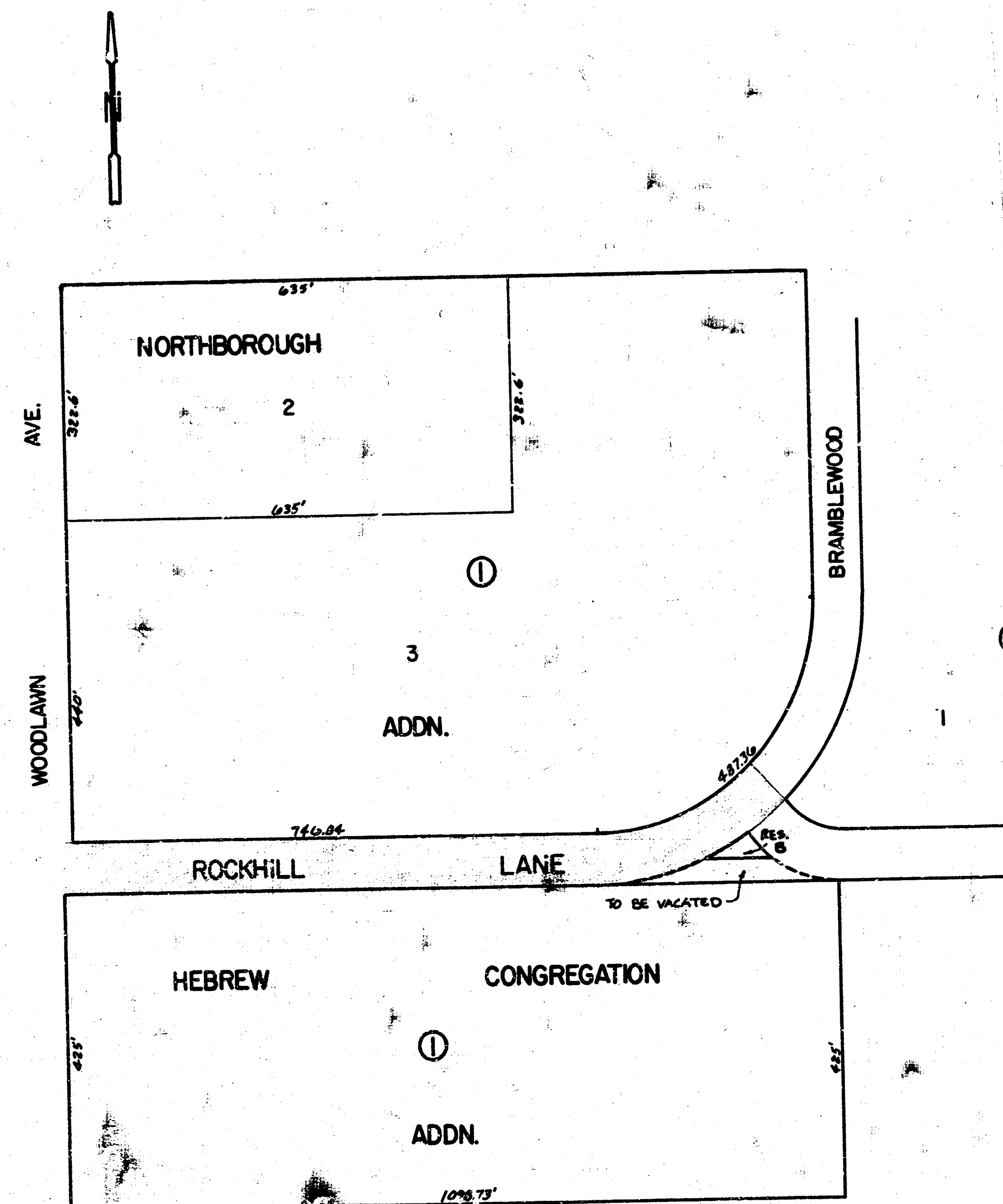


ROCKHILL LANE

E. L. WOODLAWN TO S. L. LT. 1, BLK. 3 NORTHBOROUGH ADDN.



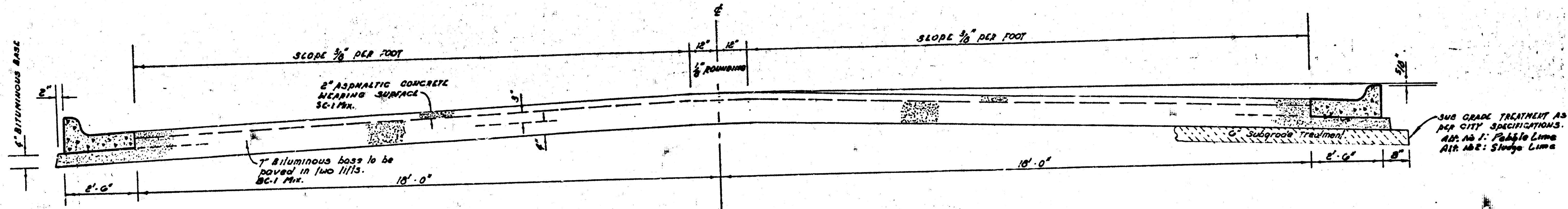
GENERAL NOTES:

- (1) NO MORE THAN 15-30 FOOT DITCHES ARE TO BE CONSTRUCTED WITHIN THIS PROJECT.
- (2) EARTHWORK TO MEET EXISTING GROUND ELEVATION AT RIGHT-OF-WAY LINE, UNLESS OTHERWISE NOTED ON THE PLAN WITH A NEW ELEVATION. IF A NEW ELEVATION IS SHOWN, THE EARTHWORK SHALL EXTEND ONE FOOT BEYOND RIGHT OF WAY LINE, THENCE UP OR DOWN ON A 1:1 SLOPE TO THE EXISTING GROUND SURFACE.
- (3) CONTRACTOR TO BID ONLY ONE SUB-GRADE TREATMENT ALTERNATE. ALTERNATE CHOSEN BY THE SUCCESSFUL BIDDER SHALL BE USED FOR CONSTRUCTION ON THIS PROJECT.



PROJECT DESCRIPTION	
PROJECT NUMBER 472 76 245 80577 000 000 001	
BOOK NO. 714 19 20	APPROVED BY
DRAWN BY H/g	REVISOR
CITY OF WICHITA DEPARTMENT OF ENGINEERING	
DIRECTOR OF ENGINEERING R. W. BRUGEMAN	SCALE 1/8"

ROCKHILL LN
E. L. WOODLAWN TO S. L. LT. 1, BLK. 3
NORTHBOROUGH ADDN.



The A.C. pavement between the curb & gutter shall be paid as 39 yds 9" A.C. pavement (1" Bituminous Base). The Bituminous Base under the curb & gutter shall be paid as 39 yds 9" Bituminous Base.

