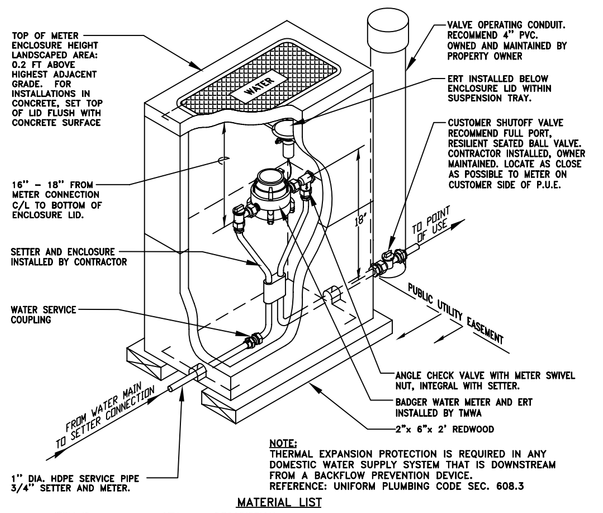



NOTE:
THERMAL EXPANSION PROTECTION IS REQUIRED IN ANY DOMESTIC WATER SUPPLY SYSTEM THAT IS DOWNSTREAM FROM A BACKFLOW PREVENTION DEVICE. REFERENCE: UNIFORM PLUMBING CODE SEC. 608.3

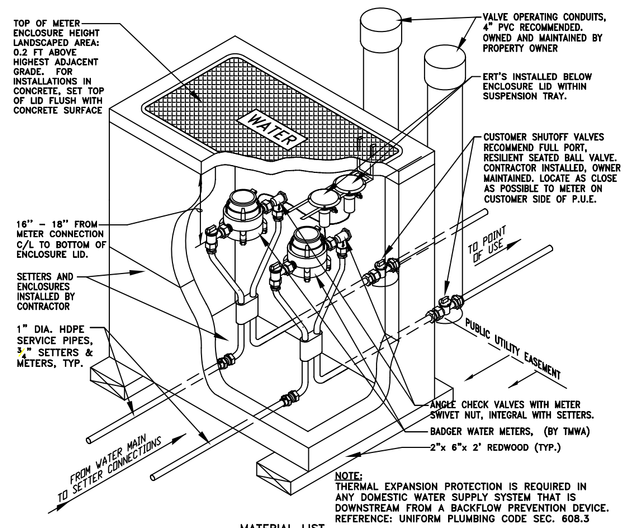
MATERIAL LIST

| ITEM ID | QTY. | DESCRIPTION |
|---|---|---|
| MS-CHK-0.75 | 1.0 | SETTER WATER METER, WITH ANGLE CHECK VALVE, NEW 3/4" MIP ENDS |
| WSC-1.00x0.75-CTSxFIP | 1.0 | COUPLING SERVICE 1" CTS COMPRESSION X 3/4" FIP |
| SSL-1.00 | 1.0 | LINER RIGID STAINLESS STEEL FOR 1" CTS PLASTIC PIPE |
| GSKT-0.75 | 2.0 | GASKET-3/4" FOR WATER METER |
| WM-DISC-0.75 | 1.0 | 3/4" DISC TYPE BADGER WATER METER - SUPPLIED & INSTALLED BY TMWA |
| ERT-TRAY | 1.0 | ERT SUSPENSION TRAY - SUPPLIED & INSTALLED BY TMWA |
| ERT | 1.0 | BADGER ERT HOLDING EMF |
| ENCL-12x22-NT * | 1.0 | ENCLOSURE NON-TRAFFIC 12 X 22 WATER METERS |
| ENCL-12x22-LID-NT * | 1.0 | COVER NON-TRAFFIC 12 X 22 |
| ENCL-12x22-EXT-NT * | 1.0 | EXTENSION BOX NON-TRAFFIC 12 X 22 |
| INSL-BLKT-4x4 | 1.0 | BLANKET INSULATION 4' X 4' FOR WATER METERS |
| ROWD-BRD-2x6 | 2.0 | BOARD - REDWOOD 2" X 6" X 2' |
| IDLR-0.75 | 1.0 | IDLER WATER METER 3/4" SETTER |

* FOR DRIVEWAY OR TRAFFIC AREAS USE 13x24 ENCLOSURE APPROVED FOR TRAFFIC RATED H/20 LOADING. SEE DETAIL 10K-43.

