

LIST OF STRUCTURES

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	233-C (I)	3	

Revised for: C.M.P. 5-19-39 S.F.C.
Revised for: Non Federal Aid Items 7-7-39 S.F.C.

	LOCATION	DESCRIPTION	REMOVE STRUCT. NO. KIND	EXCAVATION CU. YD.		STRUCTURAL EXCAVATION CU. YD.			CEMENT RUBBLE MASONRY CU. YD.	REINF. STEEL LB.	CORRUGATED METAL PIPE LIN. FT.					GRAVEL SURF. TONS	REMOVE & RELAY C.M.P. LIN. FT.	MISCELLANEOUS	
				UNCL.	EMBT.	①						18"	24"	30"	36"				
OUTSIDE CITY LIMITS	274+00 278+50	Project Marker Remove and Relay 24"x50' C.M.P. Culvert, Intercepting Headwall, Inlet Ditch		10		35				2.30									Project Marker
	SUBTOTAL STA. 274+00 TO 282+00 OUTSIDE CITY LIMITS			10		35				2.30							50		
INSIDE CITY LIMITS	282+35 284+50 284+50	C.M.P. Culvert (Skew 70° Lt.) Hdwl, Outlet Dch. Road Approach & C.M.P. Side Drain Rt. Road Approach & C.M.P. under Appr. Lt.		250 300		50 5 5				3.70								50	
	SUBTOTAL STA. 282+00 TO 285+37 INSIDE CITY LIMITS				1043	60							30		122				
														26		200			
OUTSIDE CITY LIMITS	287+29 290+15 290+50 291+40 293+78 297+95 300+25 302+40 303+00 305+00	Headwall for 24"x68' C.M.P. Culvert, C.M.P. Culvert (Skew 60° Rt.) Intercepting Hdwl., Ditches. Remove Bridge Abutment on Lt. Int. Hdwl. for 24"x48' C.M.P. Culvert, Inlet. Int. Hdwl. for 24"x48' C.M.P. Culvert, Inlet. Extend 30"x78' C.M.P. Culvert 200' on Lt. Hdwl, Inlet. Extend 30"x40' C.M.P. Culvert 4' on Lt. Int. Hdwl. Remove 4 Masonry Bridge Pedestals and Log Crib C.M.P. Culvert, Intercepting Hdwl, Inlet Int. Hdwl. for 30"x54' C.M.P. Culvert, Ditches				5 65 25 15 5 10 40 15				3.70 2.05 2.30 2.30 2.80 2.70 2.70				30 148 50 20 4 44		200			Remove Bridge Abut. 1-30" Connecting Band 1-30" Connecting Band Remove 4 Masonry Bridge Pedestals & Log Crib
	SUBTOTAL STA. 285+37 TO 306+85 OUTSIDE CITY LIMITS					145													
INSIDE CITY LIMITS	308+22 312+48 313+80 316+10 316+50 318+ 318+50 319+00 320+50 322+ 323+50 325+ 326+46	Int. Hdwl. for 36"x56' C.M.P. Culvert, Inlet, Extend Culvert 8' on Rt. Int. Hdwl. for 24"x62' C.M.P. Culvert, Inlet. Headwall for 24"x86' C.M.P. Culvert. Remove foundation on Lt. C.M.P. Side Drain under Road Appr. Lt. Road Approach Rt. Extend 18' C.M.P. Side Drain 12' ft. Headwall for 30"x78' C.M.P. Culvert Headwall for 30"x66' C.M.P. Culvert, Inlet Clean ditch along Road Appr. on Rt. Int. Hdwl. for 24"x46' C.M.P. Culvert, Inlet Int. Hdwl. for 24" C.M.P. Culvert under Appr. approximately 100' ft. Rt. Remove and Relay 24"x44' C.M.P. Culvert (Sk. 60° Rt.) Extend 4' Headwall, Inlet				10 75 20 15 10 5 250 5 10 10 5 5 15				19.85 3.10 2.30 2.05 5 2.80 2.80 2.30 2.30 2.05				50 68 8 32 12 240 4				1-36" Connecting Band Remove foundation 2-18" Connecting Bands 1-24" Connecting Bands	
	SUBTOTAL STA. 306+85 TO 324+93 INSIDE CITY LIMITS					200	250	95									44		
OUTSIDE CITY LIMITS	326+ 326+ 329+00	Ditch across present road approx. 90' Lt. C.M.P. Side Drain under Brownell Street approximately 250' Lt. Extend 24"x50' C.M.P. Culvert 4' on Lt. Hdwl, Ditch across present road approx. 80' Lt.				50 10 5				19.70 2.05 2.05				44 4 8		530	44		
	SUBTOTAL STA. 324+93 TO 326+27 OUTSIDE CITY LIMITS					50													
INSIDE CITY LIMITS	326+ 334+50 336+50 337+36 337+ to 340+ 337+ to 34																		

