

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" REBAR 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

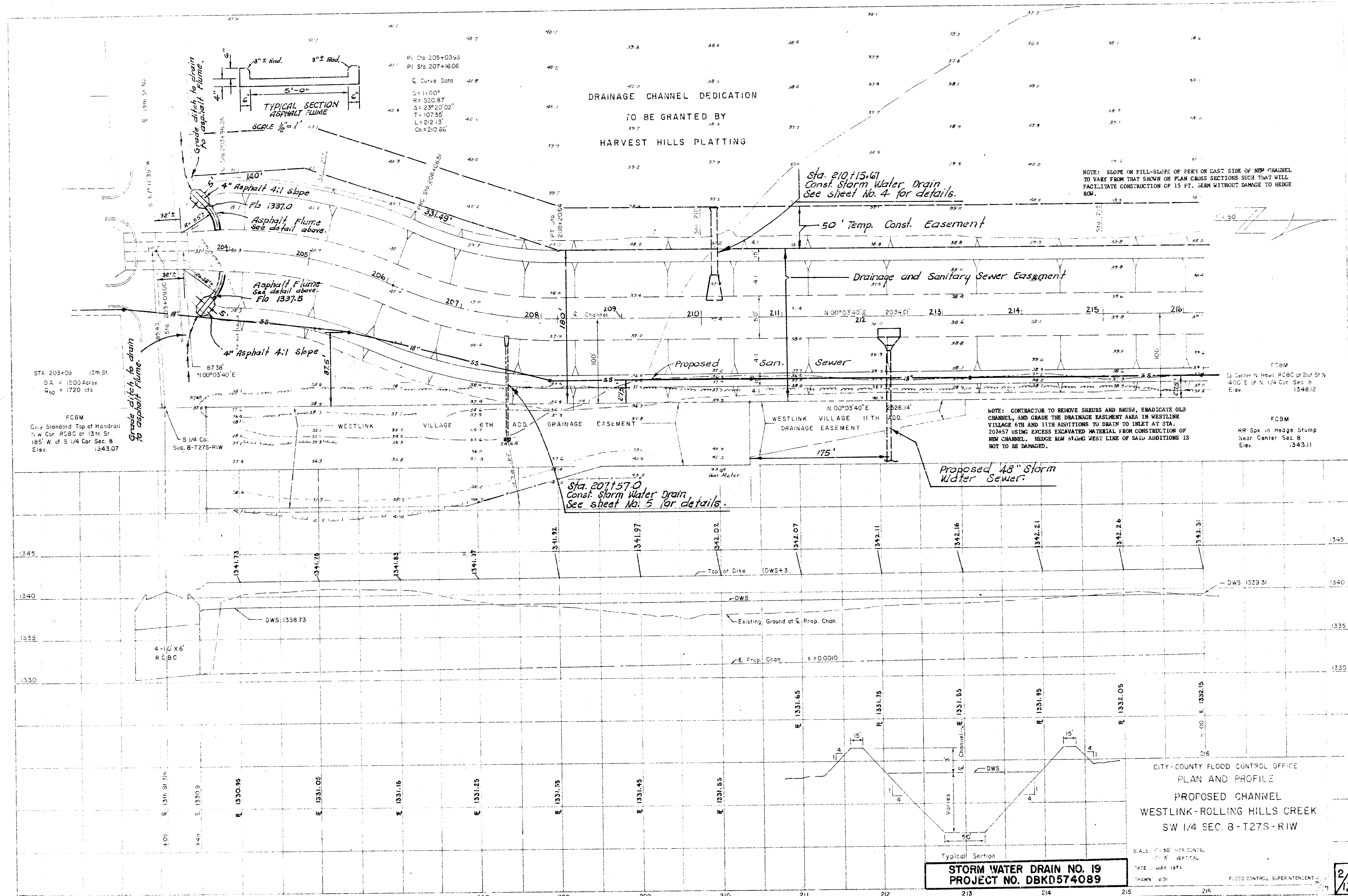
SEED SHALL BE MIXED NATIVE GRASS SEED AS SPECIFIED IN
SECTION 13 - 13 OF THE KANSAS STATE HIGHWAY STD SPECIFICATIONS.
(EDITION) 1966. MIXTURE SHALL BE PRAIRIE HAY. FERTILIZING,
SEEDING, AND MULCHING SHALL CONFORM TO SECTIONS H2, H5, H6
AND ALL OTHER RELATED SECTIONS OF THE 1966 STANDARD SPECIFICA-
TION 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.

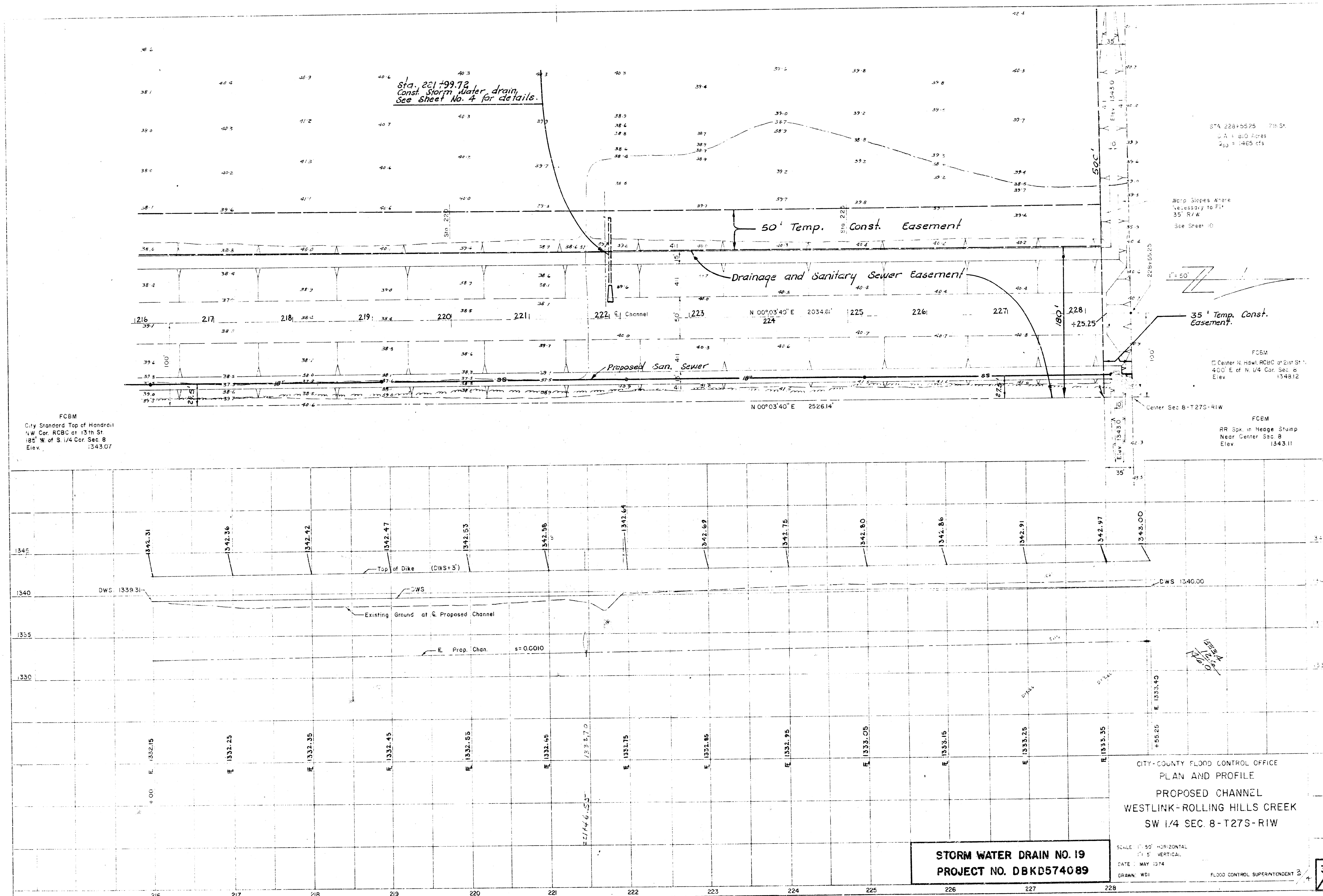
NOTE: THIS PROJECT SHALL BE COORDINATED WITH STORM WATER
SEWER #111 PROJECT AND MAIN 3, WESTLINE SEWER PROJECT.



