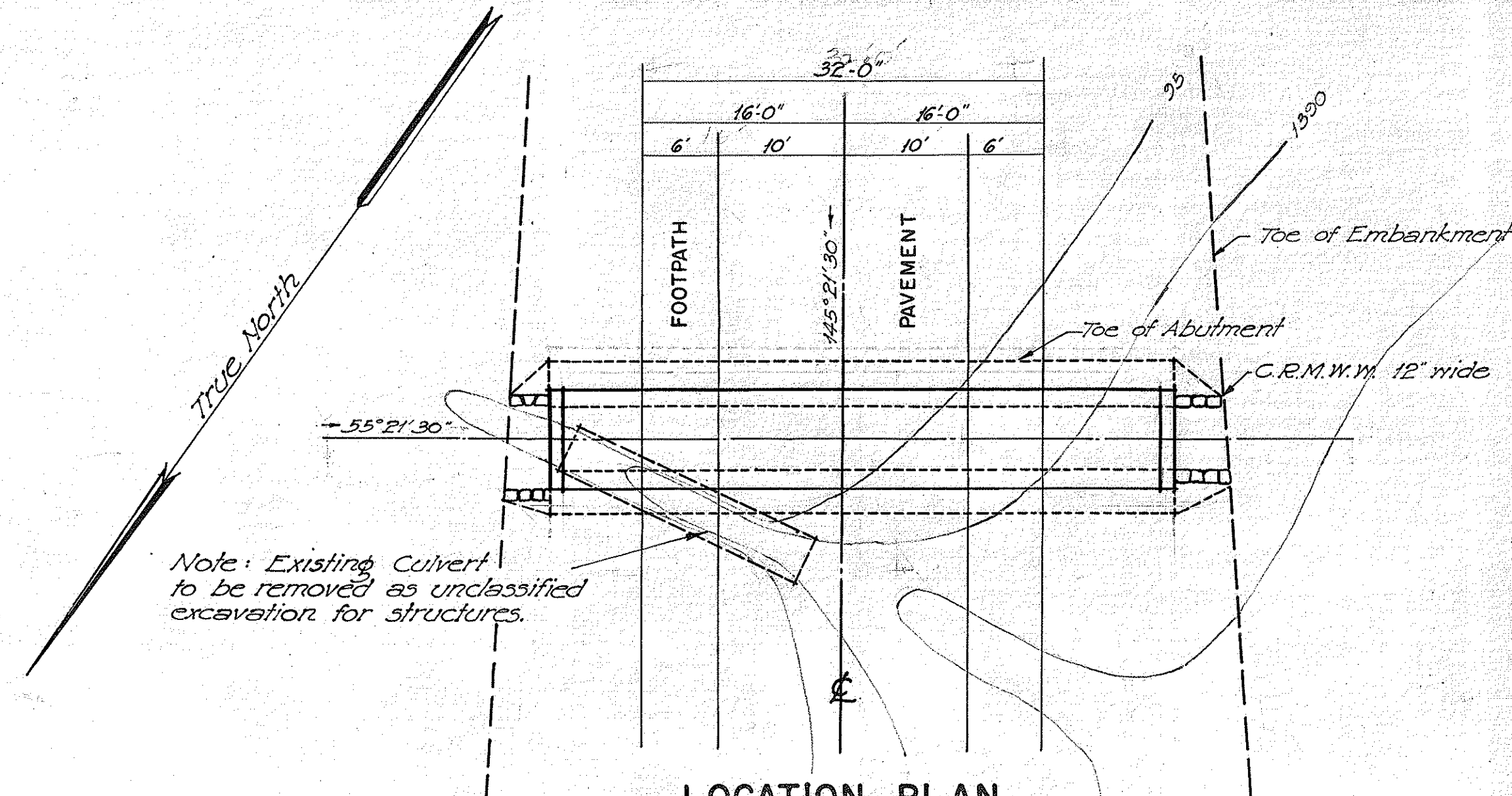


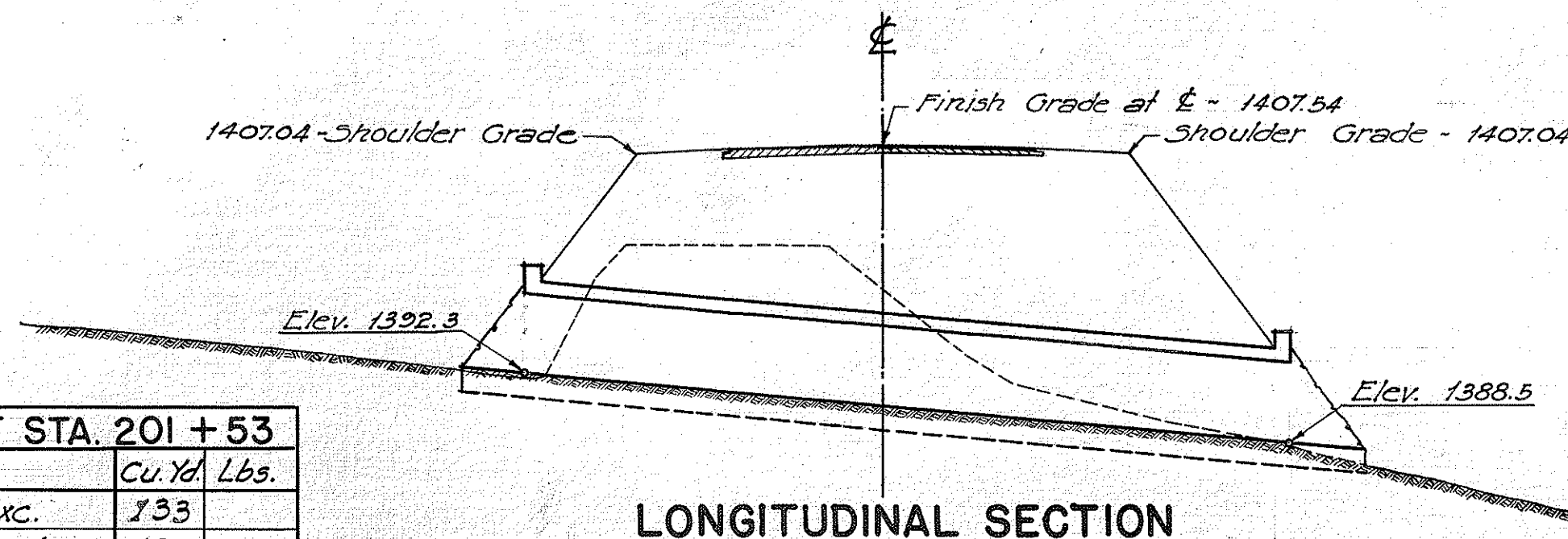
DETAIL OF 5' X 5' CULVERT AT STATION 201+53

