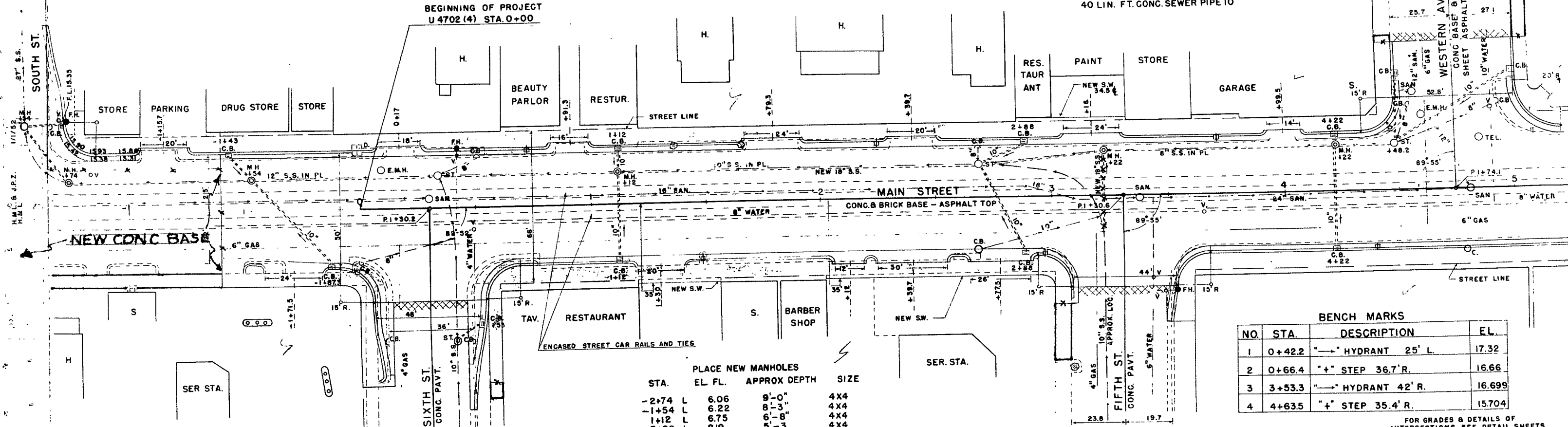




STA. 2+54 TO 4+48.2 LT.
NEW 18" STORM SEWER REQD.
564 LIN. FT. CONC. SEWER PIPE 18"
STA. 3+22 RT.
NEW 10" STORM SEWER REQD.
40 LIN. FT. CONC. SEWER PIPE 10"

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PLACE NEW MANHOLES				
STA.	EL. FL.	APPROX DEPTH	SIZE	
-2+74 L	6.06	9'-0"	4X4	
-1+54 L	6.22	8'-3"	4X4	
1+12 L	6.75	6'-8"	4X4	
3+22 L	8.19	5'-3"	4X4	
4+22 L	8.61	4'-9"	4X4	

BENCH MARKS			
NO.	STA.	DESCRIPTION	EL.
1	0+42.2	"→" HYDRANT 25' L.	17.32
2	0+66.4	"+" STEP 36.7' R.	16.66
3	3+53.3	"→" HYDRANT 42' R.	16.699
4	4+63.5	"+" STEP 35.4' R.	15.704

NOTE - NEW SIDEWALK SHALL BE BUILT FROM BACK OF NEW CURB TO BUILDING LINE UNLESS SHOWN ON PLAN SHEETS

1/1/52
1/2/52
1/10/52
H.M.L.B. J.P.Z.
H.M.L.
C.O.J.W.
C.L.W.

EARTHWORK SUMMARY	
CUT	1,500 CU. YDS.
FILL	975 CU. YDS.
WASTE	184 CU. YDS.
SHRINKAGE 35%	341 CU. YDS.

