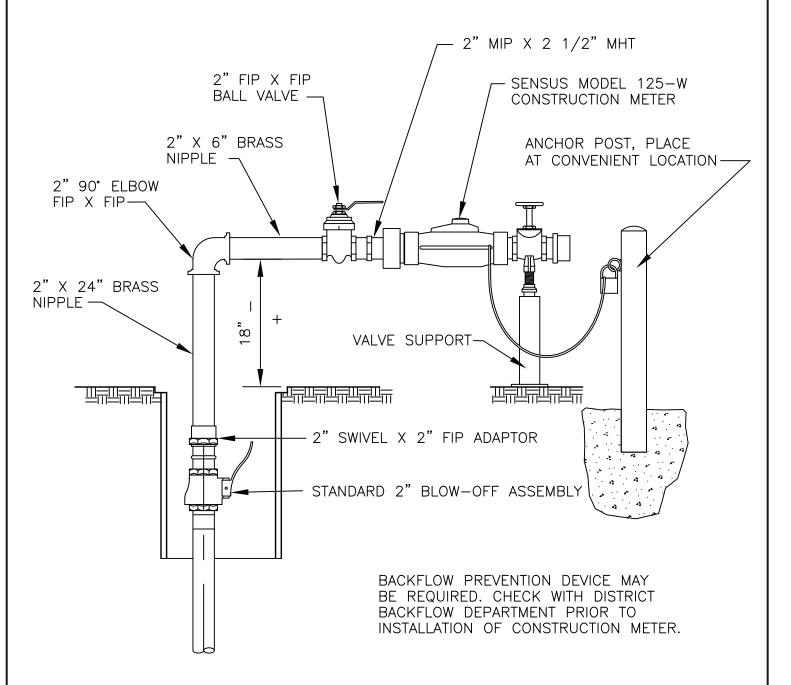
Vallecitos Water District

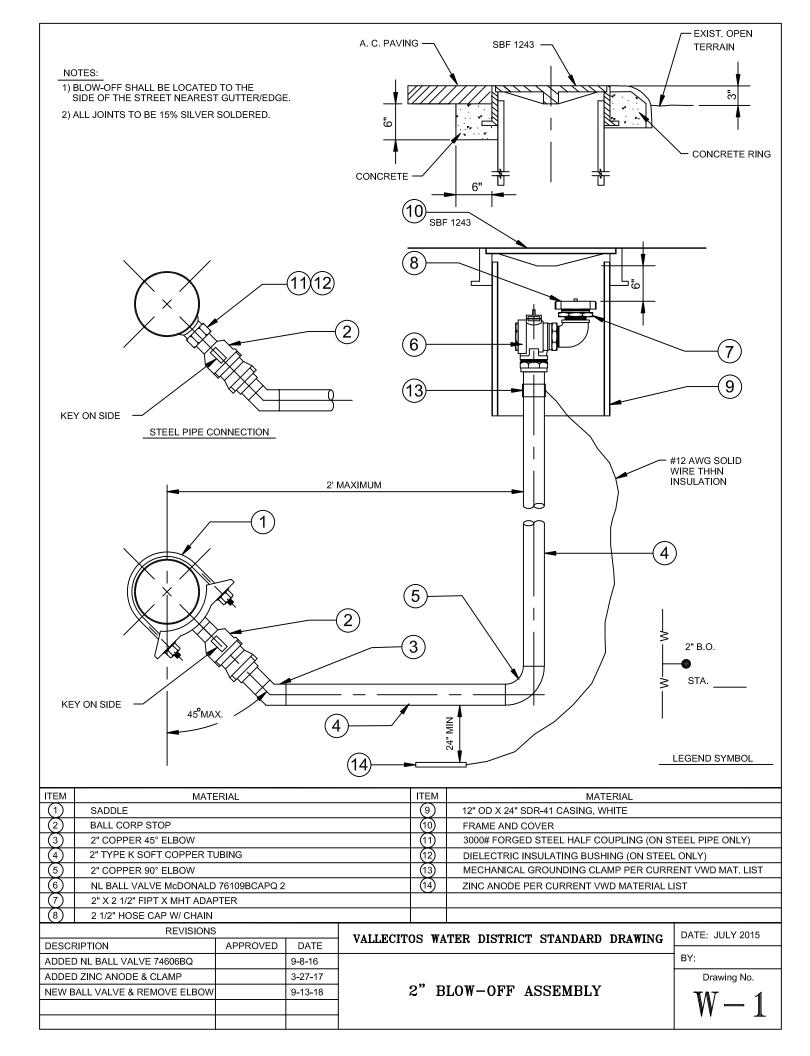
STANDARD DRAWING INDEX FOR WATER AND SEWER FACILITIES

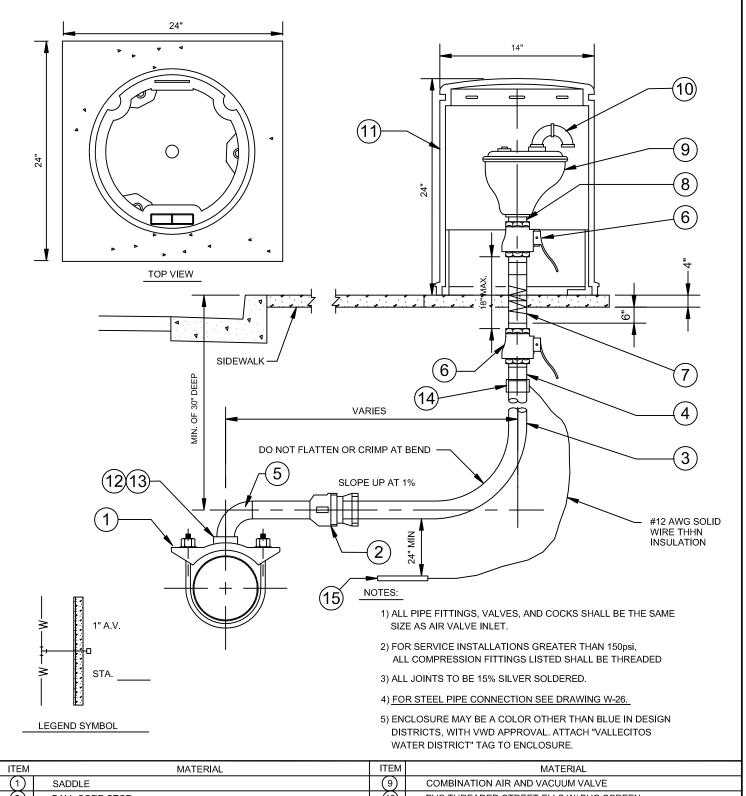
| Drawing No. | Description |
|-------------|--|
| W-0 | CONSTRUCTION METER ON A BLOW-OFF |
| W-1 | 2" BLOW-OFF ASSEMBLY |
| W-2 | 1" AUTOMATIC AIR AND VACUUM VALVE |
| W-3 | 2" AUTOMATIC AIR AND VACUUM VALVE |
| W-4 | FIRE HYDRANT INSTALLATION |
| W-5 | STANDARD FIRE HYDRANT LOCATIONS |
| W-6 | WATER SERVICE CONNECTION (3/4" AND 1" METER) |
| W-7 | 2" WATER SERVICE CONNECTION (1 1/2" AND 2" METER) |
| W-8 | HIGH PRESSURE WATER METER CONNECTION (3/4" THROUGH |
| | 2" METERS) |
| W-9 | 3"- 4"- 6" METER (BELOW GROUND) |
| W-10 | BLANK |
| W-11 | 3"- 4"- 6" METER (ABOVE GROUND) |
| W-12 | DETECTOR CHECK ASSEMBLY (BELOW GROUND) |
| W-13 | DETECTOR CHECK ASSEMBLY (ABOVE GROUND) |
| W-14 | VALVE BOX FRAME AND LID |
| W-15 | THRUST AND ANCHOR BLOCKS |
| W-16 | GATE VALVE INSTALLATION AND CAP ASSEMBLY |
| W-17 | TRENCH COMPACTION AND BACKFILL |
| W-18 | WARNING TAPE/ TRACER WIRE |
| W-19 | BACKFLOW PREVENTION DEVICE 2" AND SMALLER |
| W-20 | BLANK |
| W-21 | 1" WATER TEST STATION |
| W-22 | BLANK |
| W-23 | 4" & LARGER BLOW-OFF |
| W-24 | 3" & LARGER AIR RELEASE ASSEMBLY |
| W-25 | 3" & LARGER AIR RELEASE / ENCLOSURE |
| W-26 | SERVICE CONNECTION FOR STEEL PIPE |
| W-27 | UTILITY CROSSING (STEEL WATER PIPE) |
| W-28 | WATER UTILITY CROSSING (PVC/DIP) |
| GPTT P | |
| SEWER | CELLYD ADD MANIAN D |
| S-1 | STANDARD MANHOLE |
| S-2 | DROP MANHOLE TYPE "A" |
| S-3 | DROP MANHOLE TYPE "B" |
| S-4 | STANDARD LATERAL FOR SEWER |
| S-5 | DEEP-CUT LATERAL CONNECTION |
| S-6 | BLANK |
| S-7 | PROPERTY LINE CLEAN-OUT |
| S-8 | DEAD END CLEAN-OUT |
| S-9 | CUT IN FIELD LATERAL |
| S-10 | SUPPORT FOR UNDERCUT V.C. PIPE |
| S-11 | STANDARD CONCRETE CRADLE & EASEMENT |
| S-12 | TRENCH EXCAVATION & BACKFILL FOR SEWERS |
| S-13 | INDUSTRIAL WASTE CONTROL MANHOLE |



POST WITH EYE HOOKS REQUIRED FOR CHAINING AND LOCKING THE CONSTRUCTION METER.

| REVISIONS | | | VALLECITOS WATER DISTRICT STANDARD DRAWING | DATE: 2-27-18 |
|-------------|----------|---------|--|---------------|
| DESCRIPTION | APPROVED | DATE | VALLECTIOS WATER DISTRICT STANDARD DRAWING | |
| NEW MAP | | 2-28-18 | | BY: P.C. |
| | | | CONSTRUCTION METER | Drawing No. |
| | | | ON A BLOW-OFF | TAT A |
| | | | ON M BEOW OII | |
| | | | | |





| ITEM | MATERIAL | ITEM | MATERIAL |
|------|--|------|---|
| 1 | SADDLE | 9 | COMBINATION AIR AND VACUUM VALVE |
| 2 | BALL CORP STOP | (10) | PVC THREADED STREET ELLS W/ BUG SCREEN |
| (3) | 1" TYPE K SOFT COPPER TUBING | (11) | ENCLOSURE PIPELINE PRODUCTS #VCAS-1424BL |
| 4 | COPPER x MIPT ADAPTER | (12) | 3000# FORGED STEEL HALF COUPLING (ON STEEL PIPE ONLY) |
| (5) | 1" BRASS 90° STREET ELL., MIPxFIP | (13) | DIELECTRIC INSULATING BUSHING (ON STEEL PIPE ONLY) |
| 6 | BALL VALVE W/ HANDLE, FIPxFIP | (14) | MECHANICAL GROUNDING CLAMP PER CURRENT VWD MAT. LIST |
| 7 | 1" X 18" BRASS NIPPLE, WRAPPED W/ 2" X 10 MIL TAPE | (15) | ZINC ANODE PER CURRENT VWD MATERIAL LIST |
| (8) | 1" X CLOSE BRASS NIPPLE | | |

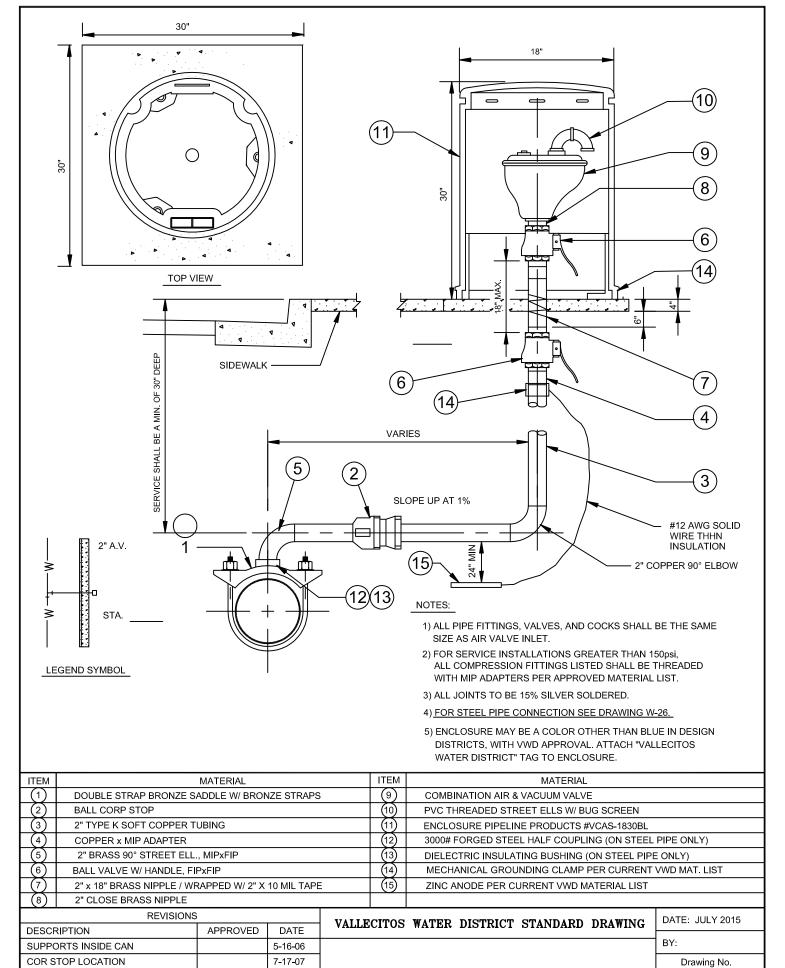
| REVISIONS | | | | | | |
|--------------------------|----------|---------|--|--|--|--|
| DESCRIPTION | APPROVED | DATE | | | | |
| SUPPORTS INSIDE CAN | | 5-16-08 | | | | |
| COPR STOP LOCATION | | 7-17-07 | | | | |
| ENCLOSURE | | 6-9-11 | | | | |
| SADDLE | | 3-5-12 | | | | |
| ADDED ZINC ANODE & CLAMP | | 3-27-17 | | | | |

VALLECITOS WATER DISTRICT STANDARD DRAWING

1" AUTOMATIC AIR & VACUUM VALVE

DATE: JULY 2015 BY:

Drawing No.



