

LIKE ANOKO 09000 J.B. [unclear]

STATE JOB NOS. 03030-3508-11-21
03030-3509-51-24

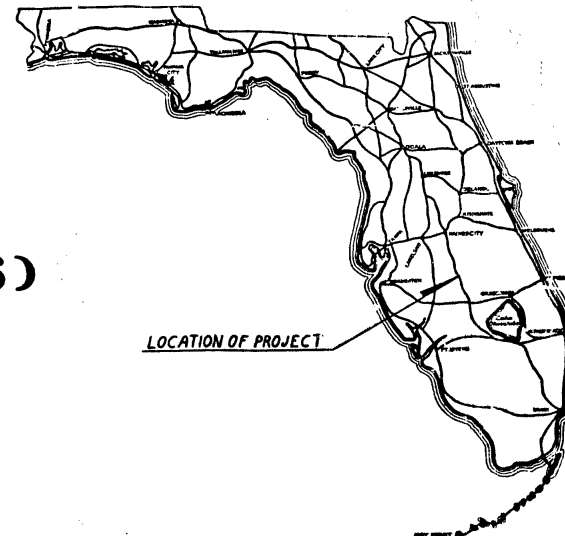


STATE OF FLORIDA
ROAD DEPARTMENT
PLANS

~~NOT A PROPOSED~~

NEW HIGHWAY

F.A. PROJ. NO. FU-019-2(16)
STATE ROAD NO. 25
HIGHLANDS COUNTY



INDEX OF SHEETS

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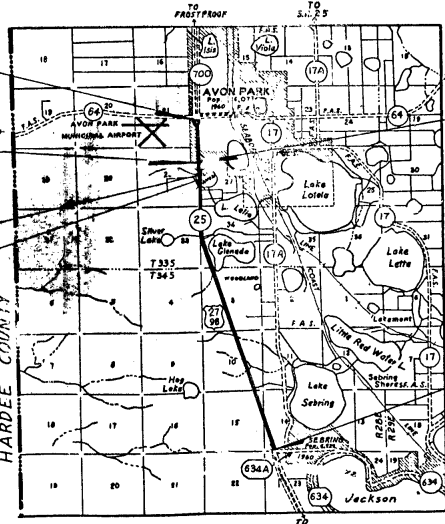
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3078-B. INFORMATIONAL SIGNS FOR FEDERAL-AID R.O.D.'S. (2 Sheets)
3080-B. CURB, CURB & GUTTER, AND TRAFFIC SEPARATOR. (2 SHEETS).
3086. SHOULDER, GUTTER, INLET, TYPE Y.
8011. CONCRETE BOX CULVERT.
8011-B. CONCRETE BOX CULVERT.
8013. CONCRETE BOX CULVERT.
8013-B. CONCRETE BOX CULVERT. (2 Sheets)
9194. APPROACH SLAB DETAILS. (2 Sheets)

FOR INDEX OF BRIDGE SHEETS, SEE BRIDGE PLANS.

END F.A. PROJ. NO. FU-019-2(16)
END JOB NO. 03030-3509
STA. 3568+06.15

END JOB NO. 03030-3508 TO
BEGIN JOB NO. 03030-3509 WACHULA
STA. 3528+44.39

354+92.5
354+92.5
354+92.5



TO AVON PARK
SHOWING CURVE

EQUATION: STA. 3523+08.53 BK. =
STA. 3523+26.00 AMD

BEGIN F.A. PROJ. NO. FU-019-2(16)
BEGIN JOB NO. 03030-3508
STA. 3570+47.03

CONTRACTOR: COUCH CONST CO
DISTRICT ENGR: CW MONTE DE O
RESIDENT ENGR: N B POLK
PROJECT ENGR: H D AULTRY
DATE WORK STARTED: 2/17/51
DATE WORK COMPLETED:
DATE WORK ACCEPTED:

CONSTRUCTION NOTEBOOKS

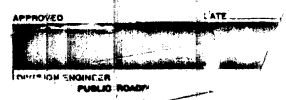
DESCRIPTION

- 861536 Original and Final Borrow Pit Cal
- 861537 Benchline Check Levels
- 865269 Box Culvert Steel Calculations
- 867351 Bridge Final Measurements
- 867459 Original and Final Subsoil Cross Sections
- 869390 Original and Final Contractor's Borrow Pit Cross Sections
- 876299 Final Measurements
- 880023 Bulkhead and Steel

LENGTH OF PROJECT

	F.A. PROJECT NO. FU-019-2(16)		JOB NO. 03030-3509		TOTAL	
	JOB NO.	LENGTH	LINEAL FT.	MILES	LINEAL FT.	MILES
RDWY	03030-3509	3,942.35	0.747	23,614.80	4.503	
JOES		0.00	0.00	12,500.00	0.233	
LENGTH OF JOB		3,942.35	0.747	23,733.80	0.536	
OPTIONS		0.00	0.00	0.00	0.000	
LENGTH OF JOB		3,942.35	0.747	23,733.80	0.536	

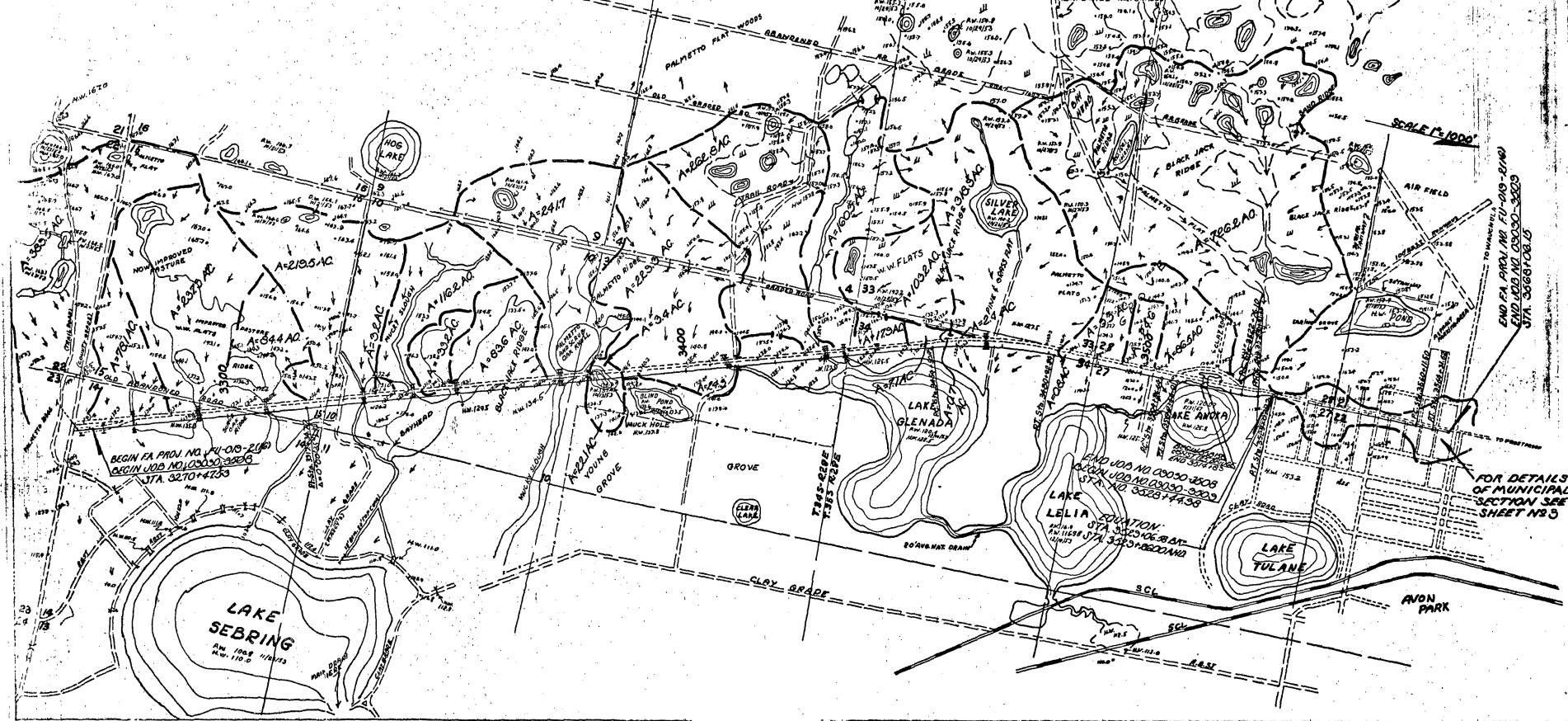
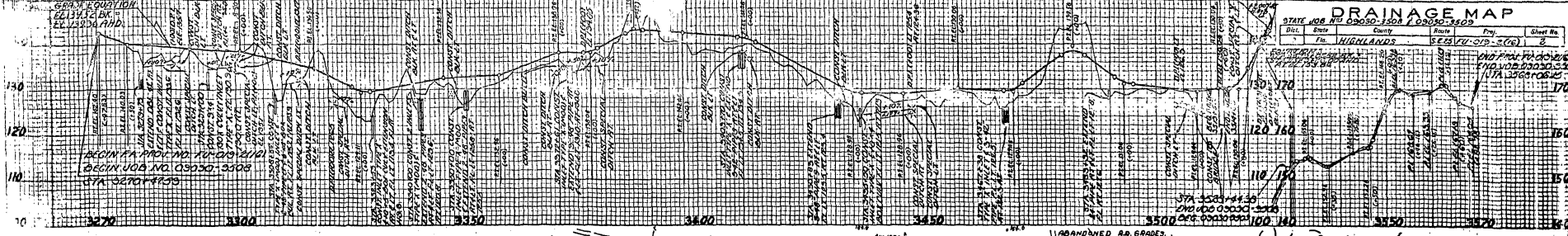
ATTENTION IS DIRECTED TO THE FACT THAT THESE PLANS MAY HAVE BEEN REDUCED IN SIZE BY REPRODUCTION. THIS MUST BE CONSIDERED WHEN OBTAINING SCALED DATA



GOVERNING SPECIFICATIONS: STATE OF FLORIDA, ROAD DEPARTMENT.
STANDARD SPECIFICATIONS: C
APPROVED BY BUREAU OF
DATE:

DRAINAGE MAP

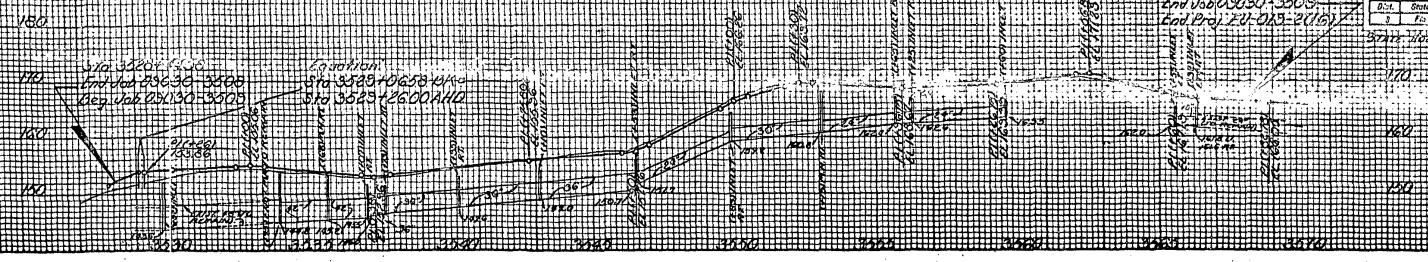
STATE JOB NO. 00050-1001 / 00050-1009
 Loc. HIGHLANDS
 SHEET NO. 57
 PLAN NO. 00050-1001
 PLAN NO. 00050-1009



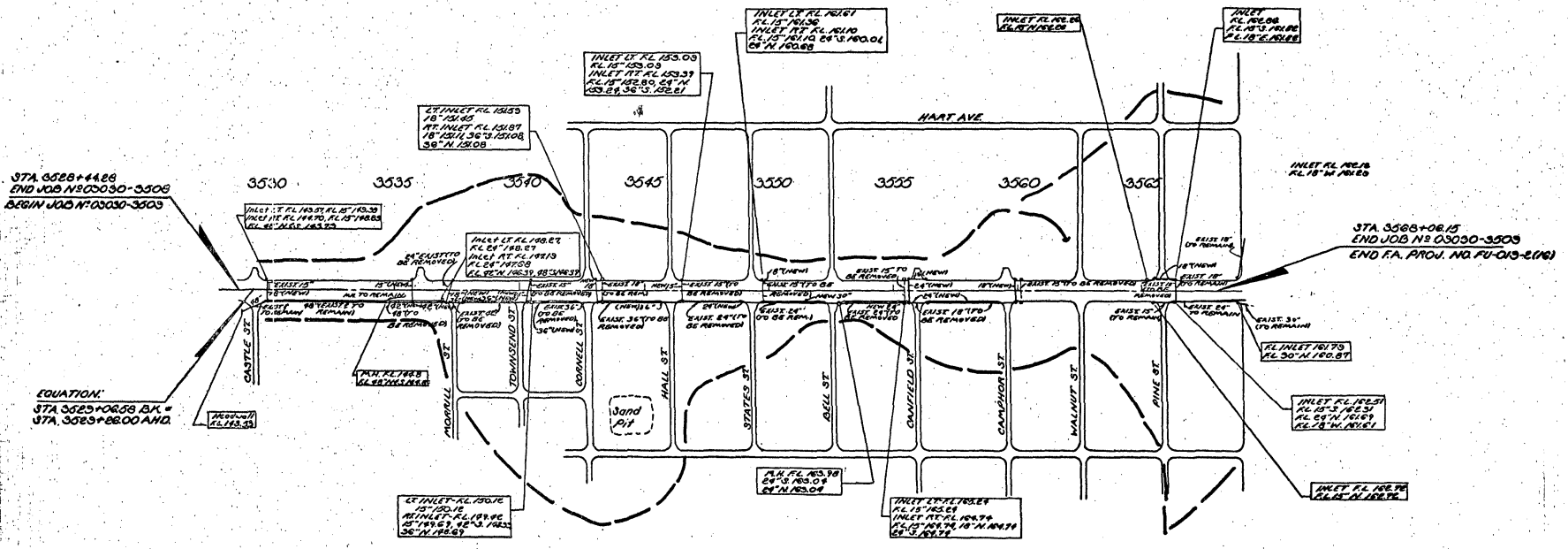
DRAINAGE MAP

Dist.	State	County	Sheet	Page	Sheet #
		HIGHLANDS	11-25	11-201	61(18)

Sta 3565+06.15
 End Job 03030-3503
 End Proj. FU-013-2(18)



SCALE: 1"=200'



STA 3528+44.88
 END JOB N° 03030-3503
 BEGIN JOB N° 03030-3503

EQUATION:
 STA 3523+06.08 B.M. =
 STA 3523+06.00 A.M.D.

STA 3565+06.15
 END JOB N° 03030-3503
 END FA. PROJ. NO. FU-013-2(18)

LE INLET FL 150.06
 FL 150.06
 40" DIA. 18" IN. 18" DIA.
 40" DIA. 18" IN. 18" DIA.
 36" N. 18" DIA.

INLET FL 153.00
 FL 153.00
 40" DIA. 18" IN. 18" DIA.
 40" DIA. 18" IN. 18" DIA.
 36" N. 18" DIA.

INLET FL 161.61
 FL 161.61
 40" DIA. 18" IN. 18" DIA.
 40" DIA. 18" IN. 18" DIA.
 36" N. 18" DIA.

INLET FL 162.08
 FL 162.08
 40" DIA. 18" IN. 18" DIA.
 40" DIA. 18" IN. 18" DIA.
 36" N. 18" DIA.

INLET FL 162.08
 FL 162.08
 40" DIA. 18" IN. 18" DIA.
 40" DIA. 18" IN. 18" DIA.
 36" N. 18" DIA.

INLET FL 150.87
 FL 150.87
 40" DIA. 18" IN. 18" DIA.
 40" DIA. 18" IN. 18" DIA.
 36" N. 18" DIA.

INLET FL 150.87
 FL 150.87
 40" DIA. 18" IN. 18" DIA.
 40" DIA. 18" IN. 18" DIA.
 36" N. 18" DIA.

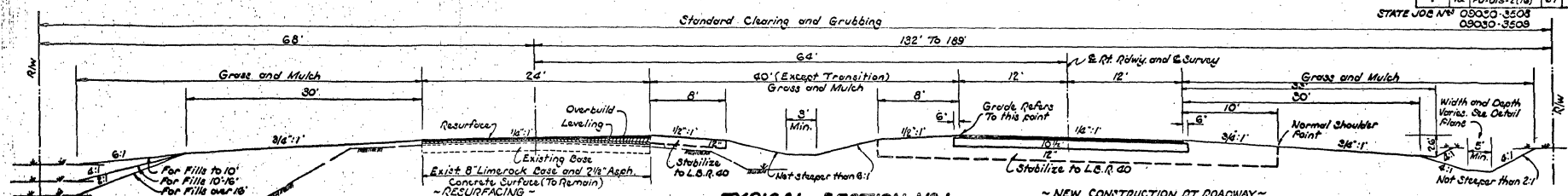
FL INLET 161.70
 FL 161.70
 40" DIA. 18" IN. 18" DIA.
 40" DIA. 18" IN. 18" DIA.
 36" N. 18" DIA.

INLET FL 162.51
 FL 162.51
 40" DIA. 18" IN. 18" DIA.
 40" DIA. 18" IN. 18" DIA.
 36" N. 18" DIA.

INLET FL 162.70
 FL 162.70
 40" DIA. 18" IN. 18" DIA.
 40" DIA. 18" IN. 18" DIA.
 36" N. 18" DIA.

FL FL 163.50
 FL 163.50
 40" DIA. 18" IN. 18" DIA.
 40" DIA. 18" IN. 18" DIA.
 36" N. 18" DIA.

INLET FL 163.64
 FL 163.64
 40" DIA. 18" IN. 18" DIA.
 40" DIA. 18" IN. 18" DIA.
 36" N. 18" DIA.



- TYPICAL SECTION NO. 1 -
STA. 3270+47.65 - STA. 3528+44.38
DESIGN SPEED TO M.R.H.
JOB NO. 09030-3508

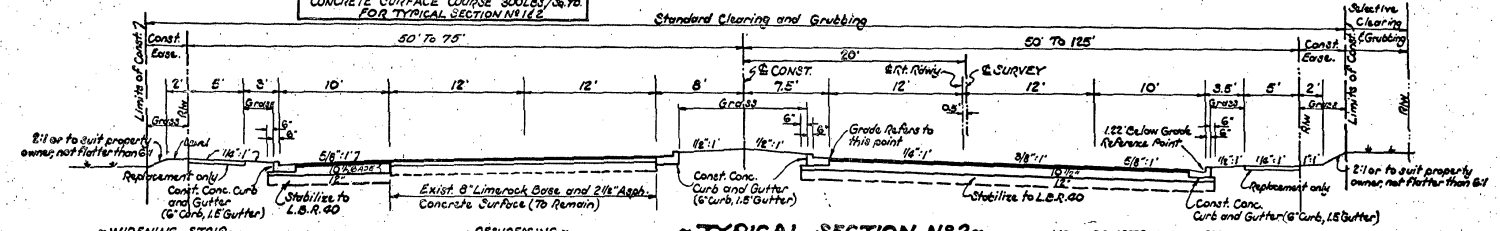
- NEW CONSTRUCTION RT. ROADWAY -
LIMEROCK BASE (10 1/4" THICK DOUBLE COURSE) ARMOR COAT WITH TYPE I ASPHALTIC CONCRETE SURFACE COURSE (1" THICK) AND BINDER COURSE (2" THICK)
Note: Construct Armor Coat over finished roadway bases
Extend Turf Mats and Shoulders. Prime Turf Mats and paved shoulders.

- TRAFFIC PROJECTION -
FROM S.R. 2-654-A TO S.R. 66

1966	A.C.T.	5,500
Estimated 1970	A.C.T.	6,500
Estimated 1980	A.C.T.	8,500
Estimated 1990	A.C.T.	11,000

K: 10
G: 90
T: 12

NOTE: CONSTRUCTION IN MEDIAN
LIMEROCK BASE (10 1/4" THICK DOUBLE COURSE) ARMOR COAT WITH TYPE I ASPHALTIC CONCRETE SURFACE COURSE 300 LBS./SQ. YD. FOR TYPICAL SECTION NO. 1 & 2

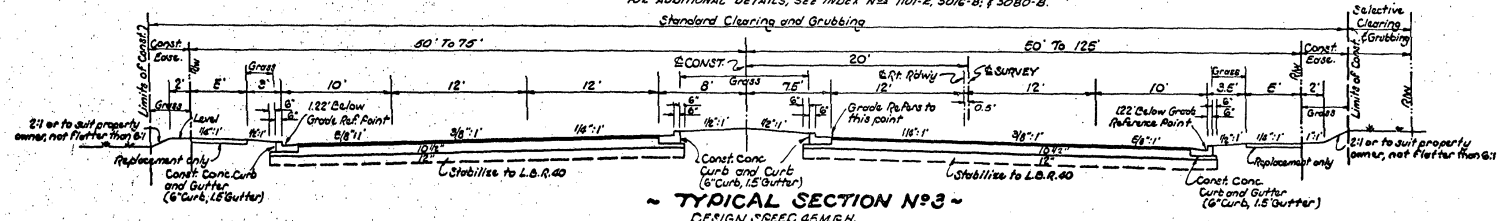


- WIDENING STRIP -
TYPE I ASPHALTIC CONCRETE SURFACE COURSE (100 LBS. PER SQ. YD. FOR SURFACE) (75 LBS. PER SQ. YD. FOR LEVELING)
LIMEROCK BASE (10 1/4" THICK DOUBLE COURSE)

- RESURFACING -
TYPE I ASPHALTIC CONCRETE SURFACE COURSE (100 LBS. PER SQ. YD. FOR SURFACE) (125 LBS. PER SQ. YD. FOR LEVELING)

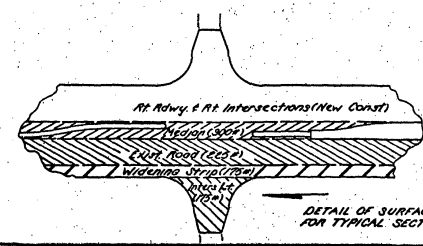
- TYPICAL SECTION NO. 2 -
STA. 3528+44.38 - STA. 3552+19.79
DESIGN SPEED 45 M.P.H.
JOB NO. 09030-3509

- NEW CONSTRUCTION RT. ROADWAY -
LIMEROCK BASE (10 1/4" THICK DOUBLE COURSE) ARMOR COAT WITH TYPE I ASPHALTIC CONCRETE SURFACE COURSE (1" THICK) AND BINDER COURSE (2" THICK)

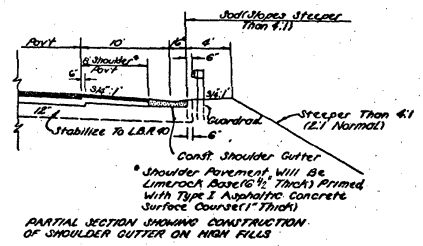


- TYPICAL SECTION NO. 3 -
DESIGN SPEED 45 M.P.H.
STA. 3552+19.79 - STA. 3568+02.65
LIMEROCK BASE (10 1/4" THICK DOUBLE COURSE) ARMOR COAT WITH TYPE I ASPHALTIC CONCRETE SURFACE COURSE (1" THICK) AND BINDER COURSE (2" THICK)
JOB NO. 09030-3509

FOR ADDITIONAL DETAILS, SEE INDEX NOS. 101-2, 5016-B, & 5080-B.



DETAIL OF SURFACE QUANTITIES FOR TYPICAL SECTION NO. 3

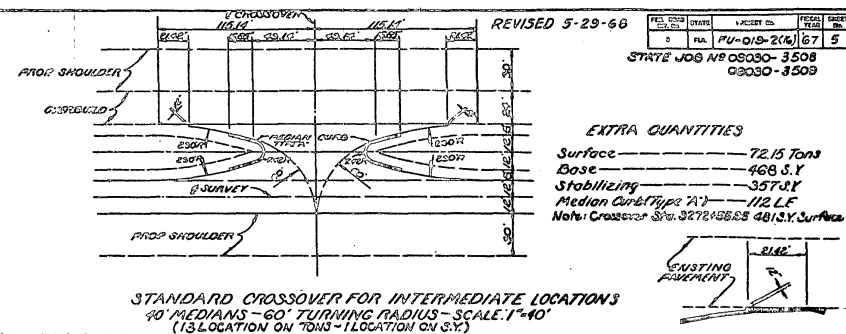


PARTIAL SECTION SHOWING CONSTRUCTION OF SHOULDER GUTTER ON HIGH FILES

SUMMARY OF QUANTITIES

ITEM NUMBER	ITEM	UNIT	QUANTITIES	
			FU-019-2 (16)	TOTAL
100-1A	MAINTENANCE OF TRAFFIC (JOB NO. 09030-3508)	LUMP SUM	1	1
100-1B	MAINTENANCE OF TRAFFIC (JOB NO. 09030-3508)	LUMP SUM	1	1
100-1	CALCIUM CHLORIDE	TON	18	18
100-1A	CLEARING AND GRUBBING (JOB NO. 09030-3508)	LUMP SUM	1	1
100-1B	CLEARING AND GRUBBING (JOB NO. 09030-3508)	LUMP SUM	1	1
100-2	CLEARING AND GRUBBING (BOREW PITS)	ACRE	0	0
100-1	REMOVAL OF EXISTING PAVEMENT	SQ. YD.	0	288
100-1A	GRADING (JOB NO. 09030-3508)	LUMP SUM	1	1
100-1B	GRADING (JOB NO. 09030-3508)	LUMP SUM	1	1
100-2	BOREW EXCAVATION	CU. YD.	185.124	185.124
100-2	SUBSOIL EXCAVATION	CU. YD.	1120	1120
100-1	STABILIZING (L&E) (12")	SQ. YD.	53,876	56,239
200-1	LIME/ROCK BASE (1.5" THICK)	SQ. YD.	910	910
200-1B	LIME/ROCK BASE (1.5" THICK) (DOUBLE COURSE)	SQ. YD.	56,167	29,364
300-1A	BITUMINOUS MATERIAL (PRIME-ARMOR COAT)	GAL.	10,526	21,052
300-1B	BITUMINOUS MATERIAL (PRIME COAT)	GAL.	21,052	42,104
300-1	BITUMINOUS MATERIAL (PRIME MIX) (40-60%)	GAL.	585,362	63,500
300-1A	BITUMINOUS-COATED SAND OR AGGREGATE (SURFACE COURSE)	TON	733	220
300-1B	BITUMINOUS-COATED SAND OR AGGREGATE (SURFACE COURSE)	TON	320	0
300-1C	TYP. I ASPHALTIC CONCRETE (1" THICK) (SURFACE COURSE)	SQ. YD.	61,667	10,501
300-1D	TYP. I ASPHALTIC CONCRETE SURFACE COURSE (1" THICK) WITH	TON	18,588	1,388
300-2	TYP. II ASPHALTIC CONCRETE	TON	2	2
300-1	CONCRETE APPROACH SLABS	EACH	0	2
400-1A	CONCRETE CURBS	CU. YD.	359	0
400-1B	CONCRETE CURBS	CU. YD.	211	0
400-1	CONCRETE CURBS	CU. YD.	2	216
400-1	CONCRETE CURBS	CU. YD.	60,274	0
400-1	CONCRETE CURBS	EACH	3	28
400-1	CONCRETE CURBS	EACH	30	30
400-2	CONCRETE CURBS	EACH	0	2
400-1	CONCRETE PIPE CULVERT (18") (STORM SEWER)	LIN. FT.	0	254
400-1	CONCRETE PIPE CULVERT (18") (STORM SEWER CROSSDRAIN)	LIN. FT.	1808	2508
400-1	CONCRETE PIPE CULVERT (18") (STORM SEWER CROSSDRAIN)	LIN. FT.	108	108
400-1	CONCRETE PIPE CULVERT (30") (STORM SEWER)	LIN. FT.	0	387
400-1	CONCRETE PIPE CULVERT (30") (STORM SEWER)	LIN. FT.	0	387
400-1	CONCRETE PIPE CULVERT (24") (STORM SEWER CROSSDRAIN)	LIN. FT.	1180	300
400-1	CONCRETE PIPE CULVERT (24") (STORM SEWER CROSSDRAIN)	LIN. FT.	988	0
400-1	CONCRETE PIPE CULVERT (24") (STORM SEWER CROSSDRAIN)	LIN. FT.	94	94
400-1	CONCRETE PIPE CULVERT (18") (SIDE DRAIN)	LIN. FT.	1276	1276
400-1	CONCRETE PIPE CULVERT (24") (SIDE DRAIN)	LIN. FT.	132	132
400-1	CONCRETE PIPE CULVERT (30") (SIDE DRAIN)	LIN. FT.	72	72
100-1	CONCRETE CURB AND GUTTER (6" CURB, 1.5" GUTTER)	LIN. FT.	1,030	11,713
100-2	CONCRETE CURB (TYPE A)	LIN. FT.	2,910	2,910
100-3	CONCRETE CURB (TYPE D)	LIN. FT.	252	252
100-4	CONCRETE SHOULDER GUTTER	LIN. FT.	1,024	1,024
100-5	CONCRETE TRAFFIC SEPARATOR (TYPE IX) (4" WIDE)	LIN. FT.	0	1,308
100-6	CONCRETE SIDEWALK (3" THICK)	SQ. YD.	1,500	1,500
100-7	CONCRETE DITCH PAVEMENT (3" THICK)	SQ. YD.	346	346
100-8	RIPPRAP (SAND-CEMENT)	CU. YD.	509	509
100-9	GRANULAR (ROADWAY)	LIN. FT.	2,322	2,322
100-1	RIGHT OF WAY MARKERS	EACH	30	116
100-1	MULCH MATERIAL	TON	311	311
100-2	PELLETIZE	TON	30	30
100-3	GRASSING	SQ. YD.	0	3,337
100-4	GRASSING AND MULCHING	SQ. YD.	316,806	316,806
100-5	GRASS SEED	ROUND	4871	104
100-6	RODDING	SQ. YD.	500	1,750
				2,250

FOR BRIDGE ITEMS AND QUANTITIES SEE BRIDGE PLANS.



ITEM NO. 20-1 includes approximately 28% of concrete traffic separator concrete drives concrete wall, concrete curb, and concrete curb & gutter.

ITEM NO. 20-1 includes 10 C.I. for miscellaneous construction as directed by the Engineer.

ITEM NO. 30-1 is a contingent item to be constructed as directed by the Engineer, if necessary.

ITEM NO. 30-1 includes 50 tons estimated for adjustments to existing drives, streets etc. on Job No. 09030-3508 and 75 tons estimated for adjustments to existing drives, streets and Roadside Park Sta. 34800 on Job No. 09030-3508 as directed by Engineer (100' per sq. yd.)

ITEM NO. 50-1 Estimated quantity for rip rapping fill slope Rt. of Sta. 3508100 to 3520+25 (less bridge) at Station Elevations 116.0 and 126.0, as directed by the Engineer.

TABULATION OF RESURFACING

STA. TO STA.	EXISTING PAV'T	WIDTH	ROADWAY	INTERS	AREA IN SQUARE YARDS						TOTAL
					PAVED TURNOUTS		UNPAVED TURNOUTS		TOTAL		
					TYPE I	TYPE II	TYPE I	TYPE II			
3277+00 TO 3313+83	R.O.A.C.	24'	63.05								63.05
3313+83 TO 3314+59	BRIDGE	28'	233								233
3314+59 TO 3328+44.39	R.O.A.C.	24'	3697								3697
TOTAL JOB NO. 09030-3509			67055								67161
3528+44.39 TO 3529+62.29	R.O.A.C.	24'	166								166
3529+62 TO 3532+00.79	R.O.A.C.	24'	917								917
TOTAL JOB NO. 09030-3509			6283								6283
GRAND TOTAL			73338								73424

BASIS OF ESTIMATE

RESURFACING: Item No. 300-1-S - .05 gal./sq. yd.

NEW CONSTRUCTION: Item No. 300-1-C - 0.02 gal./sq. yd.

Item No. 300-1-D - 0.04 gal./sq. yd.

Item No. 300-1-E - 0.16 lbs./sq. yd.

GENERAL STABILIZING NOTES

- Stabilize crossovers and intersections to public roads and streets to a Limerock Bearing Ratio of 10, 12" deep and 6" load at curb or to outer edge of shoulder.
- No stabilizing will be required for paved turnouts to private property.
- Stabilizing material may be required for unpaved turnouts to private property as directed by the Engineer, in accordance with Section 102-2, of the Standard Specifications.
- Stabilize to a Limerock Bearing Ratio of 10, 12" deep for graded connections to public roads and streets unless otherwise shown on plans.

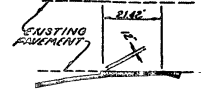
ESTIMATE OF TURNOUTS AND SIDE DRAIN ENDS

Pavement = 1.200 S.Y.
 6" Pipe = 152.77
 18" Pipe = 1276.77

EXTRA QUANTITIES

Surface	72.15 Tons
Base	468 S.Y.
Stabilizing	357 S.Y.
Median Curbs (Type A)	112 LF

Note: Crossover Sta. 3278+56.88 481.5' Surface



Detail of Median Curb at Connection to Existing Pavement

REV. NO.	DATE	BY	CHKD.
0			

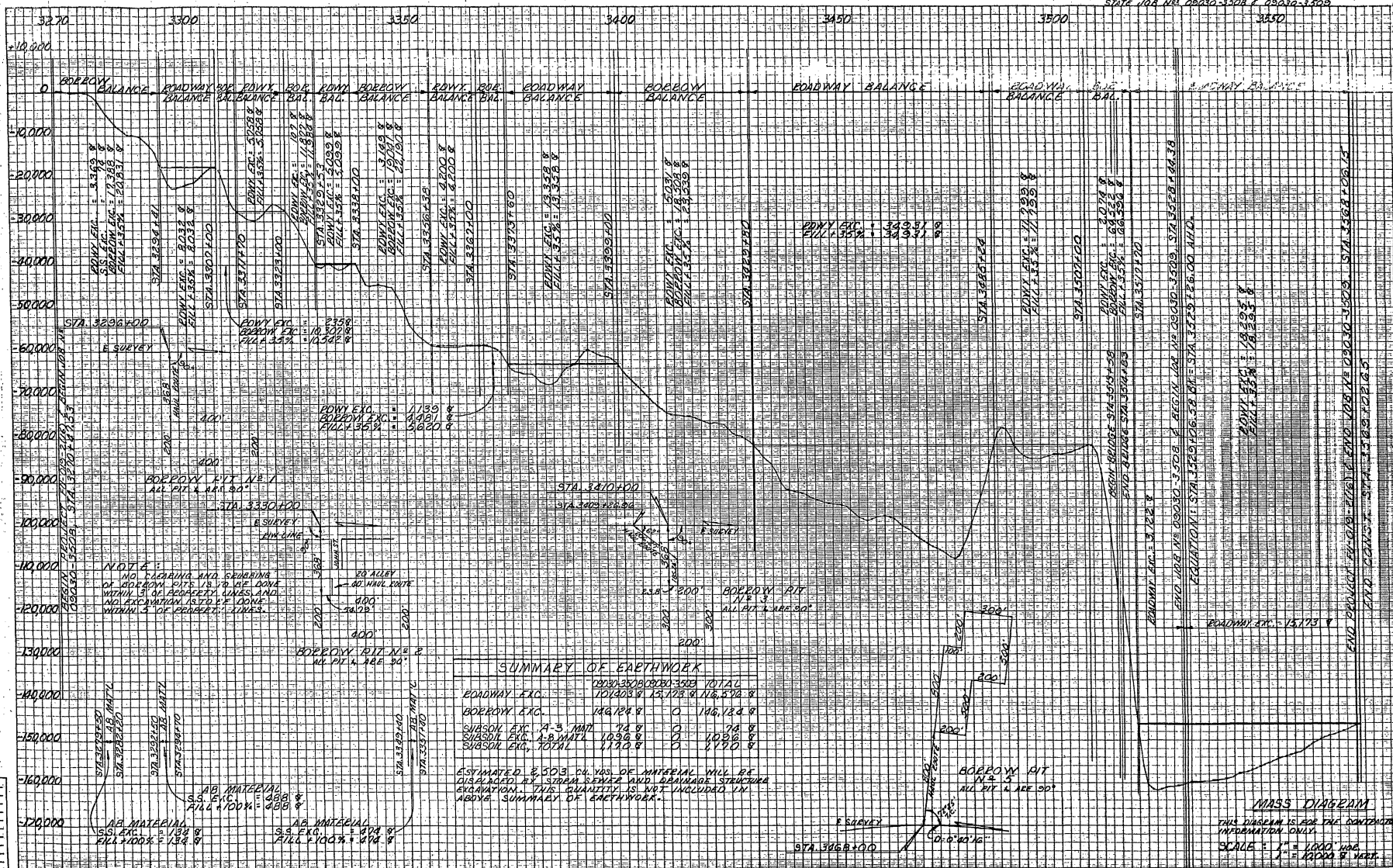
STATE JOB NO. 09030-3508
 09030-3509

REVISED 5-29-66

CROSS SECTIONS

Scale: 1" = 40'

File No.	State	County	Route	Proj. No.	Sheet No.
108	FL	HIGHLANDS	215	FD-215-2100	7
STATE JOB NO. 00030-3508 (00030-3500)					



SUMMARY OF EARTHWORK

0000	3500	0000	3500	TOTAL
ROADWAY EXC.	101403.9	15,173.9	116,576.8	
BORROW EXC.	146128.9	0	146,128.9	
SUBSOIL EXC. 1'-3" MAT.	74.9	0	74.9	
SUBSOIL EXC. 1'-8" MAT.	1096.9	0	1096.9	
SUBSOIL EXC. TOTAL	1170.8	0	1170.8	

ESTIMATED 8,303 CU. YDS. OF MATERIAL WILL BE DISPLACED BY STRIPES, SIGNS AND DRAINAGE STRUCTURE EXCAVATION. THIS QUANTITY IS NOT INCLUDED IN ABOVE SUMMARY OF EARTHWORK.

MASS DIAGRAM
 THIS DIAGRAM IS FOR THE CONTRACTOR'S INFORMATION ONLY.
 SCALE: 1" = 1000' VERT.
 1" = 10000' HORIZ.

N.O.T.E.:
 NO CARBING AND SHORING OF BORROW PITS IS TO BE DONE WITHIN 3' OF PROPERTY LINES AND NO EXCAVATION IS TO BE DONE WITHIN 3' OF PROPERTY LINES.

AB MATERIAL
 S.S. EXC. = 488.9
 FILL 100% = 888.9

AB MATERIAL
 S.S. EXC. = 404.9
 FILL 100% = 404.9

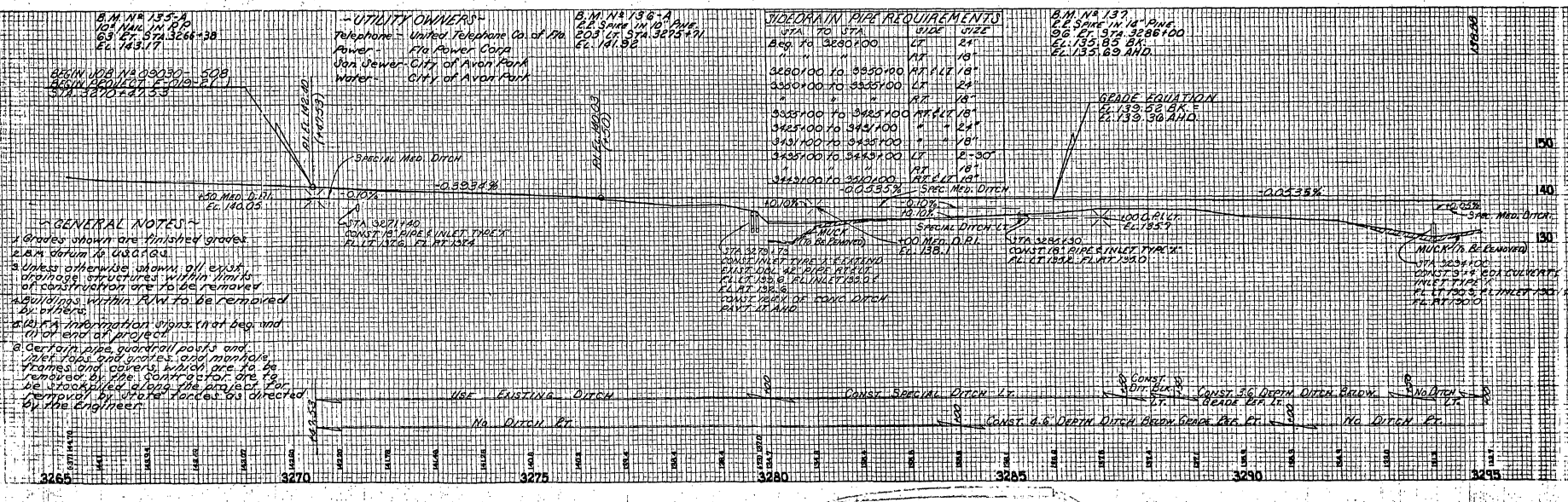
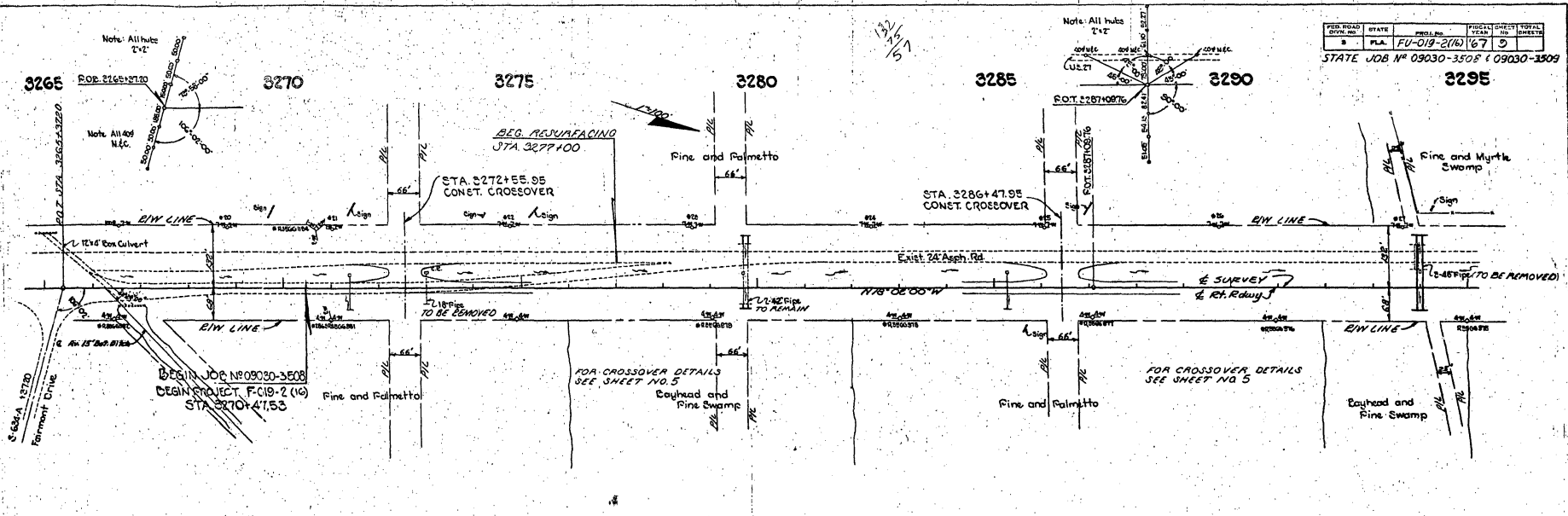
END ROADWAY 3400+00
 END BORROW PIT 3400+00
 END PROPERTY LINE 3400+00
 END BORROW PIT 3400+00
 END ROADWAY 3400+00

CROSS SECTIONS

File No.	State	County	Route	Proj. No.	Sheet No.
25	ILLINOIS	DECATUR	75	100-018-101	5



BACK OF SIDEWALK PROFILES
LT
RT
AT
BACK OF SIDEWALK IS .43' BELOW
GRADE REFERENCE POINT.
SCALE 1" = 5' VERT.
1" = 100' HOR.



GENERAL NOTES

- Grades shown are finished grades.
- As shown on this sheet.
- Unless otherwise shown, all existing structures and grades within limits of construction are to be removed.
- Buildings within R.W. to be removed by others.
- Setback information signs (not beg. and end of project).
- Certain pipe, guardrail, posts and other structures within limits of construction are to be removed by the contractor or are to be installed along the limits of construction by state forces as directed by the Engineer.

UTILITY OWNERS

Telephone - United Telephone Co. of Fla.
 Power - Fla. Power Corp.
 San Sewer - City of Avon Park
 Water - City of Avon Park

B.M. No 135-A
 10' NAIL IN RP
 63' ST. STA. 3265+38
 EL. 143.17

B.M. No 137
 6" SPAN IN 16" PIPE
 96' ST. STA. 3288+100
 EL. 135.85 BK.
 EL. 135.89 AND

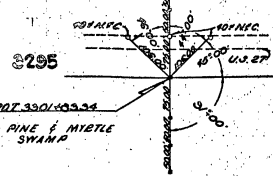
USE EXISTING DITCH
 NO DITCH PT.

CONST. SPECIAL DITCH 1/2"

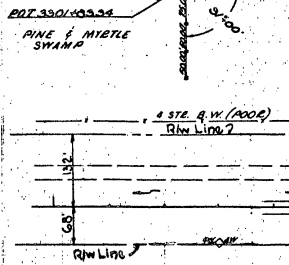
CONST. 8" DEPTH DITCH BELOW GRADE 1/2" FT.

NO DITCH PT.

NOTE: ALL HUBS ARE 2'-6"



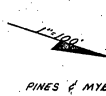
3295 3300



PINE & MYRTLE SWAMP

PINES & SCREUB OAKS

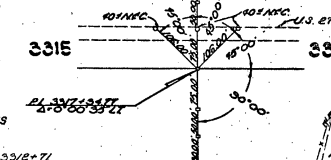
3305



3310

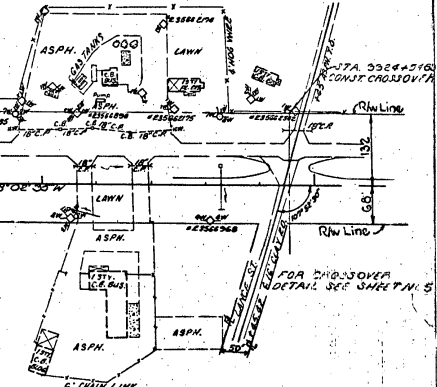
PINES & MYRTLES

NOTE: ALL HUBS ARE 2'-6"



3315

OAKS & MYRTLES

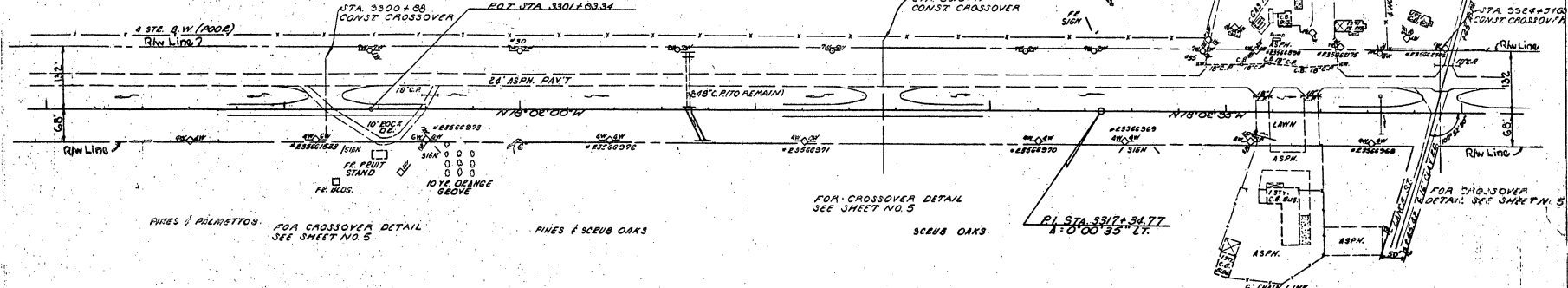


3320

3325

FED. ROAD DIST. NO.	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
8	FLA.	FL-019-2(16)	67	10

STATE JOB NO 09030-3308 & 09030-3309



PINES & PALMETTO

FOA CROSSOVER DETAIL SEE SHEET NO. 5

PINES & SCREUB OAKS

SCREUB OAKS

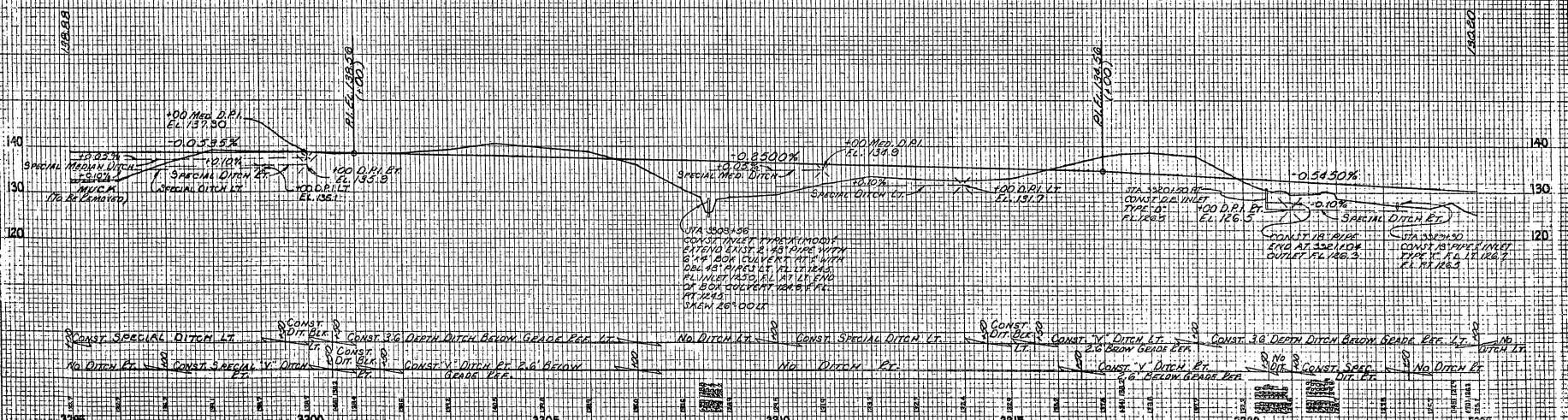
FOA CROSSOVER DETAIL SEE SHEET NO. 5

PI STA 3317+34.77
4:0'00" 35' LT.

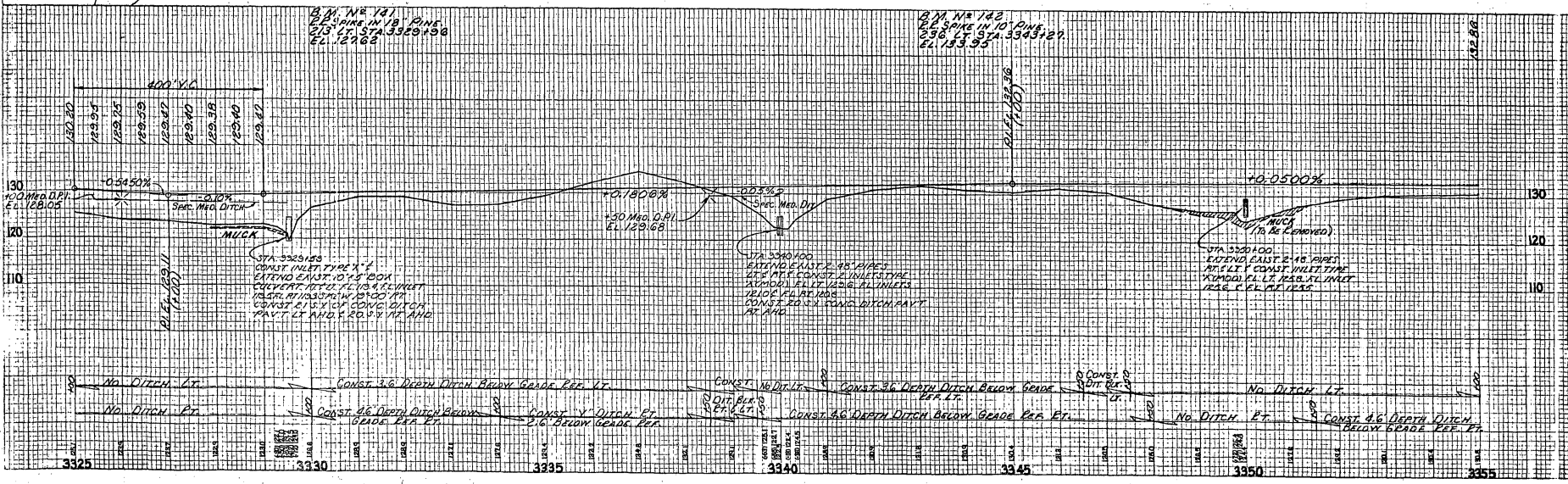
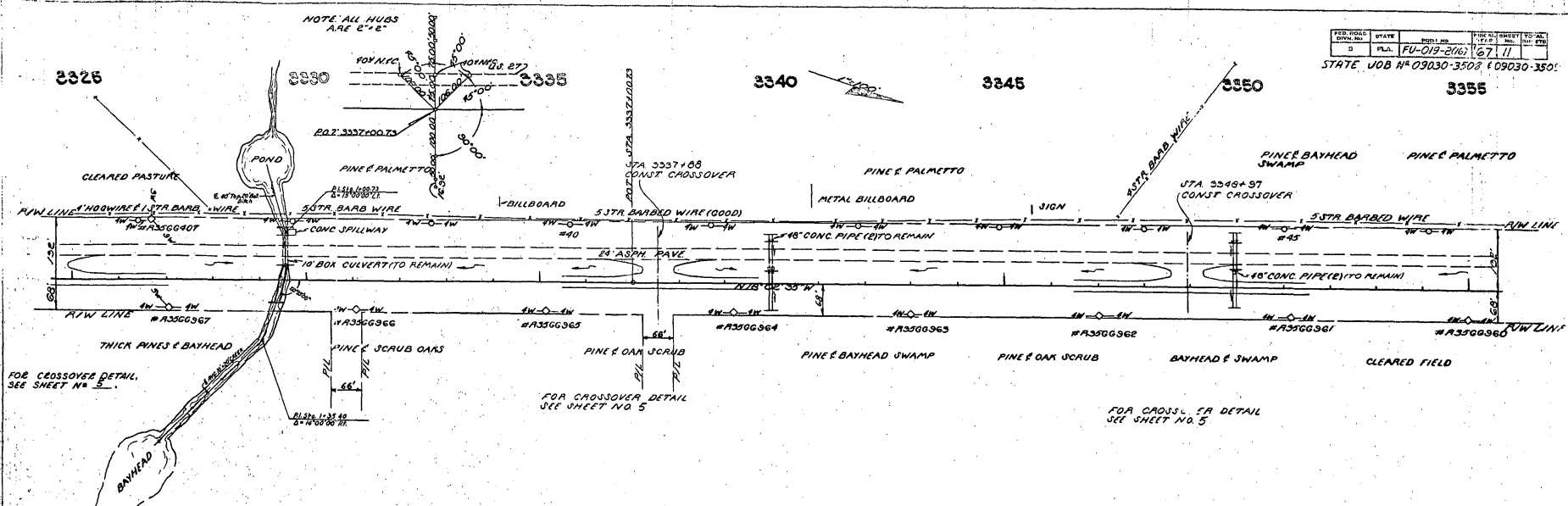
B.M. No 138
P.P. SPARK IN 18" PINE
186' LT. STA. 3296+37
EL. 137.07

B.M. No 139
P.P. SPARK IN 12" PINE
167' LT. STA. 3308+19
EL. 138.42

B.M. No 140-A
P.P. SPARK IN 8" PINE
127' LT. STA. 3318+16
EL. 140.36



3295 3300 3305 3310 3315 3320 3325



NOTE ALL HUBS
ARE 2" x 2"

FOR CROSSOVER DETAIL,
SEE SHEET NO. 5

FOR CROSSOVER DETAIL
SEE SHEET NO. 5

FOR CROSSOVER DETAIL
SEE SHEET NO. 5

B.M. No. 171
1.5" PINE IN 10' PINE
E.L. 127.65
E.L. 127.65

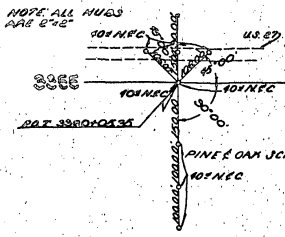
B.M. No. 172
1.5" PINE IN 10' PINE
E.L. 127.65
E.L. 127.65

JTA 3329+25
CONST. INLET PIPE 18"
EXTEND EAST TO 10' PINE
CULVERT 10' LT. 10' 1/4" INLET
VALVE AT 10' 1/4" INLET
CONST. 18" DIA. DITCH
PART LT. AND 1/20.5% RT. AND

JTA 3340+00
EXTEND EAST 2.48' PIPES
18" x 18" CONST. INLET PIPE
10' 1/4" INLET
CONST. 18" DIA. DITCH
PART LT. AND

JTA 3340+00
EXTEND EAST 2.18' PIPES
18" x 18" CONST. INLET PIPE
10' 1/4" INLET
CONST. 18" DIA. DITCH
PART LT. AND

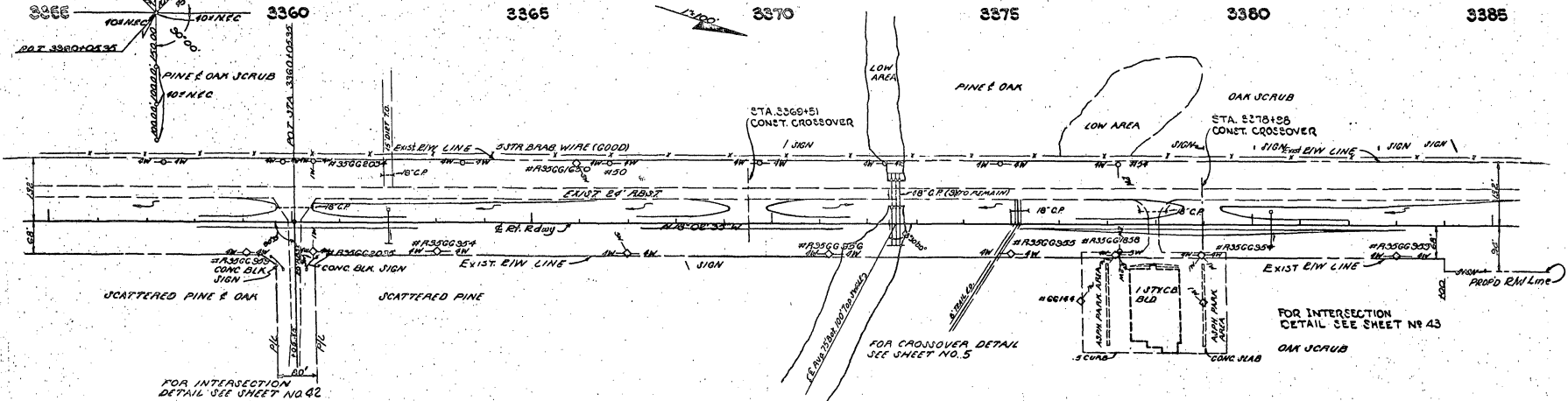
3325	3330	3335	3340	3345	3350	3355
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FED. ROAD DIST. NO.	STATE	PROJ. NO.	PROJECT YEAR	SHEET NO.	TOTAL SHEETS
9	FLA.	FU-019-2(6)	67	12	

STATE JOB NO. 09030-3508 109030-3509

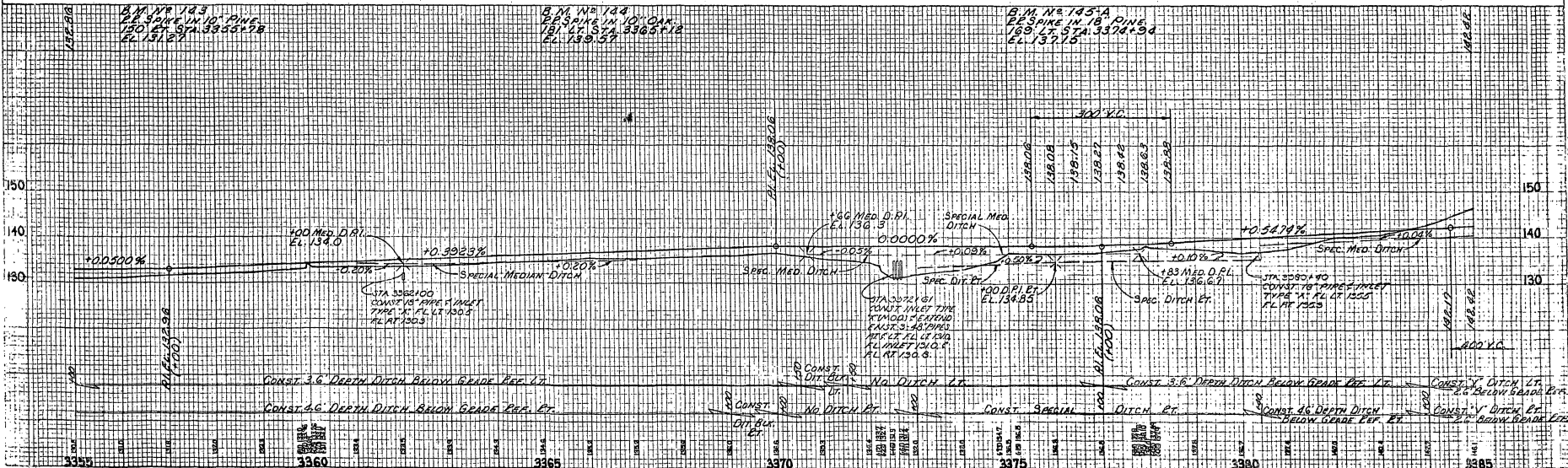
3385



B.M. NO. 143
 150' PINE
 STA. 3355+28
 EL. 131.27

B.M. NO. 144
 150' PINE
 STA. 3365+12
 EL. 135.57

B.M. NO. 145-A
 150' PINE
 STA. 3371+34
 EL. 137.75

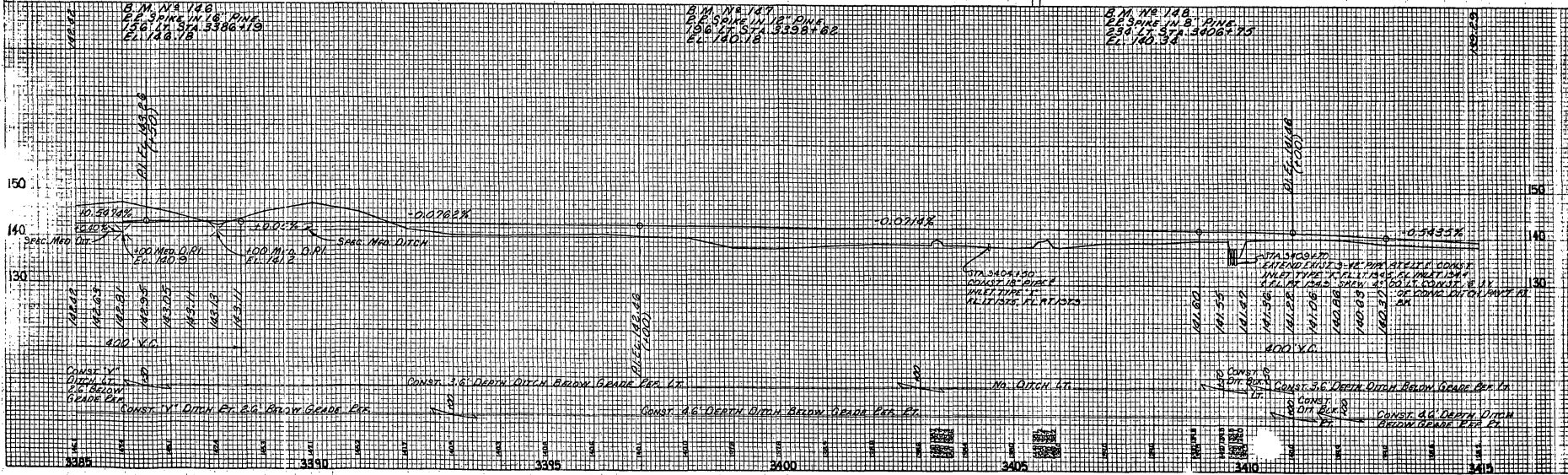
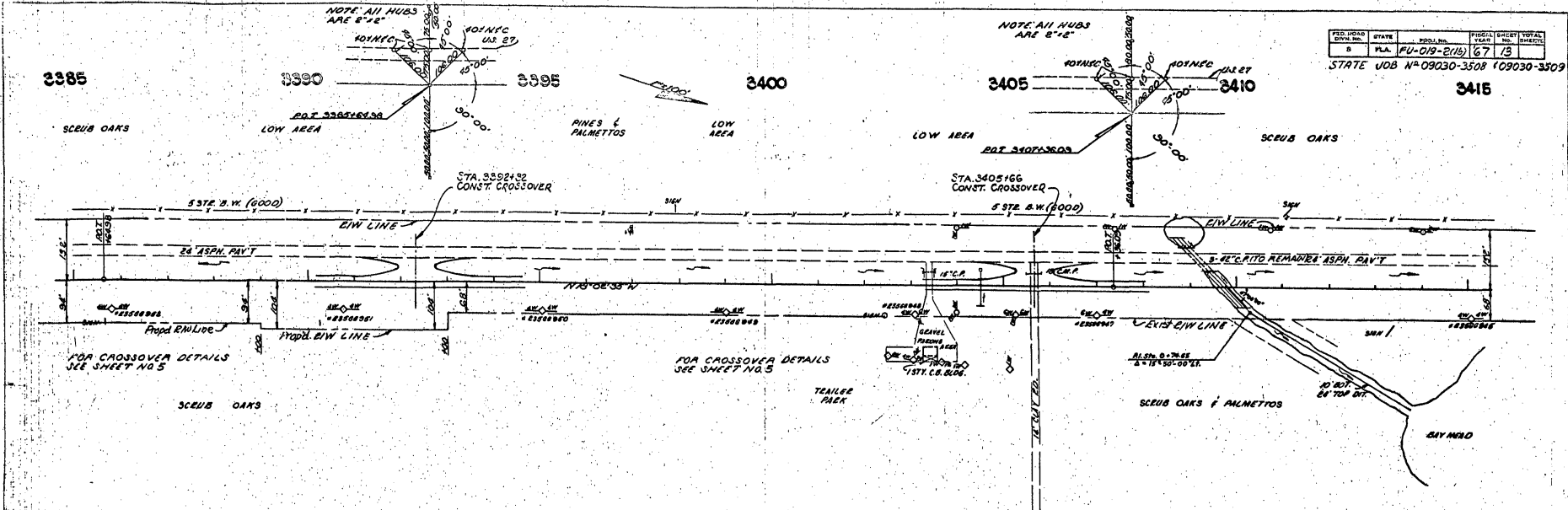


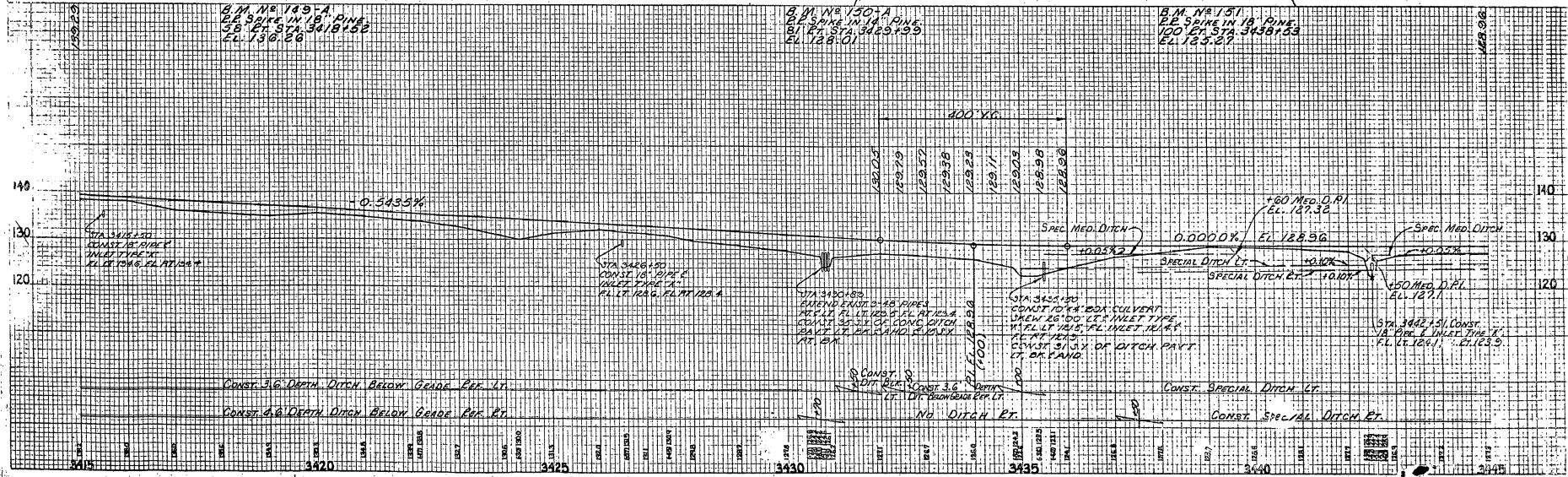
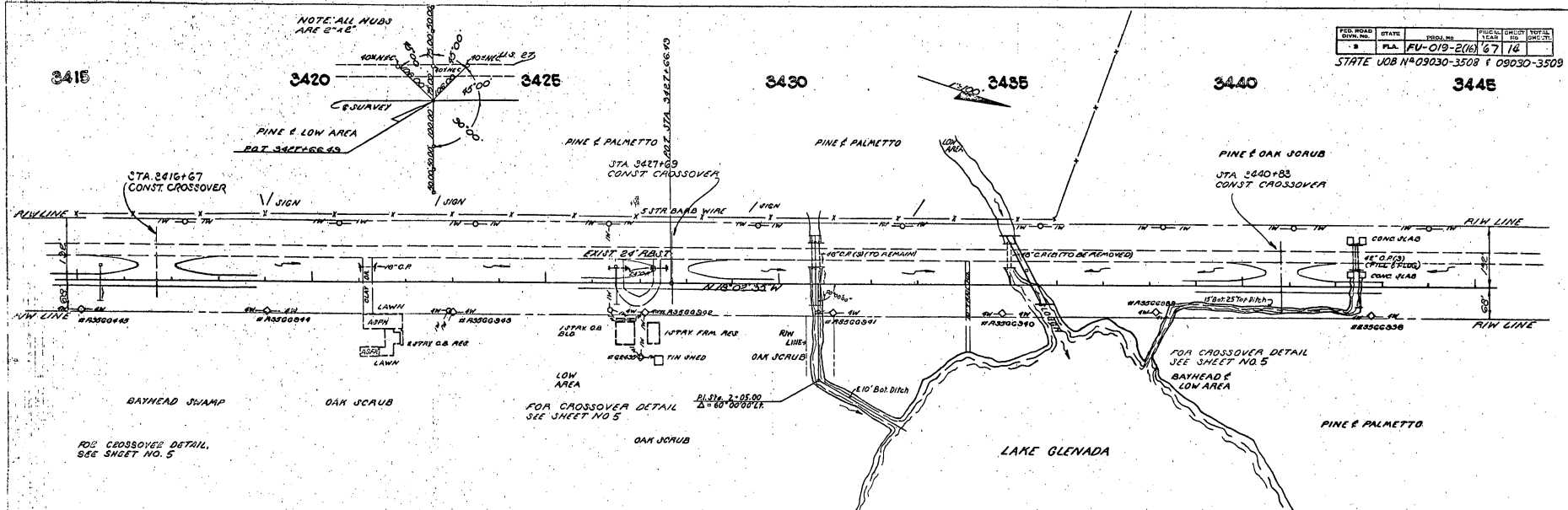
3355	3360	3365	3370	3375	3380	3385
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FED. ROAD DIST. NO.	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
8	FLA.	PU-019-2(15)	67	13

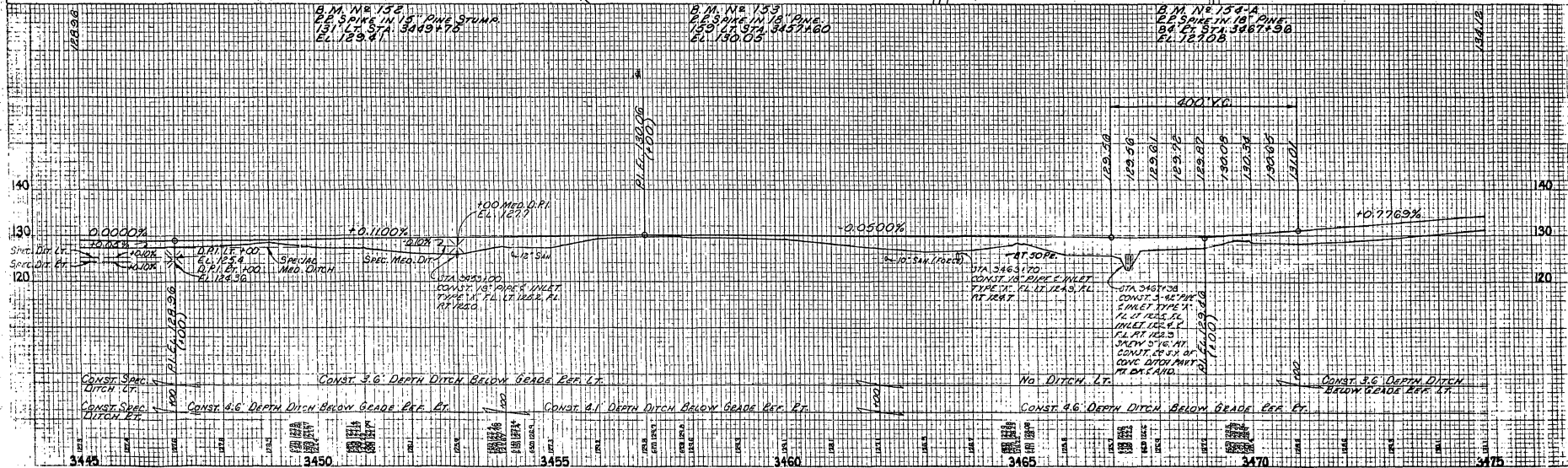
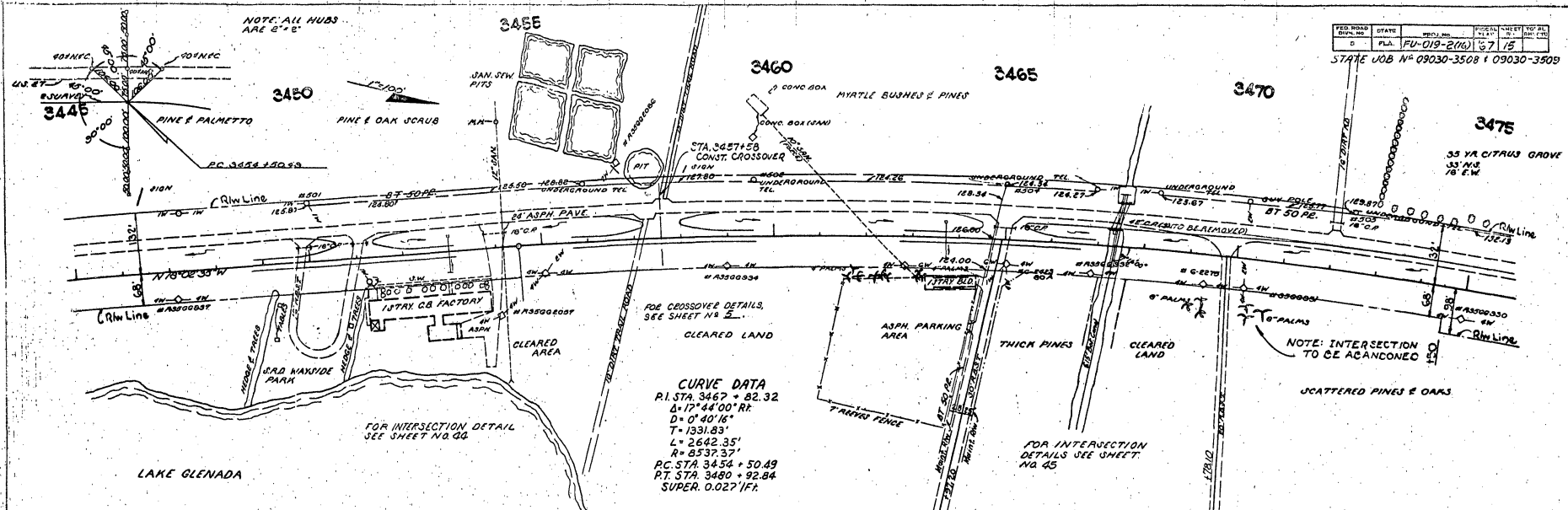
STATE JOB NO 09030-3509 109030-3509

3415





STATION	3415	3420	3425	3430	3435	3440	3445
TYPE	ROAD	ROAD	ROAD	ROAD	ROAD	ROAD	ROAD
WIDTH	40'	40'	40'	40'	40'	40'	40'
DEPTH							
GRADE							
CONCRETE							
ASPHALT							
GRAVEL							
SOIL							
UTILITIES							
MARKERS							
VEGETATION							
ADDITIONAL							
REMARKS							



3445 3450 3455 3460 3465 3470 3475

3475

3480

3485

3490

3495

3500

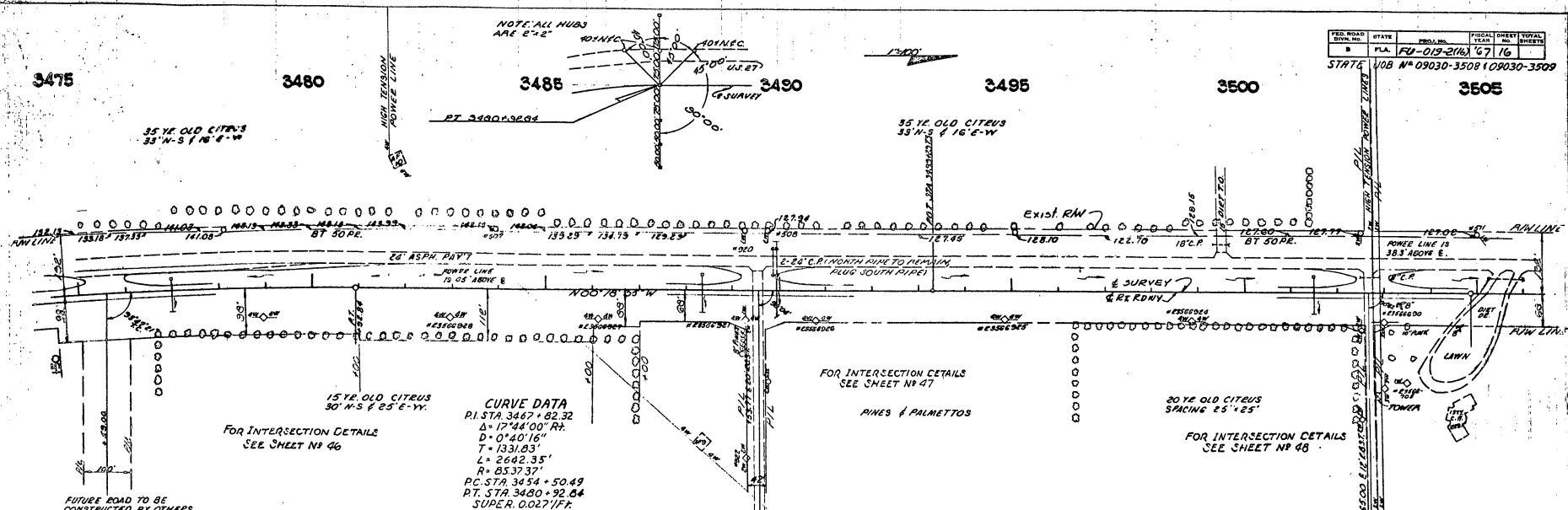
3505

35 YR. OLD CITRUS
33' N-S & 16' E-W

35 YR. OLD CITRUS
33' N-S & 16' E-W

NOTE: ALL HUBS
ARE 8" x 2"

FED. ROAD DIST. NO.	STATE	FED. PROJ. NO.	FISCAL YEAR	TOTAL SHEETS
8	FLA.	FU-019-216	'67	16
START		JOB NO. 09030-3508 (09030-3509)		



FOR INTERSECTION DETAILS
SEE SHEET NO 46

CURVE DATA
 PI STA 3467+82.32
 $\Delta = 17^{\circ}54'00"$ RH
 $D = 0^{\circ}40'16"$
 $T = 1331.83'$
 $L = 2642.35'$
 $R = 8537.37'$
 PC STA 3434+50.49
 PT STA 3480+92.84
 SUPER. 0.027'/FT.

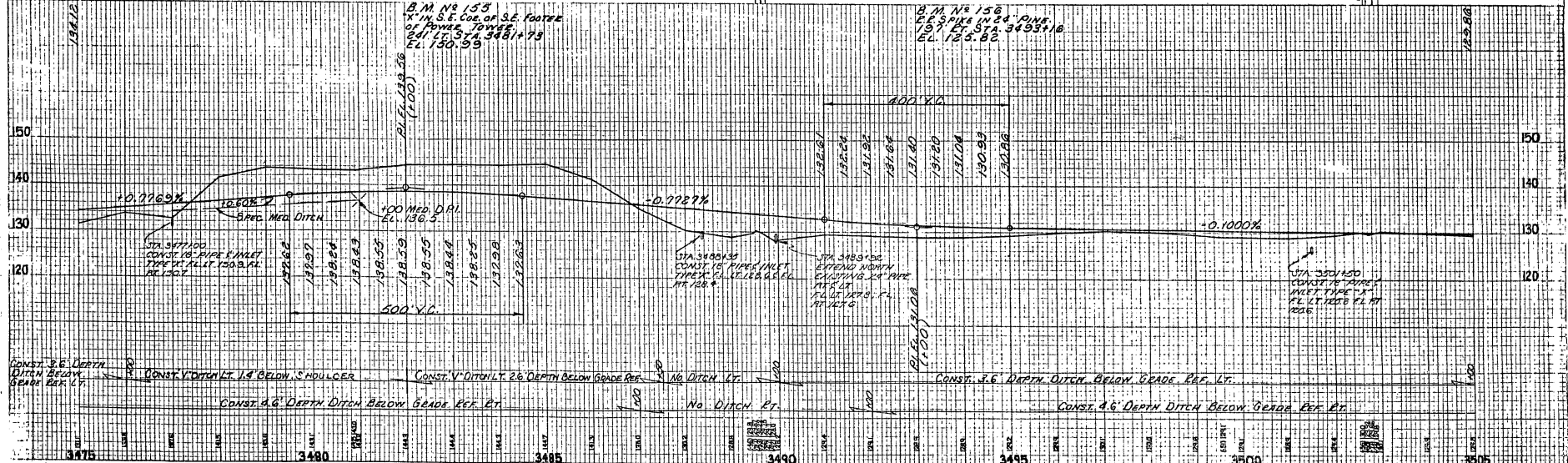
FOR INTERSECTION DETAILS
SEE SHEET NO 47

FOR INTERSECTION DETAILS
SEE SHEET NO 48

FUTURE ROAD TO BE
CONSTRUCTED BY OTHERS.

B.M. No 153
 1" N-S & E COR. OF S.E. FOOTER
 OF POWER TOWER
 EL. 125.54 STA 3481+79
 EL. 120.95

B.M. No 158
 1" S-PK 14" DIA. PIPE
 157' E. STA 3493+18
 EL. 125.82



3475	3480	3485	3490	3495	3500	3505
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3505

CURVE DATA
 AH STA. 3506+85.00
 A: 0'10" 01"
 T: 157.70'
 L: 370.31'
 E: 34,320.48'
 AC STA. 3506+06.64
 PC STA. 3500+06.01
 NO SUPER.

