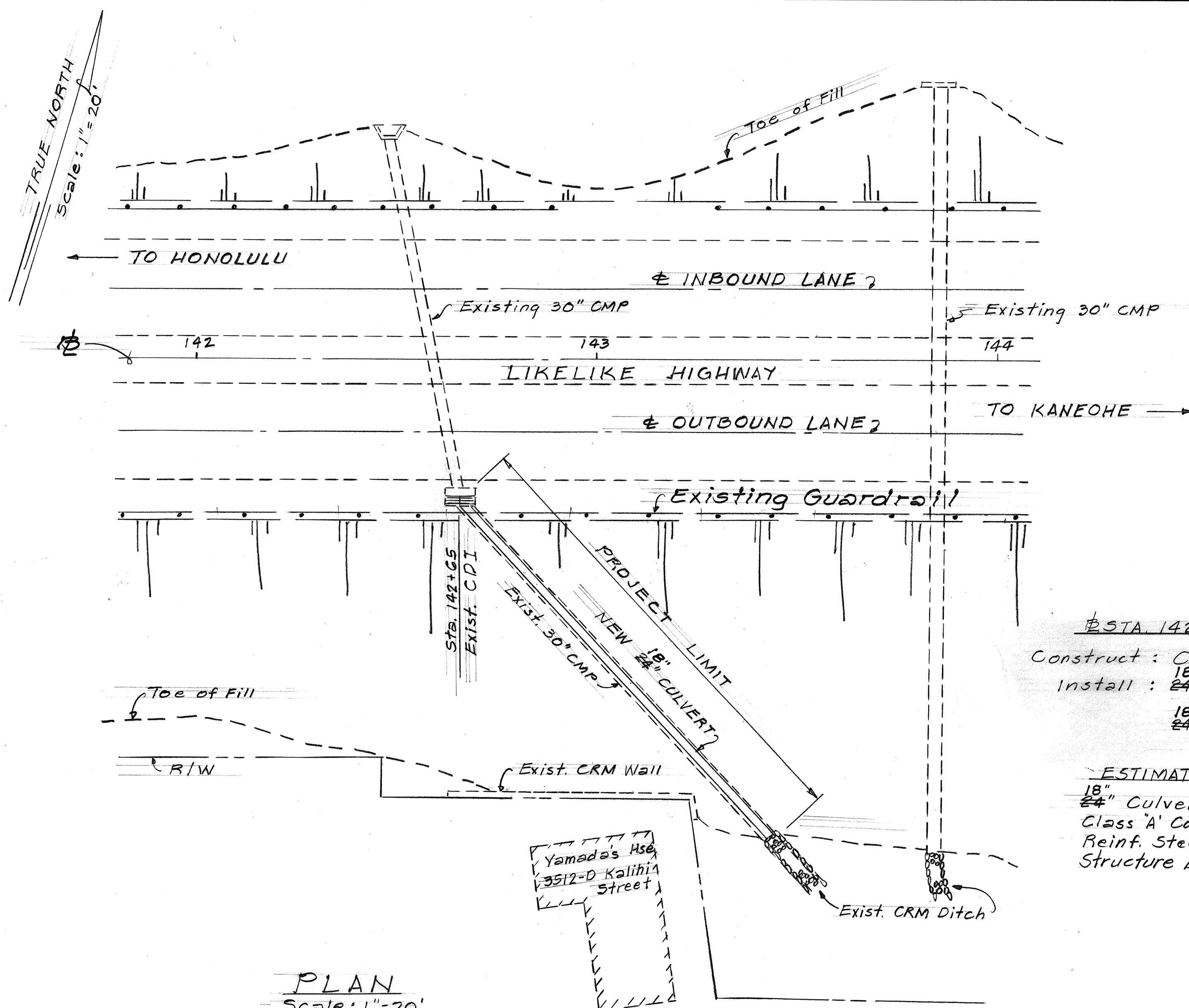


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	G3A-01-92M	1992	3	3



PLAN
Scale: 1"=20'

