

STORM WATER DRAIN NO. 19

CITY OF WICHITA, KANSAS

R. W. LINN — CITY ENGINEER

NOV. 1974, PROJECT NO. DBKD 574089

SECTION CORNER TIES

SOUTHWEST CORNER, SOUTHWEST QUARTER, SECTION 8, TOWNSHIP 27
SOUTH, RANGE 1 WEST
5/8" BEAR 4" BELOW ASPHALT
47.83' N. TO 3 TACKS IN TRANSMISSION POLE
50.07' N. TO CONCRETE WETNESS
50.82' S. TO 3 TACKS IN TELEPHONE POLE
125.39' S.W. TO FACE OF CONCRETE STREET LIGHT POLE

NORTHEAST CORNER, SOUTHWEST QUARTER, SECTION 8, TOWNSHIP 27
SOUTH, RANGE 1 WEST
1 1/4" PIPE
0.5' N.E. TO INTERSECTION OF FENCE EAST AND NORTH
0.6' S. TO HEDGE TREE
5.94' S. TO 3 TACKS IN FENCE POST

CHANNEL DIMENSIONS

EXCAVATION = 51,830 CU. YDS.
COMPACTED FILL = 19,500 CU. YDS.

NOTE: COMPACTED FILL TO BE CONSTRUCTED TO CONFORM TO TYPE "B"
COMPACTION (90-95) OF THE 1973 KANSAS STATE HIGHWAY
SPECIFICATIONS.

SEEDING

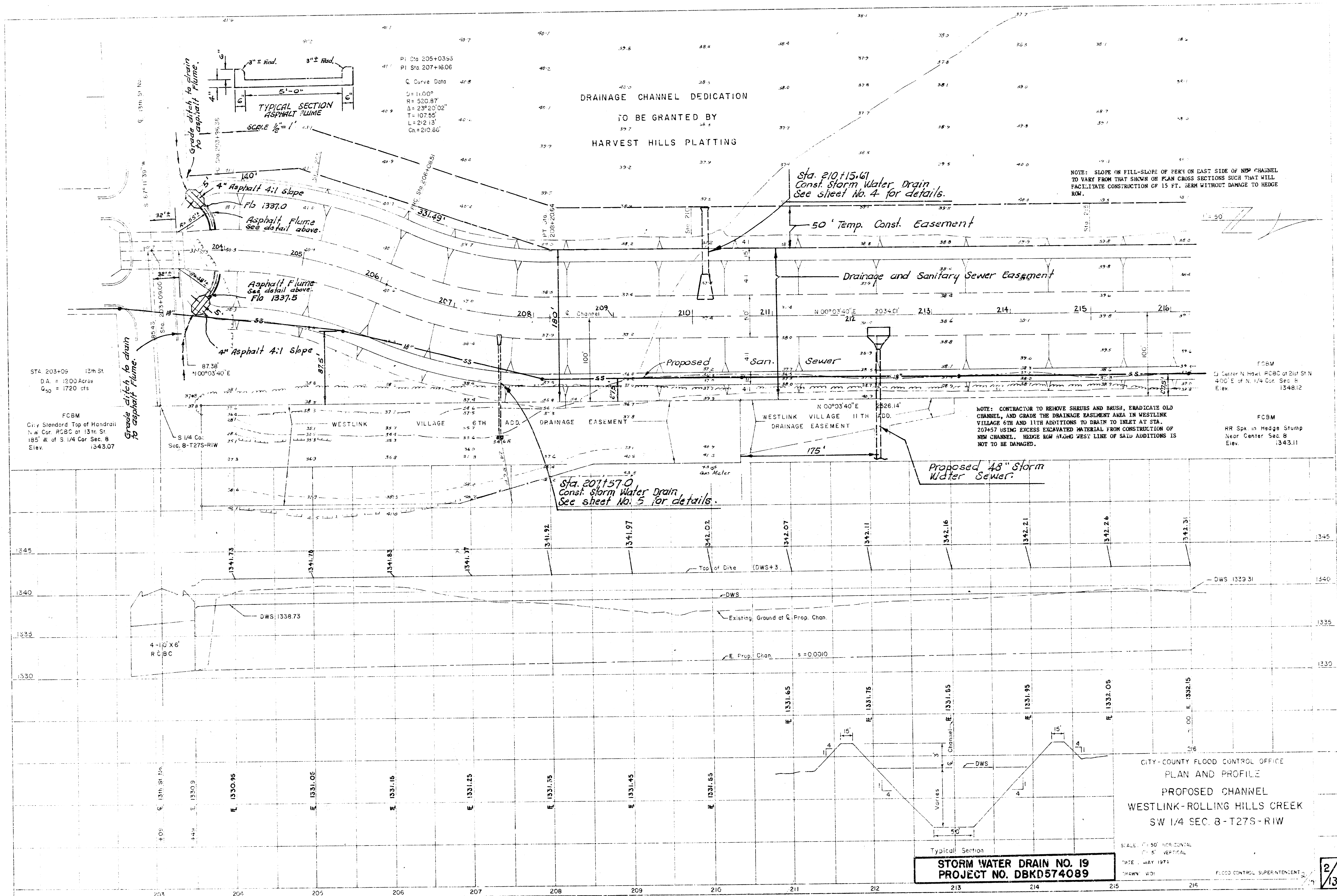
SEED SHALL BE MIXED NATIVE GRASS SEED AS SPECIFIED IN
SECTION 13 - 13 OF THE KANSAS STATE HIGHWAY STD SPECIFICATIONS.
(EDITION) 1966. MIXTURE SHALL BE PRAIRIE HAY. FERTILIZING,
SEEDING, AND MULCHING SHALL CONFORM TO SECTIONS H2, H5, H6
AND ALL OTHER RELATED SECTIONS OF THE 1966 STANDARD SPECIFICA-
TION OF KANSAS STATE HIGHWAY COMMISSION. DESIRABLE SPECIES
GRASSES SHALL NOT BE DISTURBED EXCEPT AS NECESSARY TO CONSTRUCT
CHANNEL. NATIVE GRASS SEED SHALL BE APPLIED AT THE RATE OF
80 LBS. OF SEED PER ACRE. FERTILIZER SHALL BE APPLIED AT THE
RATE OF 160 LBS. OF FERTILIZER PER ACRE. FERTILIZER SHALL
CONTAIN 12% NITROGEN, 12% PHOSPHATE, & 12% POTASH.

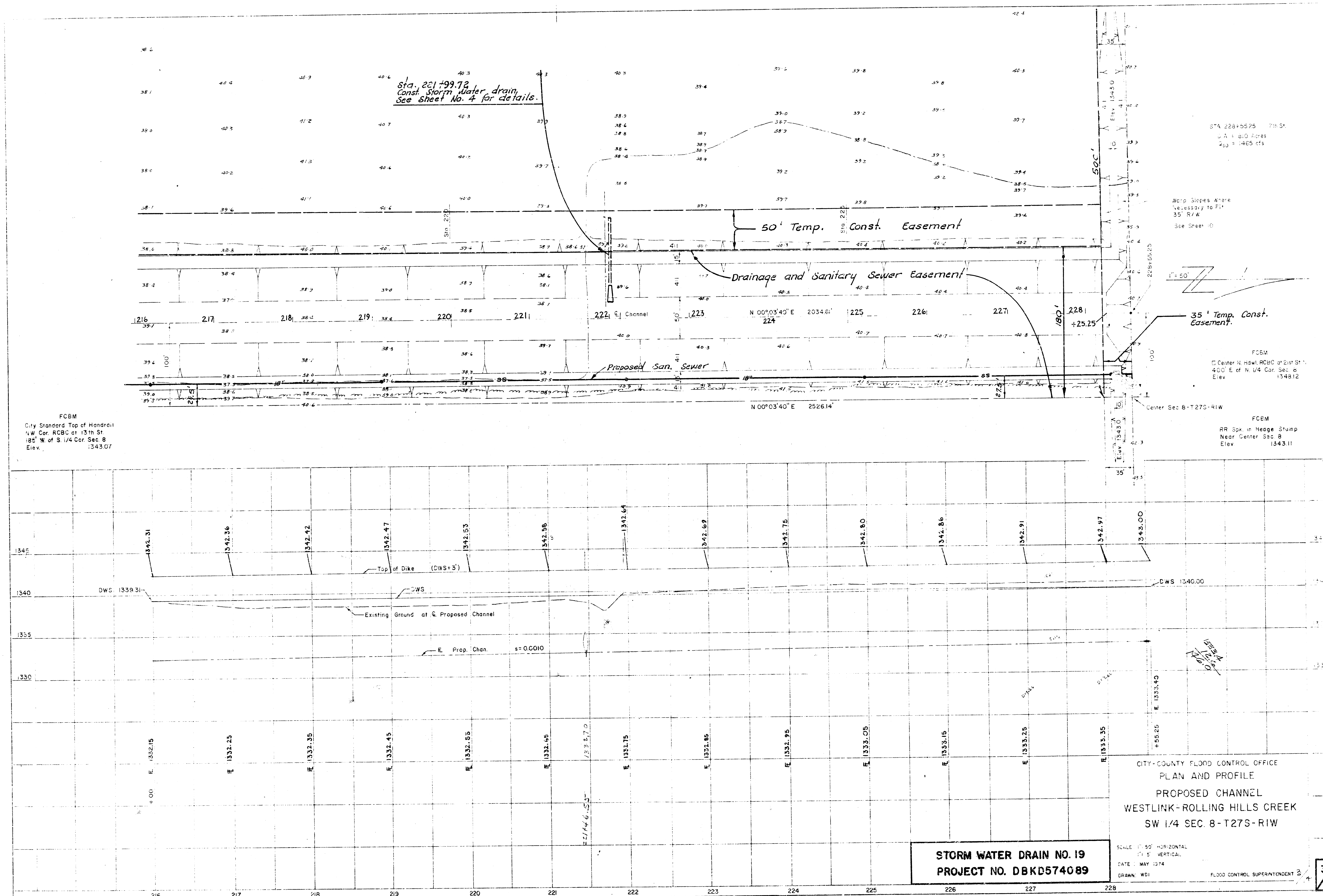
NOTE: THIS PROJECT SHALL BE COORDINATED WITH STORM WATER
SEWER #111 PROJECT AND MAIN 3, WESTLINE SEWER PROJECT.



