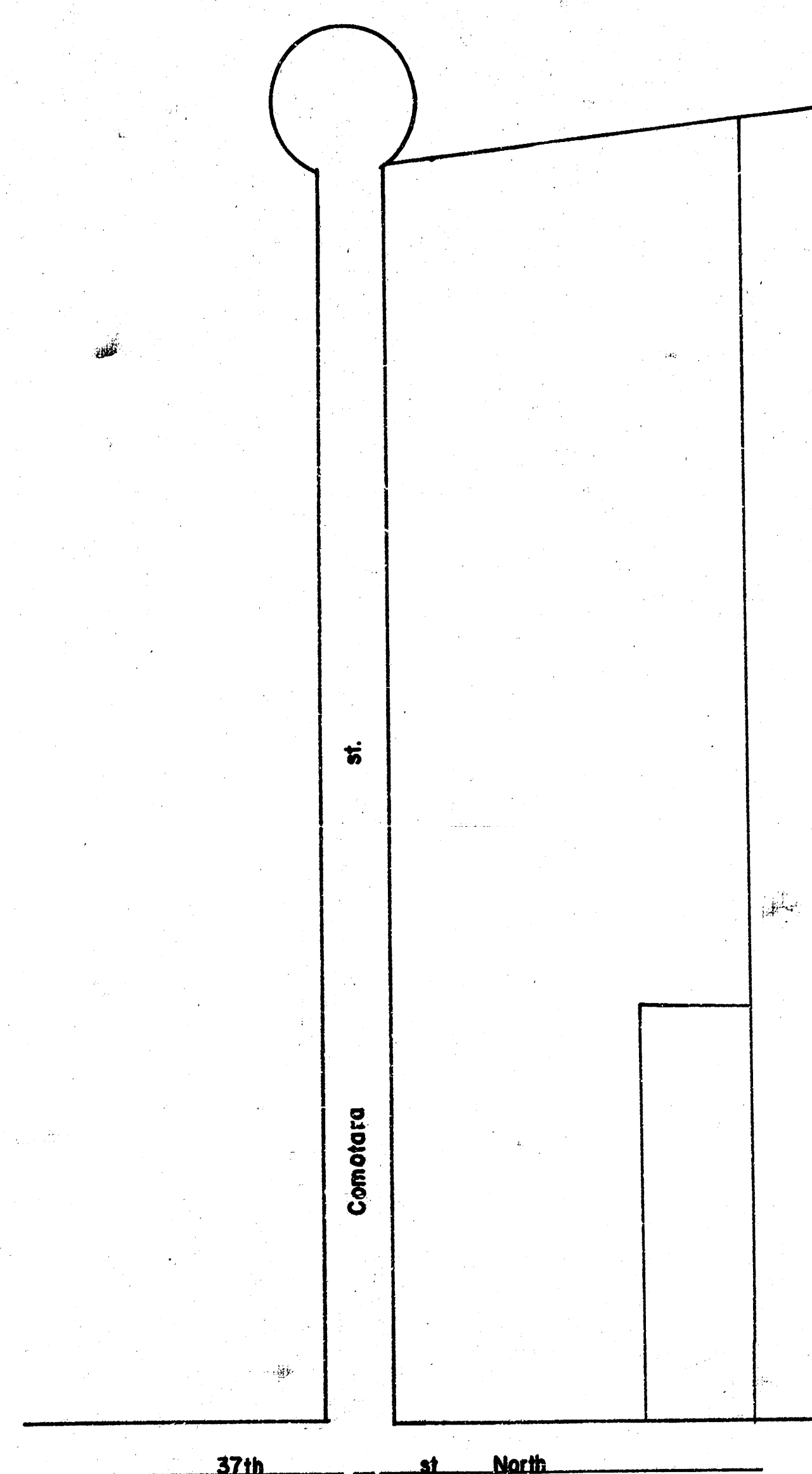
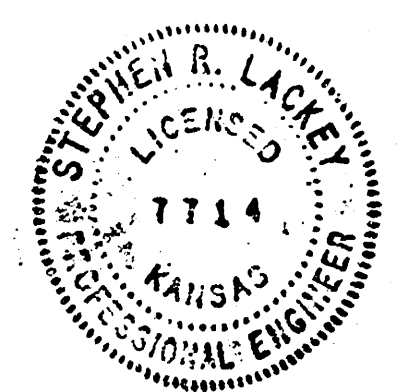
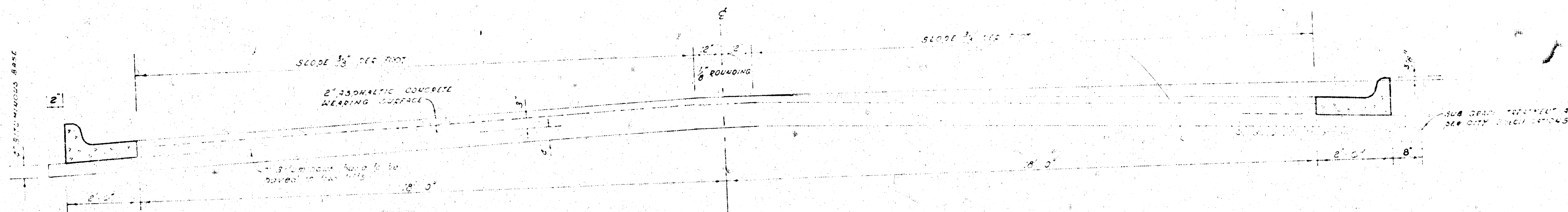


Comotara st.
NL 37th st to NL North Point Industrial Park



Department of Engineering
City of Wichita Kansas
R.W. Bruggeman Dir. Engineering / City Engineer
Proj. no. 472-76-245-81074-000-000-001
Date: _____



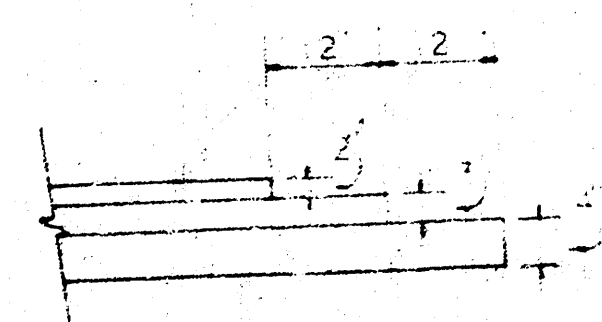


TYPICAL SECTION

4' ASPHALTIC CONCRETE PAVEMENT WITH BITUMINOUS BASE

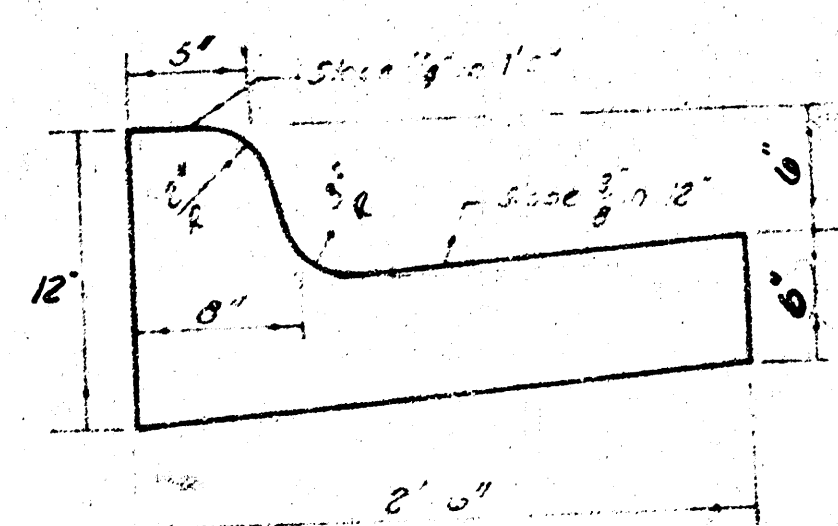
A TACK COAT OF EMULSIFIED ASPHALT (SS-1H) SHALL BE APPLIED AT AN APPROXIMATE RATE 0.05 GALLONS PER SQ YD BETWEEN LIFTS OF ASPHALTIC MATERIALS WHEN ORDERED BY THE ENGINEER. TACK COAT WILL NOT BE PAID FOR DIRECTLY AND SHALL BE CONSIDERED AS SUBSIDIARY TO PRICE BID FOR ASPHALTIC PAVEMENT. BITUMINOUS BASE AND ASPHALTIC CONCRETE WEARING SURFACE SHALL BE PLACED WITH A LAYDOWN MACHINE HAVING AUTOMATIC CONTROLS FOR CROWN AND GRADE. CONSTRUCTION JOINTS IN EACH LIFT SHALL BE STAGGERED A MINIMUM DISTANCE OF 1' WITH JOINTS IN PRECEDING LIFTS AND SUCH THAT A JOINT WILL BE CONSTRUCTED ON THE PAVEMENT CENTERLINE IN THE TOP LIFT.

