RAINIER VIEW WATER COMPANY

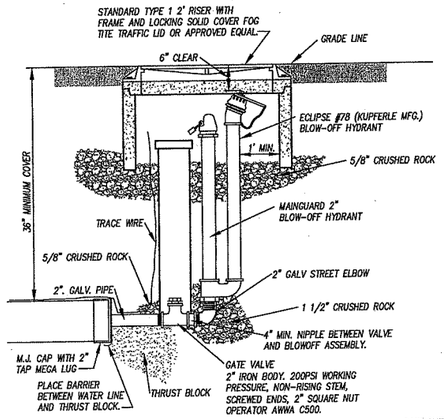
SILVER CREEK APARTMENTS - WATER MAIN EXTENSION - NOTES AND DETAILS

A PORTION OF SEC. 33, TWP. 19 N., RGE 4 E., W.M.

PIERCE COUNTY, WASHINGTON

811 Know what's below. Call before you dig.

DESIGN APPROVAL, DATE 2-24-16
RAINIER VIEW WATER COMPANY

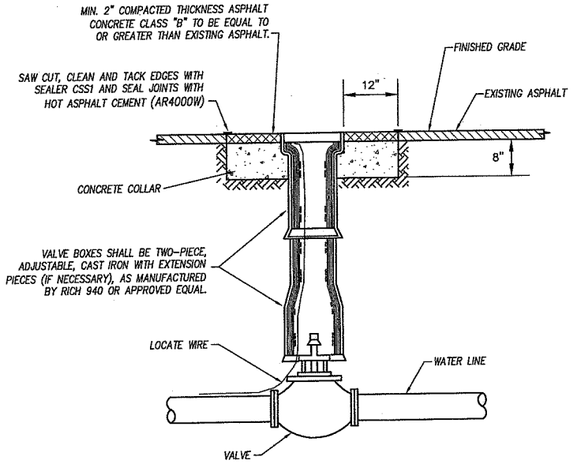


BLOW-OFF ASSEMBLY DETAIL

N.T.S.
(REVISED 2013)

INSTALLATION NOTE:

1. BLOW-OFF WILL EXTEND FORM END OF MAINLINE.
2. THRUST BLOCK WILL BE POURED AS NOT IMPEDE THE DRAINING OF THE STAND PIPE.
3. A MINIMUM OF 18" OF 1 ¼" DRAIN ROCK WILL BE PLACED AT THE BOTTOM OF TRENCH WITH THE REMAINDER OF TRENCH BACKFILLED WITH 5/8" CRUSHED ROCK TO THE BASE OF THE BOX.
4. #14 TRACE WIRE WILL BE RUN UP AND INTO THE BLOW-OFF BOX.

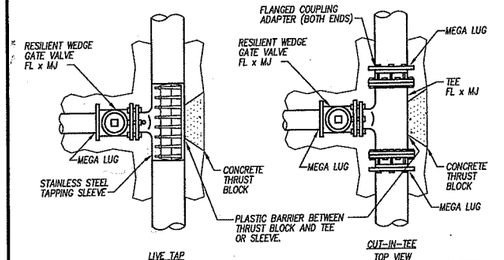


NOTES:

1. VALVE BOXES TO HAVE TABS TURNED IN THE DIRECTION OF THE WATER MAIN INSTALLED ON, AND CENTERED OVER OPERATING NUT ON VALVE.
2. ALL EXISTING CAST IRON VALVE BOXES SHALL BE ADJUSTED TO GRADE WITH CAST IRON COMPONENTS.
3. ALIGNMENTS OF THE VALVE BOX SHALL BE THE DEVELOPERS RESPONSIBILITY AND CARE SHALL BE TAKEN TO ENSURE THAT THE VALVE MAY BE OPERATED.
4. LOCATE WIRE TO EXTEND MINIMUM OF 12" BEYOND TOP OF VALVE BOX.

