INDEX OF SHEETS

SHEET NO.

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3-4	Profile Sheets
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14	" " 1607-E~Concrete Box Culverts
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16	" " 1628-E~ " " "
17-27	Roadway Cross Sections
28-41	Soil Survey of Borrow Pits

STATE OF FLORIDA
STATE ROAD DEPARTMENT

PLANS OF PROPOSED

STATE HIGHWAY

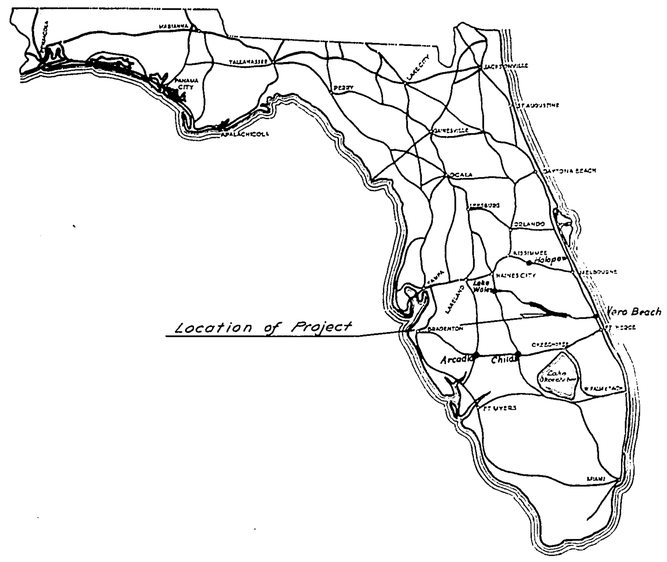
STATE JOB Nº 9207 - 104

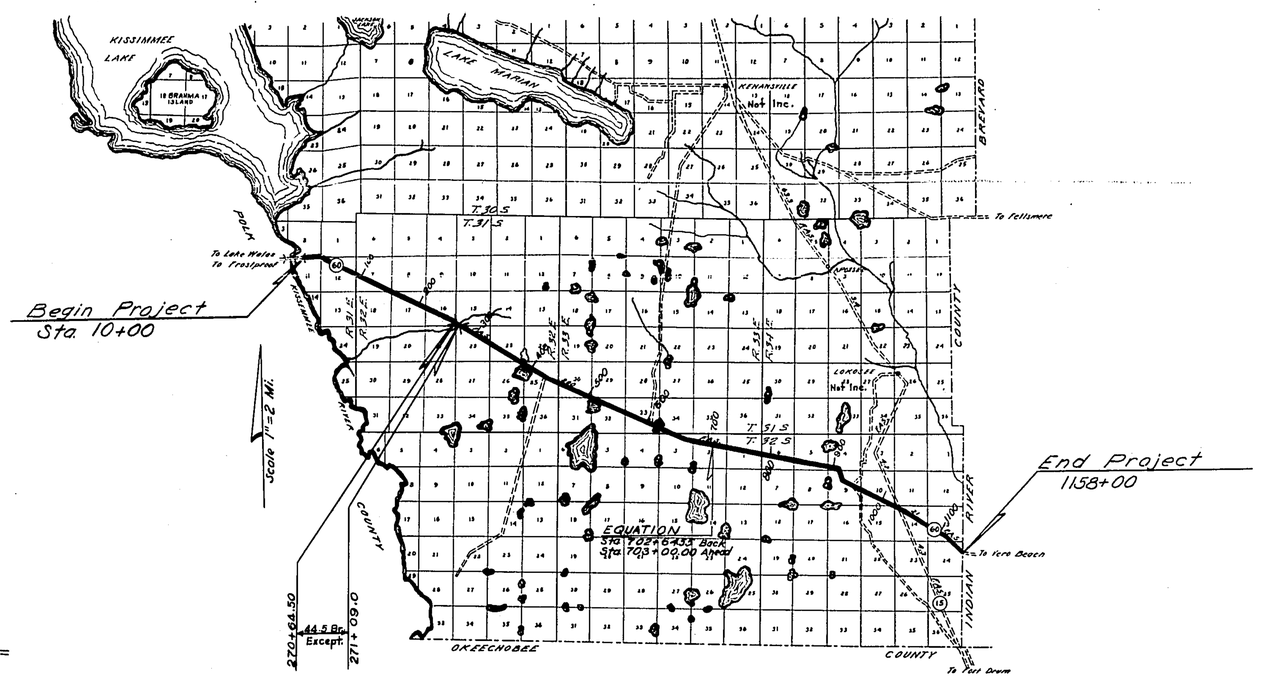
OSCEOLA COUNTY

STATE ROAD Nº 60

LENGTH = 21.727 mi.

FED. ROAD DIST. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.
3	FLA.	9207-104	47	1





CONVENTIONAL SIGNS

COUNTY LINE	TRAVELED WAY
TOWNSHIP LINE	CULVERTS
SECTION LINE	BRIDGES OVER 20 FT. SPAN
UNFENCED PROPERTY	POWER POLE
CITY LINE	PHONE POLE
FENCE LINE	MARSH
RIGHT OF WAY LINE	GROUND ELEV.
BASE OR SURVEY LINE	GRADE ELEV.
RAILROADS	R. R. MILE POST

GOVERNING SPECIFICATIONS: STATE OF FLORIDA STATE ROAD DEPARTMENT
STANDARD SPECIFICATIONS, DATED Apr. 1, 1947
APPROVED BY PUBLIC ROADS ADMINISTRATION DATE

LENGTH OF PROJECT		
Roadway	114,720.05	21.727
Bridges	0.00	0.00
Net Length of Project	114,720.05	21.727
Exceptions	44.50	0.008
Gross Length of Project	114,764.55	21.735

SUBMITTED BY

STATE HIGHWAY ENGINEER

RECOMMENDED FOR APPROVAL

DISTRICT ENGINEER
PUBLIC ROADS ADMINISTRATION
FEDERAL WORKS AGENCY

APPROVED

COMMISSIONER
PUBLIC ROADS ADMINISTRATION
FEDERAL WORKS AGENCY

FED. ROAD DIST. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.
3	FLA.	9207-104	'47	1

INDEX OF SHEETS

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13	Index Nº 1034-Endwalls for Pipe Culverts
14	" " 1607-E-Concrete Box Culverts
15	" " 1626-E- " " "
16	" " 1628-E- " " "
17-27	Roadway Cross Sections
28-41	Soil Survey of Borrow Pits

STATE OF FLORIDA
STATE ROAD DEPARTMENT

PLANS OF PROPOSED

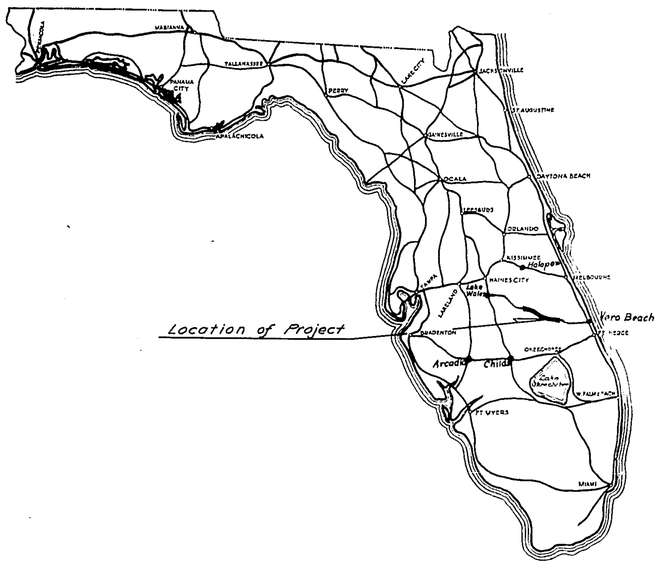
STATE HIGHWAY

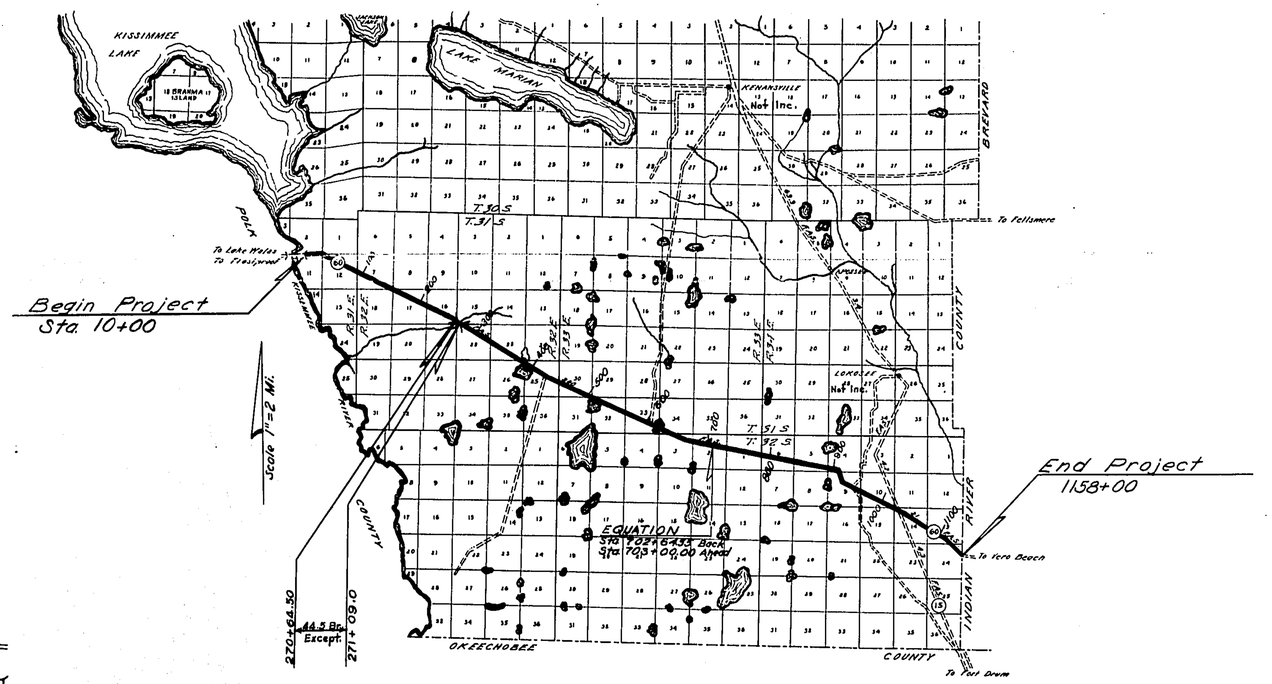
STATE JOB Nº 9207 - 104

OSCEOLA COUNTY

STATE ROAD Nº 60

LENGTH = 21.727 mi.





CONVENTIONAL SIGNS

COUNTY LINE	TRAVELED WAY
TOWNSHIP LINE	CULVERTS
SECTION LINE	BRIDGES OVER 20 FT. SPAN
UNFENCED PROPERTY	POWER POLE
CITY LINE	PHONE POLE
FENCE LINE	MARSH
RIGHT OF WAY LINE	GROUND ELEV.
BASE OR SURVEY LINE	GRADE ELEV.
RAILROADS	R. R. MILE POST

GOVERNING SPECIFICATIONS: STATE OF FLORIDA STATE ROAD DEPARTMENT
STANDARD SPECIFICATIONS, DATED April 1, 1947
APPROVED BY PUBLIC ROADS ADMINISTRATION DATE _____

LENGTH OF PROJECT

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RECOMMENDED FOR APPROVAL

[redacted]
DISTRICT ENGINEER
PUBLIC ROADS ADMINISTRATION
FEDERAL WORKS AGENCY

APPROVED

[redacted]
COMMISSIONER
PUBLIC ROADS ADMINISTRATION
FEDERAL WORKS AGENCY

SUBMITTED BY

STATE HIGHWAY ENGINEER

SEP 5 1947

CROSS SECTIONS

Scale 1 inch = 5 feet Vert.
1 inch = 100' Hor.

Dist.	Series	County	Sheets	Proj.	Sheet No.
3		OSCEOLA	60	9207-104	3

B.M. N° 1. U.S.E. Harbor Survey E.D.A. 46. 1935. M.S.L. on South Side of Bridge at East end. 26 Rt. Sta. 9+90 (Mean Sea Level) El. 53.01.

End of Bridge

B.M. N° 2. Nail in 2"x2" Hub at fence 67 Lt. Sta. 20+20 El. 55.40

B.M. N° 3. Nail in 2"x2" Hub at fence 59' Lt. Sta 30+80. El. 57.23

B.M. N° 4. Nail in 2"x2" Hub at fence 55' Lt. Sta. 41+60. El. 57.35

B.M. N° 5. Nail in 2"x2" Hub at fence 52' Lt. Sta. 51+95. El. 57.66

B.M. N° 6. Nail in 2"x2" Hub at fence 50' Lt. Sta. 62+57. El. 59.25

B.M. N° 7. Nail in 2"x2" Hub at fence 45' Lt. Sta. 72+50. El. 59.59

B.M. N° 8. Nail in 2"x2" Hub at fence 47' Lt. Sta. 83+46. El. 59.24

B.M. N° 9. Nail in 2"x2" Hub at fence 32' Rt. Sta. 94+40. El. 60.38

B.M. N° 10. Nail in 2"x2" Hub at fence 50' Lt. Sta. 104+13. El. 59.62

P.I. 62.80

0.0% (62.80)

+0.0636%

P.I. 60.70

H.W.L. - 61.92

Borrow Pit N° 1-A - 200' Lt. ℄
Cl. & Gr. = 1.20 Acres
Req. Exc. = 7,770 Cu. Yds.
(Est. 4' Depth)

B.M. N° 11. Nail in 2"x2" Hub at fence 49' Lt. Sta. 114+33. El. 59.60

B.M. N° 12. Nail in 2"x2" Hub at fence 39' Lt. Sta. 124+65. El. 61.39

B.M. N° 13. Nail in 2"x2" Hub at fence 35' Lt. Sta. 134+76. El. 61.54

B.M. N° 14. Nail in 2"x2" Hub at fence 38' Lt. Sta. 145+31. El. 61.27

B.M. N° 15. Nail in 2"x2" Hub at fence 35' Lt. Sta. 155+98. El. 60.43

Borrow Pit N° 2-A, 200' Lt. ℄
Cl. & Gr. = 3.17 Acres
Req. Exc. = 20,613 Cu. Yds.
(Est. 4' Depth)

B.M. N° 16. Nail in 2"x2" Hub at fence 49' Lt. Sta. 166+69. El. 60.48

B.M. N° 17. Nail in 2"x2" Hub at fence 49' Lt. Sta. 176+15. El. 58.94

B.M. N° 18. Nail in 2"x2" Hub at fence 49' Lt. Sta. 187+41. El. 60.59

B.M. N° 19. Nail in 2"x2" Hub at fence, 49' Lt. Sta. 198+34. El. 61.15

B.M. N° 20. Nail in 2"x2" Hub at fence, 51' Lt. Sta. 214+87. El. 60.34

B.M. N° 21. Nail in 2"x2" Hub at fence 49' Lt. Sta. 123+85. El. 61.17

B.M. N° 22. Nail in 2"x2" Hub at fence 47' Lt. Sta. 233+10. El. 61.92

B.M. N° 23. Nail in 2"x2" Hub at fence 48' Lt. Sta. 243+38. El. 61.52

B.M. N° 24. Nail in 2"x2" Hub at fence 49' Lt. Sta. 253+68. El. 60.39

B.M. N° 25. Nail in 2"x2" Hub at fence, 49' Lt. Sta. 263+25. El. 59.21

B.M. N° 26. RR Spike in 6" Post. 60' Lt. Sta. 273+06 El. 57.26

B.M. N° 27. Nail in 2"x2" Hub at fence 49' Lt. Sta. 282+95. El. 58.80

B.M. N° 28. Nail in 2"x2" Hub at fence 47' Lt. Sta. 293+87. El. 63.02

P.I. 64.70

+0.0119%

B.M. N° 29. Nail in 2"x2" Hub at fence 47' Lt. Sta. 309+00. El. 64.23

B.M. N° 30. Nail in 2"x2" Hub at fence 47' Lt. Sta. 319+40. El. 64.78

B.M. N° 31. Nail in 2"x2" Hub at fence 49' Lt. Sta. 329+40. El. 64.78

P.I. 62.80

0.0% (62.50)

-0.05%

P.I. 62.00

Borrow Pit N° 3 - 200' Lt. ℄
Cl. & Gr. = 3.42 Acres
Req. Exc. = 22,036 Cu. Yds.
(Est. 4' Depth)

Bridge to remain
Exception

B.M. N° 28. U.S.C.& G. "C 63. 1934. 98' Rt. Sta. 289+00 El. 64.94

Borrow Pit N° 4 - 200' Lt. ℄
Cl. & Gr. = 1.65 Acres
Req. Exc. = 10,668 Cu. Yds.
(Est. 4' Depths)

B.M. N° 32. Nail in 2"x2" Hub at fence 48' Lt. Sta. 328+94. El. 65.84

B.M. N° 33. Nail in 2"x2" Hub at fence, 50' Lt. Sta. 338+50. El. 66.05

B.M. N° 34. Nail in 2"x2" Hub at fence, 50' Lt. Sta. 348+06. El. 66.94

B.M. N° 35. Nail in 2"x2" Hub at fence, 45' Rt. Sta. 358+18. El. 66.89

B.M. N° 36. Nail in 2"x2" Hub at fence, 50' Lt. Sta. 367+60. El. 66.83

B.M. N° 37. Nail in 2"x2" Hub at fence, 45' Lt. Sta. 376+42. El. 67.15

B.M. N° 38. Nail in 2"x2" Hub at fence Lt. Sta. 386+12. El. 68.45

B.M. N° 39. Nail in 2"x2" Hub at fence, 50' Lt. Sta. 399+60. El. 68.03

B.M. N° 40. Nail in 2"x2" Hub at fence, 30' Rt. Sta. 408+95. El. 68.93

B.M. N° 41. Nail in 2"x2" Hub at fence, 45' Lt. Sta. 418+45. El. 68.64

B.M. N° 42. Nail in 2"x2" Hub at fence, 30' Lt. Sta. 427+52. El. 69.55

B.M. N° 43. Nail in 2"x2" Hub at fence, 42' Lt. Sta. 436+85. El. 70.43

B.M. N° 44. Nail in 2"x2" Hub at fence, 50' Lt. Sta. 445+94. El. 71.57

B.M. N° 45. Nail in 2"x2" Hub at fence, 50' Lt. Sta. 456+12. El. 71.90

B.M. N° 46. Nail in 2"x2" Hub at fence, 50' Lt. Sta. 466+20. El. 72.54

P.I. 73.10

0.0% (73.10)

(450) P.I. 73.10

+0.0463%

P.I. 68.70

+0.089%

K.W.L. 67.09

Borrow Pit N° 5 - 200' Rt. ℄
Cl. & Gr. 4.43 Ac.
Req. Exc. = 28,513 Cu. Yds.
(Est. 4' Depth)

Borrow Pit N° 6 200' Rt. ℄
Cl. & Gr. = 2.37 Acres
Req. Exc. = 15,285 Cu. Yds.
(Est. 4' Depth)

Borrow Pit N° 7 - 200' Rt. ℄
Cl. & Gr. = 2.34 Acres
Req. Exc. = 15,093 Cu. Yds.
(Est. 4' Depth)

B.M. N° 47. Nail in 2"x2" Hub at fence 50' Lt. Sta. 476+08. El. 72.50

B.M. N° 48. Nail in 2"x2" Hub at fence, 50' Lt. Sta. 485+03. El. 71.70

B.M. N° 49. Nail in 2"x2" Hub at fence 50' Lt. Sta. 494+45. El. 71.21

B.M. N° 50. Nail in 2"x2" Hub at fence, 50' Lt. Sta. 504+18. El. 70.74

B.M. N° 51. U.S.C.& G. N° A 63. 1934. 42' Lt. Sta. 506+21. El. 70.83

B.M. N° 52. Nail in 2"x2" Hub at fence 50' Lt. Sta. 515+27. El. 69.19

B.M. N° 53. Nail in 2"x2" Hub at fence, 50' Lt. Sta. 527+63. El. 68.68

B.M. N° 54. Nail in 2"x2" Hub at fence, 50' Lt. Sta. 536+40. El. 69.45

B.M. N° 55. Nail in 2"x2" Hub at fence, 50' Rt. Sta. 545+57. El. 69.51

B.M. N° 56. Nail in 2"x2" Hub at fence, 50' Lt. Sta. 555+18. El. 69.14

B.M. N° 57. Nail in 2"x2" Hub at fence, 57' Rt. Sta. 567+82. El. 67.85

B.M. N° 58. Nail in 2"x2" Hub at fence, 57' Rt. Sta. 578+15. El. 68.12

B.M. N° 59. Nail in 2"x2" Hub at fence, 53' Lt. Sta. 587+70. El. 68.73

B.M. N° 60. Nail in 2"x2" Hub at fence, 52' Lt. Sta. 598+15. El. 68.74

B.M. N° 61. Nail in 2"x2" Hub at fence, 53' Rt. Sta. 608+12. El. 67.61

B.M. N° 62. U.S.C.& G. "E 62. 1934. 42' Lt. Sta. 620+85. El. 68.47

B.M. N° 63. Nail in 2"x2" Hub at fence, 41' Lt. Sta. 630+05. El. 67.55

B.M. N° 64. Nail in 2"x2" Hub at fence, 41' Lt. Sta. 639+62. El. 68.55

P.I. 71.90

0.0087%

P.I. 71.10

0.0% (71.10)

K.W.L. 68.34

Borrow Pit N° 8-200' Rt. ℄
Cl. & Gr. = 4.75 Acres
Req. Exc. = 30,675 Cu. Yds.
(Est. 4' Depth)

Borrow Pit N° 9-200' Rt. ℄
Cl. & Gr. = 4.98 Acres
Req. Exc. = 32,121 Cu. Yds.
(Est. 4' Depth)

B.M. N° 65. Nail in 2"x2" Hub at fence, 41' Lt. Sta. 649+23. El. 69.30

B.M. N° 66. Nail in 2"x2" Hub at fence, 50' Rt. Sta. 658+10. El. 68.32

B.M. N° 67. Nail in 2"x2" Hub at fence, 47' Lt. Sta. 667+85. El. 68.07

B.M. N° 68. Nail in 2"x2" Hub at fence, 36' Lt. Sta. 676+82. El. 68.39

B.M. N° 69. Nail in 2"x2" Hub at fence, 40' Lt. Sta. 686+20. El. 68.23

B.M. N° 70. Nail in 2"x2" Hub at fence, 40' Lt. Sta. 696+65. El. 68.68

P.I. 71.10

0.0% (71.10)

Borrow Pit N° 10 - 200' Rt. ℄
Cl. & Gr. 2.90 Acres
Req. Exc. 18,795 Cu. Yds.
(Est. 4' Depth)

H.W. 69. ℄

B.M. N° 71. Nail in 2"x2" Hub at fence 40' Lt. Sta. 705+90. El. 69.55

B.M. N° 72. Nail in 2"x2" Hub at fence, 45' Lt. Sta. 715+70. El. 70.02

B.M. N° 73. Nail in 2"x2" Hub at fence, 55' Lt. Sta. 726+04. El. 69.69

B.M. N° 74. Nail in 2"x2" Hub at fence, 57' Lt. Sta. 736+30. El. 70.44

B.M. N° 75. Nail in 2"x2" Hub at fence, 58' Lt. Sta. 747+30. El. 69.68

B.M. N° 76. Nail in 2"x2" Hub at fence, 58' Rt. Sta. 761+45. El. 68.44

B.M. N° 77. Nail in 2"x2" Hub at fence, 53' Rt. Sta. 772+25. El. 68.94

B.M. N° 78. Nail in 2"x2" Hub at fence, 45' Rt. Sta. 782+50. El. 69.59

B.M. N° 79. Nail in 2"x2" Hub at fence, 50' Rt. Sta. 793+22. El. 71.05

B.M. N° 70-A. U.S.C.& G. "Y 62. 1934. 43' Rt. Sta. 771+02. El. 70.42

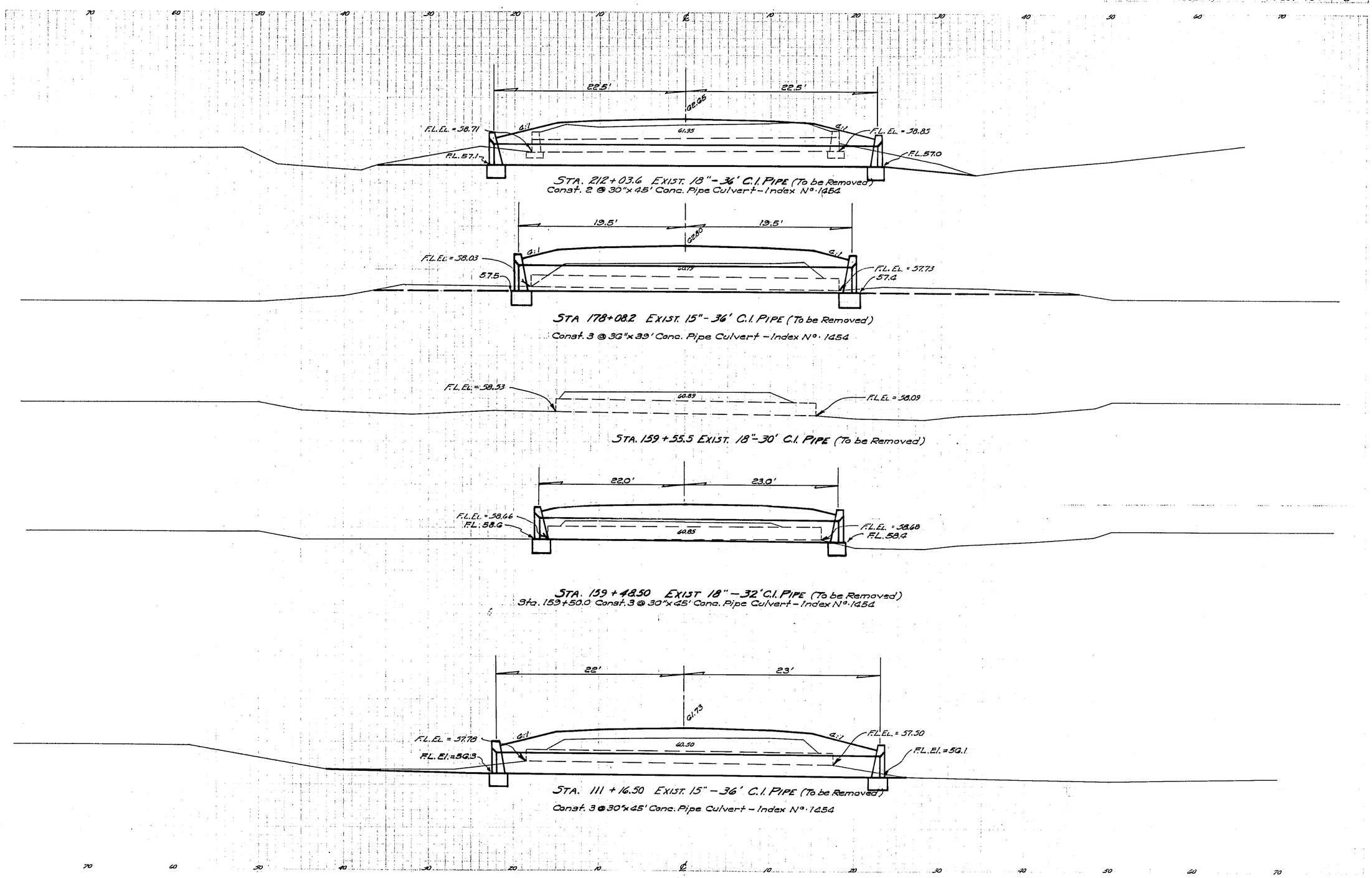
Borrow Pit N° 12 - 200' Rt. ℄
Cl. & Gr. = 0.54 Acres
Req. Exc. = 3,488 Cu. Yds.
(Est. 4' Depth)

MOTE BRIDGE NOS.

