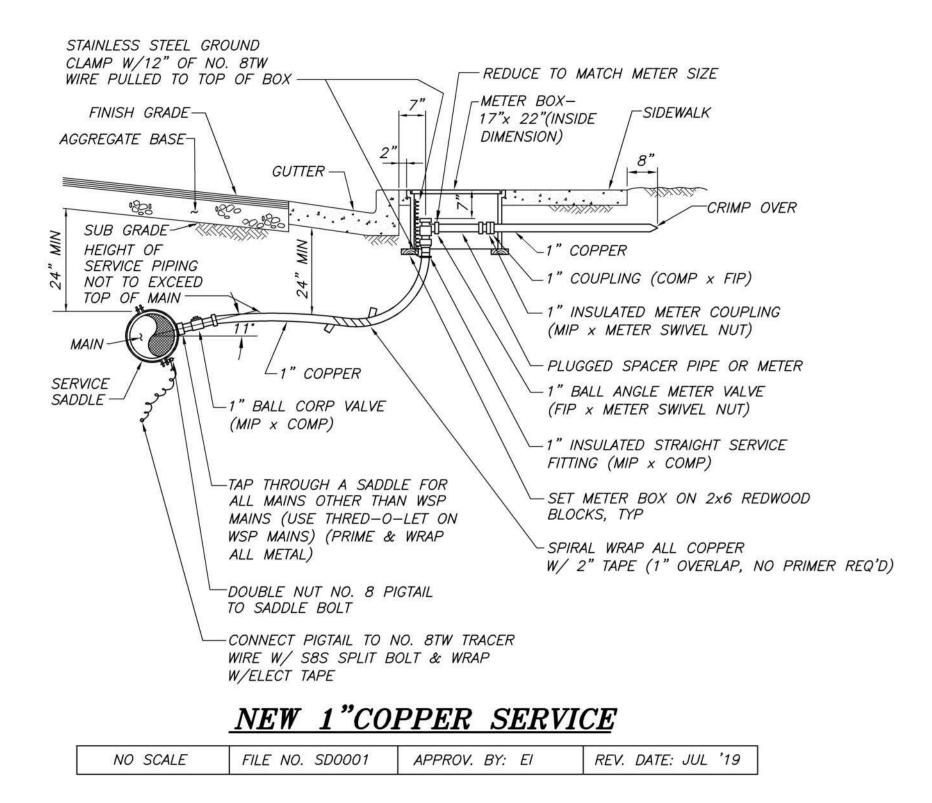
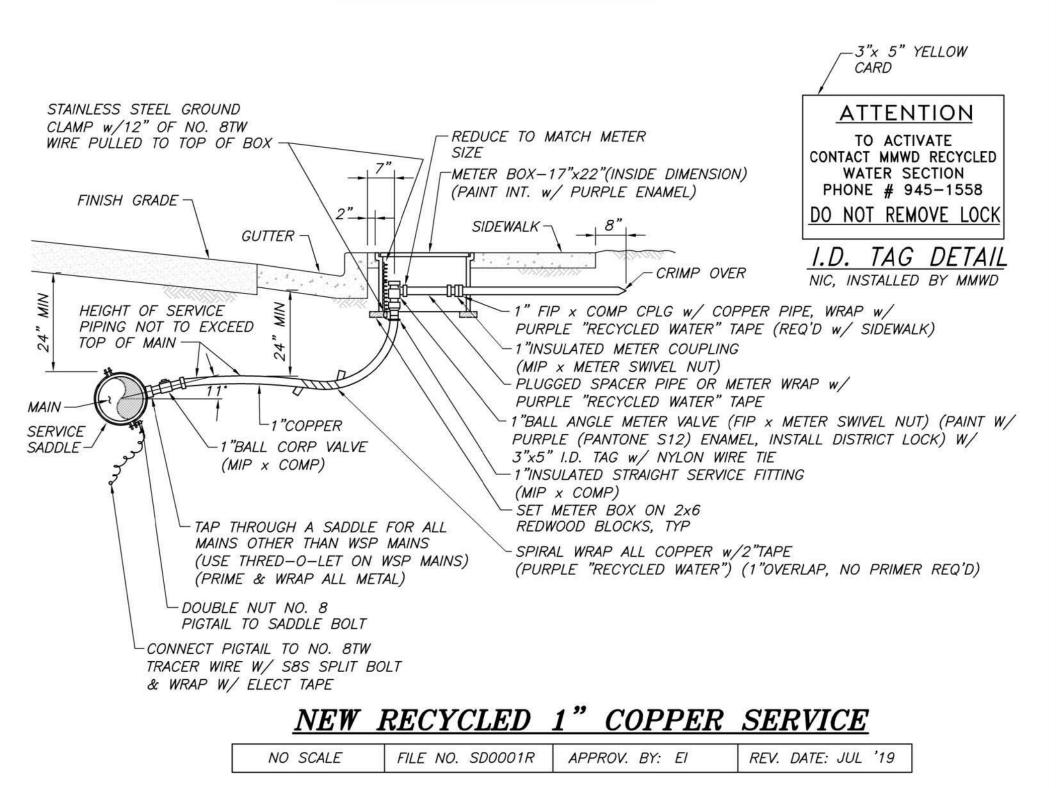


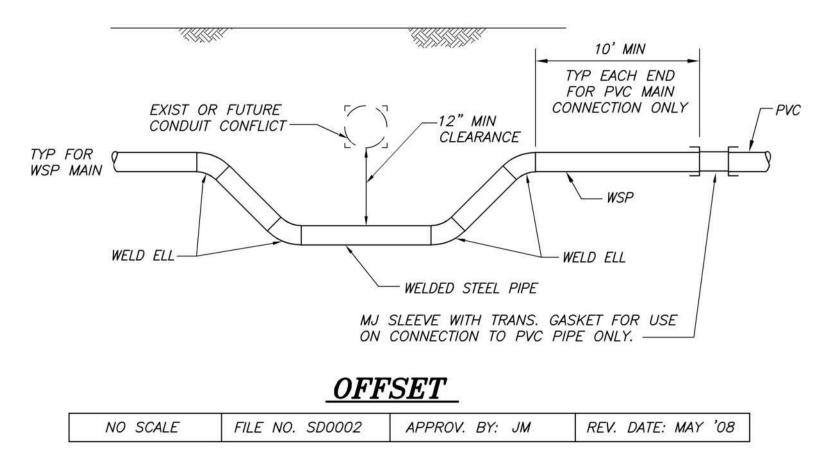
- Standard Details
- SD0001 New 1" Copper Service
- SD0001R New Recycled 1" Copper Service
- SD0002 Offset
- SD0003 Hydrant
- SD0004 Service Pole
- SD0005 4" Service Manifold
- SD0006 New or Renewed 1-1/2" and 2" Copper Service WSP or PVC Main
- SD0006R New or Renewed 1-1/2" and 2" Copper Service WSP or PVC Main
- SD0007 2" Blowoff
- SD0007R 2" Blowoff for Recycled Water
- SD0008 Pipeline Tracer Wire Installation
- SD0009 Test Station with Magnesium Anode
- SD0010 Test Station
- SD0011 Meter Insulation 1-1/2" & 2"
- SD0012 Pipeline Insulation and Bonding Jumper Details
- SD0013 Adjustable Pipe Support
- SD0014 Joint Harness
- SD0015 Survey Monument
- SD0017 Joint Blocking
- SD0018 Welded Outlet
- SD0019 Cased Crossing
- SD0021 Renewed 1" Copper Service
- SD0022 Transferring a 1" thru 2" "Long" Copper Service
- SD0023 Transferring a 1" "Short" Copper Service
- SD0024 Fireline Connection-DELETED
- SD0025 Mortar Lined & Tape Coated 4" to 36" Steel Pipe
- SD0026 Continuity Jumper Wire
- SD0027 3/4" & 1" Meter Insulation Detail
- SD0028 Wood Bulkhead Wall
- SD0029 Fireline, New and Renew
- SD0030 Level Transmitter Enclosure Mounting Plate Cover
- SD0031 Level Transmitter Enclosure
- SD0032 Level Transmitter Assembly Piping
- SD0033 Thermowell Assembly
- SD0034 Level Transmitter Assembly
- SD0035 Typical Conduit Stub Up
- SD0036 Steel Butt Strap
- SD0037 2" Domestic Meter w/ Copper Pipe
- SD0038 Fireline, Insulation Retrofit
- SD0039 Erosion Control Board
- SD0040 Impressed Current Horizontal Ground Bed
- SD0041 Deep Well Ground Bed
- SD0042 Typical Air/Vacuum Release Valve
- SD0044 Typical Air/Vacuum Release Valve
- SD0045 Wharf Hydrant Drain

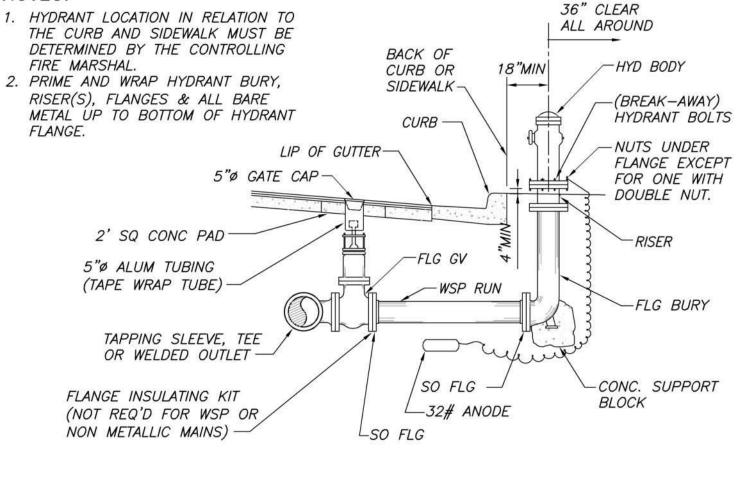
SD0046 - Shallow Well Ground Bed SD0047 - Alternate Conduit Stub SD0048 - Air / Vacuum Release Valve Assembly SD0049 - 3" Turbo Meter SD0050 - 3" Compound Meter with By-Pass SD0051 - Bullhead SD0052 - 24" Manhole / Drain SD0053 - 24" Drain SD0054 - 2" Bullhead SD0055 - 4" Compound Meter w/ Bypass SD0056 - 6" Fireline Water Meter SD0057 - Emergency Pumping Connection w/ Curb & Gutter SD0058 - Hydrant Off Improved Area SD0059 - Emergency Pumping Connection w/out Curb & Gutter SD0060 - Joint Restraint Assembly SD0061 - Concrete Anchor Blocks 6" & 8" Connection SD0062 - Concrete Anchor Blocks 12" & 14" Connection SD0063 - Bollard SD0064 - Rectifier Anode Junction Box Installation SD0066 - Fire Flow Project Sign (8'x4') SD0067 - 4" Tide Flex Check Valve SD0068 - Project Sign (4' x 2' No Board Member Names) SD0069 - Temporary Diversion / Sediment Dams & Culverts SD0070 - Temperature Transmitter SD0071 - Air Relief Valve SD0072 - Pressure Relief Valve SD0073 - Water Sampling Station SD0074 - Insulating Details (DELETED) SD0075 - Pressure Transmitter Assembly SD0076 - Pressure Transmitter SD0077 - Concrete Blocking(DELETED) SD0078 - 2" Irrigation Meter SD0079 - Fireline Transfer Connection(DELETED) SD0080 - Insulating Details w/ Harness SD0081 - Typical Anode Trench & Type Splice Box Detail SD0082 - Rectifier Installation SD0083 - Fireflow Project Sign Detail (4'-2" x 2'-8") SD0084 - ID Tag Detail SD0085 - Project Sign Detail (4'-2" x 2'-8") SD0087 - Rehab Project Sign (4'-2" x 2'-8") SD0088 - Meter Box with Magnesium Anode SD0089 - Retrofit WSP Fireline Connection to Above Ground Backflow SD0090 - Fireline, Inspection and Insulation Retrofit SD0091 - 4" Turbine Meter SD0092 - Backflow Assembly Standard Installation Diagram SD0093 - Fireline, Inspection and Insulation Retrofit SD0094 - 2" Fireline Connection SD0095 - Aluminum Tubing Valve Cap Rise SD0096 - Pothole Details of Anode Installation





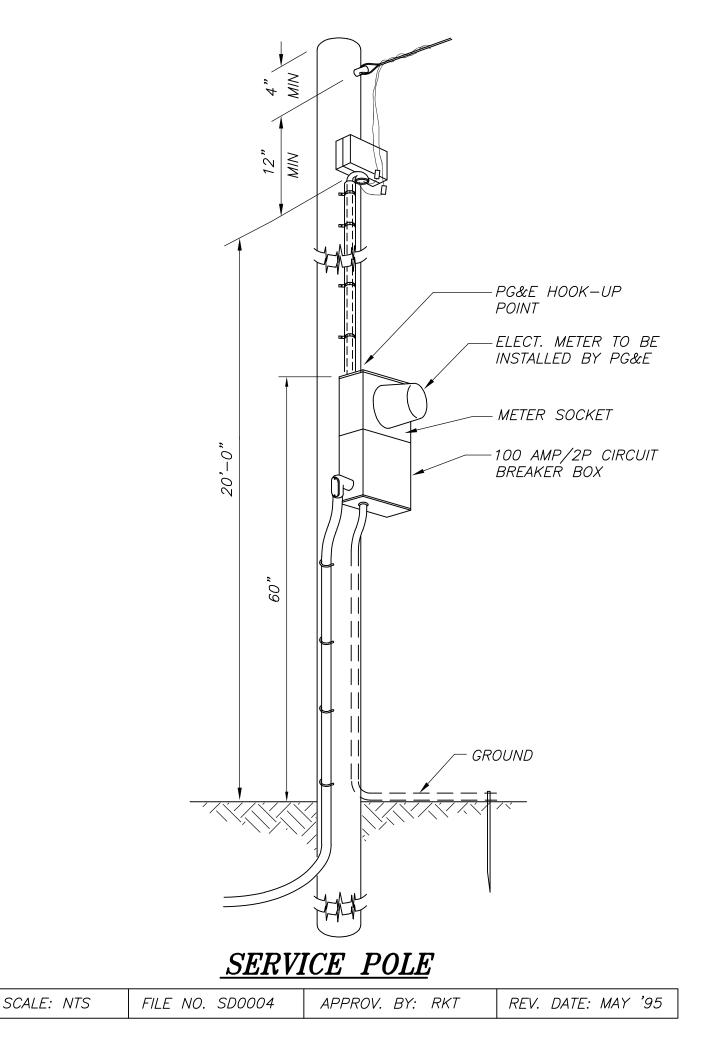
- 1. AN OFFSET IS REQUIRED WHEN CROSSING A UTILITY WILL RESULT IN THE WATER LINE HAVING A COVER GREATER THAN 5'-0".
- 2. PRIME AND WRAP ALL BARE METAL.

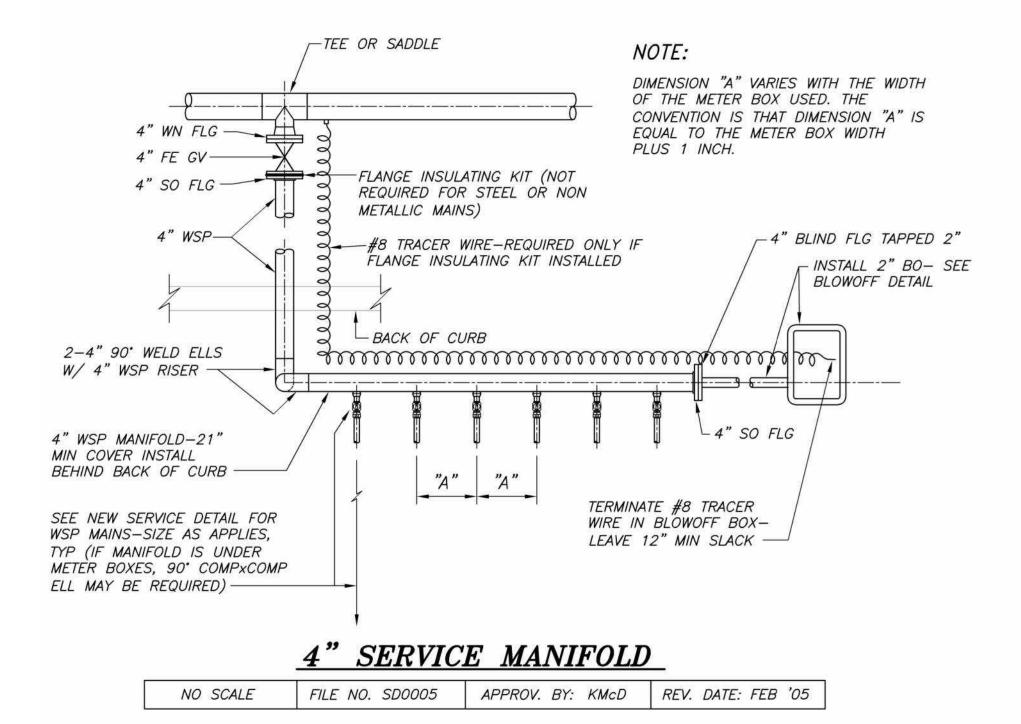


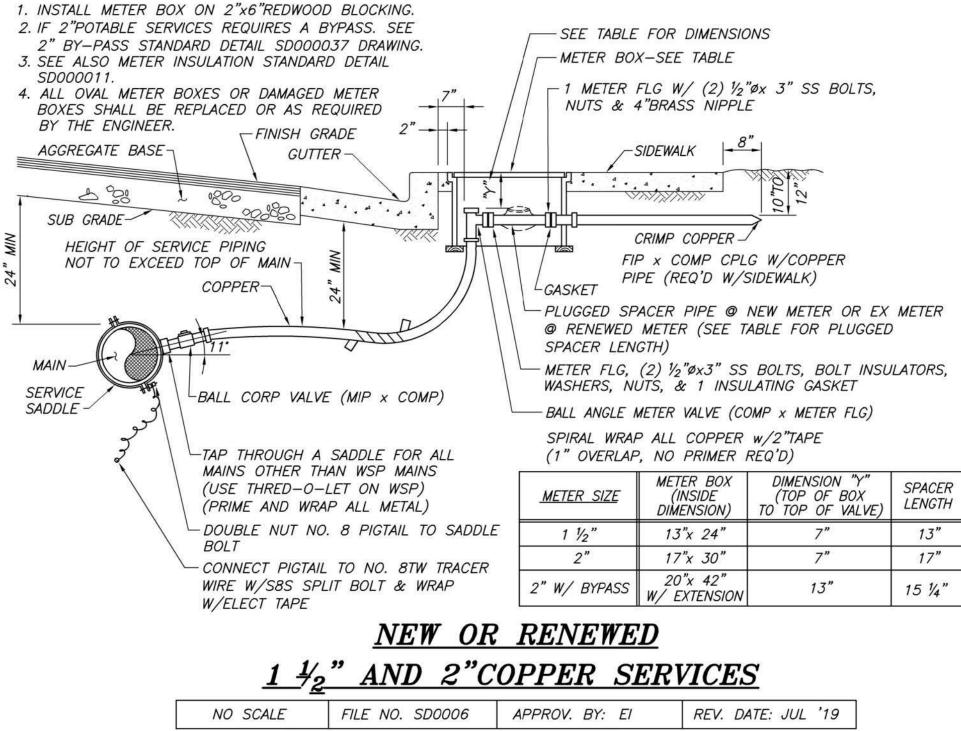


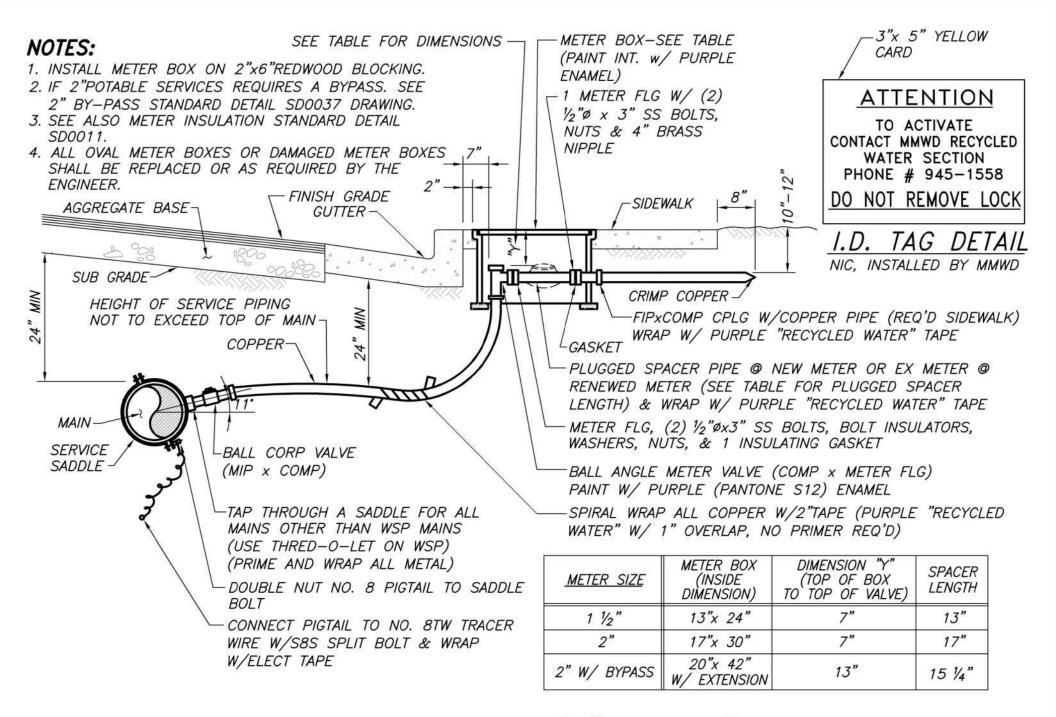
<u>HYDRANT</u>

| NO SCALE | FILE NO. SD0003 | APPROV. BY: KMcD | REV. DATE: OCT '12 |
|----------|-----------------|------------------|--------------------|
|----------|-----------------|------------------|--------------------|



