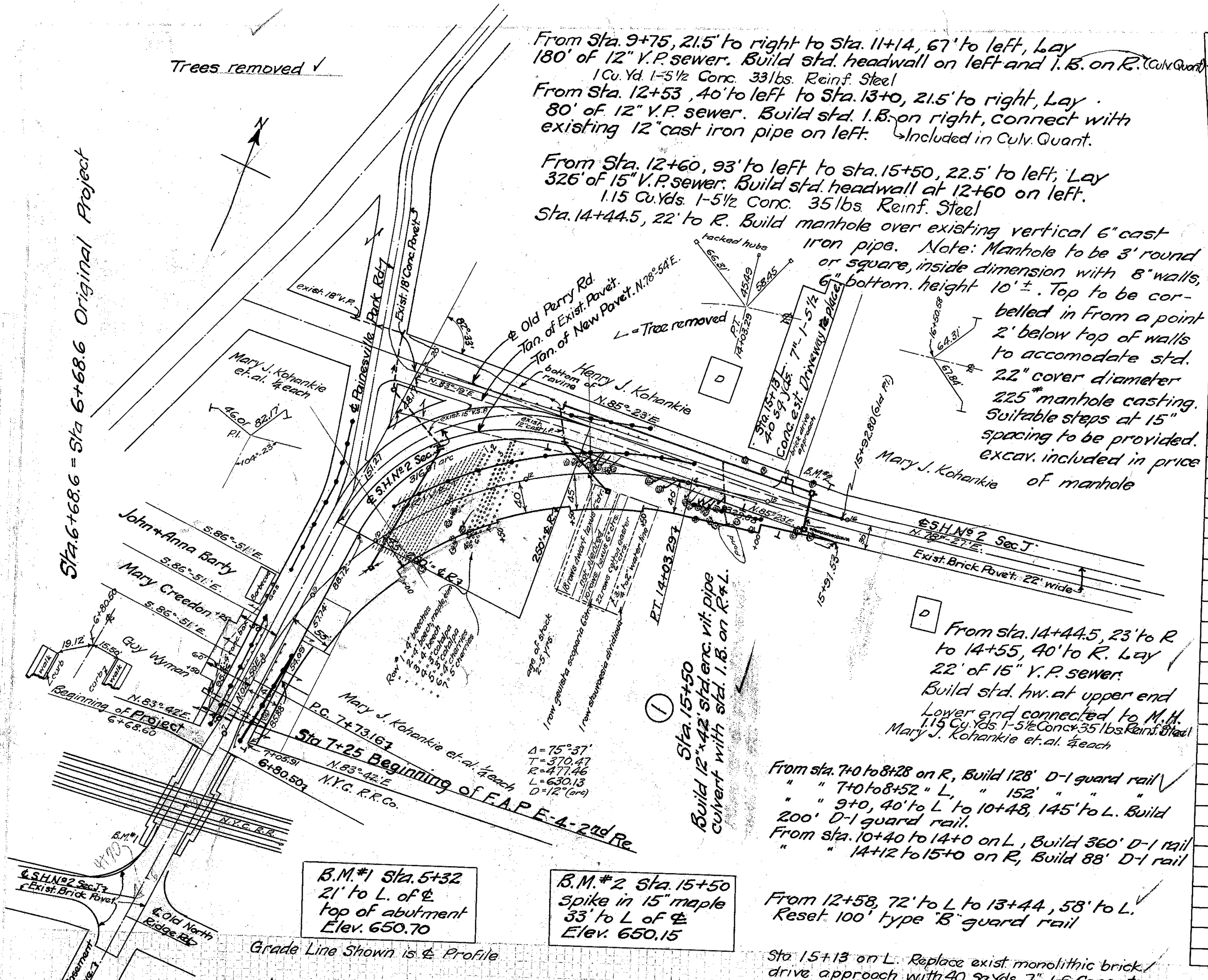
FED. AID PROJECT	STATE	FED. RD. DIST. No	FISCAL YEAR
E-4 2nd Re	OHIO	10	1932

4/31

S.H. No 2 Sec. J (Part) Widening
LAKE COUNTY



From Sta. 9+75, 21.5' to right to Sta. 11+14, 67' to left, Lay 180' of 12" V.P. sewer. Build std. headwall on left and I.B. on R. (Culv. Quant.)
1 Cu. Yd. 1-5½ Conc. 33 lbs. Reinf. Steel

From Sta. 12+53, 40' to left to Sta. 13+0, 21.5' to right, Lay 80' of 12" V.P. sewer. Build std. I.B. on right, connect with existing 12" cast iron pipe on left. (Included in Culv. Quant.)

