STORM WATER DRAIN NO. 38

GENERAL NOTES

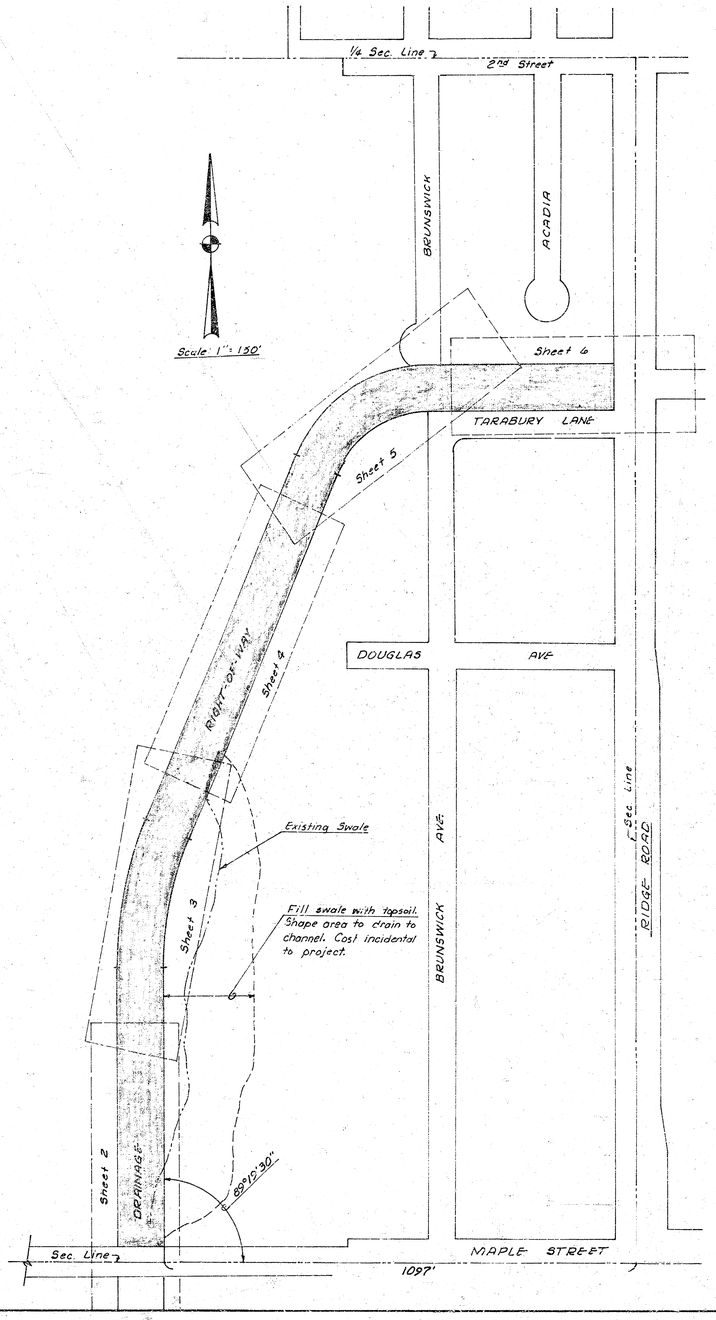
1. FIELD ENGINEER SHALL TAKE TIES TO ALL IRONS AND THIMBLES WHICH MAY BE DESTORYED. FIELD ENGINEER SHALL REPLACE ALL IRONS AND THIMBLES WHICH ARE DESTROYED.

2. THE TYPE 4 RIP-RAP SHALL BE 18" RIP-RAP ON 6" SAND AND GRAVEL BEDDING. THE ROCK FOR RIP-RAP AND GRAVEL PROTECTION SHALL BE HARD, DENSE, DURABLE AND SHALL BE REASONABLY WELL GRADED. THE SIZE RANGE OF ROCK USED SHALL HAVE A MAXIMUM SIZE OF 1/8 CUBIC YARD AND A MINIMUM SIZE OF 1/10 CUBIC FOOT. THE 6 INCH SAND AND GRAVEL BEDDING FOR RIP-RAP SHOULD BE A CONTINUOUS LAYER OF SAND AND GRAVEL OR SAND CRUSHED ROCK, REASONABLY WELL GRADED TO A MAXIMUM OF 1½ INCHES IN SIZE.