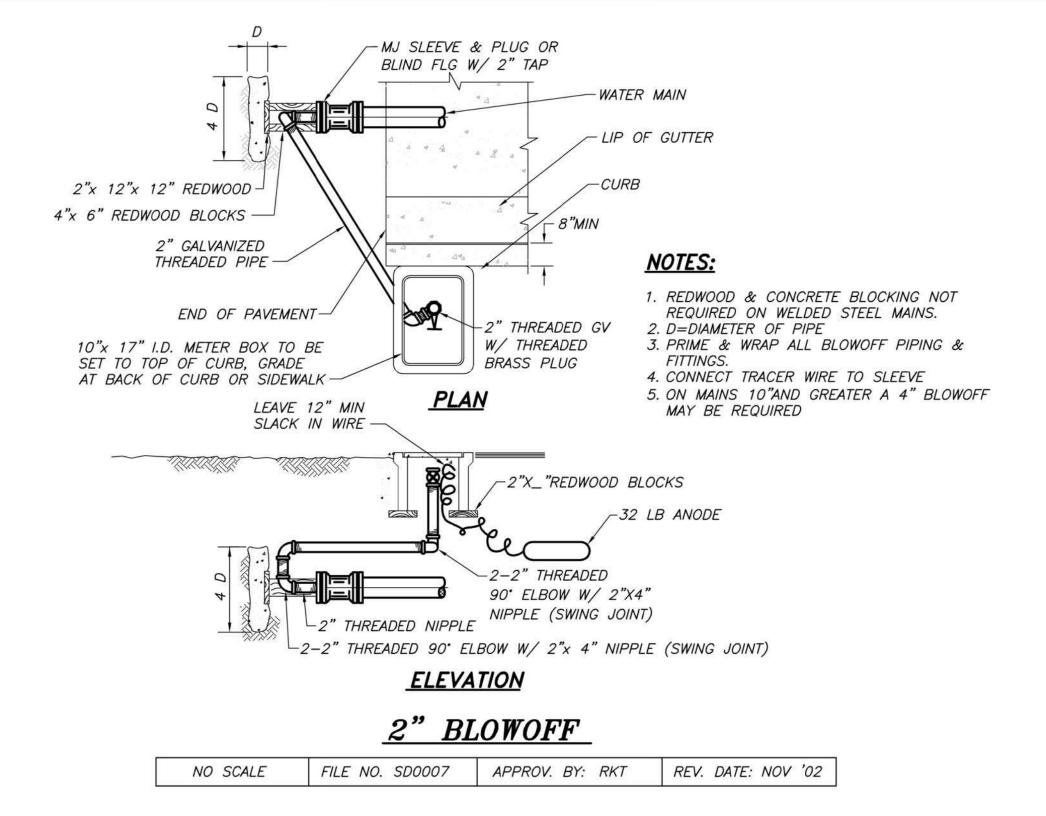


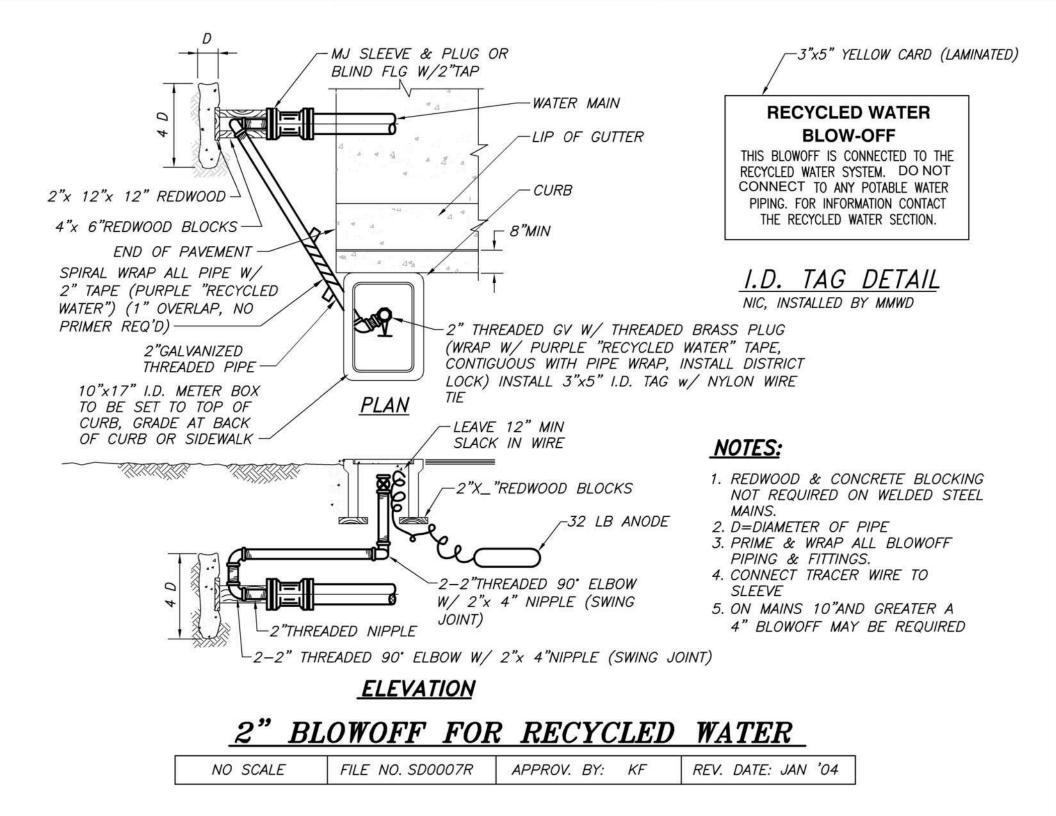


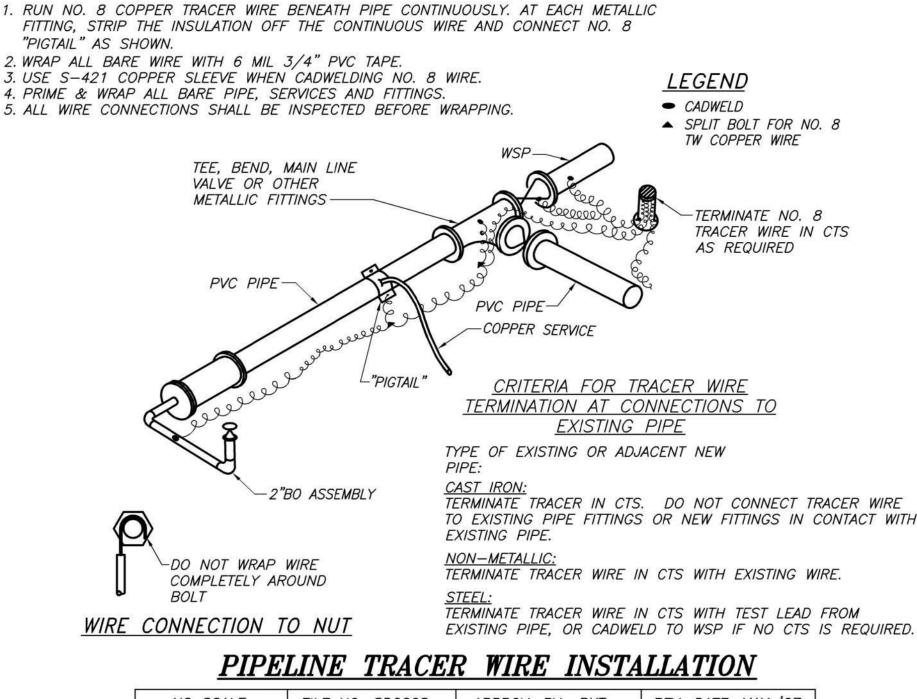


NEW OR RENEWED RECYCLED 1 4/2" AND 2"COPPER SERVICES

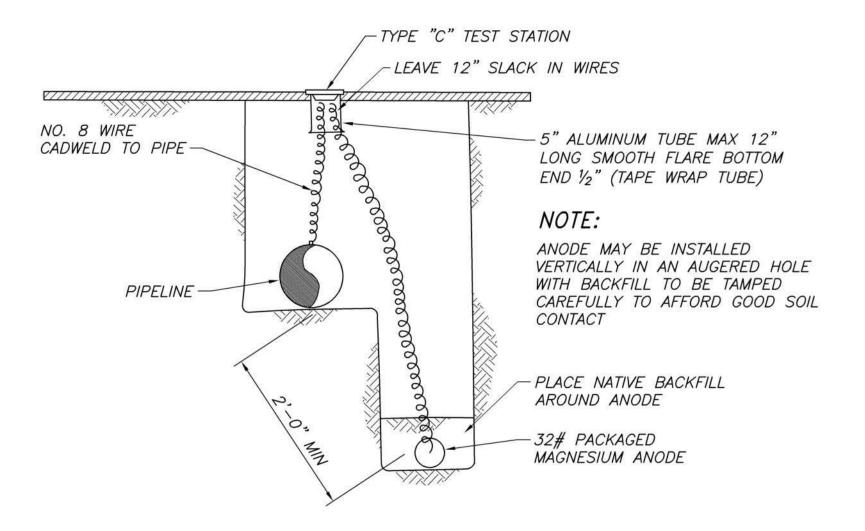
| NO SCALE | FILE NO. SD0006R | APPROV. BY: EI | REV. DATE: JUL '19 |
|----------|------------------|----------------|--------------------|
|----------|------------------|----------------|--------------------|





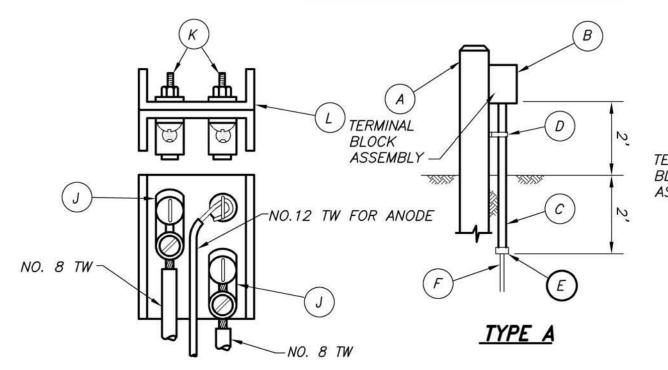


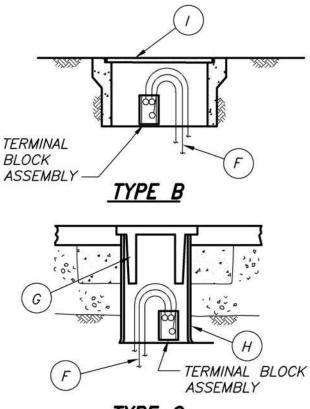
| NO SCALE | FILE NO. SDOOO8 | APPROV. BY: RKT | REV. DATE: MAY '07 |
|----------|-----------------|-----------------|--------------------|
| | | | |



TEST STATION WITH MAGNESIUM ANODE

| NO SCALE FILE NO. SD0009 | APPROV. BY: RKT | REV. DATE: MAY '95 |
|--------------------------|-----------------|--------------------|
|--------------------------|-----------------|--------------------|





<u>TYPE C</u>

- 1. LEAVE SLACK IN TEST LEADS ADJACENT TO PIPE TO PREVENT DAMAGE BY BACKFILLING. LEAVE 12" OF SLACK IN TEST LEADS AT TEST STATIONS FOR TEST PURPOSES. HORIZ. RUNS ARE TO HAVE 30" MIN. COVER TO TEST STATION. TEST LEADS MAY BE RUN IN PIPE DITCH.
- 2. COLOR CODE TEST LEADS AT TEST STATION, WHEN INDICATED.
- 3. AFTER ELECTRICAL TEST OF INSULATING ADAPTORS, ALL PARTS OF VALVES, FLANGED INSULATING ASSEMBLIES, BONDS AND TEST LEADS, AND ALL OTHER BARE METAL & PIPE, SHALL BE PRIMED AND WRAPPED.
- 4. ITEM "B", DRILL HOLE IN BACK WALL AND MOUNT WITH STEEL ROUND". HEAD WOOD SCREW, NO. 10x1
- 5. WIRE TERMINATION TO BE MADE BY MMWD CORROSION DEPT.

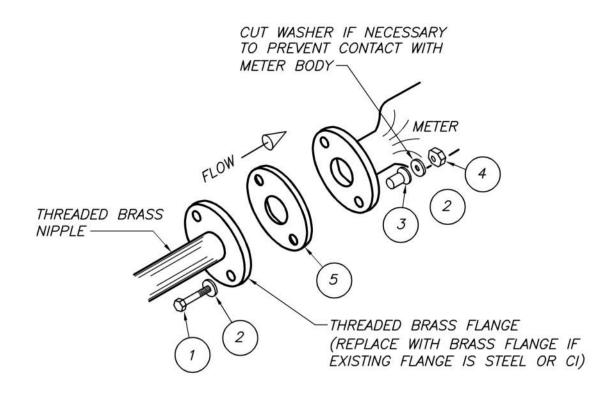
TEST STATION

NOTES:

| NO SCALE | FILE NO. SD0010 | APPROV. BY: RKT | REV. DATE: MAY '95 |
|----------|-----------------|-----------------|--------------------|
|----------|-----------------|-----------------|--------------------|

TERMINAL BLOCK ASSEMBLY

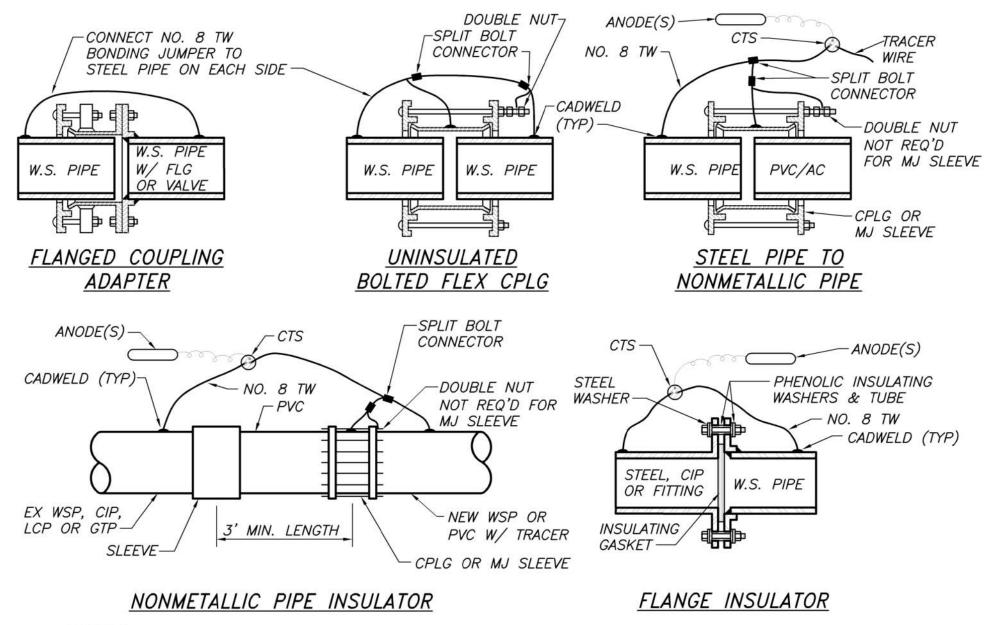
| | MATERIAL LIST |
|------|---|
| ITEM | DESCRIPTION |
| Α | 4"X4" MARKER POST |
| В | 1 1/4"CONDULET, TYPE E, W/BLANK COVER |
| С | 1 1/4"CONDUIT, RIGID IRON GALV. W/BUSHING |
| D | 1 1/4"CONDUIT STRAP |
| Ε | BUSHING |
| F | TW STRANDED WIRE-NO. 8 OR NO. 12 |
| G | COVER (8" OR 5" CTS) |
| Н | ALUMINUM TUBING 5" DIA. |
| 1 | 3/4"METER BOX W/COVER |
| J | LUG, 50A |
| K | NO 12X3/4"R.H BRASS MACH. SCR. W/ NUT |
| L | 1 5/8" SQ PHENOLIC TUBING |



| | ITEM | 1 1/2"METER | 2"METER | NO. REQ'D |
|---|-------------------|-------------|-------------|-----------|
| 1 | MACHINE BOLT | 1/2"X3" | 5/8"X3" | 2 |
| 2 | STEEL WASHER | 1/2"X1 1/8" | 5/8"X1 1/4" | 4 |
| 3 | INSULATING SLEEVE | 1/2" | 5/8" | 2 |
| 4 | HEX. HEAD NUT | 1/2" | 5/8" | 2 |
| 5 | INSULATING GASKET | 1 1/2" | 2" | 1 |

METER INSULATION 1 4/2" & 2"

| NO SCALE | FILE NO. SDOO11 | APPROV. BY: RKT | REV. DATE: MAY '95 |
|----------|-----------------|-----------------|--------------------|
|----------|-----------------|-----------------|--------------------|

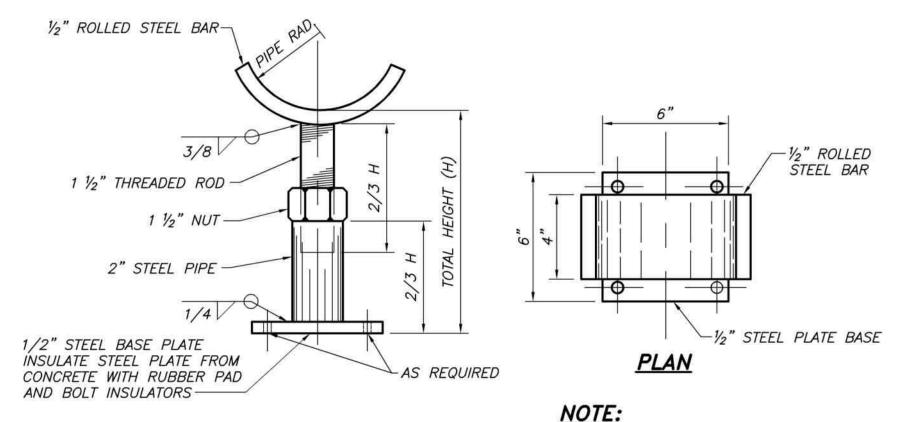


1. WRAP C.I. PIPE AND FITTINGS MIN. 4' AWAY FROM INSULATING JOINT ON C.I. SIDE 2. TAPE ALL BARE WIRING AND CONNECTORS WITH 7 MIL PVC TAPE BEFORE WRAPPING PIPE AND FITTINGS.

PIPELINE INSULATION AND BONDING JUMPER DETAILS

| NO SCALE | FILE NO. SD0012 | APPROV. BY: KMcD | REV. DATE: FEB. '11 | |
|----------|-----------------|------------------|---------------------|--|
|----------|-----------------|------------------|---------------------|--|

PIPE SUPPORT ASSEMBLY TO BE SUPPLIED BY CONTRACTOR



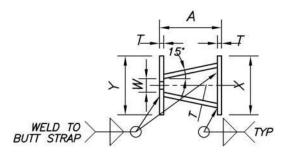
ELEVATION

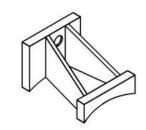
GRINNELL NO. 264 MAY BE USED IN LIEU OF THE ADJUSTABLE PIPE SUPPORT DETAIL

ADJUSTABLE PIPE SUPPORT

| NO SCALE | FILE NO. SD0013 | APPROV. BY: RKT | REV. DATE: MAY '95 |
|----------|-----------------|-----------------|--------------------|
|----------|-----------------|-----------------|--------------------|

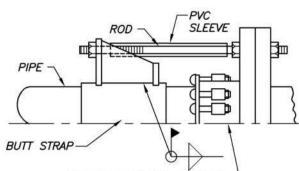
HARNESS JOINT ASSEMBLY TO BE SUPPLIED BY CONTRACTOR



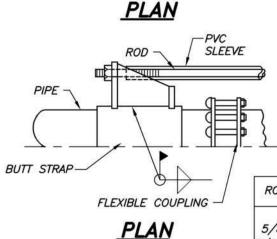


NOTE:

THE MINIMUM WELD THICKNESS SHALL BE 3/8 INCH.



FLANGE COUPLING ADAPTER -



| CH. | Y 1/2 Y |
|-----|------------|
| E - | |
| | UTT STRAP |

HARNESS JOINT DIMENSIONS

| 150 | | PSI | 200 PSI | | 250 PSI | |
|--------------|-------------|------------------------|-------------|------------------------|-------------|------------------------|
| PIPE O.D. | ROD SIZE | BUTT STRAP THICK | ROD SIZE | BUTT STRAP THICK | ROD SIZE | BUTT STRAP THICK |
| 4 1/2 | 1/2 | 1/4 | 1/2 | 1/4 | 1/2 | 1/4 |
| 6 5/8 | 5/8 | 1/4 | 5/8 | 1/4 | 5/8 | 1/4 |
| 8 5/8 | 5/8 | 1/4 | 5/8 | 1/4 | 5/8 | 1/4 |
| 10 3/4 | 5/8 | 1/4 | 3/4 | 1/4 | 3/4 | 1/4 |
| 12 3/4 | 3/4 | 1/4 | 7/8 | 1/4 | 7/8 | 1/4 |
| 14 | 3/4 | 3/8 | 7/8 | 3/8 | 1 | 3/8 |
| 16 | 7/8 | 3/8 | 1 | 3/8 | 1 1/8 | 3/8 |
| 18 | 1 | 3/8 | 1 1/8 | 3/8 | 1 1/4 | 3/8 |
| 20 | 1 | 3/8 | 1 1/8 | 3/8 | 1 1/4 | 3/8 |
| 24 | 1 1/4 | 1/2 | 1 1/2 | 1/2 | 1 1/2 | 1/2 |

NOTES:

- 1. THE SIZES LISTED ABOVE ARE MINIMUM SIZES. FOR PIPE OF LARGER O.D. ENGINEERING WILL SPECIFY DESIGN.
- 2. TWO RODS REQUIRED FOR EACH HARNESS ASSEMBLY.
- 3. SPLIT BUTT STRAPS TO BE INSTALLED WITH JOINT WELDS ON TOP AND/OR BOTTOM.

| ROD SIZE | STRAP WIDTH | т | A | x | Y | | W | | HB | | Ε | HF | 1 | | IOLE IA |
|-------------|----------------|-----|-------|-------|-------|---|-----|---|-----|---|-----|-----|----|----|------------|
| 1/2 | 6 | 1/4 | 4 1/2 | 4 1/2 | 4 1/2 | 1 | 1/4 | 3 | 3/4 | 2 | 7/8 | 1 7 | /8 | 5 | /8 |
| 5/8 | 7 | 3/8 | 5 | 5 | 5 | 1 | 3/8 | 3 | 7/8 | | 3 | 2 | | 3 | 14 |
| 3/4 | 7 | 3/8 | 5 | 5 | 5 | 1 | 1/2 | 4 | 1/8 | 3 | 1/8 | 2 | | 7 | /8 |
| 7/8 | 12 | 1/2 | 5 1/2 | 5 | 5 | 1 | 5/8 | 4 | 1/4 | 3 | 1/8 | 2 | | 12 | 1 |
| 1 | 14 | 1/2 | 5 3/4 | 6 | 6 | 1 | 3/4 | 4 | 1/2 | 3 | 1/4 | 2 | | 1 | 1/8 |
| 1 1/8 | 17 | 1/2 | 7 | 7 | 7 | 1 | 7/8 | 4 | 3/4 | 3 | 5/8 | 2 1 | 12 | 1 | 1/4 |
| 1 1/4 | 18 | 5/8 | 7 1/2 | 7 1/2 | 7 1/2 | | 2 | | 5 | 3 | 3/4 | 2 1 | 12 | 1 | 3/8 |
| 1 1/2 | 22 | 3/4 | 10 | 10 | 10 | 2 | 1/4 | 5 | 1/2 | 3 | 7/8 | 2 1 | 12 | 1 | 5/8 |

NOTES:

DIMENSIONS ARE BASED ON A.W.W.A. DESIGN MANUAL M-11 SECTION 13.10 AND ASSOCIATED TABLES AND FIGURES. THE FOLLOWING ARE MATERIAL CONFORMANCE SPECIFICATIONS.

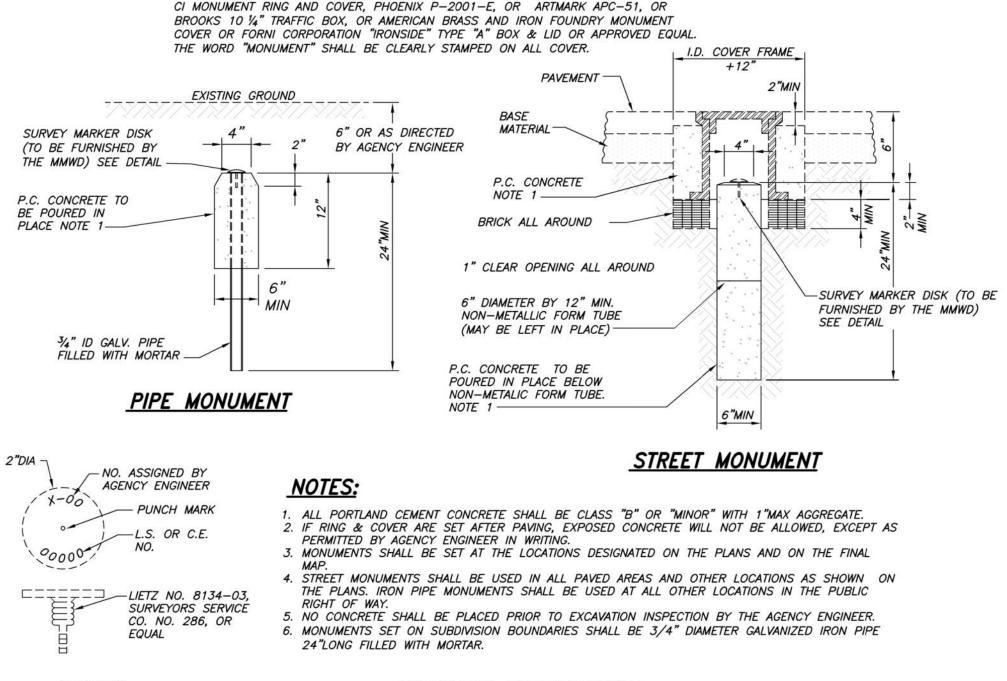
| ROD SIZE | PVC SCH 40 SLEEVE SIZE |
|---------------------------------|---------------------------|
| 1/2" 5/8"–3/4" 7/8"–1 1/4 | 3/4" 1" 1 1/2" |
| 1 1/2" | 2" |

SPECIFICATIONS:

| RODS | - ASTM A193, GRADE B7 |
|------------------|--------------------------------|
| NUTS | - ASTM A194, GRADE 2H |
| LUG MATERIAL | ASTM A283, GRADE C OR ASTM A36 |
| RODS ARE TO HAVE | UNC THREADS FOR SIZES<1INCH |
| RODS ARE TO HAVE | SUN THREADS/INCH FOR SIZES>1 |

JOINT HARNESS

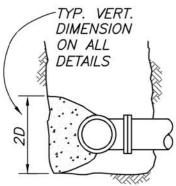
| NO SCALE FILE NO. SD0014 | APPROV. BY: RKT | REV. DATE: MAY '97 |
|--------------------------|-----------------|--------------------|
|--------------------------|-----------------|--------------------|

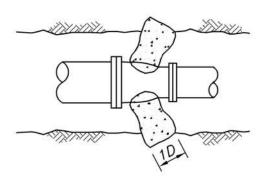


DETAIL

SURVEY MONUMENT

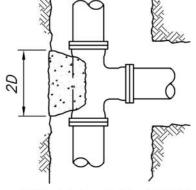
| NO SCALE | FILE NO. SD0015 | APPROV. BY: RKT | REV. DATE: NOV '96 |
|----------|-----------------|-----------------|--------------------|
| | | | |





PLAN OF REDUCER

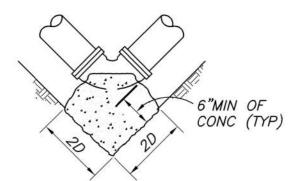


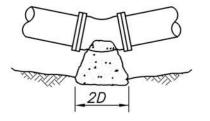


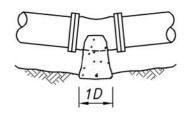
30

PLAN OF 45° BEND

PLAN OF TEE







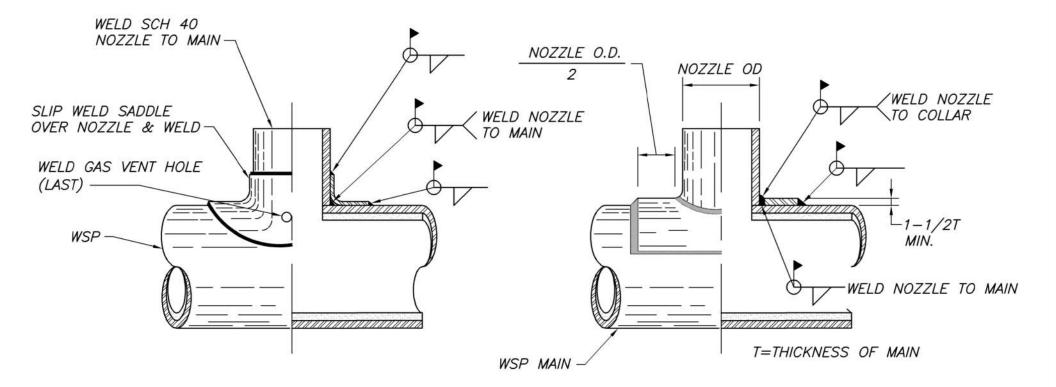
<u>PLAN OF 11 1/4° BEND</u>

NOTES:

- 1. ALL CONCRETE BLOCKING TO BE SET AGAINST UNDISTURBED GROUND. "D" INDICATES NOMINAL PIPE DIA. BLOCK SIZE BASED ON 3000 LBS/SQ FT SOIL. IF BEARING VALUE OF SOIL IS LESS, THE "D" VALUE SHALL BE INCREASED ACCORDINGLY. MINIMUM BLOCK DIMENSION SHALL BE 1 FOOT SQUARE.
- 2. THIS DETAIL WILL APPLY TO ALL PUSH-ON, FLEXIBLE OR OTHERWISE UNRESTRAINED JOINTS. ALSO APPLIES TO WELDED STEEL WHEN USED IN CONNECTION WITH FLEXIBLE JOINTS.
- 3. FITTINGS SHALL BE PRIMED AND WRAPPED PRIOR TO INSTALLATION OF CONCRETE BLOCKS.
- 4. CONCRETE SHALL NOT BE PLACED ON, OR AROUND BELLS OR BOLTS.

