

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

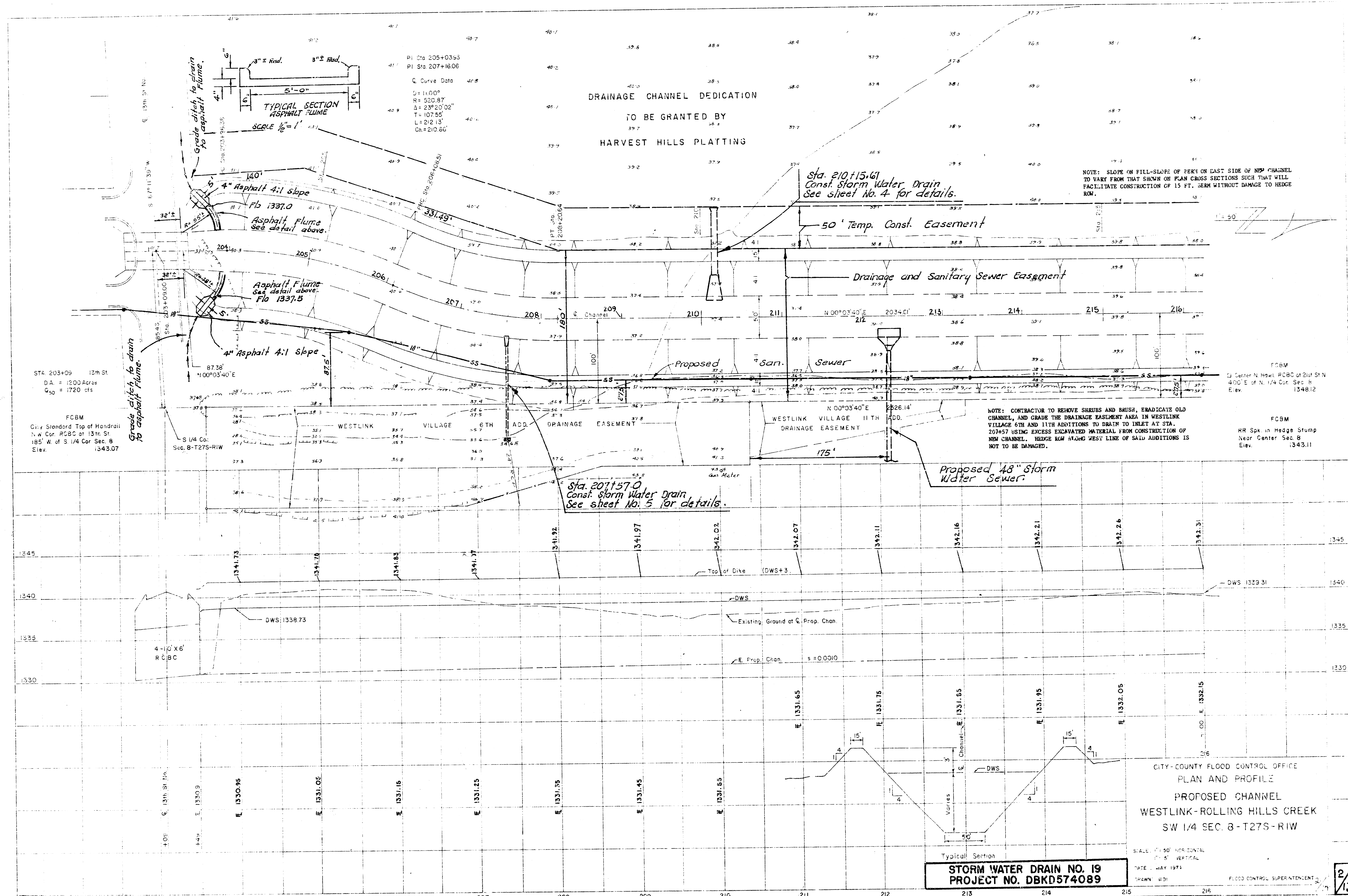
SEED SHALL BE MIXED NATIVE GRASS SEED AS SPECIFIED IN
SECTION 13 - 13 OF THE KANSAS STATE HIGHWAY STD SPECIFICATIONS.
(EDITION) 1966. MIXTURE SHALL BE PRAIRIE HAY. FERTILIZING,
SEEDING, AND MULCHING SHALL CONFORM TO SECTIONS H2, H5, H6
AND ALL OTHER RELATED SECTIONS OF THE 1966 STANDARD SPECIFICA-
TION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



STA. 203+09 12th St.
D.A. = 1200 Acres
Q₅₀ = 1720 cfs

FCBM
City Standard Top of Handrail
N.W. Cor. R2BC at 13th St.
185' W. of S 1/4 Cor. Sec. 8
Elev. 1343.07

PI Sta. 205+03.53
PI Sta. 207+16.06

Curve Data
D = 11.00°
R = 520.87
Δ = 23°23'02"
T = 107.55
L = 212.13
Ch = 210.66

DRAINAGE CHANNEL DEDICATION
TO BE GRANTED BY
HARVEST HILLS PLATTING

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

NOTE: SLOPE ON FILL-SLOPE OF FERT. ON 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.

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.

FCBM
Center N. Hwyl. R2BC 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

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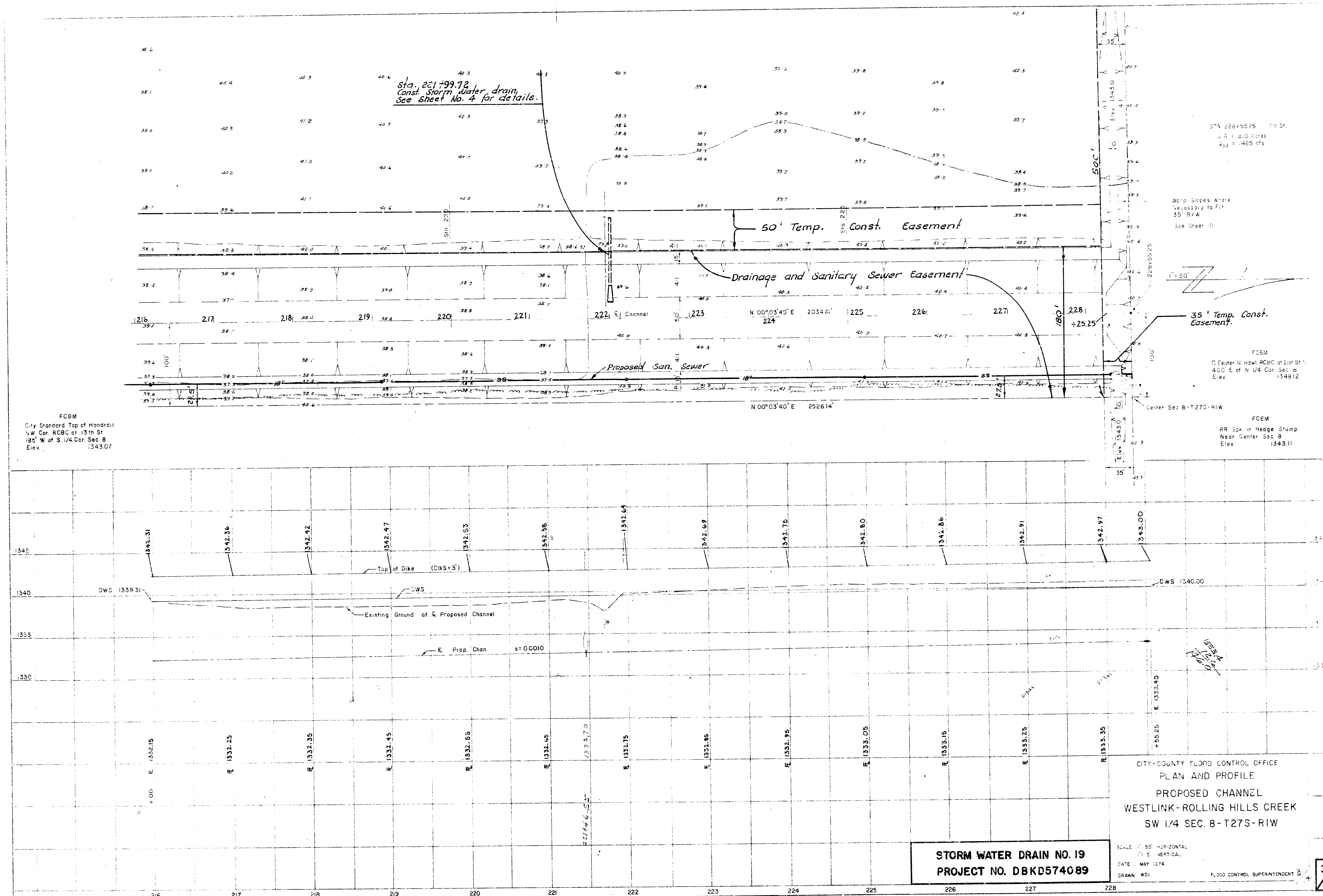
CITY-COUNTY FLOOD CONTROL OFFICE
PLAN AND PROFILE
PROPOSED CHANNEL
WESTLINK-ROLLING HILLS CREEK
SW 1/4 SEC. 8-T27S-R1W