From Sta. 12+60, 93' to left to sta. 15+50, 22.5' to left; Lay 326' of 15" V.P. sewer. Build std. headwall at 12+60 on left.
1.15 Cu. Yds. 1-5½ Conc. 35 lbs. Reinf. Steel

Sta. 14+44.5, 22' to R. Build manhole over existing vertical 6" cast iron pipe. Note: Manhole to be 3' round or square, inside dimension with 8" walls, 6" bottom. height 10' ±. Top to be corbelled in from a point 2' below top of walls to accomodate std. 22" cover diameter 225# manhole casting. Suitable steps at 15" spacing to be provided. excav. included in price of manhole

From sta. 14+44.5, 23' to R to 14+55, 40' to R. Lay 22' of 15" V.P. sewer. Build std. hw. at upper end Lower end connected to M.H.
1.15 Cu. Yds. 1-5½ Conc + 35 lbs Reinf. Steel
Mary J. Kohankie et. al. ¼ each

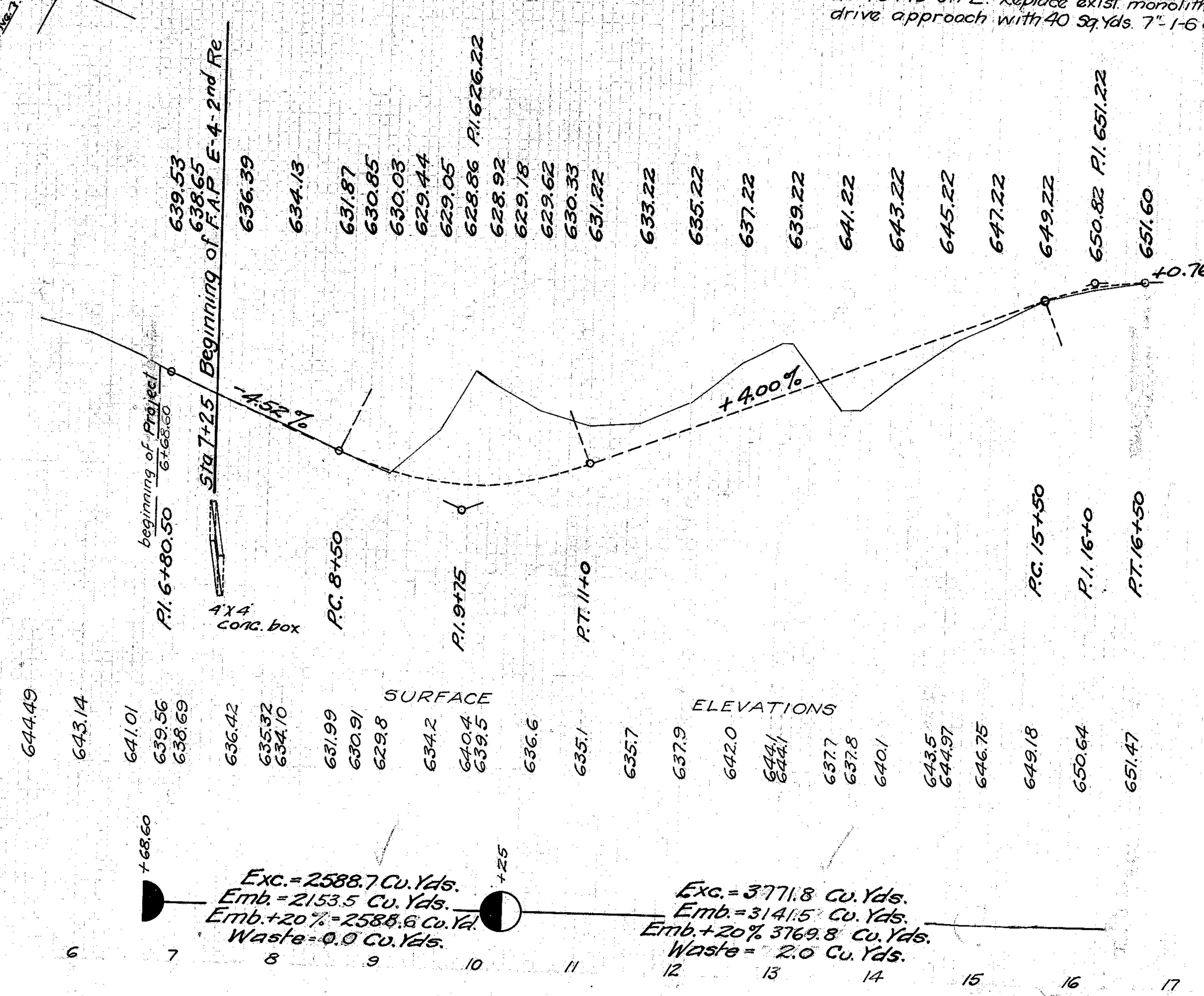
From sta. 7+0 to 8+28 on R, Build 128' D-1 guard rail
" " 7+0 to 8+52 " L, " 152' " " "
" " 9+0, 40' to L to 10+48, 145' to L. Build 200' D-1 guard rail.
From sta. 10+40 to 14+0 on L, Build 360' D-1 rail
" " 14+12 to 15+0 on R, Build 88' D-1 rail