2" AUTOMATIC AIR & VACUUM VALVE

6-9-11

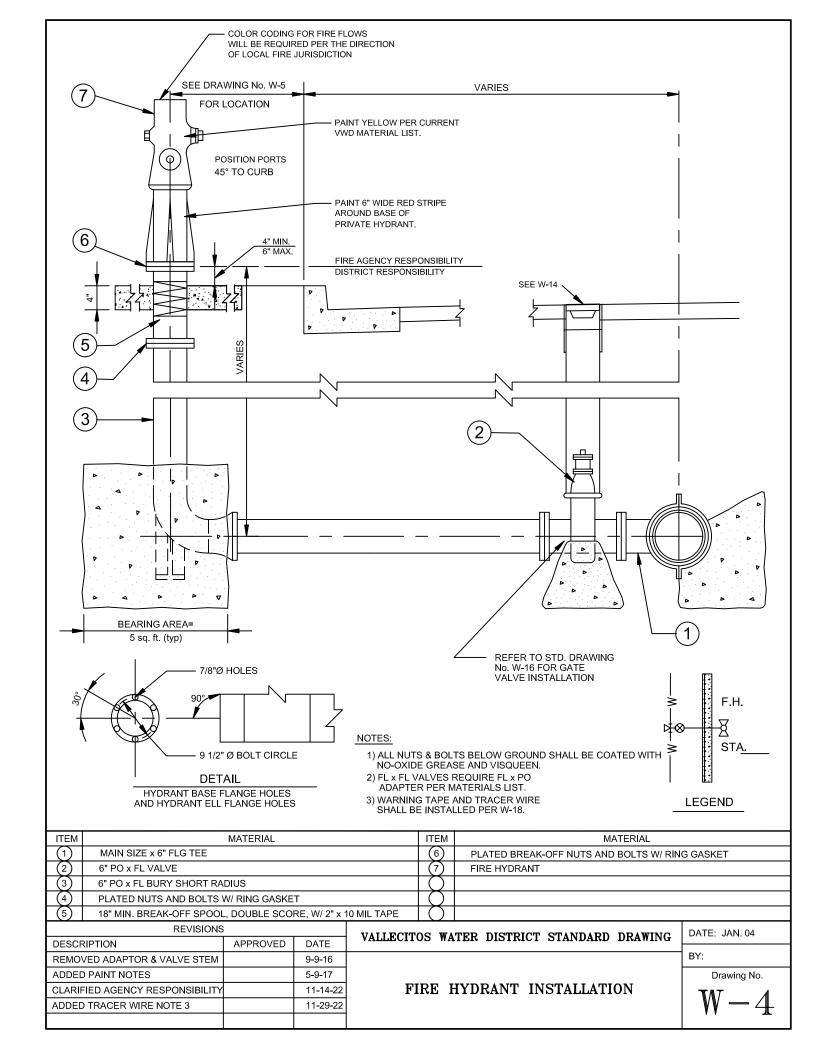
3-5-12

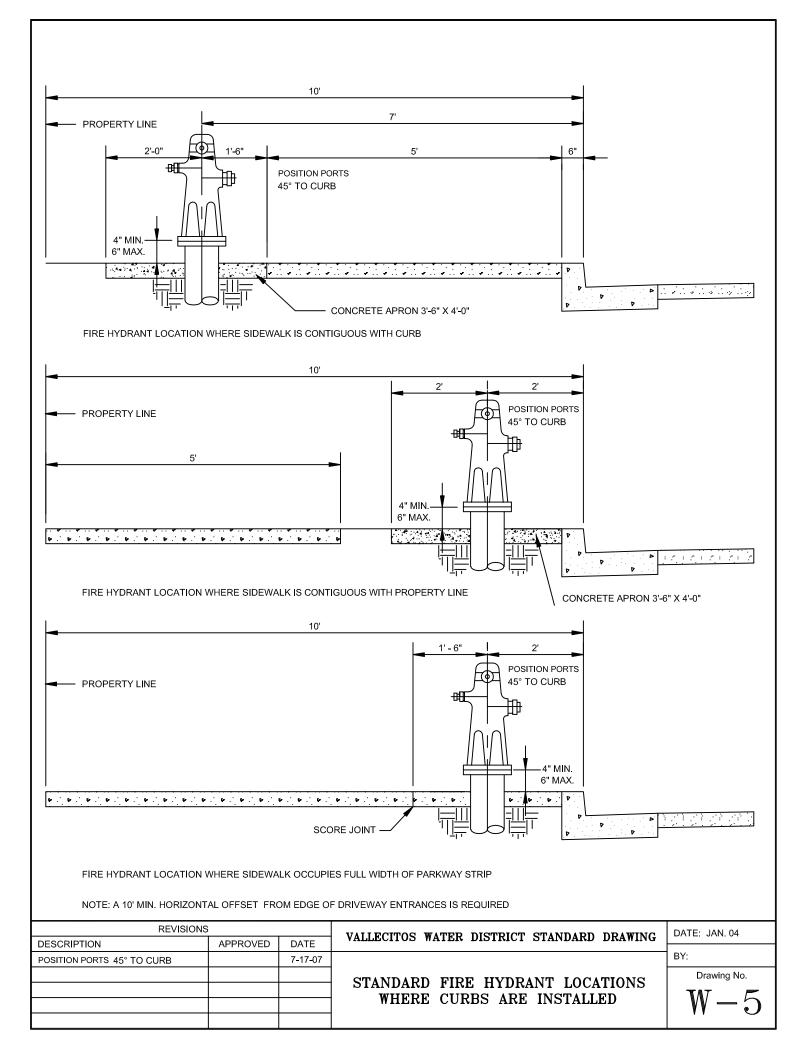
3-27-17

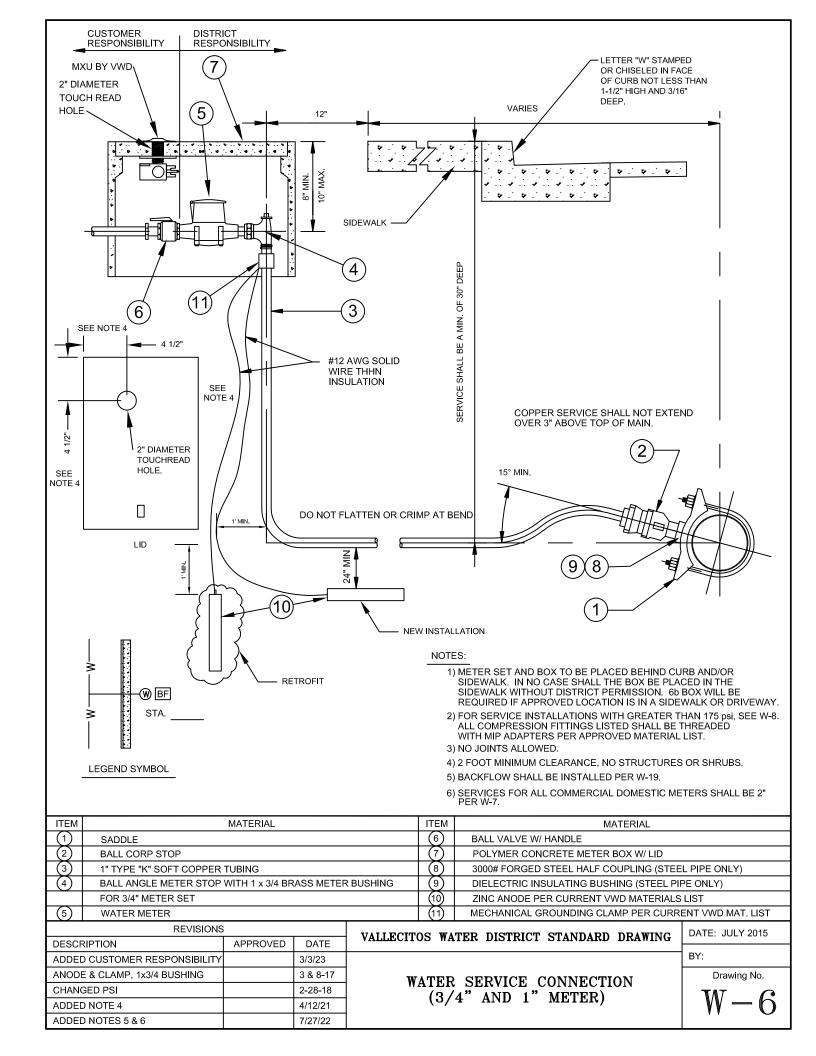
ENCLOSURE

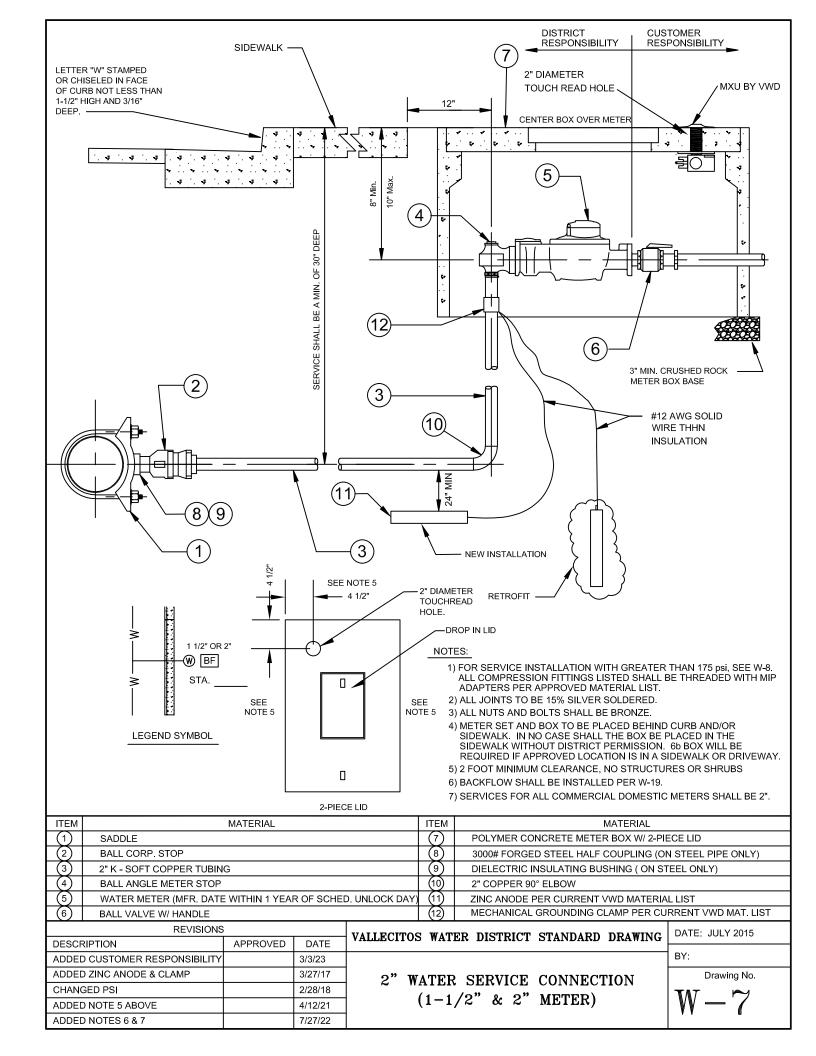
2" COPER 90° ELBOW

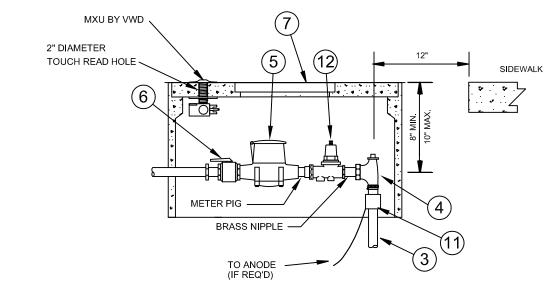
ADDED ZINC ANODE & CLAMP



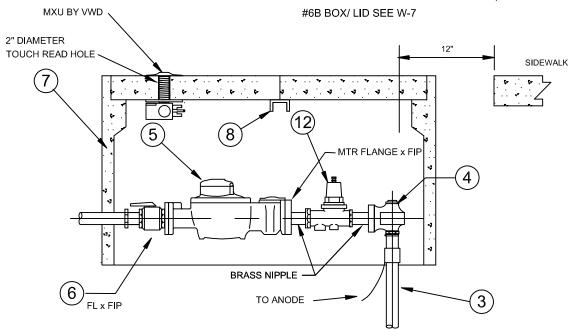


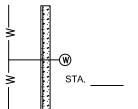






3/4" THROUGH 1" METER W/ REGULATOR,





LEGEND SYMBOL

11/2" & 2" METER W/ REGULATOR,

ARMORCAST A6001430PCX18 TWO - PIECE LID OR APPROVED EQUAL

NOTES:

- 1) METER SET AND BOX TO BE PLACED BEHIND CURB AND/OR SIDEWALK. IN NO CASE SHALL THE BOX BE PLACED IN THE SIDEWALK WITHOUT DISTRICT PERMISSION.
- 2) TO PROTECT THE DISTRICT METER, A PRESSURE REGULATOR IS REQUIRED FOR PRESSURES GREATER THAN 175 PSI.
- 3) NO JOINTS ALLOWED