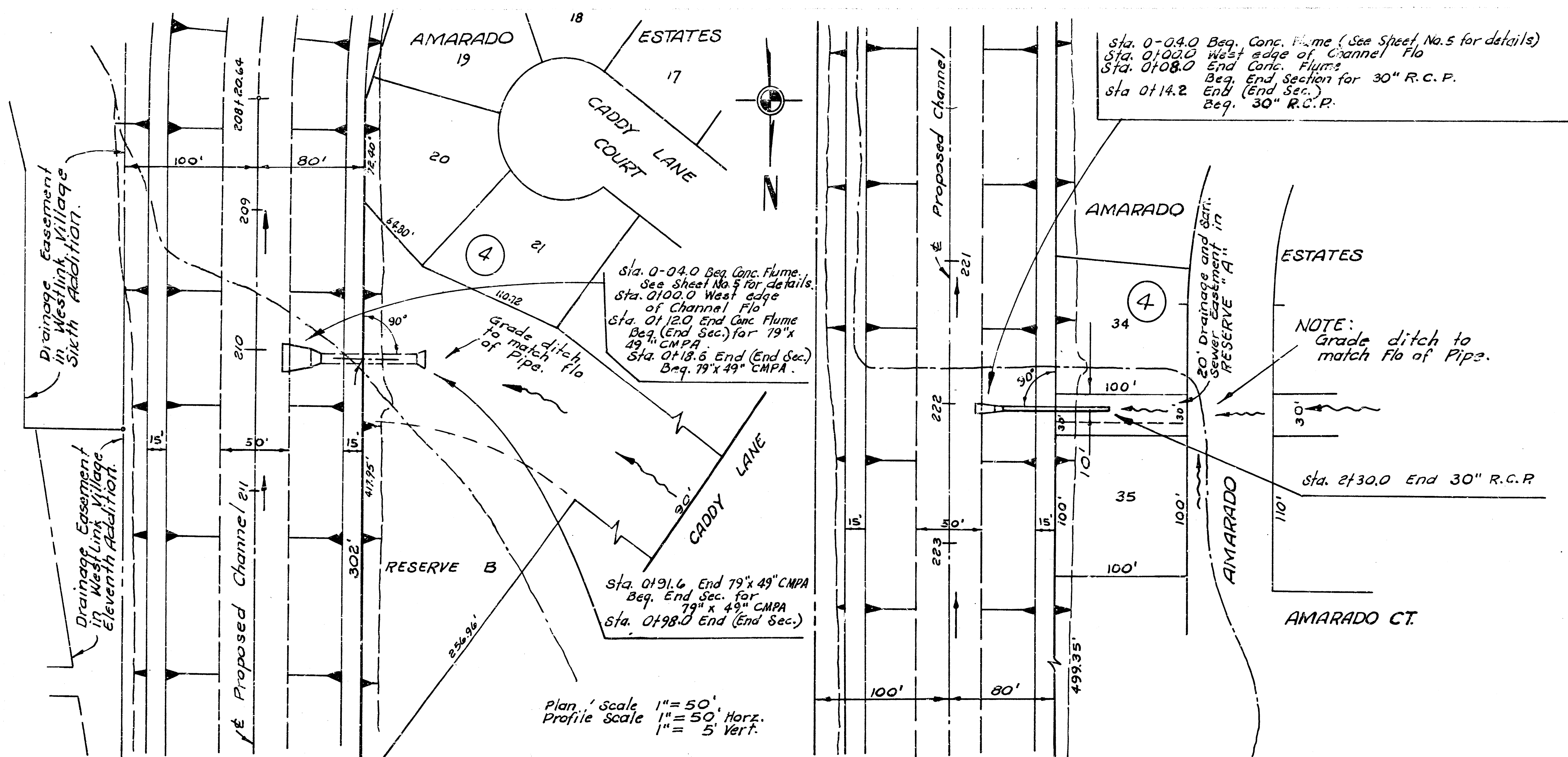
SCALE: 1" = 50' HORIZONTAL
1" = 5' VERTICAL

DATE: MAY 1972

DRAWN: WDI

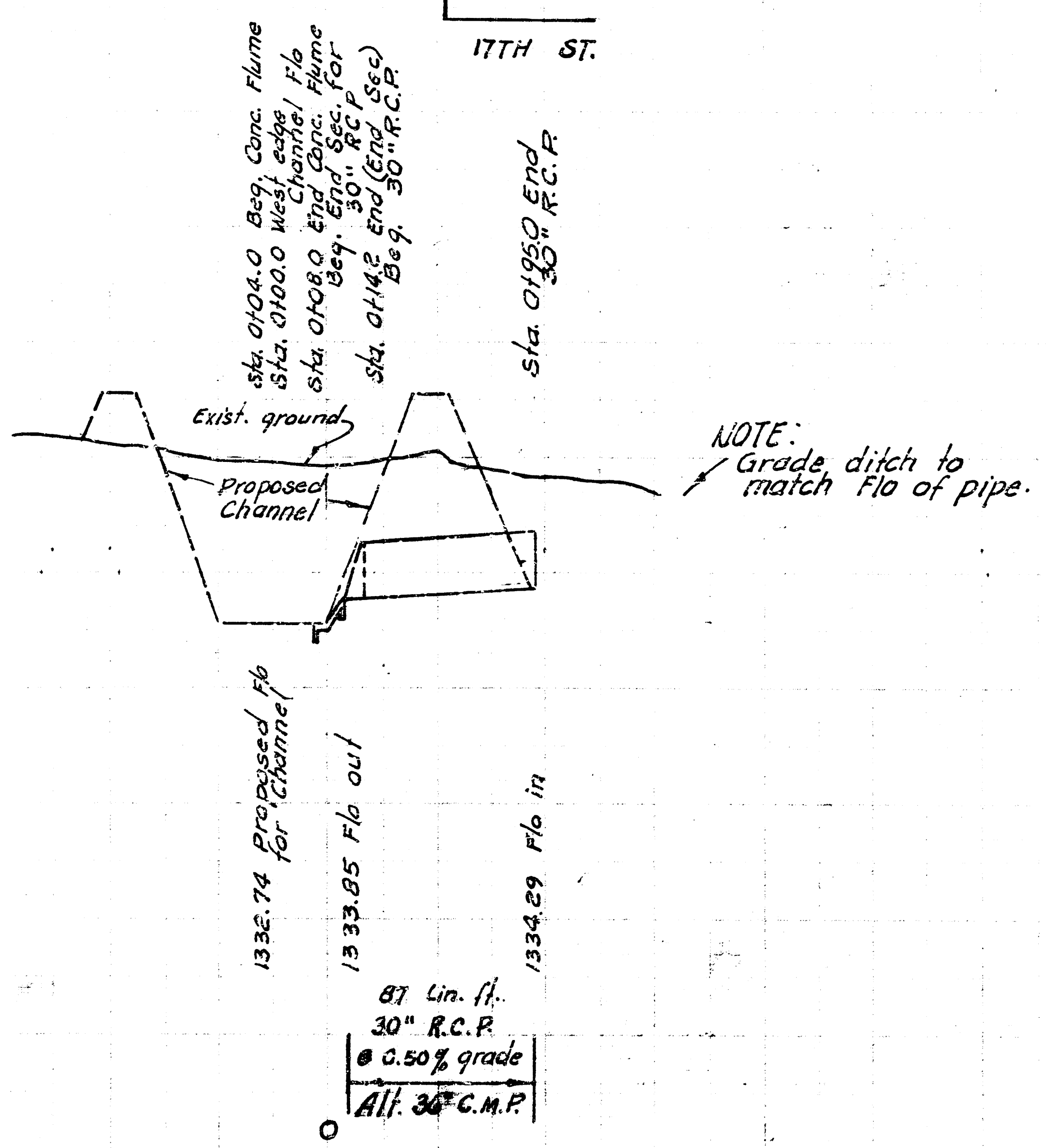
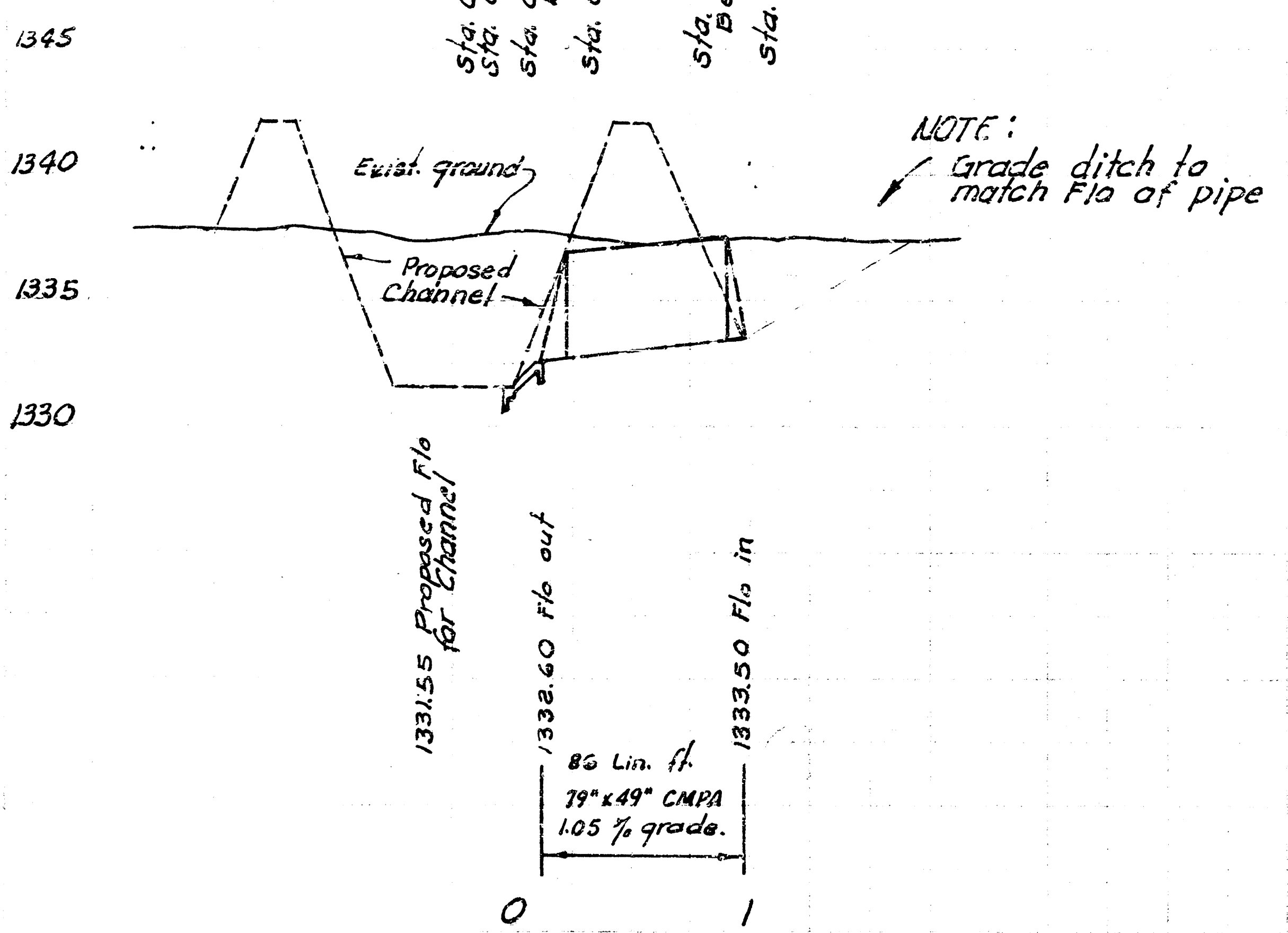
FLOOD CONTROL SUPERINTENDENT