As Built 4-21-78

STORM WATER DRAIN NO. 19
PROJECT NO. DBKD 574089 1/13





Sta. 221+99.72
Const. Storm Water Drain,
See Sheet No. 4 for details.

50' Temp. Const. Easement

Drainage and Sanitary Sewer Easement

Proposed San. Sewer

Sta. 228+55.25 7th St.
C.A. & B.O. Acres
2.03 = 1465 cfs

Warp Slopes Here
Necessary to Fit
35' R/W
See Sheet 10

35' Temp. Const. Easement

FCBM
City Standard Top of Handrail
N.W. Cor. RCB at 13th St.
185' W. of S. 1/4 Cor. Sec. 8
Elev. 1343.07

FCBM
Center N. Haul RCB at 21st St.
400' E. of N. 1/4 Cor. Sec. 8
Elev. 1343.12

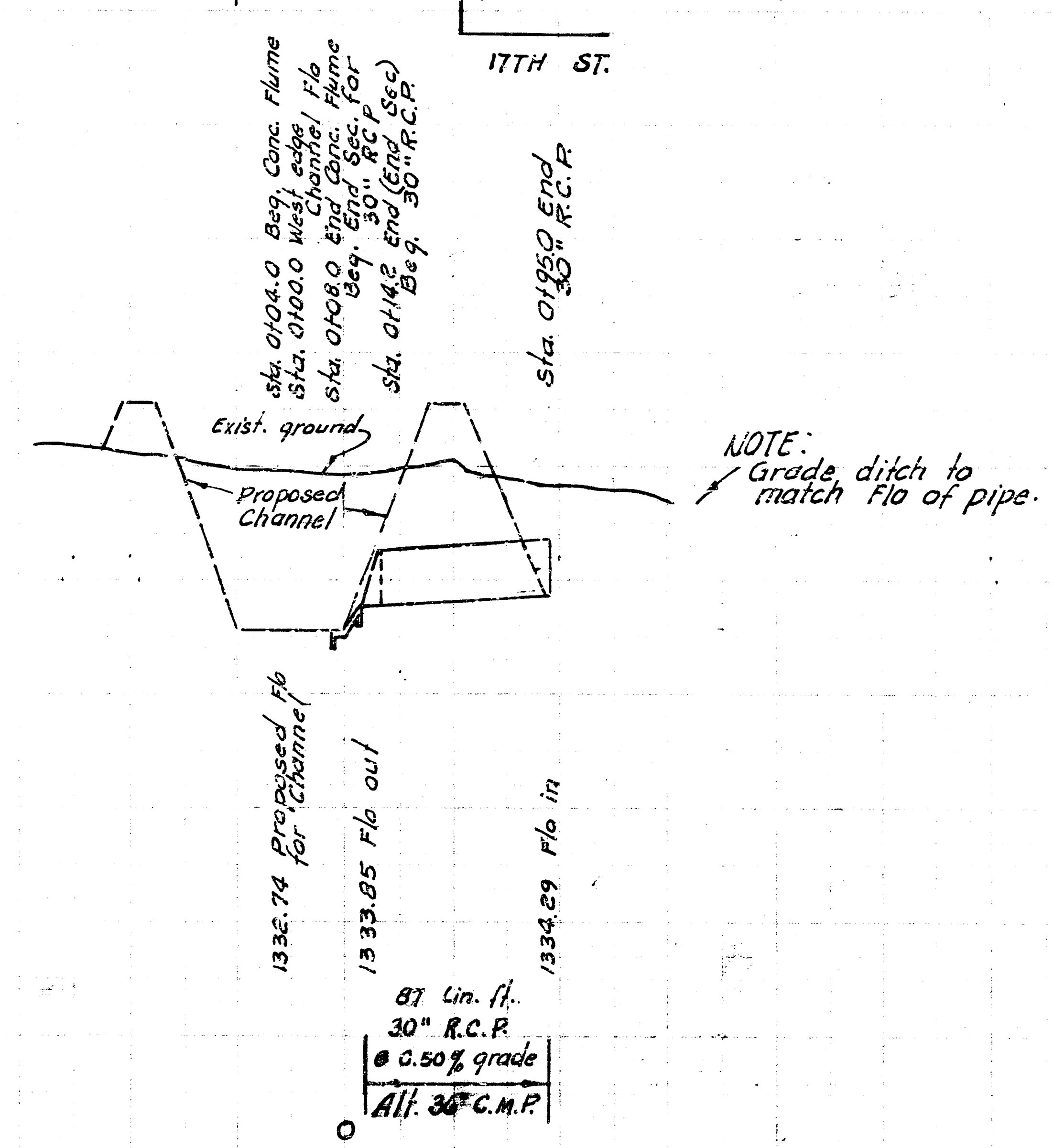
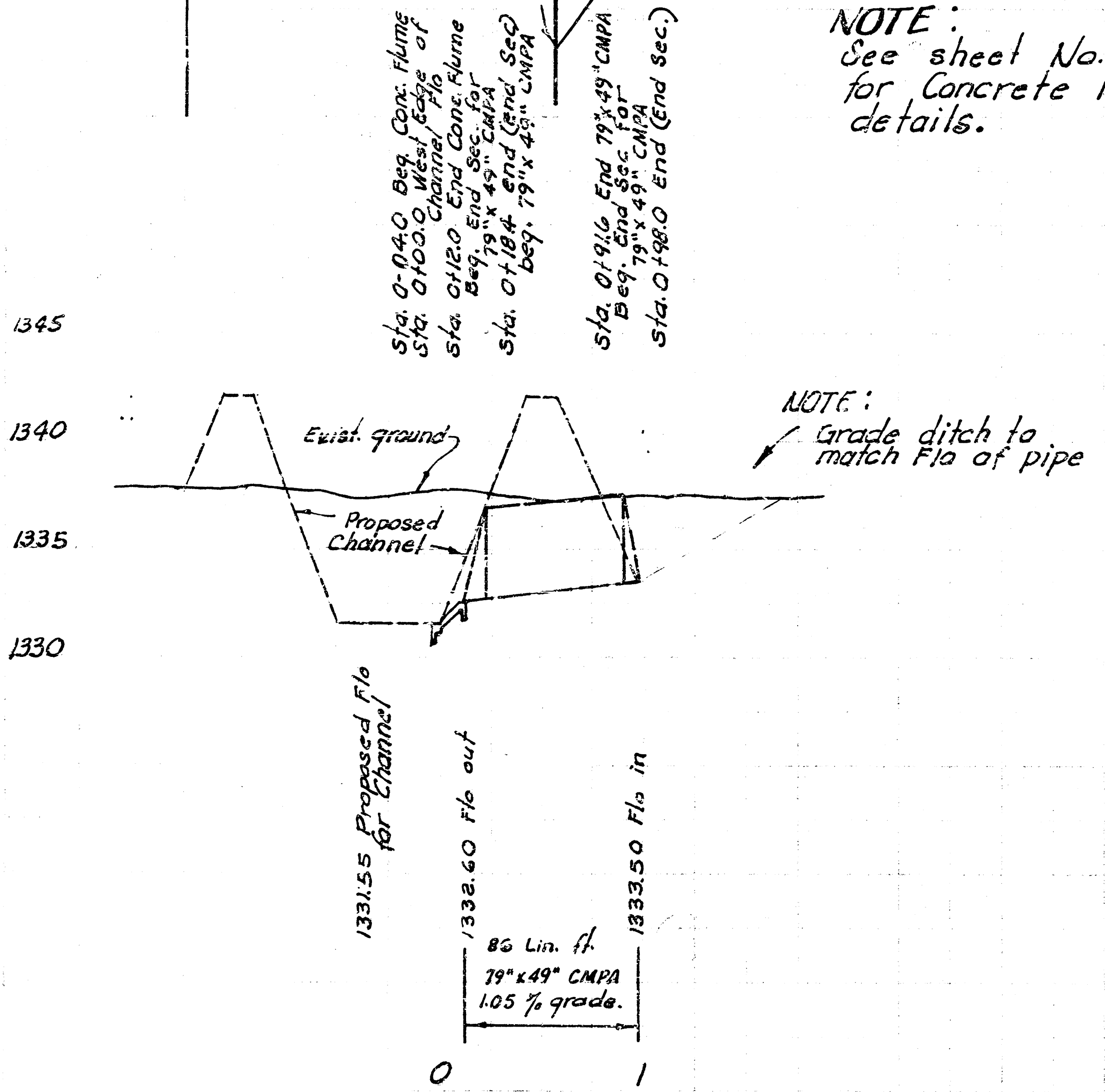
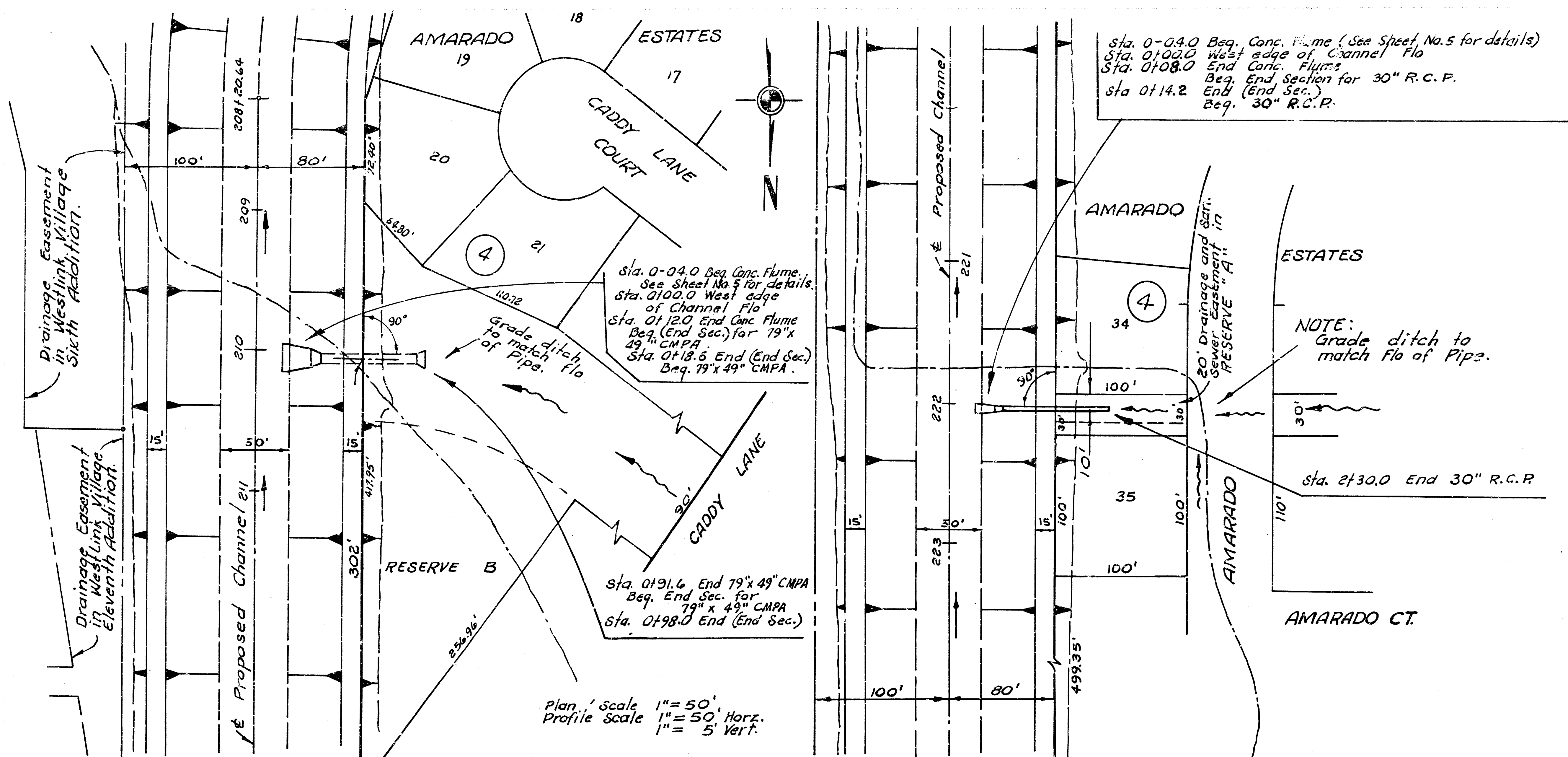
FCBM
RR Sp. in Hedge Stump
Near Center Sec. 8
Elev. 1343.11

