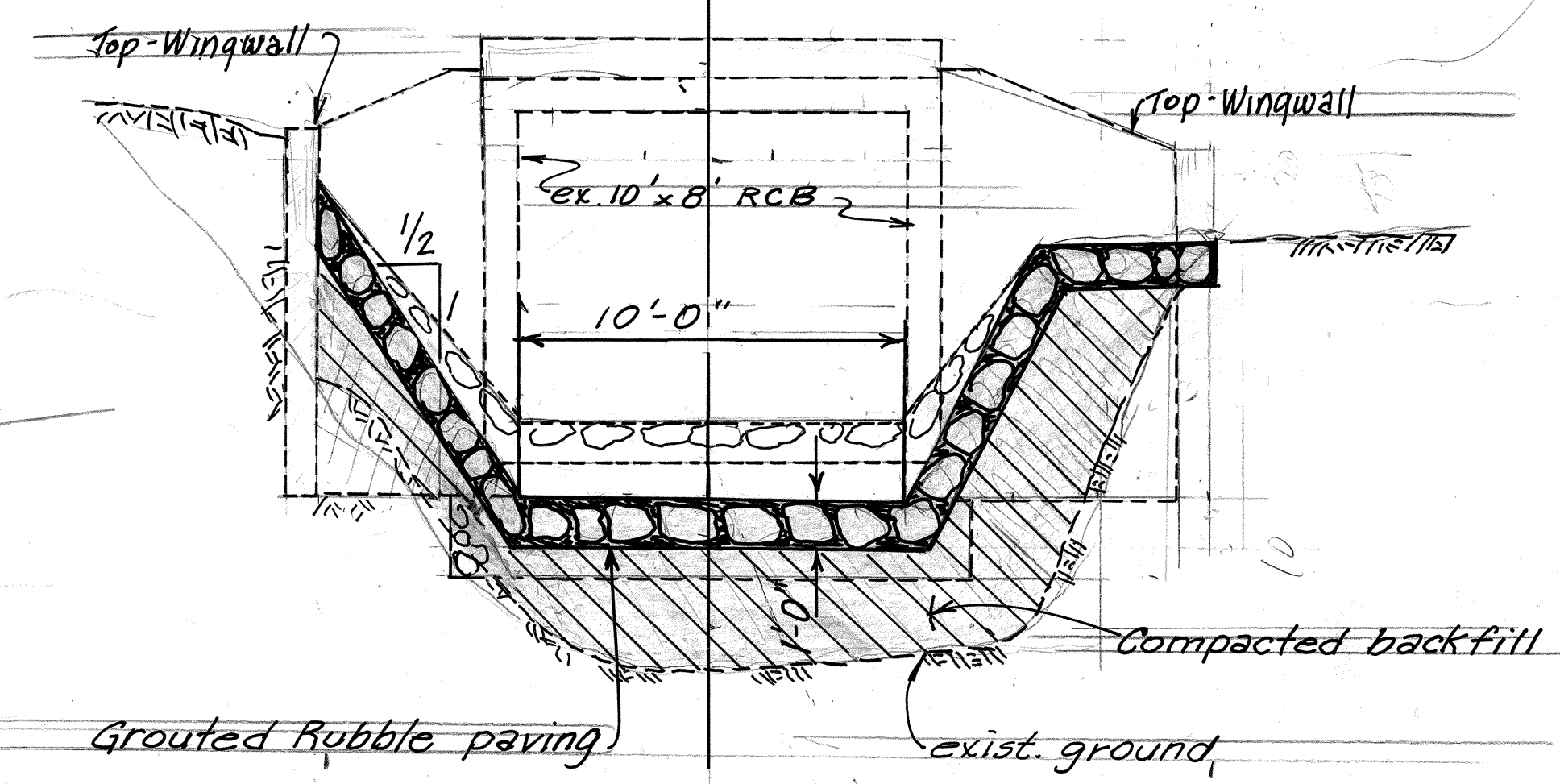
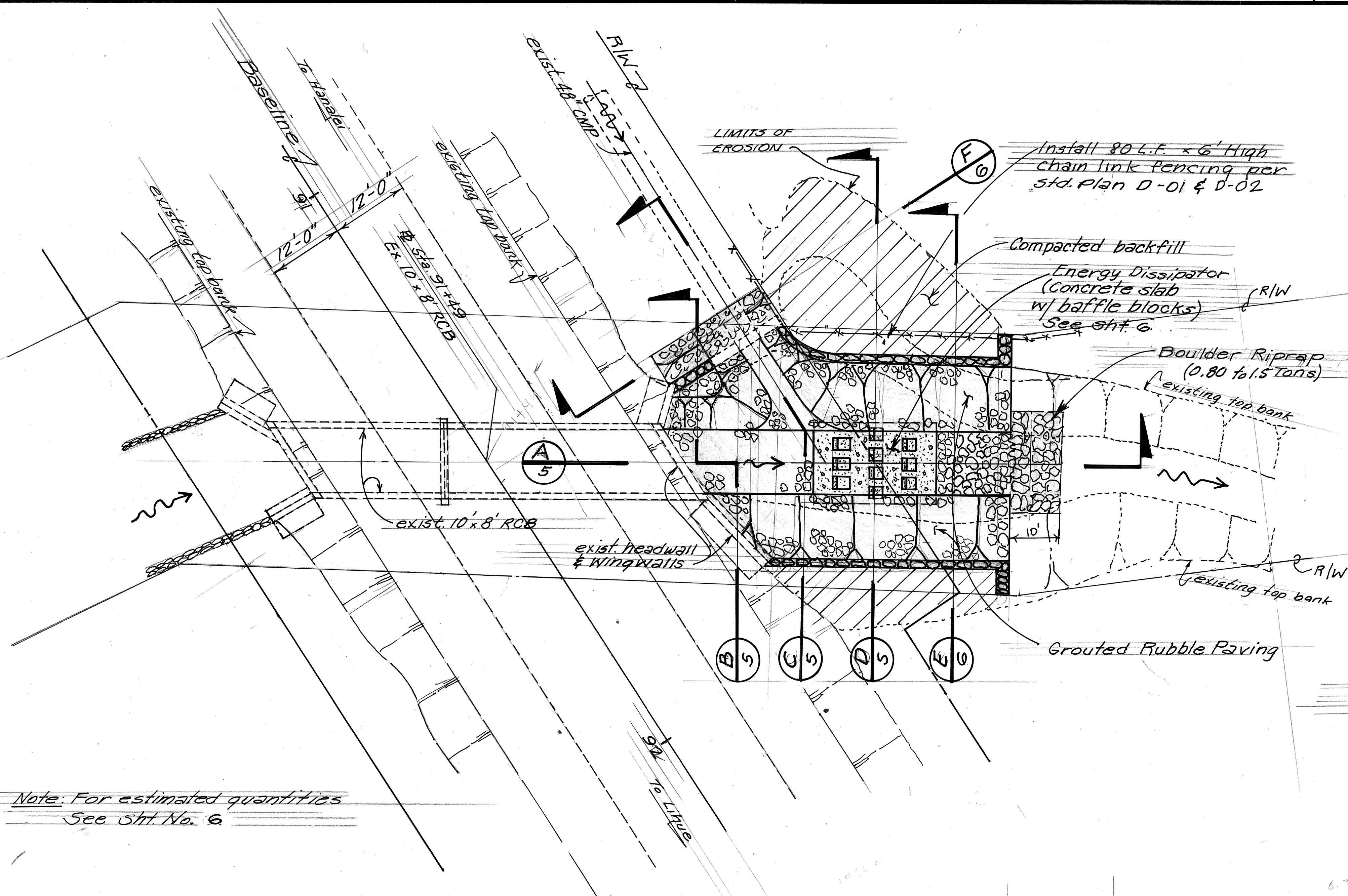