Sheet No.	Dist.	County	Fed. No.	Proj. No.	Sheet No.
	3	OSCEOLA	GO	9207-104	5

CROSS SECTIONS

Scale 1 inch = 5 feet



STA. 212+03.6 EXIST. 18"-36' C.I. PIPE (To be Removed)
Const. 2 @ 30"x 45' Conc. Pipe Culvert-Index N°. 1454

STA 178+08.2 EXIST. 15"-36' C.I. PIPE (To be Removed)
Const. 3 @ 36"x 39' Conc. Pipe Culvert - Index N°. 1454

STA. 159+55.5 EXIST. 18"-30' C.I. PIPE (To be Removed)

STA. 159+48.50 EXIST. 18"-32' C.I. PIPE (To be Removed)
Sta. 159+50.0 Const. 3 @ 30"x 45' Conc. Pipe Culvert - Index N°. 1454

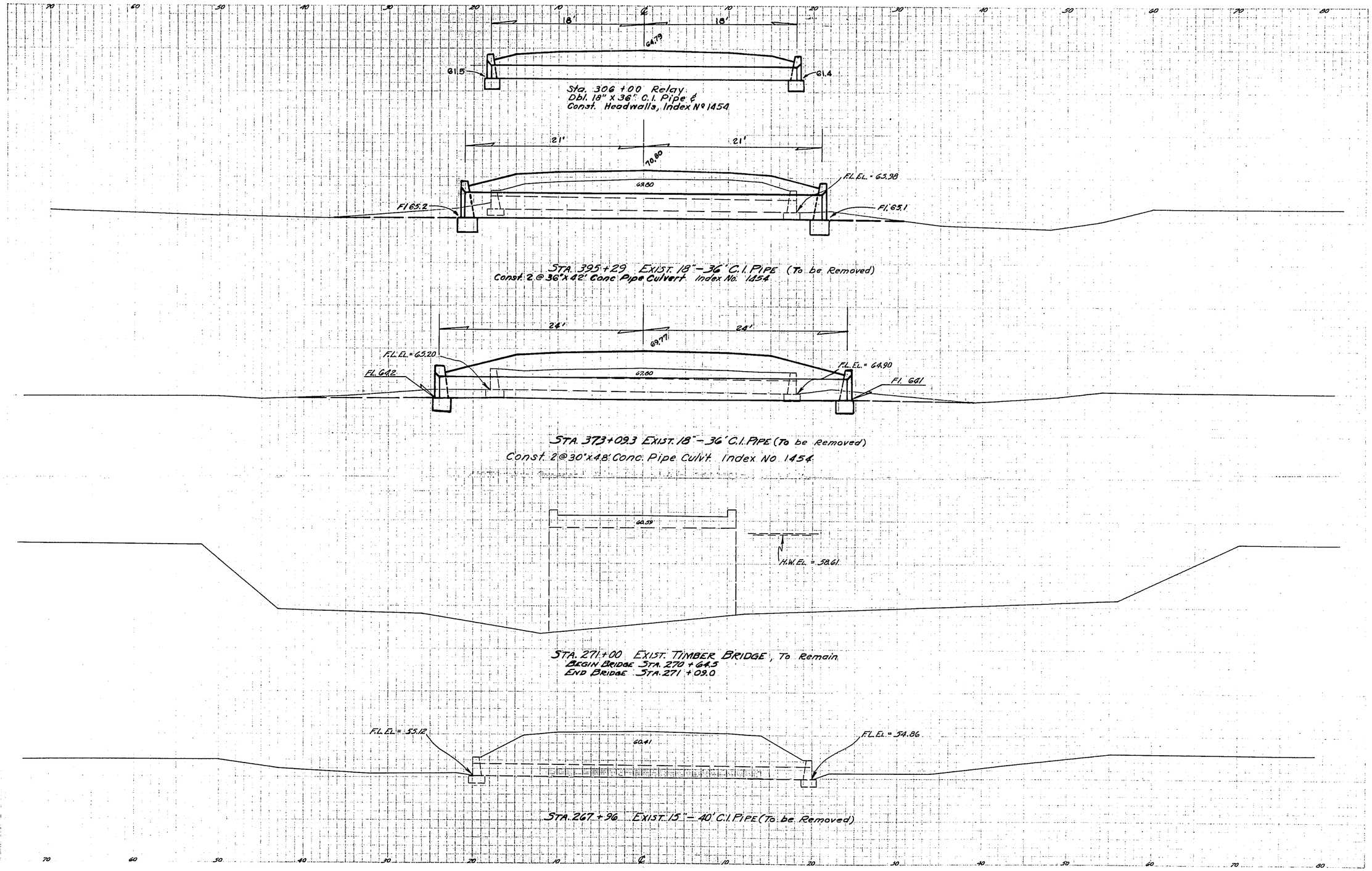
STA. 111+16.50 EXIST. 15"-36' C.I. PIPE (To be Removed)
Const. 3 @ 30"x 45' Conc. Pipe Culvert - Index N°. 1454

235083

CROSS SECTIONS

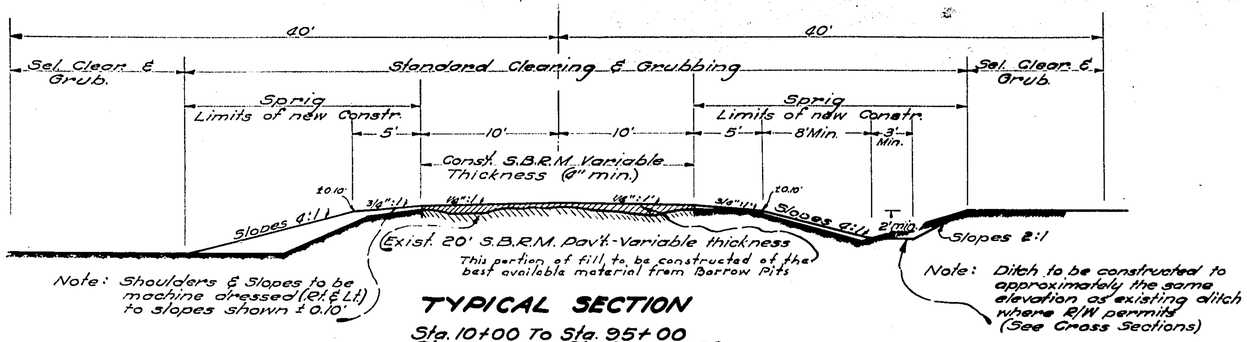
Scale 1 inch = 5 feet

Dist.	State	County	Route	Proj.	Sheet No.
3	Fla.	OSCEOLA	60	9207-104	6



℄ 23 50 83

FED. ROAD DIST. No.	STATE	FEDERAL AID PROJECT No.	FISCAL YEAR	SHEET No.
3	FLA.	9207-104	'47	2

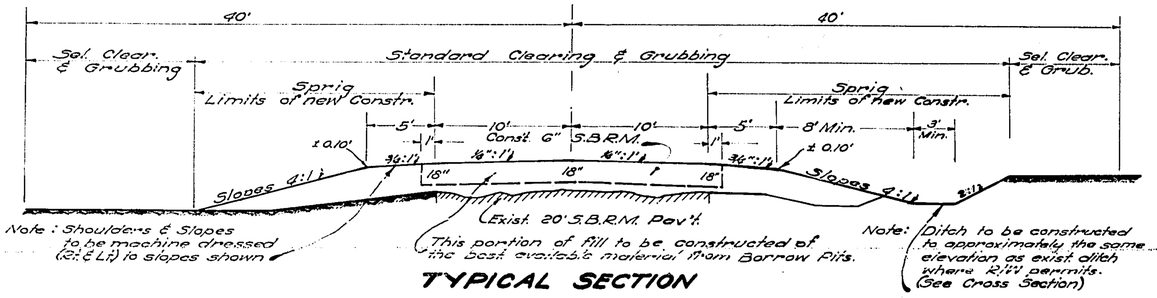


TYPICAL SECTION

Sta. 10+00 To Sta. 95+00
Sta. 223+00 To Sta. 270+64.50
Sta. 271+09.00 To Sta. 305+00
Sta. 475+50 To Sta. 488+00

Note: In isolated sections 2" min. thickness S.B.R.M. will be accepted.
Estimated average thickness of S.B.R.M. = 9" loose measure

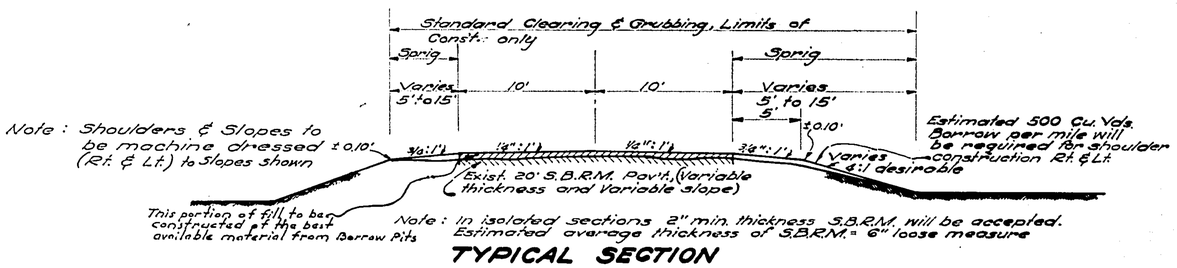
CONSTRUCT SAND BITUMINOUS ROAD MIX PAV'T., VARIABLE THICKNESS (6" MIN.)



TYPICAL SECTION

Sta. 95+00 To Sta. 223+00
Sta. 305+00 To Sta. 475+50
Sta. 488+00 To Sta. 700+00

CONSTRUCT 6" SAND BITUMINOUS ROAD MIX PAV'T.



TYPICAL SECTION

Sta. 700+00 To Sta. 702+64.55
Sta. 702+64.55 Bk = Sta. 703+00 Ah. } Equation
Sta. 703+00 To Sta. 1158+00

CONSTRUCT SAND BITUMINOUS ROAD MIX PAV'T., VARIABLE THICKNESS (3" MINIMUM)

SUMMARY OF QUANTITIES

Item No.	Item	Unit	Quantity
	Clearing and Grubbing, Roadway	Acre	168.66
	Clearing and Grubbing, Borrow Pits	Acre	37.66
1	Clearing and Grubbing, Total	Acre	206.32
* 2	Removal of Exist. Structures Nos. 1,2,3 & 4 & Cattle Guard	Lump Sum	1
	Reg. Exc., Roadway	Cu. Yd.	9,028
**	Reg. Exc., Borrow	Cu. Yd.	242,963
3	Reg. Exc., Total	Cu. Yd.	251,991
36-A	Sand Bituminous Road Mix (6" thick)	Sq. Yd.	113,444
36-B	Sand Bituminous Road Mix (Variable Thickness)	Sq. Yd.	141,489
37	Bituminous Mat'l. (S.B.R.M., Cut-back Asphalt)	Gal.	994,650
72	Concrete, Class "A" (Headwalls & Culverts)	Cu. Yd.	443.36
77	Reinforcing Steel	Lb.	34,285
84-A	Concrete Pipe Culv't. 24" (Cross Drain)	Lin. Ft.	152
84-B	Concrete Pipe Culv't. 30" (Cross Drain)	Lin. Ft.	858
84-C	Concrete Pipe Culv't. 36" (Cross Drain)	Lin. Ft.	201
89	Relay Existing Pipe, 18"	Lin. Ft.	303
127	Sprigging	Sq. Yd.	397,000
135	Dressing Shoulders and Slopes	Rd. Mi.	21.727

* For Structures Nos. 1,2,3 & 4 See Sheet No. 11
** Borrow Pit Back Slopes to be 4:1

SUMMARY OF DRAINAGE STRUCTURES

Index No.	Station	Size	Type	Length	Relay Pipe		New Pipe			Conc., Class "A"		Reinf. Steel
					18" C.I.	18" C.M.	24"	30"	36"	Headwalls	Culverts	
1454	111+16.50	3-30"	Pipe & Hdwls.	45'				135'		10.28		
1454	159+50	3-30"	Pipe & Hdwls.	45'				135'		10.28		
1454	178+08.2	3-36"	Pipe & Hdwls.	39'					117'	13.84		
1454	212+03.6	2-30"	Pipe & Hdwls.	45'				90'		8.90		
1454	306+00	2-18"	Pipe & Hdwls.	36'	72'					4.72		
1454	340+00	3-18"	Pipe & Hdwls.	36'	108'					5.56		
1454	373+09.3	2-30"	Pipe & Hdwls.	48'				96'		8.90		
1454	395+29	2-36"	Pipe & Hdwls.	42'					84'	12.04		
1454	462+00	18"	Pipe & Hdwls.	33'	33'					3.88		
1607-E	520+61.85	8'x3'	Conc. Box	36'							39.94	3498
1454	543+00	2-24"	Pipe & Hdwls.	36'			72'			6.34		
1607-E	566+27	8'x3'	Conc. Box	52'							51.10	4717
1454	607+40	2-30"	Pipe & Hdwls.	51'				102'		8.90		
1454	619+24	3-30"	Pipe & Hdwls.	42'				126'		10.28		
1454	663+26.90	2-30"	Pipe & Hdwls.	48'				96'		8.90		
1454	685+93.7	2-30"	Pipe & Hdwls.	39'				78'		8.90		
1454	762+83	2-24"	Pipe & Hdwls.	40'			80'			6.34		
1626-E	841+21	2-6'x3'	Conc. Box	36'							48.47	5662
1626-E	853+26	2-6'x3'	Conc. Box	36'							48.47	5662
1626-E	893+34	2-6'x3'	Conc. Box	36'							48.47	5662
1628-E	945+08	2-8'x5'	Conc. Box	36'							78.85	9084
	* 919+50 (Lt.)	3-18"		30'		90'						
			TOTALS		213'	90'	152'	858'	201'	128.06	315.30	34,285

* Side Ditch

CROSS SECTIONS

Scale 1 inch = 5 feet

3	OSCEOLA	60	9207-104	4

B.M. No 80 Nail in 24" Hub at Fence, 37 Rt. Sta. 803+00 El. 69.80

B.M. No 81 Nail in 28" Hub at Fence, 53 Rt. Sta. 813+90. El. 69.46

75
70
65

70.94 70.42 70.20

Borrow Pit No 13 200' Rt. ℄
Cl. E Gr. = 0.83 Acre.
Req. Exc. 5,348 Cu. Yds.
(Est. 4' Depth)

Sta. 830+00 — 300' — 300' — Sta. 833+00

810 820 830 840 850 860 870 880 890 900 910 920 930 940 950 960

Borrow Pit No 14
100' Rt. ℄
Cl. E Gr. = 1.89 Acres
Req. Exc. 12,231 Cu. Yds.
(Est. 4' Depth)

Sta. 951+50 — 400' — 300' — Sta. 955+50

75
70
65

970 980 990 1000 1010 1020 1030 1040 1050 1060 1070 1080 1090 1100 1110 1120

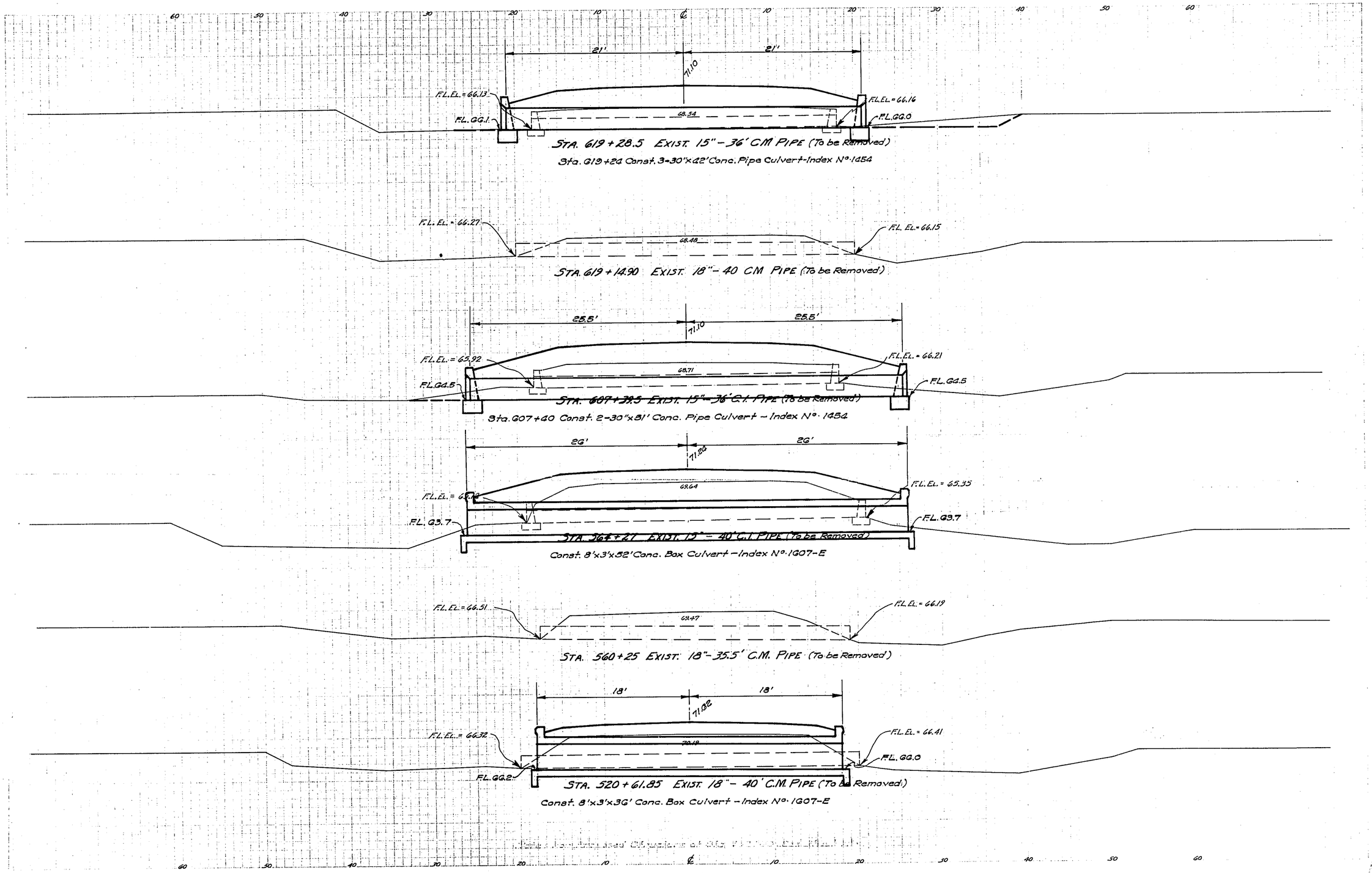
1130 1140 1150 1160 1170 END OF SURVEY

NOTE BOOK NOS.