PLAN OF 90° BEND PLAN OF 22 1/2° BEND

JOINT BLOCKING

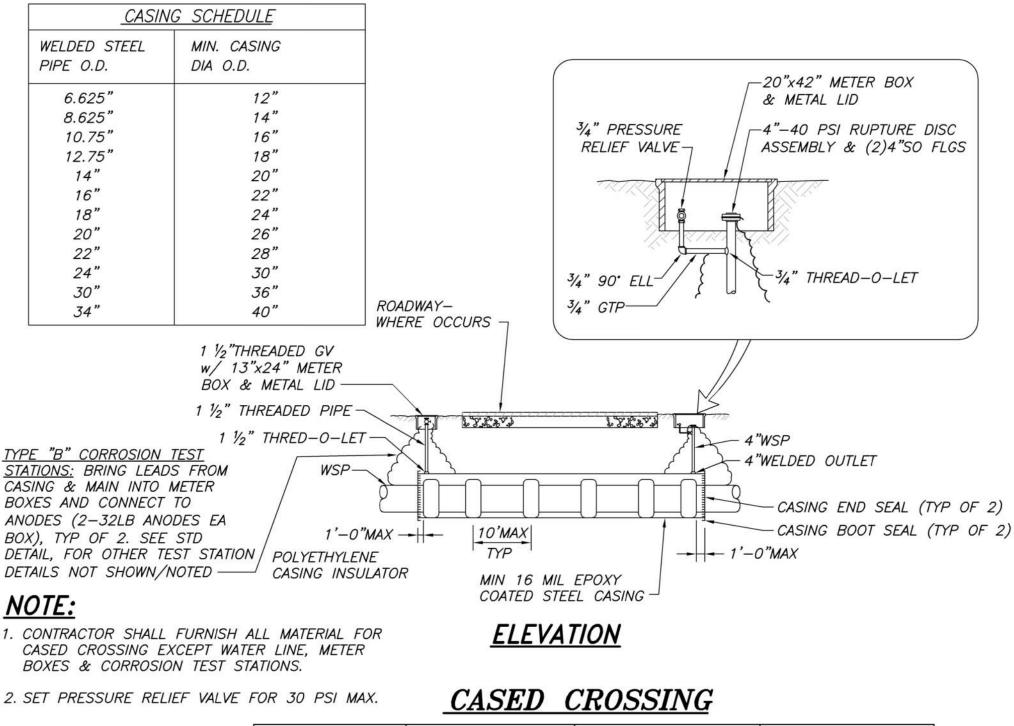


WELD SADDLE

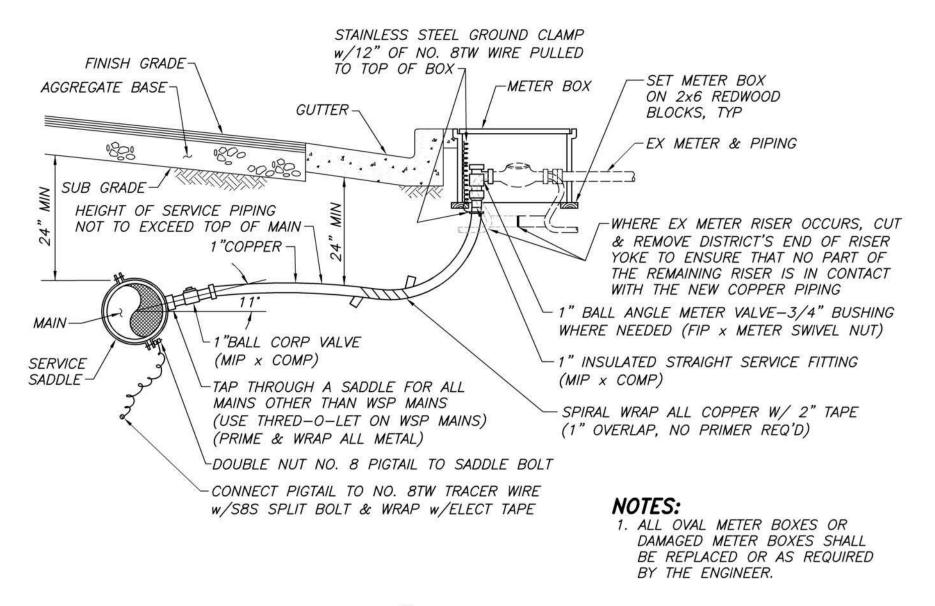
REINFORCING COLLAR

WELDED OUTLET

|--|

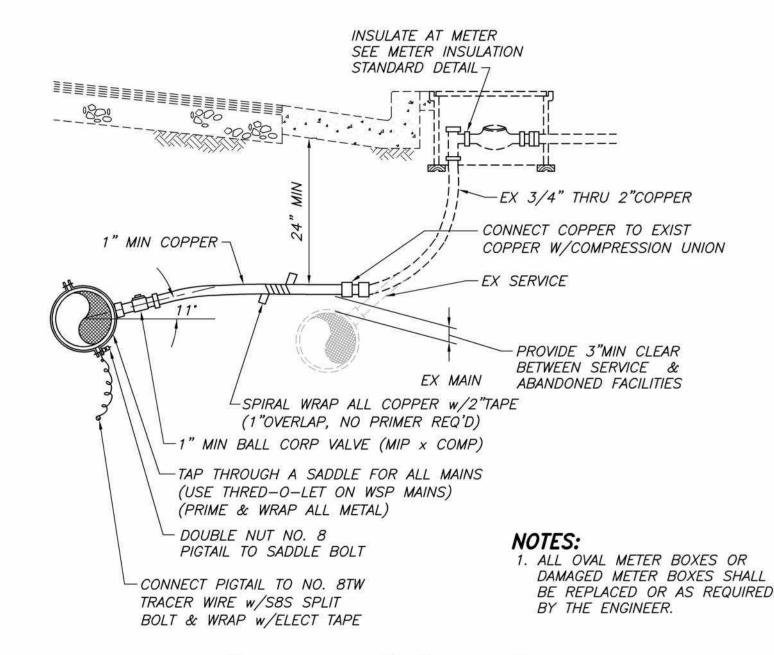


| NO SCALE | FILE NO. SD0019 | APPROV. BY: KMcD | REV. DATE: JUL '11 |
|----------|-----------------|------------------|--------------------|
|----------|-----------------|------------------|--------------------|



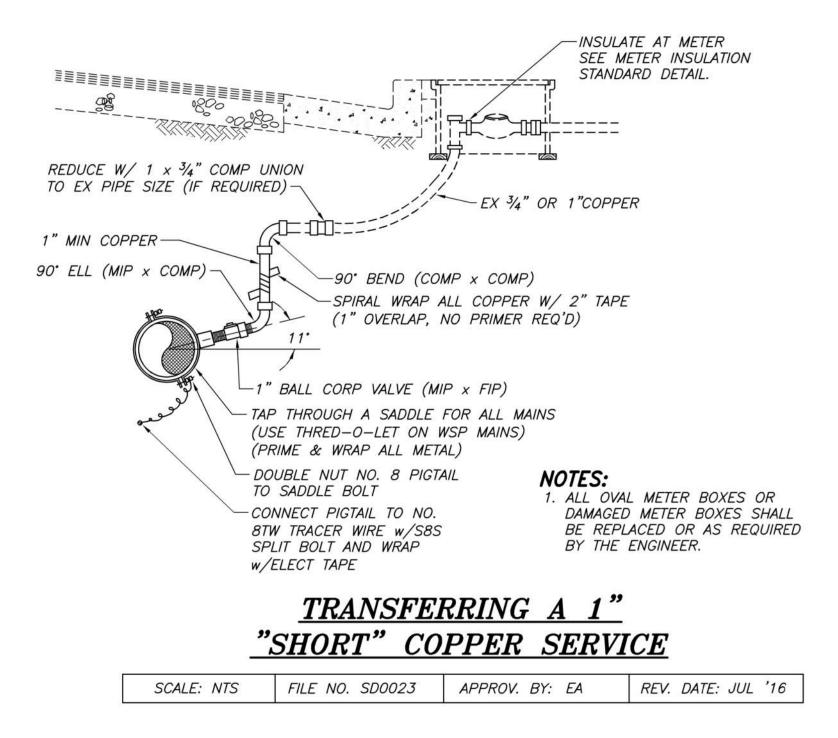
RENEWED 1" COPPER SERVICE

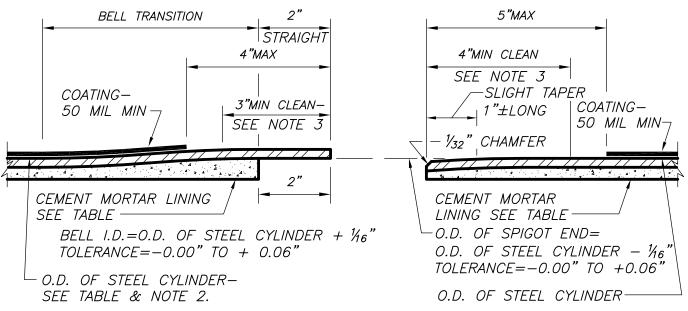
| NO SCALE | FILE NO. SD0021 | APPROV. BY: EI | REV. DATE: JUL '19 |
|----------|-----------------|----------------|--------------------|
|----------|-----------------|----------------|--------------------|



TRANSFERRING A 1" THRU 2" "LONG" COPPER SERVICE

| NO SCALE FILE NO. SD | 22 APPROV. BY: EI | REV. DATE: JUL '19 |
|----------------------|-------------------|--------------------|
|----------------------|-------------------|--------------------|





TYPICAL BELL END DETAIL

TYPICAL SPIGOT END DETAIL

| | S7 | EEL CYLINDER | LINING THICKNESS | MIN |
|----------------------|---------|----------------------|------------------|-------------|
| NOMINAL PIPE SIZE | 0.D. | MIN WALL THICKNESS | (TOLERANCE= | PIPE |
| | 0.0. | (+0.015" TO -0.030") | -1/16"TO +1/8") | <i>I.D.</i> |
| 4" | 4.500" | 0.135" | 1/4" | 3.450" |
| 6" | 6.625" | <i>0.135"</i> | 1/4" | 5.575" |
| 8" | 8.625" | <i>0.135"</i> | 1/4" | 7.575" |
| 10" | 10.750" | 0.135" | 1/4" | 9.596" |
| 12" | 12.750" | 0.135" | 5/16" | 11.572" |
| 14" | 14.000" | 0.156" | 5/16" | 12.783" |
| 16" | 16.000" | 0.179" | 5/16" | 14.737" |
| 18" | 18.000" | 0.219" | 5/16" | 16.657" |
| 20" | 20.000" | 0.219" | 5/16" | 18.657" |
| 24" | 24.000" | 0.250" | 3/8" | 22.470" |
| 30" | 30.000" | 0.250" | 3/8" | 28.470" |
| 36" | 36.000" | 0.250" | 3/8" | 34.470" |

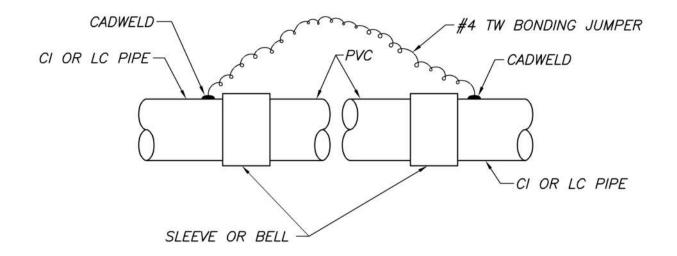
NOTES:

- 1. PIPE CYLINDER, LINING, & COATING SHALL CONFORM TO THE REQUIREMENTS OF MMWD SPECIFICATIONS FOR MANUFACTURE OF MORTAR LINED STEEL PIPE.
- 2. OUT-OF-ROUNDNESS OF STEEL CYLINDER SHALL NOT BE GREATER THAN 1/3" MEASURED AS THE DISTANCE BETWEEN MAJOR AND MINOR OUTSIDE DIAMETERS.
- 3. "CLEAN" AREAS SHALL BE FREE OF ALL COATING MATERIALS OR SHALL BE TAPED FOR EASY STRIPPING IN THE FIELD TO CLEAN BARE STEEL.
- 4. THE PIPE SHALL BE MARKED LONGITUDINALLY OR SPIRALLY, AS FOLLOWS: "PIPE SIZE" MMWater "CONTRACT NO." "LINING TYPE" "COATING TYPE" "COATING DATE" "WALL THICKNESS" "MINIMUM YIELD STRENGTH".

<u>EXAMPLE:</u> 8.625 MMWater 1189ML-TC50 AUG 1998 - t=0.135" - Y=36KSI THE LETTERING SHALL BE OF A HEIGHT NOT LESS THAN 1/4" NOR GREATER THAN 2 INCHES REPEATED CONTINUOUSLY FOR THE LENGTH OF THE PIPE.

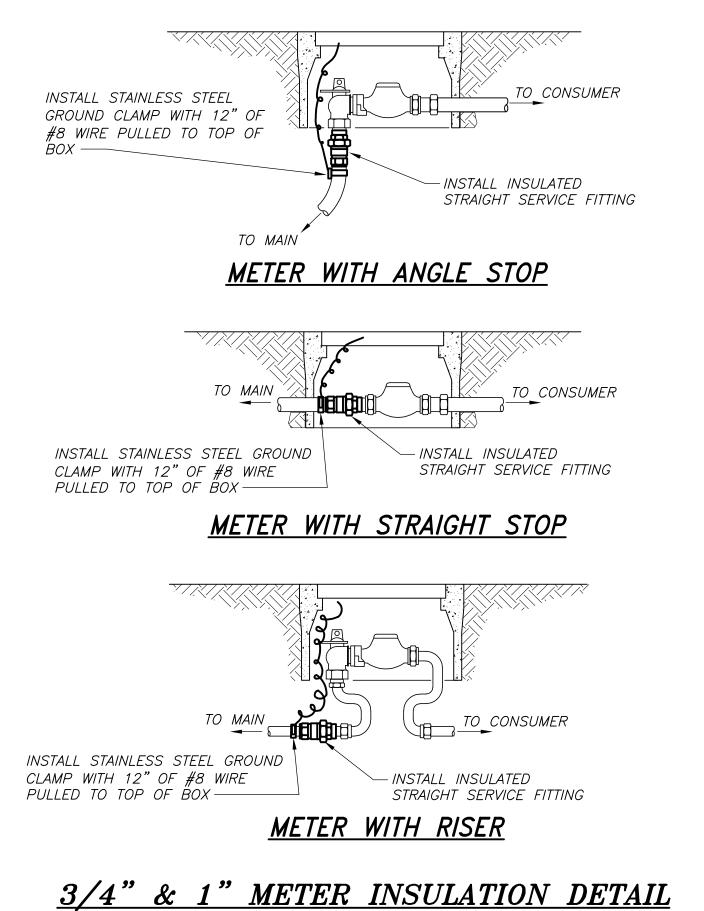
| MORTAR | <u>, LI</u> | NED | & | TAP | E | <u>COATED</u> |
|-----------|-------------|-----|------------|------------|---|---------------|
| <u>4"</u> | ТО | 36" | <i>S</i> 7 | EEL | P | <u>IPE</u> |

| NO SCALE FILE NO. SD0025 | APPROV. BY: AA | REV. DATE: SEPT '21 |
|--------------------------|----------------|---------------------|
|--------------------------|----------------|---------------------|

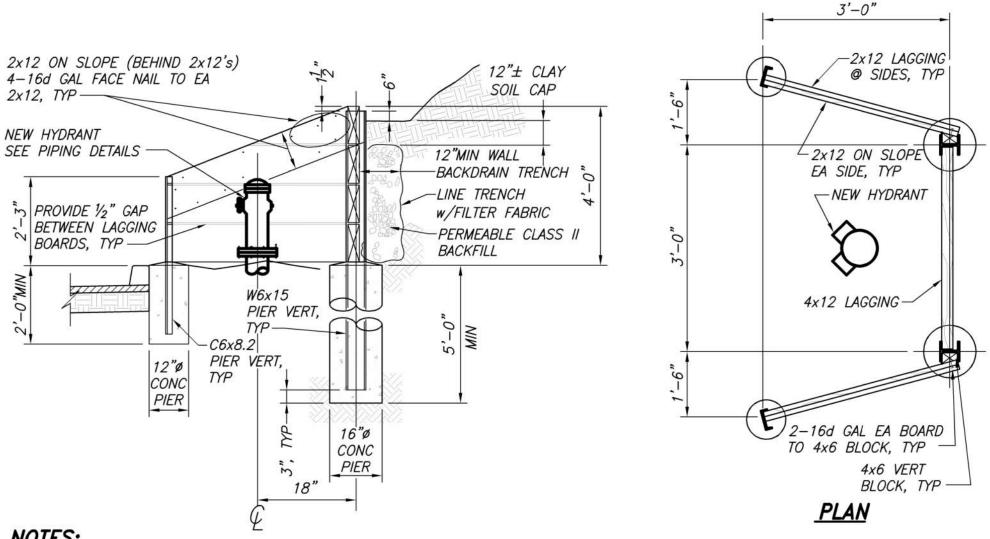


CONTINUITY JUMPER WIRE

| NO SCALE FILE NO. SD0026 | APPROV. BY: RKT | REV. DATE: MAY '95 |
|--------------------------|-----------------|--------------------|
|--------------------------|-----------------|--------------------|



| • | | | |
|----------|-----------------|----------------|---------------------|
| NO SCALE | FILE NO. SD0027 | APPROV. BY: EA | REV. DATE: SEPT '17 |



- 1. ALL WOOD SHALL BE PRESSURE PRESERVATIVE TREATED (0.6 LBS/FT. ACQ), NO. 1 DOUGLAS FIR.
- 2. EXPOSED STEEL PIER VERTICALS SHALL BE COATED W/SYSTEM 8 COATING AS FOLLOWS: PRIMER: DIRECT TO METAL CORROSION INHIBITING ACRYLIC PRIMER 3-4 MIL DRY FILM THICKNESS (DFT): SHERWIN WILLIAMS DTM ACRYLIC PRIMER/FINISH OR DISTRICT APPROVED EQUAL INTERMEDIATE AND FINISH COATS - ACRYLIC LATEX 2-3 MIL DFT EACH COAT: SHERWIN WILLIAMS DTM ACRYLIC PRIMER/FINISH OR DISTRICT APPROVED EQUAL. FINISH COLOR TO MATCH TNEMEC COLOR 112GN FOLIAGE. TOTAL SYSTEM THICKNESS 7-10 MIL DFT
- 3. f'c = 3000 psi

WOOD BULKHEAD WALL

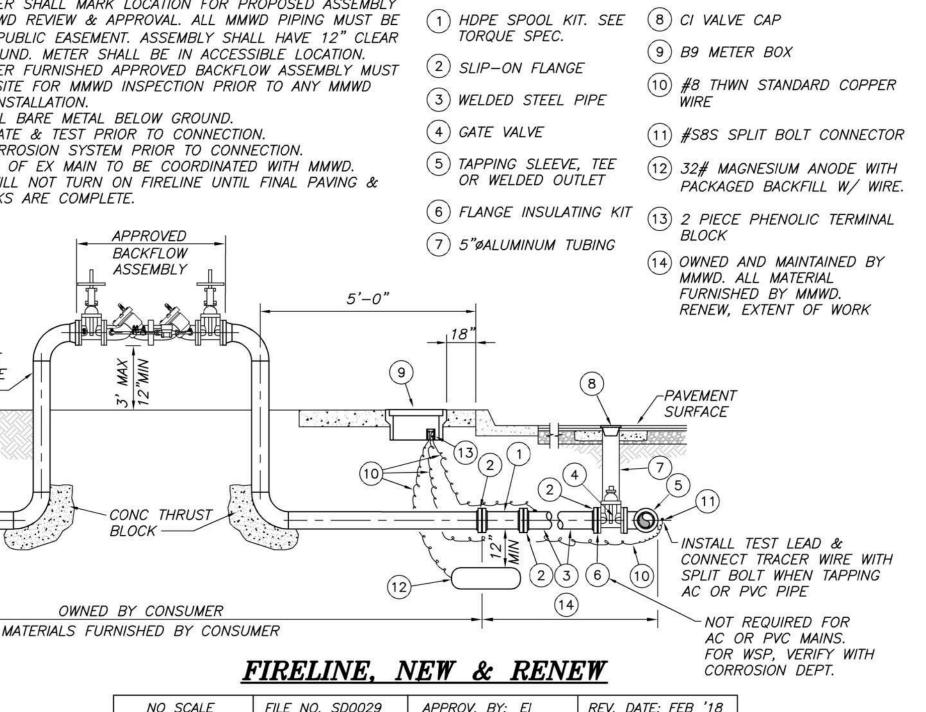
PRIVATE

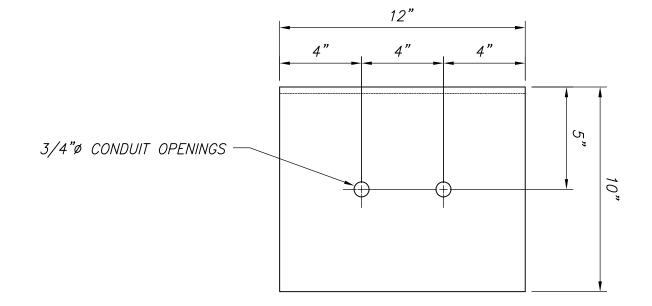
FIRELINE

PIPING -

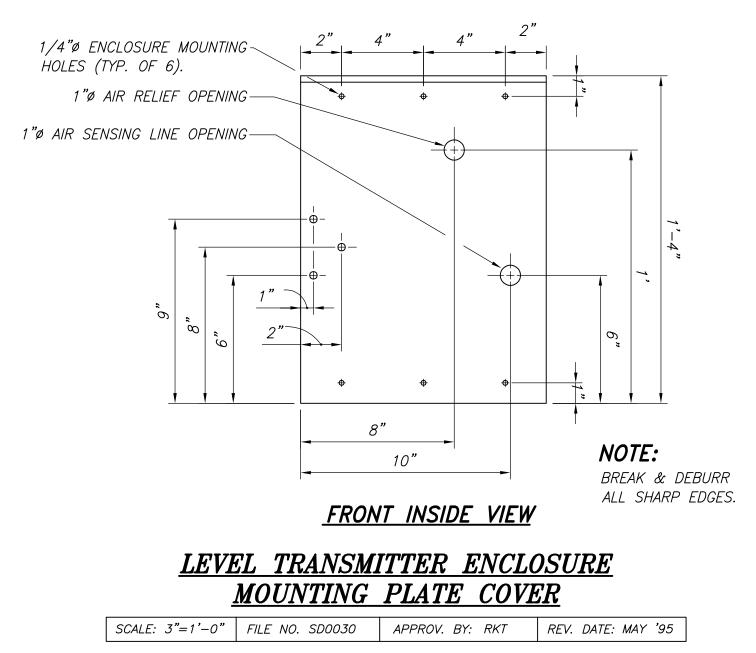
- 1. CONSUMER SHALL MARK LOCATION FOR PROPOSED ASSEMBLY FOR MMWD REVIEW & APPROVAL. ALL MMWD PIPING MUST BE IN THE PUBLIC EASEMENT. ASSEMBLY SHALL HAVE 12" CLEAR ALL AROUND. METER SHALL BE IN ACCESSIBLE LOCATION.
- 2. CONSUMER FURNISHED APPROVED BACKFLOW ASSEMBLY MUST BE ON SITE FOR MMWD INSPECTION PRIOR TO ANY MMWD PIPING INSTALLATION.
- 3. WRAP ALL BARE METAL BELOW GROUND.
- 4. CHLORINATE & TEST PRIOR TO CONNECTION.
- 5. TEST CORROSION SYSTEM PRIOR TO CONNECTION.
- 6. HOT TAP OF EX MAIN TO BE COORDINATED WITH MMWD.
- 7. MMWD WILL NOT TURN ON FIRELINE UNTIL FINAL PAVING & SIDEWALKS ARE COMPLETE.

