FED. RD. DIST. NO.	STATE	FED. AID PROJ.	FISCAL YEAR
10	OHIO		1930

1/54

S.H. 330 SEC. D
TRUMBULL CO.

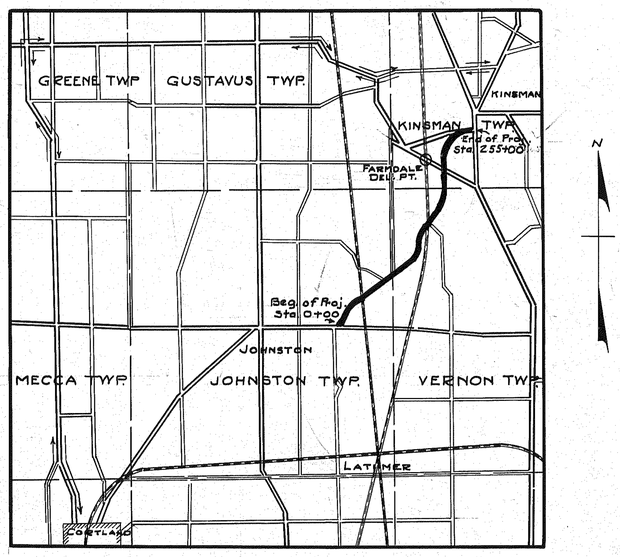
651-C

STATE OF OHIO
DEPARTMENT OF HIGHWAYS
WARREN ~ MEADVILLE RD.

S.H. 330 SEC. D PET. NO. 6926
TRUMBULL COUNTY
JOHNSTON VERNON & KINSMAN TWPS.

CONVENTIONAL SIGNS

Township Line
Property Line
Center Line
Fence Line
Telephone Line
Power Line
Steam Railroad
Guard Rail
Drain Pipe ~ New
Drain Pipe ~ Old



LOCATION PLAN

SCALE OF MILES

0 1 2 3 4 5 6 7 8

PORTION TO BE IMPROVED
DETOURS SHOWN THUS
IMPROVED ROADS

We the Commissioners of Trumbull County hereby approve these plans and certify that the right-of-way 60' feet wide is available for the construction, maintenance and repair of the above highway.

H. R. Schimmel
J. K. VanKeys
_____

Date:- 4-16-30 County Commissioners

SCALES

PLAN	1" = 100'
PROFILE V	1" = 10'
PROFILE H	1" = 100'
CROSS ~ SECTIONS	1" = 5'

The Standard Specifications of the State of Ohio, Division of Highways in force on date of contract will govern this improvement.

I hereby approve these plans and declare that the making of this improvement will require the closing to traffic of the highway and that detours will be provided as shown on the plan and estimates.

Approved:- R. V. Taylor
Date:- 4/12-30 Resident District Deputy Director

Approved:- (R. L. Leggett) P. E. Wild
Date:- 4/12-30 Resident Division Deputy Director
4/29/31

Approved:- H. P. Chapman Glenn Hilty
Date:- 5-24-30 Chief Engineer
5/2-31 Bureau of Construction

Approved:- _____
Date:- _____ Chief Engineer
Bureau of Maintenance

Approved:- J. R. Burkey
Date:- 5-22-30 Chief Engineer
Bureau of Bridges

Approved:- Wm. A. Bracken & H. P. Chapman
Date:- 5-26-30 State Highway Engineer 5-7-31

Approved:- Robert W. Reid A. W. Merrell
Date:- 5-26-30 Director of Highways 5-7-31

Recommended for Approval:- _____
Date:- _____ District Engineer
Bureau of Public Roads

Recommended for Approval:- _____
Date:- _____ Chief Engineer
Bureau of Public Roads

Approved:- _____
Date:- _____ Chief of Bureau

Approved:- _____
Date:- _____

CONSTRUCTION BUREAU
NOV 7 1955
GROUND PHOTOLAB

INDEX

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Structural Standard Drg's	{As. 2430; R.R.A {58-2430; - 300; B.C.A; 305, 95, 96, 98, 100, 105

Checked:- R.W. Van Atta 5-1-31 2-5-30 5-23-30

TRUMBULL - 330 - D

1931 Contract No. 2771
Letting Date 6-9-31

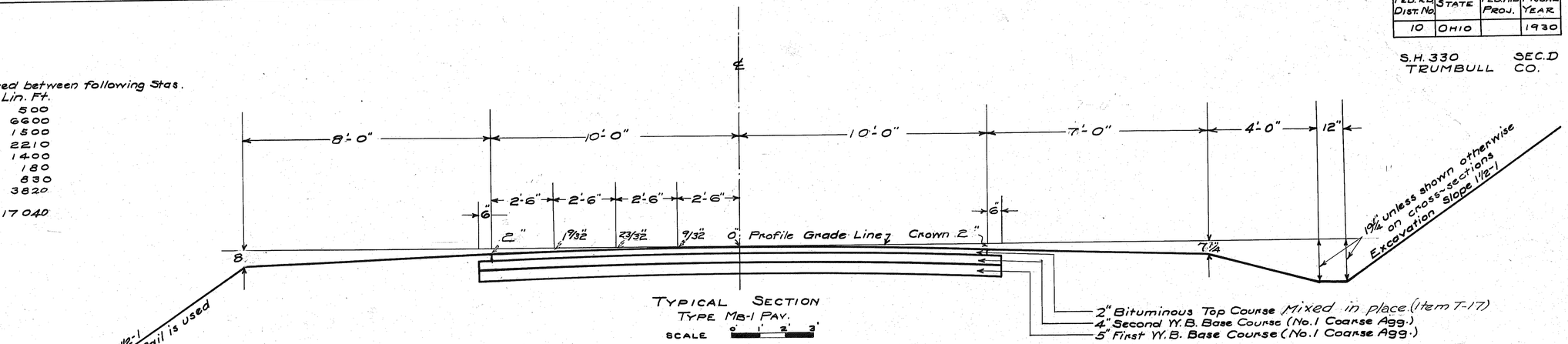
Fed. Rd. Dist. No.	State	Fed. Aid Proj.	Fiscal Year
10	Ohio		1930

2/54

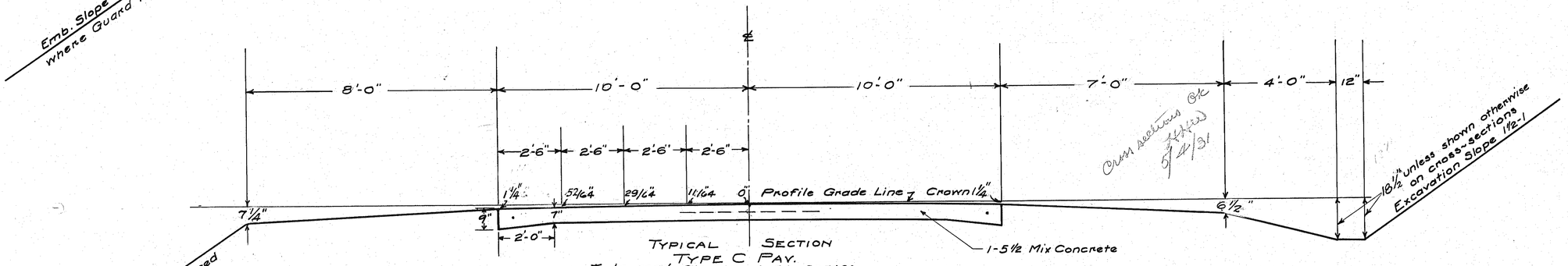
S.H. 330 Sec. D
Trumbull Co.

Type MB-1 Pav. to be used between following Stas.

Sta.	To	Sta.	Lin. Ft.
0+00	"	5+00	500
12+70	"	78+70	6600
95+90	"	110+90	1500
120+40	"	142+50	2210
152+50	"	166+50	1400
188+10	"	189+90	180
198+50	"	206+80	830
216+80	"	255+00	3820
Total			17040



Typical Section
Type MB-1 Pav.
Scale 0 1 2 3'



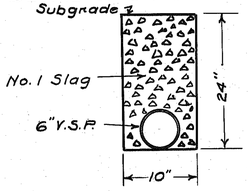
Typical Section
Type C Pav.
To be used Sta. 0+00 to Sta. 255+00

Notes for Type C Pav.:-
Center and Transverse joints to be built according to Std. Dwg. No. 98. or 100.
Dowel and Edge bars to be built and placed according to Std. Dwg. No. 95. and Std. Dwg. No. 96.
Contraction Joints to be placed at 40' intervals with a 1" premoulded Expansion Joint supplanting the contraction joint every 120'. in accordance with spec. at Time of awarding of Contract.
Contraction and Center joints to be filled with Tarvia Plastic XC or a filler of equal quality.
Cost of filler for all joints is provided for in price per sq. yd. of conc. pavement.

Note:- If contract is awarded for Type C Pav., profile grade line will be lowered by the local engineers office. Borrow will be eliminated and 40000 Cu. Yds. of excavation included in estimate for this work. Average haul not to exceed 1500 Lin. Ft. Final cross-sections will be taken at completion of work and contractor will be paid the unit bid price per cu. yd. of excavation computed from the final cross-sections.

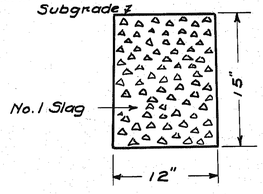
On 59 Drives: approximately 2 Tons of No. 7 slag shall be spread on each drive as directed by the Engr. 130 Tons allowed in estimate for this work.

Detail of 6" V.S.P. French Drain



6" V.S.P. French Drain to be placed at direction of Engr. 5308 Lin. Ft.

Detail of French Drain



French Drain to be placed at the direction of Engineer 4000 Lin. Ft.

All MB or T-17 Types

The Bituminous Surface Course will be built in accordance with Item T-17 using 135 lbs. of No. 34 X limestone per Sq. Yd. and 0.85 Gals. of Bit. Mat. (Sec. 5.13 or 5.7 Sec.) per Sq. Yd. (0.45 Gal. per Sq. Yd. 1st application and 0.40 Gal. per Sq. Yd. 2nd application), or using 110 lbs. of No. 34 X slag per Sq. Yd. and 1.15 Gal. of Bit. Mat. (Sec. 5.6, 5.13 or 5.7) per Sq. Yd. (0.60 Gal. per Sq. Yd. 1st Application and 0.55 Gal. per Sq. Yd. 2nd Application).

The Bituminous seal coat shall be applied in accordance with Item T-16 using 0.25 Gal. of Bituminous Material (Sec. 5.3, 5.12 or 5.7) and 16 lbs. of No. 46 limestone per Sq. Yd., or using 0.30 Gal. of Bituminous Material and 14 lbs. of No. 46 slag per Sq. Yd.

The surface of the new waterbound macadam base shall be surface treated in accordance with Item T-17 (prime coat) with 0.35 Gal. of C.T. (Sec. 5.14) per Sq. Yd.

Note:- Method of payment and measurement for filler course. Actual tonnage of stone and gallonage of Bit. Mat. used, to be Basis of payment, using 2000 lbs. Slag = 1 Cu. Yd., 2400 lbs. Limestone = 1 Cu. Yd.

Notes for All Types of Pav.

Note:- The placing of drives in relocation, shall have the property owners consent. Stationing of drives on plan in relocation is only approximate.

Note:- Where V.S.P. are to be cleaned and relaid, same shall be taken up, cleaned and placed on a line and grade given by the Engr.

Note:- All materials removed from road-way which are not to be used as per contract, shall be piled neatly on right-of-way not more than 300 from the place of removal for the Co. Commrs.

Note:- Where Storm Sewer is specified, all existing drains shall be preserved by use of V.S.P. Y connections. Y connections as specified on summary sheet shall not be placed unless ordered by the Engr.

Note:- All Corrugated Drive Pipe shall have reinforced ends, either rolled or riveted on.

Note:- Inlets shall not be built until road metal is in place.

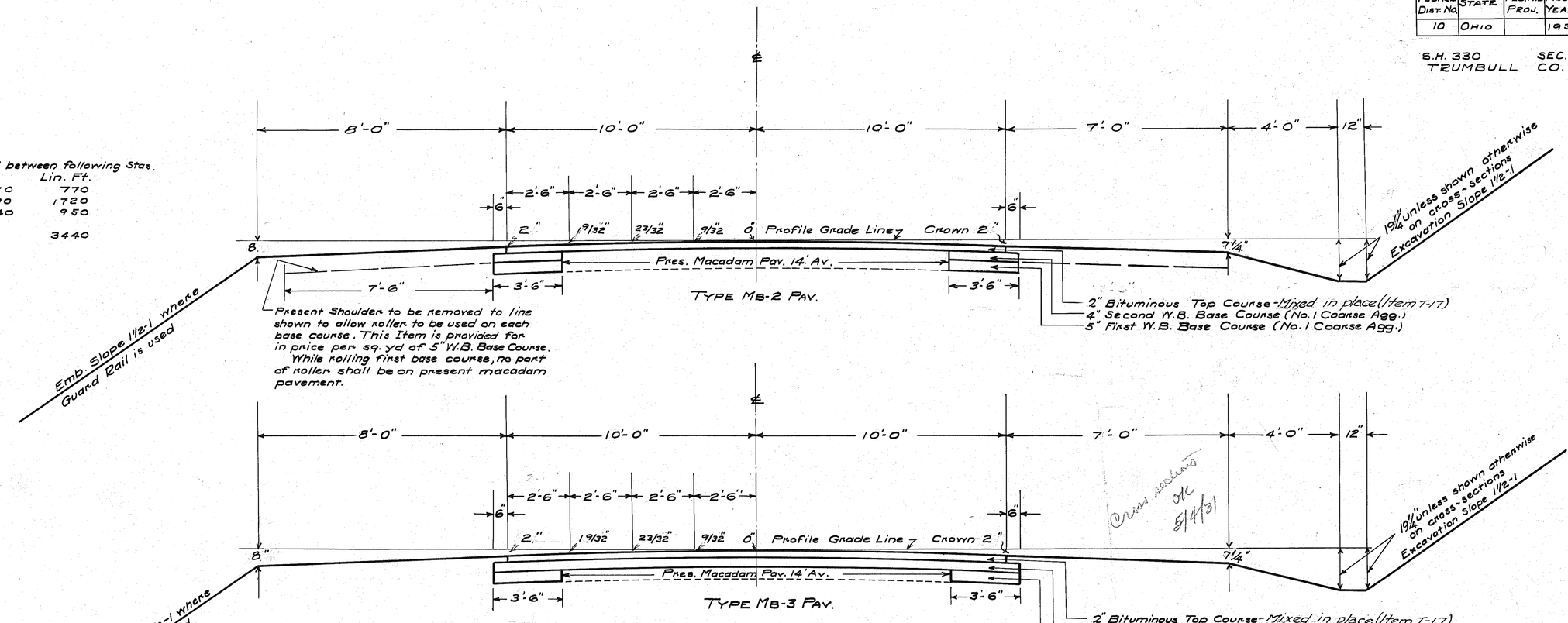
Fed. Rd Dist. No.	State	Fed. Aid Proj.	Fiscal Year
10	Ohio		1930

3 / 54

S.H. 330 SEC. D
TRUMBULL CO.

Type MB-2 Pav. to be used between following Stas.

Sta.	To	Sta.	Lin. Ft.
5+00	"	12+70	770
78+70	"	95+90	1720
110+90	"	120+40	950
Total			3440



TYPE MB-2 PAV.

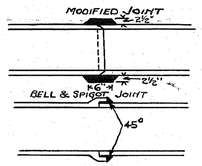
Present Shoulder to be removed to line shown to allow roller to be used on each base course. This Item is provided for in price per sq. yd of 5" W.B. Base Course. While rolling first base course, no part of roller shall be on present macadam pavement.

Cross sections OK 5/4/31

TYPE MB-3 PAV.

Type MB-3 Pav. to be used between following Stas.

Sta.	To	Sta.	Lin. Ft.
142+50	"	152+50	1000
166+50	"	188+10	2160
189+90	"	198+50	860
206+80	"	216+80	1000
Total			5020



Reinf. Conc. Pipe used as an alternate for V.S.P encased shall be cemented as shown in the pertinent accompanying sketch. Where V.S.P is not encased, R.C.P will not be cemented.

SUMMARY WIDTH & DEPTH OF PRES. MAC. PAV.

Lt. Side		Center Line		Rt. Side	
D	W	Sta.	D	W	D
8"	7.0	5+00	9"	7.0'	10"
10"	7.0	10+00	9"	7.0'	10"
9"	7.0	80+00	10"	8.0'	10"
9"	7.5'	85+00	9"	7.0'	9"
10"	7.0	90+00	10"	7.0'	9"
10"	8.0	95+00	10"	7.0'	8"
10"	7.5'	110+00	9"	7.0'	10"
9"	8.0	115+00	9"	7.0'	9"
9"	7.0	120+00	9"	7.5'	10"
7"	8.0	140+00	6"	6.5'	6"
5"	7.0	145+00	6"	7.0'	6"
6"	7.0	150+00	7"	7.5'	5"
6"	6.8	165+00	6"	7.5'	7"
5"	7.0	170+00	7"	7.0'	6"
6"	7.5	175+00	6"	6.5'	5"
6"	7.5	180+00	6"	7.0'	7"
7"	7.0	185+00	6"	7.0'	6"
5"	7.0	190+00	7"	7.0'	5"
6"	7.0	195+00	6"	7.0'	6"
6"	7.5	200+00	6"	7.0'	6"
5"	9.0	205+00	5"	8.0'	6"
6"	7.0	210+00	6"	7.0'	6"
6"	7.0	215+00	6"	7.0'	6"

CURVE CHART

FED RD DIST Nº	STATE	FED AID PROJECT	FISCAL YEAR
10	OHIO		1930

S.H. 330 — SEC. D
TRUMBULL COUNTY

4/54

Sta. 19+87.11
Δ 27°-35' Rt.
D 4°-00
R 1432.39
E 42.40
T 351.61
L 689.58

LEFT Edge of Pav. Elev.	W	CENTER LINE Station	Grade	RIGHT Edge of Pav. W	Elev.
1002.30	10'	15+35.50	1002.47	10'	1002.30
1002.17	"	+50	1002.25	"	1002.08
1001.95	"	+75	1001.88	"	1001.71
1001.72	"	16+00	1001.50	"	1001.33
1001.50	"	+25	1001.13	"	1000.96
1001.40	"	+35.50	1000.97	"	1000.80
1001.28	"	+50	1000.75	"	1000.58
1001.05	"	+75	1000.38	"	1000.21
1000.95	"	+85.50	1000.22	"	1000.05
1000.73	"	17+00	1000.00	"	999.83
1000.38	"	+25	999.65	"	999.48
1000.08	"	+50	999.35	"	999.18
999.84	"	+75	999.11	"	998.94
999.64	"	18+00	998.91	"	998.74
999.50	"	+25	998.77	"	998.60
999.41	"	+50	998.68	"	998.51
999.37	"	+75	998.64	"	998.47
999.38	"	19+00	998.65	"	998.48
999.44	"	+25	998.71	"	998.54
999.56	"	+50	998.83	"	998.66
999.72	"	+75	998.99	"	998.82
999.94	"	20+00	999.21	"	999.04
1000.21	"	+25	999.48	"	999.31
1000.53	"	+50	999.80	"	999.63
1000.90	"	+75	1000.17	"	1000.00
1001.38	"	21+00	1000.60	"	1000.43
1001.78	"	+25	1001.05	"	1000.88
1002.23	"	+50	1001.50	"	1001.33
1002.68	"	+75	1001.95	"	1001.78
1003.13	"	22+00	1002.40	"	1002.23
1003.55	"	+25	1002.82	"	1002.65
1003.89	"	+50	1003.16	"	1002.99
1004.17	"	+75.08	1003.44	"	1003.27
1004.23	"	23+00	1003.65	"	1003.48
1004.22	"	+25.08	1003.79	"	1003.62
1004.14	"	+50	1003.86	"	1003.69
1004.00	"	+75	1003.87	"	1003.70
1003.78	"	24+00	1003.80	"	1003.63
1003.50	10'	+25.08	1003.67	10'	1003.50

Sta. 36+10.57
Δ 26°-11' Lt.
D 4°-00'
R 1432.39'
E 38.22'
T 333.12
L 654.58

LEFT Edge of Pav. Elev.	W	CENTER LINE Grade	Station	RIGHT Edge of Pav. W	Elev.
987.12	10'	987.29	31+77.45	10'	987.12
986.93	"	987.10	32+00	"	987.07
986.78	"	986.95	+25	"	987.07
986.70	"	986.87	+50	"	987.14
986.67	"	986.84	+75	"	987.26
986.68	"	986.85	+77.45	"	987.28
986.70	"	986.87	33+00	"	987.44
986.80	"	986.97	+25	"	987.69
986.81	"	986.98	+27.45	"	987.71
986.95	"	987.12	+50	"	987.85
987.16	"	987.33	+75	"	988.06
987.43	"	987.60	34+00	"	988.33
987.73	"	987.90	+25	"	988.63
988.08	"	988.20	+50	"	988.93
988.38	"	988.50	+75	"	989.28
988.63	"	988.80	35+00	"	989.53
988.93	"	989.10	+25	"	989.83
989.23	"	989.40	+50	"	990.13
989.53	"	989.70	+75	"	990.43
989.83	"	990.00	36+00	"	990.73
990.13	"	990.30	+25	"	991.03
990.43	"	990.60	+50	"	991.33
990.73	"	990.90	+75	"	991.63
991.03	"	991.20	37+00	"	991.93
991.33	"	991.50	+25	"	992.23
991.63	"	991.80	+50	"	992.53
991.93	"	992.10	+75	"	992.83
992.23	"	992.40	38+00	"	993.13
992.53	"	992.70	+25	"	993.43
992.83	"	993.00	+50	"	993.73
993.13	"	993.30	+75	"	994.03
993.21	"	993.38	+82.03	"	994.11
993.43	"	993.60	39+00	"	994.22
993.73	"	993.90	+25	"	994.37
993.81	"	993.98	+32.03	"	994.41
994.03	"	994.20	+50	"	994.52
994.33	"	994.50	+75	"	994.67
994.63	"	994.80	40+00	"	994.82
994.91	"	995.08	+25	"	994.95
994.98	10'	995.15	+32.03	10'	994.98

Sta. 104+33.77
Δ 53°-08' Lt.
D 4°-00
R 1432.39
E 169.10
T 716.25
L 1328.33

LEFT Edge of Pav. Elev.	W	CENTER LINE Grade	Station	RIGHT Edge of Pav. W	Elev.
965.90	10'	966.07	95+87.52	10'	965.90
965.78	"	965.95	96+00	"	965.86
965.49	"	965.66	+25	"	965.72
965.13	"	965.30	+50	"	965.51
964.73	"	964.90	+75	"	965.26
964.53	"	964.70	+87.52	"	965.13
964.33	"	964.50	97+00	"	965.01
963.93	"	964.10	+25	"	964.76
963.73	"	963.90	+37.52	"	964.63
963.53	"	963.70	+50	"	964.43
963.13	"	963.30	+75	"	964.03
962.73	"	962.90	98+00	"	963.63
962.33	"	962.50	+25	"	963.23
961.93	"	962.10	+50	"	962.83
961.58	"	961.70	+75	"	962.49
961.13	"	961.30	99+00	"	962.03
960.73	"	960.90	+25	"	961.63
960.33	"	960.50	+50	"	961.23
959.93	"	960.10	+75	"	960.83
959.53	"	959.70	100+00	"	960.43
959.13	"	959.30	+25	"	960.03
958.73	"	958.90	+50	"	959.63
958.33	"	958.50	+75	"	959.23
957.93	"	958.10	101+00	"	958.83
957.53	"	957.70	+25	"	958.43
957.13	"	957.30	+50	"	958.03
956.75	"	956.92	+75	"	957.64
956.43	"	956.60	102+00	"	957.33
956.15	"	956.32	+25	"	957.05
955.93	"	956.10	+50	"	956.83
955.75	"	955.92	+75	"	956.65
955.63	"	955.80	103+00	"	956.53
955.55	"	955.72	+25	"	956.45
955.53	"	955.70	+50	"	956.43
955.53	"	955.70	+75	"	956.43
955.53	"	955.70	104+00	"	956.43
955.53	"	955.70	+25	"	956.43
955.53	"	955.70	+50	"	956.43
955.53	"	955.70	+75	"	956.43
955.53	"	955.70	105+00	"	956.43
955.53	"	955.70	+25	"	956.43
955.53	"	955.70	+50	"	956.43
955.53	"	955.70	+75	"	956.43
955.53	"	955.70	106+00	"	956.43
955.53	"	955.70	+25	"	956.43
955.53	"	955.70	+50	"	956.43
955.53	"	955.70	+75	"	956.43
955.53	"	955.70	107+00	"	956.43
955.53	"	955.70	+25	"	956.43
955.53	"	955.70	+50	"	956.43
955.53	"	955.70	+75	"	956.43
955.53	"	955.70	108+00	"	956.43
955.53	"	955.70	+25	"	956.43
955.53	"	955.70	+50	"	956.43
955.55	"	955.72	+75	"	956.45
955.60	"	955.77	109+00	"	956.50
955.70	"	955.87	+25	"	956.60
955.83	"	956.00	+50	"	956.73
955.93	"	956.10	+65.85	"	956.83
955.98	"	956.15	+75	"	956.83
956.13	"	956.30	110+00	"	956.83
956.23	"	956.40	+15.85	"	956.83
956.28	"	956.45	+25	"	956.83
956.43	"	956.60	+50	"	956.83
956.58	"	956.75	+75	"	956.83
956.73	"	956.90	111+00	"	956.83
956.83	10'	957.00	+15.85	10'	956.83

Sta. 131+26.69
Δ 46°-43'-30" Rt.
D 2°-30'
R 2291.83
E 204.68
T 989.99
L 1869.00

LEFT Edge of Pav. Elev.	W	CENTER LINE Station	Grade	RIGHT Edge of Pav. W	Elev.
961.41	10'	120+36.65	961.58	10'	961.41
961.37	"	+50	961.48	"	961.31
961.26	"	+75	961.26	"	961.09
961.11	"	121+00	961.00	"	960.83
960.93	"	+25	960.71	"	960.54
960.83	"	+36.65	960.56	"	960.39
960.71	"	+50	960.38	"	960.21
960.45	"	+75	960.01	"	959.84
960.32	"	+86.65	959.83	"	959.66
960.09	"	122+00	959.60	"	959.43
959.67	"	+25	959.18	"	959.01
959.24	"	+50	958.75	"	958.58
958.82	"	+75	958.33	"	958.16
958.34	"	123+00	957.90	"	957.68
958.12	"	+25	957.48	"	957.31
957.54	"	+50	957.05	"	956.88
957.12	"	+75	956.63	"	956.46
956.69	"	124+00	956.20	"	956.03
956.27	"	+25	955.78	"	955.61
955.84	"	+50	955.35	"	955.18
955.42	"	+75	954.93	"	954.76
954.99	"	125+00	954.50	"	954.33
954.57	"	+25	954.08	"	953.91
954.14	"	+50	953.65	"	953.48
953.72	"	+75	953.23	"	953.06
953.29	"	126+00	952.80	"	952.63
952.89	"	+25	952.40	"	952.23
952.53	"	+50	952.04	"	951.87
952.22	"	+75	951.73	"	951.56
951.96	"	127+00	951.47	"	951.30
951.75	"	+25	951.26	"	951.09
951.58	"	+50	951.09	"	950.92
951.46	"	+75	950.97	"	950.80
951.39	"	128+00	950.90	"	950.73
951.34	"	+25	950.85	"	950.68
951.29	"	+50	950.80	"	950.63
951.24	"	+75	950.75	"	950.58
951.19	"	129+00	950.70	"	950.53
951.14	"	+25	950.65	"	950.48
951.09	"	+50	950.60	"	950.43
951.04	"	+75	950.55	"	950.38
950.99	"	130+00	950.50	"	950.33
950.94	"	+25	950.45	"	950.28
950.89	"	+50	950.40	"	950.23
950.84	"	+75	950.35	"	950.18
950.79	"	131+00	950.30	"	950.13
950.76	"	+25	950.27	"	950.10
950.76	"	+50	950.27	"	950.10
950.81	"	+75	950.32	"	950.15
950.89	"	132+00	950.40	"	950.23
951.01	"	+25	950.52	"	950.35
951.16	"	+50	950.67	"	950.50
951.36	"	+75	950.87	"	950.70
951.59	"	133+00	951.10	"	950.93
951.86	"	+25	951.37	"	951.20
952.16	"	+50	951.67	"	951.50
952.51	"	+75	952.02	"	951.85
952.89	"	134+00	952.40	"	952.23
953.28	"	+25	952.79	"	952.62
953.63	"	+50	953.14	"	952.97
953.96	"	+75	953.47	"	953.30
954.26	"	135+00	953.77	"	953.60
954.53	"	+25	954.04	"	953.87
954.77	"	+50	954.28	"	954.11
954.98	"	+75	954.49	"	954.32
955.16	"	136+00	954.67	"	954.50
955.31	"	+25	954.82	"	954.65
955.48	"	+50	954.94	"	954.77
955.53	"	+75	955.04	"	954.87
955.59	"	137+00	955.10	"	954.93
955.64	"	+25	955.15	"	954.98
955.69	"	+50	955.20	"	955.03
955.74	"	+75	955.25	"	955.08
955.79	"	138+00	955.30	"	955.13
955.84	"	+25	955.35	"	955.18
955.89	"	+50	955.40	"	955.23
955.94	"	+75	955.45	"	955.28
955.99	"	139+00	955.50	"	955.33
956.04	"	+25	955.55	"	955.38
956.09	"	+50	955.60	"	955.43
956.07	"	+55.65	955.61	"	955.44
955.99	"	+75	955.65	"	955.48
956.05	"	140+00	955.89	"	955.72
956.12	"	+05.65	955.99	"	955.82
956.65	"	+25	956.50	"	956.48
957.28	"	+50	957.30	"	957.28
	"	+75		"	
	"	141+00		"	
		+05.65		10'	
	10'				

Sta. 159+93.86
Δ 49°-19'-30" Lt.
D 4°-00
R 1432.39
E 143.78
T 657.70
L 1233.12

LEFT Edge of Pav. Elev.	W	CENTER LINE Grade	Station	RIGHT Edge of Pav. W	Elev.
	10'			10'	
948.00	"	948.17	152+36.16	"	948.00
947.83	"	948.00	+50	"	947.91
947.58	"	947.70	+75	"	947.76
947.23	"	947.40	153+00	"	947.61
946.93	"	947.10	+25	"	947.46
946.80	"	946.97	+36.16	"	947.40
946.63	"	946.80	+50	"	947.31
946.33	"	946.50	+75	"	947.16
946.20	"	946.37	+86.16	"	947.10
946.03	"	946.20	154+00	"	946.93
945.73	"	945.90	+25	"	946.63
945.43	"	945.60	+50	"	946.33
945.17	"	945.34	+75	"	946.07
945.00	"	945.17	155+00	"	945.90
944.91	"	945.08	+25	"	945.81
944.90	"	945.07	+50	"	945.80
944.98	"	945.15	+75	"	945.88
945.15	"	945.32	156+00	"	946.05
945.40	"	945.57	+25	"	946.30
945.73	"	945.90	+50	"	946.63
946.10	"	946.27	+75	"	947.00
946.48	"	946.65	157+00	"	947.38
946.85	"	947.02	+25	"	947.75
947.23	"	947.40	+50	"	948.13
947.60	"	947.77	+75	"	948.50
947.98	"	948.15	158+00	"	948.88
948.35	"	948.52	+25	"	949.25
948.73	"	948.90	+50	"	949.63
949.10	"	949.27	+75	"	950.00
949.48	"	949.65	159+00	"	950.38
949.85	"	950.02	+25	"	950.75
950.23	"	950.40	+50	"	951.13
950.60	"	950.77	+75	"	951.50
950.98	"	951.15	160+00	"	951.88
951.35	"	951.52	+25	"	952.25
951.73	"	951.90	+50	"	952.63
952.10	"	952.27	+75	"	953.00
952.48	"	952.65	161+00	"	953.38
952.83	"	953.00	+25	"	953.73
953.14	"	953.31	+50	"	954.04
953.41	"	953.58	+75	"	954.31
953.63	"	953.80	162+00	"	954.53
953.81	"	953.98	+25	"	954.71
953.94	"	954.11	+50	"	954.84
954.03	"	954.20	+75	"	954.93
954.08	"	954.25	163+00	"	954.98
954.08	"	954.25	+25	"	954.98
954.04	"	954.21	+50	"	954.94
953.96	"	954.13	+75	"	954.86
953.83	"	954.00	164+00	"	954.73
953.68	"	953.85	+25	"	954.58
953.53	"	953.70	+50	"	954.43
953.38	"	953.55	+75	"	954.28
953.23	"	953.40	165+00	"	954.13
953.11	"	953.28	+19.28	"	954.01
953.08	"	953.25	+25	"	953.94
952.93	"	953.10	+50	"	953.64
952.81	"	952.98	+69.28	"	953.41
952.78	"	952.95	+75	"	953.34
952.63	"	952.80	166+00	"	953.04
952.58	"	952.75	+25	"	952.84
952.43	"	952.60	+50	"	952.54
952.31	10'	952.48	+69.28	10'	952.31

Sta 204+21.80
Δ 12°-53' Rt
D 4°-00
R 1432.39
E 9.17
T 162.33
L 323.33

LEFT Edge of Pav. Elev.	W	CENTER LINE Grade	Station	RIGHT Edge of Pav. W	Elev.
937.09	10'	201+59.47	937.26	10'	937.09
937.12	"	+75	937.20	"	937.03
937.17	"	202+00	937.10	"	936.93
937.22	"	+25	937.00	"	936.83
937.27	"	+50	936.90	"	936.73
937.29	"	+59.47	936.86	"	936.69
937.32	"	+75	936.80	"	936.63
937.37	"	203+00	936.70	"	936.53
937.39	"	+09.47	936.66	"	936.49
937.33	"	+25	936.60	"	936.43
937.23	"	+50	936.50	"	936.33
937.13	"	+75	936.40	"	936.23
937.03	"	204+00	936.30	"	936.13
937.18	"	+25	936.40	"	936.23
937.23	"	+50	936.50	"	936.33
937.33	"	+75	936.60	"	936.43
937.43	"	205+00	936.70	"	936.53
937.58	"	+25	936.80	"	936.63
937.56	"	+32.80	936.83	"	936.66
937.53	"	+50	936.90	"	936.73
937.48	"	+75	937.00	"	936.83
937.46	"	+82.80	937.03	"	936.86
937.43	"	206+00	937.10	"	936.93
937.38	"	+25	937.20	"	937.03
937.33	"	+50	937.30	"	937.13
937.28	"	+75	937.40	"	937.23
937.26	10'	+82.80	937.43	10'	937.26

CURVE CHART

Fed Rd Dist. No	State	Fed Aid Project	Fiscal Year
10	OHIO		1930

(5/54)

S.H. 330 TRUMBULL — Sec. D COUNTY

Left Edge of Pav. Elev.	W	Center Line Station	Grade	Right Edge of Pav. W	Elev.
934.70	10'	216+82.14	934.87	10'	934.70
934.75	"	217+00	934.80	"	934.63
934.81	"	+25	934.70	"	934.53
934.87	"	+50	934.60	"	934.43
934.93	"	+75	934.50	"	934.33
934.94	"	+82.14	934.47	"	934.30
934.99	"	218+00	934.40	"	934.23
935.05	"	+25	934.30	"	934.18
935.06	"	+32.14	934.27	"	934.10
934.99	"	+50	934.20	"	934.03
934.89	"	+75	934.10	"	933.93
934.79	"	219+00	934.00	"	933.83
934.69	"	+25	933.90	"	933.73
934.59	"	+50	933.80	"	933.63
934.49	"	+75	933.70	"	933.53
934.39	"	220+00	933.60	"	933.43
934.27	"	+25	933.48	"	933.31
934.14	"	+50	933.35	"	933.18
934.02	"	+75	933.23	"	933.06
933.89	"	221+00	933.10	"	932.93
933.77	"	+25	932.98	"	932.81
933.64	"	+50	932.85	"	932.68
933.52	"	+75	932.73	"	932.56
933.39	"	222+00	932.60	"	932.43
933.27	"	+25	932.48	"	932.31
933.14	"	+50	932.35	"	932.18
933.02	"	+75	932.23	"	932.06
932.89	"	223+00	932.10	"	931.93
932.77	"	+25	931.98	"	931.81
932.64	"	+50	931.85	"	931.68
932.52	"	+75	931.73	"	931.56
932.39	"	224+00	931.60	"	931.43
932.27	"	+25	931.48	"	931.31
932.14	"	+50	931.35	"	931.18
932.02	"	+75	931.23	"	931.06
931.89	"	225+00	931.10	"	930.93
931.77	"	+25	930.98	"	930.81
931.64	"	+50	930.85	"	930.68
931.52	"	+75	930.73	"	930.56
931.39	"	226+00	930.60	"	930.43
931.27	"	+25	930.48	"	930.31
931.14	"	+50	930.35	"	930.18
931.02	"	+75	930.23	"	930.06
930.89	"	227+00	930.10	"	929.93
930.77	"	+25	929.98	"	929.81
930.64	"	+50	929.85	"	929.68
930.52	"	+75	929.73	"	929.56
930.39	"	228+00	929.60	"	929.43
930.27	"	+25	929.48	"	929.31
930.14	"	+50	929.35	"	929.18
930.02	"	+75	929.23	"	929.06
929.89	"	229+00	929.10	"	928.93
929.77	"	+25	928.98	"	928.81
929.64	"	+50	928.85	"	928.68
929.52	"	+75	928.73	"	928.56
929.39	"	230+00	928.60	"	928.43
929.27	"	+25	928.48	"	928.31
929.14	"	+50	928.35	"	928.18
929.02	"	+75	928.23	"	928.06
928.89	"	231+00	928.10	"	927.98
928.77	"	+25	927.98	"	927.81
928.64	"	+50	927.85	"	927.68
928.52	"	+75	927.73	"	927.56
928.39	"	232+00	927.60	"	927.43
928.27	"	+25	927.48	"	927.31
928.14	"	+50	927.35	"	927.18
928.02	"	+75	927.23	"	927.06
927.89	"	233+00	927.10	"	926.93
927.77	"	+25	926.98	"	926.81
927.64	"	+50	926.85	"	926.68
927.52	"	+75	926.73	"	926.56
927.39	"	234+00	926.60	"	926.43
927.27	"	+25	926.48	"	926.31
927.14	"	+50	926.35	"	926.18
927.02	"	+75	926.23	"	926.06
926.89	"	235+00	926.10	"	925.93
926.77	"	+25.32	925.97	"	925.81
926.48	"	+50	925.85	"	925.68
926.19	"	+75.32	925.72	"	925.56
925.91	"	236+00	925.60	"	925.43
925.64	"	+25	925.49	"	925.32
925.40	"	+50	925.41	"	925.24
925.19	10'	+75.32	925.36	10'	925.19

Fed. Rd. Dist. No.	State	Fed. Aid Proj.	Fiscal Year
10	Ohio		1930

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S. H. 330 Trumbull — Sec. D County

0+01 to 4+99 Lt.
Place 12"X 498' V.S.P
Bld. Std. No. 1 C.B.I. Sta. 0+00
Bld. Std. S.D.I. Sta. 2+98

5+01 to 9+99 Lt.
Place 12" X 498' V.S.P
Bld. Std. No. 1 C.B.I. Sta. 5+00
Bld. Std. S.D. Inlet Sta. 8+00

10+01 to 14+99 Lt.
Place 15"X 498' V.S.P
Bld. Std. No. 1 C.B.I. Sta. 10+00

15+01, to 18+62 Lt.
Place 15"X 361' V.S.P
Bld. No. 2 C.B.I. Sta. 15+00

18+40 to 18+80 Lt.
Bld. 40' Type D Guard Rail.

18+90 Drive Lt.
Place 12"X 24' Corr. P

22+20 to 29+38 Lt.
Place 718 Lin. Ft. 6" V.S.P French Drain.

Chas. F. & Clara Cook +72
Sam R. Nesbitt

Sam R. Nesbitt
Mary A. Brown +96

23+06 Drive Lt.
Remove, Clean & Relay
10"X 16' C.I.P

Mary A. Brown
Mary Cosma +24

Mary A. Brown
Sam & Mary Cosma +40

26+69 Drive Lt.
Remove Clean & Relay
10'X 16' C.I.P

N.Y.C.R.R. Co.

Sam & Mary Cosma +44

K. & D. Divjak +44

N. 72° 35' E.

3+08 Drive Lt.
Remove 12"X 16' Corr. P
Enc. 12"X 16' V.S.P

Hail +00
P.O.T.

Hail +00
P.O.T.

17+67 Drive Rt.
Remove 12"X 16' Corr. P
Enc. 12"X 16' V.S.P

J. C. Bascom
Sam R. Nesbitt
P.C. 16+35.50

Sta. 19+87.11
Δ 27° 35' Rt.
D 4° 00'
R 1432.39'
E 42.40'
T 351.61'
L 689.58'
See Curve Chart Sheet No. 4
No Extra Pav.

Sam E. Nesbitt
Mary A. Brown +04

P.T. 23+25.08

23+60 Drive Rt.
Remove, Clean, & Relay
10"X 16' C.I.P

Hail +00
P.O.T.

Mary A. Brown +88

N. 45° 00' E.

0+00 Beg. of Proj.

+62 Chas. F. & Clara Cook
J. C. Bascom

+86

(1) Sta. 18+64
Remove old 4'X 3'X 22.5 Conc. Box.
Bld. Std. 5'X 4'X 47 Conc. Box.
Std. Drwg. B C-A.
Clean Chan. 600 Rt. 40 Cu. Yds.

18+44 to 18+84 Rt.
Bld. 40' Type D Guard Rail.

38' 64' 38'
25.6' 20' 20' 25.6'

Sta. 29+84 Underpass R.R. Bridge
Plan of Extra Mb-1 Pav. 64 Sq. Yds.

(2) Sta. 29+39
Remove 85 Lin. Ft. old 12", 18", & 24" V.S.P
Clean & Relay, 18"X 30' V.S.P
Place 24"X 78' V.S.P
Bld. Std. No. 1 C.B.I's. Lt. & Rt.
Enc. 24"X 52' V.S.P. between Inlets.
Std. Drwg. 300.

N.Y.C.R.R. Co.
Low Grade
Mary A. Brown +44

(3) Sta. 29+84
Under Pass R.R. Bridge
Old Clearance 12'-
New Clearance 14'
No work.
Roadway 26'-4"

0+00 to 5+00
Bld. 500 Lin. Ft. Type Mb-1 Pav.
0+01 to 4+99 Rt.
Place 12"X 498' V.S.P
Bld. Std. No. 1 C.B.I. Sta. 0+00
Bld. Std. S.D.I. Sta. 2+98

Sta. 0+40
B.M. El. 1005.45
+ Silo Found. Lt.

5+00 to 12+70
Bld. 770 Lin. Ft. Type Mb-2 Pav.

Sta. 6+95
B.M. El. 1006.12
Maple Rt.