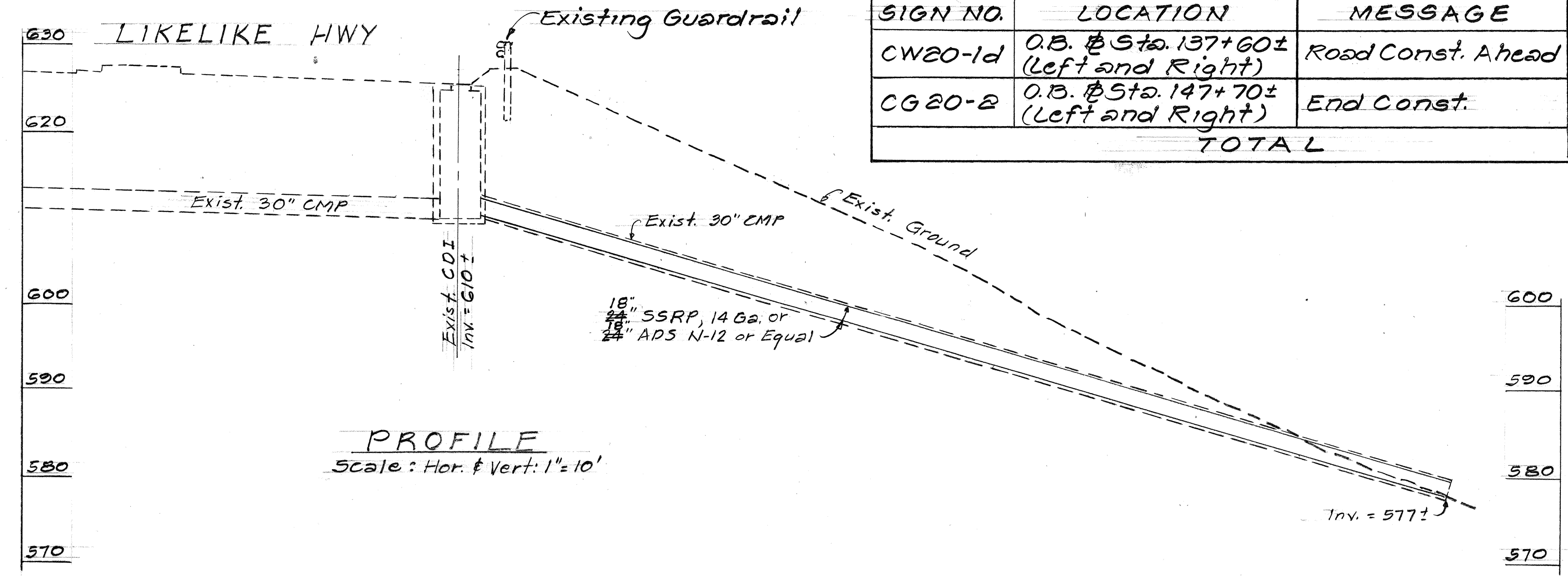
STA. 142+65± to STA. 143+50± RT.
Construct: Conc. Headwall
Install: 18" Spiral Steel Rib
18" Pipe, 14 Ga. or
18" Advanced Drainage
System N-12 or Equal

