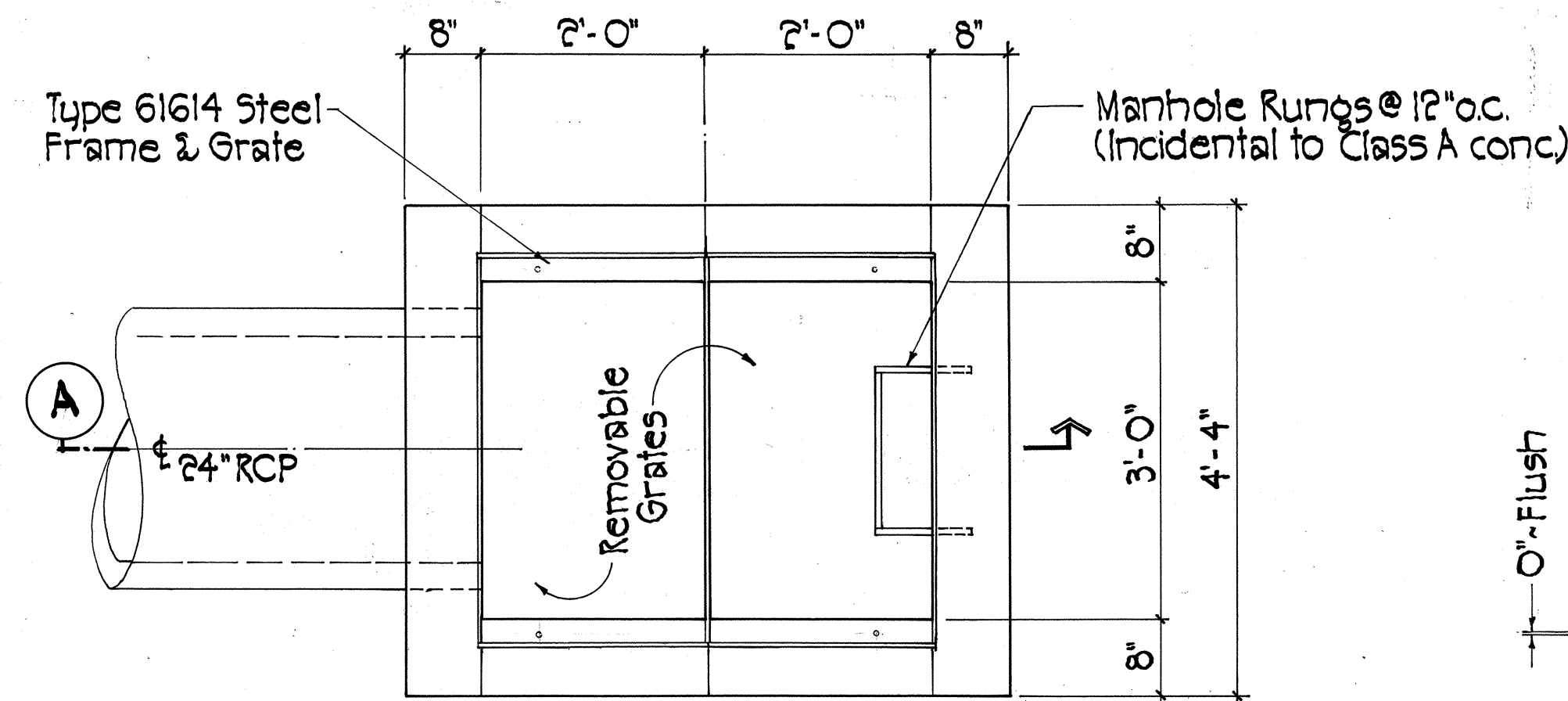
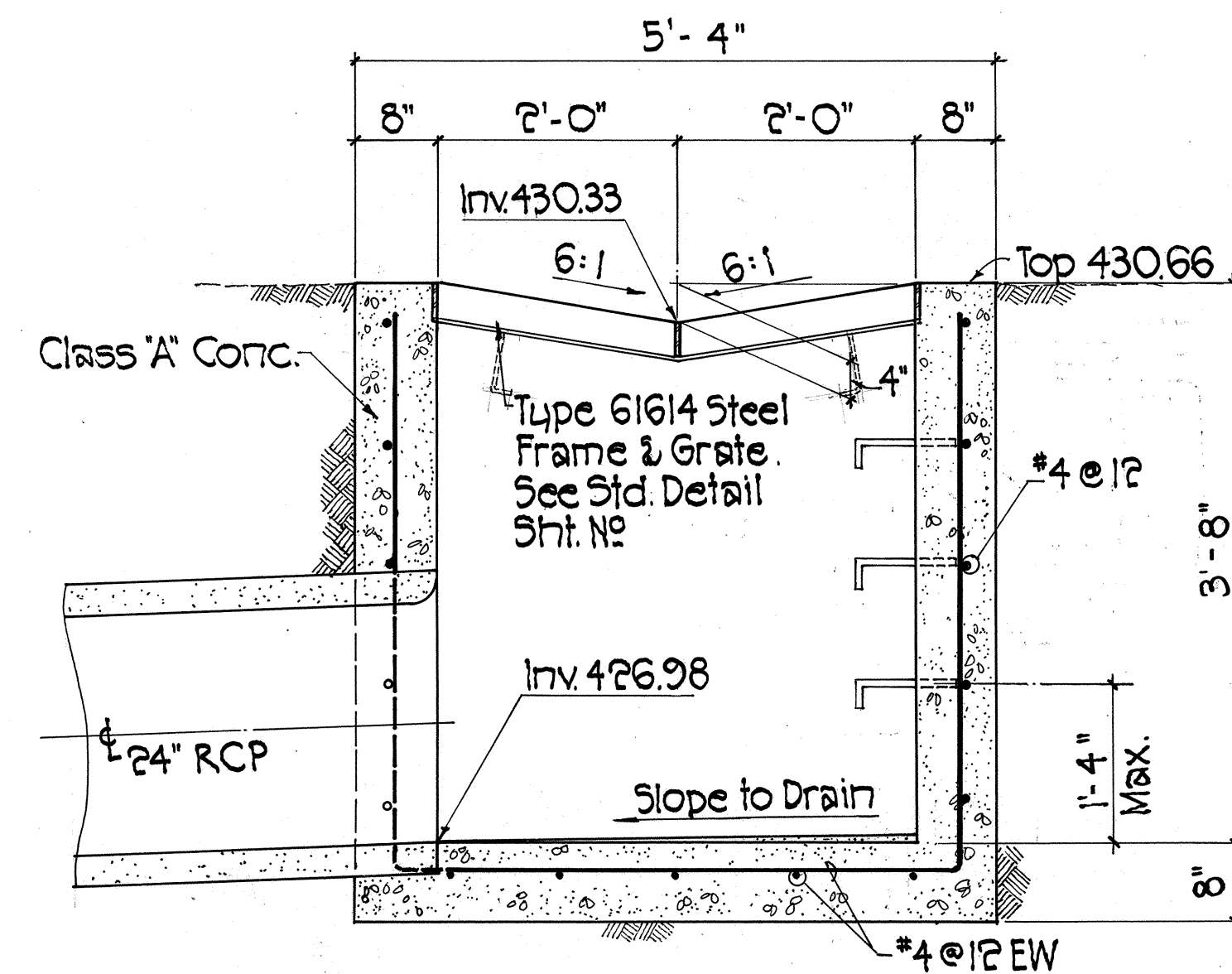


