ERRATA SHEET 1

THE CITY AND BOROUGH OF JUNEAU PUBLICATION August 2011 of the

STANDARD DETAILS

ERRATA DATE: October 26, 2015

The following item of the Standard Details is modified as herein indicated. All other items remain the same. Please make the following correction to your copy of the above mentioned Standard Details.

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Standard No.</th>
<th>Standard Name</th>
<th>Correction</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>304A</td>
<td>Type III Catch Basin</td>
<td>Delete in its entirety and replace with Standard 304A, dated August 2015.</td>
</tr>
<tr>
<td>2</td>
<td>407</td>
<td>Mainline Valve</td>
<td>Delete in its entirety and replace with Standard 407, dated August 12, 2015</td>
</tr>
<tr>
<td>3</td>
<td>419</td>
<td>Residential Customer Line</td>
<td>Delete in its entirety and replace with Standard 419, dated August 28, 2015</td>
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<td></td>
<td></td>
<td>Water Service Connection</td>
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</tbody>
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By: [Signature]
John Bohan, P.E.
Chief CIP Engineer

Date: 10/26/15

Total number of pages contained in Errata Sheet: 4
FRAME & GRATE

1" PVC PERMITTED DURING CONSTRUCTION PHASE. PLUGGED AND GROUTED PRIOR TO FINAL INSPECTION

CONCRETE SECTION

3 1/2" MIN

PIPE OUTSIDE DIAMETER PLUS 2"

16" MIN

BED WITH A MINIMUM OF 12"
NON-FROST SUSCEPTIBLE SAND
OR D-1. EXISTING NON-FROST
MATERIALS MAY BE USED IF COMPACTED
TO 95% OF MAXIMUM DENSITY
PER ASTM D-1557.

CATCH BASIN

NOTES
1. FOR USE WITH TWO INLET/OUTLET PIPES OF DIAMETER 12" OR SMALLER. FOR LARGER AND/OR MORE INLET/OUTLET PIPES OR IF CATCH BASIN IS DEEPER THAN 4" FROM FINISH GRADE TO SUMP, INSTALL A TYPE I OR TYPE II STORM DRAIN MANHOLE (SEE STANDARD 303).
2. ENTIRE KNOCKOUT IS TO BE REMOVED AND SEALED SHUT AROUND PIPE. ALL PIPES ARE TO EXTEND MIN 1" AND MAX 3" INTO CATCH BASIN.
3. GROUT INTERIOR AND EXTERIOR BETWEEN FRAME, SECTIONS, AND CATCH BASIN.
4. FRAME AND GRATE SHALL BE OF A TYPE THAT WILL NOT CREATE A HAZARD FOR BICYCLE TRAFFIC.
5. MINIMUM STEEL SHALL BE SPECIFIED BY ASTM C-476-88.
6. MINIMUM SUMP DEPTH SHALL BE 16".
7. ADJUSTING RING SHALL BE THE SAME SIZE AS THE CATCH BASIN.
8. THE AREA BETWEEN THE TOP OF THE CATCH BASIN AND THE FRAME SHALL BE FORMED AND FILLED WITH CONCRETE MEETING THE REQUIREMENTS OF CJS SPECIFICATION 03302 - CONCRETE STRUCTURES. NO BRICKS, WOOD OR OTHER MATERIALS PERMITTED FOR ADJUSTING GRADE.
9. ALL CATCH BASINS THAT EMPTY INTO AN OPEN DRAINAGE SHALL BE FITTED WITH AN OIL-WATER-DEBRIS SEPARATOR DEVICE AS DIRECTED BY THE ENGINEER.

CITY AND BOROUGH OF JUNEAU, ALASKA

TYPE III CATCH BASIN

SCALE: NTS

DATE: 12/6/96

DRAWN BY: DRW

CHECKED BY: STAFF

APPROVED BY: 8-28-15

REVISED: August 2015

STANDARD 304A
NOTES:
1. A VALVE IS REQUIRED FOR EVERY 500' OF STRAIGHT MAINLINE OR AS DIRECTED BY THE ENGINEER.
2. A MINIMUM OF 2 VALVES ARE REQUIRED AT ALL TEES IN A MAINLINE. A MINIMUM OF 3 VALVES ARE REQUIRED AT ALL 4-WAY CROSSES IN A MAINLINE. TEES AND CROSSES THAT FEED SERVICES AND FIRE HYDRANTS ARE PLACED AS DIRECTED BY THE ENGINEER.
3. MAINLINE VALVES REQUIRE THRUST BLOCKS AT THE DIRECTION OF THE ENGINEER.
4. IF WATER MAIN IS MORE THAN 6' DEEP, USE 4" DI CAST IRON SOIL PIPE WITH TOP SECTION EJW 8555-100 SLIDE VALVE BOX BOTTOM SECTION OR APPROVED EQUAL.
5. THIS DETAIL APPLIES TO ALL MAINLINE VALVES AND ALL WATER VALVES 4" IN DIAMETER OR GREATER.
6. VALVE BOXES TO BE RAISED DURING PAVING OPERATIONS A MINIMUM OF 3/4", MAXIMUM OF 6/8" BELOW FINISHED PAVEMENT. VALVE BOXES THAT DO NOT MEET GRADE SPECIFICATIONS SHALL BE SAWCUT, RAISED TO GRADE AND RESURFACED PER STANDARD DETAIL 126 - CONCRETE COLLAR.
7. VALVE BOXES WITHIN GRAVEL ROADWAYS ARE TO BE SET 6" TO 8" BELOW FINISHED GRADE.
8. NO MORE THAN 1 VALVE BOX PAYING RISER IS ALLOWED PER VALVE.
9. VALVE BOX COVER SHALL BE 5-1/4" DROP LID TYPE WITH 1" RAISED LETTERING (RECESSED FLUSH) AND 2 CLOSED PICKHOLES.