3510

NOTE: ALL HUBS ARE E"2"E

3520

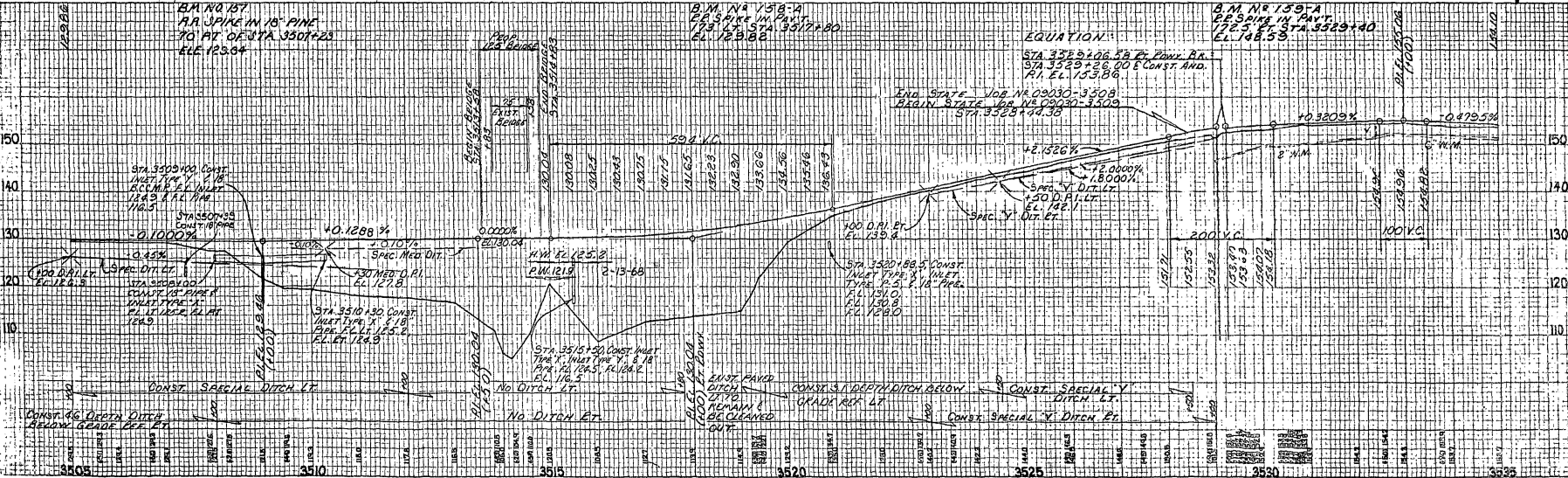
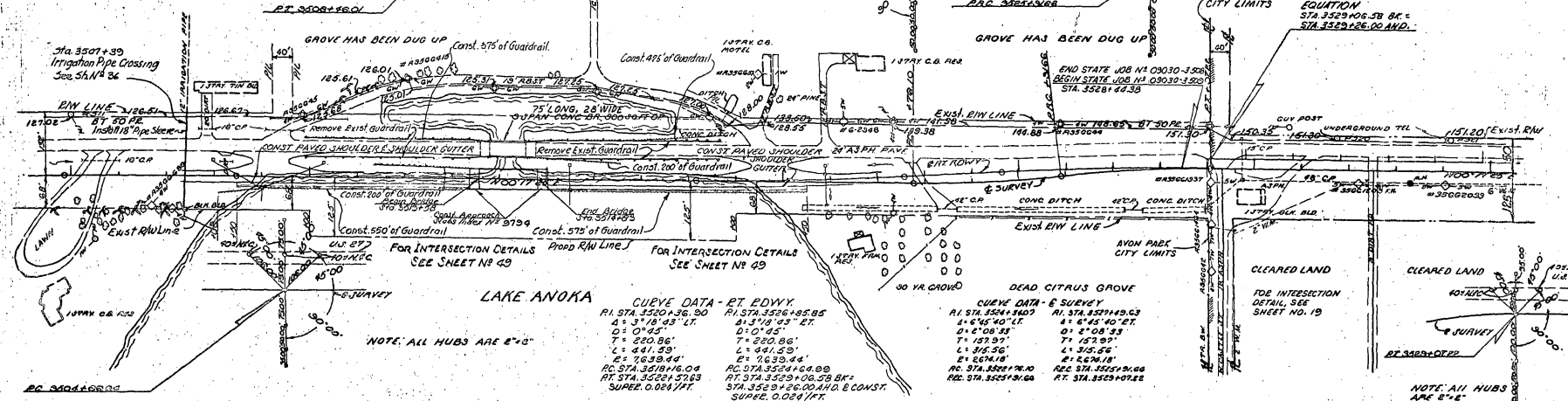
NOTE: ALL HUBS ARE E"2"E

3525

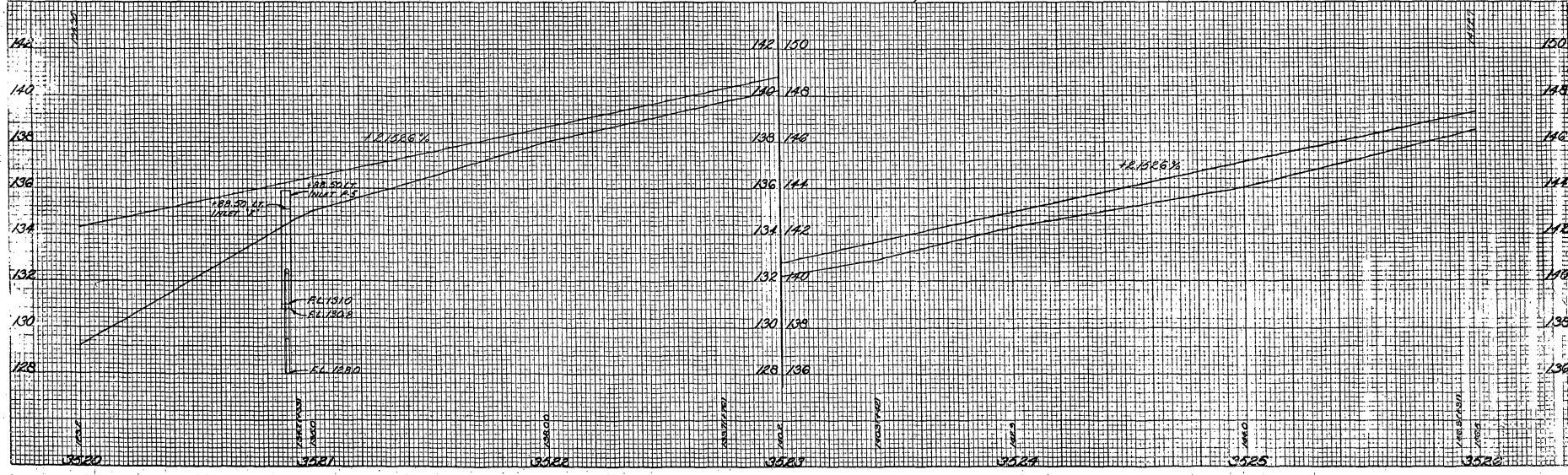
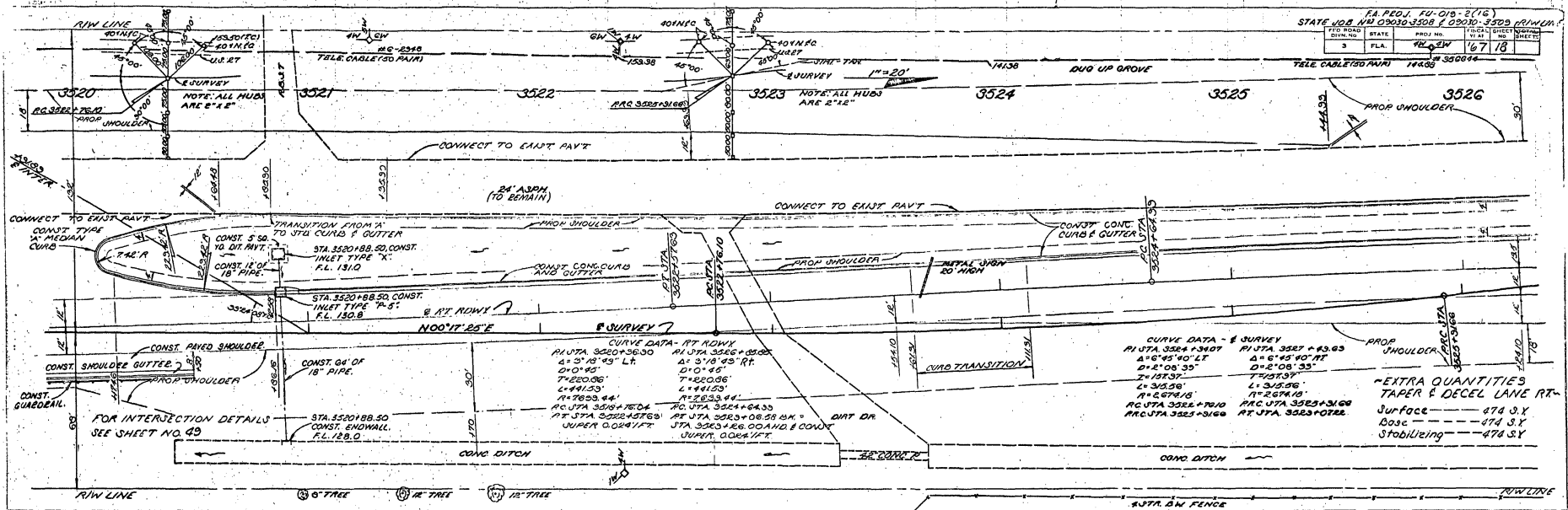
3530

NOTE: ALL HUBS ARE E"2"E

JOB NO.	DATE	SCALE	PLAT	BY	CHKD	DATE
108 N.M.	05030-3508 E	05030-3508	FU-019-2(15)	67	17	



3505 3510 3515 3520 3525 3530 3535

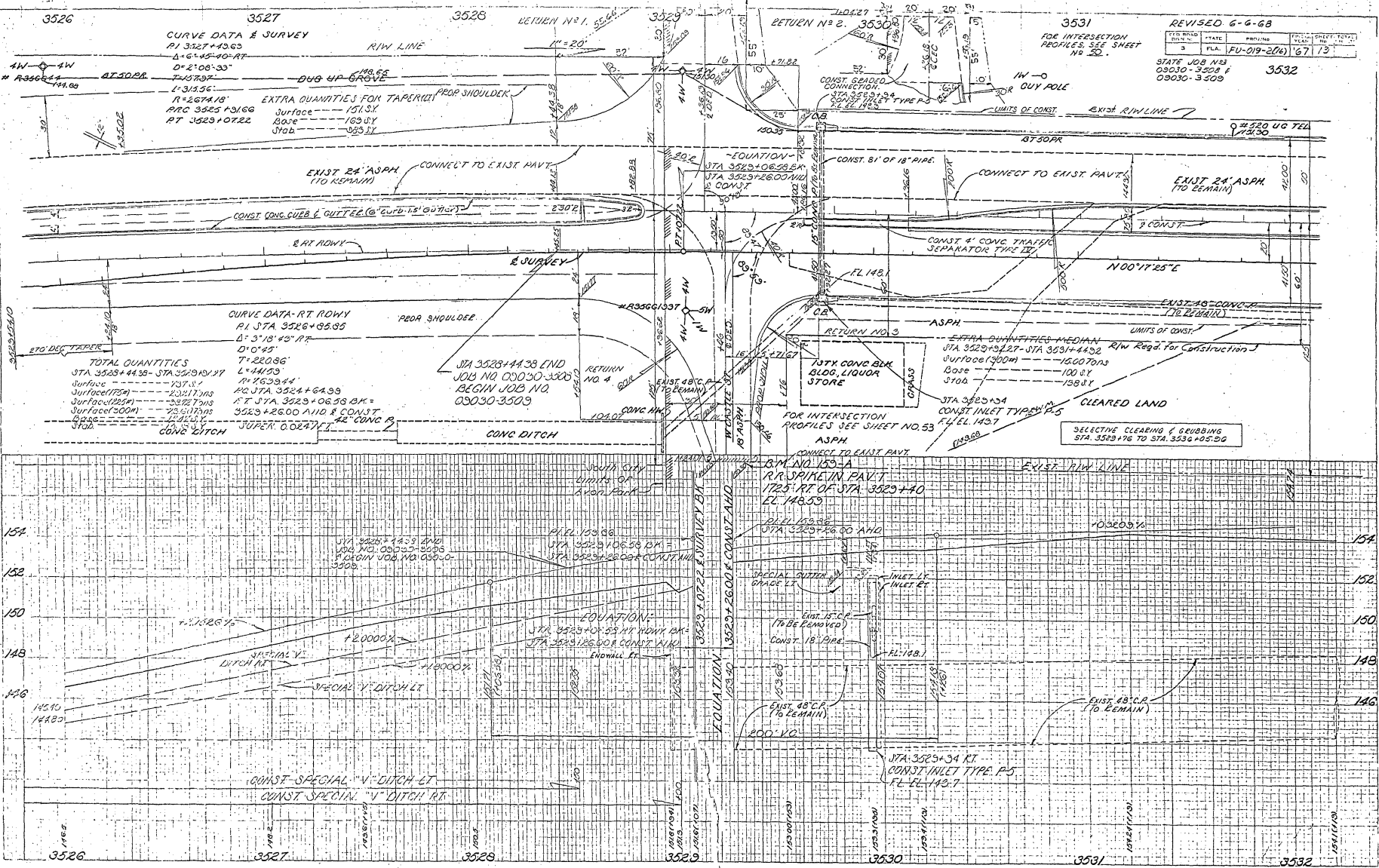


CURVE DATA - RT ROW

STATION	ANGLE	LENGTH	PI
STA 3520+30.00	2° 3' 43" LR	7520.00'	1191.53'
STA 3520+85.00	2° 0' 45" LR	800.00'	1172.20'
STA 3521+00.00	2° 0' 45" LR	800.00'	1172.20'
STA 3521+55.00	2° 0' 45" LR	800.00'	1172.20'
STA 3522+00.00	2° 0' 45" LR	800.00'	1172.20'

CURVE DATA - SURVEY

STATION	ANGLE	LENGTH	PI
STA 3524+34.07	6° 45' 40" LR	312.00'	3524.34
STA 3527+33.00	6° 45' 40" LR	312.00'	3527.33



CURVE DATA & SURVEY
 RI 3527+43.63
 $\Delta = 6^{\circ}45'40''$ RT
 $D = 2^{\circ}08'33''$
 $L = 314.35'$
 $R = 4674.18'$
 ARC STA 3525+31.66
 RT 3523+07.22

EXTRA QUANTITIES FOR TAPERED
 Surface 151.5 Y
 Base 163.5 Y
 Sub 158.5 Y

CURVE DATA - RT ROW
 RI STA 3526+85.85
 $\Delta = 3^{\circ}13'45''$ RT
 $D = 0^{\circ}45'$
 $L = 220.56'$
 $R = 4633.44'$
 ARC STA 3524+64.99
 RT STA 3523+06.28 BK =
 3523+26.00 AHD & CONST
 SUPER 0.0247 Y

TOTAL QUANTITIES
 STA 3528+44.35 - STA 3529+15.17
 Surface 737.5 Y
 Surface (75%) 2317.0 Y
 Surface (25%) 2317.0 Y
 Surface (200M) 7317.0 Y
 Base 7145.5 Y
 Sub 7145.5 Y

STA 3528+44.38 END
 JOB NO 09030-3509
 BEGIN JOB NO
 09030-3509

3531
 FOR INTERSECTION
 PROFILES, SEE SHEET
 NO 50.

REVISED 6-6-68

FILE NO.	STATE	PROJECT	SHEET NO.
3	FLA.	FU-019-2(16)	67

STATE JOB NOS
 09030-3508 &
 09030-3509

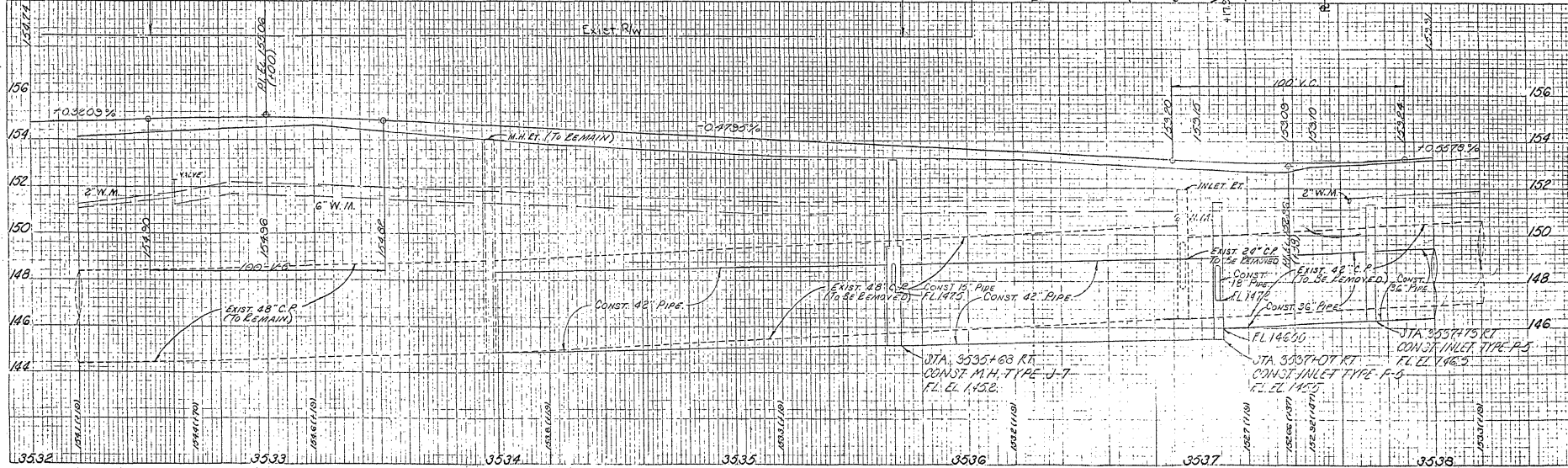
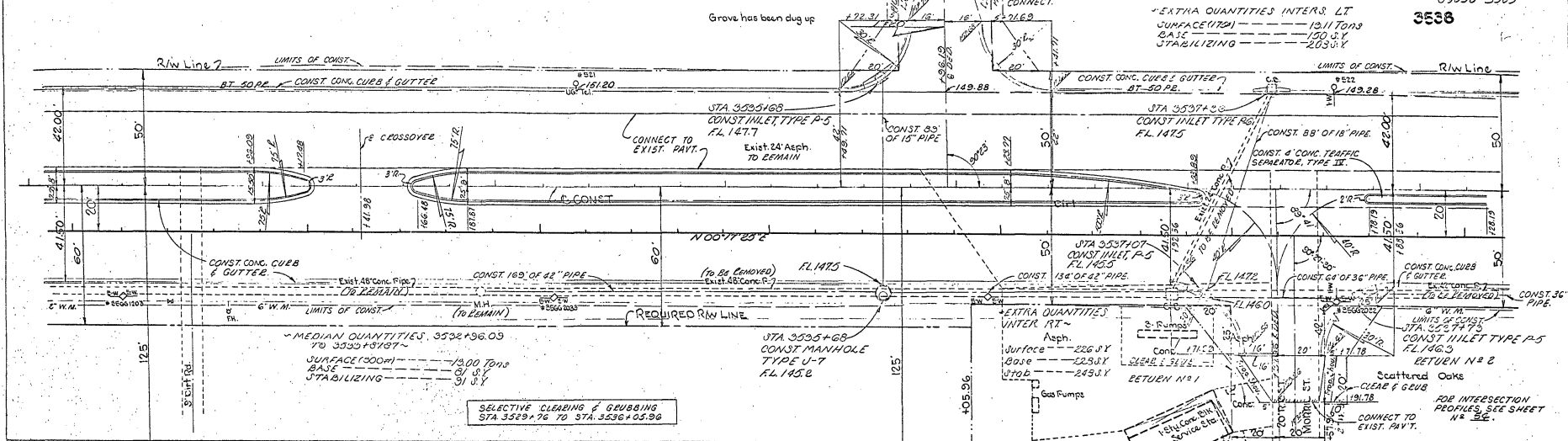
3532

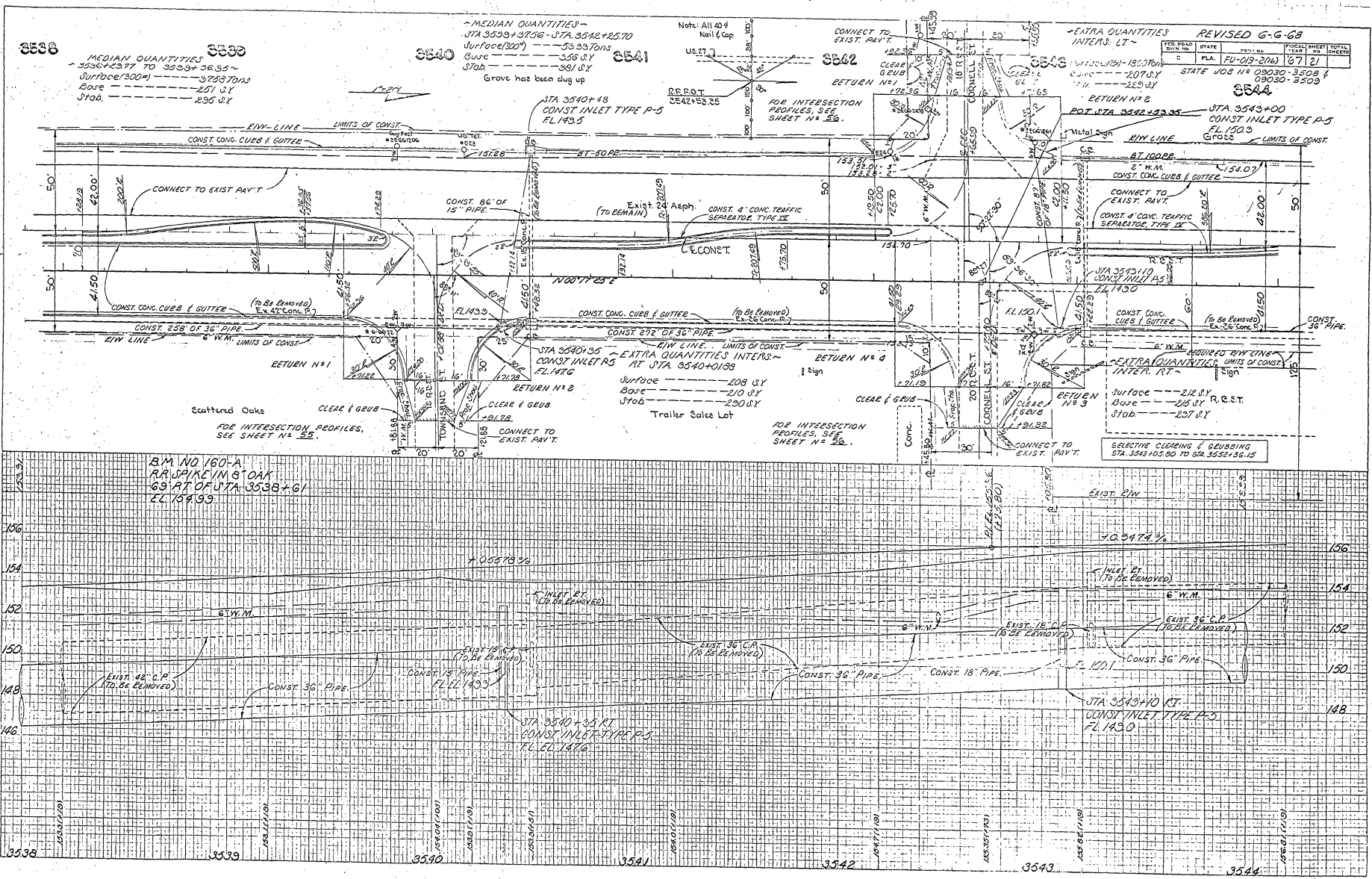
FOR INTERSECTION
 PROFILES SEE SHEET NO. 53

SELECTIVE CLEARING & GRUBBING
 STA. 3529+176 TO STA. 3536+05.90

EQUATION:
 STA 3523+06.28 RT ROW BK
 STA 3523+26.00 AHD & CONST
 ENDWALL RT

STA 3523+34 RT
 CONST INLET TYPE P.5
 FL EL 143.7





3538
 MEDIAN QUANTITIES
 STA 3538+23.77 TO 3538+36.95
 Surface(300) --- 275.8 TONS
 Base --- 257 S.Y
 Stab. --- 235 S.Y

3540
 MEDIAN QUANTITIES
 STA 3539+37.56 - STA 3542+25.70
 Surface(300) --- 53.23 TONS
 Base --- 356 S.Y
 Stab. --- 381 S.Y
 Grove has been dug up

REVISED 6-6-68

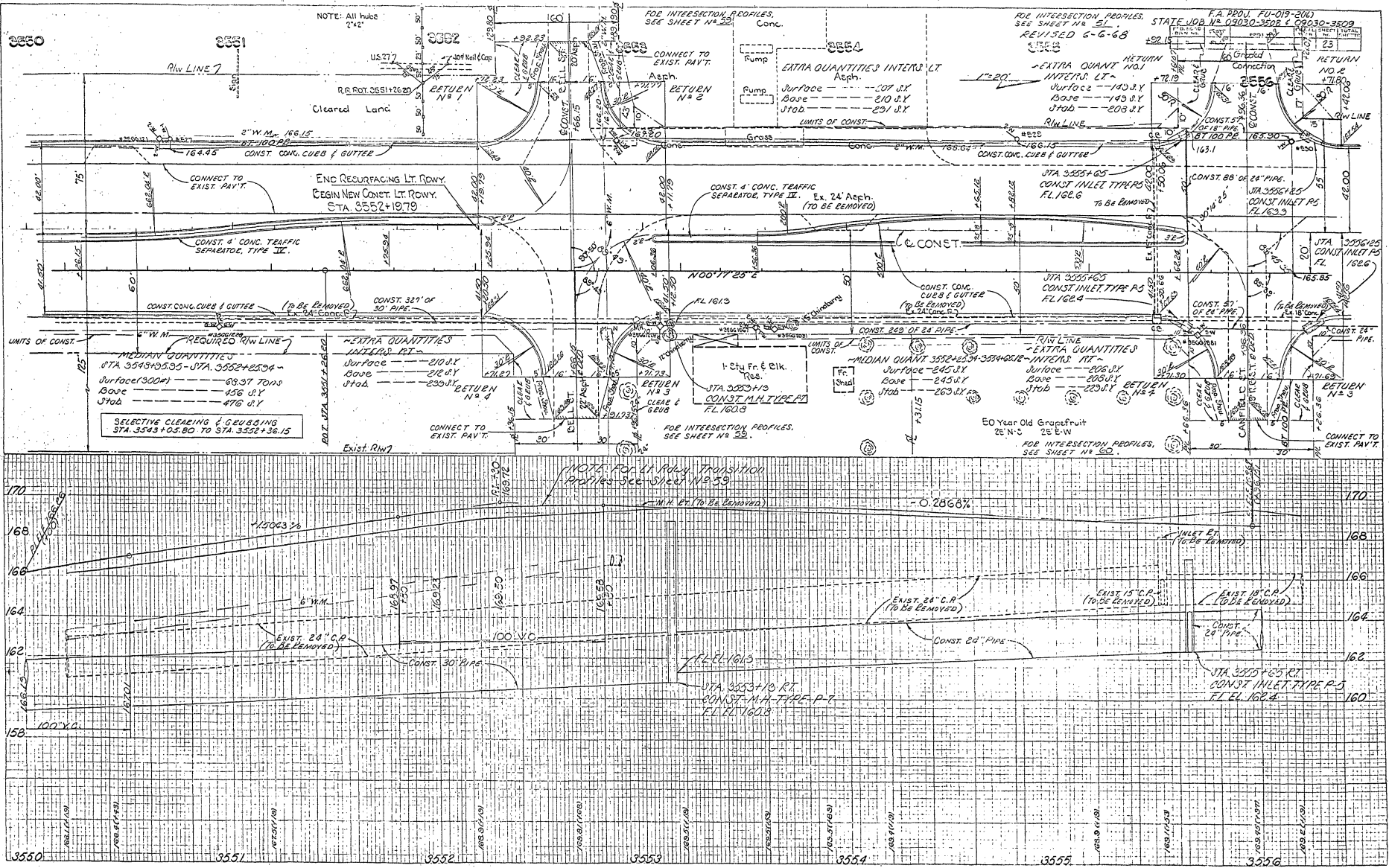
NO.	DATE	BY	CHECKED	TOTAL SHEETS
1	6-6-68			17
2				21

STATE JOB NO. 09030-3508 & 09030-3509

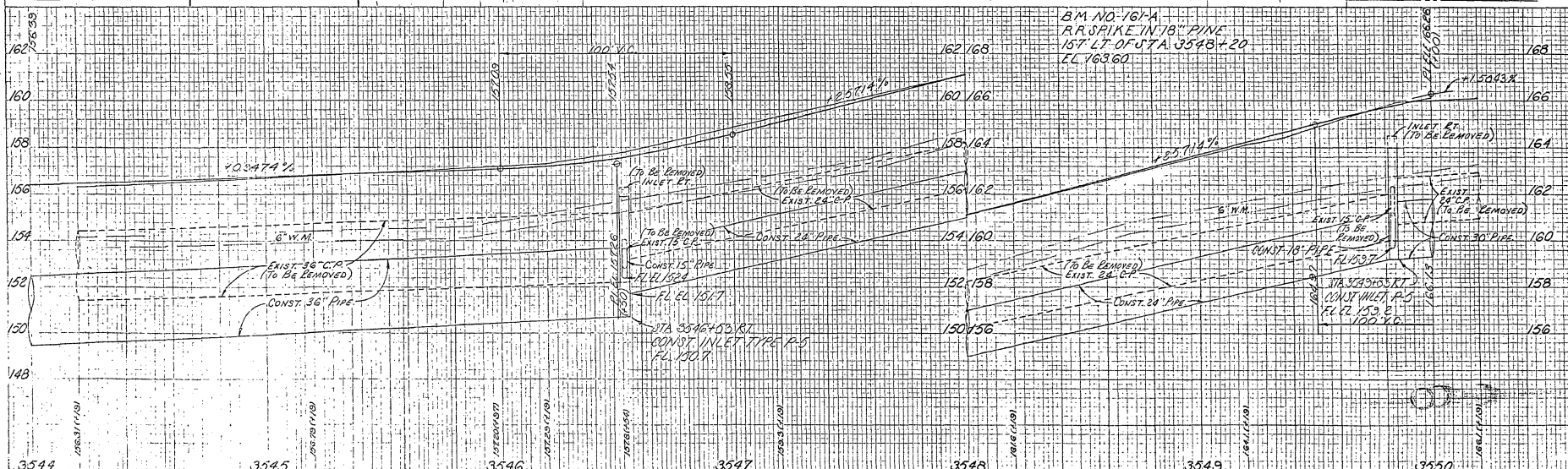
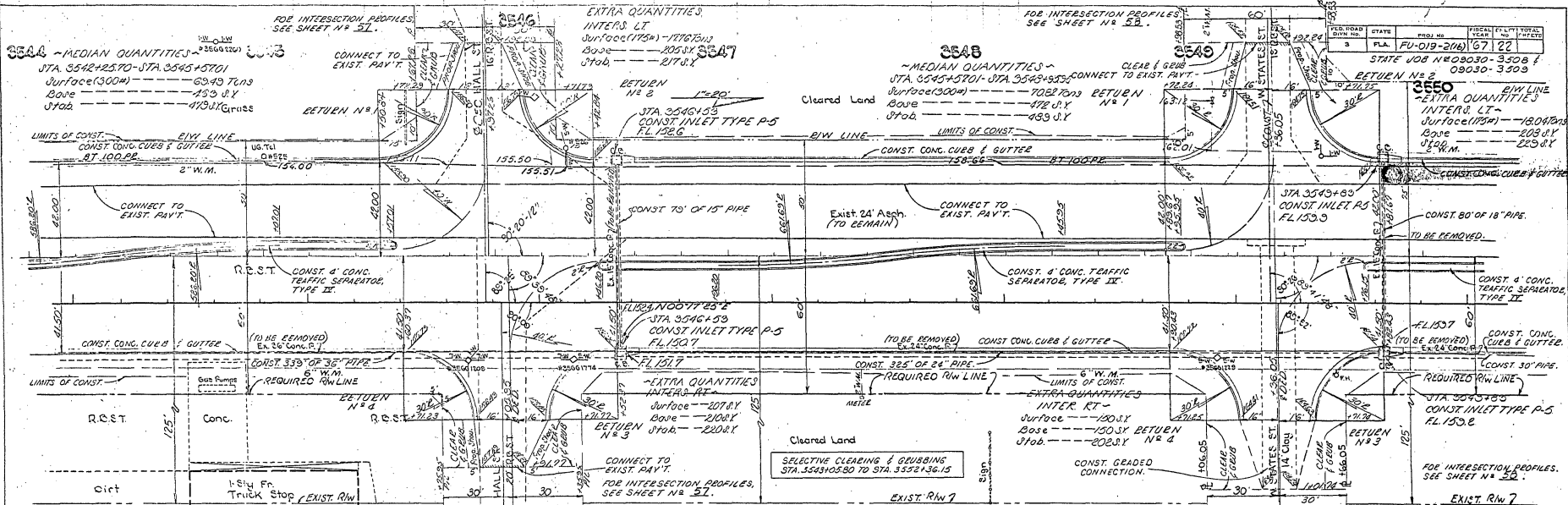
BM NO 160-A
 RR SPIKE IN S OAK
 63 FT OF STA 3538+61
 EL 134.93

EXTRA QUANTITIES INTERS.
 AT STA 3540+01.88
 Surface --- 208 S.Y
 Base --- 210 S.Y
 Stab --- 200 S.Y
 Trailer Sales Lot

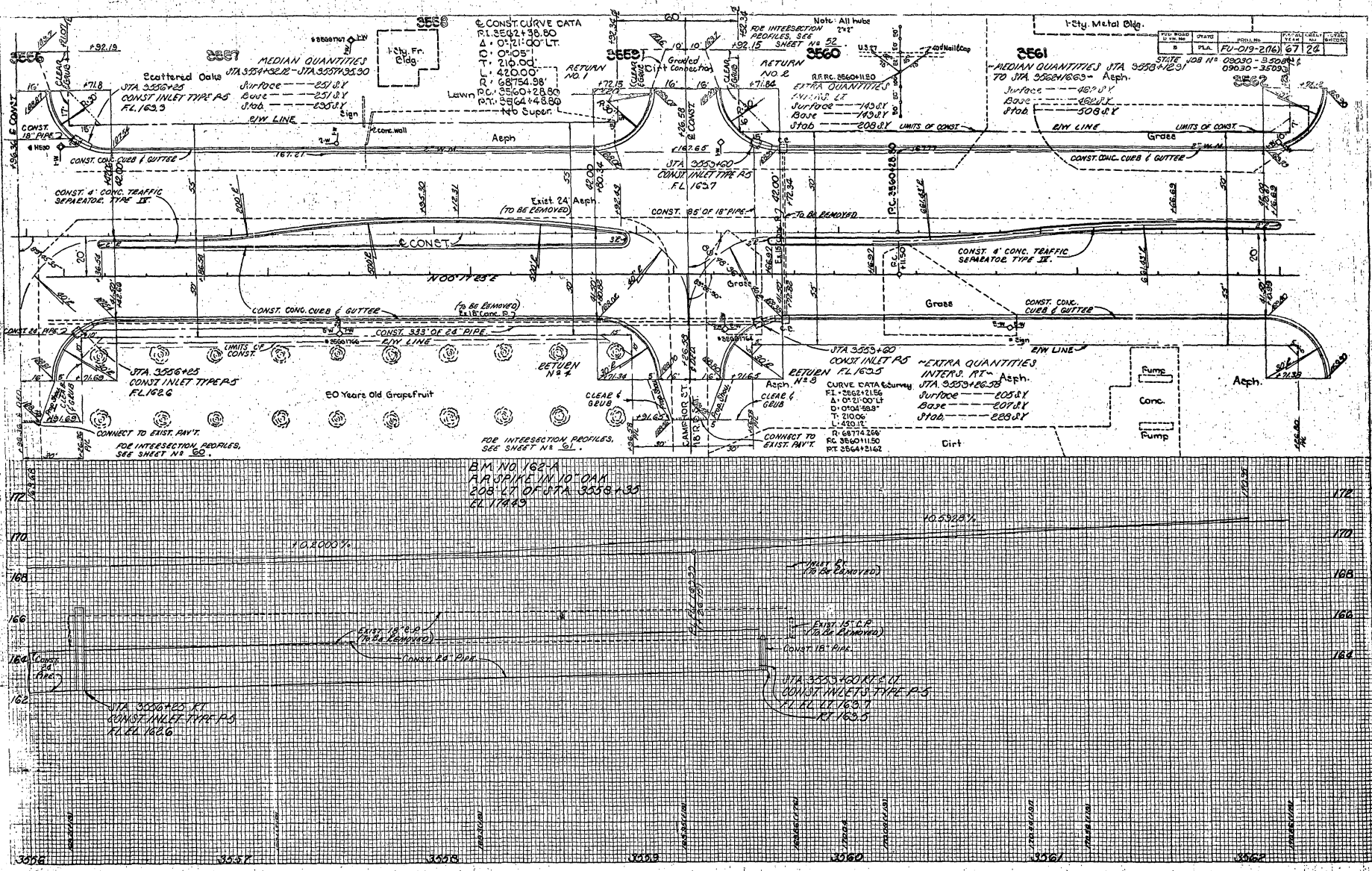
SELECTIVE CLEARING / GRUBBING
 STA. 3543+05.80 TO STA. 3543+56.12



REVISED 6-6-68



3544 3545 3546 3547 3548 3549 3550



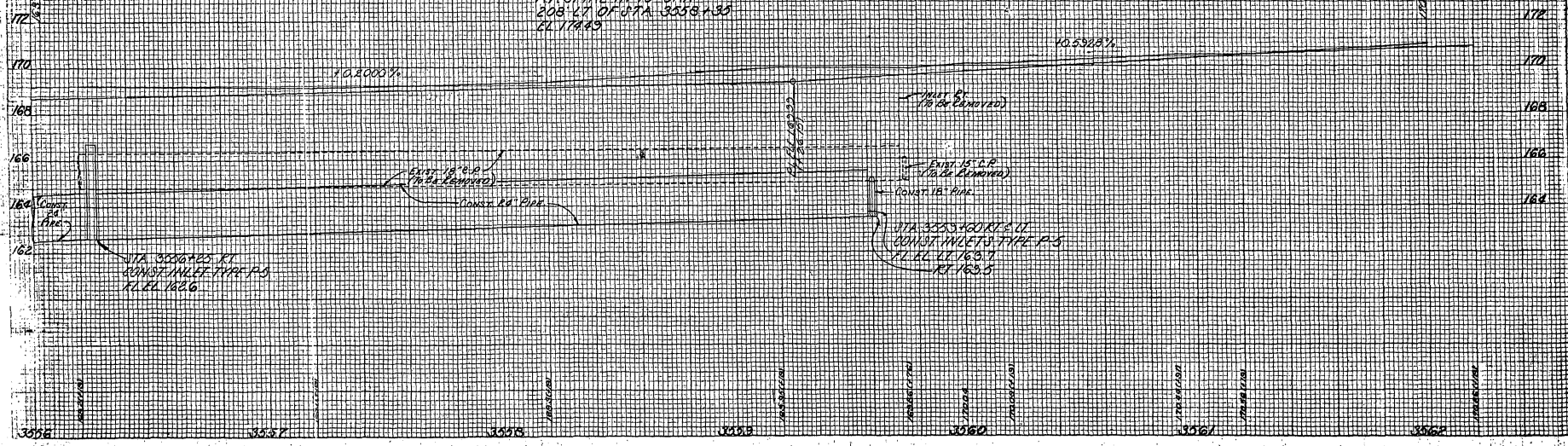
CONST. CURVE DATA
 R.I. 3562+38.80
 Δ: 0° 12' 00" LT.
 T: 216.94'
 L: 420.00'
 R: 68754.98'
 P.C.: 3560+28.80
 P.T.: 3564+48.80
 No Super.

Note: All hubs
 FOR INTERSECTION
 PROFILES, SEE
 SHEET NO. 52
 RETURN
 NO. 2
 STA 3559+40
 CONST INLET TYPE AS
 FL 163.7
 SURFACE --- 43.81'
 Base --- 43.81'
 STAB --- 208.81'

1-1/2" Metal Ckg.
 3561
 MEDIAN QUANTITIES STA 3558+25 TO STA 3559+40 - Asph.
 Surface --- 48.71'
 Base --- 48.71'
 STAB --- 508.81'
 B/W LINE
 UNITS OF CONST.

STA 3559+40
 CONST INLET AS
 FL 163.7
 "EXTRA QUANTITIES"
 INTERP. RT - Asph.
 STA 3559+26.35
 SURFACE --- 40.81'
 Base --- 40.81'
 STAB --- 208.81'
 B/W LINE
 UNITS OF CONST.

B.M. NO. 162-A
 A.R. SPIKE IN 10" OAK
 208.47 OF STA 3559+35
 EL. 174.45



STA 3559+40
 CONST INLET AS
 FL 163.7
 "EXTRA QUANTITIES"
 INTERP. RT - Asph.
 STA 3559+26.35
 SURFACE --- 40.81'
 Base --- 40.81'
 STAB --- 208.81'
 B/W LINE
 UNITS OF CONST.

STA 3559+25
 CONST INLET TYPE AS
 FL 163.3

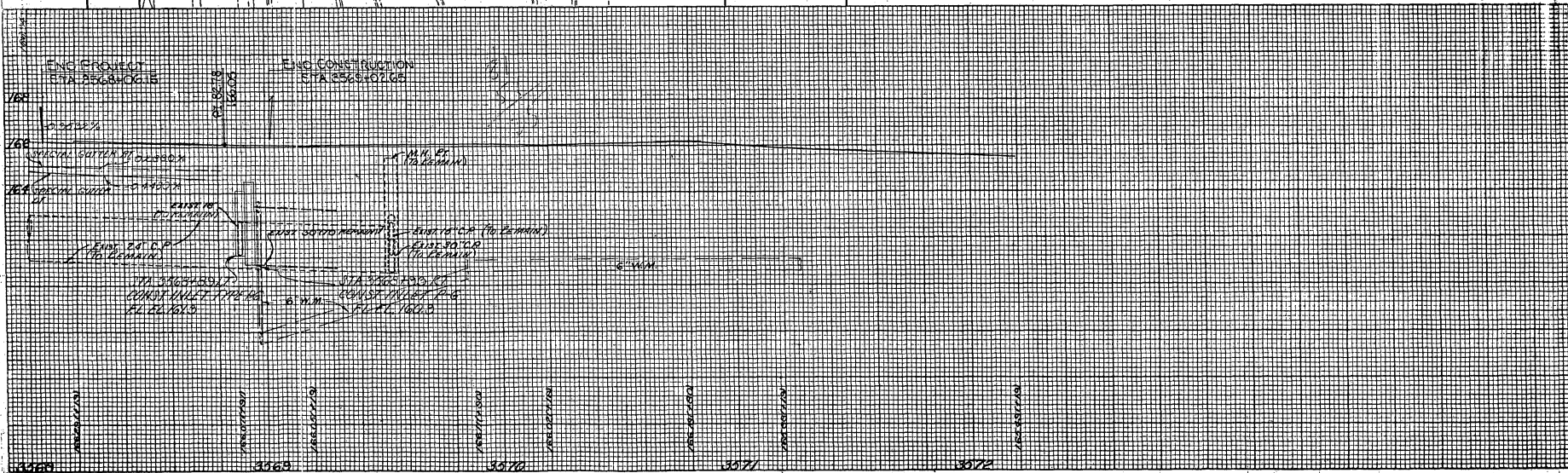
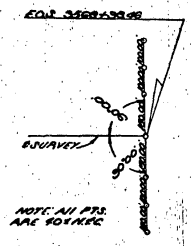
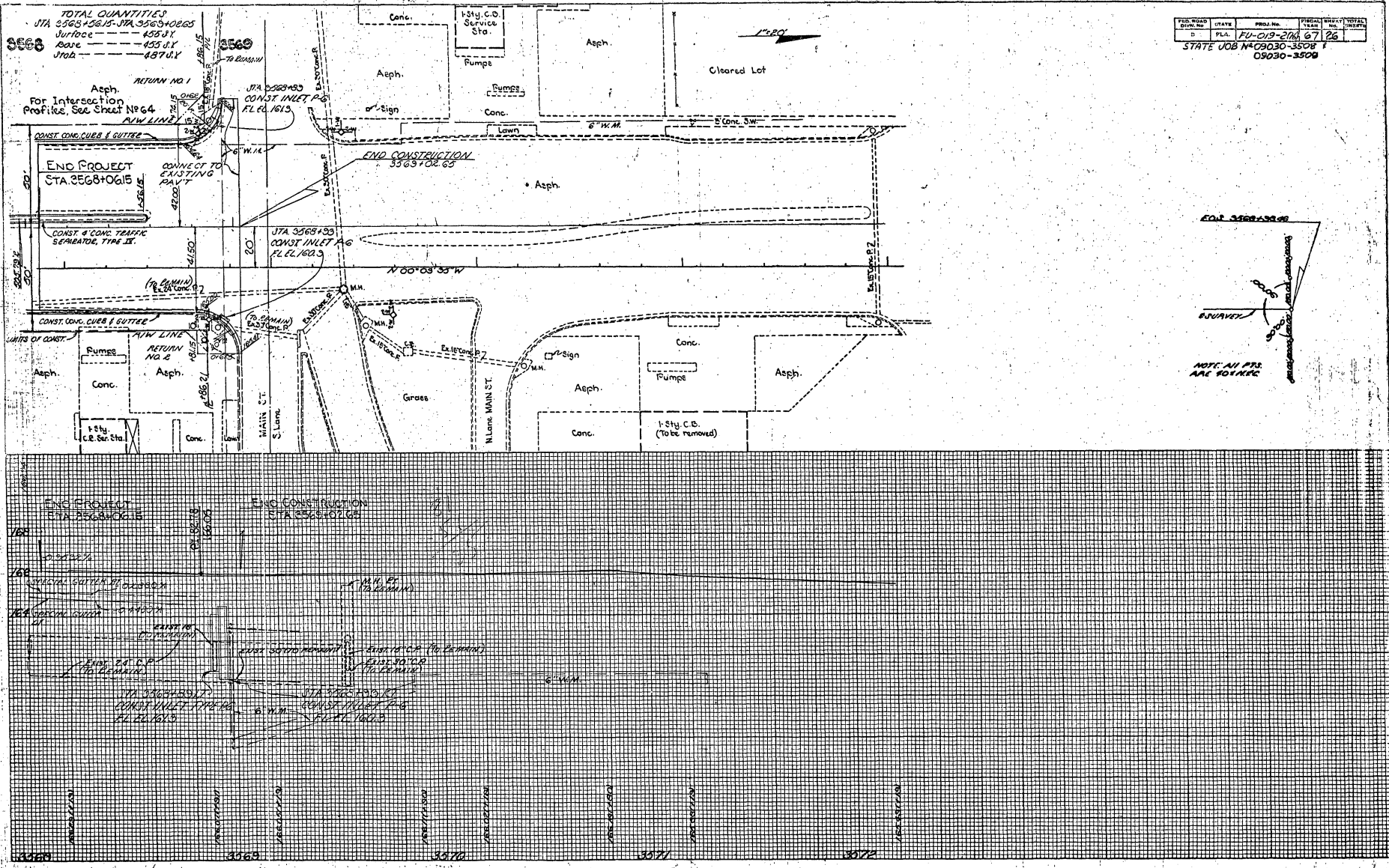
EXIST. 18" R.P.
 (TO BE REMOVED)
 CONST. 18" PIPE

STA 3559+40
 CONST INLET TYPE AS
 FL 163.7

TOTAL QUANTITIES
 JTA 3568+52.15-JTA 3568+082.5
 Surface ----- 455.81 Y
 Base ----- 455.81 Y
 Sub ----- 457.81 Y

PROJ. ROAD DIST. REF.	STATE	PROJ. No.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
D	FLA.	FU-019-216	67	26	

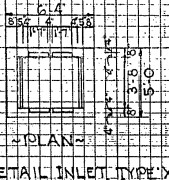
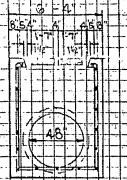
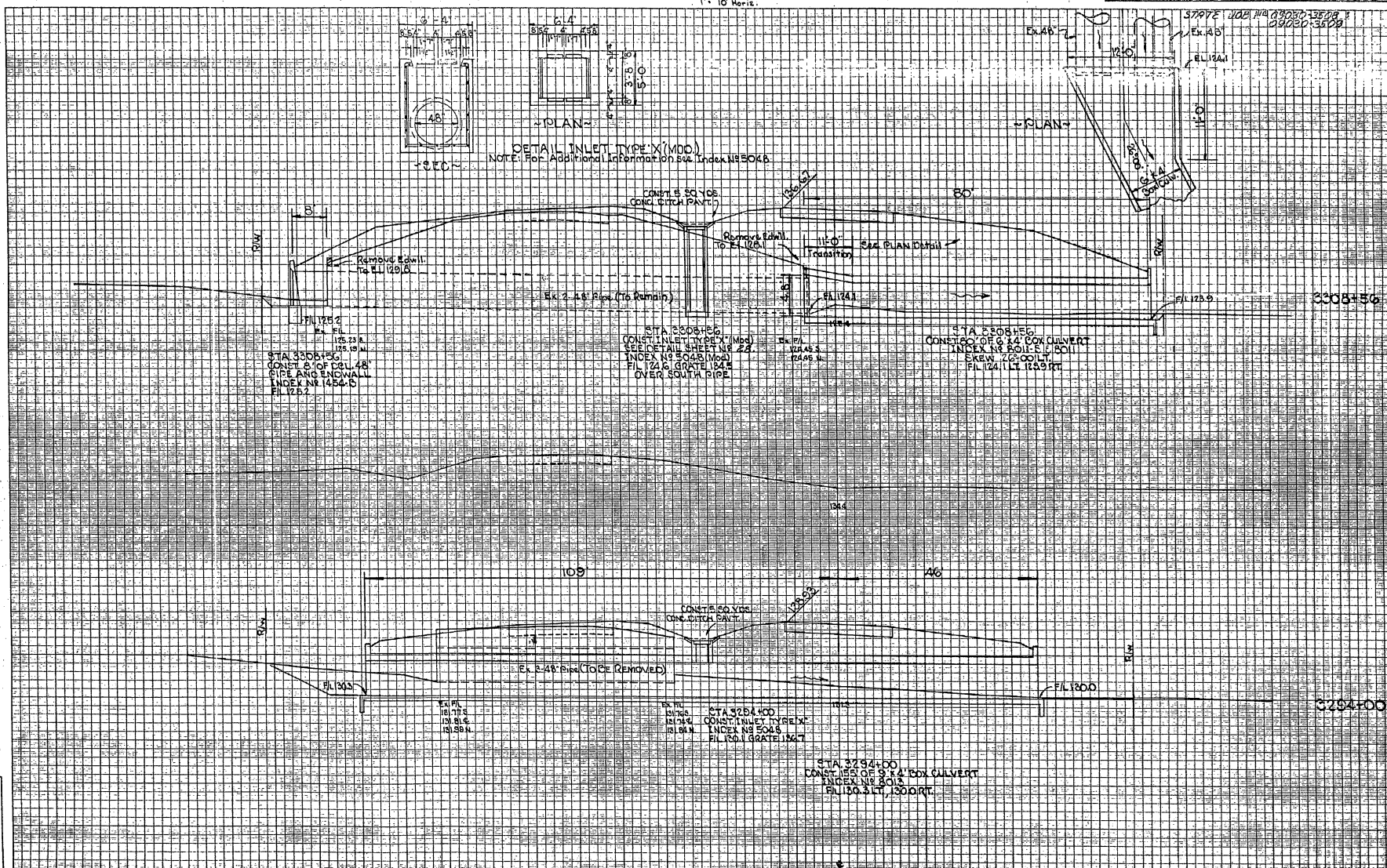
STATE JOB NO. C9030-3508
09030-3508



CROSS SECTIONS

Scale 1 inch = 5 feet Vert
1" = 10' Horiz.

Dist. No.	State	County	Route	Proj. No.	Sheet No.
	IN	HIGHLANDS	52.72	100-02-272	2A



DETAIL INLET TYPE X (MOD.)
NOTE: For Additional Information see Index No. 5048.

STA. 3308+56
CONSTR. 5' OF 24" BOX CULVERT AND SLOTTED PIPE RING RENEWAL
INDEX NR. 1454-10
FIL. 125.2

STA. 3308+56
CONSTR. INLET TYPE X (MOD.)
SEE DETAIL SHEET NR. 24
INDEX NR. 5048 (MOD.)
FIL. 124.6 GRATE 134.4
OVER SOUTH PIPE

STA. 3308+56
CONSTR. 20' OF 24" BOX CULVERT
INDEX NR. 5015.5 & 5011
SKEW 26° COLL.
FIL. 124.1 LT. 125.9 RT.

EX. 1175
131.81 C
131.58 H

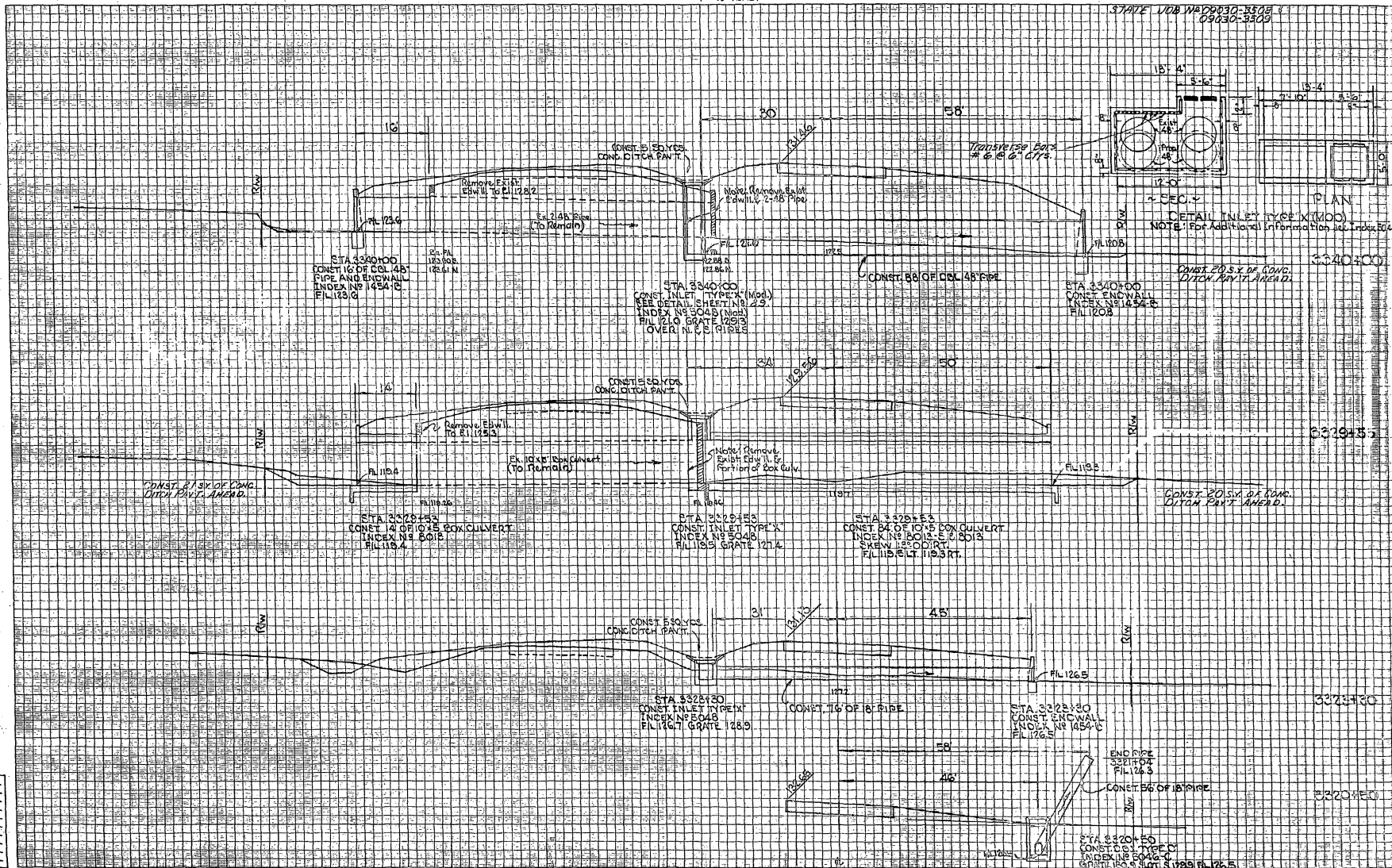
EX. 1174
129.29 H
131.94 C
INDEX NR. 5048
FIL. 130.1 GRATE 136.7

STA. 3294+00
CONSTR. 15' OF 42" BOX CULVERT
INDEX NR. 8013
FIL. 130.3 LT. 130.0 RT.

CROSS SECTIONS
Scale 1 Inch = 5 Feet Vert.
1" = 10' Horiz.

Proj. No.	Date	County	District	Proj. No.	Sheet No.
WAD 030-1509	5-26-56	HIGHLANDS	5-26-56	WAD-030-1509	23

STATE JOB WAD 030-1509
09030-3309



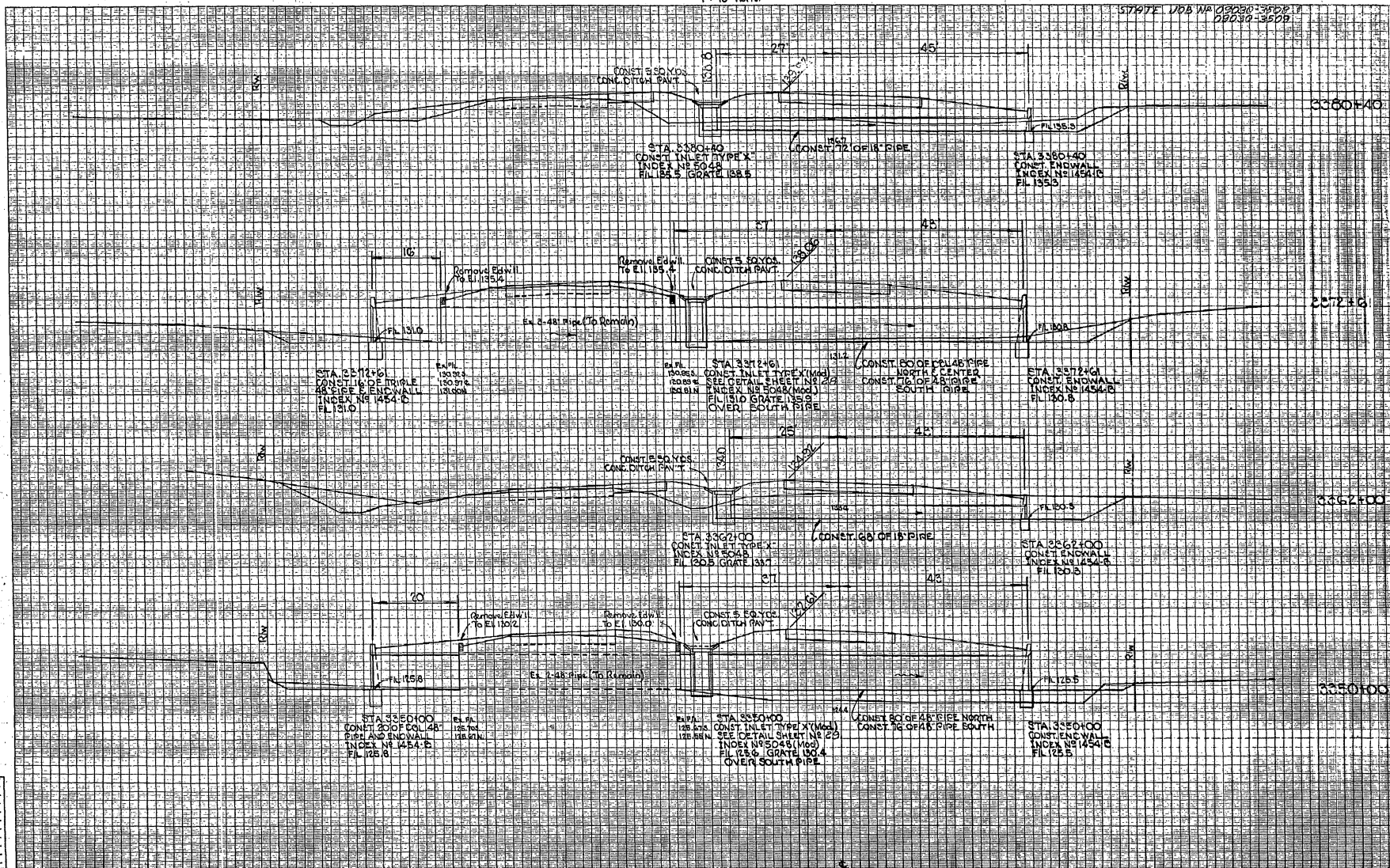
1	Proposed
2	Existing
3	Utility
4	Water
5	Electric
6	Gas
7	Telephone
8	Other
9	Unknown
10	Obstacle
11	Spot
12	Grade
13	Obstruction
14	Other

CROSS SECTIONS

Scale 1 inch = 5 feet Vert.
1" = 10' Horiz.

Proj. No.	State	County	Road	Proj. No.	Sheet No.
00030-350B	MD	HIGHLAND	SR 283	EV-202-2103	30

STATE JOB NO. 00030-350B
EV-202-2103



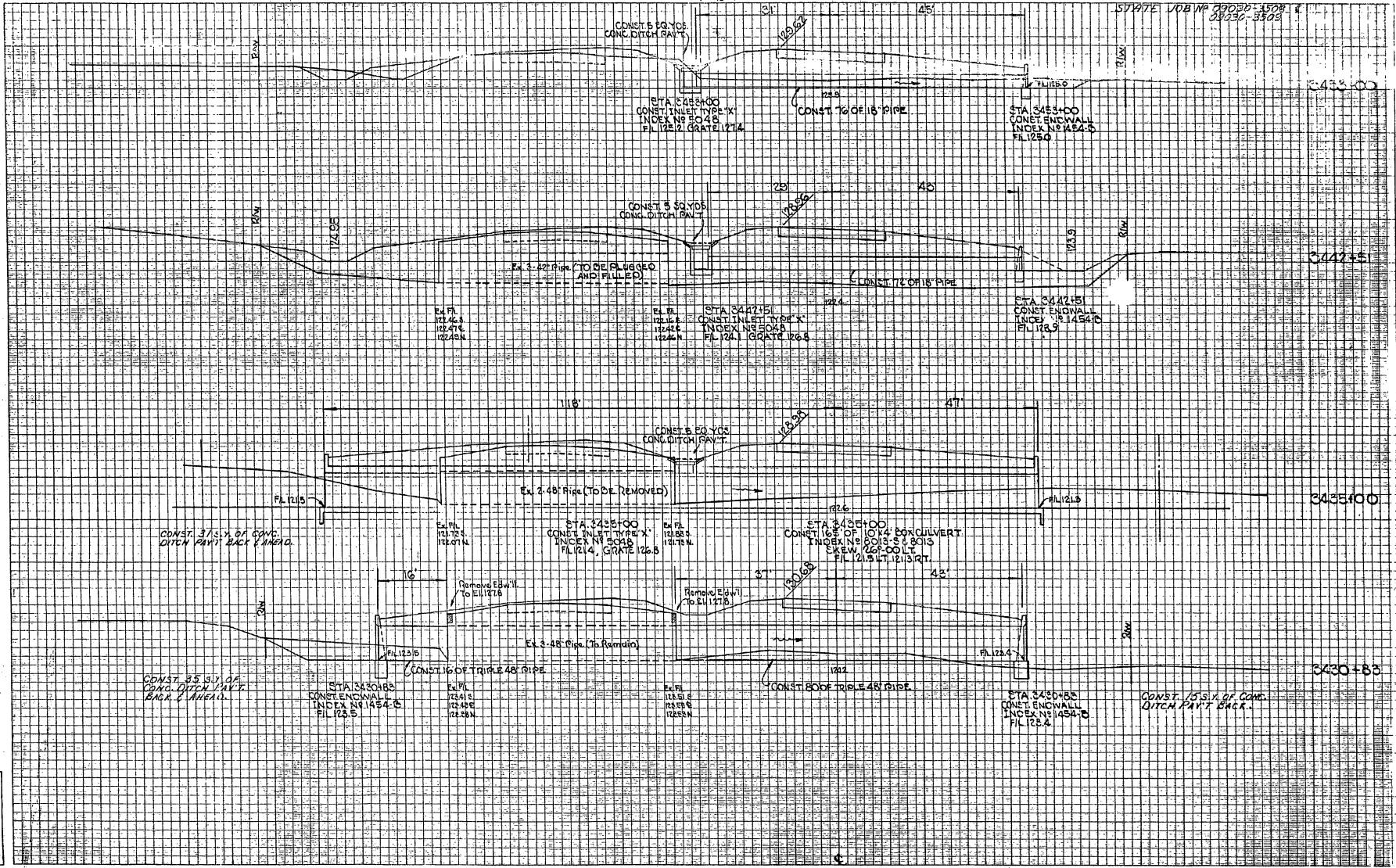
Station	Notes
3380+40	CONST. 30" DIAM. CONC. DITCH PANYT
3372+60	CONST. 36" DIAM. CONC. DITCH PANYT
3362+00	CONST. 42" DIAM. CONC. DITCH PANYT
3352+00	CONST. 30" DIAM. CONC. DITCH PANYT
3350+00	CONST. 30" DIAM. CONC. DITCH PANYT

CROSS SECTIONS

Scale 1 inch = 5 feet Vert
1" = 10' Horiz.

Proj. No.	State	County	Route	Proj. No.	Sheet No.
8	Pa.	HIGHLANDS	3-R-23	EV-712-2(1)	32

STATE JOB NO. 30030-1508 &
28230-3703



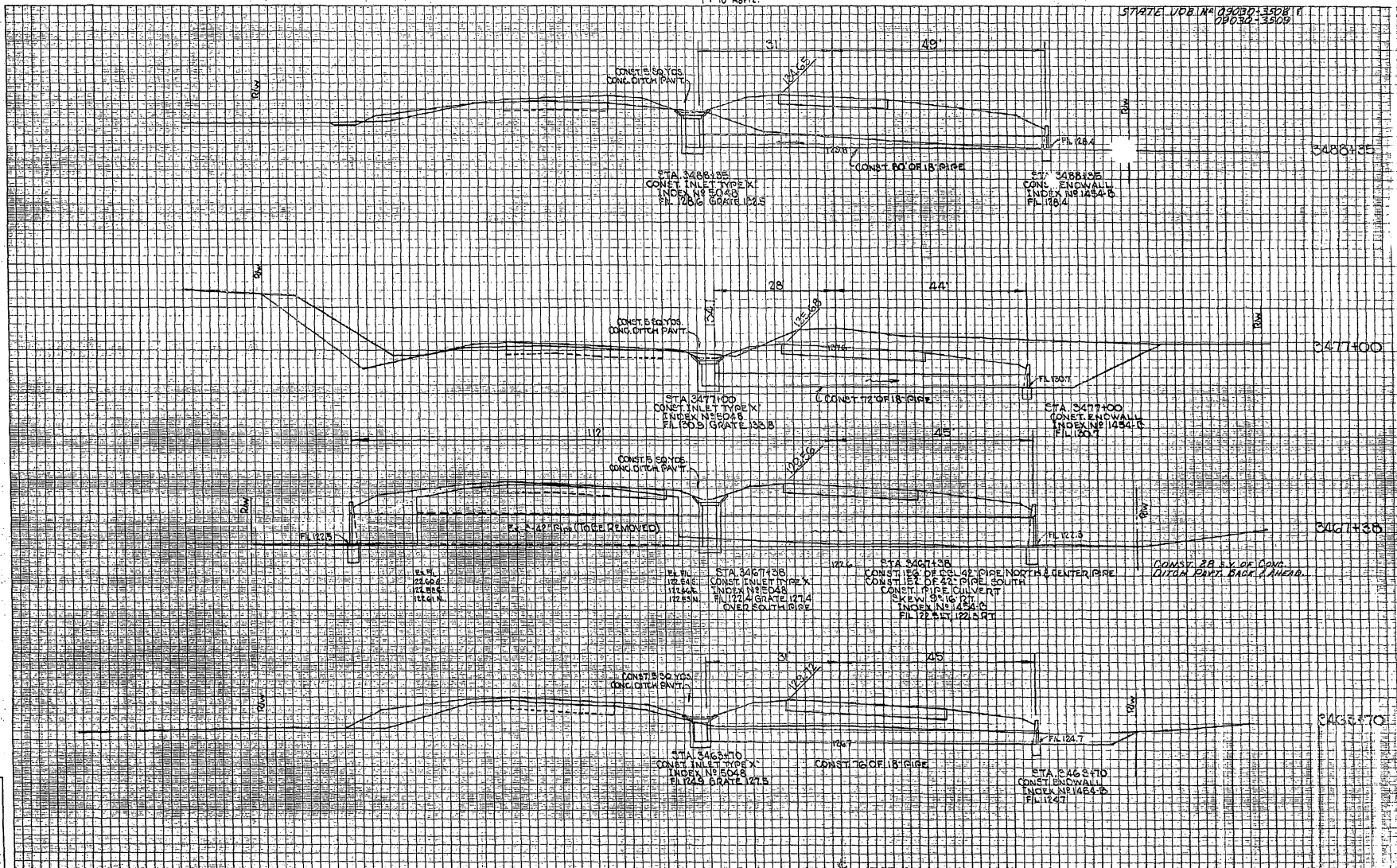
Item	Description	Quantity	Unit
1	Excavation		
2	Concrete		
3	Gravel		
4	Earthwork		
5	Structures		
6	Materials		
7	Other		

CROSS SECTIONS

Scale 1 inch = 5 feet Vert.
1" = 10' Horiz.

City	State	County	Route	Proj. No.	Sheet No.
Flt.	INDIAN	INDS	5-673	152-019-2103	33

STATE JOB NO. 09030-3508 (1)
09030-3609

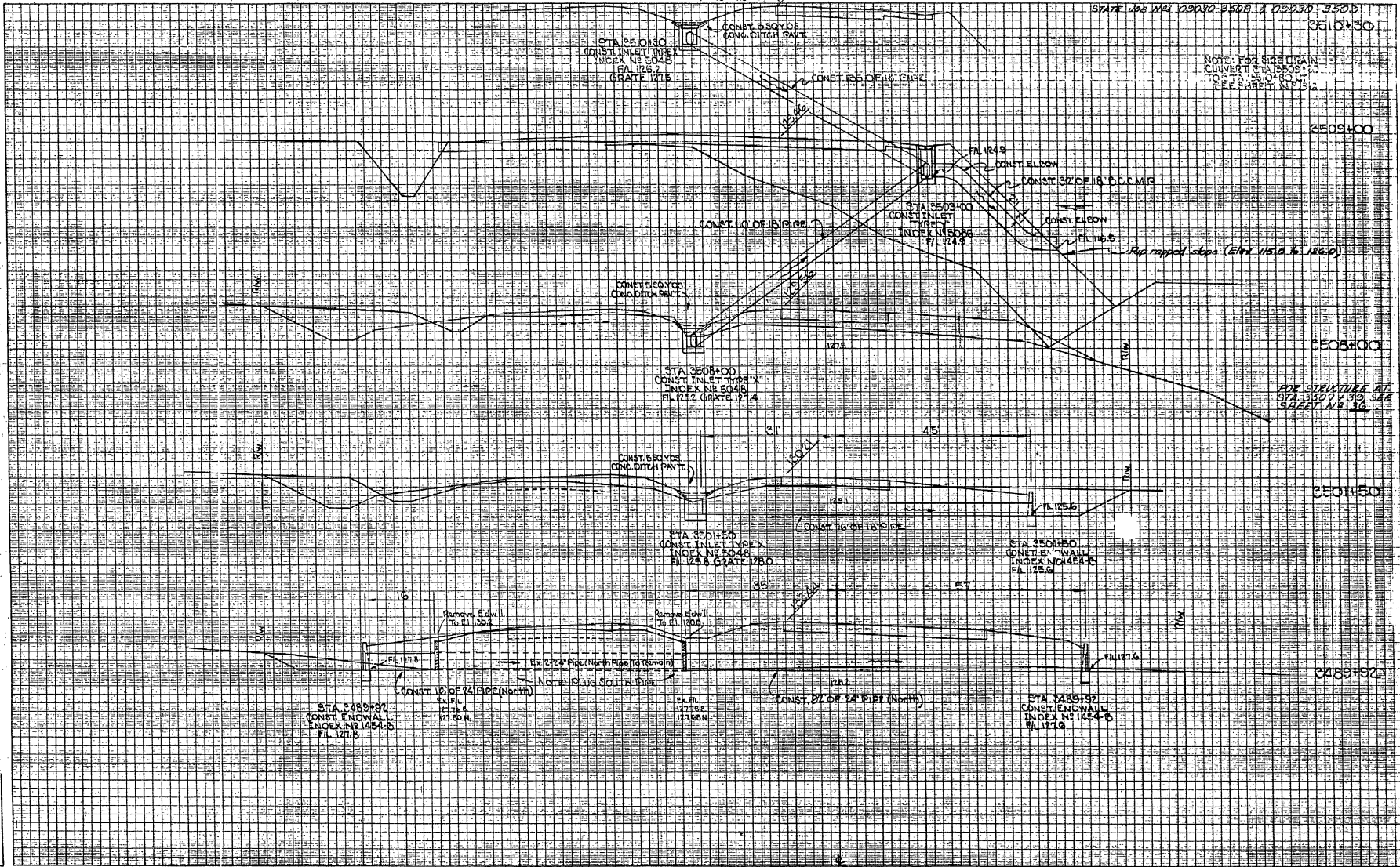


NO.	DESCRIPTION
1	CONC. 50 YDS. CONC. DITCH PAVT.
2	CONC. 18" OR 18" PIPE
3	CONC. INLET TYPE X
4	INDEX NO. 5048
5	FR. 12" OR 12" GRATE
6	CONC. 28' S.W. OF CONC. DITCH PAVT. BACK / AHEAD

CROSS SECTIONS

Scale 1 inch = 5 feet Vert.
1" = 10' Horiz.

Proj. No.	State	County	Route	Proj. No.	Sheet No.
9	Fla.	HIGHLANDS	S.P. 22	FD 019-2(3)	32



NOTE: FOR SIDE DRAIN
CONVERT STA 2508+10
TO STA 2508+00
SEE SHEET NO. 31

Rip rapped slope (Elev. 115.10 to 116.50)

FOR STRUCTURE AT
STA 2507+30 SEE
SHEET NO. 31

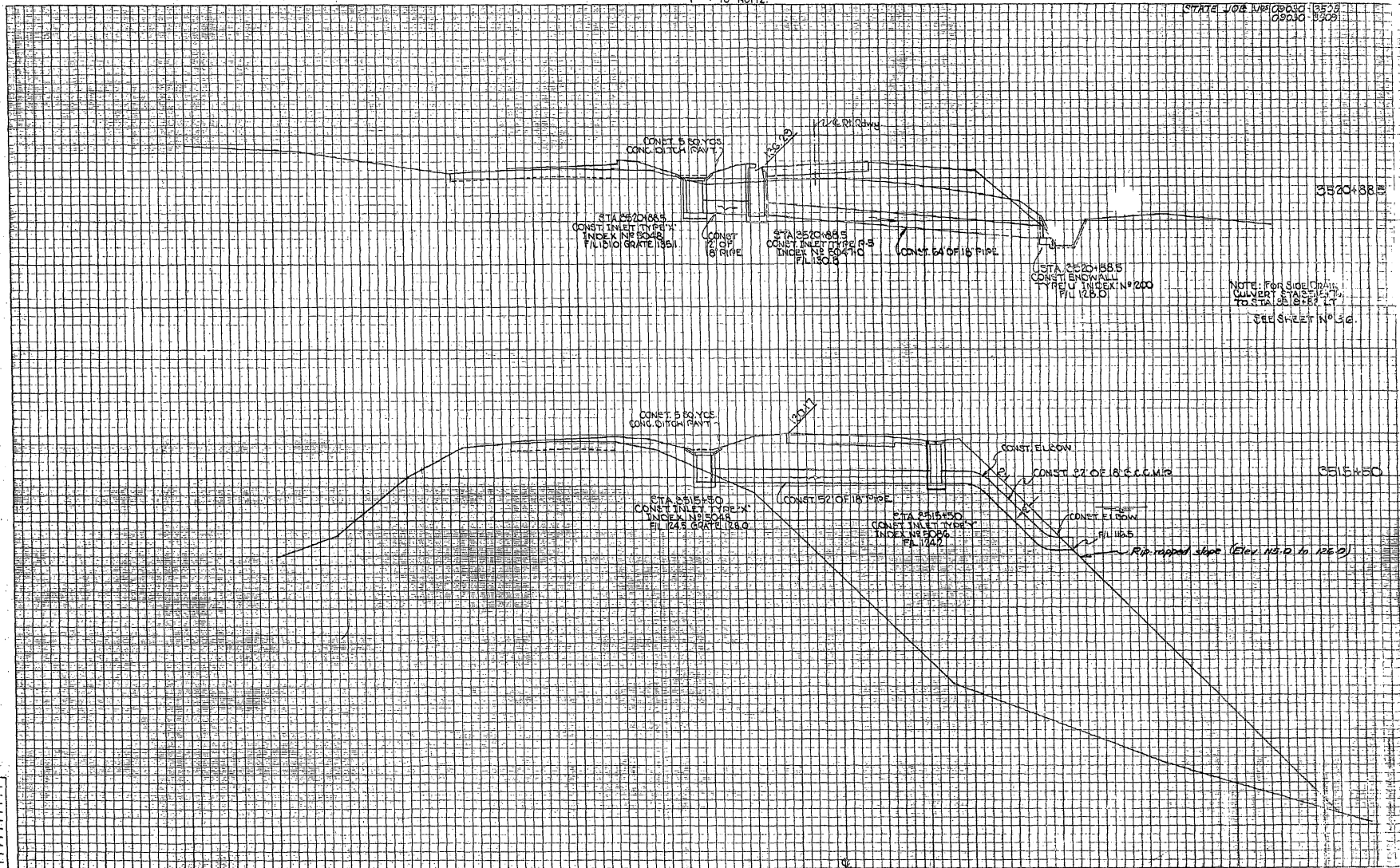
1	1/4" = 1' = 30'
2	1/2" = 1' = 30'
3	3/4" = 1' = 30'
4	1" = 1' = 30'
5	1 1/4" = 1' = 30'
6	1 1/2" = 1' = 30'
7	1 3/4" = 1' = 30'
8	2" = 1' = 30'
9	2 1/4" = 1' = 30'
10	2 1/2" = 1' = 30'
11	2 3/4" = 1' = 30'
12	3" = 1' = 30'
13	3 1/4" = 1' = 30'
14	3 1/2" = 1' = 30'
15	3 3/4" = 1' = 30'
16	4" = 1' = 30'
17	4 1/4" = 1' = 30'
18	4 1/2" = 1' = 30'
19	4 3/4" = 1' = 30'
20	5" = 1' = 30'
21	5 1/4" = 1' = 30'
22	5 1/2" = 1' = 30'
23	5 3/4" = 1' = 30'
24	6" = 1' = 30'
25	6 1/4" = 1' = 30'
26	6 1/2" = 1' = 30'
27	6 3/4" = 1' = 30'
28	7" = 1' = 30'
29	7 1/4" = 1' = 30'
30	7 1/2" = 1' = 30'
31	7 3/4" = 1' = 30'
32	8" = 1' = 30'
33	8 1/4" = 1' = 30'
34	8 1/2" = 1' = 30'
35	8 3/4" = 1' = 30'
36	9" = 1' = 30'
37	9 1/4" = 1' = 30'
38	9 1/2" = 1' = 30'
39	9 3/4" = 1' = 30'
40	10" = 1' = 30'
41	10 1/4" = 1' = 30'
42	10 1/2" = 1' = 30'
43	10 3/4" = 1' = 30'
44	11" = 1' = 30'
45	11 1/4" = 1' = 30'
46	11 1/2" = 1' = 30'
47	11 3/4" = 1' = 30'
48	12" = 1' = 30'
49	12 1/4" = 1' = 30'
50	12 1/2" = 1' = 30'
51	12 3/4" = 1' = 30'
52	13" = 1' = 30'
53	13 1/4" = 1' = 30'
54	13 1/2" = 1' = 30'
55	13 3/4" = 1' = 30'
56	14" = 1' = 30'
57	14 1/4" = 1' = 30'
58	14 1/2" = 1' = 30'
59	14 3/4" = 1' = 30'
60	15" = 1' = 30'
61	15 1/4" = 1' = 30'
62	15 1/2" = 1' = 30'
63	15 3/4" = 1' = 30'
64	16" = 1' = 30'
65	16 1/4" = 1' = 30'
66	16 1/2" = 1' = 30'
67	16 3/4" = 1' = 30'
68	17" = 1' = 30'
69	17 1/4" = 1' = 30'
70	17 1/2" = 1' = 30'
71	17 3/4" = 1' = 30'
72	18" = 1' = 30'
73	18 1/4" = 1' = 30'
74	18 1/2" = 1' = 30'
75	18 3/4" = 1' = 30'
76	19" = 1' = 30'
77	19 1/4" = 1' = 30'
78	19 1/2" = 1' = 30'
79	19 3/4" = 1' = 30'
80	20" = 1' = 30'

CROSS SECTIONS

Scale 1 inch = 5 feet Vert.
1" = 10' Horiz.

Proj. No.	State	County	Sheet	Proj. No.	Sheet No.
2	MI	HIGHLAND	25	FALCONER	32

STATE JOB NO. 08010 0525
03010 3223



CROSS SECTIONS

Scale 1 inch = 5 feet Vert
1 inch = 10 feet Horiz

Proj. No.	State	County	Route	Proj. No.	Sheet No.
9	Fla.	HIGHLANDS	S.R. 22	201-00-27(2)	36

STATE V&B No. 20080-3508 / D8830-3508

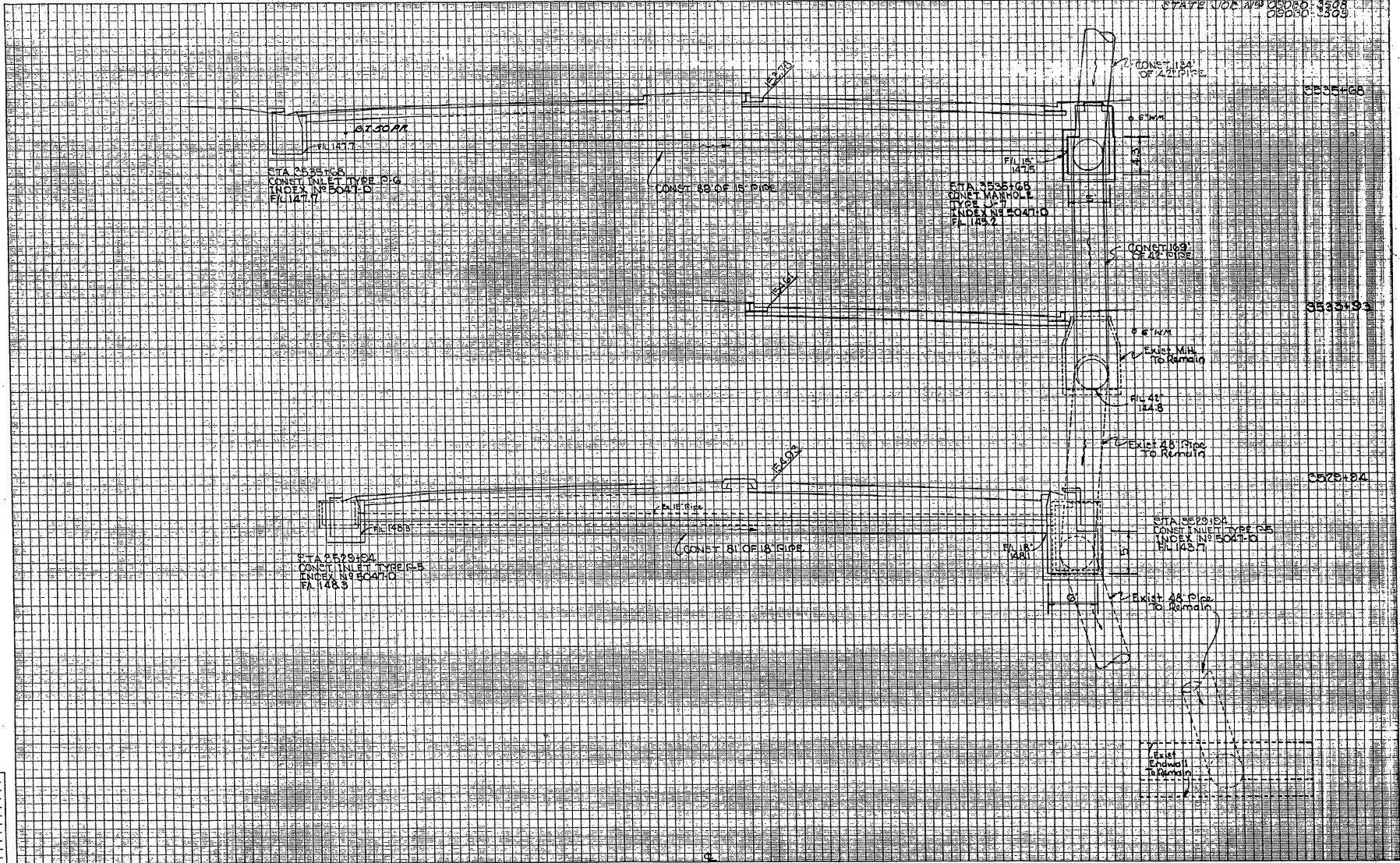


CROSS SECTIONS

Scale 1 Inch = 5 feet
 Horiz. & Vert.

Fed. Road Dist. No.	State	County	Route	Proj. No.	Sheet No.
2	Pa.	HIGHLAND	72	11-013-2161	39

STATE OF PA. ROAD 3508
 06000-3309



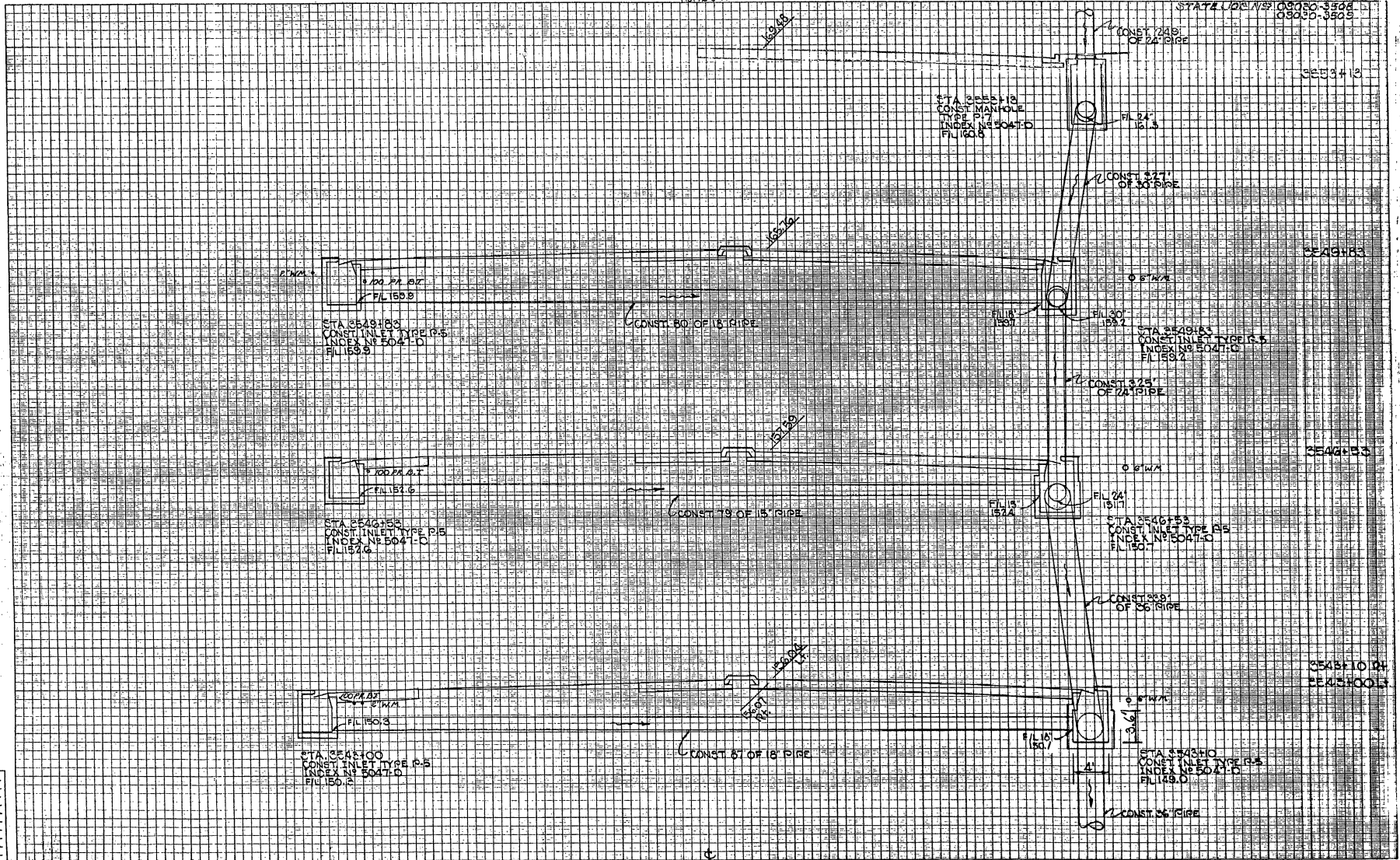
Checked by	
Designed by	
Drawn by	
Scale	
Date	

CROSS SECTIONS

Scale 1 inch = 5 feet
 Horiz. & Vert.

Proj. No.	Sheet No.
25	33

STATE HIGHWAY 100180-3340
 08030-3403



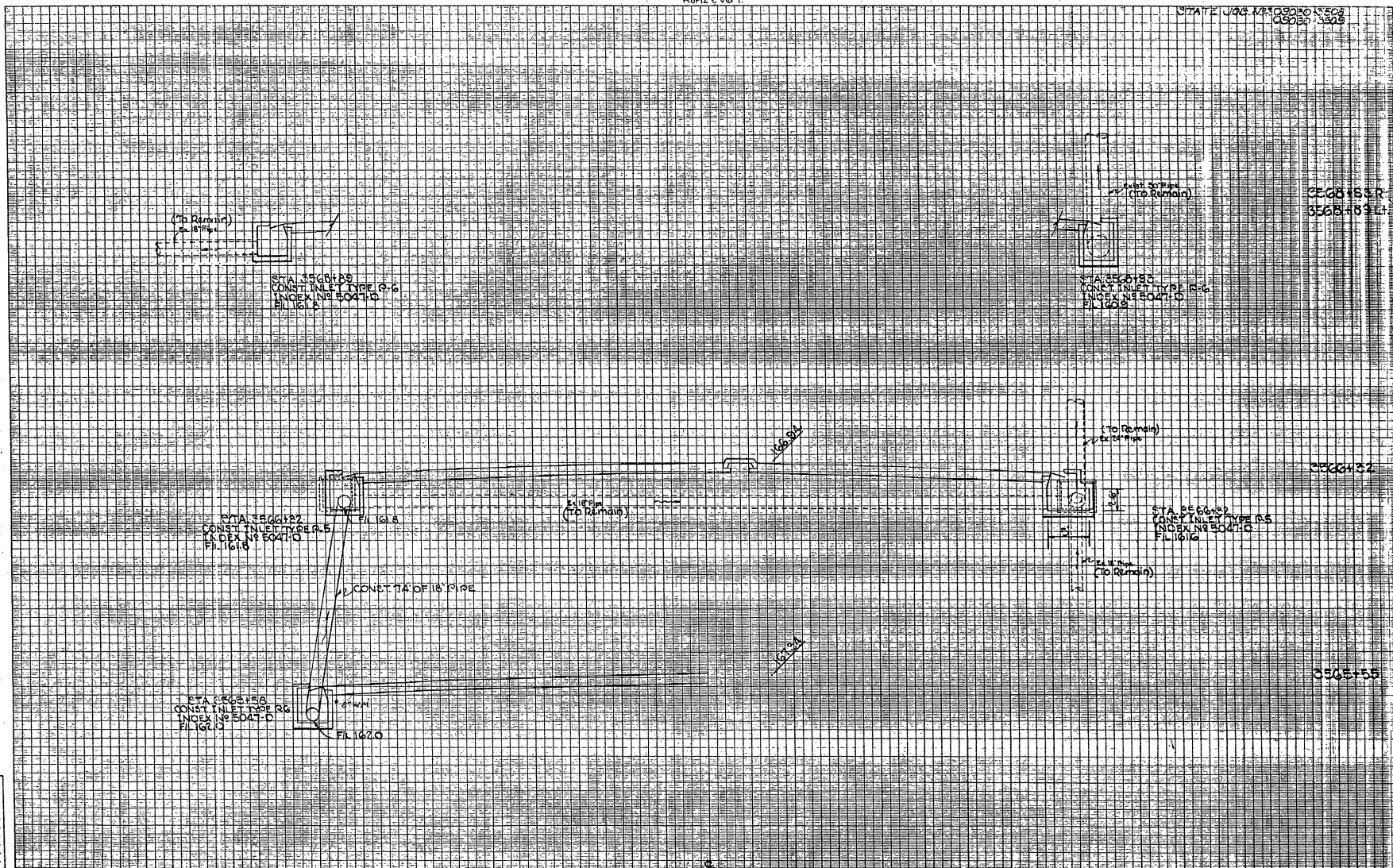
Checked by:	
Designed by:	
Drawn by:	
Reviewed by:	
Project No.:	
Sheet No.:	
Scale:	
Date:	

CROSS SECTIONS

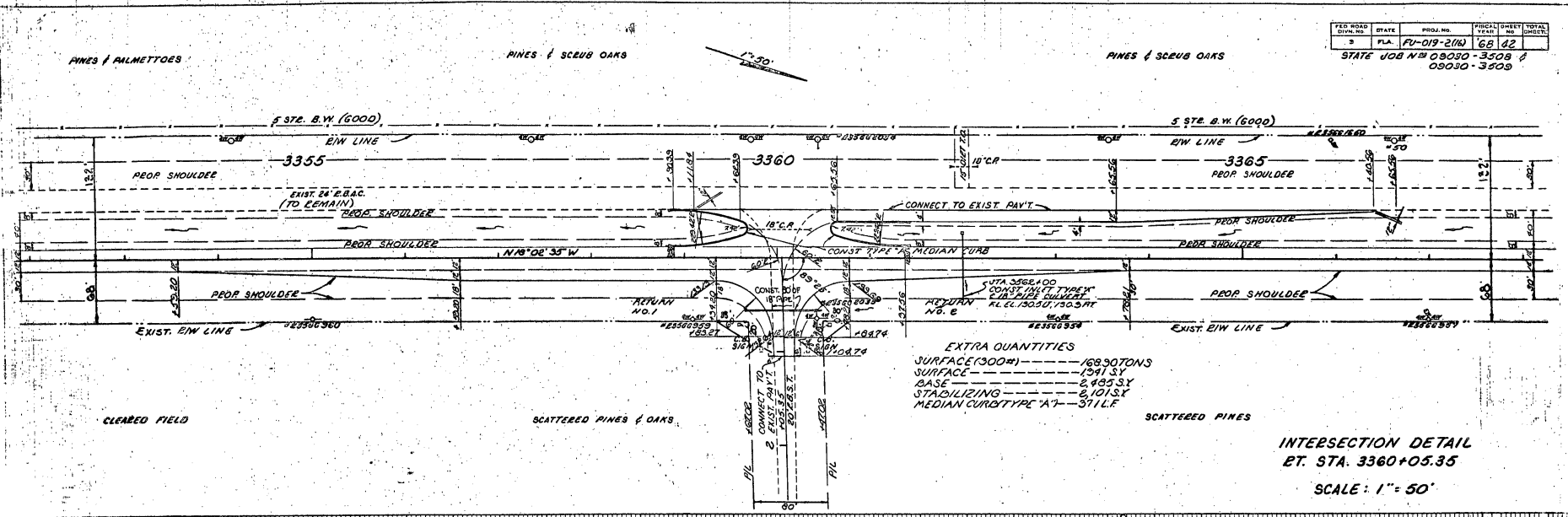
Scale 1 Inch = 5 feet
 Horiz. & Vert.

Proj. No.	State	County	Route	Proj. No.	Sheet No.
25	INDIANA				37

STATE JOB NO. 0000-3508
 0000-3508

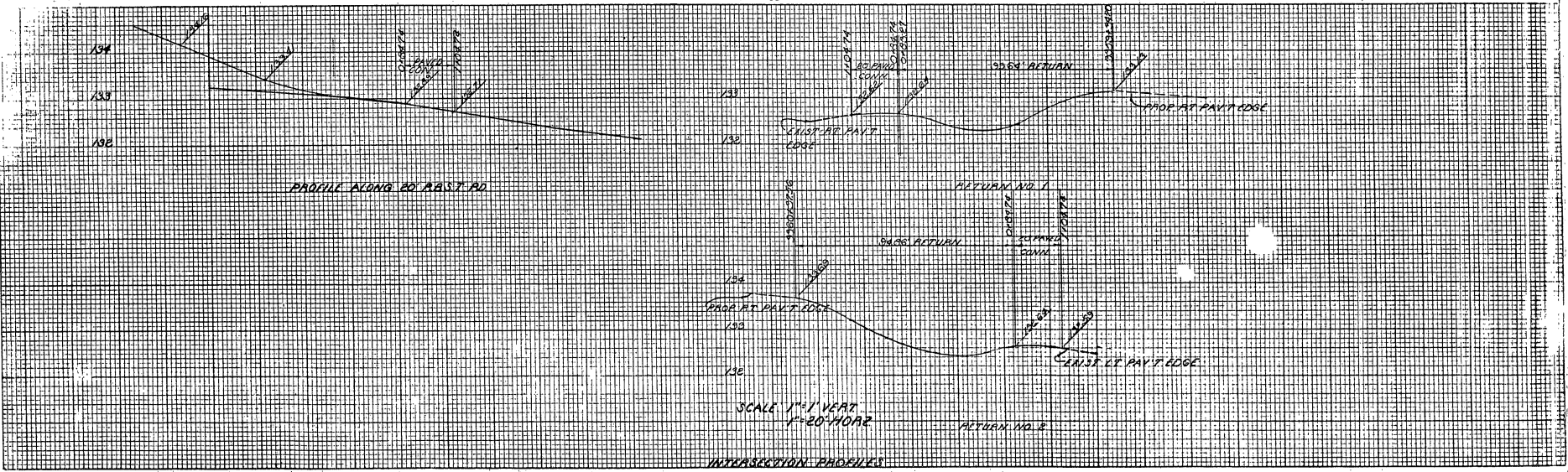


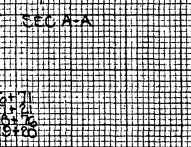
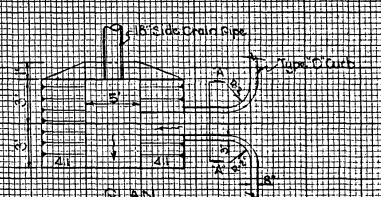
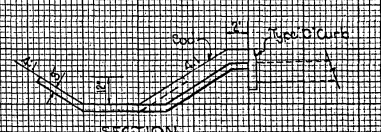
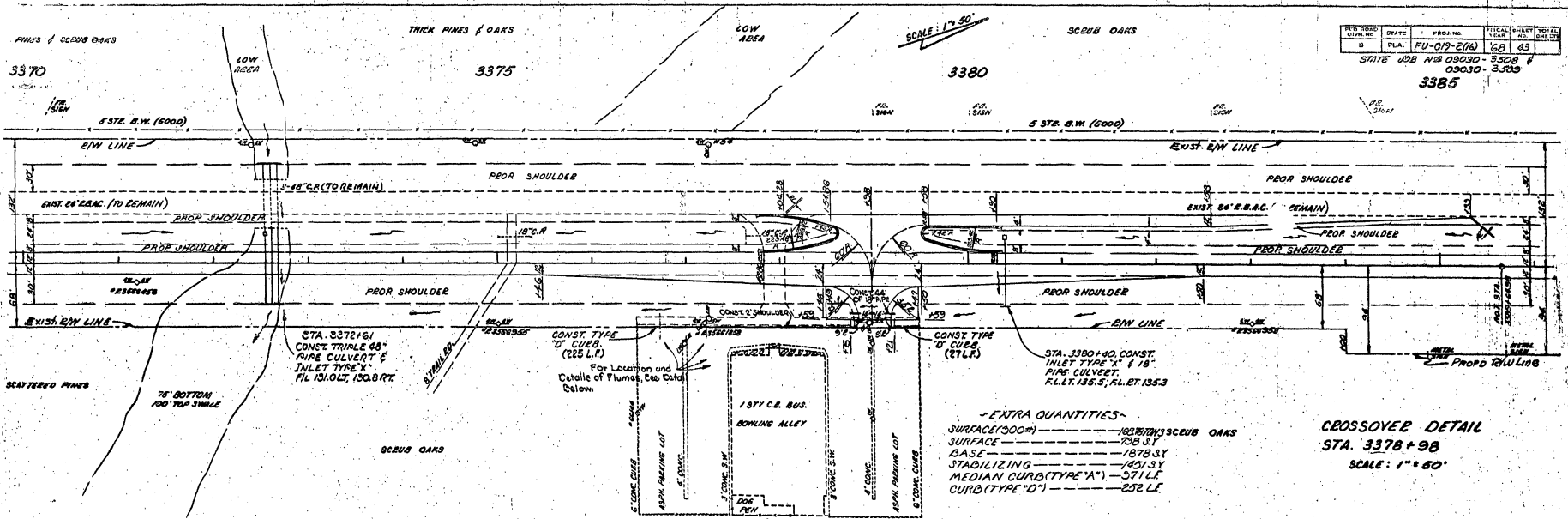
FED. ROAD DIST. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	FLA.	FV-019-2(W)	68	12
STATE JOB NO. 08080-3508				
08030-3509				



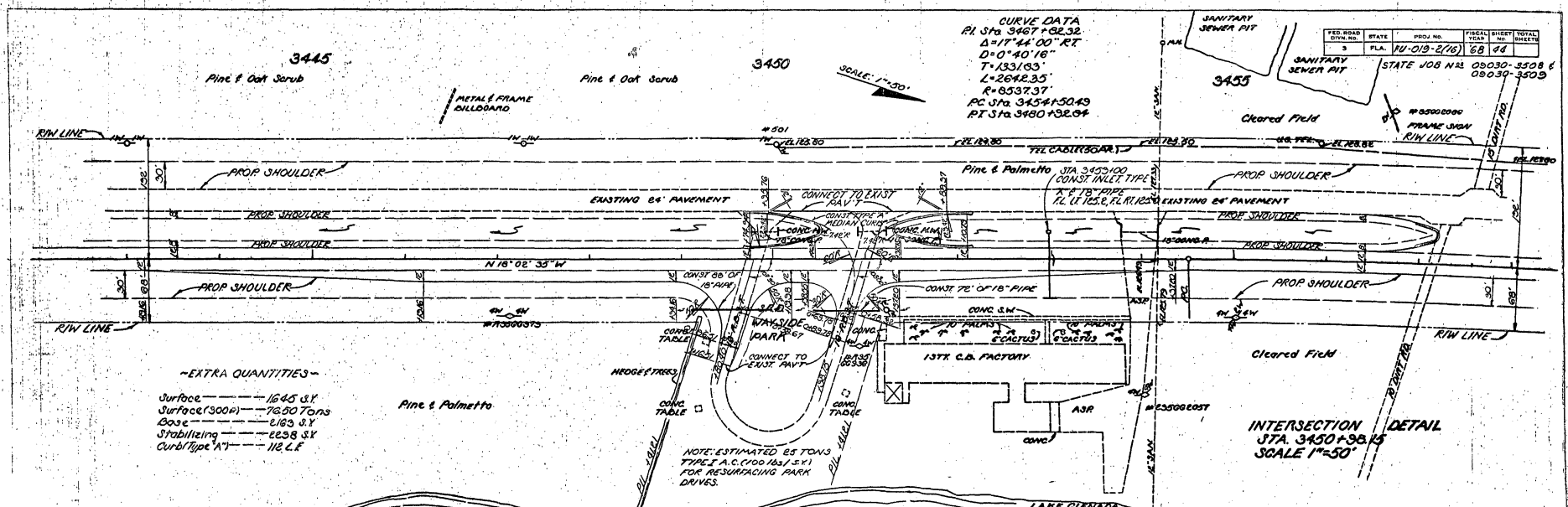
EXTRA QUANTITIES
 SURFACE (300M)-----188.90 TONS
 SURFACE-----1941.5 Y
 BASE-----2,495.5 Y
 STABILIZING-----6,101.5 Y
 MEDIAN CURB TYPE 'A'-----311.6

INTERSECTION DETAIL
 ET. STA. 3360+05.35
 SCALE: 1" = 50'





NOTE: Curb Dimensions
Sta. 3376+11 to 3377+05 S.Y.
Sta. 3377+21 to 3378+10 S.Y.
Sta. 3378+16 to 3379+05 S.Y.
Sta. 3379+05 to 3380+15 S.Y.



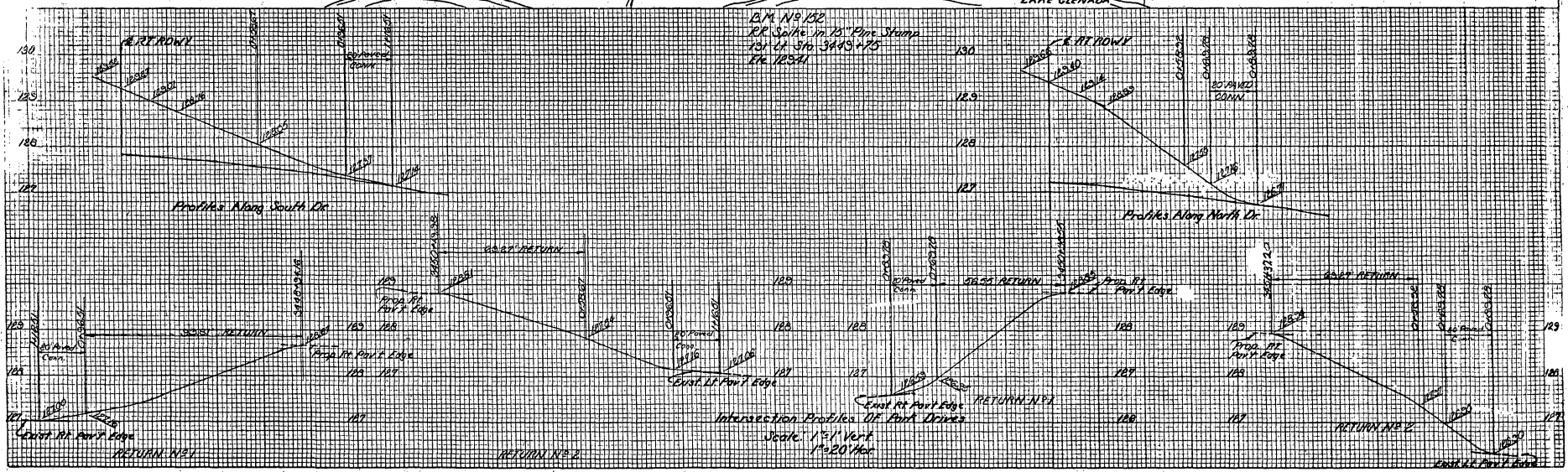
CURVE DATA
 PI Sta 3467+62.32
 $\Delta = 0^\circ 40' 16''$
 $T = 1331.03$
 $L = 2692.35$
 $R = 6537.31$
 PC Sta 3454+50.49
 PT Sta 3480+32.04

FED. ROAD DIST. NO.	STATE	PROJ. NO.	SHEET TOTAL
3	FLA.	11-019-2(16)	68 / 78
		STATE JOB NRS	08030-3508 & 08030-3509

-EXTRA QUANTITIES-
 Surface ----- 1645 S.Y.
 Surface(300P) ----- 7650 TONS
 Base ----- 4823 S.Y.
 Stabilizing ----- 4258 S.Y.
 Curb/Type A7 ----- 112 L.F.

NOTE: ESTIMATED 85 TONS
 TYPE I A.C. (100 LBS) S.Y.
 FOR RESURFACING PARK
 DRIVES.

