

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

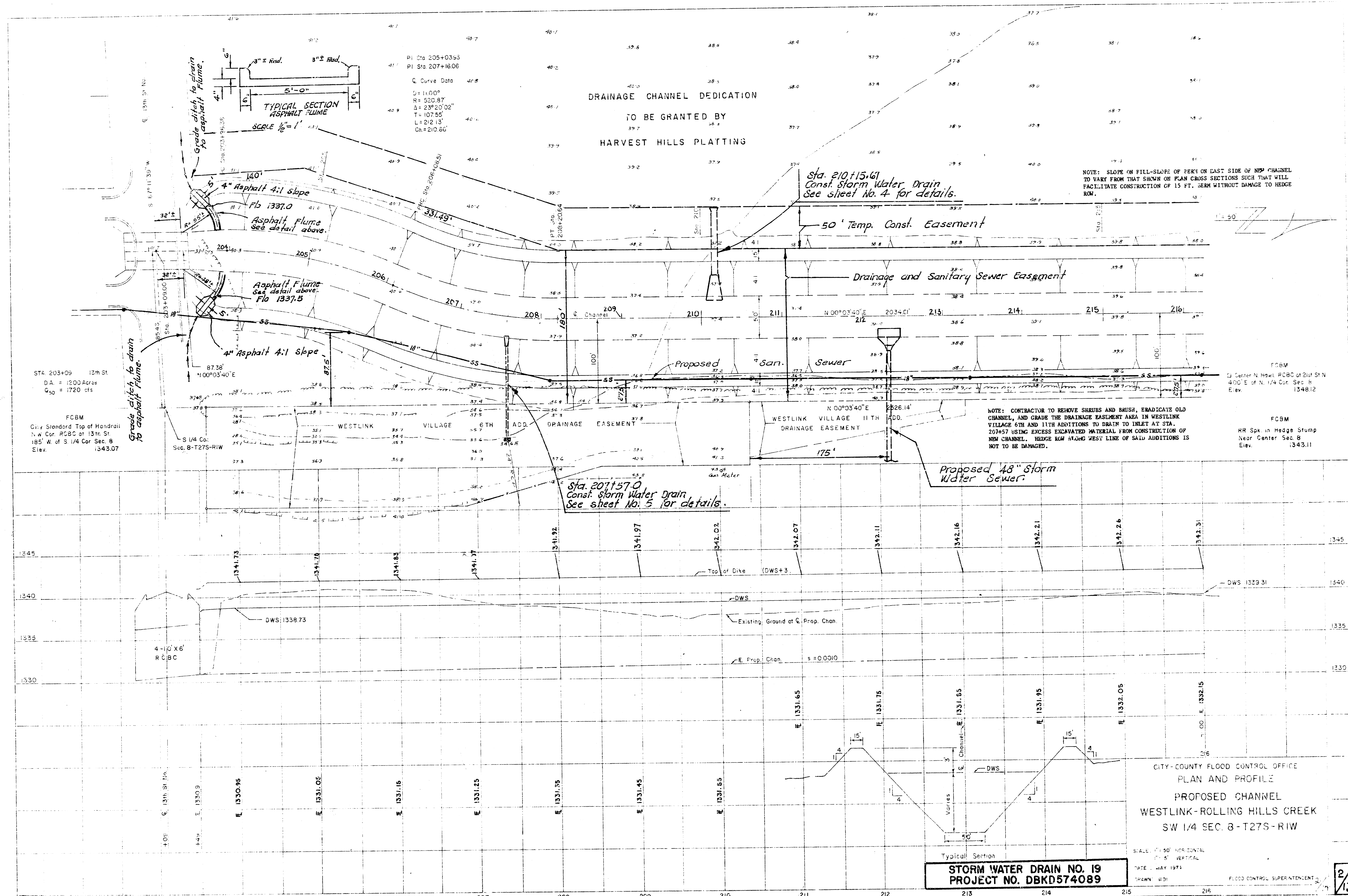
SEED SHALL BE MIXED NATIVE GRASS SEED AS SPECIFIED IN
SECTION 13 - 13 OF THE KANSAS STATE HIGHWAY STD SPECIFICATIONS.
(EDITION) 1966. MIXTURE SHALL BE PRAIRIE HAY. FERTILIZING,
SEEDING, AND MULCHING SHALL CONFORM TO SECTIONS H2, H5, H6
AND ALL OTHER RELATED SECTIONS OF THE 1966 STANDARD SPECIFICA-
TION 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
PROJECT NO. DBKD 574089 1/13



DRAINAGE CHANNEL DEDICATION
TO BE GRANTED BY
HARVEST HILLS PLATTING

Sta. 210+15.61
Const. Storm Water Drain
See Sheet No. 4 for details.

50' Temp. Const. Easement

Drainage and Sanitary Sewer Easement

Proposed San. Sewer

WESTLINK VILLAGE 11TH ADD. DRAINAGE EASEMENT

Proposed 48" Storm Water Sewer

Sta. 207+57.0
Const. Storm Water Drain
See Sheet No. 5 for details.

NOTE: CONTRACTOR TO REMOVE SHRUBS AND BRUSH, ERADICATE OLD CHANNEL, AND GRADE THE DRAINAGE EASEMENT AREA IN WESTLINK VILLAGE 6TH AND 11TH ADDITIONS TO DRAIN TO INLET AT STA. 207+57 USING EXCESS EXCAVATED MATERIAL FROM CONSTRUCTION OF NEW CHANNEL. HEDGE ROW ALONG WEST LINE OF SAID ADDITIONS IS NOT TO BE DAMAGED.

NOTE: SLOPE ON FILL-SLOPE OF PERTON EAST SIDE OF NEW CHANNEL TO VARY FROM THAT SHOWN ON PLAN CROSS SECTIONS SUCH THAT WILL FACILITATE CONSTRUCTION OF 15 FT. BERM WITHOUT DAMAGE TO HEDGE ROW.

