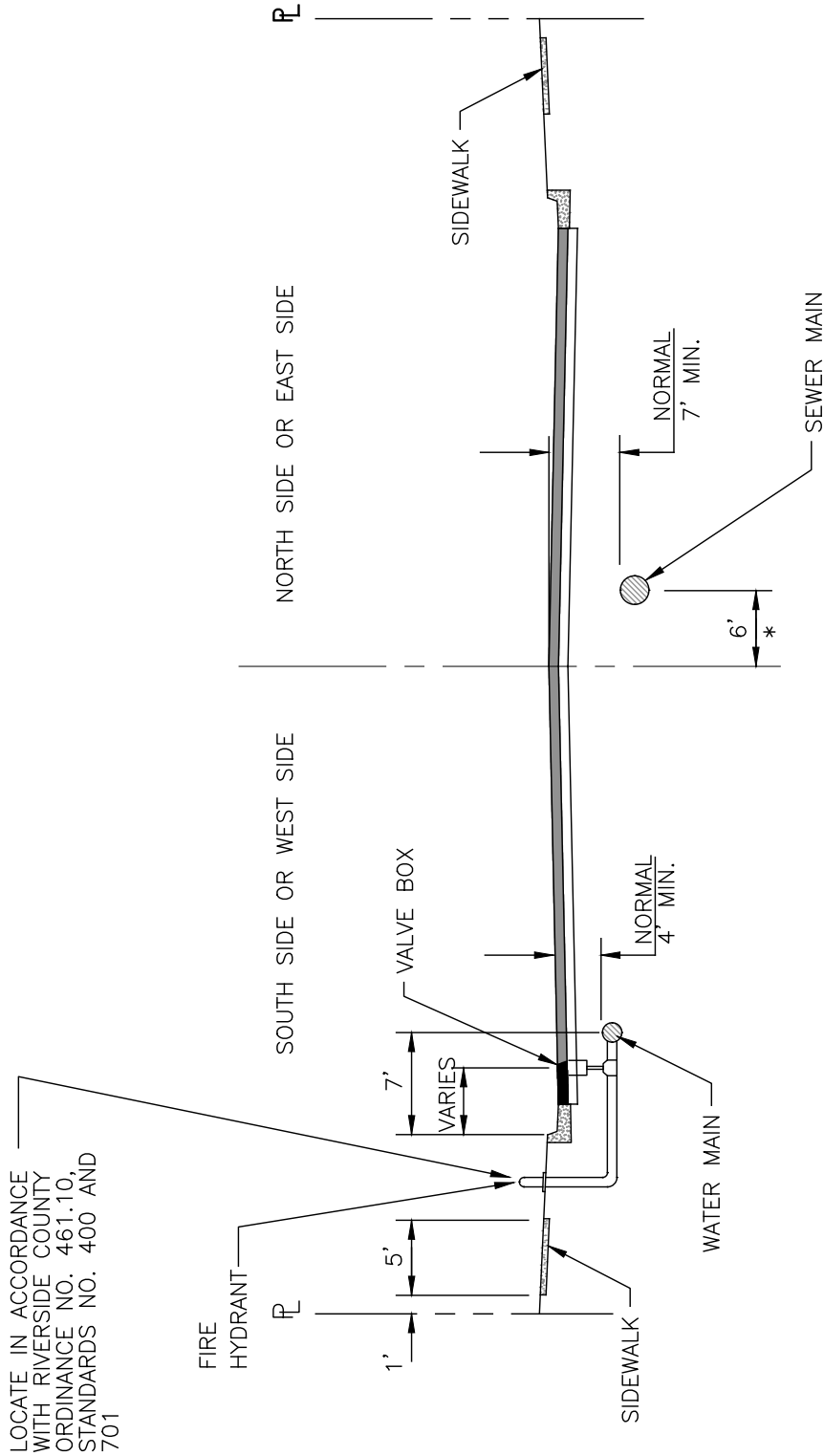


| SYMBOL FOR: | EXISTING | PROPOSED |
|---|----------|----------|
| TEE | | |
| CROSS | | |
| 90° ELBOW | | |
| 45° ELBOW | | |
| REDUCER | | |
| RESILENT SEAT GATE VALVE (G.V.) | | |
| BUTTERFLY VALVE (B.F.V.) | | |
| STANDARD FIRE HYDRANT PER J.C.S.D. STD. NO. G-1 OR G-2 | | |
| "SUPER" FIRE HYDRANT PER J.C.S.D. STD. NO. G-1A OR G-2A | | |
| CAP | | |
| PLUG | | |
| WATER SERVICE PER STANDARD INDICATED | | |
| BLOW-OFF PER STANDARD INDICATED | | |
| AIR VALVE PER STANDARD INDICATED | | |
| SEWER MANHOLE | | |
| SEWER CLEANOUT | | |
| SEWER BACKWATER VALVE | | |
| WATER PIPELINE | — W — | |
| SEWER PIPELINE | — S — | |
| SEWER FORCE MAIN | — FM — | |
| GAS PIPELINE | — G — | N/A |
| UNDERGROUND TELEPHONE CABLE | — T — | N/A |
| STORM DRAIN PIPE | — SD — | N/A |
| UNDERGROUND TRAFFIC SIGNAL CABLE | — TS — | N/A |
| UNDERGROUND ELECTRIC CABLE | — E — | N/A |

JURUPA COMMUNITY SERVICES DISTRICT

| | | |
|---|----------------------------|-------------|
| SCALE: NONE | STANDARD SYMBOLS | DRAWING NO. |
| DATE: JANUARY 2026 | | AA-1 |
| APPROVED BY: | APPROVED BY: | |
| Jesse Pompa, Dir. Of Eng. & Wtr Resources | Matthew Abel, Dir. Of Ops. | |

REV.



LOCATE IN ACCORDANCE WITH RIVERSIDE COUNTY ORDINANCE NO. 461.10, STANDARDS NO. 400 AND 701

* EXCEPT IN DIVIDED ROADWAYS.

NOTE:

1. FOR COMMERCIAL SIDEWALKS WITH 6' SIDEWALK LOCATED AT CURB, FIRE HYDRANT SHALL BE 7.5 FEET BEHIND THE FLOWLINE AND WITH THE SIDEWALK LOCATED AT THE RIGHT-OF-WAY OR MEANDERING, FIRE HYDRANT SHALL BE 1.5 FEET BEHIND THE FLOWLINE PER RIVERSIDE COUNTY STANDARD NO. 701

JURUPA COMMUNITY SERVICES DISTRICT

SCALE: NONE

DATE: JANUARY 2026

STANDARD WATER/SEWER LOCATION

DRAWING NO.

AA-2

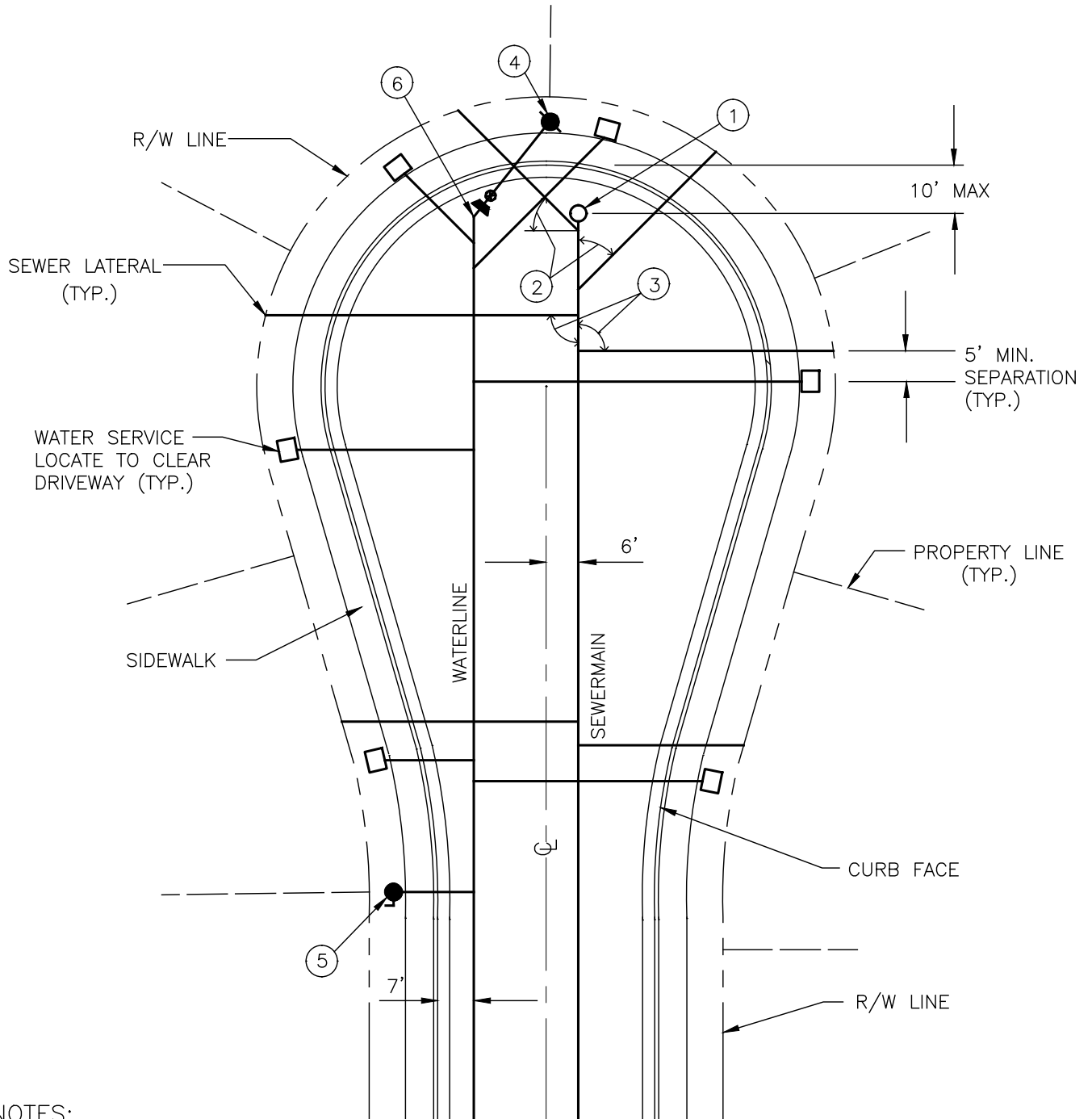
REV.

APPROVED BY:

Jesse Pompa, Dir. Of Eng. & Wtr Resources

APPROVED BY:

Matthew Abel, Dir. Of Ops.



NOTES:

- ① USE EJ COMPOSITE 3200 SERIES 4 LOCK TITUS TWIST LOCK COVER WHERE CUL-DE-SAC CREATES LOW POINT.
- ② 45° ANGLE ONLY IF NECESSARY TO SERVE REAR LOTS (WATER AND SEWER).
- ③ 90° ANGLE (STANDARD) (WATER AND SEWER).
- ④ END OF MAIN FIRE HYDRANT (TO SERVE AS A BLOW-OFF) LOCATE TO CLEAR DRIVEWAYS.
- ⑤ CREATE HIGH POINT (3' MIN. DEPTH OF COVER) AND LOCATE A.V. AT THIS LOCATION.
- ⑥ END OF WATERLINE (MAX. OF 4'+/- DEPTH OF COVER).

JURUPA COMMUNITY SERVICES DISTRICT

SCALE: NONE

DATE: JANUARY 2026

STANDARD CUL-DE-SAC WATER AND SEWER SERVICES

DRAWING NO.

AA-3

APPROVED BY:

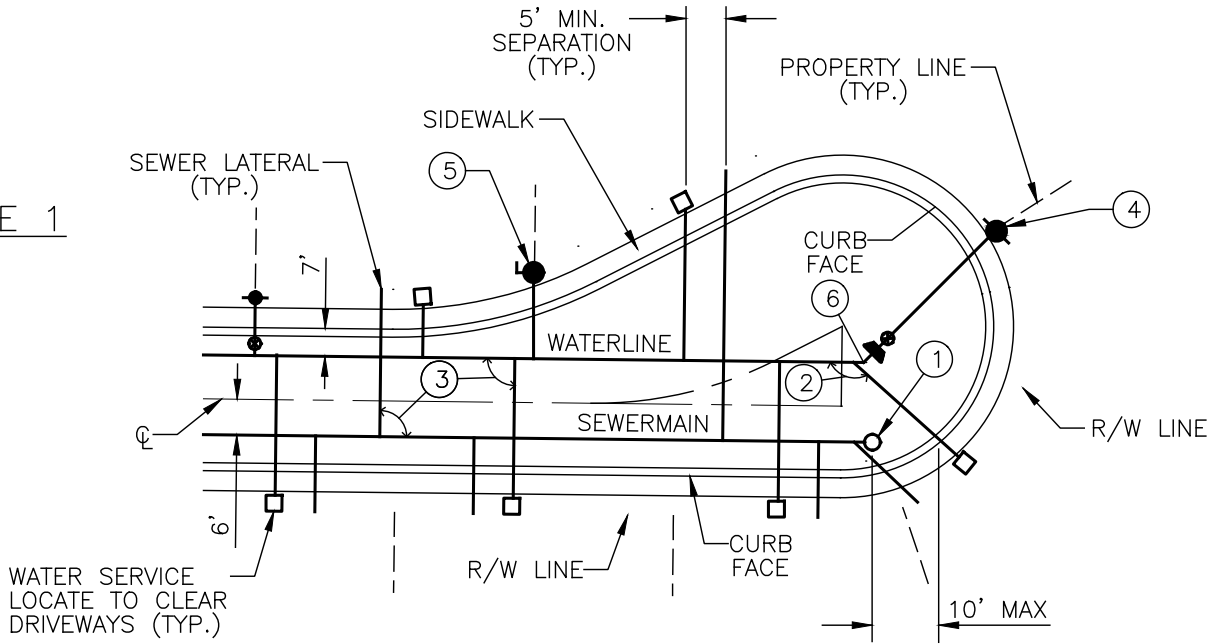
Jesse Pompa, Dir. Of Eng. & Wtr Resources

APPROVED BY:

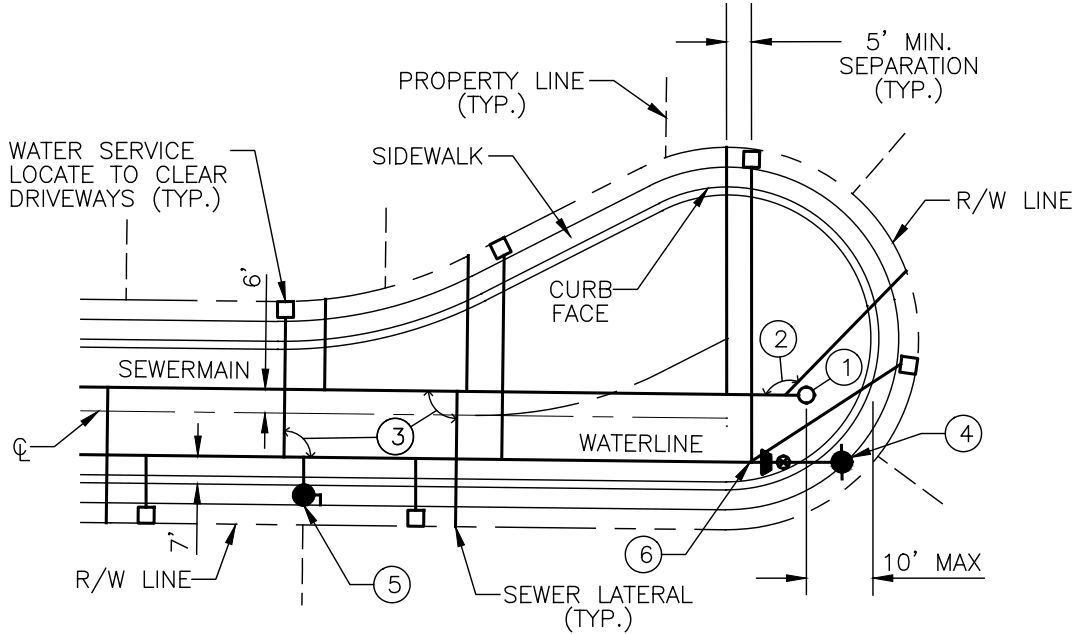
Matthew Abel, Dir. Of Ops.

REV.

CASE 1



CASE 2



NOTES:

- ① USE EJ COMPOSITE 3200 SERIES 4 LOCK TITUS TWIST LOCK COVER WHERE CUL-DE-SAC CREATES LOW POINT.
- ② 45° ANGLE ONLY IF NECESSARY TO SERVE REAR LOTS (WATER AND SEWER).
- ③ 90° ANGLE (STANDARD) (WATER AND SEWER).
- ④ END OF MAIN FIRE HYDRANT (TO SERVE AS A BLOW-OFF) LOCATE TO CLEAR DRIVEWAYS.
- ⑤ CREATE HIGH POINT (3' MIN. DEPTH OF COVER) AND LOCATE A.V. AT THIS LOCATION.
- ⑥ END OF WATERLINE (MAX. OF 4'+/- DEPTH OF COVER).

JURUPA COMMUNITY SERVICES DISTRICT

SCALE: NONE

DATE: JANUARY 2026

OFFSET CUL-DE-SAC WATER AND SEWER SERVICES

DRAWING NO.

AA-4

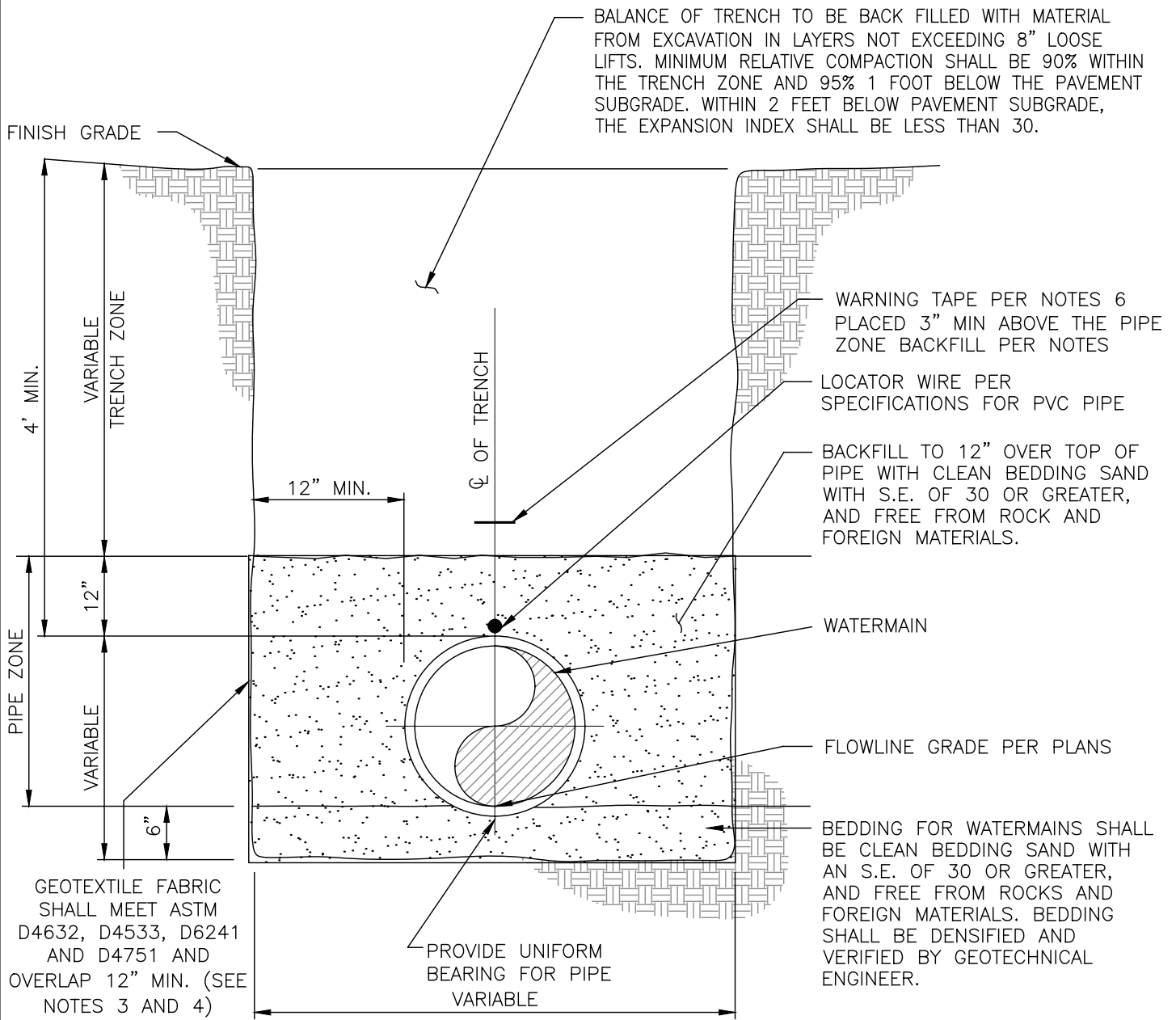
REV.

APPROVED BY:

Jesse Pompa, Dir. Of Eng. & Wtr Resources

APPROVED BY:

Matthew Abel, Dir. Of Ops.



NOTES:

1. BOTTOM OF EXCAVATION SHALL BE EXCAVATED TO PROVIDE UNIFORM BEARING FOR THE PIPE, OVEREXCAVATE 6" MINIMUM BELOW DESIGN GRADE, AND REFILL IN 3" THICK DENSIFIED LAYERS WITH CLEAN BEDDING SAND HAVING S.E. OF 30 OR GREATER.
2. NO JETTING OR FLOODING IS ALLOWED FOR BACKFILL MATERIALS.
3. PIPE ZONE, BEDDING, AND NATIVE MATERIALS SHALL BE TESTED IN ACCORDANCE WITH GEOTECHNICAL RECOMMENDATIONS TO AVOID POTENTIAL MIGRATION OF FINES. WHERE GEOTECHNICAL SOILS REPORT CRITERIA IS NOT SATISFIED, A WOVEN GEOTEXTILE FABRIC WRAP IS REQUIRED COMPLETELY AROUND THE BEDDING AND PIPE ZONE BACKFILL.
4. WHERE GROUNDWATER IS ENCOUNTERED OR PIPELINE IS OUTSIDE OF PAVEMENT, A WOVEN GEOTEXTILE FABRIC SHALL WRAP COMPLETELY AROUND THE BEDDING AND PIPE ZONE BACKFILL.
5. CONTRACTOR SHALL PROVIDE COMPACTION TEST RESULTS CERTIFIED BY A GEOTECHNICAL ENGINEER.
6. WARNING TAPE SHALL BE INSTALLED 3-INCHES ABOVE THE TOP OF PIPE CENTER AND SHALL RUN CONTINUOUSLY FOR THE ENTIRE LENGTH OF ALL CONSTANT PRESSURE MAIN LINE PIPING.

JURUPA COMMUNITY SERVICES DISTRICT

SCALE: NONE

DATE: JANUARY 2026

SPECIAL TRENCH DETAIL

DRAWING NO.

A-1A

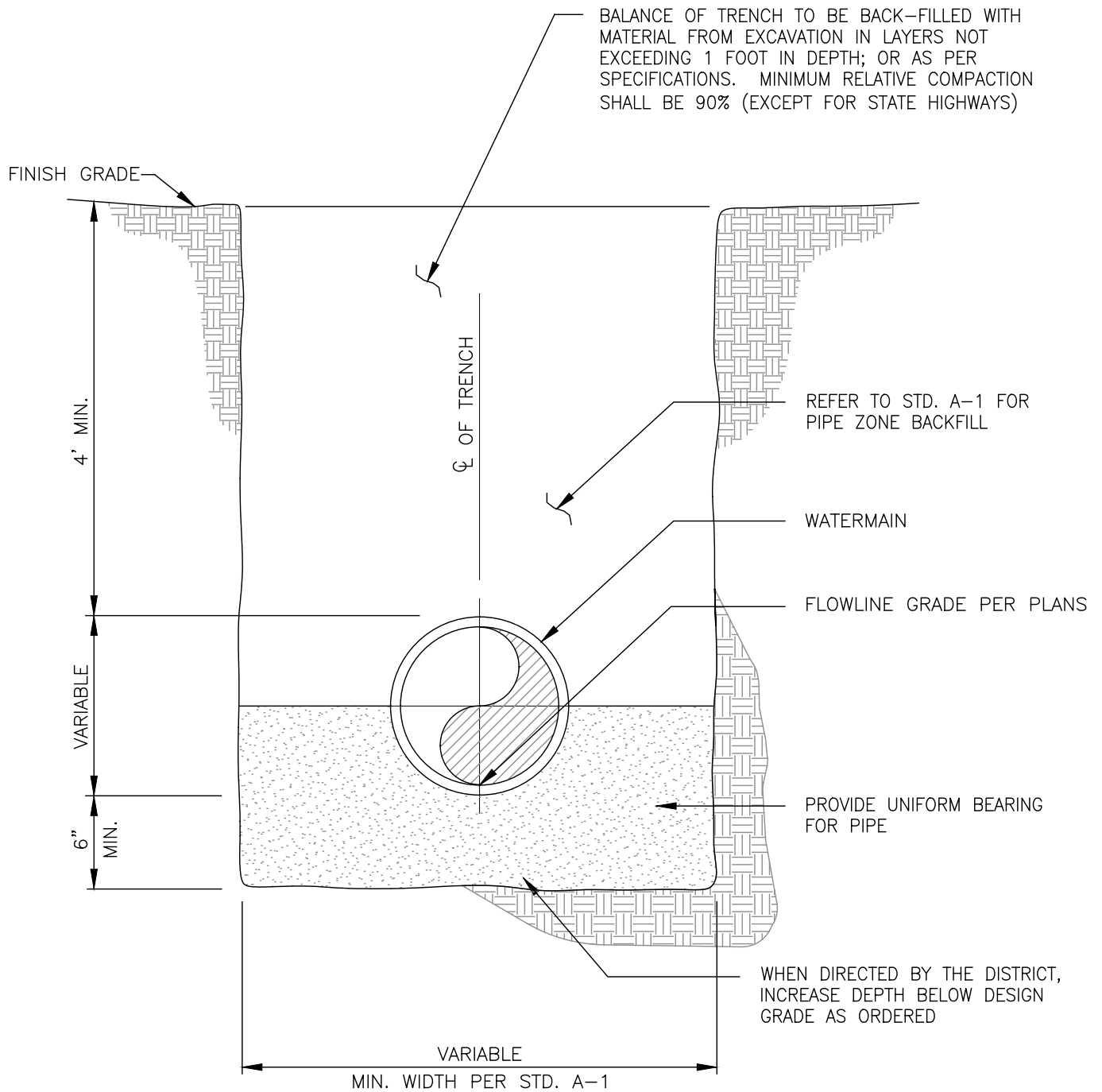
REV.

APPROVED BY:

Jesse Pompa, Dir. Of Eng. & Wtr Resources

APPROVED BY:

Matthew Abel, Dir. Of Ops.



NOTE:

1. WHENEVER TRENCH BOTTOM IS INSUFFICIENTLY STABLE, IN THE OPINION OF THE DISTRICT, TO PROVIDE A SUITABLE FOUNDATION FOR THE PIPE, OVEREXCAVATE BELOW DESIGN GRADE AS ORDERED, AND REFILL WITH CAREFULLY PLACED AND SUFFICIENTLY COMPACTED CRUSHED ROCK; OR AS PER SPECIFICATION.

JURUPA COMMUNITY SERVICES DISTRICT

SCALE: NONE

DATE: JANUARY 2026

WATERLINE SPECIAL BEDDING DETAIL

DRAWING NO.

A-2

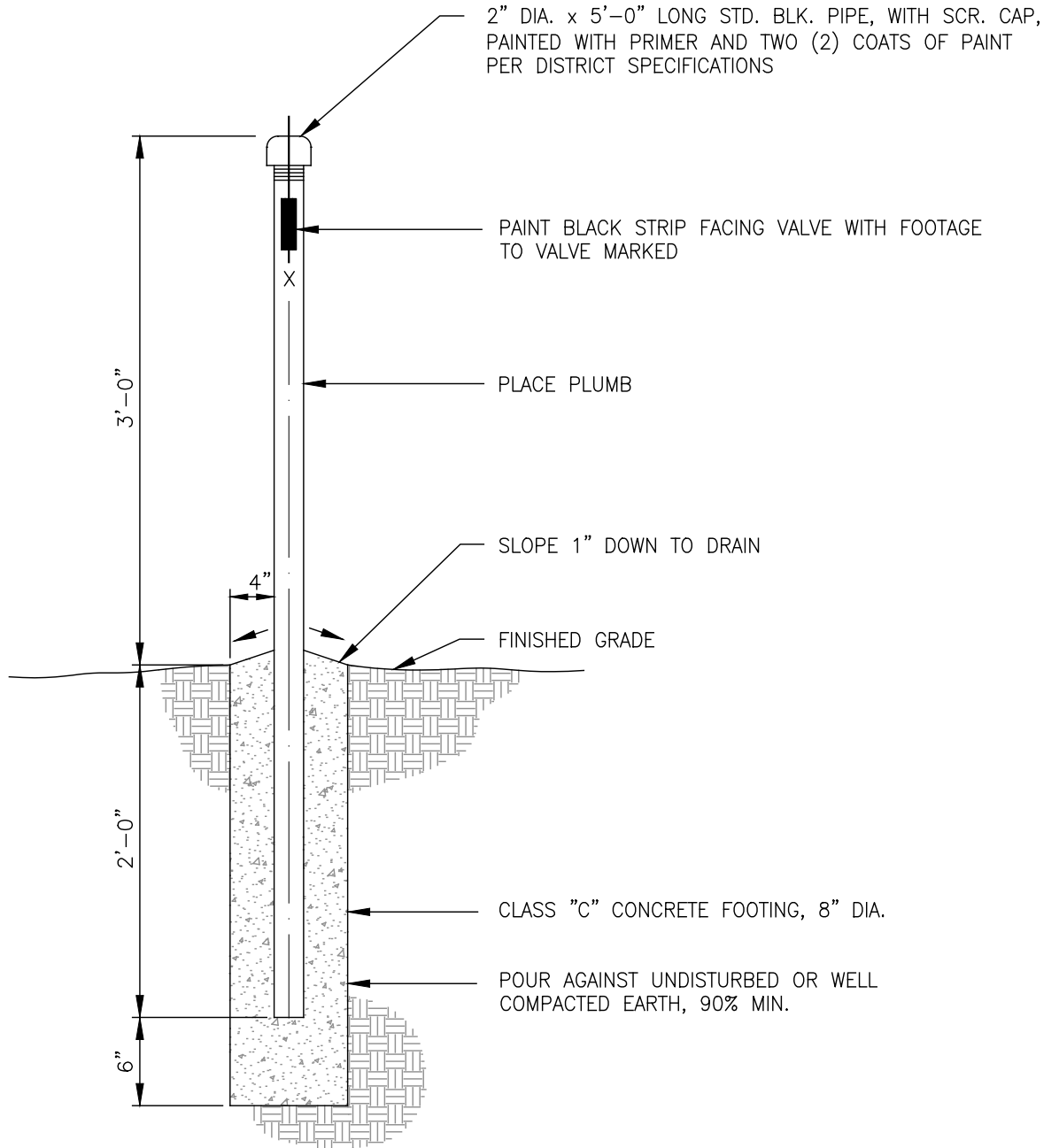
REV.

APPROVED BY:

Jesse Pompa, Dir. Of Eng. & Wtr Resources

APPROVED BY:

Matthew Abel, Dir. Of Ops.



NOTE:

MARKERS TO BE INSTALLED AS DIRECTED IN THE FIELD BY THE DISTRICT, TO INDICATE THE LOCATION OF VALVES OR MANHOLES. TYPICAL FOR VALVE LOCATED WITHIN UNIMPROVED AREAS, LAWN AND PARKWAY AREAS, AS WELL AS AREAS WITHIN NON-PAVED OR NON-CONCRETE SURFACES AREAS.

JURUPA COMMUNITY SERVICES DISTRICT

SCALE: NONE

DATE: JANUARY 2026

STANDARD VALVE AND SEWER MANHOLE MARKER INSTALLATION

DRAWING NO.

A-3

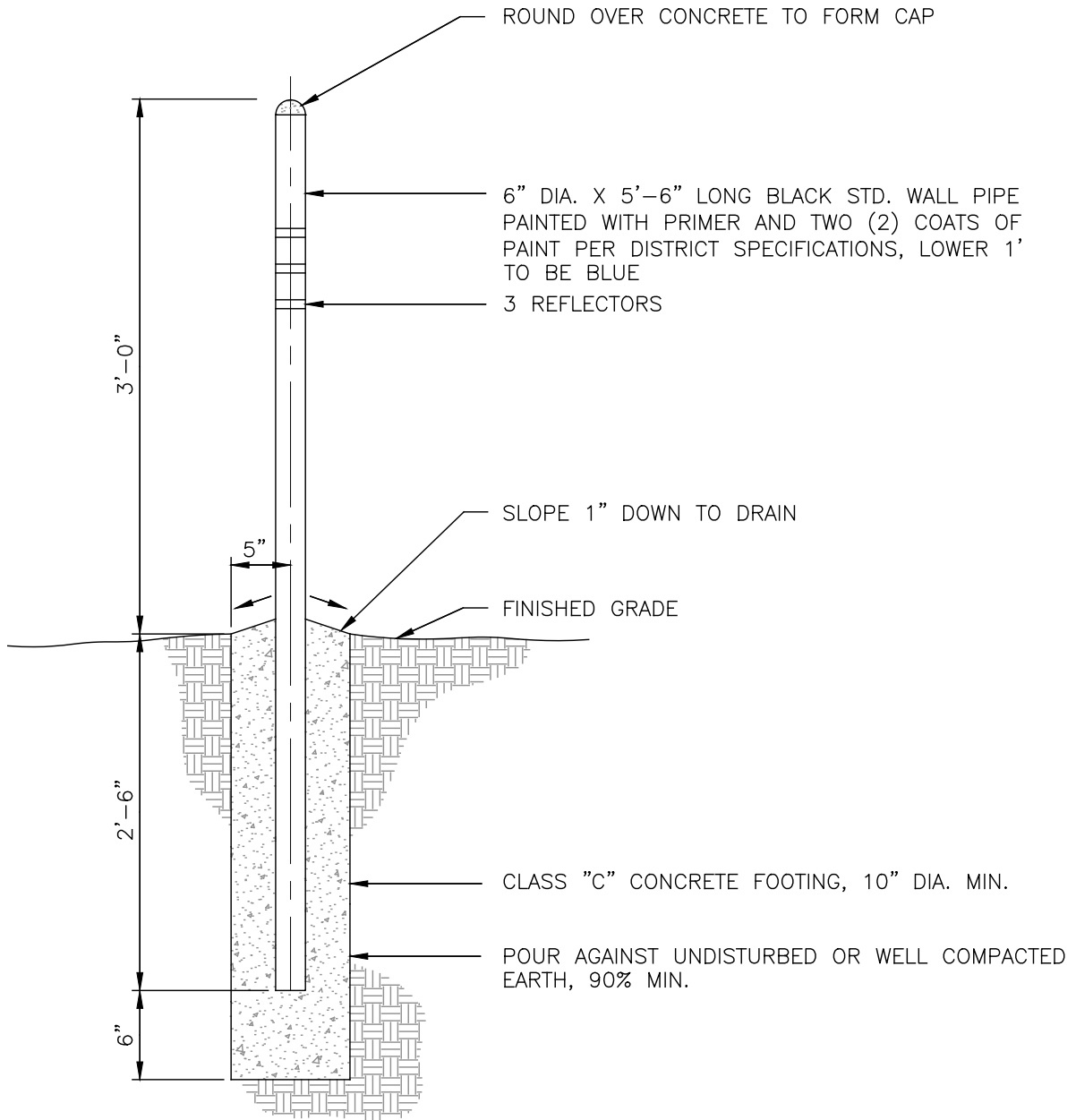
REV.

APPROVED BY:

Jesse Pompa, Dir. Of Eng. & Wtr Resources

APPROVED BY:

Matthew Abel, Dir. Of Ops.



NOTES:

LOCATION SHALL BE AS SHOWN ON PLAN VIEW, OR AS DIRECTED IN THE FIELD BY INSPECTOR OR ENGINEER.

MINIMUM OF 2 GUARD POSTS ARE TO BE PLACED ON ALL APPURTENANCES (UNLESS DIRECTED BY JCSD), LOCATION TO BE DETERMINED BY INSPECTOR

JURUPA COMMUNITY SERVICES DISTRICT

SCALE: NONE

DATE: JANUARY 2026

STANDARD GUARD POST INSTALLATION

DRAWING NO.

A-4

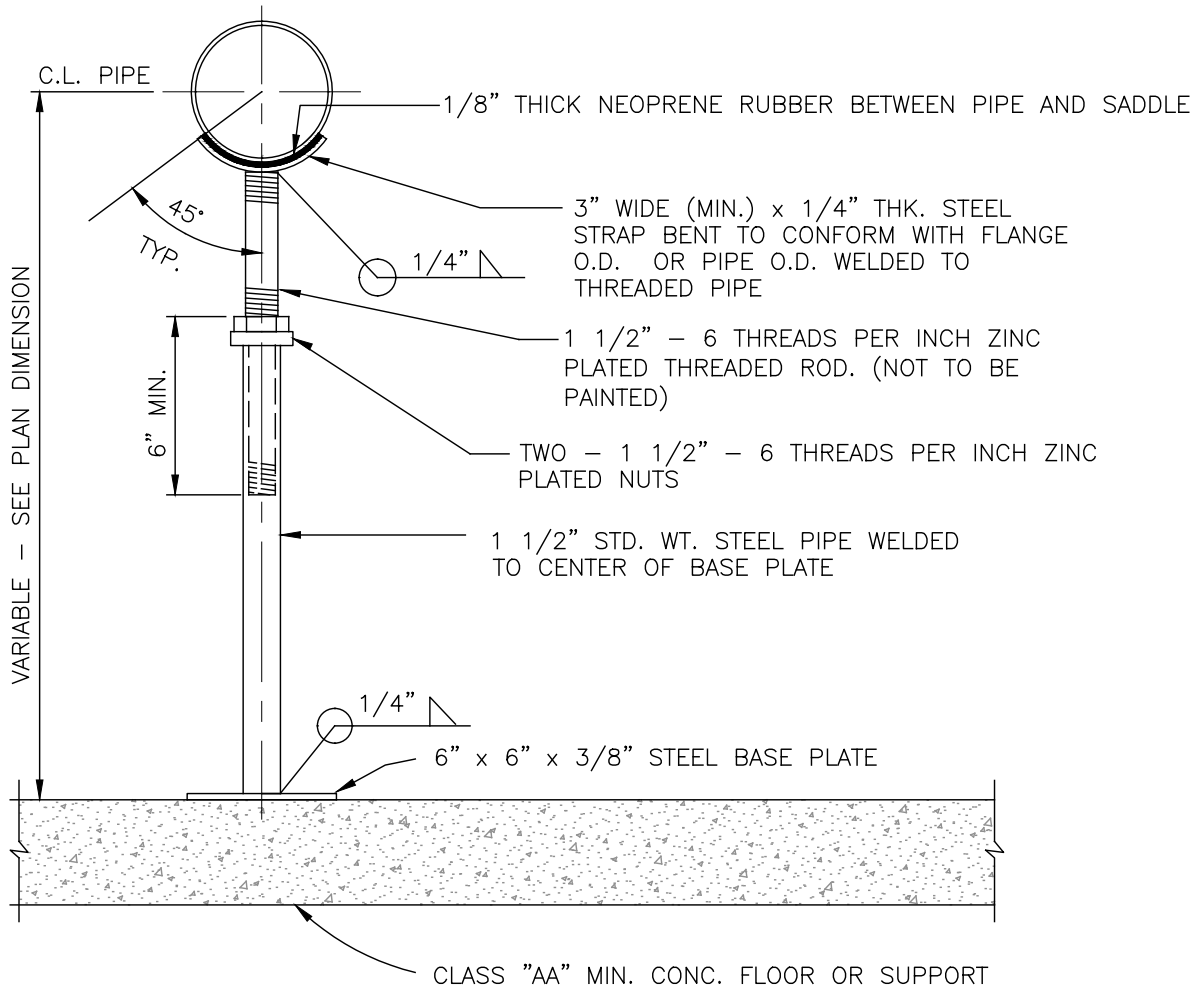
REV.

APPROVED BY:

Jesse Pompa, Dir. Of Eng. & Wtr Resources

APPROVED BY:

Matthew Abel, Dir. Of Ops.



NOTES:

1. 3" x 1/4" STEEL STRAP SHALL BE FORMED TO HAVE FULL & UNIFORM CONTACT FOR ENTIRE LENGTH.
2. PAINT WITH PRIMER & TWO (2) COATS OF PAINT PER DISTRICT SPECIFICATION
3. UPON WRITTEN APPROVAL BY THE DISTRICT, PREFABRICATED ADJUSTABLE PIPE SUPPORTS MY BE USED (PIPE PRODUCTS OR APPROVED EQUAL)

JURUPA COMMUNITY SERVICES DISTRICT

SCALE: NONE

DATE: JANUARY 2026

PIPE OR FLANGE SUPPORT

DETAIL

DRAWING NO.

A-5

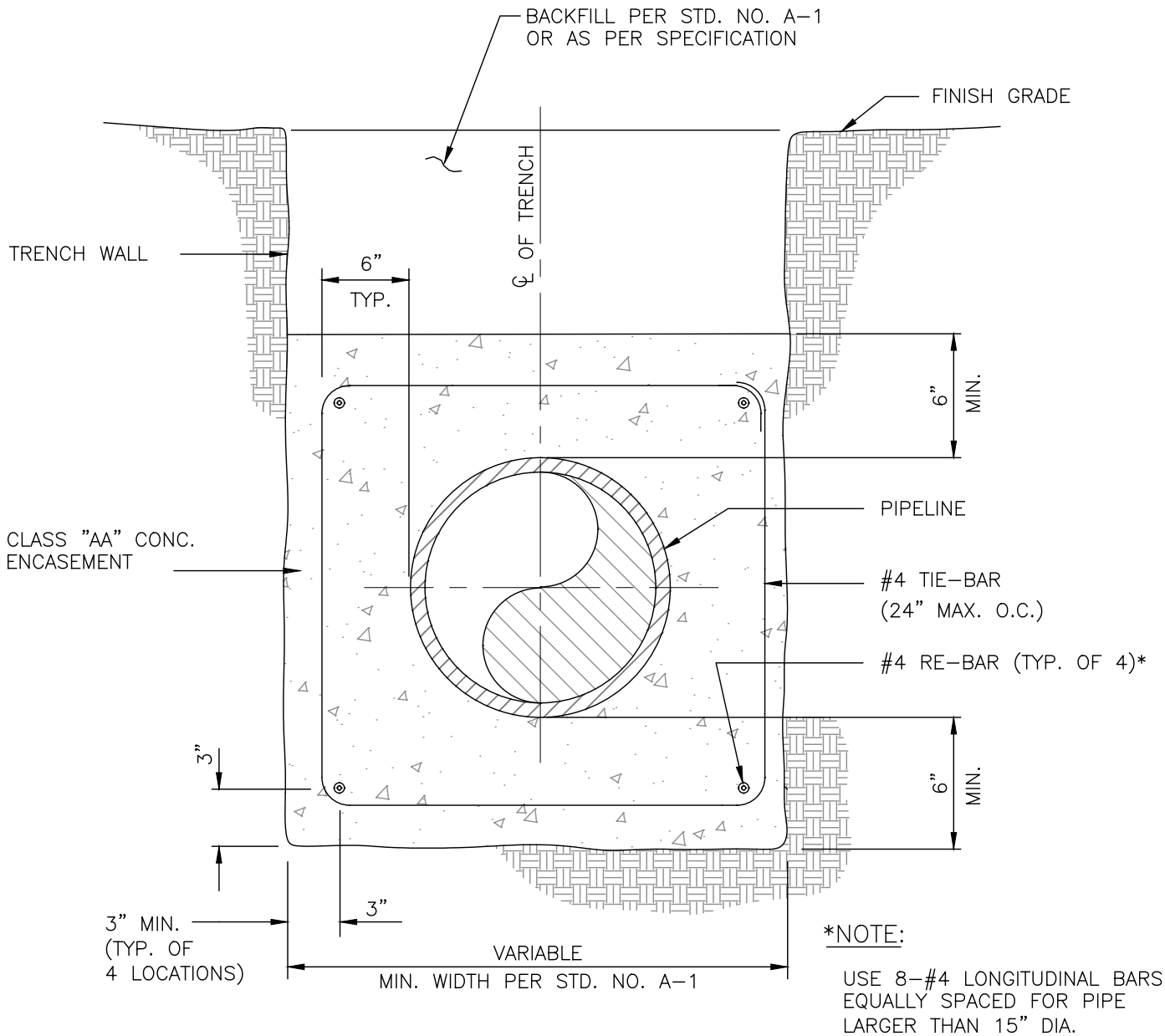
REV.

APPROVED BY:

Jesse Pompa, Dir. Of Eng. & Wtr Resources

APPROVED BY:

Matthew Abel, Dir. Of Ops.



***NOTE:**
 USE 8-#4 LONGITUDINAL BARS
 EQUALLY SPACED FOR PIPE
 LARGER THAN 15" DIA.

NOTES:

1. PIPE ENCASEMENT TO BE INSTALLED WHERE INDICATED ON THE PLANS AND OR AS DIRECTED IN THE FIELD BY THE DISTRICT.
2. CONTRACTOR SHALL TAKE DUE PRECAUTION AGAINST PIPE FLOATATION DURING THE PLACING OF CONCRETE.
3. IF ANY PIPE APPURTENANCE, SUCH AS OUTLETS, MANWAYS, ETC., ARE REQUIRED IN THE AREA WHERE PIPE ENCASEMENT IS REQUIRED, THE ENCASEMENT SHALL BE FORMED SO THAT REASONABLE ACCESS IS AVAILABLE TO THE PIPE APPURTENANCES.

JURUPA COMMUNITY SERVICES DISTRICT

SCALE: NONE

DATE: JANUARY 2026

WATERLINE ENCASEMENT DETAIL

DRAWING NO.

A-6

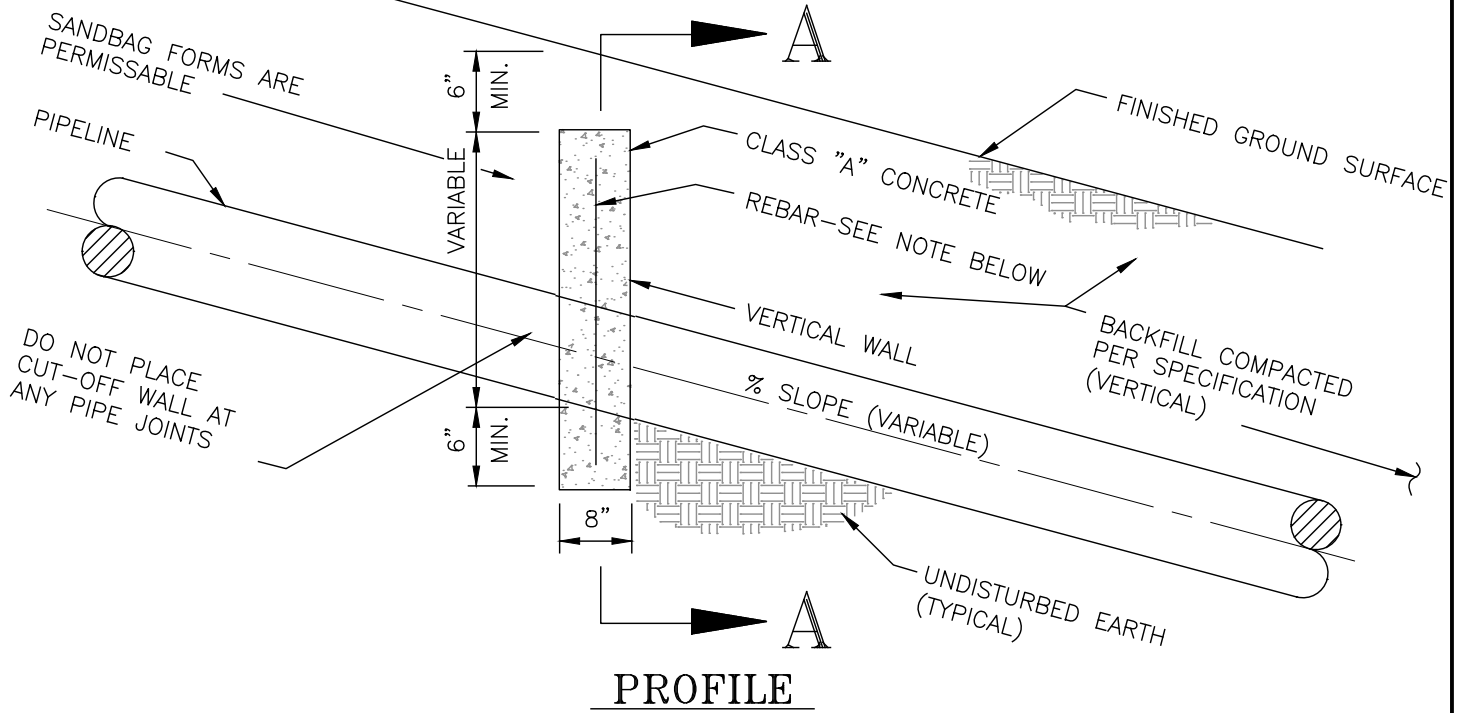
REV.

APPROVED BY:

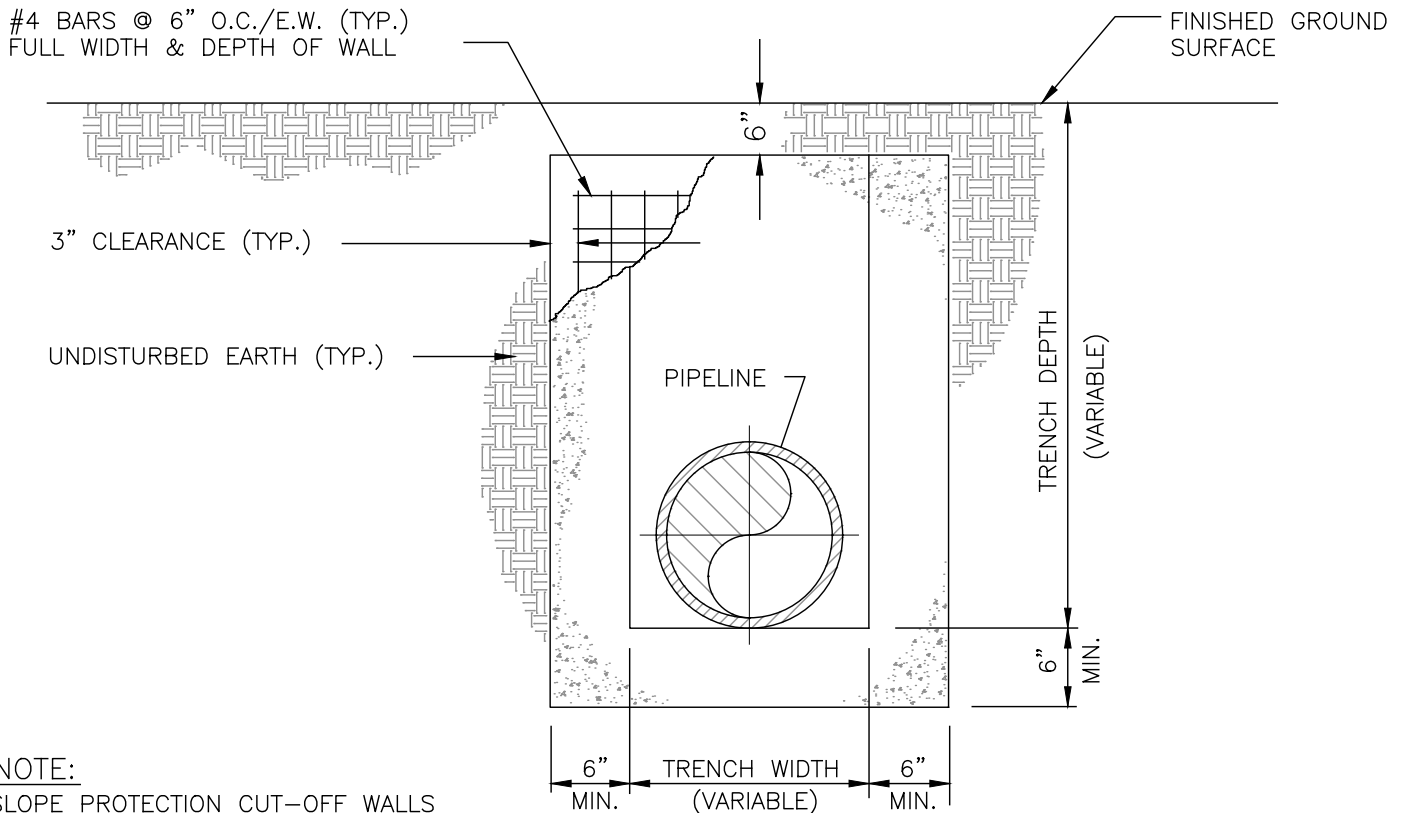
Jesse Pompa, Dir. Of Eng. & Wtr Resources

APPROVED BY:

Matthew Abel, Dir. Of Ops.



PROFILE



SECTION A-A

NOTE:
SLOPE PROTECTION CUT-OFF WALLS ON THE PLANS OR BY THE DISTRICT.

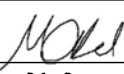
JURUPA COMMUNITY SERVICES DISTRICT

SCALE: NONE
DATE: JANUARY 2026

SLOPE PROTECTION CUT-OFF WALL

DRAWING NO.
A-7

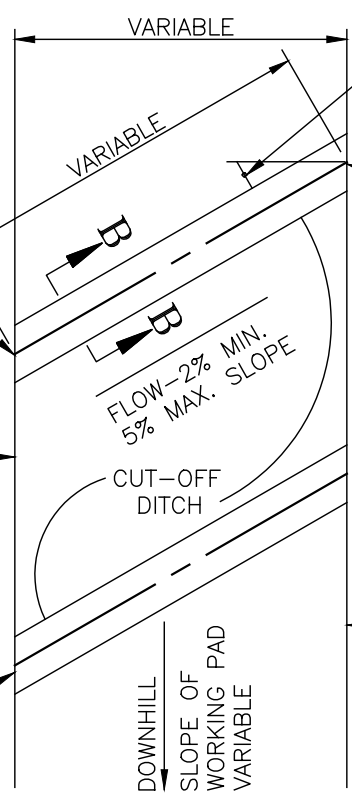
REV. APPROVED BY: 
Jesse Pompa, Dir. Of Eng. & Wtr Resources

APPROVED BY: 
Matthew Abel, Dir. Of Ops.

ADJUST GRADE AS REQUIRED TO PROVIDE ADEQUATE DRAINAGE FROM END OF CUT-OFF DITCH (TYPICAL)

EDGE OF WORKING PAD

OUTLET TO DISPERSE ONTO ROCKY GROUND OR GROUND WELL COVERED WITH VEGETATION OR UNDISTURBED EARTH AND DISCHARGE INTO NATURAL WATERWAY. IF NONE OF THESE CONDITIONS EXIST, ALTERNATE CUT-OFF DITCHES FROM RIGHT TO LEFT



VARIABLE TO MEET 2% MIN., 5% MAX. FL SLOPE (DEPENDING UPON DOWN HILL SLOPE OF WORKING PAD)

ADJUST GRADE AS REQUIRED TO PROVIDE ADEQUATE DRAINAGE INTO END OF CUT-OFF DITCH (TYPICAL)

LOCATION, NUMBER AND SPACING OF CUT-OFF DITCHES AS DETERMINED BY THE DISTRICT

EDGE OF WORKING PAD

PLAN VIEW

LEVEL WORKING PAD

WORKING PAD

EDGE OF WORKING PAD

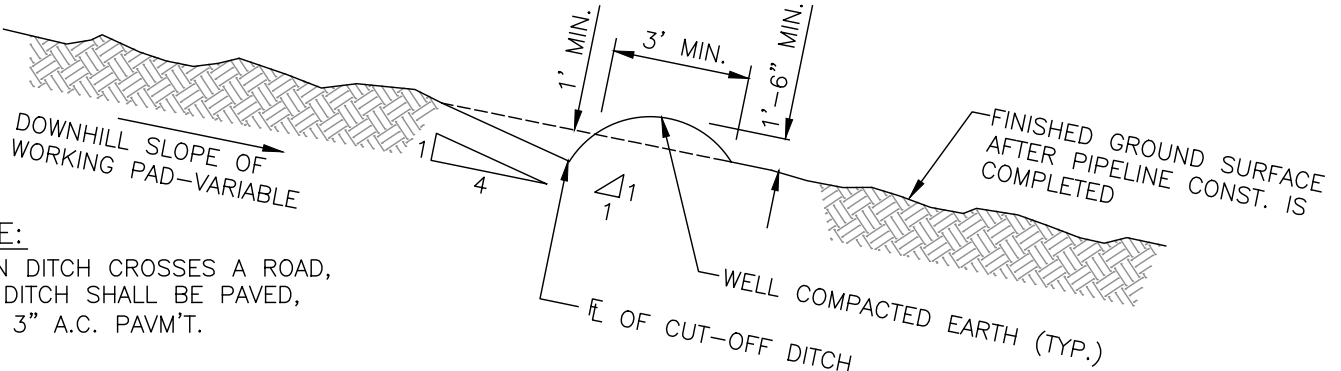
NATURAL GROUND SURFACE

FL CUT-OFF DITCH
2% MIN., 5% MAX. SLOPE

EDGE OF WORKING PAD

"V" DITCHES AS REQ'D. AT THE TOP OF SLOPES—NOT INCLUDED UNDER UNIT PRICE FOR CUT-OFF DITCH CONSTRUCTION

SECTION A-A



NOTE:

WHEN DITCH CROSSES A ROAD, THE DITCH SHALL BE PAVED, WITH 3" A.C. PAVM'T.

SECTION B-B

NOTE:

SLOPE PROTECTION CUT-OFF DITCH TO BE INSTALLED WHERE DIRECTED BY DISTRICT.

JURUPA COMMUNITY SERVICES DISTRICT

SCALE: NONE

DATE: JANUARY 2026

SLOPE PROTECTION CUT-OFF DITCH

DRAWING NO.

A-8

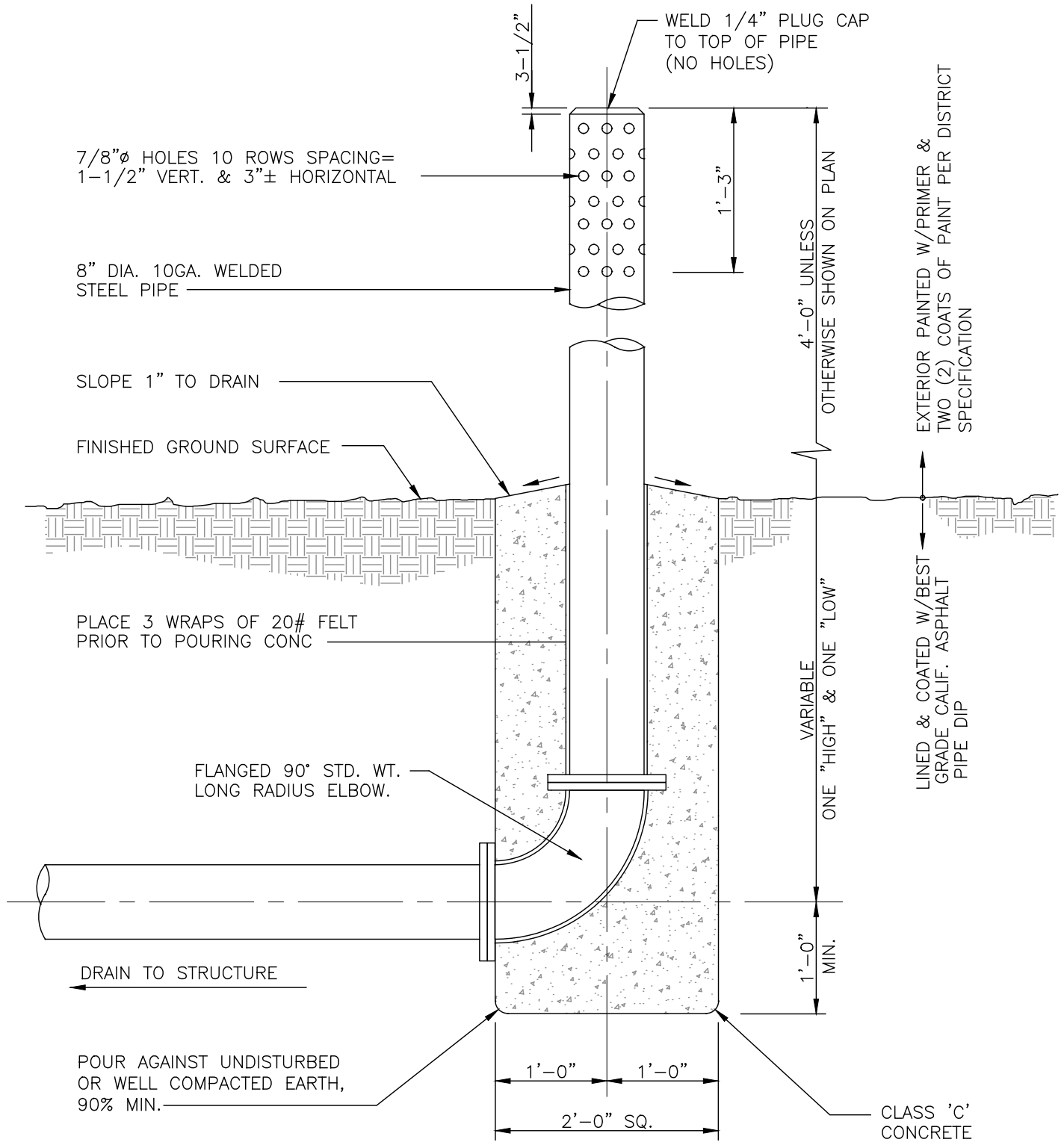
REV.

APPROVED BY:

Jesse Pompa, Dir. Of Eng. & Wtr Resources

APPROVED BY:

Matthew Abel, Dir. Of Ops.

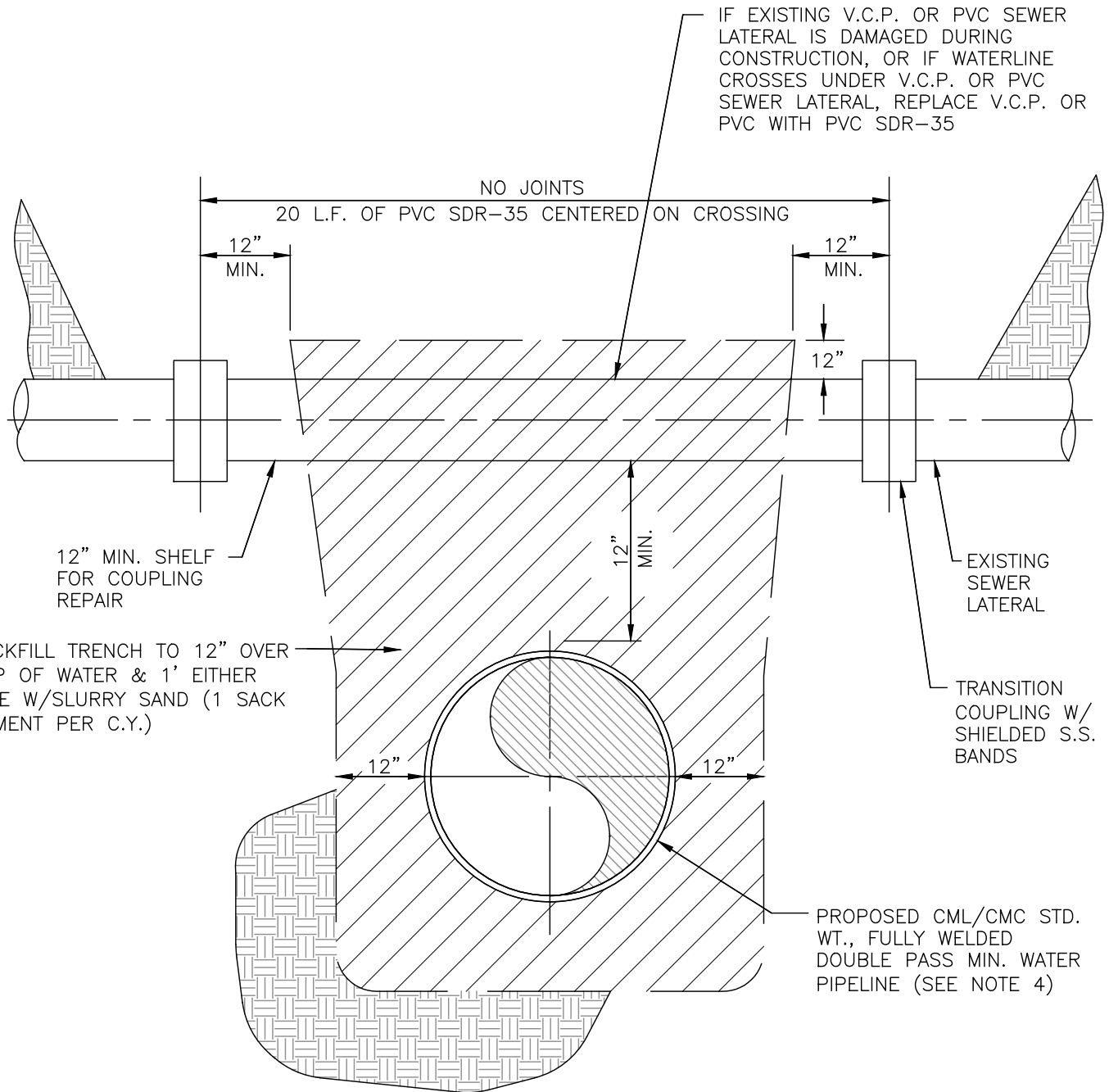


NOTES:

1. FIELD JOINTS MAY BE FLANGED OR WELDED, BUT SHALL NOT PERMANENTLY IMPAIR LINING OR COATING OF PIPE.
2. UPON APPROVAL OF DISTRICT, SCHED. 80 P.V.C. PIPE MAY BE USED FOR VENT IN LIEU OF 10 GA. STEEL.

JURUPA COMMUNITY SERVICES DISTRICT

| | | |
|---|--|---------------------------|
| SCALE: NONE | STANDARD VENT INSTALLATION | DRAWING NO. A-9 |
| DATE: JANUARY 2026 | | |
| APPROVED BY: Jesse Pompa, Dir. Of Eng. & Wtr Resources | APPROVED BY: Matthew Abel, Dir. Of Ops. | |



NOTES:

1. TYPICAL CASE SHOWN IS FOR NEW WATER PIPELINE AND EXISTING SEWER LINE.
2. THERE SHALL BE NO JOINTS ALLOWED ON WATER PIPELINE WITHIN 10' EITHER SIDE OF EXISTING SEWER LINE EXCEPT FULLY WELDED (DOUBLE PASS) JOINTS.
3. THIS STANDARD SHALL APPLY TO EXISTING SEWER MAIN LINE CROSSING AS WELL AS EXISTING SEWER LATERALS.
4. WATERLINE CROSSING UNDER A SEWERLINE SHALL MEET ALL DIVISION OF DRINKING WATER, STATE WATER RESOURCES CONTROL BOARD REQUIREMENTS.

JURUPA COMMUNITY SERVICES DISTRICT

SCALE: NONE

DATE: JANUARY 2026

TYPICAL WATERMAIN CROSSING UNDER SEWER LATERAL

DRAWING NO.

A-10

APPROVED BY:

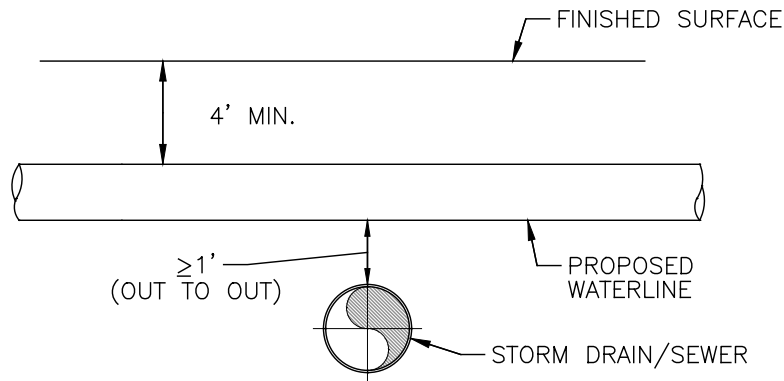
Jesse Pompa, Dir. Of Eng. & Wtr Resources

APPROVED BY:

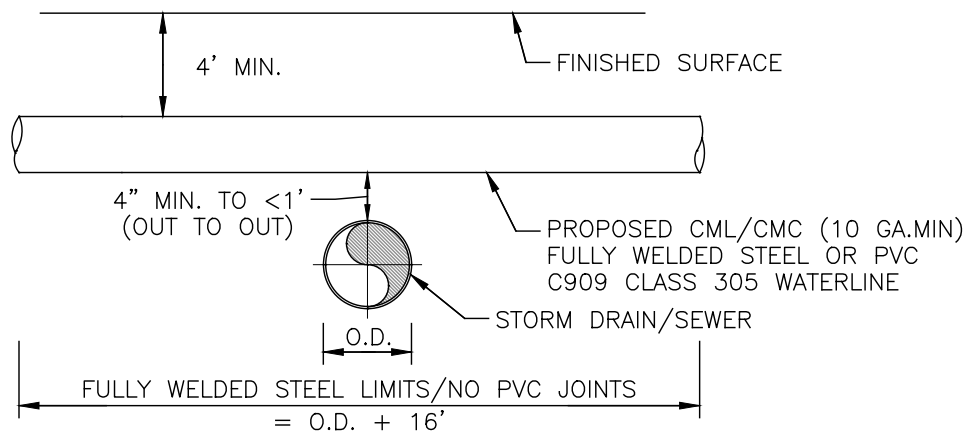
Matthew Abel, Dir. Of Ops.

REV.

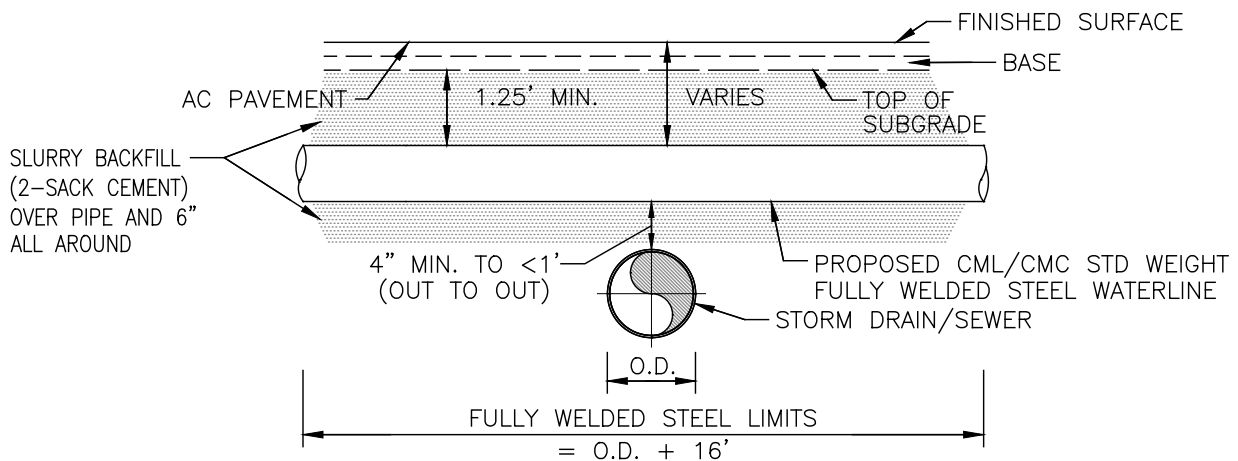
TYPE - 1 STANDARD COVER AND STANDARD SEPARATION



TYPE - 2 STANDARD COVER AND MINIMUM SEPARATION



TYPE - 3 SHALLOW COVER AND MINIMUM SEPARATION



NOTES:

1. WHEN A HIGHPOINT OVER THE STORM DRAIN/SEWER IS CREATED, FOR TYPE-3, A SPECIAL CONSTRUCTION CALLOUT WILL BE NECESSARY ON THE PLANS TO PROTECT IN PLACE THE AIR VALVE DURING CONSTRUCTION.
2. WHEN A CROSSING OCCURS NEAR A TEE OR CROSS, FOR TYPE-3, THE USE OF A BUTTERFLY VALVE IN LIEU OF A GATE VALVE MAY BE REQUIRED, PER DISTRICT APPROVAL.

JURUPA COMMUNITY SERVICES DISTRICT

SCALE: NONE

DATE: JANUARY 2026

**WATERLINES CROSSING
OVER STORM DRAINS/SEWERS**

DRAWING NO.

A-11

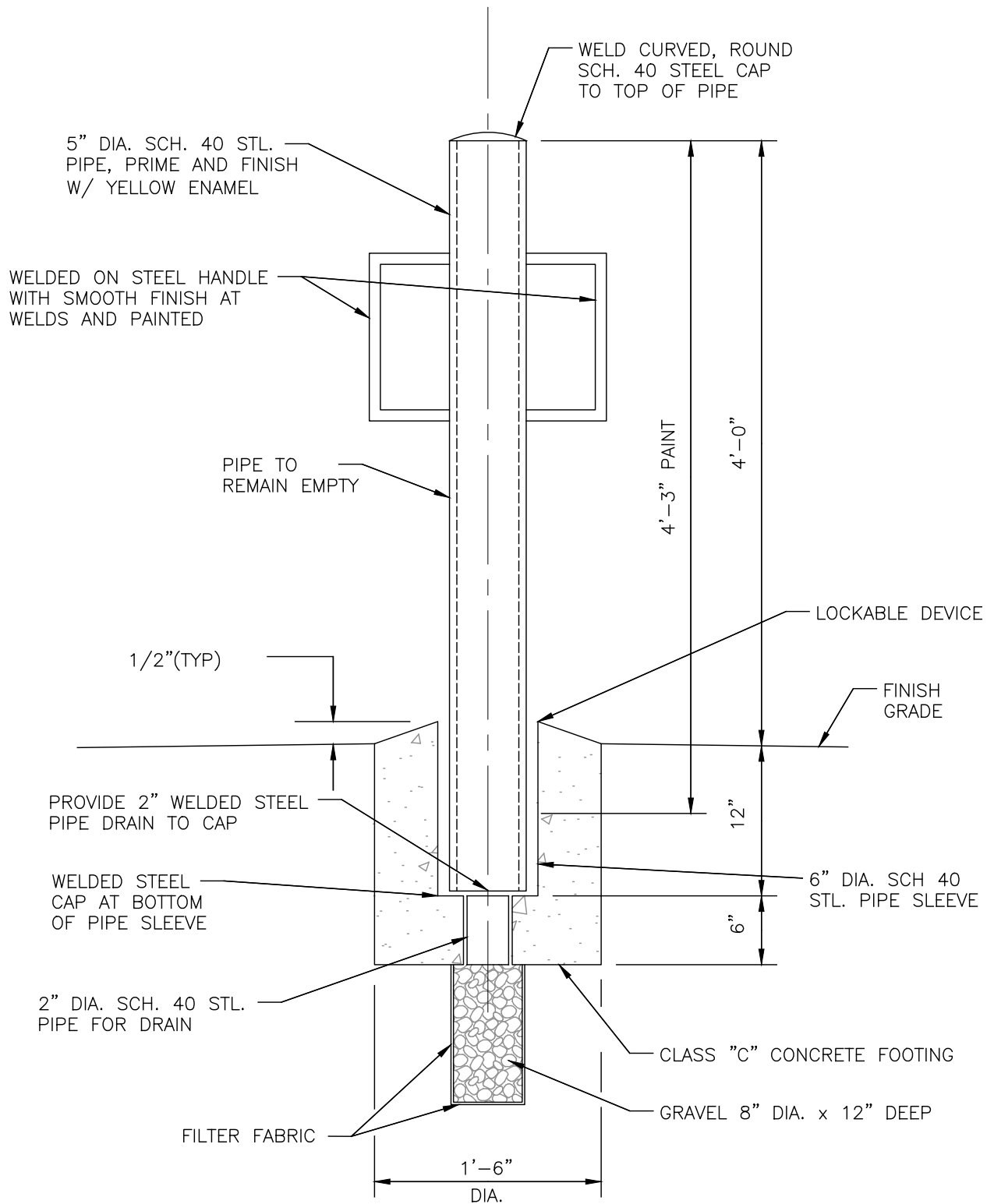
APPROVED BY:

Jesse Pompa, Dir. Of Eng. & Wtr Resources

APPROVED BY:

Matthew Abel, Dir. Of Ops.

REV.



NOTES:

LOCKABLE DEVICE SHALL BE APPROVED BY JCSD

JURUPA COMMUNITY SERVICES DISTRICT

SCALE: NONE

DATE: JANUARY 2026

REMOVABLE GUARD POST DETAIL

DRAWING NO.

A-12

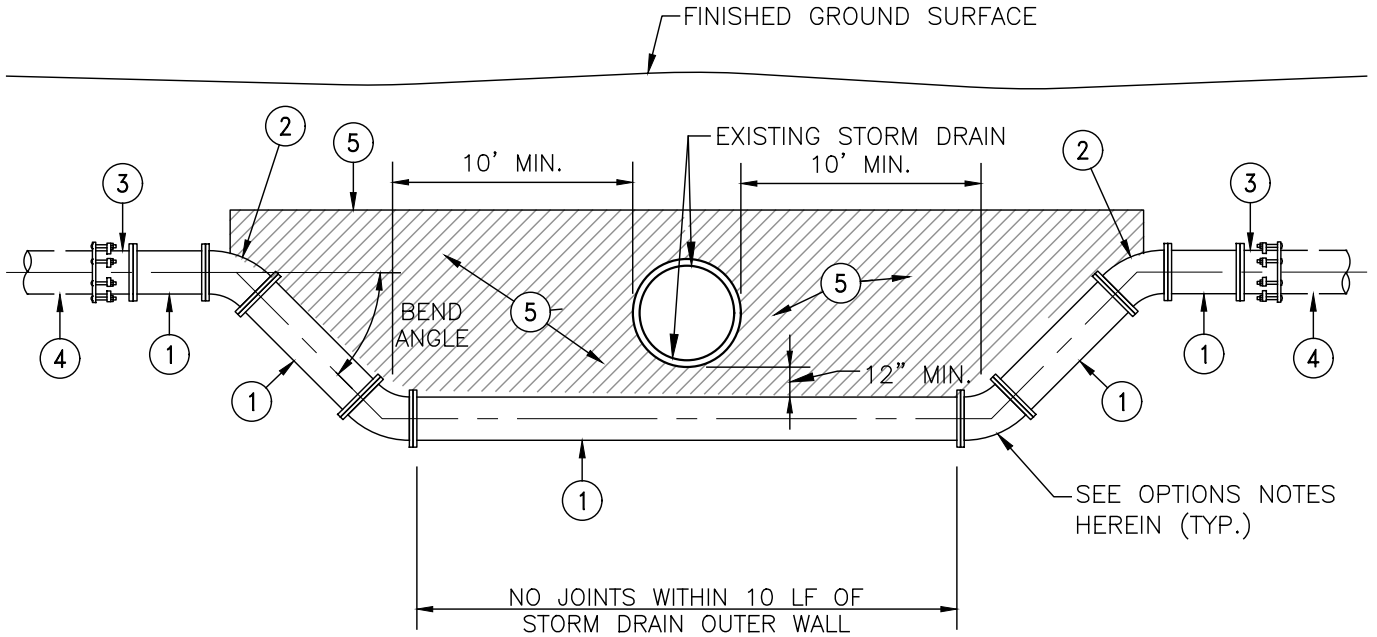
APPROVED BY:

Jesse Pompa, Dir. Of Eng. & Wtr Resources

APPROVED BY:

Matthew Abel, Dir. Of Ops.

REV.



OPTIONS

- (A) NO JOINTS WITHIN 10' OF STORM DRAIN, OR;
- (B) IF JOINTS MUST FALL WITHIN 10' OF STORM DRAIN, JOINTS SHALL BE FULLY WELDED, DOUBLE PASS MINIMUM.

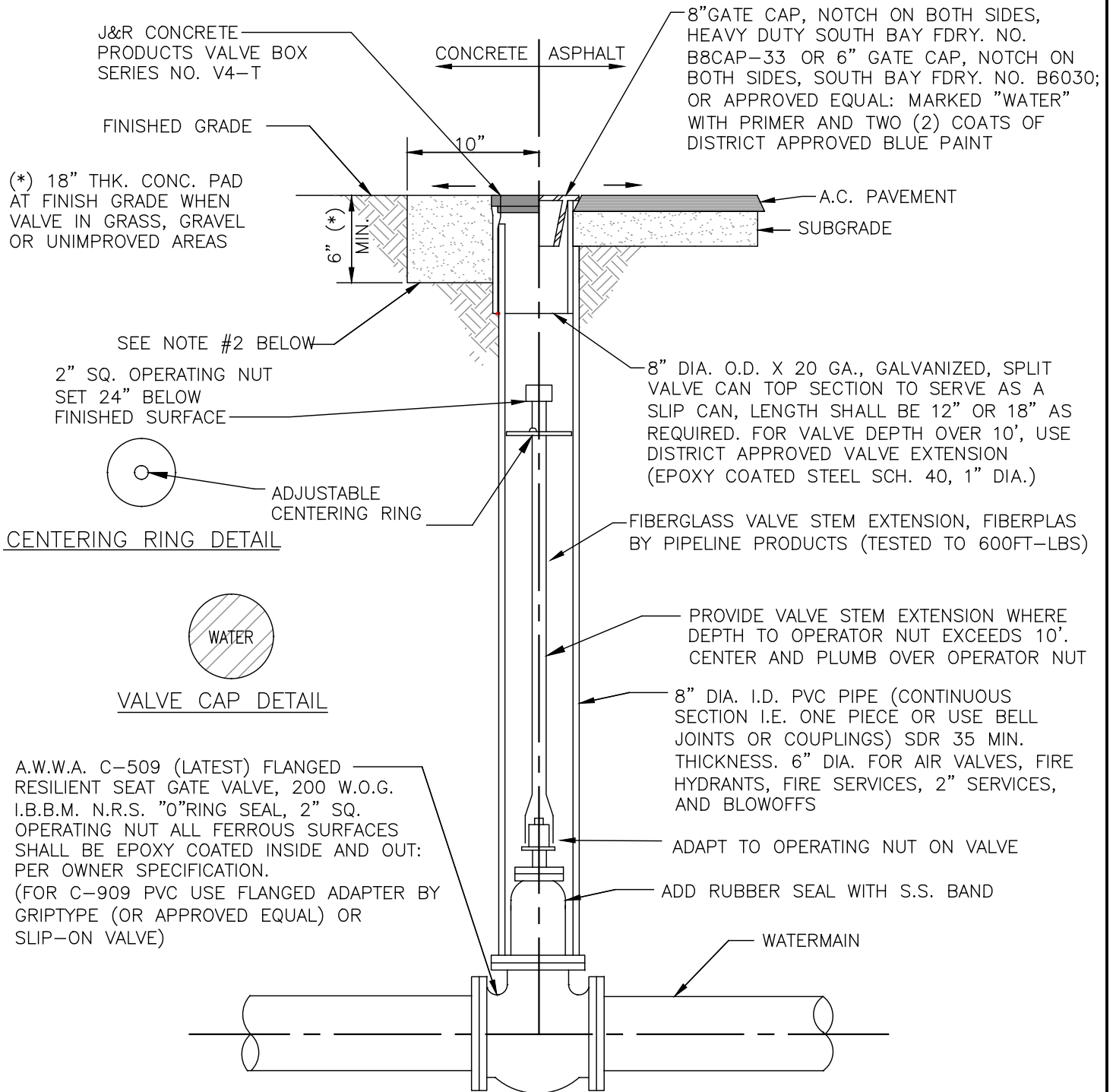
NOTE: JOINTS WITHIN 10" OF STORM DRAIN OUTER WALL MUST BE DOUBLE-PASS WELDED

| ITEM | DESCRIPTION |
|------|--|
| (1) | FLANGED CML & CMC STD. WT. STEEL WATERMAIN |
| (2) | FLANGED 11.25°, 22.5°, 45° CML & CMC STD. WT. LONG RADIUS ELBOW. |
| (3) | FULLY-RESTRAINED MJxFL PVC/STEEL TRANSITION COUPLING |
| (4) | PVC C909 WATERMAIN |
| (5) | SLURRY BACKFILL (2-SACK CEMENT SLURRY) |

JURUPA COMMUNITY SERVICES DISTRICT

| | | |
|---|--|-------------|
| SCALE: NONE | WATER MAIN CROSSING UNDER STORM DRAIN | DRAWING NO. |
| DATE: JANUARY 2026 | | A-13 |
| APPROVED BY: | APPROVED BY: | |
| Jesse Pompa, Dir. Of Eng. & Wtr Resources | Matthew Abel, Dir. Of Ops. | |

REV.



NOTES:

1. VALVE MARKER PER STD. NO. A-3 TO BE INSTALLED AS DIRECTED BY THE DISTRICT.
2. CLASS "B" CONCRETE PAD, 20" SQ. POURED AGAINST WELL COMPACTED EARTH, 90% MIN. RELATIVE COMPACTION AT FINISHED GRADE IN NON-PAVED AREAS.
3. UNLESS OTHERWISE SPECIFIED USE 8" DIA. VALVE COVER.

JURUPA COMMUNITY SERVICES DISTRICT

SCALE: NONE

DATE: JANUARY 2026

GATE VALVE INSTALLATION

DRAWING NO.

B-1

REV.

APPROVED BY:

Jesse Pompa, Dir. Of Eng. & Wtr Resources

APPROVED BY:

Matthew Abel, Dir. Of Ops.

STANDARD DRAWING NO. B-2 DELETED

JURUPA COMMUNITY SERVICES DISTRICT

SCALE: NONE

DATE: JANUARY 2026

GATE VALVE INSTALLATION FOR
P.V.C. WATERMAINS

DRAWING NO.

B-2

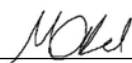
REV.

APPROVED BY:

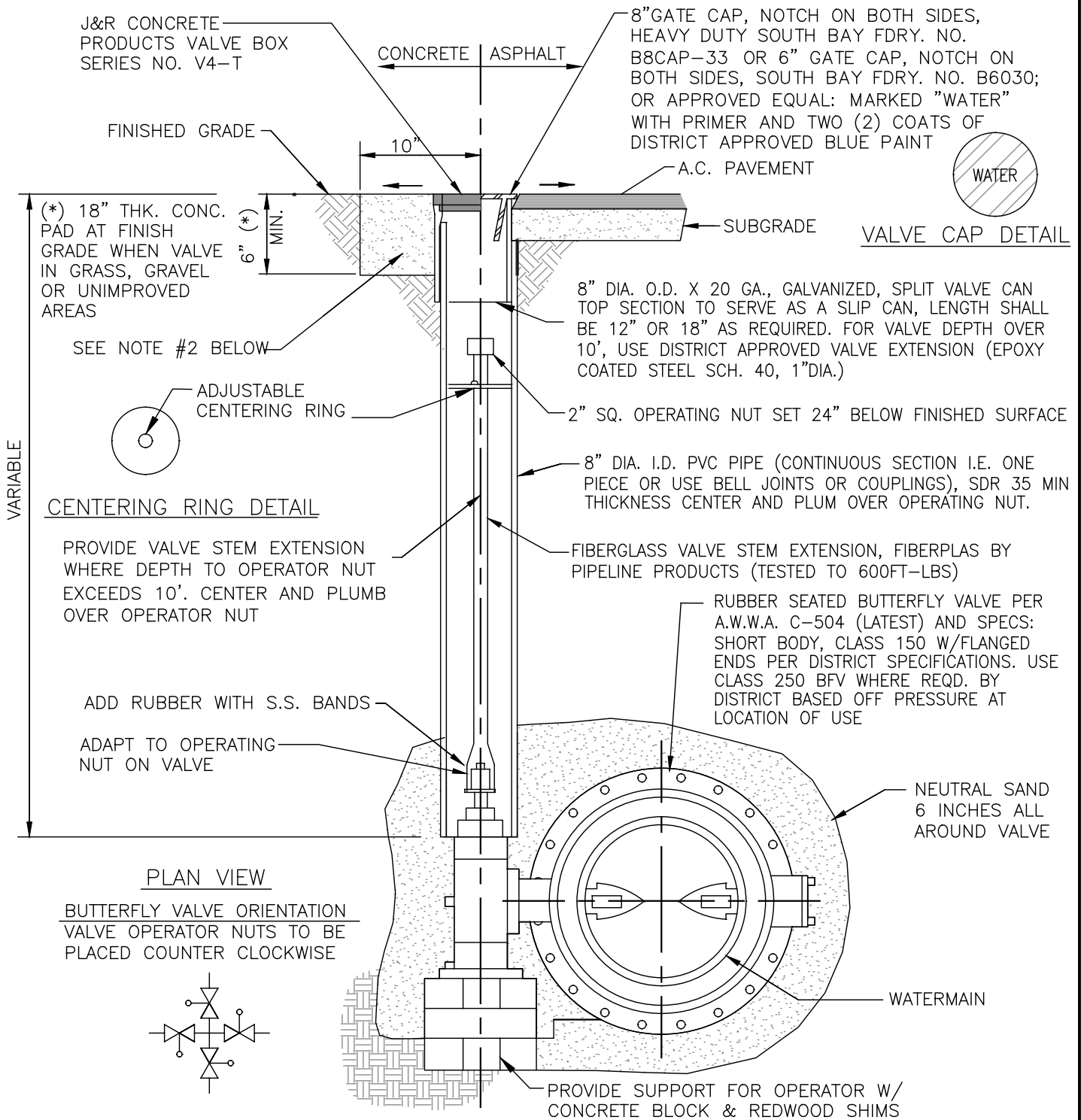


Jesse Pompa, Dir. Of Eng. & Wtr Resources

APPROVED BY:



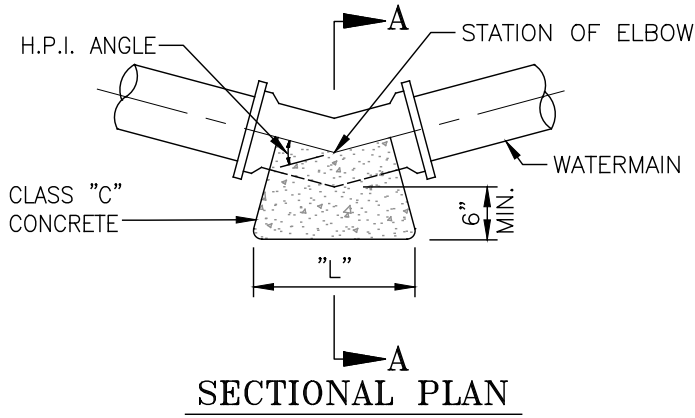
Matthew Abel, Dir. Of Ops.



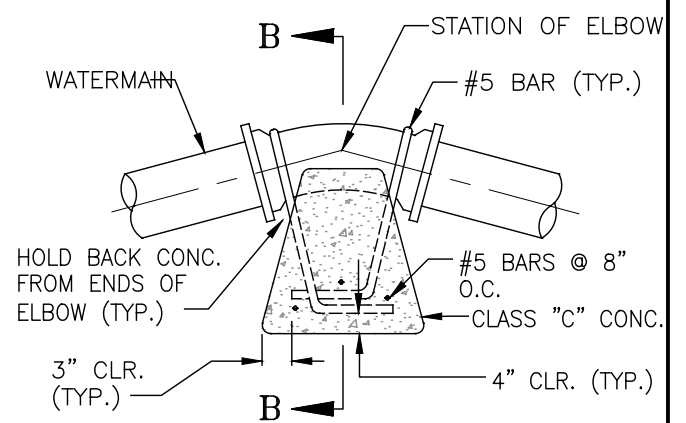
- NOTES:**
1. VALVE MARKER PER STD. NO. A-3 TO BE INSTALLED AS DIRECTED BY THE DISTRICT.
 2. CLASS "B" CONCRETE PAD, 20" SQ. POURED AGAINST WELL COMPACTED EARTH, 90% MIN. RELATIVE COMPACTION AT FINISHED GRADE IN NON-PAVED AREAS.
 3. UNLESS OTHERWISE SPECIFIED USE 8" DIA. VALVE COVER.

JURUPA COMMUNITY SERVICES DISTRICT

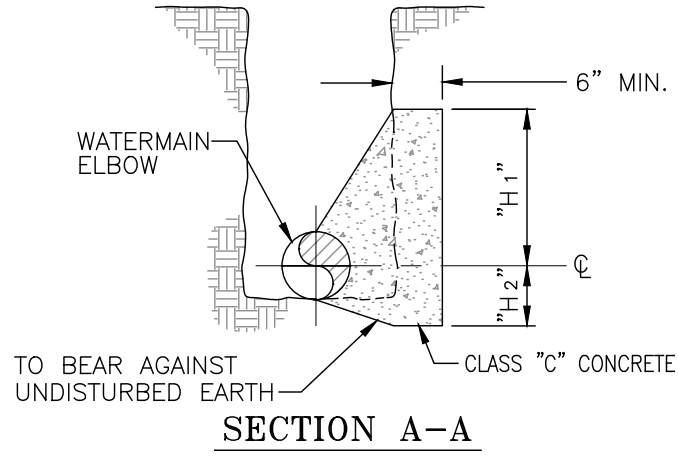
| | | |
|--------------------|---|---------------------------|
| SCALE: NONE | BUTTERFLY VALVE INSTALLATION | DRAWING NO. B-3 |
| DATE: JANUARY 2026 | APPROVED BY: | APPROVED BY: |
| REV. APPROVED BY: | Jesse Pompa, Dir. Of Eng. & Wtr Resources | |
| | Matthew Abel, Dir. Of Ops. | |



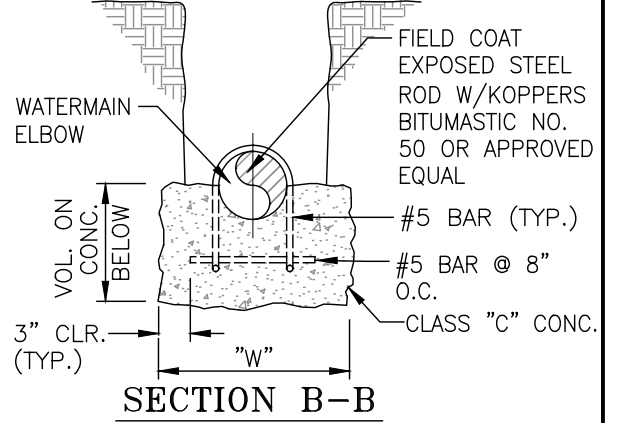
SECTIONAL PLAN



SECTIONAL ELEVATION



SECTION A-A



SECTION B-B

HORIZONTAL THRUST BLOCK

| PIPE DIA. | "H1" | "H2" | "L" | H.P.I. ANGLE |
|-----------|---------|---------|-------|--------------|
| 4" | 1/2" OD | 1/2" OD | 4'-0" | 5° TO 41° |
| 4" | 4" | 4" | 4'-0" | 42° TO 83° |
| 4" | 10" | 5" | 4'-0" | 84° TO 104° |
| 6" | 1/2" OD | 1/2" OD | 4'-0" | 5° TO 27° |
| 6" | 6" | 6" | 4'-0" | 28° TO 51° |
| 6" | 1'-6" | 9" | 4'-0" | 52° TO 90° |
| 8" | 1/2" OD | 1/2" OD | 4'-0" | 5° TO 20° |
| 8" | 8" | 8" | 4'-0" | 21° TO 36° |
| 8" | 1'-8" | 10" | 4'-0" | 37° TO 54° |
| 8" | 2'-2" | 13" | 4'-0" | 55° TO 78° |
| 8" | 2'-8" | 16" | 4'-0" | 79° TO 111° |
| 10" | 1/2" OD | 1/2" OD | 4'-0" | 5° TO 16° |
| 10" | 10" | 10" | 4'-0" | 17° TO 28° |
| 10" | 1'-10" | 11" | 4'-0" | 29° TO 39° |
| 10" | 2'-4" | 14" | 4'-0" | 40° TO 53° |
| 10" | 2'-10" | 17" | 4'-0" | 54° TO 70° |
| 10" | 2'-10" | 17" | 6'-0" | 71° TO 120° |
| 12" | 1/2" OD | 1/2" OD | 4'-0" | 5° TO 13° |
| 12" | 12" | 12" | 4'-0" | 14° TO 22° |
| 12" | 2'-0" | 12" | 4'-0" | 23° TO 30° |
| 12" | 2'-6" | 15" | 4'-0" | 31° TO 40° |
| 12" | 3'-0" | 18" | 4'-0" | 41° TO 52° |
| 12" | 3'-0" | 18" | 6'-0" | 53° TO 83° |

VERTICAL ANCHOR BLOCK

| PIPE DIA. | "W" | VOLUME OF CONC. CF | GRADE% DIFFERENCE |
|-----------|-------|--------------------|-------------------|
| 4" | 1'-6" | 4 : 3 | 5 TO 15 |
| 4" | 1'-6" | 6 : 5 | 16 TO 25 |
| 4" | 1'-6" | 8 : 6 | 26 TO 35 |
| 4" | 1'-6" | 10 : 8 | 36 TO 45 |
| 4" | 1'-6" | 13 : 0 | 46 TO 55 |
| 4" | 1'-6" | 15 : 1 | 56 TO 65 |
| 6" | 2'-0" | 7 : 6 | 5 TO 10 |
| 6" | 2'-0" | 11 : 4 | 11 TO 25 |
| 6" | 2'-0" | 15 : 2 | 26 TO 40 |
| 6" | 2'-0" | 22 : 8 | 41 TO 55 |
| 8" | 2'-0" | 10 : 3 | 5 TO 10 |
| 8" | 2'-0" | 15 : 5 | 11 TO 20 |
| 8" | 2'-0" | 20 : 6 | 21 TO 30 |
| 8" | 2'-0" | 31 : 0 | 31 TO 40 |
| 8" | 2'-0" | 41 : 3 | 41 TO 55 |
| 10" | 2'-6" | 20 : 9 | 5 TO 15 |
| 10" | 2'-6" | 27 : 8 | 16 TO 25 |
| 10" | 2'-6" | 41 : 7 | 26 TO 35 |
| 10" | 2'-6" | 55 : 6 | 36 TO 45 |
| 10" | 2'-6" | 69 : 5 | 46 TO 55 |
| 12" | 2'-6" | 27 : 6 | 5 TO 15 |
| 12" | 2'-6" | 36 : 8 | 16 TO 25 |
| 12" | 2'-6" | 55 : 3 | 26 TO 35 |
| 12" | 2'-6" | 73 : 7 | 36 TO 45 |
| 12" | 2'-6" | 92 : 1 | 46 TO 55 |

JURUPA COMMUNITY SERVICES DISTRICT

SCALE: NONE

THRUST BLOCKS W/O JOINT RESTRAINTS FOR D.I.P./PVC PIPELINES, CLASS 200 P.S.I. MAX.

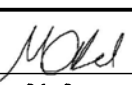
DRAWING NO.

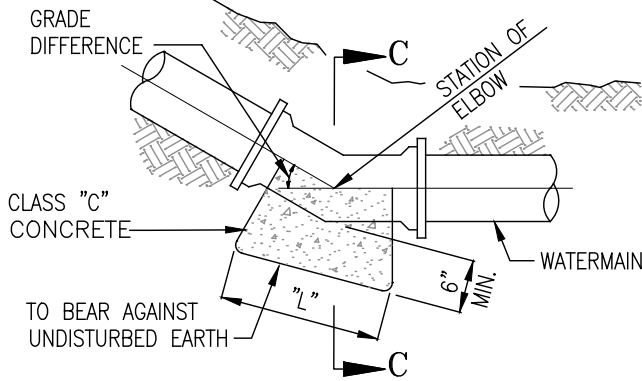
C-1

DATE: JANUARY 2026

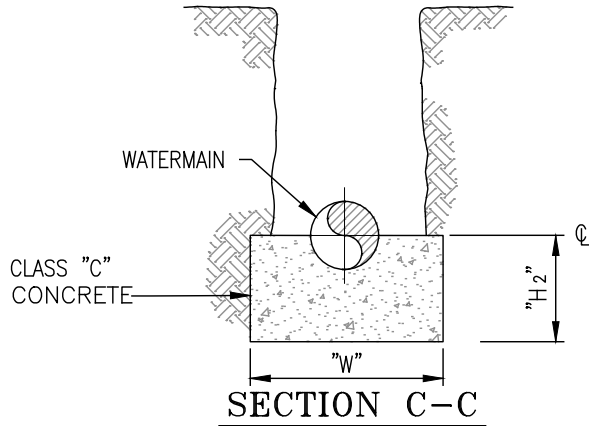
SHEET 1 OF 2

APPROVED BY: 
Jesse Pompa, Dir. Of Eng. & Wtr Resources

APPROVED BY: 
Matthew Abel, Dir. Of Ops.



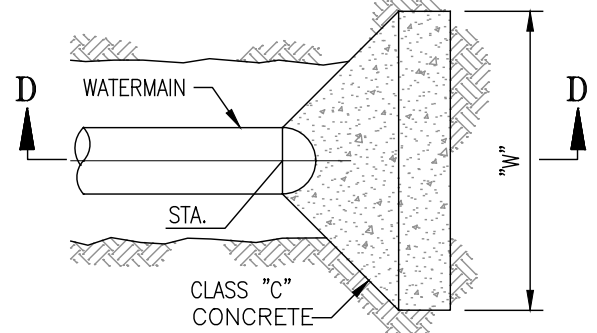
SECTIONAL ELEVATION



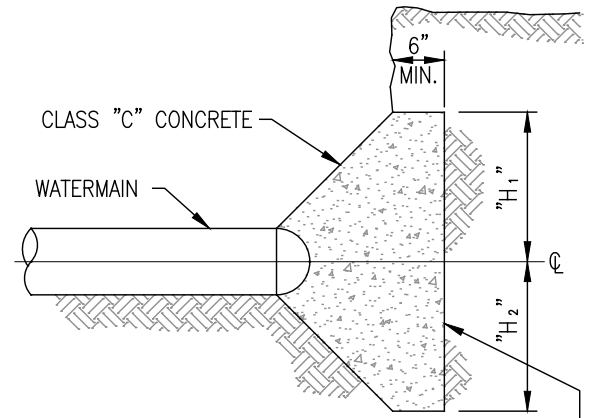
SECTION C-C

VERTICAL BEARER BLOCK

| PIPE DIA. | "W" | "H 2" | "L" | GRADE % DIFF. |
|-----------|-------|-------|-------|---------------|
| 4" | 1'-6" | 8" | 12" | 5 TO 60 |
| 6" | 2'-0" | 9" | 12" | 5 TO 40 |
| 6" | 2'-0" | 9" | 1'-6" | 41 TO 55 |
| 8" | 2'-0" | 10" | 12" | 5 TO 25 |
| 8" | 2'-0" | 10" | 1'-6" | 26 TO 40 |
| 8" | 2'-0" | 10" | 2'-0" | 41 TO 55 |
| 10" | 2'-6" | 14" | 12" | 5 TO 10 |
| 10" | 2'-6" | 14" | 2'-0" | 11 TO 40 |
| 10" | 2'-6" | 14" | 3'-0" | 41 TO 60 |
| 12" | 2'-6" | 15" | 2'-0" | 5 TO 25 |
| 12" | 2'-6" | 15" | 3'-0" | 26 TO 45 |
| 12" | 2'-6" | 15" | 4'-0" | 46 TO 60 |



SECTIONAL PLAN

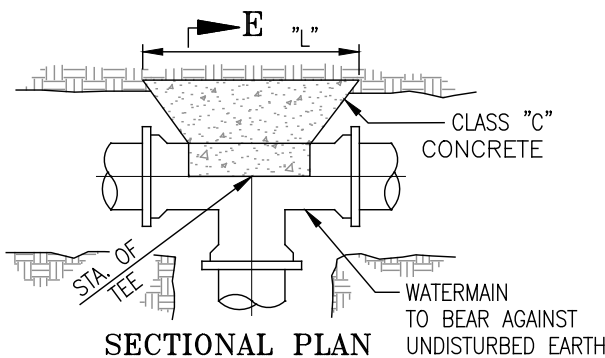


TO BEAR AGAINST UNDISTURBED EARTH

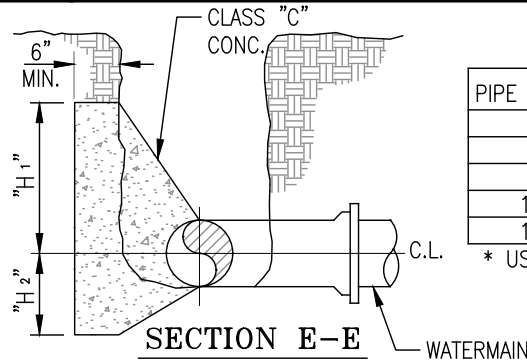
SECTION D-D

END THRUST BLOCK

| PIPE DIA. | "H 1" | "H 2" | "W" |
|-----------|--------|-------|-------|
| 4" | 9" | 6" | 3'-6" |
| 6" | 1'-6" | 9" | 4'-0" |
| 8" | 2'-2" | 13" | 4'-0" |
| 10" | 2'-10" | 17" | 4'-0" |
| 12" | 3'-0" | 1'-6" | 5'-0" |



SECTIONAL PLAN



SECTION E-E

| PIPE DIA.* | "H 1" | "H 2" | "W" |
|------------|--------|-------|-------|
| 4" | 9" | 6" | 3'-6" |
| 6" | 1'-6" | 9" | 4'-0" |
| 8" | 2'-2" | 13" | 4'-0" |
| 10" | 2'-10" | 17" | 4'-0" |
| 12" | 3'-0" | 1'-6" | 5'-0" |

* USE OUTLET PIPE DIAMETER

TEE THRUST BLOCK

JURUPA COMMUNITY SERVICES DISTRICT

SCALE: NONE

DATE: JANUARY 2026

THRUST BLOCKS W/O JOINT RESTRAINTS FOR D.I.P./PVC PIPELINES, CLASS 200 P.S.I. MAX.