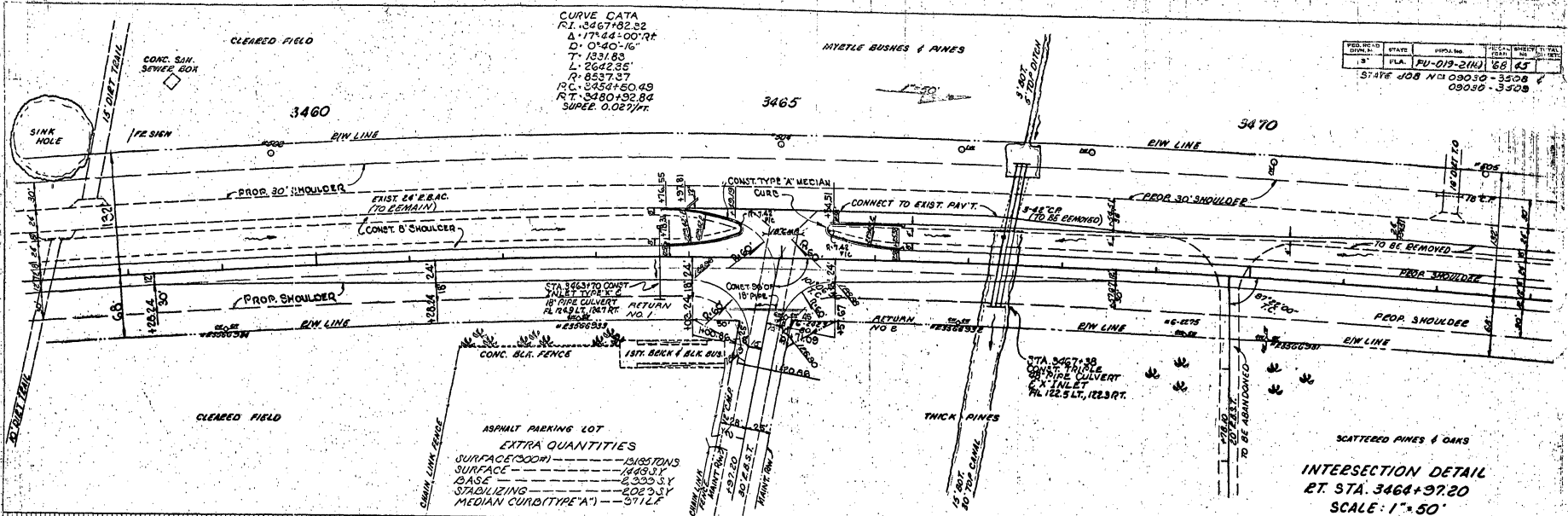
INTERSECTION DETAIL
 STA. 3450+98.19
 SCALE 1"=50'



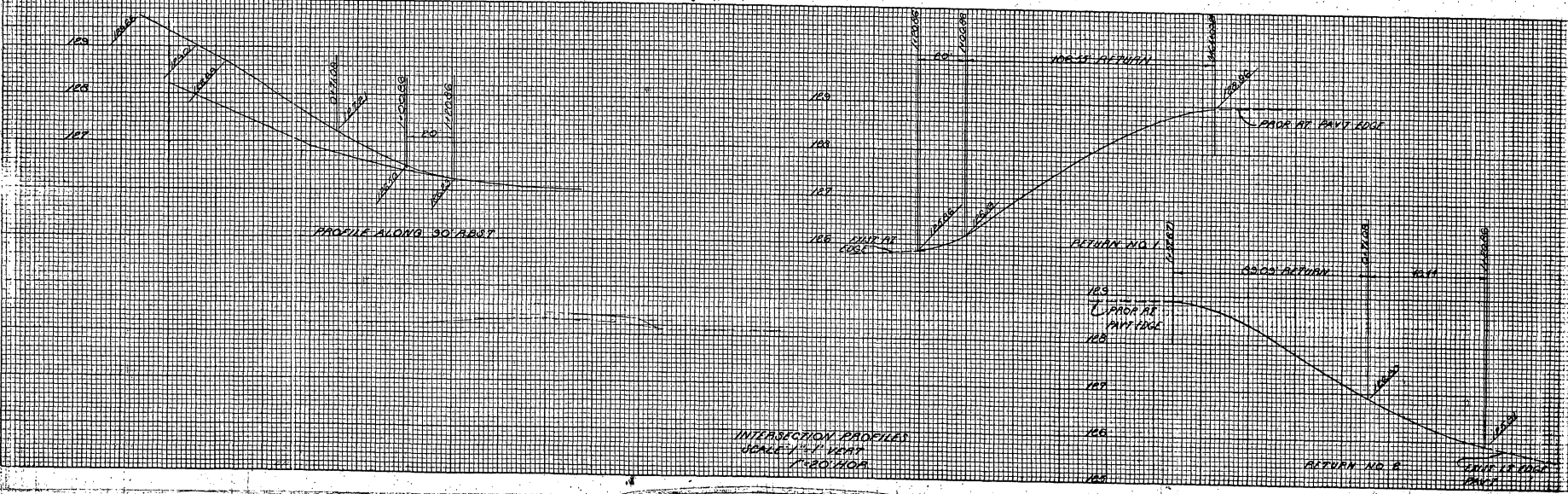
Intersection Profiles of Park Drives
 Scale: 1"=11' Vert
 1"=20' Hor

FEEL NO.	STATE	PROJECT NO.	DATE
15	FLA.	PU-019-2(11)	68 63
STAFF JOB NO. 09030-3508		09030-3328	

CURVE DATA
 P.I. 3467+02.32
 $\Delta = 17^{\circ}44'00''$
 $D = 0'45'16''$
 $T = 133.183$
 $L = 2642.35'$
 $R = 8537.57'$
 $P.C. = 3458+50.49$
 $P.T. = 3480+32.84$
 $SUPER. = 0.0071/ft.$



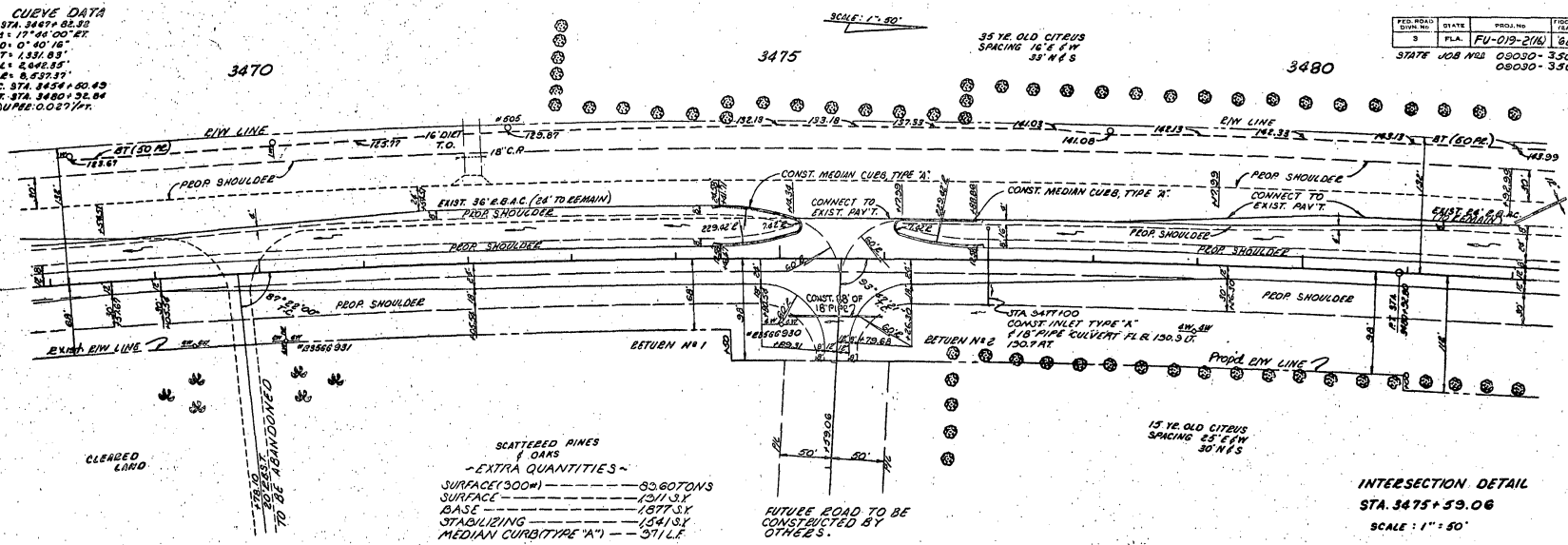
SCATTERED PINES & OAKS
INTERSECTION DETAIL
 AT STA. 3464+37.20
 SCALE: 1" = 50'



INTERSECTION PROFILES
 SCALE: 1" = 10' VERT
 1" = 20' HOR

CURVE DATA
 RA STA. 3407+02.32
 Δ 17°41'00" E
 D. O' 40' 18"
 T. 1331.03'
 L. 2.042.55'
 E. 6.527.39'
 PC. STA. 3436+50.49
 PT. STA. 3460+92.04
 SU. ST. 0.027172

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	DISTRICT	SHEET NO.
3	FLA.	FU-019-2(16)	88	46	
STATE JOB NOS.		08030-3308	08030-3309		



CLEARED LAND

EXIST. ROAD TO BE ABANDONED

SCATTERED PINES & OAKS
 - EXTRA QUANTITIES -
 SURFACE (300M) ----- 82,60 TONS
 SURFACE ----- 1211 SY
 BASE ----- 1877 SY
 STABILIZING ----- 1541 SY
 MEDIAN CURB (TYPE "A") ----- 371 LF

FUTURE ROAD TO BE CONSTRUCTED BY CITIZENS.

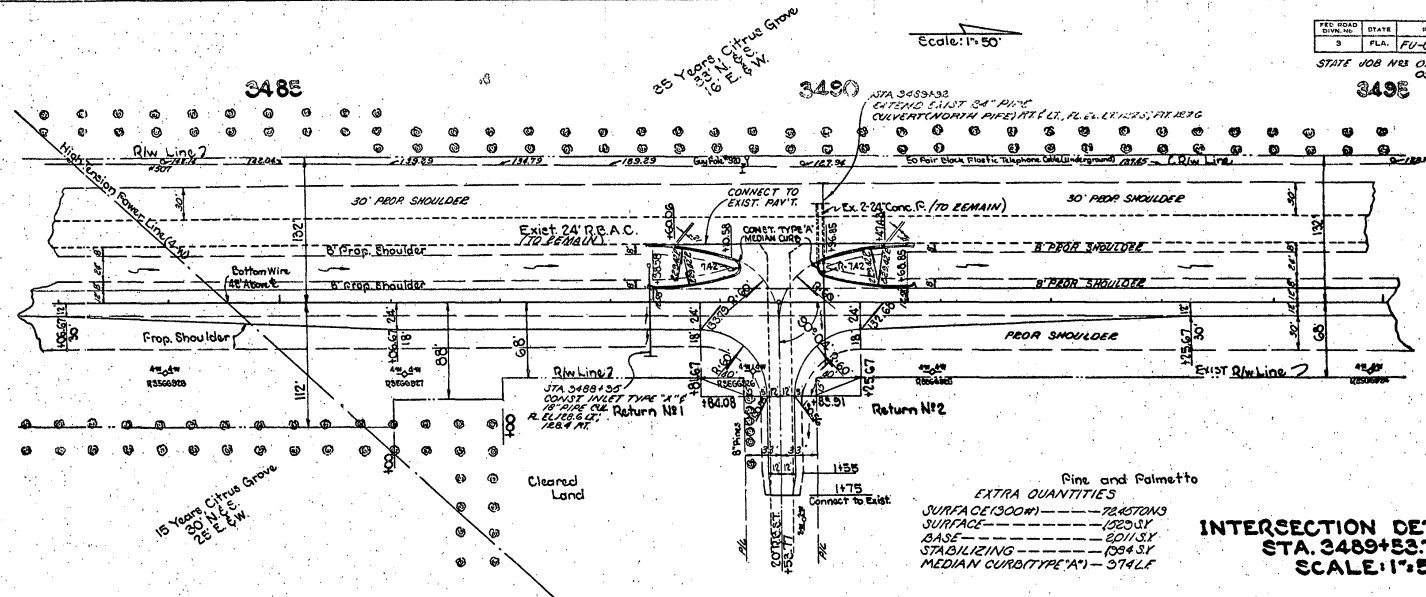
INTERSECTION DETAIL
 STA. 3475+59.06
 SCALE: 1" = 50'

NOTE: Profile and Returns to be determined by Engineer in connection with future road.

FED. ROAD DIV. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
3	FLA.	FU-019-21(2)	58	47	

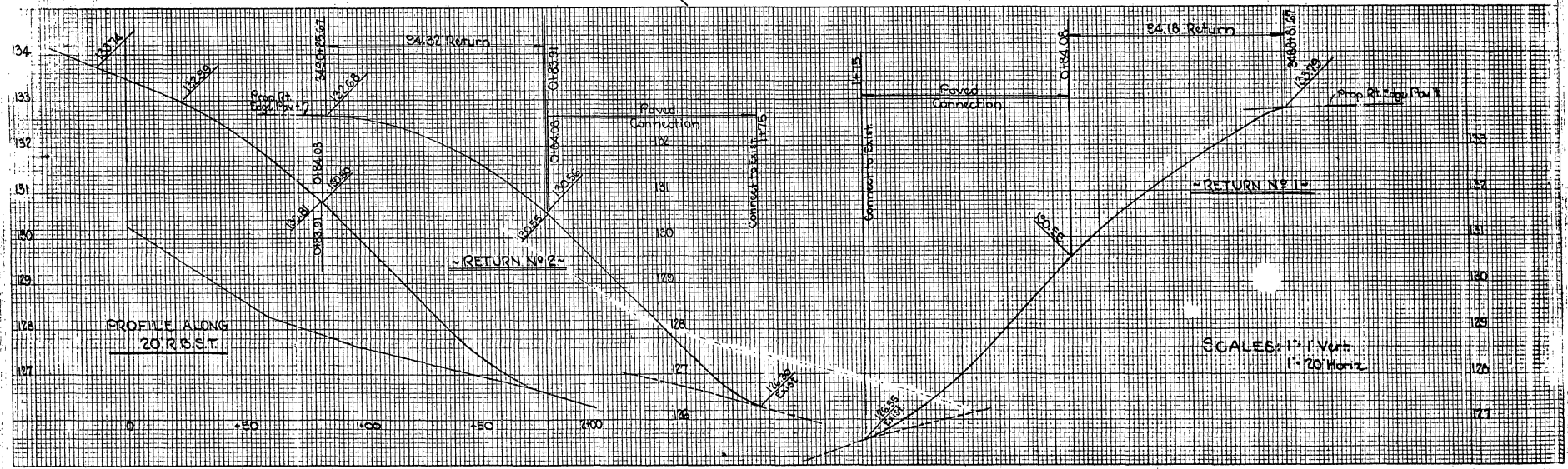
STATE JOB NOS. 08000-3508 / 00000-3509

Scale: 1"=50'

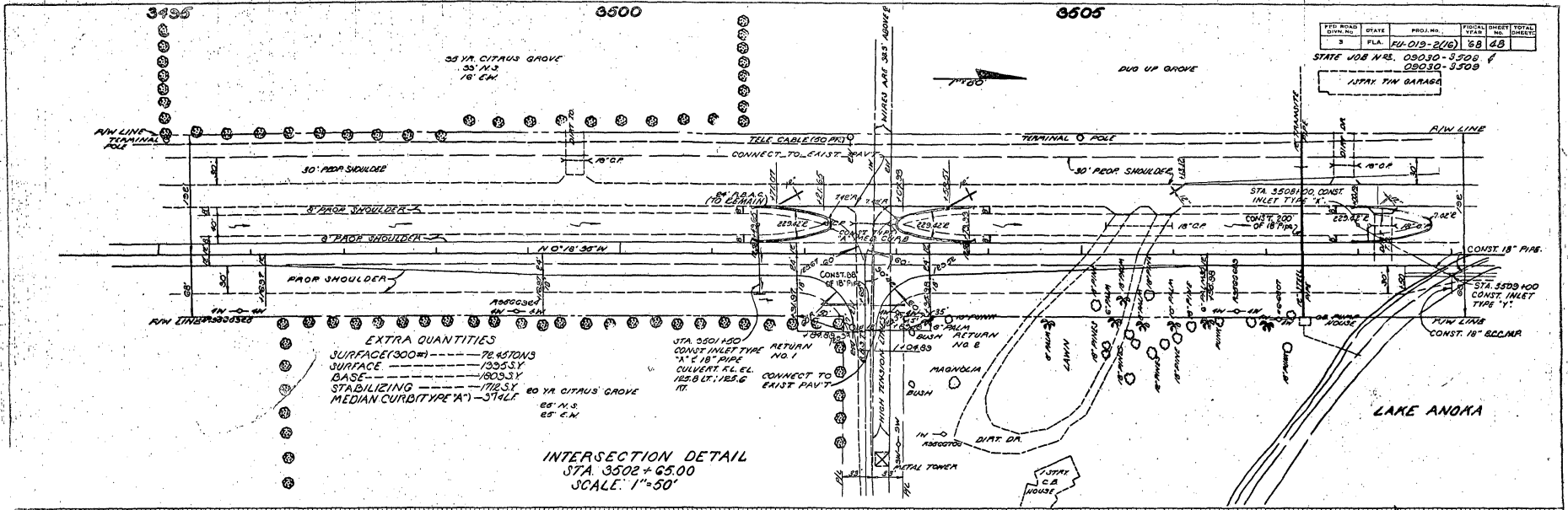


EXTRA QUANTITIES
 Pine and Palmetto
 SURFACE (300M)----- 78.87 STONS
 SURFACE----- 1020.31
 BASE----- 3014.31
 STABILIZING----- 1394.31
 MEDIAN CURB TYPE 'A'----- 374.1 F

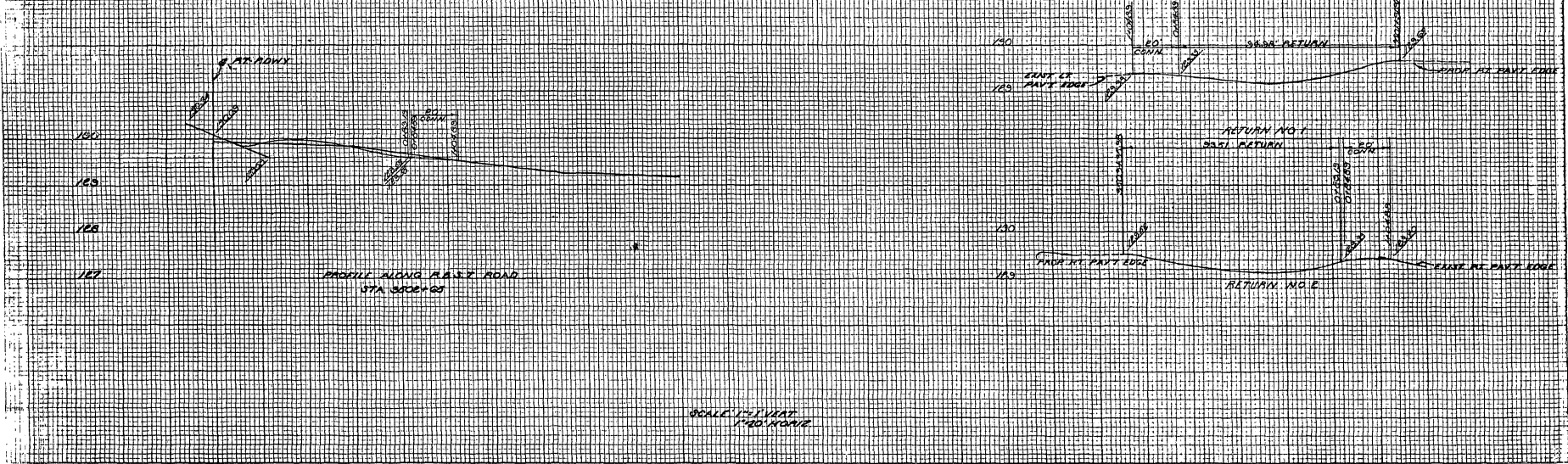
INTERSECTION DETAILS
STA. 3489+53.77
SCALE: 1"=50'



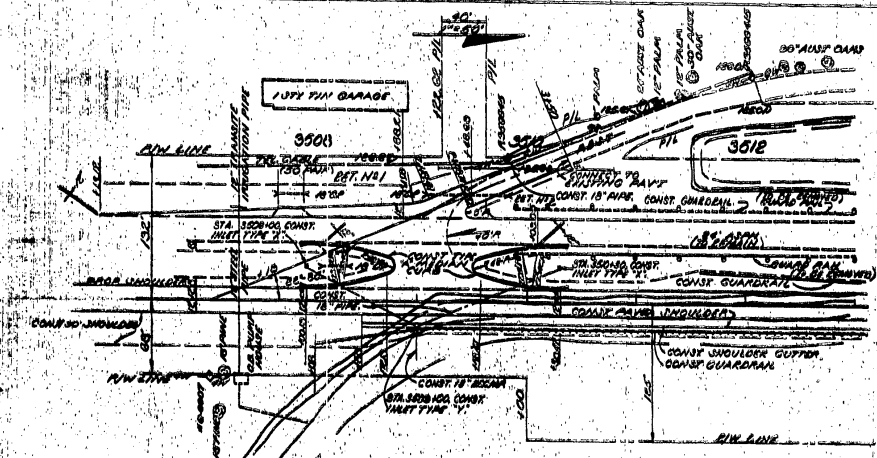
SCALES: 1"=1' Vert
 1"=20' Horiz



PROJ. ROAD DIST. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	FLA.	FA-019-2(16)	98	128
STATE JOB NRS. 09030-3509 09030-3509				
ALPAK TIM BARBAR				



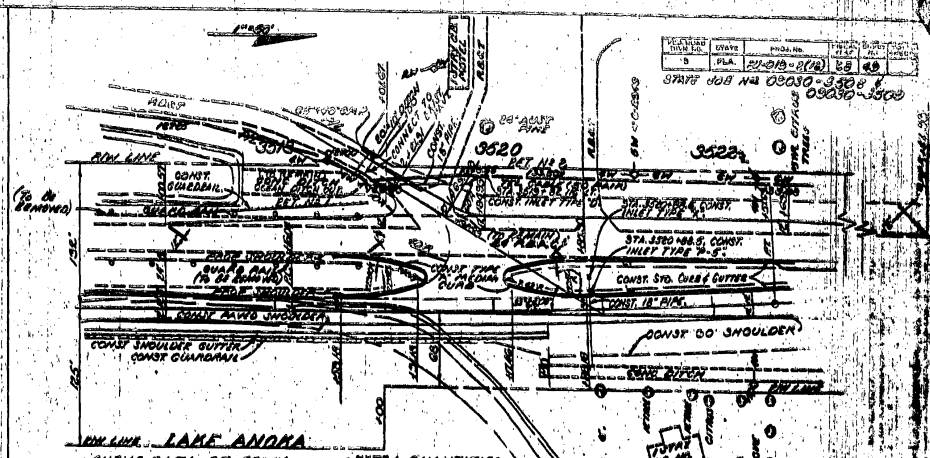
DATE	PLK.	PROJ. NO.	DATE
8	20-015-300	350	88
START JOB NO.	00030	350	
		00030-350	



-EXTRA QUANTITIES-
 SURFACE(300W) 750 S.Y.
 SURFACE 350 S.Y.
 BASE 100 S.Y.
 STABILIZING 100 S.Y.
 MEDIAN CURBTYPE "A" 154 L.F.

LAKE ANOKA

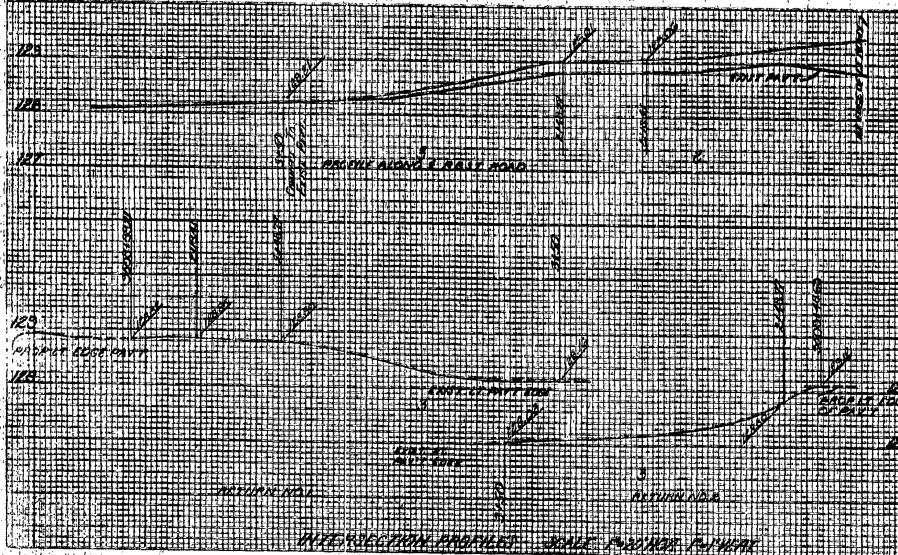
INTERSECTION DETAILS
 STA. 3507+49
 SCALE: 1"=50'



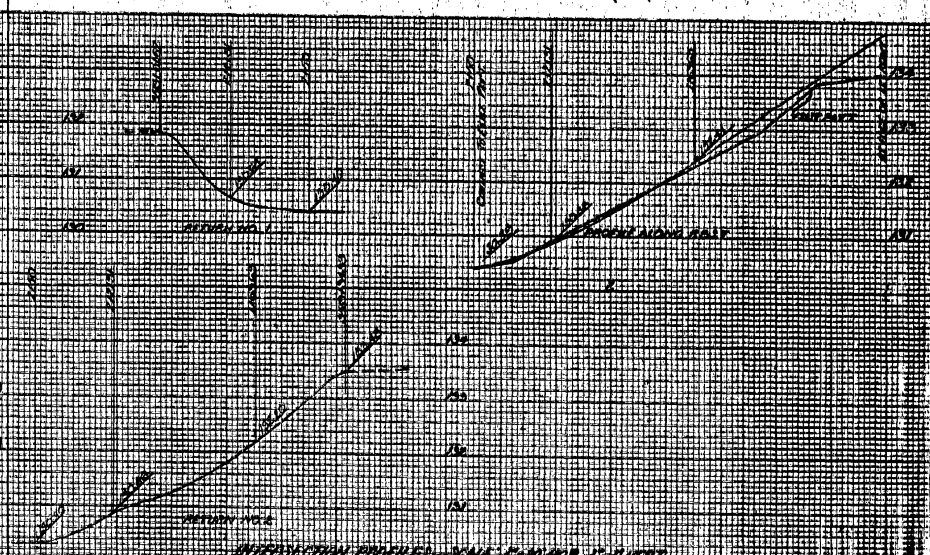
CURVE DATA PT. ROWX
 R1 JVA 3520+136.30
 41.5 1/2 143 L.F.
 7-22006
 1-14000
 1-7655 44'
 PG STA 3518+18.04
 PT JVA 3524+57.83
 JUBER 00641 FT

-EXTRA QUANTITIES-
 SURFACE(300W) 675 S.Y.
 SURFACE 154 S.Y.
 BASE 161 S.Y.
 STABILIZING 161 S.Y.
 MEDIAN CURBTYPE "A" 385 L.F.

INTERSECTION DETAILS
 STA. 3521+00
 SCALE: 1"=50'



INTERSECTION PROFILE SCALE 1"=20' HORIZ. 1"=4' VERT.

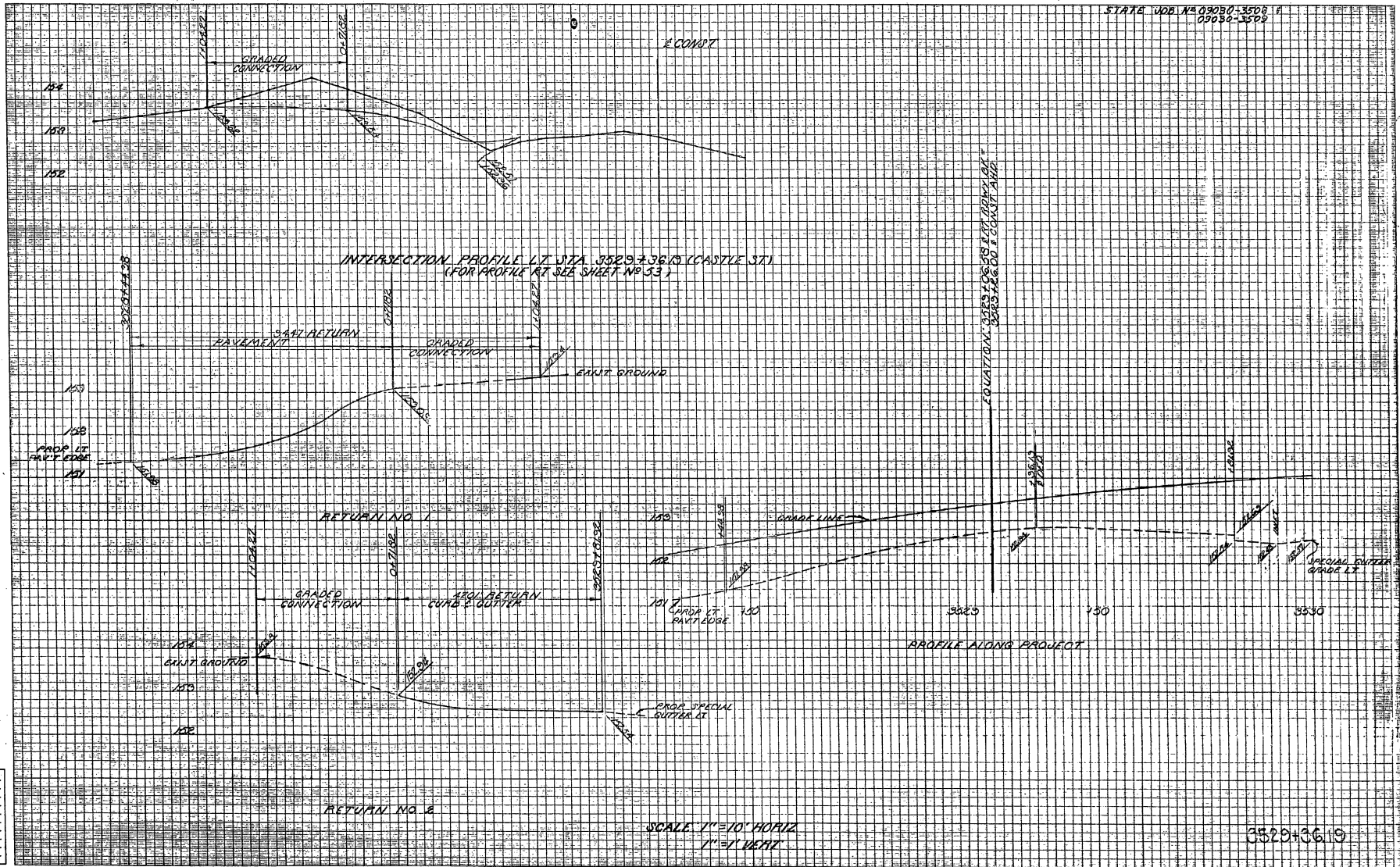


INTERSECTION PROFILE SCALE 1"=20' HORIZ. 1"=4' VERT.

CROSS SECTIONS

Job No.	Date	County	Sheet	Proj. No.	Sheet No.
2	7/1	HIGHLANDS	SE 24	EU-GY-210	32

STATE JOB NO. 09030-3508 I
09030-3509

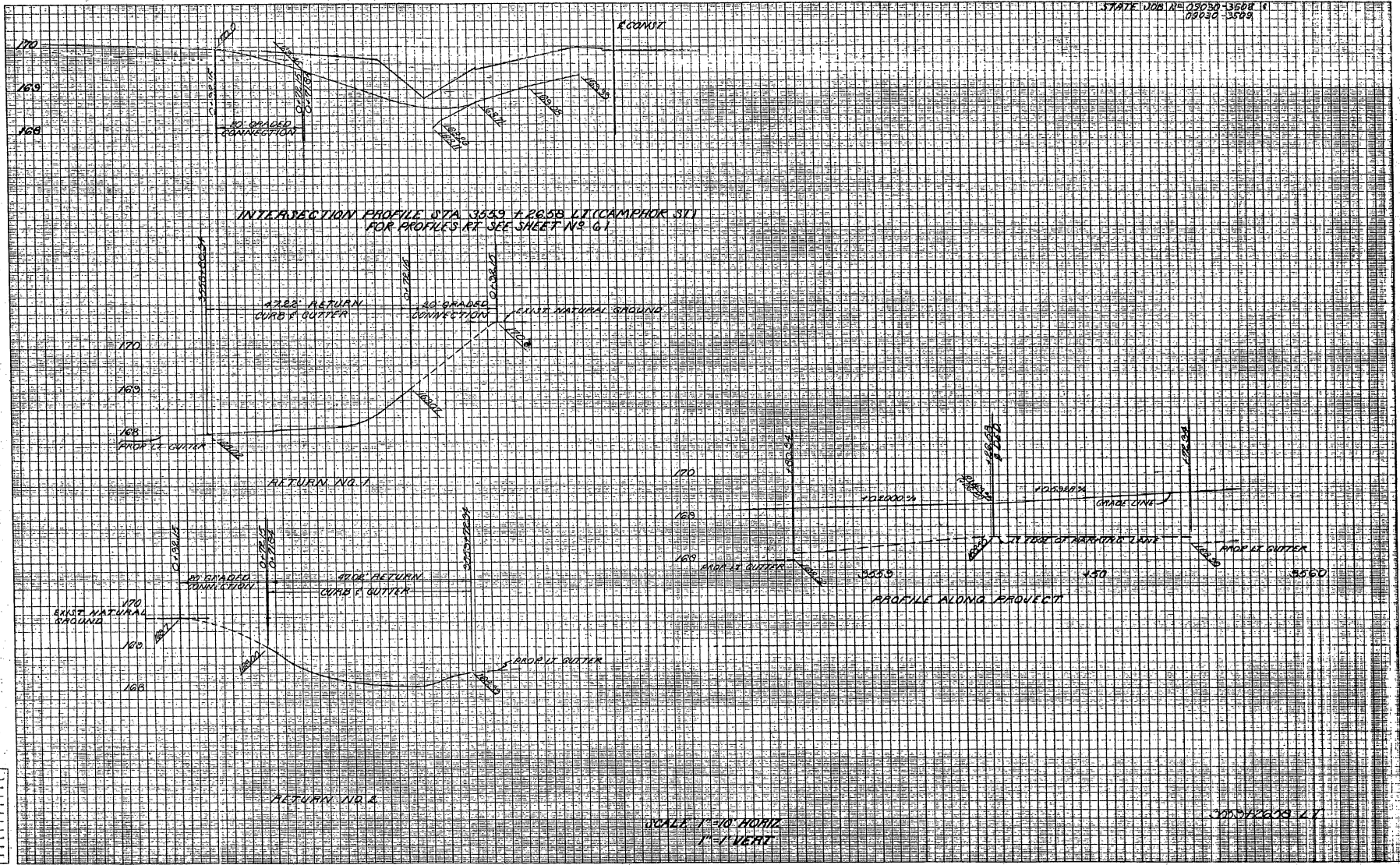


CROSS SECTIONS

Scale: 1" = 10' Horiz
1" = 1' Vert

Proj. No.	State	County	Route	Proj. No.	Sheet No.
8	Wis.	WISCONSIN	5-025	EU-019-212A	32

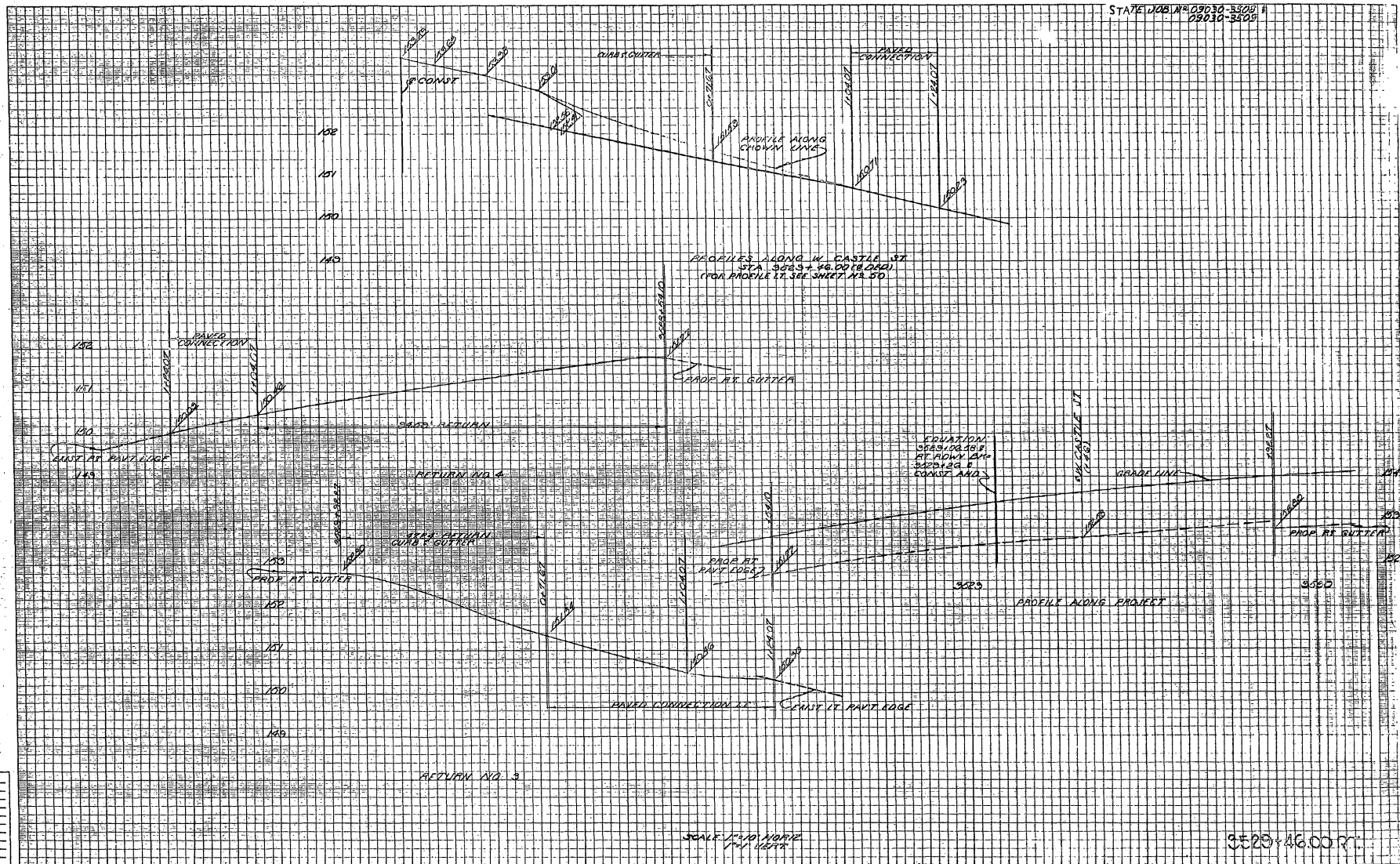
STATE JOB NO. 09030-3558 I
09030-3559



CROSS SECTIONS

Plan Sheet No.	State	County	Route	Proj. No.	Sheet No.
9	INDIANA	HIGHLAND	SR 25	PD-219-210	33

STATE JOB NO. 09030-3309
09030-3409



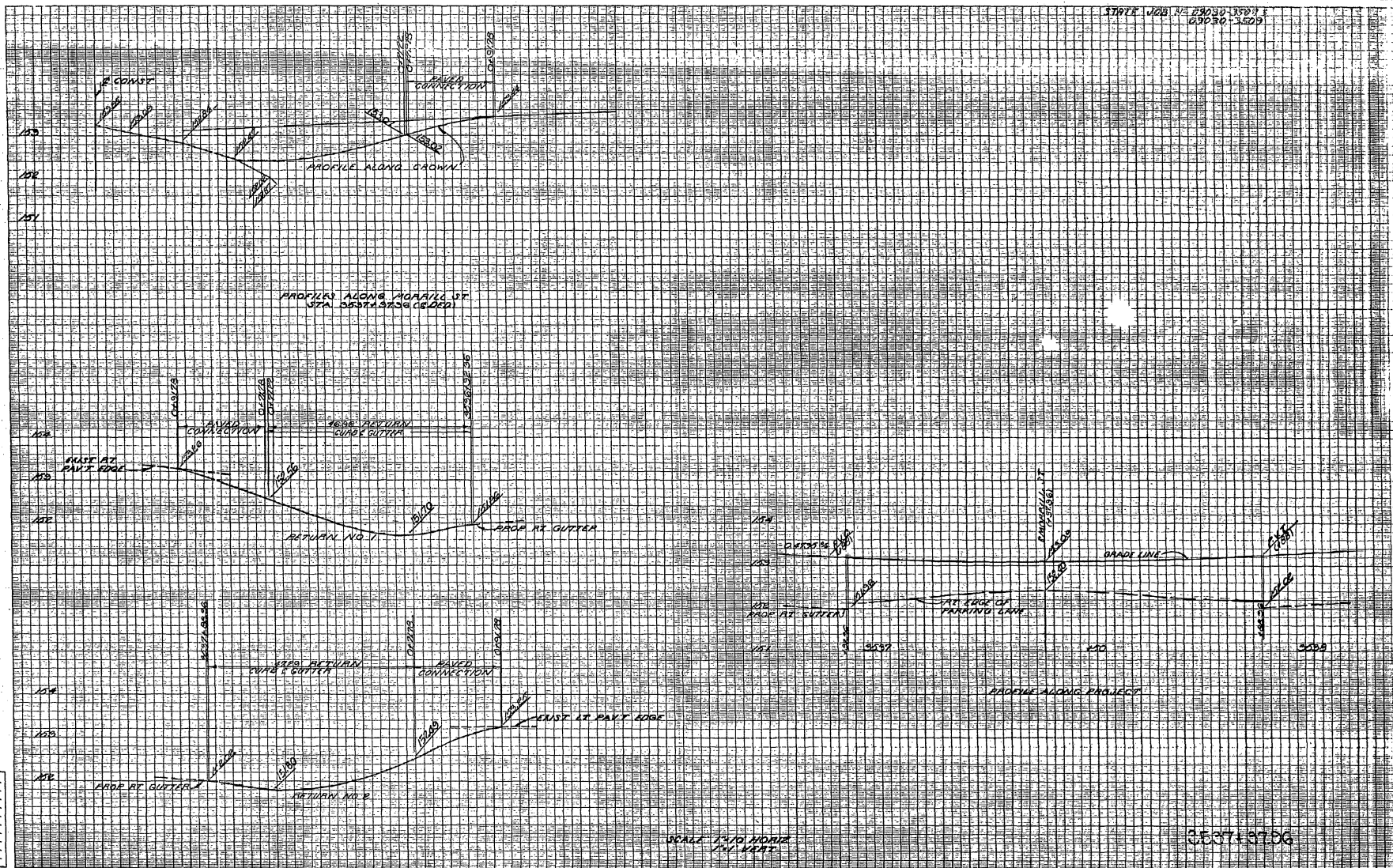
Checked by	_____
Designed by	_____
Drawn by	_____
Reviewed by	_____
Approved by	_____
Checked by	_____
Designed by	_____
Drawn by	_____
Reviewed by	_____
Approved by	_____

3520+46.00 P.C.

CROSS SECTIONS

Plan Sheet No.	Sheet	County	Route	Proj. No.	S. & M. No.
3	71c	HIGHLANDS	SR 25	EV-02-2721	32

STATE JOB NO. 25030-1350 &
05030-3509

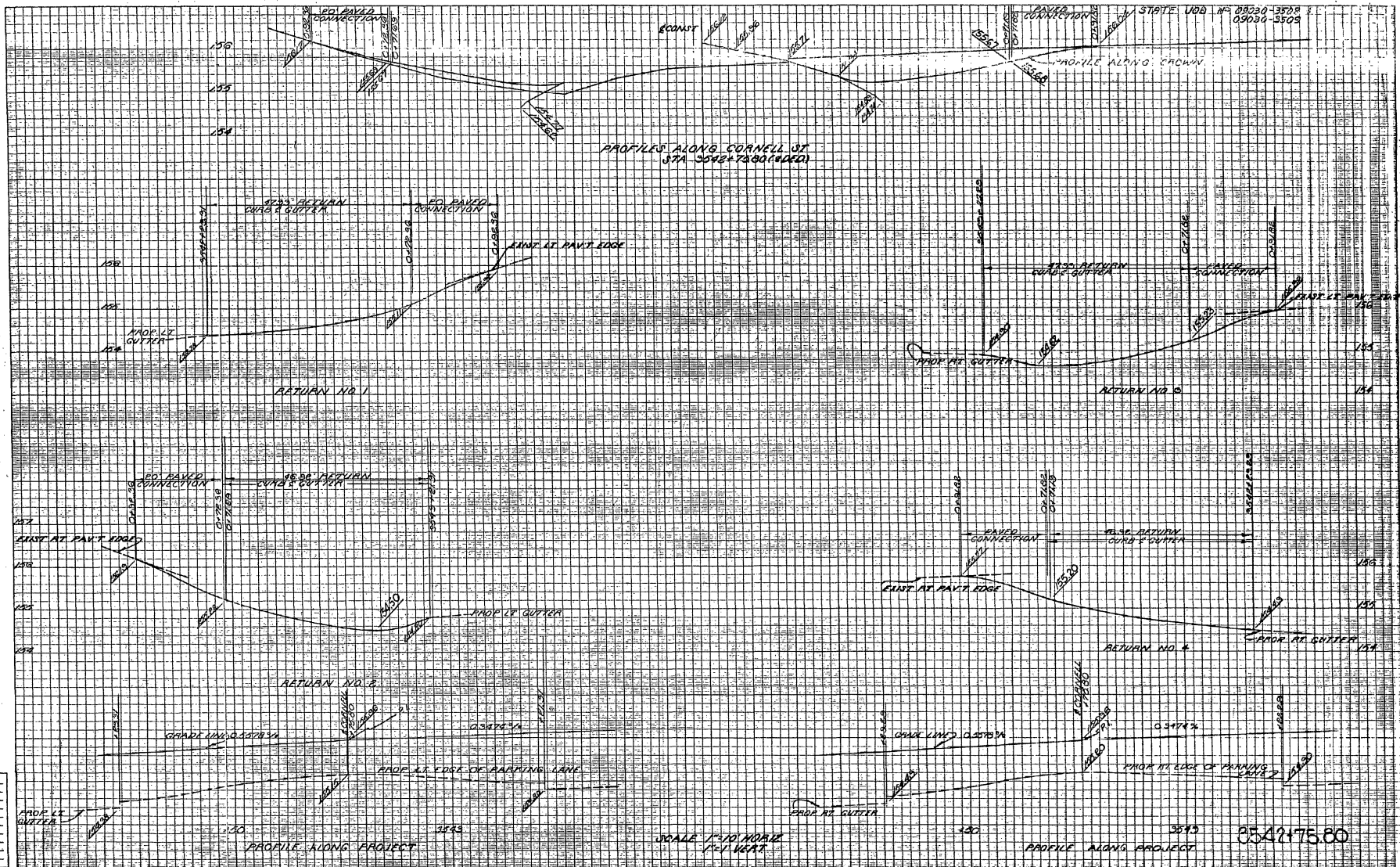


Checked by _____
Designed by _____
Drawn by _____
Reviewed by _____
Approved by _____
Scale _____
Date _____
Sheet No. _____
Total Sheets _____

CROSS SECTIONS

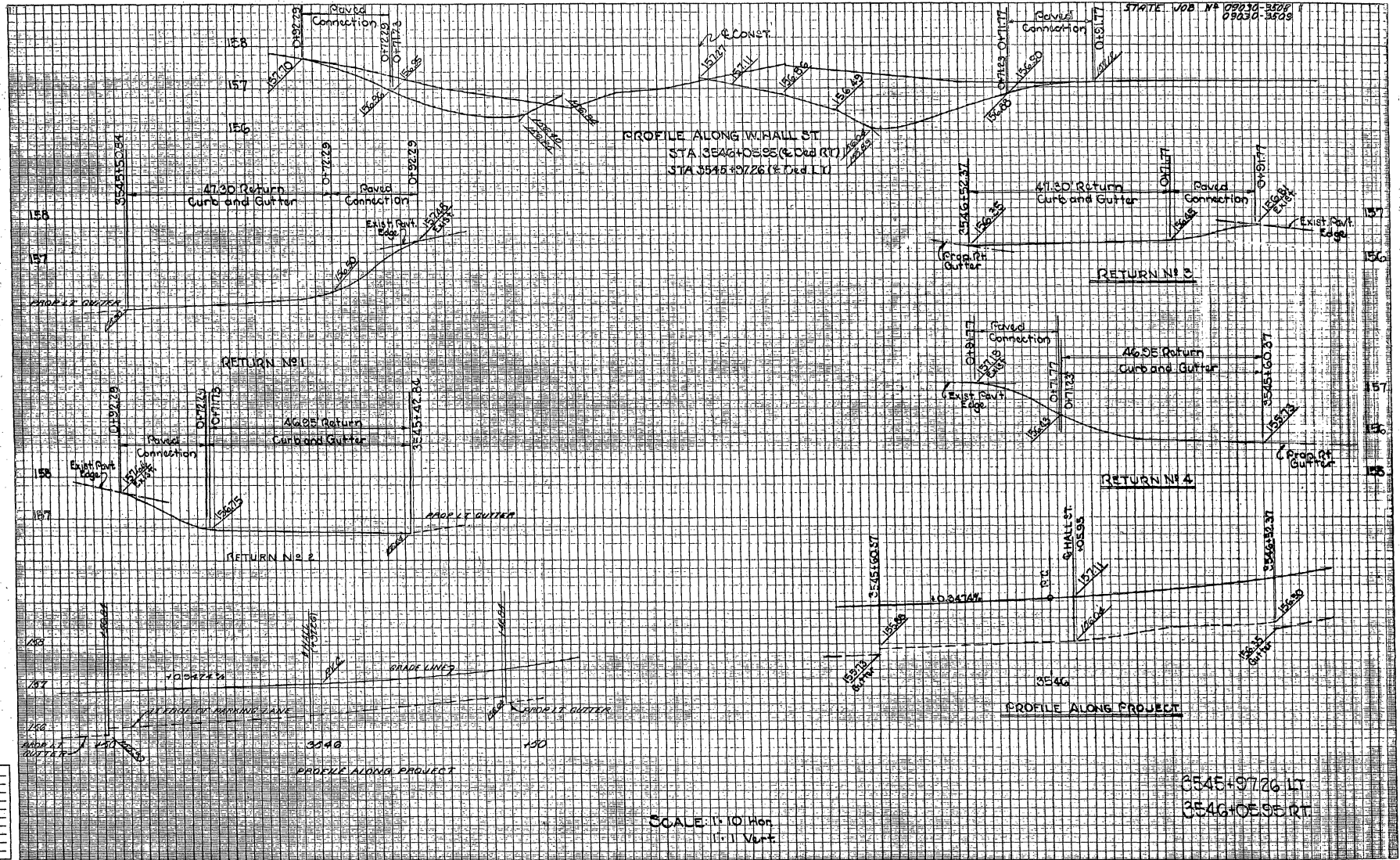
Dist. from Sta.	Sta.	County	Route	Proj. No.	Sheet No.
0	150	HIGHLAND	S.R. 23	EV-019-202A	36

STATE UOB No. 08230-3528
09030-3509



CROSS SECTIONS

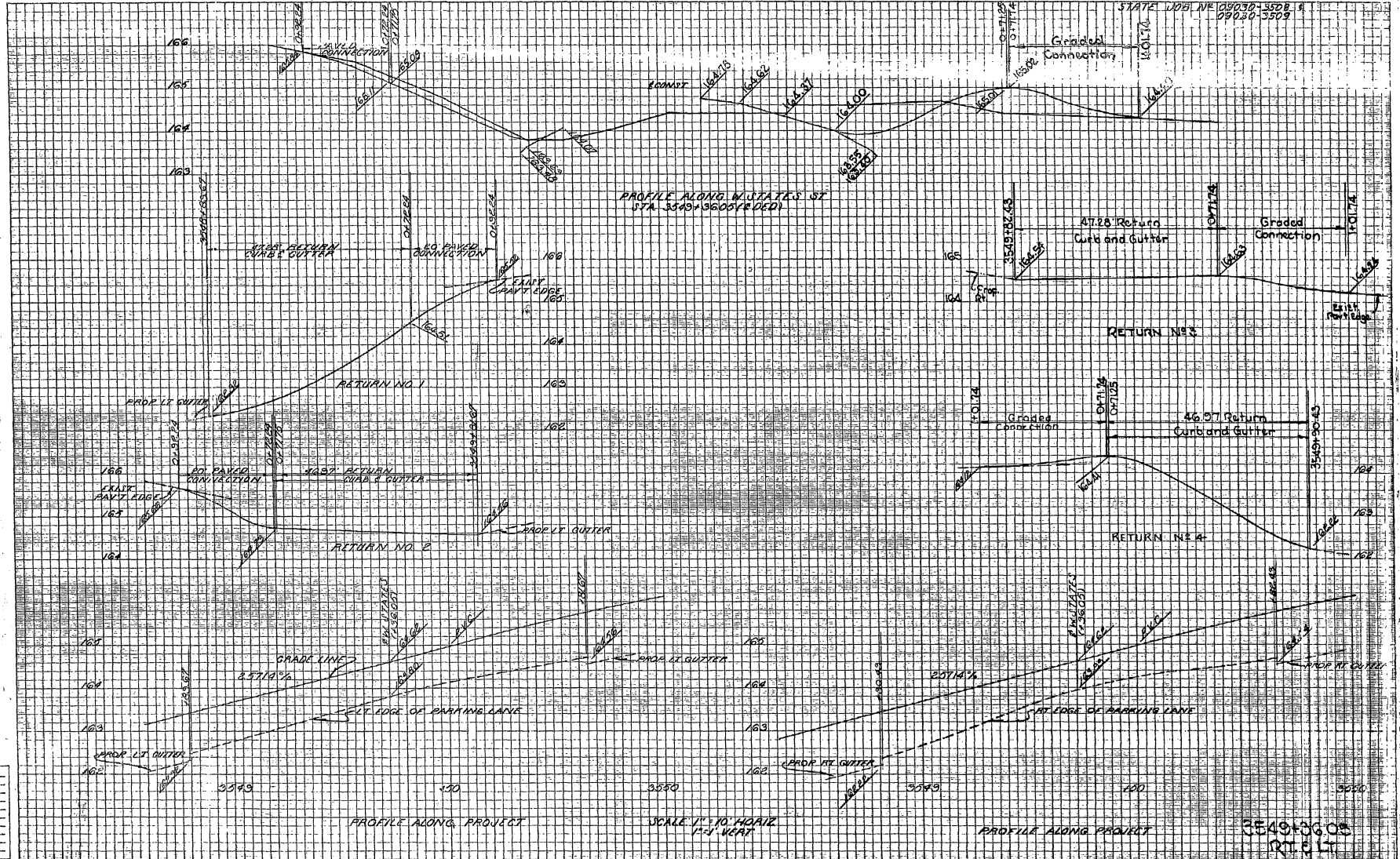
File No.	Date	County	Sheet	Proj. No.	Sheet No.
100030-3520	5-2-25	WISCONSIN	211-D19-N001		52



1. Checked by _____
2. Checked by _____
3. Checked by _____
4. Checked by _____
5. Checked by _____
6. Checked by _____
7. Checked by _____
8. Checked by _____
9. Checked by _____
10. Checked by _____

CROSS SECTIONS

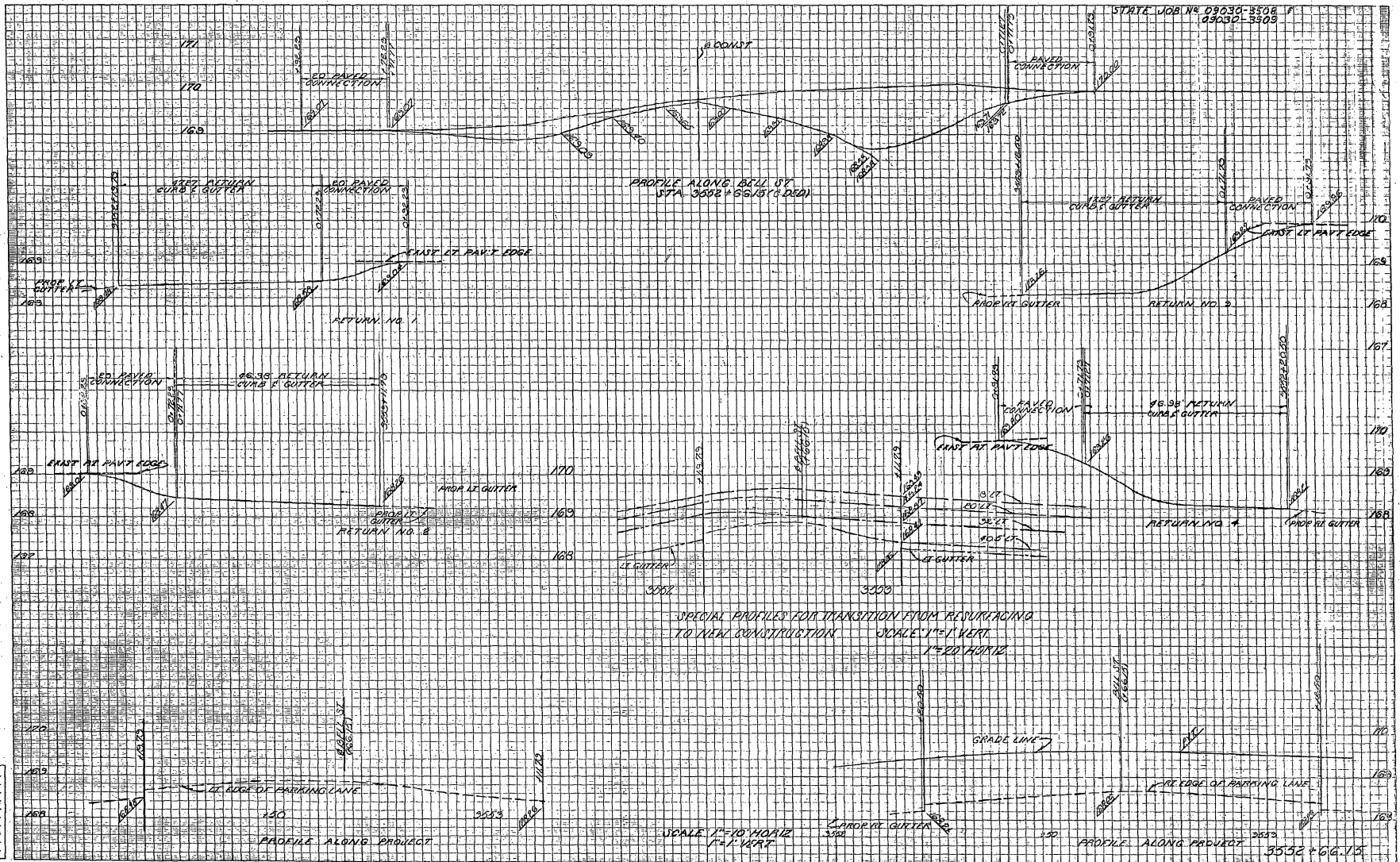
File No.	Sheet	County	Sheet	Proj. No.	Sheet No.
9	10	HIGHLAND	6273	EC-27-310	37



CROSS SECTIONS

File No.	State	County	Route	Proj. No.	Sheet No.
2	FLORIDA	HIGHLANDS	S.R. 28	EU-013-RUD	35

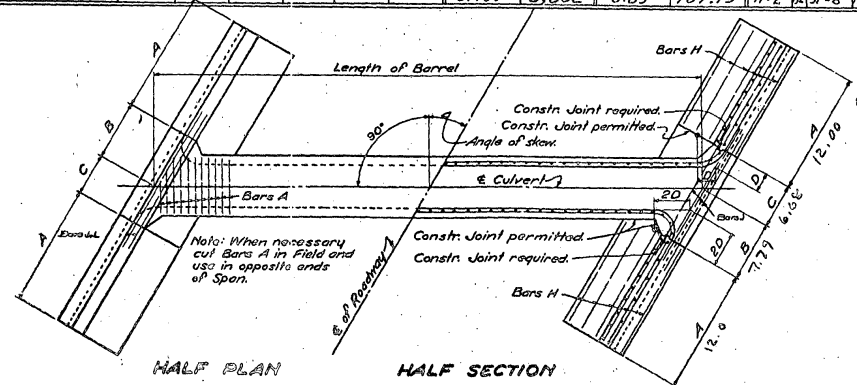
STATE JOB NO. D8030-5506
35032-5505



1. Checked by _____
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3. Checked by _____
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6. Checked by _____
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8. Checked by _____
9. Checked by _____
10. Checked by _____

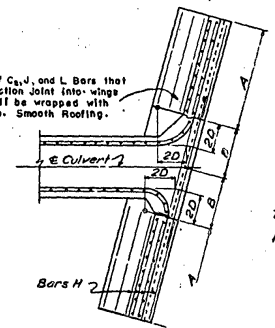
A. CORPUS
ENGINEER, P.E.

DIMENSIONS								ESTIMATED QUANTITIES				TABLE OF REINFORC. STEEL																	
CULVERT SPAN	CULVERT HEIGHT	MAX. FILL	ANGLE OF SKEW (A)	A	B	C	D	3FT. BARREL LENGTH		ADDITIONAL LENGTH		BARS A	BARS C	BARS C	BARS C	BARS E	BARS F	BARS H	BARS J	BARS K	BARS L	BARS V	BARS V	BARS V	BARS V	BARS V			
								CONCRETE CU. YD.	REINFORCING STEEL	CONCRETE CU. YD. PER L.Y. FT.	REINFORCING STEEL LB. PER L.Y. FT.	LENGTH	WIDTH	LENGTH	WIDTH	LENGTH	WIDTH	LENGTH	WIDTH	LENGTH	WIDTH	LENGTH	WIDTH	LENGTH	WIDTH	LENGTH	WIDTH	LENGTH	WIDTH
3'-0"	2'-0"		0°-15°																										
			15°-30°																										
	3'-0"	5'-0"	15°-30°	0°-15°	9'-0"			37.35	4,500	0.79	105.11	11'-2"																	
				15°-30°	10'-0"			37.78	4,571	0.79	105.11	11'-2"																	
	4'-0"	5'-0"	15°-30°	0°-15°	12'-9"			40.38	4,816	0.79	105.11	11'-2"																	
				15°-30°	10'-6"			42.08	4,917	0.83	107.79	11'-2"																	
	6'-0"	5'-0"	15°-30°	0°-15°	17'-9"			42.84	5,072	0.83	107.79	11'-2"																	
				15°-30°	17'-3"			50.40	5,710	0.88	110.46	11'-2"																	
		6'-0"	5'-0"	15°-30°	0°-15°	18'-3"			57.88	6,191	0.88	110.46	11'-2"																
					15°-30°	18'-6"			58.59	6,576	0.92	116.88	11'-2"																
		6'-0"	5'-0"	15°-30°	0°-15°	18'-6"			64.60	7,169	0.92	116.88	11'-2"																
					15°-30°	18'-6"																							
9'-0"		5'-0"	15°-30°	0°-15°	9'-0"			41.93	5,132	0.92	120.70	12'-6"																	
				15°-30°	10'-3"			42.61	5,240	0.92	120.70	12'-6"																	
		9'-0"	5'-0"	15°-30°	0°-15°	10'-2"			46.75	5,642	0.97	123.38	12'-6"																
					15°-30°	12'-0"			47.74	5,811	0.97	123.38	12'-6"																
		9'-0"	5'-0"	15°-30°	0°-15°	13'-6"			49.84	6,037	0.97	123.38	12'-6"																
					15°-30°	14'-0"			50.84	6,112	0.97	123.38	12'-6"																
	9'-0"	5'-0"	15°-30°	0°-15°	12'-3"			54.13	6,175	1.01	126.05	12'-6"																	
				15°-30°	13'-6"			55.12	6,300	1.01	126.05	12'-6"																	
	9'-0"	5'-0"	15°-30°	0°-15°	15'-6"			58.37	6,681	1.01	126.05	12'-6"																	
				15°-30°	16'-9"			59.60	6,847	1.01	126.05	12'-6"																	
	9'-0"	5'-0"	15°-30°	0°-15°	18'-3"			63.15	7,455	1.05	132.54	12'-6"																	
				15°-30°	17'-3"			66.95	7,897	1.05	132.54	12'-6"																	
9'-0"	5'-0"	15°-30°	0°-15°	18'-9"			69.93	7,906	1.05	132.54	12'-6"																		
			15°-30°	19'-9"			91.72	9,961	1.05	132.54	12'-6"																		
4'-0"	5'-0"	56'-00"	10'-0"				51.69	5,882	0.83	107.79	11'-2"																		

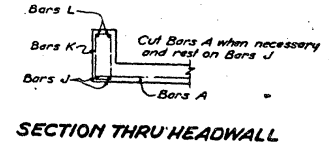


LAYOUT OF SKEW CULVERT WHEN θ VARIES FROM 15° TO 45°

Note: The portions of C₁, V, and L Bars that extend thru Construction Joint into wings above footings shall be wrapped with one layer of 85 lb. Smooth Roofing.



ERT WING 0° TO 15°

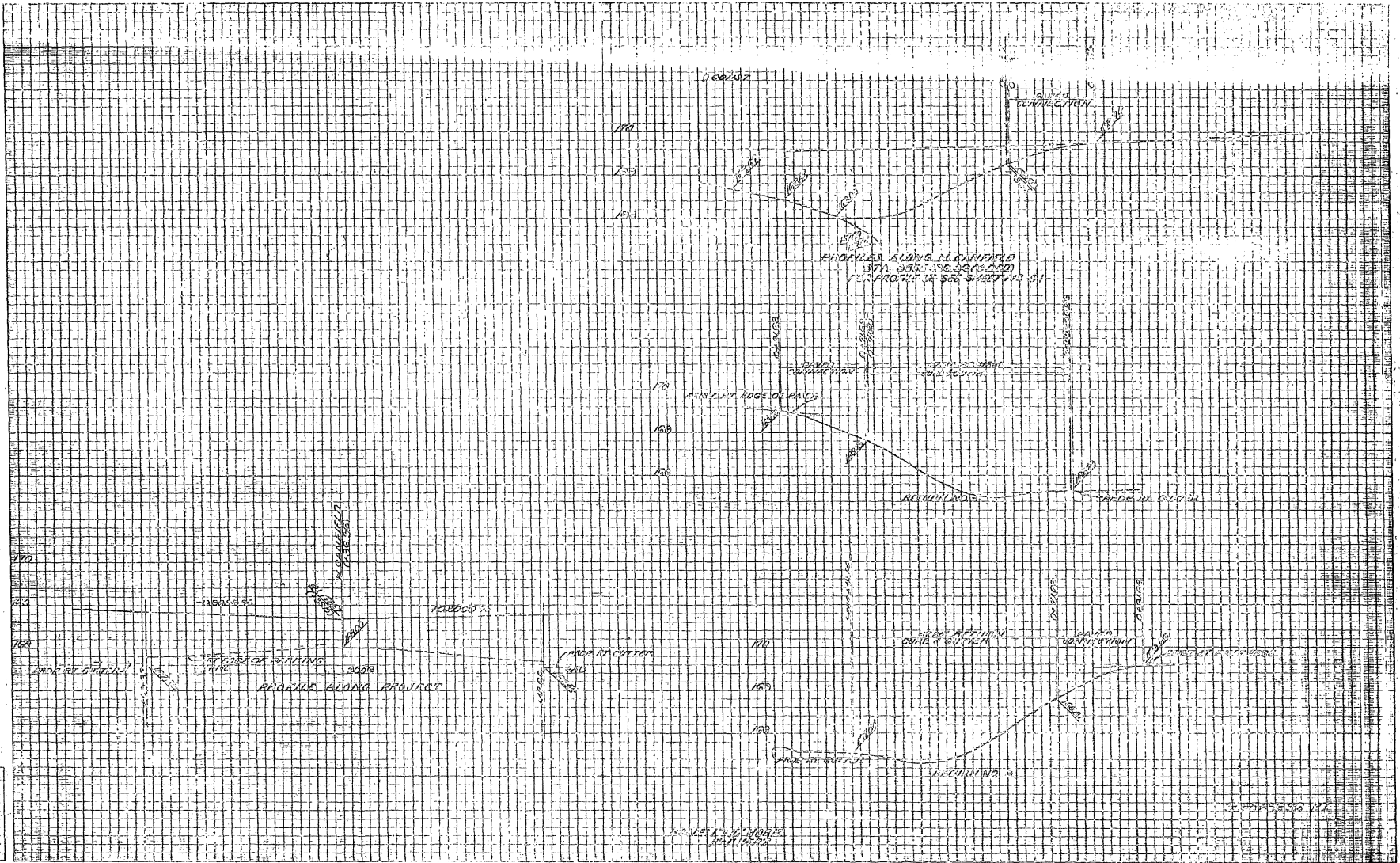


NOTES:
This Drawing to be used in conjunction with Index No. 8013 Dwg. 1 of 1.
For all details not shown see Index No. 8013 Dwg. 1 of 1.

STA		STATE R			
SINGLE SKEWED		2:3:4			
ROAD NO.	CO.	DATE	CLASS		
25	HIGHL				
REVISED	DATE	DESCRIPTION	DESIGNED BY	CHECKED BY	DRAWN BY

CROSS SECTIONS

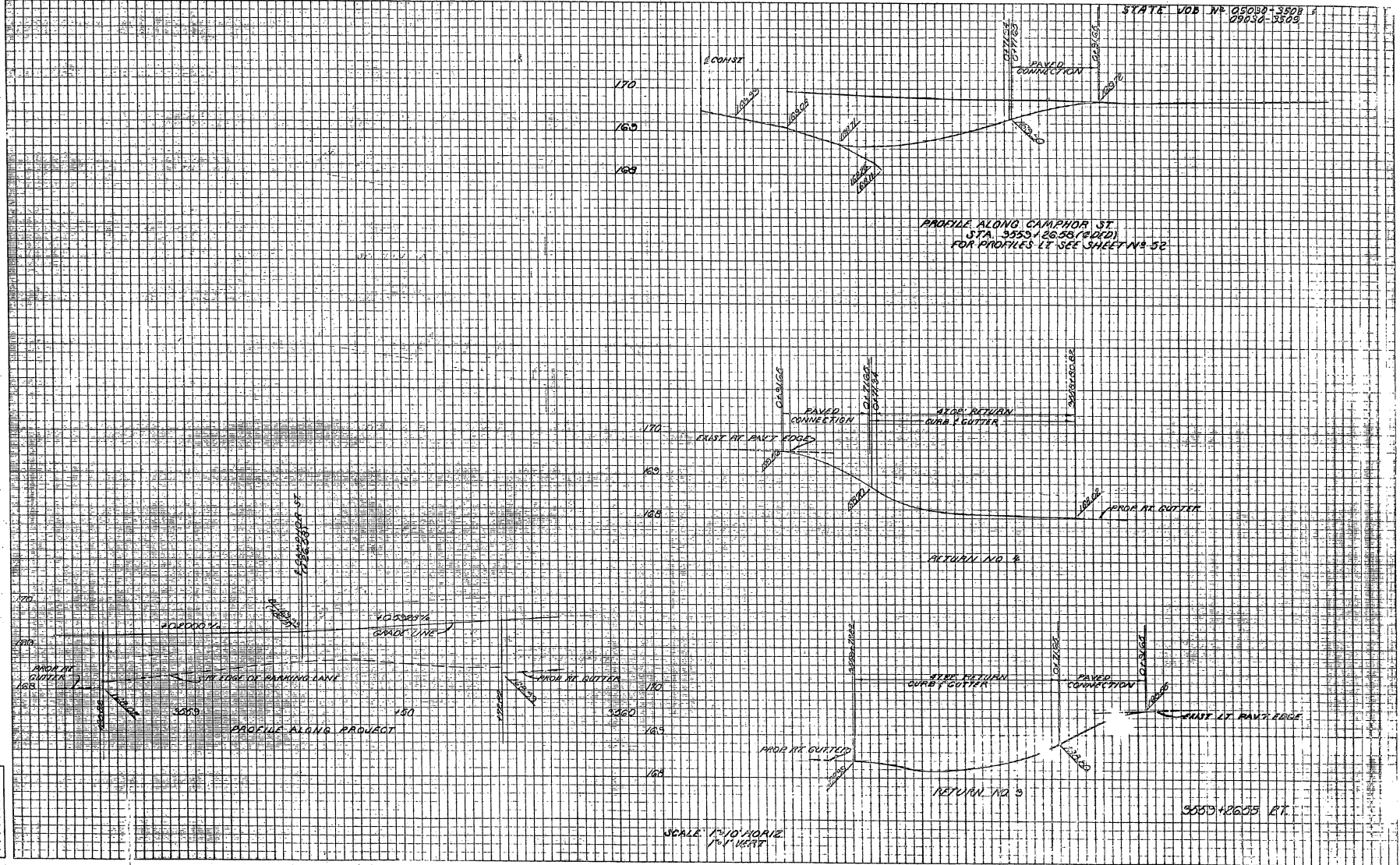
Scale	1" = 100'
Sheet No.	1
Date	1962
Project	...
Drawn by	...
Checked by	...



CROSS SECTIONS

Proj. No.	State	County	Route	Proj. No.	Sheet No.
3	Fla.	HIGHLANDS	S.R.R. FU-019-210	67	

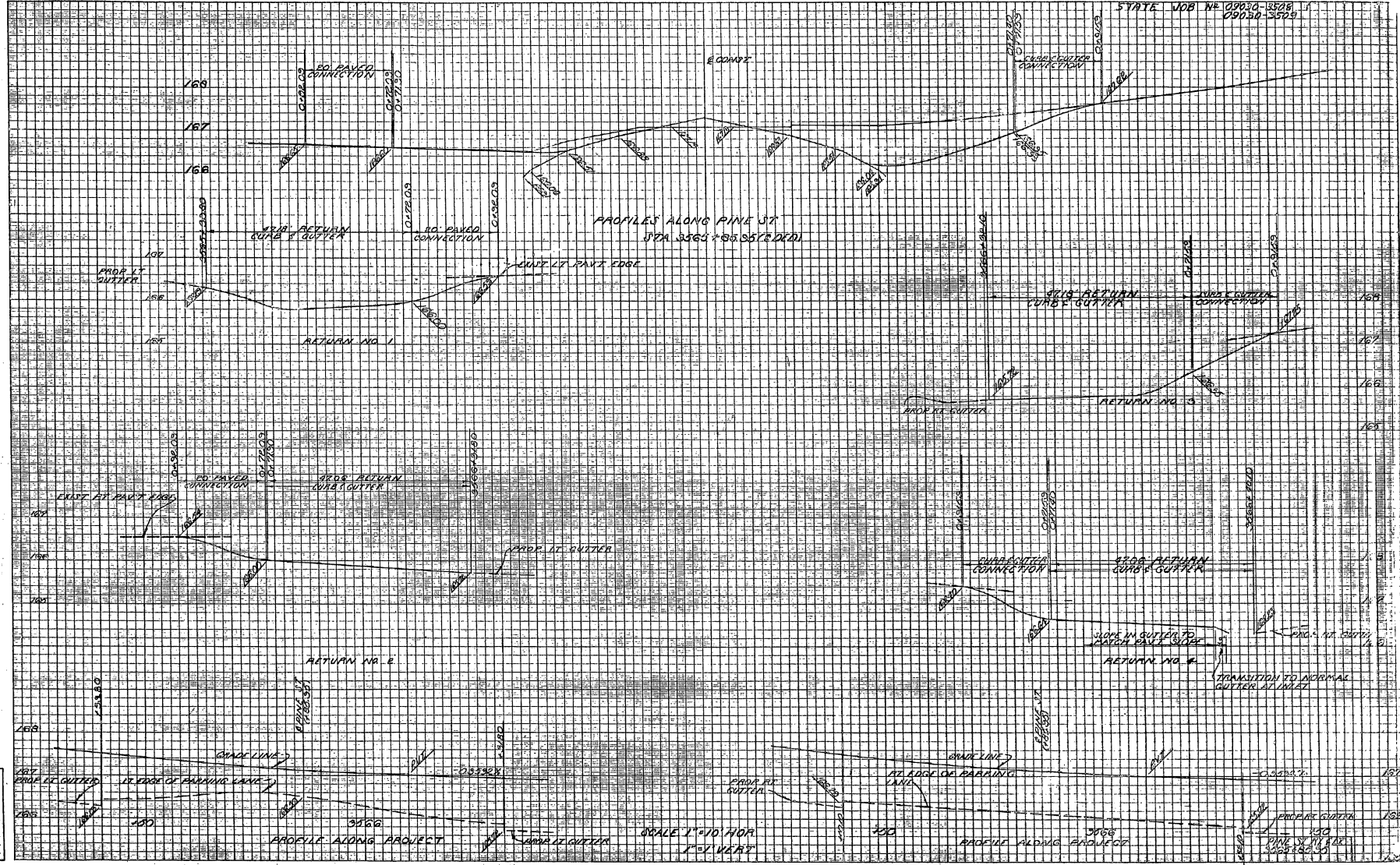
STATE JOB NO. 09080+3508
09030-3508



Prepared by	
Checked by	
Designed by	
Drawn by	
Reviewed by	
Approved by	
Scale	
Date	
Sheet No.	
Project No.	
State	
County	
Route	
Station	

CROSS SECTIONS

City	State	County	Sheet	Proj. No.	Scale
Highland	Ill.	Highland	15	100-211-210	1" = 40'



Prepared by:	
Checked by:	
Reviewed by:	
Approved by:	
Scale:	1" = 40'

SCALE 1" = 40' HOR
1" = 4' VERT

PROFILE GUTTER
150
PINE ST. 1/2" R.C.
34260-34300

S. N. No. 138

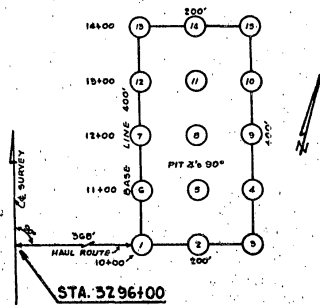
ELEV. 137.05

DESCRIPTION:

NO CLEARING AND GRUBBING OF BORROW PITS IS TO BE DONE WITHIN THREE FEET OF THE PROPERTY LINES, AND NO EXCAVATION IS TO BE DONE WITHIN FIVE FEET OF THE PROPERTY LINES.

NOTE EXCAVATE TO BOTTOM DEPTH OF SURVEY OR TO BOTTOM OF SUITABLE MATERIAL UNTIL SUFFICIENT BORROW HAS BEEN OBTAINED.

NOTE THIS PIT LOCATED TO COVER BORROW NEEDS FROM STA. 3276+00 TO STA. 3300+00.



APPROX. 25,000 cu yds.

APPROX. 25,000 cu yds.

SCALE: 1"=100'

CLEARING & GRUBBING: MEDIUM

BORROW PIT No. 1

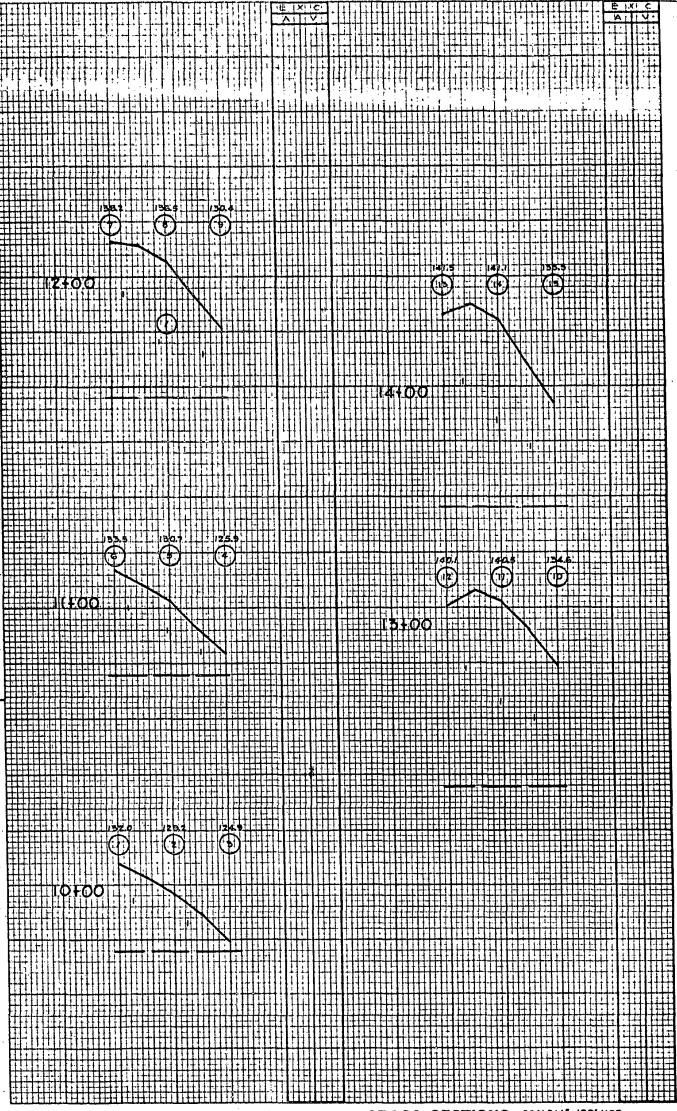
SECTION 09030-3508 & 09030-3509 ROAD No. 75

COUNTY HIGHLANDS

DESCRIPTION of STRATA

STRATUM #1 - LIGHT GREY SAND

SUBMITTED BY: C. W. MONTE DE OCA, DIST. ENGR.
 DISTRICT: 25
 SURVEYED BY: CHARLES CONNER, RADFORD & KULP
 DATE SURVEYED: FEB. 9, 1968



BORROW PIT No. 1

CROSS SECTIONS

SCALE: 1"=100' HOR. 1/4"=5' VERT.

STATE	COUNTY	ROAD No.	PROJECT No.	SHEET No.
FLA.	HIGHLANDS	75	FU-013-2(16)	68

State Job Nos. 09030-3508 & 09030-3509

Laboratory No.: 17708-3
 Project No.: FU-013-2(16)
 Road No.: 75
 District No.: First
 Submitted By: C. W. Monte De Oca

Date Sampled: 2/5-6/68
 Sampled By: Chaney
 Date Received: 2/19/68
 Date Tested: 2/23/68
 Date Reported: 2/23/68

REPORT OF TESTS OF MATERIAL FROM BORROW PIT NO. 1 FOR USE IN EMBANKMENT AND SUBGRADE

Stratum No.	LBR Value	MECHANICAL ANALYSIS						CONSTANTS		
		Pass 10 Mesh	Pass 40 Mesh	Pass 60 Mesh	Pass 100 Mesh	Pass 200 Mesh	No. 10 Sieve	Moisture Content Limit	Shrinkage Index	Group
1	22.3	100	87	31	5	2	1	W.P.	U.P.	A-3

NOTE: The above LBR value was determined by the District Laboratory. The material from Stratum 1 appears satisfactory for use in the embankment or subgrade.

Tested By: Coppedge & Tillie

Coppedge & Tillie
 REGIONAL MATERIAL, RESEARCH and Training

D. M. No. 141

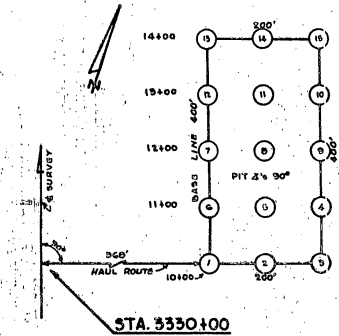
ELEV. 127.62

DESCRIPTION:

NO CLEARING AND GRUBBING OF BORROW PITS IS TO BE DONE WITHIN THREE FEET OF THE PROPERTY LINES AND NO EXCAVATION IS TO BE DONE WITHIN FIVE FEET OF THE PROPERTY LINES.

NOTE: EXCAVATE TO BOTTOM DEPTH OF SURVEY OR TO BOTTOM OF SUITABLE MATERIAL, UNTIL SUFFICIENT BORROW HAS BEEN OBTAINED.

NOTE: THIS PIT LOCATED TO COVER BORROW REQ'D FROM STA. 3313+00 TO STA. 3353+00



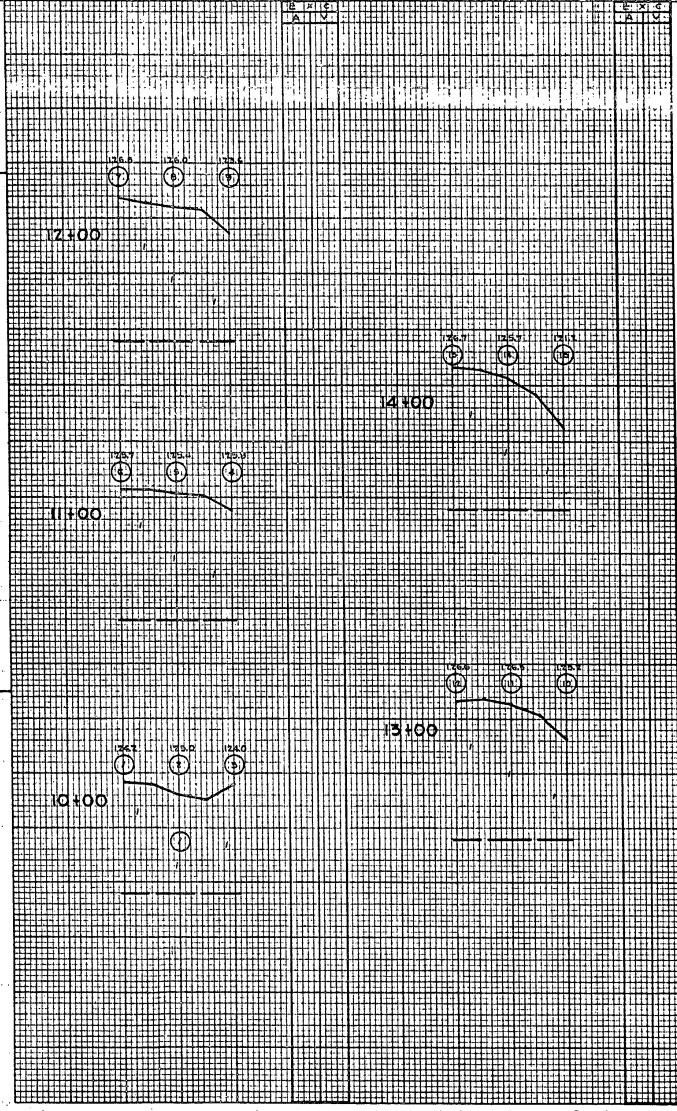
APPROX. 15,000 # REQ'D. APPROX. 10,000 # AVAIL.

SCALE: 1"=100'
CLEARING & GRUBBING: MEDIUM

BORROW PIT No. 2
09030-3508 &
SECTION 09030-3509 ROAD No. 25
COUNTY HIGHLANDS

DESCRIPTION of STRATA	
1	STRATUM #1 - LIGHT GRAY SAND

SUBMITTED BY: C. W. MONTE DE OCA, DIST. INGR.
DISTRICT: FIRST
SURVEYED BY: CHANCEY, CONNER, RADFORD & HULP
DATE SURVEYED: FEB. 5, 1969



BORROW PIT No. 2 CROSS SECTIONS SCALE: 1"=100' HOR. 1/2"=5' VERT.

STATE	COUNTY	ROAD No.	PROJECT No.	SHEET No.
FLA.	HIGHLANDS	25	FU-019-2(16)	67

State Job Nos. 09030-3508 & 09030-3509

Laboratory No.: 17705-S
Project No.: FU-019-2(16)
Road No.: 25
District No.: First
Submitted By: C. W. Monte De Oca

Date Sampled: 2/5/69
Sampled By: Chaney
Date Received: 2/19/69
Date Tested: 2/23/69
Date Reported: 2/23/69

REPORT OF TESTS OF MATERIAL FROM BORROW PIT NO. 2 FOR USE IN EMBANKMENT AND SUBGRADE

Stratum No.	LBR Value	MECHANICAL ANALYSIS						CONSTANTS		GROUP
		Pass 10 Mesh	Pass 40 Mesh	Pass 60 Mesh	Pass 100 Mesh	Pass 200 Mesh	Pass 400 Mesh	NO. 10 SIEVE	LIQUID PLASTIC LIMIT INDEX	
1	27.5	100	85	23	4	2	1	N.P.	N.P.	A-3

NOTE: The above LBR value was determined by the District Labors. The material from Stratum 1 appears satisfactory for use in the embankment or subgrade.

Tested By: Coppedge & Tillis

W. Blum
Supervisor of Materials Equipment and Training

B. M. No. 149

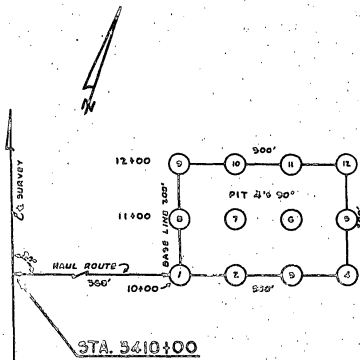
ELEV. 140.34

DESCRIPTION:

ALL CLEARING AND GRUBBING OF BORROW PITS IS TO BE DONE WITHIN THREE FEET OF THE PROPERTY LINES AND NO EXCAVATION IS TO BE DONE WITHIN THE FEET OF THE PROPERTY LINES.

NOTE: EXCAVATE TO BOTTOM DEPTH OF SURVEY OR TO BOTTOM OF SUITABLE MATERIAL UNTIL SUFFICIENT BORROW HAS BEEN OBTAINED.

NOTE: THIS PIT LOCATED TO COVER BORROW REQ'D FROM STA. 3550+00 TO STA. 3450+00.



APPROX. 20,000 CU YDS.

APPROX. 12,000 CU YDS.

SCALE: 1"=100'

CLEARING & GRUBBING: HEAVY

BORROW PIT No. 3

09030-3508 &

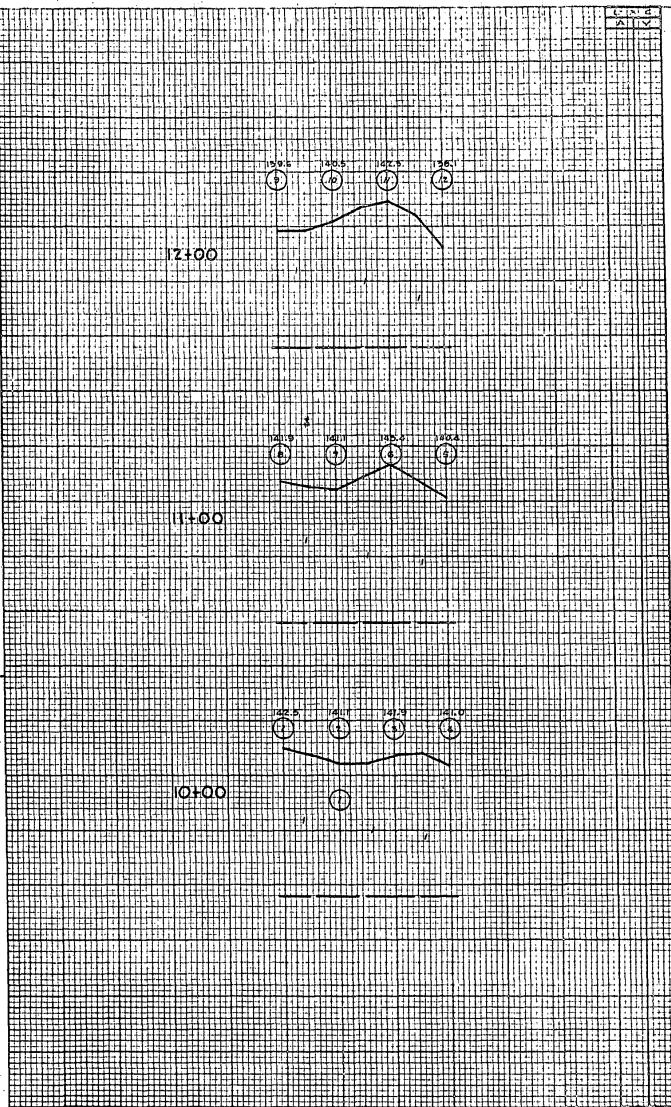
SECTION 09030-3509 ROAD No. 25

COUNTY HIGHLANDS

DESCRIPTION of STRATA

STRATUM N°1 - LIGHT GREY SAND

SUBMITTED BY: C. W. MONTE DE OCA, DIST. ENGR.
 DISTRICT: FIRST
 SELECTED BY: CHANCEY, CONNER, RADFORD & KULP
 DATE SUBMITTED: FEB. 1 & 2, 1968



BORROW PIT No. 3

CROSS SECTIONS SCALE: 1"=100' HOR. 1"=2' VERT.

STATE	COUNTY	ROAD NO.	PROJECT NO.	SHEET NO.
FLA	HIGHLANDS	25	EU-019-2(16)	6B

State Job Nos. 09030-3508 & 09030-3509

Laboratory No.: 17708-3
 Project No.: FU-019-2(16)
 Road No.: 25
 District No.: First
 Submitted By: C. W. Monte De Oca

Date Sampled: 2/1-2/68
 Sampled By: Chaney
 Date Received: 2/19/68
 Date Tested: 2/2/68
 Date Reported: 2/2/68

REPORT OF TESTS OF MATERIAL FROM BORROW PIT NO. 3 FOR USE IN EMBANKMENT AND SUBGRADE

Stratum No.	L.R. Value	MECHANICAL ANALYSIS						CONSTANTS		Group
		Pass 10 Mesh	Pass 40 Mesh	Pass 60 Mesh	Pass 100 Mesh	Pass 200 Mesh	Pass 400 Mesh	LIQUID LIMIT	PLASTIC INDEX	
1	25.0	100	85	31	5	2	1	N.P.	U.P.	A-3

NOTE: The above L.R. value was determined by the District Laboratory. The material from Stratum 1 appears satisfactory for use in the embankment or subgrade.

Tested By: Coppedge & Tillis

W. B. ...
 Engineer of Materials Research and Testing

D. No. 54

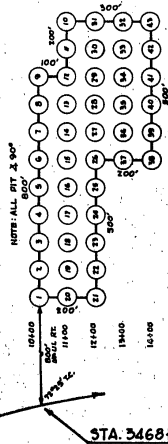
ELEV 127.08

DESCRIPTION:

ALL CLEARING AND GRUBBING OF BORROW PITS IS TO BE DONE WITHIN THREE FEET OF THE PROPERTY LINES, AND NO EXCAVATION IS TO BE DONE WITHIN FIVE FEET OF THE PROPERTY LINES.

NOTE: EXCAVATE TO BOTTOM DEPTH OF SURVEY OR TO BOTTOM OF SUITABLE MATERIAL UNTIL SUFFICIENT BORROW HAS BEEN OBTAINED.

NOTE: THIS PIT LOCATED TO COVER BORROW REQ'D FROM STA. 3508+00 TO STA. 3521+00



APPROX. 85,000 YD REQ'D.

APPROX. 120,000 YD AVAIL.

SCALE: 1" = 100'

CLEARING & GRUBBING: MEDIUM

BORROW PIT No. 5
(TO REPLACE PIT No. 4)

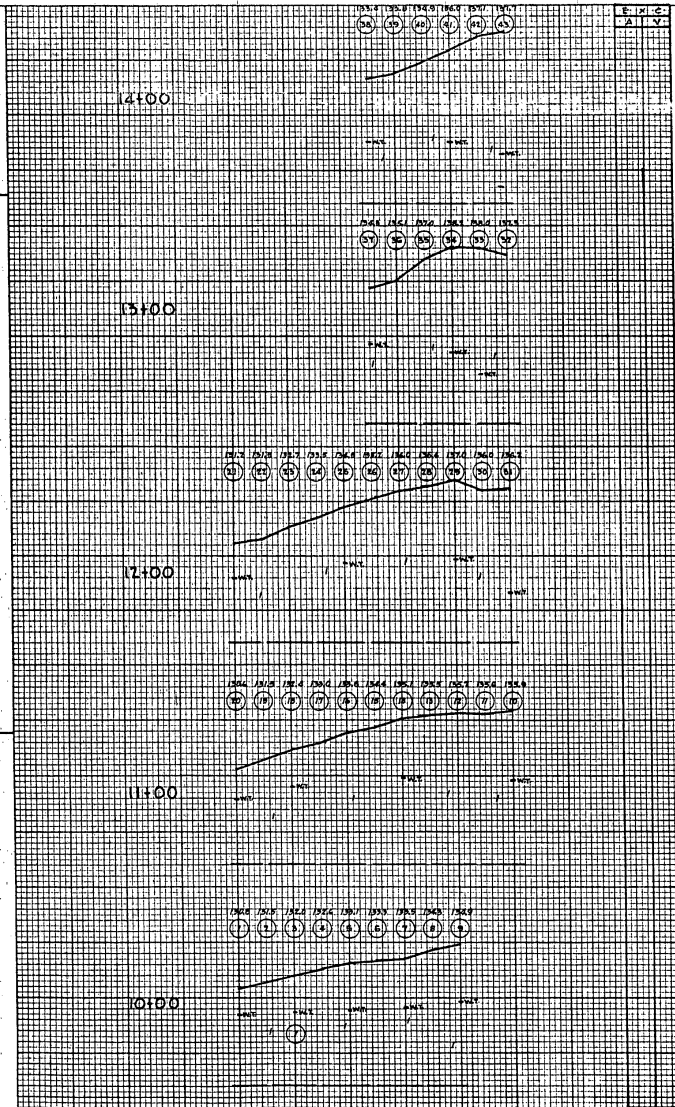
SECTION 09030-3508 & ROAD No. 25
09030-3509

COUNTY HIGHLANDS

DESCRIPTION of STRATA

STRATUM No. 1 - LIGHT GREY & BROWN SAND

SUBMITTED BY: C. W. MONTE DE OCA, DIST. ENGR.
DISTRICT: FIRST
SURVEYED BY: CHANCEY, CONNER, RADFORD & KULP
DATE SURVEYED: FEB. 9-8 & APR. 14, 1968



BORROW PIT No. 5 CROSS SECTIONS 1" = 100' HOR. 1" = 5' VERT.