3. "CLEARING RIGHT-OF-WAY" SHALL INCLUDE THE REMOVAL OF TREES AND SAPLINGS AS SHOWN ON THE CONSTRUCTION DRAWINGS AND ANY OTHER INCIDENTAL ITEMS WITHIN THE RIGHT-OF-WAY AS DIRECTED BY THE FIELD ENGINEER.

4. THE DRAINAGE RIGHT-OF-WAY AND THOSE AREAS DISTURBED ON MAPLE STREET RIGHT-OF-WAY AND DOWNSTREAM CHANNEL AREA SOUTH OF MAPLE STREET SHALL BE SEEDED IN ACCORDANCE WITH THE SPECIFICATIONS.

5. DISPOSAL OF CHANNEL EXCAVATED MATERIAL SHALL BE PERFORMED WITH CARE AS FOLLOWS: THE TOP 12" OF THE SOIL WITH VEGETATION COVER SHALL BE FIRST REMOVED AND STOCKPILED ON SITE. THE PROPERTY TO THE EAST AS SHOWN ON SHEET 1 SHALL BE FILLED AND SHAPED WITH TOPSOIL IN SUCH MANNER THAT THIS PROPERTY DRAINS INTO THE CHANNEL. THE REMAINING CHANNEL EXCAVATION SHALL BE DISPOSED OF BY THE CONTRACTOR. THE FIRST 12" OF THE TOPSOIL THAT WAS STOCKPILED ON SITE WILL THEN BE GRADED OVER THE CHANNEL AS DIRECTED BY THE SITE ENGINEER.



