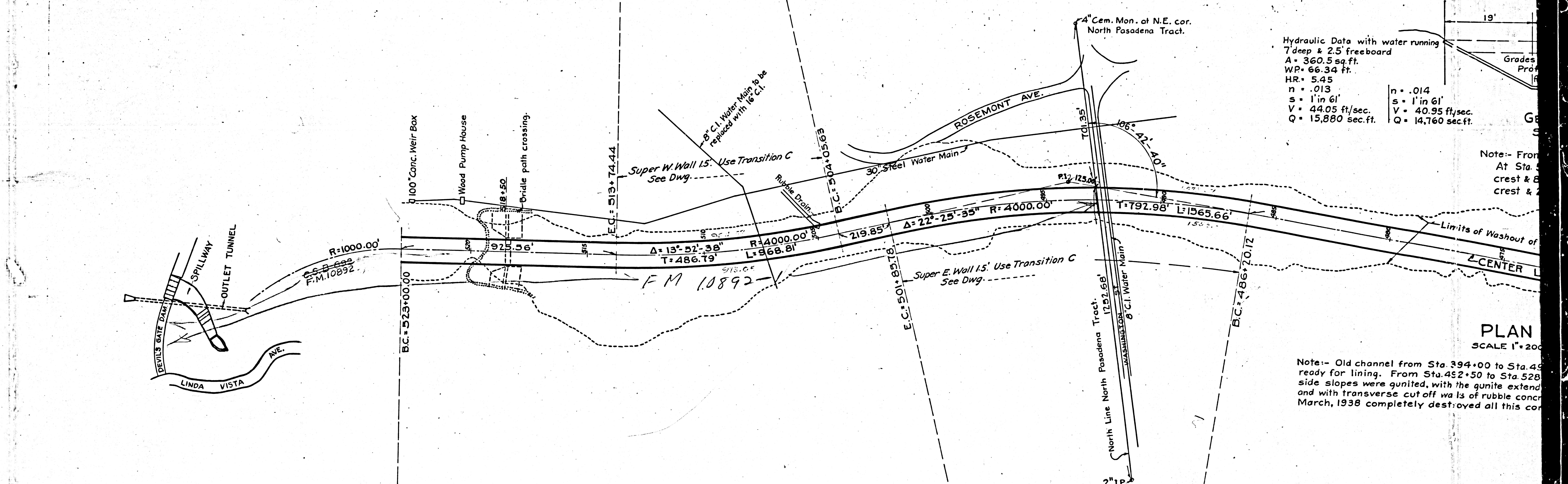


535 530 525 520 515 510 505 500 495 490 485 480 475

475



Hydraulic Data with water running
7 deep & 2.5' freeboard
A = 360.5 sq.ft.
WP = 66.34 ft.
H.R. = 5.45
n = .013
s = 1 in 61'
V = 44.05 ft/sec.
Q = 15,880 sec.ft.
n = .014
s = 1 in 61'
V = 40.95 ft/sec.
Q = 14,760 sec.ft.

