

CONSTRUCTION DIVISION NO. 1
FAP 295-C(4)

1. SKETCH MAP AND TITLE
2. TYPICAL SECTION AND SUMMARY OF APPROXIMATE QUANTITIES
3. LIST OF STRUCTURES
4. ROADWAY DETAILS, FENCING REQUIREMENTS, Selected
MOUNT OF WAY MARKERS: *Surveying Manual Diagram.*
5. STANDARD HEADWALLS FOR C.M.P. CULVERTS M-102-F
6. CONCRETE BOX CULVERTS M-103-E
7. DOUBLE CONCRETE BOX CULVERT M-106-B
8. STANDARD WIRE FENCES (TREATED WOODEN POSTS) M-24-G
9. STANDARD STRUCTURE YEAR NUMBER MARKING M-14-A
11. TYPICAL SIDE APPROACH ROADS: ROADWAY
CONSTRUCTION TRAFFIC SIGNS M-2-B
12. STANDARD MARKER POST M-7-B
13-19. PLAN AND PROFILE
20-23. CROSS SECTIONS
B-73

FAP 295-D(2)

- | | |
|--|---------|
| 1. SKETCH MAP AND TITLE | |
| 2. LIST OF STRUCTURES AND SUMMARY OF APPROXIMATE QUANTITIES | |
| 3. TOTAL OF STRUCTURES | |
| 4. ROADWAY DETAILS, FENCING REQUIREMENTS, SELECT RIGHT OF WAY MARKERS AND SURFACING AREA DIAGRAM | |
| 5. STANDARD HEADWALLS FOR C.M.P. CULVERTS | M-103-F |
| 6. CONCRETE BOX CULVERTS | M-103-E |
| 7. DOUBLE CONCRETE BOX CULVERT | M-106-B |
| 8. STANDARD WIRE FENCES (TREATED WOODEN POSTS) | M-24-G |
| 9. STANDARD STRUCTURE YEAR NUMBER MARKING | M-14-A |
| 10. STANDARD METHODS FOR SUPERELEVATION AND WIDENING OF CURVES | M-1-A |
| 11. TYPICAL SIDE APPROACH ROADS-ROADWAY CONSTRUCTION TRAFFIC SIGNS | M-2-B |
| 12. STANDARD MARKER POST | M-7-B |
| 13. PLAN AND PROFILE | |
| 14. CROSS SECTIONS | |

CONSTRUCTION DIVISION NO. 2
F.A.P. 295-C(4)

- 1 SKETCH MAP & TITLE
2 TYPICAL SECTION & SUMMARY OF APPROXIMATE QUANTITIES
11 TYPICAL SIDE APPROACH ROADS - ROADWAY CONSTRUCTION TRAFFIC SIGNS
13 - 19 PLAN & PROFILE

F.A.P. 295 - D(2)

- | | |
|---|-------|
| 1 SKETCH MAP & TITLE | |
| 2 TYPICAL SECTION & SUMMARY OF APPROXIMATE QUANTITIES | |
| 10 STANDARD METHODS FOR SUPERELEVATION & WIDENING OF CURVES | M-1-B |
| 11 TYPICAL SIDE APPROACH ROADS-ROADWAY CONSTRUCTION TRAFFIC SIGNS | M-2-B |
| 19 PLAN & PROFILE | |

COLORADO
STATE HIGHWAY DEPARTMENT

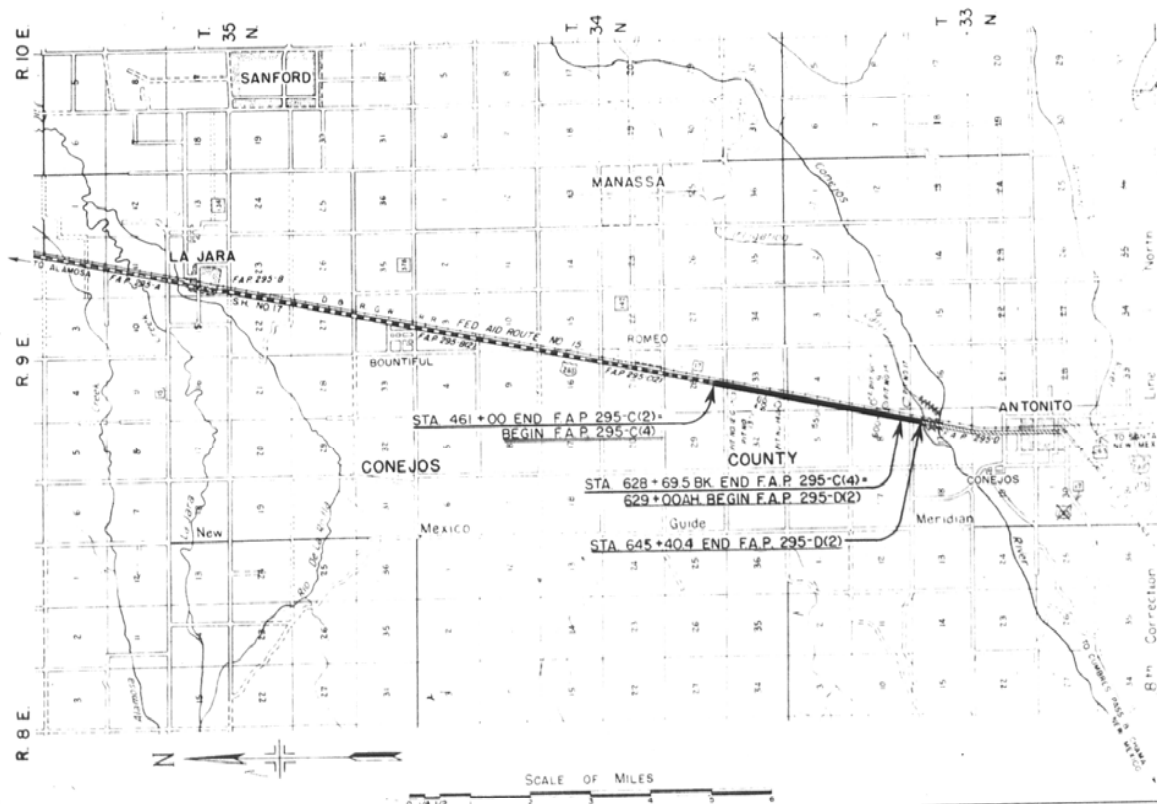
**COMBINED PLAN AND PROFILE OF PROPOSED
FEDERAL AID PROJECTS NO. 295-C(4) & 295-D(2)
STATE HIGHWAY NO. 17
CONEJOS COUNTY**

SCALES OF ORIGINAL TRACINGS

ON PLAN 1 IN. = 100 FT.
ON PROFILE 1 IN. = 100 FT. HORIZONTAL
1 IN. = 10 FT. VERTICAL

GRADE LINE ON PROFILE IS SHOWN AS GRADE OF FINISHED ROAD

	F A P 295 - C (4)	F A P 295 - O (2)
GROSS LENGTH OF PROJECT	16,769.5 FT = 3.176 MI	16,404 FT = 0.310 MI
NET LENGTH OF PROJECT	16,769.5 FT = 3.176 MI	16,404 FT = 0.310 MI



FED. ROAD DIST. NO.	STATE	COMBINED FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	295-C(4) 295-D(2)	1	

APR 2 17 41. W.W. BOIT. SELECT & SURFACING PITS

CONVENTIONAL SIGNS

CENTER LINE OF SURVEY _____

RIGHT OF WAY LINES _____

COUNTY LINES _____

TOWNSHIP OR RANGE LINES _____

SECTION LINES _____

ONE QUARTER SECTION LINES _____

BARBED WIRE FENCES _____

COMBINATION WIRE FENCES _____

TELEGRAPH LINES))))

POWER LINES))))

TELEPHONE LINES))))

PRESENT ROAD _____

RAILROAD TRACKS ■ ■ ■ ■

FINAL CONSTRUCTION SITE

See Books
12271 to 12278

NOTE :

It is recommended that bidders on this project go over the plan details with one of the following field representatives of this Department.

J. B. Cheney	Div Engr	Durango, Colo.
W. J. Walsh	Asst Div Engr	Alamosa, Colo.

41. APPROVED FOR APPROVAL

[Signature]
SECTION ENGINEER S/18/41

2000年4月

State Highway Engineer

RECOMMENDED FOR APPROVAL

DISTRICT ENGINEER
PUBLIC WORKS ADMINISTRATION
FEDERAL WORKS AGENCY

we, COMPTON, for APPROX

CHIEF, WESTERN REGION
PUBLIC ROADS ADMINISTRATION
FEDERAL WORKS AGENCY

Abstract

COMMISSIONER
PUBLIC WORKS ADMINISTRATION
FEDERAL WORKS AGENCY

PLAN
D. W. D.

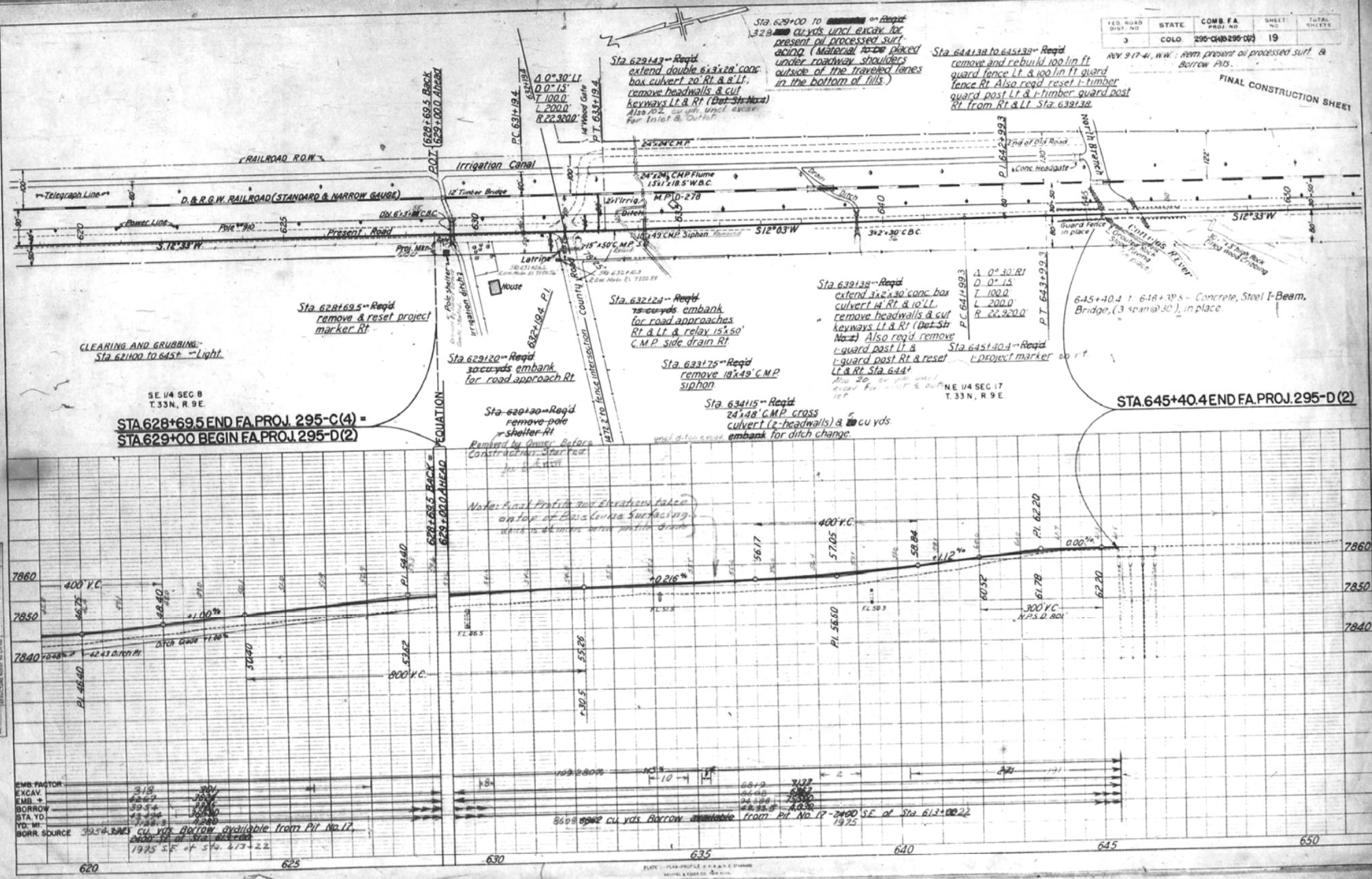
PLAN
D. W. D.

PROFILE
D. W. D.

FED. ROAD DIST. NO.	STATE	COMB. FA. PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	295-CHB-295-D(2)	19	

REV 9-17-41, W.W.: Rem. present oil processed surf. & Borrow Pits.

FINAL CONSTRUCTION SHEET



STA 628+69.5 END FA PROJ. 295-C(4) =
STA 629+00 BEGIN FA PROJ. 295-D(2)

STA 645+40.4 END FA PROJ. 295-D(2)

EMB. FACTOR

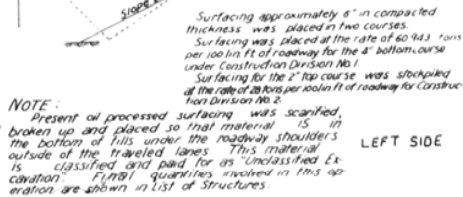
EXCAV.	3.19	300
EMB. +	62.67	300
BORROW	39.54	300
STA. YD.	43.04	300
YD. -	7.88	300
BORR. SOURCE	39.54 BORR. cu yds Borrow available from Pit No. 17, 1975 S.E. of Sta. 613+00.22	

8608 8902 cu yds Borrow available from Pit No. 17 - 2400 S.E. of Sta. 613+00.22 1975

PLATE 1 - PLAN - PROFILE & P.A. & E. STATIONS
REVISED & RECORDED BY: [illegible]

TYPICAL CROSS SECTION OF IMPROVEMENT AND SUMMARY OF QUANTITIES

TYPICAL SECTION



LEFT SIDE

RIGHT SIDE

BOOK NO.	TONS PER BOOK	ROADWAY	ROAD APP'X	STOCK PILE NO. 1	STOCK PILE NO. 2	STOCK PILE NO. 3	STOCK PILE	W2021/2 PILE
FAP 295 C (4)								
1	800	800						
2	800	800						
3	800	800						
4	52	52						
5	640	640						
6	800	800						
7	800	800						
8	800	800						
9	800	800						
10	800	800						
11	800	536	164					
12	800	800						
13	800	800						
14	800	800						
15	212	116*	96					
1	800			800				
2	800			152	648			
3	800				800			
4	800				36	764		
5	800			252	128	316	104	
6	800						160	
7	166							
TOTALS	35450	19242	260	1204	1612	1880	250	
FAP 295 D (2)								
1	800	800			Bottom Course			
2	292	224*	68		Bottom Course			
3	520				Top Course	460*	60	
TOTALS	1612	1024	68			460*	60	
COMB	13062	11268	328	1204	1612	2340	310	

Selected Material STA 461+00 to 496+96 should have been hauled from pit #12C but Contractor elected to haul same from pit #14 instead. As this change results in an increase in overhaul quantities, payment is based on plan overhaul system using pit #12C.

SURFACING PLAN

Surfacing for Section between Sta. 56+75 and 61+50-1/4, should have come from pit #17 but contractor elected to haul in Surfacing from pit #13 instead. Payment of contract for Section between Sta. 56+75 and 61+50-1/4, this section is based on the plan overhaul system and is computed from pit #17.

61+50-1/4 to 61+50-1/2 is covered by W.O.#2912 was produced in pit #13 and stockpiled for both projects within tree haul limits of that pit, right of Sta. 61+700 to 650+00.

STATION		SOURCE	TONS PLACED				OVERALL
			STOCK	STOCK	WQ1232 ROADWAY	TON MI.	
			Pile #1	Pile #2	Pile #3 STOCK AND A PPR		
461+00	540+80				4,563.3	Free Haul	
540+80	562+75				3,187.5	Free Haul	
Road Approaches					500.0	Free Haul	
471+00	474+00	P#13 750' RY STA 495+50					
487+00	490+00				250	Free Haul	
518+00	522+00					Free Haul	
562+75	582+82				2,232.2	Free Haul	
582+82	628+635	P#17 2240' L/S STA 613+22			2,745.8	Free Haul	
Road Approaches					84.0	2.0	
567+00	576+00				16.7		
TOTALS FOR FAP 295 C(4)			1204	16.2	88.0	150	
					280.8		
629+00	643+025					329.8	
643+025	645+624	P#17 2240' L/S STA 613+22			10.2	1.3	
Road Approaches					42.0	0.6	
567+00	576+00				46.0	89.4	
487+00	490+00	P#13 750' RY STA 495+50			60		
TOTALS FOR FAP 295 D(2)					46.0	1,042.0	
COMBINED TOTALS			1204	16.2	2,140	310	
						4,546.0	
						972.6	

FED. ROAD DIST. NO.	STATE	COMB. FA PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	295-CW&295-DCD	3X	

STATION TO STATION	DESCRIPTION	REMOVE	EXCAV	STRUCT	EXCAV.	UNCL.	GRAVEL	CONCRETE	REINF.	CORRUGATED METAL	MECH.	RELAY	DRY RUBBLE	MISCELLANEOUS	REFERENCE									
		STRUCT.	C.U. YD.	C.U. YD.	DITCH	OR CR. ROCK	C.U. YD.								CL. A	CL. B	CL. C	CL. D	CL. E	CL. F	CL. G	CL. H	CL. I	CL. J
		NO.	UNCL.	WT COM.	DRY COM.	CL. YD.	TON								CL. A	CL. B	CL. C	CL. D	CL. E	CL. F	CL. G	CL. H	CL. I	CL. J
461+00 - 628+95 467+70	Remove Pres.Oil Processed Surfacing Road Approach Lt. & Remove 18"x30" C.M.P. Side Drain Lt. Cut into 30" and 20" long lts. Relay 15"x30" C.M.P. Rt. of Sta 495+66. Relay 15"x20" C.M.P. Rt. of Sta 536+90		39.56													See tabulation on Last 'X' Section Sheet								
467+90 492+30 495+65	Remove Approach & Relay Side Drain Rt. Road Approach Lt. Road Approach Rt. and Relay C.M.P. Side Drain Rt.				12.2		30 30 12					50			1	18	Surfacing Tickets Surfacing Tickets Surfacing Tickets							
522+41	Extend 6'x3'x32" C.B.C. 18" Rt. Remove Headwall & Cut Keyway Rt. also Inter. Improvement Lt. Road Approach Lt.		50		32.4		28	18.3	16.60		12			1- Remove Hdwl. & Cut Keyway	1	11 & 30	Chan. Chg't. Sect's Surfacing Tickets							
522+02 523+06	Double Road Approach Rt. Relay C.M.P. Side Drain Rt. and Outlet Ditch on Rt.				12.5	4	44					72			1	18 & 31	Surf. Tickets, Ditch's							
536+90	Road Approach Lt. and Relay C.M.P. Side Drain Rt.				10.6		20					54		1- Remove & Reset Mail Box	1	18	Surfacing Tickets							
536+85	Remove & Reset Mail Box Rt.														1	22								
563+50	Walk Approach Rt. and Relay C.M.P. Side Drain Rt.				1.2							10			1	19								
571+50 - 577+30 576+63	Irregular Channel Change Rt. Remove and Reset Timber Weir Rt. and Place Dry Rubble Slope and Ditch Paving at Corners of Weir Dry Rubble Slope and Ditch Paving in Irregular Canal Rt. Extend Double 6'x3'x32" C.B.C. 16" Rt. Remove Headwall and Cut Keyway Rt.		1,628								12		7.6	1- Remove & Reset Timber Weir	1	24								
576+25 - 577+30													218.7		1	42								
577+30					7.6	35.4		28.7	41.10		14			1- Remove Hdwl. & Cut Keyway	1	13 & 14								
577+60	Keyway Rt. Road Approach and Relay C.M.P. Side Drain, Outlet ditch Slope Paving on Rt. Remove 15"x30" C.M.P. and Relay Rt. Side 6'x7' Temp. Exca. Backfill C.M.P. Cross Culvert and Headwall on Rt. Outlet Ditch Lt.				3.7	2	28					40	3.4		1	19 & 36	Surfacing Tickets							
578+20	Remove 18"x32" C.M.P. and Relay Rt. Side 6'x3' Temp. Exca. Backfill C.M.P. Cross Culvert and Headwall on Rt. Outlet Ditch Lt.				24.0	4		16.5		68	3.5	3			1	15 & 28								
597+21	Remove 18"x32" C.M.P. and Relay Rt. Side 6'x3' Temp. Exca. Backfill C.M.P. Cross Culvert and Headwall on Rt. Outlet Ditch Lt.										3.5				1	19								
604+69	Remove 15"x20" C.M.P. Rt. Relay Rt. of Sta 577+60																							
600+38	Approach Rt. and Lt. Relay 18"x32" C.M.P. Side Drain Rt. and Remove 15"x20" C.M.P. Relay Rt. Sta 577+60				6.5		28					32			1	19	Surfacing Tickets Surfacing Tickets							
613+20 614+54	Road Approach Lt. Extend Double 18"x30" C.M.P. Cross Culvert 28" Rt. and 16" Lt. Remove and Build 2 Headwalls Outlet Ditch Lt.	2			7.6	4.6	2	3.0		16 & 16' 28 & 28' 4' x 4'	6				1	16 & 21 24 & 41								
617+77	Road Approach Rt. Remove Steel Pipe Rt. Relay 15"x30" C.M.P. Side Drain Remove & Reset Project Marker	1			9.6		12					30		1- Remove & Reset Proj. Marker	1	19 & 21 23	Surfacing Tickets							
628+95.5	TOTALS F.A.P. 235-(C)	3																						
629+00 - 645+40.4 629+42.5	Remove Pres.Oil Processed Surfacing Extend Double 6'x3'x28" C.B.C. 20" Rt. and 8" Lt. Remove Headwall and Cut Keyway Rt. and Lt., Inter. and Outlet Improvements		328														See tabulation on Last 'X' Section Sheet							
632+24	Road Approach Rt. and Lt. Relay 15"x30" C.M.P. Side Drain Rt. Remove 18" C.M.P. Siphon C.M.P. Cross Culvert and 2 Headwalls Outlet Ditch Lt.		10.2	151	75.6			52.3	74.07		16			2- Remove Headwall & Culvert	1	14 & 25 26 & 30-31								
633+25 634+15		1			14		68					50			1	12	Surfacing Tickets							
639+38	Extend 3'x2'x30" C.B.C. 16" Rt. & 10" Lt. Remove Headwall and Cut Keyway on Lt. and Rt. Inter. and Outlet Improvement				16.5	5		3.3		48	3				1	13-29 & 34								
644+38 - 645+38	Remove and Rebuild 100 ft. of Guard Fence Lt. and Rt. Reset Guard Post Lt. & Rt.		20	12.4	5.2			14.5	15.28		12			2- Remove Headwall & Cut Keyway Remove & Rebuild 200' Gd. Fence Remove & Reset 2 Timber Gd. Post	1	17 32-33 27-28 11 8								
645+40.4	Project Marker													1- Project Marker	1	20								
TOTALS F.A.P. 235-(C)			235				5																	
COMBINED TOTALS																								