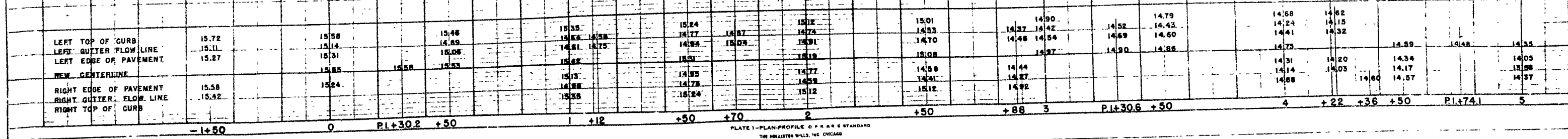
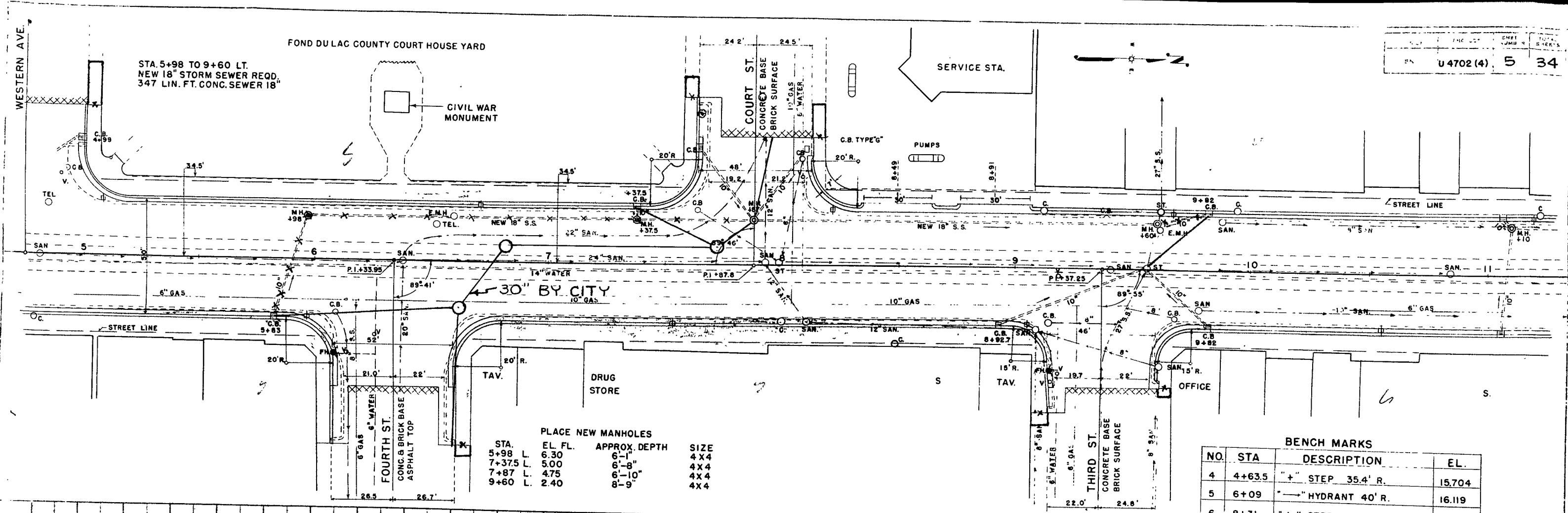