Note:- From
At Sta.
crest &
crest &

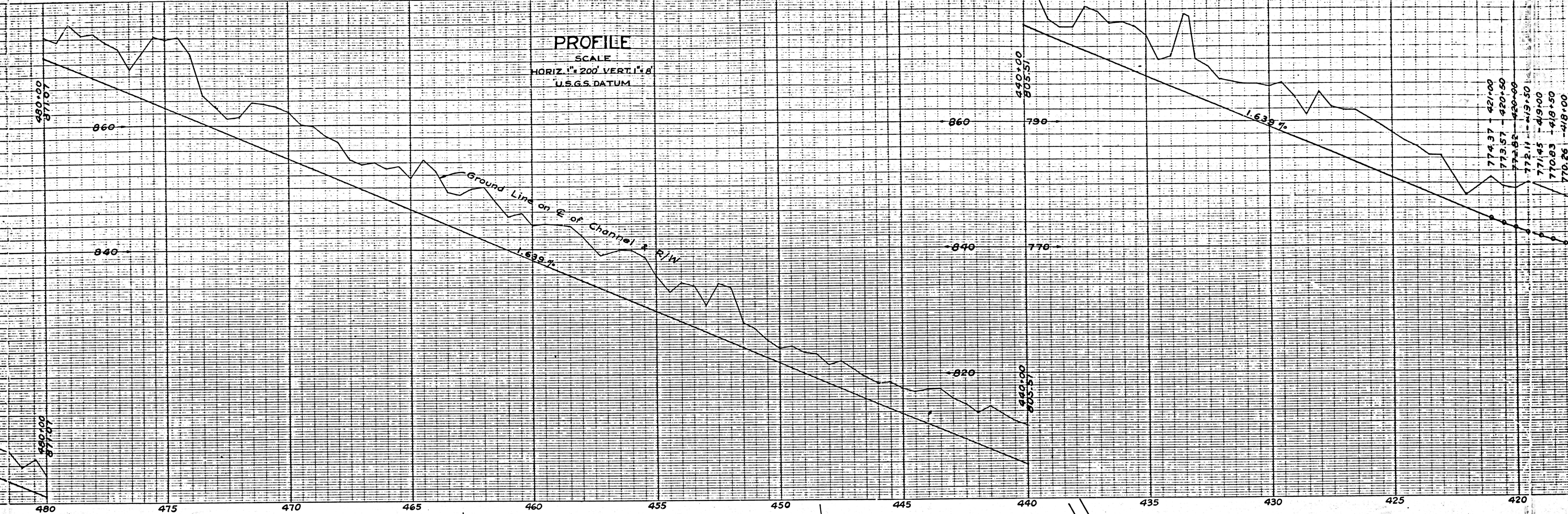
G
S

Note:- Old channel from Sta. 394.00 to Sta. 49 ready for lining. From Sta. 452.50 to Sta. 528. side slopes were quinited, with the quinited and with transverse cut off walls of rubble concrete March, 1938 completely destroyed all this con

PLAN
SCALE 1" = 200

Note:- Old channel from Sta. 394.00 to Sta. 49 ready for lining. From Sta. 452.50 to Sta. 528. side slopes were quinited, with the quinited and with transverse cut off walls of rubble concrete March, 1938 completely destroyed all this con

F.M.	11	2	9	9
A1	OF	A3		



Hydraulic Data with water running
7' deep & 2.5' freeboard
A = 360.5 sq.ft.
W.P. = 66.34 ft.
H.R. = 5.45
n = .013
s = 1'in 6'
V = 44.05 ft/sec.
Q = 15,880 sec.ft.

n = .014
s = 1'in 6'
V = 40.95 ft/sec.
Q = 14,760 sec.ft.

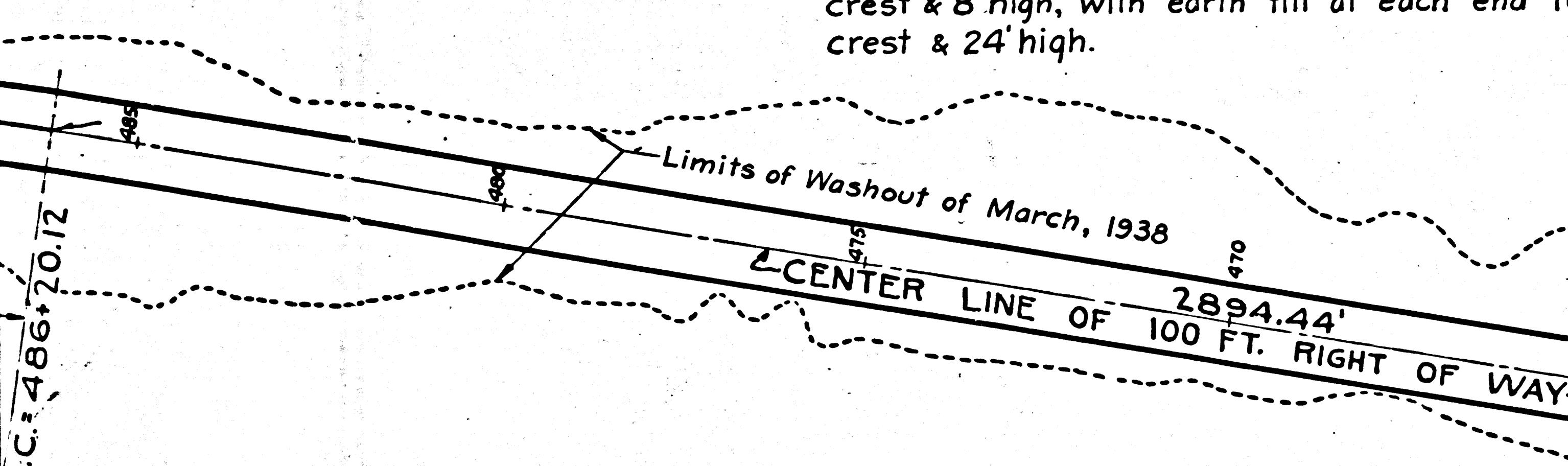
GENERAL CROSS-SECTION STA. 421+00 TO STA 512+50±

SCALE: 1"=10'

Note:- From Sta. 512+50 to 518+50 is a Transition Section.
At Sta. 518+50 there will be an Ogee Dam 120' long, 20'
crest & 8' high, with earth fill at each end 100' long, 10'
crest & 24' high.