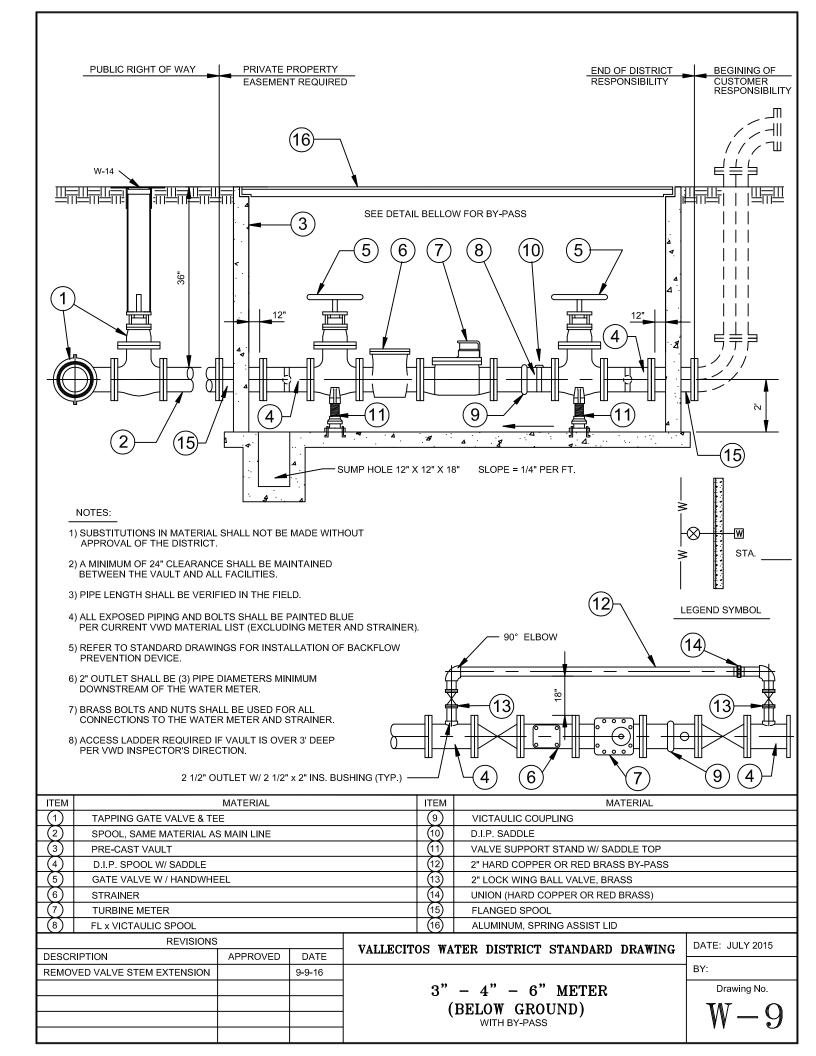
| ITEM | MATERIAL | ITEM | MATERIAL |
|------|---|------|--|
| 1 | SEE W - 6, W - 7 | 7 | POLYMER CONCRETE METER BOX W/ LID |
| 2 | SEE W - 6, W - 7 | (8) | STEEL SUPPORT BEAM |
| (3) | TYPE "K" SOFT COPPER TUBING, PER APP'D SIZE | 9 | |
| 4 | BALL ANGLE METER STOP FIP X FIP | (10) | |
| (5) | WATER METER | (1) | PIPE CLAMP W/ LUG, COVERED W/ DIELECTRIC COATING |
| (6) | BALL VALVE W/ HANDLE | (12) | PRESSURE REGULATOR, SAME SIZE AS METER |

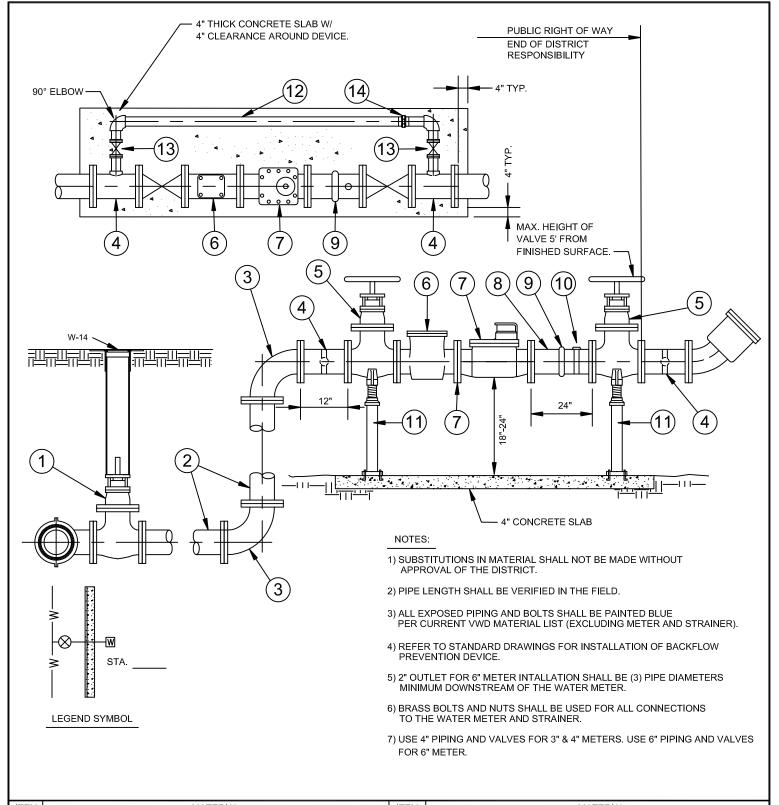
| REVISIONS | | | | | | |
|----------------------------|----------|---------|--|--|--|--|
| DESCRIPTION | APPROVED | DATE | | | | |
| POLYMER CONCRETE BOX/ LID | | 2-16-12 | | | | |
| ADDED 150 PSI TO TITLE | | 3-27-17 | | | | |
| CHANGED 150 PSI TO 175 PSI | | 2-27-18 | | | | |
| CHANGED ANGLE METER STOP | | 4-3-18 | | | | |
| | | | | | | |

VALLECITOS WATER DISTRICT STANDARD DRAWING

HIGH PRESSURE (175 PSI+) WATER METER CONNECTION (3/4" THROUGH 2" METERS) DATE: JULY 2015

Drawing No.

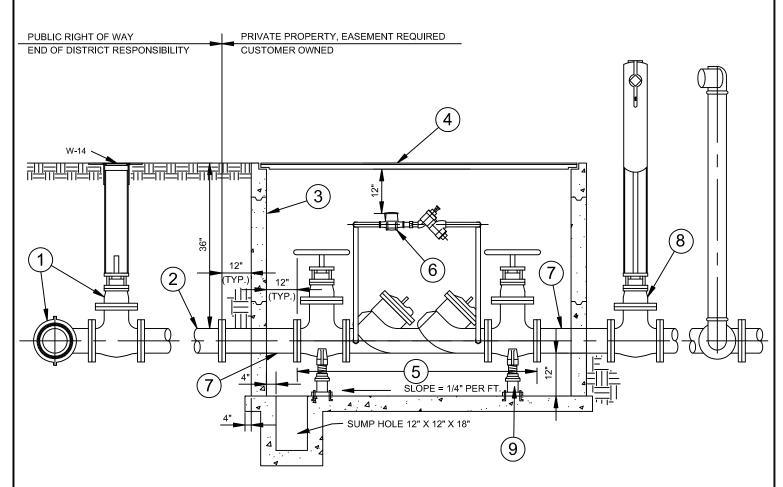




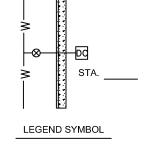
| ITEM | MATERIAL | | | | ITEM | MATERIAL |
|-------|-------------------------|-----------|------|-----------|-------------------------------|---|
| 1 | GATE VALVE | | | | | FL x VICTAULIC SPOOL |
| 2 | SPOOL, SAME MATERIAL AS | MAIN LINE | | | 9 | VICTAULIC COUPLING |
| (3) | FL. 90° ELBOW | | | | (10) | D.I.P. SADDLE |
| 4 | D.I.P. SPOOL W/ SADDLE | | | | 1 | VALVE SUPPORT STAND W/ SADDLE TOP |
| (5) | GATE VALVE W/ HANDWHEEL | | | | (12) | 2" HARD COPPER OR RED BRASS BY-PASS |
| 6 | STRAINER | | | | (13) | 2" LOCK WING BALL VALVE, BRASS |
| 7 | TURBINE METER | | | | (14) | UNION (HARD COPPER OR RED BRASS) |
| | REVISIONS | | | VALIE CIT | 76 1W/V | TER DISTRICT STANDARD DRAWING DATE: JULY 2015 |
| DESCR | RIPTION | APPROVED | DATE | VALLECII | TER DISTRICT STANDARD DRAWING | |
| | | | | | | BV. |

REMOVED VALVE RISER STEM & 3" - 4" - 6" METER REMOVED 45° ELBOW 9-9-16 (ABOVE GROUND) WITH BY-PASS

Drawing No.



- 1) SUBSTITUTIONS IN MATERIAL SHALL NOT BE MADE WITHOUT APPROVAL OF THE DISTRICT.
- 2) A MINIMUM OF 24" CLEARANCE SHALL BE MAINTAINED BETWEEN THE VAULT AND ALL FACILITIES.
- 3) PIPE LENGTH SHALL BE VERIFIED IN THE FIELD.
- 4) ALL EXPOSED PIPING AND BOLTS SHALL BE PAINTED BLUE PER CURRENT VWD MATERIAL LIST (EXCLUDING BY-PASS PLUMBING & METER)
- 5) BY-PASS METER SHALL BE RAISED TO WITHIN ONE FOOT OF THE VAULT LID.
- 6) ALL BY-PASS PLUMBING SHALL BE HARD COPPER OR RED BRASS AS SUPPLIED BY MANUFACTURER.
- 7) CONTACT THE FIRE PROTECTION DISTRICT FOR SPECIFICATIONS ON FIRE DEPARTMENT CONNECTION.
- 8) ACCESS LADDER REQUIRED FOR VAULTS OVER THREE FEET DEEP.
- 9) DCDA OR RPDA, PER STATE HEALTH DEPARTMENT APPROVED LIST, DEVICE TO DETERMINED BY TYPE OF HAZARD.
- 10) BYPASS METER BACKFLOW DEVICE SHALL BE AN INCLUDED COMPONENT OF DETECTOR CHECK ASSEMBLY.



| ITEM | MATERIAL | | ITEM | MATERIAL | |
|------|--|-----------|----------|---|--|
| 1 | TAPPING VALVE AND SADDLE | | 6 | BY-PASS METER W / BACKFLOW | |
| 2 | PIPE, SAME MATERIAL AS MAIN LINE | | 7 | FLANGED SPOOL , SAME MATERIAL AS MAIN LINE | |
| (3) | PRECAST VAULT | | 8 | VALVE & INDICATOR POST PER APPROPRIATE FIRE DIST. | |
| 4 | ALUMINUM, TWO PIECE SPRING ASSIST LID | | 9 | VALVE SUPPORT STAND W/ SADDLE TOP AND 3/8" S.S. "L" | |
| (5) | STATE APPROVED DETECTOR CHECK ASSEMBLY | | | ANCHOR BOLTS W/ WASHERS | |
| | REVISIONS | TALL DOIM | OC 187.4 | DATE: JULY 2015 | |

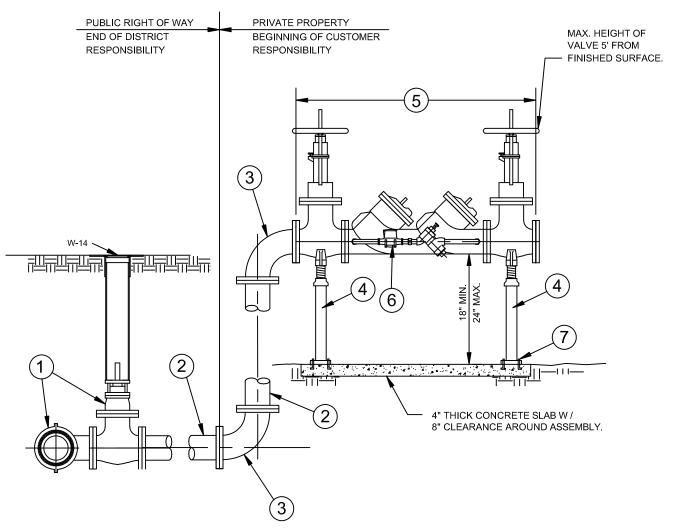
DESCRIPTION APPROVED DATE
REMOVED VALUE RISER STEM
P-9-16

DETECTOR CHECK ASSEMBLY
(BELOW GROUND)

DATE: JULY 2015

Drawing No.

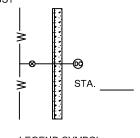
W - 12



- 1) SUBSTITUTIONS IN MATERIAL SHALL NOT BE MADE WITHOUT APPROVAL OF THE DISTRICT.
- 2) PIPE LENGTH SHALL BE VERIFIED IN THE FIELD.
- 3) ALL EXPOSED PIPING AND BOLTS SHALL BE PAINTED BLUE PER CURRENT VWD MATERIAL LIST (EXCLUDING BY-PASS PLUMBING)
- 4) ALL BY-PASS PLUMBING SHALL BE HARD COPPER OR RED BRASS AS SUPPLIED BY MANUFACTURER.
- 5) CONTACT THE APPROPRIATE FIRE PROTECTION DISTRICT FOR SPECIFICATIONS ON FIRE DEPARTMENT CONNECTION.
- 6) DCDA OR RPDA, PER STATE HEALTH DEPARTMENT APPROVED LIST, DEVICE TO DETERMINED BY TYPE OF HAZARD.
- 7) BYPASS METER BACKFLOW DEVICE SHALL BE AN INCLUDED COMPONENT OF DETECTOR CHECK ASSEMBLY.

UPGRADES:

- 1) RE-CONNECTION TO BE MADE ON STRUCTUALLY SOLID EXISTING PIPE MATERIAL (PER VWD INSPECTOR)
- 2) ANY VALVES LOCATED BETWEEN THE DISTRICT VALVE AND PUBLIC RIGHT OF WAY TO BE REMOVED.
- 3) EXISTING FIRE SERVICES LOCATED IN VAULTS MUST BE RELOCATED ABOVE GROUND. VAULT LID AND SIDE WALLS TO BE REMOVED.