TYPICAL SECTION

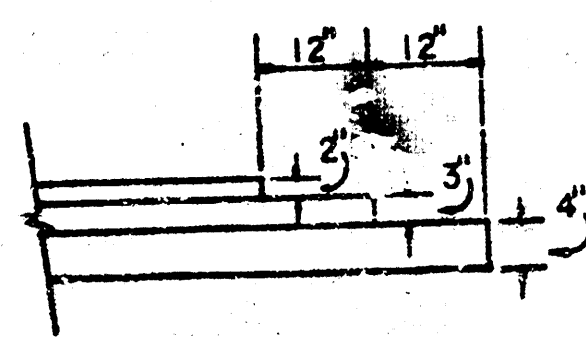
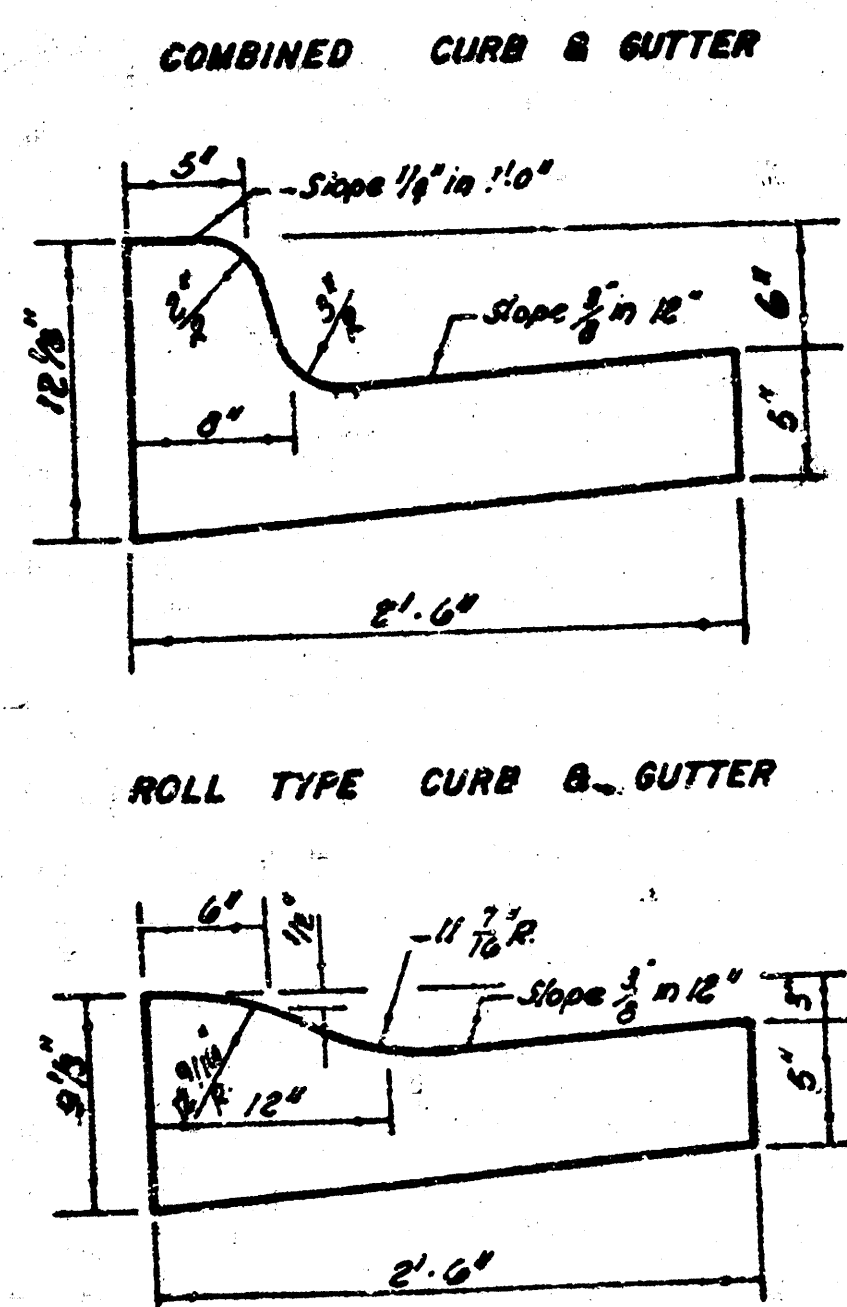
41' ASPHALTIC CONCRETE PAVEMENT WITH BITUMINOUS BASE

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.

Manipulation = 5,115.0 S.Y.



CITY OF WICHITA, KANSAS

PROJ. NO. 276245 805710900000

2/8

Surveyed by: B. J. 11/20
Plan: 11/20
CK: 11/20
Checked: 11/20

BM = 220.41 - R.R. SPIKE SE F. PP @ NW COR.
WOODLAWN & ROCKHILL.
BM = 207.35 - R.R. SPIKE W SIDE HEDGE TREE APPROX. 300'
E & 240' N OF NE COR. BRAMBLEWOOD & ROCKHILL.

2 is E Rockhill Ln.

P.V.I.
100' V.C.
ELEV. 218.36

P.V.T.

65' Continental Pipeline Co. Setback Line

Scale: 1"=20'

PI
50' V.C.
ELEV. 209.92

4+50

-1.1533%
+0.7' W.K. Gr.

WARP WALK GRADE IN 50'
+0.3' to +0.7'

-2.6049%
+0.3' W.K. Gr.

15' Continental Pipeline Co. Easement

20' Continental Pipeline Co. Restricted Easement

ROCKHILL LN.

9" Asph. Conc. Pmt.
(1" Bit. Base)

INTERSECTION QUANTITIES

- S.Y. — Concrete Pavement
- 31.1 S.Y. — Asphaltic Conc. Pavement (7" Bituminous Base)
- 2.7 S.Y. — Bituminous Base
- 18.8 L.F. Combined Curb & Gutter
- L.F. Integral Curb
- S.F. 4" Wheelchair Ramp
- S.F. 4" Walk
- C.Y. Excavation
- C.Y. Compacted Fill
- Lbs. Reinforcing Steel
- S.Y. Manipulation
- Tons Lime or Cement
- S.Y. V.G. — Concrete & — Asphaltic Concrete Base

EARTHWORK

PROP	CITY
EXCAVATION	EXCAVATION
1,982.6	140.7
173.3	14.1
2,155.9	154.8

X - SECTION
1.0%
TOTAL

PI
50' V.C.
ELEV. 209.92

+0.7' W.K. Gr.
-1.1533%

WARP WALK GRADE IN 50'
+0.3' to +0.7'

+0.3' W.K. Gr.
-2.6049%

P.V.I.
100' V.C.
ELEV. 218.36

P.V.T.

(1+37)
N.P.