Hydraulic Data with water running
8.5' deep & 1.0' freeboard
A = 452.5 sq.ft.
W.P. = 73.06 ft.
H.R. = 6.25
n = .013
s = 1'in 6'
V = 47.6 ft/sec.
Q = 21,870 sec.ft.

n = .014
s = 1'in 6'
V = 45.25 ft/sec.
Q = 20,790 sec.ft.

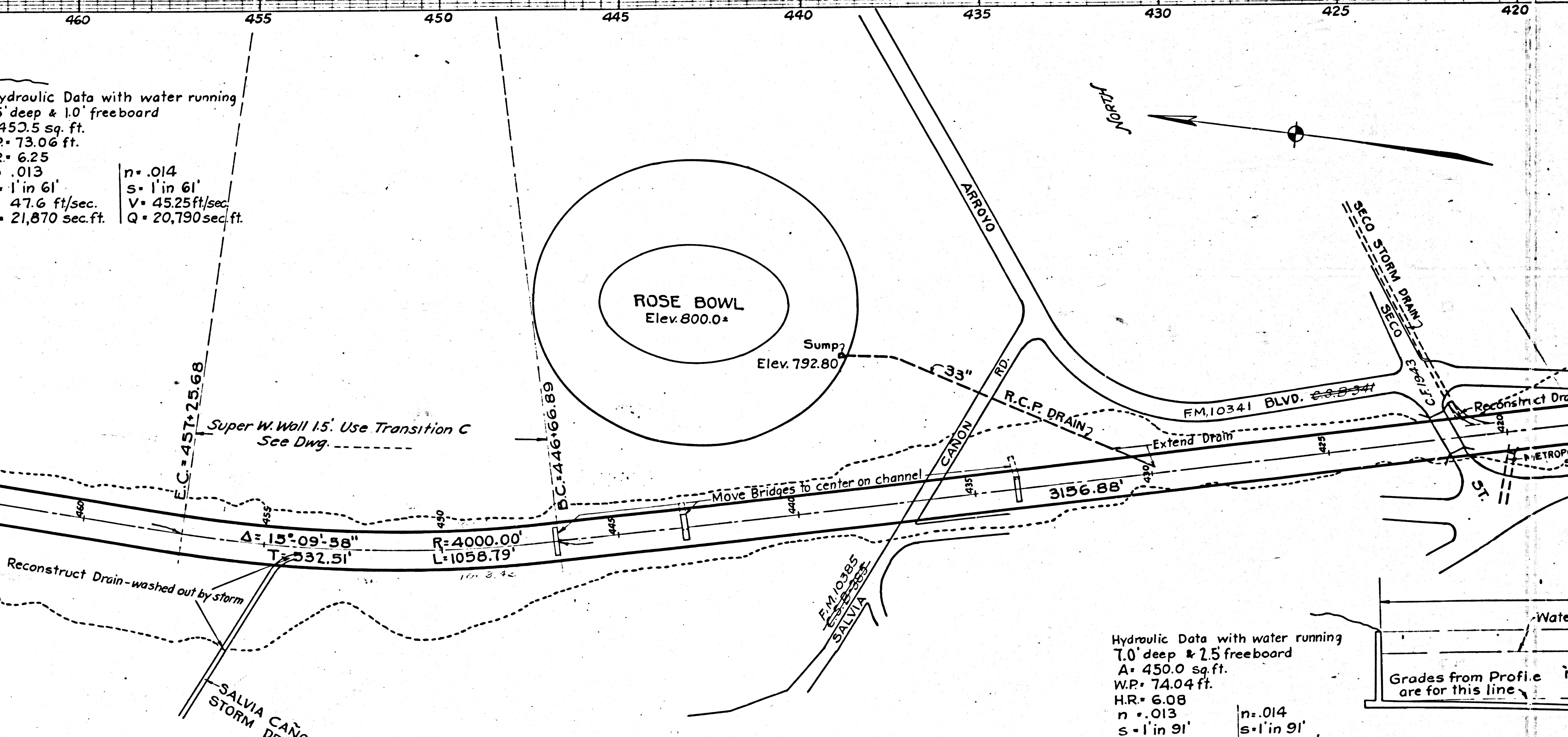


PLAN

SCALE 1"=200'