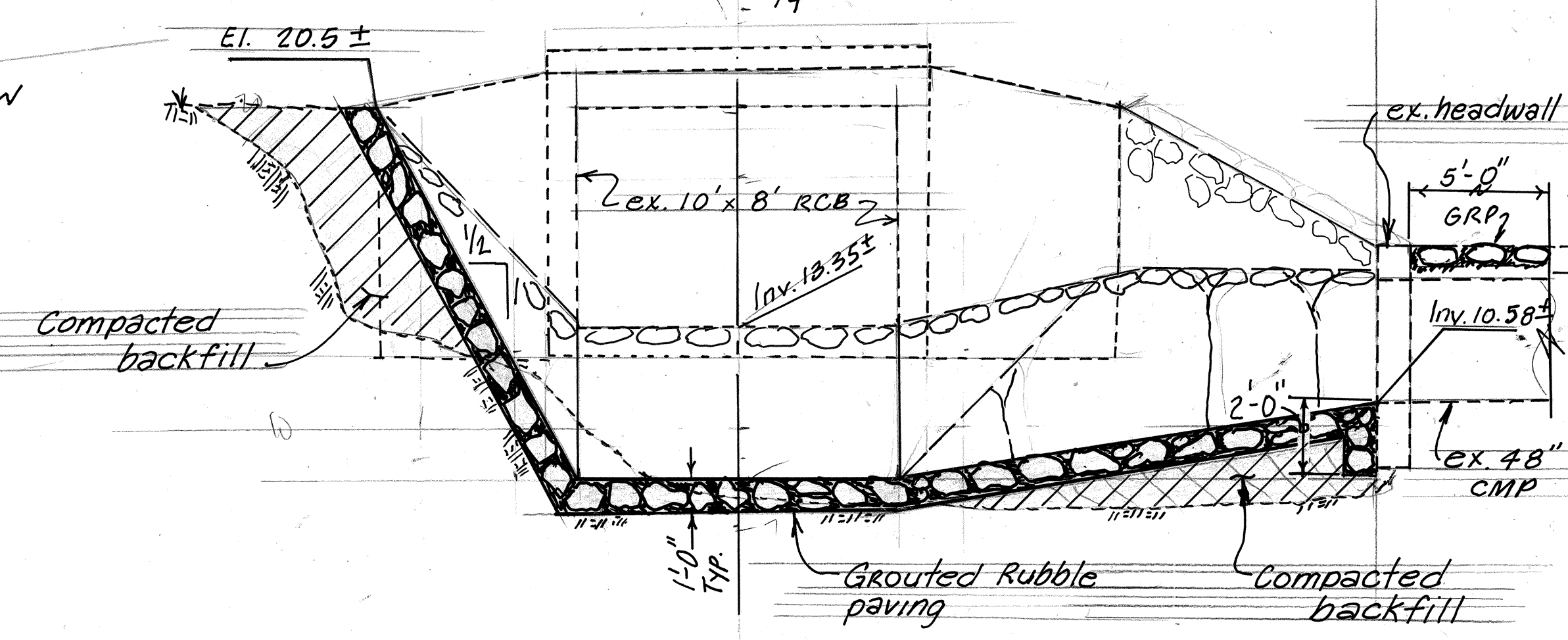


FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	56C-01-93M	1993	5	7

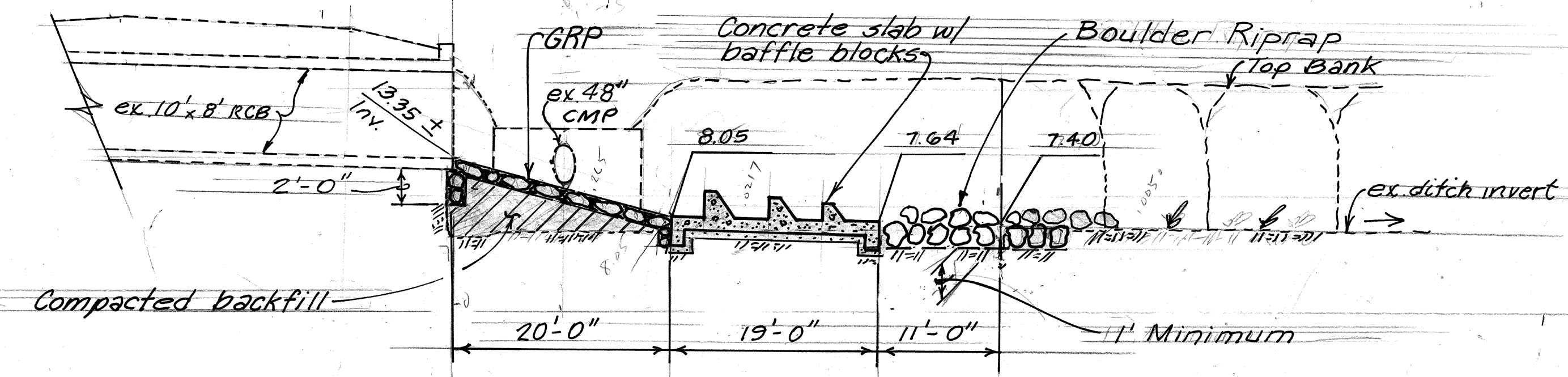


SECTION (B)
Scale: 1/4" = 1'-0"