As Built 4-21-78

STORM WATER DRAIN NO. 19
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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
2.00 = 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

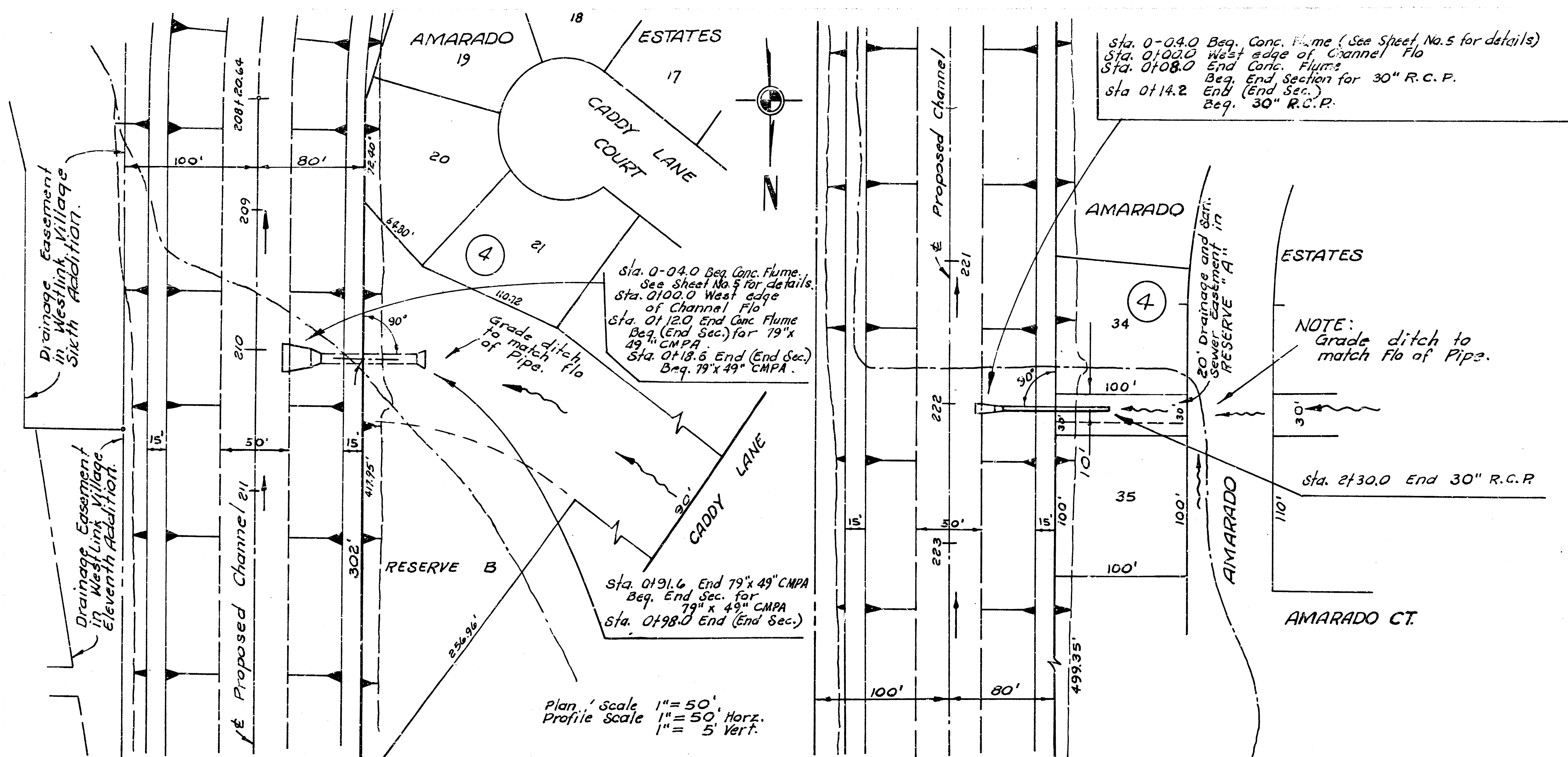
FCBM
RR Sp. in Hedge Stump
Near Center Sec. 8
Elev. 1343.11

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

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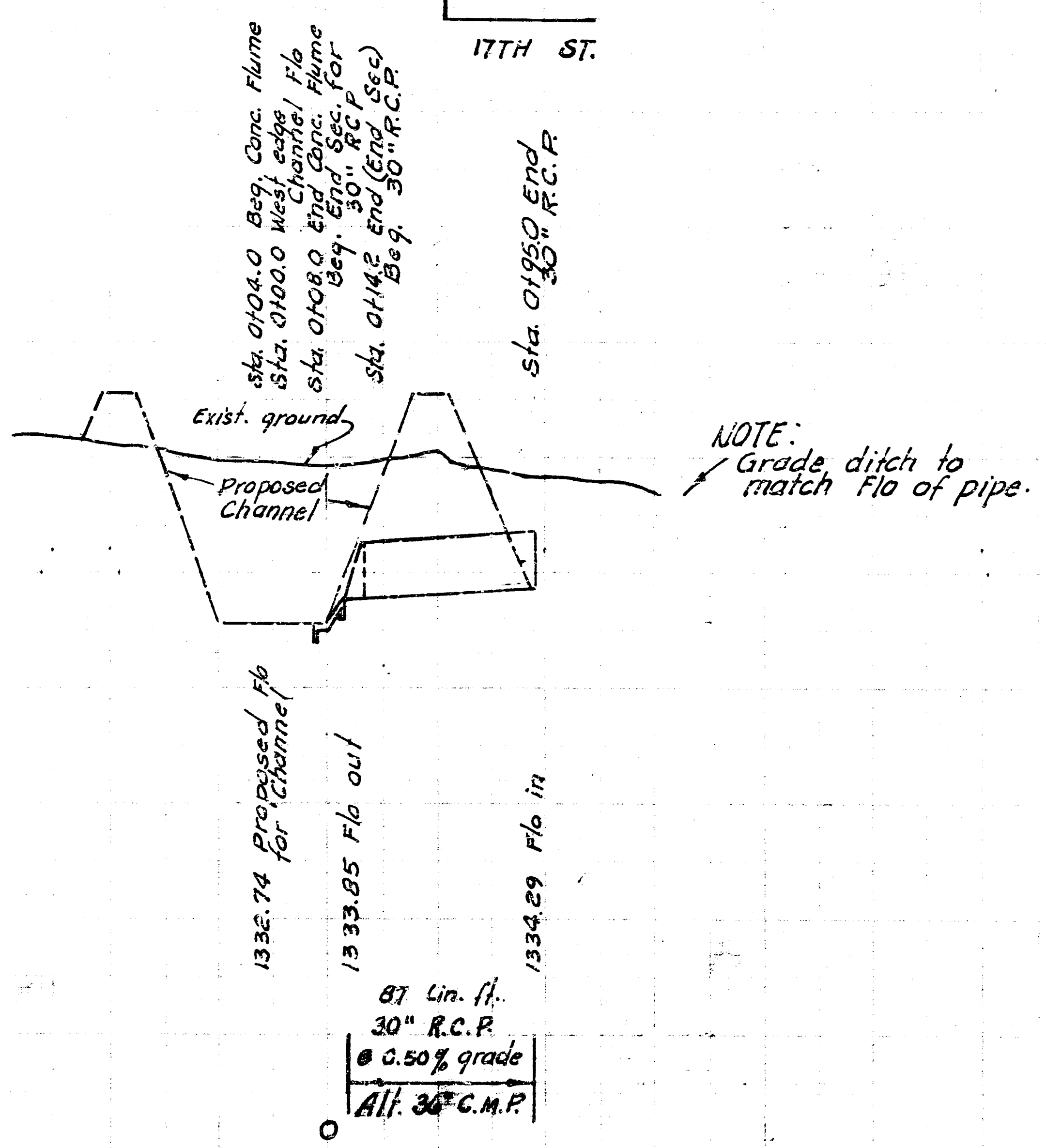
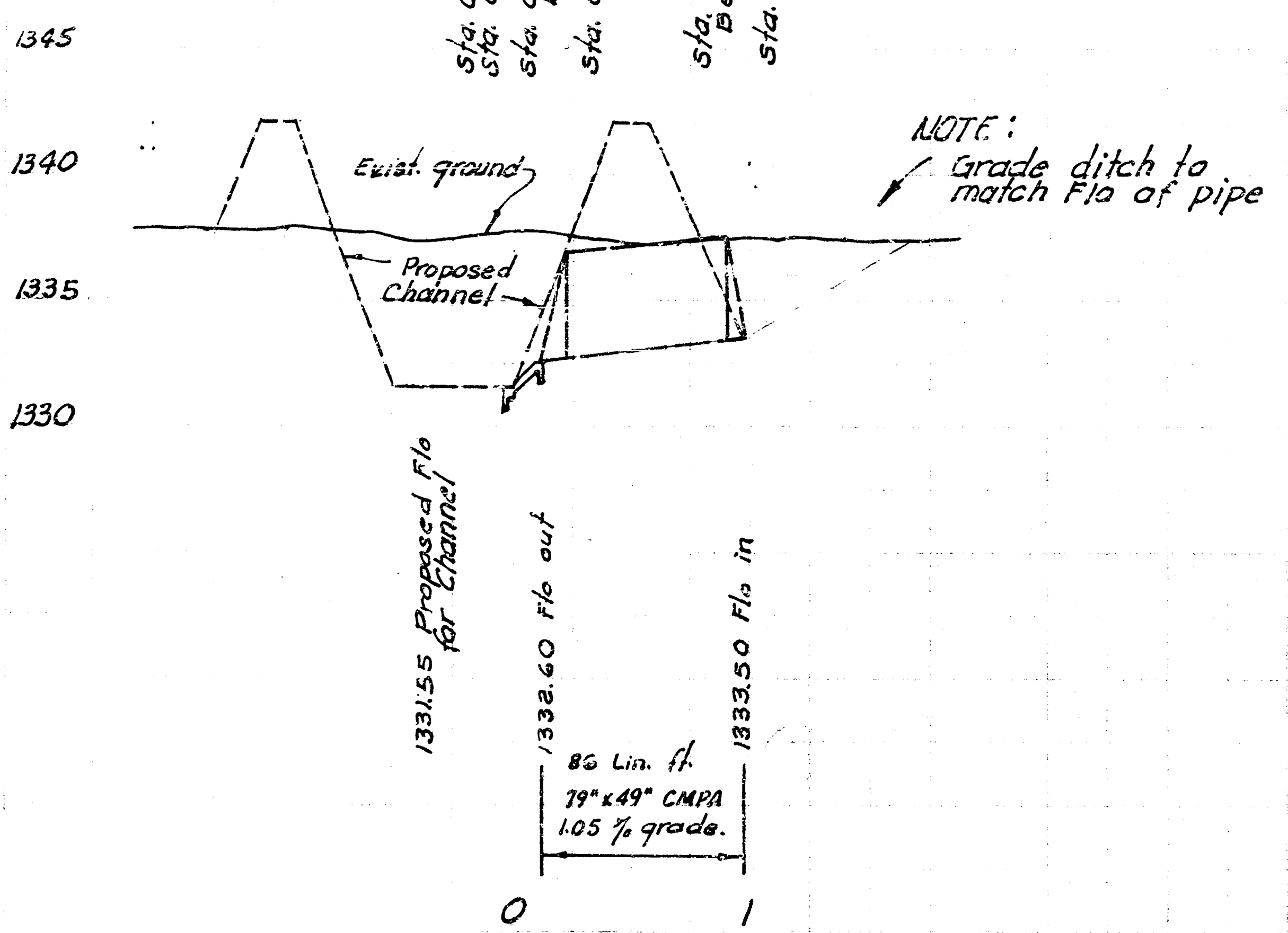
SCALE: 1"=50' HORIZONTAL
1"=5' VERTICAL
DATE: MAY 1974
DRAWN: WDI