Dist.	State	County	Section	Job	Sheet No.
3	Fla.	OSCEOLA	GO	9207-104	7

CROSS SECTIONS

Scale 1 inch = 5 feet

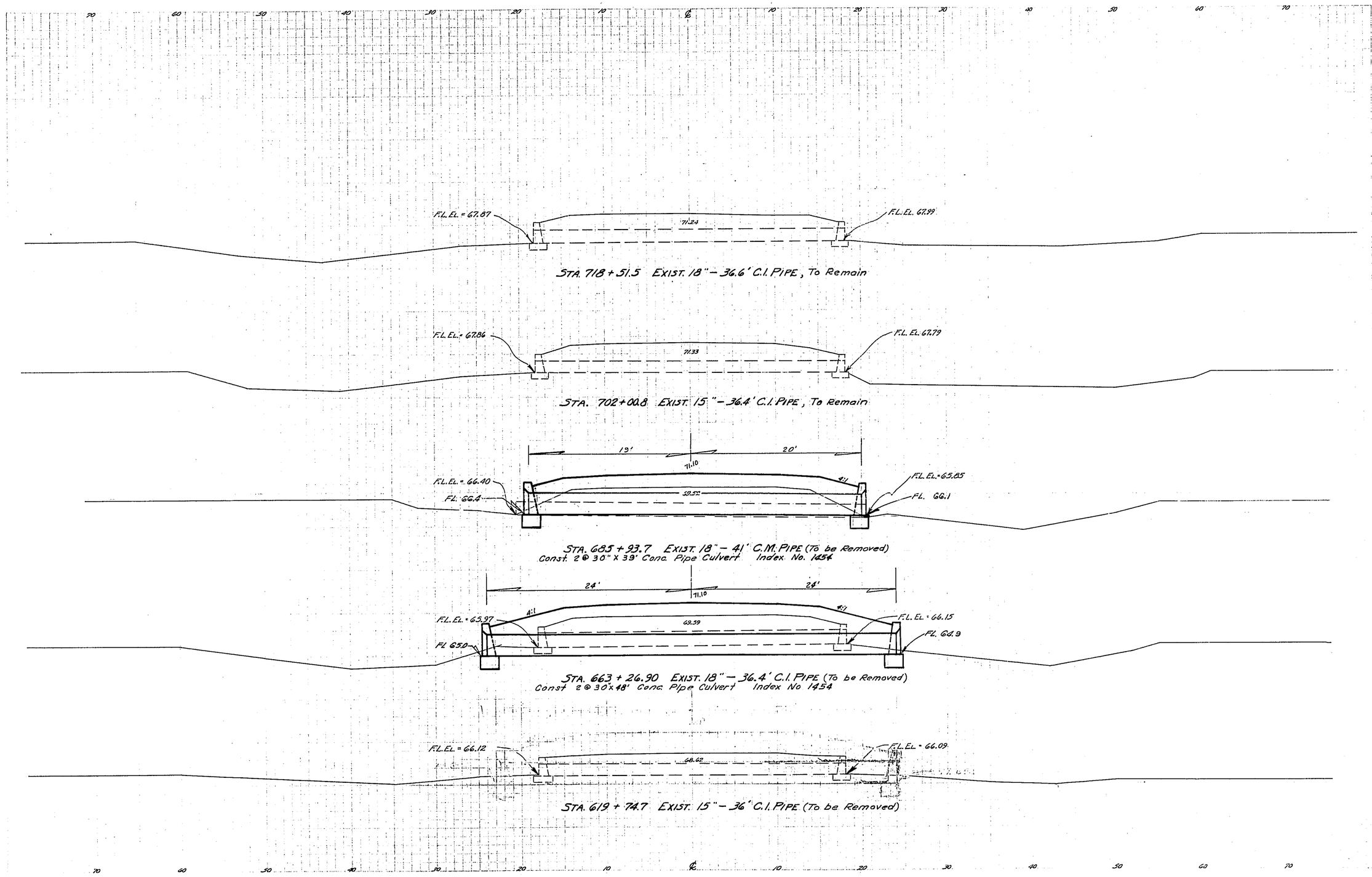


2335083

CROSS SECTIONS

Scale 1 inch = 5 feet

Dist.	State	County	Fed.	Proj.	Sheet No.
3		OSCEOLA	60	9207 104	8



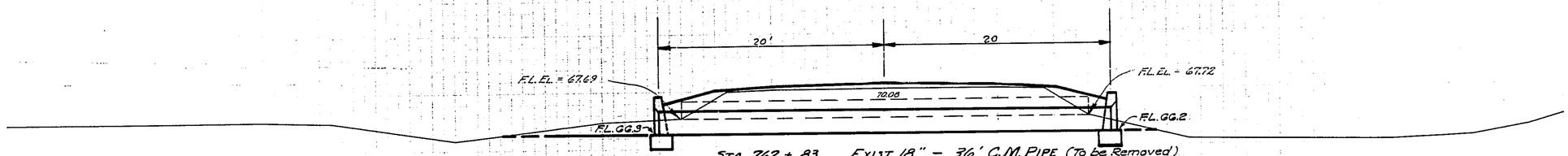
235083

CROSS SECTIONS

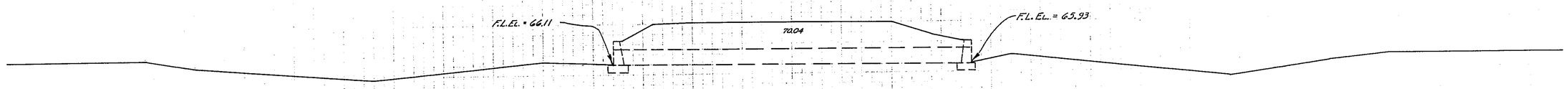
Scale 1 inch = 5 feet

Dist.	State	County	Route	Prop.	Sheet No.
3	Fla.	OSCEOLA	60	9207-104	9

70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70



STA. 762 + 83 EXIST. 18" - 36' C.M. PIPE (To be Removed)
Const. 2-24"x 40' Conc. Pipe Culvert - Index No. 1454



STA. 759 + 29.7 EXIST. 18" - 36' C.I. PIPE - To Remain

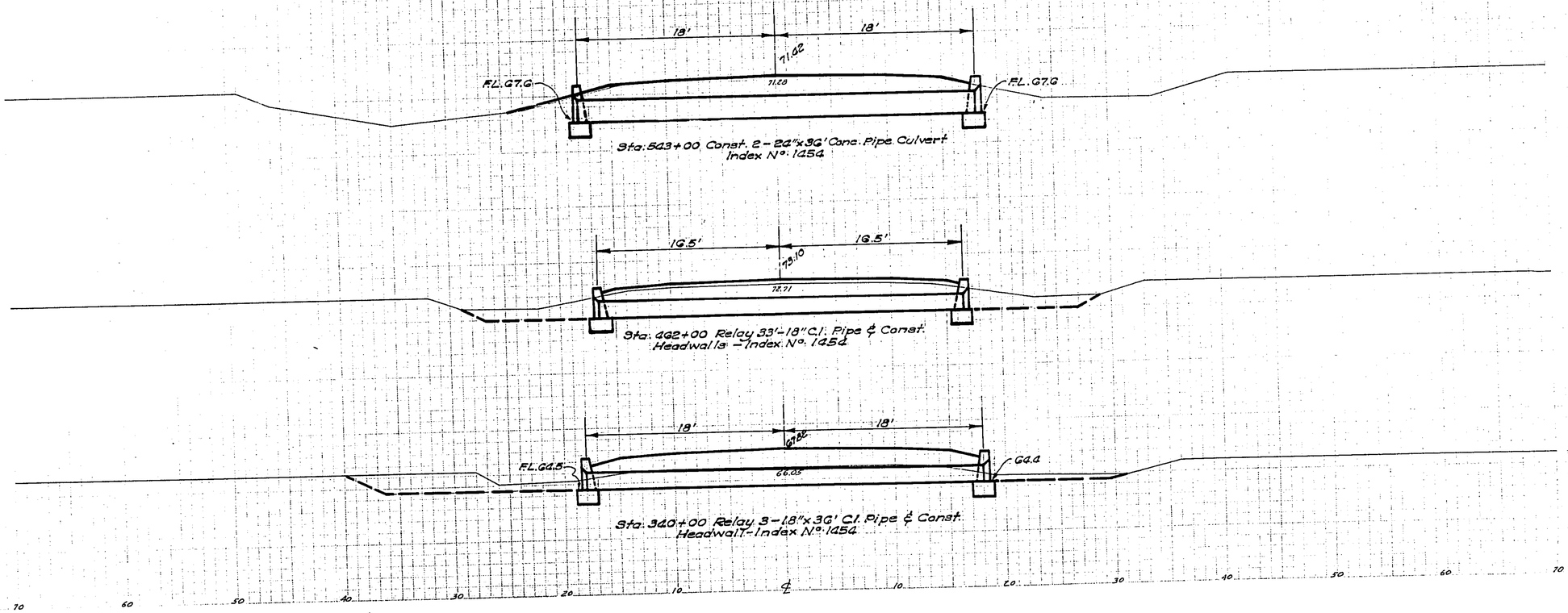
25508

70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70

Dist.	Conf.	County	Fiscal Years	Proj.	Sheet No.
3	Fla.	OSCEOLA	60	9207-104	10

CROSS SECTIONS

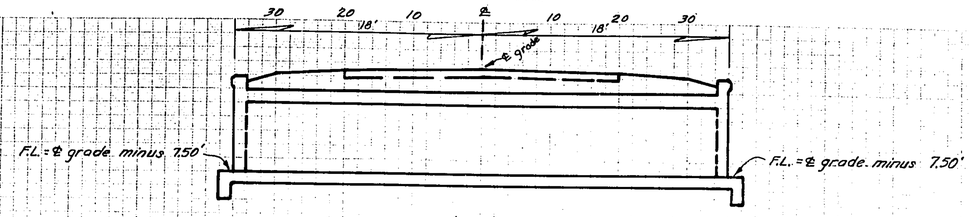
Scale 1 inch = 5 feet



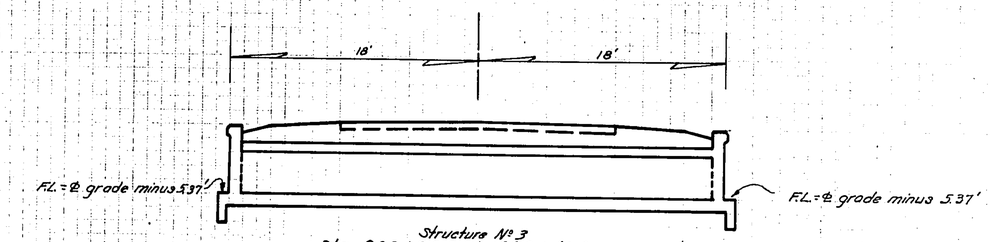
Sheet	Dist.	County	Fin. Proj.	Contract No.
3	5	OSCEOLA	60 9207-104	11

CROSS SECTIONS

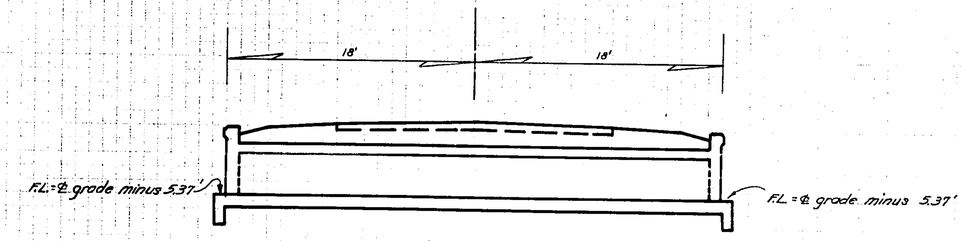
Scale 1 inch = 5 feet



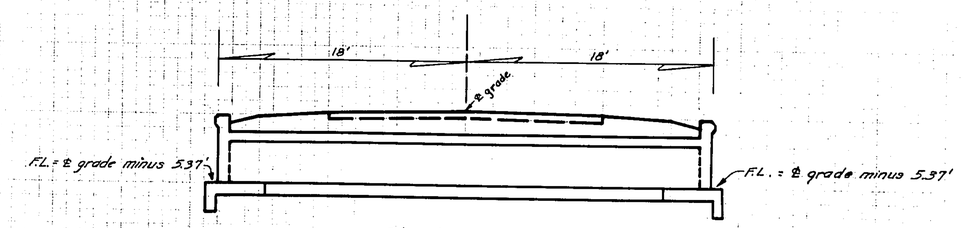
Structure No 4
Sta. 944+98 to Sta. 945+14
Exist. 16' Timber Bridge (to be Removed)
Sta 945+06 Const. Dbl. 8'x5'x36' Conc. Box Coulvert.
Index No 1628-E



Structure No 3
Sta. 893+26.3 to 893+42.9
Exist 16.6' Timber Bridge (to be Removed)
Sta. 893+34 Const. Dbl. 6'x3'x36' Conc. Box Coulvert
Index No 1626E



Structure No 2
Sta 853+185 to Sta 853+345
Exist 16' Timber Bridge (to be Removed)
Sta 853+26 Const Dbl. 6'x3'x36' Conc. Box Coulvert
Index No. 1626 E



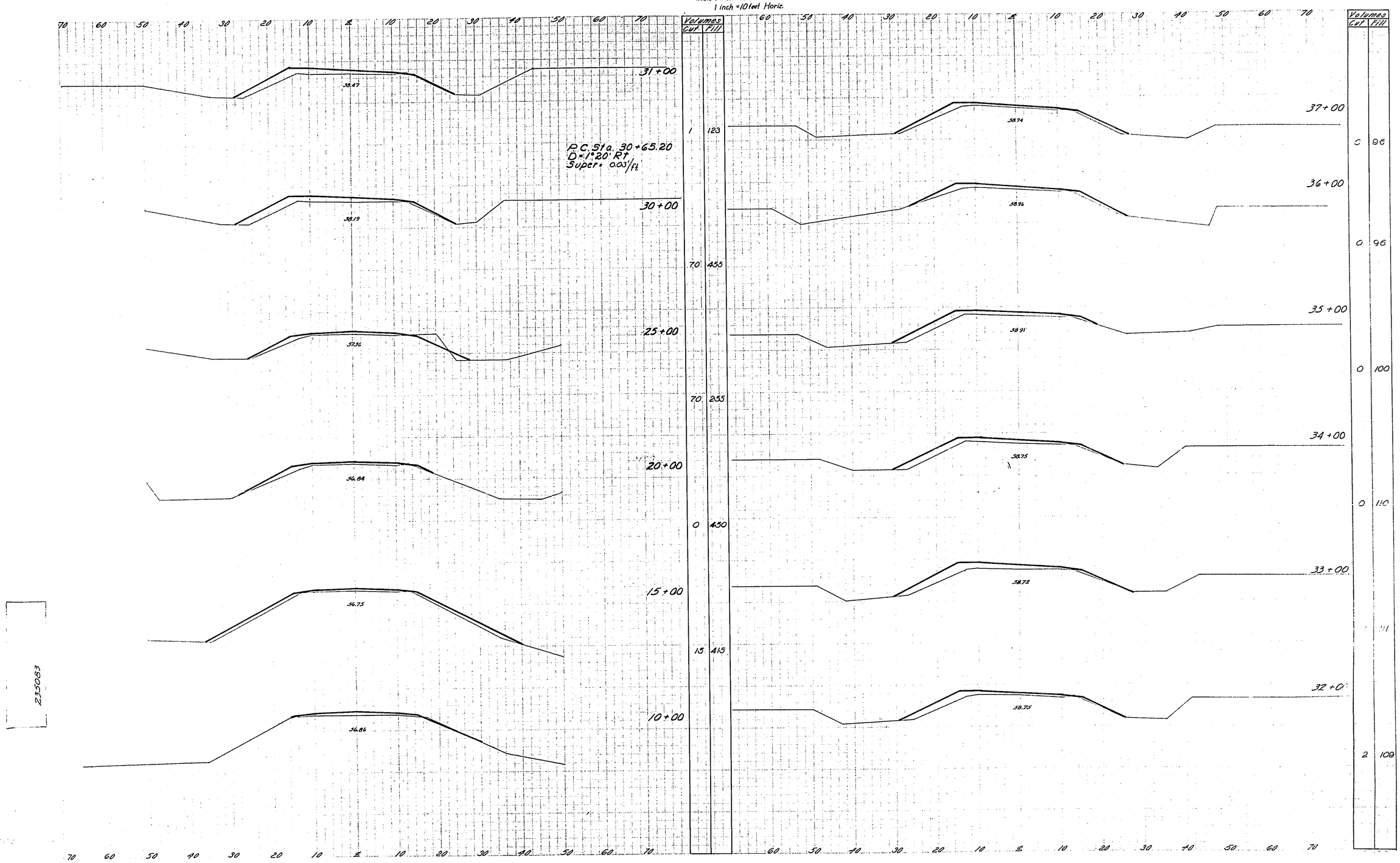
Structure No 1
Sta 841+19 to Sta. 841+29
Exist 16' Timber Bridge (to be Removed)
Sta. 841+21 Const Dbl. 6'x3'x36' Conc. Box Coulvert
Index No. 1626-E

Note: The ℄ grade to be determined by Project Engineer

CROSS SECTIONS

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

Dist.	Sect. No.	County	Route	Proj.	Sheet No.
3		OSCEOLA	60	9207-104	17

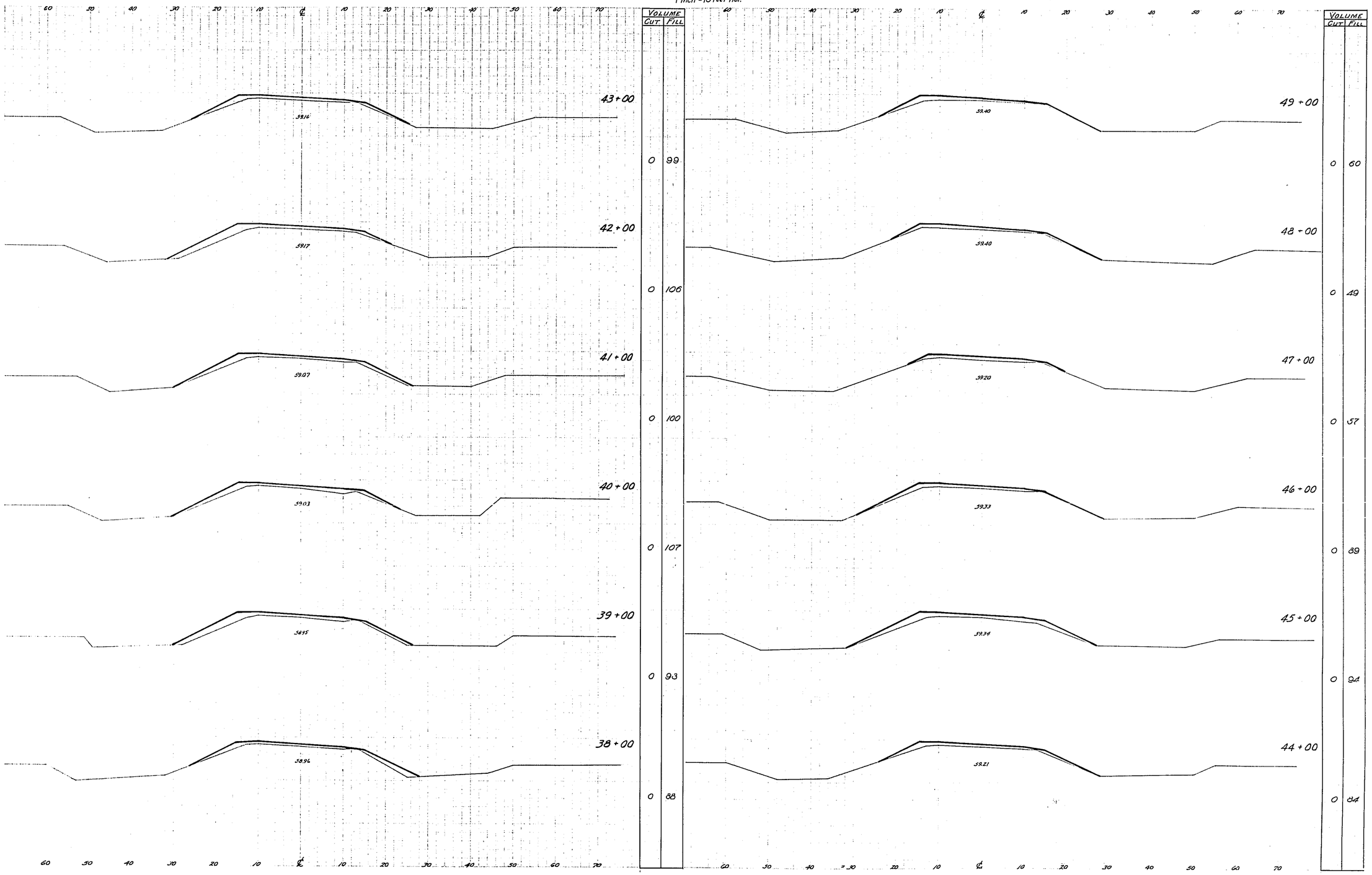


CROSS SECTIONS

Scale 1 inch = 5 feet Vert.
1 Inch = 10 feet Hor.

Sheet No.	Dist. No.	County	Area	Project No.	Sheet No.
3	7	Osceola	60	9207-104	18

295003



CROSS SECTIONS

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

3	Osceola	60	9207-104	19

P.T. Sta. 51+02.70
D = 1°20' Rt
Super = .03'/1ft.

235083

33

Station	Cut	Fill
70+00	135	200
65+00	165	105
60+00	30	105
55+00	0	296
51+00	4	119
50+00	4	92
115+00	5	1230
110+00	0	1025
105+00	60	700
100+00	250	365
95+00	215	210
90+00	25	220
85+00	0	225
80+00	0	275
75+00	0	260

FERGUSON CONSTRUCTION CO.
Scale 1 inch = 5 Feet Vert.
1 inch = 10 Feet Horiz.

Osceola 60 9207-104 Sheet No. 20

VOLUMES	
CUT	FILL
5	970
5	985
5	1235
30	1535
25	1815
0	1770
45	1620
50	1075
5	1085

VOLUME	
CUT	FILL
15	1400
20	1160
15	1225
15	1280
40	1260
15	1120
0	1045
0	1100
0	1185

205+00 62.80 6116
200+00 62.80 6141
195+00 62.80 6119
190+00 62.80 6085
185+00 62.80 6093
180+00 62.80 6130
175+00 62.80 6131
170+00 62.80 6124
165+00 62.80 6104

160+00 62.80 6091
155+00 62.80 6097
150+00 62.80 6098
145+00 62.80 6097
140+00 62.80 6098
135+00 62.80 6104
130+00 62.80 6118
125+00 62.61 6099
120+00 62.29 6092

2350B3

3	Osceola	60	9207-10at	27

CROSS SECTIONS

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

P.C. Sta. 266+11.20
D = 0°20' R.T.

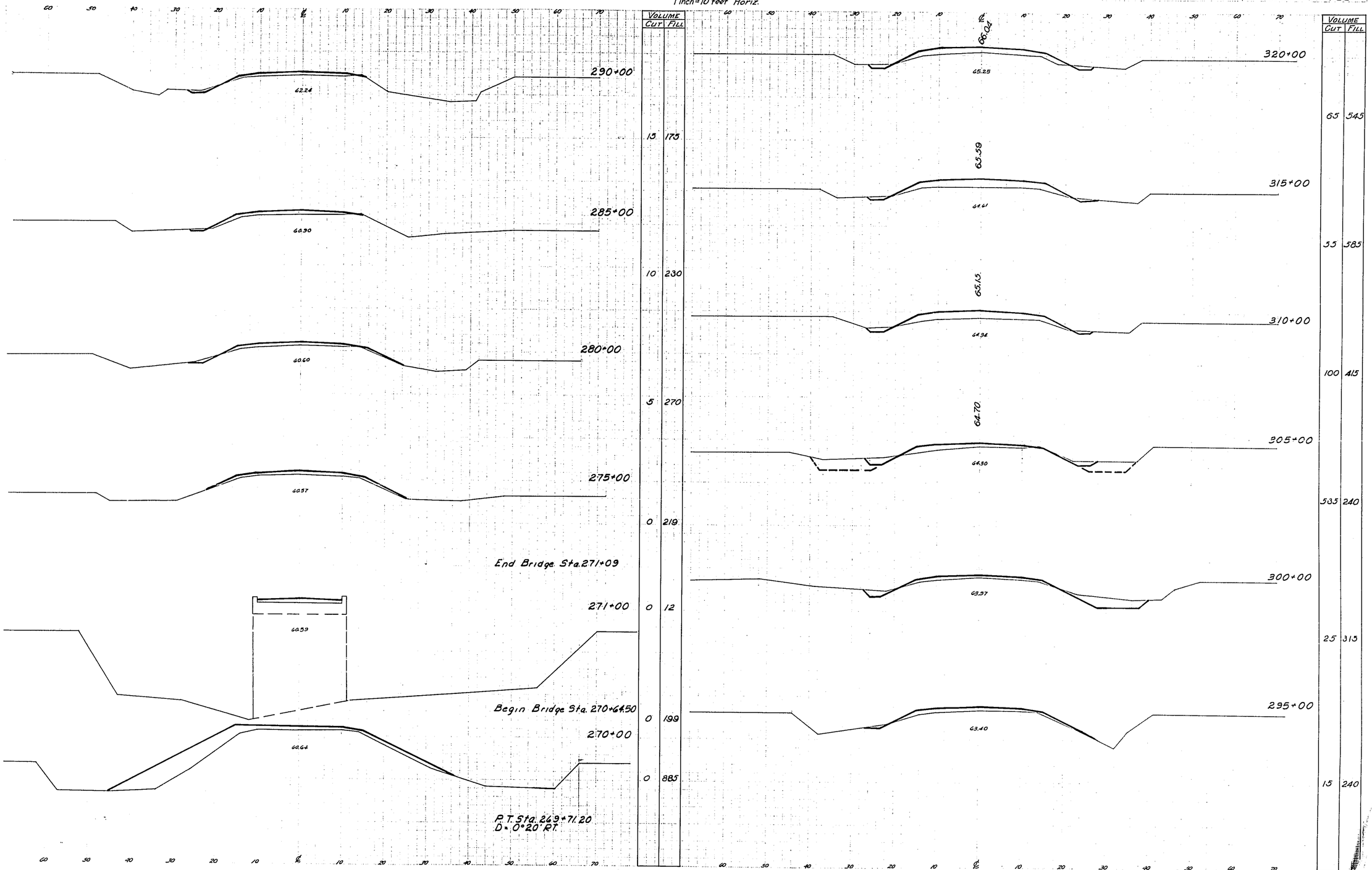
Station	Volume Cut	Volume Fill
235+00		
	540	200
230+00		
	336	200
225+00		
	95	305
220+00		
	0	565
215+00		
	0	530
210+00		
	0	595
205+00		
265+00		
	0	255
260+00		
	60	240
255+00		
	180	250
250+00		
	235	250
245+00		
	345	225
240+00		
	480	200