LEGEND SYMBOL

| ITEM | MATERIAL | ITEM | MATERIAL |
|------|--|------|---------------------------------------|
| 1 | TAPPING SLEEVE W/ GATE VALVE & TEE | 6 | BY-PASS METER W/ BACKFLOW |
| 2 | SPOOL, SAME MATERIAL AS MAIN LINE | 7 | 3/8" S.S. "L" ANCHOR BOLTS W/ WASHERS |
| 3 | FL. 90° ELBOW | | |
| 4 | VALVE SUPPORT STAND W/ SADDLE TOP | | |
| (5) | STATE APPROVED DETECTOR CHECK ASSEMBLY | | |

| REVISIONS | | | | | | |
|----------------------------|----------|----------|--|--|--|--|
| DESCRIPTION | APPROVED | DATE | | | | |
| REMOVED VALVE RISER STEM & | | | | | | |
| REMOVED 45° ELBOW | | 9-9-16 | | | | |
| ADDED UPGRADE NOTES | | 10-21-19 | | | | |
| | | | | | | |

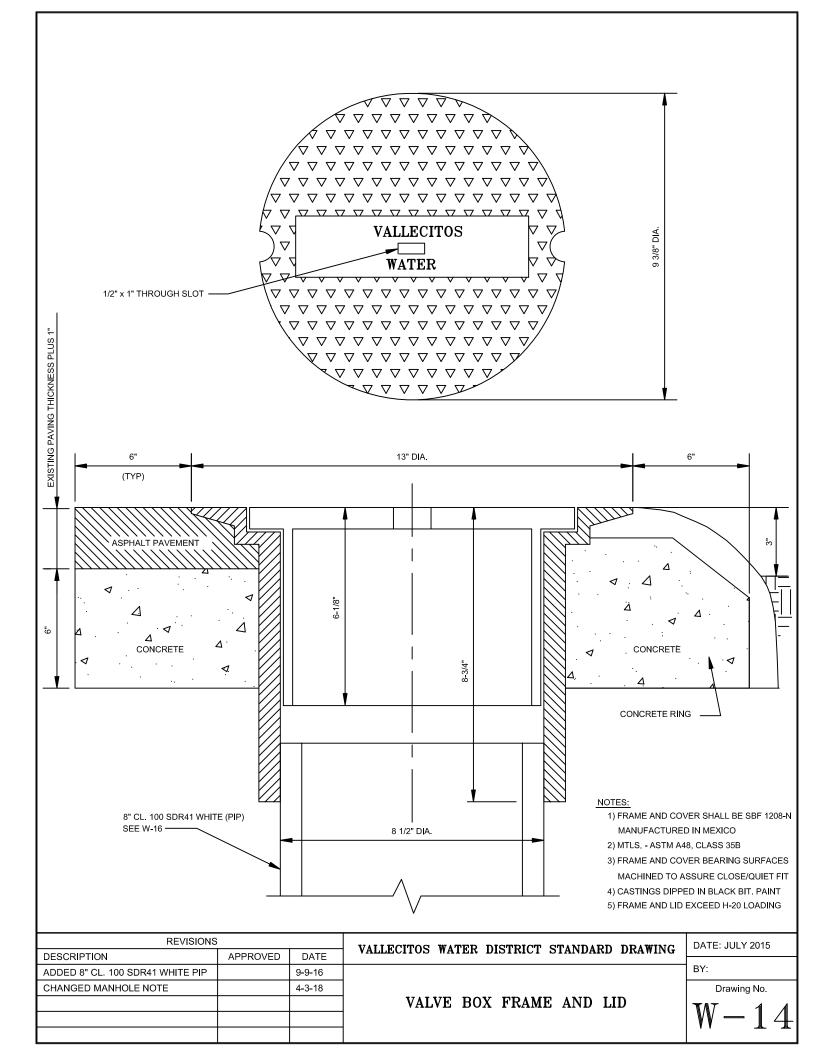
VALLECITOS WATER DISTRICT STANDARD DRAWING

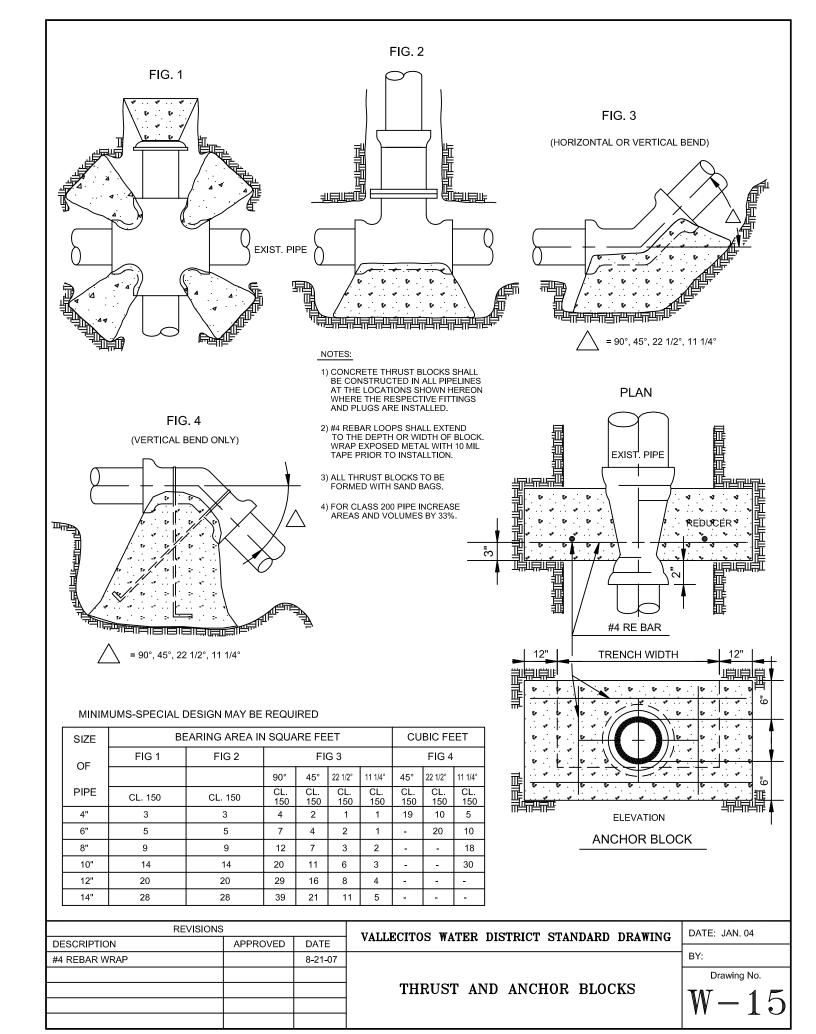
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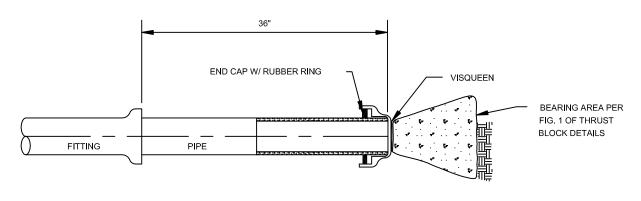
DETECTOR CHECK ASSEMBLY (ABOVE GROUND)

M -13

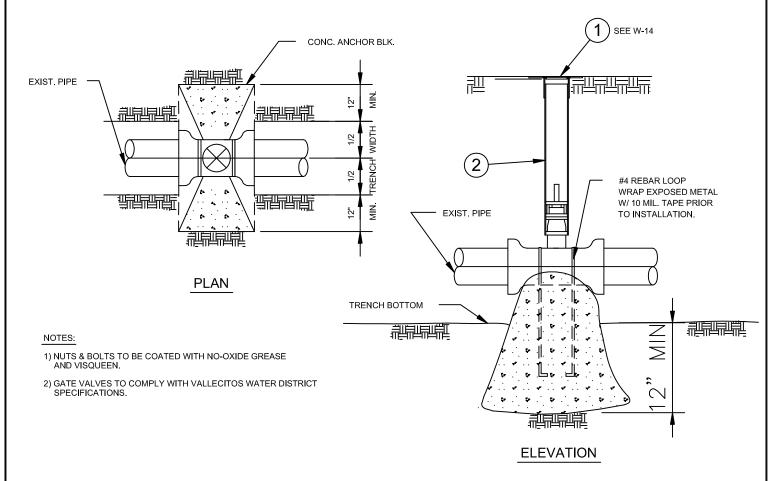
DATE: JULY 2015



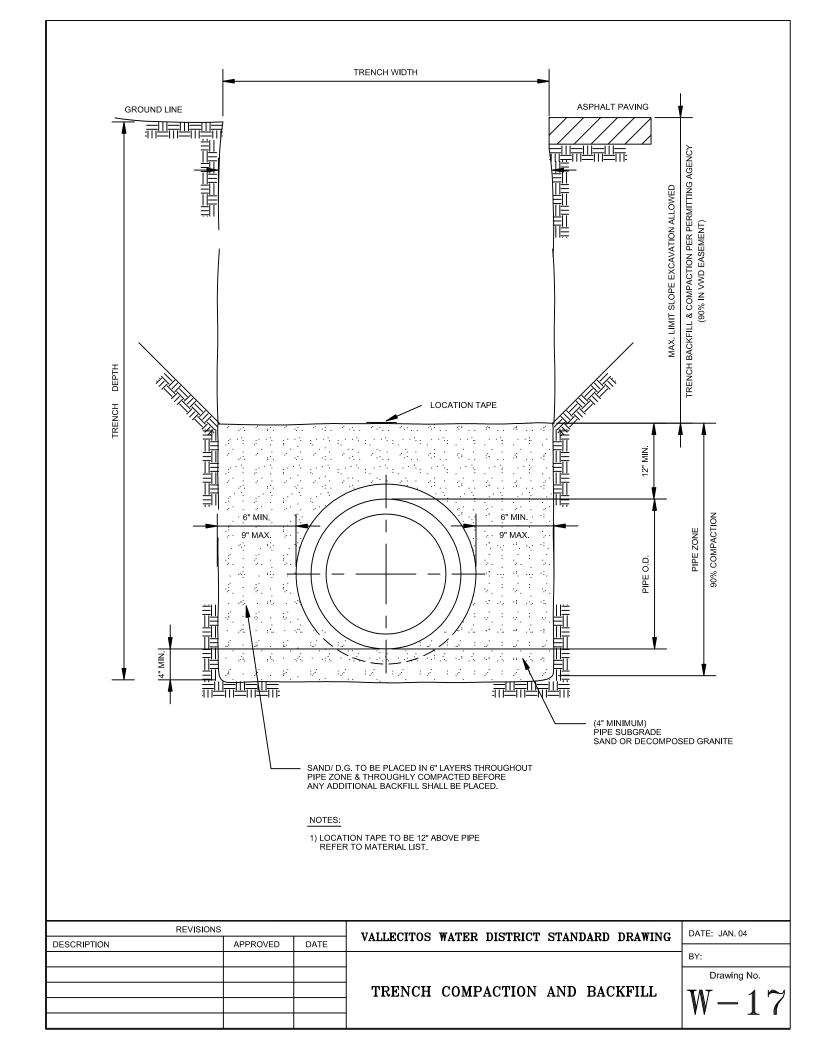


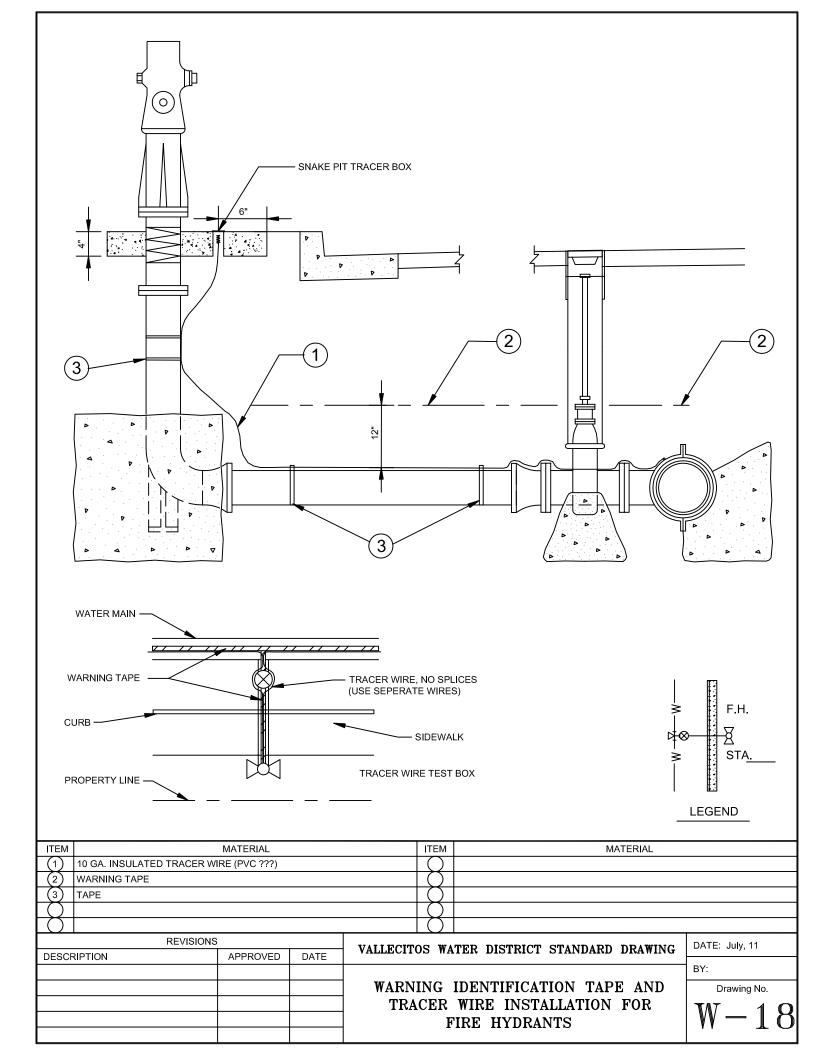


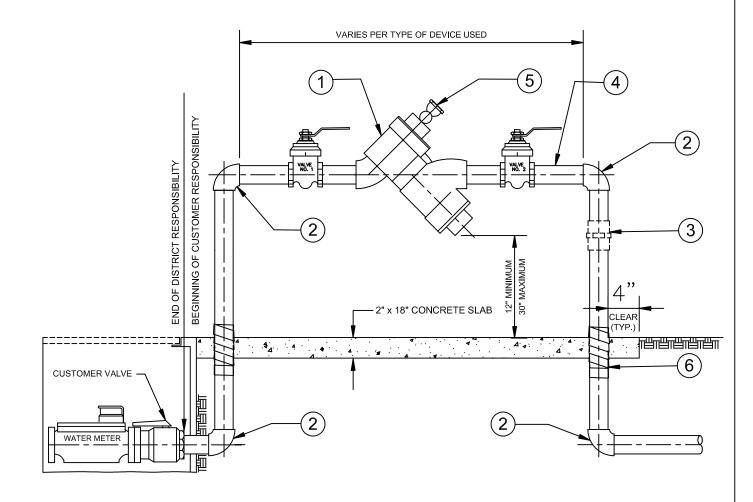
END CAP ASSEMBLY



| ITEM | MATERIAL | | | | ITEM | MATERIAL | |
|-------|-----------------------------|----------|--------|-----------|-------|-------------------------------|-----------------|
| 1 | VALVE BOX AND COVER | | | | | | |
| (2) | 8" CL. 100 SDR41-WHITE (PIF | P) | | | | | |
| | REVISIONS | | | WALL DOIT | UG MY | TER DISTRICT STANDARD DRAWING | DATE: JULY 2015 |
| DESCR | PTION | APPROVED | DATE | VALLECII | US WA | TER DISTRICT STANDARD DRAWING | |
| REMO\ | /ED VALVE RISER STEM | | 9-9-16 | | | | BY: |
| | | | | _ | יאידי | VALVE INSTALLATION | Drawing No. |
| | | | | | AN | TAT 10 | |
| | | | | | | | |
| | | | | | | | |