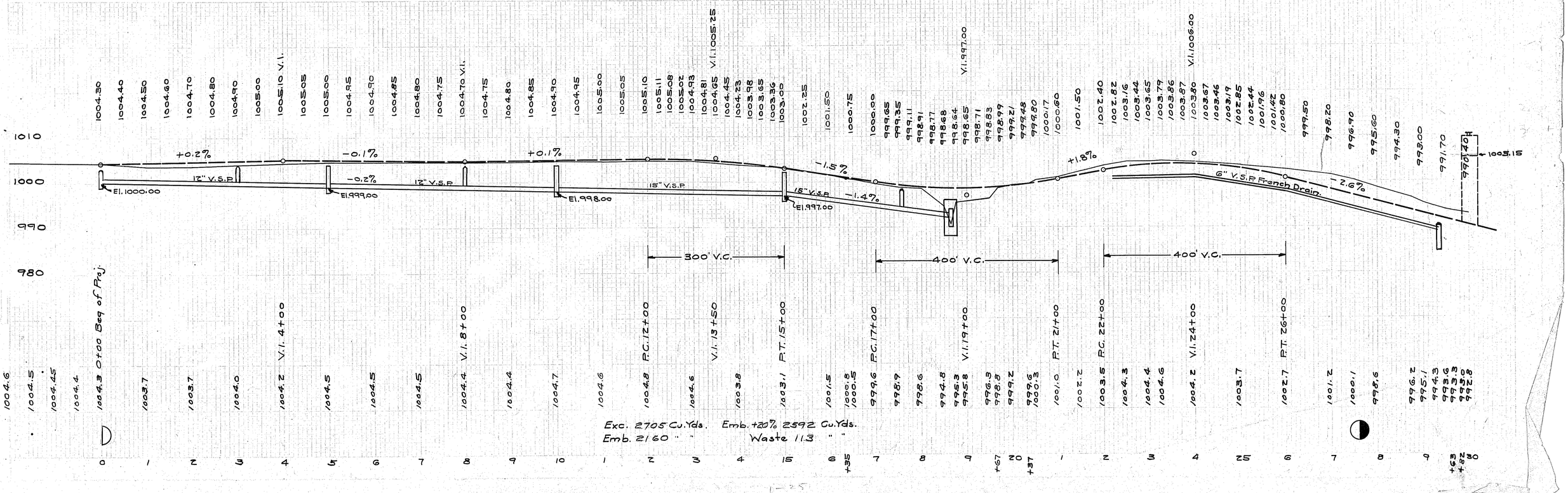
5+01 to 9+99 Rt.
Place 12"X 498' V.S.P
Bld. Std. No. 1 C.B.I. Sta. 5+00
Bld. Std. S.D. Inlet Sta. 8+00

10+01 to 14+99 Rt.
Place 15"X 498' V.S.P
Bld. Std. No. 1. C.B.I. Sta. 10+00

Sta. 17+60
B.M. El. 998.17
Stump Lt.

15+01 to 18+62 Rt.
Place 15"X 361' V.S.P
Bld. Std. No. 2 C.B.I. Sta. 15+00
Bld. Std. S.D.I. Sta. 17+57

Sta. 26+80
B.M. El. 1003.49
Maple Lt.



Fed. Rd. Dist. No.	State	Fed. Aid Proj.	Fiscal Year
10	Ohio		1930

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S. H. 330 Trumbull — Sec. D. County.

39+64 Drive Lt. Place 12"X16' Corr. P

34+52 to 35+72 Lt. Bld. 120' Type D Guard Rail.

36+28 to 38+68 Lt. Bld. 240' Type D Guard Rail.

34+47 Drive Lt. Place 12"X32' Corr. P

N. 72° 35' E.

P.C. 32+77.45

Sta. 36+10.57
Δ 26° 11' Lt.
D 4° 00'
R 1432.39'
E 38.22'
T 333.12'
L 654.58'
See Curve Chart Sheet No. 4
No Extra Pav.

31+73 Drive Rt. Remove, Clean & relay 10"X14' Corr. P

SUGAR CREEK BRIDGE

P.T. 39+32.03

42+00

47+30 to 48+50 Lt. Bld. 120' Type D Guard Rail.

Rail Rot. +00

47+50

48+60

Bld. Std. 15"X 39" V.S.P. with No. 1 C.B.I. Rt. & Std. HW. Lt. Std. Drwg. 300.

Rot. +00

53+00 Drive Lt. Place 12"X16' Corr. P

54+20 to 57+80 Lt. Place 360' of 6" V.S.P French Drain.

Kelly & Dann Divjak +20

Alton & Mary Dabr

Thomas K. Horn N. 64° 08' E. 783.54'

Thomas K. Horn N. 62° 16' E. 783.54'

57+00 Drive Lt. Place 12"X16' Corr. P

Sta. 67+18.36
Δ 12° 03' Rt.
D 0° 30'
R 11459.16
E 63.72'
T 1209.48'
L 2410.00
No Extra Pav.
No Super-elevation.

+53 Mary A. Brown K. & D. Divjak

39+54 Drive Rt. Place 12"X16' Corr. P

42+89 Drive Rt. Place 12"X16' Corr. P

Sta. 36+00 BRIDGE

18' — 49' — 18'

20' — 29' — 20'

Deduct 85 Lin Ft. Type MB-1 Pav.

(4) Proposal No. 2 Sta. 35+57.5 to 36+42.5
Sta. 36+00 Conc. Beam Bridge.
Bld. Std. 45°X30° Conc. Beam Bridge.
Std. Drwgs. B.45-2430 & T.A.B.
See Sheets 49, 50, 51 & 52 for Details

(5) Sta. 47+90
Repoint & Repair 3.5'x4.5'x 57' old Stone and Conc. Box. 41 Sq. Yds.
Ext. with Std. 5'X4'X 18' Conc. Box Rt.
Std. Drwg. B.C.A.

(6) Sta. 50+80 Lt.
Bld. Std. 15"X 39" V.S.P. with No. 1 C.B.I. Rt. & Std. HW. Lt.
Std. Drwg. 300.

Kelly & Dann Divjak +20 (see sht 5)
Alton & Mary Dabr

P.C. 55+08.88

Thomas K. Horn N. 62° 16' E. 783.54'

Thomas K. Horn N. 64° 08' E. 783.54'

Alton & Mary Dabr +33

Sta. 35+65
B.M. El. 980.73
+ N.W. Wing Wall Br.

34+52 to 35+72 Rt. Bld. 120' Type D Guard Rail.

36+28 to 38+60 Rt. Bld. 232' Type D Guard Rail.

38+70 to 44+20 Rt. Place 550' of 6" V.S.P. French Drain.

Sta. 40+35
B.M. El. 1001.80
Apple Rt.

47+30 to 48+50 Rt. Bld. 120' Type D Guard Rail.

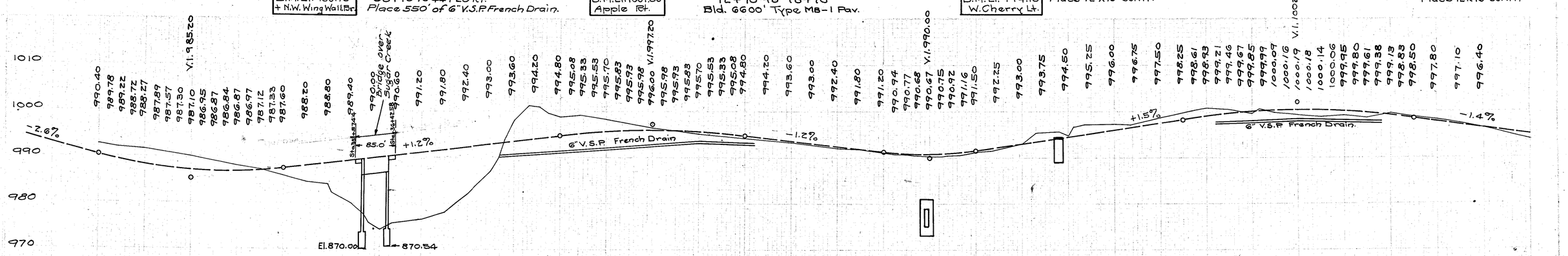
12+70 to 78+70 Bld. 6600' Type MB-1 Pav.

Sta. 49+30
B.M. El. 994.10
W. Cherry Lt.

51+00 Drive Rt. Place 12"X16' Corr. P

54+20 to 57+80 Rt. Place 360' of 6" V.S.P French Drain.

57+00 Drive Rt. Place 12"X16' Corr. P



Exc. 3791 Cu. Yds. Emb. +20% 3700 Cu. Yds.
Emb. 3083 " " Waste 97 " "

Exc. 5804 Cu. Yds. Emb. +20% 5835 Cu. Yds.
Emb. 4863 " " Borrow 34 " "

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S. H. 330 TRUMBULL — Sec. D County.

60+00 Drive Lt.
Place 12"X16' Corr. P

66+00 Drive Lt.
Place 12"X16' Corr. P

Simeon Standley N 4°-21E+93 Chas. F. Logan.

Δ 90°-00'
R 60.00'
E 24.90'
T 60.00'
L 94.24'

76+06 Drive Lt.
Remove Clean & Relay 12"X12' C.I.P.

Sta. 70+00

Sta. 70+00 Lt. Intersection.
Plan of Extra MB-1 Pav. 388 Sq.Yds.

Floor El. 978.2
Ground El. 976.1.

+88 N. 65°-50' E. Simeon Standley
The 1621 East 78th St Co.

Hub P.O.C. +00

Hub P.O.C. +00

Hub P.O.C. +00

The 1621 E. 78th St Co.

74+31 Drive Rt.
Remove, Clean & Relay 12"X14' Corr. P

80+60 Drive Rt.
Remove, Clean & Relay 18"X16' C.I.P.

Sta. 81+05
Clean & Relay 24"X28' old C.I.P.
Ext. with Std. 24" V.S.P. 12' Lt.
Bld. Std. 24" V.S.P. H.Ws. Lt. & Rt.
Std. Drwg. 300
Clean Chan. 200 Lt. 10 Cu.Yds.

P.T. 79+18.88

The 1621 East 78th St. Co.

Sta. 85+44
Clean, 20"X28' old C.I. & V.S.P.
Ext. with Std. 20" V.S.P. 4' Rt. & 7' Lt.
Bld. Std. 24" V.S.P. H.W. Lt.
Bld. Std. S. Rd. H.W. Rt.
Std. Drwg. 300
18" V.S.P. 120 lin. Ft.
Bld 1 Std. 26' H.W. Lt.

85+00 Drive Lt.
Remove, Clean & Relay 16"X14' C.I.P.

Rail P.O.T. +05

89+37 to 90+01 Lt.
Place 12"X64' V.S.P.

89+29 Drive Lt.
Remove, Clean & Relay 15"X16' C.I.P.

N. 58°-27' E.

89+30 Drive Rt.
Enc. 12"X24' V.S.P.

3" Title No work

84+28 Drive Rt.
Remove, Clean & Relay 14"X16' C.I.P.

John M. Straw
40 Acres
Halbert H. Haynes

+01 Haynes South Rd. Lt. 253'
N 15°-09' E

86+03 to 87+37 Rt.
Place 12"X134' V.S.P.
Bld. Std. No. 2 C.B.I. Sta. 86+02

89+17 to 92+61 Rt.
Place 12"X344' V.S.P.
Bld. Std. No. 2 C.B.I. Sta. 89+16

82+50 to 84+20 Rt.
Place 6" V.S.P. French Drain 170 lin. ft.

78+70 to 95+90
Bld. 1720 Lin. Ft. MB-2 Pav.

87+45 to 89+15 Rt.
Place 170' of 6" V.S.P. French Drain.

Sta. 87+38
Clean, 18"X30" old C.I.P.
Ext. with Std. 18" V.S.P. 4' Lt. & 4' Rt.
Std. Drwg. 300
Bld. Std. 18" V.S.P. H.W. Lt.
Bld. Std. No. 2 C.B.I. Rt.
Clean Chan. Lt. 5 Cu.Yds.

+93 JOHNSTON TWP. — VERNON TWP

Sta. 67+18.36
12°-03' Rt.
0°-30'
63.72'
1209.48'
2410.00
No Extra Pav.
No Superelevation

Sta. 69+90
Bld. Std. V.S.P. Culvert as shown
Std. Drwg. 300

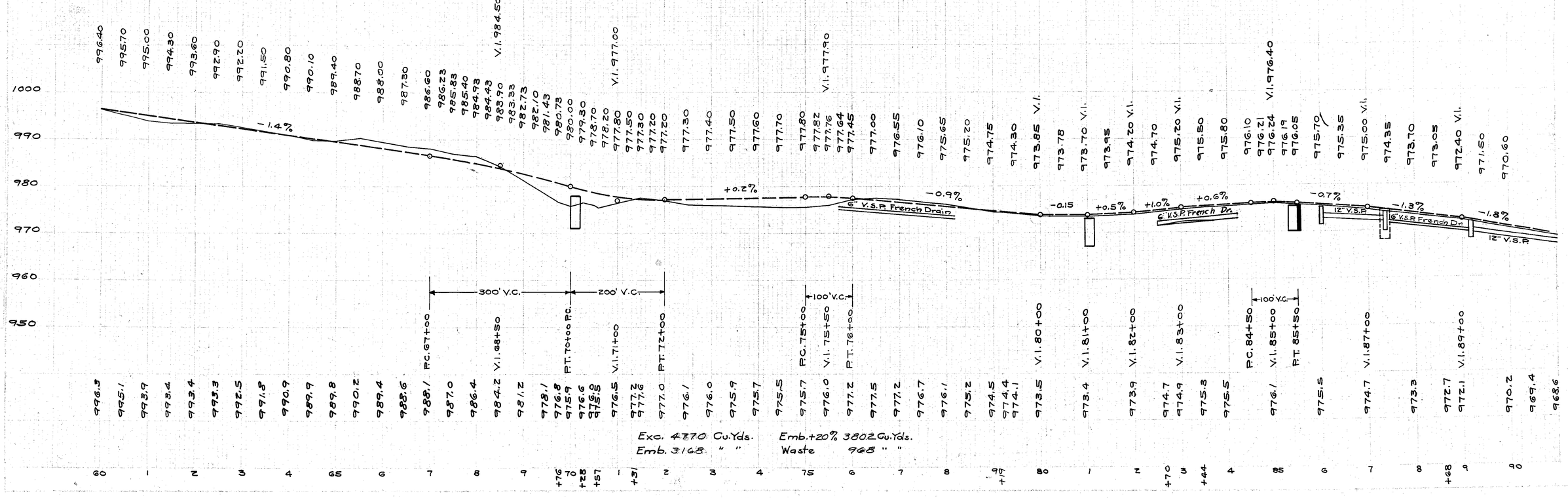
Sta. 72+00
B.M. El. 981.67
Maple Rt.

69+60 to 70+24 Rt.
Bld. 64' Type D Guard Rail.

75+70 to 78+20 Rt.
Place 250' of 6" V.S.P. French Drain.

Sta. 84+75
B.M. El. 975.08
Maple Lt.

60+00 Drive Rt.
Place 12"X16" Corr. P



Exc. 4770 Cu.Yds. Emb. +20% 3802 Cu.Yds.
Emb. 3168 " " Waste 968 " "

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S. H. 330 Trumbull — Sec. D County

116+50 to 120+00 Lt.
Place 350' of 6" V.S.P French Drain

Sta. 104+00 Lt. 160'
Change Channel as shown
Channel bottom width 20'. Slopes 1½ to 1
1700 Cu. Yds. Excavation is provided in Estimate for this work.
Channel Excavation to be distributed in old channel as directed by the Engr.
Cross-sections will be taken on new channel before work is started and after completion of same. Yardage will be computed from said cross-sections and contractor paid the unit bid price for yardage removed.

(11) Sta. 93+05
Clean and Relay old 18"X33" C.I.P.
Ext. with Std. 18" V.S.P. 9' Lt.
Bld. Std. 18" V.S.P. H.Ws. Lt. & Rt.
Std. Drwg. 300
Clean Chan. 300 Lt. 10 Cu. Yds.

(12) Sta. 104+92
Clean & Relay old 24"X33" V.S.P.
Ext. with Std. 24"X12' V.S.P. Lt.
Bld. Std. 24" V.S.P. H.Ws. Lt. & Rt.
Std. Drwg. No. 300
Clean Chan. 400' Lt. 30 Cu. Yds.

(13) Sta. 110+28
Clean old 18"X30" C.I.P.
Ext. with Std. 18" V.S.P. 5' Lt. & Rt.
Bld. Std. 18" V.S.P. H.Ws. Lt. & Rt.
Std. Drwg. No. 300
Clean Chan. 400 Lt. 30 Cu. Yds.

94+16 Drive Rt.
Remove Clean & Relay 12"X16' C.I.P.

94+32 Drive Rt.
Remove, Clean & Relay 12"X16' Corr. P.

Sta. 104+33.77
Δ 53° 08' Lt.
D 4° 00'
R 1432.39'
E 169.10'
T 716.25'
L 1328.33'
See Curve Grade Sht. Sheet No. 4
No Ext. of Pav.

104+72 to 105+12 Lt.
Bld. 40' Type D Guard Rail.

94+40 to 96+90 Rt.
Place 250' of 6" V.S.P French Drain.

96+92 to 100+30 Rt.
Place 12" X 338' V.S.P.
Bld. Std. No. 2 C.B.I. Sta. 96+91
Bld. Std. Side Ditch Inlet Sta. 100+07

Sta. 95+25
B.M. El. 967.73
Maple Lt.

95+90 to 110+90
Bld. 1500 Lin. Ft. MB-1 Pav.

100+17 Drive Rt.
Enc. 12"X16' V.S.P.
Remove 16"X16' C.I.P.

102+44 Drive Rt.
Remove 14"X14' C.I.P.
Place 18"X16' Corr. P.

Sta. 102+30
B.M. El. 957.06
Maple Rt.

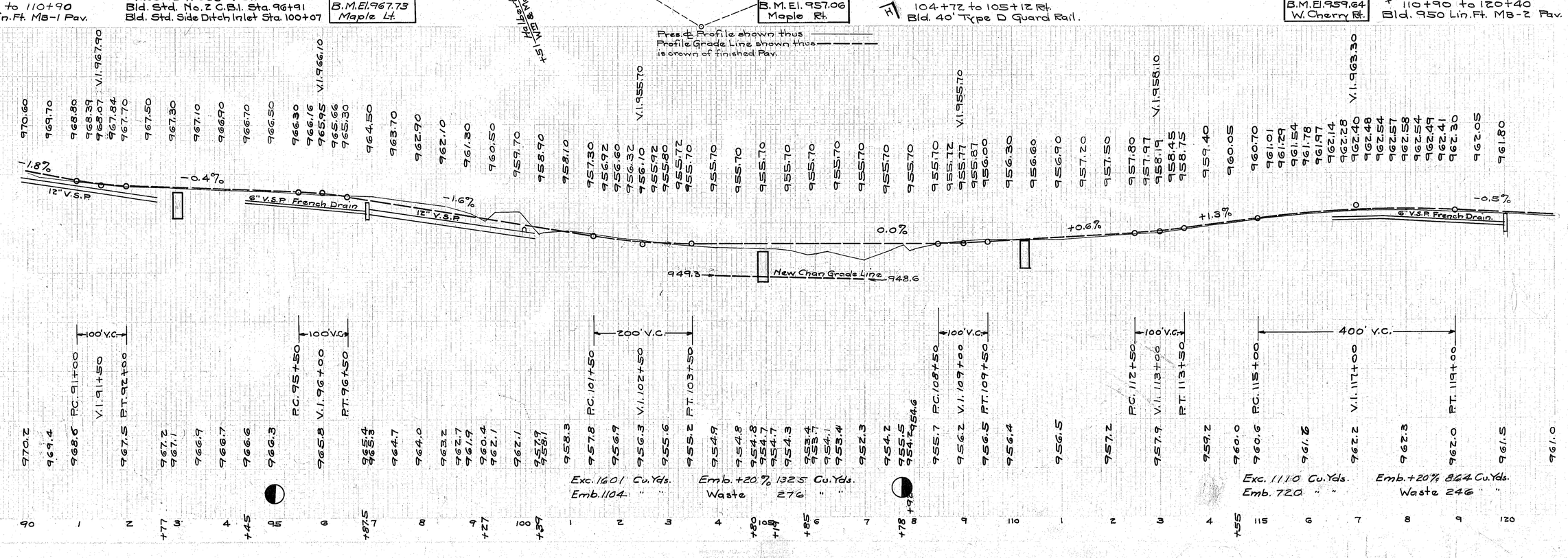
107+42 Drive Rt.
Remove, Clean & Relay 14"X16' C.I.P.

104+72 to 105+12 Rt.
Bld. 40' Type D Guard Rail.

Sta. 113+70
B.M. El. 959.64
W. Cherry Rt.

110+90 to 120+40
Bld. 950 Lin. Ft. MB-2 Pav.

Pres. & Profile shown thus ———
Profile Grade Line shown thus — — — —
is crown of finished Pav.



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S.H. 330
TRUMBULL

SEC. D
COUNTY

134+60 to 136+80 Lt.
Place 12"X220' V.S.P.
Bld. Std. Side Ditch Inlet. Sta. 135+80

135+68 Drive Lt.
Enc. 12"X16' V.S.P.
Remove 12"X16' C.I.P.

132+10 to 134+02 Lt.
Bld. 192' Type D Guard Rail.

134+07 Drive Lt.
Remove, Clean & Relay 16"X14' C.I.P.

124+60 Drive Lt.
Remove Clean & Relay 14"X14' C.I.P.

123+34 Drive Lt.
Remove, Clean & Relay 14"X15' C.I.P.

133+65 to 134+05 Rt.
Bld. 40' Type D Guard Rail.

135+01 Drive Rt.
Remove Clean & Relay 16"X16' C.I.P.

135+71 Drive Rt.
Remove, Clean & Relay 16"X16' C.I.P.

146+05 to 147+81 Lt.
Bld. 176' Type D Guard Rail.

147+90 to 150+90 Lt.
Place 300' of 6" V.S.P. French Drain

144+80 Drive Rt.
Enc. 12"X16' V.S.P.
Remove 18"X12' C.I.P.

142+10 to 148+52 Rt.
Place 12"X640' V.S.P.
Bld. Std. No. 2 C.B.I.s: 144+70, 148+53

148+54 to 149+14 Rt.
Place & Encase 15"X60' V.S.P.

149+14 to 153+28 Rt.
Place 15"X414' V.S.P.

120+20 to 123+28 Lt.
Place 12"X326' V.S.P.
Bld. No. 2. C.B.I. Sta. 120+01

123+98 Drive Rt.
Enc. 12"X16' V.S.P.
Remove 16"X16' C.I.P.

Sta. 131+26.64
Δ 46°-43'-30" Rt.
D 2° 30'
R 2291.83'
E 204.68'
T 989.99'
L 1869.00
See Curve Chart. Sheet No. 4
No Extra. Pav.

(14) Sta. 133+83
Remove old 3'X2'X40' Conc. Box
Bld. Std. 3'X3' Conc. Box. Length 50'
New Box to be Located to fit Channel Lt.
Std. Drwg. B C-4
Clean Chan. 200 Lt. 15 Cu. Yds.

(15) Sta. 140+19
Clean old 12"X48" V.S.P.
Ext. with Std. 12" V.S.P. & 14° Rt.
Bld. Std. H.W.s Lt. & Rt.
Std. Drwg. 300

(16) Sta. 140+89
Clean old 12"X45' V.S.P.
Ext. with Std. 12" V.S.P. 15° Lt. & 15° Rt.
Bld. Std. 12" V.S.P. H.W.s. Lt. & Rt.
Std. Drwg. 300

120+70 to 126+60 Rt.
Place 12"X586' V.S.P.
Bld. Std. No. 2 C.B.I.s. 122+45, 123+90

Sta. 125+35
B.M. El. 954.35
Oak Lt.

120+40 to 142+50
Bld. 2210 Lin. Ft. MB-1 Pav.

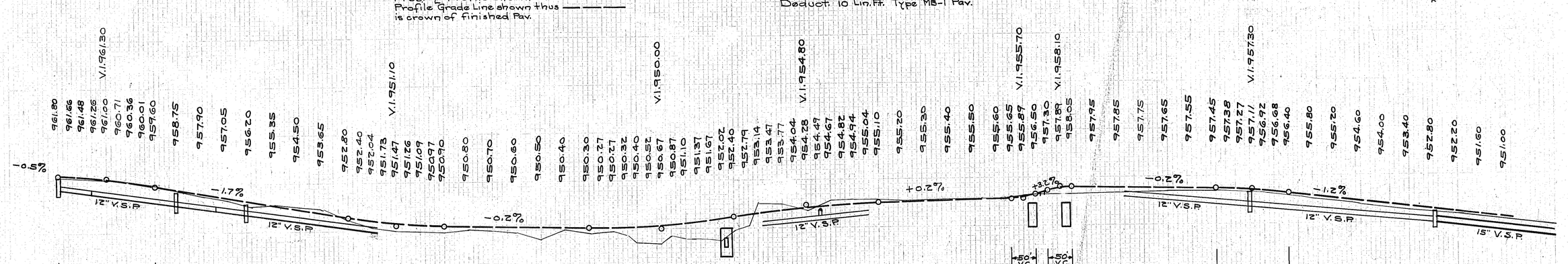
Sta. 136+80
B.M. El. 957.92
Maple Lt.

Sta. 140+40 R.R. Crossing
Plan of Extra Pav. 133 Sq. Yds. Type MB-1
Deduct 10 Lin. Ft. Type MB-1 Pav.

142+50 to 152+50
Bld. 1000 Lin. Ft. MB-3 Pav.

Sta. 144+90
B.M. El. 958.16
Maple Rt.

Pres. ⏚ Profile shown thus ———
Profile Grade Line shown thus — — —
is crown of finished Pav.



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(11/54)

S.H. 330 TRUMBULL — SEC. D COUNTY.

(17) Sta. 156+60 Bridge
Present Conc. Slab 14' span to be removed, broken up, & placed as Rip-Rap at all wings. Bld. Std. Conc. Slab Bridge. Std. Drwg. S.B. 2430.
S = 16°. Rc = 30
Old waterway = 14' X 7'. New waterway = 16' X 7.5'
For Detail see sheet No. 47.

H S 22° 02' 30" E

Hail P.O.T. +00

155+00 to 160+00
Change Channel as shown
Channel bottom width 20' Slopes 1½ to 1
& new channel to be 140' from ℄ Pav.
Exc. 1691 Cu. Yds.
See Sheets 40 & 41 for Cross-sections
Channel Excav. to be distributed in old channel as directed by the Engr.

P.C. 153+36.16

155+75 to 156+47 Rt.
Bld. 72' Type D Guard Rail.

156+73 to 157+05 Rt.
Bld. 32' Type D Guard Rail.

153+83 Drive Rt.
Remove, Clean & Relay 20" X 14' C.I.P.

Sugar Creek

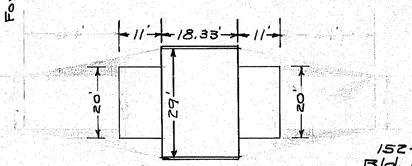
155+75 to 156+47 Lt.
Bld. 72' Type D Guard Rail.

156+73 to 158+89 Lt.
Bld. 216' Type D Guard Rail

℄ New Channel

Hail P.O.T. +00

O.C. Emhoff
Thos. Gauffield +10



Sta. 156+60 Bridge
Deduct 40.33 Lin. Ft. MB-1 Pav.

157+13 Drive Rt.
Remove, Clean & Relay 18" X 16' C.I.P.

152+50 to 166+50
Bld. 1400 Lin. Ft. MB-1 Pav.

Sta. 156+45
B.M. El. 945.55
+ Curb. S.W. Cor. Br.

158+88 Drive Rt.
Remove, Clean & Relay 16" X 16' C.I.P.

158+00 500 cu. yds borrow Pt.
Placed at Direction of Eng.

160+92 Drive Rt.
Remove, Clean & Relay 16" X 15' C.I.P.

Sta. 157+15 Drive Lt.
Remove, Clean, & Relay 18" X 14' C.I.P. at Sta. 158+97 Lt.

(18)

Sta. 159+93.86
Δ 49° 19' 30" Lt.
D 4° 00'
T 657.70'
L 1233.12'
See Curve Chart: Sheet No. 4
No Extra Pav.

Sta. 163+06
Clean old 18" X 28" C.I.P.
Ext. with Std. 18" V.S.P. 21 Rt. & 8 Lt.
Bld. Std. 18" V.S.P. H.W. Rt.
Std. Drwg. 300

164+70 Drive Lt.
No work

(19)

Sta. 171+25
Clean old 18" X 28" C.I.P.
Ext. with Std. 18" V.S.P. 6 Lt. & 6 Rt.
Std. Drwg. 300
Clean Channel 700' Lt. 35 Cu. Yds.

166+00 to 167+00 Lt.
Place 12" X 100' V.S.P.

167+36 Drive Lt.
Remove, Clean & Relay 12" X 14' C.I.P.

P.T. 165+69.28

Hail +00 P.O.T.

Thos. Gauffield
Claude C. Simons +55

O.C. Emhoff
Thos. Gauffield +10

167+37 Drive Rt.
Remove, Clean & Relay 14" X 10' C.I.P.

Sta. 164+42
B.M. El. 955.03
Stump Lt.

170+43 Drive Rt.
Remove, Clean & Relay 16" X 14' C.I.P.

Thos. Gauffield
Rettie & Davis Lees +55

VERNON TWP
KINSMAN TWP

H N. 88° 01' W.

+11

171+87 Drive Rt.
Remove, Clean & Relay 14" X 16' C.I.P.

Rettie & Davis Lees
Claude C. Simons +91

175+62 Drive Lt.
Remove, Clean & Relay 16" X 14' C.I.P.
Place 15" X 16' Corr. P.

178+82 to 179+02 Lt.
Place 18" X 20' V.S.P.

177+46 Drive Lt.
Remove 14" X 14' C.I.P.
Place 18" X 30' Corr. P.

Hail P.O.T. +00

N. 72° 43' E.

Sta. 175+50
B.M. El. 949.02
Elm Lt.

166+50 to 188+10
Bld. 2160 Lin. Ft. MB-3 Pav

Pres. ℄ Profile shown thus. ——
Profile Grade Line shown thus — — —
is crown of finished Pav.



V.I. 200'
V.C. 300'

951.00 950.40 949.80 949.20 948.60 948.00 947.40 946.80 946.20 945.60 945.84 945.17 945.08 945.07 V.I. 944.40 945.15 945.32 945.57 945.90 946.65 947.40 948.15 948.90 949.65 950.40 951.15 951.90 952.65 953.00 953.31 953.58 953.80 953.98 954.11 V.I. 954.90 954.20 954.25 954.25 954.21 954.13 954.00 953.70 953.40 953.10 952.80 952.50 952.20 951.90 951.60 951.30 951.00 950.70 950.40 950.10 949.80 949.50 V.I. 949.44 949.38 949.32 949.26 949.20 V.I. 948.85 948.50 948.15 947.80 947.45 947.10 946.75 946.40 V.I. 946.30 946.20 946.10 946.00

P.C. 154+50 V.I. 155+50 P.T. 156+50 P.C. 161+00 V.I. 162+50 P.T. 164+00 V.I. 171+50 V.I. 174+00 V.I. 178+00

750.4 749.2 748.1 946.8 946.0 945.4 945.1 944.9 944.4 942.7 940.3 940.6 939.70 945.5 944.3 941.7 940.6 942.6 947.5 951.2 950.6 952.1 952.6 952.6 951.8 952.6 953.7 953.8 952.6 952.5 953.2 953.4 953.1 952.7 952.2 951.6 950.9 950.3 949.7 949.0 948.7 948.8 948.7 948.5 948.0 947.3 946.5 946.0 945.7 945.4 945.2

Exc. 2096 Cu. Yds.
Emb. 1692 " "
Emb. 120% 2030 Cu. Yds.
Waste 66 " "

150 1 2 3 4 155 6 +45 +70 +97 +128 8 +66 9 160 1 2 3 4 165 6 7 8 9 170 1 2 3 +43 4 175 6 7 8 9 180

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S. H. 330 Trumbull — Sec. D County

238+10 to 240+26 Lt.
Bld. 216' Type D Guard Rail.

240+56 to 243+12 Lt.
Bld. 256' Type D Guard Rail.

246+83
Ivan C. & Mary E. Fisher
S. 61° - 27' - 30" E. 24.09 Pres Ref. W.
Lynn J. Way

Hub + 05.37 P.O.T.

251+27 to 254+39 Lt.
Place 12"X 312' V.S.P.

251+52 Drive Lt.
Remove 10"X14' C.I.P.
Enc. 12"X 16' V.S.P.

Hub + 22.20 P.O.T.

255+00 End of Proj.
S. H. 330-D
255+00 End of Sec. D S.H.330

S.H.13
60' N. 13° 19'-30" E.

* Sign Post.

33.77

30.17

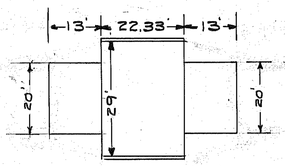
5.85° 00'-30" E.

240 — 245 — 250

252+21 Drive Rt.
Remove, Clean & Relay 14"X 16' C.I.P.

238+10 to 240+26 Rt.
Bld. 216' Type D Guard Rail.

240+56 to 243+12 Rt.
Bld. 256' Type D Guard Rail.



Sta. 240+41 Bridge

Deduct 48.33 Lin. Ft. Type MB-1 Pav.

(25) Sta. 240+41 Bridge
Bld. Std. Conc. Slab Bridge
S=20° Rdwy=30' Std. Drwg. S.B.2430
Water-way 20'X9.75'
For Detail see sheet 48

Sta. 246+05
B.M. El. 932.12
Maple Rt.

(26) Sta. 254+81
Remove 8"X 28.5' old C.I.P.
Remove 10"X 15.5' old C.I.P.
Bld. Std. Culvs. as shown, Std. Drwg. 300
For detail see Sheet No. 46

Sta. 254+70
B.M. El. 927.04
Maple Lt.

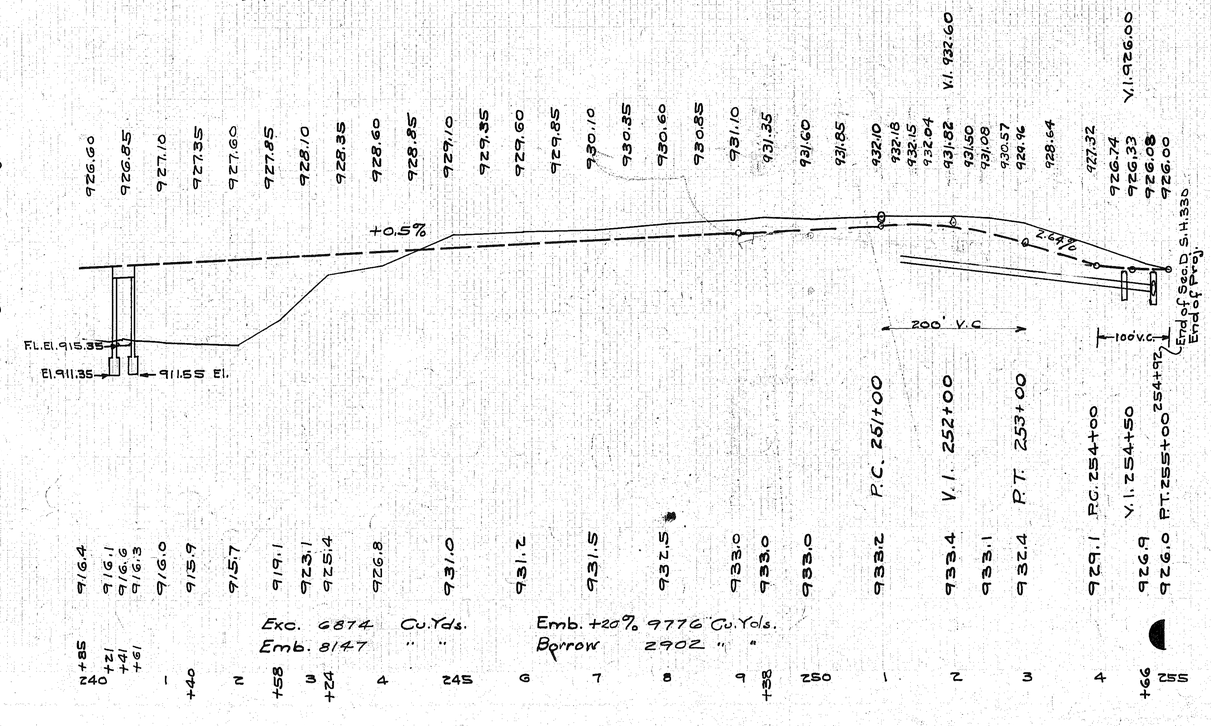
△ 81°-40
R 76.00'
E 24.45'
T 65.68'
L 108.33'
Extra Pav. 97 Sq Yds.

△ 97°-42'
R 56.00'
E 29.10'
T 64.08'
L 95.49'
Extra Pav. 102 Sq. Yds.

16'
12'-10"
Sta. 255+00
Deduct 8 lin ft M-1

249+10 to 254+92 Rt.
Widen pav. 2' on Rt. Extra pav. 129 sq. yds. from Bld 530 lin. ft. 6"x 28" Con Curb 1-5½ mix. 249+10 to 254+40

Pres. & Profile shown thus. ——
Profile Grade Line shown thus. – – –
is crown of finished Pav

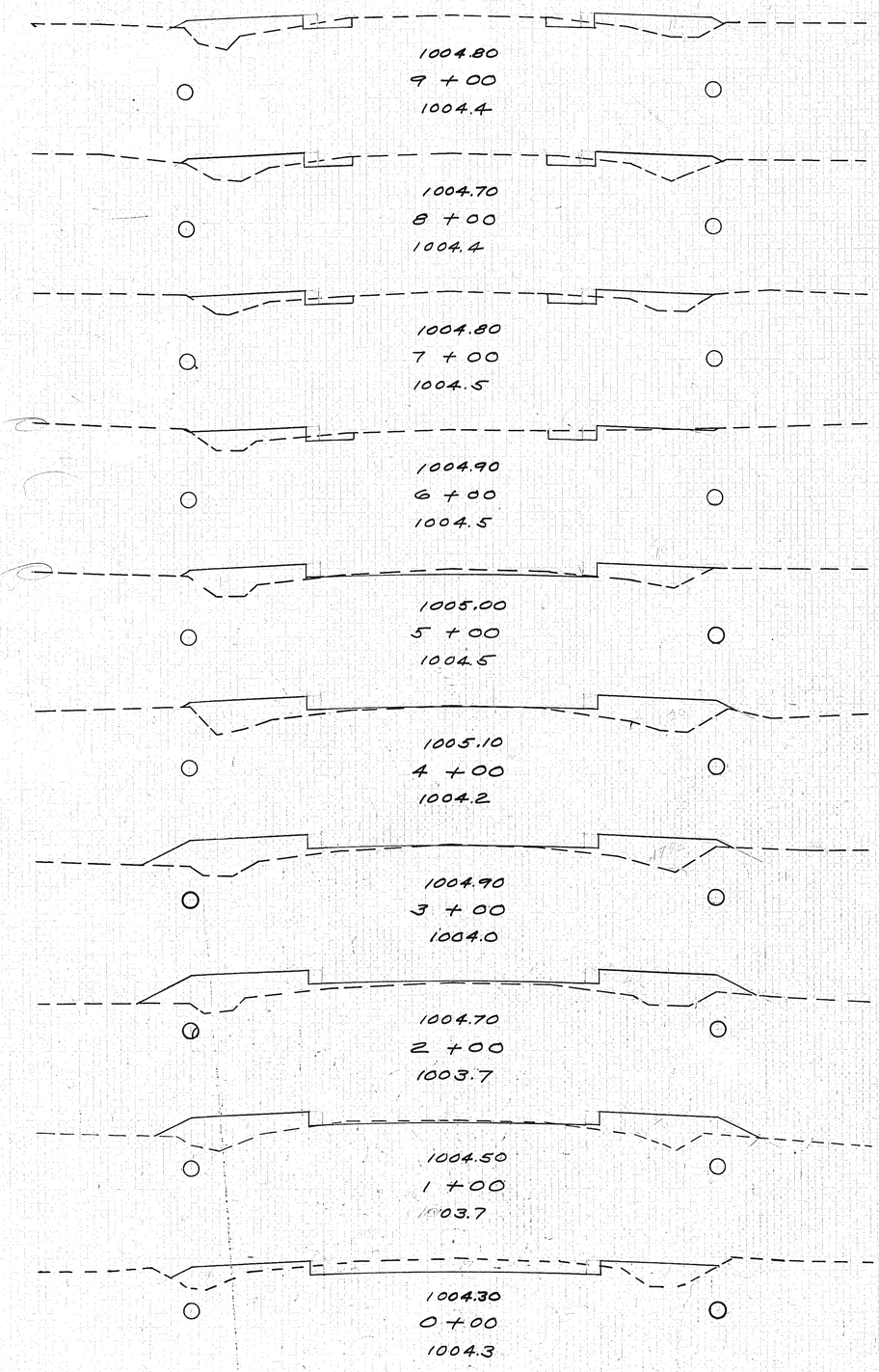


Exc. 6874 Cu. Yds. Emb. +20% 9776 Cu. Yds.
Emb. 8147 " " Borrow 2902 " "

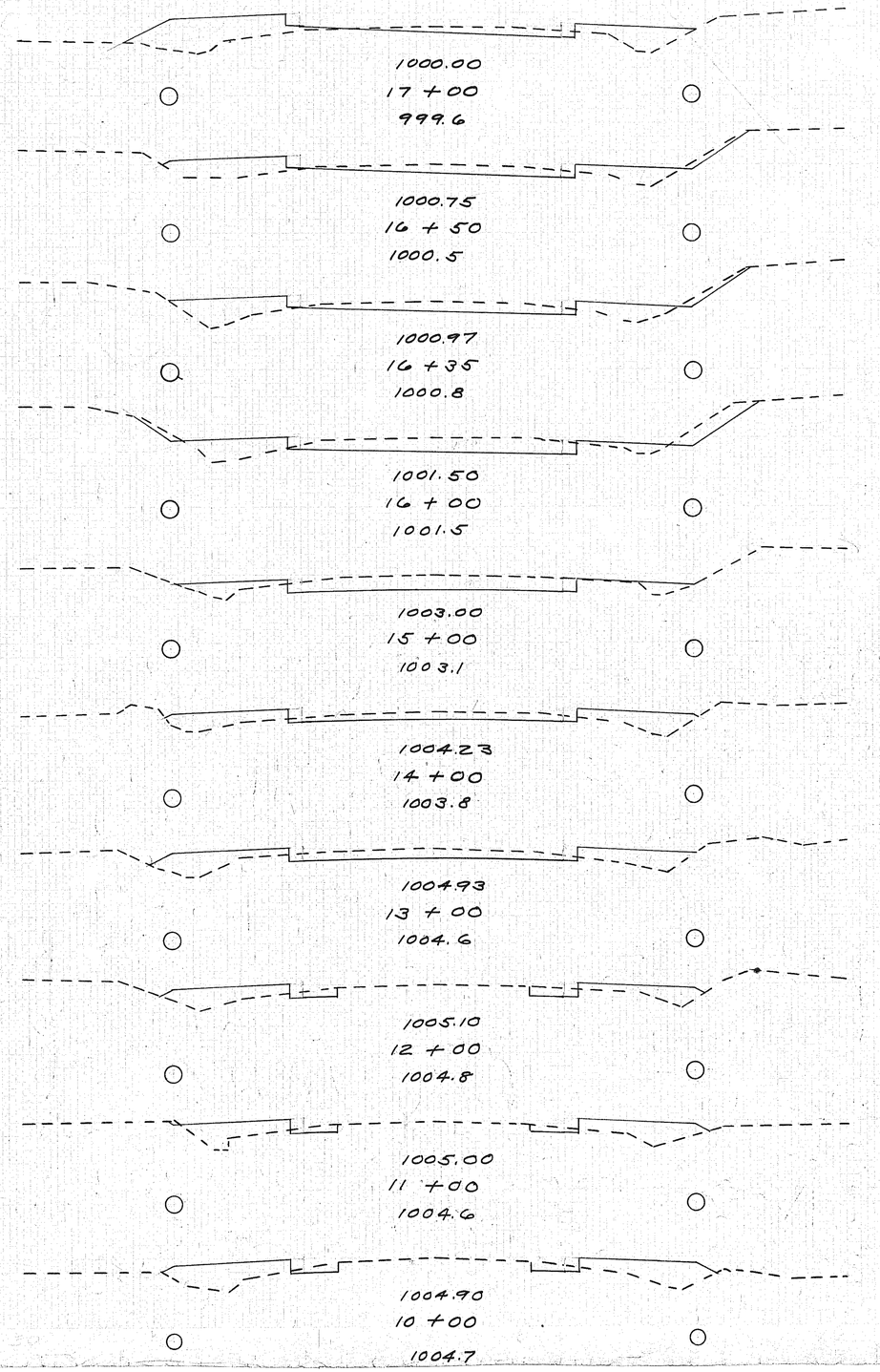
FED. RD. DIST. NO.	STATE	FED. AID PROJ.	FISCAL YEAR
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(15/54)

S.H. 330 SEC. D
TRUMBULL CO.