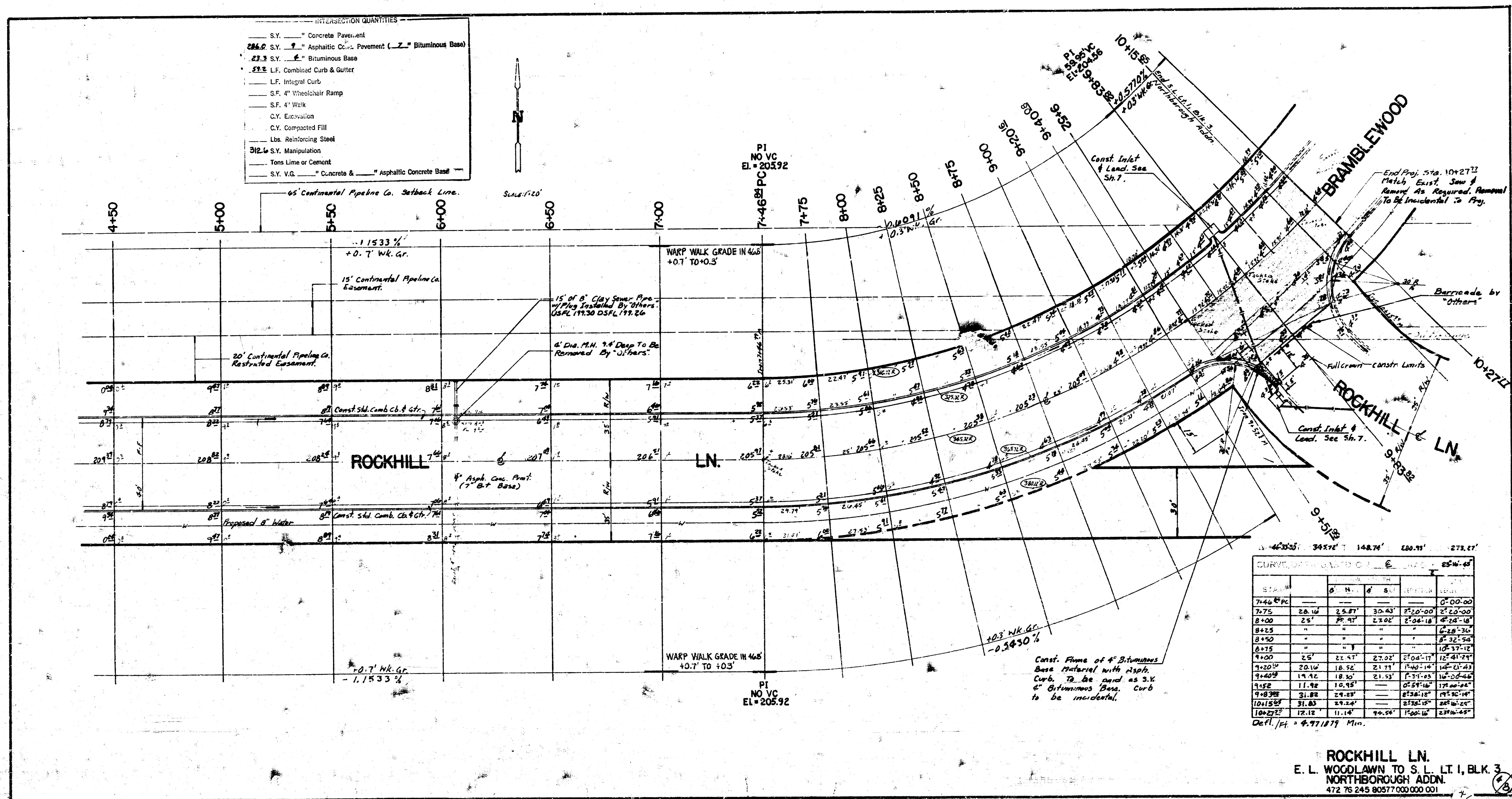
CAUTION
UNDERGROUND
UTILITIES

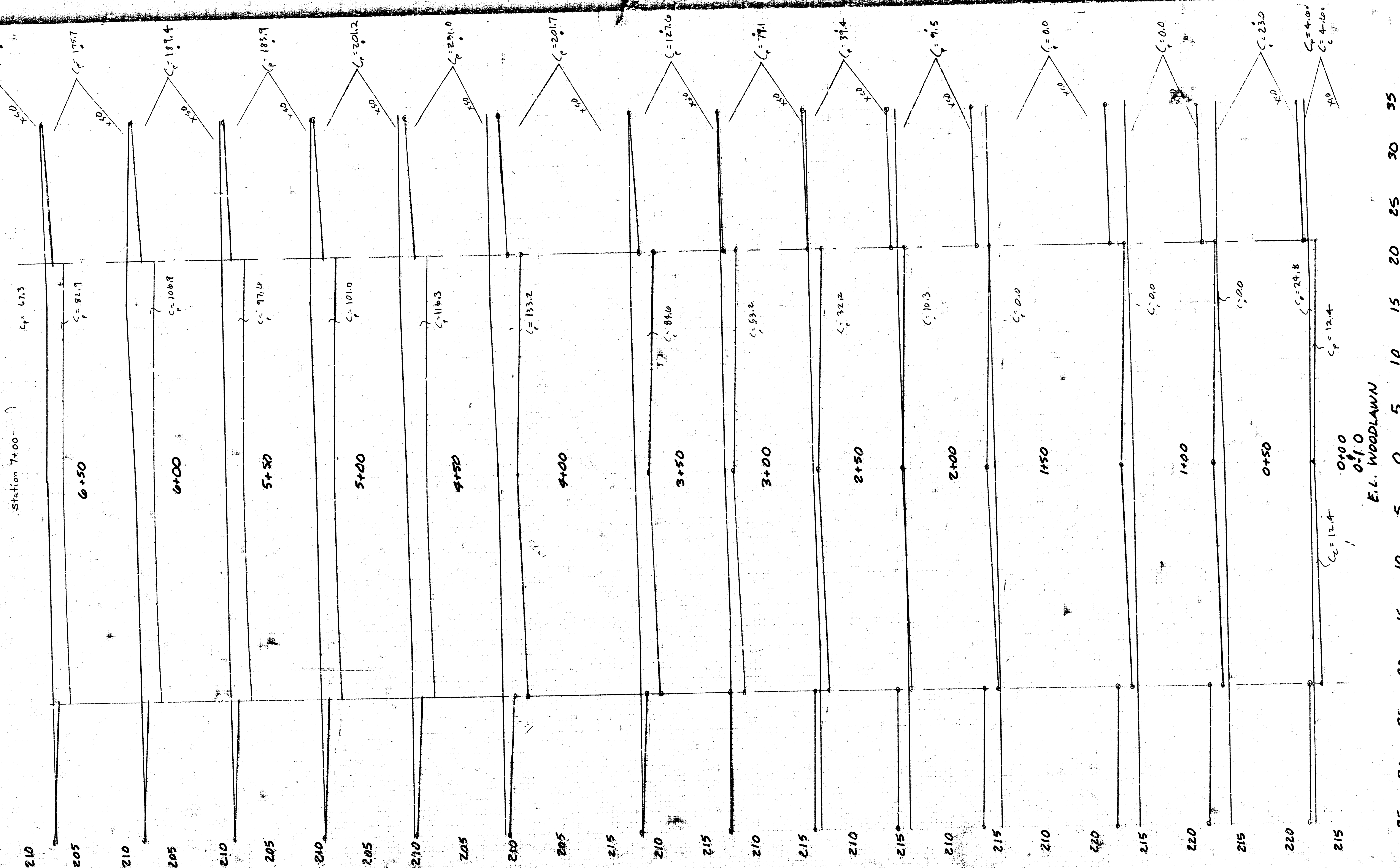
Please check with R.R. & E. or
Sawmills & Lumber
Telephone Co. for Location