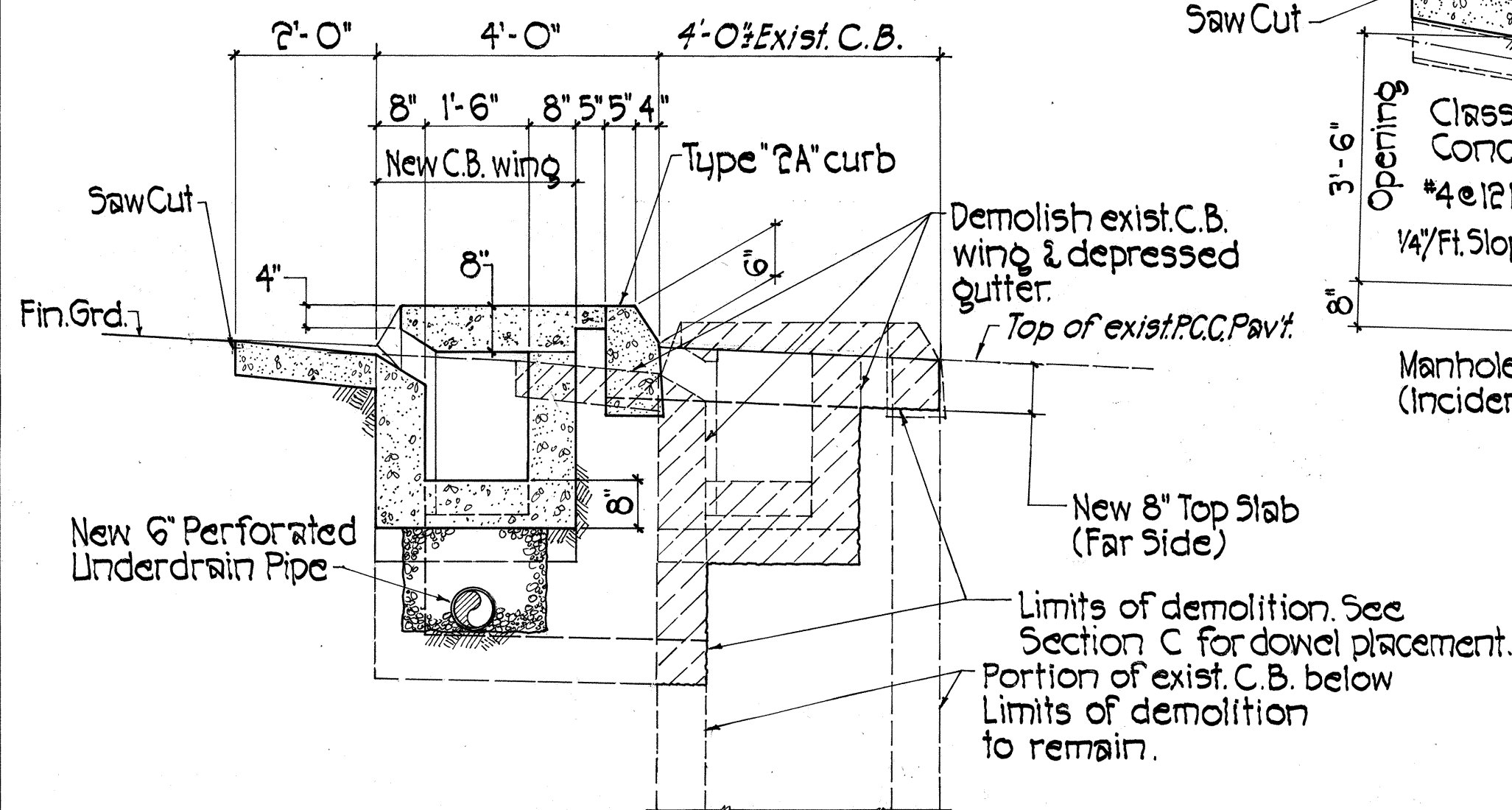
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-061-1(23)	1988	20	49