DRAWING NO.

C-1

SHEET 2 OF 2

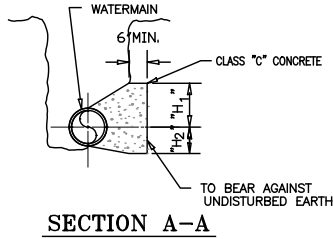
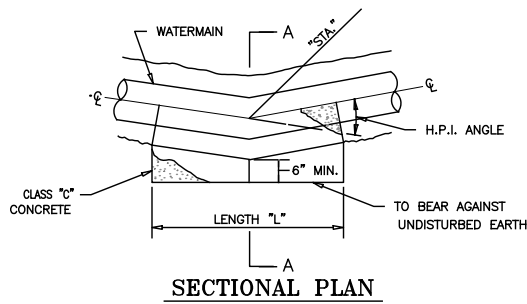
REV.

APPROVED BY:

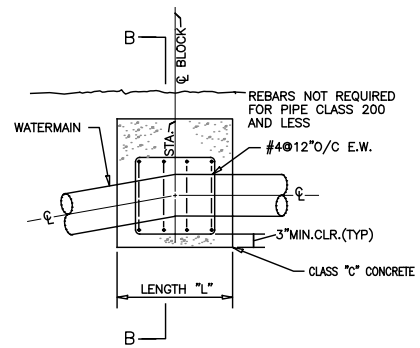
Jesse Pompa, Dir. Of Eng. & Wtr Resources

APPROVED BY:

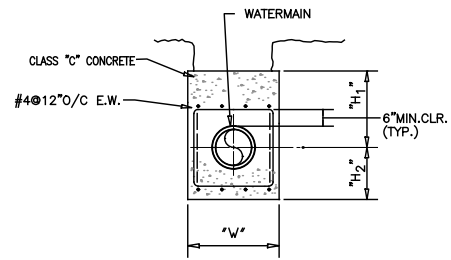
Matthew Abel, Dir. Of Ops.



| HORIZONTAL THRUST BLOCK | | | | | |
|-------------------------|-------------------|-------------------|--------|-------------------------------|----------------------------------|
| PIPE DIA. | "H ₁ " | "H ₂ " | "L" | H.P.I. ANGLE (DEGREES) | |
| | | | | CL. 150 | GREATER THAN CL.150 UP TO CL.200 |
| | | | | MINIMUM DESIGN PIPELINE COVER | |
| | | | | 2.5' | 2.5' |
| 6"φ & 8"φ | 9" | 9" | 2'-0" | 5'-21" | 5'-16" |
| | 9" | 9" | 4'-0" | 22'-43" | 17'-32" |
| | 9" | 9" | 6'-0" | 44'-67" | 33'-49" |
| | 2'-0" | 1'-0" | 5'-0" | 68'-101" | 50'-70" |
| | 2'-0" | 1'-3" | 7'-0" | | 71'-105" |
| | | | | 3.0' | 3.0' |
| 10"φ & 12"φ | 1'-0" | 1'-0" | 2'-0" | 5'-15" | 5'-11" |
| | 1'-0" | 1'-0" | 4'-0" | 16'-31" | 12'-23" |
| | 1'-0" | 1'-0" | 6'-0" | 32'-48" | 24'-36" |
| | 3'-0" | 1'-6" | 4'-0" | 49'-58" | 37'-42" |
| | 3'-0" | 1'-6" | 6'-0" | 59'-93" | 43'-66" |
| | | | | 67'-93" | |
| 14"φ & 16"φ | | | | 3.5' | 3.5' |
| | 1'-6" | 1'-6" | 2'-0" | 5'-15" | 5'-11" |
| | 1'-6" | 1'-6" | 4'-0" | 16'-32" | 12'-24" |
| | 1'-6" | 1'-6" | 6'-0" | 33'-49" | 25'-36" |
| | 3'-6" | 1'-9" | 6'-0" | 50'-70" | 37'-51" |
| | | | | 52'-70" | |
| | | | | 71'-100" | |
| | | | | 71'-92" | |
| 18"φ & 20"φ | | | | 3.5' | 3.5' |
| | 1'-6" | 1'-6" | 3'-0" | 4'-15" | 4'-11" |
| | 1'-6" | 1'-6" | 6'-0" | 16'-32" | 12'-23" |
| | 4'-0" | 2'-0" | 5'-0" | 33'-41" | 24'-30" |
| | 4'-0" | 2'-0" | 7'-0" | 42'-59" | 31'-43" |
| | | | | 44'-57" | |
| | | | | 58'-71" | |
| | | | | 72'-87" | |
| 21"φ & 24"φ | | | | 3.5' | 3.5' |
| | 1'-6" | 1'-6" | 4'-0" | 3'-15" | 3'-11" |
| | 1'-6" | 1'-6" | 8'-0" | 16'-30" | 12'-22" |
| | 1'-6" | 1'-6" | 10'-0" | 31'-38" | 23'-28" |
| | 4'-0" | 2'-0" | 8'-0" | 39'-48" | 29'-36" |
| | | | | 49'-62" | |
| | | | | 46'-55" | |
| | | | | 56'-65" | |
| | | | | 66'-76" | |
| | | | | 77'-92" | |
| 27"φ & 30"φ | | | | 4.0' | 4.0' |
| | 2'-0" | 2'-0" | 4'-0" | 3'-15" | 3'-11" |
| | 2'-0" | 2'-0" | 8'-0" | 16'-30" | 12'-22" |
| | 4'-6" | 2'-3" | 8'-0" | 31'-40" | 23'-30" |
| | 4'-6" | 2'-3" | 10'-0" | 41'-51" | 31'-38" |
| | | | | 52'-63" | |
| | | | | 39'-46" | |
| | | | | 64'-75" | |
| | | | | 47'-54" | |
| | | | | 76'-90" | |
| | | | | 55'-64" | |
| | | | | 65'-79" | |
| | | | | 80'-95" | |
| 33"φ & 36"φ | | | | 4.0' | 4.5' |
| | 2'-0" | 2'-0" | 4'-0" | 3'-11" | 3'-9" |
| | 2'-0" | 2'-0" | 8'-0" | 12'-22" | 10'-18" |
| | 5'-0" | 2'-6" | 8'-0" | 23'-32" | 19'-26" |
| | 5'-0" | 2'-6" | 11'-0" | 33'-45" | 27'-37" |
| | | | | 38'-48" | |
| | | | | 46'-58" | |
| | | | | 59'-72" | |
| | | | | 49'-59" | |
| | | | | 73'-88" | |
| | | | | 60'-71" | |
| | | | | 72'-86" | |



SECTIONAL ELEVATION



SECTION B-B

| VERTICAL ANCHOR BLOCK | | | | | | |
|-----------------------|-------------------|-------------------|-------|--------|----------------------|----------------------------------|
| PIPE DIA. | "H ₁ " | "H ₂ " | "W" | "L" | GRADE DIFFERENCE (%) | |
| | | | | | CL. 150 | GREATER THAN CL.150 UP TO CL.200 |
| | | | | | | |
| 6"φ & 8"φ | 2'-0" | 2'-0" | 2'-0" | 1'-6" | 4%-24% | 4%-17% |
| | 2'-0" | 2'-0" | 2'-0" | 2'-6" | 25%-41% | 18%-30% |
| | 2'-0" | 2'-0" | 2'-0" | 3'-6" | 42%-63% | 31%-43% |
| | 2'-0" | 2'-0" | 2'-0" | 5'-6" | 64%-154% | 44%-81% |
| | 2'-0" | 2'-0" | 2'-0" | 7'-0" | | 82%-130% |
| 10"φ & 12"φ | 2'-6" | 2'-6" | 3'-0" | 2'-0" | 4%-25% | 4%-19% |
| | 2'-6" | 2'-6" | 3'-0" | 3'-0" | 26%-40% | 20%-29% |
| | 2'-6" | 2'-6" | 3'-0" | 4'-6" | 41%-68% | 30%-46% |
| | 2'-6" | 2'-6" | 3'-0" | 6'-6" | 69%-141% | 47%-77% |
| | 3'-0" | 3'-0" | 3'-0" | 7'-0" | | 78%-132% |
| 14"φ & 16"φ | 3'-0" | 3'-0" | 4'-0" | 2'-0" | 4%-23% | 4%-17% |
| | 3'-0" | 3'-0" | 4'-0" | 3'-6" | 25%-42% | 18%-30% |
| | 3'-0" | 3'-0" | 4'-0" | 5'-0" | 43%-67% | 31%-46% |
| | 3'-0" | 3'-0" | 4'-0" | 7'-0" | 68%-127% | 47%-73% |
| | 3'-0" | 3'-0" | 4'-0" | 10'-0" | | 74%-157% |
| 18"φ & 20"φ | 3'-0" | 3'-0" | 4'-6" | 3'-0" | 4%-24% | 4%-18% |
| | 3'-0" | 3'-0" | 4'-6" | 5'-0" | 25%-42% | 19%-30% |
| | 3'-0" | 3'-0" | 4'-6" | 7'-0" | 43%-66% | 31%-45% |
| | 3'-0" | 3'-0" | 4'-6" | 10'-0" | 67%-128% | 46%-73% |
| | 3'-0" | 3'-0" | 4'-6" | 13'-0" | | 74%-120% |
| 21"φ & 24"φ | 3'-0" | 3'-0" | 5'-0" | 3'-0" | 4%-18% | 4%-13% |
| | 3'-0" | 3'-0" | 5'-0" | 5'-0" | 19%-31% | 14%-22% |
| | 3'-0" | 3'-0" | 5'-0" | 7'-0" | 32%-45% | 23%-32% |
| | 3'-0" | 3'-0" | 5'-0" | 9'-0" | 46%-63% | 33%-43% |
| | 3'-0" | 3'-0" | 5'-0" | 11'-0" | 64%-85% | 44%-56% |
| 27"φ & 30"φ | 3'-0" | 3'-0" | 5'-0" | 14'-0" | 86%-148% | 57%-79% |
| | 3'-6" | 3'-6" | 5'-0" | 15'-0" | | 80%-129% |
| | 3'-6" | 3'-6" | 6'-0" | 3'-0" | 4%-15% | 4%-11% |
| | 3'-6" | 3'-6" | 6'-0" | 5'-0" | 16%-27% | 12%-20% |
| | 3'-6" | 3'-6" | 6'-0" | 7'-0" | 28%-39% | 21%-28% |
| 33"φ & 36"φ | 3'-6" | 3'-6" | 6'-0" | 9'-0" | 40%-53% | 29%-37% |
| | 3'-6" | 3'-6" | 6'-0" | 11'-0" | 54%-70% | 38%-47% |
| | 3'-6" | 3'-6" | 6'-0" | 13'-0" | 71%-93% | 48%-59% |
| | 3'-6" | 3'-6" | 6'-0" | 15'-0" | 94%-127% | 60%-73% |
| | 4'-0" | 4'-0" | 6'-0" | 16'-0" | | 74%-101% |
| 33"φ & 36"φ | 4'-0" | 4'-0" | 6'-0" | 18'-0" | | 102%-133% |
| | 3'-6" | 3'-6" | 7'-0" | 4'-0" | 4%-17% | 4%-12% |
| | 3'-6" | 3'-6" | 7'-0" | 6'-0" | 18%-26% | 13%-19% |
| | 3'-6" | 3'-6" | 7'-0" | 8'-0" | 27%-35% | 20%-26% |
| | 3'-6" | 3'-6" | 7'-0" | 10'-0" | 36%-45% | 27%-32% |
| 33"φ & 36"φ | 3'-6" | 3'-6" | 7'-0" | 13'-0" | 46%-63% | 33%-44% |
| | 4'-0" | 4'-0" | 7'-0" | 14'-0" | 64%-91% | 45%-58% |
| | 4'-0" | 4'-0" | 7'-0" | 16'-0" | 92%-120% | 59%-71% |
| | 4'-0" | 4'-0" | 7'-0" | 18'-0" | | 72%-85% |
| | 4'-0" | 4'-0" | 7'-0" | 21'-0" | | 86%-116% |

JURUPA COMMUNITY SERVICES DISTRICT

SCALE: NONE

THRUST BLOCKS W/O JOINT RESTRAINT FOR
WELDED STEEL PIPELINES, CLASS 200 P.S.I. MAX.

DRAWING NO.

DATE: JANUARY 2026

C-2

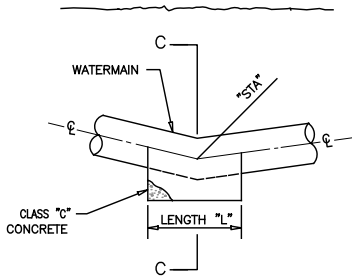
APPROVED BY:

APPROVED BY:

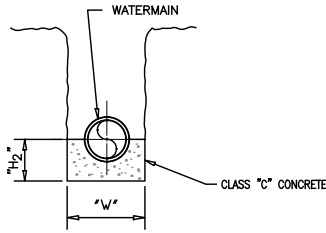
Jesse Pompa, Dir. Of Eng. & Wtr Resources

Matthew Abel, Dir. Of Ops.

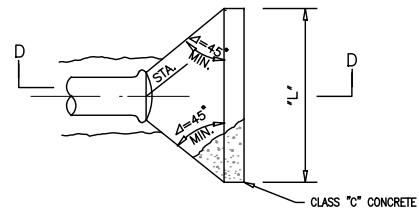
SHEET 1 OF 3



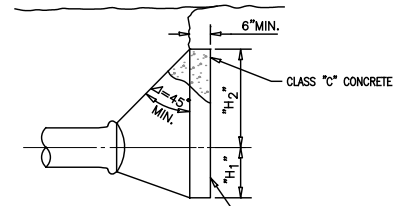
SECTIONAL ELEVATION



SECTION C-C

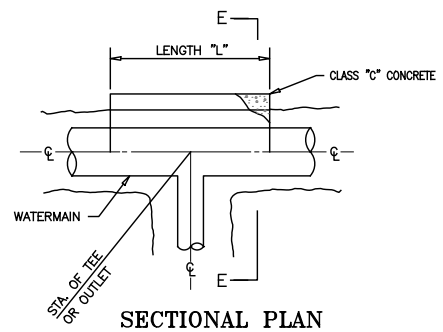


SECTIONAL PLAN

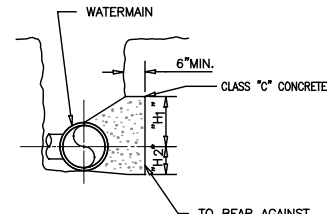


SECTION D-D

TO BEAR AGAINST UNDISTURBED EARTH



SECTIONAL PLAN



SECTION E-E

| VERTICAL BEARER BLOCK | | | | | | |
|-----------------------|-------------------|-------|-------|----------------------|----------------------------------|--|
| PIPE DIA. | "H ₂ " | "W" | "L" | GRADE DIFFERENCE (%) | | |
| | | | | CL. 150 | GREATER THAN CL.150 UP TO CL.200 | |
| 6"φ & 8"φ | 1'-0" | 2'-0" | 0'-6" | 4%-43% | 4%-31% | |
| | 1'-0" | 2'-0" | 1'-0" | 44%-131% | 32%-74% | |
| | 1'-0" | 2'-0" | 1'-6" | | 75%-202% | |
| 10"φ & 12"φ | 1'-0" | 2'-6" | 1'-0" | 4%-49% | 4%-35% | |
| | 1'-0" | 2'-6" | 1'-6" | 50%-88% | 36%-57% | |
| | 1'-0" | 2'-6" | 2'-0" | 89%-189% | 58%-88% | |
| 14"φ & 16"φ | 1'-0" | 2'-6" | 2'-6" | | 89%-142% | |
| | 1'-6" | 3'-0" | 1'-0" | 4%-31% | 4%-22% | |
| | 1'-6" | 3'-0" | 1'-6" | 32%-50% | 23%-35% | |
| | 1'-6" | 3'-0" | 2'-0" | 51%-74% | 36%-50% | |
| 18"φ & 20"φ | 1'-6" | 3'-0" | 3'-0" | 76%-201% | 51%-90% | |
| | 1'-6" | 3'-0" | 4'-0" | | 91%-201% | |
| | 1'-6" | 3'-0" | 1'-6" | 4%-29% | 4%-21% | |
| | 1'-6" | 3'-0" | 2'-0" | 30%-41% | 22%-29% | |
| | 1'-6" | 3'-0" | 2'-6" | 42%-54% | 30%-38% | |
| 21"φ & 24"φ | 1'-6" | 3'-0" | 3'-0" | 55%-69% | 39%-47% | |
| | 1'-6" | 3'-0" | 4'-0" | 70%-118% | 48%-69% | |
| | 1'-6" | 3'-0" | 5'-0" | | 70%-102% | |
| | 1'-6" | 3'-0" | 6'-0" | | 103%-168% | |
| | 1'-6" | 3'-6" | 1'-6" | 4%-23% | 4%-17% | |
| 27"φ & 30"φ | 1'-6" | 3'-6" | 2'-6" | 24%-41% | 18%-30% | |
| | 1'-6" | 3'-6" | 3'-6" | 42%-64% | 31%-44% | |
| | 1'-6" | 3'-6" | 4'-6" | 65%-97% | 45%-61% | |
| | 1'-6" | 3'-6" | 5'-6" | 98%-162% | 62%-82% | |
| | 1'-6" | 3'-6" | 7'-0" | | 83%-139% | |
| | 2'-0" | 4'-6" | 2'-0" | 4%-26% | 4%-19% | |
| | 2'-0" | 4'-6" | 3'-0" | 27%-41% | 20%-30% | |
| | 2'-0" | 4'-6" | 4'-0" | 42%-59% | 31%-41% | |
| 33"φ & 36"φ | 2'-0" | 4'-6" | 5'-0" | 60%-82% | 42%-54% | |
| | 2'-0" | 4'-6" | 6'-6" | 83%-147% | 55%-79% | |
| | 2'-0" | 4'-6" | 7'-6" | | 80%-102% | |
| | 2'-0" | 4'-6" | 8'-6" | | 103%-138% | |
| | 2'-0" | 5'-6" | 2'-0" | 4%-22% | 4%-16% | |
| | 2'-0" | 5'-6" | 3'-6" | 23%-41% | 17%-30% | |
| 33"φ & 36"φ | 2'-0" | 5'-6" | 5'-0" | 42%-64% | 31%-44% | |
| | 2'-0" | 5'-6" | 6'-6" | 65%-99% | 45%-62% | |
| | 2'-0" | 5'-6" | 8'-0" | 100%-172% | 63%-85% | |
| | 2'-0" | 5'-6" | 9'-6" | | 86%-121% | |

| END THRUST BLOCK & TEE THRUST BLOCK | | | | |
|-------------------------------------|-------------------|-------------------|------------|----------------------------------|
| PIPE DIA. | "H ₁ " | "H ₂ " | LENGTH "L" | |
| | | | CL.150 | GREATER THAN CL.150 UP TO CL.200 |
| MINIMUM DESIGN PIPELINE COVER | | | | |
| 6"φ & 8"φ | 2'-0" | 1'-0" | 2.5' | 2.5' |
| | | | 3'-0" | 4'-0" |
| 10"φ & 12"φ | 2'-0" | 1'-0" | 3.0' | 3.0' |
| | | | 5'-6" | 7'-6" |
| 14"φ & 16"φ | 3'-0" | 1'-6" | 3.5' | 3.5' |
| | | | 6'-0" | 8'-0" |
| 18"φ & 20"φ | 3'-6" | 1'-9" | 3.5' | 3.5' |
| | | | 7'-6" | 10'-0" |
| 21"φ & 24"φ | 4'-0" | 2'-0" | 3.5' | 3.5' |
| | | | 9'-6" | 12'-6" |
| 27"φ & 30"φ | 4'-6" | 2'-3" | 4.0' | 4.0' |
| | | | 11'-6" | 15'-6" |
| 33"φ & 36"φ | 5'-0" | 2'-6" | 4.0' | 4.5' |
| | | | 14'-6" | 17'-6" |

JURUPA COMMUNITY SERVICES DISTRICT

SCALE: NONE

DATE: JANUARY 2026

THRUST BLOCKS W/O JOINT RESTRAINT FOR WELDED STEEL PIPELINES, CLASS 200 P.S.I. MAX.

DRAWING NO.

C-2

SHEET 2 OF 3

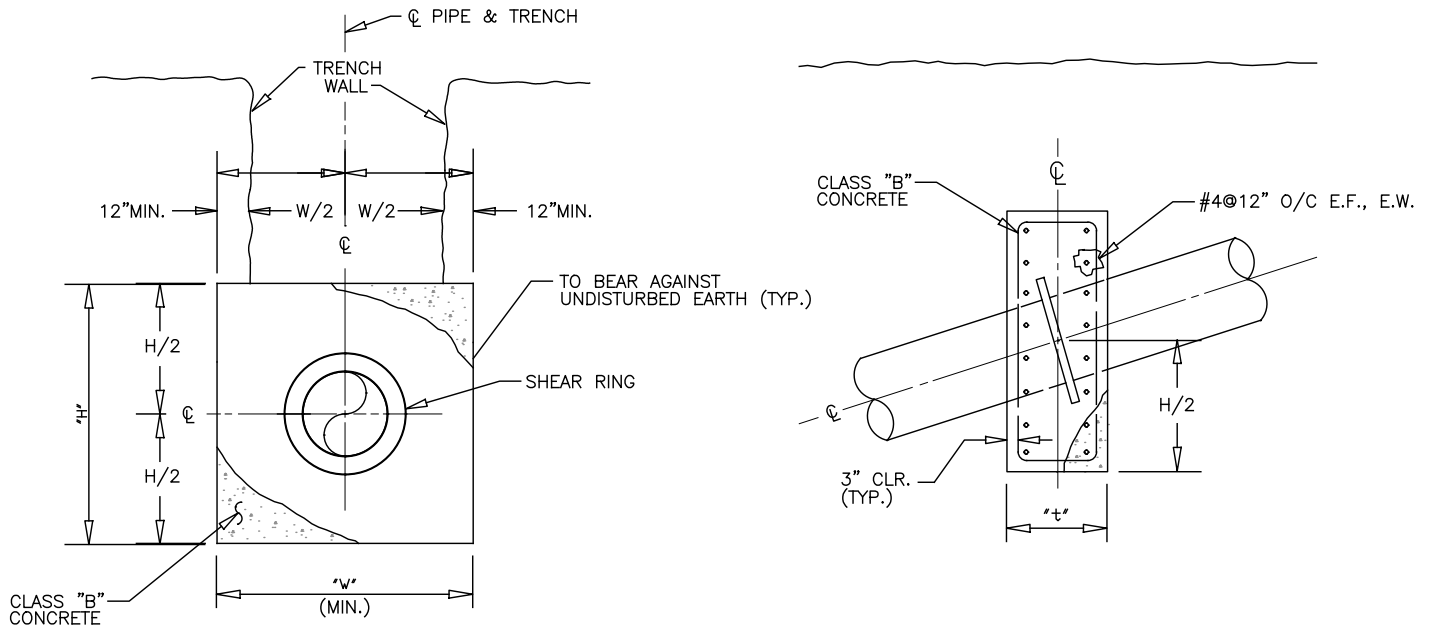
REV.

APPROVED BY:

Jesse Pompa, Dir. Of Eng. & Wtr Resources

APPROVED BY:

Matthew Abel, Dir. Of Ops.



| PIPE DIA. | SHEAR RING BLOCK | | | | | |
|-------------|------------------|--------|----------------|-----------------------------------|--------|------|
| | CL. 150 | | | GREATER THAN CL.150 UP TO CL. 200 | | |
| | MINIMUM DESIGN | | PIPELINE COVER | PIPELINE COVER | | |
| "H" | "W" | "H" | | "W" | | |
| 6"φ & 8"φ | 2'-6" | 4'-6" | 12" | 2'-6" | 5'-6" | 12"* |
| 10"φ & 12"φ | 3'-6" | 5'-6" | 12" | 3'-6" | 7'-0" | 12"* |
| 14"φ & 16"φ | 4'-0" | 8'-0" | 12" | 4'-0" | 9'-0" | 15"* |
| 18"φ & 20"φ | 5'-0" | 8'-6" | 15"* | 6'-0" | 9'-0" | 18"* |
| 21"φ & 24"φ | 6'-0" | 9'-6" | 21"* | 7'-0" | 10'-6" | 21"* |
| 27"φ & 30"φ | 8'-0" | 9'-6" | 22"* | 8'-6" | 11'-6" | 27"* |
| 33"φ & 36"φ | 9'-0" | 11'-6" | 24"* | 10'-0" | 12'-6" | 30"* |

* USE REBAR #4 @ 12" O/C E.F. & E.W.

NOTES:

- ALL THRUST BLOCKS SHALL BE A MINIMUM OF CLASS "C" CONCRETE (4.0 SACKS MIX) AS PER SPECIFICATIONS, EXCEPT SHEAR RING BLOCK WHICH SHALL BE A MINIMUM OF CLASS "B" CONCRETE (5.0 SACKS MIX).
- RE-BAR SHALL BE INTERMEDIATE GRADE DEFORMED BARS CONFORMING TO A.S.T.M. SPEC. A-15 & A-305.
- RE-BAR LAP LENGTH = 18" MIN. OR 36 x RE-BAR DIA., WHICHEVER IS GREATER.
- REBARS ARE REQUIRED FOR SHEAR RING BLOCKS AS NOTED.
- HORIZONTAL THRUST BLOCKS, TEE & END BLOCKS, & SHEAR RING BLOCKS.
 - THE ALLOWABLE LATERAL BEARING PRESSURE AGAINST UNDISTURBED EARTH (P_p) USED IN DESIGN OF BLOCKS IS 333 LBS./SQ. FT./FT. OF DEPTH.
 - THE ALLOWABLE LATERAL BEARING PRESSURE WAS DETERMINED BY USING THE MINIMUM DESIGN PIPELINE COVER AS SHOWN IN THE THRUST BLOCK TABLES.
 - THE TOTAL RESULTANT THRUST FOR HORIZONTAL ANGLES WAS DETERMINED USING THE RELATIONSHIP
 $HT = 2P \frac{T}{4} D^2 \sin \frac{\Delta}{2}$
 WHERE HT= TOTAL HORIZONTAL THRUST, LBS.
 D= INSIDE DIAMETER, IN.
 P= INTERNAL PRESSURE, P.S.I.
 Δ= H.P.I., DEGREES.
- VERTICAL BEARING BLOCK & VERTICAL ANCHOR BLOCK,
 - THE ALLOWABLE FOUNDATION PRESSURE AGAINST UNDISTURBED EARTH (P_p) USED FOR DETERMINING THE REQUIRED BEARING BLOCK IS 3000 LBS./SQ.FT.
 - THE TOTAL RESULTANT THRUST FOR VERTICAL ANGLES WAS APPROXIMATED USING THE RELATIONSHIP
 $VT = P \frac{T}{4} D^2 \sin \Delta$ (Δ=TAN⁻¹ 9/100).
 WHERE VT= TOTAL VERTICAL THRUST, LBS.
 D= INSIDE PIPE DIAMETER, IN.
 P= INTERNAL PRESSURE, P.S.I.
 Δ= V.P.I., DEGREES.
 g= GRADE DIFFERENCE (%).

JURUPA COMMUNITY SERVICES DISTRICT

SCALE: NONE

**THRUST BLOCKS W/O JOINT RESTRAINT FOR
WELDED STEEL PIPELINES, CLASS 200 P.S.I. MAX.**

DRAWING NO.

C-2

SHEET 3 OF 3

APPROVED BY:

Jesse Pompa, Dir. Of Eng. & Wtr Resources

APPROVED BY:

Matthew Abel, Dir. Of Ops.

REV.

MINIMUM PIPE WELDING LENGTHS FOR RESISTANCE

| PIPE DIA. | INSTALLATIONS FOR CLASS 150 UP TO CLASS 200 (MAX.) | | | |
|-----------|---|----------|----------|----------|
| | ANGLE OF BEND* | | | |
| | 0-22.5° | 22.5-45° | 45-67.5° | 67.5-90° |
| 4" | 5' | 15' | 35' | 55' |
| 6" | 10' | 25' | 50' | 80' |
| 8" | 10' | 30' | 65' | 100' |
| 10" | 10' | 40' | 80' | 125' |
| 12" | 10' | 40' | 80' | 125' |
| 14" | 15' | 40' | 80' | 130' |
| 16" | 15' | 45' | 95' | 150' |
| 18" | 15' | 50' | 105' | 165' |
| 20" | 15' | 55' | 115' | 180' |
| 24" | 20' | 65' | 135' | 215' |
| 30" | 20' | 80' | 160' | 260' |
| 36" | 25' | 90' | 190' | 305' |

* AT THE BREAK POINT ANGLES (i.e: 22.5°, 45°, AND 67.5°) THE CONTRACTOR SHALL USE THE THRUST RESTRAINT COLUMN SHOWING THE LONGEST WELD LENGTH.

GENERAL NOTES

1. WELDED PIPE LENGTHS TO BE USED ONLY UPON APPROVAL BY J.C.S.D.
2. WELDED LENGTHS INDICATED ARE TO BE PROVIDED ON EACH SIDE OF BEND.
3. ALL JOINTS WITHIN THE LENGTHS INDICATED SHALL BE FULL WELD, DOUBLE PASS.
4. "DEAD END" THRUST IS EQUIVALENT TO A 90° BEND.
5. FOR SERVICE LATERALS, INCLUDING FIRE HYDRANTS, FIRE SERVICES, BLOW-OFFS ETC., FULLY WELD ALL MAINLINE JOINTS (DOUBLE PASS) 10' MINIMUM EACH SIDE OF TEE OUTLET.

THE FOLLOWING ASSUMPTIONS APPLY

1. LENGTH OF WELDED PIPE IS FOR EACH SIDE OF BEND USING THE FOLLOWING EQUATION:

$$L = 1.5PA (1 - \cos \Delta) / [U(2W_e + W_p + W_w)]$$

WHERE: P = MAXIMUM TEST PRESSURE (PSI)

A = CROSS-SECTION AREA OF THE PIPE (SQ. IN.)

Δ = ANGLE OF BEND (DEGREES)

U = COEFF. OF FRICTION BETWEEN PIPE AND SOIL (ASSUMED 0.3)

W_e = WEIGHT OF THE PRISM OR SOIL OVER THE PIPE (LB/FT.) OF PIPE LENGTH
(WT. OF SOIL ASSUMED TO BE 110 LB/CU. FT.)

W_p = WEIGHT OF THE PIPE (LB/FT)

W_w = WEIGHT OF THE CONTAINED WATER (LB/FT)

2. 3' MINIMUM PIPE COVER FOR PIPE DIAMETERS < 12", 4' MINIMUM PIPE COVER FOR PIPE DIAMETERS > 12".
3. FACTOR OF SAFETY = 1.5 TIMES MAXIMUM DESIGN PRESSURE. (200 PSI)
4. MAXIMUM ANGLE (?) USED FOR EACH RANGE SHOWN.

JURUPA COMMUNITY SERVICES DISTRICT

SCALE: NONE

DATE: JANUARY 2026

MINIMUM PIPE WELDING LENGTH FOR THRUST RESTRAINT

DRAWING NO.

C-2A

REV.

APPROVED BY:



Jesse Pompa, Dir. Of Eng. & Wtr Resources

APPROVED BY:



Matthew Abel, Dir. Of Ops.

STANDARD DRAWING NO. C-2B DELETED

JURUPA COMMUNITY SERVICES DISTRICT

SCALE: NONE

DATE: JANUARY 2026

STANDARD RESTRAINT TEES,
DEAD ENDS & BENDS FOR PVC C-909

DRAWING NO.

C-2B

REV.

APPROVED BY:

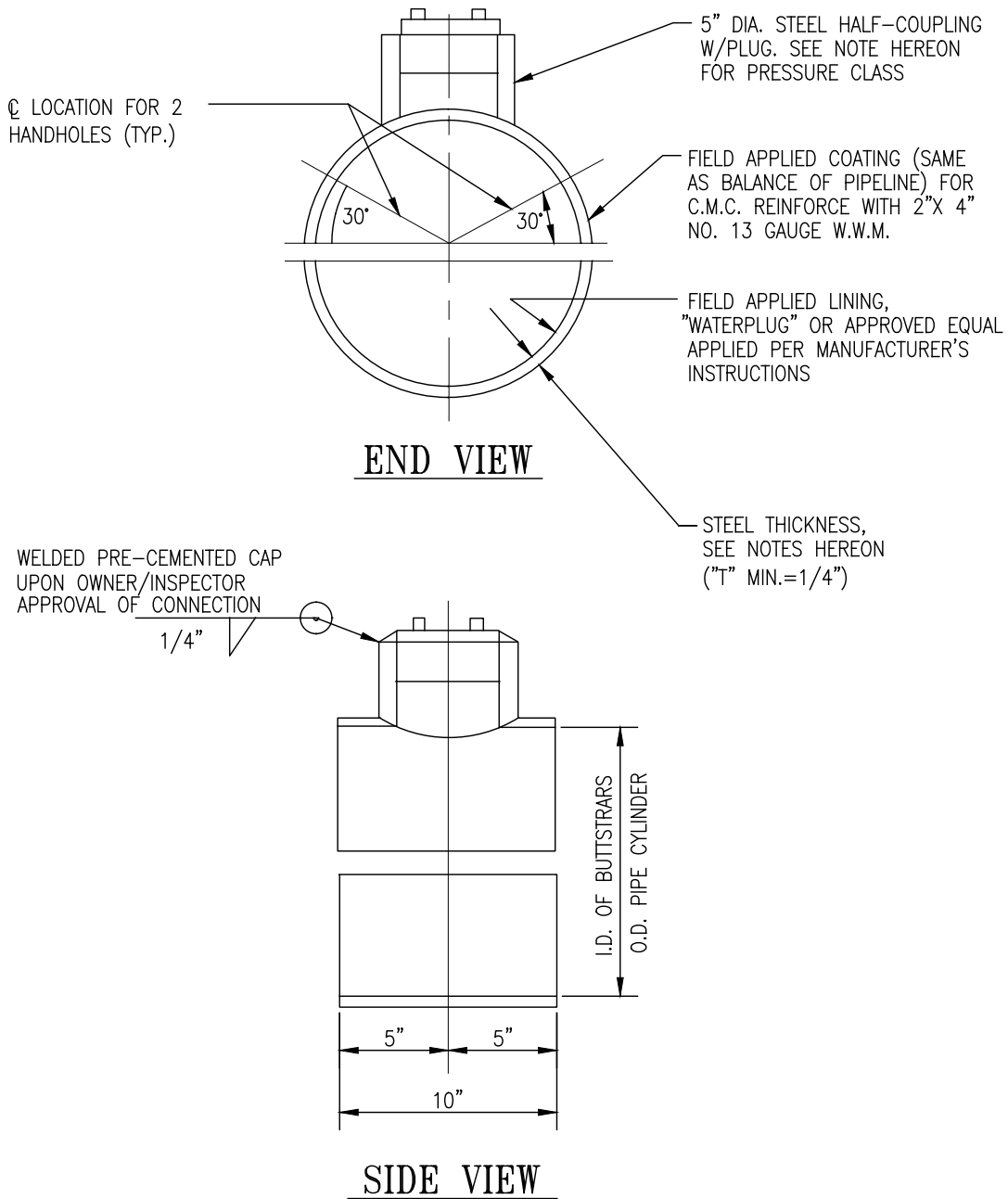


Jesse Pompa, Dir. Of Eng. & Wtr Resources

APPROVED BY:



Matthew Abel, Dir. Of Ops.



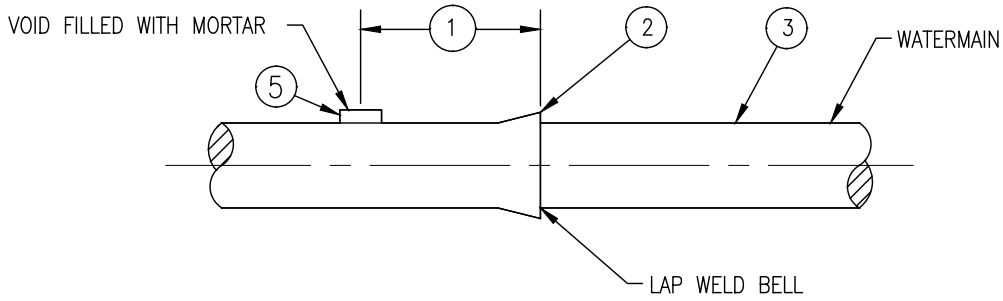
NOTES:

- ① 1 HANDHOLE REQUIRED FOR 4"Ø PIPE THROUGH 14"Ø PIPE.
- ② 2 HANDHOLES REQUIRED FOR 20"Ø PIPE THROUGH 30"Ø PIPE.
- ③ UP TO CLASS 200 PIPELINES:
 "T" = 1/4" FOR 4" DIA. THROUGH 30" DIA.
 "T" = 5/16" FOR 36" DIA.
 5" - BLACK, HALF-COUPLING, STD. WT.
 5" - BLACK, CORED, BAR PLUG, STD. WT.
- ④ GREATER THAN CLASS 200 THROUGH CLASS 350 PIPELINES:
 "T" = 1/4" FOR 4" DIA. THROUGH 20" DIA.
 "T" = 5/16" FOR 24" DIA.
 "T" = 3/8" FOR 30" DIA. & 36" DIA.
 5" - BLACK, HALF-COUPLING, EXTRA HEAVY
 5" - BLACK, SOLID, BAR PLUG, EXTRA HEAVY
- ⑤ 4 HANDHOLES REQUIRED FOR PIPE SIZES GREATER THAN 30" DIA.
- ⑥ 4 HANDHOLES REQUIRED FOR PIPE SIZES GREATER
- ⑦ WEDDING BAND NOT ALLOWED

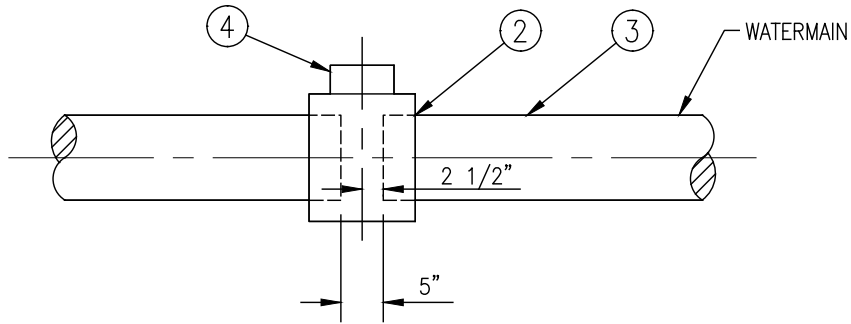
JURUPA COMMUNITY SERVICES DISTRICT

| | | |
|---|--------------------------------------|-------------|
| SCALE: NONE | TYPICAL BUTT STRAP CONNECTION | DRAWING NO. |
| DATE: JANUARY 2026 | CML/CMC PIPE | C-3 |
| APPROVED BY: | APPROVED BY: | |
| Jesse Pomba, Dir. Of Eng. & Wtr Resources | Matthew Abel, Dir. Of Ops. | |

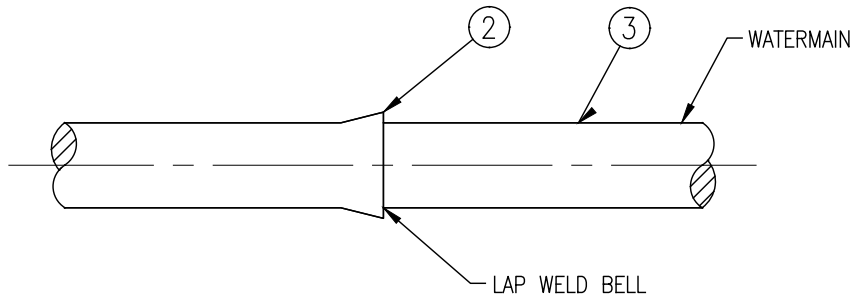
REV.



TYPE - I



TYPE - II



TYPE - III

NOTES:

- ① 1'-0" (12" ϕ THRU 36" ϕ) AND 6" (LESS THAN 12" ϕ) PER STD. NO. C-3.
- ② CUT-TO-FIT OPTIONAL TO THE CONTRACTOR UNLESS OTHERWISE NOTED ON THE PLANS. WELD AS PER SPEC'S.
- ③ CUT-TO-FIT PIPE (LENGTH AS SHOWN ON PLANS). HOLD COATING DISTANCE OF C.T.F. + 6" FIELD APPLIED COATING.
- ④ SPLIT BUTT-STRAP WITH 1 OR 2 HANDHOLES PER STD. NO. C-3.
- ⑤ 5" HALF COUPLING PER STD. NO. C-3 REQUIREMENTS WITH 1/4" PLATE WELDED TO TOP, 10" x 1/4" REINFORCEMENT COLLAR

JURUPA COMMUNITY SERVICES DISTRICT

SCALE: NONE

DATE: JANUARY 2026

**TYPICAL CUT-TO-FIT DETAIL
FOR TYPES I, II & III**

DRAWING NO.

C-4

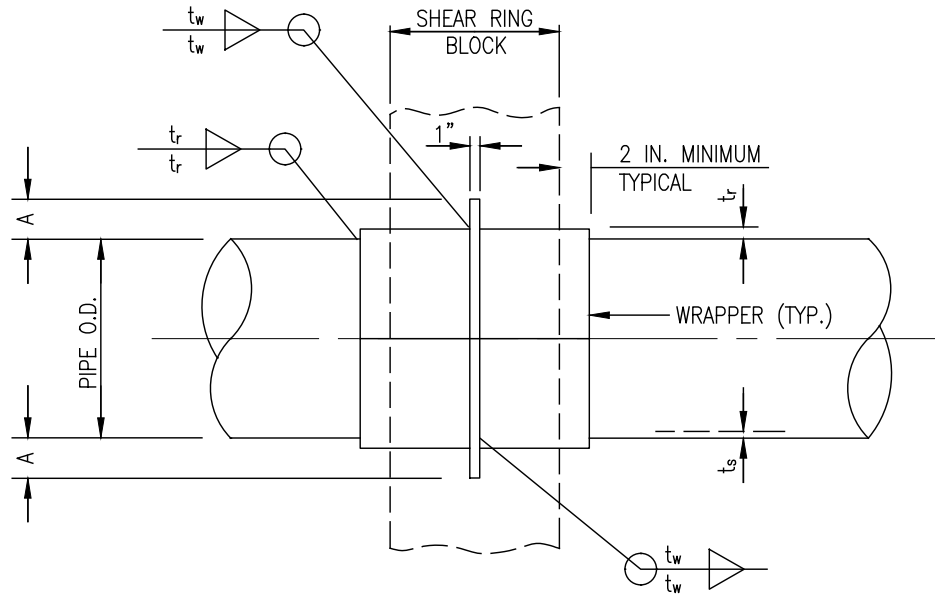
REV.

APPROVED BY:

Jesse Pompa, Dir. Of Eng. & Wtr Resources

APPROVED BY:

Matthew Abel, Dir. Of Ops.



| NOM. PIPE DIA. (in.) | MIN. RING WIDTH "A" (in.) | MIN. WELD, t_w (in.) | MIN. WRAPPER THICKNESS, t_r (in.) |
|----------------------|---------------------------|------------------------|-------------------------------------|
|----------------------|---------------------------|------------------------|-------------------------------------|

MAXIMUM DESIGN PIPE PRESSURE OF 200 PSI

| | | | |
|----|------|-------|-------|
| 6 | 1.00 | 0.125 | 0.135 |
| 8 | 1.25 | 0.125 | 0.135 |
| 10 | 1.50 | 0.125 | 0.135 |
| 12 | 1.75 | 0.187 | 0.135 |
| 14 | 1.75 | 0.187 | 0.135 |
| 16 | 2.00 | 0.187 | 0.135 |
| 18 | 2.25 | 0.187 | 0.187 |
| 20 | 2.50 | 0.187 | 0.187 |
| 24 | 3.25 | 0.187 | 0.250 |
| 30 | 4.00 | 0.250 | 0.312 |
| 36 | 4.75 | 0.250 | 0.375 |

NOTES:

1. SHEAR RINGS SHALL BE 1" THICK FOR ALL PIPE DIAMETERS.
2. t_s = DESIGN PIPE CYLINDER THICKNESS.
3. REFER TO STD. DWG. NO. C-2 FOR SHEAR RING CONCRETE BLOCK DIMENSIONS.

JURUPA COMMUNITY SERVICES DISTRICT

SCALE: NONE

DATE: JANUARY 2026

TYPICAL SHEAR RING DETAIL FOR WELDED STEEL PIPE

DRAWING NO.

C-5

REV.

APPROVED BY:

Jesse Pompa, Dir. Of Eng. & Wtr Resources

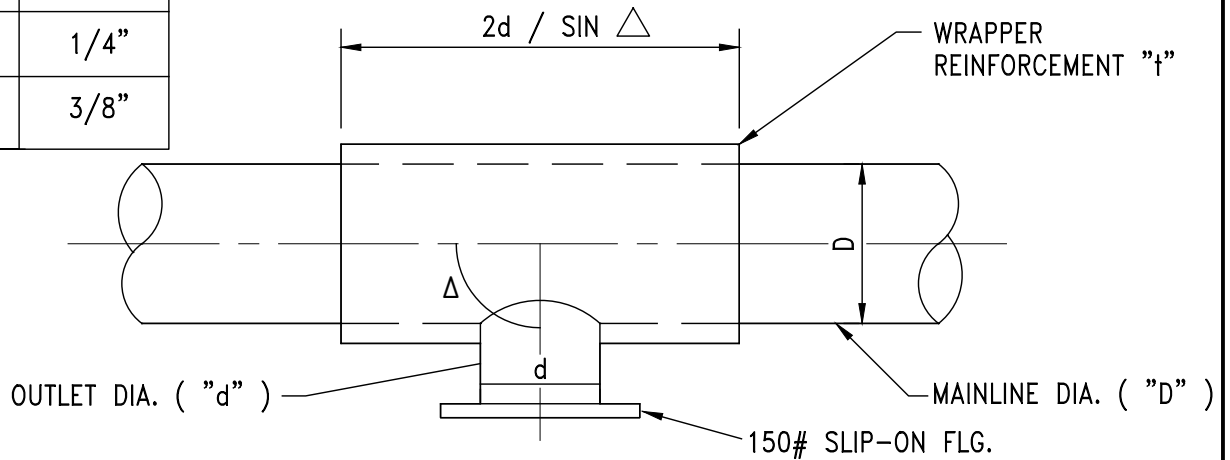
APPROVED BY:

Matthew Abel, Dir. Of Ops.

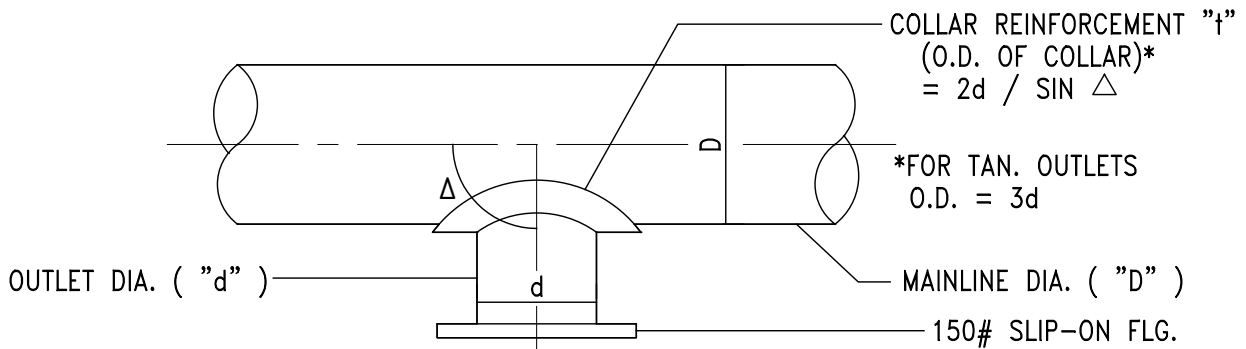
MIN. WRAPPER / COLLAR REINFORCEMENT THICKNESS

D = I.D. OF MAIN PIPE CYLINDER
 d = I.D. OF BRANCH PIPE CYLINDER
 Δ = DEFLECTION ANGLE

| NOM. DIA. RANGE | "t" |
|-----------------|-------|
| 4" THRU 18" | 3/16" |
| 20" THRU 27" | 1/4" |
| 30" THRU 36" | 3/8" |



TYPICAL WRAPPER REINFORCEMENT



ALL FITTINGS, OUTLETS, ETC. SHALL BE CML/CMC W.S.P.

TYPICAL COLLAR REINFORCEMENT

| D | $d/D \sin \Delta = X$ | REINFORCEMENT |
|---------------|-----------------------|---------------|
| LESS THAN 24" | $X \leq 0.6$ | COLLAR |
| | $0.6 < X \leq 1.0$ | WRAPPER |
| | $1.0 < X$ | CROTCH PLATE |
| 24" THRU 36" | $X \leq 0.6$ | COLLAR |
| | $0.6 < X \leq 0.75$ | WRAPPER |
| | $0.75 < X$ | CROTCH PLATE |

NOTES:

1. OUTLETS ARE DESIGNED FOR MAXIMUM PRESSURE CLASS OF 200 P.S.I.
2. ALL OUTLETS REQUIRING CROTCH PLATES, SHALL BE SUBMITTED TO AGENCY FOR APPROVAL.
3. USE A DISTRICT APPROVED TAPPING SLEEVE FOR CONNECTIONS TO PVC PIPE.
4. DISTRICT WILL DETERMINE THE TYPE OF TEE CONSTRUCTION DEPENDING ON THE EXISTING PIPE MATERIAL AND CONDITIONS AS WELL AS THE PROPOSED VALVE INSTALLATION.

JURUPA COMMUNITY SERVICES DISTRICT

SCALE: NONE

DATE: JANUARY 2026

OUTLET REINFORCEMENT DETAILS

DRAWING NO.

C-6

REV.

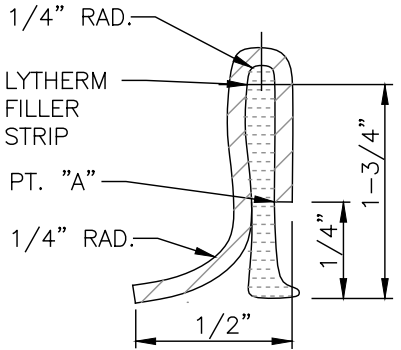
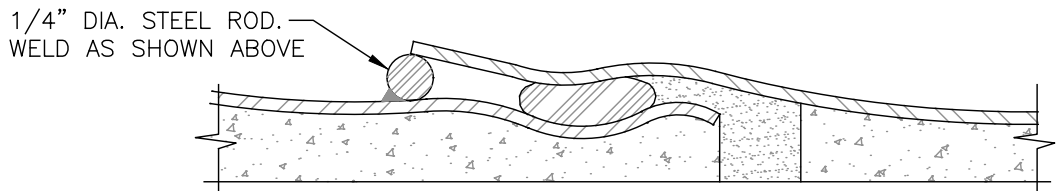
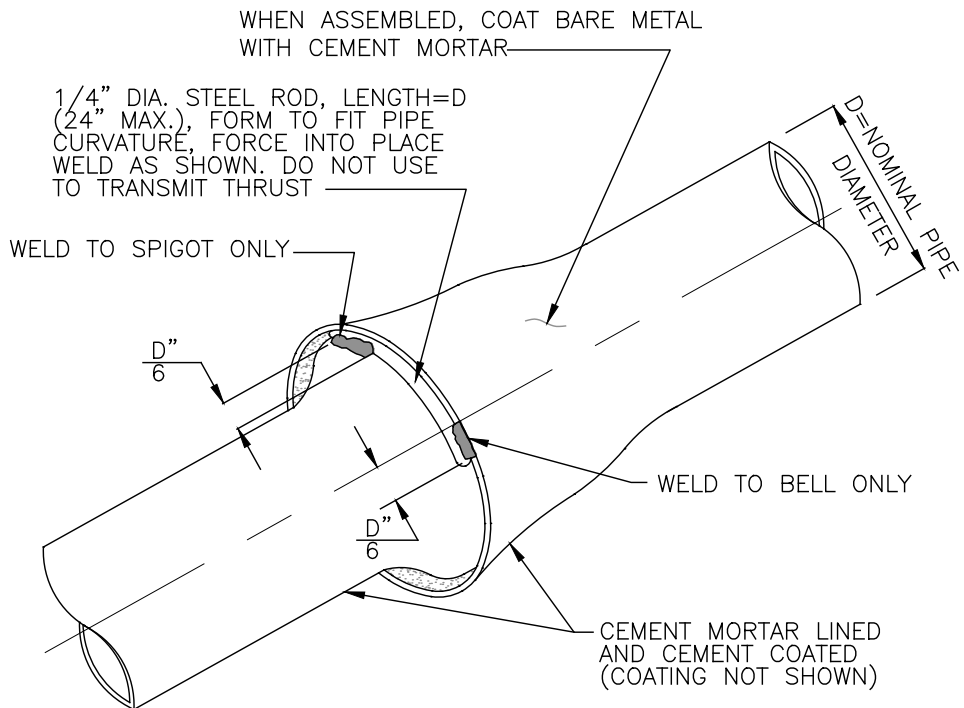
APPROVED BY:

Jesse Pompa, Dir. Of Eng. & Wtr Resources

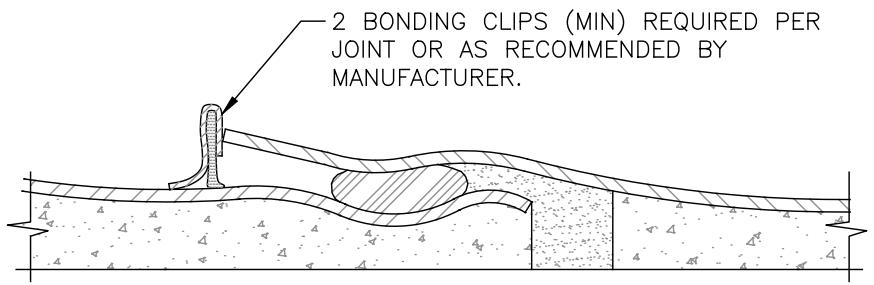
APPROVED BY:

Matthew Abel, Dir. Of Ops.

NOTE:
DISTRICT DIRECTED
USE ONLY



BOND DETAIL
 COATING NOT SHOWN



BONDING CLIP DETAIL

MATERIAL PER ASTM A366, COMMERCIAL QUALITY; 10 GA.x2 1/2"LGx1 1/4"WD. LYTHERM STRIP TO BE 1"± LONG x 1 1/2" WIDE; TO OVERLAP SIDES OF CLIP. CRIMP CLIP @ POINT "A" TO COMPRESS FILLER.

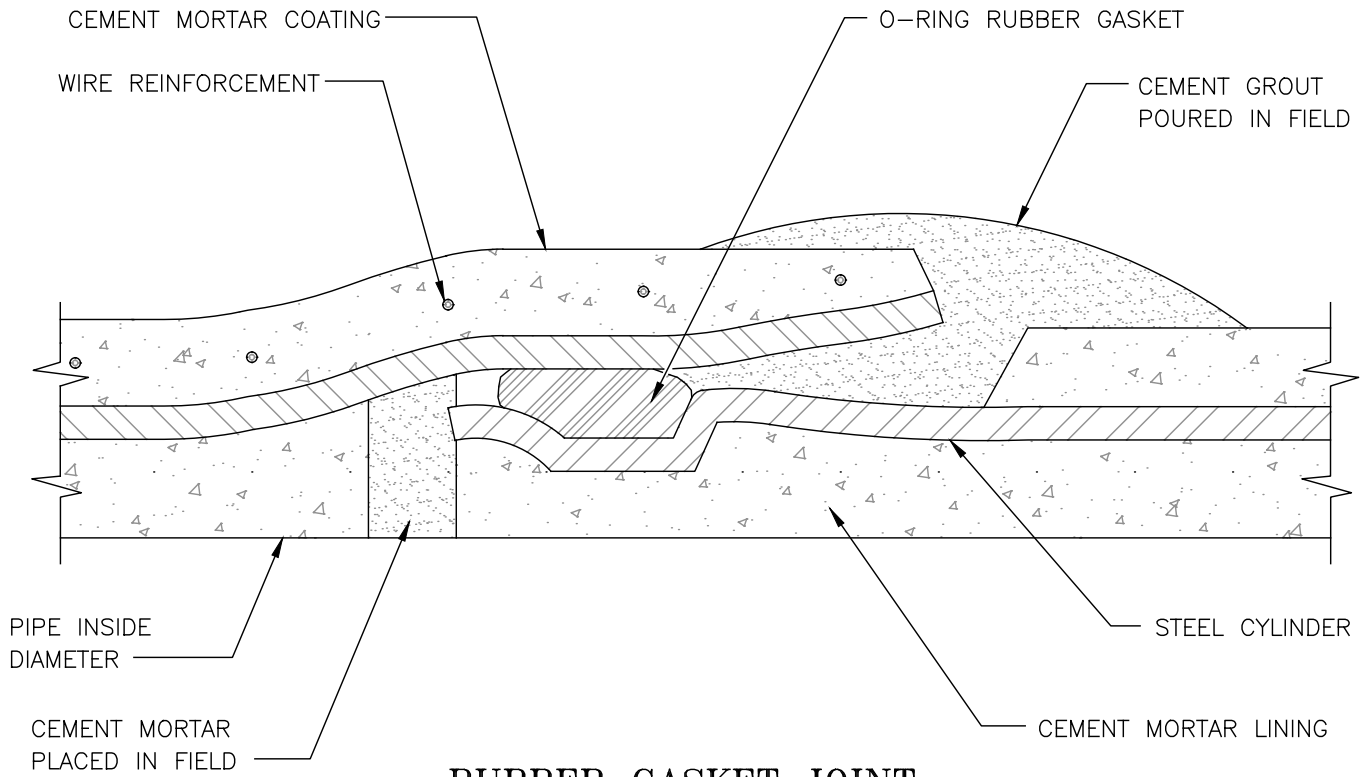
ALTERNATE BOND DETAIL
 COATING NOT SHOWN

NOTES:

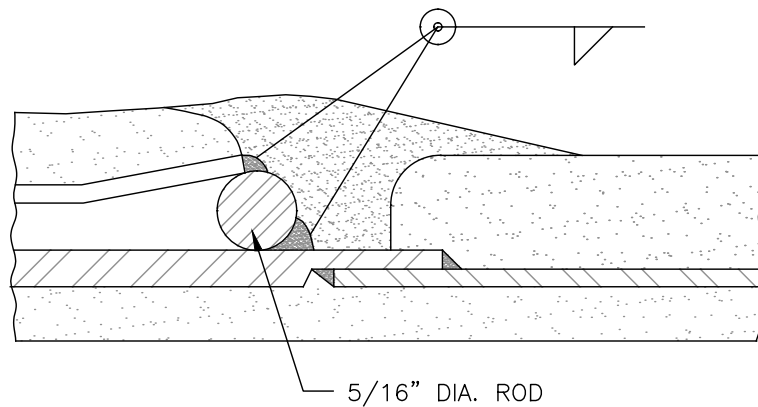
1. OMIT WHERE WELDED PIPE JOINT REQUIRED, OR RING SEAL JOINT IS WELDED FOR THRUST.
2. FORCE 1/4" DIA. ROD INTO PLACE. AT ONE END, WELD TO BELL, AT OTHER, WELD TO SPIGOT. REQUIRED LENGTH OF WELD EACH END = D/6 (1" MIN., 4" MAX.)
3. WELD AS SHOWN, DO NOT WELD EITHER END TO BOTH BELL AND SPIGOT OF PIPE.

JURUPA COMMUNITY SERVICES DISTRICT

| | | |
|---|--|-------------|
| SCALE: NONE | FORMED BELL AND SPIGOT JOINT BONDING DETAIL | DRAWING NO. |
| DATE: JANUARY 2026 | | C-7 |
| APPROVED BY: | APPROVED BY: | |
| Jesse Pompa, Dir. Of Eng. & Wtr Resources | Matthew Abel, Dir. Of Ops. | |



**RUBBER GASKET JOINT
FORMED BELL & SPIGOT JOINT
STEEL CYLINDER PIPE**



WELDED JOINT DETAIL
(DOUBLE PASS, FULL WELD)

REFER TO STD. DWG. C-7 FOR ELECTRICAL CONTINUITY BONDING.

JURUPA COMMUNITY SERVICES DISTRICT

SCALE: NONE

**FORMED BELL & SPIGOT RUBBER GASKET
JOINT FOR CML & CMC PIPE**

DRAWING NO.

DATE: JANUARY 2026

C-8

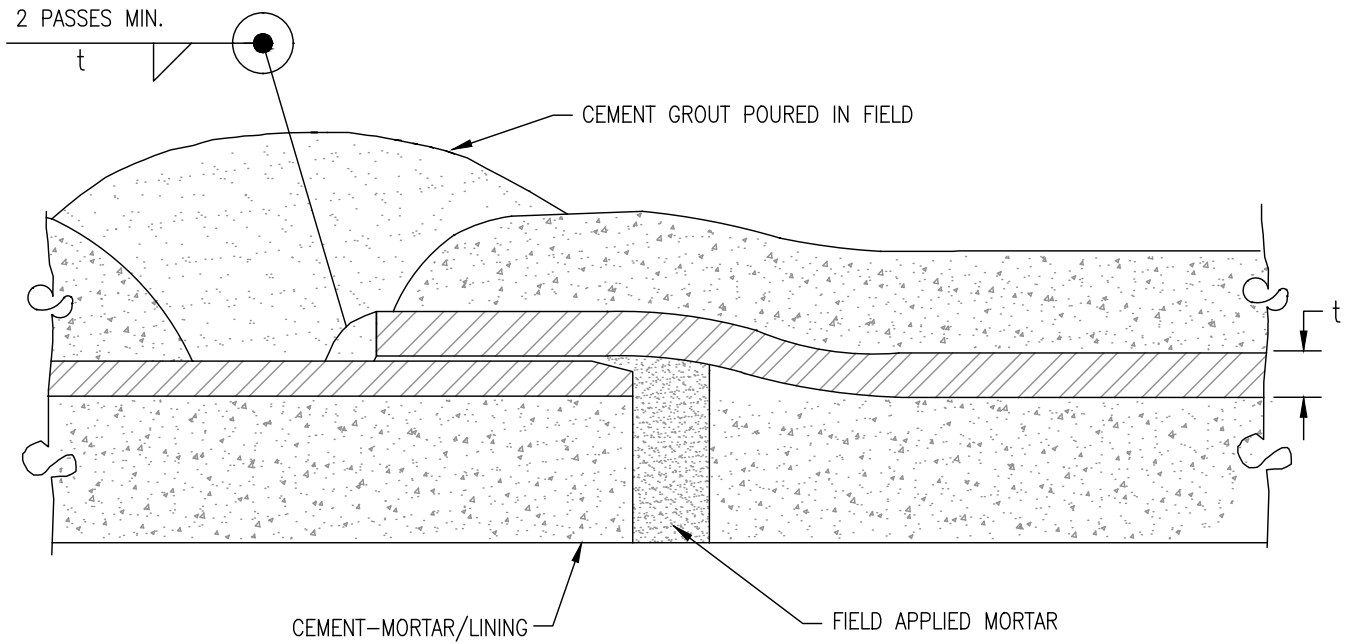
REV.

APPROVED BY:

Jesse Pompa, Dir. Of Eng. & Wtr Resources

APPROVED BY:

Matthew Abel, Dir. Of Ops.



**LAP WELDED SLIP JOINT
BELLED-END STEEL CYLINDER PIPE**

JURUPA COMMUNITY SERVICES DISTRICT

SCALE: NONE

DATE: JANUARY 2026

**LAP WELDED SLIP JOINT
BELLED-END CML & CMC PIPE**

DRAWING NO.

C-9

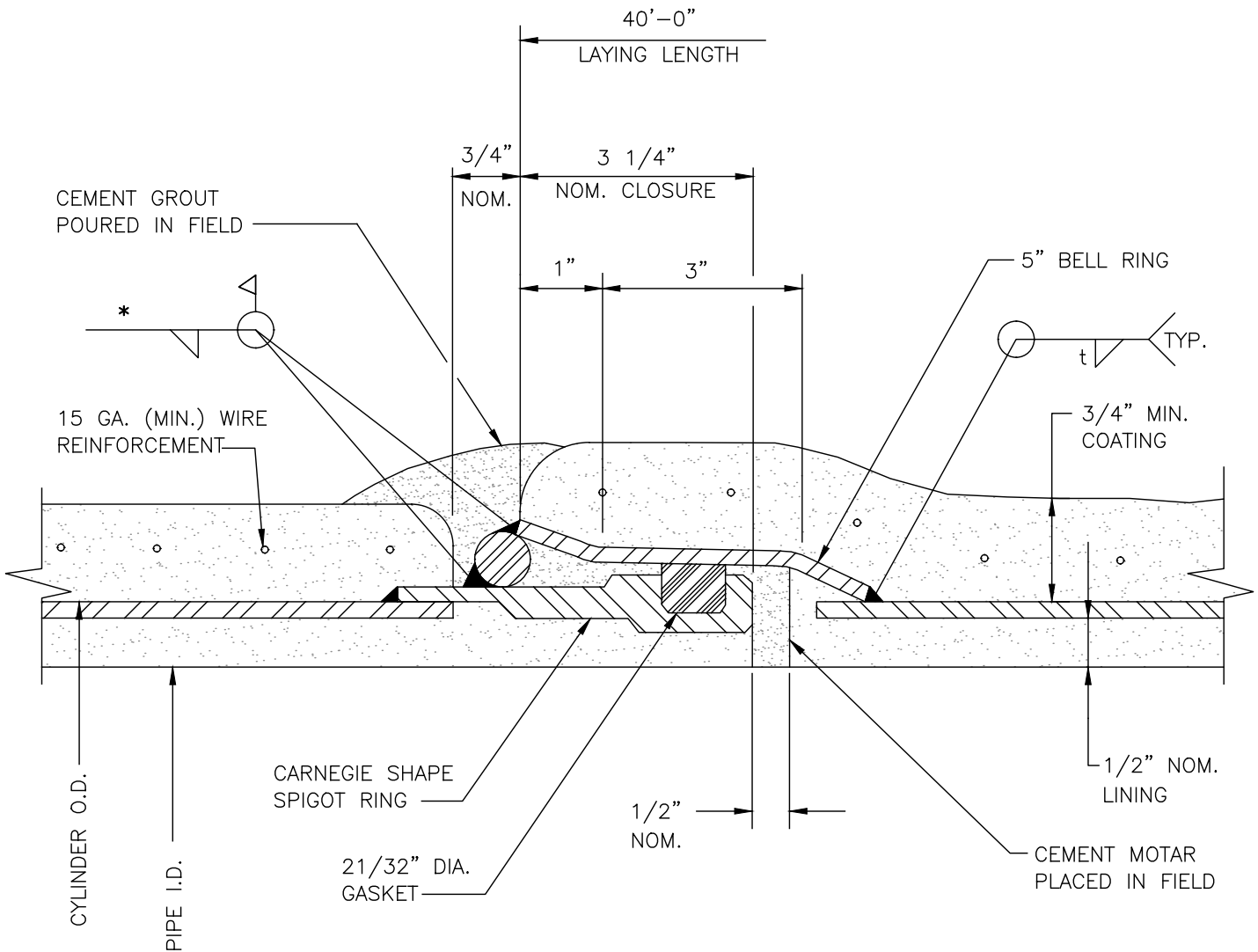
REV.

APPROVED BY:

Jesse Pompa, Dir. Of Eng. & Wtr Resources

APPROVED BY:

Matthew Abel, Dir. Of Ops.



NOTE:

THIS STANDARD SHALL APPLY TO WELDED STEEL PIPE DIAMETERS 27" AND LARGER.

* NOT REQUIRED UNLESS FULL WELD IS SPECIFIED.

REFER TO STD. DWG. C-7 FOR ELECTRICAL CONTINUITY BONDING.

JURUPA COMMUNITY SERVICES DISTRICT

SCALE: NONE

DATE: JANUARY 2026

CARNEGIE TYPE RUBBER GASKET JOINT FOR CML & CMC PIPE

DRAWING NO.

C-10

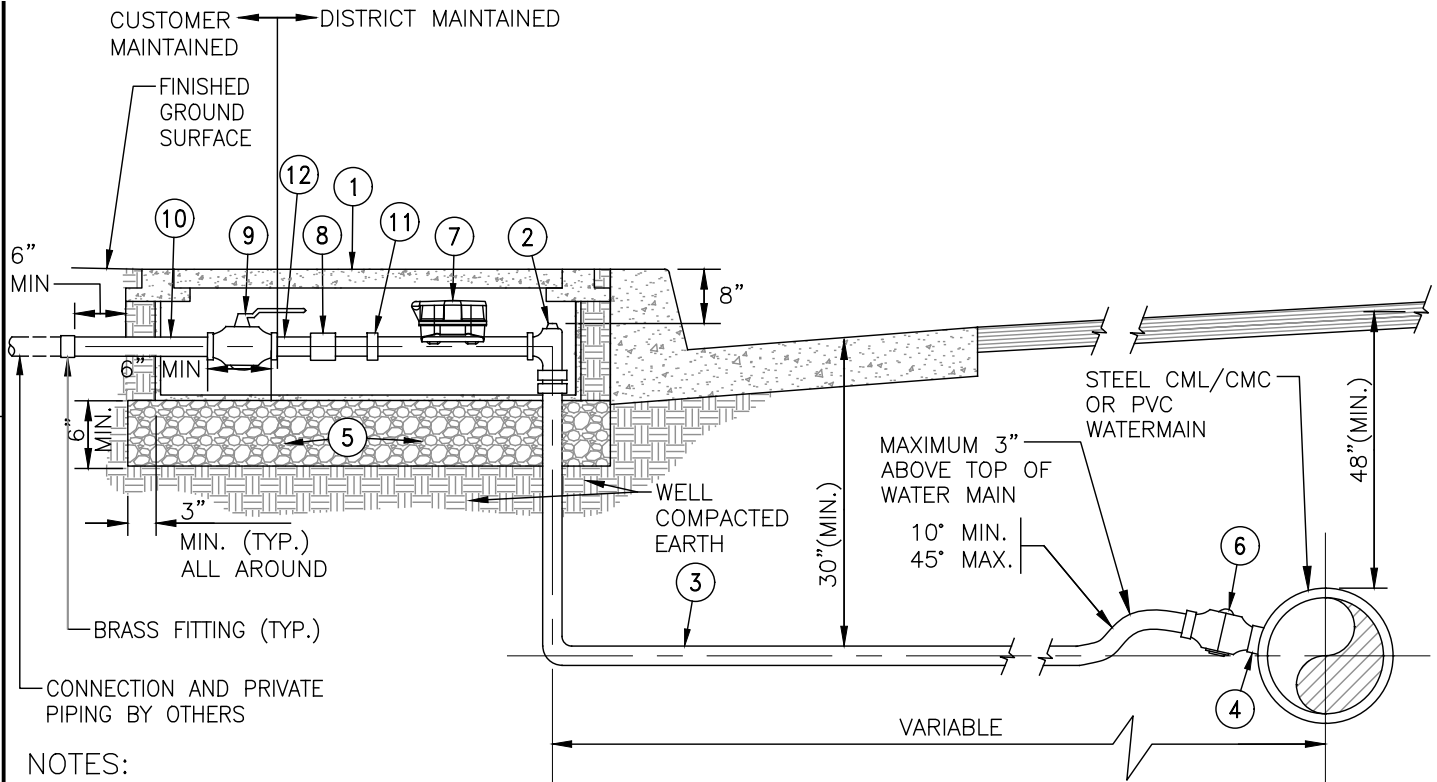
REV.

APPROVED BY:

Jesse Pompa, Dir. Of Eng. & Wtr Resources

APPROVED BY:

Matthew Abel, Dir. Of Ops.



NOTES:

1. WHERE SIDEWALK IS DIRECTLY BEHIND CURB, LOCATE METER BOX RIGHT BEHIND THE SIDEWALK.
2. WHERE PARKWAY IS DIRECTLY BEHIND CURB, LOCATE METER BOX RIGHT BEHIND THE CURB
3. PIPE THREADS SHALL BE CLEAN AND SHARP AND SEALED WITH AN APPROVED JOINT COMPOUND.
4. METER SHALL NOT BE PLACED IN DRAINAGE AREA, DEPRESSIONS OR WITHIN TWO FEET OF A DRIVEWAY APPROACH.
5. DISTRICT MAINTAINED: ANGLE METER, METER, CHECK VALVE, HEX NIPPLE
6. CUSTOMER MAINTAINED: BRASS BALL VALVE.
7. FOR 1" METER INSTALLATION, SUBSTITUTE 1" DIMENSION WHERE 3/4" IS INDICATED.

| ITEM | DESCRIPTION |
|------|--|
| ① | J & R POLYMER CONCRETE METER BOX P-W 6B WITH ONE PIECE COVER OR APPROVED EQUAL. USE METER BOX P-W 6B-20K FOR INCIDENTAL TRAFFIC CONDITIONS, CHECK FOR H2O RATED (FOR E-METER READ, THE METER BOX LID SHALL BE POLYMER CONCRETE COVER WITH QUICK READ PORT, BADGER METER ENDPOINT: ORION CELL-C). |
| ② | 1" BRONZE BALL ANGLE METER STOP W/ LOCK WING, 1"X3/4" ANGLE STOP FOR 3/4" METER |
| ③ | 1" PLASTIC COATED COPPER TUBE, TYPE K, COPPER SHALL BE CONTINUOUS WITH NO JOINTS FROM SERVICE CONNECTION TO RISER. |
| ④ | BLK. STL. STD. COUPLING TO PIPE W/COLLAR PER STD. D-6 (FOR STEEL WATERMAIN) OR WATERMAIN DIA. X 1" SERVICE SADDLE PER DISTRICT SPECIFICATIONS (FOR PVC WATERMAIN) |
| ⑤ | 3/4" DIA. CRUSHED ROCK |
| ⑥ | 1" DIA. BALL CORP. STOP, I.P.T. INLET X PACK JOINT |
| ⑦ | 3/4" OR 1" AMI ULTRASONIC METER, FURNISHED BY THE DISTRICT |
| ⑧ | 1" DIA. BRASS PIPE W/ 1" DIA. BRONZE SPRING CHECK VALVE |
| ⑨ | 1" BRASS BALL VALVE W/ HANDLE (1" X 12" BRASS PIPE), NOT REQUIRED WITH BACKFLOW SERVICE |
| ⑩ | MIN. 12" BRASS SPOOL WITH PROTECTIVE WRAP |
| ⑪ | 3/4" x 1" METER TAIL FOR 1" METER ONLY |
| ⑫ | 1" DOUBLE MALE THREADED BRASS HEX NIPPLE, 3-IN LONG |

JURUPA COMMUNITY SERVICES DISTRICT

| | | |
|---|--|-------------|
| SCALE: NONE | 3/4" OR 1" METER, 1" WATER SERVICE DETAIL (W/OUT RESIDENTIAL FIRE SPRINKLERS) | DRAWING NO. |
| DATE: JANUARY 2026 | | D-1A |
| APPROVED BY: | APPROVED BY: | |
| Jesse Pompa, Dir. Of Eng. & Wtr Resources | Matthew Abel, Dir. Of Ops. | |

REV.

STANDARD DRAWING NO. D-1B DELETED

JURUPA COMMUNITY SERVICES DISTRICT

SCALE: NONE

DATE: JANUARY 2026

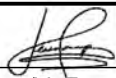
3/4" OR 1" METER, 1" WATER
SERVICE DETAIL (PE TUBING)

DRAWING NO.

D-1B

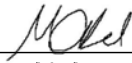
REV.

APPROVED BY:

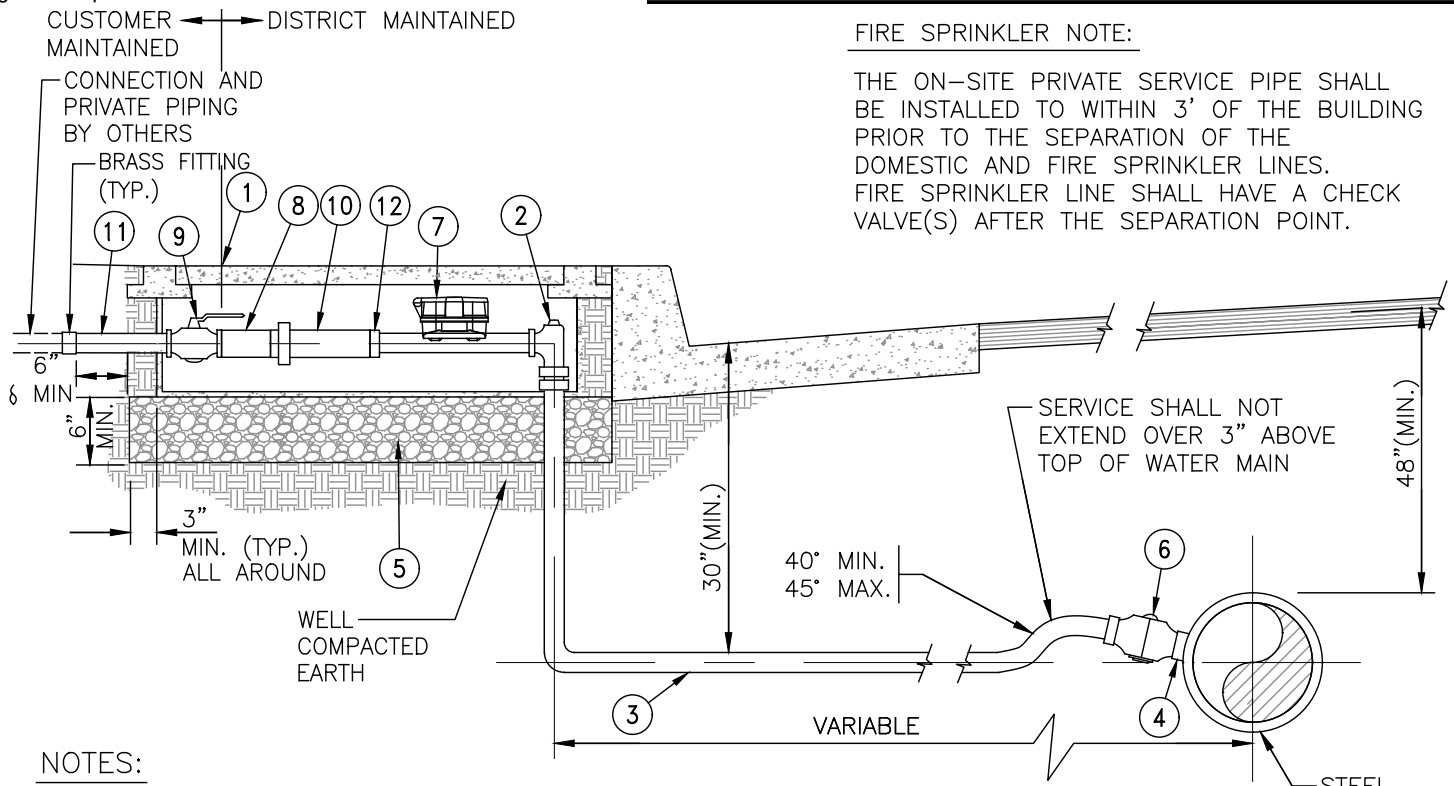


Jesse Pompa, Dir. Of Eng. & Wtr Resources

APPROVED BY:



Matthew Abel, Dir. Of Ops.



FIRE SPRINKLER NOTE:

THE ON-SITE PRIVATE SERVICE PIPE SHALL BE INSTALLED TO WITHIN 3' OF THE BUILDING PRIOR TO THE SEPARATION OF THE DOMESTIC AND FIRE SPRINKLER LINES. FIRE SPRINKLER LINE SHALL HAVE A CHECK VALVE(S) AFTER THE SEPARATION POINT.

NOTES:

1. WHERE SIDEWALK IS DIRECTLY BEHIND CURB, LOCATE METER BOX RIGHT BEHIND THE SIDEWALK.
2. WHERE PARKWAY IS DIRECTLY BEHIND CURB, LOCATE METER BOX RIGHT BEHIND THE CURB.
3. PIPE THREADS SHALL BE CLEAN AND SHARP AND SEALED WITH AN APPROVED JOINT COMPOUND.
4. METER SHALL NOT BE PLACED IN DRAINAGE AREA, DEPRESSIONS OR WITHIN TWO FEET OF A DRIVEWAY APPROACH.
5. DISTRICT MAINTAINED: ANGLE METER, METER, METER TAIL, CHECK VALVE, HEX NIPPLE
6. CUSTOMER MAINTAINED: BRASS BALL VALVE

STEEL
CML/CMC
OR PVC
WATERMAIN

| ITEM | DESCRIPTION |
|------|--|
| ① | J & R POLYMER CONCRETE METER BOX P-W 6B WITH ONE PIECE COVER OR APPROVED EQUAL. USE METER BOX P-W 6B-20K FOR INCIDENTAL TRAFFIC CONDITIONS, CHECK FOR H2O RATED (FOR E-METER READ, THE METER BOX LID SHALL BE POLYMER CONCRETE COVER WITH QUICK READ PORT, BADGER METER ENDPOINT: ORION CELL-C). |
| ② | 1" BRONZE BALL ANGLE METER STOP W/ LOCK WING, 1"X3/4" ANGLE STOP FOR 3/4" METER |
| ③ | 1" DIA. PLASTIC COATED COPPER TUBE, TYPE K, COPPER TUBE SHALL BE CONTINUOUS WITH NO JOINTS FROM SERVICE CONNECTION TO RISER. |
| ④ | WATERMAIN DIA. x 1", SERVICE SADDLE PER DISTRICT SPECIFICATIONS (FOR PVC WATERMAIN) OR BLK. STL. STD. COUPLING TO PIPE W/ COLLAR PER STD. D-6 (FOR STEEL WATERMAIN) |
| ⑤ | 3/4" DIA. CRUSHED ROCK |
| ⑥ | 1" DIA. BALL CORP. STOP I.P.T. INLET X PACK JOINT |
| ⑦ | 3/4" OR 1" AMI ULTRASONIC METER, FURNISHED BY THE DISTRICT |
| ⑧ | 1" DOUBLE MALE THREADED BRASS HEX NIPPLE, 3-IN LONG |
| ⑨ | 1" BRASS BALL VALVE W/ HANDLE |
| ⑩ | 1" DIA. DUAL CHECK VALVE (WATTS LF07S OR DISTRICT APPROVED EQUAL) |
| ⑪ | MIN. 12" BRASS SPOOL WITH PROTECTIVE WRAP |
| ⑫ | 3/4" x 1" BUSHING FOR 3/4" METER |

JURUPA COMMUNITY SERVICES DISTRICT

SCALE: NONE

DATE: JANUARY 2026

**3/4" OR 1" METER, 1" WATER SERVICE
DETAIL (RESIDENTIAL FIRE SPRINKLERS)**

DRAWING NO.

D-1C

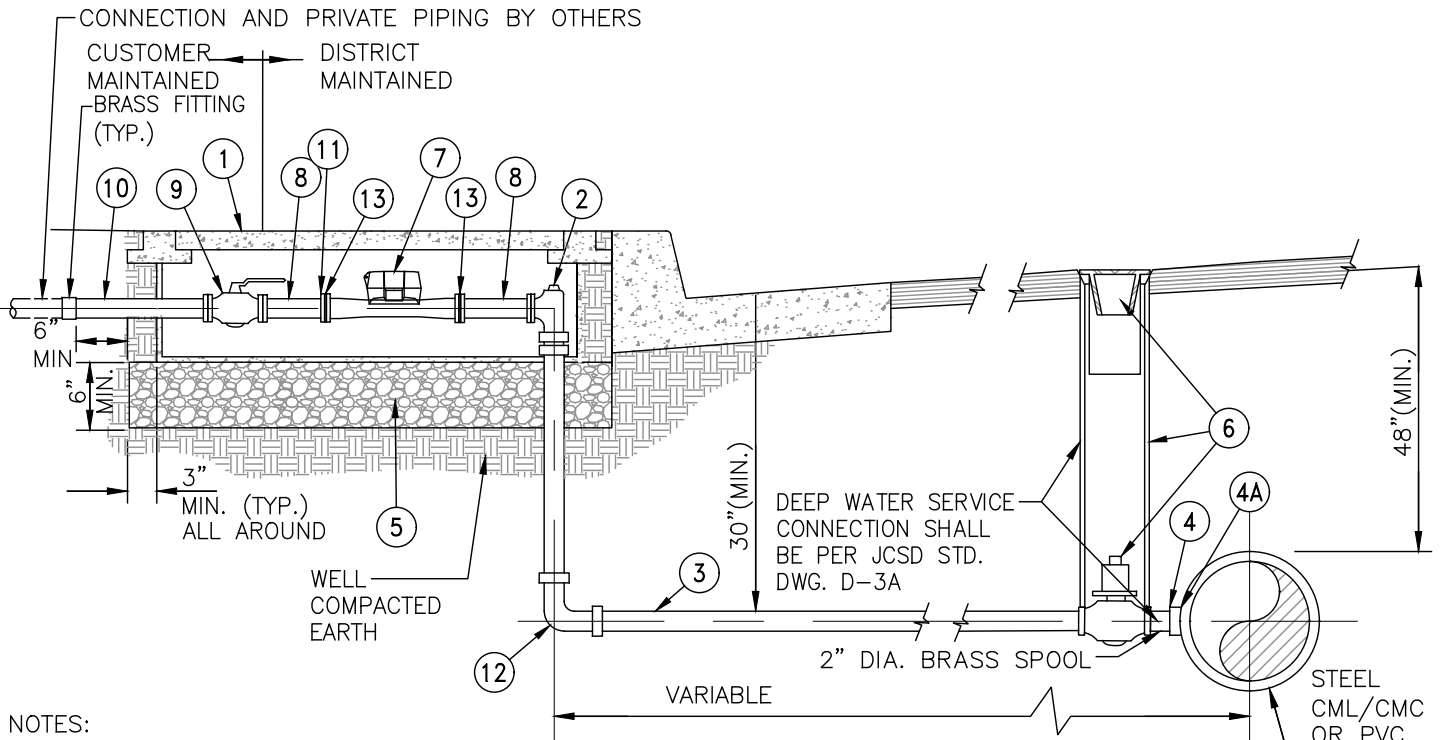
REV.

APPROVED BY:

Jesse Pompa, Dir. Of Eng. & Wtr Resources

APPROVED BY:

Matthew Abel, Dir. Of Ops.



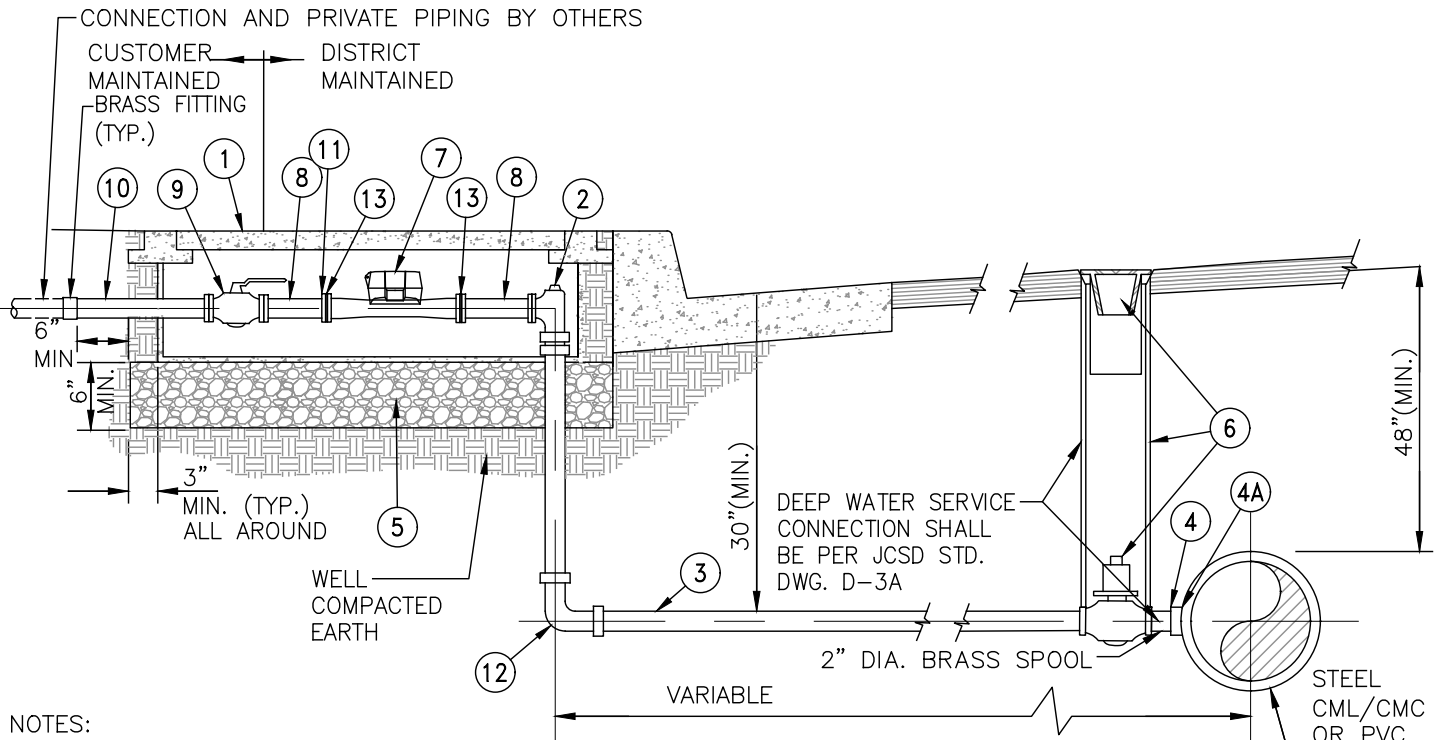
NOTES:

1. WHERE SIDEWALK IS DIRECTLY BEHIND CURB, LOCATE METER BOX RIGHT BEHIND THE SIDEWALK.
2. WHERE PARKWAY IS DIRECTLY BEHIND CURB, LOCATE METER BOX RIGHT BEHIND THE CURB.
3. PIPE THREADS SHALL BE CLEAN AND SHARP AND SEALED WITH AN APPROVED JOINT COMPOUND.
4. METER SHALL NOT BE PLACED IN DRAINAGE AREA, DEPRESSIONS OR WITHIN TWO FEET OF A DRIVEWAY APPROACH.
5. DISTRICT MAINTAINED: ANGLE METER, METER, METER TAIL, CHECK VALVE, NIPPLE
6. CUSTOMER MAINTAINED: BRASS BALL VALVE

| ITEM | DESCRIPTION |
|------|--|
| ① | J & R POLYMER CONCRETE METER BOX P-W 6B WITH ONE PIECE COVER OR APPROVED EQUAL. USE METER BOX P-W 6B-20K FOR INCIDENTAL TRAFFIC CONDITIONS, CHECK FOR H2O RATED (FOR E-METER READ, THE METER BOX LID SHALL BE POLYMER CONCRETE COVER WITH QUICK READ PORT, BADGER METER ENDPOINT: ORION CELL-C). |
| ② | 2"x1-1/2" BRONZE BALL ANGLE METER STOP W/ LOCK WING |
| ③ | 2" DIA. PLASTIC COATED COPPER PIPE, TYPE K, COPPER PIPE WITH BRONZE FITTING (PACK JOINT) FROM SERVICE CONNECTION TO RISER. |
| ④ | BLK. STL. STD. COUPLING TO PIPE W/ COLLAR PER STD. D-6 (FOR STEEL WATERMAIN) |
| ④A | WATERMAIN DIA. x 2", SERVICE SADDLE PER DISTRICT SPECIFICATIONS (FOR PVC WATERMAIN) |
| ⑤ | 3/4" DIA. CRUSHED ROCK |
| ⑥ | 2" DIA. QUARTER TURN BALL VALVE W/ 2" SQ. OPERATING NUT, 6" DIA. VALVE CAN PER STD. DWG. B-1 (M.I.P. X PACK JOINT) |
| ⑦ | 1-1/2" BADGER E-SERIES METER, FURNISHED BY THE DISTRICT |
| ⑧ | 1-1/2" DIA. BRASS PIPE |
| ⑨ | 1-1/2" BRASS BALL VALVE W/ HANDLE. NOTE: NOT REQUIRED IF BACKFLOW ASSEMBLY IS REQUIRED |
| ⑩ | MIN. 12" BRASS SPOOL WITH PROTECTIVE WRAP |
| ⑪ | OVAL SHAPED COMPANION FLANGE TO MATCH METER |
| ⑫ | BRASS 90° BEND PACK JOINT BOTH SIDES |
| ⑬ | 1-1/2" VOLTACEPT TROJAN FLANGE ISOLATION KIT BY APS WITH NUTS, BOLTS, WASHERS, SLEEVES, AND G-10 CATHODIC WATER METER ISOLATING GASKET. |

JURUPA COMMUNITY SERVICES DISTRICT

| | | |
|--------------------|--|----------------------------|
| SCALE: NONE | 1-1/2" METER, 2" WATER SERVICE DETAIL | DRAWING NO. D-2 |
| DATE: JANUARY 2026 | APPROVED BY: | APPROVED BY: |
| REV. | Jesse Pompa, Dir. Of Eng. & Wtr Resources | Matthew Abel, Dir. Of Ops. |



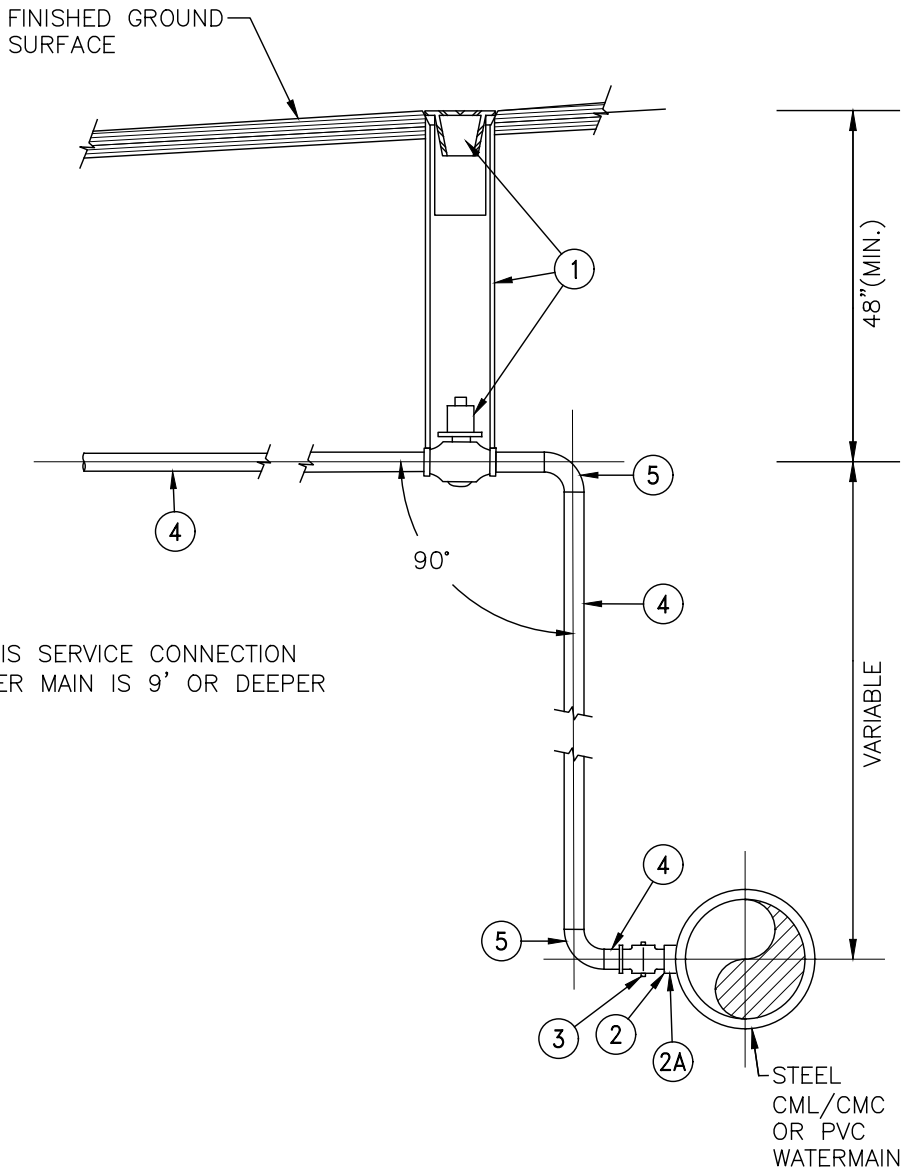
NOTES:

1. WHERE SIDEWALK IS DIRECTLY BEHIND CURB, LOCATE METER BOX RIGHT BEHIND THE SIDEWALK.
2. WHERE PARKWAY IS DIRECTLY BEHIND CURB, LOCATE METER BOX RIGHT BEHIND THE CURB.
3. PIPE THREADS SHALL BE CLEAN AND SHARP AND SEALED WITH AN APPROVED JOINT COMPOUND.
4. METER SHALL NOT BE PLACED IN DRAINAGE AREA, DEPRESSIONS OR WITHIN TWO FEET OF A DRIVEWAY APPROACH.
5. DISTRICT MAINTAINED: ANGLE METER, METER, METER TAIL, CHECK VALVE, NIPPLE
6. CUSTOMER MAINTAINED: BRASS BALL VALVE

| ITEM | DESCRIPTION |
|------|--|
| ① | J & R POLYMER CONCRETE METER BOX P-W 6B WITH ONE PIECE COVER OR APPROVED EQUAL. USE METER BOX P-W 6B-20K FOR INCIDENTAL TRAFFIC CONDITIONS, CHECK FOR H2O RATED (FOR E-METER READ, THE METER BOX LID SHALL BE POLYMER CONCRETE COVER WITH QUICK READ PORT, BADGER METER ENDPOINT: ORION CELL-C). |
| ② | 2"x1-1/2" BRONZE BALL ANGLE METER STOP W/ LOCK WING |
| ③ | 2" DIA. PLASTIC COATED COPPER PIPE, TYPE K, COPPER PIPE WITH BRONZE FITTING (PACK JOINT) FROM SERVICE CONNECTION TO RISER. |
| ④ | BLK. STL. STD. COUPLING TO PIPE W/ COLLAR PER STD. D-6 (FOR STEEL WATERMAIN) |
| ④A | WATERMAIN DIA. x 2", SERVICE SADDLE PER DISTRICT SPECIFICATIONS (FOR PVC WATERMAIN) |
| ⑤ | 3/4" DIA. CRUSHED ROCK |
| ⑥ | 2" DIA. QUARTER TURN BALL VALVE W/ 2" SQ. OPERATING NUT, 6" DIA. VALVE CAN PER STD. DWG. B-1 (M.I.P. X PACK JOINT) |
| ⑦ | 2" BADGER E-SERIES METER, FURNISHED BY THE DISTRICT |
| ⑧ | 2" DIA. BRASS PIPE |
| ⑨ | 2" BRASS BALL VALVE W/ HANDLE. NOTE: NOT REQUIRED IF BACKFLOW ASSEMBLY IS REQUIRED |
| ⑩ | MIN. 12" BRASS SPOOL WITH PROTECTIVE WRAP |
| ⑪ | OVAL SHAPED COMPANION FLANGE TO MATCH METER |
| ⑫ | BRASS 90° BEND PACK JOINT BOTH SIDES |
| ⑬ | 2" VOLTACEPT TROJAN FLANGE ISOLATION KIT BY APS WITH NUTS, BOLTS, WASHERS, SLEEVES, AND G-10 CATHODIC WATER METER ISOLATING GASKET. |

JURUPA COMMUNITY SERVICES DISTRICT

| | | |
|--------------------|--|----------------------------|
| SCALE: NONE | 2" METER, 2" WATER SERVICE DETAIL | DRAWING NO. D-3 |
| DATE: JANUARY 2026 | APPROVED BY: | APPROVED BY: |
| REV. | Jesse Pompa, Dir. Of Eng. & Wtr Resources | Matthew Abel, Dir. Of Ops. |



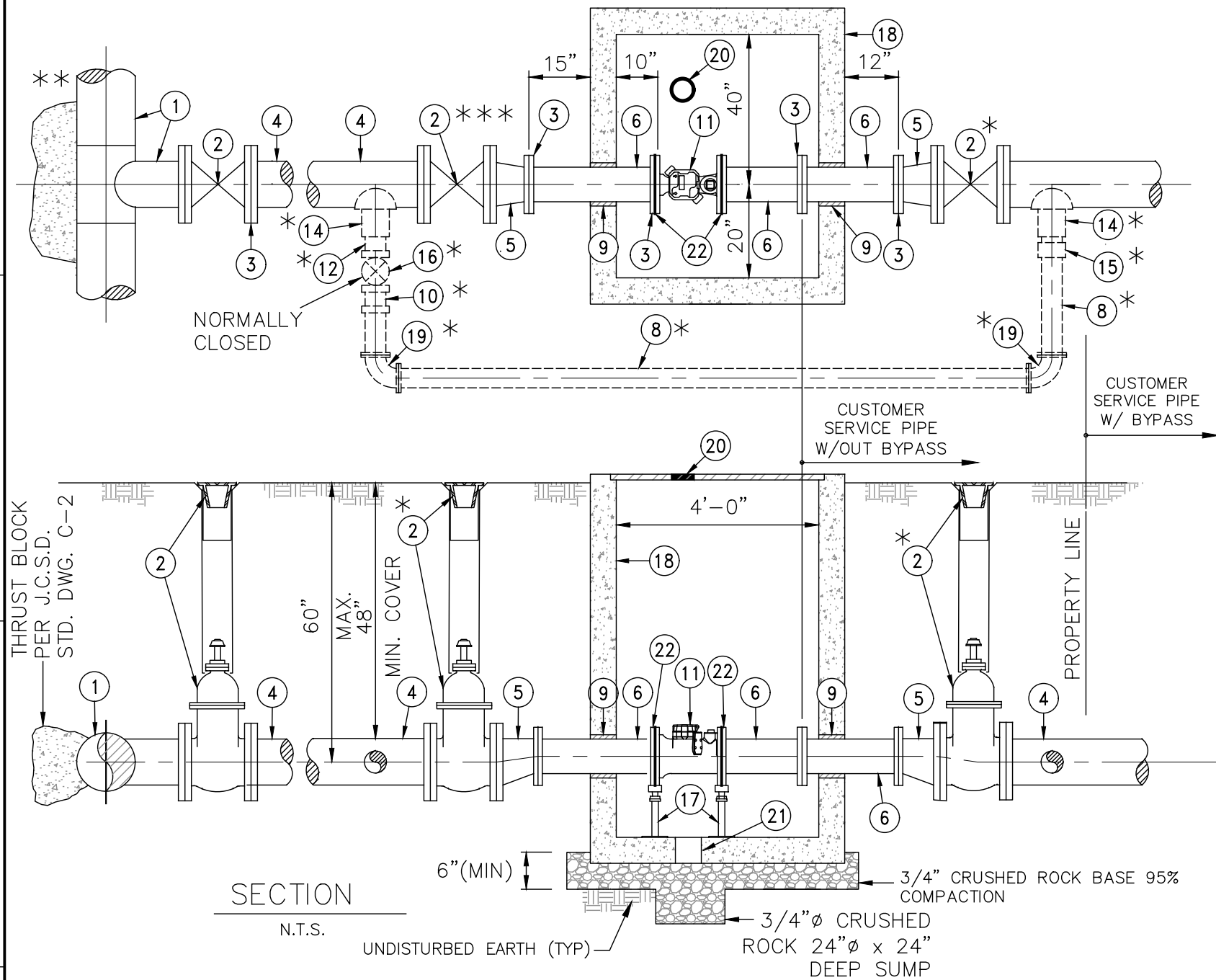
NOTE:
INSTALL THIS SERVICE CONNECTION
WHEN WATER MAIN IS 9' OR DEEPER

| ITEM | DESCRIPTION |
|------|--|
| ① | 2" DIA. QUARTER TURN BALL VALVE W/ 2" SQ. OPERATING NUT, 6" DIA. VALVE CAN PER STD. DWG. B-1 |
| ② | BLK. STL. STD. COUPLING TO PIPE W/ COLLAR PER STD. D-6 (FOR STEEL WATERMAIN) |
| ②A | WATERMAIN DIA. x 2", SERVICE SADDLE PER DISTRICT SPECIFICATIONS (FOR PVC WATERMAIN) |
| ③ | 2" DIA. BALL CORP. STOP M.I.P. X COMPRESSION |
| ④ | 2" COPPER WATER SERVICE, TYPE "K", W/ PROTECTIVE WRAP PER SPECIFICATIONS |
| ⑤ | COMPRESSION 90° ELBOW W/ LOCK RING |

JURUPA COMMUNITY SERVICES DISTRICT

| | | |
|---|--|-------------|
| SCALE: NONE | DEEP WATER SERVICE CONNECTION | DRAWING NO. |
| DATE: JANUARY 2026 | | D-3A |
| APPROVED BY: Jesse Pompa, Dir. Of Eng. & Wtr Resources | APPROVED BY: Matthew Abel, Dir. Of Ops. | |

REV.



| ITEM | DESCRIPTION |
|------|--|
| 1 | MAINLINE DIA. X 4" DIA (A.W.W.A.) FLANGED OUTLET TEE PER STD. C-6. |
| 2 | 6" DIA. VALVE BOX & 4" GATE VALVE INSTALLATION PER J.C.S.D. STD. DWG. NO. B-1. |
| 3 | 150# SLIP ON FLANGE (TYPICAL). |
| 4 | 4" DIA. CML/CMC W.S.P. (10 GA. MIN.) |
| 5 | 4" x 3" "FLAT TOP" FLANGED REDUCER CML/CMC (10 GA. MIN.) |
| 6 | 3" STEEL CML/CMC PIPE (10 GA. MIN.) |
| 7 | REMOVE AN ADEQUATE AMOUNT OF CMC TO ALLOW PROPER INSTALLATION OF THE FLANGED COUPLING ADAPTOR. PAINT BARE METAL PER NOTE 5. |
| 8 | 2" BRASS PIPE BY-PASS PIPE. (ONLY WHERE REQUIRED BY DISTRICT). |
| 9 | KNOCKOUTS AS REQUIRED (2" LARGER THAN PIPE SIZE O.D. ALL AROUND) DRY PACK ALL AROUND PIPE. |
| 10 | 2" BRASS NIPPLE, THREADED ONE END (12" LONG). |
| 11 | 3" AMI ULTRASONIC METER (FURNISHED BY DEVELOPER AS APPROVED BY DISTRICT.) |
| 12 | 2" BRASS NIPPLE (THREADED BOTH ENDS). |
| 13 | FLANGED COUPLING ADAPTOR, SMITH-BLAIR NO. 913 OR APPROVED EQUAL. |
| 14 | 2" COUPLING/REINFORCEMENT PER STD. D-6. |
| 15 | 2" BRASS THREAD x SOCKET ADAPTOR. |
| 16 | 2" BRONZE HEAVY DUTY CURB STOP (INSIDE I.P.T. x INSIDE I.P.T.) WITH VALVE BOX PER STD B-1. |
| 17 | PIPE SUPPORT PER J.C.S.D. STD. DWG. NO. A-5. |
| 18 | PRE-CAST CONC. VAULT W/2 PIECE TORSION HINGED GALV. OR ALUM. COVER, QUICKSET OR APPR'D. EQUAL. COVER TO BE SPECIFIED FOR TRAFFIC LOADS WHERE REQ'D. COVERS TO BE EQUIPPED WITH SAFETY CHAINS TO LIMIT COVER TRAVEL TO A MAXIMUM OF 10" BEYOND THE VERTICAL POSITION WHEN FULLY OPENED. NOTE: DEPENDENT UPON SELECTED METER DIMENSIONS VAULT SIZE MAY NEED TO BE INCREASED TO MAINTAIN MINIMUM INTERNAL CLEARANCE DIMENSIONS SHOWN. |
| 19 | 2" BRASS ELBOW |
| 20 | FLUSH FIT REMOTE METER READ INSTALLATION FOR METER ENDPOINT, NICOR VAULT KIT, 8" DIA. TOP AND BOTTOM PLATES WITH BOLTS, 8" DIA. HOLE IN LID. |
| 21 | 6" DIA. SUMP |
| 22 | VOLTACEPT TROJAN FLANGE ISOLATION KIT BY APS WITH NUTS, BOLTS, WASHERS, SLEEVES, AND G-10 CATHODIC WATER METER ISOLATION GASKET. |

NOTES:

1. THE WATER SERVICE VAULT SHALL BE LOCATED & INSTALLED SUBJECT TO APPROVAL OF THE DISTRICT. WHERE VAULT IS INSTALLED IN PARKWAY WITH CURB & SIDEWALK, THE VAULT SHALL BE PLACED PARALLEL TO THE CURB LINE & PIPING.
2. ADJUST VAULT AND COVER TO MEET SIDEWALK AND CURB GRADE.
3. ALL FIELD JOINTS SHALL BE FLANGED UNLESS OTHERWISE INDICATED. ALL WELDED JOINTS ON EPOXY LINED STD. WT. PIPE SHALL BE SHOP FABRICATED AND ALL EPOXY LINING SHALL BE SHOP APPLIED.
4. PIPE THREADS SHALL BE CLEAN AND SHARP AND SEALED WITH APPROVED JOINT COMPOUND.
5. ALL BARE METAL INSIDE THE VAULT SHALL BE PAINTED WITH PRIMER AND TWO (2) COATS OF PAINT PER DISTRICT SPECIFICATIONS. NO PRIMER ON BRASS OR BRONZE.
6. SHOULD THE DEPTH OF THE VAULT EXCEED FOUR (4) FEET, AN OSHA APPROVED LADDER ATTACHED TO AN INSIDE WALL SHALL BE PROVIDED. THE LOCATION OF THE LADDER SHALL BE AS DIRECTED BY THE DISTRICT.

