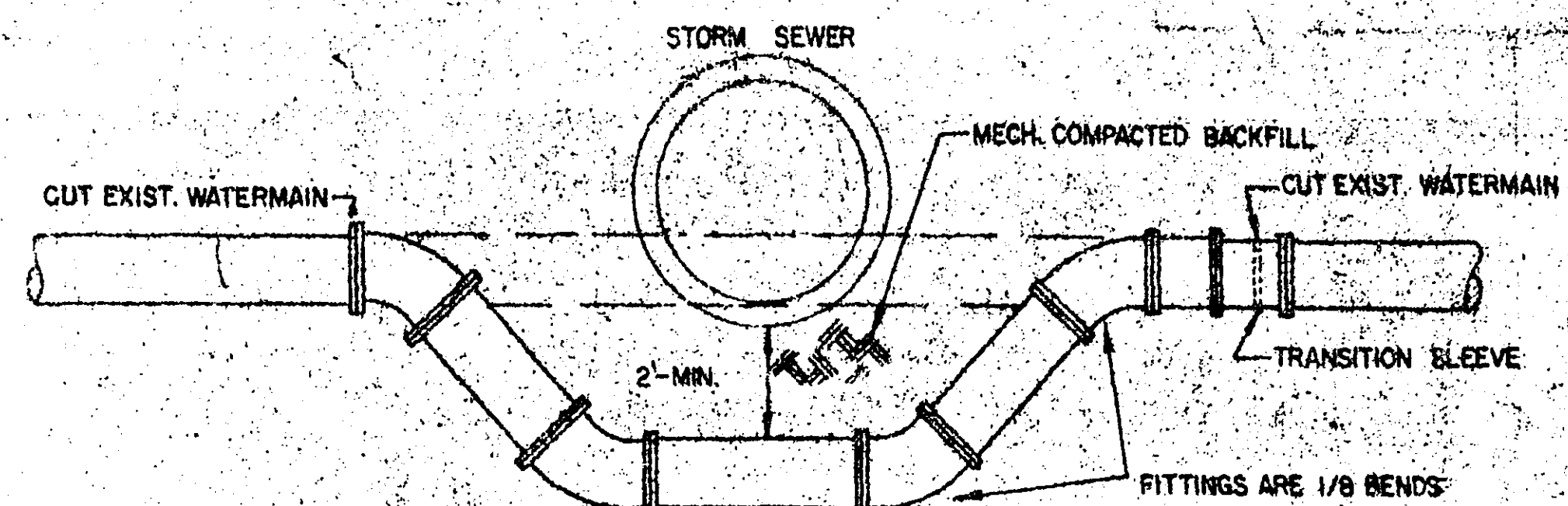
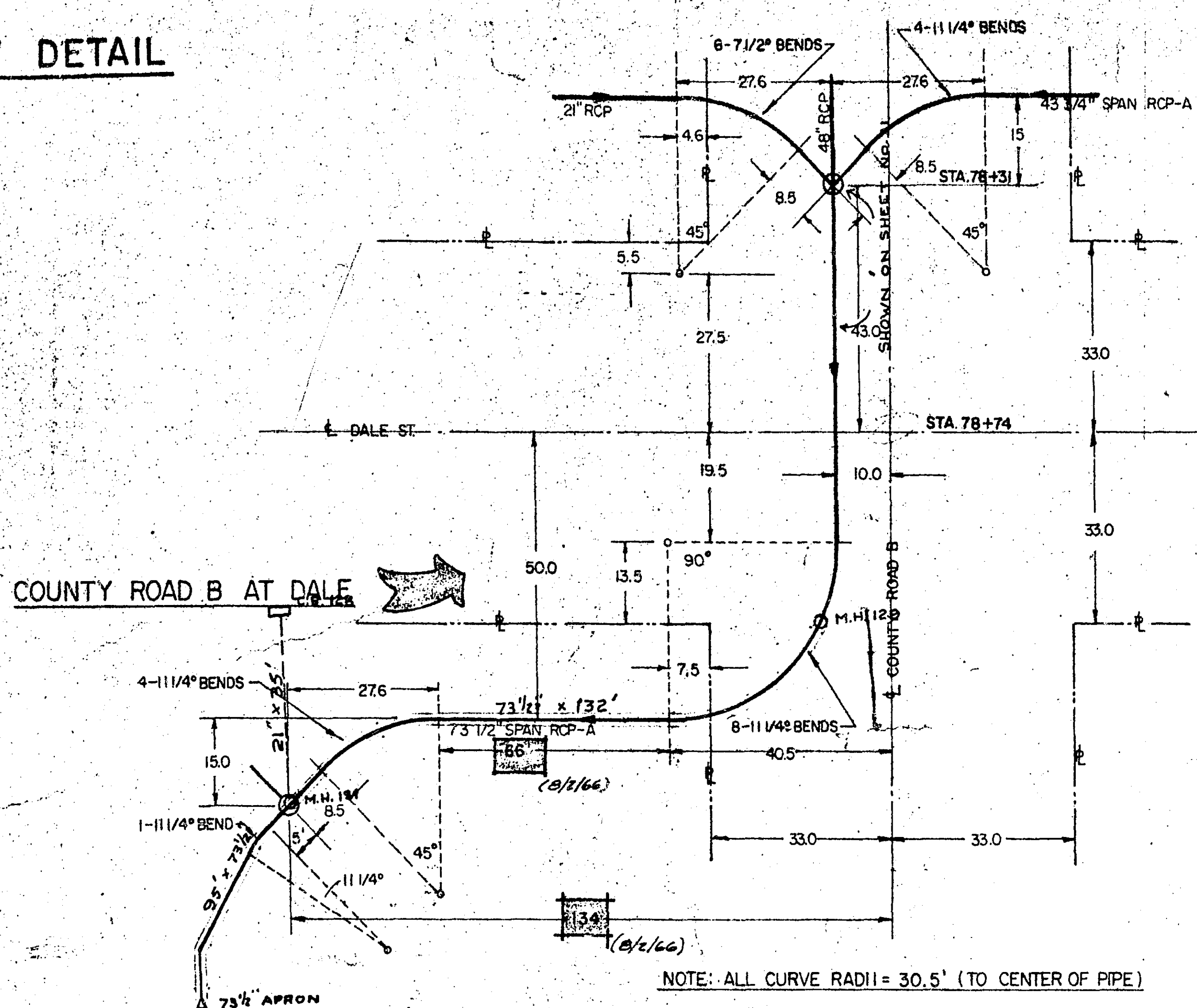
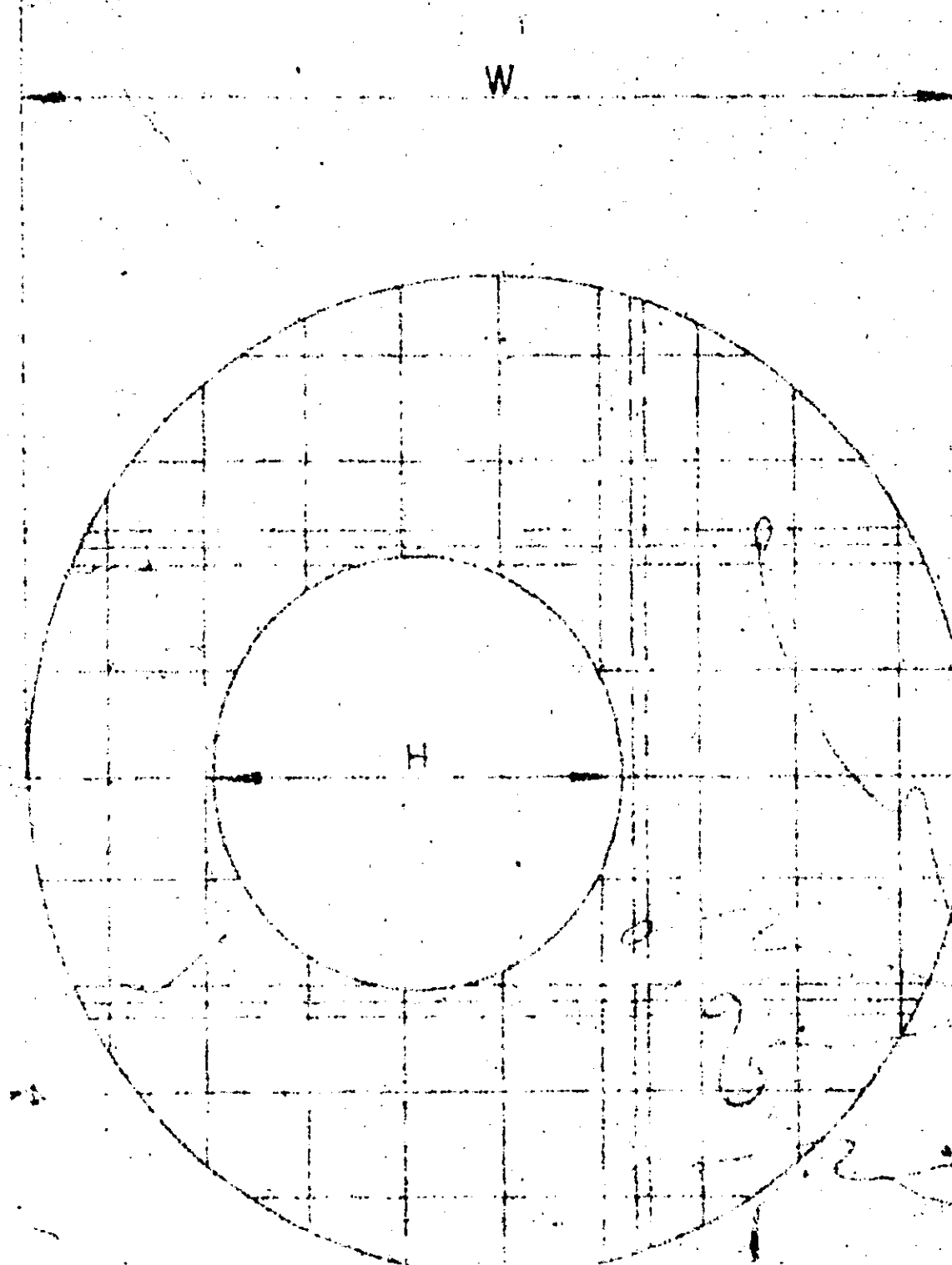


