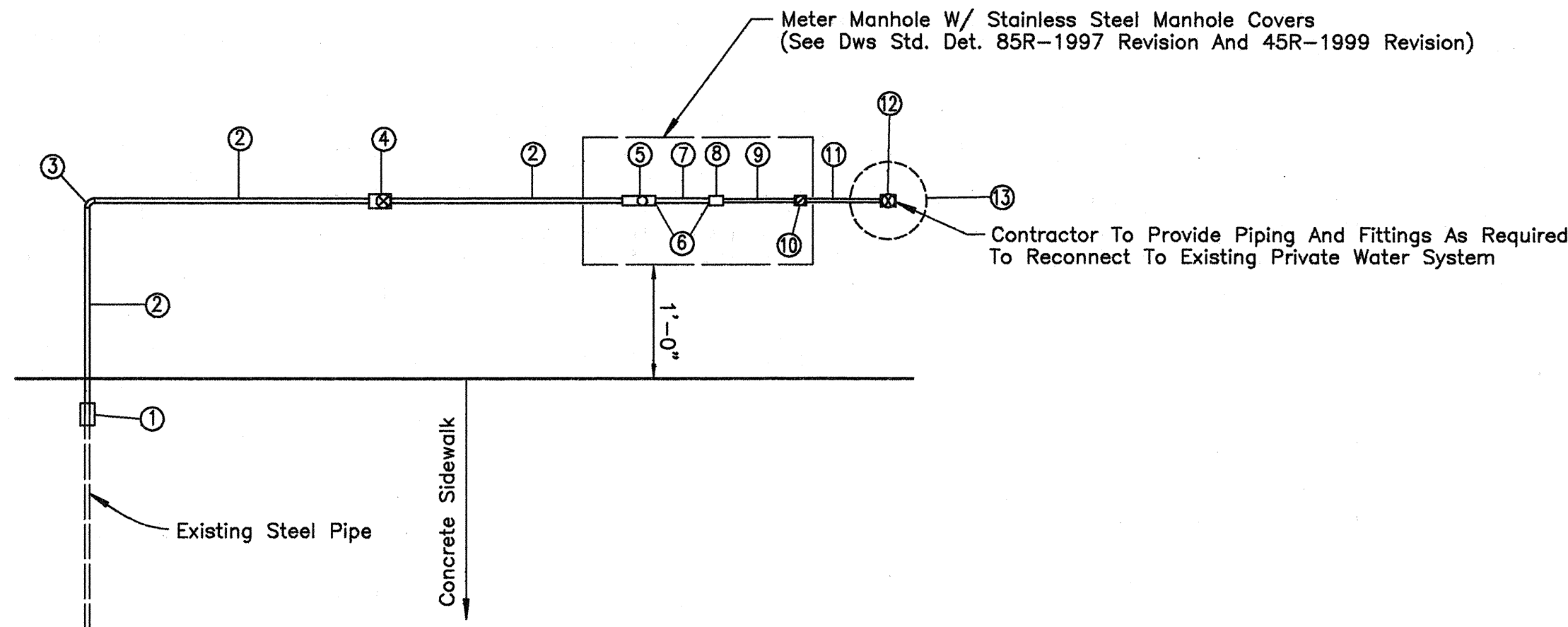


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-032-1(8)	2000	107	111



Notes:

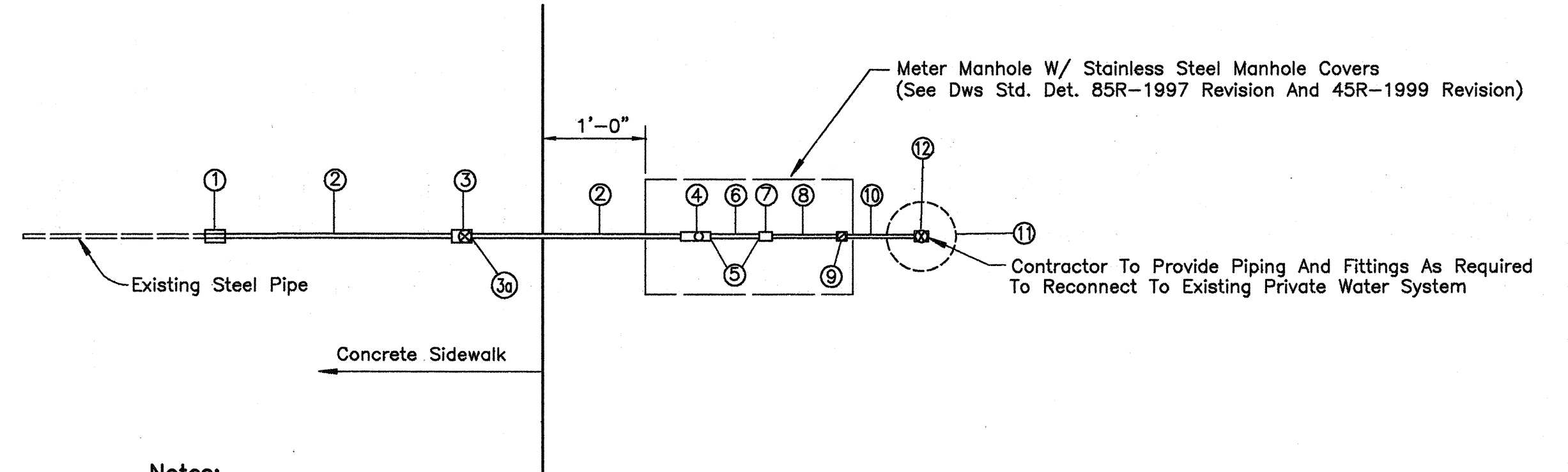
1. All Fittings And Materials Listed By Brand Name Or Approved Equal.
2. * Denotes Ford Meter Box Manufacturing Co.'s No.
3. See D.W.S. Standard Details 63M And 67M For Transponder Bracket Installation.

Type	Meter Size	①	②	③	④	⑤	⑥	⑦
C Modified-B	1 1/2"	Adapter W/ Dielectric Gasket (Full Face)	Service Tubing	Copper 90° Elbs	Ball Valve	Meter Valve	Stainless Steel Bolts/Nuts	Meter Idler
		2" Fem. I.P.T. X P.J.	2" Copper	2" C X C	2" X 2" P.J. X P.J. (B44-777) *	2" X 1 1/2" P.J. X Fig. (BF 43-676) *	5/8" X 2 1/2" Type (304)	1 1/2" X 13" Fig. X Fig. One End Plugged

⑧	⑨	⑩	⑪	⑫	⑬
Meter Coupling	Brass Nipple	Brass Check Valve	Brass Nipple	Bronze Ball Valve	Plastic Valve Box
1 1/2" Fig. X I.P. P.J. Lok Pak (OF 35-66) *	1 1/2" X 6"	1 1/2" Hammond Stockham (B-319)	1 1/2" X 14"	1 1/2" Female I.P.T. (811-666) (HB-675) *	10" Ametek (10-181-014) W/Green Cover (10-181-015)

DETAIL - TYPE C MODIFIED SINGLE SERVICE LATERAL - B (1 1/2" METER)

NOT TO SCALE



Notes:

1. All Fittings And Materials Listed By Brand Name Or Approved Equal.
2. * Denotes Ford Meter Box Manufacturing Co.'s No.
3. See D.W.S. Standard Details 63M And 67M For Transponder Bracket Installation.

Type	Meter Size	①	②	③	④	⑤	⑥	⑦
C Modified-A	1 1/2"	Adapter W/ Dielectric Gasket (Full Face)	Service Tubing	Ball Valve	N/A	Meter Valve	Stainless Steel Bolts/Nuts	Meter Idler
		2" Fem. I.P.T. X P.J.	2" Copper	2" X 2" P.J. X P.J. (B44-777) *	N/A	2" X 1 1/2" P.J. X Fig. (BF 43-676) *	5/8" X 2 1/2" Type (304)	1 1/2" X 13" Fig. X Fig. One End Plugged
D Modified-A	2"	Adapter W/ Dielectric Gasket (Full Face)	Service Tubing	Stop Cock	Adapter	Meter Valve	Stainless Steel Bolts/nuts	Meter Idler
		2 1/2" Fem. I.P.T. X P.J.	2 1/2" Copper	2 1/2" X 2 1/2" P.J. X M (B48-788) *	2 1/2" Copper C X F *	2 1/2" X 2" P.J. X Fig. (BF 43-676) *	5/8" X 3" Type (304)	2" X 17" Fig. X Fig. One End Plugged