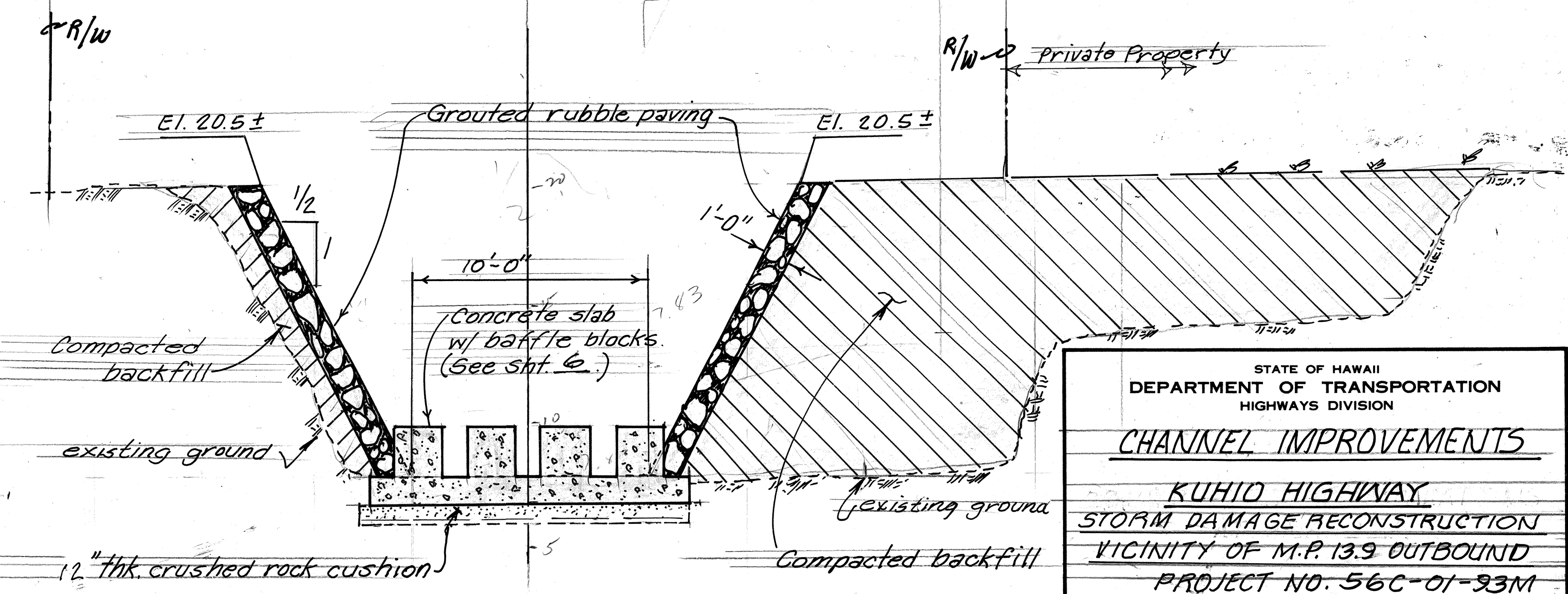


SECTION (C)
Scale: 1/4" = 1'-0"

PLAN
EXISTING 10' x 8' RCB CULVERT
@ STA. 91+49
KUHIO HIGHWAY
Scale: 1" = 10'



SECTION (A)
Scale: 1" = 10'



SECTION (D)
Scale: 1/4" = 1'-0"