1" SINGLE SERVICE W/ 3/4" SETTER METER, E.R.T. & ANGLE CHECK VALVE

DETAIL 10K-5




NOTE:
THERMAL EXPANSION PROTECTION IS REQUIRED IN ANY DOMESTIC WATER SUPPLY SYSTEM THAT IS DOWNSTREAM FROM A BACKFLOW PREVENTION DEVICE. REFERENCE: UNIFORM PLUMBING CODE SEC. 608.3

MATERIAL LIST

| ITEM ID | QTY. | DESCRIPTION |
|---|---|---|
| MS-CHK-0.75 | 2.0 | SETTER WATER METER, WITH ANGLE CHECK VALVE, NEW 3/4" MIP ENDS |
| WSC-1.00x0.75-CTSxFIP | 2.0 | COUPLING SERVICE 1" CTS COMPRESSION X 3/4" FIP |
| SSL-1.00 | 2.0 | LINER RIGID STAINLESS STEEL FOR 1" CTS PLASTIC PIPE |
| GSKT-0.75 | 4.0 | GASKET-3/4" FOR WATER METER |
| WM-DISC-0.75 | 2.0 | 3/4" DISC TYPE BADGER WATER METER - SUPPLIED & INSTALLED BY TMWA |
| ERT-TRAY | 1.0 | ERT SUSPENSION TRAY - SUPPLIED & INSTALLED BY TMWA |
| ERT | 2.0 | BADGER ERT HOLDING EMF |
| ENCL-17x30-NT * | 1.0 | ENCLOSURE NON-TRAFFIC 17 X 30 WATER METERS |
| ENCL-17x30-LID-NT * | 1.0 | COVER NON-TRAFFIC 17 X 30 |
| ENCL-17x30-EXT-NT * | 1.0 | EXTENSION BOX NON-TRAFFIC 17 X 30 |
| INSL-BLKT-4x4 | 1.0 | BLANKET INSULATION 4' X 4' FOR WATER METERS |
| ROWD-BRD-2x6 | 2.0 | BOARD - REDWOOD 2" X 6" X 2' |
| IDLR-0.75 | 2.0 | IDLER WATER METER 3/4" SETTER |

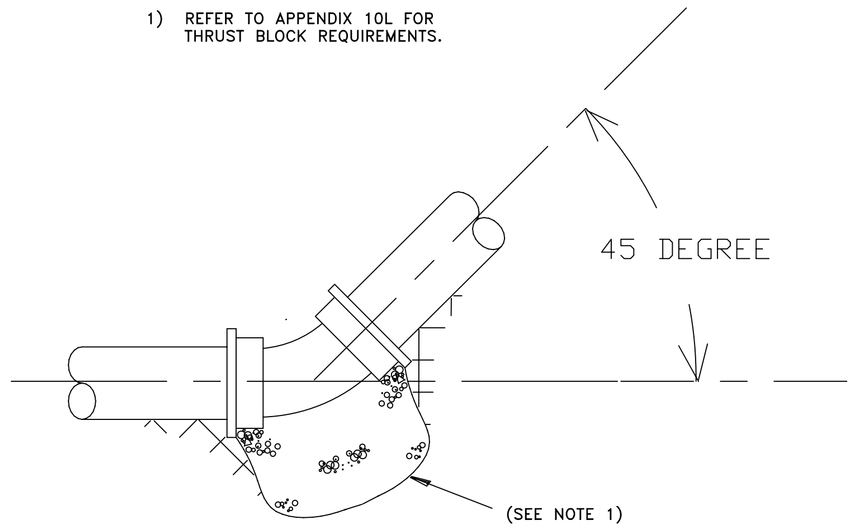
* FOR DRIVEWAY OR TRAFFIC AREAS USE 17x30 ENCLOSURE APPROVED FOR TRAFFIC RATED H/20 LOADING. SEE DETAIL 10K-45.

1" DUAL SERVICE W/ 3/4" SETTERS, METERS, E.R.T.'S, & ANGLE CHECK VALVES

DETAIL 10K-9

NOTES:

1) REFER TO APPENDIX 10L FOR THRUST BLOCK REQUIREMENTS.