DETAIL OF TRANSVERSE CONSTRUCTION JOINTS

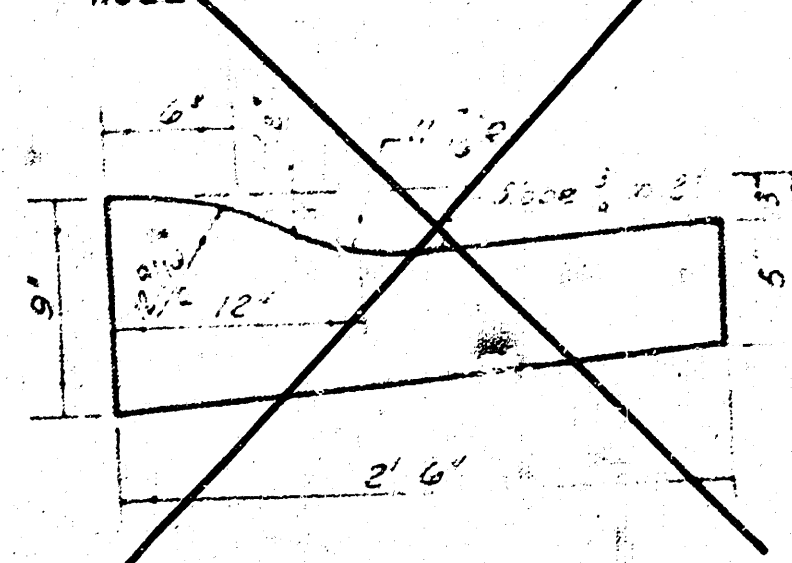


TRANSVERSE CONSTRUCTION JOINTS SHALL BE CONSTRUCTED IN FLEXIBLE BASE PAVEMENTS AT LOCATIONS WHERE PAVEMENT TEMPORARILY ENDS TO FACILITATE FUTURE PAVEMENT CONSTRUCTION AS SHOWN BY DETAIL. THE COST OF CONSTRUCTING THE TRANSVERSE CONSTRUCTION JOINTS SHALL NOT BE MEASURED OR PAID FOR DIRECTLY BUT SHALL BE INCLUDED IN THE BID PRICE FOR SQUARE YARDS OF ASPHALTIC CONCRETE PAVEMENT.

COMBINED CURB & GUTTER



ROLL TYPE CURB & GUTTER



The A.C. pavement between the curb & gutter shall be paid as 30 yds. of 4' asphaltic concrete (with bituminous base). The Bituminous Base and 2' curb & gutter shall be paid as 30 yds. of bituminous base.

CITY OF WICHITA, KANSAS

DEPARTMENT of

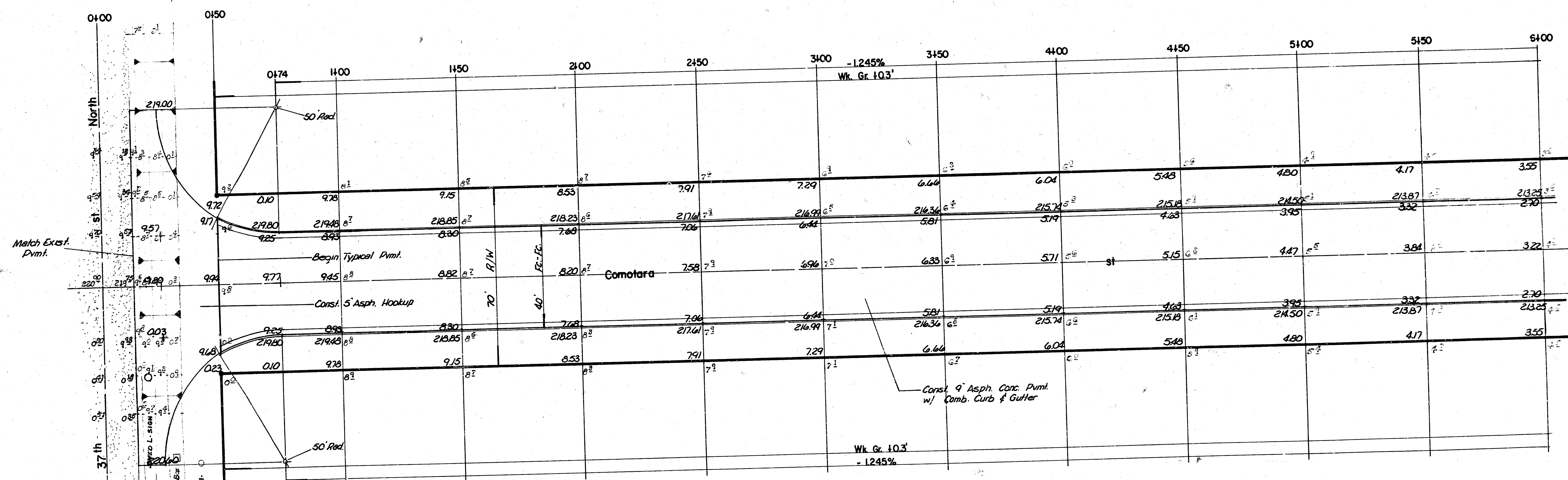
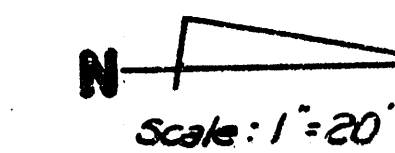
- Engineering

DATE

2/14

FILMED FROM THE BEST AVAILABLE COPY

BM 219.80 R.R. spike N-fc P.P. SW cor. 37th st. N. & Comotara st.
 BM 211.80 "□" NW cor. headwall R.C.B. undgr. R.R. on WestParkway 1800' ± N of 37th st N.
 BL is @ Comotara

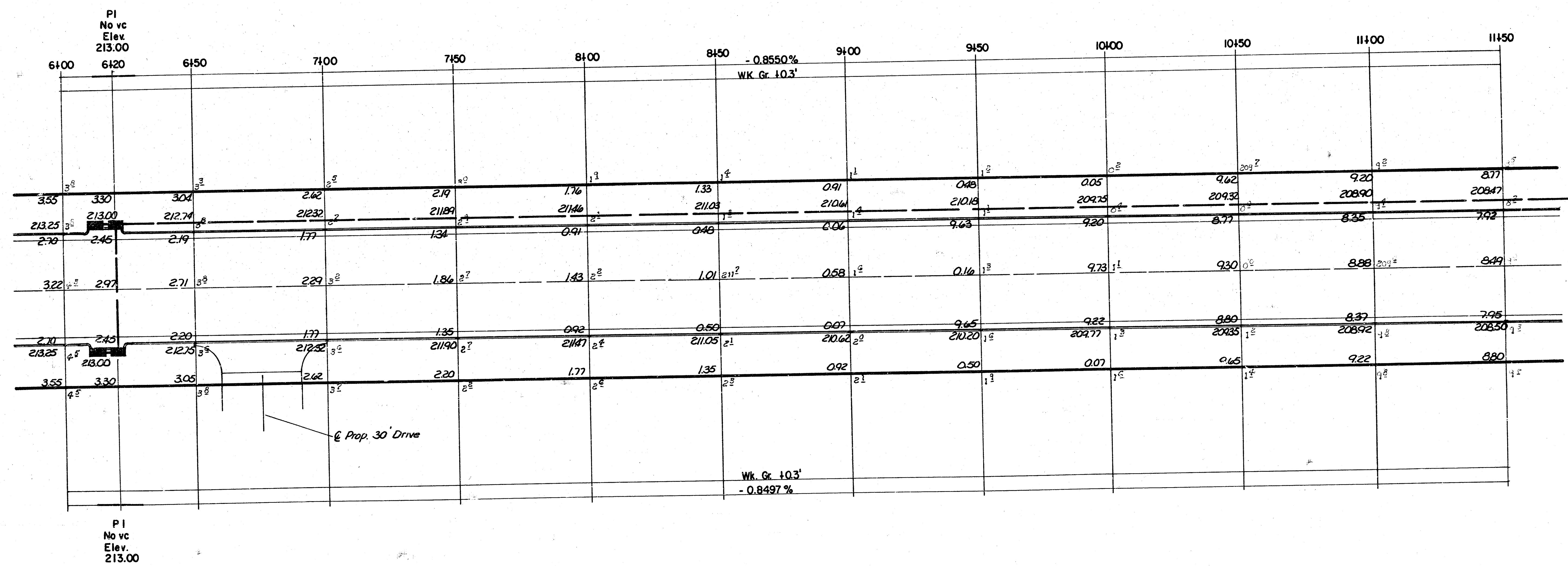
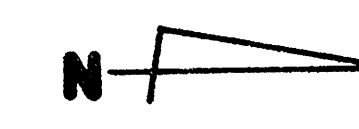


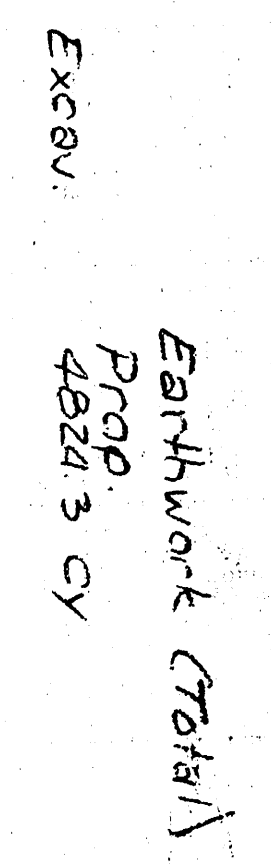
Earthwork
 Property
 Excavation 4824.3 cy
 10% 4824 cy
 Total 5306.7 cy
 Manipulation 6176.3 cy