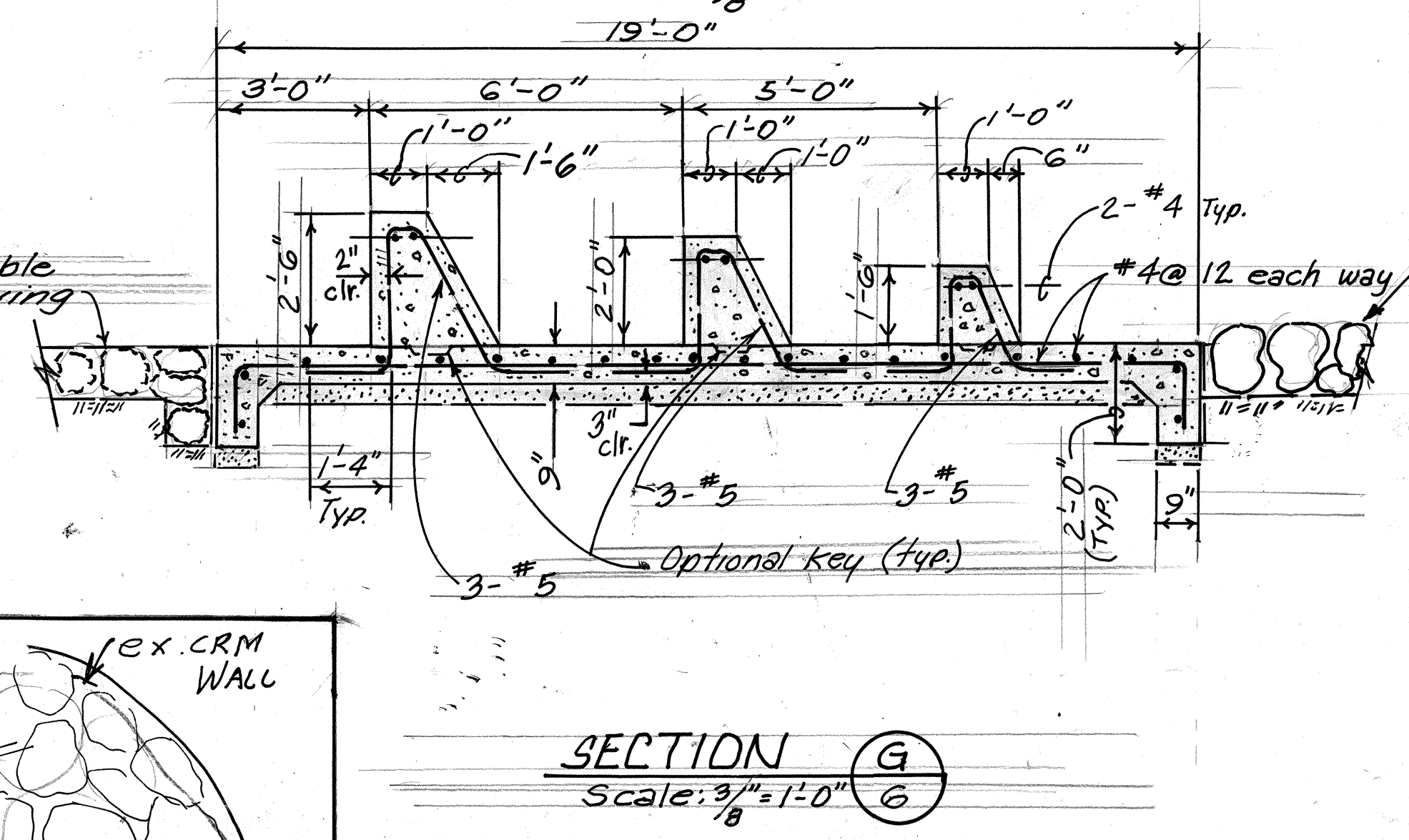
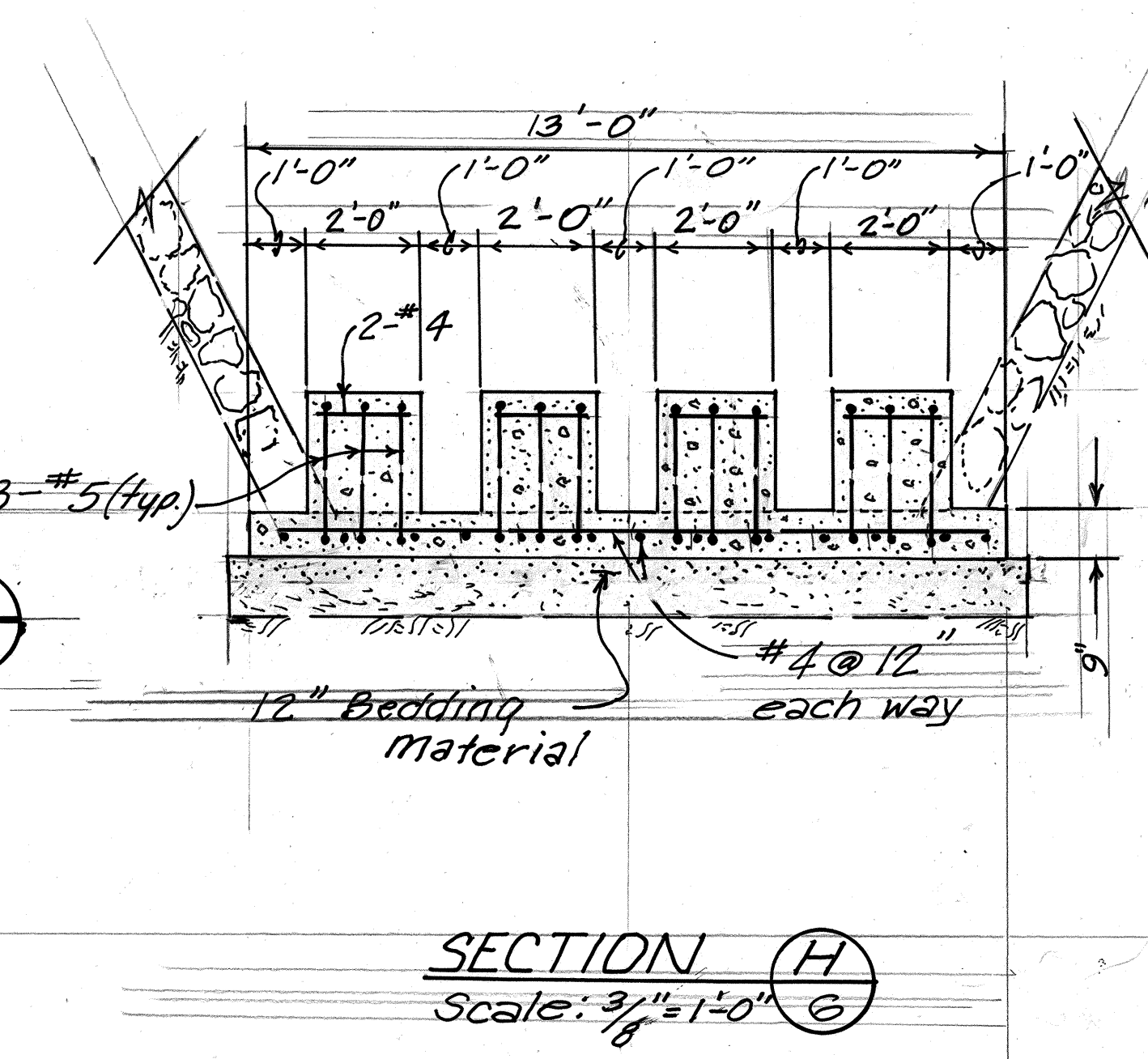
