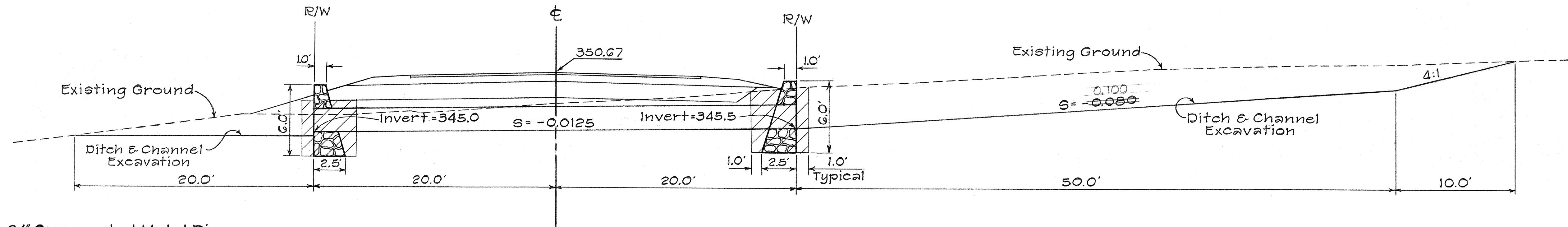


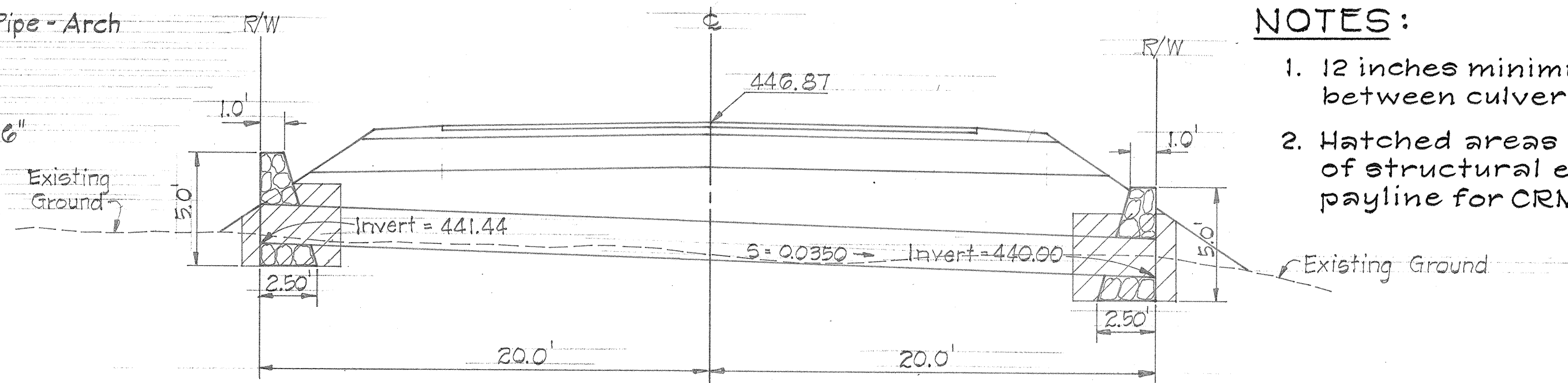
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	220A-01-72	1972	5	10



2-24" Corrugated Metal Pipe,
Sheet Thickness 0.075 inch or
24" Reinforced Concrete Pipe,
Class III or
24" Asbestos Cement Pipe,
Class III
w/ 2 CRM Headwalls
Total Length - 80 Lin. Ft.
Length of each Headwall - 10'-6"

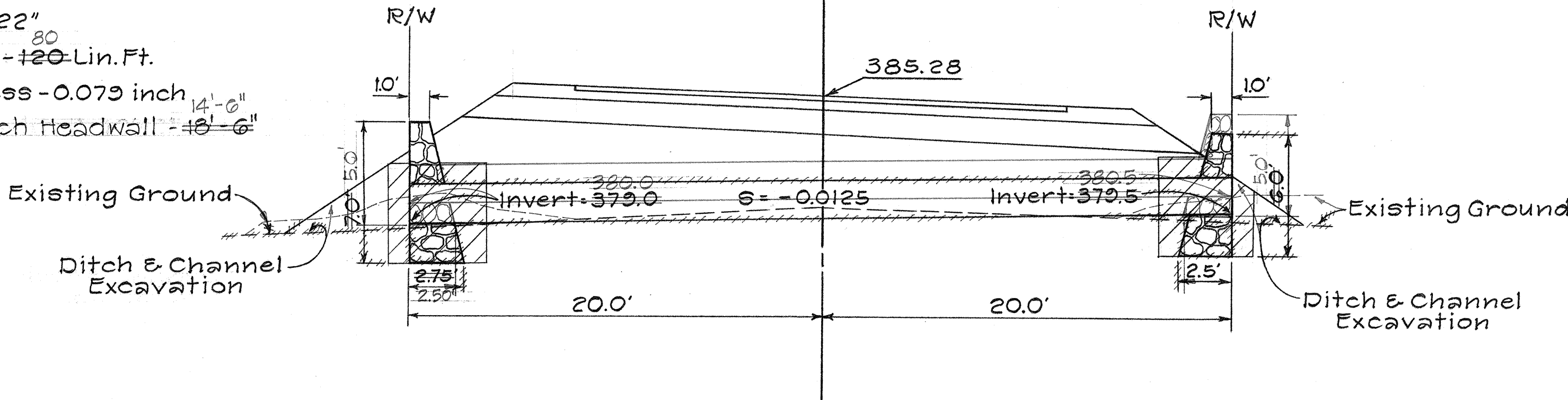
SECTION THRU CULVERT STA. 7+24
Scale: 1"=5'

1-36" x 22" Corrugated Metal Pipe - Arch
w/ 2 CRM Headwalls
Total Length - 40 Lin. Ft.
Sheet Thickness - 0.075 inch
Length of each Headwall - 10'-6"



SECTION THRU CULVERT STA. 10+20
Scale: 1"=5'

Corrugated Metal Pipe - Arch
w/ 2 CRM Headwalls
Size: 3-36" x 22"
Total Length - 120 Lin. Ft.
Sheet Thickness - 0.075 inch
Length of each Headwall - 10'-6"



SECTION THRU CULVERT STA. 10+82
Scale: 1"=5'

- NOTES:
- 12 inches minimum clearance between culverts.
 - Hatched areas denotes limit of structural excavation payline for CRM Wall.

DRAINAGE SUMMARY						
ITEM	206.01	207.01	508.01	603.0010	603.2618	603.7204
	Structure Excavation Other than at Bridges	Ditch and Channel Excavation	Cement, Rubble, Masonry	Bed Course Material for Culvert	36" x 22" Corrugated Metal Pipe - Arch, Sht. Thickness 0.075 inch	24" CMP, Sht. Thickness 0.075 inch, or 24" RCP, Class III, or 24" ACP, Class II
LOCATION	C.Y.	C.Y.	C.Y.	C.Y.	L.F.	L.F.
Sta. 7+24	50	90	7.4	11		80
Sta. 10+82	74	6	10.1	13	80	
Sta. 10+20	48		7.6	7	40	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DRAINAGE DETAILS

AKAKA FALLS ROAD
PROJECT No. 220A-02-72
South Hilo, Hawaii

Scale: As Shown Date: 17 Oct. 1972

SHEET No. 1 OF 5 SHEETS