PLATE 1 - PLAN-PROFILE OF P.A.R.E. STANDARD
THE HOLLISTON BULLS, INC. CHICAGO

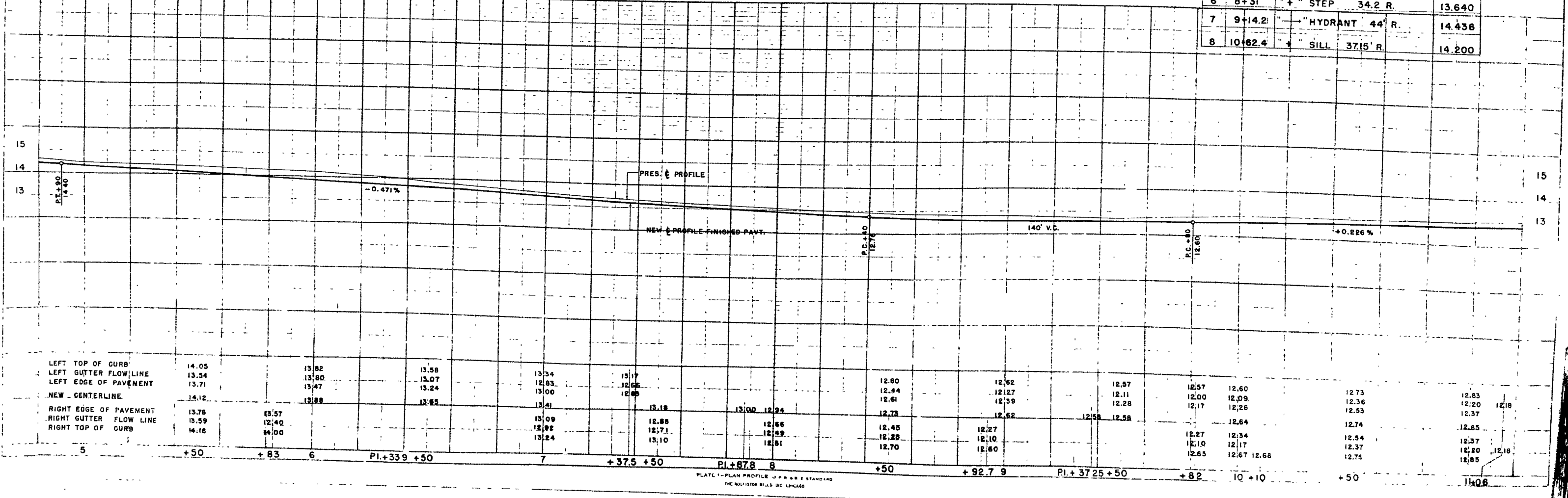


