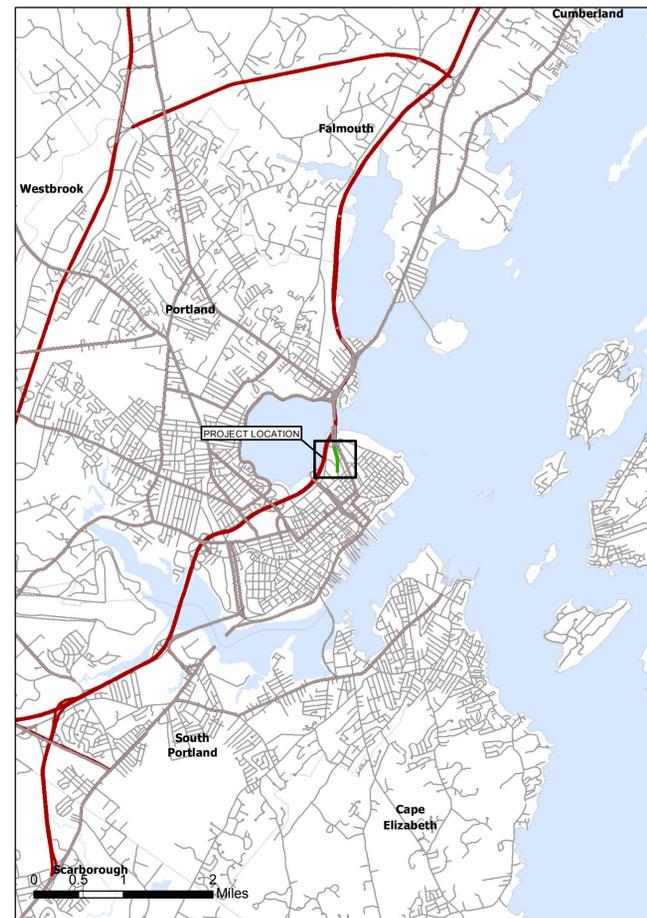




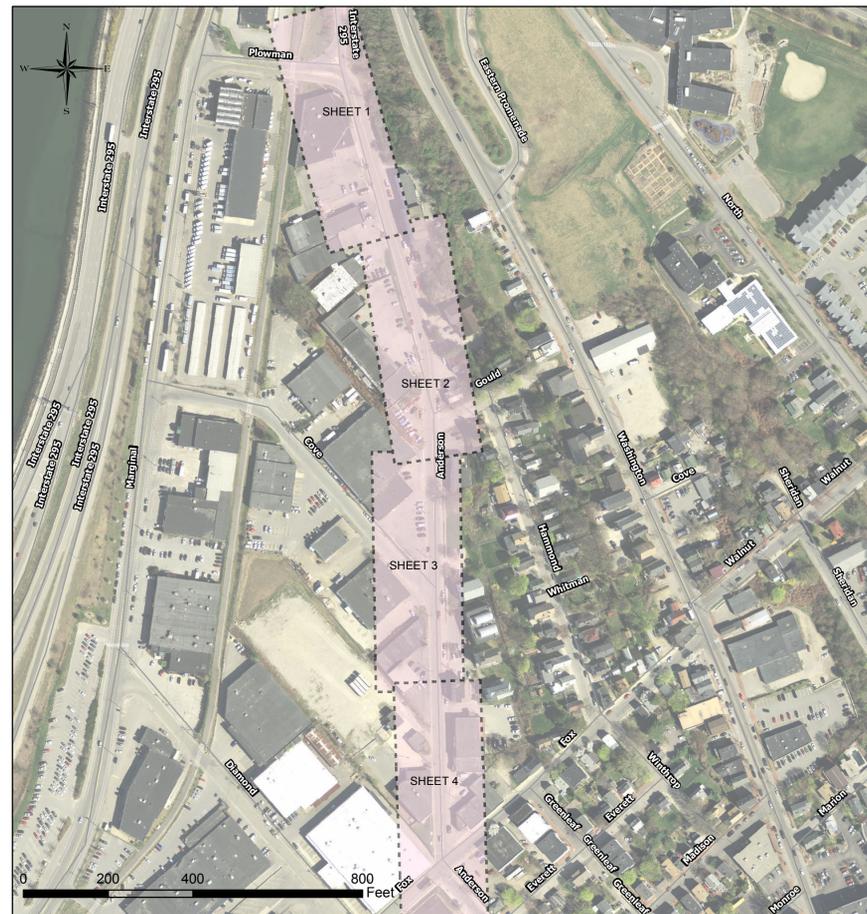
PORTLAND WATER DISTRICT PORTLAND, MAINE

ANDERSON STREET PHASE II WATER MAIN REPLACEMENT

PROJECT LOCATION



AREA MAP



DRAWING INDEX

<u>PWD SHEET</u>	<u>DESCRIPTION</u>
1	ANDERSON STREET
2	ANDERSON STREET / GOULD STREET
3	ANDERSON STREET / COVE STREET
4	ANDERSON STREET
5	STANDARD DETAILS (1/2)
6	STANDARD DETAILS (2/2)