STA. 203+09 12th St.
D.A. = 1200 Acres
Q₅₀ = 1720 cfs
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. Hwyl. RCB at 21st St.
400' E. of N 1/4 Cor. Sec. 8
Elev. 1348.12

FCBM
RR Spk. 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-R1W

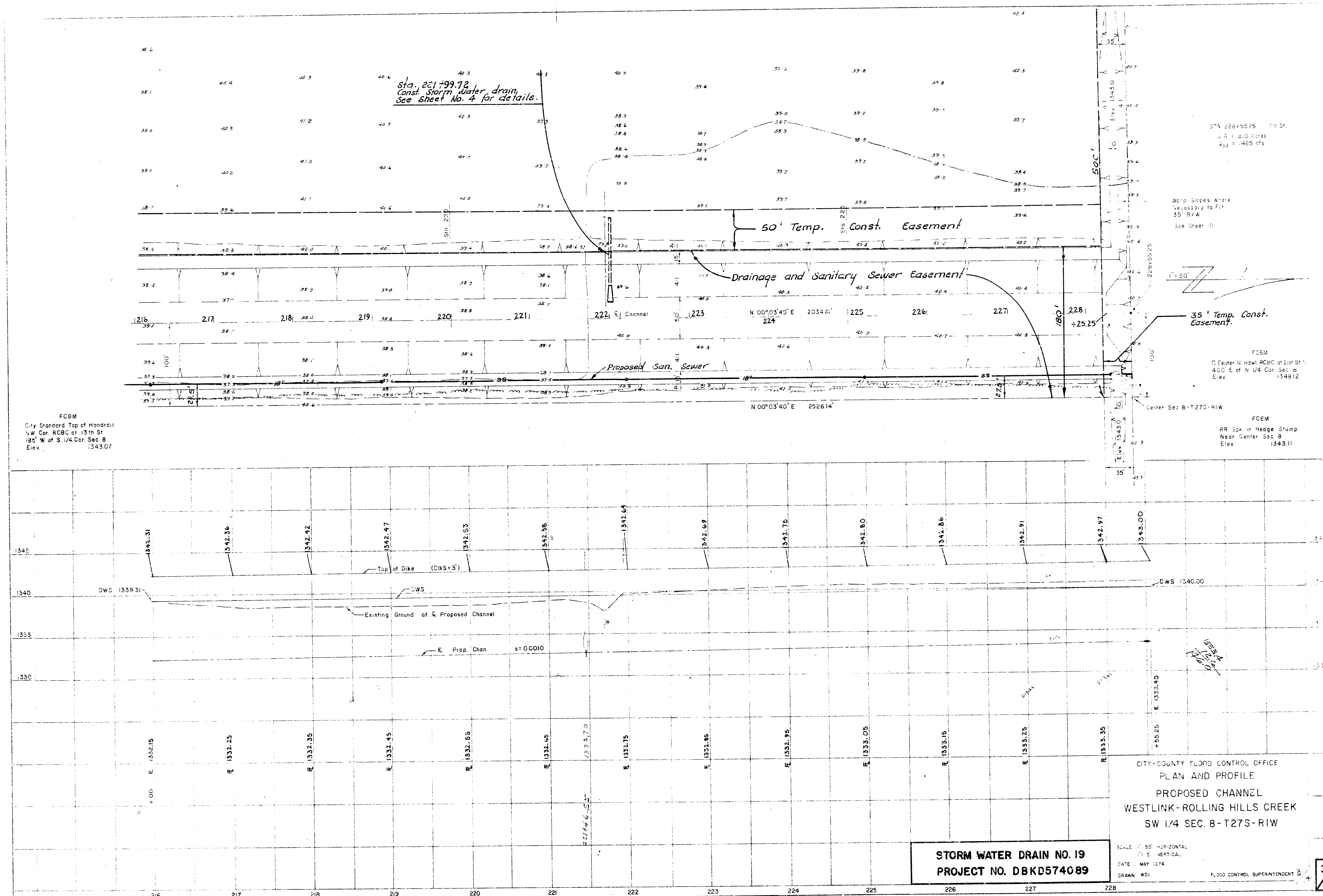
STORM WATER DRAIN NO. 19
PROJECT NO. DBKD574089