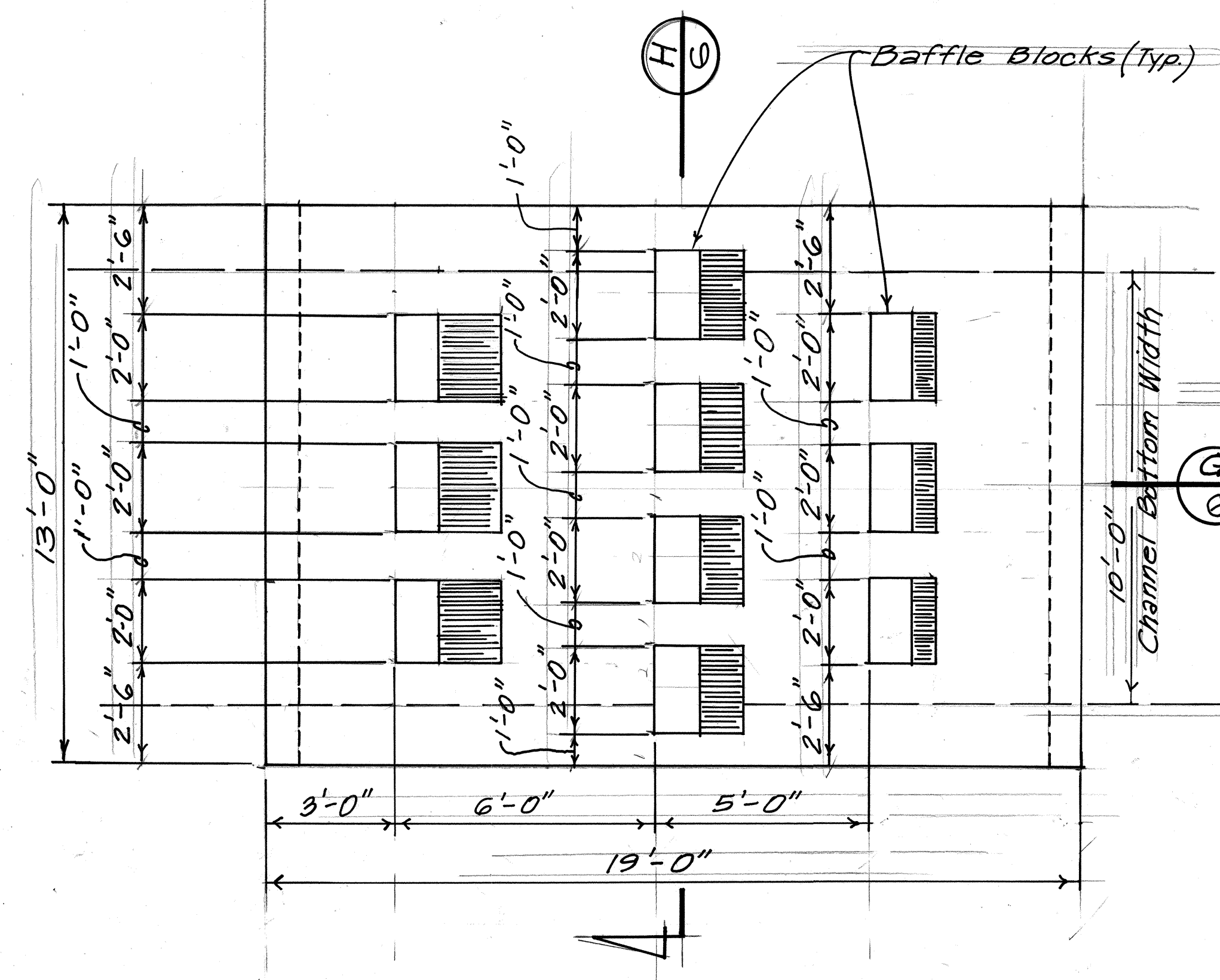
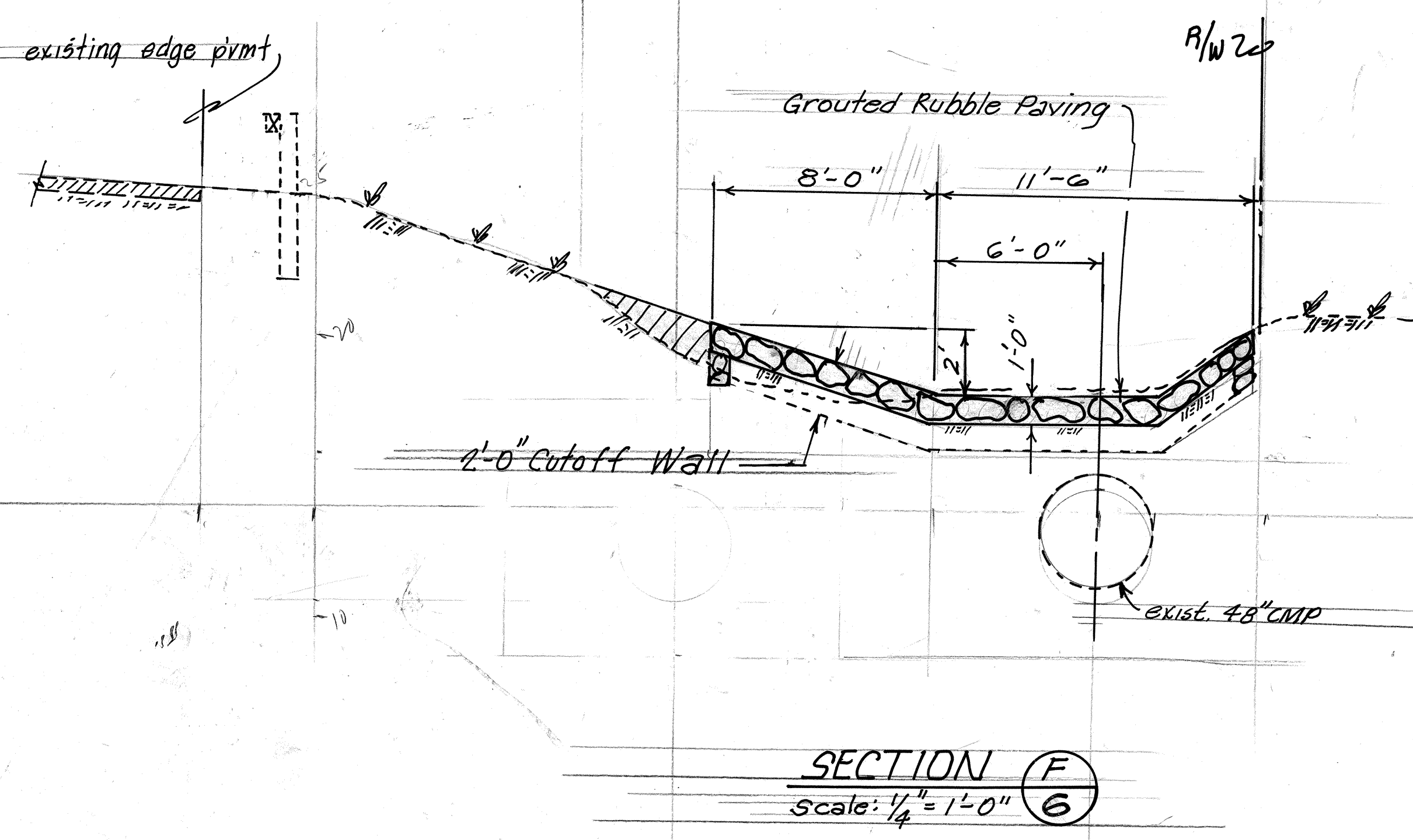