Note:- Old channel from Sta. 394+00 to Sta. 492+50 was excavated and shaped ready for lining. From Sta. 492+50 to Sta. 528+ it was excavated, shaped and the side slopes were gunited, with the gunite extending 4 feet below the stream bed and with transverse cut off walls of rubble concrete every 100 feet. The storm of March, 1938 completely destroyed all this construction.

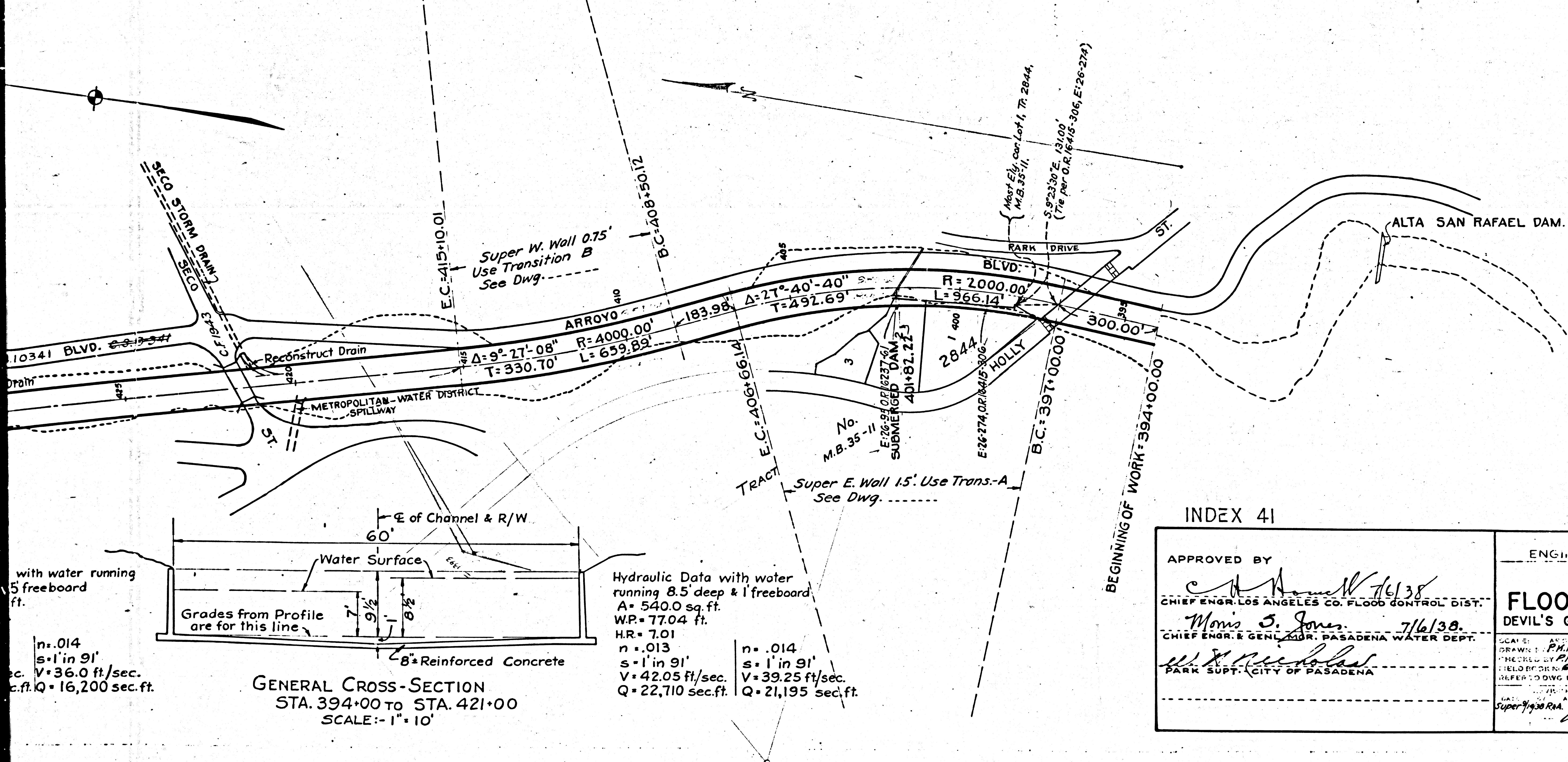
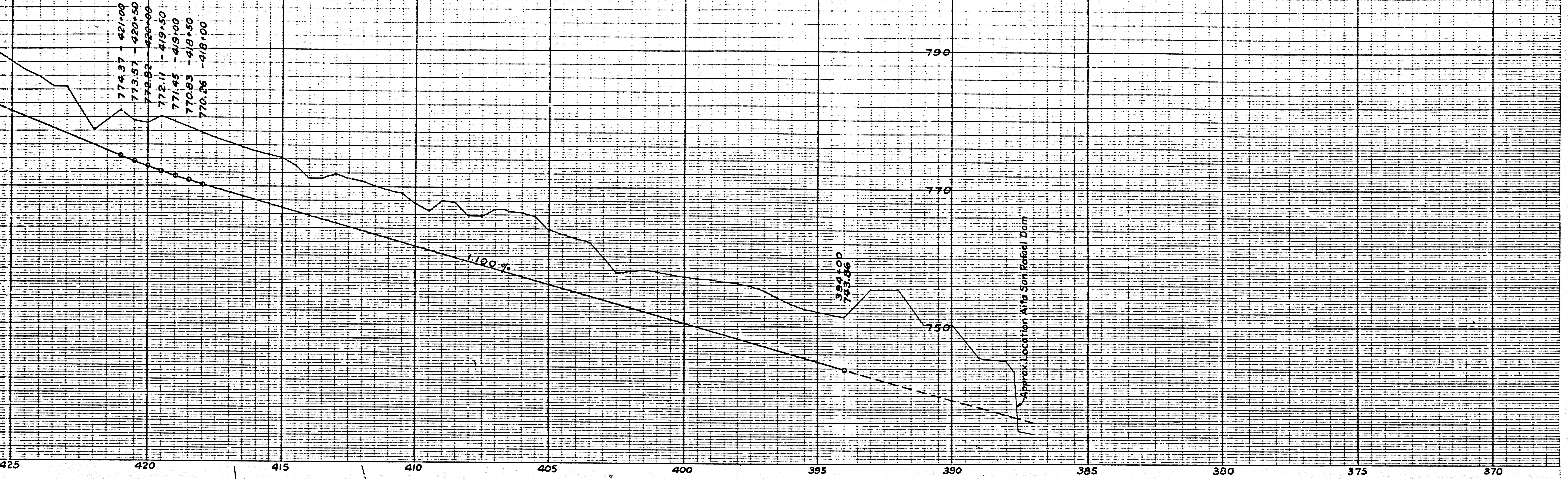
F.M. 11299
A2 OF A3