235083

CROSS SECTIONS

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

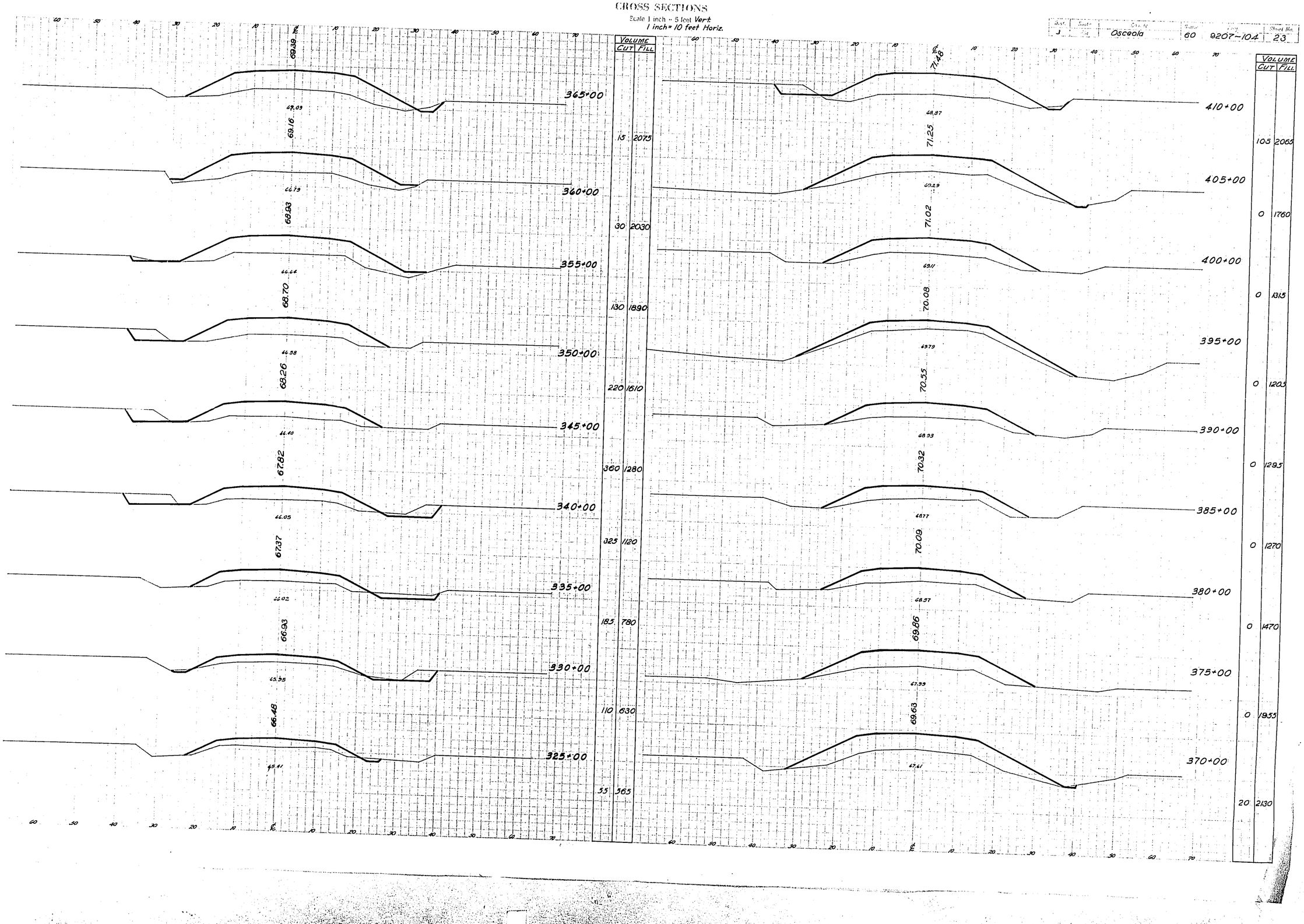
Dist.	Co.	Route	Mile	Sect. No.
3		Osceola	60 9207-104	22



Dist.	County	Job	Project	Sheet No.
3	Osceola	60	9207-104	23

CROSS SECTIONS

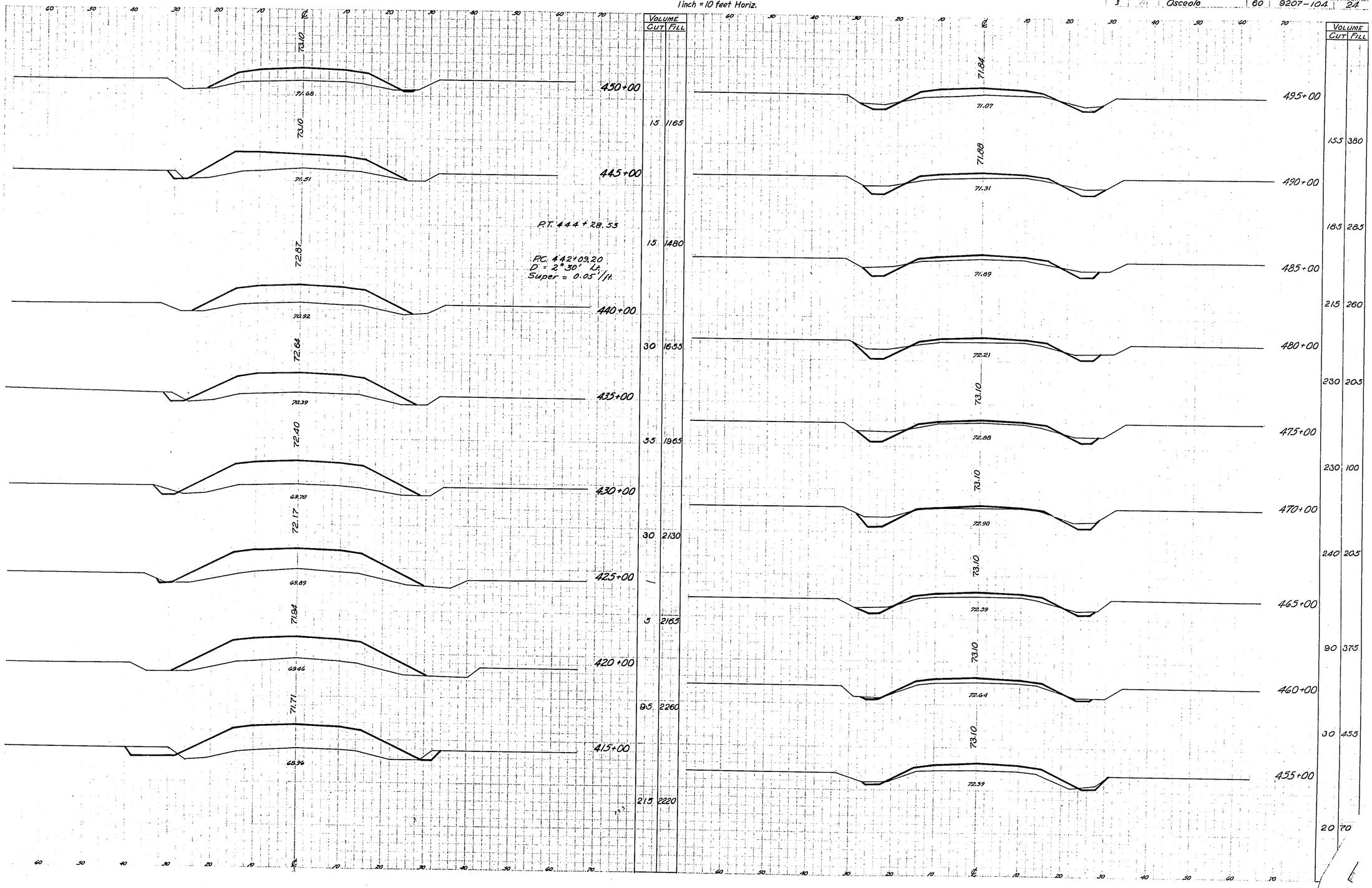
Scale 1 inch = 5 feet Vert.
1 inch = 10 feet Horiz.



CROSS SECTIONS

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

Dist.	State	County	Roads	Job	Sheet No.
3	Fla.	Osceola	60	9207-104	24



CROSS SECTIONS

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

Dist.	State	County	Route	Proj.	Sheet No.
3	Fla.	Osceola	60	9207-104	23

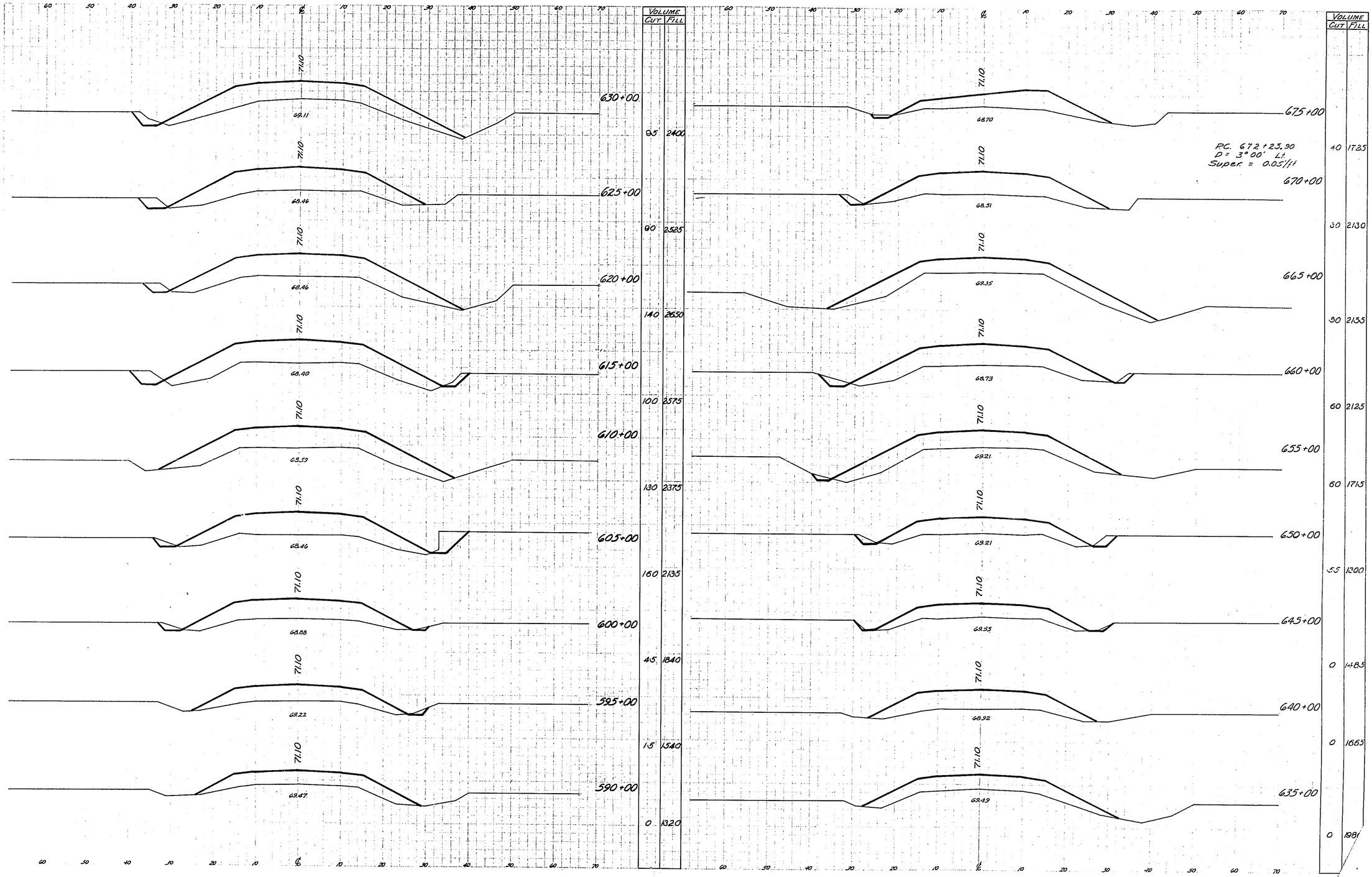
Station	Volume Cut	Volume Fill
590+00	0	608
585+00	0	1475
580+00	0	1392
575+00	0	1840
570+00	0	2340
565+00	0	2032
560+00	0	1464
555+00	20	1332
550+00	20	918
545+00	0	604
540+00	0	608
535+00	0	1000
530+00	0	1600
525+00	0	1620
520+00	0	1612
515+00	0	1900
510+00	0	1580
505+00	0	992
500+00	60	640

71.10 / 69.37
71.10 / 69.21
71.14 / 68.46
71.19 / 69.40
71.23 / 69.77
71.27 / 69.61
71.32 / 69.48
71.36 / 69.83
71.40 / 70.65
71.45 / 70.72
71.49 / 70.70
71.53 / 70.40
71.58 / 69.55
71.62 / 69.99
71.67 / 69.61
71.71 / 69.73
71.75 / 70.31
71.80 / 70.50

CROSS SECTIONS

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

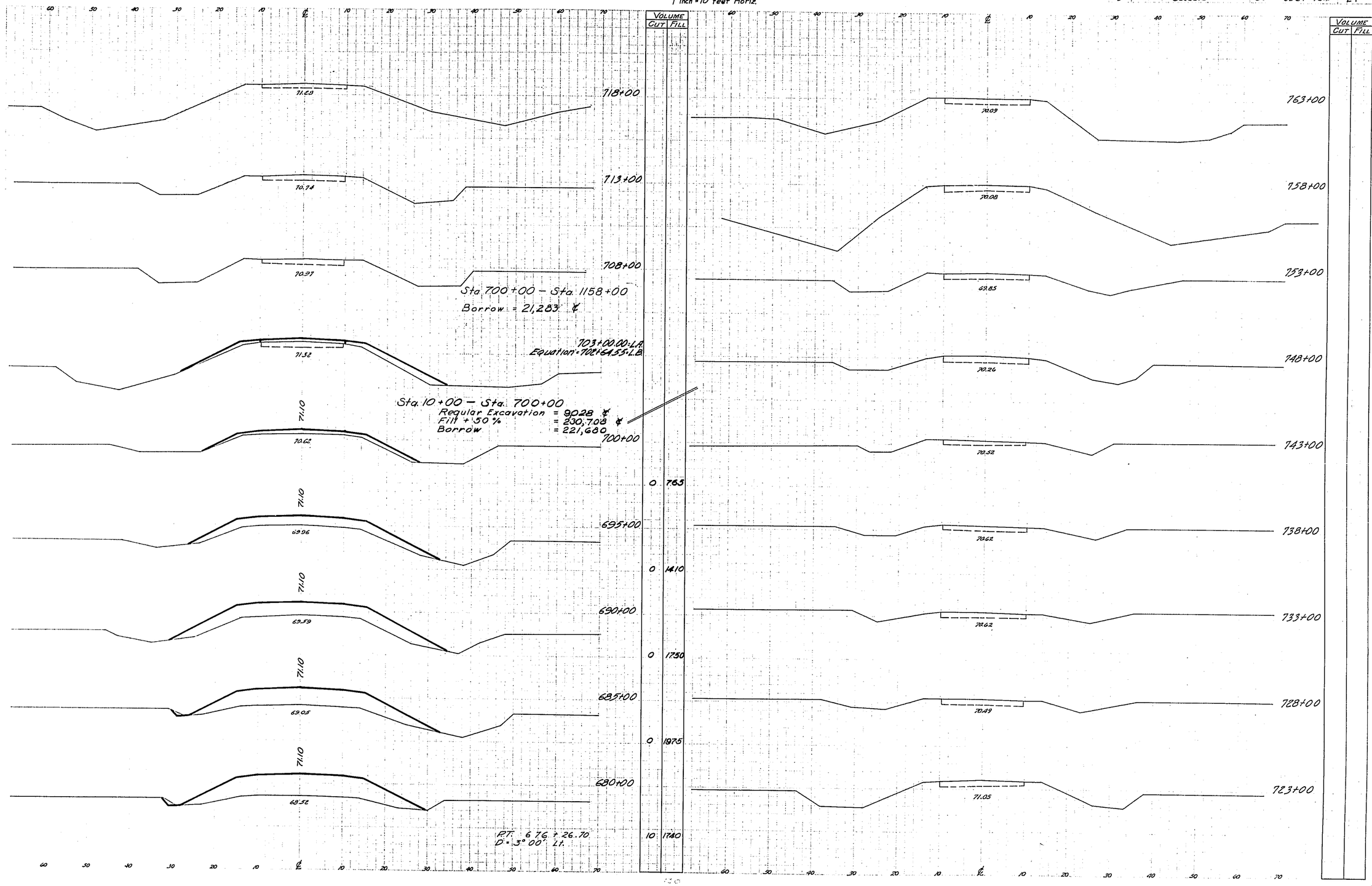
Dist.	State	County	Proj.	Proj.	Sheet No.
3	Fla.	Osceola	60	9207-104	26



Dist.	Dist.	County	Sect.	Job No.	Sheet No.
3		Osceola	60	9207-104	27

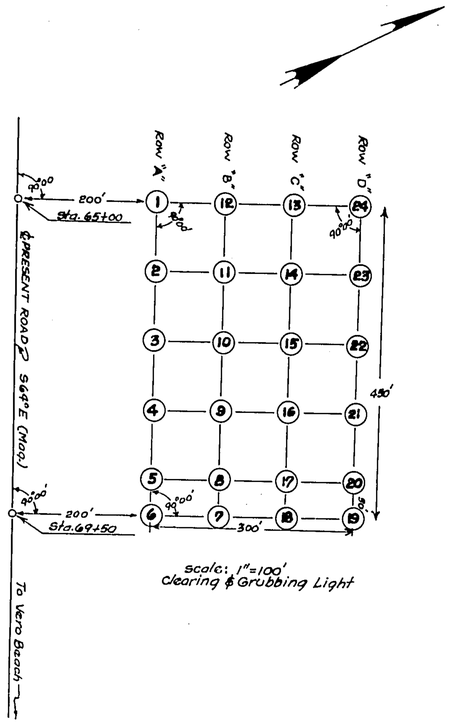
CROSS SECTIONS

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



STATE	COUNTY	ROAD	PROJECT	SHEET Nº
FLA	OSCEOLA	60	9207 104	28

B.M. N26 Elev. 59.25
Nail in 2"x2" Hub at Fence, 50' Left Sta. 62+57

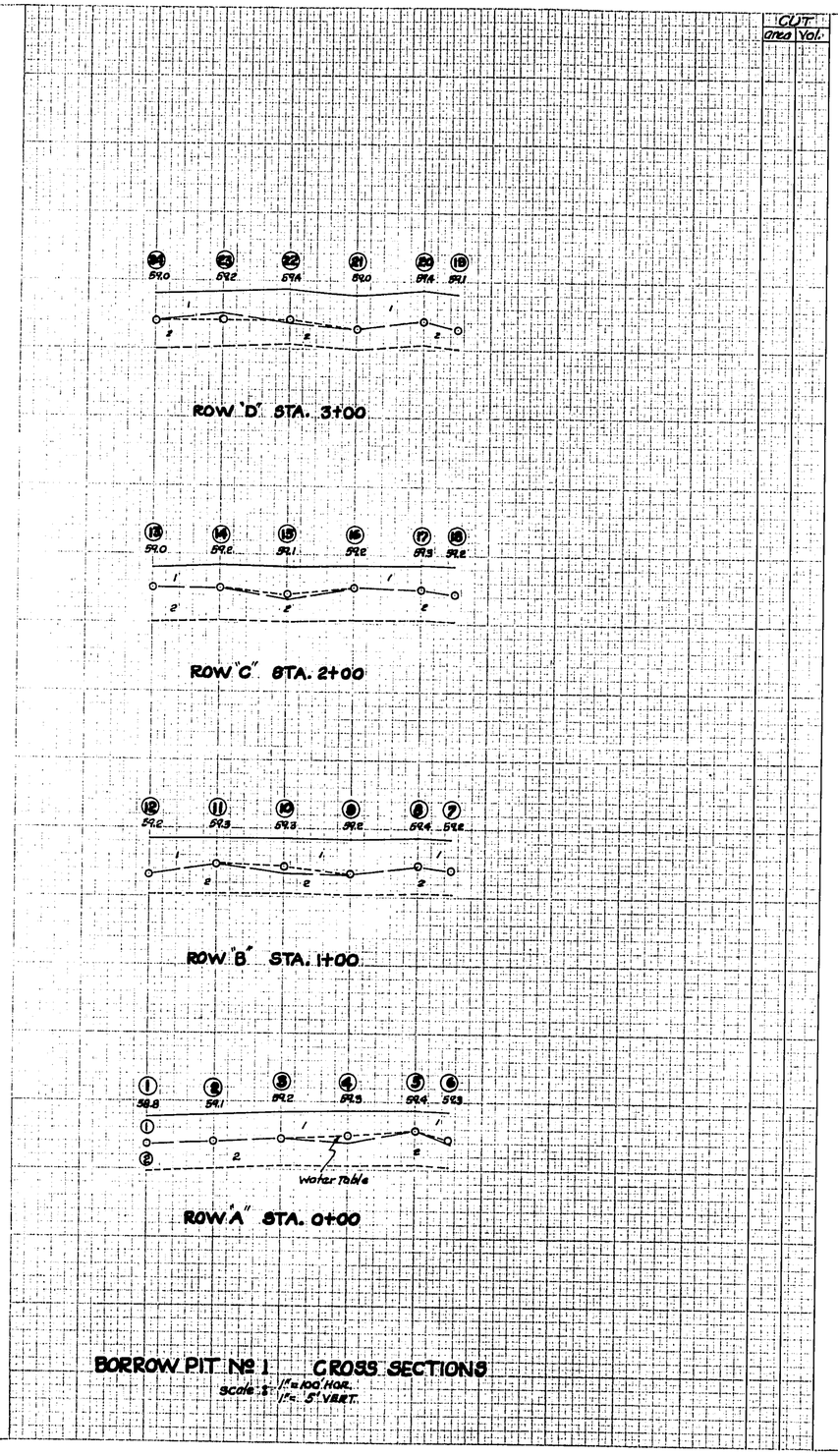


Scale: 1"=100'
Clearing & Grubbing Light

BORROW PIT Nº 1
SECTION 9207-104 ROAD Nº 60
OSCEOLA COUNTY

DESCRIPTION OF STRATA
STRATUM Nº 1 : WHITE & GREY SANDS
" " 2 : BROWN SAND (TRACE OF HARDPAN)

SUBMITTED BY : N.L.BRYAN, JR.
DIVISION : FIFTH
SURVEYED BY : HODGES & FOLSOM
DATE SURVEYED : JUNE 3, 1947



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

SOIL TEST RESULTS

Laboratory No.: 4408-S
Project No.: 9207-104
Road No.: 60
Division: Fifth
Submitted By: N. L. Bryan, Jr.

Date Sampled: 6/9/47
Date Received: 7/1/47
Date Tested: 7/8/47
Date Reported: 7/9/47
Sampled By: Hodges

REPORT OF TESTS OF MATERIAL FROM BORROW PIT FOR USE IN EMBANKMENT, SUBGRADE AND AS MINERAL AGGREGATE IN SAND BITUMINOUS ROAD MIX

Stratum No.	Bearing value Lbs. Per Sq. Inch	Group
1	16	A-3
2	67	A-3

EMBANKMENT AND SUBGRADE

The material from Stratum 1 appears satisfactory for use in embankment, but if used, the upper portion of grade should be constructed with selected material or stabilized with suitable material in the proper proportions so that a minimum value of 20 pounds per square inch will be obtained in the 12 inches immediately below the proposed pavement or base.

The material from Stratum 2 appears satisfactory for use in embankment or subgrade.

MINERAL AGGREGATE IN SAND BITUMINOUS ROAD MIX

The material from Stratum 1 is not satisfactory for use as mineral aggregate in sand bituminous road mix unless stabilized with suitable material in the proper proportions so as to produce resultant bearing values of 25 pounds or greater per square inch.

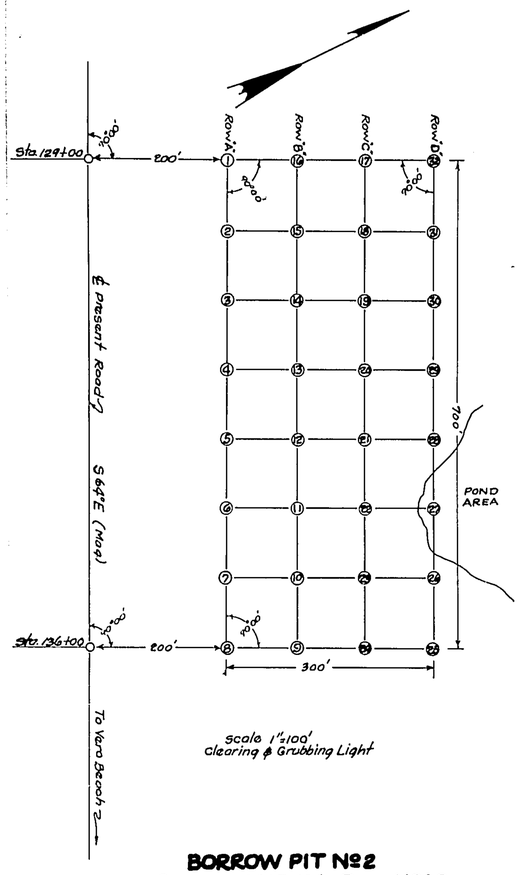
The material from Stratum 2 appears satisfactory for use in embankment or subgrade.

