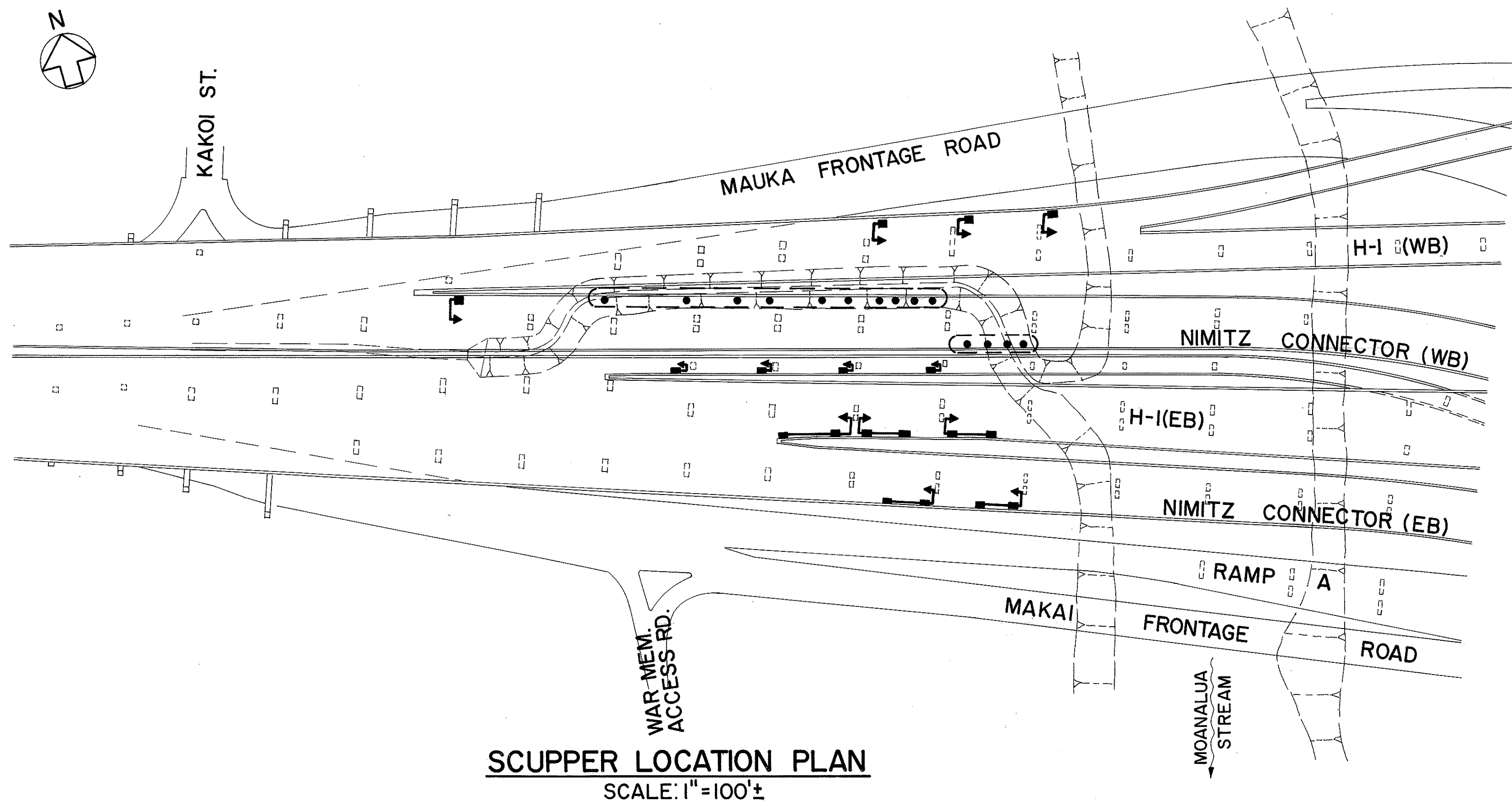


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IR-HH(200)17	1986	20	22

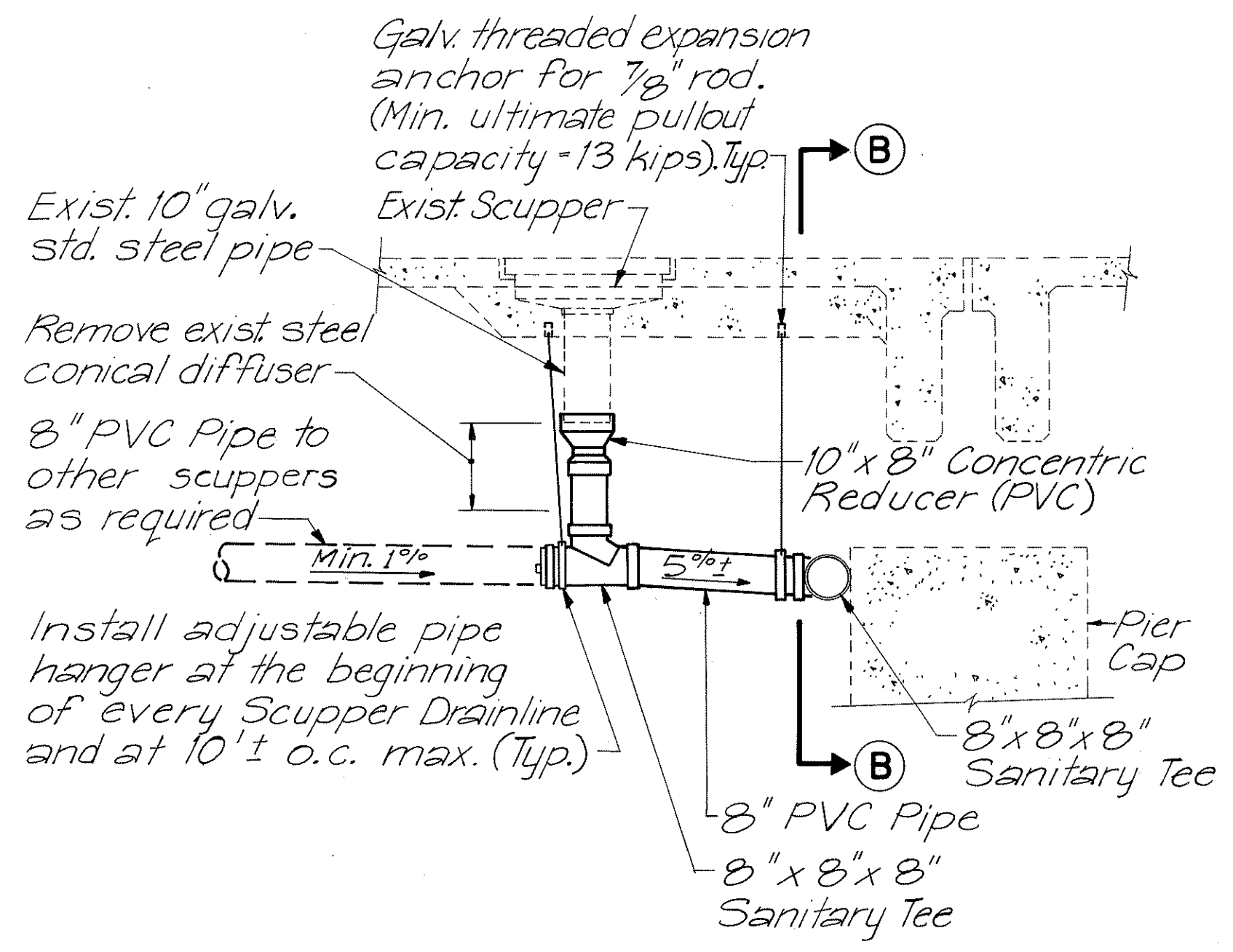


ITEM	ESTIMATED QUANTITIES
Convert Scuppers	18 Each
8" PVC Pipe	920 L.F.
Tee	44 Each
Plug	39 Each
Hanger	54 Each
Strap	100 Each
Splash Pad	13 Each
Crushed Rock	7 CY