STATE	COUNTY	ROAD No.	PROJECT No.	SHEET No.
FLA.	HIGHLANDS	25	FU-09-2(16)	69

State Job Nos. 09030-3508 &
09030-3509

Laboratory No.: 17708-S
Project No.: 09030-3508 & 3509 FU-09-2(16)
Road No.: First
District No.: C. W. Monte De Oca
Submitted By:

Date Sampled: 2/5/68
Sampled By: Chancey
Date Received: 2/19/68
Date Tested: 2/23/68
Date Reported: 3/10/68

REPORT OF TESTS OF MATERIAL FROM BORROW PIT NO. 5 FOR USE IN EMBANKMENT AND SUBGRADE

Stratum No.	LSS Value	MECHANICAL ANALYSIS					CONSTANTS MATERIAL PASSING NO. 40 SIEVE Liquid Plastic Limit Index	GROUP
		Pass 10 Mesh	Pass 40 Mesh	Pass 60 Mesh	Pass 100 Mesh	Pass 200 Mesh		
1	31.3	100	87	37	6	3	U.P. U.P.	A-3

NOTE: The above LSS value was determined by the District Laboratory. The material from Stratum 1 appears satisfactory for use in the embankment or subgrade.

Tested By: Coppedge & Tillis

W. B. ...
Engineer - MATERIALS ENGINEER and Training

Dist.	State	County	Route	Proj.	Sheet No.
1	Fla.	HIGHLANDS	29	EU-019-2(16)	70
					LAB. NO. 167265

STATE ROAD DEPARTMENT OF FLORIDA

DIVISION OF TESTS

PROJECT NO. EU-019-2(16)

PROFILE SUBGRADE SURVEY FOR THE DESIGN OF ROAD

SURVEY BEGINS STA. 3260+00

SURVEY ENDS STA. 3287+00

DATE OF SURVEY OCT. 26 - NOV. 16, 1967

SURVEY MADE BY CHANCEY, WILLIS & KULP

SUBMITTED BY C.W. MONTS DE OCA, DIST. ENGR.

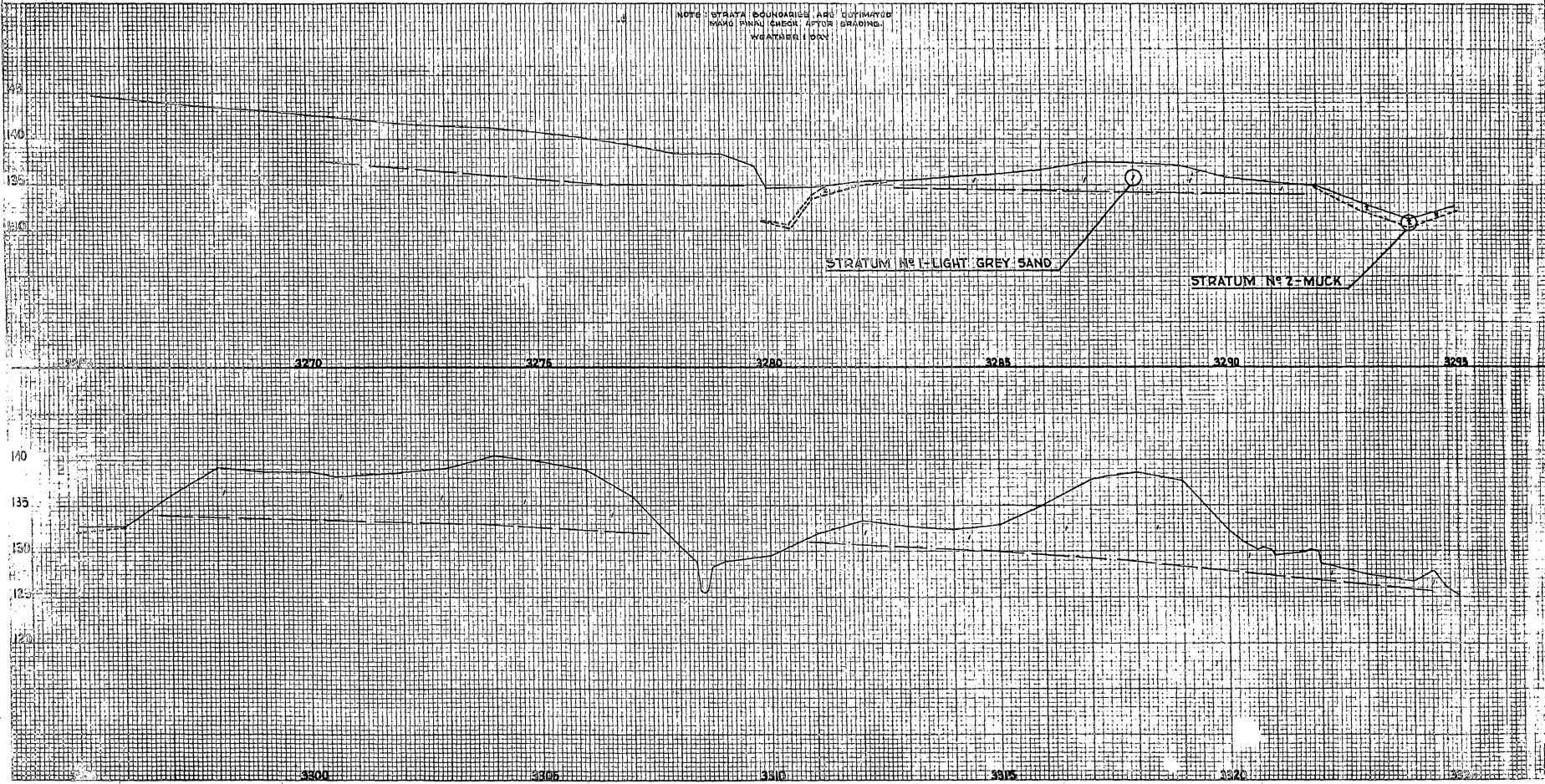
State Job Nos. 08030-3503 & 08030-3509

DIVISION NO. 1

ROAD NO. 28

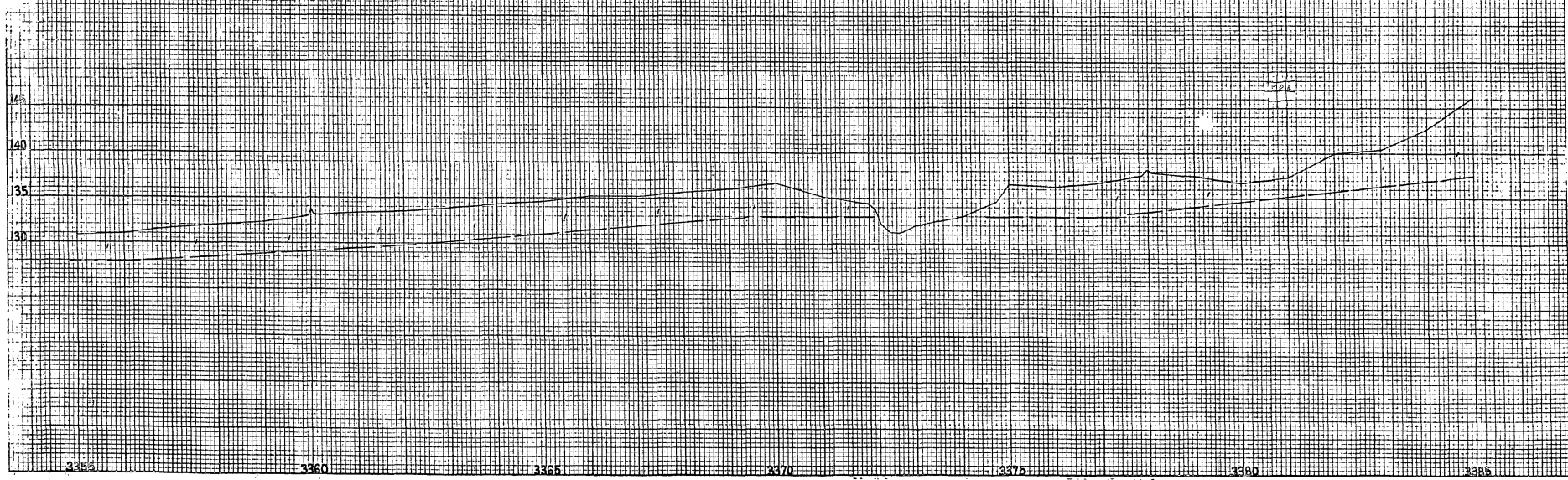
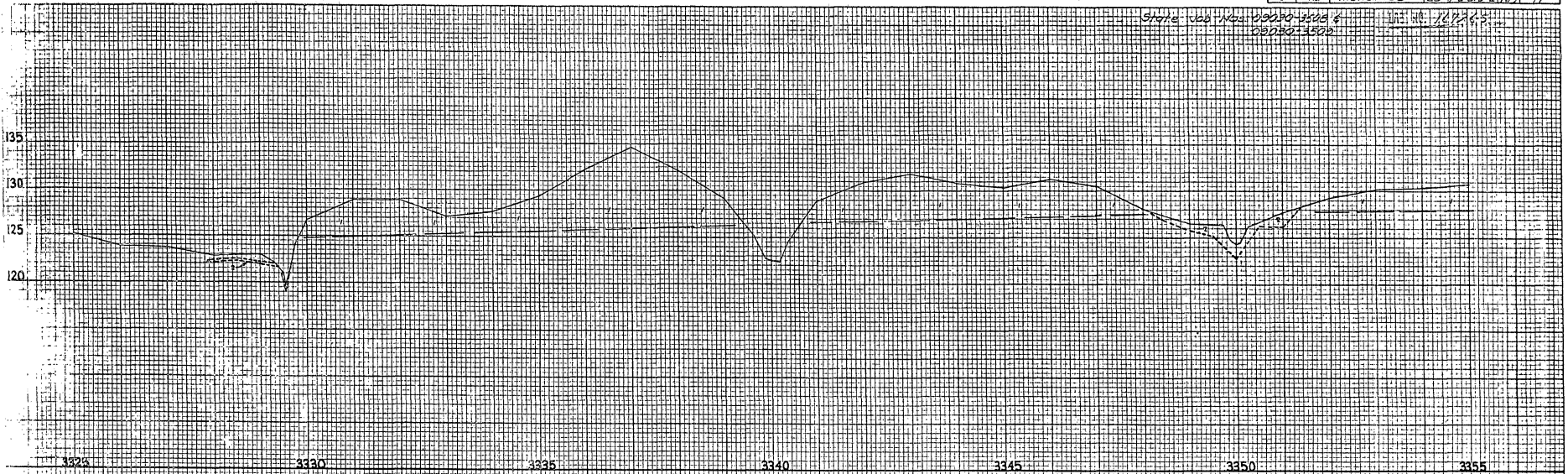
COUNTY: HIGHLANDS

NOTE: STRATA DOUNOASIS AND OUTKIRKUP
MAY BE CHECKED BY TOP GRADE
WGATARD, DAN



Map No.	State	County	Route	Proj. No.	Sheet No.
3	Fla.	HIGHLANDS	25	EU-013-E(16)	71

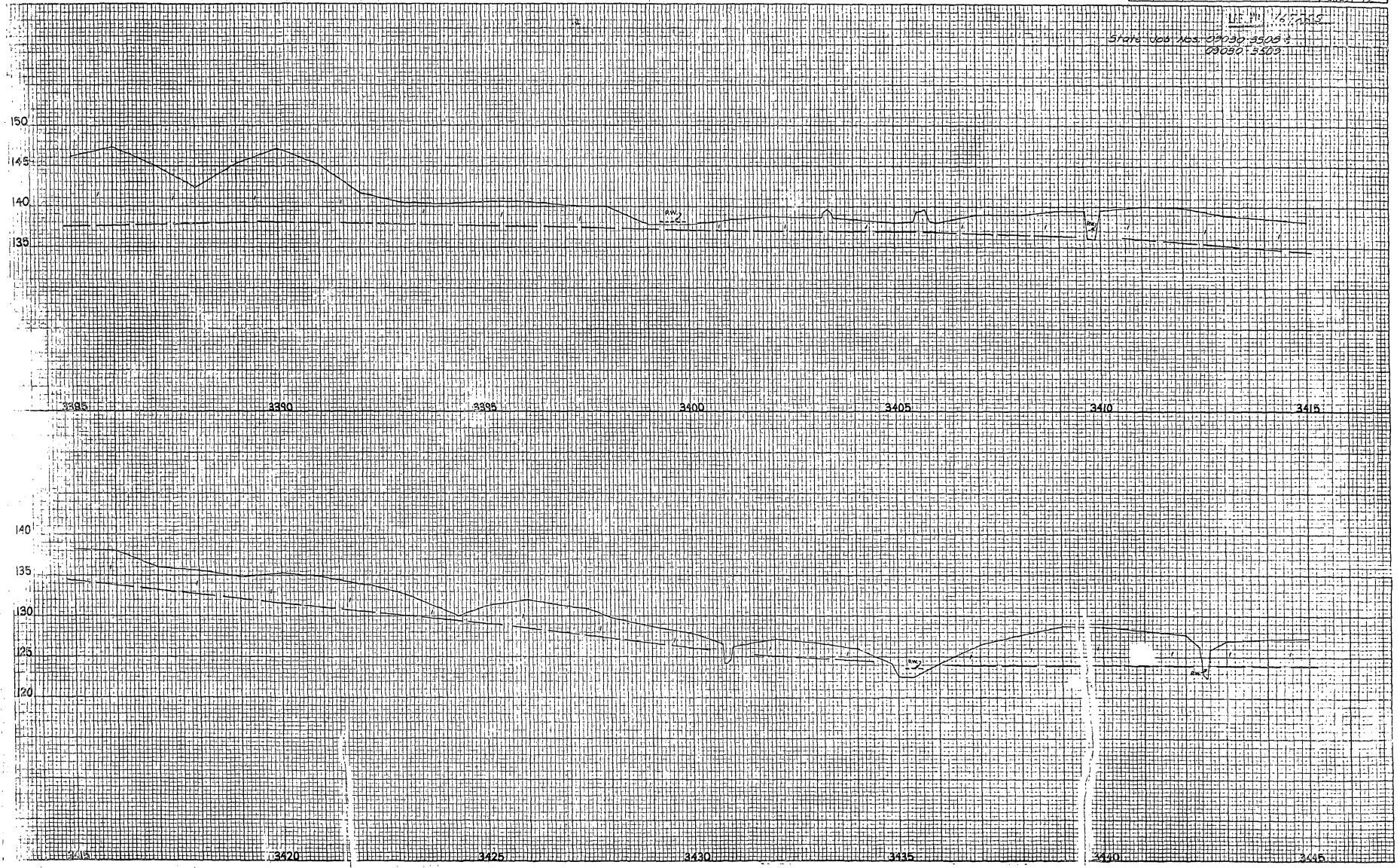
Station: 000.00-000.50 & 000.50-001.00
 Date: 1/17/65



Map Sheet No.	State	County	Sheet	Proj. Dn.	Sheet No.
3	Fla.	HIGHLANDS	25	24-019-2(16)	77

U.S. M.I. 11, 1955

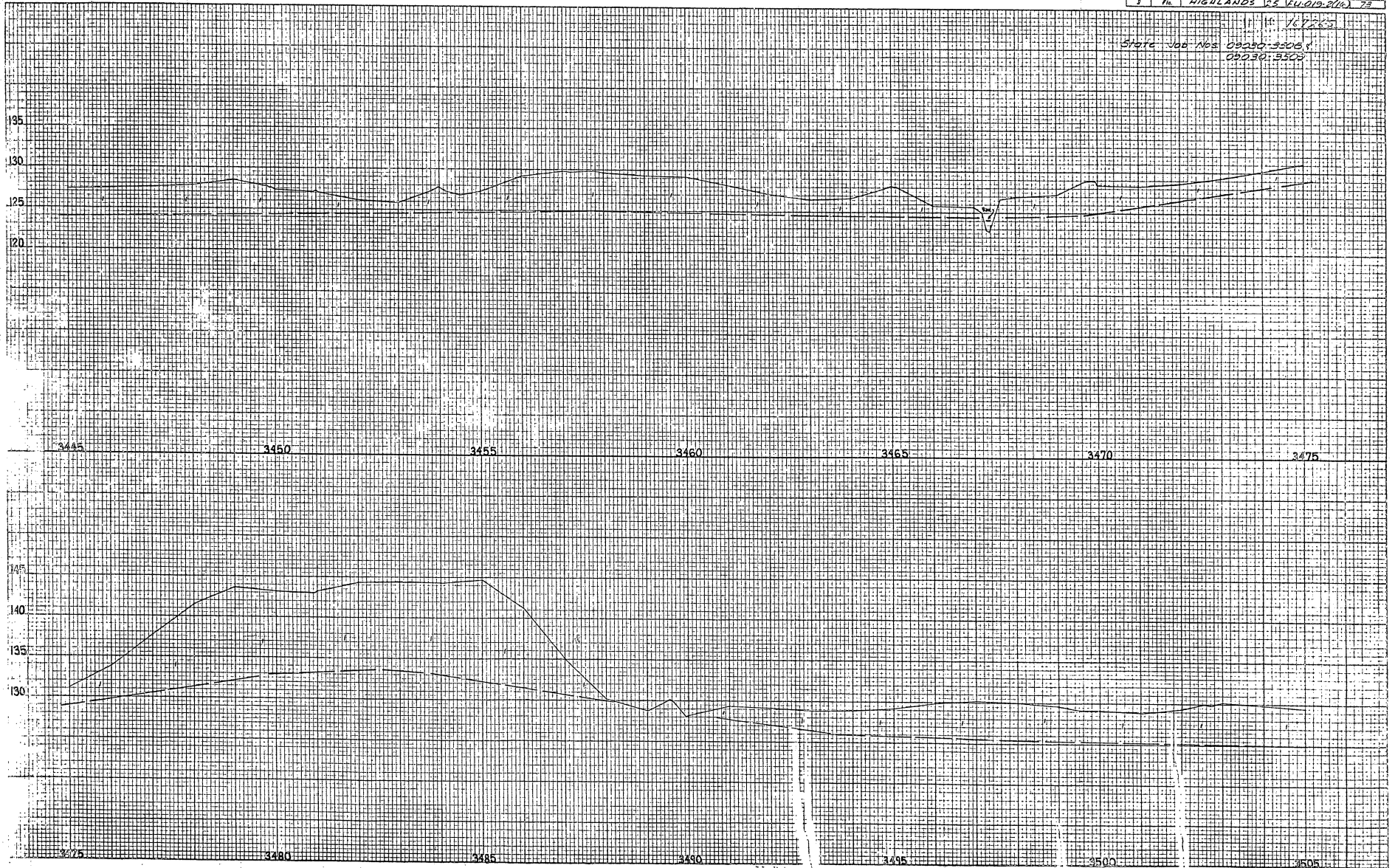
State Job Nos. 29030-3503
29030-3503



Fed. Road Dist. No.	State	County	Route	Proj. No.	Sheet No.
2	FLA.	HIGHLANDS	SS EU-019-2116	73	

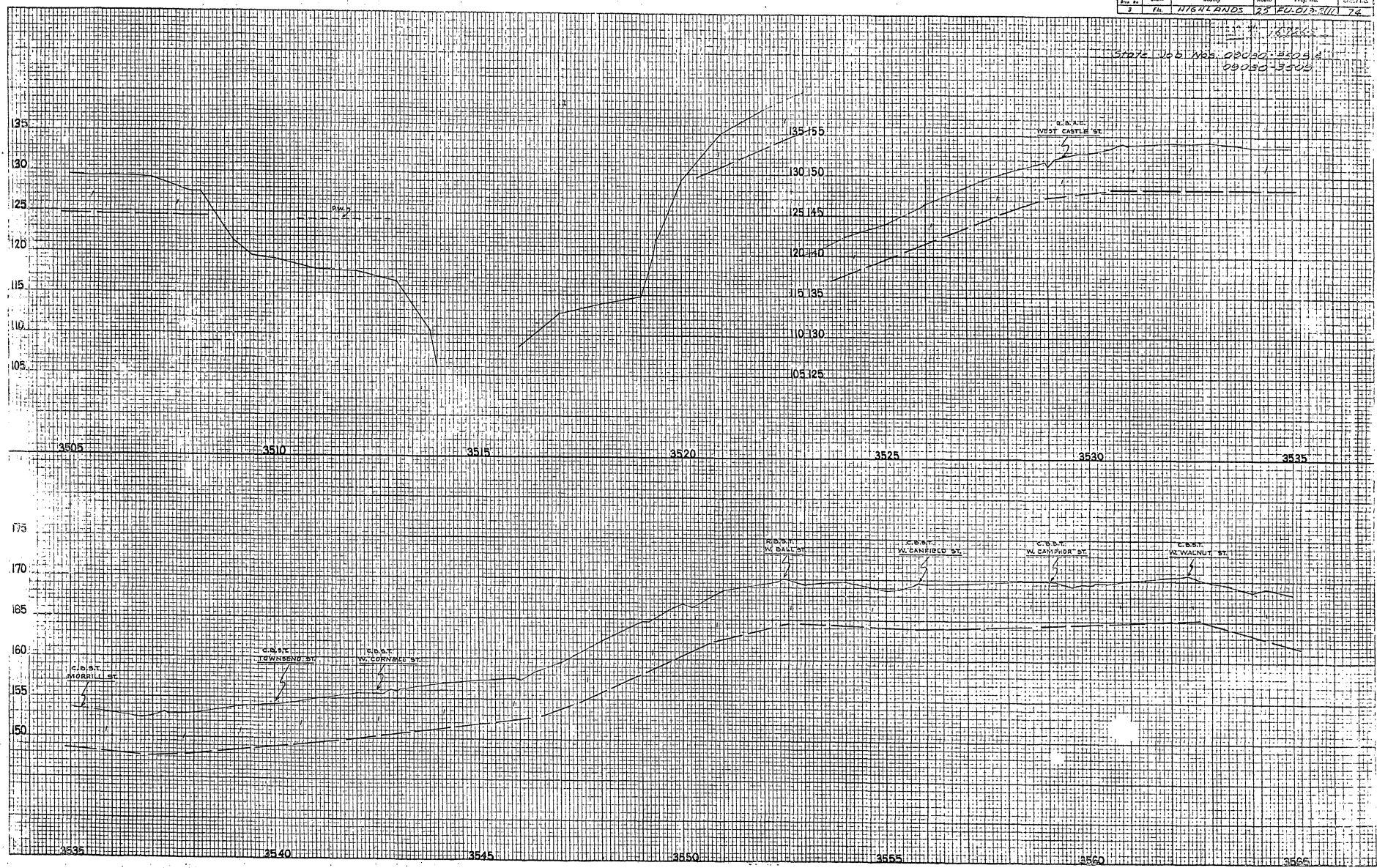
11/11/68

State Job Nos 09030-3506
09030-3509



Map Sheet No.	State	County	Route	Proj. No.	Sheet No.
3	Ill.	HIGHLANDS	25	FD. 013-2007	74

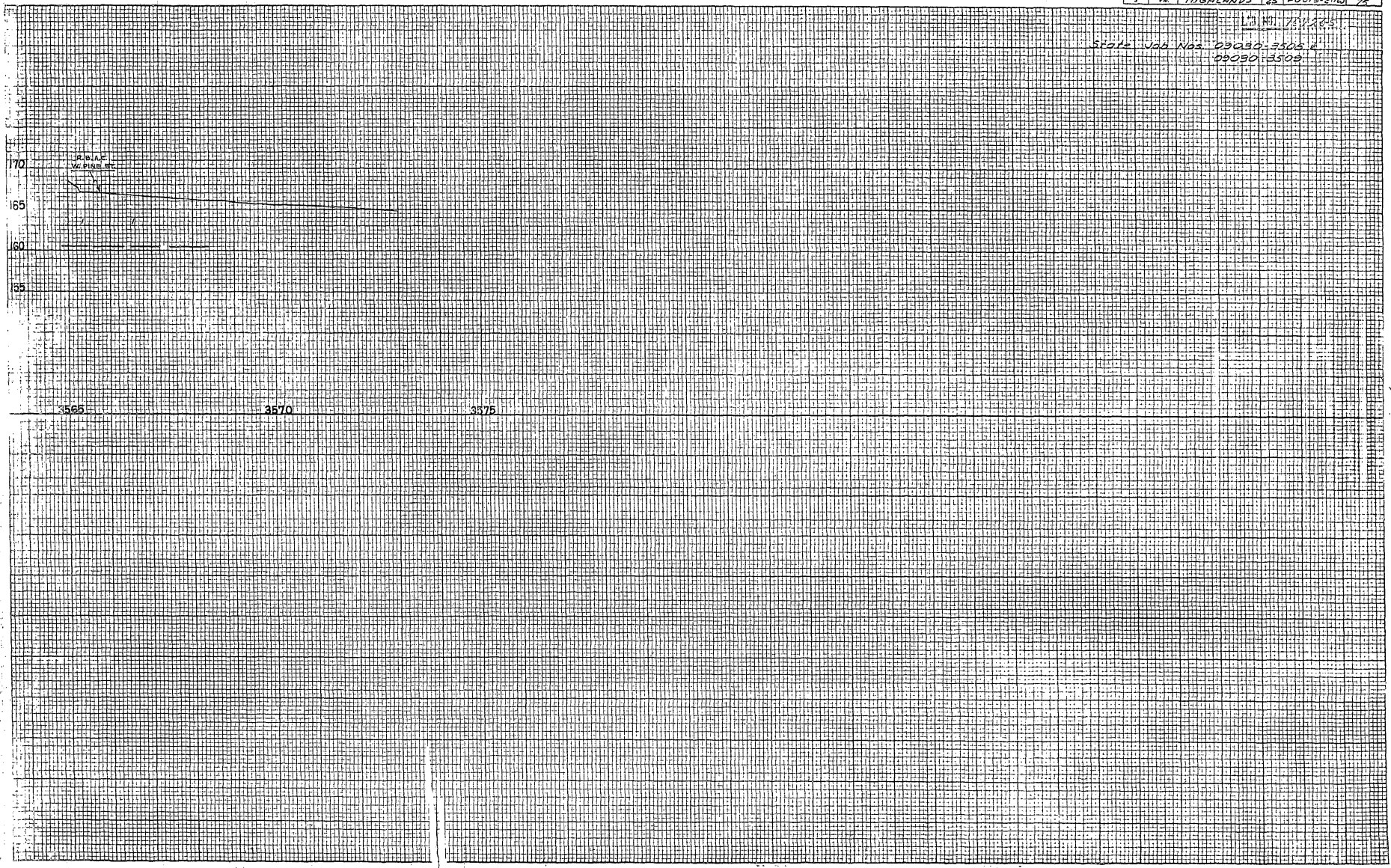
5127E 1065 1066 08020 8408
 08050 5308



Proj. No.	State	County	Acres	Proj. No.	Sheet No.
1	FLA.	HIGHLANDS	25	2013-210	7A

L.P. No. 731425

STATE JOB NOS. 09030-3508 &
09090-3508



K.D.A.C.
vs. PINE

70
65
60
35

3565 3570 3575

STATE ROAD DEPARTMENT OF FLORIDA
DIVISION OF TESTS

DIV.	State	COUNTY	Route	PROJECT NO	Sheet
1	Fla.	HIGHLANDS	25	FW10-208	76

State Job Nos. 09030-3508 4
09030-3509

Laboratory No.: 16726-S
Project No.: ~~09030-3508~~ PU-01B-2(16)
Road No.: 25
District No.: First
Submitted By: C. U. Monto De Oca

Date Sampled: 10/26-11/16/67
Sampled By: Chancey
Date Received: 12/22/67
Date Tested: 1/11/68
Date Reported: 1/11/68

REPORT OF TESTS OF MATERIAL FROM ROADWAY FOR USE IN EMBANKMENT AND SUBGRADE

Stratum No.	LBR Value	MECHANICAL ANALYSIS						CONSTANTS MATERIAL PASSING		GROUP
		% Pass 10 Mesh	% Pass 40 Mesh	% Pass 60 Mesh	% Pass 100 Mesh	% Pass 150 Mesh	% Pass 200 Mesh	NO. AND SIEVE	LIQUID LIMIT	
1	28.8	100	88	46	11	7	6	N.P.	N.P.	A-3
2	--	--	--	--	--	--	--	--	--	A-3

NOTE: The above LBR value was determined by the District Laboratory.
The material from Stratum No 1 is satisfactory for embankment or subgrade.
The material from Stratum No 2 is muck.

Tested By: Ellis
WMA

W. C. ...
Engineer of Materials Research
and Training

CONVENTIONAL SYMBOLS

FILE NO.	DATE	PROJECT NO.	SCALE
5	12/11/77	34	1"=40'

STATE 1021 11/77 3552
COUNTY 3503

- STATE LINE
- COUNTY LINE
- TOWNSHIP LINE
- SECTION LINE
- CITY LINE
- FENCE LINE
- RIGHT-OF-WAY LINE
- LIMITED ACCESS LINE
- BASE OR SURVEY LINE
- RAILROADS (RURAL KEY MAP)
- RAILROADS (DETAIL PLANS, 100' SCALE, & MUNICIPAL KEY MAP)
- RAILROADS (DETAIL PLAN, LARGE SCALE)
- TRAVELED WAY
- STREAM
- SHORE LINE
- MARSH
- HEDGE
- TREES
- EDGE OF WOODED AREA
- SHRUBBERY
- GROVE OR ORCHARD
- PROPOSED BOX CULVERTS
- BRIDGES OVER 20' SPAN
- EXISTING SIDE DRAIN PIPE
- PROPOSED FENCE (LIMITED ACCESS)

- MINE OR QUARRY
- PUMP ISLAND
- STORAGE TANK (SURFACE)
- STORAGE TANK (UNDERGROUND)
- R.R. MILE POST

- TRAFFIC LIGHT
- CHURCH
- STORE
- HOUSE
- BARN
- SCHOOL
- CONCRETE
- WOOD
- GATE
- CURB (PROPOSED)
DASH EXISTING CURB
- CURB AND GUTTER (PROPOSED)
DASH EXISTING CURB & GUTTER
- EDGES OF EXISTING PAV'T AND SIDEWALKS
(DASHES 1/4" LONG FOR SCALE 1" = 100'; 1/2 TO 3/4" LONG FOR SCALE 1" = 20')
- TIED LONGITUDINAL JOINTS
- KEYED LONGITUDINAL JOINTS
- DOWELLED TRANSVERSE EXPANSION JOINT
- DOWELLED TRANSVERSE CONTRACTION JOINT
- TRANSVERSE CONTRACTION JOINT WITHOUT DOWELS
- NORTH POINT (ON KEY MAP)
- NORTH POINT (PLAN-PROFILE ETC.)

- POWER POLE
- OVERHEAD ELECTRIC CABLE
- COMBINATION POLE
- GUY WIRE & ANCHOR PIN
- GAS MAIN
- WATER MAIN
- SANITARY SEWER
- STORM SEWER
- BURIED ELECTRIC POWER CABLE
- ELECTRIC DUCT
- TELEPHONE POLE
- OVERHEAD TELEPHONE CABLE
- TELEPHONE DUCT
- BURIED TELEPHONE CABLE
- TOWER
- INLETS
- INLET (DRAINAGE MAP)
- MANHOLE
- WATER METER
- VALVE
- FIRE HYDRANT
- LIGHT STANDARD

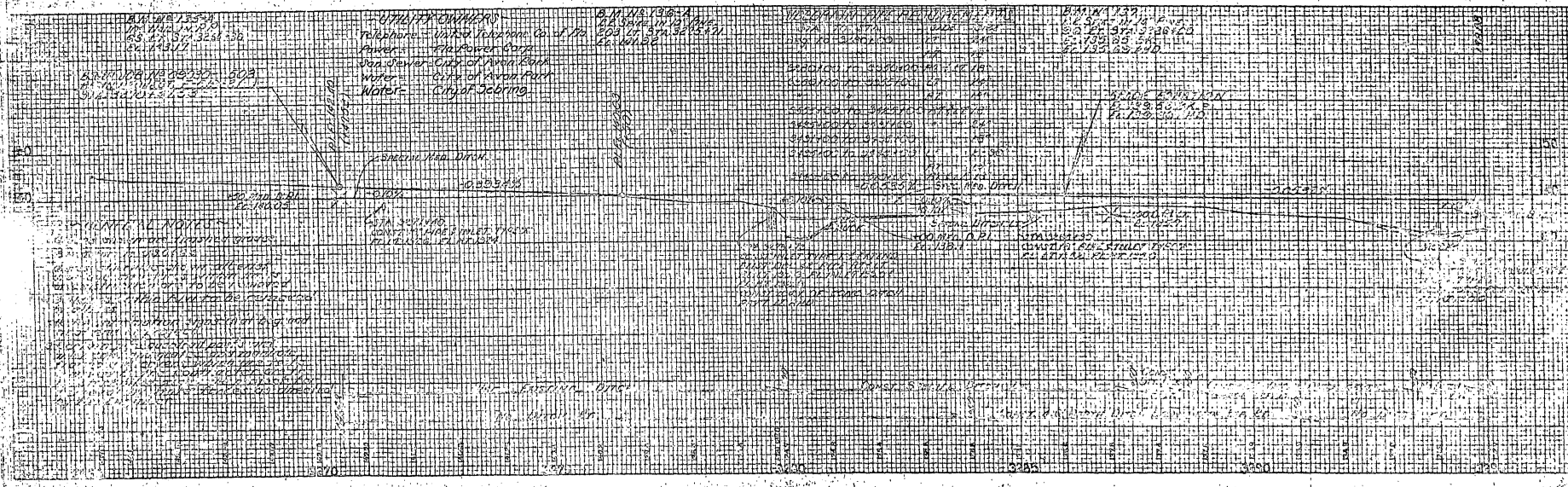
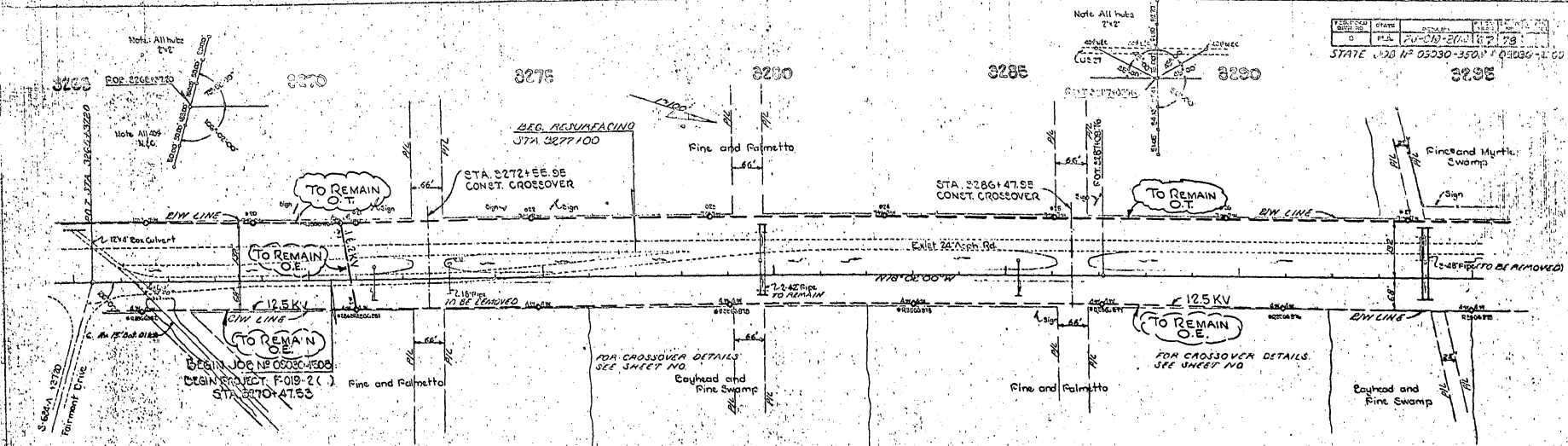
	EXISTING	PROPOSED
POWER POLE		
OVERHEAD ELECTRIC CABLE		
COMBINATION POLE		
GUY WIRE & ANCHOR PIN		
GAS MAIN		
WATER MAIN		
SANITARY SEWER		
STORM SEWER		
BURIED ELECTRIC POWER CABLE		
ELECTRIC DUCT		
TELEPHONE POLE		
OVERHEAD TELEPHONE CABLE		
TELEPHONE DUCT		
BURIED TELEPHONE CABLE		
TOWER		
INLETS		
INLET (DRAINAGE MAP)		
MANHOLE		
WATER METER		
VALVE		
FIRE HYDRANT		
LIGHT STANDARD		

NOTES

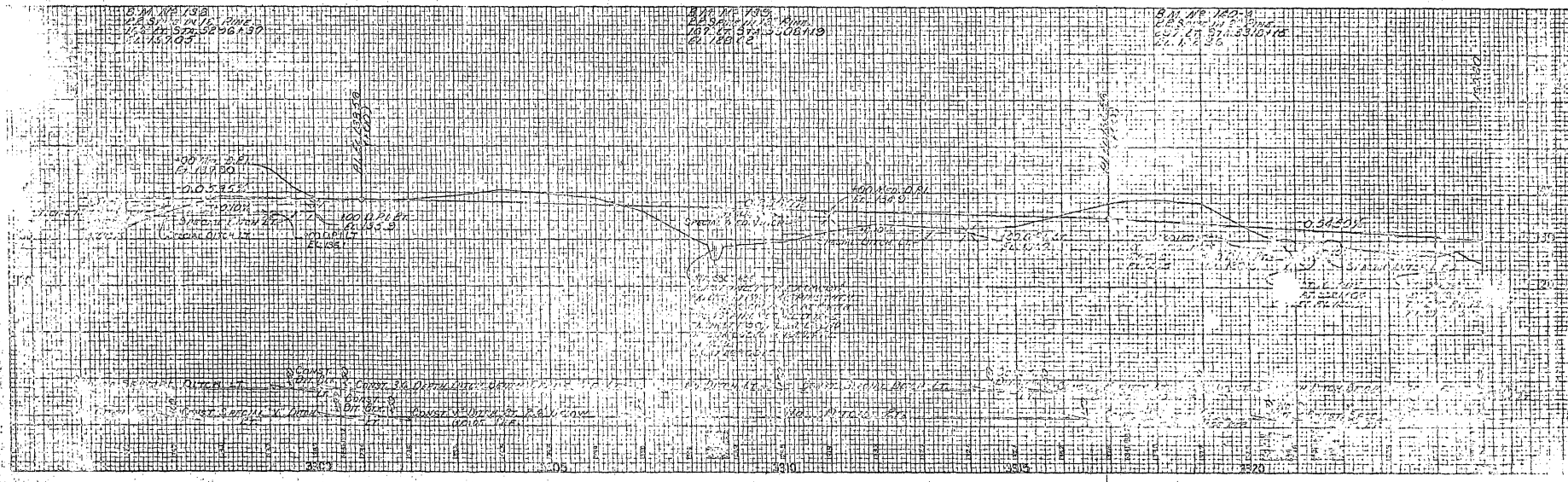
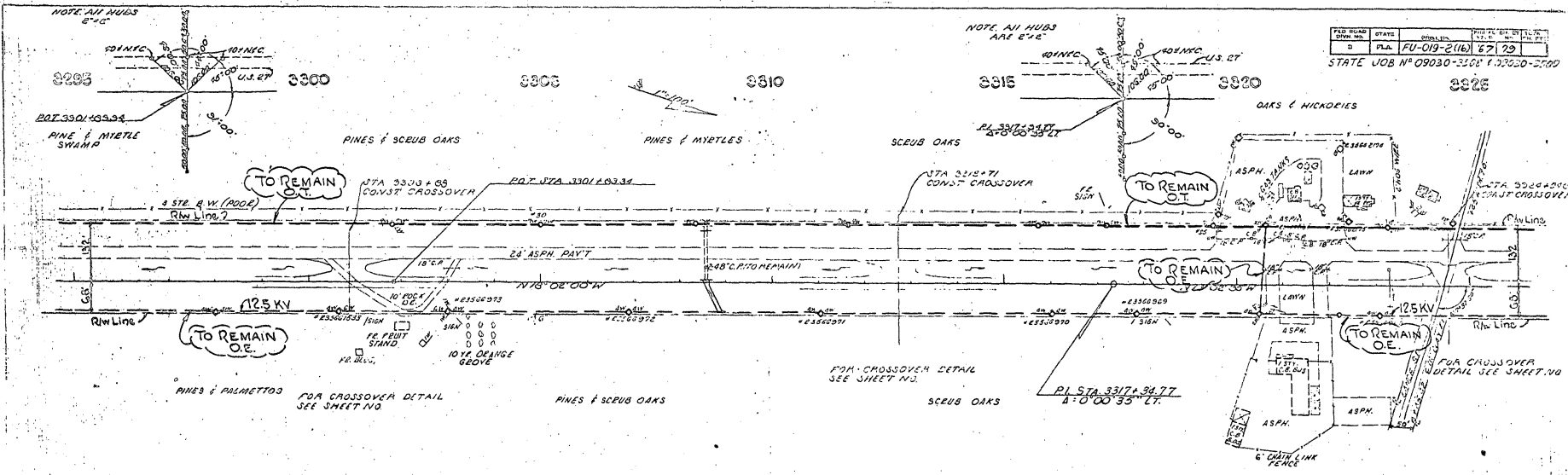
1. THE LOCATIONS OF THE PROPOSED UTILITIES SHOWN IN THE PLANS ARE APPROXIMATE ONLY, THE EXACT LOCATIONS SHALL BE DETERMINED BY THE ENGINEER DURING CONSTRUCTION.
2. UTILITIES ARE TO BE ADJUSTED BY OTHERS AS DIRECTED BY THE ENGINEER.

UTILITY ADJUSTMENTS

PROJECT NO.	DATE	SCALE	SHEET NO.
0	7-10-78	1" = 40'	18
STATE JOB NO. 05230-3501 * 04036-1-00			



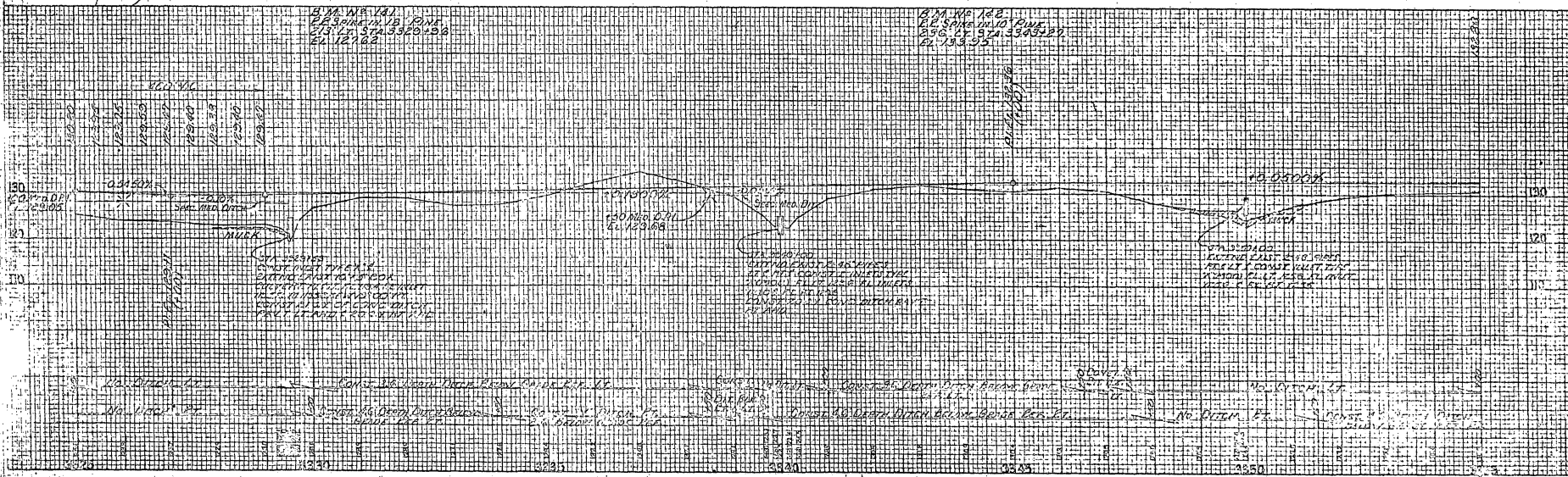
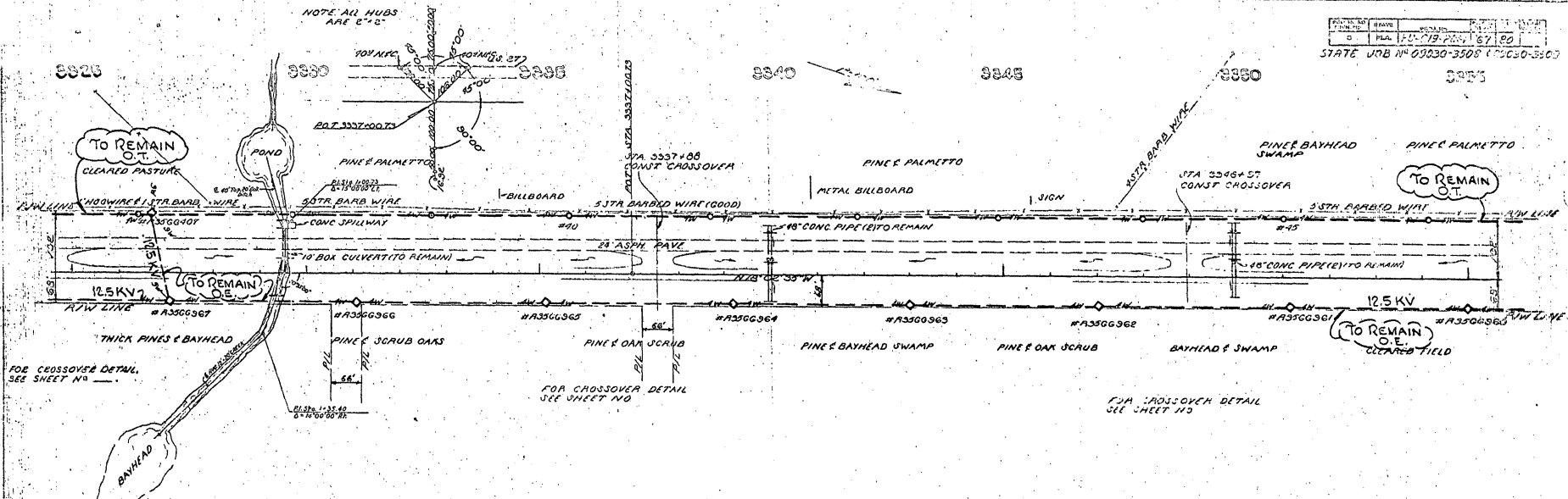
BEST AVAILABLE COPY



BEST AVAILABLE COPY

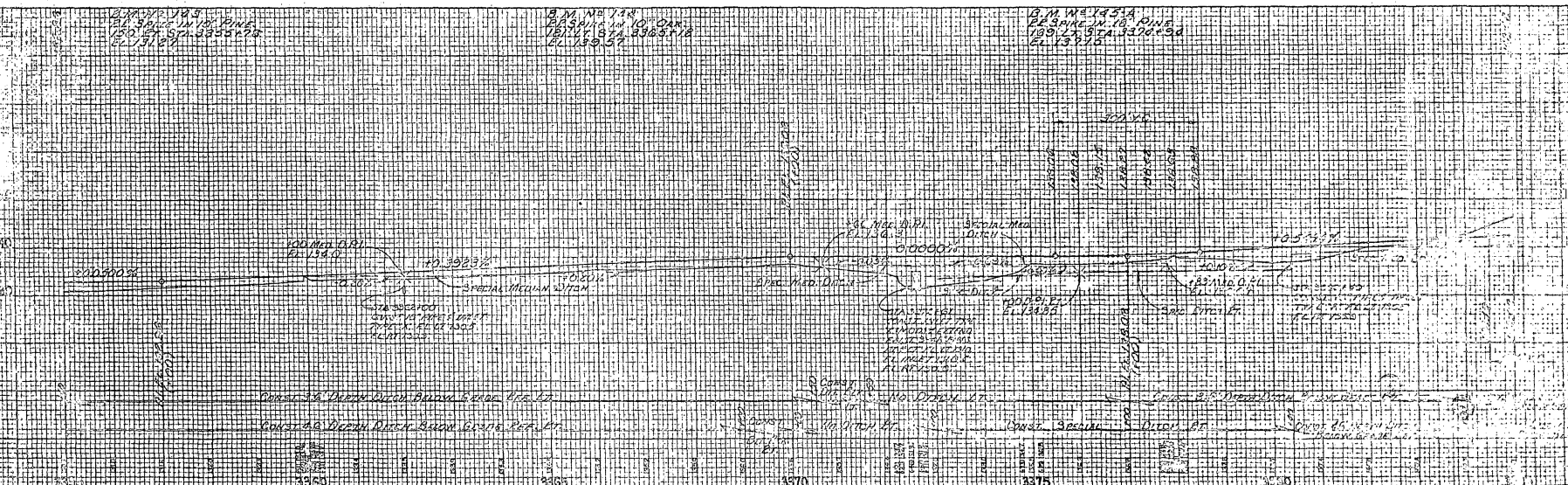
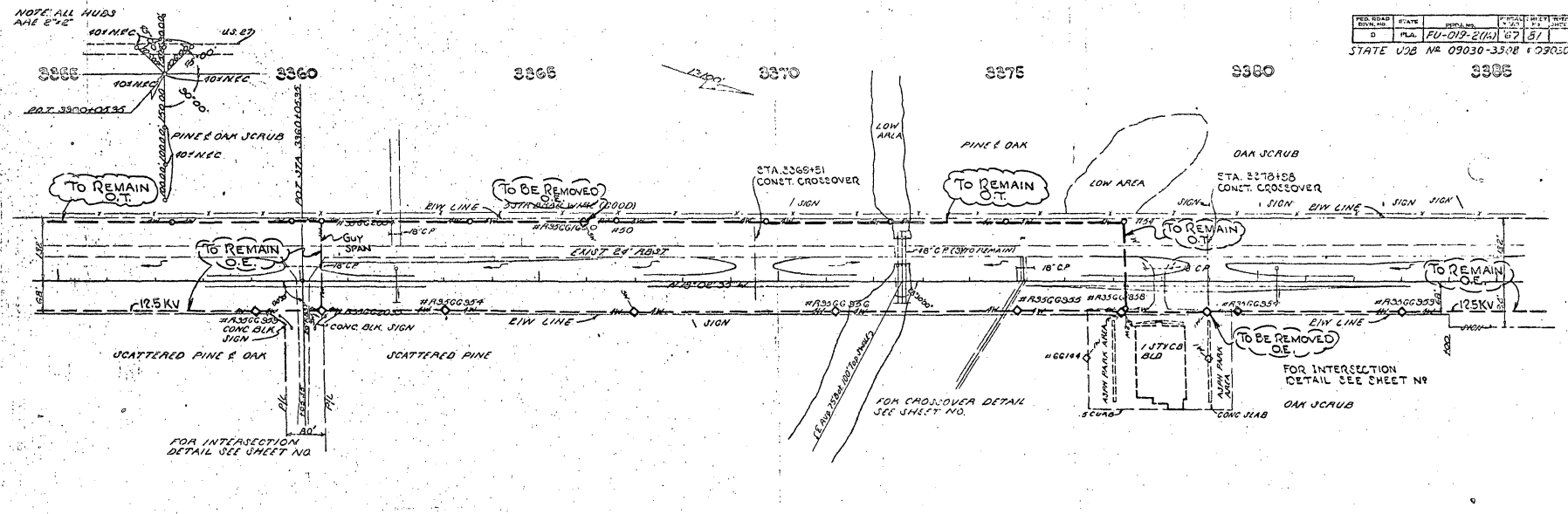
PROJECT NO.	DATE	SCALE	SHEET NO.
0	10-19-67	1" = 40'	67

STATE JOB # 03030-3500 (10650-3500)



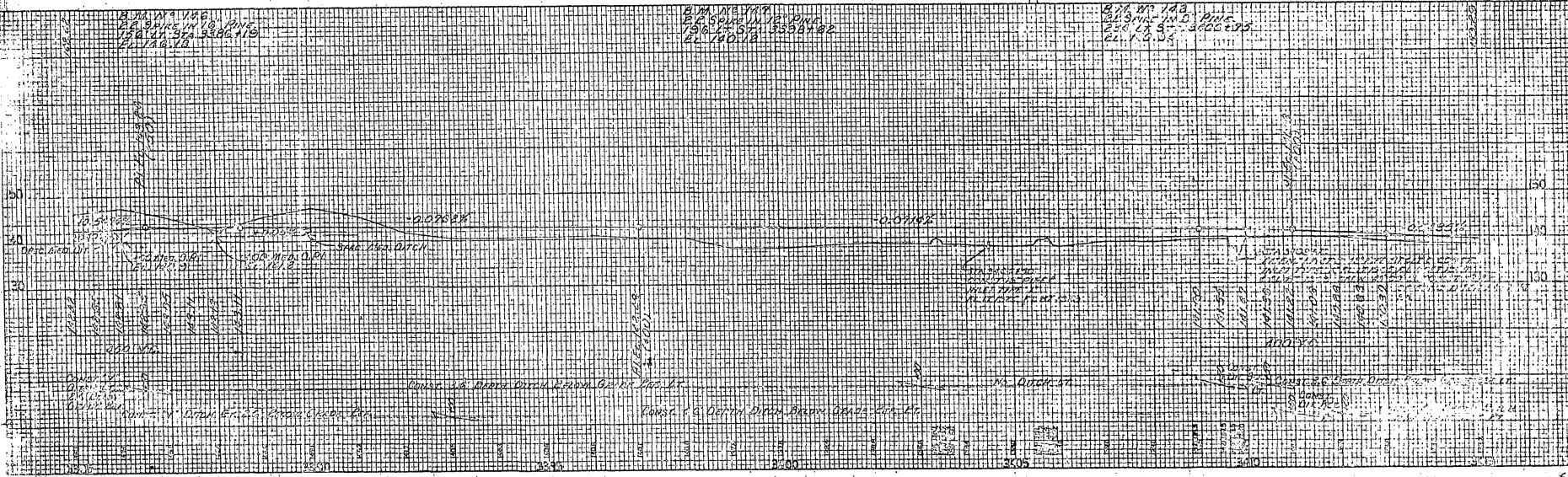
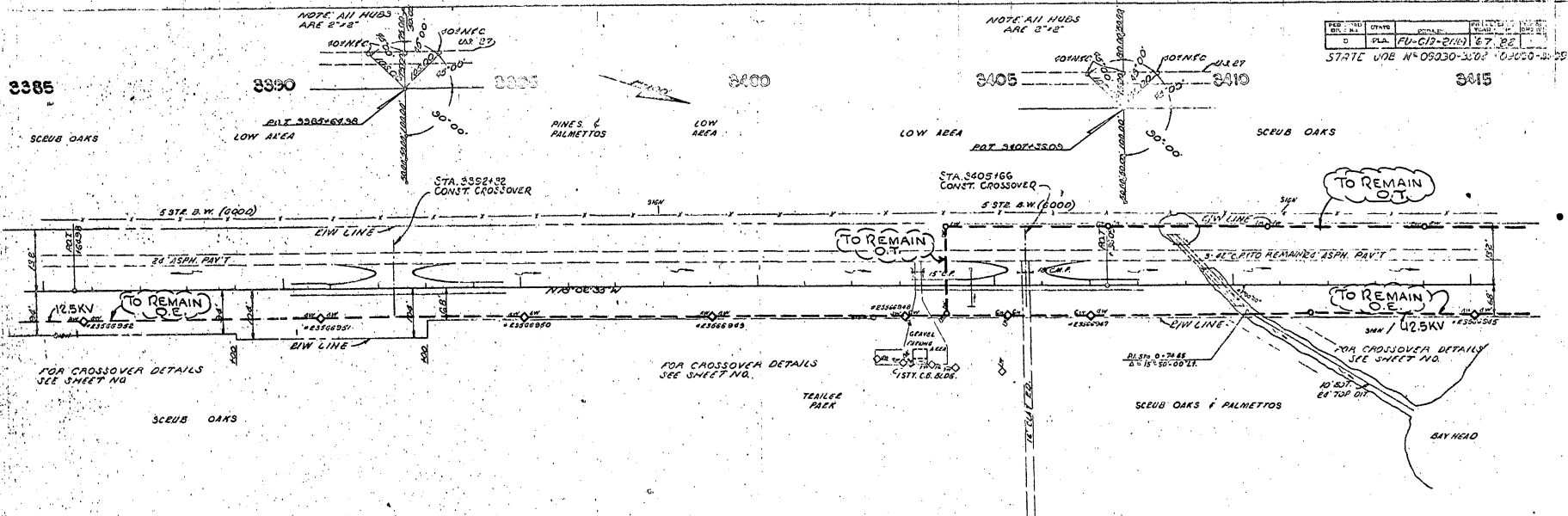
BEST AVAILABLE COPY

PROJECT NO.	STATE	DISTRICT	SUB-DISTRICT
D	FLA.	FU-019-21A	62 57
STATE JOB NO. 09030-3308 129030-3303			
3385			



BEST AVAILABLE COPY

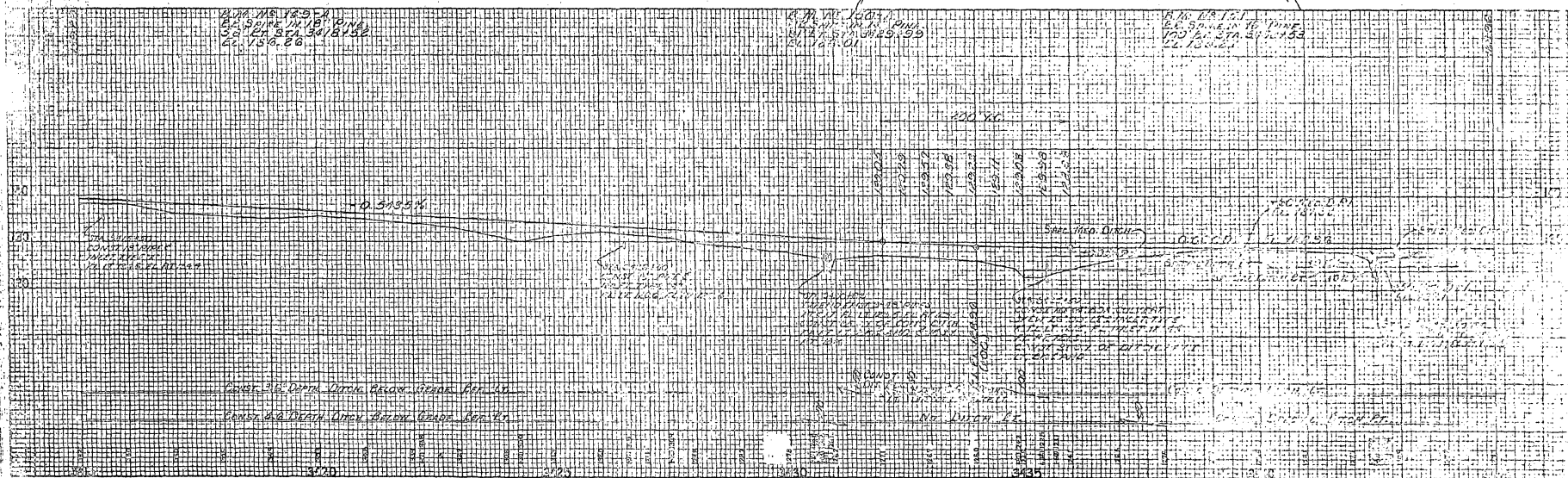
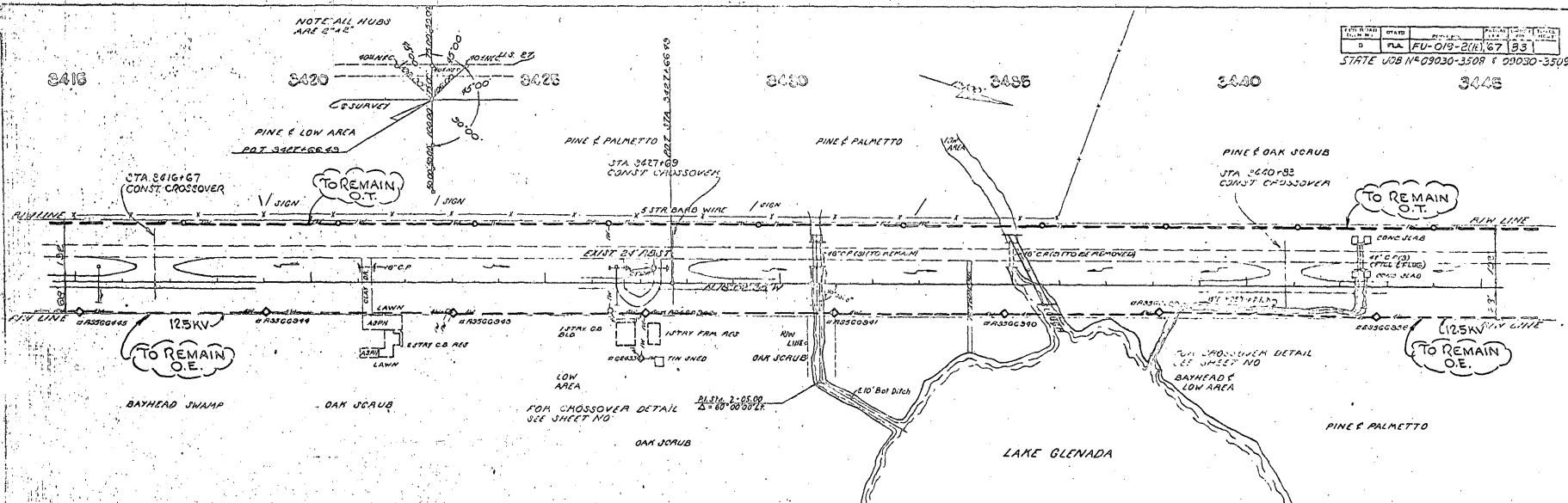
REV.	DATE	BY	CHKD.
0			
STATE JOB NO. 09030-3308 PROJECT NO. 09030-3308			
SHEET NO. 67 OF 82			



BEST AVAILABLE COPY

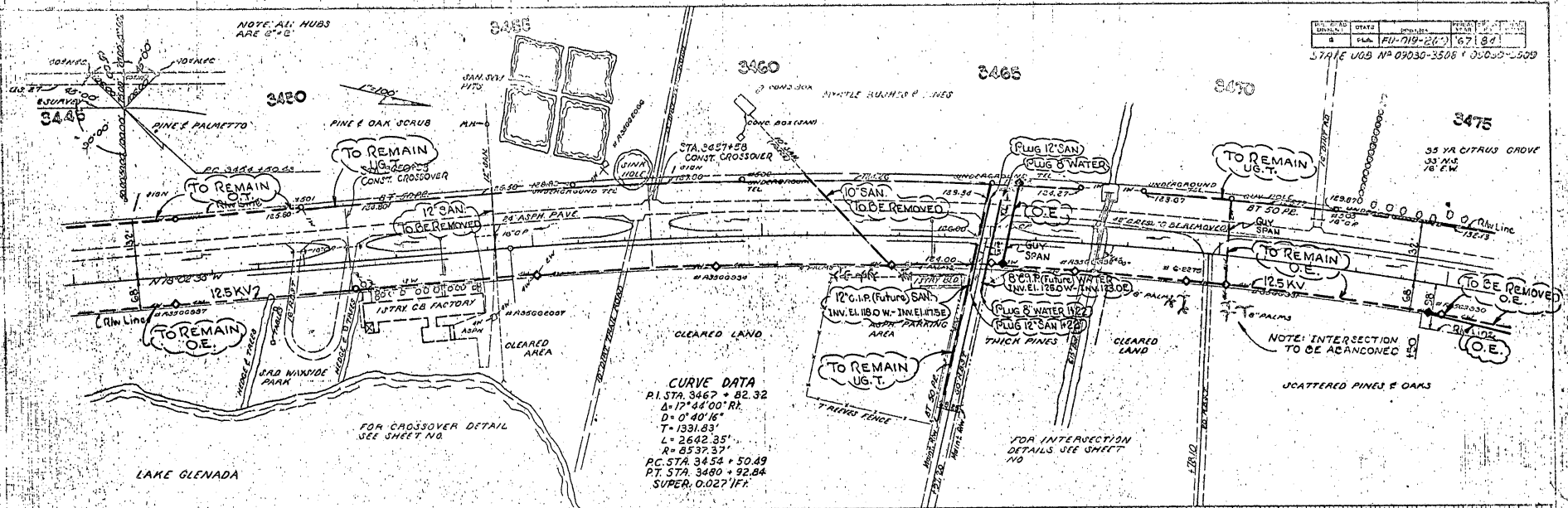
DATE	BY	PROJECT	SCALE
0	FLA	FLM 015-2111 87 183	

STATE JOB # 09030-3508 & 09030-3509

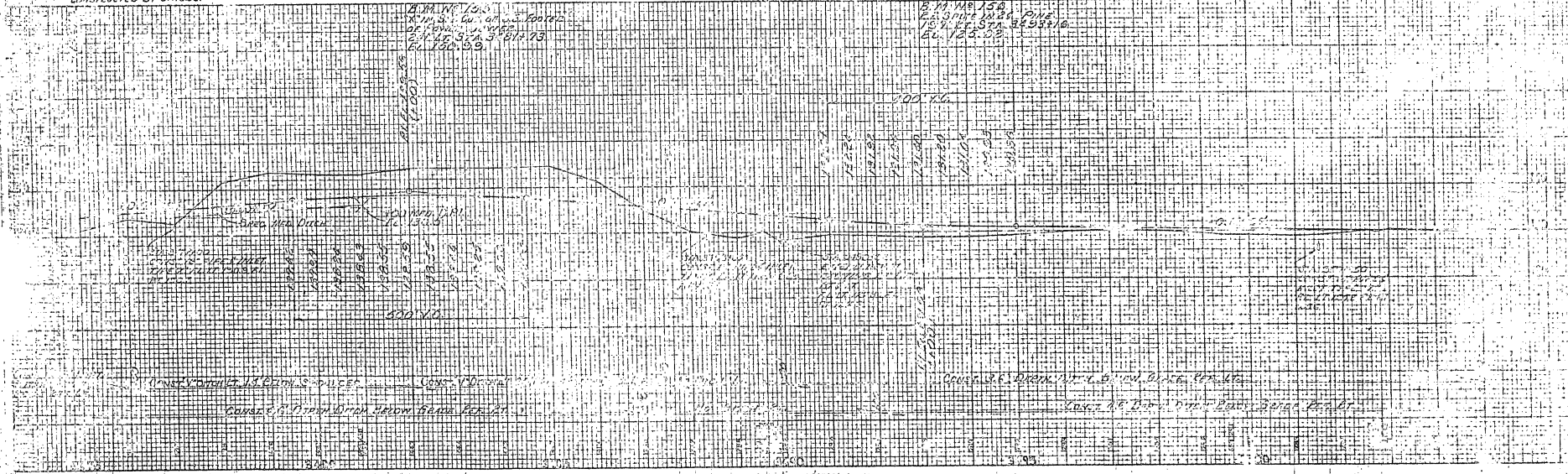
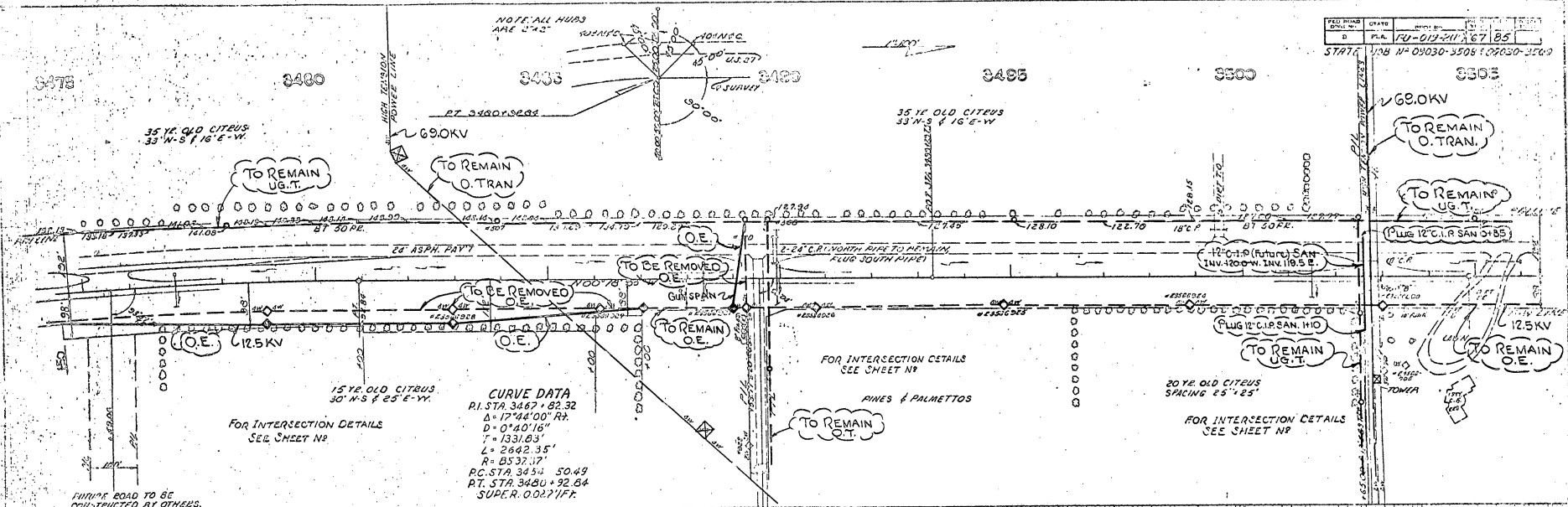


BEST AVAILABLE COPY

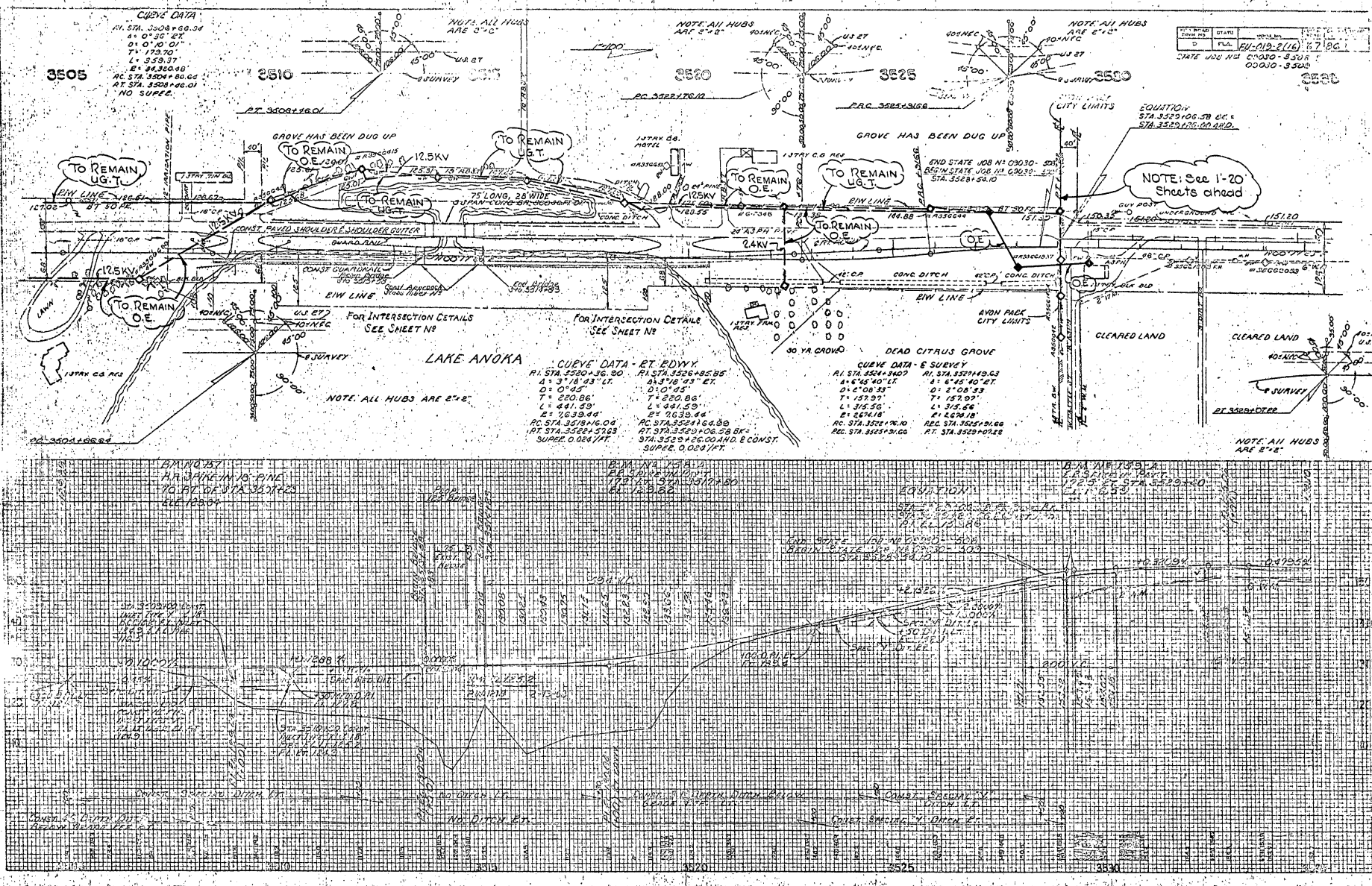
DATE	BY	NO.
6/27/81	FU-719-247	67
STATE JOB NO 07030-3506 + 00003-509		



FILE NUMBER	DATE	BY	SCALE
100-019-311-67-85			



BEST AVAILABLE COPY

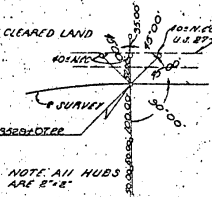


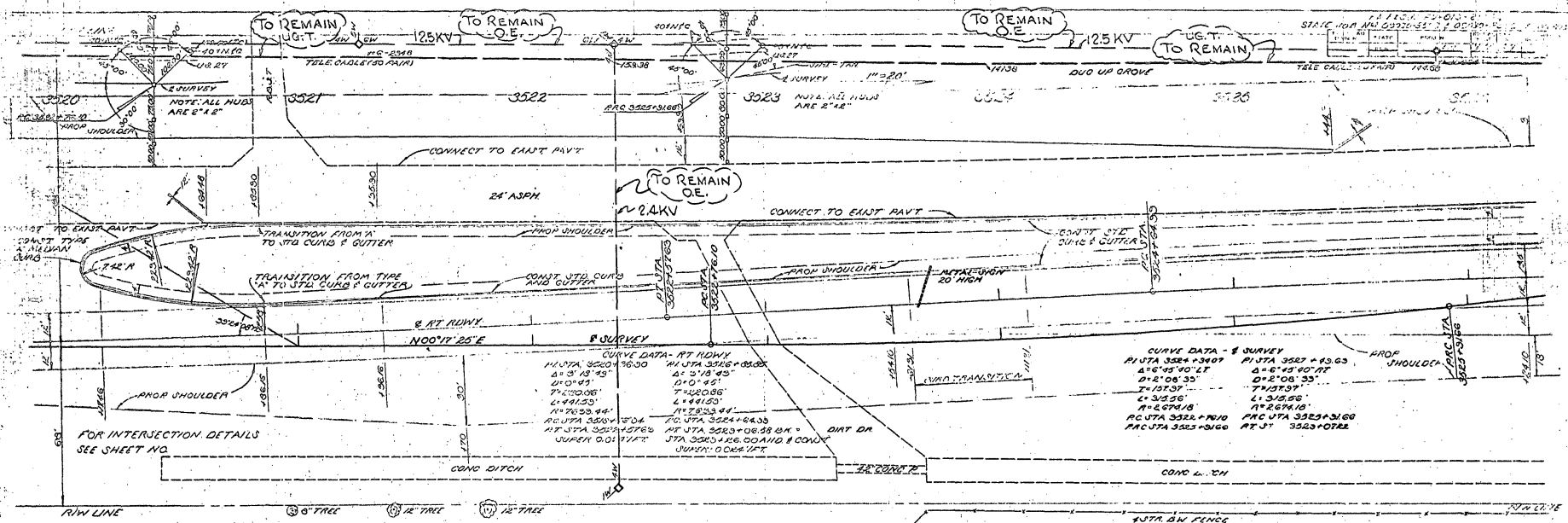
DATE	SCALE	PROJECT
DATE 1000 N.E. 00000-2300 T	SCALE 1"=20'	PROJECT E.L. 19-216 (17) 86
		00010-3300

NOTE: See 1-20 Sheets ahead

LAKE ANOKA

DEAD CITRUS GROVE



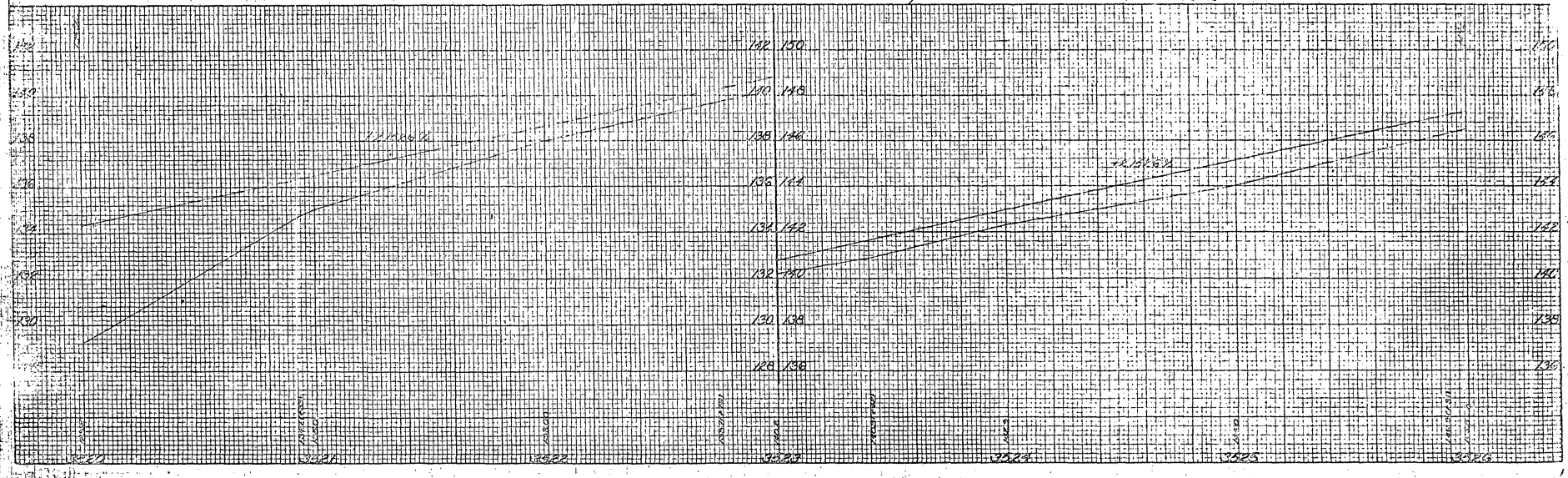


CURVE DATA - RT HWY

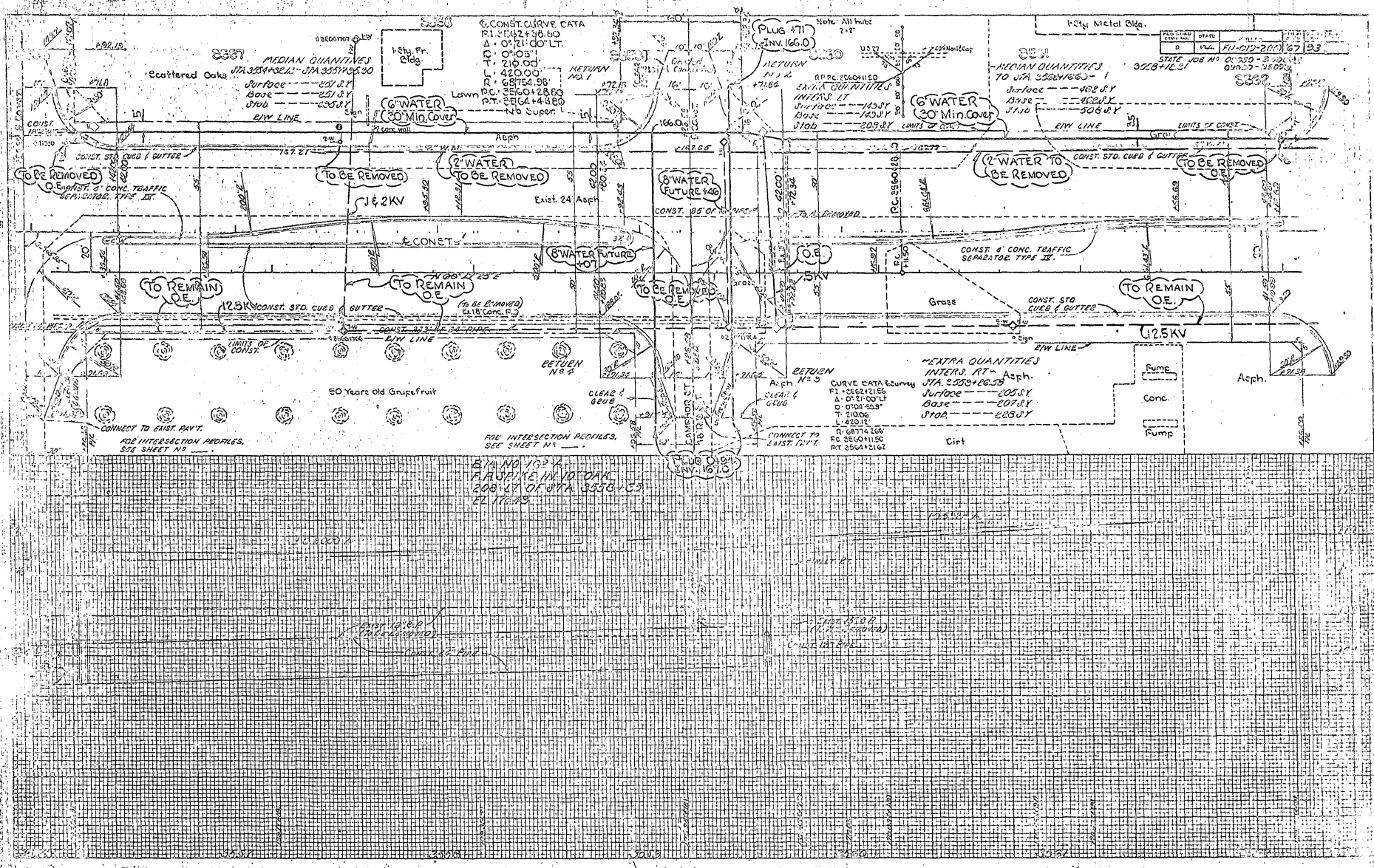
PI STA 3524+76.00	PI STA 3525+08.00
Δ = 3° 13' 43"	Δ = 3° 18' 43"
ΔI = 0° 49'	ΔI = 0° 46'
T = 220.06'	T = 220.06'
L = 441.50'	L = 441.50'
PI STA 3525+44'	PI STA 3525+44'
RC STA 3524+304	TC STA 3524+94.33
RT STA 3525+576'	RT STA 3525+08.00 84°
JURIN = 00:11:47	JURIN = 00:04:17

CURVE DATA - S SURVEY

PI STA 3524+39.07	PI STA 3527+93.63
Δ = 6° 45' 40" LT	Δ = 6° 45' 40" RT
ΔI = 0° 08' 35"	ΔI = 0° 08' 35"
T = 107.57'	T = 107.57'
L = 335.56'	L = 335.56'
PI = 267.618'	PI = 267.618'
RC STA 3524+19.00	RC STA 3525+31.60
RT ST 3525+07.82	



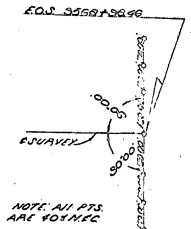
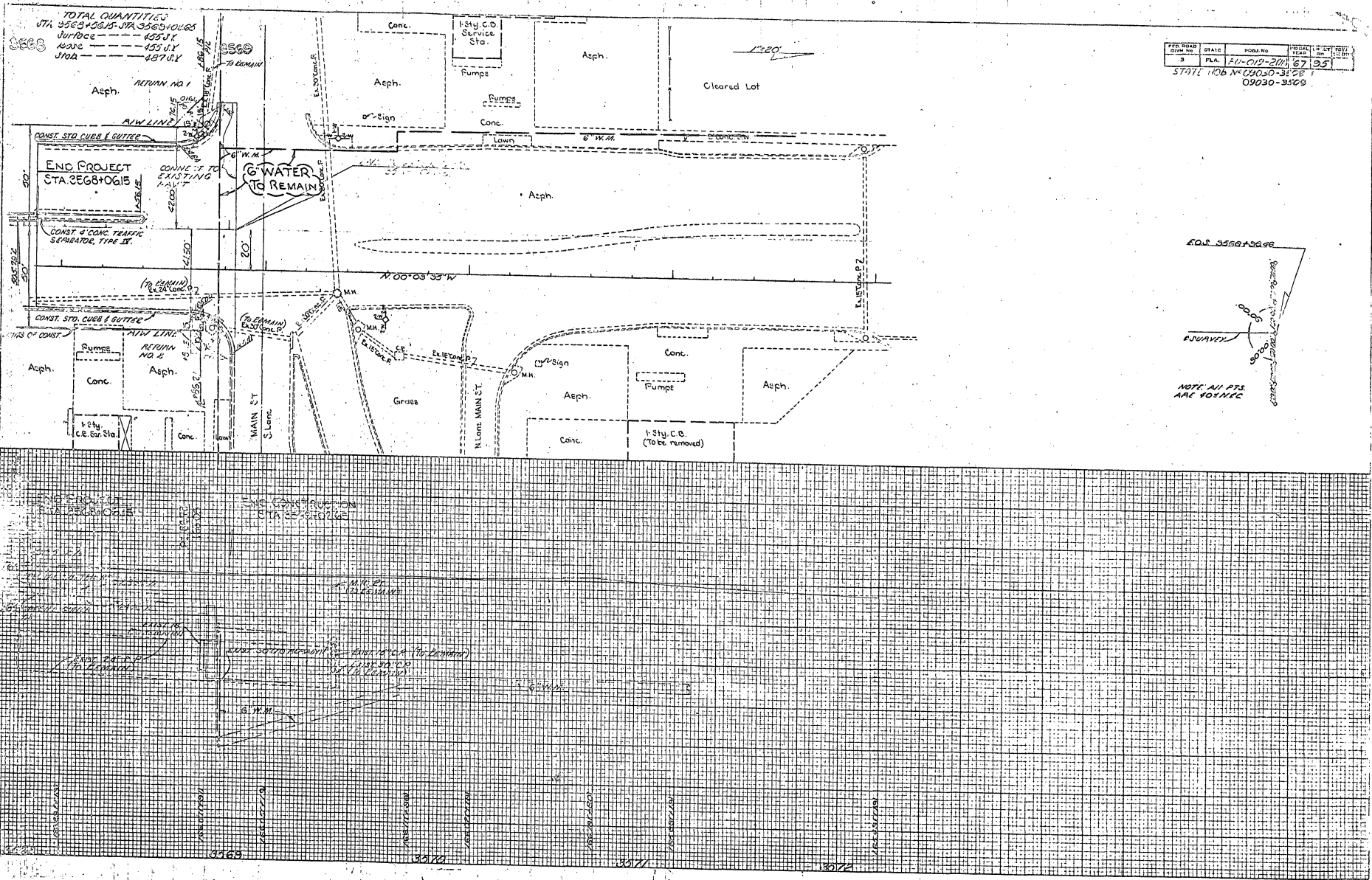
BEST AVAILABLE COPY



TOTAL QUANTITIES
 STA 3563+00 TO STA 3563+00.85
 JUDGE 455.0 Y
 ROAD 455.0 Y
 URA 487.0 Y

FILE NO.	DATE	FOUR NO.	FOUR NO.	FOUR NO.
3	PLA.	EU-019-210	67	95

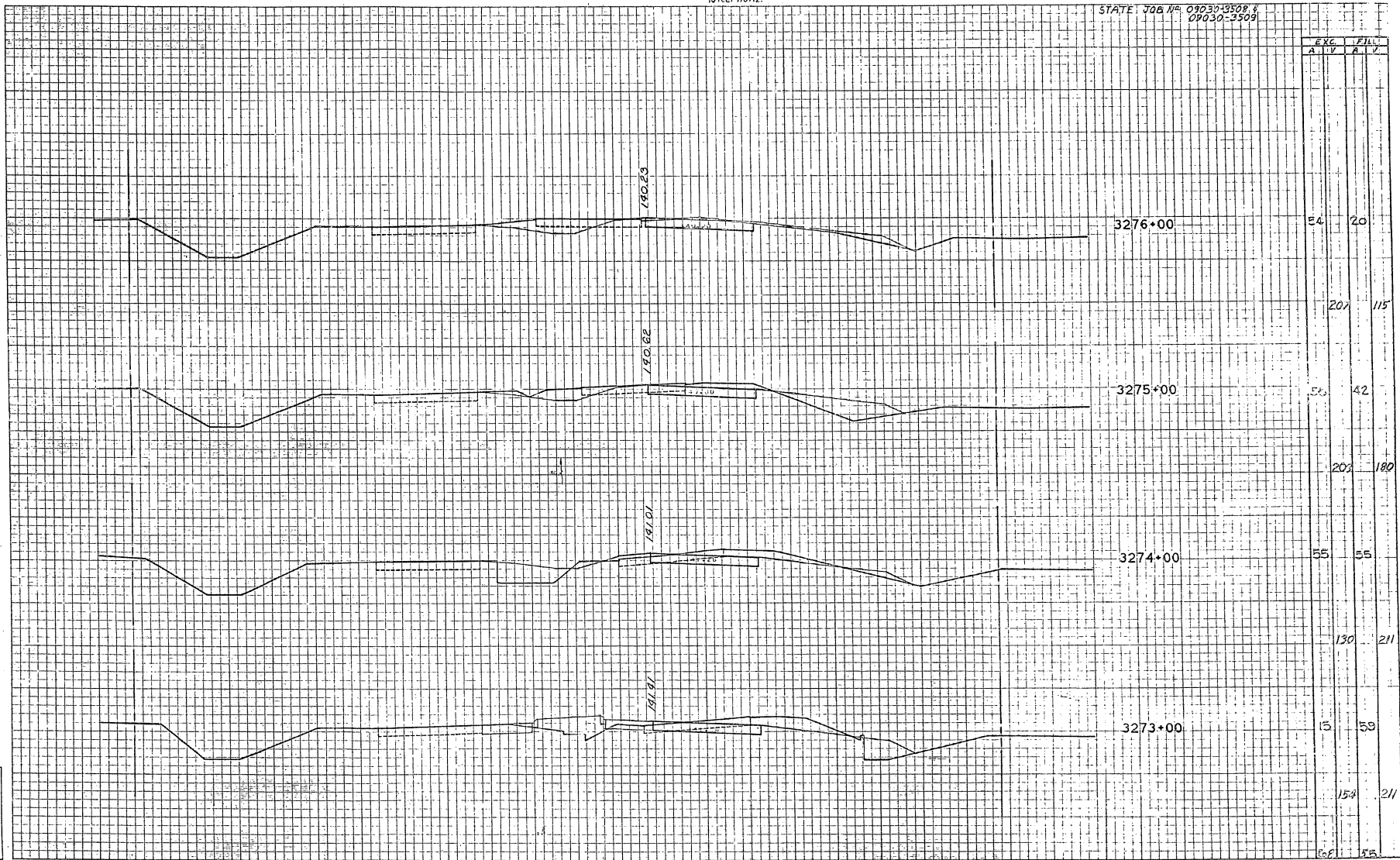
STATE 1106 N° 09030-34 28
 09030-3428



CROSS SECTIONS
 Scale 1 inch = 5 feet Vert.
 10 feet Horiz.

Proj. No.	State	County	Route	Proj. No.	Sheet No.
2	Fla.	HIGHLANDS	SR 25	172-0122-112	92

STATE JOB NO. 09030-19508 &
 09030-25091



Sta.	Exc.		Fill	
	A	V	A	V
3276+00	54	20		
3275+00	50	42	207	115
3274+00	55	55	207	180
3273+00	13	59	130	211
			154	211
			66	55

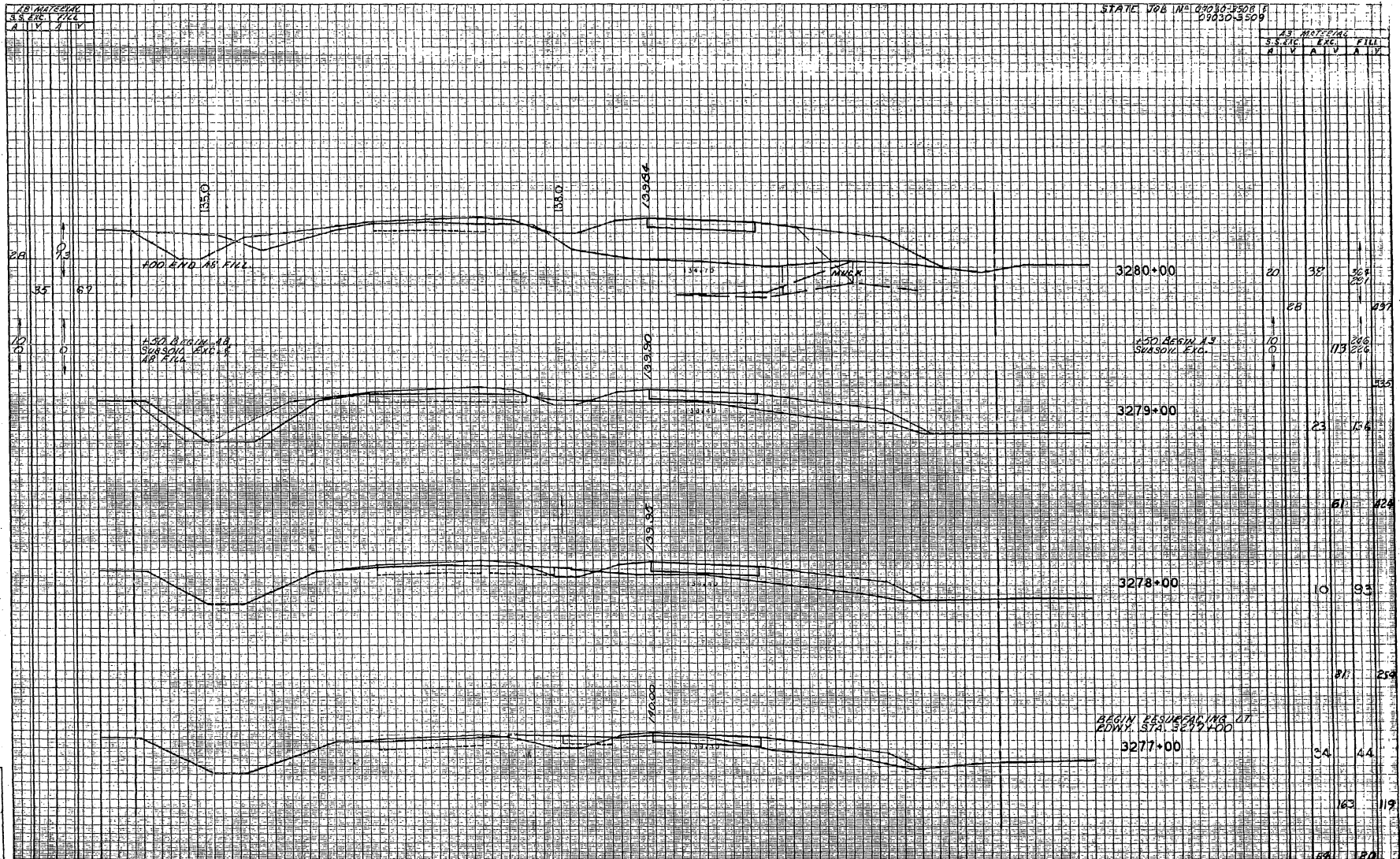
Blank	1/4" = 1'
Blank	1/2" = 1'
Blank	3/4" = 1'
Blank	1" = 1'
Blank	1 1/4" = 1'
Blank	1 1/2" = 1'
Blank	1 3/4" = 1'
Blank	2" = 1'
Blank	2 1/4" = 1'
Blank	2 1/2" = 1'
Blank	2 3/4" = 1'
Blank	3" = 1'
Blank	3 1/4" = 1'
Blank	3 1/2" = 1'
Blank	3 3/4" = 1'
Blank	4" = 1'

CROSS SECTIONS

Scale 1 inch = 5 feet Vert.
10 feet Horiz.