R.O.W. MARKERS

	LOCATION	NUMBER	
		LEFT	RIGHT
OUTSIDE CITY LIMITS	274+00	1	
	275+56.5	2	
IN	278+38.7 Bk. = EQT.	2	
	278+40.3 Ah.	1	
OUTSIDE CITY LIMITS	281+50	1	
	282+00 (CITY LIM'S)	1	
OUTSIDE CITY LIMITS	295+80		1
	297+55		1
IN	301+43.4		1
	306+85 (CITY LIM'S)		1
OUTSIDE CITY LIMITS	307+00		1
	308+85	1	
INSIDE CITY LIMITS	311+25	2	
	315+00		2
OUTSIDE CITY LIMITS	321+00		2
	323+00		2
INSIDE CITY LIMITS	324+00	2	
	324+93 (CITY LIM'S)	1	1
OUTSIDE CITY LIMITS	325+70.5	2	
	326+27 (CITY LIM'S)	1	1
INSIDE CITY LIMITS	336+50		1
	340+50		1
TOTAL OUTSIDE CITY		12	
TOTAL INSIDE CITY		19	
PROJECT TOTAL		31	

① Structural Excavation is estimated to be 50% Common and 50% Rock, each of which is estimated to be 75% Dry and 25% Wet.
② Included in the price bid per linear foot of Corrugated Metal Pipe.
③ Included in Cross-sections.