ROCKHILL LN.
E.L. WOODLAWN TO S.L. LT. 1, BLK 3
NORTHBOROUGH ADDN.
472 76 245 80577 000 000 001

3/8

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

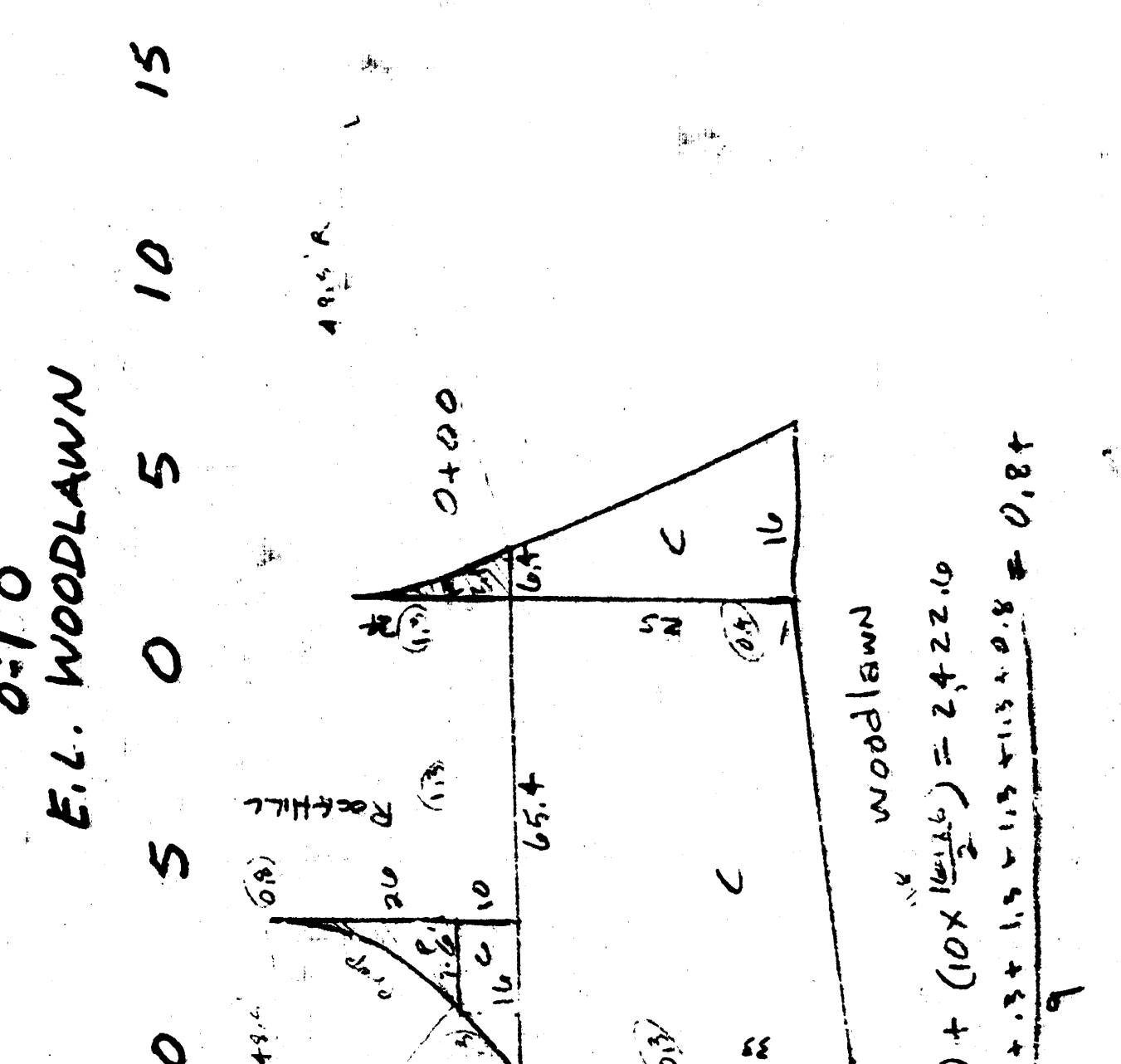




$$P_{PROP} = (5 \times 76 \times 2.0) + (5 \times 2 \times 10.0) = 176.0$$

$$D = \frac{176.0 \times 2.0}{3} = 117.33$$

$$Vol P = \frac{176.0 \times 1.1}{27} = 7.2 \text{ CY}$$



$$A = (5 \times 16 \times 16) + (6.5 \times 16 \times 16) + (10 \times 16 \times 16) = 2422.6$$

$$AVG D = \frac{4.0 + 1.0 + 1.0 + 1.0 + 1.0 + 1.0 + 1.0 + 1.0 + 1.0 + 1.0}{10} = 1.0$$

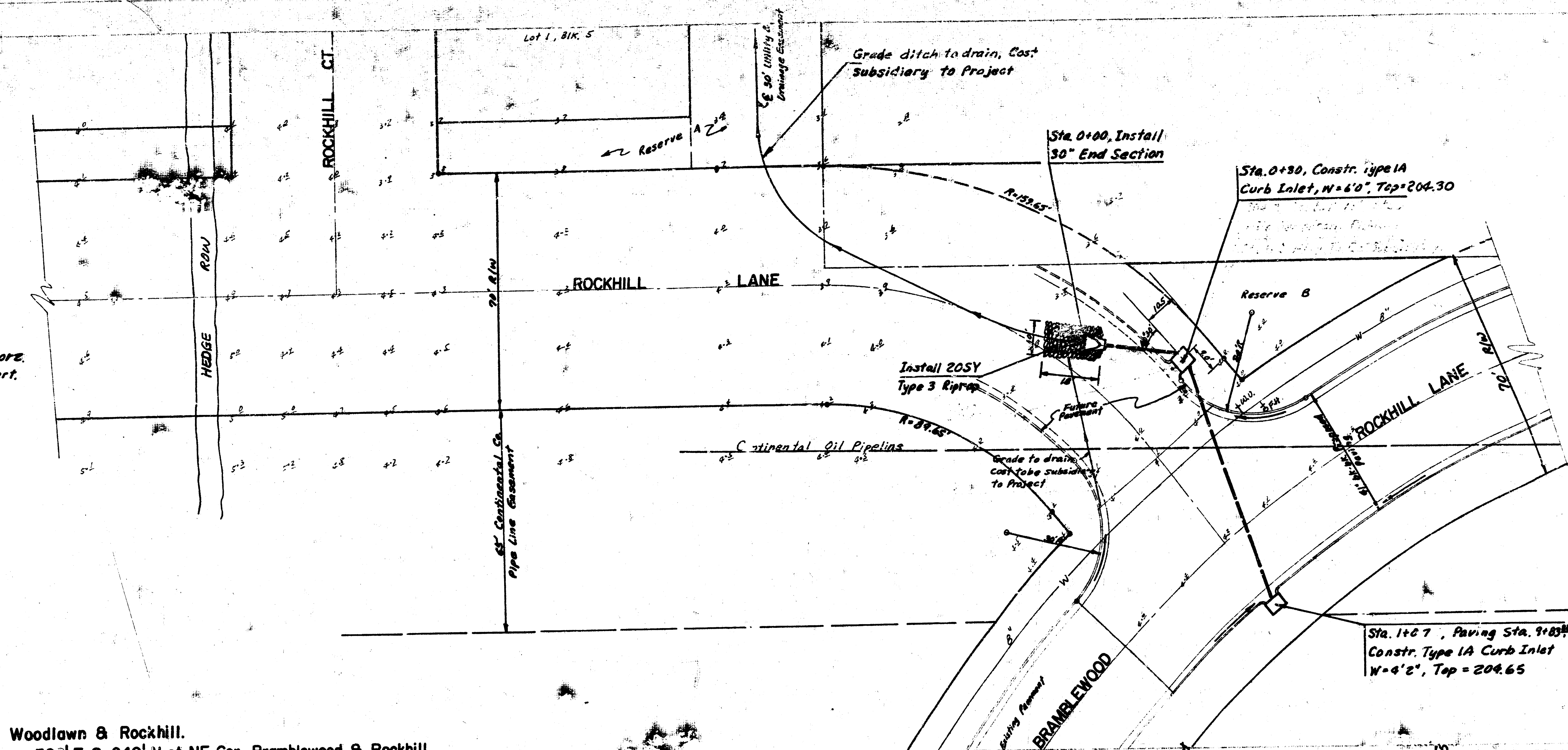
SHEET TOTALS:
 PROPERTY EXCAVATION = 1487.4 CY
 CITY EXCAVATION = 800.0 CY

ROCKHILL LN.
 E. L. WOODLAWN TO S. L. LT. 1, BLK. 3
 NORTHBOROUGH ADDN.
 472 76 245 80577 000000001

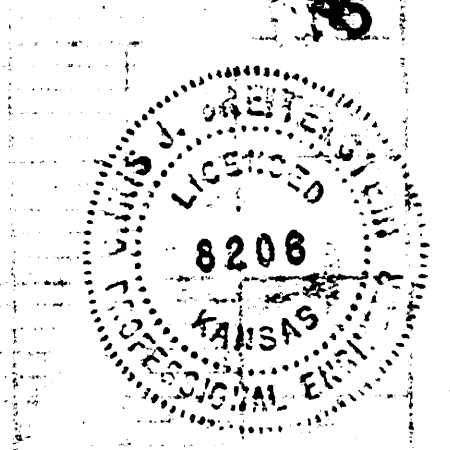
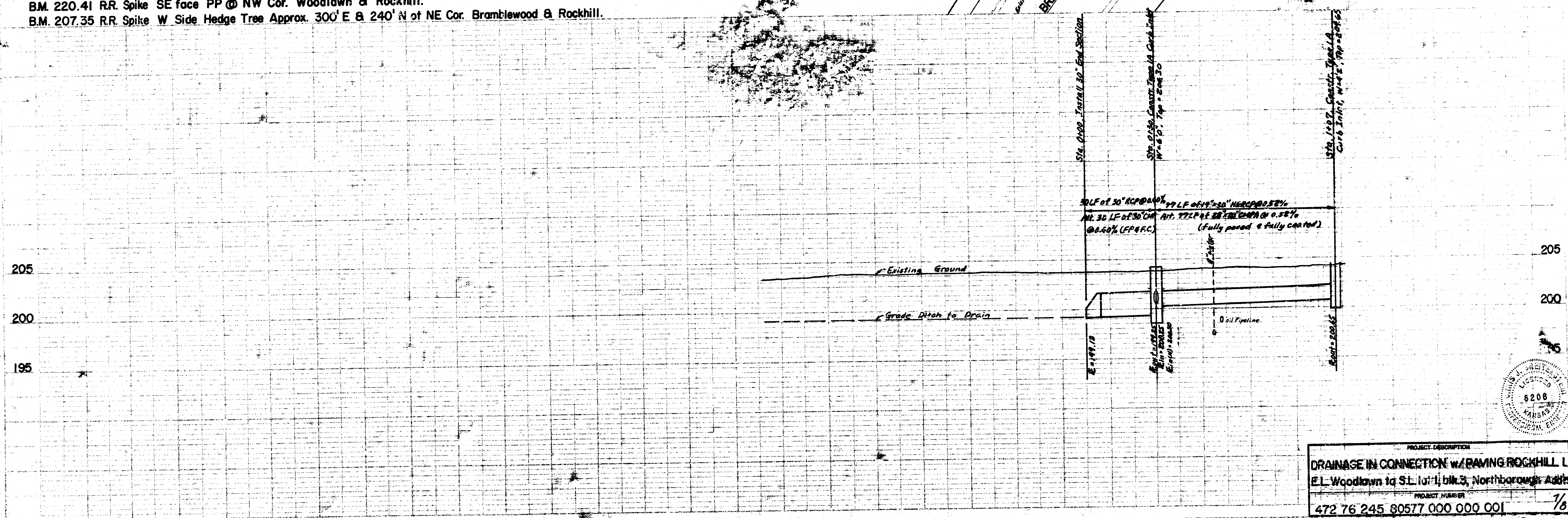
REVISED 11-05-82