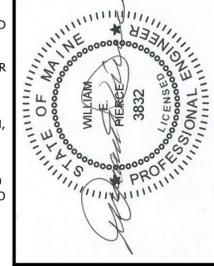
2015



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PROJECT: **313382**

**ANDERSON STREET PHASE II
WATER MAIN REPLACEMENT
PORTLAND, MAINE**

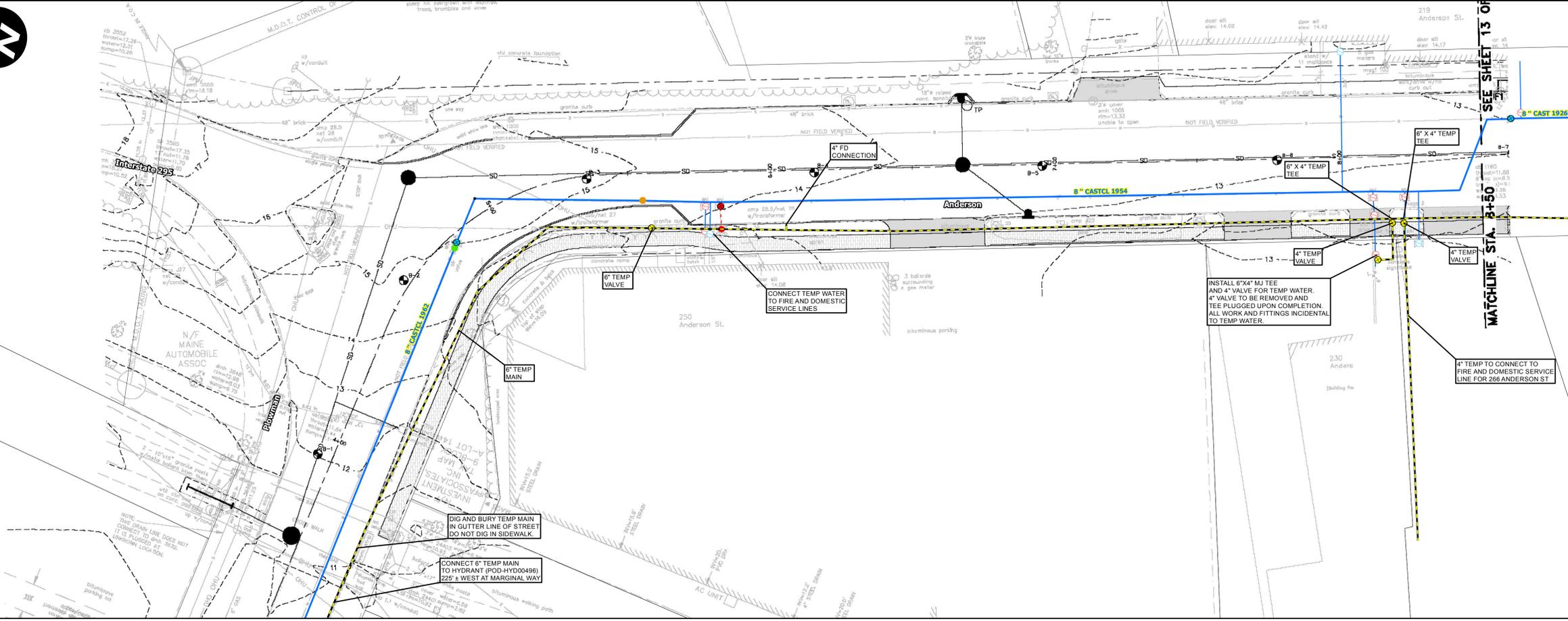


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DATE: 05/13/2015

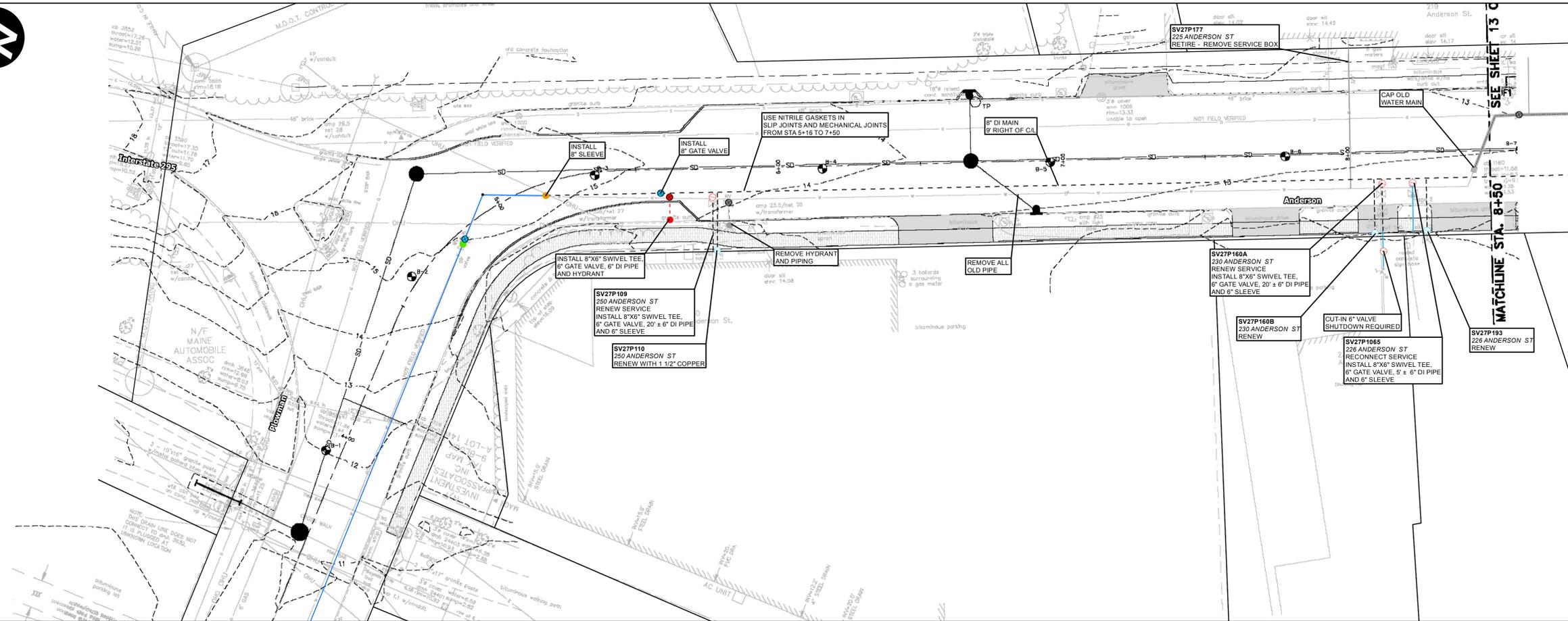
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ASSET MANAGEMENT AND PLANNING DEPARTMENT
225 DOUGLASS STREET, PORTLAND ME 04104
(207) 774-5961 • WWW.PWD.ORG



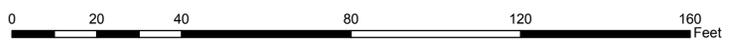
SHEET: **1 OF 6**



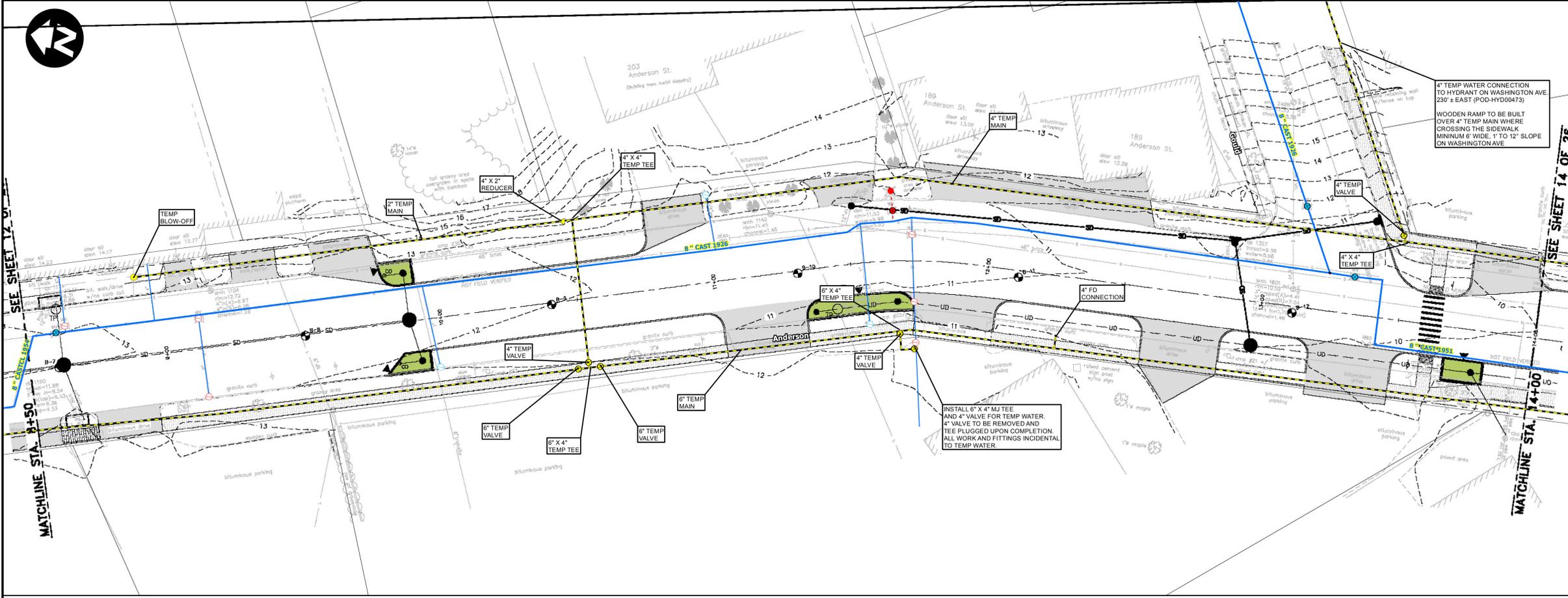
EXISTING AND TEMPORARY MAINS
1" = 20'