ALL FENCE REBUILT ON RT SIDE

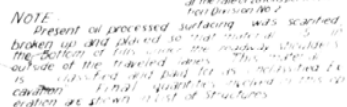
STA TO STA	REMAIN FACE LIN FT	REMAIN BACK LIN FT	WELD POST NO.
467-70	28		
468+32	76		
474-70	30		
475-70 522-77	30	480.7	129
495+64	30		
508+80	30		
522-77	30		
523+83	30		
524+33 573+00		493.3	62
534+			
536+	60		
537+	30		
546+	30		
502+	30		
573+00	3A		
577+98	27		
577+62 628+00		507.2	114
599+	30		
600+	30		
617+	33		
617+00 504+75			
TOTAL FACE 293.61	536	Page 25 4,852	305
629-00 632+00		300	5
629+	28		
630+	28		
632+	28		
Reference	504.1	Page 10	
TOTAL FACE 295.02	84	300	5
COMBINED TOTAL	620	1532	310

STATION	NO	SIDE
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STATION	NO	SIDE
467+60	1	Rt
495+60	1	"
522+76	1	"
550+54	1	"
578+02	1	"
605+031	1	"
572+65	1	"
Reference BA	1	Pg. 26
TOTAL FAP295CW	7	
632+062	1	Rt
632+103	1	"
TOTAL FAP295DW	2	
COMBINED TOTAL	9	

Allowance for Connecting Bands

TYPICAL SECTION



LEFT SIDE

RIGHT SIDE

GRAVEL SURFACING BOOKS

GRAVEL SURFACING BOOK									
BOOK NO.	TONS PER BOOK	ROAD WAY	ROAD APPX	STOCK PILE NO 1	STOCK PILE NO 2	STOCK PILE NO 3	STOCK PILE		
FAP 295 C (4)									
Bottom Course	1	800	800						
	2	800	800						
	3	800	800						
	4	52	52						
	5	640	640						
	6	800	800						
	7	800	800						
	8	800	800						
	9	800	800						
	10	800	800						
	11	800	636	164					
	12	800	800						
	13	800	800						
	14	800	800						
Top Course	15	212	116	96	800				
	1	800			152	648			
	2	800				5			
	3	800				36	764		
	4	800					800		
	5	800			257	128	316	104	
	6	800						146	
TOTALS	15,456	10244	260	1204	1612	1880	250		
FAP 295 D (2)									
Bottom Course	1	800	800						
	2	292	224	68					
	3	520							
Top Course							460	60	
							460	60	
TOTALS	1612	1024	68						
COMB TOTALS	17068	11268	328		1204	1612	2340	310	
* TOTALS 24 tons spot loads placed 5th 49213, 1749330									
24 tons spot loads placed 5th 645120									

SELECTED MATERIAL PLAN

SELECTED MATERIAL PLAN
Selected Material Size 461x00 to 490x96 would have been hauled from pit #12C but Contractor elected to haul same from pit #14 instead. As this change results in an increase in overhaul quantities, payment is based on plan overhaul system using pit #12C.

MATERIAL SOURCE		QUANTITY OVER H4	
PLACED		TONS	TON MI
401-00 496-90 P1 #12-940 LT 51846786		8353.5	Free Haul
496+96 567+03		46277.4	Free Haul
567+03 572+87 P1 #14-807 M STD 522+30		20535.5	176.9
520+00 520+00		373	Free Haul
575+87 582+82		167.1	106.4
582+82 628-695 P1 #17-2240 LT 578 6+22		10676.4	Free Haul
TOTALS FOR FAP 295 C14		39012.8	278.3
629-00 643+923 P1 #17-2240 LT 578 6+22		3437.8	Free Haul
643+125 643+404		140.1	4.8
TOTALS FOR FAP 295 D12		3771.9	4.8
COMBINED TOTALS		42784.7	293.1

SURFACING PLAN

SURFACING PLAN

Surfacing for Section between Sta. 56+15 and 64+54.4 Should have come from pit #17 but Contractor elected to haul all Surfacing from pit #13 instead.

Payment of overhaul for Surfacing for this section is based on the plan overhaul system and is computed from pit #17.

Extra surfacing covered by W-22912 was produced in pit #13 and stockpiled for both projects within the haul limits of that pit right of Sta. 48+00 to +90+00.

STATION		SOURCE	TONS PLACED				OVERHAUL
			STOCK	STOCK	STOCK	STOCK	TON MI.
			PIC#1	PIC#2	PIC#3	STOCK	ADPERS
461+30	540+00					4,563.3	Free Haul
540+00	562+75					2,157.7	278.1
Read Approaches						200.0	Free Haul
471+00	474+00						Free Haul
487+00	430+00						Free Haul
518+00	522+00						Free Haul
562+75	582+00					2,253.2	232.5
582+00	628+65					2,745.8	Free Haul
Read Approaches						80.0	367.8
562+00	578+00						Free Haul
TOTALS FOR FAP 295 (d)						10,304.0	880.8
629+00	643+00					107.8	Free Haul
643+00	645+00					10.2	1.3
Read Approaches						42.0	0.6
562+00	578+00						87.8
487+00	490+00						Free Haul
TOTALS FOR FAP 295 (D2)						169.2	91.8
COMBINED TOTALS						10,473.2	972.6

COLORADO STATE HIGHWAY DEPARTMENT
TABULATION OF GRADING QUANTITIES
AND PROFILE DATA
FINAL CONSTRUCTION SHEET
La Jara AND Antelope IN Conejos COUNTY, STATE ROAD No. 17
F.A. PROJECT NO. 295C(4)
SHEET NO. 11 OF 12 SHEETS

SHEET NO. 11

SHEET NO. 11

FINAL CONSTRUCTION SHEET OF 160 SHEETS

La Jara AND Antecito IN Conejos COUNTY, STATE ROAD No. 17

[illegible]

Form 9, U. S. 103-2004-9-000

COLORADO STATE HIGHWAY DEPARTMENT
TABULATION OF GRADING QUANTITIES
AND PROFILE DATA
FINAL CONSTRUCTION SHEET
17 1379 AND 1401 IN GARFIELD COUNTY, STATE ROAD No. 17

SHEET NO. 2

OF 14 SHEETS

STATION	EXCAVATION	EMBANKMENT	GRADE	BALANCE	OVER	UNDER	WASTE
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[illegible]

↑
FEB 1942
ENG. DIV.
S. H. O.

SURVEY BY	DATE	NOTE BOOK NO.	REMARKS
QUANTITIES BY	DATE	CHE. BY	DATE
AREAS BY	DATE	CHE. BY	DATE
MADE MAP BY	DATE	CHE. BY	DATE
REVISED BY	DATE	CHE. BY	DATE

Page 6 of 10 125-2006-010

COLORADO STATE HIGHWAY DEPARTMENT
TABULATION OF GRADING QUANTITIES
AND PROFILE DATA
FINAL CONSTRUCTION SHEET
31412 AND 31412-10 IN 00012 COUNTY, STATE ROAD NO. 17

SHEET NO. 3

OF 16 SHEETS

FINAL CONSTRUCTION SHEET OF 16 SHEETS

Antelope IN Lea CO. COUNTY, STATE ROAD NO. 17

PROJECT LOCATED BETWEEN 22 VETER AND 11 RD

[illegible]

↑
FEB 1947
CIVIL DIV.
S. H. D.

SHEET NO. _____				DATE _____				PROJECT NO. _____			
SHEET TITLE _____				SHEET NO. _____				SHEET NO. _____			
SURVEY BY _____	DATE _____	WIFE BOOK NO. _____		REMARKS _____							
GRABBY BY _____	DATE _____	CHK. BY _____	DATE _____	QUANTITY BY _____	DATE _____	CHK. BY _____	DATE _____				
AREAS BY _____	DATE _____	CHK. BY _____	DATE _____	SALES DIS. BY _____	DATE _____	CHK. BY _____	DATE _____				
REVISED BY _____	DATE _____	CHK. BY _____	DATE _____	REVISED BY _____	DATE _____	CHK. BY _____	DATE _____				

COLORADO STATE HIGHWAY DEPARTMENT
TABULATION OF GRADING QUANTITIES
AND PROFILE DATA
FINAL CONSTRUCTION SHEET SHEETS

STATION	EXIST. GRADE	PROPOSED GRADE	EMBANKMENT	EXCAVATION	REMARKS
176	8.2	8.2	0.00	0.00	
177	8.0	8.0	0.00	0.00	
178	8.2	8.2	0.00	0.00	
179	8.2	8.2	0.00	0.00	
180	8.2	8.2	0.00	0.00	
181	8.2	8.2	0.00	0.00	
182	8.2	8.2	0.00	0.00	
183	8.2	8.2	0.00	0.00	
184	8.2	8.2	0.00	0.00	
185	8.2	8.2	0.00	0.00	
186	8.2	8.2	0.00	0.00	
187	8.2	8.2	0.00	0.00	
188	8.2	8.2	0.00	0.00	
189	8.2	8.2	0.00	0.00	
190	8.2	8.2	0.00	0.00	
191	8.2	8.2	0.00	0.00	
192	8.2	8.2	0.00	0.00	
193	8.2	8.2	0.00	0.00	
194	8.2	8.2	0.00	0.00	
195	8.2	8.2	0.00	0.00	
196	8.2	8.2	0.00	0.00	
197	8.2	8.2	0.00	0.00	
198	8.2	8.2	0.00	0.00	
199	8.2	8.2	0.00	0.00	
200	8.2	8.2	0.00	0.00	

REVISIONS
DATE BY DATE BY DATE BY
10/1/54

COLORADO STATE HIGHWAY DEPARTMENT
TABULATION OF GRADING QUANTITIES
AND PROFILE DATA
FINAL CONSTRUCTION SHEET SHEETS

STATION	EXIST. GRADE	PROPOSED GRADE	EMBANKMENT	EXCAVATION	REMARKS
199	8.2	8.2	0.00	0.00	
200	8.2	8.2	0.00	0.00	
201	8.2	8.2	0.00	0.00	
202	8.2	8.2	0.00	0.00	
203	8.2	8.2	0.00	0.00	
204	8.2	8.2	0.00	0.00	
205	8.2	8.2	0.00	0.00	
206	8.2	8.2	0.00	0.00	
207	8.2	8.2	0.00	0.00	
208	8.2	8.2	0.00	0.00	
209	8.2	8.2	0.00	0.00	
210	8.2	8.2	0.00	0.00	
211	8.2	8.2	0.00	0.00	
212	8.2	8.2	0.00	0.00	
213	8.2	8.2	0.00	0.00	
214	8.2	8.2	0.00	0.00	
215	8.2	8.2	0.00	0.00	
216	8.2	8.2	0.00	0.00	
217	8.2	8.2	0.00	0.00	
218	8.2	8.2	0.00	0.00	
219	8.2	8.2	0.00	0.00	
220	8.2	8.2	0.00	0.00	
221	8.2	8.2	0.00	0.00	
222	8.2	8.2	0.00	0.00	
223	8.2	8.2	0.00	0.00	
224	8.2	8.2	0.00	0.00	
225	8.2	8.2	0.00	0.00	
226	8.2	8.2	0.00	0.00	
227	8.2	8.2	0.00	0.00	
228	8.2	8.2	0.00	0.00	
229	8.2	8.2	0.00	0.00	
230	8.2	8.2	0.00	0.00	

REVISIONS
DATE BY DATE BY DATE BY
10/1/54

COLORADO STATE HIGHWAY DEPARTMENT
TABULATION OF GRADING QUANTITIES
AND PROFILE DATA
FINAL CONSTRUCTION SHEET SHEETS

STATION	EXIST. GRADE	PROPOSED GRADE	EMBANKMENT	EXCAVATION	REMARKS
230	8.2	8.2	0.00	0.00	
231	8.2	8.2	0.00	0.00	
232	8.2	8.2	0.00	0.00	
233	8.2	8.2	0.00	0.00	
234	8.2	8.2	0.00	0.00	
235	8.2	8.2	0.00	0.00	
236	8.2	8.2	0.00	0.00	
237	8.2	8.2	0.00	0.00	
238	8.2	8.2	0.00	0.00	
239	8.2	8.2	0.00	0.00	
240	8.2	8.2	0.00	0.00	
241	8.2	8.2	0.00	0.00	
242	8.2	8.2	0.00	0.00	
243	8.2	8.2	0.00	0.00	
244	8.2	8.2	0.00	0.00	
245	8.2	8.2	0.00	0.00	
246	8.2	8.2	0.00	0.00	
247	8.2	8.2	0.00	0.00	
248	8.2	8.2	0.00	0.00	
249	8.2	8.2	0.00	0.00	
250	8.2	8.2	0.00	0.00	
251	8.2	8.2	0.00	0.00	
252	8.2	8.2	0.00	0.00	
253	8.2	8.2	0.00	0.00	
254	8.2	8.2	0.00	0.00	
255	8.2	8.2	0.00	0.00	
256	8.2	8.2	0.00	0.00	
257	8.2	8.2	0.00	0.00	
258	8.2	8.2	0.00	0.00	
259	8.2	8.2	0.00	0.00	
260	8.2	8.2	0.00	0.00	

REVISIONS
DATE BY DATE BY DATE BY
10/1/54

EA PROJECT NO. 295C(4)
SHEET NO. 10
CONSTRUCTION SHEETS
COUNTY, STATE ROAD NO. 17

[illegible]

EA PROJECT NO. 245 D(2)
SHEET NO. 11
TION SHEET 12 SHEETS

PROJECT LOCATED BETWEEN 12.343 AND Anteito IN Cenozes COUNTY, STATE ROAD NO. 17

[illegible]

SURVEY ST. DATE				NOTE BOOK NOS.				REMARKS			
GRASS ST.	DATE	CHK. BY	DATE	QUANTITY ST.	DATE	CHK. BY	DATE				
AREAS ST.	DATE	CHK. BY	DATE	WAGE DIAG. ST.	DATE	CHK. BY	DATE				
REVISED BY	DATE	CHK. BY	DATE	REVISED BY	DATE	CHK. BY	DATE				

FA PROJECT NO. 2951(2)
SHEET NO. 12
SECTION SHEET 12 SHEETS
COUNTY STATE ROAD NO. 17

PROJECT LOCATED BETWEEN 23-1313 AND Antelope IN Garfield COUNTY, STATE ROAD NO. 17

[illegible][illegible]



Scale 1 inch = 5 ft.
(See Large Scale Appendix)

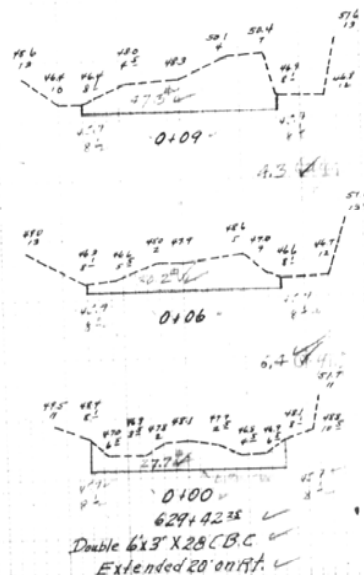
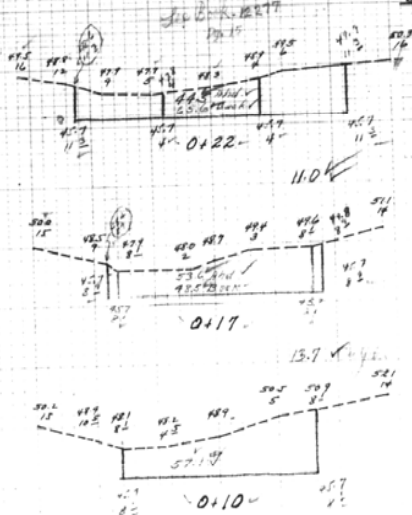


Excavation Area
Cu. Yds.

Excavation Area
Cu. Yds.

F.A.P. 295-D(2)
STRUCTURAL EXCAVATION

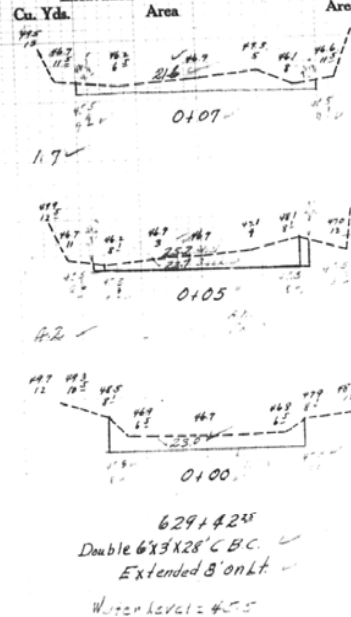
C.B.C. Extension
Str. 629+42.35



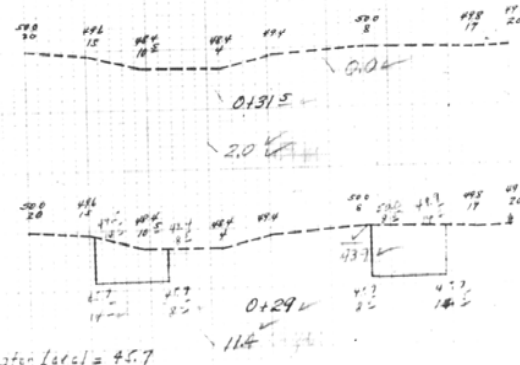
Double 6'x3'x28' C.B.C.
Extended 20' on R.H.

Excavation Area
Cu. Yds.

Embankment Area
Cu. Yds.



629+42.35
Double 6'x3'x28' C.B.C.
Extended 3' on L.H.
Water Level = 4.5



Water Level = 4.7

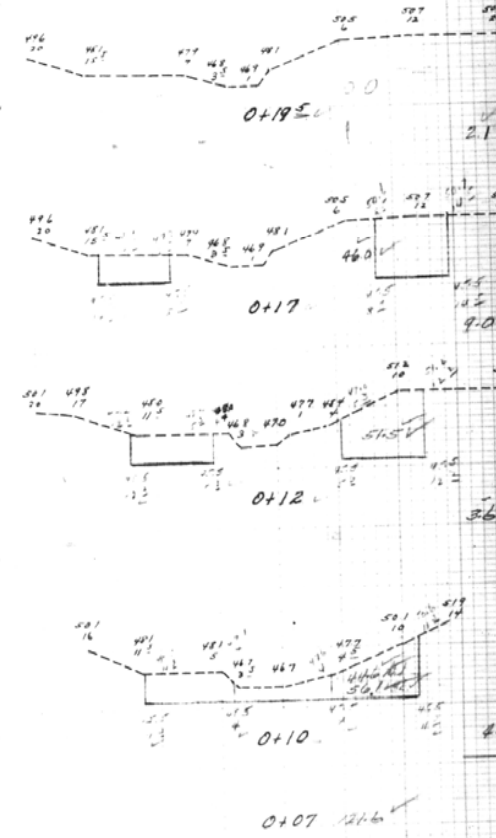
Structural Excavation

PER. NO.	DATE	PER. NO.	DATE	TOTAL
1	1947	2	1947	3

FINAL CONSTRUCTION SHEET

Cut off W.L. 11.5
 $2 \left(\frac{30.6 - 37.4}{2} \times 3 \times 2 \times \frac{1}{2} \right) = 15.1 \text{ Cu. Yds. Wet Exc.}$

Excavation Area
Cu. Yds.



