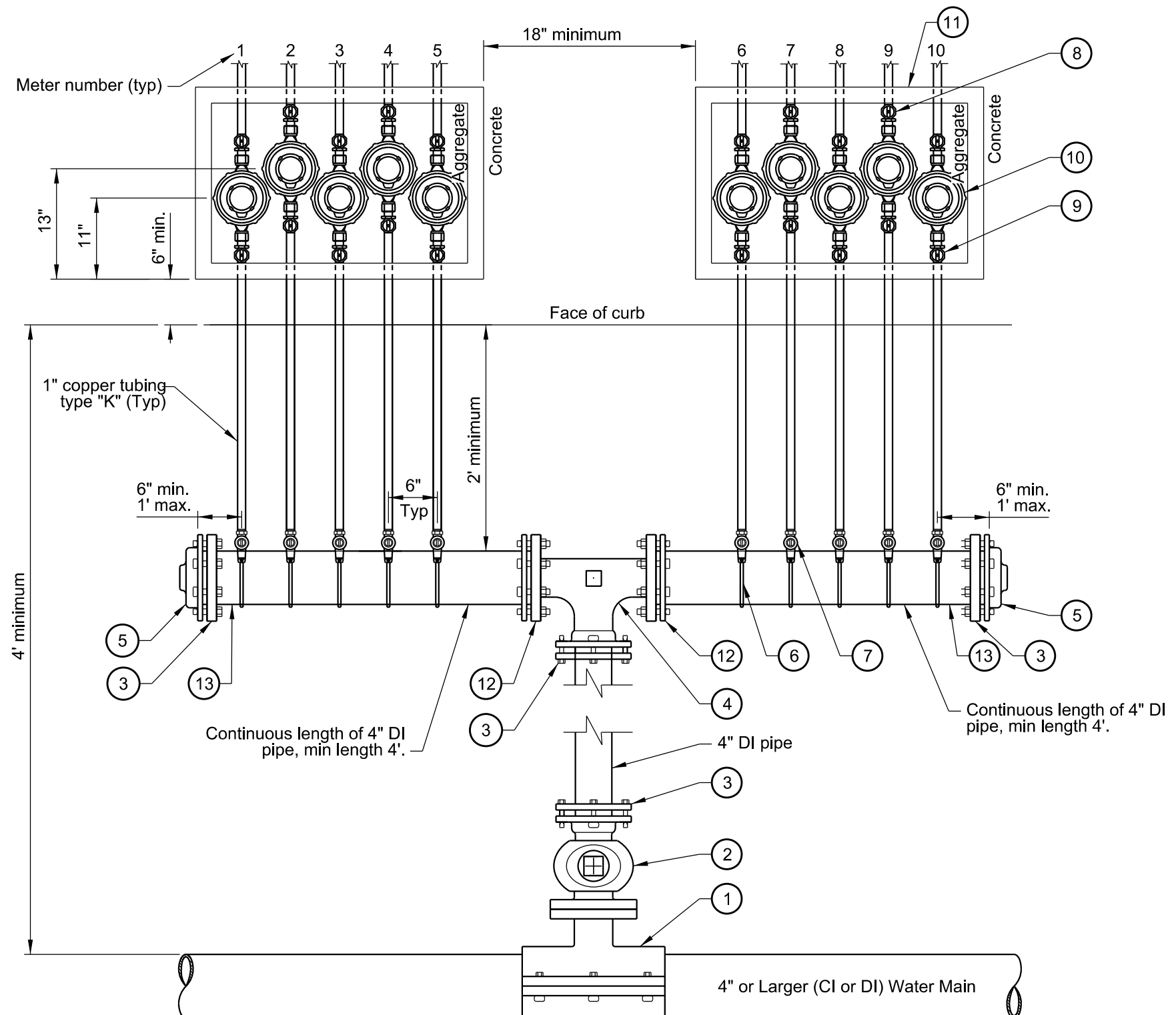


Plot Date: 3/23/2023 11:06:28 AM Filename: C:\CADspace\Local\CAD\_Proj\Projects\W5VC22.1C\_L\_Header\_Service\_Detail\_P-785.dgn



**Plan View**  
NTS  
Preferred Meter Locations

Total Number of Meters	Meter Location Number										
	1	2	3	4	5	Tee	6	7	8	9	10
3	X		X		X						
4	X	X	X		X						
5	X	X	X	X	X						
6	X	X	X	X	X						
7	X	X	X	X	X		X		X		
8	X	X	X	X	X		X		X		X
9	X	X	X	X	X		X	X	X		X
10	X	X	X	X	X		X	X	X	X	X

## Materials List

Item No	Size	Qty	Description
1	varies x4"	1	Tapping sleeve (flange outlet)
2	4"	1	Tapping gate valve (FL x MJ)
3	4"	6	Gland, wedge action retainer (Megalug)
4	4"x4"x4"	1	Tee, DI MJ x MJ
5	4"	2	Tapped cap (MJ) with 2" brass plug.
6	4"x1"	10	service saddle
7	1"	10	1" Corporation Stop
8	1"	10	Insulated (dielectric isolation) Angle Meter Stop
9	1"	10	Angle Meter Stop
10	1"	10	Meter - see standard drawing P-780
11	24"x36"	2	H-20 Rated Lid on #9 wood form, see Std Drawing P-980
12	4"	2	Dielectric isolation joint, see Std. Drawing P-760
13	-	4	32 lb. bare metal weight magnesium anode bonded to 4" DI pipe

### Notes:

1. Install 24" x 36" frame and cover and # 9 wood form with non-skid surface in furnishing zone. Install 24" x 36" H-20 traffic rated frame and cover and # 9 wood form with non-skid surface together in driveways. Pour concrete around wood form to fill to surrounding backfill.
2. A 3/4" or 5/8" meter may be substituted for any of the 1" meters. If all meters in the box are 3/4" or 5/8", or a combination thereof; then 6 meters can be placed in each service box.
3. Service lines and 4" DI pipe shall maintain 1.5' vertical separation when crossing other utilities. Vertical separation may be reduced to 6" with mitigation approved by PWB. Provide a sleeve when the 4" DI crosses potential stray current sources, See Standard Drawing P-770.
4. If less than five meters are installed in a box, note position of meters to be installed, and position of meter locations not used.
5. Install meters at a depth of 12".

<p>The selection and use of this Standard Drawing, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user.</p>	PORTLAND WATER BUREAU CITY OF PORTLAND, OREGON   Chief Engineer	
	Standard Drawing Title <h3>1" Header Service Assembly - Option A</h3> <h3>Ten 1" Meters</h3>	
	Effective Date Calc. Book No. Baseline Report Date	Standard Drawing No. <h2>P-785</h2>

Note:  
All material and workmanship shall be in accordance with City of Portland Standard Construction Specifications.