CITY OF WICHITA, KANSAS

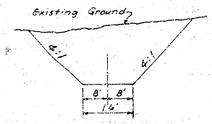
R. W. LINN, CITY ENGINEER

PROJECT NO. 468-76-245-80585-000-000-001

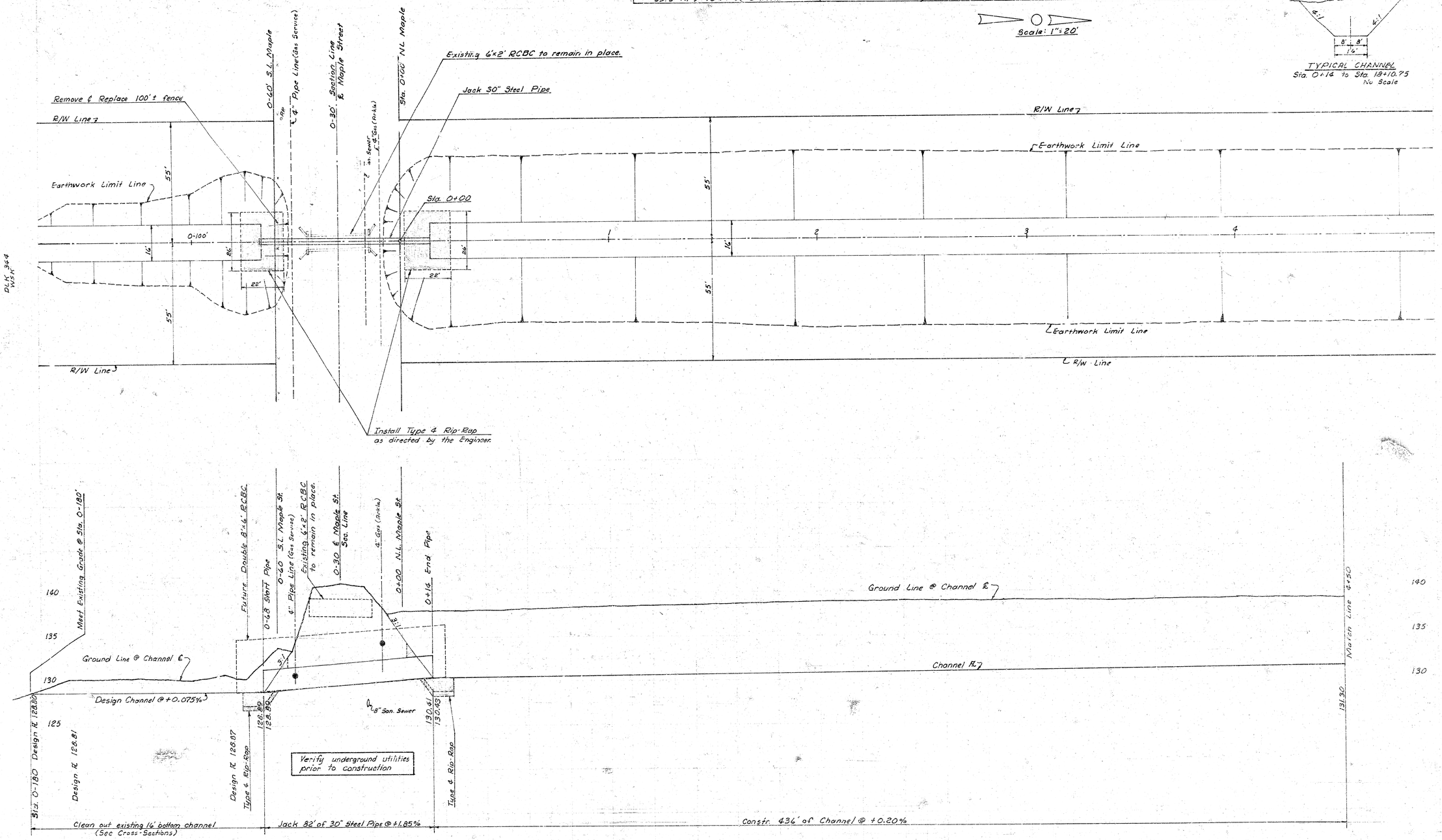
DATE_____

B.M. 144.96 City Std. 2nd & Ridge Rd. 39.5' N. & 48' W. of ℄ both.	B.M. 145.14 "D" top S-cb Tarabury Lane, 25' E. of E.L. Ridge	B.M. 141.15 "D" N.E. Cor. Headwall RCB, S. side Maple, 1152' W. of ℄ Ridge Rd.

Scale: 1" = 20'



TYPICAL CHANNEL
Sta. 0+14 to Sta. 18+10.75
No Scale



Scale: 1"=20'

R/W Line ℄

Earthwork Limit Line ℄

℄ R/W Line

℄ Earthwork Limit Line

R/W Line ℄

Earthwork Limit Line ℄

R/W Line ℄

P.C. 5+14.48

P.T. 5+30.79

5'

16'

55'

5

6

7

8

9

10

11

DLK 344
WSK

Rt. R/W Curve
R = 708.94'
Δ = 23°42'41"
L = 293.39'
T = 148.82'
C = 291.30'

℄ Curve
R = 763.94
Δ = 23° 42' 41"
L = 316.15'
T = 160.37'
C = 313.90'

Lt. R/W Curve
R = 818.94'
Δ = 23°42'41"
L = 338.91'
T = 171.92'
C = 336.50'