From 12+58, 72' to L to 13+44, 58' to L. Reset 100' type "B" guard rail

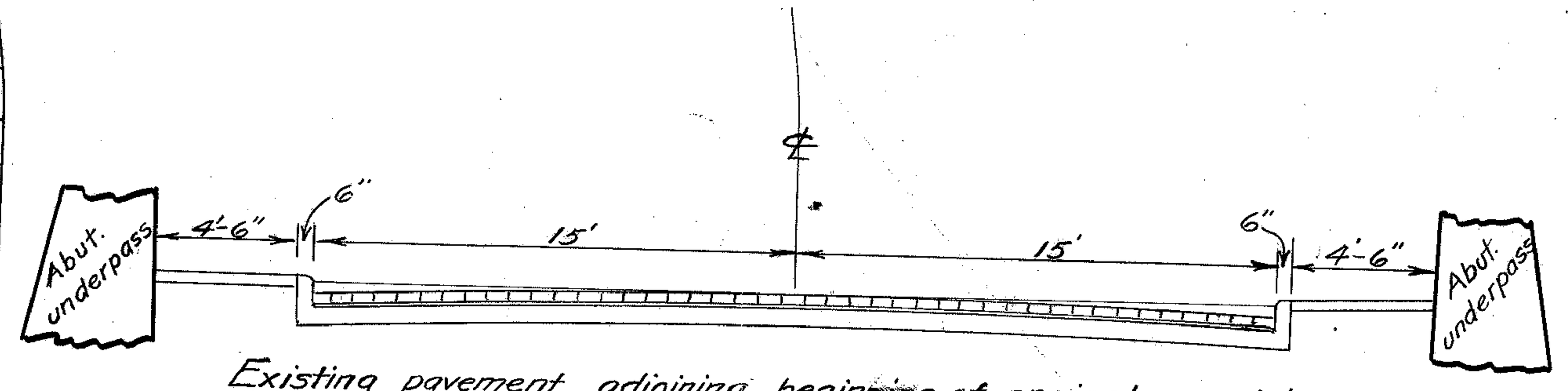
Sta 15+13 on L. Replace exist. monolithic brick drive approach with 40 Sq. Yds. 7"-1-6 Concrete.