⑧	⑨	⑩	⑪	⑫
Brass Nipple	Brass Check Valve	Brass Nipple	Bronze Ball Valve	Plastic Valve Box
1 1/2" X 6"	1 1/2" Hammond (904) Or Stockham (B-319)	1 1/2" X 14"	1 1/2" Female I.P.T. (811-666) (HB-675) *	10" Ametek (10-181-014) W/Green Cover (10-181-015)
2" X 6"	2" Hammond (904) Or Stockham (B-319)	2" X 14"	2" Female I.P.T. (811-777) (HB-675) *	10" Ametek (10-181-014) W/Green Cover (10-181-015)

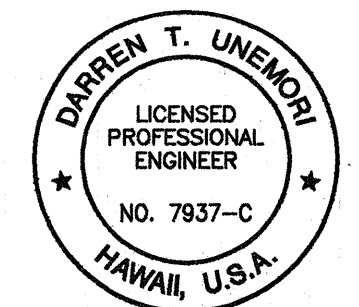
DETAIL - TYPE C & D MODIFIED SINGLE SERVICE LATERAL - A (1 1/2" & 2" METER)

NOT TO SCALE

DATE	DATE	DATE	DATE	DATE	DATE
DATE	DATE	DATE	DATE	DATE	DATE
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ORIGINAL PLAN	NOTE BOOK