ALIGNMENT DETAIL

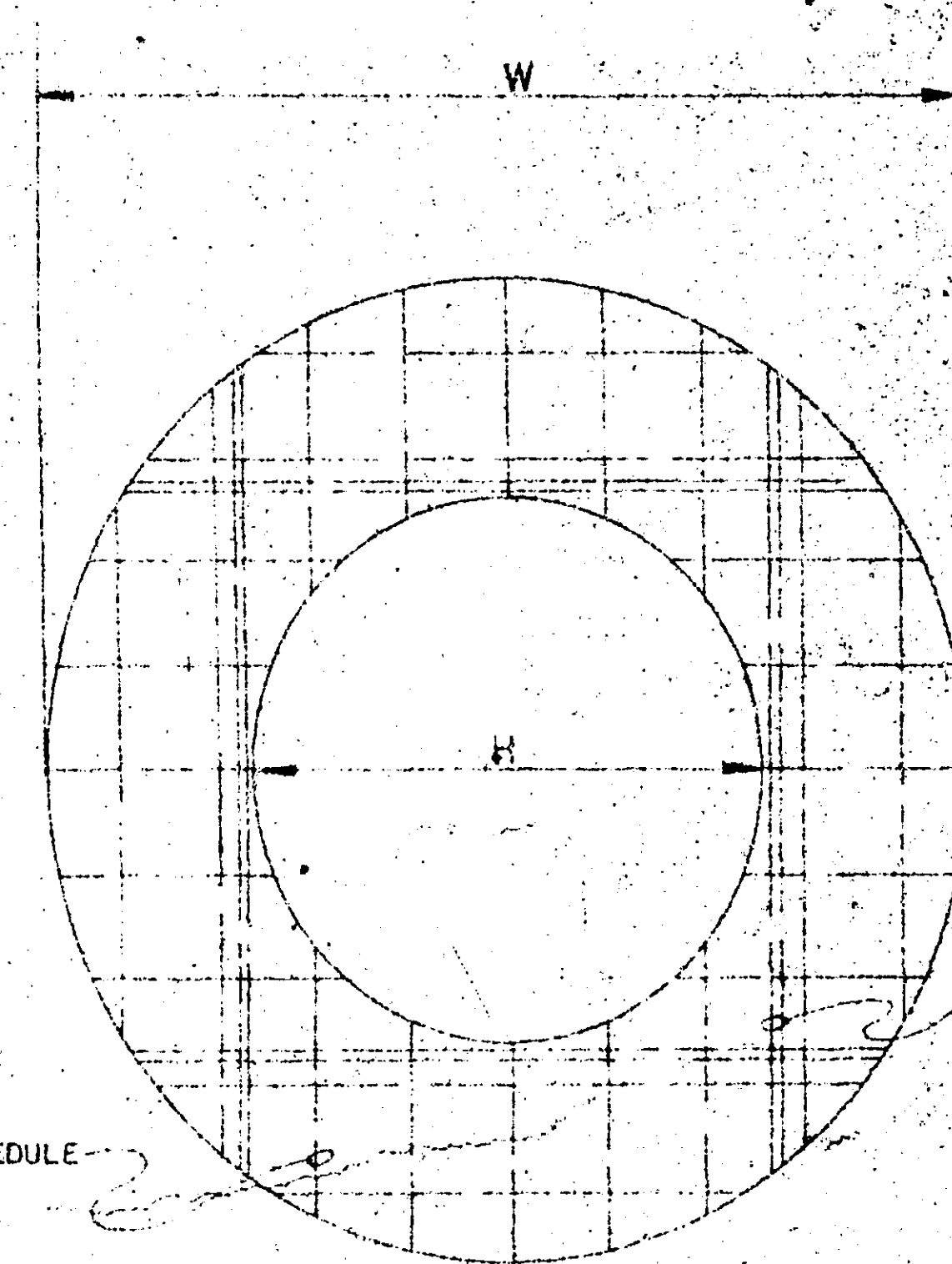
SCALE: 1" = 20'