140
135
130

Sta. 4+50 Match Line

Ground Line @ Channel ℄

Channel ℄

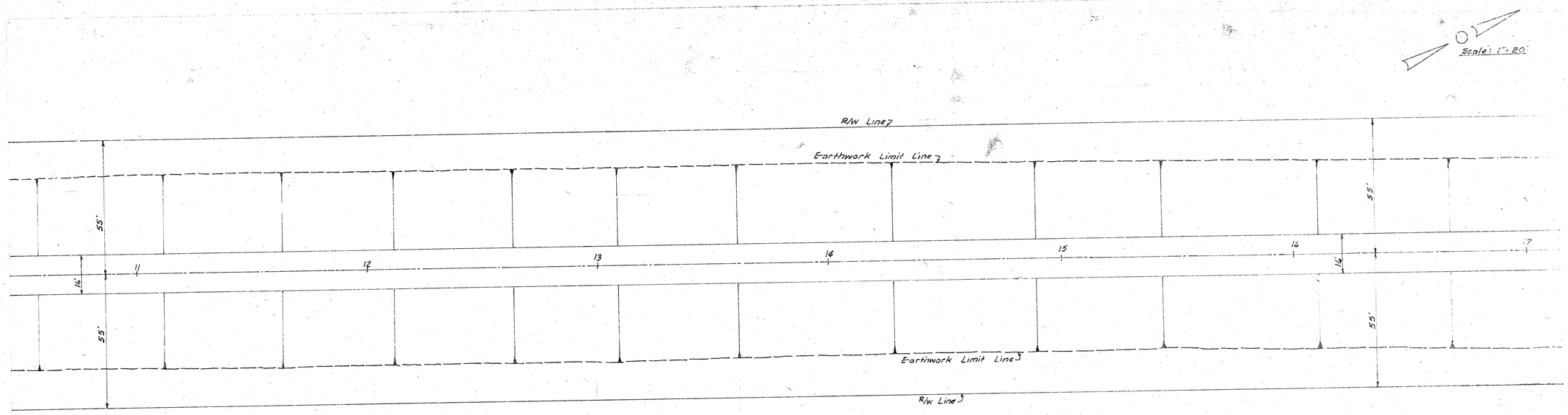
Sta. 10+70 Match Line

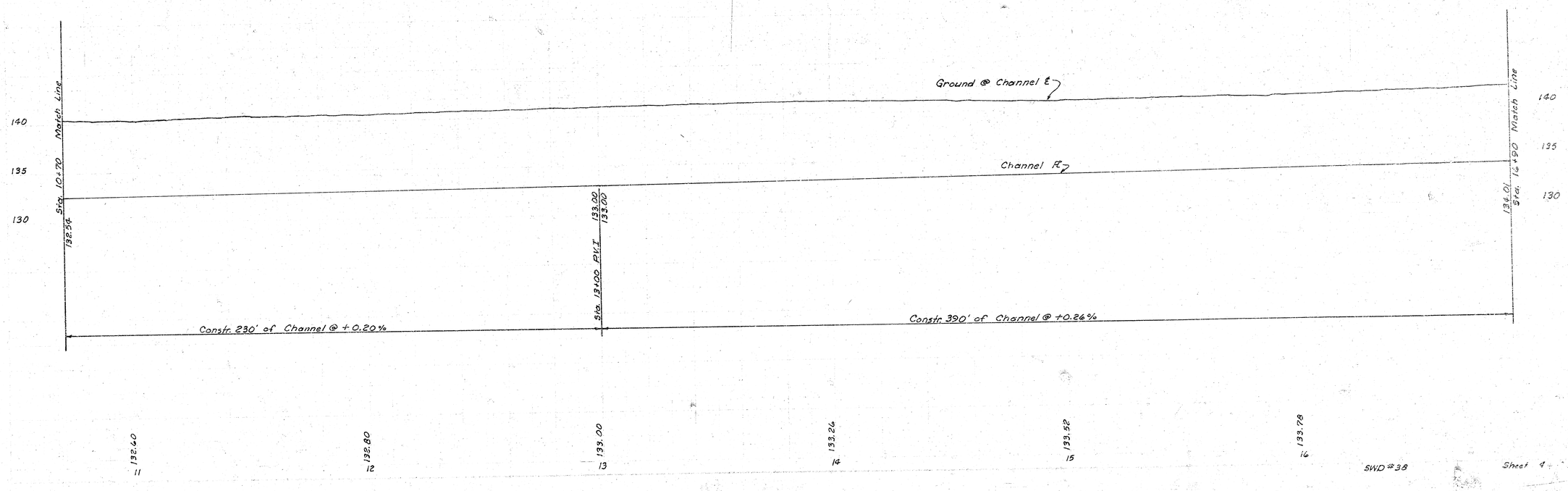
131.30

132.94

Constr. 620' of Channel @ +0.20%

131.40 (5) 131.60 (6) 131.80 (7) 132.00 (8) 132.20 (9) 132.40 (10)


Scale: 1"=20'
R/W Line
Earthwork Limit Line
Earthwork Limit Line
R/W Line
55'
55'
55'
16'
11
12
13
14
15
16
16
17
DLK 3rd
W.S.K.