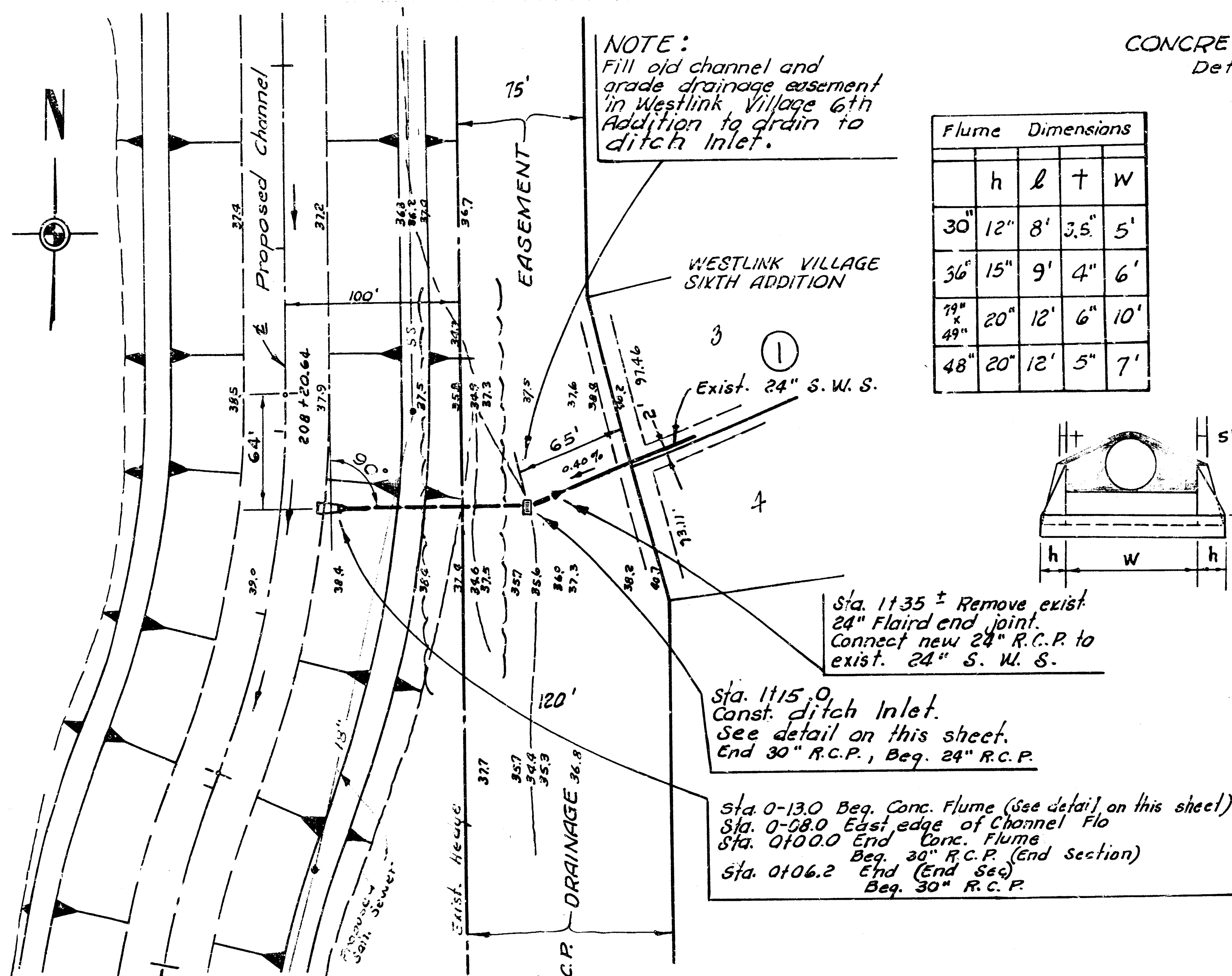
CITY-COUNTY FLOOD CONTROL OFFICE
PLAN AND PROFILE
PROPOSED CHANNEL
WESTLINK-ROLLING HILLS CREEK
SW 1/4 SEC. 8-T27S-RIW