* Included in Surfacing Plan

PROJECT MARKER POST

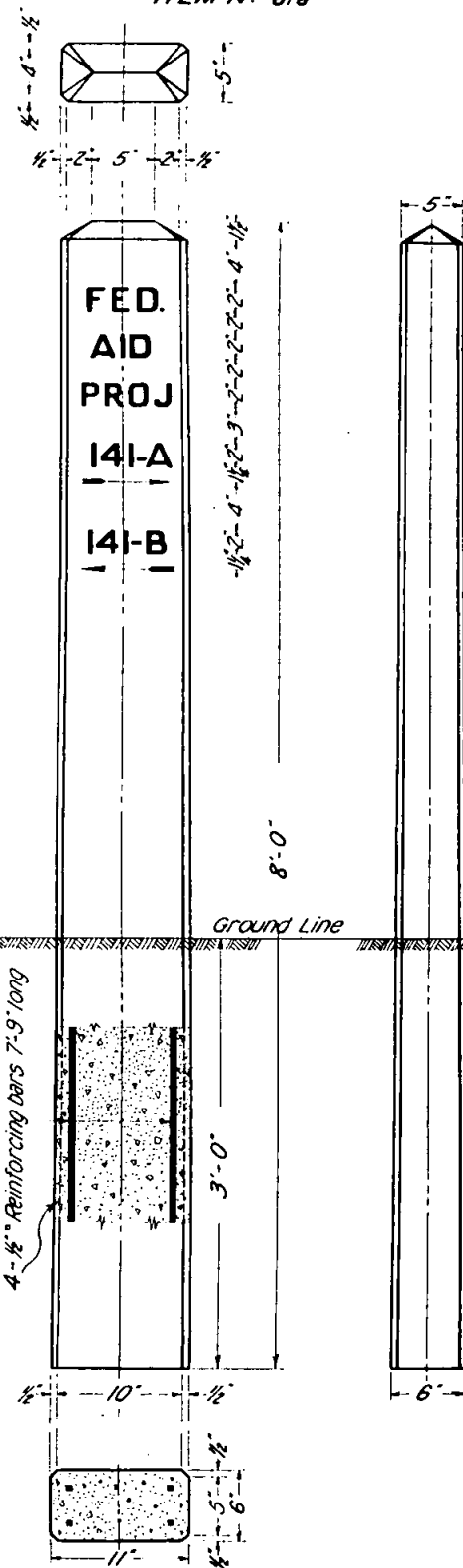
ITEM N° 818

RIGHT OF WAY MARKER POST

ITEM N° 816

STANDARD M-7-B

FED. ROAD DIST. NO.	STATE	F.A.P.	SHEET NO.	TOTAL SHEETS
3	COLO.	233-CP	8	

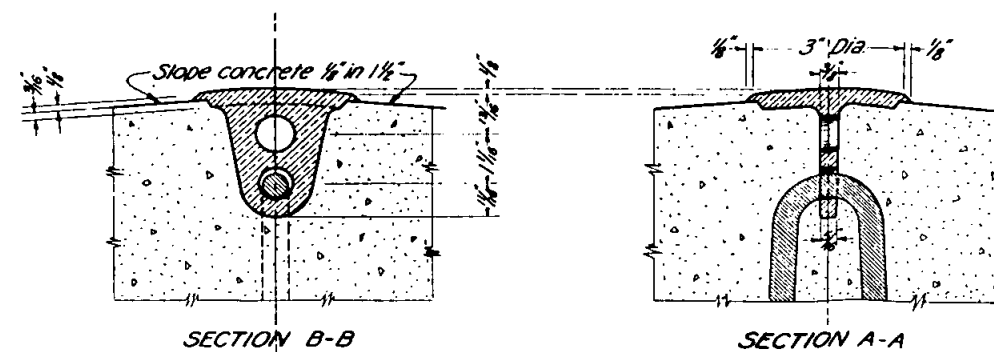
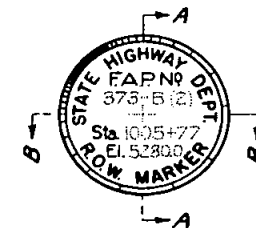


NOTES FOR PROJECT MARKER POSTS

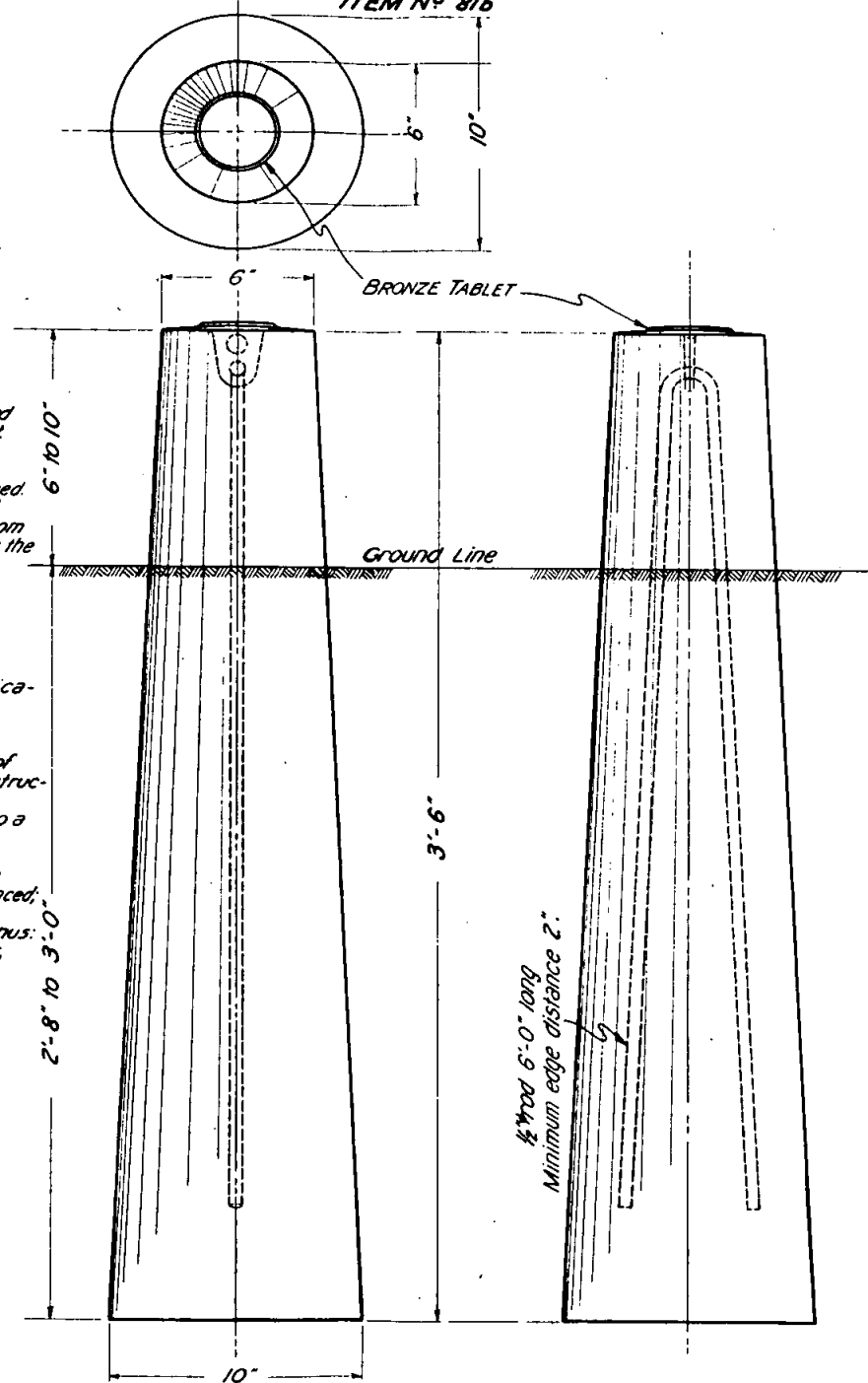
All work shall be done in accordance with the Standard Specifications of the Colorado State Highway Department, adopted June 1, 1937.
 Posts shall be made of Class "A" concrete, except use White Portland Cement.
 All exposed surfaces shall be rubbed free of form marks.
 All letters and numbers shall be 2" plain upright black, painted or stenciled on the concrete with a good quality of black paint. See item N° 41, "Second Field Coat - Dark".
 Numbers and arrows shall show the proper numbers and directions of the projects each way from where the post is placed.
 Post to be set with sign facing the road at the end of the project, two feet inside the R.O.W. line or at a point amply protected from traffic in such a position that the sign will indicate properly the projects to which it refers.