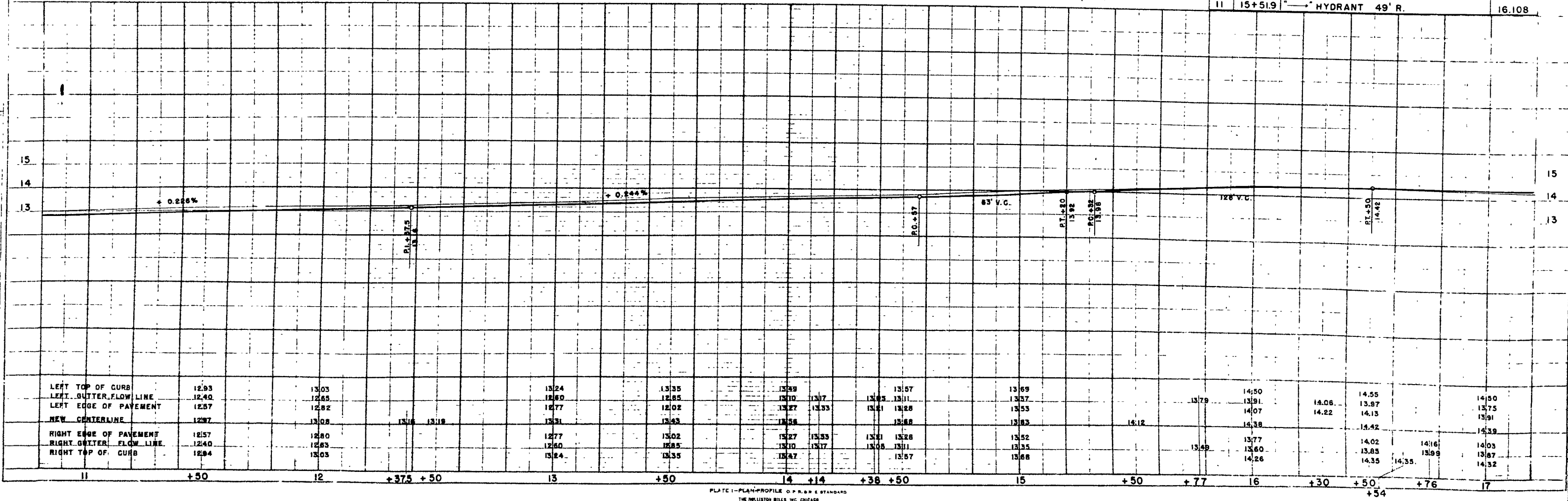
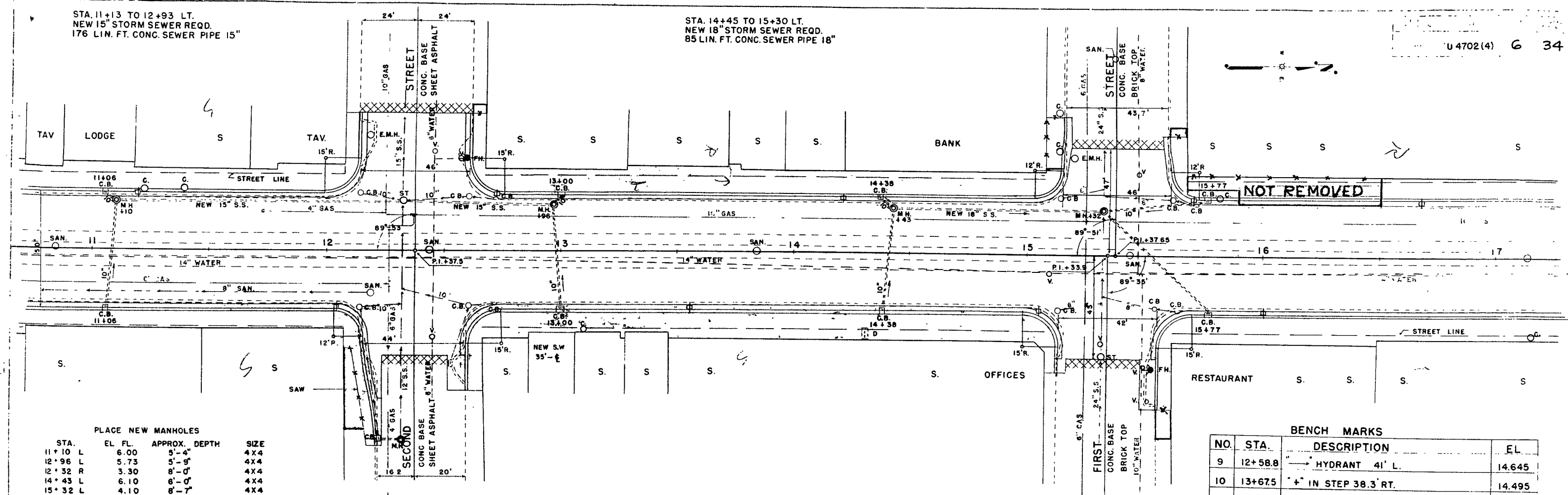
PLACE NEW MANHOLES

