



Yucaipa Valley Water District

2022

STANDARD SPECIFICATIONS

FOR THE

DESIGN AND PROCESSING,

FURNISHING OF MATERIALS,

AND

CONSTRUCTION OF RECYCLED WATER FACILITIES

YVWD RECYCLED WATER FACILITY STANDARDS

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NOTE:

- DRAWINGS R-8 THROUGH R-14 ARE NOT IN USE
- (W) DRAWINGS LISTED BELOW ARE YVWD DRINKING WATER STANDARD DRAWINGS APPLICABLE TO RECYCLED FACILITIES

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RECYCLED WATER STANDARD INDEX

2022



Yucaipa Valley
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YVWD RECYCLED WATER FACILITY STANDARDS

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NOTE: W- DWGS LISTED ARE YVWD WATER STANDARD DRAWINGS APPLICABLE
TO RECYCLED FACILITIES.

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NOTE: W- DWGS LISTED ARE YVWD WATER STANDARD DRAWINGS APPLICABLE
TO DUAL PLUMBED FACILITIES.

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STANDARD DESIGN REQUIREMENTS:

PLAN SCALE SIZES ARE REQUIRED TO BE DESIGNED AT 1"=40', PROFILE AT 1"=4'. SPECIAL CONSTRUCTION DETAILS MAY BE ADJUSTED AS NECESSARY FOR DESIGN AND CONSTRUCTION PURPOSES.

ALL PLAN SHEETS SHALL BE ON 24-INCH BY 36-INCH ARCHITECTURAL SHEET SIZE D.

ALL PROJECTS SHALL BE SUBMITTED TO THE DISTRICT ON MYLAR PRIOR TO CONSTRUCTION.

ALL PROJECTS, UPON COMPLETION, SHALL UPDATE THE MYLAR PLANS AND PROVIDE AUTOCAD FILES FOR DISTRICT USE AND RECORDS UPON COMPLETION.

STANDARD LEGEND

	RIGHT OF WAY (R.O.W.)
	CENTERLINE
	EXISTING DRINKING WATER LINE
	PROPOSED DRINKING WATER LINE
	EXISTING RECYCLED WATER LINE
	PROPOSED RECYCLED WATER LINE
	EXISTING SEWER LINE
	PROPOSED SEWER LINE
	EXISTING GAS LINE
	PROPOSED GAS LINE
	SERVICE LATERAL
	ENCASEMENT
	EXISTING ELECTRICAL CONDUIT
	PROPOSED ELECTRICAL CONDUIT
	EXISTING TELEPHONE CONDUIT
	PROPOSED TELEPHONE CONDUIT
	EXISTING FIBER OPTIC CABLE
	PROPOSED FIBER OPTIC CABLE
	PORTLAND CEMENT CONCRETE IN SECTION
	PORTLAND CEMENT CONCRETE IN PLAN

	POWER POLE AND GUY LINE		CLEAN-OUT
	TRAFFIC SIGNAL EXISTING		HOUSE CONNECTION SEWER
	WATER WELL		WYE BRANCH
	BUTTERFLY VALVE		CUT-OFF WALL
	GATE VALVE	C.O.	CLEAN-OUT
	FIRE HYDRANT	D.I.P.	DUCTILE IRON PIPE
	BLOW-OFF	D.M.H.	DROP MANHOLE
	AIR & VACUUM VALVE ASSEMBLY (SIZE PER PLAN)	J.M.H.	JUNCTION MANHOLE
	DRINKING WATER QUALITY SAMPLE STATION	M.H.	MANHOLE
	RECYCLED WATER QUALITY SAMPLE STATION	V.C.P.	VITRIFIED CLAY PIPE

STANDARD DESIGN REQUIREMENTS AND LEGEND

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IRRIGATION LEGEND



REMOTE CONTROL VALVE

ELECTRIC CONTROL VALVE WITH RECYCLED ID TAGS



PRESSURE REGULATING VALVE

WILKINS 70 SERIES, 3/4" SIZE



ISOLATION VALVE

WITH RECYCLED ID TAGS



IRRIGATION CONTROLLER

PEDESTAL OR EXTERIOR MOUNT WITH RECYCLED WATER LABEL



DRINKING WATER HOSE BIB



VALVE



BACKFLOW PREVENTER

— RW —

RECYCLED WATER MAINLINE

PURPLE PVC PIPE (OR APPROVED EQUAL) WITH 3" WARNING TAPE, SIZE PER PLAN

— W —

DRINKING WATER MAINLINE

COPPER PIPE WITH 3" WARNING TAPE

—

RECYCLED WATER LATERAL

PURPLE PVC PIPE (OR APPROVED EQUAL) WITH 3" WARNING TAPE, SIZE PER PLAN FOR NON-CONSTANT PRESSURE PIPE.

= = = = =

RECYCLED WATER SLEEVING

2" MIN. SCHEDULE 40 PURPLE PVC PIPE

—

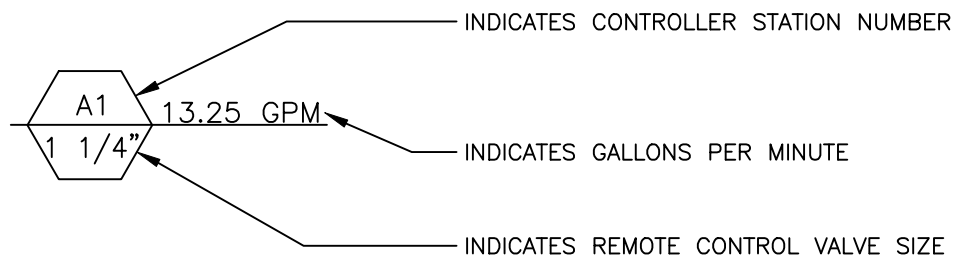
DRINKING WATER FEATURE FILL LINE

COPPER TUBING, TYPE K



POINT OF CONNECTION (P.O.C.)

LOCKED VALVE TO BACK YARD



NOTE:

1. INSTALLATION OF RECYCLED WATER IRRIGATION SYSTEM SHALL BE IN CONFORMANCE WITH YVWD ON-SITE DESIGN AND CONSTRUCTION STANDARDS.

STANDARD DESIGN REQUIREMENTS AND LEGEND

2022

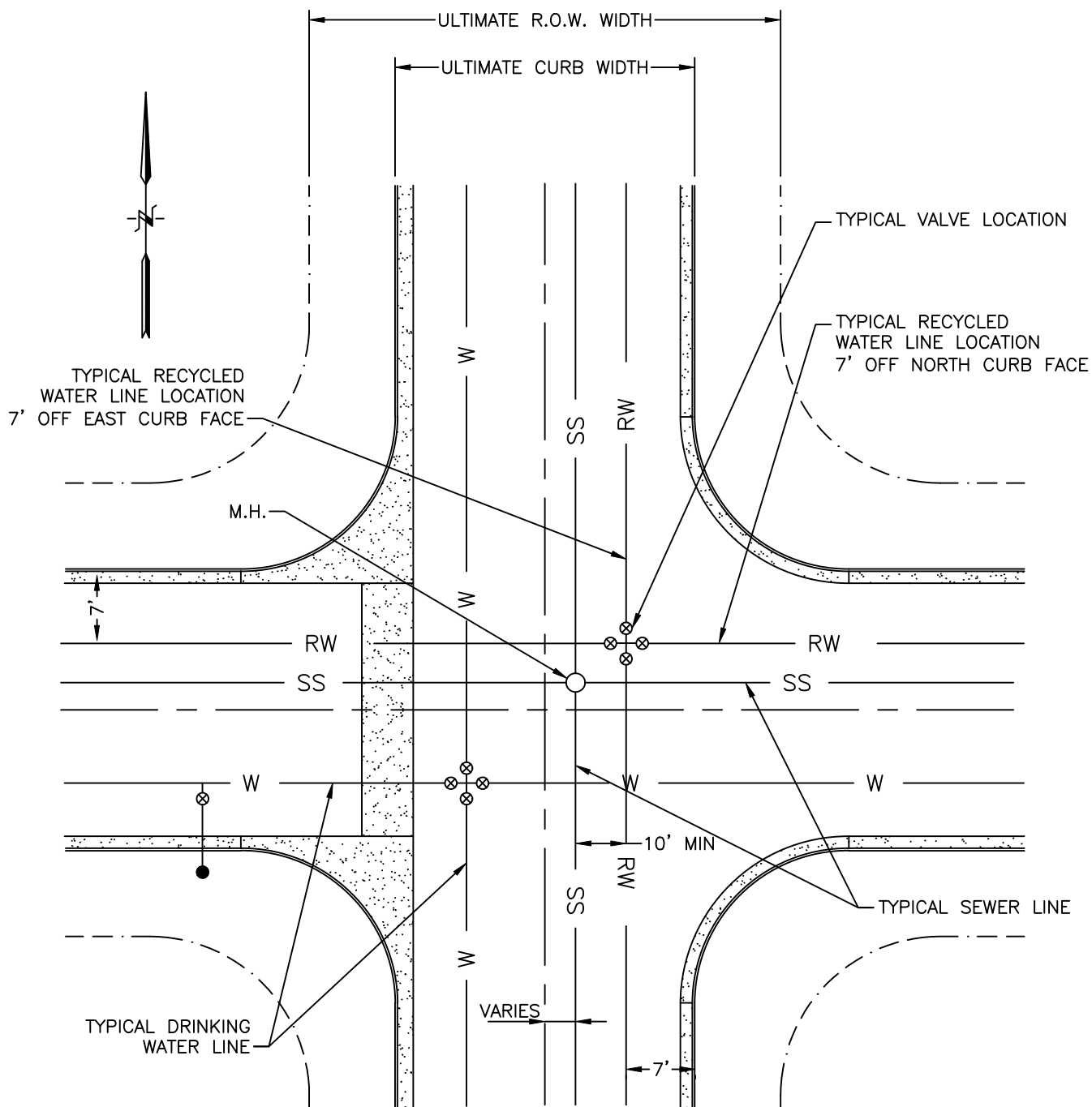


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NOTE:

RECYCLED WATER LINE SIZE TO BE DETERMINED BY Y.V.W.D. MASTER PLAN

RECYCLED WATER PIPELINE LOCATION

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Yucaipa Valley
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1. THE INSTALLATION OF THE RECYCLED WATER SYSTEM SHALL BE ACCOMPLISHED UNDER THE APPROVAL, INSPECTION, AND TO THE SATISFACTION OF THE YUCAIPA VALLEY WATER DISTRICT (YVWD).
2. ALL WORK ON EXISTING AND FUTURE DISTRICT FACILITIES REQUIRES FULL TIME INSPECTIONS AS THE WORK IS TAKING PLACE. WORK ON ON-SITE FACILITIES WILL REQUIRE INSPECTIONS AS NECESSARY TO THE SATISFACTION OF THE DISTRICT AND OR THE STATE AS PERTAINING TO THE USE AND APPLICATION OF RECYCLED WATER. THE PROJECT OWNER OR A REPRESENTATIVE SUCH AS A SUPERINTENDENT, SHALL BE RESPONSIBLE FOR COORDINATING A PRE-CONSTRUCTION MEETING AND SCHEDULING ALL INSPECTIONS WITH THE YUCAIPA VALLEY WATER DISTRICT AT (909) 797-5118. ALL SCHEDULING OF PRE-CONSTRUCTION MEETINGS AND INSPECTIONS SHALL BE DONE A MINIMUM OF TWO (2) FULL WORKING DAYS AHEAD OF THE WORK TO TAKE PLACE.
3. THE PROPERTY OWNER AND OR THE SITE SUPERVISOR SHALL BE RESPONSIBLE FOR PROVIDING ACCESS TO AND COOPERATION WITH THE DISTRICT INSPECTOR TO PERFORM ALL INSPECTIONS AND TESTING.
4. CONNECTION TO THE EXISTING RECYCLED WATER FACILITIES SHALL BE PERFORMED BY A LICENSED CONTRACTOR IN ACCORDANCE WITH THE YUCAIPA VALLEY WATER DISTRICT RECYCLED WATER ON-SITE DESIGN AND CONSTRUCTION STANDARDS.
5. THERE SHALL NEVER BE ANY DIRECT CONNECTIONS BETWEEN THE DRINKING WATER AND RECYCLED WATER SYSTEMS.
6. RECYCLED WATER SHALL NOT BE USED FOR ANY PURPOSE OTHER THAN LANDSCAPE IRRIGATION AND APPROVED USES SUCH AS INDUSTRIAL USE OR IMPOUNDMENTS.
7. ALL IRRIGATION SYSTEMS SHOULD HAVE A MASTER CONTROL VALVE DOWNSTREAM OF CROSS-CONNECTION TEST STATION.
8. HOSE BIBS ARE PROHIBITED ON RECYCLED WATER SYSTEMS.
9. WATER USED IN HOSE BIBS SHALL BE DRINKING WATER AND ALL HOSE BIBS SHALL BE AFFIXED TO THE BUILDING WITH AN APPROPRIATE ANIT-SIPHON VALVE INSTALLED AT THE HOSE CONNECTION.
10. THE DRINKING WATER SYSTEM SHALL BE PROTECTED BY A UNIVERSITY OF SOUTHERN CALIFORNIA – FOUNDATION FOR CROSS-CONNECTION CONTROL AND HYDRAULIC RESEARCH APPROVED BACKFLOW PREVENTION DEVICE. THE SPECIFIC DEVICE TO BE INSTALLED MAY BE DIRECTED BY THE YUCAIPA VALLEY WATER DISTRICT BASED UPON INSTALLATION REQUIREMENTS AND OR THE STANDARD DRAWINGS AVAILABLE AT THE TIME OF CONSTRUCTION. THE RECYCLED WATER SERVICE WILL NORMALLY NOT REQUIRE BACKFLOW PROTECTION (AT THE DISCRETION OF THE YUCAIPA VALLEY WATER DISTRICT.)
11. A MINIMUM OF TEN (10) FEET HORIZONTAL SEPARATION MUST BE MAINTAINED AT ALL TIMES BETWEEN THE CONSTANT PRESSURE DRINKING WATER AND RECYCLED WATER LINES. A MINIMUM OF ONE (1) FOOT VERTICAL SEPARATION MUST BE MAINTAINED AT ALL TIMES BETWEEN THE DRINKING WATER AN RECYCLED WATER LINES WITH THE RECYCLED WATERLINE BELOW THE DRINKING WATER.
12. ALL CROSSINGS BETWEEN DRINKING WATER AND RECYCLED WATER LINES SHALL BE AS NEAR TO PERPENDICULAR AS POSSIBLE AND THE RECYCLED WATER LINES SHALL BE SLEEVED A MINIMUM OF FIVE (5) FEET ON BOTH SIDES OF THE DRINKING WATER LINE.
13. SERVICE LINES FOR THE ON-SITE DRINKING WATER SYSTEM AND FILL LINES FOR WATER FEATURES CONNECTED TO THE DRINKING WATER SYSTEM SHALL BE CONSTRUCTED USING COPPER PIPE.
14. CONTINUOUS BLUE WARNING TAPE SHALL BE AFFIXED TO THE WHOLE LENGTH OF ALL BELOW GRADE POTABLE WATER PIPES; WARNING TAPE SHALL BE SECURED EVERY 5-FEET AND AT ALL ANGLE JOINTS IN ANY TRENCHES CARRYING DRINKING WATER. REFER TO T. CHRISTY'S OR APPROVED EQUAL.
15. CONTINUOUS PURPLE WARNING TAPE SHALL BE AFFIXED TO THE WHOLE LENGTH OF ALL BELOW GRADE RECYCLED WATER PIPES; WARNING TAPE SHALL BE SECURED EVERY 5-FEET AND ALL ANGLE JOINTS IN ANY TRENCHES CARRYING RECYCLED WATER. REFER TO T. CHRISTY'S OR APPROVED EQUAL.

(CONTINUED ON SHEET 2)

RECYCLED WATER NOTES FOR NON-RESIDENTIAL SITES

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15. RECYCLED WATER PIPING SHALL BE PURPLE AND IDENTIFIED AS RECYCLED WATER PIPE BY CONTINUOUS MARKING ON BOTH SIDES. THE MARKINGS SHALL INCLUDE THE FOLLOWING: "WARNING RECYCLED WATER – DO NOT DRINK", NOMINAL PIPE SIZE, PRESSURE RATING, AND ASTM DESIGNATIONS.
16. RECYCLED WATER ISOLATION AND CONTROL VALVE BOXES SHALL BE WEATHERPROOF PURPLE PLASTIC AND MARKED "RECYCLED WATER". *NOTE – ALL CONTROL VALVES SHALL BE BURIED BLOW GRADE AUTOMATIC CONTROL VALVES OPERATED BY A PROGRAMMABLE CONTROLLER. ABOVE GROUND ANTI-SIPHON CONTROL VALVES ARE NOT ALLOWED.
17. ALL RECYCLED WATER IRRIGATION SYSTEM CONTROL VALVES, ISOLATION VALVES, QUICK COUPLERS, REGULATORS, AND APPURTENANCES SHALL BE TAGGED WITH IDENTIFICATION. IDENTIFICATION SHALL BE WEATHERPROOF PURPLE PLASTIC, 3-INCHES BY 4-INCHES AND IMPRINTED WITH "WARNING RECYCLED WATER – DO NOT DRINK". REFER TO T. CHRISTY'S OR APPROVED EQUAL.
18. ALL AREAS WHERE RECYCLED WATER IS USED SHALL BE POSTED WITH APPROVED SIGNAGE. EACH SIGN SHALL STATE "RECYCLED WATER – DO NOT DRINK" AND DISPLAY THE INTERNATIONAL "DO NOT DRINK" SYMBOL. SIGNS MAY BE PROVIDED AT THE DISCRETION OF THE YUCAIPA VALLEY WATER DISTRICT.
19. BEFORE ACTIVATION OF THE DRINKING WATER SERVICE THE BACKFLOW DEVICE SHALL BE TESTED AND APPROVED BY A LICENSED BACKFLOW TESTER. ARRANGEMENTS WITH THE YUCAIPA VALLEY WATER DISTRICT MUST BE MADE AT LEAST TWO (2) WORKING DAYS IN ADVANCE TO TURN ON THE DRINKING WATER SERVICE TO ALLOW TESTING OF THE DEVICE. DRINKING WATER SERVICES WILL NOT BE ACTIVATED UNTIL THE BACKFLOW DEVICE PASSES INSPECTION.
20. BEFORE ACTIVATION OF ANY RECYCLED WATER SERVICE, THE PROJECT SHALL COMPLETE THE FOLLOWING PROCESSES;
 - A.) PROVIDE A COMPLETED "YUCAIPA VALLEY WATER DISTRICT – ENGINEERS SUPPLEMENTAL REPORT"
 - B.) OWNER OR LANDSCAPE MAINTENANCE SUPERVISOR(S) SHALL COMPLETE AN AUTHORIZED "RECYCLED WATER USER SITE SUPERVISOR TRAINING" COURSE AS REQUIRED BY THE YUCAIPA VALLEY WATER DISTRICT AND STATE OF CALIFORNIA DEPARTMENT OF DRINKING WATER.
 - C.) PROVIDE SITE PLANS INDICATING FOOTPRINTS FOR ALL STRUCTURAL, HARDSCAPE AND LANDSCAPE AREAS. SITE PLANS TO INCLUDE COLOR CODED WATER LINE LOCATIONS FOR EASIER IDENTIFICATION IN THE FOLLOWING COLORS;

DRINKING WATER	(BLUE)
FIRE SUPPRESSION SYSTEMS	(RED)
RECYCLED WATER LINES	(PURPLE)
 - D.) PROVIDE IRRIGATION AND PLUMBING PLANS AS REQUIRED BY THE YUCAIPA VALLEY WATER DISTRICT OR THE CALIFORNIA DEPARTMENT OF DRINKING WATER FOR PERMITTING PURPOSES.
 - E.) ONCE ALL PLANS AND ENGINEERS SUPPLEMENTAL REPORT(S) HAVE BEEN REVIEWED AND APPROVED BY THE DISTRICT, THE SITE MUST COMPLETE A CROSS-CONNECTION TEST AND INSPECTION FOR PRELIMINARY APPROVAL OF THE IRRIGATION SYSTEM USING A TEMPORARY DRINKING WATER CONNECTION. THE PROPERTY OWNER OR CONTRACTOR SHALL ARRANGE WITH THE DISTRICT FOR AN IRRIGATION COVERAGE TEST AND MAKE ANY MODIFICATIONS OR ADJUSTMENTS DEEMED REQUIRED BEFORE FINAL SUBMITTAL TO THE CALIFORNIA DEPARTMENT OF DRINKING WATER FOR REVIEW. ALL PRELIMINARY WATER USE PRIOR TO RECEIVING RECYCLED WATER SHALL BE COMPLETED BY USING A TEMPORARY DRINKING WATER SOURCE AUTHORIZED BY THE DISTRICT.

THE DEPARTMENT OF DRINKING WATER HAS THE AUTHORITY FOR FINAL APPROVAL OR DENIAL FOR RECYCLED WATER USE PERMITS. THE OWNER SHALL BE RESPONSIBLE FOR MAKING ANY AND ALL CORRECTIONS THAT MAY BE REQUIRED OF THE SITE BY THE DEPARTMENT OF DRINKING WATER.

PROVIDED THAT ALL REQUIREMENTS ARE MET FOR OBTAINING A RECYCLED WATER USER PERMIT FOR A SITE, THE OWNER AND OR SITE SUPERVISOR SHALL THEN MAINTAIN THE SITE AS ORIGINALLY PERMITTED. CHANGES TO THE SITE MUST BE PRIOR APPROVED BY THE DISTRICT IN WRITING AND WILL NEED TO COMPLETE THE ABOVE LIST OF REQUIREMENTS AS NECESSARY. THE SITE WILL REQUIRE ANNUAL INSPECTIONS BY THE YUCAIPA VALLEY WATER DISTRICT FOR UPDATES OR NOTATION OF CHANGES. ONCE EVERY FOUR (4) YEARS, THE SITE WILL REQUIRE AN IN-DEPTH REVIEW, INSPECTION AND CROSS-CONNECTION TEST TO ENSURE COMPLIANCE WITH THE RECYCLED WATER SUER PERMIT FROM THE CALIFORNIA DEPARTMENT OF DRINKING WATER.

(CONTINUED ON SHEET 3)

RECYCLED WATER NOTES FOR NON-RESIDENTIAL SITES

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21. ALL SPRAY HEADS SHALL BE ADJUSTED TO ELIMINATE OVERSPRAY AND RUNOFF ONTO ADJACENT HARDSCAPES, DRINKING FOUNTAINS OR WATER FEATURES AND OUTDOOR FURNITURE SUCH AS TABLES, ETC.
22. RECYCLED WATER OVERHEAD SPRAY IRRIGATION SYSTEMS ARE RESTRICTED FOR TIME OF USE TO OPERATE BETWEEN THE HOURS OF 9:00 PM AND 6:00 AM. RECYCLED WATER DRIP IRRIGATION SYSTEMS ARE NOT RESTRICTED TO A TIME OF USE.
23. RECYCLED WATER OVERHEAD SPRAY IRRIGATION IS RESTRICTED AND NOT PERMITTED WITHIN 5–FEET OF STRUCTURES AND 2–FEET FROM HARDSCAPES.
24. FAILURE TO COMPLY WITH ANY OF THE YUCAIPA VALLEY WATER DISTRICT STANDARDS OR REQUIREMENTS MAY RESULT IN THE TERMINATION OF RECYCLED WATER AND/OR POTABLE WATER SERVICE.

