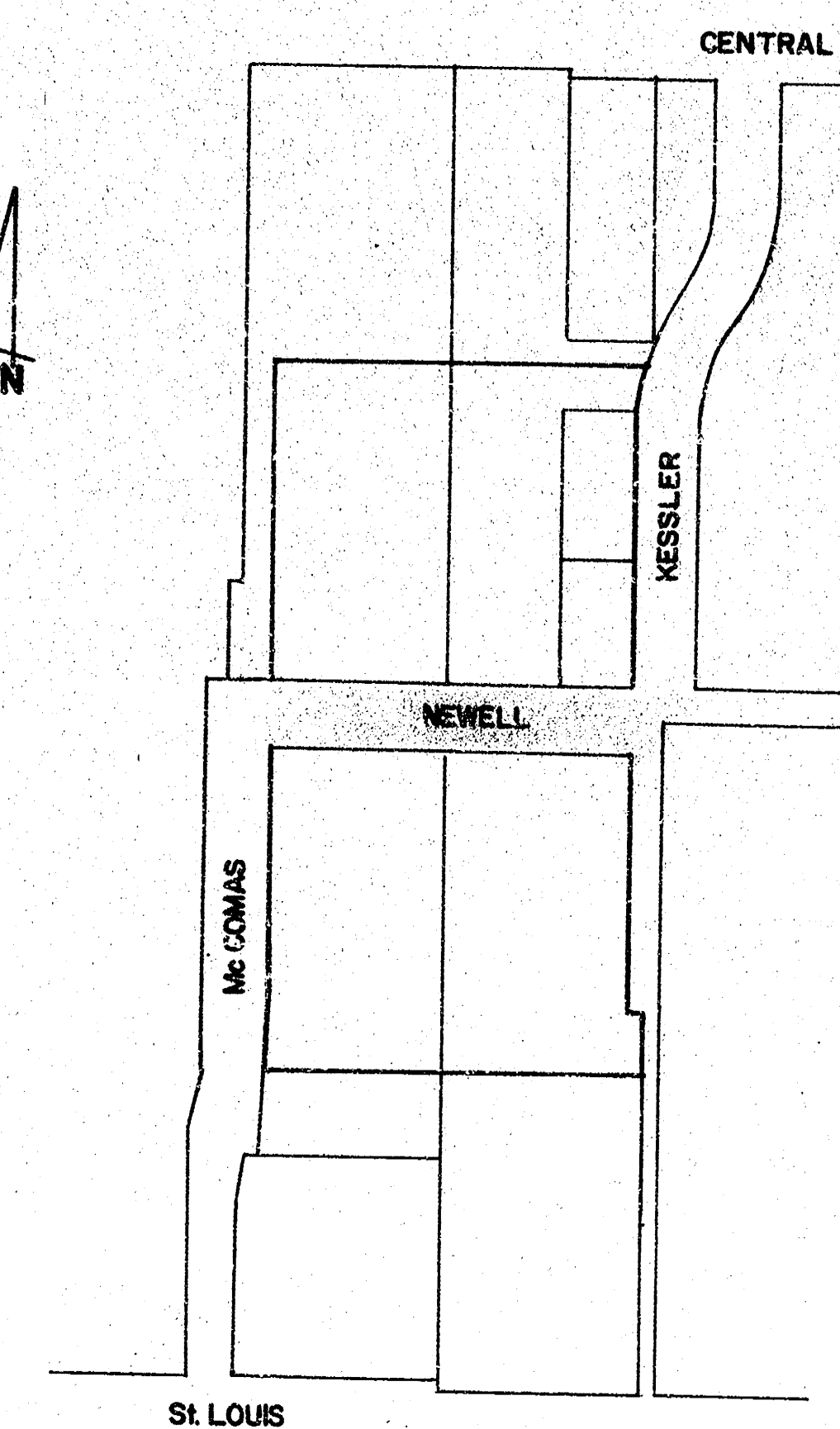
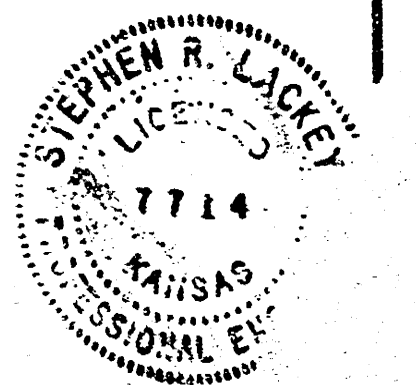