	End Area Exc	End Area Emb	Cu Yds Exc	Cu Yds Emb
	4	23		
			15	80
	4	20		
			15	65
	4	15		
			15	49
	4	9		
			17	57
	5	22		
			11	106
	1	35		
			4	139
	1	40		
			2	159
	0	46		
			4	198
	2	34		
			33	96
	16	18		



	End Area Exc	End Area Emb	Cu Yds Exc	Cu Yds Emb
	7	29		
			18	44
	12	18		
			7	10
	14	19		
			26	20
	26	12		
			89	37
	22	8		
			61	98
	11	18		
			46	70
	14	20		
			33	69
	4	17		
			13	70
	3	21		
			13	87
	4	26		
			16	91

Fed. Rd. Dist. No.	State	Fed. Aid Proj.	Fiscal Year
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S.H. 330 SEC. D
TRUMBULL CO.

	End Area Exc	End Area Emb	Cu Yds Exc	Cu Yds Emb
999.64 20+37 999.6	32	7		
			42	21
999.21 20+00 999.2	30	24		
			25	40
998.94 19+67 998.8	11	41		
			4	41
998.83 19+50 996.3	3	90		
			4	165
998.65 19+00 995.8	1	88		
			1	83
998.64 18+75 995.3	0	91		
			0	53
998.67 18+59 994.1	0	88		
			0	29
998.68 18+50 994.8	0	88		
			6	107
998.91 18+00 998.6	6	27		
			7	56
999.35 17+50 998.9	2	38		
			8	57
1002.85 25+00 1003.7	0			
1003.80 24+00 1004.2	0			
1003.79 23+25 1004.6	0			
1003.65 23+00 1004.4	0			
1003.16 22+50 1004.3	0			
1002.40 22+00 1003.5				
1001.50 21+50 1002.2				
1000.60 21+00 1001.0				
999.80 20+50 1000.3				

	End Area Exc	End Area Emb	Cu Yds Exc	Cu Yds Emb
	67	1		
			204	11
	43	5		
			126	12
	48	4		
			42	4
	43	5		
			83	12
	47	8		
			102	7
	63	0		
			109	0
	55	0		
			86	4
	38	4		
			64	12
	31	9		
			15	4

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Fed. Rd. Dist. No.	State	Fed. Aid Proj.	Fiscal Year	17 / 54
10	OHIO		1930	

S.H. 330 SEC. D
TRUMBULL CO.

990.87
29 + 82
993.0

991.36
29 + 63
993.3

991.70
29 + 50
993.6

992.35
0 29 + 25
994.3

993.00
6 29 + 00
995.1

993.65
0 28 + 75
996.2

995.60
0 28 + 00
998.6

27+60

996.90
0 27 + 50
1000.1

998.20
0 27 + 00
1001.2

1000.8
0 26 + 00
1002.7

End Area Exc	End Area Emb	Cu Yds Exc	Cu Yds Emb
91	0		
		68	0
103	0		
		66	0
169	0		
		147	1
148	1		
		147	1
169	0		
		168	0
193	0		
		539	0
195	0		
		357	0
191	0		
		339	0
175	0		
		565	0
130	0		
		365	2

Exc. 2705 Cu Yds Emb. + 20% Waste 2342 Cu Yds
Emb. 2160 Cu Yds 1.13

984.7
987.12
33 + 50
987.2
984.7

985.0
986.87
33 + 00
988.1
985.0

985.14
986.84
32 + 77
988.6
985.14

987.10
32 + 00
990.0

988.27
31 + 00
991.5

988.72
30 + 75
991.8

989.33
30 + 41
992.0

989.83
30 + 22
992.3

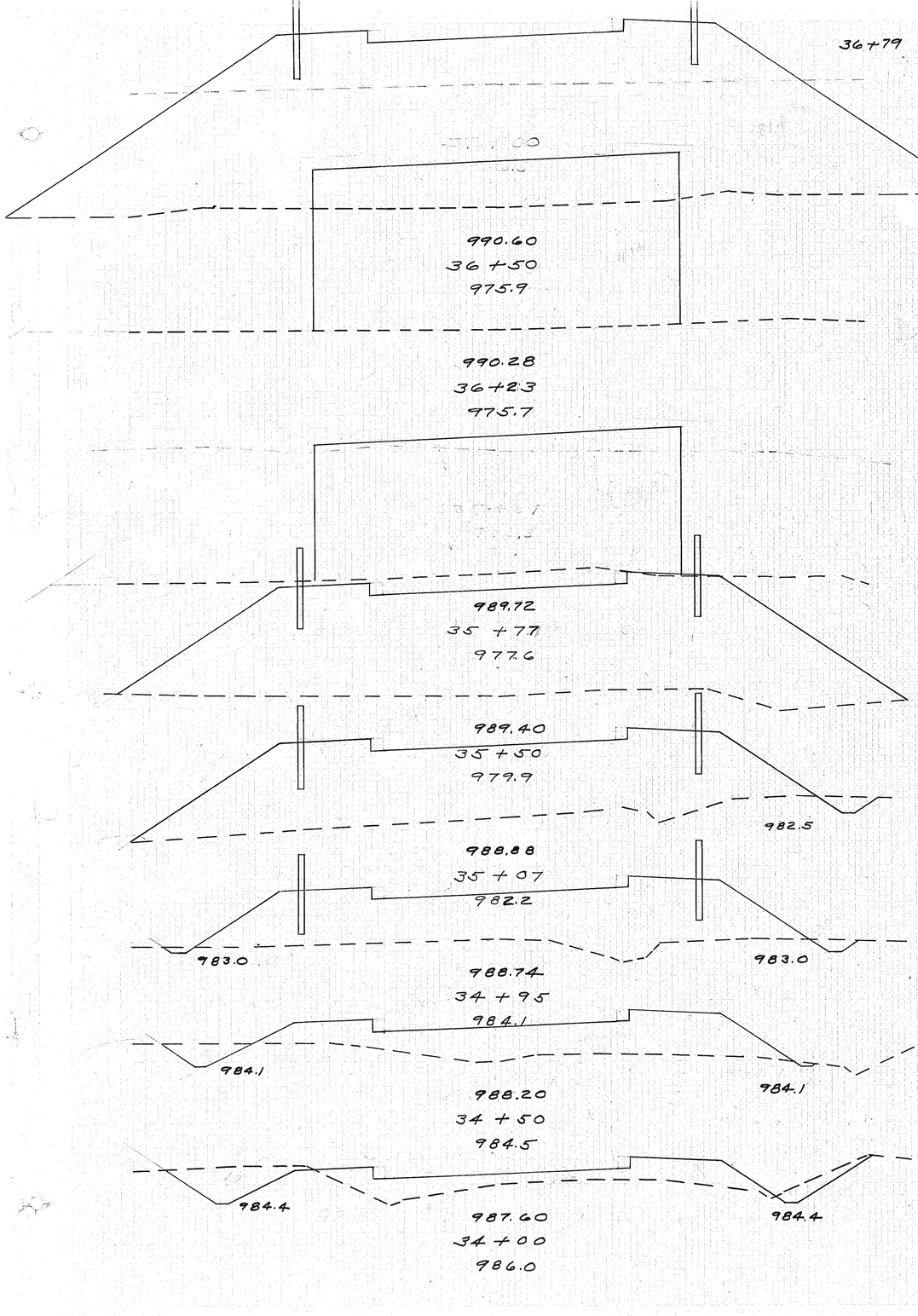
990.40
30 + 00
992.8

End Area Exc	End Area Emb	Cu Yds Exc	Cu Yds Emb
56	9		
		137	9
92	1		
		90	1
120	0		
		458	0
201	0		
		811	0
237	0		
		220	0
237	0		
		267	0
187	0		
		114	0
137	0		
		91	0
86	0		
		59	0

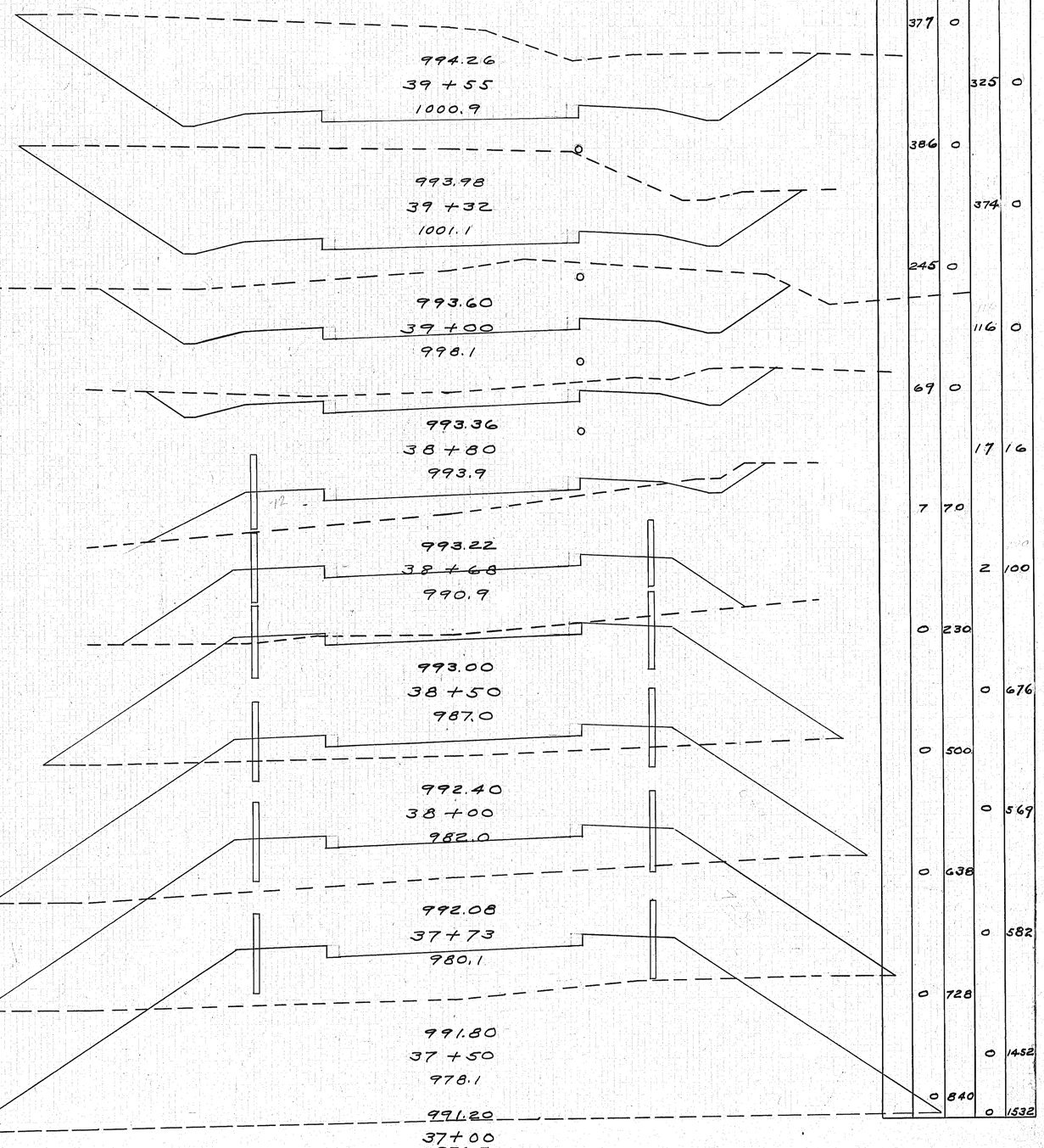
FED. RD. DIST. NO.	STATE	FED AID PROJECT	FISCAL YEAR
10	OHIO		1930

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S.H.-330 SEC. D
TRUMBULL COUNTY



	End Area Exc.	End Area Emb.	Cu. Yds. Exc.	Cu. Yds. Emb.
	0	814		
Cu Yds Cu Yds 3700 91			0	614
	0	414		
Emb. +20% Waste				
Cu Yds Cu Yds				
Exc 3791 Emb 3083	0	343		
			0	403
	0	462		
			3	603
	4	295		
			2	110
	4	198		
			11	252
	9	104		
			32	144
	25	51		
			75	56

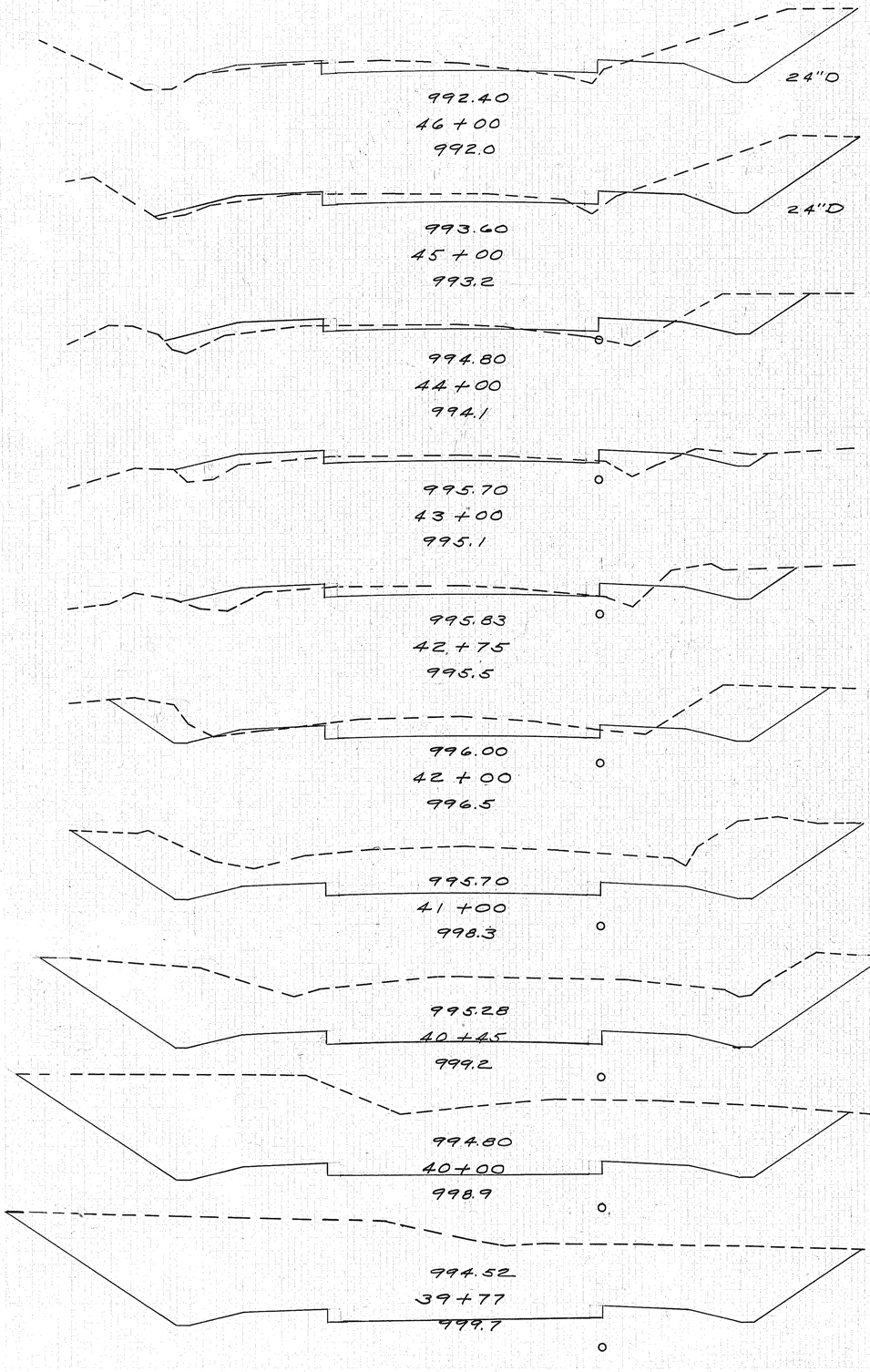


End Area Exc.	End Area Emb.	Cu Yds Exc.	Cu Yds Emb.
377	0		
		325	0
386	0		
		374	0
245	0		
		116	0
69	0		
		17	16
7	70		
		2	100
0	230		
		0	676
0	500		
		0	569
0	638		
		0	582
0	728		
		0	1452
0	840		
		0	1532

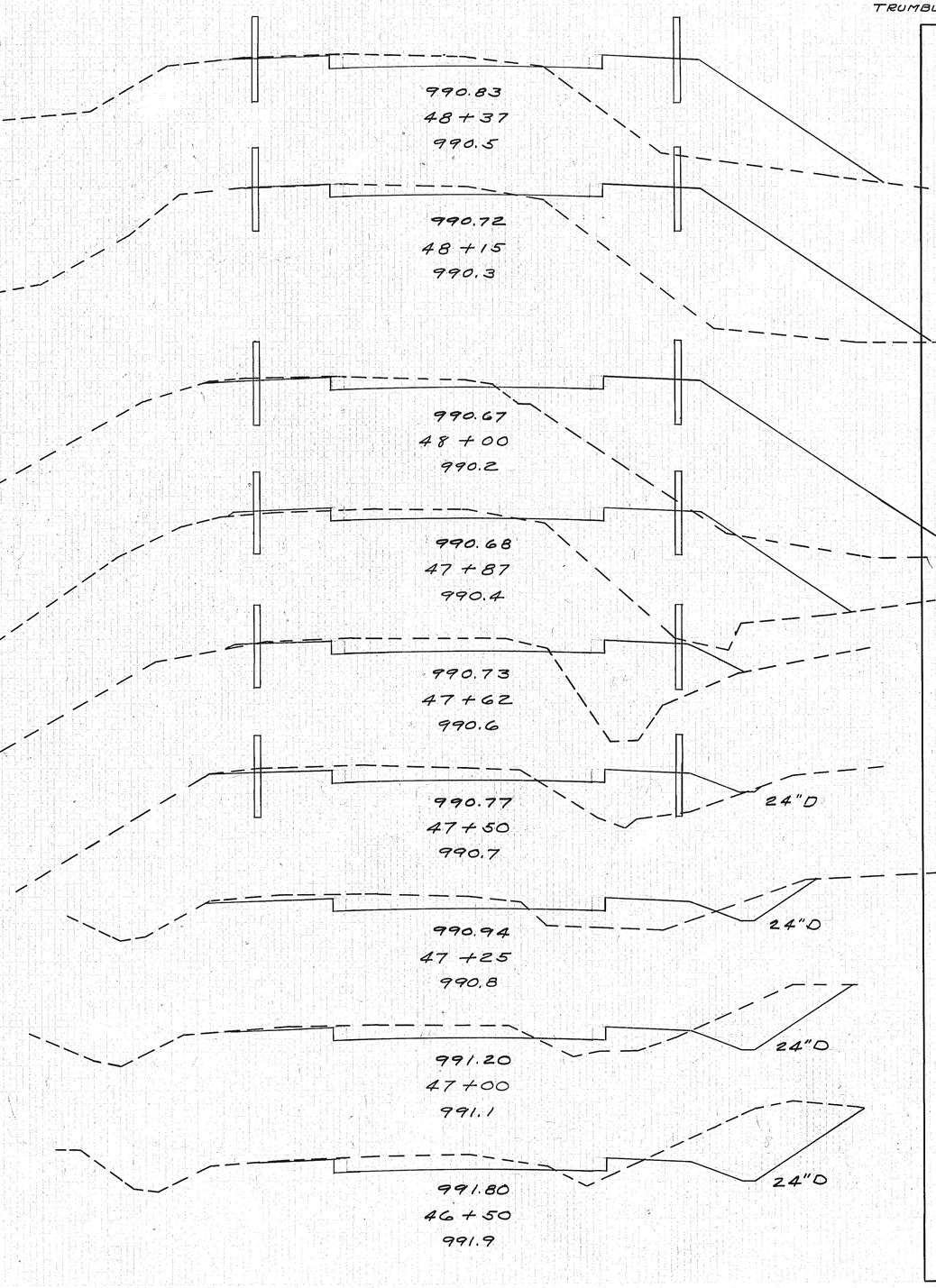
Fed. Rd. Dist. No.	State	Fed. Aid Proj.	Fiscal Year
10	OHIO		1930

19
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S.H. 330 SEC. D
TRUMBULL CO.



End Area Exc	End Area Emb	Cu Yds Exc	Cu Yds Emb
51	6		
		200	24
57	7		
		148	50
23	20		
		67	69
13	17		
		19	14
29	13		
		139	22
71	3		
		467	6
181	0		
		444	0
255	0		
		484	0
326	0		
		293	0
362	0		
		301	0



End Area Exc	End Area Emb	Cu Yds Exc	Cu Yds Emb
12	109		
		9	112
10	166		
		6	104
11	208		
		5	82
10	131		
		12	90
15	63		
		8	23
20	39		
		22	29
27	23		
		33	17
44	13		
		100	17
64	5		
		107	10

Fed. Rd. Dist. No.	State	Fed Aid Fiscal Proj. Year	20 54
10	Ohio	1930	

S.H. 330 SEC. D

TRUMBULL CO.

24"D
996.00
52 + 00
997.2

24"D
995.03
51 + 35
997.1

24"D
994.67
51 + 11
996.7

24"D
994.50
51 + 00
994.8

24"D
994.22
50+81
995.7

24"D
993.45
50 + 30
995.4

24"D
993.00
50 + 00
993.0

24"D
992.07
49 + 38
991.5

24"D
991.50
49 + 00
991.2

24"D
991.07
48 + 66
990.7

End Area Exc.	End Area Emb.	Cu Yds Exc.	Cu Yds Emb.
110	0		
		300	0
139	0		
		120	0
131	0		
		50	0
116	0		
		80	0
112	0		
		207	10
107	11		
		101	10
75	7		
		107	15
16	6		
		20	16
13	17		
		15	30
11	30		
		12	75

999.93
55 + 15
1000.5

999.85
55 + 00
999.6

999.40
54 + 45
1000.4

999.01
54 + 07
1000.8

24"D
998.93
54 + 00
1000.8

24"D
998.77
53 + 87
1000.5

24"D
998.60
53 + 74
1000.3

24"D
997.50
53 + 00
998.8

24"D
996.53
52 + 35
997.1

End Area Exc.	End Area Emb.	Cu Yds Exc.	Cu Yds Emb.
64	0		
		31	0
48	0		
		192	0
91	0		
		171	0
152	0		
		40	0
159	0		
		70	0
132	0		
		66	0
141	0		
		356	0
119	0		
		260	0
97	0		
		134	0

Exc. 5835 Cu Yds
Emb. 20% 31 Cu Yds Borrow
Exc. 3804 Cu Yds
Emb 4863 Cu Yds

FED. RD. DIST. NO.	STATE	FED. AID PROJ.	FISCAL YEAR	21/54
10	OHIO		1930	

S.H. 330 SEC. O
TRUMBULL CO.

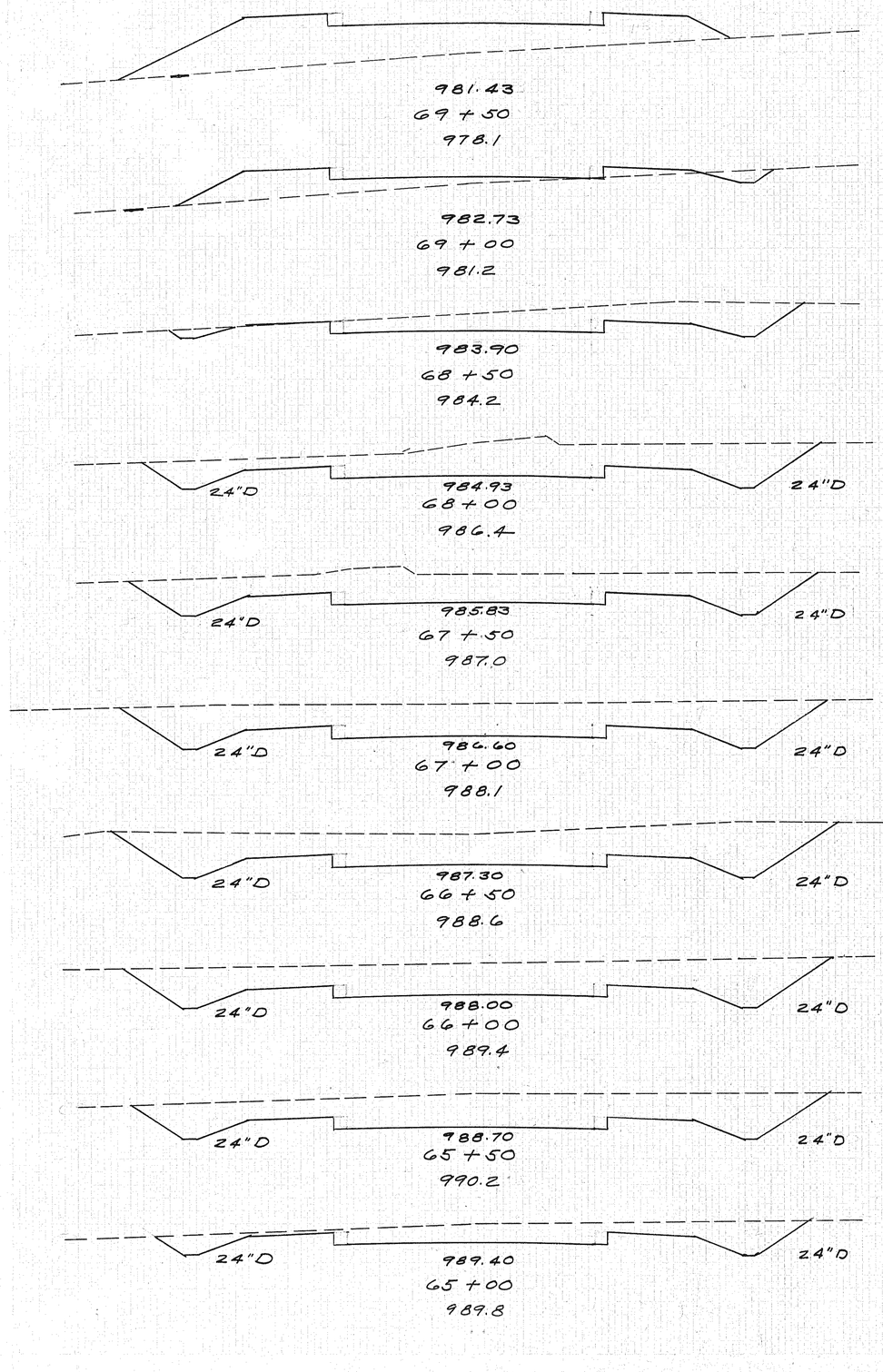
End Area Exc.	End Area Emb.	Cu Yds Exc.	Cu Yds Emb.
51	0		
		103	0
60	0		
		120	0
70	0		
		129	0
69	0		
		122	0
63	0		
		67	8
9	9		
		11	18
3	10		
		5	19
2	10		
		6	17
4	8		
		29	8
27	1		
		59	1

End Area Exc.	End Area Emb.	Cu Yds Exc.	Cu Yds Emb.
41	0		
		84	0
50	0		
		102	0
60	0		
		111	0
60	0		
		113	0
62	0		
		95	0
41	0		
		49	6
12	6		
		16	17
5	11		
		27	13
24	2		
		69	2

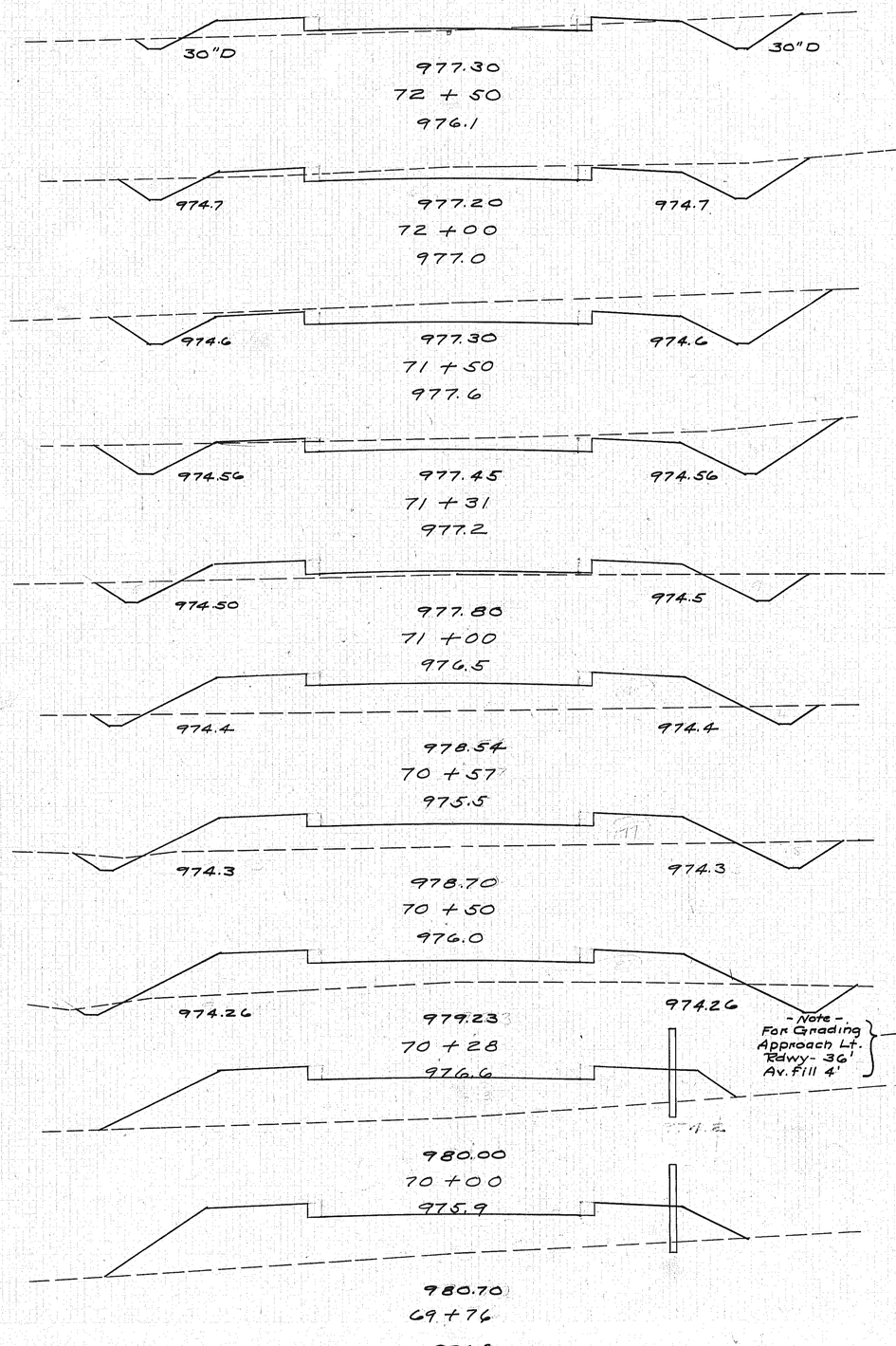
FED. RD. DIST. NO.	STATE	FED. AID PROJ.	FISCAL YEAR	22 / 54
10	OHIO		1930	

S.H. 330 SEC. D

TRUMBULL CO.



End Area Exc	End Area Emb	Cu Yds Exc	Cu Yds Emb
0	113		
		3	137
3	35		
		57	33
58	1		
		148	1
102	0		
		197	0
111	0		
		220	0
126	0		
		243	0
136	0		
		243	0
126	0		
		222	0
114	0		
		160	0
59	0		
		93	0

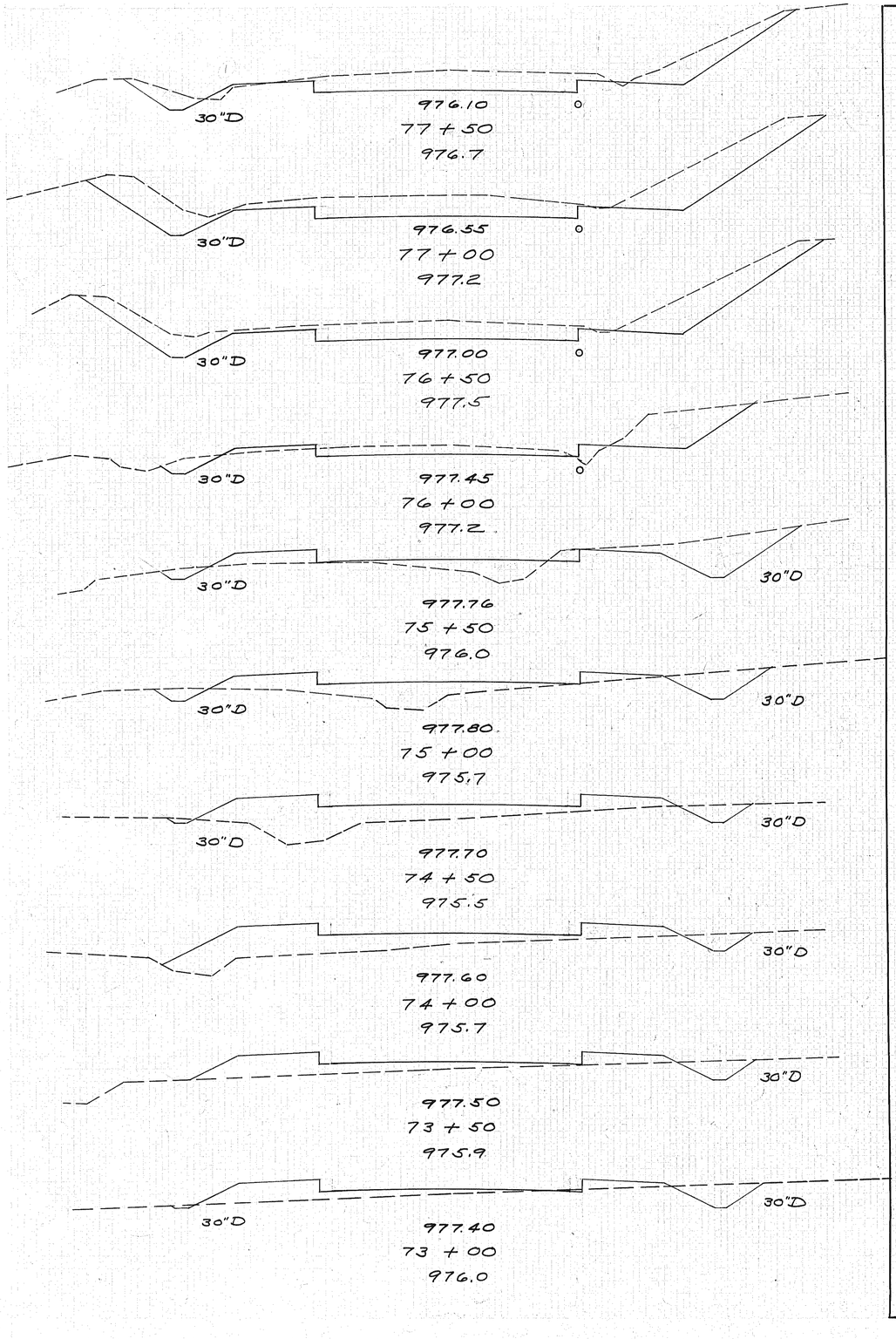


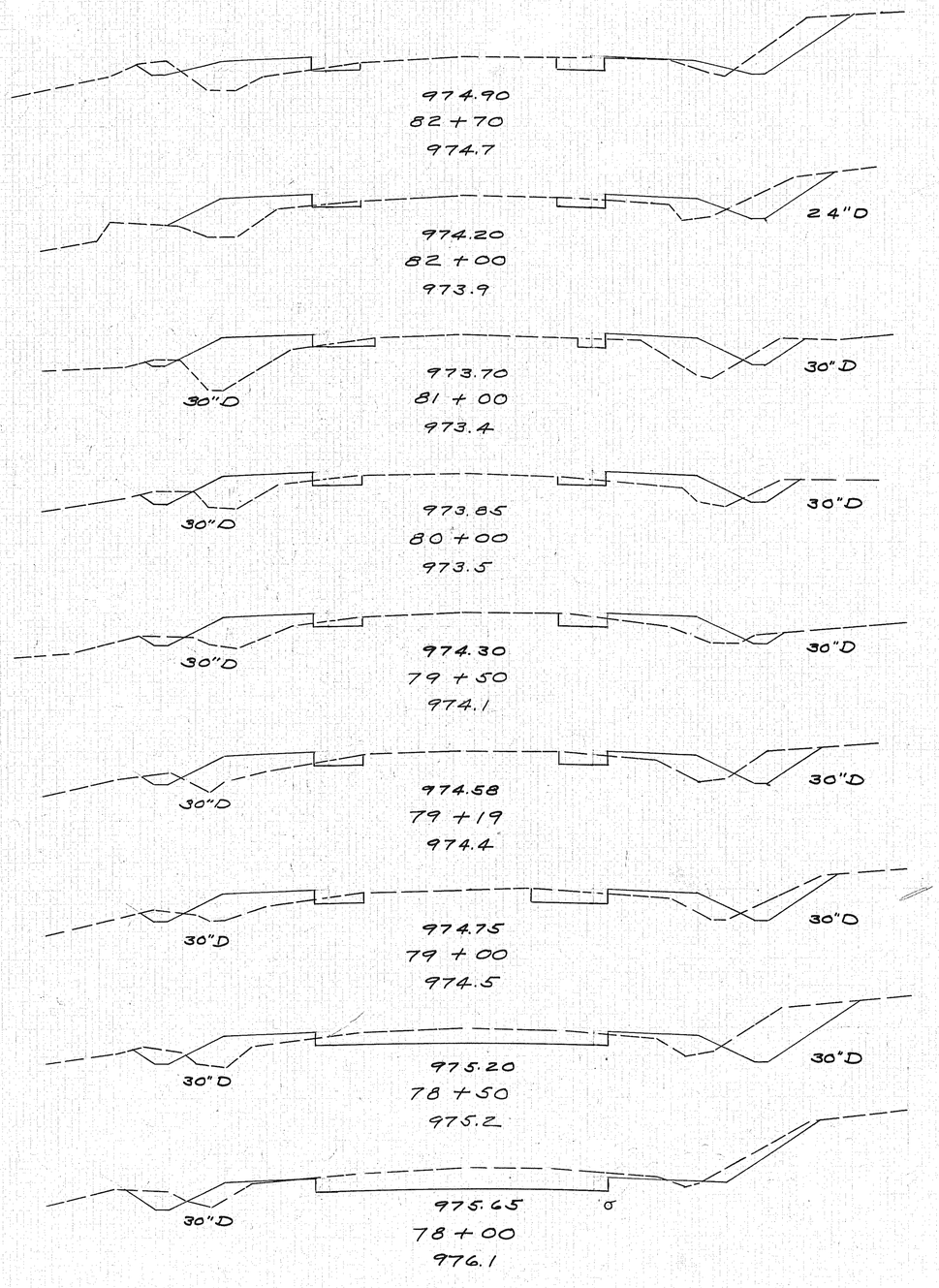
End Area Exc	End Area Emb	Cu Yds Exc	Cu Yds Emb
14	15		
		51	18
41	4		
		109	4
77	0		
		47	1
57	1		
		41	14
14	24		
		17	89
7	88		
		2	21
11	75		
		9	65
10	85		
		→ 650	
		5	111
0	127		
		10	117
0	135		
		0	119

- Note -
For Grading Approach Lt. Rdwy- 36' Av. Fill 4'

FED. RD. DIST. NO.	STATE	FED. AID PROJ.	FISCAL YEAR	23 / 54
10	OHIO		1930	

S.H. 330 SEC. D
TRUMBULL CO.

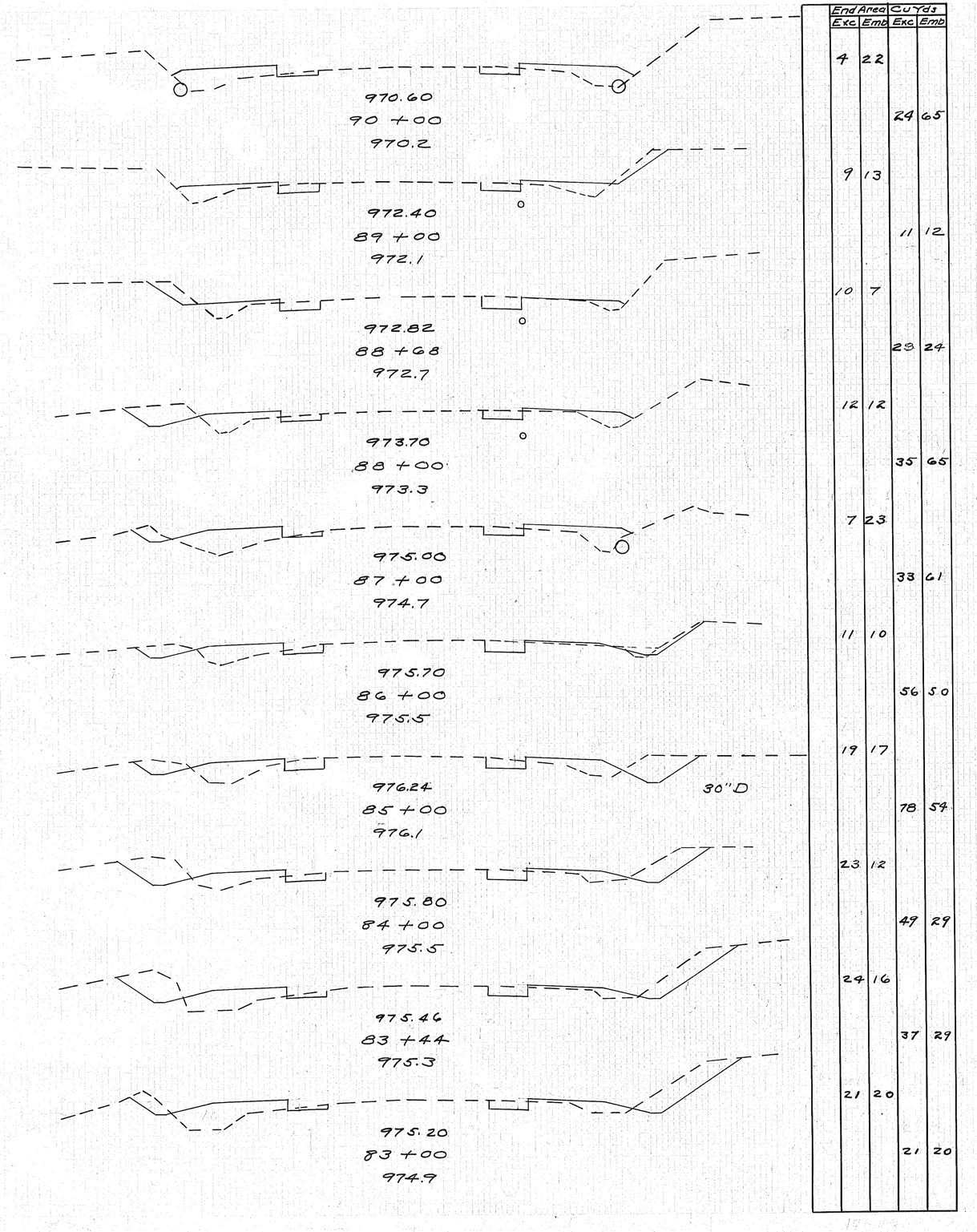




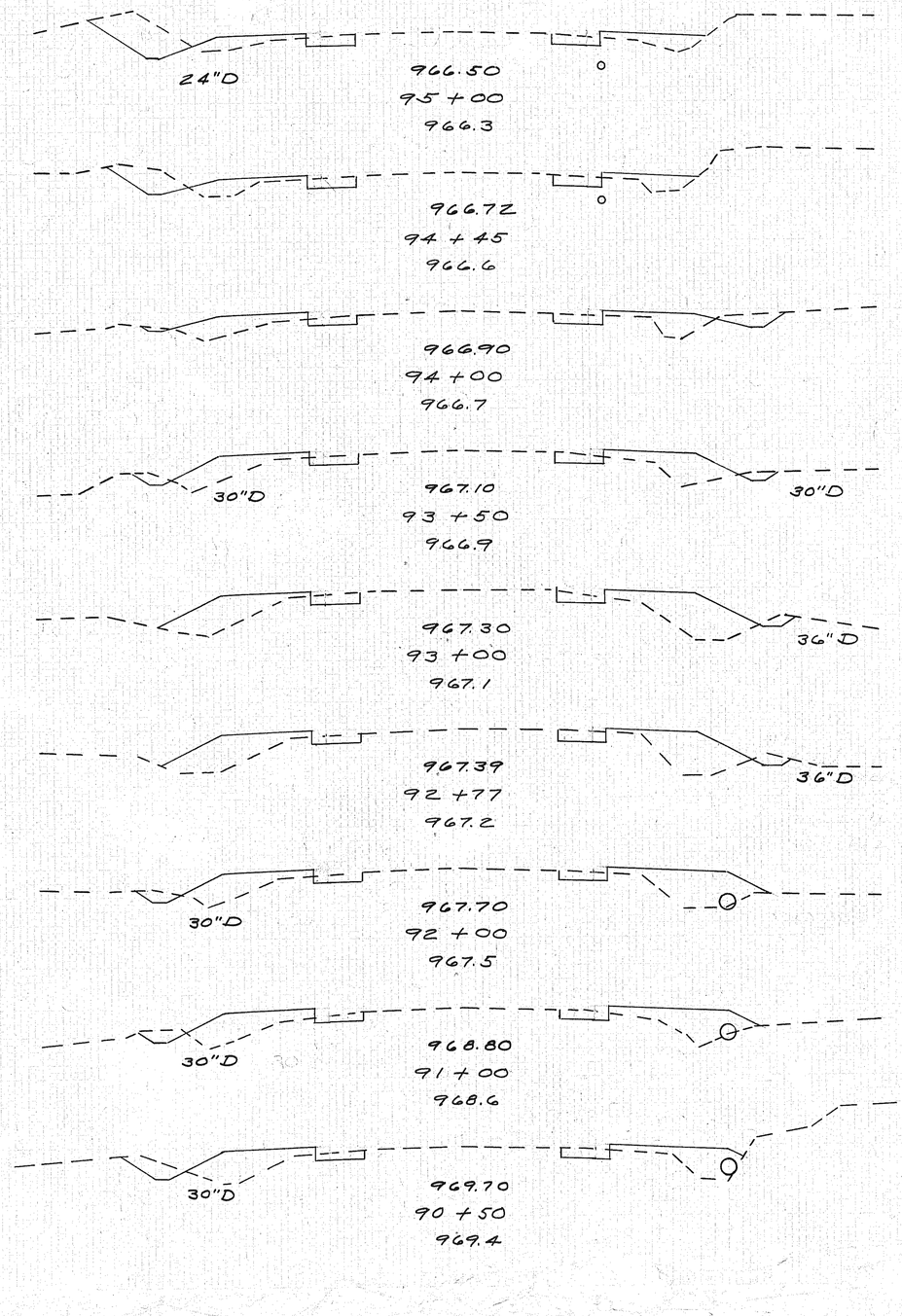
	End Area		Cu Yds	
	Exc	Emb	Exc	Emb
	57	2		
			137	2
	91	0		
			153	1
	74	1		
			102	6
	36	5		
			58	24
	27	21		
			37	52
	13	35		
			17	85
	5	57		
			8	106
	4	57		
			8	83
	5	33		
			11	54
	7	25		
			19	37
	17	16		
			39	51
	13	23		
			37	104
	7	33		
			30	106
	9	24		
			15	44
	7	23		
			12	26
	17	23		
			10	15
	14	19		
			52	33
	47	17		
			75	20
	39	5		
			89	7

FED. RD. DIST. NO.	STATE	FED. AID PROJ.	FISCAL YEAR	24 / 54
10	OHIO		1930	

S.H. 330 SEC. D
TRUMBULL CO.