Ground @ Channel ℄
Channel ℄
Sta. 10+70 Match Line
Sta. 16+90 Match Line
132.54
134.01
140
135
130
Sta. 13+00 P.V.I.
133.00
133.00
Constr. 230' of Channel @ +0.20%
Constr. 390' of Channel @ +0.26%
132.60
132.80
133.00
133.26
133.52
133.78
11
12
13
14
15
16

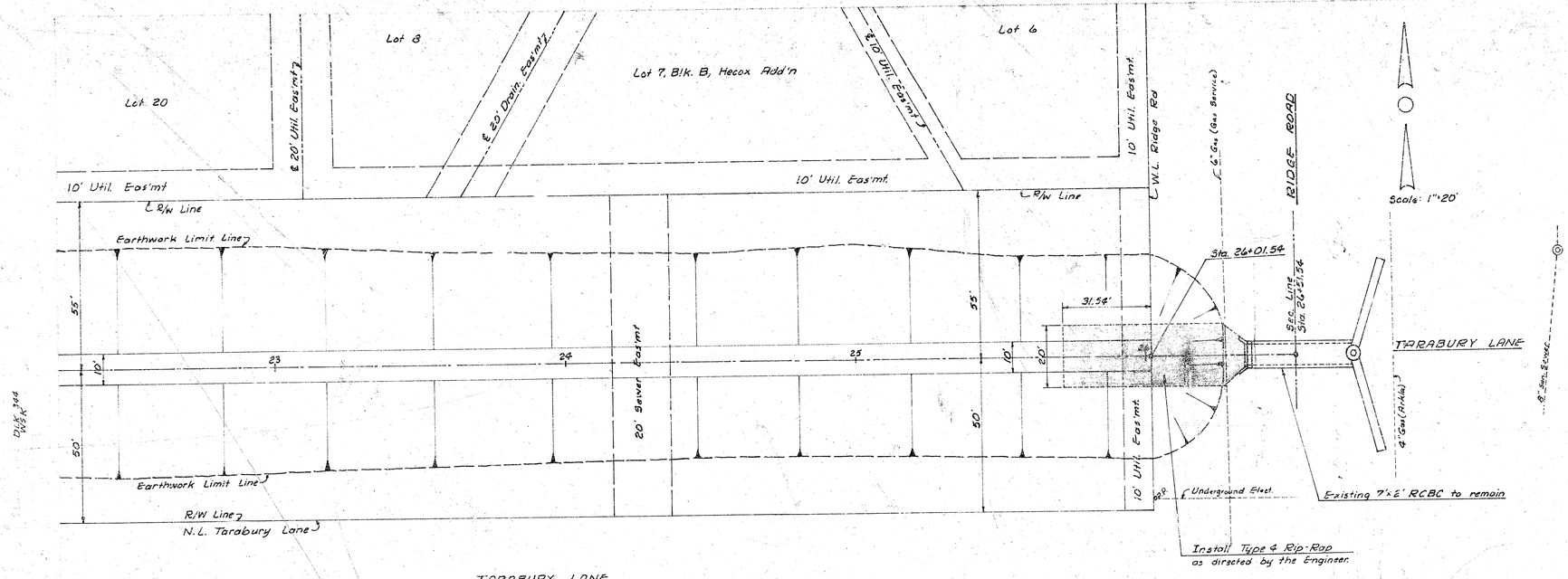
Curve 1	Curve 2	Curve 3
R=341.48'	R=284.48'	R=231.46'
Δ=38°52'34"	Δ=25°15'58"	Δ=11°58'21"
L=195.94	L=124.33'	L=48.37'
T=100.75	T=64.21'	T=24.27'
C=193.26'	C=125.31	C=48.28'