ESTIMATED QUANTITIES

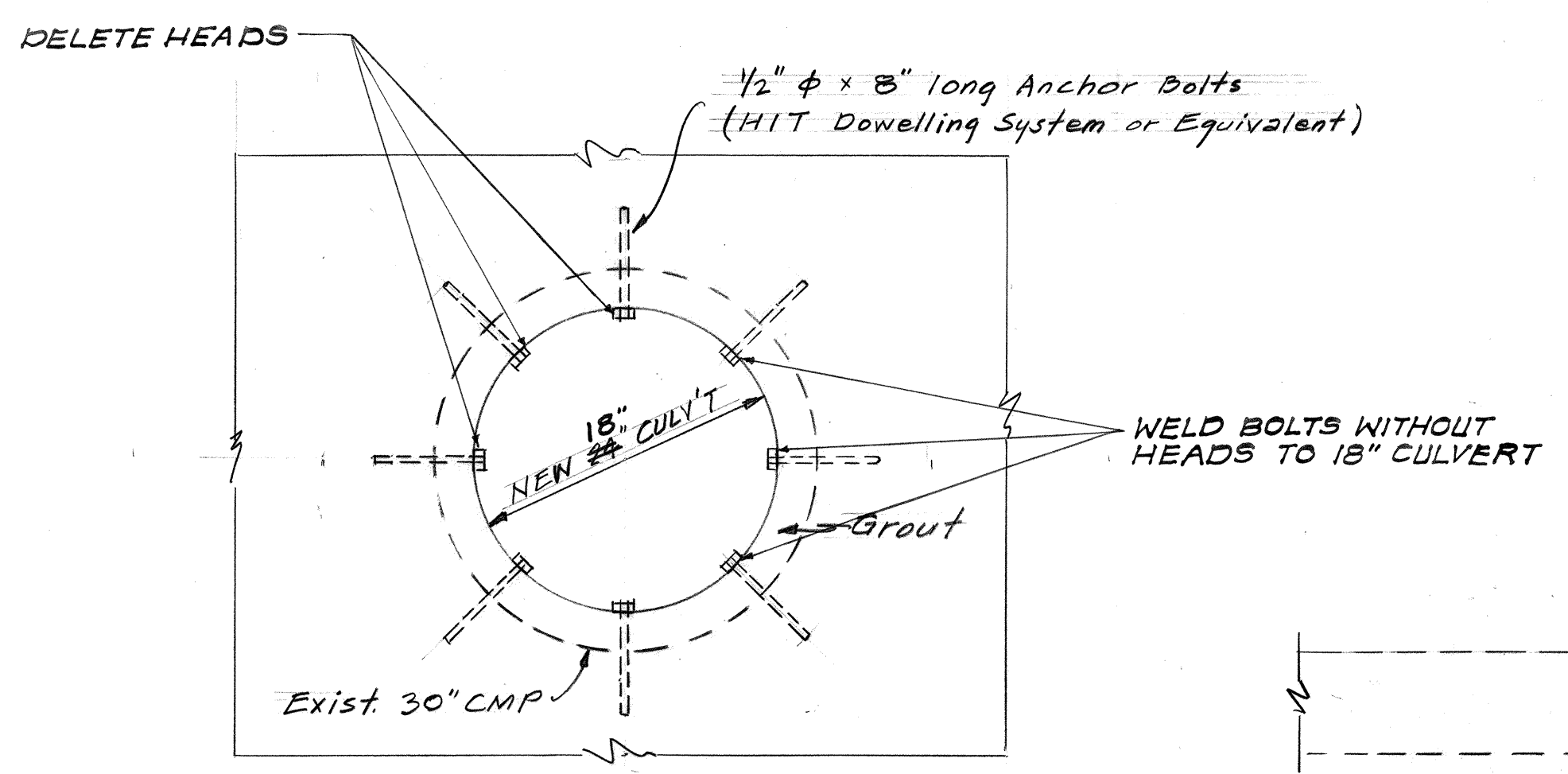
18" Culvert	= 120 L.F.
Class 'A' Concrete	= 1.5 c.y.
Reinf. Steel	= 45 lb.
Structure Exc.	= 6 c.y.