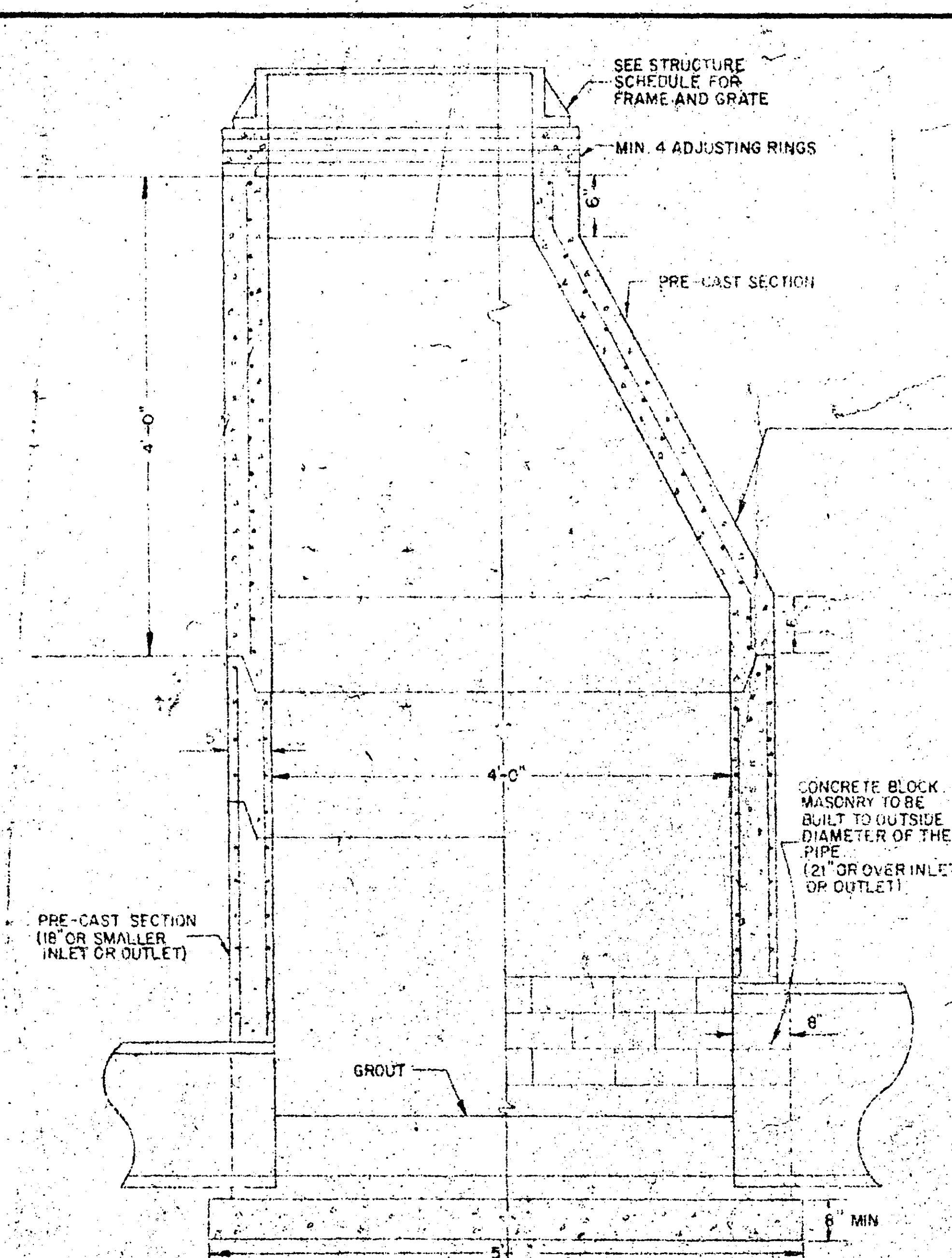
LOWER WATERMAIN DETAIL



PRE-CAST COVER ECCENTRIC OPENING

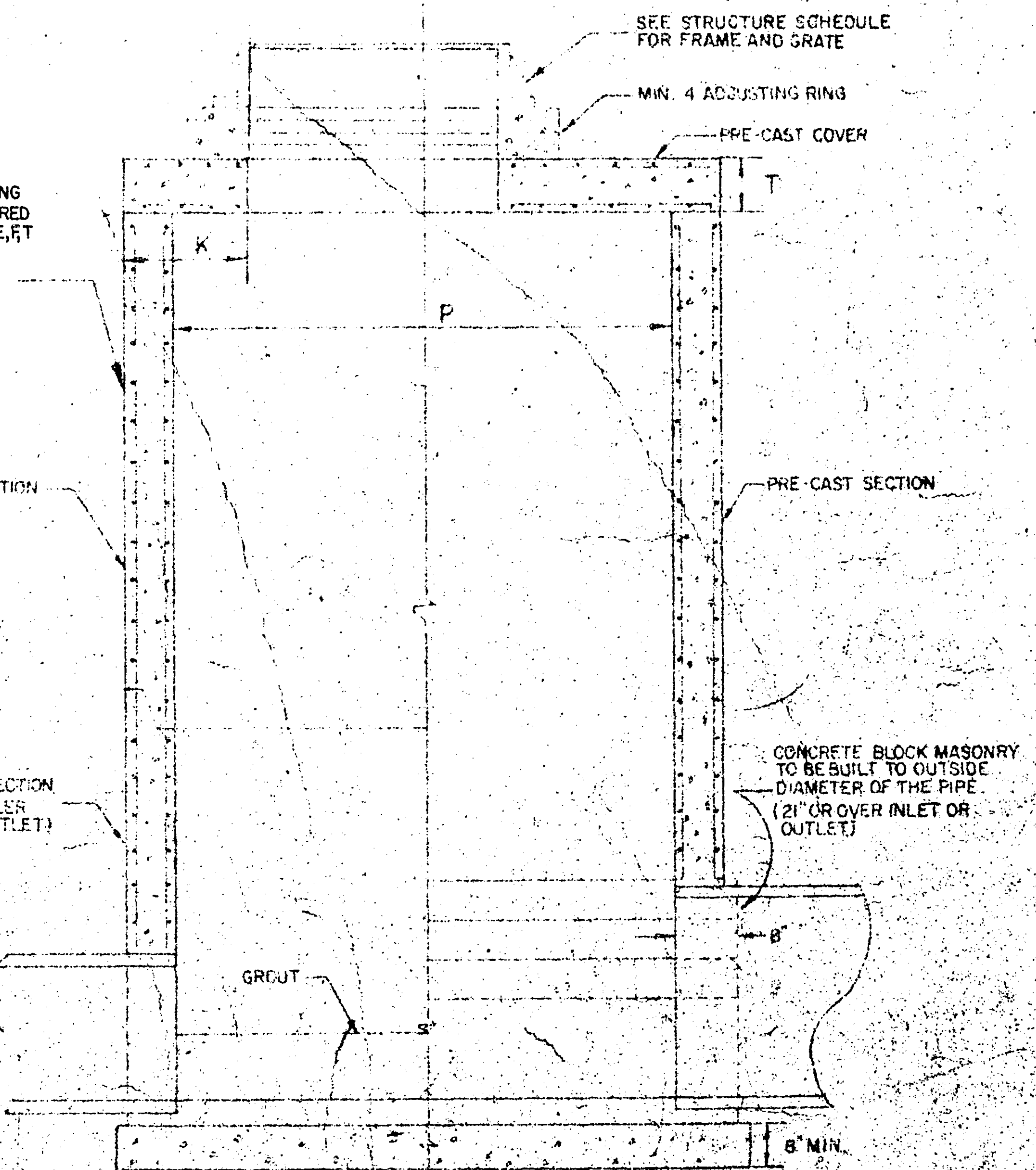


PRE-CAST COVER CONCENTRIC OPENING



TYPE-A MANHOLE

NOTE: MANHOLE STEPS CASTING NO. 044 @ 16" O.C. REQUIRED ON ALL TYPE A, B, C, D, E, F, T MANHOLES.