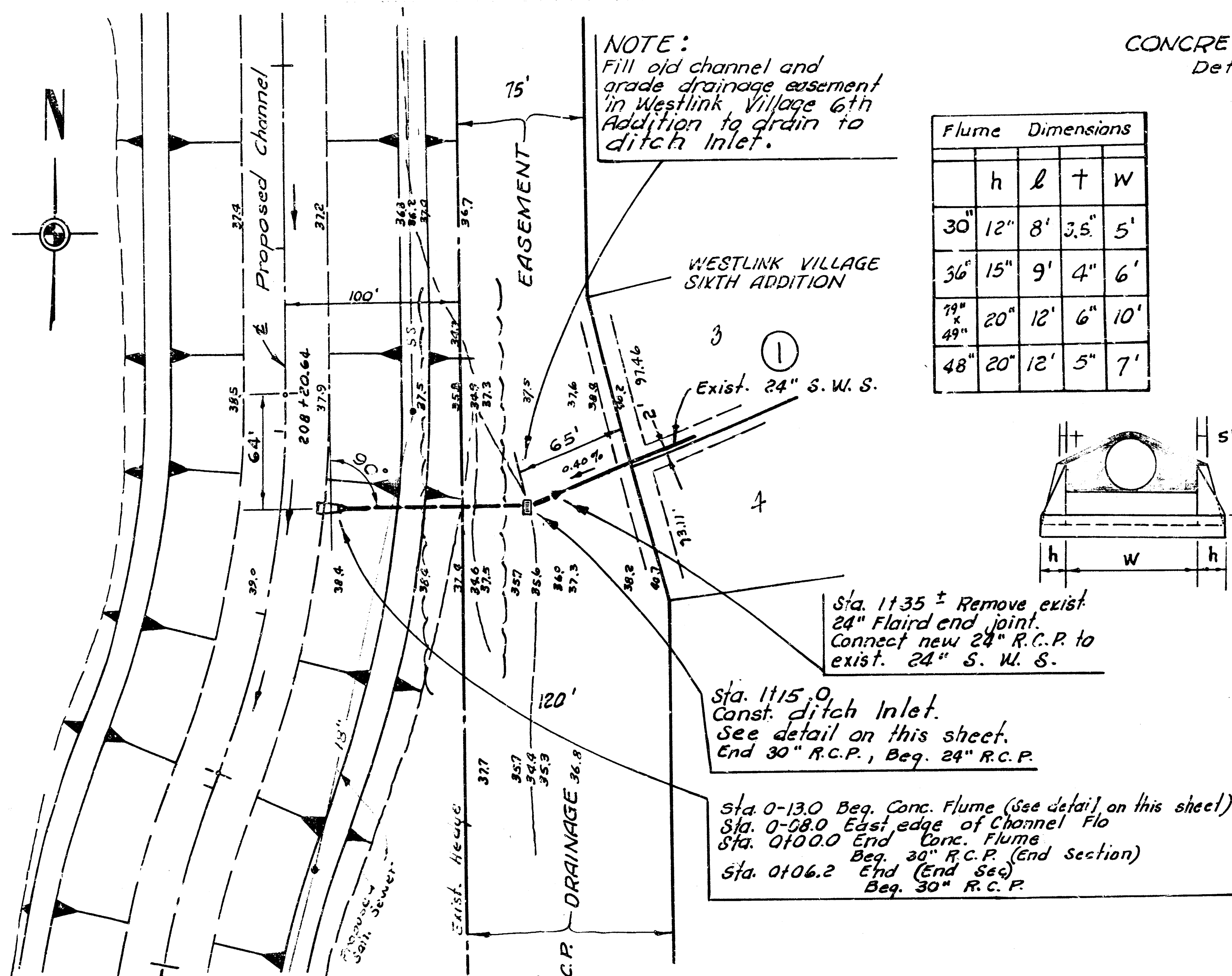
FLOOD CONTROL SUPERINTENDENT



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

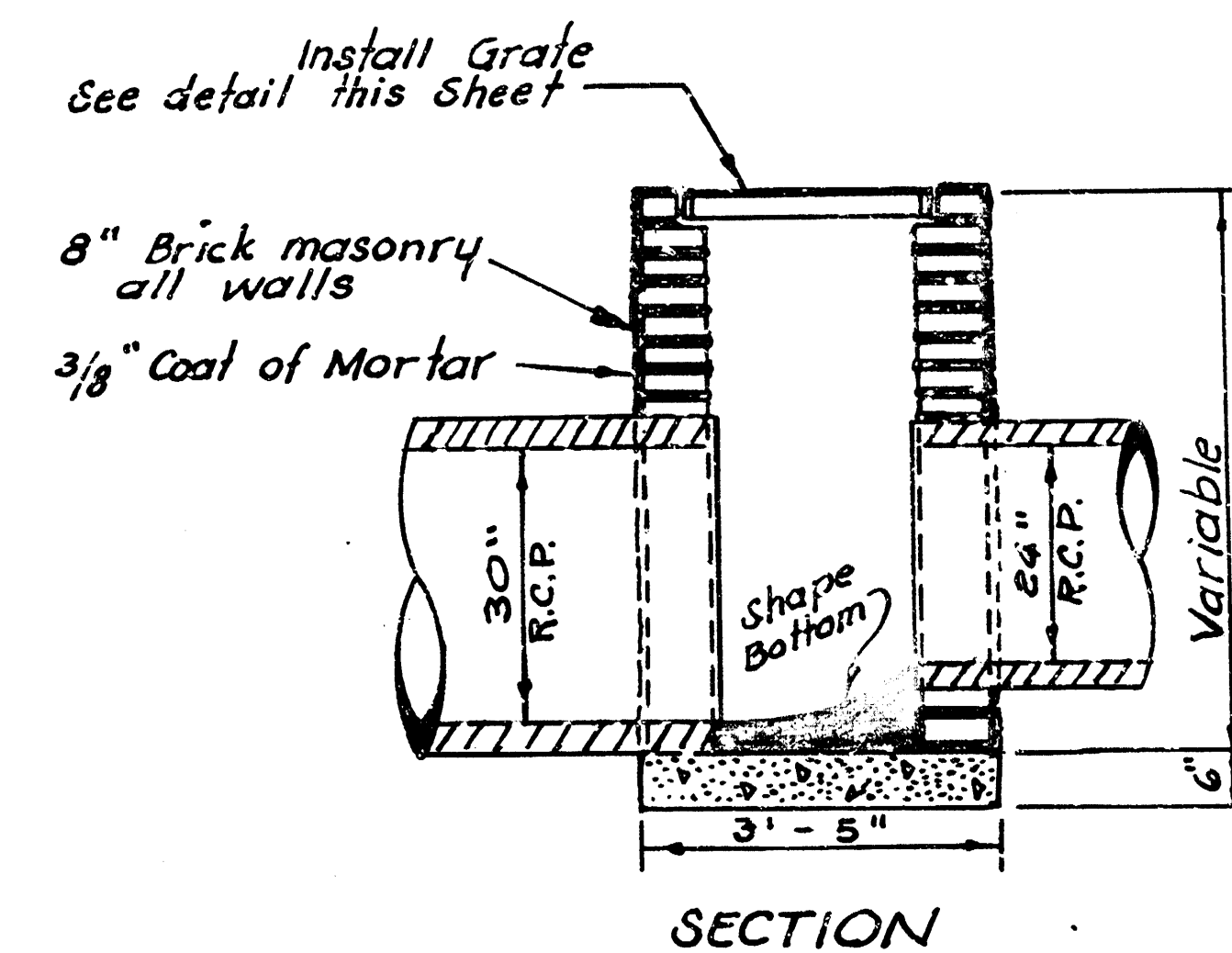