SHEET TOTALS (EXCAVATION) 15.1 (EMBANKMENT) 15.1

Excavation	
Cu. Yds.	Area

Area	Embankment Cu. Yds.
------	------------------------

Excavation	
Cu. Yds.	Area

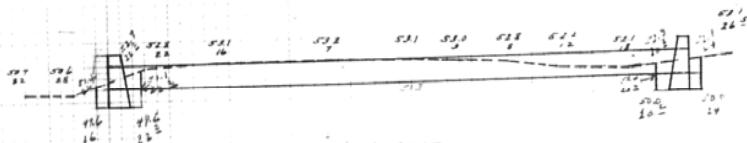
Area	Embankment Cu. Yds.
------	------------------------

F.A.P. 295-D(2)
STRUCTURAL EXCAVATION
(C.M.P. CULVERTS)

Structural Excavation

FED. ROAD DIST. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
1	COLD	275-2(2)	2	3

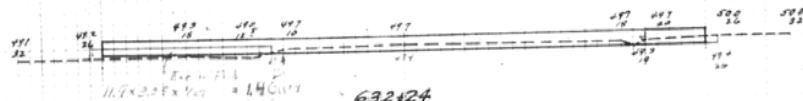
FINAL CONSTRUCTION SNA


$$634 + 15$$

24" x 48" C.M.P. Cross Drain

$$66.1 \times 4.0 \times \frac{1}{2} = 9.8 \text{ GPa's Tension etc.}$$
$$q^{\circ} \times q^{\circ}(\tau) = 3.4 \text{ Cycles 4JW! Exp. R. 1}$$
$$9.3 \times 9.5 \times \frac{1}{5} = 3.3' \quad \text{47.}$$

16.5 Cu. Yds Dry Comm.



632+24

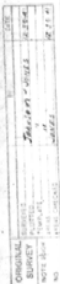
15" x 50' C.M.P. Side Drain

$$11.5 \times 3.25 \times \frac{1}{27} = 1.4 \text{ g Yield}$$

SHEET TOTALS

S EXCAVATION
EXCAVATION
EMBANKMENT

19.3 ✓
19.4 Day Cu Y
Cu Y
Cu Y



FINAL CONSTRUCTION SHEET

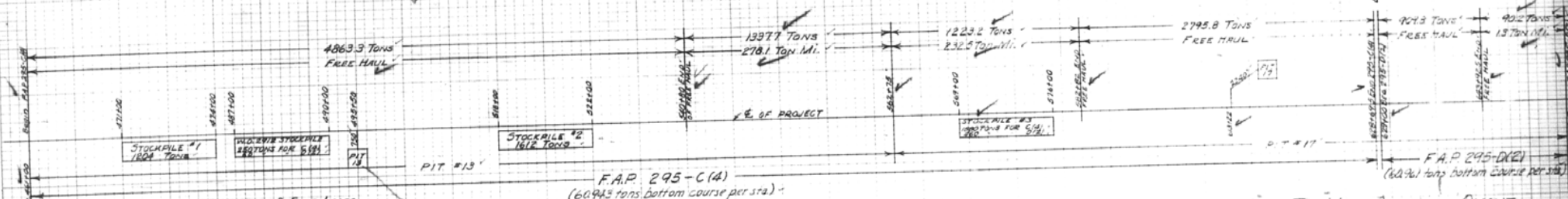
SHEET TOTALS	EXCAVATION	12.4	CU. YDS.
	EXCAVATION	3.2	CU. YDS.
	EMBANKMENT	0.3	CU. YDS.



Excavation Area Cu. Yds. Embankment Area Cu. Yds. Excavation Area Cu. Yds. Embankment Area Cu. Yds.

F.A.P. 295-C(4) AND F.A.P. 295-D(2)

SURFACING HAUL DIAGRAM



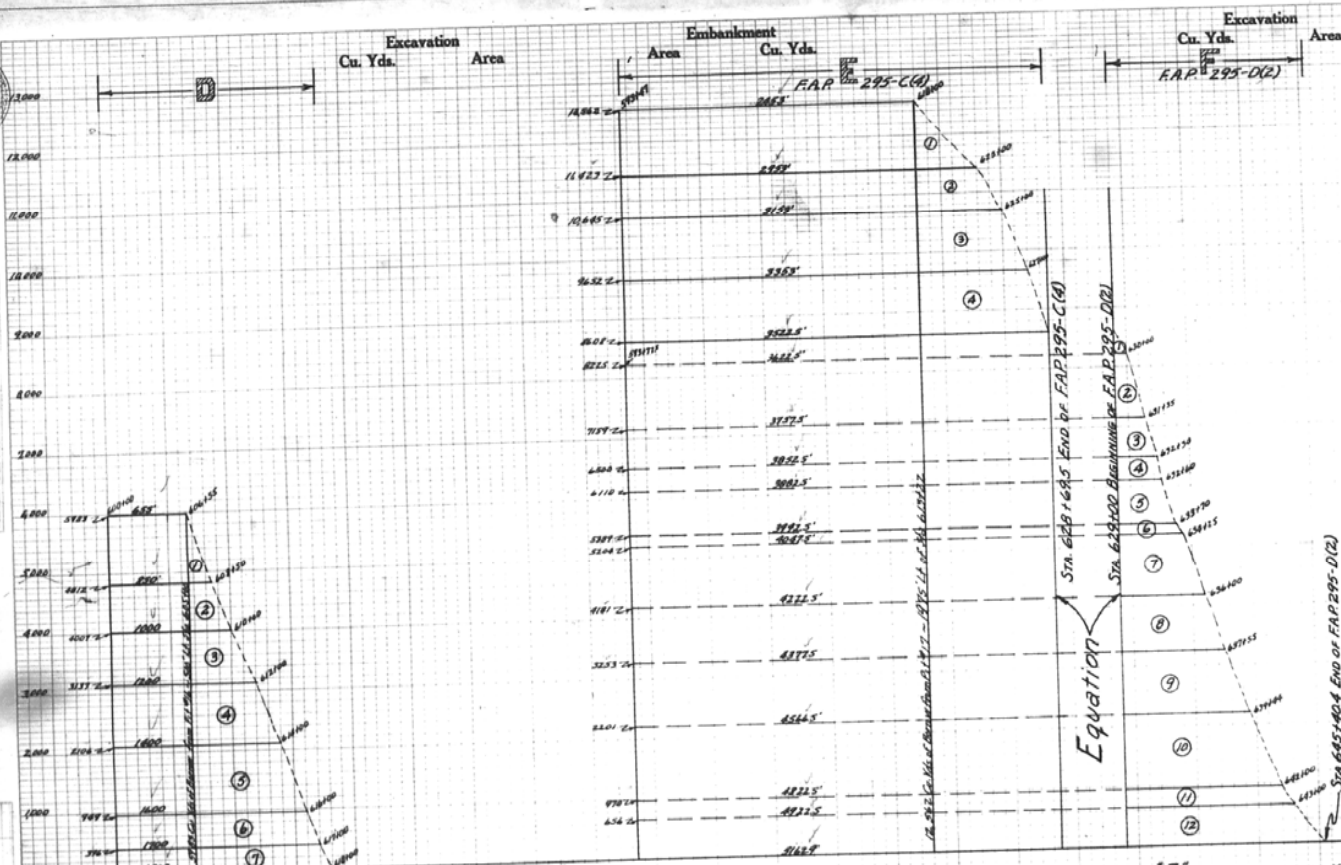
ROAD APPROACHES & SPOT LOADS

ROAD APPROVED				
STATION	TONS	PIT NO.	MILES	TON MI.
			PER HUL	
467170	30	13	0	Free Haul
467171	30		0	"
467172	12		0	"
467173	24	14	0	"
467174	12		0	"
467175	20		0	"
467176	20		0	"
467177	20		0	"
467178	20		0	"
467179	20		0	"
467180	20	17	2.8	2.8
467181	20		0	Free Haul
467182	20		0	"
467183	20		0	"
467184	20		0	"
467185	20		0	"
467186	20		0	"
467187	20		0	"
467188	20		0	"
467189	20		0	"
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467489	20		0	"
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467491	20		0	"
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467494	20		0	"
467495	20		0	"
467496	20		0	"
467497	20		0	"
467498	20		0	"
467499	20		0	"
467500	20		0	"
467501	20		0	"



FINAL
SUBMITTAL
DATE
TIME
BY
S. H. A.

ORIGINAL
SUBMITTAL
DATE
TIME
BY
S. H. A.



SUMMARY OF OVERHAUL QUANTITIES

FAP 295-C(4)		FAP 295-D(2)	
Sta Yds	Yd Miles	Sta Yds	Yd Miles
"A" 74,918	18025	"F" 94,688	42,935
"B" 112,002	18870		
"C" 109,314	15319		
"D" 41,855	165		
"E" 43,494	11263		
Totals - 382,379	69652	94,688	42,935

"D"	
Sta Yds	Yd Miles
① $\frac{655 \times 800}{2} - 500 \times 1171 = 2757$	
② $\frac{850 \times 1000}{2} - 500 \times 805 = 3421$	
③ $\frac{1000 \times 1200}{2} - 500 \times 870 = 5220$	
④ $\frac{1200 \times 1400}{2} - 500 \times 1031 = 8248$	
⑤ $\frac{1400 \times 1600}{2} - 500 \times 1157 = 14570$	
⑥ ⑦ 1100×949	10,439
Total -	41,855
X	
⑥ $\frac{(1400 \times 1200) - 1600}{32.8} = 52$	
⑦ $\frac{(1200 \times 1000) - 1600}{32.8} = 11.3$	
Total -	16.5
X	

"E"	
Sta Yds	Yd Miles
① $\frac{(655 \times 800) - 1600}{32.8} = 277.7$	
② $\frac{(850 \times 1000) - 1600}{32.8} = 214.1$	
③ $\frac{(1000 \times 1200) - 1600}{32.8} = 310.9$	
④ $\frac{(1200 \times 1400) - 1600}{32.8} = 363.4$	
Total =	1126.5
X	
① to ④ $1100 \times 3954 = 43,494$	Sta Yds
X	

"F"	
Sta Yds	Yd Miles
① $\frac{(35225 \times 96225) - 1600}{32.8} = 169.1$	
② $\frac{(36225 \times 97225) - 1600}{32.8} = 422.0$	
③ $\frac{(37225 \times 98225) - 1600}{32.8} = 275.2$	
④ $\frac{(38225 \times 99225) - 1600}{32.8} = 167.5$	
⑤ $\frac{(39225 \times 100225) - 1600}{32.8} = 319.2$	
⑥ $\frac{(40225 \times 101225) - 1600}{32.8} = 84.0$	
⑦ $\frac{(41225 \times 102225) - 1600}{32.8} = 491.2$	
⑧ $\frac{(42225 \times 103225) - 1600}{32.8} = 474.5$	
⑨ $\frac{(43225 \times 104225) - 1600}{32.8} = 572.2$	
Carried Forward	2949.7

"F" Cont	
Sta Yds	Yd Miles
Drought Forward	2949.7
⑩ $\frac{(45025 \times 105225) - 1600}{32.8} = 721.5$	
⑪ $\frac{(46025 \times 106225) - 1600}{32.8} = 194.6$	
⑫ $\frac{(47025 \times 107225) - 1600}{32.8} = 422.7$	
Total =	4293.5
X	
① to ⑫ $1100 \times 8608 = 94,688$	Sta Yds
X	

SHEET TOTALS

EXCAVATION
CU YDS
EMBANKMENT

Excavation
Cu. Yds. Area

Embankment
Area Cu. Yds.

Excavation
Cu. Yds. Area

Embankment
Area Cu. Yds.

FED. ROAD DIST. NO.	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
		295-D(2)	88	

FINAL CONSTRUCTION SHEET

Oil Mat Removal Computations
(100% Unclassified Excavation)
(See Book E-Pg 16-24)

Station	Beginning	End	Area	Interval	Cu. Yds.
629+00	632	635	20	750'	17
632+00	635	638	19	633'	12
635+00	638	641	20	607'	120
640+00	641	642	19	633'	59
642+50	641	642	19	633'	59
TOTAL					328

Sta. 642+50 to 645+40.4 oil mat removal is included with other unclassified excav. on roadway cross-section sheets.

F.A.P. 295-D(2) Summary of Unclassified Excavation

Borrow Pit #17 = 3849 Cu. Yds. (See borrow pit cross-sections.)
 Roadway Excavation = 211 (See roadway cross-sections.)
 Chan. Chg. Sta. 629+ = 102 (See sheet 3 X.)
 Oil Mat Removal = 328 (See tabulation on this sheet.)
 Grand Total = 7515
 9509

SHEET TOTALS

EXCAVATION
Cu. Yds.
Cu. Yds.

1942
S. N. D.

SUBJECT	SEVERE	9-12-68
PATIENT	MILLER, CARL W.	
TREATMENT		
STATUS		
REMARKS		



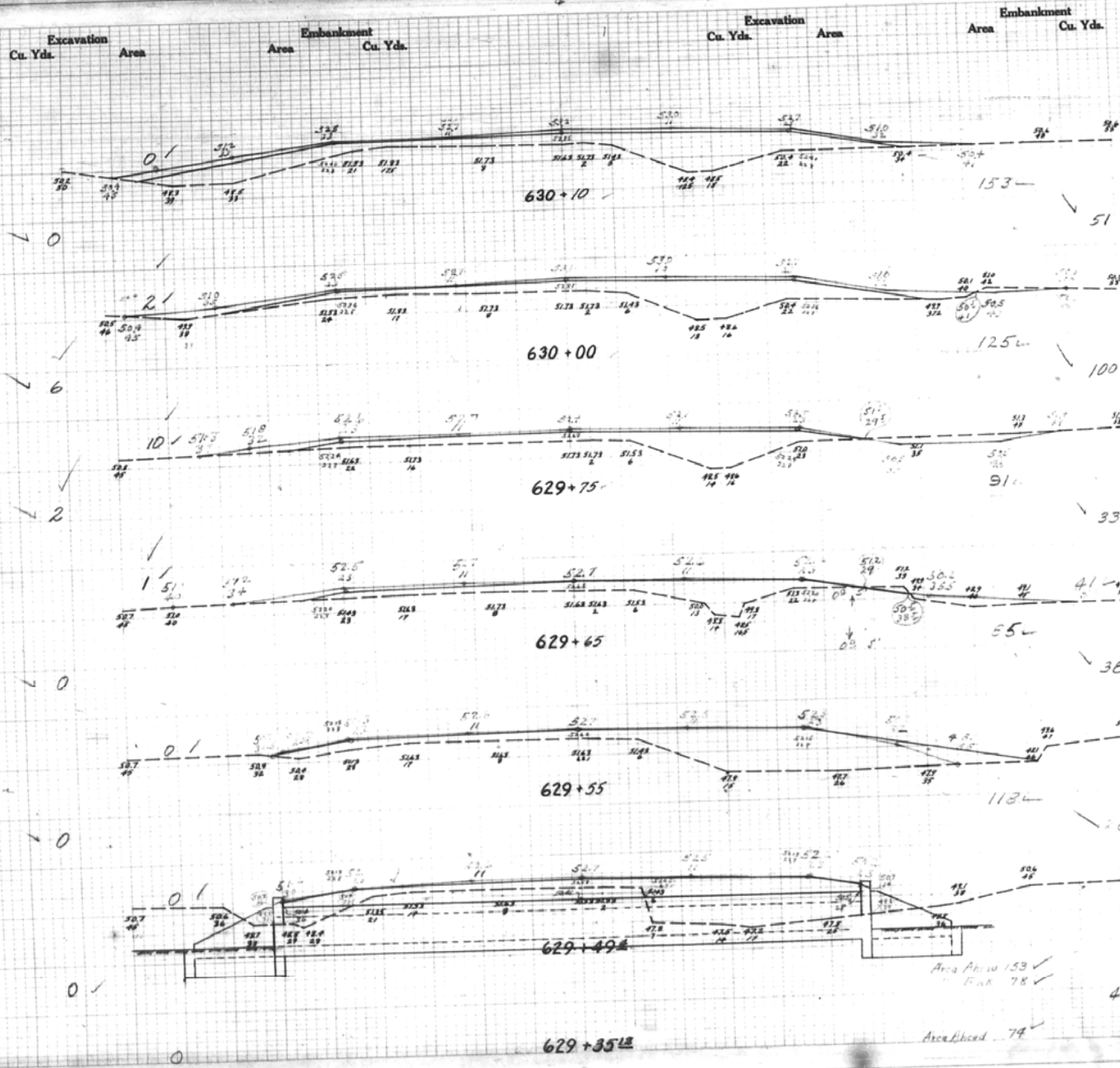
SHEET TOTALS

EXCAVATION	2	Cu Yds
EXCAVATION		Cu Yds
EMBANKMENT	118	Cu Yds



NO.	1
DATE	10/1/54
PROJECT	WASH. / BAYVIEW
DESIGNED BY	W. J. B. / E. B. B.
CHECKED BY	W. J. B. / E. B. B.
APPROVED BY	W. J. B. / E. B. B.

NO.	1
DATE	10/1/54
PROJECT	WASH. / BAYVIEW
DESIGNED BY	W. J. B. / E. B. B.
CHECKED BY	W. J. B. / E. B. B.
APPROVED BY	W. J. B. / E. B. B.



NO.	1
DATE	10/1/54
PROJECT	WASH. / BAYVIEW
DESIGNED BY	W. J. B. / E. B. B.
CHECKED BY	W. J. B. / E. B. B.
APPROVED BY	W. J. B. / E. B. B.

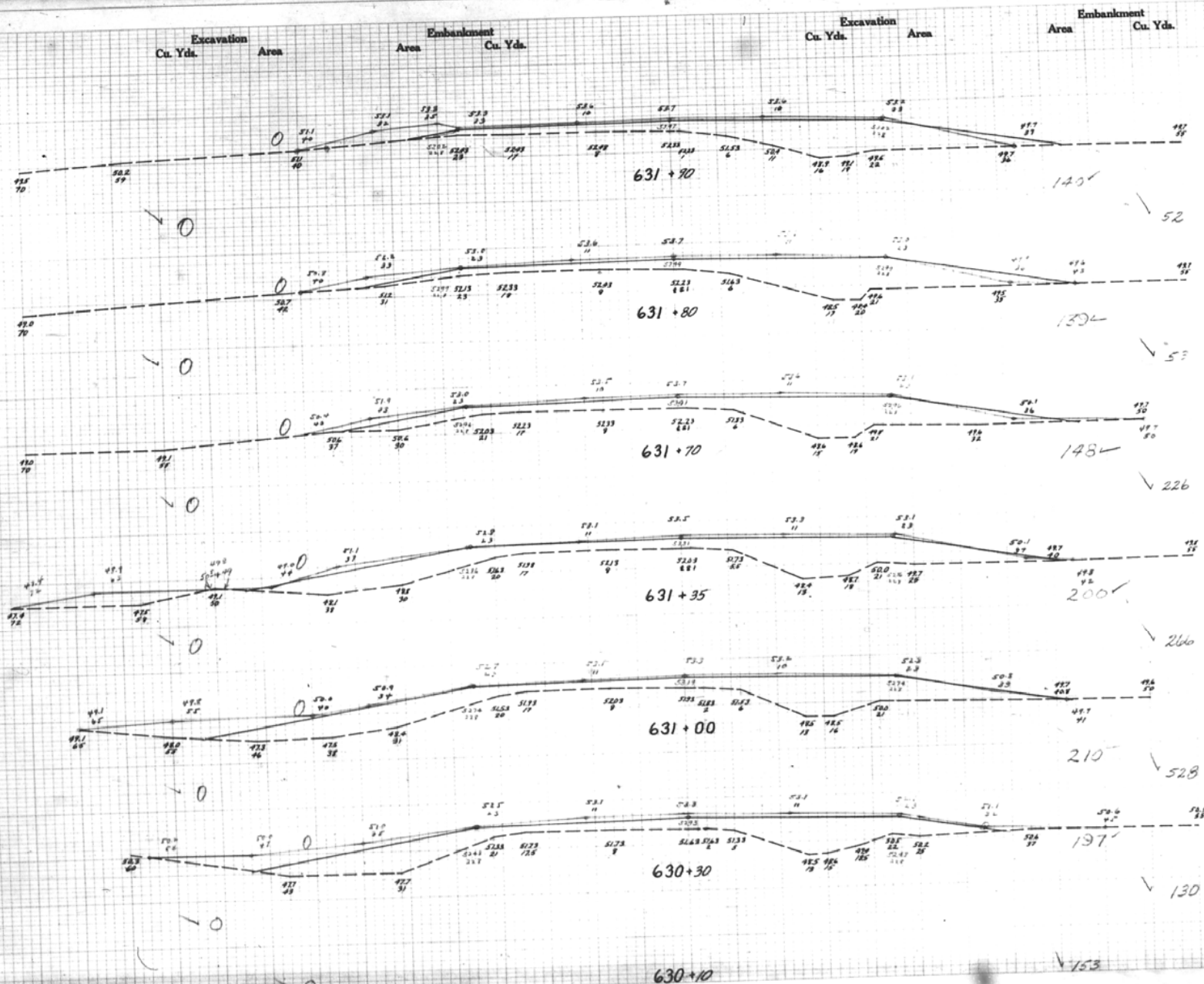
FINAL CONSTRUCTION SHEET

SHEET TOTALS	EXCAVATION	EMBANKMENT
	290	77



DATE	10/1/54
BY	W. J. H. H.
PROJECT	STATE ST. & R.R. BRIDGE
SECTION	BRIDGE
NO.	1
DATE	10/1/54
BY	W. J. H. H.
PROJECT	STATE ST. & R.R. BRIDGE
SECTION	BRIDGE
NO.	1

DATE	10/1/54
BY	W. J. H. H.
PROJECT	STATE ST. & R.R. BRIDGE
SECTION	BRIDGE
NO.	1
DATE	10/1/54
BY	W. J. H. H.
PROJECT	STATE ST. & R.R. BRIDGE
SECTION	BRIDGE
NO.	1