CITY AND BOROUGH OF JUNEAU, ALASKA

MAINLINE VALVE

SCALE: NTS
DATE: 9/8/98
DRAWN BY: TAD
CHECKED BY: STAFF
APPROVED BY: 8-28-15

REVISED: 8/12/2015
STANDARD 407
RESIDENTIAL CUSTOMER LINE WATER SERVICE CONNECTION

MATERIALS AND CONSTRUCTION BEYOND THE GATE VALVE SHALL CONFORM TO THE UNIFORM PLUMBING CODE.

PIECE SHALL CONFORM TO THE UNIFORM PLUMBING CODE (MINIMUM 3/4"

OR INSULATE PIPE WITH 2" THICK BY 24" WIDE BOARD OF CLOSED CELL INSULATION AS APPROVED BY THE ENGINEER.

PAVEMENT UP SHALL CONFORM WITH STANDARD 125

- Drill 3/4" hole through curb box
- Hang between 12" and 16" thaw wire inside curb box

THAW WIRE INSTALLATION DETAIL

NOTES:
1. BONDING JUMPER MUST MATCH ELECTRICAL COLD WATER GROUND WIRE. (EXAMPLE: NO. 4 WIRE FOR UP TO 200 AMP SERVICE.) BONDING JUMPER CLAMP MUST BE COMPATIBLE WITH COPPER PIPE.
2. ALL JOINTS OR VALVES ON SERVICE SIDE OF GATE VALVE MUST BE MECHANICAL FITTINGS.
3. ALL COMMERCIAL FACILITIES AND RESIDENTIAL BUILDINGS WITH TWO OR MORE UNITS MUST INSTALL A WATER METER (OBTAINABLE FROM CBW WATER UTILITY). SEE STANDARD R0.2.
4. ALL UNDERGROUND COPPER TUBE CONNECTIONS (IF ANY) SHALL BE EITHER MUELLER OR FORD FLARED UNIONS. FORD GRIP JOINT COMPRESSION FITTINGS OR APPROVED EQUAL. NIBCO BRAND IS NOT AN APPROVED EQUAL.
5. MAINTAIN A MINIMUM OF 22"x24" UNOBSERVED CLEARANCE ABOVE GATE VALVE FOR FUTURE METER.
6. BURIAL DEPTHS GREATER THAN 5" MAY BE REQUIRED BY THE ENGINEER.
7. CURB BOX MUST BE RESET SO THAT IT IS PLUMB, AND THAW WIRE SHALL BE WOUND AROUND OUTSIDE OF CURB BOX.
8. UNDERGROUND SERVICE LINE SHALL NOT BE WITHIN 10' OF ANY OTHER SERVICE LINE.
9. WRAP BOTTOM OF CURB BOX WITH FABRIC OR PLASTIC PRIOR TO BACKFILLING TO KEEP MATERIAL FROM INFILTRATING THE BOX.
ERRATA SHEET 2

THE CITY AND BOROUGH OF JUNEAU PUBLICATION August 2011 of the

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ERRATA DATE:  October 28, 2015

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<tr>
<td>1</td>
<td>105</td>
<td>Driveway Curb Cut</td>
<td>Delete in its entirety and replace with Standard 105, dated September 2015.</td>
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</table>

By:  

John Bohan, P.E.
Chief CIP Engineer

Date: 10/28/15

Total number of pages contained in Errata Sheet:  2
NOTES

1. "A" EQUALS WIDTH OF DRIVEWAY AT PROPERTY LINE. MAXIMUM WIDTH SHALL BE 24' FOR SINGLE FAMILY RESIDENCES AND 32' FOR COMMERCIAL FACILITIES OR COMBINED DRIVEWAYS. DRIVEWAYS MAY NOT BE CONSTRUCTED WITHIN 6' OF THE PROPERTY LINE OR 40' FROM THE EDGE OF PAVEMENT AT INTERSECTIONS.

2. ALL CONCRETE SHALL MEET THE REQUIREMENTS OF STANDARD SPECIFICATION 03303 — SIDEWALK CURB AND GUTTER. THE CURING COMPOUND CONCRETE INTERNATIONAL CORPORATION ASHFORD FORMULA OR APPROVED EQUAL SHALL BE APPLIED PER THE MANUFACTURER'S RECOMMENDATIONS.

3. COLD JOINT REQUIRED BETWEEN SIDEWALK AND DRIVEWAY AND BETWEEN SIDEWALK AND CURB.

4. ALL CONCRETE WITHIN THE DRIVEWAY CURB CUT SHALL BE A MINIMUM 6" THICK AND SHALL BE Poured ON A 4" BASE OF D-1 COMPACTED TO 95% OF ITS MAXIMUM DENSITY. FOR ASPHALT SIDEWALKS, ALL ASPHALT WITHIN THE DRIVEWAY CURB CUT SHALL BE A MINIMUM OF 2.5" THICK.

5. 6" x 6" #10 GAUGE WIRE MESH REINFORCEMENT INSTALLED AT MID-DEPTH OR #4 REBAR SPACED APPROPRIATELY MAY BE SUBSTITUTED FOR FIBER MESH REINFORCED CONCRETE. ALL STEEL MUST HAVE A MINIMUM OF 2" OF CONCRETE COVER.

6. RELIEF JOINT REQUIRED IF "A" IS GREATER THAN 15".

CITY AND BOROUGH OF JUNEAU, ALASKA

DRIVEWAY CURB CUT

SCALE: NTS
DATE: 5/5/99
DRAWN BY: TAD
CHECKED BY: JB/STAFF
APPROVED BY: 
REVISED: Sept 2015
STANDARD 105