* ONLY IF REQUIRED; AT OPTION OF DISTRICT. IF NO BY-PASS IS INSTALLED THE 4" DIA. GATE VALVE DOWNSTREAM OF THE METER IS NOT REQUIRED AND THE DISTRICT'S MAINTENANCE STOPS AT THE METER.

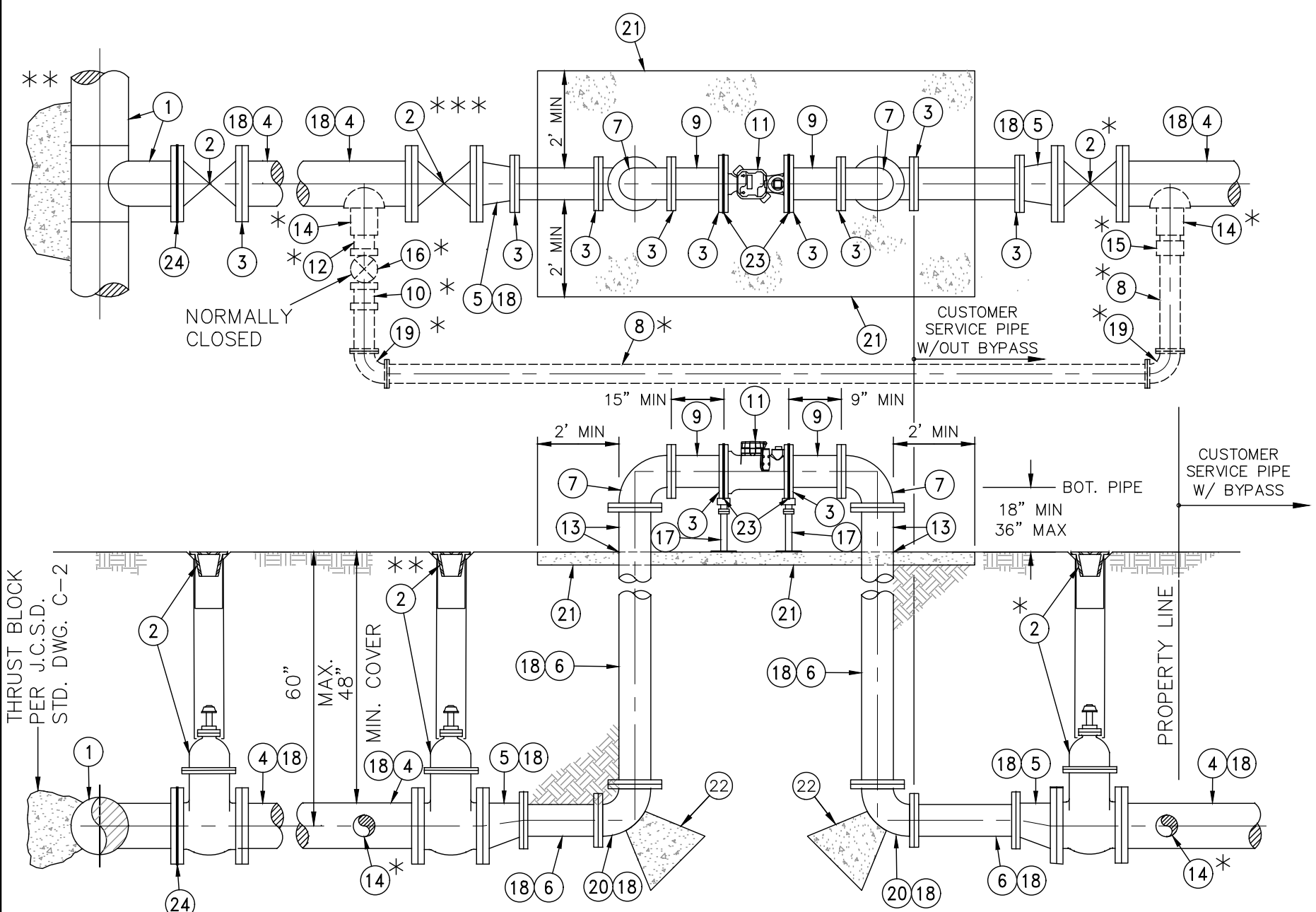
** IF WATERMAIN IS PVC PIPE OR D.I.P., USE D.I. PIPE AND FITTINGS. REFER TO D-5B FOR DETAILS.

*** REQUIRED UNLESS OTHERWISE SPECIFIED BY DISTRICT

JURUPA COMMUNITY SERVICES DISTRICT

| | | |
|--|--|-------------|
| SCALE: NONE | 3" WATER SERVICE METER | DRAWING NO. |
| DATE: JANUARY 2026 | | D-4A |
| APPROVED BY:  | APPROVED BY:  | |
| Jesse Pompa, Dir. Of Eng. & Wtr Resources | Matthew Abel, Dir. Of Ops. | |

REV.



| ITEM | DESCRIPTION |
|------|---|
| 1 | MAINLINE DIA. X 4" DIA (A.W.W.A.) FLANGED OUTLET TEE PER STD. C-6. |
| 2 | 6" DIA. VALVE BOX & 4" GATE VALVE INSTALLATION PER J.C.S.D. STD. DWG. NO. B-1. |
| 3 | 150# D.I. FLANGE (TYPICAL). |
| 4 | 4" DIA. D.I. PIPE (BELOW GRADE). |
| 5 | 4" x 3" "FLAT TOP" D.I. FLANGED REDUCER (BELOW GRADE). |
| 6 | 3" DIA. D.I. PIPE (BELOW GRADE). |
| 7 | 90° FLANGED D.I. ELBOW (FUSION BONDED EPOXY LINED, SHOP EPOXY PRIMER AND FIELD APPLIED TWO (2) COATS, OUTSIDE PAINTED). |
| 8 | 2" BRASS PIPE BY-PASS PIPE. (ONLY WHERE REQUIRED BY DISTRICT). |
| 9 | FLANGED D.I. SPOOL (LENGTH AS REQUIRED) FUSION BONDED EPOXY LINED, SHOP EPOXY PRIMER AND FIELD APPLIED TWO (2) COATS, OUTSIDE PAINTED. |
| 10 | 2" BRASS NIPPLE, THREADED ONE END (12" LONG). |
| 11 | 3" AMI ULTRASONIC METER (FURNISHED BY DEVELOPER AS APPROVED BY DISTRICT.) |
| 12 | 2" BRASS NIPPLE (THREADED BOTH ENDS). |
| 13 | FOR BELOW TO ABOVE GRADE TRANSITION D.I.P., TRIM POLYETHYLENE ENCASEMENT AT THE TRANSITION AND PAINT ABOVE GRADE PORTION WITH PRIMER AND TWO (2) COATS OF PAINT. |
| 14 | 4" X 2" D.I. FL X THREAD TEE (BELOW GRADE). |
| 15 | 2" BRASS THREAD x SOCKET ADAPTOR. |
| 16 | 2" BRONZE HEAVY DUTY CURB STOP (INSIDE I.P.T. x INSIDE I.P.T.) WITH VALVE BOX PER STD B-1. |
| 17 | PIPE SUPPORT PER J.C.S.D. STD. DWG. NO. A-5. |
| 18 | D.I. FLANGES, PIPE, AND FITTINGS SHALL BE DOUBLE CEMENT LINED AND BITUMINOUS COATING PER JCSD SPECIFICATIONS. FOR BELOW GRADE D.I.P., PROVIDE FOR DOUBLE POLYETHYLENE ENCASEMENT PER DISTRICT SPECIFICATIONS. |
| 19 | 2" BRASS ELBOW |
| 20 | 90° D.I. ELBOW DOUBLE CEMENT LINED AND PER JCSD SPECIFICATIONS (FL X FL). |
| 21 | 6" MIN. THICK CLASS "AA" CONCRETE PAD W/ 6"X6" 10 GA. W.W.M. |
| 22 | THRUST BLOCK PER J.C.S.D. STD. C-1 |
| 23 | VOLTACEPT TROJAN FLANGE ISOLATION KIT BY APS WITH NUTS, BOLTS, WASHERS, SLEEVES, AND G-10 CATHODIC WATER METER ISOLATION GASKET. |
| 24 | FOR CONNECTION TO CML&C PIPE, PROVIDE TROJAN FLANGE ISOLATION KIT BY APS WITH NUTS, BOLTS, WASHERS, SLEEVES, AND TYPE E GASKETS. |

SECTION

NOTES:

1. THE ABOVE GROUND WATER SERVICE SHALL BE LOCATED & INSTALLED SUBJECT TO APPROVAL OF THE DISTRICT. METER SHALL BE INSTALLED IN THE HORIZONTAL PLANE.
2. ADJUST CONCRETE PAD TO MEET SIDEWALK AND CURB GRADE.
3. ALL FIELD JOINTS SHALL BE FLANGED UNLESS OTHERWISE INDICATED.
4. PIPE THREADS SHALL BE CLEAN AND SHARP AND SEALED WITH APPROVED JOINT COMPOUND.

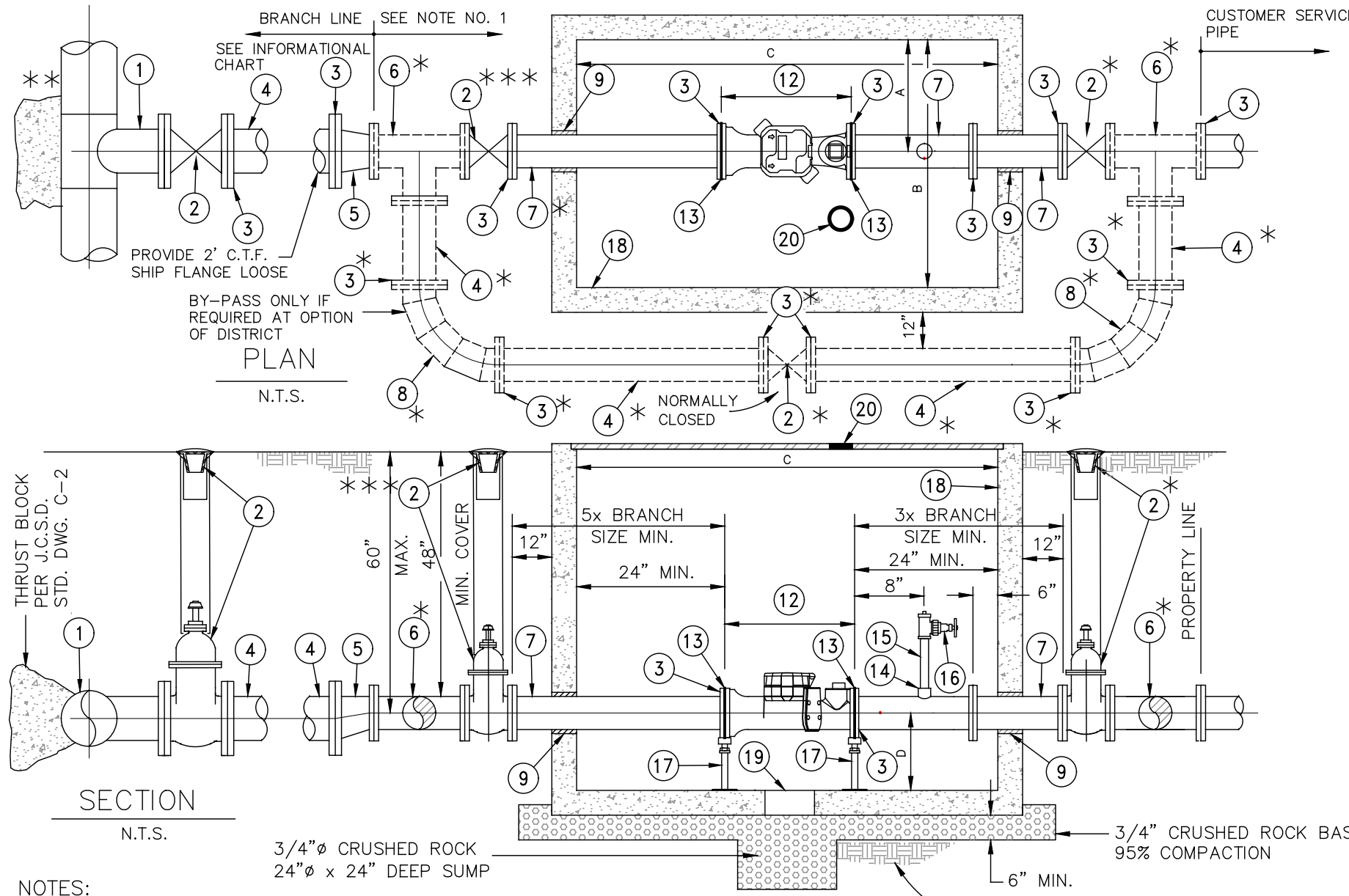
* ONLY IF REQUIRED; AT OPTION OF DISTRICT. IF NO BY-PASS IS INSTALLED THE 4" DIA. GATE VALVE DOWNSTREAM OF THE METER IS NOT REQUIRED AND THE DISTRICT'S MAINTENANCE STOPS AT THE METER.

* * WATERMAIN IS PVC PIPE OR D.I.P., USE D.I. PIPE AND FITTINGS. REFER TO D-5B FOR DETAILS.

* * * REQUIRED UNLESS OTHERWISE SPECIFIED BY DISTRICT

| | | |
|--|--|-------------|
| JURUPA COMMUNITY SERVICES DISTRICT | | |
| SCALE: NONE | 3" WATER SERVICE METER | DRAWING NO. |
| DATE: JANUARY 2026 | | D-4B |
| APPROVED BY:  | APPROVED BY:  | |
| Jesse Pompa, Dir. Of Eng. & Wtr Resources | Matthew Abel, Dir. Of Ops. | |

REV.



| ITEM | DESCRIPTION |
|------|---|
| 1 | MAINLINE DIA. x BRANCH DIA. (A.W.W.A.) FLANGED OUTLET TEE. |
| 2 | 6" DIA. VALVE BOX AND GATE VALVE INSTALLATION PER J.C.S.D. STD. DWG. NO. B-1. |
| 3 | 150# SLIP ON FLANGE (TYPICAL). |
| 4 | CML/CMC W.S.P. (10 GA. MIN.). |
| 5 | BRANCH x METER SIZE A.W.W.A. "FLAT TOP" FLANGED REDUCER. |
| 6 | CML/CMC W.S.P. (10 GA. MIN.); OR CML/CMC A.W.W.A. FLANGED TEE IF REQUIRED BY DISTRICT. |
| 7 | STD. WT. STL. PIPE, CML/CMC. |
| 8 | CML/CMC A.W.W.A. FLANGED 90° BEND (CEMENT MORTAR LINED CAST IRON 90° BEND MAY BE SUBSTITUTED UPON APPROVAL BY DISTRICT). |
| 9 | KNOCKOUTS AS REQUIRED (2" LARGER THAN PIPE SIZE O.D. ALL AROUND) DRY PACK ALL AROUND PIPE. |
| 10 | NOT USED |
| 11 | NOT USED |
| 12 | AMI ULTRASONIC METER (FURNISHED BY DEVELOPER AS APPROVED BY DISTRICT). |
| 13 | VOLTACEPT TROJAN FLANGE ISOLATION KIT BY APS WITH NUTS, BOLTS, WASHERS, SLEEVES, AND G-10 CATHODIC WATER METER ISOLATION GASKET. |
| 14 | 2 1/2", 3/16" THICK WALL, COUPLING WELDED TO TOP OF PIPE. |
| 15 | 2 1/2"Ø x 12" LONG STD. BRASS THREADED NIPPLE. |
| 16 | 2 1/2"Ø SCREWED FIRE PROTECTION GATE VALVE, IPT x NST, WITH HOSE CAP & SAFETY CHAIN, ALL BRONZE, NRS, WITH MAL. IRON HAND WHEEL, 175 PSI MWWP; NIBCO MODEL NO. T-103-HC OR APPROVED EQUAL. |
| 17 | PIPE SUPPORT PER J.C.S.D. STD. DWG. NO. A-5. |
| 18 | PRE-CAST CONCRETE VAULT WITH 2 PIECE TORSION HINGED GALVANIZED OR ALUMINUM COVER. QUICKSET OR APPROVED EQUAL. COVER TO BE SPECIFIED FOR TRAFFIC LOADS WHERE REQUIRED. PROVIDE 6" X 6" METER READING LID IN COVER. NOTE: DEPENDENT UPON SELECTED METER DIMENSIONS VAULT SIZE MAY NEED TO BE INCREASED TO MAINTAIN MINIMUM INTERNAL CLEARANCE DIMENSIONS SHOWN. |
| 19 | 12" DIA. SUMP |
| 20 | FLUSH FIT REMOTE METER READ INSTALLATION FOR METER ENDPOINT, NICOR VAULT KIT, 8" DIA. TOP AND BOTTOM PLATES WITH BOLTS, 8" DIA. HOLE IN LID. |

- NOTES:**
- DIAMETERS FOR PIPELINE & APPURTENANCES SHALL BE EQUAL TO THE METER SIZE.
 - THE WATER SERVICE VAULT SHALL BE LOCATED & INSTALLED SUBJECT TO APPROVAL OF THE DISTRICT. WHERE VAULT IS INSTALLED IN PARKWAY WITH CURB AND SIDEWALK, THE VAULT SHALL BE PLACED PARALLEL TO THE CURB LINE AND PIPING.
 - ADJUST VAULT AND COVER TO MEET SIDEWALK & CURB GRADE.
 - VALVE COVER, POST INDICATOR, AND ALL METAL INSIDE VAULT TO BE PAINTED WITH PRIMER AND TWO (2) COATS OF PAINT PER DISTRICT SPECIFICATION NO PRIMER ON BRASS OR BRONZE.
 - ALL FIELD JOINTS SHALL BE FLANGED UNLESS OTHERWISE INDICATED. ALL WELDED JOINTS ON EPOXY LINED STD. WT. PIPE SHALL BE SHOP FABRICATED & ALL EPOXY LINING SHALL BE SHOP APPLIED.
 - PIPE THREADS SHALL BE CLEAN AND SHARP, AND SEALED WITH APPROVED JOINT COMPOUND.
 - SHOULD THE DEPTH OF THE VAULT EXCEED FOUR (4) FEET, AN OSHA APPROVED LADDER ATTACHED TO AN INSIDE WALL SHALL BE PROVIDED. THE LOCATION OF THE LADDER SHALL BE AS DIRECTED BY THE DISTRICT.

* ONLY IF REQUIRED; AT OPTION OF DISTRICT. IF NO BY-PASS IS INSTALLED THE 4" DIA. GATE VALVE DOWNSTREAM OF THE METER IS NOT REQUIRED AND THE DISTRICT'S MAINTENANCE STOPS AT THE METER.

** IF WATERMAIN IS PVC PIPE OR D.I.P., USE D.I. PIPE AND FITTINGS. REFER TO D-5B FOR DETAILS.

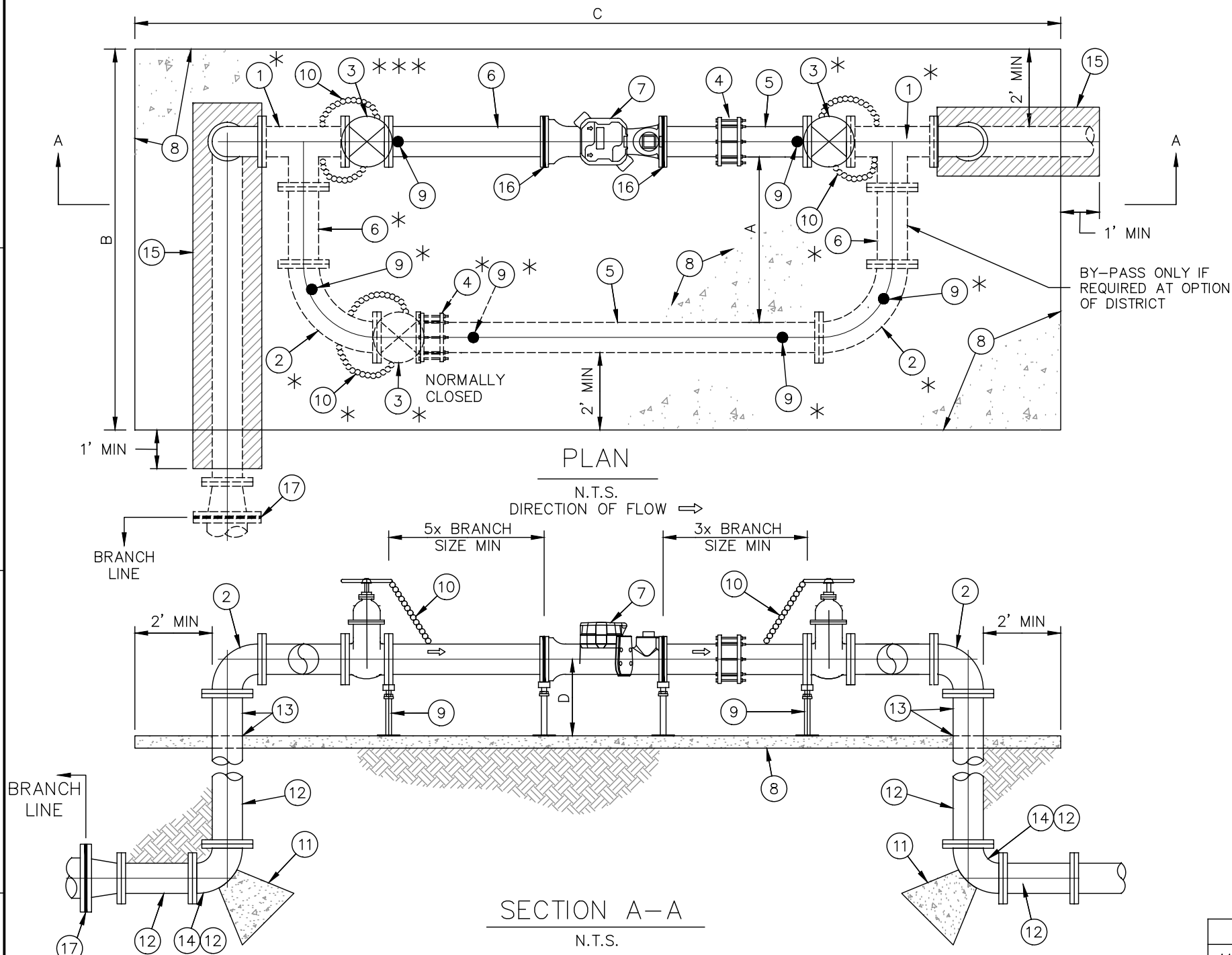
*** REQUIRED UNLESS OTHERWISE SPECIFIED BY DISTRICT

| INFORMATIONAL CHART | | | | | | | |
|---------------------|-------------|------------|-------|-------|-------|--------------------|------------------|
| METER SIZE | BRANCH SIZE | DIMENSIONS | | | | MAXIMUM FLOW (GPM) | |
| | | A | B | C | D | DOMESTIC * | DOM. + FIRE FLOW |
| 3" | 4" | 3'-0" | 6'-0" | 6'-0" | 1'-6" | 250 | 500 |
| 4" | 6" | 3'-0" | 6'-0" | 6'-0" | 1'-8" | 420 | 1000 |
| 6" | 8" | 3'-0" | 6'-0" | 6'-0" | 2'-0" | 920 | 2000 |
| 8" | 10" | 3'-0" | 6'-0" | 8'-0" | 2'-0" | 1600 | 3500 |

JURUPA COMMUNITY SERVICES DISTRICT

| | | |
|---|---|-------------|
| SCALE: NONE | 3", 4", 6", & 8" WATER SERVICE METER | DRAWING NO. |
| DATE: JANUARY 2026 | | D-5A |
| APPROVED BY: | APPROVED BY: | |
| Jesse Pompa, Dir. Of Eng. & Wtr Resources | Matthew Abel, Dir. Of Ops. | |

REV.



| ITEM | DESCRIPTION |
|------|--|
| 1 | FLANGED D.I. TEE (FUSION BONDED EPOXY LINED, SHOP EPOXY PRIMER AND FIELD APPLIED TWO (2) COATS, OUTSIDE PAINTED). |
| 2 | 90° FLANGED D.I. ELBOW (FUSION BONDED EPOXY LINED, SHOP EPOXY PRIMER AND FIELD APPLIED TWO (2) COATS, OUTSIDE PAINTED). |
| 3 | FL X FL RESILIENT WEDGE GATE VALVE |
| 4 | FLANGE COUPLING ADAPTER. |
| 5 | FLANGE X PLAIN END D.I. SPOOL (LENGTH AS REQUIRED - 1" MIN.) FUSION BONDED EPOXY LINED, SHOP EPOXY PRIMER AND FIELD APPLIED TWO (2) COATS, OUTSIDE PAINTED. |
| 6 | FLANGED D.I. SPOOL (LENGTH AS REQUIRED) FUSION BONDED EPOXY LINED, SHOP EPOXY PRIMER AND FIELD APPLIED TWO (2) COATS, OUTSIDE PAINTED. |
| 7 | AMI ULTRASONIC METER (FURNISHED BY DEVELOPER AS APPROVED BY DISTRICT). |
| 8 | 6" MIN. THICK CLASS "AA" CONCRETE PAD W/ 6"x6"x 10 GA. W.W.M. |
| 9 | PIPE SUPPORT PER J.C.S.D. STD. DWG. NO. A-5. |
| 10 | 1 3/8" ZINC PLATED CHAIN (LENGTH AS REQUIRED - TO SECURE VALVE). |
| 11 | THRUST BLOCK PER J.C.S.D. STD. DWG. NO. C-1. |
| 12 | D.I. FLANGES, PIPE, AND FITTINGS SHALL BE DOUBLE CEMENT LINED AND BITUMINOUS COATING PER JCSD SPECIFICATIONS. FOR BELOW GRADE D.I.P. PROVIDE FOR DOUBLE POLYETHYLENE ENCASEMENT PER DISTRICT SPECIFICATIONS. |
| 13 | FOR BELOW TO ABOVE GRADE TRANSITION D.I.P., TRIM POLYETHYLENE ENCASEMENT AT THE TRANSITION AND PAINT ABOVE GRADE PORTION WITH PRIMER AND TWO (2) COATS OF PAINT. |
| 14 | 90° D.I. ELBOW DOUBLE CEMENT LINED AND PER JCSD SPECIFICATIONS (FL X FL). |
| 15 | BACKFILL TRENCH W/2 SACK CEMENT SLURRY |
| 16 | VOLTACEPT TROJAN FLANGE ISOLATION KIT BY APS WITH NUTS, BOLTS, WASHERS, SLEEVES, AND G-10 CATHODIC WATER METER ISOLATION GASKET. |
| 17 | FOR CONNECTION TO CML&C PIPE, PROVIDE TROJAN FLANGE ISOLATION KIT BY APS WITH NUTS, BOLTS, WASHERS, SLEEVES, AND TYPE E GASKETS. |

| METER SIZE | BRANCH SIZE | DIMENSIONS (** = WITHOUT BYPASS) | | | | MAXIMUM FLOW (GPM) | |
|------------|-------------|----------------------------------|---------|-----------|-------|--------------------|------------------|
| | | A | B (**) | C (**) | D | DOMESTIC * | DOM. + FIRE FLOW |
| 3" | 4" | 2'-6" | 7' (5') | 11' (10') | 1'-6" | 250 | 500 |
| 4" | 6" | 2'-6" | 7' (5') | 12' (10') | 1'-8" | 420 | 1000 |
| 6" | 8" | 3'-6" | 9' (6') | 15' (13') | 2'-0" | 920 | 2000 |
| 8" | 10" | 3'-6" | 9' (6') | 18' (15') | 2'-0" | 1600 | 3500 |

NOTES:

- DIAMETERS FOR PIPELINE & APPURTENANCES (EXCEPT BRANCH LINE) SHALL BE EQUAL TO THE METER SIZE.
- METER SHALL BE INSTALLED IN THE HORIZONTAL PLANE.
- ALL FIELD JOINTS SHALL BE FLANGED UNLESS OTHERWISE INDICATED.
- PIPE THREADS SHALL BE CLEAN AND SHARP, AND SEALED WITH APPROVED JOINT COMPOUND.
- PAINT SHALL BE SAFETY RED.
- FLANGED OR GROOVED DUCTILE IRON SPOOL AND FITTINGS SHALL BE CLASS 53.

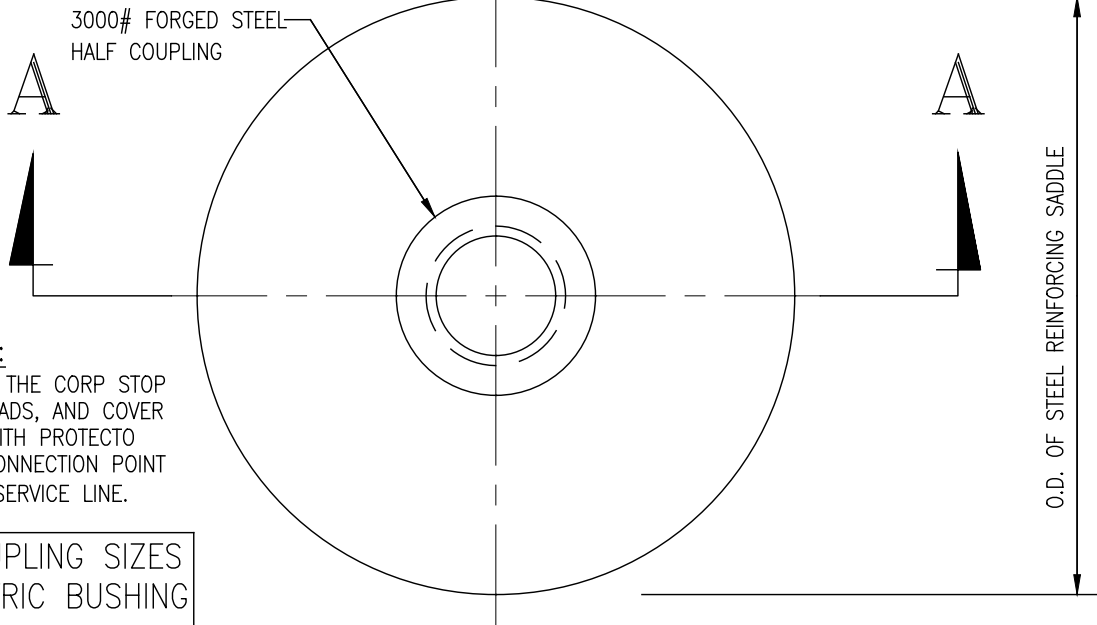
* ONLY IF REQUIRED; AT OPTION OF DISTRICT. IF NO BY-PASS IS INSTALLED THE GATE VALVE DOWNSTREAM OF THE METER IS NOT REQUIRED AND THE DISTRICT'S MAINTENANCE STOPS AT THE METER.

*** REQUIRED UNLESS OTHERWISE SPECIFIED BY DISTRICT

JURUPA COMMUNITY SERVICES DISTRICT

| | | |
|---|--|----------------------------|
| SCALE: NONE | 3", 4", 6", & 8" | DRAWING NO. |
| DATE: JANUARY 2026 | ABOVE GRADE WATER SERVICE METER | D-5B |
| APPROVED BY: | APPROVED BY: | |
| Jesse Pompa, Dir. Of Eng. & Wtr Resources | | Matthew Abel, Dir. Of Ops. |

REV.

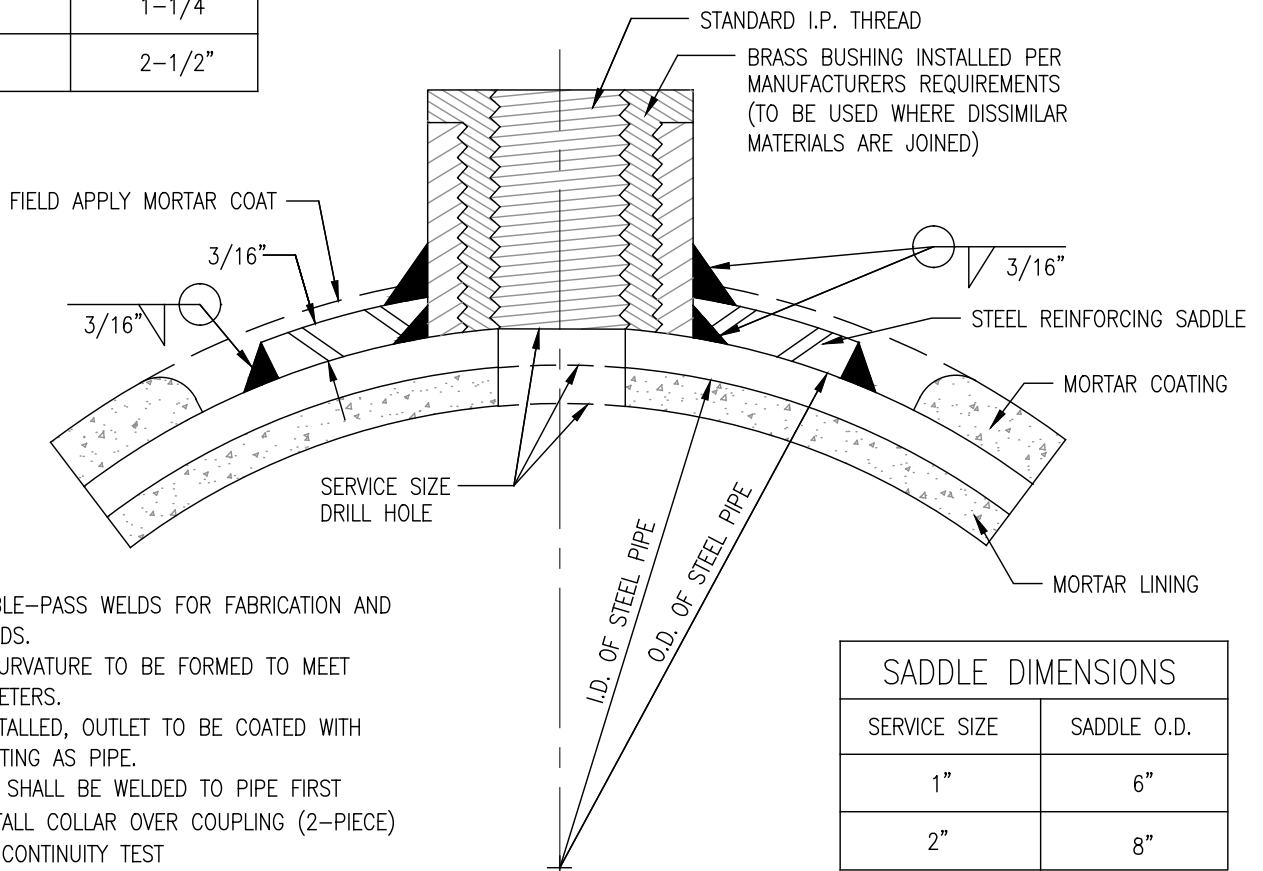


BUSHING NOTES:

TEFLON TAPE OVER THE CORP STOP AND BUSHING THREADS, AND COVER THE CONNECTION WITH PROTECTO WRAP FROM THE CONNECTION POINT TO 3' ALONG THE SERVICE LINE.

TYPICAL COUPLING SIZES FOR DIALECTRIC BUSHING

| SERVICE SIZE (FEMALE THREAD) | COUPLING SIZE (MALE THREAD) |
|------------------------------|-----------------------------|
| 1" | 1-1/4" |
| 2" | 2-1/2" |



NOTES:

1. USE DOUBLE-PASS WELDS FOR FABRICATION AND FIELD WELDS.
2. SADDLE CURVATURE TO BE FORMED TO MEET PIPE DIAMETERS.
3. WHEN INSTALLED, OUTLET TO BE COATED WITH SAME COATING AS PIPE.
4. COUPLING SHALL BE WELDED TO PIPE FIRST THAN INSTALL COLLAR OVER COUPLING (2-PIECE)
5. PERFORM CONTINUITY TEST

| SADDLE DIMENSIONS | |
|-------------------|-------------|
| SERVICE SIZE | SADDLE O.D. |
| 1" | 6" |
| 2" | 8" |

SECTION A-A

JURUPA COMMUNITY SERVICES DISTRICT

SCALE: NONE

DATE: JANUARY 2026

SERVICE OUTLET SADDLE

DRAWING NO.

D-6

REV.

APPROVED BY:

Jesse Pompa, Dir. Of Eng. & Wtr Resources

APPROVED BY:

Matthew Abel, Dir. Of Ops.

STANDARD DRAWING NO. D-7 DELETED

JURUPA COMMUNITY SERVICES DISTRICT

SCALE: NONE

DATE: JANUARY 2026


COMMERCIAL / INDUSTRIAL
DUAL METER CONFIGURATION

DRAWING NO.

D-7

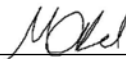
REV.

APPROVED BY:

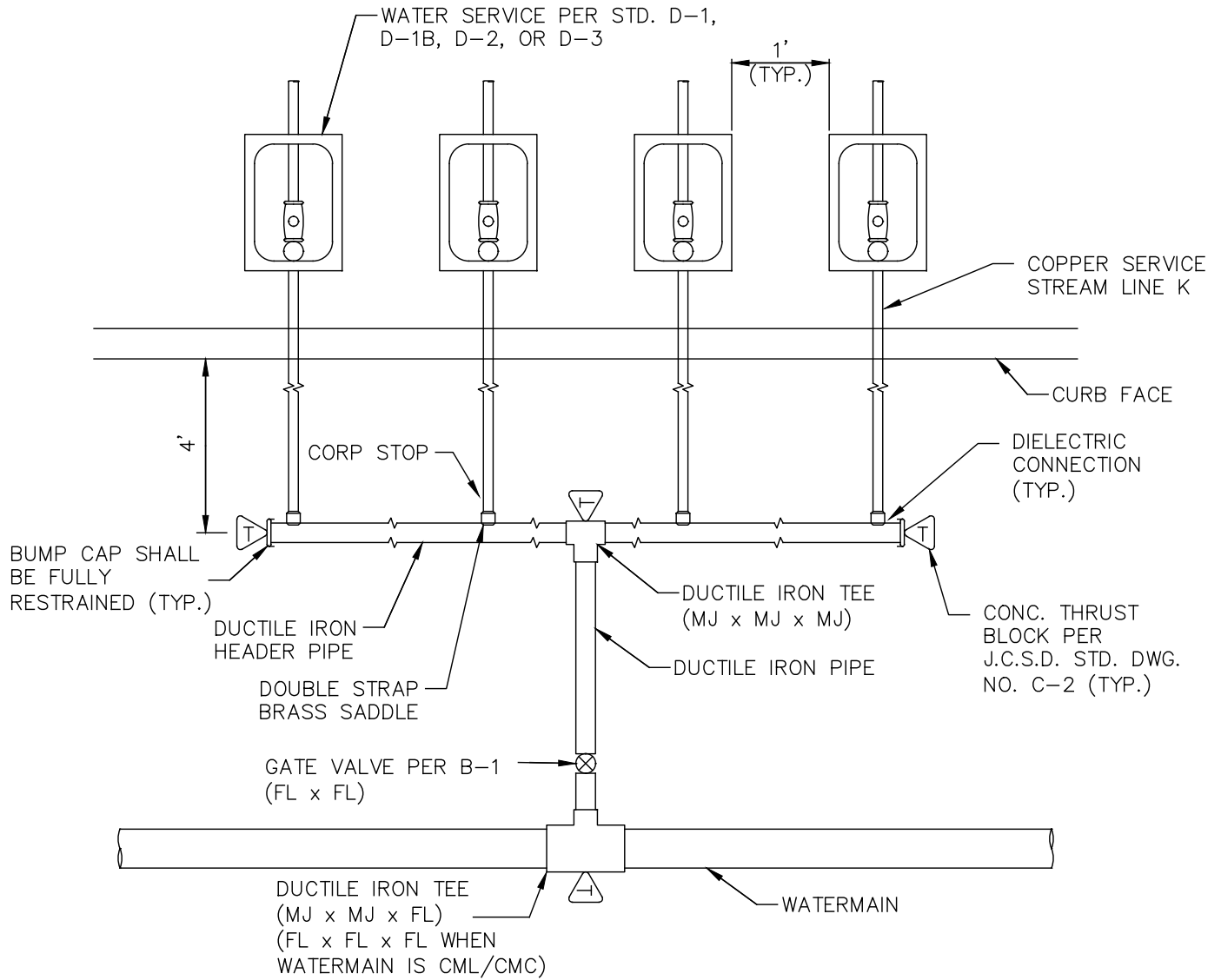


Jesse Pompa, Dir. Of Eng. & Wtr Resources

APPROVED BY:



Matthew Abel, Dir. Of Ops.



MANIFOLD DESIGN GUIDELINES ¹

| MANIFOLD DIA. | MAXIMUM NO. OF 2" (OR SMALLER) WATER SERVICES |
|---------------|---|
| 4" | 4 |
| 6" | 8 |

1. SIZING SHOULD BE VERIFIED BY THE DESIGN ENGINEER BASED UPON THE SPECIFIC AVAILABLE PRESSURES IN THE WATERMAIN AND THE ON-SITE WATER SERVICE PRESSURES REQUIRED.
2. SERVICE MANIFOLD SHALL BE APPROVED BY DISTRICT, AND WILL BE ALLOWED ONLY WHERE MULTIPLE INDIVIDUAL SERVICE LATERALS ARE NOT PHYSICALLY POSSIBLE.
3. ALL DUCTILE IRON PIPE AND FITTINGS SHALL BE CEMENT MORTAR LINED.
4. MANIFOLD SHALL NOT BE INSTALLED WITHOUT THE DISTRICT'S WRITTEN AUTHORIZATION.

JURUPA COMMUNITY SERVICES DISTRICT

SCALE: NONE

DATE: JANUARY 2026

SERVICE MANIFOLD DETAIL

DRAWING NO.

D-8

REV.

APPROVED BY:

Jesse Pompa, Dir. Of Eng. & Wtr Resources

APPROVED BY:

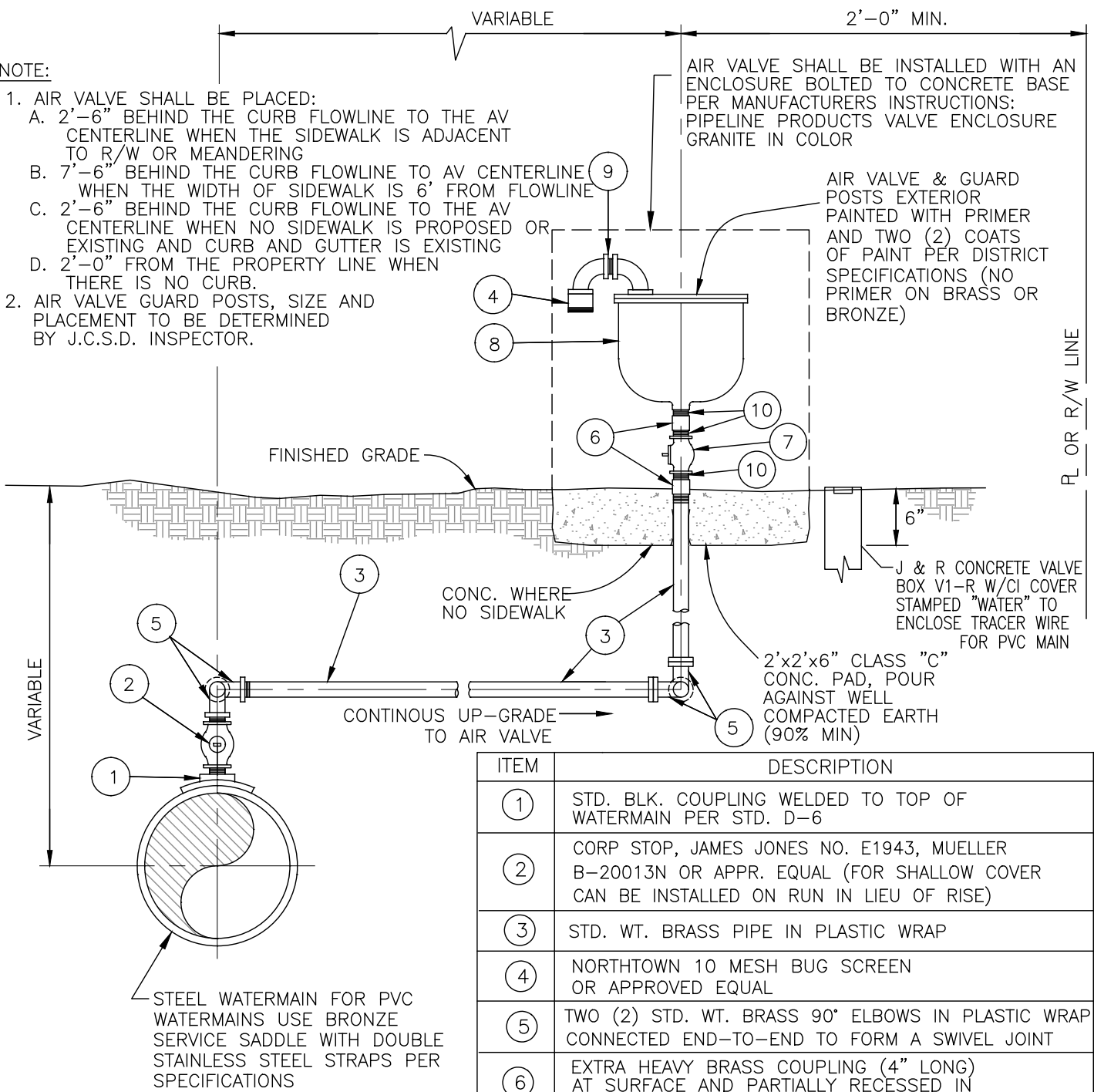
Matthew Abel, Dir. Of Ops.

NOTE:

1. AIR VALVE SHALL BE PLACED:
 - A. 2'-6" BEHIND THE CURB FLOWLINE TO THE AV CENTERLINE WHEN THE SIDEWALK IS ADJACENT TO R/W OR MEANDERING
 - B. 7'-6" BEHIND THE CURB FLOWLINE TO AV CENTERLINE WHEN THE WIDTH OF SIDEWALK IS 6' FROM FLOWLINE
 - C. 2'-6" BEHIND THE CURB FLOWLINE TO THE AV CENTERLINE WHEN NO SIDEWALK IS PROPOSED EXISTING AND CURB AND GUTTER IS EXISTING
 - D. 2'-0" FROM THE PROPERTY LINE WHEN THERE IS NO CURB.
2. AIR VALVE GUARD POSTS, SIZE AND PLACEMENT TO BE DETERMINED BY J.C.S.D. INSPECTOR.

AIR VALVE SHALL BE INSTALLED WITH AN ENCLOSURE BOLTED TO CONCRETE BASE PER MANUFACTURERS INSTRUCTIONS: PIPELINE PRODUCTS VALVE ENCLOSURE GRANITE IN COLOR

AIR VALVE & GUARD POSTS EXTERIOR PAINTED WITH PRIMER AND TWO (2) COATS OF PAINT PER DISTRICT SPECIFICATIONS (NO PRIMER ON BRASS OR BRONZE)



VARIABLE

FL OR R/W LINE

| ITEM | DESCRIPTION |
|------|---|
| ① | STD. BLK. COUPLING WELDED TO TOP OF WATERMAIN PER STD. D-6 |
| ② | CORP STOP, JAMES JONES NO. E1943, MUELLER B-20013N OR APPR. EQUAL (FOR SHALLOW COVER CAN BE INSTALLED ON RUN IN LIEU OF RISE) |
| ③ | STD. WT. BRASS PIPE IN PLASTIC WRAP |
| ④ | NORTHTOWN 10 MESH BUG SCREEN OR APPROVED EQUAL |
| ⑤ | TWO (2) STD. WT. BRASS 90° ELBOWS IN PLASTIC WRAP CONNECTED END-TO-END TO FORM A SWIVEL JOINT |
| ⑥ | EXTRA HEAVY BRASS COUPLING (4" LONG) AT SURFACE AND PARTIALLY RECESSED IN CONCRETE |
| ⑦ | BRASS BALL VALVE AS APPROVED BY DISTRICT |
| ⑧ | AIR RELEASE VALVE AS APPROVED BY DISTRICT |
| ⑨ | STD. BLK. 90° ST. ELBOW, 3" LONG STD. BLK. NIPPLE THREADED TWO ENDS, STD. BLK. 90° ELBOW, & 3" LONG STD. BLK. NIPPLE THREADED ONE END, ORIENTED TO CLEAR AIR VALVE BODY |
| ⑩ | EXTRA HEAVY BRASS PIPE NIPPLE THREADED BOTH ENDS 3" |

NOTE:

1. ALL PIPE, FITTINGS, AND VALVES SHALL BE SAME DIA. AS AIR VALVE INLET.
2. PIPE THREADS SHALL BE CLEAN AND SHARP AND SEALED WITH AN APPROVED JOINT COMPOUND
3. A.R.I. OR APPROVED EQUAL.
4. MINIMUM AIR VALVE ENCLOSURE SIZE FOR A.R.I. VALVES SHALL BE 18"X30".

JURUPA COMMUNITY SERVICES DISTRICT

| | | |
|---|-------------------------------|-------------|
| SCALE: NONE | AIR VALVE INSTALLATION | DRAWING NO. |
| DATE: JANUARY 2026 | 1" DIA. | E-1 |
| APPROVED BY: | APPROVED BY: | |
| Jesse Pompa, Dir. Of Eng. & Wtr Resources | Matthew Abel, Dir. Of Ops. | |

REV.

NOTE:

1. AIR VALVE SHALL BE PLACED:
 - A. 2'-6" BEHIND THE CURB FLOWLINE TO THE AV CENTERLINE WHEN THE SIDEWALK IS ADJACENT TO R/W OR MEANDERING
 - B. 7'-6" BEHIND THE CURB FLOWLINE TO AV CENTERLINE WHEN THE WIDTH OF SIDEWALK IS 6' FROM FLOWLINE
 - C. 2'-6" BEHIND THE CURB FLOWLINE TO THE AV CENTERLINE WHEN NO SIDEWALK IS PROPOSED OR EXISTING AND CURB AND GUTTER IS EXISTING
 - D. 2'-0" FROM THE PROPERTY LINE WHEN THERE IS NO CURB.
2. AIR VALVE GUARD POSTS, SIZE AND PLACEMENT TO BE DETERMINED BY J.C.S.D. INSPECTOR.

AIR VALVE SHALL BE INSTALLED WITH AN ENCLOSURE BOLTED TO CONCRETE BASE PER MANUFACTURERS INSTRUCTIONS: PIPELINE PRODUCTS VALVE ENCLOSURE GRANITE IN COLOR

AIR VALVE & GUARD POSTS EXTERIOR PAINTED WITH PRIMER AND TWO (2) COATS OF PAINT PER DISTRICT SPECIFICATIONS (NO PRIMER ON BRASS OR BRONZE)

POUR CONC. ONLY WHEN CAN IS LOCATED OFF PAVEMENT

FINISHED GROUND SURFACE

CONC. WHERE NO SIDEWALK

J & R CONCRETE VALVE BOX V1-R W/CI COVER STAMPED "WATER" TO ENCLOSE TRACER WIRE FOR PVC MAIN

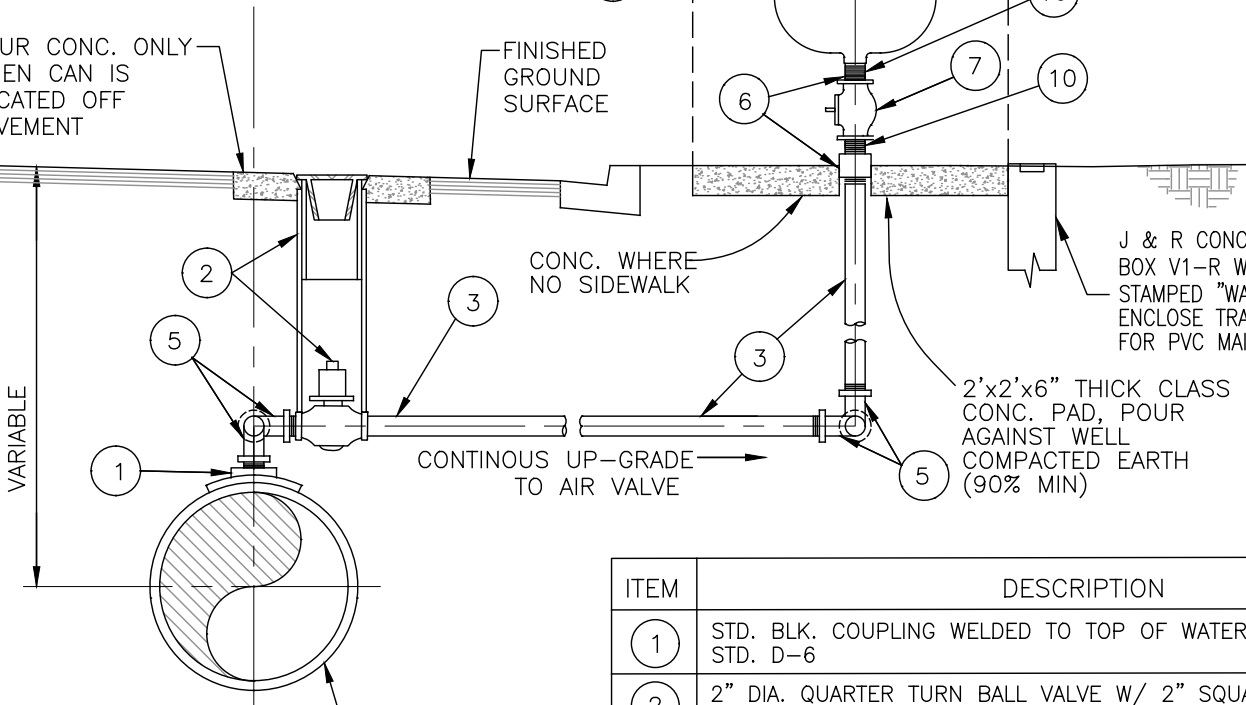
2'x2'x6" THICK CLASS "C" CONC. PAD, POUR AGAINST WELL COMPACTED EARTH (90% MIN)

CONTINUOUS UP-GRADE TO AIR VALVE

VARIABLE

2'-0" MIN.

FL OR R/W LINE



STEEL WATERMAIN; FOR PVC WATERMAINS USE BRONZE SERVICE SADDLE WITH DOUBLE STAINLESS STEEL STRAPS PER SPECIFICATIONS

NOTE:

1. ALL PIPE, FITTINGS, AND VALVES SHALL BE SAME DIA. AS AIR VALVE INLET.
2. PIPE THREADS SHALL BE CLEAN AND SHARP AND SEALED WITH AN APPROVED JOINT COMPOUND
3. A.R.I. OR APPROVED EQUAL.
4. MINIMUM AIR VALVE ENCLOSURE SIZE FOR A.R.I. VALVES SHALL BE 18"X30".

| ITEM | DESCRIPTION |
|------|---|
| 1 | STD. BLK. COUPLING WELDED TO TOP OF WATERMAIN PER STD. D-6 |
| 2 | 2" DIA. QUARTER TURN BALL VALVE W/ 2" SQUARE OPERATING NUT, 6" DIA. VALVE CAN PER STD. DWG. B-1 |
| 3 | STD. WT. BRASS PIPE IN SLEEVE. |
| 4 | NORTHTOWN 10 MESH BUG SCREEN OR APPROVED EQUAL |
| 5 | TWO (2) STD. WT. BRASS 90° ELBOWS IN PLASTIC WRAP CONNECTED END-TO-END TO FORM A SWIVEL JOINT |
| 6 | EXTRA HEAVY BRASS COUPLING (4" LONG) AT SURFACE AND PARTIALLY RECESSED IN CONCRETE |
| 7 | BRASS BALL VALVE AS APPROVED BY DISTRICT |
| 8 | AIR RELEASE VALVE AS APPROVED BY DISTRICT |
| 9 | STD. BLK. 90° ST. ELBOW, 3" LONG STD. BLK. NIPPLE THREADED TWO ENDS, STD. BLK. 90° ELBOW, & 3" LONG STD. BLK. NIPPLE THREADED ONE END, ORIENTED TO CLEAR AIR VALVE BODY |
| 10 | EXTRA HEAVY BRASS PIPE NIPPLE THREADED BOTH ENDS 3" |

JURUPA COMMUNITY SERVICES DISTRICT

SCALE: NONE

DATE: JANUARY 2026

2" DIA. AIR VALVE INSTALLATION W/ BALL VALVE

DRAWING NO.

E-1A

REV.

APPROVED BY:

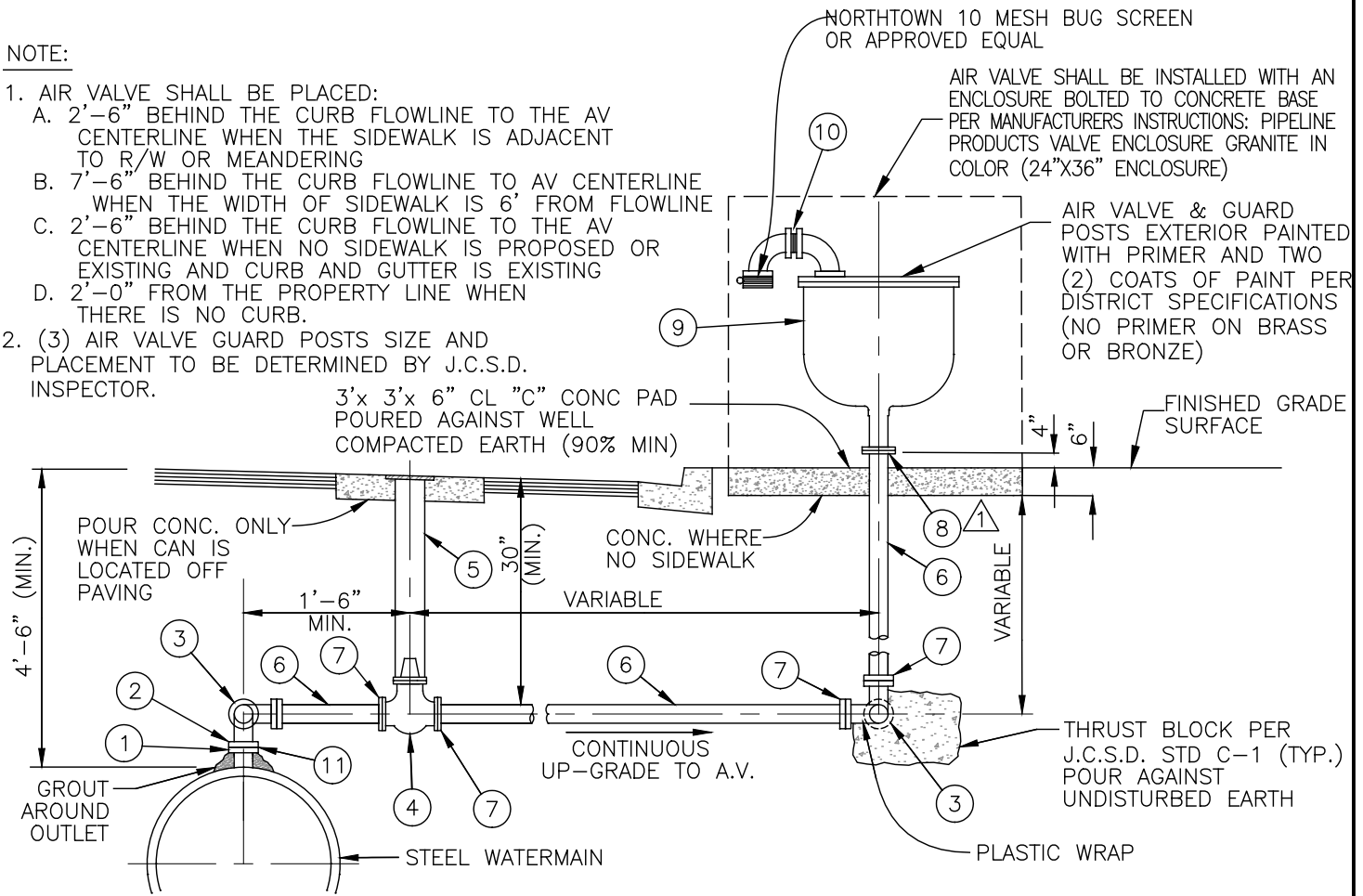
Jesse Pompa, Dir. Of Eng. & Wtr Resources

APPROVED BY:

Matthew Abel, Dir. Of Ops.

NOTE:

1. AIR VALVE SHALL BE PLACED:
 - A. 2'-6" BEHIND THE CURB FLOWLINE TO THE AV CENTERLINE WHEN THE SIDEWALK IS ADJACENT TO R/W OR MEANDERING
 - B. 7'-6" BEHIND THE CURB FLOWLINE TO AV CENTERLINE WHEN THE WIDTH OF SIDEWALK IS 6' FROM FLOWLINE
 - C. 2'-6" BEHIND THE CURB FLOWLINE TO THE AV CENTERLINE WHEN NO SIDEWALK IS PROPOSED OR EXISTING AND CURB AND GUTTER IS EXISTING
 - D. 2'-0" FROM THE PROPERTY LINE WHEN THERE IS NO CURB.
2. (3) AIR VALVE GUARD POSTS SIZE AND PLACEMENT TO BE DETERMINED BY J.C.S.D. INSPECTOR.



| ITEM | DESCRIPTION |
|------|---|
| 1 | 4" DIA. STANDARD WEIGHT MIN. OUTLET WELDED TO PIPE PER STD. C-6 WITH A.S.A. 150 LB. SLIP-ON FLANGE (WELDED FLANGE ON-SITE TO VALVE) |
| 2 | 4" DIA. A.S.A. 150 LB WELD NECK FLANGE. |
| 3 | 4" DIA. 90° FLGD. BEND, STD. WT. CML/CMC DOUBLE 90° JOINT |
| 4 | 4" DIA. A.W.W.A. C-509 FLANGED RESILIENT SEAT GATE VALVE, 200 W.O.G. I.B.B.M., N.R.S., "O" RING SEAL, 2" SQ. OPERATING NUT, PER DISTRICT STD. DWG. NO. B-1. |
| 5 | STANDARD VALVE BOX INSTALLATION PER STD. NO. B-1. |
| 6 | 4" DIA. STEEL PIPE, STANDARD WEIGHT CML/CMC, (FLxPE). |
| 7 | 4" DIA. 150 LB. SLIP-ON FLANGE (SHIP LOOSE FOR FIELD WELDING) |
| 8 | 4" DIA. 150 LB. SLIP-ON FLANGE (SHIP LOOSE FOR FIELD WELDING), FOR 3" AIR VALVE PROVIDE FLANGED 3"X4" REDUCER. USE BREAK-AWAY BOLTS FACING DOWN TO BOLT-ON AIR VAC TO RISER FLANGE. |
| 9 | AIR RELEASE VALVE AS APPROVED BY DISTRICT (3" OR 4"). |
| 10 | STANDARD WEIGHT BLACK 90° STREET ELBOW (3" OR 4"). |
| 11 | A.S.A. 150 FLANGE INSULATING KIT INCLUDE INSULATING GASKET, SLEEVES AND WASHER AS PER SPECS, P.S.I. PRODUCTS INC. TYPE E G.O.S., ONE PIECE S.W. OR APPROVED EQUAL (4" DIA.). |

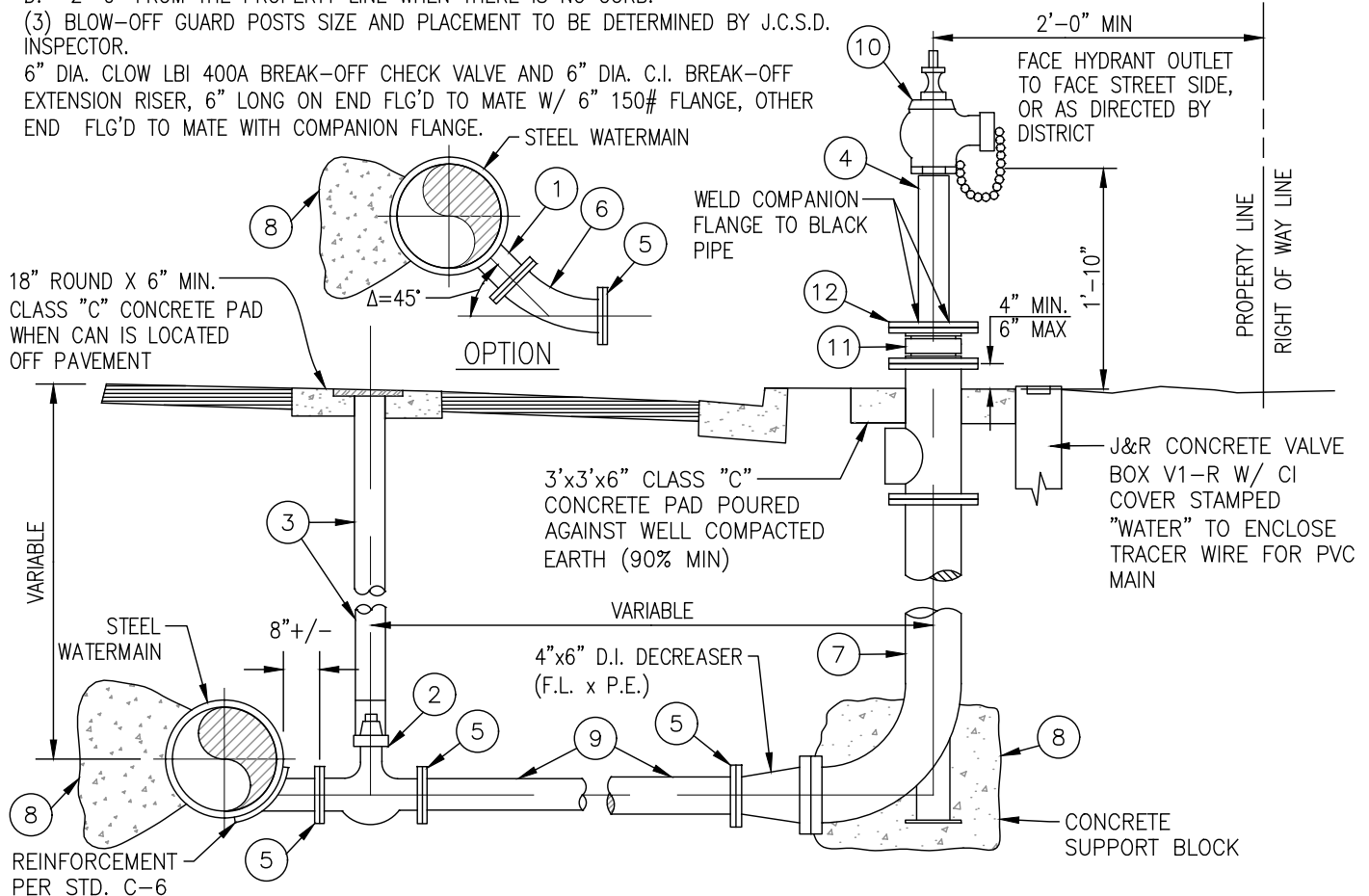
JURUPA COMMUNITY SERVICES DISTRICT

| | | |
|---|--|-------------|
| SCALE: NONE | 3" AND 4" AIR VALVE INSTALLATIONS | DRAWING NO. |
| DATE: JANUARY 2026 | | E-2 |
| APPROVED BY: | APPROVED BY: | |
| Jesse Pompa, Dir. Of Eng. & Wtr Resources | Matthew Abel, Dir. Of Ops. | |

NOTE:

1. BLOW-OFF SHALL BE PLACED:
 - A. 2'-6" BEHIND THE CURB FLOWLINE TO THE BO CENTERLINE WHEN THE SIDEWALK IS ADJACENT TO R/W OR MEANDERING.
 - B. 7'-6" BEHIND THE CURB FLOWLINE TO BO CENTERLINE WHEN THE WIDTH OF SIDEWALK IS 6' FROM FLOWLINE.
 - C. 2'-6" BEHIND THE CURB FLOWLINE TO THE BO CENTERLINE WHEN NO SIDEWALK IS PROPOSED OR EXISTING AND CURB AND GUTTER IS EXISTING.
 - D. 2'-0" FROM THE PROPERTY LINE WHEN THERE IS NO CURB.
2. (3) BLOW-OFF GUARD POSTS SIZE AND PLACEMENT TO BE DETERMINED BY J.C.S.D. INSPECTOR.
3. 6" DIA. CLOW LBI 400A BREAK-OFF CHECK VALVE AND 6" DIA. C.I. BREAK-OFF EXTENSION RISER, 6" LONG ON END FLG'D TO MATE W/ 6" 150# FLANGE, OTHER END FLG'D TO MATE WITH COMPANION FLANGE.

EXTERIOR PAINTED W/PRIMER AND TWO (2) COATS PAINT PER DISTRICT SPECIFICATIONS (NO PRIMER ON BRASS OR BRONZE)



| ITEM | DESCRIPTION |
|------|--|
| (1) | 4-1/2" O.D. X 10 GA. CML/CMC AND REINFORCEMENT COLLAR PER C-6. |
| (2) | 4" DIA. A.W.W.A. C-509 (LATEST) FLG'D. RESILIENT SEAT GATE VALVE, 200WOG, I.B.B.M., N.R.S., "O" RING SEAL, 2" SQ. OPERATING NUT, PER DISTRICT STD. DWG. B-1. |
| (3) | STANDARD VALVE BOX INSTALLATION PER STD B-1. |
| (4) | 4" DIA STD BLACK NIPPLE, OUTSIDE PAINTED. |
| (5) | 4" DIA. 150 LB. SLIP-ON FLANGE. |
| (6) | 4" DIA. FLGD. 4 PC A.W.W.A. 10 GA., 45° BEND, LINED AND COATED SAME AS MAIN. |
| (7) | 6" PO OR MJ X FLANGE CAST IRON FIRE HYDRANT BURY |
| (8) | THRUST BLOCK PER J.C.S.D. STD. DWG. C-2. |
| (9) | 4" DIA. CML/CMC, 10 GA. W.S.P. |
| (10) | 4" x 2-1/2" BRONZE WHARF HYDRANT, JAMES JONES MODEL NO. J-344 H.P. OR APPROVED EQUAL. |
| (11) | BREAK-OFF CHECK VALVE AND RISER PER NOTE 3 HEREON |
| (12) | 6" WELD FLANGE |

JURUPA COMMUNITY SERVICES DISTRICT

| | | |
|---|--------------------------------------|-------------|
| SCALE: NONE | 4" DIA. BLOW-OFF INSTALLATION | DRAWING NO. |
| DATE: JANUARY 2026 | | F-1 |
| APPROVED BY: | APPROVED BY: | |
| Jesse Pompa, Dir. Of Eng. & Wtr Resources | Matthew Abel, Dir. Of Ops. | |

NOTE:

1. BLOW-OFF SHALL BE PLACED:
 - A. 2'-6" BEHIND THE CURB FLOWLINE TO THE FH CENTERLINE WHEN THE SIDEWALK IS ADJACENT TO R/W OR MEANDERING.
 - B. 7'-6" BEHIND THE CURB FLOWLINE TO FH CENTERLINE WHEN THE WIDTH OF SIDEWALK IS 6' FROM FLOWLINE.
 - C. 2'-6" BEHIND THE CURB FLOWLINE TO THE FH CENTERLINE WHEN NO SIDEWALK IS PROPOSED OR EXISTING AND CURB AND GUTTER IS EXISTING.
 - D. 2'-0" FROM THE PROPERTY LINE WHEN THERE IS NO CURB.
2. ALL BLOW-OFFS SHALL HAVE GUARD POSTS, SIZE AND PLACEMENT TO BE DETERMINED BY J.C.S.D. INSPECTOR.
3. 6" DIA. CLOW LBI 400A BREAK-OFF CHECK VALVE AND 6" DIA. C.I. BREAK-OFF EXTENSION RISER, 6" LONG ON END FLG'D TO MATE W/ 6" A.S.A. 150# FLANGE, OTHER END FLG'D TO MATE WITH COMPANION FLANGE.

18" ROUND X 6" MIN. CLASS "C" CONCRETE PAD WHEN CAN IS LOCATED OFF PAVEMENT

6" DIA. VALVE CAN AND CAP PER JCSD STD. DWG. B-1

GATE VALVE PER JCSD STD. NO. B-1 4" PO OR MJ x FLANGED

DUCTILE IRON TEE

CONCRETE THRUST BLOCK PER J.C.S.D. STD. DWG. C-2

4"x6" D.I. DECREASER (F.L. x P.E.)

CLASS "C" CONCRETE SUPPORT SHALL BE POURED TO AVOID INTERFERENCE WITH BOLTED CONNECTIONS

VARIES (3.0 FT. MIN.) RESTRAIN ALL JOINTS

4" PVC (AWWA C-900) WITH LOCATOR WIRE PER DISTRICT STDS.

CONCRETE SUPPORT BLOCK PER J.C.S.D. STD. DWG. C-2

4" x 2 1/2" BRONZE WHARF HYDRANT, JAMES JONES MODEL NO. J-344 H.P. OR APPROVED EQUAL

4" DIA. STD. THREADED AND WELDED BLACK PIPE OUTSIDE PAINTED

WELD FLANGE TO BLACK PIPE

6" WELD FLANGE

BREAK-OFF CHECK VALVE AND RISER PER NOTE 3 HEREON

3'x3'x6" CL. "C" CONC. PAD, POUR AGAINST WELL COMPACTED EARTH. (90% MIN.)

CURB & GUTTER

J & R CONCRETE VALVE BOX VI-R W/ CI COVER STAMPED "WATER" TO ENCLOSE TRACER WIRE

6" PO OR MJ x FLANGE CAST IRON FIRE HYDRANT BURY

1'-10"

4" MIN. 6" MAX.

EXTERIOR PAINTED W/ PRIMER AND TWO (2) COATS OF PAINT PER DISTRICT SPECIFICATIONS (NO PRIMER ON BRASS OR BRONZE).

JURUPA COMMUNITY SERVICES DISTRICT

SCALE: NONE

DATE: JANUARY 2026


4" BLOW-OFF ASSEMBLY (PVC PIPE)

DRAWING NO.

F-1A

REV.

APPROVED BY:



Jesse Pompa, Dir. Of Eng. & Wtr Resources

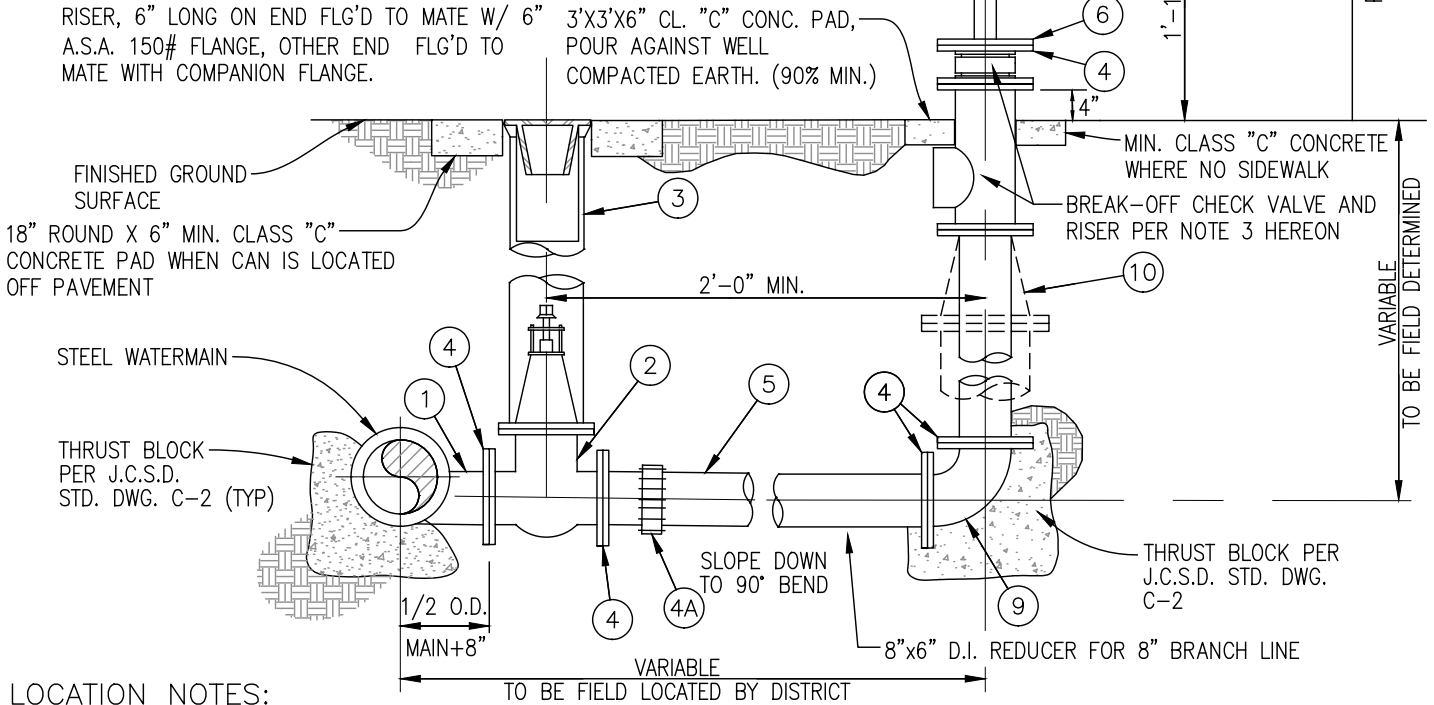
APPROVED BY:



Matthew Abel, Dir. Of Ops.

NOTES:

1. (3) BLOW-OFFS GUARD POSTS SIZE AND PLACEMENT TO BE DETERMINED BY J.C.S.D. INSPECTOR.
2. BLOW-OFF EXTERIOR (INCLUDING GUARD POSTS) TO BE PAINTED WITH PRIMER AND TWO (2) COATS OF PAINT PER DISTRICT SPECIFICATIONS. (NO PRIMER ON BRASS OR BRONZE).
3. 6" DIA. CLOW LBI 400A BREAK-OFF CHECK VALVE AND 6" DIA. C.I. BREAK-OFF EXTENSION RISER, 6" LONG ON END FLG'D TO MATE W/ 6" A.S.A. 150# FLANGE, OTHER END FLG'D TO MATE WITH COMPANION FLANGE.



LOCATION NOTES:

1. BLOW-OFF SHALL BE PLACED:
 - A. 2'-6" BEHIND THE CURB FLOWLINE TO THE BO CENTERLINE WHEN THE SIDEWALK IS ADJACENT TO R/W OR MEANDERING.
 - B. 7'-6" BEHIND THE CURB FLOWLINE TO BO CENTERLINE WHEN THE WIDTH OF SIDEWALK IS 6' FROM FLOWLINE.
 - C. 2'-6" BEHIND THE CURB FLOWLINE TO THE BO CENTERLINE WHEN NO SIDEWALK IS PROPOSED OR EXISTING AND CURB AND GUTTER IS EXISTING.
 - D. 2'-0" FROM THE PROPERTY LINE WHEN THERE IS NO CURB.

| ITEM | DESCRIPTION |
|------|---|
| ① | TANGENTIAL OUTLET, 10 GA. CML/CMC AND REINFORCED PER STD. C-6. |
| ② | 6" OR 8" GATE VALVE PER STD. B-1 (SIZE AS SPECIFIED ON DRAWING). |
| ③ | 6" DIA. VALVE BOX INSTALLATION PER STD. DWG. B-1. |
| ④ | A.S.A. 150 LB. SLIP-ON FLANGES (SHIP LOOSE FOR FIELD WELDING). |
| ④A | INSTALL FLEX COUPLING PER DISTRICT SPECIFICATIONS WHERE WATERMAIN IS 24" DIA. & LARGER. |
| ⑤ | WELDED STEEL PIPE, 10 GA. CML/CMC. |
| ⑥ | A.S.A. 150 LB. REDUCING SCR. COMPANION FLANGE (4" x 13 1/2"). |
| ⑦ | 4" STD. BLACK PIPE, OUTSIDE PAINTED. |
| ⑧ | 4" x 2 1/2" BRONZE WHARF HYDRANT, J. JONES MODEL NO. J-344 H.P. OR APPROVED EQUAL. |
| ⑨ | 6" OR 8" DIA. STD. WT. LONG RADIUS CML/CMC 90° BEND |
| ⑩ | 6" x 8" STD. WT. CML/CMC REDUCER, IF APPLICABLE |

JURUPA COMMUNITY SERVICES DISTRICT

SCALE: NONE

DATE: JANUARY 2026

6" & 8" BLOW-OFF INSTALLATION

DRAWING NO.

F-2

REV.

APPROVED BY:

Jesse Pompa, Dir. Of Eng. & Wtr Resources

APPROVED BY:

Matthew Abel, Dir. Of Ops.

STANDARD DRAWING NO. F-3 DELETED

JURUPA COMMUNITY SERVICES DISTRICT

SCALE: NONE

DATE: JANUARY 2026

TEMPORARY END OF LINE
BLOW-OFF

DRAWING NO.

F-3

REV.

APPROVED BY:



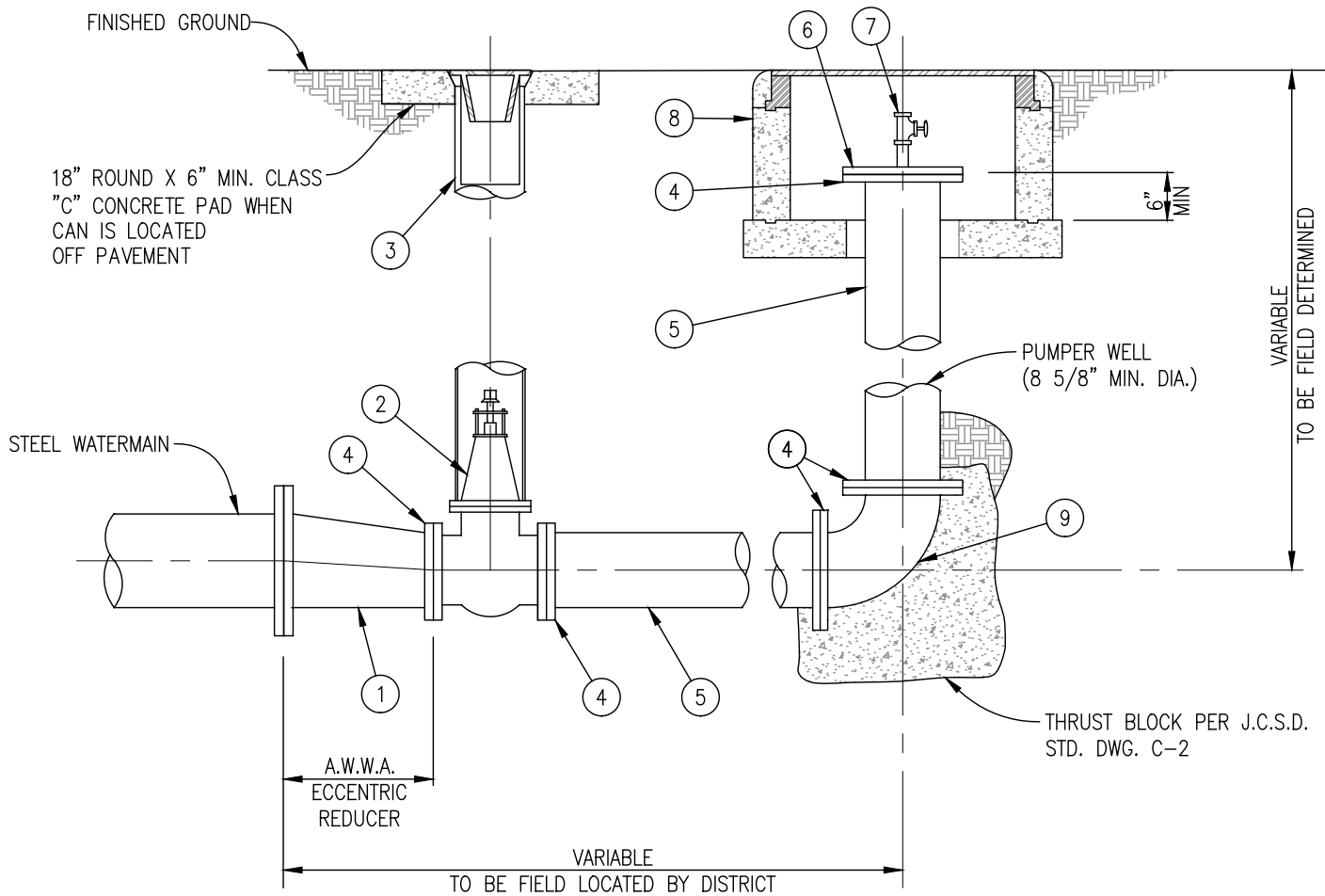
Jesse Pompa, Dir. Of Eng. & Wtr Resources

APPROVED BY:



Matthew Abel, Dir. Of Ops.

NOTE: DISTRICT DIRECTED USE ONLY



| ITEM | DESCRIPTION |
|------|--|
| ① | LINE SIZE x 4" DIA. A.W.W.A. FLGD. REDUCER, 10 GA., CML/CMC |
| ② | 4" GATE VALVE PER STD. B-1 |
| ③ | VALVE BOX INSTALLATION PER STD. B-1 |
| ④ | A.S.A. 150 LB. SLIP-ON FLANGES (SHIP LOOSE FOR FIELD WELDING) |
| ⑤ | WELDED STEEL PIPE, 10 GA. MIN., CML/CMC |
| ⑥ | A.S.A. 150 LB. REDUCING SCR. COMPANION FLANGE (2" x 9") |
| ⑦ | 2-1/2" DIA. SCREWED FIRE PROTECTION G.V. I.P.T. x N.S.T. W/HOSE CAP & SAFETY CHAIN, ALL BRONZE, NRS, W/MAL. IRON HAND WHEEL, 175 PSI MWWP NIBCO MODEL NO T-103-HC OR APPR. EQ. |
| ⑧ | TYPICAL BLOW-OFF MANHOLE PER STD. I-3 |
| ⑨ | 4" DIA. STD. WT. LONG RADIUS CML/CMC 90° BEND |

JURUPA COMMUNITY SERVICES DISTRICT

| | | |
|---|---|-------------|
| SCALE: NONE | 4" END OF LINE BLOW-OFF INSTALLATION | DRAWING NO. |
| DATE: JANUARY 2026 | | F-4 |
| APPROVED BY: | APPROVED BY: | |
| Jesse Pompa, Dir. Of Eng. & Wtr Resources | Matthew Abel, Dir. Of Ops. | |

STANDARD DRAWING NO. F-4M DELETED

JURUPA COMMUNITY SERVICES DISTRICT

SCALE: NONE

DATE: JANUARY 2026

6" BLOW-OFF INSTALLATION

DRAWING NO.

F-4M

REV.

APPROVED BY:



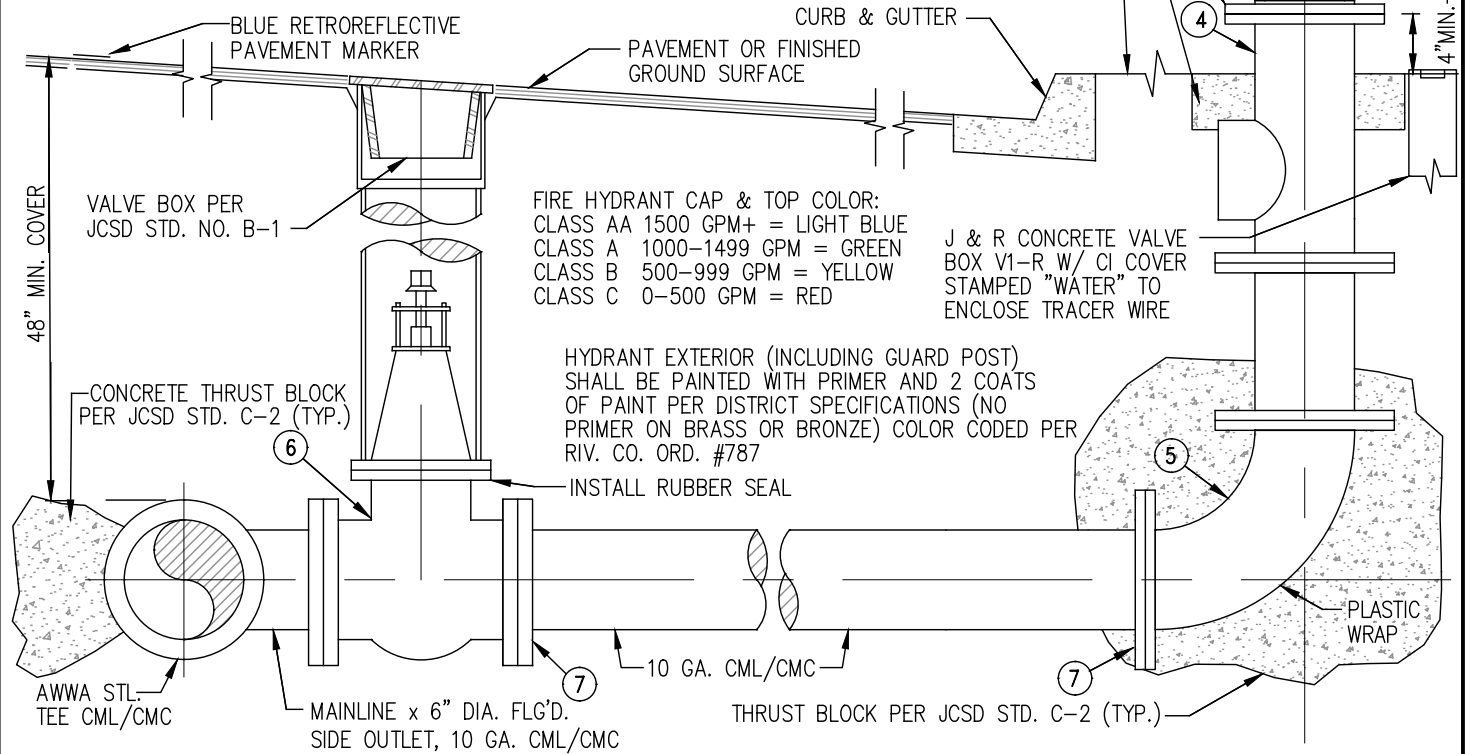
Jesse Pompa, Dir. Of Eng. & Wtr Resources

APPROVED BY:



Matthew Abel, Dir. Of Ops.

1. FIRE HYDRANT SHALL BE PLACED:
 - A. 2'-6" BEHIND THE CURB FLOWLINE TO THE FH CENTERLINE WHEN THE SIDEWALK IS ADJACENT TO R/W OR MEANDERING.
 - B. 7'-6" BEHIND THE CURB FLOWLINE TO FH CENTERLINE WHEN THE WIDTH OF SIDEWALK IS 6' FROM FLOWLINE.
 - C. 2'-6" BEHIND THE CURB FLOWLINE TO THE FH CENTERLINE WHEN NO SIDEWALK IS PROPOSED OR EXISTING AND CURB AND GUTTER IS EXISTING.
 - D. 2'-0" FROM PROPERTY LINE WITH NO CURB.
2. ALL FIRE HYDRANTS SHALL HAVE GUARD POSTS; SIZE AND PLACEMENT BY J.C.S.D. INSPECTOR (LOCATE 3' CLEAR (MIN.) FROM F.H.).
3. FIRE HYDRANT OUTLET ORIENTATION SHALL BE PER RIV. CO. ORD. #787.
4. INSTALL BLUE RETROREFLECTIVE PAVEMENT MARKER ON ALL FIRE HYDRANTS (TWO AT INTERSECTIONS) IN ACCORDANCE WITH RIVERSIDE COUNTY FIRE DEPT. LOCATION RECOMMENDATIONS.



| * ITEM | DESCRIPTION |
|--------|---|
| ① | STANDARD FIRE HYDRANT, HEAD & FLUTED SPOOL COMPLETE. 1-4" STEAMER HOSE OUTLET & 1-2 1/2" HOSE OUTLET. 6 HOLE PATTERN, JAMES JONES MODEL J-4040, W/BRONZE OR PLASTIC PLASTIC CAPS & CHAIN OR APPROVED EQUAL. |
| ①A | SUPER FIRE HYDRANT, COMPLETE; 1-4" STEAMER HOSE OUTLET AND 2-2 1/2" HOSE OUTLET & 2-2 1/2" HOSE OUTLETS, 8 HOLE PATTERN, JAMES JONES MODEL J-3765, W/BRONZE OR PLASTIC CAPS AND CHAIN. |
| ② | 6" DIA. C.I. BREAK-OFF EXTENSION RISER, 6" LONG, ONE END FLG'D. TO MATE W/6" A.S.A. 150# SLIP-ON FLG., OTHER END FLG'D. TO MATE HYDRANT SPOOL. |
| ③ | 6" A.S.A. 150# SLIP-ON FLG. TO MATE BREAK-OFF SPOOL. SHIP LOOSE FOR FIELD WELDING. |
| ④ | 6" DIA. CLOW LBIW #400A BREAK-OFF CHECK VALVE. |
| ⑤ | 6" DIA. STD. WT. LONG RADIUS CML/CMC 90° BEND |
| ⑥ | 6" F x F R.S. GATE VALVE PER STD. NO. B-1. |
| ⑦ | 6" A.S.A. 150# SLIP-ON FLG. TO MATE GATE VALVE. SHIP LOOSE FOR FIELD WELDING. |

* UNLESS A "SUPER" FIRE HYDRANT IS DESIGNATED ON THE DRAWINGS, FIRE HYDRANT SHALL BE "STANDARD" PER ITEM. ① WHERE A "SUPER" FIRE HYDRANT IS SPECIFIED, HYDRANT SHALL BE PER ITEM. ①A

JURUPA COMMUNITY SERVICES DISTRICT

| | | |
|---|---|---------------------------|
| SCALE: NONE | TYPICAL 6" FIRE HYDRANT INSTALLATION | DRAWING NO. G-1 |
| DATE: JANUARY 2026 | | G-1A |
| APPROVED BY: | APPROVED BY: | |
| Jesse Pompa, Dir. Of Eng. & Wtr Resources | Matthew Abel, Dir. Of Ops. | |

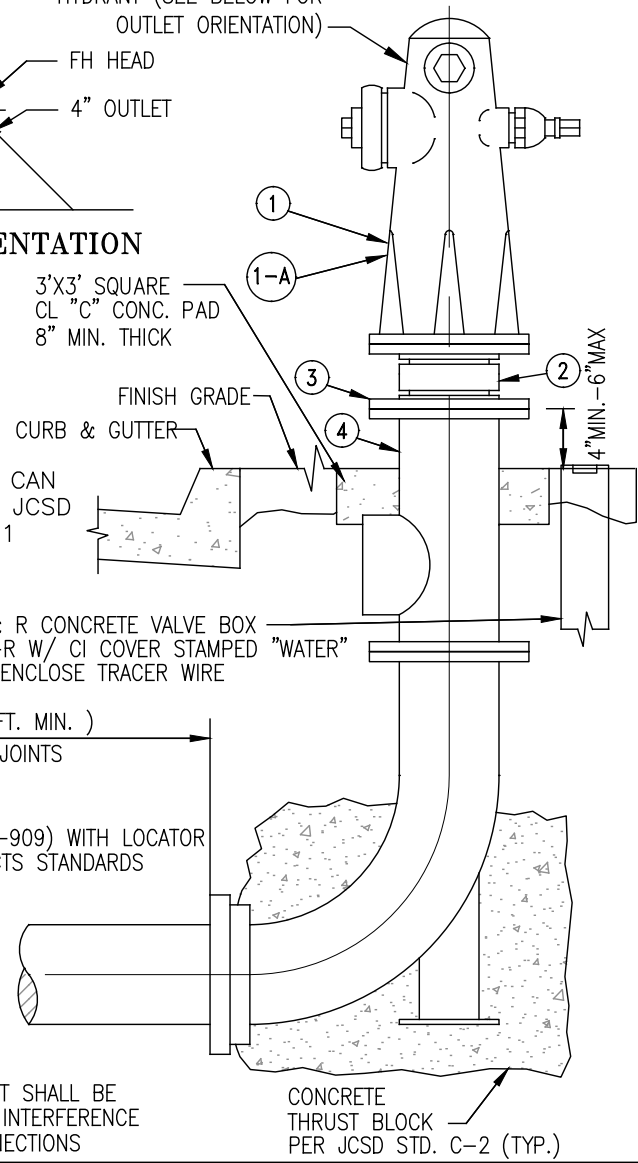
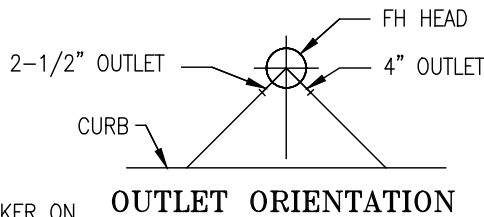
1. FIRE HYDRANT SHALL BE PLACED:
 - A. 2'-6" BEHIND THE CURB FLOWLINE TO THE FH CENTERLINE WHEN THE SIDEWALK IS ADJACENT TO R/W OR MEANDERING
 - B. 7'-6" BEHIND THE CURB FLOWLINE TO FH CENTERLINE WHEN THE WIDTH OF SIDEWALK IS 6' FROM FLOWLINE
 - C. 2'-6" BEHIND THE CURB FLOWLINE TO THE FH CENTERLINE WHEN NO SIDEWALK IS PROPOSED OR EXISTING AND CURB AND GUTTER IS EXISTING
 - D. 2'-0" FROM PROPERTY LINE WITH NO CURB.

2. ALL FIRE HYDRANTS SHALL HAVE GUARD POSTS; SIZE AND PLACEMENT BY J.C.S.D. INSPECTOR. (LOCATE 3' CLEAR (MIN.) FROM F.H.).

3. FIRE HYDRANT CAP AND TOP COLOR;
 1500 GPM + = LIGHT BLUE
 1000-1499 GPM = GREEN
 500-999 GPM = YELLOW
 0-499 GPM = RED

4. INSTALL BLUE RETROREFLECTIVE PAVEMENT MARKER ON ALL FIRE HYDRANTS (TWO AT INTERSECTIONS) IN ACCORDANCE WITH RIVERSIDE COUNTY FIRE DEPARTMENT LOCATION RECOMMENDATIONS.

USE JCSD APPROVED HYDRANT (SEE BELOW FOR OUTLET ORIENTATION)



GATE VALVE PER JCSD STD. NO. B-1

6" PO OR MJ x FLANGED GATE VALVE

DUCTILE IRON TEE

6" DIA. VALVE CAN AND CAP PER JCSD STD. DWG. B-1

J & R CONCRETE VALVE BOX V1-R W/ CI COVER STAMPED "WATER" TO ENCLOSE TRACER WIRE

VARIES (3.0 FT. MIN.) RESTRAIN ALL JOINTS

6" PVC (AWWA C-909) WITH LOCATOR WIRE PER DISTRICTS STANDARDS

CONCRETE THRUST BLOCK PER JCSD STD. C-2 (TYP.)

CONCRETE SUPPORT SHALL BE POURED TO AVOID INTERFERENCE WITH BOLTED CONNECTIONS

CONCRETE THRUST BLOCK PER JCSD STD. C-2 (TYP.)