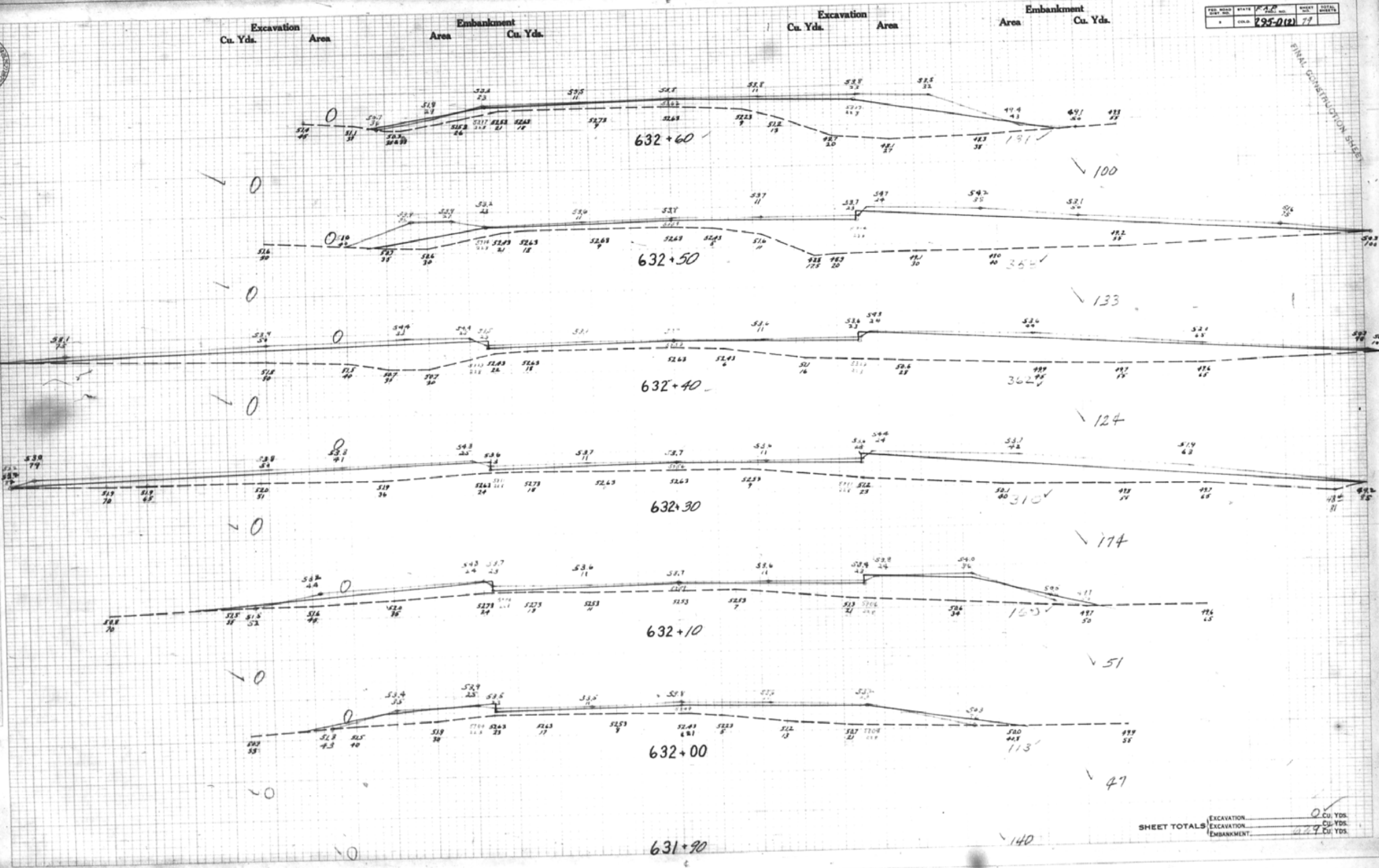
DATE	10/1/54
BY	W. J. H. H.
PROJECT	STATE ST. & R.R. BRIDGE
SECTION	BRIDGE
NO.	1

SHEET TOTALS	EXCAVATION	EMBANKMENT	Cu. Yds.
	125	125	250

DATE	BY	CHKD	APP'D	NO.	SHEET	TOTAL
1955-01-21	77					

FINAL CONSTRUCTION SHEET

Excavation Area Cu. Yds. Embankment Area Cu. Yds. Excavation Area Cu. Yds. Embankment Area Cu. Yds.



Excavation
Cu. Yds. Area

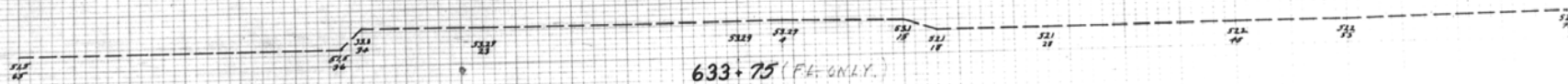
Embankment
Area Cu. Yds.

Excavation
Cu. Yds. Area

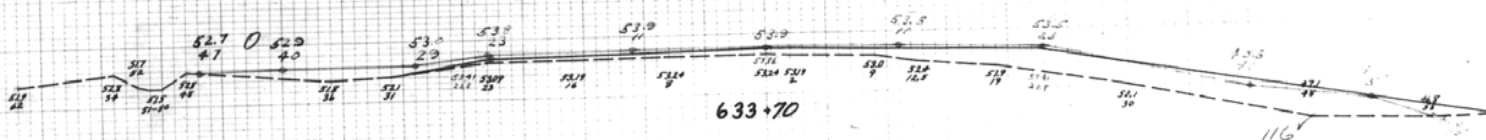
Embankment
Area Cu. Yds.

FEED	PLAN	STATE	DATE	BY	CHKD.	DATE	BY
			2-25-02				

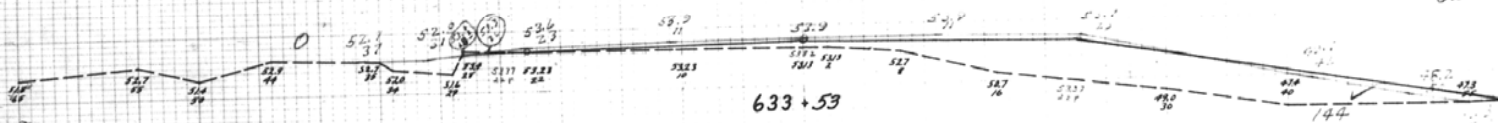
FINAL CONSTRUCTION SHEET



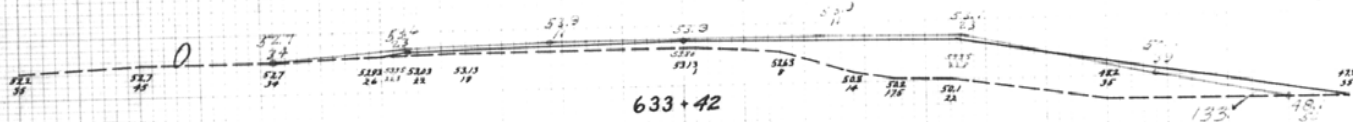
633+75 (FK ONLY)



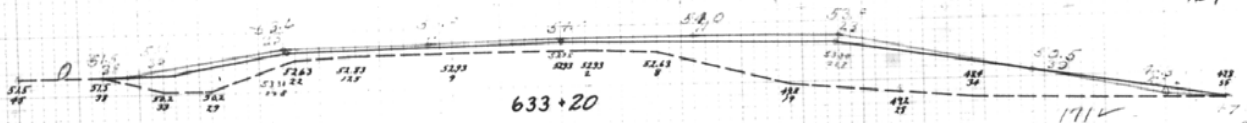
633+70



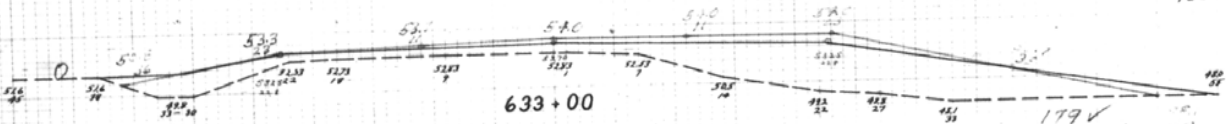
633+53



633+42



633+20



633+00



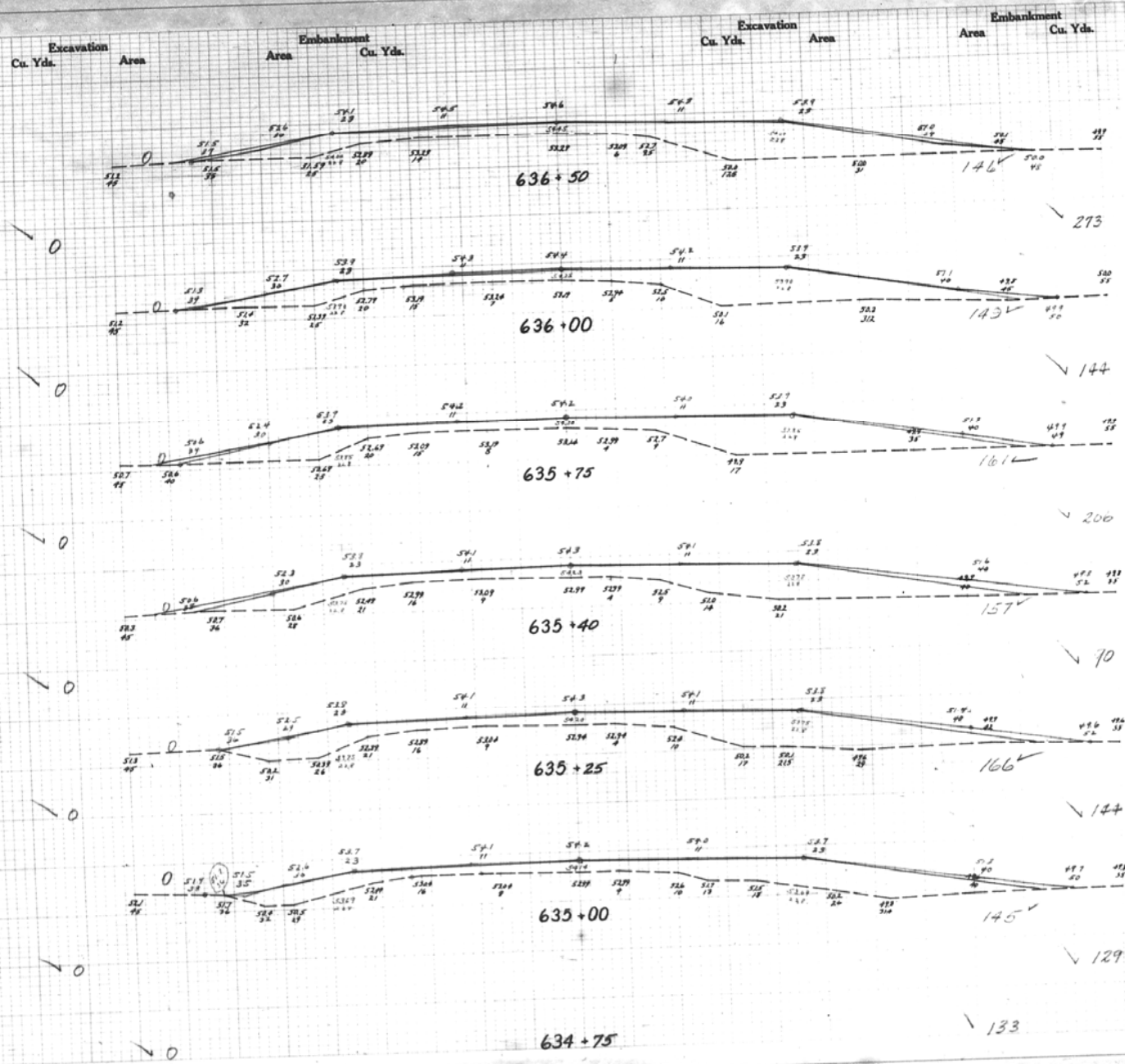
632+60

EXCAVATION	0	Cu. Yds.
EXCAVATION	0	Cu. Yds.
EMBANKMENT	627	Cu. Yds.

K O C A

PROJECT:
 LOCATION:
 DATE:
 DRAWN BY:
 CHECKED BY:
 SCALE:
 SHEET NO.
 TOTAL SHEETS:
 PROJECT NO.
 DRAWING NO.
 REVISIONS:
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DATE	BY	CHKD	DATE	BY	CHKD
1954-01-15	W.A.	W.A.	1954-01-15	W.A.	W.A.
295-0(2)					



SHEET TOTALS	EXCAVATION	EMBANKMENT	Cu. Yds.
	722	722	Cu. Yds.



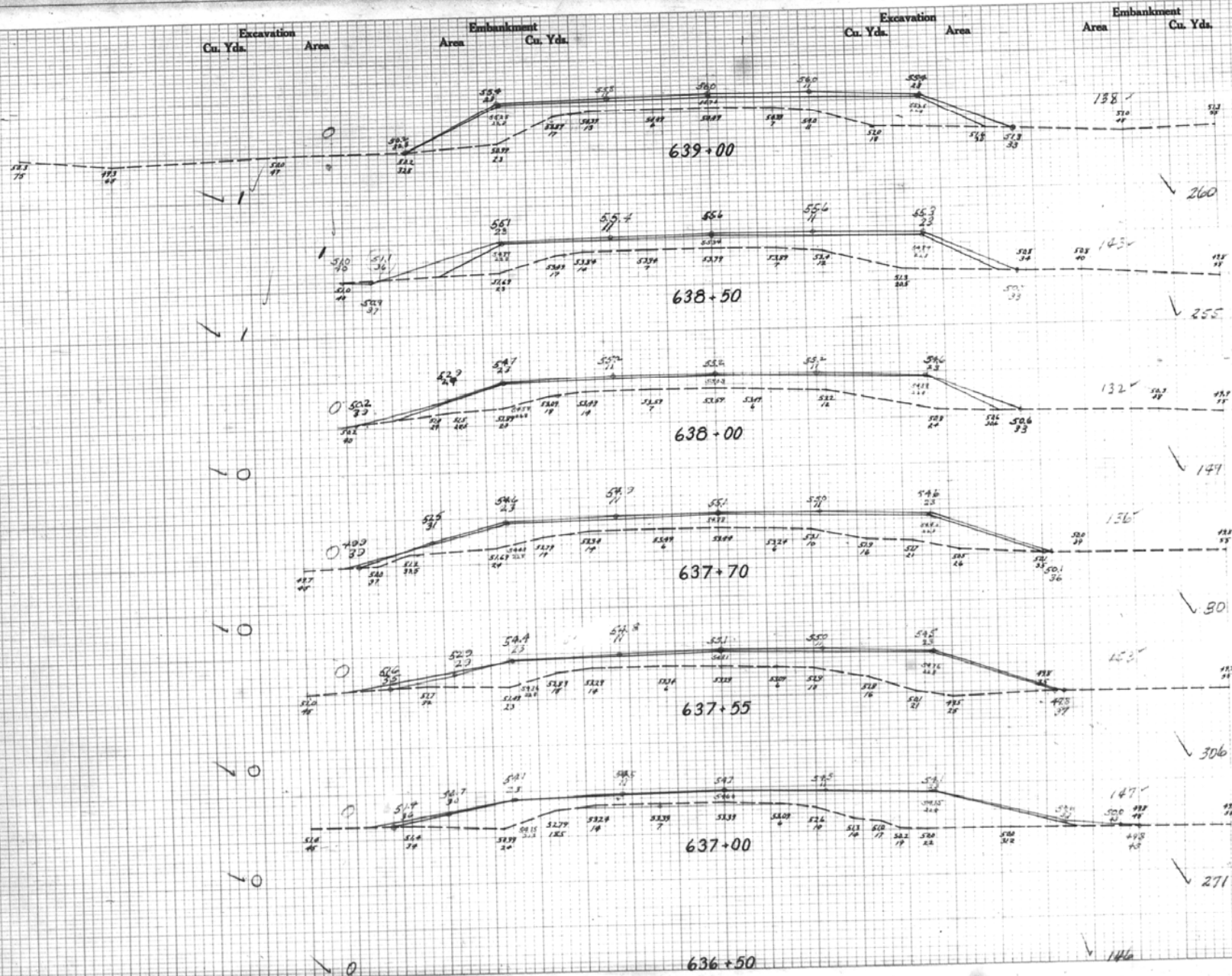
NO.	DATE	BY	CHKD	DATE	BY	CHKD
1	1954-01-15	W.A.	W.A.	1954-01-15	W.A.	W.A.
2	1954-01-15	W.A.	W.A.	1954-01-15	W.A.	W.A.
3	1954-01-15	W.A.	W.A.	1954-01-15	W.A.	W.A.
4	1954-01-15	W.A.	W.A.	1954-01-15	W.A.	W.A.
5	1954-01-15	W.A.	W.A.	1954-01-15	W.A.	W.A.
6	1954-01-15	W.A.	W.A.	1954-01-15	W.A.	W.A.
7	1954-01-15	W.A.	W.A.	1954-01-15	W.A.	W.A.
8	1954-01-15	W.A.	W.A.	1954-01-15	W.A.	W.A.
9	1954-01-15	W.A.	W.A.	1954-01-15	W.A.	W.A.
10	1954-01-15	W.A.	W.A.	1954-01-15	W.A.	W.A.

NO.	DATE	BY	CHKD	DATE	BY	CHKD
1	1954-01-15	W.A.	W.A.	1954-01-15	W.A.	W.A.
2	1954-01-15	W.A.	W.A.	1954-01-15	W.A.	W.A.
3	1954-01-15	W.A.	W.A.	1954-01-15	W.A.	W.A.
4	1954-01-15	W.A.	W.A.	1954-01-15	W.A.	W.A.
5	1954-01-15	W.A.	W.A.	1954-01-15	W.A.	W.A.
6	1954-01-15	W.A.	W.A.	1954-01-15	W.A.	W.A.
7	1954-01-15	W.A.	W.A.	1954-01-15	W.A.	W.A.
8	1954-01-15	W.A.	W.A.	1954-01-15	W.A.	W.A.
9	1954-01-15	W.A.	W.A.	1954-01-15	W.A.	W.A.
10	1954-01-15	W.A.	W.A.	1954-01-15	W.A.	W.A.



FINAL
SURVEY
NOTES
DATE: 1942
BY: J. H. D.
CHECKED: J. H. D.
APPROVED: J. H. D.

ORIGINAL
SURVEY
NOTES
DATE: 1942
BY: J. H. D.
CHECKED: J. H. D.
APPROVED: J. H. D.

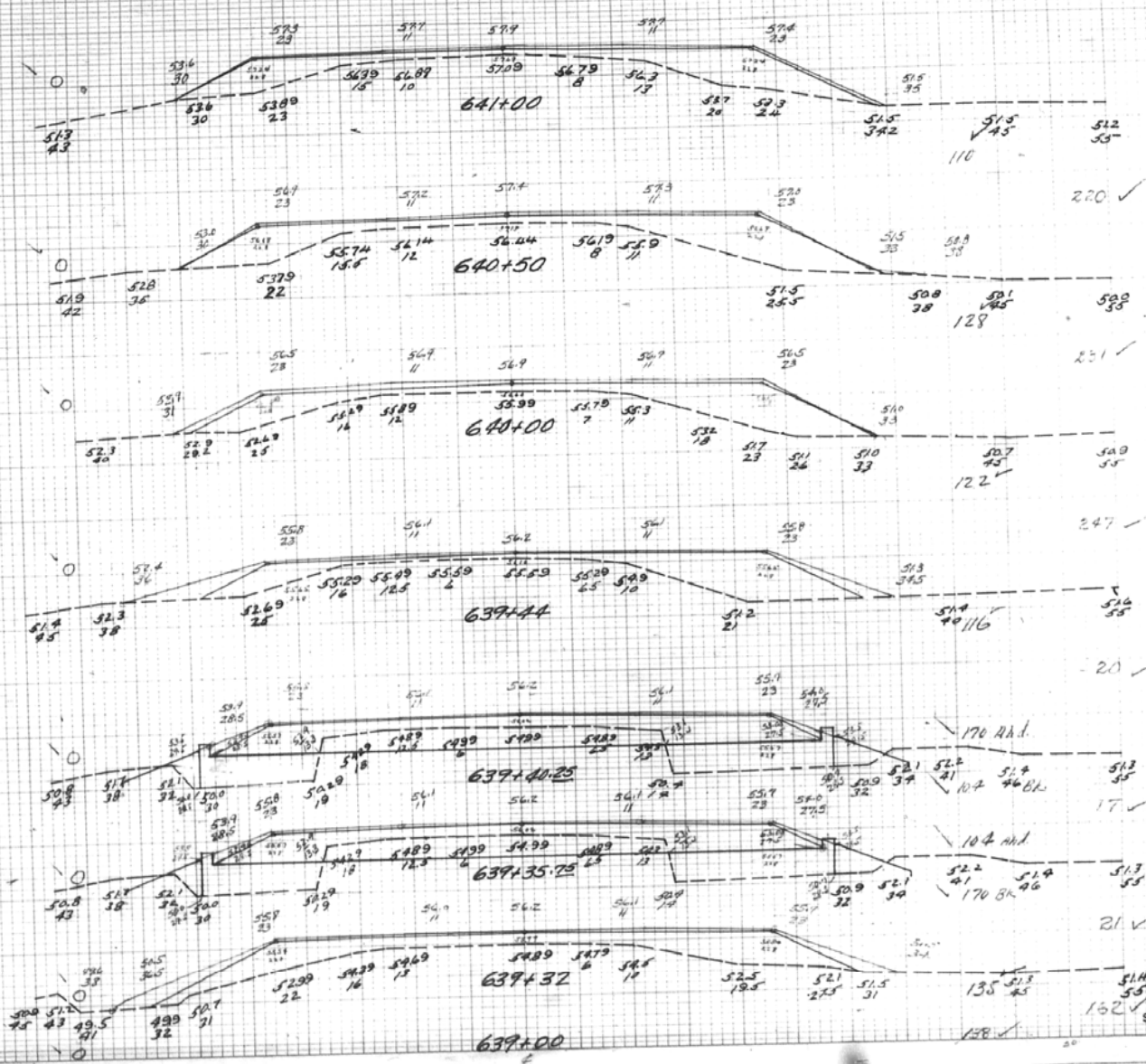


FILE NO.	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
2	OHIO	295-001	63	

SHEET TOTALS (EXCAVATION) (EMBANKMENT) 1321.00

F.R.P.				
FED ROAD DIST NO.	STATE	PROJ NO.	SHEET NO.	TOTAL SHEETS
8	CALIF.	2962(2)	14	

FINAL CONSTRUCTION SHEET



✓ SHEET TOTALS (EXCAVATION 0 CU YDS, EXCAVATION 918 CU YDS, EMBANKMENT 0 CU YDS)