TESTED BY: Shanley-Myers
h

Division Engineer

STATE	COUNTY	ROAD	PROJECT	SHEET No
FLA	OSCEOLA	60	9207-104	29

B. M. Nº 13 Elev. 61.54
Nail in 2"x2" Hub at Fence, 35' Left Sta. 134+76

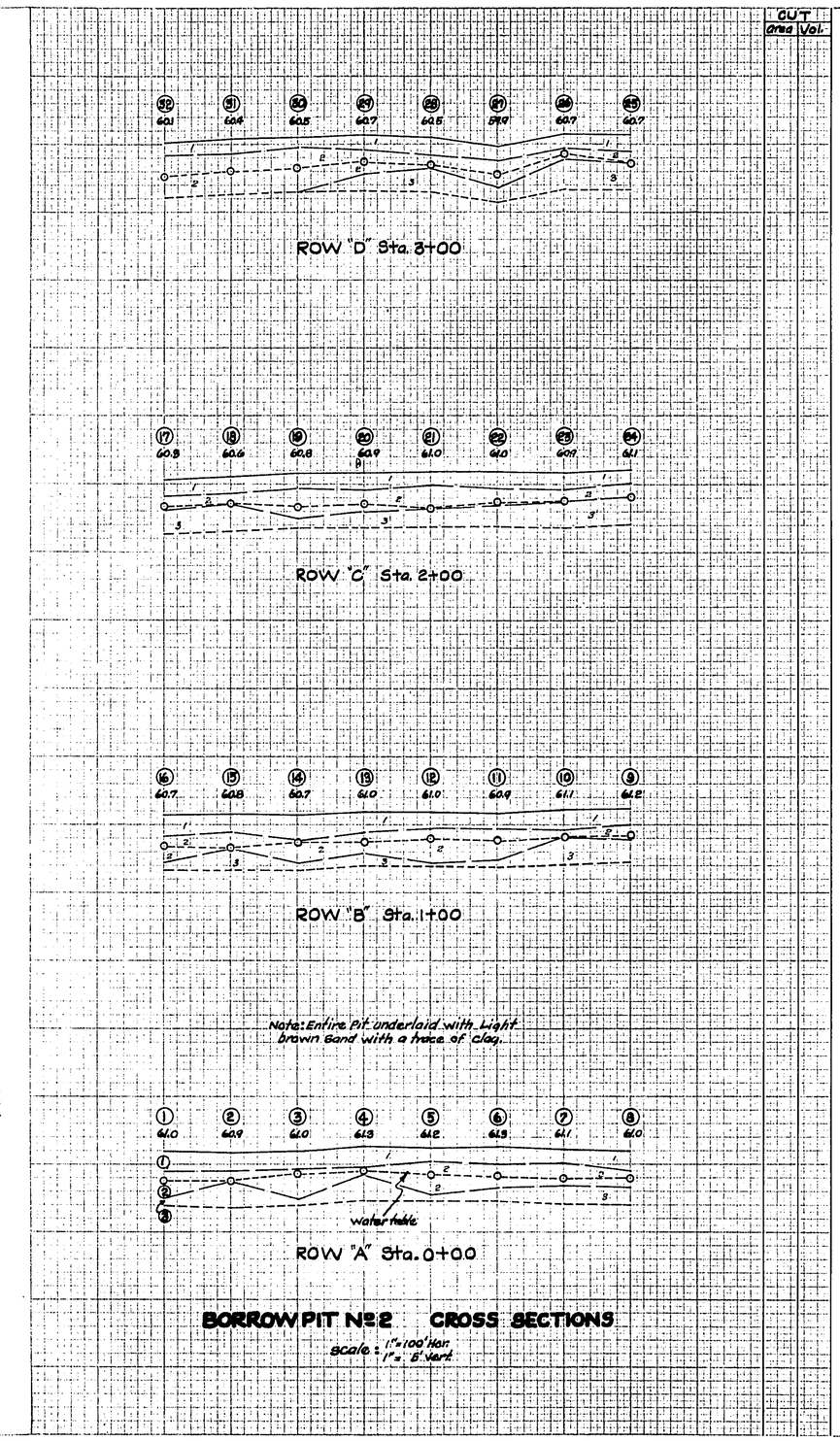


scale 1"=100'
Clearing & Grubbing Light

BORROW PIT Nº2
SECTION 9207-104 **ROAD Nº60**
OSCEOLA COUNTY

DESCRIPTION OF STRATA
STRATUM Nº 1 : GREY SAND (TOPSOIL)
" " 2 : GREY & WHITE SANDS
" " 3 : BROWN SAND (TRACE OF HARDPAN)

SUBMITTED BY : N. L. BRYAN, JR.
DIVISION : FIFTH
SURVEYED BY : HODGES & FOLSOM
DATE SURVEYED: JUNE 3, 1947



BORROW PIT Nº2 CROSS SECTIONS
scale: 1"=100' Hor.
1"= 5' Vert.

SOIL TEST RESULTS

Laboratory No.: 4408-S
Project No.: 9207-104
Road No.: 60
Division: Fifth
Submitted By: N. L. Bryan, Jr.

Date Sampled: 6/2/47
Date Received: 7/1/47
Date Tested: 7/8/47
Date Reported: 7/9/47
Sampled By: Hodges

REPORT OF TESTS OF MATERIAL FROM BORROW PIT FOR USE IN EMBANKMENT, SUBGRADE AND AS MINERAL AGGREGATE IN SAND BITUMINOUS ROAD MIX

Stratum No.	Bearing value Lbs. Per Sq. Inch	Group
1	26	A-3
2	16	A-3
3	60	A-3

EMBANKMENT AND SUBGRADE

The material from Stratum 1 appears satisfactory for use in embankment, but if used, the upper portion of grade should be constructed with selected material or stabilized with suitable material in the proper proportions so that a minimum bearing value of 30 pounds per square inch will be obtained in the 6 inches immediately below the proposed pavement or base.

The material from Stratum 2 appears satisfactory for use in embankment, but if used, the upper portion of grade should be constructed with selected material or stabilized with suitable material in the proper proportions so that a minimum bearing value of 30 pounds per square inch will be obtained in the 12 inches immediately below the proposed pavement or base.

The material from Stratum 3 appears satisfactory for use in embankment or subgrade.

MINERAL AGGREGATE IN SAND BITUMINOUS ROAD MIX

The material from Strata 1 and 3 appears satisfactory for use as mineral aggregate in sand bituminous road mix.

The material from Stratum 2 is not satisfactory for use as mineral aggregate in sand bituminous road mix unless stabilized with suitable material in the proper proportions so as to produce resultant bearing values of 25 pounds or greater per square inch.

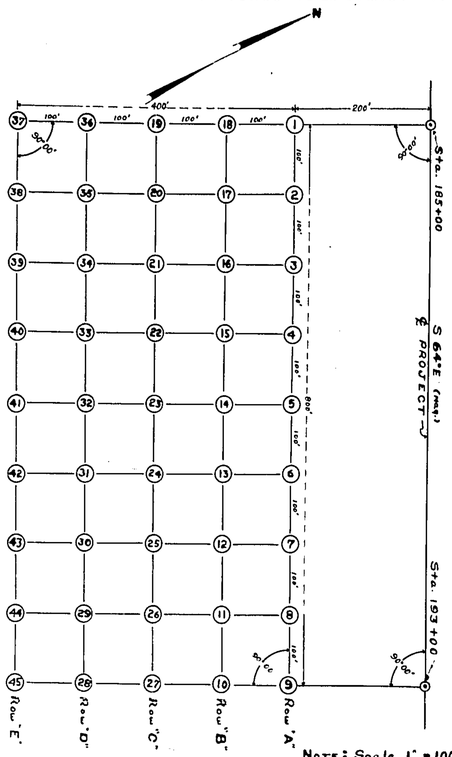
TESTED BY: Shanley-Myers
h

Division Engineer

(4-P)

STATE	COUNTY	ROAD Nº	PROJECT	SHEET Nº
FLA.	OSCEOLA	60	9207-104	30

B. M. Nº 18 Elev. 60.59
Nail in 2"x2" Hub at fence 49'Lt. Sta. 187+41

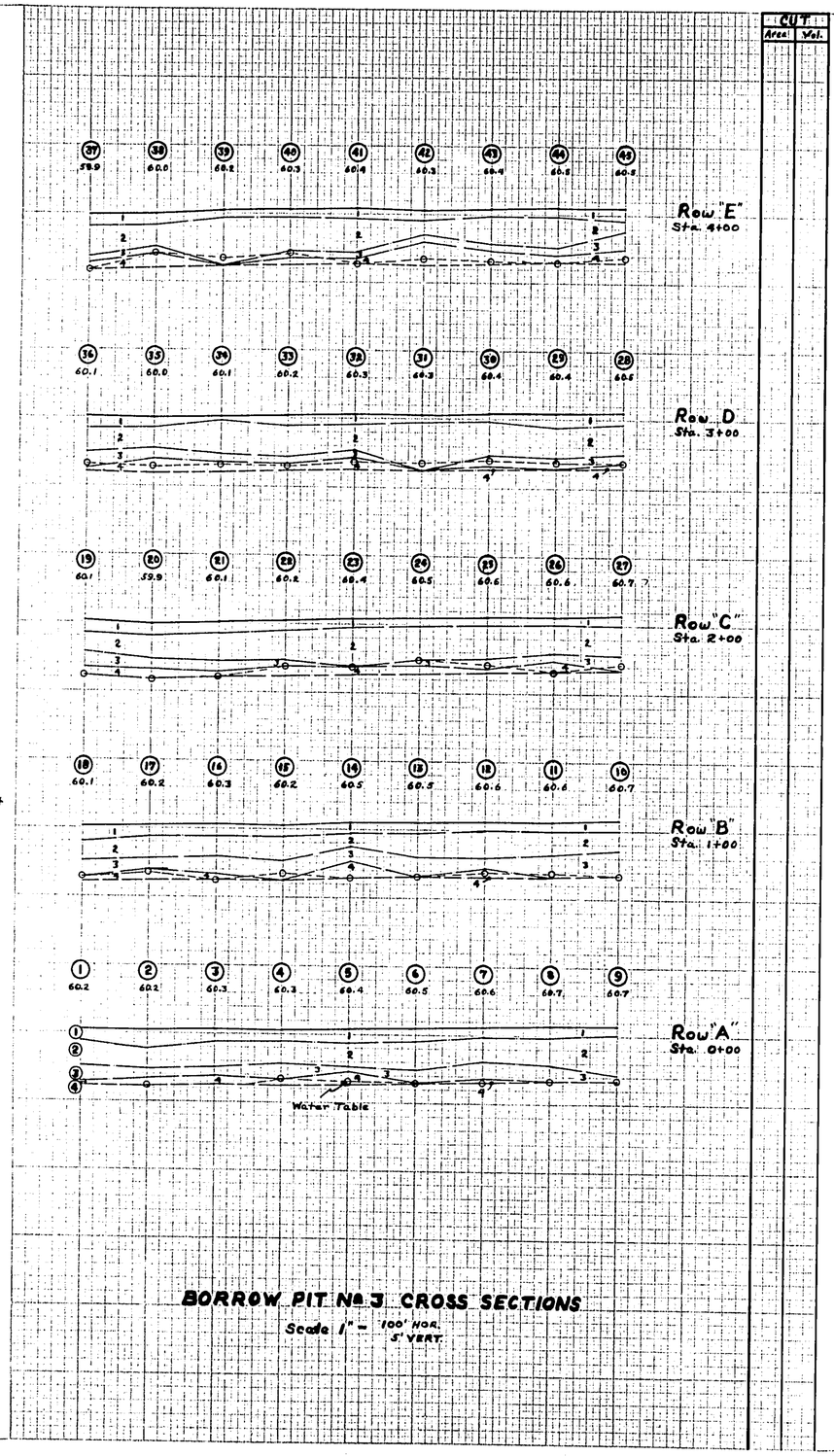


NOTE: Scale 1" = 100'
Clearing & Grubbing Light

BORROW PIT Nº 3
SECTION 9207-104 ROAD Nº 60
OSCEOLA COUNTY

DESCRIPTION of STRATA
STRATUM Nº 1: Lt. Grey Sand (Topsoil)
" " 2: White Sand
" " 3: Dr. Brown Sand (Tr. of Hardpan)
" " 4: Lt. Brown Sand (Tr. of Clay)

SUBMITTED BY: N.L. BRYAN JR.
DIVISION : FIFTH
SURVEYED BY: O'TOOLE & HOLLAND
DATE SURVEYED: MAY 24, 1947



BORROW PIT Nº 3 CROSS SECTIONS
Scale 1" = 100' HOR.
5' VERT.

SOIL TEST RESULTS

Laboratory No.: 4408-S
Project No.: 9207-104
Road No.: 60
Division: Fifth
Submitted By: N. L. Bryan, Jr.

Date Sampled: 6/9/47
Date Received: 7/1/47
Date Tested: 7/8/47
Date Reported: 7/9/47
Sampled By: Hodges

REPORT OF TESTS OF MATERIAL FROM BORROW PIT FOR USE IN EMBANKMENT, SUBGRADE, AND AS MINERAL AGGREGATE IN SAND BITUMINOUS ROAD MIX

Stratum No.	Bearing value Lbs. Per Sq. Inch	Group
1	22	A-3
2	18	A-2
3	66	A-3
4	182	A-2

EMBANKMENT AND SUBGRADE

The material from Strata 1, 3 and 4 appears satisfactory for use in embankment or subgrade.

The material from Stratum 2 appears satisfactory for use in embankment, but if used, the upper portion of grade should be constructed with selected material or stabilized with suitable material in the proper proportions so that a minimum bearing value of 30 pounds per square inch will be obtained in the 12 inches immediately below the proposed pavement or base.

MINERAL AGGREGATE IN SAND BITUMINOUS ROAD MIX

The material from Strata 1, 3 and 4 appears satisfactory for use as mineral aggregate in sand bituminous road mix.

The material from Stratum 2 is not satisfactory for use as mineral aggregate in sand bituminous road mix unless stabilized with suitable material in the proper proportions so as to produce resultant bearing value of 35 pounds or greater per square inch.

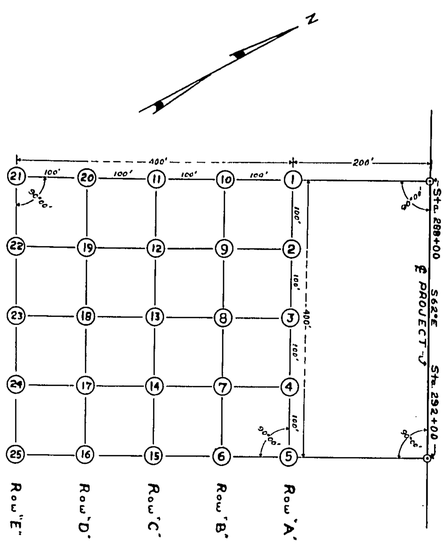
TESTED BY: Shanley-Myers
h

Division Engineer

(4-P)

STATE	COUNTY	ROAD Nº	PROJECT	SHEET Nº
FLA.	OSCEOLA	60	9207-104	31

B. M. Nº 28 Elev. 61.94
U.S.C. & G. # C 63. 48 Rt. Sta. 289+00

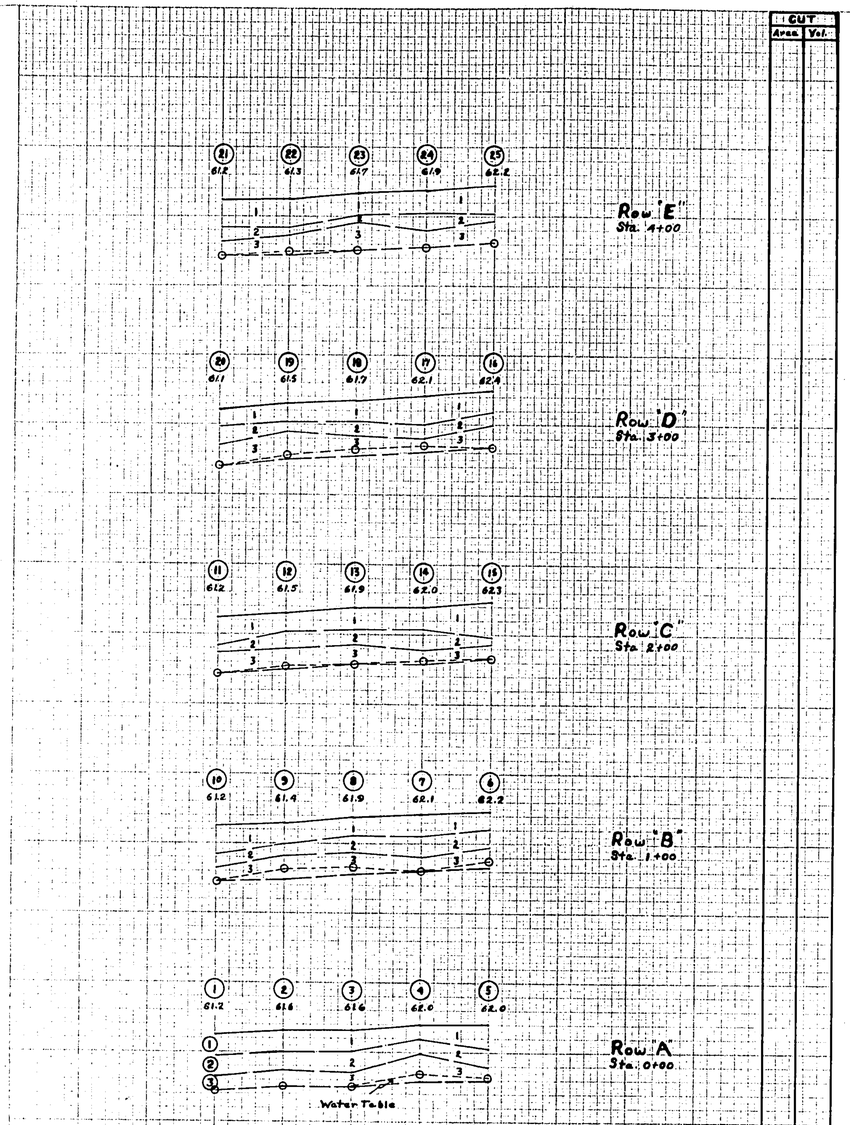


Note: Scale 1"=100'
Clearing & Grubbing Light

BORROW PIT Nº 4
SECTION 9207-104 ROAD Nº 60
OSCEOLA COUNTY

DESCRIPTION of STRATA
STRATUM Nº 1 : Lt Grey & White Sands
2 : Brown Sand (Tp of Hard Pan)
3 : Lt Brown & White Sands (Tp of Clay)

SUBMITTED BY : N. L. BRYAN JR
DIVISION : FIFTH
SURVEYED BY : HODGES
DATE SURVEYED : MAY 26, 1947



BORROW PIT Nº 4 CROSS SECTIONS

Scale 1" = 100' HOR. 5' VERT.

SOIL TEST RESULTS

Laboratory No.: 4408-S
Project No.: 9207-104
Road No.: 60
Division: Fifth
Submitted By: N. L. Bryan, Jr.

Date Sampled: 6/9/47
Date Received: 7/1/47
Date Tested: 7/8/47
Date Reported: 7/10/47
Sampled By: Hodges

REPORT OF TESTS OF MATERIAL FROM BORROW PIT FOR USE IN EMBANKMENT, SUBGRADE AND AS MINERAL AGGREGATE IN SAND BITUMINOUS ROAD MIX

Stratum No.	Bearing value Lbs. Per Sq. Inch	Group
1	32	A-7
2	42	A-7
3	151	A-2

EMBANKMENT AND SUBGRADE

The material from Stratum 1 appears satisfactory for use in embankment, but if used, the upper portion of grade should be constructed with selected material or stabilized with suitable material in the proper proportions so that a minimum bearing value of 70 pounds per square inch will be obtained in the 6 inches immediately below the proposed pavement or base.

The material from Strata 2 and 3 appears satisfactory for use in embankment or subgrade.

MINERAL AGGREGATE IN SAND BITUMINOUS ROAD MIX

The material from Stratum 1 is not satisfactory for use as mineral aggregate in sand bituminous road mix unless stabilized with suitable material in the proper proportions so as to produce resultant bearing values of 25 pounds or greater per square inch.

The material from Strata 2 and 3 appears satisfactory for use as mineral aggregate in sand bituminous road mix.

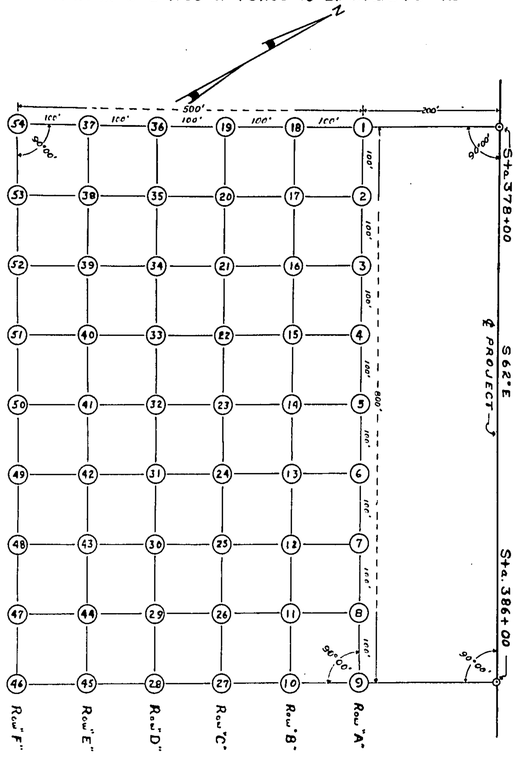
TESTED BY: Shanley-Myers
h

Division Engineer

(4-P)

STATE	COUNTY	ROAD Nº	PROJECT	SHEET Nº
FLA.	OSCEOLA	60	9207 104	32

B.M. Nº 37 Elev. 67.15
Nail in 2"x2" Hub at fence 45' Lt Sta. 376+42

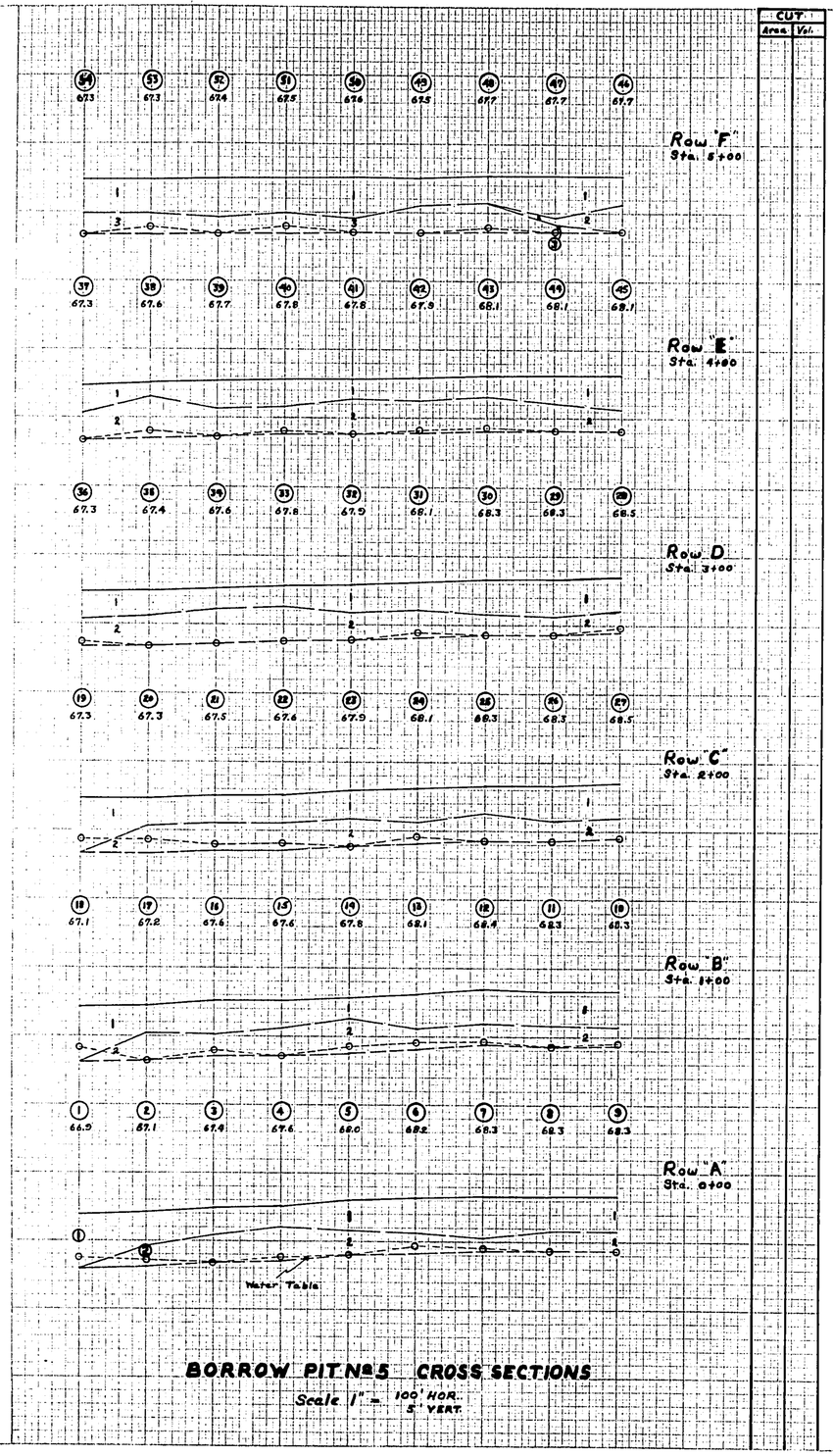


NOTE: Scale 1"-100' Clearing & Grubbing Light

BORROW PIT Nº 5
SECTION 9207-104 ROAD Nº 60
OSCEOLA COUNTY

DESCRIPTION of STRATA
STRATUM Nº 1: Grey & White Sands
2: Lt Brown Sand (tr. of Hard Pan)
3: Lt Brown & White Sands (tr. of Clay)

SUBMITTED BY: N. L. BRYAN JR
DIVISION: FIFTH
SURVEYED BY: HODGES
DATE SURVEYED: MAY 26, 1947



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

SOIL TEST RESULTS

Laboratory No.: 4408-S
Project No.: 9207-104
Road No.: 60
Division: Fifth
Submitted By: N. L. Bryan, Jr.