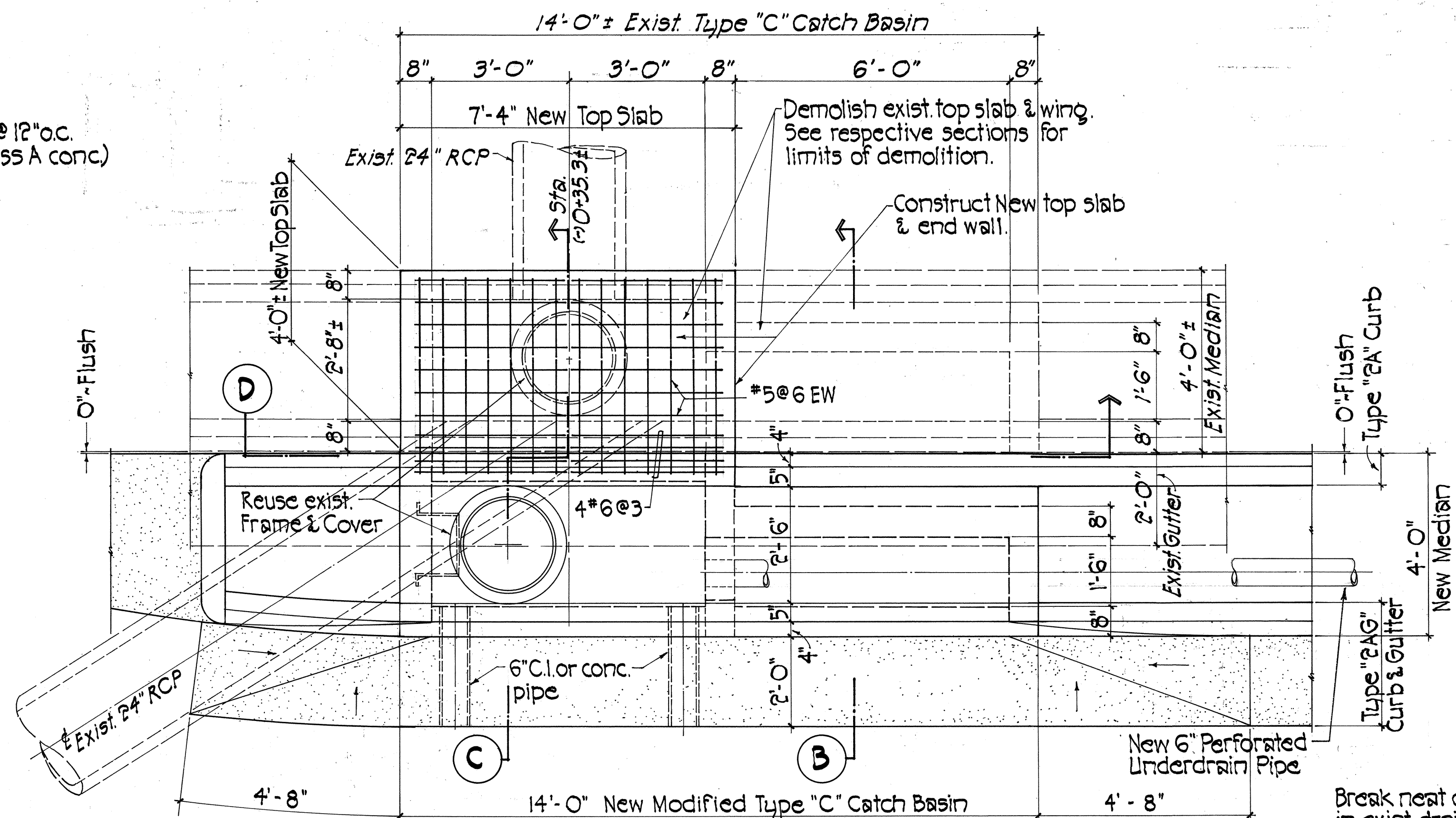
PLAN - GRATED DROP INTAKE
Scale: 3/4" = 1'-0"



SECTION A
Scale: 3/4" = 1'-0"