RECYCLED WATER NOTES FOR NON–RESIDENTIAL SITES

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2. ALL WORK ON EXISTING AND FUTURE DISTRICT FACILITIES REQUIRES FULL TIME INSPECTIONS AS THE WORK IS TAKING PLACE. WORK ON ON-SITE FACILITIES WILL REQUIRE INSPECTIONS AS NECESSARY TO THE SATISFACTION OF THE DISTRICT AND OR THE STATE AS PERTAINING TO THE USE AND APPLICATION OF RECYCLED WATER. THE HOMEOWNER OR A REPRESENTATIVE SUCH AS A CONTRACTOR, SHALL BE RESPONSIBLE FOR COORDINATING A PRE-CONSTRUCTION MEETING AND SCHEDULING ALL INSPECTIONS WITH THE YUCAIPA VALLEY WATER DISTRICT AT (909) 797-5118. ALL SCHEDULING OF PRE-CONSTRUCTION MEETINGS AND INSPECTIONS SHALL BE DONE A MINIMUM OF TWO (2) FULL WORKING DAYS AHEAD OF THE WORK TO TAKE PLACE.
3. THE HOMEOWNER AND OR THE SITE SUPERVISOR SHALL BE RESPONSIBLE FOR PROVIDING ACCESS TO AND COOPERATION WITH THE DISTRICT INSPECTOR TO PERFORM ALL INSPECTIONS AND TESTING.
4. CONNECTION TO THE EXISTING RECYCLED WATER FACILITIES SHALL BE PERFORMED BY A LICENSED CONTRACTOR IN ACCORDANCE WITH THE YUCAIPA VALLEY WATER DISTRICT RECYCLED WATER ON-SITE DESIGN AND CONSTRUCTION STANDARDS.
5. THERE SHALL NEVER BE ANY DIRECT CONNECTIONS BETWEEN THE DRINKING WATER AND RECYCLED WATER SYSTEMS.
6. RECYCLED WATER SHALL NOT BE USED FOR ANY PURPOSE OTHER THAN LANDSCAPE IRRIGATION.
7. ALL IRRIGATION SYSTEMS SHOULD HAVE A MASTER CONTROL VALVE DOWNSTREAM OF CROSS-CONNECTION TEST STATION.
8. HOSE BIBS ARE PROHIBITED ON RECYCLED WATER SYSTEMS.
9. WATER USED IN HOSE BIBS SHALL BE DRINKING WATER AND ALL HOSE BIBS SHALL BE AFFIXED TO THE HOUSE WITH AN APPROPRIATE ANTI-SIPHON VALVE INSTALLED AT THE HOSE CONNECTION.
10. THE DRINKING WATER SYSTEM SHALL BE PROTECTED BY A UNIVERSITY OF SOUTHERN CALIFORNIA – FOUNDATION FOR CROSS-CONNECTION CONTROL AND HYDRAULIC RESEARCH APPROVED BACKFLOW PREVENTION DEVICE. THE SPECIFIC DEVICE TO BE INSTALLED MAY BE DIRECTED BY THE YUCAIPA VALLEY WATER DISTRICT BASED UPON INSTALLATION REQUIREMENTS AND OR THE STANDARD DRAWINGS AVAILABLE AT THE TIME OF CONSTRUCTION. THE RECYCLED WATER SERVICE WILL NORMALLY NOT REQUIRE BACKFLOW PROTECTION (AT THE DISCRETION OF THE YUCAIPA VALLEY WATER DISTRICT.)
11. A MINIMUM OF TEN (10) FEET HORIZONTAL SEPARATION MUST BE MAINTAINED AT ALL TIMES BETWEEN THE CONSTANT PRESSURE DRINKING WATER AND RECYCLED WATER LINES. A MINIMUM OF ONE (1) FOOT VERTICAL SEPARATION MUST BE MAINTAINED AT ALL TIMES BETWEEN THE DRINKING WATER AND RECYCLED WATER LINES WITH THE RECYCLED WATER LINE BELOW THE DRINKING WATER.
12. ALL CROSSINGS BETWEEN DRINKING WATER AND RECYCLED WATER LINES SHALL BE AS NEAR TO PERPENDICULAR AS POSSIBLE AND THE RECYCLED WATER LINES SHALL BE SLEEVED A MINIMUM OF FIVE (5) FEET ON BOTH SIDES OF THE DRINKING WATER LINE.
13. SERVICE LINES FOR THE ON-SITE DRINKING WATER SYSTEM AND FILL LINES FOR WATER FEATURES CONNECTED TO THE DRINKING WATER SYSTEM SHALL BE CONSTRUCTED USING COPPER PIPE.
14. CONTINUOUS BLUE WARNING TAPE SHALL BE AFFIXED TO THE WHOLE LENGTH OF ALL BELOW GRADE POTABLE WATER PIPES; WARNING TAPE SHALL BE SECURED EVERY 5- FEET AND AT ALL ANGLE JOINTS IN ANY TRENCHES CARRYING DRINKING WATER. REFER TO T. CHRISTY'S OR APPROVED EQUAL.
15. CONTINUOUS PURPLE WARNING TAPE SHALL BE AFFIXED TO THE WHOLE LENGTH OF ALL BELOW GRADE RECYCLED WATER PIPES; WARNING TAPE SHALL BE SECURED EVERY 5- FEET AND AT ALL ANGLE JOINTS IN ANY TRENCHES CARRYING RECYCLED WATER. REFER TO T. CHRISTY'S OR APPROVED EQUAL.

(CONTINUED ON SHEET 2)

RECYCLED WATER NOTES FOR ONSITE RESIDENTIAL USE

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16. RECYCLED WATER PIPING SHALL BE PURPLE AND IDENTIFIED AS RECYCLED WATER PIPE BY CONTINUOUS MARKING ON BOTH SIDES. THE MARKINGS SHALL INCLUDE THE FOLLOWING: "WARNING RECYCLED WATER – DO NOT DRINK", NOMINAL PIPE SIZE, PRESSURE RATING, AND ASTM DESIGNATIONS.
17. RECYCLED WATER ISOLATION AND CONTROL VALVE BOXES SHALL BE WEATHERPROOF PURPLE PLASTIC AND MARKED "RECYCLED WATER". *NOTE – ALL CONTROL VALVES SHALL BE BURIED BLOW GRADE AUTOMATIC CONTROL VALVES OPERATED BY A PROGRAMMABLE CONTROLLER. ABOVE GROUND ANTI-SIPHON CONTROL VALVES ARE NOT ALLOWED.
18. ALL RECYCLED WATER IRRIGATION SYSTEM CONTROL VALVES, ISOLATION VALVES, QUICK COUPLERS, REGULATORS, AND APPURTENANCES SHALL BE TAGGED WITH IDENTIFICATION. IDENTIFICATION SHALL BE WEATHERPROOF PURPLE PLASTIC, 3-INCHES BY 4-INCHES AND IMPRINTED WITH "WARNING RECYCLED WATER – DO NOT DRINK". REFER TO T. CHRISTY'S OR APPROVED EQUAL.
19. ALL AREAS WHERE RECYCLED WATER IS USED SHALL BE POSTED WITH APPROVED SIGNAGE. EACH SIGN SHALL STATE "RECYCLED WATER – DO NOT DRINK" AND DISPLAY THE INTERNATIONAL "DO NOT DRINK" SYMBOL. SIGNS MAY BE PROVIDED AT THE DISCRETION OF THE YUCAIPA VALLEY WATER DISTRICT.
20. BEFORE ACTIVATION OF THE DRINKING WATER SERVICE THE BACKFLOW DEVICE SHALL BE TESTED AND APPROVED BY A LICENSED BACKFLOW TESTER. ARRANGEMENTS WITH THE YUCAIPA VALLEY WATER DISTRICT MUST BE MADE AT LEAST TWO (2) WORKING DAYS IN ADVANCE TO TURN ON THE DRINKING WATER SERVICE TO ALLOW TESTING OF THE DEVICE. DRINKING WATER SERVICES WILL NOT BE ACTIVATED UNTIL THE BACKFLOW DEVICE PASSES INSPECTION.
21. BEFORE ACTIVATION OF ANY RECYCLED WATER SERVICE, THE HOMEOWNER SHALL COMPLETE THE FOLLOWING PROCESSES;
 - A.) PROVIDE A COMPLETED "YUCAIPA VALLEY WATER DISTRICT – ENGINEERS SUPPLEMENTAL REPORT"
 - B.) HOMEOWNER OR TENANTS(S) SHALL COMPLETE AN AUTHORIZED "RECYCLED WATER USER SITE SUPERVISOR TRAINING" COURSE AS REQUIRED BY THE YUCAIPA VALLEY WATER DISTRICT AND STATE OF CALIFORNIA DEPARTMENT OF DRINKING WATER.
 - C.) PROVIDE SITE PLANS INDICATING FOOTPRINTS FOR ALL STRUCTURAL, HARDSCAPE AND LANDSCAPE AREAS. SITE PLANS TO INCLUDE COLOR CODED WATER LINE LOCATIONS FOR EASIER IDENTIFICATION IN THE FOLLOWING COLORS;

DRINKING WATER	(BLUE)
FIRE SUPPRESSION SYSTEMS	(RED)
RECYCLED WATER LINES	(PURPLE)
 - D.) PROVIDE IRRIGATION AND PLUMBING PLANS AS REQUIRED BY THE YUCAIPA VALLEY WATER DISTRICT OR THE CALIFORNIA DEPARTMENT OF DRINKING WATER FOR PERMITTING PURPOSES.
 - E.) ONCE ALL PLANS AND ENGINEERS SUPPLEMENTAL REPORT(S) HAVE BEEN REVIEWED AND APPROVED BY THE DISTRICT, THE SITE MUST COMPLETE A CROSS-CONNECTION TEST AND INSPECTION FOR PRELIMINARY APPROVAL OF THE IRRIGATION SYSTEM USING A TEMPORARY DRINKING WATER CONNECTION. THE HOMEOWNER OR TENANT(S) SHALL ARRANGE WITH THE DISTRICT FOR AN IRRIGATION COVERAGE TEST AND MAKE ANY MODIFICATIONS OR ADJUSTMENTS DEEMED REQUIRED BEFORE FINAL SUBMITTAL TO THE CALIFORNIA DEPARTMENT OF DRINKING WATER FOR REVIEW. ALL PRELIMINARY WATER USE PRIOR TO RECEIVING RECYCLED WATER SHALL BE COMPLETED BY USING A TEMPORARY DRINKING WATER SOURCE AUTHORIZED BY THE DISTRICT.

THE DEPARTMENT OF DRINKING WATER HAS THE AUTHORITY FOR FINAL APPROVAL OR DENIAL FOR RECYCLED WATER USE PERMITS. THE OWNER SHALL BE RESPONSIBLE FOR MAKING ANY AND ALL CORRECTIONS THAT MAY BE REQUIRED OF THE SITE BY THE DEPARTMENT OF DRINKING WATER.

PROVIDED THAT ALL REQUIREMENTS ARE MET FOR OBTAINING A RECYCLED WATER USER PERMIT FOR A SITE, THE HOMEOWNER AND OR TENANT(S) SHALL THEN MAINTAIN THE SITE AS ORIGINALLY PERMITTED. CHANGES TO THE SITE MUST BE PRIOR APPROVED BY THE DISTRICT IN WRITING AND WILL NEED TO COMPLETE THE ABOVE LIST OF REQUIREMENTS AS NECESSARY. THE SITE WILL REQUIRE ANNUAL INSPECTIONS BY THE YUCAIPA VALLEY WATER DISTRICT FOR UPDATES OR NOTATION OF CHANGES. ONCE EVERY FOUR (4) YEARS, THE SITE WILL REQUIRE AN IN-DEPTH REVIEW, INSPECTION AND CROSS-CONNECTION TEST TO ENSURE COMPLIANCE WITH THE RECYCLED WATER SUER PERMIT FROM THE CALIFORNIA DEPARTMENT OF DRINKING WATER.