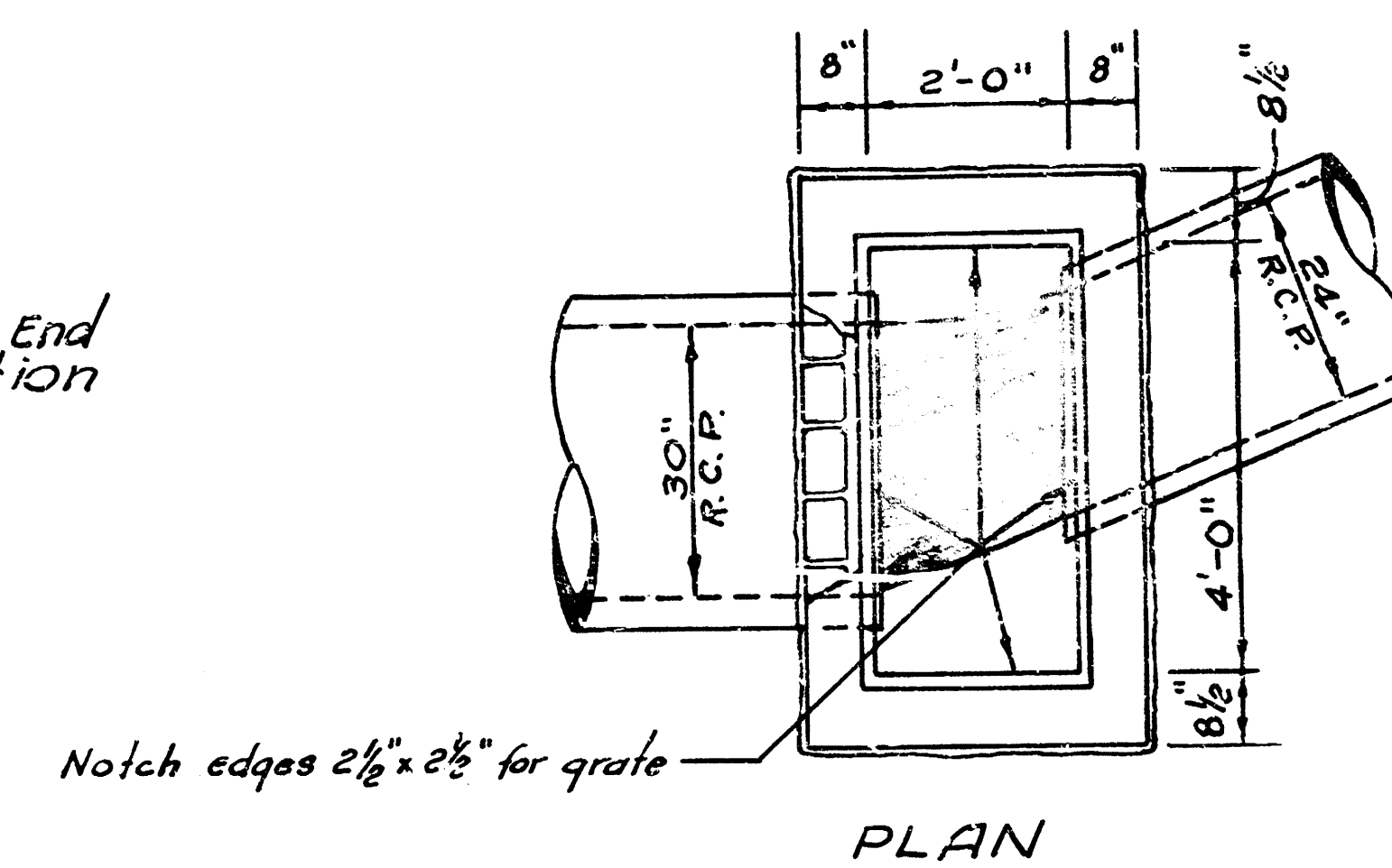
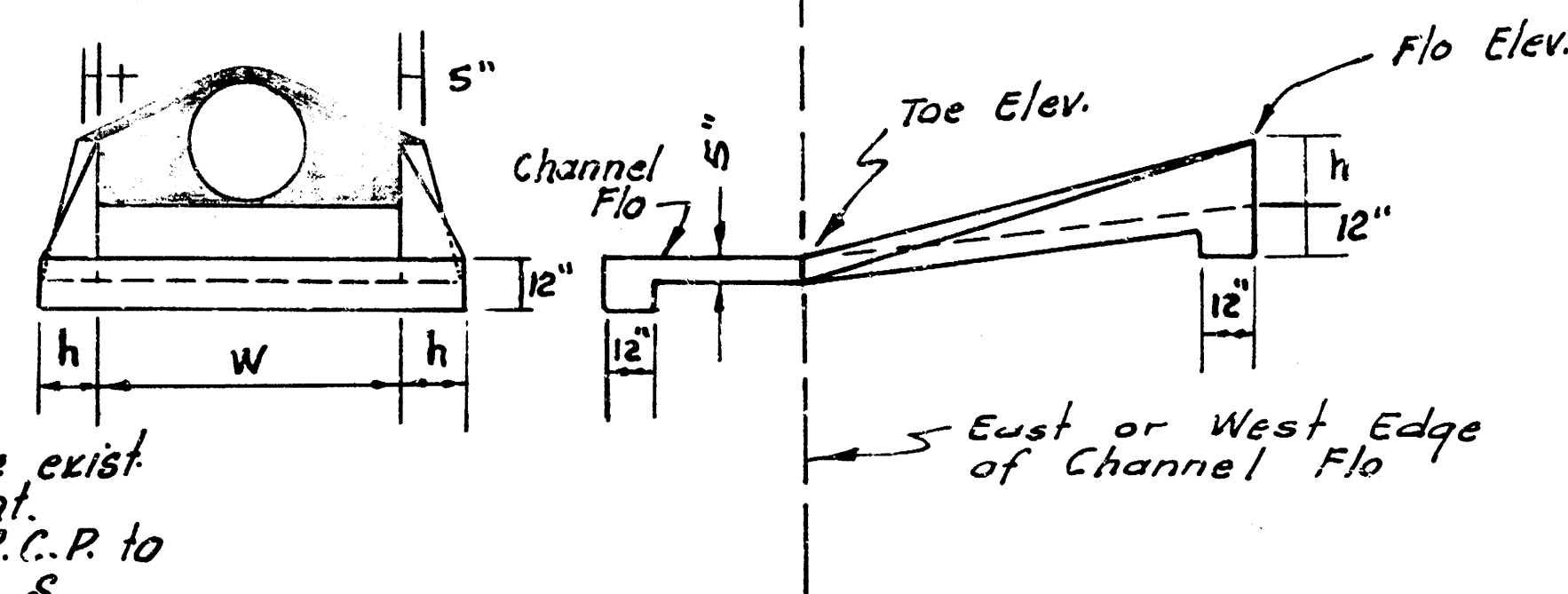
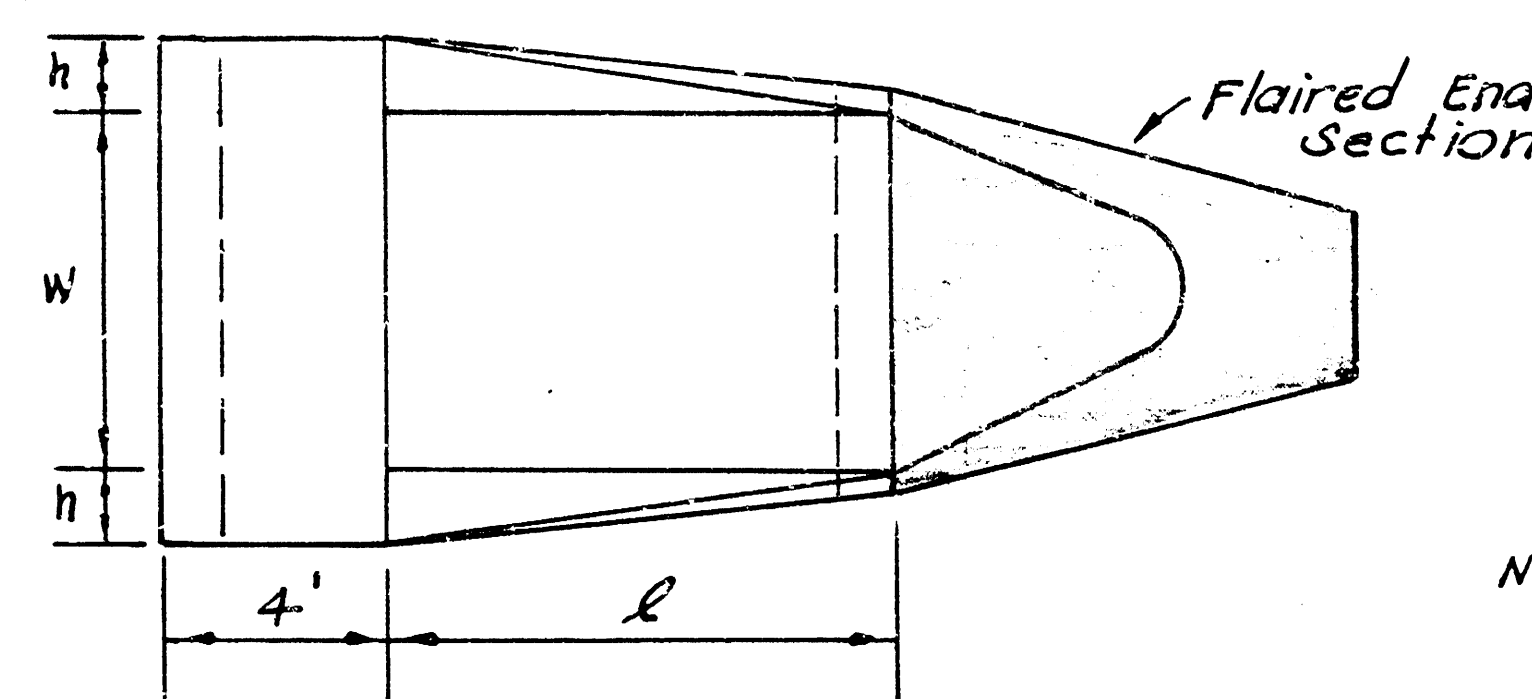
NOTE:
 See sheet No. 5
 for Concrete Flume
 details.