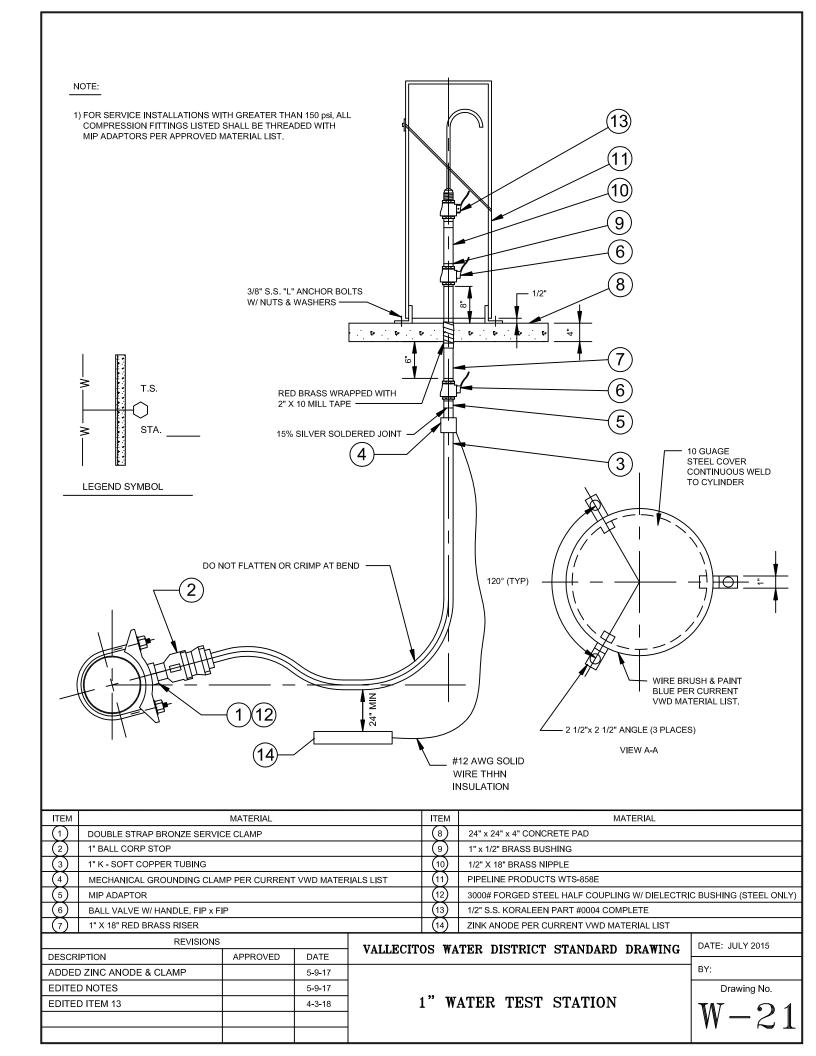


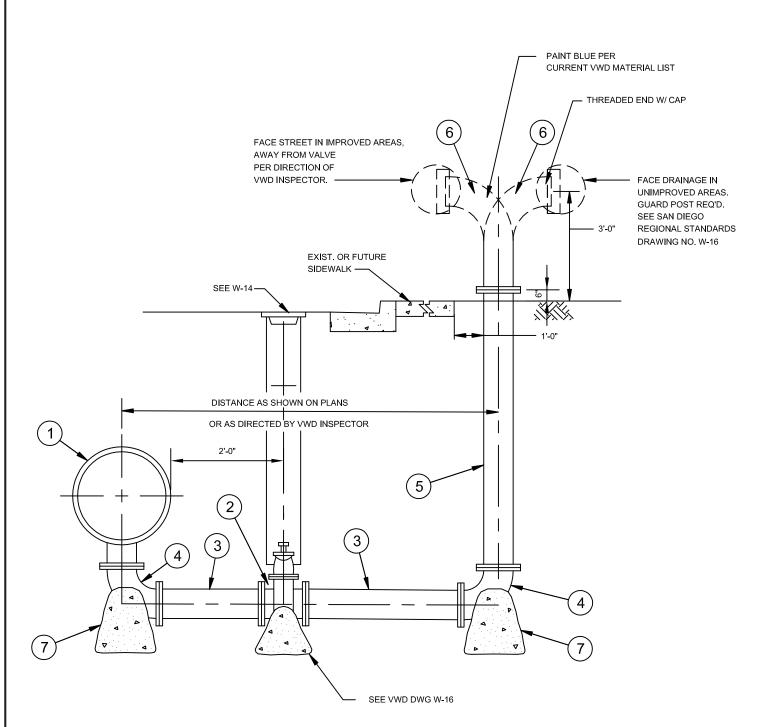
- 1) ALL INSTALLATIONS SHALL BE ABOVE GROUND. THE BACK FLOW DEVICE SHALL BE NO MORE THAN 1/2" GREATER THAN THE METER SIZE.
- 2) ALL BACKFLOW PREVENTION DEVICES SHALL BE AS CLOSE TO THE WATER METER AS POSSIBLE. IF BACKFLOW CANNOT BE INSTALLED DIRECTLY BEHIND METER, THE SERVICE BETWEEN THE METER & BACKFLOW SHALL HAVE A 3-4" PIPE SLEEVE ENCASED IN CONCRETE.
- 3) THE BACKFLOW PREVENTION DEVICE SHALL BE SELECTED FROM APPROVED STATE OF CALIFORNIA-DEPARTMENT OF HEALTH SERVICES LIST ON FILE WITH THE DISTRICT.
- 4) NO CONNECTIONS SHALL BE MADE BETWEEN THE WATER METER AND THE BACKFLOW PREVENTION DEVICE.
- 5) TYPE OF BACKFLOW PREVENTION DEVICE SHALL BE BASED ON THE DEGREE OF HAZARD.

- 6) APPROPRIATE TEST COCKS SHALL BE IN PLACE AT ALL TIMES.
- 7) DISTRICT SHALL HAVE ACCESS TO BACKFLOW PREVENTION DEVICE AT ALL TIMES.
- 8) CONCRETE PAD SHALL BE A MINIMUM OF 18" WIDE.
- 9) REFER TO STANDARD DRAWINGS FOR INSTALLATION OF WATER METER AND SERVICE.
- PIPING MATERIAL SHALL BE RED BRASS, OR "K", OR "L", COPPER PIPING.
- 11) ALTHOUGH THE DISTRICT REQUIRES THE USE OF RED BRASS OR RIGID COPPER PIPING, AGRICULTURAL SERVICES, IN NON-TRAFFIC AREAS, MAY USE SCHEDULE 80 UV RESISTANT PVC PIPING MATERIALS WITH PRIOR APPROVAL OF THE DISTRICT.

| ITEM | MATERIAL | ITEM | MATERIAL |
|------|--|------|--|
| 1 | BACKFLOW PREVENTION DEVICE | 4 | NIPPLE, VARIES IN LENGTH |
| 2 | 90° ELBOW | (5) | TEST COCK (4 REQUIRED) |
| (3) | THREADED UNION RECOMMENDED, BUT NOT REQUIRED | 6 | RED BRASS OR RIGID COPPER WRAPPED W / 2" X 10 MIL TAPE |
| | (FOR REMOVAL AND REPAIR OF DEVICE) | | |

| (FOR REMOVAL AND REPA | IR OF DEVICE) | | | | | |
|-----------------------------|---------------|---------|----------|--------|-------------------------------|-----------------|
| REVISIONS | | | VALIECTE | OG WA | TER DISTRICT STANDARD DRAWING | DATE: JULY 2015 |
| DESCRIPTION | APPROVED | DATE | VALLECTI | US IIA | IER DISTRICT STANDARD DRAWING | |
| EDITED NOTE 1 | | 5-9-17 | | | | BY: |
| MODIFIED SLAB REMOVED UNION | | 8-24-22 | D.A.G | IZDI C | W DDBWENDION DBWGD | Drawing No. |
| | | | BAC | | W PREVENTION DEVICE | TAT 1 |
| | | | | 2 | " AND SMALLER | |
| | | | 1 | | | ' |





1) PIPE MATERIAL SHALL BE SAME AS MAIN.

| ITEM | MATERIAL | ITEM | MATERIAL |
|------|-----------------------------|------|---------------------------------|
| (1) | WATER MAIN W/ FLG'D OUTLET. | 5 | RISER, FL x FL. |
| (2) | GATE VALVE, FLG'D. | 6 | 90° ELBOW W/ MIP THREADS & CAP |
| (3) | PIPE SPOOL PIECE, FL x FL. | 7 | THRUST BLOCK, PER VWD DWG W-15. |
| 4 | 90 DEGREE FL. ELBOW | | |
| | | | |
| | | | |

REVISIONS

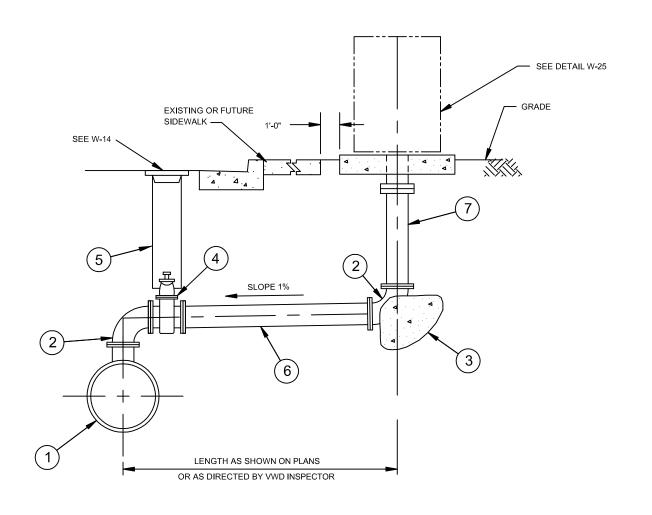
DESCRIPTION
REMOVED VALUE RISER STEM

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Perconstructi

DATE: JULY 2015

Daniel de Mi

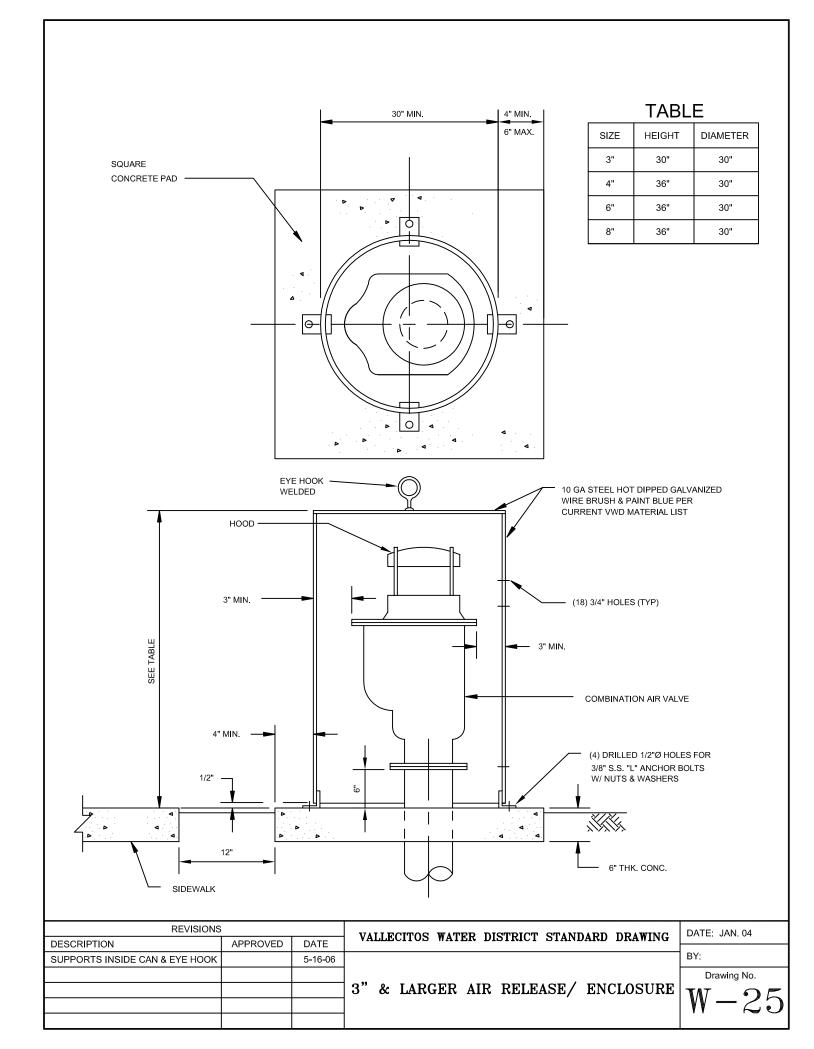
Drawing No.



