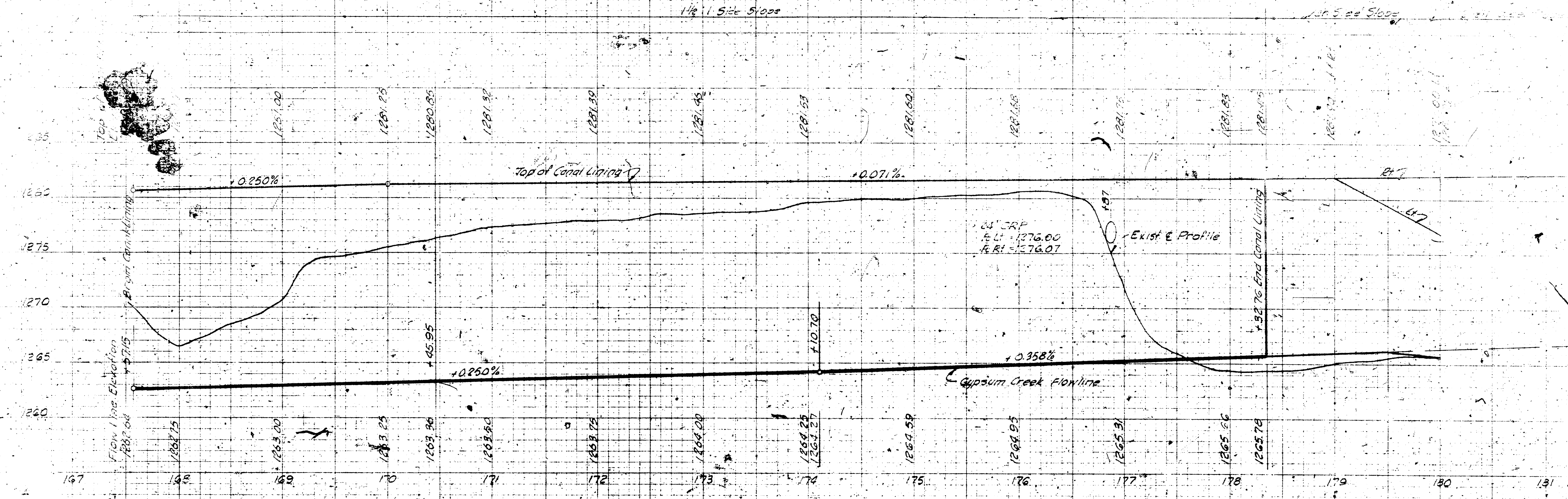
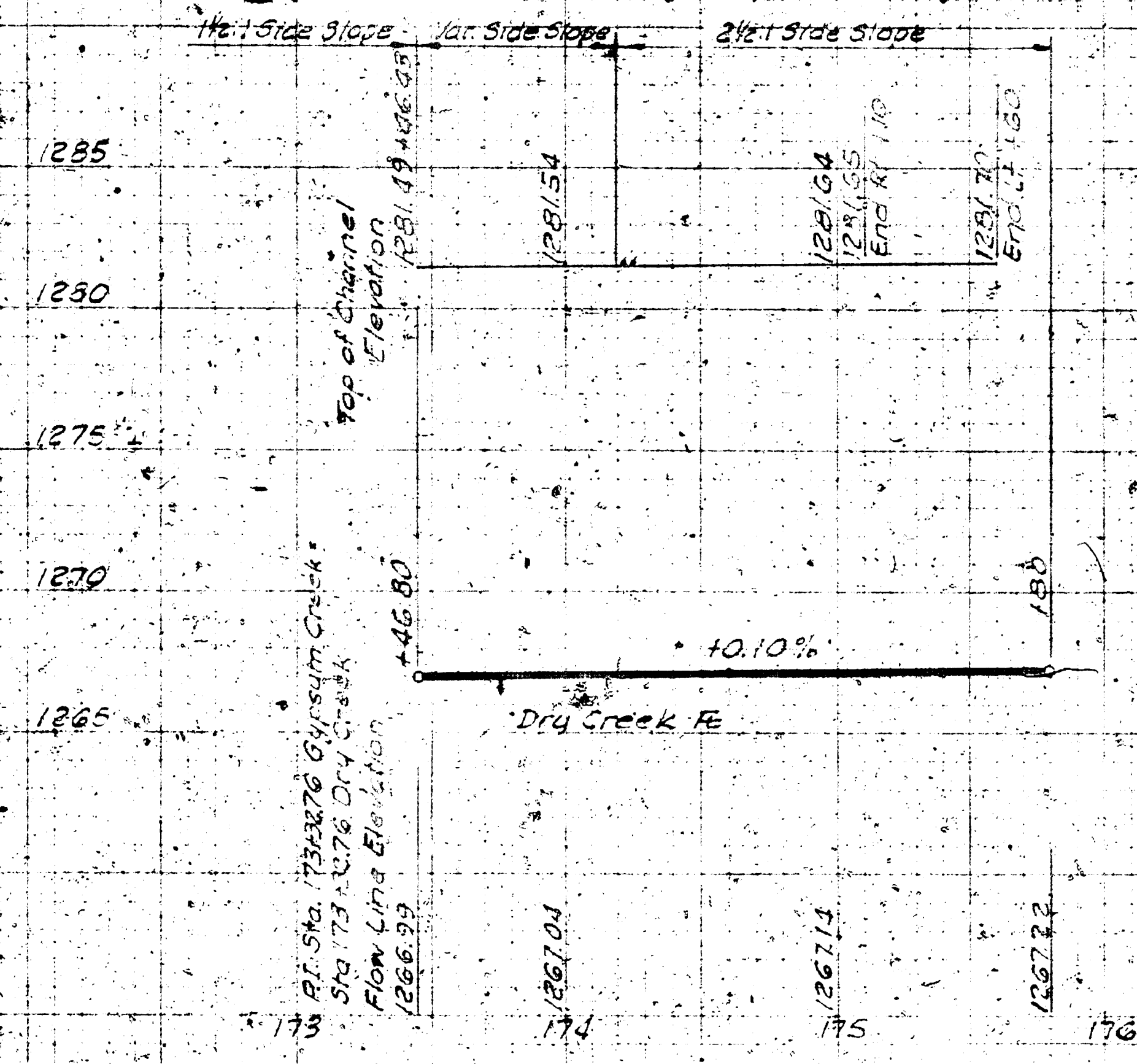