5/8

Scale: Plan 1"=20'
 Profile 1"=20' Horiz.
 1"=5' Vert.



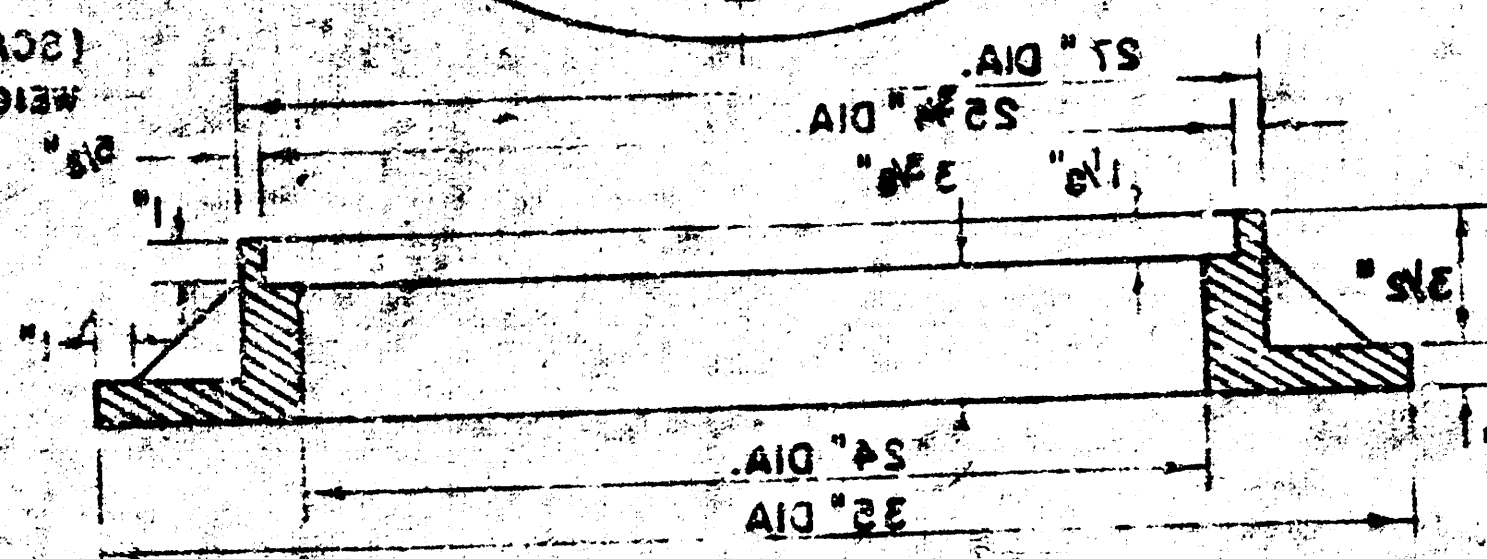
BM. 220.41 R.R. Spike SE face PP @ NW Cor. Woodlawn & Rockhill.
 B.M. 207.35 R.R. Spike W Side Hedge Tree Approx. 300' E & 240' N of NE Cor. Bramblewood & Rockhill.