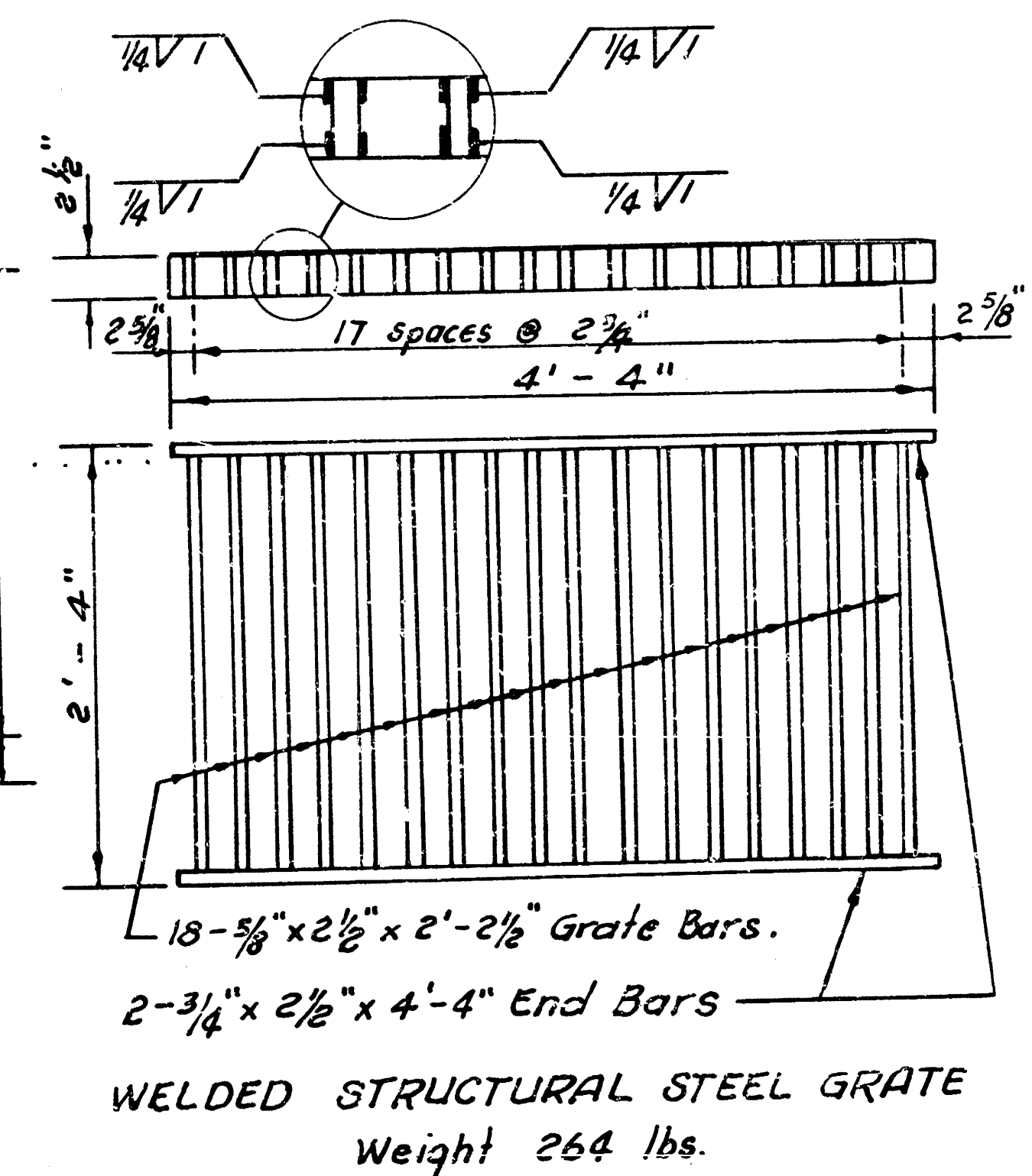


CONCRETE FLUME Detail

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

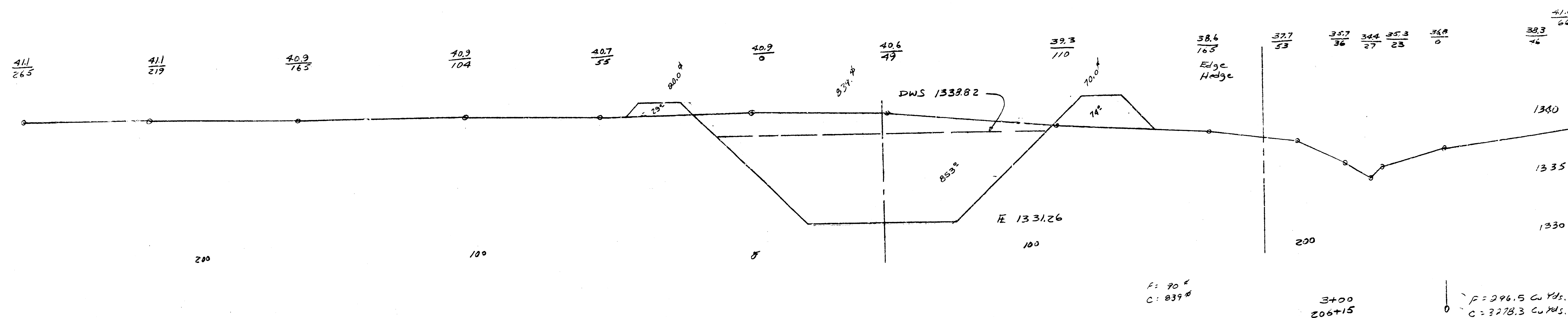
200

100

0

100

200

 $F = 90.4$
 $C = 839.4$ 3+00
206+15 $F = 296.5$ C.W.S.
 $C = 3778.3$ C.W.S.

1340

1335

1330

41.2
25041.2
19941.1
14741.1
9741.0
5040.9
039.6
9338.8
16238.5
6438.5
5838.1
3438.3
2438.6
2838.9
037.9
4641.5
71

DWS 1338.77

E 1331.16

 $F = 42.5$
 $C = 847.4$ 2+00