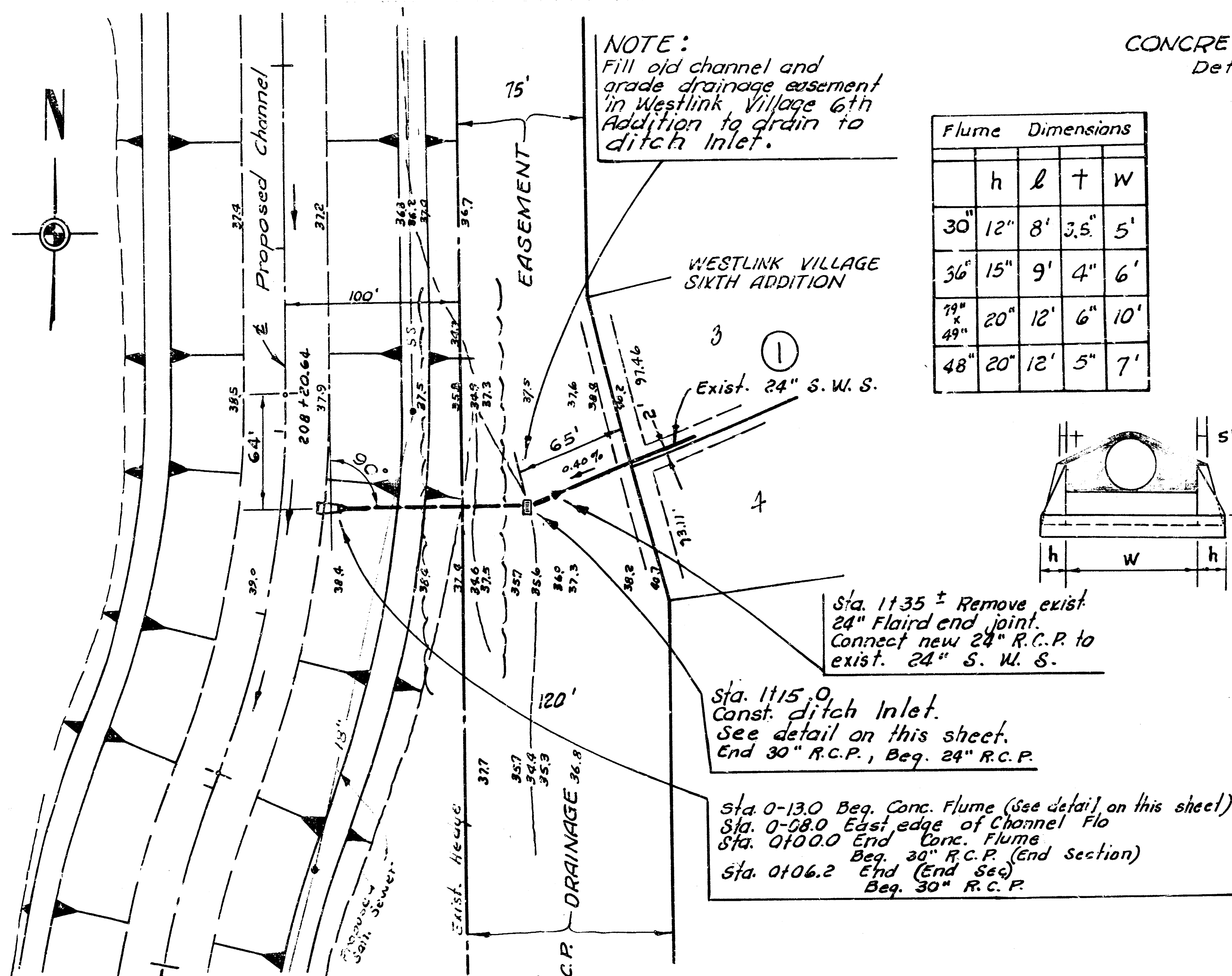




Plan Scale 1" = 50' Horiz.
 Profile Scale 1" = 50' Vert.