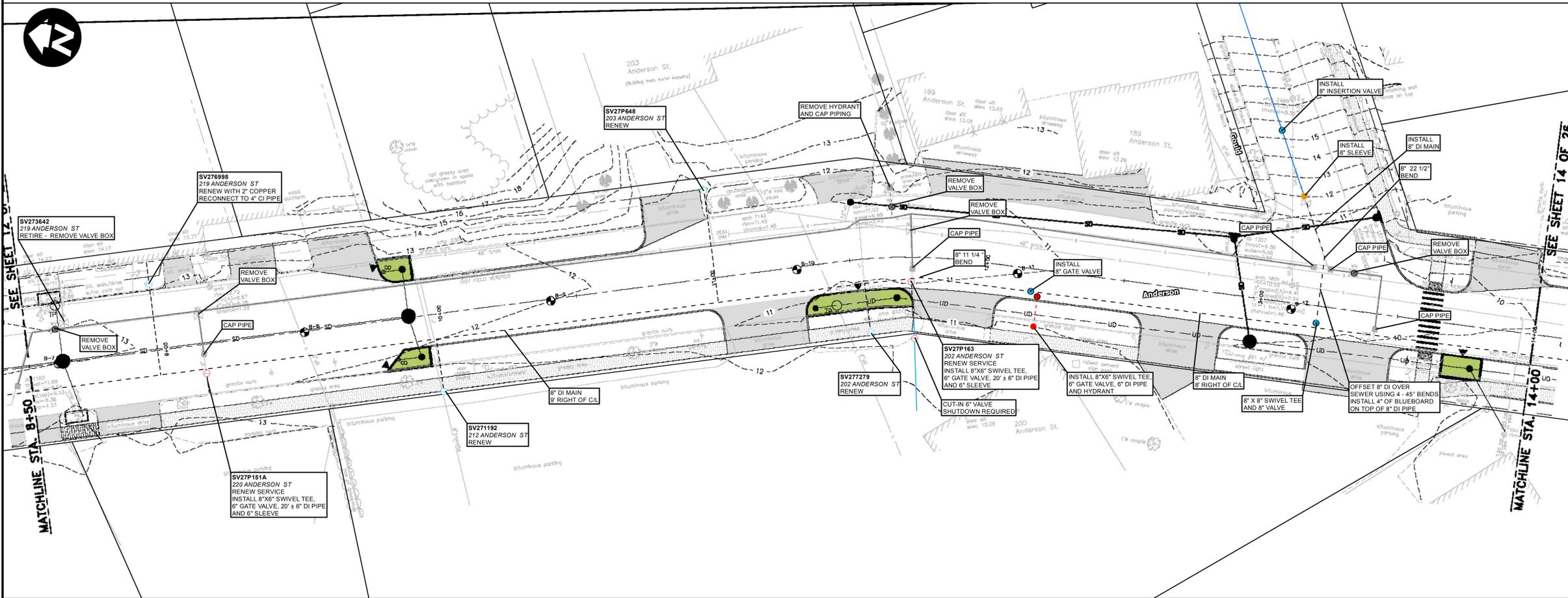
PROPOSED MAINS
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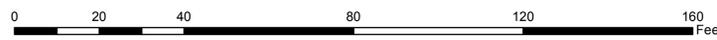
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PROJECT: **313382**

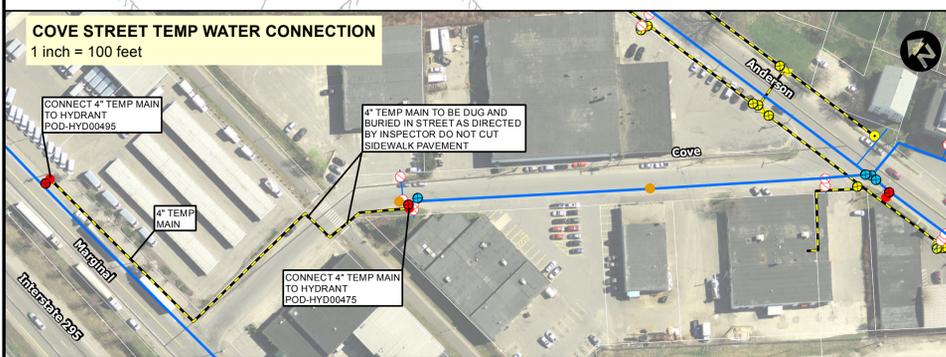
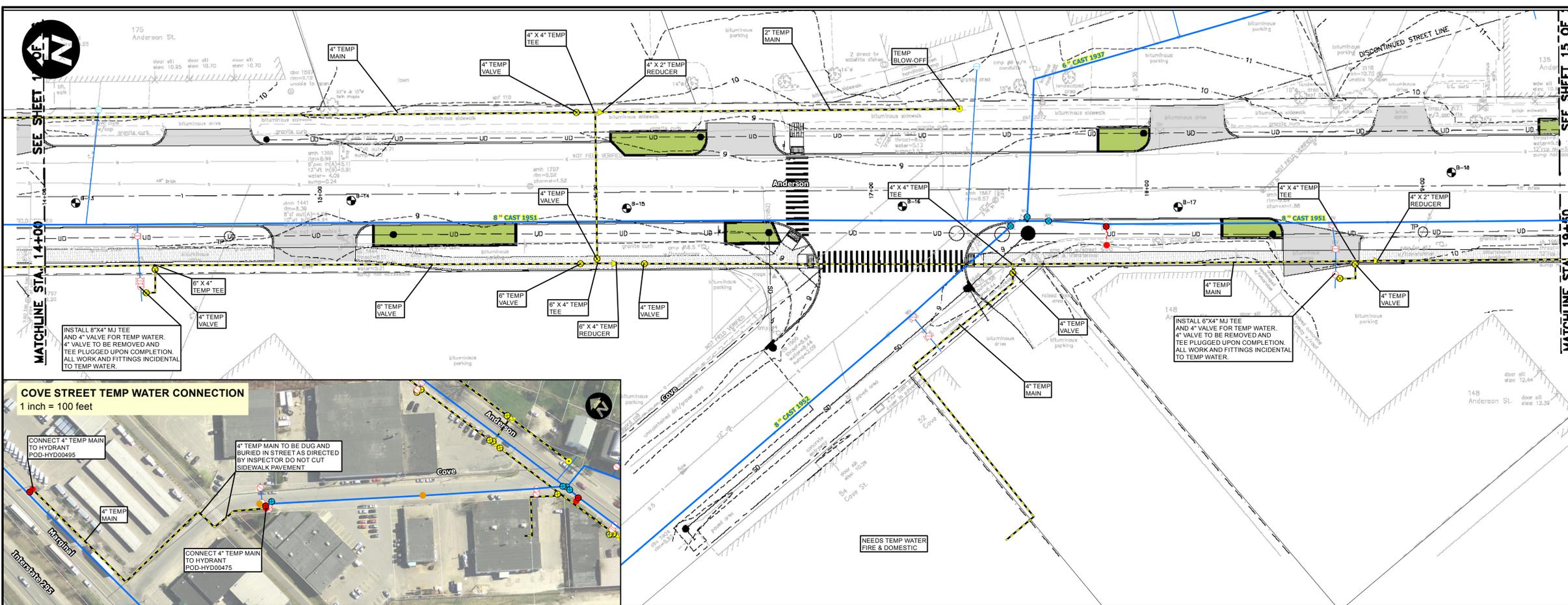
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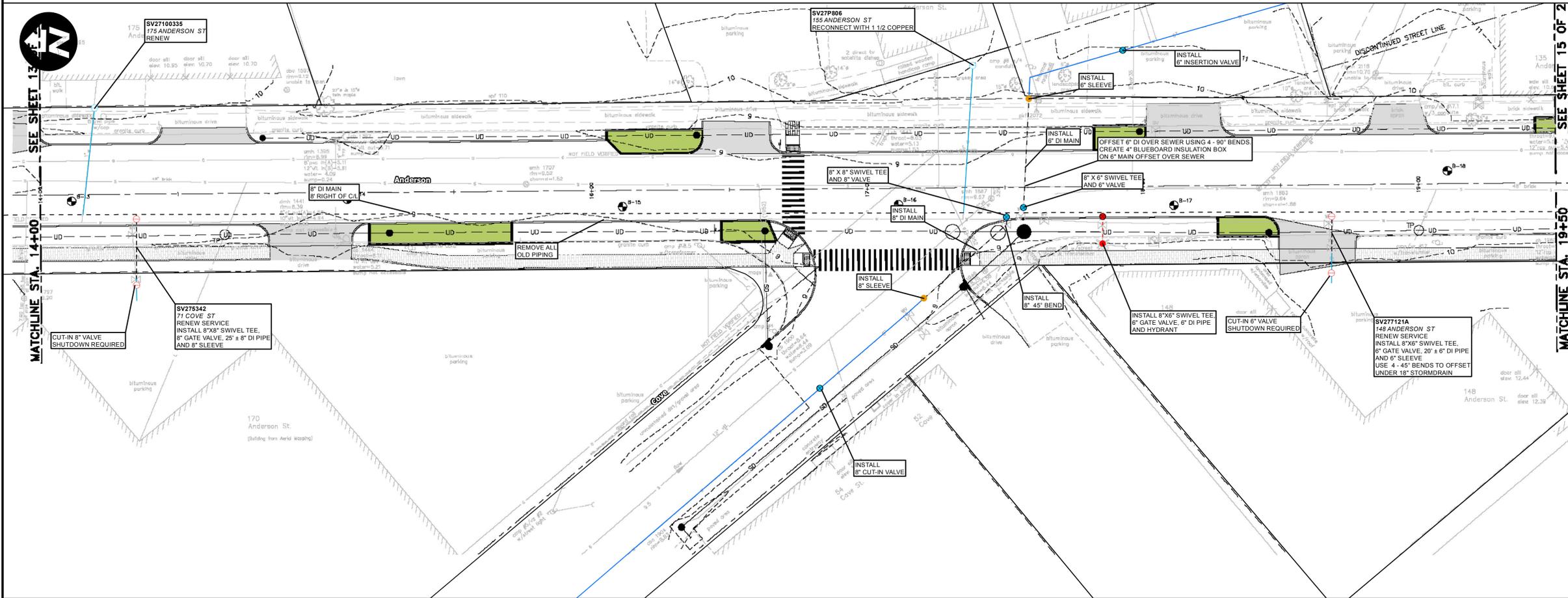
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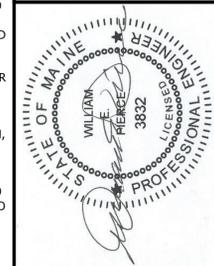