MATERIAL LIST

| ITEM ID | QTY | DESCRIPTION |
|---|---|---|
| 55-1678 | 1.0 | ELBOW DUCTILE IRON 45 DEGREE 6" PUSH-ON |
| 95-0125 | 0.2 | CONCRETE BULK |

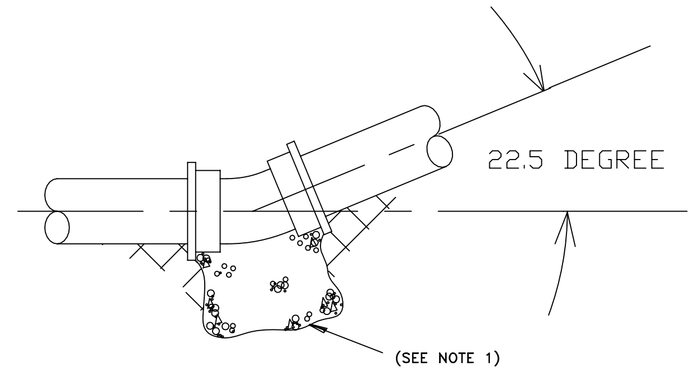
HORIZONTAL ELBOW INSTALLATIONS

(6" IN-LINE ELBOW 45°)

DETAIL G-10

NOTES:

1) REFER TO APPENDIX 10L FOR THRUST BLOCK REQUIREMENTS.



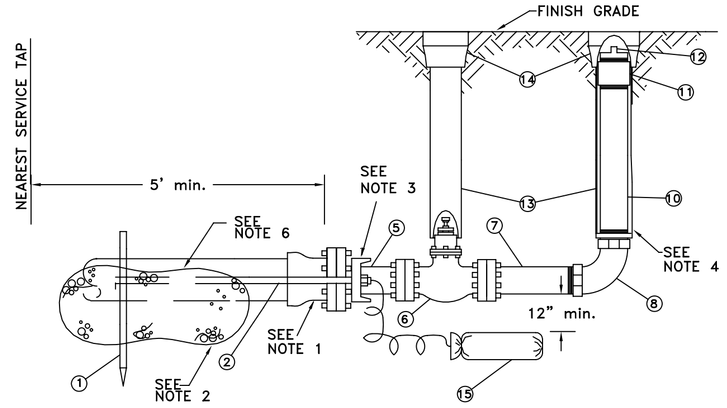

MATERIAL LIST

| ITEM ID | QTY | DESCRIPTION |
|---|---|---|
| 55-1644 | 1.0 | ELBOW DUCTILE IRON 22-1/2 DEGREE 6" PUSH-ON |
| 95-0125 | 0.2 | CONCRETE BULK |

HORIZONTAL ELBOW INSTALLATIONS

(6" ELBOW 22.5°)

DETAIL 10G-6







NOTES:

1) FOR 6" MAIN USE:

| STK # | QTY | DESCRIPTION |
|---|---|---|
| 55-0092 | 1.0 | ADAPTER 6" PUSH-ON X FLANGE |
| 55-1802 | 1.0 | FLANGE GALVANIZED 6" W/4" SCREW TAP |
| 47-0055 | 1.0 | GASKET FULL FACE 6" |

FOR 8" MAIN USE:

| | | |
|---|---|---|
| 55-0094 | 1.0 | ADAPTER 8" PUSH-ON X FLANGE |
| 55-1804 | 1.0 | FLANGE GALVANIZED 8" W/4" SCREW TAP |
| 47-0060 | 1.0 | GASKET FULL FACE 8" |

2) AMOUNT OF CONCRETE TO BE POURED IN THRUST BLOCK WILL BE FIELD DETERMINED BY SIZE OF PIPE AND SOIL CONDITIONS, WITH A MINIMUM OF 1/2 CU. YD. OF CONCRETE ON ANY THRUST BLOCK. SUFFICIENT CONCRETE TO BE POURED TO WITHSTAND THRUST FROM PRESSURE BUILD-UP IN PIPE. APPLICABLE THROUGH 12" ONLY. THRUST BLOCKS FOR LARGER SIZES TO BE SPECIFIED BY ENGINEER.

3) REQUIRES PRESSURE PLATE FABRICATED FROM 6" CHANNEL IRON. APPLICABLE THROUGH 12" ONLY. PRESSURE PLATE FOR LARGER SIZES TO BE SPECIFIED BY ENGINEER.

4) IF MAIN IS AT EXTRA DEPTH, REQUEST ADDITIONAL 4" NIPPLES.

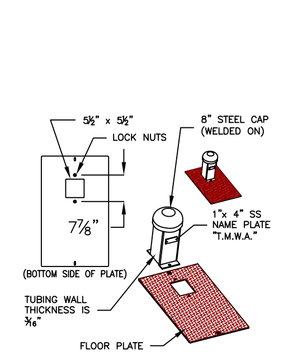
5) ALL EXPOSED METAL MUST BE COATED WITH MASTIC.

6) CONCRETE SHOULD REMAIN BELOW TOP OF PIPE.