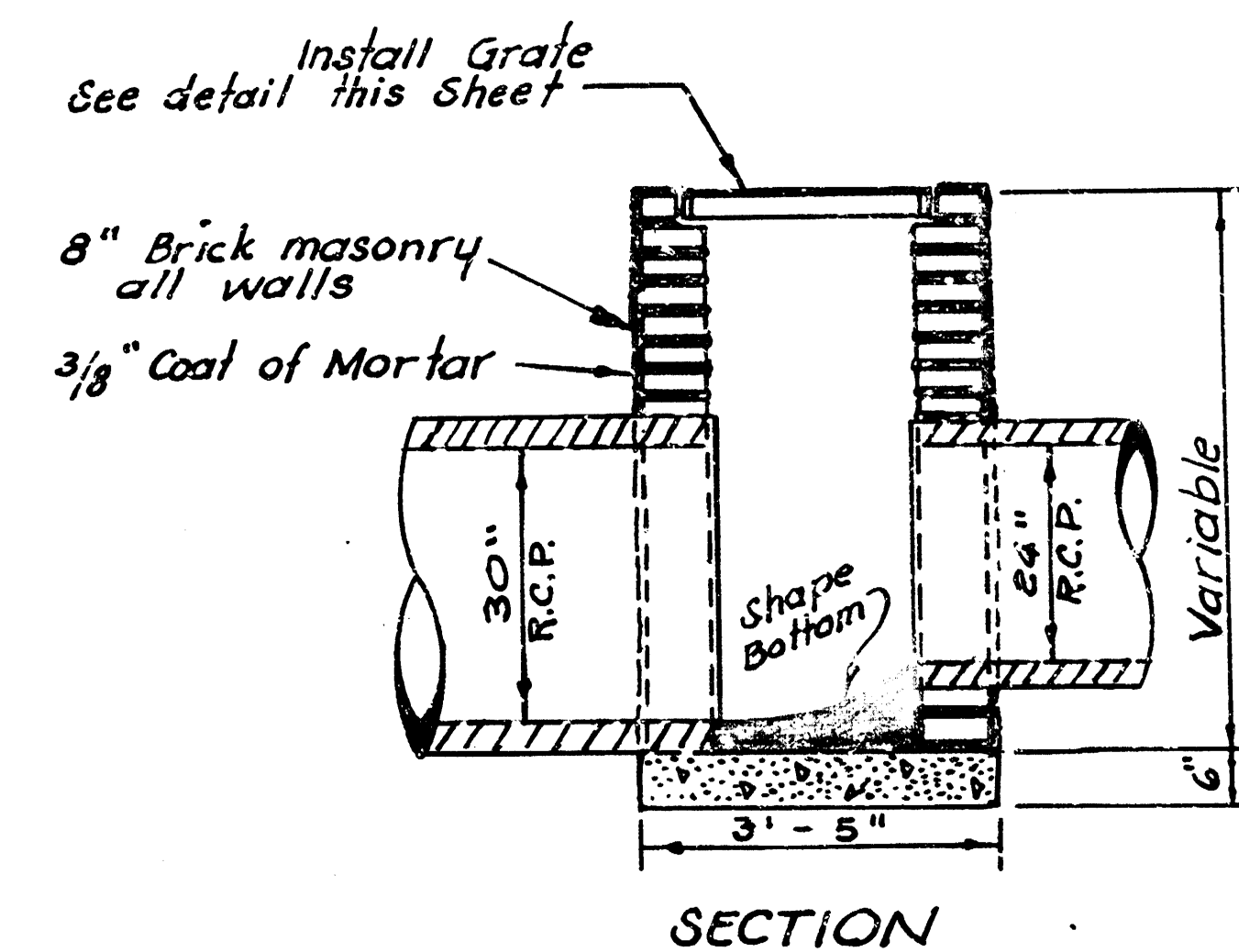
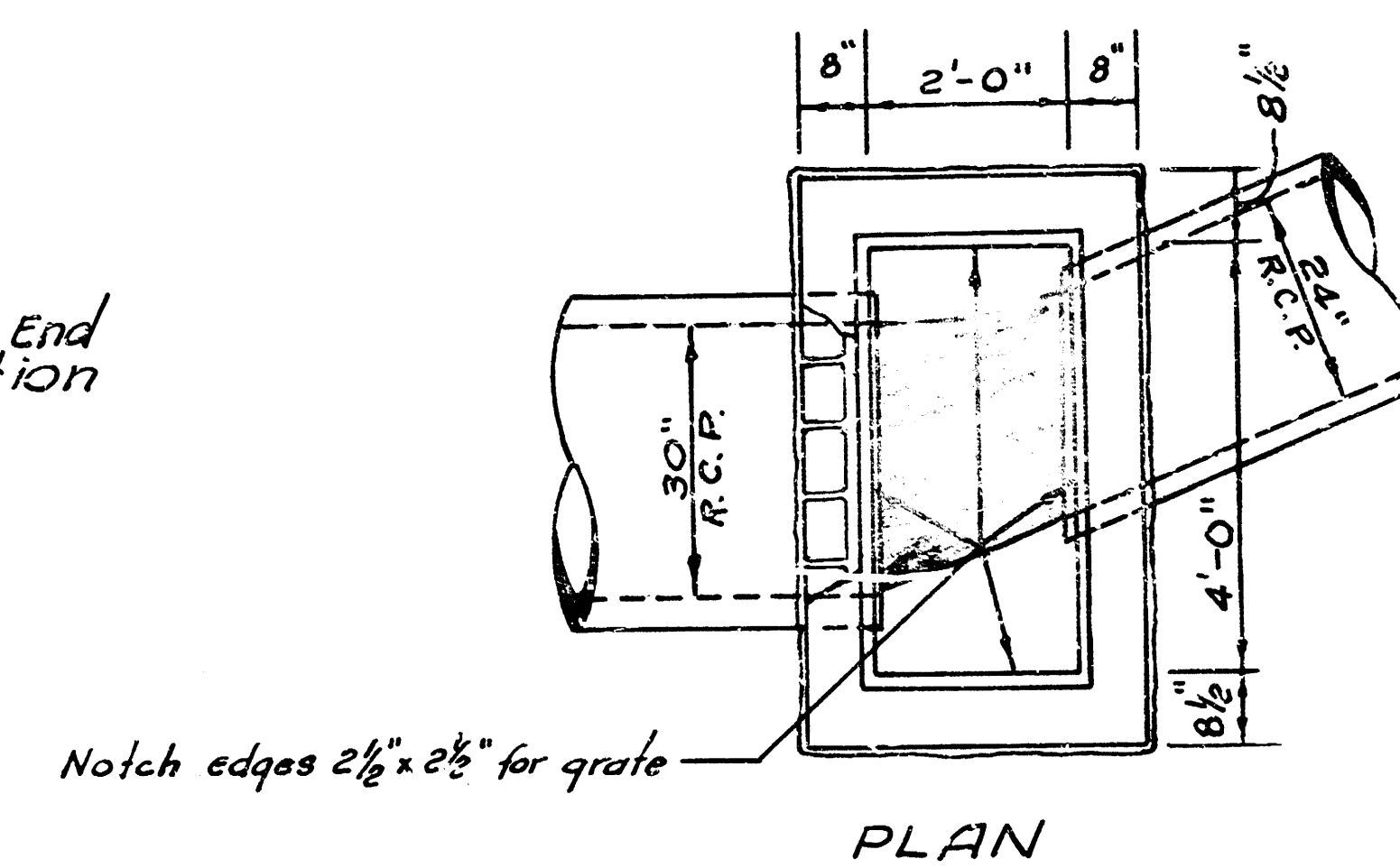
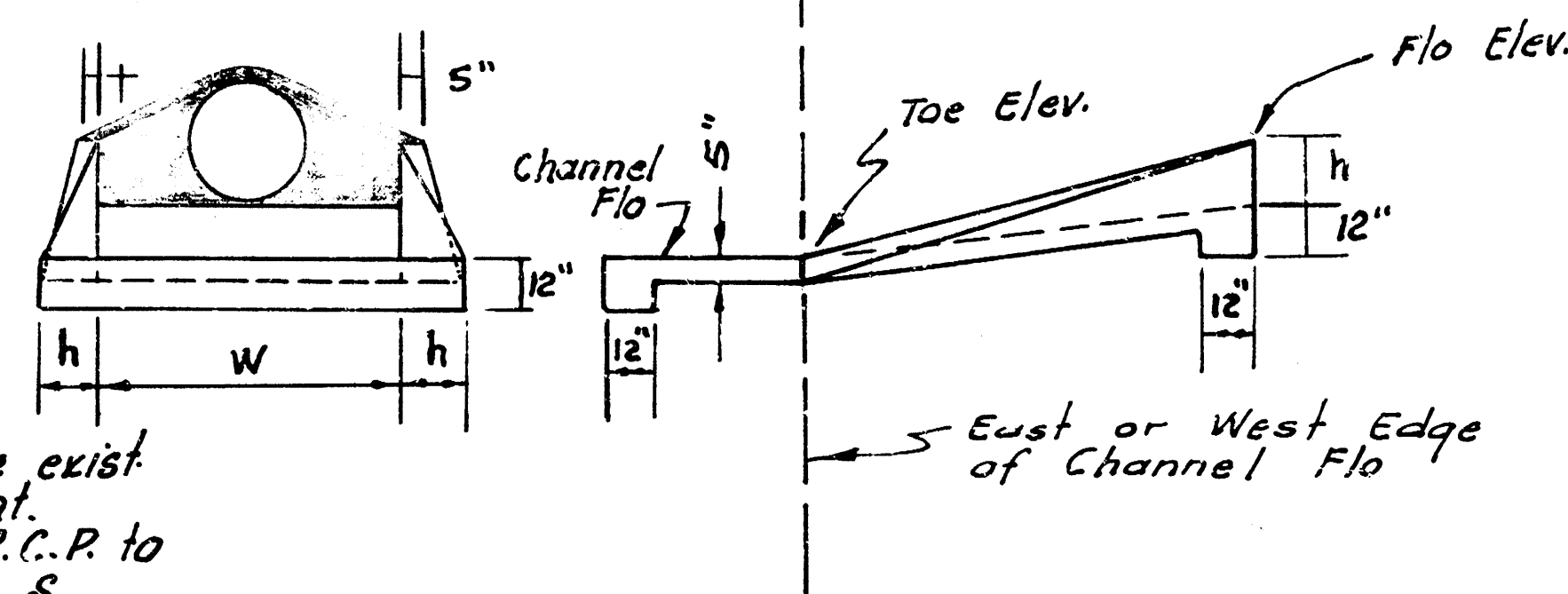
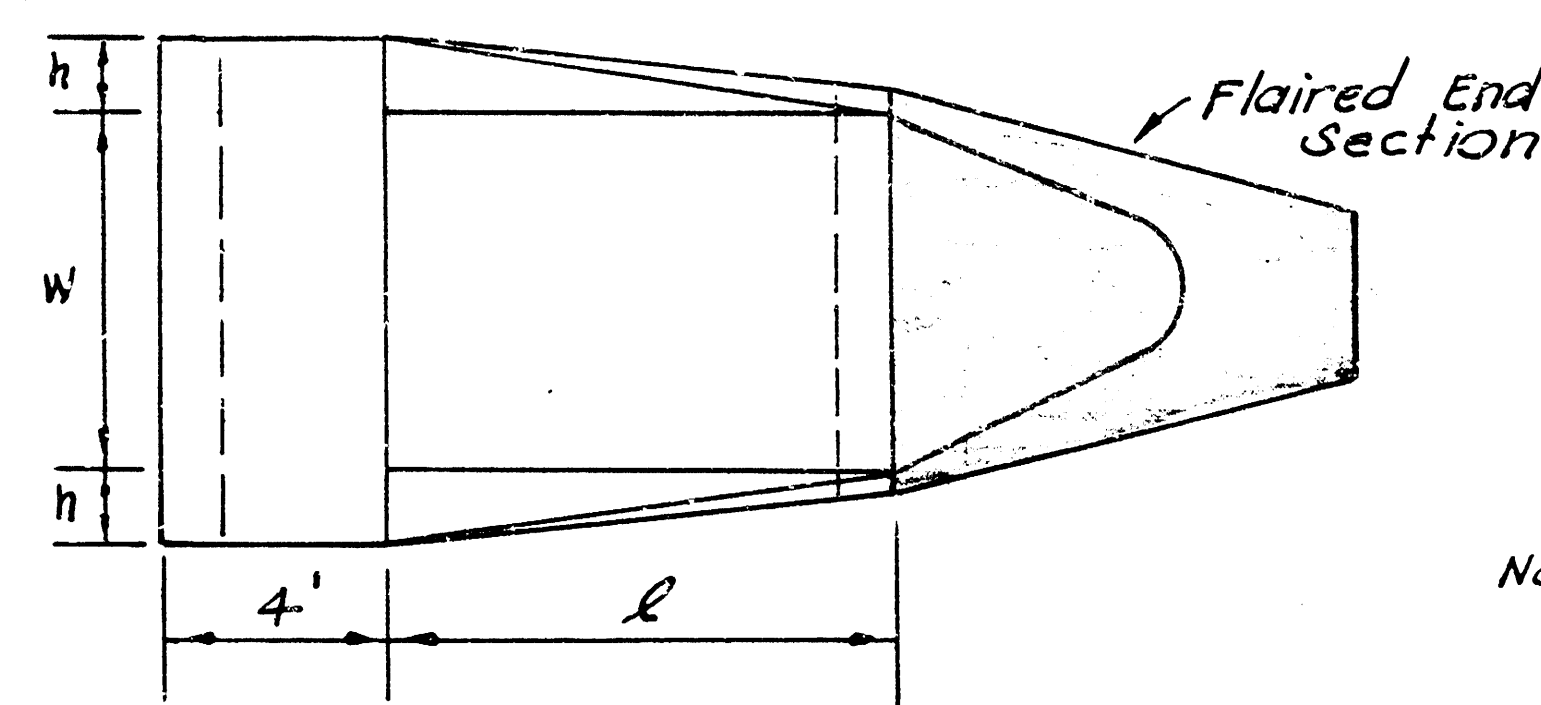
NOTE:
 See sheet No. 5
 for Concrete Flume
 details.