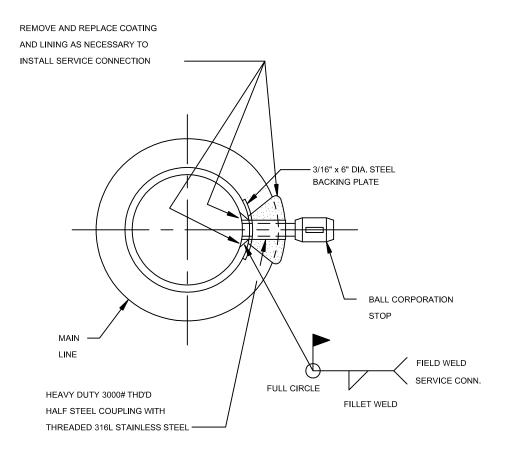
1) PIPE MATERIAL SHALL BE SAME AS MAIN.

| ITEM | MATERIAL | | MATERIAL |
|------|---------------------------------|-----|----------------------------|
| (1) | WATER MAIN W/ FLG'D OUTLET. | (5) | 8" CL 100, SDR41 WHITE |
| (2) | 90° BEND, FLG'D | 6 | PIPE SPOOL PIECE, FL x FL. |
| (3) | THRUST BLOCK, PER VWD DWG W-15. | 7 | PIPE RISER, FL x FL. |
| (4) | GATE VALVE, FLG'D | | |

| GATE VALVE, FLGD | | | | |
|--------------------------|----------|--------|--|---------------------------------------|
| REVISIONS | | | VALLECITOS WATER DISTRICT STANDARD DRAWING | DATE: JULY 2015 |
| DESCRIPTION | APPROVED | DATE | VALLECTIOS WATER DISTRICT STANDARD DRAWING | |
| REMOVED VALVE RISER STEM | | 9-9-16 | | BY: |
| | | | | Drawing No. |
| | | | 3" AND LARGER AIR RELEASE ASSEMBLY | |
| | | | | W — 24 |
| | | | | ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' |



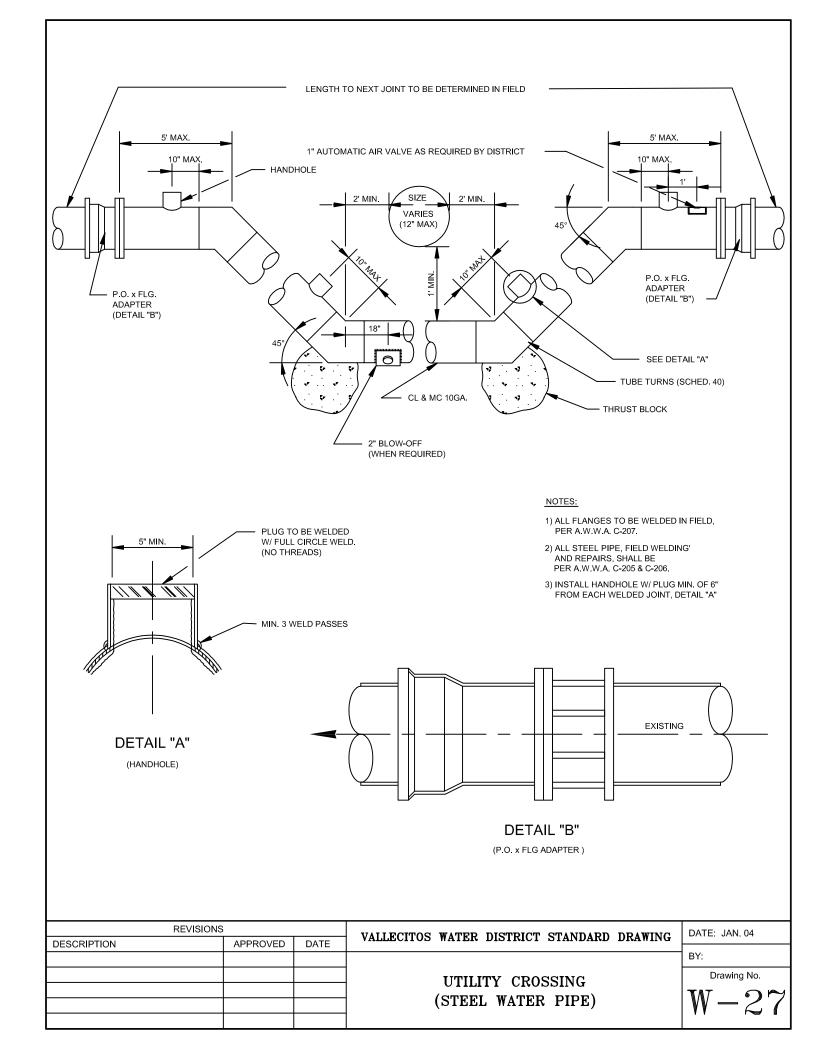


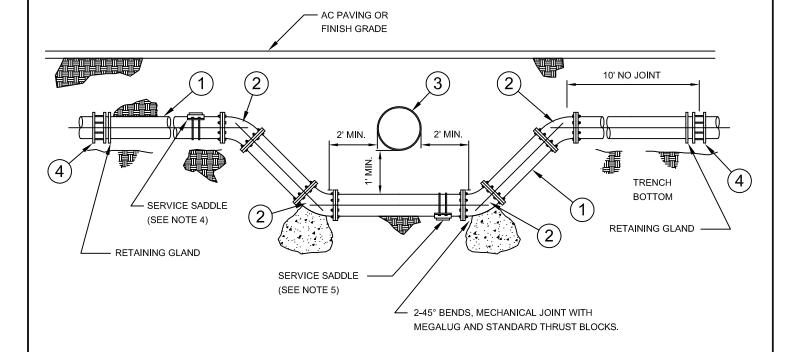


| REVISIONS | | | VALIDATEO WATER DISTRICT STANDARD DOAWING |
|--------------------------|----------|---------|--|
| DESCRIPTION | APPROVED | DATE | VALLECITOS WATER DISTRICT STANDARD DRAWING |
| OPERATOR LOCATION | | 7-24-07 | |
| COUPLING AND STEEL PLATE | | 3-28-17 | |
| | | | SERVICE CONNECTION FOR STEEL PIPE |
| | | | |
| | | | |

DATE: JAN. 04

Drawing No.

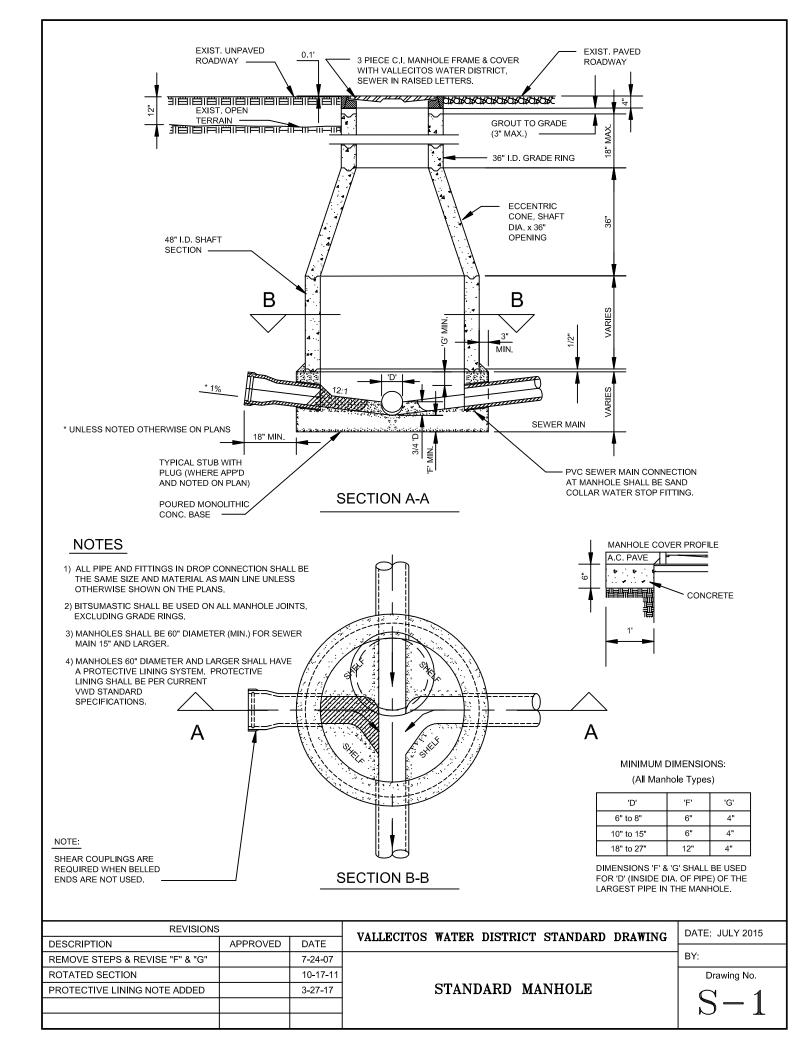


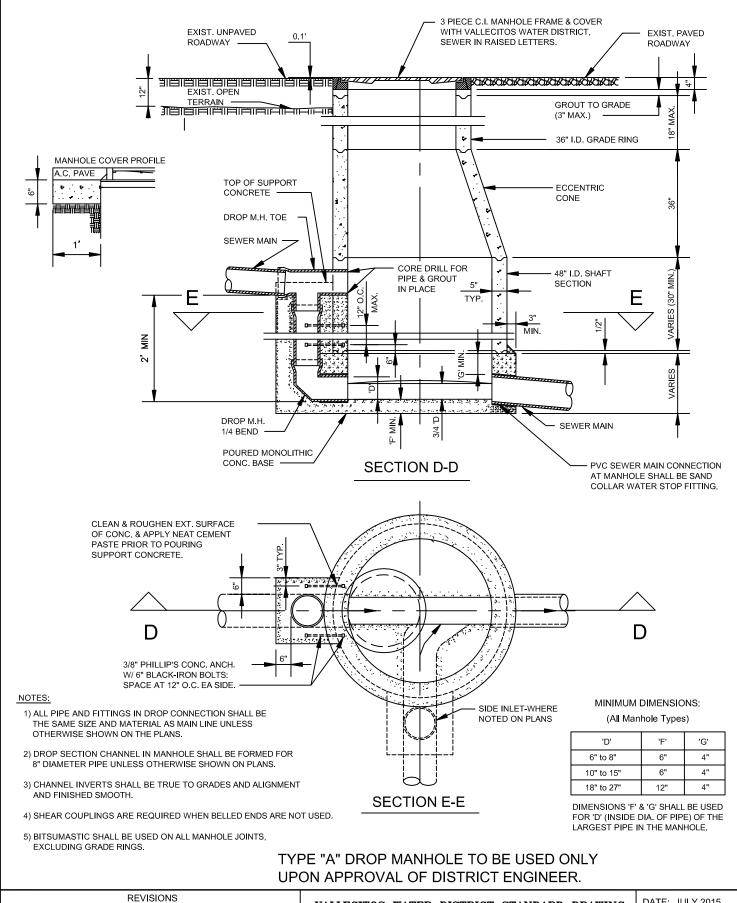


- 1) ALL PIPE JOINTS AT 45-DEGREE BENDS SHALL BE RESTRAINED
- 2) THE THRUST AND ANCHOR BLOCKS SHALL BE PER VWD STD. DWG. W-15.
- 3) DIP INSTALLATION SHALL BE DOUBLE ENCASED POLYETHYLENE WRAPPING PER VWD STANDARDS SECTION 15056 PART 3 C4
- 4) AN AUTOMATIC AIR AND VACUUM VALVE SHALL BE INSTALLED ON THE HIGH POINT OF THE OFFSET AS SPECIFIED ON THE PLAN OR DIRECTED BY VWD INSPECTOR.
- 5) A BLOW OFF MAY BE REQUIRED AT THE LOW POINT OF THE OFFSET AS SPECIFIED ON THE PLAN OR DIRECTED BY VWD INSPECTOR.
- 6) IF BOTTOM LENGTH EXCEEDS 18 FEET, CONNECT PIPE SECTIONS WITH MECHANICAL JOINT RETAINING GLAND.

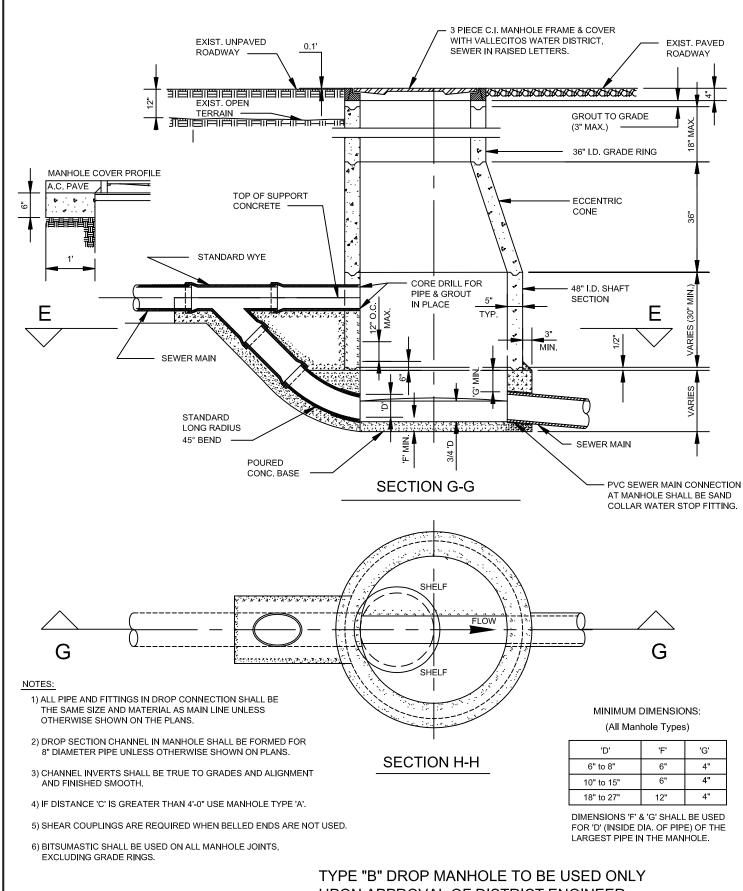
| ITEM | MATERIAL | | | MATERIAL | | |
|------|--------------------------------------|----------|--|--|-----------------|--|
| 1 | PER DISTRICT ENGINEER | | | UTILITY CONDUIT | | |
| 2 | 45° BEND MECHANICAL JOINT RESTRAINED | | | TRANSITION COUPLING PER DISTRICT INSPECTOR | | |
| | | | | | | |
| | REVISIONS | VALIECTE | | TER DISTRICT STANDARD DRAWING | DATE: JULY 2015 | |

| DESCRIPTION | APPROVED | DATE | VALLECTIOS WATER DISTRICT STANDARD DRAWING | |
|------------------|----------|--------|--|-------------|
| DESCRIPTION | AFFROVED | DAIL | | |
| CHANGES TO NOTES | | 4-3-18 | | BY: |
| | | | UTILITY CROSSING | Dr |
| | | | (PCV C-900) | TAT. |
| | | | , | ₩₩ • |
| | | | (DUCTILE IRON PIPE) | ' ' |