End Area Exc.	End Area Emb.	Cu Yds Exc.	Cu Yds Emb.
4	22		
		24	65
9	13		
		11	12
10	7		
		23	24
12	12		
		35	65
7	23		
		33	61
11	10		
		56	50
19	17		
		78	54
23	12		
		49	29
24	16		
		37	29
21	20		
		21	20

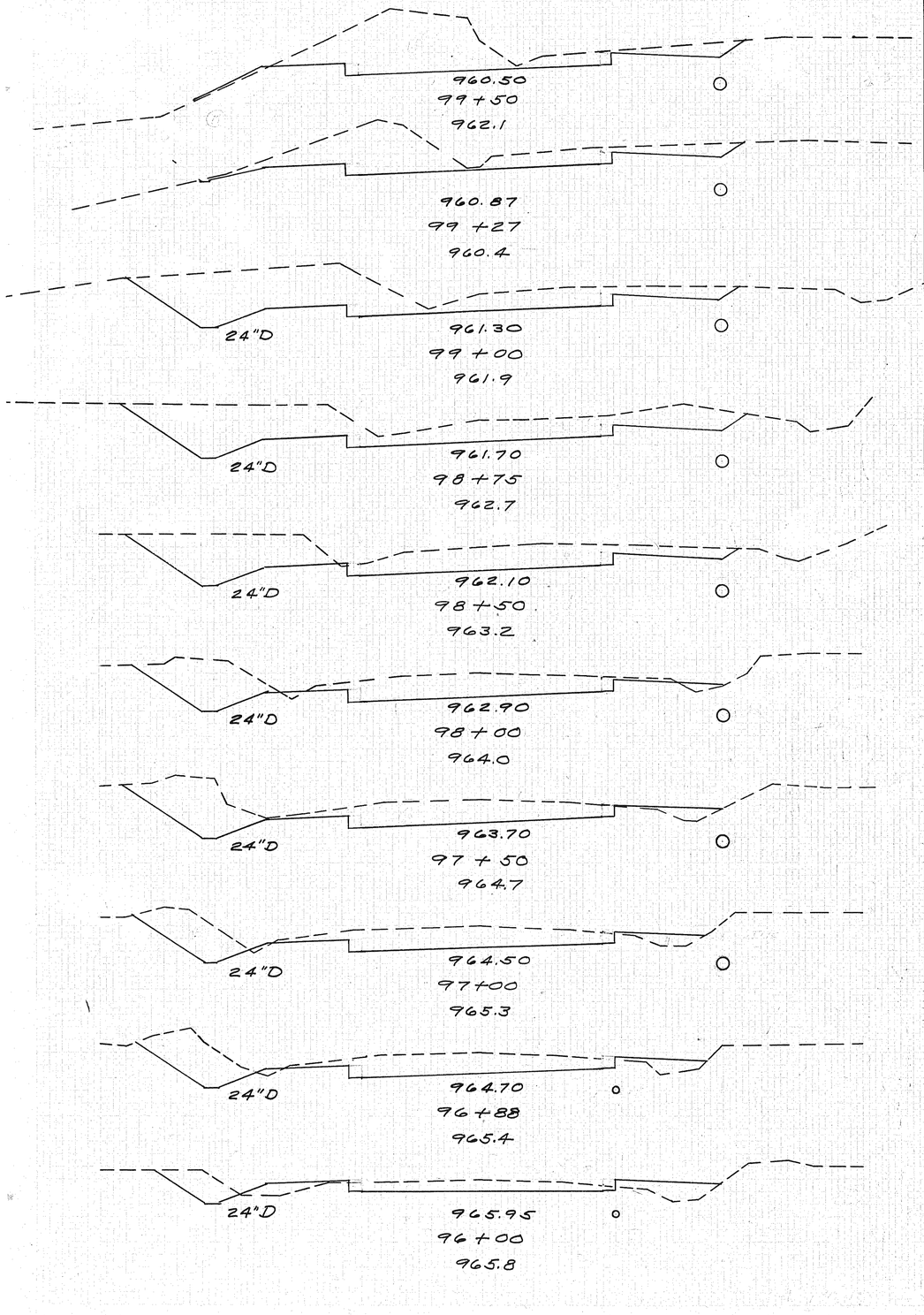


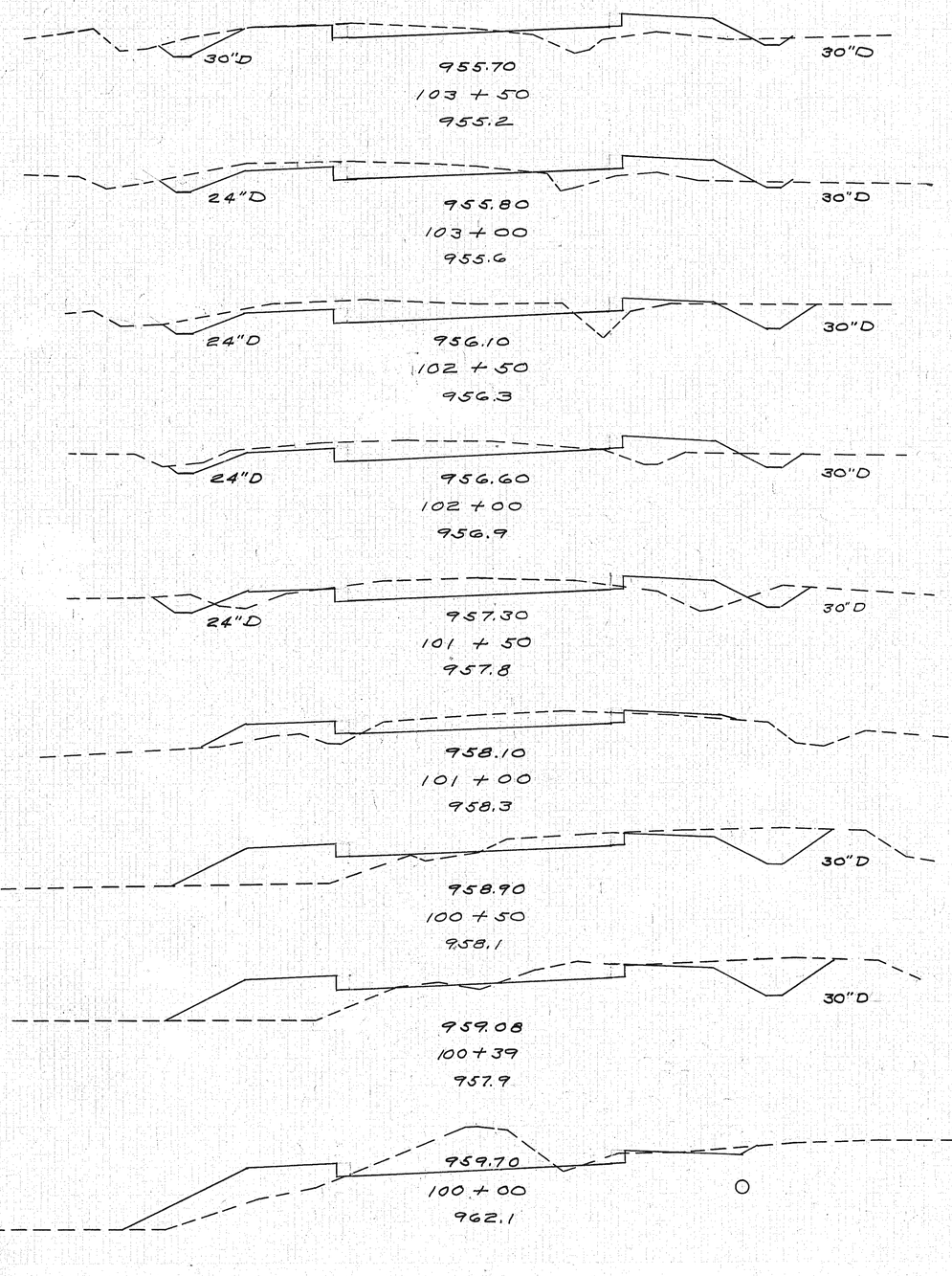
End Area Exc.	End Area Emb.	Cu Yds Exc.	Cu Yds Emb.
18	11		
		30	2
11	10		
		16	22
8	16		
		14	35
7	22		
		12	51
6	33		
		5	28
6	32		
		17	86
6	28		
		22	102
6	27		
		9	46
4	23		
		7	42

Exc. 4770 CuYds Emb+20% 3902 CuYds
Emb. 3168 CuYds Waste 968 CuYds

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S.H. 330 Sec. D
Trumbull Co.





End Area Exc	End Area Emb	Cu Yds Exc	Cu Yds Emb
71	1		
		56	1
60	0		
		76	0
92	0		
		86	0
94	0		
		83	1
85	1		
		139	3
65	2		
		119	6
64	4		
		109	8
54	5		
		27	2
52	6		
		127	31
26	13		
		82	44

End Area Exc	End Area Emb	Cu Yds Exc	Cu Yds Emb
13	20		
		33	34
23	17		
		56	21
37	6		
		60	
			17
28	12		
		54	26
			↓
30	16		
		44	27
18	13		
		40	41
25	31		
		10	13
25	33		
		41	45
32	29		
		95	28

Fed. Rd. Dist. No.	State	Fed. Aid Proj.	Fiscal Year
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S.H. 330 SEC. D
TRUMBULL CO.

950.7 — 955.70 — 952.9
106 + 50
953.4

950.65 — 955.70 — 952.75
106 + 25
954.1

955.70 — 952.6
106 + 00
953.7

955.70 — 952.5
105 + 85
953.4

955.70 — 952.3
105 + 50
954.3

955.70 — 952.11
105 + 19
954.7

955.70 — 952.0
105 + 00
954.7

951.8 — 955.70 — 951.8
104 + 80
954.8

36"D — 955.70 — 36"D
104 + 50
954.8

33"D — 955.70 — 33"D
104 + 00
954.9

954.3 — 956.30 — 955.0
110 + 00
956.4

954.0 — 956.00 — 954.7
109 + 50
956.5

953.7 — 955.77 — 954.4
109 + 00
956.2

953.4 — 955.70 — 954.1
108 + 50
955.7

953.1 — 955.70 — 953.8
108 + 00
954.6

953.0 — 955.70 — 953.75
107 + 92
954.2

951.0 — 955.70 — 953.67
107 + 78
955.5

950.9 — 955.70 — 953.5
107 + 50
954.2

950.8 — 955.70 — 953.2
107 + 00
952.3

Cu Yds Exc 1325 Emb 276
Cu Yds Emb 20% Waste Exc 1601 Emb 1104

Sta	End Area Exc	End Area Emb	Cu Yds Exc	Cu Yds Emb
106+50	25	62		
			24	54
106+25	26	55		
			19	42
106+00	14	36		
			9	19
105+85	19	34		
			16	55
105+50	5	51		
			10	57
105+19	13	48		
			10	38
105+00	15	59		
			14	43
104+80	24	56		
			17	49
104+50	7	32		
			14	55
104+00	8	27		
			19	44
110+00	30	22		
			59	32
109+50	34	12		
			62	16
109+00	33	5		
			71	6
108+50	44	1		
			98	2
108+00	62	1		
			19	1
107+92	66	1		
			23	10
107+78	24	37		
			26	50
107+50	27	60		
			45	124
107+00	22	74		
			14	126

Fed. Rd. Dist. No.	State	Fed. Aid Proj.	Fiscal Year
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S.H. 330 SEC. D
TRUMBULL CO.

Exc. 1110 Cu Yds
Emb. 720 Cu Yds

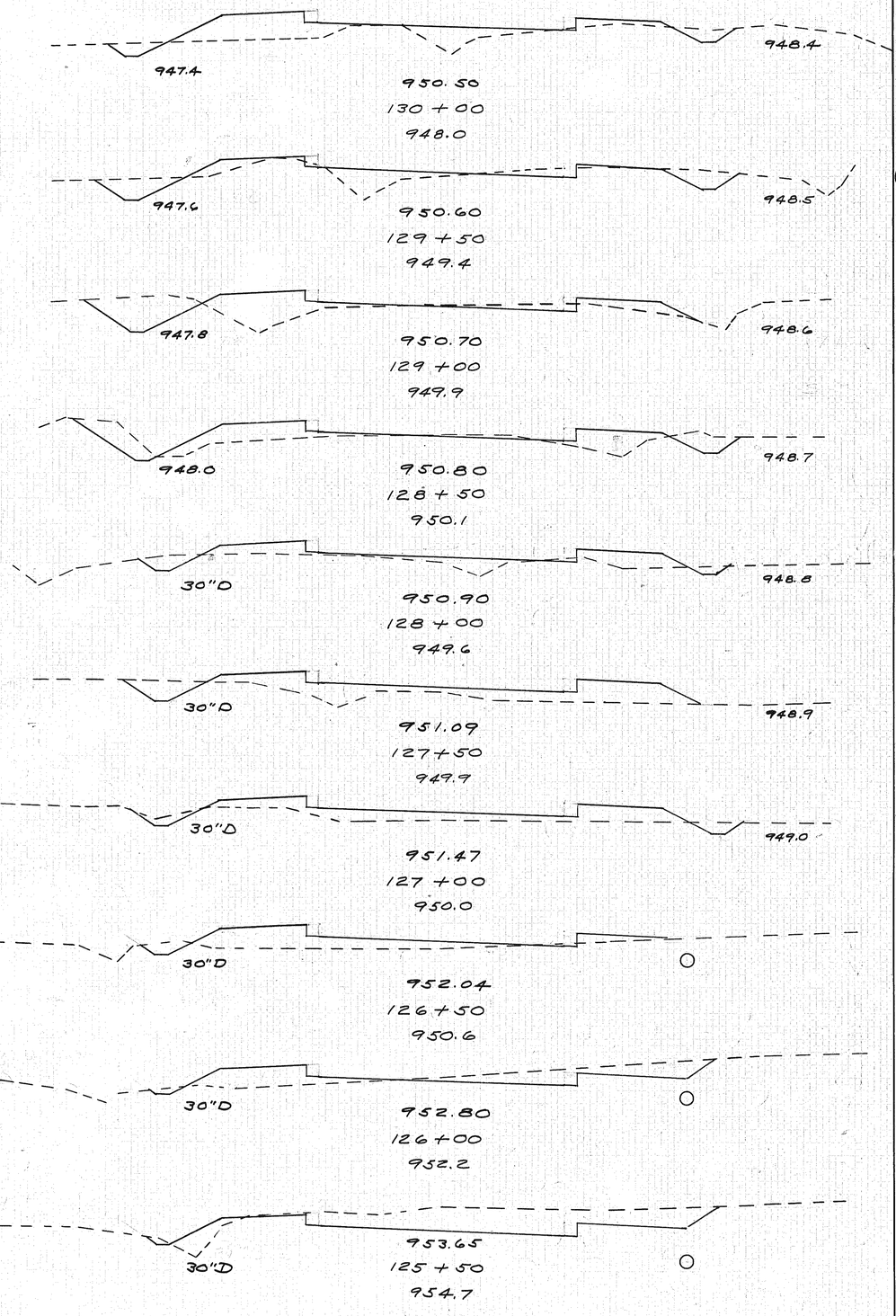
Emb 70% Waste 864 Cu Yds
246 Cu Yds

	End Area Exc.	End Area Emb.	Cu Yds Exc.	Cu Yds Emb.
962.30 / 119+00 / 962.0	11	16		
			44	59
962.58 / 118+00 / 962.3	13	16		
			52	46
962.40 / 117+00 / 962.2	15	9		
			78	37
961.78 / 116+00 / 961.6	27	11		
			113	49
960.70 / 115+00 / 960.6	34	13		
			60	19
960.12 / 114+55 / 960.0	38	10		
			63	25
959.40 / 114+00 / 959.2	24	15		
			76	69
958.19 / 113+00 / 957.9	17	22		
			56	87
957.50 / 112+00 / 957.2	13	25		
			54	85
956.90 / 111+00 / 956.5	16	21		
			85	80
954.50 / 125+00 / 955.1	53	16		
			94	27
955.35 / 124+50 / 955.6	49	13		
			71	20
956.20 / 124+00 / 955.2	28	9		
			52	15
957.05 / 123+50 / 956.7	28	7		
			41	21
957.90 / 123+00 / 957.6	16	16		
			33	27
958.75 / 122+50 / 958.7	20	13		
			37	23
959.60 / 122+00 / 959.9	20	12		
			39	19
960.38 / 121+50 / 960.6	22	8		
			38	18
961.00 / 121+00 / 961.0	17	11		
			56	46
961.80 / 120+00 / 961.5	11	14		
			41	56

FED. RD. DIST. NO.	STATE	FED. AID PROJ.	FISCAL YEAR
10	OHIO		1930

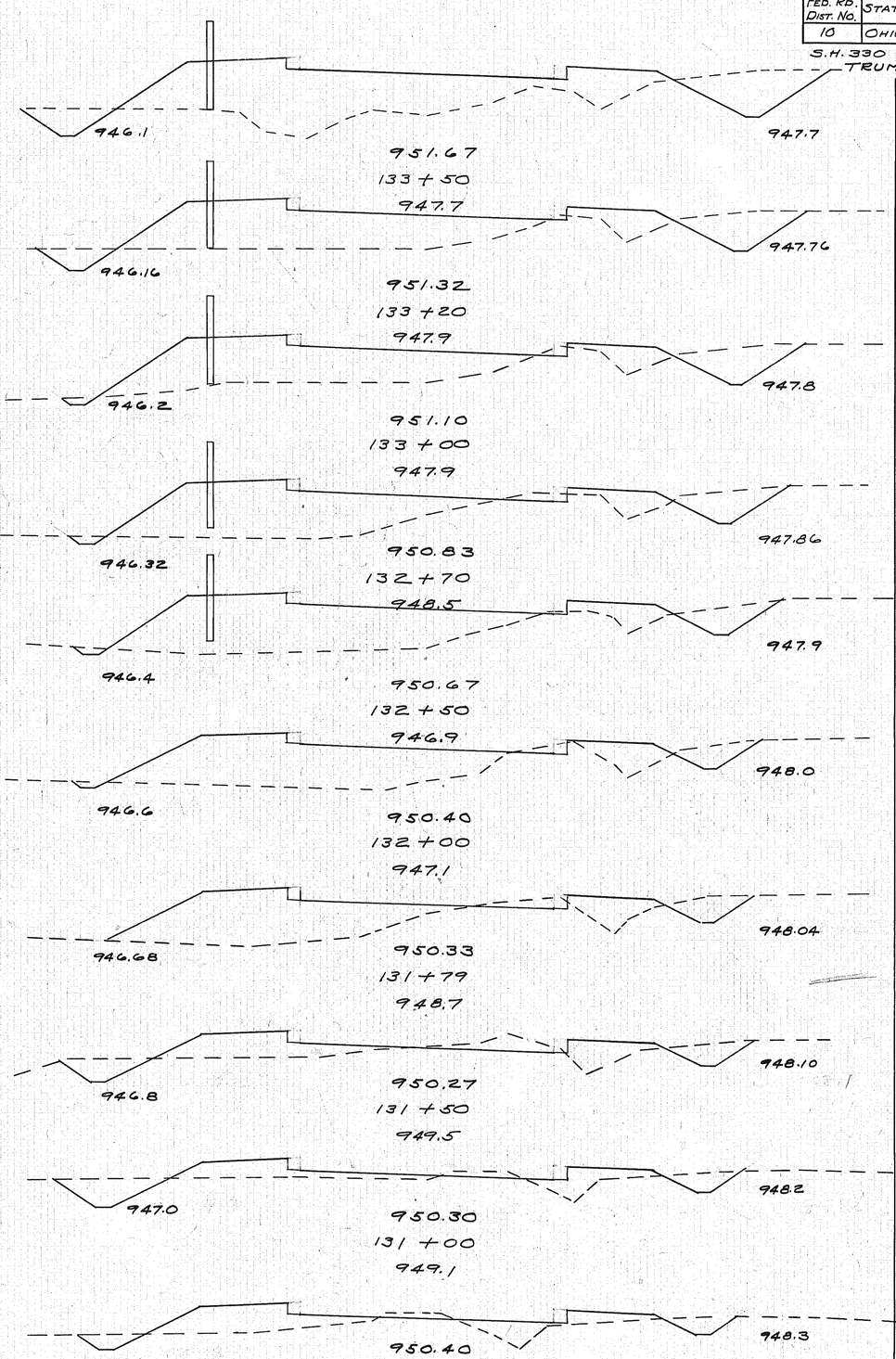
28
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S.H. 330 SEC. D TRUMBULL CO.



	End Area Exc.	End Area Emb.	Cu Yds Exc.	Cu Yds Emb.
	6	33		
			19	44
	15	15		
			32	37
	19	25		
			32	47
	15	26		
			19	44
	5	21		
			10	56
	6	39		
			10	63
	5	29		
			7	51
	3	26		
			21	38
	20	15		
			60	19
	45	5		
			91	19

658 Cu Yds Emb + 20% Waste
534 Cu Yds Exc.
687 Cu Yds Emb
544 Cu Yds Exc.

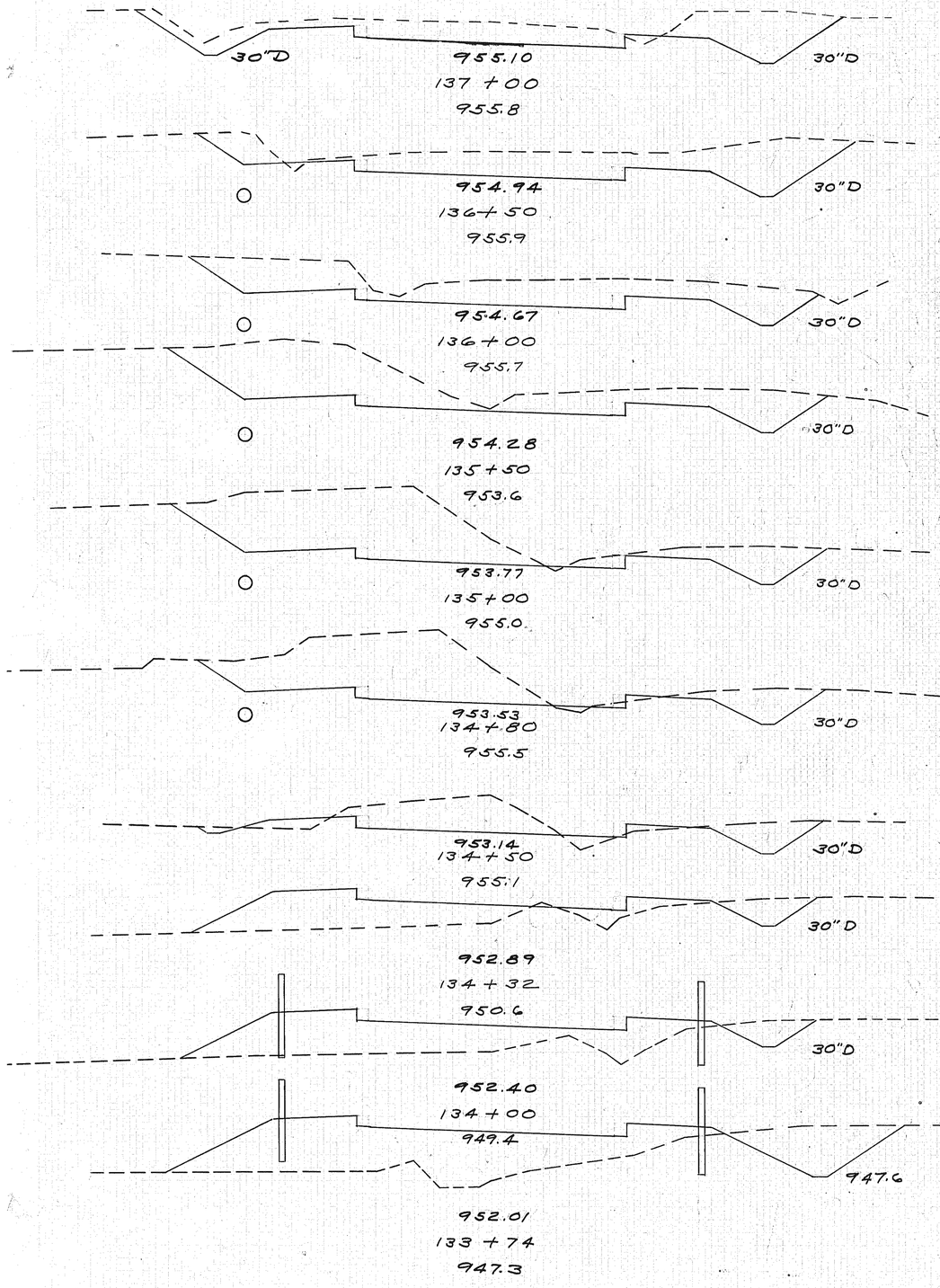


	End Area Exc.	End Area Emb.	Cu Yds Exc.	Cu Yds Emb.
	30	115		
			29	113
	22	89		
			14	66
	17	88		
			18	98
	16	89		
			10	72
	10	104		
			19	182
	10	92		
			8	66
	11	77		
			16	58
	19	31		
			34	52
	18	25		
			26	57
	10	36		
			15	64

Fed. Rd. Dist. No	State	Fed. Aid Proj.	Fiscal Year
10	OHIO		1930

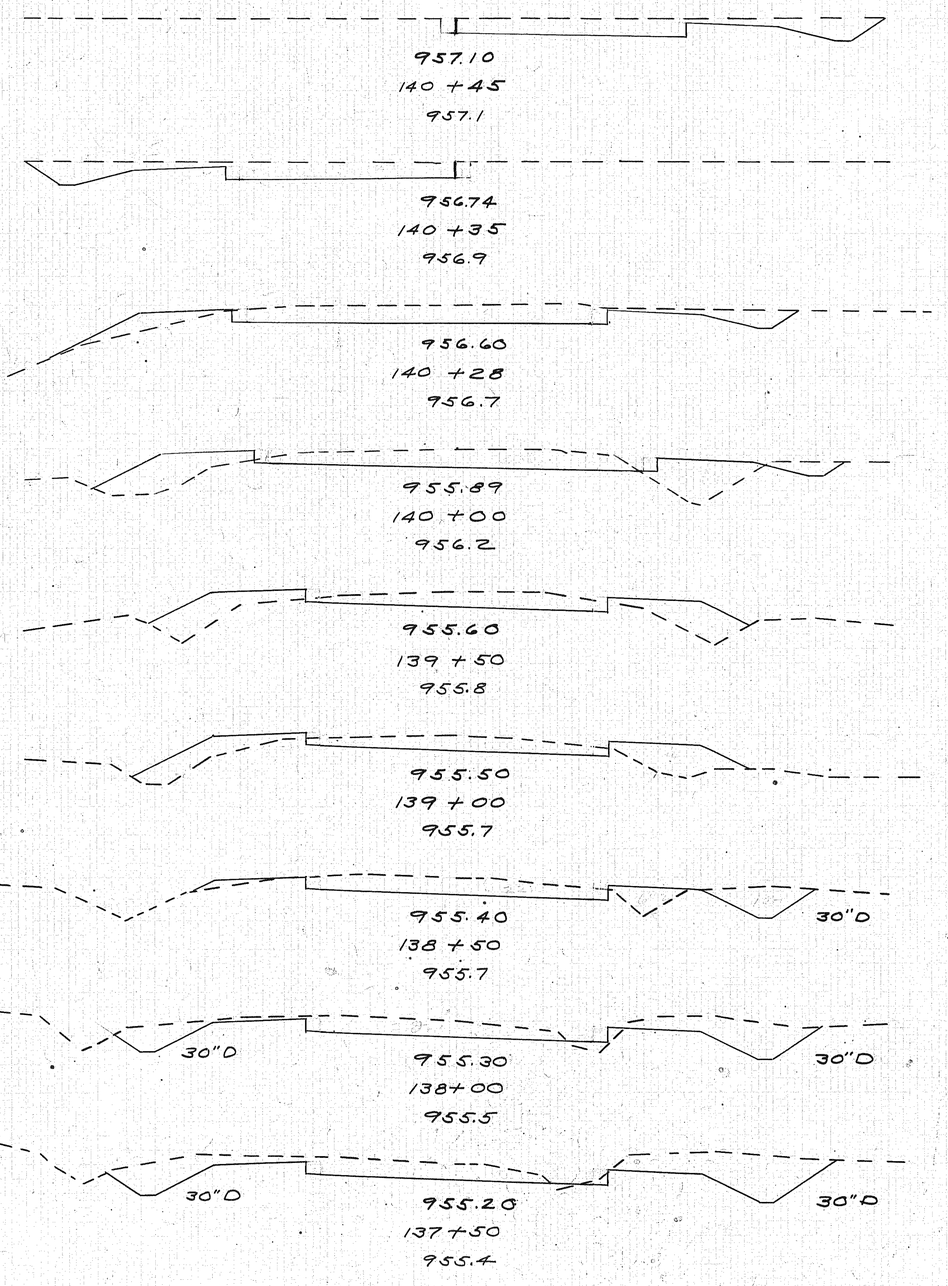
29
54

S.H. 330 SEC. D
TRUMBULL CO.



	End Area Exc.	End Area Emb.	Cu Yds Exc.	Cu Yds Emb.
	78	1		
			156	2
	90	1		
			168	1
	91	0		
			193	0
	117	0		
			228	1
	129	1		
			88	1
	109			
			87	5
	47	8		
			19	27
	10	59		
			11	84
	8	83		
			18	98
	30	120		
			27	104

Cu Yds Cu Yds
Emb 20% 1614 29
Waste
Cu Yds Cu Yds
Exc. 1643 1345
Emb.

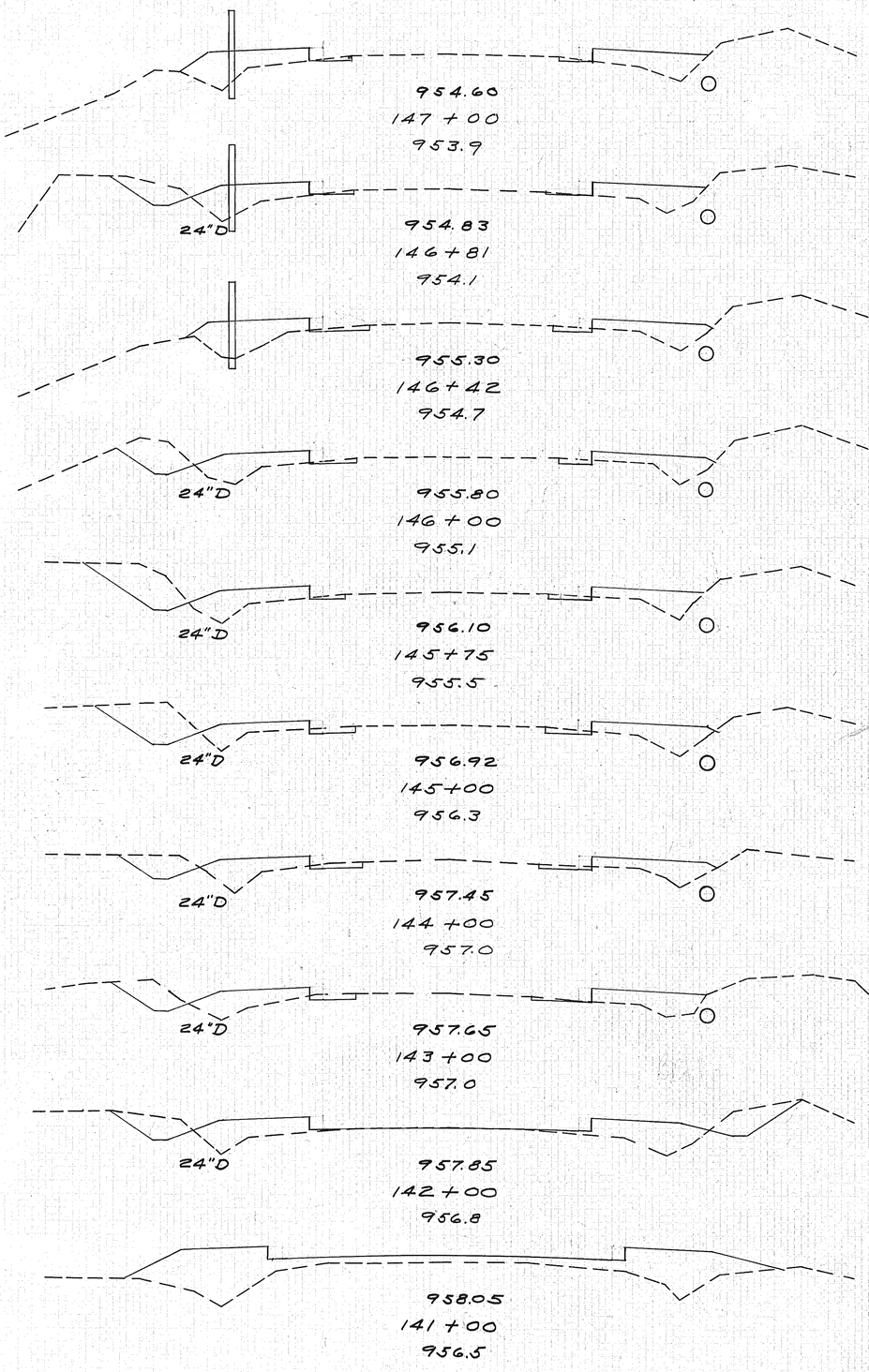


	End Area Exc.	End Area Emb.	Cu Yds Exc.	Cu Yds Emb.
	2.9	0		
			11	0
	30	0		
			9	1
	41	8		
			38	21
	33	33		
			48	57
	19	29		
			34	52
	18	27		
			48	32
	39	8		
			76	9
	48	2		
			103	3
	63	1		
			131	2

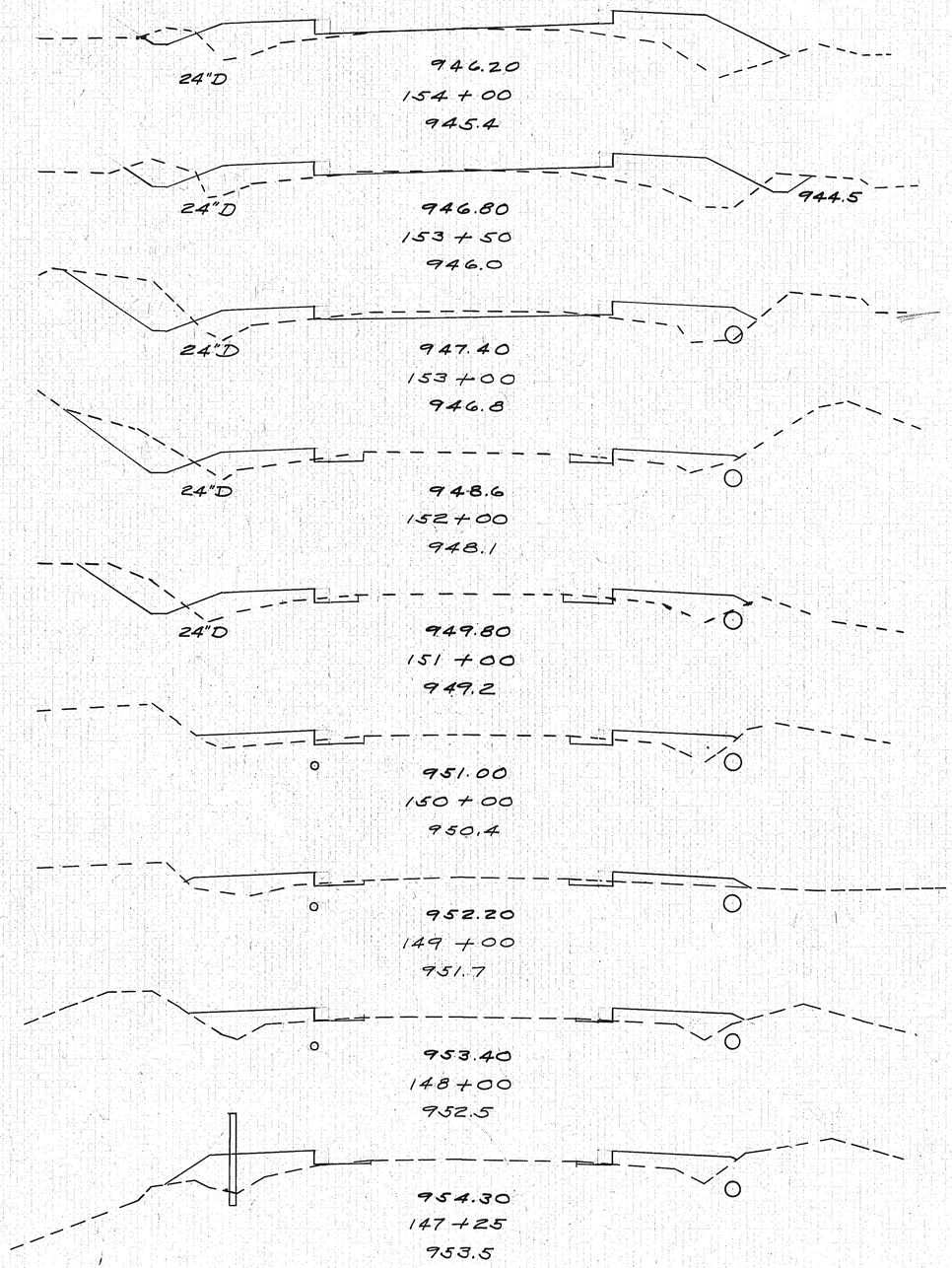
Fed. Rd. Dist. No.	State	Fed. Aid Proj.	Fiscal Year
10	Ohio		1930

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S.H. 330 SEC. D
TRUMBULL CO.



End Area Exc	End Area Emb	Cu Yds Exc	Cu Yds Emb
1	26		
		3	18
7	25		
		7	35
2	24		
		10	
			36
11	22		
		11	19
13	20		
		40	54
16	19		
		46	72
9	20		
		33	80
9	23		
		44	93
15	27		
		28	174
0	67		
		30	68



End Area Exc	End Area Emb	Cu Yds Exc	Cu Yds Emb
3	49		
		11	82
9	40		
		32	64
25	29		
		78	87
17	18		
		57	76
19	23		
		32	72
3	16		
		9	59
2	16		
		6	69
1	21		
		3	68
1	28		
		1	25

FED. RD. DIST. NO.	STATE	FED. AID PROJ.	FISCAL YEAR
10	OHIO	-	1930

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S.H. 330 SEC. D
TRUMBULL CO.