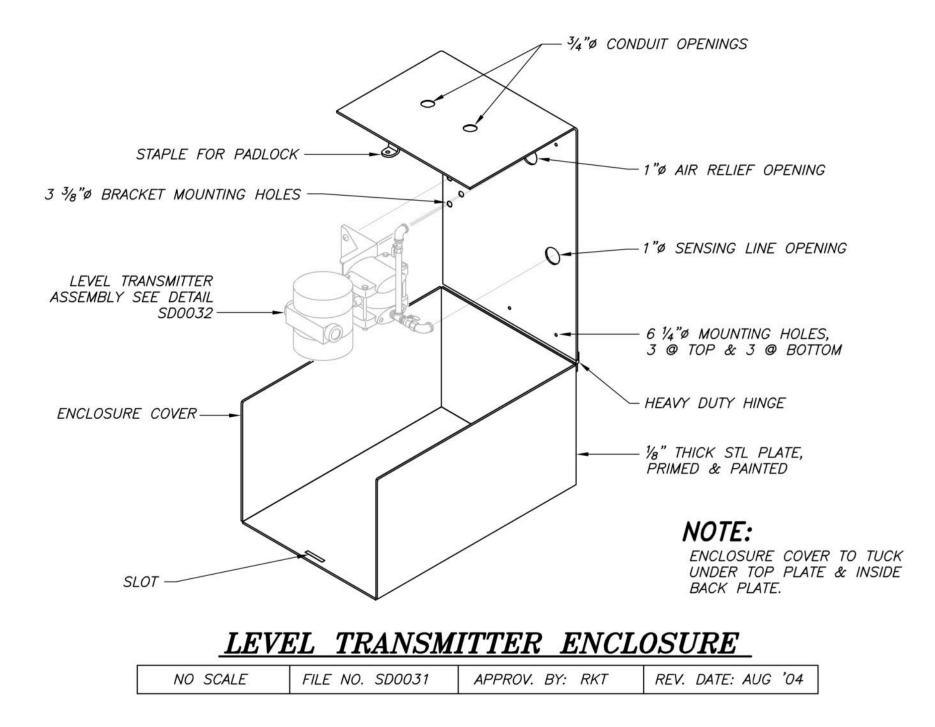
MMWD FURNISHED MATERIAL

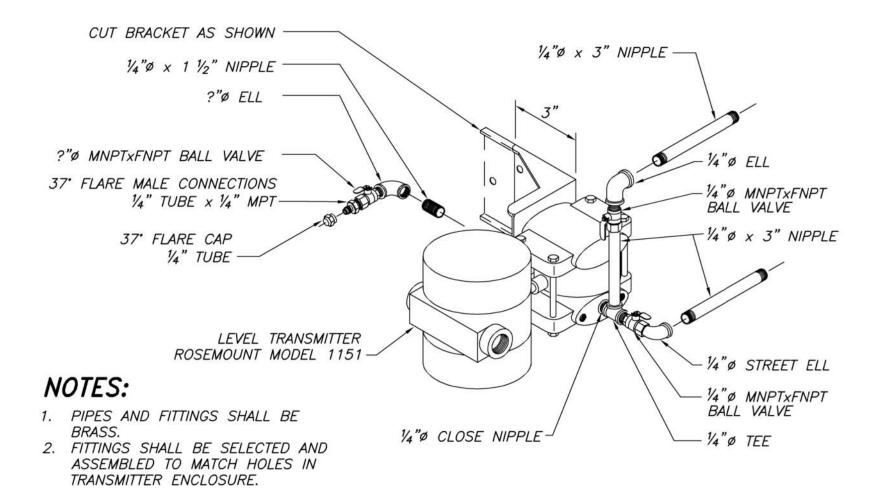




TOP VIEW

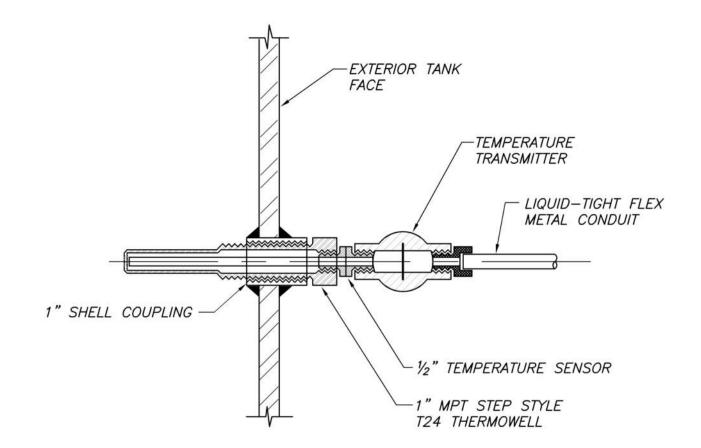






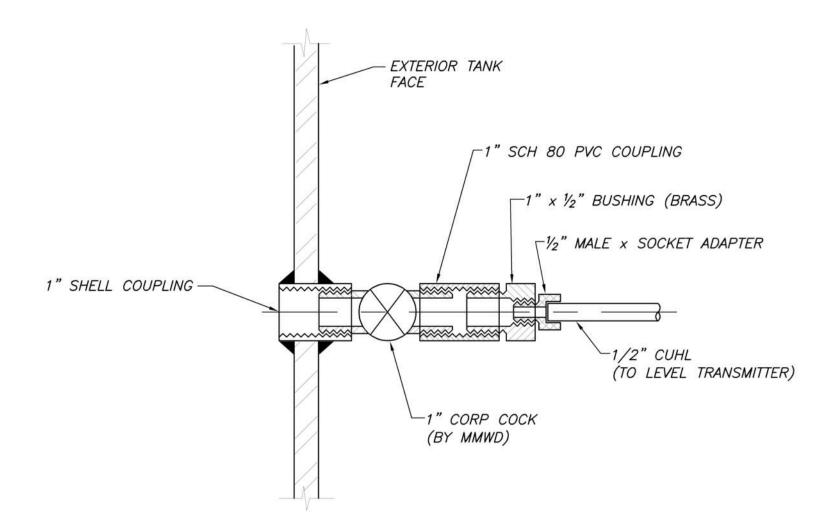
LEVEL TRANSMITTER ASSEMBLY PIPING

| NO SCALE | FILE NO. SD0032 | APPROV. BY: RKT | REV. DATE: AUG '04 |
|----------|-----------------|-----------------|--------------------|
|----------|-----------------|-----------------|--------------------|



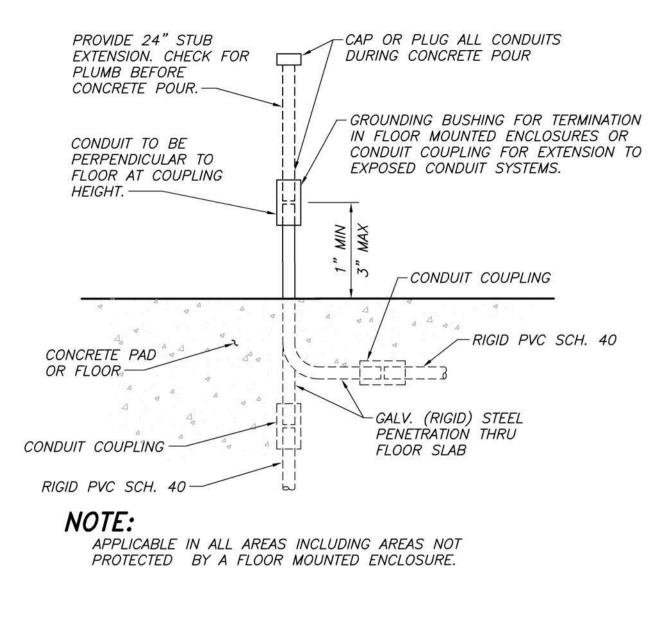
THERMOWELL ASSEMBLY

| SCALE: NTS | FILE NO. SD0033 | APPROV. BY: RKT | REV. DATE: JUL '95 |
|------------|-----------------|-----------------|--------------------|
|------------|-----------------|-----------------|--------------------|



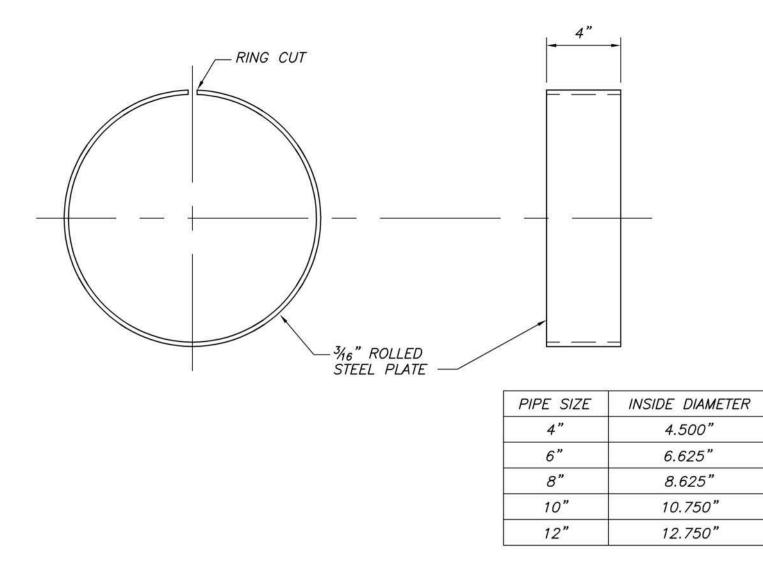
LEVEL TRANSMITTER ASSEMBLY

| SCALE: NTS | FILE NO. SD0034 | APPROV. BY: RKT | REV. DATE: JUL '95 |
|------------|-----------------|-----------------|--------------------|
|------------|-----------------|-----------------|--------------------|



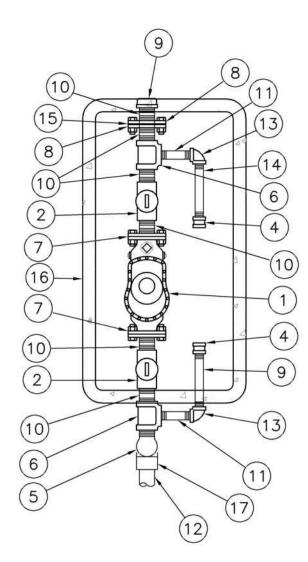
CONDUIT STUB UP DETAIL

| NO SCALE | FILE NO. SD0035 | APPROV. BY: RKT | REV. DATE: JAN '96 |
|----------|-----------------|-----------------|--------------------|
|----------|-----------------|-----------------|--------------------|



STEEL BUTT STRAP

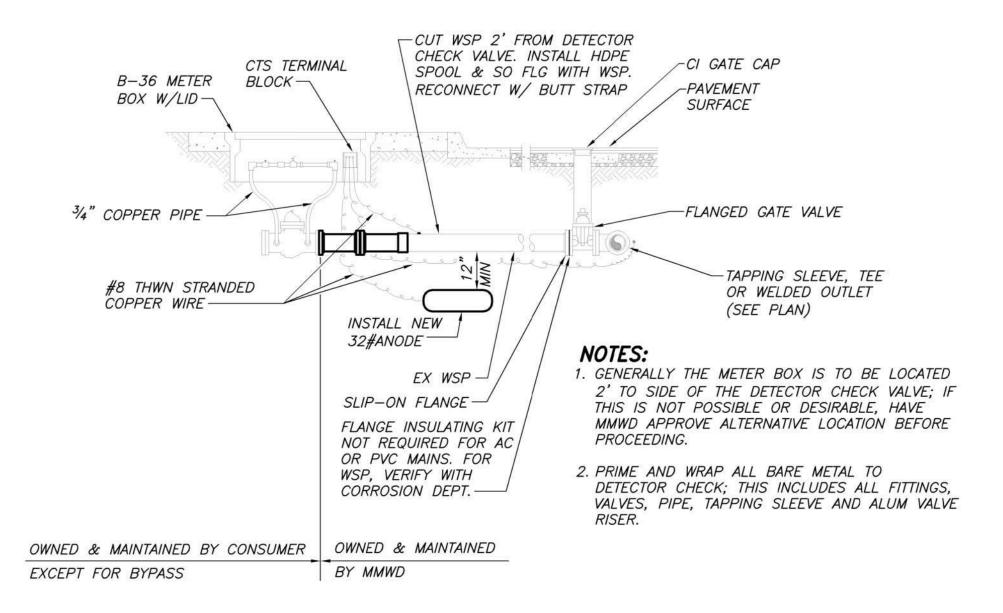
| SCALE: NTS | FILE NO. SD0036 | APPROV. BY: RKT | REV. DATE: JAN '98 |
|------------|-----------------|-----------------|--------------------|
|------------|-----------------|-----------------|--------------------|



| MATERIAL LIST | | | | |
|----------------|---|--------------------|--|--|
| ITEM NUMBER | DESCRIPTION | NUMBER REQUIRED | | |
| 1 | 2" METER | 1 | | |
| 2 | 2" BALL COCKS (FEMALE X FEMALE) | 2 | | |
| 3 | 2" CORPORATION COCK (H15023) NOT USED | | | |
| 4 | 1 1/2" STRAIGHT CURB COCK | 2 | | |
| 5 | 2" COPPER X MALE 90° BEND | 1 | | |
| 6 | 2" X 1 1/2" THREADED BRASS TEE | 2 | | |
| 7 | 2" METER FLANGE | 2 | | |
| 8 | 2" THREADED FLANGE | 2 | | |
| 9 | 2" THREADED CAP | 1 | | |
| 10 | 2" THREADED BRASS NIPPLE (3" LONG) | 6 | | |
| 11 | 1 $\frac{1}{2}$ " THREADED BRASS NIPPLE(6" LONG) | 2 | | |
| 12 | 2" COPPER TUBING | | | |
| 13 | 1 $\frac{1}{2}$ " THREADED BRASS ELBOW | 2 | | |
| 14 | 1 $\frac{1}{2}$ " THREADED BRASS NIPPLE (8"LONG) | 2 | | |
| 15 | 2" FLANGE INSULATING KIT | 1 | | |
| 16 | METER BOX AND STEEL COVER | 1 | | |
| 17 | 2" COMP X COMP 90° BEND | 1 | | |

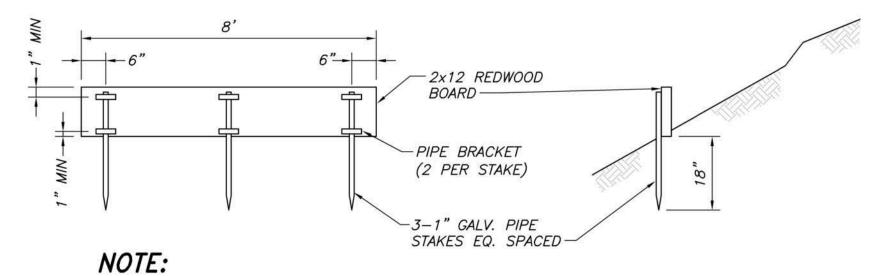
- 1. PRIME AND WRAP ALL BARE METAL IN CONTACT WITH GROUND
- 2. INSTALL METER BOX 4" ABOVE FINISH GRADE IF IN PLANTER AREA.

2" DOMESTIC METER W/ BYPASS



FIRELINE, INSULATION RETROFIT

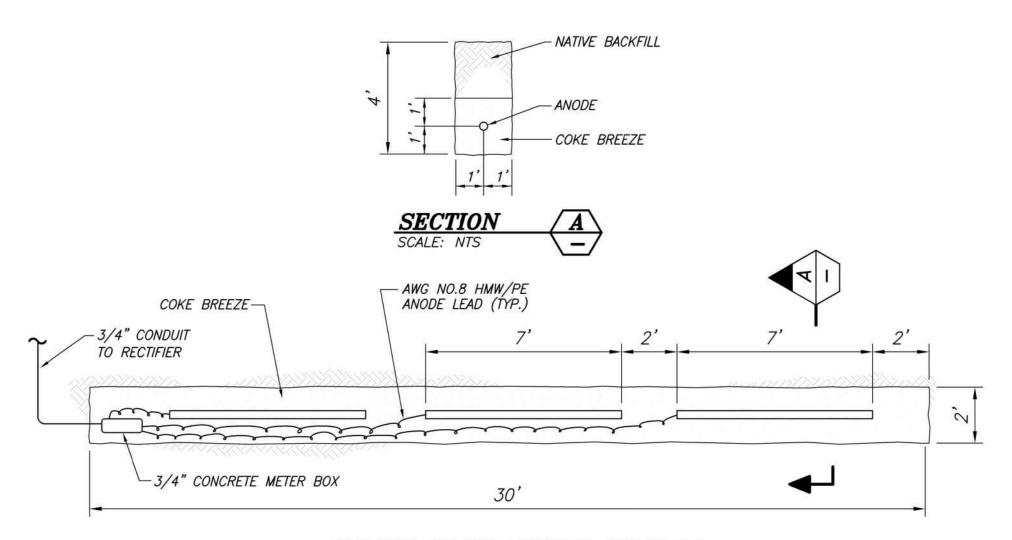
| NO SCALE | FILE NO. SD0038 | APPROV. BY: EI | REV. DATE: FEB '18 |
|----------|-----------------|----------------|--------------------|
| | | | |



EROSION CONTROL BOARDS SHALL BE INSTALLED @ 10'-0" O.C. IN R/W.

EROSION CONTROL BOARD

| NO SCALE FILE NO. SD0039 | APPROV. BY: RKT | REV. DATE: MAY '95 |
|--------------------------|-----------------|--------------------|
|--------------------------|-----------------|--------------------|