DETAIL OF 6' X 6' CULVERT AT STATION 220+37

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	WPH 8F	1935	10	19



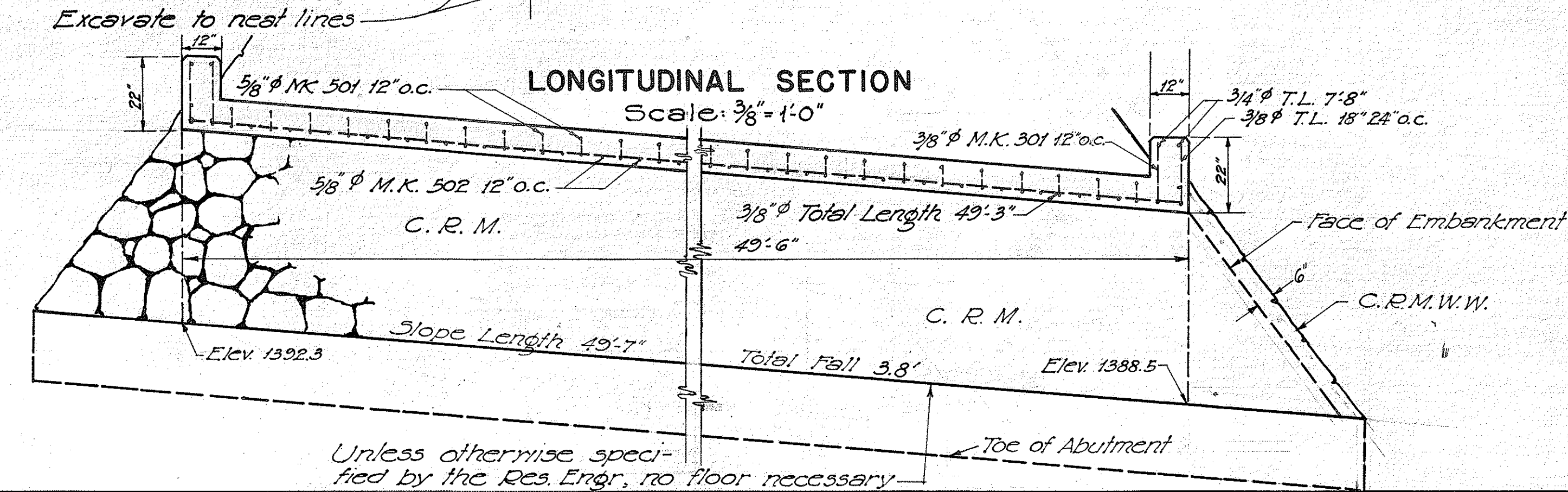
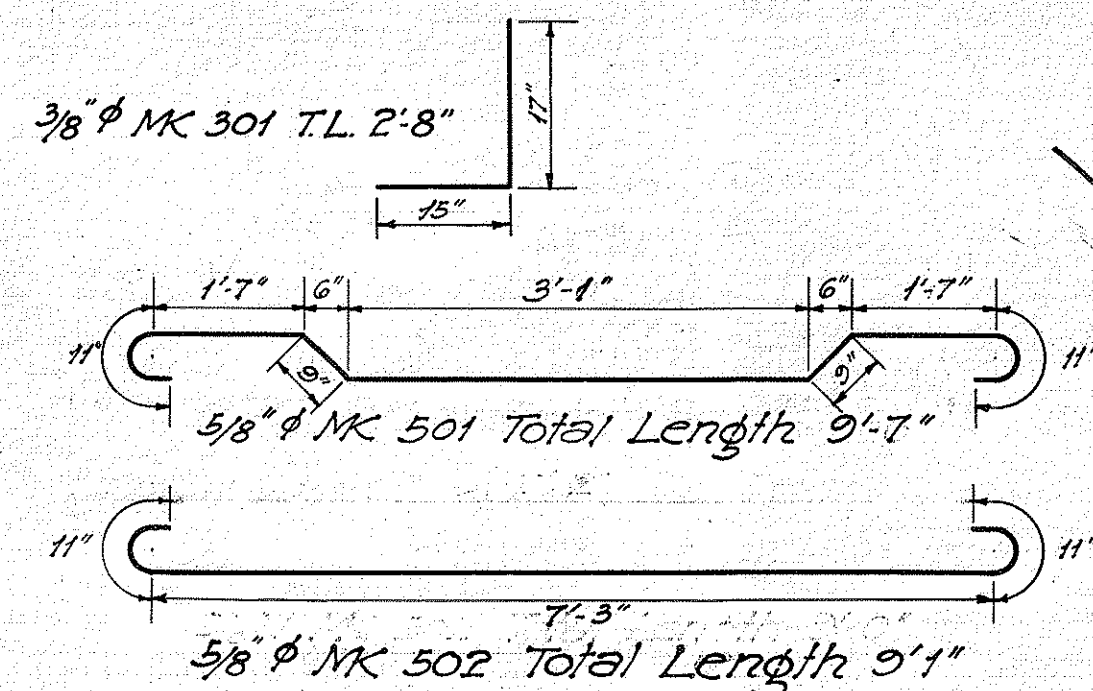
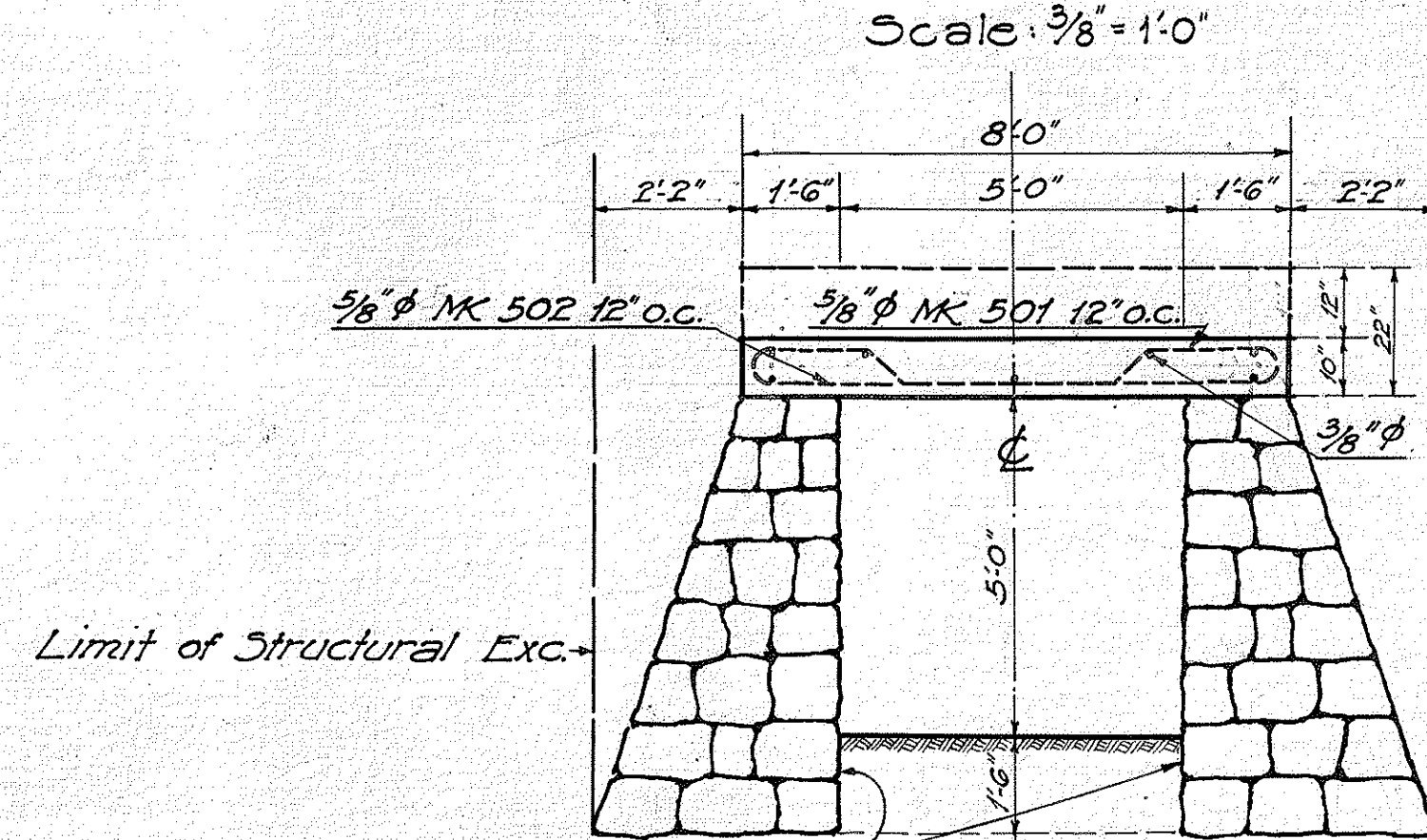
LOCATION PLAN
Scale: 1"=10'