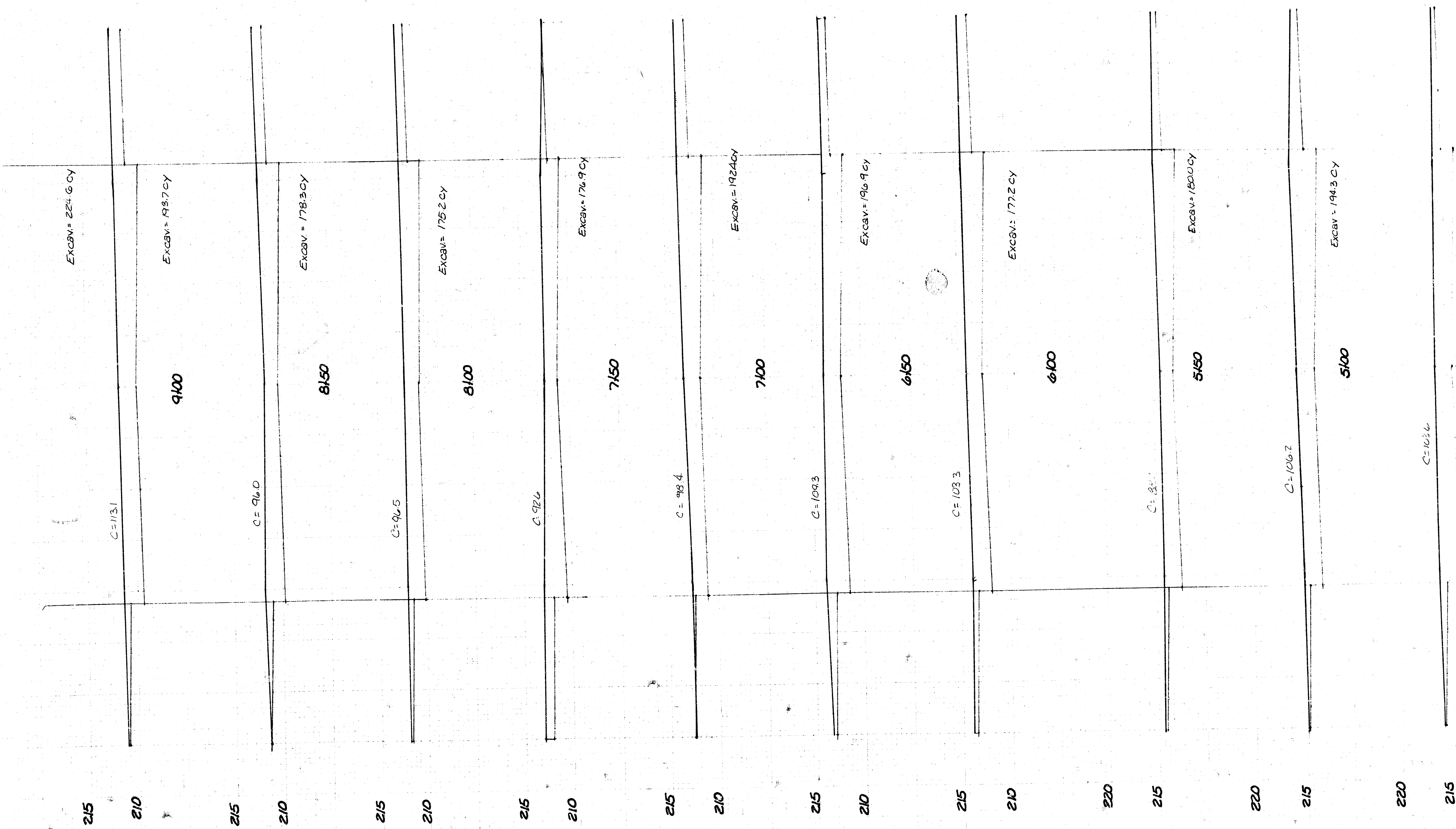
SUB-GRADE
 TYPE OF SUB-GRADE TREATMENT SHALL BE DE-
 TERMINED BY THE FIELD ENGINEER. SUB-GRADE
 TREATMENT MAY CONSIST OF LIME TREATMENT,
 CEMENT TREATMENT, SUB-GRADE MODIFICA-
 TION, OR ANY COMBINATION OF THESE.

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

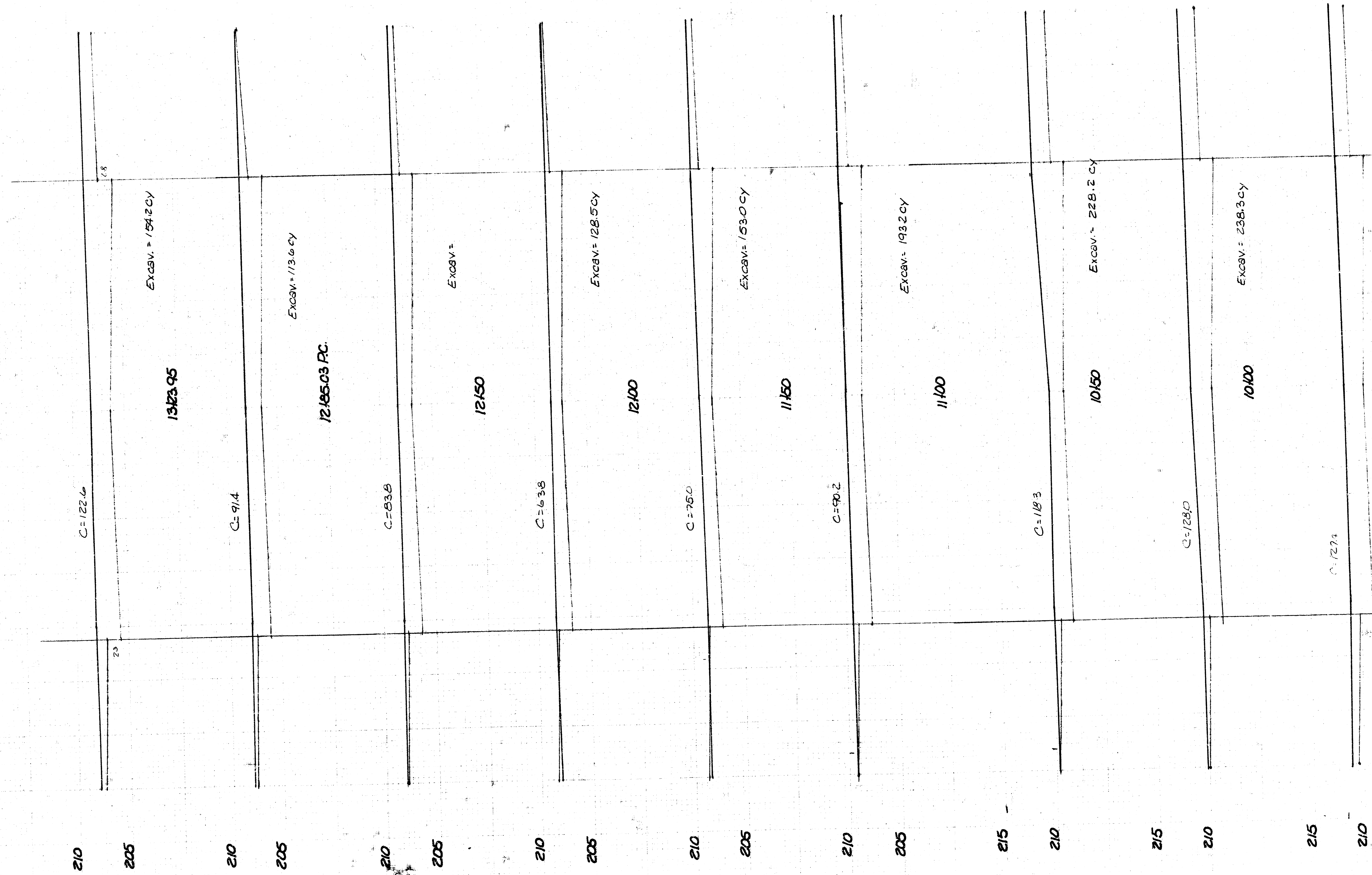
Comotara st
 from NL 37th st North to NL
 North Point industrial Park
 Proj. no 472-76-245-81074-000-000-001