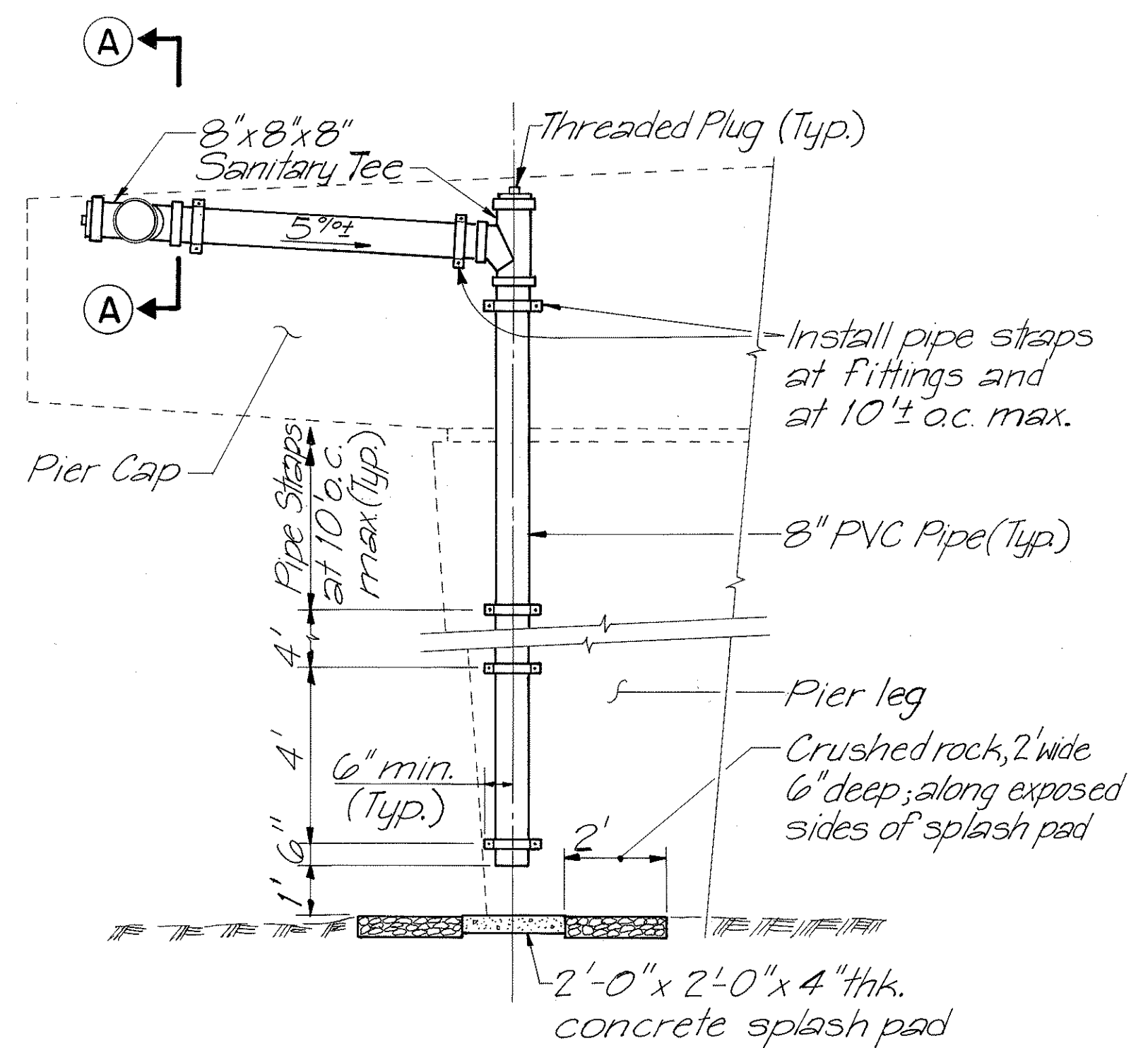
LEGEND

Convert free-fall scupper to pipe system

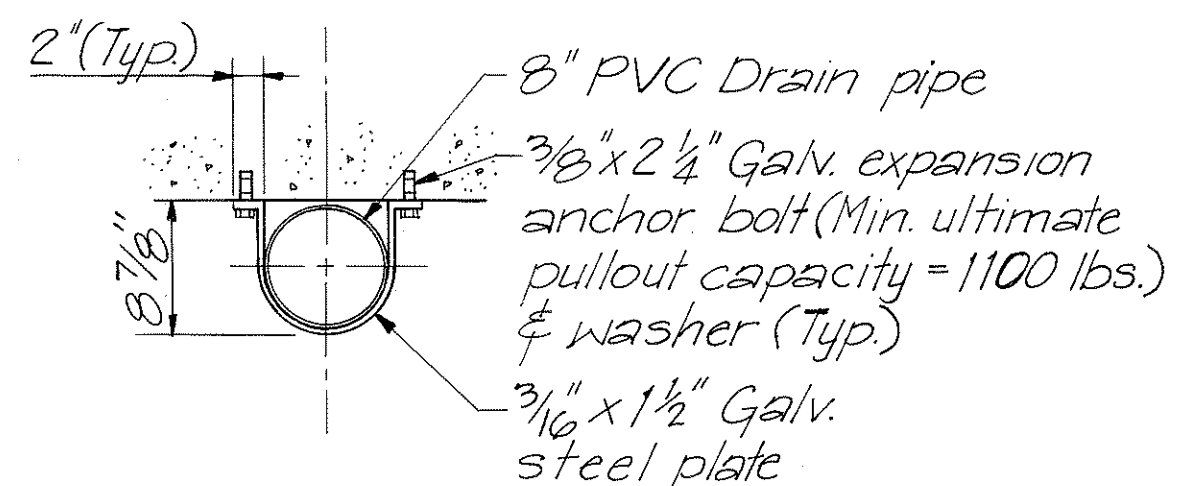
Remove conical diffuser from free-fall scuppers (Payment incidental to "Conversion of Free-Fall Scuppers")



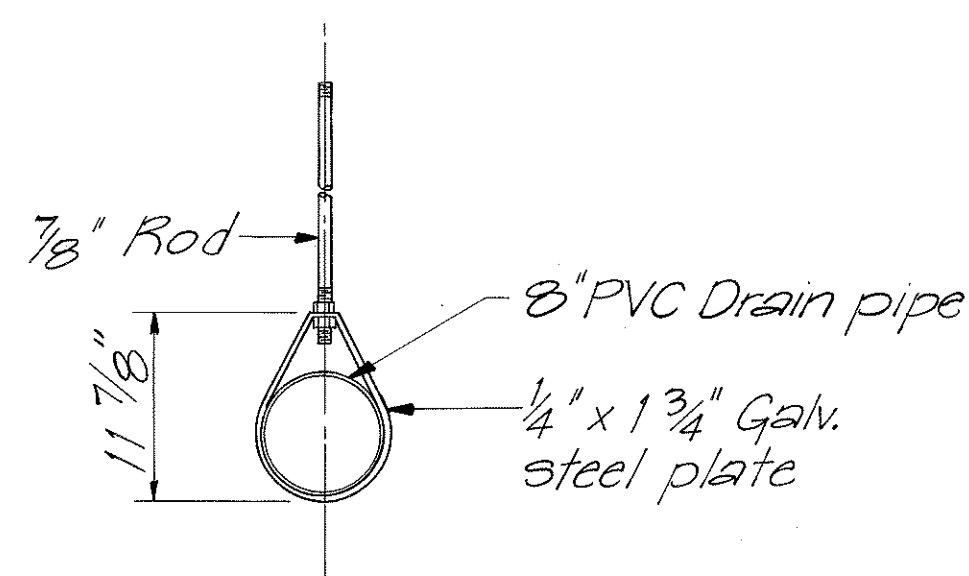
SECTION A
N.T.S.



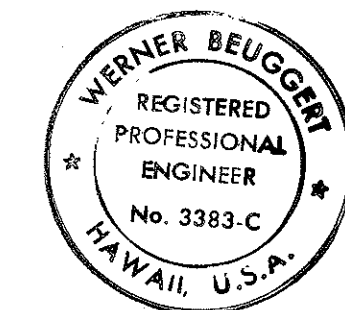
SECTION B
N.T.S.



PIPE STRAP DETAIL
N.T.S.



HANGER DETAIL
N.T.S.



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

Werner Beugger

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

CONVERSION OF FREE FALL SCUPPERS ON VIADUCTS

KEEHI INTERCHANGE LANDSCAPING
(WEST OF MOANALUA STREAM)
FAIP NO. IR-HI-1(200):17

SCALE: AS SHOWN DATE: MAY 12, 1986
SHEET No. 20 OF 20 SHEETS