(CONTINUED ON SHEET 3)

RECYCLED WATER NOTES FOR ONSITE RESIDENTIAL USE

2022



Yucaipa Valley
Water District

Approved by the Yucaipa
Valley Water District Board of
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22. ALL SPRAY HEADS SHALL BE ADJUSTED TO ELIMINATE OVERSPRAY AND RUNOFF ONTO ADJACENT HARDSCAPES, DRINKING FOUNTAINS OR WATER FEATURES AND OUTDOOR FURNITURE SUCH AS TABLES, ETC.
23. RECYCLED WATER OVERHEAD SPRAY IRRIGATION SYSTEMS ARE RESTRICTED FOR TIME OF USE TO OPERATE BETWEEN THE HOURS OF 9:00 PM AND 6:00 AM. RECYCLED WATER DRIP IRRIGATION SYSTEMS ARE NOT RESTRICTED TO A TIME OF USE.
24. RECYCLED WATER OVERHEAD SPRAY IRRIGATION IS RESTRICTED AND NOT PERMITTED WITHIN 5-FEET OF STRUCTURES AND 2-FEET FROM HARDSCAPES.
25. FAILURE TO COMPLY WITH ANY OF THE YUCAIPA VALLEY WATER DISTRICT STANDARDS OR REQUIREMENTS MAY RESULT IN THE TERMINATION OF RECYCLED WATER AND/OR POTABLE WATER SERVICE.

RECYCLED WATER NOTES FOR ONSITE RESIDENTIAL USE

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Water District

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Valley Water District Board of
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PROPERTY LINE PIN PER SURVEY

FACE OF CURB

50"

32.5"

ALL ON SITE
RECYCLED PIPES
SHALL BE SCH. 40
"PURPLE" PLASTIC
PIPE, PER YVWD
STANDARDS PER
DWG. R-4 NOTE 14
(WITH RECYCLED
WATER MARKING)

7 AMI TRANSCEIVER INSTALLED
PER MANUFACTURER
REQUIREMENTS BY DISTRICT

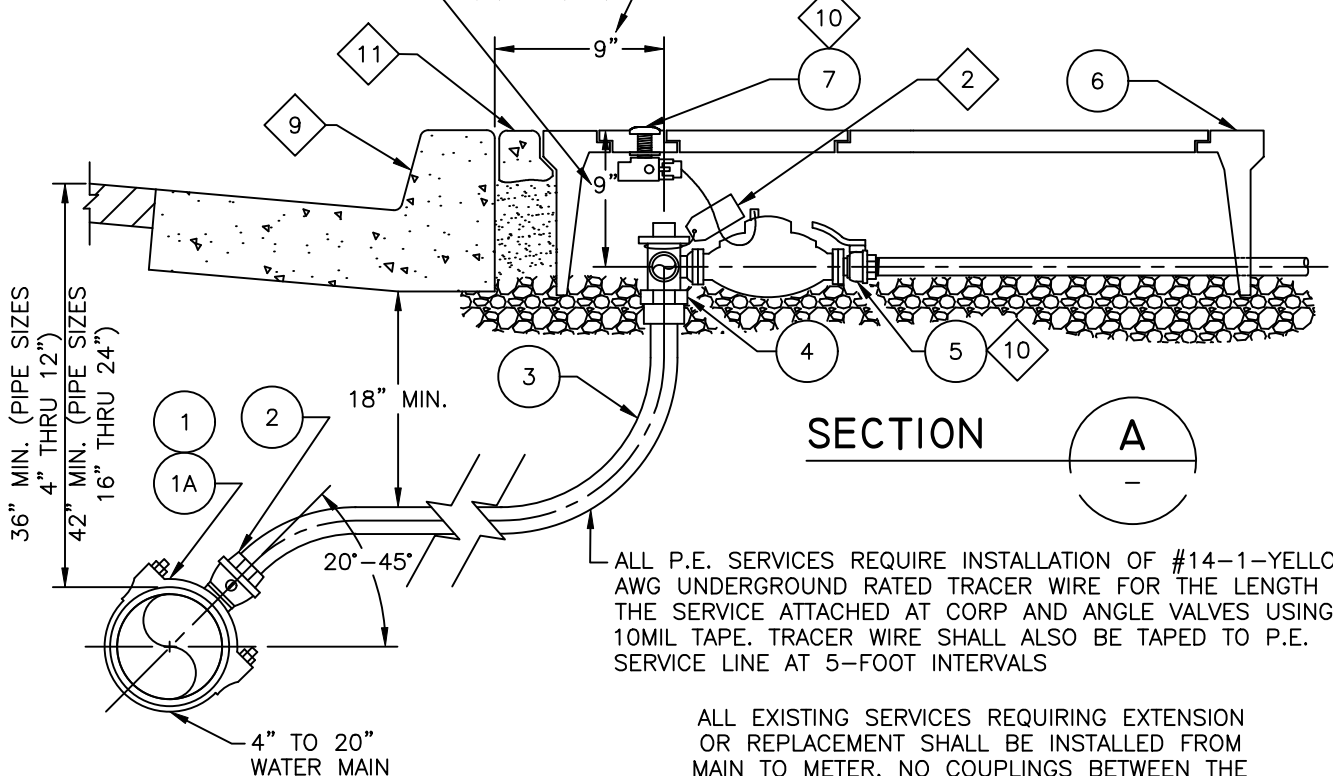
3/4" ANGLE METER STOP AT
6 1/2" CENTER/"BULLHORN"

NOTE: SEE STD. DWG.

R-26 FOR TRENCH REPAIR
AND PIPE BEDDING DETAIL

ANGLE VALVE POSITION DIMENSIONS

(+/- 1/2")



SEE SHEET 2 OF 3 FOR NOTES

SEE SHEET 3 OF 3 FOR LIST OF MATERIALS

3/4" RECYCLED WATER DUAL METER SERVICE FOR ADJOINING RESIDENCES

2022



Yucaipa Valley
Water District

Approved by the Yucaipa
Valley Water District Board of
Directors on December 7, 2021
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Sheet 1 of 3

LIST OF MATERIALS			
ITEM NO.	SIZE & DESCRIPTION	MANUFACTURER	SPEC. NO.
1	DOUBLE STRAP SERVICE SADDLE I.P. OUTLET (FOR D.I.P. MAINS)	FORD JONES MUELLER ROMAC	F202 OR F202B J-979-PIPE O.D. - 1" I.P. BR2B-PIPE O.D.- I.P. 100 202BS-PIPE O.D. - 1" I.P.
1A	CAST SERVICE SADDLE WITH 1" I.P. OUTLET (FOR D.I.P. MAINS)	FORD ROMAC MUELLER	202S-PIPE O.D. - 1" I.P. F-202-PIPE O.D.- 1" I.P. DR2A-PIPE O.D.- I.P. 100
2	1" BRONZE BALL CORPORATION STOP (M.I.P.T. X COMPRESSION)	FORD JONES MUELLER McDONALD	FB1100-4-Q-NL E-1935SG B-25028N 74704BQ
3	1" PURPLE POLYETHYLENE TUBING-CTS	WESFLEX	1" SDR 9 LAVENDER
4	BRONZE BALL ANGLE METER STOP W/LOCKWING (1" COMPRESSION X METER)	FORD JONES McDONALD	BA43-444W-Q-NL E-2613SG 1"x3/4"x7.5" 709U2EW 1"x3/4"x7.5"
5	BRONZE CUSTOMER SERVICE VALVE-METER NUT X F.I.P.	JONES	E-1908
6	METER BOX AND COVER WITH READING LID.	ARMOR CAST	A6001430PCX12 W/ CHANNEL FOR BOLT DOWN COVER-A6000482-H7 LID-A6001643DZ BOX-A6001640PCX12
7	AMI TRANSCEIVER (INSTALLED BY DISTRICT)	SENSUS	SMARTPOINT M2 - MODEL 520M (DUAL PORT) - PIT SET

3/4" RECYCLED WATER DUAL METER SERVICE FOR ADJOINING RESIDENCES

2022



Yucaipa Valley
Water District

Approved by the Yucaipa
Valley Water District Board of
Directors on December 7, 2021
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Sheet 2 of 3

NOTES:

1. SERVICE SADDLE SHALL NOT BE INSTALLED WITHIN 12-INCHES OF VALVE, COUPLING, JOINT OR FITTING.
2. METERS SHALL BE TAGGED. IDENTIFICATION SHALL BE WEATHERPROOF PURPLE PLASTIC, 3-INCHES BY 4-INCHES WITH THE WORDS "WARNING RECYCLED WATER – DO NOT DRINK". IMPRINTING SHALL BE PERMANENT AND BLACK IN COLOR. USE TAGS MANUFACTURED BY T. CHRISTY ENTERPRISES OR APPROVED EQUAL.
3. SET TOP OF METER BOX FLUSH WITH SIDEWALK OR TOP OF CURB AS SHOWN.
4. THE CORPORATION STOP TAP SHALL BE MADE AT A 20°–45° DEGREE ANGLE FROM THE SPRINGLINE OF PIPE.
5. THE WATER SERVICE SHALL EXTEND PERPENDICULAR TO CENTERLINE OF STREET FROM THE WATER MAIN TO THE STOP.
6. METER BOX SHALL BE SET BEHIND CURB WHERE SIDEWALK IS ADJACENT TO CURB, OR IN PARKWAY BETWEEN CURB AND SIDEWALK.
7. ALL CONNECTIONS TO "PURPLE P.E." TUBING SHALL BE 1-INCH CTS (COPPER TUBE SIZE) COMPRESSION FITTINGS.
8. ALL SERVICE LATERALS WILL BE LOCATED AT PROPERTY LINES.
9. LOCATE SERVICE WITH 1-1/2-INCH HIGH "RW" ETCHED IN FACE OF CURB WHERE THE SERVICE CROSSES UNDER THE CURB.
10. WATER METER AND MATERIAL ITEMS 5 AND 7 ARE PROVIDED AND SET BY DISTRICT CREWS AT THE DEVELOPERS EXPENSE.
11. 4-INCH SPACING ON BACK OF CURB TO FACE OF METERBOX. IN APPLICATIONS NOT REQUIRING SIDEWALK, METER BOX IS FLUSH TO BACK OF CURB.

**3/4" RECYCLED WATER DUAL METER SERVICE
FOR ADJOINING RESIDENCES**

2022



Yucaipa Valley
Water District

Approved by the Yucaipa
Valley Water District Board of
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NOTES:

1. SERVICE SADDLE SHALL NOT BE INSTALLED WITHIN 12-INCHES OF VALVE, COUPLING, JOINT OR FITTING.
2. METERS SHALL BE TAGGED. IDENTIFICATION SHALL BE WEATHERPROOF PURPLE PLASTIC, 3-INCHES BY 4-INCHES WITH THE WORDS "WARNING RECYCLED WATER – DO NOT DRINK". IMPRINTING SHALL BE PERMANENT AND BLACK IN COLOR. USE TAGS MANUFACTURED BY T. CHRISTY ENTERPRISES OR APPROVED EQUAL.
3. SET TOP OF METER BOX FLUSH WITH SIDEWALK OR TOP OF CURB AS SHOWN.
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10. WATER METER AND MATERIAL ITEMS 5 AND 7 ARE PROVIDED AND SET BY DISTRICT CREWS AT THE DEVELOPERS EXPENSE.
11. 4-INCH SPACING ON BACK OF CURB TO FACE OF METERBOX. IN APPLICATIONS NOT REQUIRING SIDEWALK, METER BOX IS FLUSH TO BACK OF CURB.