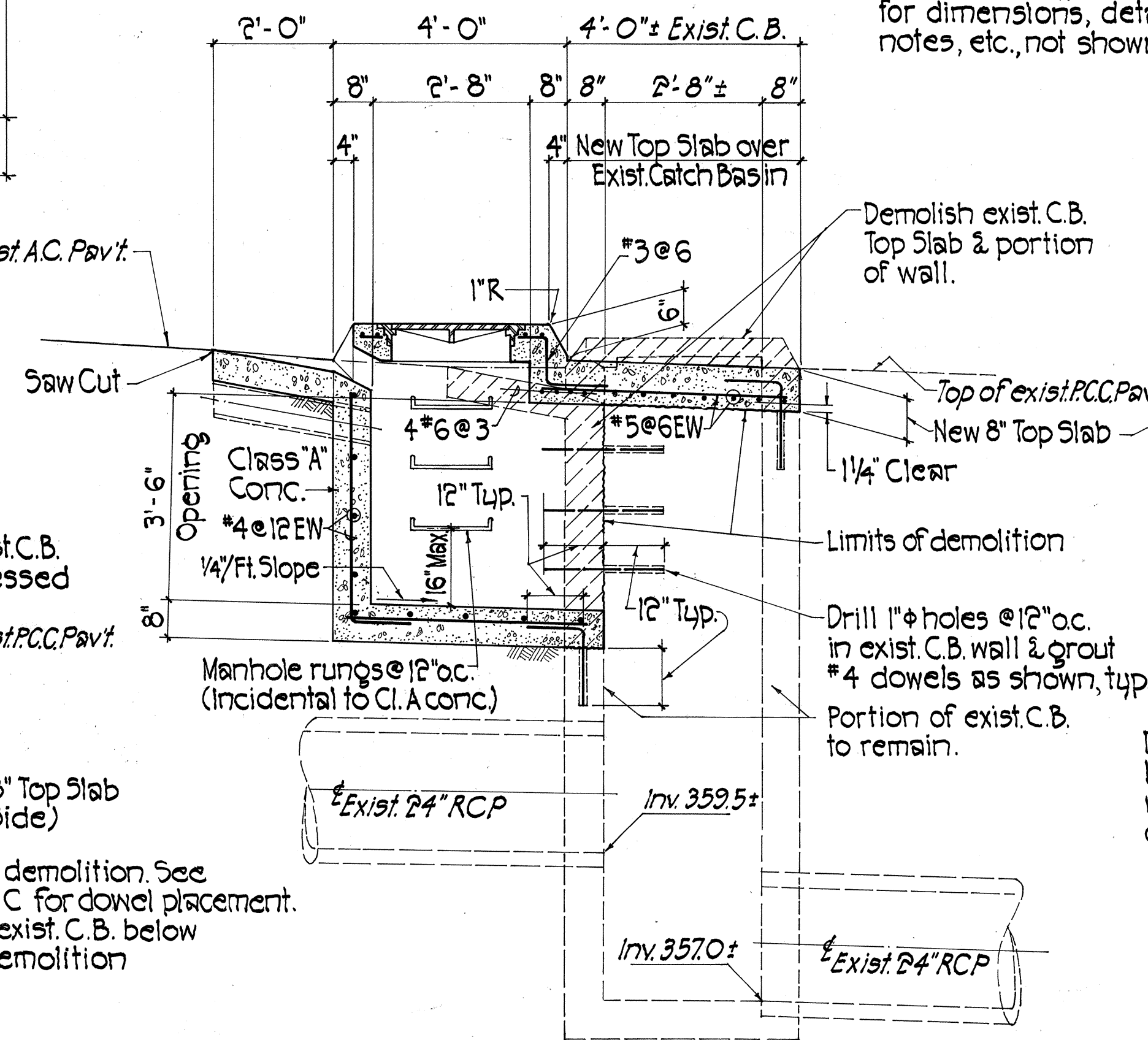


SECTION B
Scale: 1/2" = 1'-0"