LONGITUDINAL SECTION
Scale: 1"=10'

Item	Cu.Yd	Lbs.
Structural Exc.	133	
Class A Concrete	130	
Reinforcing Steel		1130
C.R.M.	66	

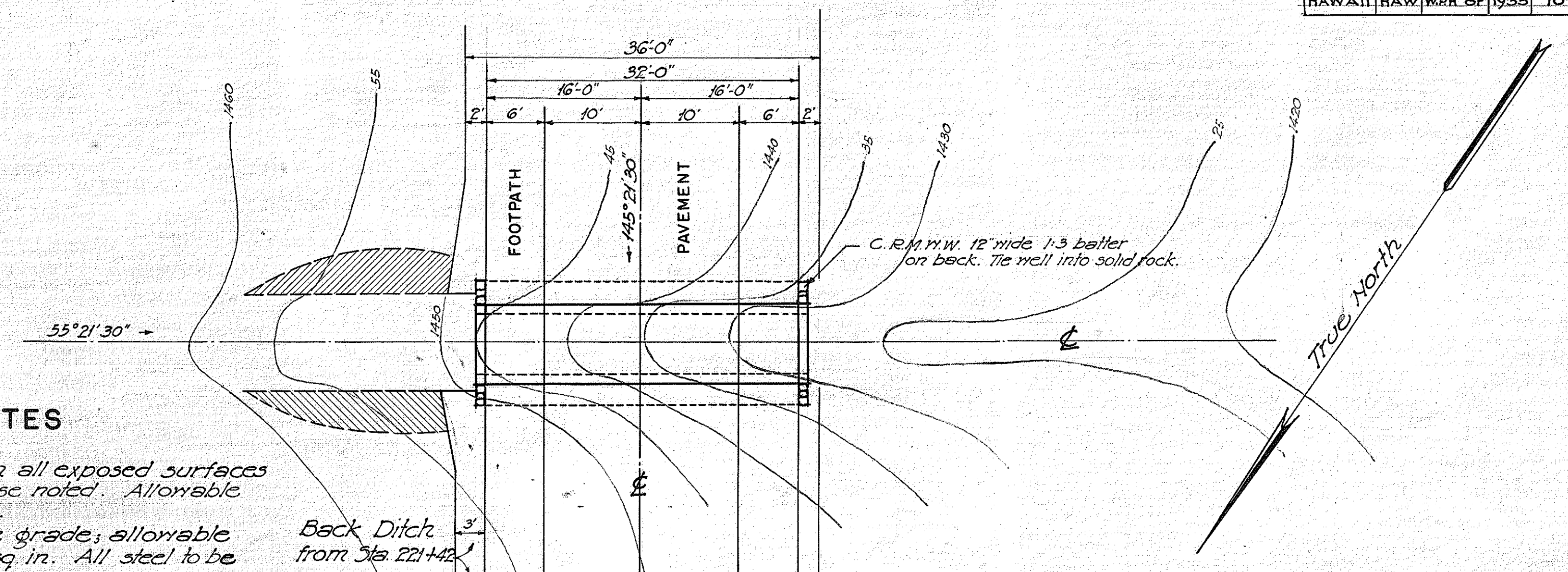
SECTION THRU TRUNK
Scale: 3/8"=1'-0"



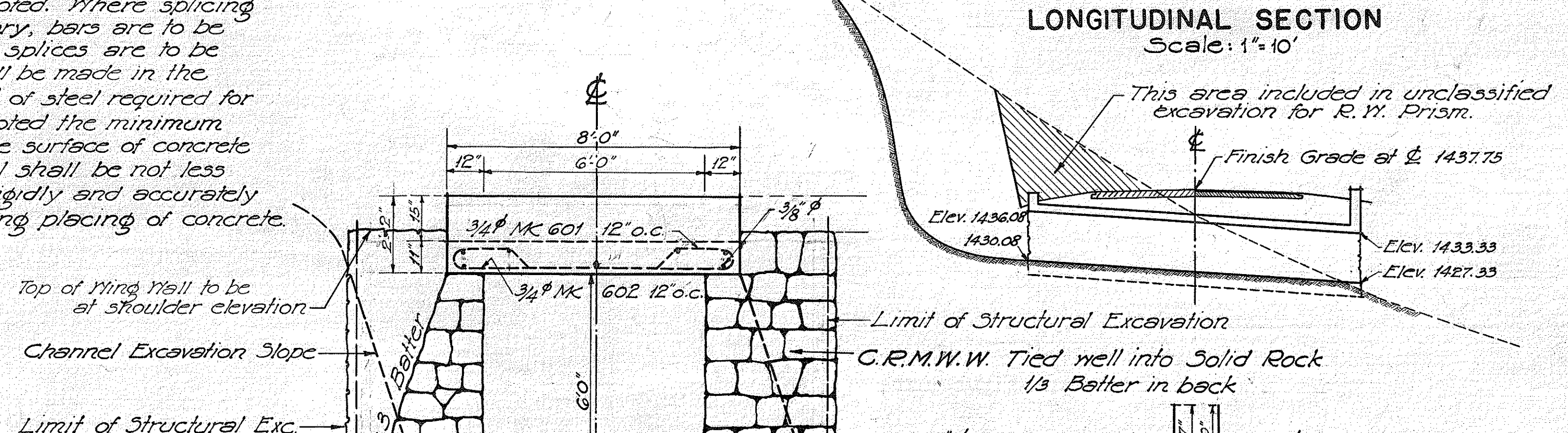
Unless otherwise specified by the Res. Engr., no floor necessary