STA.	EL. FL.	APPROX. DEPTH	SIZE
5+98 L	6.30	6'-1"	4X4
7+375 L	5.00	6'-8"	4X4
7+87 L	4.75	6'-10"	4X4
9+60 L	2.40	8'-9"	4X4

BENCH MARKS

NO.	STA.	DESCRIPTION	EL.
4	4+63.5	" " STEP 35.4' R.	15.704
5	6+09	" " HYDRANT 40' R.	16.119
6	8+31	" " STEP 34.2' R.	13.640
7	9+14.2	" " HYDRANT 44' R.	14.436
8	10+62.4	" " SILL 37.15' R.	14.200



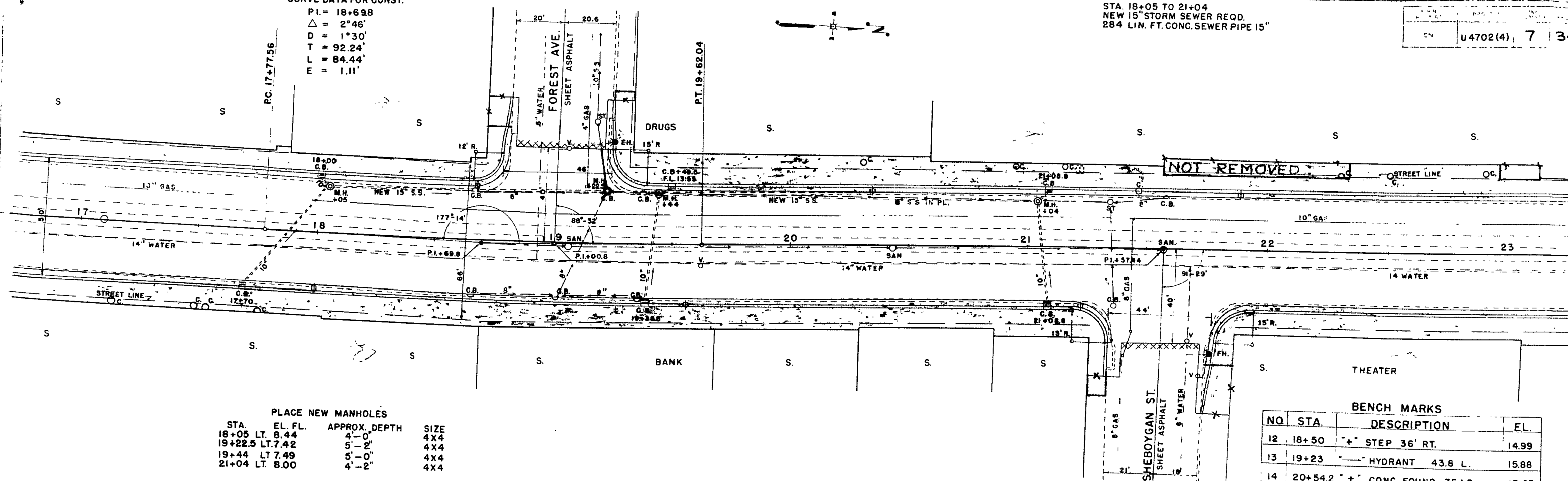


CURVE DATA FOR CONST.

PI = 18+69.8
 $\Delta = 2^\circ 46'$
 $D = 1^\circ 30'$
 $T = 92.24'$
 $L = 84.44'$
 $E = 1.11'$

STA. 18+05 TO 21+04
 NEW 15" STORM SEWER REQD.
 284 LIN. FT. CONC. SEWER PIPE 15"

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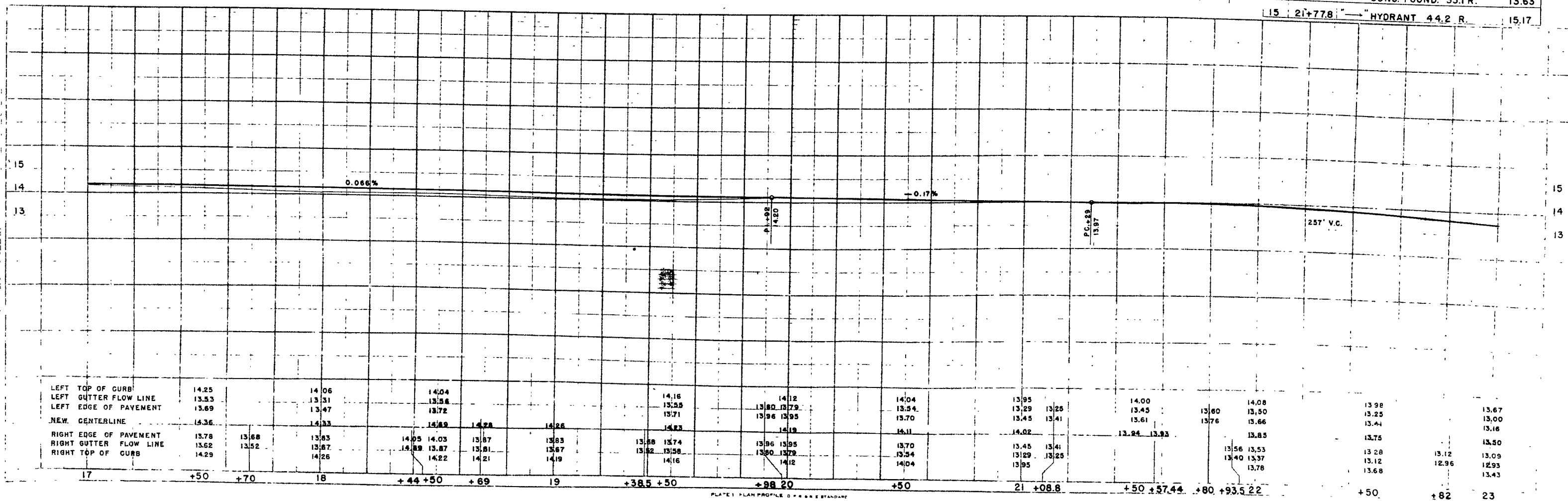


