STORM WATER DRAIN NO. 38

GENERAL NOTES

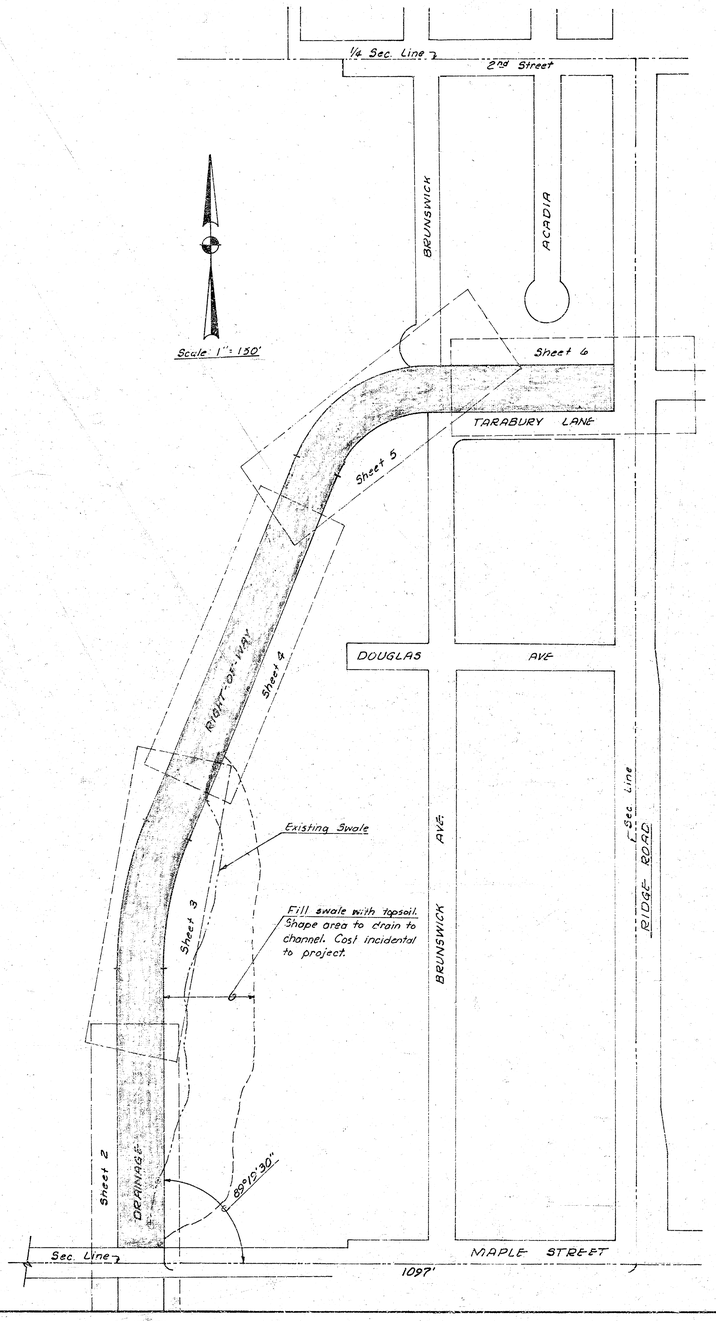
1. FIELD ENGINEER SHALL TAKE TIES TO ALL IRONS AND THIMBLES WHICH MAY BE DESTORYED. FIELD ENGINEER SHALL REPLACE ALL IRONS AND THIMBLES WHICH ARE DESTROYED.

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.