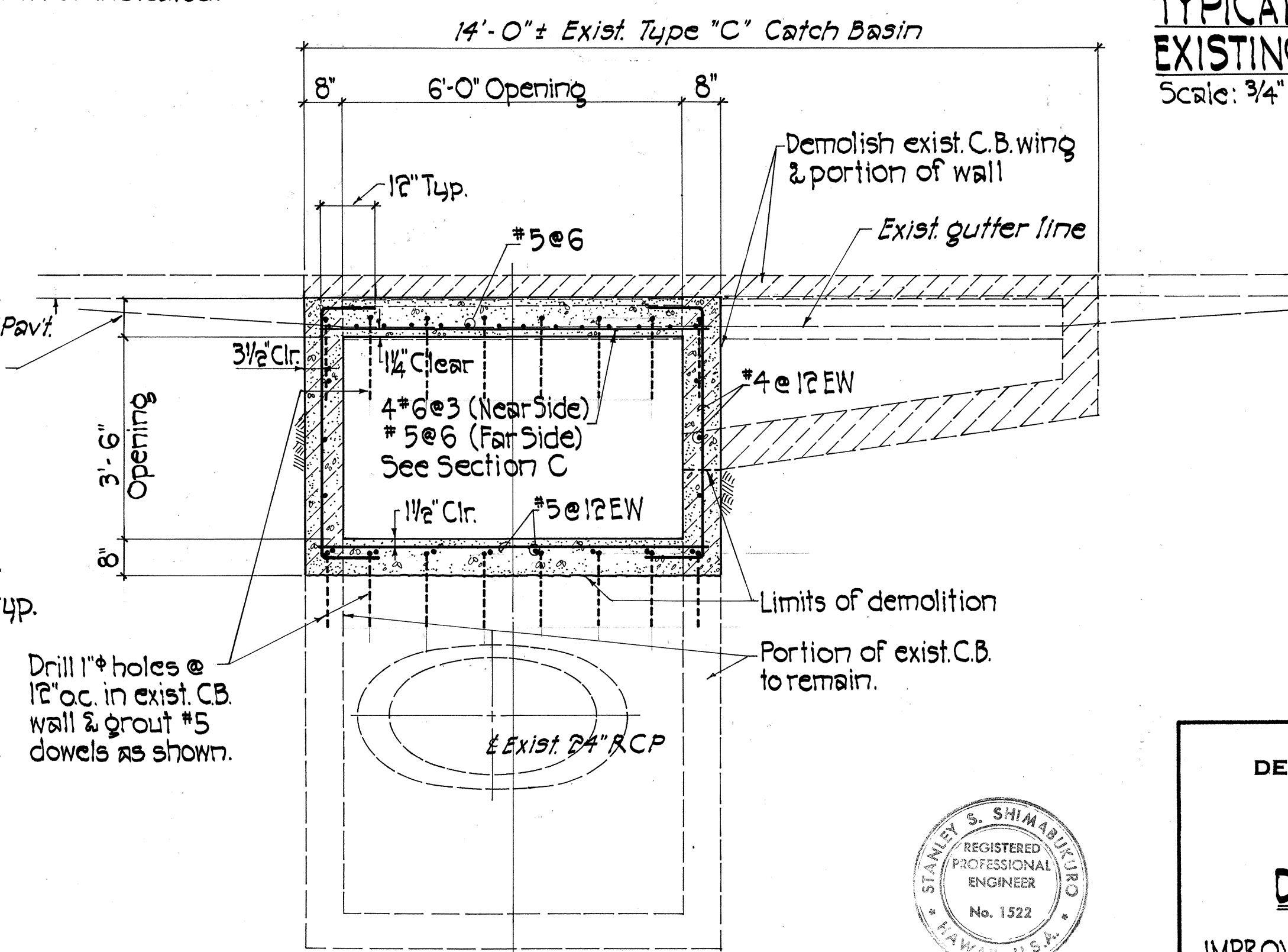


PLAN - MODIFIED TYPE "C" CATCH BASIN - 1/2 STA. (-) 0+35.3 ± 0.3 ± RT.
Scale: 1/2" = 1'-0"

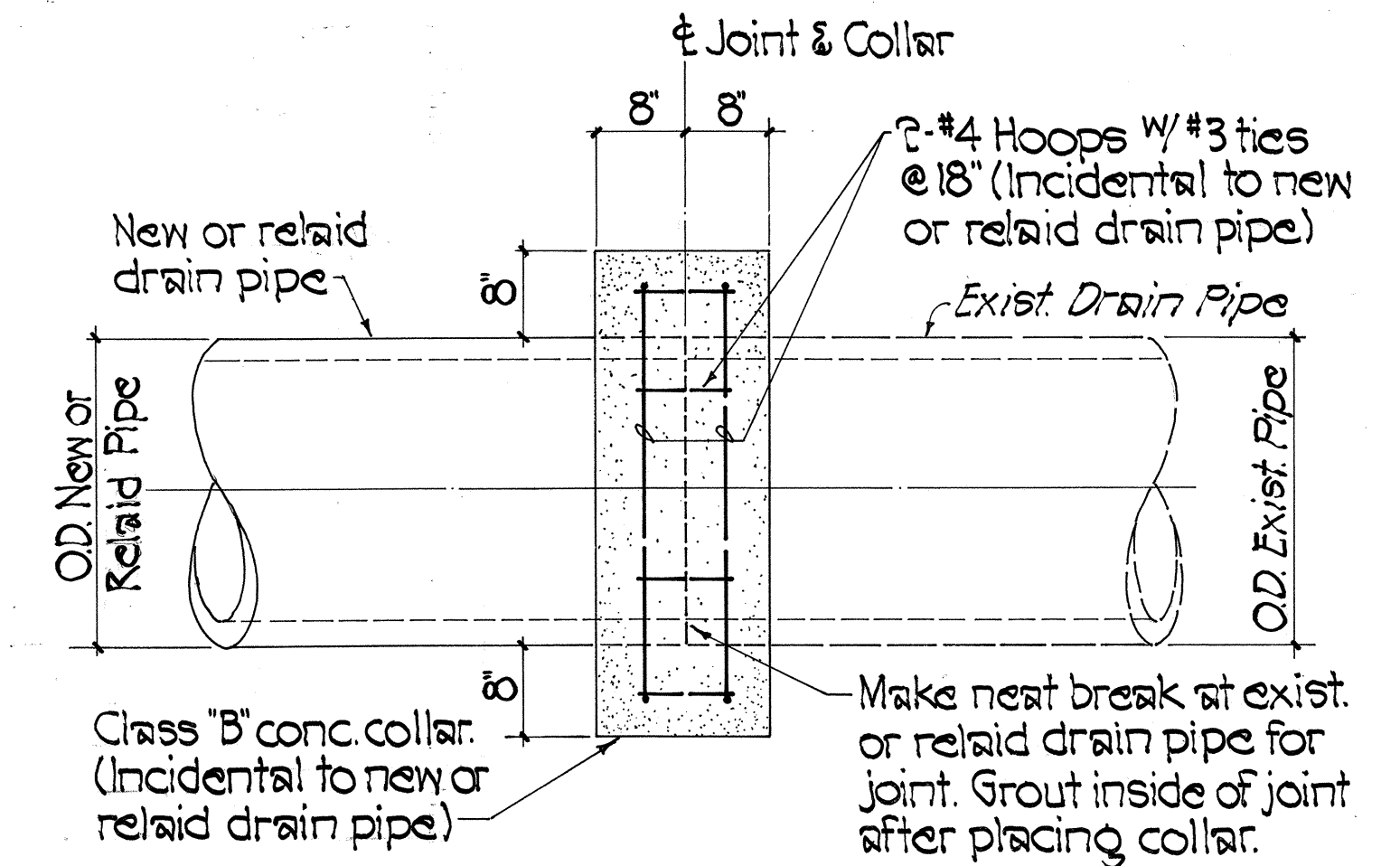
NOTE:
Refer to Std. Type "C" Catch Basin Details for dimensions, details, reinf. steel, notes, etc., not shown or indicated.