CONSTRUCTION SIGN SUMMARY

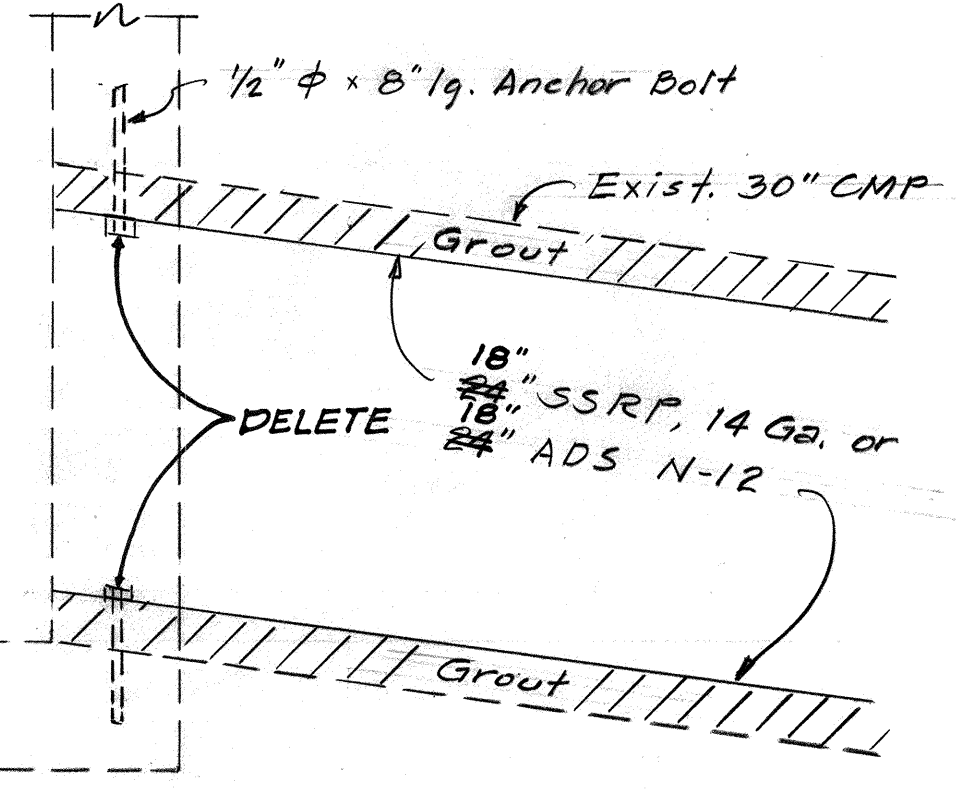
SIGN NO.	LOCATION	MESSAGE	W/Post
CW20-1d	O.B. Sta. 137+60± (Left and Right)	Road Const. Ahead	2
CG20-2	O.B. Sta. 147+70± (Left and Right)	End Const.	2
TOTAL			4