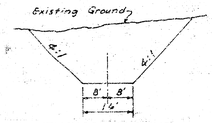
CITY OF WICHITA, KANSAS
R. W. LINN, CITY ENGINEER

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

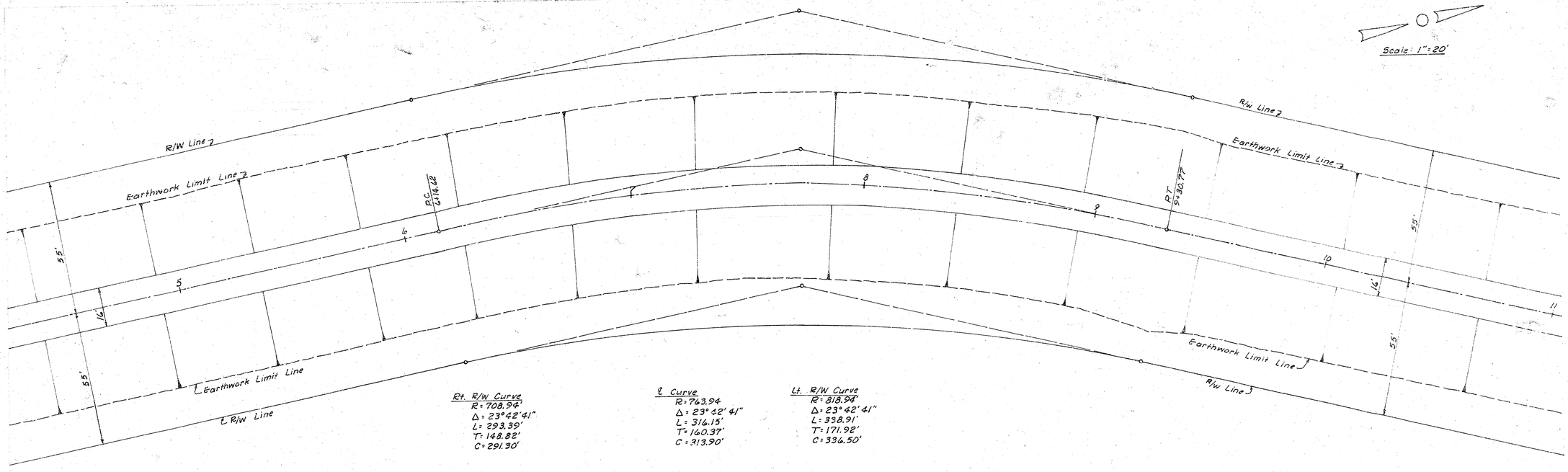
DATE_____

B.M. 144.96 City Std. 2nd & Ridge Rd. 39.5' N. & 48' W. of ℄ both.	B.M. 145.14 "O" top S-cb Tarabury Lane, 25' E. of E.L. Ridge	B.M. 141.5 "O" N.E. Cor. Headwall RCB, S. side Maple, 1152' W. of ℄ Ridge Rd.

Scale: 1" = 20'



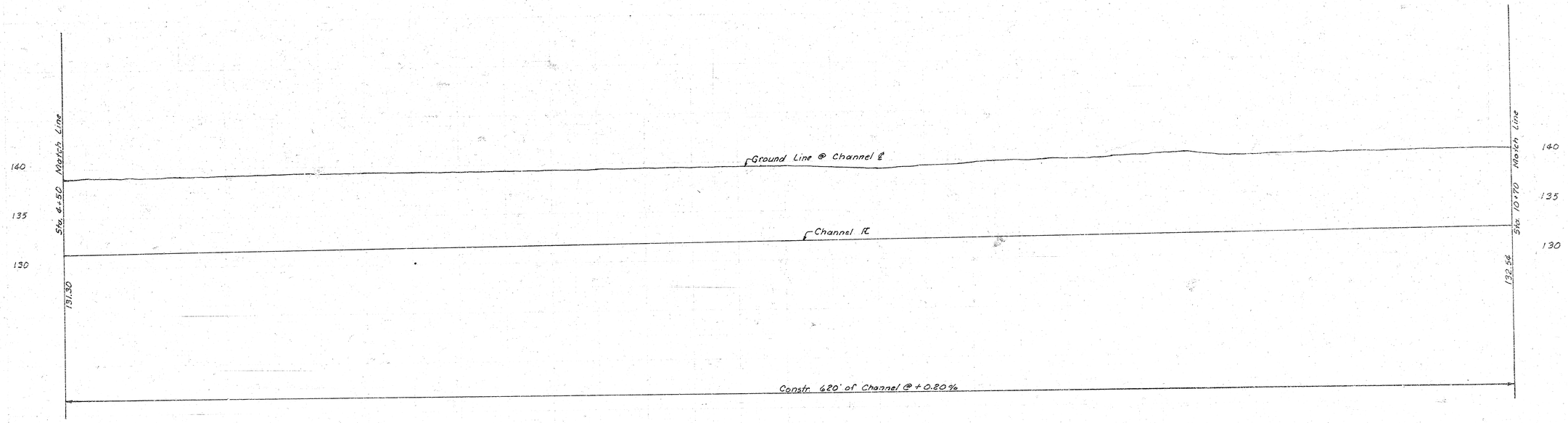
TYPICAL CHANNEL
Sta. 0+14 to Sta. 18+10.75
No Scale