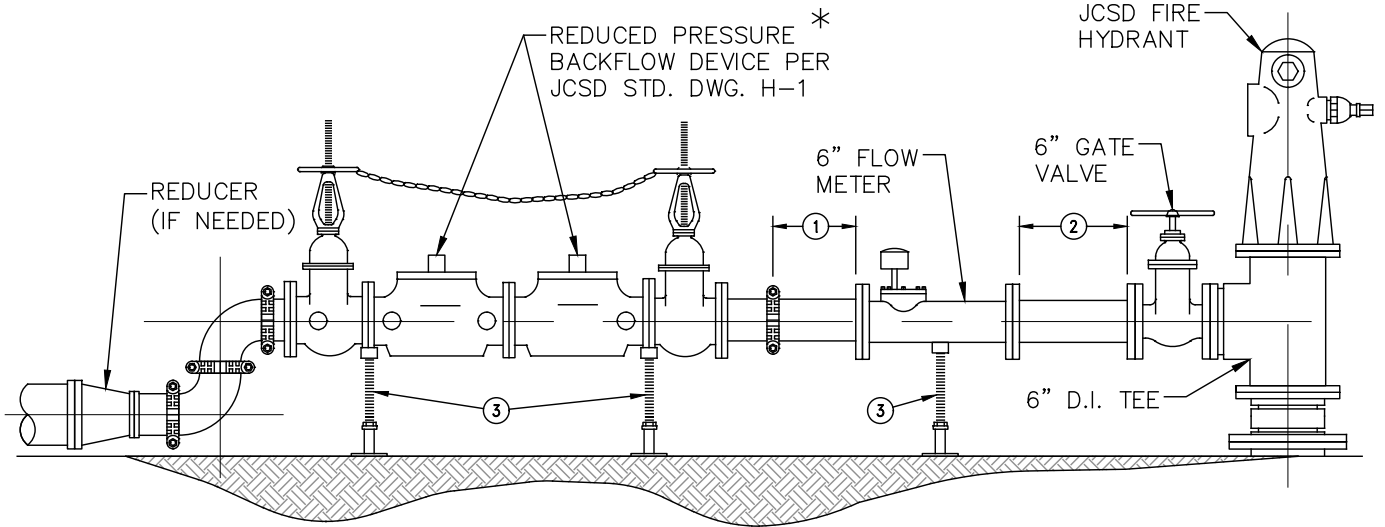
| ITEM | DESCRIPTION |
|-------|--|
| ① | STANDARD DUCTILE IRON BODY FIRE HYDRANT, HEAD & FLUTED SPOOL COMPLETE. 1-4" STEAMER HOSE OUTLET & 1-2 1/2 HOSE OUTLET, 6 HOLE PATTERN, JAMES JONES MODEL J-4040, W/BRONZE OR PLASTIC CAPS AND CHAIN. |
| * ①-A | SUPER FIRE HYDRANT, COMPLETE; 1-4" STEAMER HOSE OUTLET AND 2-2 1/2" HOSE OUTLETS, 8 HOLE PATTERN, JAMES JONES MODEL J-4040, W/BRONZE OR PLASTIC CAPS AND CHAIN. |
| ② | 6" DIA. C.I. BREAK-OFF SPOOL, 6" LONG, ONE END FLG'D. TO MATE W/6" A.S.A. 150# SLIP-ON FLG., OTHER END FLG'D. TO MATE HYDRANT SPOOL. (SHOP FABRICATED). |
| ③ | 6" A.S.A. 150# SLIP-ON FLG. TO MATE BREAK-OFF SPOOL. SHIP LOOSE FOR FIELD WELDING. |
| ④ | 6" DIA. CLOW LBIW # 400A BREAK-OFF CHECK VALVE. |

* UNLESS A "SUPER" FIRE HYDRANT IS DESIGNATED ON THE DRAWINGS, FIRE HYDRANT SHALL BE "STANDARD" PER ① ITEM WHERE A "SUPER" FIRE HYDRANT IS SPECIFIED, HYDRANT SHALL BE PER ITEM. ①-A

JURUPA COMMUNITY SERVICES DISTRICT

| | | |
|---|--|---------------------------|
| SCALE: NONE | TYPICAL 6" FIRE HYDRANT INSTALLATION - PVC, DI PIPE | DRAWING NO. G-2 |
| DATE: JANUARY 2026 | | G-2A |
| APPROVED BY: | APPROVED BY: | |
| Jesse Pompa, Dir. Of Eng. & Wtr Resources | Matthew Abel, Dir. Of Ops. | |

REV.



NOTE:
 OPTIMAL— 10X THE PIPE DIAMETER OF STRAIGHT PIPE BEFORE THE FLOW METER, 5X AFTER
 MINIMUM — 5X THE PIPE DIAMETER OF STRAIGHT PIPE BEFORE THE FLOW METER, 3X AFTER

| ITEM | DESCRIPTION |
|------|---|
| ① | 5X THE PIPE DIA. OF STRAIGHT PIPE AFTER FLOW METER |
| ② | 10X THE PIPE DIA. OF STRAIGHT PIPE BEFORE FLOW METER |
| ③ | MIN. 3 PIPE SUPPORTS PER J.C.S.D. STD. DWG. A-5 WITH TEMP. CONCRETE |

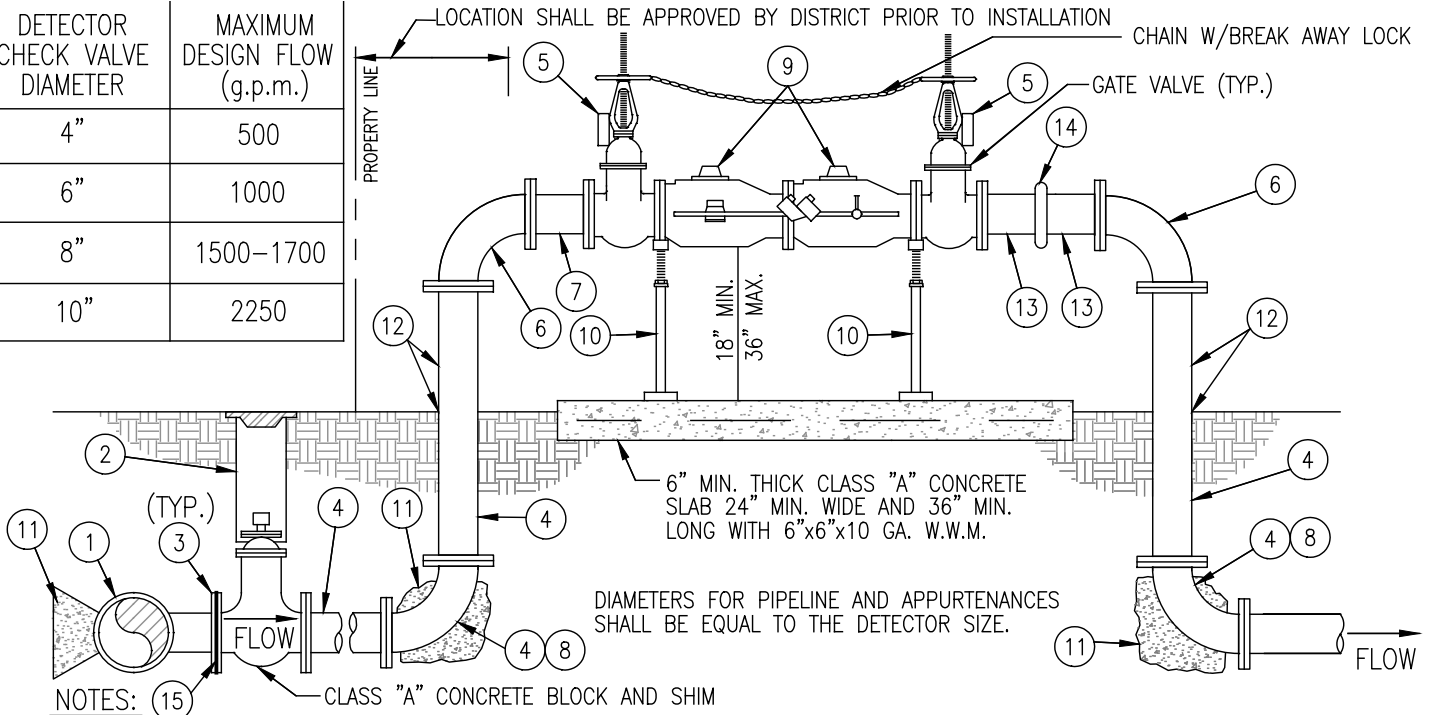
* BACKFLOW SHALL BE RECERTIFIED EVERY TIME THE CONSTRUCTION METER IS RELOCATED.

JURUPA COMMUNITY SERVICES DISTRICT

| | | |
|---|---|---------------------------|
| SCALE: NONE | CONSTRUCTION METER INSTALLATION DETAIL | DRAWING NO. G-3 |
| DATE: JANUARY 2026 | | |
| APPROVED BY: Jesse Pompa, Dir. Of Eng. & Wtr Resources | APPROVED BY: Matthew Abel, Dir. Of Ops. | |

REV.

| DETECTOR CHECK VALVE DIAMETER | MAXIMUM DESIGN FLOW (g.p.m.) |
|-------------------------------|------------------------------|
| 4" | 500 |
| 6" | 1000 |
| 8" | 1500-1700 |
| 10" | 2250 |



NOTES: (15) CLASS "A" CONCRETE BLOCK AND SHIM

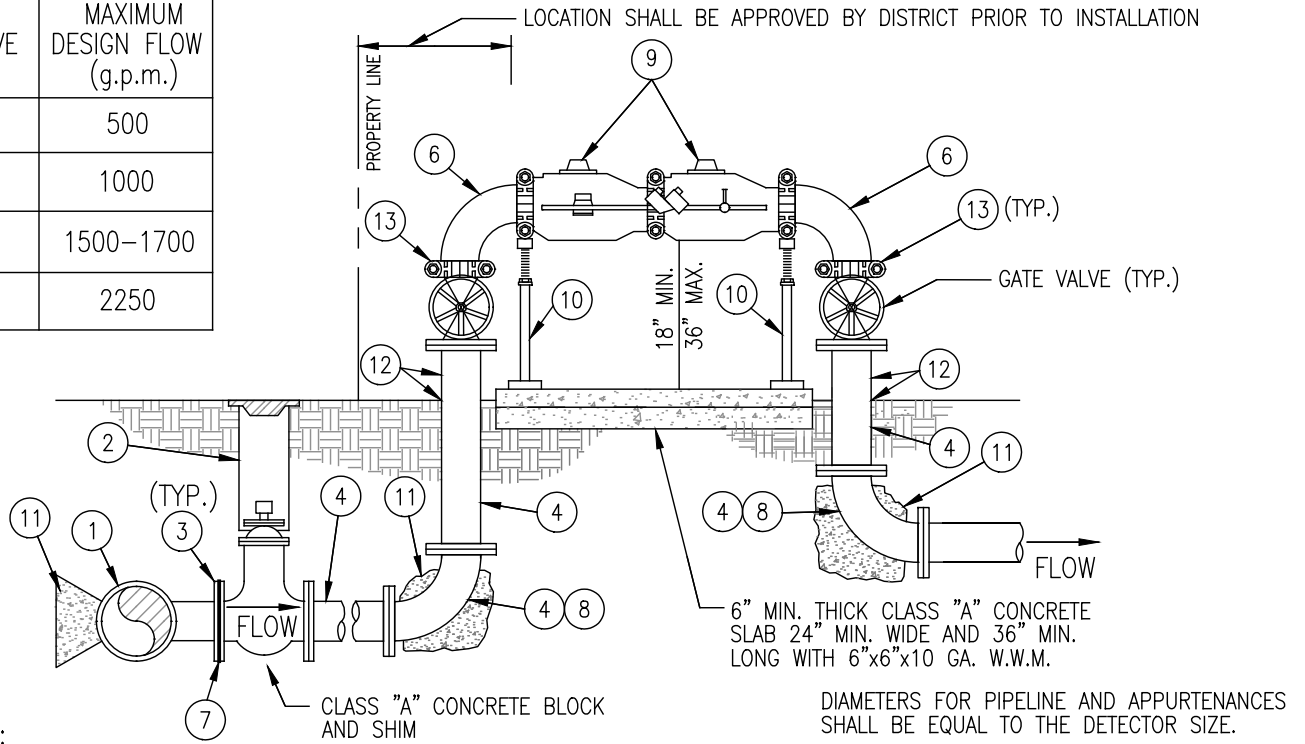
1. THE "APPROVED" FIRE SERVICE SHALL BE LOCATED AND INSTALLED SUBJECT TO THE APPROVAL OF THE DISTRICT.
2. THE FIRE SERVICE MUST BE INSPECTED AND TESTED IMMEDIATELY AFTER INSTALLATION.
3. ALL FIELD JOINTS SHALL BE FLANGED UNLESS OTHERWISE INDICATED. ALL WELDED JOINTS ON EPOXY LINED STD. WT. PIPE SHALL BE SHOP FABRICATED AND ALL EPOXY LINING SHALL BE SHOP APPLIED.
4. PIPE THREADS SHALL BE CLEAN AND SHARP, AND SEALED WITH APPROVED JOINT COMPOUND.
5. PAINT SHALL BE SAFETY RED (NO PRIMER ON BRASS OR BRONZE).

| ITEM | DESCRIPTION |
|------|---|
| (1) | MAINLINE DIA. x BRANCH DIA. TEE. |
| (2) | VALVE BOX & GATE VALVE INSTALLATION PER STD. NO. B-1. |
| (3) | ASA 150# SLIP-ON FLG. (TYP.) TO MATE VALVES AND FLANGED FITTINGS. |
| (4) | D.I. FILANGES, PIPE, AND FITTINGS SHALL BE DOUBLE CEMENT LINED AND BITUMINOUS COATING PER JCSD SPECIFICATIONS. FOR BELOW GRADE D.I.P. PROVIDE FOR DOUBLE POLYETHYLENE ENCASEMENT PER DISTRICT SPECIFICATIONS. |
| (5) | TAMPER SWITCH CONNECTION SHALL BE TO THE NEAREST BUILDING |
| (6) | 90° FLANGED D.I. LONG RADIUS (FUSION BONDED EPOXY LINED, SHOP EPOXY PRIMER AND FIELD APPLIED TWO (2) COATS, OUTSIDE PAINTED) ELBOW (FLxFL). |
| (7) | D.I. SPOOL FUSION BONDED EPOXY LINED, SHOP EPOXY PRIMER AND FIELD APPLIED TWO (2) COATS, OUTSIDE PAINTED ABOVE GRADE (FLxFL). |
| (8) | 90° D.I. ELBOW DOUBLE CEMENT LINED AND PER JCSD SPECIFICATIONS (FLxFL). |
| (9) | DOUBLE CHECK DETECTOR W/BY-PASS METER, W/RADIOREAD PURCHASED FROM THE DISTRICT, (INCLUDING O.S. & Y. VALVES-EPOXY LINED). BY-PASS METER FLOW RATE INDICATOR TO REGISTER IN G.P.M., METER TOTALIZER TO REGISTER IN 100'S CU. FT. |
| (10) | PIPE SUPPORT PER DISTRICT STANDARDS. |
| (11) | CONCRETE THRUST BLOCK PER J.C.S.D. STD. DWG. C-2 |
| (12) | FOR BELOW TO ABOVE GRADE TRANSITION D.I.P., TRIM POLYETHYLENE ENCASEMENT AT THE TRANSITION AND PAINT ABOVE GRADE PORTION WITH PRIMER AND TWO (2) COATS OF PAINT. |
| (13) | D.I. SPOOL, FUSION BONDED EPOXY LINED, SHOP EPOXY PRIMER AND FIELD APPLIED TWO (2) COATS, OUTSIDE PAINTED (FLxGR). |
| (14) | GROOVED COUPLING. |
| (15) | FOR CONNECTION TO CML&C PIPE, PROVIDE TROJAN FLANGE ISOLATION KIT BY APS WITH NUTS, BOLTS, WASHERS, SLEEVES, AND TYPE E GASKETS. |

JURUPA COMMUNITY SERVICES DISTRICT

| | | |
|---|---|---------------------------|
| SCALE: NONE | 4", 6", 8" AND 10" DIA. FIRE SERVICE/ DOUBLE DETECTOR CHECK VALVE INSTALLATION | DRAWING NO. H-1 |
| DATE: JANUARY 2026 | | |
| APPROVED BY: Jesse Pompa, Dir. Of Eng. & Wtr Resources | APPROVED BY: Matthew Abel, Dir. Of Ops. | |

| DETECTOR CHECK VALVE DIAMETER | MAXIMUM DESIGN FLOW (g.p.m.) |
|-------------------------------|------------------------------|
| 4" | 500 |
| 6" | 1000 |
| 8" | 1500-1700 |
| 10" | 2250 |



NOTES:

1. THE "APPROVED" FIRE SERVICE SHALL BE LOCATED AND INSTALLED SUBJECT TO THE APPROVAL OF THE DISTRICT.
2. THE FIRE SERVICE MUST BE INSPECTED AND TESTED IMMEDIATELY AFTER INSTALLATION.
3. ALL FIELD JOINTS SHALL BE FLANGED UNLESS OTHERWISE INDICATED. ALL WELDED JOINTS ON EPOXY LINED STD. WT. PIPE SHALL BE SHOP FABRICATED AND ALL EPOXY LINING SHALL BE SHOP APPLIED.
4. PIPE THREADS SHALL BE CLEAN AND SHARP, AND SEALED WITH APPROVED JOINT COMPOUND.
5. PAINT SHALL BE SAFETY RED (NO PRIMER ON BRASS OR BRONZE).

| ITEM | DESCRIPTION |
|------|---|
| ① | MAINLINE DIA. x BRANCH DIA. TEE. |
| ② | VALVE BOX & GATE VALVE INSTALLATION PER STD. NO. B-1. |
| ③ | ASA 150# SLIP-ON FLG. (TYP.) TO MATE VALVES AND FLANGED FITTINGS. |
| ④ | D.I. FILANGES, PIPE, AND FITTINGS SHALL BE DOUBLE CEMENT LINED AND BITUMINOUS COATING PER JCSD SPECIFICATIONS. FOR BELOW GRADE D.I.P. PROVIDE FOR DOUBLE POLYETHYLENE ENCASEMENT PER DISTRICT SPECIFICATIONS. |
| ⑤ | TAMPER SWITCH CONNECTION SHALL BE TO THE NEAREST BUILDING |
| ⑥ | 90° FLANGED D.I. LONG RADIUS (FUSION BONDED EPOXY LINED, SHOP EPOXY PRIMER AND FIELD APPLIED TWO (2) COATS, OUTSIDE PAINTED) ELBOW (GRxGR). |
| ⑦ | FOR CONNECTION TO CML&C PIPE, PROVIDE TROJAN FLANGE ISOLATION KIT BY APS WITH NUTS, BOLTS, WASHERS, SLEEVES, AND TYPE E GASKETS. |
| ⑧ | 90° D.I. ELBOW DOUBLE CEMENT LINED AND PER JCSD SPECIFICATIONS (FLxFL). |
| ⑨ | DOUBLE CHECK DETECTOR W/BY-PASS METER, W/RADIOREAD PURCHASED FROM THE DISTRICT, (INCLUDING O.S. & Y. VALVES-EPOXY LINED). BY-PASS METER FLOW RATE INDICATOR TO REGISTER IN G.P.M., METER TOTALIZER TO REGISTER IN 100'S CU. FT. |
| ⑩ | PIPE SUPPORT PER DISTRICT STANDARDS. |
| ⑪ | CONCRETE THRUST BLOCK PER J.C.S.D. STD. DWG. C-2 |
| ⑫ | FOR BELOW TO ABOVE GRADE TRANSITION D.I.P. TRIM POLYETHYLENE ENCASEMENT AT THE TRANSITION AND PAINT ABOVE GRADE PORTION WITH PRIMER AND TWO (2) COATS OF PAINT. |
| ⑬ | GROOVED COUPLING. |

JURUPA COMMUNITY SERVICES DISTRICT

SCALE: NONE

DATE: JANUARY 2026

**4", 6", 8" AND 10" DIA. FIRE SERVICE/DOUBLE
DETECTOR CHECK VALVE TYPE N INSTALLATION**

DRAWING NO.

H-1A

REV.

APPROVED BY:

Jesse Pompa, Dir. Of Eng. & Wtr Resources

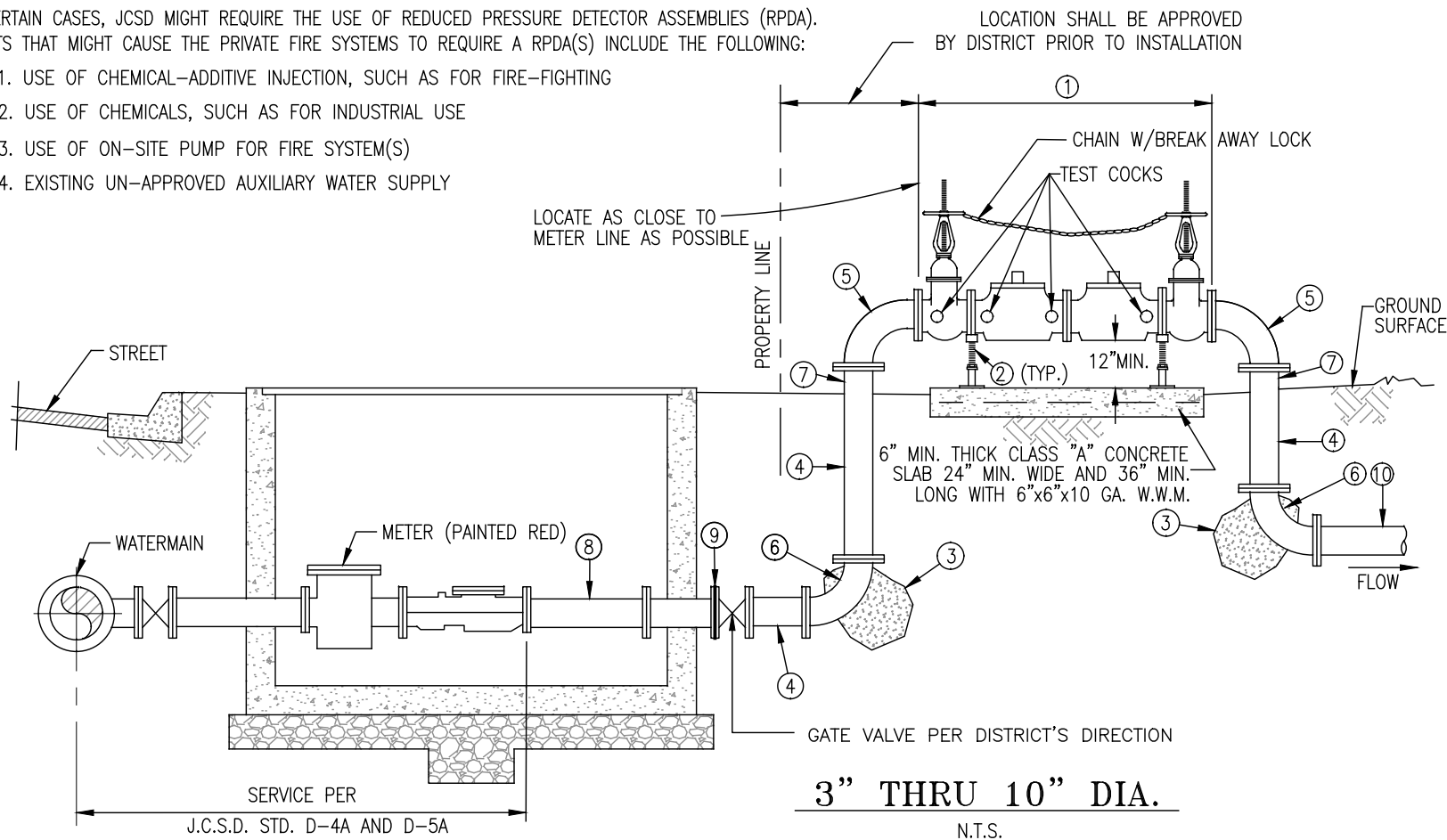
APPROVED BY:

Matthew Abel, Dir. Of Ops.

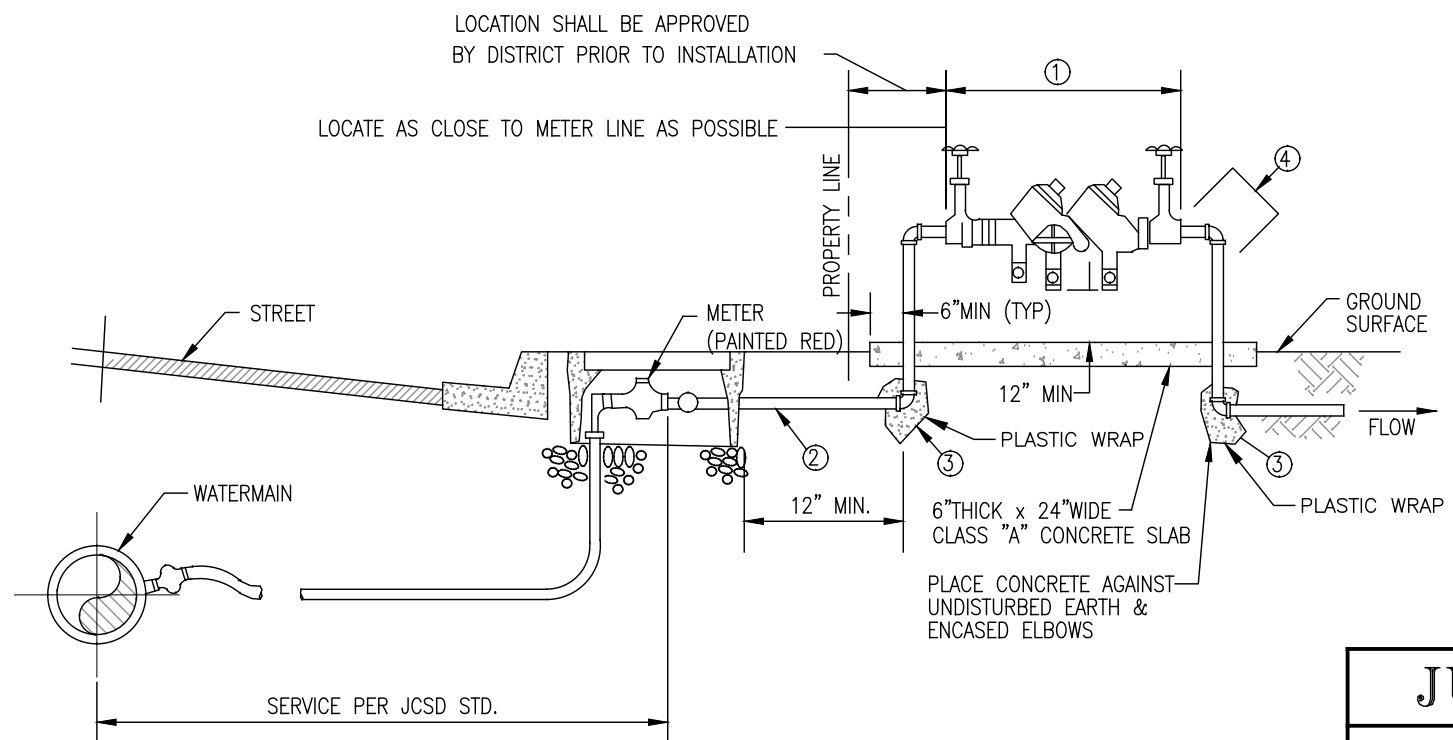
RPDA REQUIREMENT:

IN CERTAIN CASES, JCS D MIGHT REQUIRE THE USE OF REDUCED PRESSURE DETECTOR ASSEMBLIES (RPDA). EVENTS THAT MIGHT CAUSE THE PRIVATE FIRE SYSTEMS TO REQUIRE A RPDA(S) INCLUDE THE FOLLOWING:

1. USE OF CHEMICAL-ADDITIVE INJECTION, SUCH AS FOR FIRE-FIGHTING
2. USE OF CHEMICALS, SUCH AS FOR INDUSTRIAL USE
3. USE OF ON-SITE PUMP FOR FIRE SYSTEM(S)
4. EXISTING UN-APPROVED AUXILIARY WATER SUPPLY



3" THRU 10" DIA.
N.T.S.



1" THRU 2" DIA.
N.T.S.

| ITEM | DESCRIPTION |
|------|---|
| ① | REDUCED PRESSURE BACKFLOW PREVENTION DEVICE PER A.W.W.A. C-511-(LATEST) SERVICE LINE WITH FLG'D. ENDS. A.B.I.W.P. #150 P.S.I. M.W.P., W/GATE VALVES AND TEST COCKS PER DISTRICT APPROVED MANUFACTURERS LIST. |
| ② | PIPE SUPPORTS PER JCS D STANDARD DRAWING NO A-5 (4 MINIMUM) |
| ③ | 3 CU. FT MIN. OF CLASS "C"(2000 PSI) CONCRETE THRUST AND SUPPORT BLOCK |
| ④ | D.I. FILANGES, PIPE, AND FITTINGS SHALL BE DOUBLE CEMENT LINED AND BITUMINOUS COATING PER JCS D SPECIFICATIONS. FOR BELOW GRADE D.I.P. PROVIDE FOR DOUBLE POLYETHYLENE ENCASEMENT PER DISTRICT SPECIFICATIONS. |
| ⑤ | 90° FLANGED D.I. LONG RADIUS (FUSION BONDED EPOXY LINED, SHOP EPOXY PRIMER AND FIELD APPLIED TWO (2) COATS, OUTSIDE PAINTED) ELBOW (FLxFL). |
| ⑥ | 90° D.I. ELBOW DOUBLE CEMENT LINED AND PER JCS D SPECIFICATIONS (FLxFL). |
| ⑦ | FOR BELOW TO ABOVE GRADE TRANSITION D.I.P. TRIM, POLYETHYLENE ENCASEMENT AT THE TRANSITION AND PAINT ABOVE GRADE PORTION WITH PRIMER AND TWO (2) COATS OF PAINT. |
| ⑧ | FOR SERVICE LINE 3" DIA. AND ABOVE SERVICE LINE DIA. x REQ'D. LENGTH STD. WT. WELDED STL. PIPE (CML/C) W/STD. WT. WELDING FITTINGS AND 150# WELD NECK FLG'S. TO MATE REDUCED PRESSURE BACKFLOW PREVENTION DEVICE. |
| ⑨ | FOR CONNECTION TO CML&C PIPE, PROVIDE TROJAN FLANGE ISOLATION KIT BY APS WITH NUTS, BOLTS, WASHERS, SLEEVES, AND TYPE E GASKETS. |
| ⑩ | CUSTOMER SERVICE PIPE |

NOTES:

1. THE "APPROVED" REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTION DEVICE SHALL BE LOCATED AND INSTALLED SUBJECT TO THE APPROVAL OF THE DISTRICT.
2. THE DEVICE MUST BE INSPECTED AND TESTED IMMEDIATELY AFTER INSTALLATION.
3. PIPE THREADS SHALL BE CLEAN AND SHARP, AND SEALED WITH APPROVED JOINT COMPOUND.
4. ALL WELDED JOINTS SHALL BE MADE WITH A MINIMUM OF TWO COMPLETE PASSES.
5. PAINT BARE METAL WITH PRIMER AND TWO (2) COATS OF PAINT PER DISTRICT SPECIFICATIONS. (NO PRIMER ON BRASS OR BRONZE)
6. SERVICE CANNOT BE TURNED ON UNTIL BACKFLOW ASSEMBLY HAS BEEN TESTED BY A CERTIFIED BACKFLOW TESTER.

| ITEM | DESCRIPTION |
|------|--|
| ① | REDUCED PRESSURE BACKFLOW PREVENTION DEVICE PER A.W.W.A. C-511(LATEST) SERVICE LINE SIZED W/SCR. ENDS. THRU 2" DIA. WITH A.B.I.W.P. #150 P.S.I. M.W.P. W/GATE VALVES & TEST COCKS. |
| ② | FOR SERVICE LINE THROUGH 2" DIA. PVC COATED SERVICE LINE DIA. x REQ'D. LENGTH STD. WT. BRASS PIPE W/STD. WT. SCR. BRASS FITTINGS |
| ③ | 2 CU. FT. MIN. OF CLASS "C" (2000 PSI) CONCRETE THRUST AND SUPPORT BLOCK |
| ④ | PAINT EXTERIOR WITH PRIMER AND TWO (2) COATS OF PAINT PER DISTRICT SPECIFICATIONS. (NO PRIMER ON BRASS OR BRONZE) |

| | | |
|---|---|-------------|
| JURUPA COMMUNITY SERVICES DISTRICT | | |
| SCALE: NONE | REDUCED PRESSURE BACKFLOW DEVICE | DRAWING NO. |
| DATE: JANUARY 2026 | | H-2 |
| APPROVED BY: | APPROVED BY: | |
| Jesse Pompa, Dir. Of Eng. & Wtr Resources | Matthew Abel, Dir. Of Ops. | |

REV.

STANDARD DRAWING NO. H-3 DELETED

JURUPA COMMUNITY SERVICES DISTRICT

SCALE: NONE

DATE: JANUARY 2026

DOUBLE CHECK VALVE
ASSEMBLY

DRAWING NO.

H-3

REV.

APPROVED BY:



Jesse Pompa, Dir. Of Eng. & Wtr Resources

APPROVED BY:



Matthew Abel, Dir. Of Ops.

STANDARD DRAWING NO. H-4 DELETED

JURUPA COMMUNITY SERVICES DISTRICT

SCALE: NONE

DATE: JANUARY 2026


4", 6", 8" & 10" FIRE SERVICE
INSTALLATION (UN-METERED)

DRAWING NO.

H-4

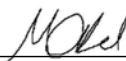
REV.

APPROVED BY:

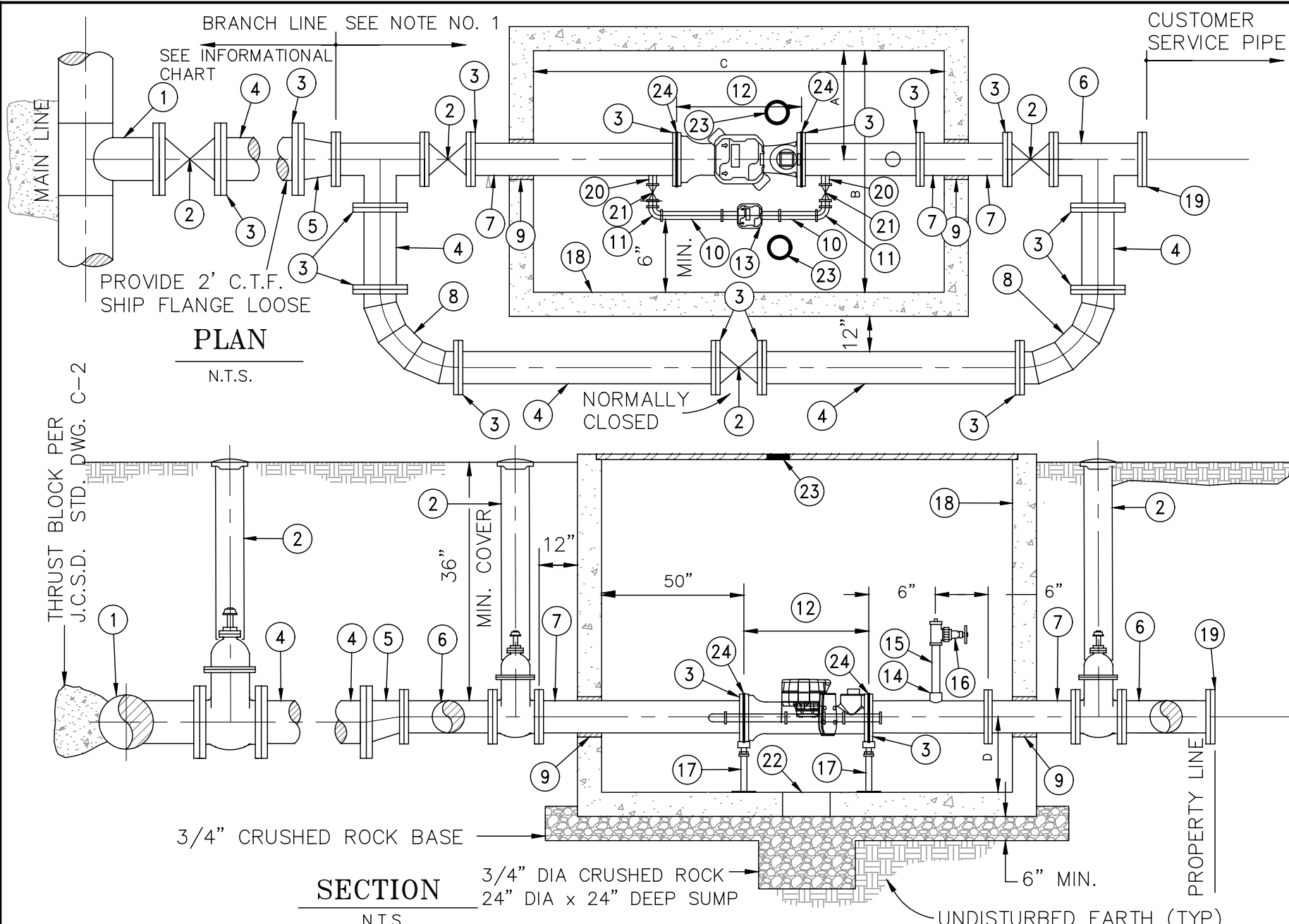


Jesse Pompa, Dir. Of Eng. & Wtr Resources

APPROVED BY:



Matthew Abel, Dir. Of Ops.



| ITEM | DESCRIPTION |
|------|---|
| ① | MAINLINE DIA. x BRANCH DIA. (A.W.W.A.) FLANGED OUTLET TEE. |
| ② | VALVE BOX & GATE VALVE INSTALLATION PER J.C.S.D. STD. DWG. NO. B-1 (USE 14" BFV PER J.C.S.D. STD. B-3 FOR 14" DIA. BRANCH LATERAL). |
| ③ | 150# SLIP ON FLANGE (TYPICAL). |
| ④ | CML/CMC W.S.P. (STD. WT. MIN.). |
| ⑤ | BRANCH x METER SIZE A.W.W.A. "FLAT TOP" FLANGED REDUCER. |
| ⑥ | CML/CMC A.W.W.A. FLANGED TEE. |
| ⑦ | STD. WT. STL. PIPE, CML/CMC. |
| ⑧ | CML/CMC A.W.W.A. FLANGED 90° BEND (CEMENT MORTAR LINED CAST IRON 90° BEND MAY BE SUBSTITUTED UPON APPROVAL BY DISTRICT). |
| ⑨ | KNOCKOUTS AS REQUIRED (2" LARGER THAN PIPE SIZE O.D. ALL AROUND) DRY PACK ALL AROUND PIPE. |
| ⑩ | 1" DIA. BRASS PIPE, FITTINGS, COUPLINGS |
| ⑪ | 1" DIA. BRASS 90° ELBOW |
| ⑫ | AMI ULTRASONIC BYPASS METER (FURNISHED BY DISTRICT AT DEVELOPER'S EXPENSE). |
| ⑬ | 1" AMI ULTRASONIC BYPASS METER (FURNISHED BY DISTRICT AT DEVELOPER'S EXPENSE). |
| ⑭ | 2 1/2", 3/16" THICK WALL, COUPLING WELDED TO TOP OF PIPE. |
| ⑮ | 2 1/2" DIA. x 12" LONG STD. BRASS THREADED NIPPLE. |
| ⑯ | 2 1/2" DIA. SCREWED FIRE PROTECTION GATE VALVE, IPT x NST, WITH HOSE CAP AND SAFETY CHAIN, ALL BRONZE, NRS, WITH MAL. IRON HAND WHEEL, 175 PSI MWWP; NIBCO MODEL NO. T-103-HC OR APPROVED EQUAL. |
| ⑰ | PIPE SUPPORT PER J.C.S.D. STD. DWG. NO. A-5. |
| ⑱ | PRE-CAST CONCRETE VAULT WITH 2 PIECE TORSION HINGED GALVANIZED OR ALUMINUM COVER W/6" X 6" METER READING LID. QUICKSET OR APPROVED EQUAL. COVER TO BE SPECIFIED FOR TRAFFIC LOADS WHERE REQUIRED. NOTE: DEPENDENT UPON SELECTED METER DIMENSIONS VAULT SIZE MAY NEED TO BE INCREASED TO MAINTAIN MINIMUM INTERNAL CLEARANCE DIMENSIONS SHOWN. |
| ⑲ | BLIND FLANGE |
| ⑳ | 1" DIA. STD. WT. STEEL COUPLING WELDED TO PIPE PER J.C.S.D. STD. DWG. D-6 |
| ㉑ | 1" DIA. BRASS BALL VALVE |
| ㉒ | 12" DIA. SUMP |

NOTES:


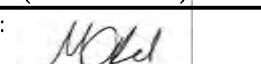
- DIAMETERS FOR PIPELINE AND APPURTENANCES SHALL BE EQUAL TO THE METER SIZE.
- THE FIRE SERVICE VAULT SHALL BE LOCATED AND INSTALLED SUBJECT TO APPROVAL OF THE DISTRICT. WHERE VAULT IS INSTALLED IN PARKWAY WITH CURB AND SIDEWALK, THE VAULT SHALL BE PLACED PARALLEL TO THE CURB LINE & PIPING.
- ADJUST VAULT AND COVER TO MEET SIDEWALK AND CURB GRADE.
- VALVE COVER, POST INDICATOR, AND ALL METAL INSIDE VAULT TO BE PAINTED WITH PRIMER AND TWO (2) COATS OF RED ACME PAINT, NO. 2-16012, OR APPROVED EQUAL. NO PRIMER ON BRASS OR BRONZE.
- ALL FIELD JOINTS SHALL BE FLANGED UNLESS OTHERWISE INDICATED. ALL WELDED JOINTS ON EPOXY LINED STD. WT. PIPE SHALL BE SHOP FABRICATED AND ALL EPOXY LINING SHALL BE SHOP APPLIED.
- PIPE THREADS SHALL BE CLEAN AND SHARP, AND SEALED WITH APPROVED JOINT COMPOUND.
- SHOULD THE DEPTH OF THE VAULT EXCEED FOUR (4) FEET, AN OSHA APPROVED LADDER ATTACHED TO AN INSIDE WALL SHALL BE PROVIDED. THE LOCATION OF THE LADDER SHALL BE AS DIRECTED BY THE DISTRICT.

| | |
|---|--|
| ⑲ | FLUSH FIT REMOTE METER READ INSTALLATION FOR METER ENDPOINT, NICOR VAULT KIT, 8" DIA. TOP AND BOTTOM PLATES WITH BOLTS, 8" DIA. HOLE IN LID. |
| ⑳ | VOLTACEPT TROJAN FLANGE ISOLATION GASKET KIT BY APS WITH NUTS, BOLTS, WASHERS, SLEEVES, AND G-10 CATHODIC WATER METER ISOLATION GASKET. |

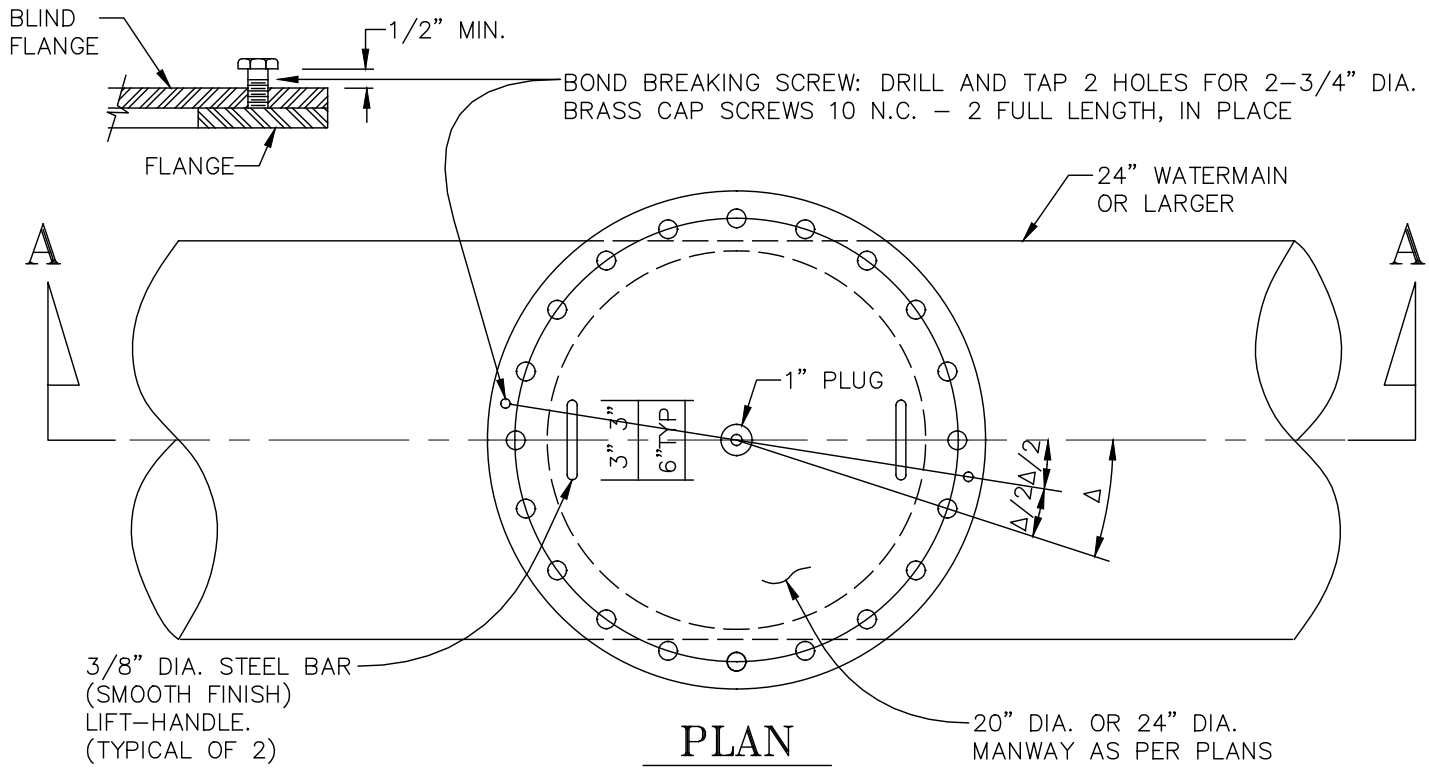
SPECIAL NOTE
WHERE REQUIRED BY DISTRICT: A BACKFLOW PREVENTER PER STD. H-2 SHALL BE INSTALLED.

| METER SIZE | DETECTOR SIZE | BRANCH SIZE | DIMENSIONS | | | | | | NORM. MAX. OPERATING FLOW CAPACITY (GPM) |
|------------|---------------|-------------|------------|-------|-------|-------|-------|-------|--|
| | | | A | B | C | D | E | F | |
| 3" | 4" | 4" | 3'-0" | 6'-0" | 8'-0" | 1'-6" | 2'-9" | 1'-3" | 500 |
| 4" | 6" | 6" | 3'-0" | 6'-0" | 8'-0" | 1'-6" | 2'-9" | 1'-3" | 1000 |
| 6" | 8" | 8" | 3'-0" | 6'-0" | 8'-0" | 1'-8" | 3'-9" | 1'-3" | 1700 |
| 8" | 10" | 12" | 3'-0" | 6'-0" | 8'-0" | 2'-0" | 4'-5" | 1'-4" | 2250 |

JURUPA COMMUNITY SERVICES DISTRICT

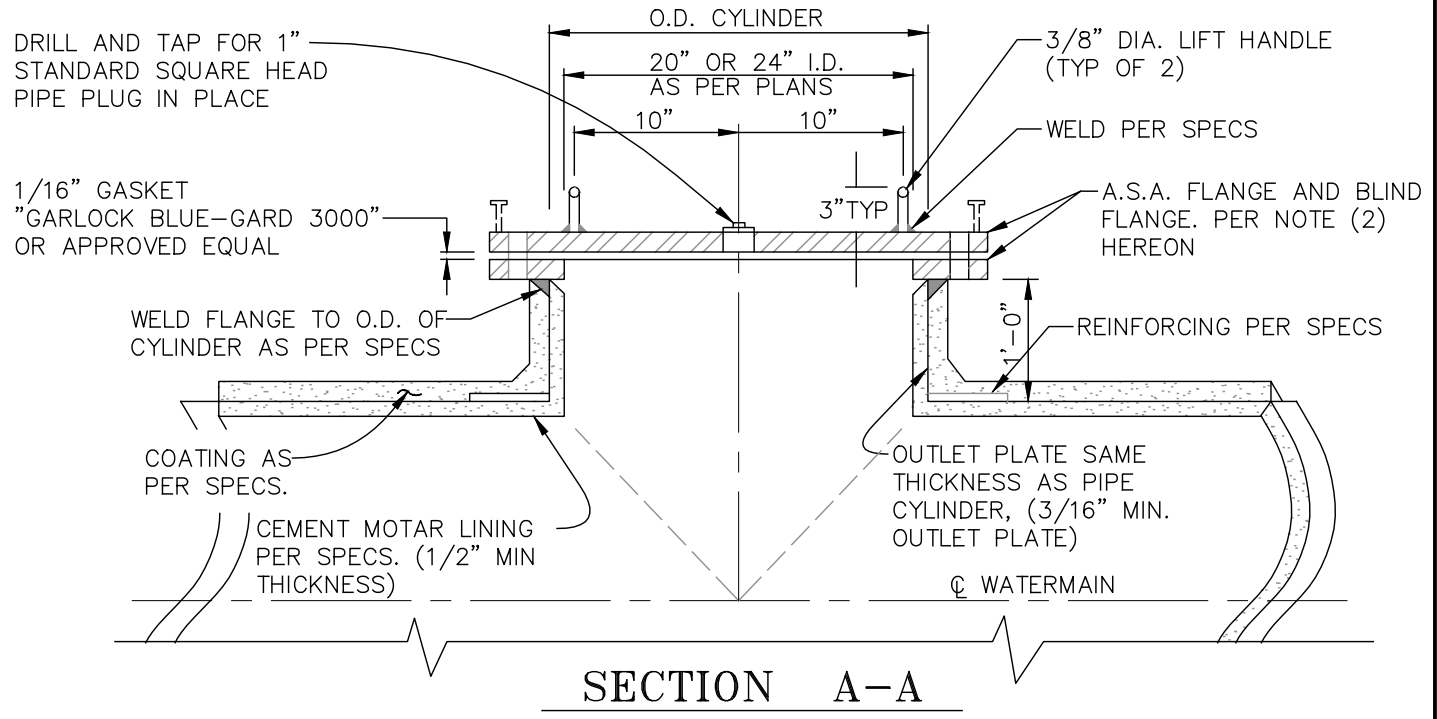
| | | |
|--|--|-------------|
| SCALE: NONE | 3", 4", 6", & 8" FIRE SERVICE INSTALLATION (METERED) | DRAWING NO. |
| DATE: JANUARY 2026 | | H-4A |
| APPROVED BY:  | APPROVED BY:  | |
| Jesse Pompa, Dir. Of Eng. & Wtr Resources | Matthew Abel, Dir. Of Ops. | |

REV.



NOTES:

1. PAINT ALL EXPOSED INTERIOR AND EXTERIOR METAL SURFACES OF FLANGES EXCEPT GASKET SURFACES WITH PRIMER.
2. FLANGE AND BLIND FLANGE, SHALL BE A.S.A. 150lb. F.S.S.O. F/F FLANGES.
3. LUBRICATE ALL BOLT THREADS WITH GRAPHITE.

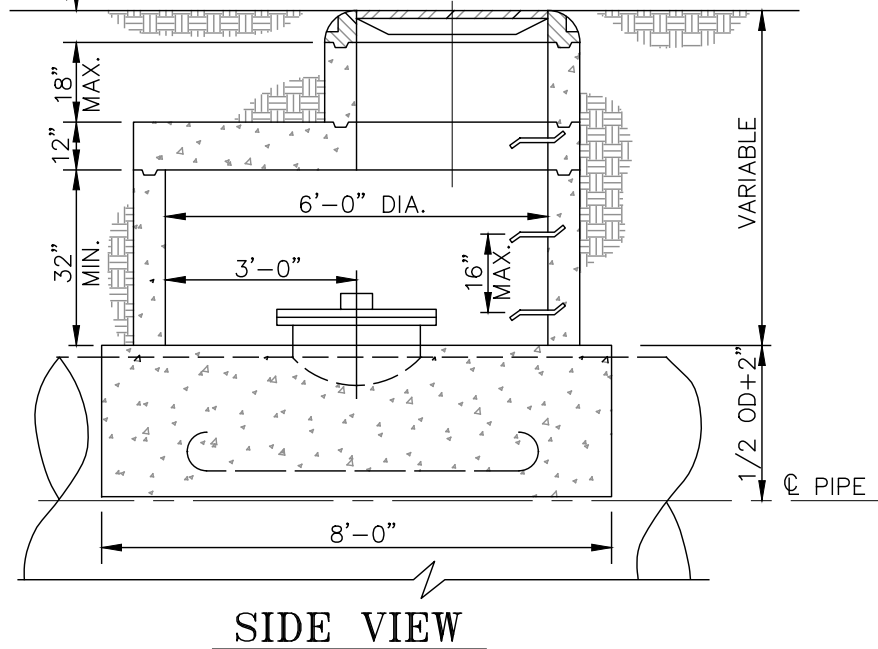
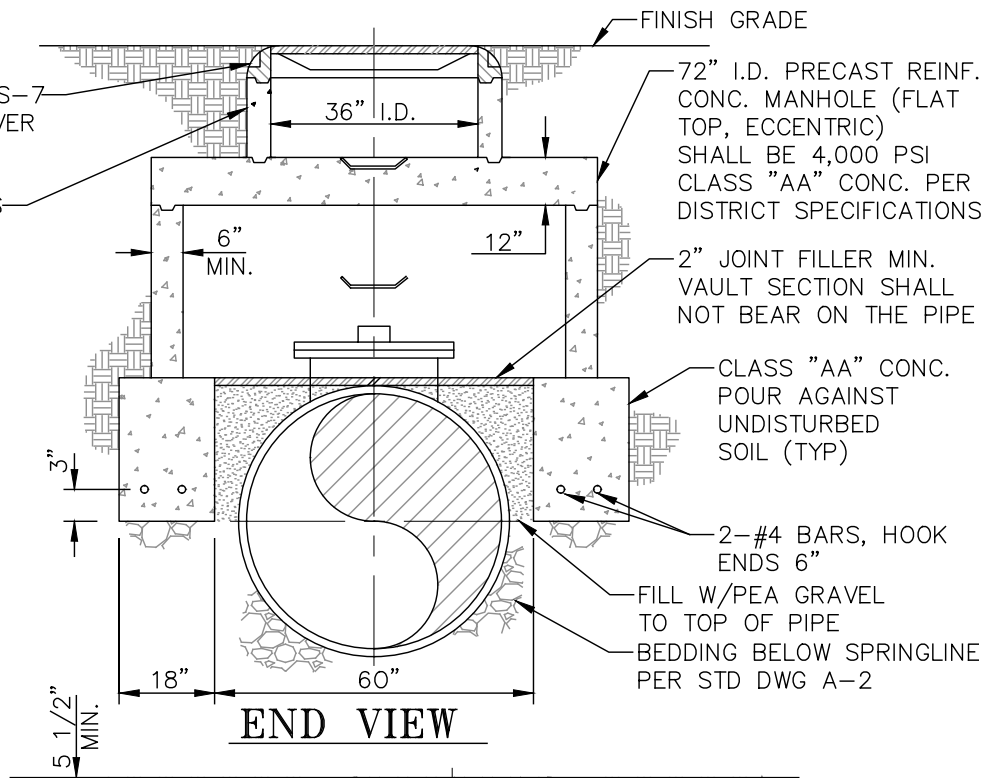


JURUPA COMMUNITY SERVICES DISTRICT

| | | |
|---|----------------------------|-------------|
| SCALE: NONE | MANWAY INSTALLATION | DRAWING NO. |
| DATE: JANUARY 2026 | 20" OR 24" DIA. | I-1 |
| APPROVED BY: | APPROVED BY: | |
| Jesse Pompa, Dir. Of Eng. & Wtr Resources | Matthew Abel, Dir. Of Ops. | |

REFER TO STD. NO. S-7
FOR FRAME AND COVER
SETTING CONDITIONS

GRADE RINGS



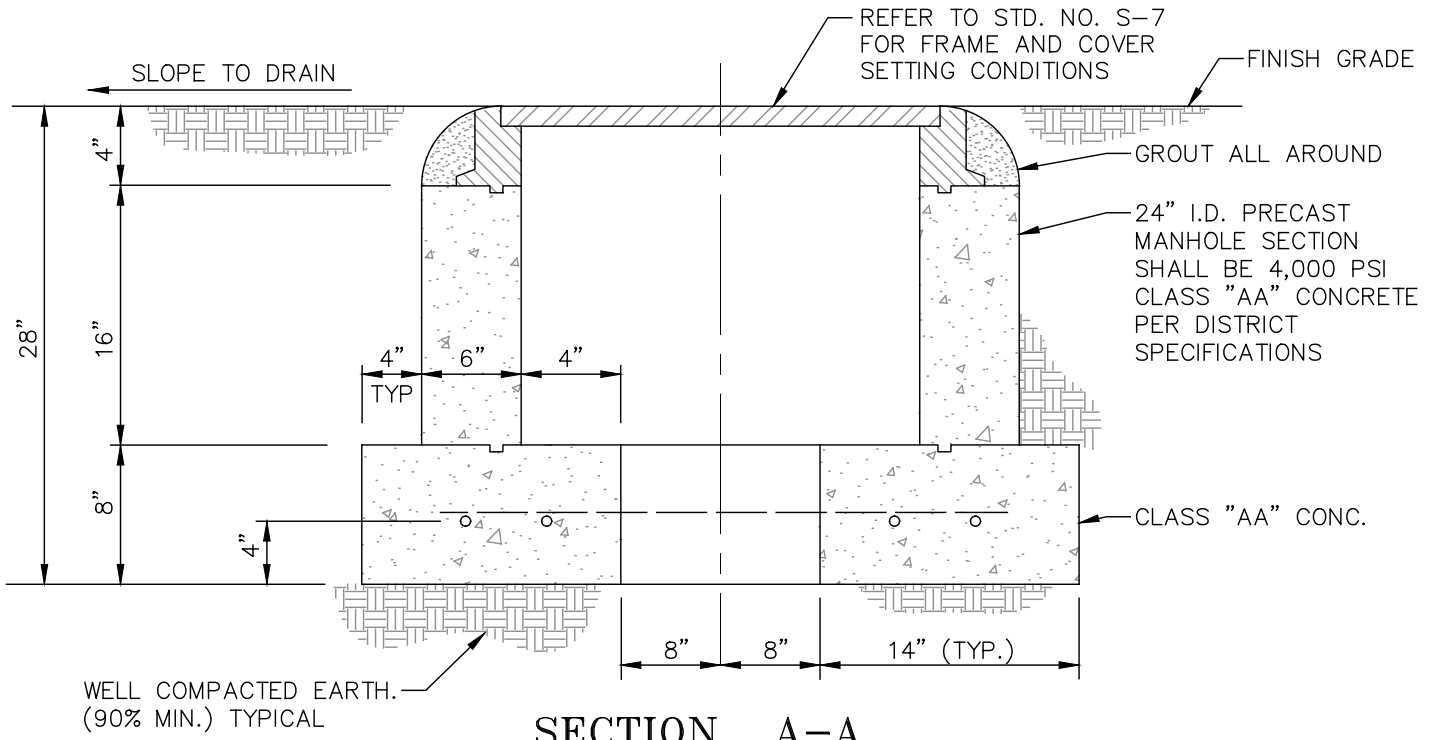
NOTES:

1. WHEN MANHOLE IS IN PAVED AREA, MANHOLE FRAME SHALL BE SET AFTER ADJACENT PAVEMENT HAS BEEN PLACED. TOP SHALL BE FLUSH WITH PAVEMENT.
2. ALL JOINTS SHALL BE SEALED WITH APPROVED JOINT SEALANT.
3. VAULT SHALL BE DESIGNED FOR H-20, S-16 LOADING.
4. SOUTHBAY FOUNDRY TRAFFIC MANHOLE FRAME AND COVER NO. SBF 1251 OR APPROVED EQUAL. WITH LETTERS J.C.S.D. CAST IN TOP OF COVER AND FRAME PAINTED WITH PRIMER AND TWO (2) COATS OF PAINT PER DISTRICT SPECIFICATIONS

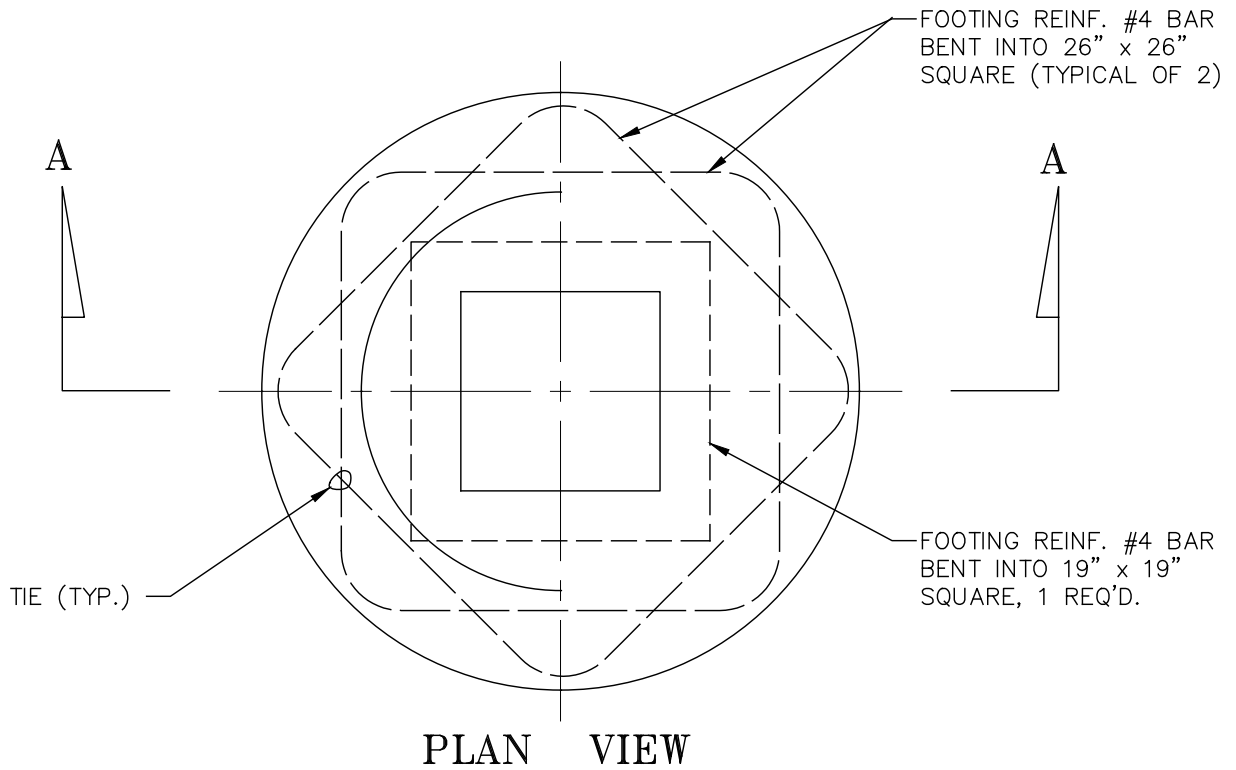
JURUPA COMMUNITY SERVICES DISTRICT

| | | | |
|--------------------|---|---------------------------------------|-------------|
| SCALE: NONE | | MANHOLE DETAIL FOR MANWAYS | DRAWING NO. |
| DATE: JANUARY 2026 | | | I-2 |
| REV. | APPROVED BY: | APPROVED BY: | |
| | Jesse Pompa, Dir. Of Eng. & Wtr Resources | Matthew Abel, Dir. Of Ops. | |

SOUTHBAY FOUNDRY TRAFFIC MANHOLE FRAME AND COVER NO. SBF 1254 OR APPROVED EQUAL, WITH LETTERS J.C.S.D., W/TOP OF COVER AND FRAME PAINTED WITH PRIMER AND TWO (2) COATS OF PAINT PER DISTRICT SPECIFICATIONS. REFER TO STD NO S-7 FOR FRAME & COVER SETTING CONDITIONS.



SECTION A-A



PLAN VIEW

JURUPA COMMUNITY SERVICES DISTRICT

SCALE: NONE

DATE: JANUARY 2026

**TYPICAL BLOW OFF MANHOLE
DETAIL**

DRAWING NO.

I-3

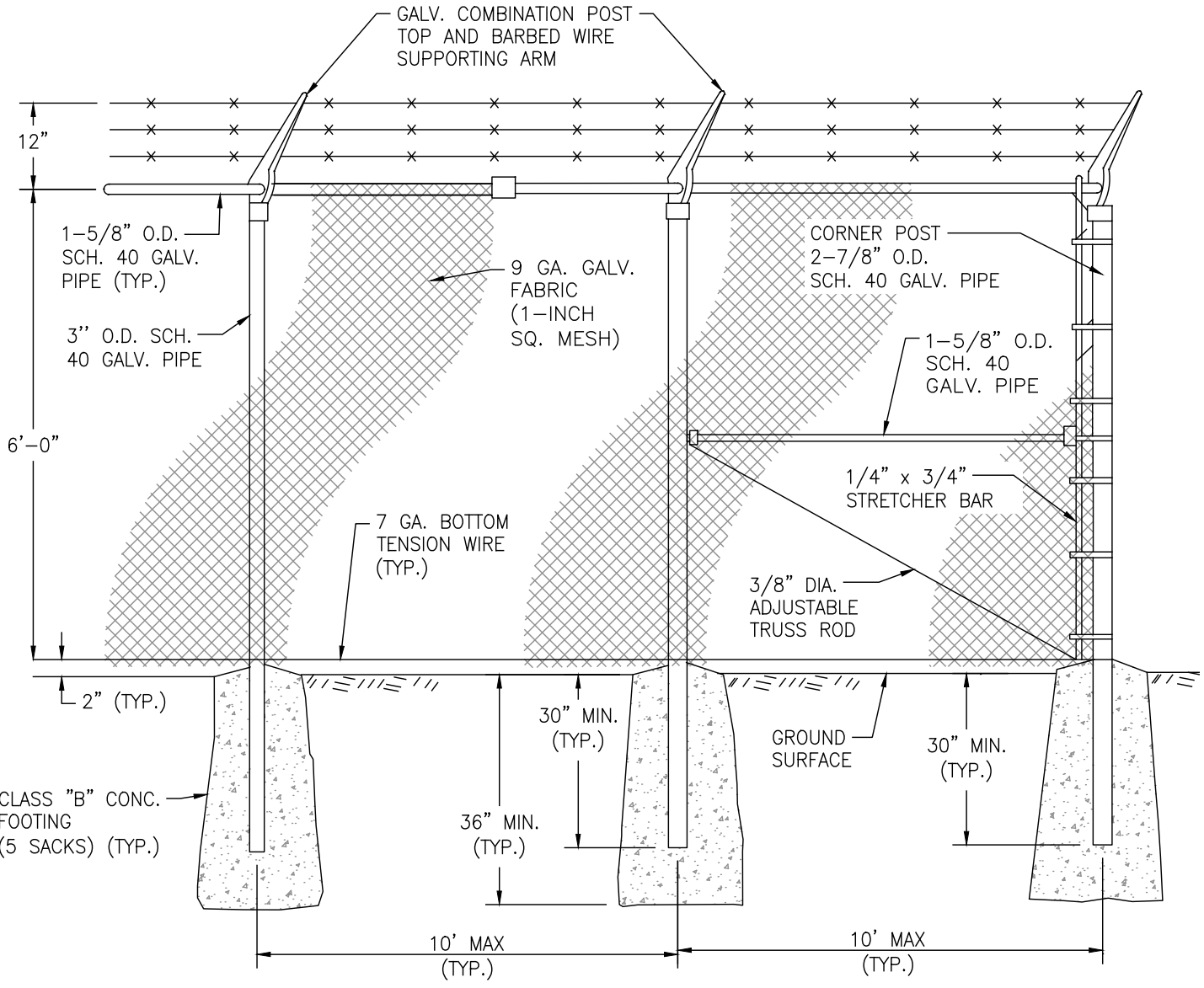
REV.

APPROVED BY:

Jesse Pompa, Dir. Of Eng. & Wtr Resources

APPROVED BY:

Matthew Abel, Dir. Of Ops.



NOTES:

1. DIAMETER OF CONC. FOOTING SHALL BE 3 TIMES O.D. OF POST; 12" MINIMUM.
2. INSTALLATION SHALL BE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND SHALL BE APPROVED BY THE DISTRICT.

JURUPA COMMUNITY SERVICES DISTRICT

SCALE: NONE

DATE: JANUARY 2026

CHAIN LINK FENCE DETAIL

DRAWING NO.

J-1

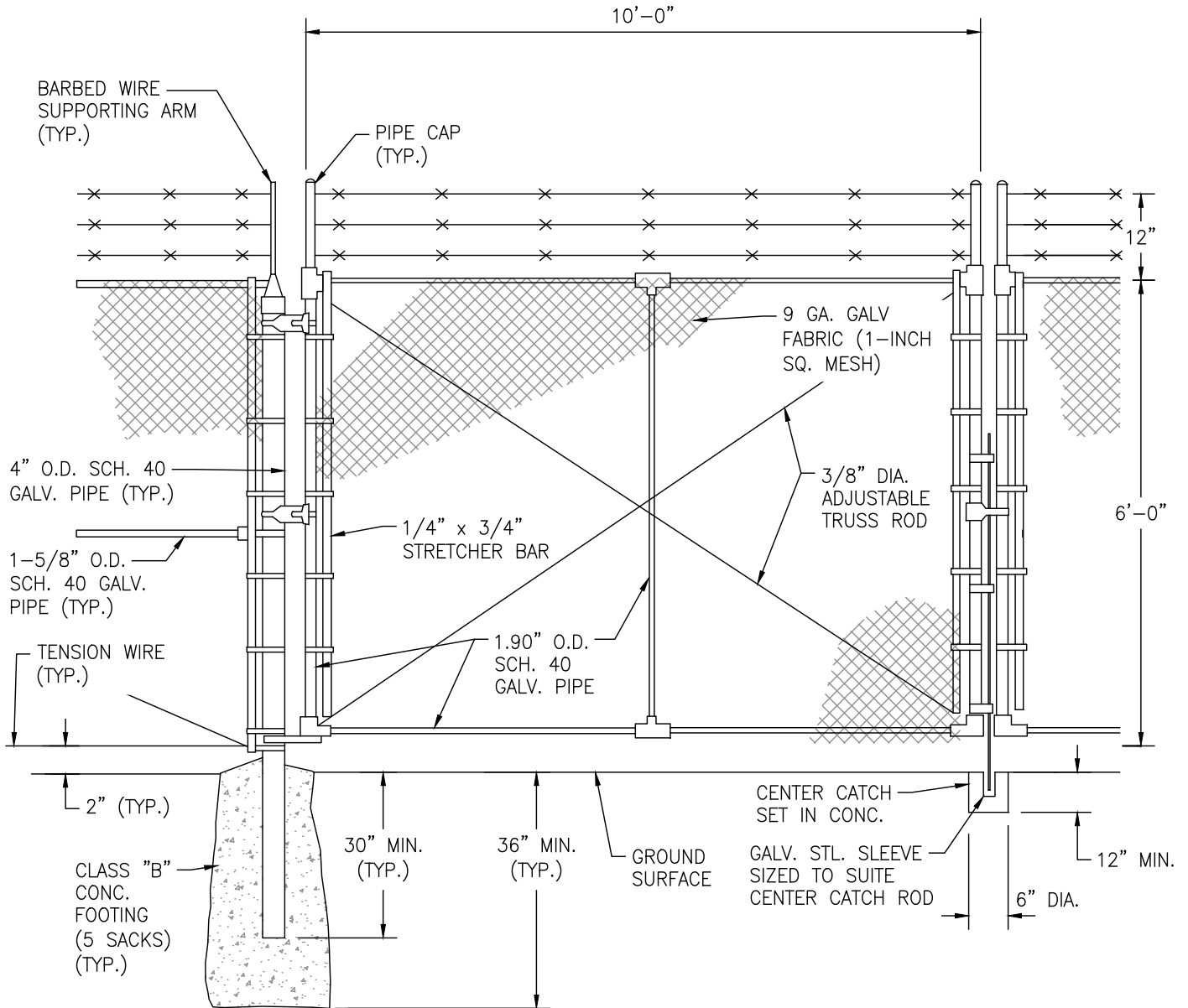
APPROVED BY:

Jesse Pompa, Dir. Of Eng. & Wtr Resources

APPROVED BY:

Matthew Abel, Dir. Of Ops.

REV.



JURUPA COMMUNITY SERVICES DISTRICT

SCALE: NONE

DATE: JANUARY 2026

CHAIN LINK FENCE GATE DETAIL

DRAWING NO.

J-2

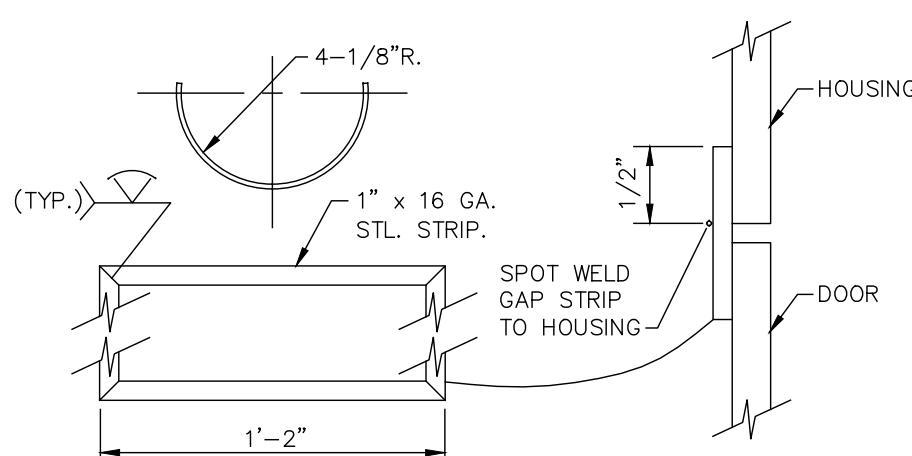
REV.

APPROVED BY:

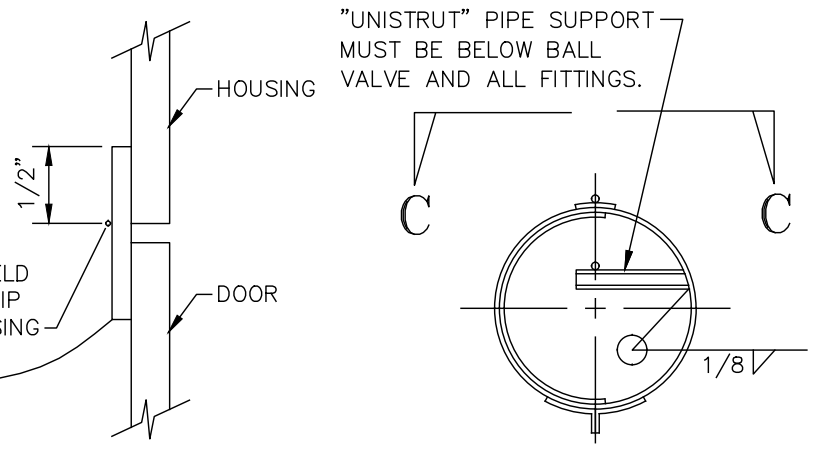
Jesse Pompa, Dir. Of Eng. & Wtr Resources

APPROVED BY:

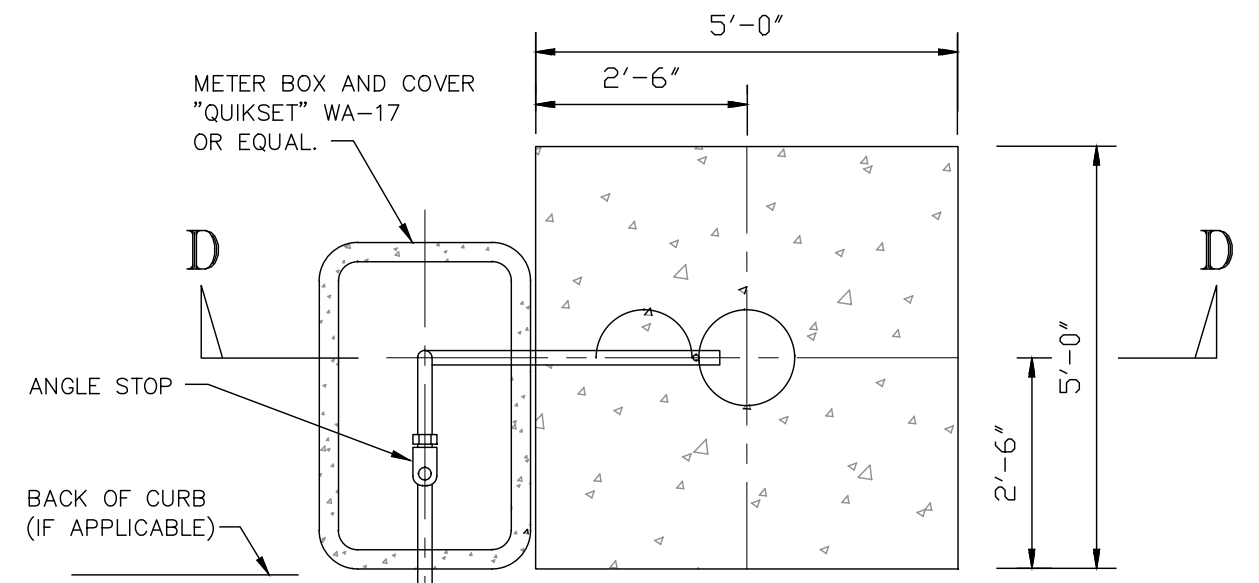
Matthew Abel, Dir. Of Ops.



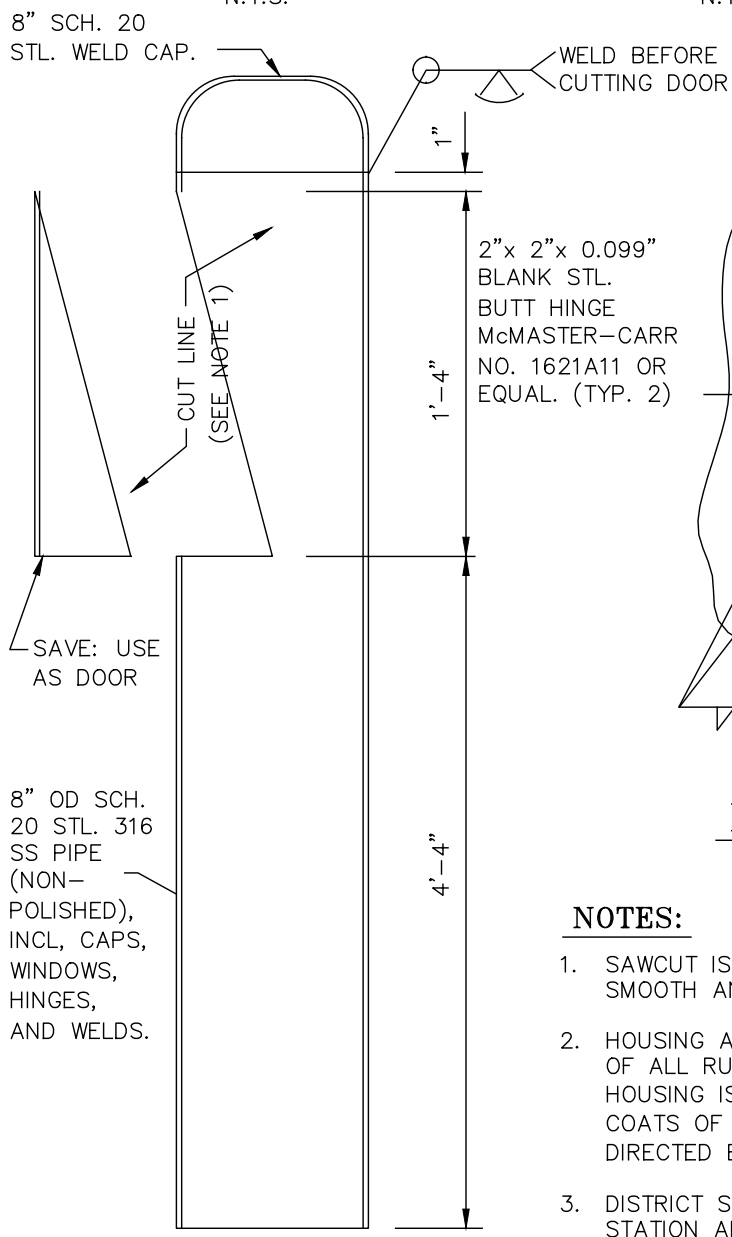
DETAIL: GAP STRIP
N.T.S.



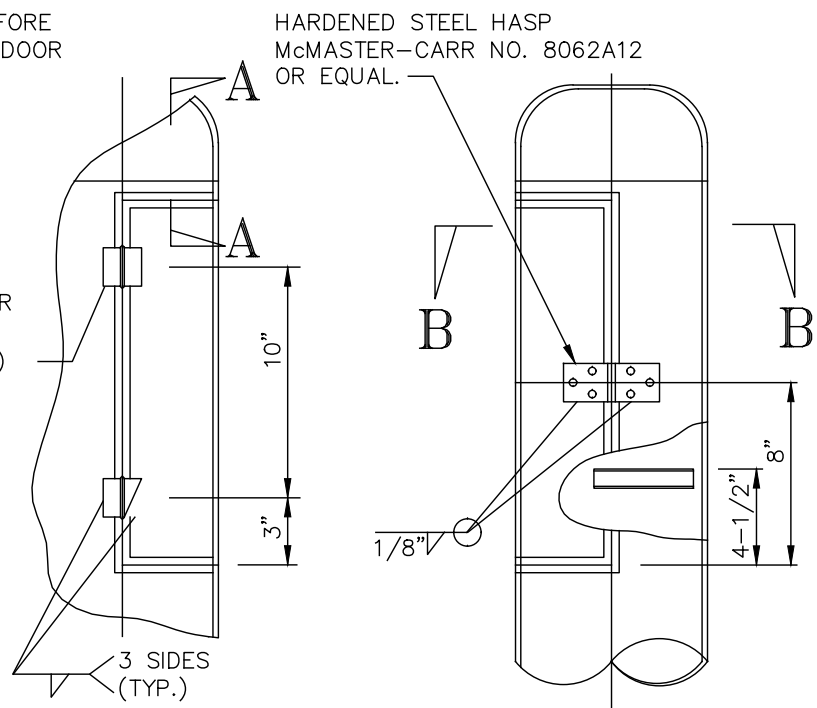
SECT. A-A N.T.S.
SECT. B-B N.T.S.



PLAN
N.T.S.



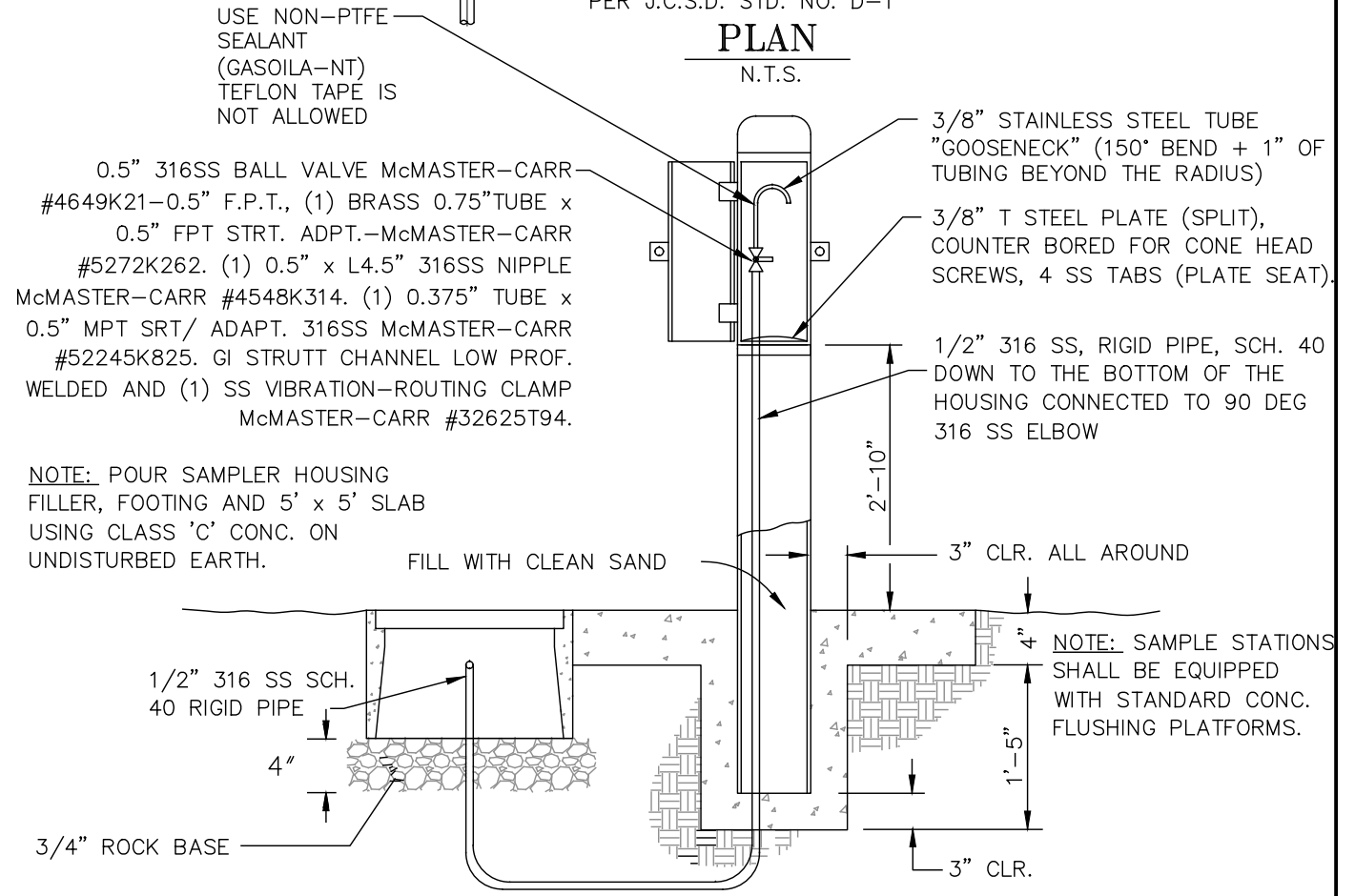
HOUSING LAYOUT
N.T.S.



ELEV. C-C N.T.S.
DOOR ASSEMBLY N.T.S.

- NOTES:**
1. SAWCUT IS PREFERRED FOR DOOR OPENING, GRIND CUT SMOOTH AND BREAK ALL SHARP EDGES.
 2. HOUSING ASSEMBLY TO BE SANDBLASTED CLEAR AND FREE OF ALL RUST, SCALE AND WELD SPATTER ON ALL SURFACES. HOUSING IS THEN TO BE PAINTED WITH PRIMER AND TWO (2) COATS OF XOP25 LIGHT BLUE PAINT, (COLOR TO BE AS DIRECTED BY DISTRICT.)
 3. DISTRICT SHALL DETERMINE EXACT LOCATION OF SAMPLING STATION AND GUARD POSTS WHERE REQUIRED.

FABRICATION DETAILS
N.T.S.

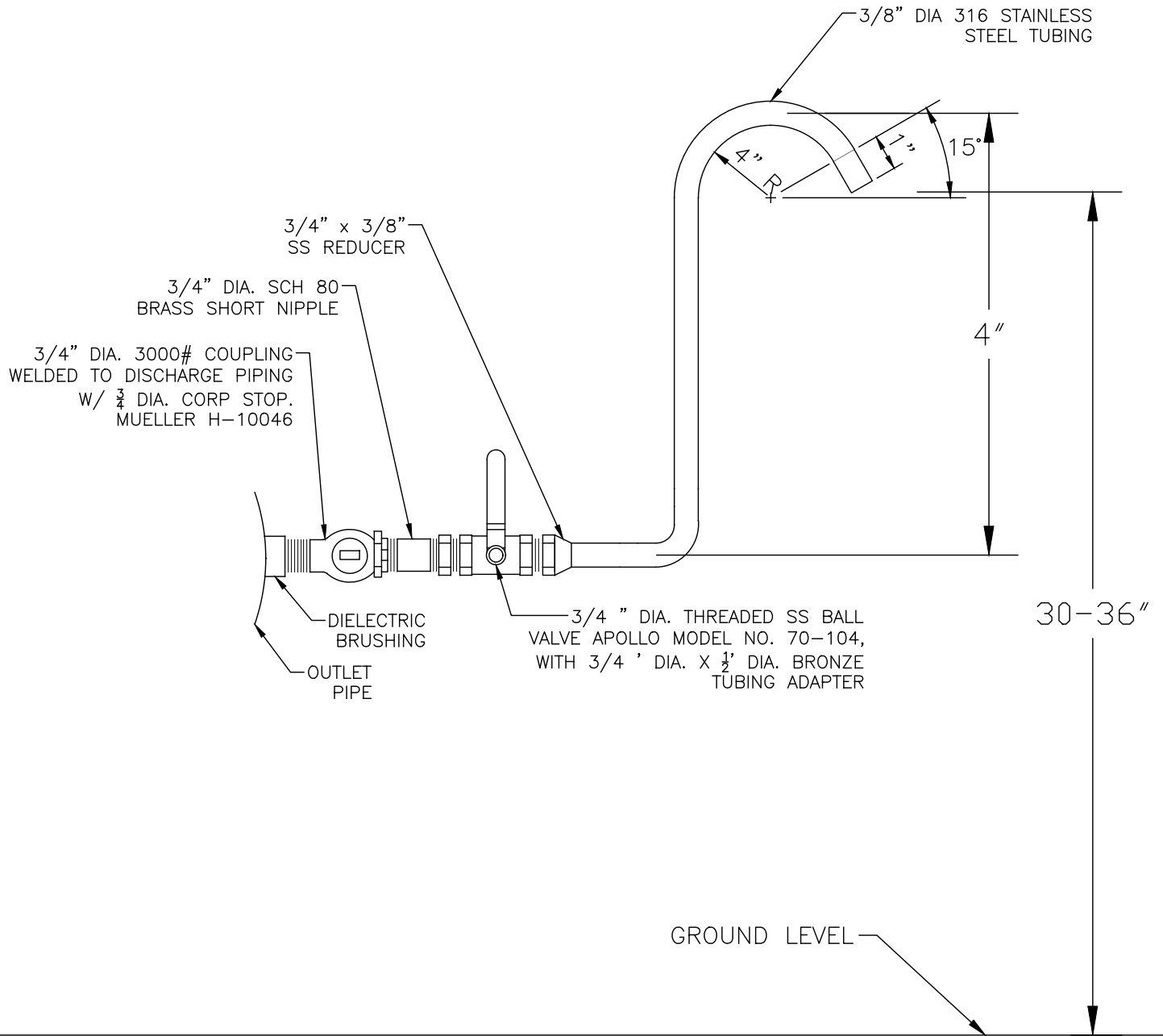


SECTION D-D N.T.S.

JURUPA COMMUNITY SERVICES DISTRICT

| | | |
|---|--|-------------|
| SCALE: NONE | WATER SAMPLING STATION CONSTRUCTION DETAILS | DRAWING NO. |
| DATE: JANUARY 2026 | | K-1 |
| APPROVED BY: <i>Jesse Pompa</i> | APPROVED BY: <i>Matthew Abel</i> | |
| Jesse Pompa, Dir. Of Eng. & Wtr Resources | Matthew Abel, Dir. Of Ops. | |

REV.



JURUPA COMMUNITY SERVICES DISTRICT

SCALE: NONE

DATE: JANUARY 2026

WATER RESERVOIR SAMPLING PORT DETAIL

DRAWING NO.

K-2

REV.

APPROVED BY:

Jesse Pompa, Dir. Of Eng. & Wtr Resources

APPROVED BY:

Matthew Abel, Dir. Of Ops.

NOTES:

1. TEST STATIONS TO BE INSTALLED AT LOCATIONS SHOWN ON JOB DRAWINGS.
2. BOX TO BE FIELD LOCATED PER DISTRICT.

LOCATE GUARD POST PER J.C.S.D. STD. NO. A-4 ADJACENT TO TEST BOX AND LABEL C.T.S.

CONCRETE METER BOX W/C-1 FRAME AND HINGED LOCKING COVER MARKED "J.C.S.D. C.P. TEST" (BROOKS NO. 36-H.F.L. OR APPR. EQ.) PROVIDE 9" EXTENSION

LEAVE SUFFICIENT SLACK TO RAISE WIRES 18" ABOVE GRADE

LONG SWEEPS ELECTRICAL STD. 90

24" MIN.

2" PVC CONDUIT SCH. 40 ENTIRE RUN

SECURE WIRE ENDS TO PIPE (SEE STD. DWG. K-4)

HAND BACKFILL IN AREA OF WIRE

- (1) #6 AWG TYPE THWN WIRE (BLACK)
- (1) #12 AWG TYPE THWN WIRE (RED)

- (1) #10 AWG TYPE THWN WIRE (GREEN) ENCASED IN CSE BAG

LOCATE COPPER-COPPER SULFATE REFERENCE ELECTRODE (CSE) AT CROSSING BETWEEN PROPOSED WATERLINES & EXISTING PIPELINES WHERE INDICATED ON THE DRAWINGS. ELECTRODES TO BE LOCATED NO FURTHER THAN 12" FROM WATERLINE IN A VERTICAL DIRECTION. ELECTRODE MODEL NO. IHRP #802 OR STELTH 2 CU-CU S04, PART NO. SRE-007-CUY AS MANUFACTURED BY BORIN MANUFACTURING, INC.

STEEL CYLINDER PIPE

JURUPA COMMUNITY SERVICES DISTRICT

SCALE: NONE

DATE: JANUARY 2026

CATHODIC PROTECTION TEST STATION STEEL CYLINDER PIPE

DRAWING NO.

K-3

REV.

APPROVED BY:

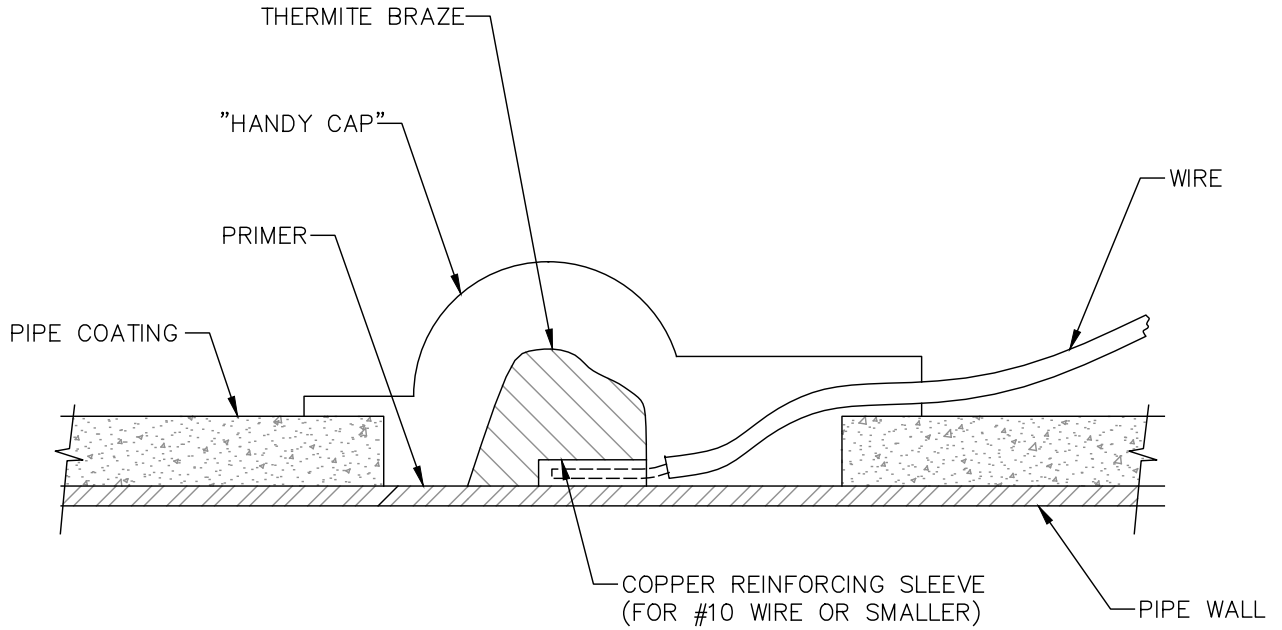


Jesse Pompa, Dir. Of Eng. & Wtr Resources

APPROVED BY:



Matthew Abel, Dir. Of Ops.



THERMITE BRAZE

NOTES:

1. CLEAN PIPE TO BRIGHT METAL.
2. THERMITE BRAZE TO BE CADWELL BY ERICO PRODUCTS OR EQUAL.
3. USE PROPER BRAZE ALLOY FOR STEEL.
4. TEST BRAZE BY PULLING ON WIRE AND STRIKING BRAZE.
5. COAT BRAZE WITH ROYSTON PRIMER AND "HANDY CAP".

SPECIAL NOTE:

THERMITE BRAZE KIT SUPPLIED BY FARWEST CORROSION CONTROL
GARDENA, CA. (214) 770-6425.

JURUPA COMMUNITY SERVICES DISTRICT

SCALE: NONE

DATE: JANUARY 2026

THERMITE BRAZE DETAIL

DRAWING NO.

K-4

REV.

APPROVED BY:

Jesse Pompa, Dir. Of Eng. & Wtr Resources

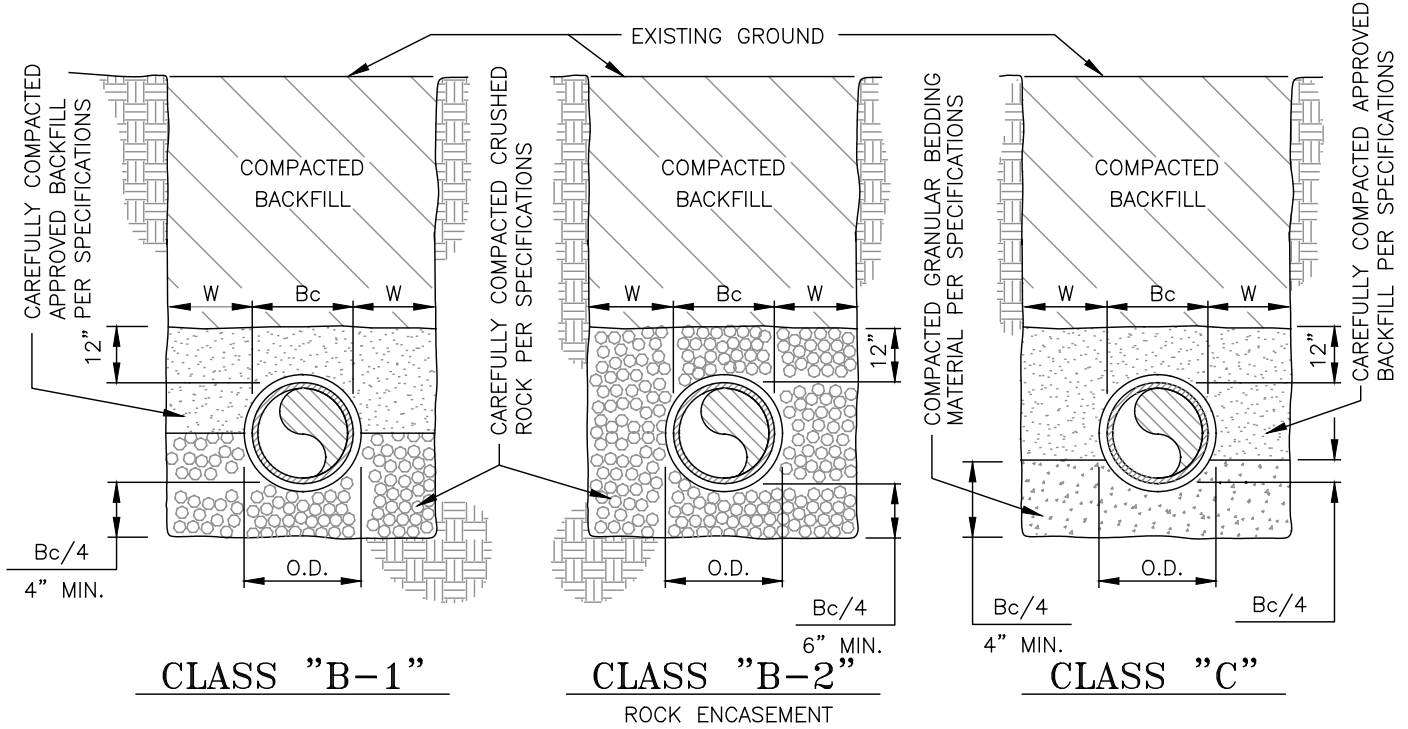
APPROVED BY:

Matthew Abel, Dir. Of Ops.

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B. SEWER SYSTEM STANDARD DRAWINGS

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NOTES:

1. ALL BACKFILL SHALL BE PLACED IN ACCORDANCE WITH THE SPECIFICATIONS.
2. O.D. = OUTSIDE DIAMETER OF BELL.
3. Bc = OUTSIDE DIAMETER OF PIPE BARREL.
4. W = 10 INCHES MAXIMUM.
5. MIN. CLASS "A" CONCRETE SHALL BE ALLOWED TO DEVELOP SUFFICIENT STRENGTH BEFORE BACKFILLING.
6. WHEN GROUND WATER ENCOUNTERED, ENCASE THE ROCK BEDDING IN FILTER FABRIC.

JURUPA COMMUNITY SERVICES DISTRICT

SCALE: NONE

DATE: JANUARY 2026

GENERAL BEDDING DETAILS

DRAWING NO.

S-1

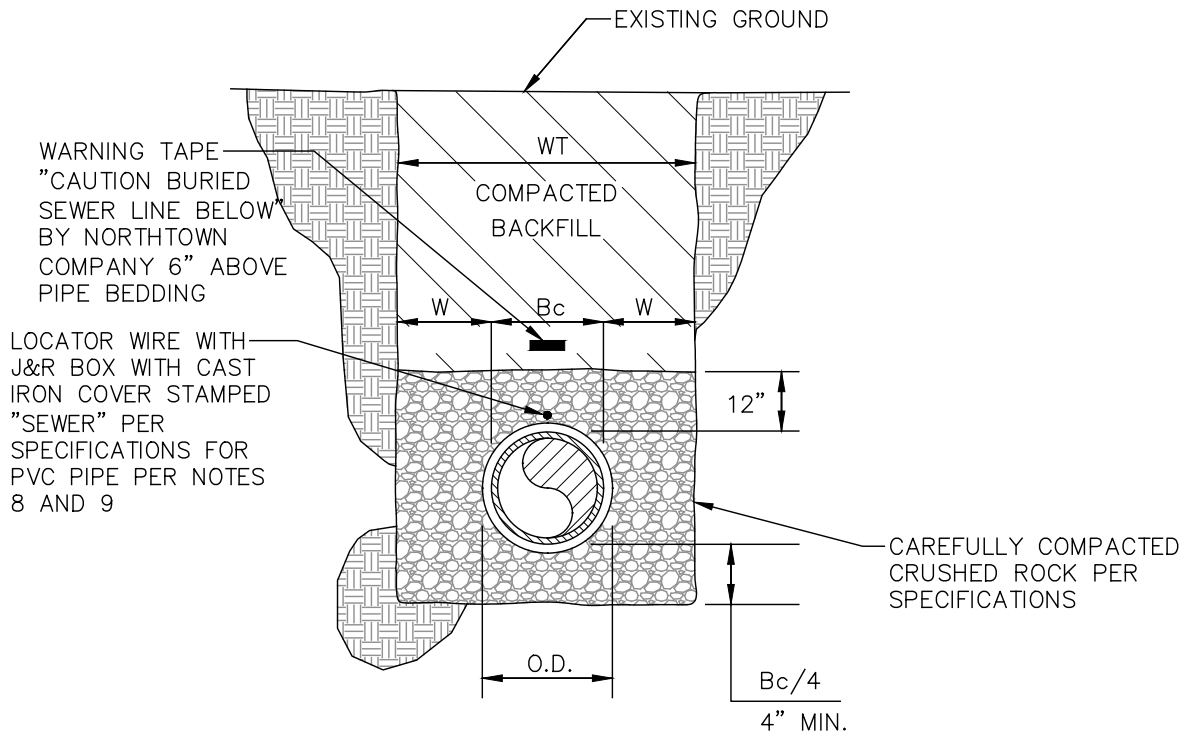
REV.