3/4" AND 1" RECYCLED WATER SERVICE

2022



Yucaipa Valley
Water District

Approved by the Yucaipa
Valley Water District Board of
Directors on December 7, 2021
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LIST OF MATERIALS			
ITEM NO.	SIZE & DESCRIPTION	MANUFACTURER	SPEC. NO.
1	DOUBLE STRAP SERVICE SADDLE I.P. OUTLET (FOR D.I.P. MAINS)	FORD JONES ROMAC MUELLER	F202 OR F202B J-979-PIPE O.D. -1" I.P. 202BS-PIPE O.D. -1" I.P. BR2B-PIPE O.D. -I.P. 100
1A	CAST SERVICE SADDLE WITH 1" I.P. OUTLET (FOR D.I.P. MAINS)	FORD ROMAC MUELLER	202S-PIPE O.D. - 1" I.P. 202S-PIPE O.D. -1" I.P. DR2A-PIPE O.D. -I.P. 100
2	1" BRONZE BALL CORPORATION STOP (M.I.P.T. X COMPRESSION)	FORD JONES MUELLER McDONALD	FB1100-4-Q-NL E-1935SG B-25028N 74704BQ
3	1" PURPLE POLYETHYLENE TUBING-CTS	WESFLEX	1" SDR 9 LAVENDER
4	BRONZE BALL ANGLE METER STOP W/LOCKWING (1' COMPRESSION X METER)	FORD JONES MUELLER McDONALD	BA43-444W-Q-NL 1963WSG H-14258N 74602BQ
5	BRONZE CUSTOMER SERVICE VALVE-METER NUT X F.I.P.	JONES	E-1908 B13-444-HT-34-NL
6	METER BOX AND COVER WITH READING LID.	ARMOR CAST	A6001430PCX12 W/ CHANNEL FOR BOLT DOWN A6000482-H7 A6001643DZ A6001640PCX12
7	AMI TRANSCEIVER (INSTALLED BY DISTRICT)	SENSUS	SMARTPOINT M2 - MODEL 520M (DUAL PORT) - PIT SET

3/4" AND 1" RECYCLED WATER SERVICE

2022

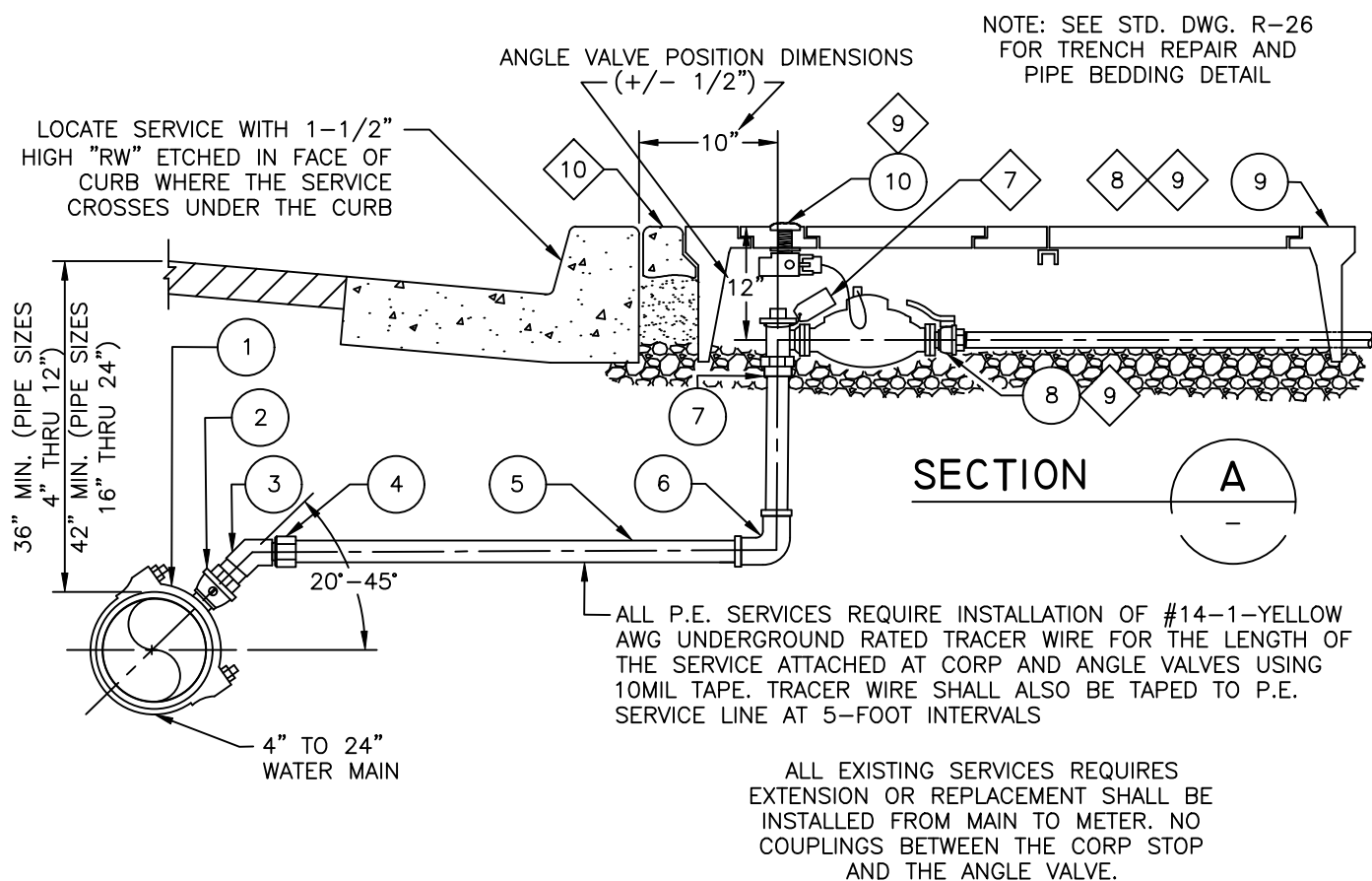
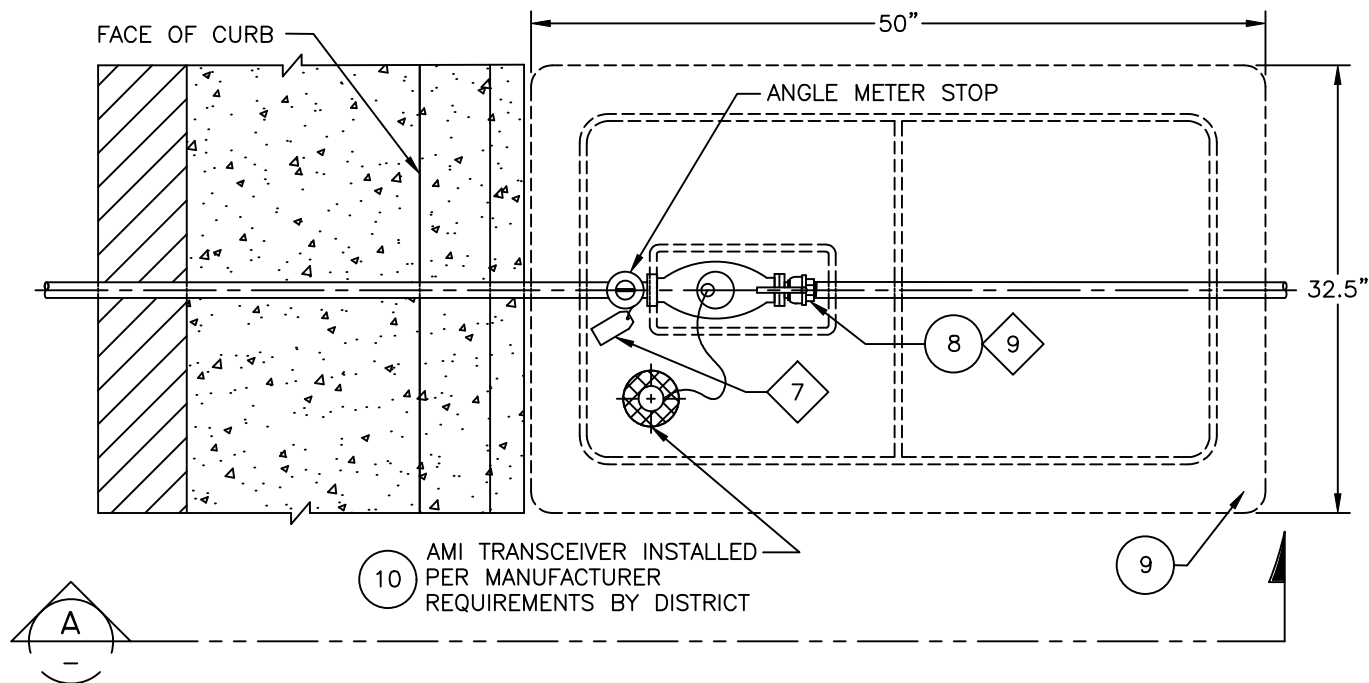


Yucaipa Valley
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SEE SHEET 2 OF 3 FOR NOTES
SEE SHEET 3 OF 3 FOR LIST OF MATERIALS

1-1/2" AND 2" RECYCLED WATER SERVICE

2022



Yucaipa Valley
Water District

Approved by the Yucaipa
Valley Water District Board of
Directors on December 7, 2021
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Sheet 1 of 3

LIST OF MATERIALS			
ITEM NO.	SIZE & DESCRIPTION	MANUFACTURER	SPEC. NO.
1	DOUBLE STRAP SERVICE SADDLE I.P. OUTLET (FOR DUCTILE IRON PIPE MAINS)	FORD JONES ROMAC MUELLER	20213-O.D.-I.P.7 J-979-PIPE O.D.-2" I.P. 202BS-PIPE O.D.-2" I.P. BR2B-PIPE O.D.-I.P. 200
2	BRONZE CORPORATION STOP MIPT X MIPT	FORD JONES MUELLER	FB1102-7-TA-QT67-NL E-1943 B-2969-N
3	45° DEGREE BRASS ELBOW	-	-
4	M.I.P.T. X COMPRESSION ADAPTOR	FORD JONES MUELLER	C84-77Q-NL E-2605SG H-15428N
5	2" POLYETHYLENE TUBING - CTS - PURPLE OR WITH PURPLE POLY SLEEVE WITH INSERTS	MUELLER	-
6	BRASS 90° ELBOW, 2" X 2" COMPRESSION X COMPRESSION	FORD JONES MUELLER	L44-77Q-NL E-2611SG H-15526N
7	BRONZE ANGLE METER STOP W/LOCKWING COMPRESSION CTS X FLANGE 1 1/2" THRU 2" COMBO ANGLE VALVE.	FORD JONES MUELLER	BFA43-777W-NL E-1975W B-24276N
8	BRONZE CUSTOMER SERVICE VALVE-METER FLANGE X F.I.P.	FORD JONES MUELLER	BF13-777W-NLW/H3675 E-1913F B-24337N
9	METER BOX AND COVER WITH READING LID.	ARMOR CAST	A6001430PCX12 W/ CHANNEL FOR BOLT DOWN A6000482-H7 A6001643DZ A6001640PCX12
10	AMI TRANSCEIVER (INSTALLED BY DISTRICT)	SENSUS	SMARTPOINT M2 - MODEL 520M (DUAL PORT) - PIT SET

1-1/2" AND 2" RECYCLED WATER SERVICE

2022



Yucaipa Valley
Water District

Approved by the Yucaipa
Valley Water District Board of
Directors on December 7, 2021
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Sheet 2 of 3

NOTES:

1. SERVICE SADDLE SHALL NOT BE INSTALLED WITHIN 12-INCHES OF VALVE, COUPLING, JOINT OR FITTING.
2. IF PURPLE PE TUBING CAN NOT BE USED, PURPLE POLY-SLEEVE SHALL BE USED AND SECURED AT THE CORP. AND THE ANGLE VALVE WITH 10 MIL. TAPE.
3. SET TOP OF METER BOX FLUSH WITH SIDEWALK OR CURB AS SHOWN.
4. THE CORPORATION STOP TAP SHALL BE MADE AT A 20°-45° DEGREE ANGLE FROM THE SPRINGLINE OF THE PIPE.
5. THE WATER SERVICE SHALL EXTEND PERPENDICULAR TO THE CENTERLINE OF THE STREET FROM THE WATER MAIN TO THE METER STOP.
6. METER BOX SHALL BE SET BEHIND CURB WHERE SIDEWALK IS ADJACENT TO CURB, OR IN PARKWAY BETWEEN CURB AND SIDEWALK.
7. METERS SHALL BE TAGGED. IDENTIFICATION SHALL BE WEATHERPROOF PURPLE PLASTIC, 3-INCHES BY 4-INCHES WITH THE WORDS "WARNING RECYCLED WATER - DO NOT DRINK". IMPRINTING SHALL BE PERMANENT AND BLACK IN COLOR. USE TAGS MANUFACTURED BY T. CHRISTY ENTERPRISES OR APPROVED EQUAL.
8. ALL ONSITE PIPING IS PURPLE SCH. 40 PVC PER YVWD RECYCLED DESIGN AND CONSTRUCTION STANDARDS.
9. WATER METER AND MATERIAL ITEMS 8 AND 10 ARE PROVIDED AND SET BY DISTRICT CREWS AT THE DEVELOPERS EXPENSE.
10. 4-INCH SPACING ON BACK OF CURB TO FACE OF METERBOX. IN APPLICATIONS NOT REQUIRING SIDEWALK, METER BOX IS FLUSH TO BACK OF CURB.

1-1/2" AND 2" RECYCLED WATER SERVICE

2022



Yucaipa Valley
Water District

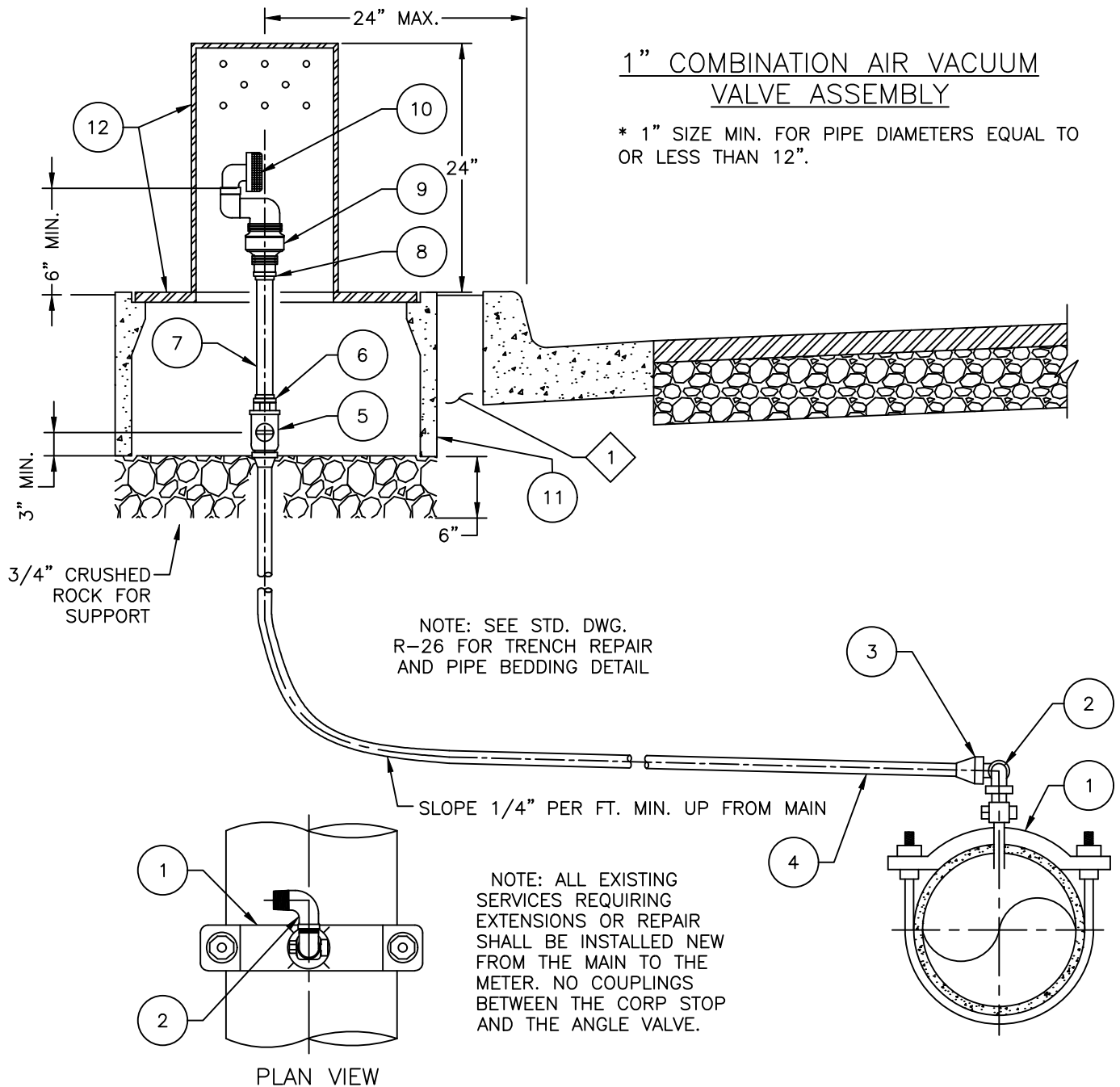
Approved by the Yucaipa
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1" COMBINATION AIR VACUUM VALVE ASSEMBLY

* 1" SIZE MIN. FOR PIPE DIAMETERS EQUAL TO OR LESS THAN 12".



NOTES:

1. 4-INCH SPACING ON BACK OF CURB TO FACE OF METER BOX. IN APPLICATIONS NOT REQUIRING SIDEWALK, METER BOX IS FLUSH TO BACK OF CURB.
2. ALL CONNECTIONS TO CTS P.E. TUBING SHALL BE COMPRESSION FITTINGS.
3. AIR VAC BOX IS TO BE SET PERPENDICULAR TO THE BACK OF THE CURB.

SEE SHEET 2 OF 4 FOR NOTES, LIST OF MATERIALS, AND ADDITIONAL DETAILS

1" RECYCLED WATER AIR AND VACUUM VALVE ASSEMBLY

2022

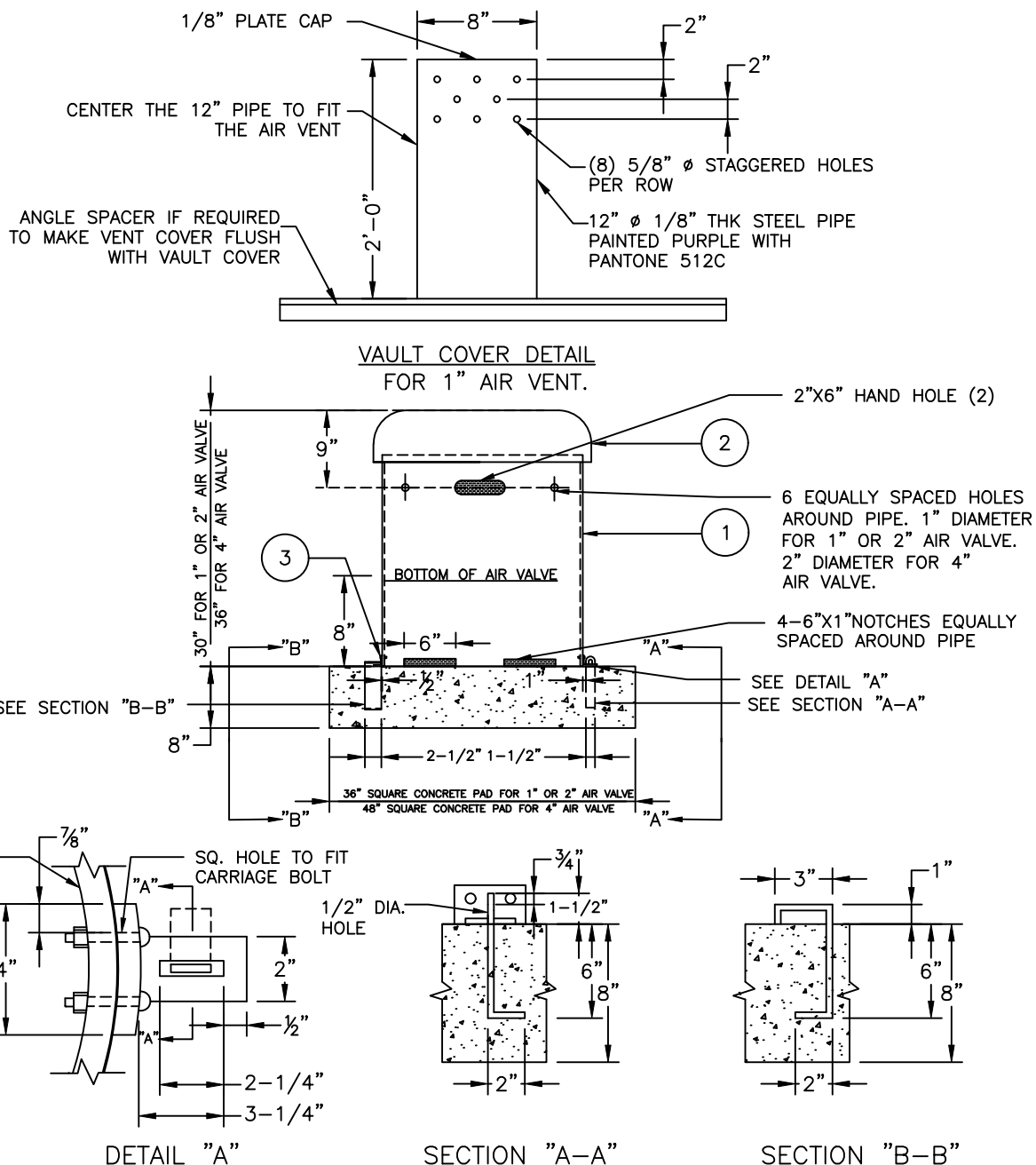


Yucaipa Valley
Water District

Approved by the Yucaipa
Valley Water District Board of
Directors on December 7, 2021
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Sheet 1 of 6



ITEM	DESCRIPTION	APPROVED MATERIAL LIST NO.
1	21" PVC PIPE 100 PSI FOR 1" OR 2" AIR VALVE, 27" PVC PIPE 100 PSI FOR 4" AIR VALVE	H-16
2	PVC SLIP CAP, DIAMETER AS REQUIRED TO FIT PVC PIPE	H-16
3	4" X 2" X 1/4" STEEL PLATE WITH TWO 3/8" DIAMETER CARRIAGE BOLTS	N/A

NOTES

- COVER BRACKETS SHALL BE PAINTED IN ACCORDANCE WITH AGENCY APPROVED PAINT SYSTEMS.
- BRACKETS SHALL BE CONSIDERED OF 1/4" STEEL.