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'

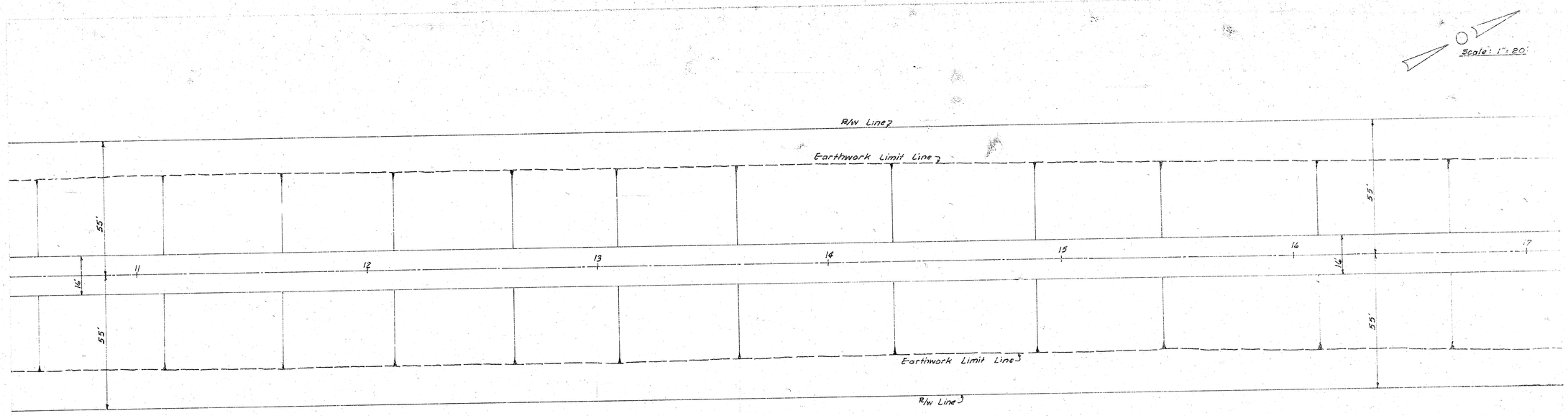
Lt. R/W Curve
R = 818.94'
Δ = 23°42'41"
L = 338.91'
T = 171.92'
C = 336.50'