SCALE: 1" = 50' HORIZONTAL
1" = 5' VERTICAL

DATE: MAY 1972

DRAWN: WDI

FLOOD CONTROL SUPERINTENDENT



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

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

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

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

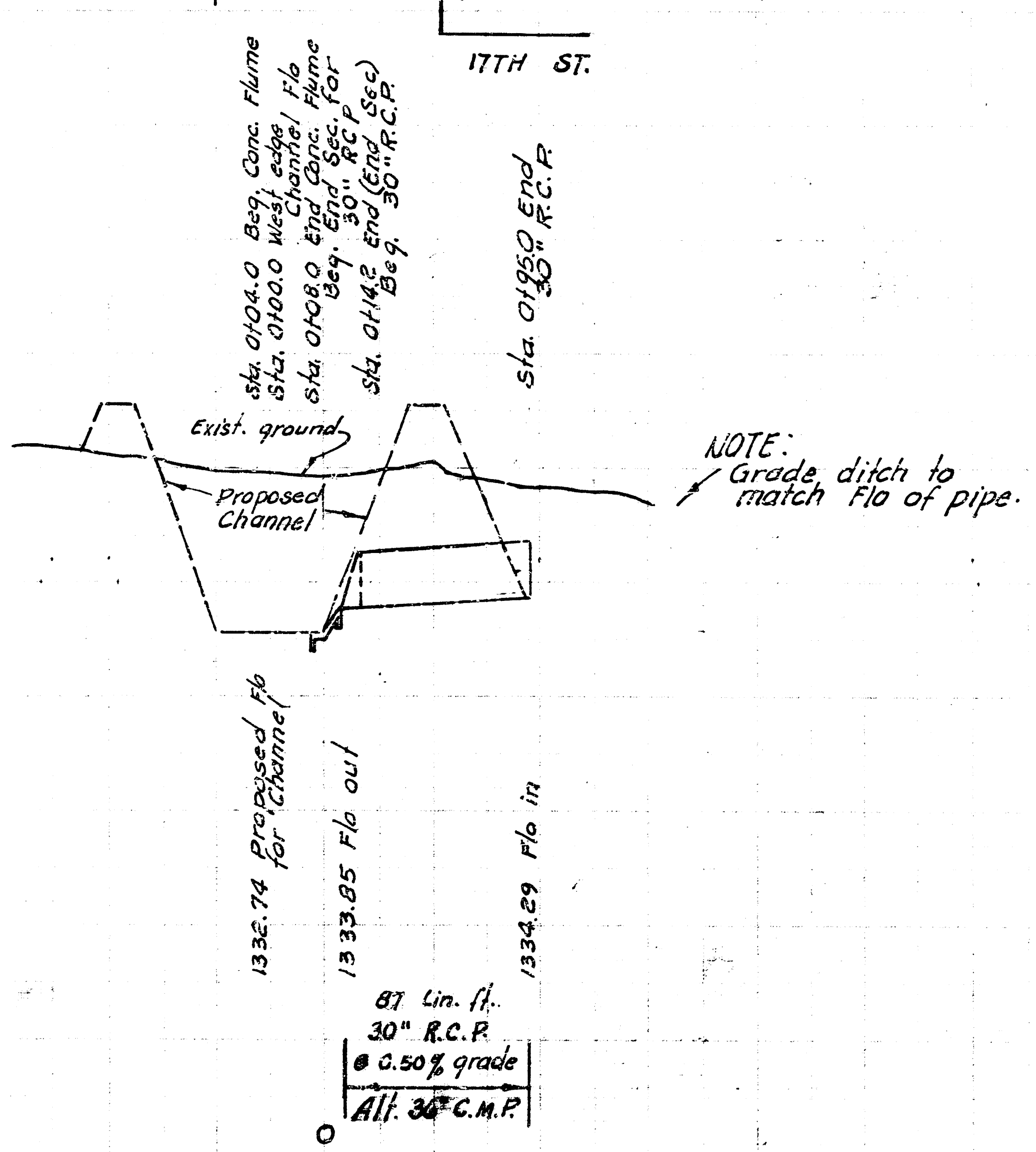
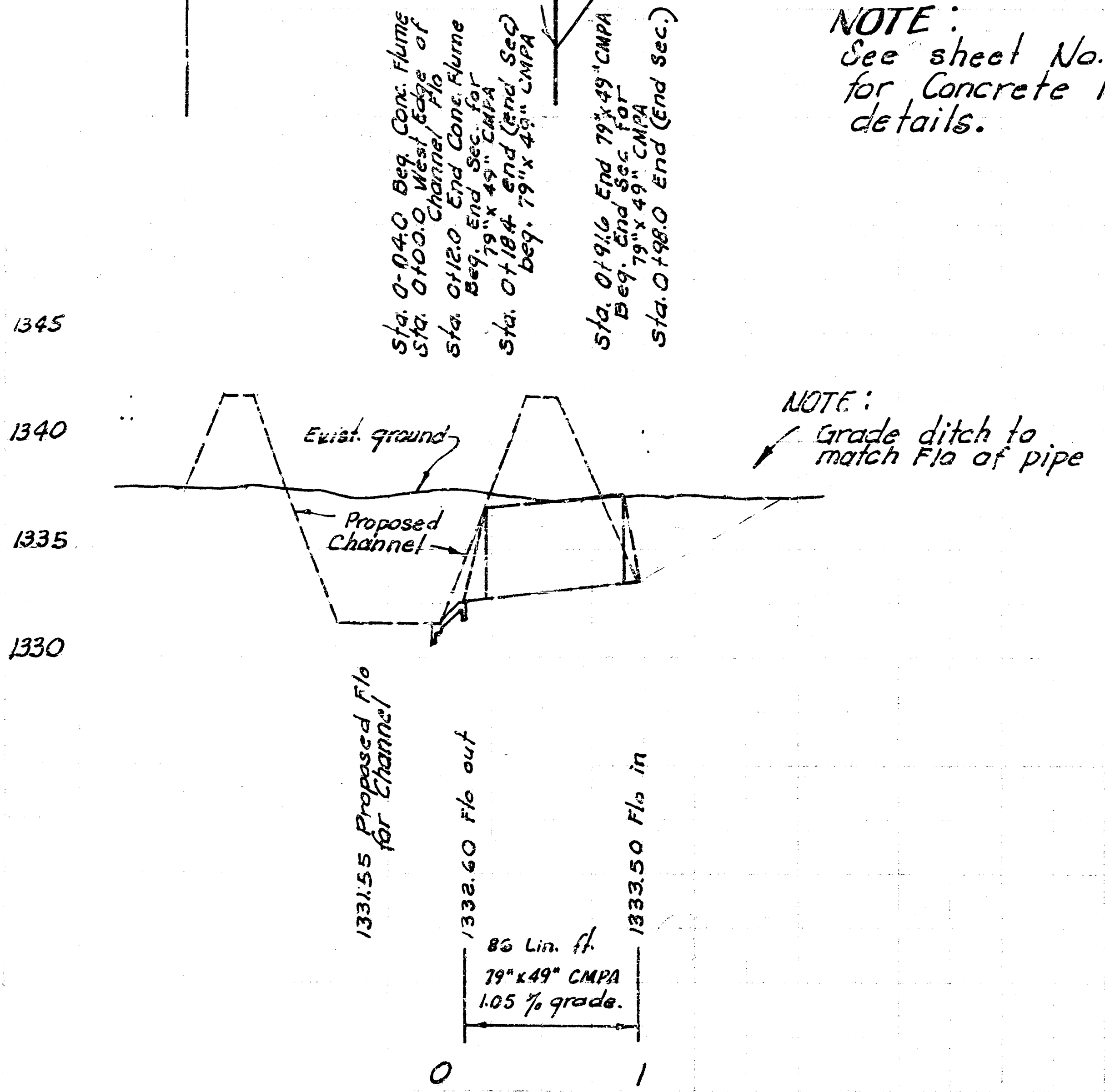
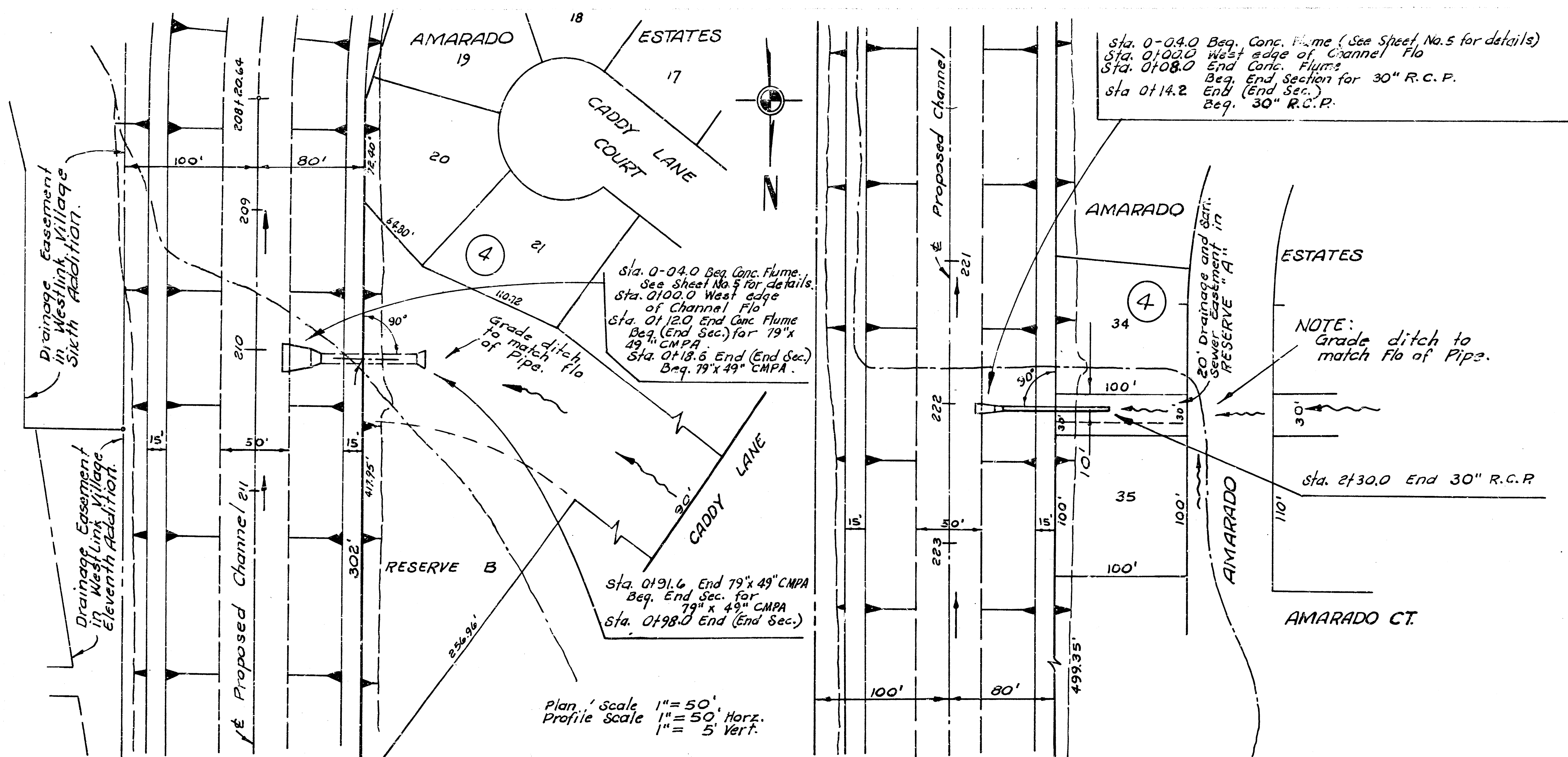
FCBM
RR Sp. in Hedge Stump
Near Center Sec. 8
Elev. 1343.11

