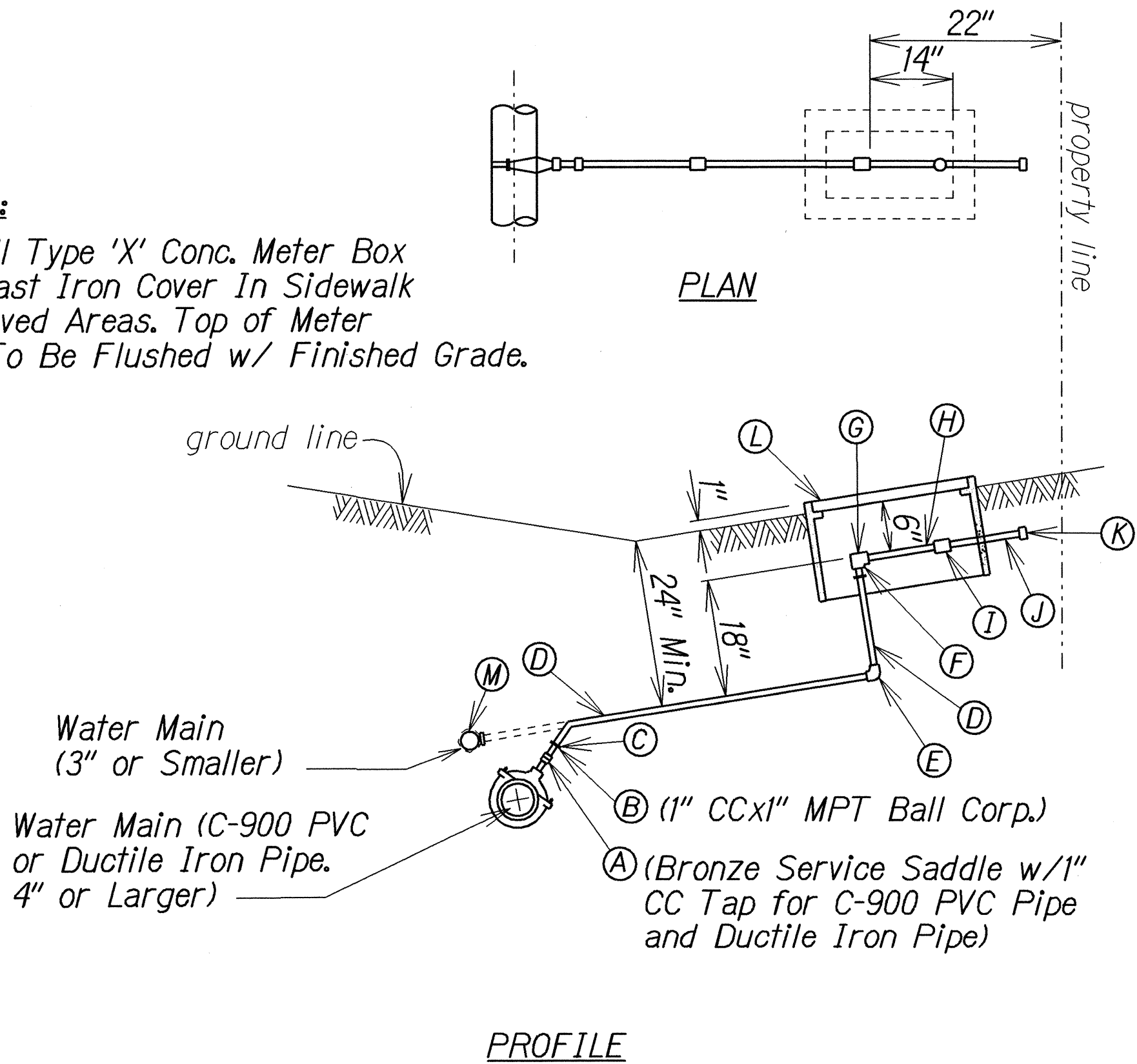


FED. ROAD DIST. NO.	STATE	FEDERAL-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-056-1(47)	2003	21	50