NOTES FOR R.O.W. MARKER POSTS

All work shall be done in accordance with the Standard Specifications of the Colorado State Highway Department, adopted June 1, 1937.
 Posts shall be made of Class "A" concrete.
 The upper 12 inches of marker posts shall be rubbed free of form marks, and the top surface of the post must be constructed to drain thoroughly.
 All exposed surfaces of the bronze tablet are to be ground to a smooth surface.
 All letters are to be depressed a minimum of 1/8 inch.
 Information on the bronze tablet indicated by pin lines is to be stamped in the field by the engineering party after post is placed; 3/4 inch letters and figures to be used.
 Project designations on tablets shall be properly shown. Thus: "F.A.P. N°" for Federal Aid Projects, "S.P. N°" for State Projects, "P.W.A. N°" for P.W.A. Projects, etc.



DETAIL OF BRONZE TABLET
FOR RIGHT OF WAY MARKER POST



COLORADO
STATE HIGHWAY DEPARTMENT
STANDARD
MARKER POSTS

Designed by R.E.L. Approved by J.H. Marshall
 Made by F.F.S. Date: Apr. 1937
 Checked by R.E.L.

Notes:
 Surfacing Plan is tabulated on Sheet No. 2
 R.O.W. Markers are tabulated on Sheet No. 3
 Detail of Log Cribbing, Timber Guard Posts,
 and Wire Cable Guard Fence are tabulated
 on Sheet No. 4.

Alignment and Grades shown on the plans
 are subject to modification during construc-
 tion, after approval by the Denver Office.

FED. ROAD DIST. NO.	STATE	F.A.P. PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	233 C-11	11	

REVISION 7-19-39 S.F.C.

STA. 274+00 BEGINNING OF F.A.P. 233-C (1)

OUTSIDE CITY LIMITS:

274+00, Req'd: Project Marker.

274+08, 36"x 60' C.M.P. Culvert and Headwall in place.

278+50, Remove and Relay 24"x 50' C.M.P. Culvert, Build Intercepting Headwall, 10 Cu. Yds. Excav. for Inlet.