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



1340

1335

1330

300

200

100

0

100

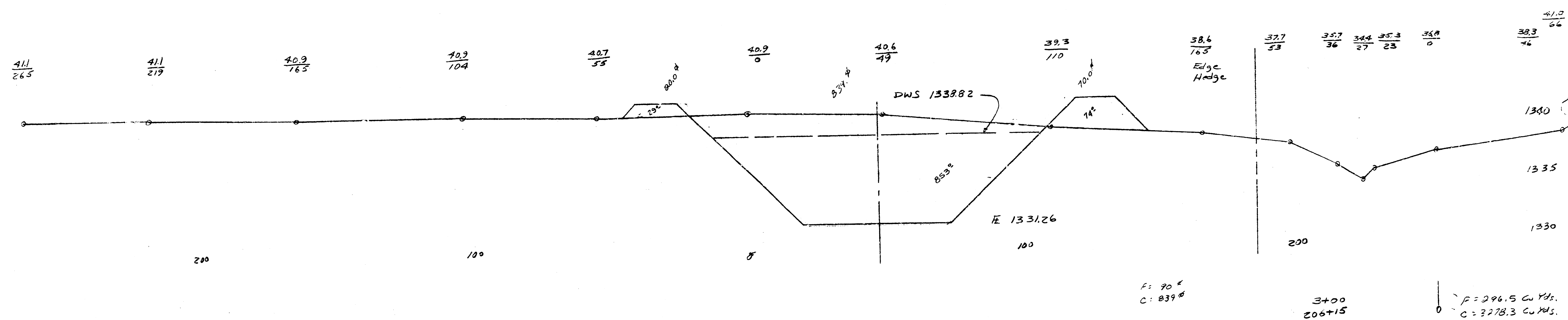
200

1330

F = 90.4
C = 839.4

3+00
206+15

F = 296.5 C.W.H.
C = 3778.3 C.W.H.



1340

1335

1330

41.2
250

41.2
199

41.1
147

41.1
97

41.0
50

40.9
0

39.3
93

38.8
162

38.5
64

38.5
58

38.1
34

38.3
24

38.9
0

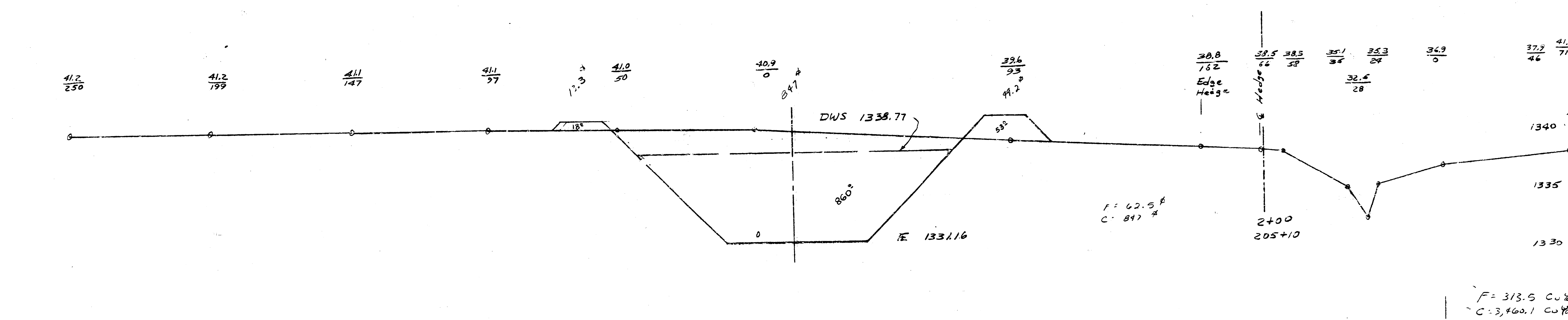
37.9
46

41.5
71

F = 42.5
C = 847.4

2+00
205+10

F = 313.5 C.W.H.
C = 3,400.1 C.W.H.