Proj. No.	State	County	Route	Proj. No.	Sheet No.
2	IND.	DECATUR	S.R. 25	172-216	98

STATE JOB NO. 02010-5308 P
0030-3509



AS MEETING
S.S. 216 FILL
A 11 V A 11 V

AS MEETING
S.S. 216 FILL
A 11 V A 11 V

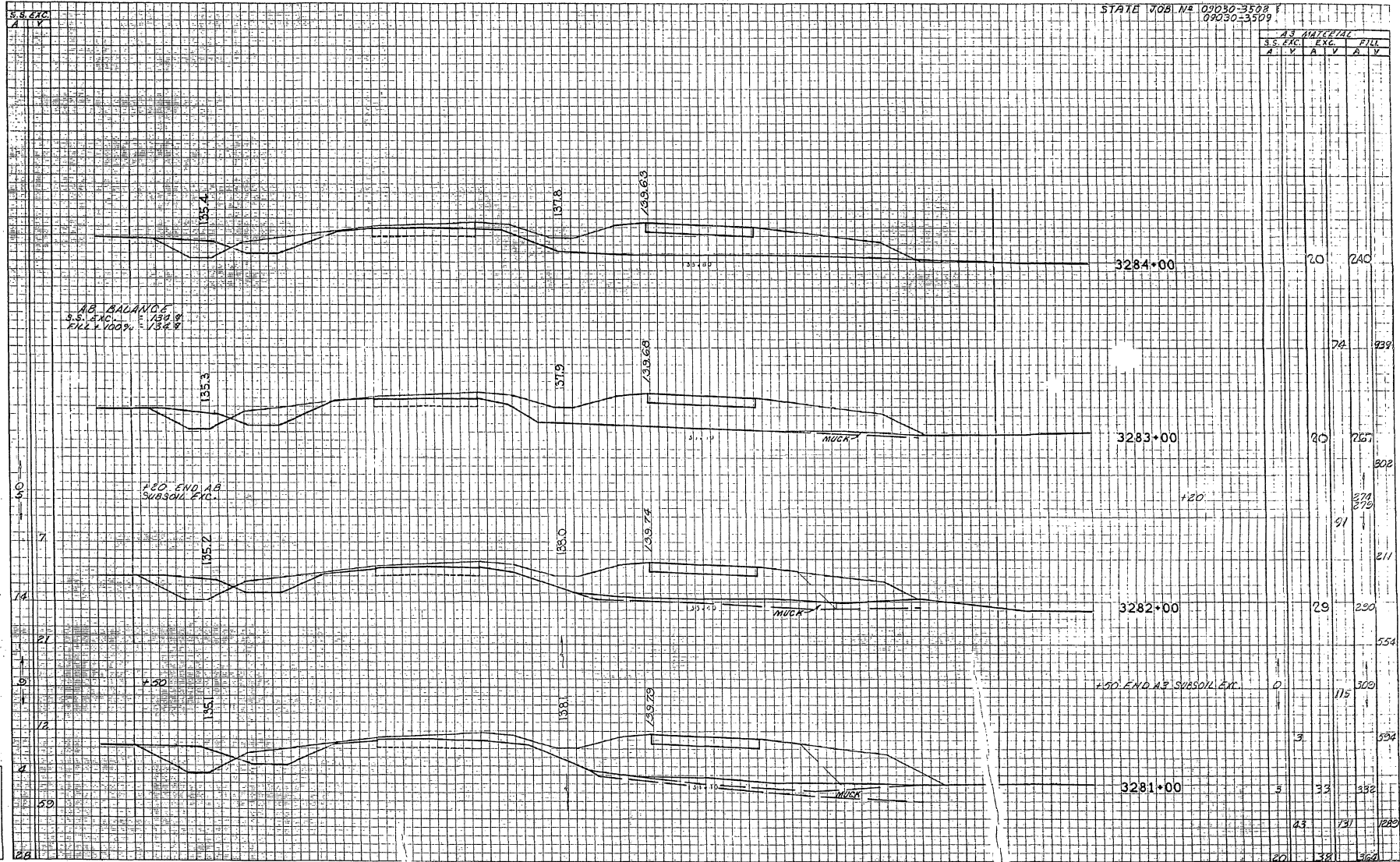
1. Name	
2. Title	
3. Date	
4. Scale	
5. Project	
6. Sheet	
7. Station	
8. Elevation	
9. Notes	
10. Remarks	

CROSS SECTIONS

Scale 1 inch = 5 feet Vert.
10 feet Horiz.

Fed. Road Dist. No.	State	County	Route	Proj. No.	Sheet No.
	FLA.	HIGHLANDS	S.R. 23	FD-707-27(D)	49

STATE JOB NO. 09030-3508 &
09030-3509



AB BALANDY
S.S. END. 1. = 134.9
FULL 100% = 134.3

F20 END. AB
SUBSOIL EXC.

F50 END. A.7 SUBSOIL EXC.

AS MATERIAL					
S.S. EXC.		FILL			
A	V	A	V	A	V
		20		240	
			74		939
		10		267	
					208
			91		371
					211
		29		290	
					554
		0			309
			3		115
					594
		5		33	332
			43		731
					1285
		20		381	560

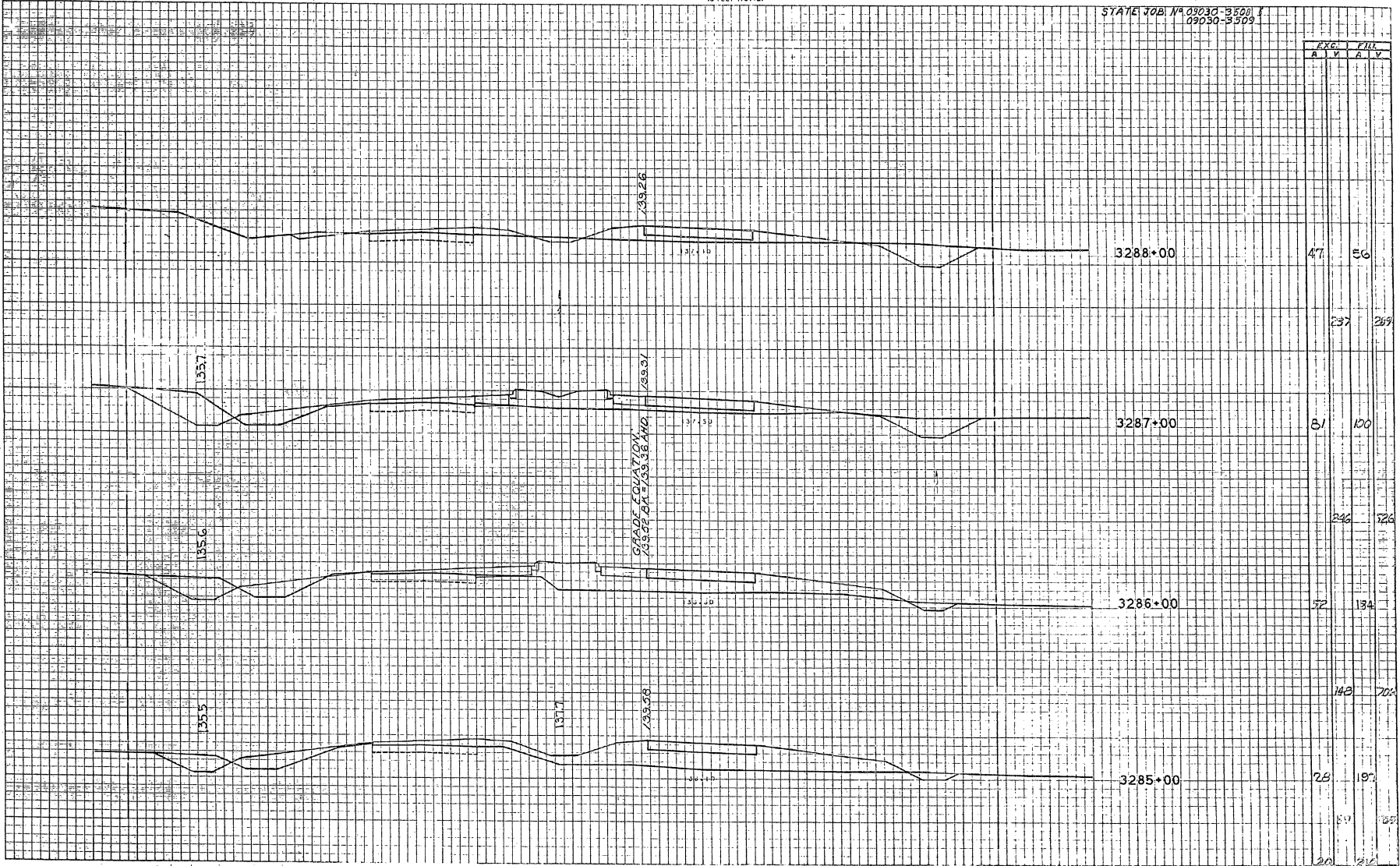
Drawn by	
Checked by	
Checked by	

GROSS SECTIONS

Scale 1 inch = 5 feet Vert.
10 feet Horiz.

Proj. No.	State	County	Route	Proj. No.	Sheet No.
8	Fla.	HIGHLANDS	S.R. 25	27-035-270	100

STATE JOB. NO. 09030-3500
09030-3509



Appointed By	
Drawn By	
Checked By	
Field Notes By	
Field Notes Date	
Field Notes No.	
Field Notes Title	
Field Notes Location	
Field Notes Date	
Field Notes No.	
Field Notes Title	
Field Notes Location	
Field Notes Date	
Field Notes No.	
Field Notes Title	
Field Notes Location	
Field Notes Date	

CROSS SECTIONS

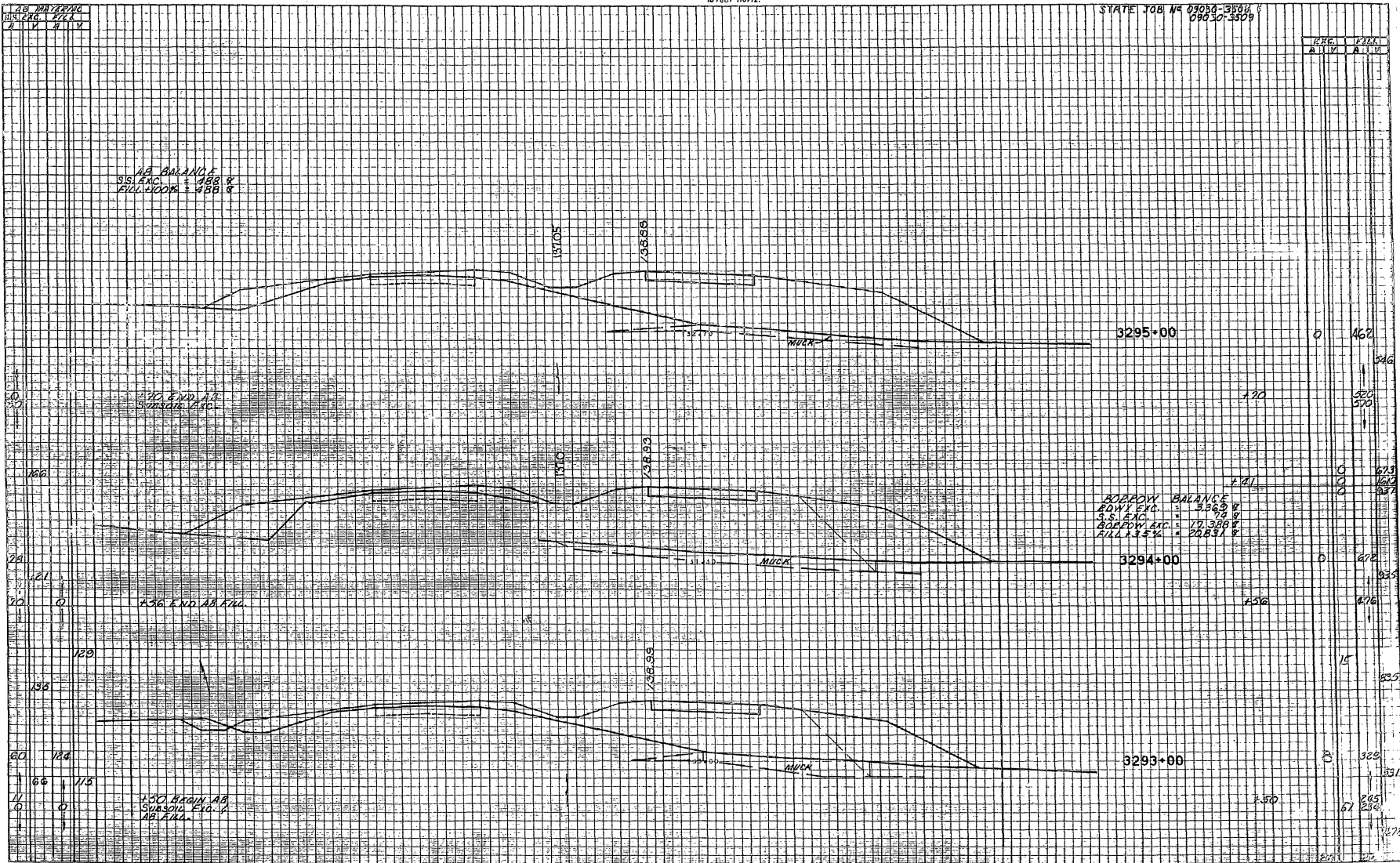
Scale: 1 inch = 5 feet Vert.
10 feet Horiz.

For Sheet	Date	County	Sheet	Proj. No.	Sheet No.
0		HIGHLANDS	5025	E17-113-17(C)	162

STATE JOB NO 09050-3508
09050-3509

AB MAY 22 1950
SILVANO & CO.
E.L. & W.C. SILVANO

FIG. 112
A 112
B 112



150 BEGIN AB
SILVANO EXC. 1
AB FILL

170 END AB
SILVANO EXC. 1
AB FILL

180 BEGIN AB
SILVANO EXC. 1
AB FILL

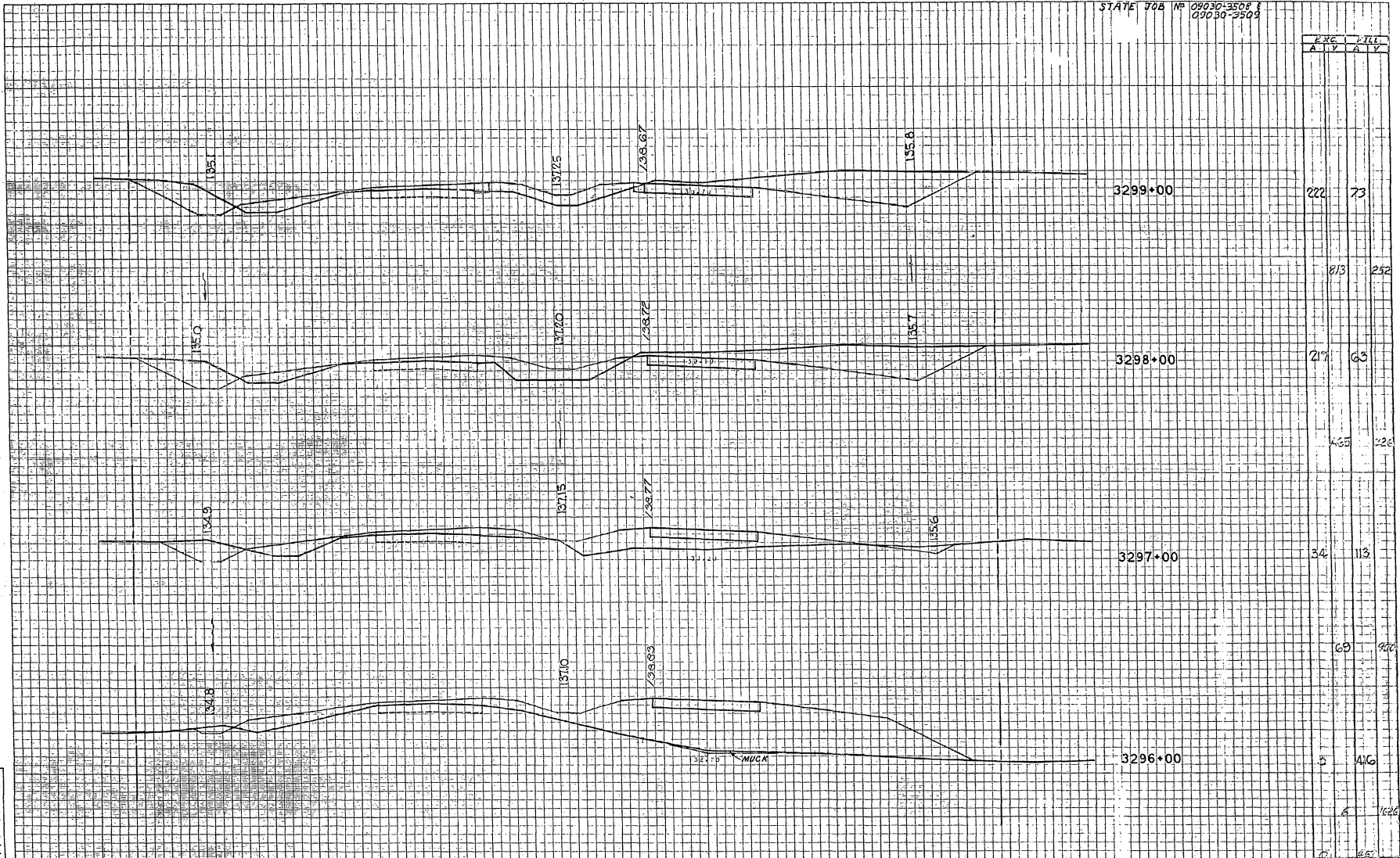
FORMULA

CROSS SECTIONS

Scale 1 inch = 5 feet Vert.
10 feet Horiz.

Proj. No.	State	County	Route	Proj. No.	Sheet No.
10930-3508 & 10930-3509	FLA	HIGHLANDS	S.R. 22	2/2-CIVIL-2/1/31	703

STATE JOB NO. 10930-3508 &
10930-3509



Checked by _____
 Drawn by _____
 Designated by _____
 Approved by _____
 Date _____

222 73
 217 63

813 252

465 228

69 920

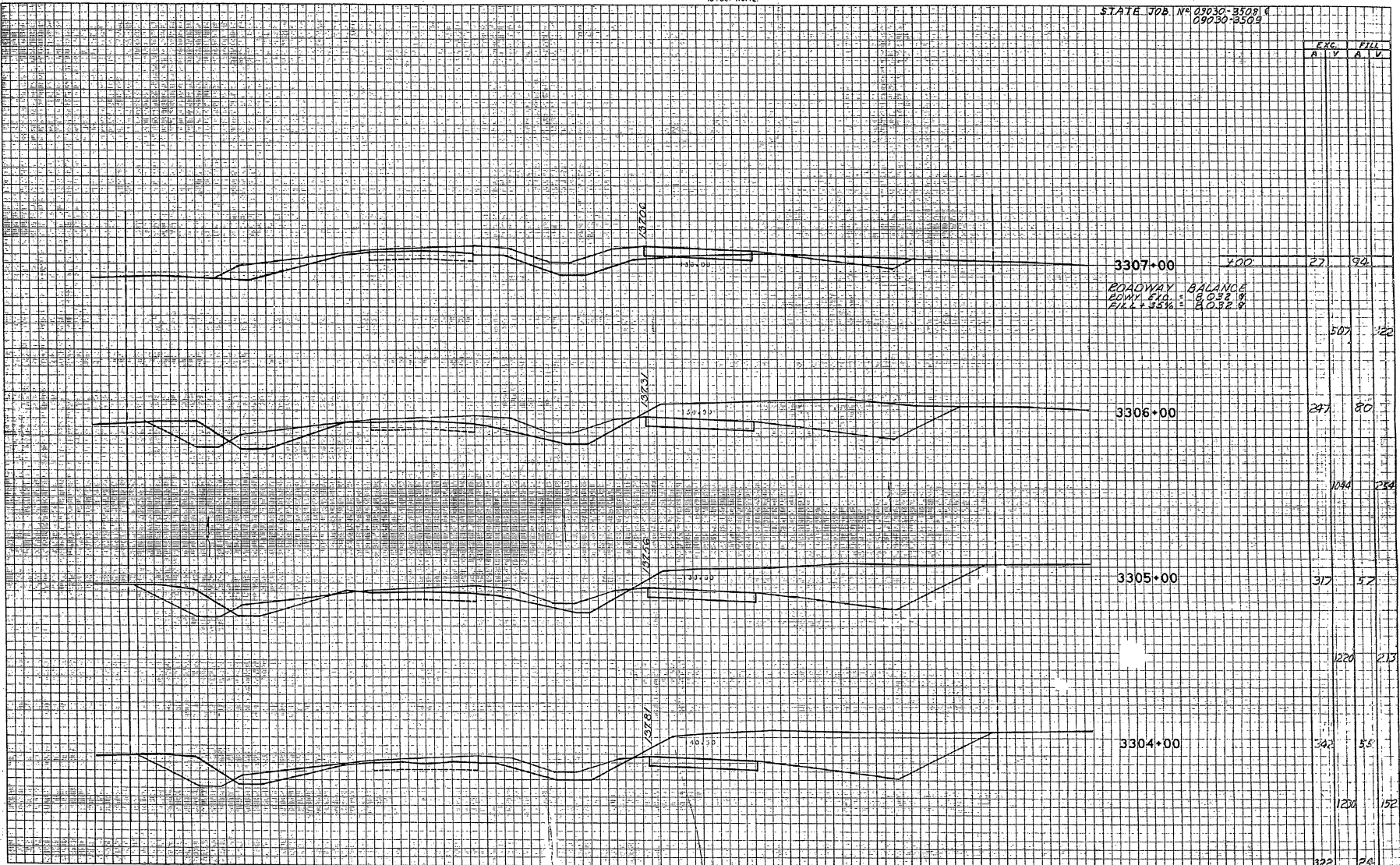
6 1626

72 457

CROSS SECTIONS
Scale 1 inch = 5 feet Vert.
10 feet Horiz.

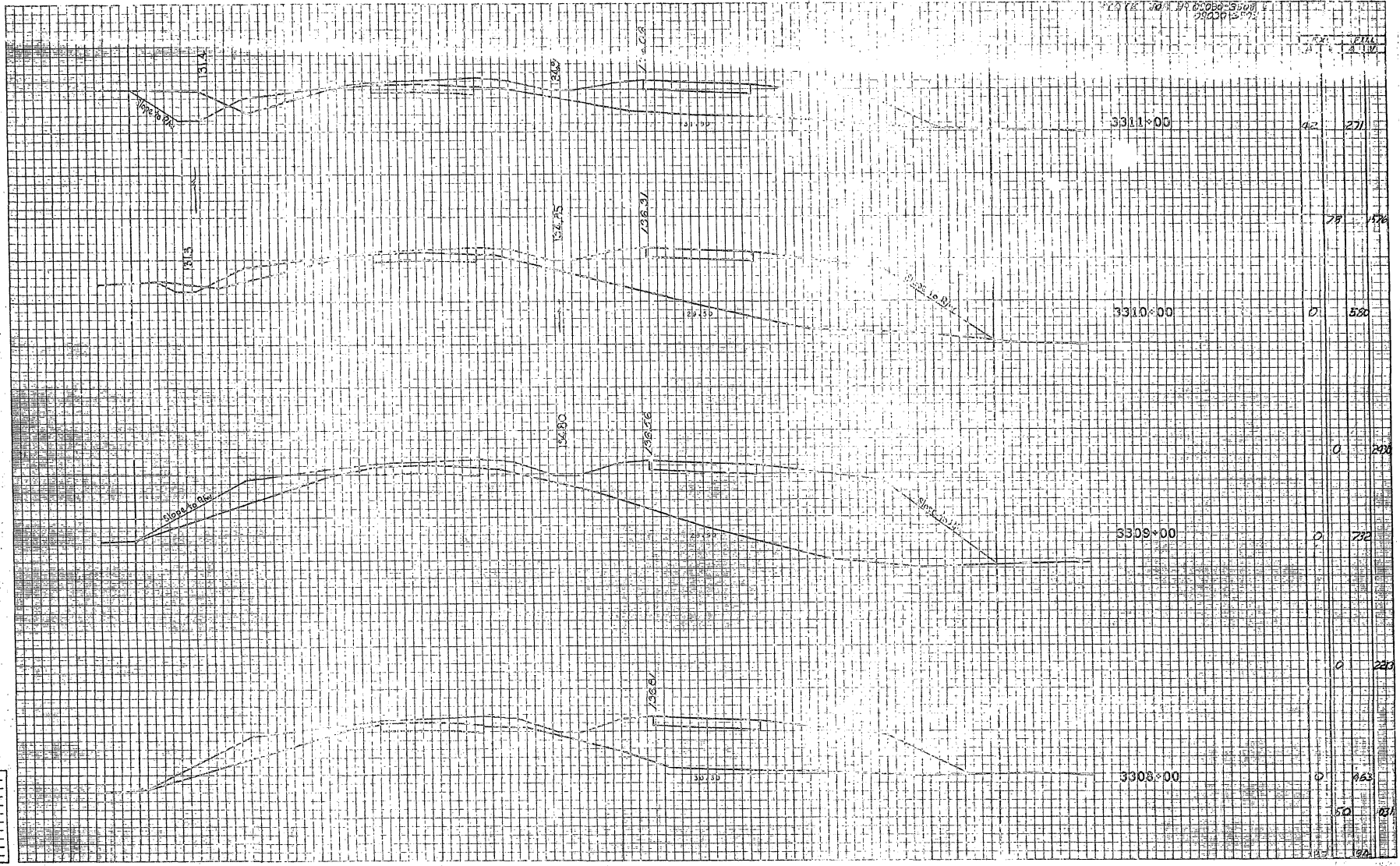
Proj. No.	State	County	Route	Proj. No.	Sheet No.
9	Fla.	HIGHLANDS	S.R. 25	17-079-2 (1 of 2)	105

STATE JOB NO. 09030-3509 &
09030-3509



CROSS SECTIONS
 Scale: 1 inch = 5 feet Vert.
 10 feet Horiz.

Proj.	Scale	Comp.	Date	Proj. No.	Sheet No.
101	1" = 5'	101	10/15/50	101	101



No.	Description
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	

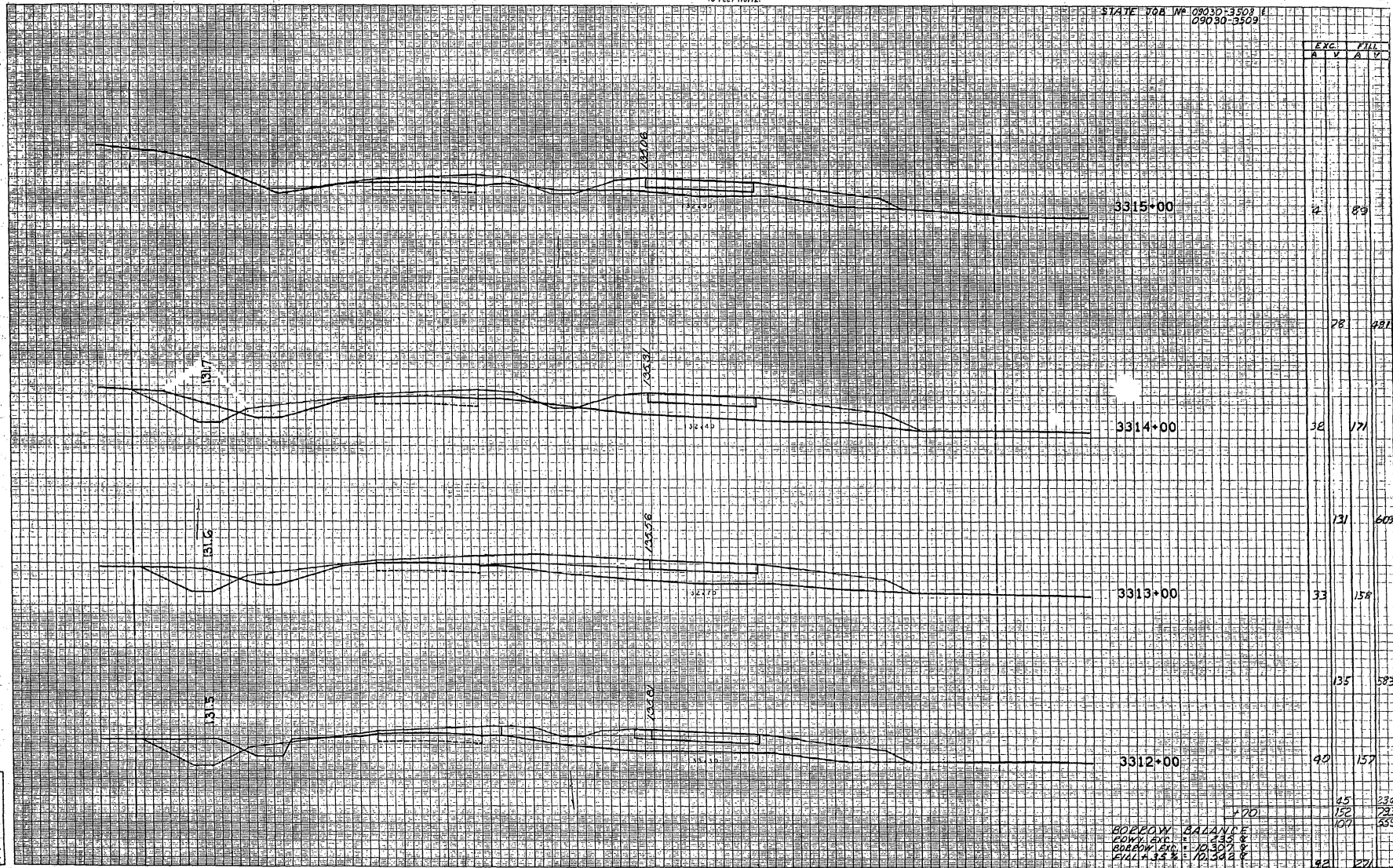
A. J. CORPUS
 CIVIL ENGINEER

CROSS SECTIONS

Scale 1 inch = 5 feet Vert.
10 feet Horiz.

Proj. No.	State	County	Route	Proj. No.	Sheet No.
08030-3503	IN	MIAMI	SR 25	1019-2(10)	107

STATE JOB NO. 08030-3503
09030-3509



Station	Exc.		Fill	
	A	V	A	V
3315+00	2		89	
3314+00	38		171	
3313+00	33		158	
3312+00	42		157	
TOTAL	115		583	
		45		236
		152		293
		107		539
	92		271	

270
 BORROW BALANCE
 BORROW EXC. = 10,307.8
 FILL @ 33% = 10,342.8

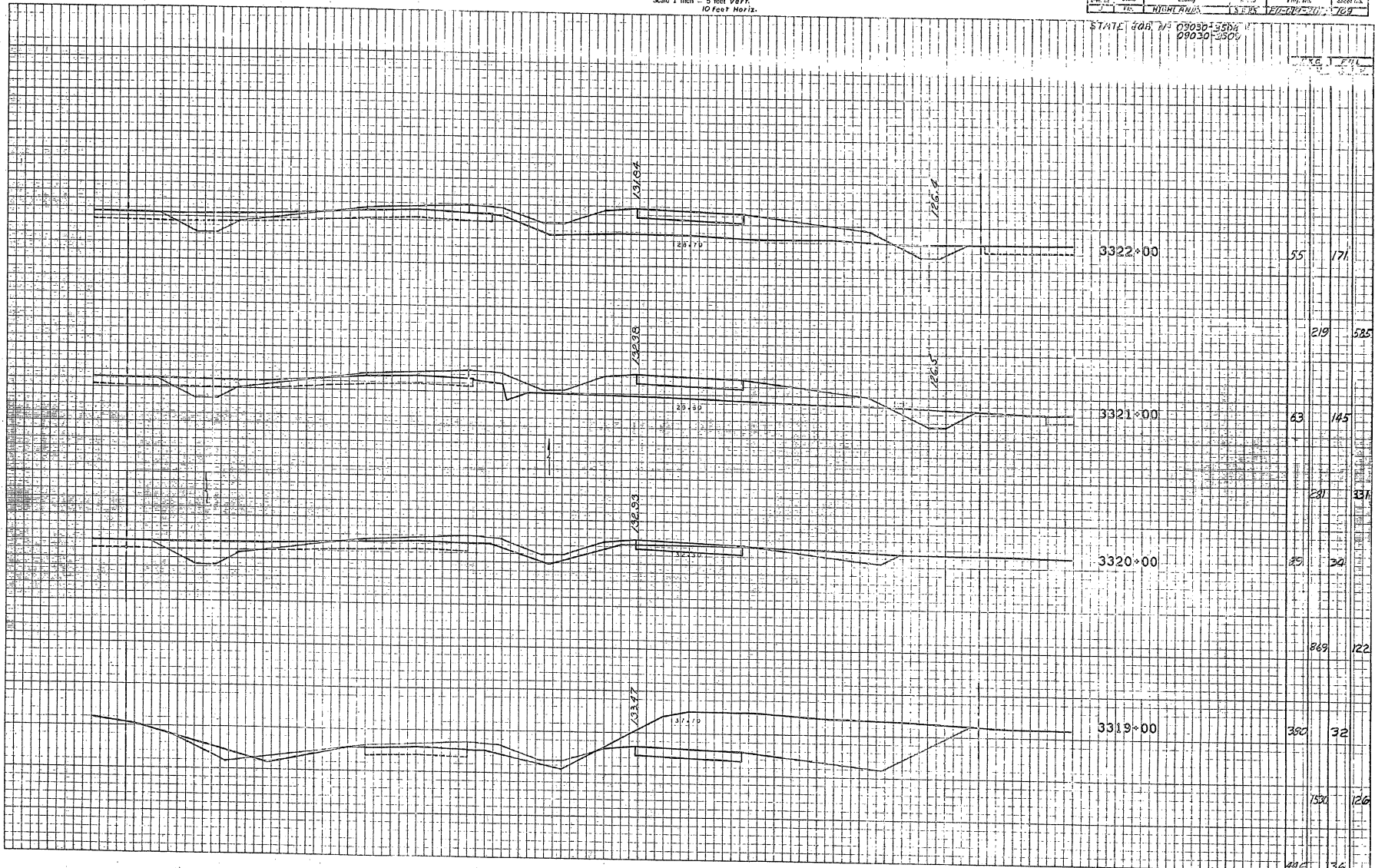
1. Proposed Grade	2. Ground
3. Vertical Curve	4. Right-of-Way
5. Elevation	6. Stationing
7. Slope	8. Curve Data
9. Notes	10. Scale

CROSS SECTIONS

Scale 1 inch = 5 feet Vert.
10 feet Horiz.

Project No.	Sheet	County	State	Proj. No.	Sheet No.
		HIGHLAND	UTAH	17777-200	129

STATE JOB NO. 09090-3554
09030-3300

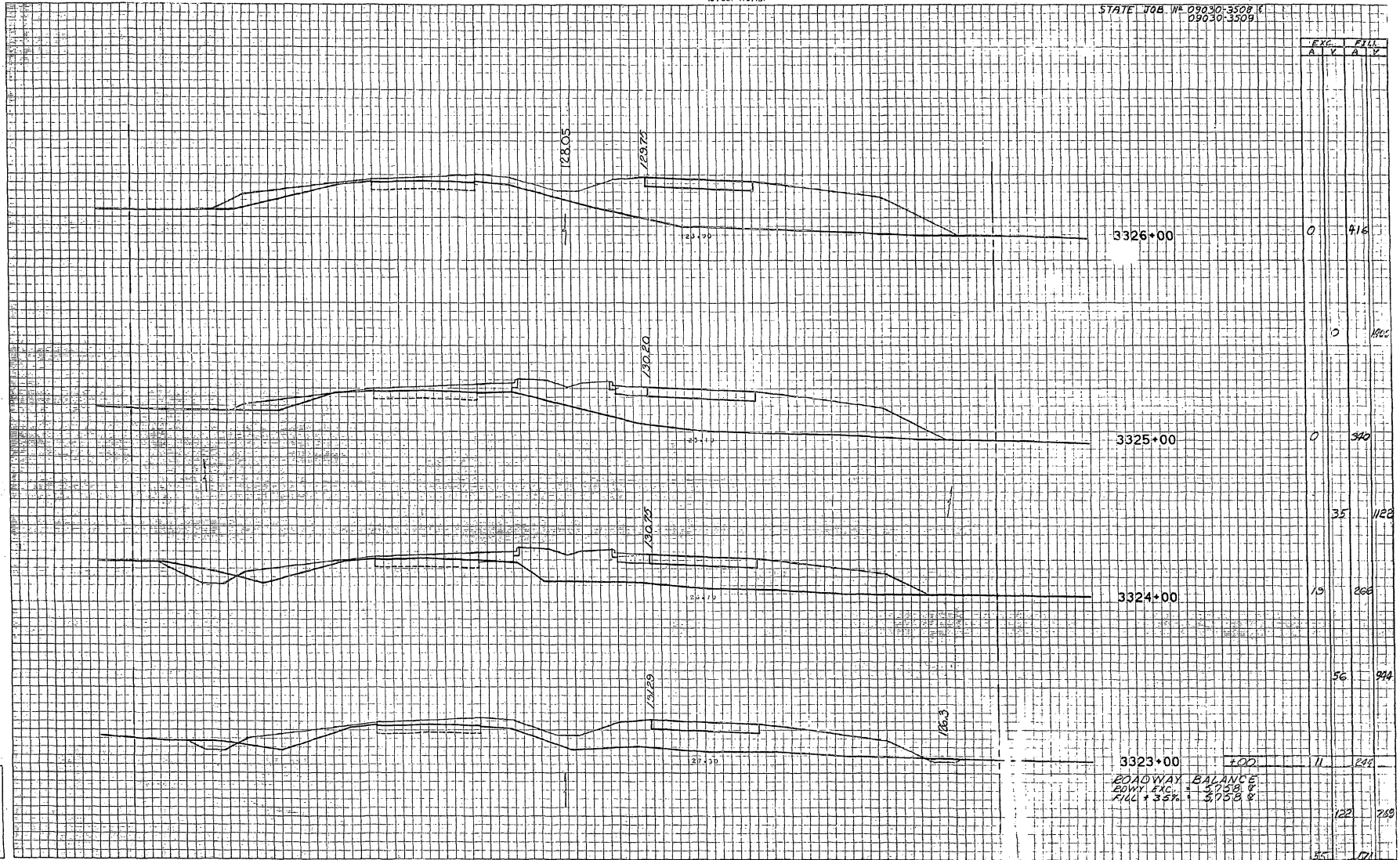


Checked By	
Reviewed By	
Designed By	
Drawn By	
Scale	
Date	
Project No.	
Sheet No.	
County	
State	

CROSS SECTIONS
 Scale 1 inch = 5 feet Vert.
 10 Feet Horiz.

Dist. No.	State	County	Route	Proj. No.	Sheet No.
2	116	HIGHLANDS	S.R. 23	111-019-2(11)	115

STATE JOB NO. 09030-3508 E
 09030-3509

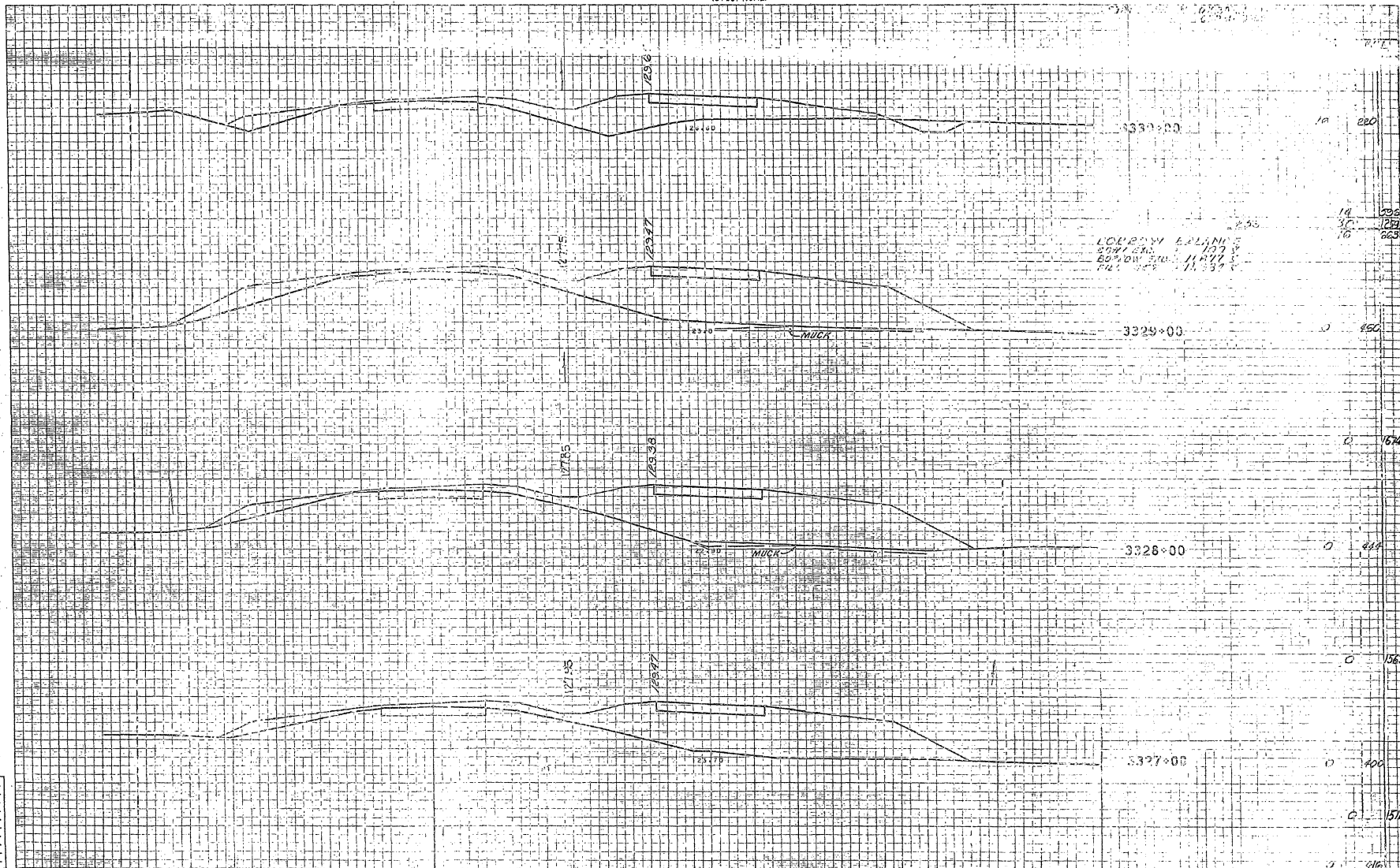


ROADWAY BALANCE
 BOWY EXC. = 5038.8
 FILL + 33% = 5755.8

CROSS SECTIONS

Scale 1 Inch = 5 Feet Vert.
10 Feet Horiz.

Sheet	15708-260
Project	111
Station	
Date	



LOEBBLY ENGINEERING
 2741 E. 13th St.
 BOULDER, CO. 80501
 TEL: 438-1111

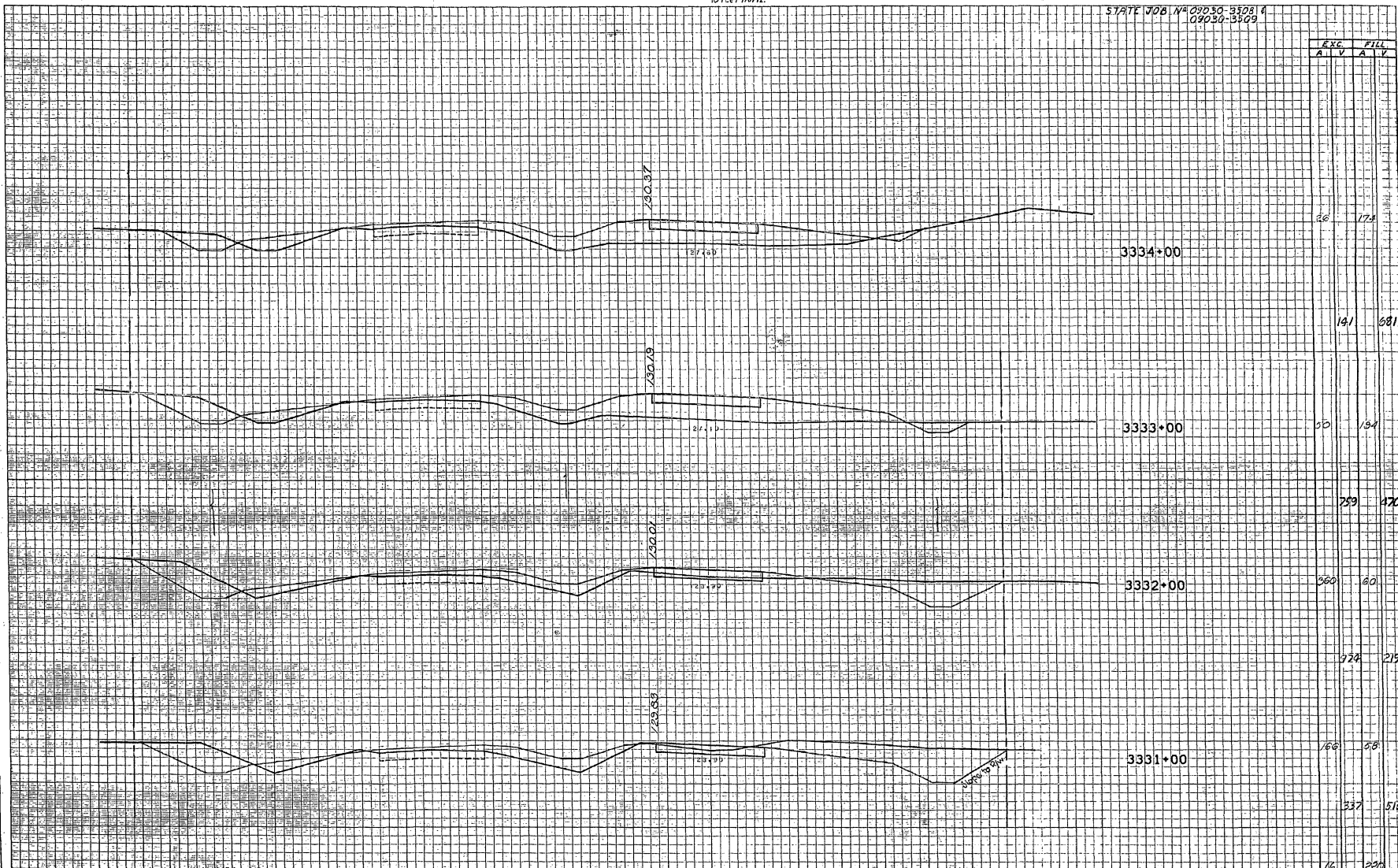
Station	3339+00	3329+00	3326+00	3327+00
Right of Way	220	150	144	140
Center Line	236	164	153	151
Left of Way	253	174	163	163

- 1. Proposed Road Profile
- 2. Existing Ground Profile
- 3. Muck
- 4. Right of Way
- 5. Center Line
- 6. Left of Way

CROSS SECTIONS
 Scale 1 inch = 5 feet Vert.
 10 feet Horiz.

Proj. No.	State	County	Route	Post. No.	Sheet No.
3	Ill.	HIGHLANDS	S.R. 25	FD-019-2165	11E

STATE JOB NO. 20050-3308
 10030-3109



Exc.	Fill
A	A
V	V

26	173
141	381
50	134
259	470
360	60
174	219
166	58
337	515
76	220

_____	Checked by _____
_____	Drawn by _____
_____	Scale _____
_____	Date _____
_____	Project _____
_____	Sheet _____
_____	Station _____
_____	State _____
_____	County _____
_____	Route _____
_____	Post. No. _____
_____	Proj. No. _____

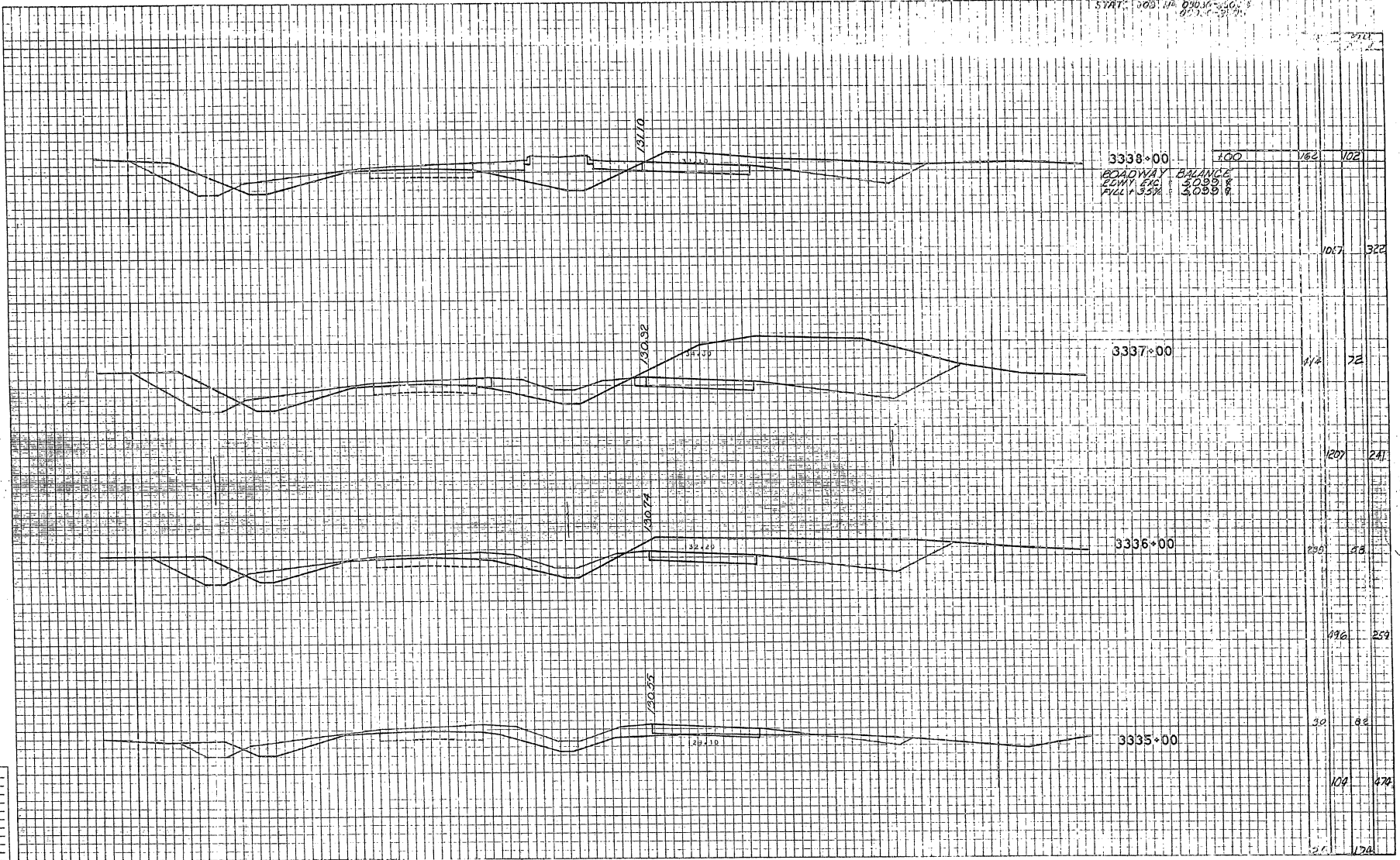
A. S. ROBERTS
 CIVIL ENGINEER

CROSS SECTIONS

Scale 1 Inch = 5 feet Vert.
10 Feet Horiz.

Sheet No.	Date	Drawn	Checked	Eng. No.	Sheet No.
102	1/15/20	M. H. H. H.	J. H. H.	102	102

START: 3335+00



Prepared by _____
 Checked by _____
 Drawn by _____
 Public Printed by _____
 Checked by _____
 Date _____
 Scale 1" = _____

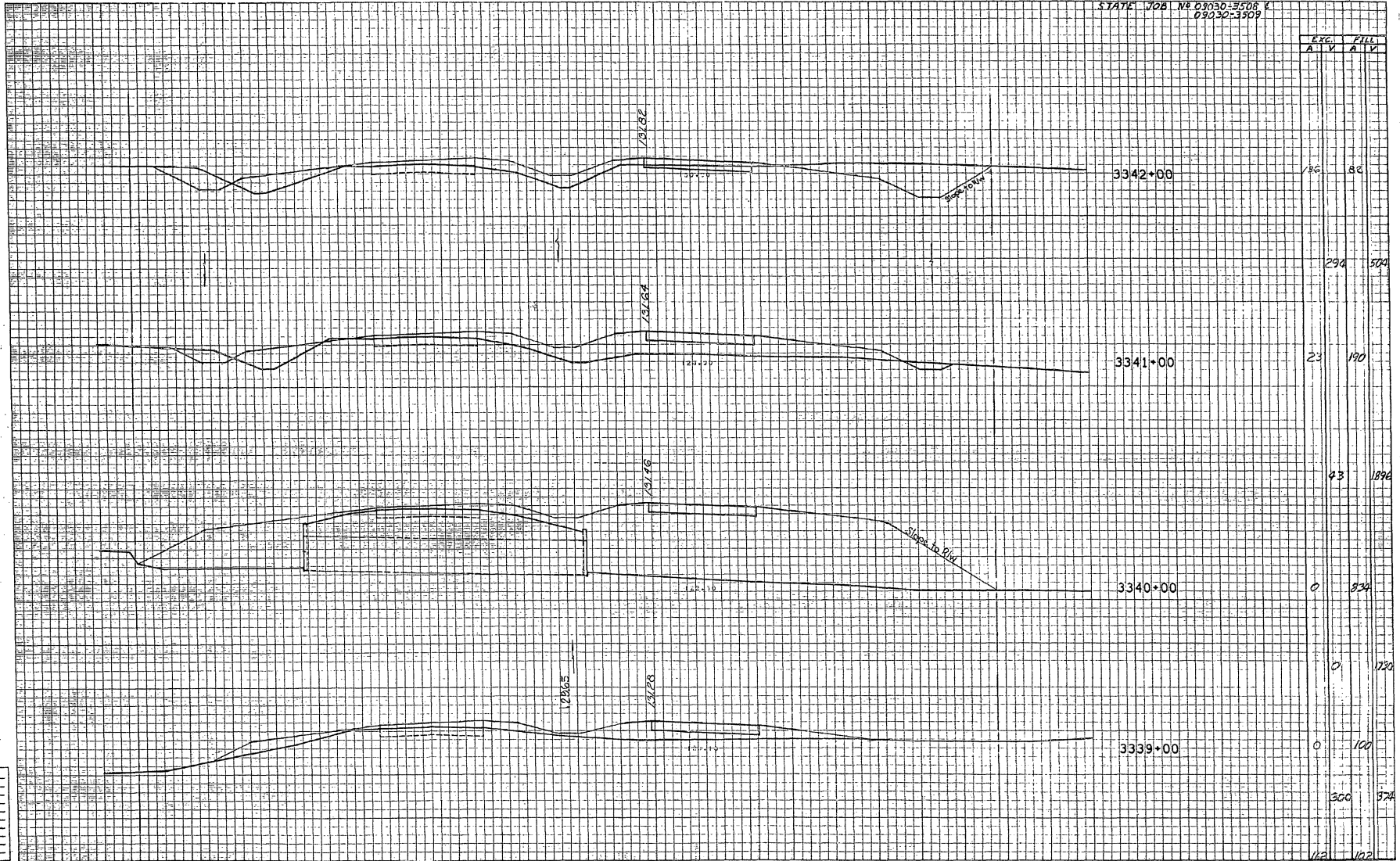
H. S. CORWELL
 ENGINEER, P.E.
 1120 N. 10th St., York, Pa.

CROSS SECTIONS

Scale 1 inch = 5 feet Vert.
10 feet Horiz.

Dist. No.	State	County	Sheet	Proj. No.	Sheet No.
9	Ill.	HIGHLANDS	5233	EU27D-27E, 27F	116

STATE JOB NO. 03030-3508 V
03030-3909

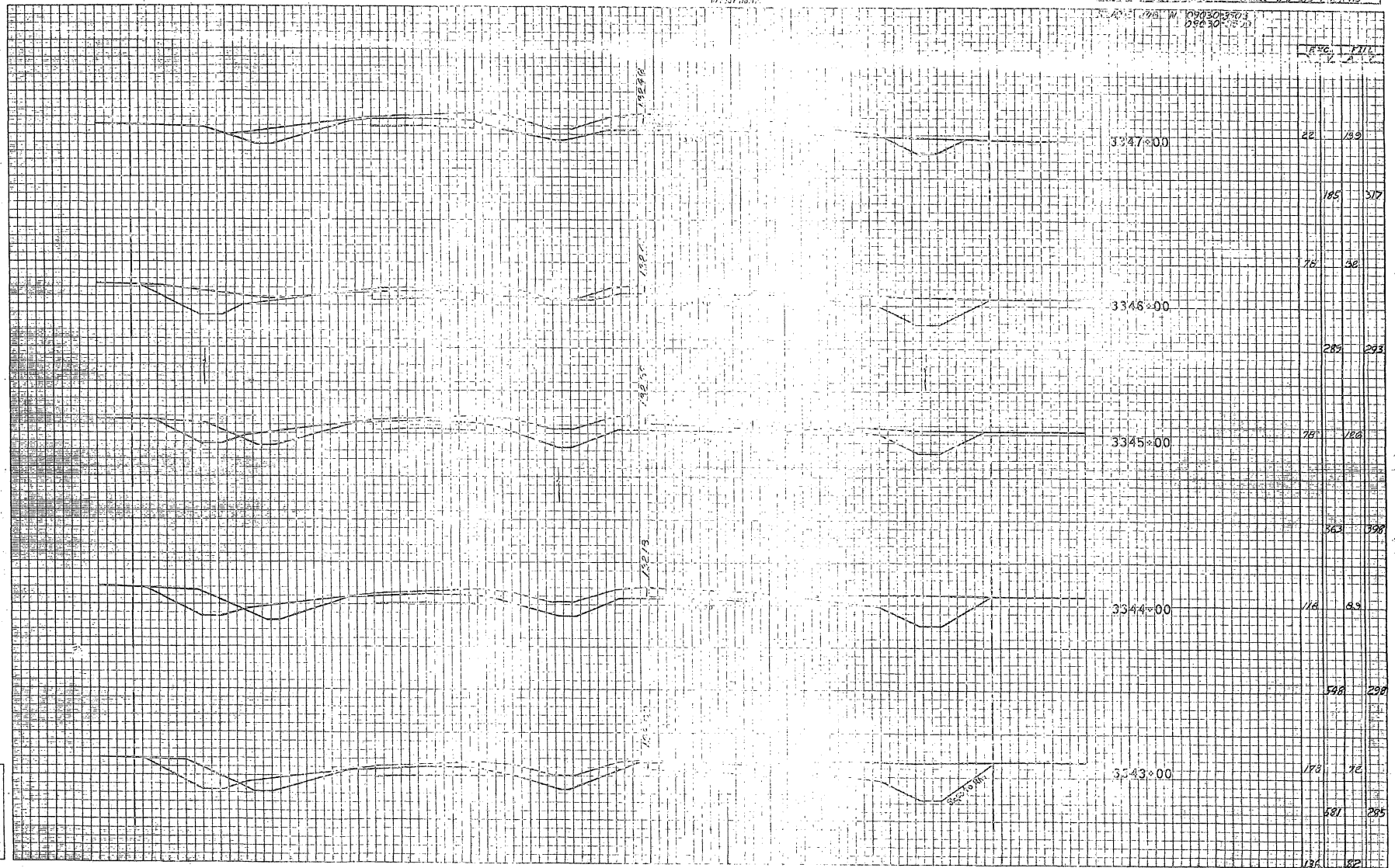


Exc.	Fill
A	A
0	0
294	504
23	190
43	1896
0	834
0	1720
0	100
300	574
122	102

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

ENGINEERING & ARCHITECTURE
 1234 5th Ave. New York, N.Y.
 (212) 123-4567

Sheet No.	Case No.	Proj. No.	Drawn By
100	100	100	100

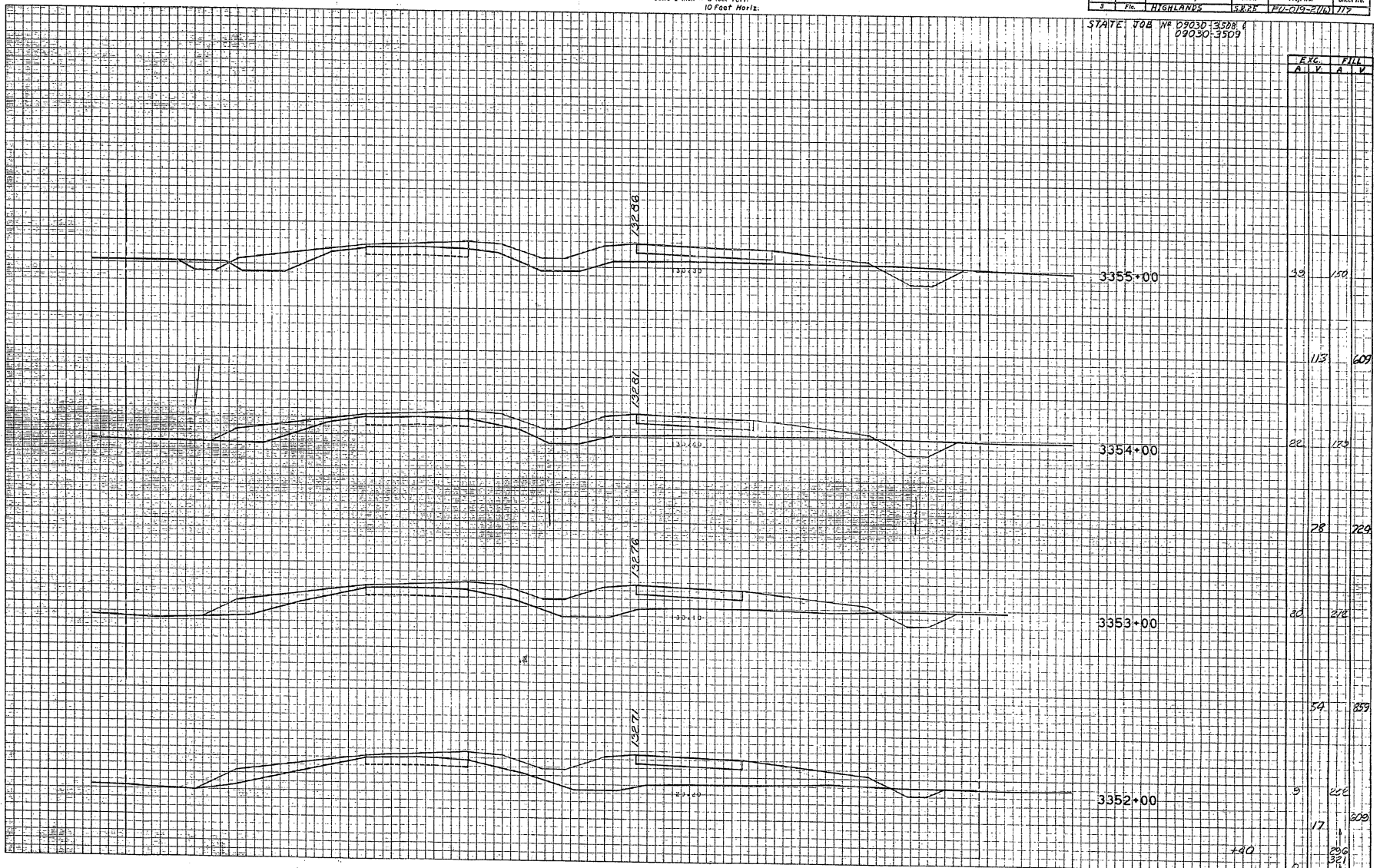


1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50

CROSS SECTIONS
 Scale 1 inch = 5 feet Vert.
 10 Feet Horiz.

Proj. No.	State	County	Route	Proj. No.	Sheet No.
3	Fla.	HIGHLANDS	S.R. 22	FD-019-210	117

STATE JOB # 09030-3308
 09030-3309



+40

17
 29
 321

CROSS SECTIONS
Scale 1 inch = 5 feet
Horizontal

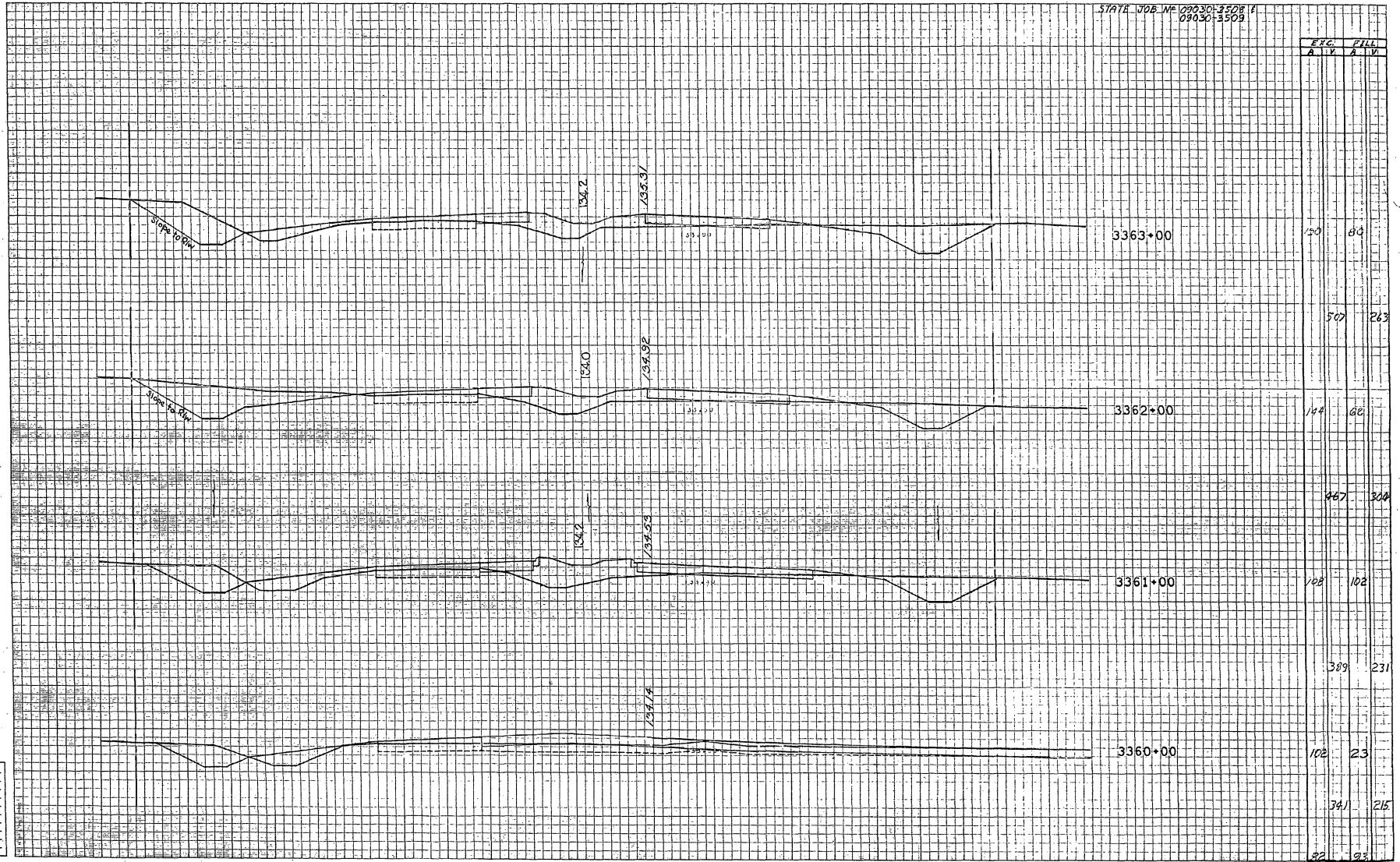
Station	Area	Volume	Remarks
3356+00	182	237	
3357+00	190	242	
3358+00	198	247	
3359+00	206	252	
3360+00	214	257	
3361+00	222	262	
3362+00	230	267	
3363+00	238	272	
3364+00	246	277	
3365+00	254	282	
3366+00	262	287	
3367+00	270	292	
3368+00	278	297	
3369+00	286	302	
3370+00	294	307	
3371+00	302	312	
3372+00	310	317	
3373+00	318	322	
3374+00	326	327	
3375+00	334	332	
3376+00	342	337	
3377+00	350	342	
3378+00	358	347	
3379+00	366	352	
3380+00	374	357	
3381+00	382	362	
3382+00	390	367	
3383+00	398	372	
3384+00	406	377	
3385+00	414	382	
3386+00	422	387	
3387+00	430	392	
3388+00	438	397	
3389+00	446	402	
3390+00	454	407	
3391+00	462	412	
3392+00	470	417	
3393+00	478	422	
3394+00	486	427	
3395+00	494	432	
3396+00	502	437	
3397+00	510	442	
3398+00	518	447	
3399+00	526	452	
3400+00	534	457	
3401+00	542	462	
3402+00	550	467	
3403+00	558	472	
3404+00	566	477	
3405+00	574	482	
3406+00	582	487	
3407+00	590	492	
3408+00	598	497	
3409+00	606	502	
3410+00	614	507	
3411+00	622	512	
3412+00	630	517	
3413+00	638	522	
3414+00	646	527	
3415+00	654	532	
3416+00	662	537	
3417+00	670	542	
3418+00	678	547	
3419+00	686	552	
3420+00	694	557	
3421+00	702	562	
3422+00	710	567	
3423+00	718	572	
3424+00	726	577	
3425+00	734	582	
3426+00	742	587	
3427+00	750	592	
3428+00	758	597	
3429+00	766	602	
3430+00	774	607	
3431+00	782	612	
3432+00	790	617	
3433+00	798	622	
3434+00	806	627	
3435+00	814	632	
3436+00	822	637	
3437+00	830	642	
3438+00	838	647	
3439+00	846	652	
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3443+00	878	672	
3444+00	886	677	
3445+00	894	682	
3446+00	902	687	
3447+00	910	692	
3448+00	918	697	
3449+00	926	702	
3450+00	934	707	
3451+00	942	712	
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3453+00	958	722	
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3455+00	974	732	
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3462+00	1030	767	
3463+00	1038	772	
3464+00	1046	777	
3465+00	1054	782	
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3468+00	1078	797	
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3471+00	1102	812	
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3473+00	1118	822	
3474+00	1126	827	
3475+00	1134	832	
3476+00	1142	837	
3477+00	1150	842	
3478+00	1158	847	
3479+00	1166	852	
3480+00	1174	857	
3481+00	1182	862	
3482+00	1190	867	
3483+00	1198	872	
3484+00	1206	877	
3485+00	1214	882	
3486+00	1222	887	
3487+00	1230	892	
3488+00	1238	897	
3489+00	1246	902	
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3491+00	1262	912	
3492+00	1270	917	
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3494+00	1286	927	
3495+00	1294	932	
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3497+00	1310	942	
3498+00	1318	947	
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3501+00	1342	962	
3502+00	1350	967	
3503+00	1358	972	
3504+00	1366	977	
3505+00	1374	982	
3506+00	1382	987	
3507+00	1390	992	
3508+00	1398	997	
3509+00	1406	1002	
3510+00	1414	1007	
3511+00	1422	1012	
3512+00	1430	1017	
3513+00	1438	1022	
3514+00	1446	1027	
3515+00	1454	1032	
3516+00	1462	1037	
3517+00	1470	1042	
3518+00	1478	1047	
3519+00	1486	1052	
3520+00	1494	1057	
3521+00	1502	1062	
3522+00	1510	1067	
3523+00	1518	1072	
3524+00	1526	1077	
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3526+00	1542	1087	
3527+00	1550	1092	
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3529+00	1566	1102	
3530+00	1574	1107	
3531+00	1582	1112	
3532+00	1590	1117	
3533+00	1598	1122	
3534+00	1606	1127	
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3536+00	1622	1137	
3537+00	1630	1142	
3538+00	1638	1147	
3539+00	1646	1152	
3540+00	1654	1157	
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3542+00	1670	1167	
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3545+00	1694	1182	
3546+00	1702	1187	
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3548+00	1718	1197	
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3551+00	1742	1212	
3552+00	1750	1217	
3553+00	1758	1222	
3554+00	1766	1227	
3555+00	1774	1232	
3556+00	1782	1237	
3557+00	1790	1242	
3558+00	1798	1247	
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3560+00	1814	1257	
3561+00	1822	1262	
3562+00	1830	1267	
3563+00	1838	1272	
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3565+00	1854	1282	
3566+00	1862	1287	
3567+00	1870	1292	
3568+00	1878	1297	
3569+00	1886	1302	
3570+00	1894	1307	
3571+00	1902	1312	
3572+00	1910	1317	
3573+00	1918	1322	
3574+00	1926	1327	
3575+00	1934	1332	
3576+00	1942	1337	
3577+00	1950	1342	
3578+00	1958	1347	
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3581+00	1982	1362	
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3583+00	1998	1372	
3584+00	2006	1377	
3585+00	2014	1382	
3586+00	2022	1387	
3587+00	2030	1392	
3588+00	2038	1397	
3589+00	2046	1402	
3590+00	2054	1407	
3591+00	2062	1412	
3592+00	2070	1417	
3593+00	2078	1422	
3594+00	2086	1427	
3595+00	2094	1432	
3596+00	2102	1437	
3597+00	2110	1442	
3598+00	2118	1447	
3599+00	2126	1452	
3600+00	2134	1457	
3601+00	2142	1462	
3602+00	2150	1467	
3603+00	2158	1472	
3604+00	2166	1477	
3605+00	2174	1482	
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3607+00	2190	1492	
3608+00	2198	1497	
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3630+00	2374	1607	
3631+00	2382	1612	
3632+00	2390	1617	
3633+00	2398	1622	
3634+00	2406	1627	
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3643+00	2478	1672	
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3645+00	2494	1682	
3646+00	2502	1687	
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3661+00	2622	1762	
3662+00	2630	1767	
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3668+00	2678	1797	
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3670+00	2694	1807	
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3672+00	2710	1817	
3673+00	2718	1822	
3674+00	2726	1827	
3675+00	2734	1832	
3676+00	2742	1837	
3677+00	2750	1842	
3678+00	2758	1847	
3679+00	2766	1852	
3680+00	2774	1857	
3681+00	2782	1862	
3682+00	2790	1867	
3683+00	2798	1872	
3684+00	2806	1877	
3685+00	28		

CROSS SECTIONS

Scale 1 inch = 5 feet Vert.
10 feet Horiz.

Proj. No.	State	County	Route	Proj. No.	Sheet No.
3	Ill.	HIGHLANDS	S.R. 25	EV-010-11(D)	12

STATE JOB NO. 09030-3508 1
09030-3509



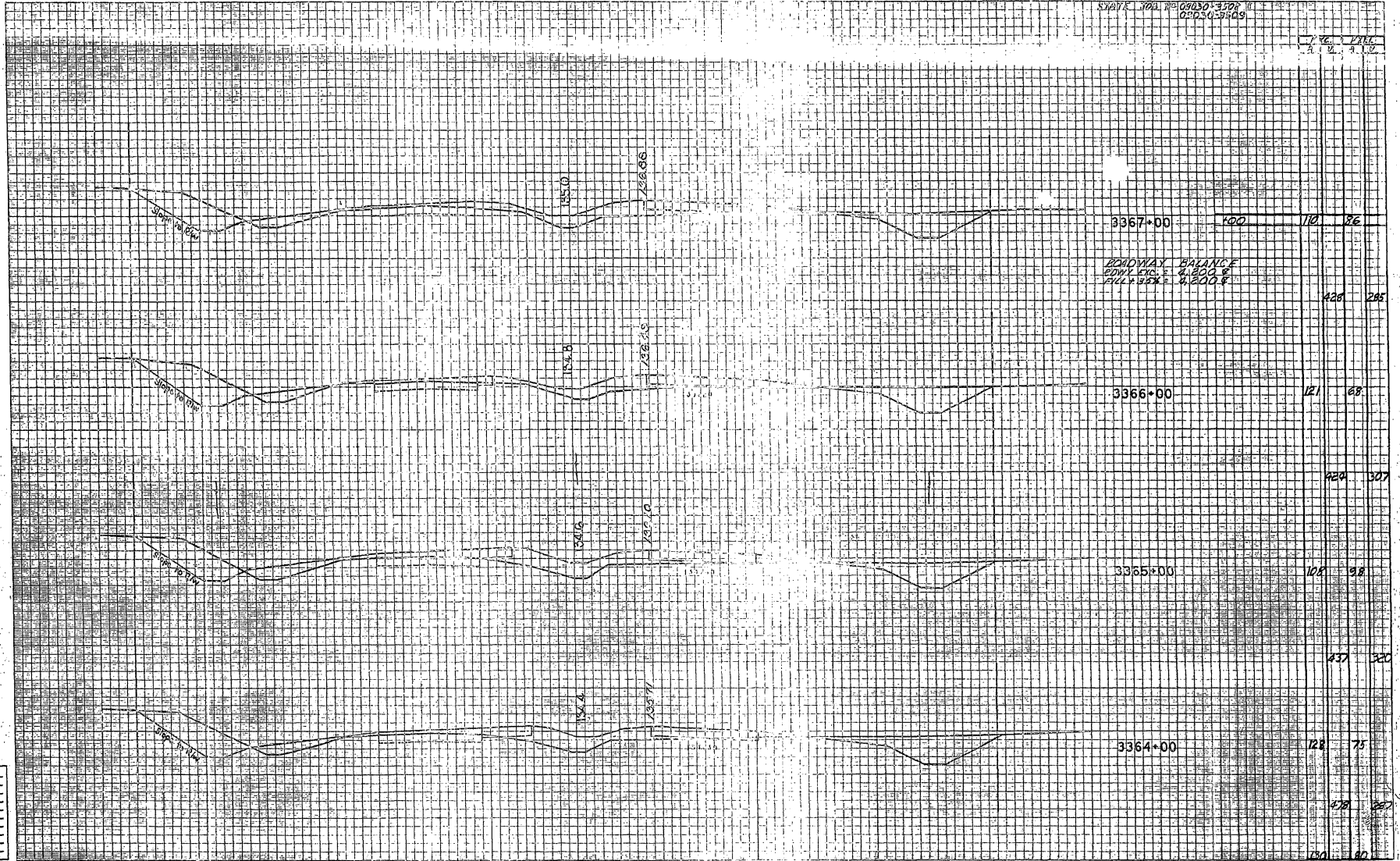
E.T.C.	FILL	
	A.V.	A.V.
	50	63
	50	263
	144	66
	467	304
	102	102
	389	231
	102	23
	341	215
	22	23

CROSS SECTIONS

Scale 1 inch = 10 feet, vertical 1 inch = 10 feet

Proj. No.	Sheet No.	County	Route	Proj. No.	Sheet No.
09430-3108	122	HIGHLANDS	5128	09430-3108	122

DATE 10/1/50
 09430-3108
 09430-3109



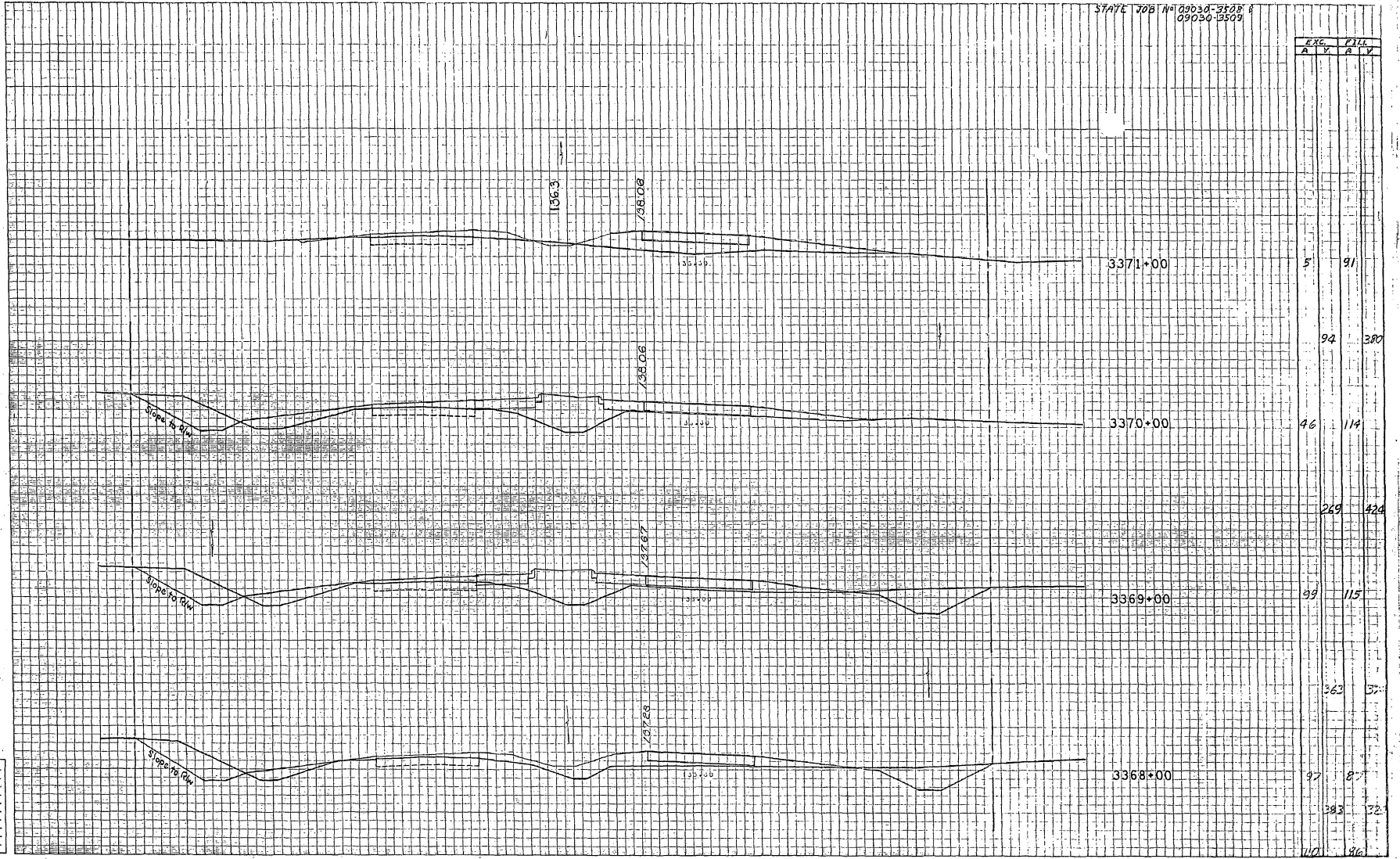
ROADWAY BALANCE
 COMPLETE 4,800.00
 FULL 4,800.00

Prepared by	Checked by
Drawn by	Reviewed by
Scale	Vertical Scale
Project No.	Sheet No.
County	Route
Date	

CROSS SECTIONS
Scale 1 inch = 5 feet Vert
10 feet Horiz.

Proj. No.	Dist.	County	Town	Proj. No.	Sheet No.
3		HIGHLANDS	SHREVE	27-03-370	121

STATE JOB No. 09030-3108 &
09030-13509



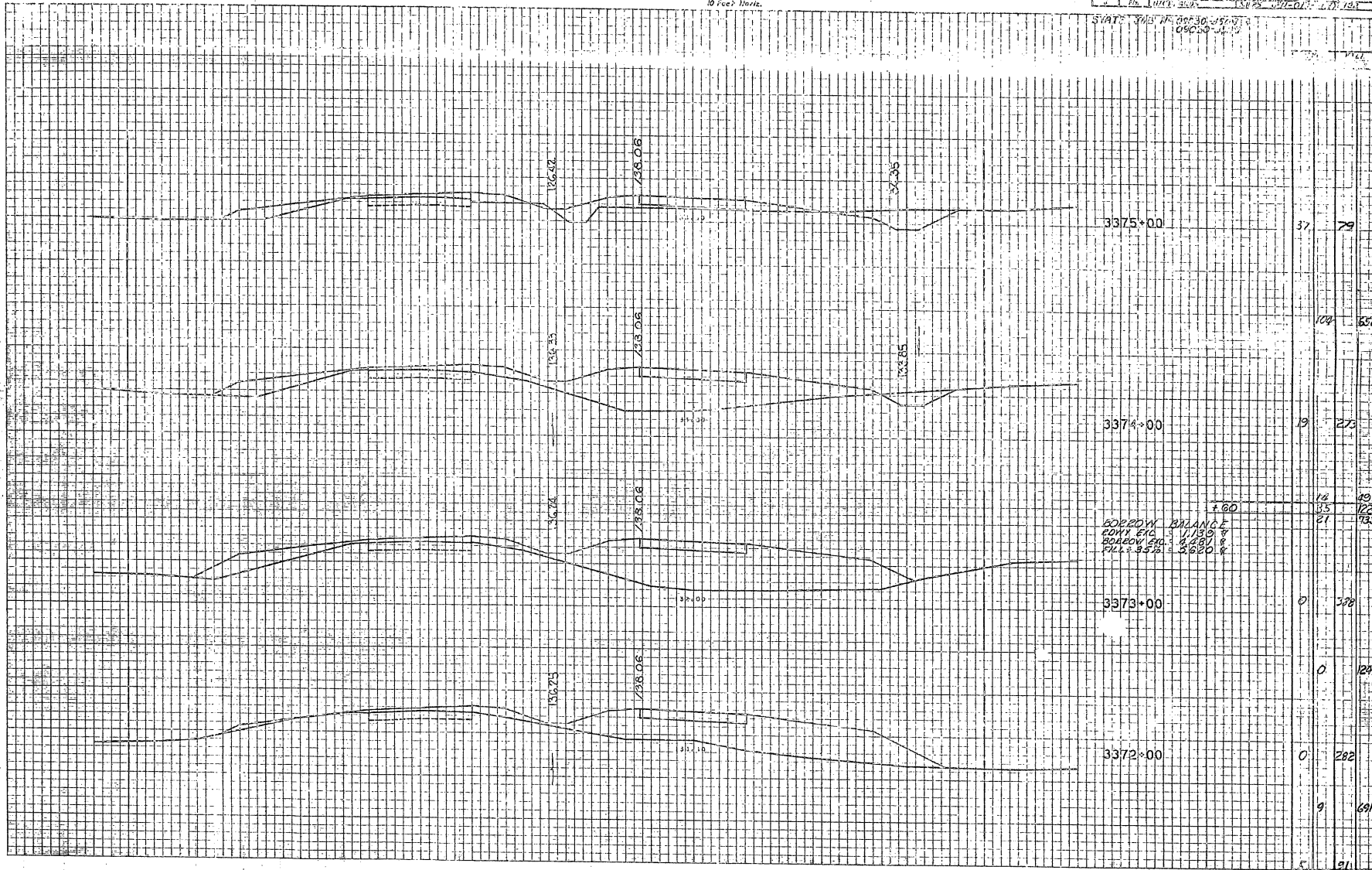
Checked by	
Drawn by	
Designed by	
Estimated by	
Approved by	
Checked by	
Checked by	

CROSS SECTIONS

Scale 1 inch = 5 feet Vert
10 feet Horiz.

DATE	DRAWN	CHECKED	APP'D	DATE
11/15/54	W.H. BURN			11/15/54

STATE HIGHWAY DEPT. 30-3570
1953-54



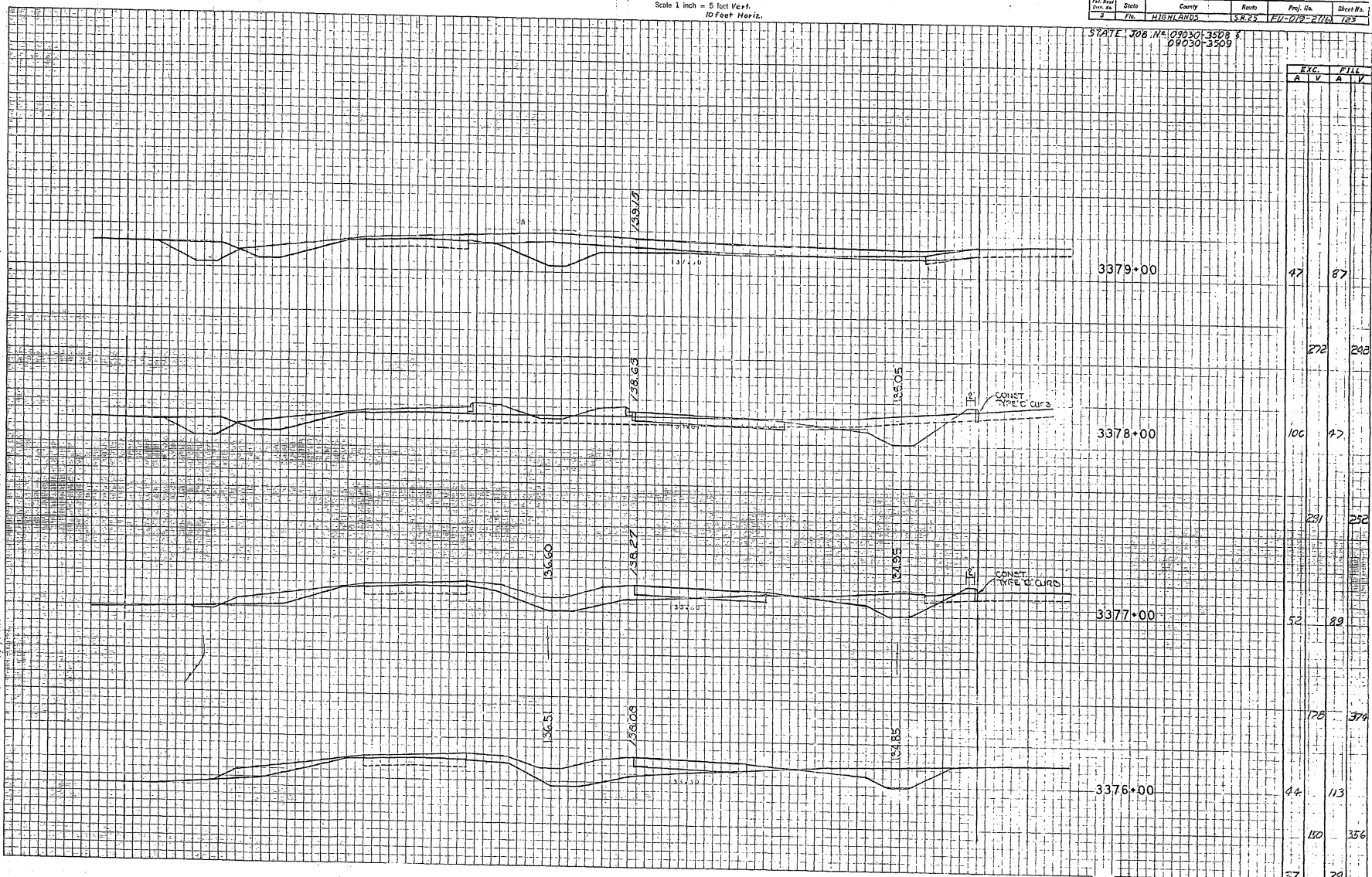
+ 0.0
BORROW BALANCE
LOWY E.C. 1,139.74
BORROW E.C. 8,287.8
FILL 3.5% 3,620.8

CROSS SECTIONS

Scale 1 inch = 5 feet Vert.
10 Feet Horiz.

Proj. No.	State	County	Route	Proj. Sta.	Sheet No.
2	HIGHLANDS	SR23	FD-019-210	123	

STATE JOB NO. 09030-3508 &
09030-3509



Station	Exc. & Fill	
	Exc. (ft)	Fill (ft)
3379+00	47	87
3378+00	272	292
3377+00	291	252
3376+00	178	376
Total	44	113
	150	356
	27	29

Prepared by _____
 Checked by _____
 Drawn by _____
 Date _____
 Scale _____
 A. H. CROSSLAND
 ENGINEER, P.E.

CROSS SECTIONS
Scale 1 inch = 5 feet Vert.
10 Feet Horiz.

Proj. No.	37472	Sheet	746	Conty.	00035-3339	Dist.	00030-3503
State	PA.	City	HARRISBURG	Dist.	00030-3503	Dist.	00030-3503



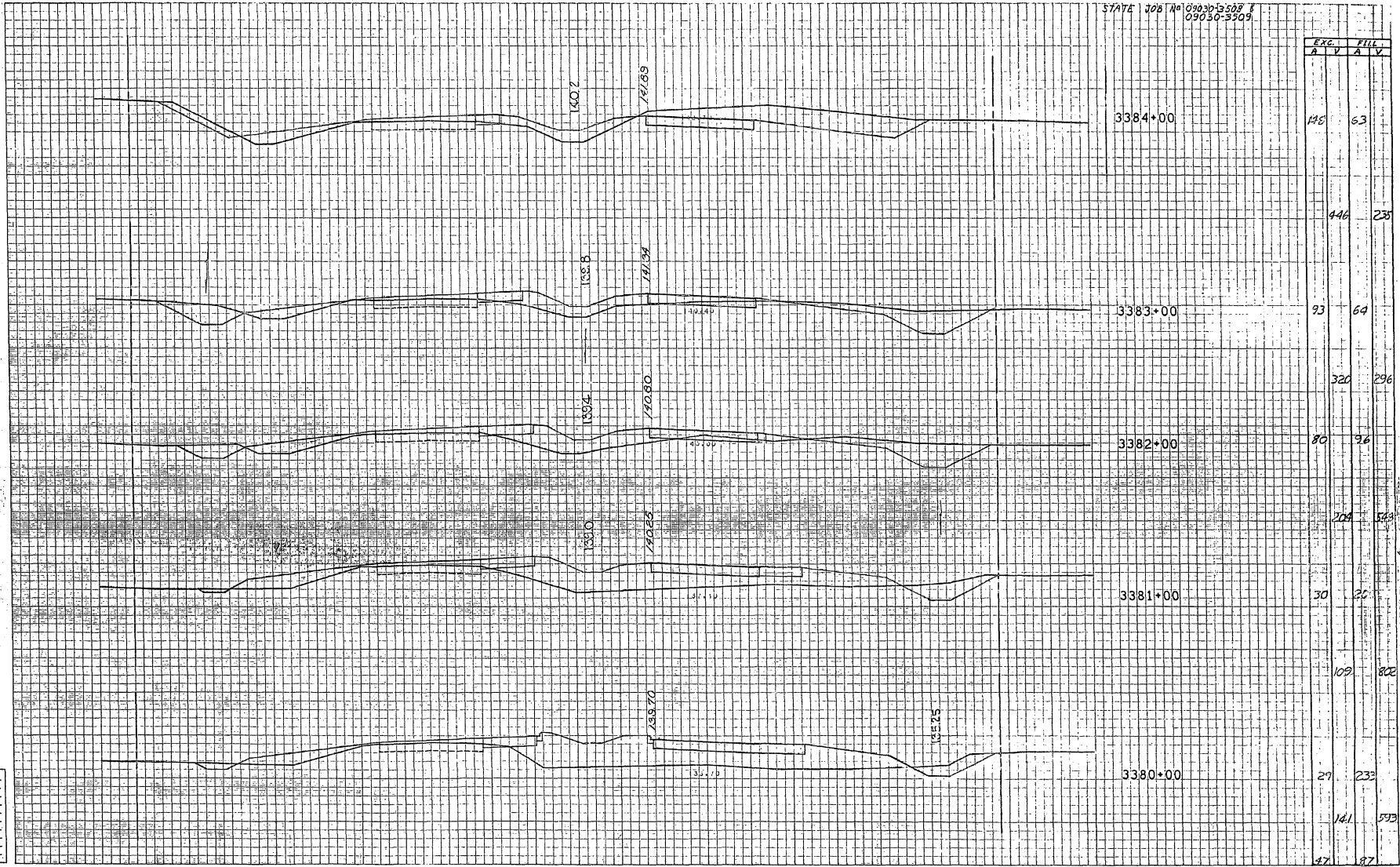
Station	3388+00	3387+00	3386+00	3385+00
Left Side	105	310	598	366
Right Side	89	29	19	58

Scale	1 inch = 5 feet Vert.	10 feet Horiz.
Author		
Checked by		
Approved by		
Date		

01000000 0000000000
 Scale 1 inch = 5 feet Vert.
 10 feet Horiz.

Fed. Road Dist. No.	State	County	Route	Proj. No.	Sheet No.
9	Fla.	HIGHLANDS	32KAS	EV-703-270	102

STATE JOB No 09030-3508 &
 09050-3509

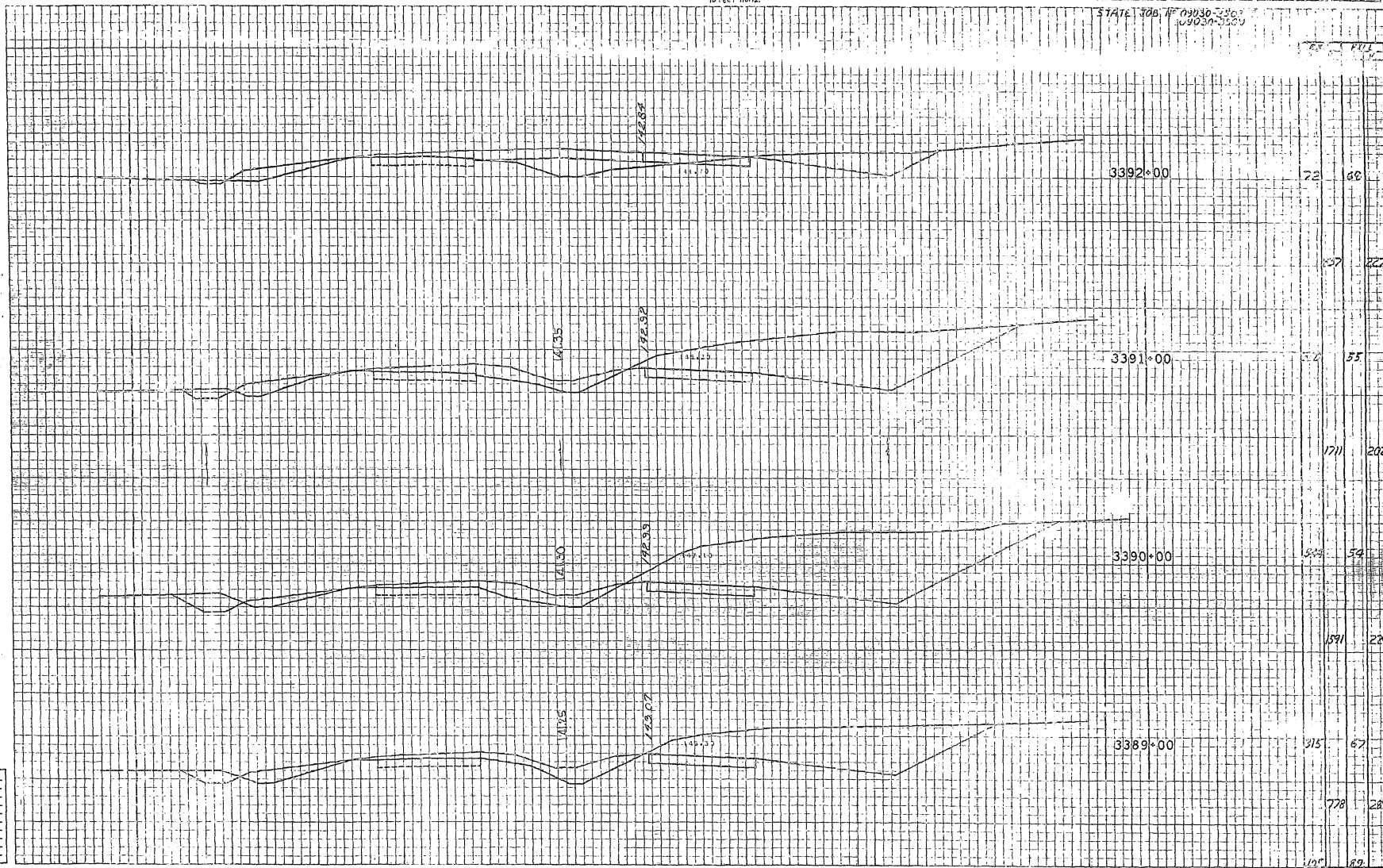


Designed by	_____
Checked by	_____
Engineer	_____
Surveyed by	_____
Asst. M.	_____
Plan. M.	_____
Dist. M.	_____
Asst. M.	_____
Checked by	_____

CROSS SECTIONS
 Scale 1 inch = 5 feet Vert.
 10 feet Horiz.