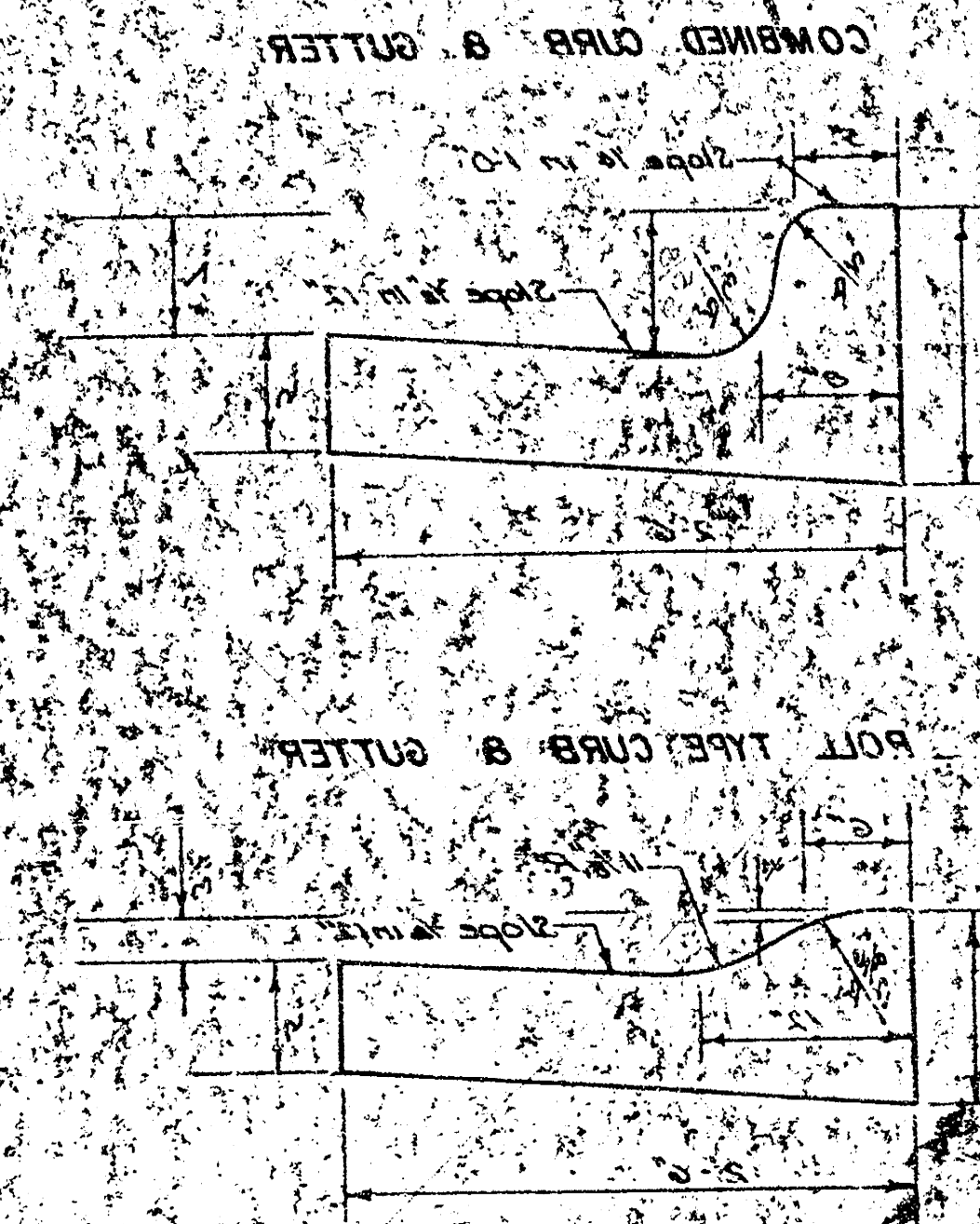
NEWELL
EL McCOMAS to EL KESSLER



City of Wichita Kansas
R.W.Bruggeman Dir. Eng. / City Engineer
Proj. no. 472-76-245-81042-000-000-001
Date _____

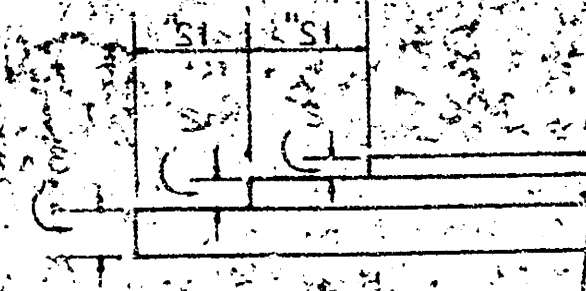


NEWELL



31 ASPHALTIC CONCRETE PAVEMENT WITH BITUMINOUS BASE

DETAIL OF TRANSVERSE CONSTRUCTION - JOINTS



CITY OF WICHITA, KANSAS

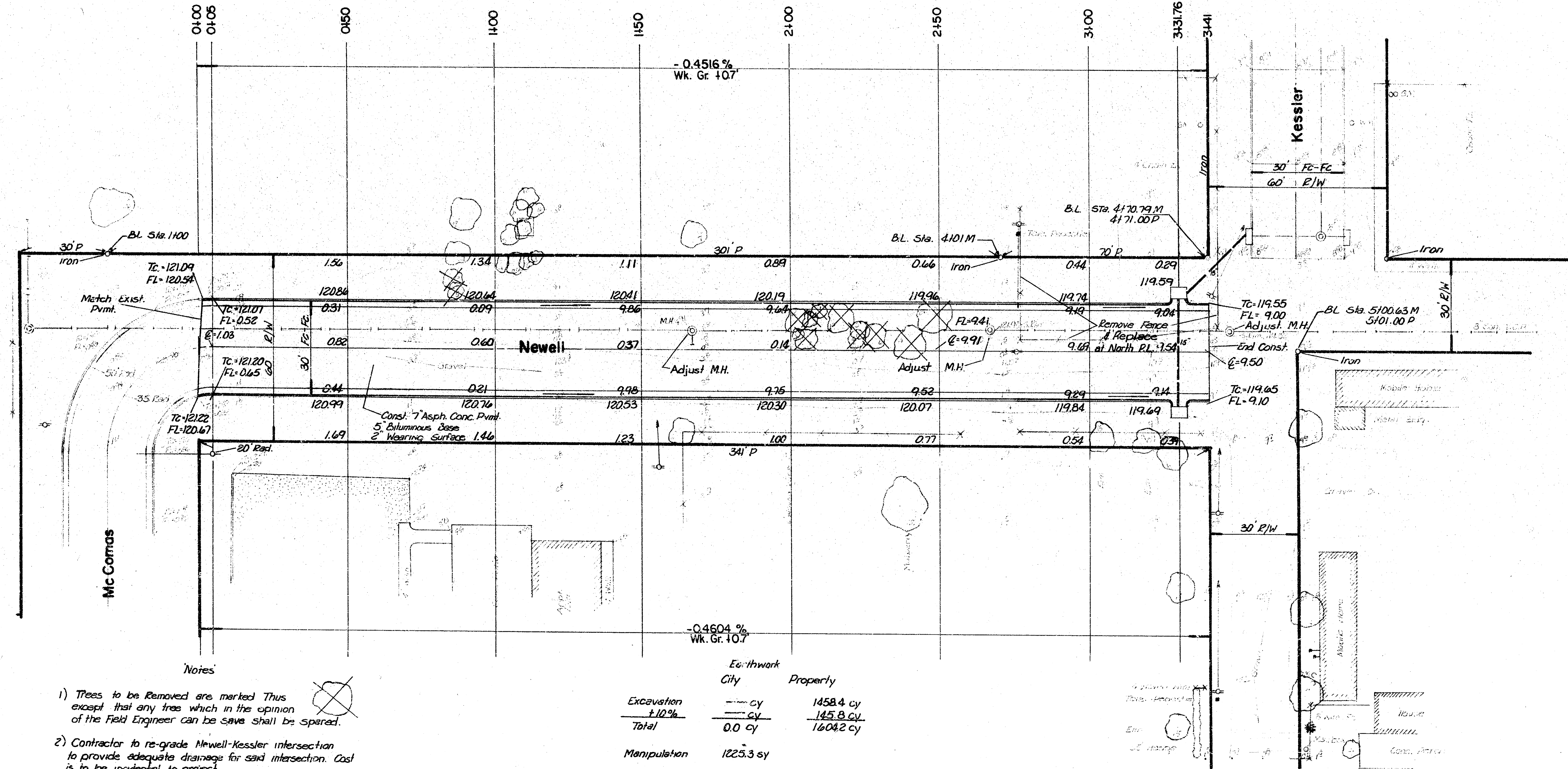
DEPARTMENT OF ENGINEERING

R.W. Braggins, Jr., Director, City Engineer

DATE: _____
PROJ. NO. 42-77-206

BM 119.03 ☐ top E. cb. Kessler 195' N. of NL Newell
BL is 35' S. of and parallel to NL Newell