DISTRIBUTION FLUSH ASSEMBLY

(6" & 8" ASSEMBLY)

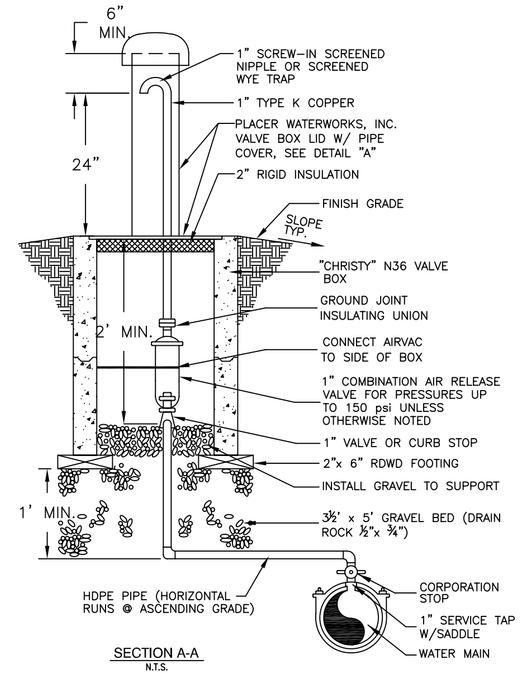
DETAIL 10E-2



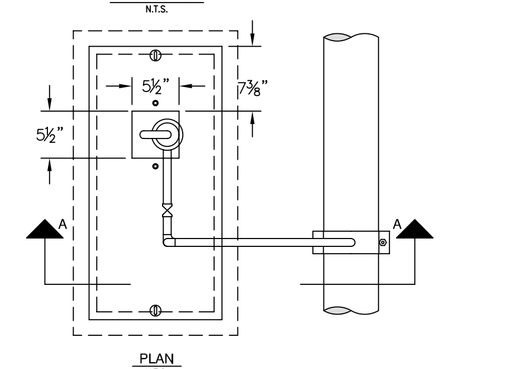

PLACER WATER WORKS, INC.
9522 ANTELOPE OAKS COURT
ROSEVILLE, CA 95747
(916) 773-2959

1. ALL METAL CLEANED WITH DEV PREP 88 BY DEVOE CAT. #78870000.
2. DEVRAN 224HS CATALYZED POLYAMIDE EPOXY PRIMER (HUNTER GREEN) APPLIED 2 TO 3 MILS THICK. (SOLIDS BY VOLUME 75%).
3. DEVTANE 379 CATALYZED ALIPHATIC URETHANE FINISH TOP COAT. (HUNTER GREEN) APPLIED 2 TO 3 MILS THICK. (63% SOLIDS BY VOLUME).
4. LOCK NUTS WELDED TO THE UNDER SIDE OF COVER.
5. VENT TUBE IS INDIVIDUALLY BOXED AND COMES COMPLETE WITH FASTENING BOLTS AND WASHERS.
6. STEEL COVER IS INDIVIDUALLY PACKAGED COMPLETE WITH BOLT DOWN FASTENERS.

DETAIL "A"
N.T.S.




SECTION A-A
N.T.S.



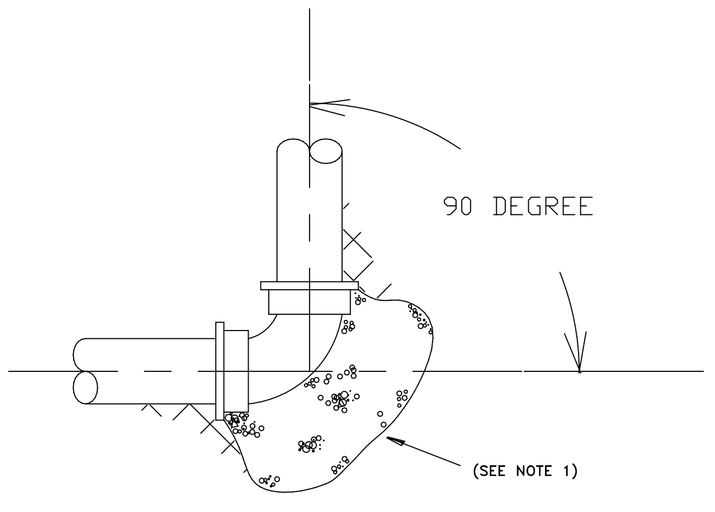

PLAN
N.T.S.

1" AIR/VAC ASSEMBLY W/COVER

DETAIL ARV-1

NOTES:

1) REFER TO APPENDIX 10L FOR THRUST BLOCK REQUIREMENTS.