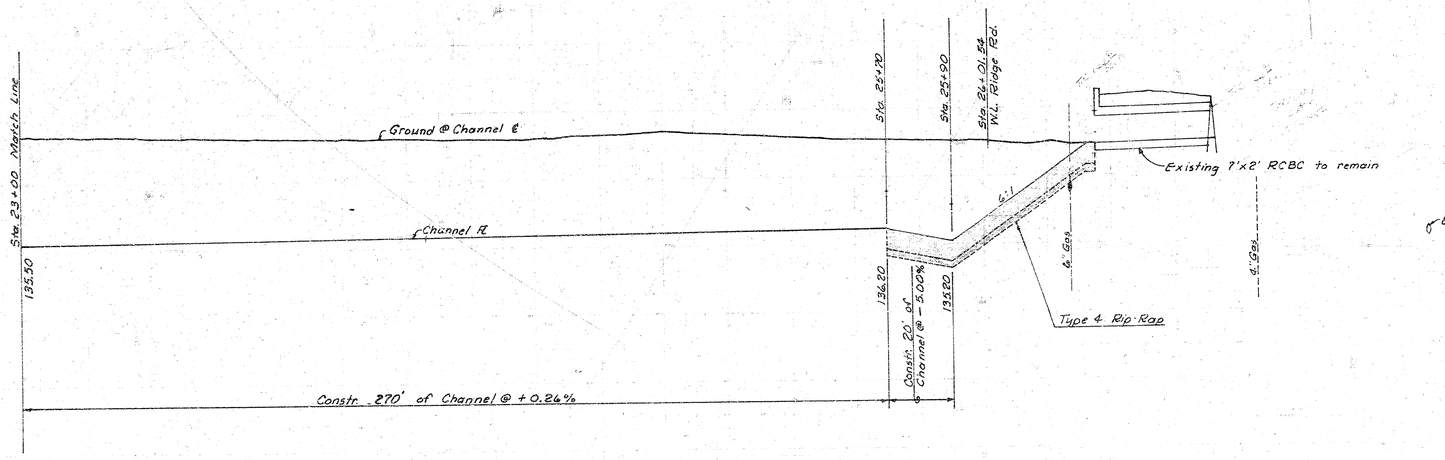
Curve 4	Curve 5	Curve 6	Curve 2+5
R=341.48'	R=284.48'	R=234.48'	R=284.48'
Δ=32°44'15"	Δ=40°20'51"	Δ=21°59'20"	Δ=65°36'49"
L=195.11'	L=201.74'	L=214.58'	L=328.07'
T=100.30'	T=105.26'	T=115.31'	T=184.47'
C=192.47'	C=197.60	C=207.29'	C=310.43

Lot 8, Blk. A, Hecox Add'n
10' Util. Eas'mt
BRUNSWICK AVE.
Lot 19
Existing Ground
4:1
6:1
5'
5'
10'
TYPICAL CHANNEL
Sta. 18+50 to Sta. 26+01.54
No Scale
Sta. 19+37.08 Back
Sta. 19+75.13 Ahead
68.91
R/w Line 7
Earthwork Limit Line 7
Taper Channel bottom from 16' to 10'
10' Util. Eas'mt
72.71'
8" Water
Scale: 1"=20'
Lot 20, Blk. B, Hecox Add'n
PT 21+76.87
18' Util. Eas'mt
Lot 1, Blk. D, Hecox Add'n
Earthwork Limit Line 7
R/w Line 3
Lot 8
20' Drainage Eas'mt
Lot 7
Lot 2
W.L. Hecox Add'n 2
Lot 3
Earthwork Limit Line
R/w Line
208'
20' Sewer Eas'mt
W.L. Brunswick
N.L. Taraburg Lane
R/w Line
Earthwork Limit Line

Sta. 16+90 Match Line
134.01
Ground @ Channel ℄
Channel ℄
Constr. 247.08' of Channel @ +0.26%
134.66
Identical Point
Ground @ Channel ℄
8" D.C. Water
Channel ℄
135.50
Sta. 23+00 Match Line
Constr. 324.87' of Channel @ +0.26%

140	135	130	134.04	134.30	134.56	134.72	134.98	135.24	135.50	145	140	135
			17	18	19	20	21	22	23			





SWD#38 Sheet 13 of 13

14 3 1 18