N
Scale: 1" = 20'



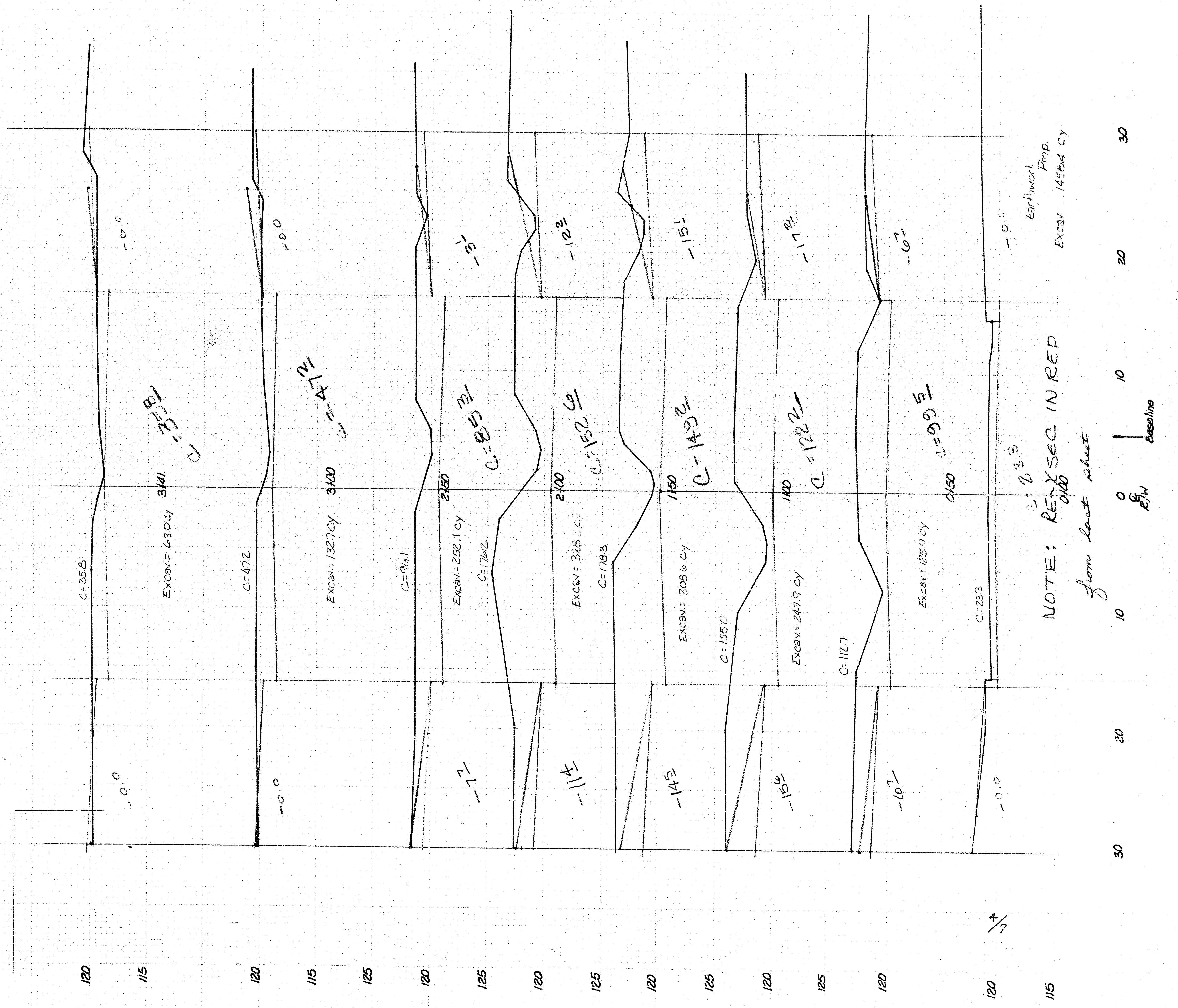
THE CONTRACTOR SHALL BE RESPONSIBLE FOR PRESERVING PROPERTY LINES. THE CONTRACTOR SHALL BE REQUIRED TO RE-ESTABLISH ANY PROPERTY LINES WHICH ARE DAMAGED OR DESTROYED BY HIS CONSTRUCTION OPERATIONS. SURVEYING SHALL BE RE-ESTABLISHED BY A LICENSED LAND SURVEYOR OR A LICENSED PROFESSIONAL ENGINEER IN ACCORDANCE WITH STATE LAWS.

SUBGRADE
TYPE OF SUBGRADE TREATMENT SHALL BE DETERMINED BY THE FIELD ENGINEER. SUBGRADE TREATMENT MAY CONSIST OF LIME TREATMENT, CEMENT TREATMENT, SUBGRADE MODIFICATION, OR ANY COMBINATION OF THESE.