946.87
157+15
944.3
943.3

946.65
157+00
943.0
942.5

946.50
156+90
942.5

946.18
156+68
939.7

945.93
156+52
940.6

945.32
156+00
940.3

945.07
155+50
942.7

945.17
155+00
944.4

945.60
154+50
944.9

945.90
154+25
945.1

End Area Exc	End Area Emb	CU Yds Exc	CU Yds Emb
4	110		
		3	65
8	124		
		3	57
6	185		
		2	149
0	179		
		1	281
0	144		
		1	148
		2	193
1	60		
		2	101
1	49		
		2	90
1	48		
		1	44
1	46		
		2	44

24"D
951.90
160+50
952.6
24"D

24"D
951.15
160+00
952.6
24"D

24"D
950.40
159+50
952.1
24"D

24"D
949.65
159+00
950.6
24"D

949.14
158+66
951.2

948.90
158+50
947.3

948.52
158+25
942.6

948.15
158+00
940.6

947.40
157+50
941.7
943.7

947.07
157+28
942.7

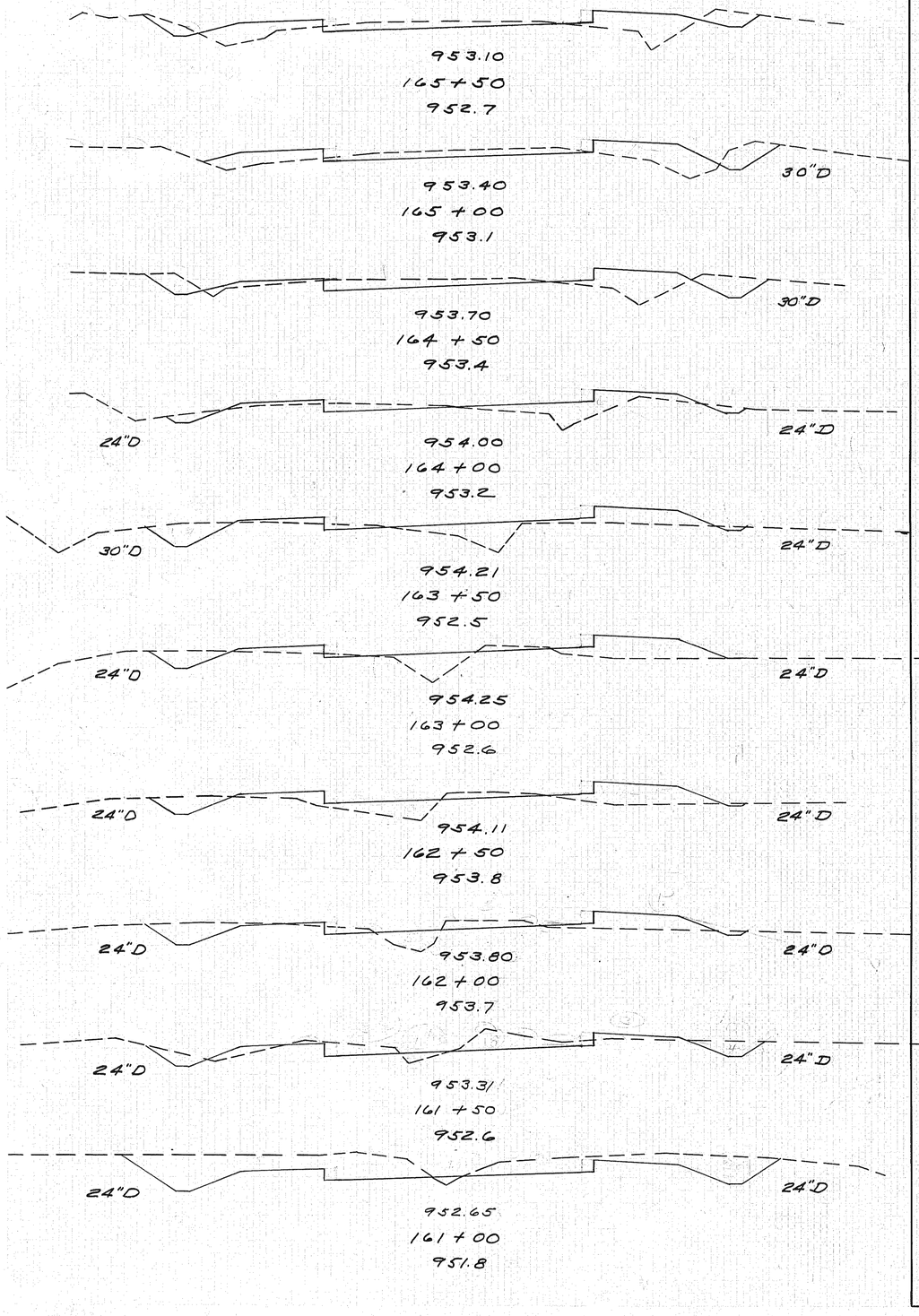
End Area Exc	End Area Emb	CU Yds Exc	CU Yds Emb
93	1		
		195	3
117	2		
		222	2
123	0		
		231	0
126	0		
		109	30
40	47		
		15	54
	12	136	
		6	169
	2	228	
		1	242
	0	294	
		0	493
	0	238	
		2	169
	5	178	
		2	69

Exc. 583 CuYds Emb. 1208 4192 CuYds
Emb 3473 CuYds Borrow 3609 CuYds

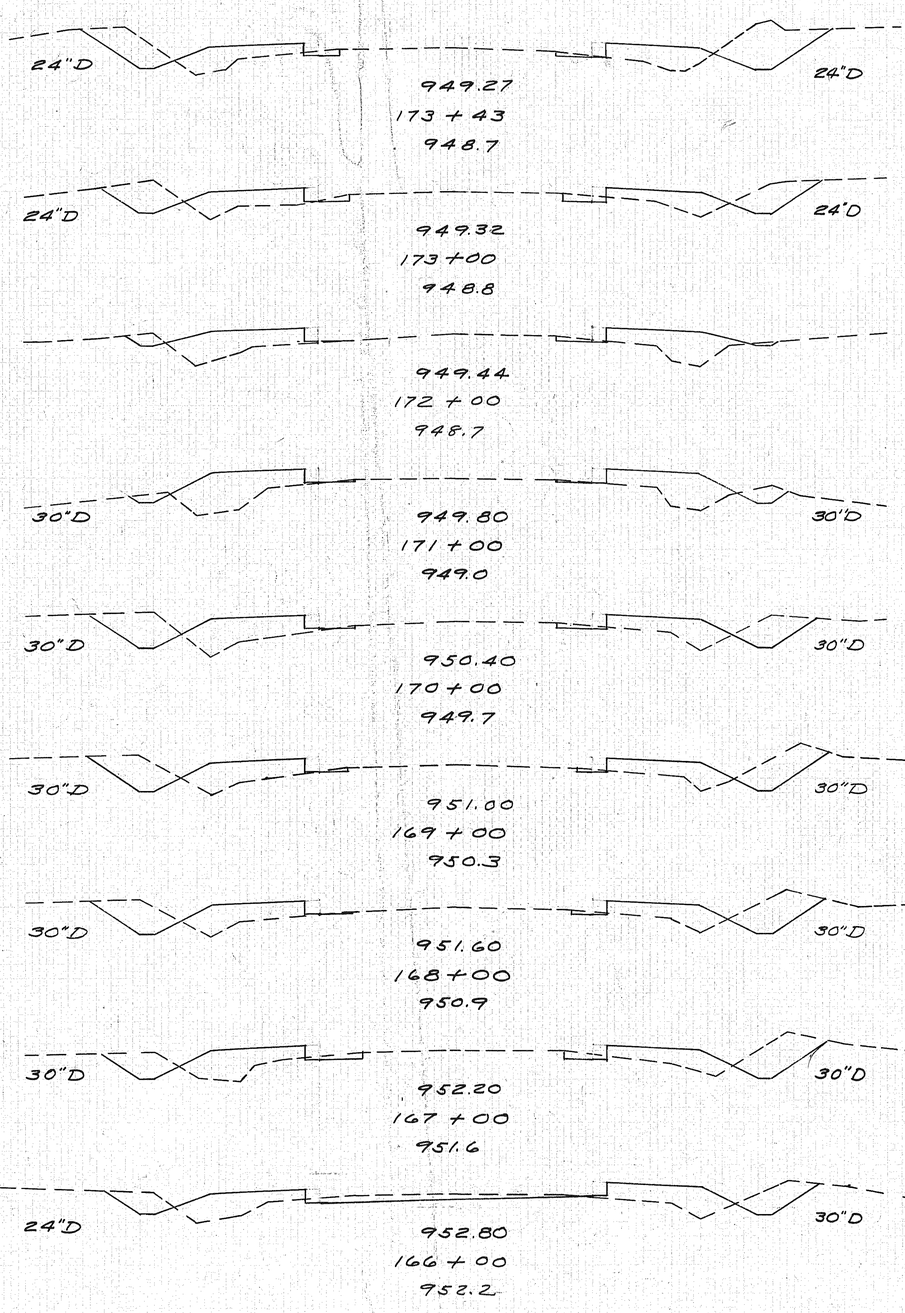
Fed. Rd. Dist. No.	State	Fed. Aid Proj.	Fiscal Year
10	OHIO		1930

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S.H. 330 SEC. D
TRUMBULL CO.



End Area Exc.	End Area Emb.	Cu Yds Exc.	Cu Yds Emb.
16	23		
		29	43
15	23		
		33	36
21	16		
		26	32
7	18		
		15	37
9	22		
		15	45
7	27		
		14	50
8	27		
		21	42
15	18		
		32	22
20	6		
		78	7
64	1		
		145	2



End Area Exc.	End Area Emb.	Cu Yds Exc.	Cu Yds Emb.
24	19		
		33	30
17	19		
		37	83
3	26		
		13	106
4	31		
		39	102
17	24		
		67	85
19	22		
		70	78
19	20		
		69	74
18	20		
		65	80
17	23		
		31	43

FED. RD. DIST. NO.	STATE	FED. AID PROJ.	FISCAL YEAR
10	OHIO		1930

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S.H. 330 SEC. D
TRUMBULL CO.

945.65
182+60
945.0

945.65
182+00
944.9

30"D
945.80
181+00
945.2

30"D 30"D
946.00
180+00
945.4

30"D 30"D
946.20
179+00
945.7

30"D 30"D
946.40
178+00
946.0

30"D 30"D
947.10
177+00
946.5

30"D 30"D
947.80
176+00
947.3

30"D 30"D
948.50
175+00
948.0

30"D 30"D
949.20
174+00
948.5

End Area Exc	End Area Emb	Cu Yds Exc	Cu Yds Emb
3	21		
		4	51
1	25		
		17	117
8	38		
		33	124
10	29		
		44	100
14	25		
		67	89
22	23		
		78	78
20	19		
		83	78
25	23		
		85	78
21	19		
		76	72
20	20		
		46	41

Exc. 2096 Cu Yds Emb+20% 2030 Cu Yds
Emb. 1692 Cu Yds Waste 66 Cu Yds

942.80
189+00
942.7

942.86
188+90
942.7

30"D 30"D
943.55
188+00
942.9

30"D 30"D
944.35
187+00
943.8

30"D 30"D
944.90
186+00
944.3

30"D 30"D
945.20
185+00
944.7

30"D
945.50
184+00
945.0

24"D
945.65
183+32
945.3

945.65
183+00
945.1

End Area Exc	End Area Emb	Cu Yds Exc	Cu Yds Emb
26	3		
		9	1
20	0		
		75	25
25	15		
		83	54
20	14		
		67	63
16	20		
		59	72
16	19		
		56	59
14	13		
		33	38
12	17		
		9	21
3	18		
		4	29

Exc. 416 Cu Yds
Emb 330 Cu Yds
Emb+20% 396 Cu Yds
Borrow 220 Cu Yds

FED. RD. DIST. NO.	STATE	FED. AID PROJ.	FISCAL YEAR	34 54
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S.H. 330 SEC. D
TRUMBULL CO.

	End Area Exc	End Area Emb	Cu Yds Exc	Cu Yds Emb
	24	32		
			83	98
	21	21		
			72	76
	18	20		
			65	63
	17	14		
			60	56
	10	16		
			22	72
	2	23		
			35	85
	17	23		
			63	72
	17	16		
			67	65
	19	19		
			82	67
	25	17		
			94	37

Cu Yds Emb. 720% 1898 1013
Cu Yds Borrow
Exc. 885
Emb. 1682

End Area Exc	End Area Emb	Cu Yds Exc	Cu Yds Emb
2	48		
		1	51
1	63		
		5	22
25	45		
		53	82
32	43		
		78	180
10	54		
		24	215
3	58		
		1	54
0	58		
		13	140
9	43		
		31	69
24	32		
		44	59

FED. RD. DIST. NO.	STATE	FED. AID PROJ.	FISCAL YEAR
10	OHIO		1970

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S.H. 330 SEC. D
TRUMBULL CO.

	End Area Exc	End Area Emb	Cu Yds Exc	Cu Yds Emb
	15	18		
			54	72
	14	21		
			52	80
	14	22		
			59	72
	18	17		
			63	72
	16	22		
			76	80
	25	21		
			45	41
	21	23		
			45	45
	25	26		
			48	38
	2	15		
			31	38
	6	26		
			2	19

	End Area Exc	End Area Emb	Cu Yds Exc	Cu Yds Emb
	5	32		
			15	59
	11	32		
			21	57
	12	30		
			52	102
	16	25		
			52	87
	12	22		
			39	82
	9	22		
			52	76
	19	19		
			56	72
	11	20		
			33	83
	7	25		
			41	80

Exc. 834 Cu Yds Emb + 20% Cu Yds Borrow
Emb 1236

449 Cu Yds

203 + 86

FED. RD. DIST. NO.	STATE	FED. AID PROJ.	FISCAL YEAR	36 / 54
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S.H. 330 SEC. D
TRUMBULL CO.

End Area Exc	End Area Emb	Cu Yds Exc	Cu Yds Emb
2	40		
		7	64
5	29		
		11	46
7	21		
		13	38
7	20		
		11	44
5	27		
		7	57
3	34		
		7	60
5	31		
		8	72
4	47		
		6	84
2	44		
		5	71
3	33		
		7	60

Exc. 83 Cu Yds Emb. 764 Cu Yds
Emb. 637 Cu Yds Borrow 681 Cu Yds

931.60
224 + 00
930.2
30"D

931.85
223 + 50
930.7
30"D

932.10
223 + 00
931.2
30"D

932.35
222 + 50
931.5
30"D

932.60
222 + 00
931.5
30"D

932.85
221 + 50
931.6
30"D

933.10
221 + 00
932.1
30"D

933.35
220 + 50
931.7
30"D

933.60
220 + 00
930.9
30"D

933.80
219 + 50
932.5
30"D

929.35
228 + 50
930.4
30"D

929.60
228 + 00
930.5
30"D

929.85
227 + 50
929.6
30"D

930.10
227 + 00
932.0
30"D

930.35
226 + 50
929.4
30"D

930.60
226 + 00
929.7
30"D

930.85
225 + 50
929.4
36"D
42"

931.10
225 + 00
929.2
30"D

931.35
224 + 50
929.7
30"D

224 + 25

End Area Exc	End Area Emb	Cu Yds Exc	Cu Yds Emb
62	3		
		119	3
67	0		
		111	0
53	0		
		79	9
32	10		
		44	22
15	14		
		24	27
11	15		
		15	48
5	37		
		7	88
3	58		
		4	98
1	48		
		3	82
		1	

Exc. 905 Cu Yds Emb 720 & 903 Cu Yds
Emb. 336 Cu Yds Waste 2 Cu Yds

Fed. Rd Dist. No.	State	Fed. Aid Proj.	Fiscal Year
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S.H. 330 SEC. D
TRUMBULL CO.

30"D
927.10
233+00
927.9
30"D

30"D
927.35
232+50
927.4
30"D

30"D
927.60
232+00
926.3
30"D

30"D
927.85
231+50
928.0
30"D

928.10
231+00
928.6

928.30
230+60
929.0
925.0

926.1
928.41
230+38
929.1

926.7
928.60
230+00
929.3
30"D

928.85
229+50
929.7
30"D

929.10
229+00
930.1
30"D

926.10
239+00
918.2

925.60
238+00
922.3

30"D
925.35
237+00
924.5
30"D

925.60
236+00
928.6
30"D

30"D
925.85
235+50
928.8
30"D

30"D
926.10
235+00
927.9
30"D

30"D
926.35
234+50
927.8
30"D

30"D
926.60
234+00
927.9
30"D

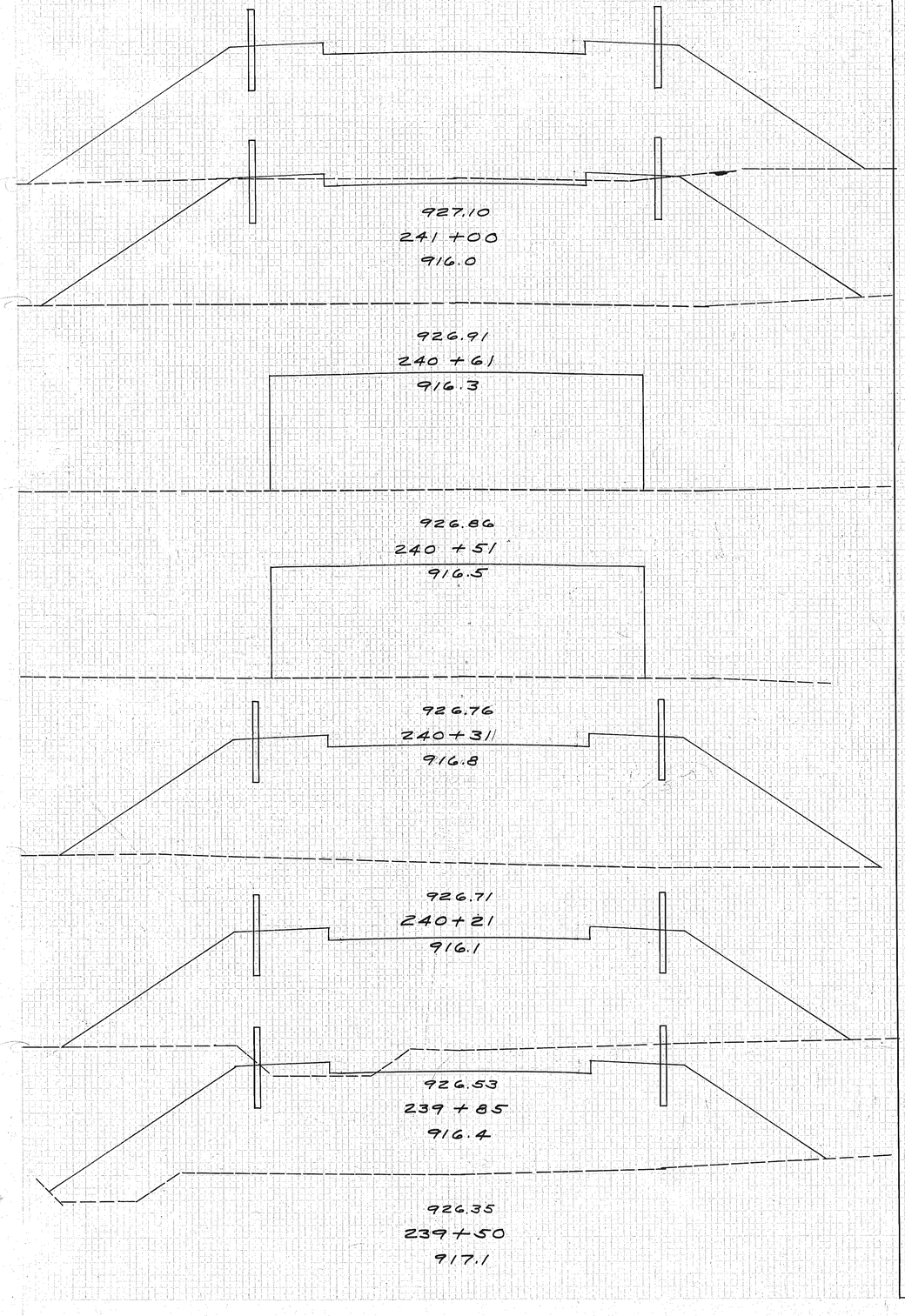
30"D
926.85
233+50
927.8
30"D

Station	End Area Exc	End Area Emb	Cu Yds Exc	Cu Yds Emb
233+00	7	0		
			188	7
232+50	55	8		
			87	12
232+00	39	5		
			59	19
231+50	25	16		
			43	34
231+00	21	21		
			36	34
230+60	28	25		
			24	18
230+38	31	20		
			54	23
230+00	4	12		
			98	19
229+50	60	8		
			114	15
229+00	63	8		
			116	10
239+00			0	332
			0	809
238+00			0	105
			35	209
237+00			19	8
			413	15
236+00			204	0
			368	0
235+50			193	0
			297	0
235+00			128	0
			221	0
234+50			111	0
			206	0
234+00			111	0
			188	0
233+50			92	0
			157	0

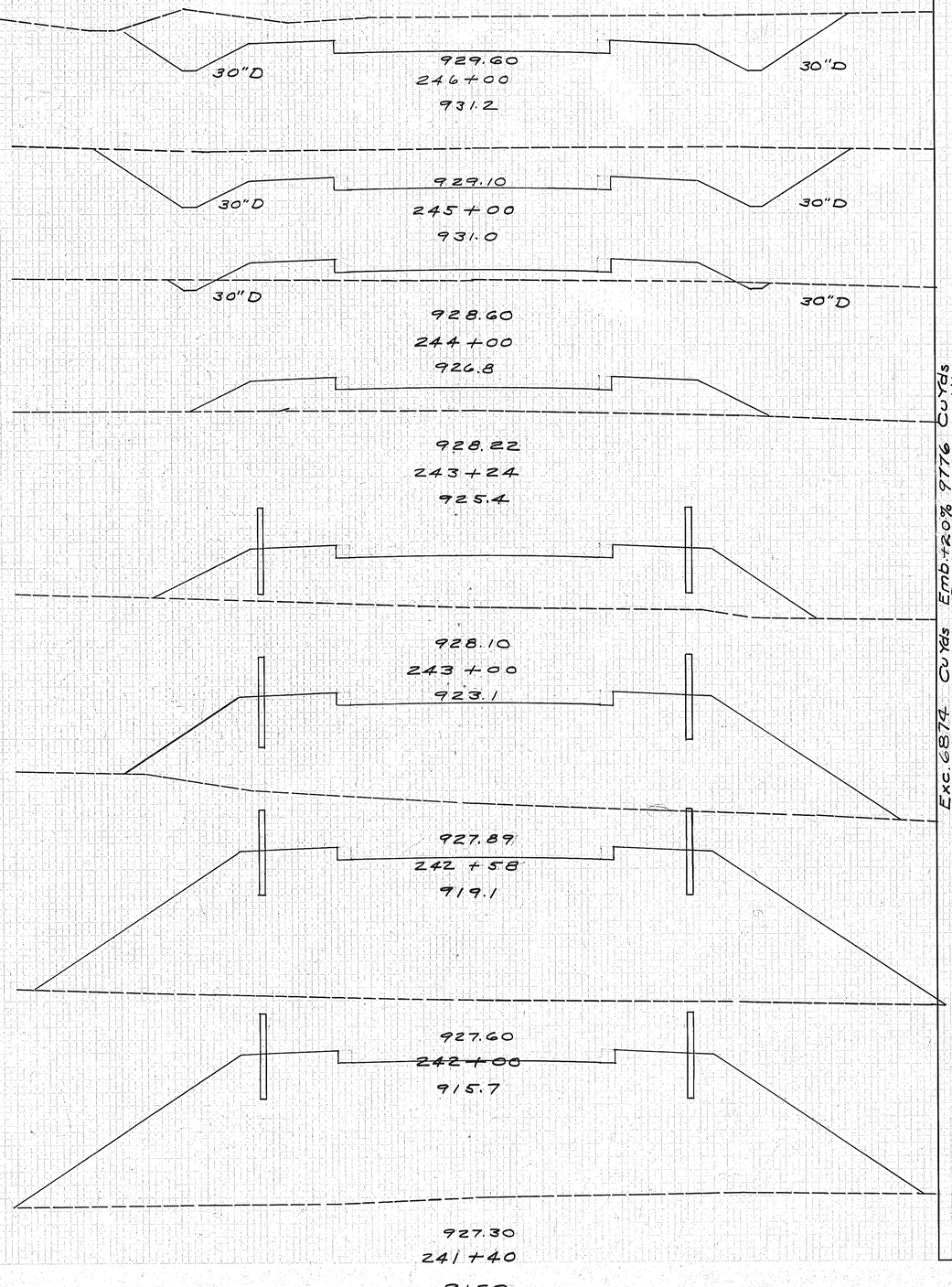
FED. RD. DIST. NO.	STATE	FED. AID PROJ.	FISCAL YEAR
10	OHIO		1930

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S.H. 330 SEC. D
TRUMBULL CO.



End Area Exc	End Area Emb	Cu Yds Exc	Cu Yds Emb
0	532		
		0	754
0	512		
		0	146
0	278		
		0	268
		0	142
0	500		
		0	653
0	479		
		0	585
0	424		
		0	700



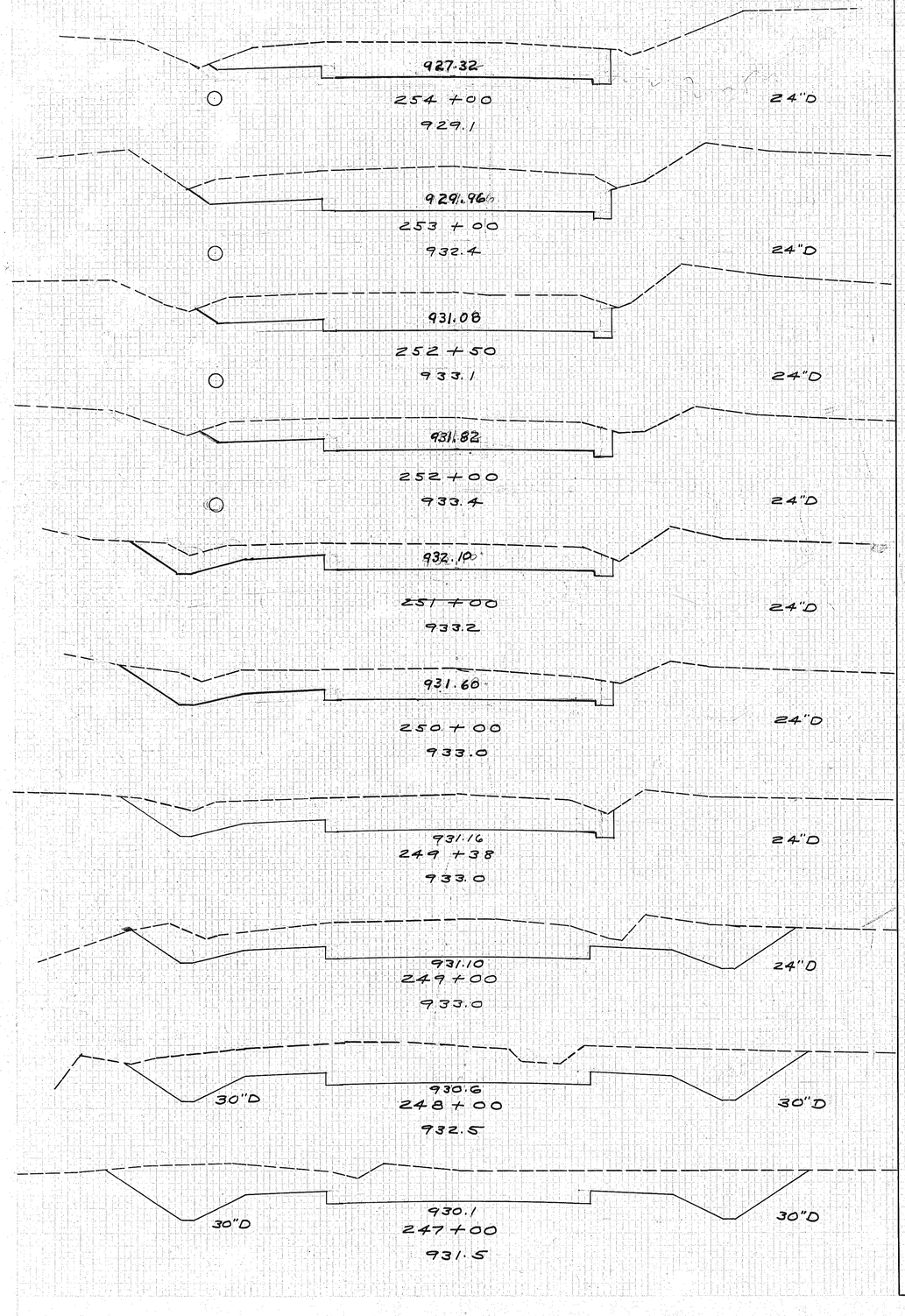
End Area Exc	End Area Emb	Cu Yds Exc	Cu Yds Emb
13.9	0		
		556	0
161	0		
		304	72
3	39		
		4	172
0	83		
		0	117
0	179		
		0	431
0	375		
		0	1037
0	590		
		0	1293
0	574		
		0	819

Exc. 6874 Cu Yds
Emb. 8147 Cu Yds
Emb. 120% Borrow 2902 Cu Yds
9776 Cu Yds

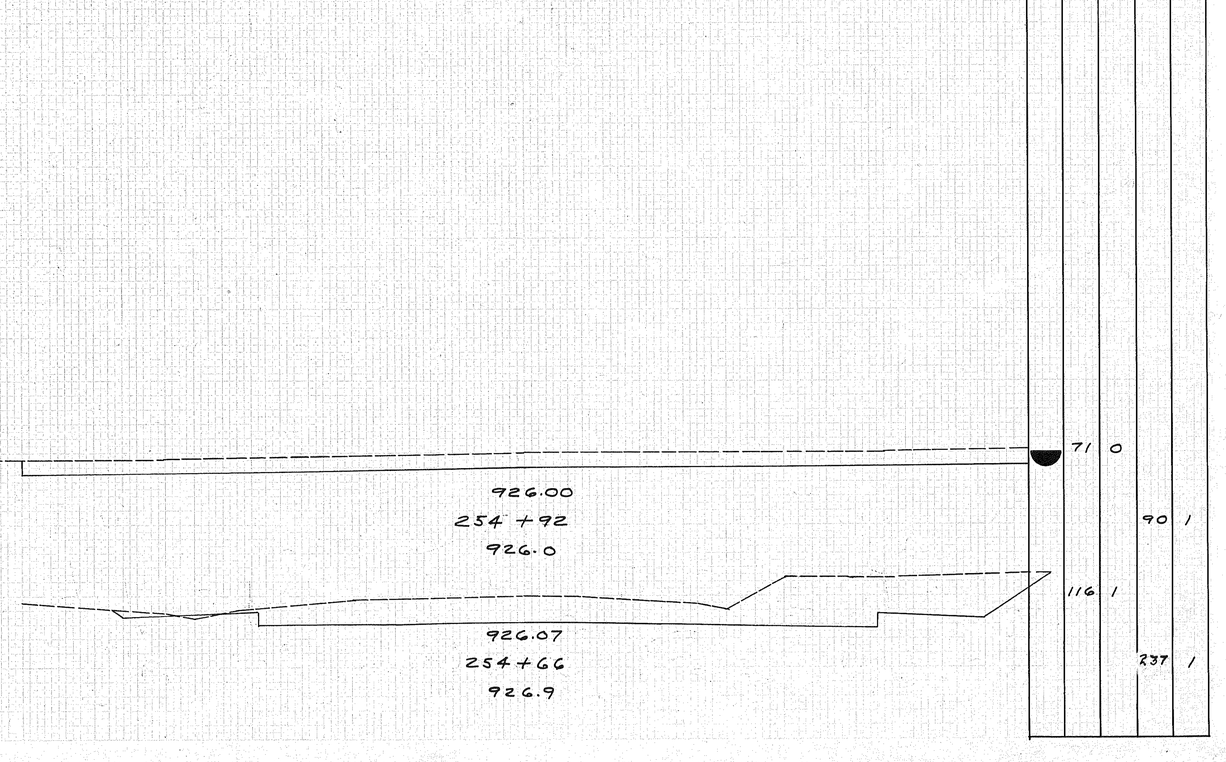
Fed. Rd. Dist No.	State	Fed Aid Proj.	Fiscal Year
10	Ohio		1930

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S.H. 330 SEC. D
TRUMBULL CO.



End Area Exc	End Area Emb	Cu Yds Exc	Cu Yds Emb
78	0		
		324	0
97	0		
		174	0
91	0		
		153	0
74	0		
		267	0
70	0		
		278	0
80	0		
		194	0
89	0		
		148	0
121	0		
		483	0
140	0		
		513	0
137	0		
		511	0
71	0		
			90 1
116	1		
			237 1



Fed. Rd. Dist. No°	State	Fed. Aid Project	Fiscal Year
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S.H. 330 TRUMBULL — Sec. D COUNTY

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CHANNEL CHANGE
Sta. 155+00 to 160+00

℄ Channel — 140' — ℄ Pav.

Channel Grade 936.05

947.40
157+50
991.7

Channel Grade 936.1

946.65
157+00
943.0

156+82
941.8

156+65
937.1

Channel Grade 936.15

945.90
156+45
940.5

156+35
939.6

Channel Grade 936.2

156+00
940.1

Channel Grade 936.25

945.07
155+50
942.7

Channel Grade 936.3

945.17
155+00
944.3

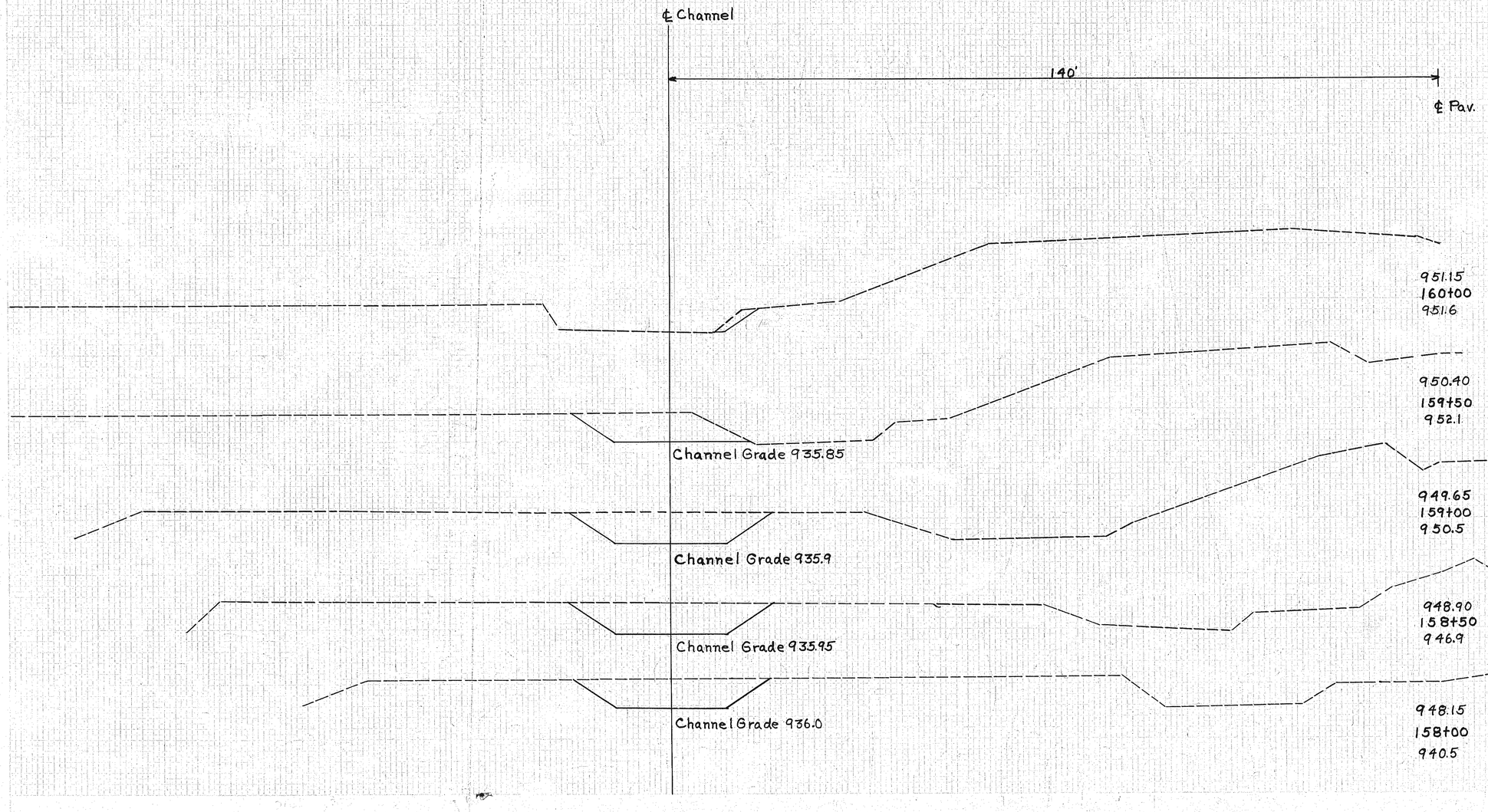
	End Area Exc.	End Area Emb.	Cu. Yds. Exc.	Cu. Yds. Emb.
159				
			188	
44				
			76	
31				
			97	
25				
			56	
35				
			32	
0				

Fed. Rd. Dist. No.	State	Fed. Aid. Project	Fiscal Year
10	OHIO		1930

41/54

S.H. 330 TRUMBULL — Sec. D COUNTY

CHANNEL CHANGE
Sta. 155+00 to 160+00



	End Area Exc.	End Area Emb.	Cu. Yds. Exc.	Cu. Yds. Emb.
	10			128
	128			273
	167			310
	168			295
	150			286

Total = 1691 Cu. Yds.

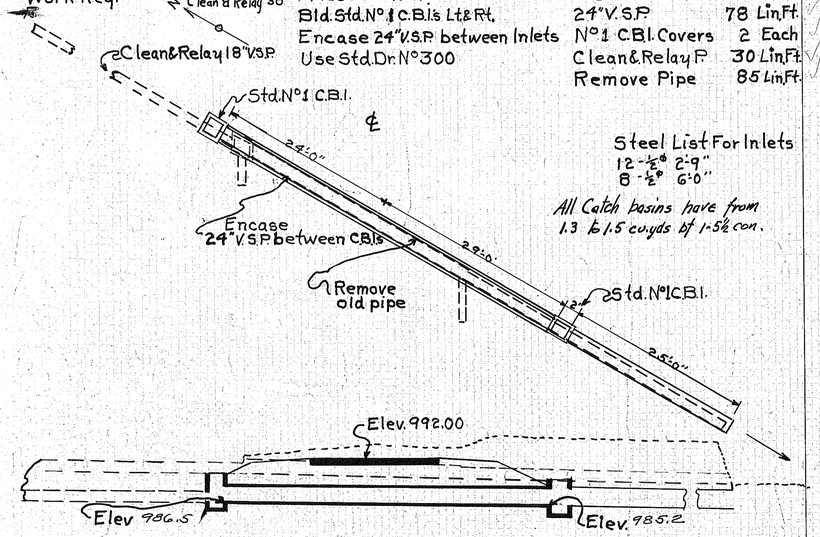
Material	OLD V.S. Pipe	New V.S. Pipe
Type		
Size	12"-18"-24"	24"
Length	10' 70' 35	78
Work Req.	Remove pres. P. 85' Clean & Relay 30	Place 24" V.S.P. X 78'
	Clean & Relay 18" V.S.P.	Bld. Std. N° 1 C.B.I.s Lt & Rt.
		Encase 24" V.S.P. between Inlets
		Use Std. Dr. N° 300

Estimated Quantities

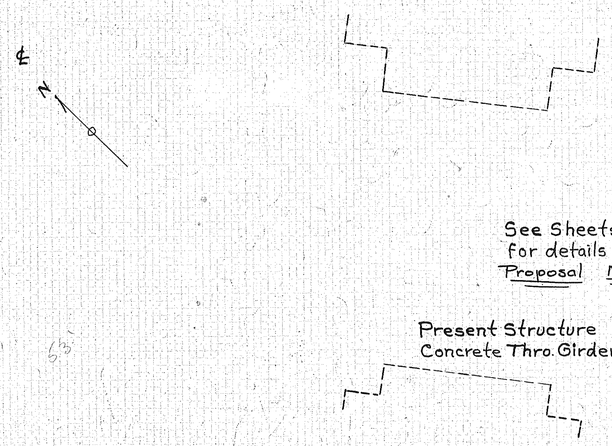
Excavation	130 Cu. Yds.
Concrete (1-8)	10.7 Cu. Yds.
Concrete (1-5½)	3.0 Cu. Yds.
Rein. Steel	54 Lbs.
24" V.S.P.	78 Lin. Ft.
N° 1 C.B.I. Covers	2 Each
Clean & Relay P.	30 Lin. Ft.
Remove Pipe	85 Lin. Ft.

Steel List For Inlets
12 - ½ø 2'-9"
8 - ½ø 6'-0"

All Catch basins have from 1.3 to 1.5 cu. yds of 1-5½ con.



Sta 29+39 ②



Sta. 36+00 ④

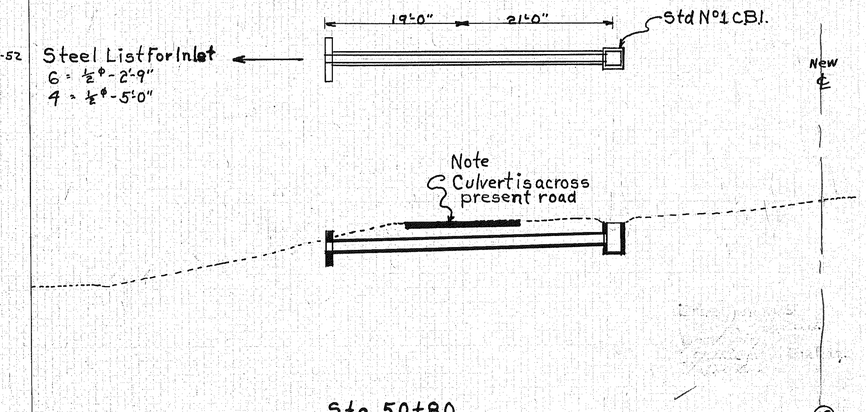
Material	New V.S. Pipe
Type	
Size	15"
Length	39'
Work Req.	Bld. Std. 15"x39" V.S.P. with N° 1 C.B.I. Rt. & Std. H.W. Lt. Use Std. Dr. N° 300

FED. RD. DIST. N°	STATE	FED. AID PROJECT	FISCAL YEAR
10	OH10		1930

S.H. 330 Sec. D
Trumbull Co.

Estimated Quantities

Excavation	25 Cu. Yds.
Concrete (1-8)	9.8 Cu. Yds.
Concrete (1-5½)	2.5 Cu. Yds.
Rein. Steel	59 Lbs.
15" V.S.P.	39 Lin. Ft.
N° 1 C.B.I. covers	1 Each

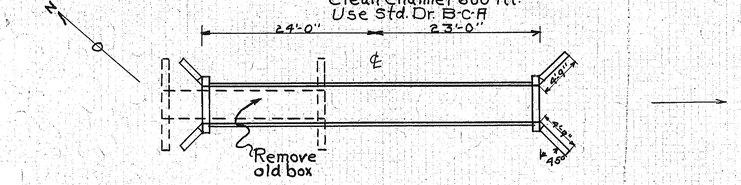


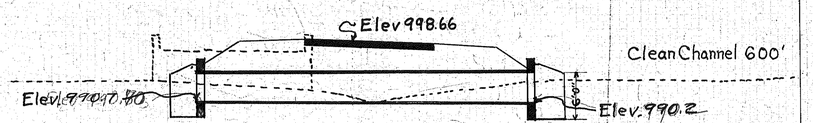
Sta 50+80 ⑥

Material	OLD Concrete	New Concrete
Type	Box	Box
Size	4'x3'	5'x4'
Length	22'5	47'
Work Req.	Remove present box	Bld. Std. 5'x4' Conc. box
		Clean Channel 600' Rt.
		Use Std. Dr. B-C-A

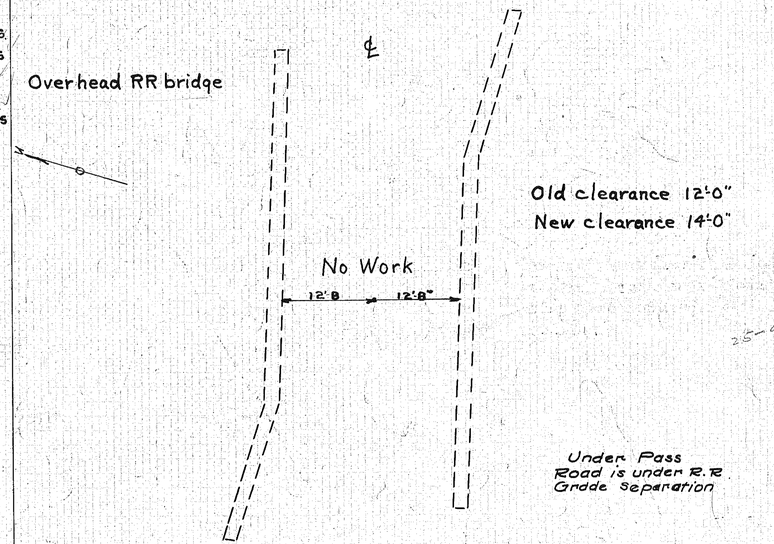
Estimated Quantities

Excavation	75 Cu. Yds.
Concrete (1-5½)	32.1 Cu. Yds.
Rein. Steel	2793 Lbs.
Channel Exca.	40 Cu. Yds.