APPROVED BY:

Jesse Pompa, Dir. Of Eng. & Wtr Resources

APPROVED BY:

Matthew Abel, Dir. Of Ops.



CLASS "I"

DEPTH > 14 FEET
PVC SDR 26 ONLY

NOTES:

1. ALL BACKFILL SHALL BE PLACED IN ACCORDANCE WITH THE SPECIFICATIONS.
2. O.D. = OUTSIDE DIAMETER OF BELL.
3. B_c = OUTSIDE DIAMETER OF PIPE BARREL.
4. WT = TRENCH WIDTH MEASURED AT TOP OF PIPE.
5. W = 10" MAXIMUM.
6. FOR PIPES DEEPER THAN 8', LOCATOR WIRE SHALL BE INSTALLED ABOVE THE PIPE, AT AN 8' MAXIMUM DEPTH.
7. ENCASE CRUSHED ROCK WITH DISTRICT APPROVED FILTER FABRIC WHEN ENCOUNTERING GROUNDWATER.
8. LOCATOR WIRE AND J&R BOX IS REQUIRED WHEN SEWER GRAVITY PIPE IS INSTALLED WITHIN THE FOLLOWING LOCATIONS:
 - A. UNIMPROVED AND CROSS-COUNTRY
 - B. DISTRICT EASEMENTS
 - C. ALL CURVED PIPELINE ALIGNMENTS (PAVED OR UNIMPROVED)
9. PLACEMENT OF J&R BOX SHALL BE PER THE FOLLOWING CRITERIA:
 - A. ADJACENT TO THE MANHOLE OFF THE STREET
 - B. WHERE SIDEWALK IS DIRECTLY BEHIND CURB, LOCATE BOX WITHIN THE SIDEWALK
 - C. WHERE PARKWAY BETWEEN CURB AND SIDEWALK, LOCATED BOX IN THE PARKWAY WITH 6" THICK BY 6" DEEP CONCRETE PAD AROUND BOX
 - D. IN UNIMPROVED, CROSS-COUNTRY, AND EASEMENT LOCATIONS, LOCATE ALONG THE BOUNDARY OF THE EASEMENT WITH 6" THICK BY 6" DEEP CONCRETE PAD AROUND BOX
 - E. THE BOX SHALL BE PLACED A MAXIMUM OF 350' SPACING IF DISTANCES BETWEEN MANHOLES ARE GREATER THAN 350'

JURUPA COMMUNITY SERVICES DISTRICT

SCALE: NONE

DATE: JANUARY 2026

**GENERAL BEDDING DETAILS
FLEXIBLE GRAVITY PIPE**

DRAWING NO.

S-2

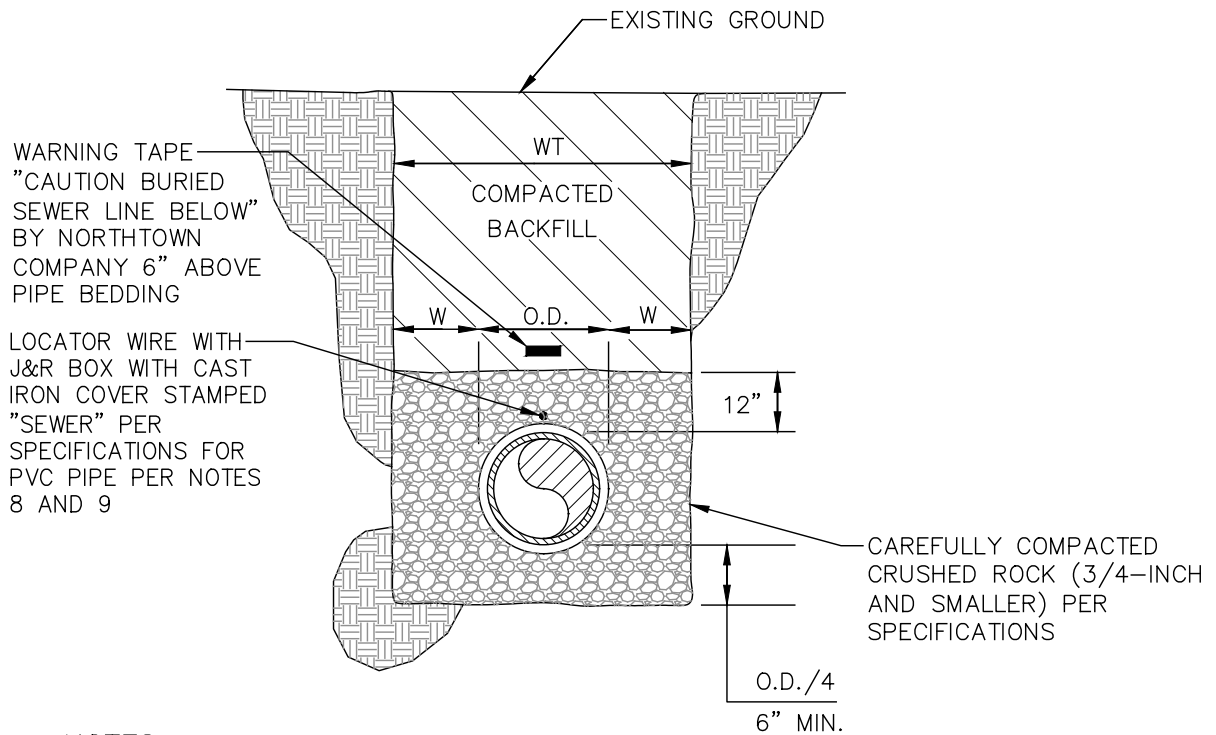
REV.

APPROVED BY:

Jesse Pompa, Dir. Of Eng. & Wtr Resources

APPROVED BY:

Matthew Abel, Dir. Of Ops.



NOTES:

1. ALL BACKFILL SHALL BE PLACED IN ACCORDANCE WITH THE SPECIFICATIONS.
2. O.D. = OUTSIDE DIAMETER OF PIPE.
3. HDPE PIPE SHALL BE MINIMUM OF DR-11.
4. WT = TRENCH WIDTH MEASURED AT TOP OF PIPE.
5. W = 6" MAXIMUM.
6. FOR PIPES DEEPER THAN 8', LOCATOR WIRE SHALL BE INSTALLED ABOVE THE PIPE, AT AN 8' MAXIMUM DEPTH.
7. ENCASE CRUSHED ROCK WITH DISTRICT APPROVED FILTER FABRIC WHEN ENCOUNTERING GROUNDWATER.
8. LOCATOR WIRE AND J&R BOX IS REQUIRED WHEN SEWER GRAVITY PIPE IS INSTALLED WITHIN THE FOLLOWING LOCATIONS:
 - A. UNIMPROVED AND CROSS-COUNTRY
 - B. DISTRICT EASEMENTS
 - C. ALL CURVED PIPELINE ALIGNMENTS (PAVED OR UNIMPROVED)
9. PLACEMENT OF J&R BOX SHALL BE PER THE FOLLOWING CRITERIA:
 - A. ADJACENT TO THE MANHOLE OFF THE STREET
 - B. WHERE SIDEWALK IS DIRECTLY BEHIND CURB, LOCATE BOX WITHIN THE SIDEWALK
 - C. WHERE PARKWAY BETWEEN CURB AND SIDEWALK, LOCATED BOX IN THE PARKWAY WITH 6" THICK BY 6" DEEP CONCRETE PAD AROUND BOX
 - D. IN UNIMPROVED, CROSS-COUNTRY, AND EASEMENT LOCATIONS, LOCATE ALONG THE BOUNDARY OF THE EASEMENT WITH 6" THICK BY 6" DEEP CONCRETE PAD AROUND BOX
 - E. THE BOX SHALL BE PLACED A MAXIMUM OF 350' SPACING IF DISTANCES BETWEEN MANHOLES ARE GREATER THAN 350'

JURUPA COMMUNITY SERVICES DISTRICT

SCALE: NONE

DATE: JANUARY 2026

GENERAL BEDDING DETAIL HDPE GRAVITY PIPE

DRAWING NO.

S-2A

REV.

APPROVED BY:

Jesse Pompa, Dir. Of Eng. & Wtr Resources

APPROVED BY:

Matthew Abel, Dir. Of Ops.

STANDARD DRAWING NO. S-3 DELETED

JURUPA COMMUNITY SERVICES DISTRICT

SCALE: NONE

DATE: JANUARY 2026

SPECIAL CRUSHED ROCK BEDDING

DRAWING NO.

S-3

REV.

APPROVED BY:



Jesse Pompa, Dir. Of Eng. & Wtr Resources

APPROVED BY:



Matthew Abel, Dir. Of Ops.

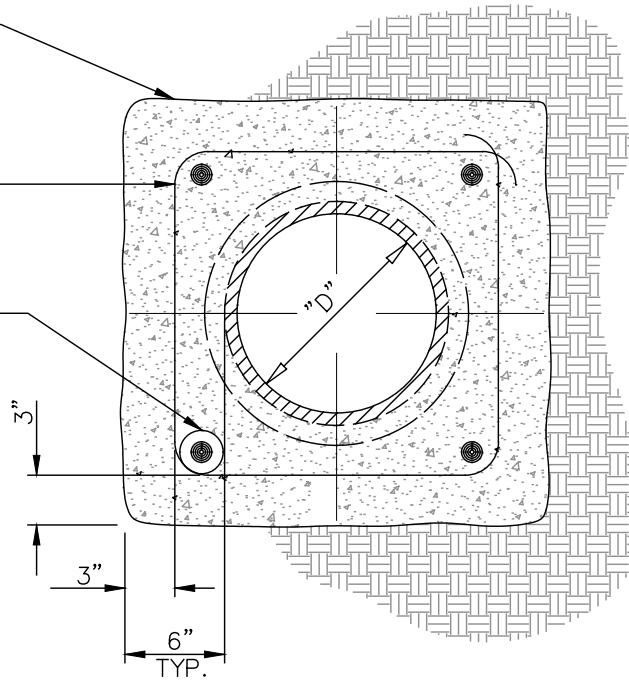
CLASS "AA" CONCRETE
(4000 PSI) GREEN IN
COLOR

NO. 4 TIE BAR
24" O.C. MAX.

NO. 4 BAR LONGITUDINAL
(TYP. OF 4)*

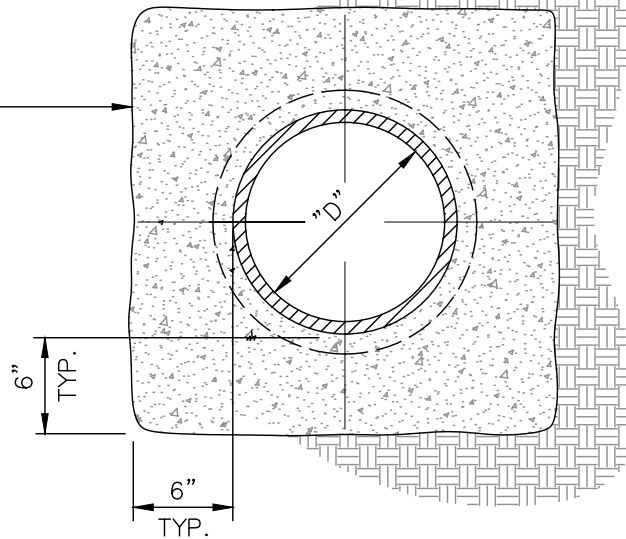
*** NOTE:**

USE (8) NO. 4 LONGITUDINAL
BARS EQUALLY SPACED FOR
PIPES LARGER THAN 15" DIA.



REINFORCED CONCRETE ENCASEMENT

CLASS "A" CONCRETE
(3000 PSI) GREEN
IN COLOR



CLASS "A" CONCRETE ENCASEMENT

NOTES:

1. ALL REBARS SHALL BE FABRICATED AND PLACED IN POSITION PER A.C.I. SPECIFICATIONS.
2. PROVIDE FLEXIBLE JOINTS AT EACH END OF CONCRETE ENCASEMENT, WITHIN 12" FROM EACH END.
3. EXPANSION JOINTS SHALL BE CONSTRUCTED AT EVERY 50'± INTERVAL FOR THE CONCRETE ENCASEMENT: EACH JOINT SHALL COINCIDE WITH THE BELL AND SPIGOT JOINT OF THE PIPE.
4. CONTRACTOR SHALL TAKE ANY PRECAUTIONARY MEASURES NECESSARY TO PREVENT PIPE FROM FLOTATION.
5. PLACE GREEN DYE ON TOP OF CONCRETE.

JURUPA COMMUNITY SERVICES DISTRICT

SCALE: NONE

DATE: JANUARY 2026

**TYPICAL SEWER CONCRETE
ENCASEMENT DETAIL**

DRAWING NO.

S-4

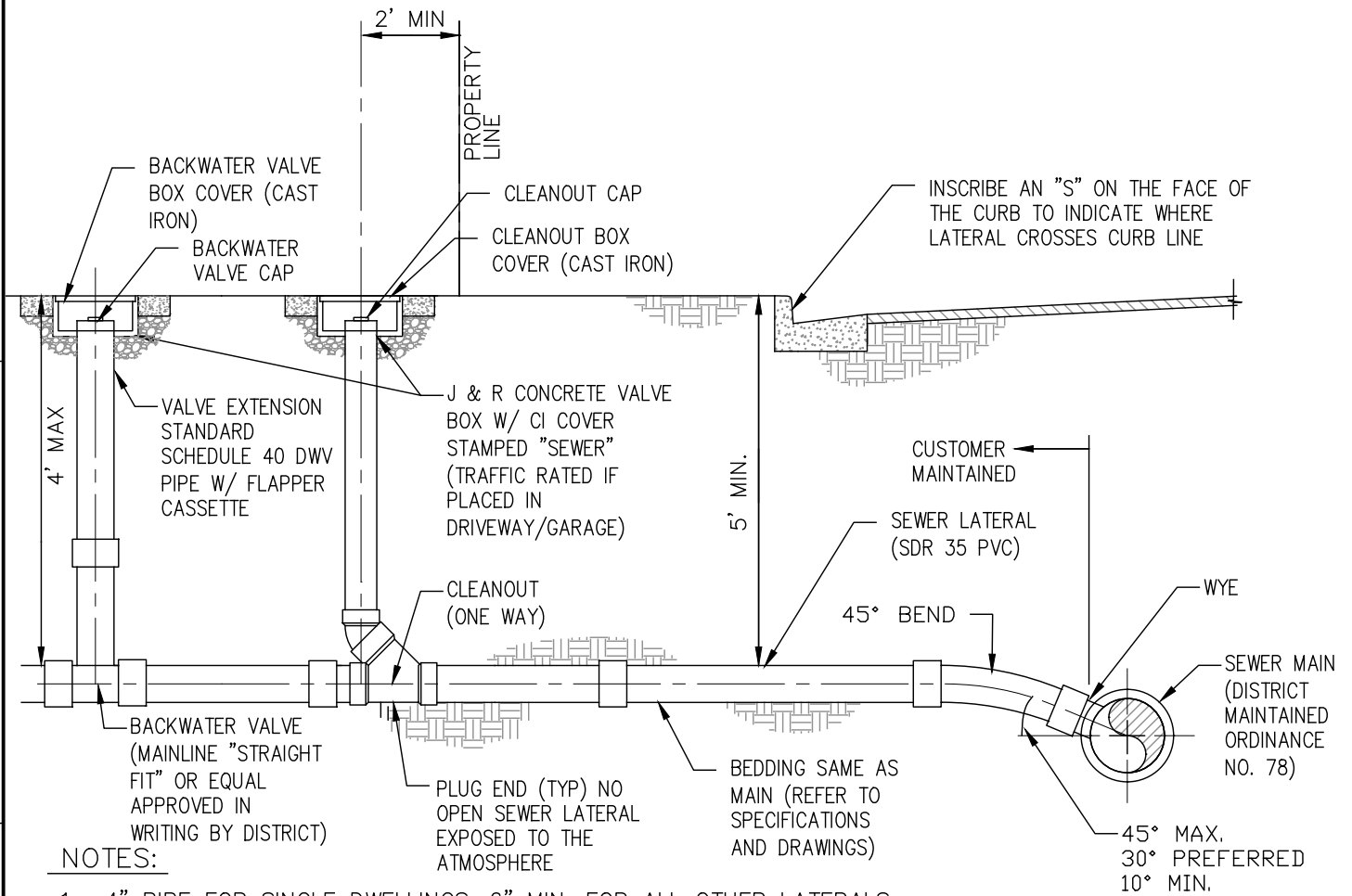
REV.

APPROVED BY:

Jesse Pompa, Dir. Of Eng. & Wtr Resources

APPROVED BY:

Matthew Abel, Dir. Of Ops.



NOTES:

1. 4" PIPE FOR SINGLE DWELLINGS, 6" MIN. FOR ALL OTHER LATERALS.
2. All 8" LATERALS WILL REQUIRE MANHOLE CONNECTION.
3. LATERAL LOCATIONS SHALL BE MEASURED AT RIGHT ANGLES TO STREET CENTERLINE FROM THE CENTERLINE OF THE NEAREST DOWNSTREAM MANHOLE COVER.
4. WHENEVER DEPTH OF COVER OVER LATERAL IS LESS THAN 4'-0", SPECIAL BEDDING OR CONCRETE CRADLE SHALL BE USED.
5. CONTRACTOR SHALL REFERENCE EACH LATERAL IN THE FIELD WITH A SURFACE MARKER. MARKER SHALL BE METAL STAKE PLACED AT TIME OF BACKFILLING. MARKER SHALL BE VERTICAL AND CUT OFF 6" ABOVE GRADE.
6. SEWER LATERALS FOR ALL LOTS WHICH HAVE PAD ELEVATIONS AT OR BELOW STREET GRADE SHALL BE CONSTRUCTED AT 2% SLOPE. IN NO CASE SHALL ANY SEWER LATERAL BE CONSTRUCTED AT LESS THAN 2% SLOPE UNLESS OTHERWISE SHOWN ON DISTRICT APPROVED PLANS.
7. SEWER PLUGS TO BE INSTALLED INTO LATERAL STUBOUTS AND INFLATED WHILE MAKING HOUSE CONNECTIONS TO THE SEWER MAIN. CONNECTIONS TO BE MADE WITH DISTRICT INSPECTOR PRESENT.
8. A MANHOLE PER DISTRICT STANDARD DRAWING NO. S-7 SHALL BE PROVIDED AT THE STREET RIGHT-OF-WAY LINE FOR ALL LATERALS 6" IN DIAMETER AND LARGER UNLESS A WASTEWATER FLOW MONITORING STATION IS PROVIDED OR UNLESS OTHERWISE APPROVED IN WRITING BY THE DISTRICT.
9. A BACKWATER VALVE SHALL BE REMOVABLE TYPE IV WITH INSTRUCTIONS FOR INSTALLATION ON THE REMOVABLE TEE HANDLE.
10. BACKWATER VALVE TO BE INSTALLED AT SHALLOW DEPTH OF THE SEWER LATERAL CLOSE TO THE BUILDING PAD TO PROTECT ALL SEWER FIXTURES DRAINING TO SEWER MAIN.
11. "BACKWATER VALVE DOWNSTREAM" SHALL BE PERMANENTLY MARKED ON THE UPSTREAM CLEANOUTS FROM THE BACKWATER VALVE.
12. THE INSTALLATION REQUIREMENTS AND LOCATION FOR A BACKWATER VALVE SHALL BE DETERMINED PER CALIFORNIA BUILDING CODES.

JURUPA COMMUNITY SERVICES DISTRICT

SCALE: NONE

DATE: JANUARY 2026

TYPICAL SEWER LATERAL

DRAWING NO.

S-5

REV.

APPROVED BY:

Jesse Pompa, Dir. Of Eng. & Wtr Resources

APPROVED BY:

Matthew Abel, Dir. Of Ops.

STANDARD DRAWING NO. S-6 DELETED

JURUPA COMMUNITY SERVICES DISTRICT

SCALE: NONE

DATE: JANUARY 2026

DRAWING NO.

S-6

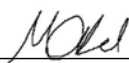
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APPROVED BY:



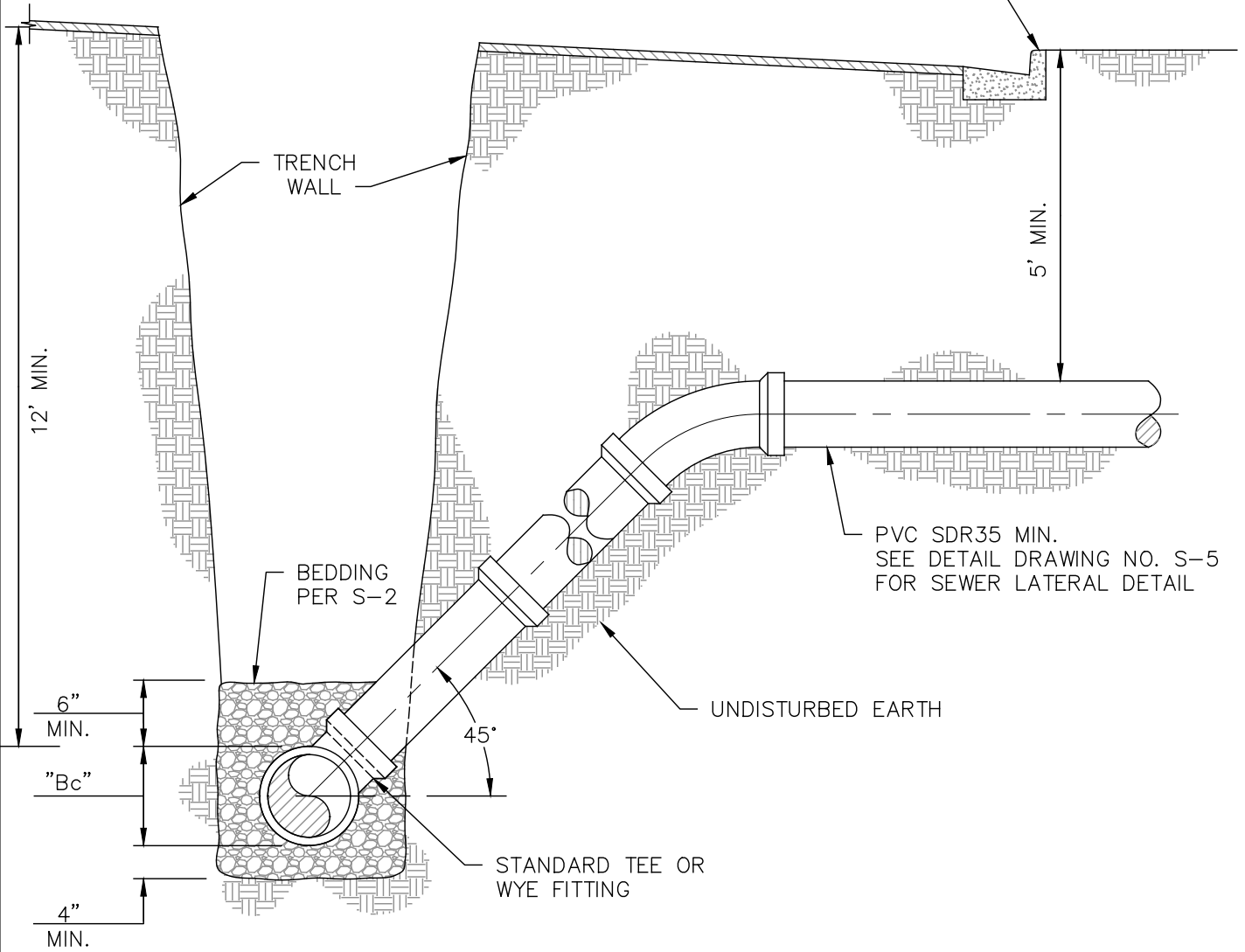
Jesse Pompa, Dir. Of Eng. & Wtr Resources

APPROVED BY:



Matthew Abel, Dir. Of Ops.

INSCRIBE AN "S" ON FACE OF THE CURB TO INDICATE WHERE LATERAL CROSSES CURB LINE



B_c = OUTSIDE DIAMETER OF PIPE BARREL.

JURUPA COMMUNITY SERVICES DISTRICT

SCALE: NONE

DATE: JANUARY 2026

DEEP LATERAL FLEXIBLE GRAVITY PIPE

DRAWING NO.

S-6A

REV.

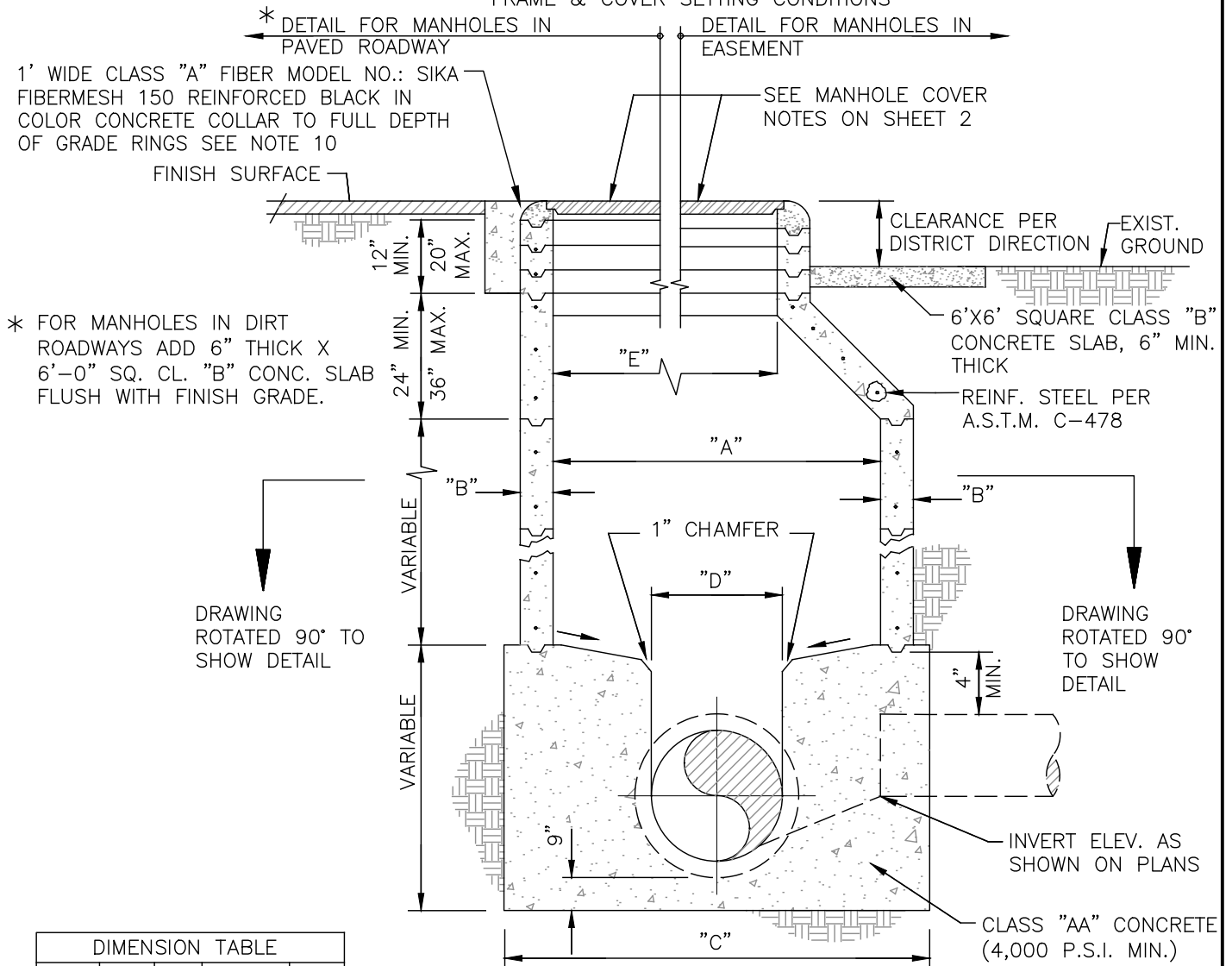
APPROVED BY:

Jesse Pompa, Dir. Of Eng. & Wtr Resources

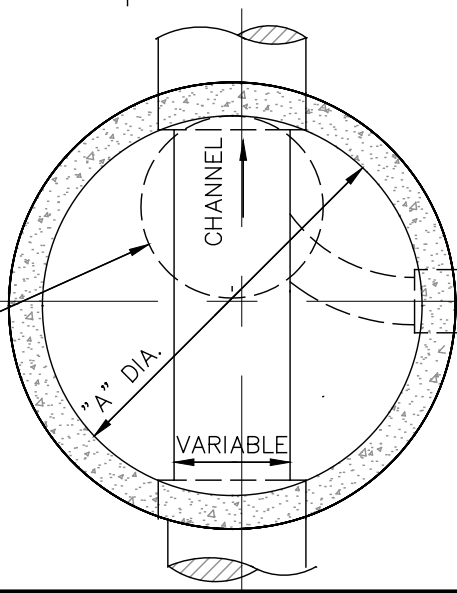
APPROVED BY:

Matthew Abel, Dir. Of Ops.

FRAME & COVER SETTING CONDITIONS



| DIMENSION TABLE | | | | |
|-----------------|-----|----|-------|-----|
| M.H. DIA. | A | B | C | E |
| 4' | 48" | 6" | 5'-6" | 30" |
| 5' | 60" | 6" | 6'-6" | 30" |



A MIN. INSIDE DIA. OF 60" SHALL BE REQ'D. FOR PIPELINES DEEPER THAN 15' AND/OR FOR SEWER DIAMETERS 15 INCH AND LARGER

ALL MANHOLE TOPS SHALL BE INSTALLED WITH MANHOLE COVER OVER DOWNSTREAM OUTLET, EXCEPT AS OTHERWISE NOTED.

MANHOLE COVERS SHALL HAVE THE FOLLOWING WRITING ON THE CENTER OF THE COVER:
 JCSD
 SEWER
 MONITORING MANHOLE COVERS SHALL HAVE THE FOLLOWING WRITING ON THE CENTER OF THE COVER:
 SEWER

JURUPA COMMUNITY SERVICES DISTRICT

SCALE: NONE
 DATE: JANUARY 2026

PRECAST CONCRETE MANHOLE

DRAWING NO.
S-7
 SHEET 1 OF 3

REV. APPROVED BY: *Jesse Pompa*
 Jesse Pompa, Dir. Of Eng. & Wtr Resources

APPROVED BY: *Matthew Abel*
 Matthew Abel, Dir. Of Ops.

NOTES:

1. ALL SECTIONS TO BE WASHED TO REMOVE ANY LOOSE MATERIAL. PRECAST MANHOLE SECTIONS AND GRADE RINGS SHALL BE SEALED WITH CS-102B BUTYL/BITUMEN BLENDED SEALANT AS MANUFACTURED BY CONSEAL OF NEW CARLISLE, OHIO OR DISTRICT APPROVED EQUAL TO FORM WATERTIGHT JOINTS.
2. CONCRETE FOR MANHOLE SECTIONS SHALL BE 4,000 P.S.I. MIN. USING CLASS "AA" CEMENT.
3. PROVIDE REPAIR BAND COUPLING WITH ADJUSTABLE SHIELDED S.S. SHEAR RING JOINT IN ALL V.C.P. SEWER PIPES OUTSIDE OF MANHOLE BUT WITHIN 12" OF CONCRETE BASE.
4. WHEN INSTALLING REINFORCED CONCRETE GRADE RING(S) 3"-6" THE GRADE RINGS MUST BE CLEAN AND ANCHORED TO BOTH THE FRAME AND GRADE RING(S) OR CONE WITH RAM-NEK JOINT SEALER OR SEALANT AS RECOMMENDED BY MANUFACTURER FOR WATERTIGHT CONNECTION AS APPROVED BY THE DISTRICT. INTERIOR OF GRADE RINGS SHALL BE SMOOTHLY MORTARED.
5. MORTAR AROUND AND UNDER FRAME SHALL BE CURED WITH A PIGMENTED CURING COMPOUND MEETING REQUIREMENTS OF SECTION 90-7 OF STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS, 2006 EDITION.
6. FOR PVC CONNECTIONS TO EXISTING AND NEW PRECAST REINFORCED CONCRETE MANHOLES. A HOLE SPECIFIC TO THE NEW PIPE'S O.D. DIA. SHALL BE CORED INTO THE CONCRETE MANHOLE WALL TO RECEIVE THE PIPE. A KOR-N-SEAL BOOT OR ENGINEER APPROVED EQUAL SHALL BE CLAMPED INTO THE CORED HOLE AND USED TO MAKE THE CONNECTION.
7. SHELF AND GROOVE SHALL BE FORMED MONOLITHICALLY WITH THE MANHOLE BASE. CHANNELS TO BE SMOOTH FINISH.
8. NO FLY ASH ALLOWED ON CONCRETE COLLAR AS ADDED MIXTURE AGENT.
9. MANHOLE SHALL BE VACUUM TESTED PER DISTRICT SPECIFICATIONS.
10. CONCRETE COLLAR SHALL BE COLORED BLACK WITH TRU HUE-INTEGRAL COLOR BY WALTTOOLS.COM (888-263-5895) WHICH IS AN ADMIXTURE COMPOSED OF IRON OXIDE PIGMENTS PER ASTM C 979 FOR INTEGRALLY COLORED CONCRETE. FOR COLOR BLACK PIGMENT A MINIMUM OF THREE (3) BAGS PER CUBIC YARD OF CONCRETE WILL BE REQUIRED. IF MIXING ON-SITE, ONCE COLOR IS ADDED MAKE SURE THE DRUM TURNS FOR 120 REVOLUTIONS BEFORE PLACEMENT. THE FOLLOWING ARE PRECAUTIONS:
 - DO NOT USE WITH ADMIXTURES CONTAINING CALCIUM CHLORIDE.
 - CERTAIN OXIDE PIGMENTS CAN REDUCE AIR CONTENT.
 - DO NOT CHANGE CEMENT BRANDS IN THE MIDDLE OF A JOB.
 - WATCH SLUMP CLOSELY AS A WARNING FOR WATER CONTENT CHANGE. CHANGES IN WATER CONTENT WILL CAUSE COLOR VARIATIONS

MANHOLE COVER NOTES:

UNLESS OTHERWISE SPECIFIED BY THE DISTRICT, MANHOLE COVER AND FRAME SHALL BE CAST IRON, SOUTH BAY FOUNDRY, SBF 1252 (30") & SBF 1251 (36"), LONG BEACH FOUNDRY LB 1252 & LB 1251, NATIONAL CASTING NC252, OR APPROVED EQUALS.

COMPOSITE MATERIAL COVER AND FRAME PER DISTRICT DIRECTION AND OR APPROVAL. COMPOSITE MATERIAL COVER AND FRAME SHALL BE EJ SERIES, (30") 3200 AND (36") 3800 WITH FOUR (4) TITUS TWISTLIFT TITANIUM STEEL LOCKS (SEE SHEET 3 OF 3 OF S-7 FOR TITUS TWISTLIFT SPECS), PER COVER. "NOTE" AFTER SETTING A COMPOSITE FRAME IN PLACE AND PRIOR TO POURING THE CONCRETE COLLAR AND/OR CONCRETE SLAB, INSTALL ONE (1) #4 REBAR SHAPED INTO A FULL CIRCLE THREE (3") INCHES LARGER IN O.D. THAN THE COMPOSITE FRAME. AFTER FORMING THE #4 REBAR CIRCLE, IT SHALL THAN BE SET TO THREE (3") INCHES BELOW THE FRAME RIM ELEVATION THEN ENCAPSULATED IN THE CONCRETE COLLAR AND/OR CONCRETE SLAB.

JURUPA COMMUNITY SERVICES DISTRICT

SCALE: NONE

DATE: JANUARY 2026

PRECAST CONCRETE MANHOLE


DRAWING NO.

S-7

SHEET 2 OF 3

REV.

APPROVED BY:



Jesse Pompa, Dir. Of Eng. & Wtr Resources

APPROVED BY:



Matthew Abel, Dir. Of Ops.

SPECIAL MANHOLE COVER CONDITIONS

1. FOR MANHOLES IN EASEMENTS, UNPAVED AREAS, OR ANY AREA WHERE SECURITY IS A DISTRICT CONCERN BUT WATER INFLOW IS NOT AN ISSUE USE EJ SERIES OR APPROVED EQUAL.
2. FOR MANHOLES IN EASEMENTS, UNPAVED AREAS, STREET OR ANY AREA WHERE WATER INFLOW IS A POTENTIAL ISSUE AND/OR WHERE SECURITY IS A DISTRICT CONCERN AND WHEN DIRECTED AND APPROVED BY DISTRICT, USE DISTRICT STANDARD DRAWING NO. S-23.

FIBERMESH NOTES:

SIKA FIBERMESH 150 APPLICATION

1. RECOMMENDED DOSAGE -THE DOSAGE OF THE SIKA® FIBERMESH®-150 WILL VARY ACCORDING TO THE TYPE OF APPLICATION AND PERFORMANCE REQUIREMENTS. STANDARD RECOMMENDED DOSAGE RATIO OF SIKA® FIBERMESH®-150 IS BETWEEN 0.75 TO 1.5 LBS/CU YD OF CONCRETE.
2. MIXING -SIKA® FIBERMESH®-150 IN DEGRADABLE BAG CAN BE ADDED DIRECTLY TO THE CONCRETE MIXING SYSTEM AFTER THE BATCHING OF THE OTHER INGREDIENTS AND MIXED FOR 4 TO 5 MINUTES OR 70 REVOLUTIONS.
3. APPLICATION -THE ADDITION OF SIKA® FIBERMESH®-150 AT THE NORMAL RECOMMENDED DOSAGE RATE DOES NOT REQUIRE ANY MIX DESIGN OR APPLICATION CHANGES. THE FIBER CONCRETE CAN BE MIXED, SPRAYED OR PLACED USING CONVENTIONAL EQUIPMENT.
4. TOOLING & FINISHING -SIKA® FIBERMESH®-150 CAN BE FINISHED BY MOST FINISHING TECHNIQUES AS INDICATED IN ACI-302.

TITUS TWISTLIFT LOCK:

1. THE TITUS® TWISTLIFT® BOLT SHALL BE MACHINED FROM TITANIUM STEEL.
2. THE BOLT FEATURES A DOMED HEAD WITH 3 EQUALLY SPACED 'J' SLOTS RUNNING HORIZONTALLY AROUND THE BOLT HEAD. A FLAT IS MACHINED ON THE TOP TO EXTEND THE LIFE OF THE DEBRIS PLUGS. AN INDICATOR LINE IS ALSO MACHINED INTO THE HEAD.
3. STANDARD BOLT SIZES ARE ½" 20 THREAD PER INCH (TPI) WITH A FLAT MACHINED ON TWO SIDES TO ENGAGE PADDLE. PADDLE STOP ASSEMBLY AND KNURLED PINS ARE 316 SS. LONG NOSE QUARTER TURN PADDLES ARE 316 SS.
4. THE LOCK STOP IS A 316 SS INVESTMENT CASTING PINNED TO THE COVER WITH A 1/2" HOLE TO ACCOMMODATE THE TWISTLIFT BOLT.
5. THE BOLT AND PADDLE WILL BE ASSEMBLED USING A STANDARD 316 SS ½" X 20 TPI NUT WITH THIN SS WASHER COATED IN ANTI-SEIZE. NUT SHOULD BE TORQUED TO ABOUT 35 FT/LBS. THIS PROVIDES FOR THE CONSISTENT TURNING RESISTANCE OF THE LOCK ASSEMBLY. A SECOND 316 SS LOCK NUT IS USED AS A JAM NUT, AND TORQUED TO 90 FT. LBS. WHILE HOLDING THE BOTTOM NUT STATIONARY. RED LOCKTITE® OR EQUIVALENT SHOULD BE LIBERALLY USED PRIOR TO ASSEMBLY.
6. THE BOLT WILL BE OPERATED BY MEANS OF A SPECIALLY MADE OPENING KEY CONSISTING OF A SPECIAL SOCKET ATTACHED TO A 'T' HANDLE USED TO BOTH TURN THE BOLT, AND LIFT OUT THE COVER.
7. REPLACEMENT OPENING KEYS ARE ONLY AVAILABLE THROUGH TITUS® WASTEWATER SOLUTIONS, INC.
8. THE BOLT HEAD IS PROTECTED BY A WEATHER RESISTANT PLASTIC DEBRIS CAP. THE CAP IS INCLUDED WITH EACH LOCK.

JURUPA COMMUNITY SERVICES DISTRICT

| | | |
|--|---|-------------------------------|
| SCALE: NONE | PRECAST CONCRETE MANHOLE | DRAWING NO. S-7 |
| DATE: JANUARY 2026 | | SHEET 3 OF 3 |
| REV. APPROVED BY:  Jesse Pompa, Dir. Of Eng. & Wtr Resources | APPROVED BY:  Matthew Abel, Dir. Of Ops. | |

STANDARD DRAWING NO. S-8 DELETED

JURUPA COMMUNITY SERVICES DISTRICT

SCALE: NONE

DATE: JANUARY 2026

DRAWING NO.

S-8

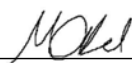
REV.

APPROVED BY:



Jesse Pompa, Dir. Of Eng. & Wtr Resources

APPROVED BY:



Matthew Abel, Dir. Of Ops.

STANDARD DRAWING NO. S-9 DELETED

JURUPA COMMUNITY SERVICES DISTRICT

SCALE: NONE

DATE: JANUARY 2026

DRAWING NO.

S-9

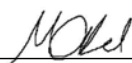
REV.

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APPROVED BY:



Matthew Abel, Dir. Of Ops.

STANDARD DRAWING NO. S-10 DELETED

JURUPA COMMUNITY SERVICES DISTRICT

SCALE: NONE

DATE: JANUARY 2026

DRAWING NO.

S-10

REV.

APPROVED BY:



Jesse Pompa, Dir. Of Eng. & Wtr Resources

APPROVED BY:



Matthew Abel, Dir. Of Ops.

| ITEM | DESCRIPTION |
|------|---|
| ① | 36" DIA. FRAME AND COVER PER SOUTH BAY FOUNDRY, NO. SBF 1325 OR APPROVED EQUAL OR MANHOLE COVER REQUIRED BY SPECIAL MANHOLE CONDITIONS IN DISTRICT STANDARD DRAWING NO. S-7. |
| ② | 6" OR 8" DIA. (TO MATCH SEWER PIPELINE SIZE) PALMER-BOWLUS FLUME INSTALLED PER MANUFACTURER'S RECOMMENDATIONS PLASTI-FAB, INC., OR APPROVED EQUAL. |
| ③ | REPAIR BAND COUPLING WITH ADJUSTABLE STAINLESS STEEL SHIELDED SHEAR RING. |
| ④ | FLOW TRANSCIEVER IN AN E.P. NON-CORROSION ENCLOSURE COMPLETE WITH A NON-CONTACT SENSOR WITH HOUSING EQUIPPED WITH CABLE TO THE TRANSCIEVER AND 500' (MAX) CABLE FROM THE TRANSCIEVER TO THE FLOWMETER PANEL. THIS SET SHALL BE APPROVED FOR CLASS 1, DIVISION 1 LOCATION. CURRENT PULSAR GREYLINE OCF METER OR DISTRICT APPRV'D. EQUAL. |
| ⑤ | POINT OF MEASUREMENT. |
| ⑥ | SECURE TRANSENSOR CABLE CONDUIT (RIGID STEEL PVC COATED) TO WALL OF MANHOLE WITH T316 STAINLESS STEEL STRAPS 48"± O.C. |
| ⑦ | 3/4" DIA. RIGID STEEL PVC COATED CONDUIT WITH PVC COATED COUPLINGS AS REQUIRED. |
| ⑧ | STAINLESS STEEL (316) CONDUIT SUPPORTS AS REQUIRED. |
| ⑨ | EXPLOSION PROOF JUNCTION BOX WITH SEALING COVER PVC COATED. |
| ⑩ | RIGID STEEL PVC COATED SWEEP WITH PVC COATED COUPLINGS AS REQUIRED. |
| ⑪ | STAINLESSSTEEL (316) FLOOR MOUNTING BRACKET SECURED TO FLOOR WITH STAINLESS STEEL BOLTS. |

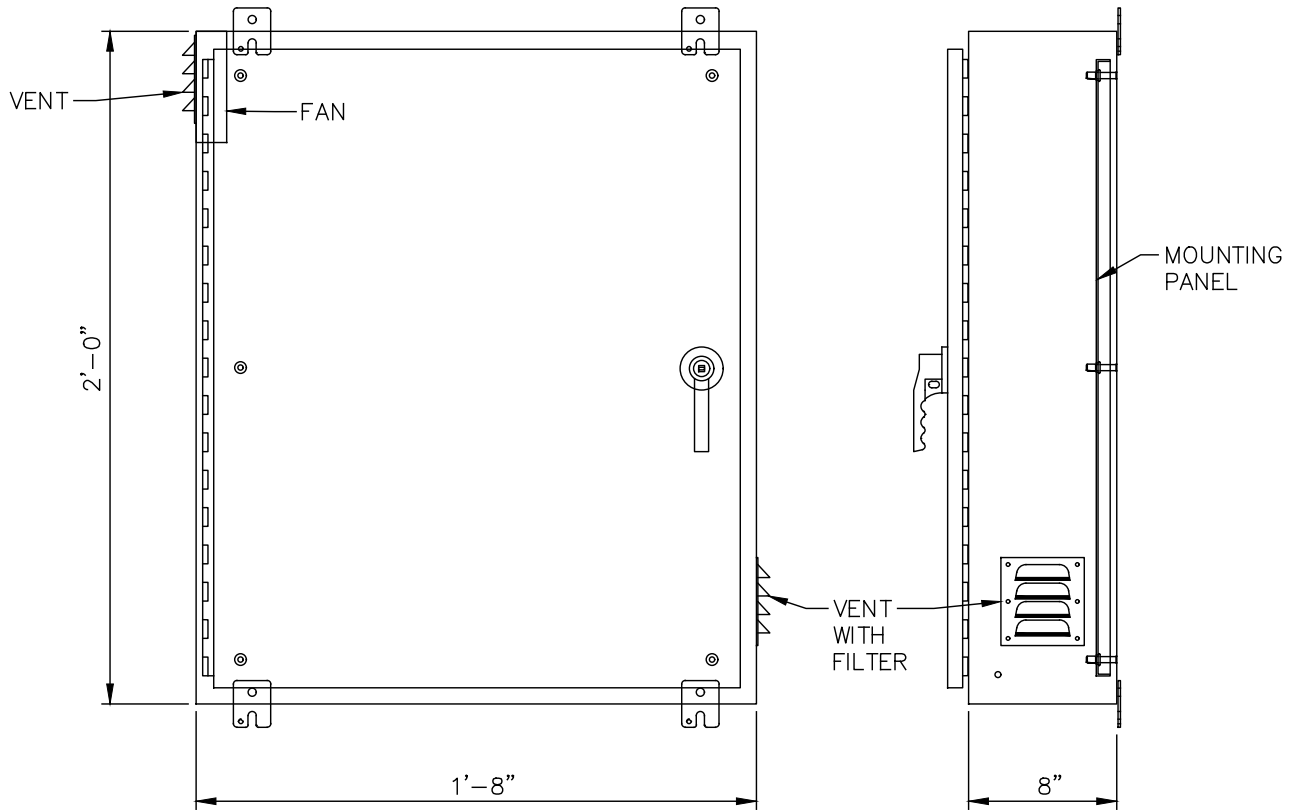
NOTE: FOR MANHOLES IN LANDSCAPED AREAS, ADD 6" THICK x 6'-0" SQ. CLASS "B" CONCRETE SLAB, FLUSH W/FINISHED GRADE.

GENERAL NOTES:

1. MANHOLE SHALL BE A PRECAST CONCRETE ECCENTRIC MANHOLE (5'-0" DIA.) WITH A 36" DIA. OPENING.
2. PROVIDE AND INSTALL ALL MATERIALS IN CONFORMANCE WITH THE NATIONAL ELECTRICAL CODE, CALIFORNIA ADMINISTRATION CODE, TITLE 8, AND LOCAL CODES AND REGULATIONS. INSTALL ALL EQUIPMENT IN ACCORDANCE WITH THE REQUIREMENTS OF THE INSPECTING AUTHORITY AND THE MANUFACTURER'S RECOMMENDATIONS.
3. PROVIDE THE SERVICES OF THE INSTRUMENT AND/OR SYSTEM SUPPLIER TO CHECK THE INSTALLATION, CALIBRATE, START UP AND DEBUG THE SYSTEM AND TRAIN THE OWNER'S PERSONNEL. PROVIDE AT LEAST FOUR (4) SETS OF INSTALLATION, OPERATION, AND MAINTENANCE MANUALS OF THE SYSTEM. PROVIDE CALIBRATION REPORT TO DISTRICT AFTER INSTALLATION.
4. THE SEWER METERING STATION BELOW GRADE IS CLASSIFIED AS CLASS 1, DIVISION 1. ALL EQUIPMENT, DEVICES AND WIRING TO BE INSTALLED SHALL BE APPROVED FOR THE CLASS OF LOCATION AND THE PROPERTIES OF THE GASES PRESENT.
5. ALL CONDUITS ORIGINATING FROM THE SEWER VAULT SHALL BE PROVIDED WITH APPROVED SEALING FITTINGS AND SEALING COMPOUND. INSTALL SEALING FITTINGS AT ALL LOCATIONS IN ACCORDANCE WITH THE N.E.C.
6. ALL CONDUITS IN SEWER MANHOLE SHALL BE RIGID STEEL, PVC COATED.

JURUPA COMMUNITY SERVICES DISTRICT

| | | |
|--|---|--------------|
| SCALE: NONE | WASTEWATER FLOW MONITORING STATION | DRAWING NO. |
| DATE: JANUARY 2026 | | S-11 |
| REV. APPROVED BY:  Jesse Pompa, Dir. Of Eng. & Wtr Resources | APPROVED BY:  Matthew Abel, Dir. Of Ops. | SHEET 2 OF 6 |



CABINET NOTES:

1. CABINET SHALL BE FROM HOFFMAN ENCLOSURES, INC MODEL NO. A24H2008SS6LP3PT WITH ASSOCIATED MOUNTING PANEL NO. A24P20SS6 OR APPROVED EQUAL.
2. MASTER LOCK PADLOCK SHOULD BE KEYED TO KEY NUMBER 3882 AND TWO KEYS PROVIDED, ONE FOR OWNER, ONE FOR DISTRICT.
3. CABINET SHALL BE VENTED AND FILTERED (STAINLESS STEEL MESH – WASHABLE) IN THE TOP LEFT AND BOTTOM RIGHT CORNERS. LOUVER PLATE KIT AVK34556, FILTER MEDIA AFT34, AXIAL FAN A4AXFNPG POWER CORD ACORD1, AND FAN FILTER AFLTR4LD MOUNTED TOP LEFT.
4. PANEL SHALL INCLUDE AN ISOLATED 120V 20 AMPS CIRCUIT FOR THE ELECTRICAL OUTLET.

LOCATION NOTES:

1. THE BOTTOM OF PANEL SHOULD BE MOUNTED THREE FEET OFF THE GROUND ON THE OPPOSITE SIDE OF THE MONITORING MANHOLE FROM THE STREET (EIGHT FEET FROM CENTER OF MANHOLE, WHERE PRACTICAL) OR IF NECESSARY, ON THE OUTSIDE WALL OF THE BUILDING NEAREST THE FLOW METER.
2. THE PANEL SHALL BE FREE FROM LANDSCAPING (FOUR FEET IN FRONT OF AND TWO FEET ON EACH SIDE OF THE PANEL ON CONCRETE PAD).
3. ACCESS TO THE PANEL SHALL BE UNOBSTRUCTED AND HAVE A LEVEL WALKING PATH.

JURUPA COMMUNITY SERVICES DISTRICT

SCALE: NONE

DATE: JANUARY 2026

EQUIPMENT ENCLOSURE

DRAWING NO.

S-11

SHEET 3 OF 6

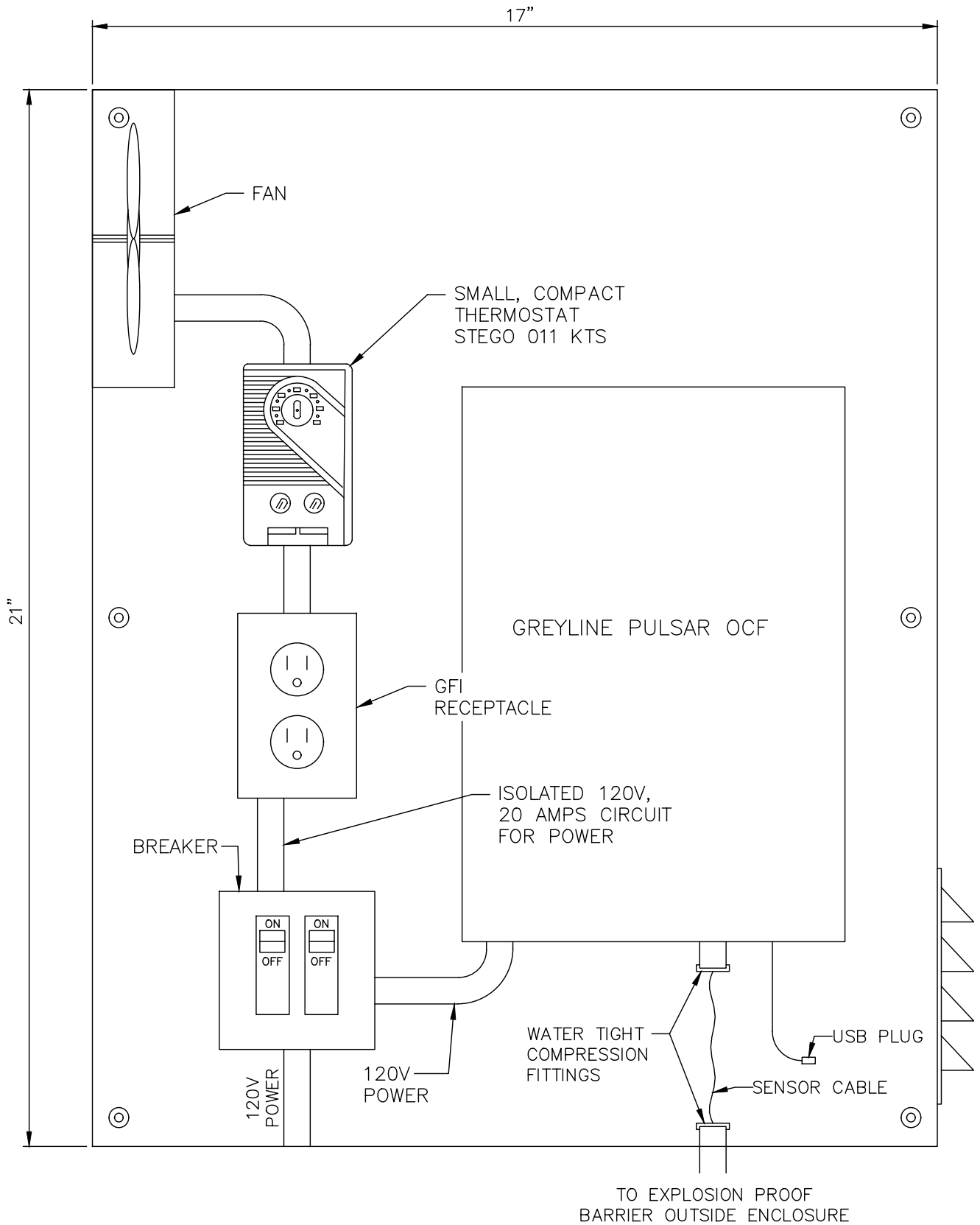
REV.

APPROVED BY:

Jesse Pompa, Dir. Of Eng. & Wtr Resources

APPROVED BY:

Matthew Abel, Dir. Of Ops.



JURUPA COMMUNITY SERVICES DISTRICT

SCALE: NONE

DATE: JANUARY 2026

SEWER FLOW METER PANEL MOUNT

DRAWING NO.

S-11

SHEET 4 OF 6

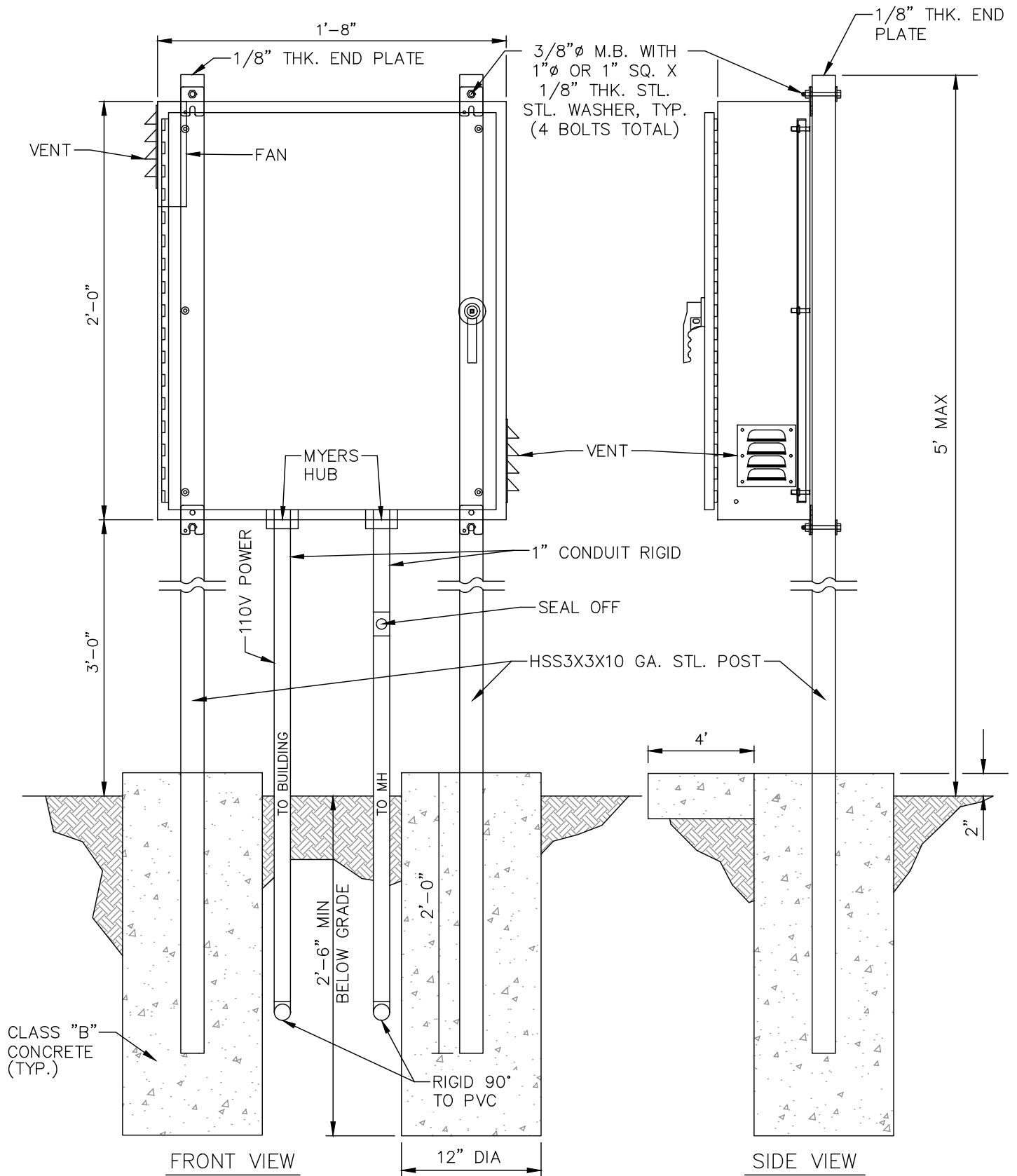
REV.

APPROVED BY:

Jesse Pompa, Dir. Of Eng. & Wtr Resources

APPROVED BY:

Matthew Abel, Dir. Of Ops.



JURUPA COMMUNITY SERVICES DISTRICT

SCALE: NONE

DATE: JANUARY 2026

EQUIPMENT ENCLOSURE MOUNTING POSTS

DRAWING NO.

S-11

SHEET 5 OF 6

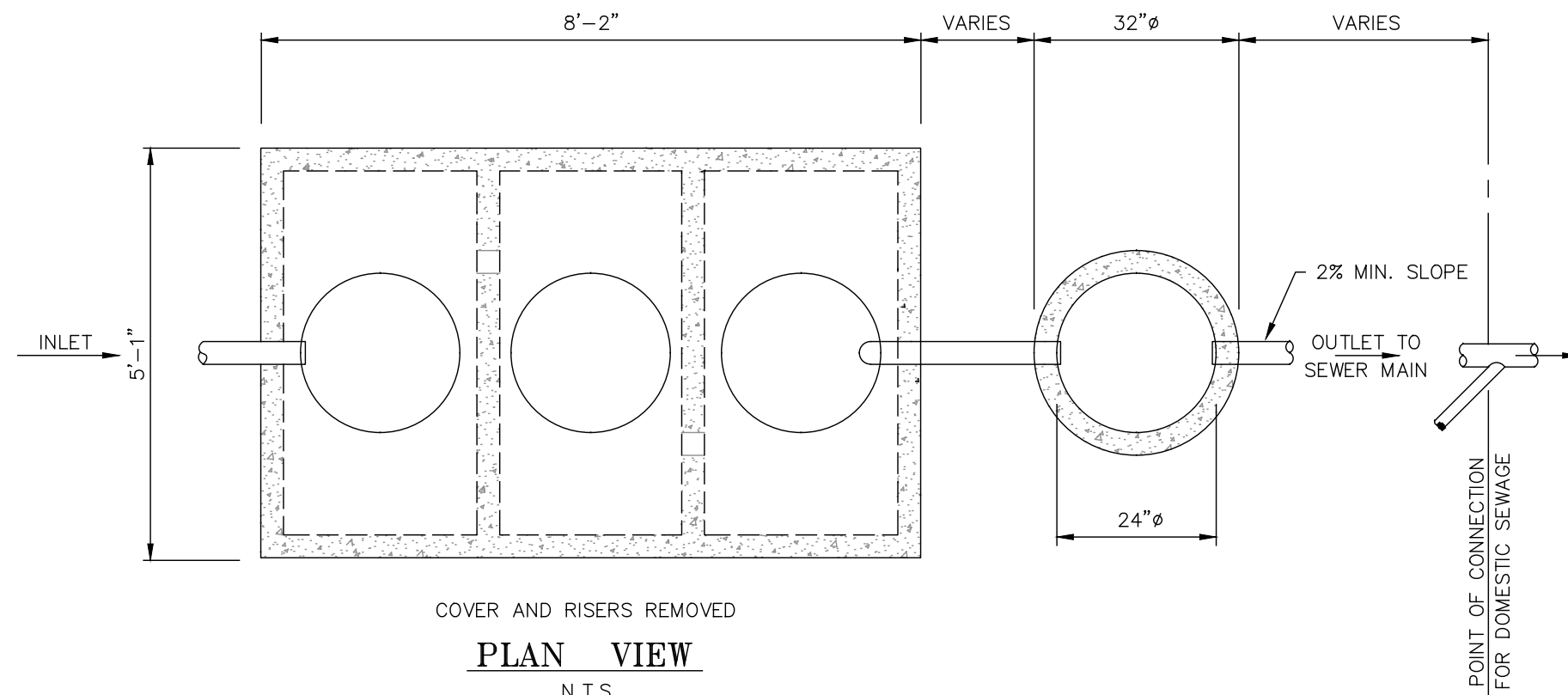
REV.

APPROVED BY:

Jesse Pompa, Dir. Of Eng. & Wtr Resources

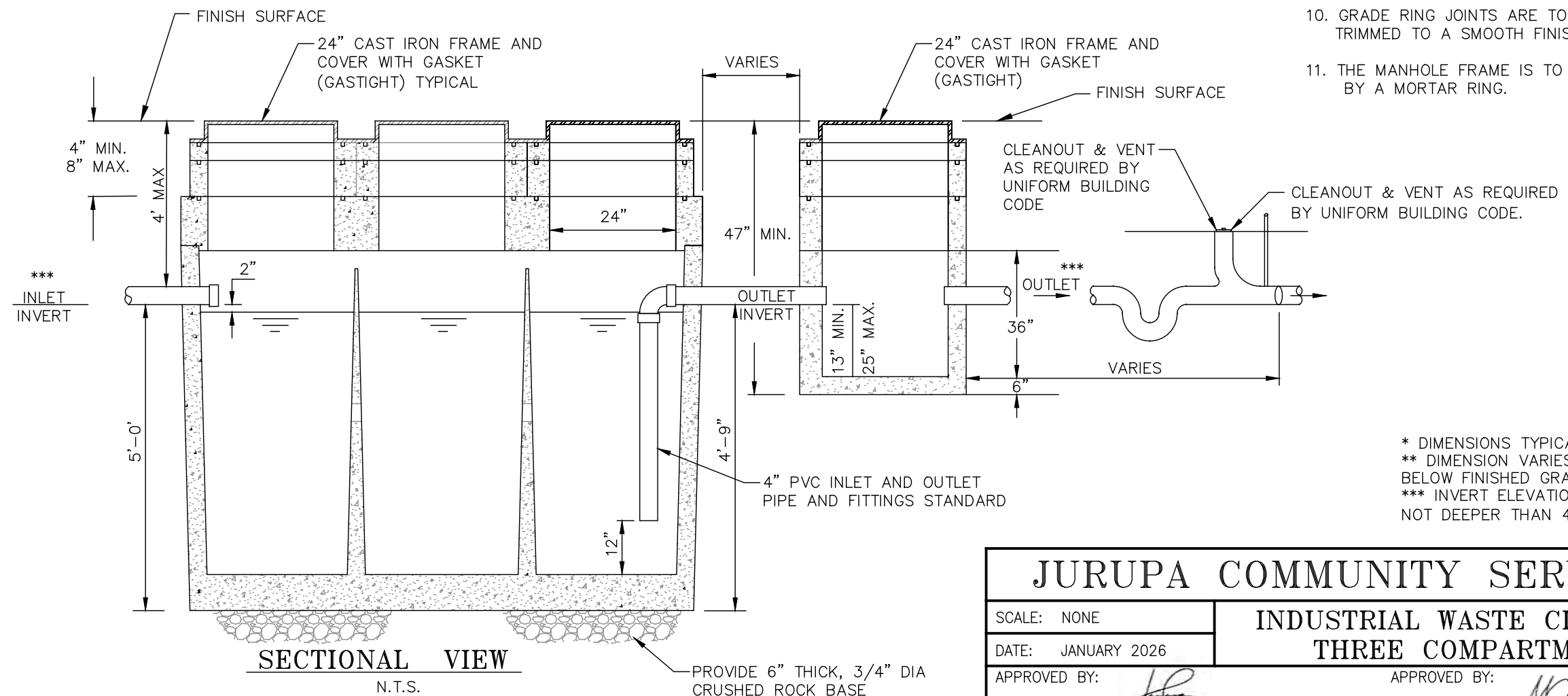
APPROVED BY:

Matthew Abel, Dir. Of Ops.



NOTES :

1. DOMESTIC SEWAGE CONNECTION IS TO BE MADE DOWNSTREAM OF CLARIFIER'S SAMPLE BOX.
2. PRECAST CONCRETE VAULT INCLUDING TOP AND COVERS TO BE DESIGNED FOR A MIN. H-20 TRAFFIC LOADING. SQUARE COVERS ARE NOT ACCEPTABLE.
3. ALL PIPE AND FITTINGS TO BE CAST IRON OR PVC PIPE.
- 4.. A LARGER CLARIFIER MAY BE REQUIRED BASED ON INDUSTRIAL EFFLUENT QUANTITY AND QUALITY. QUANTITY AND QUALITY.
5. WASTE DISCHARGE APPLICANT IS RESPONSIBLE FOR THE PURCHASE, INSTALLATION, OPERATION AND MAINTENANCE OF THE CLARIFIER.
6. APPROVED SUPPLIERS FOR CLARIFIER:
A. PYRAMID PRECAST CO. INC. RIALTO, CA.
B. JENSEN PRECAST CO. FONTANA, CA.
7. UPON DISTRICT APPROVAL, A TWO COMPARTMENT CLARIFIER MAY BE USED IN LIEU OF THE THREE COMPARTMENT.
8. LOCATION OF CLARIFIER IS SUBJECT TO APPROVAL BY DISTRICT.
9. SAMPLE BOX IS REQUIRED.
10. GRADE RING JOINTS ARE TO BE SEALED WITH 1:2 MORTAR, TRIMMED TO A SMOOTH FINISH INSIDE AND OUT.
11. THE MANHOLE FRAME IS TO BE SEALED WITH AND SECURED BY A MORTAR RING.



* DIMENSIONS TYPICAL OF 1000 GALLON CAPACITY CLARIFIER.
 ** DIMENSION VARIES DEPENDING ON DEPTH OF EFFLUENT LINE BELOW FINISHED GRADE.
 *** INVERT ELEVATION SHALL BE AS SHALLOW AS POSSIBLE, NOT DEEPER THAN 4' FROM FINISH SURFACE ELEVATION.

| | | |
|---|---|-------------|
| JURUPA COMMUNITY SERVICES DISTRICT | | |
| SCALE: NONE | INDUSTRIAL WASTE CLARIFIER THREE COMPARTMENT | DRAWING NO. |
| DATE: JANUARY 2026 | | S-12 |
| APPROVED BY: | APPROVED BY: | |
| Jesse Pompa, Dir. Of Eng. & Wtr Resources | Matthew Abel, Dir. Of Ops. | |

REV.

STANDARD DRAWING NO. S-13 DELETED

JURUPA COMMUNITY SERVICES DISTRICT

SCALE: NONE

DATE: JANUARY 2026

DRAWING NO.

S-13

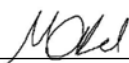
REV.

APPROVED BY:

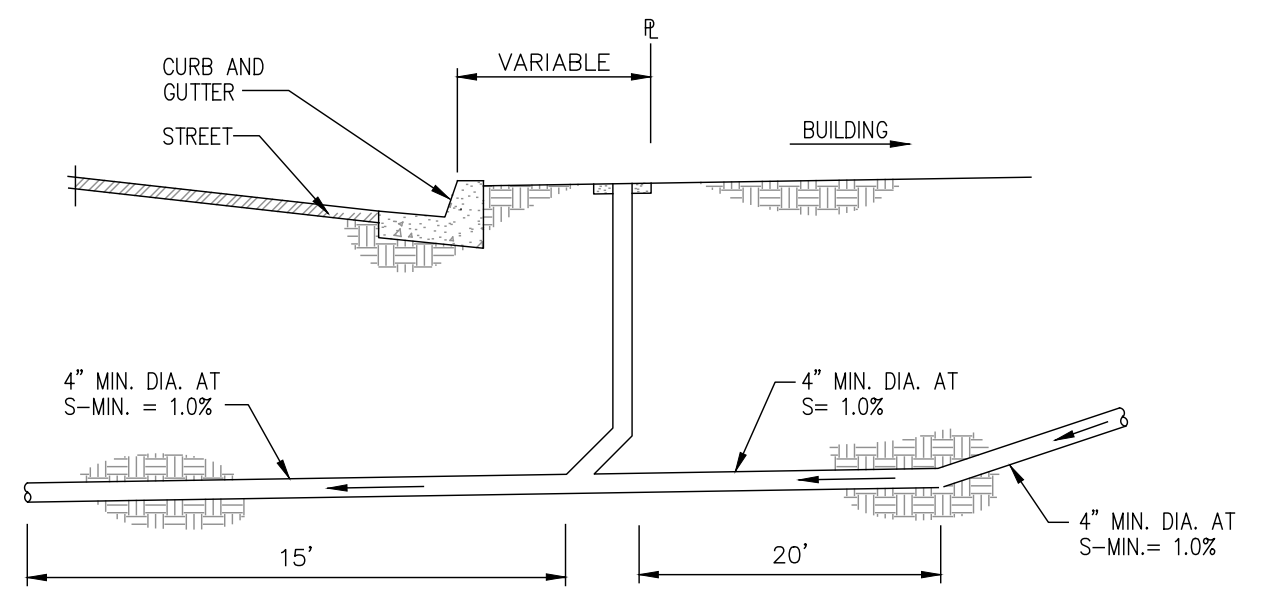
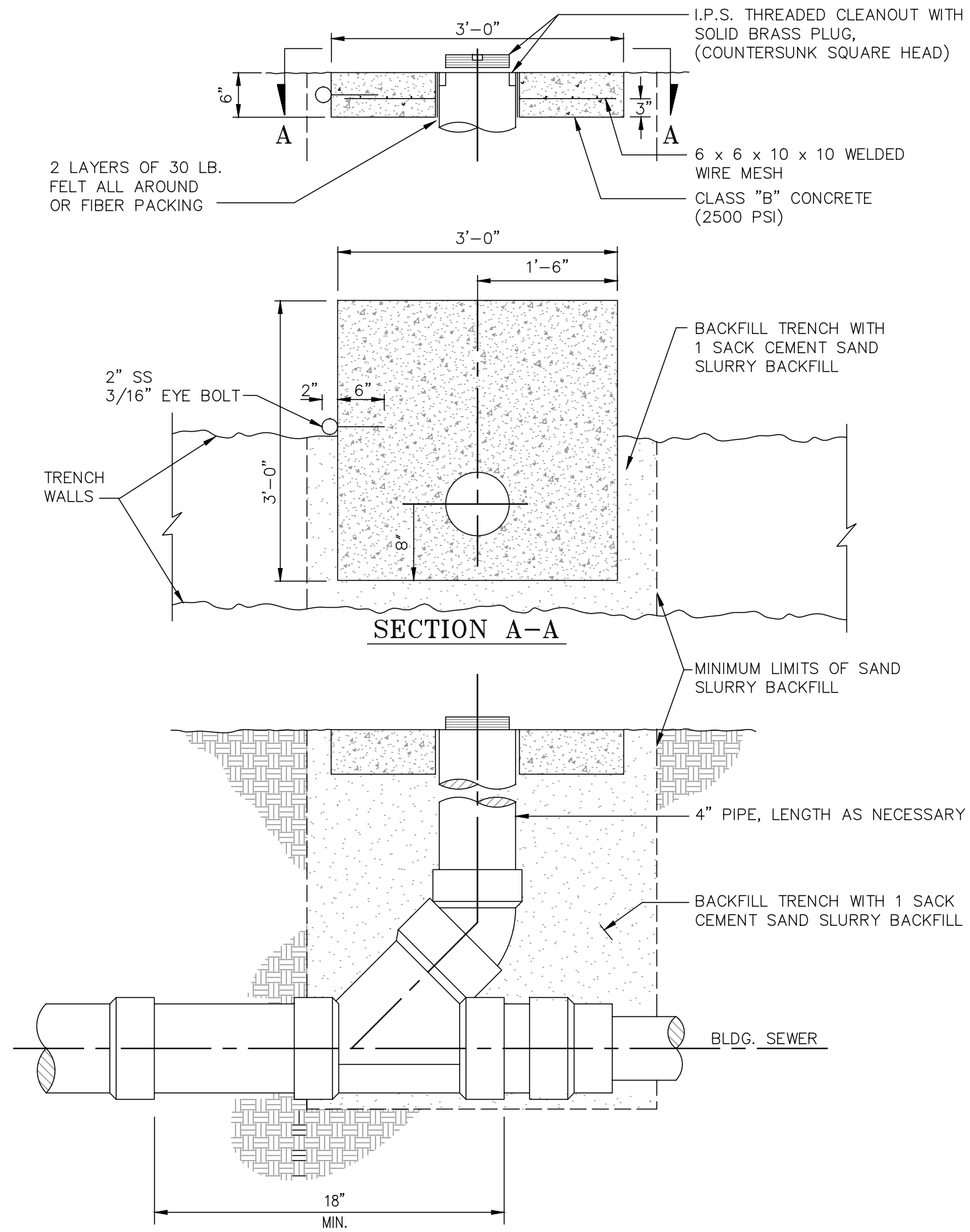


Jesse Pompa, Dir. Of Eng. & Wtr Resources

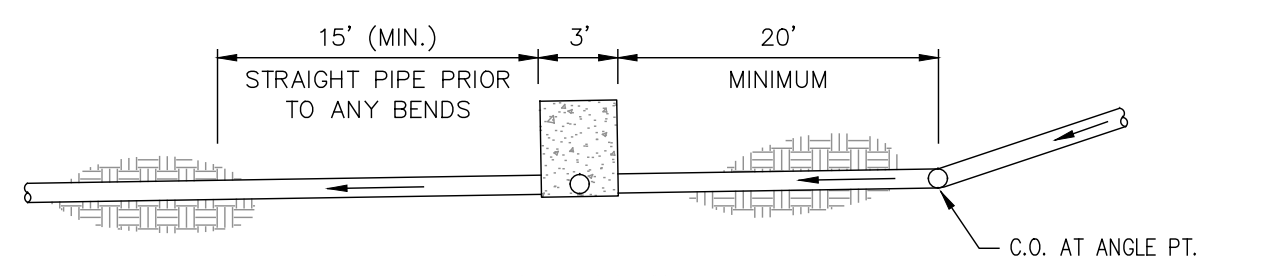
APPROVED BY:



Matthew Abel, Dir. Of Ops.



PROFILE VIEW

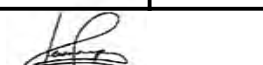



PLAN VIEW

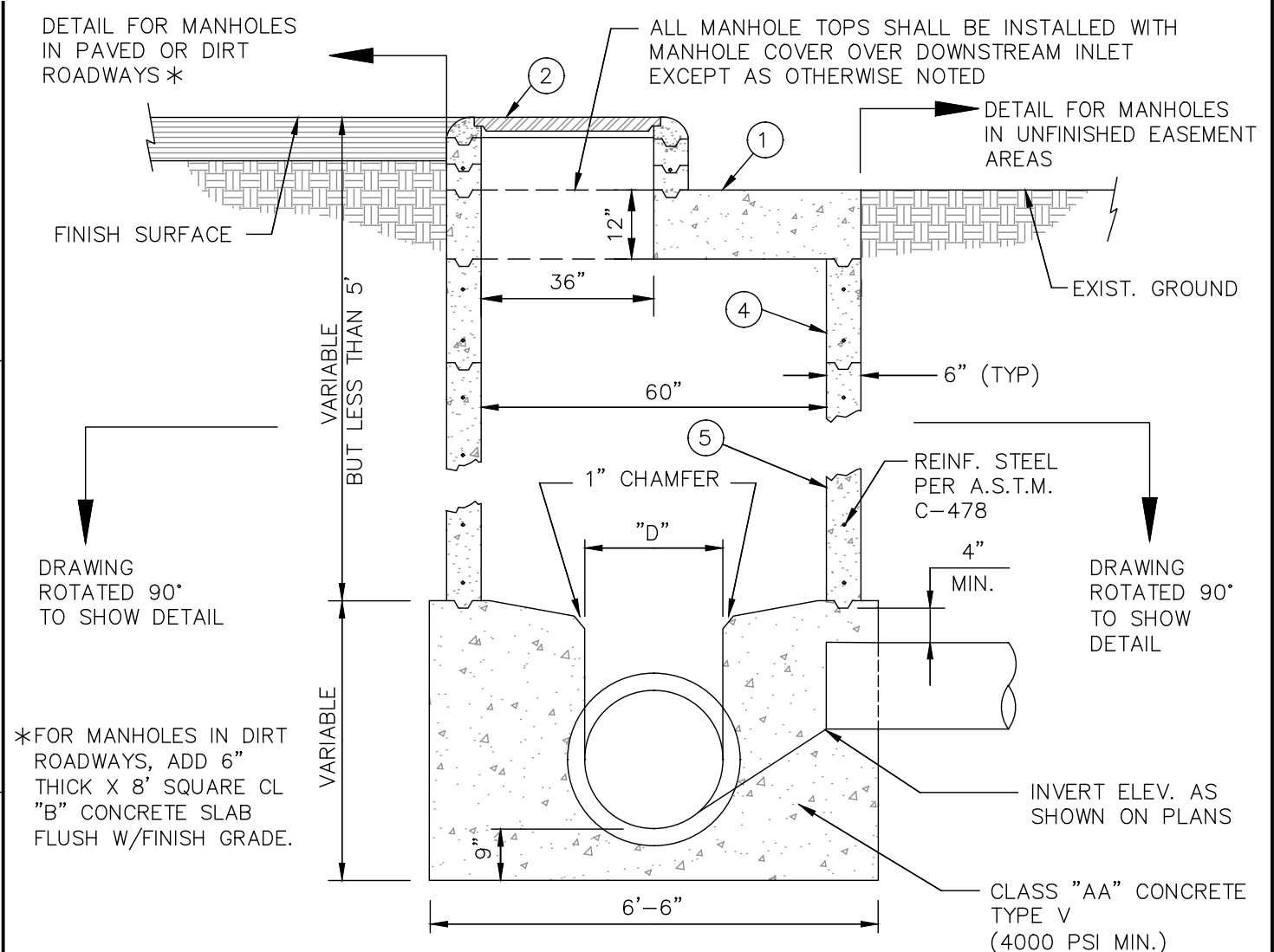
NOTE:

1. BARREL DIAMETER OF SAMPLING WYE SHALL BE A MINIMUM OF 2" LARGER THAN BLDG. DISCHARGE LINE.
2. DIAMETER OF RISER PIPE SHALL BE 4".
3. THE LOCATION OF THE SAMPLING WYE MUST BE ACCESSIBLE AT ALL TIMES TO DISTRICT PERSONNEL.
4. THE SAMPLING WYE SHALL NOT BE LOCATED IN TRAFFIC AREAS.
5. ALL MATERIALS UTILIZED SHALL CONFORM TO DISTRICT STANDARDS.

JURUPA COMMUNITY SERVICES DISTRICT

| | | |
|--|--|-------------|
| SCALE: NONE | BUILDING SEWER SAMPLING WYE | DRAWING NO. |
| DATE: JANUARY 2026 | | S-14 |
| APPROVED BY:  | APPROVED BY:  | |
| Jesse Pompa, Dir. Of Eng. & Wtr Resources | Matthew Abel, Dir. Of Ops. | |

REV.



*FOR MANHOLES IN DIRT ROADWAYS, ADD 6" THICK X 8' SQUARE CL "B" CONCRETE SLAB FLUSH W/FINISH GRADE.

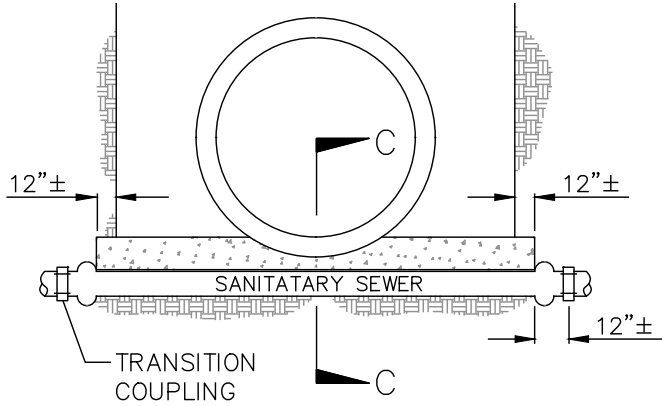
| ITEM | DESCRIPTION |
|------|---|
| ① | PRECAST REINFORCED CONCRETE FLATTOP BY OLDCASTLE PRECAST OR APPROVED EQUAL. |
| ② | 36" DIA. CAST IRON MANHOLE FRAME & COVER PER SOUTH BAY FOUNDRY SBF 1251. |
| ③ | GRADE RINGS. |
| ④ | RISER CENTER AND TOP SECTIONS. |
| ⑤ | 60" DIA PRECAST CONCRETE MANHOLE, RISER BASE SECTION |

NOTES:

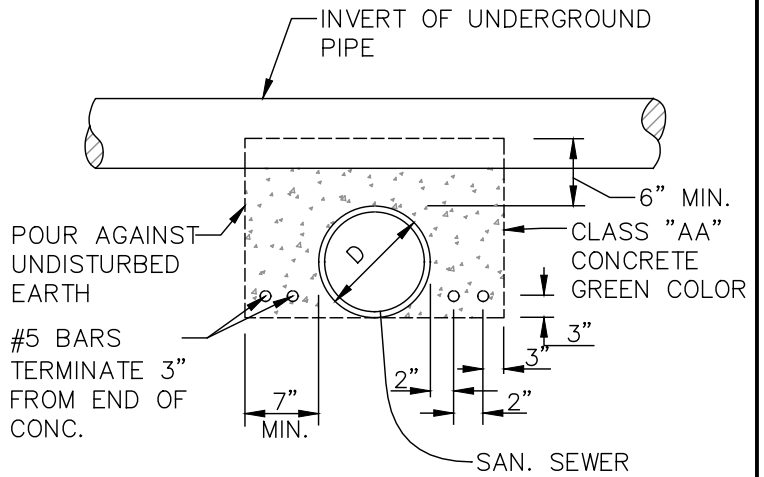
1. THIS STANDARD TO BE USED ONLY FOR DEPTHS LESS THAN 5' FROM MANHOLE TOP TO SEWER PIPE SHELF AS APPROVED BY THE DISTRICT.
2. FLAT TOP SHALL BE DESIGNED FOR H-20 LOADING.
3. ALL SECTIONS TO BE WASHED TO REMOVE ANY LOOSE MATERIAL.
4. PRECAST MANHOLE SECTIONS AND GRADE RINGS SHALL BE SEALED WITH CS-102B BUTYL/BITUMEN BLENDED SEALANT AS MANUFACTURED BY CONSEAL OF NEW CARLISLE, OHIO OR DISTRICT APPROVED EQUAL TO FORM WATERTIGHT JOINTS.
5. CONCRETE FOR MANHOLE SECTIONS 4000 P.S.I. MIN CLASS "AA".
6. PROVIDE ARC REPAIR COUPLING OR EQUAL JOINT IN VCP SEWER PIPES OUTSIDE OF MANHOLE BUT WITHIN 12" OF CONCRETE BASE.
7. PROVIDE RUBBER WATERSTOPS FOR PLASTIC PIPE CONNECTIONS. SHELF & GROOVE SHALL BE FORMED MONOLITHICALLY WITH THE MANHOLE BASE. CHANNELS TO BE SMOOTH FINISH.
8. MANHOLE SHALL BE VACUUM TESTED PER DISTRICT SPECIFICATIONS.

JURUPA COMMUNITY SERVICES DISTRICT

| | | |
|---|------------------------------------|-------------|
| SCALE: NONE | PRECAST SHALLOW MANHOLE | DRAWING NO. |
| DATE: JANUARY 2026 | | S-15 |
| APPROVED BY: | APPROVED BY: | |
| Jesse Pompa, Dir. Of Eng. & Wtr Resources | Matthew Abel, Dir. Of Ops. | |



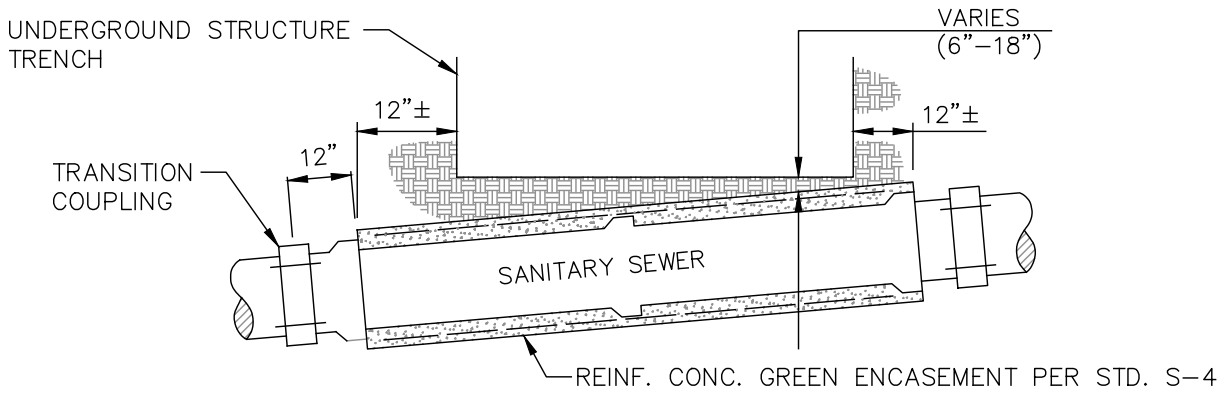
CASE 1



SECTION C-C

CASE 1 NOTES:

1. WHERE CLEARANCE BETWEEN BOTTOM OF UNDERGROUND PIPE OR STRUCTURE AND TOP OF SANITARY SEWER IS LESS THAN 6" CASE 1 APPLIES.
2. SANITARY SEWER SHALL BE IN CONFORMANCE WITH DISTRICT SPECIFICATIONS AS FOLLOWS:
 - A. SDR 35 FOR UP TO 8'FT.
 - B. SDR 26 FOR UP TO 15'FT.
 - C. HDPE WITH EITHER SDR WITH NO JOINTS WITH INNER BEAD REMOVED.



CASE 2

CASE 2 NOTE:

1. WHERE CLEARANCE BETWEEN BOTTOM OF UNDERGROUND PIPE OR STRUCTURE AND TOP OF SEWER IS 6" TO 18", CASE 2 APPLIES.

GENERAL NOTES:

1. THIS STANDARD APPLIES TO LOADING PIPE PROTECTION CASES.
2. NO JOINTS UNDER CROSSINGS AND STRUCTURES.

JURUPA COMMUNITY SERVICES DISTRICT

SCALE: NONE

DATE: JANUARY 2026

SEWER PROTECTION DETAIL

DRAWING NO.

S-16

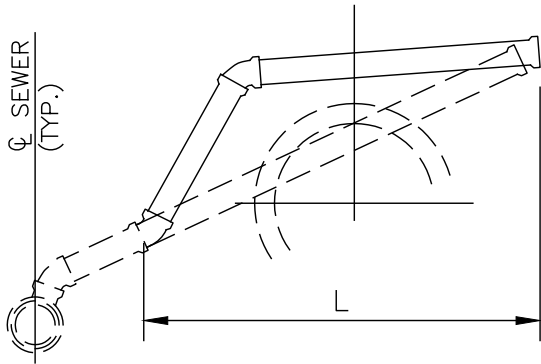
REV.

APPROVED BY:

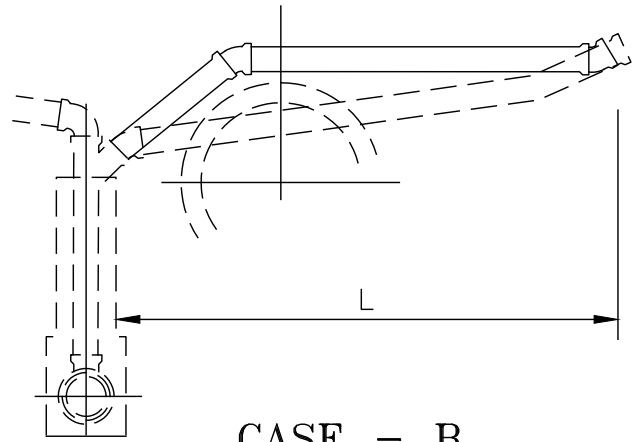
Jesse Pompa, Dir. Of Eng. & Wtr Resources

APPROVED BY:

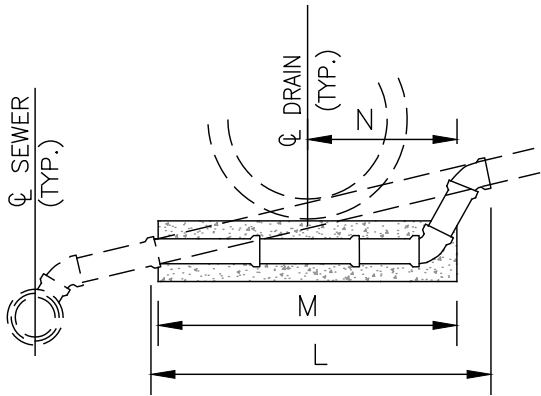
Matthew Abel, Dir. Of Ops.



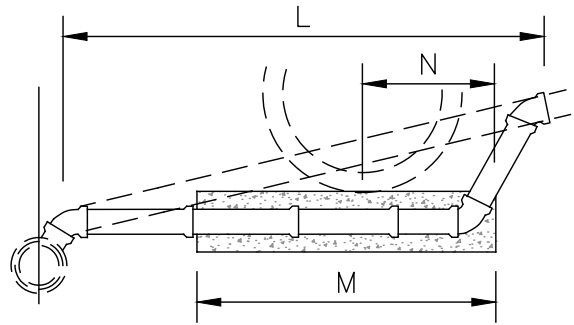
CASE - A



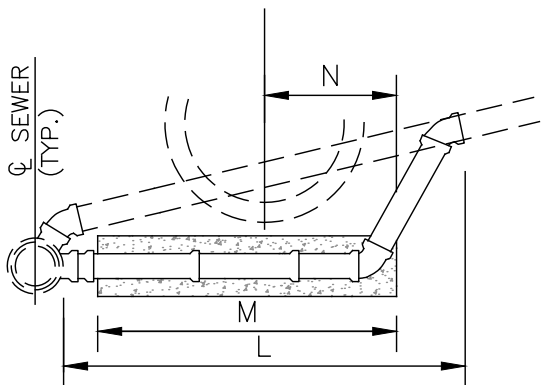
CASE - B



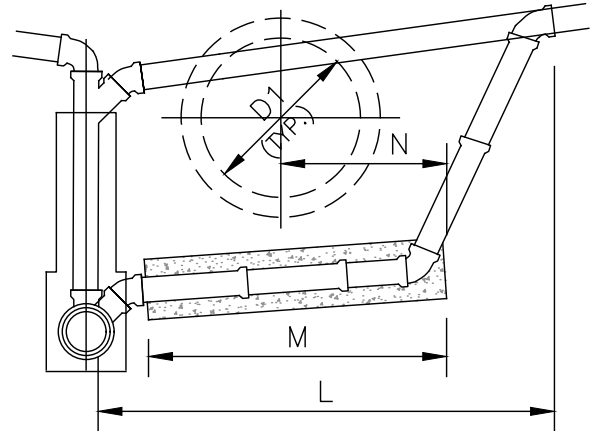
CASE - C



CASE - D



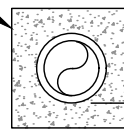
CASE - E



CASE - F

SEE SHEET 2 OF 2 FOR
NOTES AND DESCRIPTION OF
CASES

CLASS "AA"
CONC.
(4000 PSI)



CROSS SECTION OF CONCRETE
REINFORCEMENT FOR PIPE,
SEE J.C.S.D. STD. NO. S-4

6" (TYP)

JURUPA COMMUNITY SERVICES DISTRICT

SCALE: NONE

DATE: JANUARY 2026

REMODELING DETAILS FOR SEWER LATERALS

DRAWING NO.

S-17

SHEET 1 OF 2

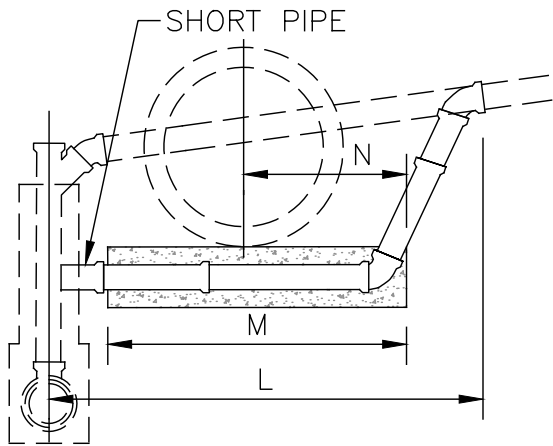
REV.

APPROVED BY:

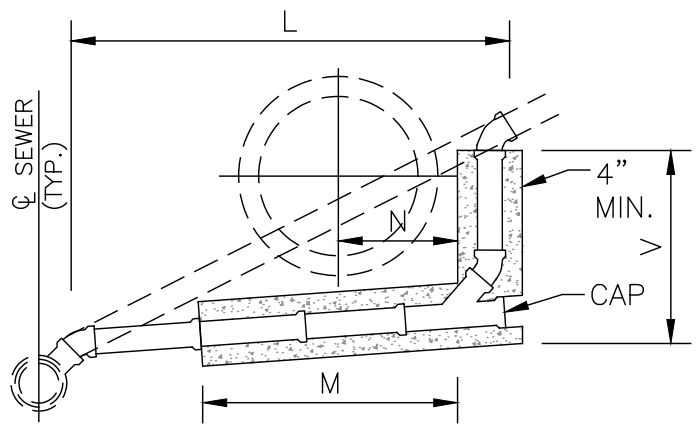
Jesse Pompa, Dir. Of Eng. & Wtr Resources

APPROVED BY:

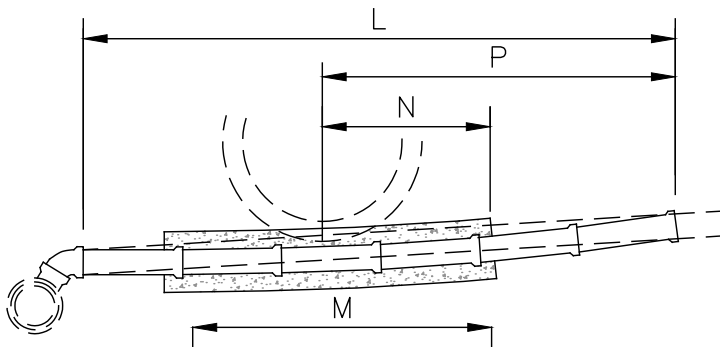
Matthew Abel, Dir. Of Ops.



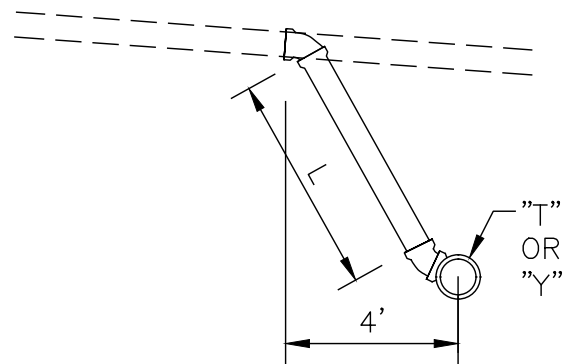
CASE - G



CASE - H



CASE - K



CASE - R

NOTES:

1. THESE DETAILS DO NOT APPLY TO CONFLICTS BETWEEN SEWER LATERALS AND WATERLINES.
2. EXISTING PIPES ARE INDICATED BY BROKEN LINES.
3. PIPES TO BE CONSTRUCTED ARE INDICATED BY SOLID LINES.
4. ALL PIPE DIAMETERS SHALL MATCH EXISTING LATERAL.
5. ALL BENDS SHALL BE 1/8 BENDS UNLESS SPECIFIED OTHERWISE.
6. CONCRETE REINFORCEMENT, CROSS SECTION SHOWN ON SHEET 1, SHALL BE USED ON ALL PIPES TO BE CONSTRUCTED UNDER STORM DRAIN, TOP PORTION WITHIN 1" OF STORM DRAIN TO BE OMITTED.
7. DIMENSIONS:
 L - IS SPECIFIED ON PLAN AS THE AVERAGE TOTAL LENGTH.
 M - (d, + 24") LESS ENOUGH TO AVOID A FRACTION OF A FOOT.
 N - 1/2 M, EXCEPT WHERE SPECIFIED OTHERWISE ON PLAN.
 P - (CASE K) IS SPECIFIED WHERE L DOES NOT EXTEND TO THE BEND.
 V - (CASE H) IS SPECIFIED TO THE NEAREST FOOT AND IN SUMMARY IS ITEMIZED AS CONCRETE REINFORCEMENT FOR 6" PIPE.
8. NEW CONNECTION TO MAIN LINE SHALL CONFORM TO J.C.S.D. STD. DWG. S-5.

CASES:

- A. ABOVE DRAIN TO HOUSE CONNECTION-SPECIALS REQUIRED: 2 1/8 BENDS.
- B. ABOVE DRAIN TO CHIMNEY - 2 1/8 BENDS.
- C. BELOW DRAIN TO HOUSE CONNECTION-2 1/8 BENDS.
- D. BELOW DRAIN TO "Y" - 3 1/8 BENDS.
- E. BELOW DRAIN TO FLAT SADDLE - 3 1/8 BENDS, 1 SADDLE.
- F. BELOW DRAIN TO SADDLE - 3 1/8 BENDS, 1 SADDLE.
- G. BELOW DRAIN TO CHIMNEY - 2 1/8 BENDS.
- H. BELOW DRAIN TO "Y" - 3 1/8 BENDS, 1 "Y".
- K. BELOW DRAIN TO HOUSE CONNECTION, SLOPE SLIGHTLY MODIFIED.
- R. CONNECTION WITH NEW SEWER - 2 1/8 BENDS WITH "Y" - 14" 1/8 BEND WITH "T".

JURUPA COMMUNITY SERVICES DISTRICT

SCALE: NONE

DATE: JANUARY 2026

REMODELING DETAILS FOR SEWER LATERALS

DRAWING NO.

S-17

SHEET 2 OF 2

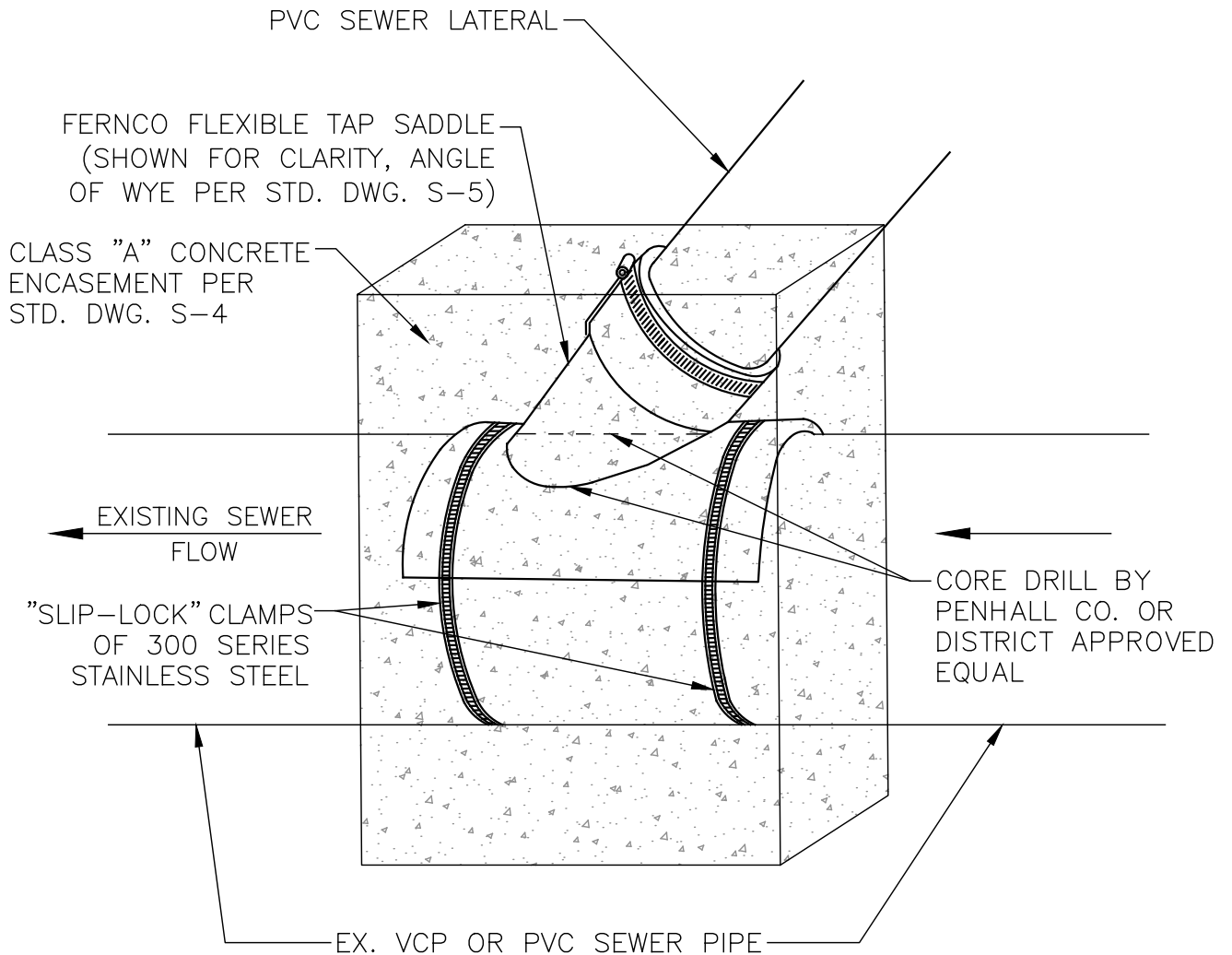
REV.

APPROVED BY:

Jesse Pompa, Dir. Of Eng. & Wtr Resources

APPROVED BY:

Matthew Abel, Dir. Of Ops.



NOTES:

1. NO TAPPING OF EXISTING SEWER MAINS WILL BE ALLOWED WITHOUT SPECIFIC APPROVAL BY DISTRICT. IF APPROVAL IS GRANTED, WORK SHALL BE PERFORMED UNDER CONTINUOUS DISTRICT INSPECTION.
2. MAXIMUM SEWER MAIN SIZE FOR TAPPING SHALL BE 15" DIA., UNLESS OTHERWISE APPROVED BY DISTRICT.
3. THE ANGLE OF THE WYE CONNECTION SHALL BE PER STD. DWG. S-5.