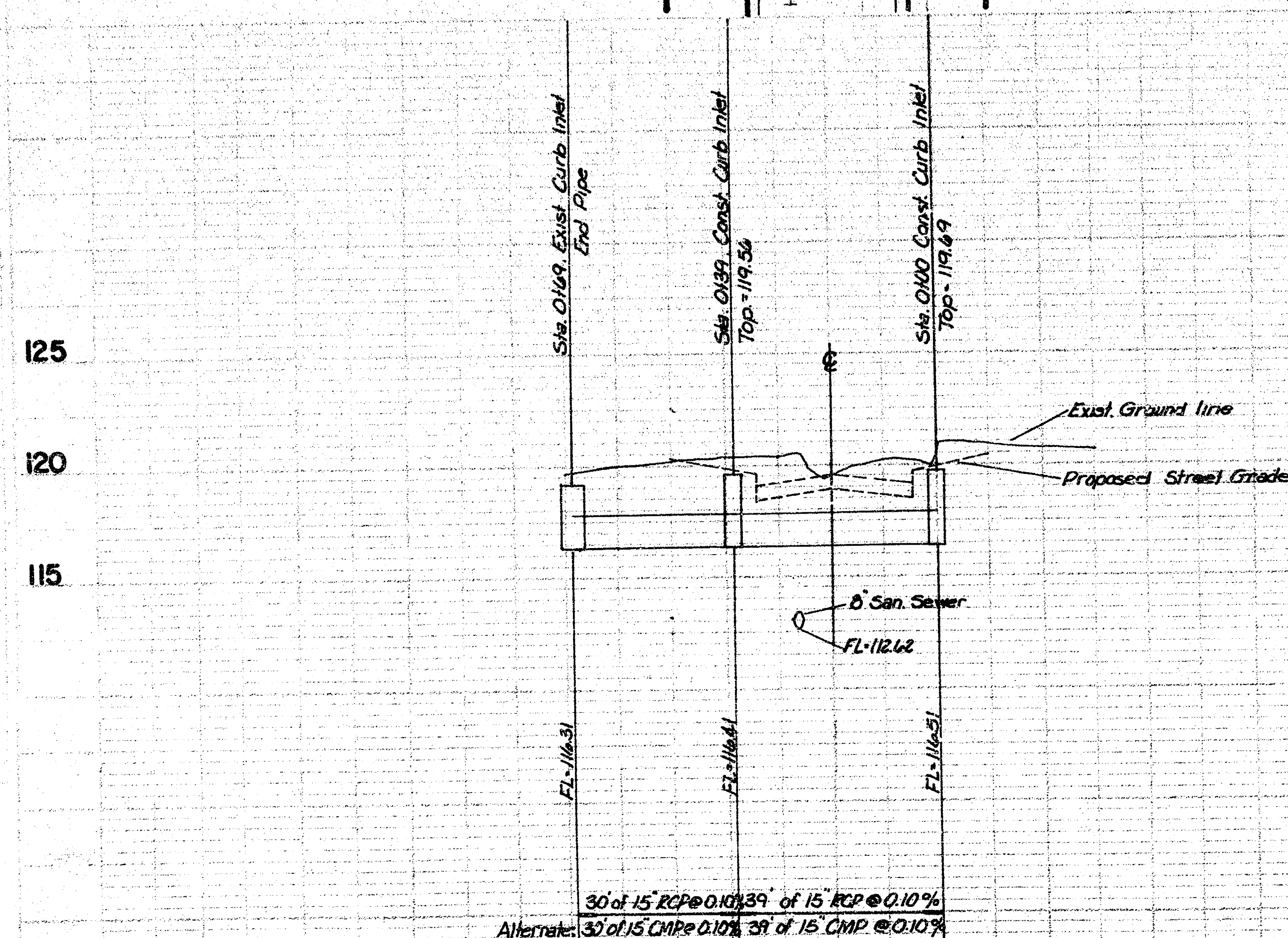
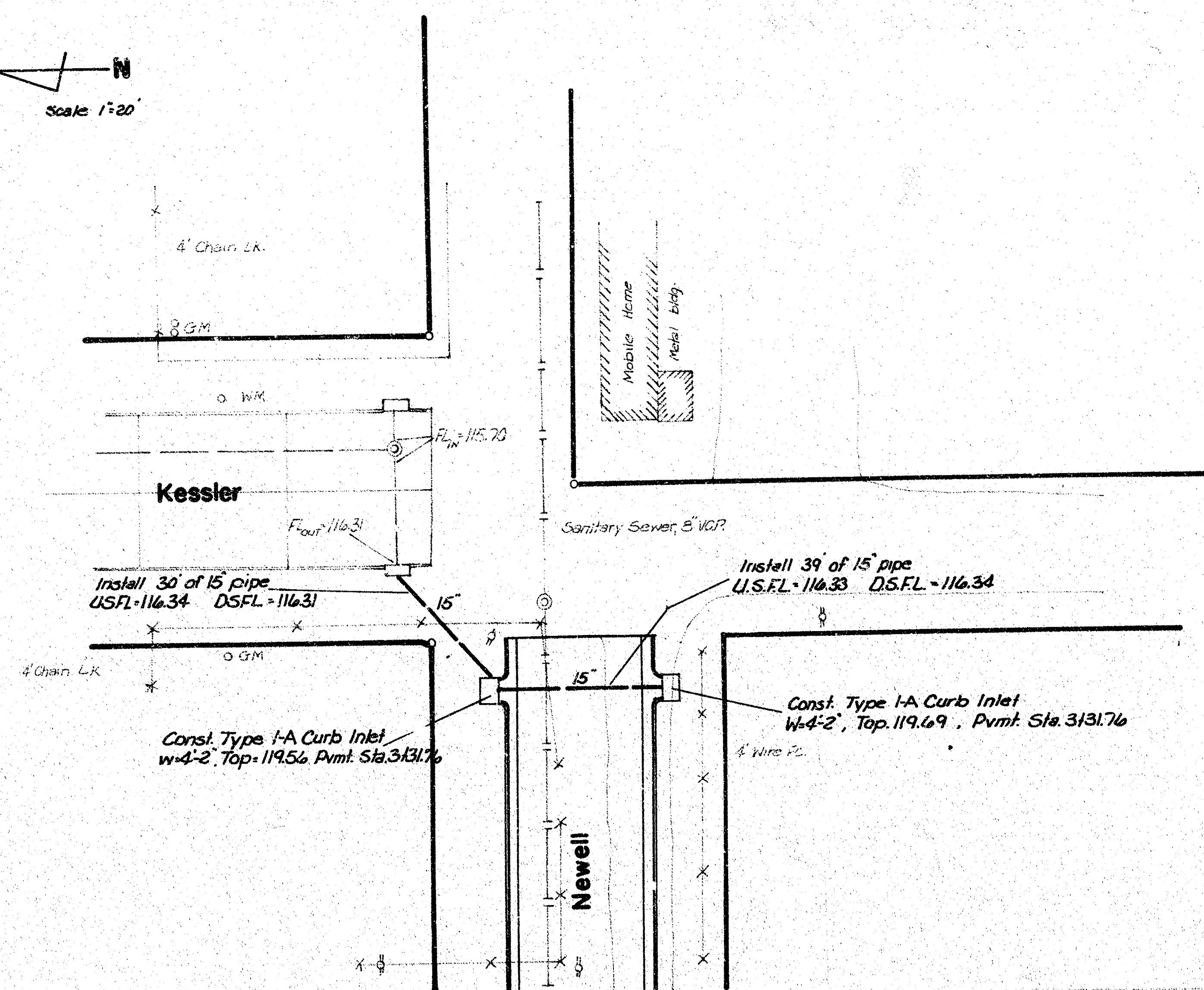
- Notes
- 1) Trees to be removed are marked thus except that any tree which in the opinion of the Field Engineer can be saved shall be spared.
 - 2) Contractor to re-grade Newell-Kessler intersection to provide adequate drainage for said intersection. Cost is to be incidental to project.
 - 3) Const. 4-20 Drives on this project.