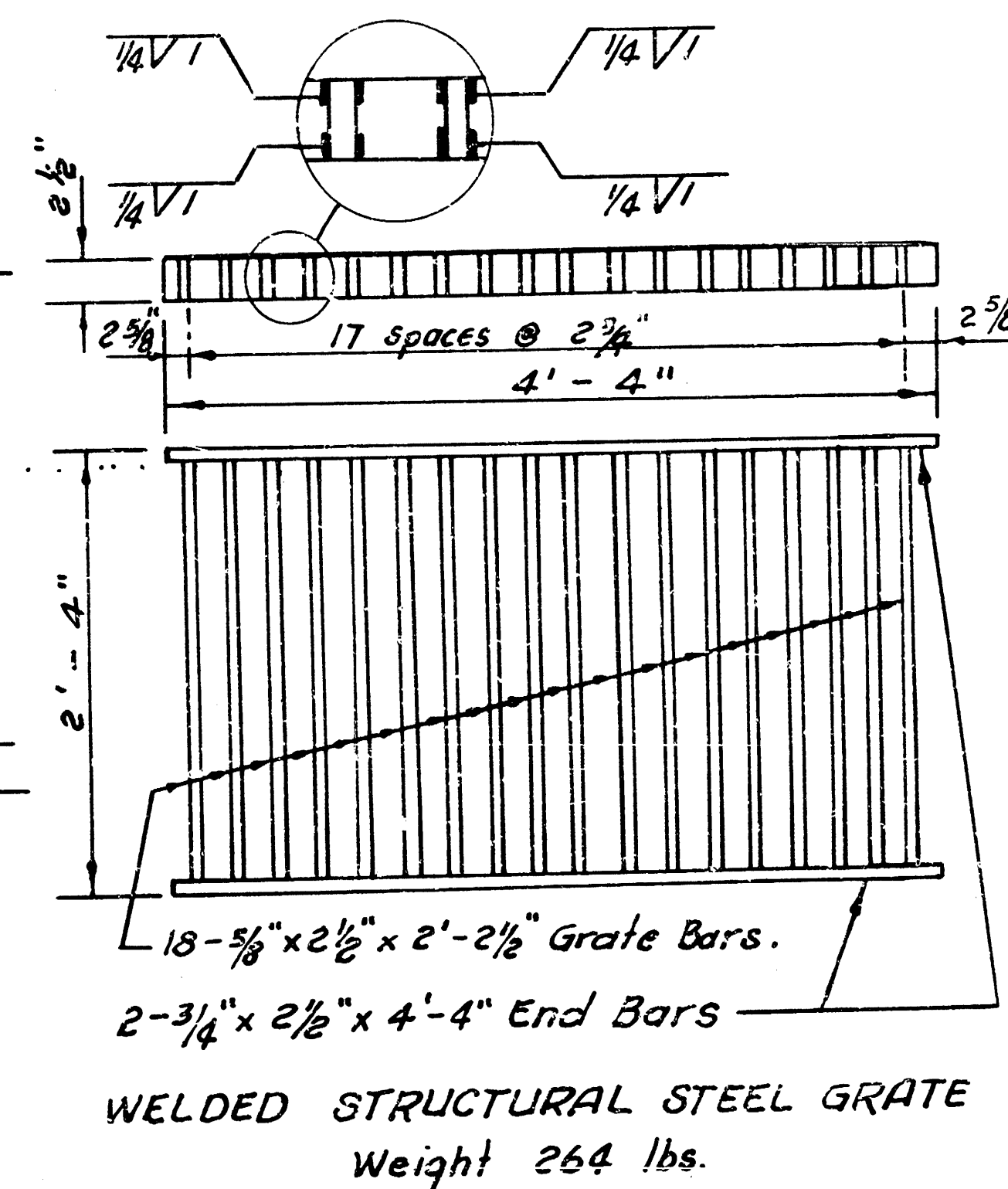


CONCRETE FLUME
Detail

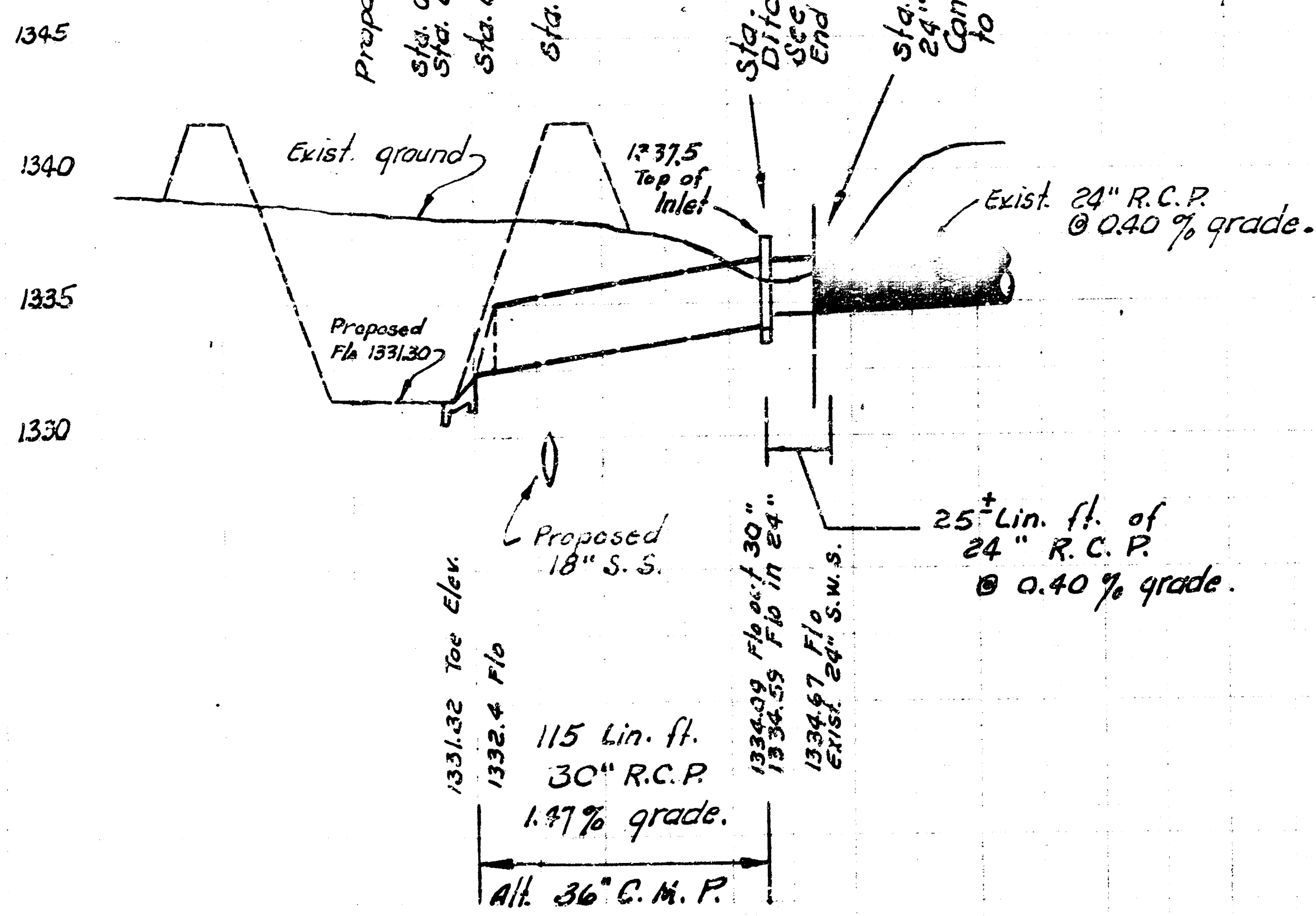
Flume	h	l	t	W
30"	12"	8'	3.5"	5'
36"	15"	9'	4"	6'
42"	20"	12'	6"	10'
48"	20"	12'	5"	7'



DITCH INLET
Detail



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



1340

1335

1330

300

200

100

0

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
16537.7
5335.7
3634.4
2735.3
2334.0
038.3
46

0

0

0

0

0

0

0

0

0

0

0

1340

1335

1330

1340

1335

1330

300

200

100

0