Proj. No.	Date	City	Dist.	Proj. No.	Sheet No.
10		MEMPHIS		10	10

STATE JOB NO. 09030-200
 09030-200



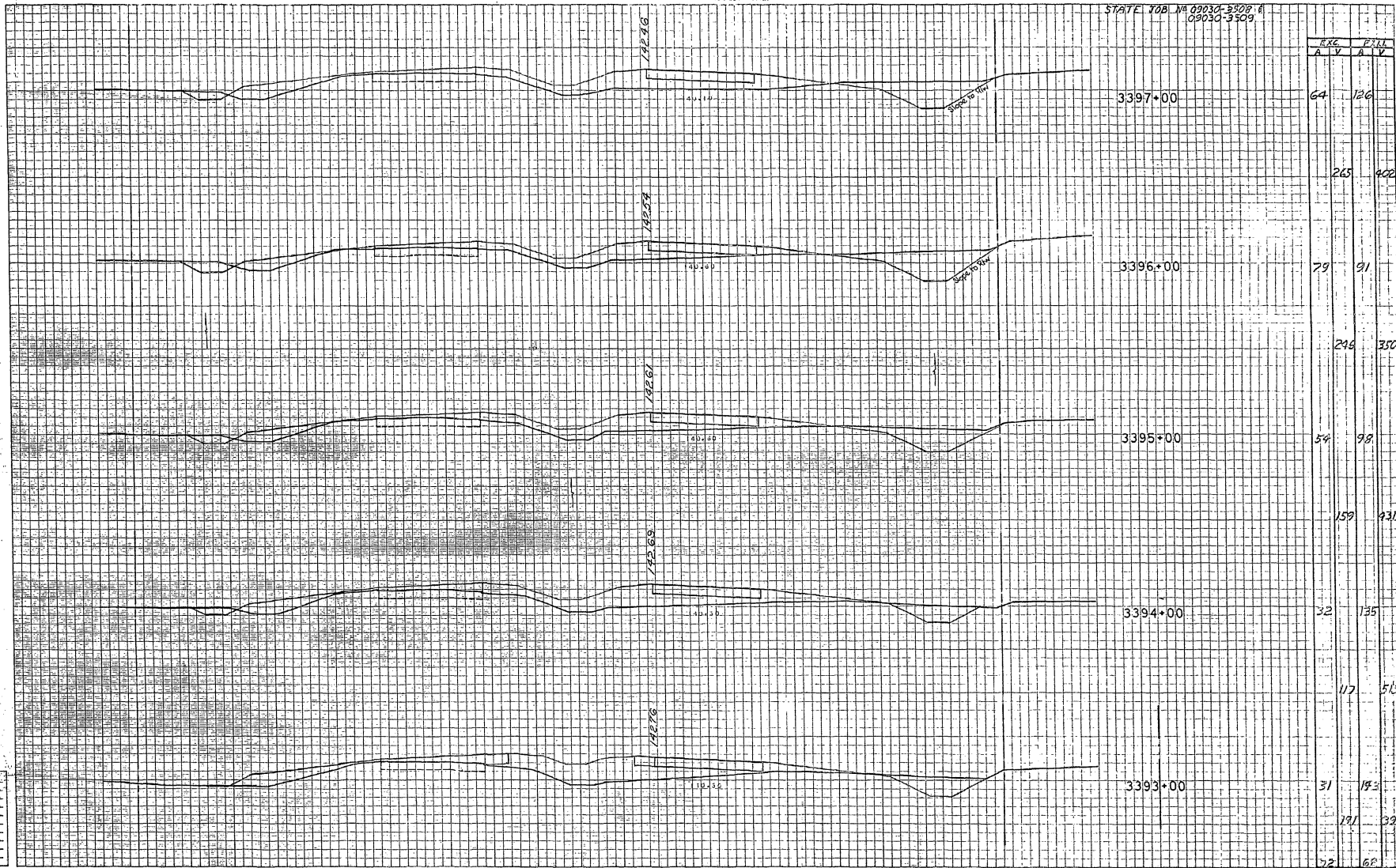
Drawn by	
Checked by	
Designed by	
Reviewed by	
Approved by	
Project No.	
Sheet No.	
Date	
Scale	
Project Name	
Project Location	
Project Description	
Project Status	
Project Budget	
Project Risk	
Project Impact	
Project Benefits	
Project Challenges	
Project Opportunities	
Project Risks	
Project Mitigation	
Project Monitoring	
Project Evaluation	
Project Reporting	
Project Communication	
Project Stakeholders	
Project Partners	
Project Sponsors	
Project Advisors	
Project Consultants	
Project Contractors	
Project Suppliers	
Project Vendors	
Project Customers	
Project Beneficiaries	
Project Stakeholders	
Project Partners	
Project Sponsors	
Project Advisors	
Project Consultants	
Project Contractors	
Project Suppliers	
Project Vendors	
Project Customers	
Project Beneficiaries	

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CROSS SECTIONS
 Scale 1 inch = 5 feet Vert.
 10 Feet Horiz.

Dist. No.	State	County	Route	Proj. No.	Sheet No.
2	Ill.	Highways	S.R. 25	ED-1115-1101	125

STATE JOB NO. 0903A-3508 &
 0903C-3509



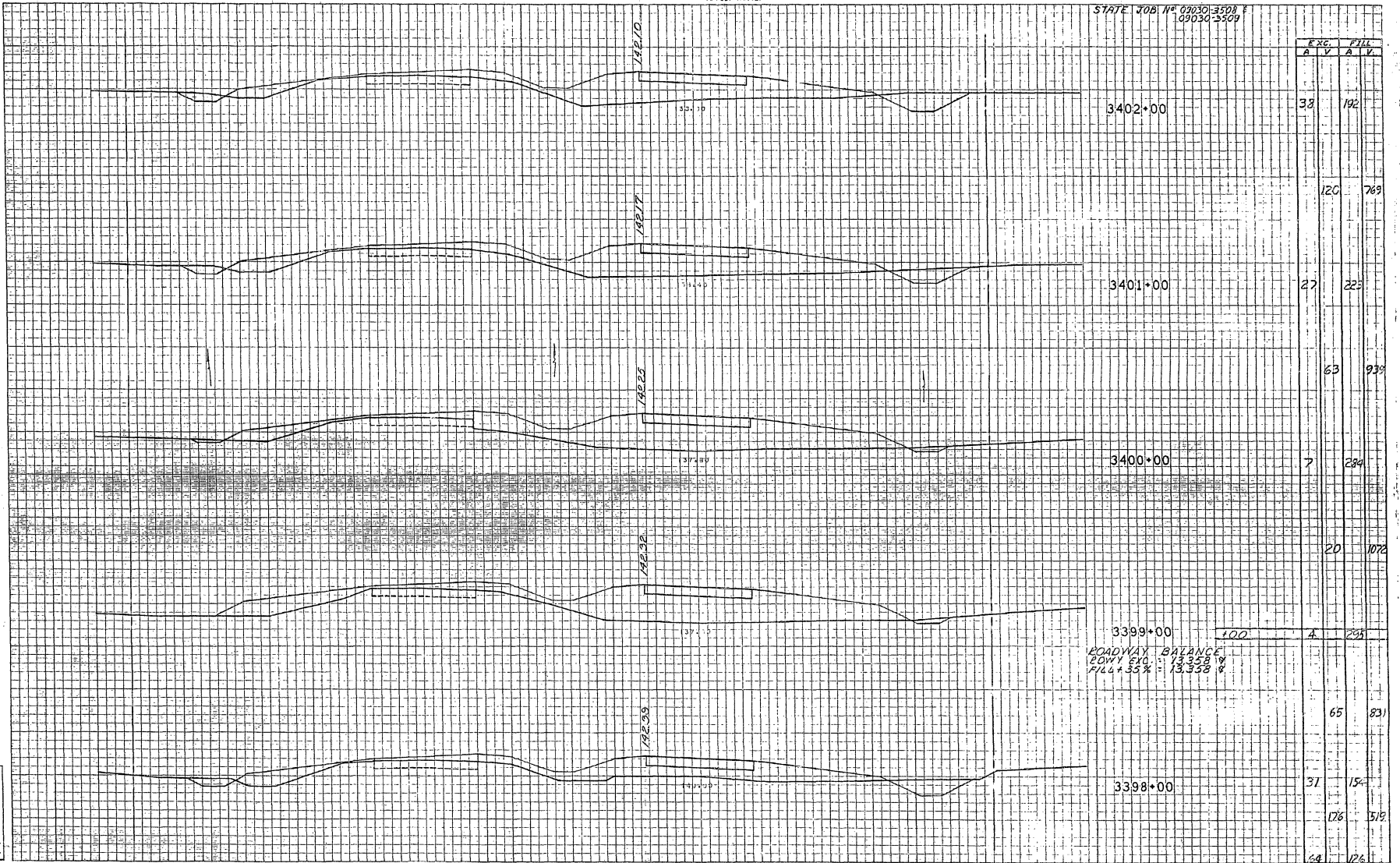
1. Proposed	2. Existing
3. Utility	4. Elevation
5. Stationing	6. Scale
7. Date	8. Drawn by
9. Checked by	10. Approved by

CROSS SECTIONS

Scale 1 inch = 5 feet Vert.
10 feet Horiz.

Proj. No.	State	County	Route	Proj. No.	Sheet No.
3	FLA.	HIGHLANDS	S.R. 25	EV-C19-216	128

STATE JOB No. 09030-3508 &
109030-3509



3399+00 100
ROADWAY BALANCE
LOWY E.G. = 13,358 ft
FILL @ 55% = 13,358 ft

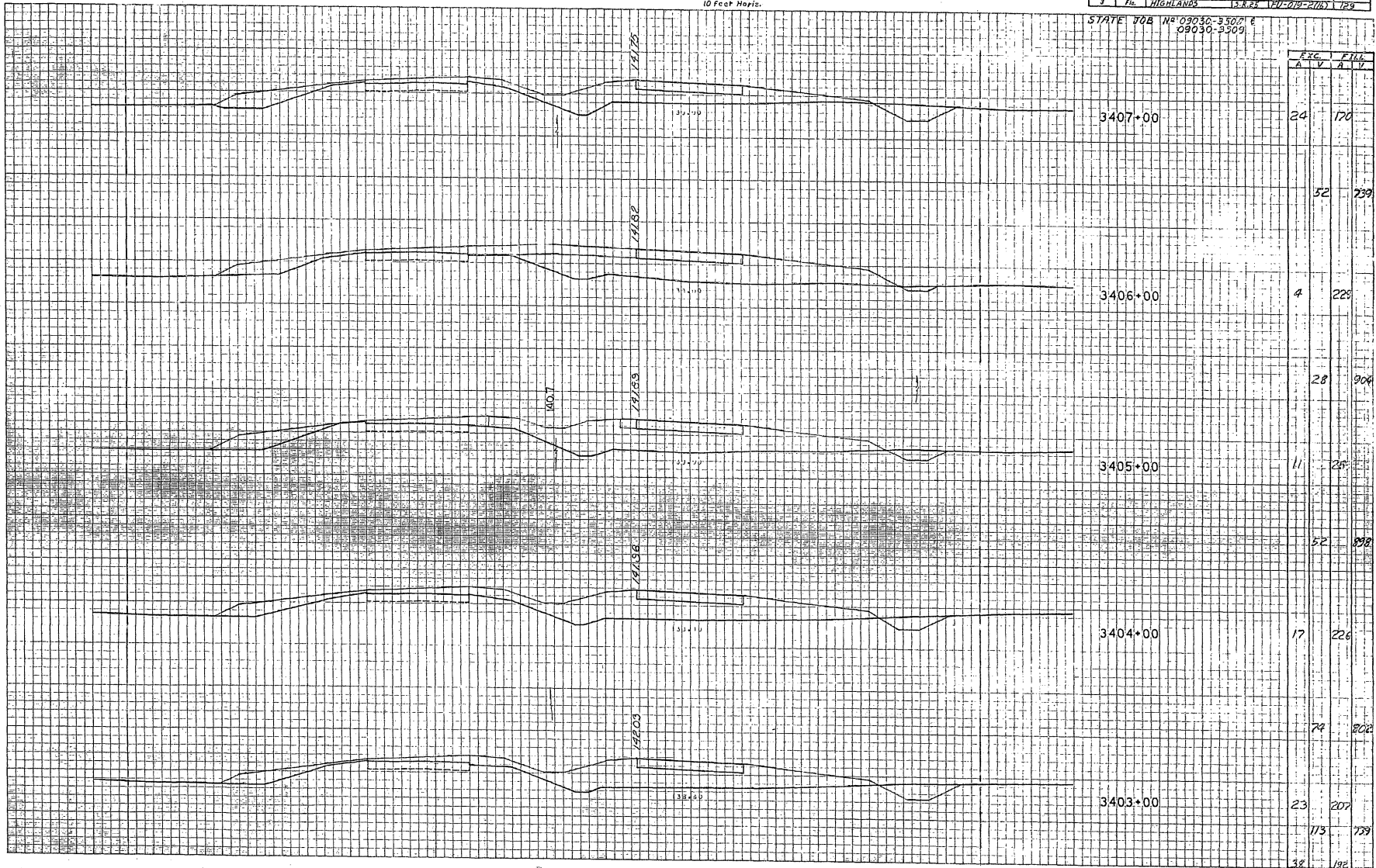
EXC.		FILL	
A	V	A	V
		120	769
		63	938
		20	1072
		65	831
		178	518
		64	126

CROSS SECTIONS

Scale 1 inch = 5 feet Vert
10 Feet Horiz.

Proj. No.	State	County	Route	Proj. No.	Sheet No.
7	FLORIDA	HIGHLANDS	S.R. 25	HU-629-216	129

STATE JOB NO. 09030-3507 E
09030-3509



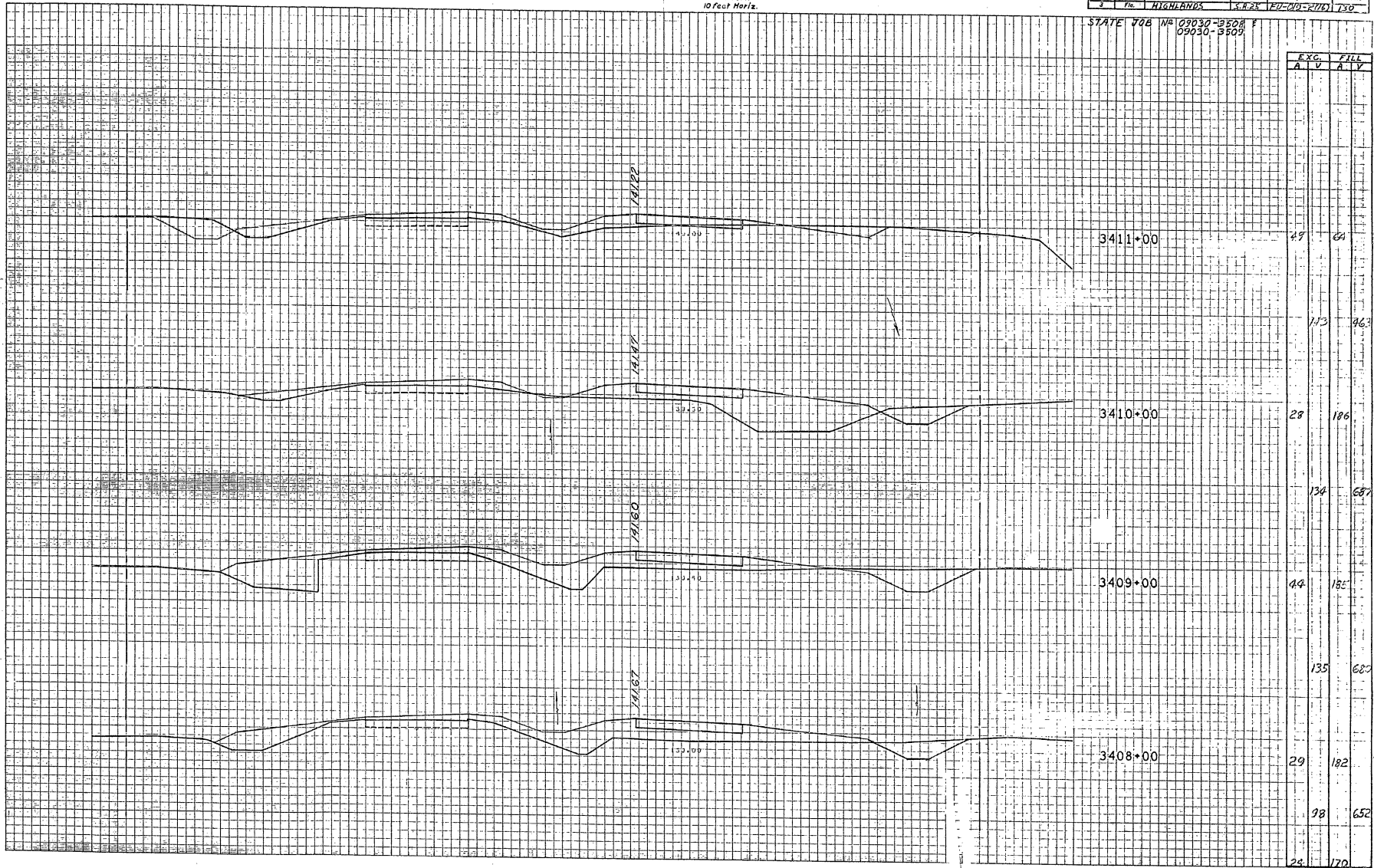
Checked by _____
Original Prepared by _____
Checked by _____
Reviewed by _____
Drawn by _____
Checked by _____
Drawn by _____
Checked by _____
Drawn by _____
Checked by _____

CROSS SECTIONS

Scale 1 inch = 5 feet Vert.
10 feet Horiz.

Proj. No.	State	County	Route	Proj. No.	Sheet No.
	Ms.	HIGHLANDS	S.R. 28	122-00-2001	159

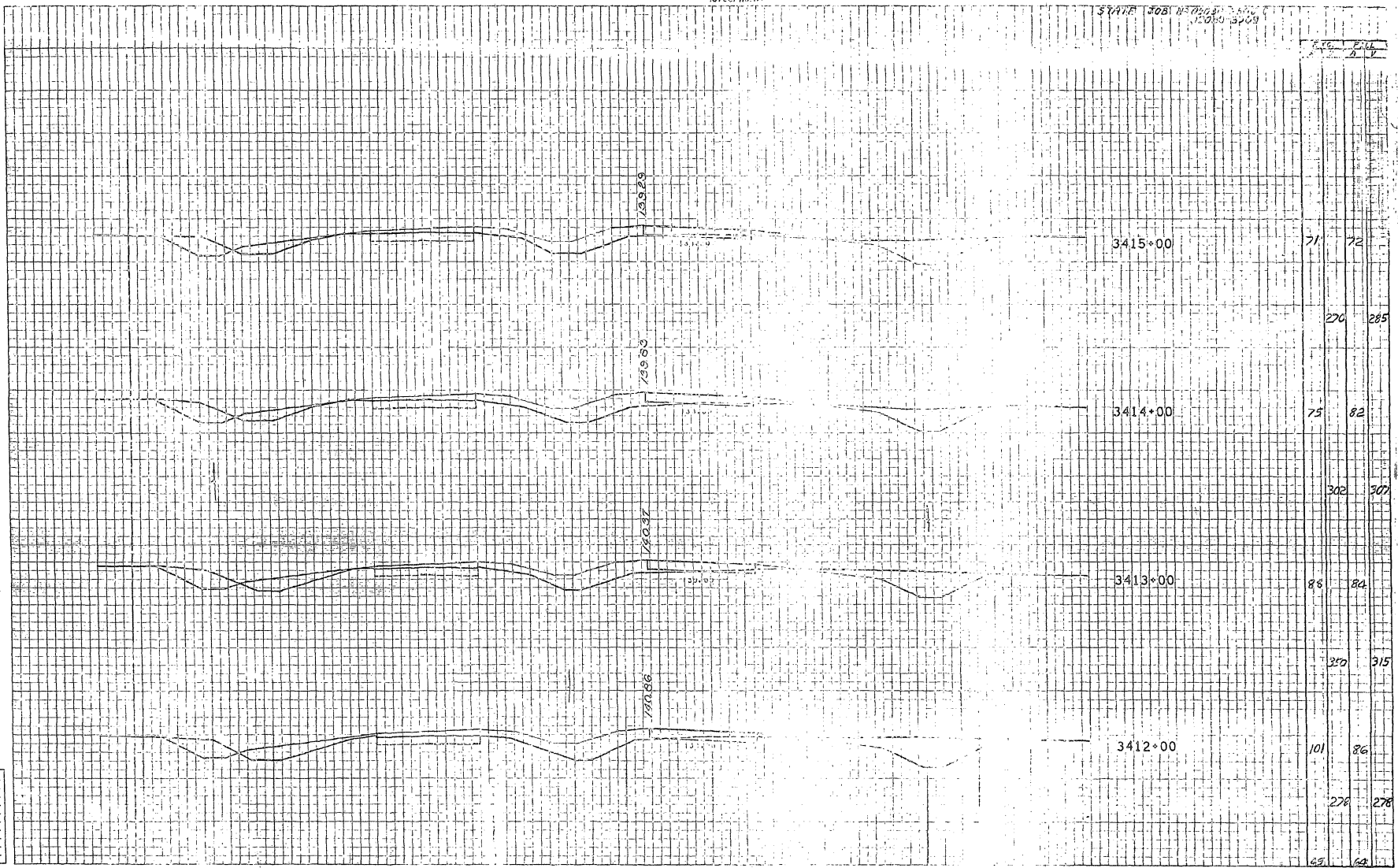
STATE 706 No. 09030-3508 &
09030-3509



Checked by _____
 Drawn by _____
 Title _____
 Date _____
 Project No. _____
 Station _____
 Section _____
 Scale _____
 Author _____
 P. McDONNELL
 ENGINEER, P.E., S.P.

CROSS SECTION
Scale 1 inch = 5 feet Vert
10 feet Horiz

Job No. 37177
 Date 1/21/1918
 City
 State
 Job No. 37177
 Date 1/21/1918
 City
 State



Sta.	Elev.
71	72
270	285
75	82
302	307
88	84
320	315
101	86
278	278
68	64

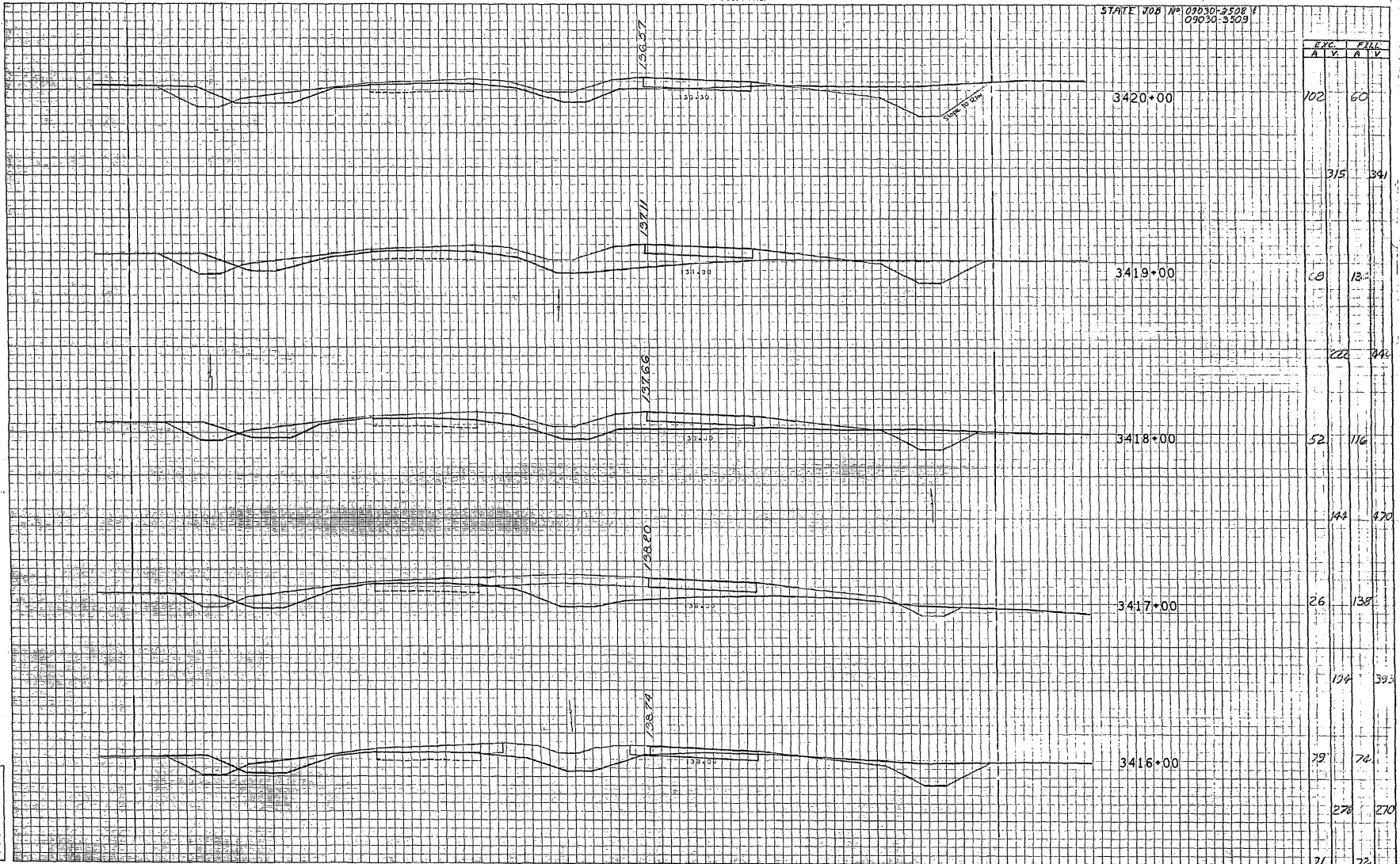
Checked by _____
 Drawn by _____
 Plotted by _____
 Date _____

CROSS SECTIONS

Scale 1 inch = 5 feet Vert.
10 Feet Horiz.

Proj. No.	State	County	Route	Proj. No.	Sheet No.
09030-3508	FLA.	HIGHLANDS	SR 25	171-019-2(2)	132

STATE JOB NO. 09030-3508
09030-3509



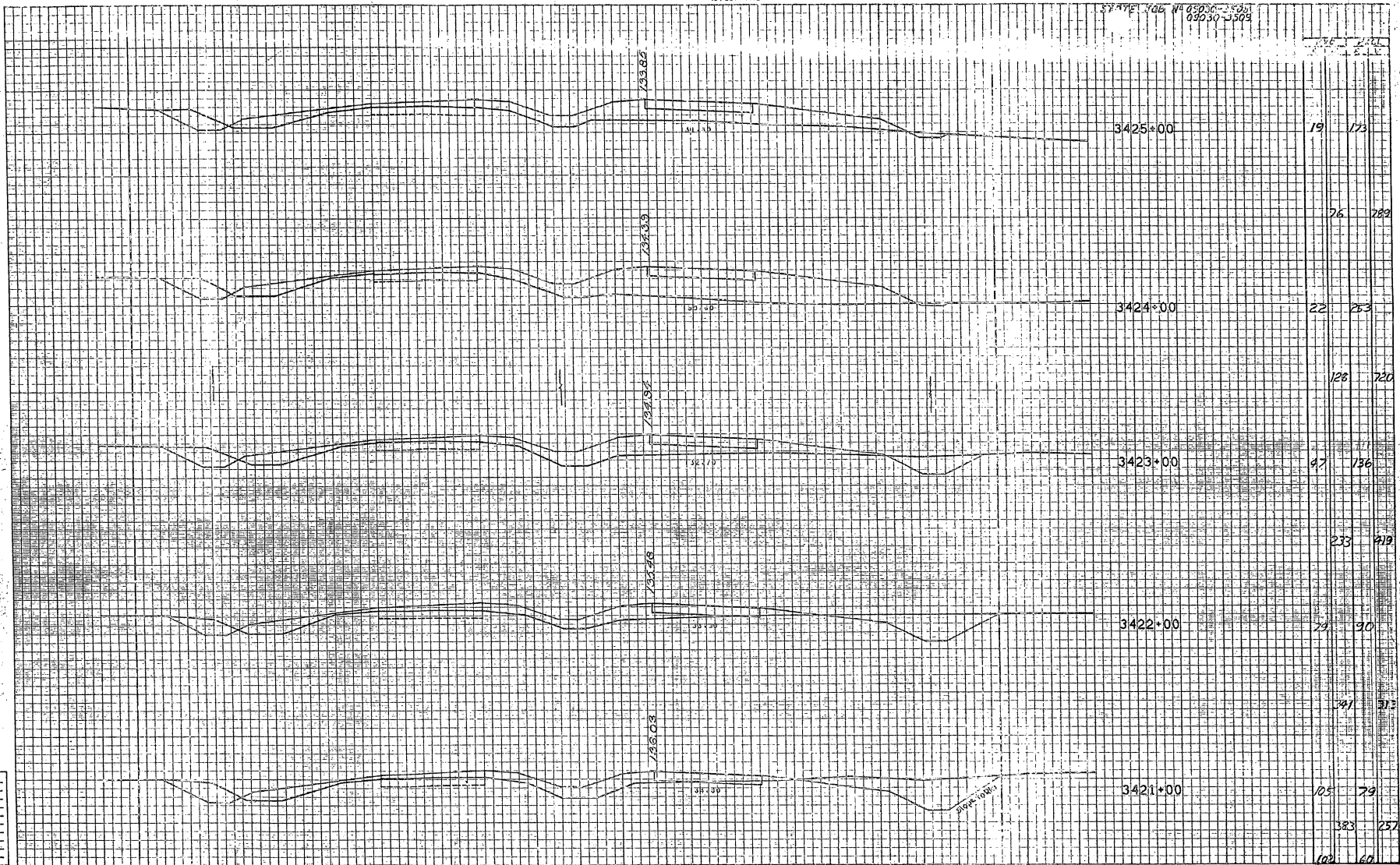
Application No. _____
 Date _____
 Prepared by _____
 Checked by _____
 Approved by _____
 Title _____
 Scale _____
 Date _____

CROSS SECTIONS

Scale 1 inch = 5 feet Vert.
10 Feet Horiz.

Proj. No.	State	County	Route	Proj. No.	Sheet No.
100	Ill.	HIGHLANDS	100	100	100

STATIONING: 3421+00 TO 3425+00
03030-2-3001
03030-3-3002



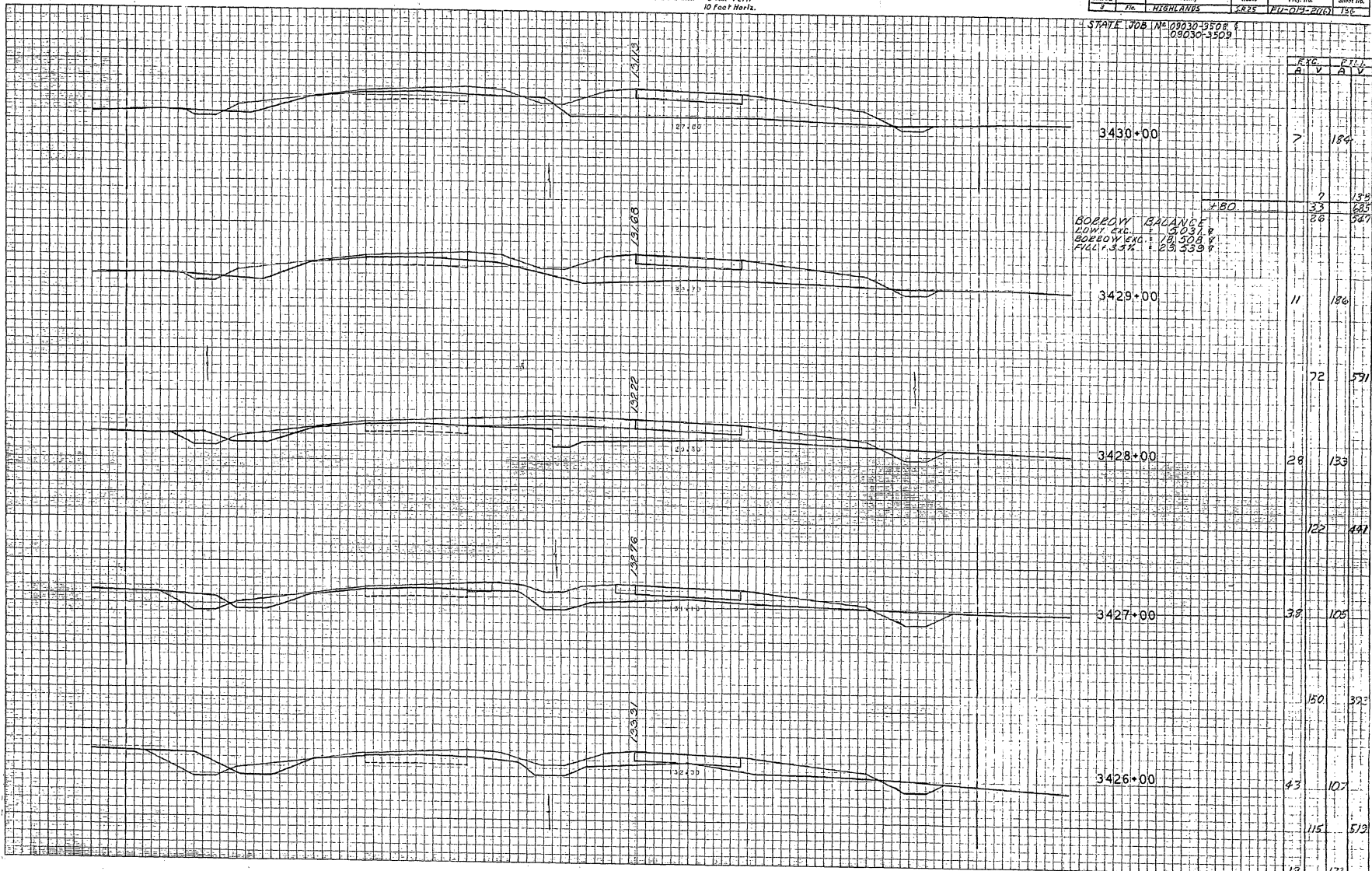
Checked by	
Drawn by	
Designed by	
Reviewed by	
Approved by	
Scale	
Date	
Sheet No.	
Project No.	
Stationing	

CROSS SECTIONS

Scale 1 inch = 5 feet Vert.
10 Feet Horiz.

Proj. No.	State	County	Route	Proj. No.	Sheet No.
111	MI	HIGHLANDS	SR25	111-019-270	126

STATE JOB NO. 10030-19508 &
00030-3909



BOBROW BALANCE
LOWEY INC. 3,031.8
BOBROW EQ. 18,508.8
FULL 3.34 23,540.6

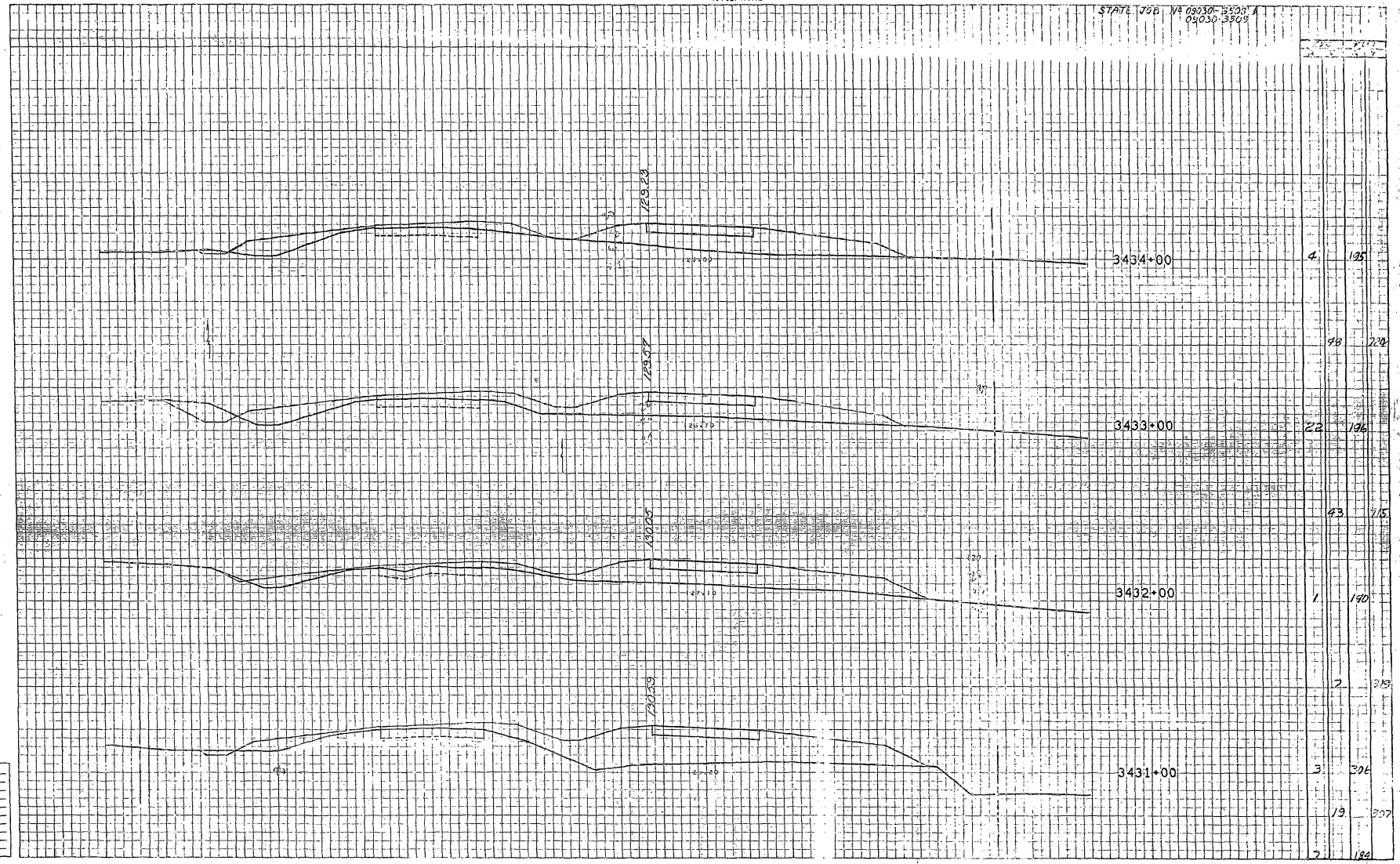
+80

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

CROSS SECTIONS
 Scale 1 inch = 5 feet Vert.
 10 feet Horiz.

Proj. No.	City	Dist.	Sheet	Total
2	WICHITANS	SP. 26	152	152

STATE JOB NO. 69030-2500 A
 64030-3008

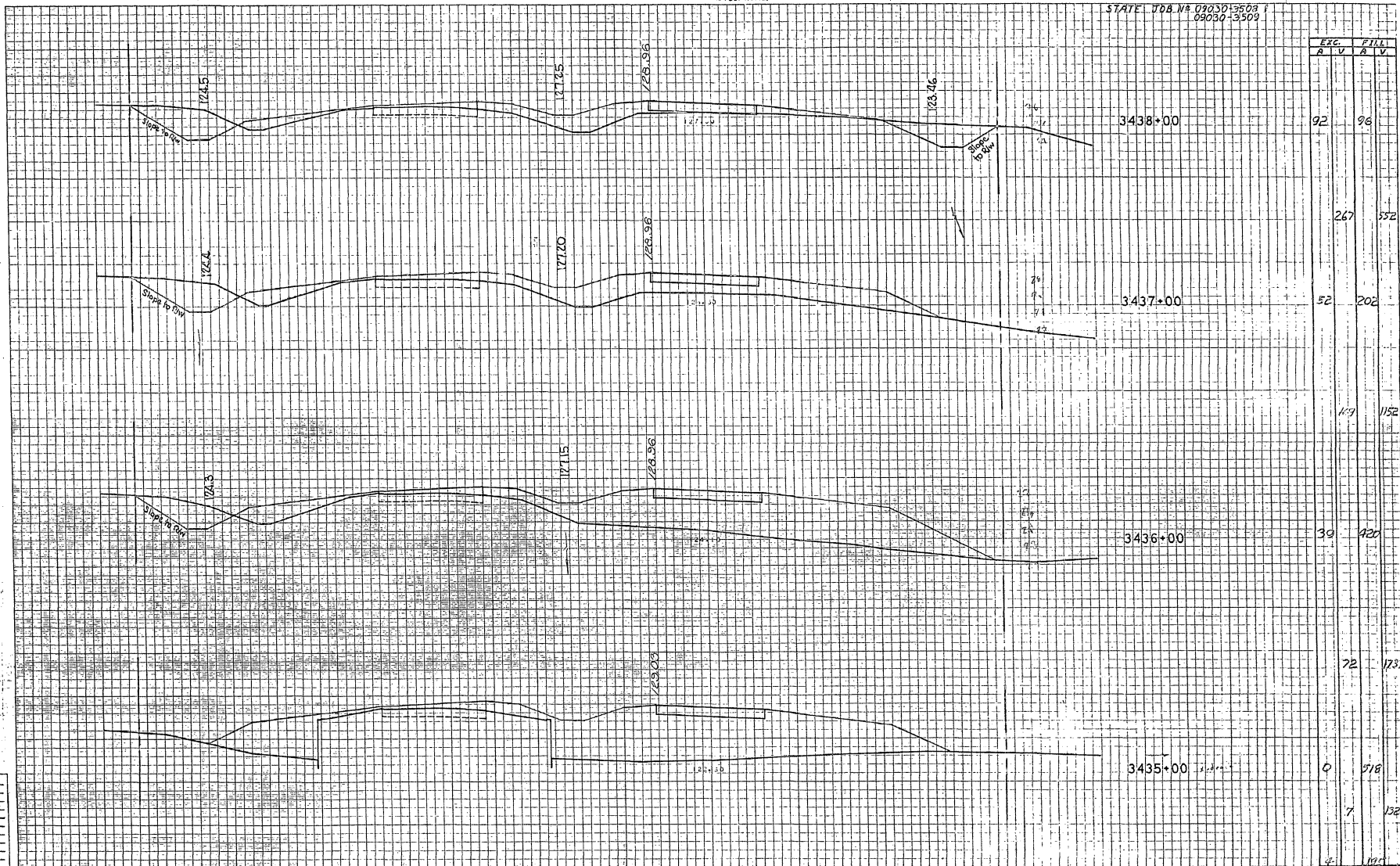


Prepared by	Checked by
Designed by	Reviewed by
Drawn by	Approved by
Field notes	
Reference	
Scale	
Sheet	
Project	
Date	

CROSS SECTIONS
Scale 1 inch = 5 feet Vert.
10 Feet Horiz.

Proj. No.	State	County	Route	Proj. No.	Sheet No.
2	Ill.	HIGHLANDS	SR. 25	10-019-2116	136

STATE JOB NO. 09050-3508
09050-3509

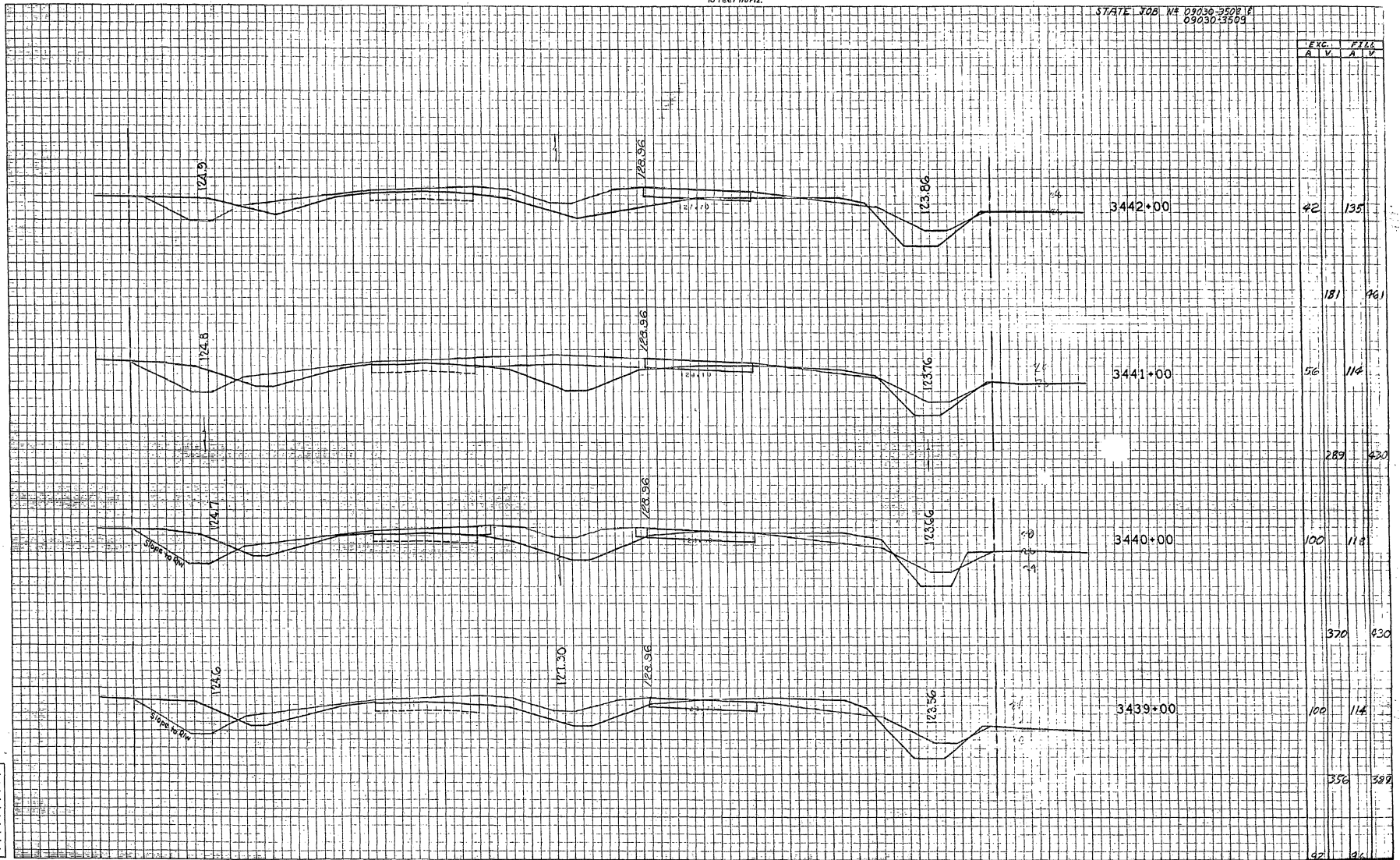


1. _____
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 98. _____
 99. _____
 100. _____

CROSS SECTIONS
 Scale 1 inch = 5 feet Vert.
 10 Feet Horiz.

Proj. No.	State	County	Route	Proj. No.	Sheet No.
9	FLA	HIGHLANDS	S.R. 23	EU-2116	197

STATE JOB NO. 09036-3508 1A
 09030-3509



Exc.	Fill
A. V.	A. V.
42	135
181	96
56	116
289	430
100	118
370	430
100	118
356	388
92	96

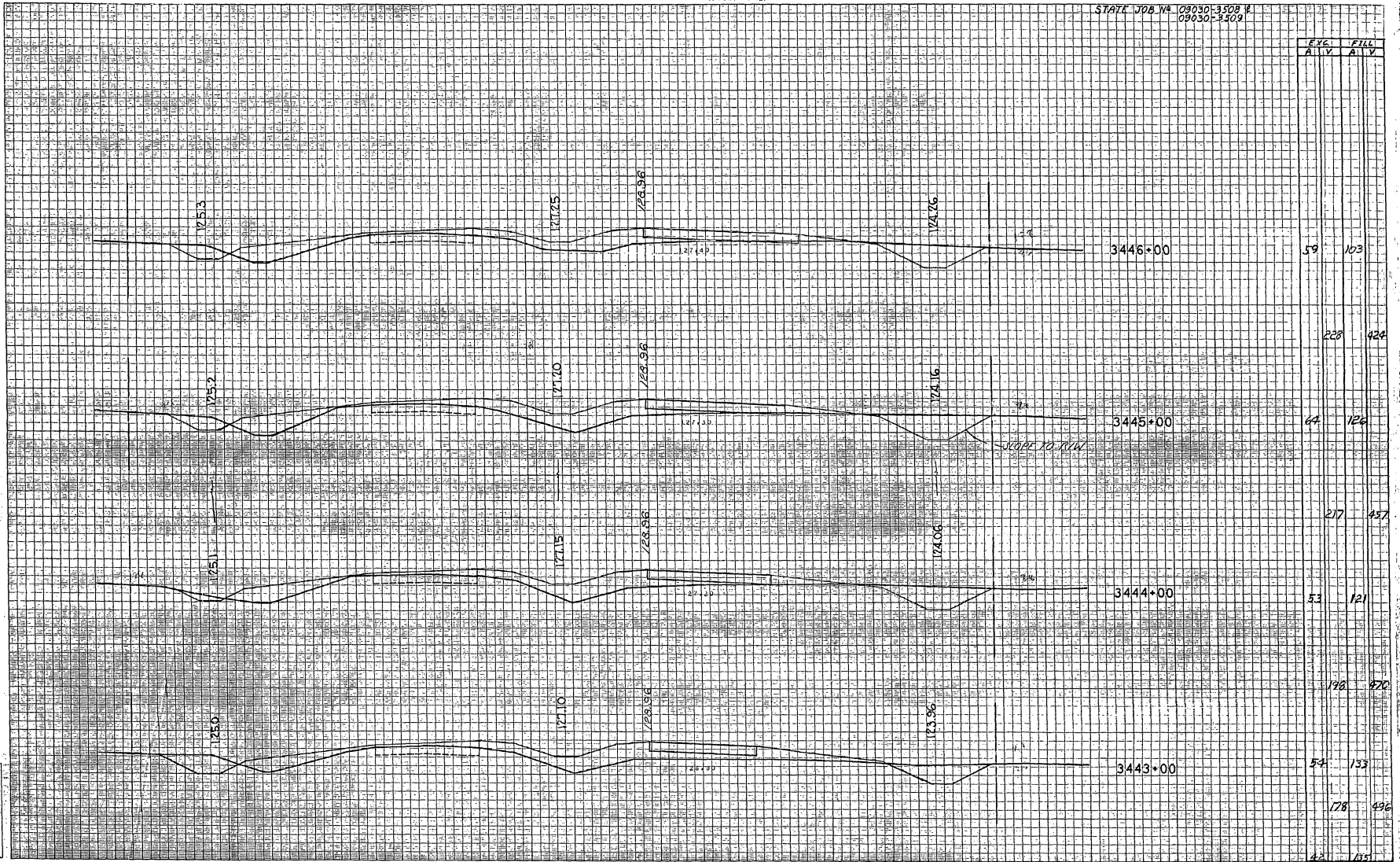
- _____
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CROSS SECTIONS

Scale 1 inch = 5 feet Vert.
10 feet Horiz.

Proj. No.	State	County	Route	Proj. No.	Sheet No.
8	FLA.	HIGHLANDS	SR25	PC-019-2163	13R

STATE JOB NO. 09030-3508 &
09030-3509



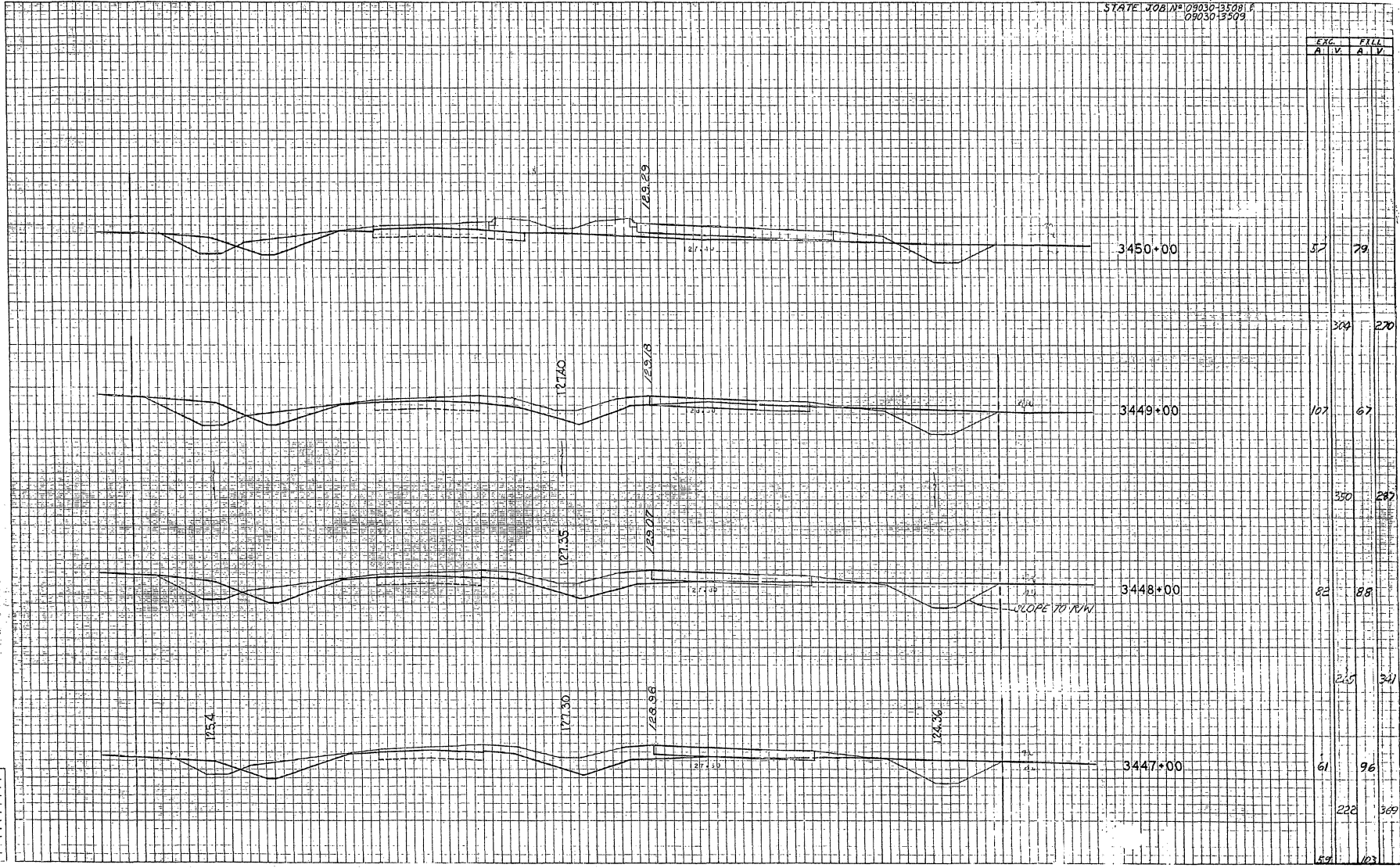
1	Proposed	Ground
2	Proposed	Ground
3	Proposed	Ground
4	Proposed	Ground
5	Proposed	Ground
6	Proposed	Ground
7	Proposed	Ground
8	Proposed	Ground
9	Proposed	Ground
10	Proposed	Ground
11	Proposed	Ground
12	Proposed	Ground
13	Proposed	Ground
14	Proposed	Ground
15	Proposed	Ground
16	Proposed	Ground
17	Proposed	Ground
18	Proposed	Ground
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41	Proposed	Ground
42	Proposed	Ground
43	Proposed	Ground
44	Proposed	Ground
45	Proposed	Ground
46	Proposed	Ground
47	Proposed	Ground
48	Proposed	Ground
49	Proposed	Ground
50	Proposed	Ground

CROSS SECTIONS

Scale 1 inch = 5 feet Vert.
10 Feet Horiz.

Proj. No.	State	County	Route	Proj. No.	Sheet No.
2	Fla.	HIGHLANDS	S.R. 25	HD-02-2(10)	139

STATE JOB NO. 09030-3508 P
09030-3509



Exc. A (ft)	Fill A (ft)
57	79
309	270
107	67
350	287
82	88
215	31
61	96
222	369
52	103

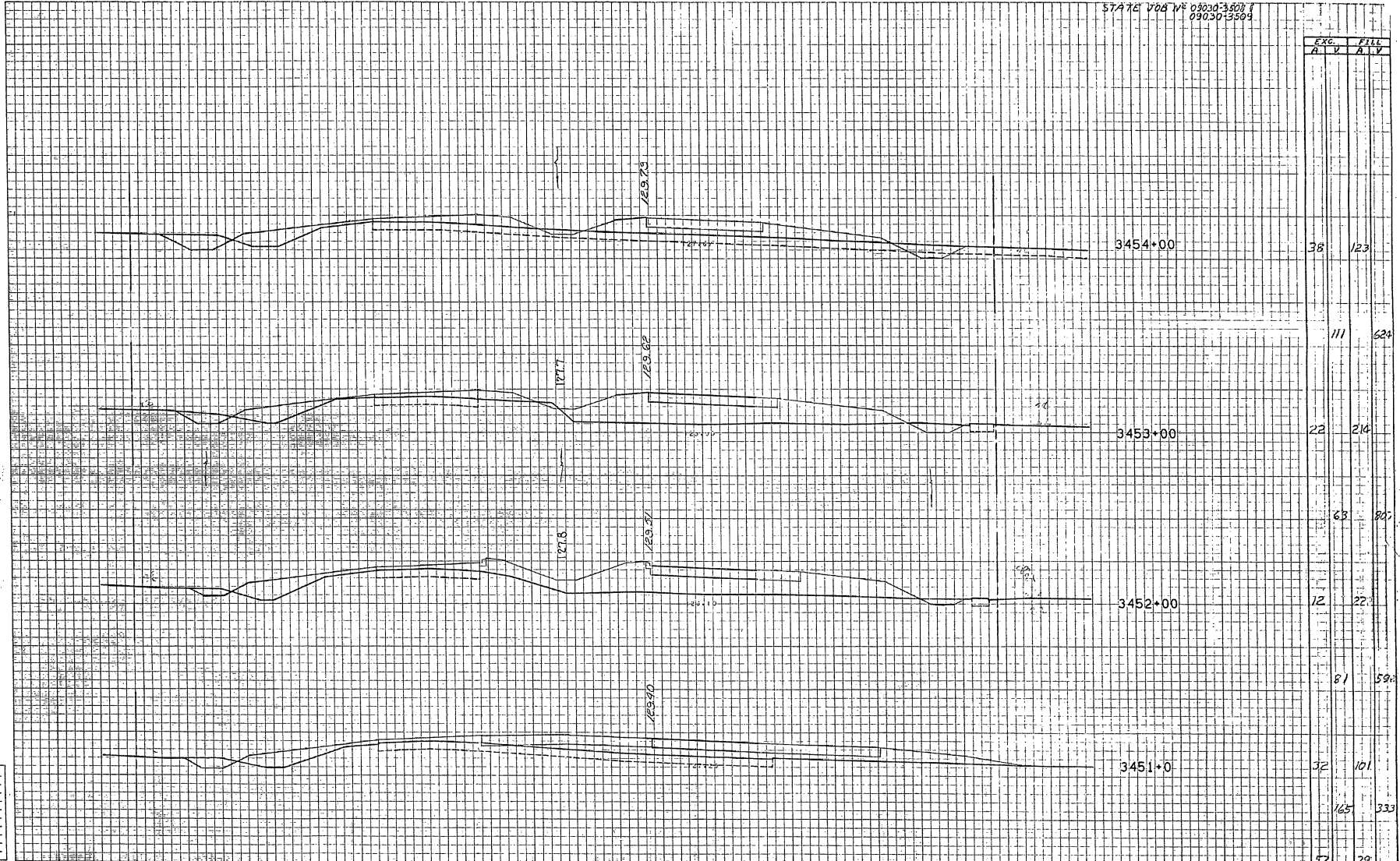
1. 1/4" = 5' Vert.	10' Horiz.
2. 1/4" = 10' Vert.	20' Horiz.
3. 1/4" = 15' Vert.	30' Horiz.
4. 1/4" = 20' Vert.	40' Horiz.
5. 1/4" = 25' Vert.	50' Horiz.
6. 1/4" = 30' Vert.	60' Horiz.
7. 1/4" = 35' Vert.	70' Horiz.
8. 1/4" = 40' Vert.	80' Horiz.
9. 1/4" = 45' Vert.	90' Horiz.
10. 1/4" = 50' Vert.	100' Horiz.

CROSS SECTIONS

Scale 1 inch = 5 feet Vert.
10 feet Horiz.

Proj. No.	State	County	Route	Proj. No.	Sheet No.
8	Ill.	HIGHLAND	S.R. 24	FD-073-2(10)	720

STA 71+00 to 72+00
09030-3501
09030-3509



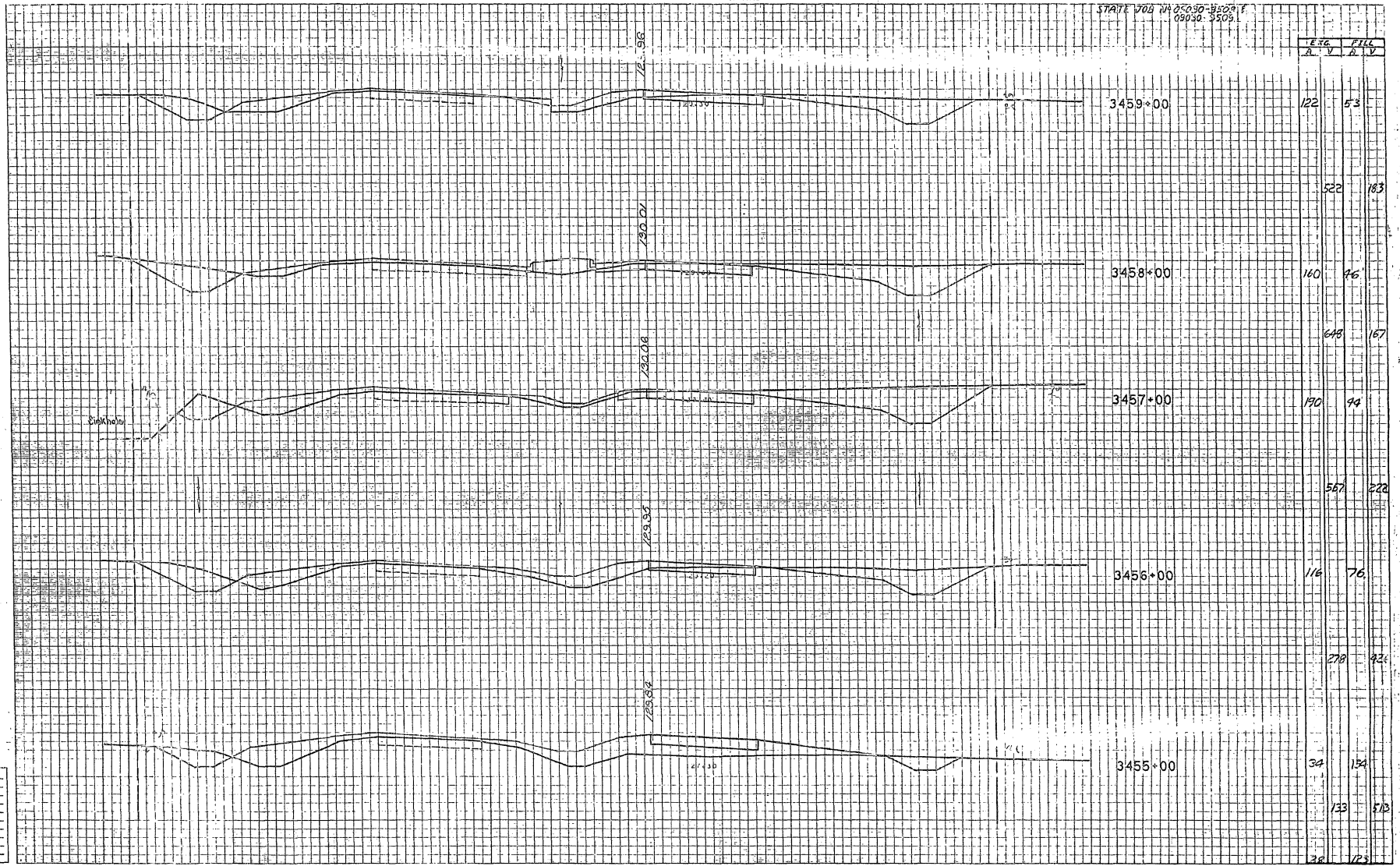
Approved By _____
 Name _____
 Date _____
 Checked By _____
 Title _____
 Date _____
 Prepared By _____
 Title _____
 Date _____
 Checked By _____
 Title _____
 Date _____

CROSS SECTIONS

Scale 1 inch = 5 feet Vert.
10 feet Horiz.

Proj. No.	Date	County	Route	Proj. No.	Sheet No.
10030		MIRIAMAS	SR 25	102-101-200	121

STATION 708 IN 05030-10201
09030-35031

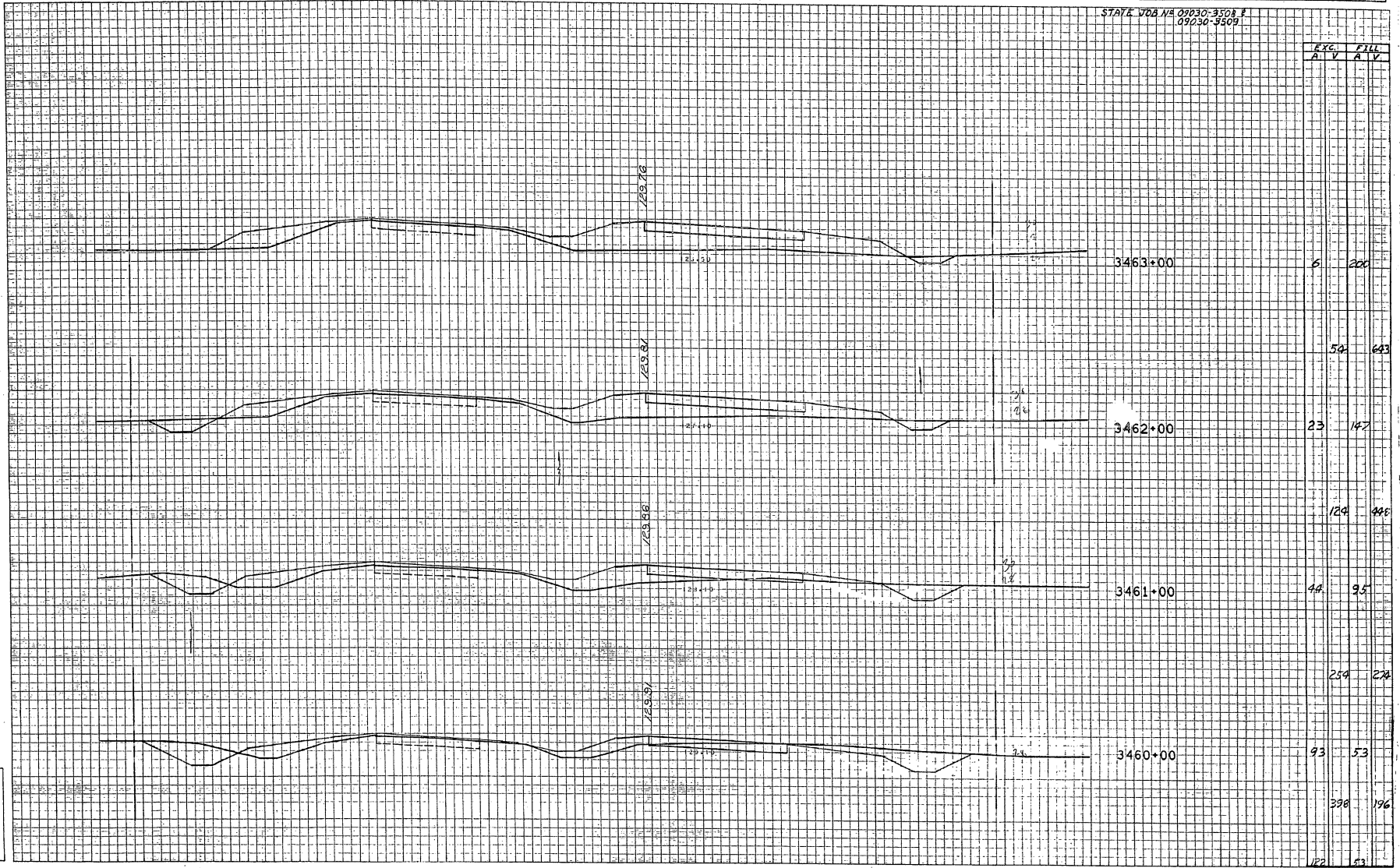


1. Prop. Elev.	
2. Ground Elev.	
3. 10' Spacing	
4. 5' Spacing	
5. 2.5' Spacing	
6. 1.25' Spacing	
7. 0.625' Spacing	
8. 0.3125' Spacing	
9. 0.15625' Spacing	
10. 0.078125' Spacing	
11. 0.0390625' Spacing	
12. 0.01953125' Spacing	
13. 0.009765625' Spacing	
14. 0.0048828125' Spacing	
15. 0.00244140625' Spacing	
16. 0.001220703125' Spacing	
17. 0.0006103515625' Spacing	
18. 0.00030517578125' Spacing	
19. 0.000152587890625' Spacing	
20. 0.0000762939453125' Spacing	

CROSS SECTIONS
 Scale 1 inch = 5 feet Vert.
 10 Feet Horiz.

Proj. No.	State	County	Route	Proj. No.	Sheet No.
116	FLA.	HIGHLANDS	S.R. 23	FD-012-21(B)	182

STATE JOB NO. 09030-3508 &
 09030-5509



Prepared by	
Checked by	
Drawn by	
Date	
Scale	

CROSS SECTIONS
Scale 1 inch = 5 feet Vert.
10 Feet Horiz.

Dist. East	State	County	Route	Proj. No.	Sheet No.
3	Fla.	HIGHLANDS	5623	FD-019-210	143

STATE JOB NO. 09030-5508 E.
09030-3509



Sta.	Exc.		Fill	
	A	V	A	V
3467+00	15		222	
3466+00	56		231	
3465+00	67		269	
3464+00	59		272	
	26		244	
			201	

Prepared by	
Checked by	
Reviewed by	
Approved by	
Drawn by	
Field Notes by	
Checked by	
Approved by	

CROSS SECTIONS

Scale 1 inch = 5 feet Vert.,
10 feet Horiz.

City	State	County	Dist.	Proj. No.	Sheet No.
	IL	DEKALB		100030-3508	125

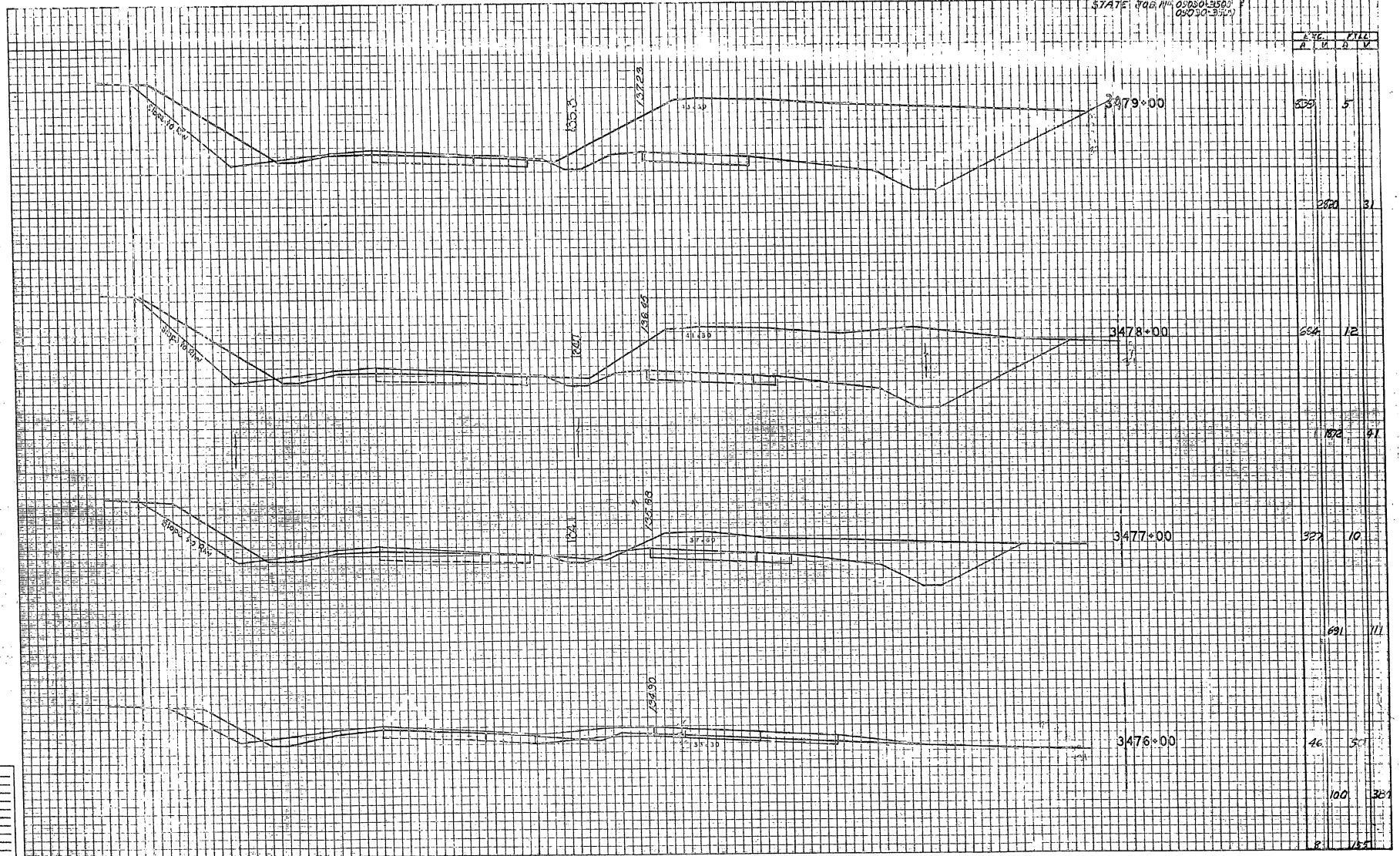
STATE JOB NO. 100030-3508
100030-3509



Drawn by	
Checked by	
Reviewed by	
Approved by	
Project No.	
Sheet No.	
Date	

CROSS SECTIONS
 Scale 1 inch = 5 feet Vert.
 10 Feet Horiz.

Proj. No.	State	County	Route	Proj. No.	Sheet No.
5747	PA	ALLEGANY	10	10	10



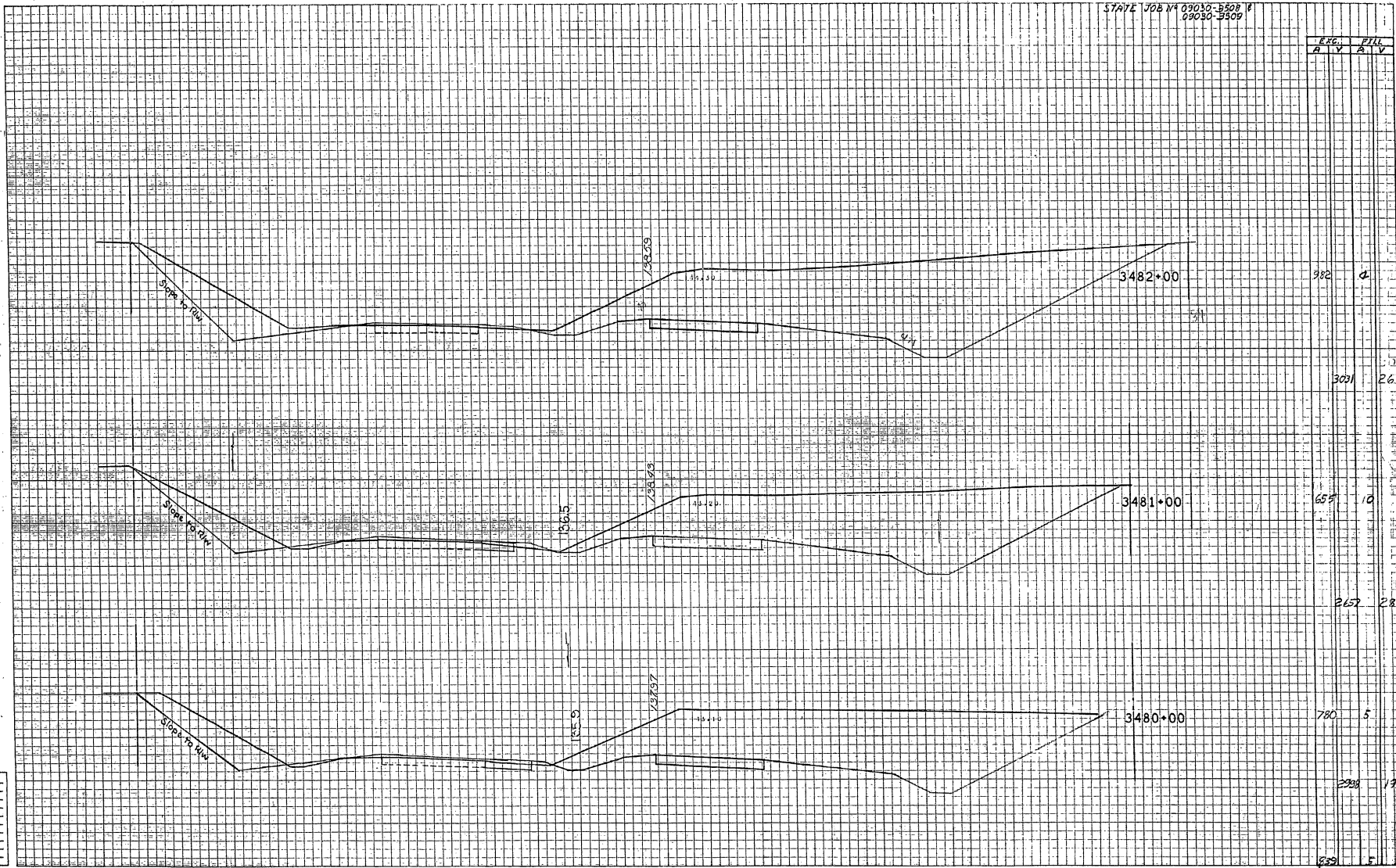
Drawn by _____
 Checked by _____
 Estimated by _____
 Scale by _____
 Plotted by _____
 Checked by _____
 Date _____
 Checked by _____

CROSS SECTIONS

Scale 1 inch = 5 feet Vert.
10 feet Horiz.

Proj. No.	State	County	Route	Proj. No.	Sheet No.
2	Fla.	HIGHLANDS	S.R. 22	EC-019-2(10)	107

STATE JOB NO. 09010-5808
09030-3809



ERC.	PILL
A	A
V	V

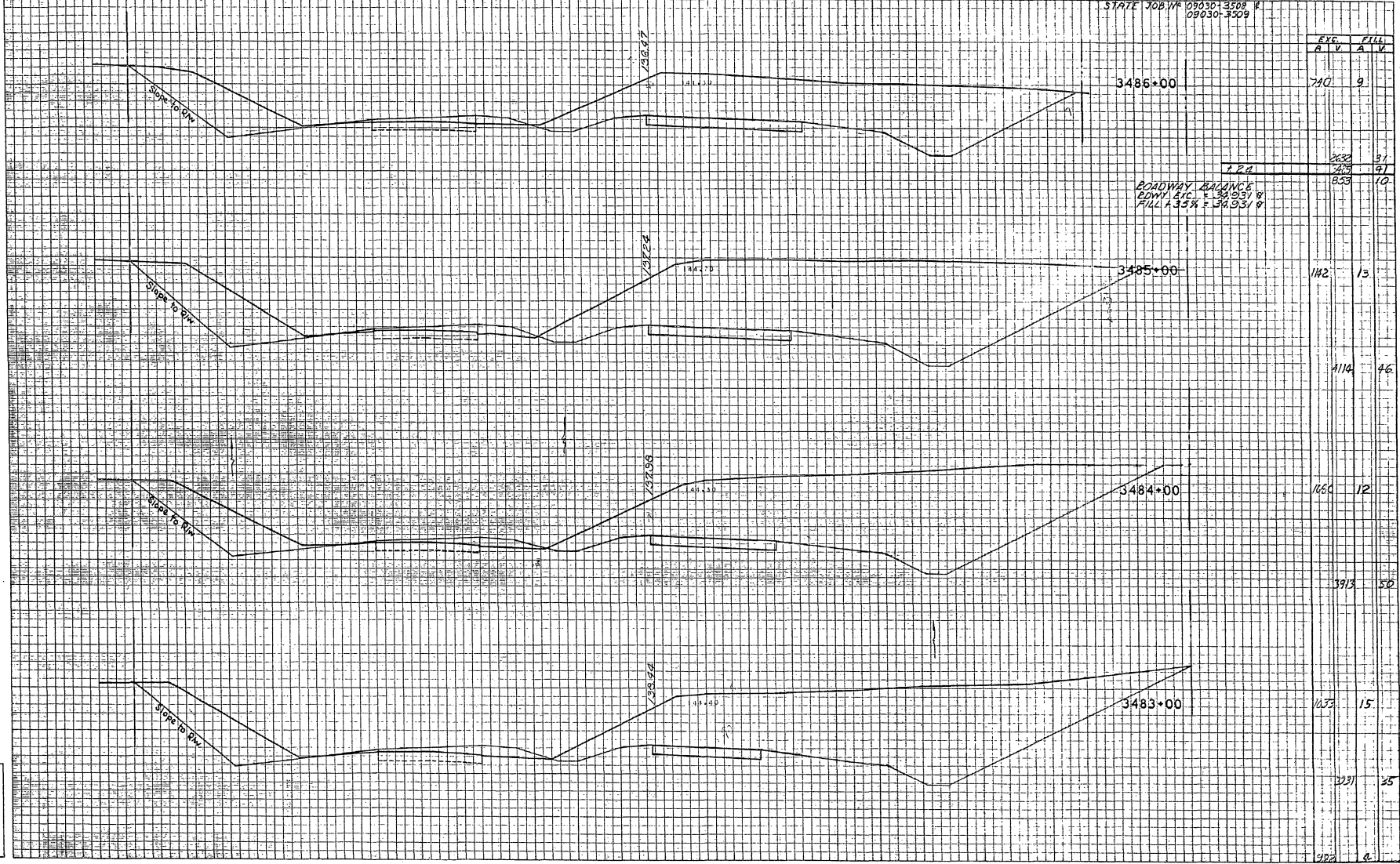
982	4
3021	26
655	10
2657	28
780	5
2908	19
639	5

Prepared by	
Checked by	
Designed by	
Drawn by	
Reviewed by	
Field notes	

CROSS SECTIONS
 Scale 1 inch = 5 feet Vert.
 10 feet Horiz.

Dist. No.	State	County	Route	Proj. No.	Sheet No.
7	Ill.	WISCONSIN	S.R. 25	101-019-2100	148

STATE JOB NO. 109030-3508
 09050-3509



ROADWAY BALANCE
 COMPT. ETC. = 34,931.8
 FILL @ 35% = 34,931.9

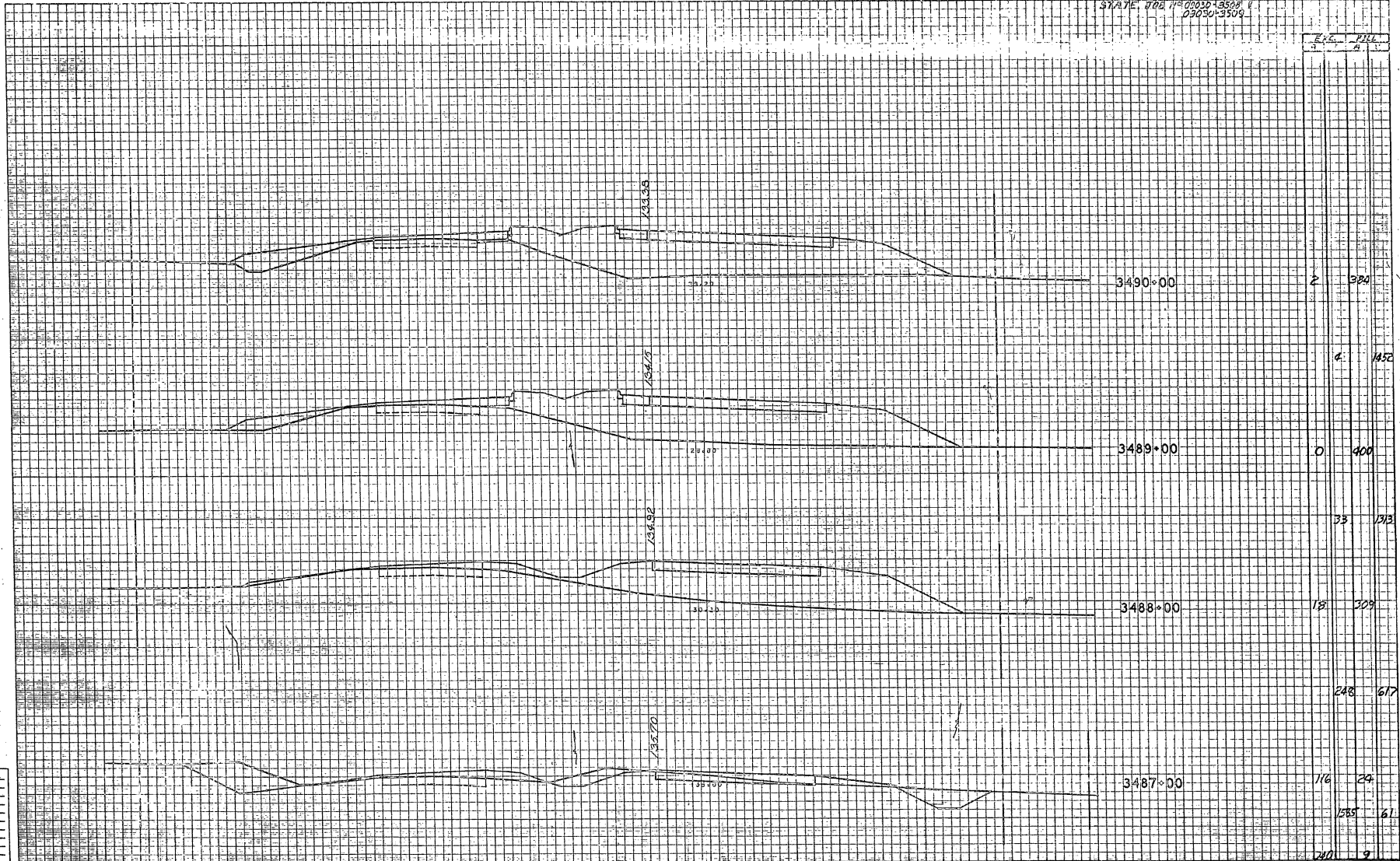
EXC.		FILL	
A	V	A	V
710	9		
		230	31
		205	21
		833	10
		1142	13
		1114	46
		1160	12
		3913	50
		1133	15
		2231	35
		2222	4

Blank	_____
Proposed	_____
Existing	_____
Sub. Etc.	_____
Other	_____
Notes	_____
Scale	_____
Drawn by	_____
Checked by	_____
Approved by	_____
Date	_____

CROSS SECTIONS
 Scale 1 inch = 5 feet Vert.
 10 Feet Horiz.

Proj. No.	Sheet	County	Route	Proj. No.	Sheet No.
3	11	HIGHLANDS	275	100-012-275	139

STATION 3487+00 TO 3490+00
 3487+00



Station	Elev.	Fill
3490+00	2	584
3489+00	0	400
3488+00	158	309
3487+00	116	24

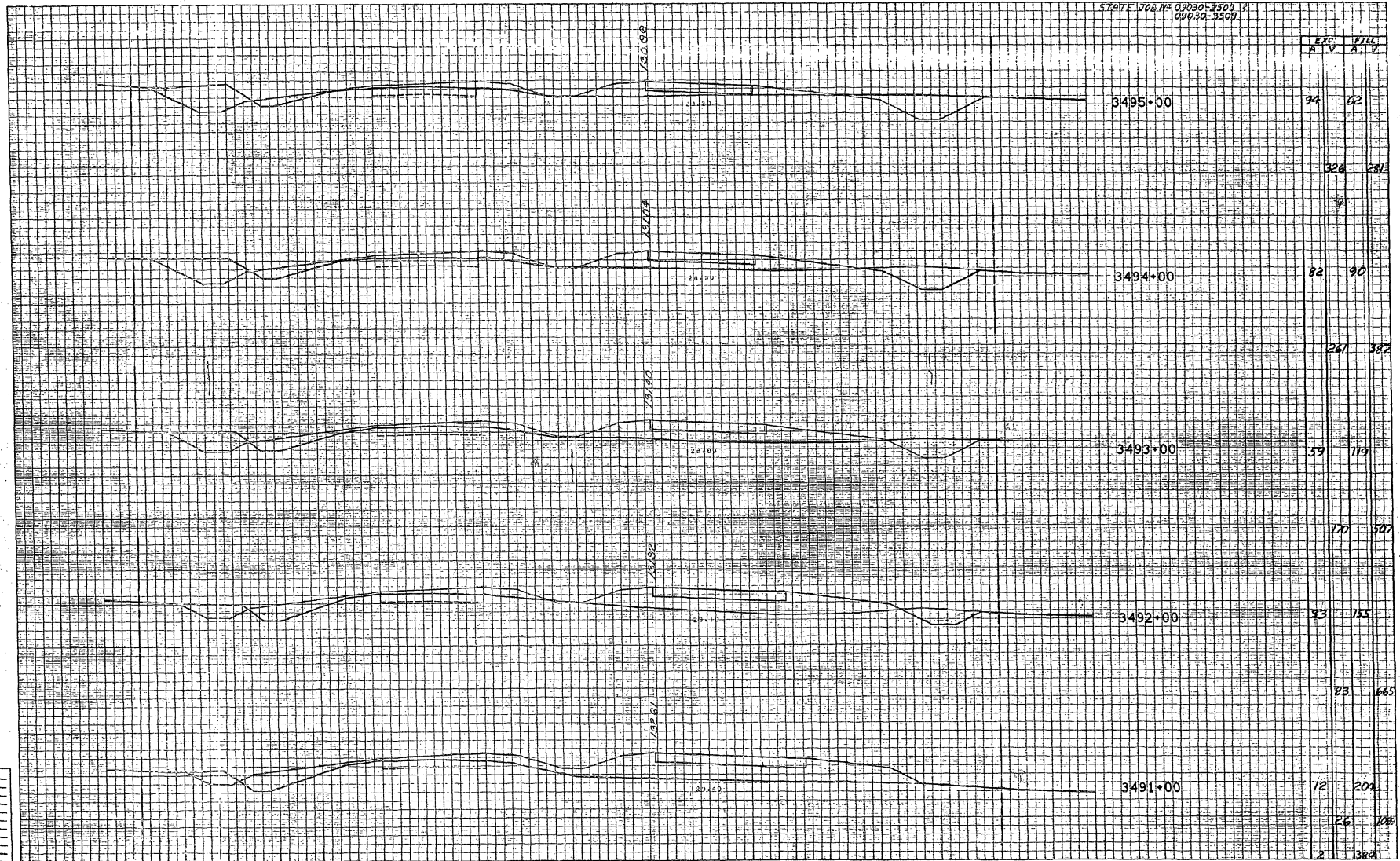
Prepared by _____
 Checked by _____
 Drawn by _____
 Title _____
 Date _____
 Scale _____
 Project _____

CROSS SECTIONS

Scale 1 inch = 5 feet Vert.
10 feet Horiz.

PA and Plan No.	State	County	Route	Proj. No.	Sheet No.
7	ILLINOIS	STARK	120-D19-2100	150	

STATE JOB NO. 09030-8905 &
09030-8509



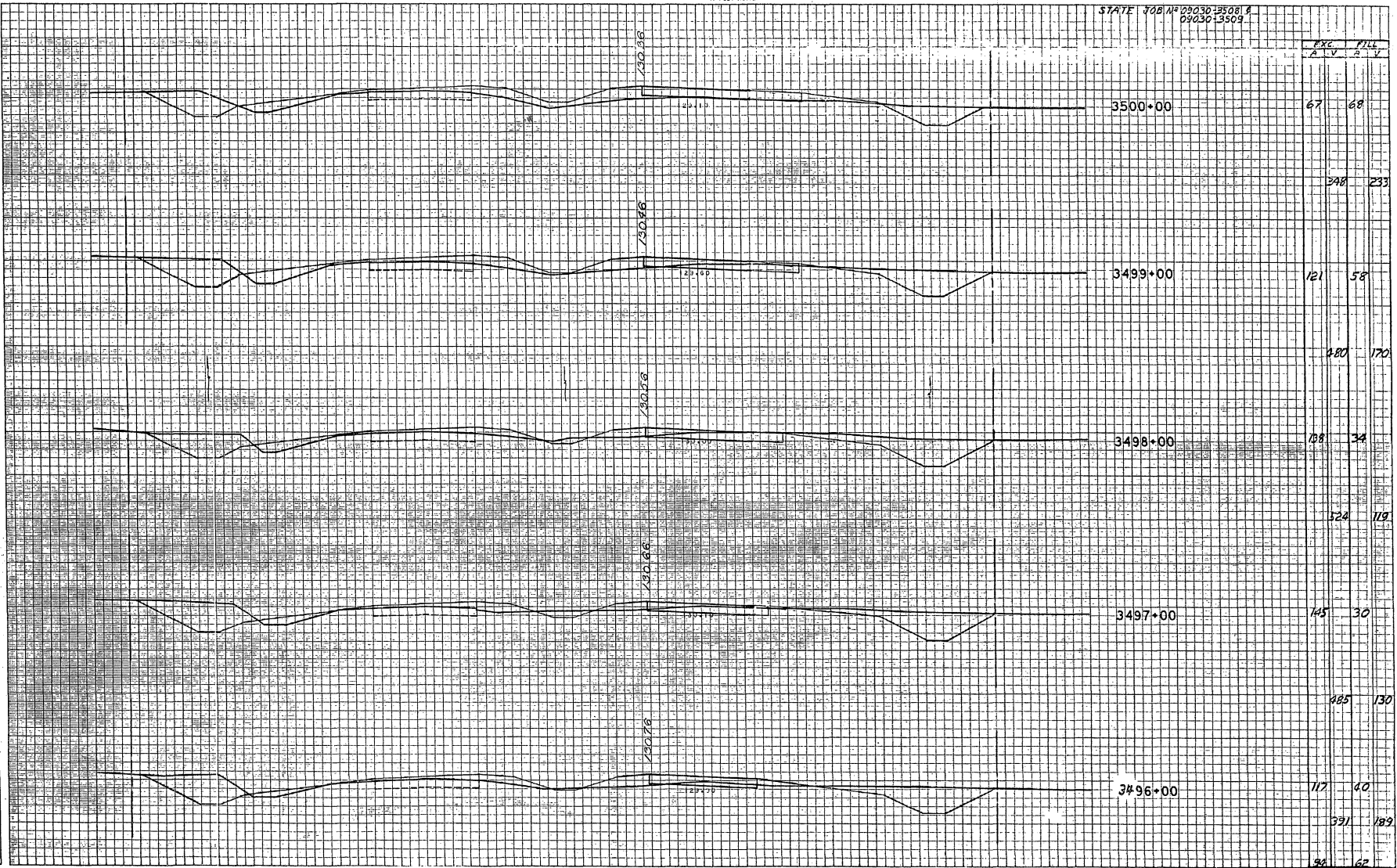
Proposed Profile	_____
Existing Profile	_____
Grade Line	_____
Right-of-Way	_____
Center Line	_____
Left-of-Way	_____
Footway	_____
Shoulder	_____
Drainage	_____
Other	_____

CROSS SECTIONS

Scale 1 inch = 5 feet Vert.
10 feet Horiz.