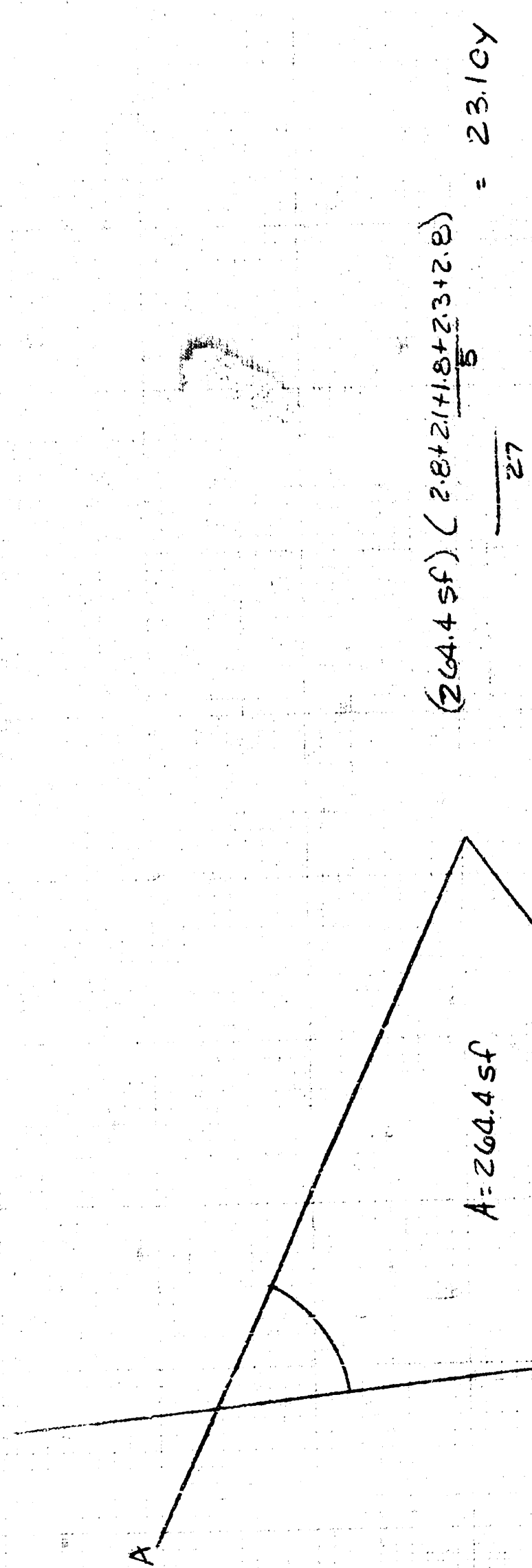




30 20 10 0 10 20 30
Earthwork (This Sheet)
Excav. 2034.5 CY



Excav.
Earthwork (This Sheet)
Prof.
1345.7cy



210
205
28
G
C = 132.5
Excav. = 167.0 cy

210
205
C = 154.2
F
Excav. = 125.6 cy

210
205
C = 132.8
E
Excav. = 103.1 cy

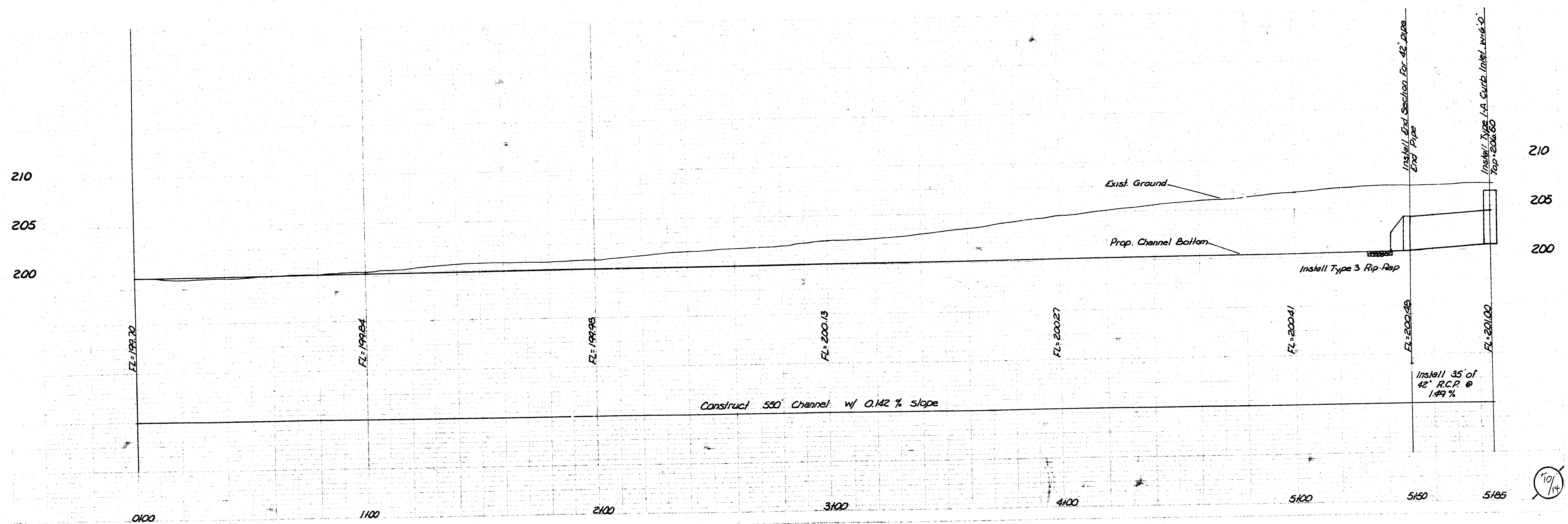
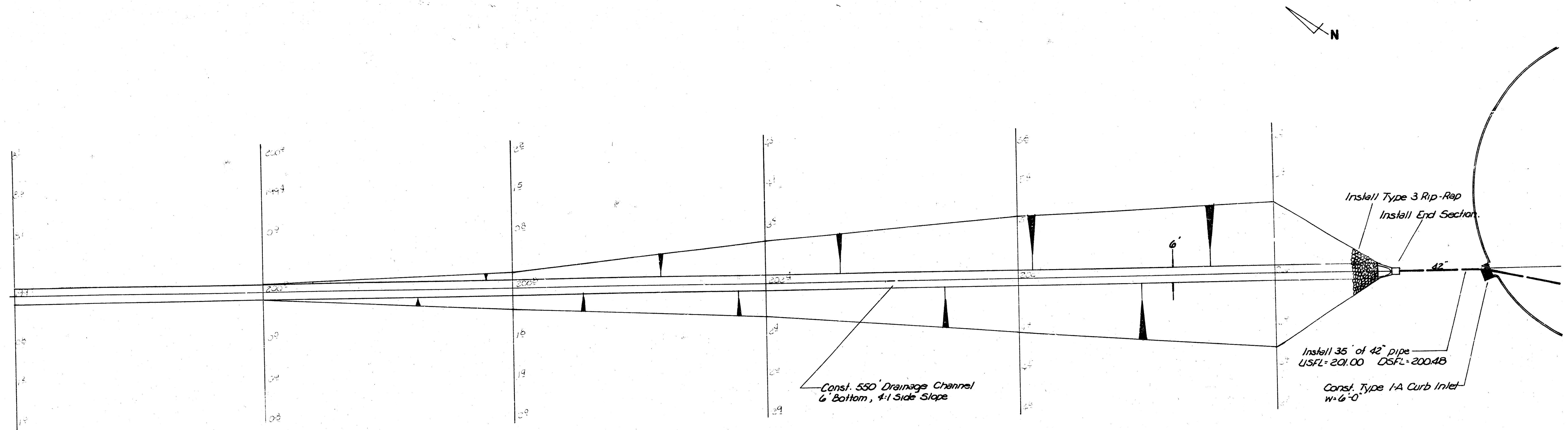
210
205
C = 103.1
D
Excav. = 114.6 cy

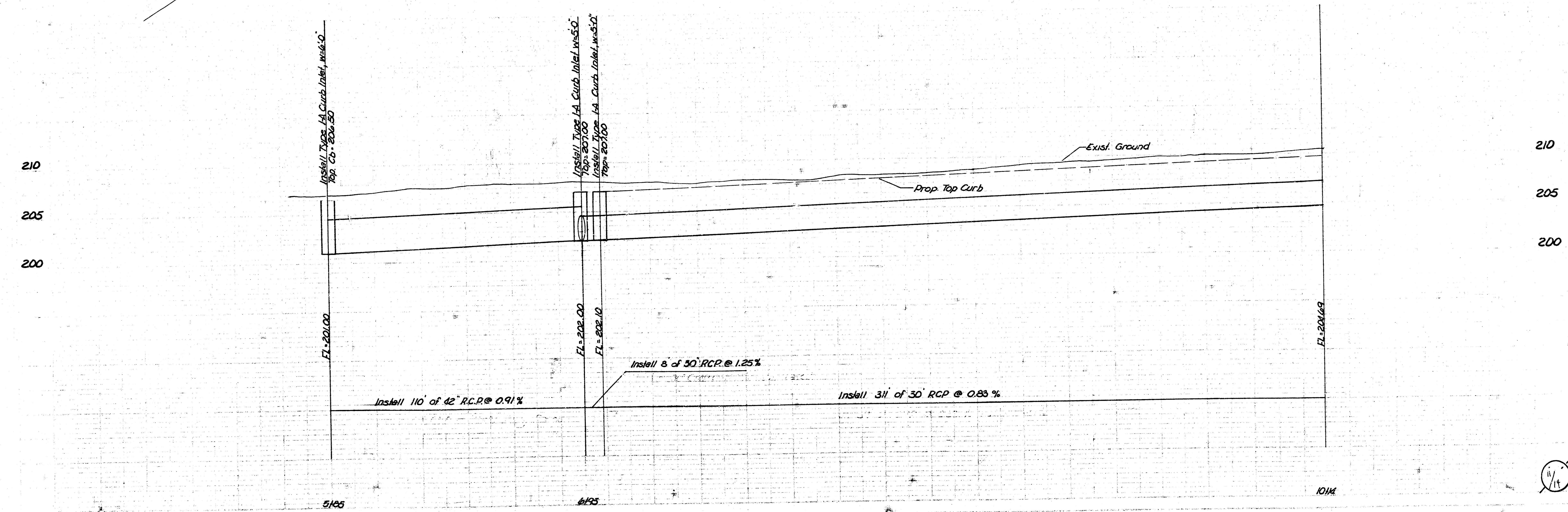
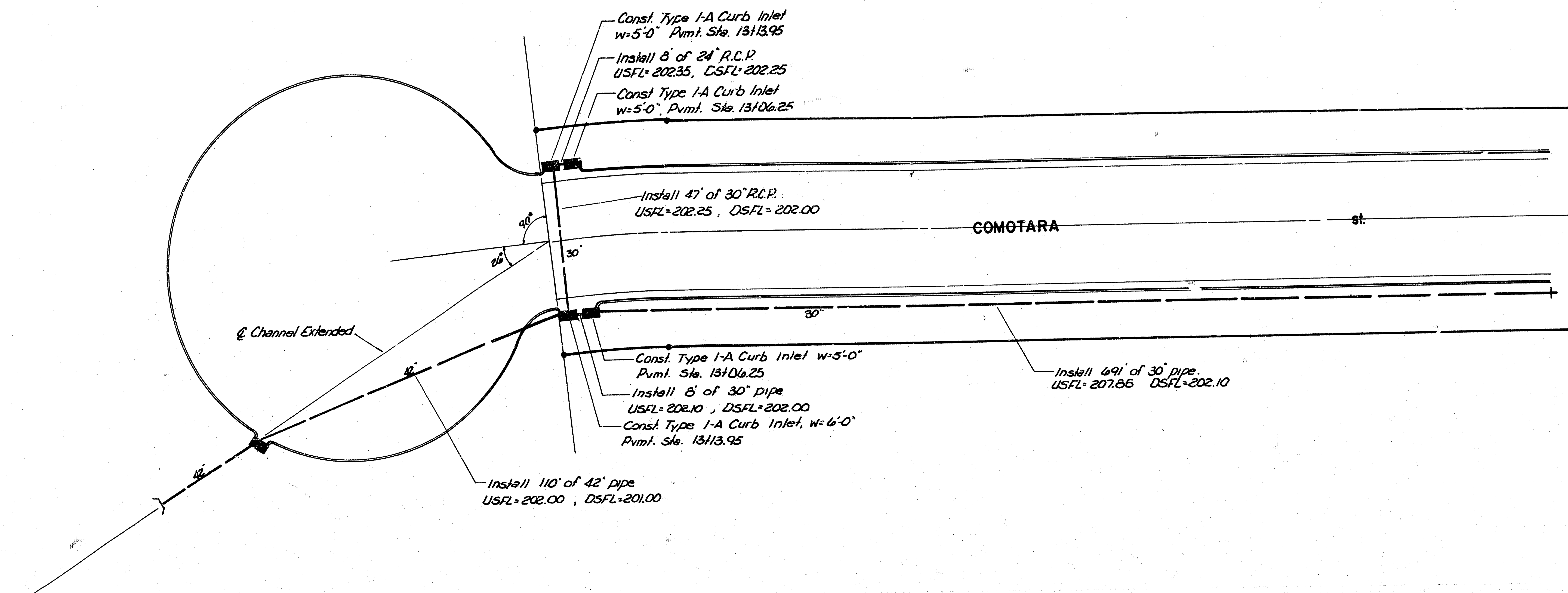
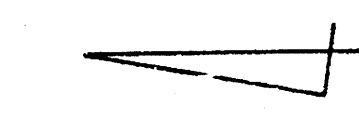
210
205
C = 103.9
C
Excav. = 66.0 cy