TYPE B THRU F AND B-1 THRU F-1 MANHOLES

SIZE AND REINFORCING REQUIREMENTS

MANHOLE TYPE	DIMENSIONS					TYPE OF OPENING	COVER REINFORCING	
	P	K	T	W	H		BOTTOM BARS	TOP BARS
B	48"	6"	6"	58"	27"	ECC.	4#6 O.C. E.W.	NONE
B-1	48"	11"	6"	58"	36"	CON.		NONE
C	60"	7"	8"	72"	27"	ECC.		4#6 O.C. E.W.
C-1	60"	18"	8"	72"	36"	CON.		
D	72"	8"	8"	86"	27"	ECC.		
D-1	72"	25"	8"	86"	36"	CON.		
E	84"	9"	8"	100"	27"	ECC.	4#4 O.C. E.W.	4#4 O.C. E.W.
E-1	84"	32"	8"	100"	36"	CON.		
F	96"	9"	8"	113"	27"	ECC.		
F-1	96"	38.5"	8"	113"	36"	CON.		
G	(CATCH BASIN) SEE STD. PLATE A006D							
T	SEE DETAIL SHEET 16							

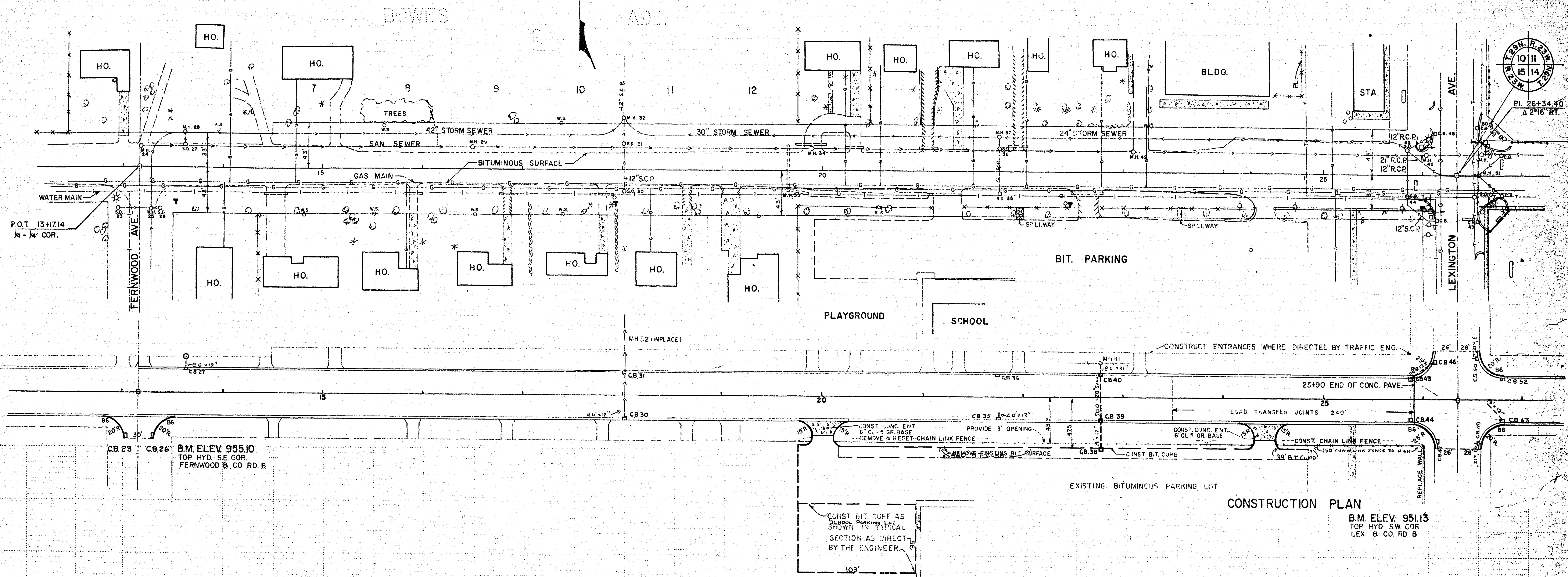
MANHOLE DETAILS

REVISED 8/2/66

AS BUILT PLAN
CONFORMING TO
CONST. RECORDS
DONE BY:
DATE:

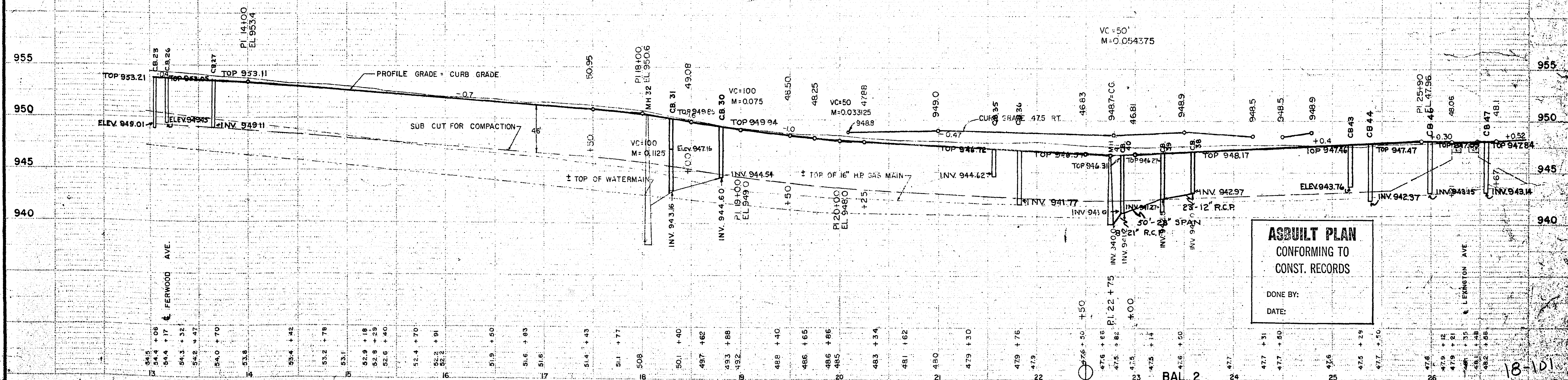
NOTE: DO NOT REMOVE TREES WITHOUT PERMISSION OF ENGINEER.

NEW FENCE SCHEDULE
STA. 23+80± TO 24+84± 40' RT.
CONST. CHAIN LINK FENCE 60' HIGH
TAPER FROM 60' HIGH AT 24+64±
TO 36' HIGH AT 24+84±
STA. 24+84± TO 26+00± CONST. CHAIN
LINK FENCE 36' HIGH.