205+10 $F = 313.5$ C.W.S.
 $C = 3,400.1$ C.W.S.1341.6
27441.6
17441.1
9640.7
8240.3
038.9
7038.1
14737.6
6337.4
5236.5
20828.4
3037.3
038.6
3642.1
29

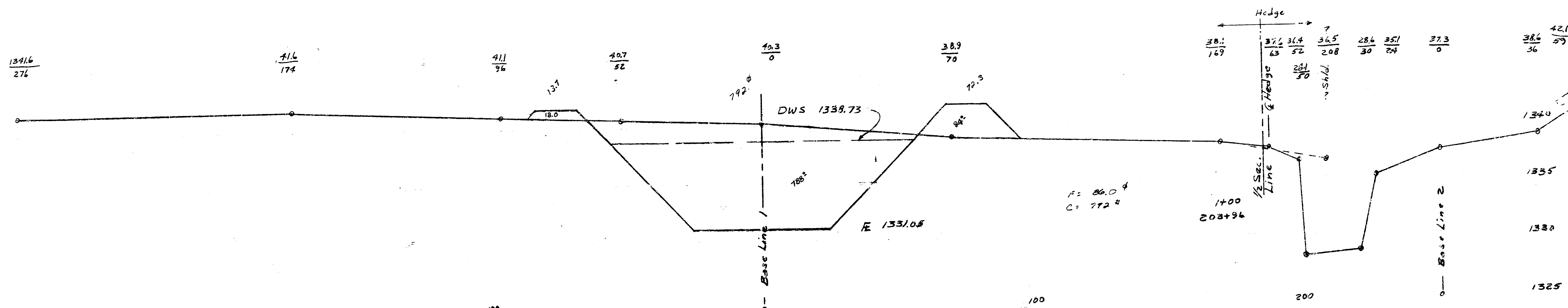
DWS 1338.73

E 1331.08

 $F = 86.0$
 $C = 772.4$ 1+00
203+94

1/2 Sec. Line

Base Line 2

STORM WATER DRAIN NO. 19
PROJECT NO. DCRD 574052

6/13/14

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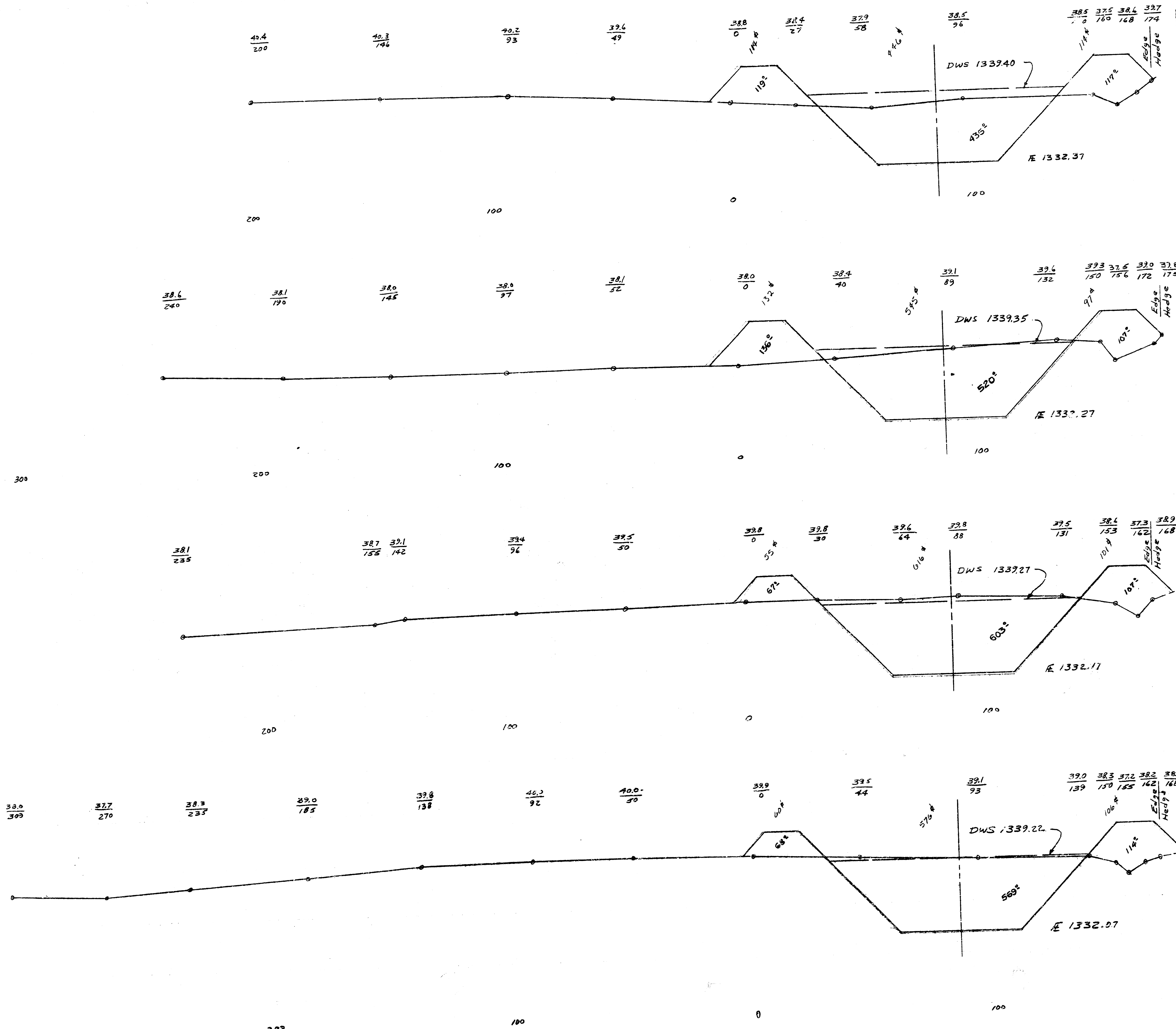
1335