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.41.5
7137.2
46

1340

1335

1330

41.2
25041.2
19941.1
14741.1
9741.0
5040.9
039.6
9339.5
16238.5
5835.1
3435.3
2434.9
041.5
7137.2
46

0

0

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1340

1335

1330

1340

1335

1330

300

200

100

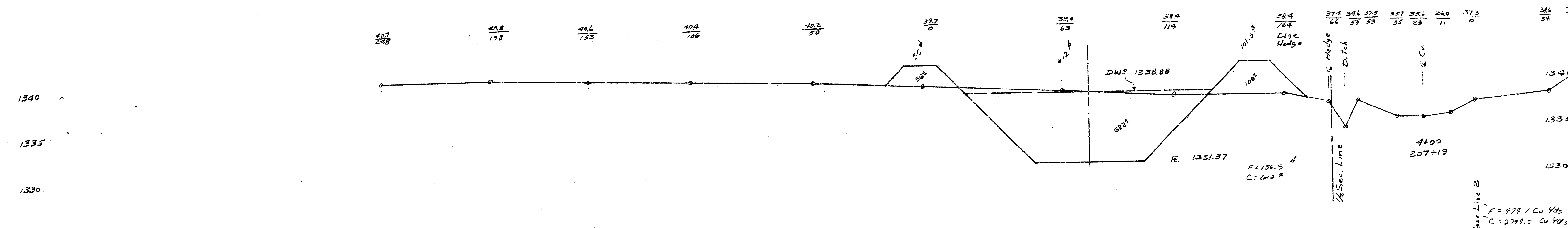
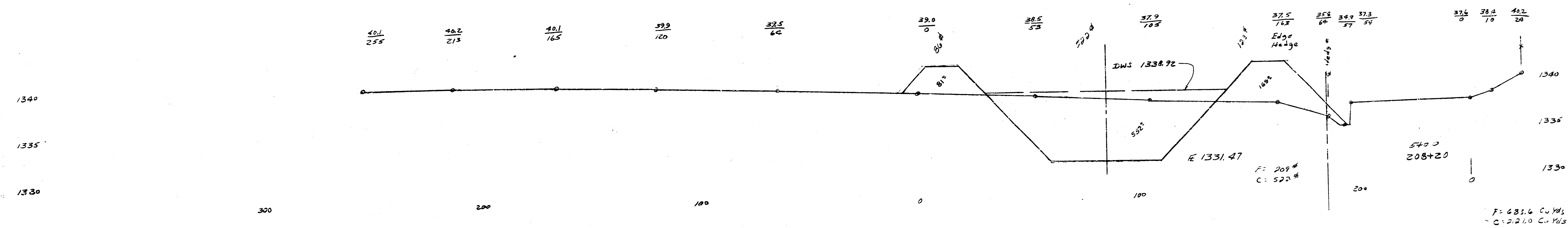
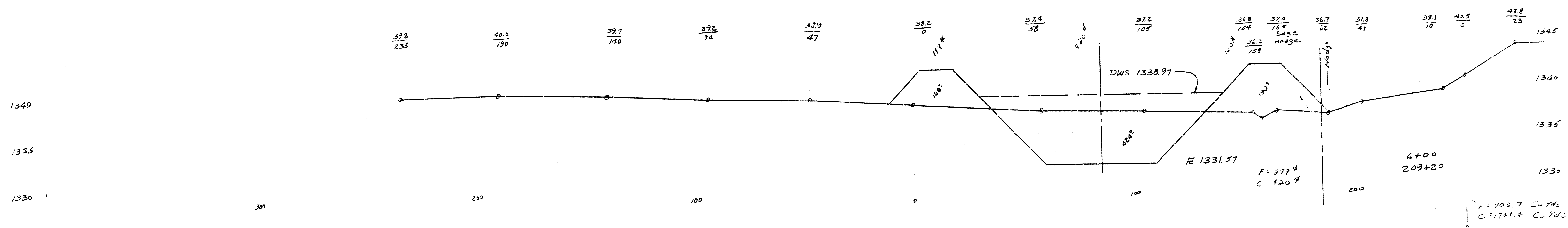
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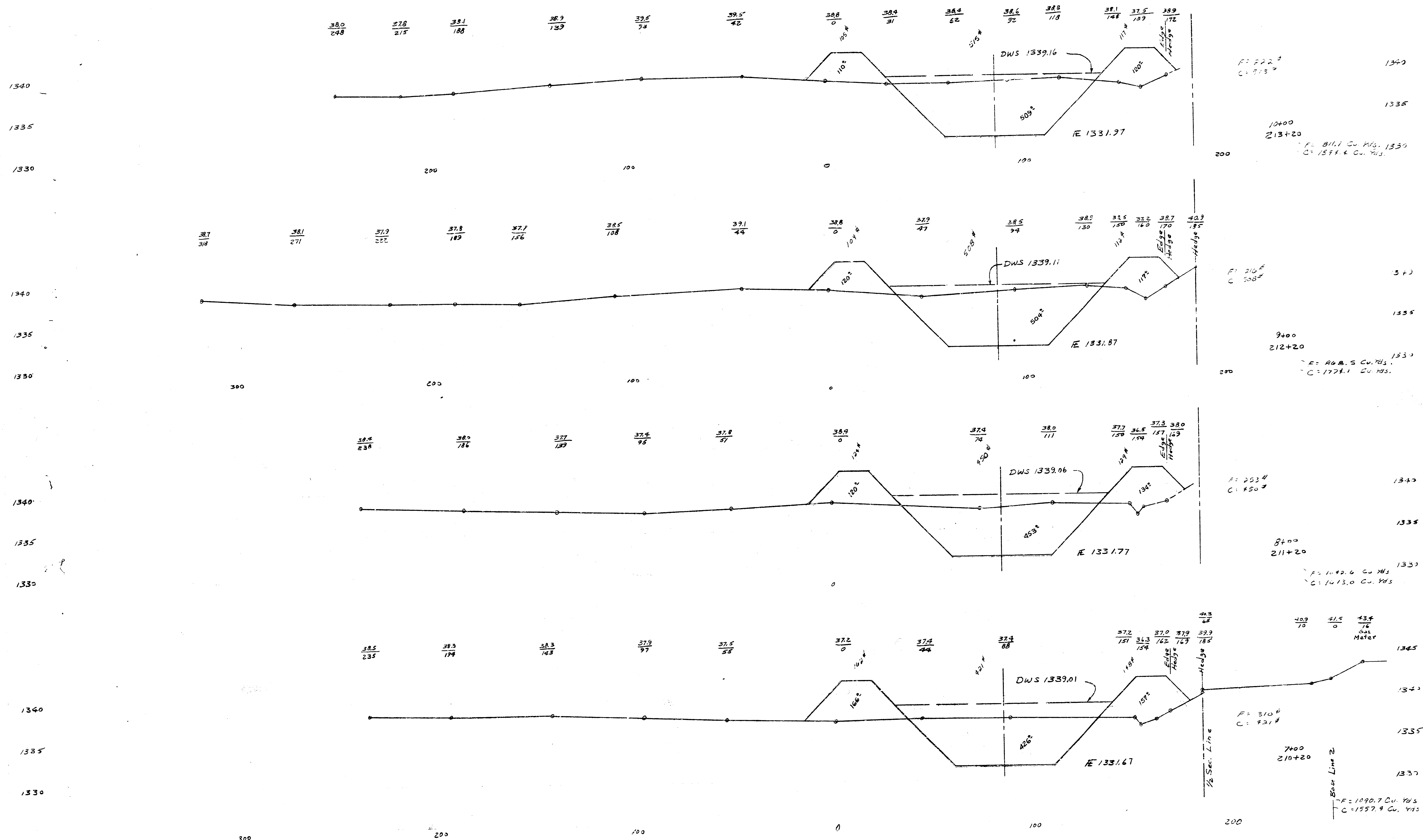
DWS 1338.73