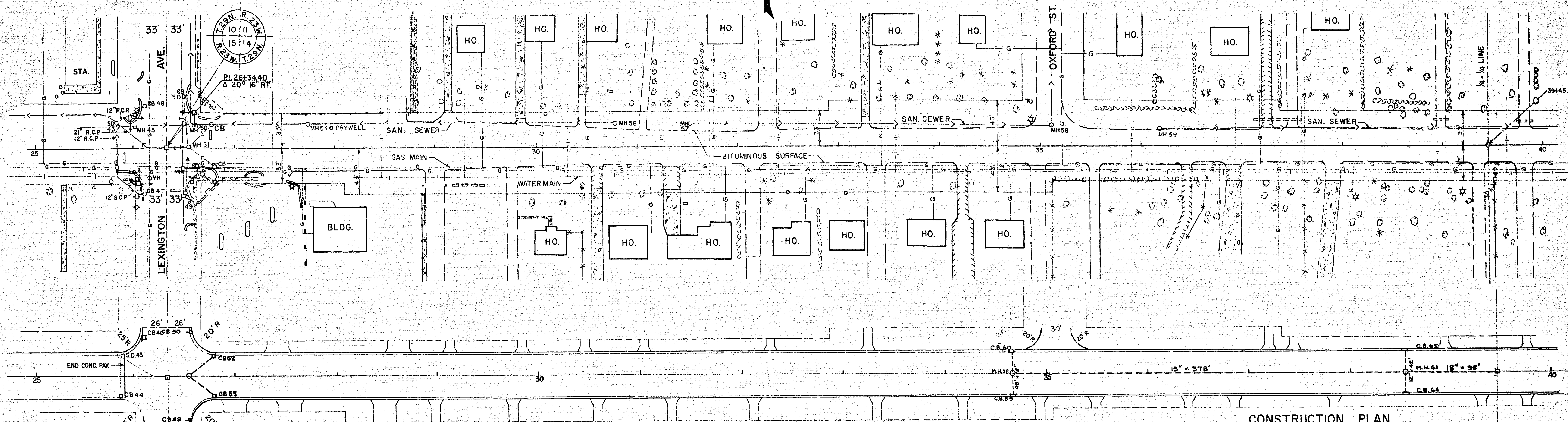
CONSTRUCTION PLAN

B.M. ELEV. 951.13
TOP HYD. SW. COR.
LEX. & CO. RD. B



ASBUILT PLAN
CONFORMING TO
CONST. RECORDS

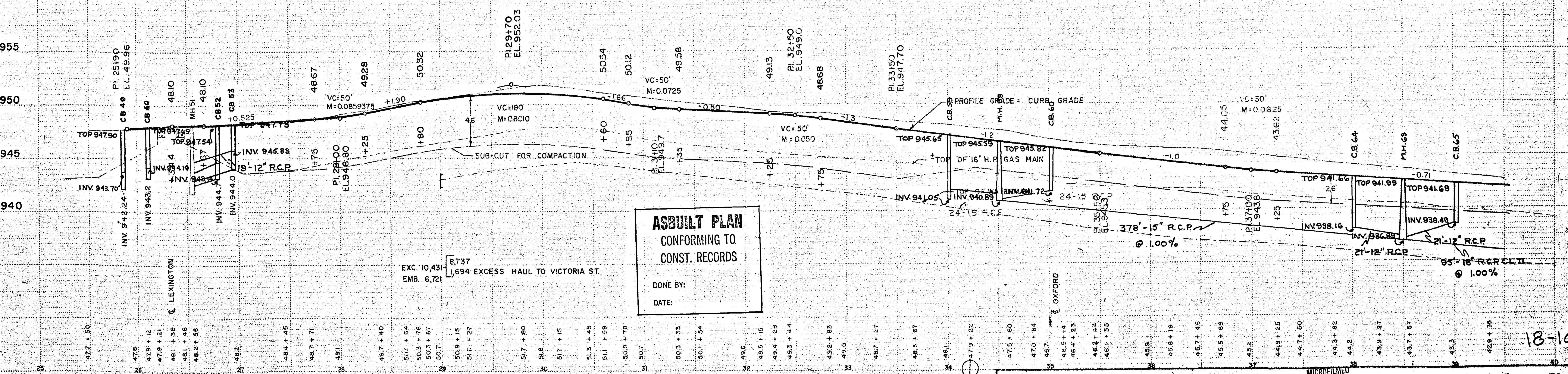
DONE BY:
DATE:



B.M. ELEV. 951.13
TOP HYD. S.W. COR.
LEX & CO. RD. B.

B.M. ELEV. 941.91
ROSEVILLE B.M. BY
HO. #982 CO. RD. B.

CONSTRUCTION PLAN



ASBUILT PLAN
CONFORMING TO
CONST. RECORDS

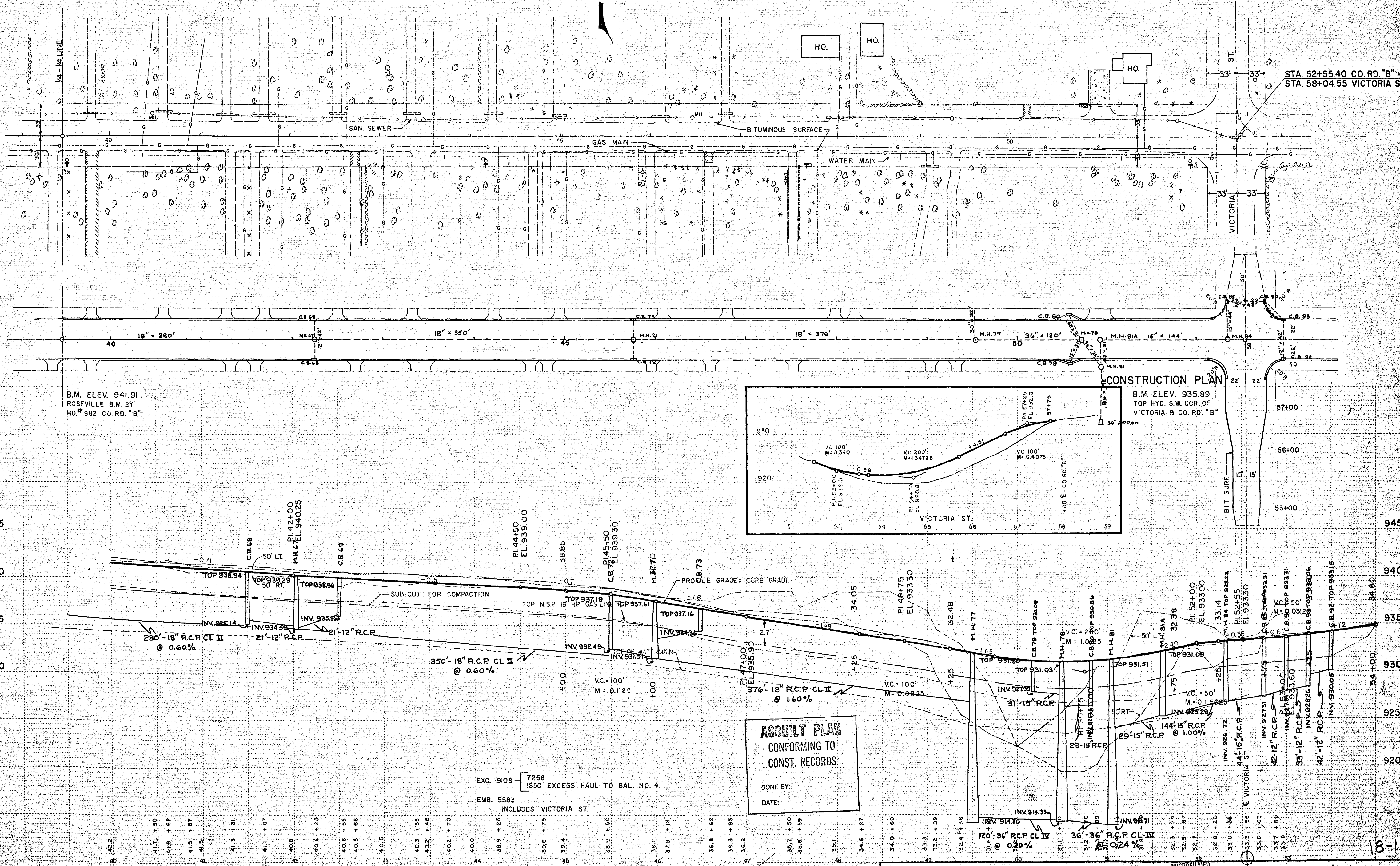
DONE BY:
DATE:

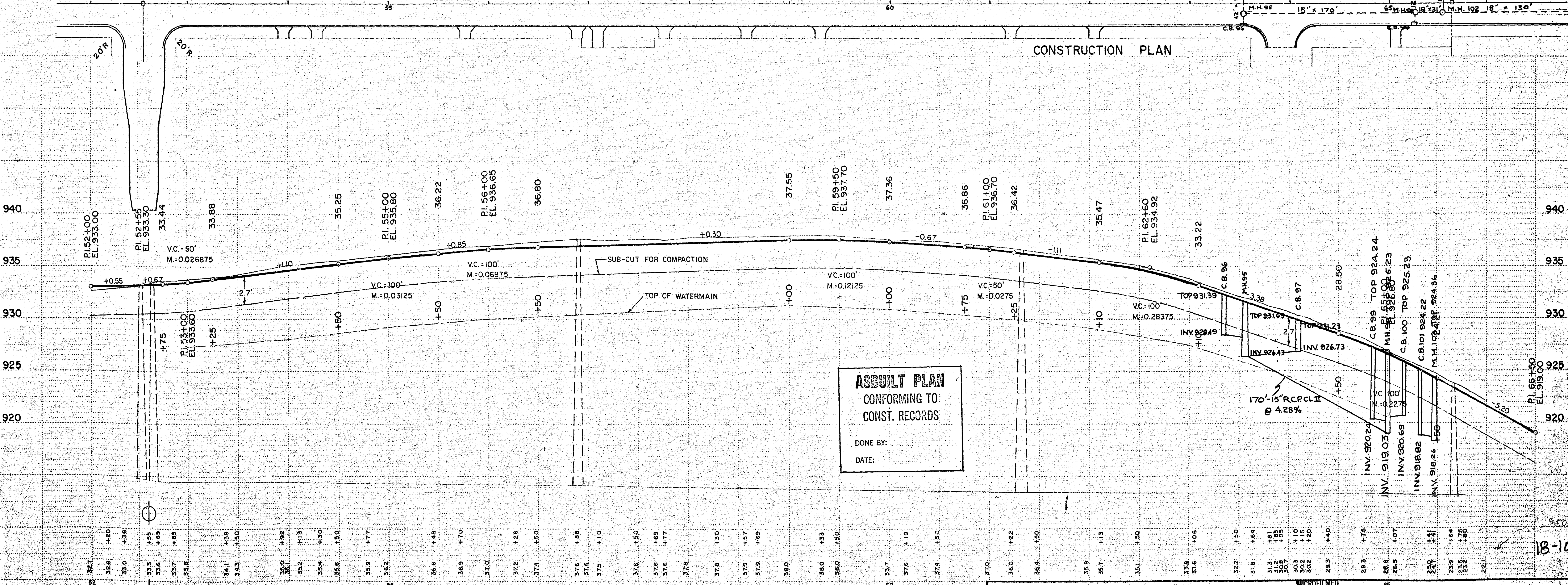
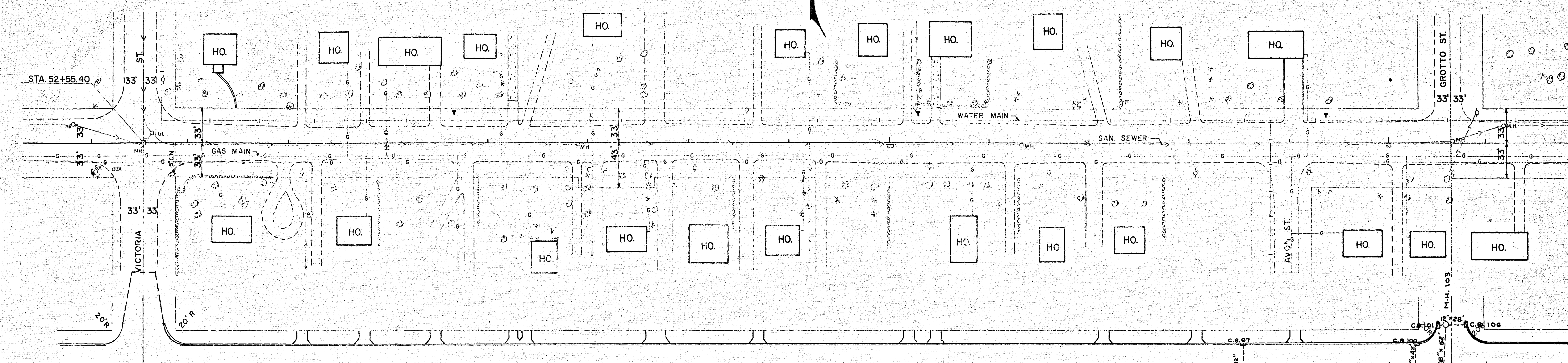
EXC. 10,431
EMB. 6,721
1,694 EXCESS HAUL TO VICTORIA ST.