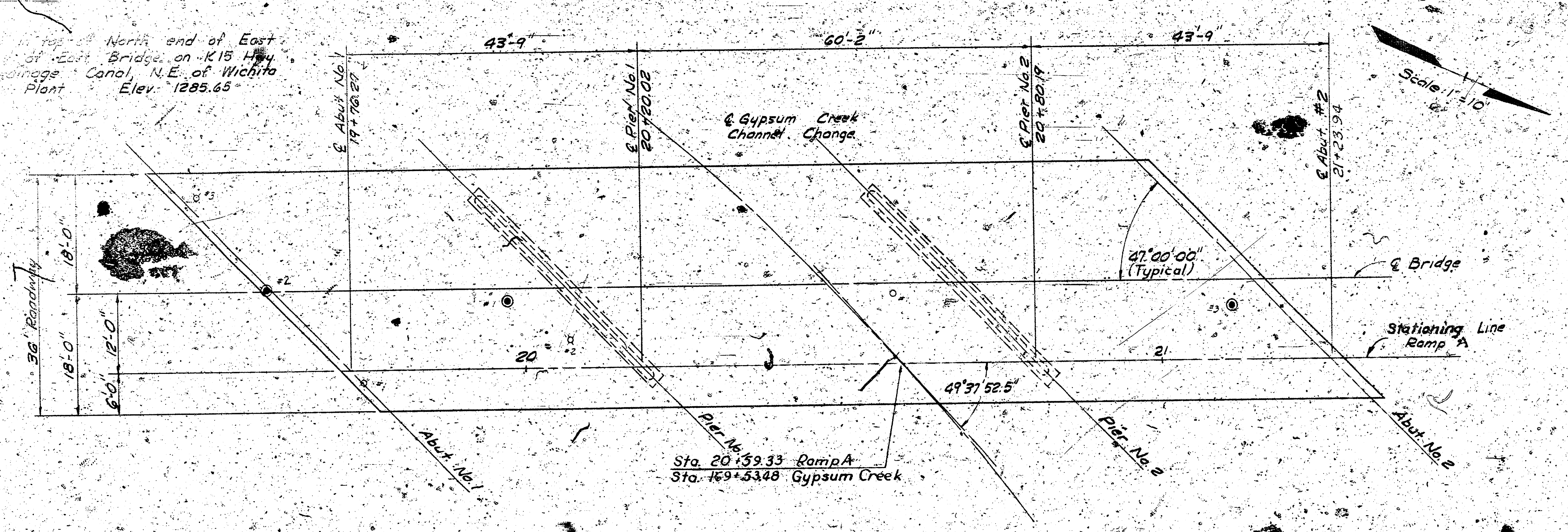