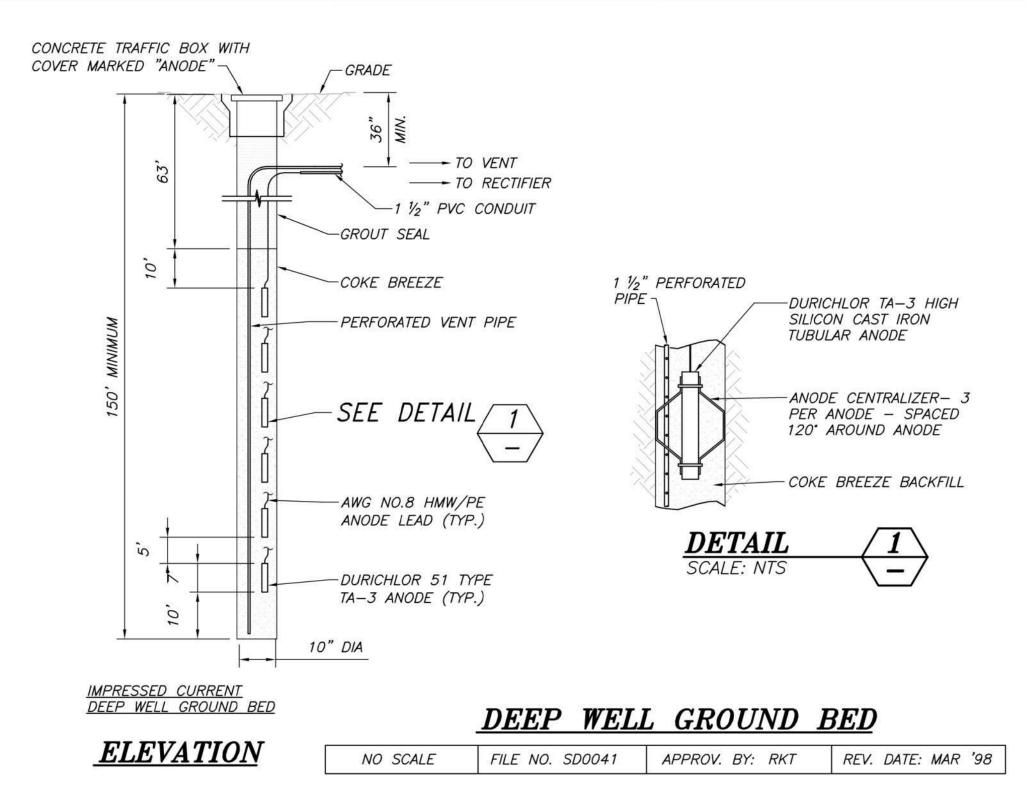


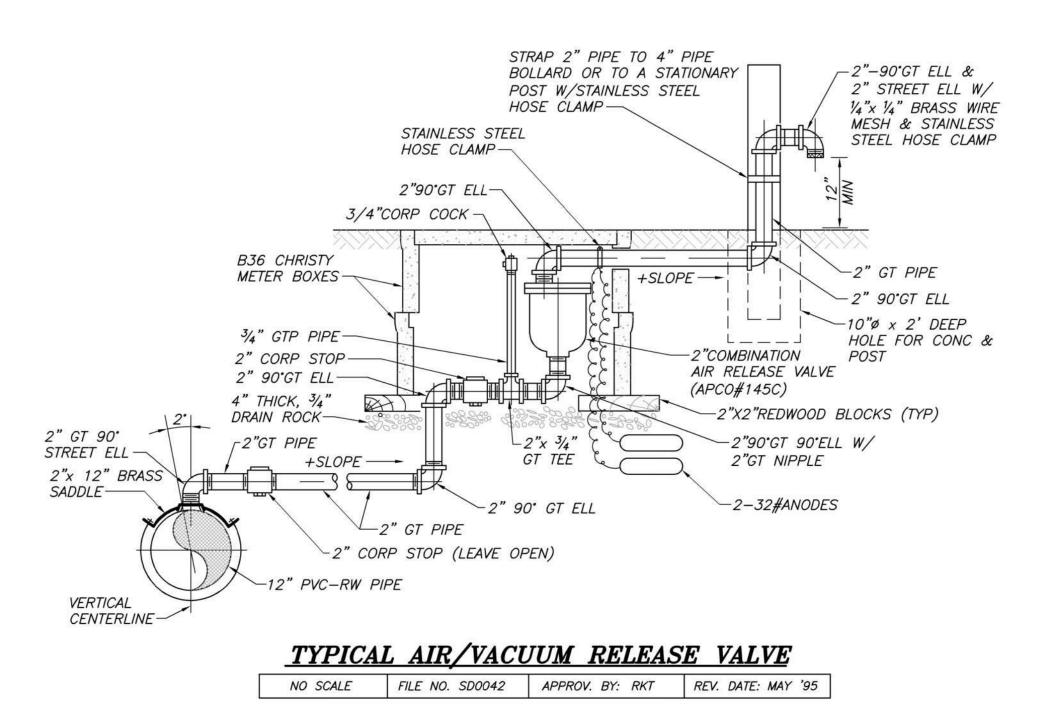
IMPRESSED CURRENT HORIZONTAL GROUND BED

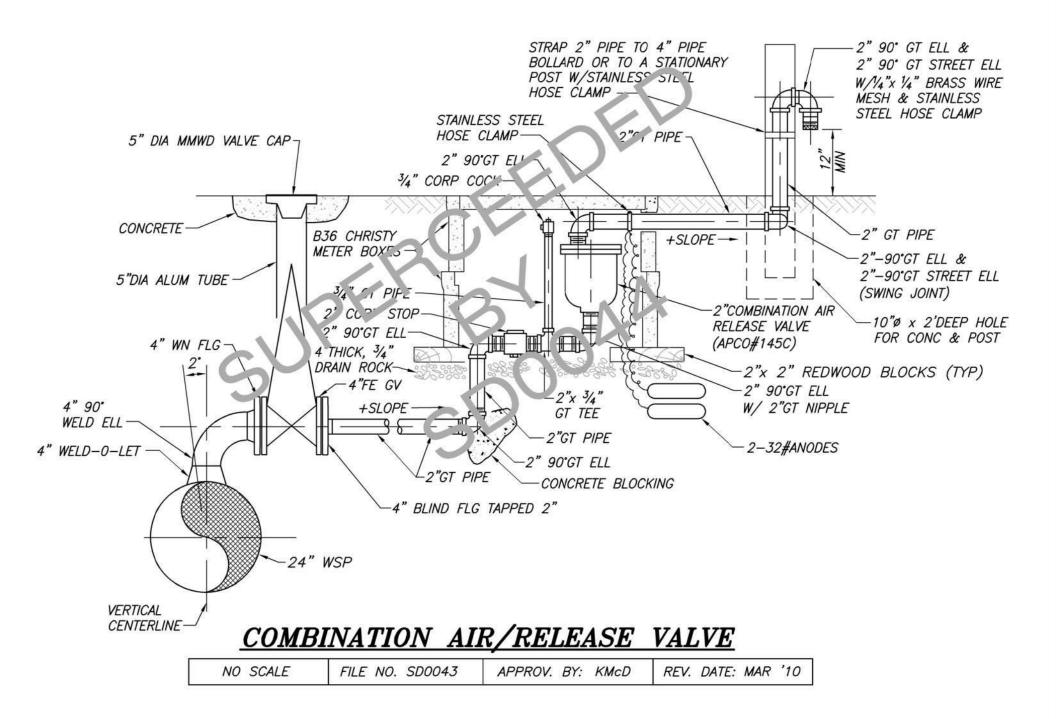
PLAN

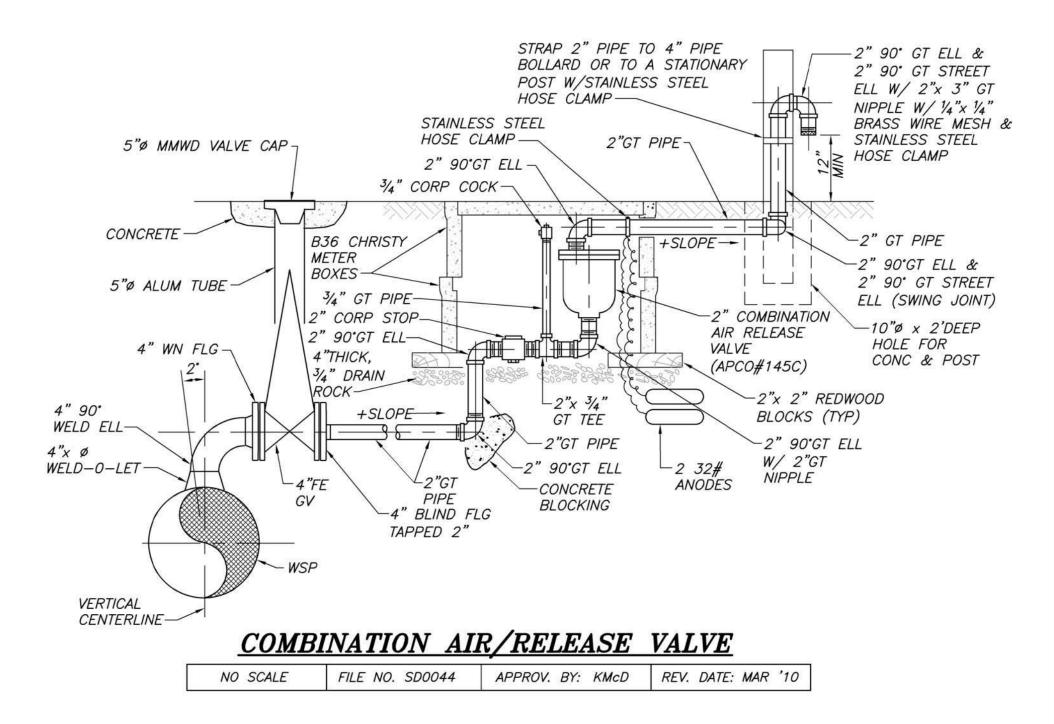
SCALE: NTS

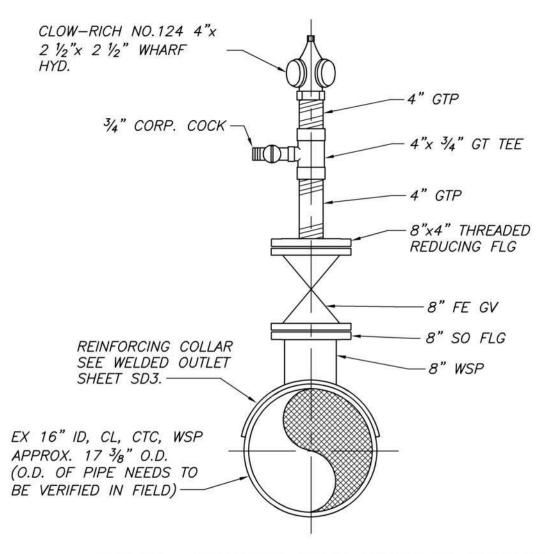
| SCALE: AS SHOWN | FILE NO. SD0040 | APPROV. BY: RKT | REV. DATE: MAY '95 |
|-----------------|-----------------|-----------------|--------------------|
|-----------------|-----------------|-----------------|--------------------|







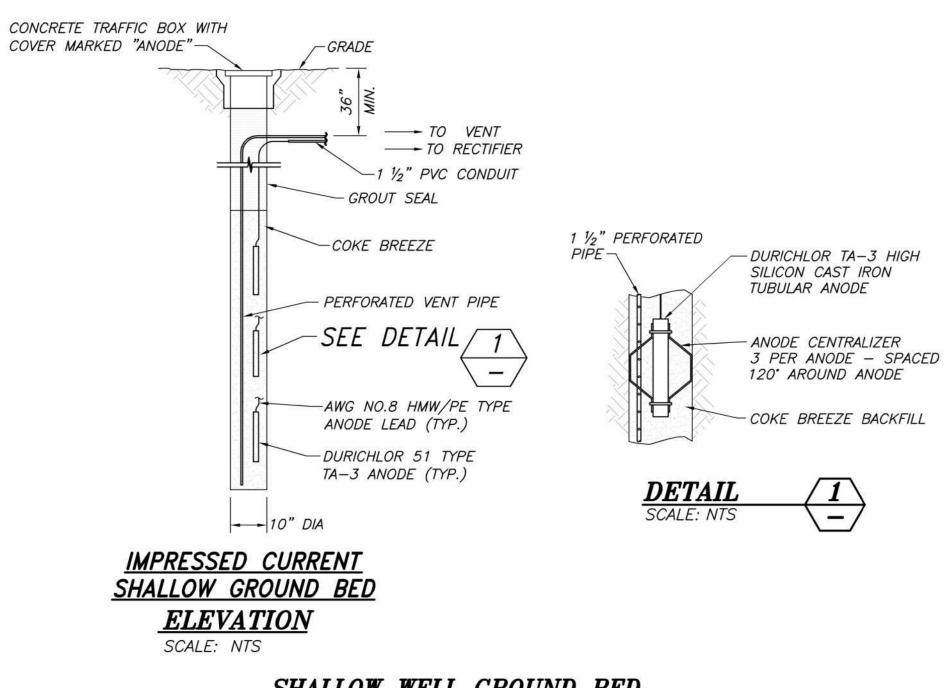




(1 REQ'D - REINFORCING COLLAR SUPPLIED BY CONTRACTOR ALL OTHER MATERIAL IN THIS DETAIL SUPPLIED BY MMWD)

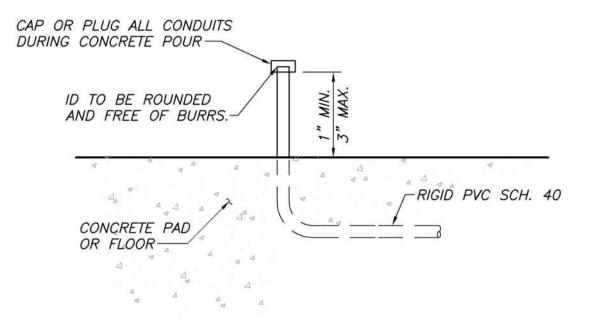
WHARF HYD DRAIN

| NO SCALE | FILE NO. SD0045 | APPROV. BY: RKT | REV. DATE: MAY '95 |
|----------|-----------------|-----------------|--------------------|
|----------|-----------------|-----------------|--------------------|



SHALLOW WELL GROUND BED

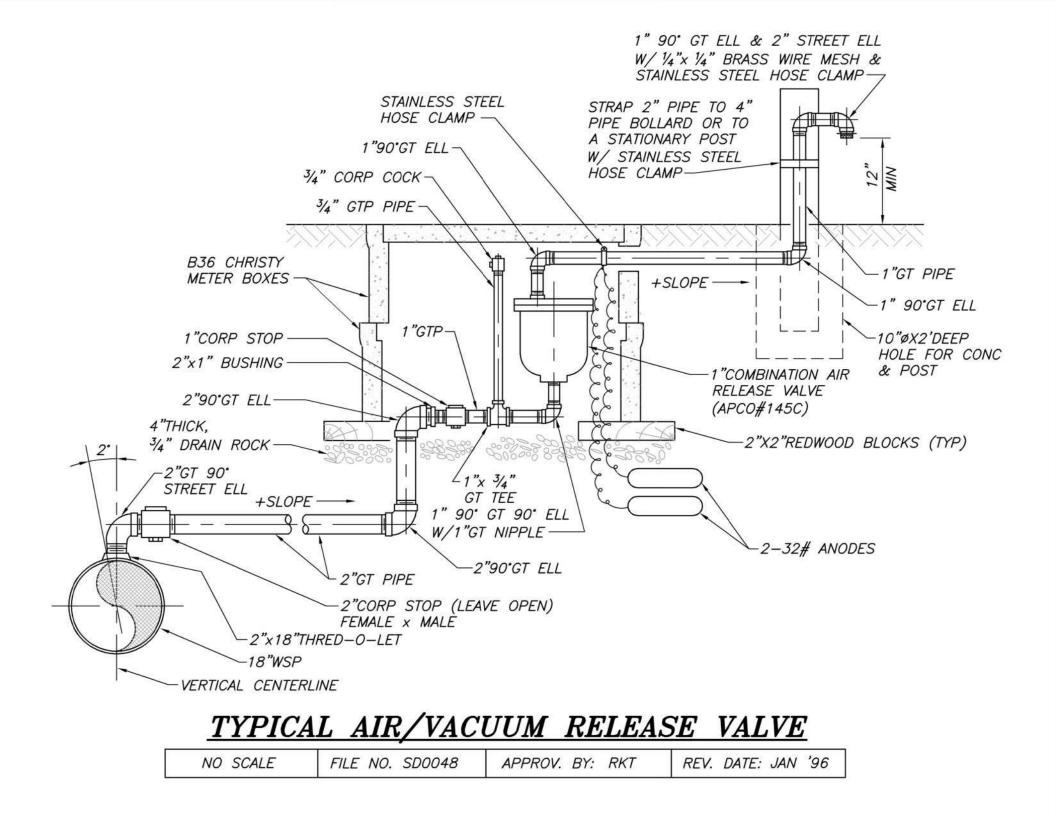
| NO SCALE | FILE NO. SD0046 | APPROV. BY: RKT | REV. DATE: MAR '98 |
|----------|--|--|---|
| | 1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1- | (1) STOLED STATES (1.1.) TRUE IN UNDER COMPANY | 김 김 김 김 씨는 지수가 가지 않는 것을 하는 것을 수 있다. |

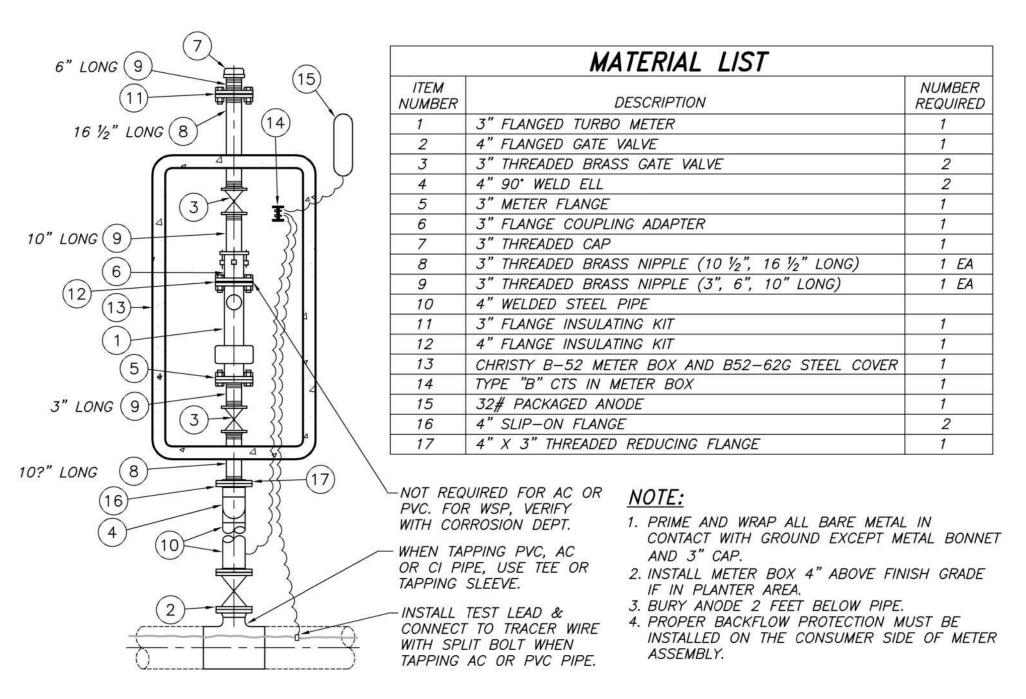


NOTE: APPLICABLE IN ALL AREAS PROTECTED BY A FLOOR MOUNTED ENCLOSURE ONLY.

ALTERNATE CONDUIT STUB UP

| NO SCALE FILE NO. SD0047 | APPROV. BY: RKT | REV. DATE: MAY '95 |
|--------------------------|-----------------|--------------------|
|--------------------------|-----------------|--------------------|

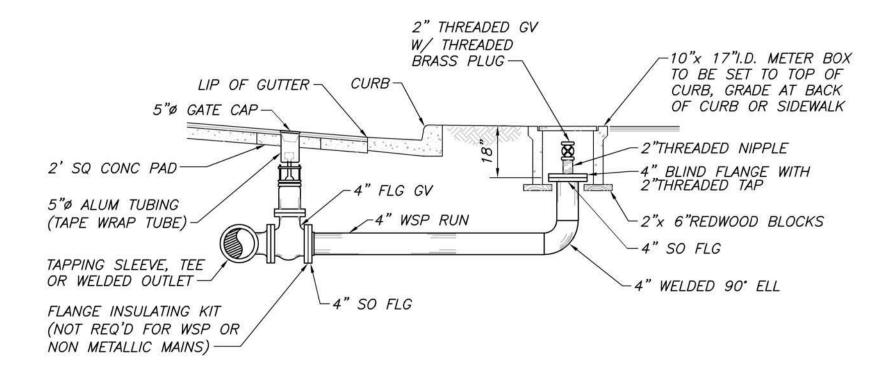




<u>3" TURBO METER</u>

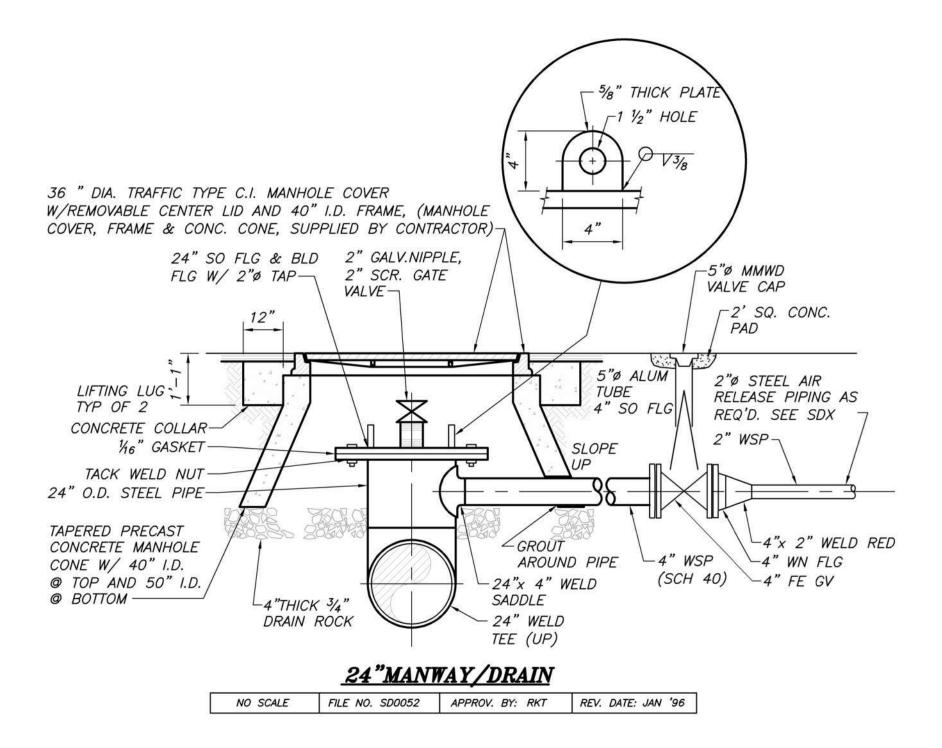
| NO SCALE | FILE NO. SD0049 | APPROV. BY: AA | REV. DATE: JUL '22 |
|----------|-----------------|----------------|--------------------|
|----------|-----------------|----------------|--------------------|

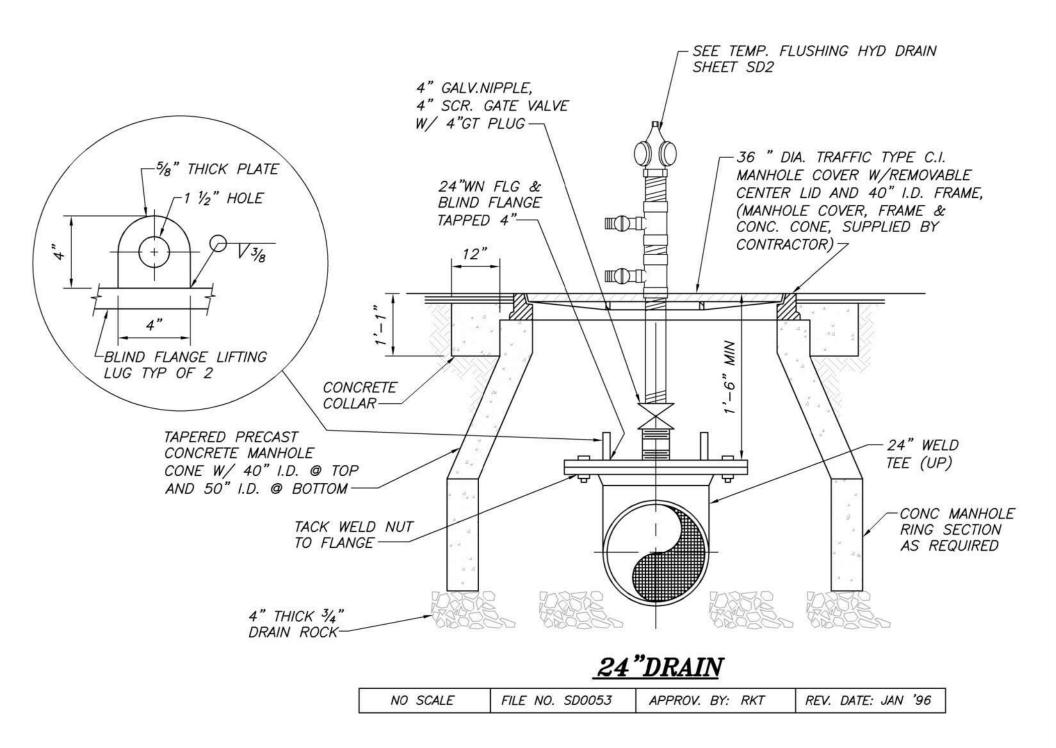
| | | MATERIAL LIST | |
|--|---|--|--|
| (9) (16) 8" LONG | ITEM NUMBER | DESCRIPTION | NUMBER REQUIRED |
| | 1 | 3" FLANGED METER | 1 |
| (13) (12) (16)12" LONG | 2 | 4" FLANGED GATE VALVE | 1 |
| | 3 | 3" FLG X FLG GATE VALVE | 2 |
| | 4 | 2" THREADED BRASS GATE VALVE | 2 |
| | 5 | 4" 90" WELD ELL | 2 |
| 16" LONG (10) | 6 | 3"x 2" THREADED BRASS TEE | 2 |
| | 7 | 3" STD SCREW FLANGE | 5 |
| 10" LONG (10) | 8 | 3" FLANGE COUPLING ADAPTER (SHORT BARREL) | 1 |
| \sim \sim \sim \sim (15) | 9 | 3" BLIND FLANGE | 1 |
| | 10 | 3" THREADED BRASS NIPPLE (6"-2 EA, 10"-1 EA, 16"-1 EA) | 4 |
| | 11 | 3" CLOSE BRASS NIPPLE | 2 EA |
| | 12 | 2" THREADED BRASS ELBOW | 2 |
| | 13 | 3" FLANGE INSULATING KIT | 1 |
| 6" LONG (10) | 14 | 4" FLANGE INSULATING KIT AFTER GATE VALVE | 1 |
| | 15 | 30" x 60" METER BOX AND STEEL COVER | 1 |
| 12" LONG | 16 | 2" THREADED BRASS NIPPLE (8",12" LONG) | 2 EA |
| | 17 | TYPE "B" CTS IN METER BOX | 1 |
| " LONG (10) 6 12 | 18 | 32# PACKAGED ANODE | 1 |
| | 19 | 4" SLIP-ON FLANGE | 2 |
| | 20 | 4" x 3" REDUCING STD SCREW FLANGE | 1 |
| 8" LONG | 21 | 4" WELDED STEEL PIPE | 1 |
| 14 2 V V V V V V V V V V V V V | OT REQUIRED VC. FOR WSP, TH CORROSION HEN TAPPING R CI PIPE, US PPING SLEEVE STALL TEST L NNECT TO TH PPING AC OR | VERIFYNOTE:N DEPT.1. PRIME AND WRAP ALL BARE ME GROUND EXCEPT METAL BONNET GROUND EXCEPT METAL BONNETPVC, ACGROUND EXCEPT METAL BONNET GROUND EXCEPT METAL BONNET EXACER WIRE T WHENAND IRRIGATION, INSTALL PROPE PREVENTION ON CONSUMER SID | T AND 3" CAP. FINISH GRADE IF IN PE, SEE STD DETAIL TALS, LARGE BUILDING FR BACKFLOW |
| · · · · · · · · · · · · · · · · · · · | . SD0050 | TER WITH BYPASS APPROV. BY: EI REV. DATE: FEB '19 | |

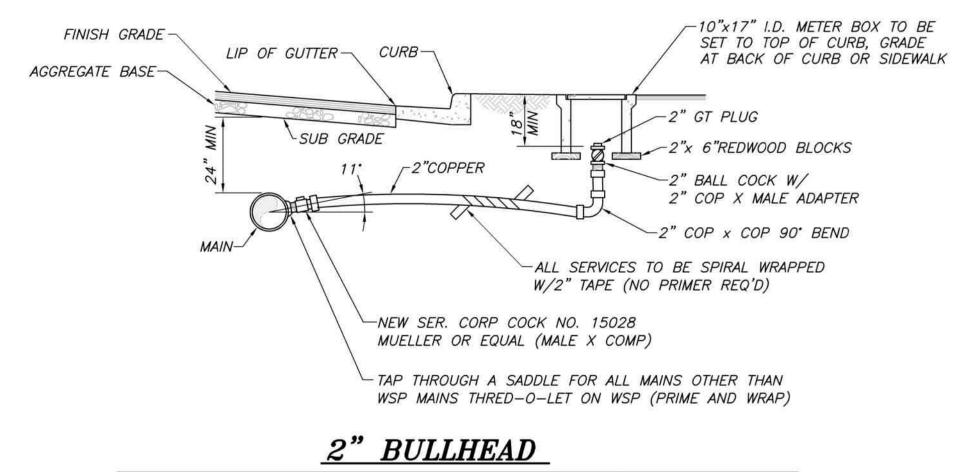


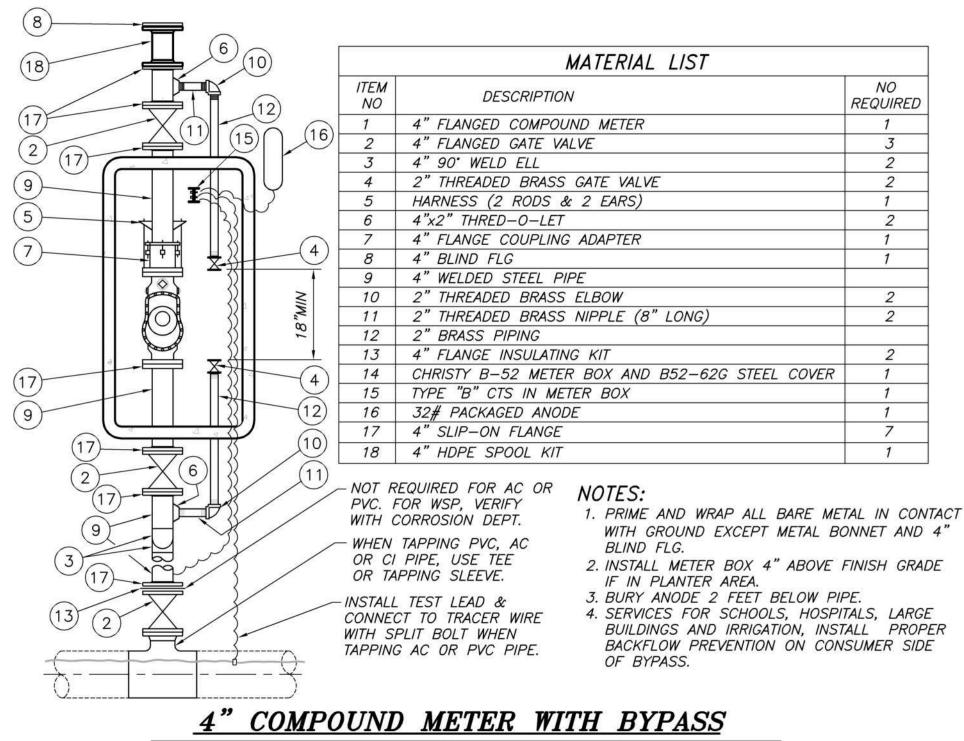
BULLHEAD

| NO SCALE FILE NO. SD0051 | APPROV. BY: RKT | REV. DATE: JAN '96 |
|--------------------------|-----------------|--------------------|
|--------------------------|-----------------|--------------------|

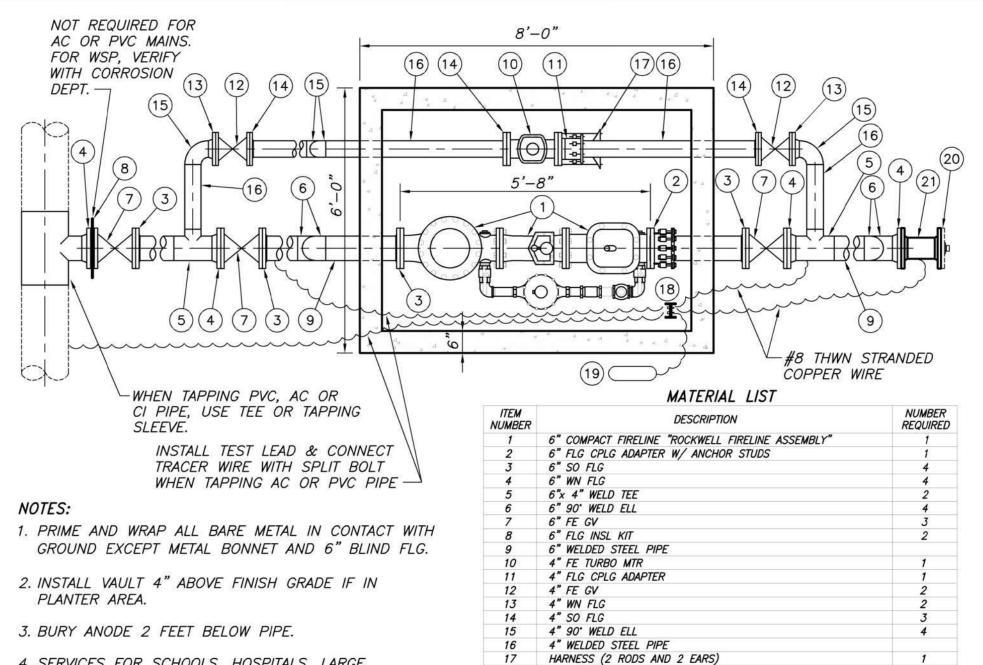








| NO SCALE | FILE NO. SD0055 | APPROV. BY: EI | REV. DATE: FEB '19 |
|----------|-----------------|----------------|--------------------|
| | | | 1 |



4. SERVICES FOR SCHOOLS, HOSPITALS, LARGE BUILDINGS AND IRRIGATION, INSTALL PROPER BACKFLOW PREVENTION ON CONSUMER SIDE OF BYPASS.