Date Sampled: 6/9/47
Date Received: 7/1/47
Date Tested: 7/6/47
Date Reported: 7/10/47
Sampled By: Hodges

REPORT OF TESTS OF MATERIAL FROM BORROW PIT FOR USE IN EMBANKMENT, SUBGRADE AND AS MINERAL AGGREGATE IN SAND BITUMINOUS ROAD MIX

Stratum No.	Bearing value Lbs. Per Sq. Inch	Group
1	21	A-3
2	26	A-3
3	170	A-2

EMBANKMENT AND SUBGRADE

The material from Strata 1 and 2 appears satisfactory for use in embankment, but if used, the upper portion of grade should be constructed with selected material or stabilized with suitable material in the proper proportions so that a minimum bearing value of 30 pounds per square inch will be obtained in the 6 inches immediately below the proposed pavement or base.

The material from Stratum 3 appears satisfactory for use in embankment or subgrade.

MINERAL AGGREGATE IN SAND BITUMINOUS ROAD MIX

The material from Stratum 1 is not satisfactory for use as mineral aggregate in sand bituminous road mix unless stabilized with suitable material in the proper proportions so as to produce resultant bearing values of 25 pounds or greater per square inch.

The material from Strata 2 and 3 appears satisfactory for use as mineral aggregate in sand bituminous road mix.

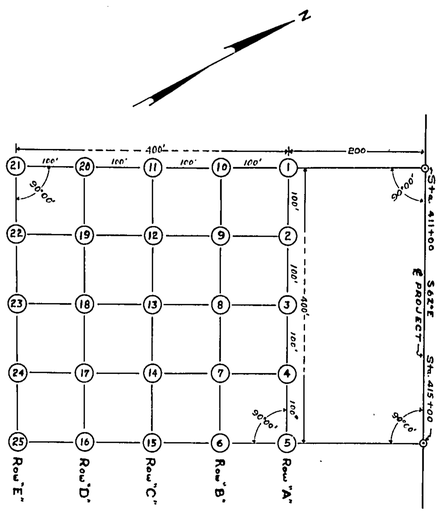
TESTED BY: Shanley-Myers
h

Division Engineer

(4-P)

STATE	COUNTY	ROAD Nº	PROJECT	SHEET Nº
FLA	OSCEOLA	60	9207 104	33

B. M. Nº 40 **Elev. 68.93**
Nail in 2"x2" Hub at fence 50' Rt. Sta. 408+95

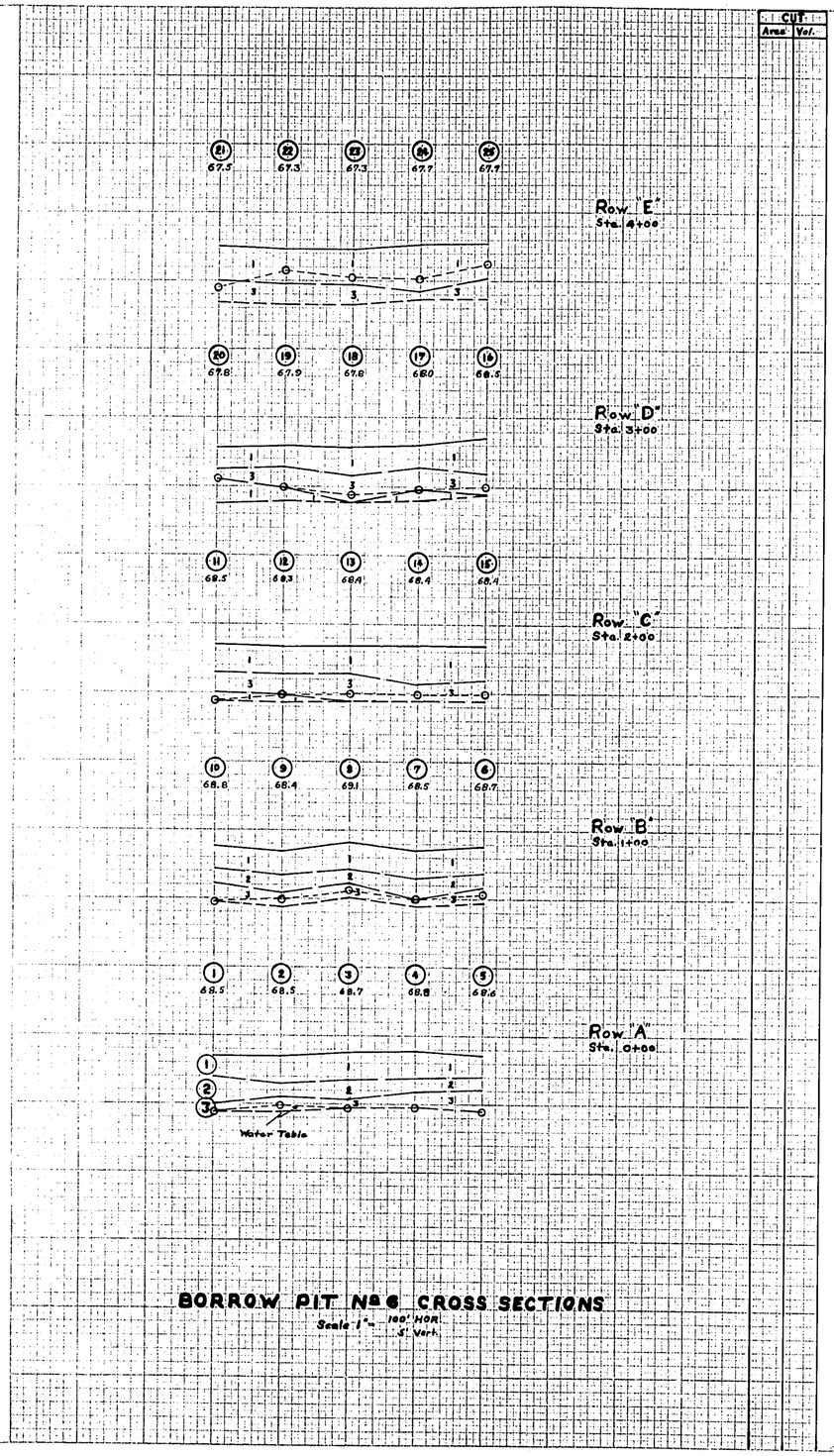


Note: Scale 1" = 100'
Clearing & Grubbing Light

BORROW PIT Nº 6
SECTION 9207-104 ROAD Nº 60
OSCEOLA COUNTY

DESCRIPTION of STRATA
STRATUM Nº 1: Grey & White Sands
" " 2: Brown Sand (fr. of Hard Pan)
" " 3: Lt. Brown Sand (fr. of Clay

Submitted By: N. L. Bryan Jr.
Division : Fifth
Surveyed By: Hodges
Date Surveyed : May 27, 1947



BORROW PIT Nº 6 CROSS SECTIONS
Scale 1"= 100' HOR.
5' Vert.

SOIL TEST RESULTS

Laboratory No.: 4408-S
Project No.: 9207-104
Road No.: 60
Division: Fifth
Submitted By: N. L. Bryan, Jr.

Date Sampled: 6/9/47
Date Received: 7/1/47
Date Tested: 7/8/47
Date Reported: 7/10/47
Sampled By: Hodges

REPORT OF TESTS OF MATERIAL FROM BORROW PIT FOR USE IN EMBANKMENT, SUBGRADE AND AS MINERAL AGGREGATE IN SAND BITUMINOUS ROAD MIX

Stratum No.	Bearing value Lbs. Per Sq. Inch	Group
1	13	A-3
2	20	A-3
3	87	A-2

EMBANKMENT AND SUBGRADE

The material from Stratum 1 appears satisfactory for use in embankment, but if used, the upper portion of grade should be constructed with selected material or stabilized with suitable material in the proper proportions so that a minimum bearing value of 20 pounds per square inch will be obtained in the 12 inches immediately below the proposed pavement or base.

The material from Strata 2 and 3 appears satisfactory for use in embankment or subgrade.

MINERAL AGGREGATE IN SAND BITUMINOUS ROAD MIX

The material from Stratum 1 is not satisfactory for use as mineral aggregate in sand bituminous road mix unless stabilized with suitable material in the proper proportions so as to produce resultant bearing values of 25 pounds or greater per square inch.

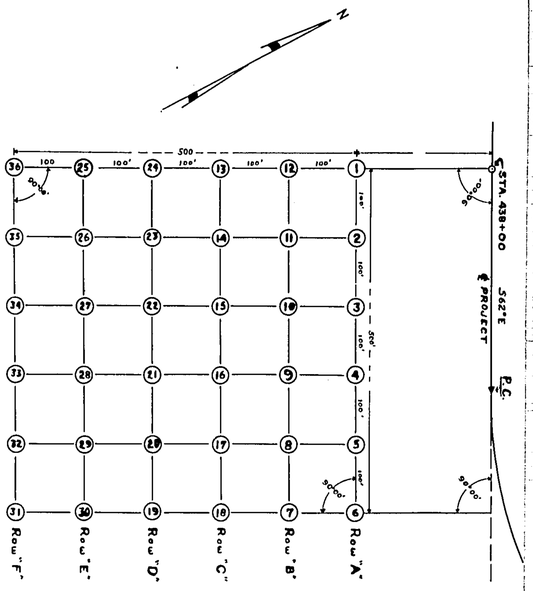
The material from Strata 2 and 3 appears satisfactory for use as mineral aggregate in sand bituminous road mix.

TESTED BY: Shanley-Myers
h

Division Engineer

STATE	COUNTY	ROAD No.	PROJECT	SHEET No.
FLA.	OSCEOLA	60	9207-104	34

B. M. No. 43 **Elev. 70.43**
Nail in 2"×2" Hub at fence 42' Lt. Sta. 436+85

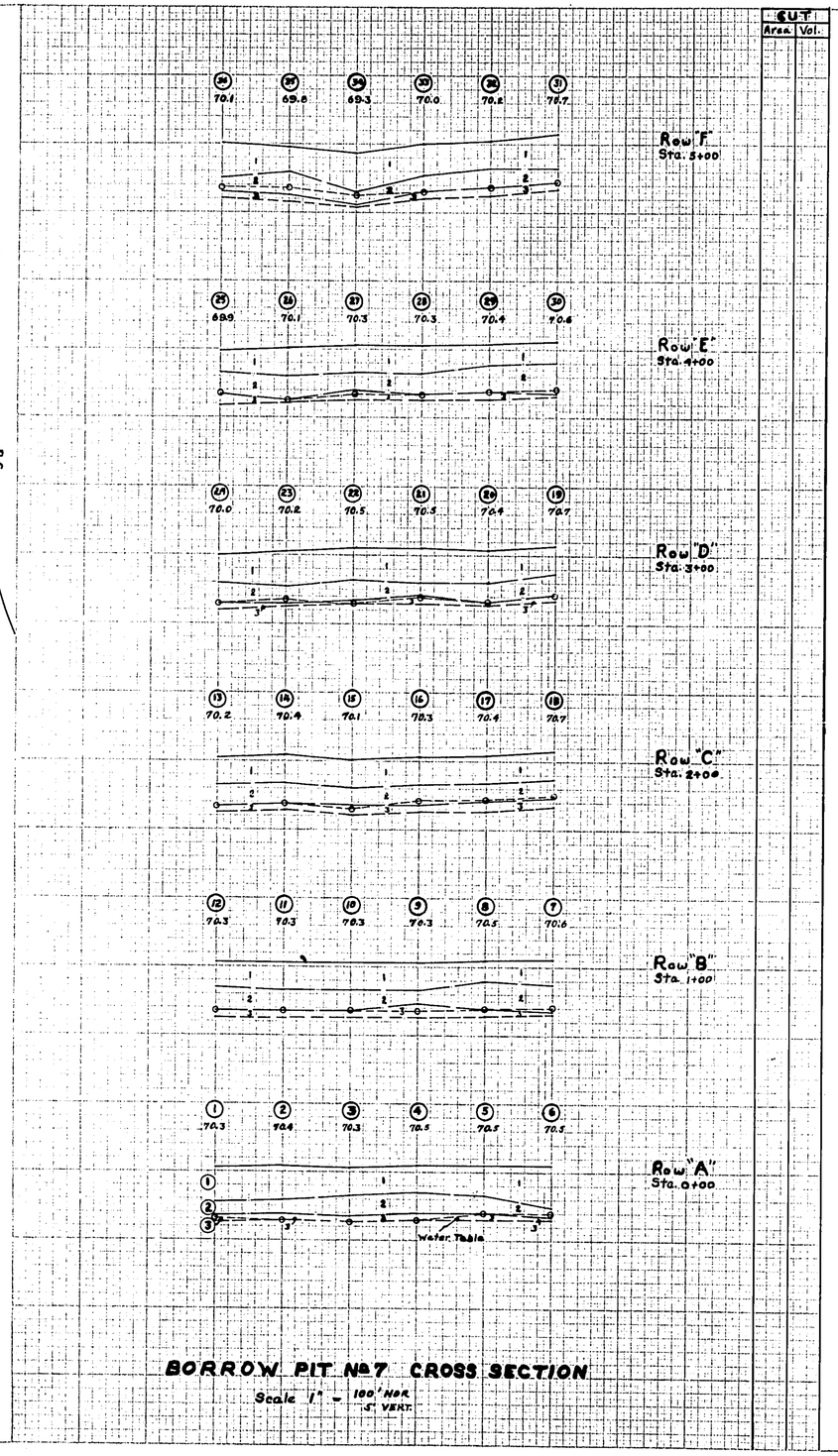


Note: Scale 1" = 100'
Clearing & Grubbing Light

BORROW PIT No. 7
SECTION 9207-104 ROAD No. 60
OSCEOLA COUNTY

DESCRIPTION of STRATA		
STRATUM No.	1	Grey & White Sands
" "	2	Brown Sand
" "	3	Brown & White Sands (trace of Clay)

Submitted By: N L Bryan Jr.
Division : Fifth
Surveyed By : Hodges
Date Surveyed : May 27-1947



BORROW PIT No. 7 CROSS SECTION
Scale 1" = 100' HOR.
5' VERT.

SOIL TEST RESULTS

Laboratory No.: 4408-S
Project No.: 9207-104
Road No.: 60
Division : Fifth
Submitted By: N. L. Bryan, Jr.

Date Sampled: 6/9/47
Date Received: 7/1/47
Date Tested: 7/8/47
Date Reported: 7/10/47
Sampled By: Hodges

REPORT OF TESTS OF MATERIAL FROM BORROW PIT FOR USE IN EMBANKMENTS, SUBGRADE AND AS MINERAL AGGREGATE IN SAND BITUMINOUS ROAD MIX

Stratum No.	Bearing value Lbs. Per Sq. Inch	Group
1	16	A-7
2	42	A-3
3	98	A-2

EMBANKMENT AND SUBGRADE

The material from Stratum 1 appears satisfactory for use in embankment, but if used, the upper portion of grade should be constructed with selected material or stabilized with suitable material in the proper proportions so that a minimum bearing value of 30 pounds per square inch will be obtained in the 12 inches immediately below the proposed pavement or base.

The material from Strata 2 and 3 appears satisfactory for use in embankment or subgrade.

MINERAL AGGREGATE IN SAND BITUMINOUS ROAD MIX

The material from Stratum 1 is not satisfactory for use as mineral aggregate in sand bituminous road mix unless stabilized with suitable material in the proper proportions so as to produce resultant bearing values of 25 pounds or greater per square inch.

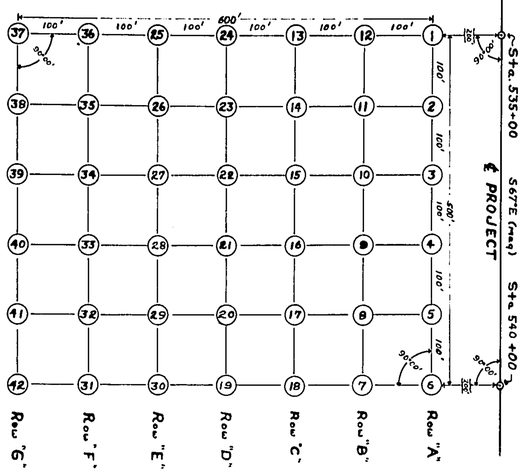
The material from Strata 2 and 3 appears satisfactory for use as mineral aggregate in sand bituminous road mix.

PREPARED BY: Stanley-Myers
h

H. W. Williams
Division Engineer

STATE	COUNTY	ROAD Nº	PROJECT	SHEET Nº
FLA.	OSCEOLA	60	9207-104	35

B.M. Nº 54 Elev. 69.45
Nail in 2"x2" Hub at fence 50' Lt. 536+40

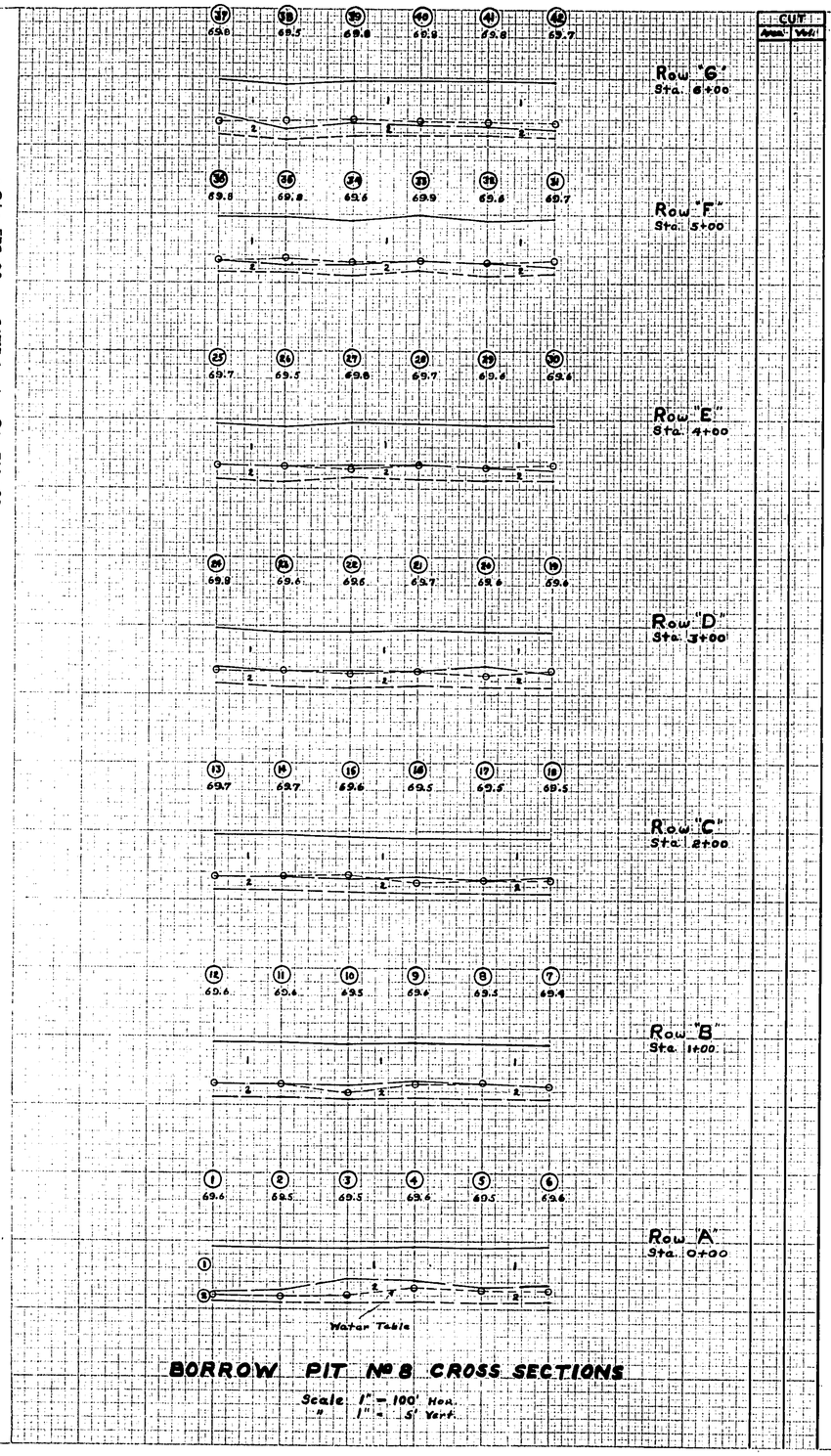


Scale 1" = 100'
Clearing & Grubbing Light

BORROW PIT Nº 8
SECTION 9207-104 ROAD Nº 60
OSCEOLA COUNTY

DESCRIPTION of STRATA
STRATUM Nº 1: Grey & White Sands
" " 2: Brown & White Sands (Trace of Clay)

Submitted By : N. L. Bryan Jr.
Division : Fifth
Surveyed By : Hodges
Date Surveyed : May 28, 1947



BORROW PIT Nº 8 CROSS SECTIONS
Scale 1" = 100' Hor.
" 1" = 5' Vert.

SOIL TEST RESULTS

Laboratory No.: 4408-S
Project No.: 9207-104
Road No.: 60
Division: Fifth
Submitted By: N. L. Bryan, Jr.

Date Sampled: 6/9/47
Date Received: 7/1/47
Date Tested: 7/6/47
Date Reported: 7/10/47
Sampled By: Hodges

REPORT OF TESTS OF MATERIAL FROM BORROW PIT FOR USE IN EMBANKMENT, SUBGRADE AND AS MINERAL AGGREGATE IN SAND BITUMINOUS ROAD MIX

Stratum No.	Bearing value Lbs. Per Sq. Inch	Group
1	28	A-3
2	102	A-2

EMBANKMENT AND SUBGRADE

The material from Stratum 1 apreers satisfactory for use in embankment, but if used, the upper portion of grade should be constructed with selected material or stabilized with suitable material in the proper proportions so that a minimum bearing value of 30 pounds per square inch will be obtained in the 6 inches immediately below the proposed pavement or base.

The material from Stratum 2 appears satisfactory for use in embankment or subgrade.

MINERAL AGGREGATE IN SAND BITUMINOUS ROAD MIX

The material from Strata 1 and 2 appears satisfactory for use as mineral aggregate in sand bituminous road mix.