	Excavation	City	Property
	1458.4 cy		1458.4 cy
	145.8 cy		145.8 cy
	0.0 cy		1604.2 cy
Manipulation	1225.3 sy		

Newell
from EL McComas to EL Kessler
Proj. no. 472-76-245-81042-000-000-0



N
Scale 1"=20'



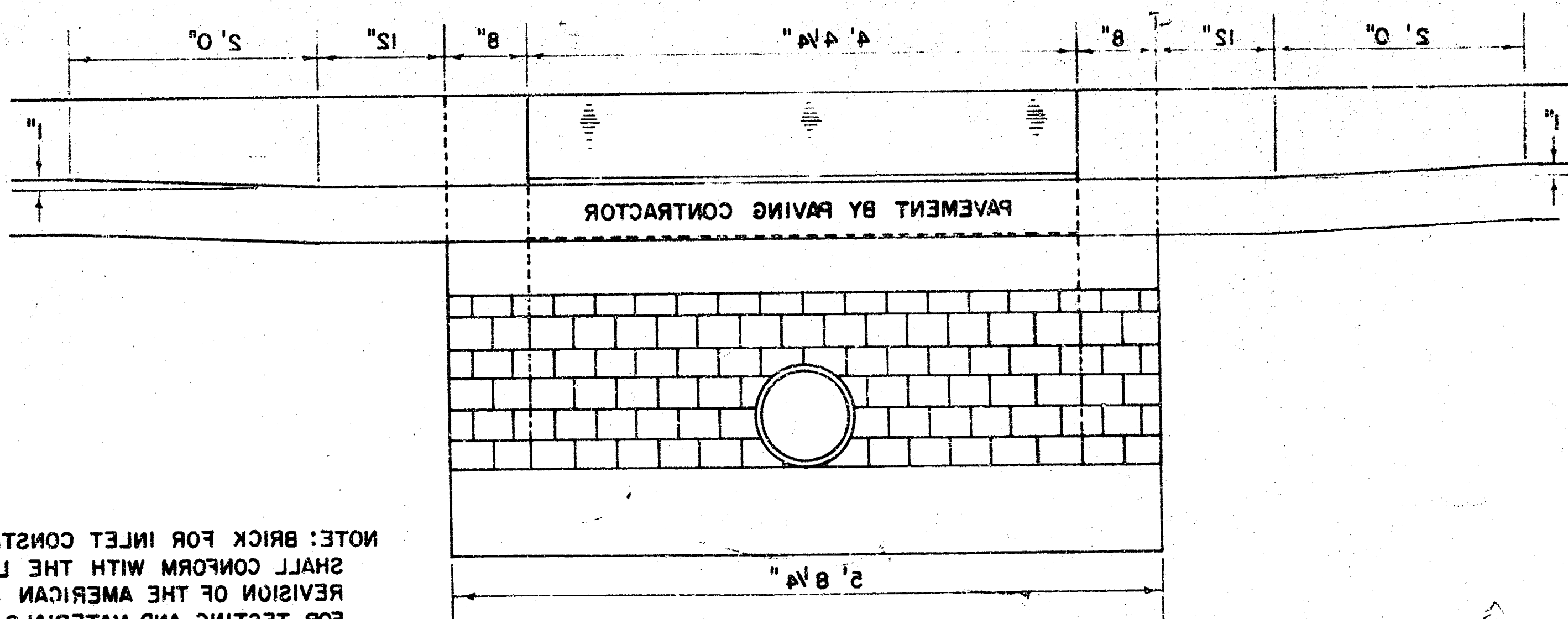
Drainage in connection with paving
NEWELL
EL McComas to EL Kessler st

Proj. no.

Date: 5/7

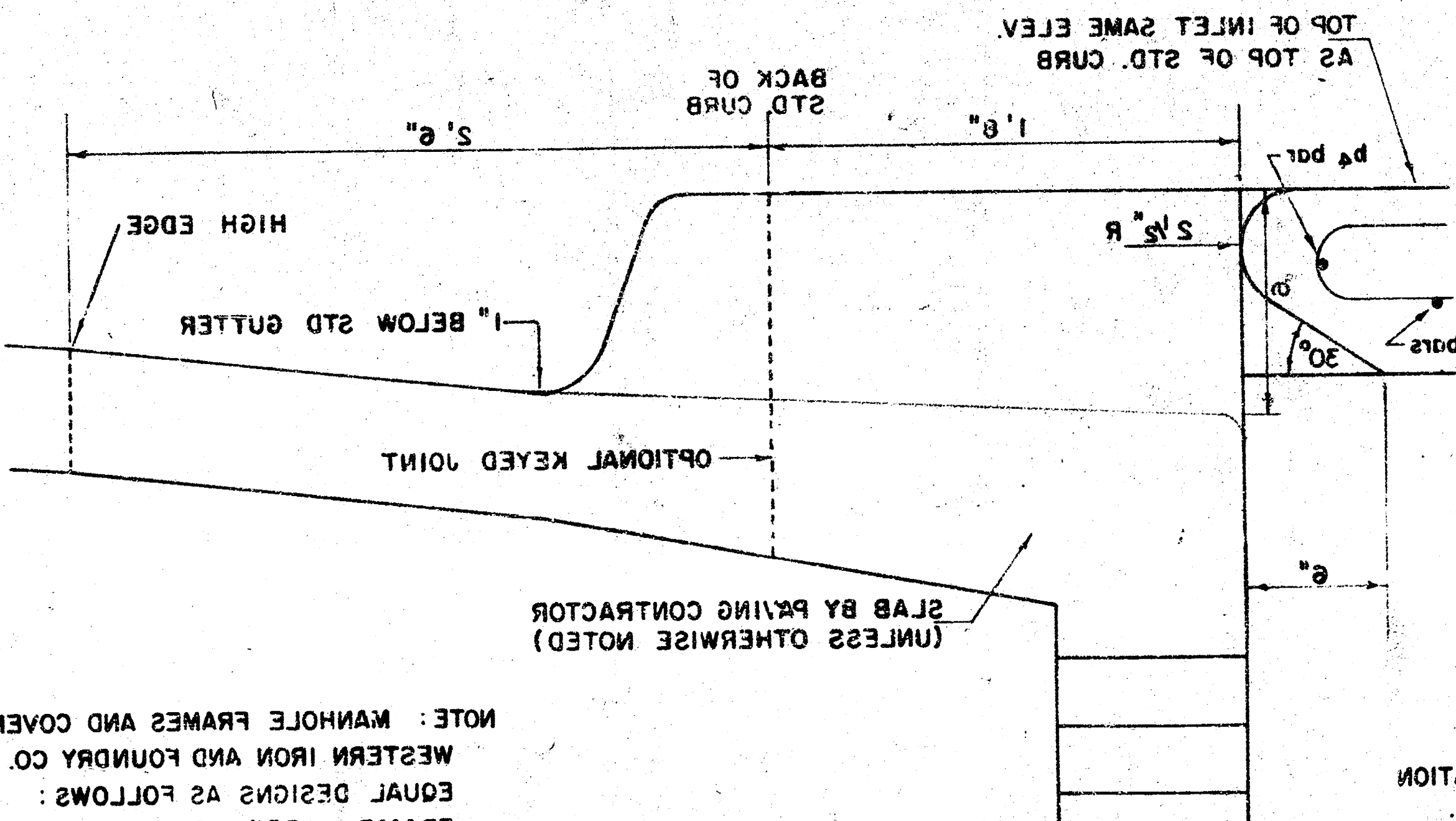
FILMED FROM THE BEST

SECTION C - C
(SCALE - 1" = 1' 0")



