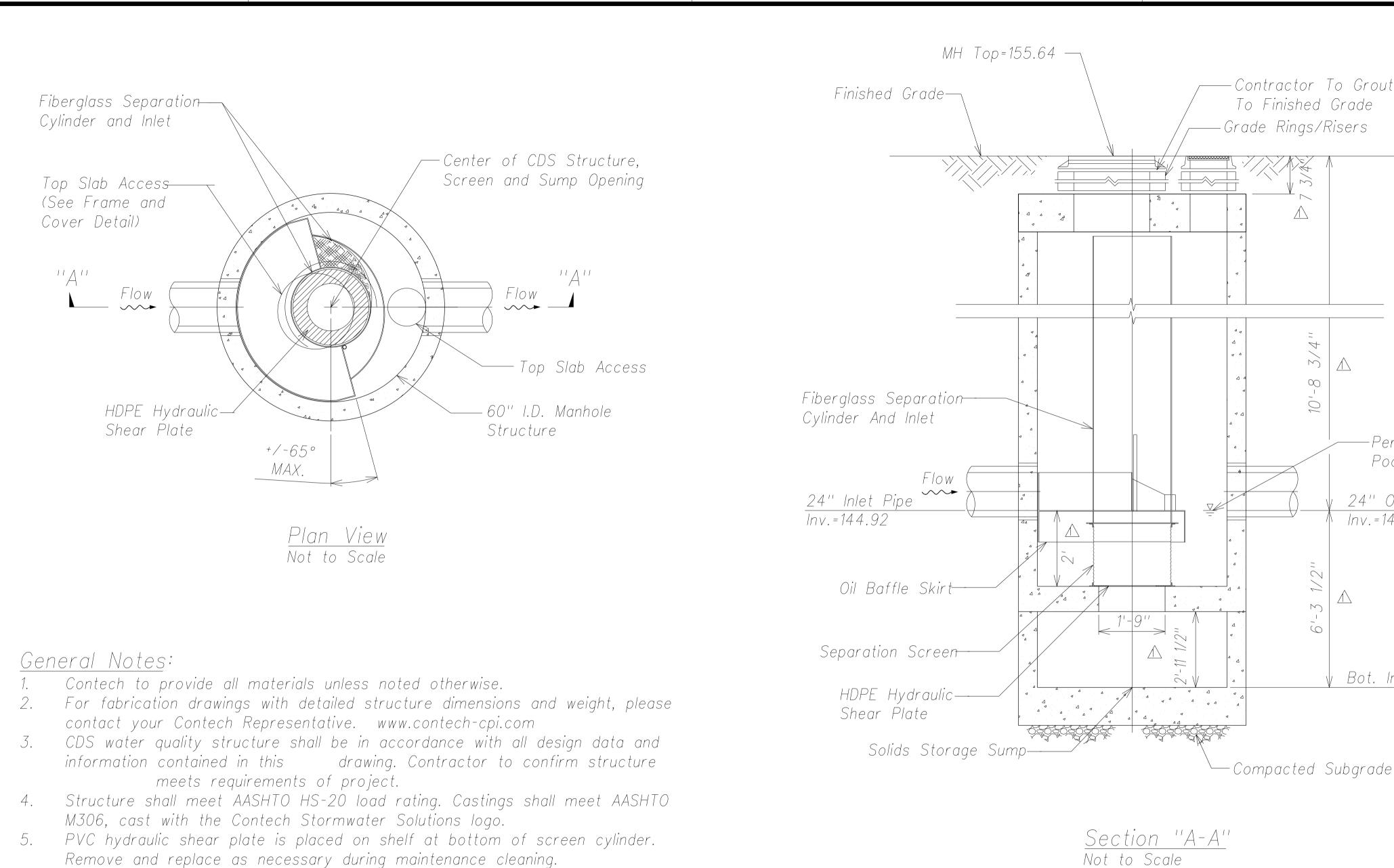


Count	Description	Installed By
1	Fiberglass Inlet & Cylinder	Contech
1	2400 Micron Separation Screen	Contech
1	Sealant for Joints	Contractor
1	Grade Rings/Risers	Contractor
1	ø74''X4'' Frame and Cover (Vented)	Contractor
1	Rubberizer Oil Sorbent	Contractor