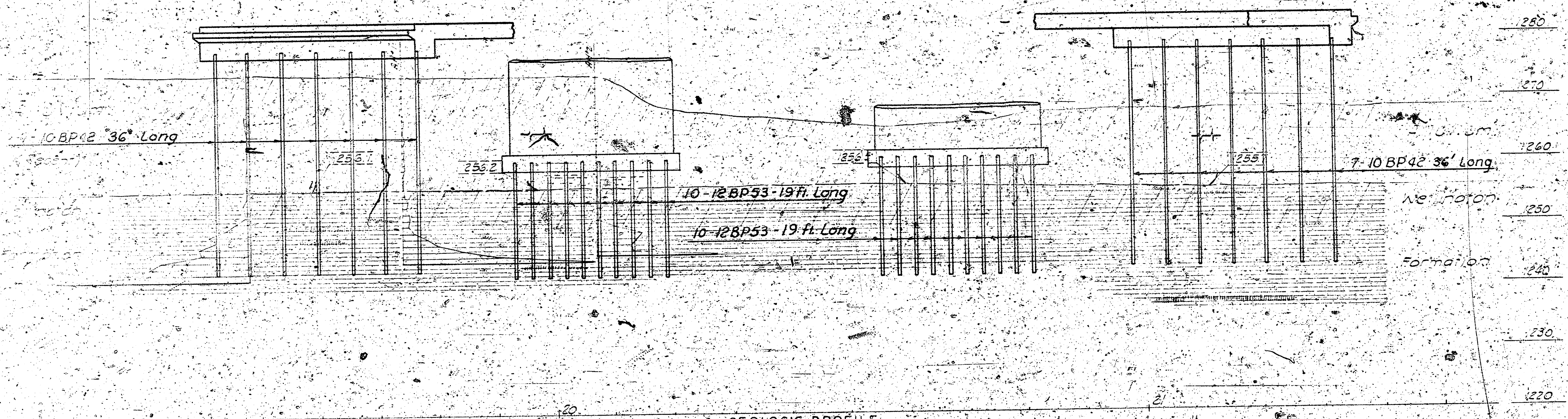
GYPSUM CREEK PROFILE



DRY CREEK PROFILE

See Sheet No.





GEOLOGIC PROFILE

Silt, Clay, Sand, transported Shale

Weathered Shale

Shale

Shale & gypsum

000.0 Elevation interpolated, or from adjacent sounding

Soundings
◉ Core drill
¤ Air hammer drive
○ Hand auger

Water level May, 1964

Graphic representation of Drive Test in Seconds per foot penetration

300 200 100 0

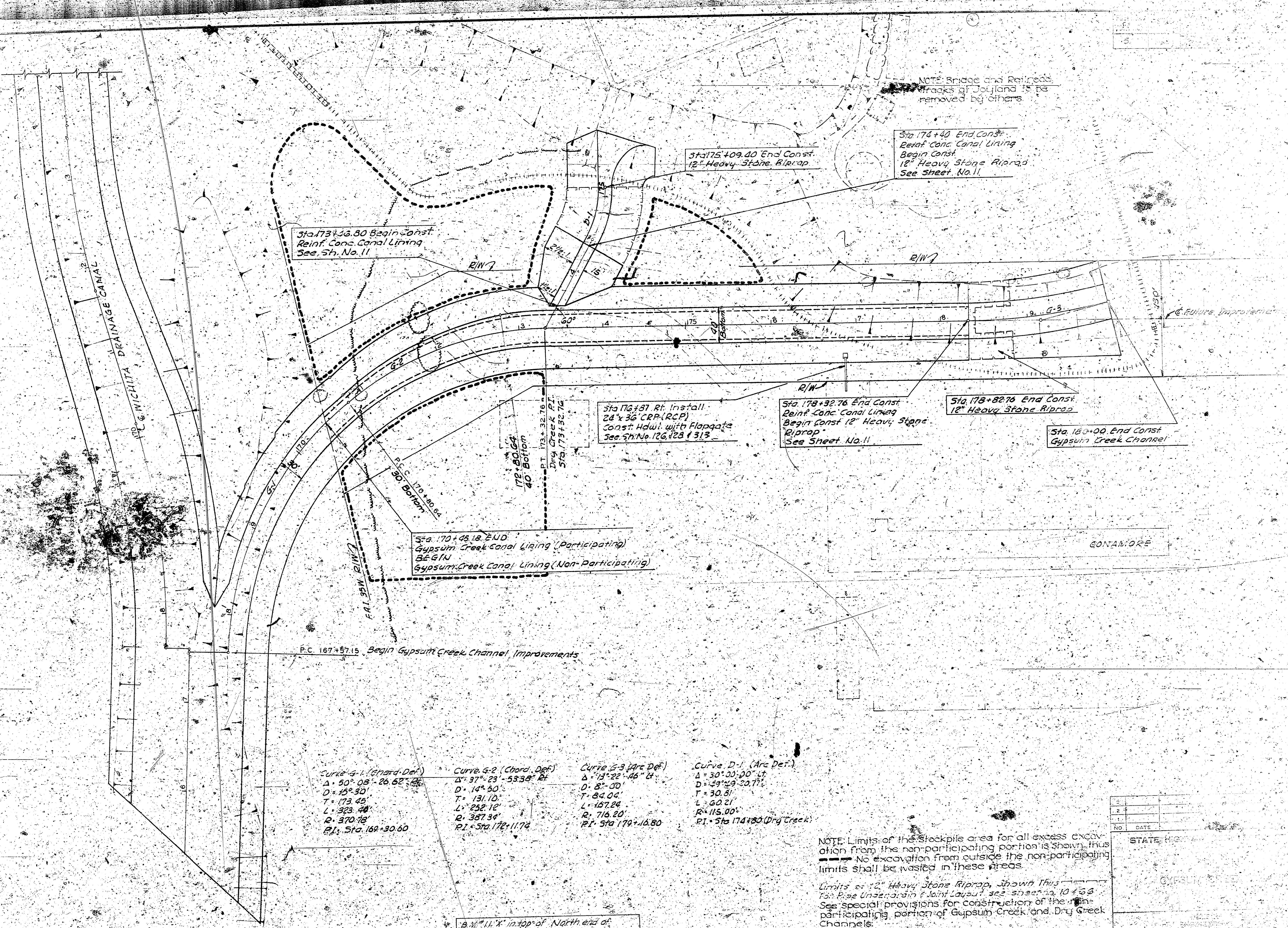
AIR HAMMER DRIVE TEST
Scale 1" = 60 Seconds Horiz.