6" FIRE LINE WATER METER ASSEMBLIES

18

19

20

21

TYPE "B" CTS

32 LB ANODE

6" HDPE SPOOL KIT

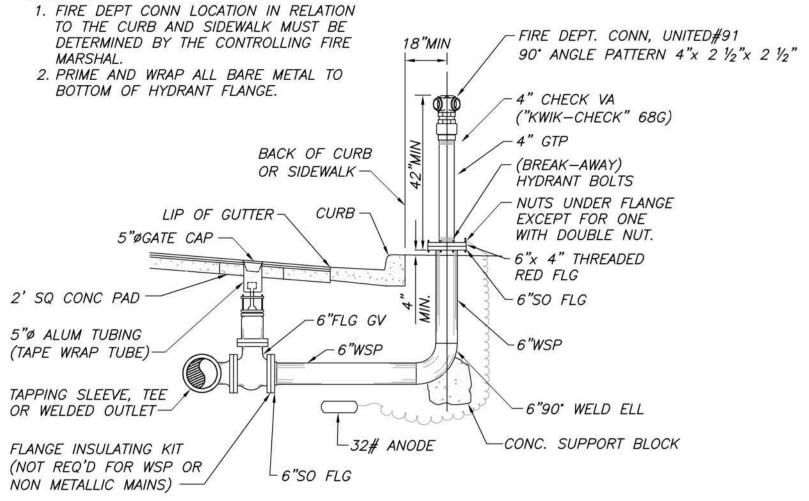
6" BLIND FLG TAPPED 2" W/ 2" GTP PLUG

1

1

1

| NO SCALE FILE NO. SD0056 | APPROV. BY: EI | REV. DATE: FEB '19 |
|--------------------------|----------------|--------------------|
|--------------------------|----------------|--------------------|



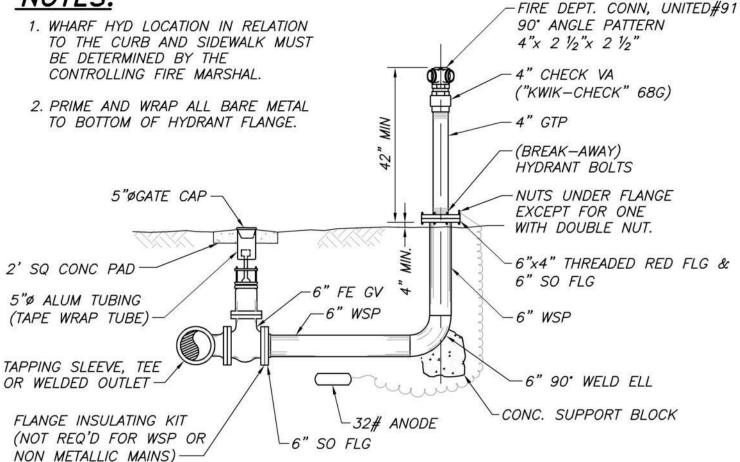
<u>EMERGENCY PUMPING CONNECTION</u> <u>W/ CURB & GUTTER</u>

| NO SCALE | FILE NO. SD0057 | APPROV. BY: RKT | REV. DATE: JUL '97 |
|----------|-----------------|-----------------|--------------------|
|----------|-----------------|-----------------|--------------------|

- 1. HYDRANT LOCATION IN RELATION TO THE CURB AND SIDEWALK MUST BE DETERMINED BY THE CONTROLLING FIRE MARSHAL.
- 2. PRIME AND WRAP ALL BARE METAL INCLUDING HYD BODY HYDRANT BURY & RISER UP TO BOTTOM OF HYDRANT FLANGE. (BREAK-AWAY) HYDRANT BOLTS NUTS UNDER FLANGE 5"ø GATE CAP-EXCEPT FOR ONE WITH DOUBLE NUT. -RISER 2' SQ CONC PAD -FLG GV 5"ø ALUM TUBING WSP RUN (TAPE WRAP TUBE)-TAPPING SLEEVE, TEE OR WELDED OUTLET--FLG BURY SO FLG-CONC. SUPPORT BLOCK FLANGE INSULATING KIT (NOT REQ'D FOR WSP OR -32# ANODE NON METALLIC MAINS)-SO FLG

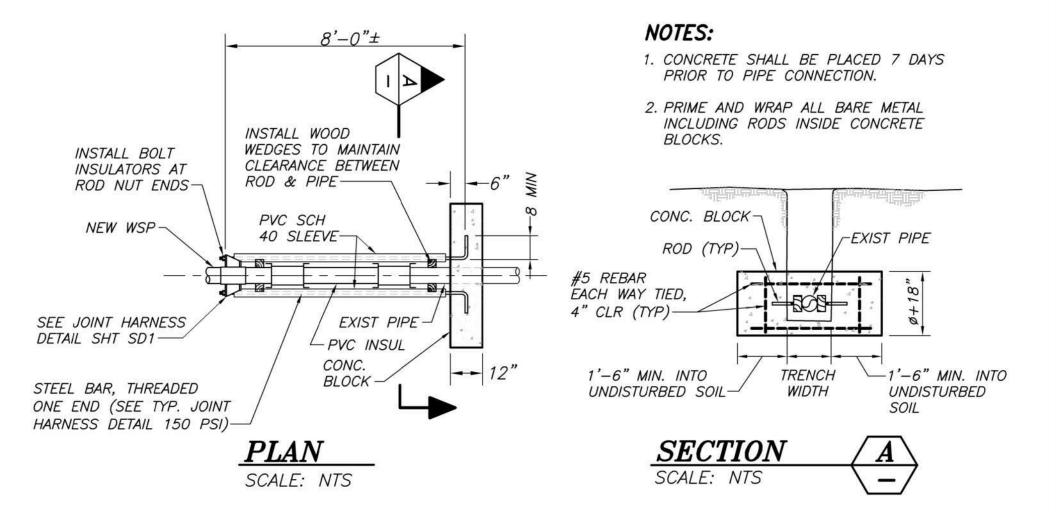
HYDRANT OFF IMPROVED AREA

| NO SCALE FILE NO. SD0058 | APPROV. BY: RKT | REV. DATE: JUL '96 |
|--------------------------|-----------------|--------------------|
|--------------------------|-----------------|--------------------|



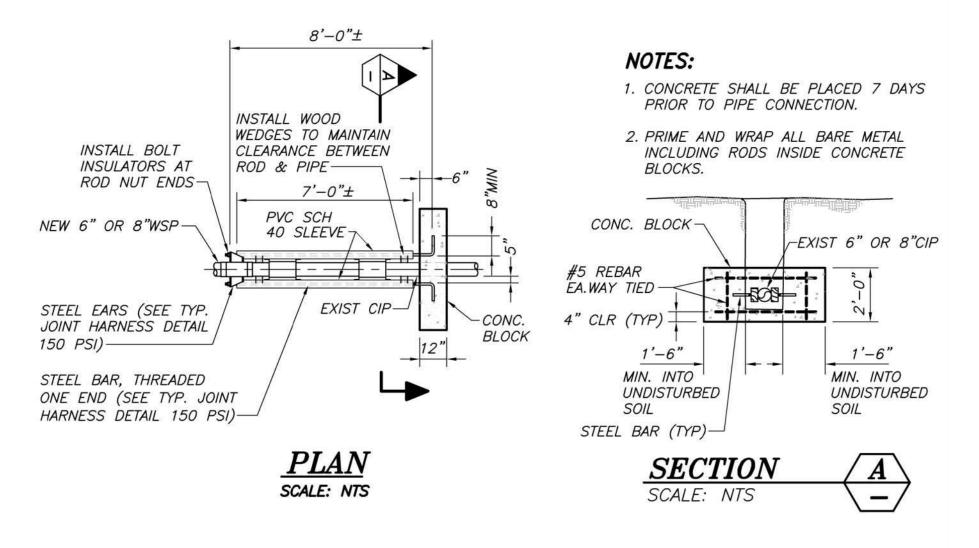
EMERGENCY PUMPING CONNECTION W/O CURB & GUTTER

| NO SCALE FILE NO. | SD0059 | APPROV. BY: | RKT | REV. DATE: MAY '03 |
|-------------------|--------|-------------|-----|--------------------|
|-------------------|--------|-------------|-----|--------------------|



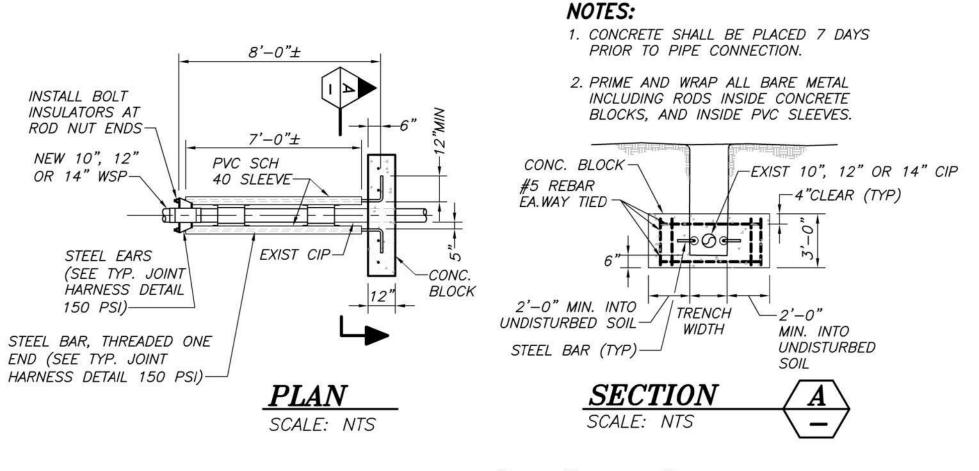
JOINT RESTRAINT ASSEMBLY

| N.T.S. | FILE NO. SD0060 | APPROV. BY: EA | REV. DATE: JUL '17 |
|--------|-----------------|----------------|--------------------|
|--------|-----------------|----------------|--------------------|



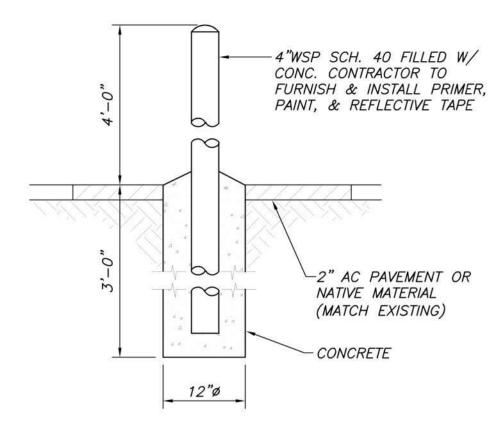
CONCRETE ANCHOR BLOCK 6" & 8" CONNECTIONS

NO SCALE FILE NO. SD0061 APPROV. BY: RKT REV. DATE: DEC '97



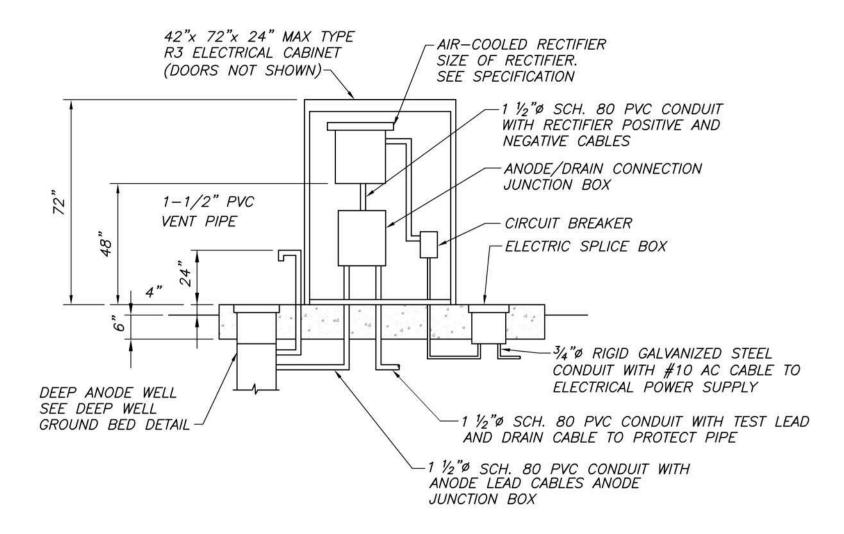
CONCRETE ANCHOR BLOCK 10", 12" & 14" CONNECTIONS

| NO SCALE | FILE NO. SD0062 | APPROV. BY: EA | REV. DATE: JUL '17 |
|----------|-----------------|----------------|--------------------|
|----------|-----------------|----------------|--------------------|



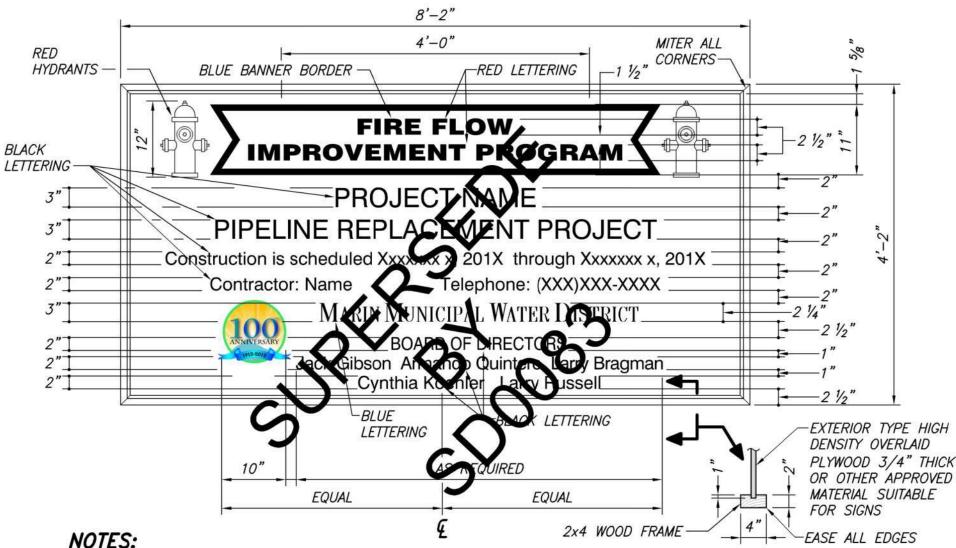
- PRIMER: 1. COAT ALKYD RUST INHIBITING PRIMER SHERWIN WILLIAMS KEM-KROMIK UNIVERSAL METAL PRIMER OR APPROVED EQUAL.
- PAINT: 2. COATS HIGH GLOSS EXTERIOR LATEX ENAMEL SHERWIN WILLIAMS DTM ACRYLIC COATING OR APPROVED EQUAL. FINISH COLOR SHALL BE DETERMINED BY THE ENGINEER.
- REFLECTIVE TAPE: APPLY TWO ROUNDS OF TWO INCH WIDE REFLECTIVE TAPE. THE FIRST ROUND SHALL BE PLACED TWO INCHES FROM TOP EDGE OF THE STEEL PIPE. SPACING BETWEEN ROUNDS SHALL BE TWO INCHES. REFLECTIVE TAPE SHALL BE RATED AS REFLECTIVITY 1 ACCORDING TO FEDERAL SPECIFICATION L-S-300C AND SHALL MEET OSHA SPCIFICATIONS [1910.144(A)].

BOLLARD



RECTIFIER ANODE JUNCTION BOX INSTALLATION

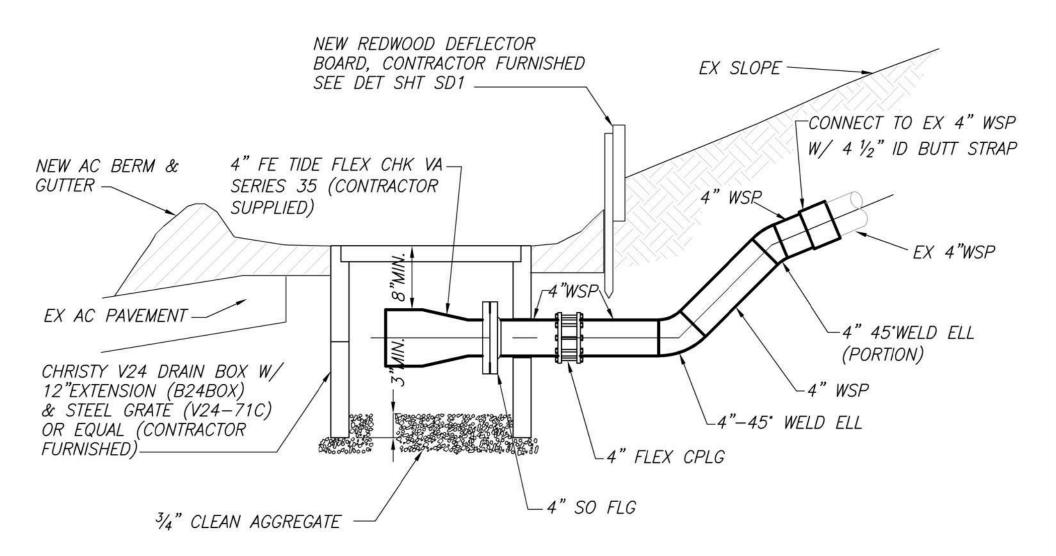
| NO SCALE FILE NO. SDOO64 | APPROV. BY: RKT | REV. DATE: SEPT '97 |
|--------------------------|-----------------|---------------------|
|--------------------------|-----------------|---------------------|



- - 1. CENTER ALL TEXT WITHIN FIELD OF SIGN UNLESS TOHERWISE NOTED.
 - 2. BACKGROUND AND ALL OTHER SIGN COMPONENTS SHALL BE PAINTED WHITE UNLESS OTHERWISE NOTED
 - 3. PROVIDE ADEQUATE SUPPORTS FOR SIGN AS SITE CONDITIONS MAY REQUIRE. KEEP SIGN A PROPER DISTANCE ABOVE PREVAILING GRADE TO PERMIT PUBLIC VIEWING.
 - 4. THE CONTRACTOR SHALL PROVIDE & ERECT THE PROJECT SIGN CONFORMING TO THESE DETAILS. AND AT THE LOCATION SHOWN ON THE CONTRACT DRAWINGS. THE CONTRACTOR SHALL SUBMIT FINAL SIGN LAYOUT TO THE ENGINEER PRIOR TO FABRICATION.

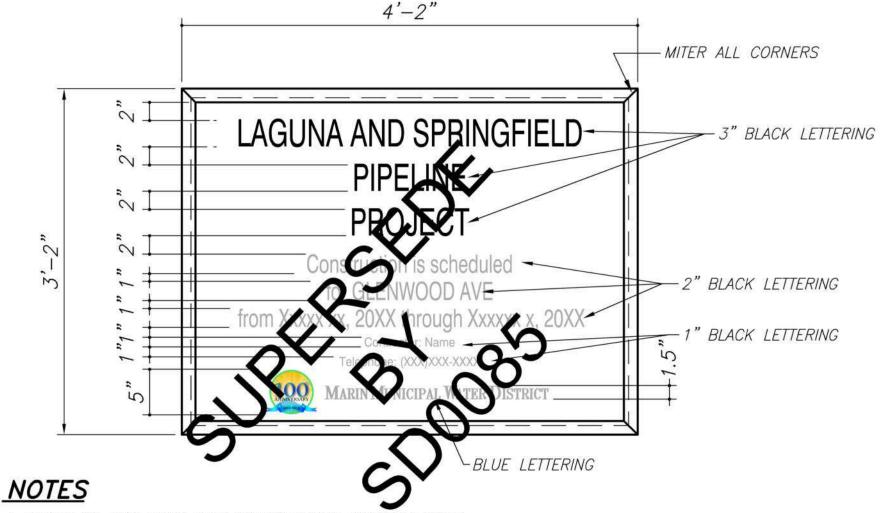
PROJECT SIGN

| SCALE: NTS | FILE NO. SD0066 | APPROV. BY: MB | REV. DATE: FEB. '16 |
|---------------------------------|--|---|--|
| 2 De 10 DE 10 10 00 00 00 00 00 | I TANK WATER CONTROL HAR DEPENDENCE OF THE | AND FOR AN AN AND STOCKED AND ADDRESS OF ANY ADDRESS OF | ANALY STOCK PROVIDENCES CALENDER AND |



TIDE FLEX CHECK VALVE

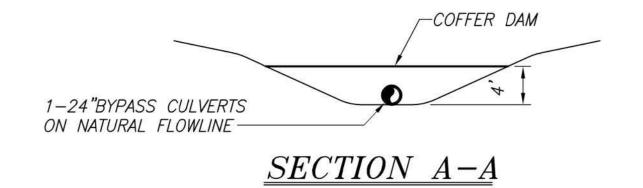
| N.T.S FILE NO. SD0067 | APPROV. BY: RKT | REV. DATE: JAN '98 |
|-----------------------|-----------------|--------------------|
|-----------------------|-----------------|--------------------|

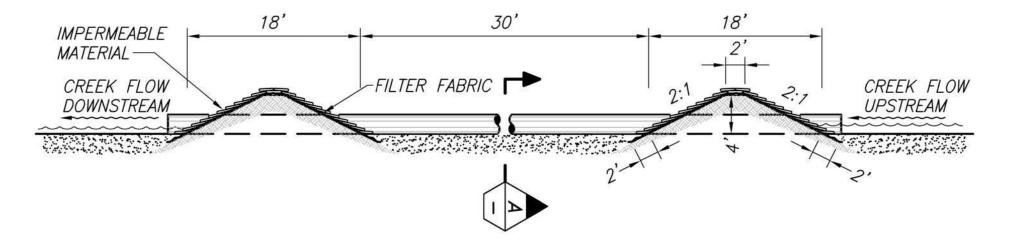


- 1. CENTER ALL TEXT WITHIN FIELD OF SIGN UNLESS OTHERWISE NOTED.
- 2. BACKGROUND AND ALL OTHER SIGN COMPONENTS SHALL BE PAINTED WHITE UNLESS OTHERWISE NOTED.
- 3. PROVIDE ADEQUATE SUPPORTS FOR SIGN AS SITE CONDITIONS MAY REQUIRE. KEEP SIGN A PROPER DISTANCE ABOVE PREVAILING GRADE TO PERMIT PUBLIC VIEWING.
- 4. THE CONTRACTOR SHALL PROVIDE & ERECT THE PROJECT SIGN CONFORMING TO THESE DETAILS & AT THE LOCATION SHOWN ON THE CONTRACT DRAWINGS. THE CONTRACTOR SHALL SUBMIT FINAL SIGN LAYOUT TO THE ENGINEER PRIOR TO FABRICATION.