B.M. #1 Sta. 5+32 21' to L. of ℄ top of abutment Elev. 650.70	B.M. #2 Sta. 15+50 Spike in 15" maple 33' to L of ℄ Elev. 650.15

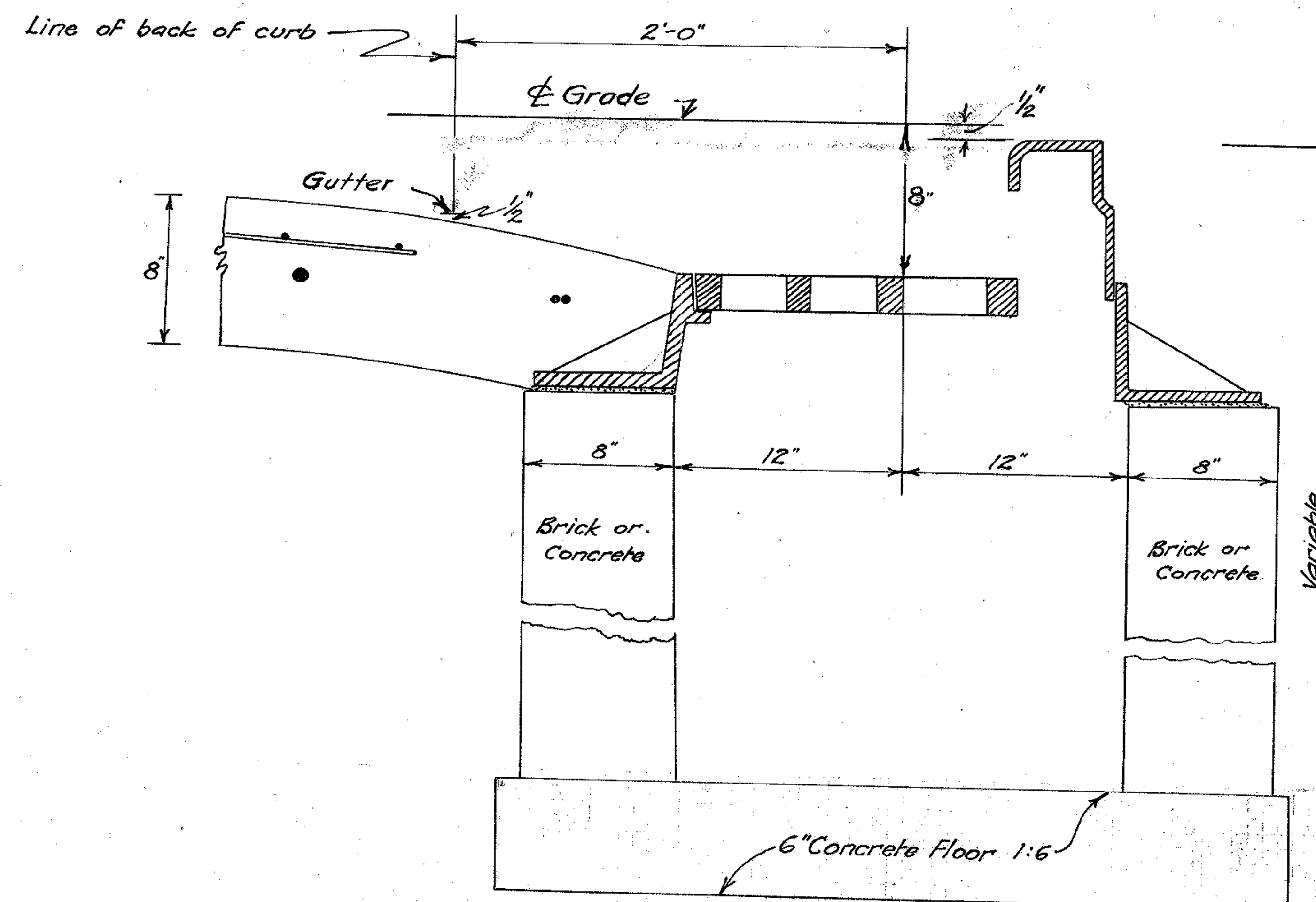
Grade Line Shown is ℄ Profile



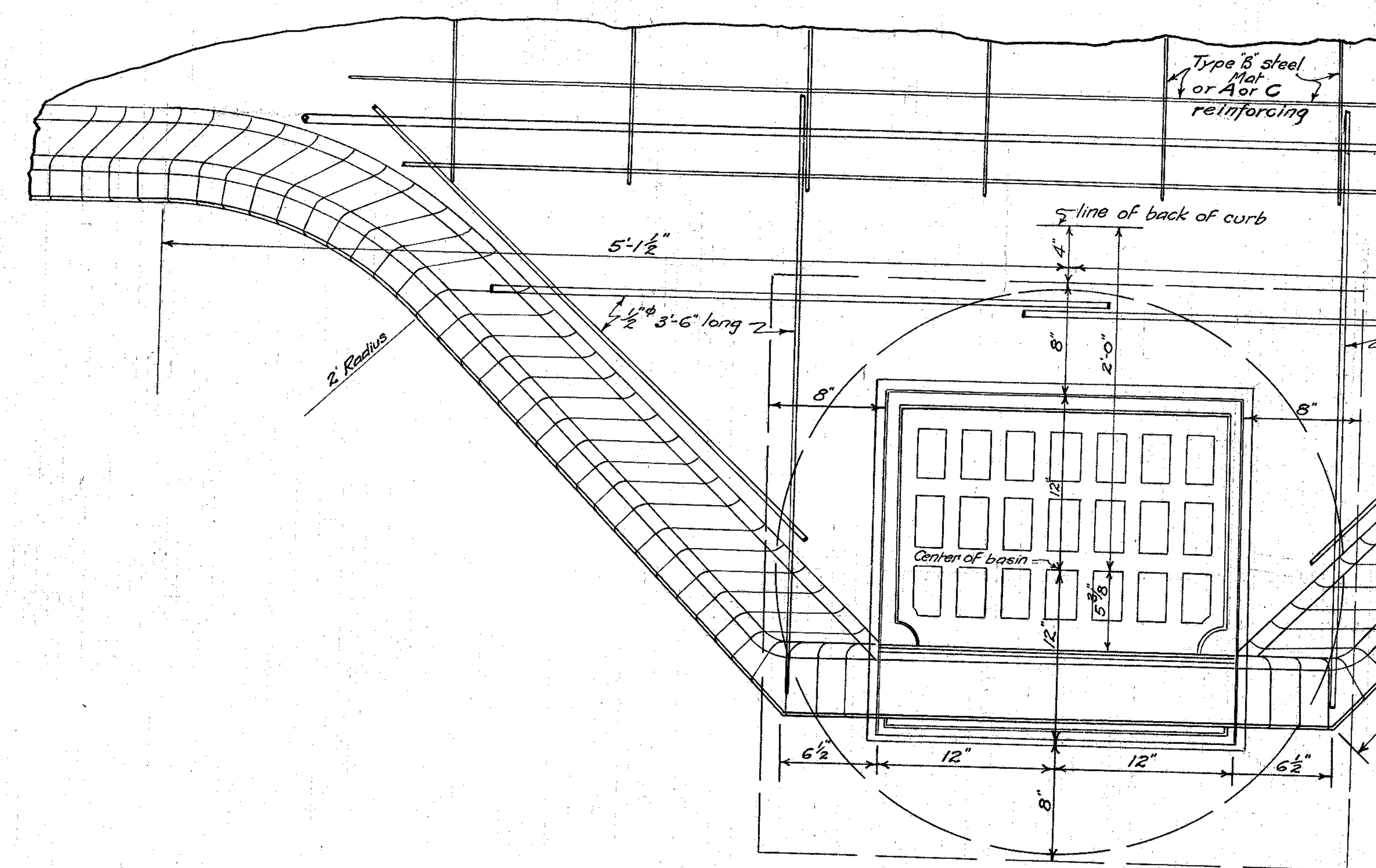
STA. 6+73.16 TO STA. 15+03.29								
LEFT			CENTER LINE			RIGHT		
Add to R.edge	El.edge	Width	Station	Deflection	Grade	Width	El.edge	Deduct From ℄
0.00	639.66	15	6+73.16		639.86	15	639.66	0.20
0.03	639.69	15	6+75		639.78	15	639.58	0.20
0.50	638.93	15	7+0		638.65	16	638.43	0.22
0.97	638.25	15	7+25		637.52	17	637.28	0.24
1.44	637.57	15	7+50		636.39	18	636.13	0.26
1.89	636.94	15	P.C. 7+73.16	0°-00'	635.34	19	635.05	0.29
1.91	636.88	15	7+75	0°-36'-37"	635.26	19	634.97	0.29
2.38	636.20	15.5	8+0	1°-36'-37"	634.13	20	633.82	0.31
2.84	635.61	17.4	8+23.16	2°-59'-52"	633.08	20	632.77	0.31
2.84	635.53	17.5	8+25	3°-06'-37"	633.00	20	632.69	0.31
2.84	634.40	20	8+50	4°-36'-37"	631.87	20	631.56	0.31