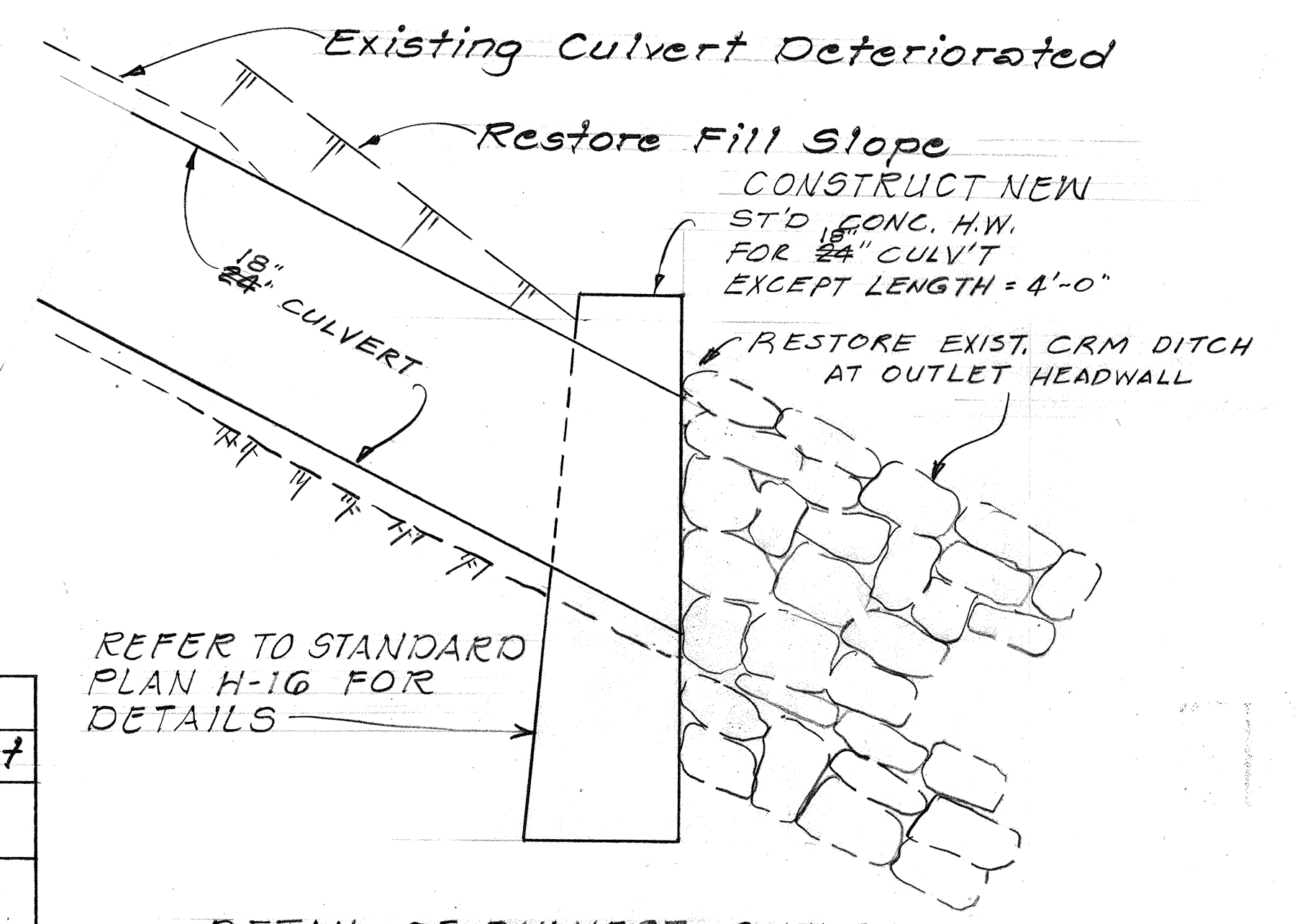
PROFILE
Scale: Hor. & Vert: 1"=10'



INLET & OUTLET CONNECTION
TO CONCRETE STRUCTURE
SCALE: 1"=1'-0"



DETAIL OF CULVERT INLET
SCALE: 1"=1'-0"



REFER TO STANDARD
PLAN H-16 FOR
DETAILS

DETAIL OF CULVERT OUTLET
SCALE: 3/4"=1'-0"

- GENERAL NOTES:
1. Project location is approximately 0.3 miles South of Burmeister Overpass on Likeline Highway.
 2. The new 18" culvert shall be installed within the existing 30" corrugated steel pipe.
 3. Existing drainage systems will be functional at all times during construction. The Contractor is to furnish materials, equipment, labor, tools and incidentals necessary to maintain flow. The cost for this work shall be incidental to the new 18" culvert.
 4. The grouting, anchor bolts, restoring embankment and connection to existing CRM ditch shall not be paid for separately but shall be considered incidental to the new 18" culvert.

5- The Contractor shall verify the locations of all existing culverts and utilities in the field. Any existing culverts and utilities damaged during construction shall be repaired or replaced by the Contractor at his own expense.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
DRAINAGE PLAN, PROFILE & DETAILS
LIKELINE HIGHWAY
DRAINAGE CULVERT REPAIR
VICINITY OF BURMEISTER OVPS
PROJ. NO. G3A-01-92M
SCALE: AS NOTED DATE: MAR. 1992
SHEET No. 41 OF 1 SHEETS

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
	DESIGNED BY	
	CHECKED BY	
	NO.	