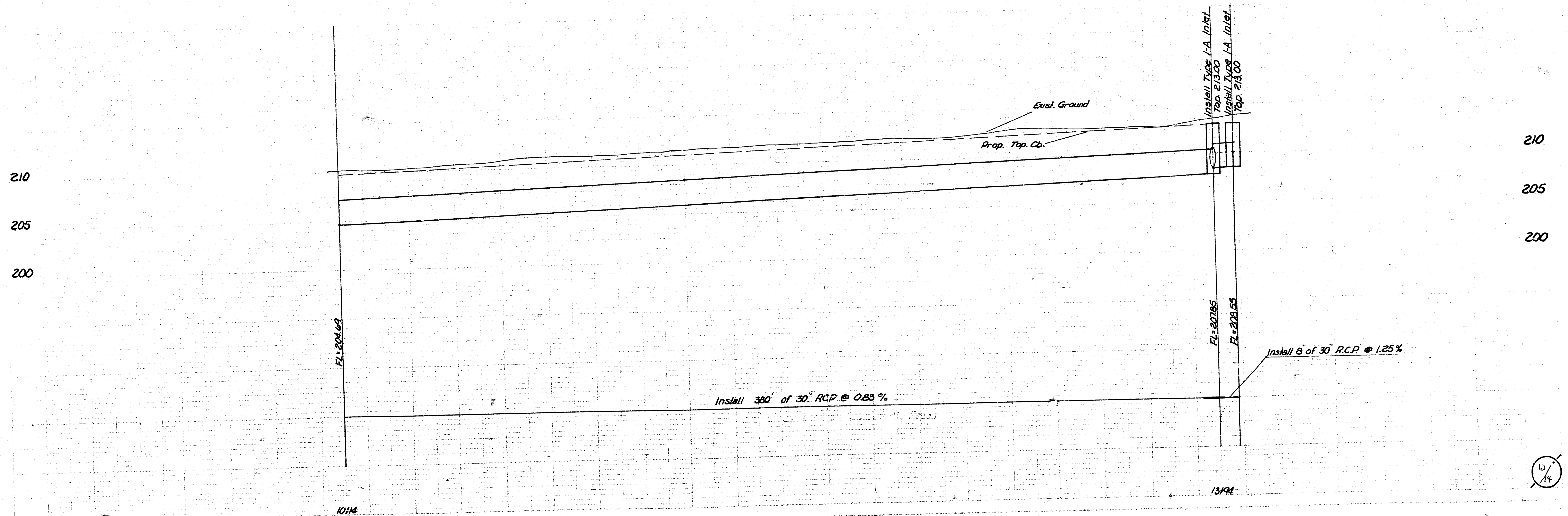
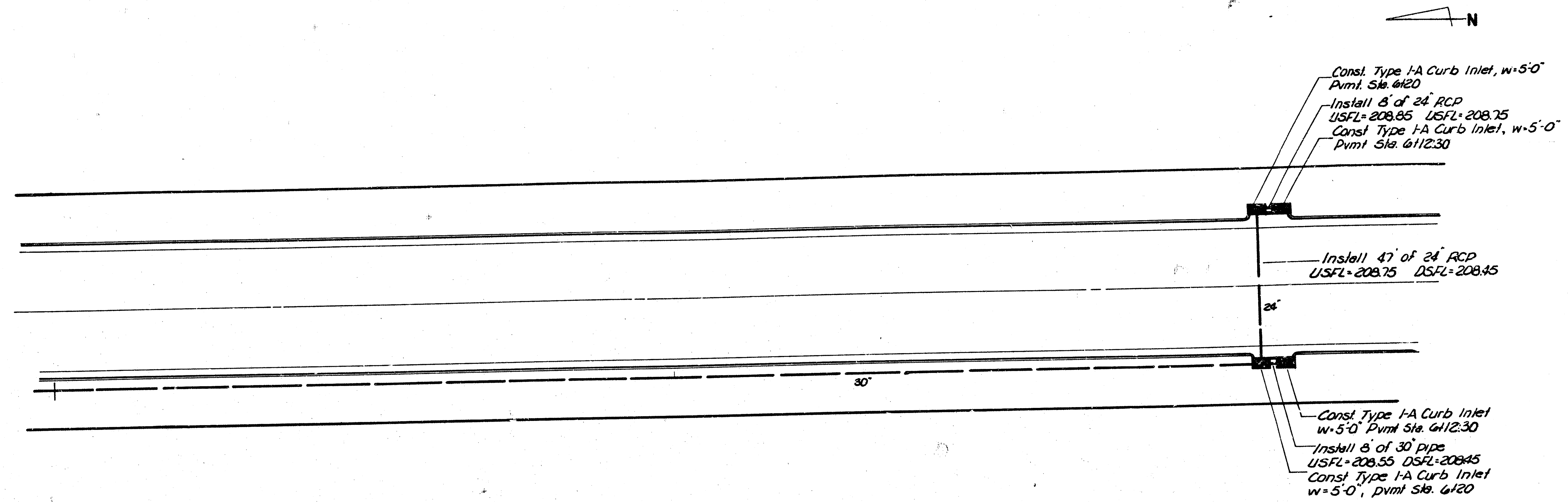
210
205
C = 103.2
B
Excav. = 125.0 cy