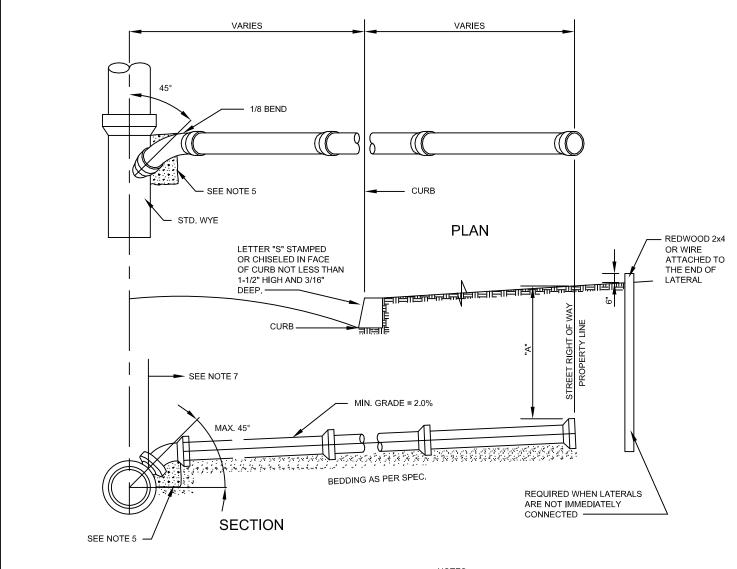


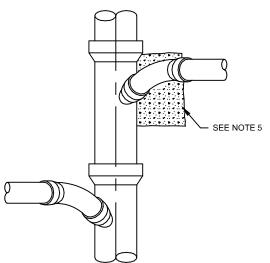
| REVISIONS | | | VALLECITOS WATER DISTRICT STANDARD DRAWING | DATE: JULY 2015 |
|---------------------------------|----------|----------|--|-----------------|
| DESCRIPTION | APPROVED | DATE | VALLECTIOS WATER DISTRICT STANDARD DRAWING | |
| REMOVE STEPS & REVISE "F" & "G" | | 7-24-07 | | BY: |
| ROTATED SECTION | | 10-27-11 | | Drawing No. |
| ADDED APPROVAL NOTE | | 3-27-17 | DROP MANHOLE TYPE "A" | |
| | | | | |
| | | | | , , |



UPON APPROVAL OF DISTRICT ENGINEER.

| REVISIONS | | | VALLECITOS WATER DISTRICT STANDARD DRAWING | DATE: JAN. 04 |
|---------------------------------|----------|----------|--|---------------|
| DESCRIPTION | APPROVED | DATE | VALLECTIOS WATER DISTRICT STANDARD DRAWING | |
| REMOVE STEPS & REVISE "F" & "G" | | 7-24-07 | | BY: |
| ROTATED SECTION | | 10-27-11 | | Drawing No. |
| | | | DROP MANHOLE TYPE "B" | |
| | | | | |
| | | | | ' |





- 1) FINAL APPROVAL WILL NOT BE GRANTED UNLESS THE LETTER "S" IS STAMPED ON CURB AS NOTED ABOVE, AT CORRECT STATION.
- 2) FINAL APPROVAL WILL NOT BE GRANTED UNLESS THE SEWER LATERALS COMPLY FULLY WITH THIS DRAWING.
- 3) ALL LATERALS MUST HAVE STATION AND INVERT ELEV. AT PROPERTY LINE NOTED ON "AS-BUILT" DRAWING. OR FINAL APPROVAL WILL NOT BE GRANTED.
- 4) PROPERTY LINE CLEAN OUTS WILL BE REQUIRED ON ALL LATERALS IF WATER IS NOT SERVED BY THE VWD.
- 5) CONCRETE SUPPORT OF SEWER LATERALS, REQUIRED ON HOT TAPS ONLY.
- 6) "A" DIMEN. SHALL BE 5-Ft. UNLESS NOTED OTHERWISE ON THE PLANS. FOR LATERALS WHERE COVER IS LESS THAN 4-Ft. CONC. ENCASEMENT WILL BE USE.
- 7) OPERATION AND MAINTENANCE OF THE SEWER LATERAL IS THE SOLE RESPONSIBILITY OF THE PROPERTY OWNER.

| REVISIONS | | | | | |
|------------------|----------|---------|--|--|--|
| DESCRIPTION | APPROVED | DATE | | | |
| ADDED MIN. GRADE | | 1/30/17 | | | |
| ADDED NOTE 7 | | 3/2/23 | | | |
| | | | | | |
| | | | | | |
| | | | | | |

VALLECITOS WATER DISTRICT STANDARD DRAWING

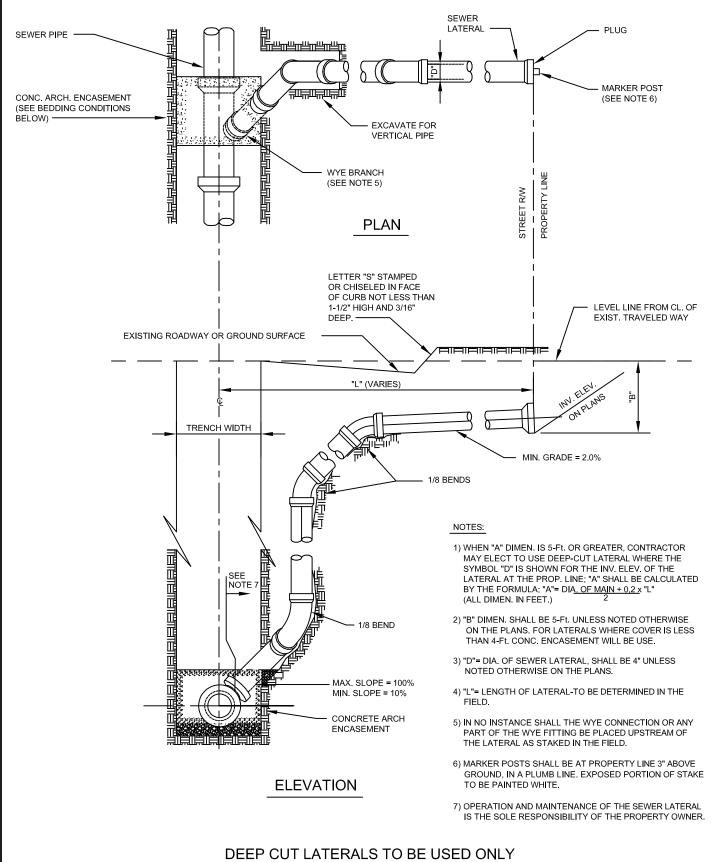
BY:

Drawing No.

DATE: JULY 2015

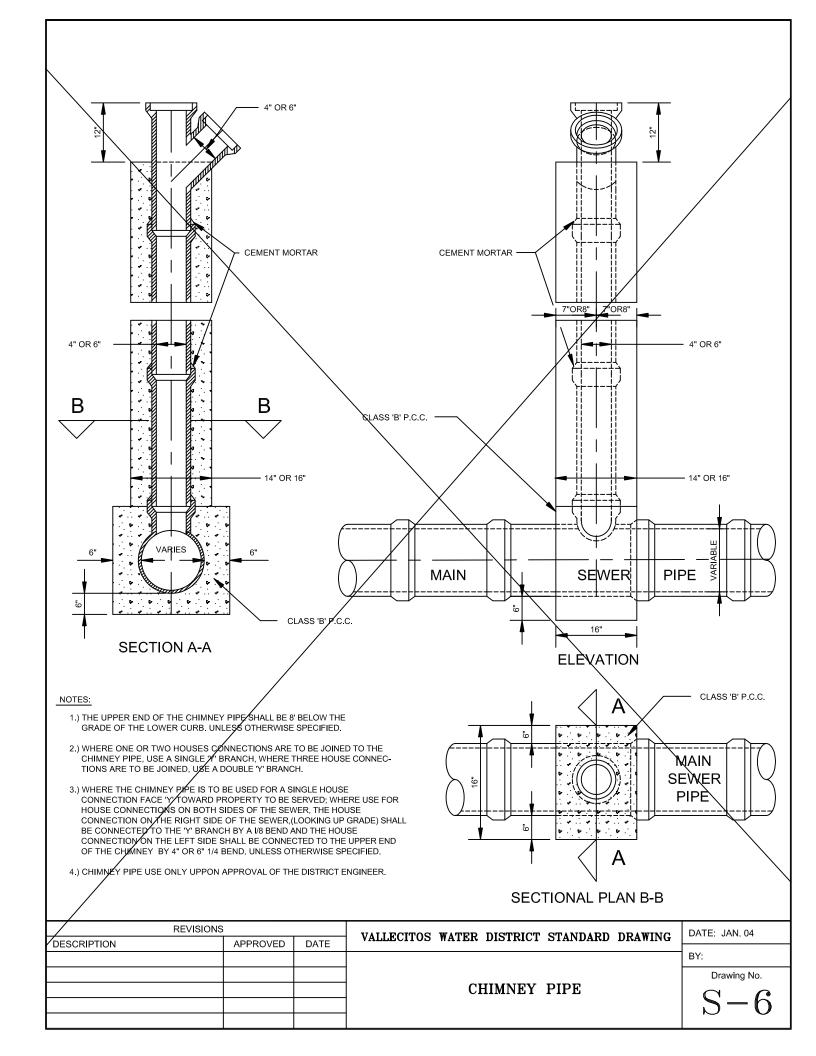
S-

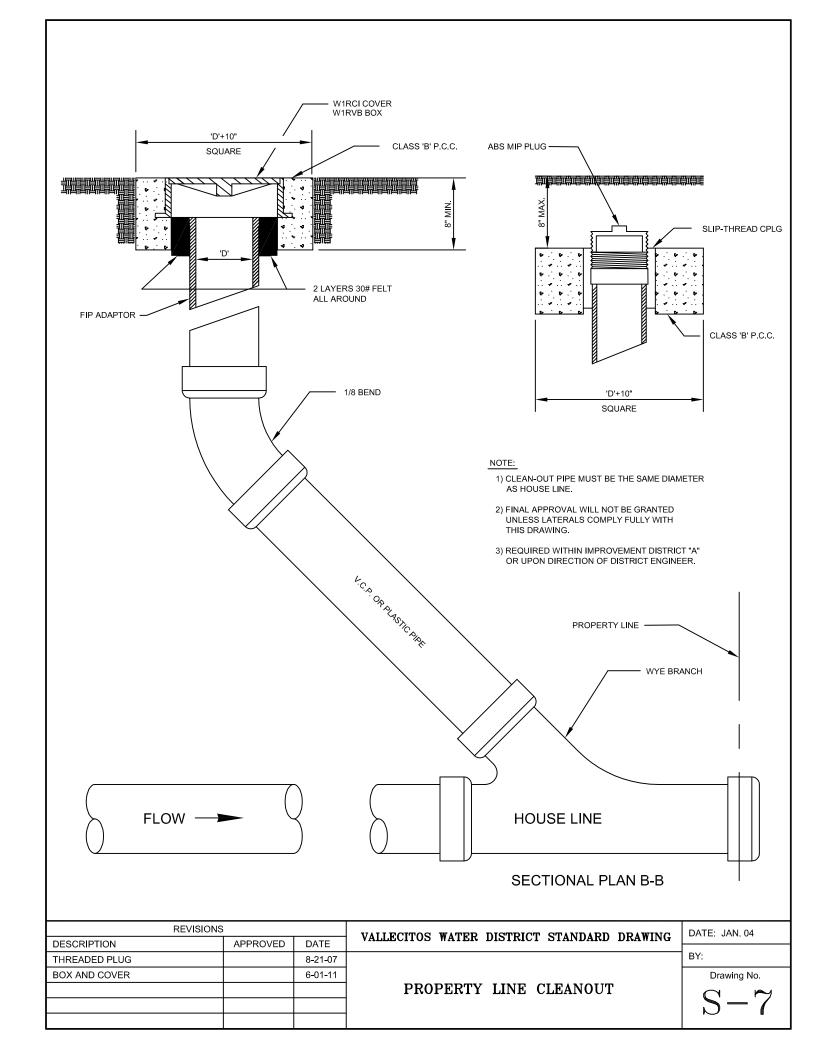
STANDARD LATERAL FOR SEWER

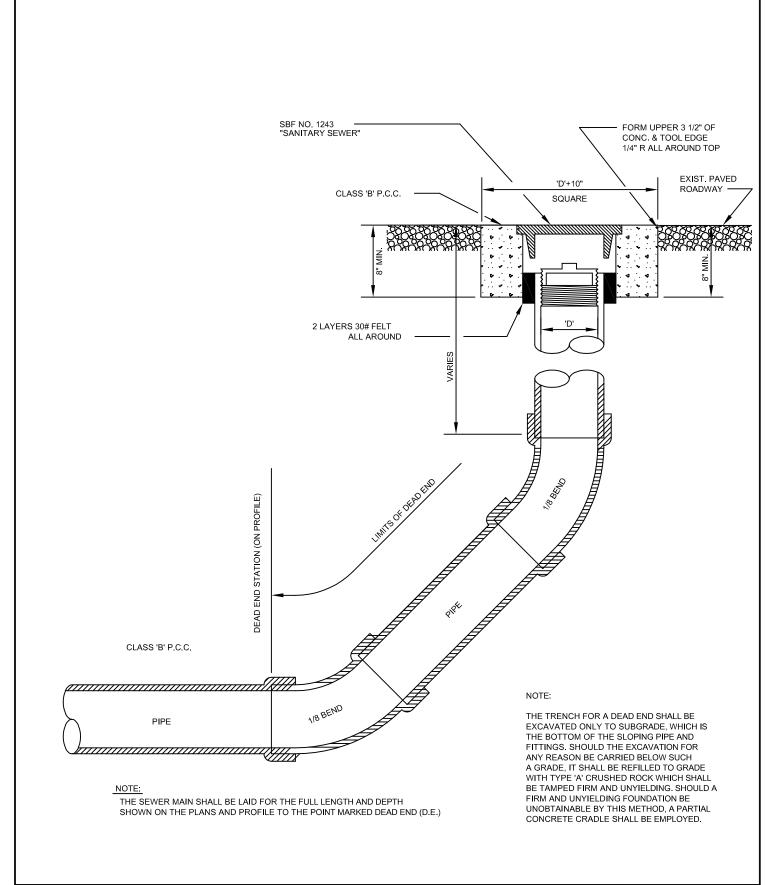


UPON APPROVAL OF DISTRICT ENGINEER.