PLACE NEW MANHOLES

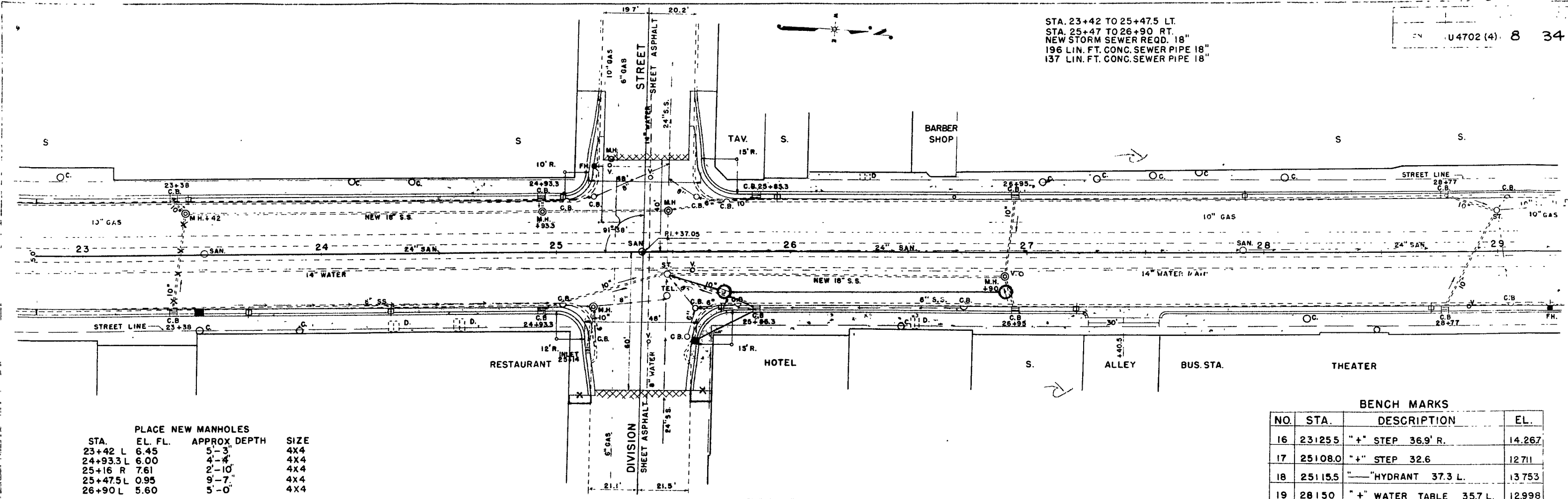
STA.	EL. FL.	APPROX. DEPTH	SIZE
18+05 LT. 8.44		4'-0"	4X4
19+22.5 LT. 7.42		5'-2"	4X4
19+44 LT. 7.49		5'-0"	4X4
21+04 LT. 8.00		4'-2"	4X4

BENCH MARKS

NO	STA.	DESCRIPTION	EL.
12	18+50	"+" STEP 36' RT.	14.99
13	19+23	"-" HYDRANT 43.8 L.	15.88
14	20+54.2	"+" CONC. FOUND. 35.1 R.	13.63
15	21+77.8	"-" HYDRANT 44.2 R.	15.17



STA. 23+42 TO 25+47.5 LT.
 STA. 25+47 TO 26+90 RT.
 NEW STORM SEWER REQD. 18"
 196 LIN. FT. CONC. SEWER PIPE 18"
 137 LIN. FT. CONC. SEWER PIPE 18"