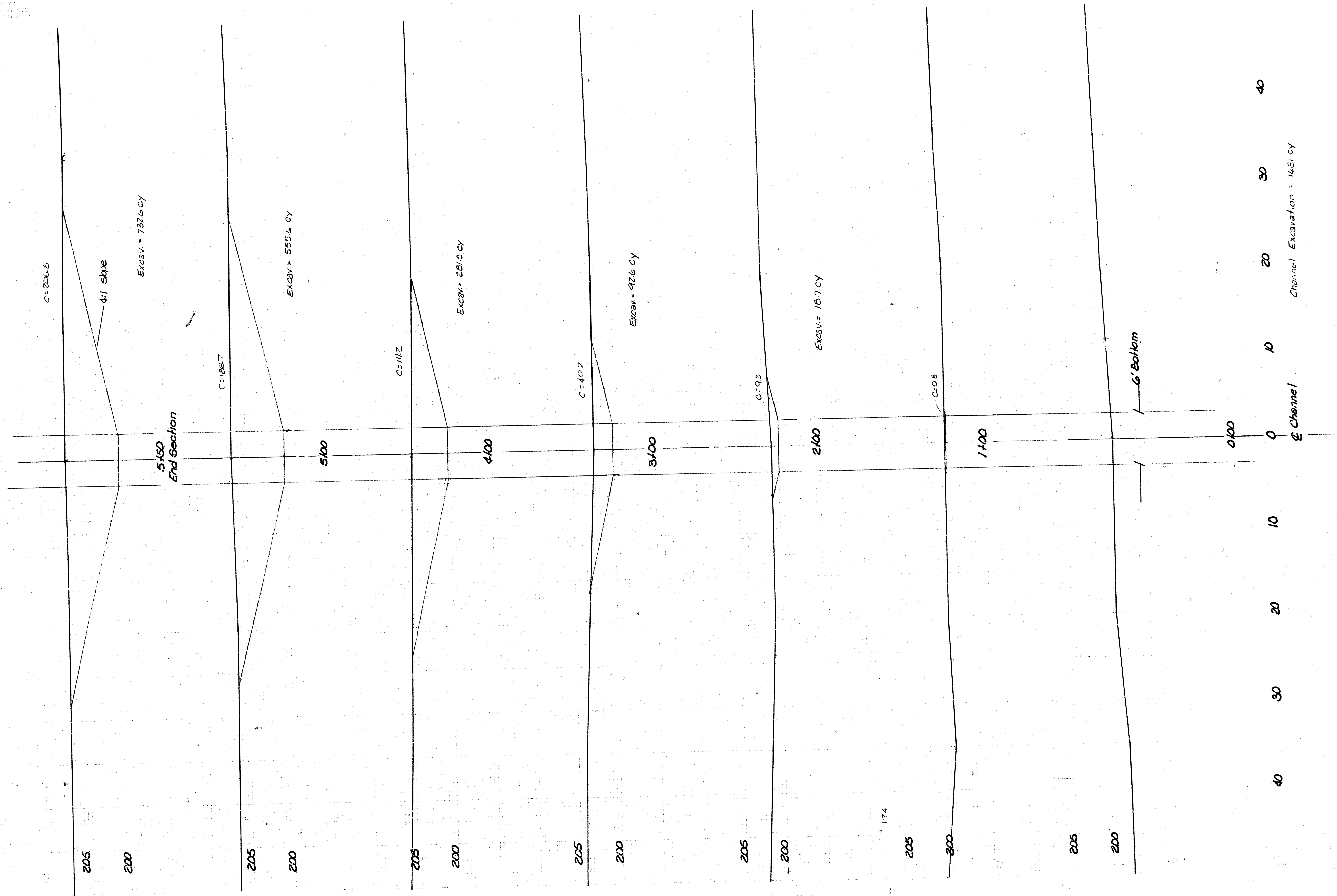
210
205
C = 111.8
A
Excav. = 125.0 cy

60 50 40 30 20 10 0
Excav.
Earthwork (This Sheet)
Prop. 741.3 cy

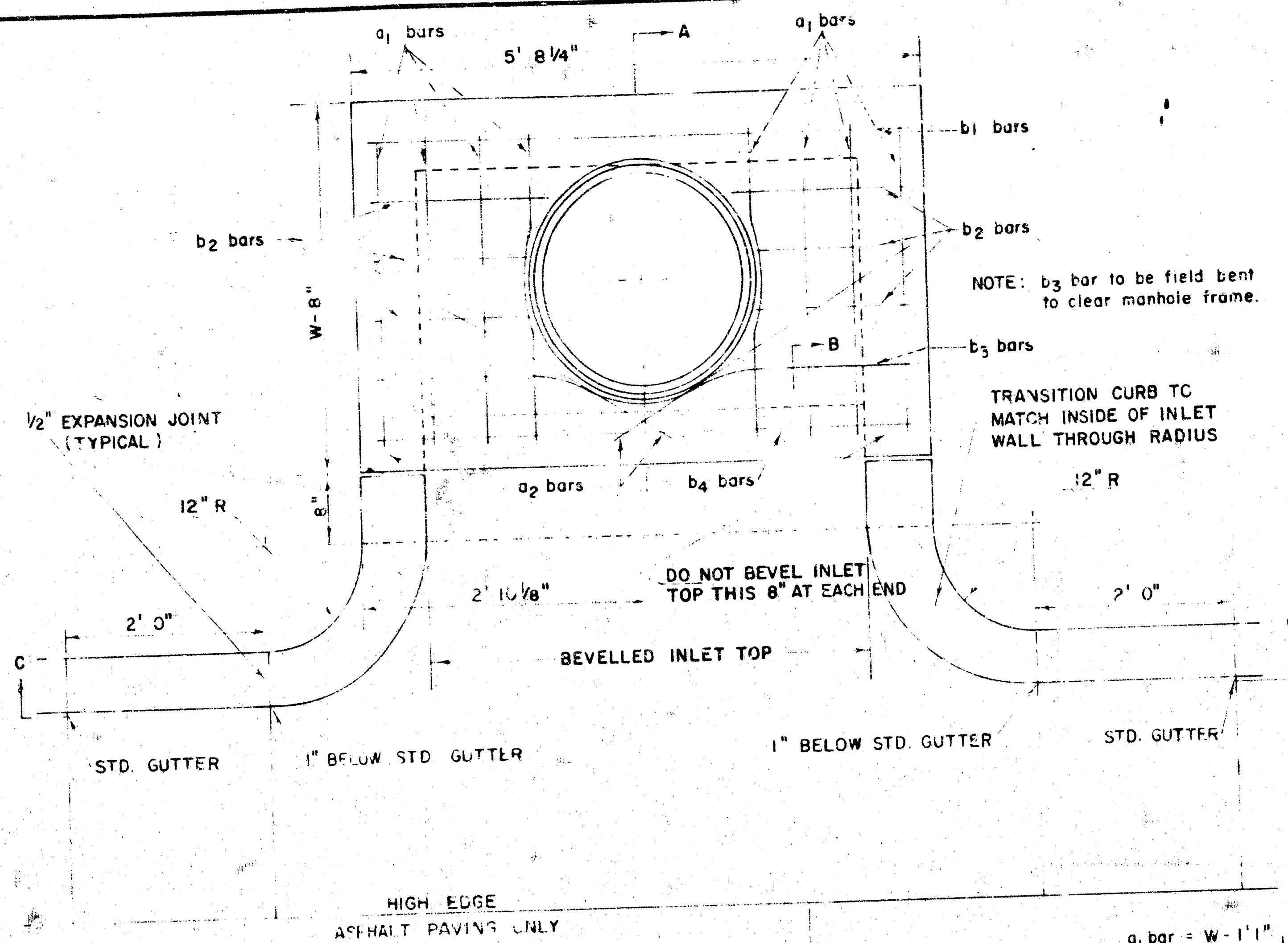








13/14



PLAN (SCALE 1" = 1'0")

STEEL SCHEDULE

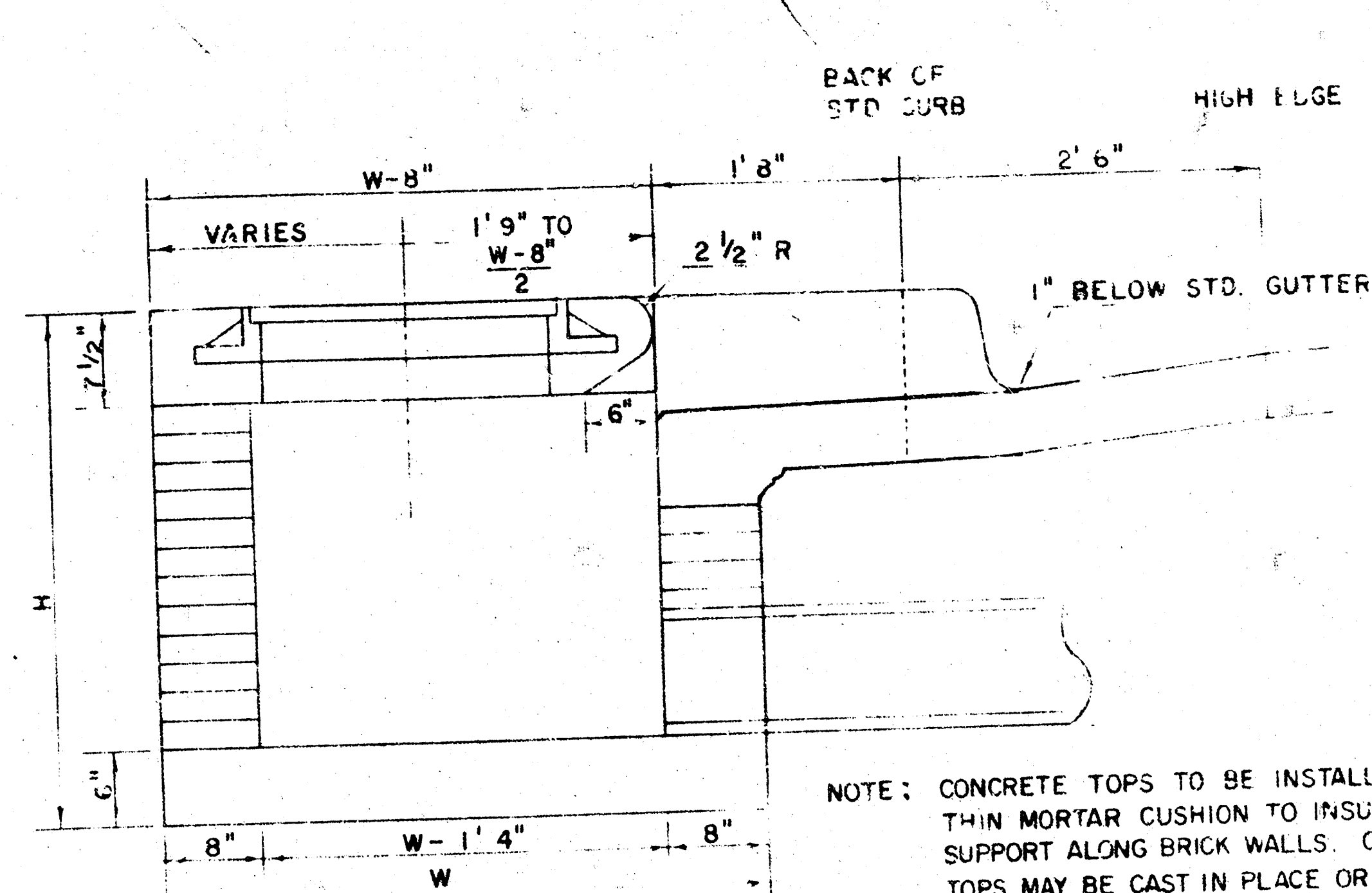
BAR	a ₁	a ₂	b ₁	b ₂	b ₃	b ₄	WT. LBS.
NUMBER	8	2	1	2	5	7	9
SIZE	"4"	"4"	"4"	"4"	"4"	"4"	"6"
W=4'2"	6'5"	5'4"	5'5"	-	-	-	60"
W=5'0"	8'1"	4'4"	-	5'5"	-	-	77"
W=6'0"	10'1"	5'4"	-	5'5"	-	-	97"
W=7'0"	12'1"	6'4"	-	5'5"	-	-	111"
W=8'0"	14'1"	7'4"	-	5'5"	-	-	124"