Proj. No.	2500	County	Highlands	Dist.	5823	Proj. No.	HC-619-5205	Dist. No.	787
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STATE JOB # 09030-25081
09030-3509



Applicant No. _____
 Series No. _____
 Checked by _____
 Date _____
 Checked by _____
 Date _____
 Checked by _____
 Date _____

CROSS SECTIONS
 Scale 1 Inch = 5 feet Vert.
 10 Feet Horiz.

Proj. Dist.	State	County	Route	Proj. No.	Sheet No.
2	Ill.	HIGHLANDS	S.R. 25	ED-203-2149	162

STATE JOB NO. 09030-3501 &
 09030-3509



EXC.		FILL	
A	V	A	V
218	55		
711	192		
166	50		
589	269		
152	95		
457	272		
95	52		
300	222		
67	68		

Approved by _____
 Checked by _____
 Drawn by _____
 Date _____

CROSS SECTIONS
 Scale 1 inch = 5 feet Vert.
 10 feet Horiz.

Proj. No.	State	County	Dist.	Proj. No.	Sheet No.
111	Pa.	HIGHWAY	223	171-172-173	172

STATE JOB NO. 03030-35091 E
 03030-3509



- 1. Proposed
- 2. Existing
- 3. Slope to EAV
- 4. Slope to Drain
- 5. Slope to Right
- 6. Slope to Left
- 7. Slope to Center
- 8. Slope to Edge
- 9. Slope to Bottom
- 10. Slope to Top

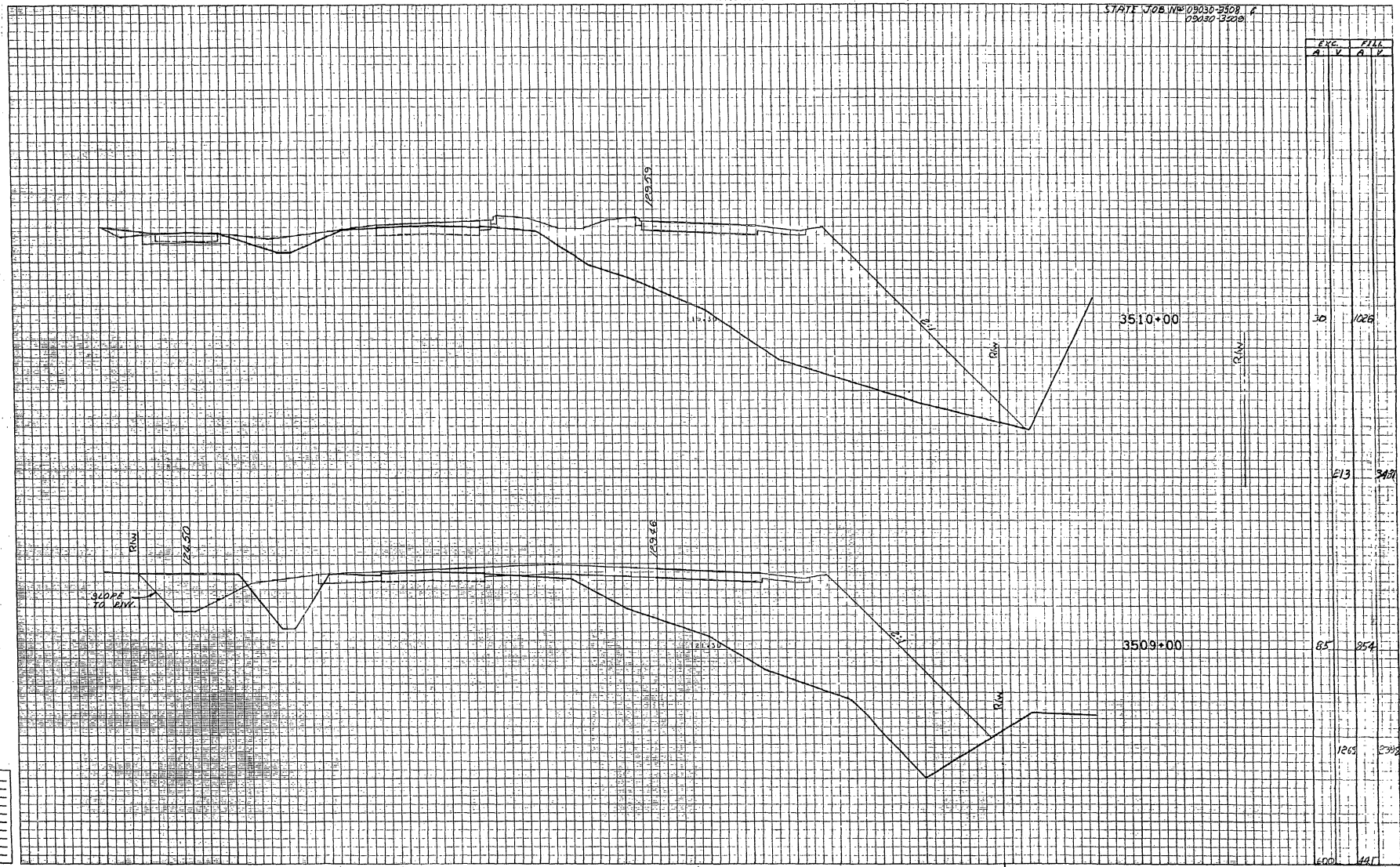
Station	Left	Right
3508+00	84	161
3507+00	160	58
3506+00	185	45
3505+00	194	44
	763	183
	218	55

CROSS SECTIONS

Scale 1 inch = 5 feet Vert.
10 Feet Horiz.

Proj. No.	State	County	Route	Proj. Km.	Sheet No.
100-019-270	FLA.	HIGHLANDS	2823	100-019-270	124

STATE JOB NO. 09030-3508
09450-3509



ELEV.		FILE	
A	V	A	V
10	1026		
13	1028		
16	1030		
19	1032		
22	1034		
25	1036		
28	1038		
31	1040		
34	1042		
37	1044		
40	1046		
43	1048		
46	1050		
49	1052		
52	1054		
55	1056		
58	1058		
61	1060		
64	1062		
67	1064		
70	1066		
73	1068		
76	1070		
79	1072		
82	1074		
85	1076		
88	1078		
91	1080		
94	1082		
97	1084		
100	1086		

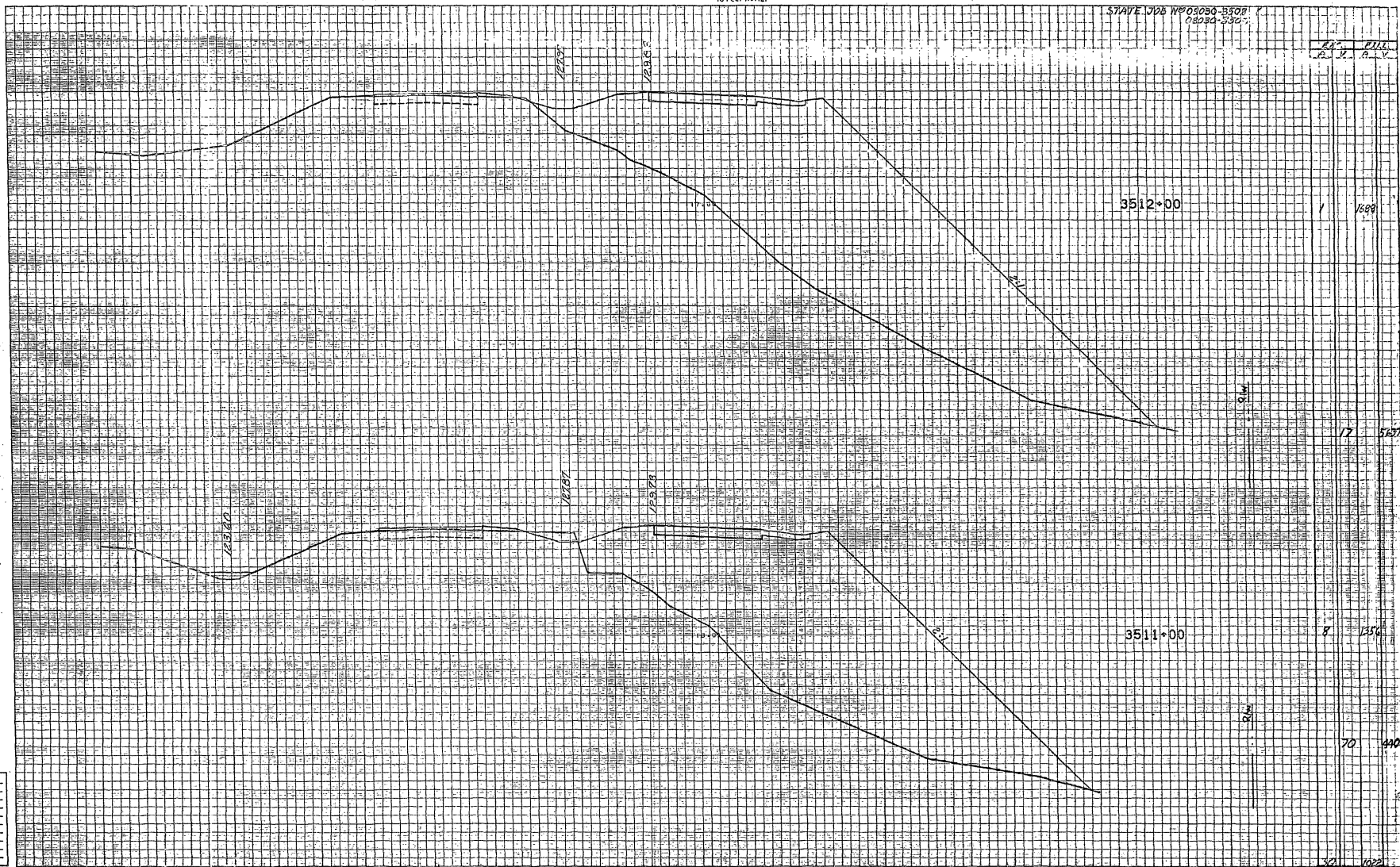
Checked by _____
 Drawn by _____
 Title _____
 Date _____
 Scale _____
 Project _____
 State _____
 County _____
 Route _____
 Station _____
 Sheet _____
 Total _____

CROSS SECTIONS

Scale 1 inch = 5 feet Vert.
10 feet Horiz.

Proj. No.	State	County	Dist.	Proj. No.	Sheet No.
1000	INDIANA		1000	1000	1000

STAVE JOB NO. 09080-5508
08080-5508



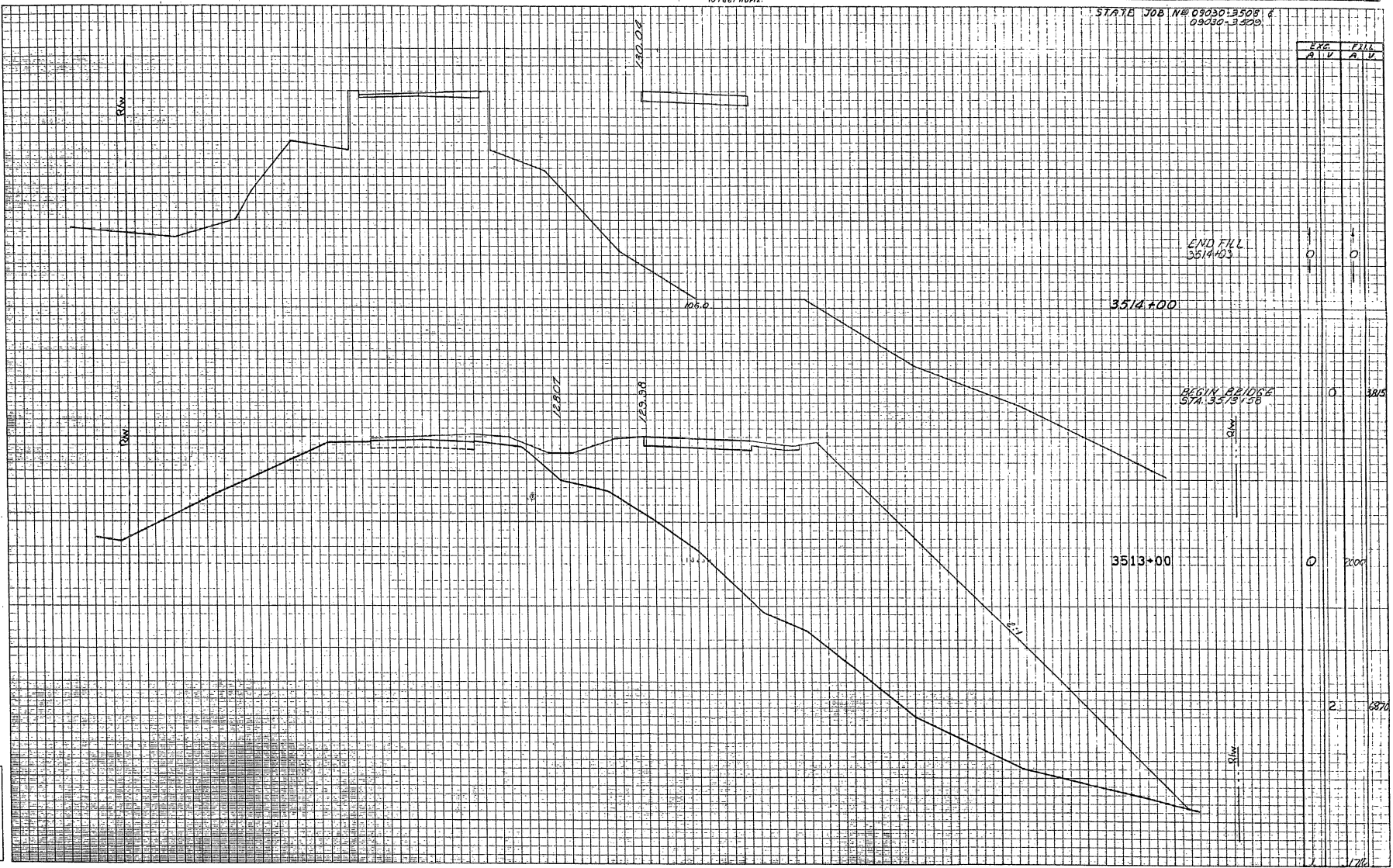
Applicant No.	_____
Scale No.	_____
Contract No.	_____
Checked by	_____
Ready by	_____
Date	_____
Scale	_____
Checked by	_____
Date	_____
Checked by	_____

W. S. GIBSON & COMPANY, INC.

CROSS SECTIONS
 Scale 1 inch = 5 feet Vert.
 10 feet Horiz.

File No.	Date	County	Route	Proj. No.	Sheet No.
1		HIGHLANDS	S.R. 25	EU-278-2(10)	728

STATE JOB # 03030-3508 1
 03030-3509

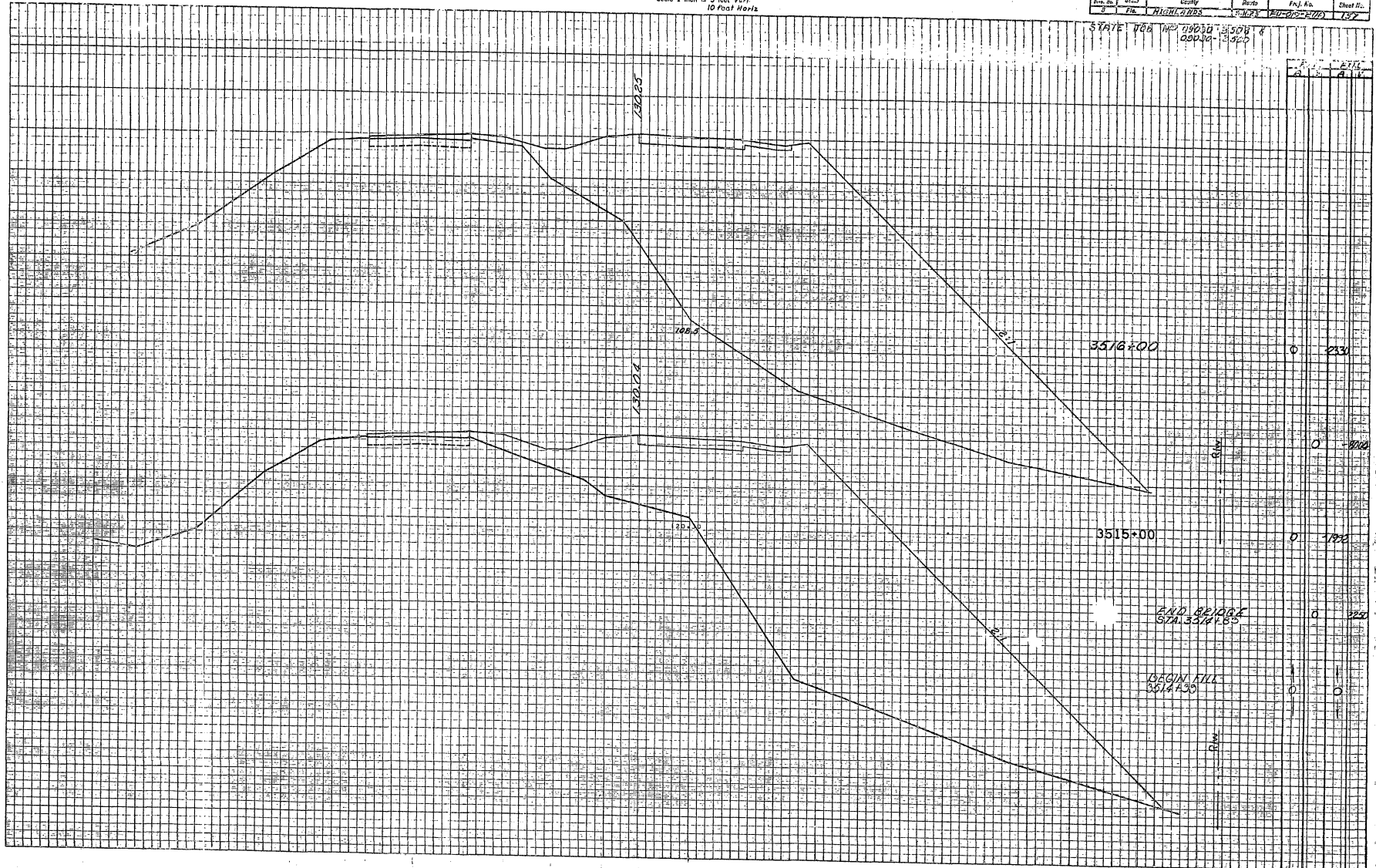


Exc.	Fill
A	B
0	0
0	38.5
0	2000
2	5870
	170

1	Subgrade
2	Base
3	Sub-base
4	Shoulder
5	Right-of-way
6	Water
7	Existing
8	Proposed
9	Other
10	Unlabeled

CROSS SECTIONS
 Scale 1 inch = 5 feet Vert
 10 Foot Horiz

Proj. No.	Dist.	County	Sheet	Proj. No.	Sheet No.
57A7E	Sta. 3516+00	MIAMI	225	57A7E	177



Checked by	
Reviewed by	
Drawn by	
Scale	
Date	
Project No.	
Sheet No.	
Station	
Section	
Notes	

CROSS SECTIONS
 Scale 1 Inch = 5 feet Vert.
 10 Feet Horiz.

Proj. No.	Sheet	Comp.	Date	Proj. No.	Sheet No.
7	11	11/11/73	11/11/73	11-019-011	137

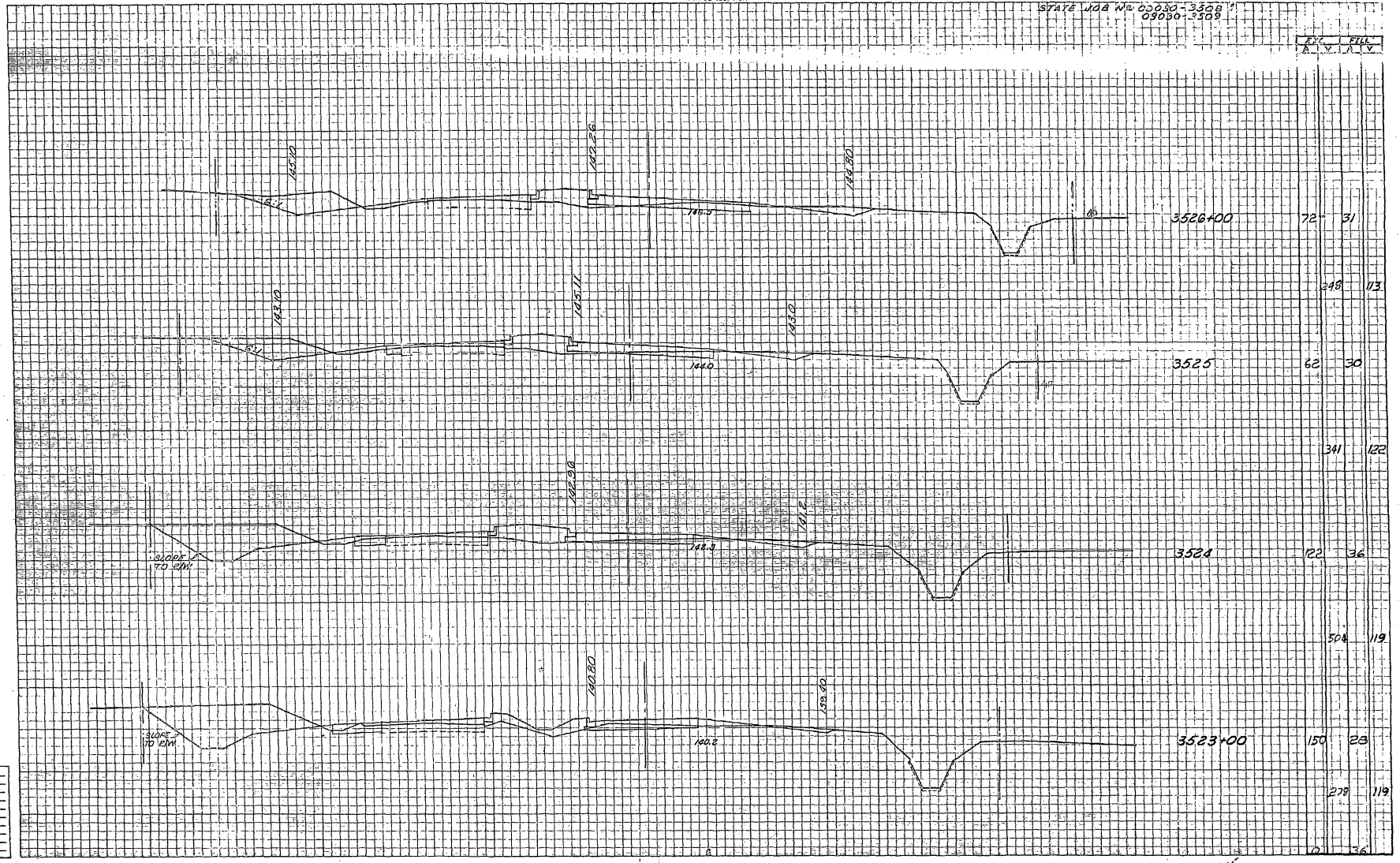


Checked by _____
 Drawn by _____
 Plotted by _____
 Approved by _____
 Date _____

CROSS SECTIONS
 Scale 1 inch = 5 feet Vert
 1 inch = 10 feet Horiz

Proj. No.	Sheet	County	Route	Proj. No.	Sheet No.
0	1	HARRIS	S.P.E. 101-2113	150	119

STATE JOB NO. 00080-3508
 09090-3508



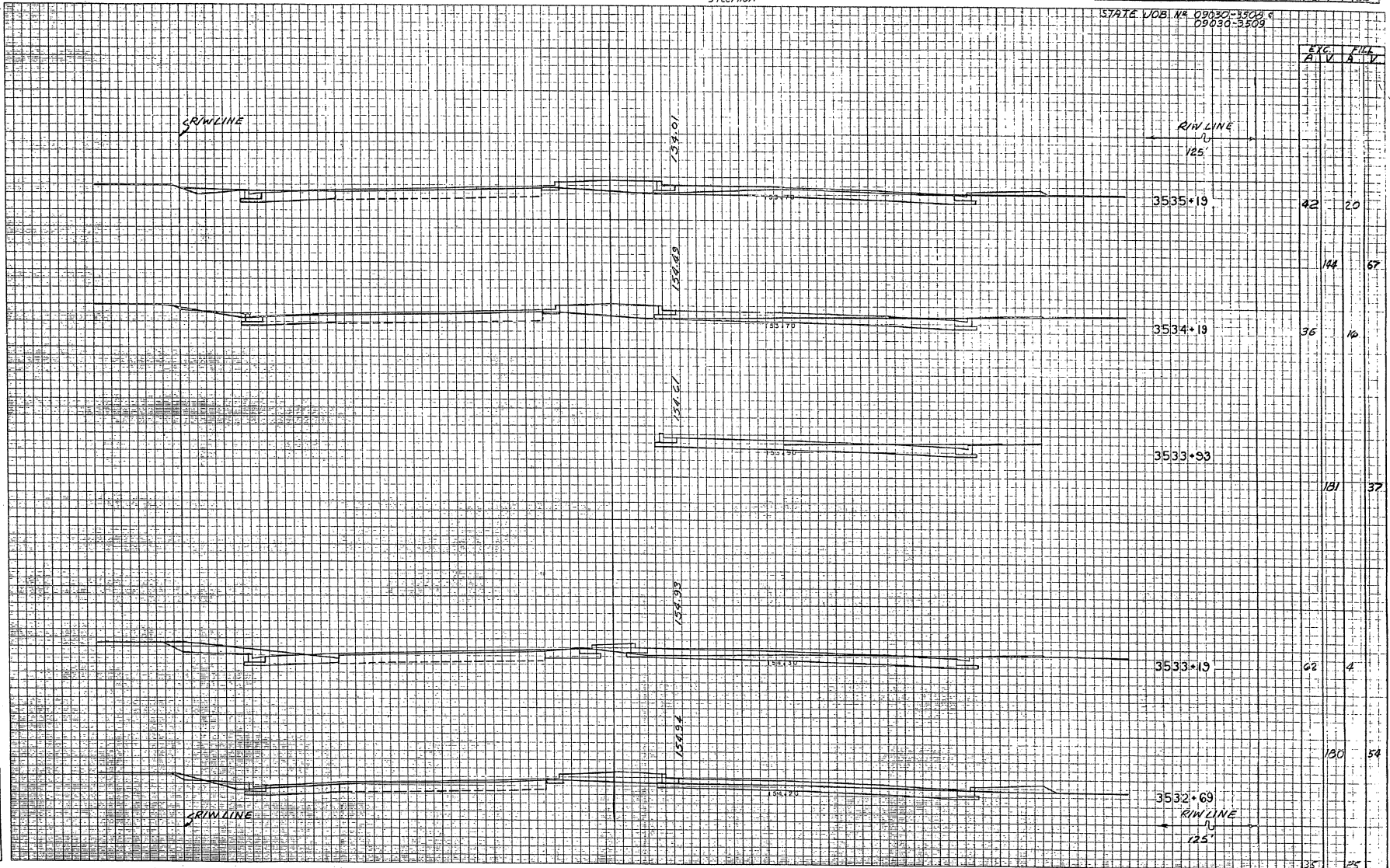
Symbol	Description
—	Proposed Roadway
- - -	Proposed Utility
---	Proposed Embankment
...	Proposed Gravel
.....	Proposed Sand
.....	Proposed Clay
.....	Proposed Rock
.....	Proposed Water
.....	Proposed Sewer
.....	Proposed Gas
.....	Proposed Electric
.....	Proposed Telephone
.....	Proposed Cable
.....	Proposed Drainage
.....	Proposed Erosion Control
.....	Proposed Retention Wall
.....	Proposed Bridge
.....	Proposed Culvert
.....	Proposed Structure
.....	Proposed Foundation
.....	Proposed Pier
.....	Proposed Abutment
.....	Proposed Tower
.....	Proposed Mast
.....	Proposed Pole
.....	Proposed Sign
.....	Proposed Marker
.....	Proposed Stake
.....	Proposed Nail
.....	Proposed Bolt
.....	Proposed Nut
.....	Proposed Washer
.....	Proposed Plate
.....	Proposed Bar
.....	Proposed Rod
.....	Proposed Pipe
.....	Proposed Tube
.....	Proposed Sheet
.....	Proposed Lath
.....	Proposed Mesh
.....	Proposed Fabric
.....	Proposed Paper
.....	Proposed Cloth
.....	Proposed Rubber
.....	Proposed Plastic
.....	Proposed Glass
.....	Proposed Metal
.....	Proposed Wood
.....	Proposed Concrete
.....	Proposed Brick
.....	Proposed Stone
.....	Proposed Mortar
.....	Proposed Grout
.....	Proposed Sealant
.....	Proposed Adhesive
.....	Proposed Coating
.....	Proposed Finish
.....	Proposed Treatment
.....	Proposed Protection
.....	Proposed Barrier
.....	Proposed Fence
.....	Proposed Gate
.....	Proposed Wall
.....	Proposed Deck
.....	Proposed Stair
.....	Proposed Ramp
.....	Proposed Platform
.....	Proposed Foundation
.....	Proposed Pier
.....	Proposed Abutment
.....	Proposed Tower
.....	Proposed Mast
.....	Proposed Pole
.....	Proposed Sign
.....	Proposed Marker
.....	Proposed Stake
.....	Proposed Nail
.....	Proposed Bolt
.....	Proposed Nut
.....	Proposed Washer
.....	Proposed Plate
.....	Proposed Bar
.....	Proposed Rod
.....	Proposed Pipe
.....	Proposed Tube
.....	Proposed Sheet
.....	Proposed Lath
.....	Proposed Mesh
.....	Proposed Fabric
.....	Proposed Paper
.....	Proposed Cloth
.....	Proposed Rubber
.....	Proposed Plastic
.....	Proposed Glass
.....	Proposed Metal
.....	Proposed Wood
.....	Proposed Concrete
.....	Proposed Brick
.....	Proposed Stone
.....	Proposed Mortar
.....	Proposed Grout
.....	Proposed Sealant
.....	Proposed Adhesive
.....	Proposed Coating
.....	Proposed Finish
.....	Proposed Treatment
.....	Proposed Protection
.....	Proposed Barrier
.....	Proposed Fence
.....	Proposed Gate
.....	Proposed Wall
.....	Proposed Deck
.....	Proposed Stair
.....	Proposed Ramp
.....	Proposed Platform

CROSS SECTIONS

Scale 1 inch = 5 feet Vert.
5 feet Hor.

Dist. from Sta.	Sta.	County	Route	Proj. No.	Sheet No.
8	110	HIGHLANDS	S.R. 25	EG-209-2(16)	16

STATE JOB. NO. 09030-3503
09030-3509



Prepared by _____	Checked by _____
Original Plotted by _____	Checked by _____
Revised by _____	Checked by _____
Scale by _____	Checked by _____
Field Notes by _____	Checked by _____
Asst. by _____	Checked by _____
Drawn by _____	Checked by _____

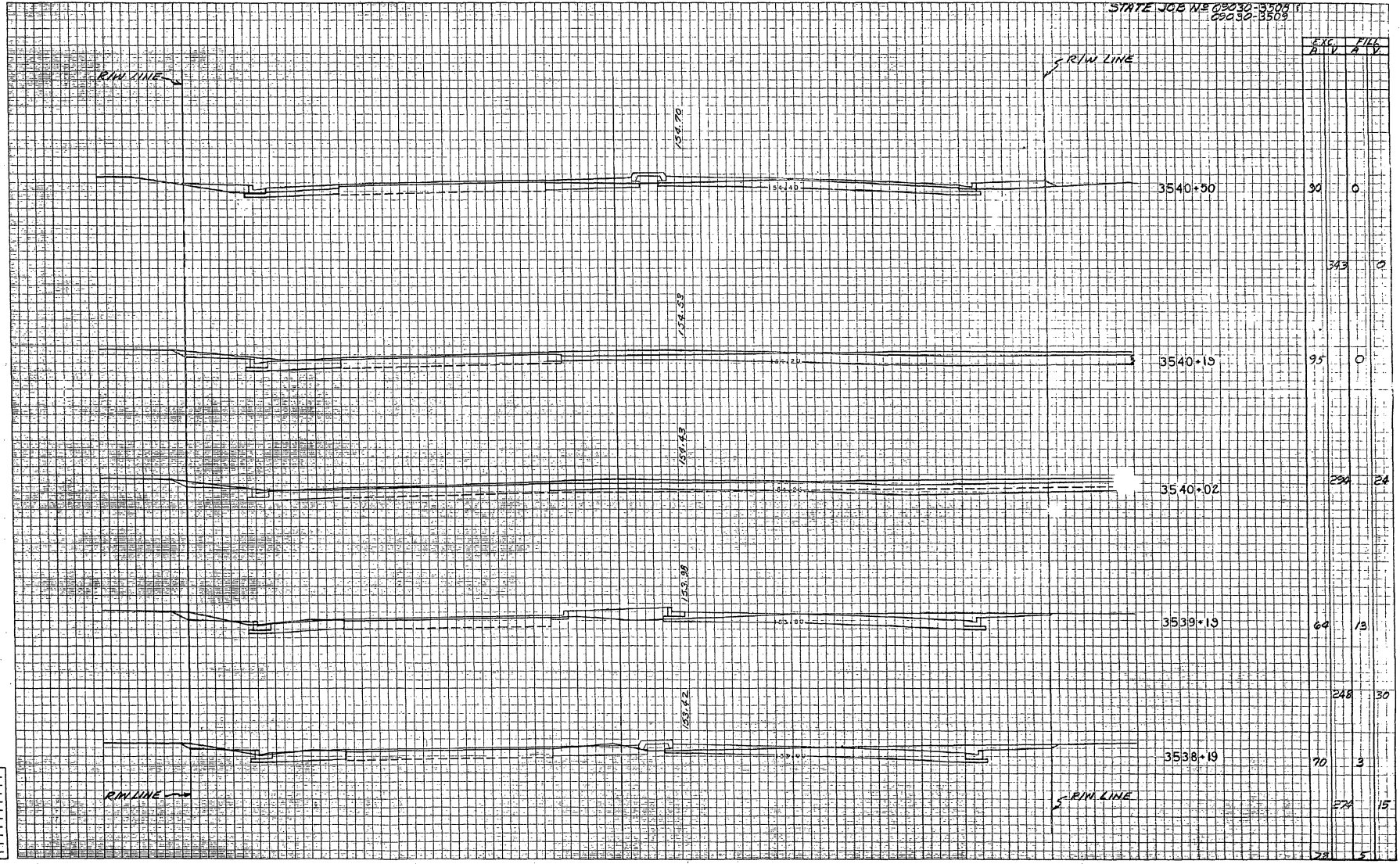
A.S. BRUNNEN, Inc.

CROSS SECTIONS

Scale 1 inch = 5 feet Vert.
1/2 inch = 100 feet Hor.

Proj. No.	State	County	Route	Proj. No.	Sheet No.
69030-3508	FLA.	HIGHLANDS	6925	EU-019-210	165

STATE JOB NO. 69030-3508
69030-3509



Prepared by	
Checked by	
Drawn by	
In Charge	
Contract No.	
Project Name	
Sheet No.	
Scale	
Date	

A.D. 69030-3509

GROSS SECTIONS

Scale 1 inch = 5 feet Vert
5 Feet Hor.

Proj. No.	State	County	Route	Proj. No.	Sheet No.
3	Fla.	HIGHLANDS	S.R. 20	EG-019-210	167

STATE JOB NO. 03030-3508 &
03030-3509



Prepared by	
Checked by	
Approved by	
Scale	
Date	
Project No.	
Sheet No.	
Section No.	
Stationing	
Vertical Curve	
Horizontal Curve	
Other	

IN 100% COMPLIANCE WITH THE FLORIDA DEPARTMENT OF TRANSPORTATION

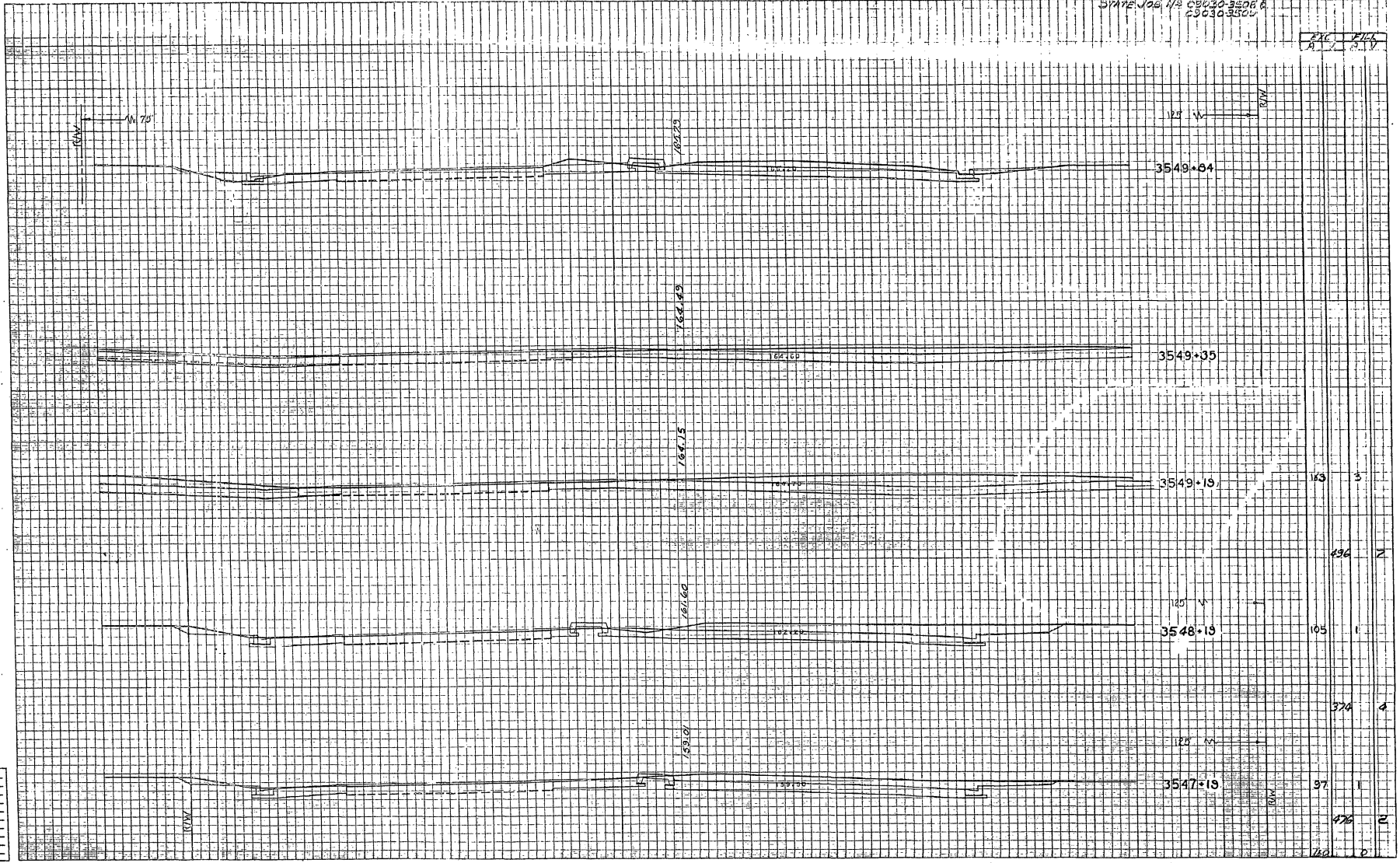
CROSS SECTIONS

Scale 1 inch = 5 feet Vert.
3 feet Hor.

Proj. No.	State	County	Route	Proj. No.	Sheet No.
715	MISSISSIPPI	CLAY	128	128	128

STATE JOB NO. 39630-3508 A
39630-3508

EXC. FILE
A. 1. 1. 1.



Checked by	
Reviewed by	
Drawn by	
Scale	
Date	
Project	
Sheet	
Block	
City	
State	

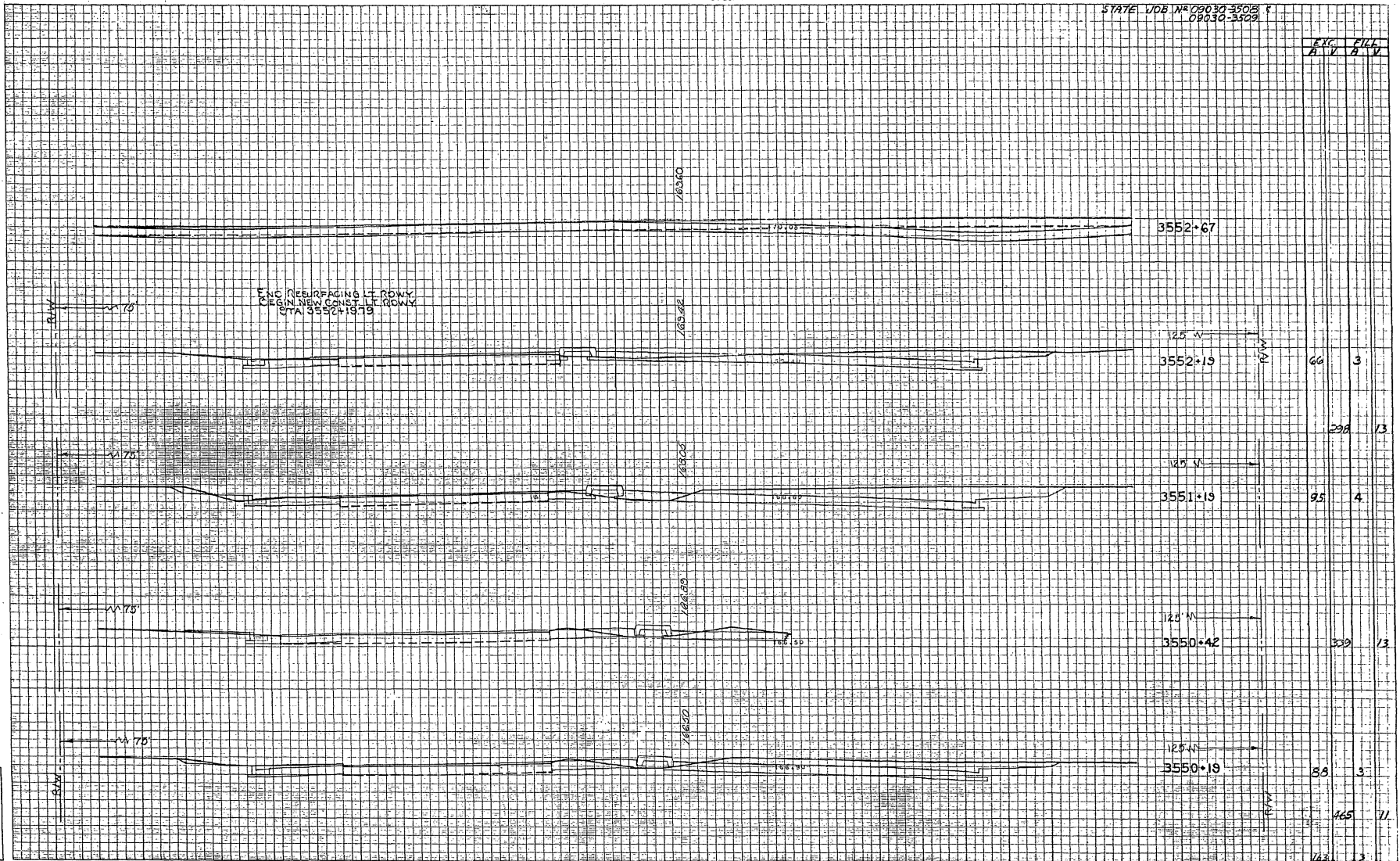
CROSS SECTIONS

Scale 1 inch = 5 feet Vert
5 Feet Hor.

Dist. Sta.	State	County	Route	Proj. No.	Sheet No.
2	Pa.	HIGHWAY	25	PA-218-2163	169

STATE JOB NO. 09030-3503
09030-3409

EXC. FILL
A. V. B. V.



END RESURFACING LT ROWY
BEGIN NEW CONST. LT ROWY
STA 3552+55 TO 3552+79

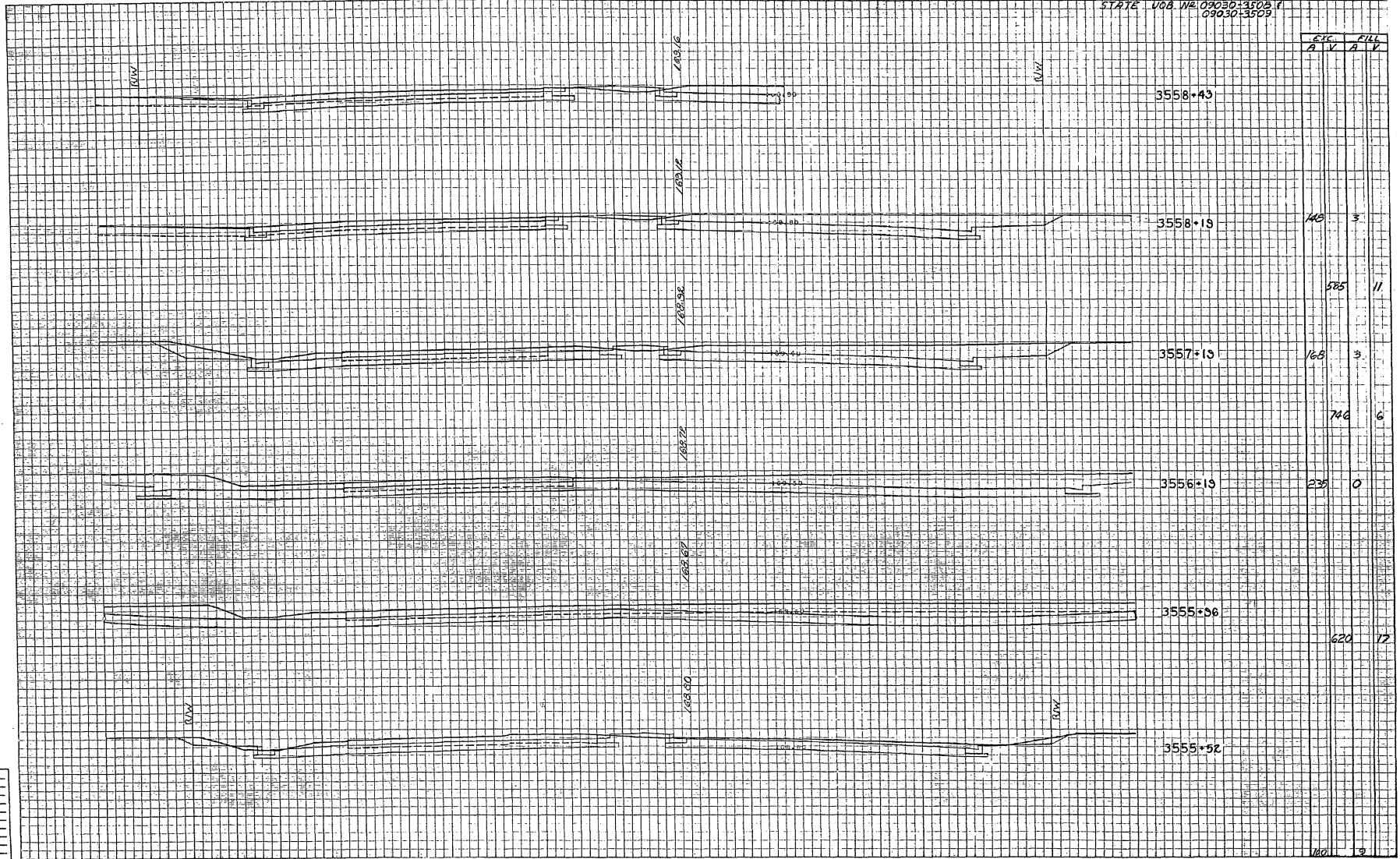
1	Proposed
2	Existing
3	Subgrade
4	Subbase
5	Base
6	Surface
7	Shoulder
8	Grass
9	Water
10	Other

CROSS SECTIONS

Scale 1 inch = 5 feet Vert
5 feet Hor

Proj. No.	State	County	Route	Proj. No.	Sheet No.
1	IL	HIGHLANDS	S.R. 25	PD-019-3(6)	171

STATE VOB No. 09030-3508-1
09030-3509

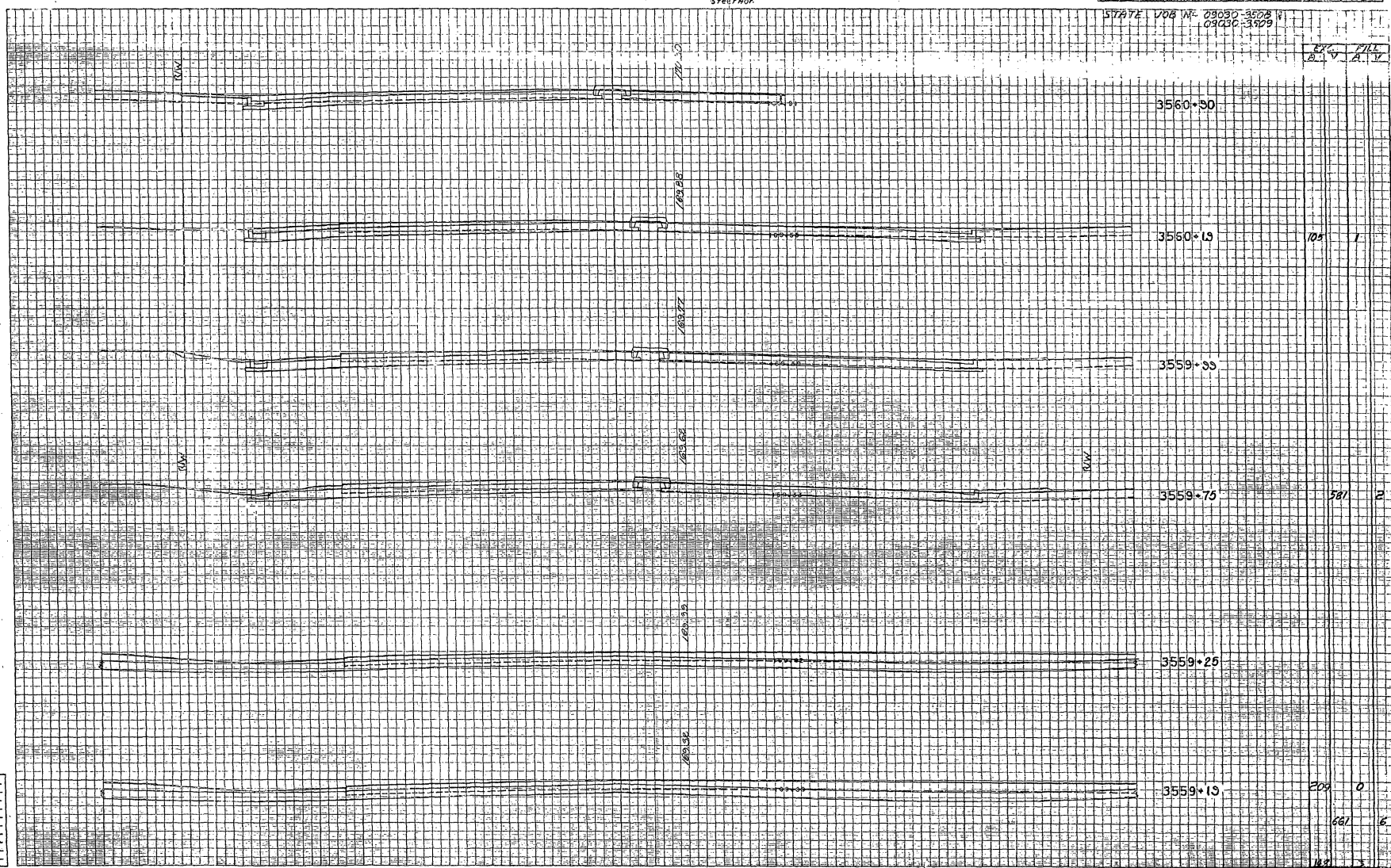


CROSS SECTIONS

Scale 1 inch = 5 feet
 1/2" = 10' = 20'

Job No.	State	County	District	Proj. No.	Sheet No.
1	Fla.	HIGHLANDS	SEC 22	20-013-0101 172	

STATE JOB NO. 09030-8508
 09030-3509



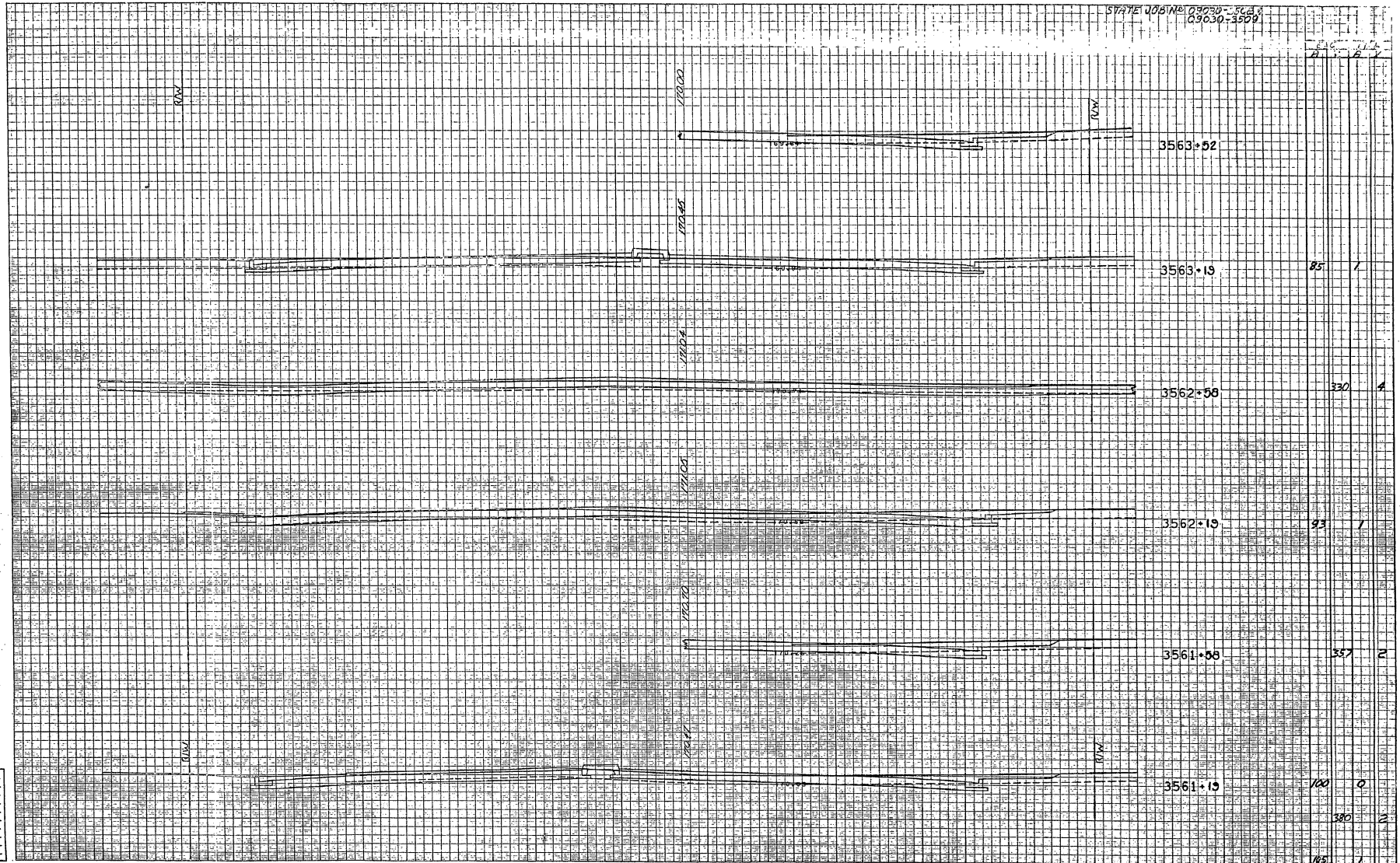
Exc.	Fill
105	1
587	2
209	0
687	6
183	3

Proposed Road	.....
Existing Road	.....
Proposed Shoulder	.....
Existing Shoulder	.....
Proposed Embankment	.....
Existing Embankment	.....
Proposed Cut	.....
Existing Cut	.....
Proposed Bridge	.....
Existing Bridge	.....
Proposed Culvert	.....
Existing Culvert	.....
Proposed Ditch	.....
Existing Ditch	.....
Proposed Utility	.....
Existing Utility	.....

CROSS SECTIONS
 Scale 1 inch = 5 feet Vert
 5 feet Hor

Proj. No.	State	County	Route	Proj. No.	Sheet No.
3	Ill.	Highway	52	20-573-2(1)	72

STATE JOB NO. 29030-563
 09030-3509



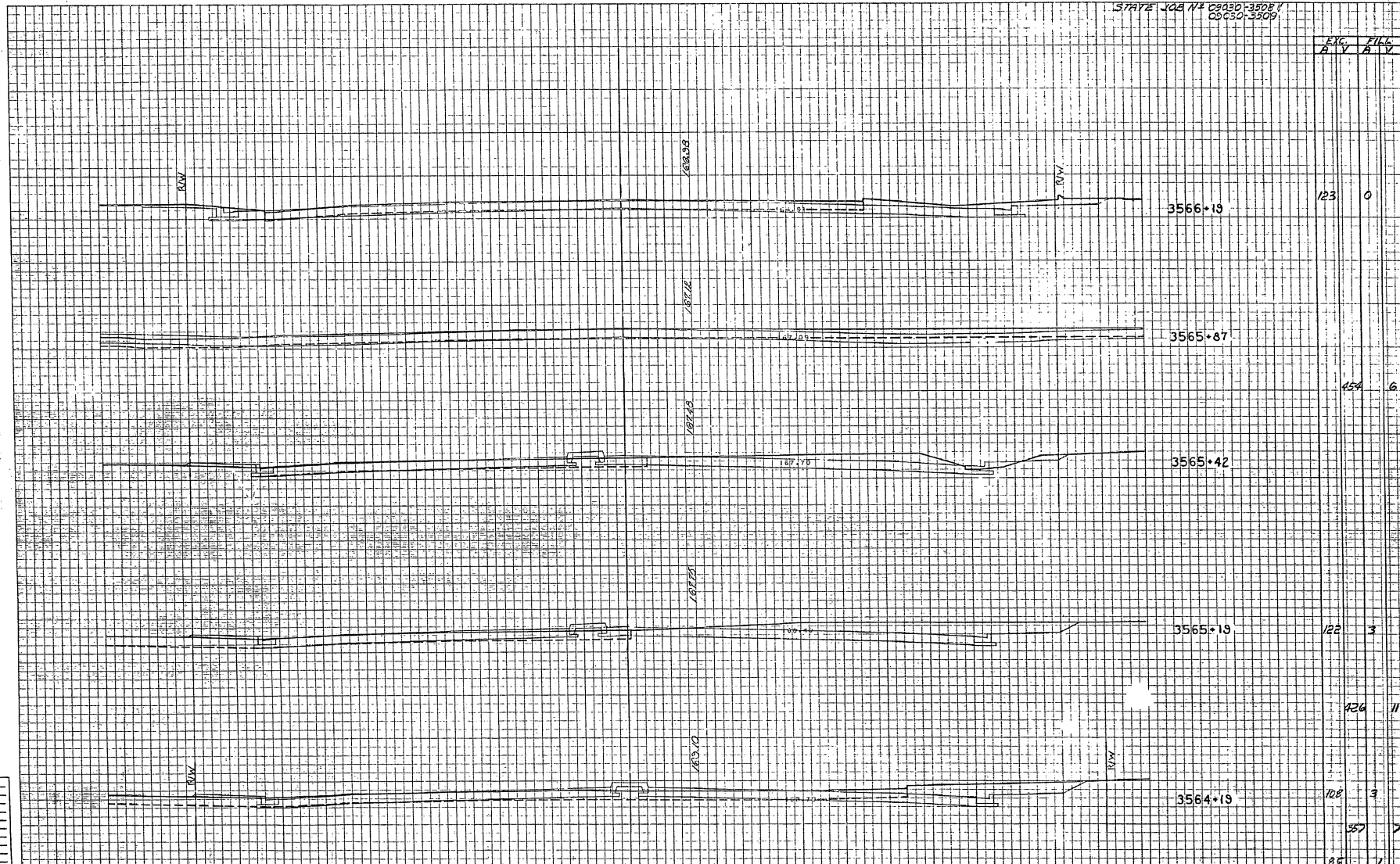
Designed by	_____
Checked by	_____
Drawn by	_____
Plotting by	_____
Approved by	_____
Date	_____

CROSS SECTIONS

Scale 1 inch = 5 feet
Vertical

Proj. No.	State	County	Route	Proj. No.	Sheet No.
3	Ill.	WILLIAMS	S.R. 13	1121	172

STATE JOB # C030-3508 / C030-3509



Drawn by	
Checked by	
Designed by	
Estimated by	
Field notes by	
Plan notes by	
Profile notes by	
Section notes by	
Other notes by	
Checked by	
Approved by	

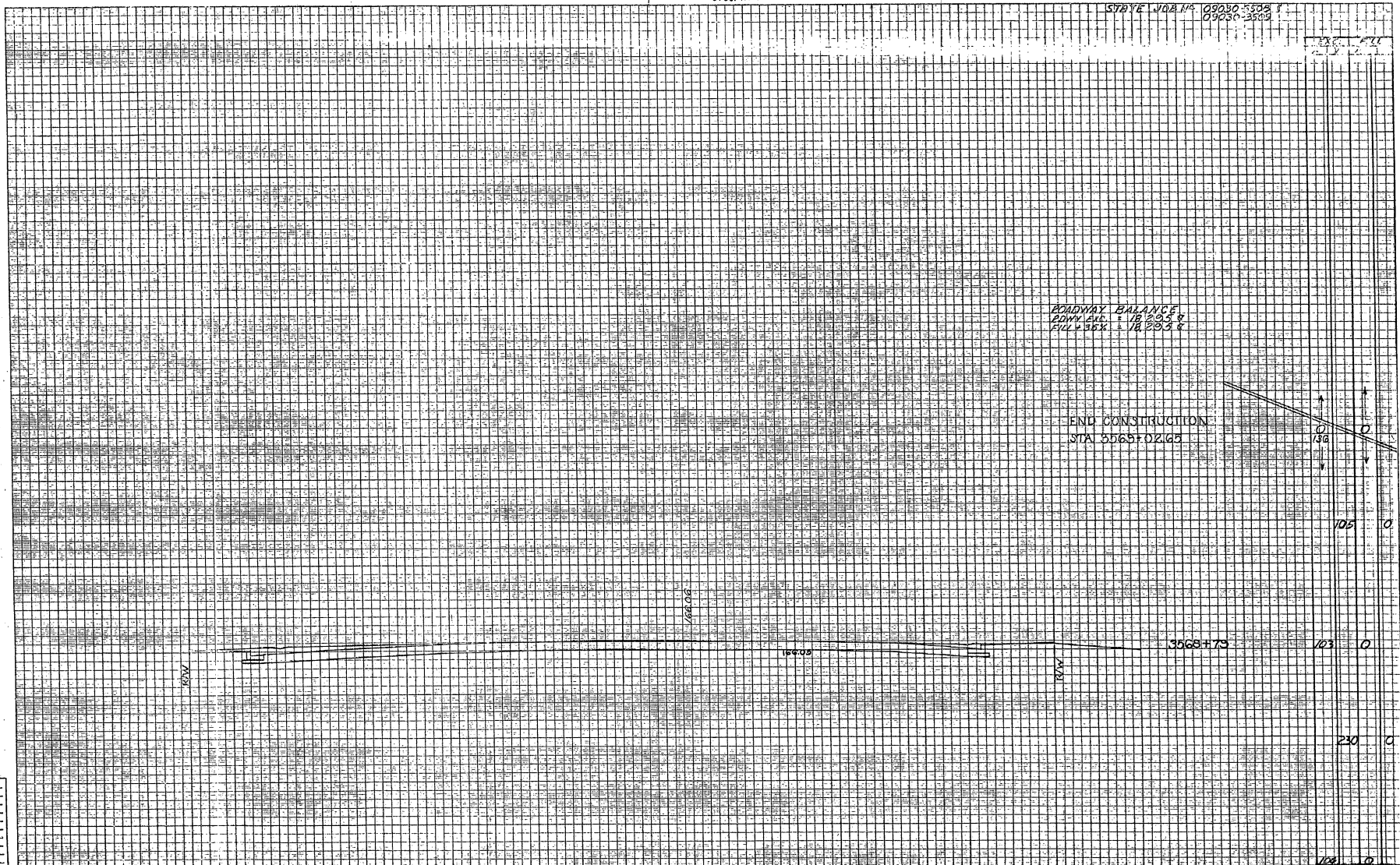
11/10/09

CROSS SECTIONS

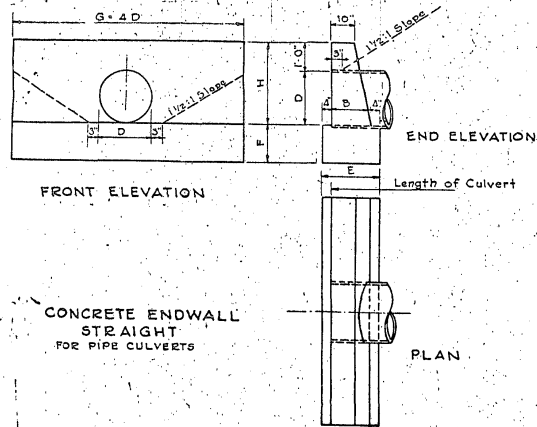
Scale 1 inch = 5 feet V.C.P.
Sheet No. 1

Proj. No.	State	County	Sheet	Proj. No.	Sheet No.
11	Pa.	HIGHT SPINGS	11-26	FD-DB-200	126

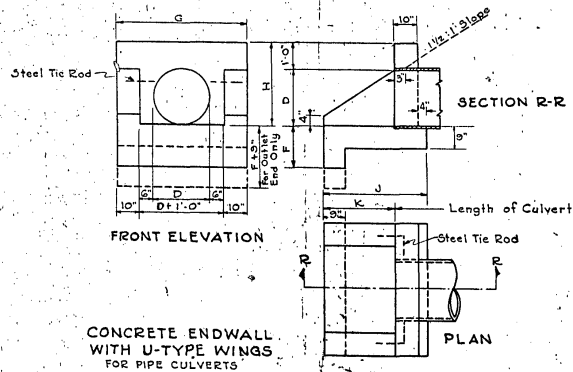
STBYE V.D.A. No. 00030-5598 &
00030-3509



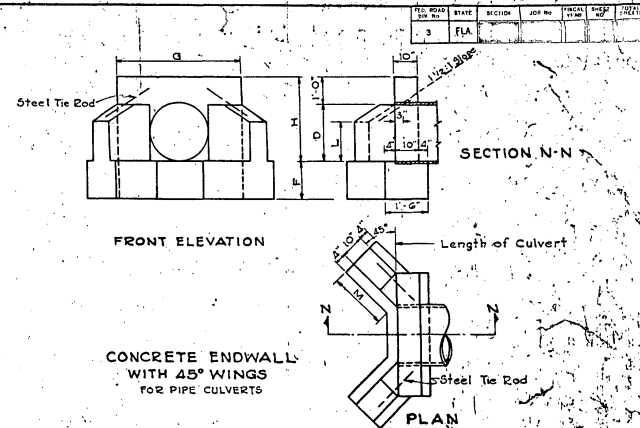
Ad. 1	_____
Ad. 2	_____
Ad. 3	_____
Ad. 4	_____
Ad. 5	_____
Ad. 6	_____
Ad. 7	_____
Ad. 8	_____
Ad. 9	_____
Ad. 10	_____
Ad. 11	_____
Ad. 12	_____
Ad. 13	_____
Ad. 14	_____
Ad. 15	_____
Ad. 16	_____
Ad. 17	_____
Ad. 18	_____
Ad. 19	_____
Ad. 20	_____



CONCRETE ENDWALL STRAIGHT FOR PIPE CULVERTS



CONCRETE ENDWALL WITH U-TYPE WINGS FOR PIPE CULVERTS



CONCRETE ENDWALL WITH 45° WINGS FOR PIPE CULVERTS

TABLE OF DIMENSIONS AND ESTIMATED QUANTITIES STRAIGHT ENDWALLS FOR PIPE CULVERTS

Opening	DIMENSIONS						QUANTITIES IN ONE ENDWALL			
	Area Sq. Ft.	Wall		Footings		Concrete			Steel Tie Rods	
D	G	H	B	E	F	Conc. Pipe	C.M. Pipe	C.I. Pipe		
12"	0.8	4'-0"	2'-0"	1'-2"	1'-10"	1'-0"	0.51	0.63	0.53	none
15"	1.2	5'-0"	2'-3"	1'-2"	1'-10"	1'-2"	0.73	0.76	0.76	none
18"	1.8	6'-0"	2'-6"	1'-3"	1'-11"	1'-3"	0.99	1.03	1.03	none
24"	3.1	8'-0"	3'-0"	1'-4"	2'-0"	1'-4"	1.54	1.61	1.61	2-3/4" x 2'-0"
30"	4.9	10'-0"	3'-6"	1'-6"	2'-2"	1'-6"	2.37	2.48	2.47	2-3/4" x 2'-0"
36"	7.1	12'-0"	4'-0"	1'-8"	2'-4"	1'-8"	3.42	3.59	3.57	2-3/4" x 2'-0"
42"	9.6	14'-0"	4'-6"	1'-10"	2'-6"	2'-0"	4.34	5.18		2-3/4" x 2'-0"
48"	12.6	16'-0"	5'-0"	2'-1"	2'-9"	2'-0"	6.50	6.83		2-3/4" x 2'-0"

TABLE OF DIMENSIONS AND ESTIMATED QUANTITIES PIPE CULVERT ENDWALLS WITH U-TYPE WINGS

Opening	DIMENSIONS						QUANTITIES IN ONE ENDWALL						
	Area Sq. Ft.	Wall		Footings		Concrete			Steel Tie Rods				
D	G	H	K	F	J	Conc. Pipe	C.M. Pipe	C.I. Pipe					
12"	0.8	3'-8"	2'-0"	1'-0"	1'-3"	2'-2"	0.52	0.57	0.51	none			
15"	1.2	5'-11"	2'-3"	1'-5"	1'-9"	2'-7"	0.61	0.69	0.64	none			
18"	1.8	4'-2"	2'-6"	1'-5"	1'-3"	2'-11"	0.72	0.61	0.76	none			
24"	3.1	4'-6"	3'-0"	2'-0"	1'-6"	3'-6"	1.03	1.19	1.08	1.18	2-3/4" x 2'-0"		
30"	4.9	5'-2"	3'-6"	3'-3"	1'-6"	4'-5"	1.58	1.80	1.43	1.59	1.42	1.53	2-3/4" x 2'-0"
36"	7.1	5'-6"	4'-0"	4'-0"	1'-9"	5'-2"	1.75	1.87	1.86	1.98	1.64	1.96	2-3/4" x 2'-0"
42"	9.6	6'-2"	4'-6"	4'-9"	2'-0"	5'-11"	2.21	2.32	2.34	2.47		2-3/4" x 2'-0"	
48"	12.6	6'-8"	5'-0"	5'-0"	2'-0"	6'-8"	2.66	2.80	2.85	2.97		2-3/4" x 2'-0"	

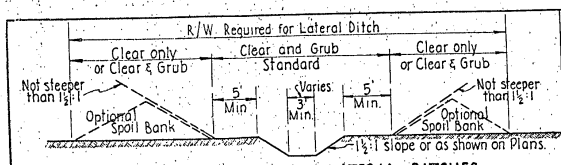
TABLE OF DIMENSIONS AND ESTIMATED QUANTITIES PIPE CULVERT ENDWALLS WITH 45° WINGS

Opening	DIMENSIONS						QUANTITIES IN ONE ENDWALL			
	Area Sq. Ft.	Wall		Footings		Concrete			Steel Tie Rods	
D	G	H	L	M	F	Conc. Pipe	C.M. Pipe	C.I. Pipe		
12"	0.8	4'-0"	2'-0"	1'-2"	1'-10"	1'-0"	0.51	0.63	0.53	none
15"	1.2	5'-0"	2'-3"	1'-2"	1'-10"	1'-2"	0.73	0.76	0.76	none
18"	1.8	6'-0"	2'-6"	1'-3"	1'-11"	1'-3"	0.99	1.03	1.03	none
24"	3.1	8'-0"	3'-0"	1'-4"	2'-0"	1'-4"	1.54	1.61	1.61	2-3/4" x 2'-0"
30"	4.9	10'-0"	3'-6"	1'-6"	2'-2"	1'-6"	2.37	2.48	2.47	2-3/4" x 2'-0"
36"	7.1	12'-0"	4'-0"	1'-8"	2'-4"	1'-8"	3.42	3.59	3.57	2-3/4" x 2'-0"
42"	9.6	14'-0"	4'-6"	1'-10"	2'-6"	2'-0"	4.34	5.18		2-3/4" x 2'-0"
48"	12.6	16'-0"	5'-0"	2'-1"	2'-9"	2'-0"	6.50	6.83		2-3/4" x 2'-0"

Note:
 Chamfer all exposed edges 3/4".
 Provide good foundation under pipes using concrete, if natural conditions are very bad.
 Where tie rods are required the cost of same shall be included in the unit price bid for Concrete.
 Rev. 6-14-46

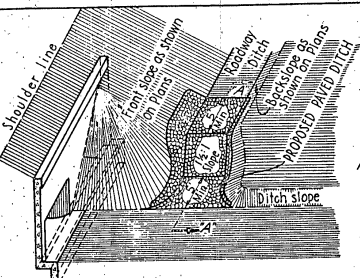
STATE OF FLORIDA
 STATE ROAD DEPARTMENT
 STANDARD ENDWALLS FOR PIPE CULVERTS

Revisions		Date	By	Approved by
1	Issue			
2	Revised			
3	Revised			
4	Revised			
5	Revised			
6	Revised			
7	Revised			
8	Revised			
9	Revised			
10	Revised			

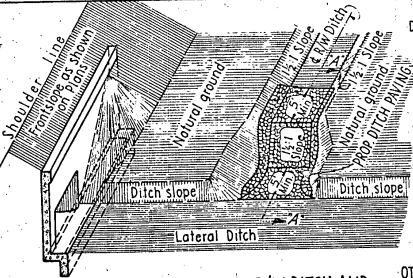


TYPICAL SECTION FOR LATERAL DITCHES

The bottom width of Lateral Ditches is to be 2' wider than the span of the structure they drain, or as shown on Plans. Clearing and Grubbing is to extend 200' beyond the end of the Ditch if necessary. No spoil bank will be permitted within 300' of the E of the Project, measured at right angles thereto. Waste materials in this section shall be either hauled and deposited in areas approved by the Engineer, or spread on adjacent areas to the depth designated by the Engineer. All excavation from Lateral Ditches shall be wasted unless otherwise shown on Lateral Ditch sheets.



DETAIL AT JUNCTION OF ROADWAY DITCH AND LATERAL DITCH

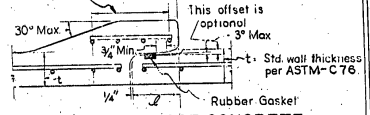


DETAIL AT JUNCTION OF R/W DITCH AND LATERAL DITCH

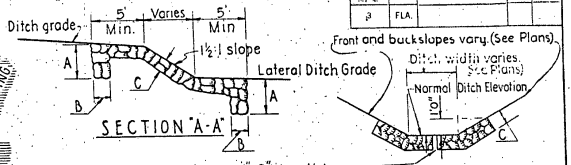
DETAILS OF DITCH PAVING

NOTE: Type of Ditch Pavement as shown on Plans. Soil-Cement or S.B.R.M. will not be permitted for this construction.

The area of circumferential steel in the bell shall not be less than that provided for an equivalent length of the pipe barrel plus an area equal to .005(D+2t) where D is the internal diameter of the pipe and t is the minimum shell thickness specified for the class and size of pipe.



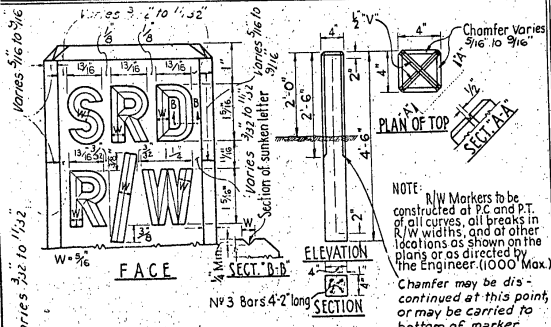
DETAIL OF BELL & SPIGOT CONCRETE PIPE JOINT USING ROUND RUBBER GASKET



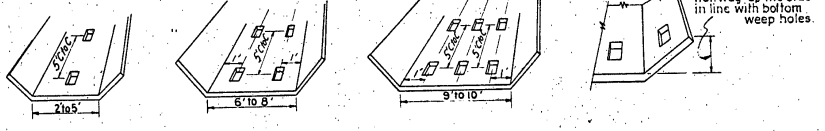
PROFILE OF DITCH PAVEMENT AT LOCATIONS OTHER THAN JUNCTION WITH LATERAL DITCH

- 1/2" Transverse open joints to be spaced at 50' intervals or as otherwise directed by the Engineer.
- Conc. pavement, sidewalk, curb or curb & gutter with a 3 sq.ft min. surface area. All joints shall be grouted.

SCHEDULE OF MINIMUM DIMENSIONS			
TYPE OF PAVEMENT	A	B	C
Concrete	24"	6"	3"
Rubble (Grouted)	24"	12"	9"
Sand-Cement	24"	12"	4"
Soil-Cement	24"	12"	4"
S.B.R.M.	24"	12"	4"
Salvaged Concrete	24"	12"	3 3/8"

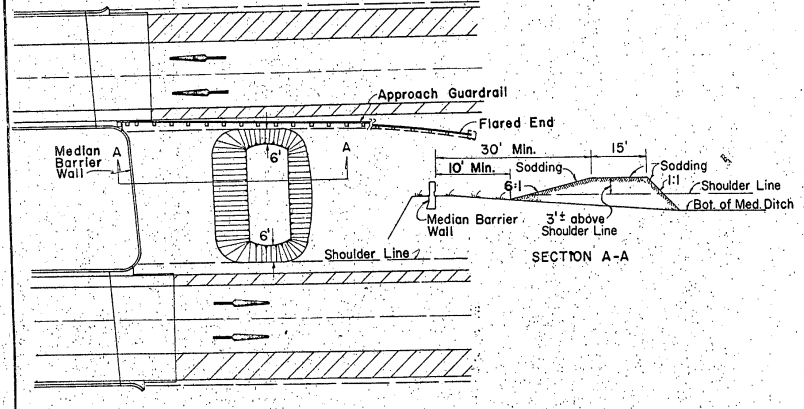


DETAILS OF R/W MARKERS

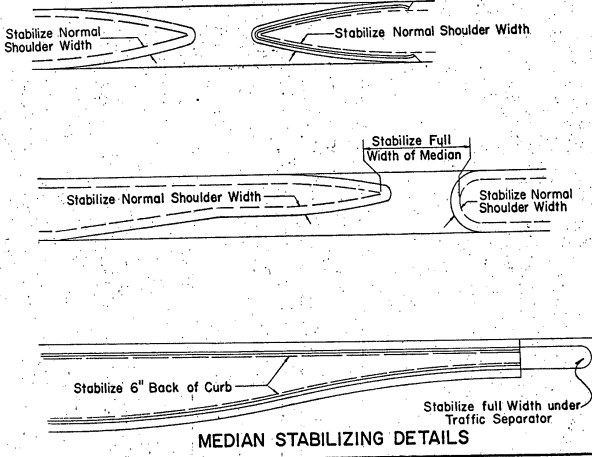


- Notes: All weep holes to be 4"x6"
- 1/2 Cu.ft. of clean, broken stone or gravel to be placed beneath each weep hole
- Weephole arrangement may be modified or additional weepholes required at the direction of the Engineer.

WEEP HOLE ARRANGEMENT

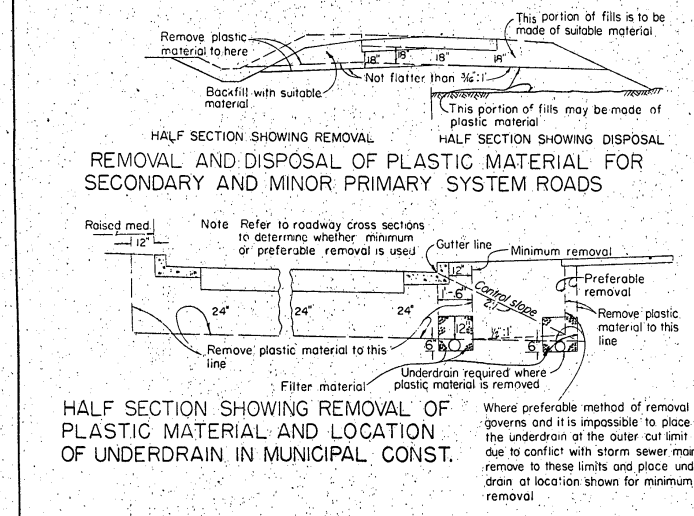
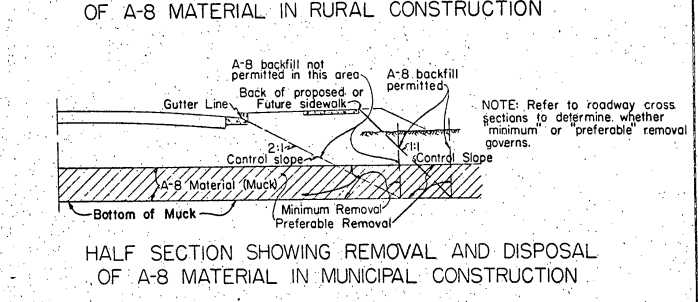
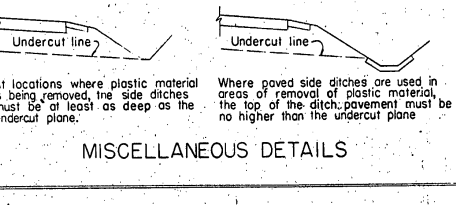
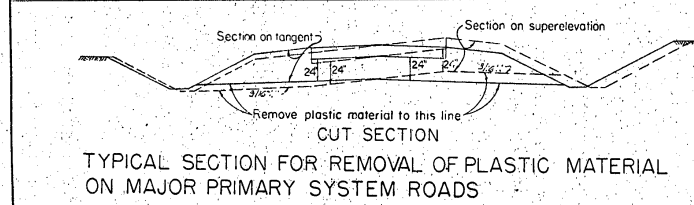
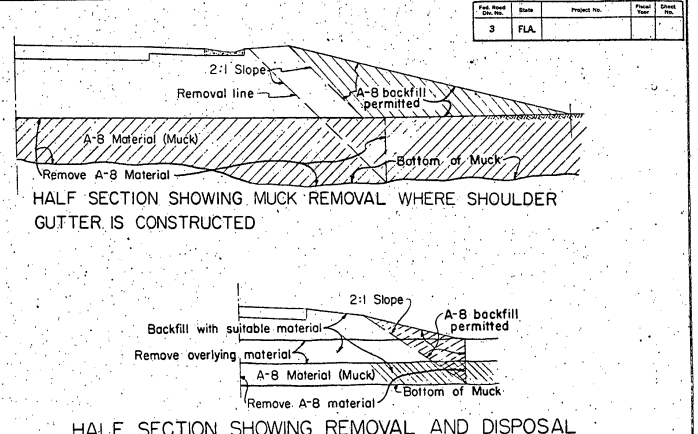
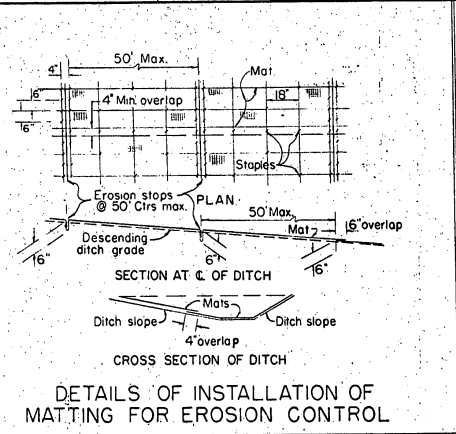
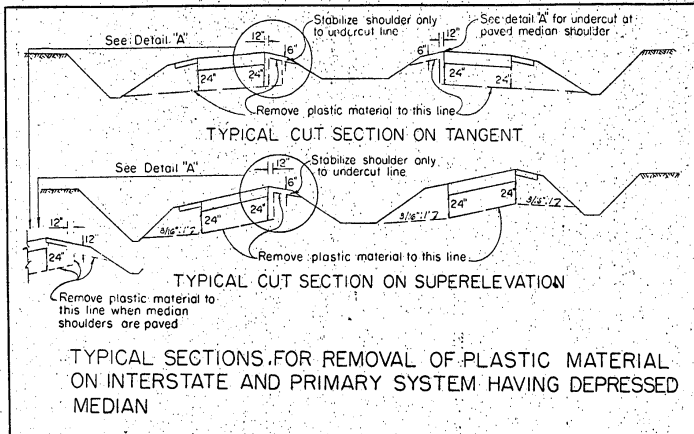


DETAIL OF MEDIAN BLOCK



- GENERAL NOTES**
- (1) When typical section has curb or curb and gutter in median stabilize 6" back of curb.
 - (2) When typical section has shoulder with no curb or curb and gutter in median stabilize to normal shoulder width.
 - (3) Stabilize entire area under all paved traffic islands.
 - (4) Stabilize full width under all traffic separator.

STATE ROAD DEPARTMENT OF FLORIDA			
ROADWAY PLANS DEPARTMENT			
MISCELLANEOUS ROADWAY CONSTRUCTION DETAILS			
REVISIONS	ROAD NO.	COUNTY	PROJECT NO.
Date: Description: Drawn by: Checked by: Traced by:			
Date: Description: Drawn by: Checked by: Traced by:			
Date: Description: Drawn by: Checked by: Traced by:			
Date: Description: Drawn by: Checked by: Traced by:			
Date: Description: Drawn by: Checked by: Traced by:			
APPROVED BY: [Signature]			1 of 2
DRAWING NO. 1101-R			

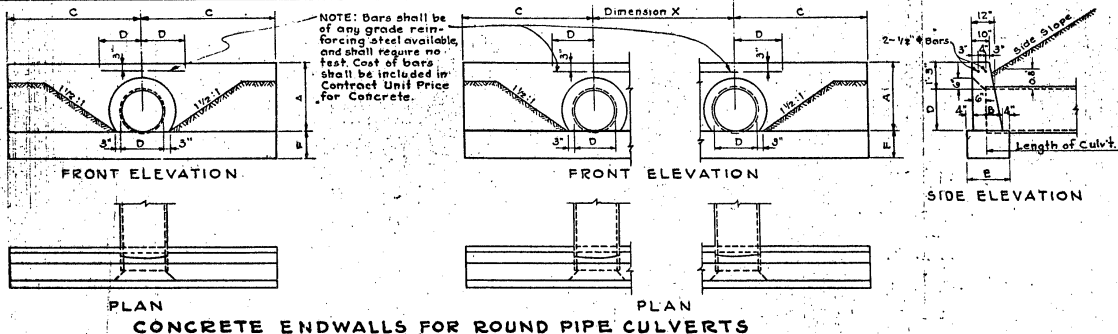


- GENERAL NOTES**
1. Minimum grade on underdrain pipe shall be 0.2%.
 2. Gradation of filter material shall conform to standard specifications.
 3. In rural projects, where underdrain is to be constructed beneath the proposed pavement, the grade of the underdrain is to be such that the underdrain filter material will not extend above the bottom of the stabilized section of the subgrade.
 4. All details shown on this sheet for the removal and disposal of unsuitable materials apply unless otherwise shown on the plans.
 5. Where plastic material is undercut, backfill shall be made of suitable material.
 6. The term "plastic material" used in this drawing in conjunction with removal of plastic material is defined as any material of the soils classifications of A-2-S, A-2-T, A-4, A-5, A-6 and A-7.
 7. The normal depth of side ditches for Interstate and major Primary System roads shall be 3.5 below the shoulder point except in special cases.

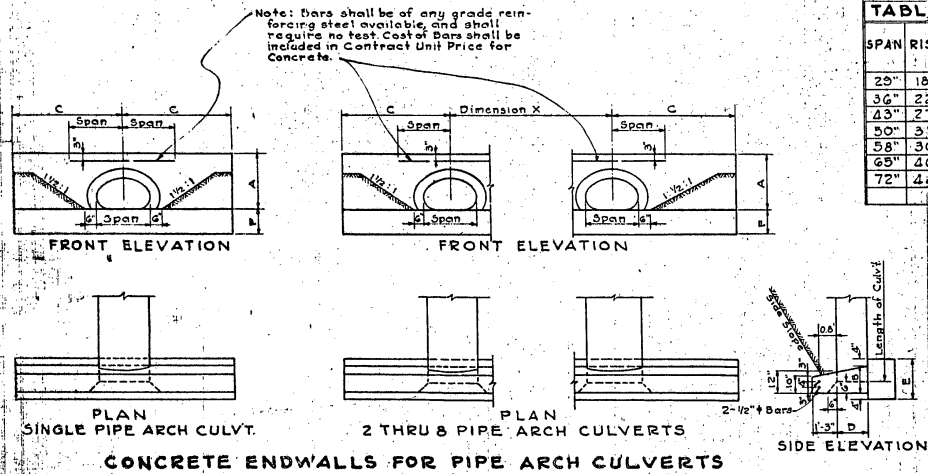
STATE ROAD DEPARTMENT OF FLORIDA ROADWAY PLANS DEPARTMENT					
MISCELLANEOUS ROADWAY CONSTRUCTION DETAILS					
REVISORS	ROAD NO.	COUNTY	PROJECT NO.		
Date Description	Name	Date	Reviewed by	For Approved By	Capacity of Road Width
5-25 1968					
5-26 1968					
5-28 1968					
5-29 1968					
5-30 1968					
5-31 1968					
6-1 1968					
6-2 1968					
6-3 1968					
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6-99 1968					
6-100 1968					

TABLE OF CONSTRUCTION DATA AND ESTIMATED QUANTITIES FOR ROUND PIPE CULVERTS

CONSTRUCTION DATA								QUANTITIES IN ONE ENDWALL - CU YDS. OF CONCRETE																								
D	AREA OF OPENING - SQ. FT.							DIMENSIONS						ONE PIPE CULVT		TWO PIPE CULVT		THREE PIPE CULVT		FOUR PIPE CULVT		FIVE PIPE CULVT		SIX PIPE CULVT		SEVEN PIPE CULVT		D				
	1 PIPE	2 PIPES	3 PIPES	4 PIPES	5 PIPES	6 PIPES	7 PIPES	X	A	B	C	E	F	CONC. PIPE	C.I. PIPE	CONC. PIPE	C.I. PIPE	CONC. PIPE	C.I. PIPE	CONC. PIPE	C.I. PIPE	CONC. PIPE	C.I. PIPE	CONC. PIPE	C.I. PIPE	CONC. PIPE	C.I. PIPE		CONC. PIPE	C.I. PIPE		
12"	0.79	1.57	2.36	3.14	3.93	4.72	5.51	2'-4"	2'-3"	1'-2"	4'-3"	1'-10"	1'-0"	1.23	1.24	1.23	1.53	1.55	1.55	1.81	1.85	1.84	2.11	2.16	2.15							12"
15"	1.23	2.45	3.68	4.91	6.14	7.37	8.60	2'-7"	2'-6"	1'-2"	4'-9"	1'-10"	1'-2"	1.55	1.56	1.56	1.91	1.94	1.93	2.26	2.31	2.30	2.62	2.69	2.68							15"
18"	1.77	3.53	5.30	7.07	8.84	10.61	12.38	2'-10"	2'-9"	1'-3"	5'-3"	1'-11"	1'-3"	1.92	1.95	1.94	2.35	2.40	2.39	2.79	2.87	2.85	3.22	3.32	3.30							18"
24"	3.14	6.28	9.42	12.57	15.71	18.85	21.99	3'-5"	3'-3"	1'-4"	6'-3"	2'-0"	1'-4"	2.65	2.70	2.69	3.23	3.32	3.30	3.80	3.93	3.89	4.38	4.55	4.50							24"
30"	4.91	9.82	14.73	19.64	24.55	29.46	34.37	4'-3"	3'-9"	1'-6"	7'-3"	2'-2"	1'-6"	3.75	3.83	3.81	4.62	4.77	4.73	5.47	5.69	5.63	6.33	6.62	6.54							30"
36"	7.07	14.14	21.21	28.27	35.34	42.41	49.48	5'-1"	4'-3"	1'-8"	8'-3"	2'-4"	1'-8"	5.11	5.22	5.19	6.31	6.53	6.47	7.50	7.83	7.75	8.71	9.15	9.04							36"
42"	9.62	19.24	28.86	38.48	48.10	57.72	67.34	6'-0"	4'-9"	1'-10"	9'-3"	2'-6"	2'-0"	7.03	7.19	7.15	8.81	9.13	9.05	10.60	11.08	10.96	12.38	13.02	12.86							42"
48"	12.57	25.13	37.70	50.27	62.84	75.41	87.98	6'-9"	5'-3"	2'-1"	10'-3"	2'-9"	2'-0"	8.95	9.18	9.12	11.20	11.65	11.54	13.44	14.14	13.97	15.69	16.62	16.39							48"
54"	15.50	31.81	47.71	63.62	79.52	95.42	121.32	7'-8"	5'-9"	2'-6"	11'-3"	3'-2"	2'-3"	12.71			16.23			19.77			23.29								54"	
27"	3.98							3'-10"	3'-6"	1'-5"	6'-9"	2'-1"	1'-5"	3.18																		27"
21"	2.41	4.81	7.22	9.64	12.03	14.43	16.84	3'-2"	3'-0"	1'-4"	5'-9"	2'-0"	1'-4"	2.86																		21"



CONCRETE ENDWALLS FOR ROUND PIPE CULVERTS



CONCRETE ENDWALLS FOR PIPE ARCH CULVERTS

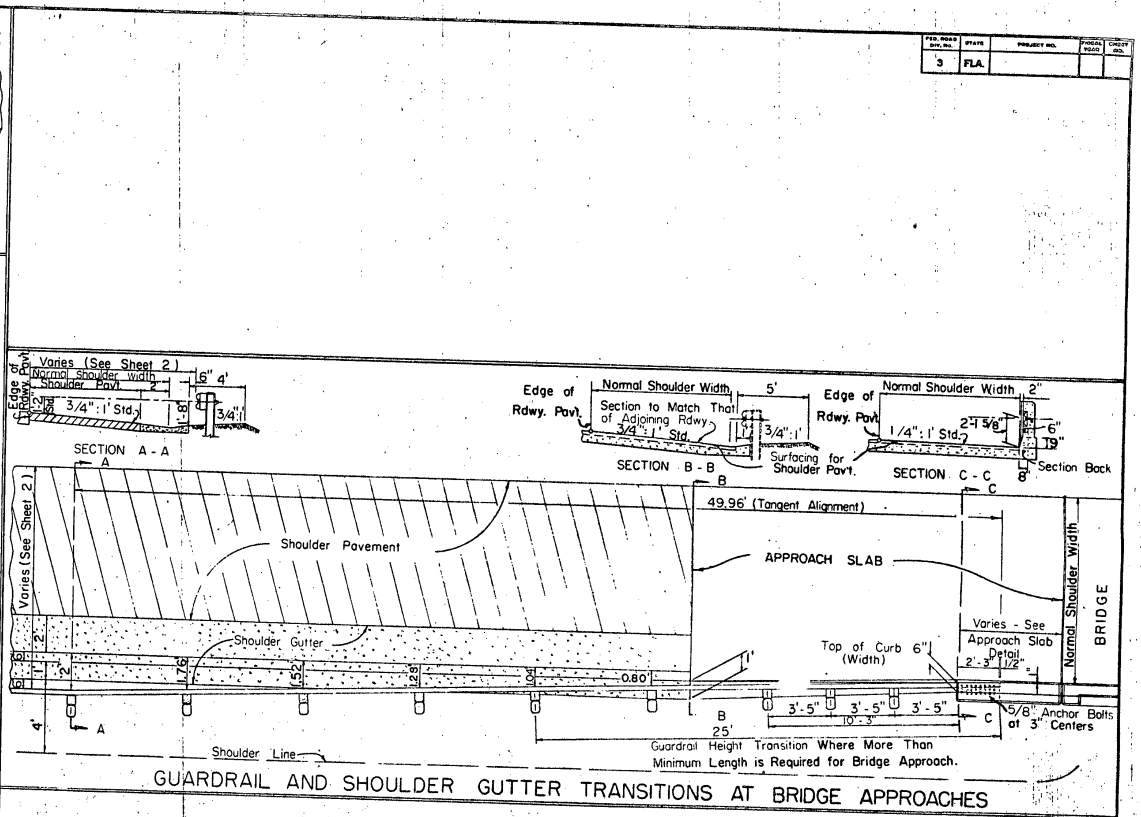
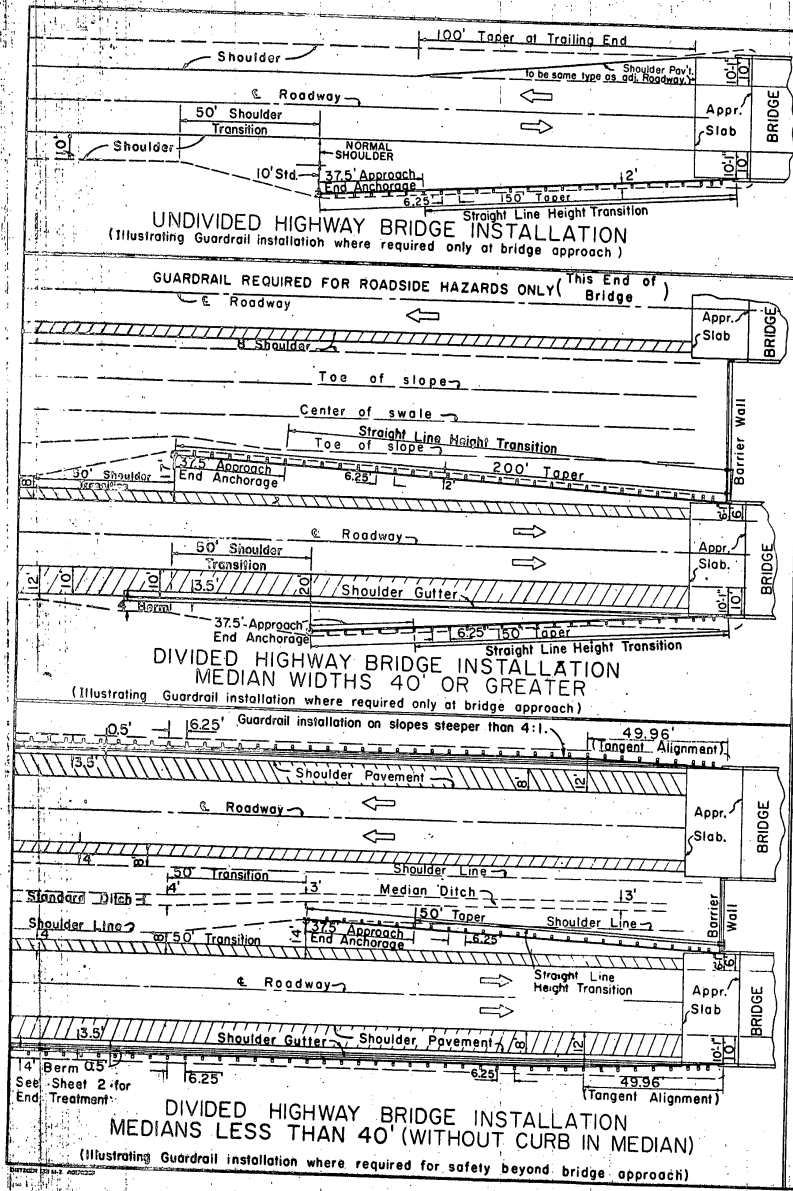
TABLE OF CONSTRUCTION DATA AND ESTIMATED QUANTITIES FOR PIPE ARCH CULVERTS																													
SPAN RISE		CONSTRUCTION DATA							QUANTITIES IN ONE ENDWALL - CU YDS. OF CONCRETE										SPAN RISE										
		AREA OF OPENING - SQUARE FT.							DIMENSIONS																				
SPAN	RISE	1 PIPE	2 PIPES	3 PIPES	4 PIPES	5 PIPES	6 PIPES	A	B	C	E	F	X	1 PIPE	2 PIPES	3 PIPES	4 PIPES	5 PIPES	6 PIPES	7 PIPES	8 PIPES	9 PIPES	10 PIPES	11 PIPES	12 PIPES	13 PIPES	14 PIPES	15 PIPES	16 PIPES
		29"	18"	2.8	5.6	8.4	11.2	14.0	16.8	19.6	22.4	2'-8"	1'-3"	5'-1"	1'-11"	1'-3"	3'-9"	1.81	2.34	2.86	3.39	3.92	4.45	4.97	5.50	2.9"	18"		
36"	22"	4.3	8.6	12.9	17.2	21.5	25.8	30.1	34.4	3'-0"	1'-4"	5'-8"	2'-0"	1'-4"	4'-0"	2.27	2.99	3.65	4.33	5.01	5.70	6.39	7.07	3.6"	22"				
43"	27"	5.9	11.8	17.7	23.6	29.5	35.4	41.3	47.2	3'-4"	1'-5"	6'-4"	2'-1"	1'-5"	4'-9"	2.92	3.85	4.78	5.72	6.65	7.58	8.52	9.45	4.3"	27"				
50"	31"	8.4	16.8	25.2	33.6	42.0	50.4	58.8	67.2	3'-9"	1'-6"	7'-1"	2'-2"	1'-6"	5'-6"	3.56	4.73	5.89	7.05	8.22	9.38	10.55	11.70	5.0"	31"				
58"	36"	10.6	21.2	31.8	42.4	53.0	63.6	74.2	84.8	4'-1"	1'-7"	7'-9"	2'-5"	1'-7"	6'-4"	4.29	5.73	7.16	8.60	10.04	11.47	12.90	14.34	5.8"	36"				
65"	40"	13.2	26.4	39.6	52.8	66.0	79.2	92.4	105.6	4'-5"	1'-8"	8'-5"	2'-4"	1'-8"	7'-1"	5.12	6.88	8.64	10.39	12.15	13.91	15.66	17.42	6.5"	40"				
72"	44"	16.8	33.6	50.4	67.2	84.0	100.8	117.6	134.4	4'-11"	1'-10"	9'-4"	2'-6"	2'-0"	7'-10"	6.09	8.34	10.59	12.84	15.09	17.34	19.59	21.84	7.2"	44"				

STATE OF FLORIDA
STATE ROAD DEPARTMENT
STANDARD ENDWALLS FOR PIPE CULVERTS

ROAD NO.	COUNTY	SECTION	JOB NO.