NOTE:
The soundings shown on these plans are taken from notes obtained in the field and represent the best information available to the Kansas Highway Commission.
The logs of these soundings are in the files of the State Highway Commission of Kansas and are available at their offices at Topeka, Kansas for inspection by interested and qualified bidders.

Scale

NO.	DATE	REVISIONS
3		
2		
1		

STATE HIGHWAY COMMISSION OF KANSAS
BR. NO. 35W-87-11.75 STA. 20+39.33
ENGINEERING GEOLOGY
RAMP A OVER GYPSUM CREEK
PROJ. 35W-87-I 35W-
ENGINEERS
DESIGNED TRACED


NOTE: Bridge and Railroad tracks of Joyland to be removed by others
Sta 174+40 End Const Reinf Conc Canal Lining Begin Const 12" Heavy Stone Riprap See Sheet No. 11
Sta175+09.40 End Const. 12" Heavy Stone Riprap
Sta173+56.80 Begin Const. Reinf. Conc. Canal Lining See Sh. No. 11
R/W
D-1
2½:1
1½:1
14
15
60°
175
40' Bottom
G-2
G-1
G-3
170
30'
P.C.C. 170+80.64 30' Bottom
172+80.64 40' Bottom
P.T. 173+32.76
Dry Creek P.I. Sta 173+32.76
Sta 176+87 Rt. Install 24"x 36" CRP-(RCP) Const. Hdwl. with Flapgate See Sh. No. 126, 128 & 313
Sta 178+32.76 End Const Reinf Conc Canal Lining Begin Const 12" Heavy Stone Riprap See Sheet No. 11
Sta 178+82.76 End Const 12" Heavy Stone Riprap
Sta 180+00 End Const Gypsum Creek Channel
Future Improvement
Sta 170+45.18 END Gypsum Creek Canal Lining (Participating) BEGIN Gypsum Creek Canal Lining (Non-Participating)
F.A.I. 35W R/W
℄ Wichita Drainage Canal
P.C. 167+57.15 Begin Gypsum Creek Channel Improvements
CONAMORE

Curve G-1 (Chord Def)
Δ = 50°-08'-26.62" Rt
D = 15°-30'
T = 173.45'
L = 323.48'
R = 370.78'
P.I. Sta 169+30.60

Curve G-2 (Chord Def)
Δ = 37°-23'-53.38" Rt
D = 14°-50'
T = 131.10'
L = 252.12'
R = 387.34'
P.I. = Sta 172+11.74

Curve G-3 (Arc Def)
Δ = 13°-22'-46" Lt
D = 8°-00'
T = 84.04'
L = 167.24
R = 716.20'
P.I. Sta 179+16.80

Curve D-1 (Arc Def.)
Δ = 30°-00'-00" Lt
D = 49°-49-20.77"
T = 30.81
L = 60.21
R = 115.00'
P.I. = Sta 174+80 (Dry Creek)

NOTE: Limits of the stockpile area for all excess excavation from the non-participating portion is shown thus ▬ ▬ ▬ No excavation from outside the non-participating limits shall be wasted in these areas.

Limits of 12" Heavy Stone Riprap, Shown Thus
For Pipe Underdrain & Joint Layout see sheet no. 10 & 66
See special provisions for construction of the non-participating portion of Gypsum Creek and Dry Creek Channels.

B.M. #11 "X" in top of North end of East hubguard of East bridge on Hwy K-15 over the Wichita Drainage Canal Elev. 1285.65

NO.	DATE
3	
2	
1	

STATE H