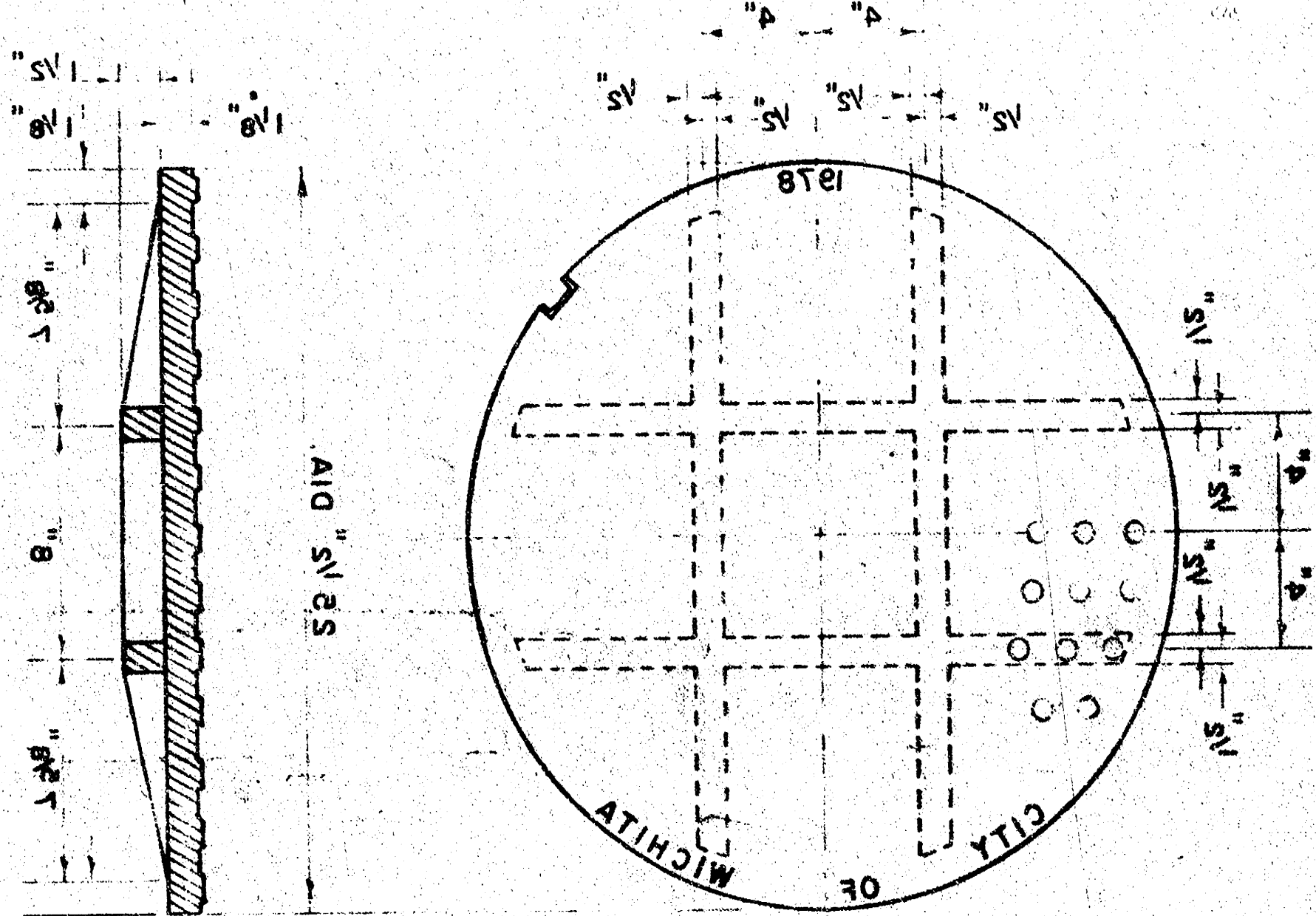
NOTE: BRICK FOR INLET CONSTRUCTION SHALL CONFORM WITH THE LATEST REVISION OF THE AMERICAN SOCIETY FOR TESTING AND MATERIALS DESIGNATION C-35 FOR MANHOLE BRICK GRADE MS.

SECTION B - B
(SCALE 1" = 6")

