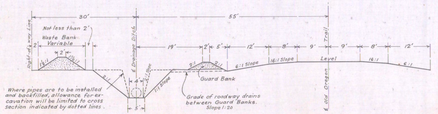
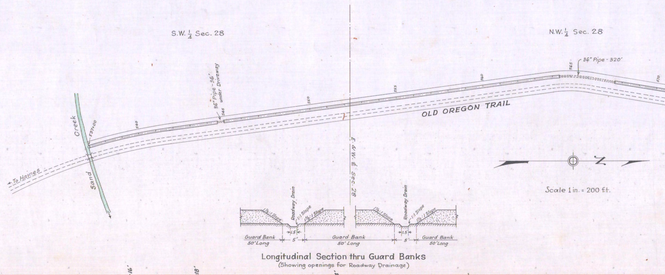
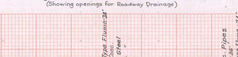
OREGON STATE HIGHWAY DEPARTMENT

Plans for Drainage Ditch
HAINES - NORTH SECTION
OLD OREGON TRAIL
BAKER COUNTY

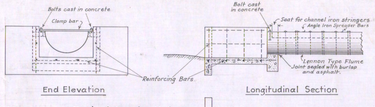
Scales as shown. August, 1929



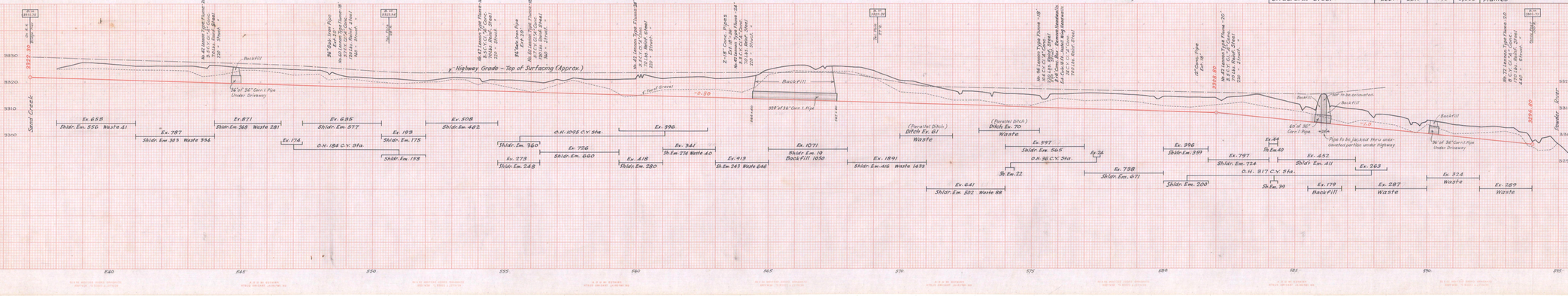




Longitudinal Section thru Guard Banks
(Showing openings for Roadway Drainage)



Typical Headwall for Lennon Type Flumes

SUMMARY

ITEM	UNIT	TOTAL NET QUANTITIES	ALLOW. FOR SLIDES, R.R. EXTRA DRAINAGE ETC.	GRAND TOTAL	REMARKS
Clearing & Grubbing	All			All Reqd.	
Excavation	Cu. Yds.	15008	992	16,000	
Overhaul	C.Y. Sta.	1432	568	2,000	
12" Concrete Culverts	Lin. Ft.	18	2	20	Culvert Extensions
18" " "	" "	36	4	40	
36" Corr. Iron "	" "	40	0	40	
36" Corr. Iron Pipe	" "	452	48	500	In Main Ditch
Class "A" Concrete	Cu. Yds.	71.5	8.5	80	Box Culverts and Flumes
Reinforcing Steel	Lbs.	1680	320	2,000	" " " "
#32 Lennon Type Flume	Lin. Ft.	104	16	120	
#60 " " "	" "	36	4	40	
#72 " " "	" "	20	2	22	
#96 " " "	" "	18	2	20	
Structural Steel	Lbs.	2810	190	3,000	Flumes