40-5(5)268		
STATE PROJ. NO.		80001-3123-94		

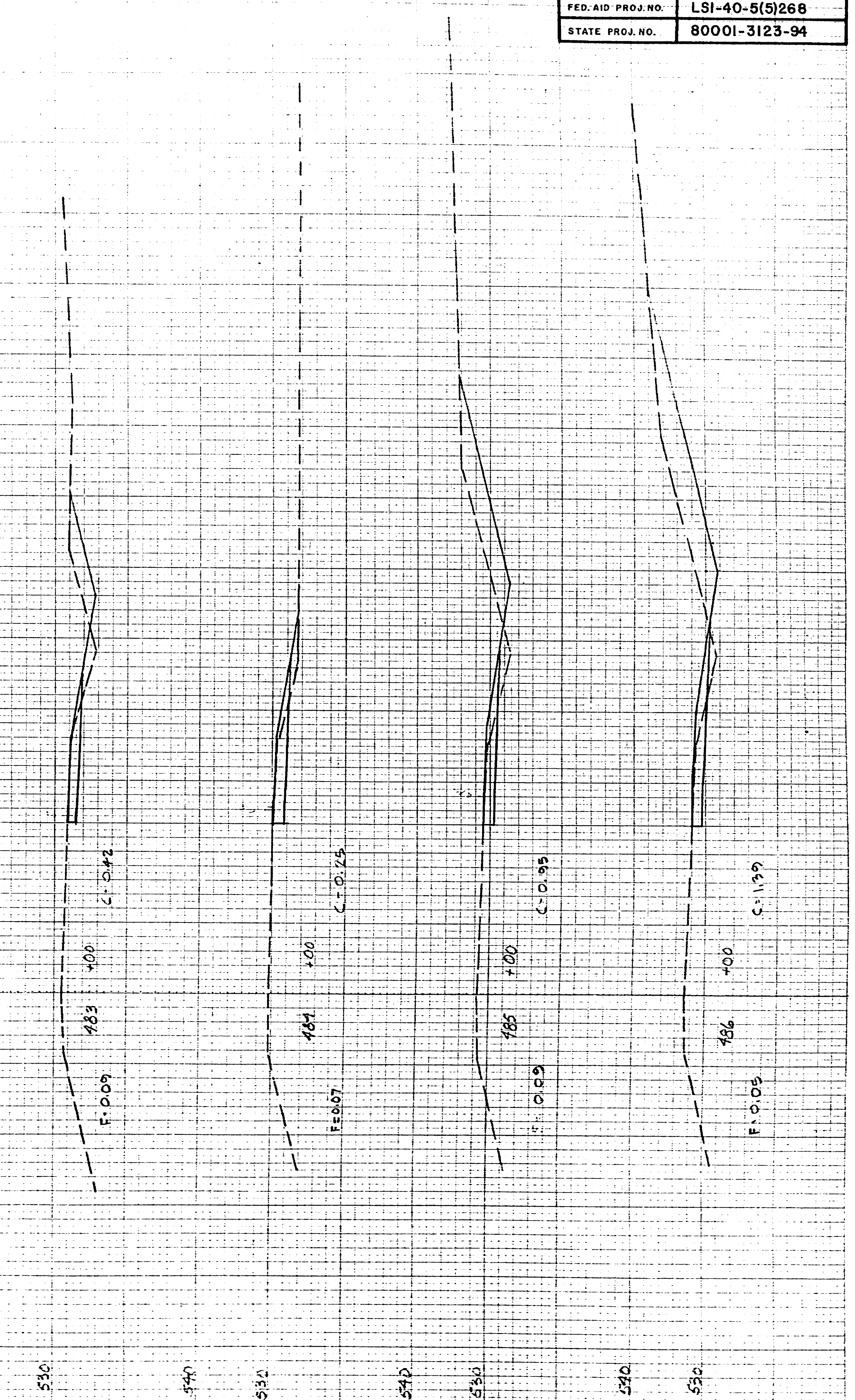
FINAL SURVEY

ORIGINAL SURVEY



FED. ROAD DIST. NO.	TENN.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
3		1967	60	71
FED. AID PROJ. NO.		LSI-40-5(5)268		
STATE PROJ. NO.		80001-3123-94		

TENN. STATE HIGHWAYS
Plans Divn. File No. IN-197



WESTBOUND ACCEL

197

— SIGN SCHEDULE —

FED. ROAD DIST. NO.		FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
3	TENN.	LSI-40-5(268)	1967	61	71