STORM WATER DRAIN NO. 19
PROJECT NO. DBKD574089

SCALE: 1"=50' HORIZONTAL
1"=5' VERTICAL
DATE: MAY 1974
DRAWN: WDI

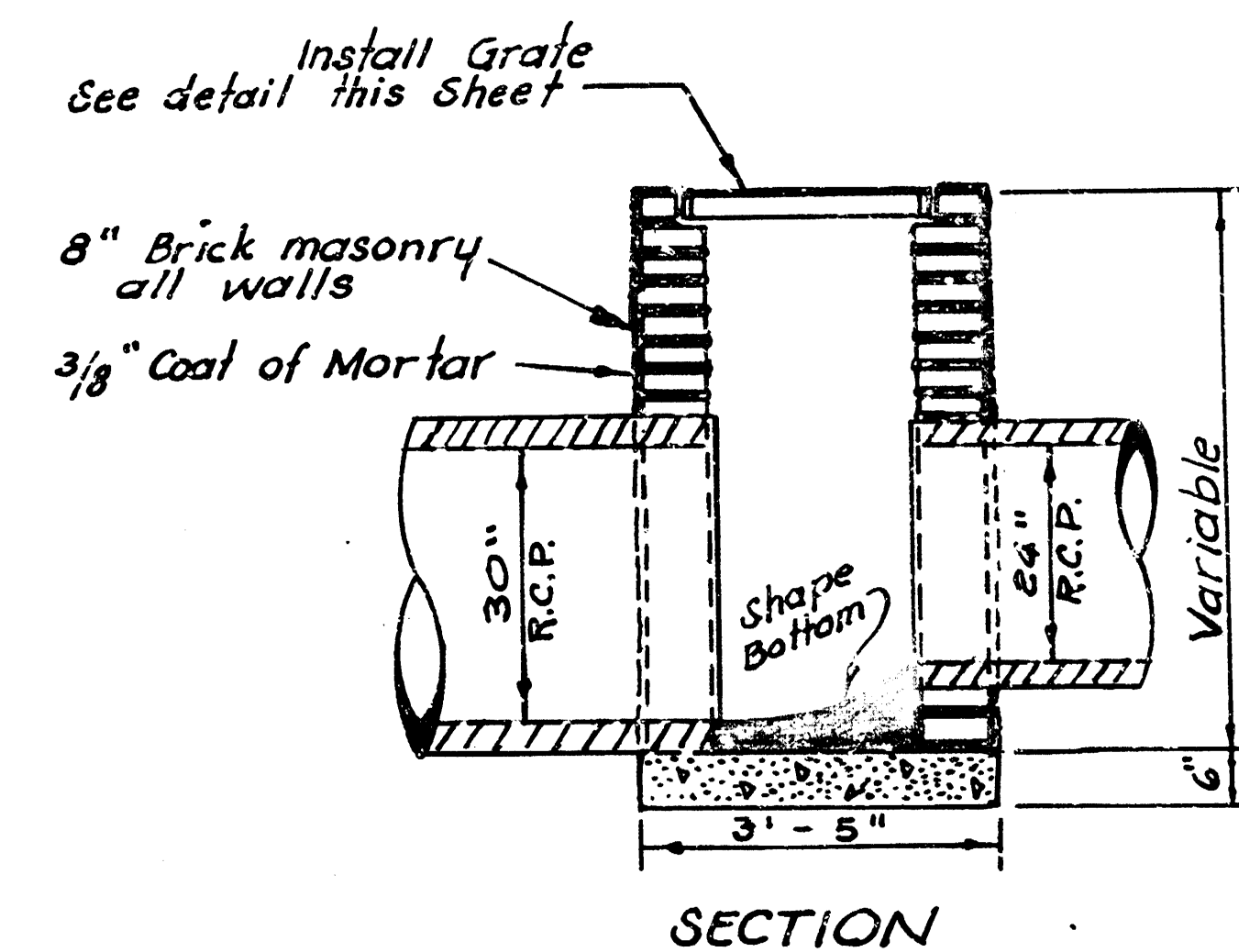
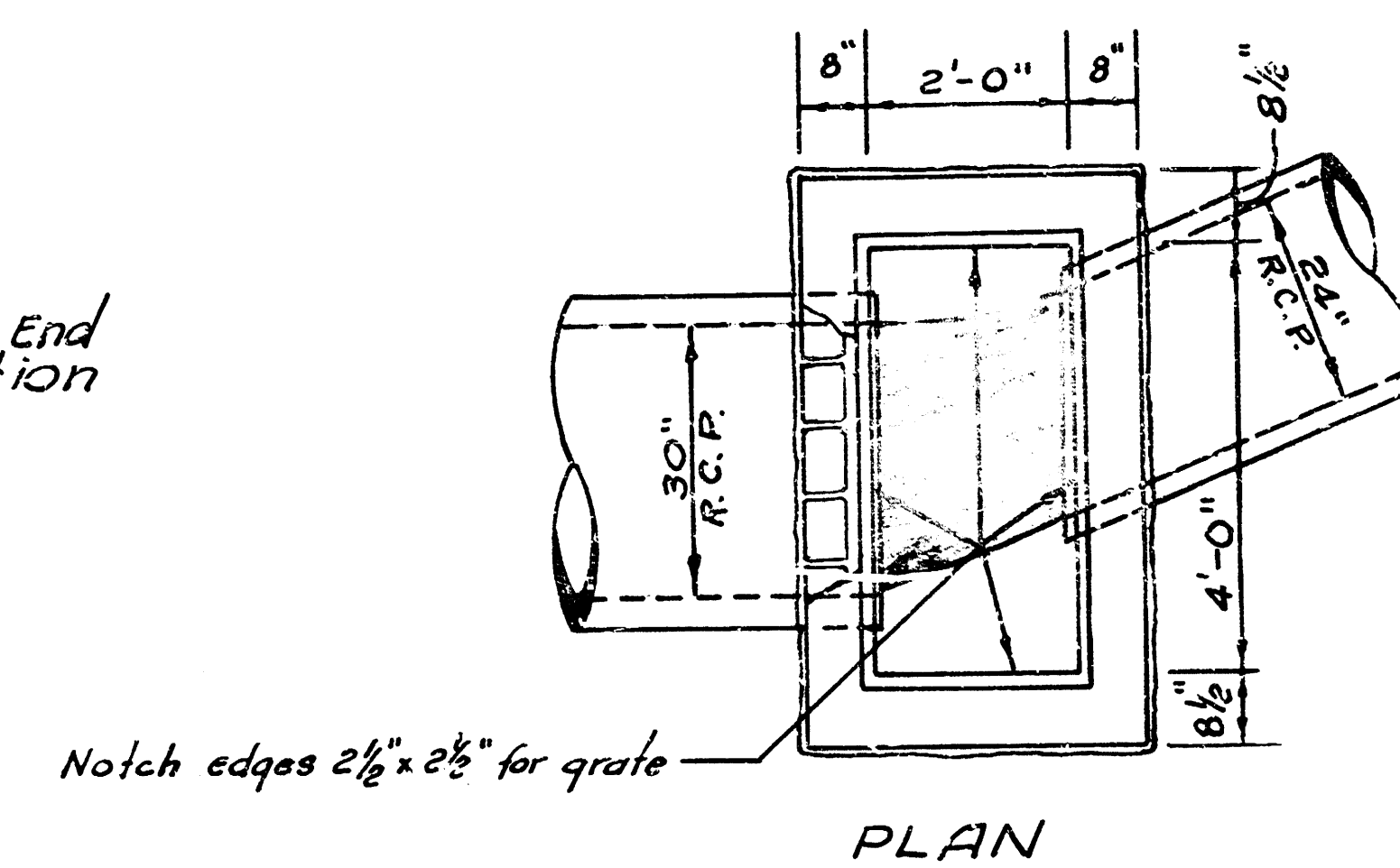
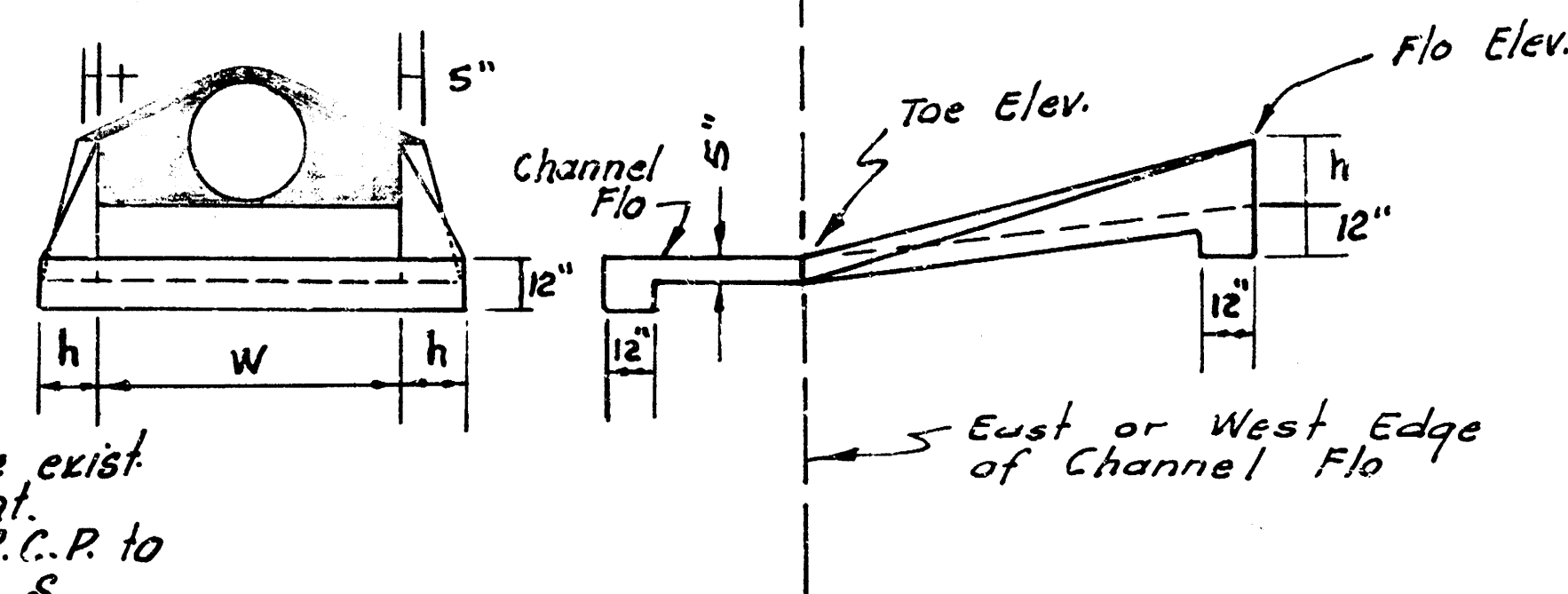
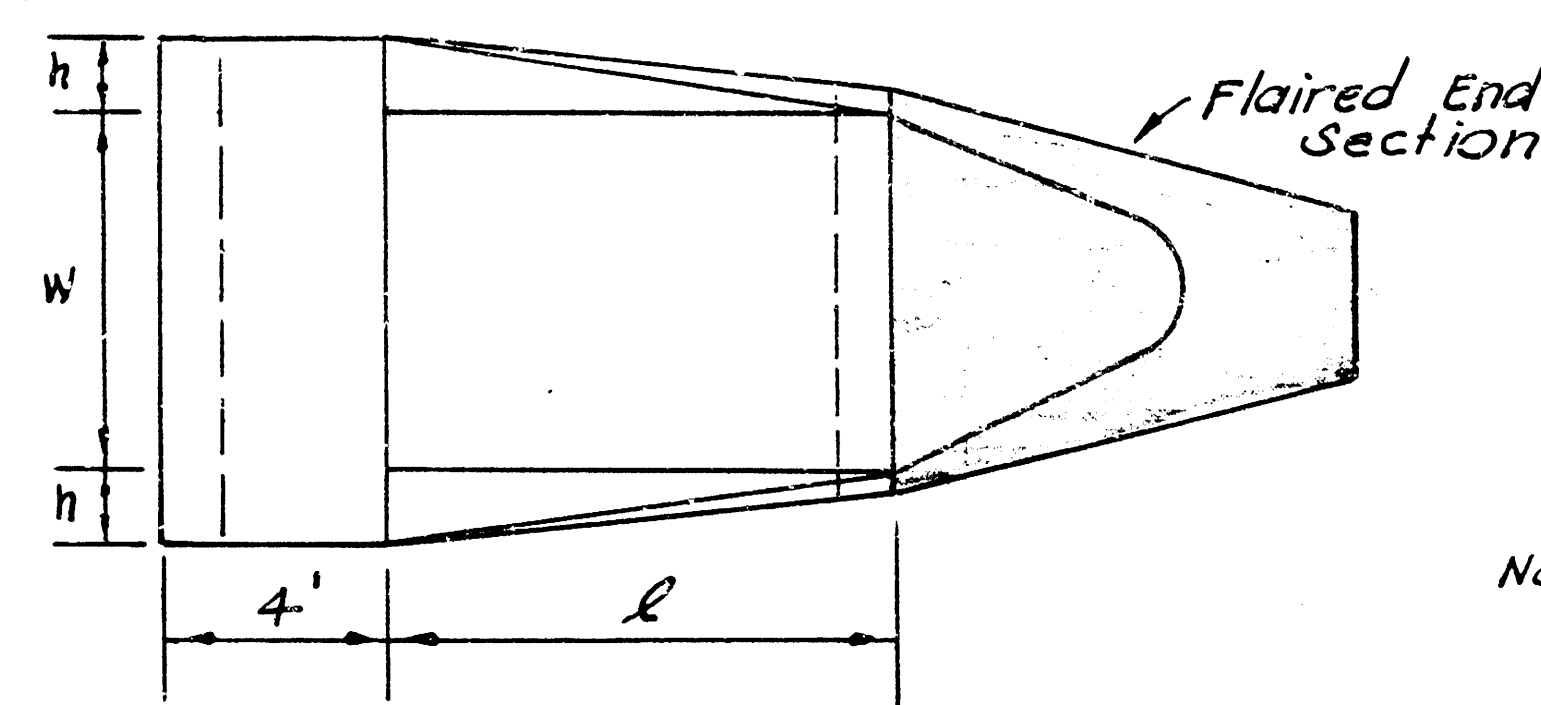
FLOOD CONTROL SUPERINTENDENT