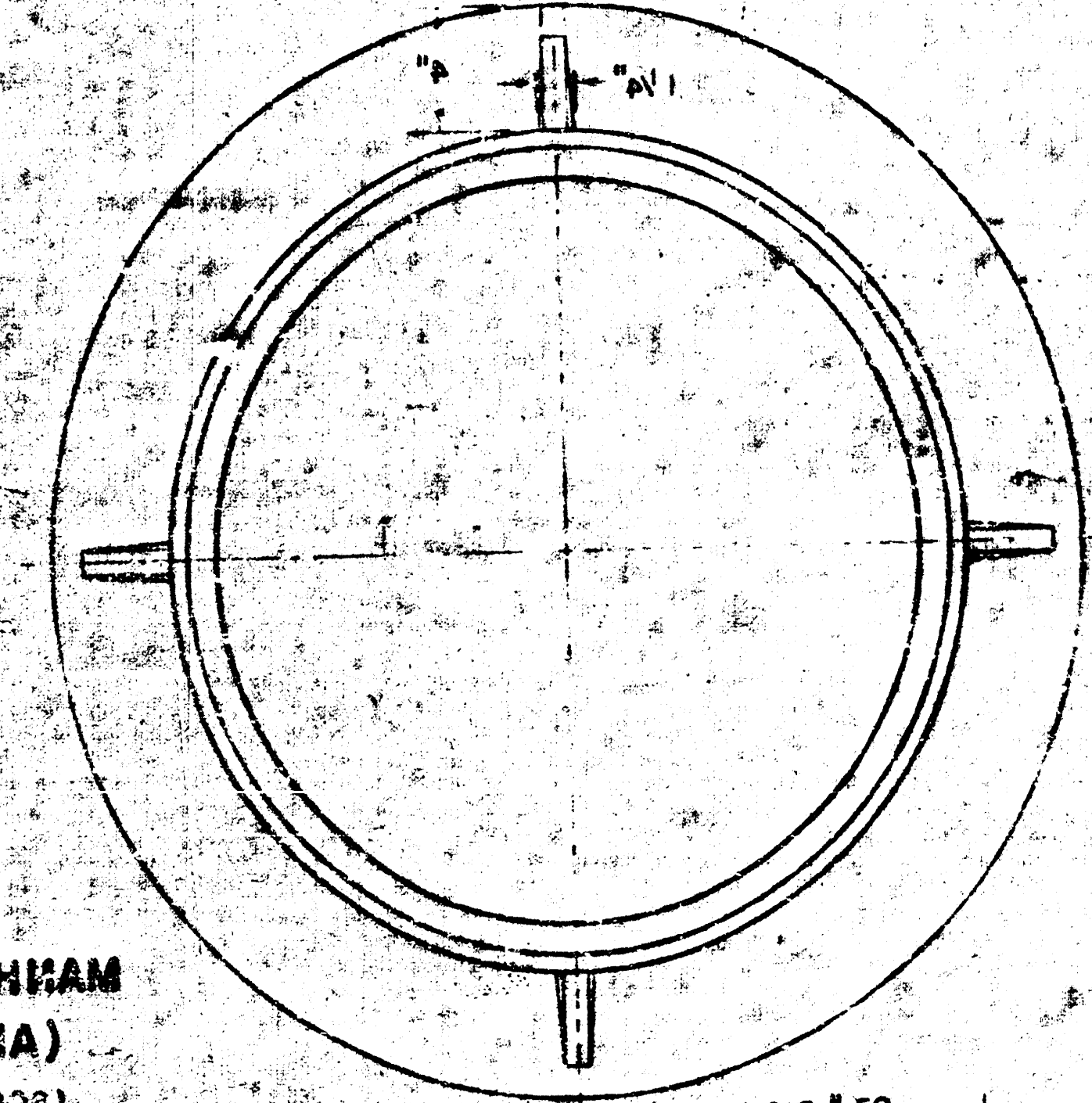
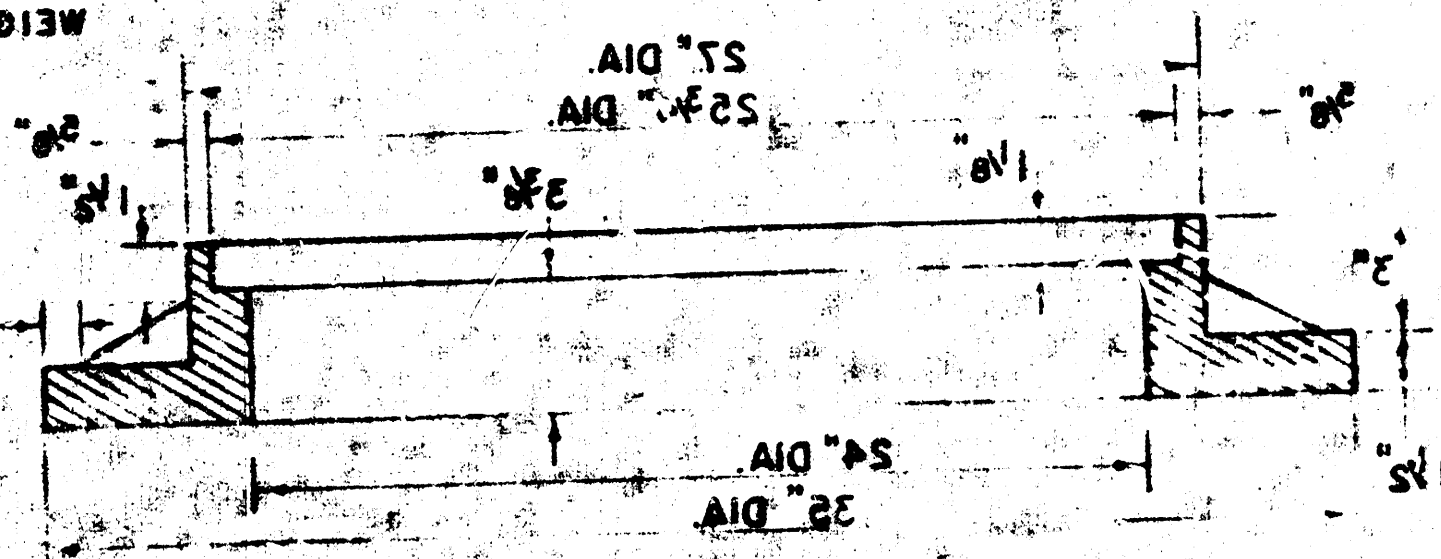
PROJECT DESCRIPTION
 DRAINAGE IN CONNECTION w/ PAVING ROCKHILL LN.
 E.L. Woodlawn to St. 101, blk. 3, Northborough Addn.
 PROJECT NUMBER
 472 76 245 80577 000 000 001
 1/8

JUNE, 1981
CITY ENGINEER
R.W. BRUGEMAN, DIRECTOR OF ENGINEERING
CITY OF WICHITA, KANSAS
DETAIL STANDARD TYPE 4 CURB INLET