1330

1340

1335

1330



F = 223 #
C = 846 #

19+00
217+20

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

200

F = 229 #
C = 545 #

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

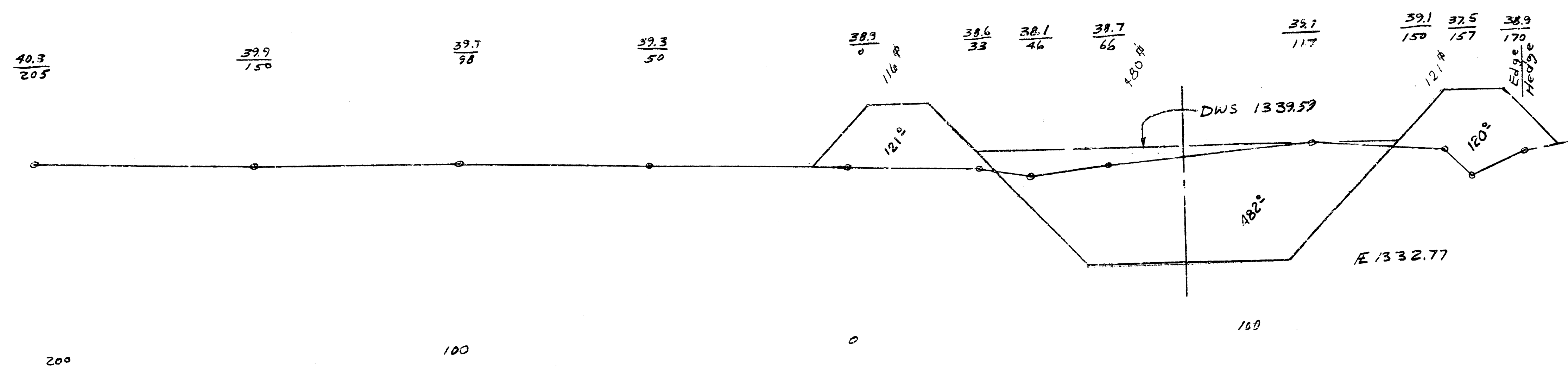
F = 166 #
C = 576 #

11+00
214+20

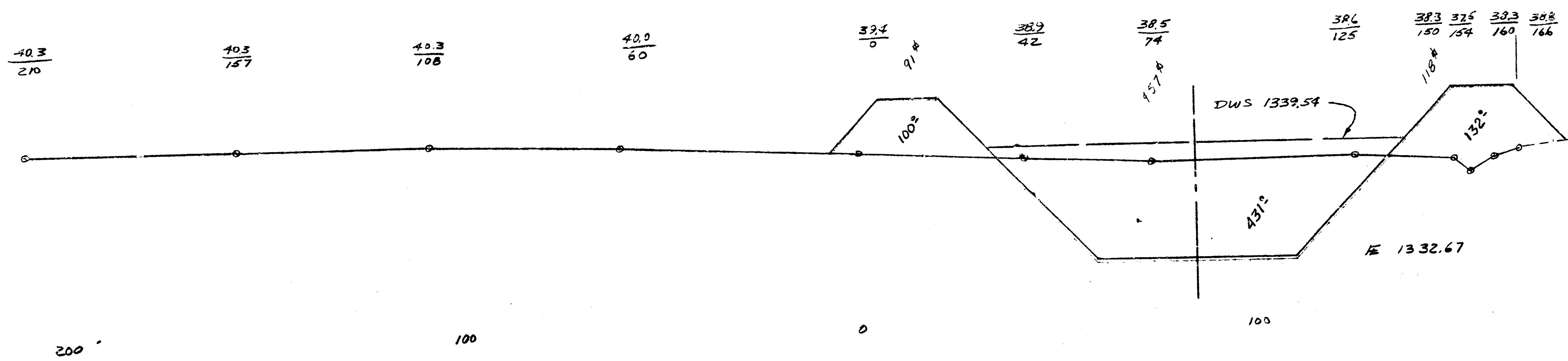
F = 718.5 Cu. Yds.
C = 2020.4 Cu. Yds.

200

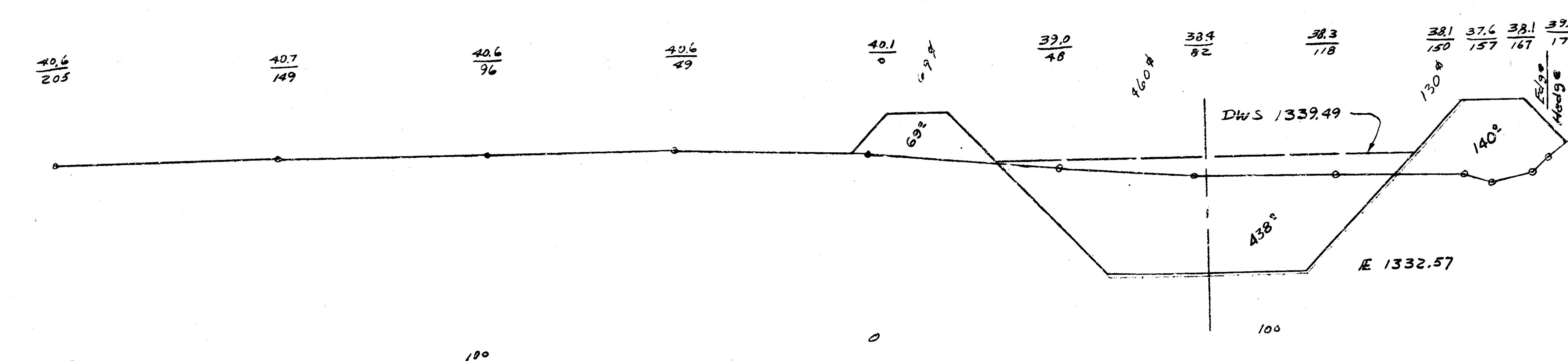
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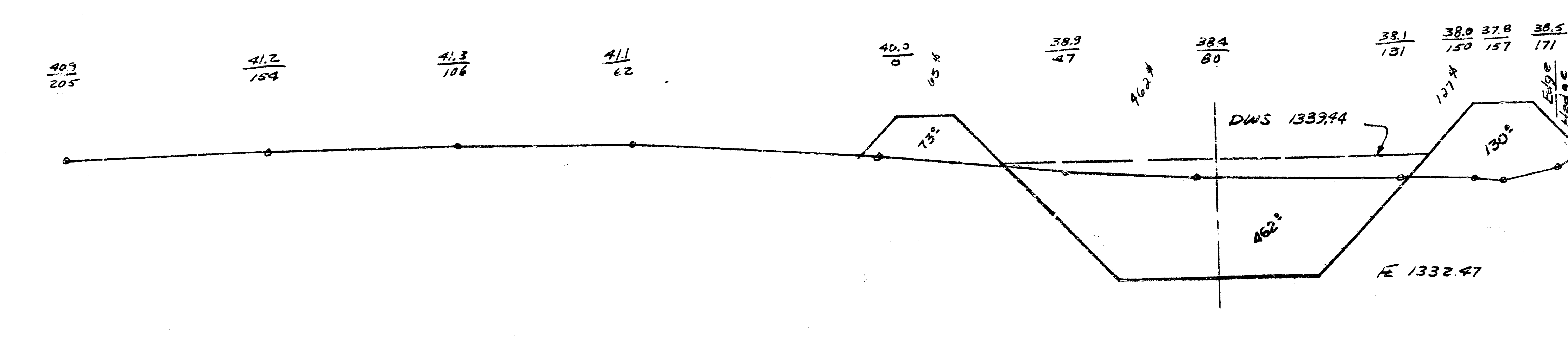
A: 237.5
C: 480.0
18+00
221+20
F: 825.9 Cu. Yds.
C: 1735.2 Cu. Yds.