1" RECYCLED WATER AIR AND VACUUM VALVE ASSEMBLY

2022



Yucaipa Valley
Water District

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Sheet 2 of 6

LIST OF MATERIAL

ITEM NO.	SIZE & DESCRIPTION	MANUFACTURER	SPEC. NO.
1	CONNECTION PER YVWD STD. DWG W-4 OFF THE TOP	—	—
2	CORPORATION STOP WITH 2-90° ELBOW SWING JOINTS, BRASS	—	—
3	1" BRONZE BALL CORPORATION STOP (M.I.P.T. X COMPRESSION)	FORD JONES MUELLER McDONALD	FB1100-4-Q-NL J-2607 H-15451 74704BQ
4	1" P.E. TUBING, CTS, PURPLE OR WITH PURPLE POLY SLEEVE AND INSERTS	WESFLEX	1" SDR 9 LAVENDER
5	BRONZE BALL ANGLE METER STOP W/LOCKWING (1" COMPRESSION X METER)	FORD JONES MUELLER McDONALD	BA43-444W-Q-NL J-1921 B-25172 74602BQ
6	1" MPT X 1" SL SCH. 40 ADAPTOR	—	—
7	12" X 1" SCH. 35 PVC	—	—
8	1" FPT X 1" SL SCH. 40 ADAPTOR	—	—
9	COMBINATION AIR VACUUM VALVE - 1"	A.R.I.	S-050
10	BUG SCREEN	A.R.I.	—
11	METER VAULT	AMORCAST	BOX NUMBER A6001640PCX12
12	VAULT COVER	—	—

1" RECYCLED WATER AIR AND VACUUM VALVE ASSEMBLY

2022



Yucaipa Valley
Water District

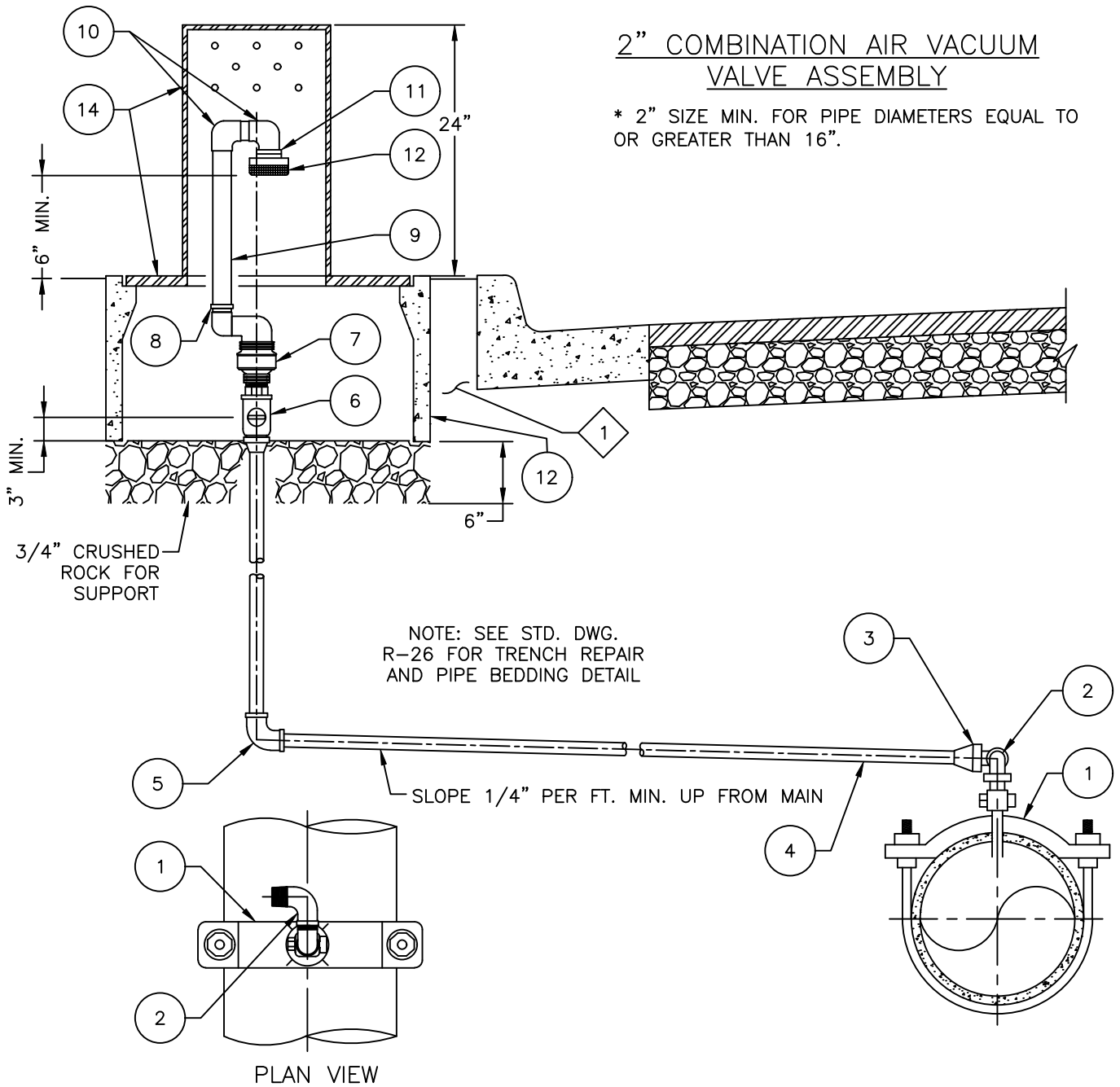
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2" COMBINATION AIR VACUUM VALVE ASSEMBLY

* 2" SIZE MIN. FOR PIPE DIAMETERS EQUAL TO OR GREATER THAN 16".



NOTES

1. 4-INCH SPACING ON BACK OF CURB TO FACE OF METER BOX. IN APPLICATIONS NOT REQUIRING SIDEWALK, METER BOX IS FLUSH TO BACK OF CURB.
2. ALL CONNECTIONS TO CTS P.E. TUBING SHALL BE COMPRESSION FITTINGS.
3. AIR VAC BOX IS TO BE SET PERPENDICULAR TO THE BACK OF THE CURB.

SEE SHEET 4 OF 4 FOR NOTES, LIST OF MATERIALS, AND ADDITIONAL DETAILS

2" RECYCLED WATER AIR AND VACUUM VALVE ASSEMBLY

2022

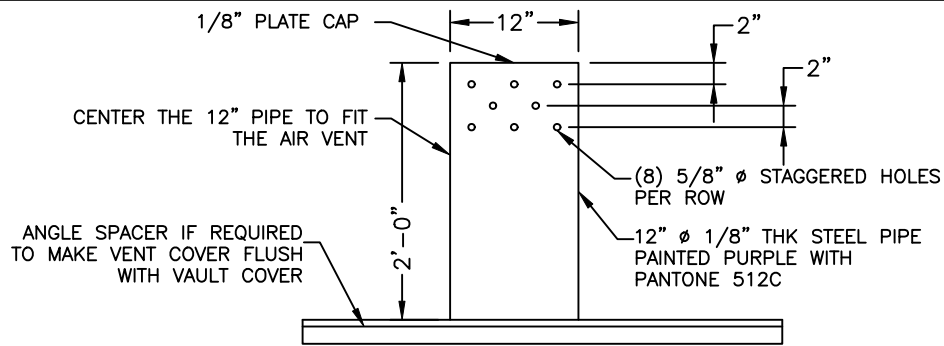


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Water District

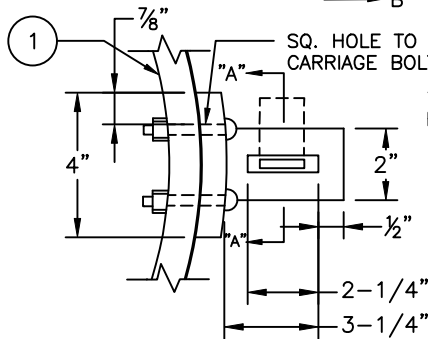
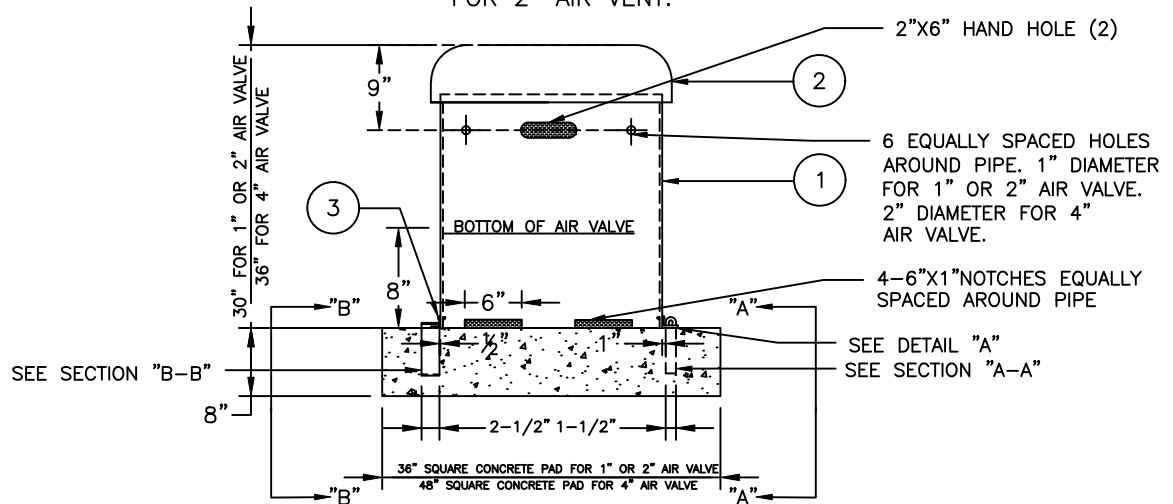
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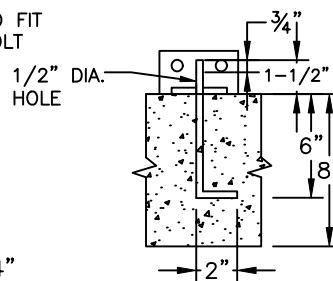
Sheet 4 of 6



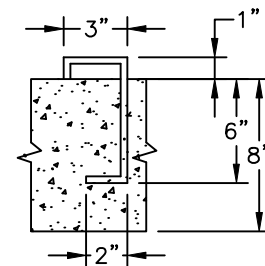
VAULT COVER DETAIL
FOR 2" AIR VENT.



DETAIL "A"



SECTION "A-A"



SECTION "B-B"

ITEM	DESCRIPTION	APPROVED MATERIAL LIST NO.
1	21" PVC PIPE 100 PSI FOR 1" OR 2" AIR VALVE, 27" PVC PIPE 100 PSI FOR 4" AIR VALVE	H-16
2	PVC SLIP CAP, DIAMETER AS REQUIRED TO FIT PVC PIPE	H-16
3	4" X 2" X 1/4" STEEL PLATE WITH TWO 3/8" DIAMETER CARRIAGE BOLTS	N/A

NOTES

- COVER BRACKETS SHALL BE PAINTED IN ACCORDANCE WITH AGENCY APPROVED PAINT SYSTEMS.
- BRACKETS SHALL BE CONSIDERED OF 1/4" STEEL.