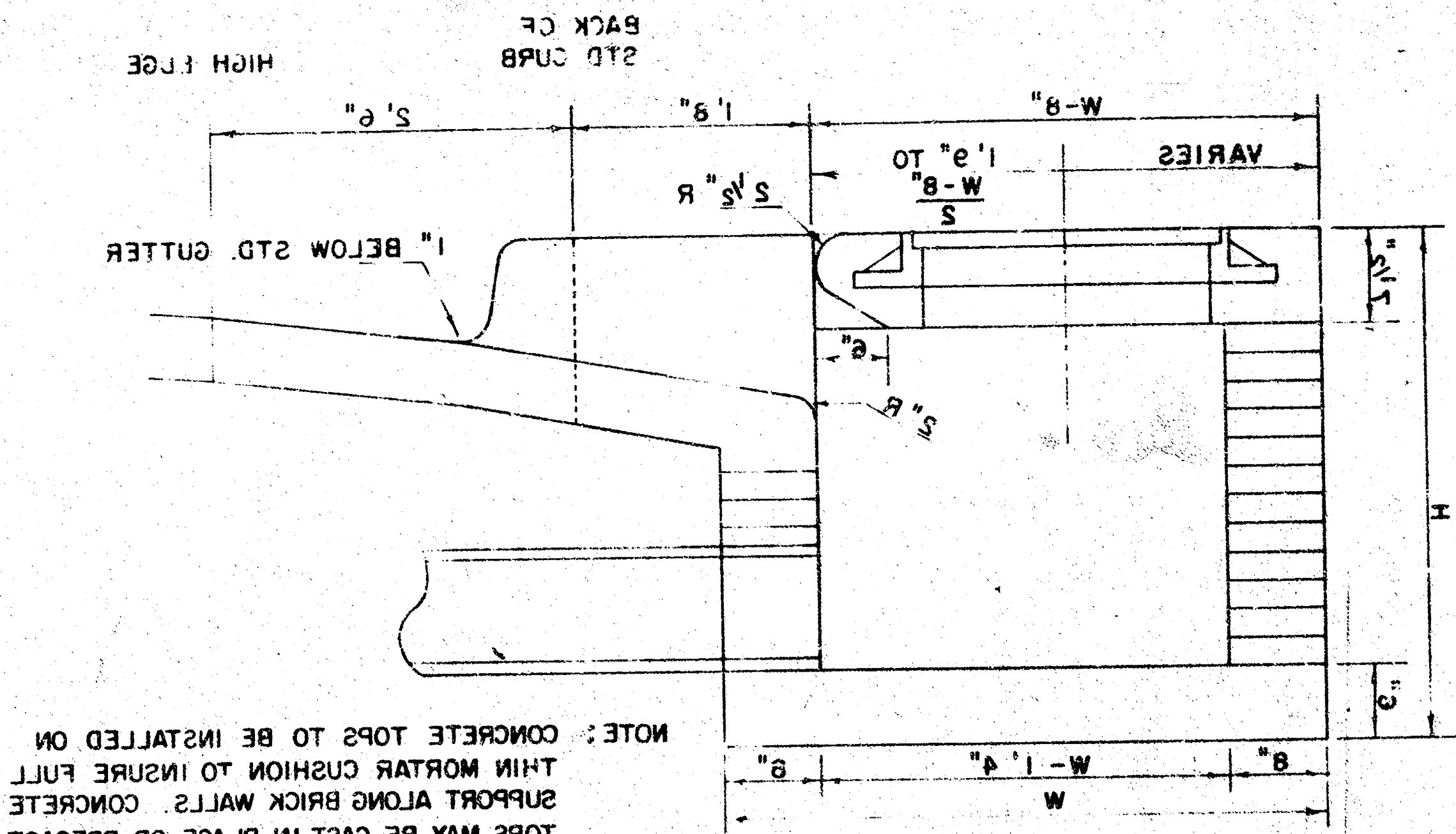


COVER : 225 24 "NOBBY"
FRAME (ALTERNATE) : 200 A4
FRAME : 254 - L6
EQUAL DESIGNS AS FOLLOWS :
WESTERN IRON AND FOUNDRY CO. INC. OR
NOTE : MANHOLE FRAMES AND COVER ARE

MANHOLE COVER



SECTION A-A
(SCALE 1" = 1'0")



NOTE: CONCRETE TOPS TO BE INSTALLED ON THIN MORTAR CUSHION TO INSURE FULL SUPPORT ALONG BRICK WALLS. CONCRETE TOPS MAY BE CAST IN PLACE OR PRECAST CONCRETE FOR INLET TOPS AND FLOORS SHALL BE CITY PAVING MIX.

BENDING DIAGRAM

W	PRECAST TOP SIZE	PIPE SIZE	CU.YD. CONC.
4' 5"	36"x48" IN. x 12'	51" & SMALLER	0.46 *
5' 0"	48"x48" IN. x 12'	54" & 30"	0.27 *
6' 0"	24"x48" IN. x 12'	36" & 45"	0.71 *
7' 0"	60"x48" IN. x 12'	48" & 54"	0.84 *
8' 0"	72"x48" IN. x 12'	60" & 66"	0.97 *