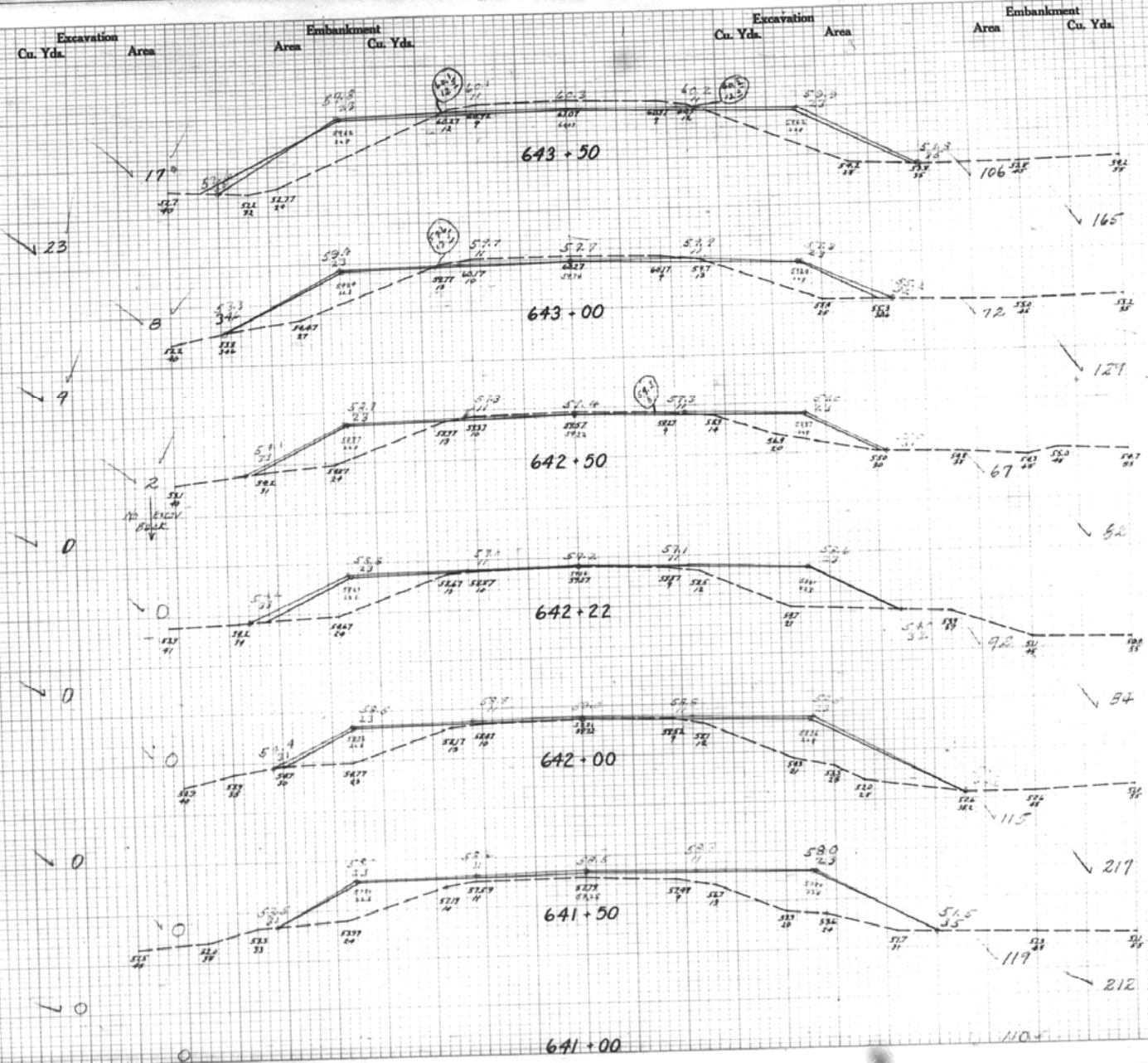
118 1942
 ENG. DIV.
 S. H. D.

PROJECT / Location
 DIST
 DATE
 DRAWN BY
 CHECKED BY
 SCALE

ORIGINAL
 IN CHARGE
 PROJECT
 DATE
 SCALE

FILE NO.	STATE	PROJECT	SHEET	TOTAL
295-D18	IL			

FINAL CONSTRUCTION SHEET

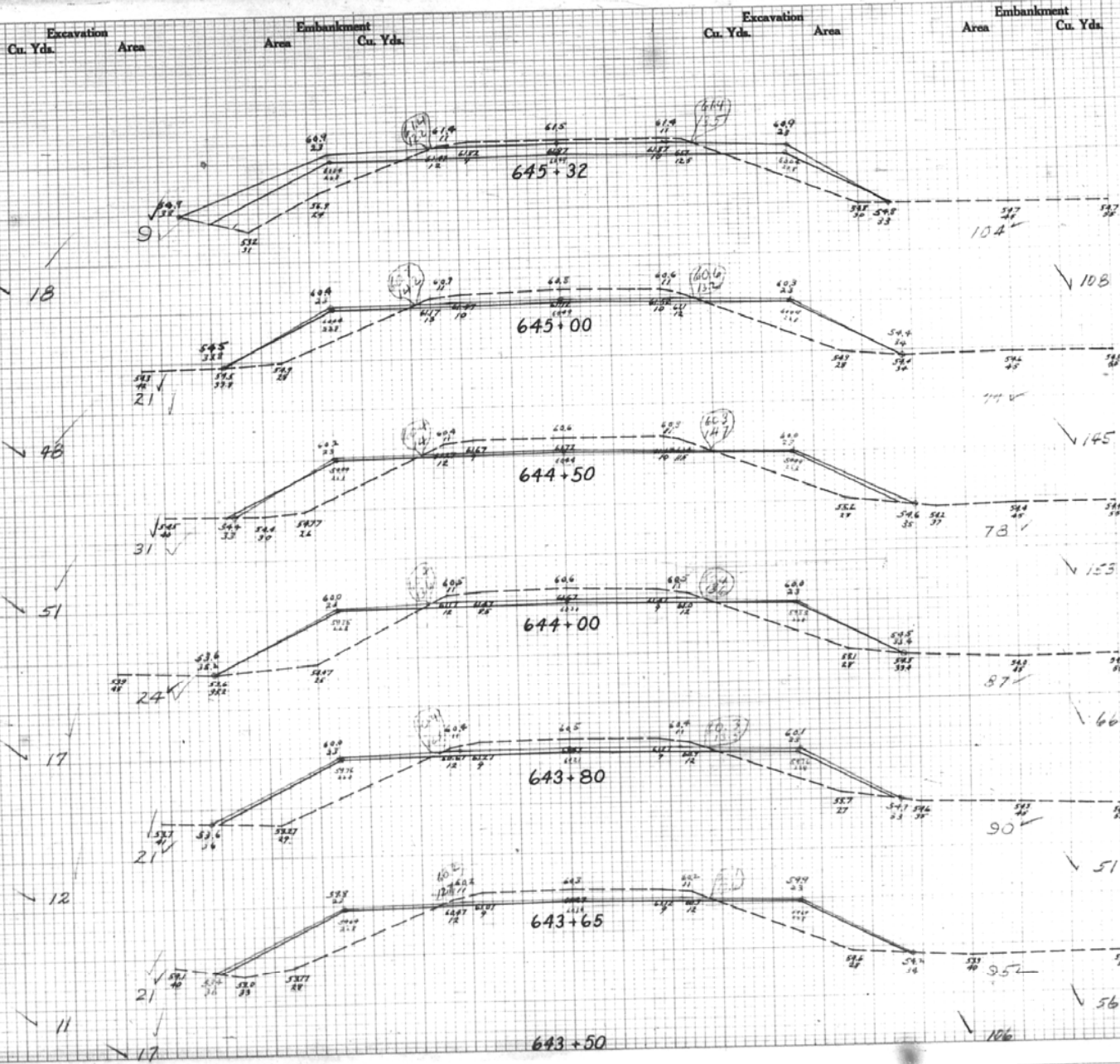


SHEET TOTALS		EXCAVATION	EMBANKMENT
32	32	32	32

1942
L. O.V.
H. D.

APPROVED
BY
DATE
1942

ORIGINAL
SURVEY
DATE
1942



FEED ROAD	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
295-000				

FINAL CONSTRUCTION SHEET

SHEET TOTALS	EXCAVATION	EMBRANKMENT	CU. YDS.
	1576	574	2150

Excavation
Cu. Yds. Area

Embankment
Area Cu. Yds.

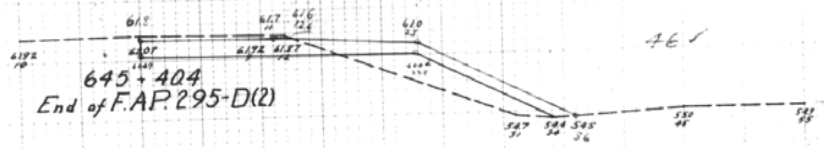
Excavation
Cu. Yds. Area

Embankment
Area Cu. Yds.

FILE NO.	DATE	BY	NO.	SHEET	TOTAL
295-D(2)				22	

FINAL CONSTRUCTION SHEET

295-D(2) Total Embankment = 8070 Cu Yds ✓
" " Excavation = 211 " " ✓



SHEET TOTALS
EXCAVATION
EMBRANKMENT

2
23
25

645+32

Excavation
Cu. Yds. Area

Embankment
Area Cu. Yds.

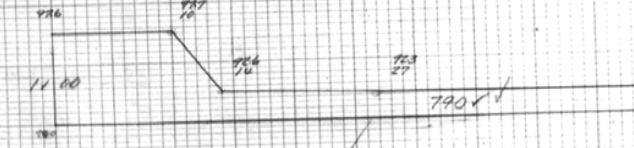
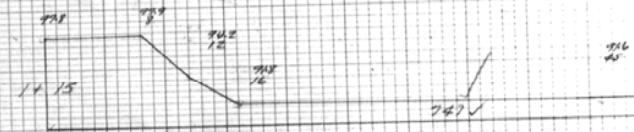
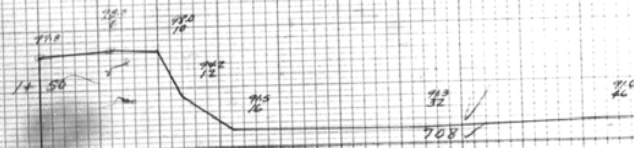
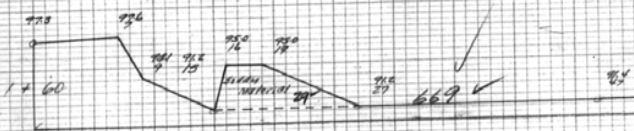
K.A.R. 245 C.M. & D. (2)
Borrow Pit No. 17 (Rt of Baseline)
Final Cross Sections
Sheet 2 of 6 Sheets

Excavation
Area

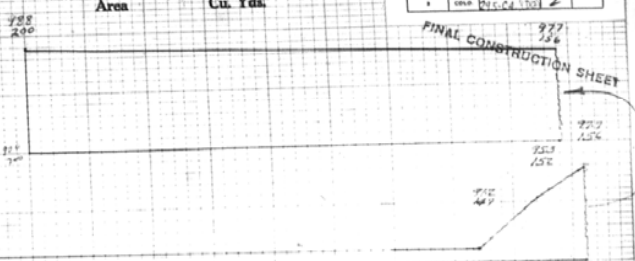
Soddy Material
Embankment
Area Cu. Yds.

FEED ROAD	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	COLO.	245 C.M. & D.	2	6

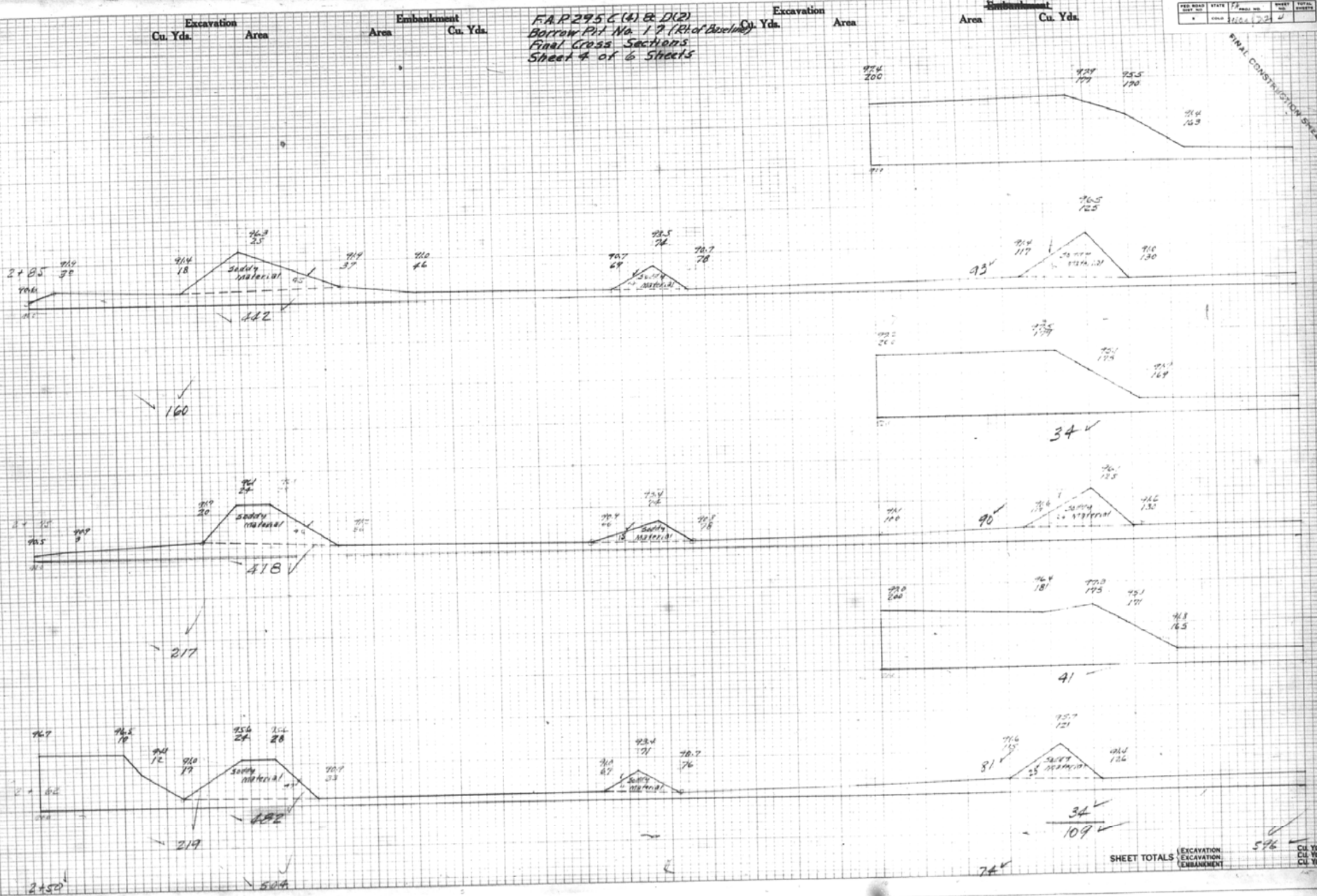
FINAL CONSTRUCTION SHEET



Note: Windrows of material left in bottom of pit are composed of sod stripped from top of certain portions of pit before excavation. To compute volume remaining in pit use dashed line shown along bottom of windrows. As this sod is an excellent soil quantity to compare standing age water. The amount of material shown in these windrows (14.15 cu yds) is to be subtracted from total excav. figure (14.15 cu yds) leaving 14.15 cu yds. needed from pit to roadway.

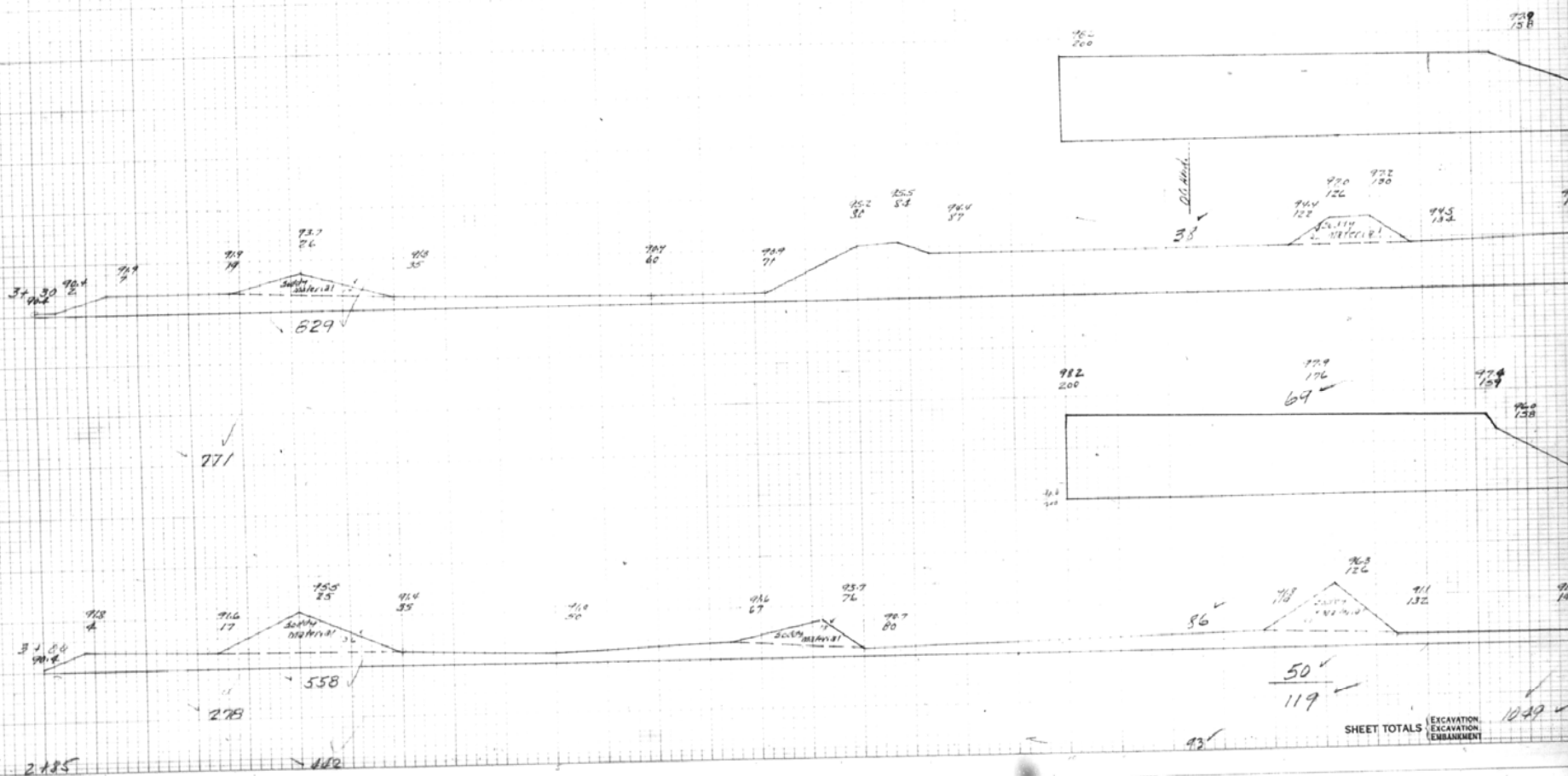


FINAL CONSTRUCTION SHEET





FINAL CONSTRUCTION S

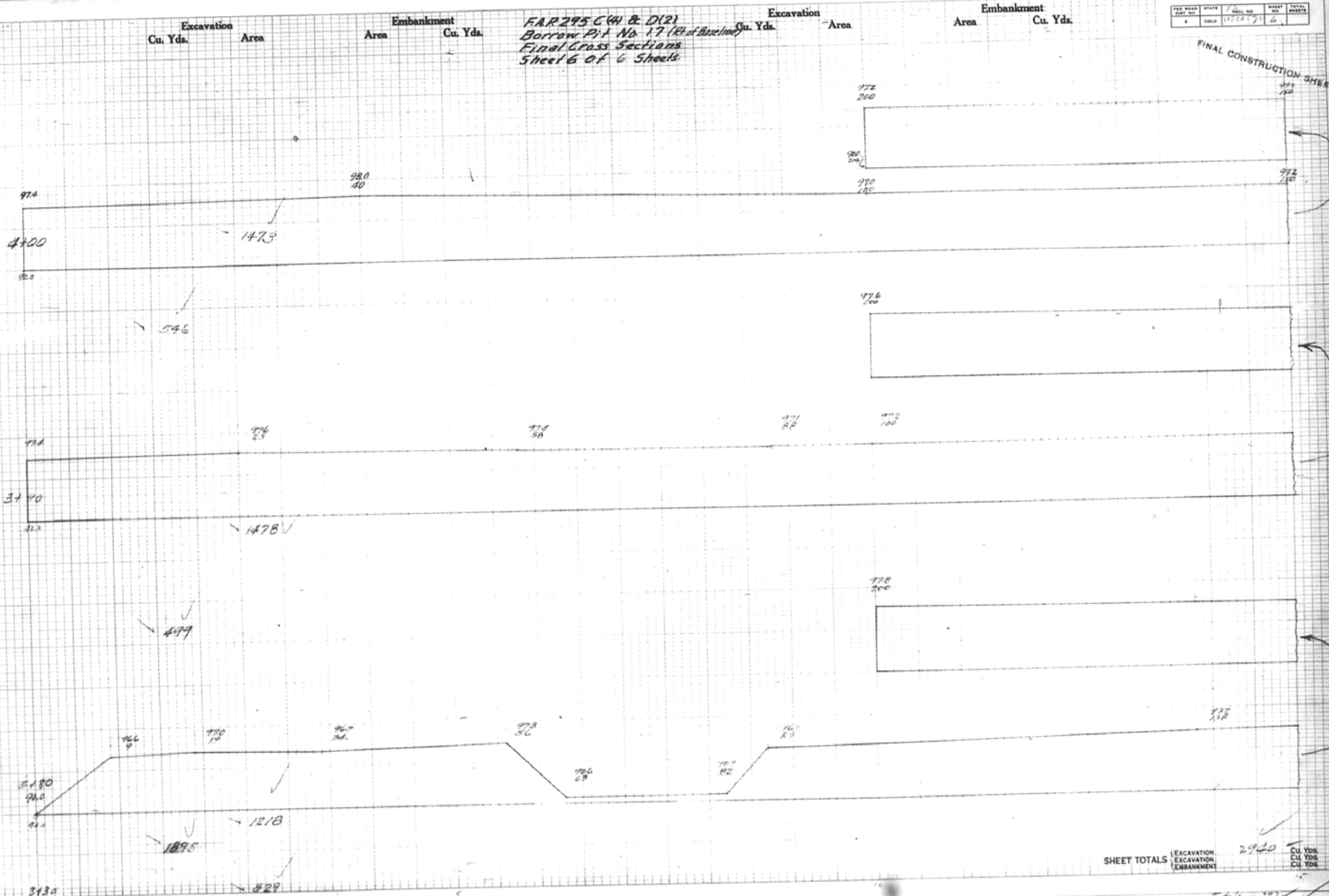


FEB 1942
 ENG. DIV.
 S. H. O.