Sta 18+64 ①

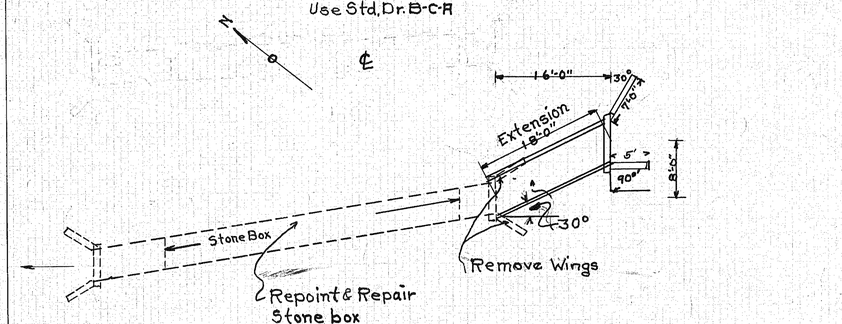


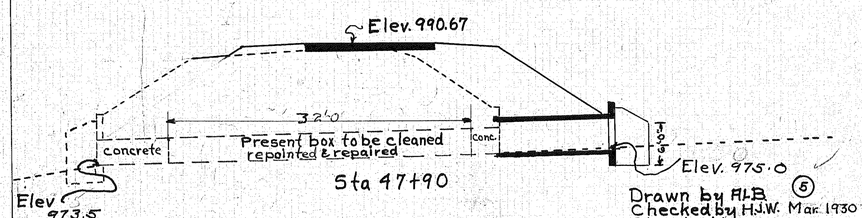
Sta 29+84 ③

Material	OLD Stone-Concrete	New Concrete
Type	Box	Box
Size	3.5x4.5	5'x4'
Length	57'	18'
Work Req.	Repoint & Repair	Ext. with 5'x4'x18' Conc. box
		Use Std. Dr. B-C-A

Estimated Quantities

Excavation	20 Cu. Yds.
Concrete (1-5½)	13.1 Cu. Yds.
Rein. Steel	1101 Lbs.
Repoint & Repair	91 Sq. Yds.



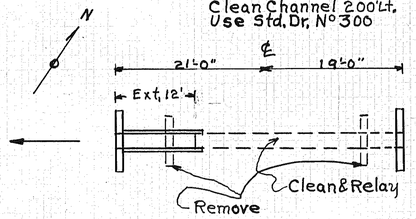


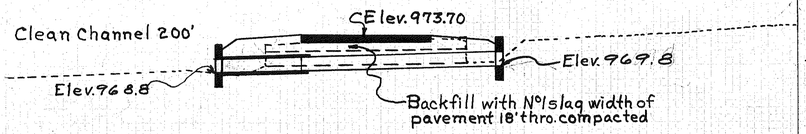
Sta 47+90 ⑤

Drawn by A.L.B.
Checked by H.J.W. Mar. 1930
Checked by Div. Eng.

Material	OLD	New
Type	C.I.	V.S.
Size	Pipe	Pipe
Length	24"	24"
Work Req.	28'	40'
	Clean & Relay C.I.P.	Ext with Std. 24" V.S.P. x 12' Lt. Bld. Std. 24" V.S.P. H.W.s. Clean Channel 200' Lt. Use Std. Dr. N° 300

Estimated Quantities	
Excavation	30 Cu. Yds.
Concrete (1-8)	2.5 Cu. Yds.
Concrete (1-5½)	3.5 Cu. Yds.
Rein. Steel	105 Lbs.
24" V.S.P.	12 Lin. Ft.
Clean & Relay C.I.P.	28 Lin. Ft.
Channel Exca.	10 Cu. Yds.
N°1 Slag backfill	5 Cu. Yds.

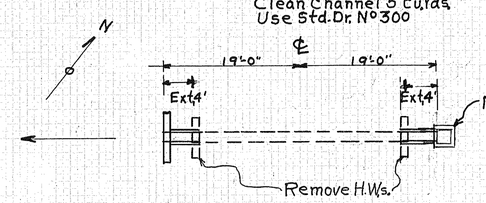




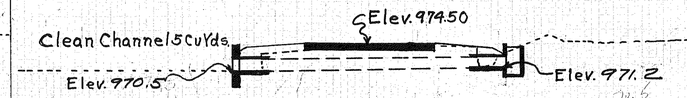
Sta 81+05 (8)

Material	OLD	New
Type	C.I.	V.S.
Size	Pipe	Pipe
Length	18"	18'
Work Req.	30'	38
	Clean C.I.P.	Ext with Std. 18' V.S.P. x 4' Lt. & Rt. Bld. Std. 18" V.S.P. H.W. Lt. N°2 CB. Rt. Clean Channel 5 Cu. Yds. Use Std. Dr. N° 300

Estimated Quantities	
Excavation	10 Cu. Yds.
Concrete (1-8)	1.2 Cu. Yds.
Concrete (1-5½)	3.0 Cu. Yds.
Rein. Steel	64 Lbs.
18" V.S.P.	8 Lin. Ft.
Clean Pipe	30 Lin. Ft.
Channel Exca.	5 Cu. Yds.
N°2 C.B. I. cover	1 Each



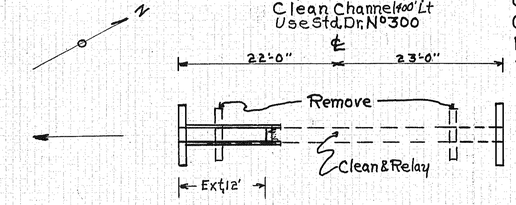
Steel List For Inlet
6 - ½ϕ : 2'-9"
4 - ½ϕ : 5'-0"

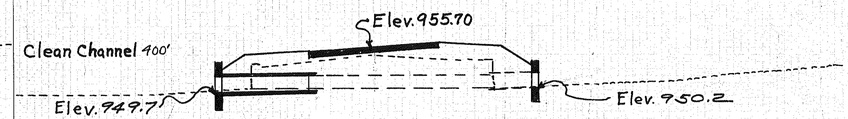


Sta 87+38 (10)

Material	OLD	New
Type	C.I.	V.S.
Size	Pipe	Pipe
Length	24"	24"
Work Req.	33'	45'
	Clean & Relay	Ext with Std. 24" x 12' V.S.P. Lt. Bld. Std. 24" V.S.P. H.W.s. Clean Channel 400' Lt. Use Std. Dr. N° 300

Estimated Quantities	
Excavation	40 Cu. Yds.
Concrete (1-8)	2.5 Cu. Yds.
Concrete (1-5½)	3.5 Cu. Yds.
Rein. Steel	105 Lbs.
24" V.S.P.	12 Lin. Ft.
Clean & Relay C.I.P.	33 Lin. Ft.
Channel Exca.	30 Cu. Yds.





Sta 104+92 (12)

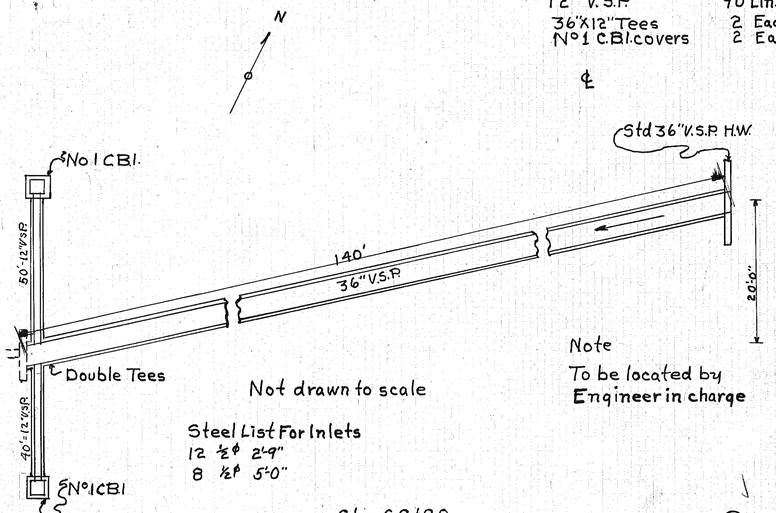
FED RD DIST. N°	STATE	FED AID PROJECT	FISCAL YEAR
10	OH10		1930

SH 330 TRUMBULL Co. Sec D

43/54

Material	New
Type	V.S.
Size	Pipe
Length	12"- 36"
Work Req.	90'- 140'
	Bld. Std. V.S.P. Culvert as shown Use Std. Dr. N° 300

Estimated Quantities	
Excavation	100 Cu. Yds.
Concrete (1-8)	55.6 Cu. Yds.
Concrete (1-5½)	5.9 Cu. Yds.
Rein. Steel	138 Lbs.
36" V.S.P.	136 Lin. Ft.
12" V.S.P.	90 Lin. Ft.
36"X12" Tees	2 Each
N°1 C.B.I. covers	2 Each



Not drawn to scale

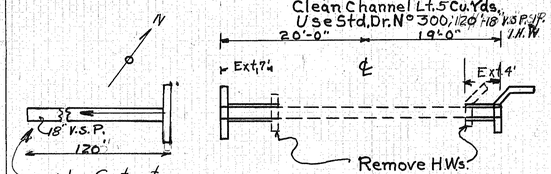
Note
To be located by Engineer in charge

Steel List For Inlets
12 ½ϕ 2'-9"
8 ½ϕ 5'-0"

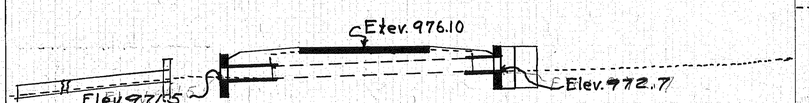
Sta 69+90 (7)

Material	OLD	New
Type	C.I.-V.S.	V.S.
Size	Pipe	Pipe
Length	20"	20"
Work Req.	28'	39'
	Clean Pipe	Ext with Std. 20" V.S.P. x 4' Rt. & 7' Lt. Bld. Std. 20" V.S.P. H.W. Lt. & sideroad Rt. Clean Channel Lt. 5 Cu. Yds. Use Std. Dr. N° 300, 120' 18" V.S.P. to I.H.W.

Estimated Quantities	
Excavation	30 Cu. Yds.
Concrete (1-8)	1.9 Cu. Yds.
Concrete (1-5½)	5.0 Cu. Yds.
Rein. Steel	120 Lbs.
20" V.S.P.	11 Lin. Ft.
Clean Pipe	28 Lin. Ft.
18" V.S.P.	120 Lin. Ft.
Skew headwall to fit sideroad	



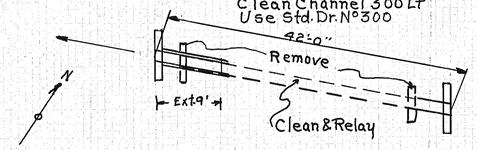
Note Contractor to furnish and cover pipe with earth.

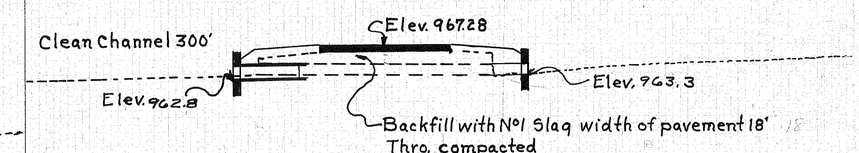


Sta. 85+44 (9)

Material	OLD	New
Type	C.I.	V.S.
Size	Pipe	Pipe
Length	18"	18"
Work Req.	33'	42'
	Clean & Relay C.I.P.	Ext with Std. 18" V.S.P. x 9' Lt. Bld. Std. 18" V.S.P. H.W.s. Clean Channel 300' Lt. Use Std. Dr. N° 300

Estimated Quantities	
Excavation	25 Cu. Yds.
Concrete (1-8)	1.4 Cu. Yds.
Concrete (1-5½)	2.7 Cu. Yds.
Rein. Steel	80 Lbs.
18" V.S.P.	9 Lin. Ft.
Clean & Relay C.I.P.	33 Lin. Ft.
Channel Exca.	10 Cu. Yds.
N°1 Slag backfill	5 Cu. Yds.



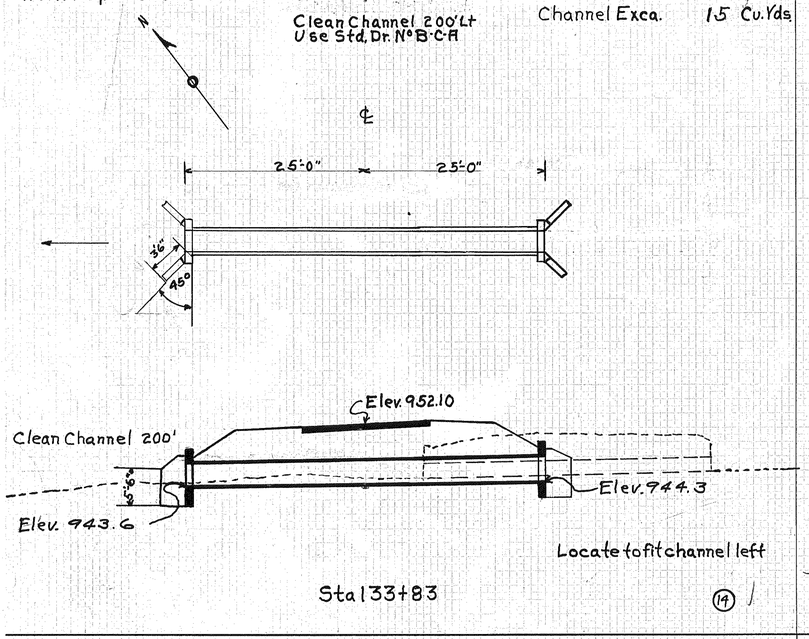


Sta 93+05 (11)

Drawn by A.L.B.
Checked by H.J.W
Checked
Mar. 1930
Div. Eng.

Material	OLD	New
Type	Concrete Box	Concrete Box
Size	3'x2'	3'x3'
Length	40'	50'
Work Req.	Remove old box	Bld.Std.3'x3'Conc. box x50'
		Clean Channel 200'Lt Use Std. Dr. N° B-C-A

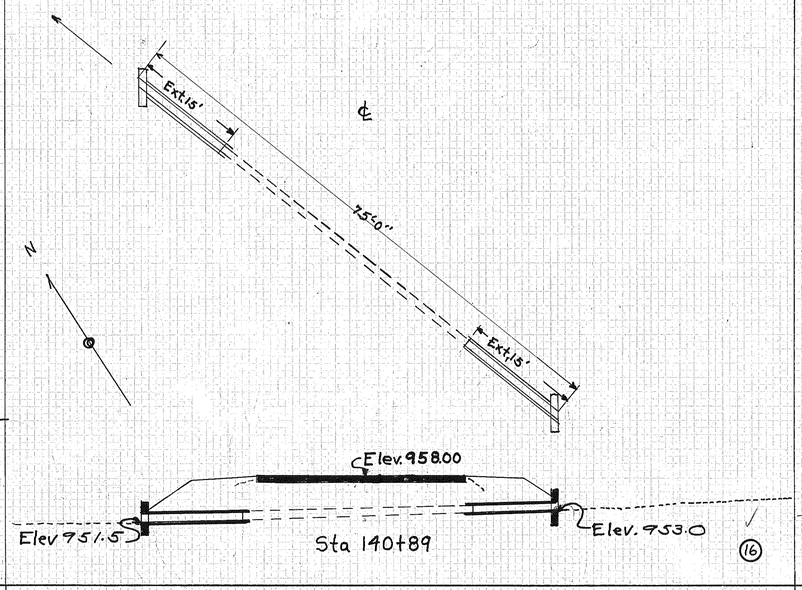
Estimated Quantities	
Excavation	90 Cu.Yds.
Concrete (1-5½)	21.1 Cu.Yds.
Rein. Steel	1780 Lbs.
Channel Exca.	1.5 Cu.Yds.



Sta 133+83 (19)

Material	OLD	New
Type	V.S. Pipe	V.S. Pipe
Size	12"	12"
Length	45'	30'
Work Req.	Clean V.S.P.	Ext. with Std. 12" V.S.P. x 15'Lt & Rt. Bld. Std. 12" V.S.P. H.W.s. Use Std. Dr. N° 300

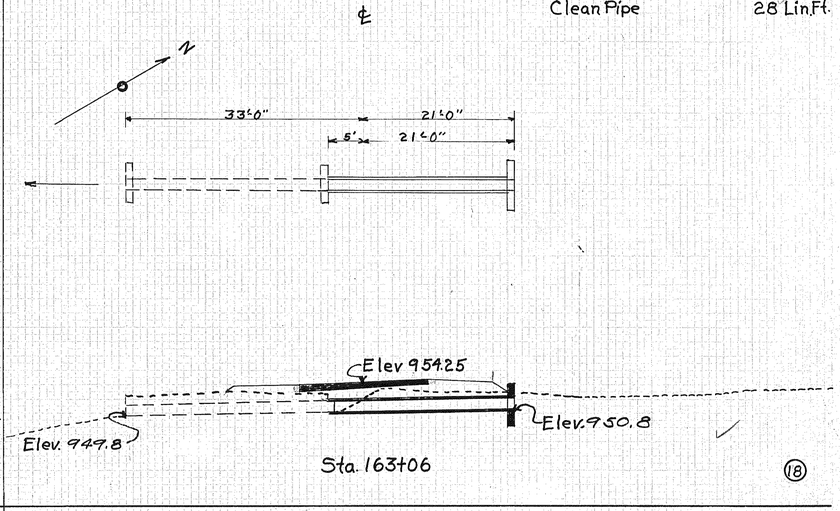
Estimated Quantities	
Excavation	20 Cu.Yds.
Concrete (1-8)	3.2 Cu.Yds.
Concrete (1-5½)	2.0 Cu.Yds.
Rein. Steel	65 Lbs.
12" V.S.P.	30 Lin.Ft.
Clean V.S.P.	45 Lin.Ft.



Sta 140+89 (16)

Material	OLD	New
Type	C.I. Pipe	V.S. Pipe
Size	18"	18"
Length	28'	54'
Work Req.	Clean C.I.P.	Ext. with Std. 18" V.S.P. x 21' Rt. & 5 Lt. Bld. Std. 18" V.S.P. H.W. Rt. Use Std. Dr. N° 300

Estimated Quantities	
Excavation	20 Cu.Yds.
Concrete (1-8)	3.9 Cu.Yds.
Concrete (1-5½)	1.4 Cu.Yds.
Rein. Steel	40 Lbs.
18" V.S.P.	26 Lin.Ft.
Clean Pipe	28 Lin.Ft.



Sta. 163+06 (18)

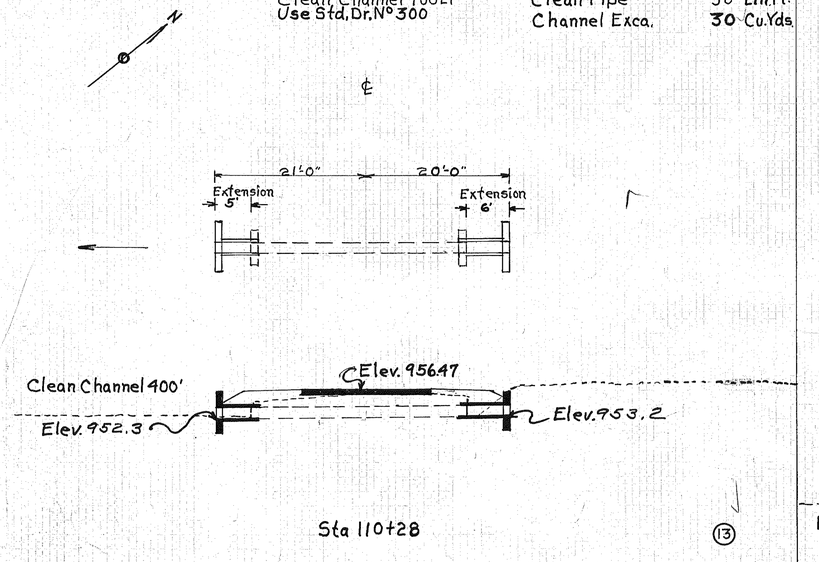
FED RD DIST N°	STATE	FED AID PROJECT	FISCAL YEAR
10	OHIO		1930

S.H. 330 TRUMBULL Sec. D Co.

(44/54)

Material	OLD	New
Type	C.I. Pipe	V.S. Pipe
Size	18"	18"
Length	30'	41'
Work Req.	Clean C.I.P.	Ext. with Std. 18" V.S.P. 5'Lt & 6'Rt. Bld. Std. 18" V.S.P. H.Ws. Clean Channel 400'Lt Use Std. Dr. N° 300

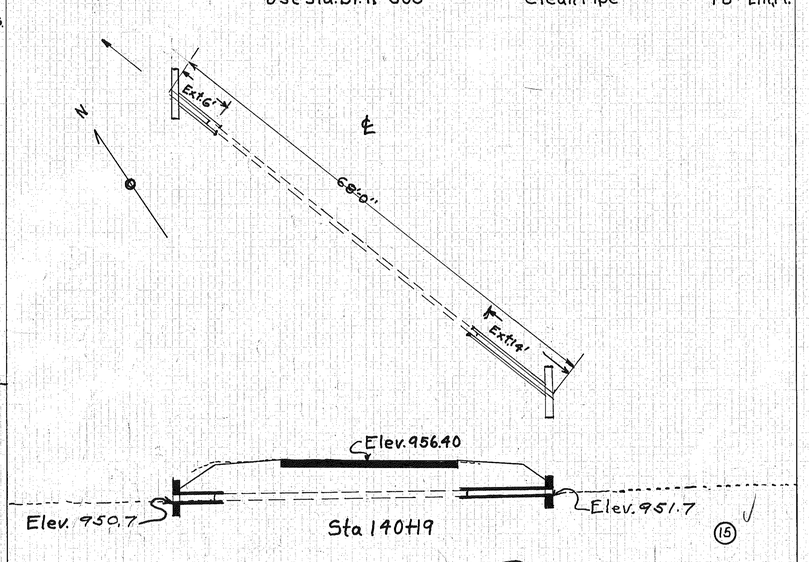
Estimated Quantities	
Excavation	10 Cu.Yds.
Concrete (1-8)	1.7 Cu.Yds.
Concrete (1-5½)	2.7 Cu.Yds.
Rein. Steel	80 Lbs.
18" V.S.P.	11 Lin.Ft.
Clean Pipe	30 Lin.Ft.
Channel Exca.	30 Cu.Yds.



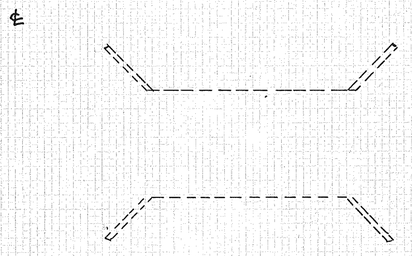
Sta 110+28 (13)

Material	OLD	New
Type	V.S. Pipe	V.S. Pipe
Size	12"	12"
Length	48'	68'
Work Req.	Clean V.S.P.	Ext. with Std. 12" V.S.P. 6'Lt. 14'Rt. Bld. Std. V.S.P. H.Ws. Use Std. Dr. N° 300

Estimated Quantities	
Excavation	15 Cu.Yds.
Concrete (1-8)	2.2 Cu.Yds.
Concrete (1-5½)	2.0 Cu.Yds.
Rein. Steel	65 Lbs.
12" V.S.P.	20 Lin.Ft.
Clean Pipe	48 Lin.Ft.



Sta 140+19 (15)



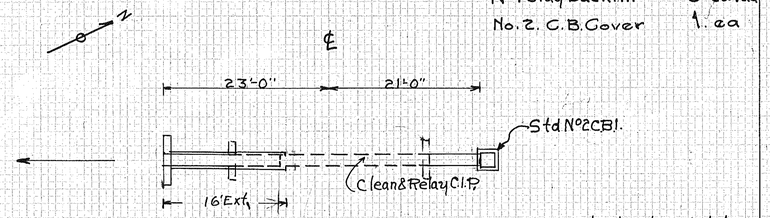
See Sheet N° 47 for detail of structure

Sta 156+60

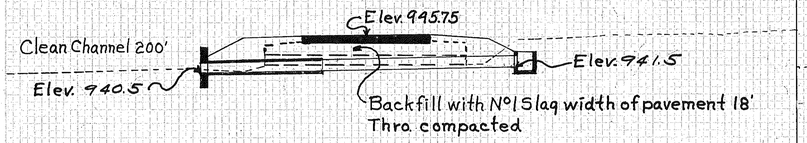
Drawn by A.L.B. (17)
Checked by H.J.W. Mar 1930
Checked by
Div. Eng.

Material	OLD C.I.	New V.S.
Type	Pipe	Pipe
Size	18"	18"
Length	28'	44'
Work Req.	Clean&Relay C.I.P	Ext.with Std.18"V.S.P x 16'Lt Bld.Std.18"V.S.P H.W.Lt & Std N°2 C.B.I.Rt Clean Channel 200'Lt Use Std. Dr. N°300

Estimated Quantities	
Excavation	20 Cu.Yds.
Concrete (1-8)	2.5 Cu.Yds.
Concrete (1-5½)	3.0 Cu.Yds.
Rein. Steel	64 Lbs.
18" V.S.P.	16 Lin.Ft.
Clean&Relay C.I.P	28 Lin.Ft.
Channel Exca	15 Cu.Yds.
N°1 Slag backfill	5 Cu.Yds.
No. 2. C.B. Cover	1. ea



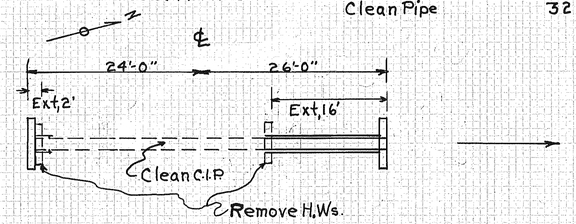
Steel List For Inlet
6 ½"ϕ 2'-9"
4 ½"ϕ 4'-0"

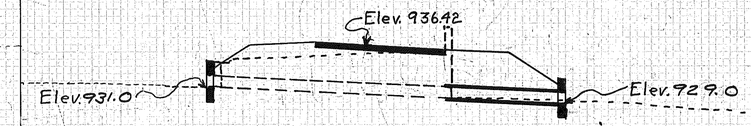


Sta 181+26 (20)

Material	OLD C.I.	New V.S.
Type	Pipe	Pipe
Size	18"	18"
Length	32'	50'
Work Req.	Clean C.I.P	Ext.with Std.18"V.S.P 2'Lt 16'Rt. Bld.Std.18"V.S.P H.Ws. Use Std. Dr N°300

Estimated Quantities	
Excavation	5 Cu.Yds.
Concrete (1-8)	2.8 Cu.Yds.
Concrete (1-5½)	2.7 Cu.Yds.
Rein. Steel	80 Lbs.
18" V.S.P.	18 Lin.Ft.
Clean Pipe	32 Lin.Ft.

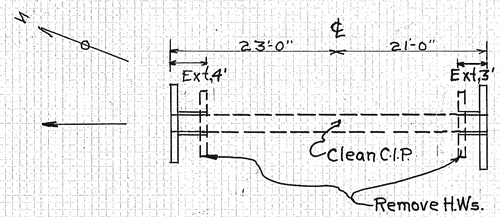


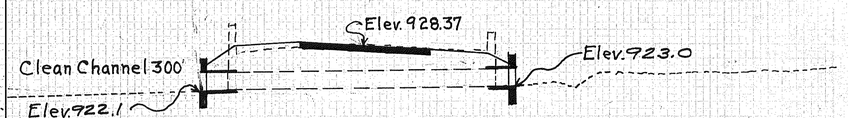


Sta 203+69 (22)

Material	OLD C.I.	New V.S
Type	Pipe	Pipe
Size	30"	30"
Length	37'	44'
Work Req.	Clean C.I.P	Ext.with Std.30"V.S.P 4'Lt. 3'Rt. Bld. Std. 30"V.S.P H.Ws. Clean Channel 300'Lt Use Std. Dr. N° 300

Estimated Quantities	
Excavation	100 Cu.Yds.
Concrete (1-8)	1.9 Cu.Yds.
Concrete (1-5½)	4.6 Cu.Yds.
Rein. Steel	125 Lbs.
Clean Pipe	37 Lin.Ft.
30" V.S.P	7 Lin.Ft
Channel Exca.	15 Cu.Yds





Sta 230+47 (24)

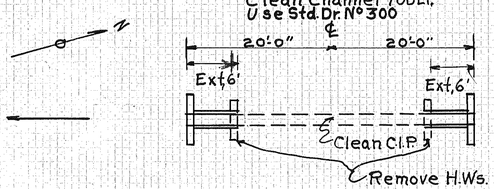
Fed Rd Dist N°	State	Fed Rid Project	Fiscal Year
10	OHIO		1930

S.H. 330 Sec. D
Trumbull Co.

45/54

Material	OLD C.I.	New V.S.
Type	Pipe	Pipe
Size	18"	18"
Length	28	40
Work Req.	Clean C.I.P	Ext. with Std. 18"V.S.P 6'Lt & Rt. Clean Channel 700 Lt. Use Std. Dr. N° 300

Estimated Quantities	
Excavation	5 Cu.Yds.
Concrete (1-8)	1.8 Cu.Yds.
Concrete (1-5½)	2.7 Cu.Yds.
Rein. Steel	80 Lbs.
18" V.S.P.	12 Lin.Ft.
Clean C.I.P.	28 Lin.Ft.
Channel Exca.	35 Cu.Yds.

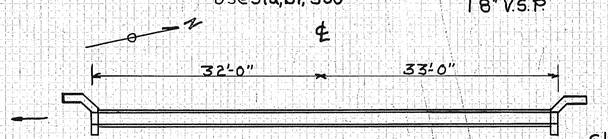




Sta 171+25 (19)

Material	OLD Corr.	New V.S.
Type	Pipe	Pipe
Size	12"x6"	18"
Length		65'
Work Req.		Bld. Std. 18"V.S.P x 65' sideroad Use Std. Dr. 300

Estimated Quantities	
Excavation	35 Cu.Yds.
Concrete (1-8)	9.7 Cu.Yds.
Concrete (1-5½)	3.3 Cu.Yds.
Rein. Steel	70 Lbs.
18" V.S.P.	65 Lin.Ft.



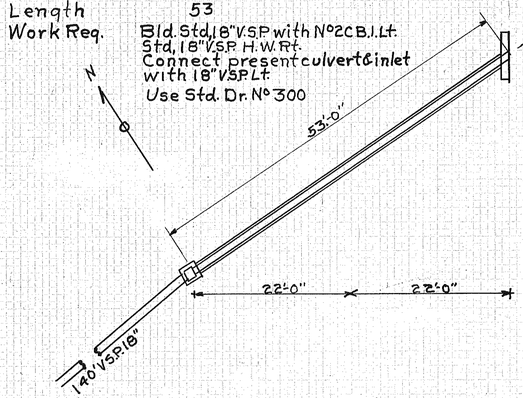
Skew Headwalls to fit berm of road

Note.
locate to fit sideroad

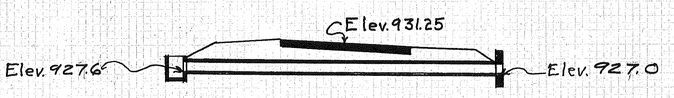
Sta. 188+90 (21)

Material	New V.S
Type	Pipe
Size	18"
Length	53
Work Req.	Bld. Std. 18"V.S.P with N°2 C.B.I. Lt. Std. 18"V.S.P H.W. Rt. Connect present culvert & inlet with 18"V.S.P Lt. Use Std. Dr. N° 300

Estimated Quantities	
Excavation	50 Cu.Yds.
Concrete (1-8)	8.0 Cu.Yds.
Concrete (1-5½)	3.0 Cu.Yds.
Rein. Steel	64 Lbs.
18" V.S.P.	193 Lin.Ft.
N°2 CBI cover	1 Each



Steel List For Inlet
6 ½ϕ 2'-9"
4 ½ϕ 5'-0"



Sta 224+70 (23)

Drawn by A.L.B.
Checked by H.J.W Mar. 1930
Checked by
Div. Eng

Fed. Aid Dist. No	State	Fed. Aid Project	Fiscal Year
10	OH10		1930

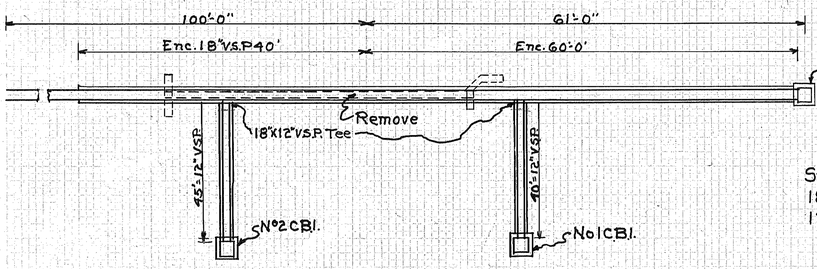
S.H. 330 Sec. D
Trumbull Co.

46/54

Material	OLD C.I.	New V.S.
Type	Pipe	Pipe
Size	8"-10"	12"-18"
Length	28.5-15.5	85'-160'
Work Req.	Remove 44' C.I.P.	Bld. Std. Culvert as shown Use Std. Dr. No 300

Estimated Quantities

Excavation	130 Cu. Yds.
Concrete (1-8)	25.5 Cu. Yds.
Concrete (1-5½)	3.9 Cu. Yds.
Rein. Steel	72 Lbs.
18" V.S.P.	156 Lin. Ft.
12" V.S.P.	85 Lin. Ft.
No 1 C.B.I. covers	2 Each
No 2 C.B.I. covers	1 Each
18"x12" V.S.P. Tee	2 Each
Remove C.I.P.	44 Lin. Ft.



Steel List For Inlets

18 bars	½" ϕ	2'-9"
12 bars	½" ϕ	5'-0"



Drawn by ALB
Checked by H.J.W. Mar. 1930
Checked by
Div. Eng.

Sta 254+81

(26)

See sheet No 48 for Detail of Slab Bridge Sta 240+41

(25)

Fed. Rd. Dist. No°	State	Fed. Aid Project	Fiscal Year	47/54
10	OHIO		1930	

S.H. 330 Sec D
TRUMBULL County

PLAN OF APPROACH SLAB

HALF PLAN WITHOUT SLAB

HALF PLAN WITH SLAB

ELEVATION

HALF SECTION M-M

SECTION N-N

HALF END VIEW INCLUDING SLAB & RAIL

HALF SECTION C-C

TYPE RR4 RAILING

Present Concrete Slab 14'Span tobe removed broken up & placed as rip rap at all 4 wings, (Includes Sub & Super St.) The backfill shall not be placed higher than ½ H. before Slab is in position, Rail shall not be poured until supports for Slab are removed, All exposed edge chamfered Construction Specifications in force on date of contract Shall Govern
Concrete in Slab, Curb & Railing 1-5½ mix
Concrete in footers & walls 1-6½ mix
Channel to be exca, the width of Span 50'Left 100'Rt.
Wet exca. below 938. *Use ½ change of channel.*

Use Std. Dr. S-B 2430 R.R.A & As 2430

REINFORCING STEEL BAR LIST

Mark	Size	Spacing	Shape	Nº Req.	Length	Weight
F4a	⅝"	1'-6"	Straight	64	4'-6"	300
W5a	¾"	1'-3"	Straight	16	9'-0"	216
K4a	⅝"	1'-0"	Straight	64	2'-0"	134
D4a	⅝"	—	Bent	8	9'-0"	75
D5a	¾"	—	Bent	8	8'-3"	100
S6a	⅞"	4½"	Bent	86	19'-0"	3343
T2a	½"	2'-0"	Straight	9	32'-0"	192
					Total	4360

ESTIMATED QUANTITIES

Excavation (Wet) unclassified (includ. pump. dam.	130 Cu. Yds.
Excavation (Dry) unclassified	100 Cu. Yds.
Removal of present structure (incl. placing rip rap,	Lump
Concrete 1-6½ footers	42.8 Cu. Yds.
Concrete 1-6½ walls	83.6 Cu. Yds.
Concrete 1-5½ Super. St.	26.9 Cu. Yds.
Reinforcing Steel	4360 Lbs.
Channel Excavation	100 Cu. Yds.
Approach Slabs L=11'T=8" (1-5½ mix) complete	488 Sq. Yds.
Wearing Surface App. slab & struct.	107.9 Sq. Yds.
Type RR4 Con. Railing	38 Lin. Ft.
¼" Premoulded Exp. Joint Filler	24 Sq. Ft.

SLAB BRIDGE SPAN 16'
Rdy=30' Av. H=14.0' STATION 156+60

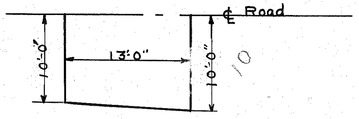
Scale ⅜"=1' Mar. 1930

Dr. Waldeck
Trace AC-TB.

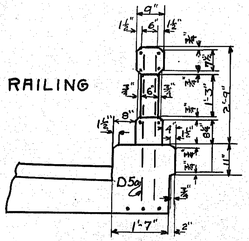
Fed Rd Dist. No	State	Fed Aid Project	Fiscal Year	48 / 54
10	OHIO		1930	

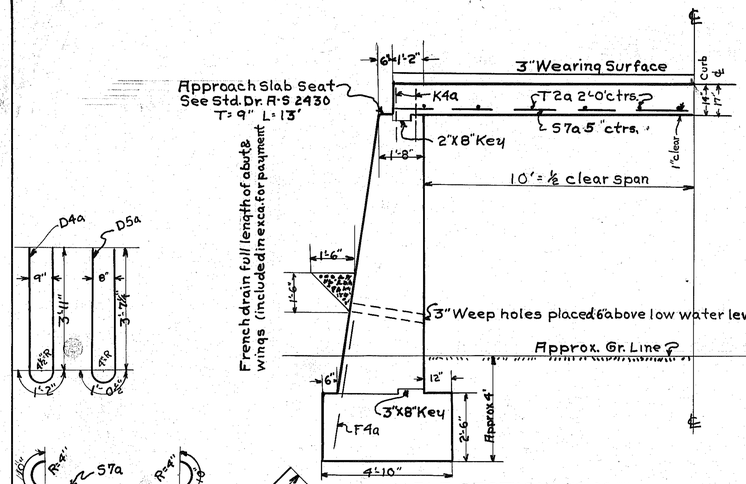
S.H. 330 TRUMBULL — Sec. D County

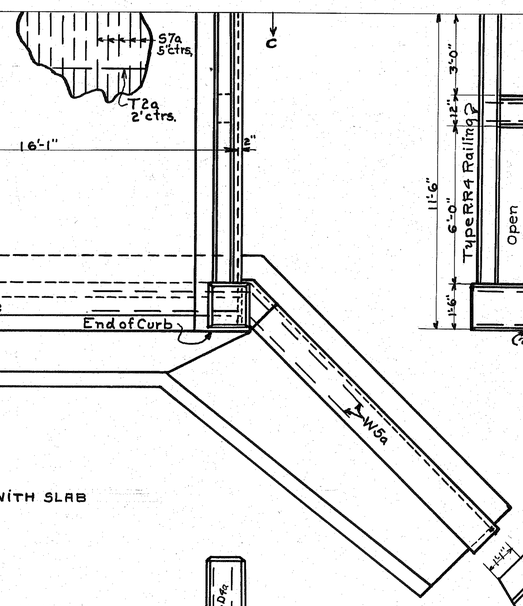
REINFORCING BAR LIST						
Mark	Size	Shape	Spacing	No Req.	Length	Weight
F4a	5/8"	Straight	1'-6"	68	4'-6"	320
W5a	3/4"	Straight	1'-3"	24	12'-0"	433
K4a	5/8"	Straight	1'-0"	64	2'-0"	134
D4a	5/8"	Bent	—	8	9'-0"	75
D5a	3/4"	Bent	—	8	8'-3"	99
S7a	7/8"	Bent	5"	77	23'-0"	4728
T2a	1/2"	Straight	2'-0"	11	32'-0"	235
					Total	6025

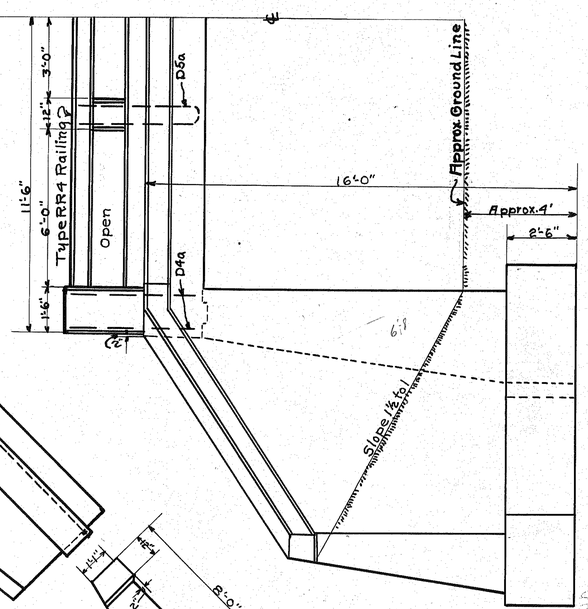


HALF PLAN APPROACH SLAB

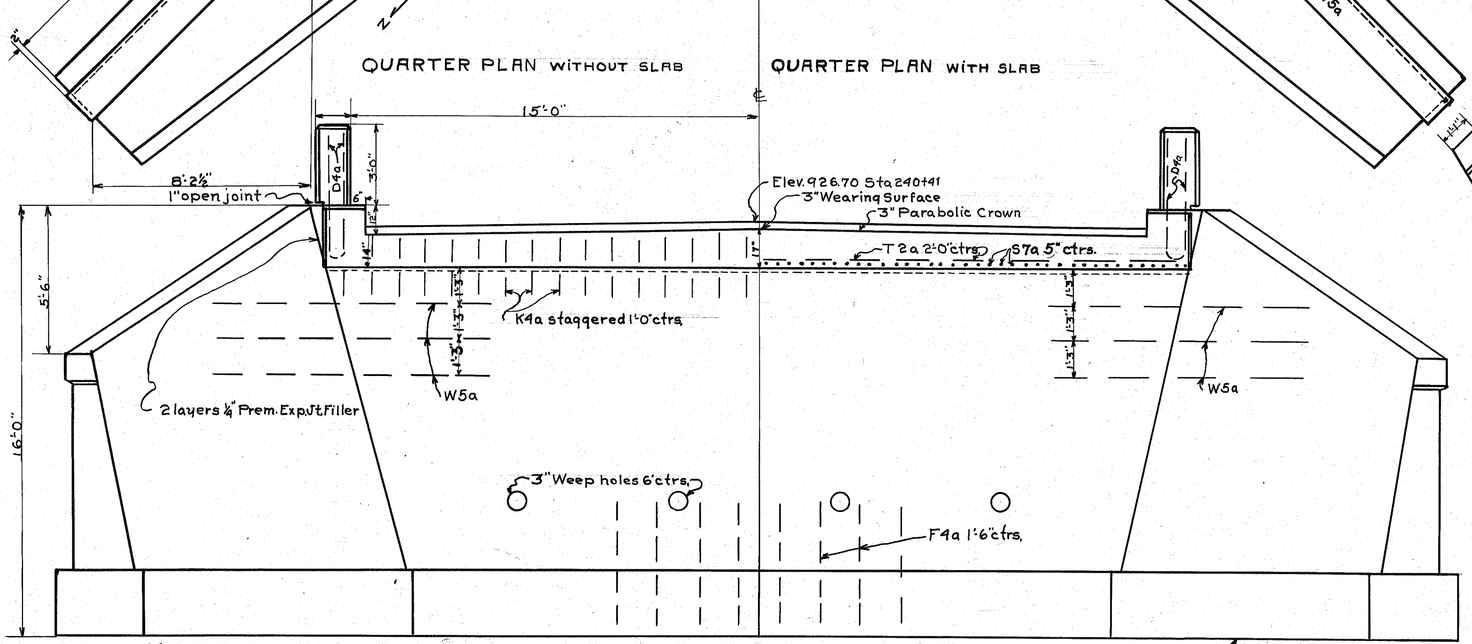






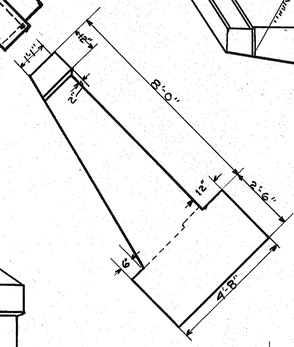


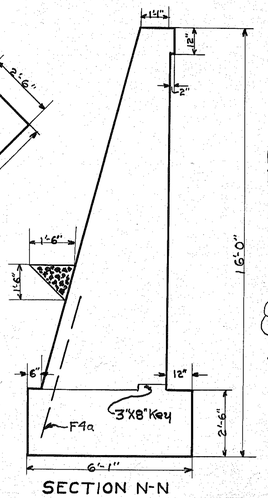
Notes
The backfill shall not be placed higher than ½ H. before slab is in position
Rail shall not be poured until supports for Slab are removed. All exposed edge chamfered.
Construction Specifications in force on date of contract, shall Govern
Concrete in Slab & Railing 1-5½ mix
Concrete in Footers 1-6½ mix
Concrete in Walls 1-6½ mix
Channel to be exc. the width of span 30' left 400 right.
Use Std. Dr. S-B 2430; R.R.A. As 2430
Wet excavation below 914.35



Sta. 240+31 = 911.35
Sta. 240+51 = 911.55

926.7°
911.35
15.35
1.67
13.68





ESTIMATED QUANTITIES

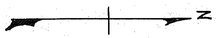
Excavation (Dry) unc/.	60 Cu. Yds
Excavation (Wet) unclassified inclued dam. pumping	135 Cu. Yds
Concrete 1-6½ footers	529 Cu. Yds
Concrete 1-6½ walls	118.7 Cu. Yds
Concrete 1-5½ Super. Strut.	38.2 Cu. Yds
Reinforcing Steel	6025 Lbs.
Channel excavation	200 Cu. Yds
Approach Slab L=13' T=9" 1-5½ mix complete	57.8 Sq. Yds
Wearing Surface App. Slab & Slab	129.7 Sq. Yds.
Type R.R.4 Concrete Railing	46 lin. Ft.
¼" Prem. Exp. Jt. Filler	27 Sq. Ft.