SCHEDULE OF FITTINGS (SINGLE SERVICE LATERAL)	
ITEM DESCRIPTION	Single Service
A. Bronze Service Saddle w/ 1" CC Tap for C-900 PVC Pipe and Ductile Iron Pipe	1
B. 1" CC x 1" MPT Ball Corporation	1
C. Pack Joint Coupling (Ford C14-44 or Approved Equal)	1
D. 1" Copper Tube, Type "K" Soft	1
E. 1" 90° Copper Elbow, SxS	1
F. 1" Copper Male Adapter, SxT	1
G. Angle Ball Valve, 1" Female IPT Inlet x 3/4" Meter Coupling Nut Outlet (Ford BA13-342W or Approved Equal)	1
H. Meter Spacer, Supplied by Dept. of Water and Installed By Contractor	1
I. Ball Valve w/ Handle, 3/4" Meter Coupling Nut Inlet x 1" Female IPT Outlet (Ford BI3-342 w/ HT-34 Handle or Approved Equal)	1
J. Linesetter, 1" Copper Tube, Type "K" Soft, 12" Long (See Std. Det. L3)	1
K. 1" Plastic Thread Protector	1
* L. Type "B" Concrete Meter Box w/ Cast Iron Cover	1
M. Tee w/ 1" Bushing (When Connecting to 3" or Smaller Pipe)	1

*** NOTE:**

Install Type 'X' Conc. Meter Box w/ Cast Iron Cover In Sidewalk or Paved Areas. Top of Meter Box To Be Flushed w/ Finished Grade.