* NOTE: a₂ BARS TO BE PLACED APPROX. 2" BELOW TOP OF INLET COVER

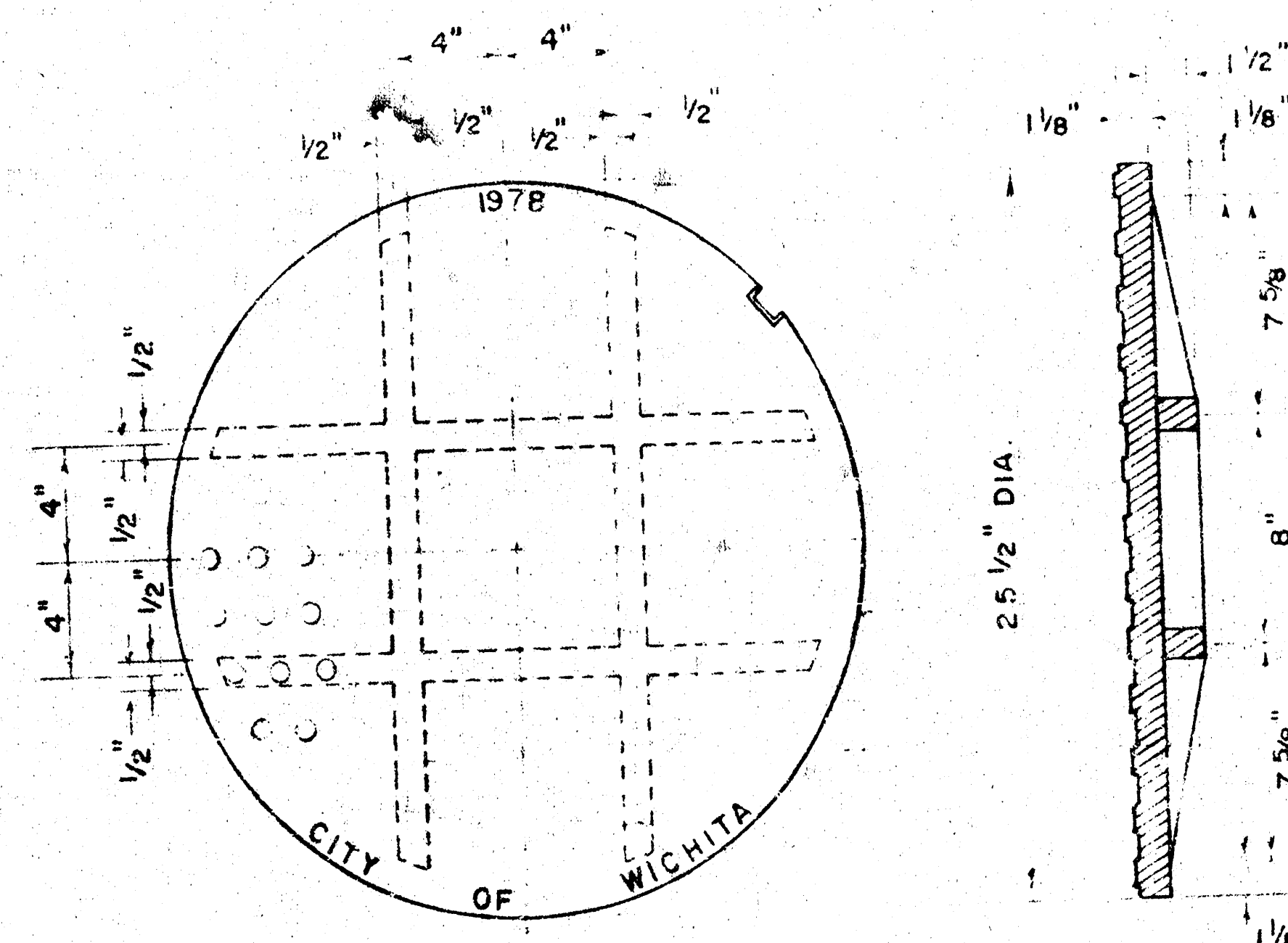
BENDING DIAGRAM

W	PRE-CAST TOP SIZE	PIPE SIZE	CU. YD. CONC.
4' 2"	36" x 5' 8 1/4" x 7 1/2"	21" & SMALLER	0.46 *
5' 0"	44" x 5' 8 1/4" x 7 1/2"	24" & 30"	0.57 *
6' 0"	54" x 5' 8 1/4" x 7 1/2"	36" & 42"	0.71 *
7' 0"	64" x 5' 8 1/4" x 7 1/2"	48" & 54"	0.84 *
8' 0"	74" x 5' 8 1/4" x 7 1/2"	60" & 66"	0.97 *

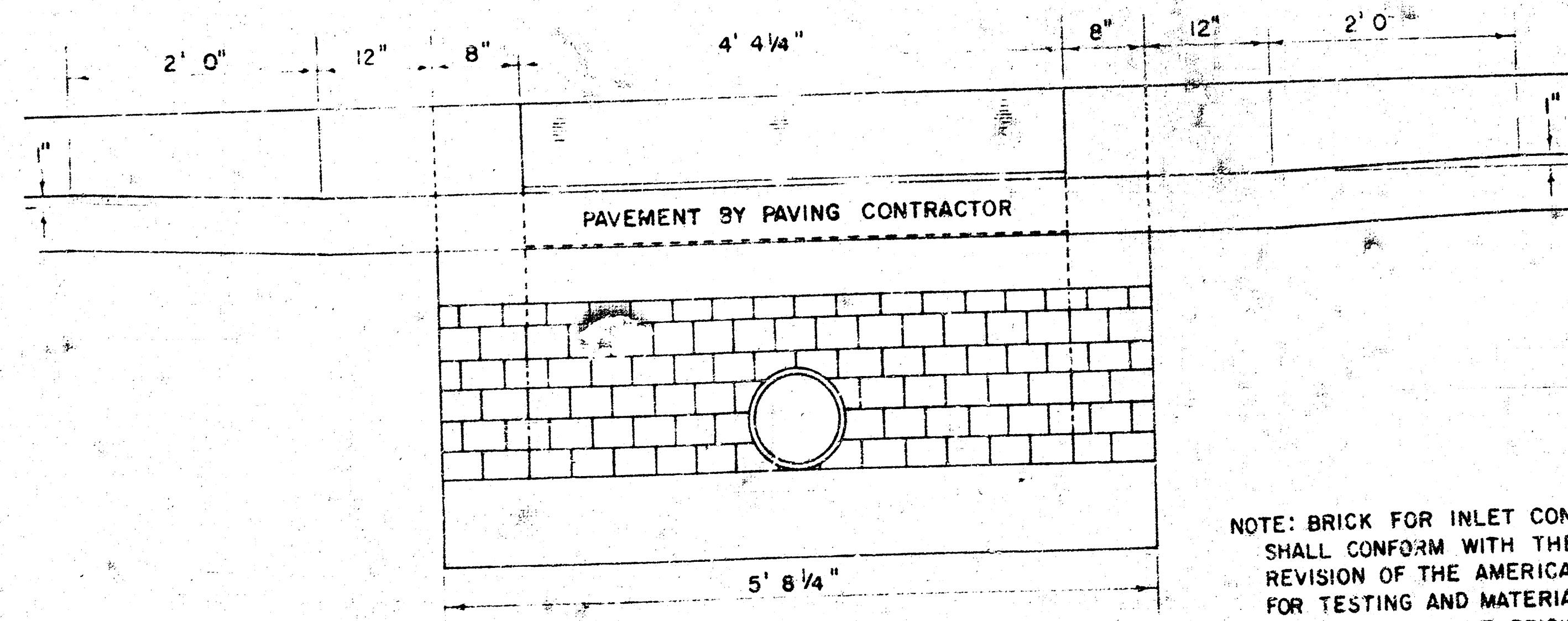
* GROSS VOLUME



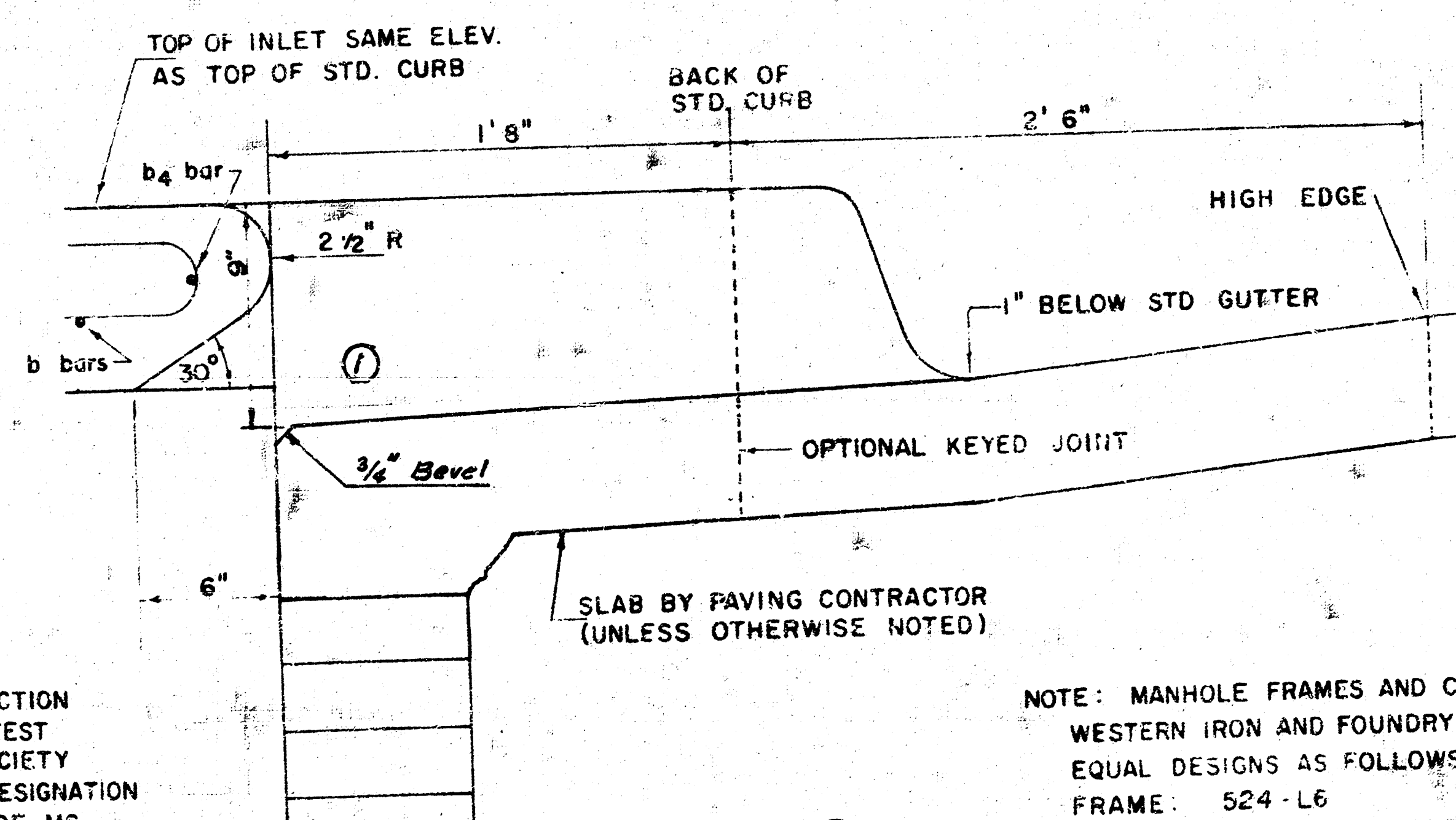
SECTION A-A
(SCALE 1" = 1'0")