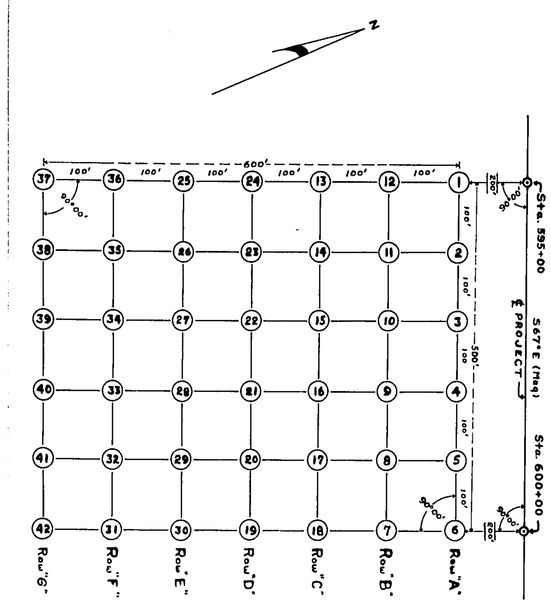
TESTED BY: Shanley-Myers
h

Division Engineer

(4-1)

STATE	COUNTY	ROAD Nº	PROJECT	SHEET Nº
FLA.	OSCEOLA	60	9207-104	36

B.M. Nº 60 Elev. 68.74
Nail in 2"x2" Hub at fence 52' Lt. Sta. 598+15

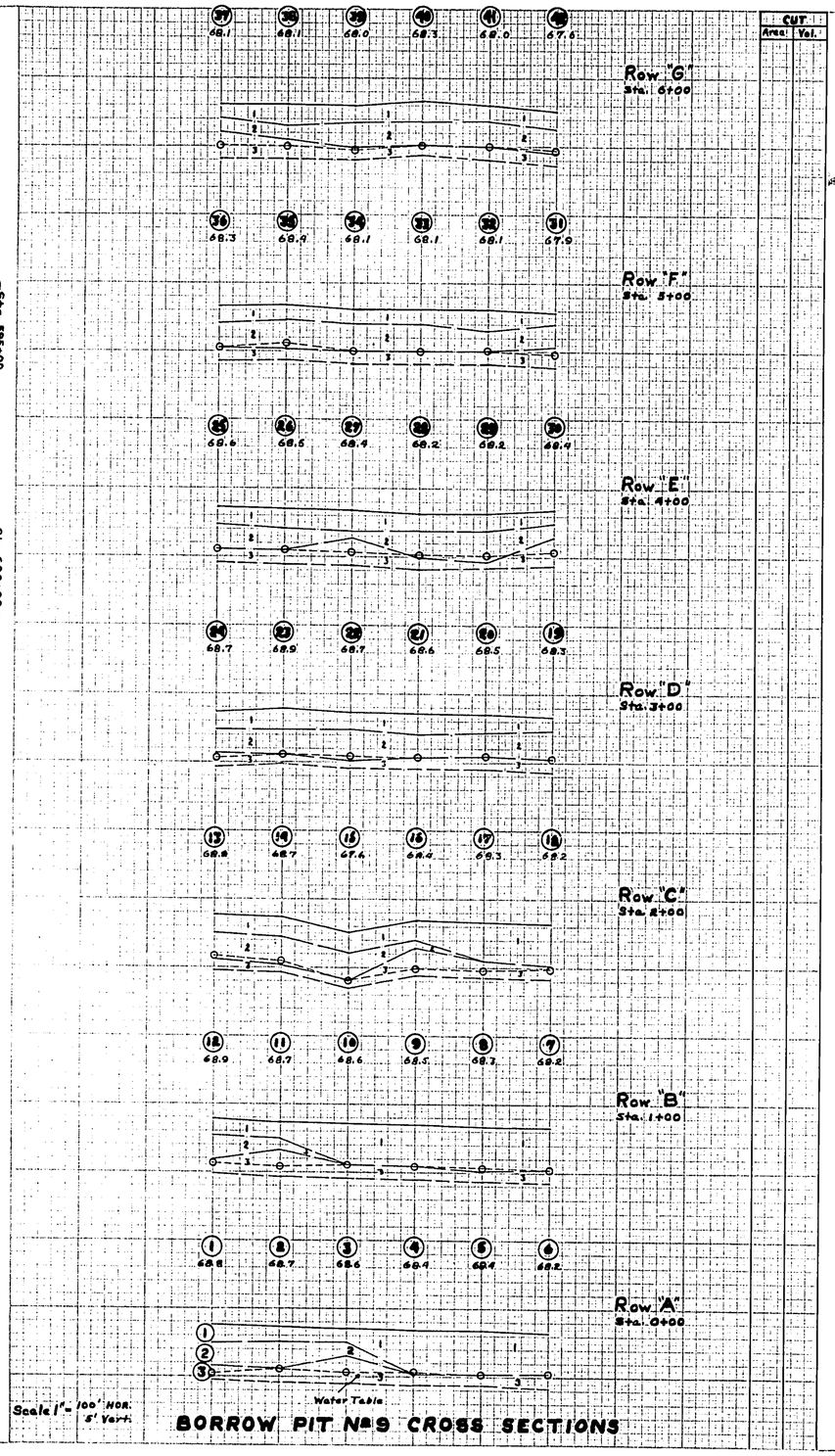


Note: Scale 1" = 100'
Clearing & Grubbing Light

BORROW PIT Nº 9
SECTION 9207-104 ROAD Nº 60
OSCEOLA COUNTY

DESCRIPTION of STRATA	
STRATUM Nº	1: Grey & White Sands
" "	2: Brown Sand (trace of hard pan)
" "	3: Brown & White Sands (trace of Clay)

Submitted By: N. L. Bryan Jr.
Division : Fifth
Surveyed By: Hodges
Date Surveyed : May 28, 1947



BORROW PIT Nº 9 CROSS SECTIONS

SOIL TEST RESULTS

Laboratory No.: 4408-S
Project No.: 9207-104
Road No.: 60
Division: Fifth
Submitted By: N. L. Bryan, Jr.

Date Sampled: 6/9/47
Date Received: 7/1/47
Date Tested: 7/8/47
Date Reported: 7/10/47
Sampled By: Hodges

REPORT OF TESTS OF MATERIAL FROM BORROW PIT FOR USE IN EMBANKMENT, SUBGRADE AND AS MINERAL AGGREGATE IN SAND BITUMINOUS ROAD MIX

Stratum No.	Bearing value Lbs. Per Sq. Inch	Group
1	23	A-3
2	85	A-3
3	38	A-3

EMBANKMENT AND SUBGRADE

The material from Stratum 1 appears satisfactory for use in embankment, but if used, the upper portion of grade should be constructed with selected material or stabilized with suitable material in the proper proportions so that a minimum bearing value of 30 pounds per square inch will be obtained in the 6 inches immediately below the proposed pavement or base.

The material from Strata 2 and 3 appears satisfactory for use in embankment or subgrade.

MINERAL AGGREGATE IN SAND BITUMINOUS ROAD MIX

The material from Stratum 1 is not satisfactory for use as mineral aggregate in sand bituminous road mix unless stabilized with suitable material in the proper proportions so as to produce resultant bearing values of 35 pounds or greater per square inch.

The material from Strata 2 and 3 appears satisfactory for use as mineral aggregate in sand bituminous road mix.

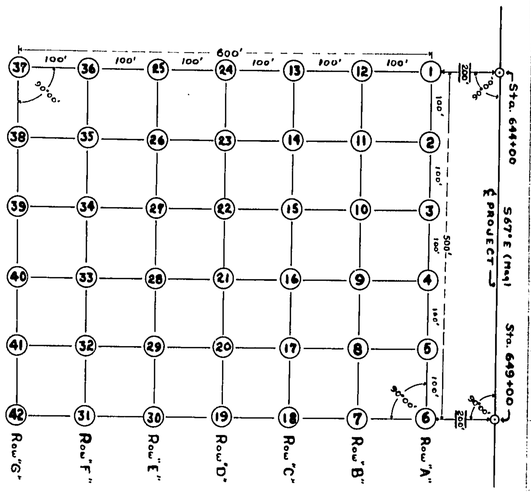
TESTED BY: Shanley-Myers
h

Division Engineer

(4-P)

STATE	COUNTY	ROAD No	PROJECT	SHEET No
FLA.	OSCEOLA	60	9207-104	37

B. M. No 65 **Elev. 69.30**
Nail in 2"x2" Hub at fence 41' Lt. Sta. 649+23

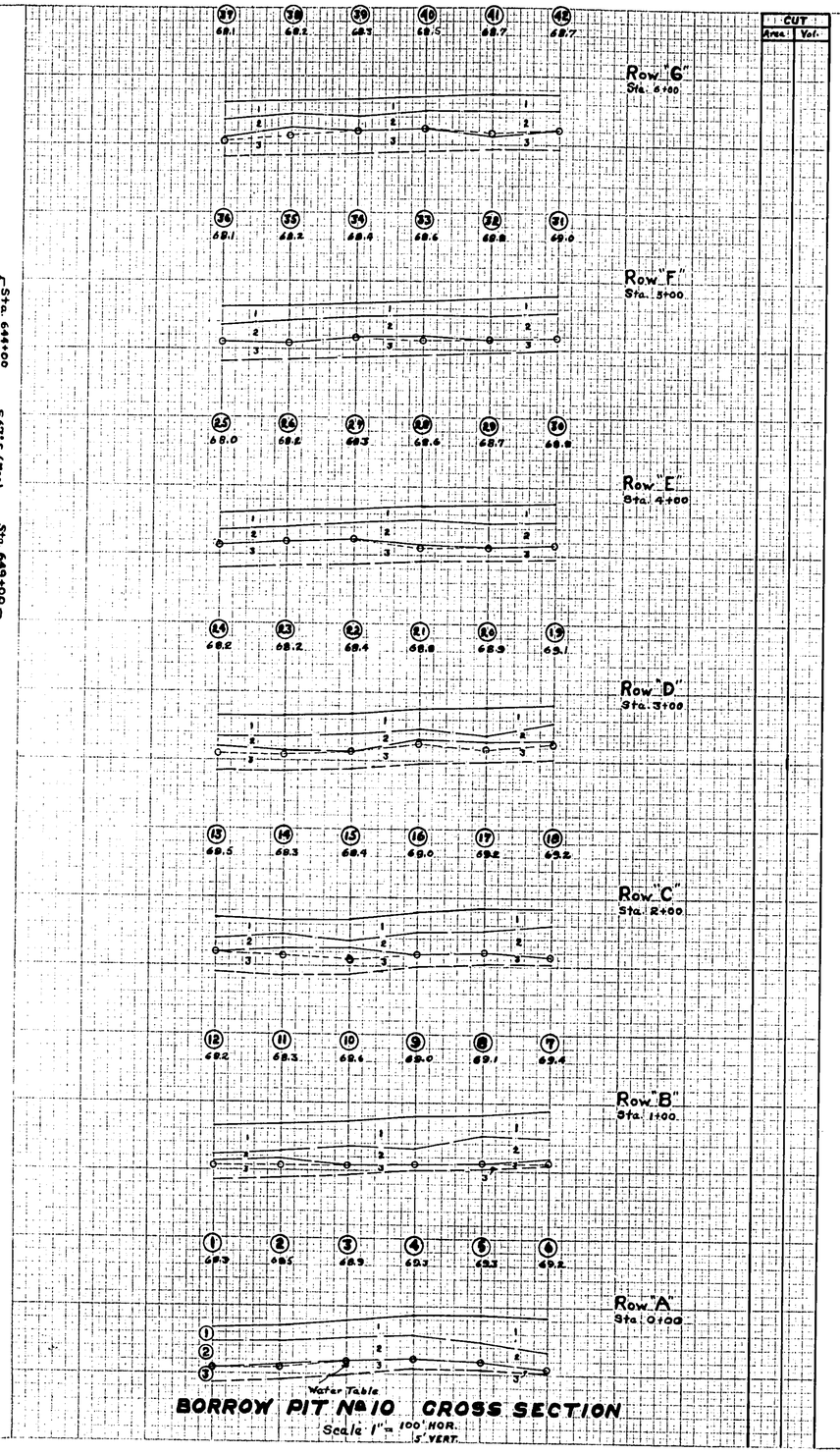


North Scale 1" = 100'
Clearing & Grubbing Light

BORROW PIT No 10
SECTION 9207-104 ROAD No 60
OSCEOLA COUNTY

DESCRIPTION of STRATA	
STRATUM No	1: Grey & White Sands
" "	2: Brown Sand (trace of hard pan)
" "	3: Brown & White Sands (trace of Clay)

SUBMITTED BY: N.L. BRYAN JR.
DIVISION : FIFTH
SURVEYED BY: HODGES
DATE SURVEYED : MAY 29, 1947



BORROW PIT No 10 CROSS SECTION
Scale 1" = 100' HOR.
5' VERT.

SOIL TEST RESULTS

Laboratory No.: 4408-S
Project No.: 9207-104
Road No.: 60
Division: Fifth
Submitted By: N. L. Bryan, Jr.

Date Sampled: 6/9/47
Date Received: 7/1/47
Date Tested: 7/8/47
Date Reported: 7/10/47
Sampled By: Hodges

REPORT OF TESTS OF MATERIAL FROM BORROW PIT FOR USE IN EMBANKMENT, SUBGRADE AND AS MINERAL AGGREGATE IN SAND BITUMINOUS ROAD MIX

Stratum No.	Bearing value Lbs. Per Sq. Inch	Group
1	33	A-3
2	44	A-3
3	78	A-2

EMBANKMENT AND SUBGRADE

The material from Stratum 1 appears satisfactory for use in embankment, but if used, the upper portion of grade should be constructed with selected material or stabilized with suitable material in the proper proportions so that a minimum bearing value of 30 pounds per square inch will be obtained in the 6 inches immediately below the proposed pavement or base.

The material from Strata 2 and 3 appears satisfactory for use in embankment or subgrade.

MINERAL AGGREGATE IN SAND BITUMINOUS ROAD MIX

The material from Stratum 1 is not satisfactory for use as mineral aggregate in sand bituminous road mix unless stabilized with suitable material in the proper proportions so as to produce resultant bearing values of 25 pounds or greater per square inch.

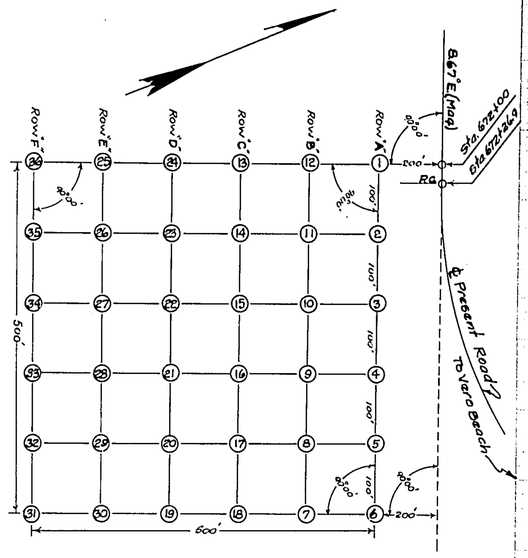
The material from Strata 2 and 3 appears satisfactory for use as mineral aggregate in sand bituminous road mix.

TESTED BY: Shanley-Myers
h

Division Engineer

(4-P)

B.M. Nº 68 Elev. 68.59
Nail in 2"x2" Hub at Fence, 96' Left Sta. 676+88

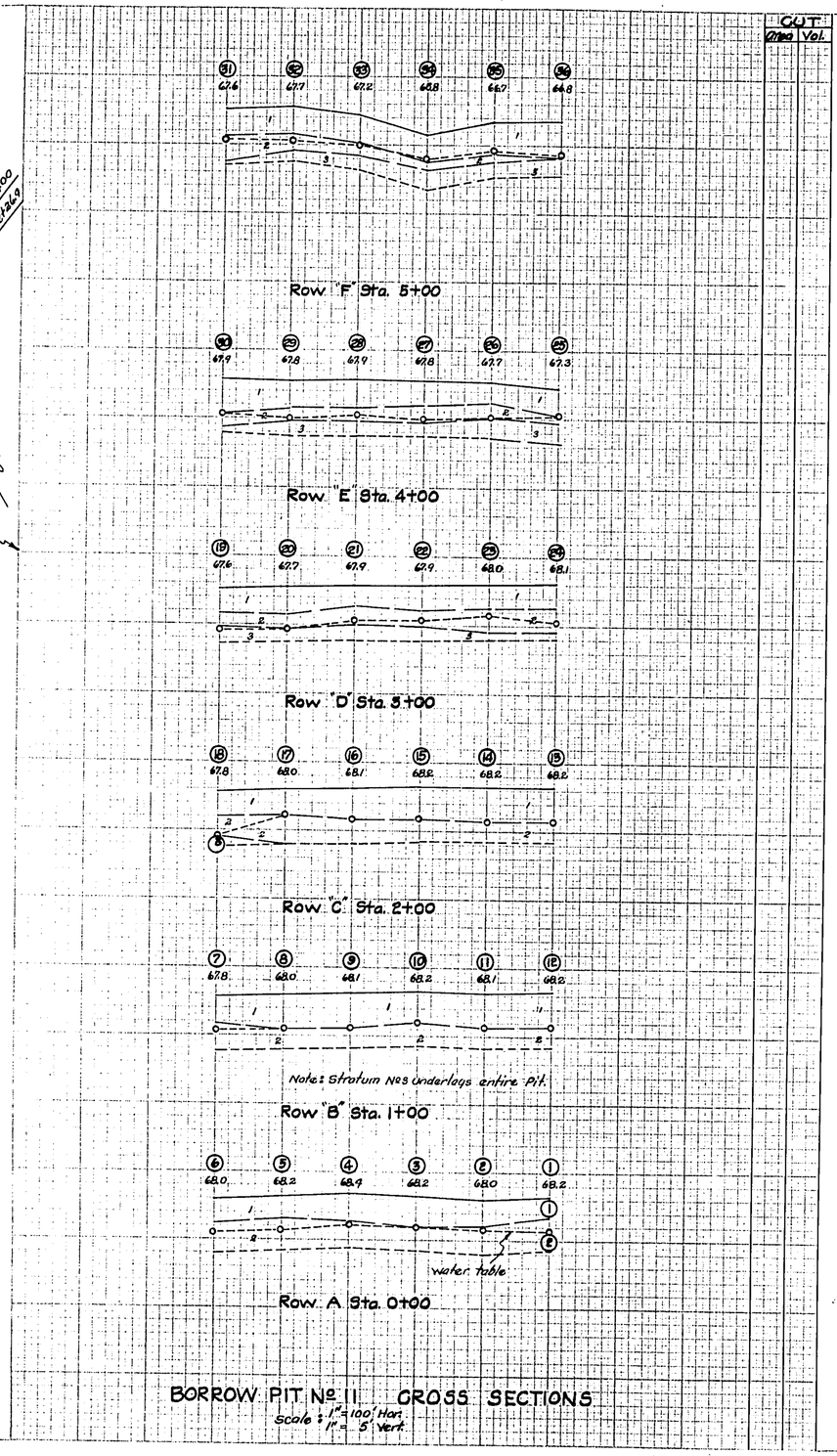


Scale: 1" = 100'
Clearing & Grubbing Light

BORROW PIT Nº 11
SECTION 9207-104 ROAD Nº 60
OSCEOLA COUNTY

DESCRIPTION OF STRATA
STRATUM Nº 1: GREY & WHITE SAND
" " 2: BROWN SAND (HARDPAN)
" " 3: BROWN & WHITE SAND (TRACE OF CLAY)

SUBMITTED BY : N.L. BRYAN, JR.
DIVISION : FIFTH
SURVEYED BY : HODGES & FOLSOM
DATE SURVEYED : JUNE 2, 1947



BORROW PIT Nº 11 CROSS SECTIONS
Scale: 1" = 100' Horz
1" = 5' Vert

STATE	COUNTY	ROAD	PROJECT	SHEET Nº
FLA	OSCEOLA	60	9207-104	38

SOIL TEST RESULTS

Laboratory No.: 4408-S
Project No.: 9207-104
Road No.: 60
Division: Fifth
Submitted By: N. L. Bryan, Jr.

Date Sampled: 6/9/47
Date Received: 7/1/47
Date Tested: 7/8/47
Date Reported: 7/10/47
Sampled By: Hodges

REPORT OF TESTS OF MATERIAL FROM BORROW PIT FOR USE IN EMBANKMENTS, SUBGRADE AND AS MINERAL AGGREGATE IN SAND BITUMINOUS ROAD MIX

Stratum No.	Bearing value Lbs. Per Sq. Inch	Group
1	24	A-3
2	88	A-3
3	164	A-2

EMBANKMENT AND SUBGRADE

The material from Stratum 1 appears satisfactory for use in embankment, but if used, the upper portion of grade should be constructed with selected material or stabilized with suitable material in the proper proportions so that a minimum bearing value of 30 pounds per square inch will be obtained in the 6 inches immediately below the proposed pavement or base.

The material from Strata 2 and 3 appears satisfactory for use in embankment or subgrade.

MINERAL AGGREGATE IN SAND BITUMINOUS ROAD MIX

The material from Stratum 1 is not satisfactory for use as mineral aggregate in sand bituminous road mix unless stabilized with suitable material in the proper proportions so as to produce resultant bearing values of 25 pounds or greater per square inch.

The material from Strata 2 and 3 appears satisfactory for use as mineral aggregate in sand bituminous road mix.

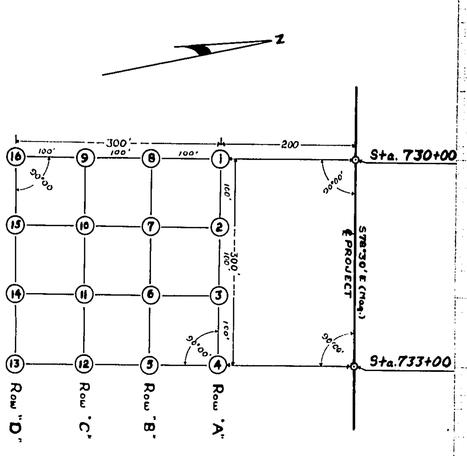
TESTED BY: Shonley-Myers

Division Engineer

(4-P)

STATE	COUNTY	ROAD Nº	PROJECT	SHEET Nº
FLA	OSCEOLA	60	9207-104	39

B. M. Nº 74 **Elev. 70.44**
Nail in Hub at Fence 57' Lt. Sta. 736+30

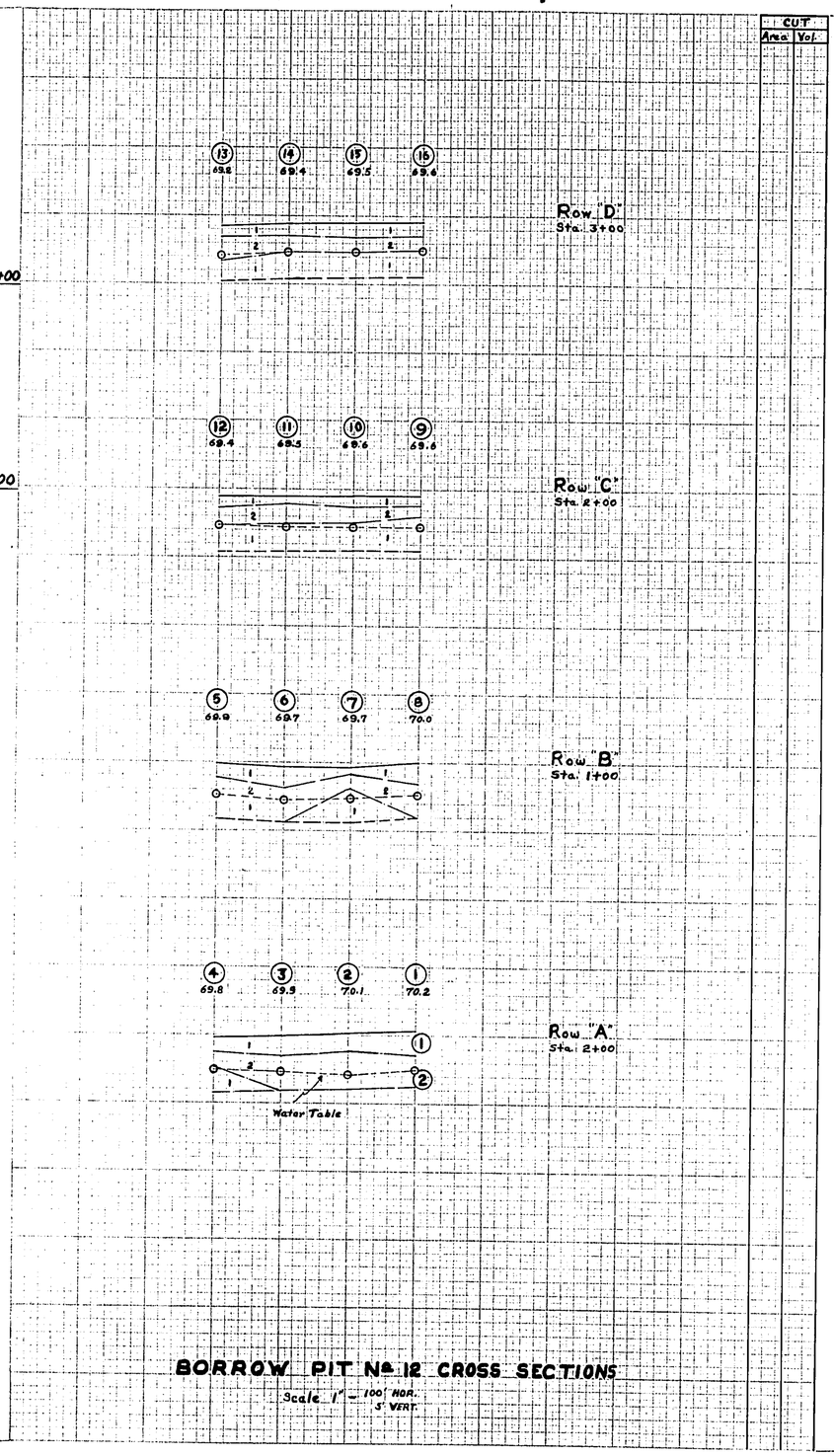


Note: Scale 1"= 100'
Clearing & Grubbing Light

BORROW PIT Nº 12
SECTION 9207-104 ROAD Nº 60
OSCEOLA COUNTY

DESRIPTION of STRATA
STRATUM Nº 1: Grey & White Sands
2: Brown Sand (trace of hardpan

SUBMITTED BY: N. L. BRYAN JR.
DIVISION : FIFTH
SURVEYED BY: HODGES
DATE SURVEYED : JUNE 4, 1947



BORROW PIT Nº 12 CROSS SECTIONS
Scale 1" = 100' HOR.
5' VERT.