INSIDE CITY LIMITS:

282+35, Req'd: 36"x 122' C.M.P. Culvert (Skew 70° Lt.) Headwall and 250 Cu. Yds. Excav. for Outlet Ditch.

284+50, Req'd: 24"x 30' C.M.P. Side Drain and 300 Cu. Yds. Excav. for Road Approach Rt.

284+50, Req'd: 1043 Cu. Yds. Emb't. for Road Approach, also 36"x 26' C.M.P. Culvert under Road Approach Lt. (Emb't. Material included for payment in profile quantities)

OUTSIDE CITY LIMITS:

287+29, Req'd: Headwall for 24"x 68' C.M.P. Culvert.

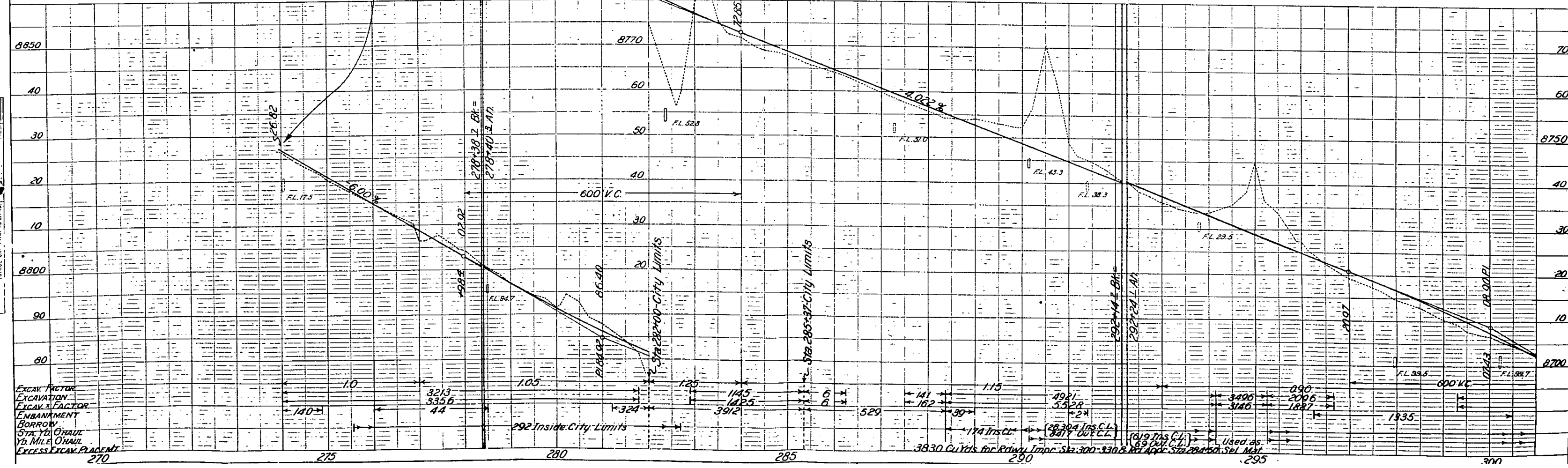
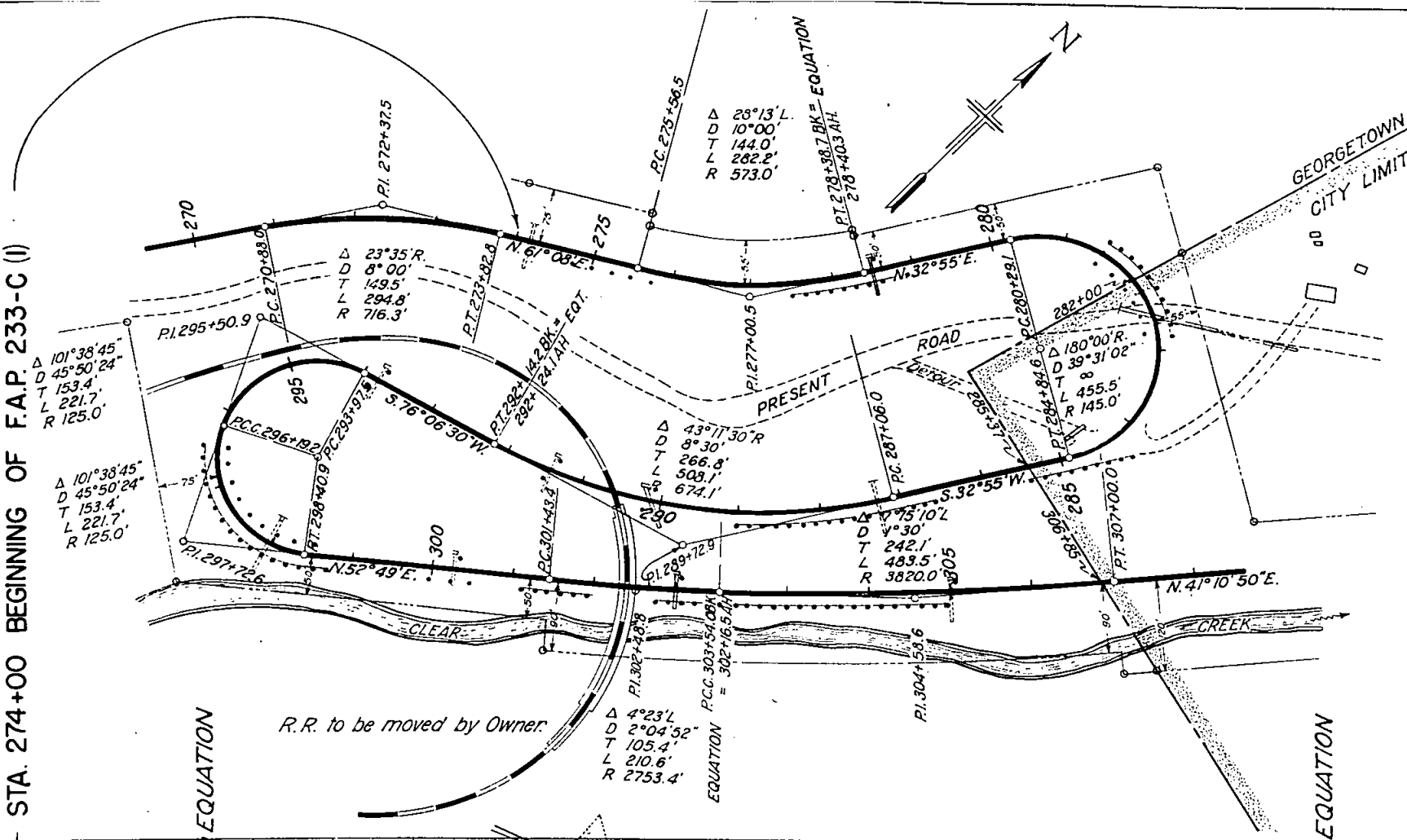
290+15, Req'd: 24"x 50' C.M.P. Culvert, (Skew 60° Rt.) Intercepting Headwall and 65 Cu. Yds. Excav. for Ditches.