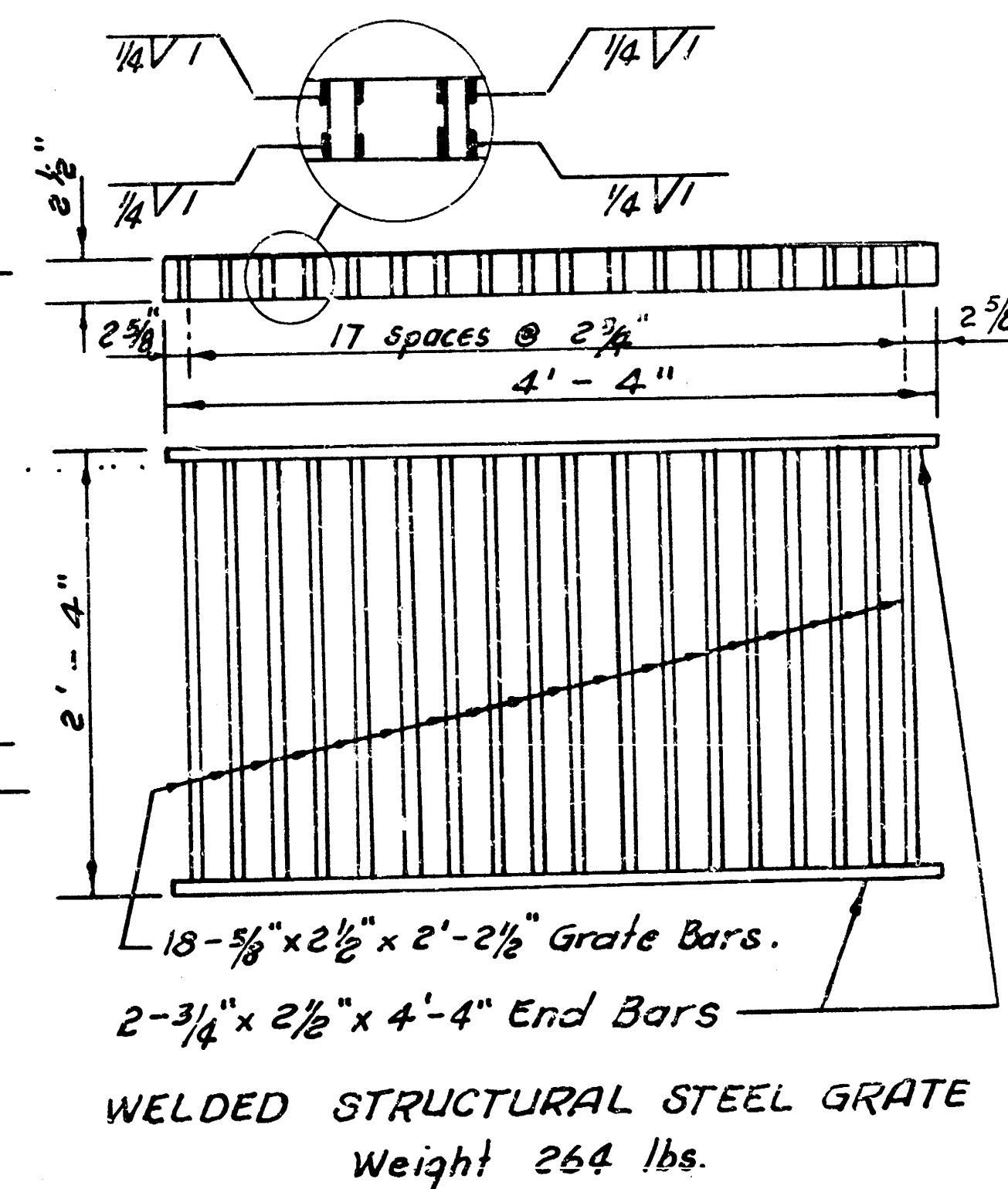


CONCRETE FLUME
Detail

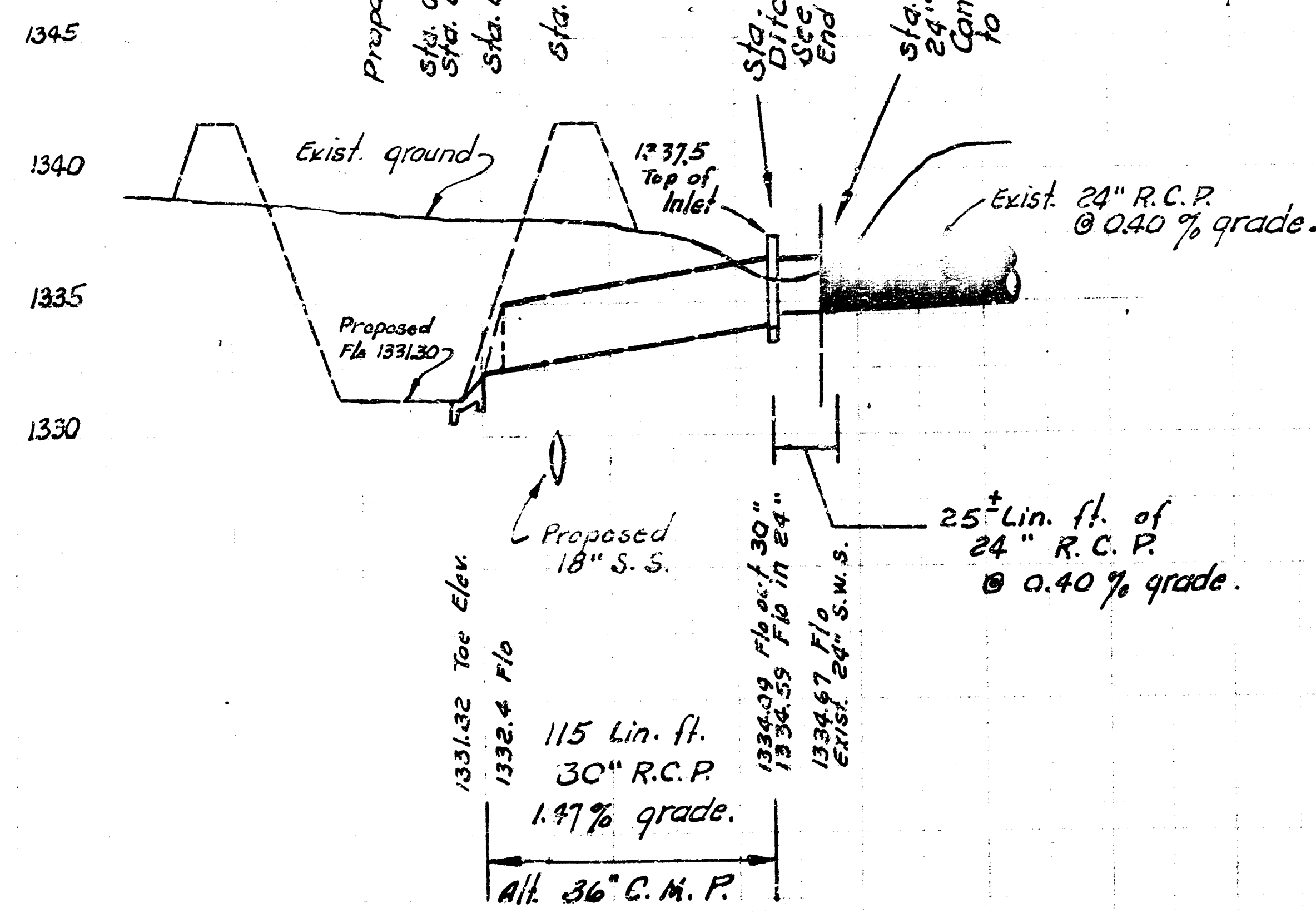
Flume	h	l	t	W
30"	12"	8'	3.5"	5'
36"	15"	9'	4"	6'
42"	20"	12'	6"	10'
48"	20"	12'	5"	7'