JURUPA COMMUNITY SERVICES DISTRICT

SCALE: NONE

DATE: JANUARY 2026

SEWER LATERAL TAPPING TO EXISTING VCP OR PVC MAIN

DRAWING NO.

S-18

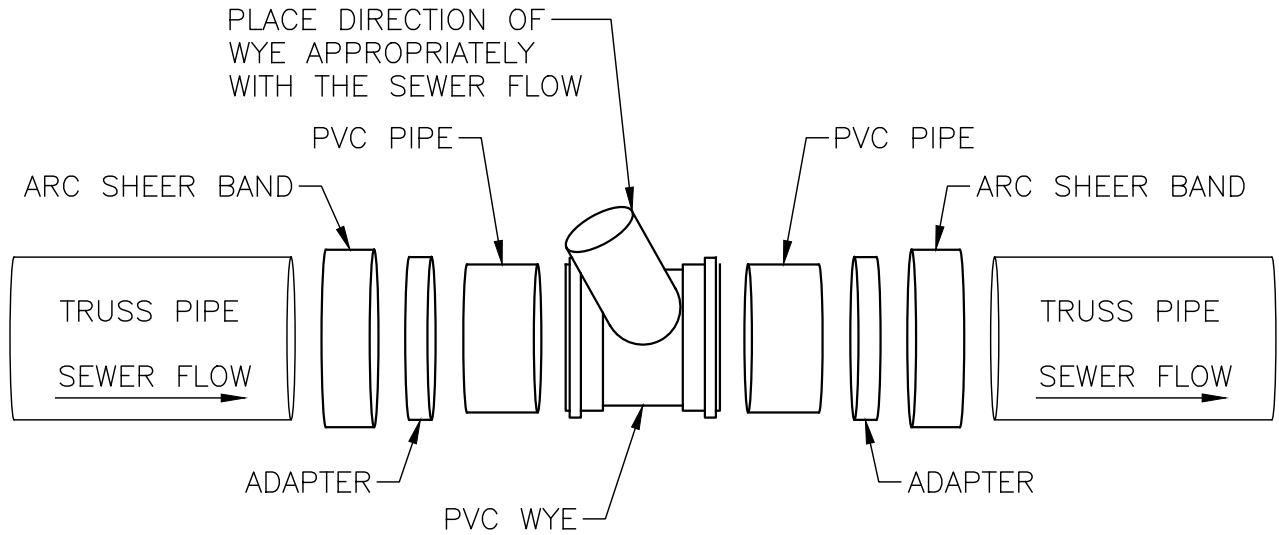
REV.

APPROVED BY:

Jesse Pompa, Dir. Of Eng. & Wtr Resources

APPROVED BY:

Matthew Abel, Dir. Of Ops.



NOTES:

1. NO TAPPING OF EXISTING SEWER MAINS WILL BE ALLOWED WITHOUT SPECIFIC APPROVAL BY DISTRICT. IF APPROVAL IS GRANTED, WORK SHALL BE PERFORMED UNDER CONTINUOUS DISTRICT INSPECTION.
2. MAXIMUM SEWER MAIN SIZE FOR TAPPING SHALL BE 15" DIA., UNLESS OTHERWISE APPROVED BY DISTRICT.
3. WIRE BRUSH 1/4" IN FROM THE END OF PIPE. AFTER WIRE BRUSHING, APPLY A TWO PART EPOXY TO SEAL THE ENDS OF THE PIPES.
4. USE DISTRICT APPROVED TWO PART EPOXY J-B WELD NO. 8280 SPEC. ON EXPOSED HONEYCOMB ENDS AND ALLOW TO SET PRIOR TO ASSEMBLY.

JURUPA COMMUNITY SERVICES DISTRICT

| | | |
|---|---|-----------------------------|
| SCALE: NONE | SEWER LATERAL TAPPING TO EXISTING TRUSS MAIN | DRAWING NO. S-18A |
| DATE: JANUARY 2026 | | |
| APPROVED BY: Jesse Pompa, Dir. Of Eng. & Wtr Resources | APPROVED BY: Matthew Abel, Dir. Of Ops. | |

REV.

STANDARD DRAWING NO. S-18B DELETED

JURUPA COMMUNITY SERVICES DISTRICT

SCALE: NONE

DATE: JANUARY 2026


SEWER LATERAL TAPPING
TO EXISTING PVC MAIN

DRAWING NO.

S-18B

REV.

APPROVED BY:



Jesse Pompa, Dir. Of Eng. & Wtr Resources

APPROVED BY:



Matthew Abel, Dir. Of Ops.

STANDARD DRAWING NO. S-18 DELETED

JURUPA COMMUNITY SERVICES DISTRICT

SCALE: NONE

DATE: JANUARY 2026

SEWER LATERAL CONNECTION
TO EXISTING MAIN

DRAWING NO.

S-18

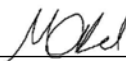
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APPROVED BY:

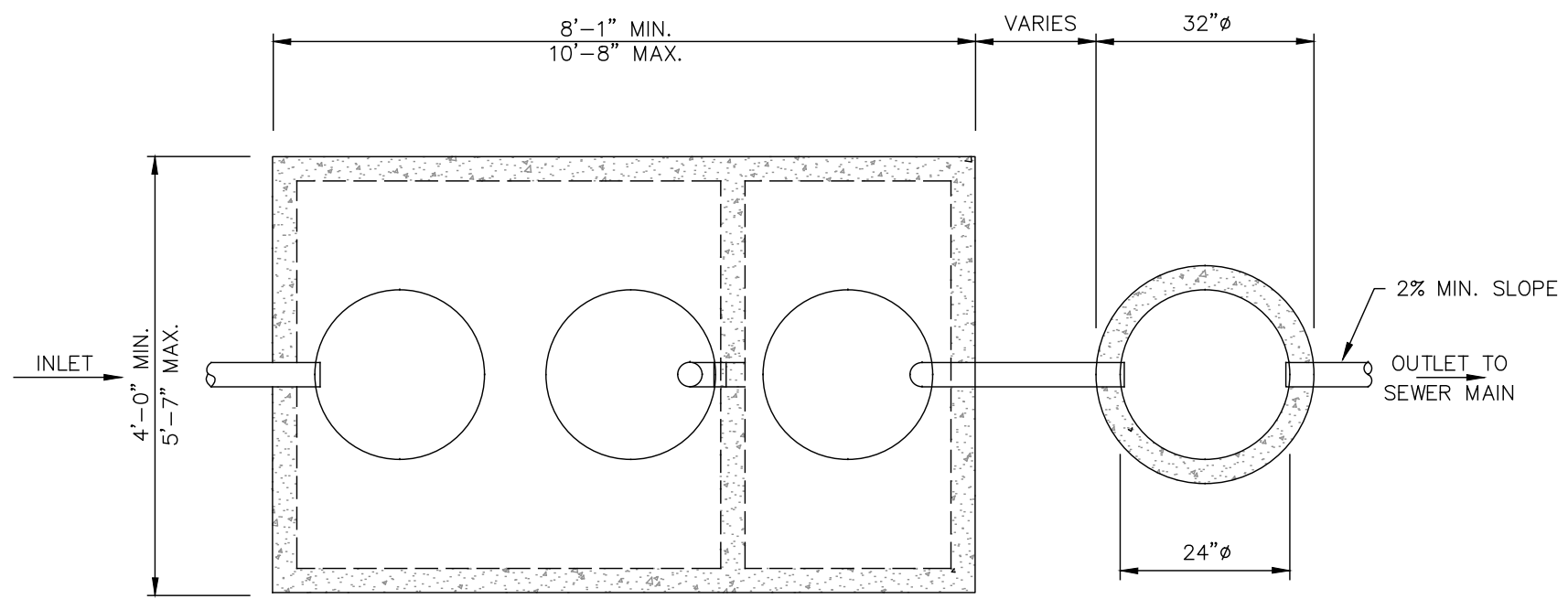


Jesse Pompa, Dir. Of Eng. & Wtr Resources

APPROVED BY:

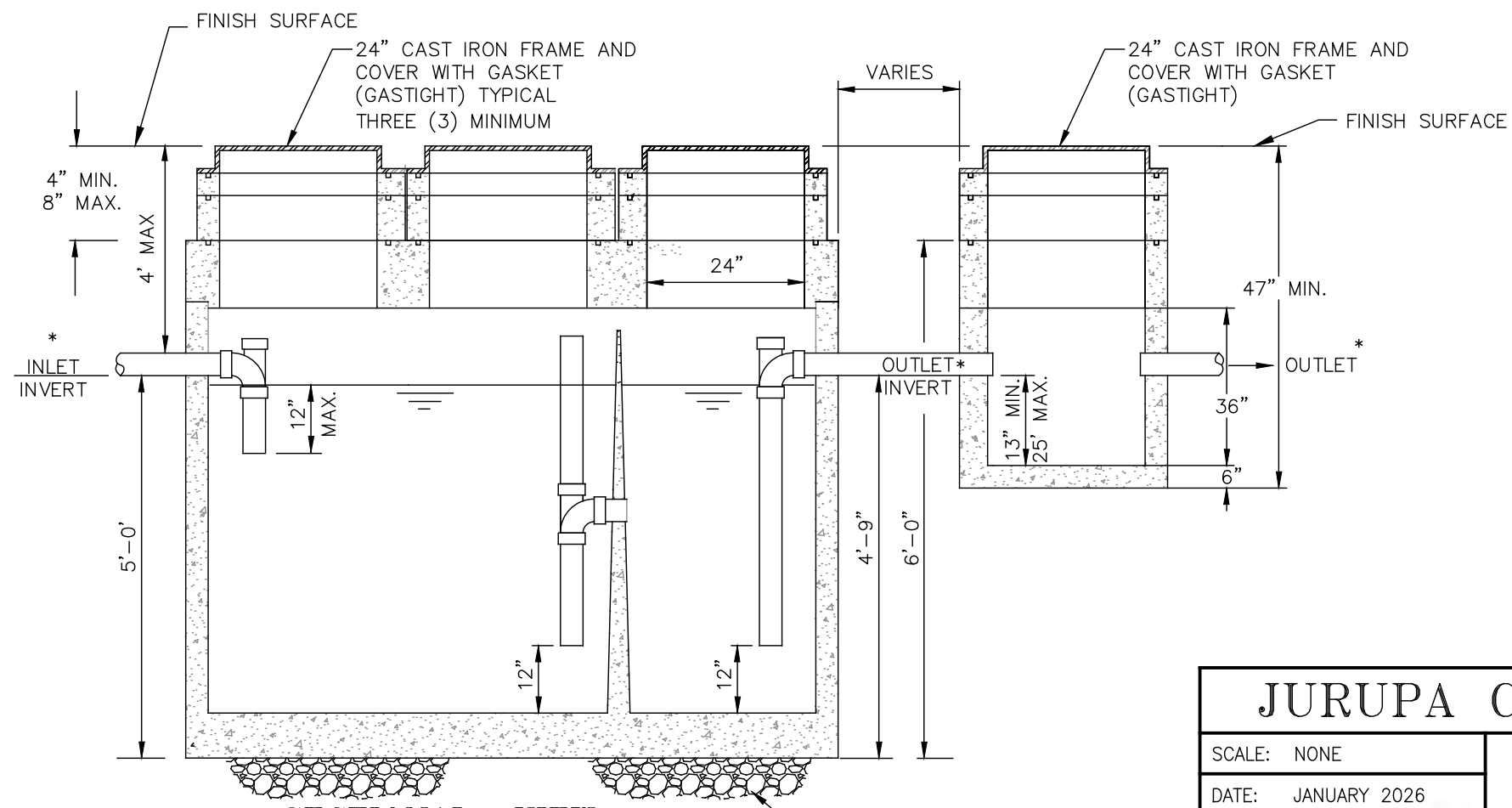


Matthew Abel, Dir. Of Ops.



PLAN VIEW

N.T.S.



SECTIONAL VIEW

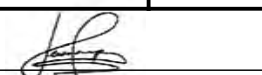
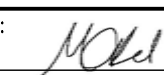
N.T.S.

PROVIDE 6" THICK, 3/4" DIA CRUSHED ROCK BASE

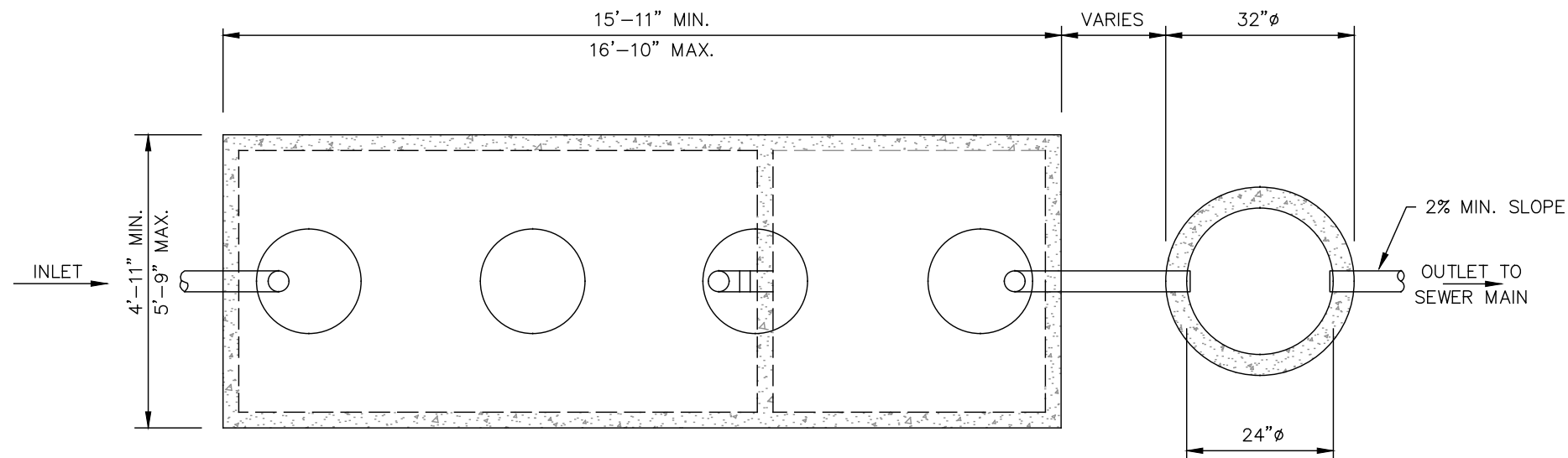
NOTES :

1. DOMESTIC SEWAGE CONNECTION IS TO BE MADE DOWNSTREAM OF GRAVITY SEPARATOR SAMPLE BOX.
2. PRECAST CONCRETE VAULT INCLUDING TOP AND COVERS TO BE DESIGNED FOR A MINIMUM H-20 TRAFFIC LOADING. SQUARE COVERS ARE NOT ACCEPTABLE.
3. ALL PIPE AND FITTINGS TO BE CAST IRON OR PVC PIPE.
4. THE REQUIRED CAPACITY FOR THE GRAVITY SEPARATOR SHALL BE BASED UPON APPENDIX H OF THE UNIFORM PLUMBING CODE.
5. WASTE DISCHARGE APPLICANT IS RESPONSIBLE FOR THE PURCHASE, INSTALLATION, OPERATION AND MAINTENANCE OF THE GRAVITY SEPARATOR.
6. APPROVED SUPPLIERS FOR GRAVITY SEPARATOR
A. PYRAMID PRECAST CO., INC. RIALTO, CA.
B. JENSEN PRECAST CO. FONTANA, CA.
7. LOCATION OF GRAVITY SEPARATOR IS SUBJECT TO APPROVAL BY DISTRICT.
8. PROVIDE LABEL INDICATING MANUFACTURER OF GRAVITY SEPARATOR AND CONFORMANCE TO U.P.C.
9. SAMPLE BOX IS REQUIRED.
10. GRADE RING JOINTS ARE TO BE SEALED WITH 1:2 MORTAR, TRIMMED TO A SMOOTH FINISH INSIDE AND OUT.
11. THE MANHOLE FRAME IS TO BE SEALED WITH AND SECURED BY A MORTAR RING.
12. FOR GREASE INTERCEPTOR STRUCTURE, MINIMUM OF 3 MANHOLES REQUIRED, ONE MANHOLE PLACED OVER EACH PIPE (INLET, MIDDLE AND OUTLET PIPE).

JURUPA COMMUNITY SERVICES DISTRICT

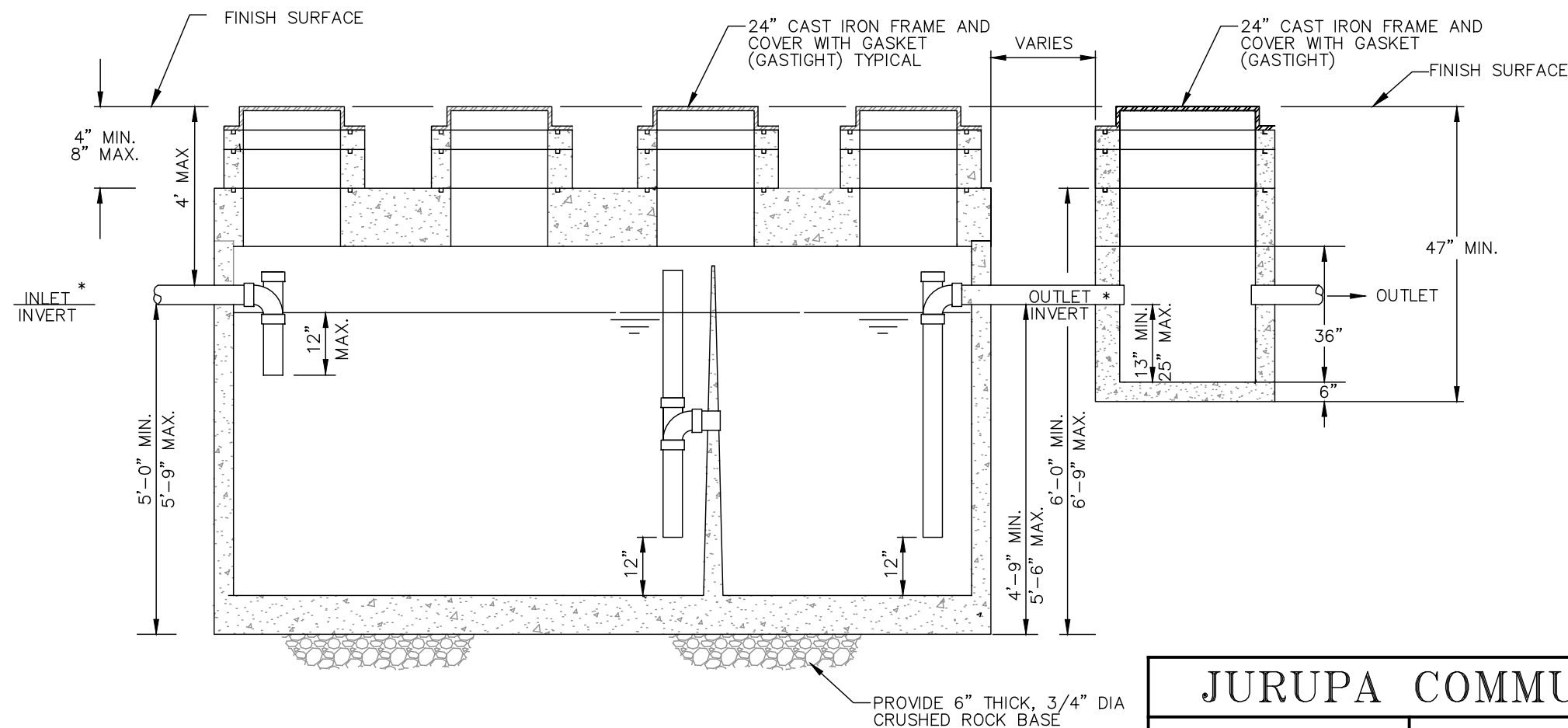
| | | |
|--|--|-------------|
| SCALE: NONE | GREASE INTERCEPTOR 750 GAL. TO 1500 GAL. | DRAWING NO. |
| DATE: JANUARY 2026 | | S-19 |
| APPROVED BY:  | APPROVED BY:  | |
| Jesse Pompa, Dir. Of Eng. & Wtr Resources | Matthew Abel, Dir. Of Ops. | |

REV.



PLAN VIEW

N.T.S.



SECTIONAL VIEW

N.T.S.

NOTES:

1. DOMESTIC SEWAGE CONNECTION IS TO BE MADE DOWNSTREAM OF GRAVITY SEPARATOR SAMPLE BOX.
2. PRECAST CONCRETE VAULT INCLUDING TOP AND COVERS TO BE DESIGNED FOR A MINIMUM H-20 TRAFFIC LOADING. SQUARE COVERS ARE NOT ACCEPTABLE.
3. ALL PIPE AND FITTINGS TO BE CAST IRON OR PVC PIPE.
4. THE REQUIRED CAPACITY FOR THE GRAVITY SEPARATOR SHALL BE BASED UPON APPENDIX H OF THE UNIFORM PLUMBING CODE.
5. WASTE DISCHARGE APPLICANT IS RESPONSIBLE FOR THE PURCHASE, INSTALLATION, OPERATION AND MAINTENANCE OF THE GRAVITY SEPARATOR.
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A. PYRAMID PRECAST CO., INC. RIALTO, CA.
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7. LOCATION OF GRAVITY SEPARATOR IS SUBJECT TO APPROVAL BY DISTRICT.
8. PROVIDE LABEL INDICATING MANUFACTURE OF GRAVITY SEPARATOR AND CONFORMANCE TO U.P.C.
9. SAMPLE BOX IS REQUIRED.
10. GRADE RING JOINTS TO BE SEALED WITH 1:2 MORTAR, TRIMMED TO A SMOOTH FINISH INSIDE AND OUT.
11. THE MANHOLE FRAME IS TO BE SEALED WITH AND SECURED BY A MOTAR RING.

* INVERT ELEVATION SHALL BE AS SHALLOW AS POSSIBLE, NOT DEEPER THAN 4' FROM FINISH SURFACE ELEVATION.

JURUPA COMMUNITY SERVICES DISTRICT

| | | |
|--|--|-------------|
| SCALE: NONE | GREASE INTERCEPTOR 2000 GAL. TO 3000 GAL. | DRAWING NO. |
| DATE: JANUARY 2026 | | S-20 |
| APPROVED BY:  | APPROVED BY:  | |
| Jesse Pompa, Dir. Of Eng. & Wtr Resources | Matthew Abel, Dir. Of Ops. | |

REV.

FRAME & COVER SETTING CONDITIONS

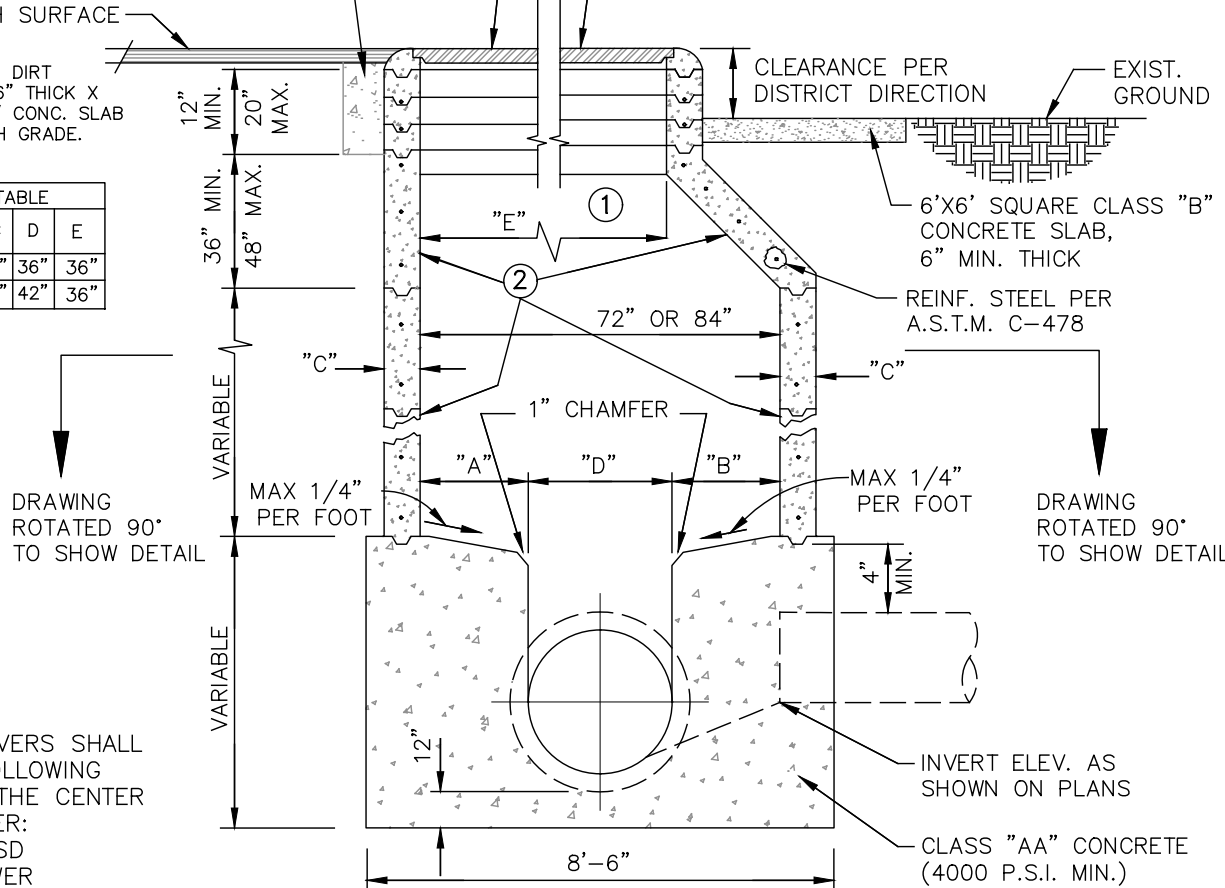
1' WIDE CLASS "A" FIBER MODEL NO.: SIKA FIBERMESH 150 REINFORCED BLACK IN COLOR CONCRETE COLLAR TO FULL DEPTH OF GRADE RINGS SEE NOTE 10

* FOR MANHOLES IN DIRT ROADWAYS, ADD 6" THICK X 6'-0" SQ. CL. "B" CONC. SLAB FLUSH WITH FINISH GRADE.

| DIMENSION TABLE | | | | |
|-----------------|-----|-----|----|-----|
| PIPE SIZE | A | B | C | E |
| 36" | 20" | 16" | 8" | 36" |
| 42" | 20" | 10" | 8" | 42" |

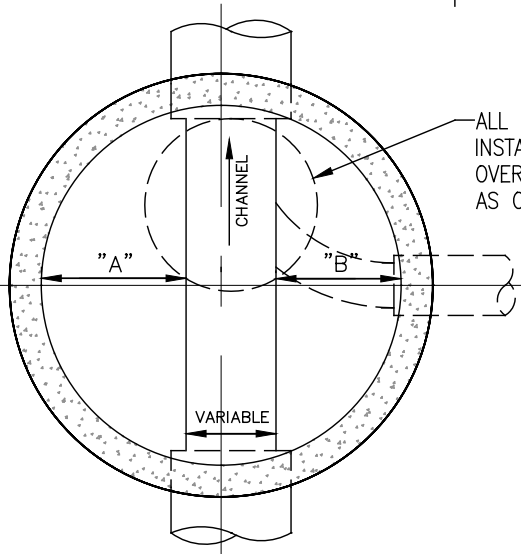
*DETAIL FOR MANHOLES IN PAVED OR DIRT ROADWAY. DETAIL FOR MANHOLES IN EASEMENT.

SEE MANHOLE COVER NOTES ON SHEET 2



MANHOLE COVERS SHALL HAVE THE FOLLOWING WRITING ON THE CENTER OF THE COVER:
JCS
SEWER

| ITEM | COATING & LINING SCHEDULE |
|------|--|
| 1 | ALL EXPOSED INTERIOR SURFACES OF MANHOLE BASE TO BE COATED WITH KOPPERS 300-M, COAL TAR EPOXY PER MANUFACTURERS RECOMMENDATIONS, OR APPROVED EQUAL. |
| 2 | ALL EXPOSED INTERIOR SURFACES OF MANHOLE SHAFT, CONE, AND GRADE RINGS TO BE LINED WITH UTILITHANE 1600 POLYURETHANE COATING (WHITE) AS MANUFACTURED BY UTILITHANE POLYURETHANES. MIN 150 MILS THICKNESS. |
| 3 | PRIMER COAT TO BE UTILITHANE LTE 900 PRIMER FOR CONCRETE SUBSTRATES. |
| 4 | REFER TO SPECIFICATIONS FOR DETAILS, PREPARATION, AND APPLICATIONS. |



ALL MANHOLE TOPS SHALL BE INSTALLED WITH MANHOLE COVER OVER LONG SIDE SHELF, EXCEPT AS OTHERWISE NOTED

JURUPA COMMUNITY SERVICES DISTRICT

SCALE: NONE

72" AND 84" DIA. PRECAST CONCRETE MANHOLE (LINED)

DRAWING NO.

DATE: JANUARY 2026

S-21

REV.

APPROVED BY:

Jesse Pompa, Dir. Of Eng. & Wtr Resources

APPROVED BY:

Matthew Abel, Dir. Of Ops.

SHEET 1 OF 3

NOTES:

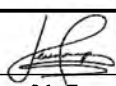
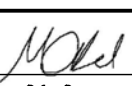
1. ALL SECTIONS TO BE WASHED TO REMOVE ANY LOOSE MATERIAL. PRECAST MANHOLE SECTIONS AND GRADE RINGS SHALL BE SEALED WITH CS-102B BUTYL/BITUMEN BLENDED SEALANT AS MANUFACTURED BY CONSEAL OF NEW CARLISLE, OHIO OR DISTRICT APPROVED EQUAL TO FORM WATERTIGHT JOINTS.
2. CONCRETE FOR MANHOLE SECTIONS SHALL BE CLASS "AA" 4,000 P.S.I. MIN.
3. PROVIDE REPAIR BAND COUPLING WITH ADJUSTABLE SHIELDED S.S. SHEAR RING JOINT IN ALL V.C.P. SEWER PIPES OUTSIDE OF MANHOLE BUT WITHIN 12" OF CONCRETE BASE.
4. WHEN INSTALLING REINFORCED CONCRETE GRADE RING(S) 3"-6" THE GRADE RINGS MUST BE CLEAN AND ANCHORED TO BOTH THE FRAME AND GRADE RING(S) OR CONE WITH A SUITABLE EPOXY OR OTHER METHOD AS APPROVED BY THE DISTRICT.
5. MORTAR AROUND AND UNDER FRAME SHALL BE CURED WITH A PIGMENTED CURING COMPOUND MEETING REQUIREMENTS OF SECTION 90-7 OF STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS, LATEST EDITION.
6. FOR PVC CONNECTIONS TO EXISTING AND NEW PRECAST REINFORCED CONCRETE MANHOLES. A HOLE SPECIFIC TO THE NEW PIPE'S O.D. DIA. SHALL BE CORED INTO THE CONCRETE MANHOLE WALL TO RECEIVE THE PIPE. A KOR-N-SEAL BOOT OR ENGINEER APPROVED EQUAL SHALL BE CLAMPED INTO THE CORED HOLE AND USED TO MAKE THE CONNECTION.
7. SHELF AND GROOVE SHALL BE FORMED MONOLITHICALLY WITH THE MANHOLE BASE. CHANNELS TO BE SMOOTH FINISH.
8. NO FLY ASH ALLOWED ON CONCRETE COLLAR AS ADDED MIXTURE AGENT.
9. MANHOLE SHALL BE VACUUM TESTED PER DISTRICT SPECIFICATIONS.
10. CONCRETE COLLAR SHALL BE COLORED BLACK WITH TRU HUE-INTEGRAL COLOR BY WALTTOOLS.COM (888-263-5895) WHICH IS AN ADMIXTURE COMPOSED OF IRON OXIDE PIGMENTS PER ASTM C 979 FOR INTEGRALLY COLORED CONCRETE. FOR COLOR BLACK PIGMENT A MINIMUM OF THREE (3) BAGS PER CUBIC YARD OF CONCRETE WILL BE REQUIRED. IF MIXING ON-SITE, ONCE COLOR IS ADDED MAKE SURE THE DRUM TURNS FOR 120 REVOLUTIONS BEFORE PLACEMENT. THE FOLLOWING ARE PRECAUTIONS:
 - DO NOT USE WITH ADMIXTURES CONTAINING CALCIUM CHLORIDE.
 - CERTAIN OXIDE PIGMENTS CAN REDUCE AIR CONTENT.
 - DO NOT CHANGE CEMENT BRANDS IN THE MIDDLE OF A JOB.
 - WATCH SLUMP CLOSELY AS A WARNING FOR WATER CONTENT CHANGE. CHANGES IN WATER CONTENT WILL CAUSE COLOR VARIATIONS

MANHOLE COVER NOTES:

UNLESS OTHERWISE SPECIFIED BY THE DISTRICT, MANHOLE COVER AND FRAME SHALL BE CAST IRON, SOUTH BAY FOUNDRY, SBF 1254 (24") AND SBF 1251 (36") OR APPROVED EQUAL.

COMPOSITE MATERIAL COVER AND FRAME PER DISTRICT DIRECTION AND OR APPROVAL. COMPOSITE MATERIAL COVER AND FRAME SHALL BE EJ SERIES, (30") 3200 AND (36") 3800 WITH FOUR (4) TITUS TWISTLIFT TITANIUM STEEL LOCKS (SEE SHEET 3 OF 3 OF S-7 FOR TITUS TWISTLIFT SPECS), PER COVER. "NOTE" AFTER SETTING A COMPOSITE FRAME IN PLACE AND PRIOR TO POURING THE CONCRETE COLLAR AND/OR CONCRETE SLAB, INSTALL ONE (1) #4 REBAR SHAPED INTO A FULL CIRCLE THREE (3") INCHES LARGER IN O.D. THAN THE COMPOSITE FRAME. AFTER FORMING THE #4 REBAR CIRCLE, IT SHALL THAN BE SET TO THREE (3") INCHES BELOW THE FRAME RIM ELEVATION THEN ENCAPSULATED IN THE CONCRETE COLLAR AND/OR CONCRETE SLAB.

JURUPA COMMUNITY SERVICES DISTRICT

| | | |
|--|--|----------------------------|
| SCALE: NONE | 72" AND 84" DIA. PRECAST CONCRETE MANHOLE (LINED) | DRAWING NO. S-21 |
| DATE: JANUARY 2026 | | SHEET 2 OF 3 |
| APPROVED BY:  Jesse Pompa, Dir. Of Eng. & Wtr Resources | APPROVED BY:  Matthew Abel, Dir. Of Ops. | |

REV.

SPECIAL MANHOLE COVER CONDITIONS

1. FOR MANHOLES IN EASEMENTS, UNPAVED AREAS, OR ANY AREA WHERE SECURITY IS A DISTRICT CONCERN BUT WATER INFLOW IS NOT AN ISSUE USE EJ SERIES OR APPROVED EQUAL.
2. FOR MANHOLES IN EASEMENTS, UNPAVED AREAS, STREET OR ANY AREA WHERE WATER INFLOW IS A POTENTIAL ISSUE AND/OR WHERE SECURITY IS A DISTRICT CONCERN AND WHEN DIRECTED AND APPROVED BY DISTRICT, USE DISTRICT STANDARD DRAWING NO. S-23.

FIBERMESH NOTES:

SIKA FIBERMESH 150 APPLICATION

1. RECOMMENDED DOSAGE -THE DOSAGE OF THE SIKA®FIBERMESH®-150 WILL VARY ACCORDING TO THE TYPE OF APPLICATION AND PERFORMANCE REQUIREMENTS. STANDARD RECOMMENDED DOSAGE RATIO OF SIKA®FIBERMESH®-150 IS BETWEEN 0.75 TO 1.5 LBS/CU YD OF CONCRETE.
2. MIXING -SIKA®FIBERMESH®-150 IN DEGRADABLE BAG CAN BE ADDED DIRECTLY TO THE CONCRETE MIXING SYSTEM AFTER THE BATCHING OF THE OTHER INGREDIENTS AND MIXED FOR 4 TO 5 MINUTES OR 70 REVOLUTIONS.
3. APPLICATION -THE ADDITION OF SIKA®FIBERMESH®-150 AT THE NORMAL RECOMMENDED DOSAGE RATE DOES NOT REQUIRE ANY MIX DESIGN OR APPLICATION CHANGES. THE FIBER CONCRETE CAN BE MIXED, SPRAYED OR PLACED USING CONVENTIONAL EQUIPMENT.
4. TOOLING & FINISHING -SIKA®FIBERMESH®-150 CAN BE FINISHED BY MOST FINISHING TECHNIQUES AS INDICATED IN ACI-302.

TITUS TWISTLIFT LOCK:

1. THE TITUS® TWISTLIFT® BOLT SHALL BE MACHINED FROM TITANIUM STEEL.
2. THE BOLT FEATURES A DOMED HEAD WITH 3 EQUALLY SPACED 'J' SLOTS RUNNING HORIZONTALLY AROUND THE BOLT HEAD. A FLAT IS MACHINED ON THE TOP TO EXTEND THE LIFE OF THE DEBRIS PLUGS. AN INDICATOR LINE IS ALSO MACHINED INTO THE HEAD.
3. STANDARD BOLT SIZES ARE ½" 20 THREAD PER INCH (TPI) WITH A FLAT MACHINED ON TWO SIDES TO ENGAGE PADDLE. PADDLE STOP ASSEMBLY AND KNURLED PINS ARE 316 SS. LONG NOSE QUARTER TURN PADDLES ARE 316 SS.
4. THE LOCK STOP IS A 316 SS INVESTMENT CASTING PINNED TO THE COVER WITH A 1/2" HOLE TO ACCOMMODATE THE TWISTLIFT BOLT.
5. THE BOLT AND PADDLE WILL BE ASSEMBLED USING A STANDARD 316 SS ½" X 20 TPI NUT WITH THIN SS WASHER COATED IN ANTI-SEIZE. NUT SHOULD BE TORQUED TO ABOUT 35 FT/LBS. THIS PROVIDES FOR THE CONSISTENT TURNING RESISTANCE OF THE LOCK ASSEMBLY. A SECOND 316 SS LOCK NUT IS USED AS A JAM NUT, AND TORQUED TO 90 FT. LBS. WHILE HOLDING THE BOTTOM NUT STATIONARY. RED LOCKTITE® OR EQUIVALENT SHOULD BE LIBERALLY USED PRIOR TO ASSEMBLY.
6. THE BOLT WILL BE OPERATED BY MEANS OF A SPECIALLY MADE OPENING KEY CONSISTING OF A SPECIAL SOCKET ATTACHED TO A 'T' HANDLE USED TO BOTH TURN THE BOLT, AND LIFT OUT THE COVER.
7. REPLACEMENT OPENING KEYS ARE ONLY AVAILABLE THROUGH TITUS® WASTEWATER SOLUTIONS, INC.
8. THE BOLT HEAD IS PROTECTED BY A WEATHER RESISTANT PLASTIC DEBRIS CAP. THE CAP IS INCLUDED WITH EACH LOCK.

JURUPA COMMUNITY SERVICES DISTRICT

SCALE: NONE

DATE: JANUARY 2026

**72" AND 84" DIA. PRECAST CONCRETE MANHOLE
(LINED)**

DRAWING NO.

S-21

SHEET 3 OF 3

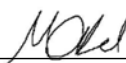
REV.

APPROVED BY:



Jesse Pompa, Dir. Of Eng. & Wtr Resources

APPROVED BY:



Matthew Abel, Dir. Of Ops.

STANDARD DRAWING NO. S-22 DELETED

JURUPA COMMUNITY SERVICES DISTRICT

SCALE: NONE

DATE: JANUARY 2026

2" SEWAGE AIR VALVE DETAIL

DRAWING NO.
S-22

REV.

APPROVED BY:



Jesse Pompa, Dir. Of Eng. & Wtr Resources

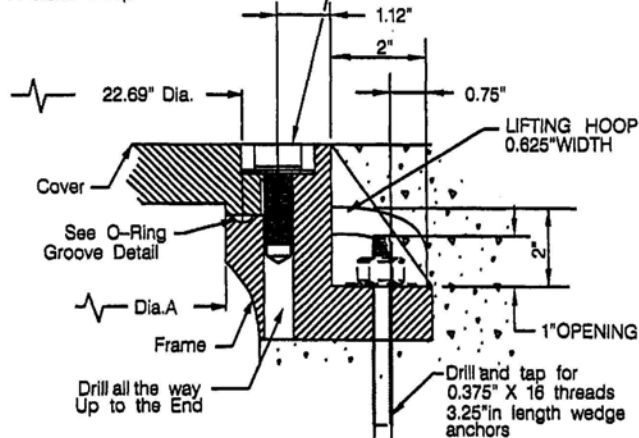
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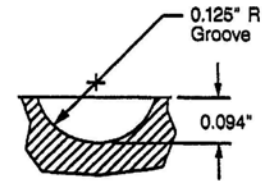
Matthew Abel, Dir. Of Ops.

NOTE: DISTRICT DIRECTED USE ONLY

Drill and tap for 0.625" X 20 Penta Bolt S/S UNC Thread, 1.50" Deep Cbore 1.625" Dia. X 0.625" Deep

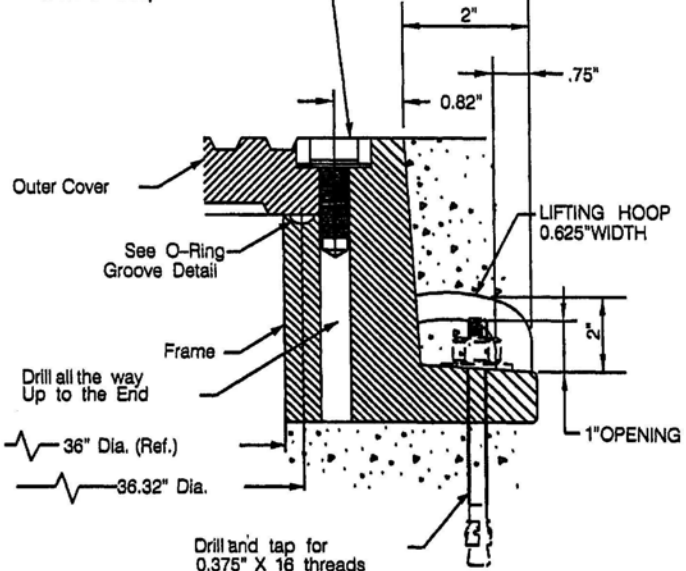


**M-1 Detail:
COVER TO FRAME**

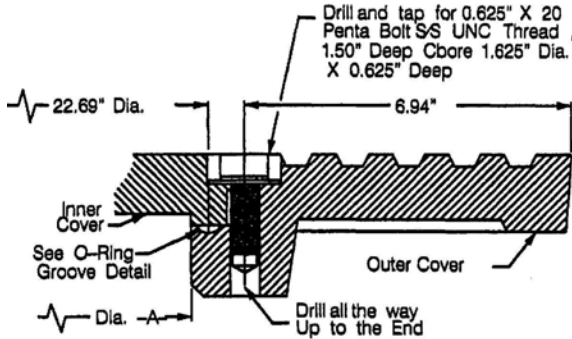


**NEOPRENE O-RING
GROOVE DETAIL**

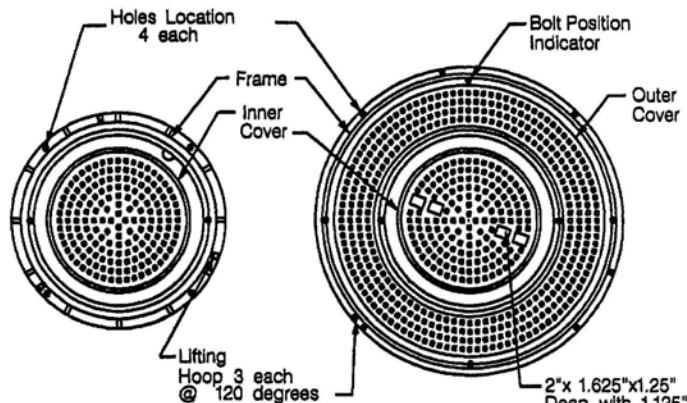
Drill and tap for 0.625" x 20 Penta Bolt S/S UNC Thread. 1.50" deep Cbore 1.625" Dia. x 0.625" Deep



**M-3B Detail:
OUTER COVER TO FRAME**



**M-3A Detail:
INNER COVER TO OUTER COVER**



**M-1 COVER AND FRAME
BOLT PLACEMENT
(See Note 3)**

**M-3 CONCENTRIC COVERS AND FRAME
BOLT PLACEMENT
(See Note 3)**

NOTES:

- 0.625" X 20 PENTA BOLT S/S UNC THREAD, 316 STAINLESS STEEL SOCKET HEAD CAP SCREW AND 1.50" O.D. x 0.687" I.D. X 0.078 THICK 316 STAINLESS STEEL WASHER.
 - 0.25" NE PENTA HEAD ASKET SHALL BE GLUED INTO MACHINED GROOVE. GLUE SHALL MEET THE REQUIREMENTS OF MIL-M-81288
 - BOLTDOWN PATTERNS:
 - M-1 DETAIL (24" COVER & FRAME): INSTALL TWO (2) BOLTS AT 180 DEGREES.
 - M-3A DETAIL (CONCENTRIC COVERS): BETWEEN INNER AND OUTER COVERS INSTALL TWO (2) BOLTS AT 180 DEGREES.
 - M-3B DETAIL (OUTER COVER & FRAME): BETWEEN OUTER COVER & FRAME INSTALL FOUR (4) BOLTS AT 90 DEGREES.
- FOR M-1 AND M-3 OUTER COVER FRAME DRILL 4 HOLES FOR 0.375"x16 STAINLESS STEEL WEDGE ANCHORS 3.75" IN LENGTH AT 90 DEGREES.

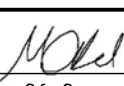
JURUPA COMMUNITY SERVICES DISTRICT

SCALE: NONE
DATE: JANUARY 2026

MANHOLE COVER - LOCKING DEVICE

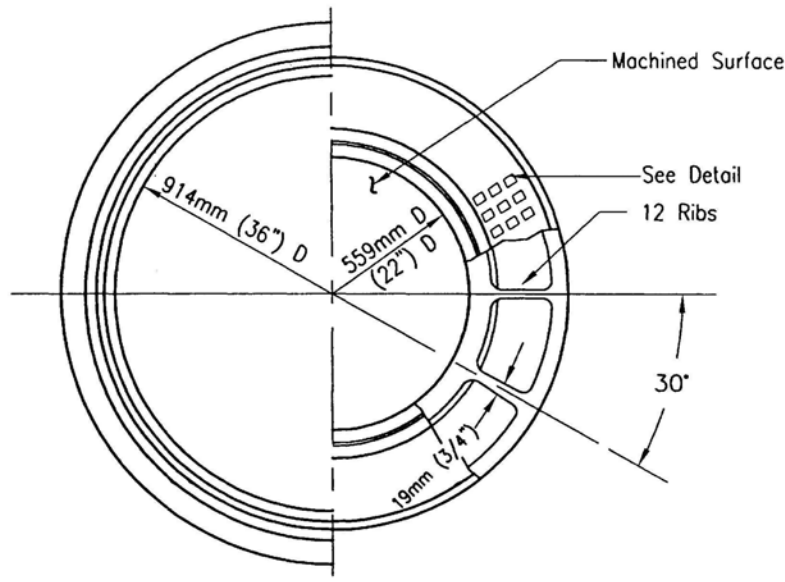
DRAWING NO.
S-23
SHEET 1 OF 3

APPROVED BY: 
Jesse Pompa, Dir. Of Eng. & Wtr Resources

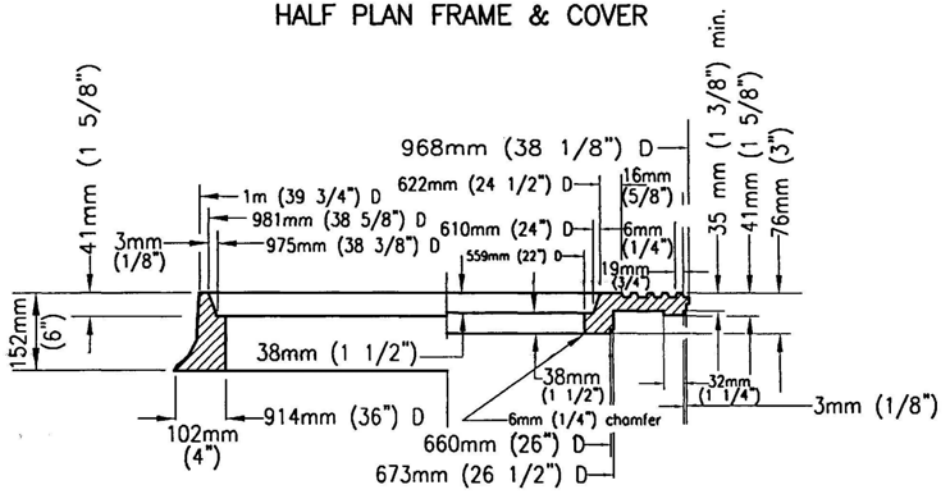
APPROVED BY: 
Matthew Abel, Dir. Of Ops.

REV.

NOTE: DISTRICT DIRECTED USE ONLY



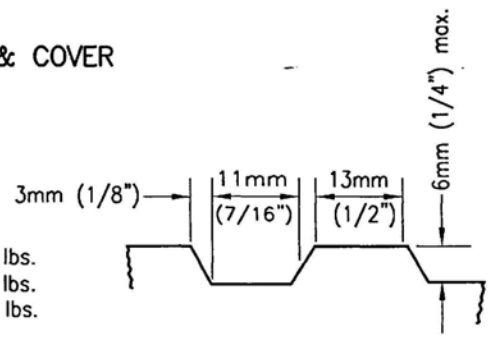
HALF PLAN FRAME & COVER



HALF SECTION FRAME & COVER

NOTES

1. Frame and cover shall be cast iron. Cast iron shall conform to ASTM 48, Class 35B.
2. Weights: Frame 142.4kg (314) - 164.6kg (363) lbs.
Outer Cover 129.3kg (285) - 149.7kg (330) lbs.
Inner Cover 66.7kg (147) - 77.5kg (171) lbs.
3. Machine all matching surfaces and seats of frame and cover to prevent rocking.
4. Imported frames and covers shall have the country of origin marked in compliance with federal regulations.



DETAIL

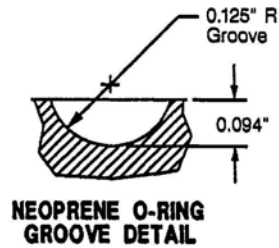
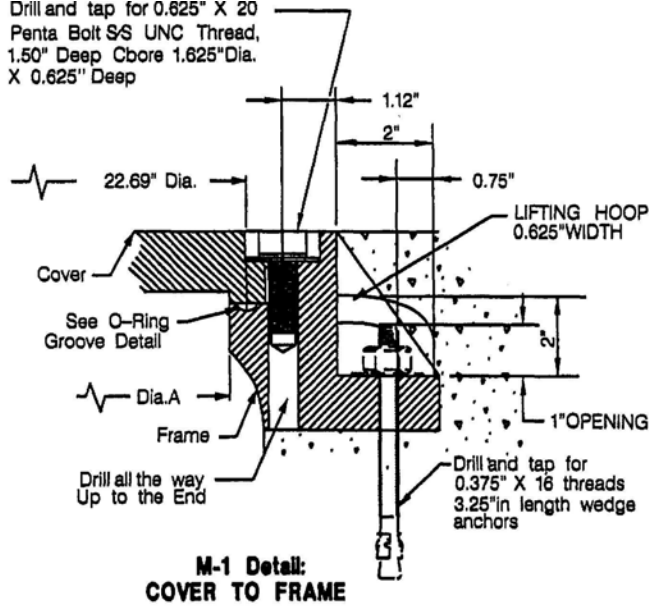
JURUPA COMMUNITY SERVICES DISTRICT

| | | |
|---|---|-------------------|
| SCALE: NONE | 36" MANHOLE FRAME & TWO CONCENTRIC COVERS HEAVY DUTY | DRAWING NO. |
| DATE: JANUARY 2026 | | S-23 (M-3) |
| APPROVED BY: | APPROVED BY: | SHEET 2 OF 3 |
| Jesse Pompa, Dir. Of Eng. & Wtr Resources | Matthew Abel, Dir. Of Ops. | |

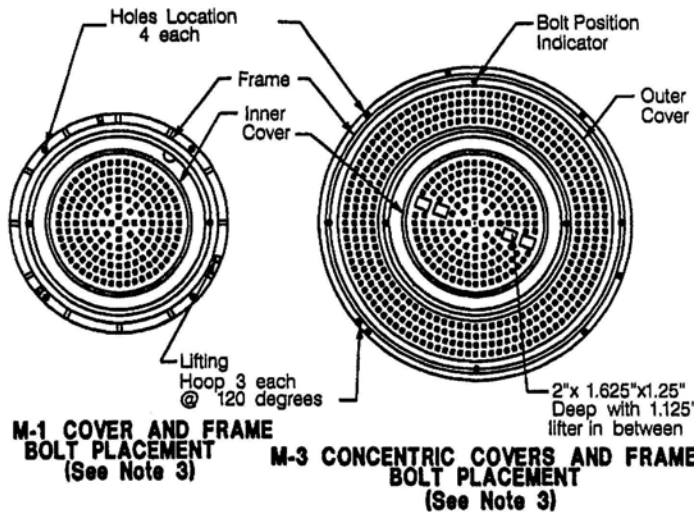
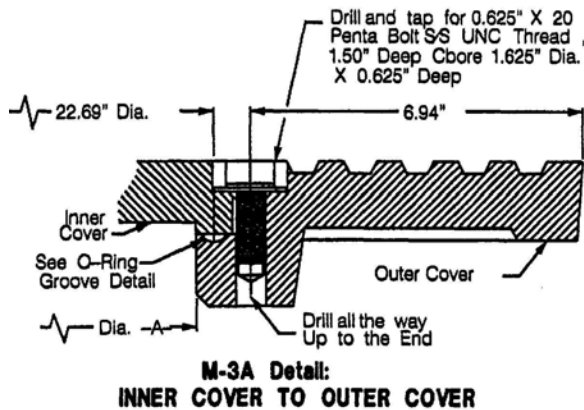
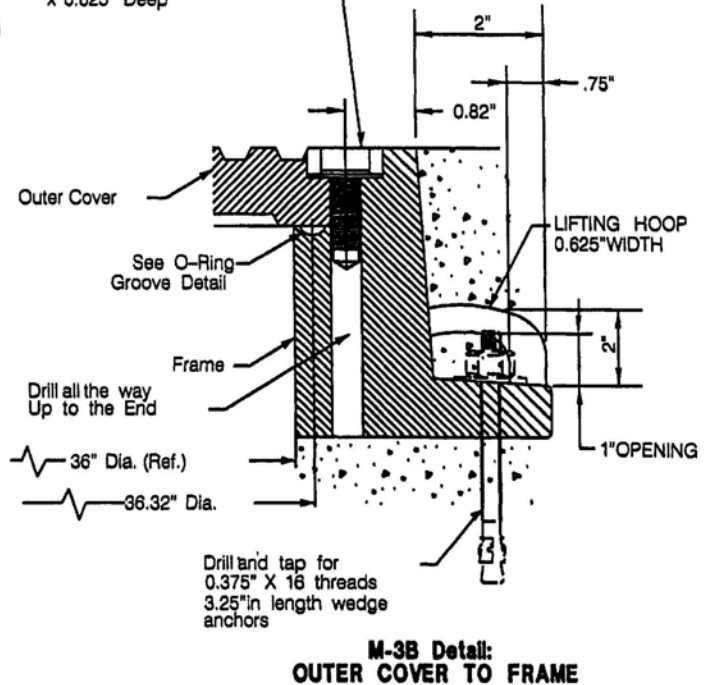
REV.

NOTE: DISTRICT DIRECTED USE ONLY

Drill and tap for 0.625" X 20 Penta Bolt SS UNC Thread, 1.50" Deep Chore 1.625" Dia. X 0.625" Deep



Drill and tap for 0.625" x 20 Penta Bolt SS UNC Thread. 1.50" deep Chore 1.625" Dia. x 0.625" Deep



NOTES:

1. 0.625" X 20 PENTA BOLT SS UNC THREAD, 316 STAINLESS STEEL PENTA HEAD SCREW AND 1.50" O.D. x 0.687" I.D. X 0.078 THICK 316 STAINLESS STEEL WASHER.
 2. 0.25" NEOPRENE O-RING GASKET SHALL BE GLUED INTO MACHINED GROOVE. GLUE SHALL MEET THE REQUIREMENTS OF MIL-M-81288
 3. BOLTDOWN PATTERNS:
 - M-1 DETAIL (24" COVER & FRAME): INSTALL TWO (2) BOLTS AT 180 DEGREES.
 - M-3A DETAIL (CONCENTRIC COVERS): BETWEEN INNER AND OUTER COVERS INSTALL TWO (2) BOLTS AT 180 DEGREES.
 - M-3B DETAIL (OUTER COVER & FRAME): BETWEEN OUTER COVER & FRAME INSTALL FOUR (4) BOLTS AT 90 DEGREES.
- FOR M-1 AND M-3 OUTER COVER FRAME DRILL 4 HOLES FOR 0.375"x16 STAINLESS STEEL WEDGE ANCHORS 3.75" IN LENGTH AT 90 DEGREES.

JURUPA COMMUNITY SERVICES DISTRICT

SCALE: NONE

DATE: JANUARY 2026

MANHOLE COVER - LOCKING DEVICE

DRAWING NO.

S-23 (M-4)

SHEET 3 OF 3

REV.

APPROVED BY:

Jesse Pompa, Dir. Of Eng. & Wtr Resources

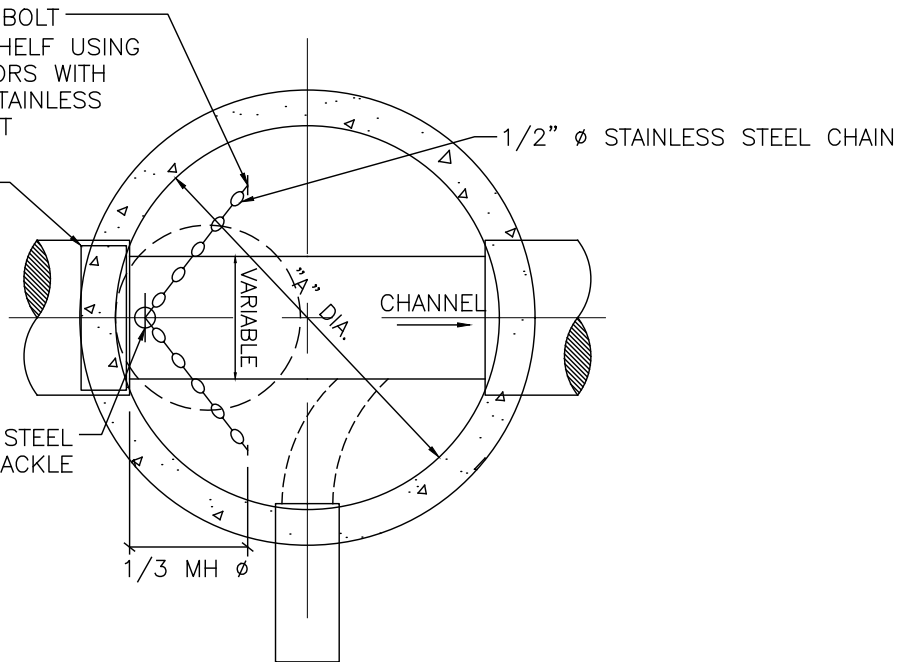
APPROVED BY:

Matthew Abel, Dir. Of Ops.

1/2"Ø STAINLESS STEEL EYE BOLT
EMBEDDED 6" IN MANHOLE SHELF USING
STAINLESS STEEL HILTI ANCHORS WITH
HIGH STRENGTH EPOXY OR STAINLESS
DROP-IN ANCHORS BY WEJ-IT

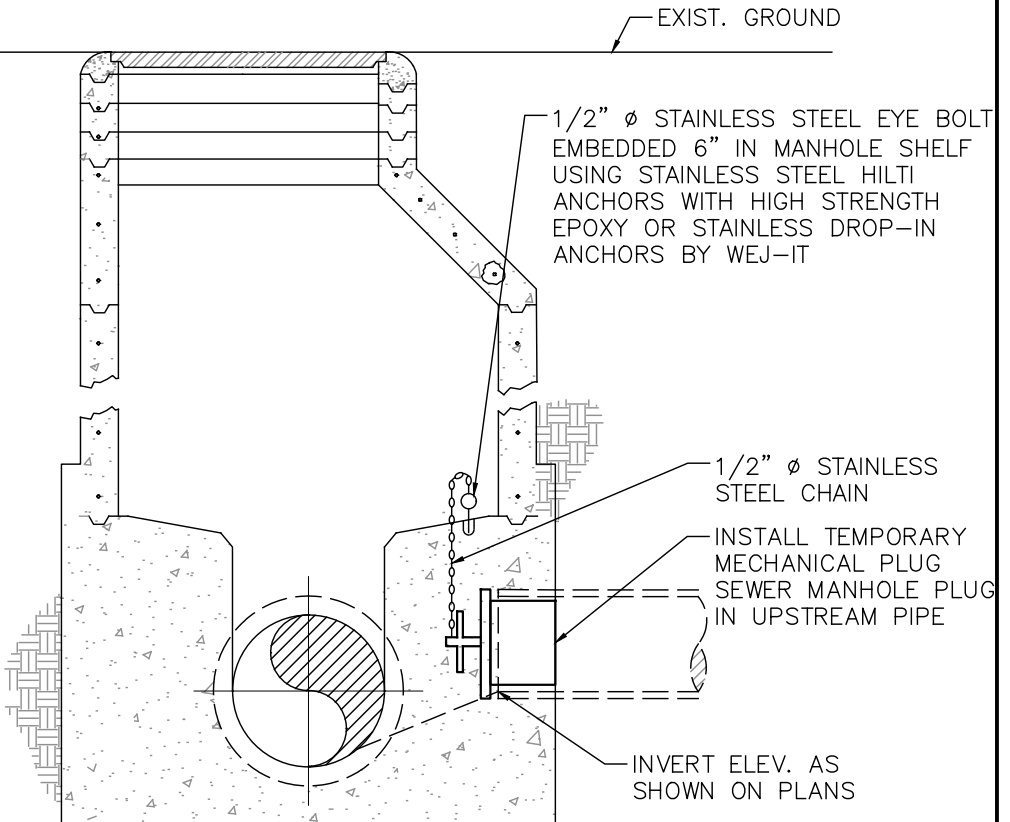
MECHANICAL PLUG TO
MATCH PIPE DIAMETER
(PER CHERNE (OATEY)
T-HANDLE GRIPPER PLUG
SIZED TO SUITE PIPE)

1/2" Ø STAINLESS STEEL
BOW SHACKLE



NOTE:

1. SEWER PLUG(S) SHALL BE INSTALLED PRIOR TO COMMENCEMENT OF SEWER CONSTRUCTION AND SHALL BE INSPECTED ON A WEEKLY BASIS TO INSURE THAT SEWER PLUGS ARE IN PLACE. THE LOCATION OF THE SEWER PLUG(S) SHALL BE IDENTIFIED ON THE PLANS
2. SEWER PLUG SHALL BE MECHANICAL T-HANDLE GRIPPER PLUG BY CHERNE (OATEY) MADE OF HEAVY DUTY ALUMINUM SHALL BE MADE FOR LONG-TERM USE, CHEMICAL-RESISTANT NEOPRENE O-RING FOR PIPE SIZE 6" TO 18" DIAMETER
3. ALL ITEMS TO BE REMOVED PRIOR TO SYSTEM GOING LIVE. CUT OFF EYE BOLTS AND PROVIDE EPOXY FILL. EPOXY FILL SHALL BE COMMERCIAL GRADE QUIKRETE FAST SET ANCHORING EPOXY



JURUPA COMMUNITY SERVICES DISTRICT

SCALE: NONE

DATE: JANUARY 2026

TEMPORARY MANHOLE PLUG

DRAWING NO.

S-24

REV.

APPROVED BY:

Jesse Pompa, Dir. Of Eng. & Wtr Resources

APPROVED BY:

Matthew Abel, Dir. Of Ops.

SEWER LATERAL



DIMENSION TABLE

| | |
|---|--|
| A | |
| B | |
| X | |
| Y | |
| Z | |

BUILDING FOOTPRINT

ADDRESS

PROPERTY LINE

STREET R/W

CURB/GUTTER

CLEAN-OUT PER
STD. DWG. NO. S-5

STREET NAME

GENERAL NOTES:

1. DEVELOPER SHALL PREPARE ONE PLAT FOR EACH PROPERTY.
2. BUILDING FOOTPRINT SHALL REFLECT THE FLOOR PLAN OF THE STRUCTURE CONSTRUCTED ON THE PROPERTY.

JURUPA COMMUNITY SERVICES DISTRICT

SCALE: NONE

DATE: JANUARY 2026

ONSITE SEWER LOCATION

DRAWING NO.

S-25

REV.

APPROVED BY:

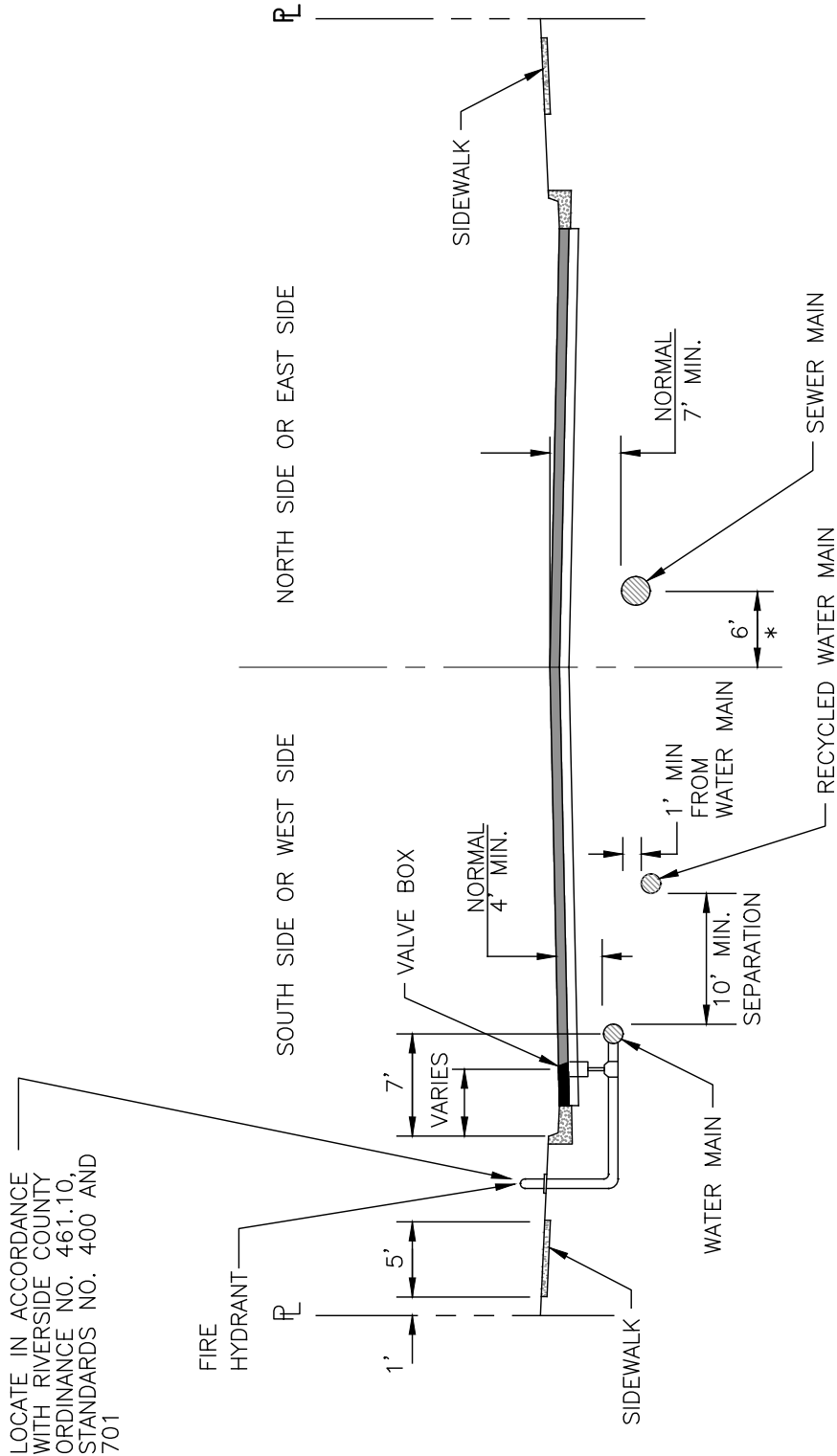
Jesse Pompa, Dir. Of Eng. & Wtr Resources

APPROVED BY:

Matthew Abel, Dir. Of Ops.

C. RECYCLED WATER SYSTEM STANDARD DRAWINGS

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* EXCEPT IN DIVIDED ROADWAYS.

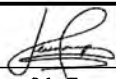
JURUPA COMMUNITY SERVICES DISTRICT

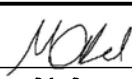
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 DATE: JANUARY 2026

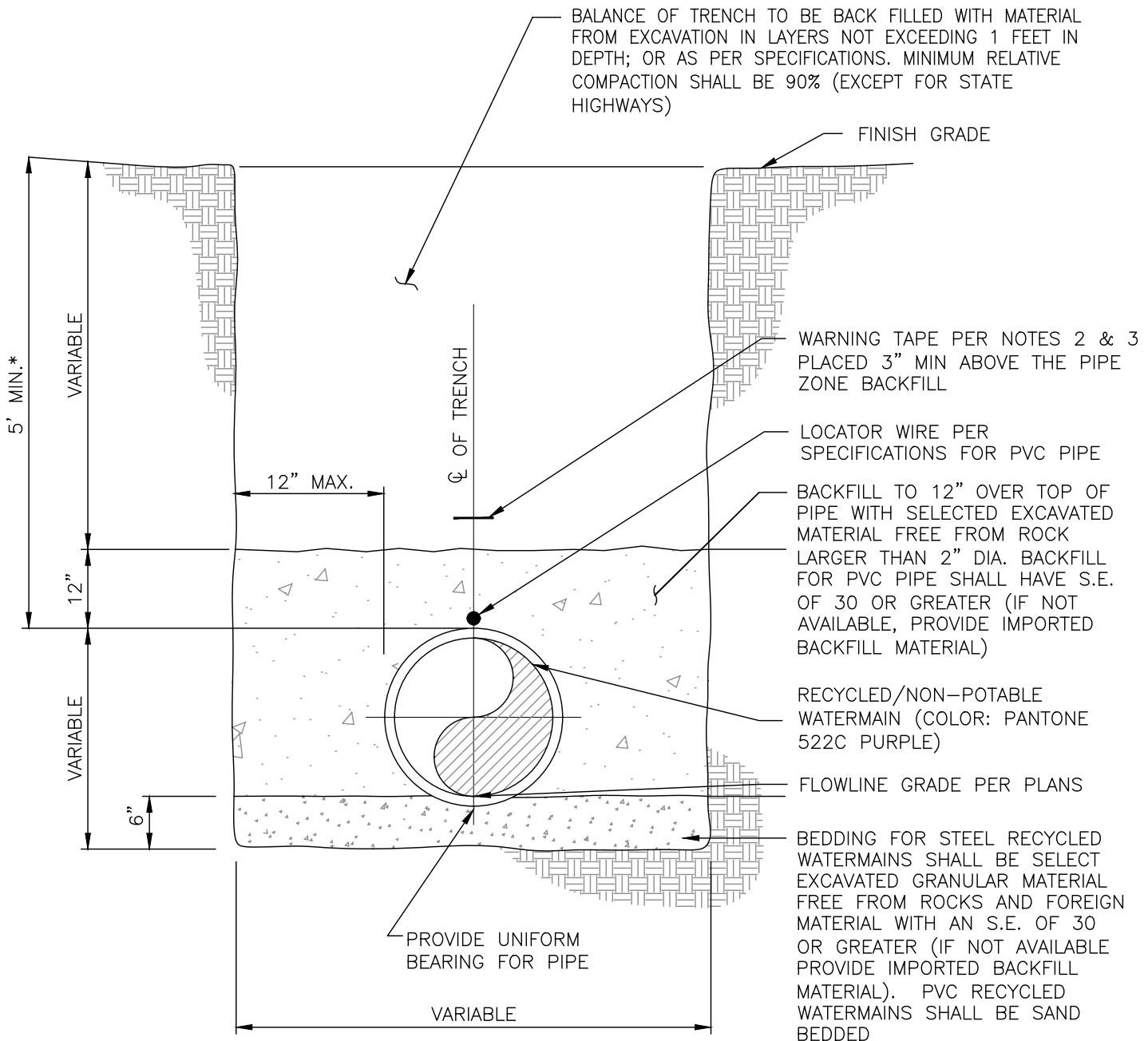
STANDARD RECYCLED WATER LOCATION

DRAWING NO.
R/NP-1

REV.

APPROVED BY: 
 Jesse Pompa, Dir. Of Eng. & Wtr Resources

APPROVED BY: 
 Matthew Abel, Dir. Of Ops.



*REFER TO R/NP-1 FOR MINIMUM CLERANCE BETWEEN PW AND RW LINES

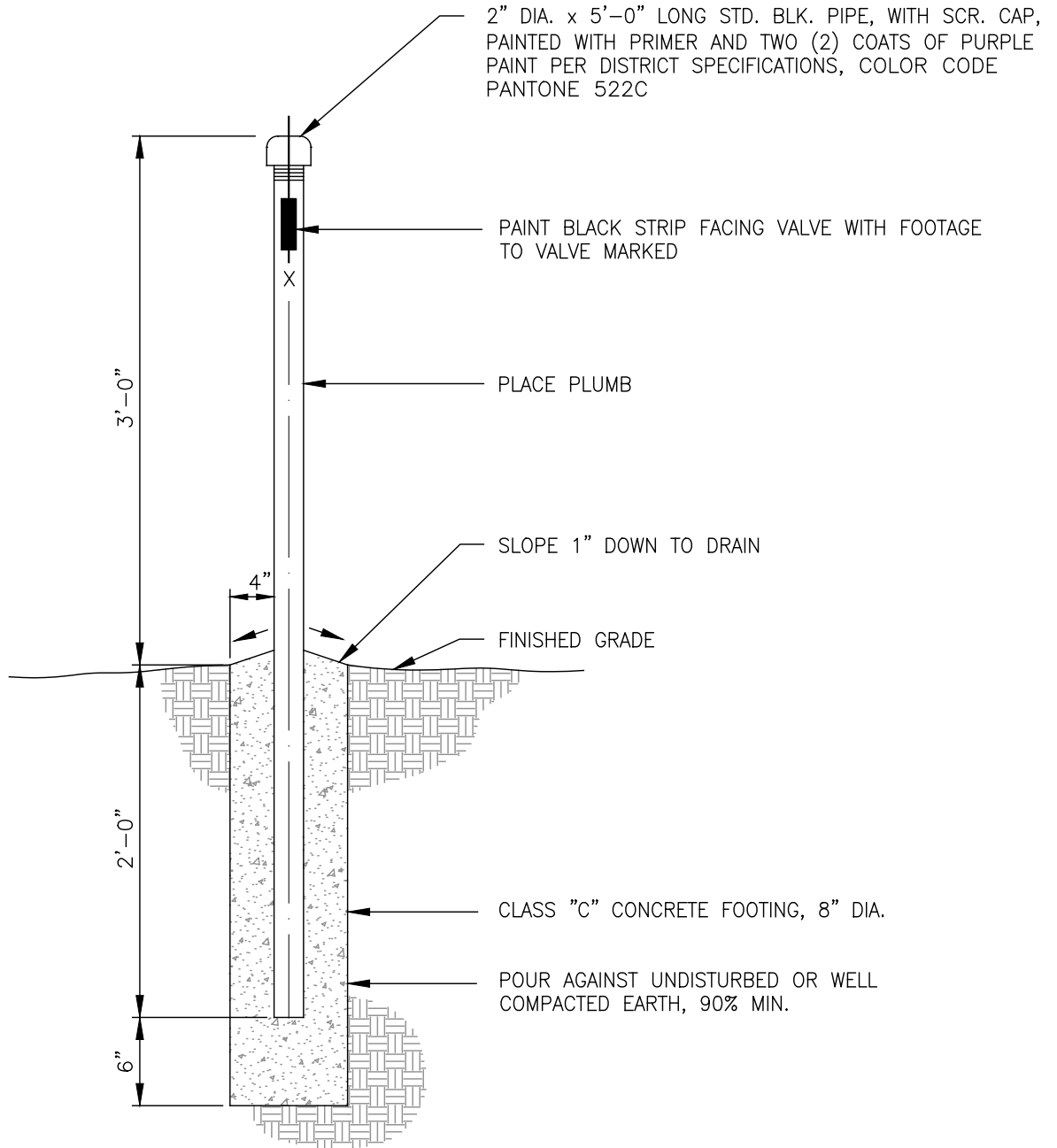
NOTES:

1. WHERE BOTTOM OF EXCAVATION IS IN ROCK WHICH CANNOT BE EXCAVATED TO PROVIDE UNIFORM BEARING FOR THE PIPE, OVEREXCAVATE 6" MINIMUM BELOW DESIGN GRADE, AND REFILL IN 3" THICK COMPACTED LAYERS WITH SELECTED EXCAVATED MATERIAL OR PROVIDE IMPORTED BACKFILL MATERIAL PER SPECIFICATIONS.
2. WARNING TAPE SHALL BE INSTALLED 3-INCHES ABOVE THE TOP OF PIPE CENTER AND SHALL RUN CONTINUOUSLY FOR THE ENTIRE LENGTH OF ALL CONSTANT PRESSURE MAIN LINE PIPING
3. WARNING TAPE SHALL BE PURPLE PLASTIC WITH BLACK PRINTING HAVING THE WORDS "CAUTION: RECYCLED OR NON-POTABLE WATER - DO NOT DRINK" IMPRINTED IN MINIMUM 1-INCH HIGH LETTERS. IMPRINTING SHALL BE CONTINUOUS AND PERMANENT. THE OVERALL WIDTH OF WARNING TAPE SHALL BE THE SAME AS PIPE DIAMETER

JURUPA COMMUNITY SERVICES DISTRICT

| | | |
|---|--|-------------------------------|
| SCALE: NONE | TYPICAL TRENCH DETAIL FOR RECYCLED/NON-POTABLE WATER LINE | DRAWING NO. R/NP-2A |
| DATE: JANUARY 2026 | | |
| APPROVED BY: Jesse Pompa, Dir. Of Eng. & Wtr Resources | APPROVED BY: Matthew Abel, Dir. Of Ops. | |

REV.



NOTE:

MARKERS TO BE INSTALLED AS DIRECTED IN THE FIELD BY THE DISTRICT, TO INDICATE THE LOCATION OF RECYCLED/NON-POTABLE VALVES. TYPICAL FOR VALVE LOCATED WITHIN UNIMPROVED AREAS, LAWN AND PARKWAY AREAS, AS WELL AS AREAS WITHIN NON-PAVED OR NON-CONCRETE SURFACES AREAS.

JURUPA COMMUNITY SERVICES DISTRICT

SCALE: NONE

**STANDARD VALVE AND MARKER INSTALLATION
FOR RECYCLED/NON-POTABLE WATER LINE**

DRAWING NO.

DATE: JANUARY 2026

R/NP-3

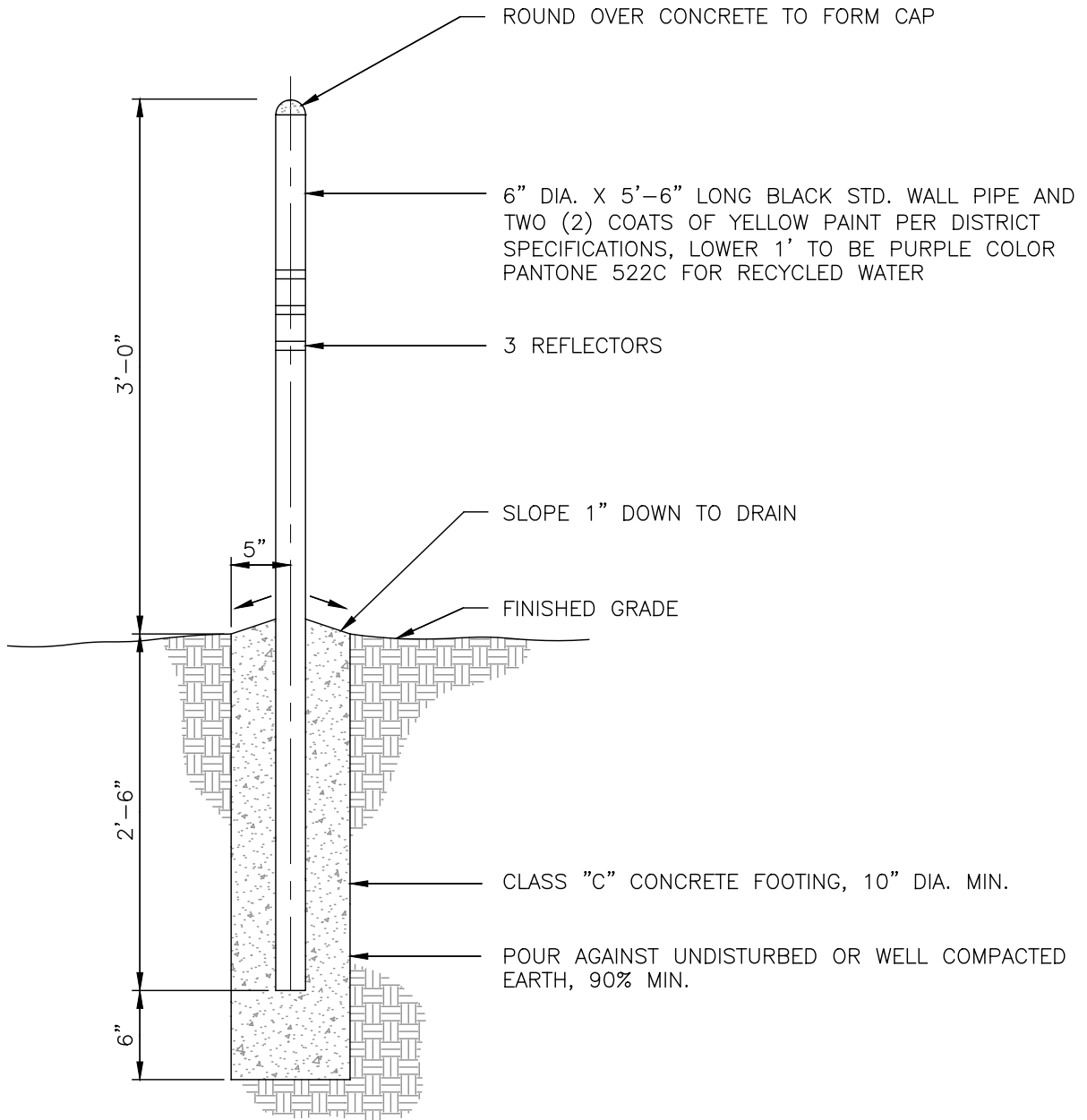
APPROVED BY:

Jesse Pompa, Dir. Of Eng. & Wtr Resources

APPROVED BY:

Matthew Abel, Dir. Of Ops.

REV.



NOTES:

LOCATION SHALL BE AS SHOWN ON PLAN VIEW, OR AS DIRECTED IN THE FIELD BY INSPECTOR OR ENGINEER.

MINIMUM OF 2 GUARD POSTS ARE TO BE PLACED ON ALL APPURTENANCES (UNLESS DIRECTED BY JCSD), LOCATION TO BE DETERMINED BY INSPECTOR

JURUPA COMMUNITY SERVICES DISTRICT

SCALE: NONE

STANDARD GUARD POST INSTALLATION FOR RECYCLED/NON-POTABLE WATER LINE

DRAWING NO.

DATE: JANUARY 2026

R/NP-4

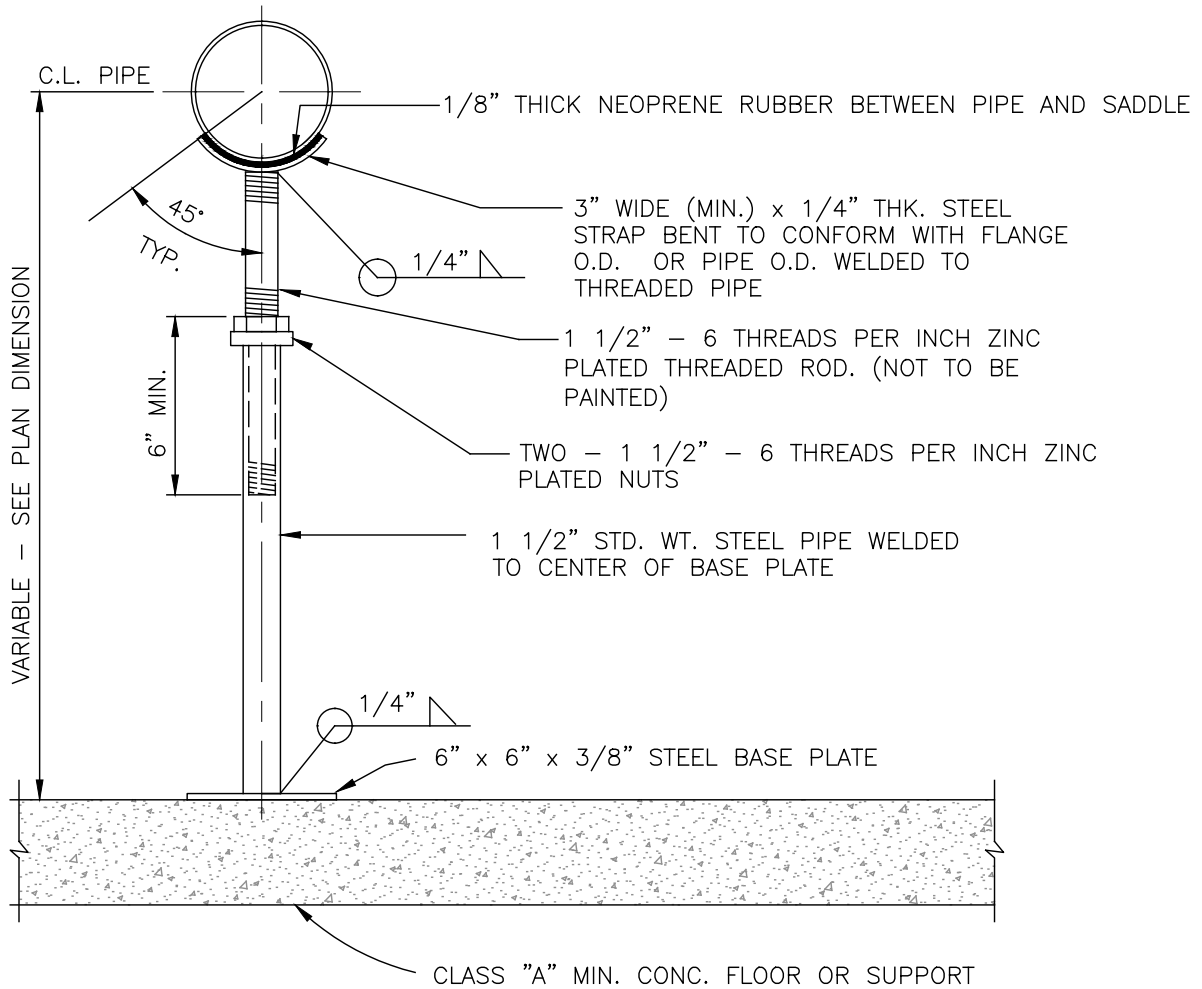
APPROVED BY:

Jesse Pompa, Dir. Of Eng. & Wtr Resources

APPROVED BY:

Matthew Abel, Dir. Of Ops.

REV.



NOTES:

1. 3" x 1/4" STEEL STRAP SHALL BE FORMED TO HAVE FULL & UNIFORM CONTACT FOR ENTIRE LENGTH.
2. PAINT WITH PRIMER & TWO (2) COATS OF PURPLE PAINT COLOR PANTONE 522C PER DISTRICT SPECIFICATION
3. UPON WRITTEN APPROVAL BY THE DISTRICT, PREFABRICATED ADJUSTABLE PIPE SUPPORTS MY BE USED (PIPE PRODUCTS OR APPROVED EQUAL)

JURUPA COMMUNITY SERVICES DISTRICT

SCALE: NONE

DATE: JANUARY 2026

PIPE OR FLANGE SUPPORT DETAIL FOR RECYCLED/NON-POTABLE WATER LINE

DRAWING NO.

R/NP-5

REV.

APPROVED BY:

Jesse Pompa, Dir. Of Eng. & Wtr Resources

APPROVED BY:

Matthew Abel, Dir. Of Ops.

J&R CONCRETE PRODUCTS VALVE BOX SERIES NO. V4-T

CONCRETE | ASPHALT

8" GATE CAP, NOTCH ON BOTH SIDES, HEAVY DUTY SOUTH BAY FDRY NO. B52, OR 6" GATE CAP, NOTCH ON BOTH SIDES, SOUTH BAY FDRY. NO. B6030; OR APPROVED EQUAL

FINISHED GRADE

10"

(*) 18" THK. CONC. PAD AT FINISH GRADE WHEN VALVE IN GRASS, GRAVEL OR UNIMPROVED AREAS

6" MIN.

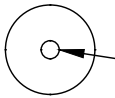
A.C. PAVEMENT

SUBGRADE

SEE NOTE #2 BELOW

2" SQ. OPERATING NUT SET 24" BELOW FINISHED SURFACE

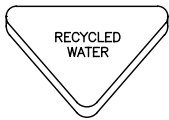
8" DIA. O.D. X 20 GA., GALVANIZED, SPLIT VALVE CAN TOP SECTION TO SERVE AS A SLIP CAN, LENGTH SHALL BE 12" OR 18" AS REQUIRED. FOR VALVE DEPTH OVER 10', USE DISTRICT APPROVED VALVE EXTENSION (EPOXY COATED STEEL SCH. 40, 1" DIA.)



ADJUSTABLE CENTERING RING

FIBERGLASS VALVE STEM EXTENSION, FIBERGLASS BY PIPELINE PRODUCTS (TESTED TO 600FT-LBS)

CENTERING RING DETAIL



VALVE CAP DETAIL

PROVIDE VALVE STEM EXTENSION WHERE DEPTH TO OPERATOR NUT EXCEEDS 10'. CENTER AND PLUMB OVER OPERATOR NUT

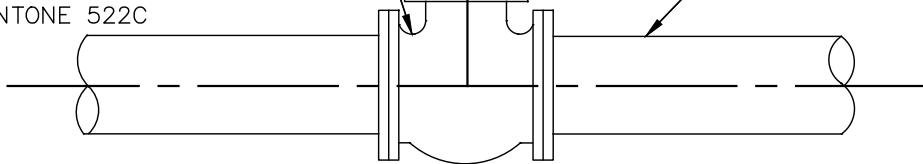
A.W.W.A. C-509 (LATEST) FLANGED RESILIENT SEAT GATE VALVE, 200 W.O.G. I.B.B.M. N.R.S. "O"RING SEAL, 2" SQ. OPERATING NUT ALL FERROUS SURFACES SHALL BE EPOXY COATED INSIDE AND OUT: PER OWNER SPECIFICATION. (FOR C-909 PVC USE FLANGED ADAPTER BY GRIPTYPE (OR APPROVED EQUAL) OR SLIP-ON VALVE) AND WITH PRIMER AND TWO (2) COATS OF DISTRICT APPROVED PURPLE PAINT, COLOR PANTONE 522C

8" DIA. I.D. PVC PIPE (CONTINUOUS SECTION I.E. ONE PIECE OR USE BELL JOINTS OR COUPLINGS) SDR 35 MIN. THICKNESS. 6" DIA. FOR AIR VALVES, FIRE HYDRANTS, FIRE SERVICES, 2" SERVICES, AND BLOWOFFS, COLOR TO BE PURPLE

ADAPT TO OPERATING NUT ON VALVE

ADD RUBBER SEAL WITH S.S. BAND

RECYCLED WATERMAIN (PURPLE)



NOTES:

1. VALVE MARKER PER STD. NO. R/NP-3 TO BE INSTALLED AS DIRECTED BY THE DISTRICT.
2. CLASS "B" CONCRETE PAD, 20" SQ. POUR AGAINST WELL COMPACTED EARTH, 90% MIN. RELATIVE COMPACTION AT FINISHED GRADE IN NON-PAVED AREAS.

JURUPA COMMUNITY SERVICES DISTRICT

SCALE: NONE

DATE: JANUARY 2026

GATE VALVE INSTALLATION FOR RECYCLED/NON-POTABLE WATER LINE

DRAWING NO.

R/NP-6

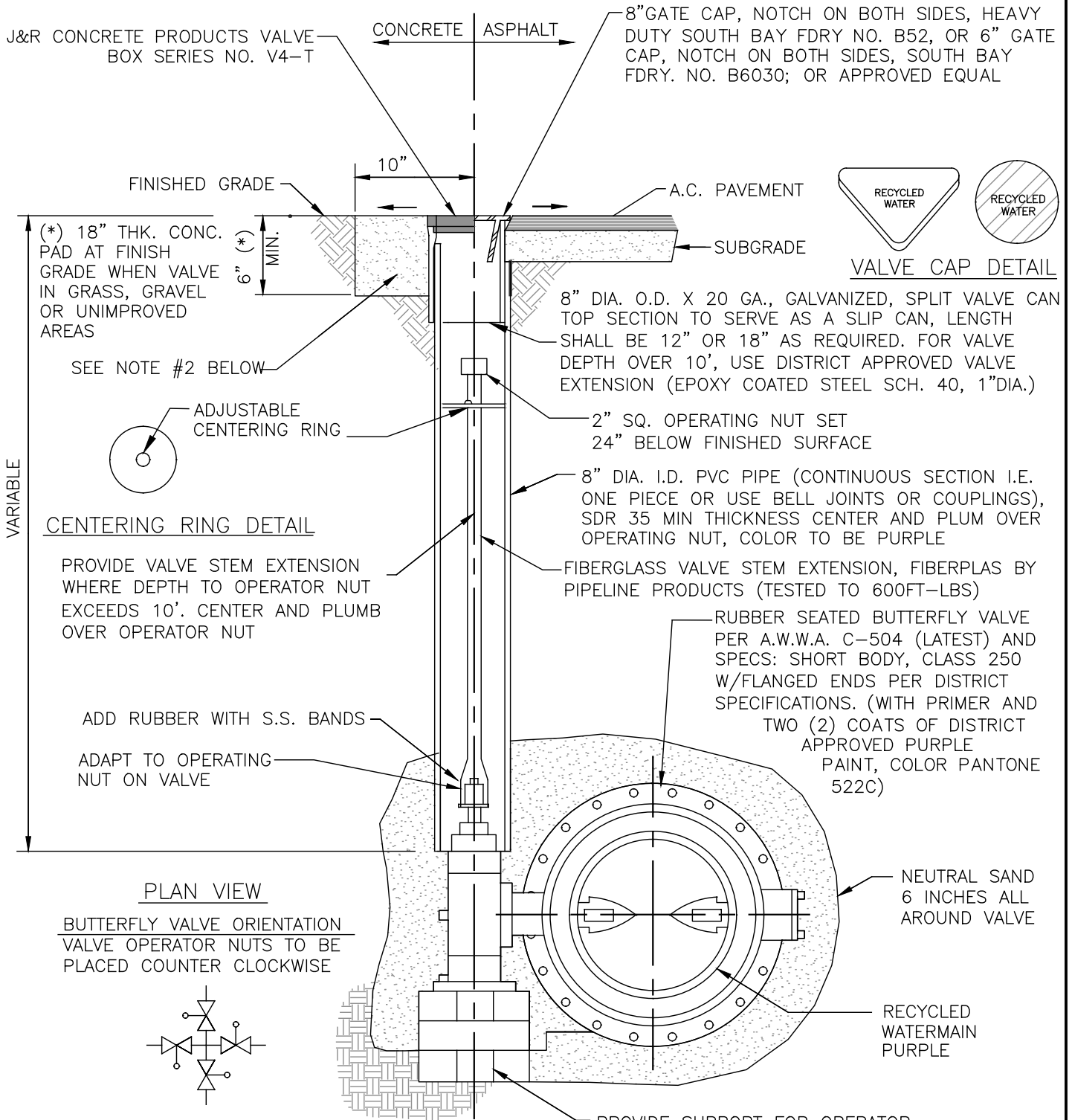
REV.

APPROVED BY:

Jesse Pompa, Dir. Of Eng. & Wtr Resources

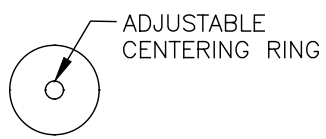
APPROVED BY:

Matthew Abel, Dir. Of Ops.



(*) 18" THK. CONC. PAD AT FINISH GRADE WHEN VALVE IN GRASS, GRAVEL OR UNIMPROVED AREAS

SEE NOTE #2 BELOW



CENTERING RING DETAIL

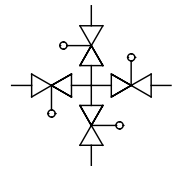
PROVIDE VALVE STEM EXTENSION WHERE DEPTH TO OPERATOR NUT EXCEEDS 10'. CENTER AND PLUMB OVER OPERATOR NUT

ADD RUBBER WITH S.S. BANDS

ADAPT TO OPERATING NUT ON VALVE

PLAN VIEW

BUTTERFLY VALVE ORIENTATION
VALVE OPERATOR NUTS TO BE PLACED COUNTER CLOCKWISE

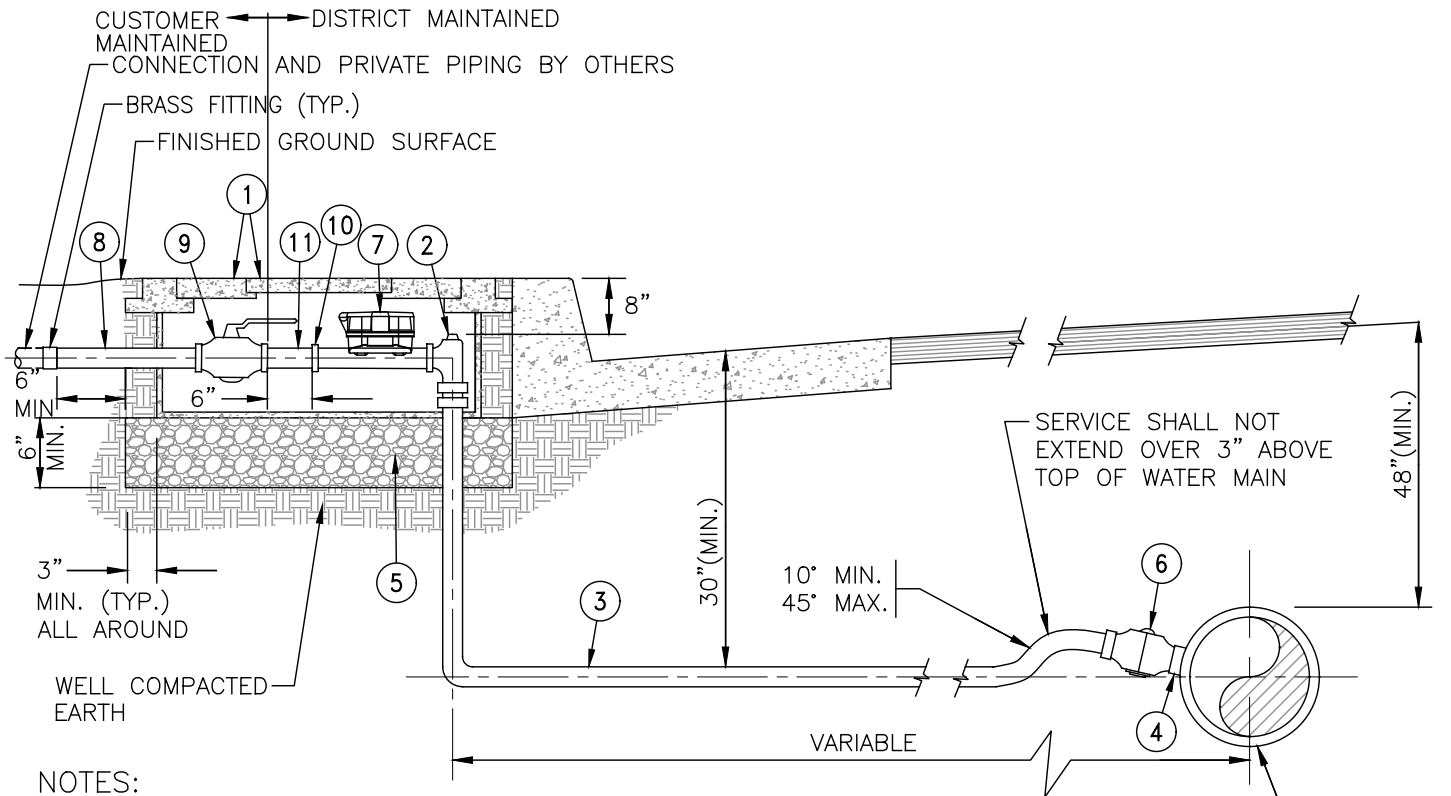


NOTES:

1. VALVE MARKER PER STD. NO. R/NP-3 TO BE INSTALLED AS DIRECTED BY THE DISTRICT.
2. CLASS "B" CONCRETE PAD, 20" SQ. POUR AGAINST WELL COMPACTED EARTH, 90% MIN. RELATIVE COMPACTION AT FINISHED GRADE IN NON-PAVED AREAS.
3. VALVE TO BE PRIMED AND PAINTED WITH TWO(2) COATS OF DISTRICT APPROVED PURPLE PAINT, COLOR PANTONE 522C.