PROJECT SIGN

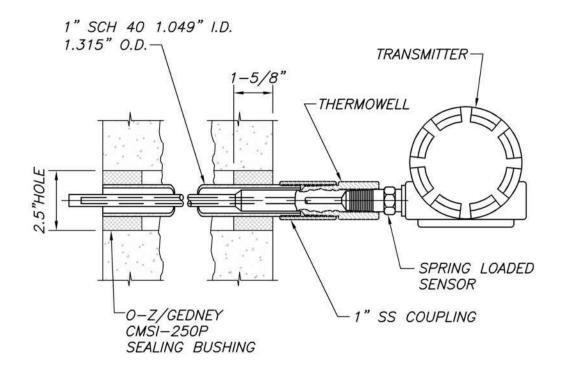
| SCALE: NTS FILE NO. SD0068 | APPROV. BY: MB | REV. DATE: FEB. '13 |
|----------------------------|----------------|---------------------|
|----------------------------|----------------|---------------------|





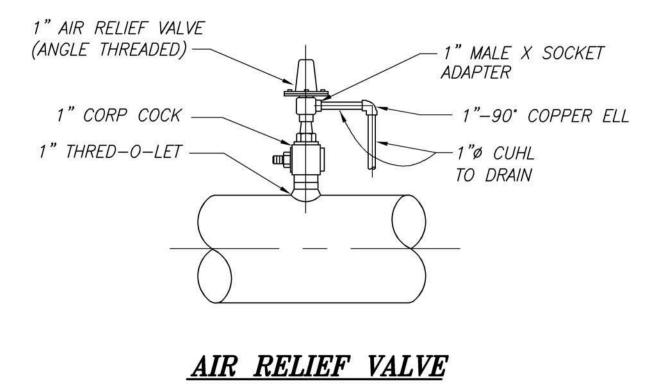
TEMPORARY DIVERSION / SEDIMENT DAMS & CULVERTS

| SCALE: NTS | FILE NO. SD0069 | APPROV. BY: RKT | REV. DATE: MAY '95 |
|------------|-----------------|-----------------|--------------------|
|------------|-----------------|-----------------|--------------------|

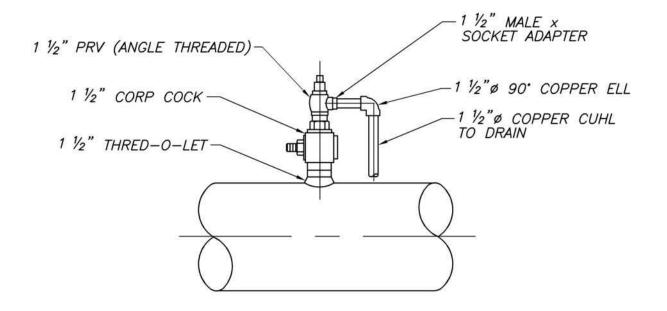


TEMPERATURE TRANSMITTER

| SCALE: NTS | FILE NO. SD0070 | APPROV. BY: RKT | REV. DATE: JUN '99 |
|------------|-----------------|-----------------|--------------------|
|------------|-----------------|-----------------|--------------------|

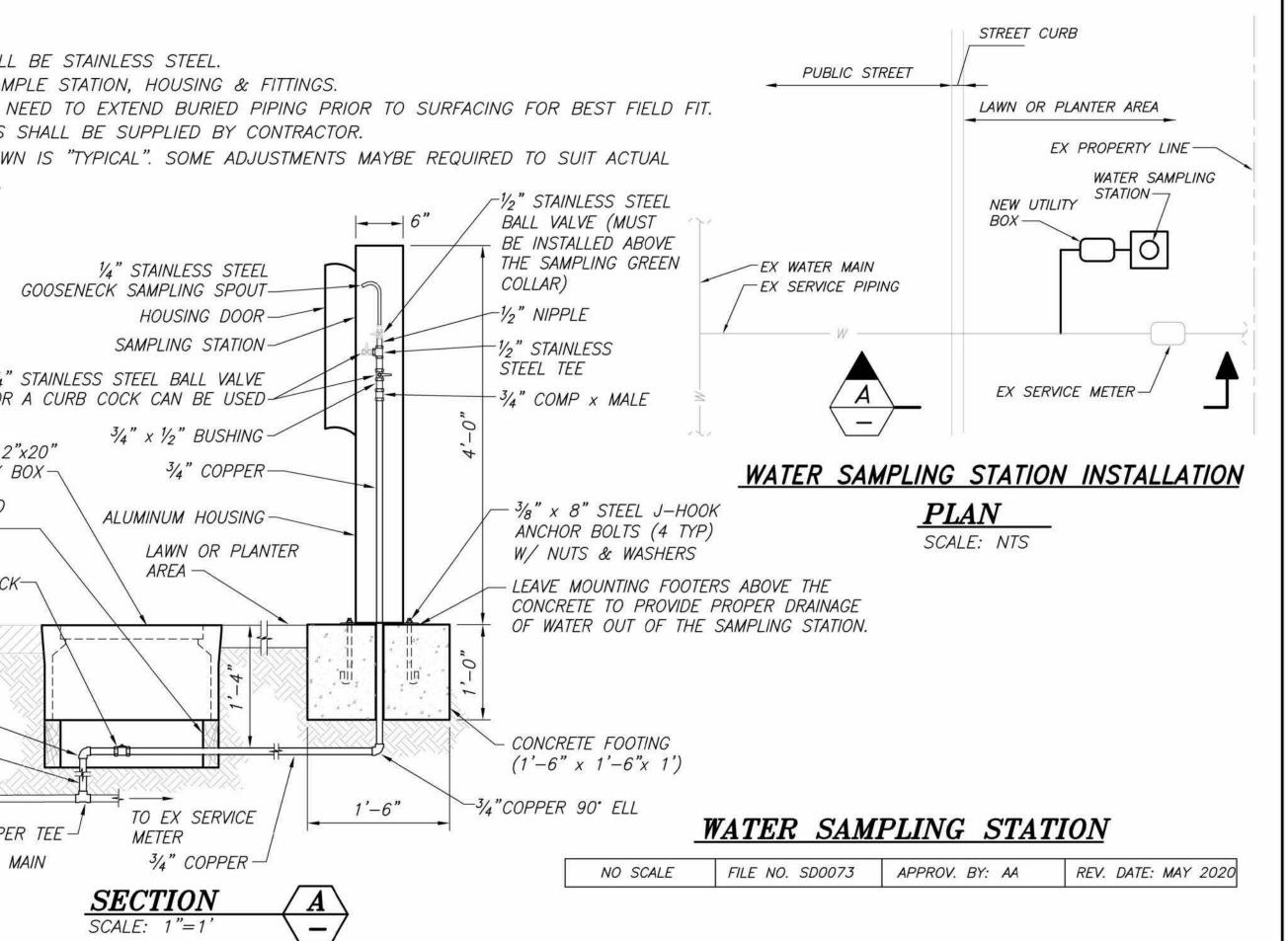


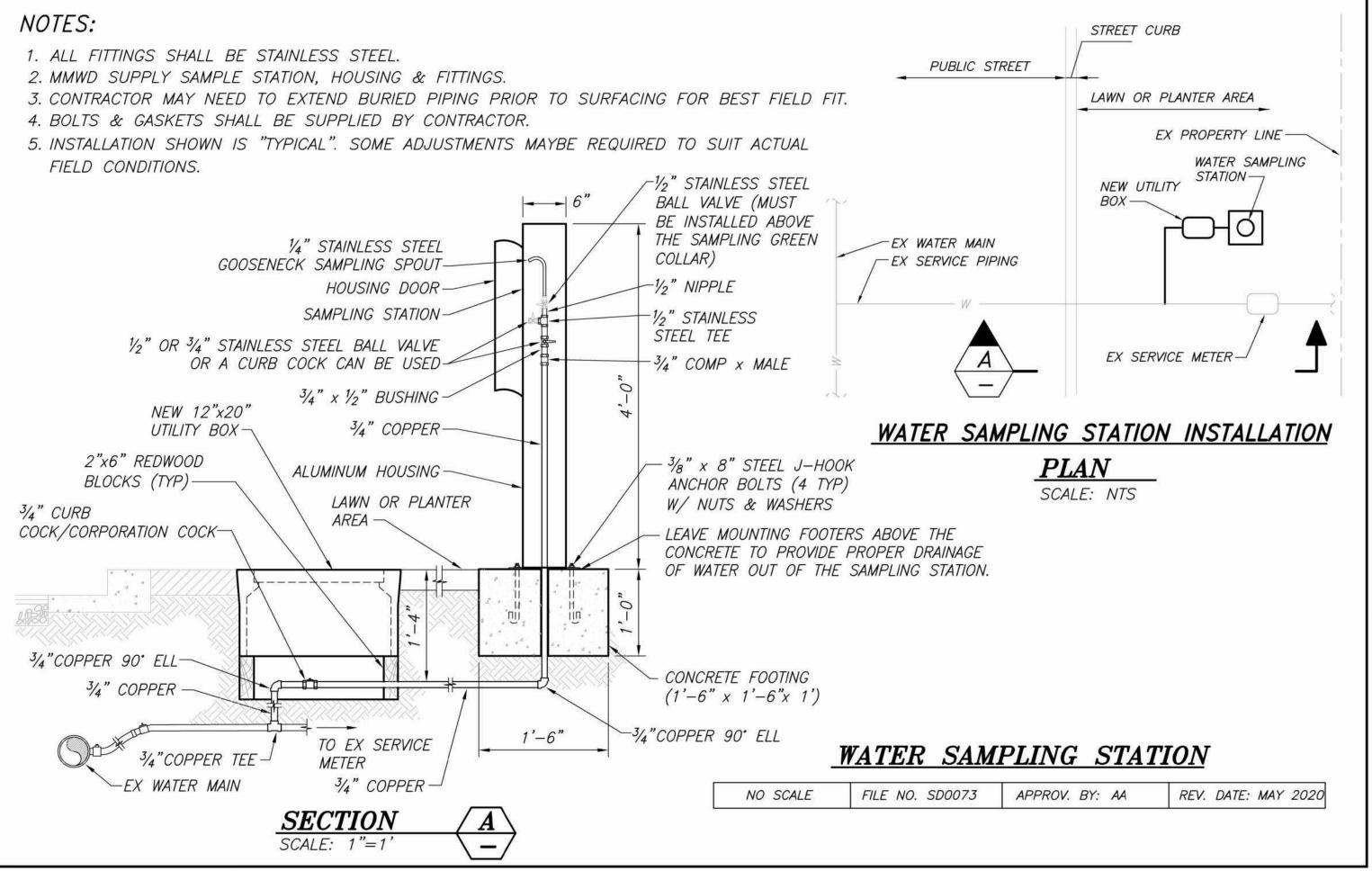
| SCALE: NTS | FILE NO. SD0071 | APPROV. BY: RKT | REV. DATE: APR '95 |
|------------|-----------------|-----------------|--------------------|

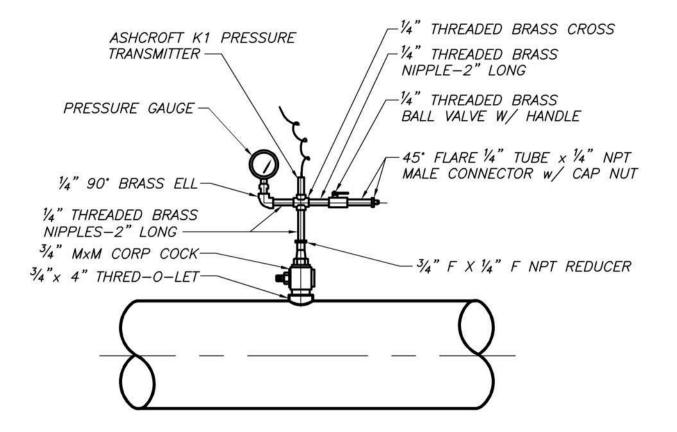


PRESSURE RELIEF VALVE

| SCALE:NTS FIL | E NO. SD0072 | APPROV. BY: | RKT | REV. DATE: APR | '95 |
|---------------|--------------|-------------|-----|----------------|-----|
|---------------|--------------|-------------|-----|----------------|-----|

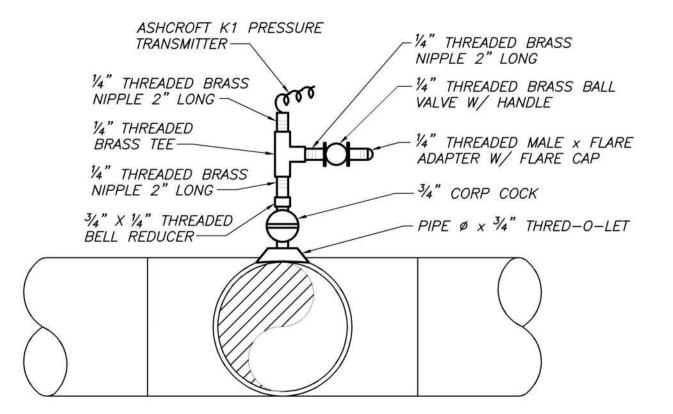






PRESSURE TRANSMITTER ASSEMBLY

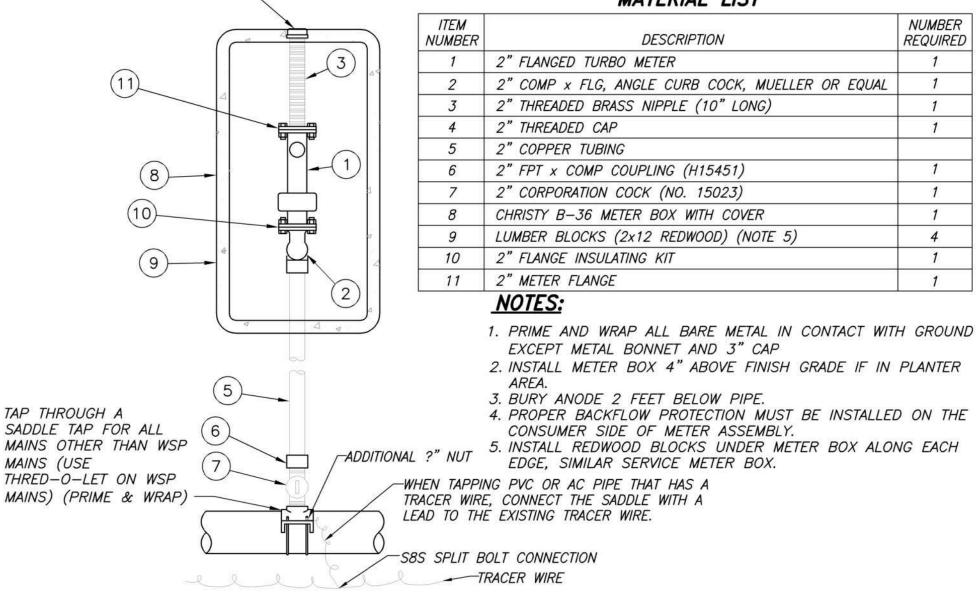
| SCALE:NTS | FILE NO. SD0075 | APPROV. BY: RKT | REV. DATE: MAY '96 |
|-----------|-----------------|-----------------|--------------------|
|-----------|-----------------|-----------------|--------------------|



PRESSURE TRANSMITTER

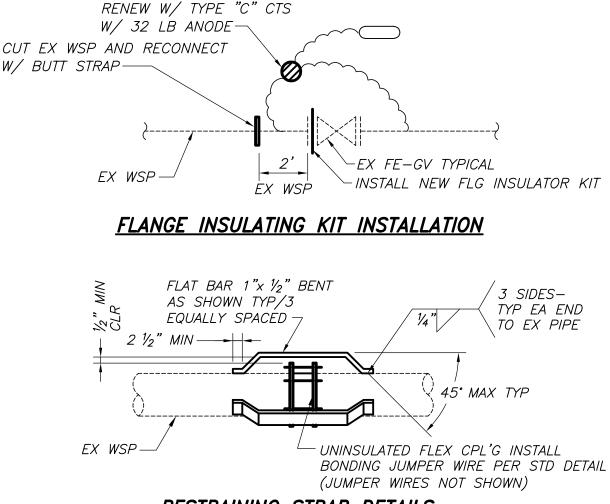
| SCALE:NTS FILE NO. SD0076 | APPROV. BY: RKT | REV. DATE: MAY '95 |
|---------------------------|-----------------|--------------------|
|---------------------------|-----------------|--------------------|

MATERIAL LIST



<u>2" IRRIGATION METER</u>

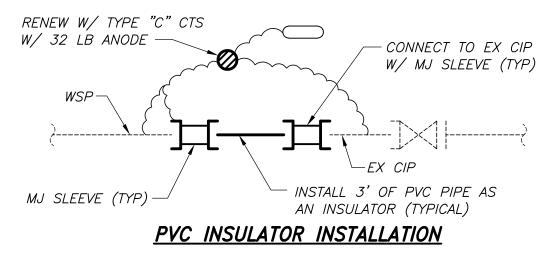
| NO SCALE | FILE NO. SD0078 | APPROV. BY: JM | REV. DATE: MAY '08 |
|----------|-----------------|----------------|--------------------|
|----------|-----------------|----------------|--------------------|



RESTRAINING STRAP DETAILS

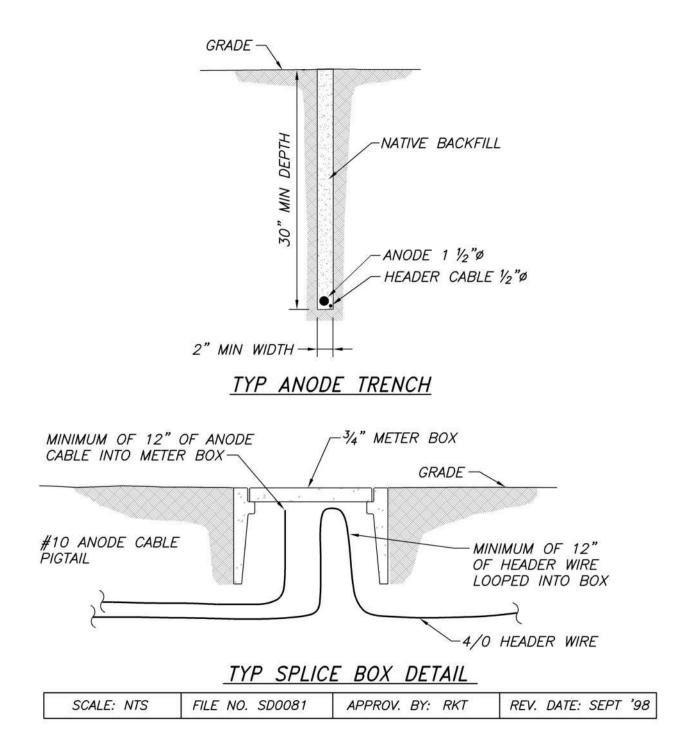
NOTE:

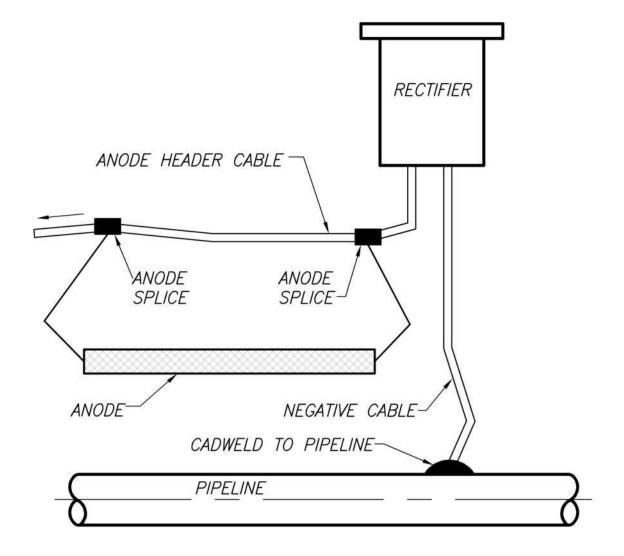
WHEN CONNECTING TO CIP, DO NOT BOND MJ COUPLING TO #8 WIRE. WHEN CONNECTING TO WSP BOND MJ COUPLING TO #8 WIRE. WHEN CONNECTING TO ACP/PVC BOND MJ COUPLING TO TRACER WIRE.



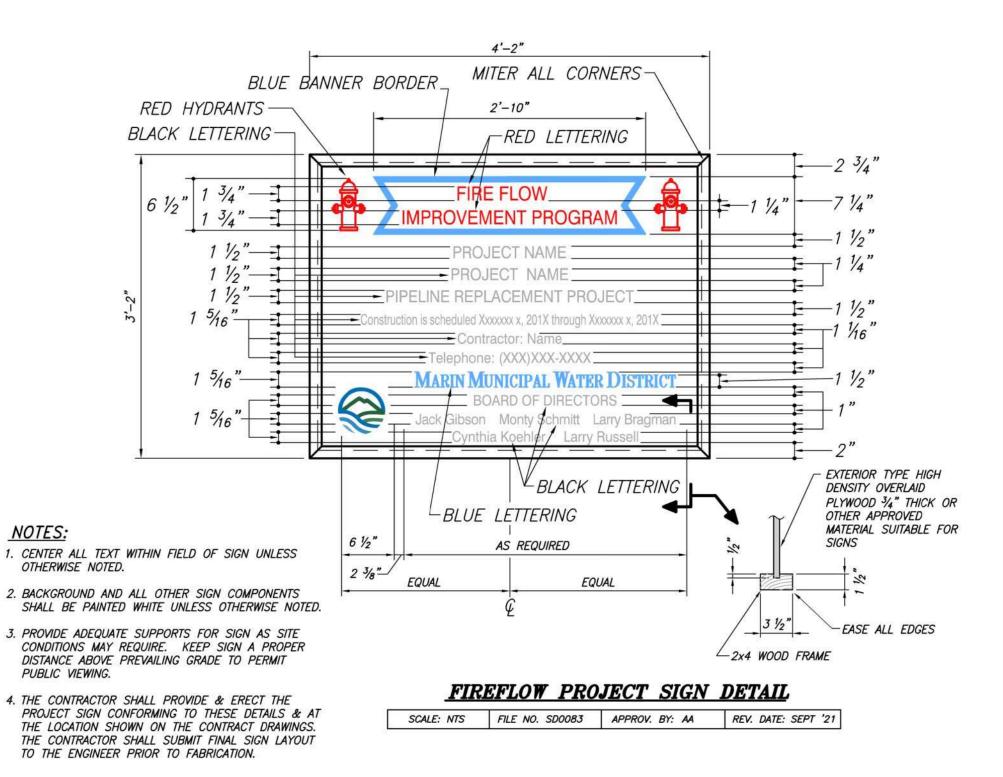
| INSULATING DETAILS WI | ITH HARNESS |
|-----------------------|-------------|
|-----------------------|-------------|

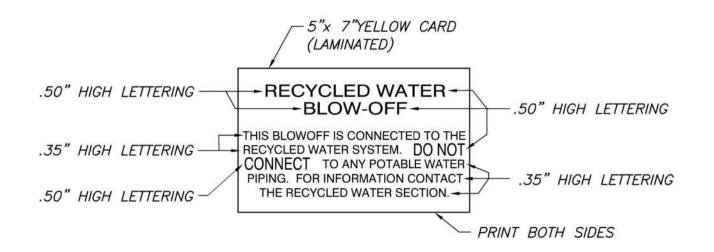
| NO SCALE | FILE NO. SD0080 | APPROV. BY: El | REV. DATE: FEB '19 |
|----------|-----------------|----------------|--------------------|
|----------|-----------------|----------------|--------------------|