SIGN NO	LEGEND	SHEET NO	SIZE				COPY				SHIELD	ARROW	SIGN FACE			ALUMINUM DESIGN					STEEL DESIGN					VERTICAL CLEARANCE	REMARKS
			LENGTH	HEIGHT	RADIUS	BORDER WIDTH	CAPITAL	LOWER CASE	NUMERAL	SERIES			COPY	BACKGROUND	MATERIAL	SUPPORT TYPE	SUPPORT LENGTH	FOOTING	CONC. CU. YDS.	REIN. STEEL LBS.	SUPPORT TYPE	SUPPORT LENGTH	FOOTING	CONC. CU. YDS.	REIN. STEEL LBS.		
9		4	30"	30"	2 1/4"	5/8" BLACK INSIDE 7/8" YELLOW OUTSIDE							BLACK	YELLOW (REF.)	0.100" SHEET ALUMINUM	3" ⌀ @ 1.73#/FT.	h = 12'-9"	TYPE 1 D = 1'-0"	0.12	24.6	2 1/2" ⌀ @ 5.59#/FT.	h = 12'-9"	TYPE 1 D = 1'-0"	0.12	24.6	4'-0" MIN.	SEE "WI-2" UNIFORM MANUAL FOR ARROW AND PLATE DETAILS.
20	25 M.P.H.	4	18"	18"	1 1/2"	3/8" BLACK INSIDE 3/8" YELLOW OUTSIDE	3"		5"	"C" "E"			BLACK	YELLOW (REF.)	0.080" SHEET ALUMINUM		h = 13'-3"					h = 13'-3"					
10	MERGING TRAFFIC	4	48"	48"	3"	7/8" BLACK INSIDE 3/4" YELLOW OUTSIDE	8"			"C"			BLACK	YELLOW (REF.)	0.100" SHEET ALUMINUM	5 I 3.43	h_1 = 18'-3" h_2 = 18'-9"	TYPE 1 D = 1'-3"	0.18	25.5	4 I 7.7	h_1 = 18'-3" h_2 = 18'-9"	TYPE 1 D = 1'-3"	0.18	25.5	6'-0" MIN.	
11		4					8"			"C"							h_1 = 18'-3" h_2 = 18'-9"					h_1 = 18'-3" h_2 = 18'-9"					
7	RAMP 35 M.P.H.	4	4'-0"	5'-0"	3"	7/8" BLACK INSIDE 3/4" YELLOW OUTSIDE	8"			"E"			BLACK	YELLOW (REF.)	0.100" SHEET ALUMINUM	5 I 3.43	h_1 = 18'-0" h_2 = 18'-6"	TYPE 1 D = 1'-3"	0.18	25.5	4 I 7.7	h_1 = 18'-0" h_2 = 18'-6"	TYPE 1 D = 1'-3"	0.18	25.5	6'-0" MIN.	SPEED IS 35 M.P.H. ON SIGN # 7
17		4					6"		16"	"E" "E"											(BREAK-AWAY) 4 I 7.7	h_1 = 14'-0" h_2 = 15'-3"	TYPE 5 D = 1'-3"	0.18	50.1	6'-0" MIN.	SPEED IS 30 M.P.H. ON SIGN # 17
14	45° TRUCKS TRAILERS / CARS ONLY 45°	4	4'-6"	4'-0"	3"	3/4" WHITE	6" 6"			"C" "C"		9" x 6"	WHITE (REF.)	GREEN (REF.)	0.100" SHEET ALUMINUM	4 I 2.64	h_1 = 12'-6" h_2 = 12'-6"	TYPE 1 D = 1'-3"	0.18	25.5	3 I 5.7	h_1 = 12'-6" h_2 = 12'-6"	TYPE 1 D = 1'-3"	0.18	25.5	6'-0" MIN.	LETTERS AND ARROWS TO BE DIRECT APPLIED COPY.
16		4					6" 6"			"C" "C"		9" x 6"					h_1 = 12'-6" h_2 = 12'-6"					h_1 = 12'-6" h_2 = 12'-6"					
1	REST AREA 1 MILE	66	12'-0"	5'-0"	9"	2" WHITE	12" 10"		12"	"E" "E"			WHITE (REF.)	BLUE (REF.)	5-12" ALUM. EXTRUSIONS	7 I 6.05	h_1 = 16'-3" h_2 = 14'-3"	TYPE 1 D = 1'-6"	0.26	26.4	7 I 15.3	h_1 = 16'-3" h_2 = 14'-3"	TYPE 1 D = 1'-6"	0.26	26.4	7'-0" MIN.	
4	REST AREA RIGHT LANE	4	12'-0"	5'-0"	9"	2" WHITE	12" 10"			"E" "E"			WHITE (REF.)	BLUE (REF.)	5-12" ALUM. EXTRUSIONS	9 I 7.51	h_1 = 17'-3" h_2 = 19'-0"	TYPE 2 E = 4'-0"	0.46	35.4	6 WF 20	h_1 = 17'-3" h_2 = 19'-0"	TYPE 2 E = 4'-0"	0.46	35.4	7'-0" MIN.	
24		66														5 I 3.43	h_1 = 11'-0" h_2 = 11'-0"	TYPE 1 D = 1'-3"	0.18	25.5	5 I 10.0	h_1 = 11'-0" h_2 = 11'-0"	TYPE 1 D = 1'-3"	0.18	25.5		
8	REST AREA	4	12'-0"	5'-0"	9"	2" WHITE	12"			"E"		TYPE C @ 45°	WHITE (REF.)	BLUE (REF.)	5-12" ALUM. EXTRUSIONS						(BREAK-AWAY) 7 I 15.3	h_1 = 15'-3" h_2 = 15'-3"	TYPE 5 D = 1'-6"	0.26	51.3	7'-0" MIN.	
15		4																				h_1 = 15'-3" h_2 = 15'-3"					
28	REST AREA 3/4 MILE	66	12'-0"	5'-0"	9"	2" WHITE	12" 10"		12"	"E" "E"			WHITE (REF.)	BLUE (REF.)	5-12" ALUM. EXTRUSIONS	8 I 6.35	h_1 = 13'-0" h_2 = 16'-6"	TYPE 2 E = 4'-0"	0.46	35.4	6 WF 15.5	h_1 = 13'-0" h_2 = 16'-6"	TYPE 2 D = 4'-0"	0.46	35.4	7'-0" MIN.	NUMERAL FOR FRACTION = 8"

FED. ROAD DIST. NO.		FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
3	TENN.	LSI-40-5 (268	1967	62	71