MATERIAL LIST

| ITEM ID | QTY | DESCRIPTION |
|---|---|---|
| 55-1749 | 1.0 | ELBOW DUCTILE IRON 90 DEGREE 6" PUSH-ON |
| 95-0125 | 0.2 | CONCRETE BULK |

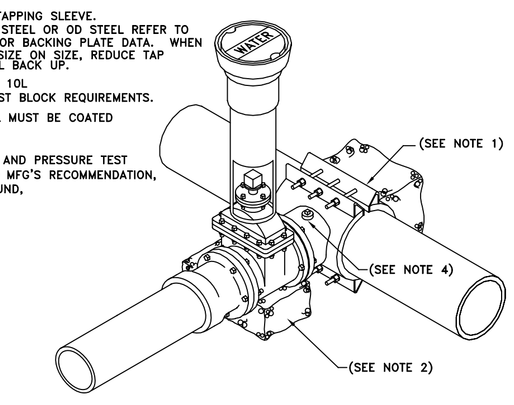
HORIZONTAL ELBOW INSTALLATIONS

(6" ELBOW 90°)

DETAIL 10G-14

NOTES:

1) REQUIRES ONE (1) TAPPING SLEEVE. WHEN TAPPING OFF STEEL OR OD STEEL REFER TO APPENDIX 10L-14 FOR BACKING PLATE DATA. WHEN TAPPING OD STEEL SIZE ON SIZE, REDUCE TAP ONE SIZE THEN BELL BACK UP.
2) REFER TO APPENDIX 10L FOR PAD AND THRUST BLOCK REQUIREMENTS.
3) ALL EXPOSED METAL MUST BE COATED WITH MASTIC.
4) REMOVE TEST PLUG AND PRESSURE TEST TAPPING SLEEVE TO MFG'S RECOMMENDATION, APPLY PIPE COMPOUND, REINSERT PLUG.




MATERIAL LIST

| ITEM ID | QTY | DESCRIPTION |
|---|---|---|
| 53-0650 | 1.0 | VALVE GATE FLANGE X FLANGE 6" W/OPERATING NUT |
| 55-0092 | 1.0 | ADAPTER 6" PUSH-ON X FLANGE |
| 47-0390 | 16.0 | BOLT MACHINE BLK HEX HEAD W/HEX NUT 3/4" X 3 1/4" |
| ~~47-0065~~ | ~~2.0~~ | ~~GASKET FULL FACE 6"~~ |
| 41-3000 | 3.0 | PIPE PVC, 6" SEWER 6.275 O.D. SDR 35 FOR VALVES |
| 43-0010 | 1.0 | BOX 6" VALVE CAST IRON |
| 53-0085 | 1.0 | COVER BOX VALVE WATER 6" (NEW STYLE) |
| 95-0125 | 0.5 | CONCRETE BULK |
| 57-0040 | 0.2 | MASTIC (1 GALLON CAN) |

SPECIAL NOTE:
TAPPING SLEEVE ON TRANSITE MUST HAVE FULL CIRCUMFERENCE GASKET THROUGHOUT SLEEVE LENGTH. FIELD MEASURE PIPE O.D. BEFORE ORDERING.

DISTRIBUTION TAP INSTALLATIONS

(STANDARD 6" TAP)

DETAIL 10D-3

XYZ ENGINEERING
ADDRESS/PHONE
NUMBER/WETSTAMP

| FOR TMWA USE ONLY NEW BUSINESS WATER | | | |
|---|---|---|---|
| WO# | | Map # | |
| New Main | | | |
| Date Installed: | | Depth: | |
| Pressure Test Date: | | | |
| PSI | Hours Tested: | | |
| Inspector: | | | |
| Contractor: | | | |
| Feet Laid | Size | Type | Main/Svc |
| | | | |
| | | | |
| | | | |
| | | | |
| Retired/ Abandoned/Removed | | | |
| Feet Ret. | Size | Type | Main/Svc |
| | | | |
| | | | |
| | | | |
| # of Meter boxes Inst./Size: | | | |
| | | | |
| # of Setters Inst./Size: | | | |
| | | | |

WORK ORDER NO. 05-1871
DESIGNED LCM
DRAWN LCM
DATE 12/7/05
CHECKED -
SUBMITTED 12/7/05
RECOMMENDED -
APPROVED -

TRUCKEE MEADOWS WATER AUTHORITY
1155 CORPORATE BLVD / PO BOX 30013
RENO, NEVADA 89502-3013
PH 775-834-8000 / FX 775-834-8003

# DEMOS COURT - REVISION TO UNIVERSITY HEIGHTS - UNIT 2, PHASE 5
## 12 UNITS
## SMITH DEVELOPMENT, LLC

SHEET NUMBER
W2
2 OF 2