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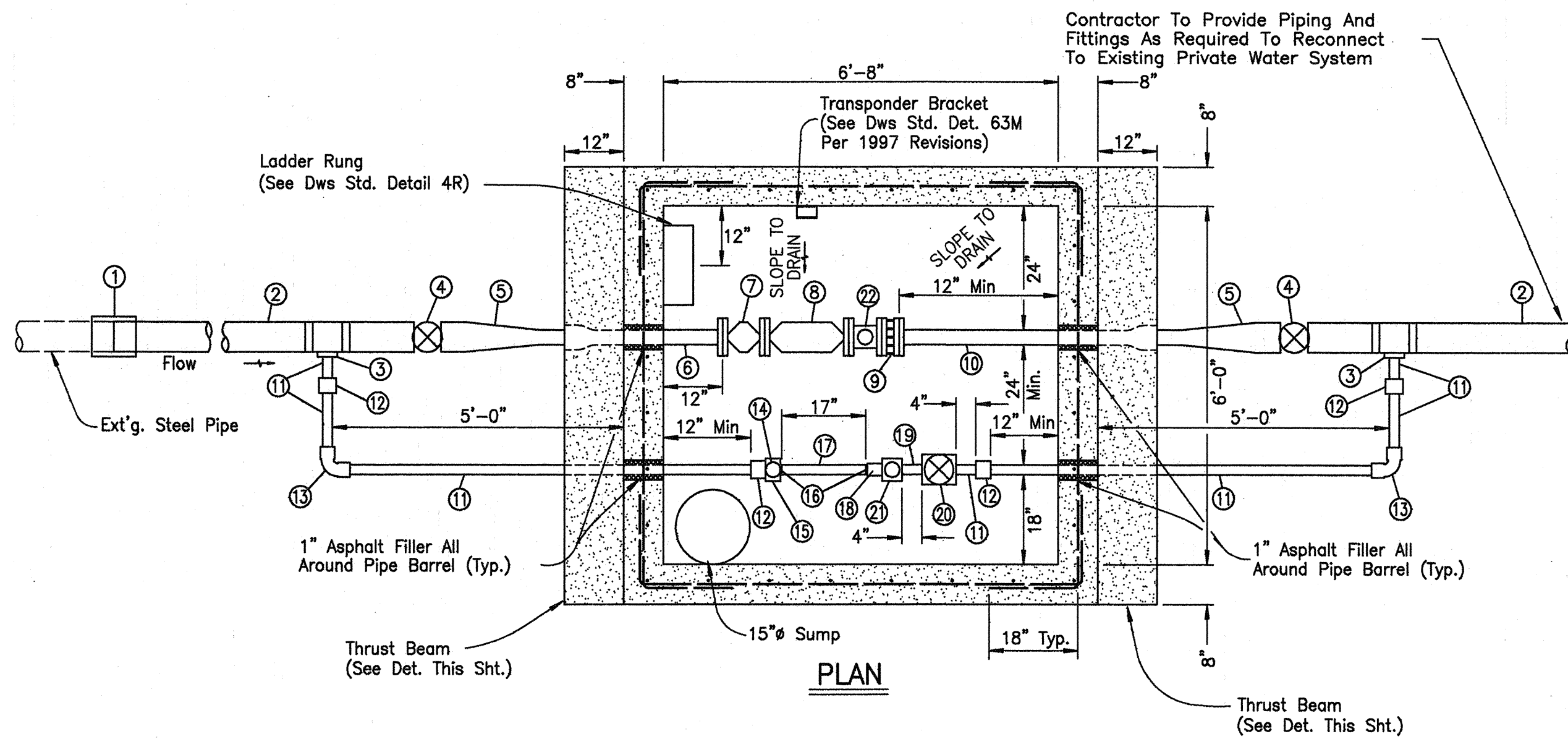
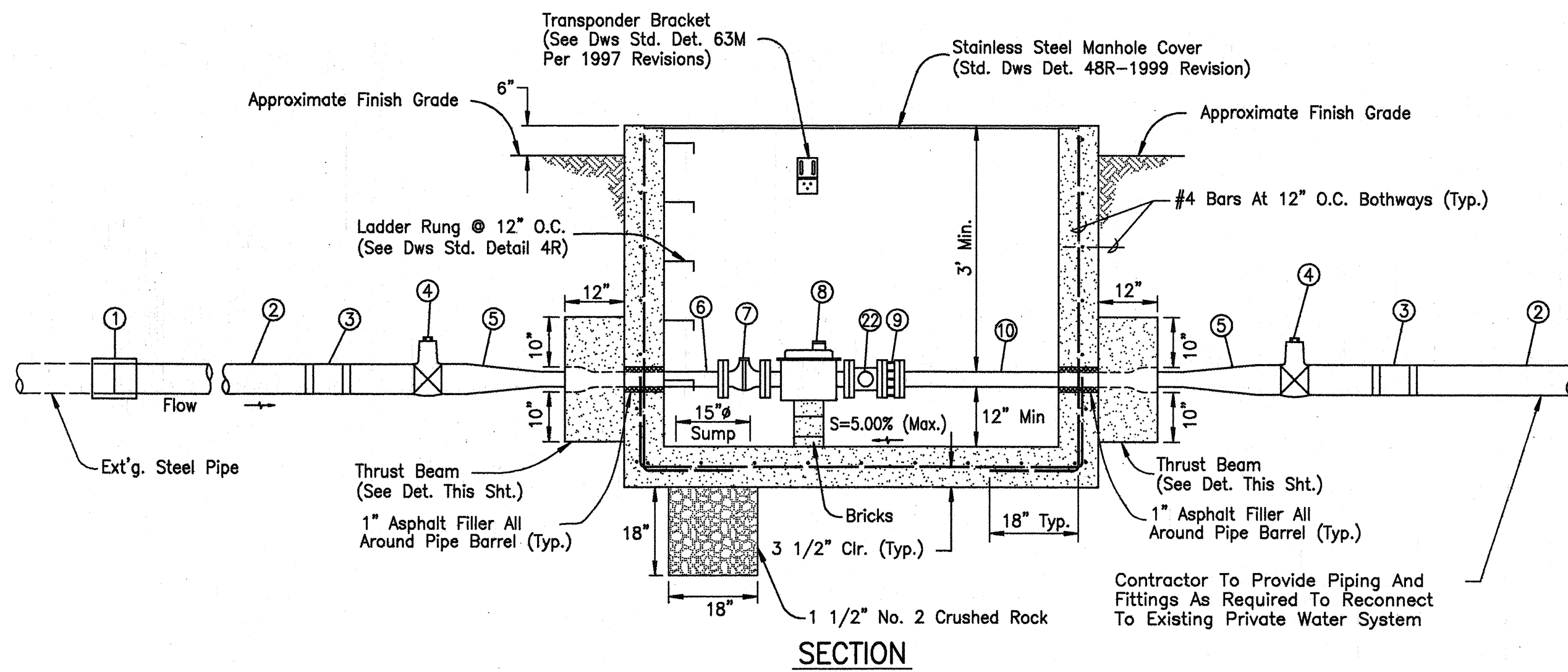
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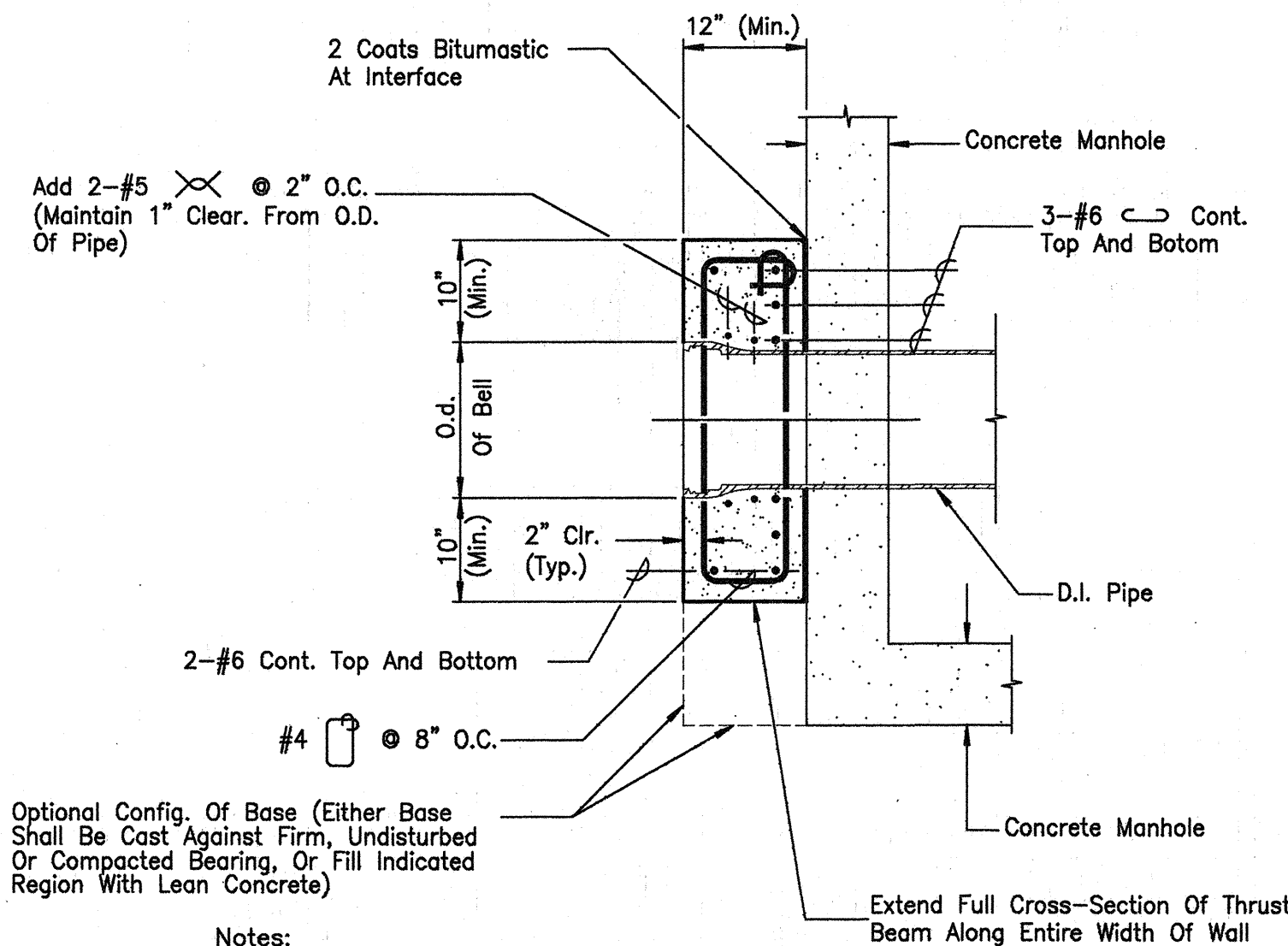
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION
Signature