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

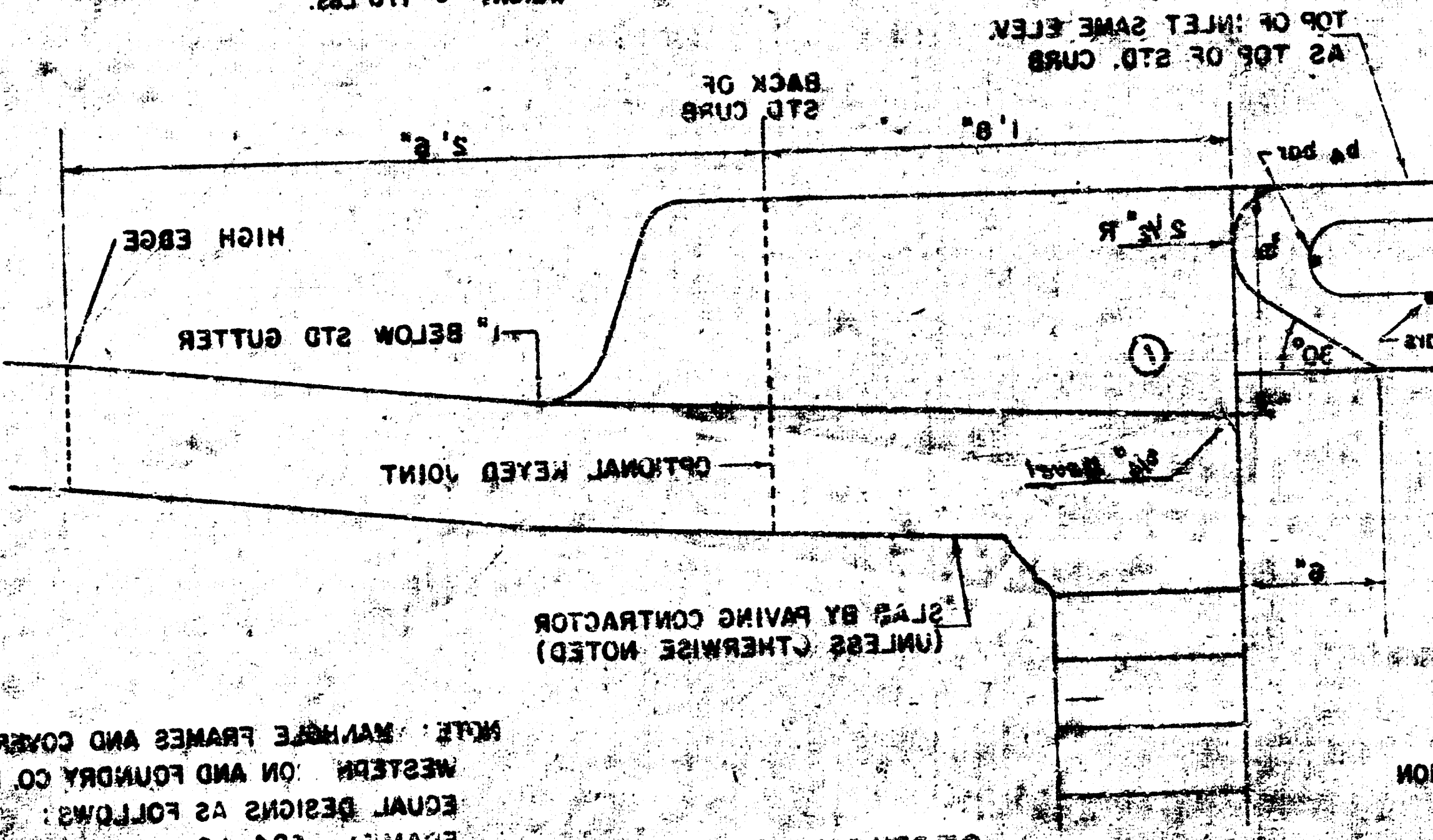


MANHOLE FRAME
(SCALE 1" = 6")
WEIGHT = 180 LBS

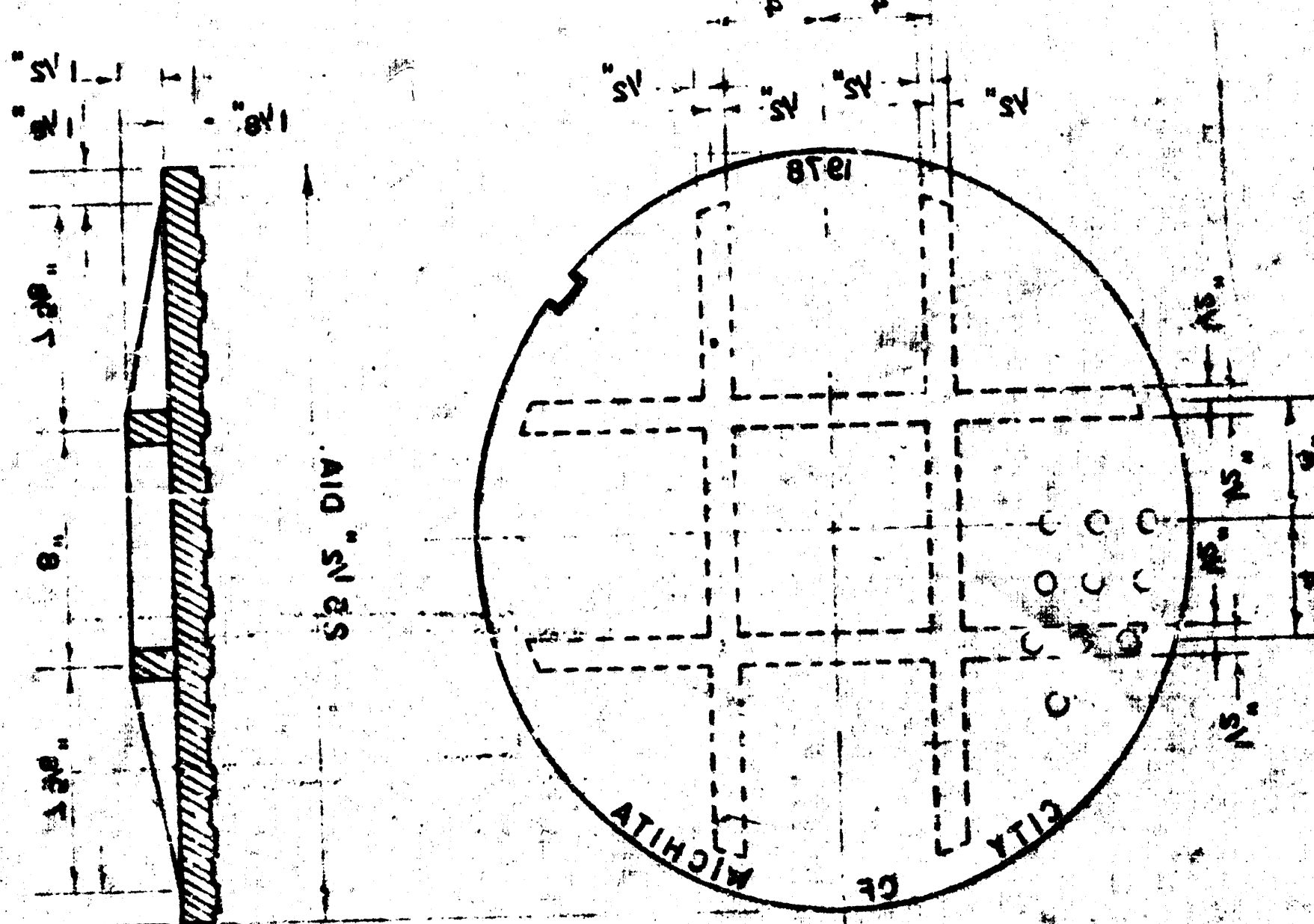


COVER: 525 34" HOBBS
FRAME (ALTERNATE): 200 44"
FRAME: 254 46"
EQUAL DESIGN AS FOLLOWS:
WESTERN ON AND FOUNDRY CO. INC. OR
NOTE: MANHOLE FRAMES AND COVER ARE

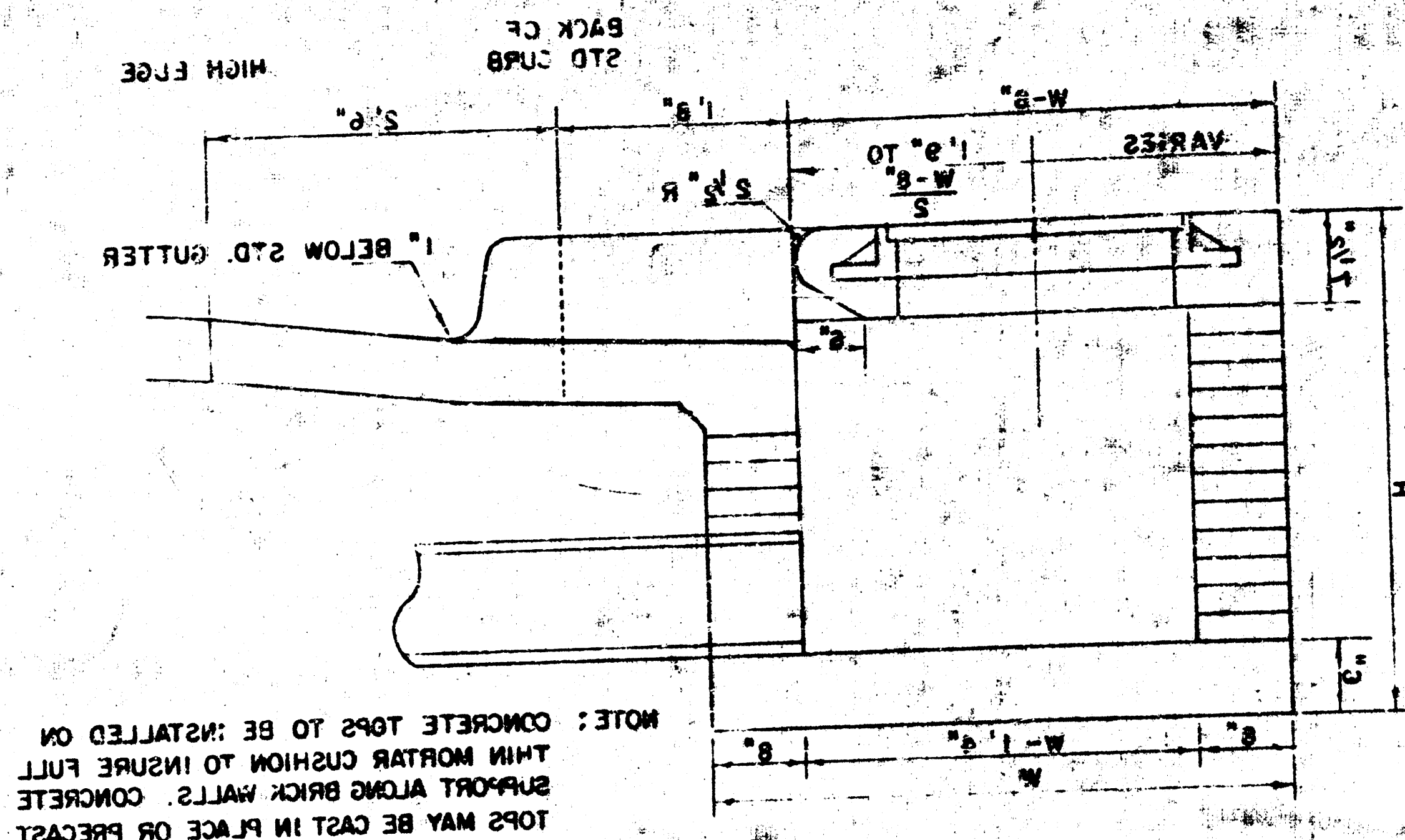
SECTION B-B
(SCALE 1" = 6")



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



SECTION A-A
(SCALE 1" = 10")



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 STANDARD PAVING MIX.