Water Quality Flow Rate (WQFR)	0.33 CFS
Peak Flow Rate	11.00 CFS
Storm Recurrence Interval	25 Years



Installation Notes:

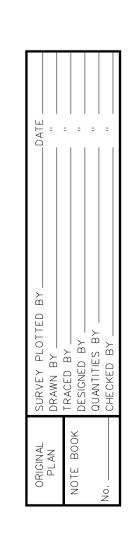
- 1. Any sub-base, backfill depth, and/or anti-flotation provisions are site-specific design considerations and shall be specified by Engineer of record.
- 2. Contractor to provide equipment with sufficient lifting and reach capacity to lift and set the CDS manhole structure.
- Contractor to install joint sealant between all structure sections and assemble

structure.

4. Contractor to provide, install, and grout pipes. Match pipe inverts with elevations shown.

Contractor to take appropriate measures to assure unit is water tight, 5. holding

water to flowline invert minimum. All joints below pipe inverts shall be grouted.



Materials List

Count	Description	Installed By
1	Fiberglass Inlet & Cylinder	Contech
1	2400 Micron Separation Screen	Contech
1	Sealant for Joints	Contractor
1	Grade Rings/Risers	Contractor
1	ø74''X4'' Frame and Cover (Vented)	Contractor
1	Rubberizer Oil Sorbent	Contractor

Contech CDS2015 Details Not to Scale

FED. ROAD	STATE	FED. AID	FISCAL	SHEET	TOTAL
DIST. NO.		Proj. no.	YEAR	NO.	SHEETS
HAW AI'I	HAW.	ARR-050-1(036)	FY13/14	Model	50



Frame and Cover Not to Scale

-Permanent Pool Elev.