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PROJECT: 313382

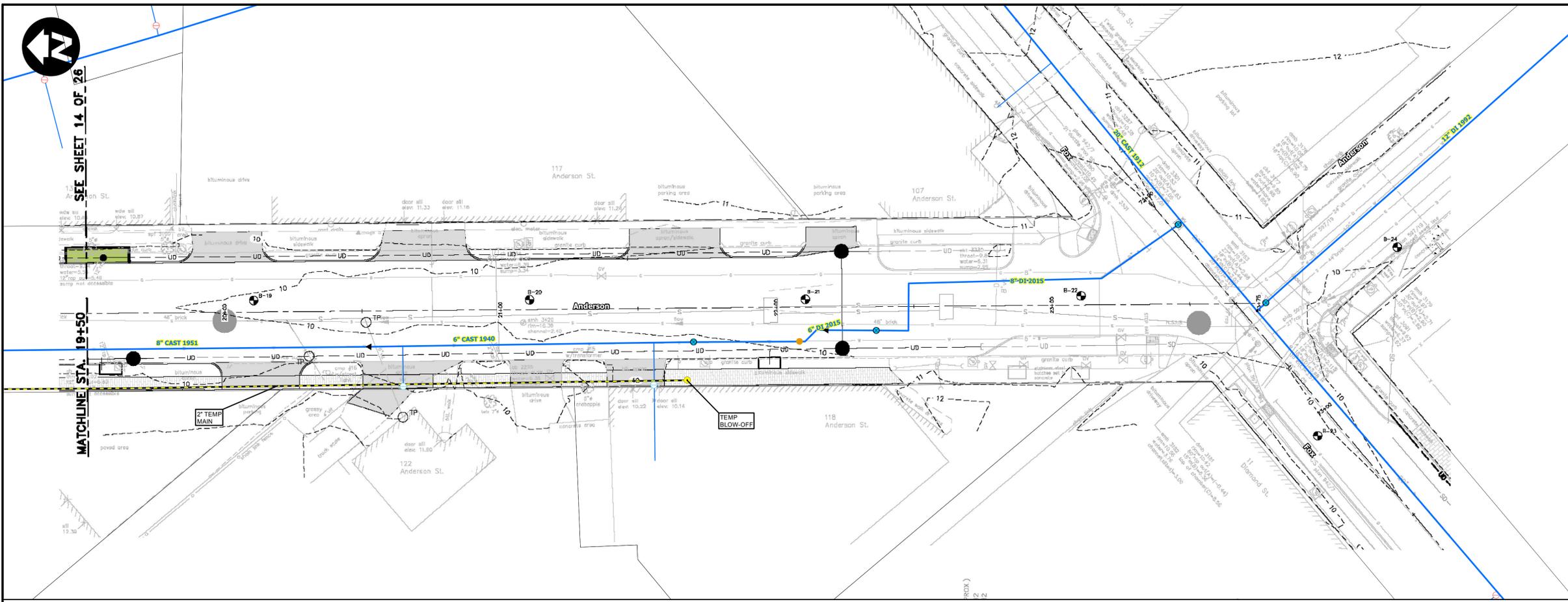
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WATER MAIN REPLACEMENT
PORTLAND, MAINE**



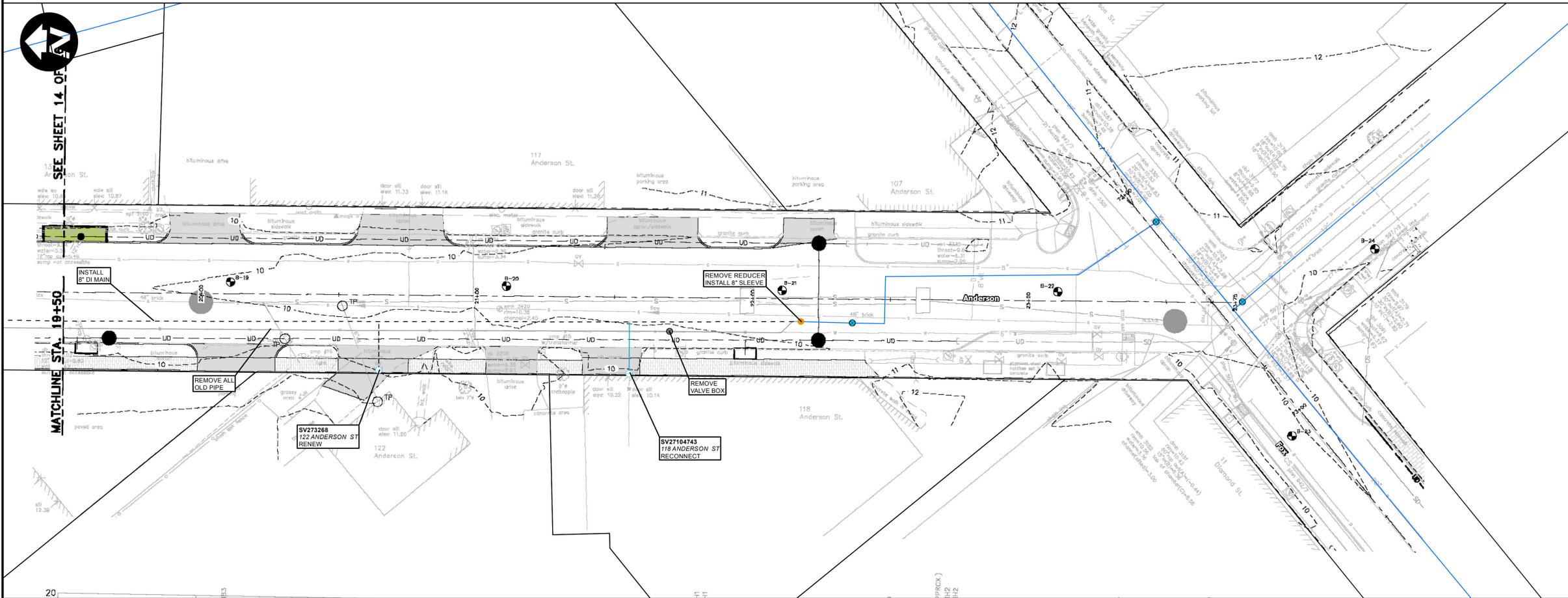
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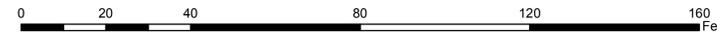