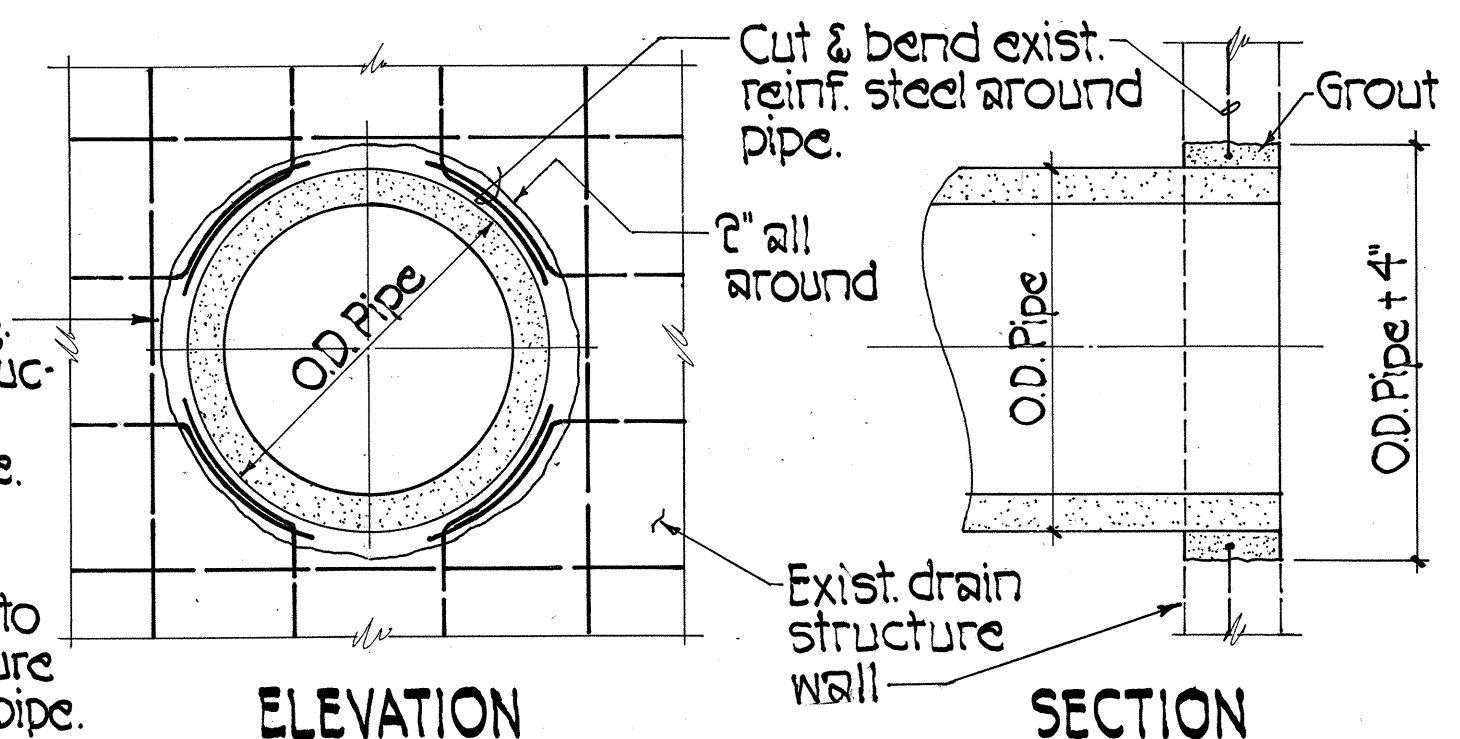
SECTION C
Scale: 1/2" = 1'-0"



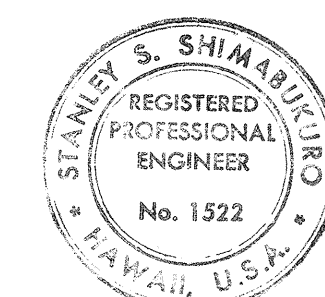
SECTION D
Scale: 1/2" = 1'-0"



TYPICAL PIPE COLLAR
Scale: 3/4" = 1'-0"