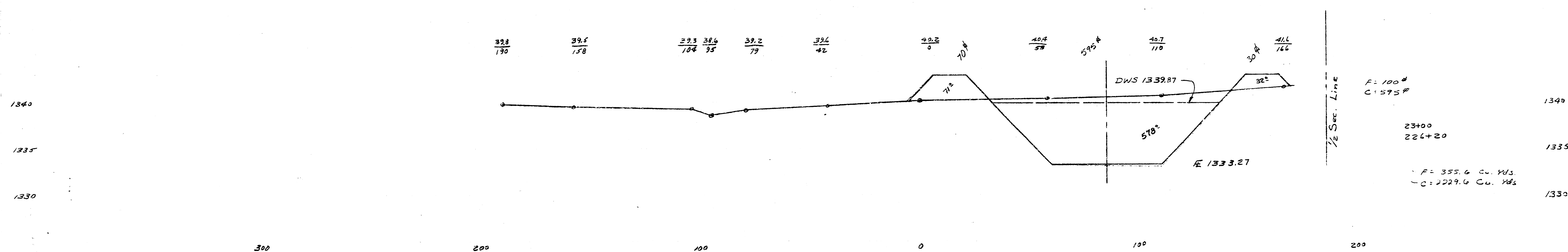
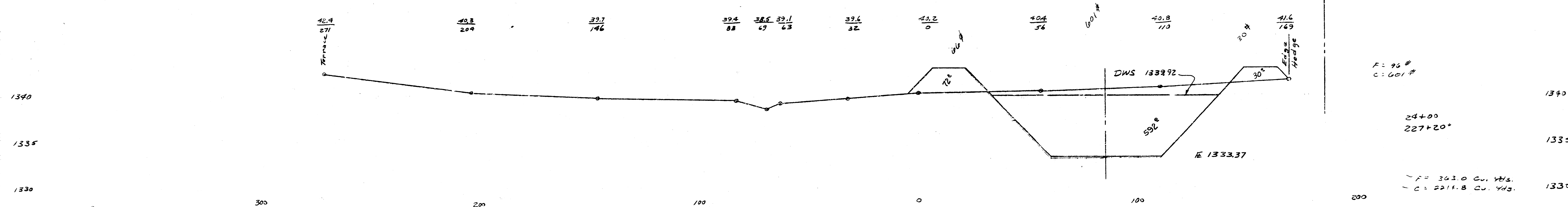
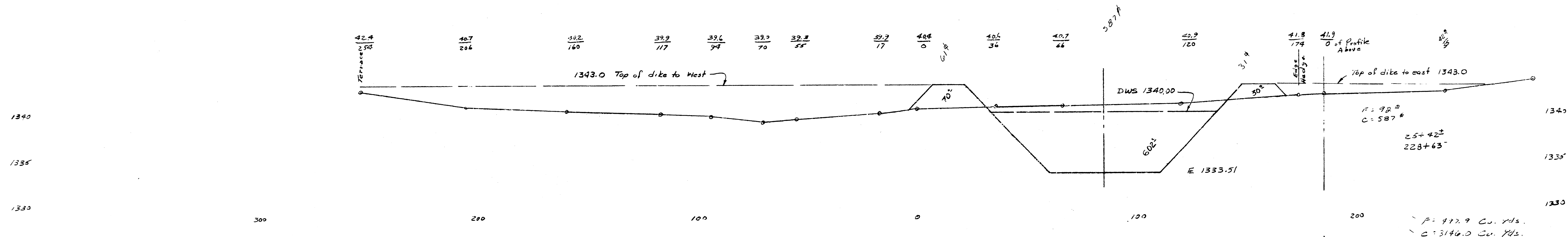
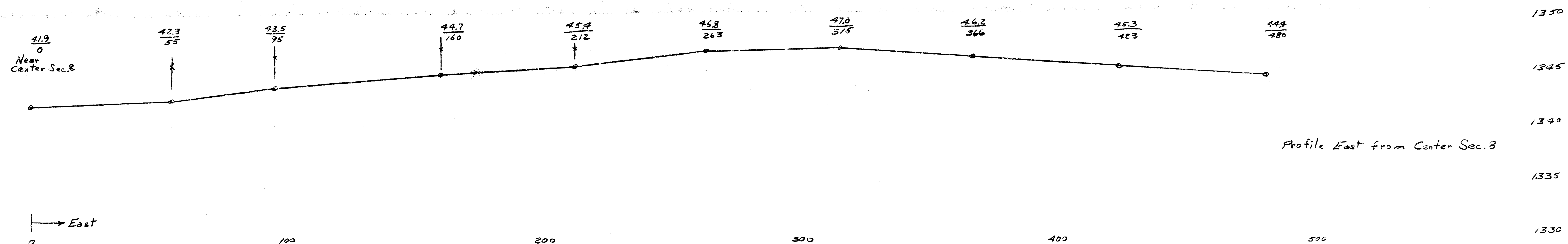
A: 209.4
C: 457.0
17+00
220+20
F: 755.6 Cu. Yds.
C: 1698.1 Cu. Yds.



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

93.5 x 50

145
Sta 1+00 West
140

74 x 20
17400.645 cu yds
27

145
Sta 1+00 East
140

15.5 x 50
150 x 20
130.5 = 48 cu yds
27

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

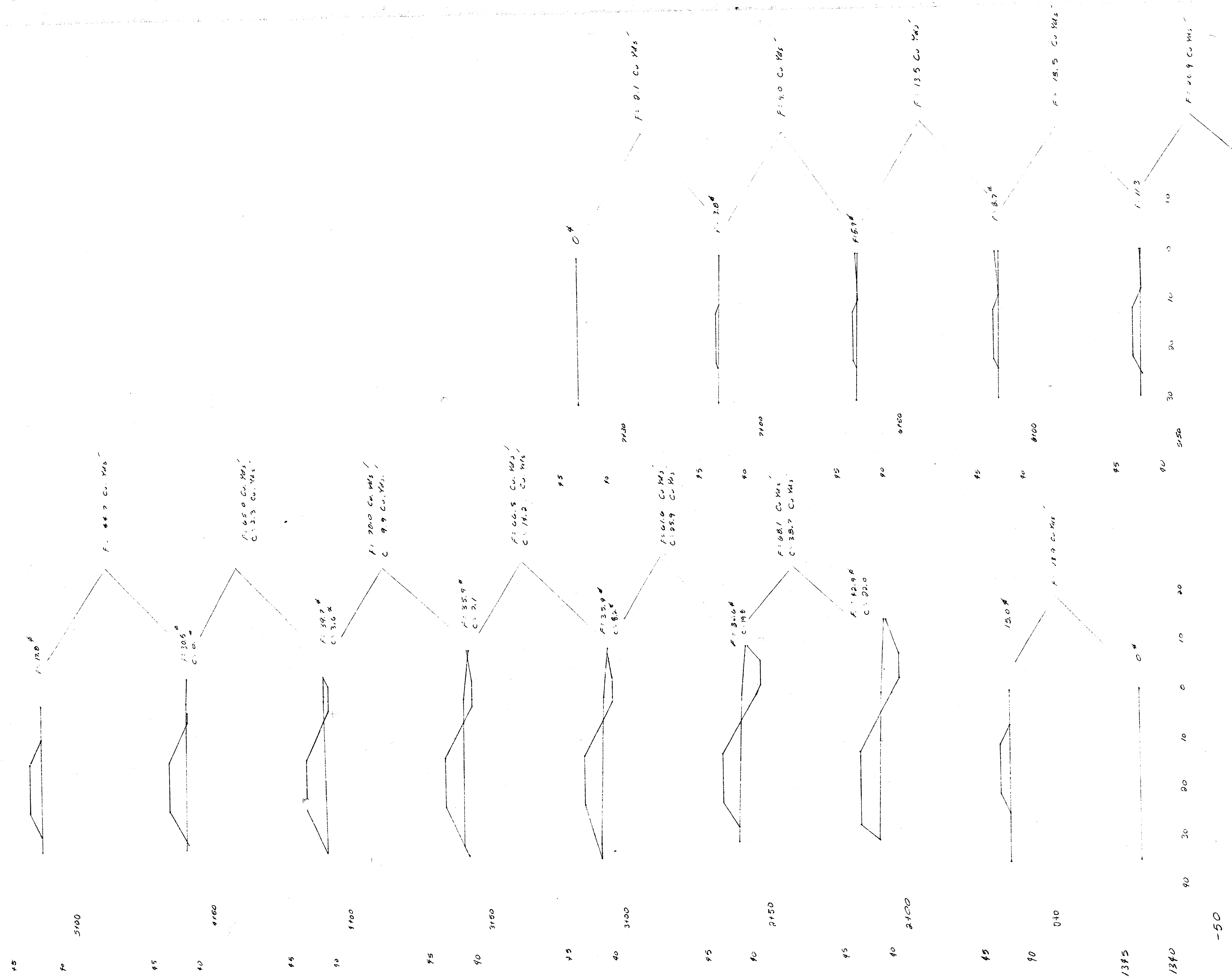
Wing Levee, East & West
West Link-Bellings Tributary
Cowardin Creek

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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F. 11	159.8	Cu. Yds.
Cut	92.0	Cu. Yds.

LEVEE AREA
Prelim. & Final Cross Sections