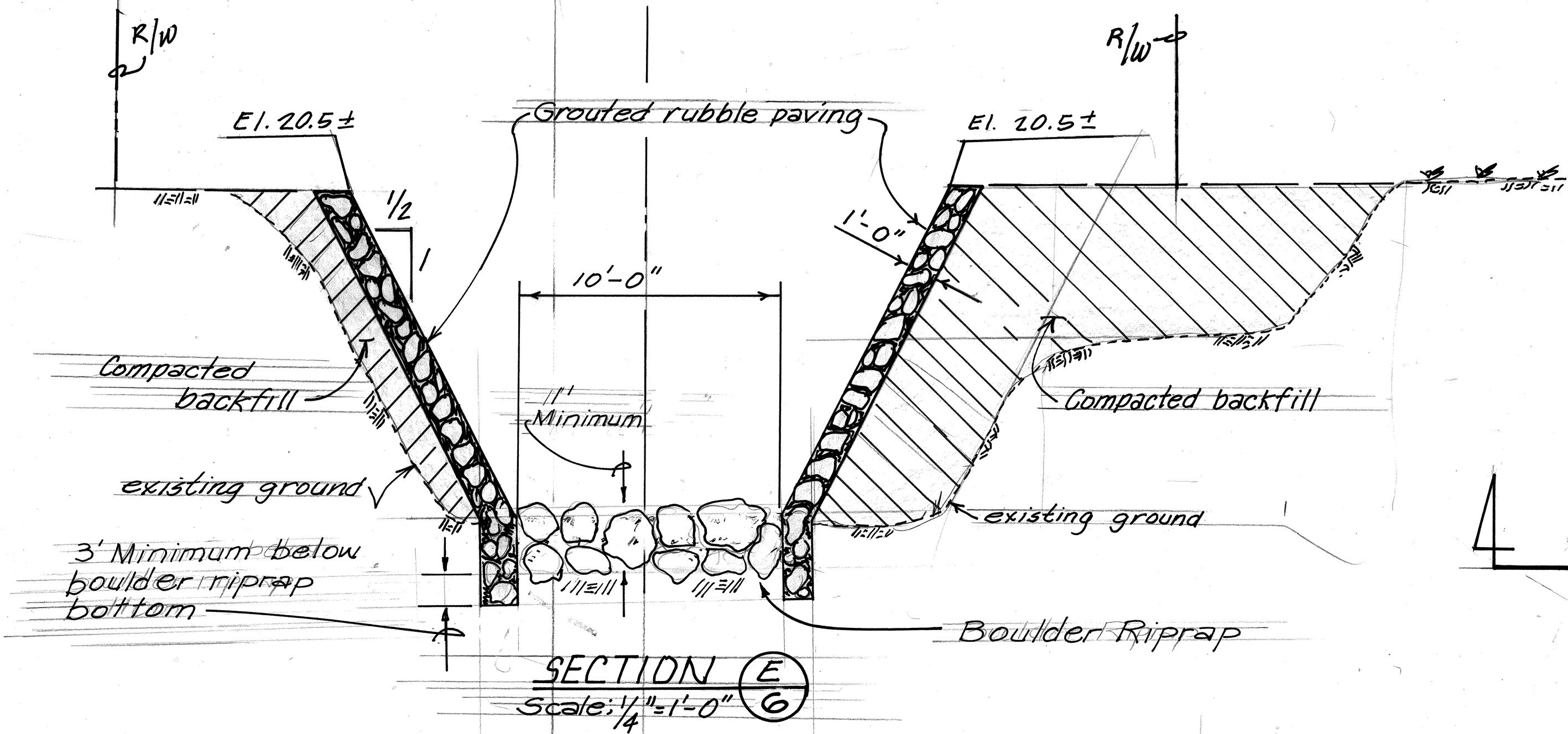
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