FAR 295 C(4) & D(2)
 Borrow Pit No. 17 (Rt. of Base Line)
 Final Cross Sections
 Sheet 6 of 6 Sheets

PER. NO.	STATE	DATE	NO.	TOTAL
1	GA.	11/24/31	6	

FINAL CONSTRUCTION SHEET



SHEET TOTALS
 EXCAVATION 2940
 EMBANKMENT 2940

W O D A K S A F T Y A F I L M



FINAL
SURVEY
NOTES
NO. 100

ORIGINAL
SURVEY
NOTES
NO. 100

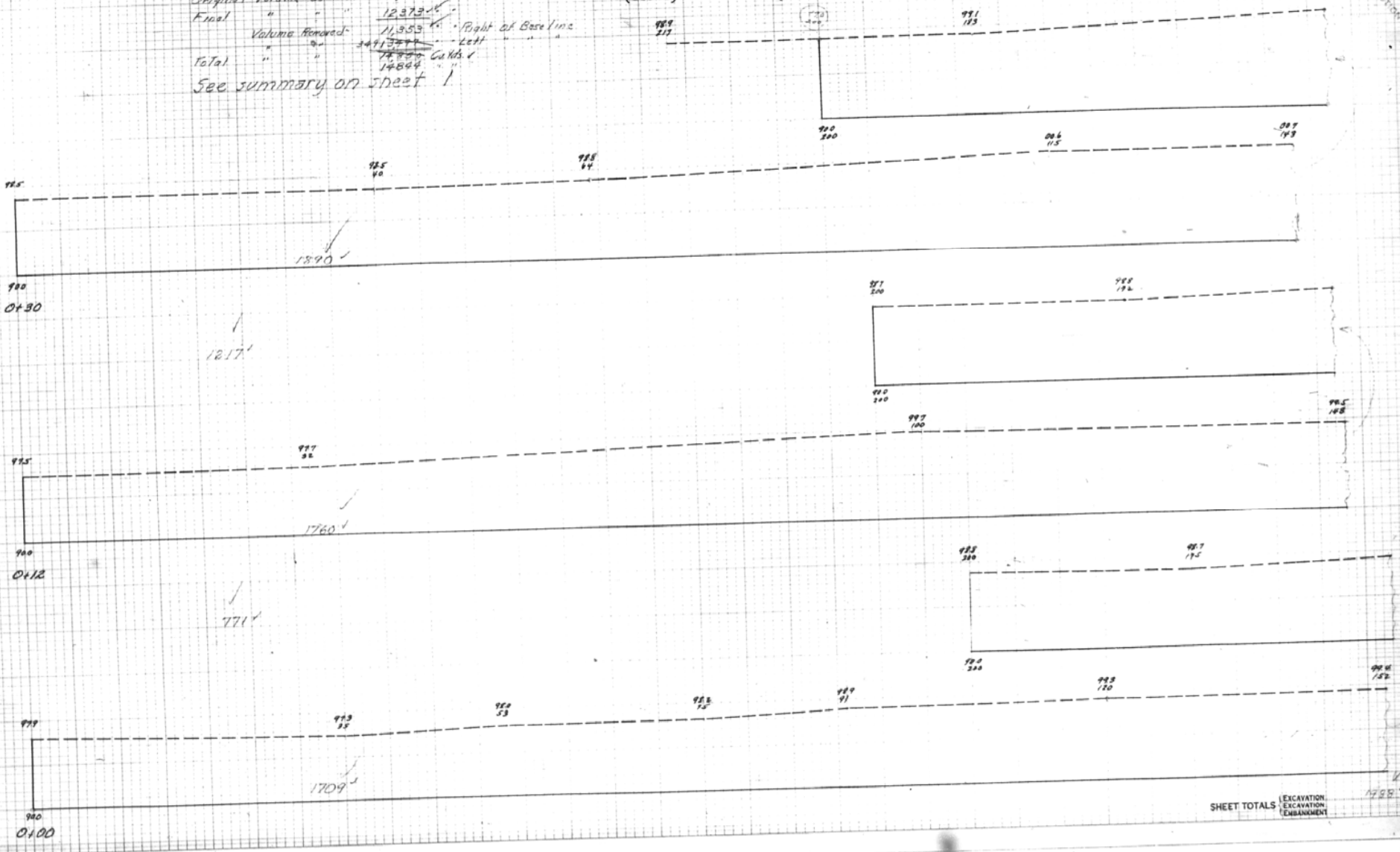
Excavation		Embankment		Excavation		Embankment	
Cu. Yds.	Area	Area	Cu. Yds.	Cu. Yds.	Area	Area	Cu. Yds.

FAP 245: D(4) & C(4)
Barrow Pit No 17 (Rt of Base Line)
Original Cross Sections
Sheet 1 of 6 Sheets
(See Page #7 of Book No 3)

Original Volume of Pit 23,726 Cu Yds
Final " " 12,373 ✓
Volume Removed 11,353 ✓
Total " " 34,913 ✓
14,800 Cu Yds ✓
14,804 " ✓
See summary on sheet 1

FILE NO.	STATE	PROJECT	SHEET	TOTAL SHEETS
245	AK	BARROW	100	100

FINAL CONSTRUCTION OVER



SHEET TOTALS
EXCAVATION
EMBRANKMENT

EXCAVATION
EMBRANKMENT

NEW YORK
FEB 1942
ING. DIV.
N. D.

FINAL
SURVEY
N. D.

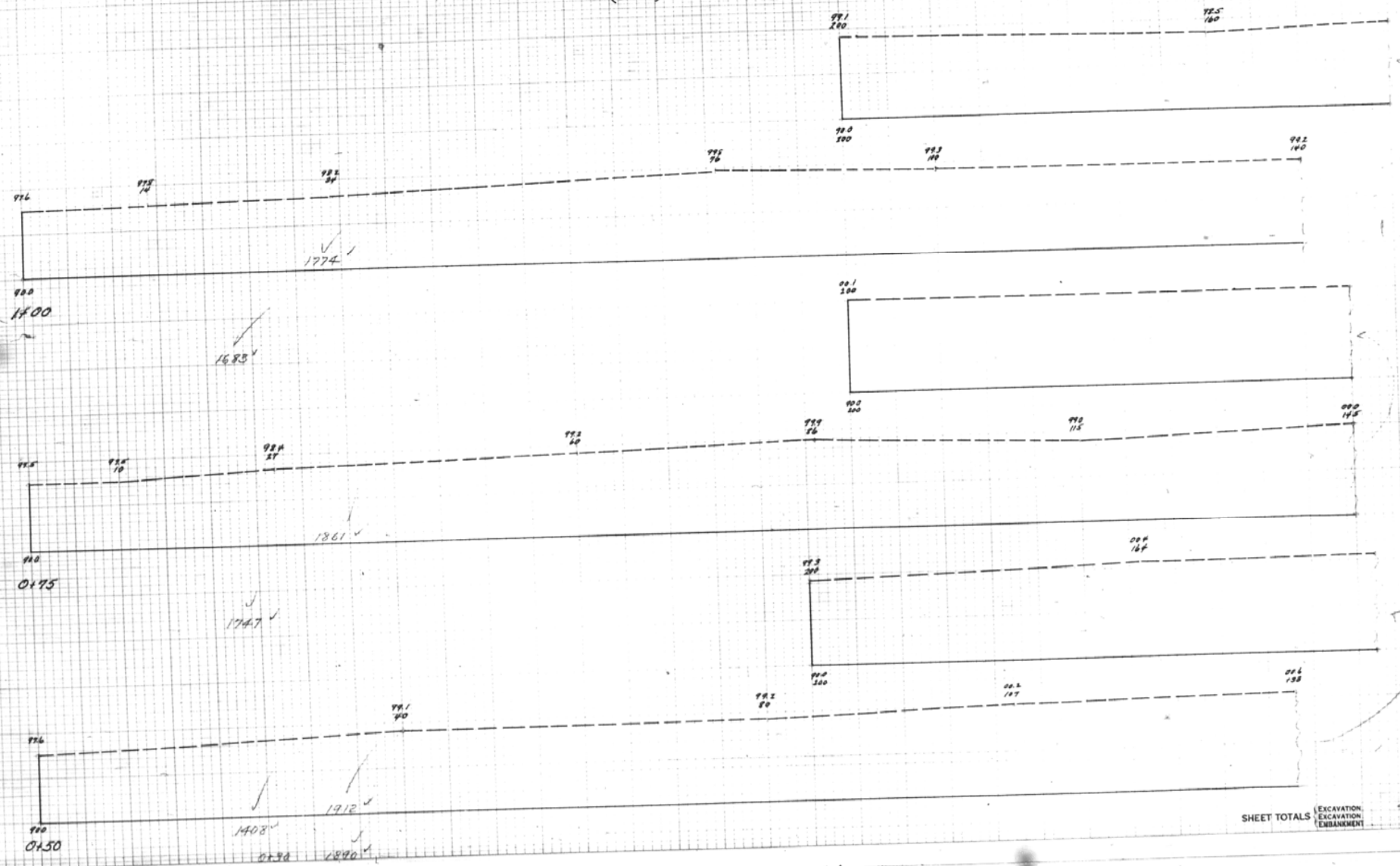
ORIGINAL
SURVEY
N. D.

Excavation Area Cu. Yds. Embankment Area Cu. Yds. Excavation Area Cu. Yds. Embankment Area Cu. Yds.

FAP 295 D(a) & C(4)
Barrow Pit No 17 (Rt of Base Line)
Original Cross Sections
Sheet 2 of 6 Sheets
(See Page #7 of Book No 3)

FILE NO.	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
295	AL	FAP 295	2	6

FINAL CONSTRUCTION SHEET



SHEET TOTALS
EXCAVATION
EXCAVATION
EMBANKMENT
CU. YDS.
CU. YDS.
CU. YDS.



STATE OF NEW YORK
DEPARTMENT OF TRANSPORTATION
ENGINEERING DIVISION
SOUTH HAVEN, CONNECTICUT

DESIGNED BY
CHECKED BY
APPROVED BY
DATE
PROJECT NO.
SHEET NO.

Excavation
Cu. Yds. Area

Embankment
Area Cu. Yds.

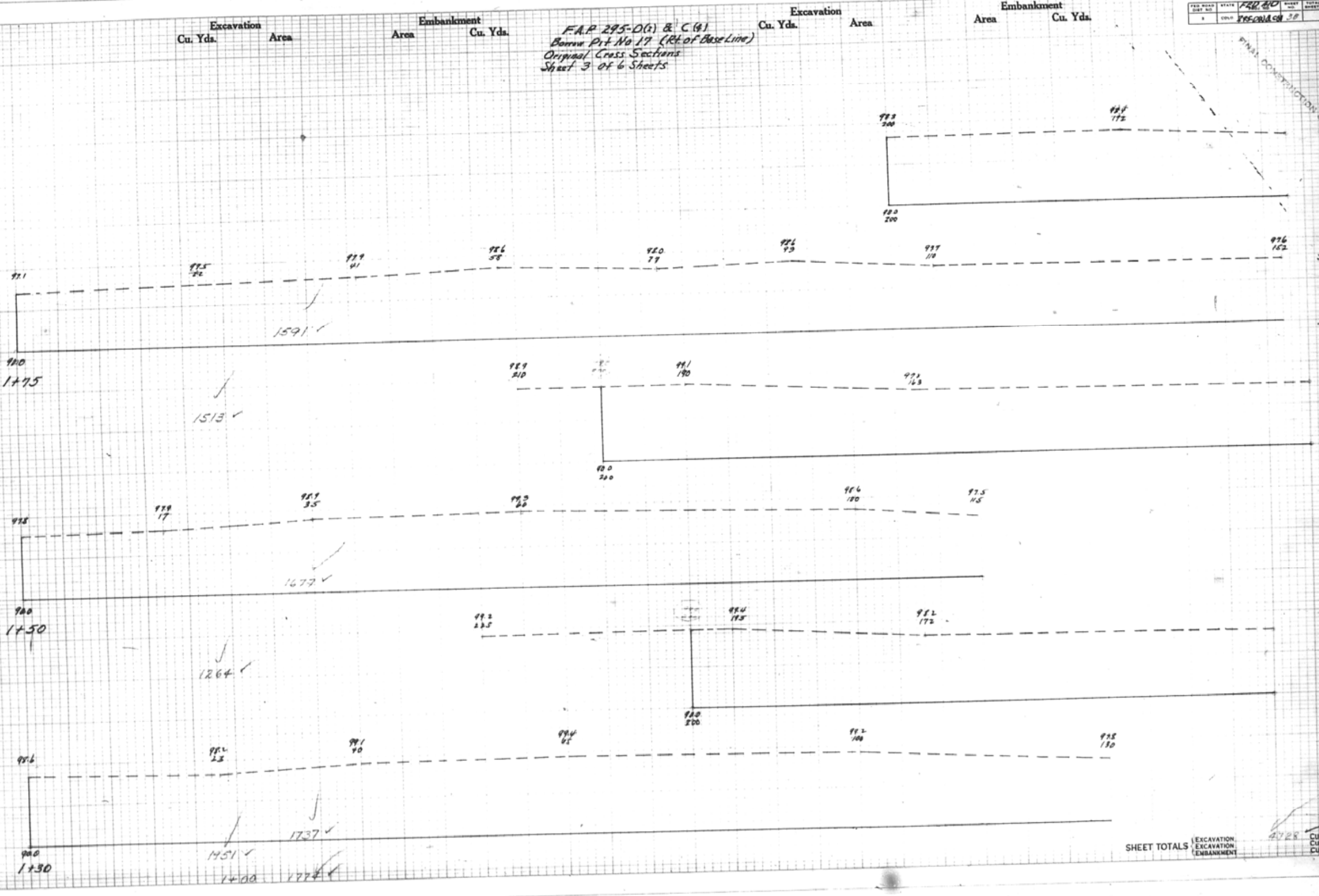
F.A.P. 295-D(1) & C(1)
Borrow Pit No 17 (Rt of Base Line)
Original Cross Sections
Sheet 3 of 6 Sheets

Excavation
Cu. Yds. Area

Embankment
Area Cu. Yds.

STATE OF NEW YORK
DEPARTMENT OF TRANSPORTATION
ENGINEERING DIVISION
SOUTH HAVEN, CONNECTICUT

FINAL CONSTRUCTION SHEET



SHEET TOTALS
EXCAVATION
EMBRANKMENT

4728
CU Y
CU Y
CU Y



DATE	
BY	
FOR	
REVISION	
NO.	

ORIGINAL	DATE	BY	FOR
SURVEY	11/13	Stearns	Transit
NO.		14441	Station
		14441	Station

Excavation Area Cu. Yds. Area Cu. Yds. Embankment Area Cu. Yds. Excavation Area Cu. Yds. Area Cu. Yds. Embankment Area Cu. Yds.

FAP 295 Div. B. C. (4)
Barrow Pit No. 17 (Rt of Base Line)
Original Cross Sections
Sheet 4 of 6 Sheets

FILE NO.	DATE	BY	FOR	NO.	DATE	BY	FOR
14441	11/13	Stearns	Transit	14441	11/13	Stearns	Transit

FINAL CONSTRUCTION SHEET

SHEET TOTALS

EXCAVATION
EXCAVATION
EMBANKMENT

CU. YD.
CU. YD.
CU. YD.



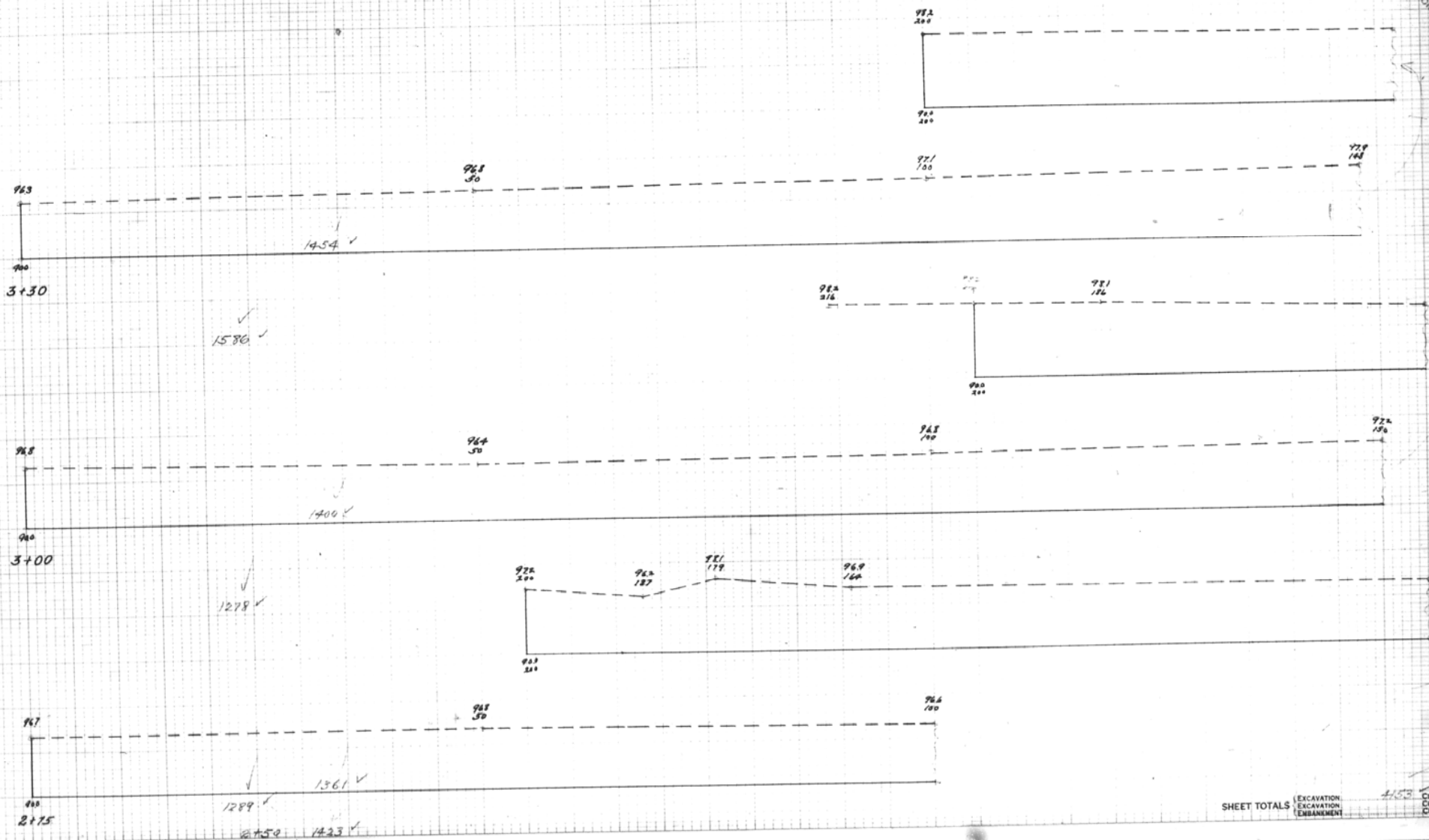
FINAL
SURVEY
RIGHT OF WAY
SHEET 5 OF 6

ORIGINAL
SURVEY
RIGHT OF WAY
SHEET 5 OF 6

Excavation Area Cu. Yds. Embankment Area Cu. Yds. Excavation Area Cu. Yds. Embankment Area Cu. Yds.

FAP 275 D(2) & C(4)
Borrow Pit No. 17 (Rt. of Base Line)
Original Cross Sections
Sheet 5 of 6 Sheets

FED. ROAD DIST. NO.	STATE	FED. AID	SHEET NO.	TOTAL SHEETS
275	MD	50	50	50



SHEET TOTALS

EXCAVATION
EMBANKMENT

CUL. YDS.
CUL. YDS.
CUL. YDS.

100' SCALE
 1/4" = 100'
 1/8" = 200'

ORIGINAL
 SURVEY
 100' SCALE
 1/4" = 100'
 1/8" = 200'

Excavation
 Cu. Yds. Area

Embankment
 Area Cu. Yds.