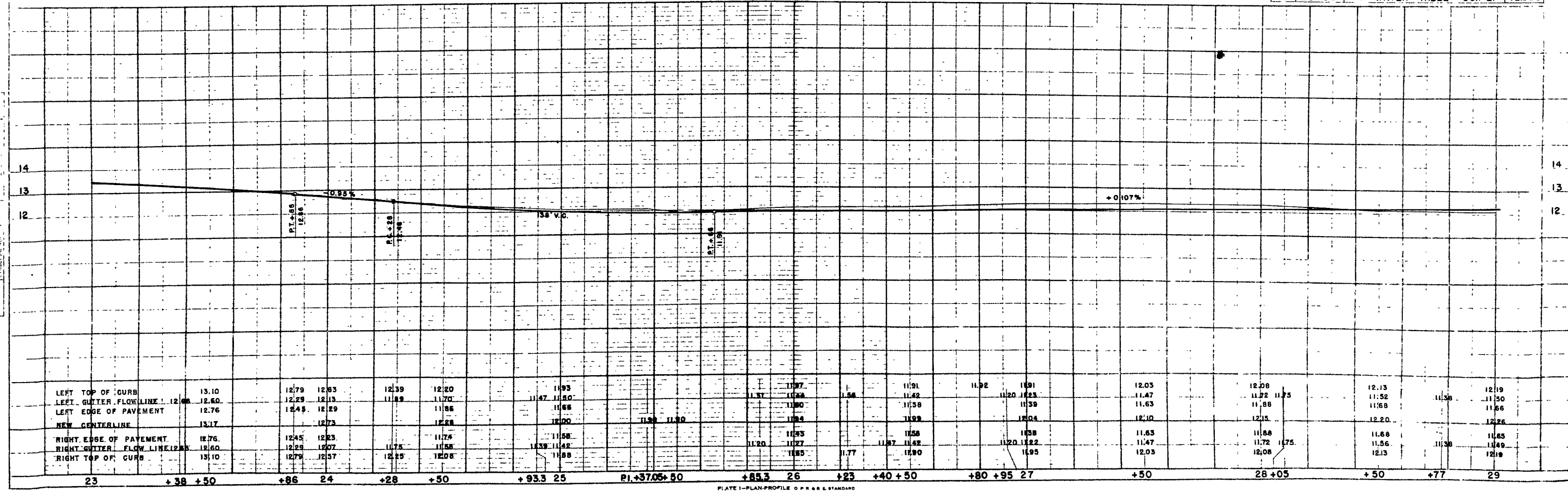


PLACE NEW MANHOLES

STA.	EL. FL.	APPROX. DEPTH	SIZE
23+42 L	6.45	5'-3"	4X4
24+93.3 L	6.00	4'-4"	4X4
25+16 R	7.61	2'-10"	4X4
25+47.5 L	0.95	9'-7"	4X4
26+90 L	5.60	5'-0"	4X4

BENCH MARKS

NO.	STA.	DESCRIPTION	EL.
16	23+25.5	"+" STEP 36.9' R.	14.267
17	25+08.0	"+" STEP 32.6	12.711
18	25+15.5	"—" HYDRANT 37.3 L.	13.753
19	28+15.0	"+" WATER TABLE 35.7 L.	12.998



LEFT TOP OF CURB	13.10	12.79	12.83	12.39	12.20	11.93	11.87	11.91	11.92	11.91	12.03	12.08	12.13	12.19
LEFT GUTTER FLOW LINE	12.68	12.60	12.29	12.13	11.89	11.67	11.60	11.62	11.60	11.63	11.72	11.75	11.82	11.90
LEFT EDGE OF PAVEMENT	12.76	12.45	12.29	11.86	11.66	11.47	11.40	11.38	11.39	11.63	11.86	11.88	11.98	12.06
NEW CENTERLINE	13.17	12.73	12.28	12.00	11.80	11.60	11.50	11.49	11.49	12.10	12.15	12.20	12.26	12.36
RIGHT EDGE OF PAVEMENT	12.76	12.45	12.23	11.75	11.58	11.38	11.27	11.27	11.27	11.63	11.88	11.88	11.95	12.05
RIGHT GUTTER FLOW LINE	12.60	12.29	12.07	11.75	11.58	11.38	11.27	11.27	11.27	11.47	11.72	11.75	11.85	11.95
RIGHT TOP OF CURB	13.10	12.79	12.37	12.25	12.06	11.88	11.65	11.77	11.90	12.03	12.08	12.13	12.19	12.29

10-9 (10-30)	PHOTO	REF NUMBER	TOTAL SHEETS
ON	U 4702(4)	9	34