DITCH INLET
Detail



Plan Scale 1" = 50'
Profile Scale 1" = 50' Horiz.
5 Vert.



1340

1335

1330

300

200

100

0

DWS 1338.82

E 1331.26

F = 90.4
C = 839.43+00
206+15F = 296.5 C.W.H.
C = 3278.3 C.W.H.41.2
2638.3
46

1340

1335

1330

41.1
26541.1
21940.9
16540.9
10440.7
5540.9
040.6
4939.3
11038.6
165
Edge
Hedge37.7
5335.7
3634.4
2735.3
2334.0
038.3
4641.2
25041.2
19941.1
14741.1
9741.0
5040.9
0
0+739.6
93
99.238.8
162
Edge
Hedge37.5
5338.5
5835.1
3435.3
2434.9
037.2
4641.5
71

1340

1335

1330

DWS 1338.77

E 1331.16

F = 42.5
C = 847.42+00
205+10F = 313.5 C.W.H.
C = 3,400.1 C.W.H.41.6
27641.6
17441.1
9640.7
5240.3
0
7+238.9
7038.1
16737.4
6336.4
5236.5
20828.6
3035.1
2437.2
4642.1
29

1340

1335

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1325

DWS 1338.73

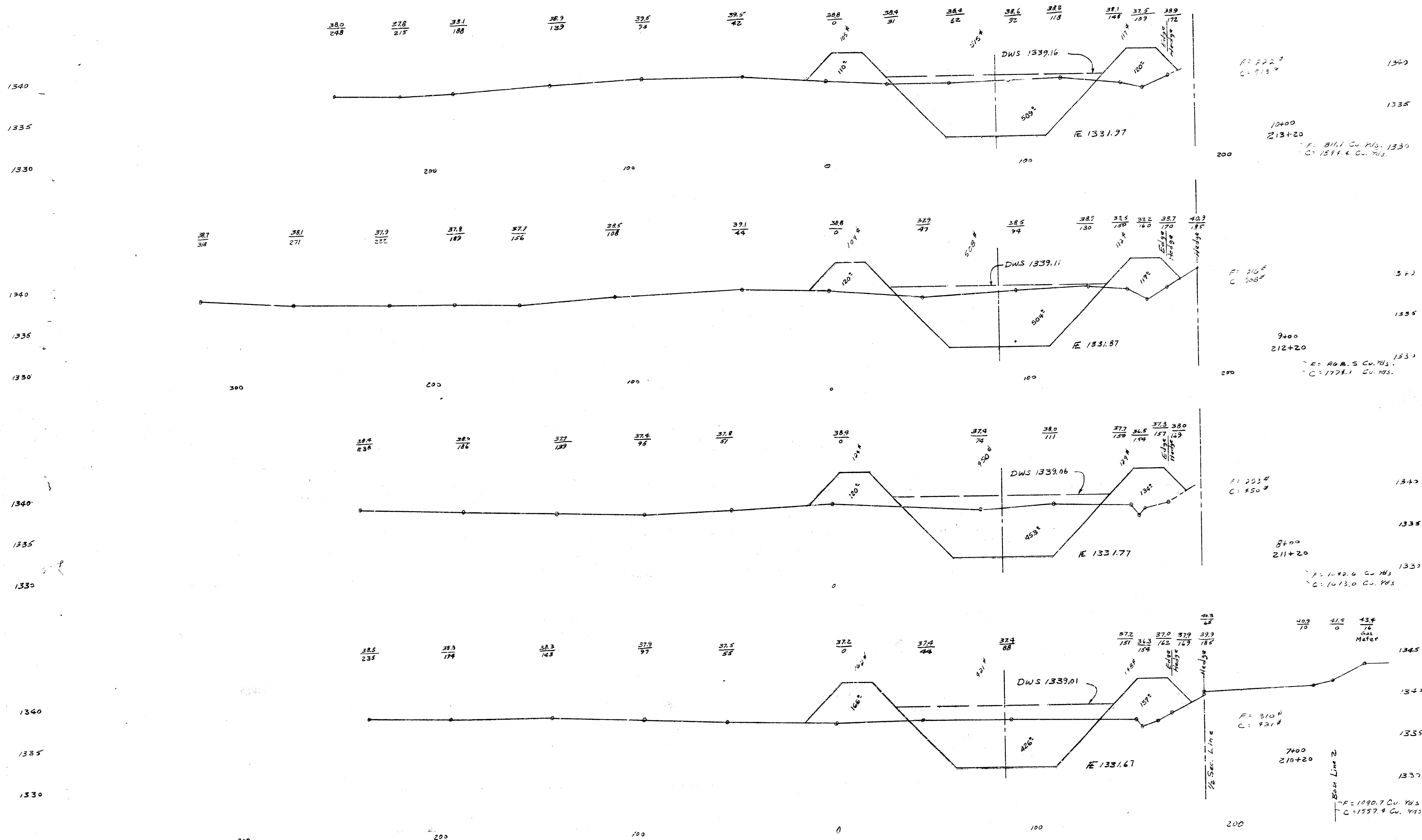
E 1331.05

F = 86.0
C = 772.41+00
203+96Hedge
1/2 Sec.
Line

Base Line 2

STORM WATER DRAIN NO. 19
PROJECT NO. D8R0574052

6/13



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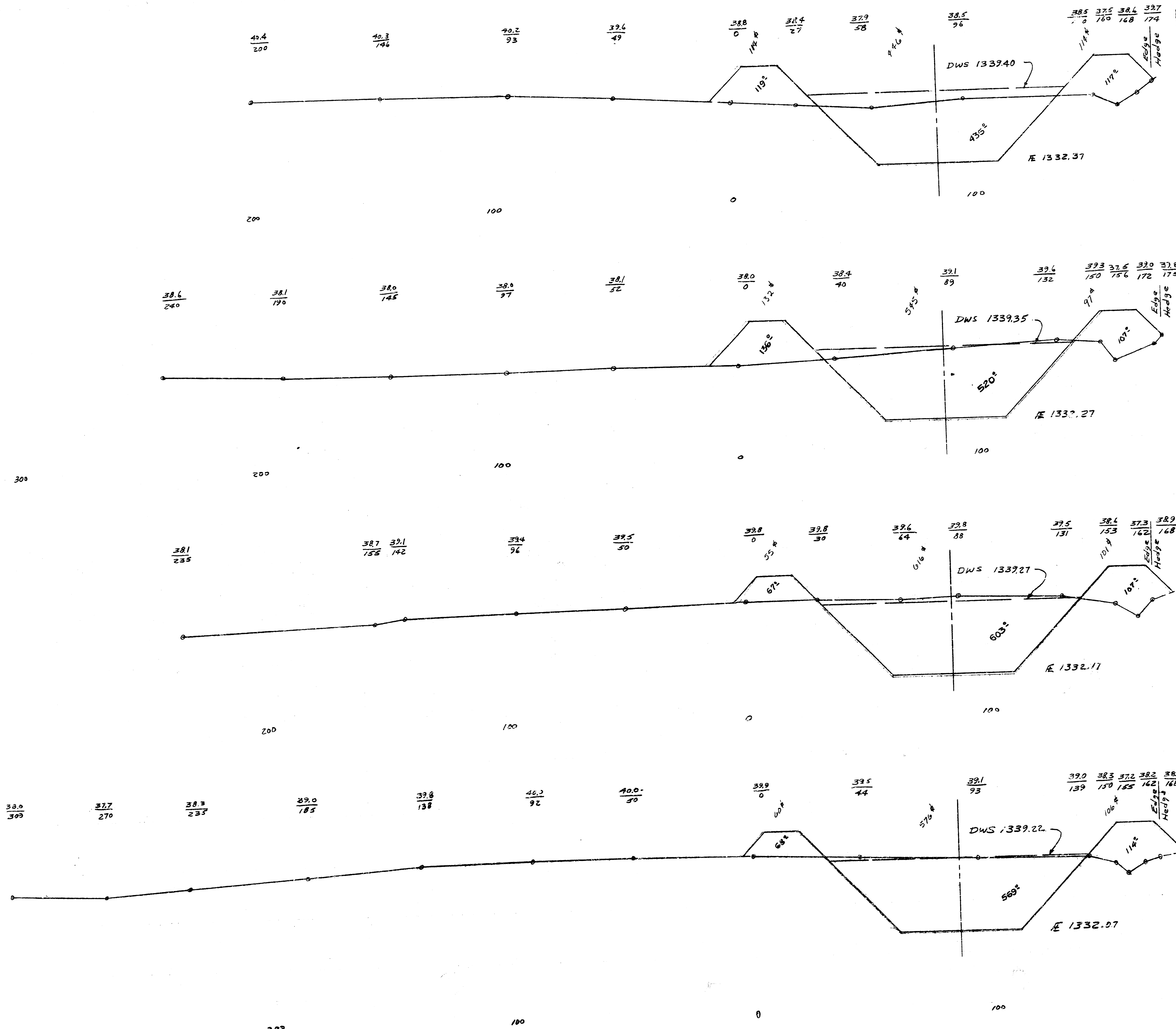
1335

1330

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1335

1330



F = 228 #
C = 846 #

19+00
217+20

F = 346.3 Cu. Yds.
C = 1835.2 Cu. Yds.