2.84	633.38	20	8+75	6°-06'-37"	630.85	20	630.54	0.31
2.84	632.56	20	9+0	7°-36'-37"	630.03	20	629.72	0.31
2.84	631.97	20	9+25	9°-06'-37"	629.44	20	629.13	0.31
2.84	631.58	20	9+50	10°-36'-37"	629.05	20	628.74	0.31
2.84	631.39	20	9+75	12°-06'-37"	628.86	20	628.55	0.31
2.84	631.45	20	10+0	13°-36'-37"	628.92	20	628.61	0.31
2.84	631.71	20	10+25	15°-06'-37"	629.18	20	628.87	0.31
2.84	632.15	20	10+50	16°-36'-37"	629.62	20	629.31	0.31
2.84	632.86	20	10+75	18°-06'-37"	630.33	20	630.02	0.31
2.84	633.75	20	11+0	19°-36'-37"	631.22	20	630.91	0.31
2.84	634.75	20	11+25	21°-06'-37"	632.22	20	631.91	0.31
2.84	635.75	20	11+50	22°-36'-37"	633.22	20	632.91	0.31
2.84	636.75	20	11+75	24°-06'-37"	634.22	20	633.91	0.31
2.84	637.75	20	12+0	25°-36'-37"	635.22	20	634.91	0.31
2.84	638.75	20	12+25	27°-06'-37"	636.22	20	635.91	0.31
2.84	639.75	20	12+50	28°-36'-37"	637.22	20	636.91	0.31
2.84	640.75	20	12+75	30°-06'-37"	638.22	20	637.91	0.31
2.84	641.75	20	13+0	31°-36'-37"	639.22	20	638.91	0.31