SOIL TEST RESULTS

Laboratory No.: 4408-S
Project No.: 9207-104
Road No.: 60
Division: Fifth
Submitted By: N. L. Bryan, Jr.

Date Sampled: 6/9/47
Date Received: 7/1/47
Date Tested: 7/8/47
Date Reported: 7/10/47
Sampled By: Hodges

REPORT OF TESTS OF MATERIAL FROM BORROW PIT FOR USE IN EMBANKMENT, SUBGRADE AND AS MINERAL AGGREGATE IN SAND BITUMINOUS ROAD MIX

Stratum No.	Bearing Value Lbs. Per Sq. Inch	Group
1	16	A-3
2	61	A-3

EMBANKMENT AND SUBGRADE

The material from Stratum 1 appears satisfactory for use in embankment, but if used, the upper portion of grade should be constructed with selected material or stabilized with suitable material in the proper proportions so that a minimum bearing value of 30 pounds per square inch will be obtained in the 12 inches immediately below the proposed pavement or base.

The material from Stratum 2 appears satisfactory for use in embankment or subgrade.

MINERAL AGGREGATE IN SAND BITUMINOUS ROAD MIX

The material from Stratum 1 is not satisfactory for use as mineral aggregate in sand bituminous road mix unless stabilized with suitable material in the proper proportions so as to produce resultant bearing values of 25 pounds or greater per square inch.

The material from Stratum 2 appears satisfactory for use as mineral aggregate in sand bituminous road mix.

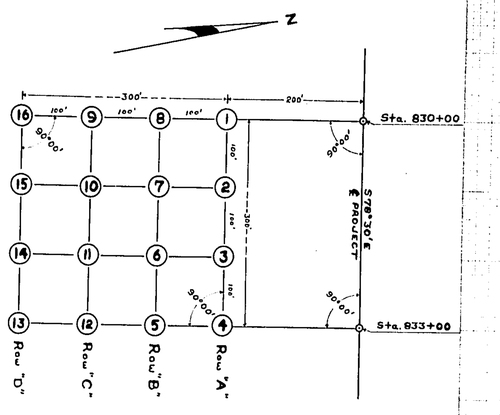
TESTED BY: Shanley-Myers
h

H. C. Whatley
Division Engineer

(4-P)

STATE	COUNTY	ROAD No	PROJECT	SHEET No
FLA	OSCEOLA	60	9207-104	40

B. M. No 83 **Elev. 68.15**
Nail in Hub at Fence 52' Rt at Sta. 837+00

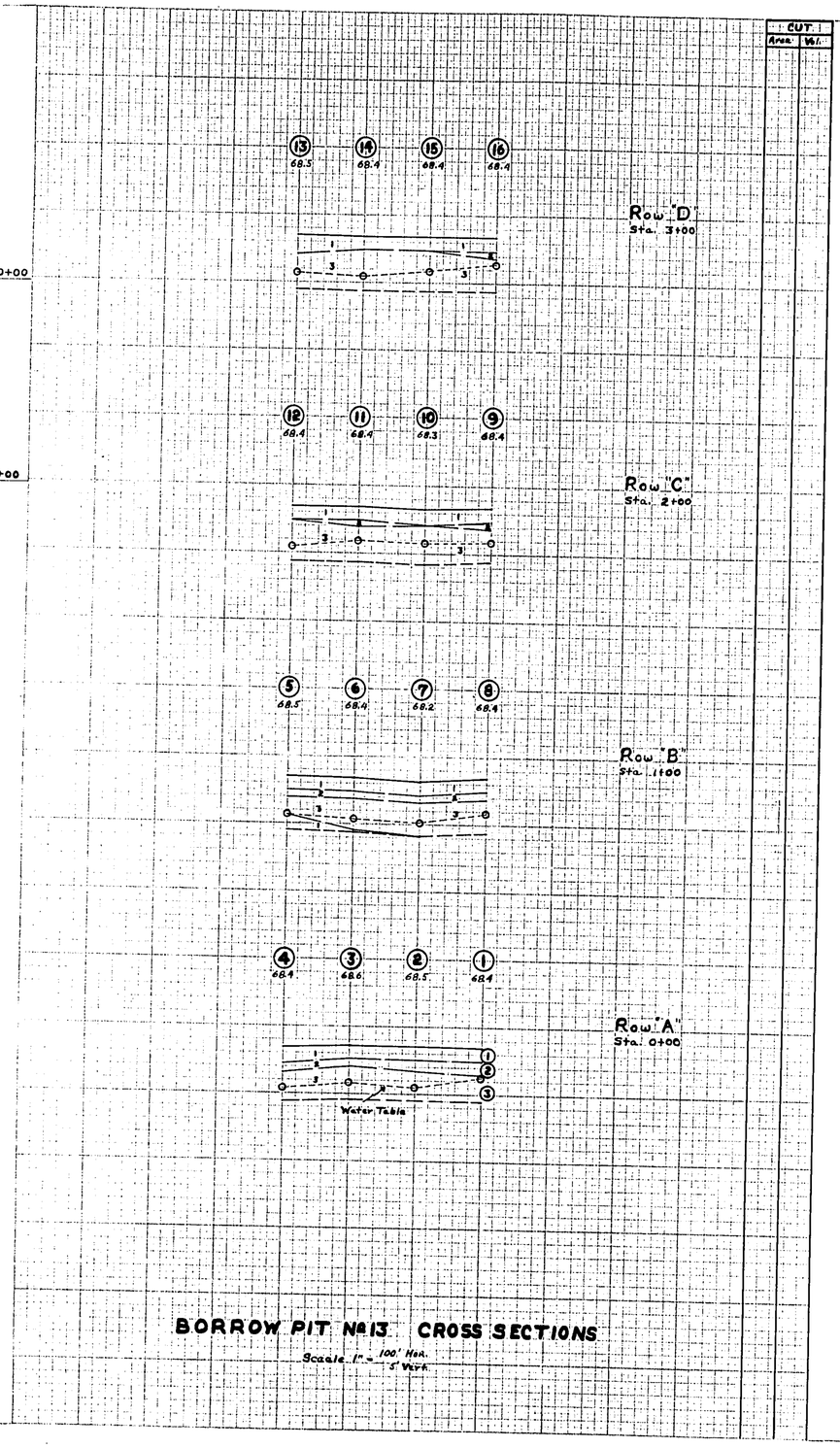


Note: Scale 1" = 100'
Clearing & Grubbing Light

BORROW PIT No 13
SECTION 9207-104 ROAD No 60
OSCEOLA COUNTY

DESCRIPTION of STRATA
STRATUM No 1: Grey Sand (topsoil)
" 2: White Sand
" 3: Dr. Brown Sand (trace of Hard Pan)

SUBMITTED BY: N.L. BRYAN JR.
DIVISION: FIFTH
SURVEYED BY: HODGES
DATE SURVEYED: JUNE 4, 1947



BORROW PIT No 13 CROSS SECTIONS
Scale 1" = 100' Hor.
5' Vert.

SOIL TEST RESULTS

Laboratory No.: 4408-S
Project No.: 9207-104
Road No.: 60
Division: Fifth
Submitted By: N. L. Bryan, Jr.

Date Sampled: 6/9/47
Date Received: 7/1/47
Date Tested: 7/8/47
Date Reported: 7/10/47
Sampled By: Hodges

REPORT OF TESTS OF MATERIAL FROM BORROW PIT FOR USE IN EMBANKMENT, SUBGRADE AND AS MINERAL AGGREGATE IN SAND BITUMINOUS ROAD MIX

Stratum No.	Bearing value Lbs. Per Sq. Inch	Group
1	28	A-3
2	15	A-3
3	72	A-3

EMBANKMENT AND SUBGRADE

The material from Stratum 1 appears satisfactory for use in embankment, but if used, the upper portion of grade should be constructed with selected material or stabilized with suitable material in the proper proportions so that a minimum bearing value of 30 pounds per square inch will be obtained in the 6 inches immediately below the proposed pavement or base.

The material from Stratum 2 appears satisfactory for use in embankment, but if used, the upper portion of grade should be constructed with selected material or stabilized with suitable material in the proper proportions so that a minimum bearing value of 30 pounds per square inch will be obtained in the 12 inches immediately below the proposed pavement or base.

The material from Stratum 3 appears satisfactory for use in embankment or subgrade.

MINERAL AGGREGATE IN SAND BITUMINOUS ROAD MIX

The material from Strata 1 and 3 appears satisfactory for use as mineral aggregate in sand bituminous road mix.

The material from Stratum 2 is not satisfactory for use as mineral aggregate in sand bituminous road mix unless stabilized with suitable material in the proper proportions so as to produce resultant bearing values of 25 pounds or greater per square inch.

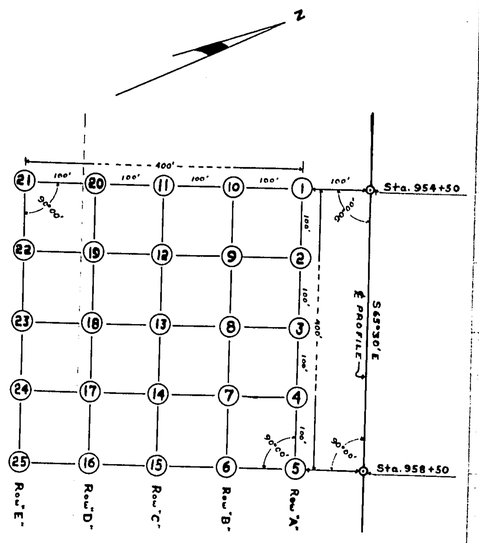
TESTED BY: Myers-Shanley
h

H. C. Eades
Division Materials Engineer

(47)

STATE	COUNTY	ROAD Nº	PROJECT	SHEET Nº
FLA	OSCEOLA	60	9207-104	41

T.B.M. Nº 1 Elev. 50.00 (ASSUMED)
Nail in 6" Pine 30' Rt. Sta. 956+00

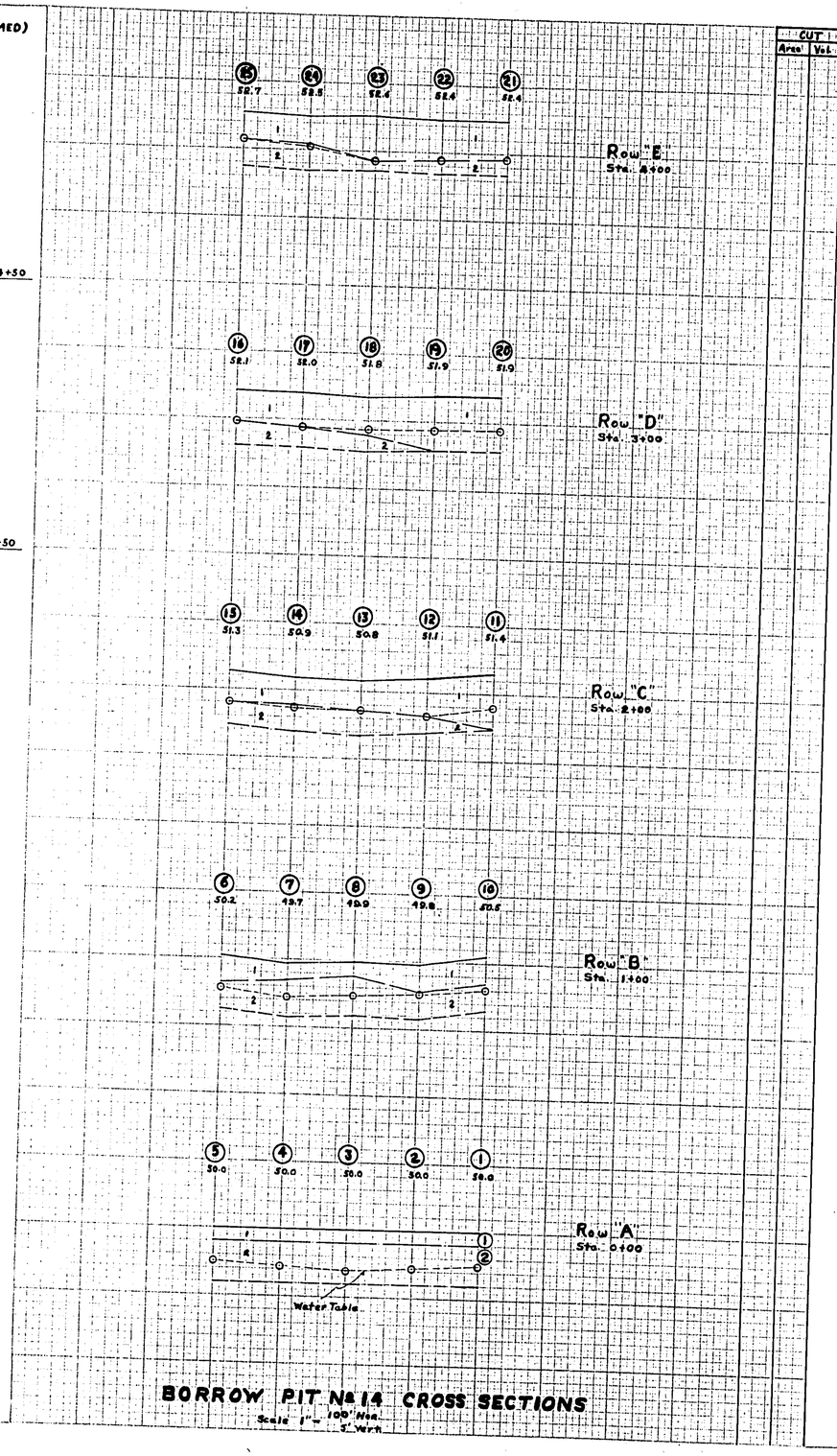


Note: Scale 1"=100'
Clearing & Grubbing Light

BORROW PIT Nº 14
SECTION 9207-104 ROAD Nº 60
OSCEOLA COUNTY

DESCRIPTION of STRATA
STRATUM Nº 1: Grey & White Sands
" " 2: Brown Sands (trace of Hard Pan)

SUBMITTED BY: N.L. BRYAN JR.
DIVISION : FIFTH
SURVEYED BY: HODGES
DATE SURVEYED : JUNE 9, 1947



BORROW PIT Nº 14 CROSS SECTIONS
Scale 1"= 100' Hor.
1" Vert.

SOIL TEST RESULTS

Laboratory No.: 4408-3
Project No.: 9207-104
Road No.: 60
Division: Fifth
Submitted By: N. L. Bryan, Jr.

Date Sampled: 6/9/47
Date Received: 7/1/47
Date Tested: 7/8/47
Date Reported: 7/10/47
Sampled By: Hodges

REPORT OF TESTS OF MATERIAL FROM BORROW PIT FOR USE IN EMBANKMENT, SUBGRADE AND AS MINERAL AGGREGATE IN SAND BITUMINOUS ROAD MIX

Stratum No.	Bearing value Lbs. Per Sq. Inch	Group
1	12	A-3
2	88	A-3

EMBANKMENT AND SUBGRADE

The material from Stratum 1 appears satisfactory for use in embankment, but if used, the upper portion of grade should be constructed with selected material or stabilized with suitable material in the proper proportions so that a minimum bearing value of 30 pounds per square inch will be obtained in the 12 inches immediately below the proposed pavement or base.

The material from Stratum 2 appears satisfactory for use in embankment or subgrade.

MINERAL AGGREGATE IN SAND BITUMINOUS ROAD MIX

The material from Stratum 1 is not satisfactory for use as mineral aggregate in sand bituminous road mix unless stabilized with suitable material in the proper proportions so as to produce resultant bearing values of 25 pounds or greater per square inch.

The material from Stratum 2 appears satisfactory for use as mineral aggregate in sand bituminous road mix.

TESTED BY: Shanley-Myers
h

R. H. Wilkes
Division Engineer

(4-P)

INDEX OF SHEETS.

Sheet	No. 1	Key Map.
"	No. 2	The Estimate.
"	No. 3	Typical Section and Summary Of Quantities.
"	No. 4	Clearing and Grubbing and Springing.
"	No. 5	Remov. Exist Structures and Cattle Guard.
"	No. 5	Regular Excavation.
"	No. 6	Summary Of Drainage Structures.
"	No. 6	Final Measurements. S. B. R. Mix. 6 Inch.
"	No. 6	Final Measurements. S. B. R. Mix (Var. Thickness).
"	No. 6	Dressing Shoulders.
"	No. 7 to 11	Distributor Record. Bit. Material.
"	No.11 A	Asphalt Received by Tanker.
"	No. 12 & 13	Plan and Profile.
"	No. 14 to 26	Drainage Structure Plans.
"	No. 27 & 27	Clearing and Grubbing Detail.
"	No. 28 & 29	Springing Detail.
"	No. 30	Detail of Road No. 16 Intersection.
"	No. 31 to 99	Borrow Pit Cross Sections.
"	No. 100 to 15	Roadway Cross Sections.

STATE OF FLORIDA
STATE ROAD DEPARTMENT

PLANS OF PROPOSED

STATE HIGHWAY

STATE JOB Nº 9207 - 104

OSCEOLA COUNTY

STATE ROAD Nº 60

LENGTH = 21.727 mi.

FED. ROAD DIST. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.
3	FLA.	9207-104	47	1

CONVENTIONAL SIGNS

COUNTY LINE		TRAVELED WAY	
TOWNSHIP LINE		CULVERTS	
SECTION LINE		BRIDGES OVER 20 FT. SPAN	
UNFENCED PROPERTY		POWER POLE	
CITY LINE		PHONE POLE	
FENCE LINE		MARSH	
RIGHT OF WAY LINE		GROUND ELEV.	
BASE OR SURVEY LINE		GRADE ELEV.	
RAILROADS		R. R. MILE POST	

GOVERNING SPECIFICATIONS: STATE OF FLORIDA STATE ROAD DEPARTMENT
STANDARD SPECIFICATIONS, DATED Apr. 1, 1947
APPROVED BY PUBLIC ROADS ADMINISTRATION DATE

LENGTH OF PROJECT		
Roadway	114,720.05	21.727
Bridges	0.00	0.00
Net Length of Project	114,720.05	21.727
Exceptions	44.50	0.008
Gross Length of Project	114,764.55	21.735

SUBMITTED BY

STATE HIGHWAY ENGINEER

RECOMMENDED FOR APPROVAL:

DISTRICT ENGINEER
PUBLIC ROADS ADMINISTRATION
FEDERAL WORKS AGENCY

APPROVED:

COMMISSIONER
PUBLIC ROADS ADMINISTRATION
FEDERAL WORKS AGENCY

CROSS SECTIONS
Scale 1 inch = 5 feet

9,117.28
500.00
25,928.42
23,939.00
27,291.20
115,629.13
24,091.56
4741.10

Osceola 60 9207-104 2

THE FINAL ESTIMATE

ITEM NO.	QUANTITY	UNIT	ITEM	UNIT PRICE	AMOUNT
1	227.665	ACRE	Clearing & Grubbing	40.00	9,106.60
2	1	Lump Sum	Remov. Ext. Strs. & Cattle Guard	500.00	500.00
3	259,266.0	Cu. Yd.	Regular Excavation	.37	95928.42
36A	119,695	Sq. Yd.	Sand Bit. Road Mix. 6" Thick	.20	23939.00
36B	136,404	" "	Sand Bit. Road Mix. (Var. Thick)	.20	27280.80
37	990,002.2	Gallon	Bit. Material (S.B. R.M.) C.B. Asphalt	.117	115,830.26
72	446.14	Cu. Yd.	Concrete Class "A" (Headwalls & Culverts)	54.00	24091.56
77	34,285	Lb.	Reinforcing Steel	.08	2742.80
84A	519.8	Lin. Ft.	Concrete Pipe Culvert 24 Inch	5.00	2599.00
84B	879.9	" "	Concrete Pipe Culvert 30 Inch	6.50	5719.35
84C	204.3	" "	Concrete Pipe Culvert 36 Inch	9.00	1838.70
89	121.1	" "	Relay Exist. Pipe Culvert 18 Inch	2.50	302.75
127	471,711	Sq. Yd.	Sprigging	.03	14,151.33
135	2.711	Road Mile	Dressing Shoulders	100.00	2,171.10
			Total.		326,201.67

I hereby certify that I have checked this estimate and find it to be true and correct according to my best knowledge and belief

Signed W.F. Lyon
Project Engineer.

I hereby certify that I have checked this estimate and find it to be true and correct according to my best knowledge and belief.

Signed N.C. Bryan Jr.
Division Engineer.

CROSS SECTIONS
Scale 1 inch = 5 feet

Osceola 60 9207-104 4

SUMMARY SHEET

Item No. 1
Clearing & Grubbing Note Book 236561

Station	Book	Page	Sheet No.	Area Sq. Ft.	Remarks.
10+00	236561				
110+00		19	26	143,940	Roadway.
230+00	"	20	26	933,500	"
340+00	"	21	26	876440	"
460+00	"	22	26	960,000	"
580+00	"	23	26	960,000	"
700+00	"	24	26	954500	"
810+00	"	25	26	522,492	"
815+00	"	25	27	21.250	"
935+00	"	26	27	743.750	"
1055+00	"	27	27	447.250	"
1158+00	"	28	27	366.957	"
Pit No 1	"	2	—	103314	200'Lt 67+50
Pit No. 2	"	3	—	205,212	200'Lt 132+50
Pit No. 3	"	4	—	217.700	200'Rt 189+00
Pit No. 4	"	5	—	154189	200'Rt 290+00
Pit No. 5	"	6	—	400.000	200'Rt 372+00
Pit No. 6	"	7	—		Not Used
Pit No. 7	"	8	—	245518	200'Rt 440+50
Pit No 8	"	9	—	293232	200'Rt 537+50
Pit No 9	"	10	—	293436	200'Rt 597+50
Pit No. 10	"	11	—	246012	200'Rt 646+50
Pit No. 11	"	12	—	197655	200'Rt 674+50
Pit No. 12	"	13	—	86436	200'Rt 731+50
Pit No 13	"	14	—	89400	200'Rt 868+02
Pit No 14	"	15	—	84700	200'Rt 956+00
Pit No 15	"	16	—	51.324	200'Rt 1070+50
Pit No 15A	"	17	—	26775	350'Rt 1072+00
		Total	Sq. Ft.	9,92,4982	
		Total	Acres.	227,846	

Item No. 127.
Spigging Book 236562

Station	Book	Page	Sheet	Area Sq. Ft.	Remarks.
10+00					
35+00	236562	2	28	100,165	
60+00	"	3	28	109230	
85+00	"	4	28	121.800	
110+00	"	5	28	128,300	
135+00	"	6	28	122.650	
160+00	"	7	28	115.900	
185+00	"	8	28	117.600	
210+00	"	9	28	123,550	
235+00	"	10	28	99,350	
260+00	"	11	28	124.450	
284+00	"	12	28	125,270	
310+00	"	13	28	154750	
336+00	"	14	28	142800	
361+00	"	15	28	126800	
386+00	"	16	28	128800	
411+00	"	17	28	111500	
436+00	"	18	28	131650	
461+00	"	19	28	136,800	
486+00	"	20	28	131.250	
511+00	"	21	28	136850	
536+00	"	22	28	113250	
561+00	"	23	28	137500	
586+00	"	24	28	112550	
611+00	"	25	28	129,750	
636+00	"	26	28	123500	
650+00	"	27	28	76 000	
661+00	"	27	29	54250	
686+00	"	28	29	124850	
711+00	"	29	29	94260	
736+00	"	30	29	64950	
761+00	"	31	29	55650	
786+00	"	32	29	50100	
811+00	"	33	29	48650	
836+00	"	34	29	46400	
861+00	"	35	29	46000	
886+00	"	36	29	42356	
911+00	"	37	29	38700	
936+00	"	38	29	37350	

Station	Book	Page	Sheet	Area Sq. Ft.	Remarks.
961+00	236562	39	29	43400	
986+00	"	40	29	48300	
1011+00	"	41	29	41000	
1036+00	"	42	29	34800	
1061+00	"	43	29	40300	
1086+00	"	44	29	40500	
1111+00	"	45	29	39400	
1136+00	"	46	29	36176	
1158+00	"	47	29	36000	
				Total Sq. Ft.	424540
				Total Sq Yds.	47171