BAL. 2

S.A.P. NO. 62-625-02

18-101

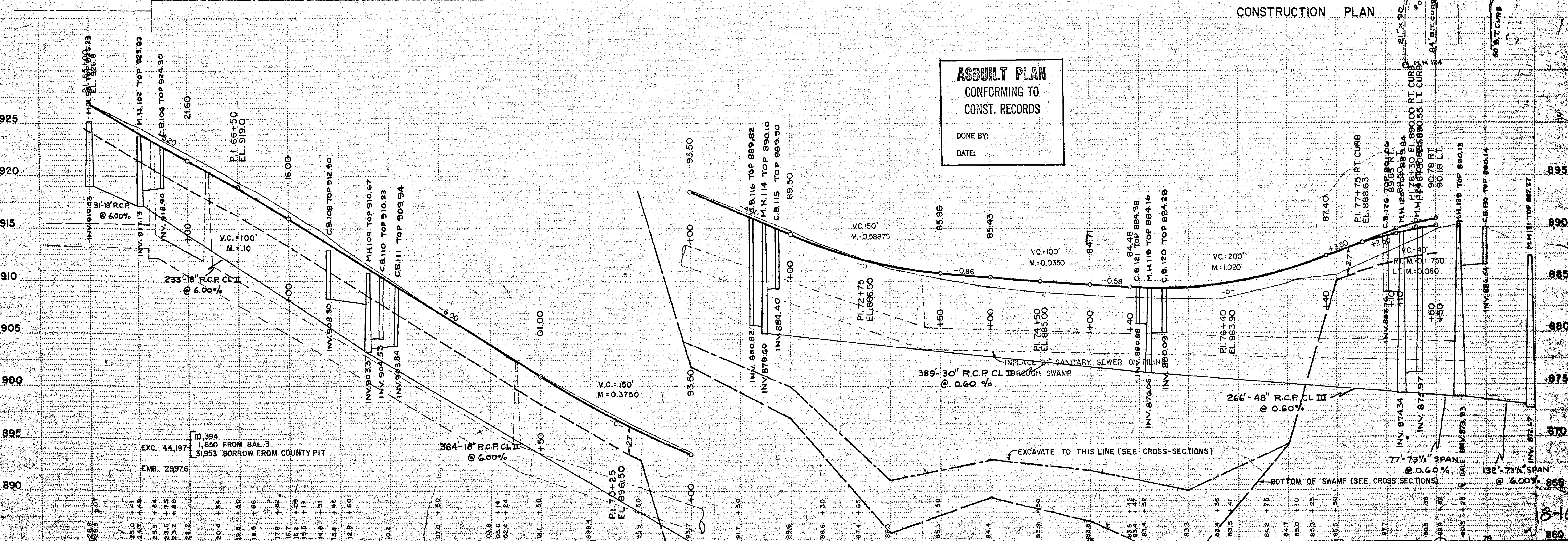
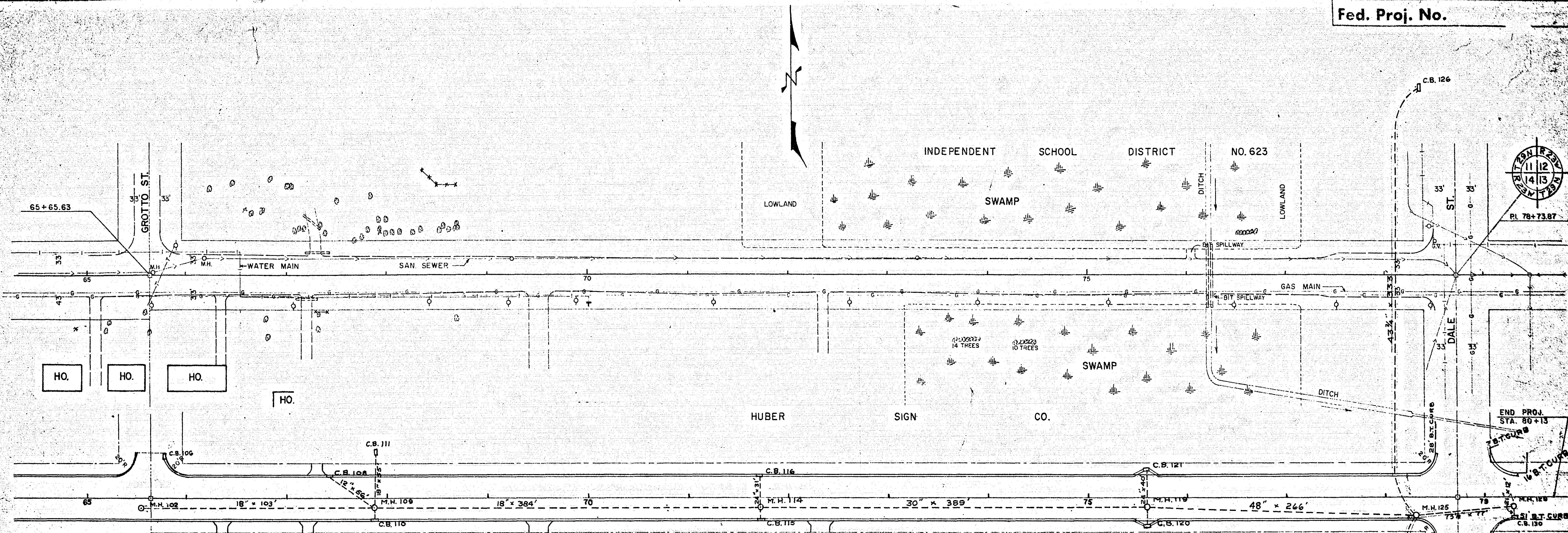