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
WATER DETAILS
MAIN STREET RESURFACING
CENTRAL AVENUE TO KAAHUMANU AVENUE
AND
KAAHUMANU AVENUE RESURFACING
MAIN STREET TO HOBSON AVENUE
Fed. Aid Project No. NH-032-1(8)
SCALE: AS NOTED
SHEET No. 1 OF 2 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-032-1(8)	2000	108	111



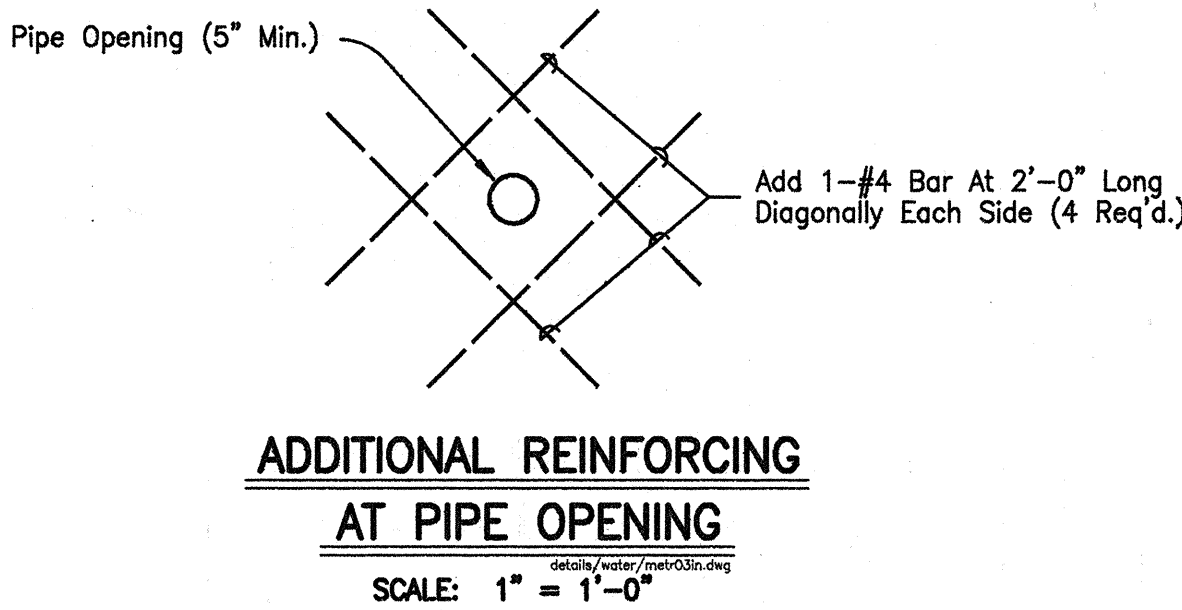
DETAILS - 3" WATER METER
SCALE: 1/2" = 1'-0"



DETAIL - THRUST BEAM
SCALE: 3/4" = 1'-0"

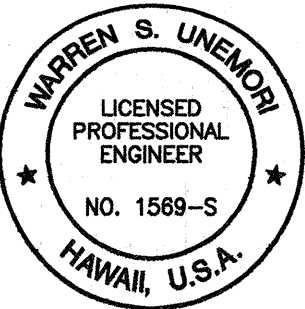
Item	Quantity	Description
1	1	Adapter W/ Dielectric Gasket (Full Face, Fern IPT X PJ)
2	2	6" DI Pipe, PE X EE
3	2	2" X 2" Ballcorp Corporation Stop W/ Double Strap Service Saddle, AWWA Thread X F (FB1600-7)*
4	2	6" Gate Valve W/ SVB&C, MJ
5	2	6" X 3" Reducer, PE X PE
6	1	3" DI Pipe, Bell End X FE
7	1	3" Badger Strainer, FE X FE
8	1	3" Badger Compound Meter, FE X FE
9	1	Flanged Coupling Adapter
10	1	3" DI Pipe, PE X Bell End
11	7	2" Brass Pipe, M X M
12	4	2" Brass Union, F X F
13	2	2" Brass 90 Degree Elbs, F X F
14	1	2" Ball Meter Valve, M X Flg (BF83-777W)*
15	1	"Best" Padlock (Key To Bow Keys)
16	2	Stainless Steel Bolts/Nuts, 5/8" X 3" Type (304)
17	1	Plugged Meter Idler, 2" X 17", Flg X Flg
18	1	2" Bronze Meter. Flg. X M IPT, Ford (CF38-77-2.125)*
19	1	2" Brass Nipple, M X M
20	1	2" Ball Valve Curb Stop, F X F (B11-777)*
21	1	2" Bronze Check Valve, Hammond (904) Or Stockham (B-319)
22	1	3" Bronze Check Valve, Stockham (G-931)

Notes:
* Ford Meter Box Manufacturing Company Numbers



SURVEY PLOTTED BY	DATE
DRAWN BY	DATE
DESIGNED BY	DATE
QUANTITIES BY	DATE
CHECKED BY	DATE

98proj/98048/complans/det-misc.dwg
No.



THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION
Warren S. Unemor
Signature

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
WATER DETAILS
MAIN STREET RESURFACING
CENTRAL AVENUE TO KAAHUMANU AVENUE
AND
KAAHUMANU AVENUE RESURFACING
MAIN STREET TO HOBSON AVENUE
Fed. Aid Project No. NH-032-1(8)

SCALE: AS NOTED
SHEET No. 2 OF 2 SHEETS