E 1331.05

F = 86.0
C = 772.41+00
203+94Hedge
1/2 Sec. Line
Base Line 2STORM WATER DRAIN NO. 19
PROJECT NO. DCRD574059

6/13





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1330

1340

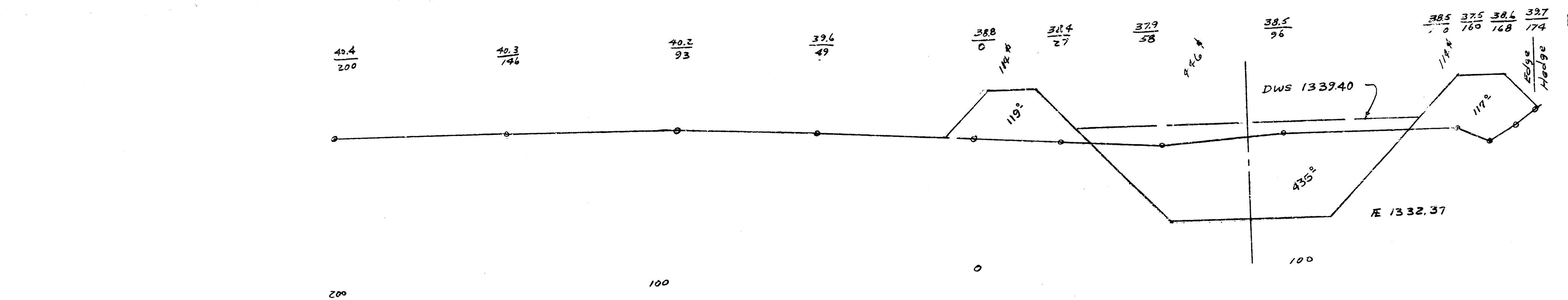
1335

1330

1340

1335

1330



F = 223 #
C = 846 #

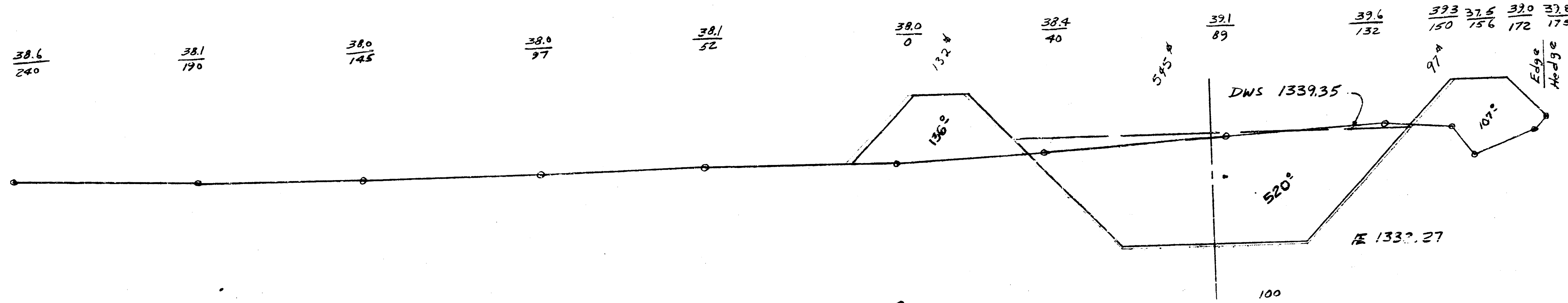
19+00
217+20

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

1340

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F = 229 #
C = 545 #

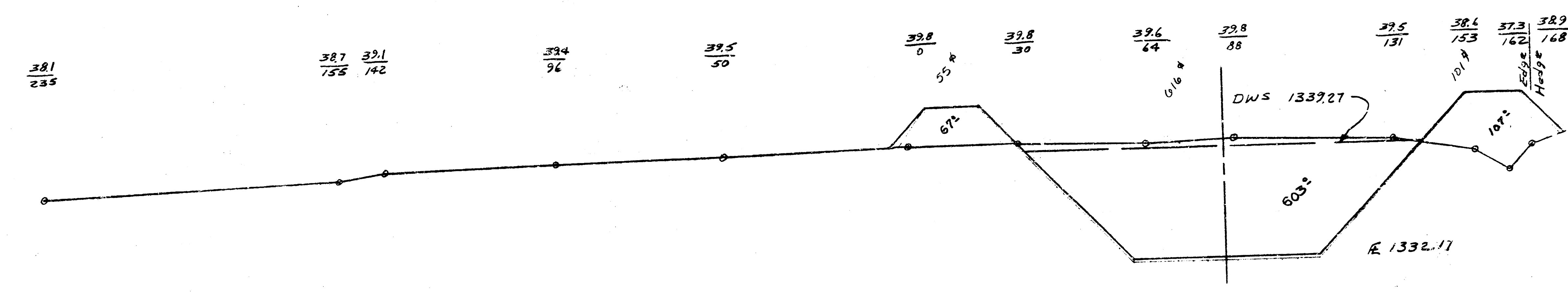
219+00
219+20

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

1340

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1330



F = 136 #
C = 616 #

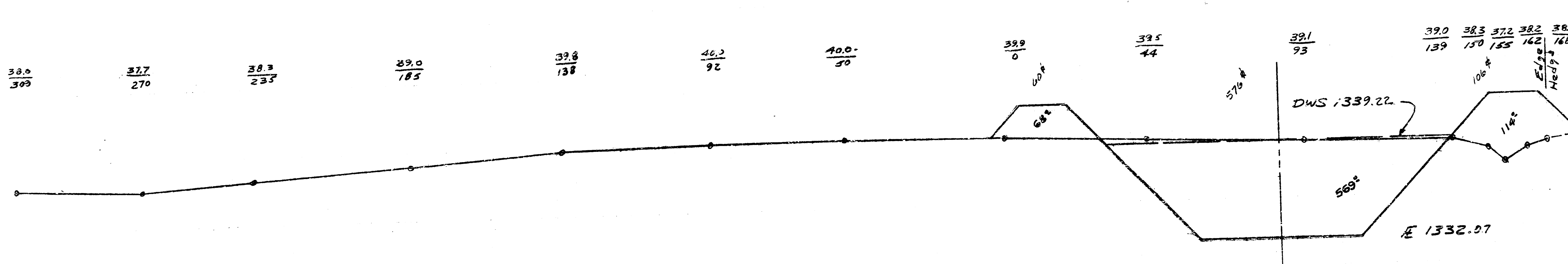
221+00
221+20

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

1340

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F = 166 #
C = 576 #

225+00
225+20

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