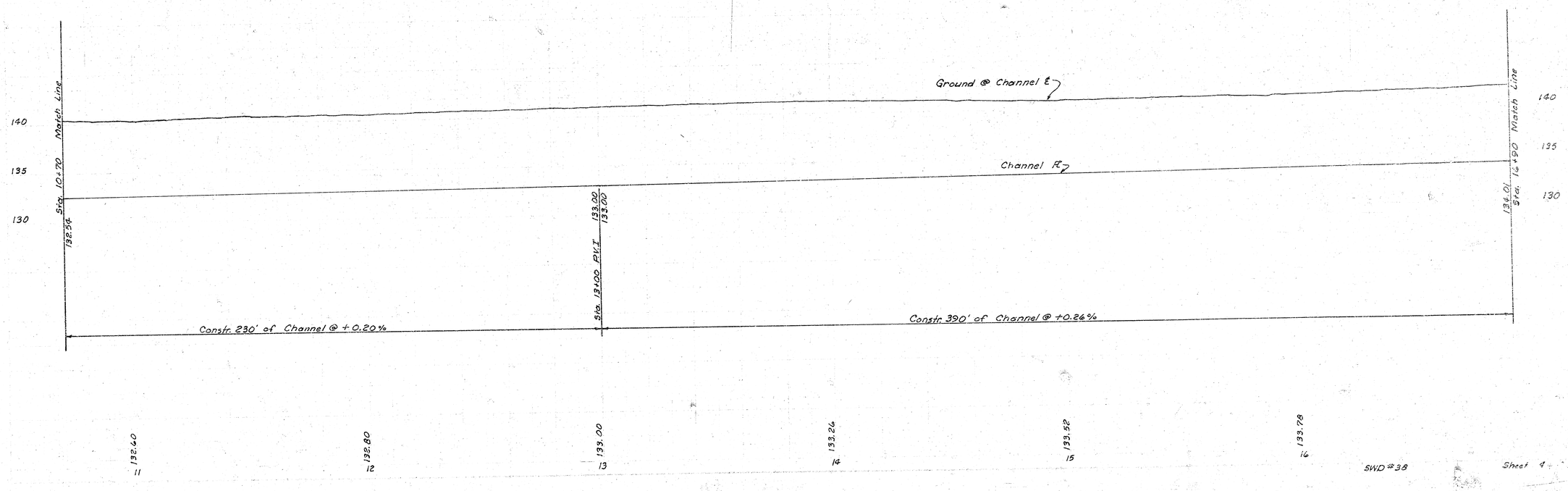


DLK 344
WSK

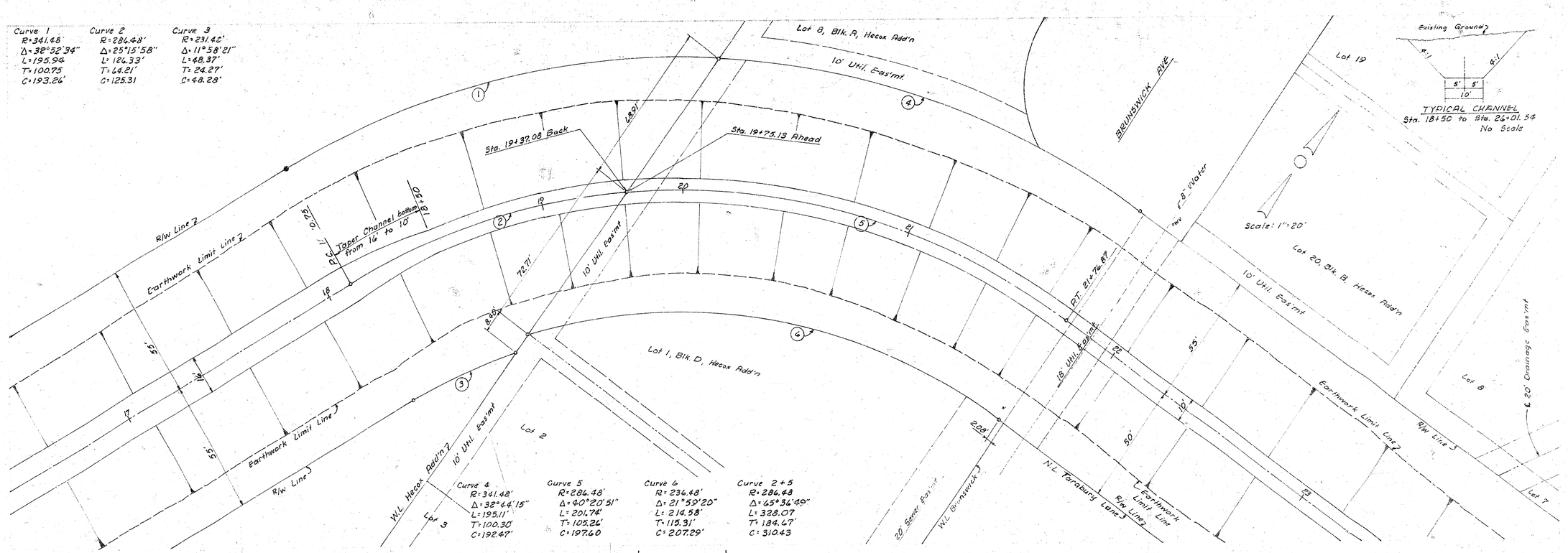
SWD # 38

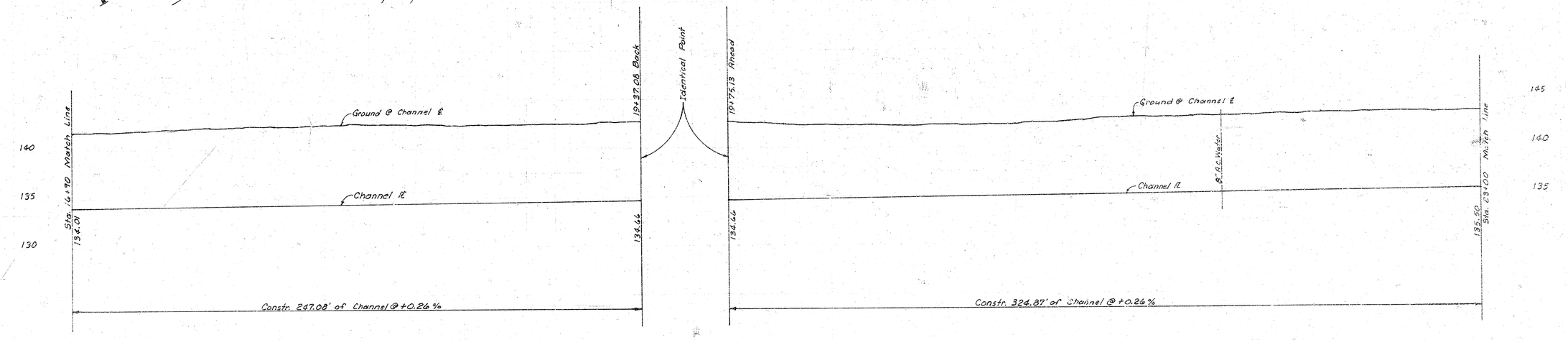
Sheet 3 of 7


Scale: 1"=20'
R/W Line
Earthwork Limit Line
55'
16'
11
12
13
14
15
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'





Lot 20

Lot 8

Lot 7, Blk. B, Hecox Add'n

Lot 6

℄ 20' Util. Eas'mt

℄ 20' Drain. Eas'mt

℄ 10' Util. Eas'mt

10' Util. Eas'mt

10' Util. Eas'mt

℄ W.L. Ridge Rd

℄ 6" Gas (Gas Service)

RIDGE ROAD

Scale: 1"=20'

10' Util. Eas'mt

℄ R/W Line

℄ R/W Line

Earthwork Limit Line

Sta. 26+01.54

31.54'

Sta. 26+31.54 ℄ Intersection

55'

55'

10'

23

24

25

10'

20'

20' Sewer Eas'mt

50'

50'

10' Util. Eas'mt

TARABURY LANE

4" Gas (Ft. Hills)

8" San. Sewer

Earthwork Limit Line

R/W Line

N.L. Tarabury Lane

Underground Elect.

Existing 7'x2' RCBC to remain

Install Type 4 Rip-Rap as directed by the Engineer.

TARABURY LANE

145

140

135

Sta. 23+00 North Line

Sta. 25+20

Sta. 25+90

Sta. 26+01.54 W.L. Ridge Rd.

℄ Ground @ Channel ℄

℄ Channel R

135.50

136.20

135.20

6:1

6" Gas

8" Gas

of 8" San. Sewer

Existing 7'x2' RCBC to remain

Type 4 Rip-Rap

Constr. 20' of Channel @ -5.00%

Constr. 270' of Channel @ +0.26%

135.50

135.76

136.02

23

24

25

26

SWD#38

Sheet 13

14 3 1 18