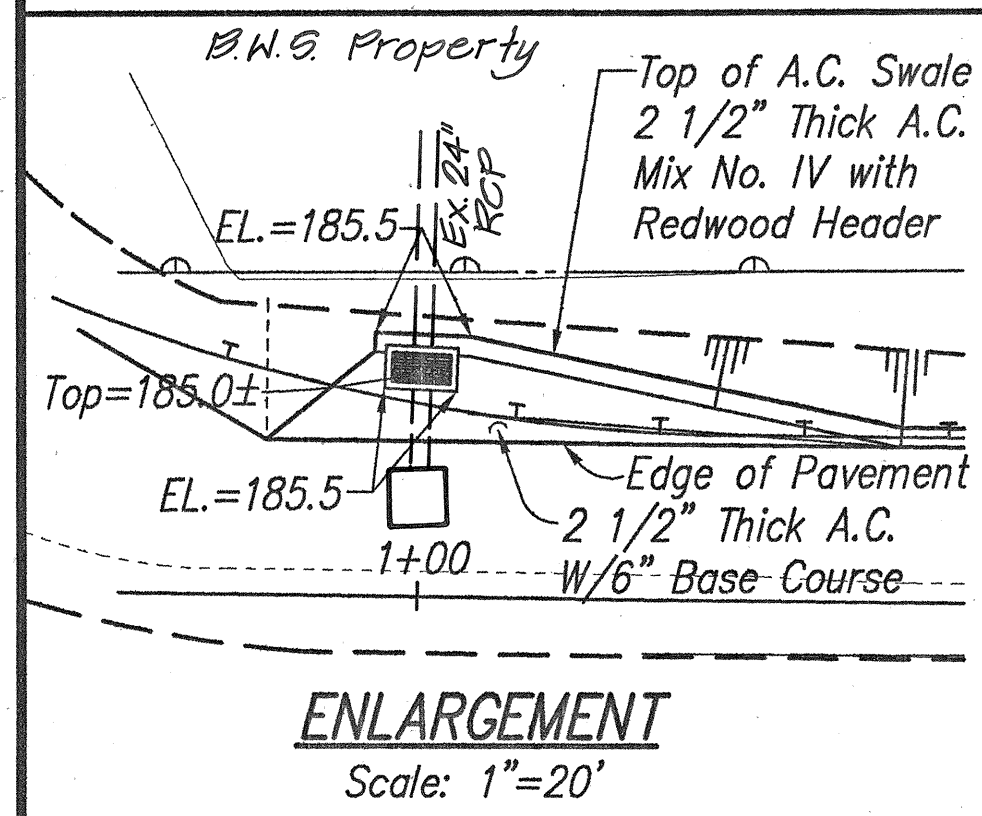


① Sta. 454+30 (±) (o/s 24'± Lt.) Kunia ② Connect to Exist. 54" Pipe
CB No. 11
Type "B" Modified
Top=~~192.6±~~ 193.30
Inv.=~~186.9±~~ 183.95
Inv.=~~183.70~~ (54") 183.20
(Contractor to Verify Invert)

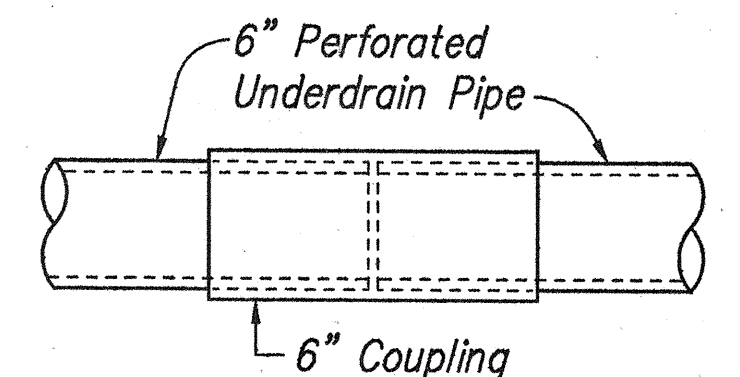
54" HDPE Pipe, 22 L.F. @ 1.00%
1-Conc. Collar
Inv.=~~182.4±~~ 181.80
(Contractor to Verify Invert)

④ Connect to Exist. 24"

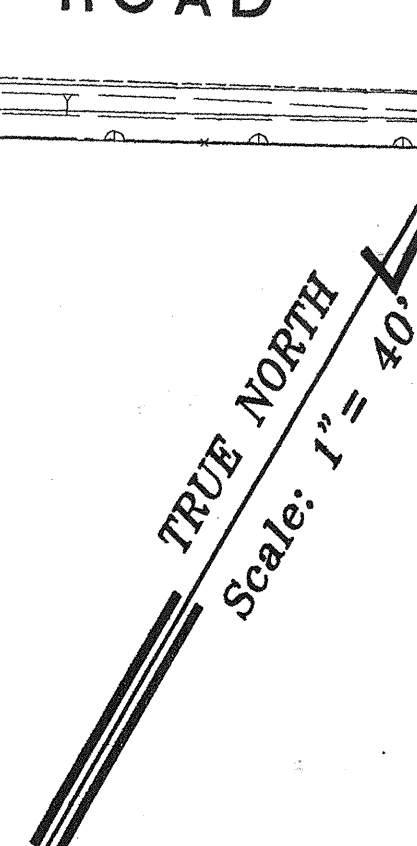
③ Sta. 1+00 (o/s 23.5 Lt.) Ramp KO
Drain Intake No. 1
Type 61214
Top = ~~185.04~~ 185.50
Inv. = ~~181.60~~ 181.70



DRESS SHOULDER @ STA. 0+00 TO @ STA. 16+00
Dressing of shoulder shall consist of clearing, grubbing, grading, reshaping and compacting the unpaved shoulders with suitable material as shown on the plans and/or as directed by the Engineer. This work shall be considered incidental to the various contract items.

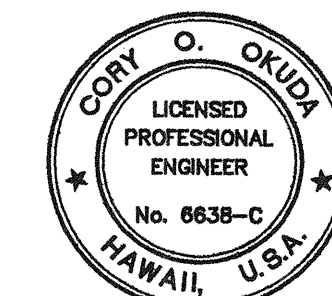


UNDERDRAIN PIPE CONNECTION DETAIL
Not to Scale



APPROVED:
** SIGNATURE HAS BEEN DIGITIZED

DATE:



THIS WORK WAS PREPARED BY M
OR UNDER MY SUPERVISION


ParEn, Inc.
dba PARK ENGINEERING

Date	Revision
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION PLAN RAMP KO STA. 0+00 TO STA. 16+00 <u>KUNIA ROAD WIDENING: AND</u> <u>H-1, KUNIA I.C., RAMP KO WIDENING</u> <u>F.A.I. PROJECT NO. IM-STP-0750(10)</u>	
SCALE: AS NOTED	DATE: APRIL 1999
SHEET No. 1 OF 1 SHEETS	