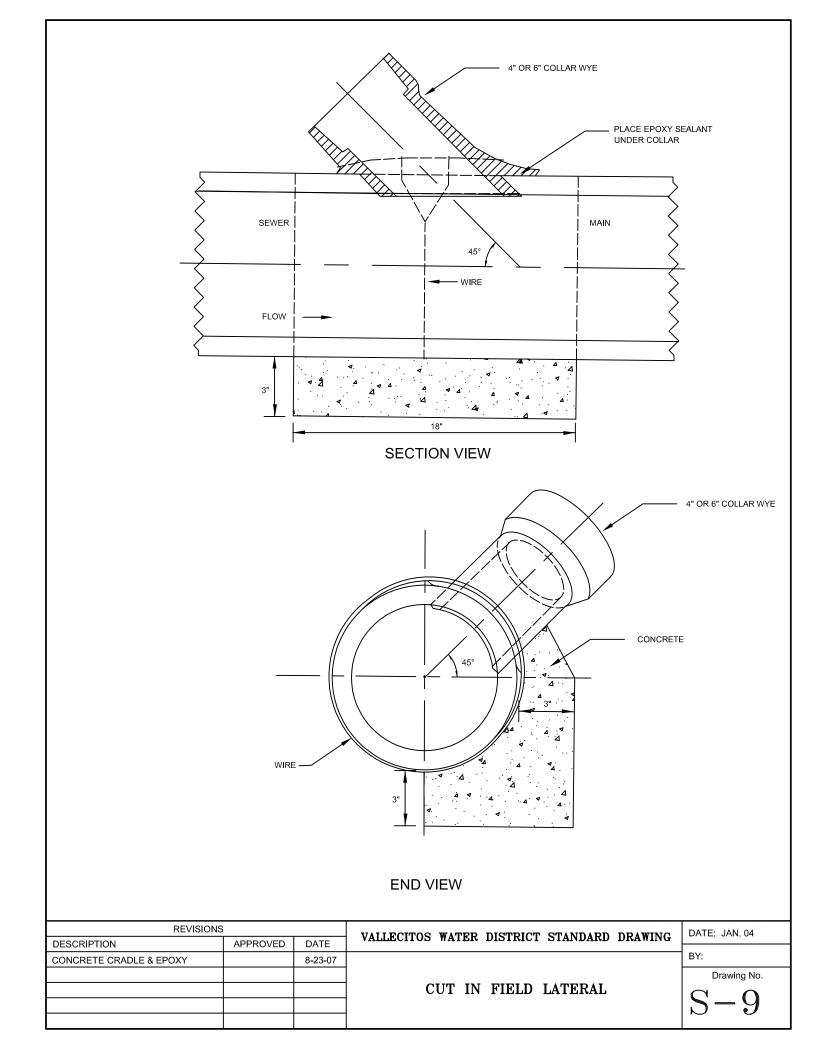
| REVISIONS | | | VALLECITOS WATER DISTRICT STANDARD DRAWING | DATE: JULY 2015 |
|--------------|----------|--------|--|-----------------|
| DESCRIPTION | APPROVED | DATE | VALLECTION WATER DISTRICT STANDARD DRAWING | |
| ADDED NOTE 7 | | 3/2/23 | | BY: |
| | | | | Drawing No. |
| | | | DEEP-CUT LATERAL CONNECTION | |
| | | | | |
| | | | | . |

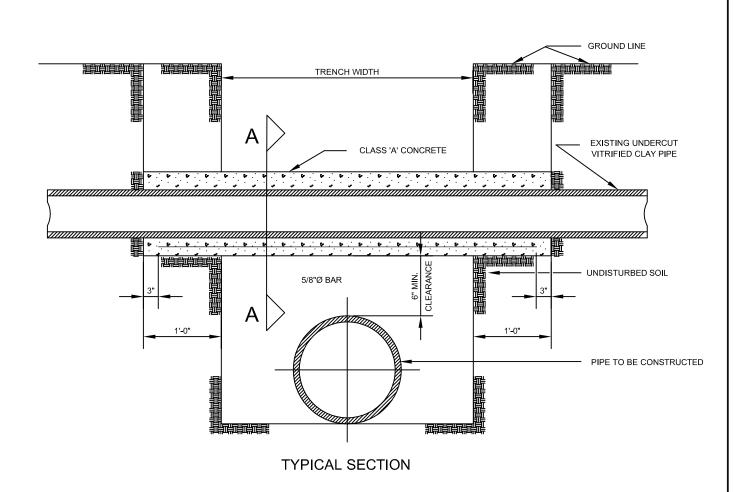


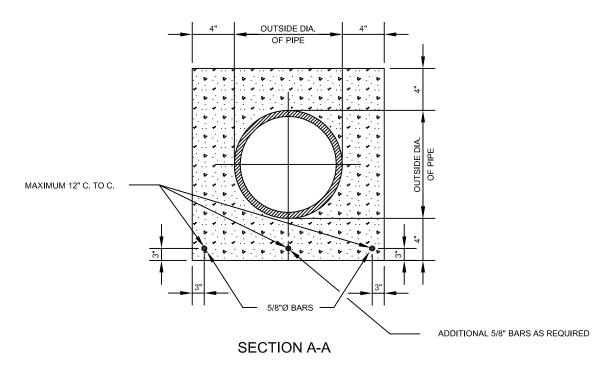




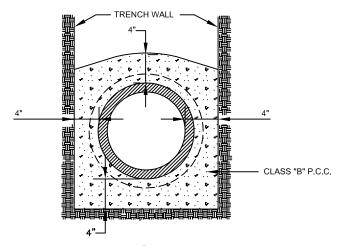
| RE\ | /ISIONS | | VALLECITOS WATER DISTRICT STANDARD DRAWING | DATE: JAN. 04 |
|---------------|----------|---------|--|---------------|
| DESCRIPTION | APPROVED | DATE | VALLECTIOS WATER DISTRICT STANDARD DRAWING | |
| THREADED PLUG | | 6-13-11 | | BY: |
| | | | | Drawing No. |
| | | | DEAD END CLEAN-OUT | |
| | | | | |
| | | | | |



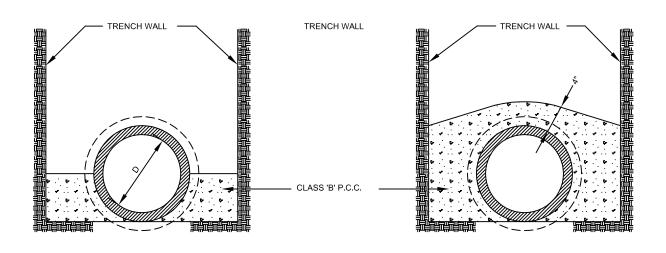




| REVISIONS | | | VALLECITOS WATER DISTRICT STANDARD DRAWING | DATE: JAN. 04 |
|-------------|----------|------|--|---------------|
| DESCRIPTION | APPROVED | DATE | VALLECTIOS WATER DISTRICT STANDARD DRAWING | |
| | | | | BY: |
| | | | | Drawing No. |
| | | | SUPPORT FOR UNDERCUT V.C. PIPE | |
| | | | | 15-101 |
| | | | | |



NO. 1 CONCRETE ENCASEMENT



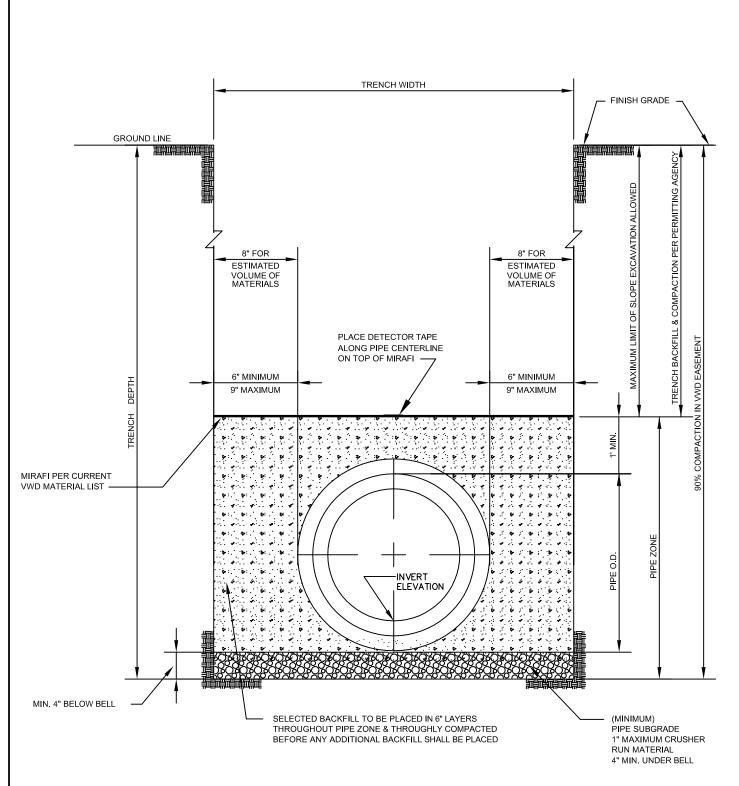
CONCRETE CRADLE

NO. 2 CONCRETE ENCASEMENT

NOTE:

WHERE TRENCH WIDTH EXCEEDS THE WIDTH SPECIFIED IN THE SPECIFICATIONS, CONTRACTOR SHALL FURNISHED AND PLACE AT HIS OWN EXPENSE, A CRADLE AS SHOWN ABOVE.

| REVISIONS | | | VALLECITOS WATER DISTRICT STANDARD DRAWING | DATE: JAN. 04 |
|-------------|----------|------|--|---------------|
| DESCRIPTION | APPROVED | DATE | VALLECTIOS WATER DISTRICT STANDARD DRAWING | |
| | | | STANDARD CONCRETE CRADLE AND ENCASEMENT | BY: |
| | | | | Drawing No. |
| | | | | |
| | | | | S-I |
| | | | | |



NOTE:

MIRAFI TO BE USED ON MAINLINE TRENCH AND SEWER LATERALS.

| REVISIONS | | | | | |
|---------------|----------|---------|--|--|--|
| DESCRIPTION | APPROVED | DATE | | | |
| DETECTOR TAPE | | 8-21-07 | | | |
| ADDED MIRAFI | | 3-28-17 | | | |
| | | | | | |
| | | | | | |
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VALLECITOS WATER DISTRICT STANDARD DRAWING

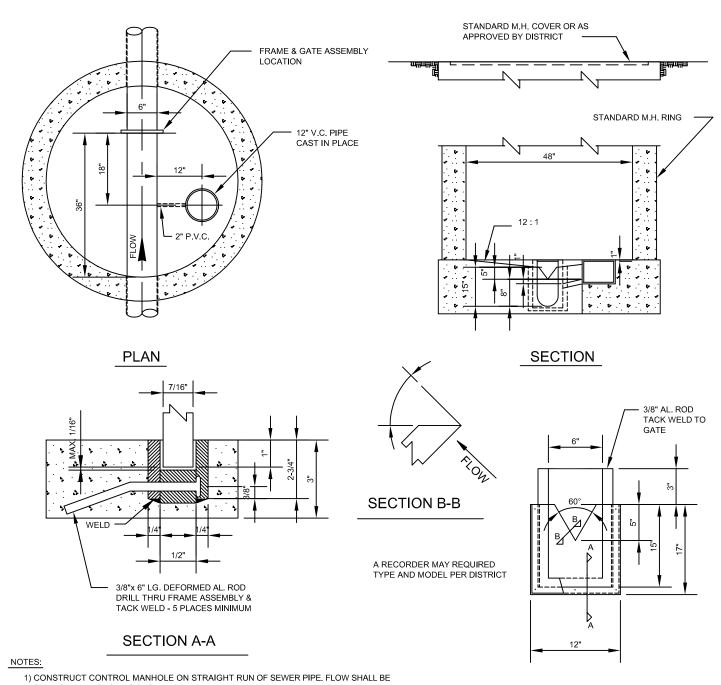
TRENCH EXCAVATION & BACKFILL FOR SEWERS

DATE: JULY 2015

BY:

Drawing No.

S - 12



- STRAIGHT THROUGH AS SHOWN.
- 2) BOTTOM OF V-NOTCH MUST ALWAYS BE ABOVE MAXIMUM POSSIBLE LEVEL IN DOWNSTREAM CHANNEL TO PREVENT SUBMERGED DISCHARGE CONDITIONS.
- 3) THE CONTROL MANHOLE SHALL BE A MINIMUM SIZE OF 4 FOOT SQUARE INSIDE OR 4 FOOT INSIDE DIAMETER AND CONSTRUCTED OF CONCRETE BLOCK, BRICK, STANDARD MANHOLE RINGS OR POURED CONCRETE.
- 4) CONTROL MANHOLE PLANS ARE TO BE SUBMITTED TO THE ENGINEERING DEPARTMENT OF THE VALLECITOS WATER DISTRICT FOR APPROVAL.
- 5) FOR 6" OR 8" LINES ONLY.
- 6) FOR FLOWS OF 10,000 TO 100,000 PER DAY. FOR FLOWS OTHER THAN THOSE SPECIFIED, CONTACT THE DISTRICT.

FRAME & GATE ASSEMBLY

NOTE: ALL MATERIAL FOR GATE AND FRAME TO BE ALUMINUM PLATE

| REVISIONS | | | VALLECITOS WATER DISTRICT STANDARD DRAWING | DATE: JAN. 04 |
|---------------------------------|----------|---------|--|---------------|
| DESCRIPTION | APPROVED | DATE | VALLECTIOS WATER DISTRICT STANDARD DRAWING | |
| DELETE STEPS / REV. MISC. NOTES | | 8-21-07 | | BY: |
| | | | INDUSTRIAL WASTE CONTROL MANHOLE | Drawing No. |
| | | | | |
| | | | | S - 3 |
| | | | | |