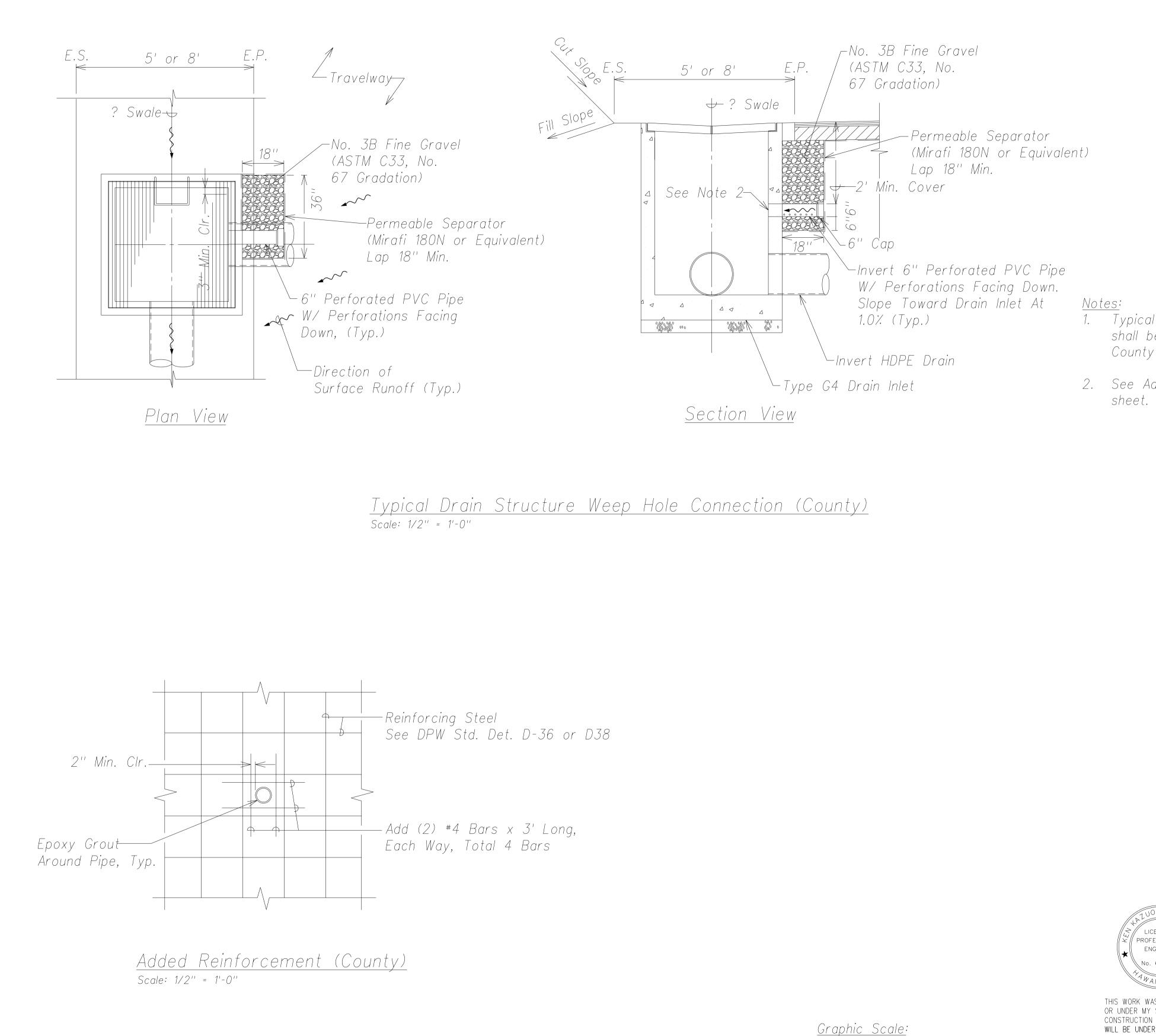
24" Outlet Pipe lnv.=144.92

Bot. Inv.=138.63

<u>Site Design Data</u>

Water Quality Flow Rate (WQFR)	0.33 CFS
Peak Flow Rate	11.00 CFS
Storm Recurrence Interval	25 Years

	04/05/13 🕂 Revise CDS2015 Invert.		
	Date Revision		
	STATE OF HAWAI'I DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION		
	DRAINAGE DETAILS - 2		
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION.	<u>Phase 1 - Kaumuali'i Highway</u> <u>Lifiu'e mill bridge to rice street</u> <u>Phase 1 - Ho'omana road</u>		
April 30, 2014 SIGNATURE EXPIRATION DATE	Scale: As Shown Date: December 4, 2012		
OF THE LICENSE	SHEET No.C-30 OF 50 SHEETS		
	C.Model S1		



DATE	= =	= =	
SURVEY PLOTTED BY	TRACED BY	QUANTITIES BYCHECKED BY	
PL AN ORIGINAL	NOTE BOOK	No.	

<u>Graphic Scale:</u> 1/2'' = 1'-0'' Scale in Feet

FED. ROAD	STATE	FED. AID	FISCAL	SHEET	TOTAL
DIST. NO.		PROJ. NO.	YEAR	NO.	Sheets
HAWAI'I	HAW.	ARR-050-1(036)	FY13/14	Model	50

1. Typical drain structure weep hole connection shall be installed at all drain inlets within the County of Kaua'i Right-of-Way.

2. See Added Reinforcement detail on this

LICENSED PROFESSIONAL ENGINEER No. 6818-S YAWAII, U.S.P.	LICENSED PROFESSIONAL ENGINEER No. 8624-C	DEPARTMENT OF HAWAI'I DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION DRAINAGE DETAILS - 3
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION.	THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION.	<u>Phase 1 - Kaumuali'i Highway</u> <u>Lifiu'e mill bridge to rice street</u> <u>Phase 1 - Ho'omana road</u>
April 30, 2014 SIGNATURE EXPIRATION DATE OF THE LICENSE	April 30, 2014 SIGNATURE EXPIRATION DATE OF THE LICENSE	Scale: As Shown Date: December 4, 2012 SHEET No.C-31 OF 50 SHEETS
"AS-BUILT"		Model