TYPICAL PIPE CONNECTION TO EXISTING DRAIN STRUCTURE
Scale: 3/4" = 1'-0"



THIS WORK WAS PREPARED BY
ME OR UNDER MY SUPERVISION
Stanley S. Shimamura

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

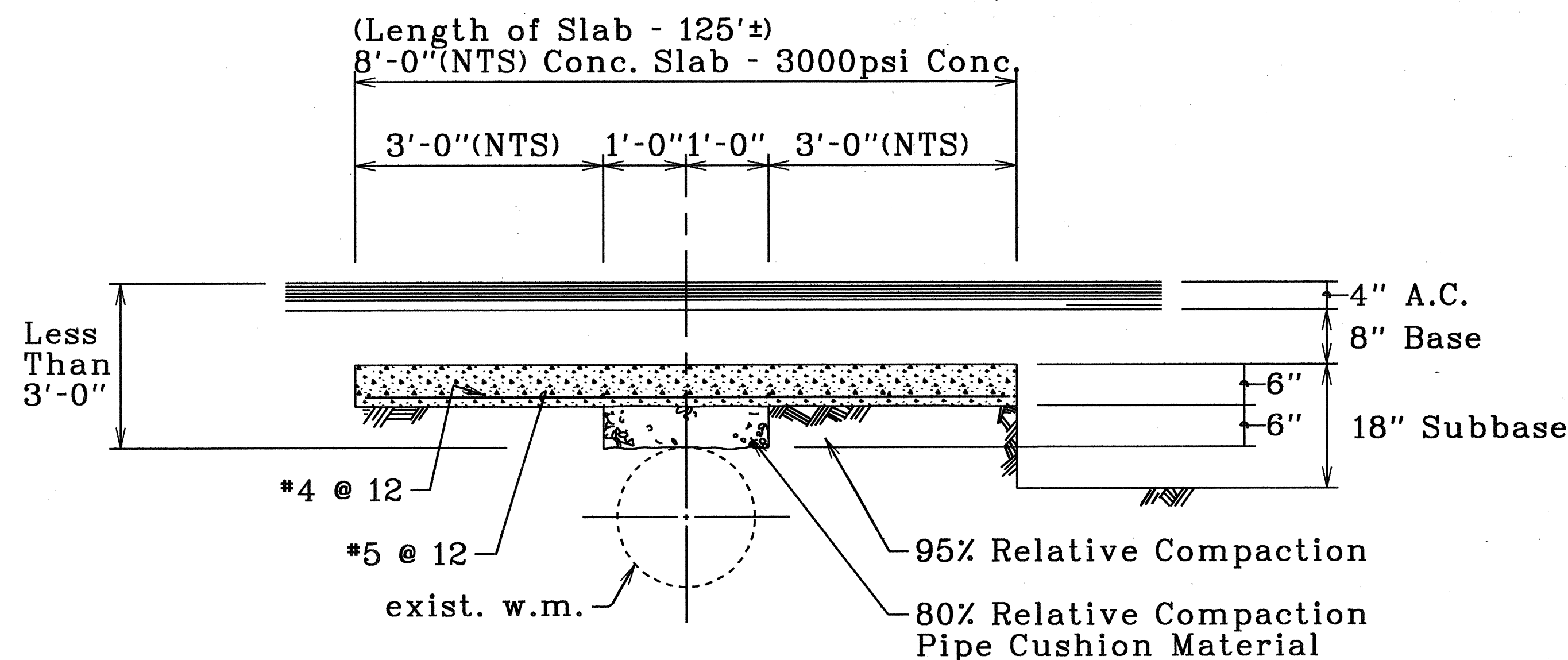
MISCELLANEOUS
DRAINAGE DETAILS

IMPROVEMENTS ALONG PALI HIGHWAY
BETWEEN NIOLOPA PL. & WAOKANAKA ST.
PROJECT NO F-061-1(23)

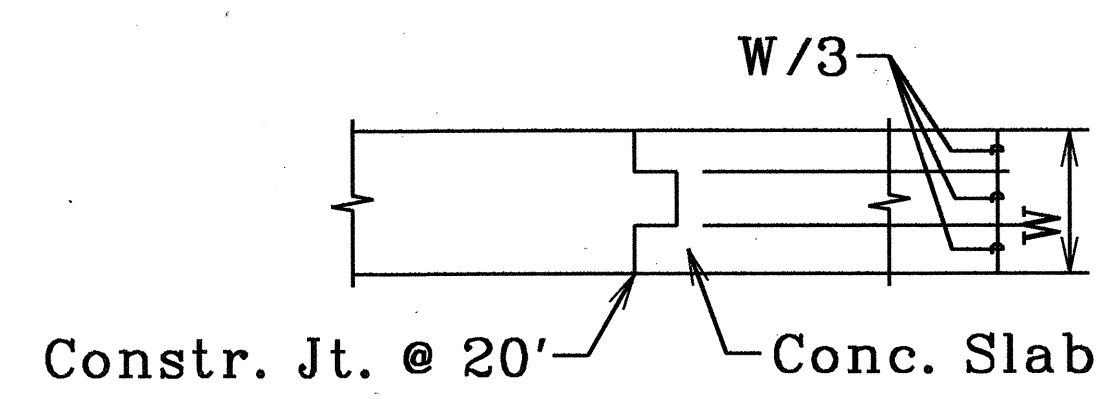
SHEET NO. 1 OF 1 SHEETS

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

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-061-1(23)	1988	20 S-1	49



TYPICAL SECTION - CONC. SLAB OVER EXIST. W.M.