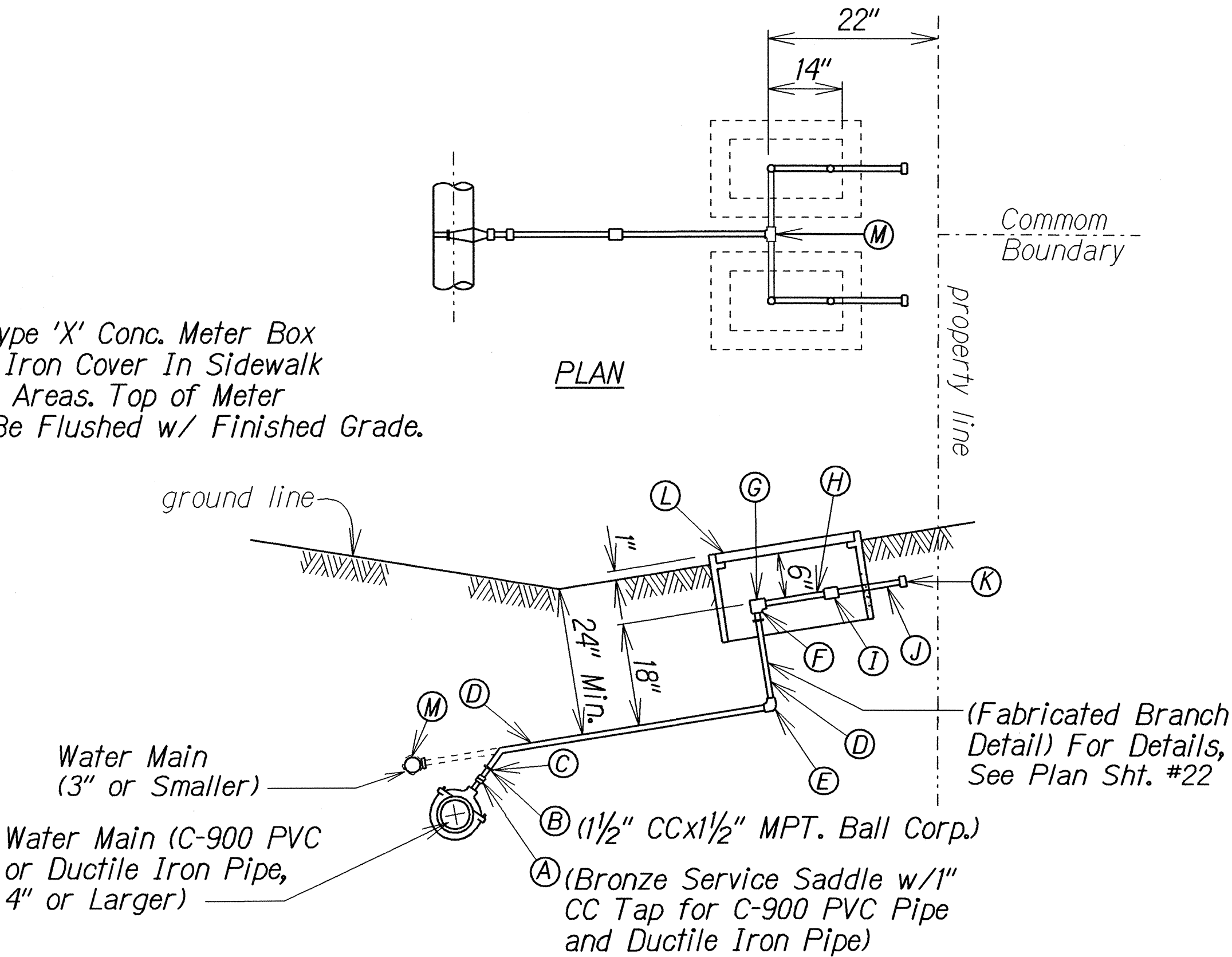


SINGLE SERVICE LATERAL
N.T.S.

SCHEDULE OF FITTINGS (DOUBLE SERVICE LATERAL)	
ITEM DESCRIPTION	Double Service
A. Bronze Service Saddle w/ 1 1/2" CC Tap for C-900 PVC Pipe and Ductile Iron Pipe	1
B. 1 1/2" CC x 1 1/2" MPT Ball Corporation	1
C. Pack Joint Coupling (Ford C14-66 or Approved Equal)	1
D. 1 1/2" Copper Tube, Type "K" Soft	2
E. 1" 90° Copper Elbow, SxS	2
F. 1" Copper Male Adapter, SxT	2
G. Angle Ball Valve, 1" Female IPT Inlet x 3/4" Meter Coupling Nut Outlet (Ford BA13-342W or Approved Equal)	2
H. Meter Spacer, Supplied by Dept. of Water and Installed By Contractor	2
I. Ball Valve w/ Handle, 3/4" Meter Coupling Nut Inlet x 1" Female IPT Outlet (Ford BI3-342 w/ HT-34 Handle or Approved Equal)	2
J. Linesetter, 1" Copper Tube, Type "K" Soft, 12" Long (See Std. Det. L3)	2
K. 1" Plastic Thread Protector	2
* L. Type "B" Concrete Meter Box w/ Cast Iron Cover	2
M. 1" x 1" x 1 1/2" Copper Tee, SxSxS	1
N. Tee w/ 1 1/2" Bushing (When Connecting to 3" or Smaller Pipe)	1

*** NOTE:**

Install Type 'X' Conc. Meter Box w/ Cast Iron Cover In Sidewalk or Paved Areas. Top of Meter Box To Be Flushed w/ Finished Grade.



DOUBLE SERVICE LATERAL
N.T.S.

APPROVED:

Wagner
Manager & Chief Engineer
Department of Water
4/25/03
Date

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
STANDARD WATER DETAILS
KUHIO HIGHWAY
Pedestrian Facilities and ADA Compliance
at Various Locations
Federal-Aid Project No. CMAQ-056-1(47)
Not to Scale
Date: Mar. 2003
SHEET No. 1 OF 2 SHEETS