Hydraulic Data with water running
7.0' deep & 2.5' freeboard
A = 450.0 sq.ft.
W.P. = 74.04 ft.
H.R. = 6.08
n = .013
s = 1'in 9'
V = 38.7 ft/sec. V = 36.0 ft/sec.
Q = 17,415 sec.ft. Q = 16,200 sec.ft.

GENERAL CROS
STA. 394+00
SCALE:-

Grades from Profile
are for this line



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APPROVED BY <i>C. H. Howell</i> 7/6/38 CHIEF ENGR. LOS ANGELES CO. FLOOD CONTROL DIST.	CITY OF PASADENA ENGINEERING - STREET DEPARTMENT ARROYO SECO FLOOD CONTROL CHANNEL DEVIL'S GATE DAM TO 300'S. OF HOLLY ST. <i>Morris S. Jones</i> 7/6/38 CHIEF ENGR. & GEN. MGR. PASADENA WATER DEPT. <i>H. W. Nichols</i> PARK SUPT. CITY OF PASADENA
DRAWN BY <i>P. P. Pack</i> APPROVED BY <i>Harvey W. Hincks</i> FIELD DRAWN NO. 602-604, FILE NUMBER 1000 REFER TO DWG. NO. 1069 DATE APPROVED July 1, 1938 SUPERVISOR <i>J. J. J.</i> DRAWING NUMBER BB-1069 DATE CONSTRUCTED	