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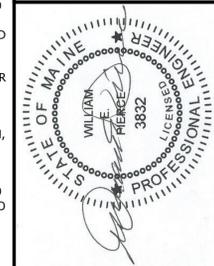
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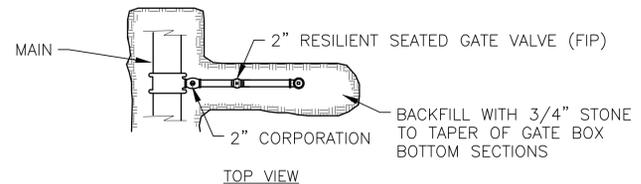


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STANDARD DETAILS**

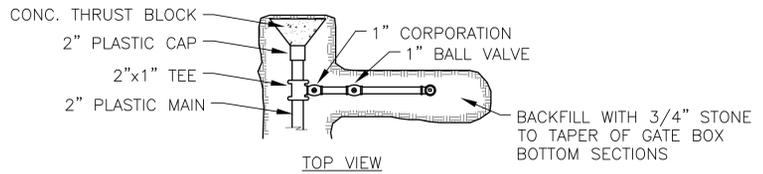


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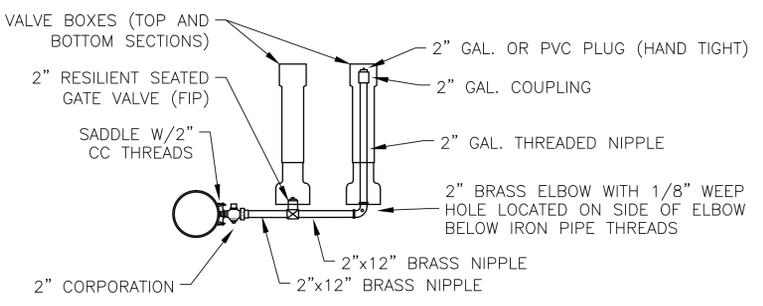
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TOP VIEW

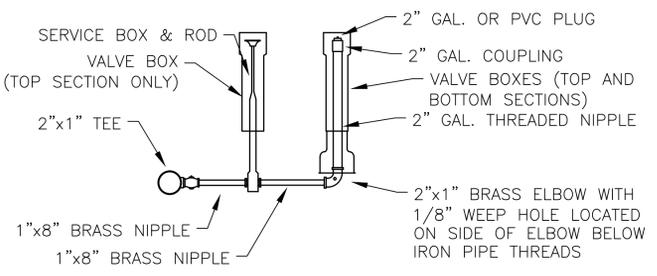


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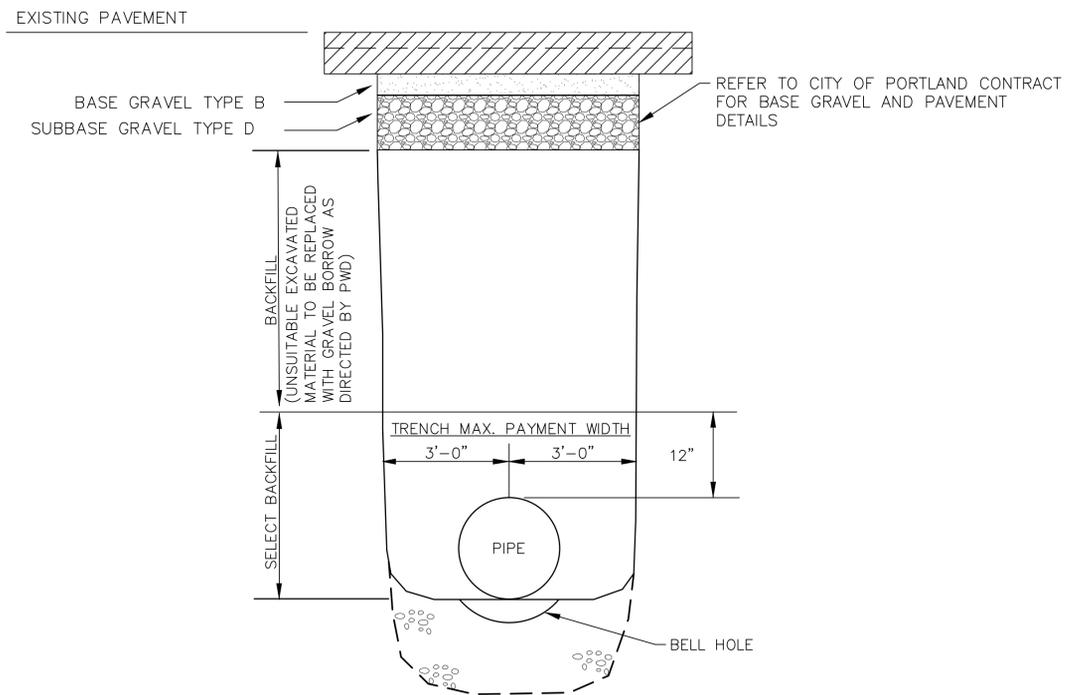
SIDE VIEW