VALVE BOX

N.T.S.
(REVISED 2013)



NOTES:

1. SUPPORT VALVE AND SLEEVE CONTINUOUSLY THROUGH INSTALLATION.
2. 11 MIL PLASTIC OR CONSTRUCTION FABRIC SHALL BE WRAPPED AROUND PIPE AND FITTINGS BEFORE THRUST BLOCK IS POURED.

CONNECTION TO EXISTING MAIN DETAIL

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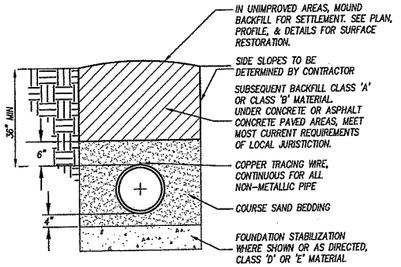
(REVISED 2013)



TYPICAL TRENCH DETAIL

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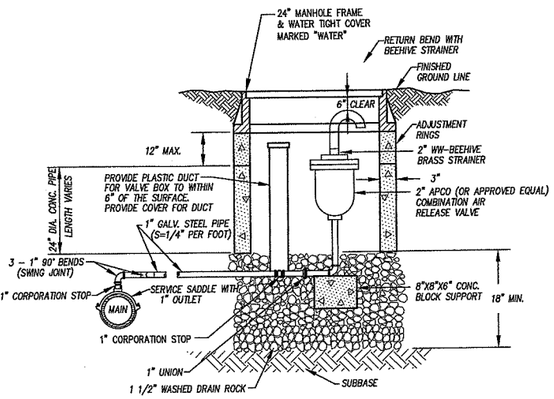
(REVISED 2013)



NOTES:

1. VALVE ASSEMBLY SHALL BE SET AT THE HIGH POINT OF THE LINE.
2. A MINIMUM OF ONE 4" ADJUSTMENT RING MUST BE PROVIDED IN TRAFFIC AREA SETTINGS.
3. ADJUSTMENT RINGS AND MANHOLE RING TO BE GROUTED, WATER TIGHT.
4. IF DETERMINED BY THE WATER COMPANY THAT EXISTING SOIL OR WATER TABLE CONDITIONS ARE INADEQUATE FOR PROPER DRAINAGE, A VENT PIPE WILL BE REQUIRED. VENT PIPE CONSTRUCTION WILL REQUIRE WATER COMPANY APPROVAL PRIOR TO INSTALLATION.

2" AIR AND VACUUM RELEASE VALVE

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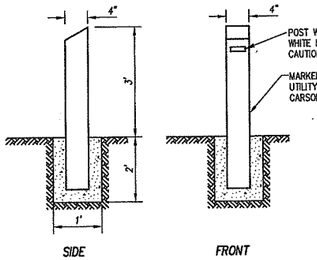

VALVE MARKER POST DETAIL

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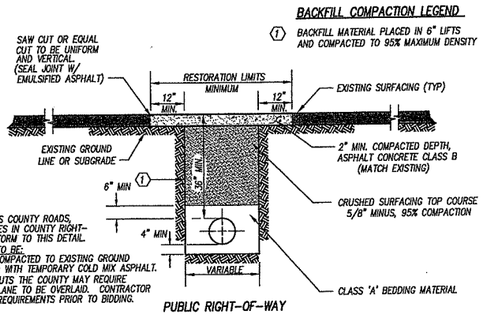
(REVISED 2013)



NOTES:

1. ALL PATCHES ACROSS COUNTY ROADS, OR ROAD APPROACHES IN COUNTY RIGHT-OF-WAY SHALL CONFORM TO THIS DETAIL.
2. TEMPORARY PATCH TO BE: BACKFILLED AND COMPACTED TO EXISTING GROUND LINE AND PATCHED WITH TEMPORARY COLD MIX ASPHALT.
3. FOR LONGITUDINAL CUTS THE COUNTY MAY REQUIRE THE ENTIRE DRIVING LANE TO BE OVERLAID. CONTRACTOR TO VERIFY OVERLAY REQUIREMENTS PRIOR TO BIDDING.