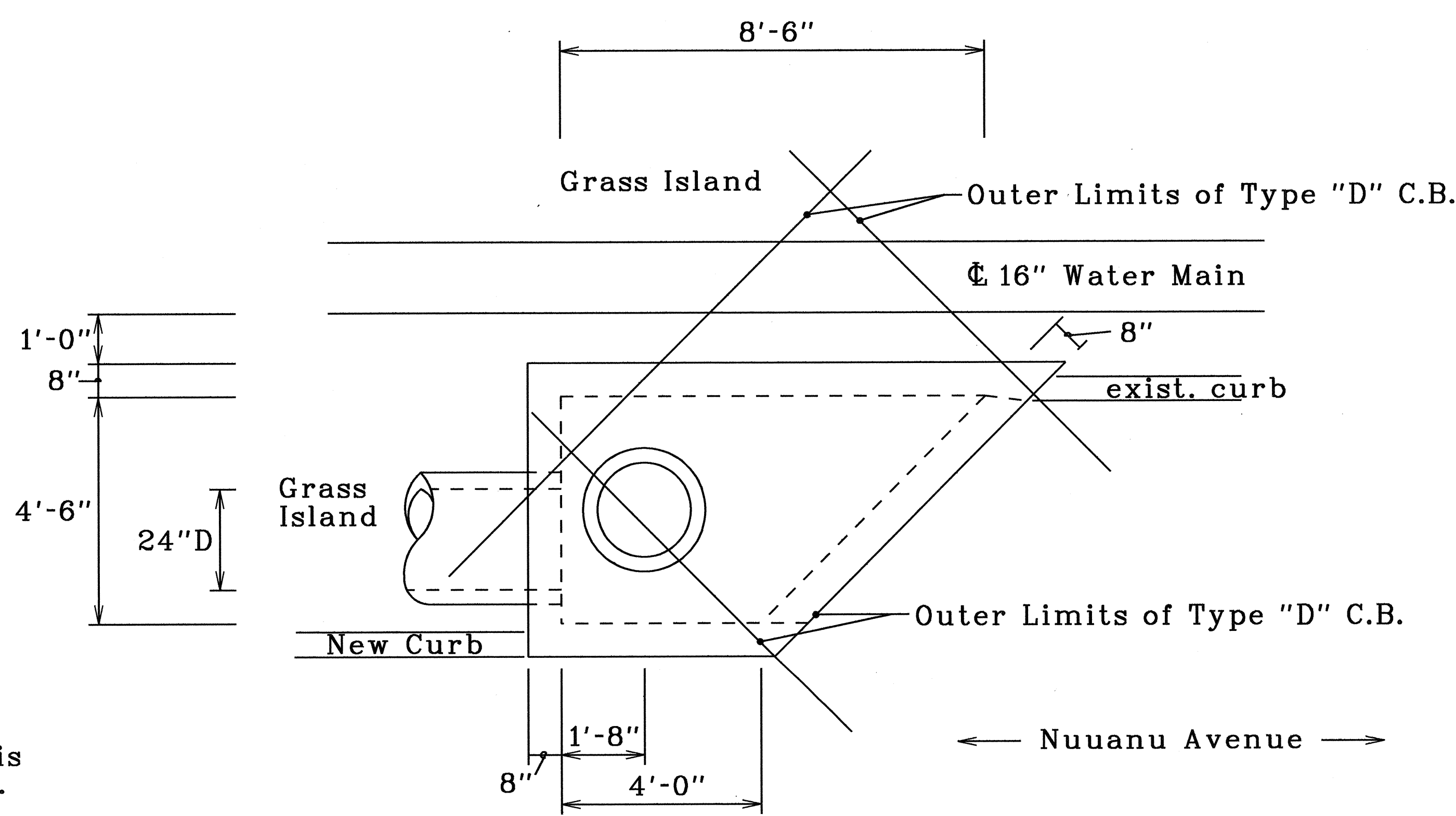


NOTE:
Provide access to all valves in the affected area (manholes or vaults).

TYPICAL CONSTR. JOINT

IMPROVEMENTS ALONG PALI HWY.

Scale: 3/4"=1'-0"



MODIFIED TYPE "D" C.B. (STA. 14+94)

Scale: 1"=2'-0"

- NOTE: 1. All Other Dimensions Will Meet Type "D" Specifications.
2. Modified C.B. Volume is Greater Than Std. C.B. Volume.

LEGEND FOR AS-BUILT POSTINGS	
	Squiggly line for as-built deletion
	Double line for as-built deletion
	Text for as-built posting

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

MISC. DRAINAGE DETAILS

IMPROVEMENTS ALONG PALI HIGHWAY
BETW. NIOLOPA PL. & WAOKANAKA ST.
PROJECT NO. F-061-1(23)

Scale: As Shown Date: Nov., 1993

SHEET No. 1 OF 1 SHEETS

AS-BUILT

20 S-1

ORIGINAL PLAN	DATE
SURVEY PLOTTED BY	
DRAWN BY	
DESIGNED BY	
CHECKED BY	