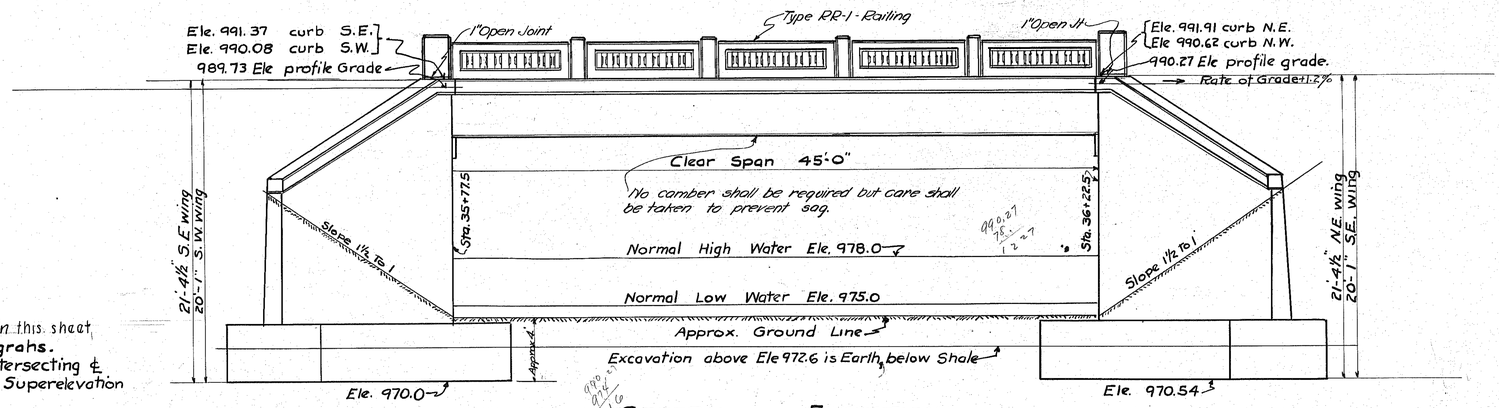
SLAB BRIDGE SPAN 20' H=16'
STATION 240+41 Rdy = 30'
Scale ⅜"=1' March 1930
Drawn by H.J.W.
Trace by A.A.B.

Fed. Rd Dist Nº	State	Fed. Aid Project	Fiscal Year
10	OHIO		1930

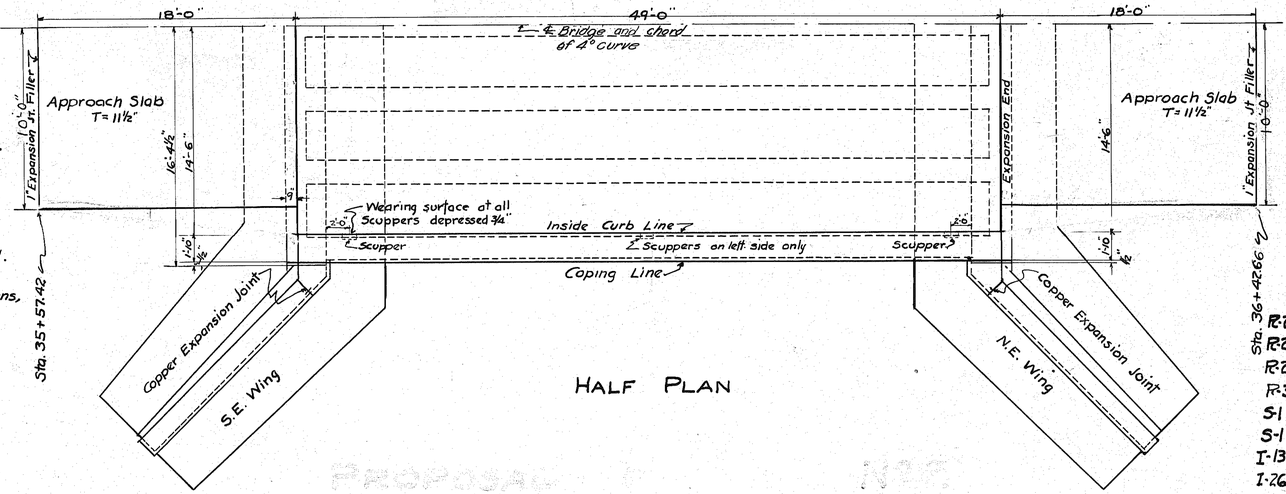
S.H. 330 Sec "D"
Trumbull County

49/54





GENERAL ELEVATION



HALF PLAN

LIMITS STA. 35+57.42 TO STA. 36+42.66

Supplementary Drawings

For Superstructure	Drg. Nº B-45-2430.
For Railing	Drg. Nº R.R.A.
For Approach Slabs	Drg. Nº As 2430

SPECIAL NOTES

Notes on the standard drawings listed on this sheet apply except as noted in following paragrahs.

℄ of Bridge is a chord of a 4° curve intersecting ℄ of survey @ stations 35+77.5 ℄ 36+22.5. Superelevation is at the rate of .045 per. foot.

EXCAVATION:–

All excavation below Ele. 972.6 shall be classified as shale. All excavation above Ele. 972.6 shall be classified as Earth. Channel excavation shall be unclassified and is shown on Sheet Nº 50 all excess excavation not used to fill up old channel shall be used as borrow.

Present Structure is a concrete thro. Girder, having a span of 38' and roadway of 20'-0'. This structure is to be removed broken up and used as rip rap @ N.E. & S.E wings.

CONCRETE:–

Concrete in Footers 1-6½ mix.
Concrete in Walls 1-6½ mix.
Concrete in Superst. Appoach slabs & Rails 1-5½ mix.
Top of footings shall be thoroughly cleaned before placing concrete for walls. All exposed edges shall be chamfered.

REINFORCING STEEL:–

All steel shall be bent in accordance to measurements on plans, which are on ℄ of bar. All bars shall be placed and firmly secured in their proper places before concrete is placed

JOINTS:–

No horizontal construction joints other than those shown will be permitted. Vertical construction joints necesary for construction, allowed only by special permission of the Engineer. All construction joints above low water elevation shall be sealed on the back with Type "B" waterproofing 36" wide.

APPROACH SLAB:–

Reinforced concrete approach slabs shall be 11½" thick 18' long, as shown on plan & built in accordance with Std. Dr. As 2430.

WEARING SURFACE:–

Wearing surface over structure and approach slabs, shall be in accordance with type of pavement for which contract is awarded; either 4" concrete over bridge or 3" bituminous over bridge & approach slabs.

TEMPORARY RUN-AROUND:–

Temporary run around is not nessecary.
Use existing bridge and approaches until completion of proposed Beam Bridge.

PROPOSED WORK

45' SPAN CONCRETE BEAM BRIDGE
30' ROADWAY H-15 LOADING

OVER SUGAR CREEK

ESTIMATED QUANTITIES

R-2	Excavation (shale)	150 cu. yds.
R-2	Excavation (earth)	210 cu. yds.
R-2	Cofferdams Sheeting & Pumping	Lump
R-3	Excavation channel (unclassified)	500 cu. yds.
S-1	Concrete (1-6½) mix. Footings	185.7 cu. yds.
S-1	Concrete (1-6½) mix. Walls	135 cu. yds.
I-13	12"-24 oz. folded Copper strip (incl. Exp. filler 1")	70 lin. ft.
I-26	Approach Slab (1-5½) mix. Con. T=11½ L=18 (rein.)	80 sq. yds.
* T-3	Wearing Surface (Approach Slab)	80 sq. yds.
S-3	Type "B" Waterproofing 36" wide	59 sq. yds.
I-2	Rip Rap N.E. & S.E. Slopes	70 sq. yds.
I-15	Removal of Present Sub & Superstructure	Lump
S-1	Concrete (1-5½) mix.	94.4 cu. yds.
S-4	Reinforcing Steel (Superstructure)	23560 lbs.
I-13	¼" Prem. Exp. Joint Filler	132 sq. ft.
I-13	1" Prem. Exp. Joint Filler	196 sq. ft.
I-17	⅛" Phos. Bronze Plates	72 lbs.
I-9	Cast Iron Scuppers	3 pcs.
S-13	Railing Type R.R.1 Concrete	97 lin. ft.
T-7 or T-3	Wearing Surface (Superstructure)	157.9 sq. yds.
S-4	Reinforcing Steel Substructure	16830 lbs.

* Omit this Item for Concrete Type of Pavement

Warren Meadville Road
Trumbull County
Scale 1"=5' March 1930

Checked WHA Reviewed S.K.C. HWE 4/25/30

Fed Rd Dist. N°	State	Fed Aid Project	Fiscal Year
10	OHIO		1930

S.H 330 Sec D
Trumbull County

50
54

PROFILE ON PROPOSED ℄

Grade rate 1.2%

Normal High Water 978.
Normal Low Water 976
Flow Line 974.2

Ground Line on New ℄

Born
1000
990
980
+50
38+00
37+00
B.T 37+32
Born
House
Road Material
Side Line Location of present road
1000
990
980
Proposed Concrete Beam Bridge
~~Span 45 ft.~~, Roadway 30 ft.
℄ Line of Bridge is a chord of a 4° curve intersecting ℄ of survey at Sta. 35+77.5 & 36+22.5. Grade 1.2%
Super elevation rate is .045/ ft.
New ℄
Test Pit +54 N°2
Sta. 36+42.66
Test Pit
36+22.5
Test Pit N°1
35+77.5
Proposed ℄ creek
Existing concrete ℄ Through Girder Bridge & abutments Span 38' Roadway 20'-0" to be removed
Flow
Sta. 35+67.42
980
35+00
990
980
34+00
4° curve
1½ to 1 slope
bottom
1½ to 1 slope
20'

CROSS-SECTION CHANNEL

Channel to be excavated approx. 200' to right & 300' to left.

These soundings represent the best information obtainable, but the state of Ohio does not guarantee the correctness thereof.

Ground Ele. 976.5 — Ground Ele 975.8

Loam loose large Gravel & Stone — Ele. 972.6

Soft. Shale — Ele 970.0

Test Pit N°1 — Hard shale — Test Pit N°2

Dr. A = 8.55 sq. Mi.

SUGAR CREEK BRIDGE
SITE PLAN
S.H.(I.C.H) 330 SEC. "D"
TRUMBULL COUNTY
Sta. 36+00 1930 Scale 1" = 30'

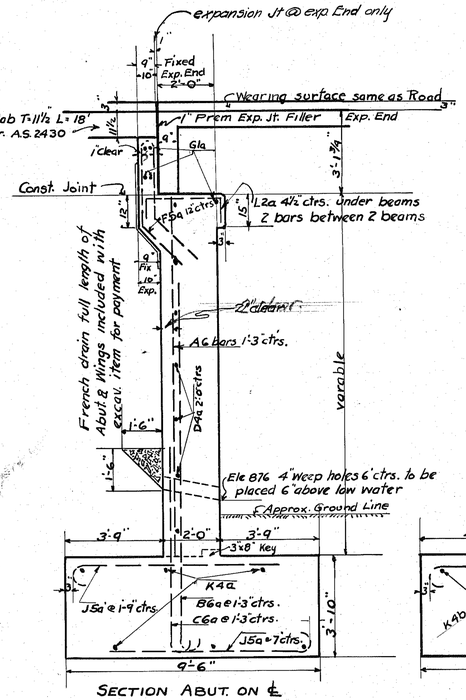
Present Topo.	PROPOSED WORK			
	Drawn	Traced	Checked	Reviewed
C2.	A.D.J.W.	H.D.J.W.		For C. Hwy. Engr.

Fed. Rd Dist. Nº	State	Fed. Aid Project	Fiscal Year
10	OHIO		

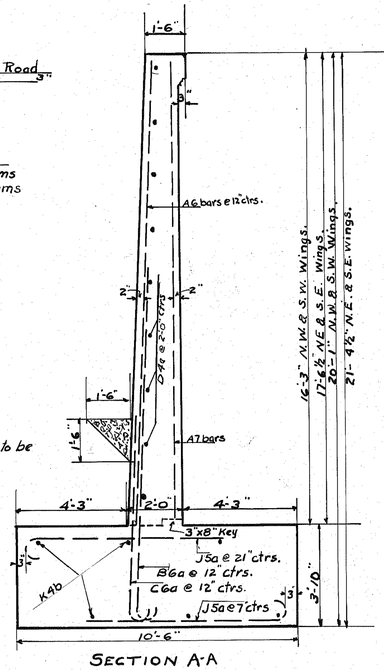
51
54

S.H. 330 Sec. "D"
TRUMBULL County

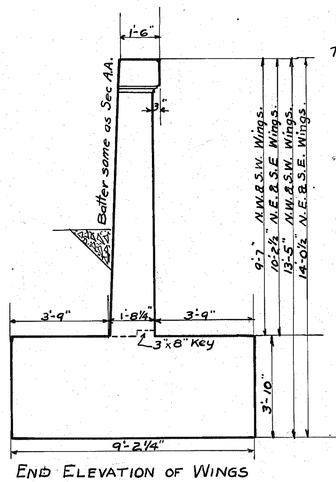
Structural elevations shown here on these plans are for Macadam type pavement only. For concrete type pavement all Elevations will be changed by Engineer to fit conditions. There will be no wearing surface on approach slabs therefore backwall will be raised to allow for approach slabs to act as wearing surface



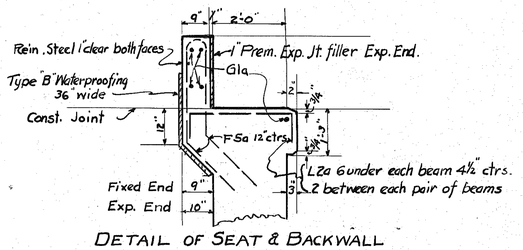
SECTION ABUT. ON ℄



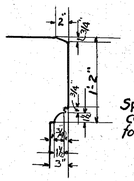
SECTION A-A



END ELEVATION OF WINGS

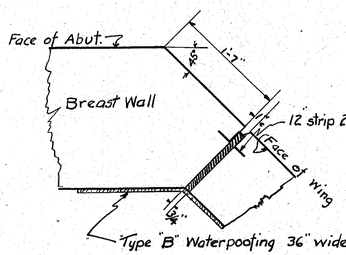


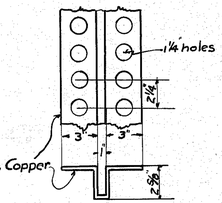
DETAIL OF SEAT & BACKWALL



Special care shall be taken in the construction oiling and removal of forms for this molding both on sub & superst.

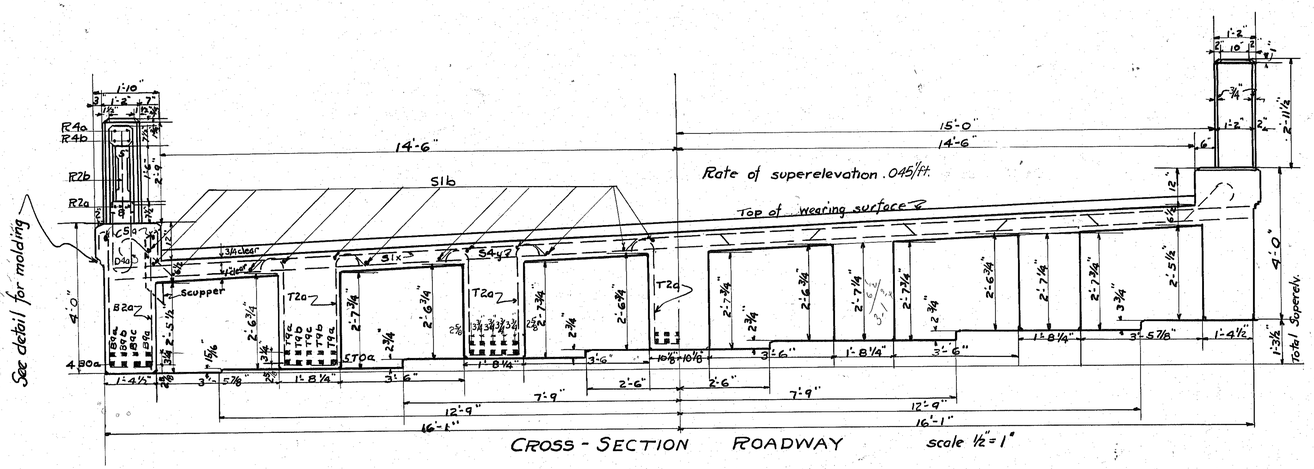
DETAIL OF COPING





EXPANSION Joint DETAILS SEC. A-A

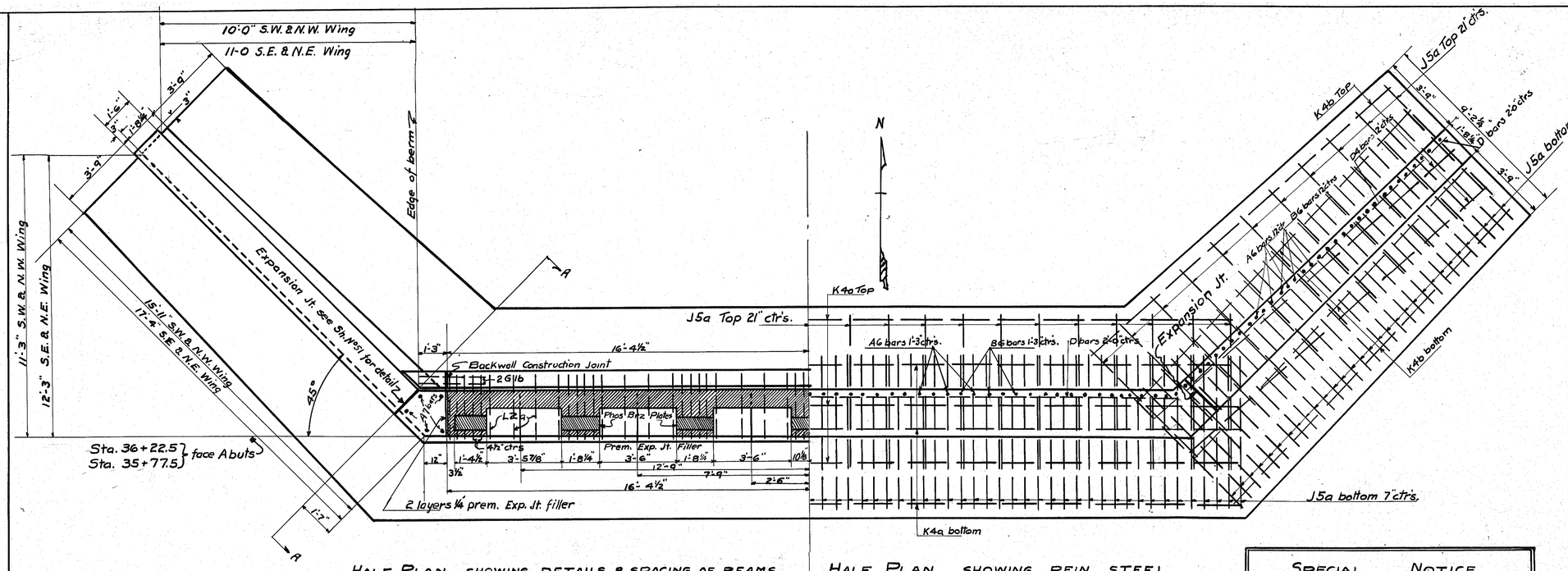
SPECIAL NOTICE
FOR ALL NOTES SEE SHEET Nº 49


See detail for molding
14'-6"
15'-0"
14'-6"
Rate of superelevation .045/ft.
Top of wearing surface
S1b
R4a
R4b
R2b
R2a
C5a
D4a
B2a
Scupper
T2a
S7Oa
B8a
B8b
B8c
B7a
B7b
B7c
T7a
T7b
T7c
T7d
T7e
T7f
T7g
T7h
T7i
T7j
T7k
T7l
T7m
T7n
T7o
T7p
T7q
T7r
T7s
T7t
T7u
T7v
T7w
T7x
T7y
T7z
4'-0"
4'-0"
1'-10"
1'-2"
7"
3¼ clear
31x3
54x7
2'-6¾"
2'-7¾"
2'-6¾"
2'-7¾"
2'-6¾"
2'-7¾"
2'-6¾"
2'-7¾"
2'-7¾"
2'-7¼"
2'-5¼"
2'-6¾"
2'-7¾"
2'-7¾"
2'-6¾"
2'-7¼"
2'-7¾"
2'-7¾"
2'-6¾"
2'-7¾"
2'-7¾"
2'-7

Fed. Rd. Dist. No	State	Fed. Aid Project	Fiscal Year
10	OHIO		1930

52 / 54

S.H. 330 Sec. "D"
TRUMBULL County



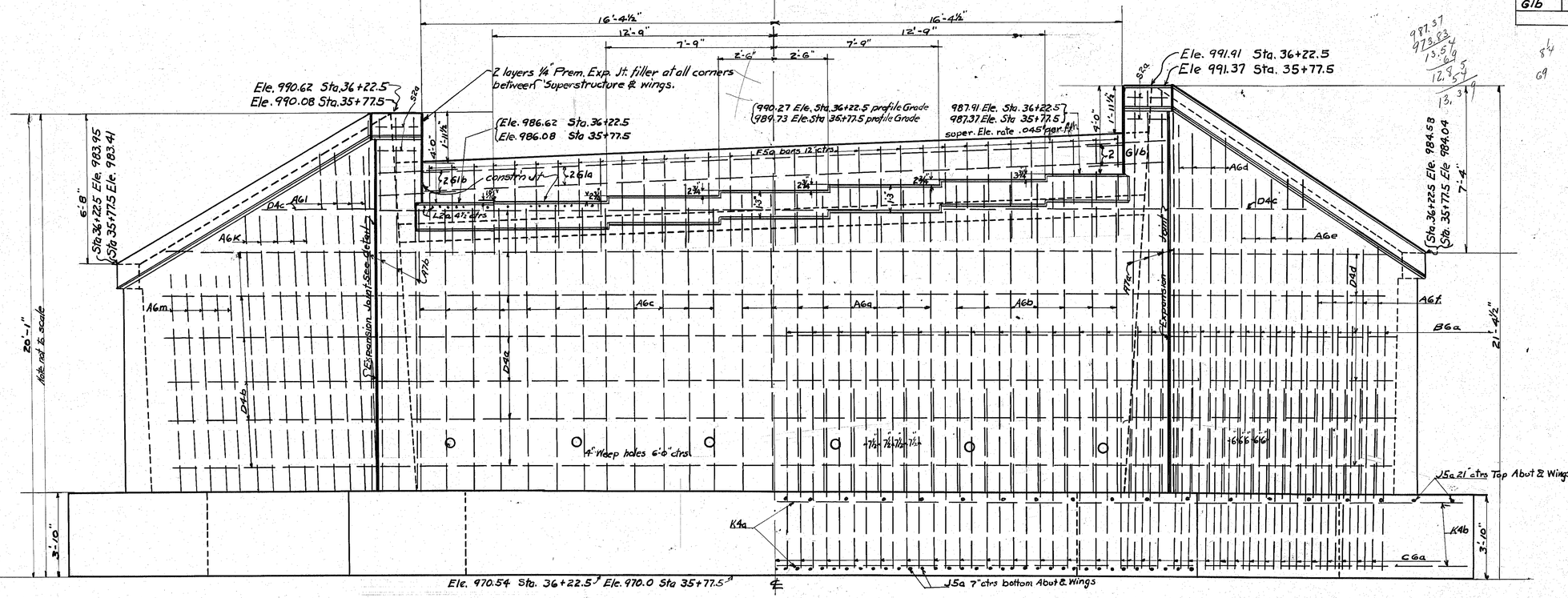
HALF PLAN SHOWING DETAILS & SPACING OF BEAMS
DETAIL N.W. & S.W. HALF ABUT.

HALF PLAN SHOWING REIN. STEEL
DETAIL N.E. & S.E. HALF ABUT.

SPECIAL NOTICE
FOR ALL NOTES SEE SHEET No 49

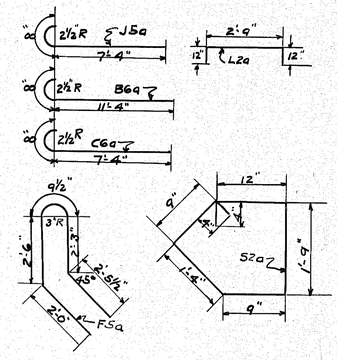
REINFORCING STEEL BAR LIST

Mark	Size	Spacing	Shape	No Req'd.	Length	Weight
J5a	3/4"	7" & 21"	Bent	360	8'-0"	4332
K4a	5/8"	—	Straight	24	22'-0"	551
K4b	5/8"	—	Straight	24	18'-0"	451
A6a	7/8"	1'-3"	Straight	16	12'-6"	409
A6b	7/8"	1'-3"	Straight	14	13'-0"	372
A6c	7/8"	1'-3"	Straight	24	12'-0"	589
B6a	7/8"	1'-3" & 1'-0"	bent	112	12'-0"	2750
D4a	5/8"	2'-0"	straight	28	20'-0"	585
D7a	1"	—	straight	14	17'-3"	646
D7b	1"	—	straight	14	16'-0"	599
C6a	7/8"	1'-3" & 1'-0	bent	124	8'-0"	2030
A6d	7/8"	12"	straight	8	15'-3"	250
A6e	7/8"	12"	Straight	10	13'-3"	271
A6f	7/8"	12"	Straight	12	10'-0"	246
A6l	7/8"	12"	straight	8	14'-0"	229
A6K	7/8"	12"	Straight	10	12'-0"	246
A6m	7/8"	12"	straight	10	9'-6"	194
D4b	5/8"	2'-0"	Straight	12	15'-6"	194
D4c	5/8"	2'-0"	Straight	4	8'-0"	33
D4d	5/8"	2'-0"	Straight	12	17'-0"	213
L2a	1/2"	4½"	bent	108	4'-9"	343
F5a	3/4"	12"	bent	74	10'-0"	1112
G1a	3/8"	—	Straight	20	18'-0"	135
S2a	1/2"	—	bent	8'	6'-3"	33
G1b	3/8"	—	Straight	16	3'-0"	17
				Total		16830



N.W. & S.W. HALF — ELEVATION OF ABUTMENT SHOWING ELEVATIONS & REINFORCING — N.E. & S.E. HALF

Bar Diagrams



SUGAR CREEK BRIDGE

SUBSTRUCTURE DETAILS
STATION 36+00
Scale 3/8"=1' March 1930

Drawn by Waldeck
Checked by C.D.A.
Reviewed P.P.C.
11-9-18, 4/28/30

SPECIAL SUMMARY

Fed Rd Dist No	State	Fed Aid Project	Fiscal Year	53/54
10	OHIO		1930	

DRIVES

Quantity included in price per lin.ft. of V.S.P.

No	Station	Lt.	Rt.	Lin. Ft. New Corr. Pipe 12"	15"	18"	30"	Clean & Relay L Pipe	Remove Pipe	1-8 Conc. Cu. Yds.				
	3+08	X							12"X16'	1.7				Enc. 12"X16' V.S.P.
	17+67		X						12"X16'	1.7				Enc. 12"X16' V.S.P.
	18+90	X		24										
	23+06	X						10"X16'	10"X16'					
	23+60		X					10"X16'	10"X16'					
	26+69	X						10"X16'	10"X16'					
	31+73		X					10"X14'	10"X14'					
	34+47	X		32										
	39+54		X	16										
	39+64	X		16										
	42+89		X	16										
	51+00		X	16										
	53+00	X		16										
	57+00		X	16										
	57+00	X		16										
	60+00	X		16										
	60+00		X	16										
	66+00	X		16										
	74+31		X					12"X14'	12"X14'					
	76+06	X						12"X12'	12"X12'					
	80+60		X					18"X16'	18"X16'					
	84+28		X					14"X16'	14"X16'					
	85+00	X						16"X14'	16"X14'					
	89+29	X						15"X16'	15"X16'					
	89+30		X							2.6				Enc. 12"X24' V.S.P.
	94+16		X					12"X16'	12"X16'					
	94+32		X					12"X16'	12"X16'					
	100+17		X						12"X16'	1.7				Enc. 12"X16' V.S.P.
	102+44		X			16			14"X14'					
	107+42		X					14"X16'	14"X16'					
	123+34	X						14"X16'	14"X15'					
	123+98		X						16"X16'	1.7				Enc. 12"X16' V.S.P.
	124+60	X						14"X14'	14"X14'					
	134+07	X						16"X14'	16"X14'					
	135+01		X					16"X16'	16"X16'					
	135+68	X							12"X16'	1.7				Enc. 12"X16' V.S.P.
	135+71		X					16"X16'	16"X16'					
	144+80		X						18"X12'	1.7				Enc. 12"X16' V.S.P.
	153+83		X					20"X14'	20"X14'					
	157+13		X					18"X16'	18"X16'					
	157+15	X						18"X14'	18"X14'					Relay at Sta 158+97 Lt
	158+88		X					16"X16'	16"X16'					
	160+92		X					16"X15'	16"X15'					
	164+70	X												No work
	167+36	X						12"X14'	12"X14'					
	167+37		X					14"X10'	14"X10'					
	170+43		X					16"X14'	16"X14'					
	171+87		X					14"X16'	14"X16'					
	175+62	X			16			16"X14'	16"X14'					
	177+46	X				30			14"X14'					
	180+27		X					18"X16'	18"X16'					
	182+62		X						14"X16'	1.7				Enc. 12"X16' V.S.P.
	183+48	X		16										
	183+53		X							4.3				Enc. 12"X40' V.S.P.
	184+05		X							4.3				Enc. 12"X40' V.S.P.
	185+21	X						14"X12'	14"X12'					
	187+65	X						14"X16'	14"X16'					
	193+39	X							14"X16'	1.7				Enc. 12"X16' V.S.P.
	194+45		X						14"X14'	2.1				Enc. 15"X16' V.S.P.
	195+63	X								1.7				Enc. 12"X16' V.S.P.
	198+61	X						16"X16'	16"X16'					
	198+62		X					14"X12'	14"X12'					
	226+50		X				24		14"X14'					
	227+88	X						14"X16'	14"X16'					
	233+21		X					14"X14'	14"X14'					
	251+52	X							10"X14'	1.7				Enc. 12"X16' V.S.P.
	252+21		X					14"X16'	14"X16'					
	TOTAL			232	16	46	24	535	728	30.3				Enc. 264' of 12" V.S.P. Enc. 16' of 15" V.S.P.

DRAINS

Quantity included in price per lin.ft. of V.S.P.

Sta To	Sta	Lt.	Rt.	V.S.P 12"	15"	18"	24"	Clean & Relay	Remove	1-8 Conc.	6" V.S.P. French Drain	No 1 C.B.I.	No 2 C.B.I.	S.D. Inlet	Remarks
0+01	4+99	X		498								1		1	Bld. No.1 C.B.I. 0+00 Bld. S.D.I. 2+98
0+01	4+99		X	498								1		1	Bld. No.1 C.B.I. 0+00 Bld. S.D.I. 2+98
5+01	9+99	X		498								1		1	Bld. No.1 C.B.I. 5+00 Bld. S.D.I. 6+05
5+01	9+99		X	498								1		1	Bld. No.1 C.B.I. 5+00 Bld. S.D.I. 8+00
10+01	14+99	X				498						1			Bld. No.1 C.B.I. 10+00
10+01	14+99		X			498						1			Bld. No.1 C.B.I. 10+00
15+01	18+62	X				361							1		Bld. No.2 C.B.I. 15+00
15+61	18+62		X			361							1	1	Bld. No.2 C.B.I. 15+00, S.D.I. 17+57
22+20	29+38	X									718				
38+70	44+20		X								550				
54+20	57+80	X									360				
54+20	57+80		X								360				
75+70	78+20		X								250				
86+03	87+37		X	134									1		Bld. No.2 C.B.I. 86+02
87+45	89+15		X								170				
89+17	92+61		X	344									1		Bld. No.2 C.B.I. 89+16
89+37	90+01	X		64											
94+40	96+90		X								250				
96+92	100+30		X	338									1	1	Bld. No.2 C.B.I. 96+91 Bld. S.D.I. 100+07
116+50	120+00	X									350				
120+02	123+28	X		326									1		Bld. No.2 C.B.I. 120+01
120+70	126+60		X	586									2		Bld. No.2 C.B.I. 122+45, 123+90
134+60	136+80	X		220										1	Bld. S.D.I. 135+80
142+10	148+52		X	640									2		Bld. No.2 C.B.I. 144+70, 148+53
147+90	150+90	X									300				
148+54	149+14		X			60				7.8					Place & Enc. 15"x60' V.S.P.
149+14	153+28		X			414									
178+82	179+02	X					20								
180+35	181+25		X				90								
181+27	184+25		X	298										1	Bld. S.D.I. 182+72
193+31	196+19	X		288										1	Bld. S.D.I. 195+53
193+60	194+60		X			100								1	Bld. S.D.I. 194+35
228+50	229+90	X					140								
251+27	254+39	X		312											
82+50	84+20		X								170				
											1830				As directed by Engn
166+00	167+00	X		100											
186+10	186+90	X		80											
198+00	198+53	X		53											
TOTAL				5175	2292	250				7.8	5308	6	10	10	

SUMMARY OF PAVEMENT

Sta	To Sta	M-B-1	M-B-2	M-B-3
		5" Base W.21' 4" " W21' 2" Top W20'	5" Base W3-6' 5" " W3-6' 4" " W3-6' 4" " W3-6' 2" Top W20'	5" Base W.7-6" 5" " W3-6" 4" " W21' 2" Top W20'
		Lin. Ft.	Lin. Ft.	Lin. Ft.
0+00	5+00	500		
5+00	12+70		770	
12+70	78+70	6600		
78+70	95+90		1720	
95+90	110+90	1500		
110+90	120+40		950	
120+40	142+50	2210		
142+50	152+50			1000
152+50	166+50	1400		
166+50	188+10			2160
188+10	189+90	180		
189+90	198+50			860
198+50	206+80	830		
206+80	216+80			1000
216+80	255+00	3820		
TOTAL		17040	3440	5020

EXTRA PAV

Sta For		M-B-1, C Sq. Yds.
29+84	R. R. Bridge	84
36+00	Bridge	
70+00	Inters. Lt	388
140+40	R.R.Cr.	133
156+60	Bridge	
240+41	Bridge	
255+00	Inters. Lt	97
255+00	Inters. Rt	102
249+10	254+92	129
TOTAL		913

249+10 to 254+40 6"x28" Con. Curb S30

DEDUCTIONS

Sta For		M-B-1, C Lin. Ft.	Shoulders, Slope & Ditches - Lin. Ft.
36+00	Bridge+App	85.00	48.50
140+40	R.R.Cr.	10.00	10.00
156+60	Bridge+App	40.33	19.33
240+41	Bridge+App	48.33	23.33
254+92	Pave. at End	8.00	
TOTAL		191.66	101.16

SUMMARY EXCAVATION & EMBANKMENT

Sta	To Sta	Exc. Cu. Yds.	Emb Cu. Yds.	Emb+20% Cu. Yds.	Borrow Cu. Yds.	Waste Cu. Yds.
0+00	27+60	2705	2160	2592		113
27+60	36+79	3791	3083	3700		91
36+79	54+45	5804	4863	5835	31	
54+45	95+00	4770	3168	3802		968
95+00	107+78	1601	1104	1325		276
107+78	121+00	1110	720	864		246
121+00	129+50	687	544	653		34
129+50	140+00	1643	1345	1614		29
140+00	158+66	583	3493	4192	3609	
158+66	181+00	2096	1692	2030		66
181+00	189+00	416	530	636	220	
189+00	204+00	885	1582	1898	1013	
204+00	219+00	834	1236	1483	649	
219+00	224+25	83	637	764	681	
224+25	228+50	405	336	403		2
228+50	254+92	6874	8147	9776	2902	
158+00						
TOTAL		34287	34640	41567	9105	1825

CHANNEL - EXCAVATION

Station	Cu. Yds
104+00 Lt. 160'	1700
155+00 to 160+00 Lt.	1691
TOTAL	3391

GUARD RAIL

Sta	To Sta.	Lt.	Rt.	Type D-2 Lin. Ft.
18+40	18+80	X		40
18+44	18+84		X	40
34+52	35+72	X		120
34+52	35+72		X	120
36+28	38+60		X	232
36+28	38+68	X		240
47+30	48+50	X		120
47+30	48+50		X	120
69+60	70+24		X	64
104+72	105+12	X		40
104+72	105+12		X	40
132+10	134+02	X		192
133+65	134+05		X	40
146+05	147+81	X		176
155+75	156+47	X		72
155+75	156+47		X	72
156+73	157+05		X	32
156+73	158+89	X		216
182+28	183+16	X		88
202+60	203+96	X		136
203+49	203+89		X	40
230+27	230+67	X		40
230+27	230+67		X	40
238+10	240+26	X		216
238+10	240+26		X	216
240+56	243+12	X		256
240+56	243+12		X	256
Total				3264

4000 lin ft. French Drain 12"x15" to be placed at direction of Engineer.

SUMMARY OF ESTIMATED QUANTITIES

Fed Rd Dist No	State	Fed Aid Project	Fiscal Year
10	OHIO		1930

S.H. 330 Sec D
Trumbull County

54
54

STRUCTURES UNDER 20' SPAN

Quantity included in price per Lin. Ft. of V.S.P.

No	Station	Type	Size	Length	R-2 Excn. Dry Cu.Yds	R-2 Excn. Wet Cu.Yds	S-1 Concrete T 1-8 Cu.Yds	S-1 Concrete Wall 1-6½ Cu.Yds	S-1 Concrete Foot. 1-6½ Cu.Yds	S-1 Concrete T 1-5½ Cu.Yds	S-4 Rein Steel Lbs	I-8 V.S.P 12" L.F	15" L.F	18" L.F	20" L.F	24" L.F	30" L.F	36" L.F	R-3 Channel Excn. Cu.Yds.	I-15 Remove Pipe Lin.Ft.	I-27 Clean Pipe Lin.Ft.	I-27 Relay Pipe Lin.Ft.	I-9 No 1 C.B.I. Cover Ea.	I-8 12"x36" Tee Ea.	I-8 18"x12" Tee Ea	I-15 Remove Strut. Lump	I-26 Approach Slab Sq.Yds.	S-12 R R 4 Rail Lin.Ft.	T-7 Wearing Surface Sq.Yds.	I-9 No 2 C.B.I. Cover Ea	R-2 No 1 Slag Cu.Yds.	S-6 Repoint & Repair Sq.Yds.	M-10 ¼" Prem. Exp. Jt. Filler Sq.Ft.	
1	18+64	Box	5'x4'	47'	75					32.1	2793								40														Remove old box Bld. Std. 5'x4' Conc. box Clean channel 600' Rt.
2	29+39	Pipe	24"	78'	130		10.7			3.0	54					78				85	30	30	2												See Sheet No 42 for detail
3	29+84	Bridge	RR																																No Work
5	47+90	Box	5'x4'	18'	20					13.1	1101																								
6	50+80	Pipe	15"	39'	25		4.8			2.5	59		39										1											41		Repoint & Repair old stone box
7	69+90	Pipe	36"	140'	100		55.6			5.9	138	90						136					2	2												Bld. Std. 15" V.S.P x 39' Std. H.W. Lt. No 1 C.B.I. Rt.
8	81+05	Pipe	24"	40'	30		2.5			3.5	105					12			10		28	28													Bld. Std. 36" V.S.P See Sheet No 43
9	85+44	Pipe	20"	39'	30		1.9			5.0	120			20	11						28												5		Ext. 24" V.S.P x 12' Lt. Bld. Std. H.W's. Clean Channel 200' Lt. Backfill over pipe with No 1 Slag
10	87+38	Pipe	18"	38'	10		1.2			3.0	64			8					5		30														Ext. 20" V.S.P x 7' Lt & 4' Rt. Bld. Std. H.W. Lt & sideroad H.W. Rt. Clean Channel Lt.
11	93+05	Pipe	18"	42'	25		1.4			2.7	80			9					10		33	33							1						Ext. 18" V.S.P x 4' Lt & Rt. Bld. Std. H.W. Lt & No 2 C.B.I. Rt. Clean Channel, 5 Cu Yds. Lt.
12	104+92	Pipe	24"	45'	40		2.5			3.5	105					12			30		33	33											5		Ext. 18" V.S.P x 9' Lt. Clean & Relay C.I.P. Bld. Std. 18 V.S.P. H.W's. Backfill with No 1 Slag Clean Channel 300 Lt.
13	110+28	Pipe	18"	41'	10		1.7			2.7	80			11					30		30														Clean & Relay C.I.P. Ext. with Std. 24" V.S.P x 12' Lt. Bld. Std. 24" V.S.P. H.W's. Clean Channel 400' Lt
14	133+83	Box	3'x3'	50'	90					21.1	1780								15																Clean C.I.P. Ext. with Std. 18" V.S.P x 5' Lt & 6' Rt. Bld Std. 18" V.S.P. H.W's. Clean Channel 400 Lt.
15	140+19	Pipe	12"	68'	15		2.2			2.0	65	20									48														Remove old box Bld. Std. 3'x3' Conc. box 50' Clean Channel 200' Lt
16	140+89	Pipe	12"	75'	20		3.2			2.0	65	30									45														Clean C.I.P. Ext. with Std. 12" V.S.P. x 6' Lt & 14' Rt. Bld. Std 12" V.S.P. H.W's.
17	156+60	Bridge	S=16'	Rd.	100	130		83.6	42.8	26.9	4360								100						1	48.8	38	107.9					24	Clean C.I.P. Ext with Std. 12" V.S.P. x 15' Lt & Rt. Bld. Std. 12" V.S.P. H.W's.
18	163+06	Pipe	18"	54'	20		3.9			1.4	40			26							28														See Sheet No 47 for details
19	171+25	Pipe	18"	40'	5		1.8			2.7	80			12					35		28														Clean C.I.P. Ext. with Std. 18" V.S.P x 26' Bld. Std. 18" V.S.P. H.W. Rt.
20	181+26	Pipe	18"	44'	20		2.5			3.0	64			16					15		28	28													Clean C.I.P. Ext. with Std. 18" V.S.P x 6' Lt & Rt. Bld. Std. 18" V.S.P. H.W.s Clean Channel 700' Lt
21	188+90	Pipe	18'	65'	35		9.7			3.3	70			65															1	5				Clean & Relay C.I.P. Ext. with Std. 18" V.S.P x 16' Lt. Bld. Std. H.W. Lt & No 2 C.B.I. Rt. Backfill with No 1 Slag Clean Channel 200' Lt.
22	203+69	Pipe	18"	50'	5		2.8			2.7	80			18							32														Bld. Std. 18" V.S.P x 65' Sideroad Culvert
23	224+70	Pipe	18"	53'	50		8.0			3.0	64			193																				Clean C.I.P. Ext with Std. 18" V.S.P x 16' Rt. Bld. Std. 18" V.S.P. H.W's.
24	230+47	Pipe	30"	44	10		1.9			4.6	125						7		15		37								1						Bld. Std. 18" V.S.P with No 2 C.B.I. Lt & 140' of 18" V.S.P as shown
25	240+41	Bridge	S-20'	Rd.	60	135		18.7	52.4	38.2	6025								200							87.8	46	129.7					27	Clean C.I.P. Ext with Std. 30" V.S.P x 4' Lt & 3' Rt. Bld. Std. 30" V.S.P. H.W's. Clean Channel 300' Lt.
26	254+81	Pipe	12"-18"		160	130	25.5			3.9	72	85		156						44			2		2				1						See Sheet No 48 for details of Structure
Total					1055	265	143.8	102.3	95.2	19.8	17589	225	39	634	11	102	7	136	505	129	458	152	7	2	2	1	106.6	84	237.6	4	15	41	51		See Sheet No 46 for details

STRUCTURES OVER 20' SPAN

Station	Type	Span	Height	Roadway	R-2 Excn. Earth Cu.Yds.	R-2 Excn. Shale Cu.Yds.	S-1 Concrete Wall 1-6½ Cu.Yds	S-1 Concrete Footer 1-6½ Cu.Yds	S-1 Concrete T 1-5½ Cu.Yds.	S-4 Rein. Steel Lbs.	I-13 Premold. Exp. Jt. ½" Sq.Ft.	I-13 Premold. Exp. Jt. 1" Sq.Ft.	R-3 Channel Excn. Cu.Yds.	S-15 Type RR I. Conc. Rail L.Ft.	I-17 Bronze Plate ⅛" Phos. Lbs	T-3 Wearing Surface Sq.Yds.	S-3 Type B Water P. 36' wide Sq.Yds.	R-2 Cofferdam Sheeting Pumping Lump	I-2 Rip Rap NE & SE Slopes Sq.Yds.	T-18 Removal Present Sub & Sup. Structure Lump	T-9 Cast Iron Scuppers Pcs.	T-26 Approach Slab 1-5½ mix T=11½" L=18' (rein.) Sq.Yds.	T-13 12"-24 oz Copper Strip (incl. Exp. Filler 1") Lin.Ft.	Remarks
36+00	Beam	45'	Vara.	30'	210	150	135	185.7		16830						80	59	Lump	70			80	70	Substructure
									94.4	23560	132	196		500		97	72	157.9		Lump					Superstructure
										40390						237.9								

Beg. of Project 0+00
End of Project 255+00
Gross Length 25500.00
Deductions 85.14-459 pBr. & App
Net Length 25414.86 = 4.813 Mi.