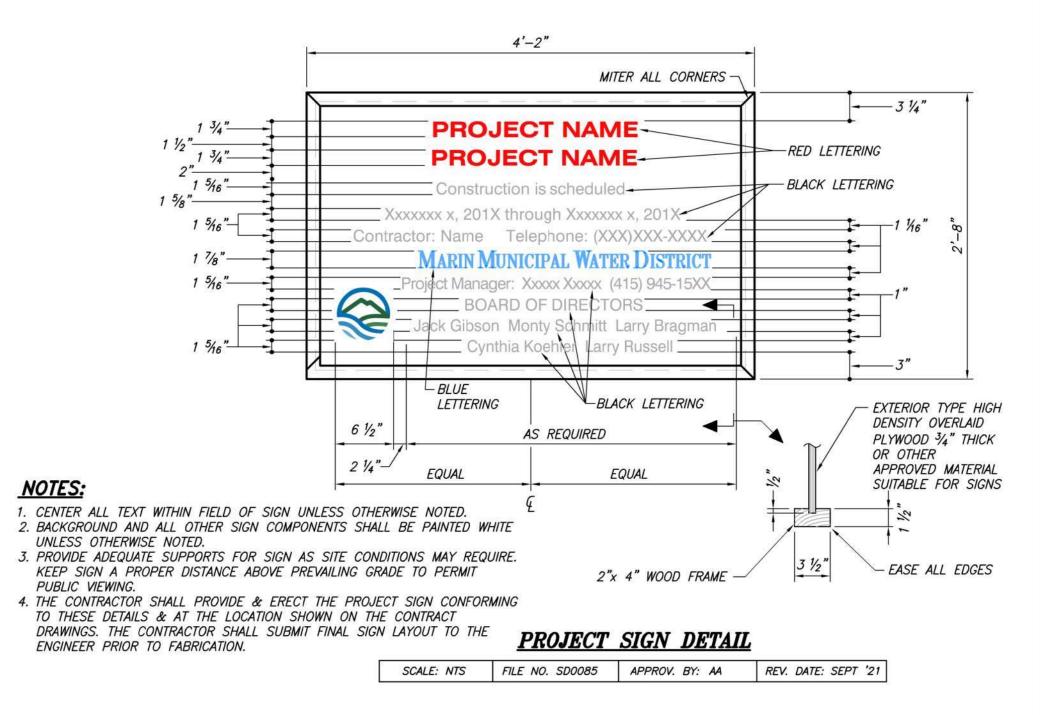
RECTIFIER INSTALLATION FOR PIPELINE

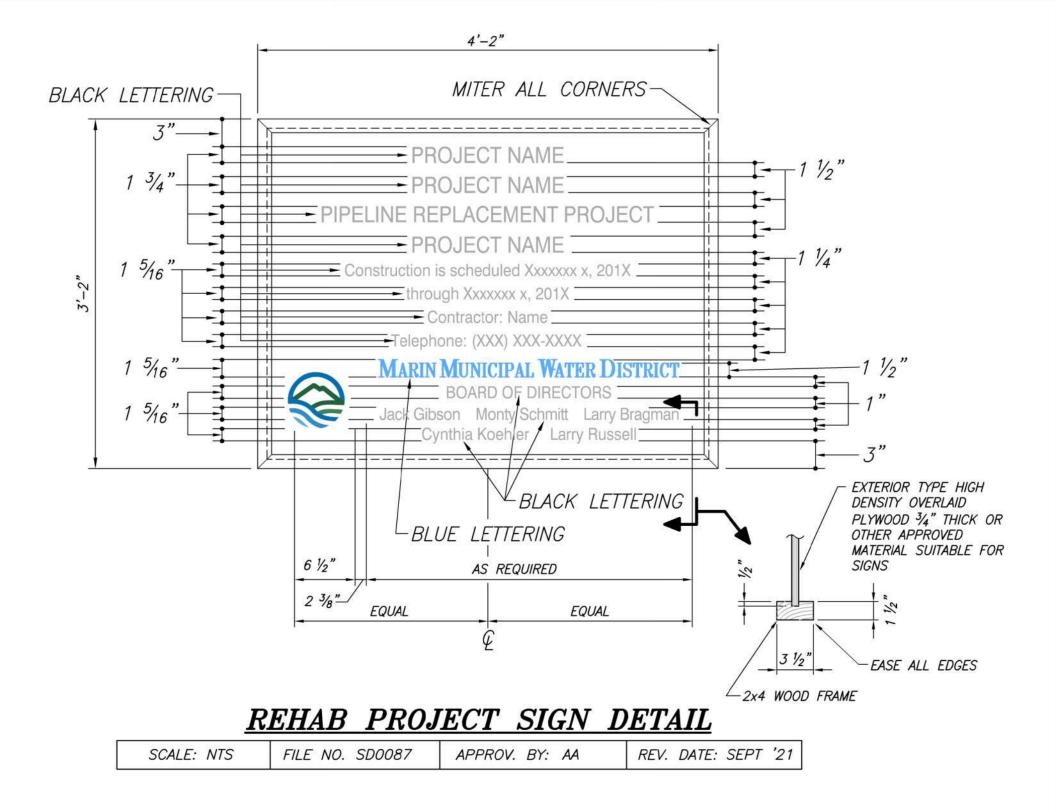


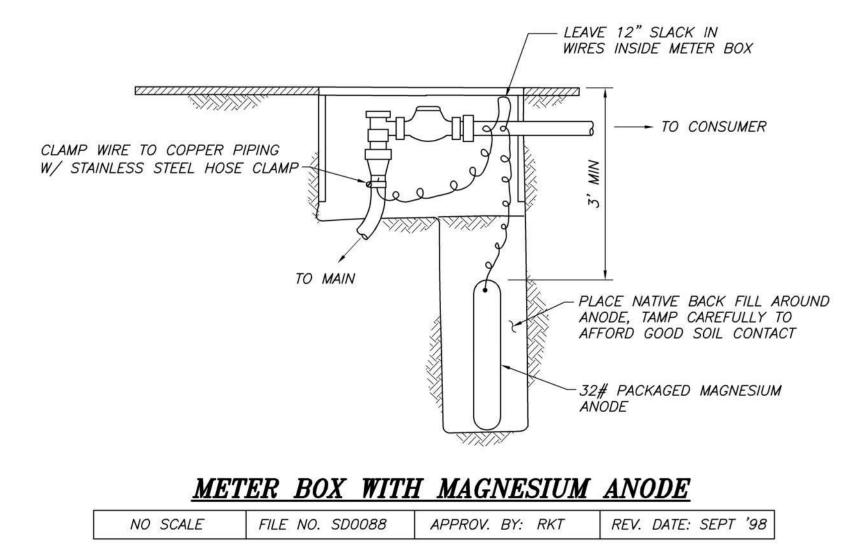


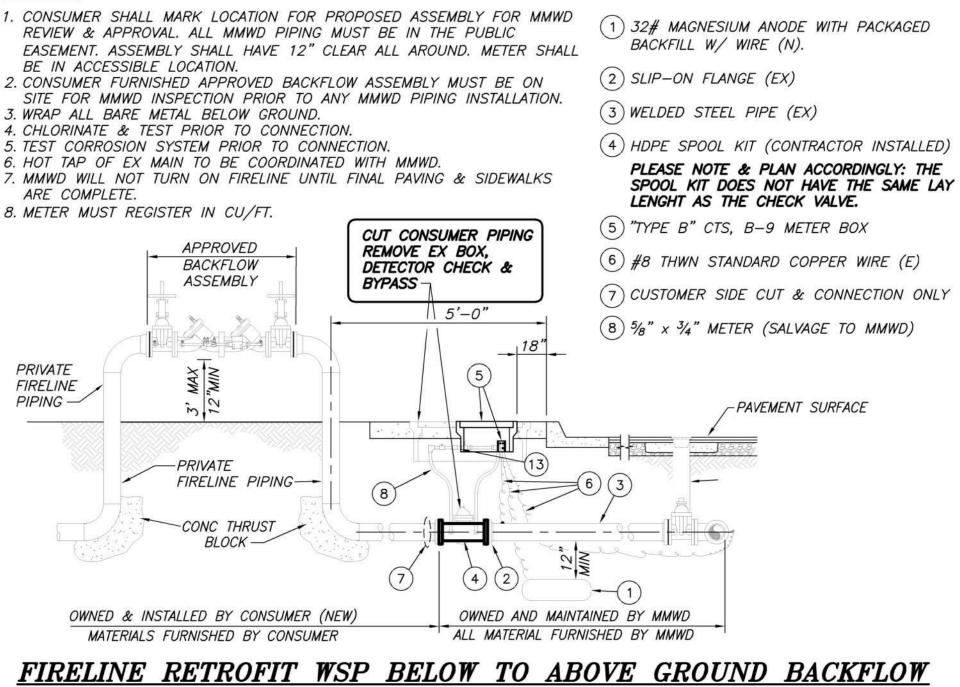
I.D. TAG DETAIL

| NO SCALE | FILE NO. SD0084 | APPROV. BY: KF | REV. DATE: FEB '10 |
|----------|-----------------|----------------|--------------------|
|----------|-----------------|----------------|--------------------|

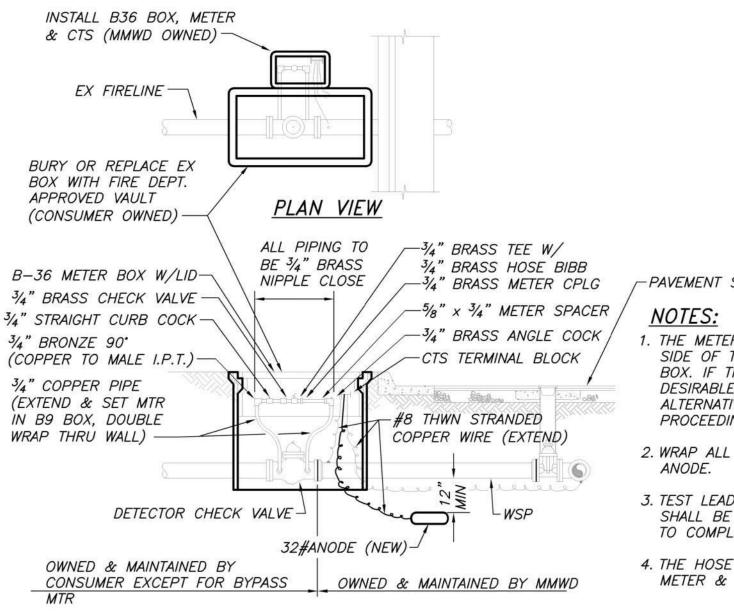








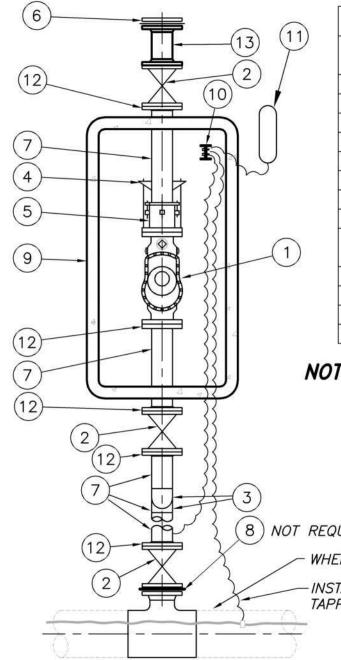
| NO SCALE | FILE NO. SDO089 | APPROV. BY: DS | REV. DATE: MAR '19 |
|----------|-----------------|--|--------------------|
| | | the state of the s | |



PAVEMENT SURFACE

- 1. THE METER BOX IS TO BE LOCATED TO SIDE OF THE DETECTOR CHECK VALVE BOX. IF THIS IS NOT POSSIBLE OR DESIRABLE, HAVE MMWD APPROVE ALTERNATIVE LOCATION BEFORE PROCEEDING.
- 2. WRAP ALL BARE METAL. INSTALL NEW
- 3. TEST LEADS AND INSULATING FITTINGS SHALL BE INSPECTED AND TESTED PRIOR TO COMPLETION.
- 4. THE HOSE BIB IS TO ALLOW TESTING OF METER & TESTING OF THE CHECK VALVES.





| | MATERIAL LIST | | | | |
|------------|--|-----------------|--|--|--|
| ITEM NO | DESCRIPTION | NO. REQUIRED | | | |
| 1 | 4" FLANGED COMPOUND METER | 1 | | | |
| 2 | 4" FLANGED GATE VALVE | 3 | | | |
| 3 | 4" 90° WELD ELL | 2 | | | |
| 4 | HARNESS (2 RODS & 2 EARS–SEE DETAIL SD0014) | 1 | | | |
| 5 | 4" FLANGE COUPLING ADAPTER | 1 | | | |
| 6 | 4" BLIND FLG | 1 | | | |
| 7 | 4" WELDED STEEL PIPE | | | | |
| 8 | 4" FLANGE INSULATING KIT | 1 | | | |
| 9 | CHRISTY B-52 METER BOX AND B52-62G STEEL COVER (SET ON REDWOOD BLOCK) | 1 | | | |
| 10 | TYPE "B" CTS IN METER BOX | 1 | | | |
| 11 | 32# PACKAGED ANODE | 1 | | | |
| 12 | 4" SLIP-ON FLANGE | 5 | | | |
| 13 | HDPE SPOOL KIT | 1 | | | |

- 1. PRIME AND WRAP ALL BARE METAL IN CONTACT WITH GROUND EXCEPT METAL BONNET AND 4" BLIND FLG.
- 2. INSTALL METER BOX 4" ABOVE FINISH GRADE IF IN PLANTER AREA.

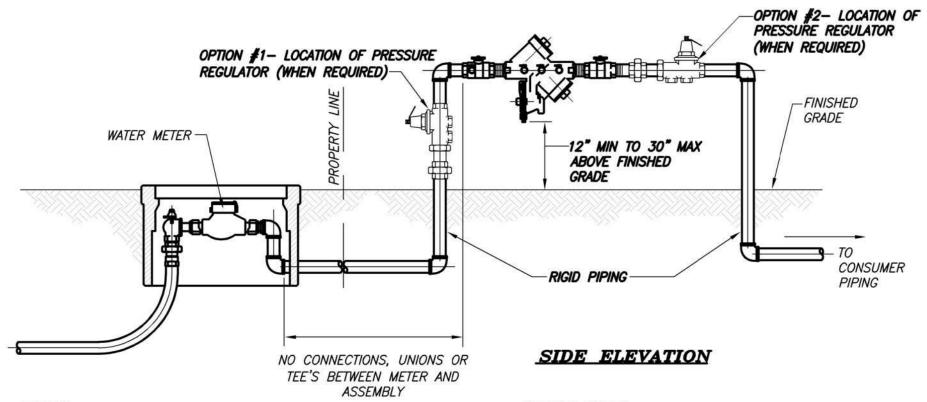
NOT REQUIRED FOR AC OR PVC MAINS. FOR WSP, VERIFY WITH CORROSION DEPT.

WHEN TAPPING PVC, AC OR CI PIPE, USE TEE OR TAPPING SLEEVE.

INSTALL TEST LEAD & CONNECT TO TRACER WIRE WITH SPLIT BOLT WHEN TAPPING AC OR PVC PIPE.

4" TURBINE METER

| NO SCALE | FILE NO. SD0091 | APPROV. BY: EI | REV. DATE: FEB '19 |
|----------|-----------------|----------------|--------------------|
|----------|-----------------|----------------|--------------------|



- 1. Backflow prevention assemblies shall be only those approved by the District.
- 2. Any deviation from the methods described herein must receive approval prior to installation.
- Backflow prevention assemblies shall be installed on the customer's property, at the meter, n an orientation shown on the MMWD Approved Assembly List with 12 inches clearance completely around the assembly to allow for testing and maintenance.

No outlets, tees, taps, by-passes other connections, temporary or permanent shall be installed between the water meter and the backflow prevention assembly. Wye strainer with plugged tap (no method to flush allowed), pressure reducing valve and union may be installed before the backflow prevention assembly. All other appurtenances shall be installed downstream.

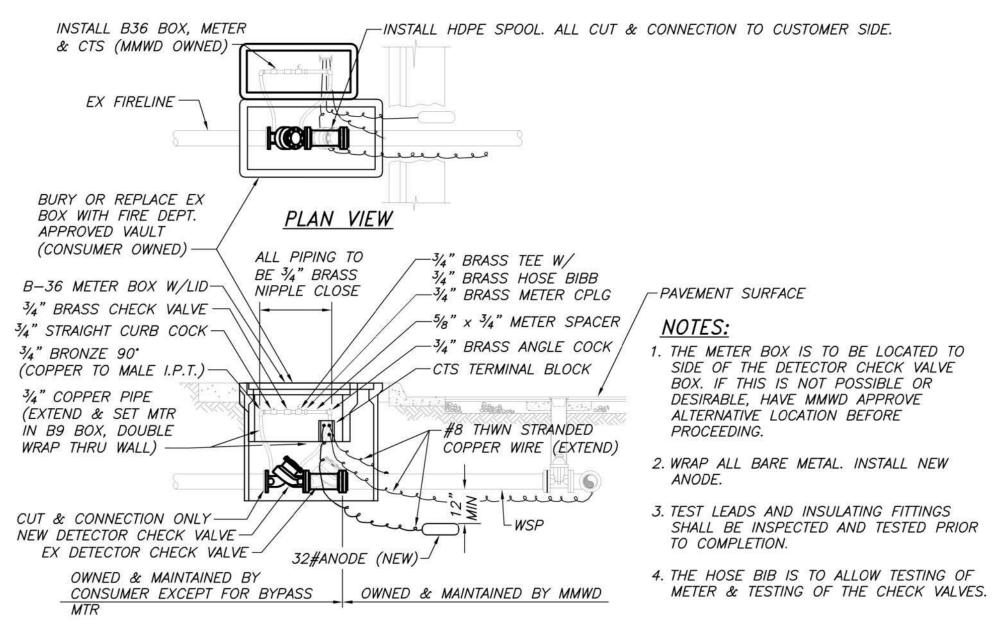
4. Alternate installation locations or arrangements shall be reviewed and approved by the District prior to installation.

SPECIAL NOTES:

- Installation of a backflow prevention assemblies creates a closed water system. Thermal expansion protection is required by the California Plumbing Code.
- 2. Where necessary the backflow prevention assembly should be protected from vehicle or freeze damage.
- 3. Water services which cannot be turned off for short durations should have backflow prevention assemblies installed in parallel.
- Please see the California Plumbing Code for other aspects of installation requirements.

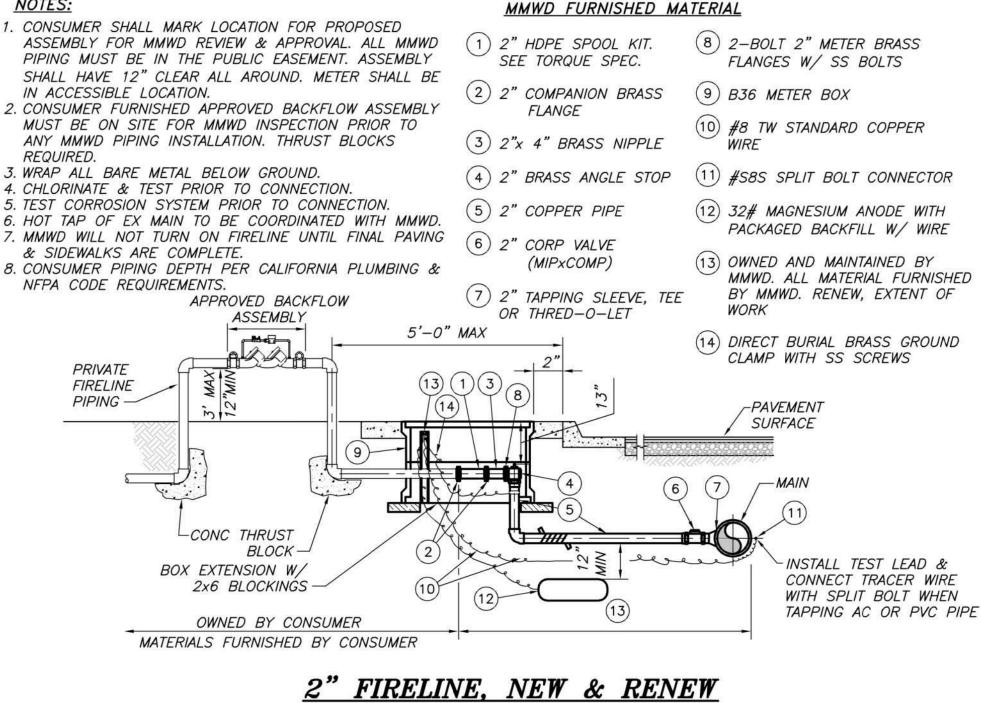
BACKFLOW ASSEMBLY STANDARD INSTALLATION DIAGRAM

| NO SCALE FILE NO. SD0092 APPROV. BY: DS REV. DATE: AP | ? '12 |
|---|-------|
|---|-------|



FIRELINE, INSPECTION & INSULATION RETROFIT

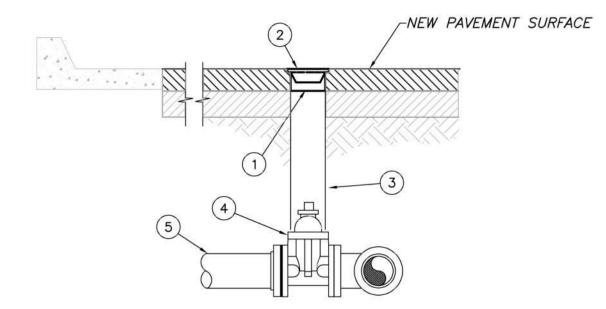
NO SCALE FILE NO. SD0093 APPROV. BY: EI REV. DATE: FEB '18



| NO SCALE | FILE NO. SD0094 | APPROV. BY: GA | REV. DATE: OCT '20 |
|----------|-----------------|----------------|--------------------|
|----------|-----------------|----------------|--------------------|

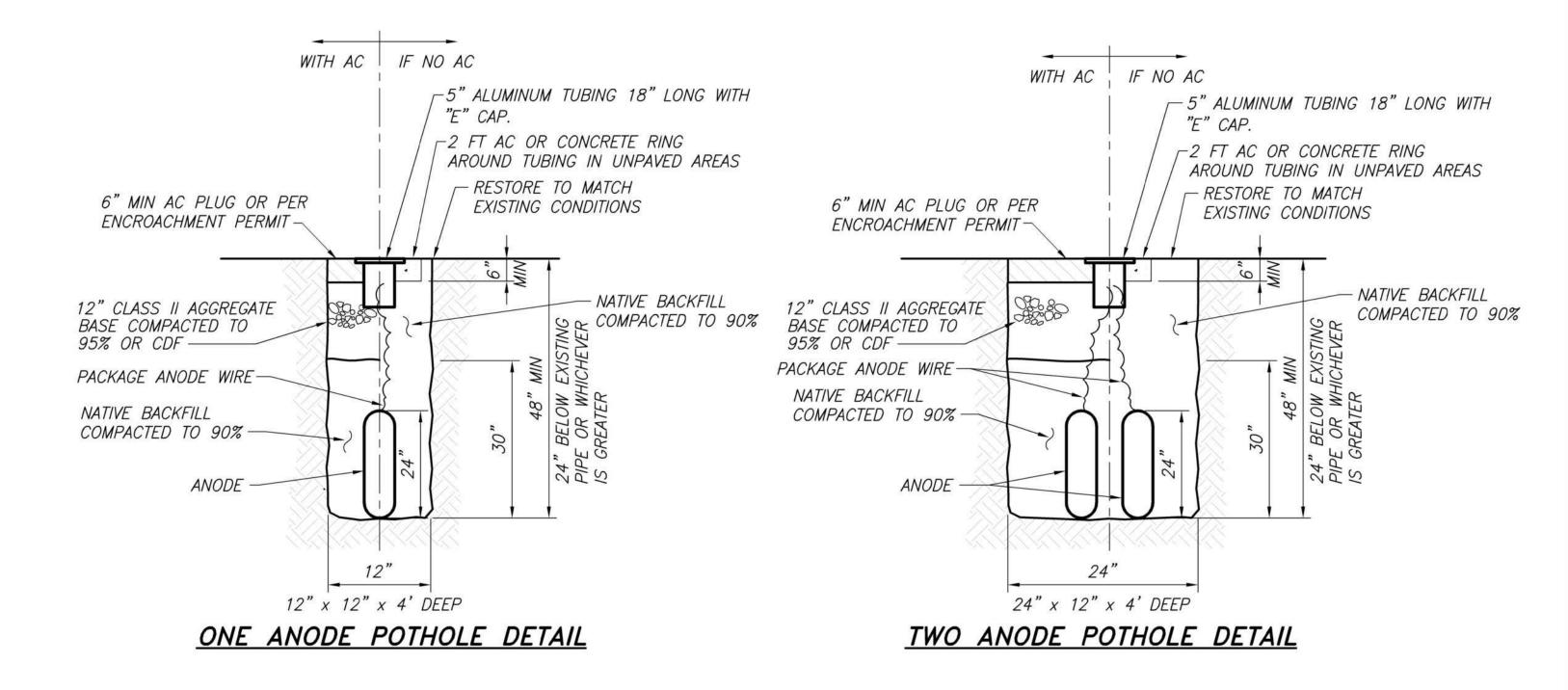
MMWD FURNISHED MATERIAL

- 1) NEW 5"Ø ALUMINUM TUBING VALVE CAP RISER PLACEMENT
- 2) VALVE CAP
- 3) EXISTING 5"ØALUMINUM TUBING
- 4) GATE VALVE
- 5) EXISTING WATER PIPE



NEW 5"ø ALUMINUM TUBING VALVE CAP RISER

| NO SCALE FILE N | 0. SD0095 | APPROV. BY: | El | REV. DATE: JAN '18 |
|-----------------|-----------|-------------|----|--------------------|
|-----------------|-----------|-------------|----|--------------------|



| ANODE POTHOLE DETAILS | | | | | | |
|-----------------------|-----------------|----------------|--------------------|--|--|--|
| NO SCALE | FILE NO. SD0096 | APPROV. BY: GA | REV. DATE: MAY '18 | | | |