NOTE: BRICK FOR INLET CONSTRUCTION
SHALL CONFORM WITH THE LATEST
REVISION OF THE AMERICAN SOCIETY
FOR TESTING AND MATERIALS DESIGNATION
C-25 FOR MANHOLE BRICK GRADE MS

SECTION C-C
(SCALE 1" = 10")



NOTE: 1" TO BE PLACED APPROX. 5" BELOW TOP OF INLET COVER

BAR	1"	2"	3"	4"	5"	6"	7"	8"	9"	10"	11"	12"	13"	14"	15"	16"	17"	18"	19"	20"	21"	22"	23"	24"	25"	26"	27"	28"	29"	30"	31"	32"	33"	34"	35"	36"	37"	38"	39"	40"	41"	42"	43"	44"	45"	46"	47"	48"	49"	50"	51"	52"	53"	54"	55"	56"	57"	58"	59"	60"	61"	62"	63"	64"	65"	66"	67"	68"	69"	70"	71"	72"	73"	74"	75"	76"	77"	78"	79"	80"	81"	82"	83"	84"	85"	86"	87"	88"	89"	90"	91"	92"	93"	94"	95"	96"	97"	98"	99"	100"
NUMBER	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100

STEEL SCHEDULE

BENDING DIAGRAM

STANDARD CURB INLET PRECAST TOPS

W	PRECAST TOP SIZE	PIPE SIZE	CU. YD. CONC.
4.0	4.0' x 4.0' x 1.5'	18"	0.48
5.0	5.0' x 5.0' x 1.5'	24"	0.71
6.0	6.0' x 6.0' x 1.5'	30"	0.84
7.0	7.0' x 7.0' x 1.5'	36"	0.97
8.0	8.0' x 8.0' x 1.5'	42"	1.10
9.0	9.0' x 9.0' x 1.5'	48"	1.23
10.0	10.0' x 10.0' x 1.5'	54"	1.36
11.0	11.0' x 11.0' x 1.5'	60"	1.49
12.0	12.0' x 12.0' x 1.5'	66"	1.62
13.0	13.0' x 13.0' x 1.5'	72"	1.75
14.0	14.0' x 14.0' x 1.5'	78"	1.88
15.0	15.0' x 15.0' x 1.5'	84"	2.01
16.0	16.0' x 16.0' x 1.5'	90"	2.14
17.0	17.0' x 17.0' x 1.5'	96"	2.27
18.0	18.0' x 18.0' x 1.5'	102"	2.40
19.0	19.0' x 19.0' x 1.5'	108"	2.53
20.0	20.0' x 20.0' x 1.5'	114"	2.66
21.0	21.0' x 21.0' x 1.5'	120"	2.79
22.0	22.0' x 22.0' x 1.5'	126"	2.92
23.0	23.0' x 23.0' x 1.5'	132"	3.05
24.0	24.0' x 24.0' x 1.5'	138"	3.18
25.0	25.0' x 25.0' x 1.5'	144"	3.31
26.0	26.0' x 26.0' x 1.5'	150"	3.44
27.0	27.0' x 27.0' x 1.5'	156"	3.57
28.0	28.0' x 28.0' x 1.5'	162"	3.70
29.0	29.0' x 29.0' x 1.5'	168"	3.83
30.0	30.0' x 30.0' x 1.5'	174"	3.96
31.0	31.0' x 31.0' x 1.5'	180"	4.09
32.0	32.0' x 32.0' x 1.5'	186"	4.22
33.0	33.0' x 33.0' x 1.5'	192"	4.35
34.0	34.0' x 34.0' x 1.5'	198"	4.48
35.0	35.0' x 35.0' x 1.5'	204"	4.61
36.0	36.0' x 36.0' x 1.5'	210"	4.74
37.0	37.0' x 37.0' x 1.5'	216"	4.87
38.0	38.0' x 38.0' x 1.5'	222"	5.00
39.0	39.0' x 39.0' x 1.5'	228"	5.13
40.0	40.0' x 40.0' x 1.5'	234"	5.26
41.0	41.0' x 41.0' x 1.5'	240"	5.39
42.0	42.0' x 42.0' x 1.5'	246"	5.52
43.0	43.0' x 43.0' x 1.5'	252"	5.65
44.0	44.0' x 44.0' x 1.5'	258"	5.78
45.0	45.0' x 45.0' x 1.5'	264"	5.91
46.0	46.0' x 46.0' x 1.5'	270"	6.04
47.0	47.0' x 47.0' x 1.5'	276"	6.17
48.0	48.0' x 48.0' x 1.5'	282"	6.30
49.0	49.0' x 49.0' x 1.5'	288"	6.43
50.0	50.0' x 50.0' x 1.5'	294"	6.56
51.0	51.0' x 51.0' x 1.5'	300"	6.69
52.0	52.0' x 52.0' x 1.5'	306"	6.82
53.0	53.0' x 53.0' x 1.5'	312"	6.95
54.0	54.0' x 54.0' x 1.5'	318"	7.08
55.0	55.0' x 55.0' x 1.5'	324"	7.21
56.0	56.0' x 56.0' x 1.5'	330"	7.34
57.0	57.0' x 57.0' x 1.5'	336"	7.47
58.0	58.0' x 58.0' x 1.5'	342"	7.60
59.0	59.0' x 59.0' x 1.5'	348"	7.73
60.0	60.0' x 60.0' x 1.5'	354"	7.86
61.0	61.0' x 61.0' x 1.5'	360"	7.99
62.0	62.0' x 62.0' x 1.5'	366"	8.12
63.0	63.0' x 63.0' x 1.5'	372"	8.25
64.0	64.0' x 64.0' x 1.5'	378"	8.38
65.0	65.0' x 65.0' x 1.5'	384"	8.51
66.0	66.0' x 66.0' x 1.5'	390"	8.64
67.0	67.0' x 67.0' x 1.5'	396"	8.77
68.0	68.0' x 68.0' x 1.5'	402"	8.90
69.0	69.0' x 69.0' x 1.5'	408"	9.03
70.0	70.0' x 70.0' x 1.5'	414"	9.16
71.0	71.0' x 71.0' x 1.5'	420"	9.29
72.0	72.0' x 72.0' x 1.5'	426"	9.42
73.0	73.0' x 73.0' x 1.5'	432"	9.55
74.0	74.0' x 74.0' x 1.5'	438"	9.68
75.0	75.0' x 75.0' x 1.5'	444"	9.81
76.0	76.0' x 76.0' x 1.5'	450"	9.94
77.0	77.0' x 77.0' x 1.5'	456"	10.07
78.0	78.0' x 78.0' x 1.5'	462"	10.20
79.0	79.0' x 79.0' x 1.5'	468"	10.33
80.0	80.0' x 80.0' x 1.5'	474"	10.46
81.0	81.0' x 81.0' x 1.5'	480"	10.59
82.0	82.0' x 82.0' x 1.5'	486"	10.72
83.0	83.0' x 83.0' x 1.5'	492"	10.85
84.0	84.0' x 84.0' x 1.5'	498"	10.98
85.0	85.0' x 85.0' x 1.5'	504"	11.11
86.0	86.0' x 86.0' x 1.5'	510"	11.24
87.0	87.0' x 87.0' x 1.5'	516"	11.37
88.0	88.0' x 88.0' x 1.5'	522"	11.50
89.0	89.0' x 89.0' x 1.5'	528"	11.63
90.0	90.0' x 90.0' x 1.5'	534"	11.76
91.0	91.0' x 91.0' x 1.5'	540"	11.89
92.0	92.0' x 92.0' x 1.5'	546"	12.02
93.0	93.0' x 93.0' x 1.5'	552"	12.15
94.0	94.0' x 94.0' x 1.5'	558"	12.28
95.0	95.0' x 95.0' x 1.5'	564"	12.41
96.0	96.0' x 96.0' x 1.5'	570"	12.54
97.0	97.0' x 97.0' x 1.5'	576"	12.67
98.0	98.0' x 98.0' x 1.5'	582"	12.80
99.0	99.0' x 99.0' x 1.5'	588"	12.93
100.0	100.0' x 100.0' x 1.5'	594"	13.06