1340

1335

1330

300

200

100

0

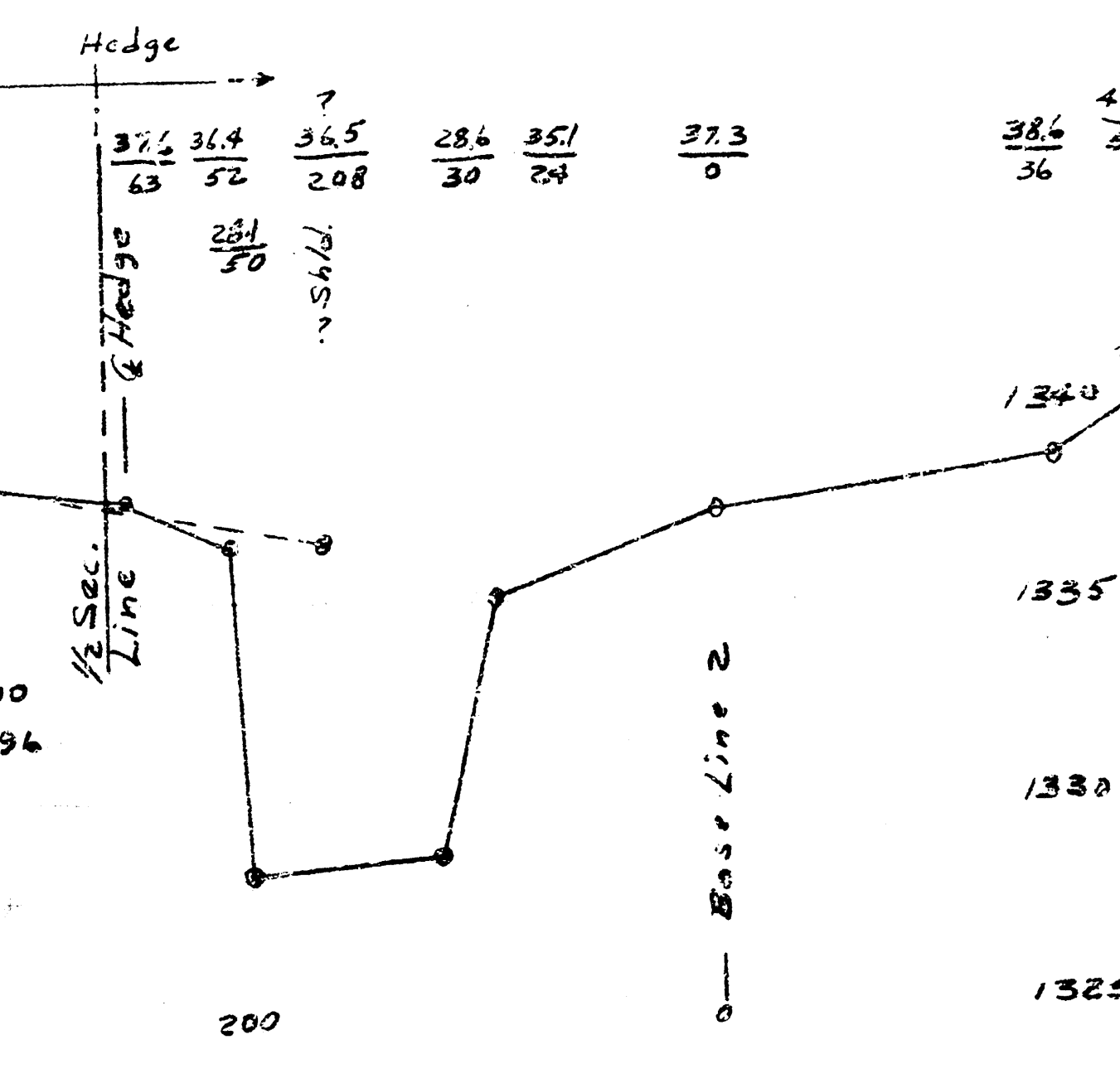
100

200

1325

F = 86.0
C = 772.4

1+00
203+94



1340

1335

1330

1340

1335

1330

1340

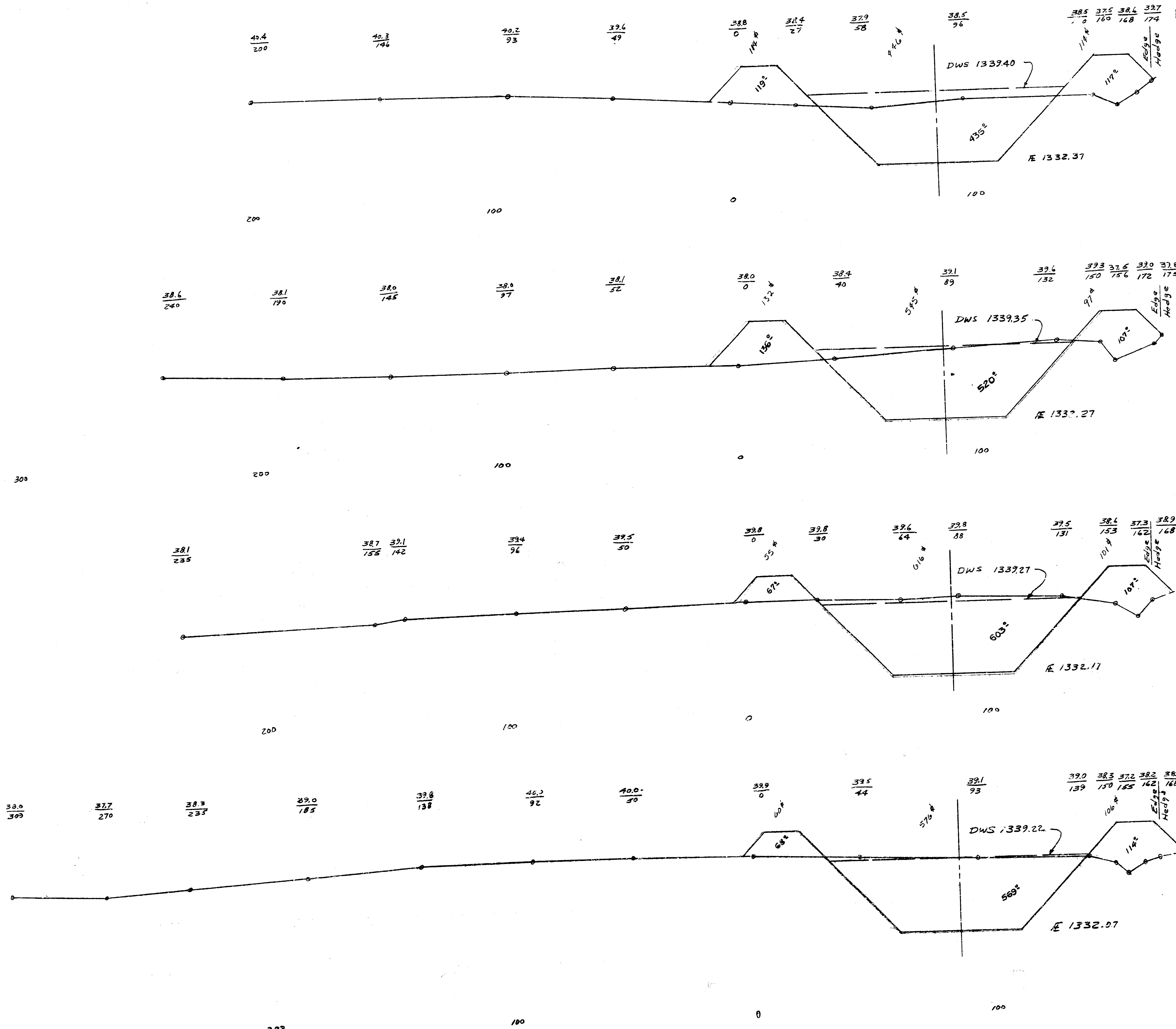
1335

1330

1340

1335

1330



F = 228 #
C = 846 #

19+00
217+20

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

F = 229 #
C = 845 #

13+00
216+20

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

F = 136 #
C = 616 #

12+00
215+20

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

F = 166 #
C = 576 #

11+00
214+20

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

STORM WATER DRAIN NO. 10
PROJECT NO. DBN 057-039

9/14/10

1340

1335

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1340

1335

1330

1340

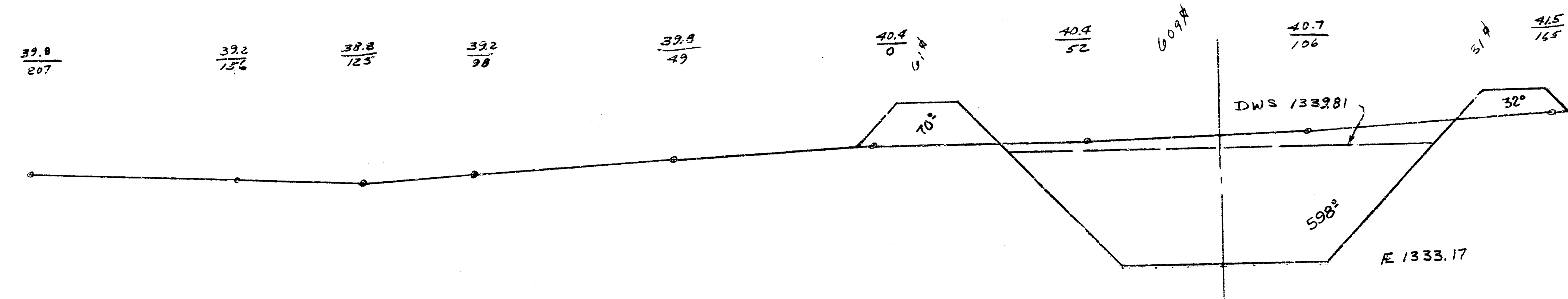
1335

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1335

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$F = 92 \text{ ft}$
 $C = 604 \text{ ft}$