JURUPA COMMUNITY SERVICES DISTRICT

| | | |
|---|---|-------------|
| SCALE: NONE | BUTTERFLY VALVE INSTALLATION FOR RECYCLED/NON-POTABLE WATER LINE | DRAWING NO. |
| DATE: JANUARY 2026 | | R/NP-7 |
| APPROVED BY: | APPROVED BY: | |
| Jesse Pompa, Dir. Of Eng. & Wtr Resources | Matthew Abel, Dir. Of Ops. | |



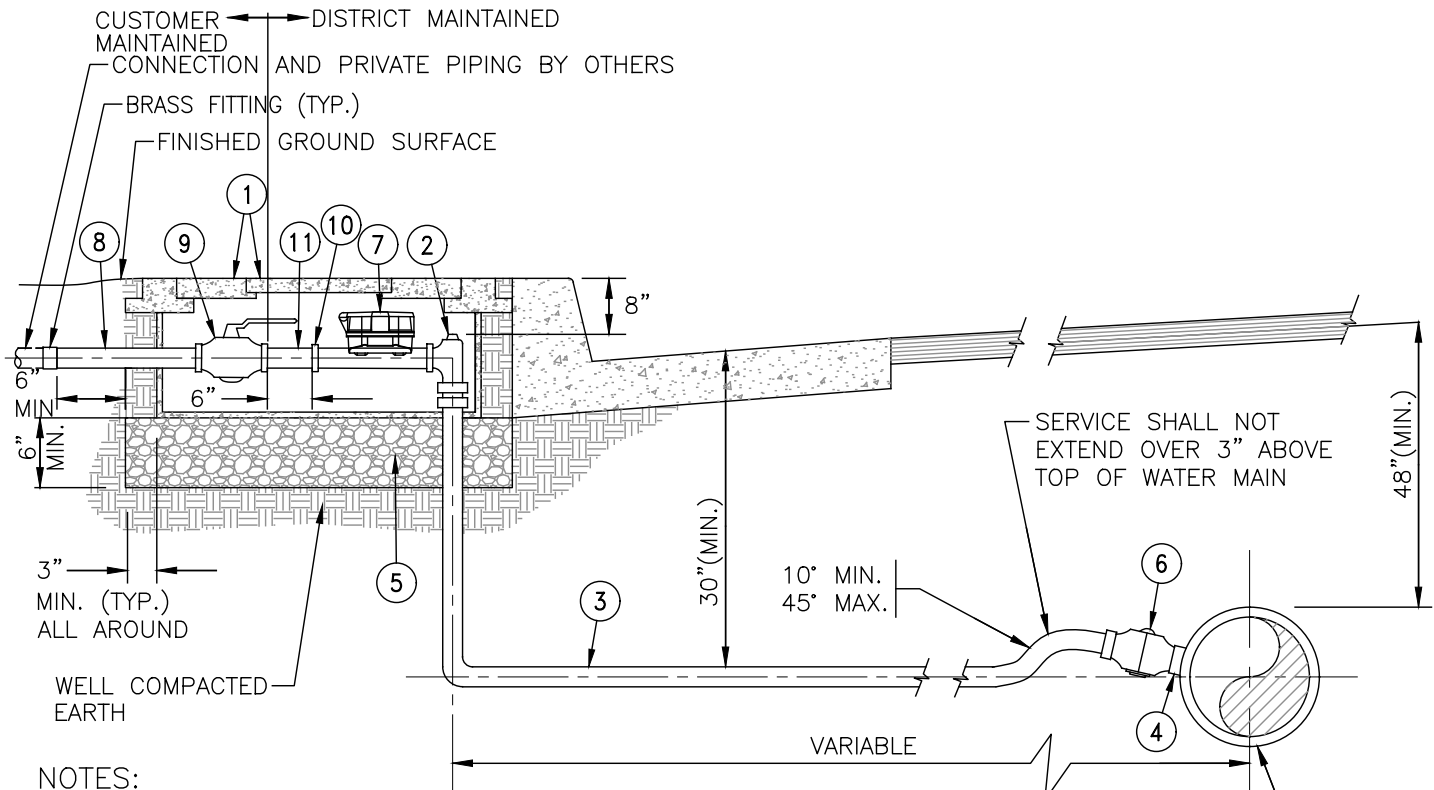
NOTES:

1. WHERE SIDEWALK IS DIRECTLY BEHIND CURB, LOCATE METER BOX RIGHT BEHIND THE SIDEWALK.
2. WHERE PARKWAY IS DIRECTLY BEHIND CURB, LOCATE METER BOX RIGHT BEHIND THE CURB
3. PIPE THREADS SHALL BE CLEAN AND SHARP AND SEALED WITH AN APPROVED JOINT COMPOUND.
4. METER SHALL NOT BE PLACED IN DRAINAGE AREA, DEPRESSIONS OR WITHIN TWO FEET OF A DRIVEWAY APPROACH.
5. DISTRICT MAINTAINED: ANGLE METER, METER, METER TAIL, CHECK VALVE, NIPPLE
6. CUSTOMER MAINTAINED: BRASS BALL VALVE
7. FOR 1" METER INSTALLATION, SUBSTITUTE 1" DIMENSION WHERE 3/4" IS INDICATED.

| ITEM | DESCRIPTION |
|------|--|
| ① | J & R POLYMER CONCRETE METER BOX P-W 6B WITH ONE PIECE COVER OR APPROVED EQUAL. USE METER BOX P-W 6B-20K FOR INCIDENTAL TRAFFIC CONDITIONS, CHECK FOR H2O RATED (FOR E-METER READ, THE METER BOX LID SHALL BE POLYMER CONCRETE COVER WITH QUICK READ PORT, BADGER METER ENDPOINT: ORION CELL-C). |
| ② | 1" BRONZE BALL ANGLE METER STOP W/ LOCK WING, 1"x3/4" ANGLE STOP FOR 3/4" METER |
| ③ | 1" PLASTIC COATED COPPER TUBE, TYPE K, COPPER SHALL BE CONTINUOUS WITH NO JOINTS FROM SERVICE CONNECTION TO RISER, COLOR PURPLE |
| ④ | BLK. STL. STD. COUPLING TO PIPE W/COLLAR PER STD. D-6 (FOR STEEL RECYCLED WATERMAIN) |
| ⑤ | 3/4" DIA. CRUSHED ROCK |
| ⑥ | 1" DIA. BALL CORP. STOP, I.P.T. INLET X PACK JOINT |
| ⑦ | 3/4" OR 1" AMI ULTRASONIC METER, FURNISHED BY THE CONTRACTOR |
| ⑧ | 1" DIA. BRASS PIPE WITH PROTECTIVE WRAP |
| ⑨ | 1" BRASS BALL VALVE W/ HANDLE. |
| ⑩ | 3/4" x 1" METER TAIL FOR 1" METER ONLY |
| ⑪ | 1" DOUBLE MALE THREADED BRASS HEX NIPPLE |

JURUPA COMMUNITY SERVICES DISTRICT

| | | |
|--------------------|--|-------------------------------|
| SCALE: NONE | 3/4" OR 1" METER, 1" SERVICE DETAIL FOR RECYCLED/NON-POTABLE WATER LINE | DRAWING NO. R/NP-8A |
| DATE: JANUARY 2026 | APPROVED BY: | APPROVED BY: |
| | Jesse Pompa, Dir. Of Eng. & Wtr Resources | Matthew Abel, Dir. Of Ops. |



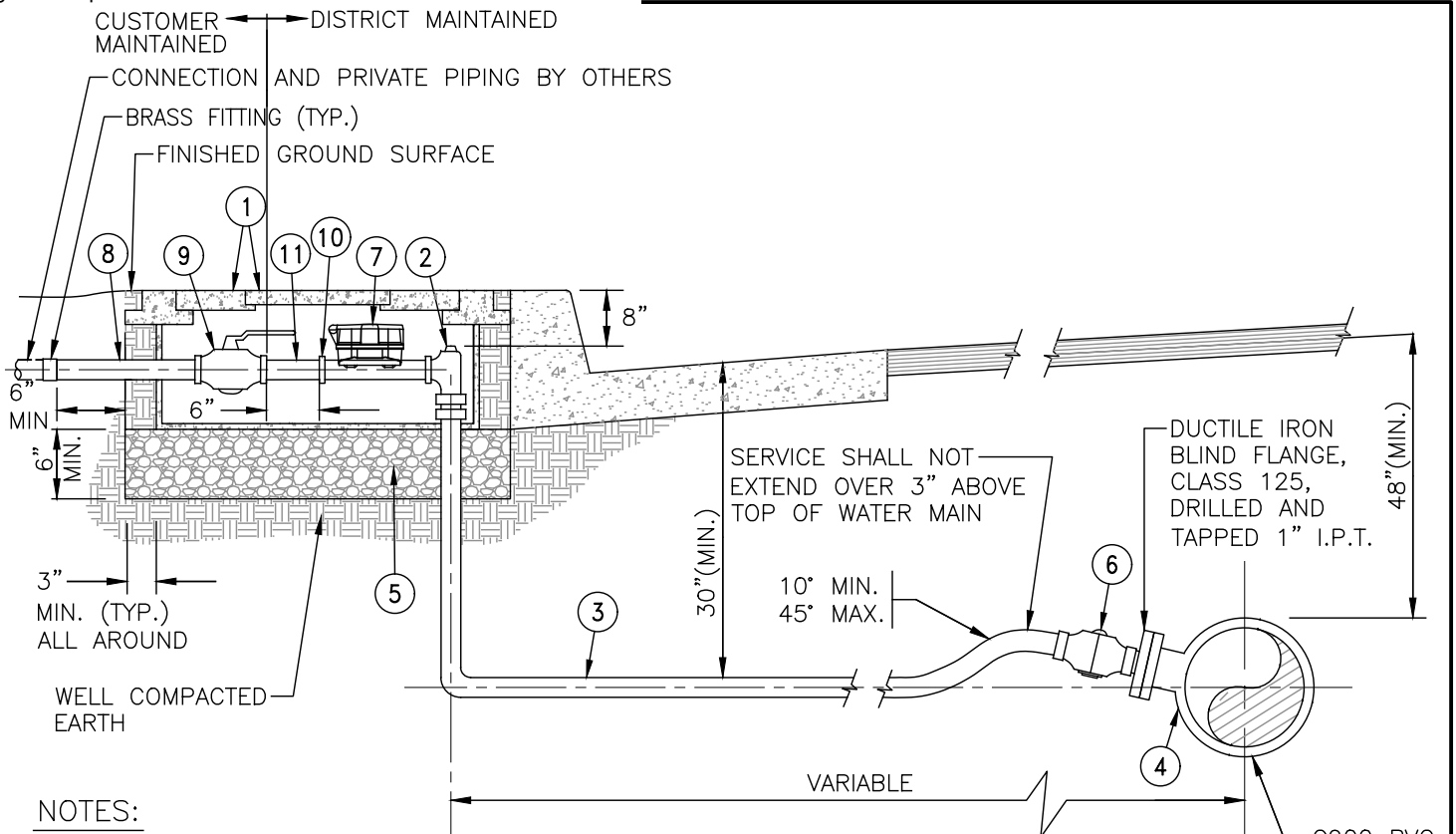
NOTES:

1. WHERE SIDEWALK IS DIRECTLY BEHIND CURB, LOCATE METER BOX RIGHT BEHIND THE SIDEWALK.
2. WHERE PARKWAY IS DIRECTLY BEHIND CURB, LOCATE METER BOX RIGHT BEHIND THE CURB
3. PIPE THREADS SHALL BE CLEAN AND SHARP AND SEALED WITH AN APPROVED JOINT COMPOUND.
4. METER SHALL NOT BE PLACED IN DRAINAGE AREA, DEPRESSIONS OR WITHIN TWO FEET OF A DRIVEWAY APPROACH.
5. DISTRICT MAINTAINED: ANGLE METER, METER, METER TAIL, CHECK VALVE, NIPPLE
6. CUSTOMER MAINTAINED: BRASS BALL VALVE
7. FOR 1" METER INSTALLATION, SUBSTITUTE 1" DIMENSION WHERE 3/4" IS INDICATED.

| ITEM | DESCRIPTION |
|------|--|
| ① | J & R POLYMER CONCRETE METER BOX P-W 6B WITH ONE PIECE COVER OR APPROVED EQUAL. USE METER BOX P-W 6B-20K FOR INCIDENTAL TRAFFIC CONDITIONS, CHECK FOR H2O RATED (FOR E-METER READ, THE METER BOX LID SHALL BE POLYMER CONCRETE COVER WITH QUICK READ PORT, BADGER METER ENDPOINT: ORION CELL-C). |
| ② | 1" BRONZE BALL ANGLE METER STOP W/ LOCK WING, 1"x3/4" ANGLE STOP FOR 3/4" METER |
| ③ | 1" PLASTIC COATED COPPER TUBE, TYPE K, COPPER SHALL BE CONTINUOUS WITH NO JOINTS FROM SERVICE CONNECTION TO RISER, COLOR PURPLE |
| ④ | RECYCLED WATERMAIN DIA. X 1" SERVICE SADDLE PER DISTRICT SPECIFICATIONS (FOR C909 PVC OR DUCTILE IRON RECYCLED WATERMAIN) |
| ⑤ | 3/4" DIA. CRUSHED ROCK |
| ⑥ | 1" DIA. BALL CORP. STOP, I.P.T. INLET X PACK JOINT |
| ⑦ | 3/4" OR 1" AMI ULTRASONIC METER, FURNISHED BY THE CONTRACTOR |
| ⑧ | 1" DIA. BRASS PIPE WITH PROTECTIVE WRAP |
| ⑨ | 1" BRASS BALL VALVE W/ HANDLE. |
| ⑩ | 3/4" x 1" METER TAIL FOR 1" METER ONLY |
| ⑪ | 1" DOUBLE MALE THREADED BRASS HEX NIPPLE |

JURUPA COMMUNITY SERVICES DISTRICT

| | | |
|--------------------|--|-------------------------------|
| SCALE: NONE | 3/4" OR 1" METER, 1" SERVICE DETAIL FOR RECYCLED/NON-POTABLE WATER LINE | DRAWING NO. R/NP-8B |
| DATE: JANUARY 2026 | APPROVED BY: | APPROVED BY: |
| | Jesse Pompa, Dir. Of Eng. & Wtr Resources | Matthew Abel, Dir. Of Ops. |



NOTES:

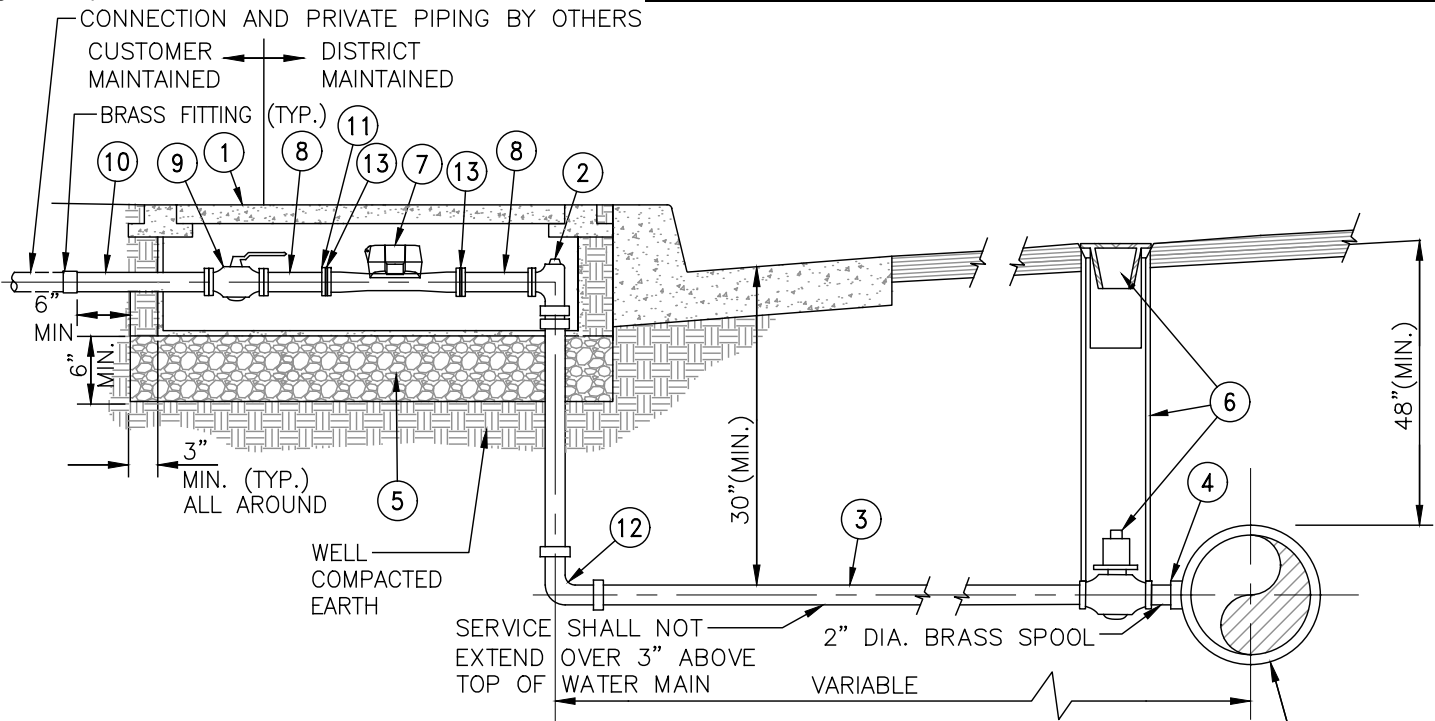
1. WHERE SIDEWALK IS DIRECTLY BEHIND CURB, LOCATE METER BOX RIGHT BEHIND THE SIDEWALK.
2. WHERE PARKWAY IS DIRECTLY BEHIND CURB, LOCATE METER BOX RIGHT BEHIND THE CURB
3. PIPE THREADS SHALL BE CLEAN AND SHARP AND SEALED WITH AN APPROVED JOINT COMPOUND.
4. METER SHALL NOT BE PLACED IN DRAINAGE AREA, DEPRESSIONS OR WITHIN TWO FEET OF A DRIVEWAY APPROACH.
5. DISTRICT MAINTAINED: ANGLE METER, METER, METER TAIL, CHECK VALVE, NIPPLE
6. CUSTOMER MAINTAINED: BRASS BALL VALVE
7. FOR 1" METER INSTALLATION, SUBSTITUTE 1" DIMENSION WHERE 3/4" IS INDICATED.

C900 PVC RECYCLED WATERMAIN

| ITEM | DESCRIPTION |
|------|--|
| ① | J & R POLYMER CONCRETE METER BOX P-W 6B WITH ONE PIECE COVER OR APPROVED EQUAL. USE METER BOX P-W 6B-20K FOR INCIDENTAL TRAFFIC CONDITIONS, CHECK FOR H2O RATED (FOR E-METER READ, THE METER BOX LID SHALL BE POLYMER CONCRETE COVER WITH QUICK READ PORT, BADGER METER ENDPOINT: ORION CELL-C). |
| ② | 1" BRONZE BALL ANGLE METER STOP W/ LOCK WING, 1"x3/4" ANGLE STOP FOR 3/4" METER |
| ③ | 1" PLASTIC COATED COPPER TUBE, TYPE K, COPPER SHALL BE CONTINUOUS WITH NO JOINTS FROM SERVICE CONNECTION TO RISER, COLOR PURPLE |
| ④ | DUCTILE IRON TEE (MAINLINE SIZE (MJ) X BRANCH SIZE (FL)) WITH DUCTILE IRON BLIND FLANGE, CLASS 125, DRILLED AND TAPPED 1" I.P.T. FOR CORP STOP |
| ⑤ | 3/4" DIA. CRUSHED ROCK |
| ⑥ | 1" DIA. BALL CORP. STOP, I.P.T. INLET X PACK JOINT |
| ⑦ | 3/4" OR 1" AMI ULTRASONIC METER, FURNISHED BY THE CONTRACTOR |
| ⑧ | 1" DIA. BRASS PIPE WITH PROTECTIVE WRAP |
| ⑨ | 1" BRASS BALL VALVE W/ HANDLE. |
| ⑩ | 3/4" x 1" METER TAIL FOR 1" METER ONLY |
| ⑪ | 1" DOUBLE MALE THREADED BRASS HEX NIPPLE |

JURUPA COMMUNITY SERVICES DISTRICT

| | | |
|---|--|----------------|
| SCALE: NONE | 3/4" OR 1" METER, 1" SERVICE DETAIL | DRAWING NO. |
| DATE: JANUARY 2026 | FOR RECYCLED/NON-POTABLE WATER LINE | R/NP-8C |
| APPROVED BY: | APPROVED BY: | |
| Jesse Pompa, Dir. Of Eng. & Wtr Resources | Matthew Abel, Dir. Of Ops. | |



NOTES:

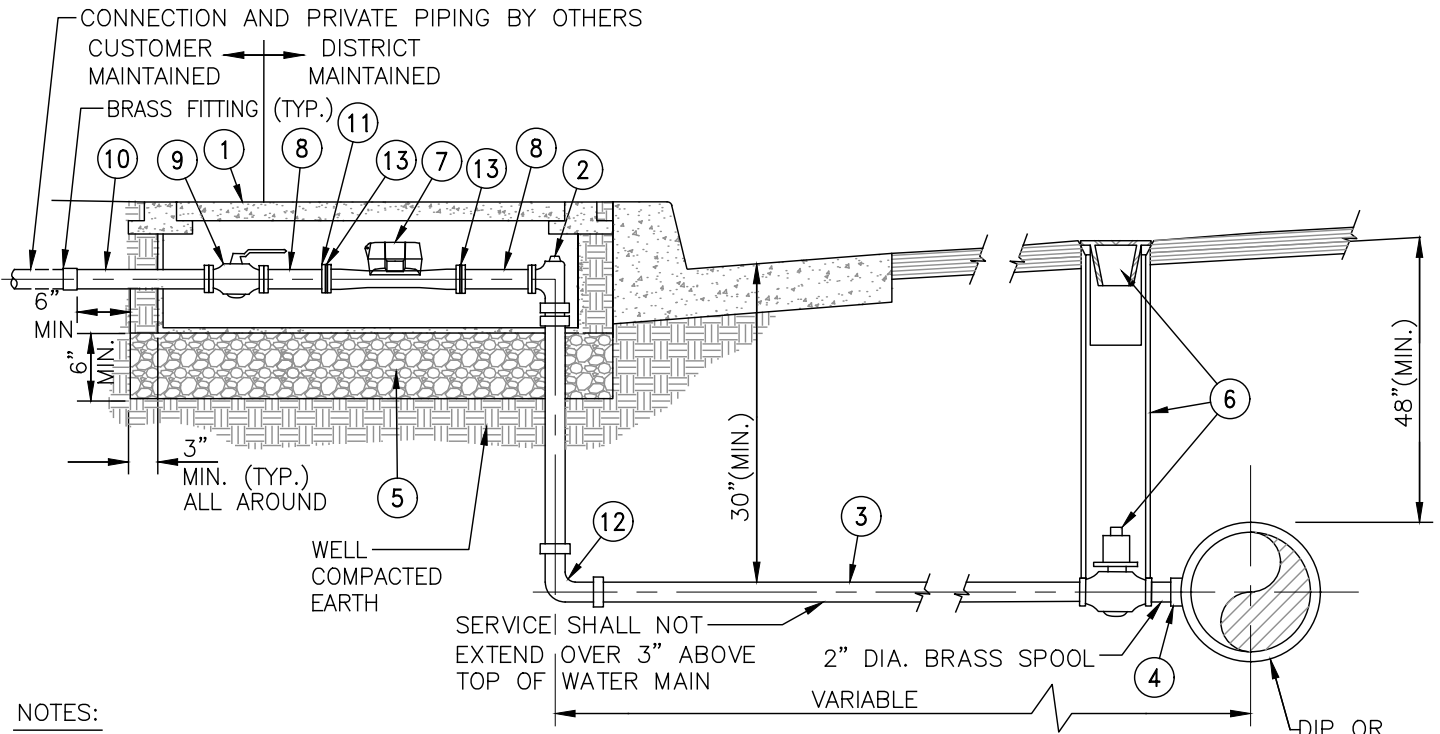
1. WHERE SIDEWALK IS DIRECTLY BEHIND CURB, LOCATE METER BOX RIGHT BEHIND THE SIDEWALK.
2. WHERE PARKWAY IS DIRECTLY BEHIND CURB, LOCATE METER BOX RIGHT BEHIND THE CURB.
3. PIPE THREADS SHALL BE CLEAN AND SHARP AND SEALED WITH AN APPROVED JOINT COMPOUND.
4. METER SHALL NOT BE PLACED IN DRAINAGE AREA, DEPRESSIONS OR WITHIN TWO FEET OF A DRIVEWAY APPROACH.
5. DISTRICT MAINTAINED: ANGLE METER, METER, METER TAIL, CHECK VALVE, NIPPLE
6. CUSTOMER MAINTAINED: BRASS BALL VALVE

| ITEM | DESCRIPTION |
|------|--|
| ① | J & R POLYMER CONCRETE METER BOX P-W 6B WITH ONE PIECE COVER OR APPROVED EQUAL. USE METER BOX P-W 6B-20K FOR INCIDENTAL TRAFFIC CONDITIONS, CHECK FOR H2O RATED (FOR E-METER READ, THE METER BOX LID SHALL BE POLYMER CONCRETE COVER WITH QUICK READ PORT, BADGER METER ENDPOINT: ORION CELL-C). |
| ② | 2"x1-1/2" BRONZE BALL ANGLE METER STOP W/ LOCK WING |
| ③ | 2" DIA. PLASTIC COATED COPPER PIPE, TYPE K, COPPER PIPE WITH BRONZE FITTING (PACK JOINT) FROM SERVICE CONNECTION TO RISER. |
| ④ | BLK. STL. STD. COUPLING TO PIPE W/ COLLAR PER STD. D-6 (FOR STEEL WATERMAIN) |
| ⑤ | 3/4" DIA. CRUSHED ROCK |
| ⑥ | 2" DIA. QUARTER TURN BALL VALVE W/ 2" SQ. OPERATING NUT, 6" DIA. VALVE CAN PER STD. DWG. B-1 (M.I.P. X PACK JOINT) |
| ⑦ | 1-1/2" BADGER E-SERIES METER, FURNISHED BY THE DISTRICT |
| ⑧ | 1-1/2" DIA. BRASS PIPE W/ 1-1/2" DIA. BRONZE SPRING CHECK VALVE |
| ⑨ | 1-1/2" BRASS BALL VALVE W/ HANDLE. NOTE: NOT REQUIRED IF BACKFLOW ASSEMBLY IS REQUIRED |
| ⑩ | MIN. 12" BRASS SPOOL WITH PROTECTIVE WRAP |
| ⑪ | OVAL SHAPED COMPANION FLANGE TO MATCH METER |
| ⑫ | BRASS 90° BEND PACK JOINT BOTH SIDES |
| ⑬ | 1-1/2" VOLTACEPT TROJAN FLANGE ISOLATION KIT BY APS WITH NUTS, BOLTS, WASHERS, SLEEVES, AND G-10 CATHODIC WATER METER ISOLATING GASKET. |

JURUPA COMMUNITY SERVICES DISTRICT

| | | |
|---|--|----------------|
| SCALE: NONE | 1-1/2" METER, 2" SERVICE DETAIL | DRAWING NO. |
| DATE: JANUARY 2026 | FOR RECYCLED/NON-POTABLE WATER LINE | R/NP-9A |
| APPROVED BY: | APPROVED BY: | |
| Jesse Pompa, Dir. Of Eng. & Wtr Resources | Matthew Abel, Dir. Of Ops. | |

REV.



NOTES:

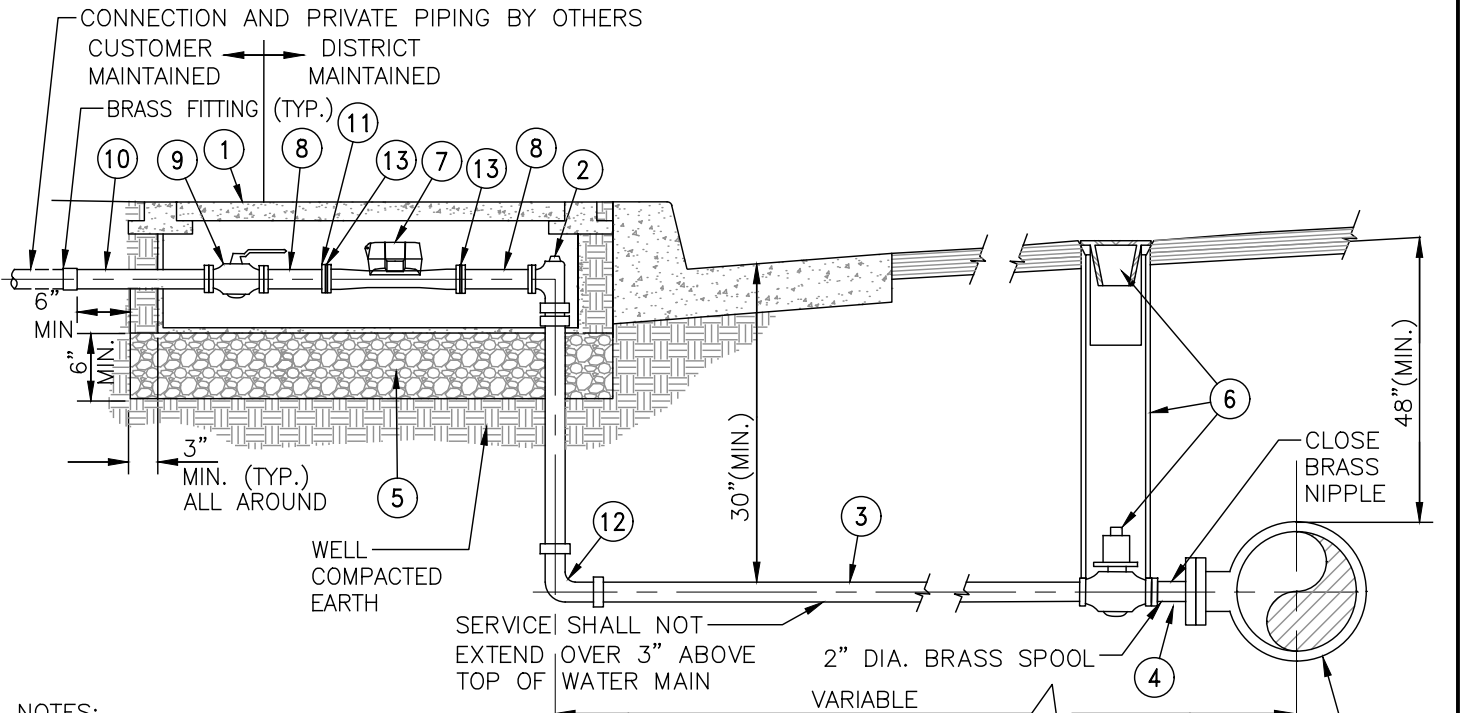
1. WHERE SIDEWALK IS DIRECTLY BEHIND CURB, LOCATE METER BOX RIGHT BEHIND THE SIDEWALK.
2. WHERE PARKWAY IS DIRECTLY BEHIND CURB, LOCATE METER BOX RIGHT BEHIND THE CURB.
3. PIPE THREADS SHALL BE CLEAN AND SHARP AND SEALED WITH AN APPROVED JOINT COMPOUND.
4. METER SHALL NOT BE PLACED IN DRAINAGE AREA, DEPRESSIONS OR WITHIN TWO FEET OF A DRIVEWAY APPROACH.
5. DISTRICT MAINTAINED: ANGLE METER, METER, METER TAIL, CHECK VALVE, NIPPLE
6. CUSTOMER MAINTAINED: BRASS BALL VALVE

| ITEM | DESCRIPTION |
|------|--|
| ① | J & R POLYMER CONCRETE METER BOX P-W 6B WITH ONE PIECE COVER OR APPROVED EQUAL. USE METER BOX P-W 6B-20K FOR INCIDENTAL TRAFFIC CONDITIONS, CHECK FOR H2O RATED (FOR E-METER READ, THE METER BOX LID SHALL BE POLYMER CONCRETE COVER WITH QUICK READ PORT, BADGER METER ENDPOINT: ORION CELL-C). |
| ② | 2"x1-1/2" BRONZE BALL ANGLE METER STOP W/ LOCK WING |
| ③ | 2" DIA. PLASTIC COATED COPPER PIPE, TYPE K, COPPER PIPE SHALL BE CONTINUOUS WITH NO JOINTS FROM SERVICE CONNECTION TO RISER, COLOR PURPLE |
| ④ | WATERMAIN DIA. x 2", SERVICE SADDLE PER DISTRICT SPECIFICATIONS (FOR C909 PVC OR DUCTILE IRON RECYCLED WATERMAIN) |
| ⑤ | 3/4" DIA. CRUSHED ROCK |
| ⑥ | 2" DIA. QUARTER TURN BALL VALVE W/ 2" SQ. OPERATING NUT, 6" DIA. VALVE CAN PER STD. DWG. R/NP-6 (M.I.P. X COMPRESSION) |
| ⑦ | 1-1/2" BADGER E-SERIES METER, FURNISHED BY THE DISTRICT |
| ⑧ | 1-1/2" DIA. BRASS PIPE W/ 1-1/2" DIA. BRONZE SPRING CHECK VALVE |
| ⑨ | 1-1/2" BRASS BALL VALVE W/ HANDLE. NOTE: NOT REQUIRED IF BACKFLOW ASSEMBLY IS REQUIRED |
| ⑩ | MIN. 12" BRASS SPOOL WITH PROTECTIVE WRAP |
| ⑪ | OVAL SHAPED COMPANION FLANGE TO MATCH METER |
| ⑫ | BRASS 90° BEND PACK JOINT BOTH SIDES |
| ⑬ | 1-1/2" VOLTACEPT TROJAN FLANGE ISOLATION KIT BY APS WITH NUTS, BOLTS, WASHERS, SLEEVES, AND G-10 CATHODIC WATER METER ISOLATING GASKET. |

JURUPA COMMUNITY SERVICES DISTRICT

| | | |
|---|--|----------------|
| SCALE: NONE | 1-1/2" METER, 2" SERVICE DETAIL | DRAWING NO. |
| DATE: JANUARY 2026 | FOR RECYCLED/NON-POTABLE WATER LINE | R/NP-9B |
| APPROVED BY: | APPROVED BY: | |
| Jesse Pompa, Dir. Of Eng. & Wtr Resources | Matthew Abel, Dir. Of Ops. | |

REV.



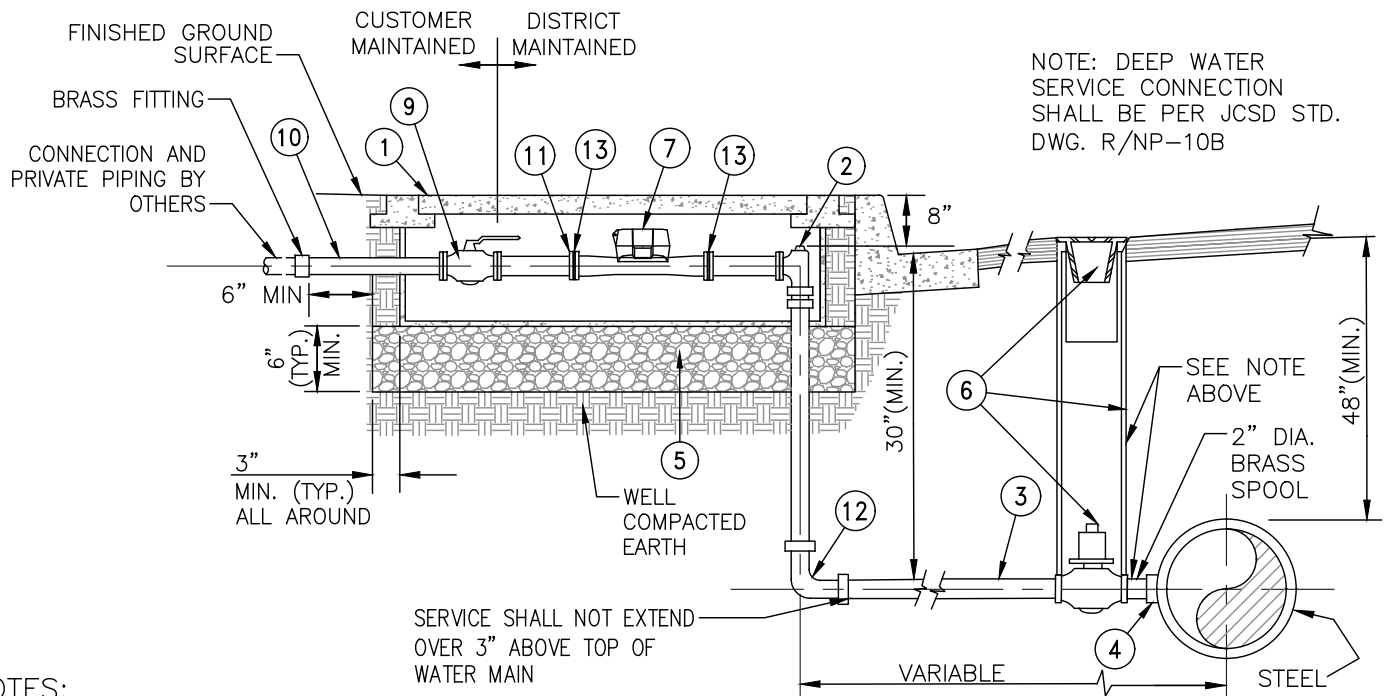
NOTES:

1. WHERE SIDEWALK IS DIRECTLY BEHIND CURB, LOCATE METER BOX RIGHT BEHIND THE SIDEWALK.
2. WHERE PARKWAY IS DIRECTLY BEHIND CURB, LOCATE METER BOX RIGHT BEHIND THE CURB.
3. PIPE THREADS SHALL BE CLEAN AND SHARP AND SEALED WITH AN APPROVED JOINT COMPOUND.
4. METER SHALL NOT BE PLACED IN DRAINAGE AREA, DEPRESSIONS OR WITHIN TWO FEET OF A DRIVEWAY APPROACH.
5. DISTRICT MAINTAINED: ANGLE METER, METER, METER TAIL, CHECK VALVE, NIPPLE
6. CUSTOMER MAINTAINED: BRASS BALL VALVE

| ITEM | DESCRIPTION |
|------|--|
| ① | J & R POLYMER CONCRETE METER BOX P-W 6B WITH ONE PIECE COVER OR APPROVED EQUAL. USE METER BOX P-W 6B-20K FOR INCIDENTAL TRAFFIC CONDITIONS, CHECK FOR H2O RATED (FOR E-METER READ, THE METER BOX LID SHALL BE POLYMER CONCRETE COVER WITH QUICK READ PORT, BADGER METER ENDPOINT: ORION CELL-C). |
| ② | 2"x1-1/2" BRONZE BALL ANGLE METER STOP W/ LOCK WING |
| ③ | 2" DIA. PLASTIC COATED COPPER PIPE, TYPE K, COPPER PIPE SHALL BE CONTINUOUS WITH NO JOINTS FROM SERVICE CONNECTION TO RISER, COLOR PURPLE |
| ④ | DUCTILE IRON TEE (MAINLINE SIZE (MJ) X BRANCH SIZE (FL)) WITH DUCTILE IRON BLIND FLANGE, CLASS 125, DRILLED AND TAPPED 1" I.P.T. FOR CORP STOP |
| ⑤ | 3/4" DIA. CRUSHED ROCK |
| ⑥ | 2" DIA. QUARTER TURN BALL VALVE W/ 2" SQ. OPERATING NUT, 6" DIA. VALVE CAN PER STD. DWG. R/NP-6 (M.I.P. X COMPRESSION) |
| ⑦ | 1-1/2" BADGER E-SERIES METER, FURNISHED BY THE DISTRICT |
| ⑧ | 1-1/2" DIA. BRASS PIPE W/ 1-1/2" DIA. BRONZE SPRING CHECK VALVE |
| ⑨ | 1-1/2" BRASS BALL VALVE W/ HANDLE. NOTE: NOT REQUIRED IF BACKFLOW ASSEMBLY IS REQUIRED |
| ⑩ | MIN. 12" BRASS SPOOL WITH PROTECTIVE WRAP |
| ⑪ | OVAL SHAPED COMPANION FLANGE TO MATCH METER |
| ⑫ | BRASS 90° BEND PACK JOINT BOTH SIDES |
| ⑬ | 1-1/2" VOLTACEPT TROJAN FLANGE ISOLATION KIT BY APS WITH NUTS, BOLTS, WASHERS, SLEEVES, AND G-10 CATHODIC WATER METER ISOLATING GASKET. |

JURUPA COMMUNITY SERVICES DISTRICT

| | | |
|---|--|----------------|
| SCALE: NONE | 1-1/2" METER, 2" SERVICE DETAIL | DRAWING NO. |
| DATE: JANUARY 2026 | FOR RECYCLED/NON-POTABLE WATER LINE | R/NP-9C |
| APPROVED BY: | APPROVED BY: | |
| Jesse Pompa, Dir. Of Eng. & Wtr Resources | Matthew Abel, Dir. Of Ops. | |



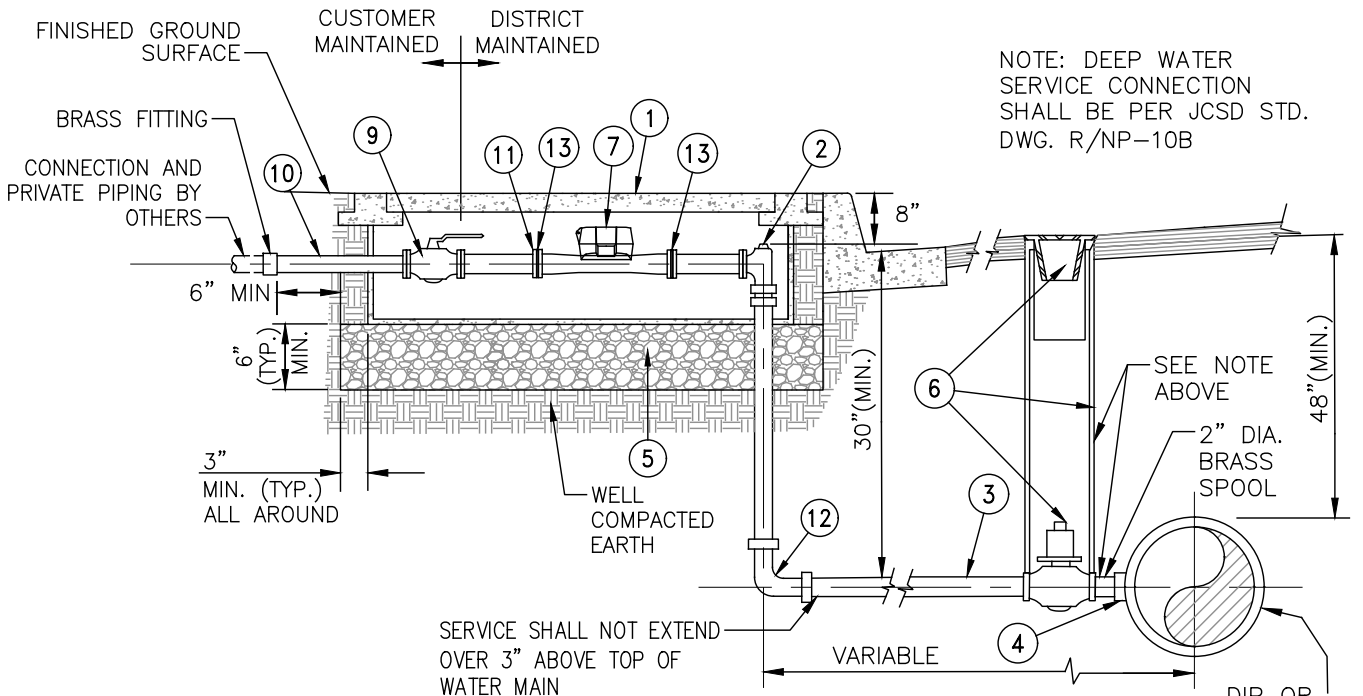
NOTES:

1. WHERE SIDEWALK IS DIRECTLY BEHIND CURB, LOCATE METER BOX RIGHT BEHIND THE SIDEWALK.
2. WHERE PARKWAY IS DIRECTLY BEHIND CURB, LOCATE METER BOX RIGHT BEHIND THE CURB.
3. PIPE THREADS SHALL BE CLEAN AND SHARP AND SEALED WITH AN APPROVED JOINT COMPOUND.
4. METER SHALL NOT BE PLACED IN DRAINAGE AREA, DEPRESSIONS OR WITHIN TWO FEET OF A DRIVEWAY APPROACH.
5. PROVIDE 2" BRASS BALL VALVE W/ HANDLE BEHIND METER IN METER BOX IF BACKFLOW DEVICE IS NOT INSTALLED.
6. DISTRICT MAINTAINED: ANGLE METER, METER, METER TAIL, CHECK VALVE, NIPPLE
7. CUSTOMER MAINTAINED: BRASS BALL VALVE

| ITEM | DESCRIPTION |
|------|--|
| ① | J & R POLYMER CONCRETE METER BOX P-W 6B WITH ONE PIECE COVER OR APPROVED EQUAL. USE METER BOX P-W 6B-20K FOR INCIDENTAL TRAFFIC CONDITIONS, CHECK FOR H2O RATED (FOR E-METER READ, THE METER BOX LID SHALL BE POLYMER CONCRETE COVER WITH QUICK READ PORT, BADGER METER ENDPOINT: ORION CELL-C). |
| ② | 2" BRONZE BALL ANGLE METER STOP W/LOCK WING |
| ③ | 2" DIA. PLASTIC COATED COPPER PIPE, TYPE K, COPPER PIPE SHALL BE CONTINUOUS WITH NO JOINTS FROM SERVICE CONNECTION TO RISER, COLOR PURPLE. |
| ④ | BLK. STL. STD. COUPLING TO PIPE W/ COLLAR PER STD. D-6 (FOR STEEL RECYCLED WATERMAIN) |
| ⑤ | 3/4" DIA. CRUSHED ROCK |
| ⑥ | 2" DIA. QUARTER TURN BALL VALVE (MIP X PACK JOINT) W/ 2" SQ. OPERATING NUT, 6" DIA. VALVE CAN PER STD. DWG. R/NP-6 |
| ⑦ | 2" BADGER E-SERIES METER, FURNISHED BY THE DISTRICT |
| ⑧ | NOT USED |
| ⑨ | 2" BRASS BALL VALVE W/ HANDLE. |
| ⑩ | 2" BRASS PIPE WITH PROTECTIVE WRAP, FIELD ADJUST (MAINTAIN 12" MIN. BETWEEN ANGLE STOP & METER FLANGES) |
| ⑪ | OVAL SHAPED COMPANION FLANGE TO MATCH METER (PROVIDE DOUBLE MALE THREADED NIPPLE IF BALL VALVE IS INSTALLED) |
| ⑫ | BRASS 90° BEND PACK JOINT BOTH SIDES |
| ⑬ | 2" VOLTACEPT TROJAN FLANGE ISOLATION KIT BY APS WITH NUTS, BOLTS, WASHERS, SLEEVES, AND G-10 CATHODIC WATER METER ISOLATING GASKET. |

JURUPA COMMUNITY SERVICES DISTRICT

| | | |
|---|--|-----------------|
| SCALE: NONE | 2" METER, 2" SERVICE DETAIL FOR RECYCLED/NON-POTABLE WATER LINE | DRAWING NO. |
| DATE: JANUARY 2026 | | R/NP-10A |
| APPROVED BY: | APPROVED BY: | |
| Jesse Pompa, Dir. Of Eng. & Wtr Resources | Matthew Abel, Dir. Of Ops. | |



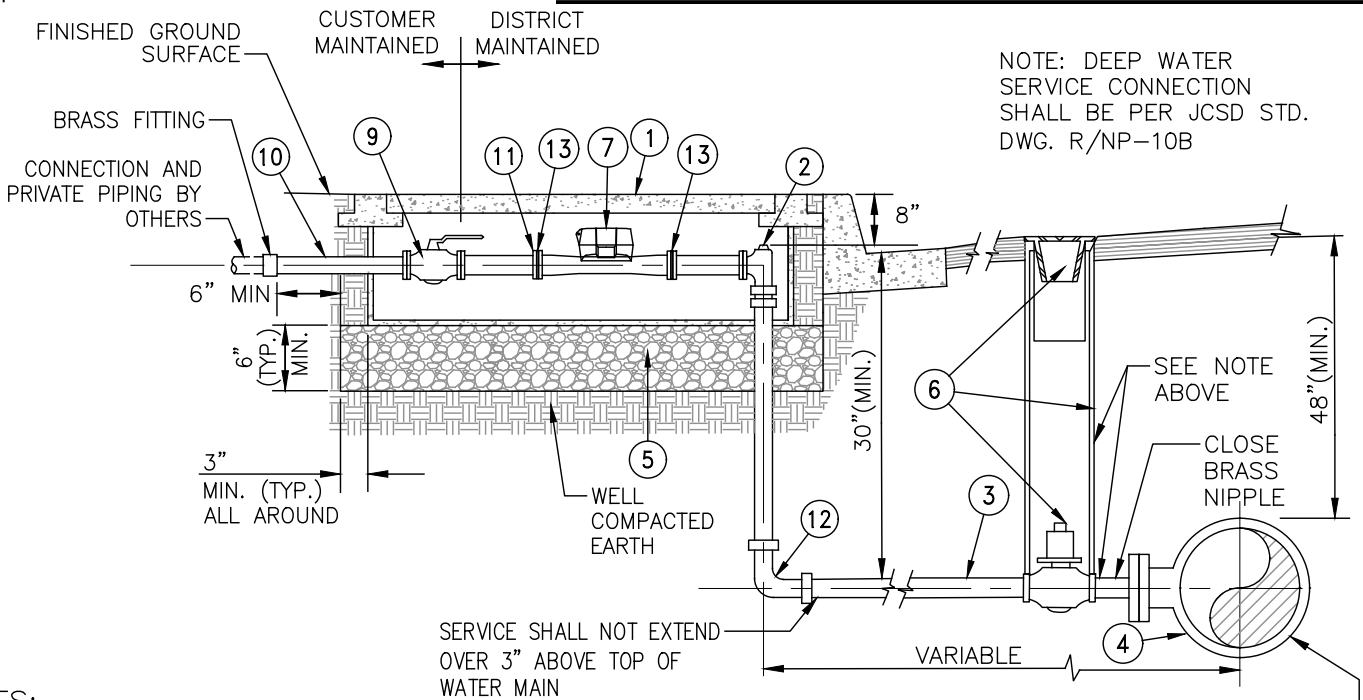
NOTES:

1. WHERE SIDEWALK IS DIRECTLY BEHIND CURB, LOCATE METER BOX RIGHT BEHIND THE SIDEWALK.
2. WHERE PARKWAY IS DIRECTLY BEHIND CURB, LOCATE METER BOX RIGHT BEHIND THE CURB.
3. PIPE THREADS SHALL BE CLEAN AND SHARP AND SEALED WITH AN APPROVED JOINT COMPOUND.
4. METER SHALL NOT BE PLACED IN DRAINAGE AREA, DEPRESSIONS OR WITHIN TWO FEET OF A DRIVEWAY APPROACH.
5. PROVIDE 2" BRASS BALL VALVE W/ HANDLE BEHIND METER IN METER BOX IF BACKFLOW DEVICE IS NOT INSTALLED.
6. DISTRICT MAINTAINED: ANGLE METER, METER, METER TAIL, CHECK VALVE, NIPPLE
7. CUSTOMER MAINTAINED: BRASS BALL VALVE

| ITEM | DESCRIPTION |
|------|--|
| ① | J & R POLYMER CONCRETE METER BOX P-W 6B WITH ONE PIECE COVER OR APPROVED EQUAL. USE METER BOX P-W 6B-20K FOR INCIDENTAL TRAFFIC CONDITIONS, CHECK FOR H2O RATED (FOR E-METER READ, THE METER BOX LID SHALL BE POLYMER CONCRETE COVER WITH QUICK READ PORT, BADGER METER ENDPOINT: ORION CELL-C). |
| ② | 2" BRONZE BALL ANGLE METER STOP W/LOCK WING |
| ③ | 2" DIA. PLASTIC COATED COPPER PIPE, TYPE K, COPPER PIPE SHALL BE CONTINUOUS WITH NO JOINTS FROM SERVICE CONNECTION TO RISER, COLOR PURPLE. |
| ④ | RECYCLED WATERMAIN DIA. X 2" SERVICE SADDLE PER DISTRICT SPECIFICATIONS (FOR C909 PVC OR DUCTILE IRON RECYCLED WATERMAIN) |
| ⑤ | 3/4" DIA. CRUSHED ROCK |
| ⑥ | 2" DIA. QUARTER TURN BALL VALVE (MIP X PACK JOINT) W/ 2" SQ. OPERATING NUT, 6" DIA. VALVE CAN PER STD. DWG. R/NP-6 |
| ⑦ | 2" BADGER E-SERIES METER, FURNISHED BY THE DISTRICT |
| ⑧ | NOT USED |
| ⑨ | 2" BRASS BALL VALVE W/ HANDLE. |
| ⑩ | 2" BRASS PIPE WITH PROTECTIVE WRAP, FIELD ADJUST (MAINTAIN 12" MIN. BETWEEN ANGLE STOP & METER FLANGES) |
| ⑪ | OVAL SHAPED COMPANION FLANGE TO MATCH METER (PROVIDE DOUBLE MALE THREADED NIPPLE IF BALL VALVE IS INSTALLED) |
| ⑫ | BRASS 90° BEND PACK JOINT BOTH SIDES |
| ⑬ | 2" VOLTACEPT TROJAN FLANGE ISOLATION KIT BY APS WITH NUTS, BOLTS, WASHERS, SLEEVES, AND G-10 CATHODIC WATER METER ISOLATING GASKET. |

JURUPA COMMUNITY SERVICES DISTRICT

| | | |
|---|--|-----------------|
| SCALE: NONE | 2" METER, 2" SERVICE DETAIL FOR RECYCLED/NON-POTABLE WATER LINE | DRAWING NO. |
| DATE: JANUARY 2026 | | R/NP-10B |
| APPROVED BY: | APPROVED BY: | |
| Jesse Pompa, Dir. Of Eng. & Wtr Resources | Matthew Abel, Dir. Of Ops. | |



NOTES:

1. WHERE SIDEWALK IS DIRECTLY BEHIND CURB, LOCATE METER BOX RIGHT BEHIND THE SIDEWALK.
2. WHERE PARKWAY IS DIRECTLY BEHIND CURB, LOCATE METER BOX RIGHT BEHIND THE CURB.
3. PIPE THREADS SHALL BE CLEAN AND SHARP AND SEALED WITH AN APPROVED JOINT COMPOUND.
4. METER SHALL NOT BE PLACED IN DRAINAGE AREA, DEPRESSIONS OR WITHIN TWO FEET OF A DRIVEWAY APPROACH.
5. PROVIDE 2" BRASS BALL VALVE W/ HANDLE BEHIND METER IN METER BOX IF BACKFLOW DEVICE IS NOT INSTALLED.
6. DISTRICT MAINTAINED: ANGLE METER, METER, METER TAIL, CHECK VALVE, NIPPLE
7. CUSTOMER MAINTAINED: BRASS BALL VALVE

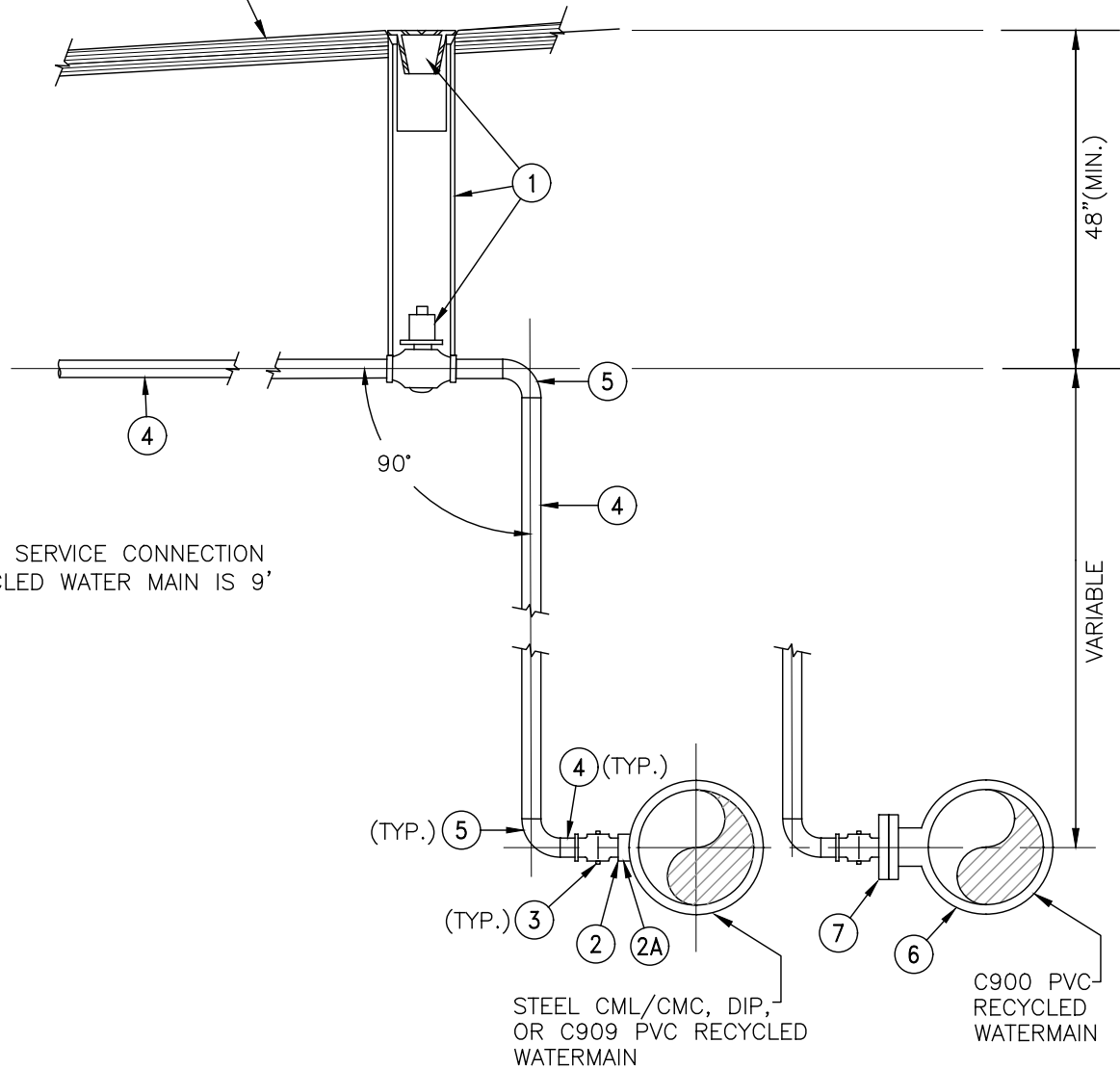
C900 PVC RECYCLED WATERMAIN

| ITEM | DESCRIPTION |
|------|--|
| ① | J & R POLYMER CONCRETE METER BOX P-W 6B WITH ONE PIECE COVER OR APPROVED EQUAL. USE METER BOX P-W 6B-20K FOR INCIDENTAL TRAFFIC CONDITIONS, CHECK FOR H2O RATED (FOR E-METER READ, THE METER BOX LID SHALL BE POLYMER CONCRETE COVER WITH QUICK READ PORT, BADGER METER ENDPOINT: ORION CELL-C). |
| ② | 2" BRONZE BALL ANGLE METER STOP W/LOCK WING |
| ③ | 2" DIA. PLASTIC COATED COPPER PIPE, TYPE K, COPPER PIPE SHALL BE CONTINUOUS WITH NO JOINTS FROM SERVICE CONNECTION TO RISER, COLOR PURPLE. |
| ④ | DUCTILE IRON TEE (MAINLINE SIZE (MJ) X BRANCH SIZE (FL)) WITH DUCTILE IRON BLIND FLANGE, CLASS 125, DRILLED AND TAPPED 1" I.P.T. FOR CORP STOP |
| ⑤ | 3/4" DIA. CRUSHED ROCK |
| ⑥ | 2" DIA. QUARTER TURN BALL VALVE (MIP X PACK JOINT) W/ 2" SQ. OPERATING NUT, 6" DIA. VALVE CAN PER STD. DWG. R/NP-6 |
| ⑦ | 2" AMI ULTRASONIC METER, FURNISHED BY THE CONTRACTOR |
| ⑧ | NOT USED |
| ⑨ | 2" BRASS BALL VALVE W/ HANDLE. |
| ⑩ | 2" BRASS PIPE WITH PROTECTIVE WRAP, FIELD ADJUST (MAINTAIN 12" MIN. BETWEEN ANGLE STOP & METER FLANGES) |
| ⑪ | OVAL SHAPED COMPANION FLANGE TO MATCH METER (PROVIDE DOUBLE MALE THREADED NIPPLE IF BALL VALVE IS INSTALLED) |
| ⑫ | BRASS 90° BEND PACK JOINT BOTH SIDES |
| ⑬ | 2" VOLTACEPT TROJAN FLANGE ISOLATION KIT BY APS WITH NUTS, BOLTS, WASHERS, SLEEVES, AND G-10 CATHODIC WATER METER ISOLATING GASKET. |

JURUPA COMMUNITY SERVICES DISTRICT

| | | |
|---|--|-----------------|
| SCALE: NONE | 2" METER, 2" SERVICE DETAIL FOR RECYCLED/NON-POTABLE WATER LINE | DRAWING NO. |
| DATE: JANUARY 2026 | | R/NP-10C |
| APPROVED BY: | APPROVED BY: | |
| Jesse Pompa, Dir. Of Eng. & Wtr Resources | Matthew Abel, Dir. Of Ops. | |

FINISHED GROUND SURFACE



NOTE:
INSTALL THIS SERVICE CONNECTION
WHEN RECYCLED WATER MAIN IS 9'
OR DEEPER

STEEL CML/CMC, DIP,
OR C909 PVC RECYCLED
WATERMAIN

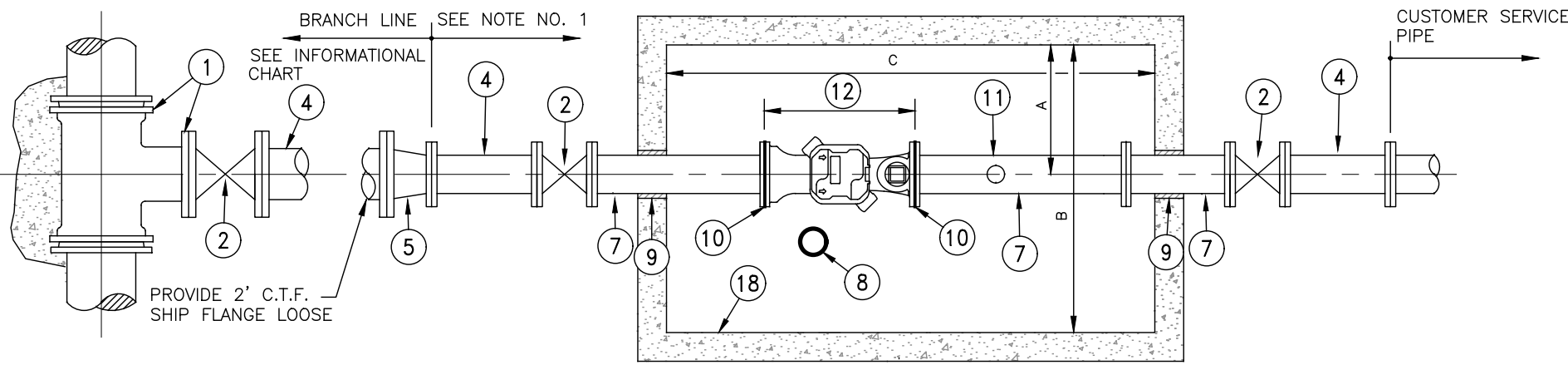
C900 PVC
RECYCLED
WATERMAIN

| ITEM | DESCRIPTION |
|------|---|
| ① | 2" DIA. QUARTER TURN BALL VALVE (MIP X COMPRESSION) W/ 2" SQ. OPERATING NUT, 6" DIA. VALVE CAN PER STD. DWG. R/NP-6 |
| ② | BLK. STL. STD. COUPLING TO PIPE W/ COLLAR PER STD. D-6 (STEEL RECYCLED WATERMAIN) |
| ②A | WATERMAIN DIA. x 2", SERVICE SADDLE PER DISTRICT SPECIFICATIONS (DIP, C909 PVC RECYCLED WATERMAIN) |
| ③ | 2" DIA. BALL CORP. STOP M.I.P. X COMPRESSION |
| ④ | 2" COPPER WATER SERVICE, TYPE "K", W/ PROTECTIVE WRAP PER SPECIFICATIONS, COLOR PURPLE |
| ⑤ | COMPRESSION 90° ELBOW W/ LOCK RING |
| ⑥ | DUCTILE IRON TEE (MAINLINE SIZE (MJ) X BRANCH SIZE (FL)). |
| ⑦ | DUCTILE IRON BLIND FLANGE, CLASS 125, DRILLED AND TAPPED 2" I.P.T. (C900 PVC RECYCLED WATERMAIN) |

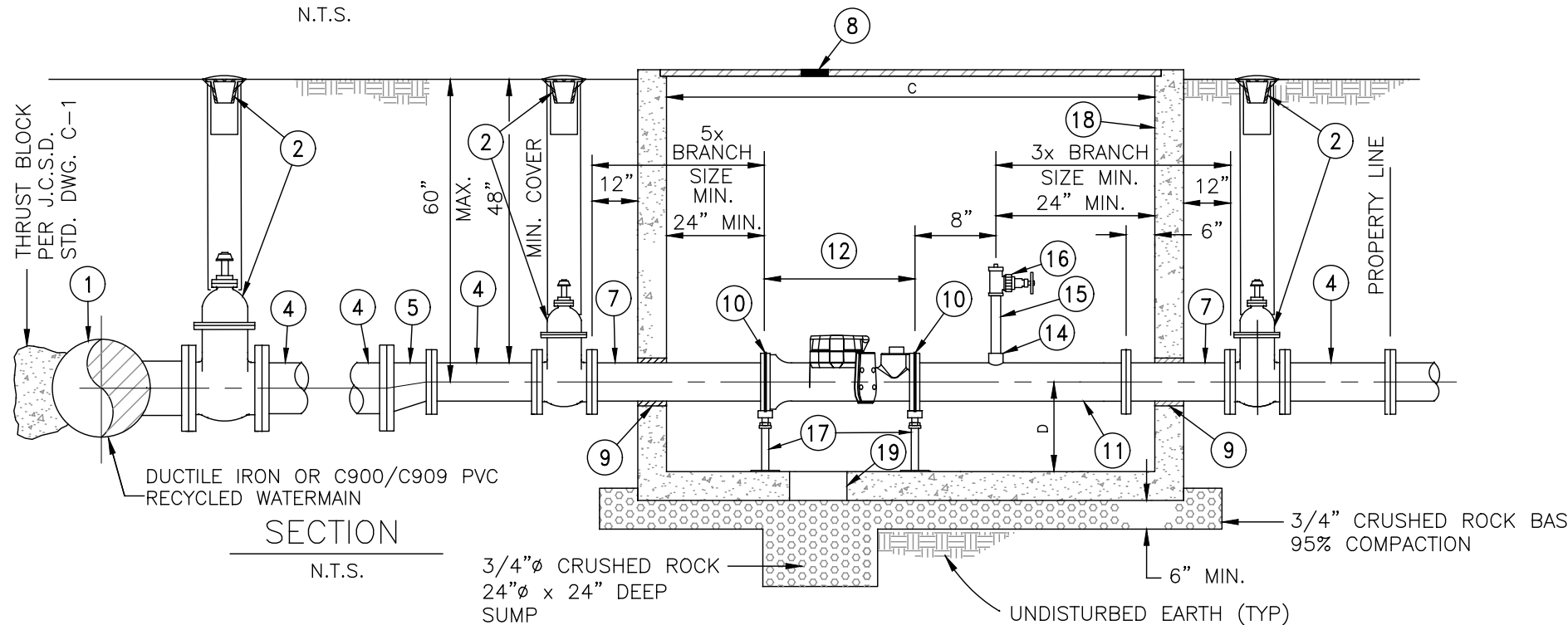
JURUPA COMMUNITY SERVICES DISTRICT

| | | |
|--|--|-----------------|
| SCALE: NONE | DEEP SERVICE CONNECTION FOR RECYCLED/NON-POTABLE WATER LINE | DRAWING NO. |
| DATE: JANUARY 2026 | | R/NP-10D |
| APPROVED BY:  Jesse Pompa, Dir. Of Eng. & Wtr Resources | APPROVED BY:  Matthew Abel, Dir. Of Ops. | |

REV.



PLAN
N.T.S.



SECTION
N.T.S.

NOTES:

1. DIAMETERS FOR PIPELINE & APPURTENANCES SHALL BE EQUAL TO THE METER SIZE.
2. THE WATER SERVICE VAULT SHALL BE LOCATED & INSTALLED SUBJECT TO APPROVAL OF THE DISTRICT. WHERE VAULT IS INSTALLED IN PARKWAY WITH CURB AND SIDEWALK, THE VAULT SHALL BE PLACED PARALLEL TO THE CURB LINE AND PIPING.
3. ADJUST VAULT AND COVER TO MEET SIDEWALK & CURB GRADE.
4. VALVE COVER, POST INDICATOR, AND ALL METAL INSIDE VAULT TO BE PAINTED WITH PRIMER AND TWO (2) COATS OF PURPLE PAINT PER DISTRICT SPECIFICATION NO PRIMER ON BRASS OR BRONZE.
5. ALL FIELD JOINTS SHALL BE FLANGED UNLESS OTHERWISE INDICATED. ALL WELDED JOINTS ON EPOXY LINED STD. WT. PIPE SHALL BE SHOP FABRICATED & ALL EPOXY LINING SHALL BE SHOP APPLIED.
6. PIPE THREADS SHALL BE CLEAN AND SHARP, AND SEALED WITH APPROVED JOINT COMPOUND.
7. SHOULD THE DEPTH OF THE VAULT EXCEED FOUR (4) FEET, AN OSHA APPROVED LADDER ATTACHED TO AN INSIDE WALL SHALL BE PROVIDED. THE LOCATION OF THE LADDER SHALL BE AS DIRECTED BY THE DISTRICT.

| ITEM | DESCRIPTION |
|------|---|
| 1 | DUCTILE IRON TEE (MAINLINE SIZE (MJ) X REQUIRED BRANCH SIZE (FL)) |
| 2 | 6" DIA. VALVE BOX AND GATE VALVE INSTALLATION PER J.C.S.D. STD. DWG. NO. R/NP-6 (VALVE SIZE TO MATCH PIPE SIZE). |
| 3 | NOT USED |
| 4 | FLANGED D.I. SPOOL PAINTED WITH PRIMER AND TWO (2) COATS OF PURPLE PAINT COLOR PANTONE 522C PER DISTRICT SPECIFICATIONS. |
| 5 | BRANCH x METER SIZE "FLAT TOP" D.I. FLANGED REDUCER. |
| 6 | NOT USED |
| 7 | FLANGED D.I. SPOOL |
| 8 | FLUSH FIT REMOTE METER READ INSTALLATION FOR METER ENDPOINT, NICOR VAULT KIT, 8" DIA. TOP AND BOTTOM PLATES WITH BOLTS, 8" DIA. HOLE IN LID. |
| 9 | KNOCKOUTS AS REQUIRED (2" LARGER THAN PIPE SIZE O.D. ALL AROUND) DRY PACK ALL AROUND PIPE. |
| 10 | VOLTACEPT TROJAN FLANGE ISOLATION KIT BY APS WITH NUTS, BOLTS, WASHERS, SLEEVES, AND G-10 CATHODIC WATER METER ISOLATION GASKET. |
| 11 | REMOVE AN ADEQUATE AMOUNT OF CMC TO ALLOW PROPER INSTALLATION OF THE FLANGE COUPLING ADAPTOR. PAINT BARE METAL PER NOTE 4. |
| 12 | AMI ULTRASONIC METER (FURNISHED BY CONTRACTOR/DEVELOPER AS APPROVED BY DISTRICT). ADD PURPLE TAG AND SECURE TO METER. |
| 13 | NOT USED |
| 14 | 2 1/2", 3/16" THICK WALL, COUPLING WELDED TO TOP OF PIPE. |
| 15 | 2 1/2" x 12" LONG STD. BRASS THREADED NIPPLE. |
| 16 | 2 1/2" SCREWED FIRE PROTECTION GATE VALVE, IPT x NST, WITH HOSE CAP & SAFETY CHAIN, ALL BRONZE, NRS, WITH MAL. IRON HAND WHEEL, 175 PSI MWWP; NIBCO MODEL NO. T-103-HC OR APPROVED EQUAL. |
| 17 | PIPE SUPPORT PER J.C.S.D. STD. DWG. NO. R/NP-5. |
| 18 | PRE-CAST CONCRETE VAULT WITH 2 PIECE TORSION HINGED GALVANIZED OR ALUMINUM COVER. QUICKSET OR APPROVED EQUAL. COVER TO BE SPECIFIED FOR TRAFFIC LOADS WHERE REQUIRED. PROVIDE 6" X 6" METER READING LID IN COVER. NOTE: DEPENDENT UPON SELECTED METER DIMENSIONS VAULT SIZE MAY NEED TO BE INCREASED TO MAINTAIN MINIMUM INTERNAL CLEARANCE DIMENSIONS SHOWN. |
| 19 | 12" DIA. SUMP |

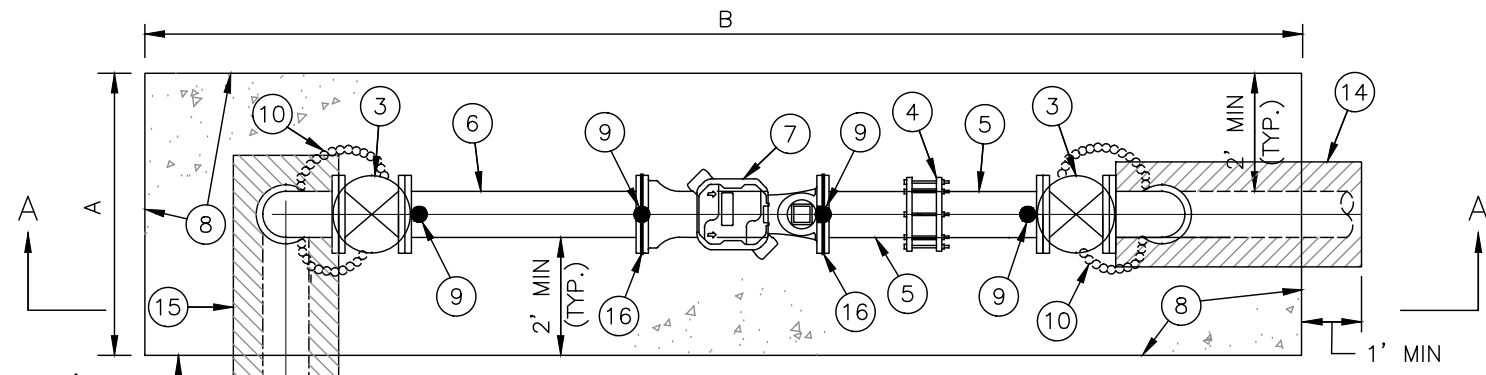
INFORMATIONAL CHART

| METER SIZE | BRANCH SIZE | DIMENSIONS | | | | MAXIMUM FLOW (GPM) |
|------------|-------------|------------|-------|-------|-------|--------------------|
| | | A | B | C | D | |
| 3" | 4" | 3'-0" | 6'-0" | 6'-0" | 1'-6" | 500 |
| 4" | 6" | 3'-0" | 6'-0" | 6'-0" | 1'-8" | 1000 |
| 6" | 8" | 3'-0" | 6'-0" | 6'-0" | 2'-0" | 2000 |
| 8" | 10" | 3'-0" | 6'-0" | 8'-0" | 2'-0" | 3500 |

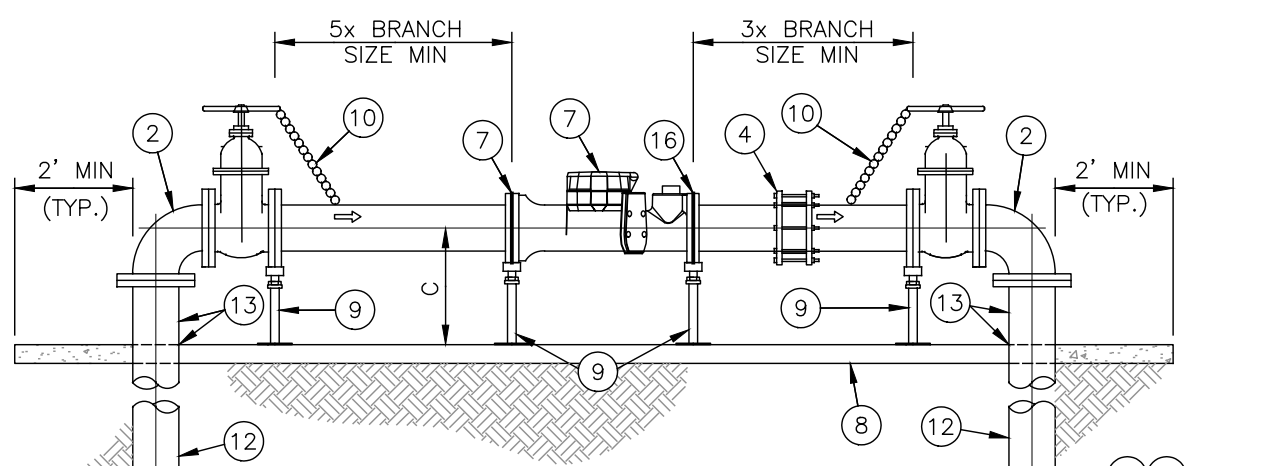
JURUPA COMMUNITY SERVICES DISTRICT

| | | |
|---|---|-----------------|
| SCALE: NONE | 3", 4", 6", & 8" SERVICE METER (PVC/DIP) FOR RECYCLED/NON-POTABLE WATER LINE | DRAWING NO. |
| DATE: JANUARY 2026 | | R/NP-12A |
| APPROVED BY: | APPROVED BY: | |
| Jesse Pompa, Dir. Of Eng. & Wtr Resources | Matthew Abel, Dir. Of Ops. | |

REV.



PLAN
N.T.S.
DIRECTION OF FLOW →



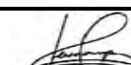
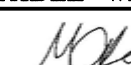
SECTION A-A
N.T.S.

| ITEM | DESCRIPTION |
|------|--|
| ① | FLANGED D.I. TEE (FUSION BONDED EPOXY LINED, SHOP EPOXY PRIMER AND FIELD APPLIED TWO (2) COATS, OUTSIDE PAINTED PURPLE). |
| ② | 90° FLANGED D.I. ELBOW (FUSION BONDED EPOXY LINED, SHOP EPOXY PRIMER AND FIELD APPLIED TWO (2) COATS, OUTSIDE PAINTED PURPLE) |
| ③ | FL X FL RESILIENT WEDGE GATE VALVE, PAINTED PURPLE. |
| ④ | FLANGE COUPLING ADAPTER. |
| ⑤ | FLANGE X PLAIN END D.I. SPOOL (LENGTH AS REQUIRED) FUSION BONDED EPOXY LINED, SHOP EPOXY PRIMER AND FIELD APPLIED TWO (2) COATS, OUTSIDE PAINTED PURPLE. |
| ⑥ | FLANGED D.I. SPOOL (LENGTH AS REQUIRED) FUSION BONDED EPOXY LINED, SHOP EPOXY PRIMER AND FIELD APPLIED TWO (2) COATS, OUTSIDE PAINTED PURPLE. |
| ⑦ | AMI ULTRASONIC METER (FURNISHED BY CONTRACTOR/DEVELOPER AS APPROVED BY DISTRICT). ADD PURPLE TAG AND SECURE TO METER. |
| ⑧ | 6" MIN. THICK CLASS "AA" CONCRETE PAD W/ 6"X6"X 10 GA. W.W.M. |
| ⑨ | PIPE SUPPORT PER J.C.S.D. STD. DWG. NO. R/NP-5. |
| ⑩ | 1 3/8" ZINC PLATED CHAIN (LENGTH AS REQUIRED - TO SECURE VALVE). |
| ⑪ | THRUST BLOCK PER J.C.S.D. STD. DWG. NO. C-1. |
| ⑫ | D.I. FLANGES, PIPE, AND FITTINGS SHALL BE DOUBLE CEMENT LINED AND BITUMINOUS COATING PER JCSD SPECIFICATIONS. FOR BELOW GRADE D.I.P. PROVIDE FOR DOUBLE POLYETHYLENE ENCASEMENT PER DISTRICT SPECIFICATIONS. |
| ⑬ | FOR BELOW TO ABOVE GRADE TRANSITION D.I.P., TRIM POLYETHYLENE ENCASEMENT AT THE TRANSITION AND PAINT ABOVE GRADE PORTION WITH PRIMER AND TWO (2) COATS OF PURPLE PAINT. |
| ⑭ | 90° D.I. ELBOW DOUBLE CEMENT LINED AND PER JCSD SPECIFICATIONS (FL X FL). |
| ⑮ | BACKFILL TRENCH W/ 2 SACK CEMENT SLURRY. |
| ⑯ | VOLTACEPT TROJAN FLANGE ISOLATION KIT BY APS WITH NUTS, BOLTS, WASHERS, SLEEVES, AND G-10 CATHODIC WATER METER ISOLATION GASKET. |
| ⑰ | FOR CONNECTION TO CML&C PIPE, PROVIDE TROJAN FLANGE ISOLATION KIT BY APS WITH NUTS, BOLTS, WASHERS, SLEEVES, AND TYPE E GASKETS. |

| METER SIZE | BRANCH SIZE | DIMENSIONS | | | MAXIMUM FLOW (GPM) |
|------------|-------------|------------|--------|-------|--------------------|
| | | A | B | C | |
| 3" | 4" | 5'-0" | 10'-0" | 1'-6" | 500 |
| 4" | 6" | 5'-0" | 10'-0" | 1'-8" | 1000 |
| 6" | 8" | 6'-0" | 13'-0" | 2'-0" | 2000 |
| 8" | 10" | 6'-0" | 15'-0" | 2'-0" | 3500 |

NOTES:

- DIAMETERS FOR PIPELINE & APPURTENANCES (EXCEPT BRANCH LINE) SHALL BE EQUAL TO THE METER SIZE.
- METER SHALL BE INSTALLED IN THE HORIZONTAL PLANE.
- ALL FIELD JOINTS SHALL BE FLANGED UNLESS OTHERWISE INDICATED. ALL WELDED JOINTS ON EPOXY LINED STD. WT. PIPE SHALL BE SHOP FABRICATED & ALL EPOXY LINING SHALL BE SHOP APPLIED.
- PIPE THREADS SHALL BE CLEAN AND SHARP, AND SEALED WITH APPROVED JOINT COMPOUND.
- PAINT SHALL BE SAFETY PURPLE.

| | | |
|---|---|--|
| JURUPA COMMUNITY SERVICES DISTRICT | | |
| SCALE: NONE | 3", 4", 6", & 8" ABOVE GRADE SERVICE METER FOR RECYCLED/NON-POTABLE WATER LINE | DRAWING NO. R/NP-12B |
| DATE: JANUARY 2026 | APPROVED BY:  | APPROVED BY:  |
| Jesse Pompa, Dir. Of Eng. & Wtr Resources | | Matthew Abel, Dir. Of Ops. |

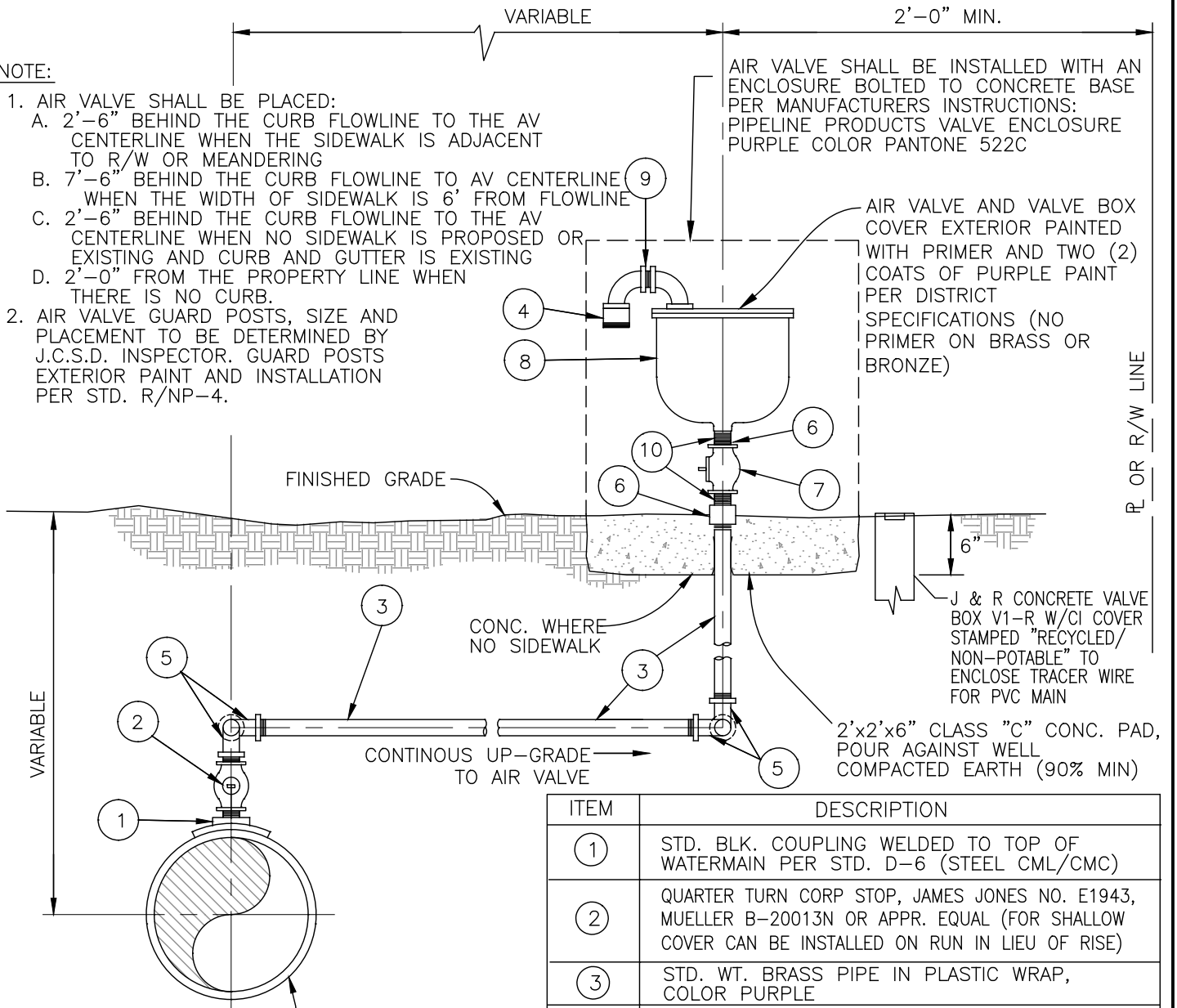
REV.

NOTE:

1. AIR VALVE SHALL BE PLACED:
 - A. 2'-6" BEHIND THE CURB FLOWLINE TO THE AV CENTERLINE WHEN THE SIDEWALK IS ADJACENT TO R/W OR MEANDERING
 - B. 7'-6" BEHIND THE CURB FLOWLINE TO AV CENTERLINE WHEN THE WIDTH OF SIDEWALK IS 6' FROM FLOWLINE
 - C. 2'-6" BEHIND THE CURB FLOWLINE TO THE AV CENTERLINE WHEN NO SIDEWALK IS PROPOSED EXISTING AND CURB AND GUTTER IS EXISTING
 - D. 2'-0" FROM THE PROPERTY LINE WHEN THERE IS NO CURB.
2. AIR VALVE GUARD POSTS, SIZE AND PLACEMENT TO BE DETERMINED BY J.C.S.D. INSPECTOR. GUARD POSTS EXTERIOR PAINT AND INSTALLATION PER STD. R/NP-4.

AIR VALVE SHALL BE INSTALLED WITH AN ENCLOSURE BOLTED TO CONCRETE BASE PER MANUFACTURERS INSTRUCTIONS: PIPELINE PRODUCTS VALVE ENCLOSURE PURPLE COLOR PANTONE 522C

AIR VALVE AND VALVE BOX COVER EXTERIOR PAINTED WITH PRIMER AND TWO (2) COATS OF PURPLE PAINT PER DISTRICT SPECIFICATIONS (NO PRIMER ON BRASS OR BRONZE)



STEEL CML/CMC RECYCLED WATERMAINS, FOR C909 PVC OR DIP RECYCLED WATERMAINS USE BRONZE SERVICE SADDLE WITH DOUBLE STAINLESS STEEL STRAPS PER SPECIFICATIONS

NOTE:

- ALL PIPE, FITTINGS, AND VALVES SHALL BE SAME DIA. AS AIR VALVE INLET.
 PIPE THREADS SHALL BE CLEAN AND SHARP AND SEALED WITH AN APPROVED JOINT COMPOUND.
 A.R.I. OR APPROVED EQUAL.
 MINIMUM AIR VALVE ENCLOSURE SIZE FOR A.R.I. VALVES SHALL BE 18"x30".

| ITEM | DESCRIPTION |
|------|---|
| ① | STD. BLK. COUPLING WELDED TO TOP OF WATERMAIN PER STD. D-6 (STEEL CML/CMC) |
| ② | QUARTER TURN CORP STOP, JAMES JONES NO. E1943, MUELLER B-20013N OR APPR. EQUAL (FOR SHALLOW COVER CAN BE INSTALLED ON RUN IN LIEU OF RISE) |
| ③ | STD. WT. BRASS PIPE IN PLASTIC WRAP, COLOR PURPLE |
| ④ | NORTHTOWN 10 MESH BUG SCREEN OR APPROVED EQUAL |
| ⑤ | TWO (2) STD. WT. BRASS 90° ELBOWS IN PLASTIC WRAP CONNECTED END-TO-END TO FORM A SWIVEL JOINT |
| ⑥ | EXTRA HEAVY BRASS COUPLING (4" LONG) AT SURFACE AND PARTIALLY RECESSED IN CONCRETE |
| ⑦ | QUARTER TURN BRASS BALL VALVE AS APPROVED BY DISTRICT, PAINTED PURPLE |
| ⑧ | AIR RELEASE VALVE AS APPROVED BY DISTRICT PAINTED PURPLE |
| ⑨ | STD. BLK. 90° ST. ELBOW, 3" LONG STD. BLK. NIPPLE THREADED TWO ENDS, STD. BLK. 90° ELBOW, & 3" LONG STD. BLK. NIPPLE THREADED ONE END, ORIENTED TO CLEAR AIR VALVE BODY |
| ⑩ | EXTRA HEAVY BRASS PIPE NIPPLE THREADED BOTH ENDS 3" |

JURUPA COMMUNITY SERVICES DISTRICT

SCALE: NONE

DATE: JANUARY 2026

AIR VALVE INSTALLATION 1" DIA. FOR RECYCLED/NON-POTABLE WATER LINE

DRAWING NO.

R/NP-13A

REV.

APPROVED BY:

Jesse Pompa, Dir. Of Eng. & Wtr Resources

APPROVED BY:

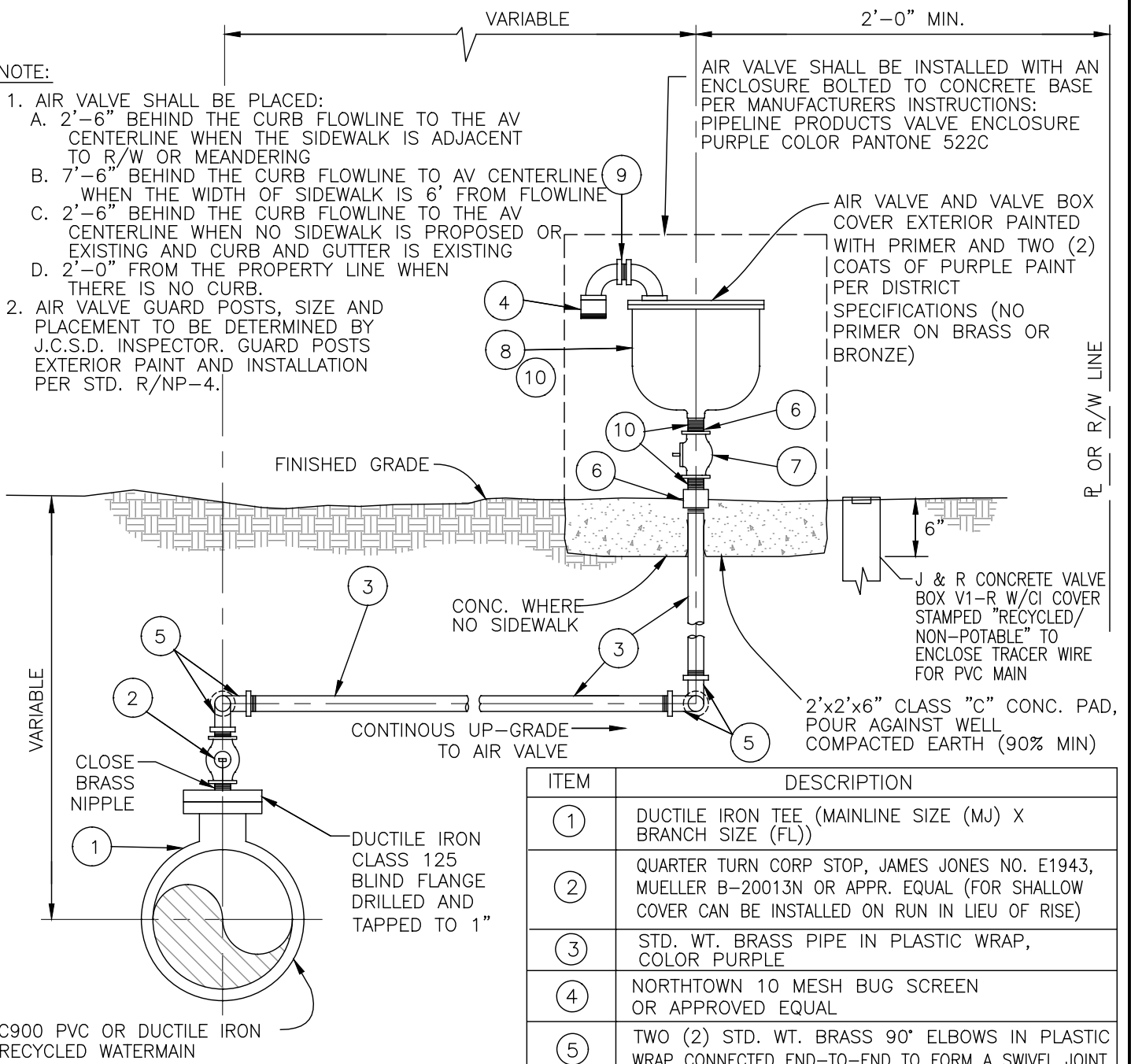
Matthew Abel, Dir. Of Ops.

NOTE:

1. AIR VALVE SHALL BE PLACED:
 - A. 2'-6" BEHIND THE CURB FLOWLINE TO THE AV CENTERLINE WHEN THE SIDEWALK IS ADJACENT TO R/W OR MEANDERING
 - B. 7'-6" BEHIND THE CURB FLOWLINE TO AV CENTERLINE WHEN THE WIDTH OF SIDEWALK IS 6' FROM FLOWLINE
 - C. 2'-6" BEHIND THE CURB FLOWLINE TO THE AV CENTERLINE WHEN NO SIDEWALK IS PROPOSED EXISTING AND CURB AND GUTTER IS EXISTING
 - D. 2'-0" FROM THE PROPERTY LINE WHEN THERE IS NO CURB.
2. AIR VALVE GUARD POSTS, SIZE AND PLACEMENT TO BE DETERMINED BY J.C.S.D. INSPECTOR. GUARD POSTS EXTERIOR PAINT AND INSTALLATION PER STD. R/NP-4.

AIR VALVE SHALL BE INSTALLED WITH AN ENCLOSURE BOLTED TO CONCRETE BASE PER MANUFACTURERS INSTRUCTIONS: PIPELINE PRODUCTS VALVE ENCLOSURE PURPLE COLOR PANTONE 522C

AIR VALVE AND VALVE BOX COVER EXTERIOR PAINTED WITH PRIMER AND TWO (2) COATS OF PURPLE PAINT PER DISTRICT SPECIFICATIONS (NO PRIMER ON BRASS OR BRONZE)



NOTE:

ALL PIPE, FITTINGS, AND VALVES SHALL BE SAME DIA. AS AIR VALVE INLET.
 PIPE THREADS SHALL BE CLEAN AND SHARP AND SEALED WITH AN APPROVED JOINT COMPOUND.
 A.R.I. OR APPROVED EQUAL.
 MINIMUM AIR VALVE ENCLOSURE SIZE FOR A.R.I. VALVES SHALL BE 18"X30".

| ITEM | DESCRIPTION |
|------|---|
| ① | DUCTILE IRON TEE (MAINLINE SIZE (MJ) X BRANCH SIZE (FL)) |
| ② | QUARTER TURN CORP STOP, JAMES JONES NO. E1943, MUELLER B-20013N OR APPR. EQUAL (FOR SHALLOW COVER CAN BE INSTALLED ON RUN IN LIEU OF RISE) |
| ③ | STD. WT. BRASS PIPE IN PLASTIC WRAP, COLOR PURPLE |
| ④ | NORTHTOWN 10 MESH BUG SCREEN OR APPROVED EQUAL |
| ⑤ | TWO (2) STD. WT. BRASS 90° ELBOWS IN PLASTIC WRAP CONNECTED END-TO-END TO FORM A SWIVEL JOINT |
| ⑥ | EXTRA HEAVY BRASS COUPLING (4" LONG) AT SURFACE AND PARTIALLY RECESSED IN CONCRETE |
| ⑦ | QUARTER TURN BRASS BALL VALVE AS APPROVED BY DISTRICT, PAINTED PURPLE |
| ⑧ | AIR RELEASE VALVE AS APPROVED BY DISTRICT PAINTED PURPLE |
| ⑨ | STD. BLK. 90° ST. ELBOW, 3" LONG STD. BLK. NIPPLE THREADED TWO ENDS, STD. BLK. 90° ELBOW, & 3" LONG STD. BLK. NIPPLE THREADED ONE END, ORIENTED TO CLEAR AIR VALVE BODY |
| ⑩ | EXTRA HEAVY BRASS PIPE NIPPLE THREADED BOTH ENDS 3" |

JURUPA COMMUNITY SERVICES DISTRICT

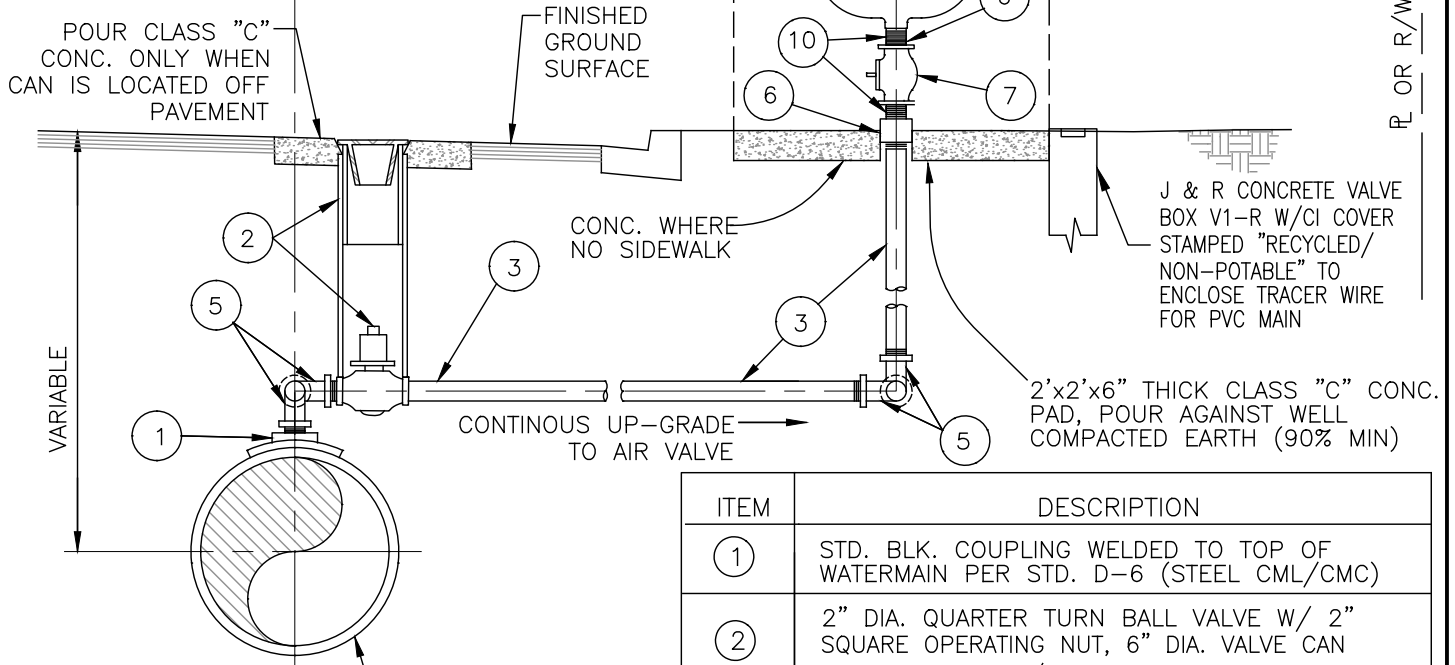
| | | |
|---|---|--------------------------------|
| SCALE: NONE | AIR VALVE INSTALLATION 1" DIA. FOR RECYCLED/NON-POTABLE WATER LINE | DRAWING NO. R/NP-13B |
| DATE: JANUARY 2026 | APPROVED BY: | APPROVED BY: |
| APPROVED BY: Jesse Pompa, Dir. Of Eng. & Wtr Resources | APPROVED BY: Matthew Abel, Dir. Of Ops. | |

NOTE:

1. AIR VALVE SHALL BE PLACED:
 - A. 2'-6" BEHIND THE CURB FLOWLINE TO THE AV CENTERLINE WHEN THE SIDEWALK IS ADJACENT TO R/W OR MEANDERING
 - B. 7'-6" BEHIND THE CURB FLOWLINE TO AV CENTERLINE WHEN THE WIDTH OF SIDEWALK IS 6' FROM FLOWLINE
 - C. 2'-6" BEHIND THE CURB FLOWLINE TO THE AV CENTERLINE WHEN NO SIDEWALK IS PROPOSED OR EXISTING AND CURB AND GUTTER IS EXISTING
 - D. 2'-0" FROM THE PROPERTY LINE WHEN THERE IS NO CURB.
2. AIR VALVE GUARD POSTS, SIZE AND PLACEMENT TO BE DETERMINED BY J.C.S.D. INSPECTOR. GUARD POSTS EXTERIOR PAINT AND INSTALLATION PER STD. R/NP-4.

AIR VALVE SHALL BE INSTALLED WITH AN ENCLOSURE BOLTED TO CONCRETE BASE PER MANUFACTURERS INSTRUCTIONS: PIPELINE PRODUCTS VALVE ENCLOSURE PURPLE COLOR PANTONE 522C

AIR VALVE AND VALVE BOX COVER EXTERIOR PAINTED WITH PRIMER AND TWO (2) COATS OF PURPLE PAINT PER DISTRICT SPECIFICATIONS (NO PRIMER ON BRASS OR BRONZE)



STEEL CML/CMC RECYCLED WATERMAINS, FOR C909 PVC OR DIP RECYCLED WATERMAINS USE BRONZE SERVICE SADDLE WITH DOUBLE STAINLESS STEEL STRAPS PER SPECIFICATIONS

NOTE:

ALL PIPE, FITTINGS, AND VALVES SHALL BE SAME DIA. AS AIR VALVE INLET.

PIPE THREADS SHALL BE CLEAN AND SHARP AND SEALED WITH AN APPROVED JOINT COMPOUND.

A.R.I. OR APPROVED EQUAL.

MINIMUM AIR VALVE ENCLOSURE SIZE FOR A.R.I. VALVES SHALL BE 18"X30".

| ITEM | DESCRIPTION |
|------|---|
| ① | STD. BLK. COUPLING WELDED TO TOP OF WATERMAIN PER STD. D-6 (STEEL CML/CMC) |
| ② | 2" DIA. QUARTER TURN BALL VALVE W/ 2" SQUARE OPERATING NUT, 6" DIA. VALVE CAN PER STD. DWG. R/NP-6 |
| ③ | STD. WT. BRASS PIPE IN SLEEVE, PAINTED PURPLE |
| ④ | NORTHTOWN 10 MESH BUG SCREEN OR APPROVED EQUAL |
| ⑤ | TWO (2) STD. WT. BRASS 90° ELBOWS IN PLASTIC WRAP CONNECTED END-TO-END TO FORM A SWIVEL JOINT |
| ⑥ | EXTRA HEAVY BRASS COUPLING (4" LONG) AT SURFACE AND PARTIALLY RECESSED IN CONCRETE |
| ⑦ | QUARTER TURN BRASS BALL VALVE AS APPROVED BY DISTRICT, PAINTED PURPLE |
| ⑧ | AIR RELEASE VALVE AS APPROVED BY DISTRICT PAINTED PURPLE |
| ⑨ | STD. BLK. 90° ST. ELBOW, 3" LONG STD. BLK. NIPPLE THREADED TWO ENDS, STD. BLK. 90° ELBOW, & 3" LONG STD. BLK. NIPPLE THREADED ONE END, ORIENTED TO CLEAR AIR VALVE BODY |
| ⑩ | EXTRA HEAVY BRASS PIPE NIPPLE THREADED BOTH ENDS 3" |

JURUPA COMMUNITY SERVICES DISTRICT

| | | |
|---|---|-----------------|
| SCALE: NONE | 2" DIA. AIR VALVE INSTALLATION W/ BALL VALVE FOR RECYCLED/NON-POTABLE WATER LINE | DRAWING NO. |
| DATE: JANUARY 2026 | | R/NP-14A |
| APPROVED BY: | APPROVED BY: | |
| Jesse Pompa, Dir. Of Eng. & Wtr Resources | Matthew Abel, Dir. Of Ops. | |

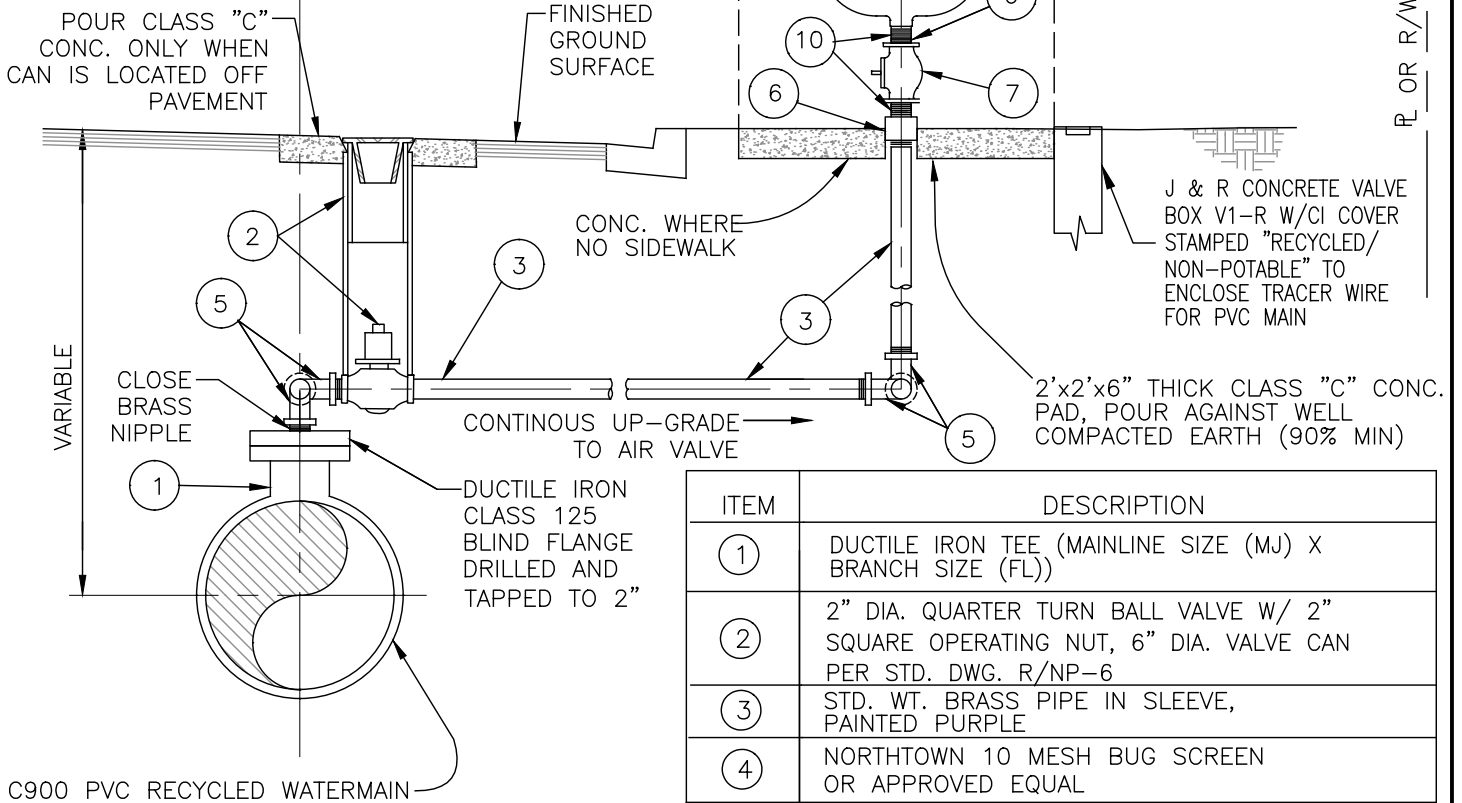
NOTE:

1. AIR VALVE SHALL BE PLACED:
 - A. 2'-6" BEHIND THE CURB FLOWLINE TO THE AV CENTERLINE WHEN THE SIDEWALK IS ADJACENT TO R/W OR MEANDERING
 - B. 7'-6" BEHIND THE CURB FLOWLINE TO AV CENTERLINE WHEN THE WIDTH OF SIDEWALK IS 6' FROM FLOWLINE
 - C. 2'-6" BEHIND THE CURB FLOWLINE TO THE AV CENTERLINE WHEN NO SIDEWALK IS PROPOSED OR EXISTING AND CURB AND GUTTER IS EXISTING
 - D. 2'-0" FROM THE PROPERTY LINE WHEN THERE IS NO CURB.
2. AIR VALVE GUARD POSTS, SIZE AND PLACEMENT TO BE DETERMINED BY J.C.S.D. INSPECTOR. GUARD POSTS EXTERIOR PAINT AND INSTALLATION PER STD. R/NP-4.