GENERAL NOTES

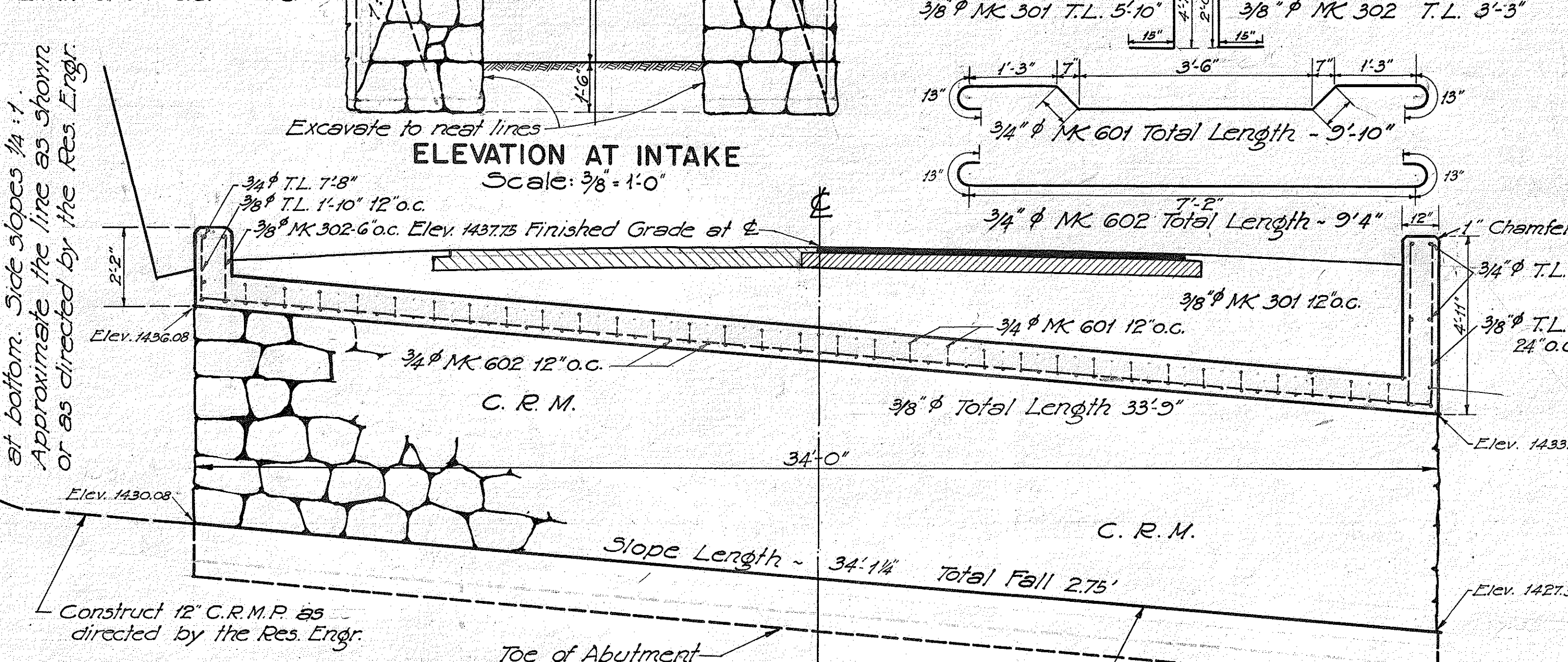
Concrete: Class A (1:2:4 mix) with all exposed surfaces chamfered 1" unless otherwise noted. Allowable compression 650* per sq. in.
Reinforcing Steel: Intermediate grade, allowable tensile strength 18,000* per sq. in. All steel to be round or square bars of approved design, square twisted bars not to be considered deformed. All dimensions relating to reinforcement are to center of bars unless otherwise noted. Where splicing of reinforcement is necessary, bars are to be lapped 40 diameters and splices are to be staggered. No allowance will be made in the quantities for extra weight of steel required for splices. Unless otherwise noted the minimum covering measured from the surface of concrete to the surface of any steel shall be not less than 2". Steel to be held rigidly and accurately in place before and during placing of concrete.



LOCATION PLAN
Scale: 1"=10'



LONGITUDINAL SECTION
Scale: 1"=10'



ELEVATION AT INTAKE
Scale: 3/8"=1'-0"

Item	Cu.Yd	Lbs.
Structural Exc.	110	
Unclassified Exc.	110	
Class A Concrete	11	
Reinforcing Steel		1150
C.R.M.	52	

LONGITUDINAL SECTION
Scale: 3/8"=1'-0"

TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII
DETAILS OF CULVERTS AT
STA. 201+53 & STA. 220+37
F.A.P. 8F-SOUTH KONA
ISLAND OF HAWAII
Scales As Noted