CHANNEL IMPROVEMENTS

KUHIO HIGHWAY
STORM DAMAGE RECONSTRUCTION
VICINITY OF M.P. 13.9 OUTBOUND
PROJECT NO. 56C-01-93M
Scale: As Shown Dec. 1992
SHEET NO. 5 OF 7 SHEETS

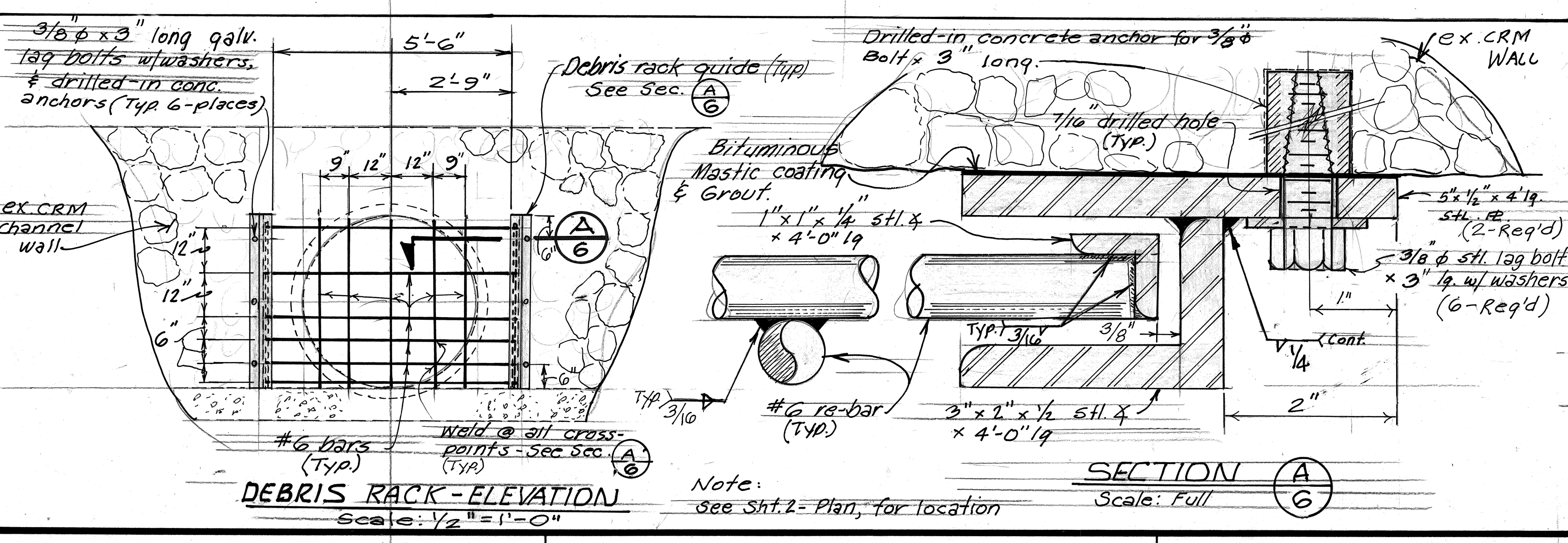
SURVEY PLOTTED BY	DATE
DRAWN BY	
TRACED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
No.	

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	56C-01-93M	1993	6	7



Estimated Quantities

Imported Borrow	= 400 CY
Struct. Excavation for Drain Sys.	= 10 C.Y.
Cl. A Conc. in Drain Sys.	= 10 C.Y.
Reinf. steel for Drain Sys.	= 400 Lbs
Bed Course Mat. for Culvert	= 11 C.Y.
6-Foot Chain Link Fence	= 80 L.F.
Grouted Rubble Paving	= 71 C.Y.
Boulder Riprap	= 26 C.Y.



Estimated Quantities
Debris Rack = L.S.

Note: Contractor shall install metal shims, as req'd, to allow rack to fit between guides.

Debris rack & guides shall be galvanized after fabrication.
Apply 2 coats of bituminous mastic to complete assembly.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

CHANNEL IMPROVEMENTS & MISCELLANEOUS DETAILS

KUHIO HIGHWAY
STORM DAMAGE RECONSTRUCTION
VICINITY OF M.P. 13.9 OUTBOUND
PROJECT NO. 56C-01-93M

Scale: As Shown Dec. 1992
SHEET NO. 6 OF 7 SHEETS

SURVEY PLOTTED BY	DATE
DRAWN BY	
DESIGNED BY	
CHECKED BY	
NO.	