SIDE-ARM BLOW-OFF
4" & LARGER MAINS

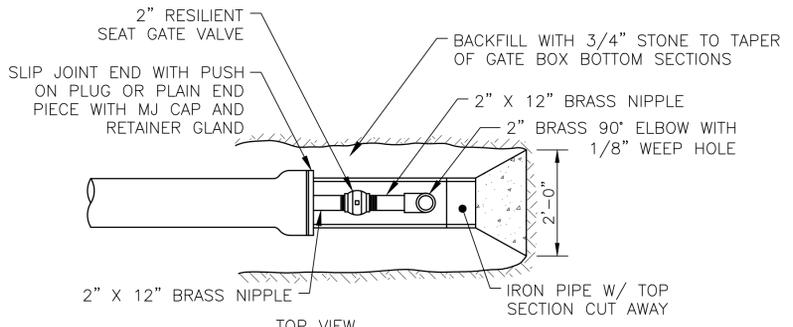


SIDE VIEW

SIDE-ARM BLOW-OFF
2" MAIN

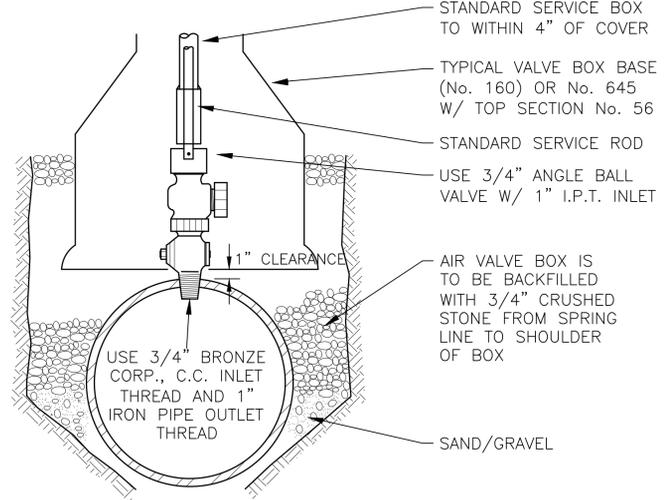


SECTION THRU EARTH TRENCH

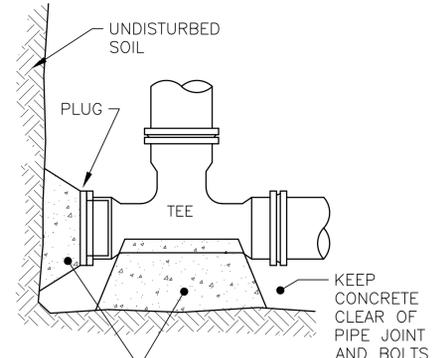


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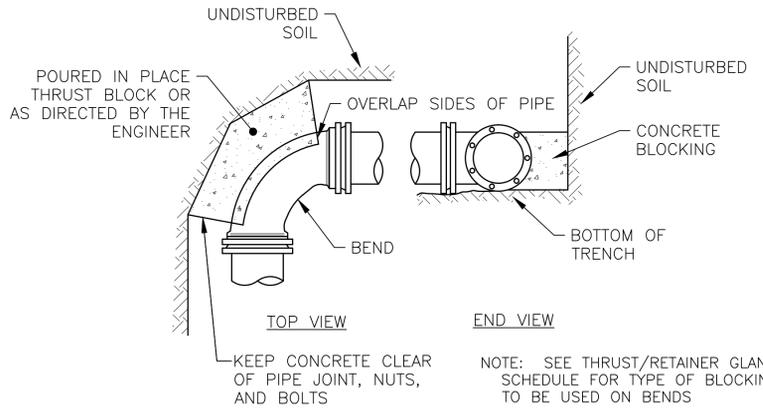
STANDARD 2" BLOW OFF



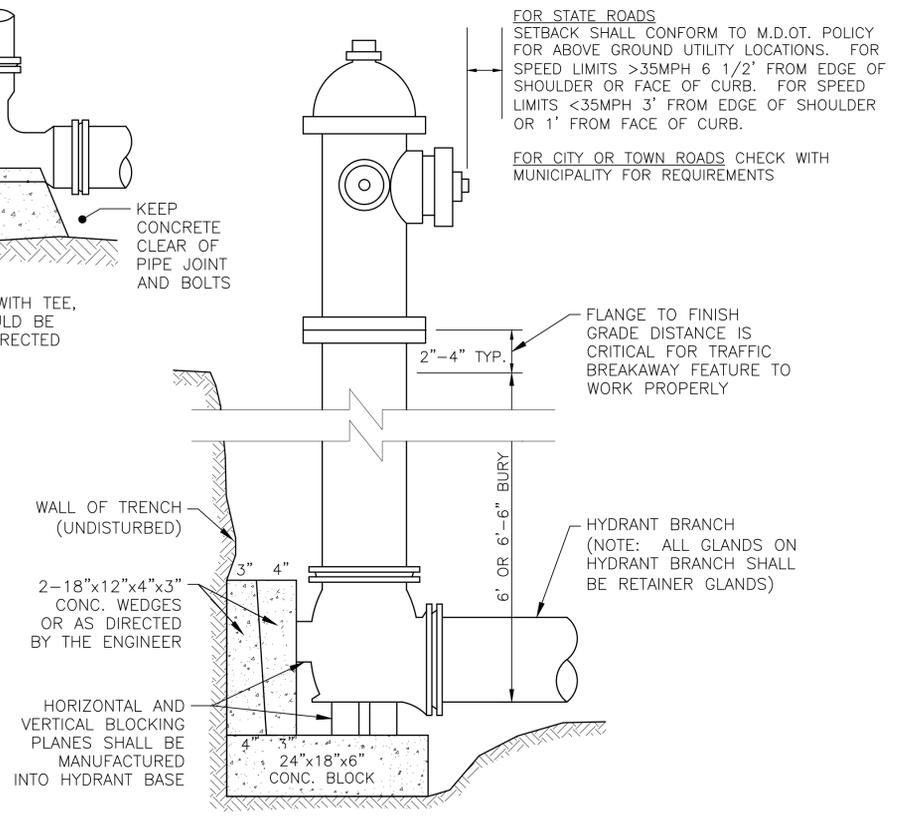
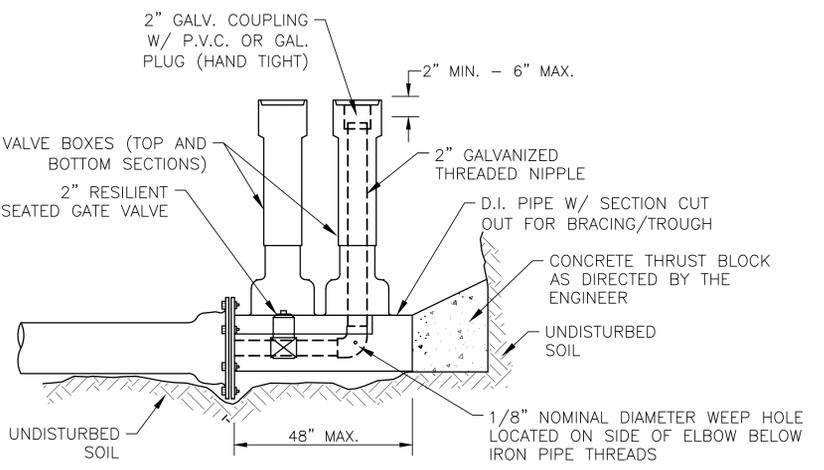
TYPICAL AIR VALVE (1")



NOTE: IF DEAD END WITH TEE, THRUST BLOCK WOULD BE REQUIRED OR AS DIRECTED BY THE ENGINEER



STANDARD BEND BLOCKING



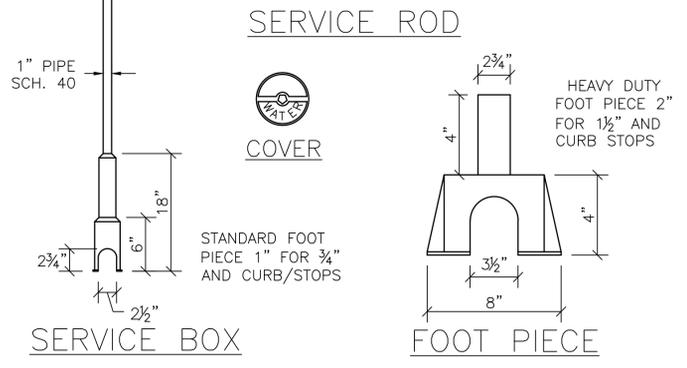
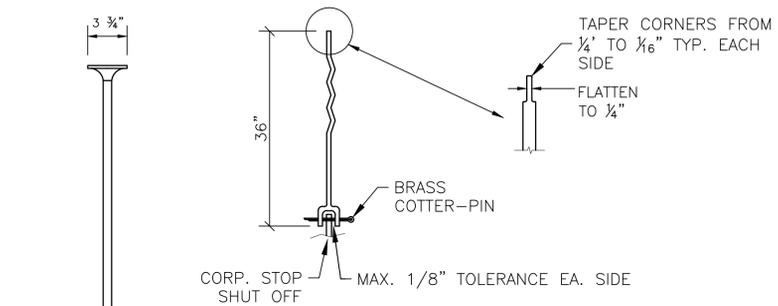
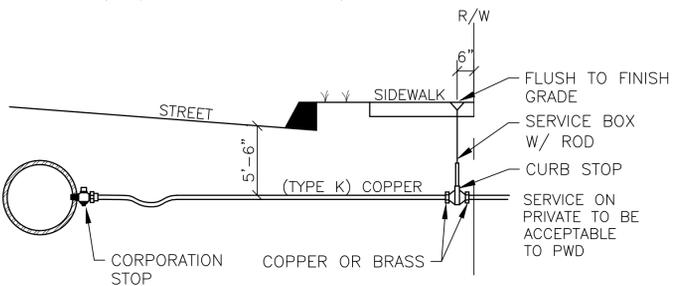
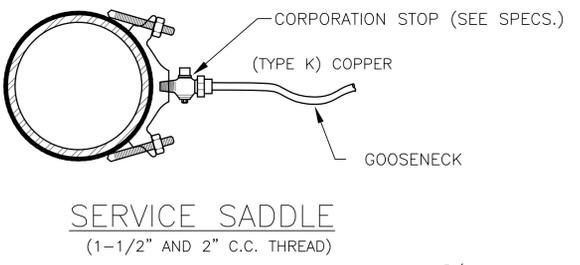
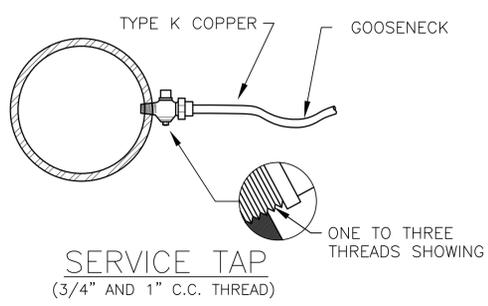
TYPICAL HYDRANT
INSTALLATION DETAIL