2.84	642.75	20	13+25	33°-06'-37"	640.22	20	639.91	0.31
2.84	643.75	20	13+50	34°-36'-37"	641.22	20	640.91	0.31
2.84	643.88	20	13+53.29	34°-48'-28"	641.35	20	641.04	0.31
2.41	644.32	20	13+75	36°-06'-37"	642.22	20	641.91	0.31
1.94	644.85	20	14+0	37°-36'-37"	643.22	20	642.91	0.31
1.88	644.92	20	P.T. 14+03.29	37°-48'-30"	643.35	20	643.04	0.31
1.47	645.38	20	14+25		644.22	20	643.91	0.31
1.00	645.91	20	14+50		645.22	20	644.91	0.31
0.53	646.44	20	14+75		646.22	20	645.91	0.31
0.06	646.97	20	15+0		647.22	20	646.91	0.31
0.00	647.04	20	15+03.29		647.35	20	647.04	0.31



Existing pavement adjoining beginning of project consists of 4" lug brick, asphalt filler, ¾ granulated slag cushion on a 7" concrete base course 1:7½ mix, with integral concrete raised curbs (6" x 10¾) Pavement has 4" crown - 30' roadway.



SECTION THRU CENTER OF BASIN



PLAN

DETAIL OF INLET BASINS
Note: All concrete, reinforcing steel and excavation in back of curb line to be included in basin price