1340

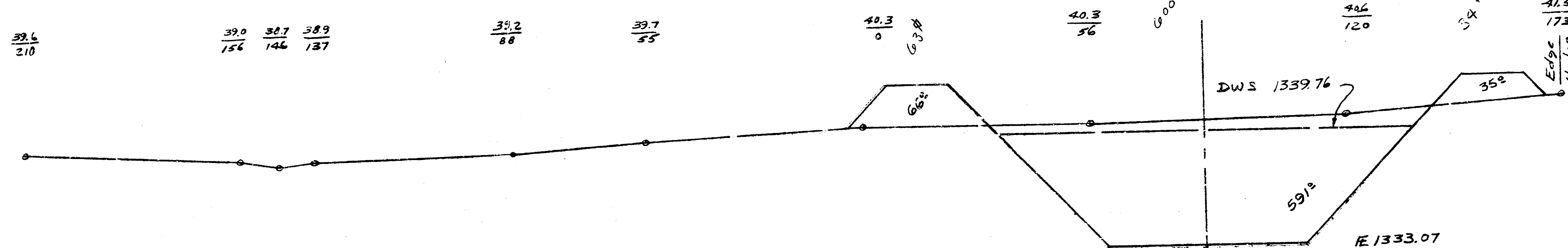
22+00
 225+20

1335

$F = 350.0 \text{ Cu Yds}$
 $C = 2258.9 \text{ Cu Yds}$

1330

200



$F = 97 \text{ ft}$
 $C = 600 \text{ ft}$

1340

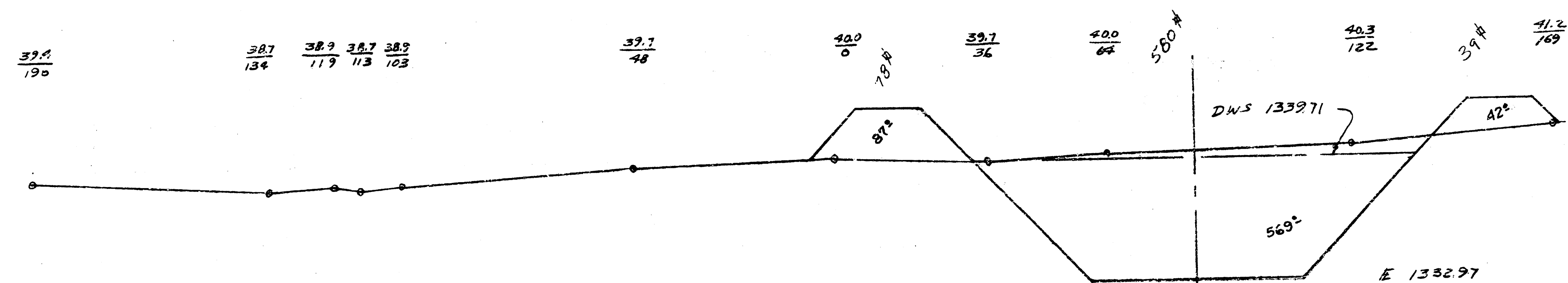
21+00
 224+20

1335

$F = 376.3 \text{ Cu Yds}$
 $C = 2185.2 \text{ Cu Yds}$

1330

200



$F = 117 \text{ ft}$
 $C = 530 \text{ ft}$

1340

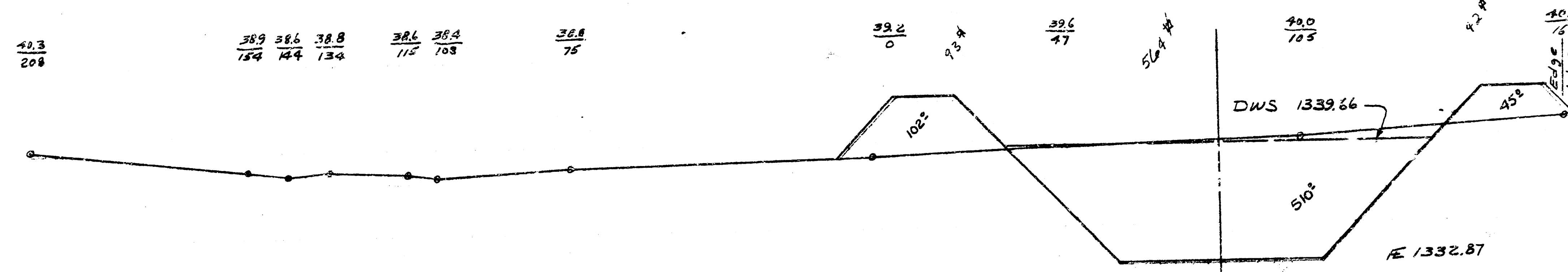
20+00
 223+20

1335

$F = 446.7 \text{ Cu Yds}$
 $C = 2118.5 \text{ Cu Yds}$

1330

200



$F = 135 \text{ ft}$
 $C = 564 \text{ ft}$

1340

17+00
 222+20

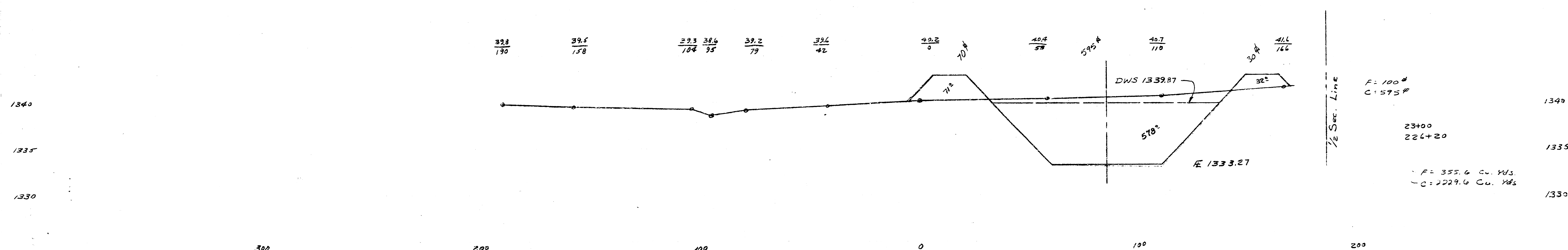
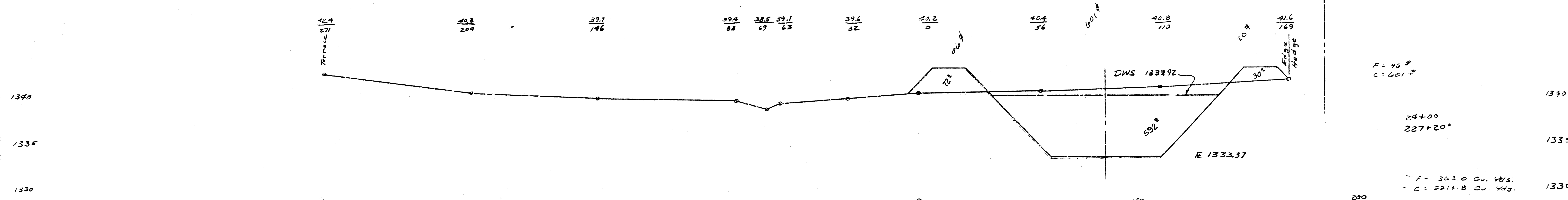
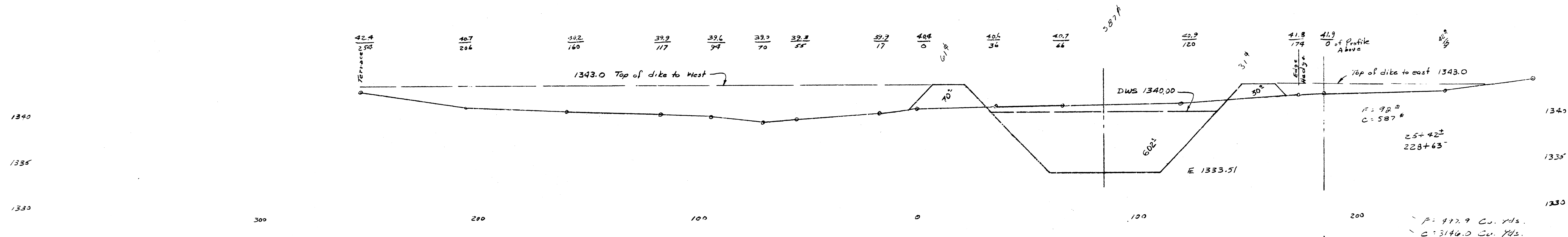
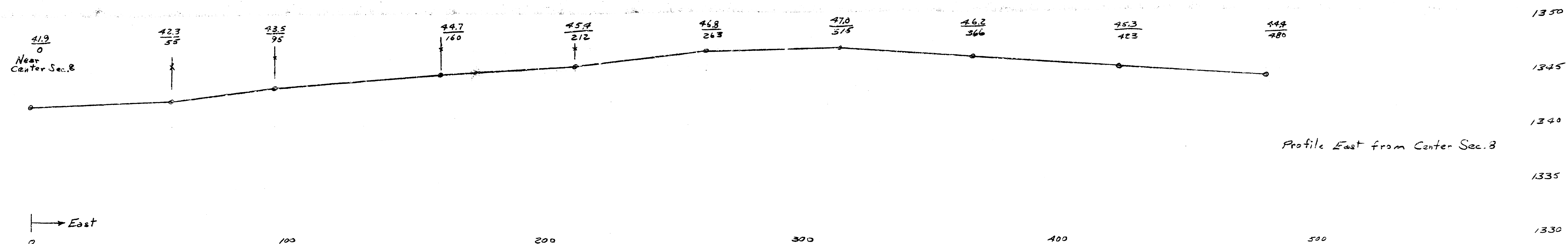
1335