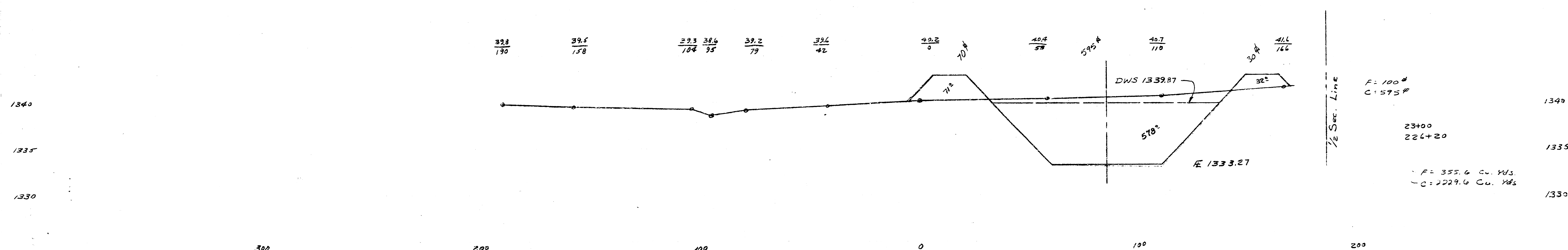
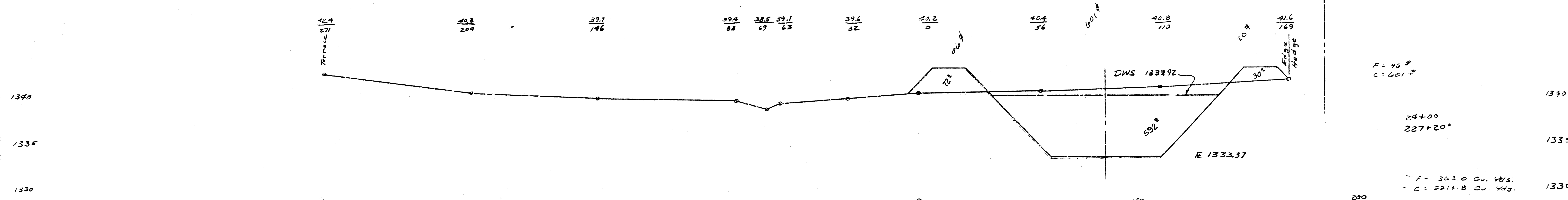
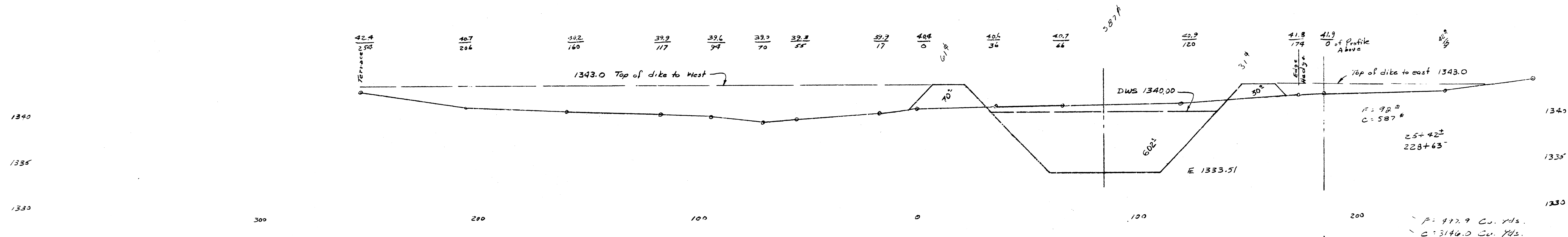
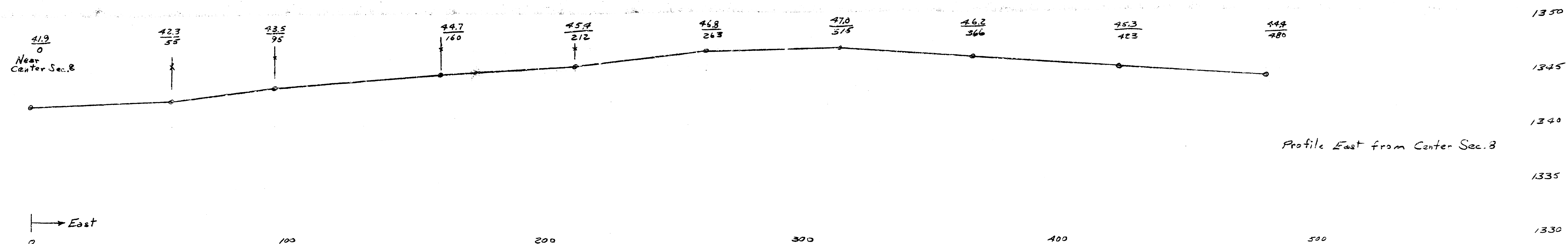
1340

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

9
14



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

9.0 x 30

145
Sta 3+50 West

13.0 x 50

145
Sta 3+00 West

40.0 x 50

145
Sta 2+50 West

66.0 x 50

145
Sta 2+00 West

6.0 x 25

145
Sta 1+60 West

93.5 x 50

145
Sta 1+00 West

74 x 20

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

17400.645 cu yds

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

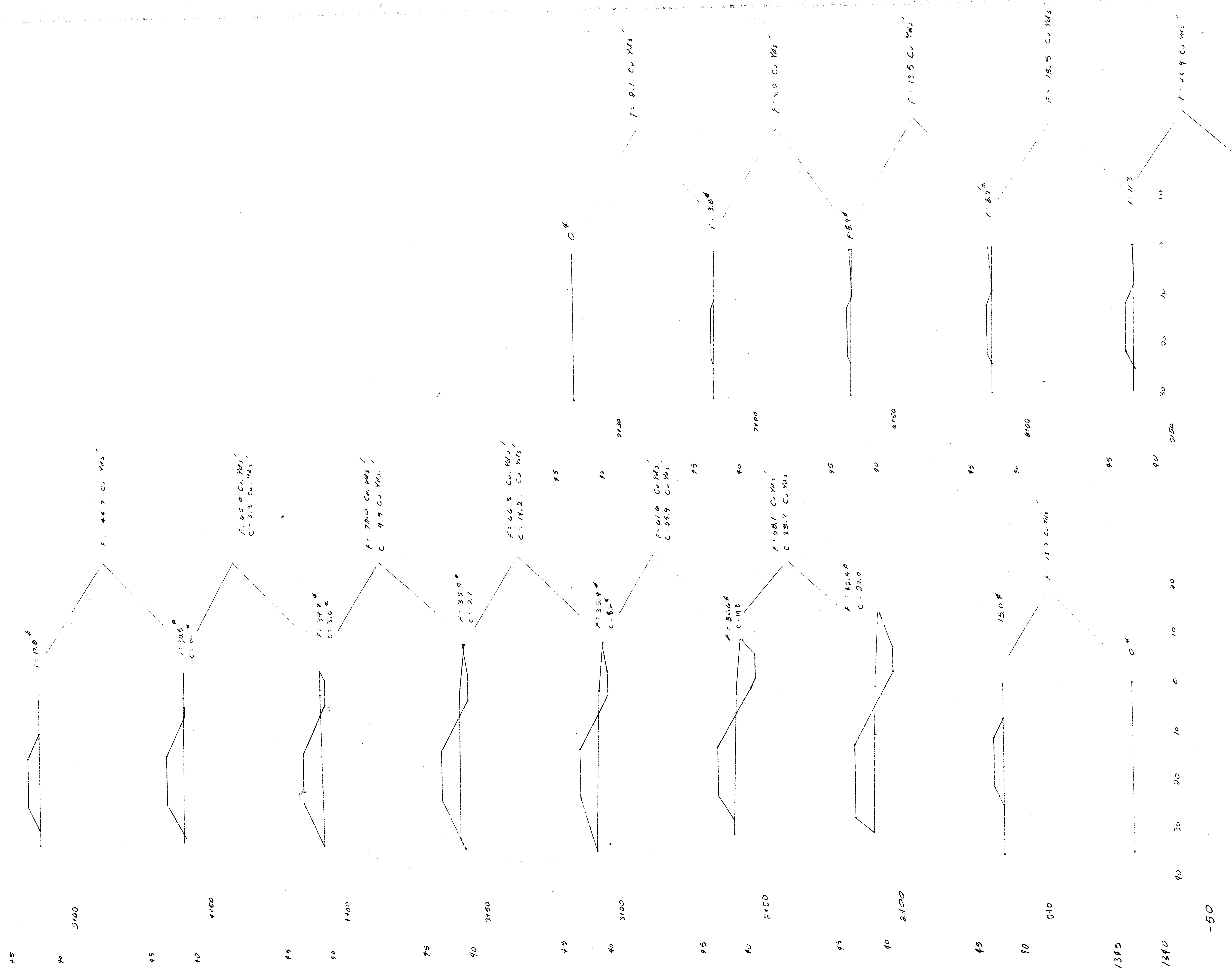
Wing Levee, East & West
West Link-Bellings Tributary
Cowardin Creek

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

FILMED FROM THE BEST
AVAILABLE COPY



F. 11 159.8 Cu Yds.
Cut 90.0 Cu Yds

LEVEE AREA
Prelim. & Final Cross Sections