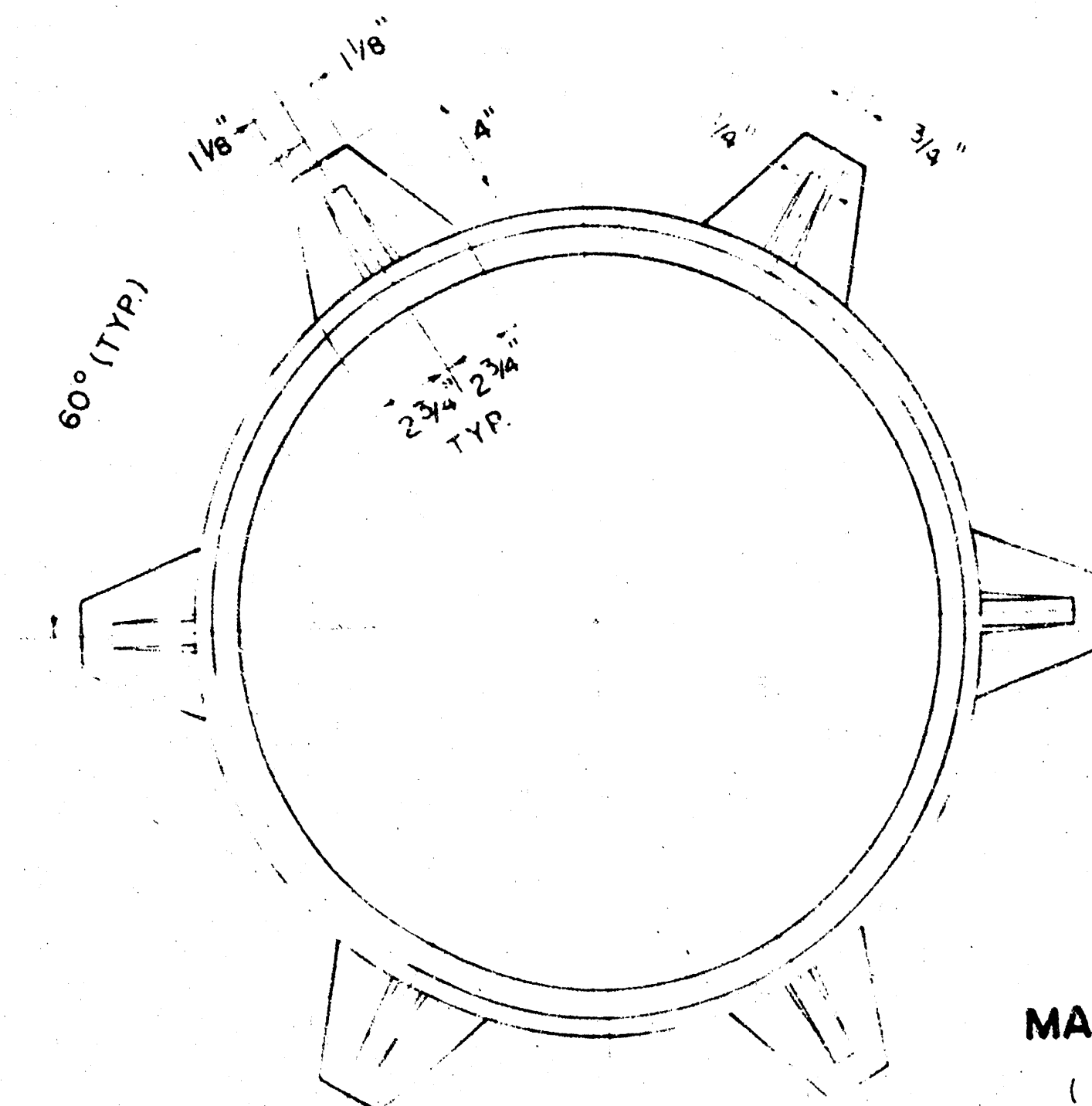
MANHOLE COVER
(SCALE 1" = 6")
WEIGHT = 170 LBS.



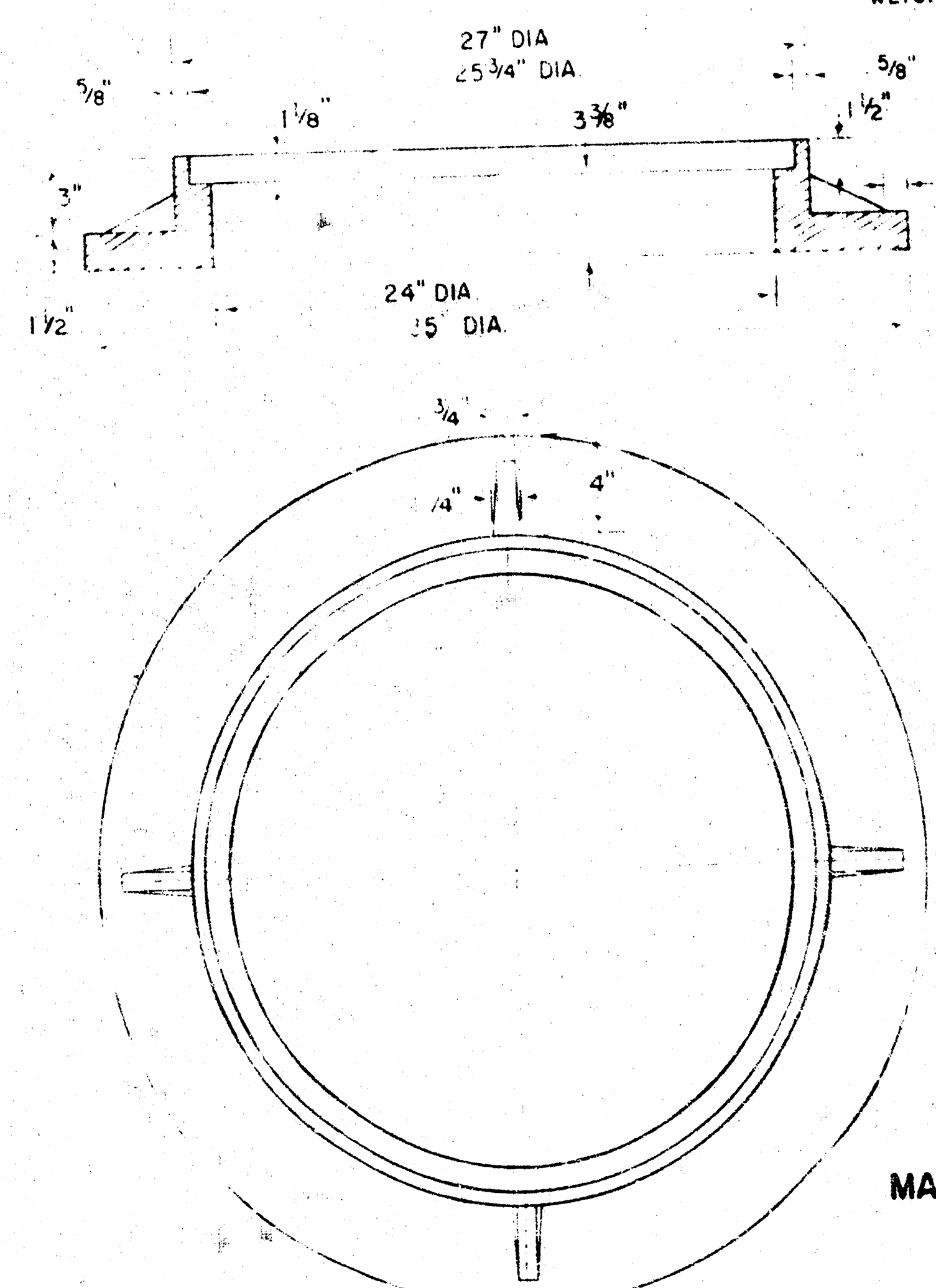
SECTION C-C
(SCALE 1" = 1'0")



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



MANHOLE FRAME
(SCALE 1" = 6")
WEIGHT = 180 LBS.



MANHOLE FRAME
(ALTERNATE)
(SCALE 1" = 6")
WEIGHT = 180 LBS.

DETAIL STANDARD TYPE 1A CURB INLET
CITY OF WICHITA, KANSAS
R.W. BRUGGEMAN, DIRECTOR OF ENGINEERING/
CITY ENGINEER
JUNE, 1981