UTILITY PATCH DETAIL

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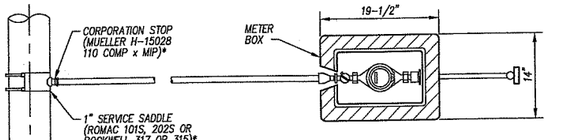
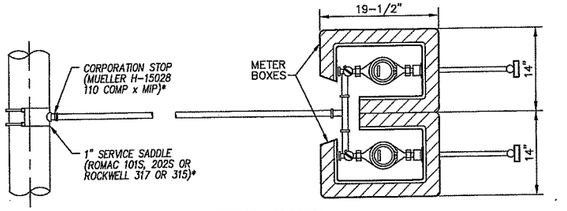
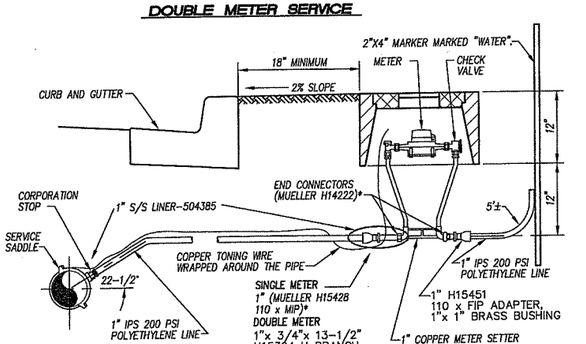
(REVISED 2013)



SINGLE METER SERVICE



DOUBLE METER SERVICE



METER BOX SPECIFICATIONS:

CONDITIONS: TRAFFIC BEARING

SPECIFICATIONS: METER BOX SHALL BE HIGH-DENSITY POLYETHYLENE ONE PIECE MOLDED CONSTRUCTION WITH CAST IRON TRAFFIC BEARING LID WITH READER ACCESS MEETING HS-20 LOADING REQUIREMENTS.

BOX TYPE: MID STATES PLASTICS MSBCF OR EQUIVALENT.

CONDITIONS: STANDARD INSTALLATION

BOX TYPE: CARSON STANDARD METER BOX # 1015-12 WITH FLUSH COVER WITH READER LID # 1015-5 OR EQUIVALANT.

NOTES:

1. STAINLESS STEEL INSERTS REQUIRED FOR ALL COMPRESSION FITTINGS.
2. ALL SERVICE SADDLES SHALL HAVE RUBBER GASKET AND I.P. THREADS.
3. ALL POLY PIPE SERVICE LINES SHALL BE BEDDED IN SAND AND HAVE LOCATING WIRE INTO METER BOX.

* (OR APPROVED EQUAL)

1" METER SERVICE

N.T.S.
(REVISED 2013)

REV NO	REVISION DESCRIPTION	DATE	BY

Apex Engineering PLLC
2601 South 35th, Suite 200
Tacoma, Washington 98409-7479
(253) 473-4494 FAX: (253) 473-0599

TITLE: RAINIER VIEW WATER COMPANY
SILVER CREEK APARTMENTS
WATER MAIN EXTENSION
NOTES AND DETAILS

CLIENT: RAINIER VIEW WATER COMPANY
P.O. BOX 44427
TACOMA, WA. 98448-0427
ATTN: MR. BOB BLACKMAN (253)537-6634

DATE SEALED 02/24/2016

KIMBERLY ANN BAVAGE, STATE OF WASHINGTON, 37045, REGISTERED PROFESSIONAL ENGINEER

PROJECT MANAGER: KIM A BAVAGE, P.E.
DESIGN RB
DRAWN RB
CHECKED KAB
SEC 33 T 19 N R 4 E
FILE NO 32716WMAIN.DWG
DATE 11-09-15
SCALE AS NOTED

SHEET 4 OF 5
FILE NO 32716

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PARCEL NO.0489330002 PCPR# PERMIT NO.622512

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