**ANDERSON STREET PHASE II
WATER MAIN REPLACEMENT
PORTLAND, MAINE
STANDARD DETAILS**

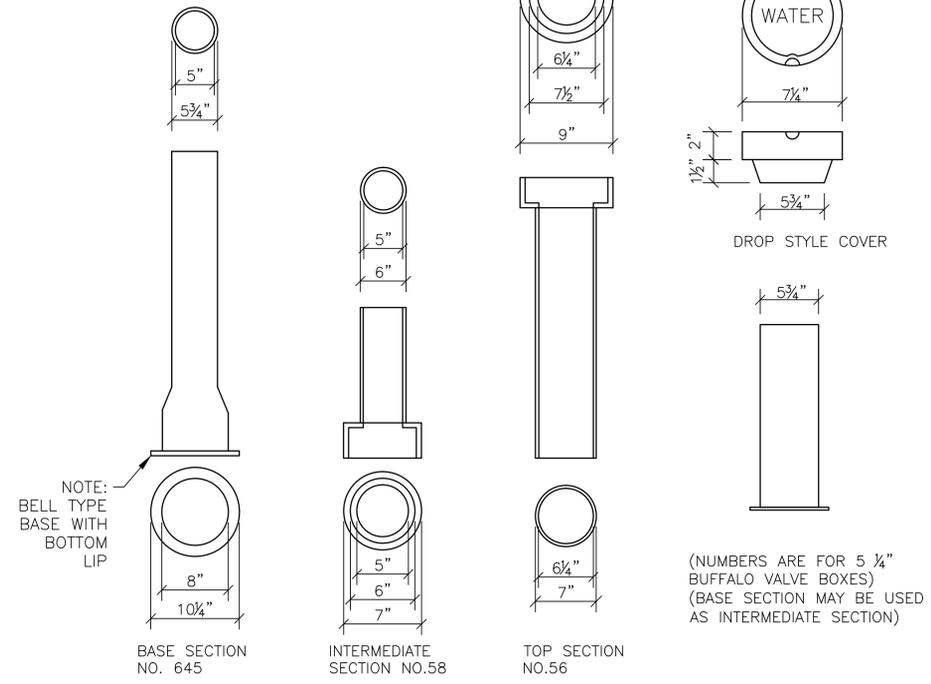


DRAWN BY: TAW
DESIGN BY: JA
CHECKED BY: WEP
DATE: 03/11/2015

Portland Water District
ASSET MANAGEMENT AND PLANNING DEPARTMENT
225 DOUGLASS STREET, PORTLAND ME 04104
(207) 774-5961 EXT. 3041 • MEANS@PWD.ORG



NOTE: ANY EXTENSION OF SERVICE BOX REQUIRES:
1. 1" FEMALE IRON PIPE COUPLING
2. 1" THREADED PIPE (THIS IS TO BE A NON-WELDED, TWO PIECE ARRANGEMENT. SLIP ON ADAPTERS ARE NOT PERMISSIBLE.)

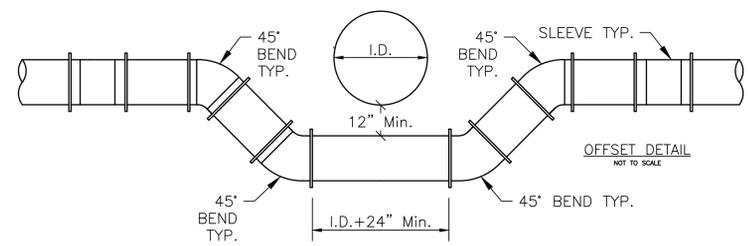


5/8" TO 2" METERS

- METER BOX**
- TO BE INSTALLED AND SUPPLIED BY OWNER
 - MINIMUM 4'-0" DIAMETER CONC. M.H. W/ CEMENT BASE
 - WATER METER TO HAVE 5'-6" OF COVER AND IS TO BE SUPPLIED BY P.W.D.
 - OWNER IS TO SUPPLY 2 VALVES INSIDE OF PIT (MINIMUM SEPARATION OF 2'-0") 5) COPPER PIPE REQUIRED THRU METER PIT

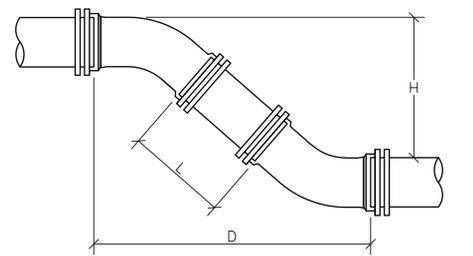
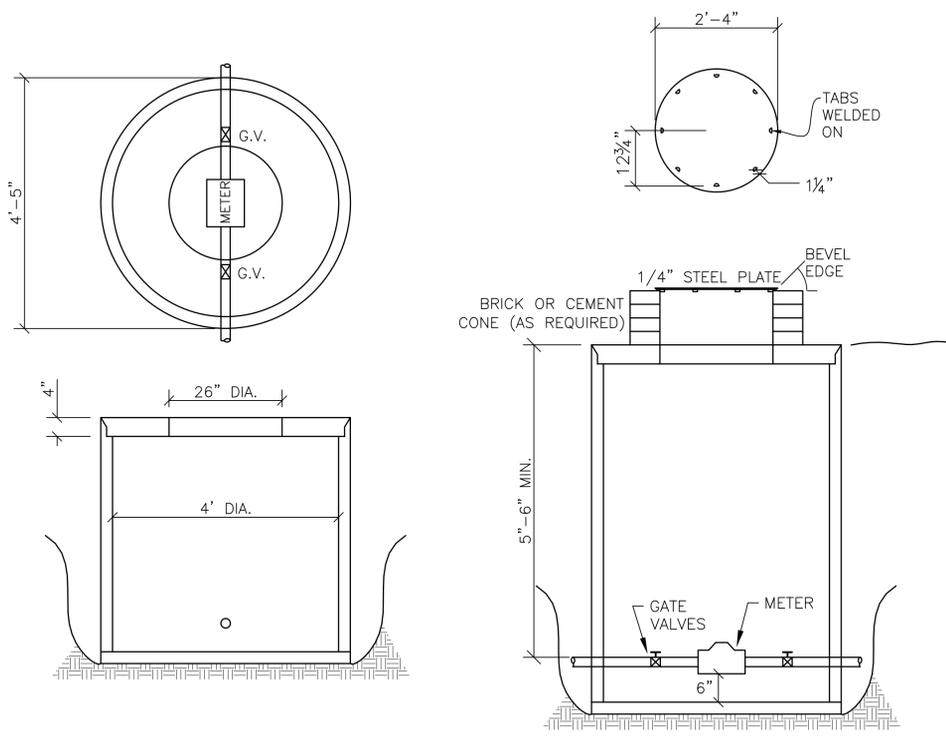
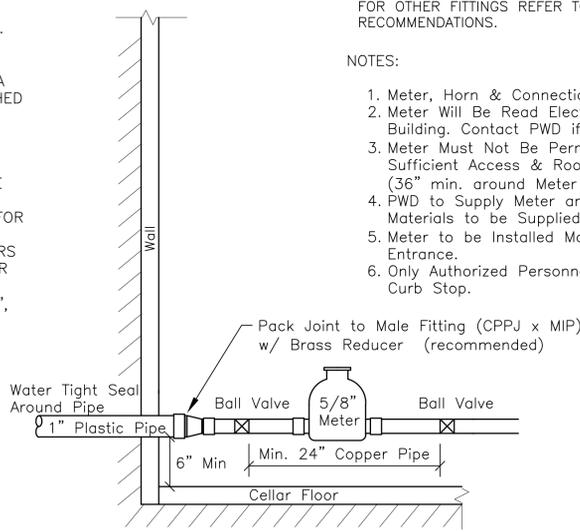
- COVER PLATE**
- COVER MUST WEIGH LESS THAN 60 lbs.
 - MINIMUM SIZE OF COVER WILL BE 28" DIAMETER.
 - IF STEEL PLATE IS USED, TREAT WITH A COAT OF RUST INHIBITING PAINT. FINISHED GROUND