290+50, Remove Bridge Abutment on Lt.

291+40, Req'd: Intercepting Headwall for 24"x 48' C.M.P. Culvert and 25 Cu. Yds. Excav. for Inlet.

293+78, Req'd: Intercepting Headwall for 24"x 48' C.M.P. Culvert, and 15 Cu. Yds. Excav. for Inlet.

297+95, Extend 30"x 78' C.M.P. Culvert, 20' on Lt. and Build Headwall, 5 Cu. Yds. Excav. for Inlet.



EXCAV. FACTOR
 EXCAVATION
 EXCAV. FACTOR
 EMBANKMENT
 BORROW
 STA. TO ORIGIN
 YD. MILE ORIGIN
 EXCESS EXCAV. PLACEMENT

3830 Cu. Yds. for Roadway Impr. Sta. 300+30.0 Rd. App. Sta. 294+50.0 Sel. Mat. Used as

R.R. to be moved by Owner

FED. ROAD DIST. NO.	STATE	F.A.P. PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	293-C (II)	12	

[Revised 5-19-39 C.W.]

NOTE: REVISIONS CHECKED BY: DATE: NO. OF REVISIONS: NO.

PLOTTED BY: CHECKED BY: NO. OF SHEETS: NO. OF REVISIONS: NO.

EXCAV. FACTOR
EXCAVATION
EXCAV. FACTOR
EMBANKMENT
BORROW
STA. YD. O'HAUL
YD. MI. O'HAUL