$F = 688.9 \text{ Cu Yds}$
 $C = 1933.3 \text{ Cu Yds}$

1330

200

STORM WATER DRAIN NO. 19
 PROJECT NO. DBK D574089



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

STORM WATER DRAIN NO. 19
PROJECT NO. DBKD574089

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
17400.645 cu yds
27

Sta. 1+00 East
140

15.5 x 50

1/2 mile
0 10 20 30 40
Wing Levee to East
Sta. 0+00 = Channel
130.5 = 18 cu yds
27

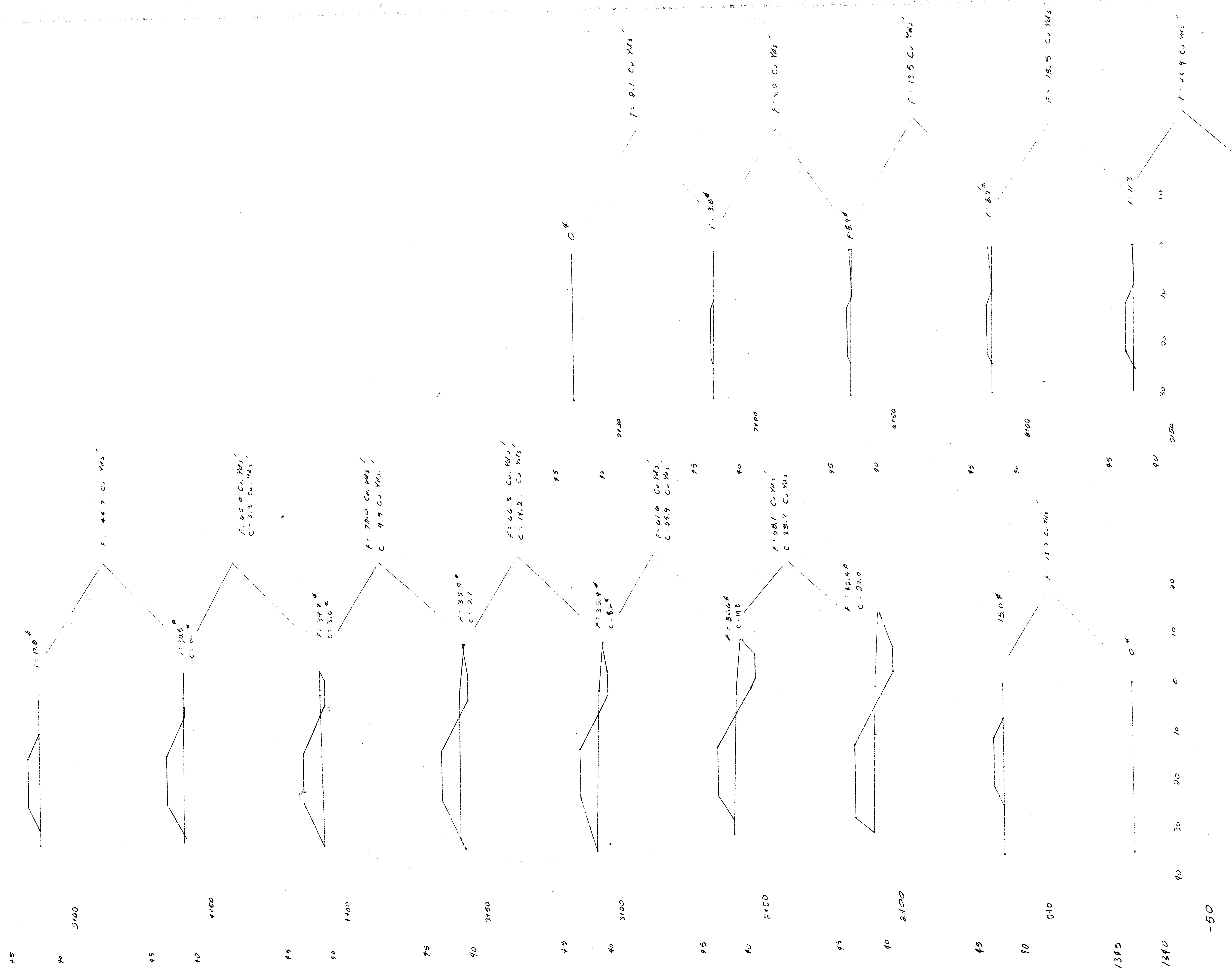
Wing Levee to West
West Link-Bellings Tributary
Cowardin Creek

9-11-72

STORM WATER DRAIN NO. 19
PROJECT NO. DBKD574089

14 13 12 11 10 9 8 7 6 5 4 3 2 1

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AVAILABLE COPY



Fill 159.8 Cu Yds.
Cut 90.0 Cu Yds.

LEVEE AREA
Prelim. & Final Cross Sections