- NOTES:**
- THIS PIT IS TO BE PLACED ON PRIVATE PROPERTY NEAR THE STREET LINE.
 - THIS TYPICAL PIT WAS NOT DESIGNED FOR ANY TRAFFIC LOAD
 - THE PIT CAN BE ORDERED THRU OTHERS WITH SPECIAL DETAILS SUCH AS LARGER M.H. COVERS, ETC.
 - THIS PIT WILL HOUSE UP TO TWO 5/8", 3/4", OR 1" METERS



NOTE: DIMENSIONS APPLICABLE FOR SIGMA COMPACT BENDS. FOR TYLER COMPACT BENDS, ADD 1/2" TO "D" DIMENSION AND SUBTRACT 1/2" FROM "L" DIMENSION. FOR OTHER FITTINGS REFER TO MANUFACTURER'S RECOMMENDATIONS.

- NOTES:**
- Meter, Horn & Connections Installed by PWD.
 - Meter Will Be Read Electronically From Outside of Building. Contact PWD if Pre-Wiring is Required.
 - Meter Must Not Be Permanently "Boxed" Without Sufficient Access & Room for Future Servicing (36" min. around Meter for Servicing).
 - PWD to Supply Meter and Meter Horn. All Other Materials to be Supplied by Homeowner.
 - Meter to be Installed Maximum 18" from Entrance.
 - Only Authorized Personnel Shall Operate Service Curb Stop.



6" PIPE		8" PIPE		12" PIPE	
H	D	D	L	D	L
12"	1' 6-1/2"	0' 10-1/2"	1' 7-1/2"	0' 9-1/2"	1' 11-1/2"
13"	1' 7-1/2"	0' 11-7/8"	1' 8-1/2"	0' 10-7/8"	2' 0-1/2"
14"	1' 8-1/2"	1' 1-5/16"	1' 9-1/2"	1' 0-5/16"	2' 1-1/2"
15"	1' 9-1/2"	1' 2-11/16"	1' 10-1/2"	1' 1-11/16"	2' 2-1/2"
16"	1' 10-1/2"	1' 4-1/8"	1' 11-1/2"	1' 3-1/8"	2' 3-1/2"
17"	1' 11-1/2"	1' 5-9/16"	2' 0-1/2"	1' 4-9/16"	2' 4-1/2"
18"	2' 0-1/2"	1' 6-15/16"	2' 1-1/2"	1' 5-15/16"	2' 5-1/2"
19"	2' 1-1/2"	1' 7-3/8"	2' 2-1/2"	1' 7-3/8"	2' 6-1/2"
20"	2' 2-1/2"	1' 8-13/16"	2' 3-1/2"	1' 8-13/16"	2' 7-1/2"
21"	2' 3-1/2"	1' 11-3/16"	2' 4-1/2"	1' 10-3/16"	2' 8-1/2"
22"	2' 4-1/2"	2' 0-5/8"	2' 5-1/2"	1' 11-5/8"	2' 9-1/2"
23"	2' 5-1/2"	2' 2"	2' 6-1/2"	2' 1"	2' 10-1/2"
24"	2' 6-1/2"	2' 3-7/16"	2' 7-1/2"	2' 2-7/16"	2' 11-1/2"
25"	2' 7-1/2"	2' 4-7/8"	2' 8-1/2"	2' 3-7/8"	3' 0-1/2"
26"	2' 8-1/2"	2' 6-1/4"	2' 9-1/2"	2' 5-1/4"	3' 1-1/2"
27"	2' 9-1/2"	2' 7-11/16"	2' 10-1/2"	2' 6-11/16"	3' 2-1/2"
28"	2' 10-1/2"	2' 9-1/8"	2' 11-1/2"	2' 8-1/8"	3' 3-1/2"
29"	2' 11-1/2"	2' 10-1/2"	3' 0-1/2"	2' 9-1/2"	3' 4-1/2"
30"	3' 0-1/2"	2' 11-15/16"	3' 1-1/2"	2' 10-15/16"	3' 5-1/2"
31"	3' 1-1/2"	3' 1-9/16"	3' 2-1/2"	3' 1-9/16"	3' 6-1/2"
32"	3' 2-1/2"	3' 2-3/4"	3' 3-1/2"	3' 1-3/4"	3' 7-1/2"
33"	3' 3-1/2"	3' 4-3/16"	3' 4-1/2"	3' 3-3/16"	3' 8-1/2"
34"	3' 4-1/2"	3' 5-9/16"	3' 5-1/2"	3' 4-9/16"	3' 9-1/2"
35"	3' 5-1/2"	3' 6-1/2"	3' 6-1/2"	3' 5-1/2"	3' 10-1/2"
36"	3' 6-1/2"	3' 8-7/16"	3' 7-1/2"	3' 7-7/16"	3' 11-1/2"
37"	3' 7-1/2"	3' 9-13/16"	3' 8-1/2"	3' 8-13/16"	4' 0-1/2"
38"	3' 8-1/2"	3' 11-1/4"	3' 9-1/2"	3' 10-1/4"	4' 1-1/2"
39"	3' 9-1/2"	4' 1-13/16"	3' 10-1/2"	4' 1-13/16"	4' 2-1/2"
40"	3' 10-1/2"	4' 2-1/16"	3' 11-1/2"	4' 1-1/16"	4' 3-1/2"
41"	3' 11-1/2"	4' 3-1/2"	4' 0-1/2"	4' 2-1/2"	4' 4-1/2"
42"	4' 0-1/2"	4' 4-7/8"	4' 1-1/2"	4' 3-7/8"	4' 5-1/2"
43"	4' 1-1/2"	4' 6-3/16"	4' 2-1/2"	4' 5-3/16"	4' 6-1/2"
44"	4' 2-1/2"	4' 7-3/4"	4' 3-1/2"	4' 6-3/4"	4' 7-1/2"
45"	4' 3-1/2"	4' 9-1/8"	4' 4-1/2"	4' 8-1/8"	4' 8-1/2"
46"	4' 4-1/2"	4' 10-9/16"	4' 5-1/2"	4' 9-9/16"	4' 9-1/2"
47"	4' 5-1/2"	4' 11-13/16"	4' 6-1/2"	4' 10-13/16"	4' 10-1/2"
48"	4' 6-1/2"	5' 1-3/8"	4' 7-1/2"	5' 0-3/8"	4' 11-1/2"
49"	4' 7-1/2"	5' 2-13/16"	4' 8-1/2"	5' 1-13/16"	5' 0-1/2"
50"	4' 8-1/2"	5' 4-3/16"	4' 9-1/2"	5' 3-3/16"	5' 1-1/2"
51"	4' 9-1/2"	5' 5-9/8"	4' 10-1/2"	5' 4-9/8"	5' 2-1/2"
52"	4' 10-1/2"	5' 7-1/16"	4' 11-1/2"	5' 6-1/16"	5' 3-1/2"
53"	4' 11-1/2"	5' 8-7/16"	5' 0-1/2"	5' 7-7/16"	5' 4-1/2"
54"	5' 0-1/2"	5' 9-7/8"	5' 1-1/2"	5' 8-7/8"	5' 5-1/2"
55"	5' 1-1/2"	5' 11-5/16"	5' 2-1/2"	5' 10-5/16"	5' 6-1/2"