Note:- Inlets shall not be built until road metal is in place.

For Shoulder, Slopes & Ditches
Gross Length = 25500.00
Deductions = 101.16
Net Length = 25398.84

CONSTRUCTION BUREAU APR 17 1957 GROUND PHOTOLAB

Note
Dirt from channel excn. shall be placed on bank not over 6" in depth

PROPOSAL
ROADWAY
R-1 / 34287 Cu Yds Exc. unclassified including removal of 728 Lin. Ft. Drive Pipe etc.
R-4 / 1825 Cu Yds Borrow from roadway waste Av. haul approx. 1¼ mi.
R-4 / 7280 Cu Yds Borrow outside roadway. Borrow pits to be furnished by Contractor. Borrow pits to be shaped out and yardage computed by Engr.
R-5 25399 Lin. Ft. Finish shoulders, slopes and ditches (both sides).
I-4 / 5308 Lin. Ft. 6" V.S.P. French Drains complete in place.
I-3 / 4000 Lin. Ft. 12" x 15" French Drains complete in place.
I-7 / 3264 Lin. Ft. Type D, D2, D4 or D4 Guard Rail in place.
S-10 / 232 Lin. Ft. 12" Conc. Drive Pipe in place incl. Exc. and backfill Sec. 6.4, B-2 b, B-3 or B-4.
S-10 / 16 Lin. Ft. 15" Conc. drive pipe in place incl. Exc. and Backfill Sec. 6.4, B-3 c, B-4 or B-2 b
S-10 / 46 Lin. Ft. 18" Conc. drive pipe in place incl. Exc. and Backfill Sec. 6.4, B-3 d, B-4 or B-2 b
S-10 / 24 Lin. Ft. 30" Conc. drive pipe in place incl. Exc. and Backfill Sec. 6.4, B-3 g, B-4 or B-2 b
I-27 / 535 Lin. Ft. Drive pipe to be cleaned & relaid.
S-1 / 30.3 Cu Yds. I-8 conc. encasing in place under drives.
I-8 / 5775 Lin. Ft. 12" V.S.P. in place incl. Exc. & Backfill.
I-8 / 2292 Lin. Ft. 15" V.S.P. in place incl. Exc. & Backfill.
I-8 / 250 Lin. Ft. 18" V.S.P. in place incl. Exc. & Backfill.
S-1 / 7.8 Cu Yds I-8 conc. encasing in place under C. B. Inlets complete in place incl. Exc. & Backfill.
I-9 / 6 Ea. Std. No. C.B. Inlets complete in place incl. Exc. & Backfill.
I-9 / 10 Ea. Std. No. 2 C.B. Inlets complete in place incl. Exc. & Backfill.
I-9 / 10 Ea. Std. Side Ditch Inlets complete in place incl. Exc. & Backfill.
R-3 / 3391 Cu Yds Channel Exc.
I-31 / 1 Ea. 12"-15"-18" V.S.P.Y Branch in place
PAVEMENT
TYPE MB-1 PAV.
B-2 3932 Sq Yds 5" W.B. 1st Base Course (No. 1 Coarse Agg) 2 1/2 wide req. a minimum of 9337 Tons or slag or 1302 Tons of Limestone.
B-2 3932 Sq Yds 4" W.B. 2nd Base Course (No. 1 Coarse Agg) 2 1/2 wide req. a minimum of 7469 Tons or slag on 1042 Tons of Limestone
T-17 37440 Sq Yds Bituminous Surface Course 20' Wide According to Supplemental Specifications Schedule C. as shown on The Plans.

EXTRA TYPE MB-1 PAV.
B-2 918 Sq Yds 5" W.B. 1st Base Course (No. 1 Coarse Agg) req. a minimum of 871 Tons of slag or 224 Tons of Limestone.
B-2 913 Sq Yds 4" W.B. 2nd Base Course (No. 1 Coarse Agg) req. a minimum of 174 Tons of slag or 211 Tons of Limestone
T-17 913 Sq Yds Bituminous Surface Course According to Supplemental Specifications Schedule C. as shown on The Plans.

TYPE MB-2 PAV.
B-2 2676 Sq Yds 5" W.B. 1st Base Course (No. 1 Coarse Agg) 3'6" wide req. a minimum of 636 Tons of slag on 769 Tons of Limestone.
B-2 2676 Sq Yds 4" W.B. 2nd Base Course (No. 1 Coarse Agg) 3'6" wide req. a minimum of 505 Tons of slag on 615 Tons of Limestone
T-17 7644 Sq Yds Bituminous Surface Course 20' Wide According To Supplemental Specifications Schedule C. as Shown on The Plans.

T-3 120 Tons Aggregate (No. 2 Coarse Agg) to be used with Mat. in Surface Course due to irregularities in pipes, mac.

T-3 3000 Gal. Bit. Mat. A-1 or T-1 (Penet. Meth.) (For penetration of preceeding item)

TYPE MB-3 PAV.
B-2 3904 Sq Yds 5" W.B. 1st Base Course (No. 1 Coarse Agg) 3'6" wide req. 927 Tons Slag on 1122 Tons of Limestone
B-2-11 713 Sq Yds 4" W.B. 2nd Base Course (No. 1 Coarse Agg) 2' wide req 223 Tons of Slag or 269 Tons of Limestone.
T-17-11-56 Sq Yds Bituminous Surface Course 20' wide According To Supplemental Specifications Schedule C. as Shown on The Plans.

B-2 400 Tons W.B. Base Course No. 1 Coarse Agg to be used with mat. in 4" W.B. 2nd Base Course due to irregularities in pipes, mac.

I-6 530 lin. ft. 6"x28" Con. Curb 1-5½ mix.

PROPOSAL
TYPE C PAV.
R-1 / 40000 Cu Yds Exc. uncl. (incl. Borrow & Waste) & removal of 728 Lin. Ft. of Drive Pipe. This item to be paid for per Cu. Yd. shown by final cross sections after project has been completed. Borrow item is eliminated. Other Roadway items same as for "Type MB Pav."
T-7-1 / 62840 Sq Yds. 9'-7"-9' Conc. Pav. 1-5½ Mix 20' wide incl. fine grading, longitudinal & transverse joints, edge bars, longitudinal & transverse dowel bars.
T-7 / 913 Sq Yds. Extra 9'-7"-9' Conc. Pav. 1-5½ Mix incl. fine grading, longitudinal & transverse joints, edge bars, longitudinal & transverse dowel bars.

I-6 / 530 lin. ft. 6"x28" Con Curb 1-5½ mix

I-25 / 130 Tons No. 7 Agg in place on drives.

SP 5

TRUMBULL COUNTY
S.H. 330 SEC. D
RIGHT OF WAY PLANS
JOHNSTON TWP.
VERNON TWP, T.6N-R.1W
KINSMAN TWP

1/5

N. 45° 00' E.

Clara E. Cook
Dorset, Ohio.

Clara E. Cook
Dorset, Ohio.

P.L. 7+62

J.C. Bascom
Farmdale Ohio.
R.F.D. No. 1

P.L. 15+72

Samuel P. Nesbitt
Farmdale Ohio
R.F.D. No. 1

P.C. 16+35.50

Sta. 19+87.11
Δ 27° 35' Rt.
D 4° 00'
R 1432.39'
E 42.40'
T 351.61'
L 689.58'

Samuel P. Nesbitt.
Farmdale Ohio.
R.F.D. No. 1

P.L. 15+86

P.L. 20+96

P.T. 23+25.08

P.L. 22+04

Mary M. Brown
Box 44 R.F.D. # 3
Youngstown, Ohio.

Mary M. Brown
Box 44 R.F.D. # 3
Youngstown, Ohio.

P.L. 26+04

Henry J. Beebe
24 1/2 N. Fruit St.
Youngstown, Ohio.

N. 72° 35' E.

P.L. 28+88

P.L. 29+40

N.Y.C. R.R. Co.

P.L. 30+44

E & D. Divjak

N.Y.C. R.R. Co.

P.L. 30+44

N. 72° 35' E.

Low Grade

Mary M. Brown

206.90

P.L. 34+53

S. 84° 15' E. 272.40

N. 22° 52' E. 380'

P.C. 32+77.45

Sta. 36+10.57
Δ 26° 11' Lt.
D 4° 00'
R 1432.39'
E 38.22'
T 333.12'
L 654.58

P.T. 39+32.03

Katey & Dann Divjak
Steubenville, Ohio.

Katey & Dann Divjak
Steubenville, Ohio.

42+00

N. 46° 24' E.

47+50

48+60

N. 45° 48' E

49+71

11.00'

P.L. 50+20

N. 59° 54' E

N. 59° 15' E 206.2'

N. 71° 32' E 205.13'

Afton & Mary Daby

Afton & Mary Daby.
2628 E. 65th St.
Cleveland, Ohio.

P.C. 55+08.88

P.L. 55+33

Thomas K. Hain
Farmdale Ohio.
R.F.D. #1

Thomas K. Hain
Farmdale Ohio
R.F.D. #1

N. 18° 35' E 94.5'

N. 56° 05' E 107.6

N. 79° 59' E 386.97'

N. 12° 11' W. 473.1'

P.L. 59+31

The 1621 East 78th St. Co.
Cleveland Ohio.

The 1621 E. 78th St. Co.

Sta. 67+18.36
Δ 12° 03' Rt.
D 0° 30'
R 11459.16'
E 63.72'
T 1209.48'
L 2410.00'
No Extra Pav.
No Super-elevation.

TRUMBULL COUNTY
S.H. 330 SEC. D
RIGHT OF WAY PLANS
S.R. 5

2/5

(20) Simeon Standley
Farmdale Ohio
R.F.D. #1

(19) The 1621 East 78th St. Co.

(18) The 1621 East 78th St Co
Cleveland, Ohio

(21) The 1621 E. 78th St. Co.

(22) The 1621 East 78th St Co.
Cleveland, Ohio.

(23) Chas. F. Logan
1319 Republic Ave
Youngstown, Ohio

(24) Silas S. Draa
Farmdale Ohio.
R.F.D. #1

(25) John M. Straw
Farmdale, Ohio.
R.F.D. #1

(26) Halbert H. Haynes.
3286 Riverside Drive
West Park, Ohio.

(27) Wm & Maggie Hanawalt.
Farmdale Ohio
R.F.D. #1.

(28) Edward & Elizabeth A. Henry
Farmdale, Ohio
R.F.D. #1

(29) Marshall Coursen
Sta. A. R.F.D. #1
Youngstown Ohio.
Supt. Campbell Schools.

68+93 P.I.

N. 78° 54' E. 386.9'

N. 81° 35' E. 193.0'

N. 62° 08' E. 397.0'

N. 66° 59' E. 381.6'

N. 66° 55' E. 540.00'

67+88 P.I.

N. 65° 50' E.

Sta. 67+18.36
Δ 12° 03' Rt.
D 0° 30'
R 63.72'
T 1209.48'
L 2410.00

JOHNSTON TWP
VERNON TWP.

68+93

142.4'

253.5'

N. 61° 78' E.

P.T. 79+18.88

79+11 P.I.

81+27 P.I.

N. 58° 27' E.

HAYNES SOUTH RD. No 253
40'
N. 5° 09' E.

86+01

N. 58° 27' E.

295.90'

N. 85° 58' W.

98+51 P.I.

Chas. F. Logan
1319 Republic Ave
Youngstown, Ohio.

P.C. 96+87.52

Sugar Creek

Sta. 104+33.77
Δ 53° 08' Lt.
D 4° 00'
R 1432.39
E 169.10
T 716.25
L 1328.33

N 14°

W. New Channel Length 320'

Present Channel

101+46.50 ℄ crosses old ℄

104+85.0 ℄ crosses old ℄

N. 53° 19' E.

25° 08'

28° 00'

335.62'

110+25 P.I.

N. 84° 41' W.

110+15.55 P.T.

Edward & Elizabeth A. Henry
Farmdale, Ohio
R.F.D. #1

N. 5° 19' E.

N. 84° 41' W.

116+10 P.I.

Marshall Coursen
Sta. A. R.F.D. #1
Youngstown Ohio.
Supt. Campbell Schools.

120

TRUMBULL COUNTY
S.H. 330 SEC. D
RIGHT OF WAY PLANS

S.R. 5

3/5

129+37 P.L.

(30) Elizabeth Henry, Farmdale Ohio, R.F.D. #1

(28) Edward & Elizabeth Henry, Farmdale Ohio. R.F.D. #1

N. 14° 28' W.

1109.5

18° 31'-30"

269.50'

139+75 P.L.

141+04 P.L.

N.Y.C.R.R. Co. H.O. 50-30

28° 12'

16'

130

135

N. 33° 31' E.

505.25

125

(31) Elizabeth Henry, Farmdale, Ohio. R.F.D. #1.

(33)

(34) O.C. Emhoff, Orwell, Ohio

143

(32)

145

N. 52° 02' 30" E.

℄ crosses old ℄ 136+56.25

N.Y.C.R.R. Co. HIGH GRADE

P.L. 139+75

P.L. 141+04

P.T. 140+05.65

℄ crosses old ℄ 134+23.75

P.L. 129+37

Sta. 131+26.64
Δ 46°-43'-30" Rt.
D 2°-30'
R 2291.83
E 204.68'
T 989.99
L 1869.00

N. 52° 17' E.

9.0

7.0

P.C. 121+36.16

(29) Marshall Coursen, Sta. A. R.F.D. #1, Youngstown, Ohio.

(35) O.C. Emhoff, Orwell, Ohio.

150

50'

60'

(36) O.C. Emhoff

148+84

BUSHNELL CAMPBELL RD. NO. 185

S0 11° 42' 51"-30" W.

(34) O.C. Emhoff, Orwell, Ohio.

Sta. 159+93.86
Δ 49°-19'-30" Lt.
D 4°-00'
R 1432.39'
E 143.78'
T 657.70'
L 1233.12'

N. 52° 02' 30" E.

150

P.C. 153+36.16

140

155

419.14'

Sugar Creek (Old Channel)

New Channel

74.00

℄ crosses old ℄ 159+11.50

140

N. 16° 49' E.

160

35° 13'-30"

14° 06'

747.40

P.L. 163+10

163+10 P.L.

164+57.50 ℄ crosses old ℄

8

P.T. 165+69.28

92.89'

(37) Thomas Caulfield, Farmdale Ohio. R.F.D. #1.

(38) Thomas Caulfield, Farmdale Ohio. R.F.D. #1.

170+55 P.L.

(39) Claude C. Simons

VERNON TWP. — 172+11 — KINSMAN TWP.

(42) Claude C. Simons, L.L. Simons, Guardain, Farmdale Ohio.

170

(40) Rettie & David Lees

Rettie & David Lees, 610 Columbia Circle, Warren, Ohio.

(41)

N. 88° 01' W.

172+11

(43) Claude C. Simons, L. L. Simons, Guardain, Farmdale Ohio.

175

P.L. 174+91

180

H. 2° 43' E

P.L. 170+55

TRUMBULL COUNTY
S.H. 330 SEC. D
RIGHT OF WAY PLANS

4/5

S.R. 5

I.P. Sta. 188+90.00
Δ 0°-26'-30" Rt.
D 3°44'
55.09'

188+90
No. 279
60'
N. 48°-07' W.

MAYBURN CORS. BARCLAY RD.
N. 48°-56' W.
60'

188+90

180+43
P.L.

42
Claude C. Simons
L.L. Simons, Guardain
Farmdale Ohio.

44
Geo. M. & Martha J. Fogle
Farmdale Ohio.
R.F.D. #1

47
H. L. Tracy
Kinsman, Ohio.
R.F.D. # 3

196
193+64
P.L.

48
Henry Lee & Euphemia Tracy
Kinsman, Ohio.
R.F.D. No. 3

194+94
P.L.

49
Everett Fenn
Kinsman, Ohio
R.F.D. # 3

198+77
P.L.

51
G.G. Wall
Kinsman, Ohio.
R.F.D. # 3

N. 2°-43' E.

180 185 190 195 200 205 210

N. 3°-09'-30" E.

N. 16°-05'-30" E.

43
Claude C. Simons
L.L. Simons, Guardain
Farmdale, Ohio

45
Claude C. Simons
L.L. Simons, Guardain
Farmdale, Ohio.

PL.
182+74

46
George Fogle
Farmdale Ohio.
R.F.D. #1

PL.
194+59

50
G.G. Wall
Kinsman, Ohio.
R.F.D. # 3

P.C. 202+59.47

Sta. 204+21.80
Δ 12°-53' Rt.
D 4°-00'
R 1432.39'
E 9.17'
T 162.33'
L 323.33'

P.T. 205+82.80

50'
60'

BURNELL EAST RD.
No. 281
60'

224+13.07

N. 67°-59'-30" E.

228+87.42
℄ Curve Crosses old ℄

230+35.27
℄ Curve Crosses old ℄

52
G.G. Wall
Kinsman, Ohio.
R.F.D. # 3

225 230 235

60'

51
G.G. Wall
Kinsman, Ohio.
R.F.D. # 3

P.C. 217+28.14

Sta. 228+53.68
Δ 78°-54' Rt.
D 4°-24'
R 1302.18'
E 384.20'
T 1071.54'
L 1793.18'

P.T. 235+75.32

220 215

N. 16°-05'-30" E.

210

50
G.G. Wall
Kinsman, Ohio.
R.F.D. # 3

238+64
P.L.

238+00

G.G. Wall
Ivan C. & Mary E. Fisher

N. 3°-56'-30" E.

53
Ivan C. & Mary E. Fisher
Kinsman, Ohio.
R.F.D. # 3

G.G. Wall
Ivan C. & Mary E. Fisher

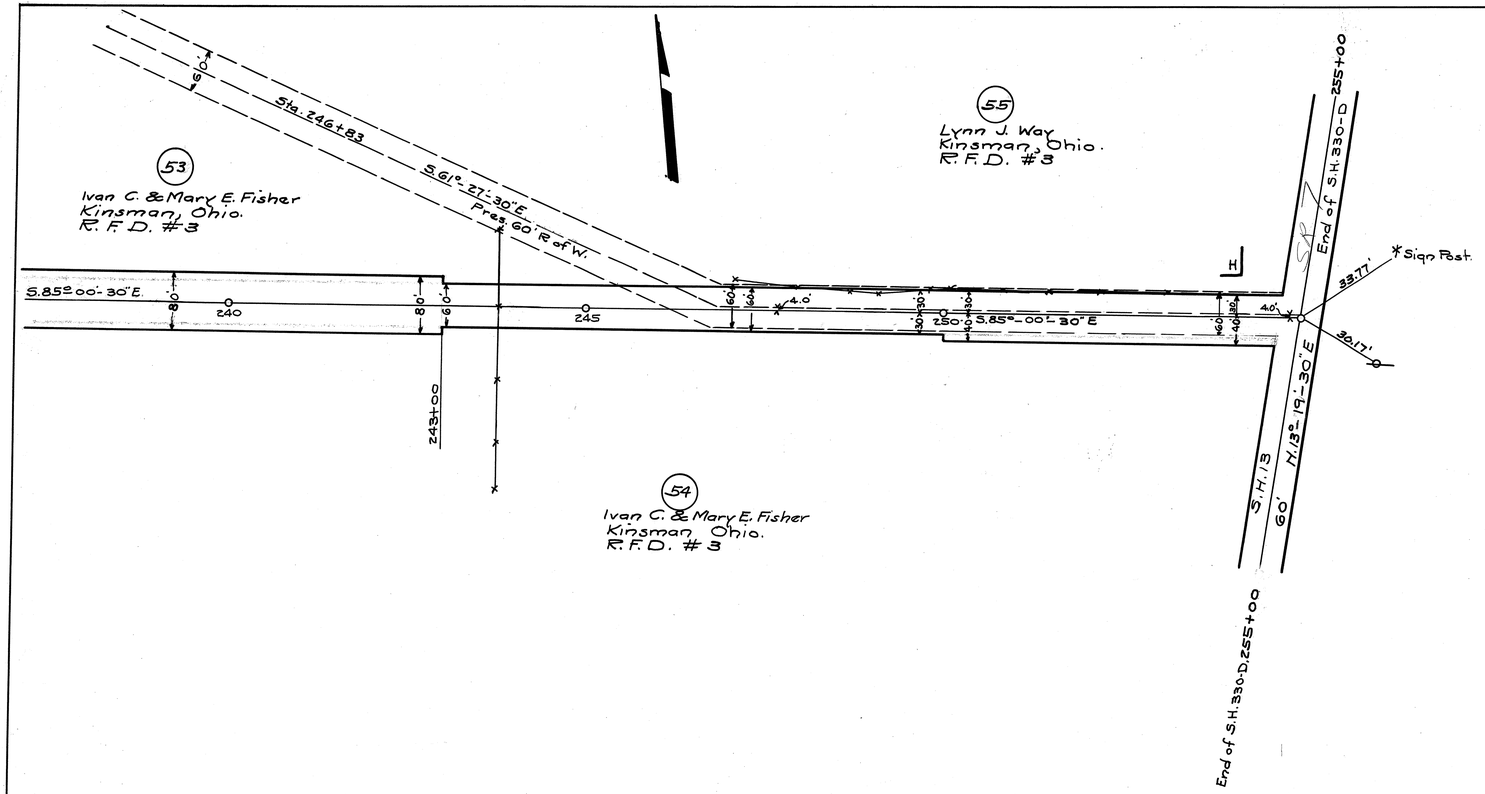
54
Ivan C. & Mary E. Fisher
Kinsman, Ohio.
R.F.D. # 3

60'
80'
240
S. 85°-00'-30" E.
80'

TRUMBULL COUNTY
S. H. 330 SEC. D
RIGHT OF WAY PLANS.

5/5

S.R. 5



LOGGED ....TI 29 32....

R/W Form 14
Monument Report
Revised 6-1-29—D

Sheet 1 of 1 sheets.

RIGHT OF WAY MONUMENT REPORT

I. C. H. 330 SECTION D COUNTY Trumbull DIVISION 4

Dist. Out Left	Center Line Station	Dist. Out Right	Dist. Out Left	Center Line Station	Dist. Out Right	Dist. Out Left	Center Line Station	Dist. Out Right
33'	0-100(PT.)	33'	30'	140+05.65(PT)	-	✓		
30'	0-100(Pt)	30'	30'	145+00	30'	✓		
30'	5+00	30'	30'	150+00	30'	✓		
30'	10+00	30'	30'	153+36.16(PC)	30'	✓		
30'	16+35.5(PC)	30'	159+50		30'	✓		
30'	23+25.08(PT)	30'	30'	165+69.28(PT)	30'	✓		
30'	27+00	30'	30'	170+00	30'	✓		
40'	27+00	40'	30'	175+00	30'	✓		
40'	32+77.45(PC)	40'	30'	180+00	30'	✓		
	39+32.03(PT)	40'	30'	185+00	30'	✓		
40'	42+00	40'						
✓ 30'	42+00	30'						
30'	49+50	30'	30'	191+00	30'	✓		
✓ 30'	55+08.88(PC)	30'	30'	196+00	30'	✓		
✓ 30'	60+00	30'	30'	200+00	30'	✓		
✓ 30'	65+00	30'	30'	202+59.47(PC)	30'	✓		
✓ 30'	69+00	30'	30'	205+82.80	30'	✓		
✓ 30'	74+00	30'	30'	211+00	30'	✓		
30'	79+18.88(PT)	30'	30'	217+82.14	30'	✓		
✓ 30'	84+90	30'	30'	224+00	30'	✓		
✓ 30'	90+05	30'	30'	230+00	30'	✓		
✓ 30'	96+87.52(PC)	30'	30'	235+75.32(PT)	30'	✓		
✓ 30'	100+00	30'	30'	238+00	30'	✓		
✓ 30'	104+50	30'	40'	238+00	40'	✓		
✓ 30'	110+15.85(PT)	30'	40'	243+00	40'			
✓ 30'	116+00	30'	30'	243+00	30'			
✓ 30'	121+36.65(PC)	30'	30'	250+00	30'			
✓ 30'	126+00	30'		250+00	40'			
✓ 30'	131+00	30'						
✓ 30'	136+00	30'						

Submitted herewith is a record of Standard Concrete Monuments placed on Right of Way lines of the above highway.

September 15, , 1932

R. G. Taylor
W. C. Hoff.
Division Engineer.

SP 5

TRUMBULL COUNTY
S.H. 330 SEC. D
RIGHT OF WAY PLANS
JOHNSTON TWP.
VERNON TWP, T.6N-R.1W
KINSMAN TWP

1/5

N. 45° 00' E.

Clara E. Cook
Dorset, Ohio.

Clara E. Cook
Dorset, Ohio.

P.L. 7+62

J.C. Bascom
Farmdale Ohio.
R.F.D. No. 1

P.L. 15+72

Samuel P. Nesbitt
Farmdale Ohio
R.F.D. No. 1

P.C. 16+35.50

Sta. 19+87.11
Δ 27° 35' Rt.
D 4° 00'
R 1432.39'
E 42.40'
T 351.61'
L 689.58'

Samuel P. Nesbitt.
Farmdale Ohio.
R.F.D. No. 1

P.L. 15+86

P.L. 20+96

P.T. 23+25.08

P.L. 22+04

Mary M. Brown
Box 44 R.F.D. # 3
Youngstown, Ohio.

Mary M. Brown
Box 44 R.F.D. # 3
Youngstown, Ohio.

P.L. 26+04

Henry J. Beebe
24 1/2 N. Fruit St.
Youngstown, Ohio.

N. 72° 35' E.

P.L. 28+88

P.L. 29+40

N.Y.C. R.R. Co.

P.L. 30+44

E & D. Divjak

N.Y.C. R.R. Co.

P.L. 30+44

N. 72° 35' E.

Low Grade

Mary M. Brown

206.90

P.L. 34+53

S. 84° 15' E. 272.40

N. 22° 52' E. 380'

P.C. 32+77.45

Sta. 36+10.57
Δ 26° 11' Lt.
D 4° 00'
R 1432.39'
E 38.22'
T 333.12'
L 654.58

P.T. 39+32.03

Katey & Dann Divjak
Steubenville, Ohio.

Katey & Dann Divjak
Steubenville, Ohio.

42+00

N. 46° 24' E.

47+50

48+60

N. 45° 48' E

49+71

11.00'

P.L. 50+20

N. 59° 54' E

N. 59° 15' E 206.2'

N. 71° 32' E 205.13'

Afton & Mary Daby

Afton & Mary Daby.
2628 E. 65th St.
Cleveland, Ohio.

P.C. 55+08.88

P.L. 55+33

Thomas K. Hain
Farmdale Ohio.
R.F.D. #1

Thomas K. Hain
Farmdale Ohio
R.F.D. #1

N. 18° 35' E 94.5'

N. 56° 05' E 107.6

N. 79° 59' E 386.97'

N. 12° 11' W. 473.1'

P.L. 59+31

The 1621 East 78th St. Co.
Cleveland Ohio.

The 1621 E. 78th St. Co.

Sta. 67+18.36
Δ 12° 03' Rt.
D 0° 30'
R 11459.16'
E 63.72'
T 1209.48'
L 2410.00'
No Extra Pav.
No Super-elevation.

TRUMBULL COUNTY
S.H. 330 SEC. D
RIGHT OF WAY PLANS
S.R. 5

2/5

(20) Simeon Standley
Farmdale Ohio
R.F.D. #1

(19) The 1621 East 78th St. Co.

(18) The 1621 East 78th St Co
Cleveland, Ohio

(21) The 1621 E. 78th St. Co.

(22) The 1621 East 78th St Co.
Cleveland, Ohio.

(23) Chas. F. Logan
1319 Republic Ave
Youngstown, Ohio

(24) Silas S. Draa
Farmdale Ohio.
R.F.D. #1

(25) John M. Straw
Farmdale, Ohio.
R.F.D. #1

(26) Halbert H. Haynes.
3286 Riverside Drive
West Park, Ohio.

(27) Wm & Maggie Hanawalt.
Farmdale Ohio
R.F.D. #1.

(28) Edward & Elizabeth A. Henry
Farmdale, Ohio
R.F.D. #1

(29) Marshall Coursen
Sta. A. R.F.D. #1
Youngstown Ohio.
Supt. Campbell Schools.

68+93 P.I.

N. 78° 54' E. 386.9'

N. 81° 35' E. 193.0'

N. 62° 08' E. 397.0'

N. 66° 59' E. 381.6'

N. 66° 55' E. 540.00'

67+88 P.I.

N. 65° 50' E.

Sta. 67+18.36
Δ 12° 03' Rt.
D 0° 30'
R 63.72'
T 1209.48'
L 2410.00

JOHNSTON TWP
VERNON TWP.

68+93

142.4'

253.5'

N. 61° 78' E.

P.T. 79+18.88

79+11 P.I.

81+27 P.I.

N. 58° 27' E.

HAYNES SOUTH RD. No 253
40'
N. 5° 09' E.

86+01

N. 58° 27' E.

295.90'

N. 85° 58' W.

98+51 P.I.

Chas. F. Logan
1319 Republic Ave
Youngstown, Ohio.

P.C. 96+87.52

Sugar Creek

Sta. 104+33.77
Δ 53° 08' Lt.
D 4° 00'
R 1432.39
E 169.10
T 716.25
L 1328.33

N 14°

W. New Channel Length 320'

Present Channel

101+46.50 ℄ crosses old ℄

104+85.0 ℄ crosses old ℄

N. 53° 19' E.

25° 08'

28° 00'

335.62'

110+25 P.I.

N. 84° 41' W.

110+15.55 P.T.

Edward & Elizabeth A. Henry
Farmdale, Ohio
R.F.D. #1

N. 5° 19' E.

N. 84° 41' W.

116+10 P.I.

Marshall Coursen
Sta. A. R.F.D. #1
Youngstown Ohio.
Supt. Campbell Schools.

120

TRUMBULL COUNTY
S.H. 330 SEC. D
RIGHT OF WAY PLANS

S.R. 5

3/5

129+37 P.L.

(30) Elizabeth Henry, Farmdale Ohio, R.F.D. #1

(28) Edward & Elizabeth Henry, Farmdale Ohio. R.F.D. #1

N. 14° 28' W.

1109.5

18° 31'-30"

269.50'

139+75 P.L.

141+04 P.L.

N.Y.C.R.R. Co. H.O. 50-30

28° 12'

16'

130

135

N. 33° 31' E.

505.25

125

(31) Elizabeth Henry, Farmdale, Ohio. R.F.D. #1.

(33)

(34) O.C. Emhoff, Orwell, Ohio

143

(32)

145

N. 52° 02' 30" E.

℄ crosses old ℄ 136+56.25

N.Y.C.R.R. Co. HIGH GRADE

P.L. 139+75

P.L. 141+04

P.T. 140+05.65

℄ crosses old ℄ 134+23.75

P.L. 129+37

Sta. 131+26.64
Δ 46°-43'-30" Rt.
D 2°-30'
R 2291.83
E 204.68'
T 989.99
L 1869.00

N. 52° 17' E.

9.0

7.0

9.0

P.C. 127+36.16

(29) Marshall Coursen, Sta. A. R.F.D. #1, Youngstown, Ohio.

(35) O.C. Emhoff, Orwell, Ohio.

150

5.0

7.0

(36) O.C. Emhoff

BUSHNELL CAMPBELL RD. NO. 185 S.O. T. 142° 57'-30" W.

148+84

N. 52° 02' 30" E.

9.0

150

5.0

7.0

(34) O.C. Emhoff, Orwell, Ohio.

Sta. 159+93.86
Δ 49°-19'-30" Lt.
D 4°-00'
R 1432.39'
E 143.78'
T 657.70'
L 1233.12'

P.C. 153+36.16

140

155

419.14'

Sugar Creek (Old Channel)

New Channel

74.00

℄ crosses old ℄

140

159+93.86 ℄ crosses old ℄

N. 16° 49' E.

163+10 P.L.

164+57.50 ℄ crosses old ℄

P.T. 165+49.28

(38) Thomas Caufffield, Farmdale Ohio. R.F.D. #1

(39) Claude C. Simons

170+55 P.L.

VERNON TWP. — 172+11 — KINSMAN TWP.

(42) Claude C. Simons, L.L. Simons, Guardain. Farmdale Ohio.

N. 2° 43' E.

180

5.0

7.0

160

165

170

175

35°-13'-30"

14°-06'

747.40

92.89'

(37) Thomas Caufffield, Farmdale Ohio. R.F.D. #1.

(40) Rettie & David Lees

Rettie & David Lees, 610 Columbia Circle, Warren, Ohio.

(41)

(43) Claude C. Simons, L. L. Simons, Guardain, Farmdale Ohio.

P.L. 163+10

P.L. 170+55

P.L. 174+91

172+11

N. 88° 01' W.

TRUMBULL COUNTY
S.H. 330 SEC. D
RIGHT OF WAY PLANS

4/5

S.R. 5

I.P. Sta. 188+90.00
Δ 0°-26'-30" Rt.
D 3°44'
55.09'

188+90
No. 279
60'
N. 48°-07' W.

MAYBURN CORS. BARCLAY RD.
N. 48°-56' W.
60'

188+90

180+43
P.L.

42
Claude C. Simons
L.L. Simons, Guardain
Farmdale Ohio.

44
Geo. M. & Martha J. Fogle
Farmdale Ohio.
R.F.D. #1

47
H. L. Tracy
Kinsman, Ohio.
R.F.D. # 3

196
193+64
P.L.

48
Henry Lee & Euphemia Tracy
Kinsman, Ohio.
R.F.D. No. 3

194+94
P.L.

49
Everett Fenn
Kinsman, Ohio
R.F.D. # 3

198+77
P.L.

51
G.G. Wall
Kinsman, Ohio.
R.F.D. # 3

N. 2°-43' E.

180 185 190 195 200 205 210

N. 3°-09'-30" E.

N. 16°-05'-30" E.

43
Claude C. Simons
L.L. Simons, Guardain
Farmdale, Ohio

45
Claude C. Simons
L.L. Simons, Guardain
Farmdale, Ohio.

PL.
182+74

46
George Fogle
Farmdale Ohio.
R.F.D. #1

PL.
194+59

50
G.G. Wall
Kinsman, Ohio.
R.F.D. # 3

P.C. 202+59.47

Sta. 204+21.80
Δ 12°-53' Rt.
D 4°-00'
R 1432.39'
E 9.17'
T 162.33'
L 323.33'

P.T. 205+82.80

50'
60'

BURNELL EAST RD.
No. 281
60'

224+13.07

N. 67°-59'-30" E.

228+87.42
℄ Curve Crosses old ℄

230+35.27
℄ Curve Crosses old ℄

52
G.G. Wall
Kinsman, Ohio.
R.F.D. # 3

225 230 235

60'

51
G.G. Wall
Kinsman, Ohio.
R.F.D. # 3

P.C. 217+28.14

Sta. 228+53.68
Δ 78°-54' Rt.
D 4°-24'
R 1302.18'
E 384.20'
T 1071.54'
L 1793.18'

P.T. 235+75.32

220 215

N. 16°-05'-30" E.

210

50
G.G. Wall
Kinsman, Ohio.
R.F.D. # 3

238+64
P.L.

238+00

G.G. Wall
Ivan C. & Mary E. Fisher

N. 3°-56'-30" E.

53
Ivan C. & Mary E. Fisher
Kinsman, Ohio.
R.F.D. # 3

G.G. Wall
Ivan C. & Mary E. Fisher

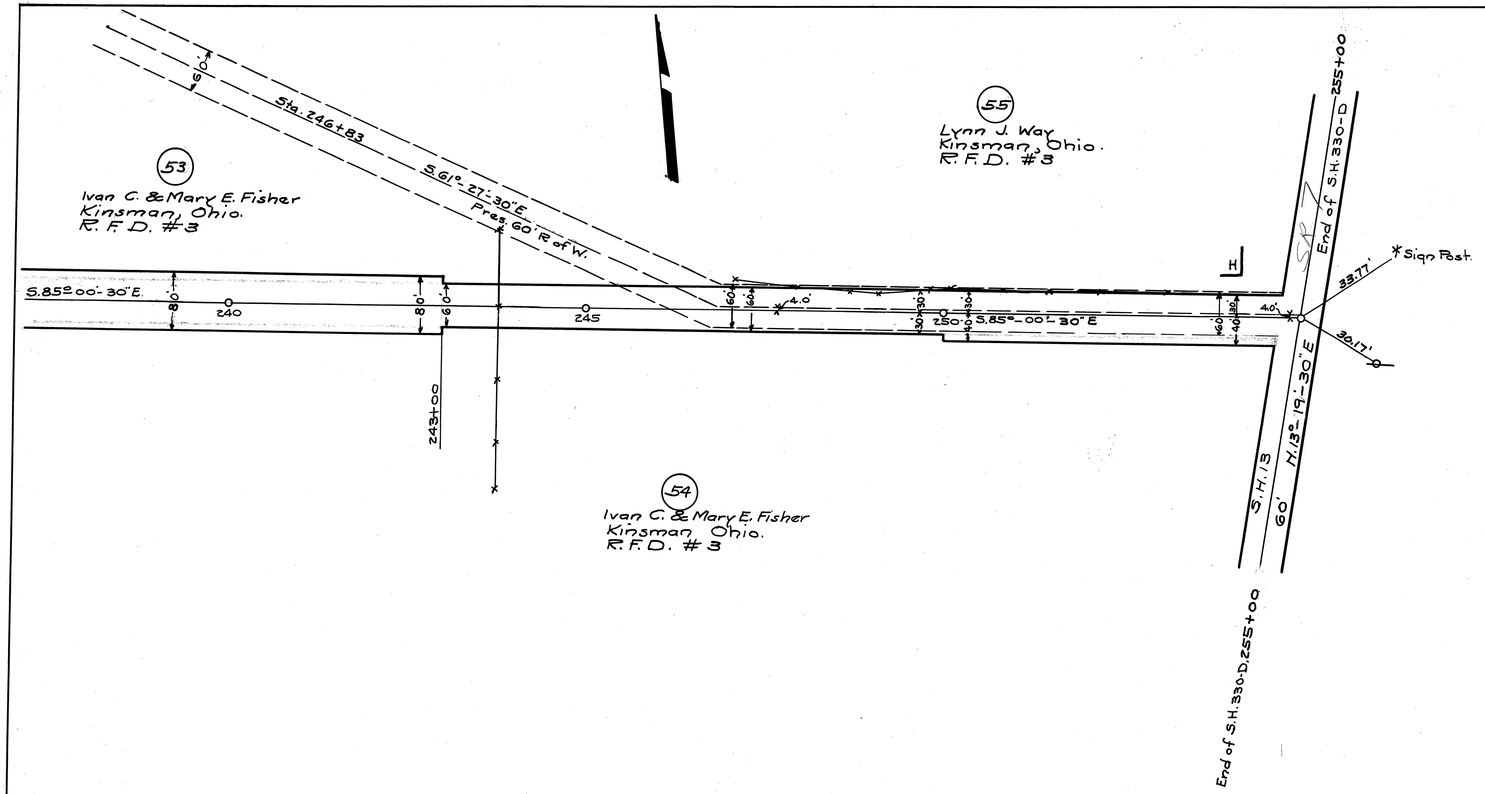
54
Ivan C. & Mary E. Fisher
Kinsman, Ohio.
R.F.D. # 3

60'
80'
240
S. 85°-00'-30" E.
80'

TRUMBULL COUNTY
S. H. 330 SEC. D
RIGHT OF WAY PLANS.

5/5

S.R. 5



LOGGED ....TI 29 32....

R/W Form 14
Monument Report
Revised 6-1-29—D

Sheet 1 of 1 sheets.

RIGHT OF WAY MONUMENT REPORT

I. C. H. 330 SECTION D COUNTY Trumbull DIVISION 4

Dist. Out Left	Center Line Station	Dist. Out Right	Dist. Out Left	Center Line Station	Dist. Out Right	Dist. Out Left	Center Line Station	Dist. Out Right
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✓ 30'	42+00	30'						
30'	49+50	30'	30'	191+00	30'	✓		
✓ 30'	55+08.88(PC)	30'	30'	196+00	30'	✓		
✓ 30'	60+00	30'	30'	200+00	30'	✓		
✓ 30'	65+00	30'	30'	202+59.47(PC)	30'	✓		
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✓ 30'	74+00	30'	30'	211+00	30'	✓		
30'	79+18.88(PT)	30'	30'	217+82.14	30'	✓		
✓ 30'	84+90	30'	30'	224+00	30'	✓		
✓ 30'	90+05	30'	30'	230+00	30'	✓		
✓ 30'	96+87.52(PC)	30'	30'	235+75.32(PT)	30'	✓		
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✓ 30'	110+15.85(PT)	30'	40'	243+00	40'			
✓ 30'	116+00	30'	30'	243+00	30'			
✓ 30'	121+36.65(PC)	30'	30'	250+00	30'			
✓ 30'	126+00	30'		250+00	40'			
✓ 30'	131+00	30'						
✓ 30'	136+00	30'						

Submitted herewith is a record of Standard Concrete Monuments placed on Right of Way lines of the above highway.

September 15, , 1932

R. G. Taylor
W. C. Hoff.
Division Engineer.