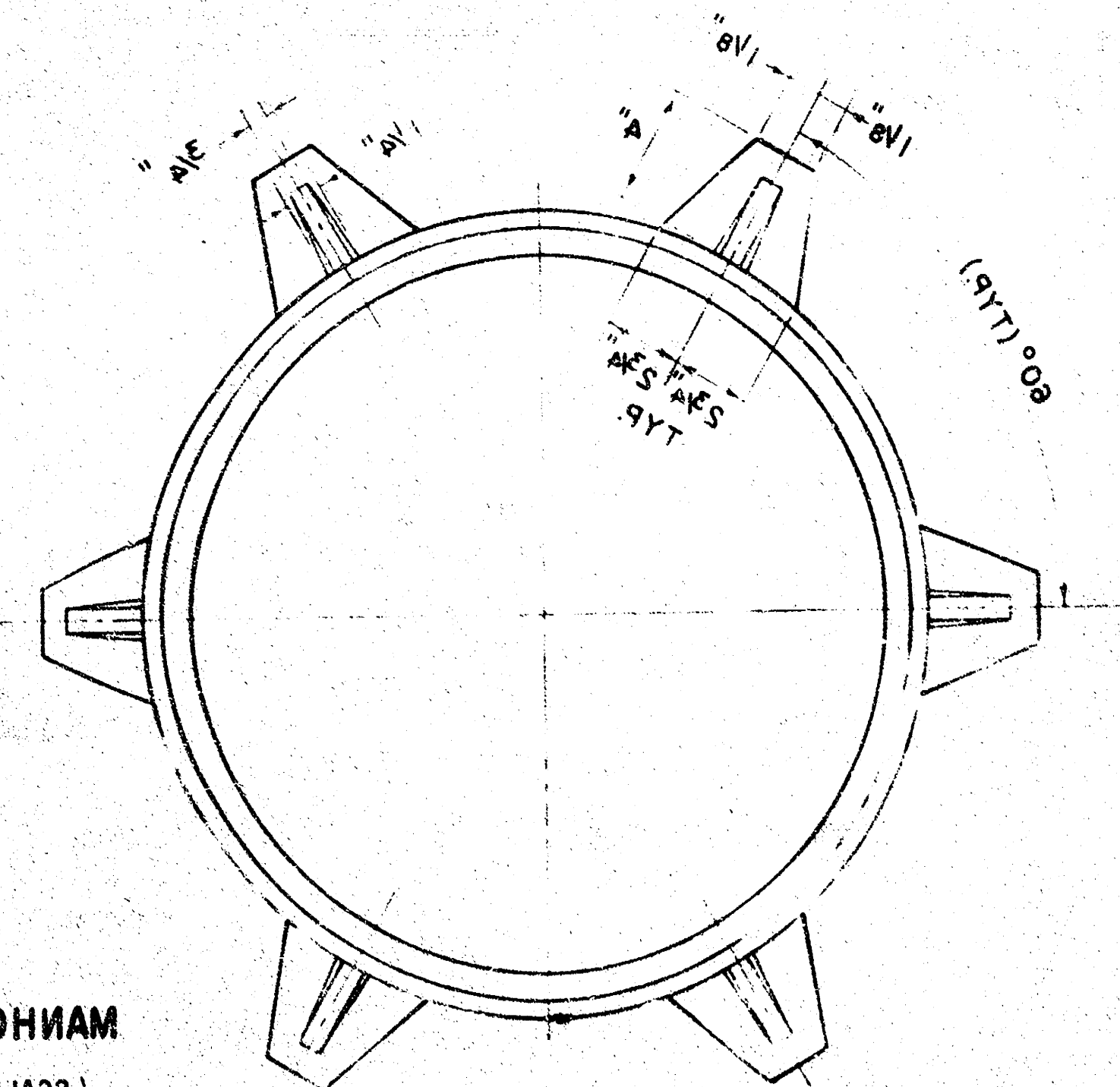
* GROSS VOLUME

STEEL SCHEDULE

[illegible]

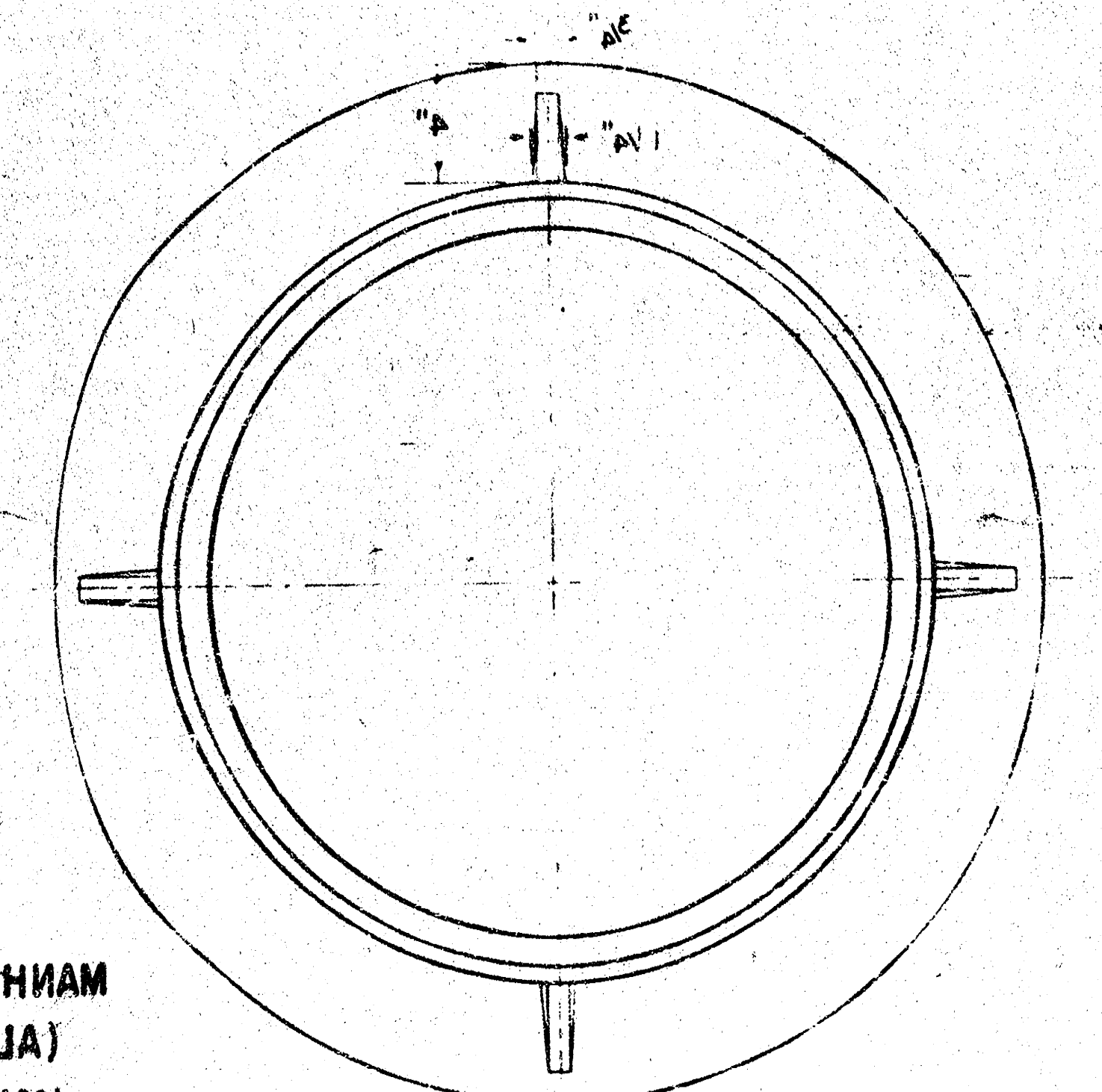
* NOTE : 25 BARS TO BE PLACED APPROX. 5" BELOW TOP OF INLET COVER

MANHOLE FRAME



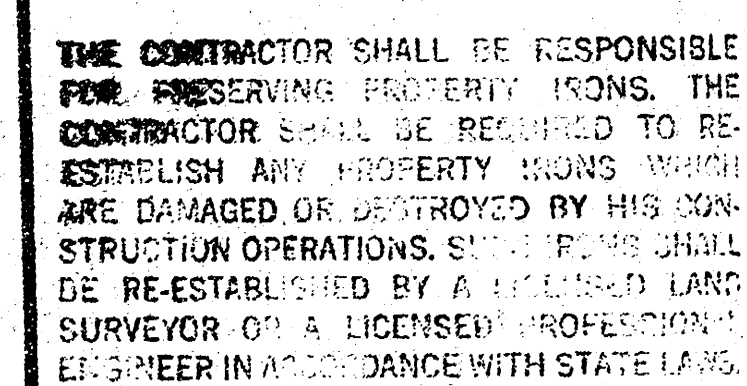
WEIGHT = 180 LBS.
(SCALE "1" = "2")

MANHOLE FRAME
(ALTERNATE)



WEIGHT = 180 LBS.
(SCALE "a")

Scale: 1" = 20'



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	Earthwork City	Property
Excavation	— cy	1458.4 cy
+10%	— cy	145.8 cy
<u>Total</u>	0.0 cy	1604.2 cy
Manipulation	1225.3 sy	

Newell

from EL McComas to EL Kessler
Proj. no. 472-76-245-8i042-000-000-001