AIR VALVE SHALL BE INSTALLED WITH AN ENCLOSURE BOLTED TO CONCRETE BASE PER MANUFACTURERS INSTRUCTIONS: PIPELINE PRODUCTS VALVE ENCLOSURE PURPLE COLOR PANTONE 522C

AIR VALVE AND VALVE BOX COVER EXTERIOR PAINTED WITH PRIMER AND TWO (2) COATS OF PURPLE PAINT PER DISTRICT SPECIFICATIONS (NO PRIMER ON BRASS OR BRONZE)

POUR CLASS "C" CONC. ONLY WHEN CAN IS LOCATED OFF PAVEMENT



| ITEM | DESCRIPTION |
|------|--|
| ① | DUCTILE IRON TEE (MAINLINE SIZE (MJ) X BRANCH SIZE (FL)) |
| ② | 2" DIA. QUARTER TURN BALL VALVE W/ 2" SQUARE OPERATING NUT, 6" DIA. VALVE CAN PER STD. DWG. R/NP-6 |
| ③ | STD. WT. BRASS PIPE IN SLEEVE, PAINTED PURPLE |
| ④ | NORTHTOWN 10 MESH BUG SCREEN OR APPROVED EQUAL |
| ⑤ | TWO (2) STD. WT. BRASS 90° ELBOWS IN PLASTIC WRAP CONNECTED END-TO-END TO FORM A SWIVEL JOINT |
| ⑥ | EXTRA HEAVY BRASS COUPLING (4" LONG) AT SURFACE AND PARTIALLY RECESSED IN CONCRETE |
| ⑦ | QUARTER TURN BRASS BALL VALVE AS APPROVED BY DISTRICT, PAINTED PURPLE |
| ⑧ | AIR RELEASE VALVE AS APPROVED BY DISTRICT PAINTED PURPLE |
| ⑨ | STD. BLK. 90° ST. ELBOW, 3" LONG STD. BLK. NIPPLE THREADED TWO ENDS, STD. BLK. 90° ELBOW & 3" LONG STD. BLK. NIPPLE THREADED ONE END, ORIENTED TO CLEAR AIR VALVE BODY |
| ⑩ | EXTRA HEAVY BRASS PIPE NIPPLE THREADED BOTH ENDS 3" |

NOTE:

ALL PIPE, FITTINGS, AND VALVES SHALL BE SAME DIA. AS AIR VALVE INLET.

PIPE THREADS SHALL BE CLEAN AND SHARP AND SEALED WITH AN APPROVED JOINT COMPOUND.

A.R.I. OR APPROVED EQUAL.

MINIMUM AIR VALVE ENCLOSURE SIZE FOR A.R.I. VALVES SHALL BE 18"X30".

JURUPA COMMUNITY SERVICES DISTRICT

SCALE: NONE

2" DIA. AIR VALVE INSTALLATION W/ BALL VALVE FOR RECYCLED/NON-POTABLE WATER LINE

DRAWING NO.

DATE: JANUARY 2026

R/NP-14B

REV.

APPROVED BY:

Jesse Pompa, Dir. Of Eng. & Wtr Resources

APPROVED BY:

Matthew Abel, Dir. Of Ops.

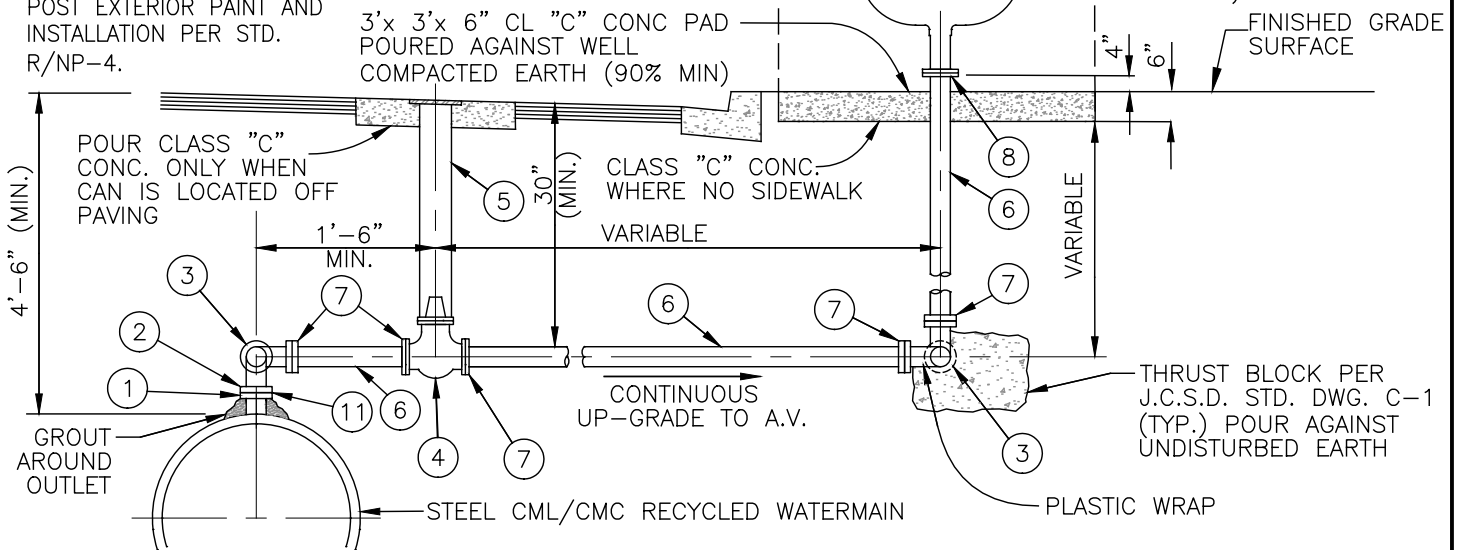
NOTE:

1. AIR VALVE SHALL BE PLACED:
 - A. 2'-6" BEHIND THE CURB FLOWLINE TO THE AV CENTERLINE WHEN THE SIDEWALK IS ADJACENT TO R/W OR MEANDERING
 - B. 7'-6" BEHIND THE CURB FLOWLINE TO AV CENTERLINE WHEN THE WIDTH OF SIDEWALK IS 6' FROM FLOWLINE
 - C. 2'-6" BEHIND THE CURB FLOWLINE TO THE AV CENTERLINE WHEN NO SIDEWALK IS PROPOSED OR EXISTING AND CURB AND GUTTER IS EXISTING
 - D. 2'-0" FROM THE PROPERTY LINE WHEN THERE IS NO CURB.
2. (3) AIR VALVE GUARD POSTS SIZE AND PLACEMENT TO BE DETERMINED BY J.C.S.D. INSPECTOR. GUARD POST EXTERIOR PAINT AND INSTALLATION PER STD. R/NP-4.

NORTHTOWN 10 MESH BUG SCREEN OR APPROVED EQUAL

AIR VALVE SHALL BE INSTALLED WITH AN ENCLOSURE BOLTED TO CONCRETE BASE PER MANUFACTURERS INSTRUCTIONS: PIPELINE PRODUCTS VALVE ENCLOSURE PURPLE COLOR PANTONE 522C (24"X36" ENCLOSURE)

AIR VALVE & VALVE BOX COVER EXTERIOR PAINTED WITH PRIMER AND TWO (2) COATS OF PURPLE PAINT PER DISTRICT SPECIFICATIONS (NO PRIMER ON BRASS OR BRONZE)



| ITEM | DESCRIPTION |
|------|---|
| ① | 4" DIA. STANDARD WEIGHT MIN. OUTLET WELDED TO PIPE PER STD. C-6 WITH A.S.A. 150 LB. SLIP-ON FLANGE (WELDED FLANGE ON-SITE TO VALVE) |
| ② | 4" DIA. A.S.A. 150 LB WELD NECK FLANGE, PAINTED PURPLE. |
| ③ | 4" DIA. 90° FLGD. BEND, STD. WT. CML/CMC DOUBLE 90° JOINT |
| ④ | 4" DIA. A.W.W.A. C-509 FLANGED RESILIENT SEAT GATE VALVE, 200 W.O.G. I.B.B.M., N.R.S., "O" RING SEAL, 2" SQ. OPERATING NUT, PER DISTRICT STD. DWG. NO. R/NP-6. |
| ⑤ | STANDARD VALVE BOX INSTALLATION PER STD. NO. R/NP-6. |
| ⑥ | 4" DIA. STEEL PIPE, STANDARD WEIGHT CML/CMC. OUTSIDE PAINTED PURPLE. |
| ⑦ | 4" DIA. 150 LB. SLIP-ON FLANGE (SHIP LOOSE FOR FIELD WELDING), PAINTED PURPLE. |
| ⑧ | 4" DIA. 150 LB. SLIP-ON FLANGE (SHIP LOOSE FOR FIELD WELDING), FOR 3" AIR VALVE PROVIDE FLANGED 3"X4" REDUCER. USE BREAK-AWAY BOLTS FACING DOWN TO BOLT-ON AIR VAC TO RISER FLANGE. |
| ⑨ | AIR RELEASE VALVE AS APPROVED BY DISTRICT (3" OR 4"), PAINTED PURPLE. |
| ⑩ | STANDARD WEIGHT BLACK 90° STREET ELBOW (3" OR 4"), PAINTED PURPLE. |
| ⑪ | A.S.A. 150 FLANGE INSULATING KIT INCLUDE INSULATING GASKET, SLEEVES AND WASHER AS PER SPECS, P.S.I. PRODUCTS INC. TYPE E G.O.S., ONE PIECE S.W. OR APPROVED EQUAL (4" DIA.). |

JURUPA COMMUNITY SERVICES DISTRICT

| | | |
|--------------------|--|--------------------------------|
| SCALE: NONE | 3" AND 4" AIR VALVE INSTALLATIONS FOR RECYCLED/NON-POTABLE WATER LINE | DRAWING NO. R/NP-15A |
| DATE: JANUARY 2026 | | |

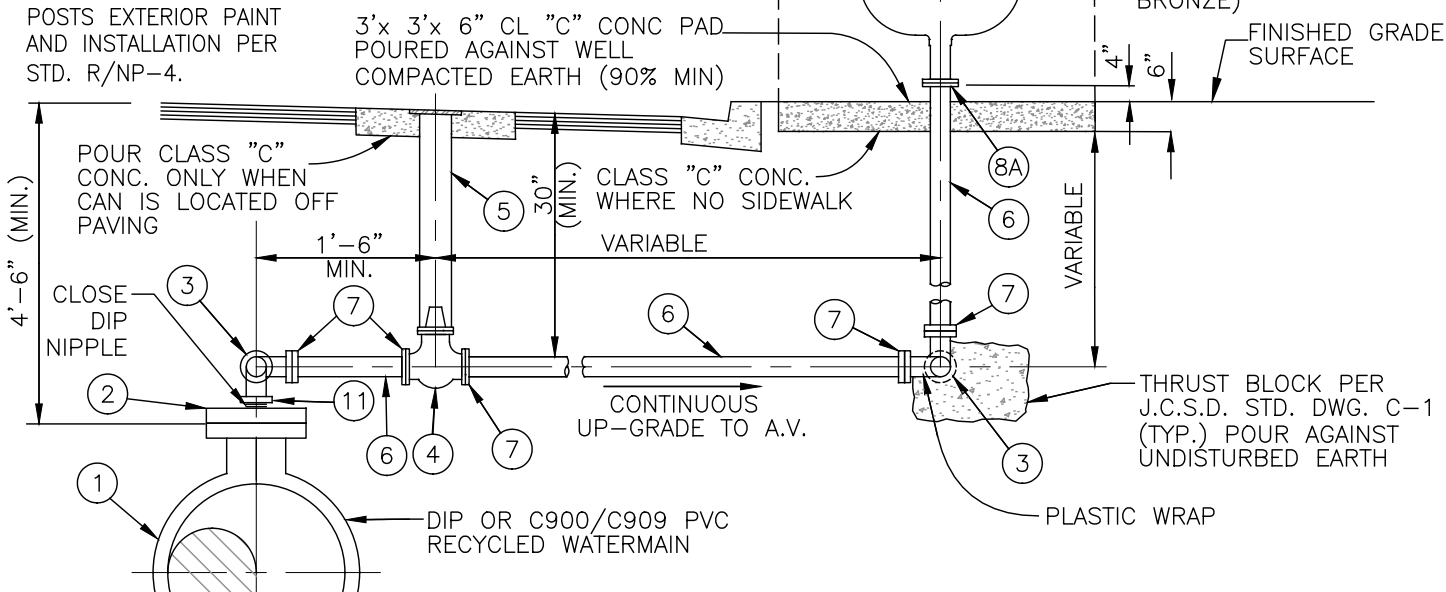
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|--|--|--|
| REV. APPROVED BY: Jesse Pompa, Dir. Of Eng. & Wtr Resources | APPROVED BY: Matthew Abel, Dir. Of Ops. | |
|--|--|--|

NOTE:

1. AIR VALVE SHALL BE PLACED:
 - A. 2'-6" BEHIND THE CURB FLOWLINE TO THE AV CENTERLINE WHEN THE SIDEWALK IS ADJACENT TO R/W OR MEANDERING
 - B. 7'-6" BEHIND THE CURB FLOWLINE TO AV CENTERLINE WHEN THE WIDTH OF SIDEWALK IS 6' FROM FLOWLINE
 - C. 2'-6" BEHIND THE CURB FLOWLINE TO THE AV CENTERLINE WHEN NO SIDEWALK IS PROPOSED OR EXISTING AND CURB AND GUTTER IS EXISTING
 - D. 2'-0" FROM THE PROPERTY LINE WHEN THERE IS NO CURB.
2. (3) AIR VALVE GUARD POSTS SIZE AND PLACEMENT TO BE DETERMINED BY J.C.S.D. INSPECTOR. GUARD POSTS EXTERIOR PAINT AND INSTALLATION PER STD. R/NP-4.

NORTHTOWN 10 MESH BUG SCREEN OR APPROVED EQUAL
 AIR VALVE SHALL BE INSTALLED WITH AN ENCLOSURE BOLTED TO CONCRETE BASE PER MANUFACTURERS INSTRUCTIONS: PIPELINE PRODUCTS VALVE ENCLOSURE PURPLE COLOR PANTONE 522C (24"X36" ENCLOSURE)

AIR VALVE & VALVE BOX COVER EXTERIOR PAINTED WITH PRIMER AND TWO (2) COATS OF PURPLE PAINT PER DISTRICT SPECIFICATIONS (NO PRIMER ON BRASS OR BRONZE)



| ITEM | DESCRIPTION |
|------|--|
| ① | DUCTILE IRON TEE (MAINLINE SIZE (MJ) X BRANCH SIZE (FL)) |
| ② | DUCTILE IRON BLIND FLANGE, CLASS 125, DRILLED AND TAPPED 4" I.P.T. |
| ③ | 4" DIA. 90° FLGD. BEND, DUCTILE IRON PIPE, DOUBLE 90° JOINT |
| ④ | 4" DIA. A.W.W.A. C-509 FLANGED RESILIENT SEAT GATE VALVE, 200 W.O.G. I.B.B.M., N.R.S., "O" RING SEAL, 2" SQ. OPERATING NUT, PER DISTRICT STD. DWG. NO. R/NP-6. |
| ⑤ | STANDARD VALVE BOX INSTALLATION PER STD. NO. R/NP-6. |
| ⑥ | 4" DIA. DUCTILE IRON PIPE OUTSIDE PAINTED PURPLE. |
| ⑦ | 4" DIA. DIP CLASS 125 FLANGES (PROVIDE FLxFL 3" TO 4" REDUCER FOR 3" AIR VALVE), PAINTED PURPLE. |
| ⑧ | 4" DIA. DIP RESTRAINED FLANGE ADAPTER (PROVIDE 3" DIA. AS NEEDED). |
| ⑧A | 4" DIA. DIP RESTRAINED FLANGE ADAPTER, FOR 3" AIR VALVE PROVIDE FLANGED 3"x4" REDUCER. USE BREAK-AWAY BOLTS FACING DOWN TO BOLT-ON AIR VAC TO RISER FLANGE. |
| ⑨ | AIR RELEASE VALVE AS APPROVED BY DISTRICT (3" OR 4"), PAINTED PURPLE. |
| ⑩ | STANDARD WEIGHT BLACK 90° STREET ELBOW (3" OR 4"), PAINTED PURPLE. |
| ⑪ | A.S.A. 150 FLANGE INSULATING KIT INCLUDE INSULATING GASKET, SLEEVES AND WASHER AS PER SPECS, P.S.I. PRODUCTS INC. TYPE E G.O.S., ONE PIECE S.W. OR APPROVED EQUAL (4" DIA.). |

JURUPA COMMUNITY SERVICES DISTRICT

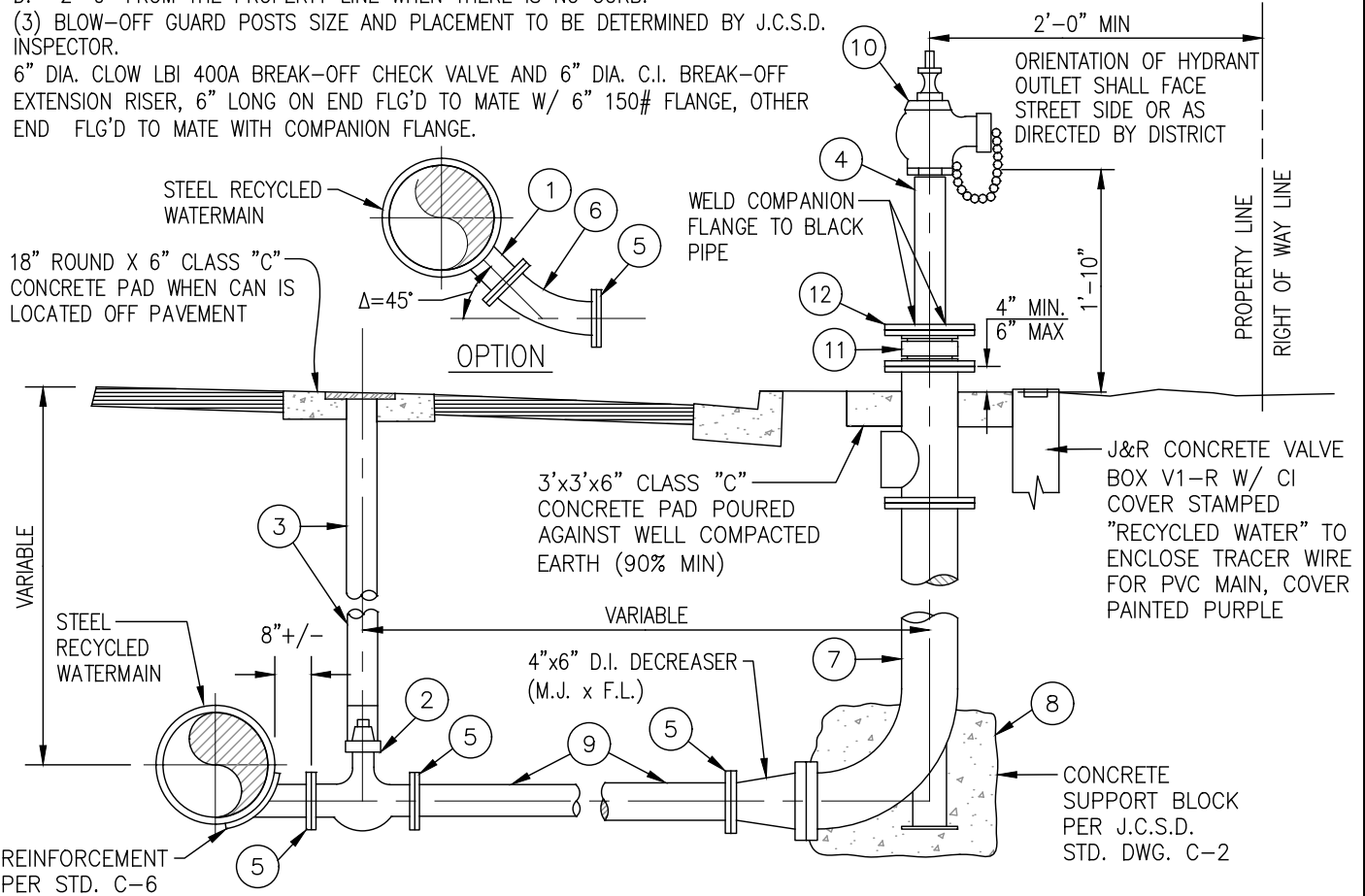
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|--------------------|--|--------------------------------|
| SCALE: NONE | 3" AND 4" AIR VALVE INSTALLATIONS FOR RECYCLED/NON-POTABLE WATER LINE | DRAWING NO. R/NP-15B |
| DATE: JANUARY 2026 | | |

| | | |
|--|--|--|
| REV. APPROVED BY: Jesse Pompa, Dir. Of Eng. & Wtr Resources | APPROVED BY: Matthew Abel, Dir. Of Ops. | |
|--|--|--|

NOTE:

1. BLOW-OFF SHALL BE PLACED:
 - A. 2'-6" BEHIND THE CURB FLOWLINE TO THE BO CENTERLINE WHEN THE SIDEWALK IS ADJACENT TO R/W OR MEANDERING.
 - B. 7'-6" BEHIND THE CURB FLOWLINE TO BO CENTERLINE WHEN THE WIDTH OF SIDEWALK IS 6' FROM FLOWLINE.
 - C. 2'-6" BEHIND THE CURB FLOWLINE TO THE BO CENTERLINE WHEN NO SIDEWALK IS PROPOSED OR EXISTING AND CURB AND GUTTER IS EXISTING.
 - D. 2'-0" FROM THE PROPERTY LINE WHEN THERE IS NO CURB.
2. (3) BLOW-OFF GUARD POSTS SIZE AND PLACEMENT TO BE DETERMINED BY J.C.S.D. INSPECTOR.
3. 6" DIA. CLOW LBI 400A BREAK-OFF CHECK VALVE AND 6" DIA. C.I. BREAK-OFF EXTENSION RISER, 6" LONG ON END FLG'D TO MATE W/ 6" 150# FLANGE, OTHER END FLG'D TO MATE WITH COMPANION FLANGE.

EXTERIOR PAINTED W/PRIMER AND TWO (2) COATS OF PURPLE PAINT COLOR PANTONE 522C PER DISTRICT SPECIFICATIONS (NO PRIMER ON BRASS OR BRONZE)



| ITEM | DESCRIPTION |
|------|---|
| (1) | 4-1/2" O.D. X 10 GA. CML/CMC PER D-6. |
| (2) | 4" DIA. A.W.W.A. C-509 (LATEST) FLG'D. RESILIENT SEAT GATE VALVE, 200WOG, I.B.B.M., N.R.S., "O" RING SEAL, 2" SQ. OPERATING NUT, PER DISTRICT STD. DWG. R/NP-6. |
| (3) | STANDARD VALVE BOX INSTALLATION PER DISTRICT STD. DWG. R/NP-6. |
| (4) | 4" DIA STD BLACK NIPPLE, OUTSIDE PAINTED PURPLE. |
| (5) | 4" DIA. 150 LB. SLIP-ON FLANGE. |
| (6) | 4" DIA. FLGD. 4 PC A.W.W.A. 10 GA., 45° BEND, LINED AND COATED SAME AS MAIN. |
| (7) | 6" PO OR MJ X FLANGE CAST IRON FIRE HYDRANT BURY |
| (8) | THRUST BLOCK PER J.C.S.D. STD. DWG. C-2. |
| (9) | 4" DIA. CML/CMC, 10 GA. W.S.P., PAINTED PURPLE. |
| (10) | 4" x 2-1/2" BRONZE WHARF HYDRANT, JAMES JONES MODEL NO. J-344 H.P. OR APPROVED EQUAL. |
| (11) | BREAK-OFF CHECK VALVE AND RISER PER NOTE 3 HEREON |
| (12) | 6" WELD FLANGE |

JURUPA COMMUNITY SERVICES DISTRICT

SCALE: NONE

DATE: JANUARY 2026

4" DIA. BLOW-OFF INSTALLATION FOR RECYCLED/NON-POTABLE WATER LINE

DRAWING NO.

R/NP-16

REV.

APPROVED BY:

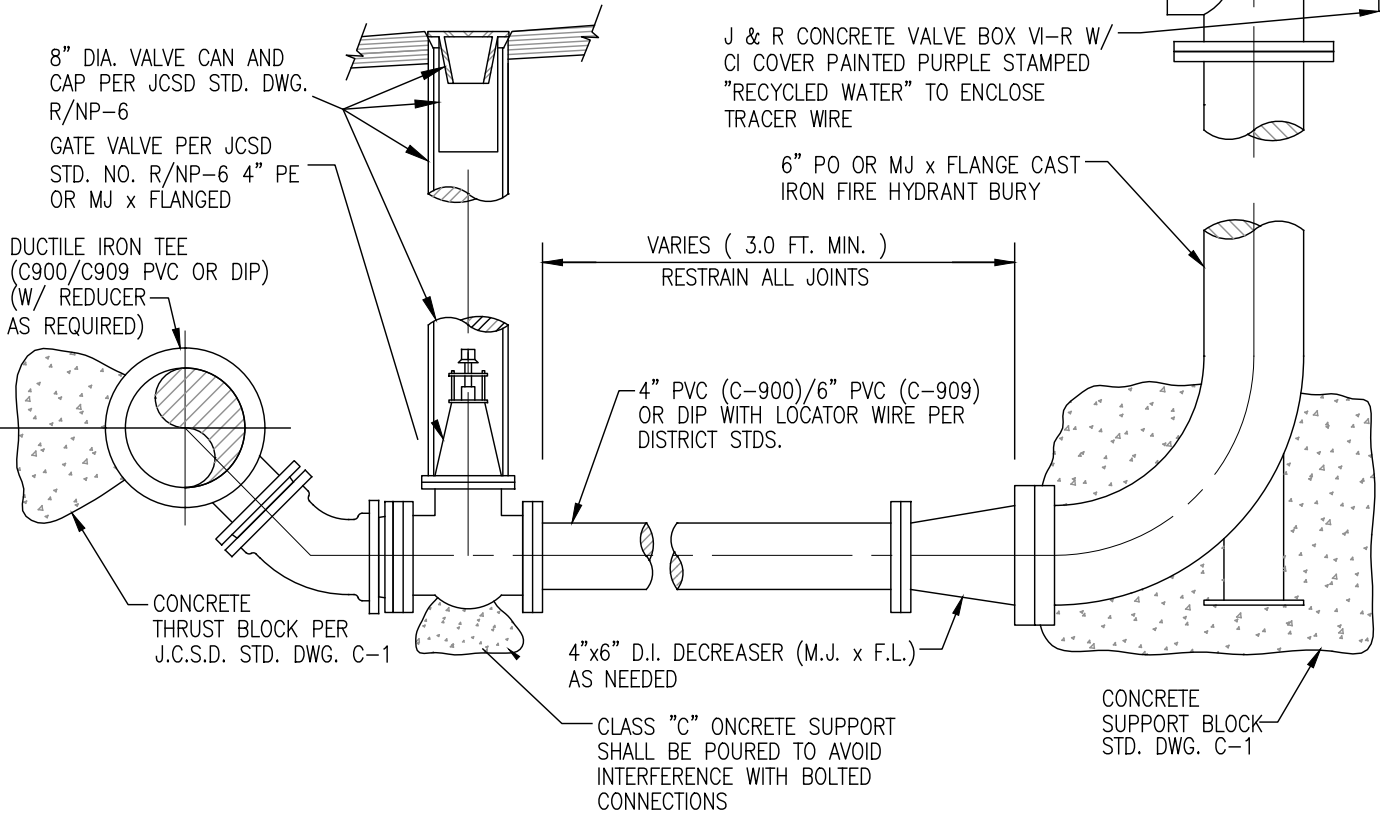
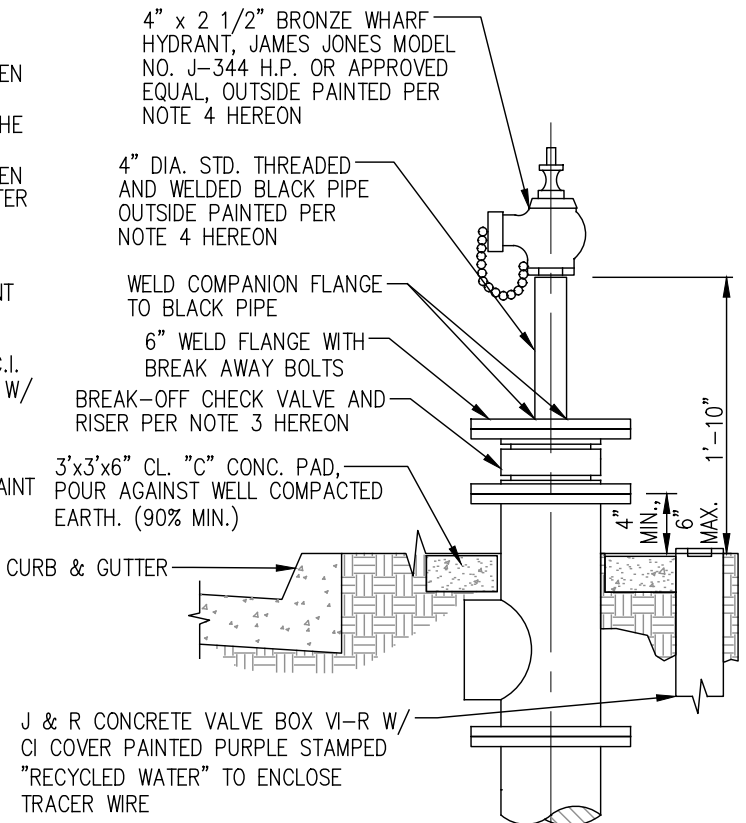
Jesse Pompa, Dir. Of Eng. & Wtr Resources

APPROVED BY:

Matthew Abel, Dir. Of Ops.

NOTE:

1. BLOW-OFF SHALL BE PLACED:
 - A. 2'-6" BEHIND THE CURB FLOWLINE TO THE FH CENTERLINE WHEN THE SIDEWALK IS ADJACENT TO R/W OR MEANDERING.
 - B. 7'-6" BEHIND THE CURB FLOWLINE TO FH CENTERLINE WHEN THE WIDTH OF SIDEWALK IS 6' FROM FLOWLINE.
 - C. 2'-6" BEHIND THE CURB FLOWLINE TO THE FH CENTERLINE WHEN NO SIDEWALK IS PROPOSED OR EXISTING AND CURB AND GUTTER IS EXISTING.
 - D. 2'-0" FROM THE PROPERTY LINE WHEN THERE IS NO CURB.
2. ALL BLOW-OFFS SHALL HAVE GUARD POSTS, SIZE AND PLACEMENT TO BE DETERMINED BY J.C.S.D. INSPECTOR.
3. 6" DIA. CLOW LBI 400A BREAK-OFF CHECK VALVE AND 6" DIA. C.I. BREAK-OFF EXTENSION RISER, 6" LONG ON END FLG'D TO MATE W/ 6" A.S.A. 150# FLANGE, OTHER END FLG'D TO MATE WITH COMPANION FLANGE.
4. EXTERIOR PAINTED W/PRIMER AND TWO (2) COATS OF PURPLE PAINT COLOR PANTONE 522C PER DISTRICT SPECIFICATIONS (NO PRIMER ON BRASS OR BRONZE)



ALL ABOVE GROUND, EXTERIOR APPRUTANCES PAINTED W/ PRIMER AND TWO (2) COATS OF PURPLE PAINT COLOR PANTONE 522C PER DISTRICT SPECIFICATIONS (NO PRIMER ON BRASS OR BRONZE).

JURUPA COMMUNITY SERVICES DISTRICT

SCALE: NONE

**4" BLOW-OFF ASSEMBLY (PVC/DIP PIPE)
FOR RECYCLED/NON-POTABLE WATER LINE**

DRAWING NO.

DATE: JANUARY 2026

R/NP-17

REV.

APPROVED BY:

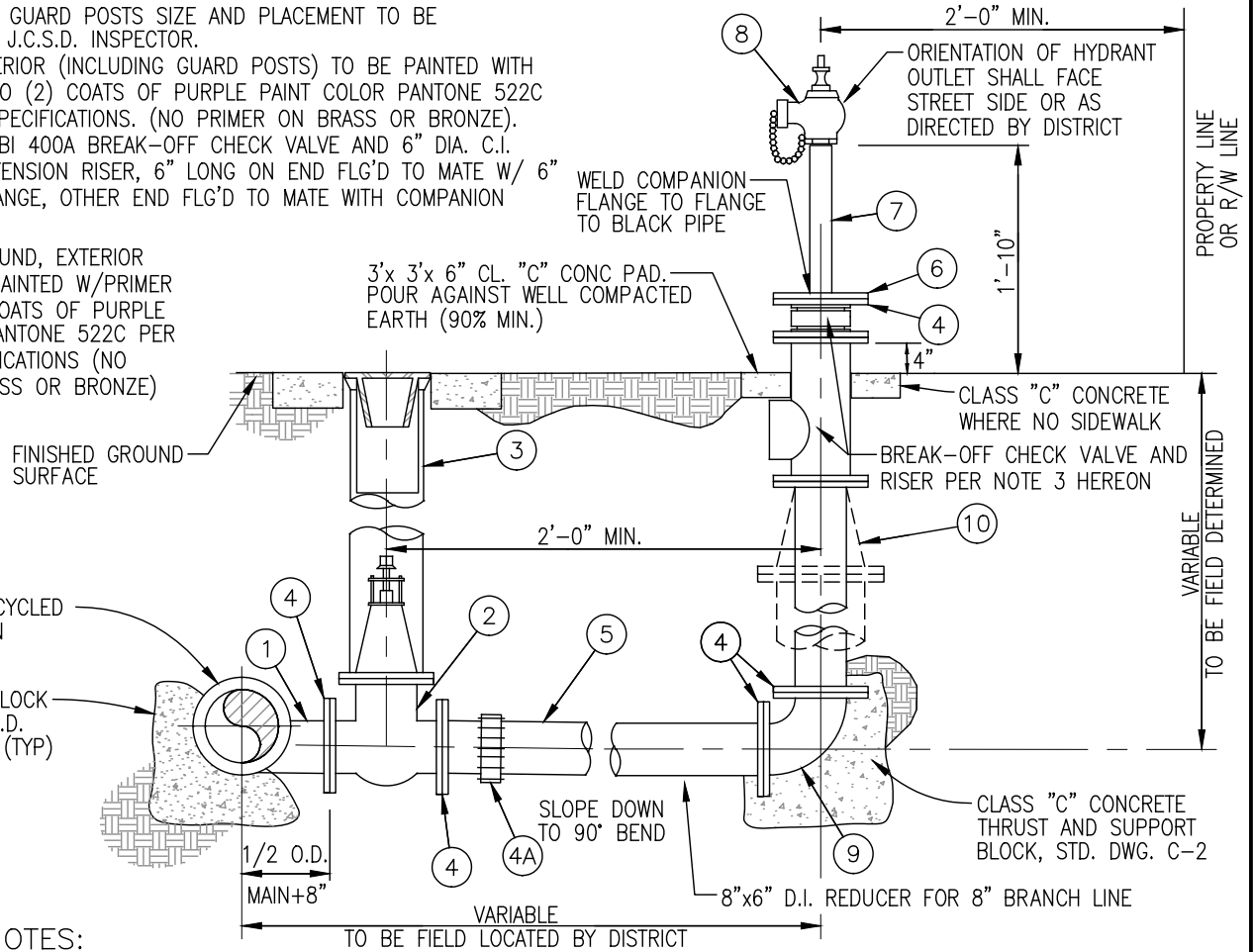
Jesse Pompa, Dir. Of Eng. & Wtr Resources

APPROVED BY:

Matthew Abel, Dir. Of Ops.

NOTES:

1. (3) BLOW-OFFS GUARD POSTS SIZE AND PLACEMENT TO BE DETERMINED BY J.C.S.D. INSPECTOR.
2. BLOW-OFF EXTERIOR (INCLUDING GUARD POSTS) TO BE PAINTED WITH PRIMER AND TWO (2) COATS OF PURPLE PAINT COLOR PANTONE 522C PER DISTRICT SPECIFICATIONS. (NO PRIMER ON BRASS OR BRONZE).
3. 6" DIA. CLOW LBI 400A BREAK-OFF CHECK VALVE AND 6" DIA. C.I. BREAK-OFF EXTENSION RISER, 6" LONG ON END FLG'D TO MATE W/ 6" A.S.A. 150# FLANGE, OTHER END FLG'D TO MATE WITH COMPANION FLANGE.
4. ALL ABOVE GROUND, EXTERIOR APPURTANCES PAINTED W/PRIMER AND TWO (2) COATS OF PURPLE PAINT COLOR PANTONE 522C PER DISTRICT SPECIFICATIONS (NO PRIMER ON BRASS OR BRONZE)



LOCATION NOTES:

1. BLOW-OFF SHALL BE PLACED:
 - A. 2'-6" BEHIND THE CURB FLOWLINE TO THE BO CENTERLINE WHEN THE SIDEWALK IS ADJACENT TO R/W OR MEANDERING.
 - B. 7'-6" BEHIND THE CURB FLOWLINE TO BO CENTERLINE WHEN THE WIDTH OF SIDEWALK IS 6' FROM FLOWLINE.
 - C. 2'-6" BEHIND THE CURB FLOWLINE TO THE BO CENTERLINE WHEN NO SIDEWALK IS PROPOSED OR EXISTING AND CURB AND GUTTER IS EXISTING.
 - D. 2'-0" FROM THE PROPERTY LINE WHEN THERE IS NO CURB.

| ITEM | DESCRIPTION |
|------|--|
| ① | TANGENTIAL OUTLET, CLASS 235 C-900 PVC OR DIP AND REINFORCED PER STD. C-6. |
| ② | 6" OR 8" GATE VALVE PER STD. R/NP-6 (SIZE AS SPECIFIED ON DRAWING). |
| ③ | 6" DIA. VALVE BOX INSTALLATION PER STD. DWG. R/NP-6. |
| ④ | A.S.A. 150 LB. SLIP-ON FLANGES (SHIP LOOSE FOR FIELD WELDING). |
| ④A | INSTALL FLEX COUPLING PER DISTRICT SPECIFICATIONS WHERE RECYCLED WATERMAIN IS 24" DIA. & LARGER. |
| ⑤ | CLASS 235 C-900 PVC OR DIP PAINTED PURPLE. |
| ⑥ | 6" WELD FLANGE |
| ⑦ | 4" STD. BLACK PIPE, OUTSIDE PAINTED PURPLE. |
| ⑧ | 4" x 2 1/2" BRONZE WHARF HYDRANT, J. JONES MODEL NO. J-344 H.P. OR APPROVED EQUAL, OUTSIDE PAINTED PER NOTE 4 HEREON |
| ⑨ | 6" OR 8" DIA. STD. WT. LONG RADIUS CML/CMC 90° BEND |
| ⑩ | 6" x 8" M.J. X F.L. DI REDUCER, IF APPLICABLE |

JURUPA COMMUNITY SERVICES DISTRICT

SCALE: NONE

DATE: JANUARY 2026

**6" & 8" BLOW-OFF INSTALLATION
FOR RECYCLED/NON-POTABLE WATER LINE**

DRAWING NO.

R/NP-18A

REV.

APPROVED BY:

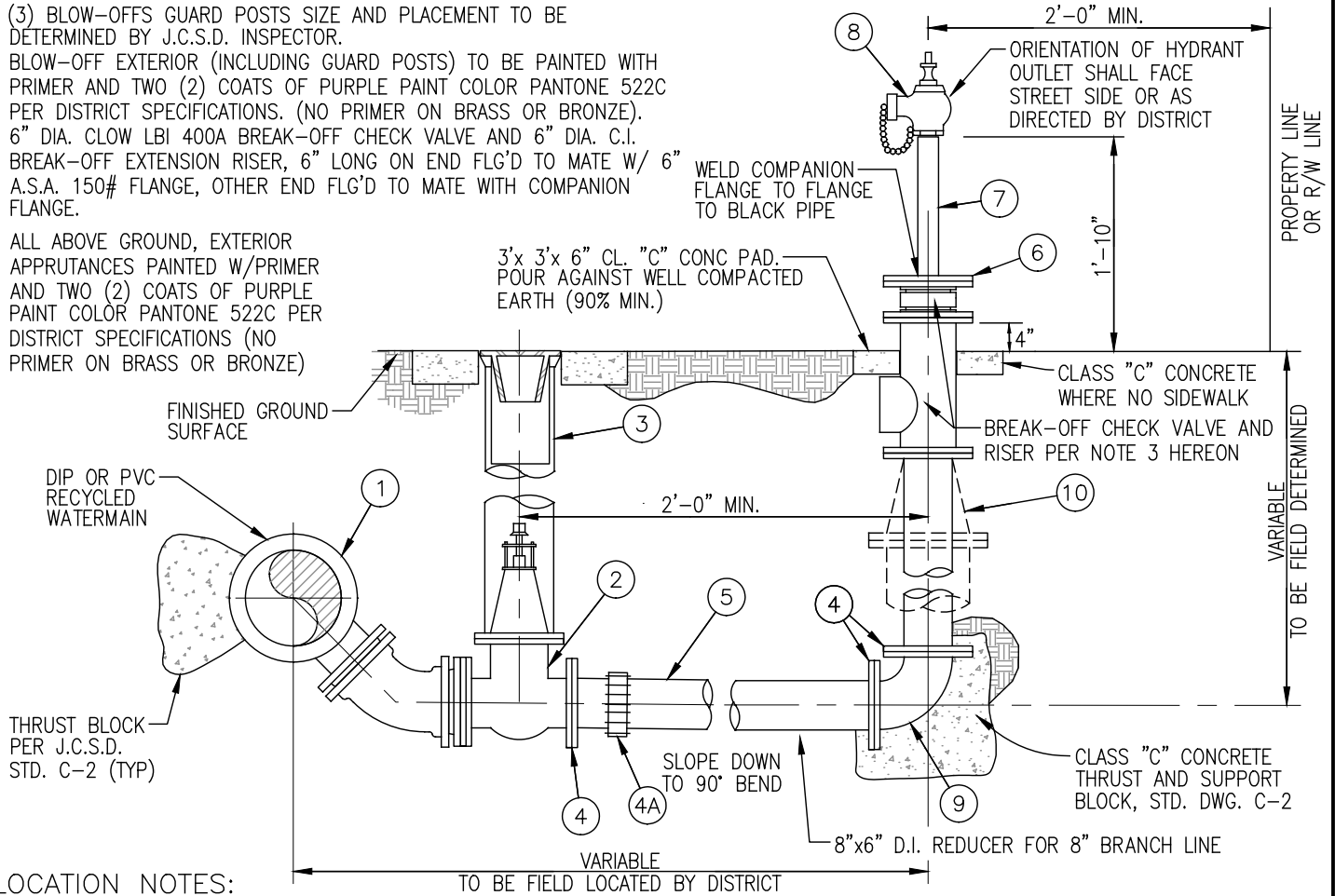
Jesse Pompa, Dir. Of Eng. & Wtr Resources

APPROVED BY:

Matthew Abel, Dir. Of Ops.

NOTES:

1. (3) BLOW-OFFS GUARD POSTS SIZE AND PLACEMENT TO BE DETERMINED BY J.C.S.D. INSPECTOR.
2. BLOW-OFF EXTERIOR (INCLUDING GUARD POSTS) TO BE PAINTED WITH PRIMER AND TWO (2) COATS OF PURPLE PAINT COLOR PANTONE 522C PER DISTRICT SPECIFICATIONS. (NO PRIMER ON BRASS OR BRONZE).
3. 6" DIA. CLOW LBI 400A BREAK-OFF CHECK VALVE AND 6" DIA. C.I. BREAK-OFF EXTENSION RISER, 6" LONG ON END FLG'D TO MATE W/ 6" A.S.A. 150# FLANGE, OTHER END FLG'D TO MATE WITH COMPANION FLANGE.
4. ALL ABOVE GROUND, EXTERIOR APPURTANCES PAINTED W/PRIMER AND TWO (2) COATS OF PURPLE PAINT COLOR PANTONE 522C PER DISTRICT SPECIFICATIONS (NO PRIMER ON BRASS OR BRONZE)



LOCATION NOTES:

1. BLOW-OFF SHALL BE PLACED:
 - A. 2'-6" BEHIND THE CURB FLOWLINE TO THE BO CENTERLINE WHEN THE SIDEWALK IS ADJACENT TO R/W OR MEANDERING.
 - B. 7'-6" BEHIND THE CURB FLOWLINE TO BO CENTERLINE WHEN THE WIDTH OF SIDEWALK IS 6' FROM FLOWLINE.
 - C. 2'-6" BEHIND THE CURB FLOWLINE TO THE BO CENTERLINE WHEN NO SIDEWALK IS PROPOSED OR EXISTING AND CURB AND GUTTER IS EXISTING.
 - D. 2'-0" FROM THE PROPERTY LINE WHEN THERE IS NO CURB.

| ITEM | DESCRIPTION |
|------|--|
| ① | DUCTILE IRON TEE (MAINLINE SIZE (MJ) X BRANCH SIZE (FL)). |
| ② | 6" OR 8" GATE VALVE PER STD. R/NP-6 (SIZE AS SPECIFIED ON DRAWING). |
| ③ | 6" DIA. VALVE BOX INSTALLATION PER STD. DWG. R/NP-6. |
| ④ | DIP CLASS 125 FLANGES, PAINTED PURPLE (PROVIDE DIP RESTRAINED FLANGE ADAPTER AS NEEDED). |
| ④A | INSTALL FLEX COUPLING PER DISTRICT SPECIFICATIONS WHERE RECYCLED WATERMAIN IS 24" DIA. & LARGER. |
| ⑤ | DUCTILE IRON PIPE OUTSIDE PAINTED PURPLE. |
| ⑥ | 6" WELD FLANGE |
| ⑦ | 4" STD. BLACK PIPE, OUTSIDE PAINTED PURPLE. |
| ⑧ | 4" x 2 1/2" BRONZE WHARF HYDRANT, J. JONES MODEL NO. J-344 H.P. OR APPROVED EQUAL, OUTSIDE PAINTED PER NOTE 4 HEREON |
| ⑨ | 6" OR 8" DIA. DIP FLANGED 90° BEND |
| ⑩ | 6" x 8" DIP REDUCER, IF APPLICABLE |

JURUPA COMMUNITY SERVICES DISTRICT

SCALE: NONE

DATE: JANUARY 2026

6" & 8" BLOW-OFF INSTALLATION FOR RECYCLED/NON-POTABLE WATER LINE

DRAWING NO.

R/NP-18B

REV.

APPROVED BY:

Jesse Pompa, Dir. Of Eng. & Wtr Resources

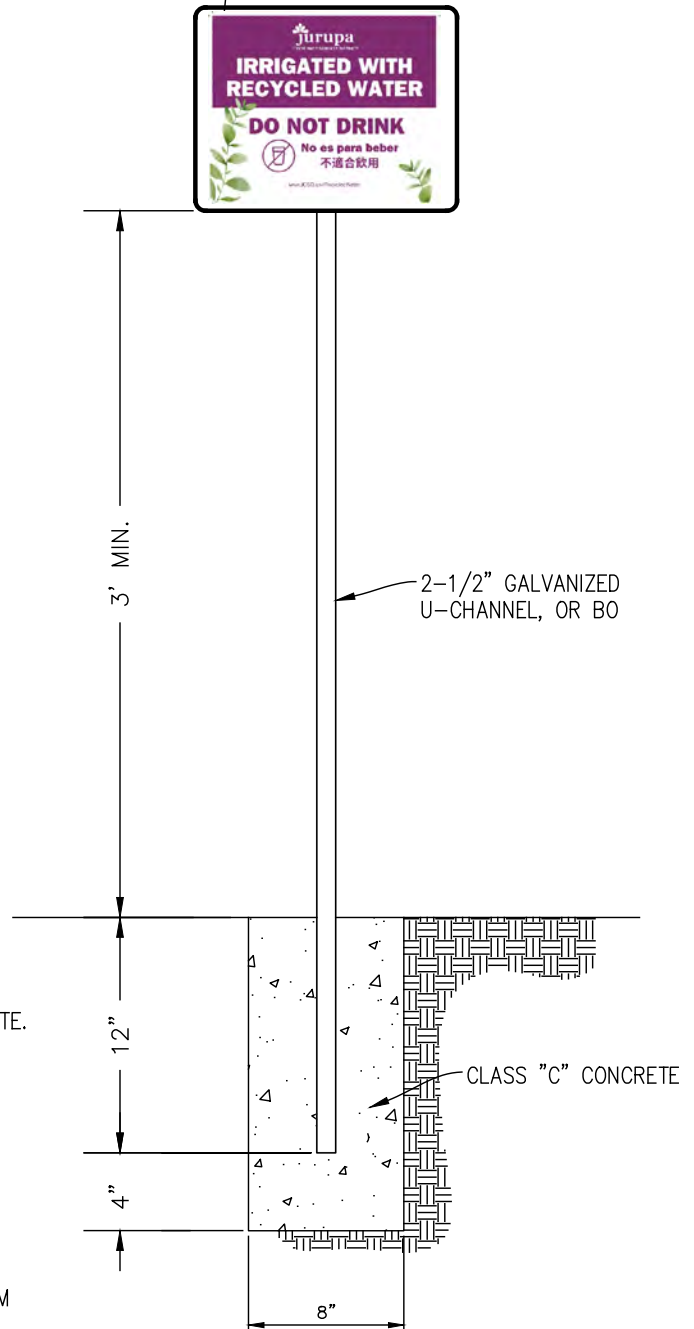
APPROVED BY:

Matthew Abel, Dir. Of Ops.

NOTES:

1. REQUIRED SIGNAGE FOR RECYCLED WATER USE AREAS: ALL USE AREAS ACCESSIBLE TO THE PUBLIC SHALL BE POSTED WITH SIGNS THAT ARE VISIBLE TO THE PUBLIC IN A SIZE NO LESS THAN 8.5 INCHES HIGH BY 11 INCHES WIDE.
2. ALL PROPER SIGNAGE, AS SHOWN MUST BE IN PLACE PRIOR TO ISSUANCE OF METER FOR YOUR SYSTEM. FAILURE TO INSTALL THE REQUIRED SIGNAGE PER DISTRICT STANDARDS WILL DELAY YOUR METER SET. IF A SYSTEM IS FOUND TO BE OPERATING ON A JUMPER OR METER WITHOUT THE PROPER SIGNS INSTALLED, YOU WILL BE GIVEN 48 HOURS NOTICE TO INSTALL PROPER SIGNAGE BEFORE THE DISTRICT WILL "LOCK OFF" THE SERVICE. EXISTING PLANT MATERIAL MAY WITHER AND DIE AS RESULT OF A METER BEING LOCKED OFF.

INSTALL WITH $\frac{3}{8}$ " STAINLESS STEEL BOLTS – LENGTH AS REQUIRED. USE 1" DIAMETER WASHER TO PROTECT SIGN.



NOTES:

1. FOR POSTING IN AREAS THAT IRRIGATE WITH RECYCLED WATER.
2. SIGN MUST BE VISIBLE TO PUBLIC IN A SIZE NO LESS THAN 8.5 INCHES HIGH BY 11 INCHES WIDE. POST MUST BE SET IN CONCRETE.
3. INSTALL WITH $\frac{3}{8}$ " STAINLESS STEEL BOLTS – LENGTH AS REQUIRED. USE 1" DIAMETER WASHER TO PROTECT SIGN.
4. SIGNS TO BE PLACED AT ALL ENTRANCES TO SITE.
5. SIGNS ALSO TO BE PLACED AT ALL PUBLIC ENTRANCES TO THE BUILDINGS.
6. SIGN MATERIAL SHALL BE 5052-H38 ALODIZED/ANODIZED ALUMINUM (THICKNESS = 0.080 INCHES)

JURUPA COMMUNITY SERVICES DISTRICT

SCALE: NONE

DATE: JANUARY 2026

SIGNAGE DETAIL

FOR RECYCLED/NON-POTABLE WATER LINE

DRAWING NO.

R/NP-19

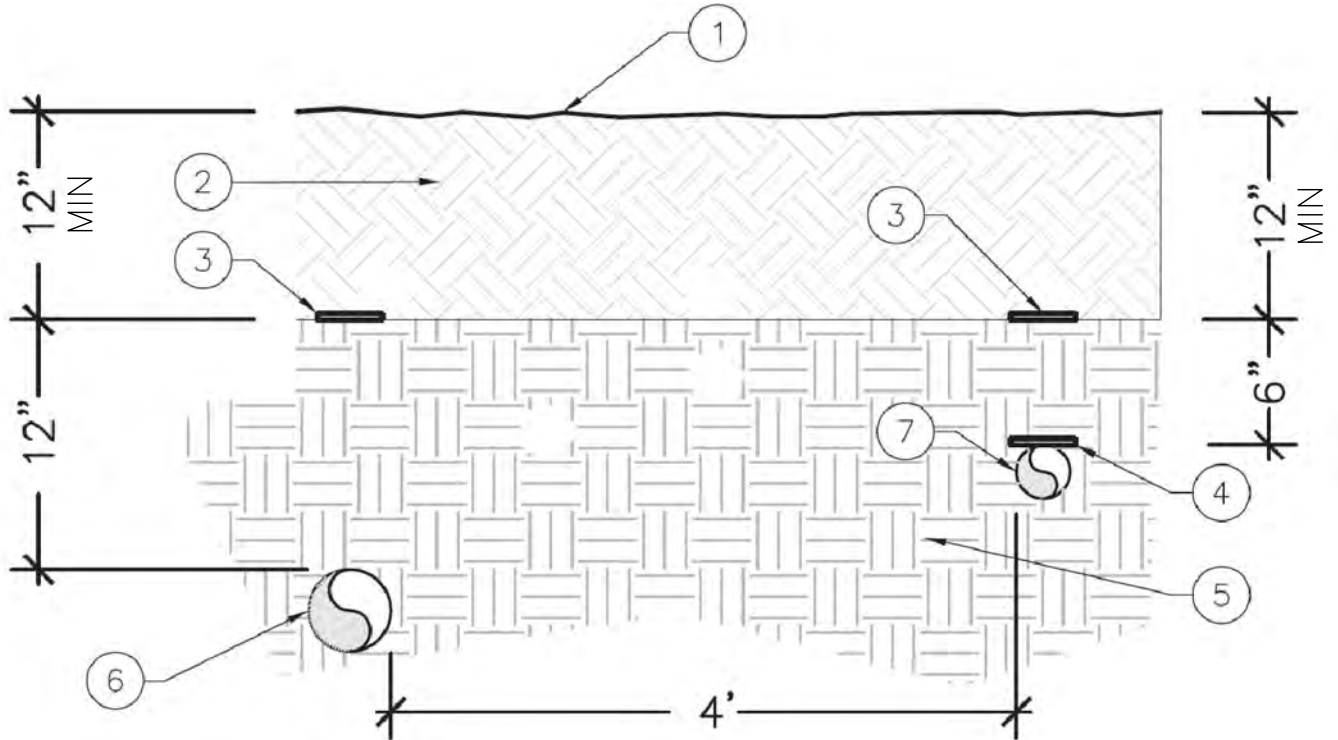
REV.

APPROVED BY:

Jesse Pompa, Dir. Of Eng. & Wtr Resources

APPROVED BY:

Matthew Abel, Dir. Of Ops.



NOTES:

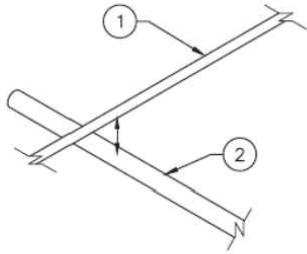
1. FINISH GRADE.
2. TOPSOIL BACKFILL, NO PARTICLES GREATER THAN 1". COMPACT TO 90% RELATIVE DENSITY.
3. TRACER TAPE (TYPICAL).
4. ID TAPE AFFIXED DIRECTLY TO COPPER PIPE, EVERY 5-FEET UNLESS EXISTING PIPE LABEL.
5. PREPARED BACKFILL, COMPACTED TO 90% R.D. SEE PROJECT SPECIFICATIONS FOR DETAILS.
6. RW PVC PRESSURE LINE PER IRRIGATION PLAN.
7. PW COPPER LINE PER ONSITE PLAN.

NOTE: FOR PIPE CROSSINGS, POTABLE TO BE ABOVE RECYCLED WITH A FULL STANDARD PIPE LENGTH CENTERED OVER THE CROSSING, EXTENDING 10-FEET TO EITHER SIDE, OR A PVC C900 SLEEVE SHALL BE USED, 2-INCHES IN DIAMETER GREATER THAN THE PIPE.

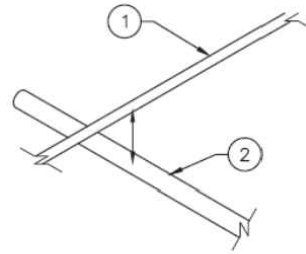
JURUPA COMMUNITY SERVICES DISTRICT

| | | |
|---|---|-------------------------------|
| SCALE: NONE | ONSITE PIPE TRENCH SECTION AND HORIZONTAL SEPARATION FOR RECYCLED/NON-POTABLE WATER LINE | DRAWING NO. R/NP-20 |
| DATE: JANUARY 2026 | | |
| APPROVED BY: Jesse Pompa, Dir. Of Eng. & Wtr Resources | APPROVED BY: Matthew Abel, Dir. Of Ops. | |

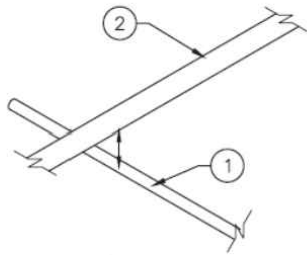
REV.



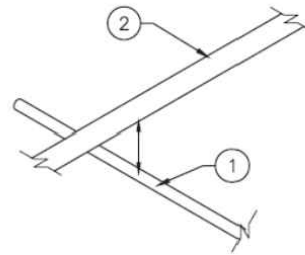
1A LESS THAN 1' BELOW POTABLE – NOT ALLOWED



1B GREATER THAN 1' BELOW POTABLE – NO SPECIAL CONSTRUCTION REQ'D



2A LESS THAN 1' ABOVE POTABLE – NOT ALLOWED



2B GREATER THAN 1' ABOVE POTABLE – SEE NOTE (RIGHT)

NOTES:

- 1. POTABLE WATER LINE.
- 2. PRESSURIZED RECYCLED WATER LINE.

NOTE: A FULL STANDARD PIPE LENGTH MUST BE CENTERED OVER THE CROSSING, OR THE RECYCLED PIPELINE MUST BE INSTALLED IN A PIPE SLEEVE WHICH EXTENDS A MINIMUM OF 10 FEET ON EITHER SIDE OF THE POTABLE WATER PIPING, THE PIPE SLEEVE SHALL BE PVC C900 OR C909 AND 2 INCHES GREATER IN DIAMETER THAN THE RECYCLED PIPE.

JURUPA COMMUNITY SERVICES DISTRICT

SCALE: NONE

DATE: JANUARY 2026

ONSITE VERTICAL SEPARATION FOR RECYCLED/NON-POTABLE WATER LINE

DRAWING NO.

R/NP-21

REV.

APPROVED BY:

Jesse Pompa, Dir. Of Eng. & Wtr Resources

APPROVED BY:

Matthew Abel, Dir. Of Ops.

1. THE INSTALLATION OF THE ONSITE RECYCLED WATER IRRIGATION SYSTEM SHALL CONFORM TO JCSD RECYCLED WATER ON-SITE DESIGN/ CONSTRUCTION STANDARDS AND STANDARD DRAWINGS.
2. A JCSD REPRESENTATIVE SHALL BE NOTIFIED THREE (3) BUSINESS DAYS PRIOR TO THE START OF ANY CONSTRUCTION.
3. EXISTING UNDERGROUND UTILITIES ARE SHOWN PER AVAILABLE RECORDS. THE CONTRACTOR IS REQUIRED TO VERIFY AND DOCUMENT ON RECORD DRAWINGS THE ACTUAL LOCATION AND ELEVATIONS IN THE FIELD OF ALL UTILITIES AND ALL POINTS OF CONNECTION. THE FIELD VERIFICATION (POTHOLING) SHALL BE COMPLETED PRIOR TO THE COMMENCEMENT OF ANY MODIFICATIONS TO THE IRRIGATION SYSTEM AND CONNECTION TO THE METER.
4. THE CONTRACTOR SHALL NOTIFY 811 UNDERGROUND SERVICE ALERT (USA) AT 1-800-422-4133 AND ALL PUBLIC UTILITY COMPANIES AND OWNERS OF ALL PRIVATE FACILITIES AT LEAST TWO (2) WORKING DAYS IN ADVANCE OF PERFORMING ANY WORK WITHIN SAID AREA.
5. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE, VERIFY DEPTH AND PROTECT ALL STRUCTURES, INCLUDING SUBSTRUCTURES, SHOWN ON THE PLANS. THE CONTRACTOR SHALL BEAR THE ENTIRE COST OF REPAIRING OR REPLACING ANY OF SAID STRUCTURES DAMAGED BY HIM/HER DURING PROSECUTION OF THE WORK. ALL REPAIRS AND REPLACEMENTS SHALL BE INSPECTED BY A JCSD REPRESENTATIVE.
6. THE CONTRACTOR IS RESPONSIBLE FOR PERMITS AND ASSOCIATED FEES. THE CONTRACTORS SHALL APPLY FOR ALL NECESSARY PERMITS, INCLUDING PLUMBING AND ENCROACHMENT, FROM RIVERSIDE COUNTY PRIOR TO START OF ANY WORK ON-SITE.
7. ALL IMPROVEMENTS IN THE PUBLIC RIGHT OR WAY DAMAGED DURING CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE RECONSTRUCTED PER RIVERSIDE COUNTY STANDARDS AND TO THE SATISFACTION OF THE AGENCY AND COUNTY REPRESENTATIVE.
8. CONTRACTOR SHALL RESTORE SITE AND VEGETATION TO PRE-CONSTRUCTION CONDITIONS AT THE END OF THE PROJECT PER OWNER'S REPRESENTATIVE APPROVAL. CONTRACTOR SHALL VIDEOTAPE THE PROJECT SITE PRIOR TO THE STARTING OF CONSTRUCTION.
9. ALL NEW REMOTE-CONTROL VALVES, GATE VALVES AND PRESSURE RELIEF VALVES SHALL BE INSTALLED IN SUITABLE VALVE BOXES COMPLETE WITH LOCKING AND HINGED COVERS. EACH SHALL BE MARKED WITH "RW" TO INDICATE THE USE OF RECYCLED WATER.
10. QUICK COUPLERS AND ELECTRICAL CONTROLLERS SHALL BE IDENTIFIED WITH THE PROPER SIGNAGE. QUICK COUPLERS SHALL BE INSTALLED IN PURPLE VALVE BOXES.
11. RECYCLED WATER SIGNS SHALL BE INSTALLED AT LOCATIONS AGREEABLE TO CUSTOMER, JCSD, AND STATE WATER RESOURCES CONTROL BOARD DIVISION OF DRINKING WATER (DDW) AS SHOWN ON PLANS. SIGNS MAY BE MOUNTED ON POLES, ATTACHED TO EXISTING FENCES, BUILDINGS, OR EXISTING POLE MOUNTED SIGNS.
12. ALL CONCRETE SHALL BE 560-C-3250 UNLESS OTHERWISE SPECIFIED.
13. PRIOR TO DELIVERING RECYCLED WATER TO THE PROPERTY, A SUCCESSFUL CROSS CONNECTION TEST WILL BE REQUIRED. THE FOLLOWING ENTITIES MAY BE PARTICIPATING IN THE TESTS: CUSTOMER, DDW, AND JCSD. THE CONTRACTOR WILL BE REQUIRED TO SEQUENCE THEIR WORK TO ALLOW FOR THE CROSS-CONNECTION TEST PRIOR TO PERFORMING THE DISCONNECTION OF THE POTABLE WATER AND CONNECTION OF THE RECYCLED WATER TO THE EXISTING IRRIGATION SYSTEM. THE CONTRACTOR SHALL PLAN TO PROVIDE 8 HOURS OF LABOR TO ASSIST DURING TESTING.
14. THIS SYSTEM IS DIAGRAMMATIC. ALL PIPE, VALVE, ETC SHOWN ARE DESIGN CLARIFICATION ONLY AND SHALL BE INSTALLED IN PLANTING AREAS WHEREVER POSSIBLE.
15. QUALITY CONTROL SEQUENCES FOR CONSTRUCTION ACTIVITIES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
16. CLEAN-UP CONTROL SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
17. WORKING HOURS SHALL BE PER OWNER'S REPRESENTATIVE APPROVAL. HOURS WILL BE FROM 8:30 AM TO 3:30 PM MONDAY - FRIDAY. NO WORK IS PERMITTED ON WEEKENDS.
18. CONTRACTOR TO CONTACT JCSD FOR SITE INSPECTIONS OF ALL ONSITE WATER FACILITIES BEFORE BURIED. INSPECTION REQUEST SHALL BE MADE A MINIMUM OF FIVE (5) BUSINESS DAYS IN ADVANCE OF INSPECTION. INSPECTIONS SHALL INCLUDE ALL RECYCLED AND POTABLE WATER MAINLINES SERVING IRRIGATION, DOMESTIC AND FIRE WATER USES ONSITE.

JURUPA COMMUNITY SERVICES DISTRICT

SCALE: NONE

DATE: JANUARY 2026


RETROFIT STANDARD NOTES FOR RECYCLED/NON-POTABLE WATER LINE

DRAWING NO.

R/NP-22


REV.

APPROVED BY:



Jesse Pompa, Dir. Of Eng. & Wtr Resources

APPROVED BY:



Matthew Abel, Dir. Of Ops.

19. CONTRACTOR SHALL PROVIDE ACCESS TO DRIVEWAYS AT ALL TIMES.
20. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ACQUIRING STAGING, STOCKPILE AREAS AND FENCING THEM ACCORDINGLY. POST SIGNS A MINIMUM OF SEVEN (7) DAYS PRIOR TO CONSTRUCTION ACTIVITIES.
21. DEVIATION IN THE FIELD SHOULD BE BROUGHT UP TO THE JCSD REPRESENTATIVE IMMEDIATELY FOR PROPER DIRECTION.
22. TYPICAL (TYP.) REFERS TO EVERY SINGLE AFOREMENTIONED ITEM ON SITE.
23. ALL SURPLUS MATERIAL REMOVED, INCLUDING EXCAVATED MATERIALS WHICH ARE NOT SUITABLE FOR USE IN THIS PROJECT SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL DISPOSE AWAY FROM THE JOB SITE IN A MANNER AND LOCATION THAT IS ACCEPTABLE TO ALL COGNIZANT AGENCIES.
24. METER TO BE SALVAGED AND RETURNED TO JCSD, MUST BE DONE IN THE PRESENCE OF THE JCSD REPRESENTATIVE. SALVAGED MATERIAL WILL BE NOTED ON THE PLANS.
25. CONTRACTOR SHALL COORDINATE WITH JCSD FOR THE CONSTRUCTION OF THE RECYCLED WATER METER AND START-UP SERVICES. CONTRACTOR IS RESPONSIBLE FOR CONNECTION FROM THE METER TO THE IRRIGATION SYSTEM.
26. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE TO ALL PROJECT EXISTING UTILITIES, PAVEMENT, CURB, TRAFFIC STRIPING MARKINGS, STRUCTURE AND LANDSCAPING IRRIGATION SYSTEM AS A RESULT OF HIS/HER OPERATIONS. IT WILL BE REQUIRED TO REPAIR OR REPLACE "THE SAME" TO THE SATISFACTORY AS NOTED BY JCSD.
27. ALL TRENCHES AND OPEN AREAS SHALL BE PROPERLY SECURED, COVERED, AND IDENTIFIED TO PREVENT ACCIDENTS AT ALL TIMES.
28. CONTRACTOR SHALL KEEP RESTROOMS OPEN DURING CONSTRUCTION. CONTRACTOR SHALL POST SIGNS AT FACILITIES BEING IMPACTED BY THE CROSS-CONNECTION TEST AT A MINIMUM SEVEN (7) DAYS PRIOR TO SHUTDOWN.
29. CONTRACTOR SHALL ADJUST IRRIGATION SPRAY PATTERNS TO MINIMIZE OVERSPRAY.
30. CROSS CONNECTION TEST PLAN
 PRIOR TO INSTALLATION OF THE RECYCLED WATER METER, A CROSS CONNECTION TEST MUST BE COMPLETED UNDER SUPERVISION OF CERTIFIED CROSS CONNECTION CONTROL SPECIALIST, CUSTOMER'S SITE SUPERVISOR, AND JCSD TEST SHALL BE A TWO-WAY SHUTDOWN TEST.
 THE FOLLOWING OUTLINES THE STEPS OF THE TEST:

 STEP #1. ESTABLISH BASELINE: OPERATE IRRIGATION USES TO VERIFY FUNCTIONALITY & PRESSURE.
 A. CHECK AND OPERATE IRRIGATION CONTROL VALVES.

 STEP #2. IRRIGATION OFF: THE IRRIGATION SYSTEM SHALL BE TURNED OFF, DRAINED AND REMAIN DEACTIVATED FOR AN ADEQUATE PERIOD OF TIME BASED ON SITE-SPECIFIC CHARACTERISTICS.
 A. SHUTOFF THE IRRIGATION SYSTEM FEED AT THE BACKFLOW PREVENTION DEVICE.
 B. OPERATE IRRIGATION USES TO VERIFY NO PRESSURE BY CYCLING THE IRRIGATION CLOCKS TO DETERMINE NO FLOW AND CHECKING QUICK COUPLERS.
 C. OPERATE DOMESTIC USES TO VERIFY PRESSURE BY FIXTURE TEST.
 D. TURN IRRIGATION SYSTEM BACK ON.

 STEP #3. DOMESTIC OFF: THE DOMESTIC SYSTEM SHALL BE TURNED OFF, DRAINED AND REMAIN DEACTIVATED FOR AN ADEQUATE PERIOD OF TIME BASED ON SITE-SPECIFIC CHARACTERISTICS.
 A. SHUTOFF THE DOMESTIC WATER SYSTEM FEED AT THE BACKFLOW PREVENTION DEVICE.
 B. OPERATE DOMESTIC USES TO VERIFY NO PRESSURE BY FIXTURE TEST TO VERIFY NO FLOW.
 C. OPERATE IRRIGATION USES TO VERIFY FLOW.
 D. TURN DOMESTIC SYSTEM BACK ON.

JURUPA COMMUNITY SERVICES DISTRICT

SCALE: NONE

DATE: JANUARY 2026

RETROFIT STANDARD NOTES CONT. FOR RECYCLED/NON-POTABLE WATER LINE

DRAWING NO.

R/NP-22

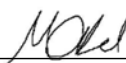
REV.

APPROVED BY:

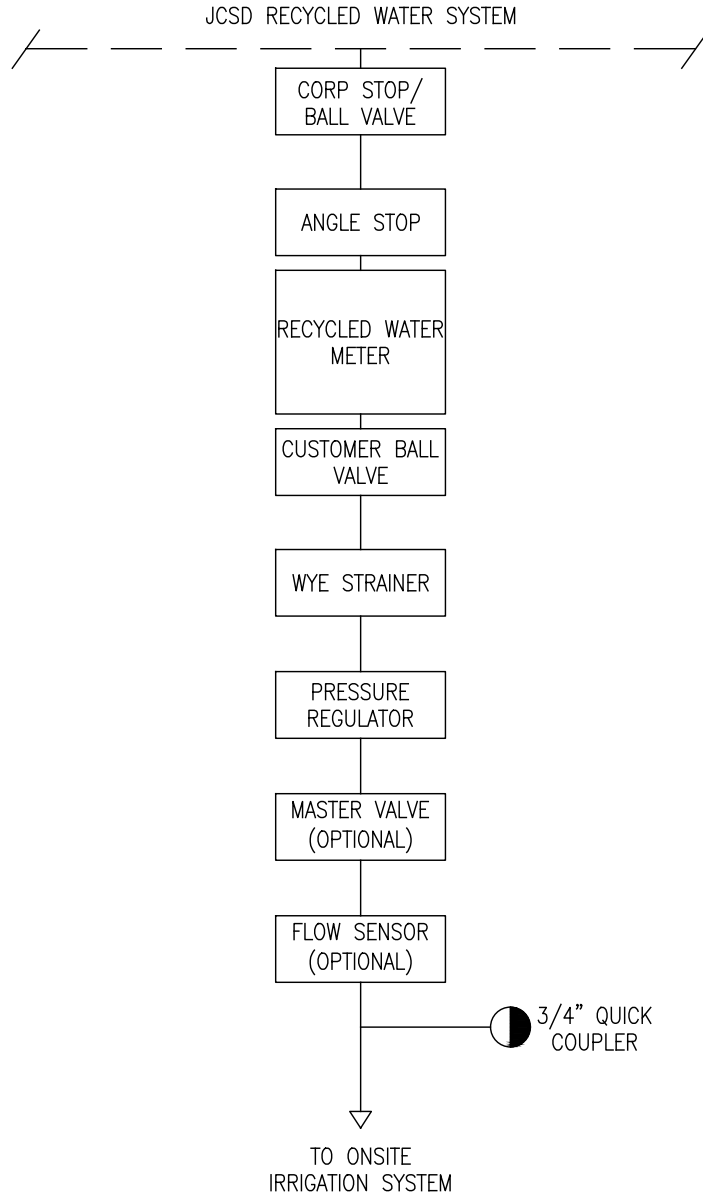


Jesse Pompa, Dir. Of Eng. & Wtr Resources

APPROVED BY:



Matthew Abel, Dir. Of Ops.



NOTES:

1. IF REQUIRED BY OWNER, BOOSTER PUMP SHALL BE IN-PLACE OF PRESSURE REGULATOR.

JURUPA COMMUNITY SERVICES DISTRICT

SCALE: NONE

DATE: JANUARY 2026

POINT OF CONNECTION DETAIL FOR RECYCLED/NON-POTABLE WATER LINE

DRAWING NO.

R/NP-23

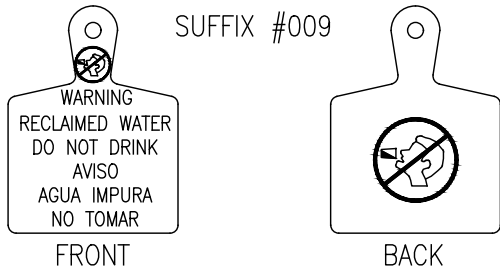
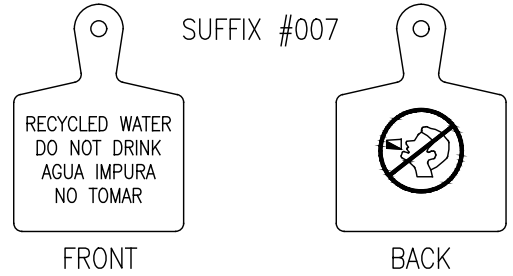
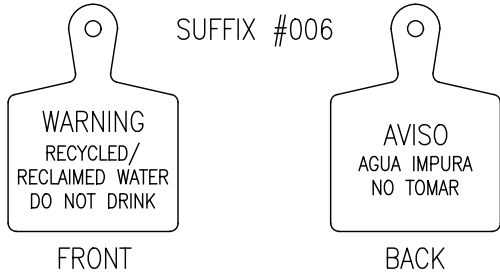
REV.

APPROVED BY:

Jesse Pompa, Dir. Of Eng. & Wtr Resources

APPROVED BY:

Matthew Abel, Dir. Of Ops.



NOTES:

1. ALL RECYCLED WATER SYSTEM INFRASTRUCTURE SHALL BE TAGGED WITH IDENTIFICATION TAGS (IRRIGATION CONTROL VALVES, QUICK COUPLING VALVES, GATE VALVES, BALL VALVES, FLUSH VALVES, PRESSURE REGULATING VALVES, STRAINERS, ETC).
2. TAGS SHALL BE WEATHERPROOF POLYURETHANE, 3"x4", PURPLE IN COLOR WITH THE WORDS "WARNING - RECYCLED WATER - DO NOT DRINK" IMPRINTED ON ONE SIDE, AND "AVISA - AGUA IMPURA - NO TOMAR" ON THE OTHER SIDE OR USE OF A UNIVERSAL DO NOT DRINK SYMBOL IMPRINTING SHALL BE PERMANENT AND BLACK IN COLOR.
3. USE TAGS AS MANUFACTURED BY T. CHRISTY ENTERPRISES OR APPROVED EQUAL. APPROVED MODELS INCLUDE : ID-MAX-P2-RC006, ID-MAX-P2-RC007-, OR ID-MAX-P2-RC009.
4. TAGS SHALL BE WIRED OR PLASTIC TIE WRAPPED TO VALVE STEM, SOLENOID, OR BOLT AS REQUIRED. INTENT IS VALVE OPERATOR MUST MOVE TAG TO OPERATE VALVE.

JURUPA COMMUNITY SERVICES DISTRICT

SCALE: NONE

DATE: JANUARY 2026

RECYCLED WATER - ID TAG FOR RECYCLED/NON-POTABLE WATER LINE

DRAWING NO.

R/NP-24

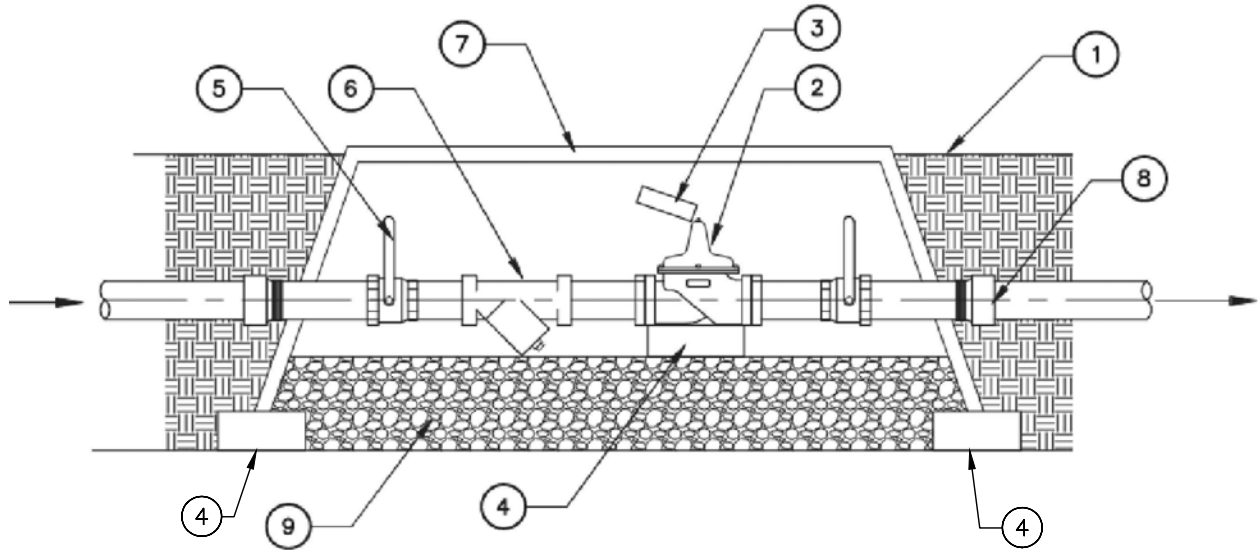
REV.

APPROVED BY:

Jesse Pompa, Dir. Of Eng. & Wtr Resources

APPROVED BY:

Matthew Abel, Dir. Of Ops.



NOTES:

1. FINISH GRADE. 1/2" IN LAWN AREAS, 3" ABOVE GRADE IN SHRUB AND GROUND COVER AREAS AT GRADE WHEN INSTALLED NEAR WALKS, CURBS, HEADERBOARDS AND PAVING AREAS.
2. CONSTRUCT PRESSURE REDUCING VALVE (IF REQUIRED AND SIZE PER PLANS) W/ THREADED OUTLETS (WATTS MODEL 223 OR APPROVED EQUAL). LOCATE PRV AS CLOSE AS POSSIBLE TO EXISTING RECYCLED WATER METER.
3. INSTALL RECYCLED WATER I.D. TAG PER JCSD SPECIFICATIONS.
4. PROVIDE PIPE SUPPORT.
5. BALL VALVE WITH RESILIENT SEAT (SIZE AND MODEL PER PLANS).
6. WYE STRAINER (SIZE PER PLANS).
7. JUMBO PLASTIC VALVE BOX TO BE SIZED BY CONTRACTOR TO HOUSE WYE STRAINER OR AS SEPARATE BOXES PER CUSTOMER DISCRETION. VALVE BOX COVER TO BE PURPLE INDICATING RECYCLED WATER USE.
8. TRANSITION COUPLING (TYP.), SIZE PER PLANS.
9. 3/4" WASHED CRUSHED AGGREGATE BASE.

JURUPA COMMUNITY SERVICES DISTRICT

SCALE: NONE

DATE: JANUARY 2026

PRV AND WYE-STRAINER ASSEMBLY FOR RECYCLED/NON-POTABLE WATER LINE

DRAWING NO.

R/NP-25

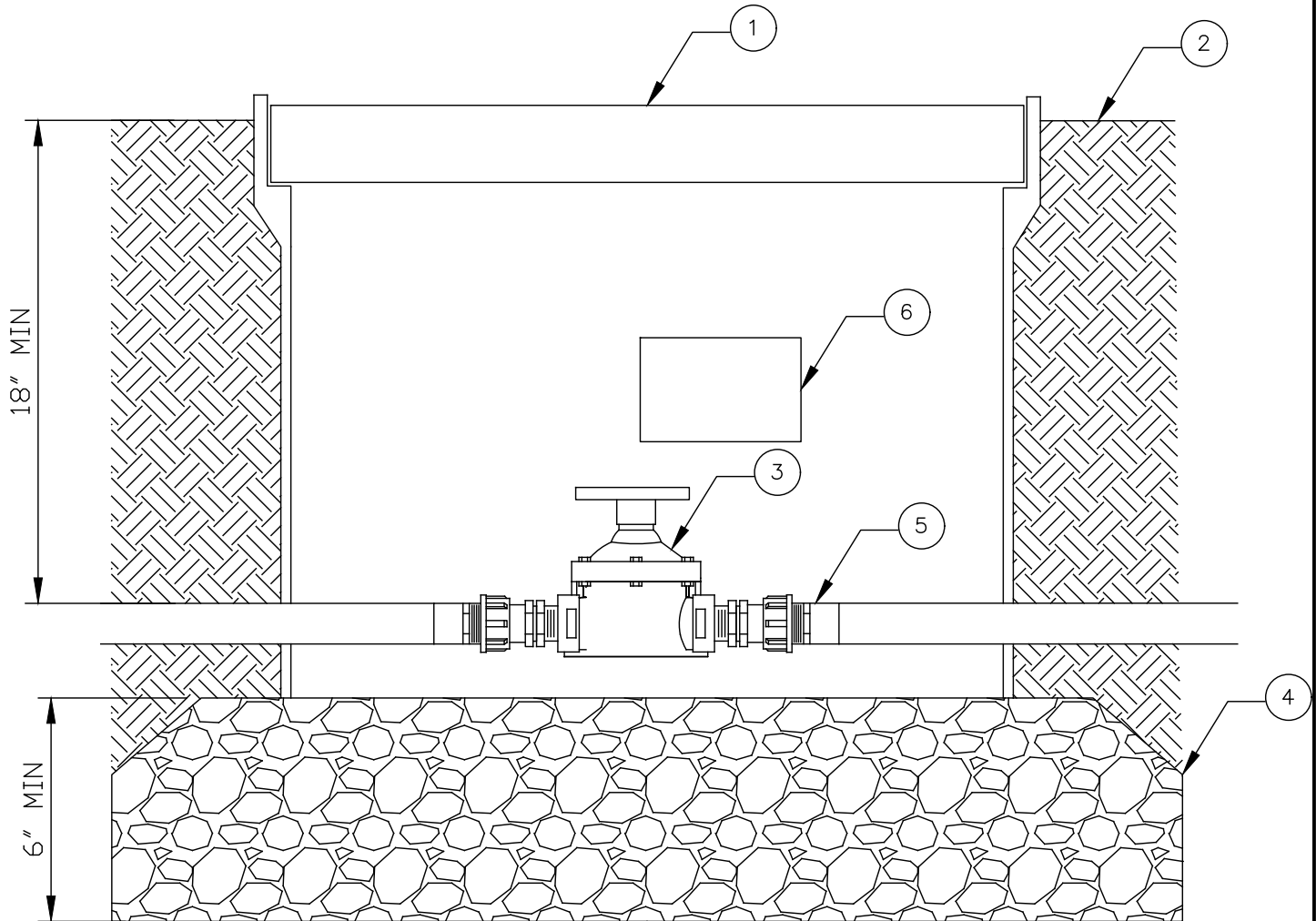
REV.

APPROVED BY:

Jesse Pompa, Dir. Of Eng. & Wtr Resources

APPROVED BY:

Matthew Abel, Dir. Of Ops.



NOTES:

1. ROUND PURPLE PLASTIC VALVE BOX & COVER BRANDED.
2. FINISH GRADE. 1/2" IN LAWN AREAS, 3" ABOVE GRADE IN SHRUB AND GROUNDCOVER AREAS AT GRADE WHEN INSTALLED NEAR WALKS, CURBS, HEADERBOARDS AND PAVING AREAS.
3. ISOLATION VALVE (SEE PLANS) – SEE IRRIGATION LEGEND.
4. 3/4" WASHED CRUSHED AGGREGATE BASE. PLACE AGGREGATE PRIOR TO INSTALLATION OF VALVE BOX.
5. SCH. 40 PVC MALE ADAPTORS.
6. INSTALL PLASTIC CHRISTI OR EQUIVALENT RECYCLED WATER VALVE I.D. TAG PER JCSD R/NP-24.

JURUPA COMMUNITY SERVICES DISTRICT

SCALE: NONE

DATE: JANUARY 2026

**IRRIGATION – ISOLATION VALVE
FOR RECYCLED/NON-POTABLE WATER LINE**

DRAWING NO.

R/NP-26

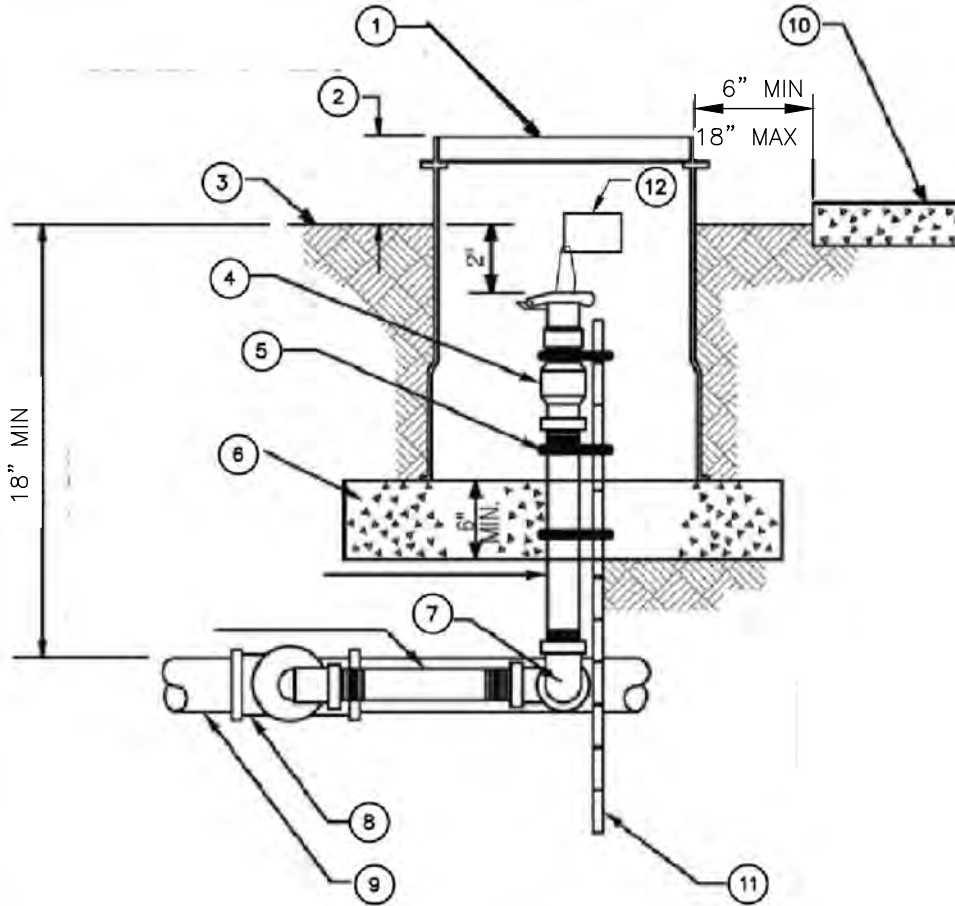
REV.

APPROVED BY:

Jesse Pompa, Dir. Of Eng. & Wtr Resources

APPROVED BY:

Matthew Abel, Dir. Of Ops.



NOTES:

1. ROUND PURPLE PLASTIC VALVE BOX & COVER BRANDED.
2. FINISH GRADE. 1/2" LAWN AREAS, 3" ABOVE GROUND COVER AREAS AND AT GRADE WHEN INSTALLED NEAR WALKS, CURBS, HEADBOARDS AND PAVING AREAS.
3. 150 PSI BRASS 1-INCH QUICK COUPLING VALVE WITH ACME THREAD BODY AND PURPLE RUBBER CAP.
4. STAINLESS STEEL SCREW CLAMP MINIMUM (3) PLACES.
5. 3/4" WASHED CRUSHED AGGREGATE BASE. PLACE AGGREGATE PRIOR TO INSTALLATION OF VALVE BOX.
6. SPEARS PER-ASSEMBLE SWING JOINT.
7. PRESSURE SUPPLY LINE FITTING.
8. PRESSURE SUPPLY LINE.
9. STRUCTURE OR HARDSCAPING.
10. #4 REBAR STAKE (24" LONG).
11. INSTALL RECYCLED WATER I.D. TAG PER JCSD R/NP-22.

JURUPA COMMUNITY SERVICES DISTRICT

SCALE: NONE

DATE: JANUARY 2026

IRRIGATION QUICK COUPLING VALVE FOR RECYCLED/NON-POTABLE WATER LINE

DRAWING NO.

R/NP-27

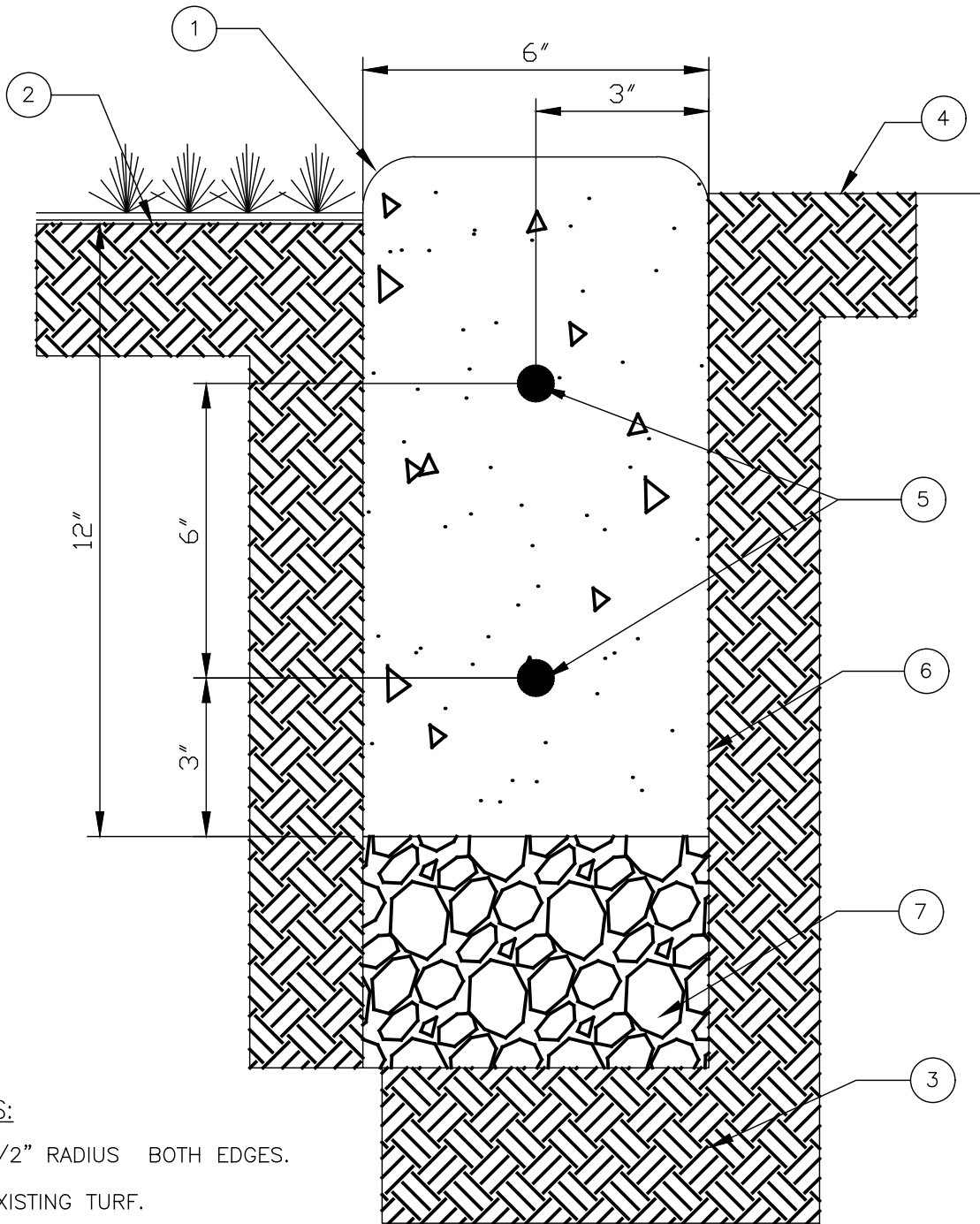
REV.

APPROVED BY:

Jesse Pompa, Dir. Of Eng. & Wtr Resources

APPROVED BY:

Matthew Abel, Dir. Of Ops.



NOTES:

1. 1/2" RADIUS BOTH EDGES.
2. EXISTING TURF.
3. PREPARED BACKFILL COMPACTED TO 90% R.C. SEE PROJECT SPECIFICATIONS FOR DETAILS.
4. FINISHED GRADE.
5. #4 REBAR, CONTINUOUS.
6. NEW CONCRETE MOW STRIP. ALL CONCRETE SHALL BE 560-C-3250.
7. 3/4" CRUSHED AND COMPACTED TO 90% GRAVEL BASE.

NOTE: EXPANSION JOINTS 20' O.C. ALL MOW STRIPS SHALL BE FORMED AND HAND-POURED.

JURUPA COMMUNITY SERVICES DISTRICT

SCALE: NONE

DATE: JANUARY 2026

MOW CURB

FOR RECYCLED/NON-POTABLE WATER LINE

DRAWING NO.

R/NP-28

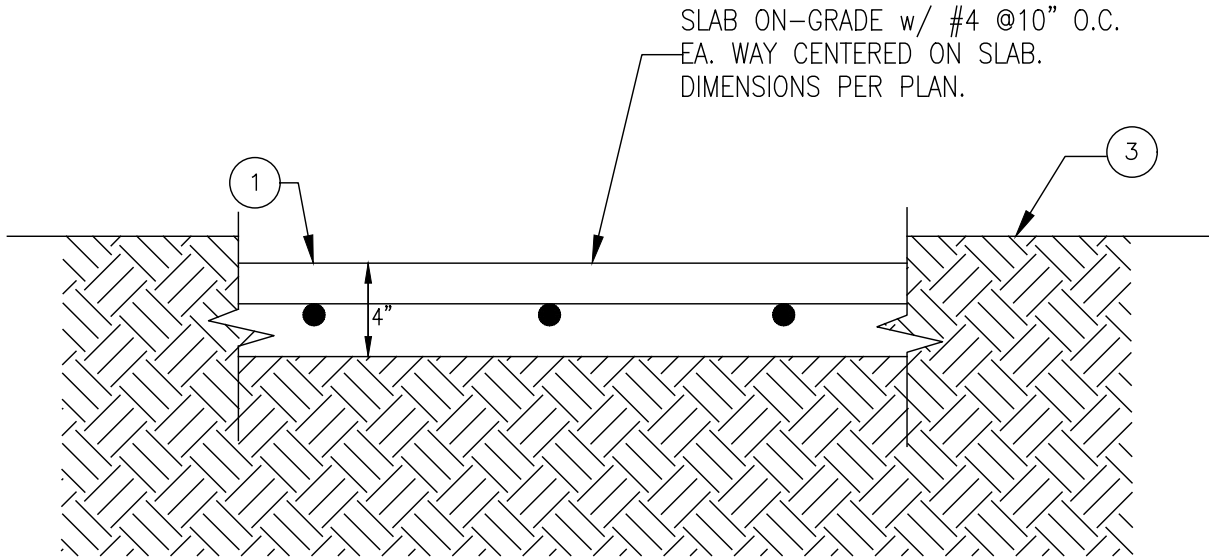
REV.

APPROVED BY:

Jesse Pompa, Dir. Of Eng. & Wtr Resources

APPROVED BY:

Matthew Abel, Dir. Of Ops.



NOTES:

1. ALL CONCRETE SHALL BE 560-C-3250 UNLESS OTHERWISE SPECIFIED.
2. PREPARED BACKFILL COMPACTED TO 90% R.C. SEE PROJECT SPECIFICATIONS FOR DETAILS.
3. FINISHED GRADE.

JURUPA COMMUNITY SERVICES DISTRICT

SCALE: NONE

DATE: JANUARY 2026

**CONCRETE SLAB ON GRADE
FOR RECYCLED/NON-POTABLE WATER LINE**

DRAWING NO.

R/NP-29

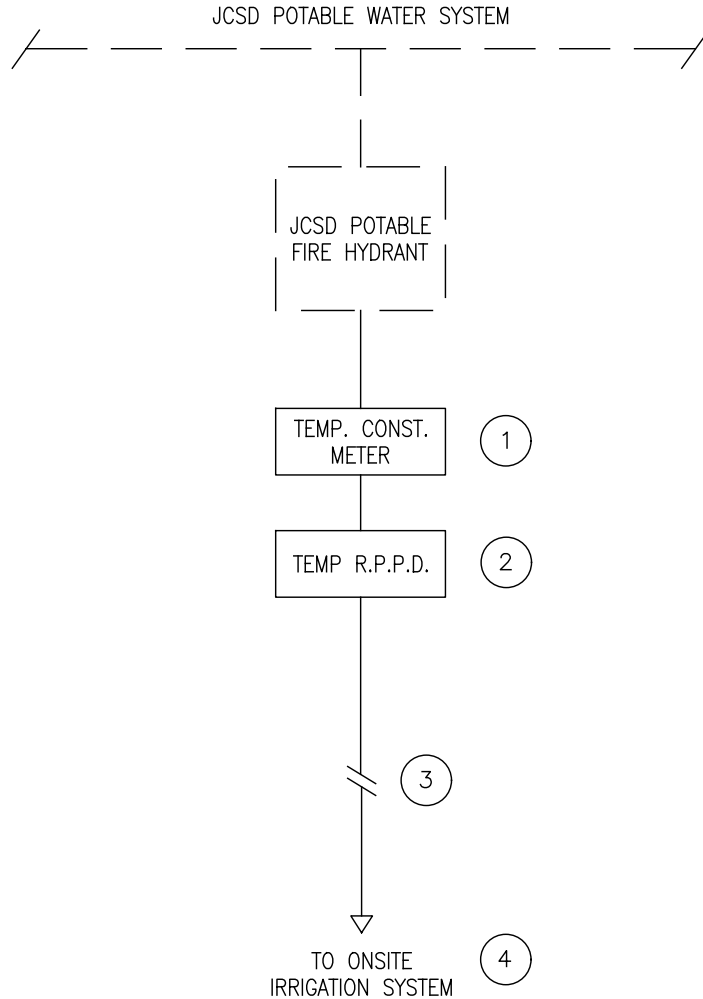
REV.

APPROVED BY:

Jesse Pompa, Dir. Of Eng. & Wtr Resources

APPROVED BY:

Matthew Abel, Dir. Of Ops.



NOTES:

1. CONSTRUCTION METER AVAILABLE FROM JCSD. PHONE: (951) 685-7434. EMAIL: INFO@JCSD.US
2. APPROVED REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTION DEVICE MUST BE INSTALLED IMMEDIATELY DOWNSTREAM OF CONSTRUCTION METER. DEVICE SHALL BE CERTIFIED BY CONTRACTOR PRIOR TO USE OR REINSTALLED AT A DIFFERENT LOCATION. PROVIDE PIPE SUPPORTS AS REQUIRED.
3. TEMPORARY PIPING CONNECTION TO EXISTING IRRIGATION SYSTEM AS REQUIRED BY PROJECT SPECIFICS LENGTH AND PIPE MATERIAL SHALL VARY. CONTRACTOR SHALL OBTAIN JCSD APPROVAL FOR PIPE MATERIALS.
4. NO RECYCLED WATER METER SHALL BE FURNISHED UNTIL AFTER COMPLETION OF THE CROSS CONNECTION TEST, APPROVAL BY JCSD, AND ONCE APPROVAL IS PROVIDED, THE TEMPORARY WATER CONNECTION CAN BE REMOVED.

JURUPA COMMUNITY SERVICES DISTRICT

SCALE: NONE

TEMPORARY CONNECTION TO POTABLE HYDRANT DETAIL

DRAWING NO.

DATE: JANUARY 2026

FOR RECYCLED/NON-POTABLE WATER LINE

R/NP-30

REV.

APPROVED BY:

Jesse Pompa, Dir. Of Eng. & Wtr Resources

APPROVED BY:

Matthew Abel, Dir. Of Ops.