200

F = 229 #
C = 845 #

13+00
216+20

F = 713.0 Cu. Yds.
C = 2150.0 Cu. Yds.

200

F = 136 #
C = 616 #

12+00
215+20

F = 596.3 Cu. Yds.
C = 2207.4 Cu. Yds.

200

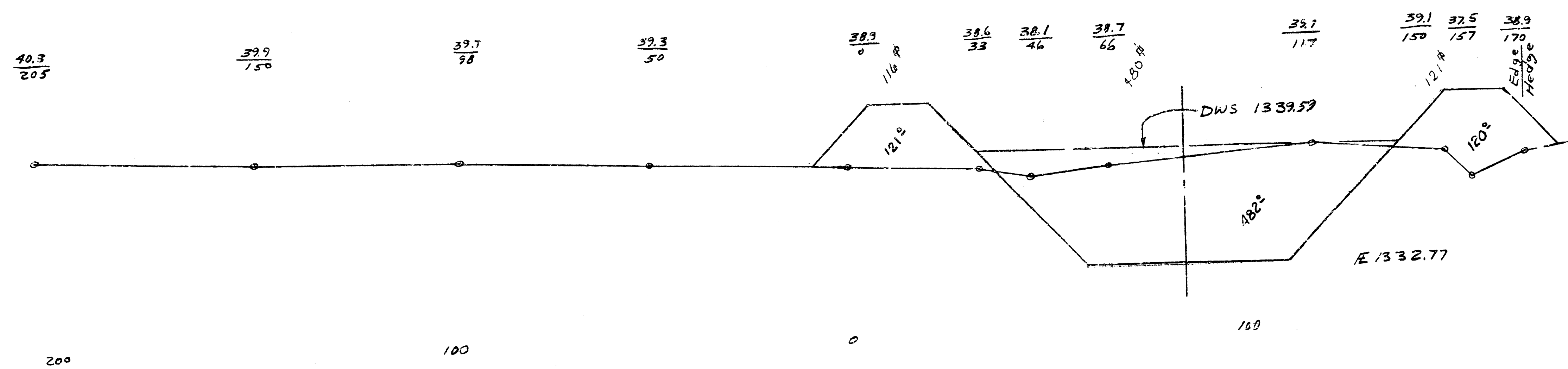
F = 166 #
C = 576 #

11+00
214+20

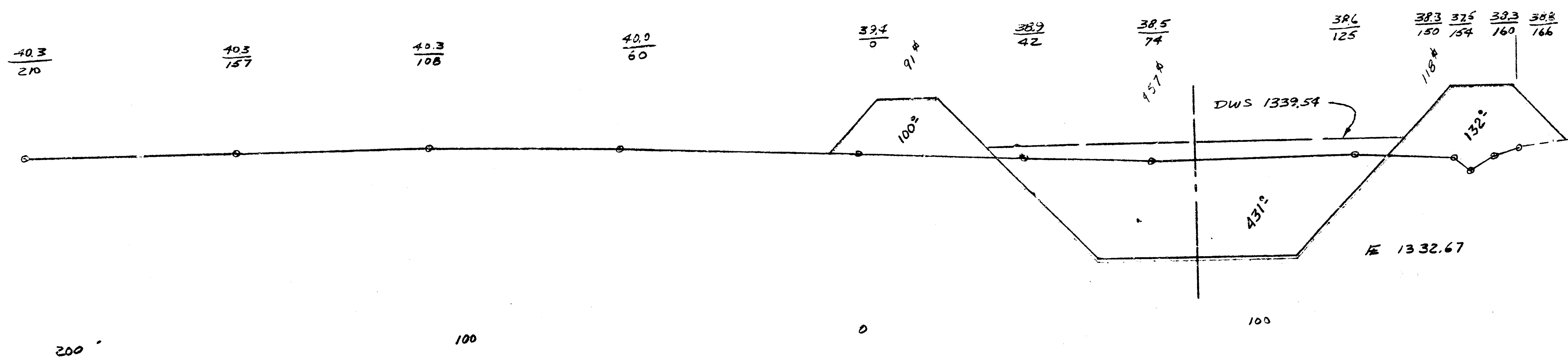
F = 718.5 Cu. Yds.
C = 2020.4 Cu. Yds.

200

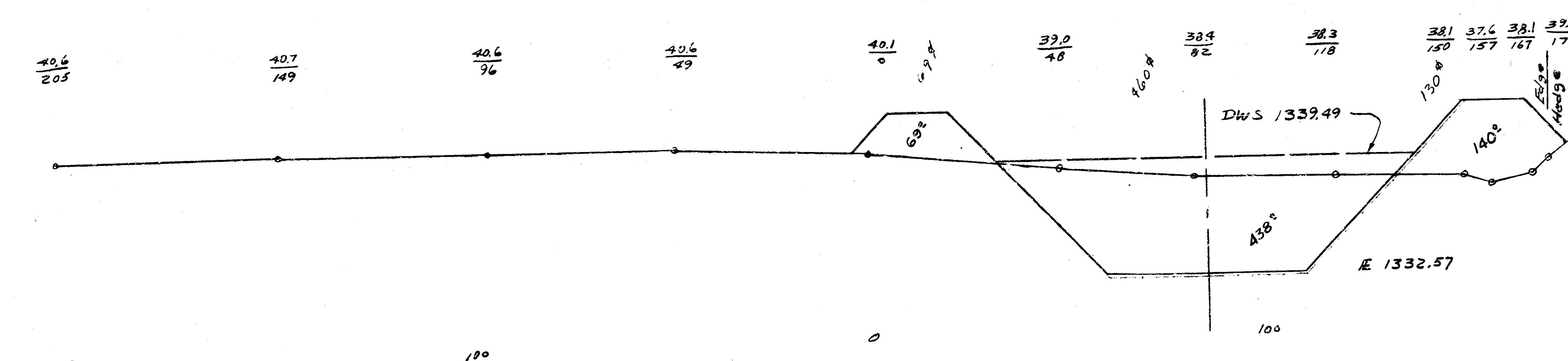
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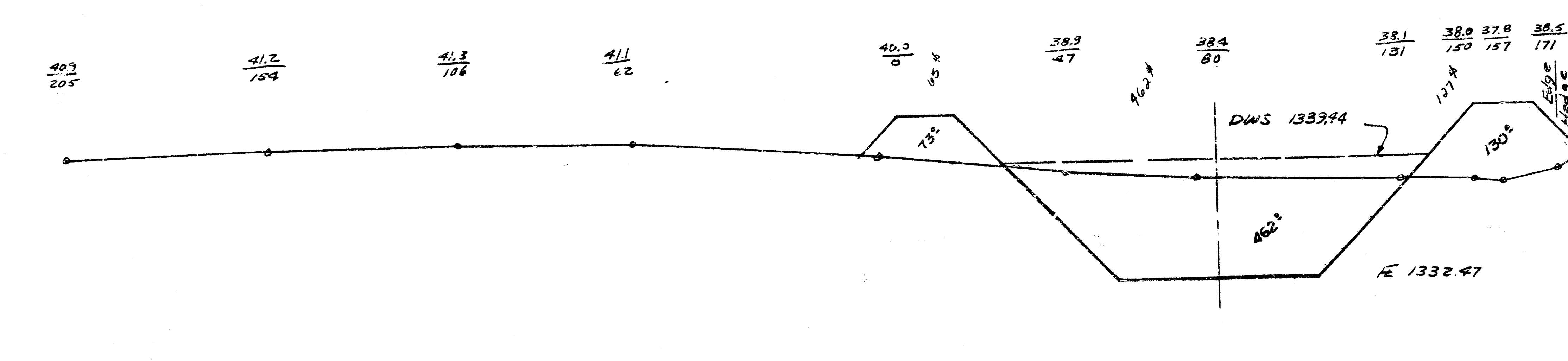
A: 237.5
C: 480.0
18+00
221+20
F: 825.9 Cu. Yds.
C: 1735.2 Cu. Yds.