BAL. 4

S.A.P. NO. 62-625-02

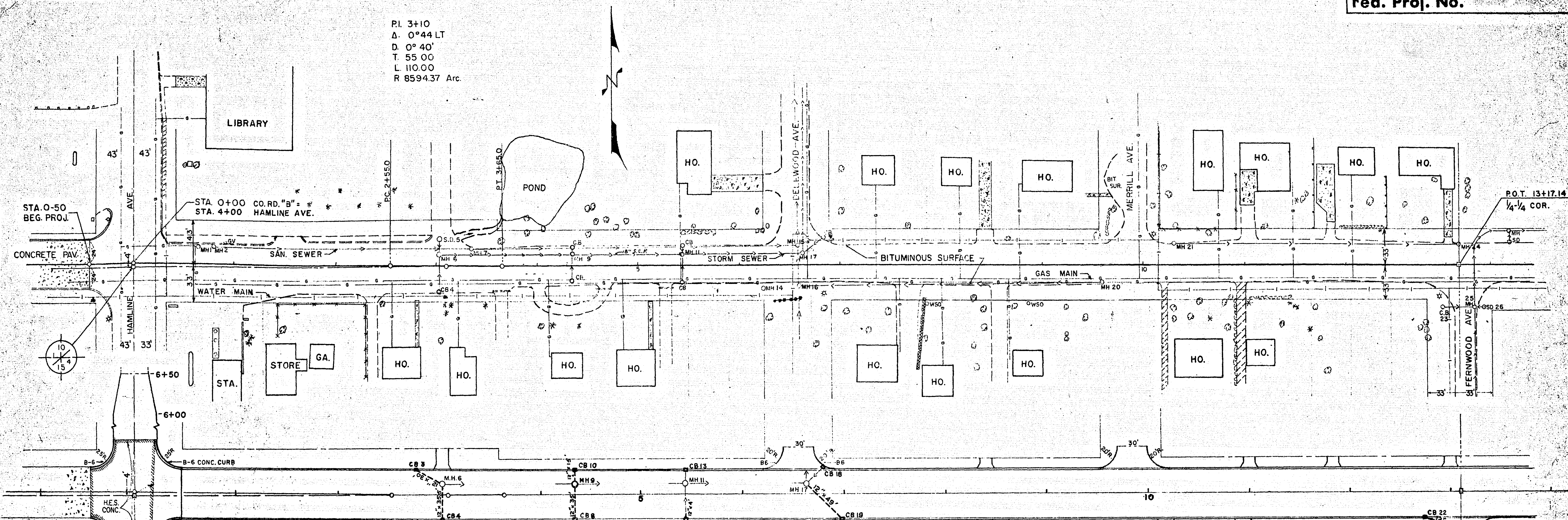
18-101



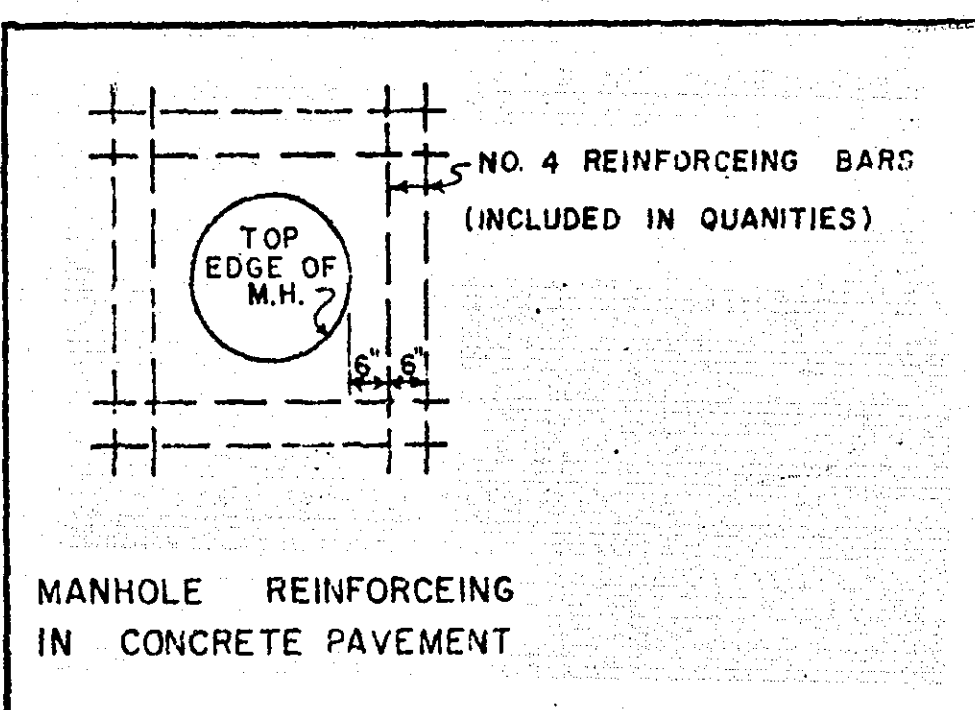
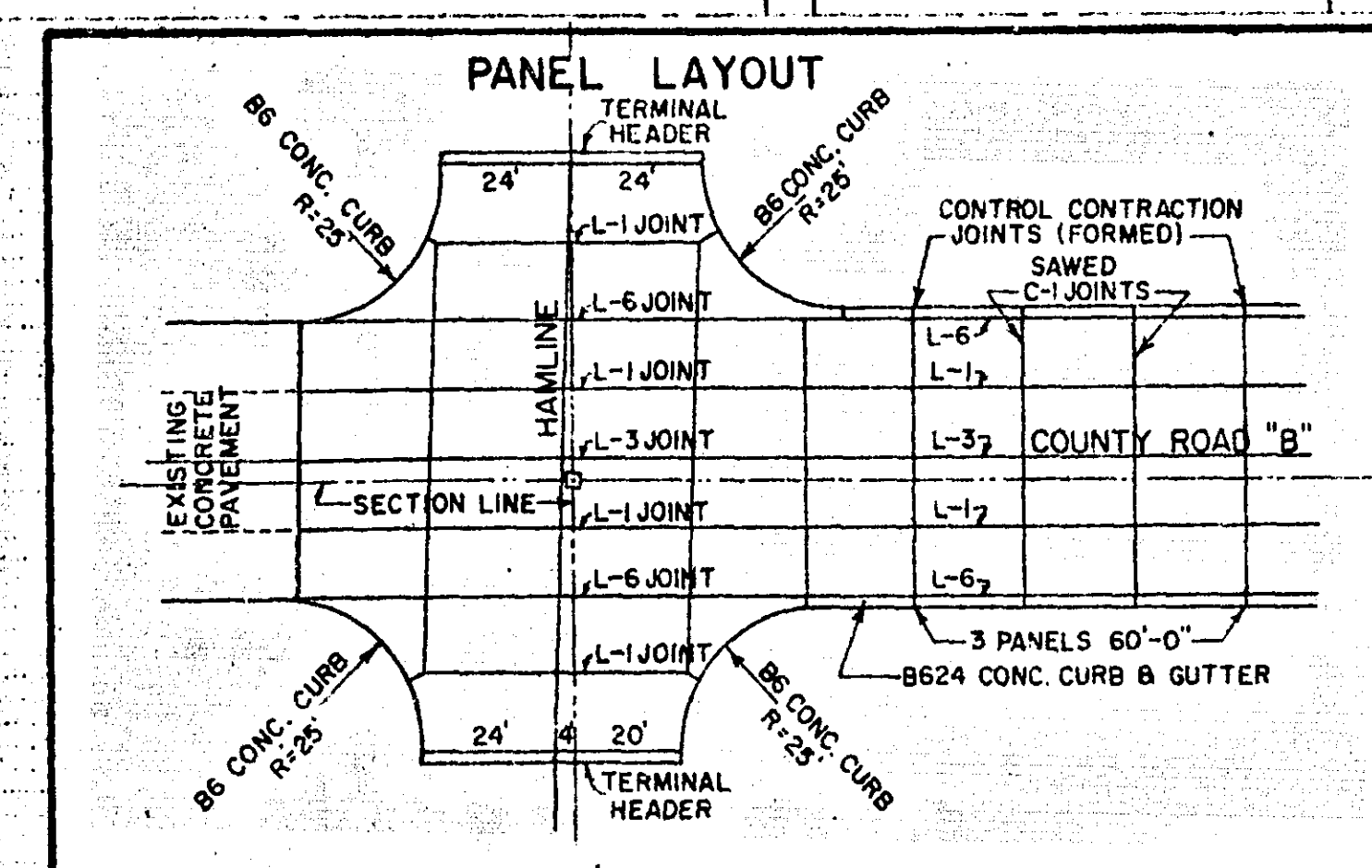
AS-BUILT PLAN
CONFORMING TO
CONST. RECORDS

DONE BY:
DATE:

PI 3+10
A. 0°44' LT
D. 0°40'
T. 55.00
L. 110.00
R. 8594.37 Arc.



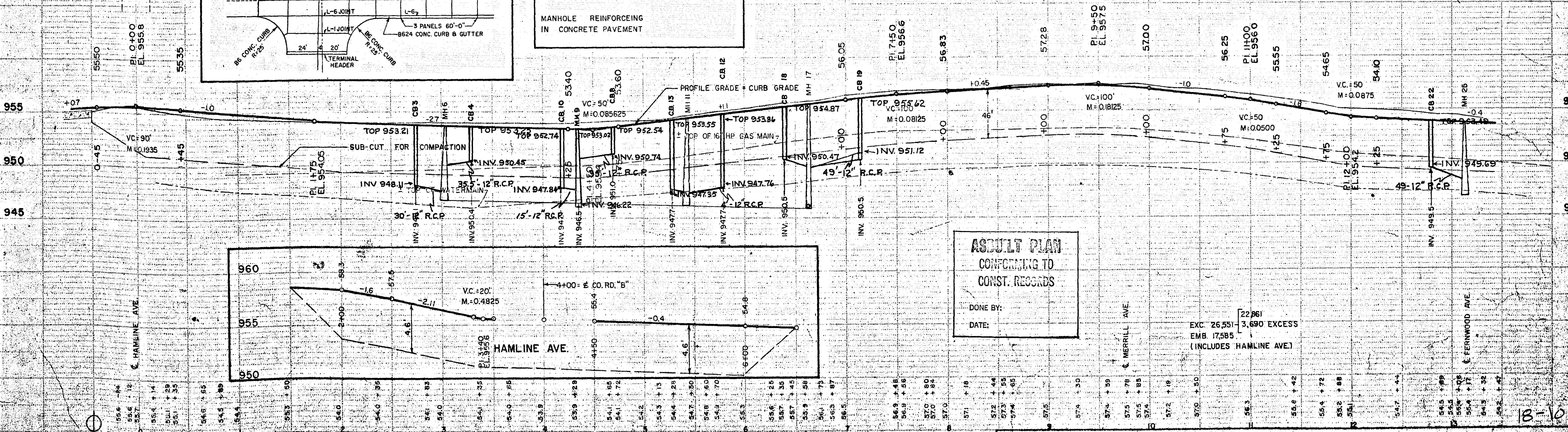
B.M. ELEV. 955.620
TOP S.W. COR. BASE OF
PURE OIL SIGN STA. 0+36
RT 36 F.R.



B.M. ELEV. 957.67
TOP HYD. N.E. COR. DELLWOOD
AND CO. RD. B.

CONSTRUCTION PLAN

B.M. ELEV. 955.10
TOP 4th S.E. COR.
FERNWOOD & CO. RD. B.



ASBUILT PLAN
CONFORMING TO
CONST. RECORDS
DONE BY:
DATE:

EXC. 26,551
EMB. 17,585
(INCLUDES HAMLINE AVE.)