REVISIONS		Name	Date	Approved by
BA3	9-51	Retraced		
BA3	2-61	21" Pipe Added		
		Drawn by	C.H.J.	4-48
		Checked by	A.F.F.	4-48
		Quantity by	C.H.J.	4-48
		Checked by	A.F.F.	4-48
		Traced by	C.E.S.	4-48

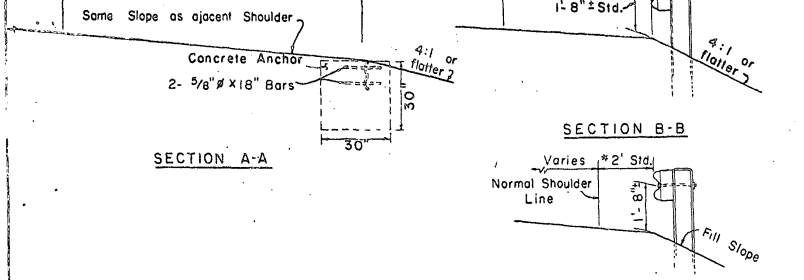
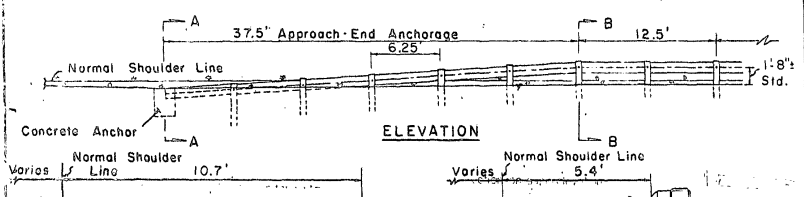
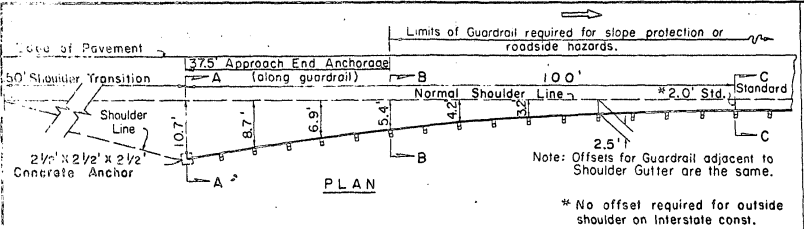
Drawing No. 1091
Scale 1/4" = 1'-0"
1454B



GUARDRAIL AND SHOULDER GUTTER TRANSITIONS AT BRIDGE APPROACHES

PLAN NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.
3	FLA.			

STATE ROAD DEPARTMENT OF FLORIDA ROADWAY PLANS DEPARTMENT				
GUARDRAIL CONSTRUCTION				
REVISIONS		ROAD NO.	COUNTY	PROJECT NO.
1	4/28/68 Shoulder and G.C.B. Height Transition			
Checked by	G.C.B.	Date	Mar. 68	Recommended For Approval by
Designed by				Approved by
Checked by				
Traced by				Change No. 1 of 4 2300-N



APPROACH-END PLACEMENT

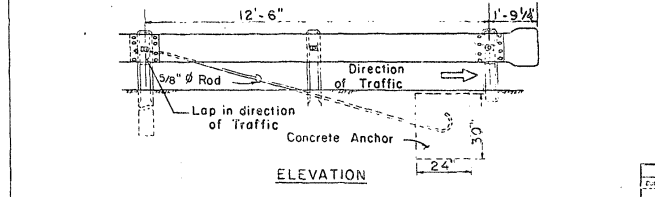
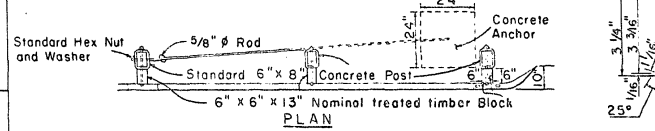
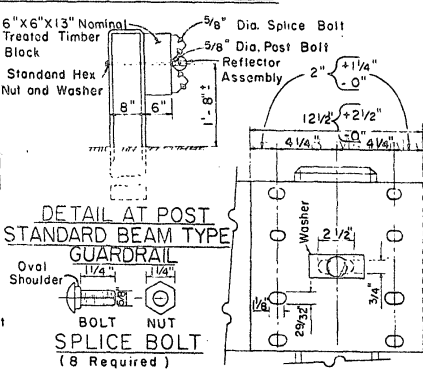
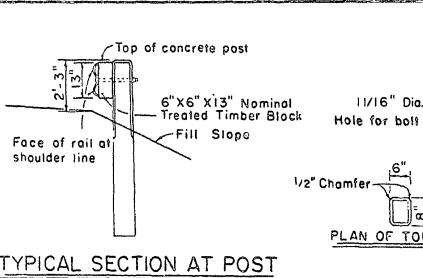
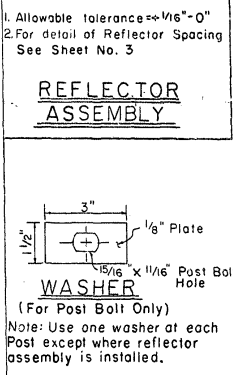
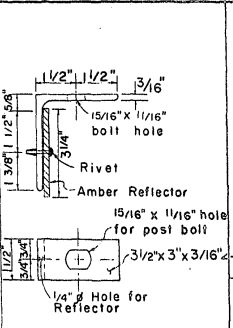
Roadway Pavement	Normal Shoulder Width	Minimum Shoulder Widening Required at Guardrail Installations
Interstate	12'	0'
Outside Shoulder		
Ramps	6' Min.	2'
Primary	8'	2'
Secondary		
Interstate - 8'		2'
Median Shoulder		

Standard Shoulder Slope

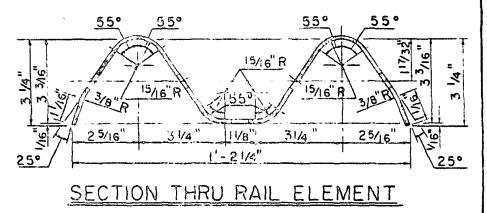
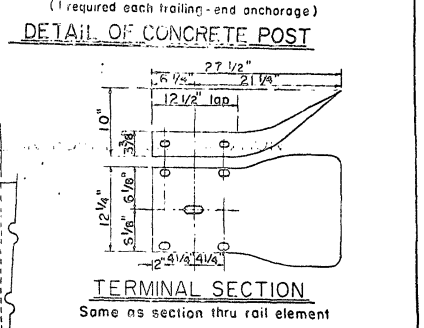
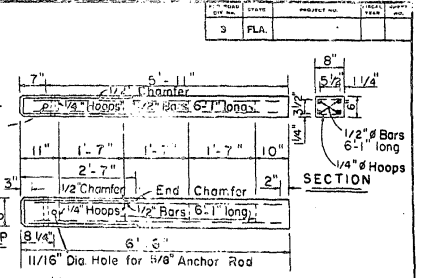
Front Slope

At some hazardous locations it may be desirable to install guardrail on the slope. Refer to plans for locations. Flare is not required when guardrail is installed on slope.

DETAIL OF SHOULDER WIDENING WHERE GUARDRAIL IS INSTALLED

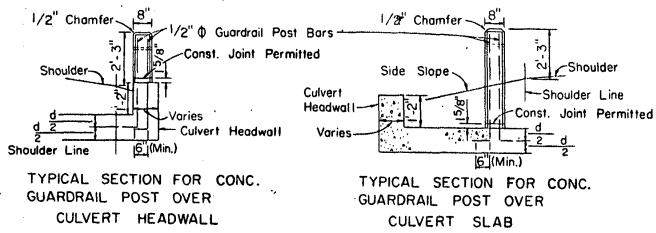


TRAILING - END ANCHORAGE



STANDARD BEAM TYPE GUARDRAIL

STATE ROAD DEPARTMENT OF FLORIDA ROADWAY PLANS DEPARTMENT			
GUARDRAIL CONSTRUCTION			
REVISIONS	SCALE	COUNTY	PROJECT NO.
1. Issue	As Shown		
APPROVED BY: [Signature]			
Date: 10/68			
Change No. 2 of 4 12300-N			

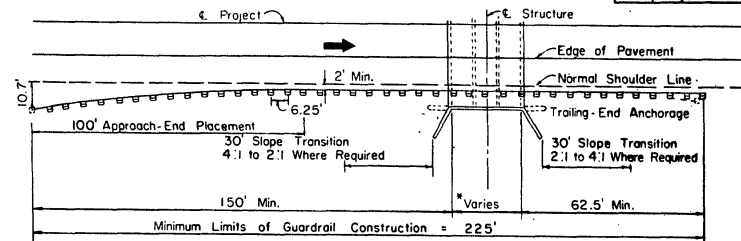


TYPICAL SECTION FOR CONC. GUARDRAIL POST OVER CULVERT HEADWALL

TYPICAL SECTION FOR CONC. GUARDRAIL POST OVER CULVERT SLAB

NOTES:

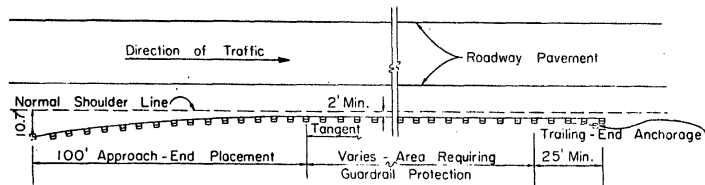
1. Details not shown are to conform to other construction details indicated in these standard plans.
2. The rail plate at locations of these special posts is to parallel the centerline of the Project for the full length of each separate installation.
3. The grade elevation of the center of the guardrail plate is to be 1'-8" above theoretical shoulder grade.



NOTE: See Sheets 2 and 4 for Additional Details.

* This Length to Equal Culvert Span Increased to the Nearest Standard Guardrail Panel Length.

STANDARD GUARDRAIL INSTALLATION FOR CULVERTS WHEN ENDWALLS ARE LESS THAN 30' FROM TRAVEL LANE

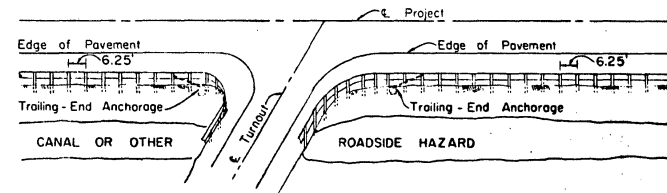


ROADSIDE HAZARD INSTALLATION - NO STRUCTURES

NOTE: Guardrail required if hazard is less than 30' from edge of Roadway

EXAMPLES: Post Protection for Overhead Signs
Protection for Lighting Posts
Roadside Canals
Protection for Trees etc.
Protection for Endwalls at Crossdrains

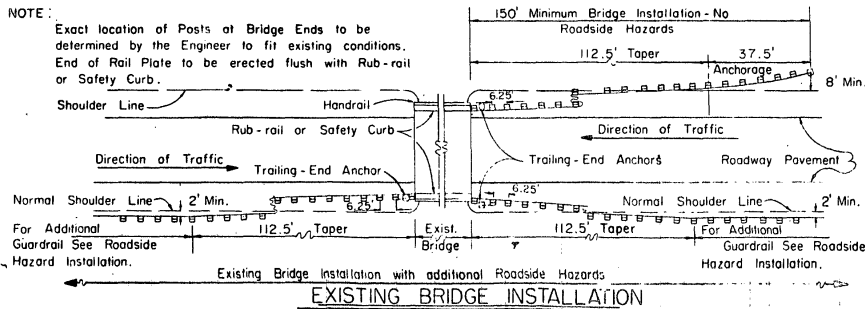
NOTE: See Sheets 2 and 4 for Additional Details.



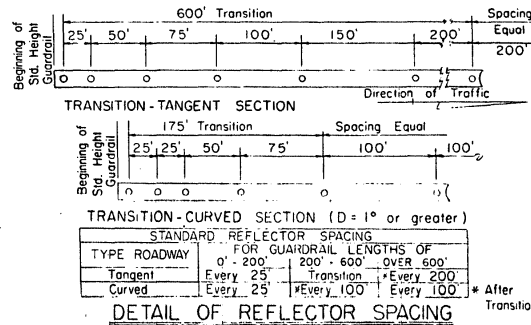
DETAIL OF GUARDRAIL AT TURNOUTS

NOTE:

Exact location of Posts at Bridge Ends to be determined by the Engineer to fit existing conditions. End of Rail Plate to be erected flush with Rub-rail or Safety Curb.



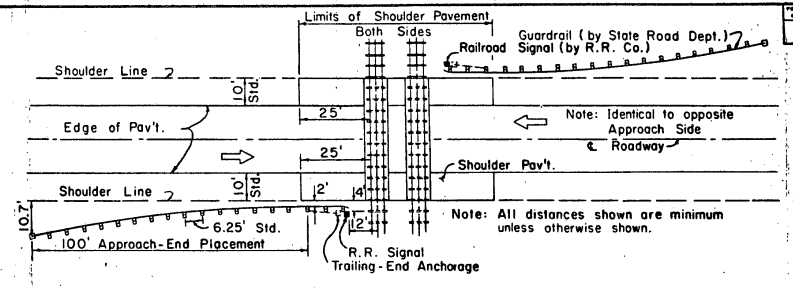
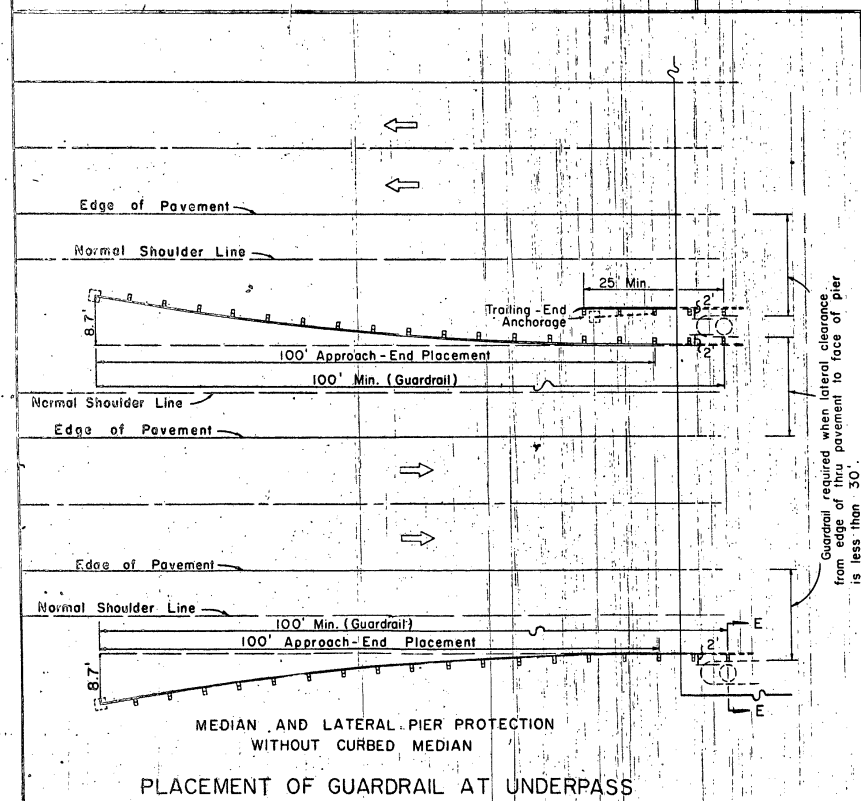
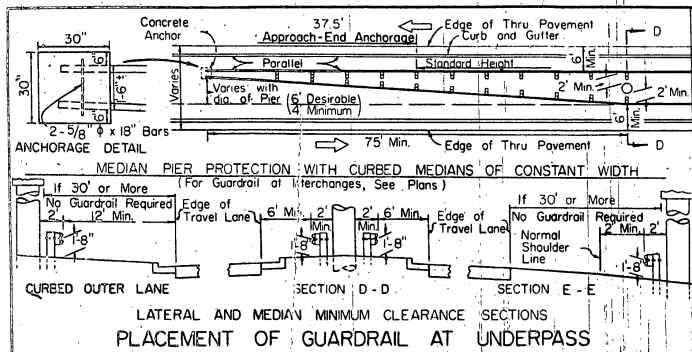
EXISTING BRIDGE INSTALLATION



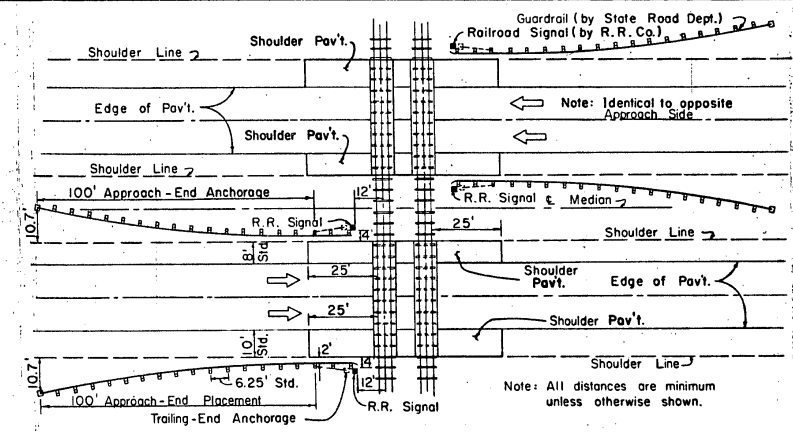
DETAIL OF REFLECTOR SPACING

1. A transition in the reflector spacing will be required when the guardrail length exceeds 200'.
2. Minor adjustment may be required in the reflector spacing to fit the exact guardrail lengths. These modifications will be determined by the Engineer during construction.

STANDARD BEAM TYPE GUARDRAIL			
STATE ROAD DEPARTMENT OF FLORIDA ROADWAY PLANS DEPARTMENT			
GUARDRAIL CONSTRUCTION			
REVISIONS	ROAD NO.	COUNTY	PROJECT NO.
Date	Description	Revised	Approved
		Checked by G.C.B.	Date Mar 68
		Designed by	
		Checked by	
		Drawn by	
		Checked by	
		Scale	30' = 1" 4 12300 N



GUARDRAIL PLACEMENT AT RAILROAD CROSSING (2-LANE DESIGN)



GUARDRAIL PLACEMENT AT RAILROAD CROSSING (4-LANE DESIGN)

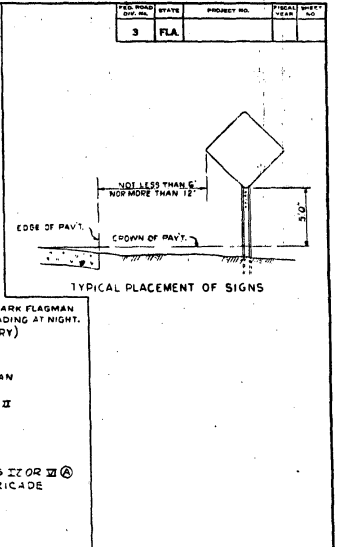
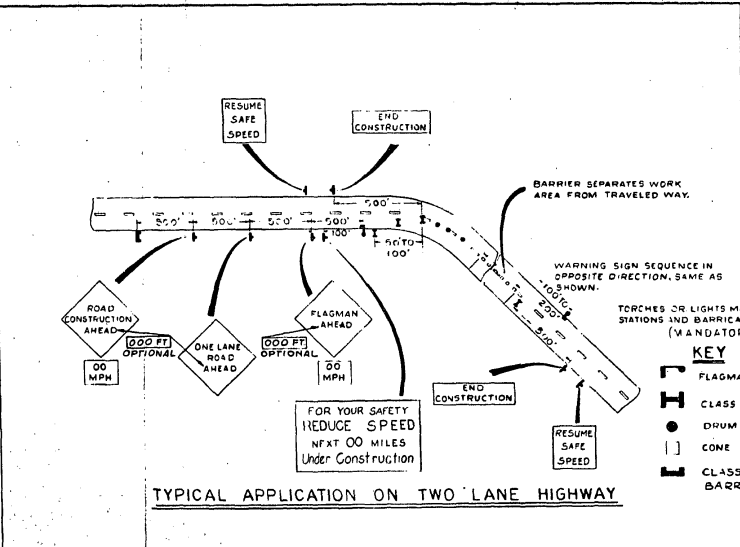
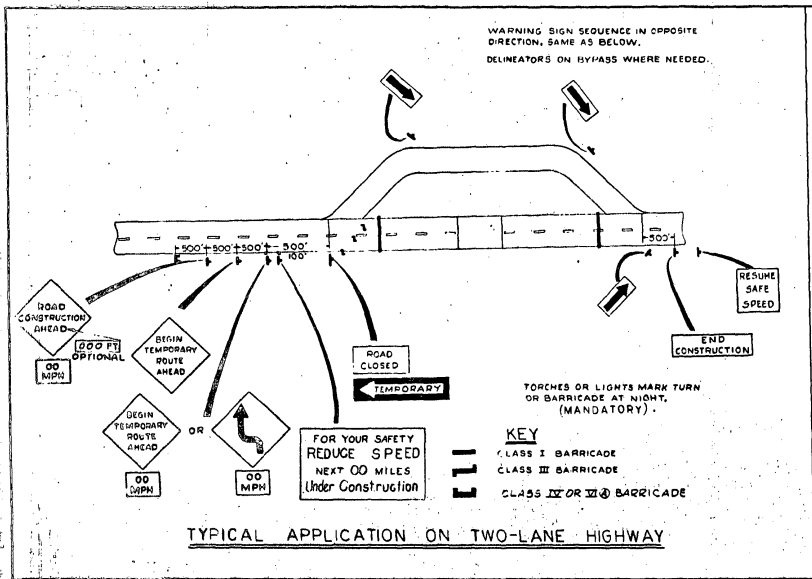
~ GENERAL NOTES ~

- The illustrated limits for Guardrail installation are minimum requirements. The Engineer shall determine if additional Guardrail is necessary for safety.
- In addition to the hazardous locations indicated in this drawing, Guardrail will be required at all fills steeper than 4:1.
- 5/8" ϕ Anchor Rod, Washer and Nuts for Trailing End Anchorage shall be Galvanized with minimum of 3 ounces per sq. ft.
- Undressed timber will be permitted for 6" x 6" x 13" nominal treated timber block. A 5" x 6" x 13" nominal treated timber block will be permitted as an alternate.
- Where Guardrail is constructed for street barricade no anchorage or blocks will be required. End panels will be required.
- Post spacing shall be 6.25' except at the bridge anchorage. (See detail on sheet No. 1 of 4)

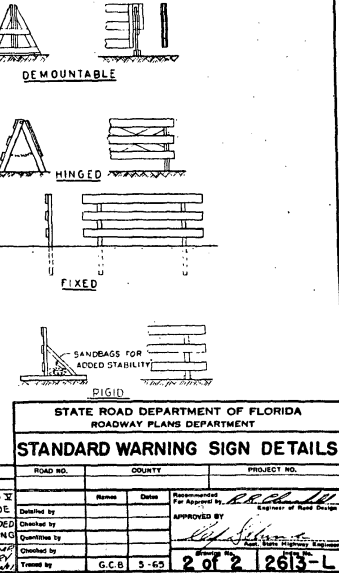
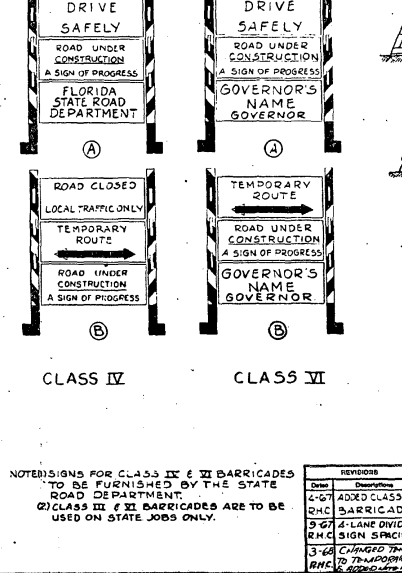
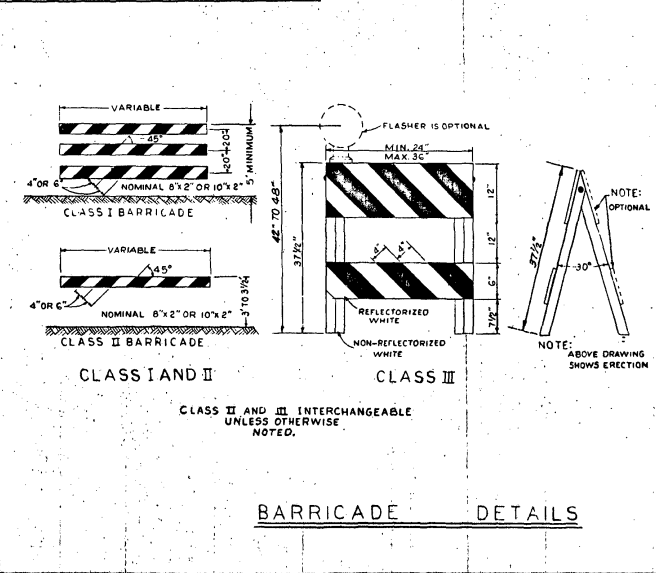
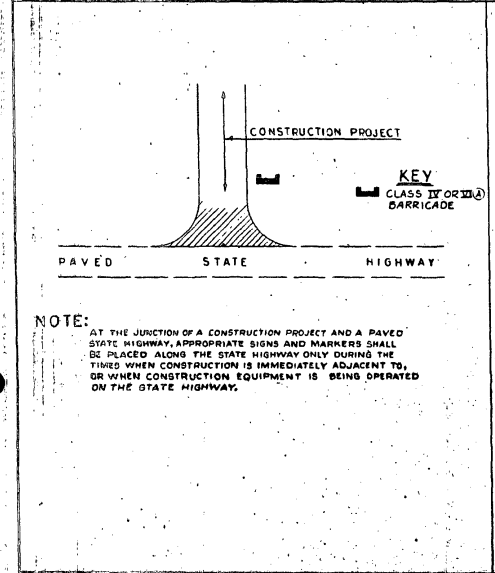
STANDARD BEAM TYPE GUARDRAIL

STATE ROAD DEPARTMENT OF FLORIDA ROADWAY PLANS DEPARTMENT			
GUARDRAIL CONSTRUCTION			
REVISIONS	ROAD NO.	COUNTY	PROJECT NO.
Date: Mar. Br. Apprs. and 68 gen. revisions			
Drawn by: G.C.B.	Checked by:	Date: Mar 68	Recommended by:
Checked by:			
Checked by:			

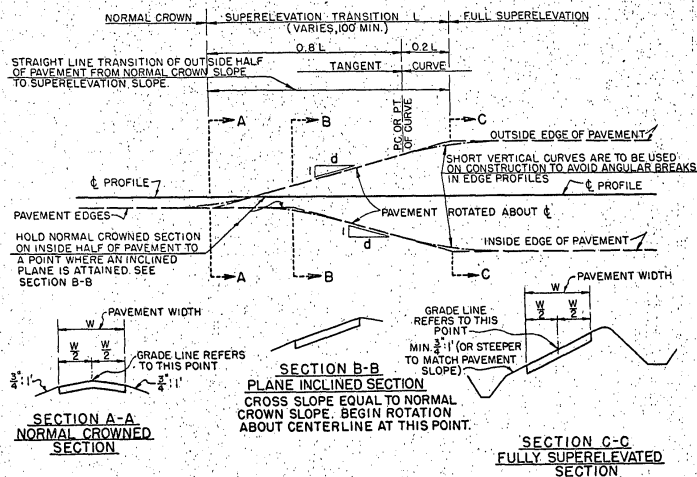
REV. NO.	DATE	PROJECT NO.	SHEET NO.
3	FLA.		



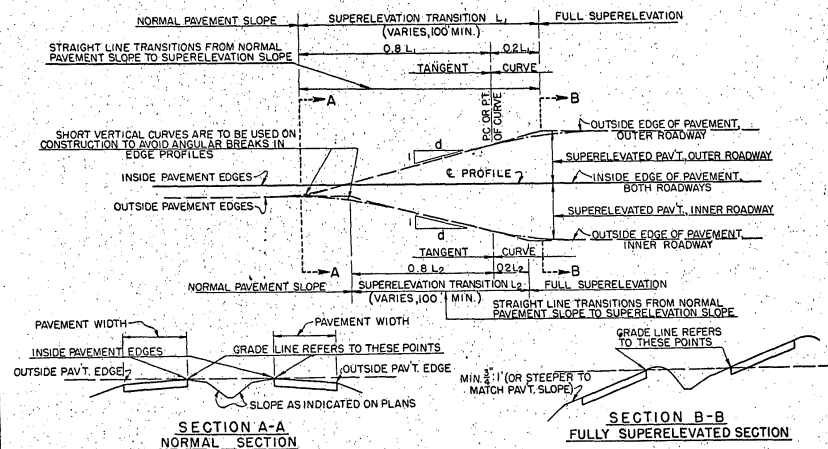
FED. ROAD DIV. NO.	STATE	PROJECT NO.	SHEET NO.
3	FLA.		



NOTES: SIGNS FOR CLASS II & III BARRICADES TO BE FURNISHED BY THE STATE ROAD DEPARTMENT.
CLASS III & IV BARRICADES ARE TO BE USED ON STATE JOBS ONLY.

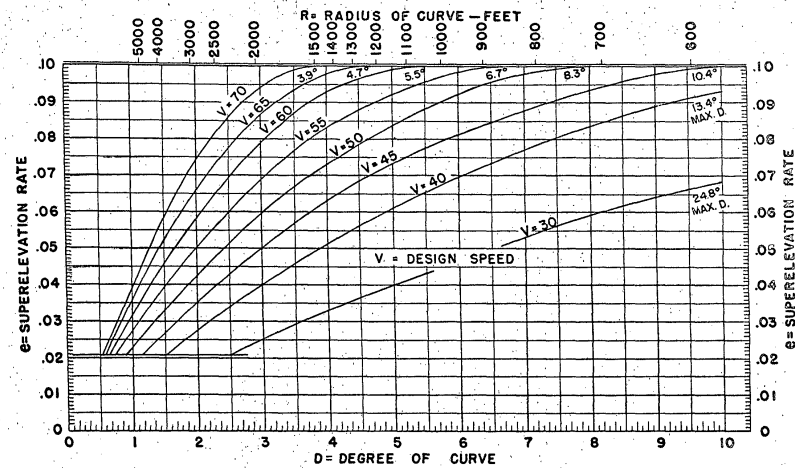


2-LANE OR 4-LANE PAVEMENT, NO MEDIAN

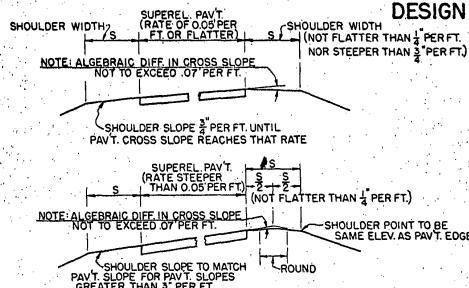


**4-LANE PAVEMENT WITH MEDIAN
DETAIL OF TRANSITION FROM NORMAL CROWNED SECTION TO SUPERELEVATED SECTION**

THESE TRANSITION DETAILS ARE TO APPLY IN ALL CASES, EXCEPT AT CURVES OF INSUFFICIENT LENGTH, INSUFFICIENT TANGENT LENGTH BETWEEN CURVES, P.C.'S OR P.R.C.'S, IN WHICH CASE THE DETAILS OF THE TRANSITIONS ARE TO BE INCLUDED IN THE DETAIL PLANS.



DESIGN SUPERELEVATION RATES e_{MAX} = 0.10



DETAILS OF SHOULDER CONSTRUCTION WITH SUPERELEVATION

(NOTES)
[SHOULDER ON HIGH SIDE] A SHOULDER SLOPE OF 1/4\"/>

GENERAL NOTES FOR SUPERELEVATION

1. USE NORMAL SECTION WITH NO SUPERELEVATION FOR CURVES UP TO 0'-20.10'-14\"/>

SLOPE RATIOS FOR SUPERELEVATION TRANSITIONS			
DESIGN SPEED, M.P.H.	45-50	55-60	65-70
1: d	1:200	1:225	1:250

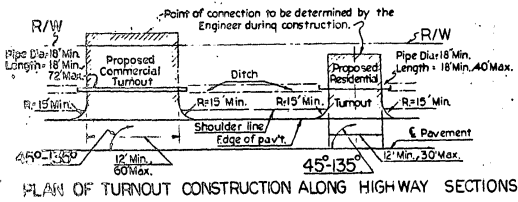
STATE ROAD DEPARTMENT OF FLORIDA ROADWAY PLANS DEPARTMENT			
SUPERELEVATION DETAILS			
REVISED	ROAD NO.	COUNTY	PROJECT NO.
Date: 5-58 R.M.			
Checked by:	Names:	Date:	Prepared by: <i>A. Regalado</i>
Checked by:	Checked by:	Checked by:	APPROVED BY: <i>[Signature]</i>
Checked by:	Checked by:	Checked by:	State Highway Engineer
Checked by:	Checked by:	Checked by:	Sheet No. 1 OF 1 5010-G

0-67 ADDED NOTE N.F.S.
 R.M.C.
 1-67 REVISED S.E.
 M.J.T. CHART

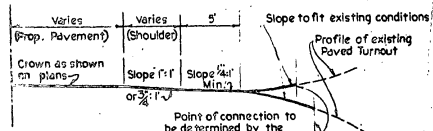
5-56
 L.H.
 5-55
 h.f.u.

5-56
 REV. TO CONFORM TO AASHTO
 Rev. for 1/2
 Cross Slope

PLAN NO.	DATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
3	PLA			

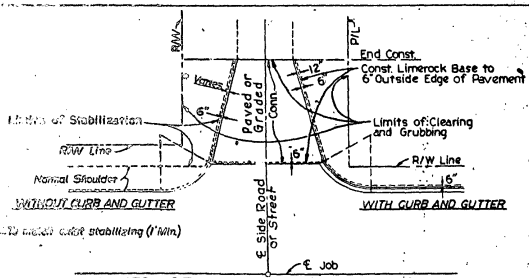


PLAN OF TURNOUT CONSTRUCTION ALONG HIGHWAY SECTIONS



STANDARD PROFILE FOR TURNOUTS

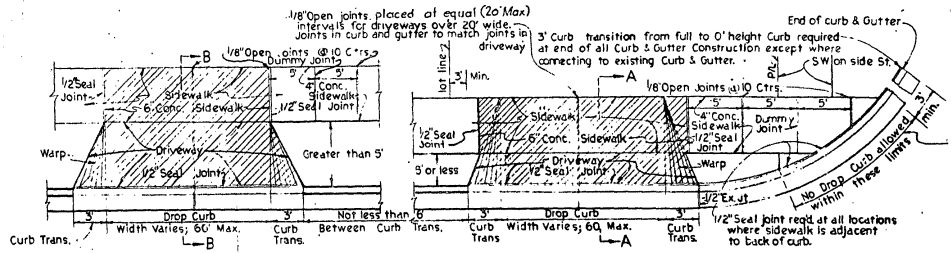
DETAILS OF TURNOUT CONSTRUCTION TO PRIVATE PROPERTY



LIMITS OF CLEARING & GRUBBING AND STABILIZING AT INTERSECTIONS

GENERAL STABILIZING NOTES

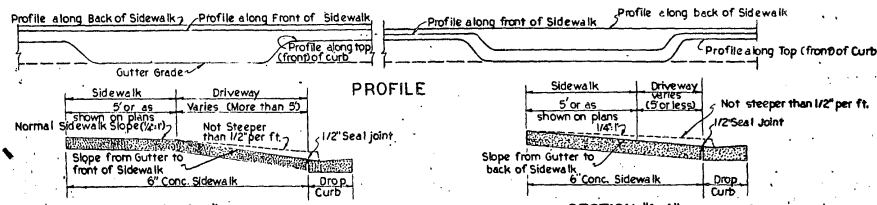
- No Stabilizing will be required for Paved Turnouts to Private Property.
- Stable Material may be required for Unpaved Turnouts to Private Property as directed by the Engineer in accordance with Section 102-6 of the Standard Specifications.



WHEN DISTANCE BETWEEN CURB & SIDEWALK IS GREATER THAN 5' WHEN DISTANCE BETWEEN CURB & SIDEWALK IS 5' OR LESS

PLAN

NOTE: For detail of Seal Joint, See Index No. 5080. For detail of Drop Curb, See Index No. 5080.



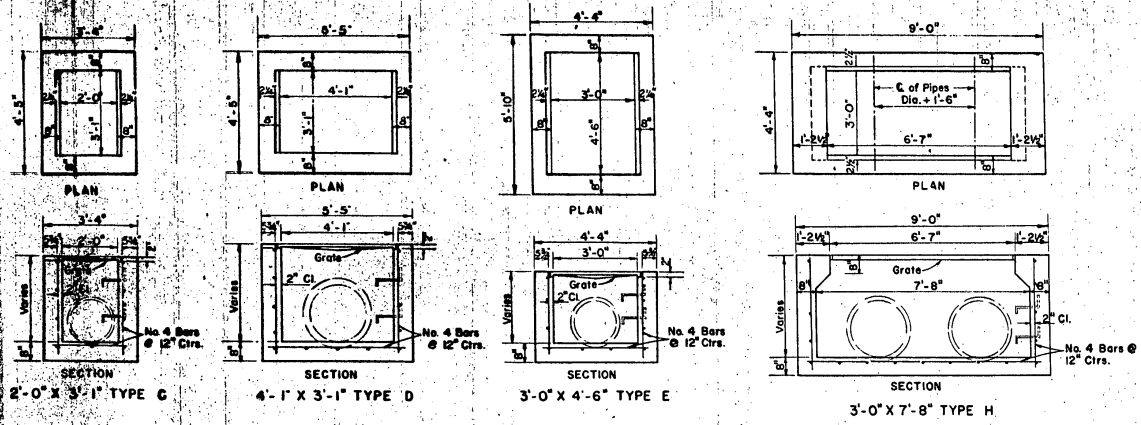
SECTION "B-B" SECTION "A-A" DETAIL OF SIDEWALK AND PAVED DRIVEWAY CONSTRUCTION

GENERAL NOTES

- No driveways, turnouts, or side drains are to be constructed without compensation for materials from the owner except for replacement of driveways, turnouts, and/or side drains existing at the time of beginning of construction of the project and if desired by the owner, and at all other locations where the need becomes evident prior to completion of the construction. All new or reconstructed driveways, turnouts, and side drains must conform to the size limits indicated above.
- In a rural section where the abutting property owner desires installation of Turnouts, the Department will allow the construction of a maximum of two 60 foot Turnouts, to any business establishment or parcel of property, with a minimum of 25 feet of space between them.
- In Urban areas, there will be permitted to any business establishment or parcel of property, two turnouts of a maximum of 60 feet each, separated by a minimum of 6 feet of curbing, but curbing shall be required around all corners.
- In both urban and rural areas, wherever dual driveways are allowed, that portion of the Right-of-Way between the drives and outside the pavement limits of the highway shall be maintained as a "No-Parking Area" and shall be suitably outlined by such fences, hedges, curbs, or other obstructions as are safe and effective.

STATE ROAD DEPARTMENT OF FLORIDA ROADWAY PLANS DEPARTMENT				
TURNOUT DETAILS				
REVISIONS	ROAD NO.	COUNTY	PROJECT NO.	
Date: 1-18-60 Description: Combined Job R.N.C. 1-18-60 (See This Drawing)			Checked by: R.H.C. Date: 1-60 Approved by: C.D. Durrant Checked by: [Signature] Date: [Date] Traced by: C.H.R. Date: 1-60	PROJECT NO.: 1071 SHEET NO.: 5016-B

FLA.	STATE	PROJECT NO.	PROJECT DATE
3	FLA.		

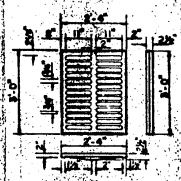


SECTION
2'-0" X 3'-1" TYPE C

SECTION
4'-1" X 3'-1" TYPE D

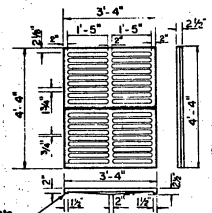
SECTION
3'-0" X 4'-6" TYPE E

SECTION
3'-0" X 7'-8" TYPE H

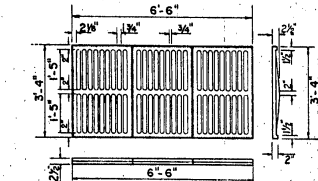


TYPE C
Approx. Weight 235 Lbs.

NOTE
Type D inlet to be used only when openings are required in wide side of inlet. Cast Iron Grate not permitted.

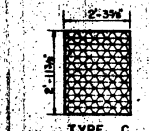


TYPE E
Approx. Weight 465 Lbs.

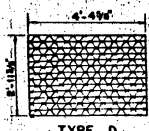


TYPE H
Approx. Weight 725 Lbs.

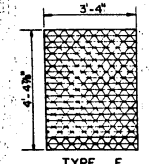
For detail of Grate see lower Right
DETAILS OF CAST IRON GRATING



TYPE G
Straight Bars 2" X 3/8"
Reticuline Bars 1 1/4" X 3/8"
Approx. Weight 100 Lbs.



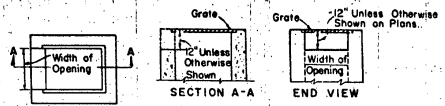
TYPE D
Straight Bars 2" X 3/8"
Reticuline Bars 1 1/4" X 3/8"
Approx. Weight 180 Lbs.



TYPE E
Straight Bars 2" X 3/8"
Reticuline Bars 1 1/4" X 3/8"
Approx. Weight 215 Lbs.

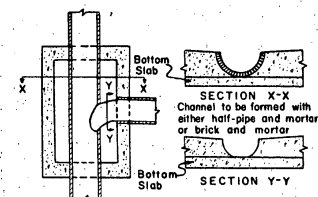
DETAILS OF STEEL GRATING

GENERAL NOTES:
BEVELED EDGES: All exposed corners and edges to be chamfered 3/4".
FOUNDATION MATERIAL: Where material unsatisfactory for foundation is encountered at FL. EL. omit floor and carry walls down to satisfactory foundation. Backfill to FL. with clear sand.
CAST IRON: In accordance with Florida State Road Department Specifications.
STEEL DECKING: Manufactured by Borden, Florida Steel, Irving, Reliance, Greulich (or equal).

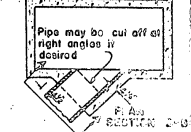
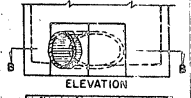
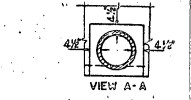


NOTE
Opening may be constructed at either end or at both ends as shown on Plans.

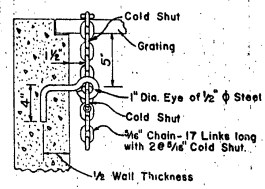
DETAIL OF OPENINGS IN DITCH BOTTOM INLETS



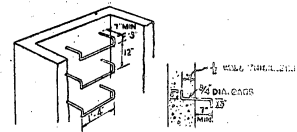
DETAIL OF BOTTOM CONSTRUCTION WHEN INLET SERVES AS MANHOLE



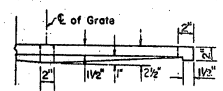
DETAIL PIPE COLLAR FOR USE WHEN PIPE MEETS BOX AT ANGLE



DETAIL OF EYE BOLT AND CHAIN FOR LOCKING GRATES TO INLETS



DETAIL OF LADDER BARS
Use for bar heights over 10"

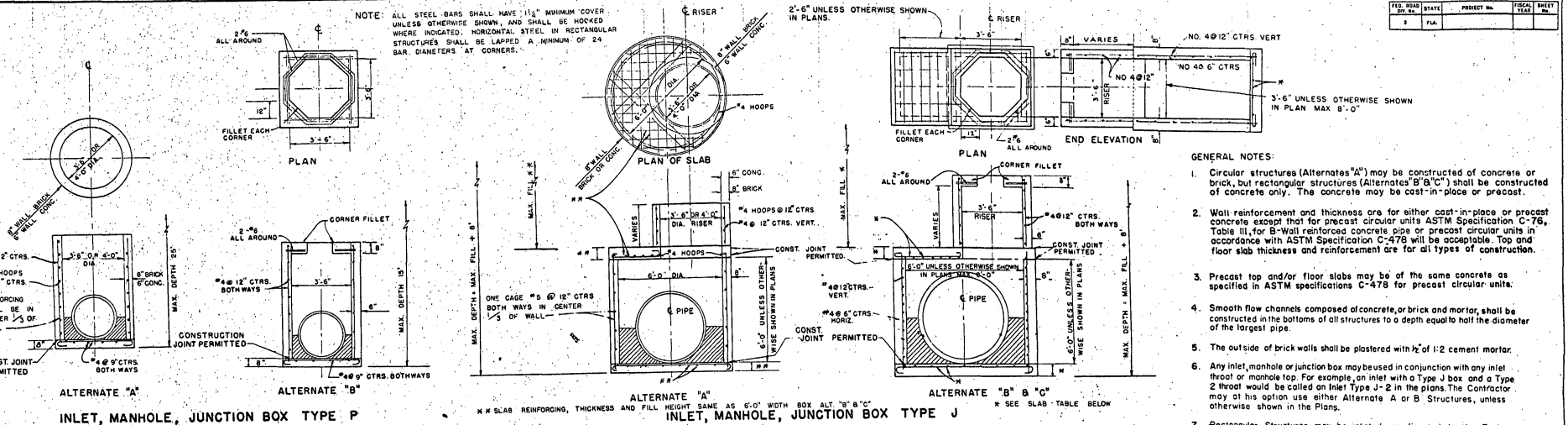


HALF SECTION DETAIL OF CAST IRON GRATES

STATE ROAD DEPARTMENT OF ROADWAY PLANS DEPARTMENT			
STANDARD DITCH BOTTOM INLET TYPES C, D, E, & H, AND SUPPLEMENTAL DETAILS			
REVISIONS	ROAD NO.	COUNTY	PROJECT NO.
Date	Description	Drawn by	Checked by
7-64	REV. THICKNESS OF D.R. CAST IRON GRATES		
9-65	Notes 3, 5, 6, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100		
4-67	REVISED		
4-67	LOCKING NOTE		

FED. ROAD DIST. NO.	STATE	PROJECT NO.	DESIGN YEAR
3	FLA.		

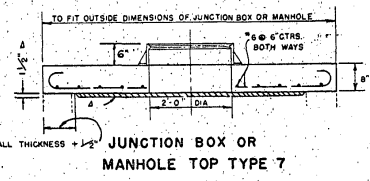
NOTE: ALL STEEL BARS SHALL HAVE 1/2" MINIMUM COVER UNLESS OTHERWISE SHOWN, AND SHALL BE HOKED WHERE INDICATED. HORIZONTAL STEEL IN RECTANGULAR STRUCTURES SHALL BE LAPPED A MINIMUM OF 24 BAR DIAMETERS AT CORNERS.



INLET, MANHOLE, JUNCTION BOX TYPE P

INLET, MANHOLE, JUNCTION BOX TYPE J

- GENERAL NOTES:**
- Circular structures (Alternates "A") may be constructed of concrete or brick, but rectangular structures (Alternates "B" & "C") shall be constructed of concrete only. The concrete may be cast-in-place or precast.
 - Wall reinforcement and thickness are for either cast-in-place or precast concrete except that for precast circular units ASTM Specification C-76, Table III for 8-Wall reinforced concrete pipe or precast circular units in accordance with ASTM Specification C-476 will be acceptable. Top and floor slab thickness and reinforcement are for all types of construction.
 - Precast top and/or floor slabs may be of the same concrete as specified in ASTM specifications C-476 for precast circular units.
 - Smooth flow channels composed of concrete, brick and mortar, shall be constructed in the bottoms of all structures to a depth equal to half the diameter of the largest pipe.
 - The outside of brick walls shall be plastered with 1/2" of 1:2 cement mortar.
 - Any inlet, manhole or junction box may be used in conjunction with any inlet throat or manhole top. For example, an inlet with a Type J box and a Type 2 throat would be called an Inlet Type J-2 in the Plans. The Contractor may of his option use either Alternate A or B Structures, unless otherwise shown in the Plans.
 - Rectangular Structures may be rotated as directed by the Engineer in order to Facilitate Connections between the Structure Walls and Storm Sewer Pipes.
 - The corner fillets shown for Rectangular Structures are necessary only when Structures are used in conjunction with Circular Inlet Throats (Types 1, 2, 3 & 4) or when used on skew with Rectangular Inlet Throats (Types 5 & 6).
 - Structures shall be secured to Inlet Throats, Risers or Manhole Tops with a minimum of 6 - No. 4 Bars 12" Long or as shown on the Sheet.
 - Mortar used to seat the pipe into the walls of the precast units will be of such a mix that shrinkage will not cause leakage into or out of the units.
 - Elliptical steel, ASTM Specification C-76, Table III, "B" Wall, is modified to use a circular cage of steel area equal to that of the elliptical cage and placed in the center one-third of the wall. This modification is for precast circular units produced in accordance with ASTM C-76.
 - Structures with depths over 14' are to be checked for flotation by designer of project drainage.

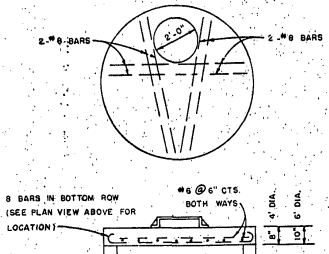


JUNCTION BOX OR MANHOLE TOP TYPE 7

FOR USE WHEN TOP SLAB IS NOT SUBJECTED TO WHEEL LOADS

NOTE: SLAB MAY BE PRECAST OR CAST-IN-PLACE REINFORCED CONCRETE OMIT FRAME AND SLAB OPENING WHEN TOP IS USED OVER JUNCTION BOX.

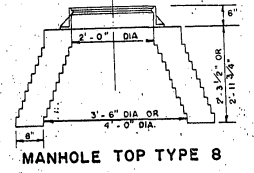
OPTIONAL KEY FOR PRECAST TOP FOR USE IN LIEU OF DOWELS. TO MATCH FINISH GRADE WITH FRAME COVER, FRAME MAY BE ADJUSTED WITH ONE OR MORE COURSES OF BRICK.



JUNCTION BOX OR MANHOLE TOP TYPE 7

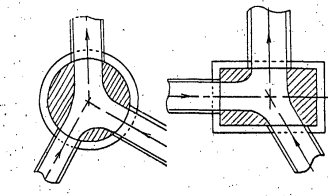
FOR USE WHEN TOP SLAB IS SUBJECTED TO WHEEL LOADS

TOP SLAB SHALL BE OF CLASS "A" CONCRETE ONLY.

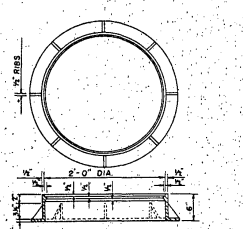


MANHOLE TOP TYPE 8

NOTE: DETAIL SHOWN IS FOR BRICK CONSTRUCTION. UNIT MAY BE OF PRECAST CONCRETE OR CAST-IN-PLACE CONCRETE CONSTRUCTION WITH WALL THICKNESS AND STEEL SAME AS USED FOR SUPPORTING UNIT WALL. ECCENTRIC CONE MAY BE USED.

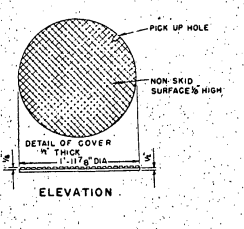


DETAIL OF CHANNELIZATION



DETAIL OF FRAME

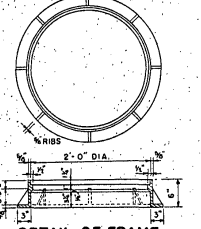
USE THIS FRAME AND COVER WHEN MANHOLE WALL NOT BE SUBJECTED TO WHEEL LOADS



DETAIL OF COVER

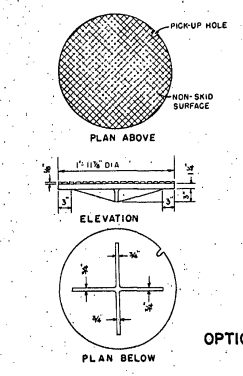
PICK UP HOLE

NON-SKID SURFACE 1/4" HIGH

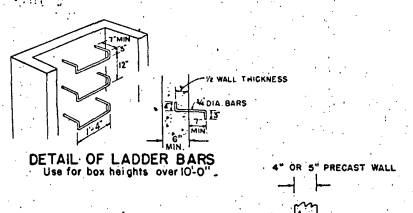


DETAIL OF FRAME

USE THIS FRAME AND COVER WHEN MANHOLE WILL BE SUBJECTED TO WHEEL LOADS

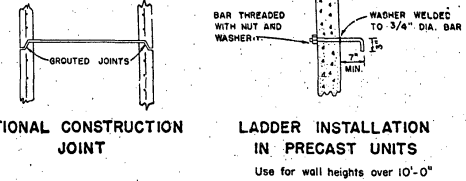


OPTIONAL CONSTRUCTION JOINT



DETAIL OF LADDER BARS

Use for box heights over 10'-0"



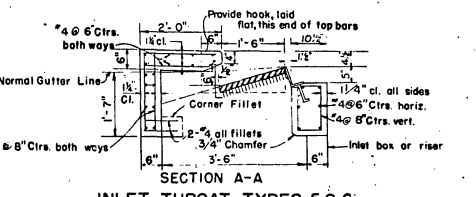
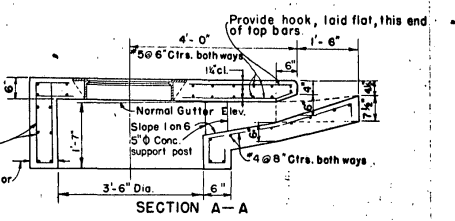
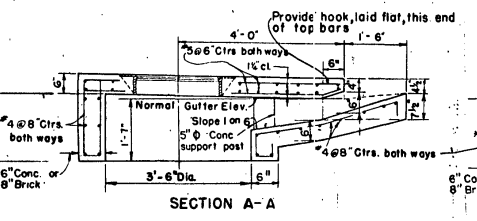
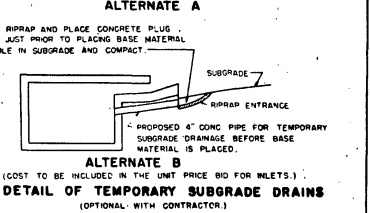
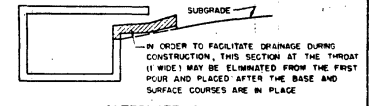
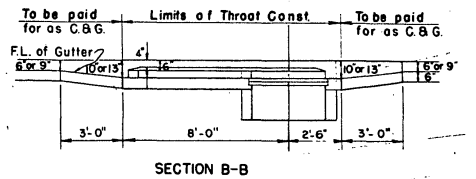
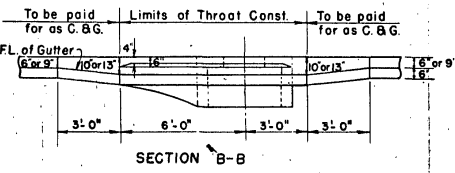
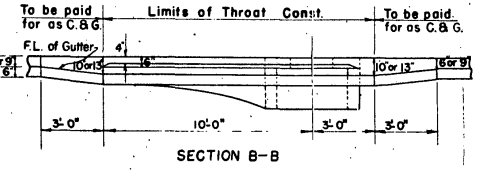
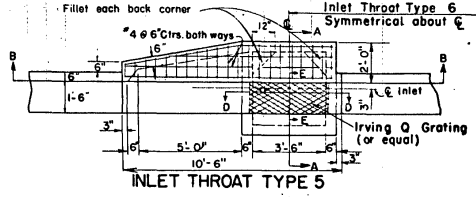
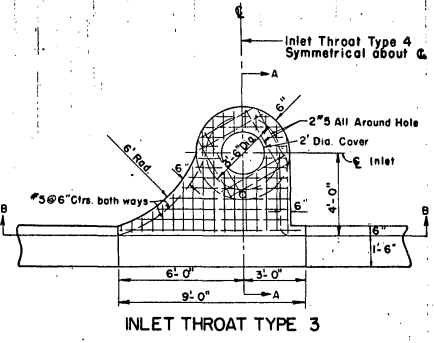
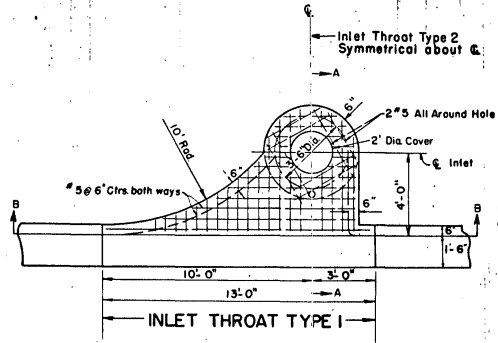
LADDER INSTALLATION IN PRECAST UNITS

Use for wall heights over 10'-0"

BOX WIDTH	TYPE J ALT. "B" - N.S. CONCRETE		TYPE J ALT. "C" - CLASS "A" CONC.	
	SLAB THICKNESS OVER TOP SLAB	ALLOWABLE FILL REIN. IN TOP & BOTTOM SLABS	SLAB THICKNESS	ALLOWABLE FILL REIN. IN TOP & BOTTOM SLABS
3'-6"	8"	MIN - MAX 2' TO 20'	8"	MIN - MAX 2' TO 20'
5'-0"	8"	2' TO 11'	8"	2' TO 25'
5'-0"	10"	2' TO 18'	10"	2' TO 27'
6'-0"	8"	3' TO 7'	8"	2' TO 20'
6'-0"	10"	2' TO 14'	10"	2' TO 25'
8'-0"	10"	2' TO 11'	10"	2' TO 11'

STATE ROAD DEPARTMENT OF FLORIDA ROADWAY PLANS DEPARTMENT				
INLET, MANHOLE, AND JUNCTION BOX TYPES P AND J				
REVISIONS	ROAD NO.	COUNTY	PROJECT NO.	
Date: 7-25-64 Description: Detail of Manhole Top Type 8 Drawn by: H. G. H. Checked by: C. J. S. Scale: 1/8" = 1'-0"				APPROVED BY: <i>[Signature]</i> Engineer of Road Design
Date: 8-2-64 Description: Detail of Junction Box Type 7 Drawn by: C. J. S. Checked by: C. J. S. Scale: 1/8" = 1'-0"				APPROVED BY: <i>[Signature]</i> Engineer of Road Design
Date: 8-2-64 Description: Detail of Manhole Top Type 7 Drawn by: C. J. S. Checked by: C. J. S. Scale: 1/8" = 1'-0"				APPROVED BY: <i>[Signature]</i> Engineer of Road Design
Drawn by: <i>[Signature]</i> Checked by: <i>[Signature]</i> Traced by: <i>[Signature]</i>				Drawing No. OF 2 Sheet: 5047-D

FIG. 5007	REV. 1-64	REV. 3-64	REV. 11-64
1	2	3	4



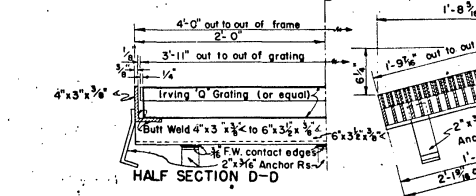
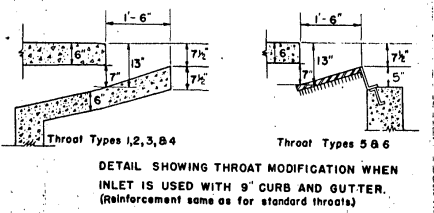
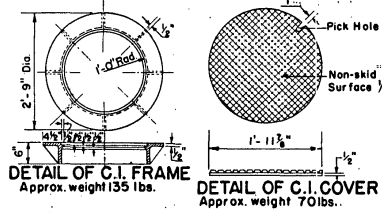
INLET THROAT TYPES 1 & 2

INLET THROAT TYPES 3 & 4

INLET THROAT TYPES 5 & 6

* The back wall portion of throat may be constructed with brick when the inlet is constructed with brick. Dowels to top slab required.

Note: All steel in throats shall have 1/2" minimum cover unless otherwise shown. Inlet throats shall be either cast in place or precast concrete.

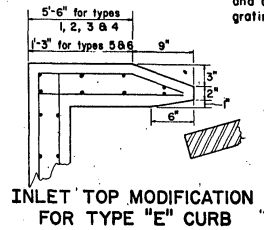


- GENERAL NOTES:
- The finished grade and slope of the inlet tops are to conform with the finished cross slope and grade of the proposed sidewalk and/or parkway.
 - When inlets are to be constructed on a curve, refer to the plans to determine the radius and, where necessary, modify the inlet details accordingly. Bend steel when necessary.
 - The corner fillets shown for rectangular throats (Type 5 and 6) are necessary only when throats are used in conjunction with circular inlet boxes or when used on skew with rectangular inlet boxes.

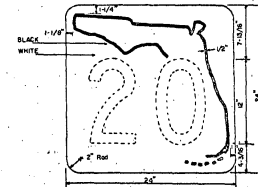
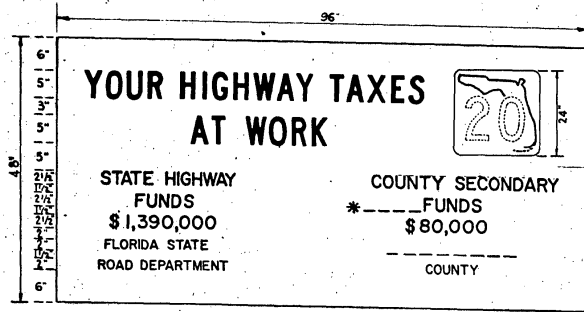
Reticuline Bars 1 1/2" x 1/2" - 7" rivet centers (flush top)
End Bands 1 1/2" x 1/2" - to project as shown
Bearing Bars 3/4" x 1/2" - 1" center to center

IRVING TYPE Q GRATING OR EQUAL

DETAILS OF FRAME AND IRVING TYPE Q GRATING
Note: Any grating with opening widths not less than 5/8" nor more than 1" and capable of supporting H-15 loads may be substituted for the Irving grating at the option of the Contractor.



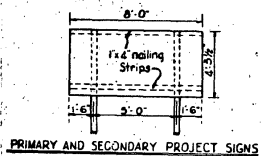
STATE ROAD DEPARTMENT OF FLORIDA ROADWAY PLANS DEPARTMENT				
INLET THROAT TYPES 1, 2, 3, 4, 5 & 6				
REVISIONS	ROAD NO.	COUNTY	PROJECT NO.	
Date: 1/16 Description: Add Mod for 9" x 9" Curbs R.R.L. (No. 3188)			Name: H.O.N. Date: 11-64	Prepared by: R.R.L. Approved by: [Signature]
Checked by: C.J.S.			Date: 11-64	APPROVED BY: [Signature]
Checked by:				
Checked by:				
Drawn by: O.R.			Date: 11-64	Scale: 1" = 6"
			Sheet No. 2 OF 2	5047-D



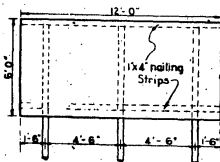
STATE JOB SIGNS

DETAILS STATE ROAD MARKER

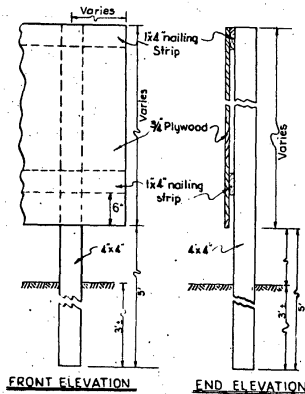
* CONSTRUCTION OR RIGHT OF WAY



PRIMARY AND SECONDARY PROJECT SIGNS



INTERSTATE PROJECT SIGN



FRONT ELEVATION

END ELEVATION

CONSTRUCTION DETAILS FOR INFORMATIONAL SIGNS

LOCATION OF SIGN PLACEMENT

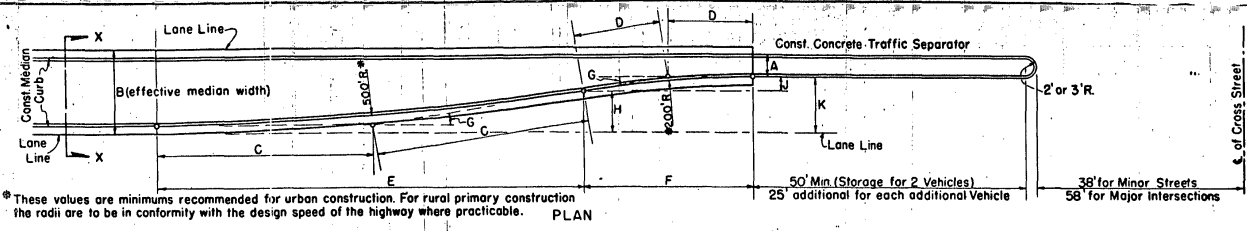
CONDITIONS	REQUIREMENTS
Sections on new location which at points closely approach existing roads or highways in such close proximity that the construction becomes visible from the adjacent roads or highways	Required at all points of approach to roads or highways with appreciable traffic volumes.
Sections on new locations which cross roads or highways	Required at all road or highway crossings with appreciable traffic volumes.
Sections in urban areas crossing streets, highways, or roads	Required at all crossings with appreciable traffic volumes.
Sections on existing location	Required at beginning and end of the work and at all other locations meeting other designated requirements.

NOTES

- The required signs will be placed in locations as indicated hereon. The exact placement, approved by the Engineer, will be such that the effectiveness of all warning or regulatory signs will not be impaired.
- The Project Cost will be the Contract Cost rounded to the nearest \$1,000.
- The signs should be erected at the start of evident sizable activity such as grading, paving, structures, major demolition, etc.
- No highway names or information other than that illustrated may be indicated on these signs.
- On Interstate Projects the standard three-color Interstate shield with route number shall be used.
- The legend shall be black and the background white. The signs will not be reflectorized or lighted.
- The cost of furnishing, erecting, maintaining and removing the informational signs is to be included in the overall bid.
- The signs shall be located and oriented in such manner as to be visible to traffic approaching the work, or in cases of parallel roads, visible to passing traffic.
- The legend regarding Federal Funds may read like any of the following: FEDERAL FUNDS, FEDERAL TRUST FUNDS or FEDERAL EMERGENCY RELIEF FUNDS, as directed by the Engineer.

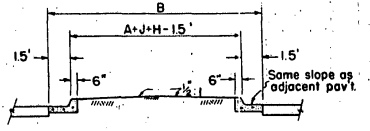
STATE ROAD DEPARTMENT OF FLORIDA ROADWAY PLANS DEPARTMENT INFORMATIONAL SIGNS

REVISIONS	ROAD NO.	COUNTY	PROJECT NO.
Date: _____ Description: _____ Prepared by: _____ Checked by: _____ Quantity by: _____ Traced by: _____	_____	_____	_____
APPROVED BY: _____ Engineer at Large	_____	_____	_____
APPROVED BY: _____ Asst. State Highway Engineer	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

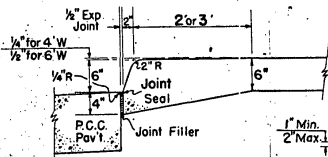
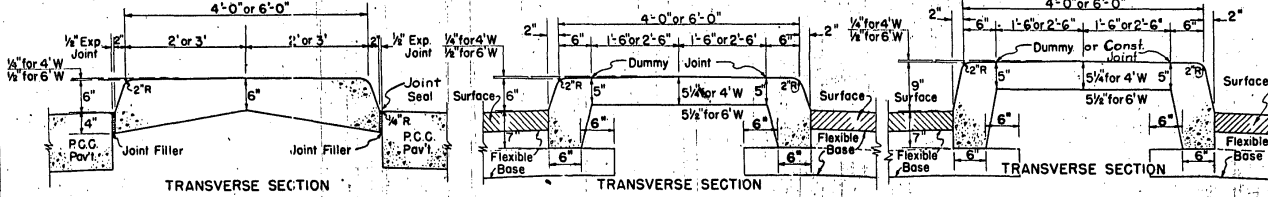


These values are minimums recommended for urban construction. For rural primary construction the radii are to be in conformity with the design speed of the highway where practicable.

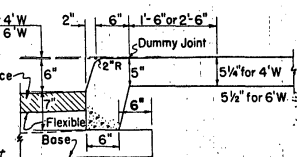
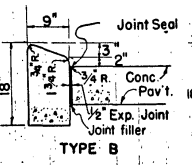
A	B	C	D	E	F	G	H	J	K
4'	15.5'	39.08'	15.63'	77.68'	31.07'	8'56"16"	7.57'	2.43'	10'
4'	17.5'	43.47'	17.39'	86.28'	34.51'	9'56"11"	9.00'	3.00'	12'
6'	17.5'	39.08'	15.63'	77.68'	31.07'	8'56"16"	7.57'	2.43'	10'
6'	19.5'	43.47'	17.39'	86.28'	34.51'	9'56"11"	9.00'	3.00'	12'



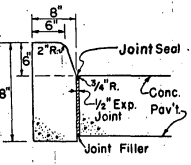
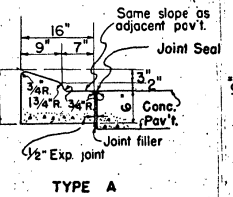
DETAILS OF MEDIAN LANES



DETAIL OF DUMMY JOINT

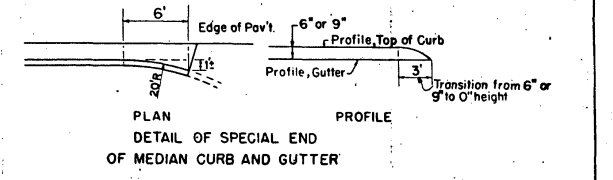
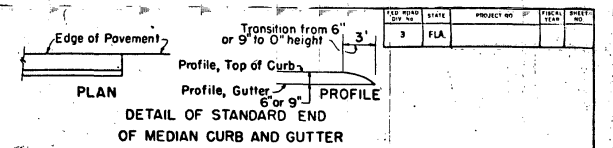
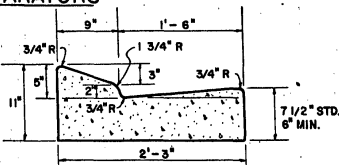


DETAILS OF CONCRETE CURBS

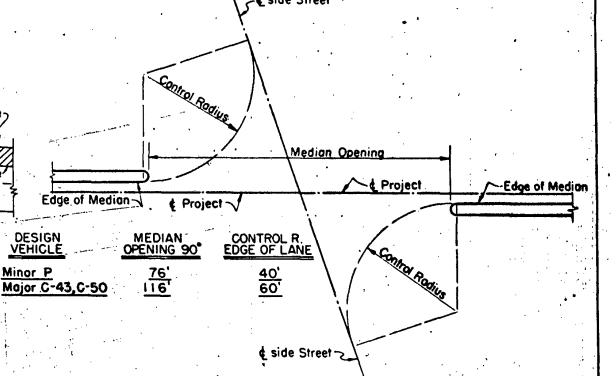


DETAIL OF TYPE E CURB AND GUTTER

NOTE: WHEN USED ON HIGH SIDE OF ROADWAYS, THE CROSS SLOPE OF THE GUTTER SHALL MATCH THE CROSS SLOPE OF THE ADJACENT PAVEMENT, UNLESS OTHERWISE DETAILED ON THE PLANS.



DETAIL OF MEDIAN CURB AND GUTTER ENDINGS



For Types III, IV and V Traffic Separators, Construct 1/2" Expansion Joints at 30' Centers with 1/2" Open Joints Centered Between Expansion Joints.
For All Median Channelizing and Barrier Curbs, Provide 1/2" Open Joints at 10' Centers.

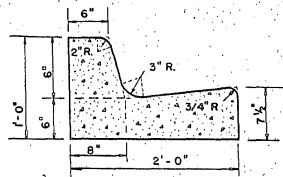
STATE ROAD DEPARTMENT OF FLORIDA
ROADWAY PLANS DEPARTMENT
CURB, CURB AND GUTTER AND TRAFFIC SEPARATOR

REVISIONS	ROAD NO.	COUNTY	PROJECT NO.
Date: 5-6-61 Description: 1/2" Steel to 1/4" Steel			
Date: 11-13-61 Description: Added Detail of Curb & Flexible Base			
Date: 8-1-61 Description: SH. 1, MINOR ST.			
Date: 10-6-61 Description: Added Sheet 2			

Drawn by	Checked by	Traced by	Reviewed by	Approved by
L.H.	C.D.D.			

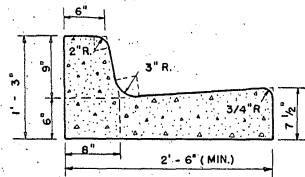
1 of 2 5080-B

RD. NO.	BRIDGE	PROJECT NO.	FOCAL YEAR	SHEET NO.
3	FLA			



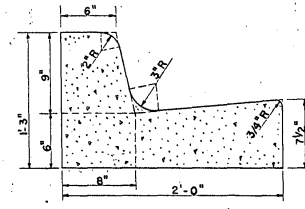
CONC. CURB & GUTTER (6" Curb, 1.5' Gutter)

NOTE: WHEN USED ON HIGH SIDE OF ROADWAYS, THE CROSS SLOPE OF THE GUTTER SHALL MATCH THE CROSS SLOPE OF THE ADJACENT PAVEMENT, UNLESS OTHERWISE DETAILED ON THE PLANS.



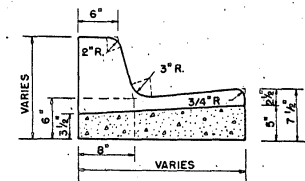
CONC. CURB & GUTTER (9" Curb, 2.0' Gutter)

NOTE: WHEN USED ON HIGH SIDE OF ROADWAYS, THE CROSS SLOPE OF THE GUTTER SHALL MATCH THE CROSS SLOPE OF THE ADJACENT PAVEMENT, UNLESS OTHERWISE DETAILED ON THE PLANS.



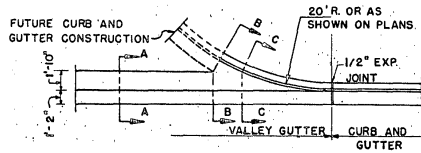
CONC. CURB & GUTTER (9" Curb, 1.5' Gutter)

NOTE: WHEN USED ON HIGH SIDE OF ROADWAYS, THE CROSS SLOPE OF THE GUTTER SHALL MATCH THE CROSS SLOPE OF THE ADJACENT PAVEMENT, UNLESS OTHERWISE DETAILED ON THE PLANS.

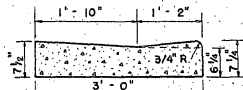


DETAIL OF CONTRACTION JOINT IN CURB OR GUTTER. JOINTS 10' CENTER TO CENTER (MAXIMUM)

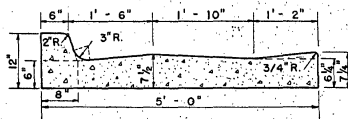
NOTE: JOINTS (IN CURB AND GUTTER AND PAVEMENT) ARE TO MATCH WHERE CURB AND GUTTER IS ADJACENT TO P.C.C. PAVEMENT.



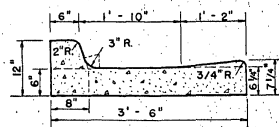
PLAN



SECTION A - A

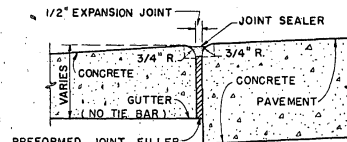


SECTION B - B



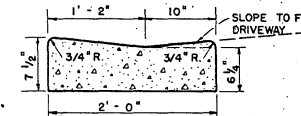
SECTION C - C

DETAIL OF VALLEY GUTTER

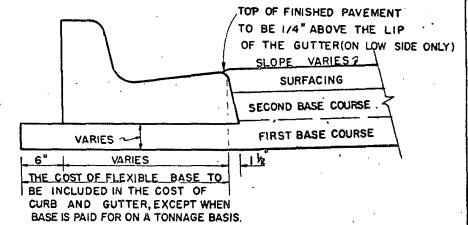


DETAIL OF EXPANSION JOINT BETWEEN GUTTER AND CONCRETE PAVEMENT

NOTE: ALL CURB AND GUTTER DETAILS ARE SHOWN FOR CONSTRUCTION ADJACENT TO CONCRETE PAVEMENT, UNLESS OTHERWISE NOTED.

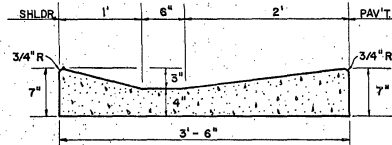


DETAIL OF DROP CURB

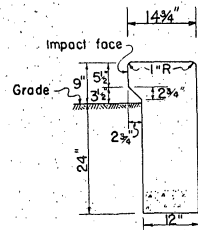


DETAIL OF CONSTRUCTION OF CURB AND GUTTER ADJACENT TO FLEXIBLE PAVEMENT

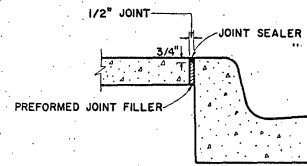
- NOTE:
- (1) WHEN CURB AND GUTTER, VALLEY GUTTER, AND DROP CURB ARE CONSTRUCTED ADJACENT TO FLEXIBLE BASE, THE FACE AT THE LIP OF THE GUTTER SHALL BE SLOPED AS SHOWN IN THIS DETAIL.
 - (2) THAT PORTION OF THE FIRST BASE COURSE FROM THE EDGE OF ROADWAY TO 6" INSIDE OF SEPARATOR WALL (AS SHOWN ON SHEET 1) SHALL BE INCLUDED IN THE COST OF TRAFFIC SEPARATOR, EXCEPT WHEN BASE IS PAID FOR ON A TONNAGE BASIS.



DETAIL OF SHOULDER GUTTER



DETAIL OF BARRIER CURB



DETAIL OF SEAL JOINT

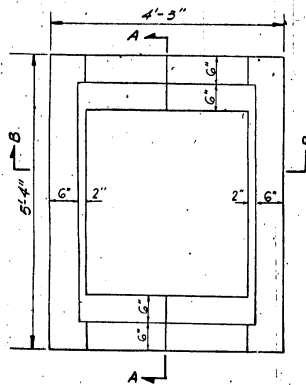
NOTE: JOINT SEALER MAY BE ELIMINATED AND JOINT FILLER CONSTRUCTED FLUSH WITH TOP AT THE OPTION OF THE ENGINEER.

STATE ROAD DEPARTMENT OF FLORIDA
ROADWAY PLANS DEPARTMENT
CURB, CURB AND GUTTER AND TRAFFIC SEPARATOR

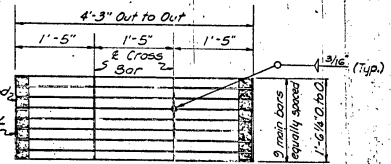
REV.	DESCRIPTION	DATE	BY	APPROVED BY
3/68	Added School RHC No 2		RHC	
			R.L.O.	

ROAD NO.	COUNTY	PROJECT NO.
DATE	SCALE	SHEET NO.
3/68		2 of 2
5/68		5080-B

File No.	State	Project No.	Sheet	Total
3	FLA.			



PLAN
(WITHOUT GRATE)

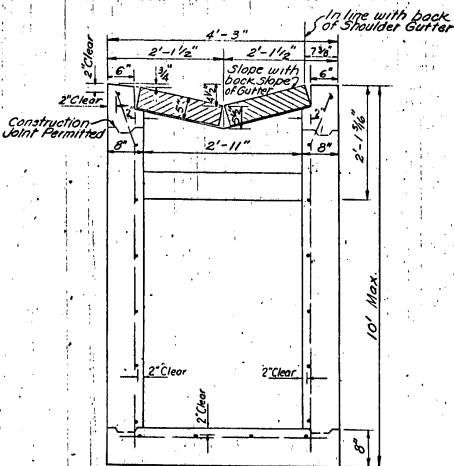


STEEL GRATING DETAIL

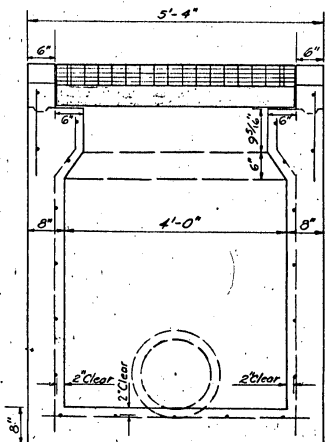
NOTE: Two required per inlet

Main Bars 5"x1/4" (Notched for cross bars)
 Cross Bars 1 3/4" x 1/4" (Continuously welded at main bar notches)
 Main Bars and Cross Bars Flush on top.

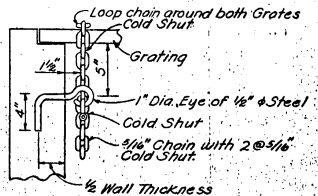
Weld main bars to L with 1/4" Fillet weld



SECTION B-B

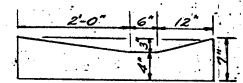


SECTION A-A



DETAIL OF EYE BOLT AND CHAIN FOR LOCKING GRATES TO INLETS

NOTE: One required per inlet

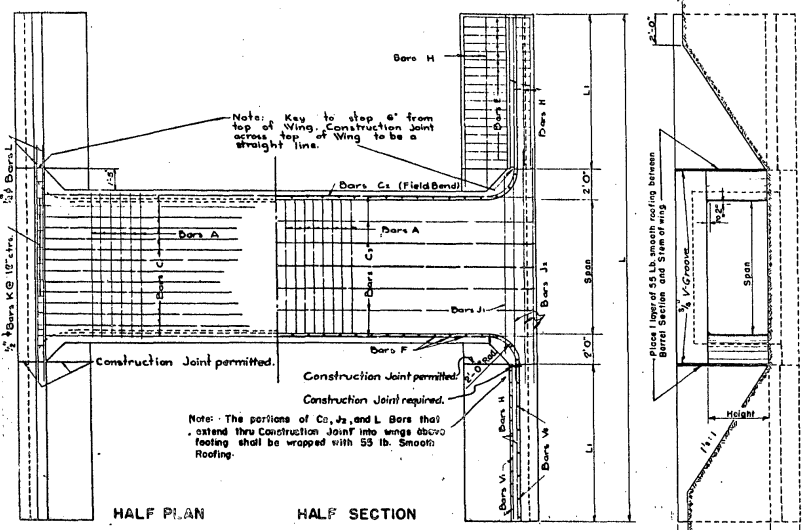


DETAIL OF SHOULDER GUTTER

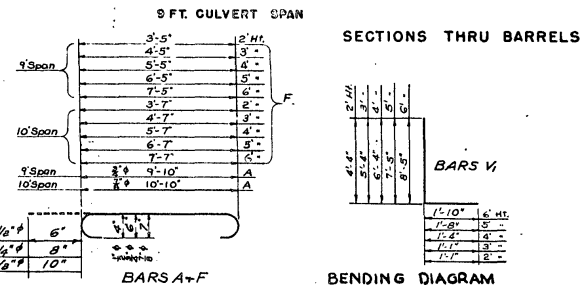
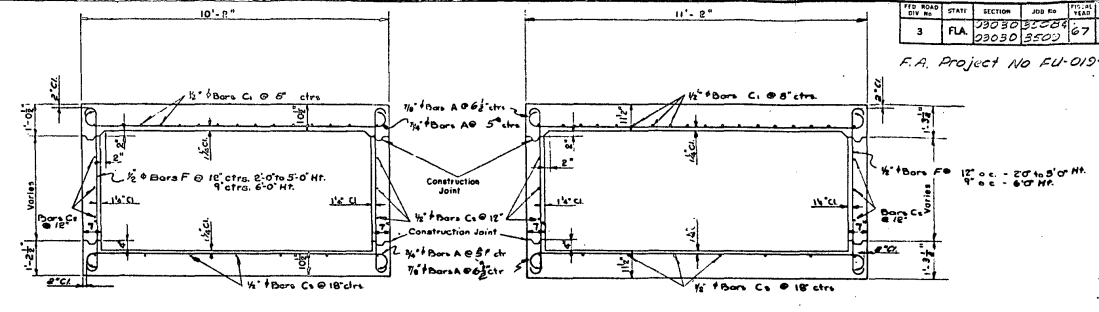
GENERAL NOTES

- All reinforcing steel bars are 1/2" # @ 12" CTRs.
- Cut and bend bars out of way of pipe when necessary. Bars to clear pipe by 1/4".
- All exposed edges and corners shall be tooled to 1/4" radius.

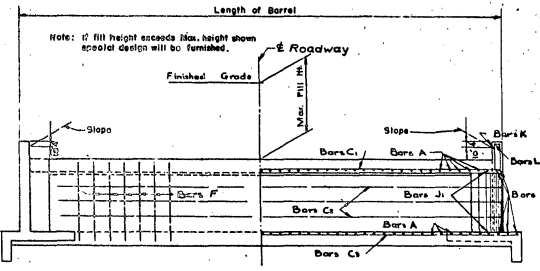
STATE ROAD DEPARTMENT OF FLORIDA ROADWAY PLANS DEPARTMENT			
SHOULDER GUTTER INLET TYPE Y			
REVISIONS	BIDD NO.	COUNTY	PROJECT NO.
Date	Description		
Designed by	GCB	Office	8-67
Checked by	DWS	8-67	
Drawn by		Approved by	G. D. Dewey
Checked by		Project No.	5086
Traced by	RHJ	8-67	



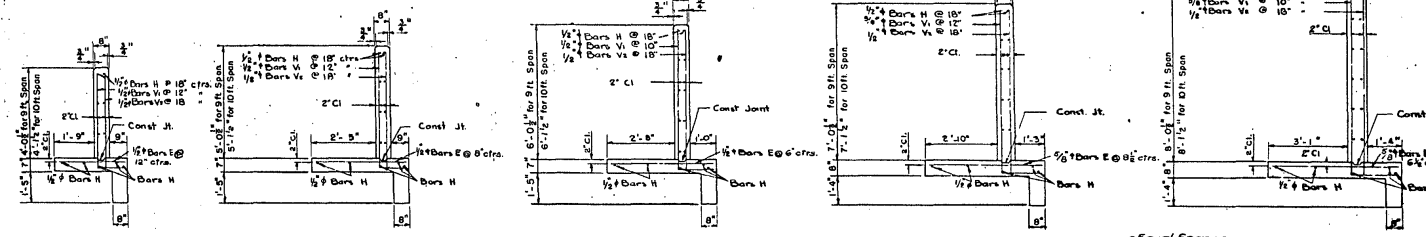
END ELEVATION



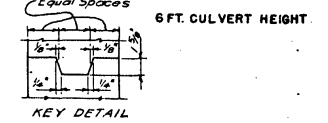
GENERAL NOTES
 DESIGN SPECIFICATIONS: A.A.S.H.O., 1957
 LOADING: M20-S16-44 Modified for Military Loading as required.
 STRESSES: $f_s = 20,000$ $f_c = 1,200$
 CHAMFER: All edges and corners to be chamfered unless otherwise noted.
 REINFORCING STEEL SPECIFICATIONS: AASO M-137
 FABRICATION OF REINFORCING STEEL: According to the A.A.S.H.O. Manual of Recommended Practice for Detailing Reinforced Concrete Highway Surfaces.



Notes: Bars J, 9" for 9'-0" Span. 8" for 10'-0" Span.



CULVERT SPAN	DIMENSIONS				QUANTITIES				TABLE OF REINFORCING STEEL																					
	CULVERT HEIGHT	AREA OF OPENING	MAXIMUM FILL	LI	L	32' BARREL LENGTH		ADDITIONAL LENGTH		SECTION THRU WINGS																				
						CONCRETE CU. YD.	REINFORCING STEEL LBS.	CONCRETE CU. YD. PER LIN. FT.	REINFORCING STEEL LBS. PER LIN. FT.	BAR A	BAR C ₁	BAR C ₂	BAR C ₃	BAR E	BAR F	BAR H	BAR J ₁	BAR J ₂	BAR K	BAR L	BAR V ₁	BAR V ₂								
9'-0"	2'-0"	17.97	5'-0"	7'-9"	28'-6"	33.28	4022	0.75	102.44	11'-2"	15	2	7	2'-10"	32	4'-5"	7'-5"	44	11'-4"	4	15'-6"	10	4'-4"	26	15'-6"	4	5'-4"	32	4'-4"	24
	3'-0"	26.97	5'-0"	9'-3"	31'-6"	37.23	4365	0.79	105.71	11'-2"	15	4	7	3'-6"	56	5'-6"	8-11"	52	11'-4"	4	15'-6"	10	4'-4"	26	15'-6"	4	6'-4"	40	5'-4"	28
	4'-0"	35.97	5'-0"	10'-9"	34'-6"	42.37	4805	0.83	107.79	11'-2"	15	6	7	4'-0"	88	6'-5"	10-5"	60	11'-4"	4	15'-6"	10	4'-4"	26	15'-6"	4	7'-7"	52	6'-4"	32
	5'-0"	44.97	5'-0"	12'-3"	37'-6"	49.41	5315	0.88	110.46	11'-2"	15	8	7	4'-6"	68	7'-5"	11-11"	60	11'-4"	4	15'-6"	10	4'-7"	26	15'-6"	4	9'-0"	52	7'-5"	36
	6'-0"	53.97	5'-0"	13'-9"	40'-6"	56.78	6169	0.92	116.88	11'-2"	15	10	7	4'-11"	04	8'-5"	13-5"	68	11'-4"	4	15'-6"	10	4'-10"	26	15'-6"	4	10'-2"	68	8'-5"	40
10'-0"	2'-0"	19.97	5'-0"	7'-9"	29'-6"	37.85	4626	0.88	118.03	12'-6"	16	2	8	2'-10"	32	4'-7"	7-5"	44	12'-2"	4	17'-0"	10	4'-6"	28	16'-6"	4	6'-4"	40	5'-4"	28
	3'-0"	29.97	5'-0"	9'-3"	32'-6"	42.20	4968	0.92	120.70	12'-6"	16	4	8	3'-6"	54	5'-7"	8-11"	52	12'-2"	4	17'-0"	10	4'-6"	28	16'-6"	4	6'-4"	40	5'-4"	28
	4'-0"	39.97	5'-0"	10'-9"	35'-6"	47.03	5409	0.97	123.38	12'-6"	16	6	8	4'-0"	88	6'-7"	10-5"	60	12'-2"	4	17'-0"	10	4'-6"	28	16'-6"	4	7'-7"	52	6'-4"	32
	5'-0"	49.97	5'-0"	12'-3"	38'-6"	54.14	5924	1.01	126.05	12'-6"	16	8	8	4'-6"	68	7'-7"	11-11"	60	12'-2"	4	17'-0"	10	4'-9"	28	16'-6"	4	9'-0"	52	7'-5"	36
	6'-0"	59.97	5'-0"	13'-9"	41'-6"	61.57	6776	1.05	132.54	12'-6"	16	10	8	4'-11"	04	8'-7"	13-5"	68	12'-2"	4	17'-0"	10	5'-0"	28	16'-6"	4	10'-2"	68	8'-5"	40



9'-0" & 10'-0" SPAN CULVERTS
 2'-3"-4.5'-6 FT. HEIGHT

STATE OF FLORIDA
 STATE ROAD DEPARTMENT

SINGLE CONCRETE BOX CULVERTS

ROAD NO.	COUNTY	SECTION	JOB NO.
25	HIGHLANDS	23030	35084

REVISIONS	Name	Date
1	W.H.M.	1-51
2	R.H.M.	2-51
3	J.L.W.	2-51
4	R.H.S.	8-51
5	E.C.D.	7-52
6	W.H.W.	2-51

Drawing No. 1 of 1