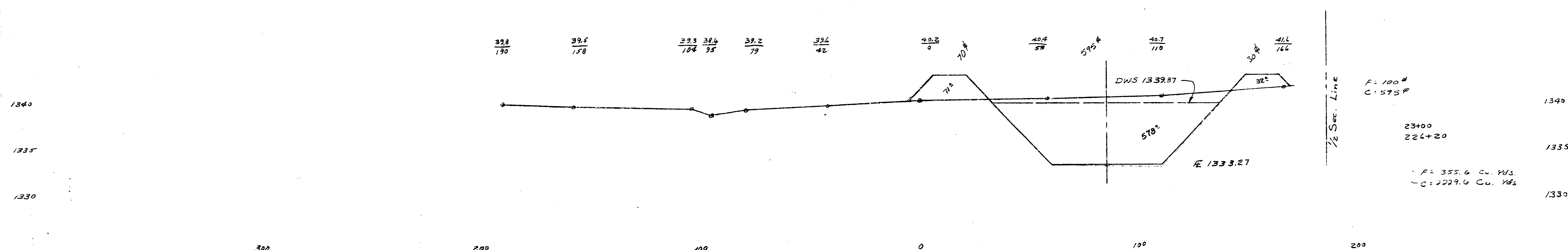
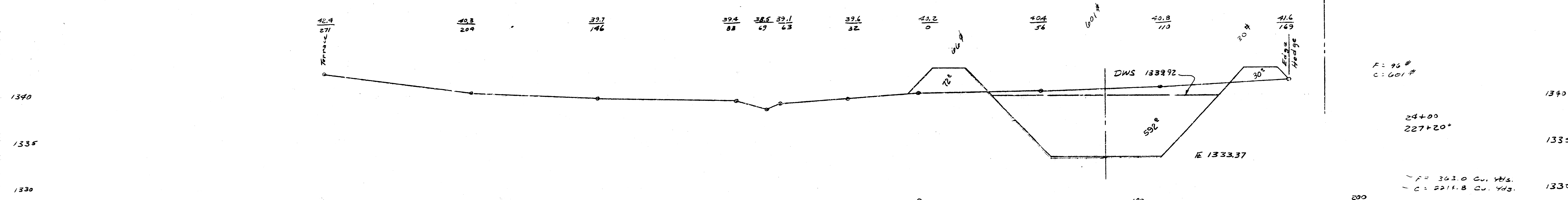
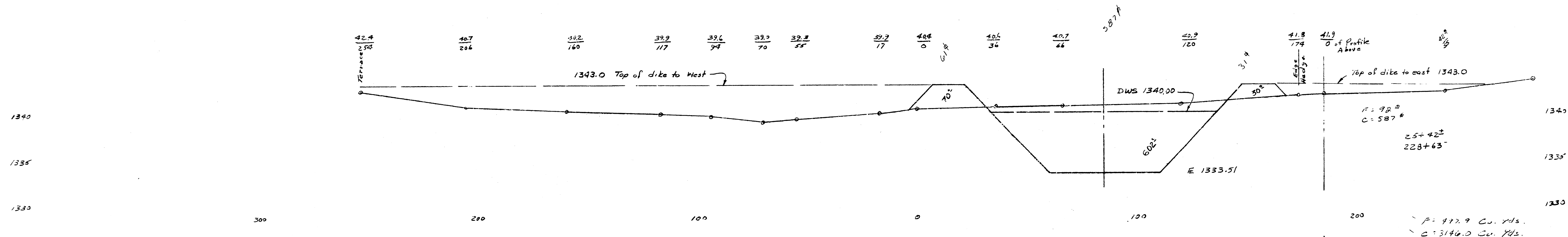
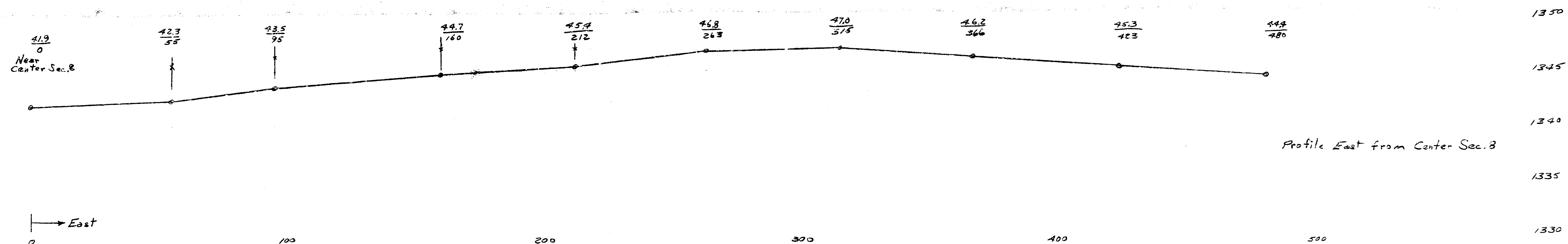
A: 209.4
C: 457.0
17+00
220+20
F: 755.6 Cu. Yds.
C: 1698.1 Cu. Yds.



F: 179.4
C: 460.0
16+00
219+20
F: 724.1 Cu. Yds.
C: 1707.4 Cu. Yds.



F: 172.4
C: 462.0
15+00
218+20
F: 777.8 Cu. Yds.
C: 1681.5 Cu. Yds.



Total Fill 15,560.8 Cu. Yds.
Total Cut 51,338.7 Cu. Yds.

STORM WATER DRAIN NO. 19
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FILMED FROM THE BEST
AVAILABLE COPY

145
Sta 3+80 West
140

9.0 x 30

145
Sta 3+50 West
140

13.0 x 50

145
Sta 3+00 West
140

40.0 x 50

145
Sta 2+50 West
140

66.0 x 50

145
Sta 2+00 West
140

6.0 x 25

145
Sta 1+60 West
140

94.5 x 50

145
Sta 1+00 West
140

74 x 20

40 30 20 10 0 1/2 sec line
Street 1/4 mi
Wing Levee to West
Sta. 0+00 = Channel

0 10 20 30 40
Wing Levee to East
Sta. 0+00 = Channel

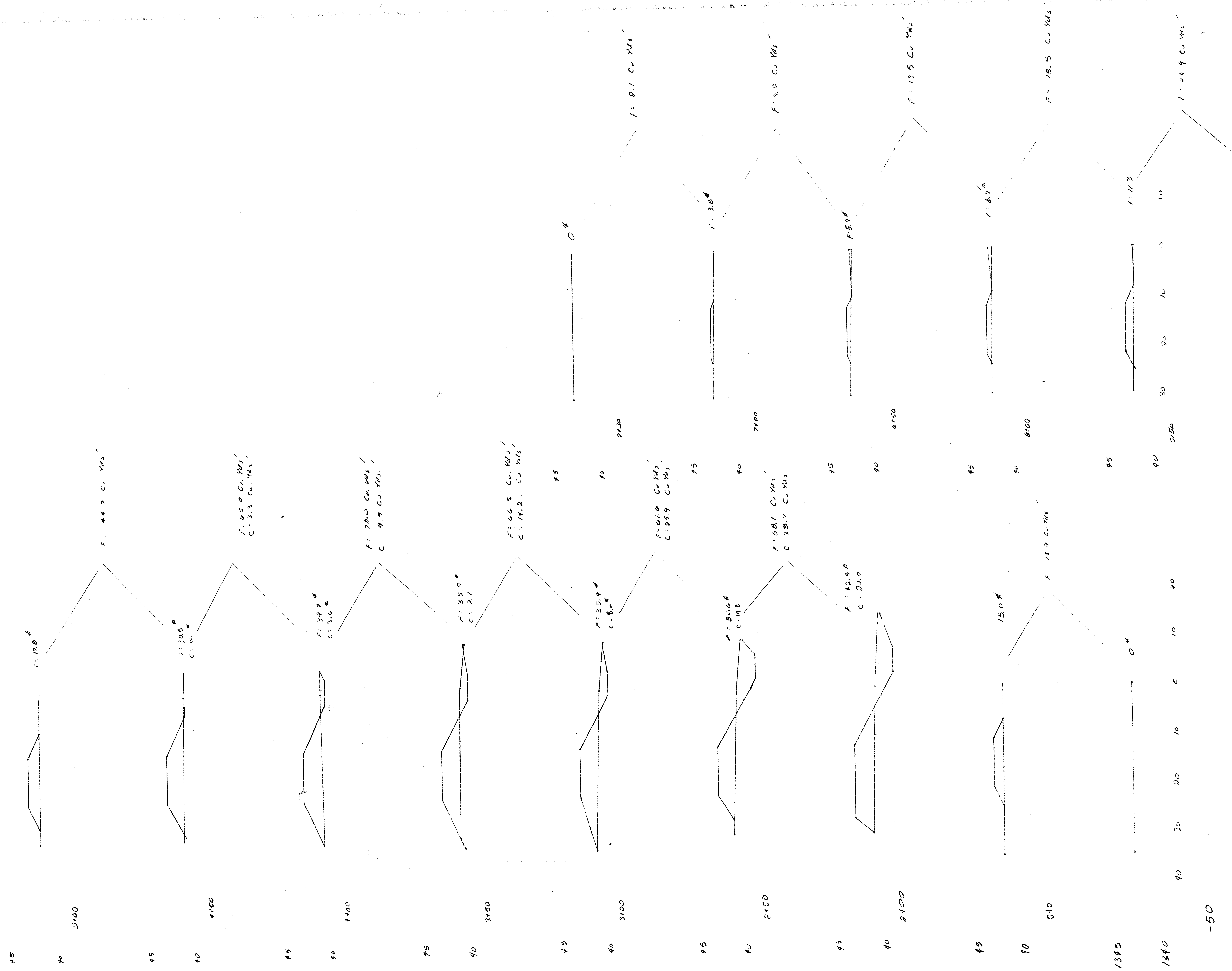
Wing Levee, East & West
West Link-Bellings Tributary
Cowardin Creek

7-11-72

STORM WATER DRAIN NO. 19
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14 13 12 11 10 9 8 7 6 5 4 3 2 1

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Fill 159.8 Cu Yds.
Cut 90.0 Cu Yds

LEVEE AREA
Prelim. & Final Cross Sections