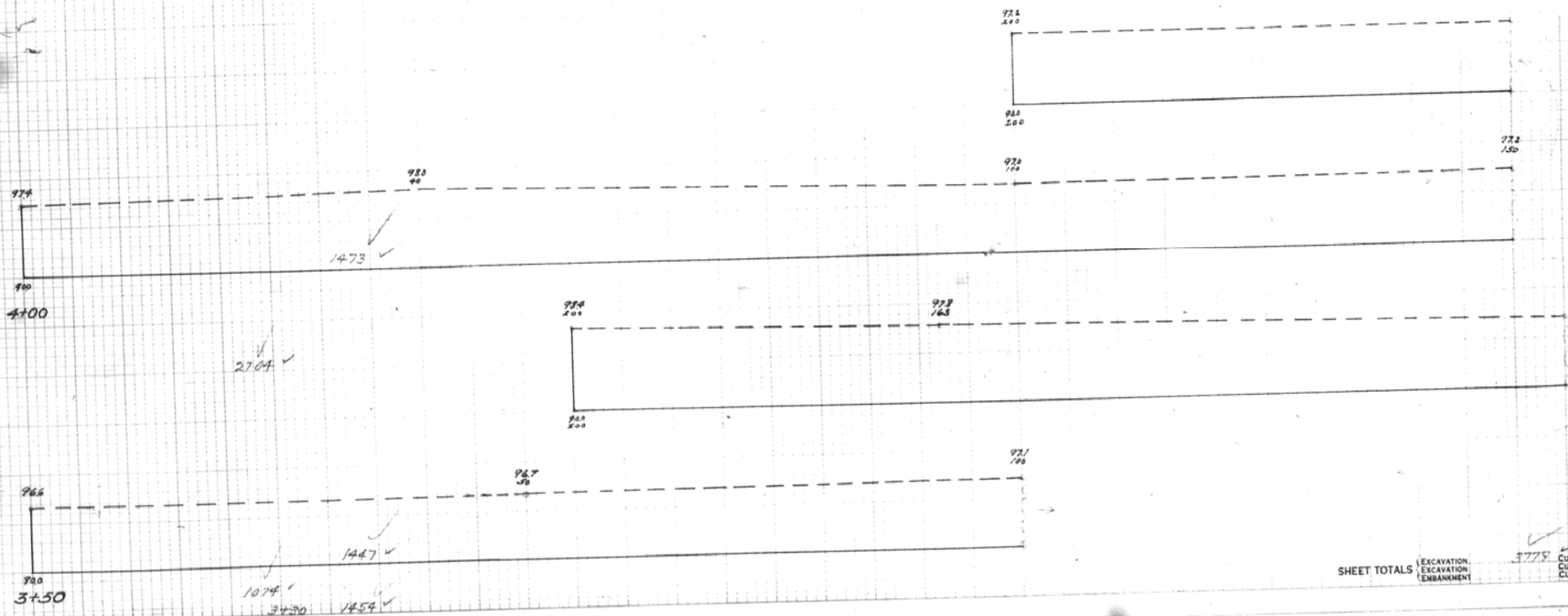
FAP 295 D(1) & C(4)
 Borrow Pit No 17 (Rt of Baseline)
 Original Cross Sections
 Sheet 6 of 6 Sheets

Excavation
 Cu. Yds. Area

Embankment
 Area Cu. Yds.

PER MILE	STATE	FED AID	SHEET	TOTAL
1	MD	95.000000	6	6

FINAL CONSTRUCTION SHEET



SHEET TOTALS

3779 ✓

Excavation
 Cu. Yds.
 Embankment
 Cu. Yds.



FINAL
DESIGN
SURVEY
NO. 1
DATE
FEB 1942
BY
S. N. D.

GENERAL
SURVEY
NO. 1
DATE
FEB 1942
BY
S. N. D.

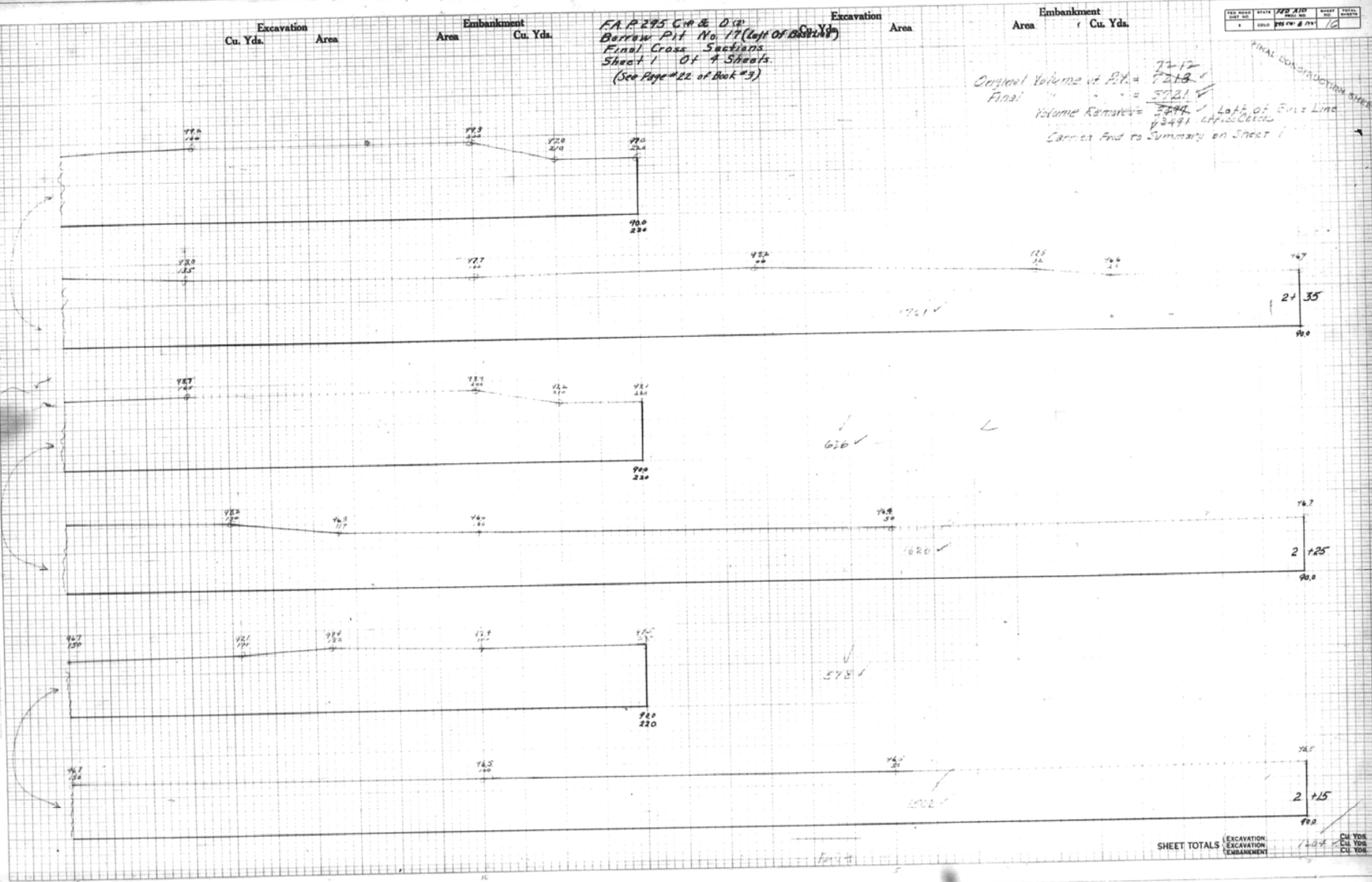
Excavation Area Cu. Yds. Embankment Area Cu. Yds. Excavation Area Cu. Yds. Embankment Area Cu. Yds.

F.A.P. 295 G.A. & D. (2)
Borrow Pit No. 17 (Left of Right Line)
Final Cross Sections
Sheet 1 of 4 Sheets
(See Page 22 of Book #3)

PER. NO.	DATE	BY	CHKD.	NO.	TOTAL
1	1942	S. N. D.		10	

Original Volume of Pit = 7212
Final = 5721
Volume Removed = 1491
Left of Right Line
Carry Over to Summary on Sheet 1

FINAL CONSTRUCTION SHEET



SHEET TOTALS EXCAVATION EMBANKMENT CU. YDS. CU. YDS. CU. YDS.



W. J. ...
JAN 1942

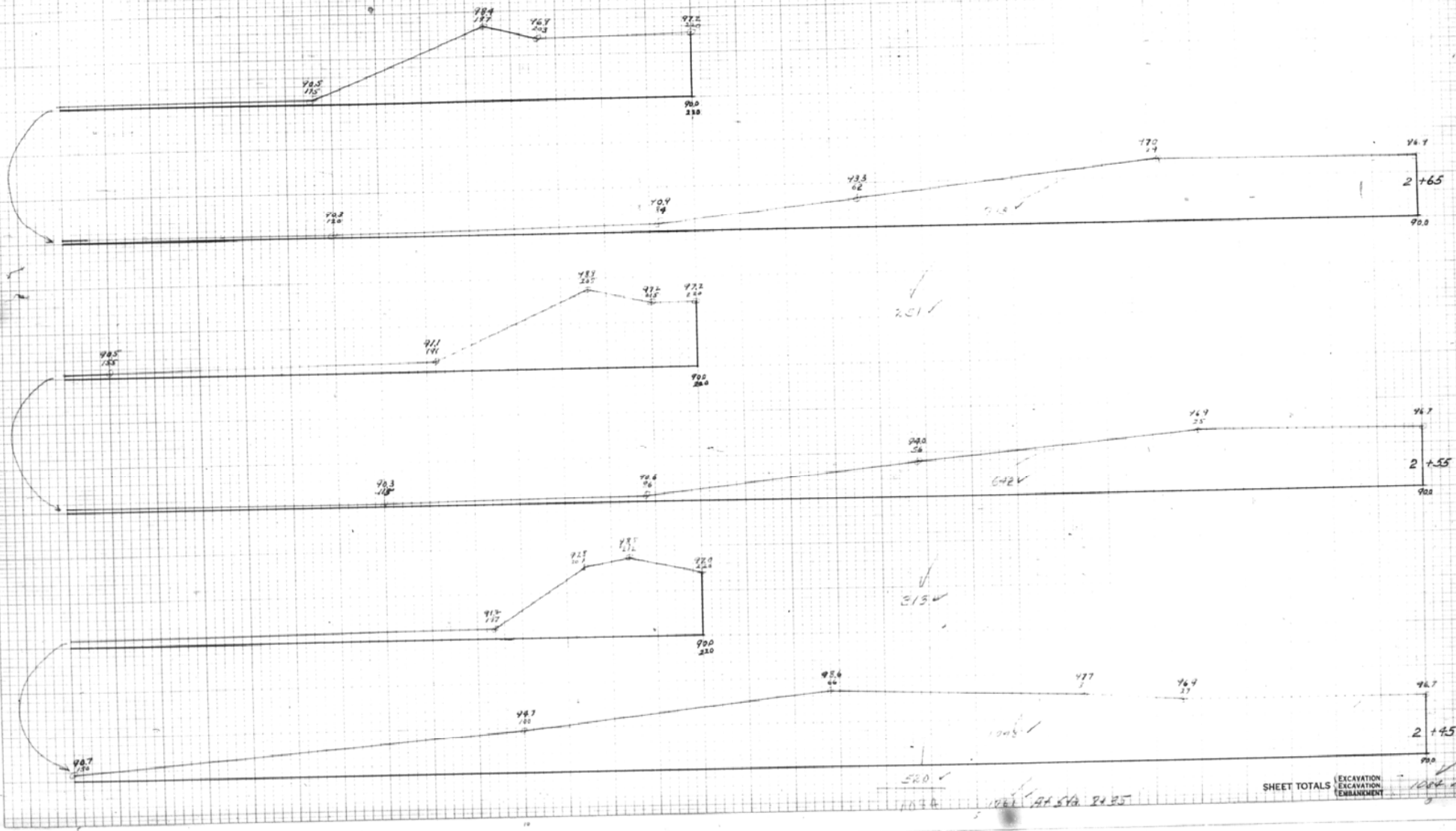
...

Excavation Area Cu. Yds. Embankment Area Cu. Yds. Excavation Area Cu. Yds. Embankment Area Cu. Yds.

FAP 295 C(4) & D(2)
Barrow Pit No. 17 (Left Of Baseline)
Final Cross Sections
Sheet 2 Of 4 Sheets

PER PAGE	STATE	FILE NO.	SHEET	TOTAL SHEETS
1	ALABAMA	295 C(4) & D(2)	20	

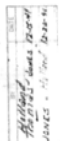
FINAL CONSTRUCTION



SHEET TOTALS

EXCAVATION
EMBRANKMENT

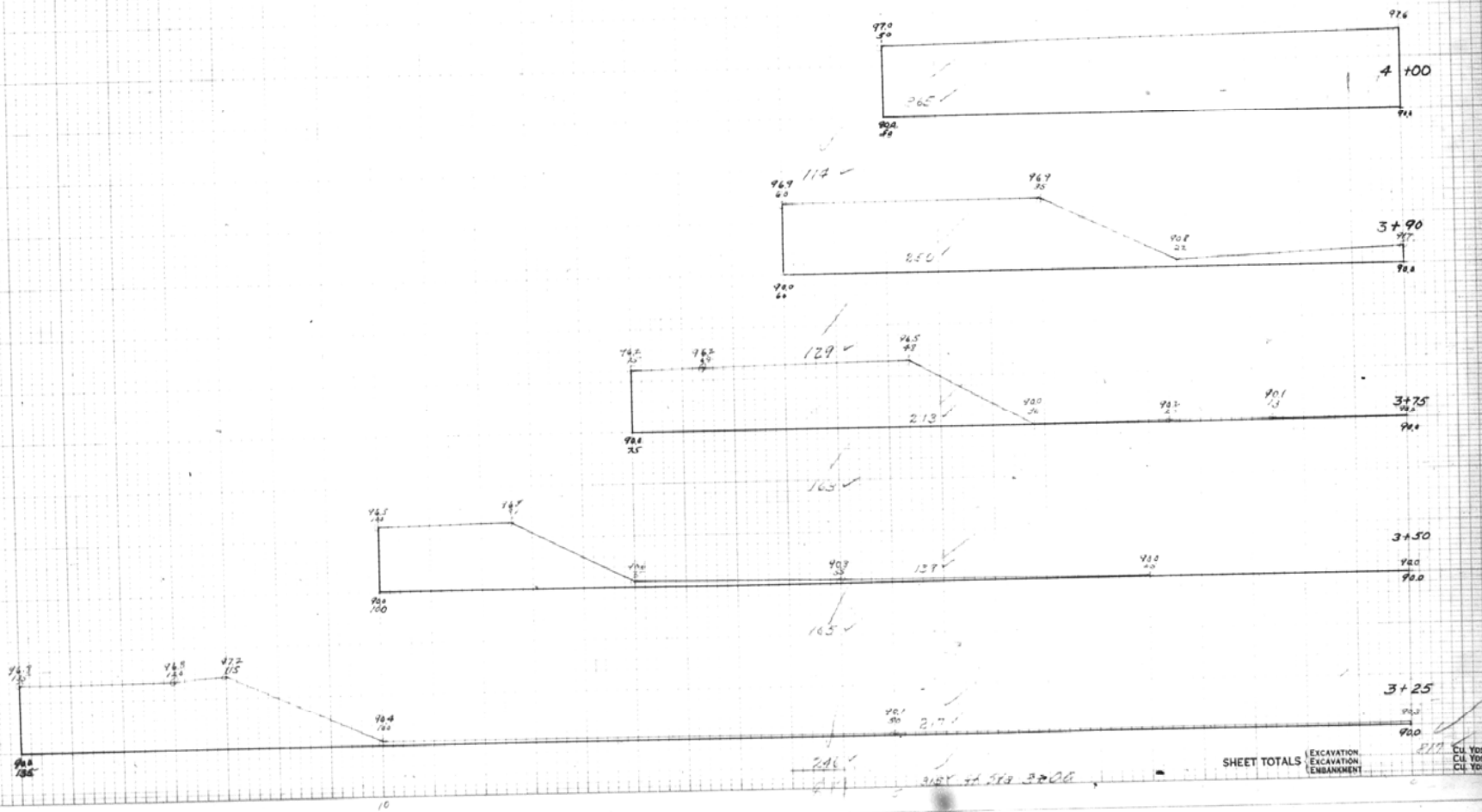
CY
CY



FINAL

FED ROAD DIST NO	STATE	FID NO	SHEET NO	TOTAL SHEETS
5	COLORADO	275-2-1-100	10	

FINAL CONSTRUCTION SHEET



W L M S A F E T Y



APPROVED FOR CONSTRUCTION
 JAMES L. BARNETT, JR.
 CIVIL ENGINEER
 No. 10,000

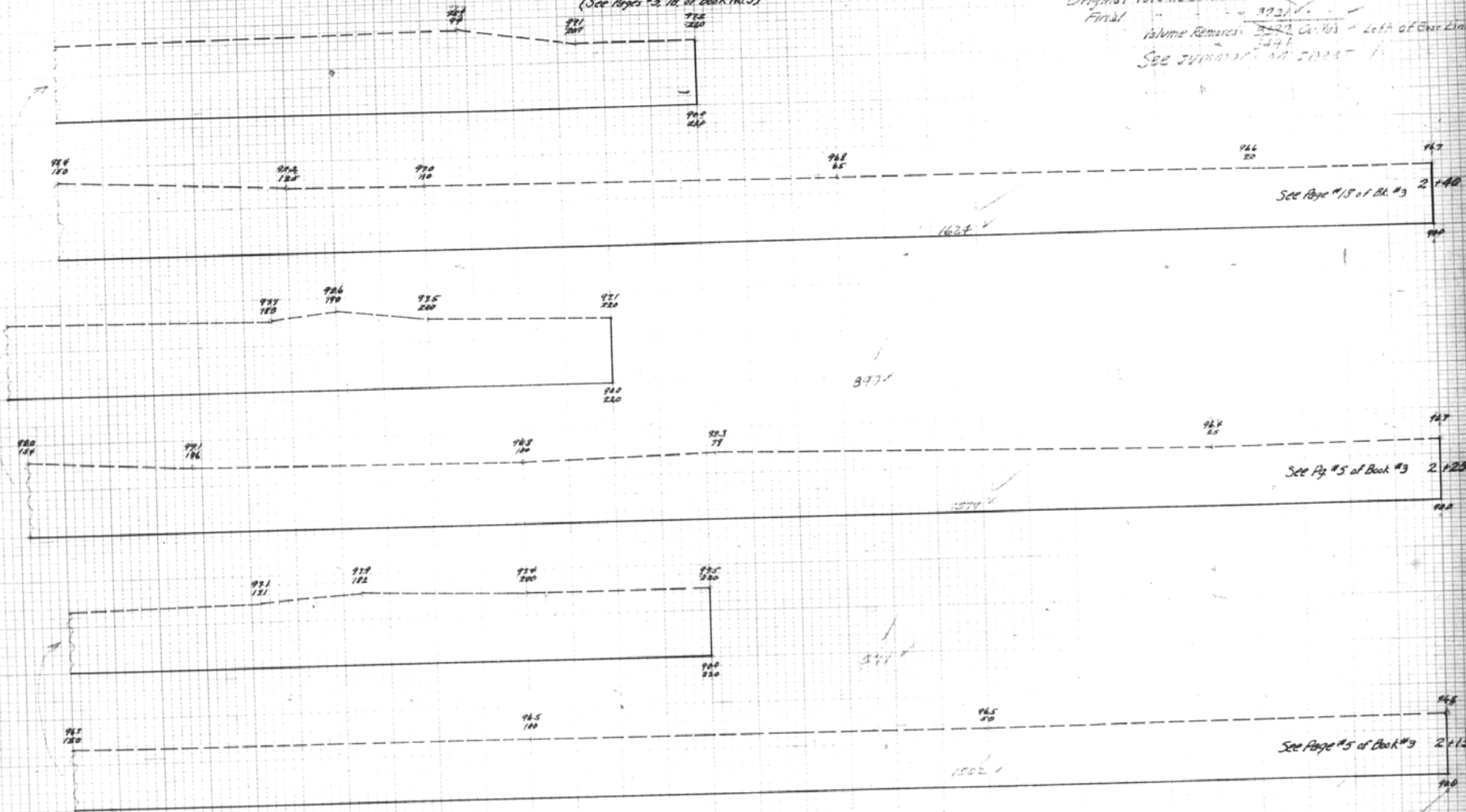
ORIGINAL
 BUREAU
 No. 10,000

Excavation Area Embankment Area Excavation Area Embankment Area

FAP 295 C(4) & D(4)
 BORROW PIT NO. 17 (Lt. of Base line)
 PRELIM. CROSS SECTIONS (2nd set)
 SHEET 1 OF 3 SHEETS
 (See Pages 18, 19, of Book No. 3)

PER. ROAD	STATE	FED. AID	SHEET	TOTAL
1	2	3	4	5
			10	

Original Volume of Pit = 7212 Cu. Yds.
 Final " = 3931 " "
 Volume Removed = 3281 Cu. Yds. - Left of Base Line
 See Summary of Sheet 1



SHEET TOTALS	EXCAVATION	EMBANKMENT



ENGINEER
DIVISION
S. H. D.

ENGINEER
DIVISION
S. H. D.

Excavation
Cu. Yds. Area

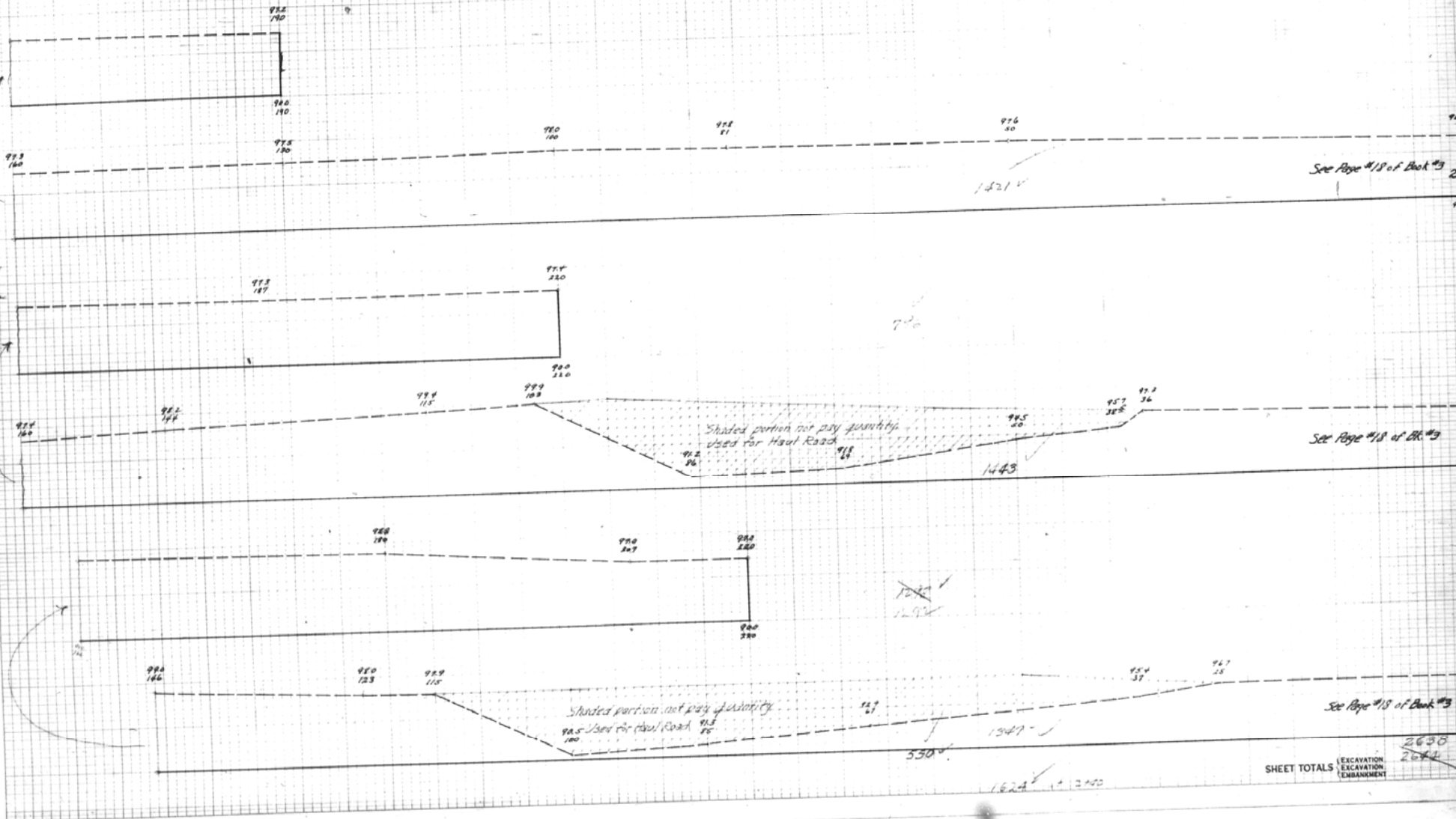
Embankment
Area Cu. Yds.

Excavation
Cu. Yds. Area

Embankment
Area Cu. Yds.

F.A.P. 213 C(1) & D(1)
BORROW PIT NO 17 (Lt. of Baseline)
PRELIM. CROSS SECTIONS (2nd set)
SHEET 2 OF 3 SHEETS

FEED BOARD	DATE	BY	NO.
213-210	1961	210	210



SHEET TOTALS
EXCAVATION
EXCAVATION
EMBANKMENT



DATE	NO.
APR 1942	10
APR 1942	11
APR 1942	12
APR 1942	13
APR 1942	14
APR 1942	15
APR 1942	16
APR 1942	17
APR 1942	18
APR 1942	19
APR 1942	20
APR 1942	21
APR 1942	22
APR 1942	23
APR 1942	24
APR 1942	25
APR 1942	26
APR 1942	27
APR 1942	28
APR 1942	29
APR 1942	30

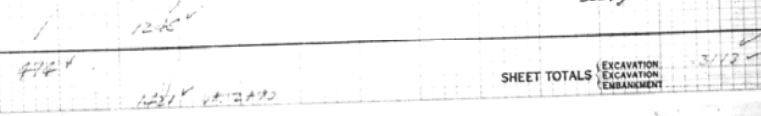
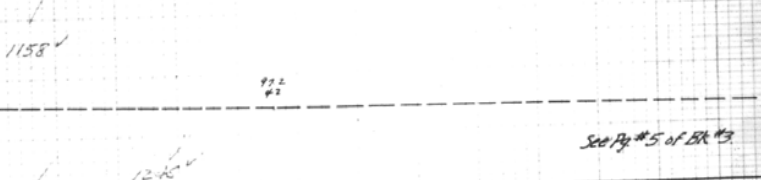
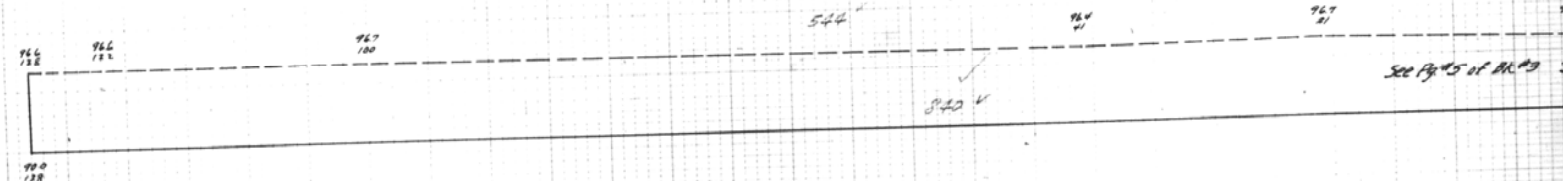
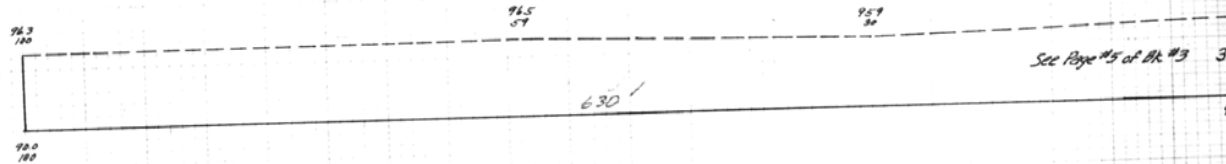
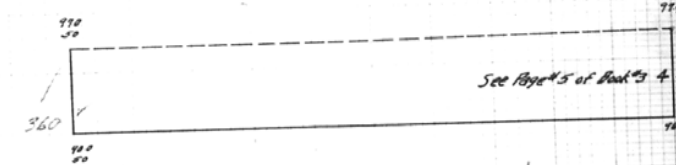
DATE	NO.
APR 1942	10
APR 1942	11
APR 1942	12
APR 1942	13
APR 1942	14
APR 1942	15
APR 1942	16
APR 1942	17
APR 1942	18
APR 1942	19
APR 1942	20
APR 1942	21
APR 1942	22
APR 1942	23
APR 1942	24
APR 1942	25
APR 1942	26
APR 1942	27
APR 1942	28
APR 1942	29
APR 1942	30

Excavation Area Cu. Yds. Area Embankment Cu. Yds. Excavation Area Cu. Yds. Area Embankment Cu. Yds.

FAP 195 C10 & D(2)
Borrow Pit No. 17 (Left of Road)
PRELIM CROSS SECTIONS (2nd Set)
Sheet 3 OF 3 Sheets

FED. ROAD DIST. NO.	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
215-210	MD	215-210	30	30

FINAL CONSTRUCTION



SHEET TOTALS

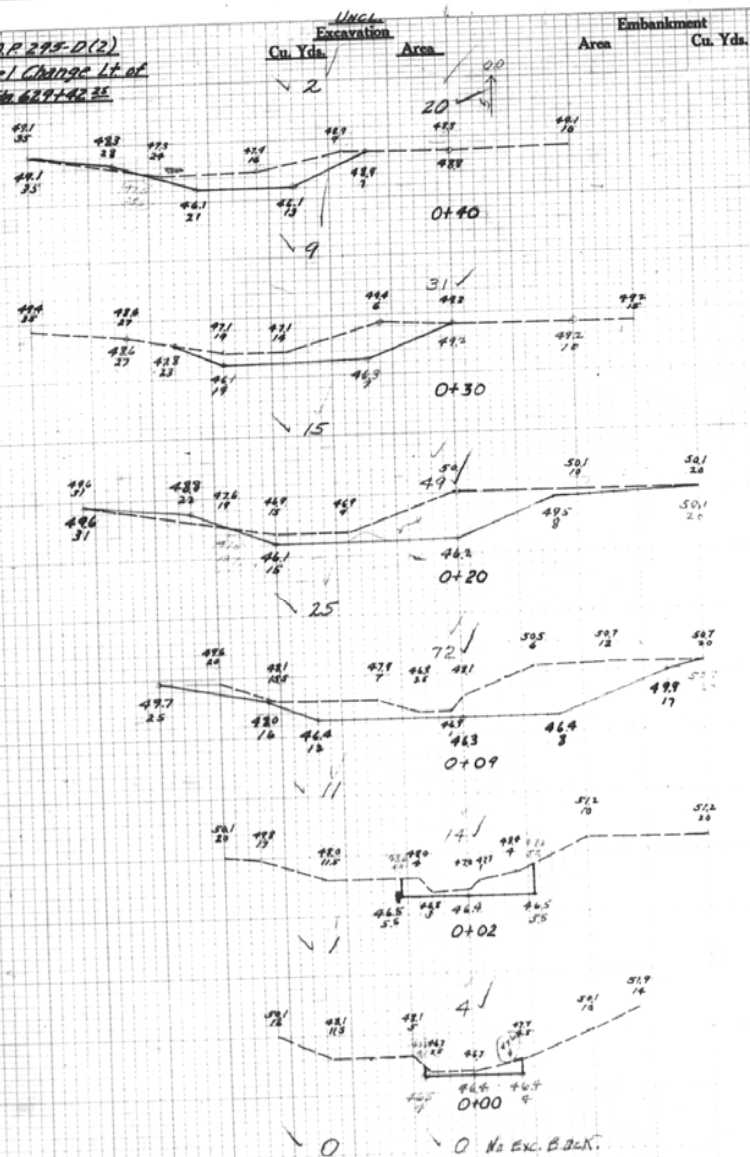
EXCAVATION
EXCAVATION
EMBANKMENT



U.S. ARMY CORPS OF ENGINEERS
FEB 1942
ENG. DIV.
S. H. D.

U.S. ARMY CORPS OF ENGINEERS
FEB 1942
ENG. DIV.
S. H. D.

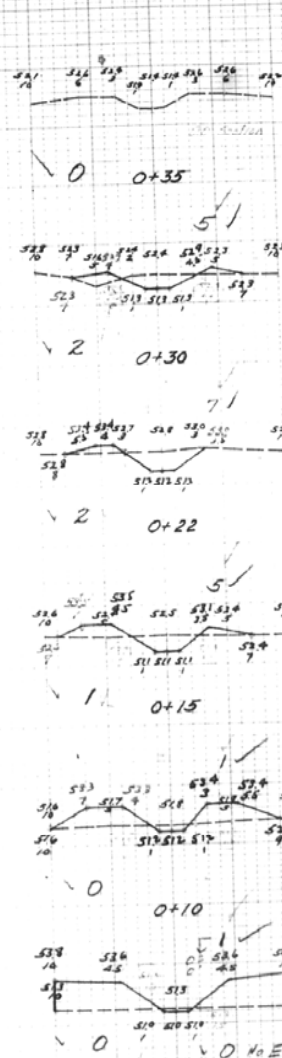
FAP 245-D(2)
Channel Change Lt. of
Sta 629+42.25



4.3 Cu Yds. Uncl. Excav.

Channel Change Lt. of Sta. 629+42.25
(Outlet)

FAP 245-D(2)
Outlet Ditch Lt. of Sta 634+15
Uncl. Ditch
Excavation
Cu Yds. Area

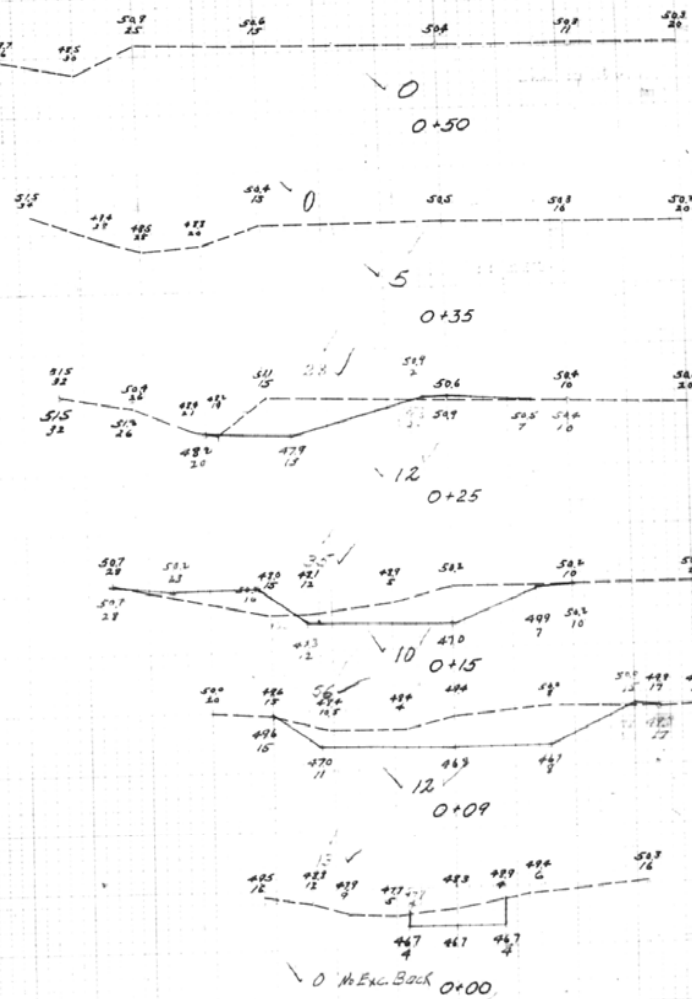


5 Cu Yds. Uncl. Ditch Excav.
Outlet Ditch Lt. Sta. 634+15

Excavation
Area
Cu Yds.

Uncl. Excav.
Area
Cu Yds.

FAP 245-D(2)
Channel Change Rt. of
Sta 629+42.25



3.9 Cu Yds. Uncl. Excav.
Channel Change Rt. of Sta. 629+42.25
(Inlet)

SHEET TOTALS
(Uncl. Ditch)
EXCAVATION
(Embankment)

FILE NO.	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
245-D(2)	1	2		

FINAL CONSTRUCTION

FEDERAL HIGHWAY DIVISION
 U.S. DEPARTMENT OF TRANSPORTATION
 WASHINGTON, D.C. 20540

PROJECT NO. 295-D(2)
 SHEET NO. 2
 DATE 10/1/58
 DRAWN BY J. L. BROWN
 CHECKED BY J. L. BROWN
 APPROVED BY J. L. BROWN

ORIGINAL SURVEY
 FIELD NOTES
 PLANS
 PROFILES
 ELEVATIONS
 DISTANCES
 BEARINGS
 CURVES
 SLOPES
 GRADES
 ETC.

UNCL. Excavation Area
 Cu. Yds. Area Cu. Yds.

F.A.P. 295-D(2)
 Channel Change Rt. and Lt. of
 Sta. 639+38

Uncl. Excav. = 20 Cu. Yds.

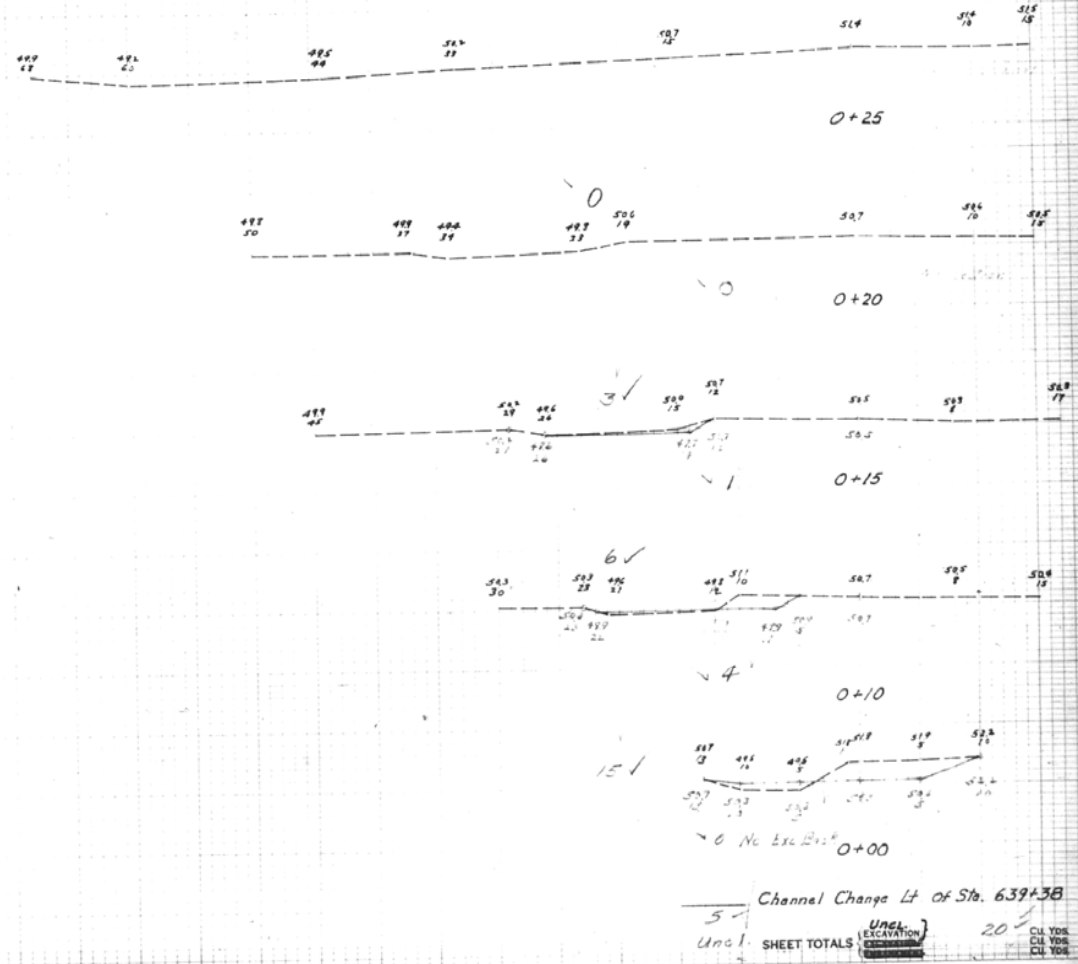
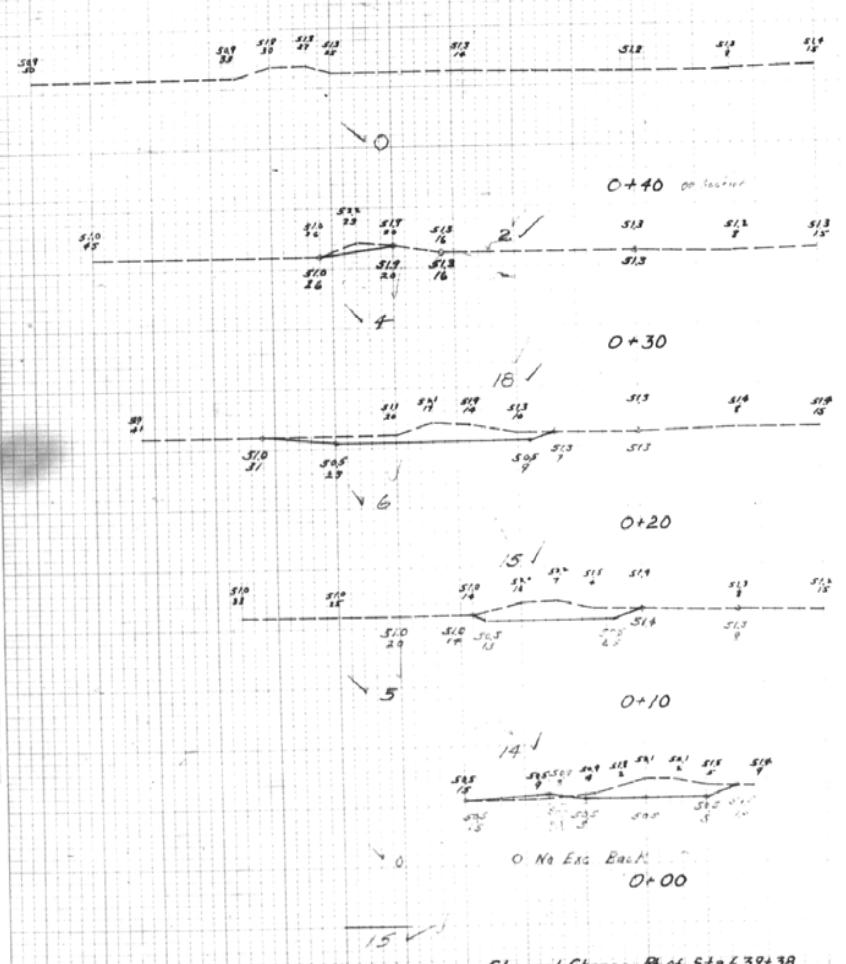
Excavation Area
 Cu. Yds. Area

UNCL. Excav. Area
 Cu. Yds.

PROJECT NO. 295-D(2)
 SHEET NO. 2
 DATE 10/1/58
 DRAWN BY J. L. BROWN
 CHECKED BY J. L. BROWN
 APPROVED BY J. L. BROWN

Ditch and Channel Changes

FINAL CONSTRUCTION SHEET



SHEET TOTALS
 UNCL. EXCAVATION
 20