2" RECYCLED WATER AIR AND VACUUM VALVE ASSEMBLY

2022



Yucaipa Valley
Water District

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Sheet 5 of 6

LIST OF MATERIAL

ITEM NO.	SIZE & DESCRIPTION	MANUFACTURER	SPEC. NO.
1	CONNECTION BY SIZE PER YVWD STD. DWG W-7 - OFF THE TOP	-	-
2	CORPORATION STOP WITH 2-90° ELBOW SWING JOINTS, BRASS BY SIZE	-	-
3	F.I.P. X COMPRESSION ADAPTOR BY SIZE	FORD JONES MUELLER	C14-77Q-NL J-2607 H-15451
4	TYPE "K" COPPER TUBING, POLY SLEEVED BY SIZE		
5	COMPRESSION X COMPRESSION 90° ELBOW BY SIZE	FORD JONES MUELLER	L44-77Q-NL J-2611 H-15526
6	CURB VALVE-SHUT OFF PARALLEL WITH CURB BY SIZE	FORD JONES MUELLER	BF13-777W-NLW/HB675 J-1921 B-25172
7	COMBINATION AIR VACUUM VALVE - 2"	A.R.I.	D-040
8	12" X 1-1/2" SCH. 35 PVC	-	-
9	1-1/2" SCH. 40 90°		
10	1-1/2" MALE SL X 1-1/2" FPT SCH. 40 COUPLING	-	-
11	COMBINATION AIR VACUUM VALVE - 2"	A.R.I.	D-040
12	BUG SCREEN	A.R.I.	-
13	CONCRETE METER VAULT	J&R EISEL	W-6B 666B
14	VAULT COVER - SEE DETAIL ABOVE	-	-

2" RECYCLED WATER AIR AND VACUUM VALVE ASSEMBLY

2022

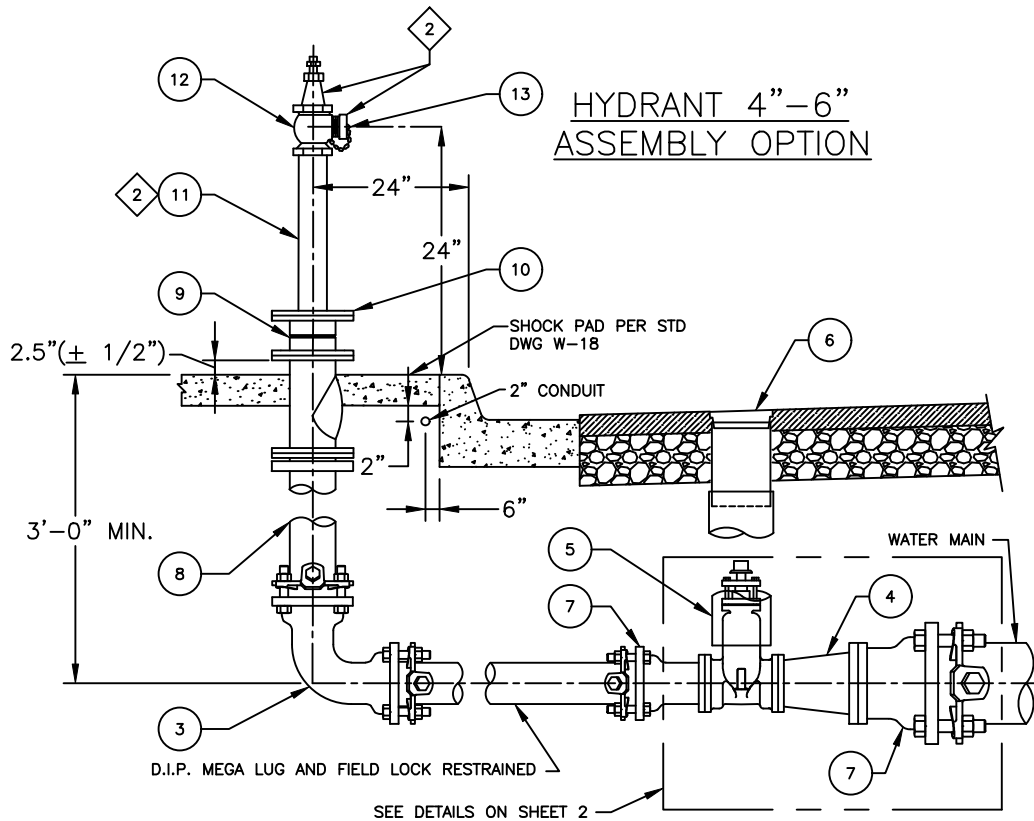


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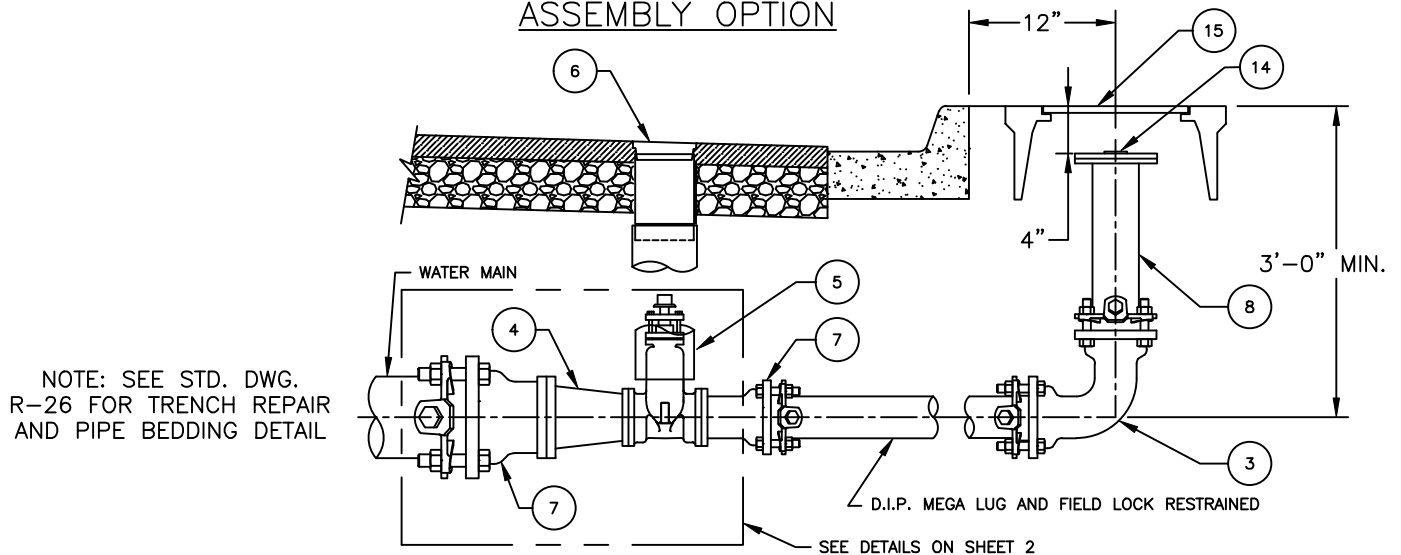
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BLIND FLANGE 4"–6"
ASSEMBLY OPTION



SEE SHEET 3 OF 3 FOR ADDITIONAL NOTES AND LIST OF MATERIALS

4" AND 6" BLOW-OFF ASSEMBLY

2022



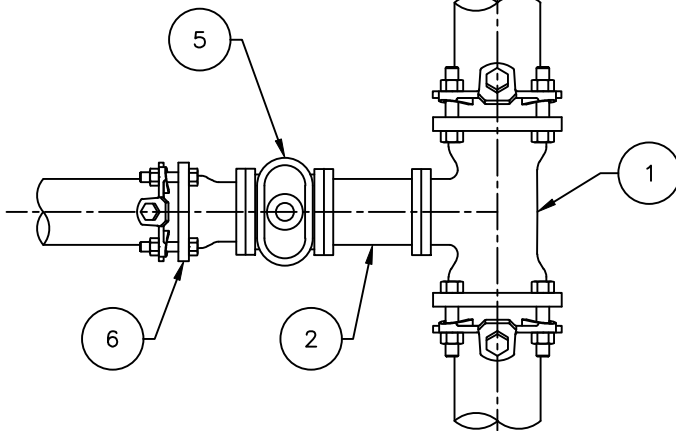
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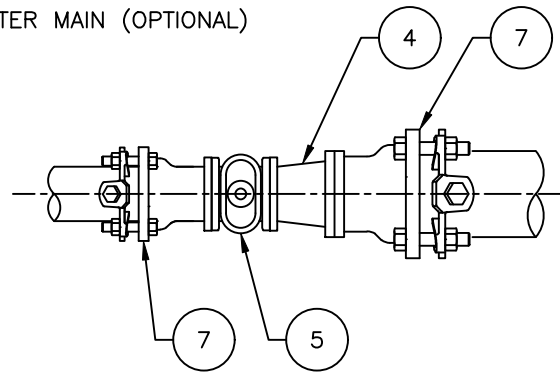
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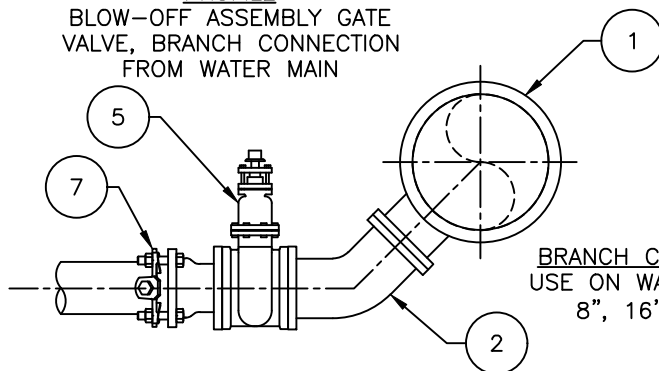
PLAN
BLOW-OFF ASSEMBLY GATE
VALVE, BRANCH CONNECTION
FROM WATER MAIN



PLAN
BLOW-OFF ASSEMBLY GATE
VALVE, END CONNECTION FROM
WATER MAIN (OPTIONAL)

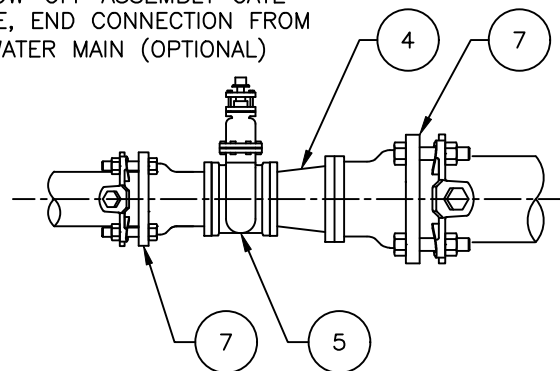


PROFILE
BLOW-OFF ASSEMBLY GATE
VALVE, BRANCH CONNECTION
FROM WATER MAIN

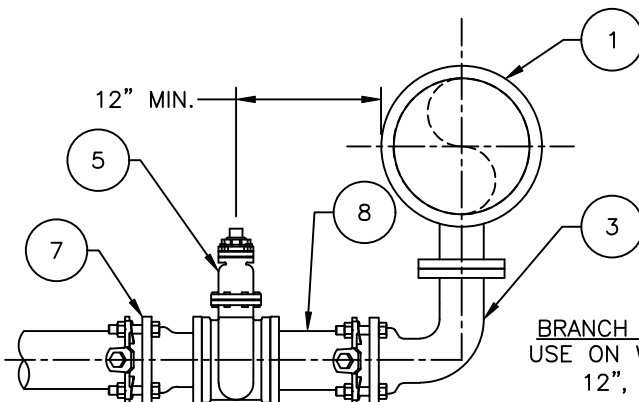


BRANCH CONNECTION CASE A
USE ON WATER MAINS THAT ARE
8", 16" AND 18" ONLY

PROFILE
BLOW-OFF ASSEMBLY GATE
VALVE, END CONNECTION FROM
WATER MAIN (OPTIONAL)



NOTE: SEE STD. DWG. R-26
FOR TRENCH REPAIR AND
PIPE BEDDING DETAIL



BRANCH CONNECTION CASE B
USE ON WATER MAINS THAT ARE
12", 24" AND LARGER

SEE SHEET 3 OF 3 FOR ADDITIONAL NOTES AND LIST OF MATERIALS

4" AND 6" BLOW-OFF ASSEMBLY

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LIST OF MATERIAL

ITEM NO.	SIZE & DESCRIPTION	MANUFACTURER	SPEC. NO.
1	DIP TEE – MJ X MJ X FLG	–	–
2	DIP 45° ELBOW – FLG X MJ WITH MEGA LUG RESTRAINTS	–	–
3	DIP 90° ELBOW – FLG X MJ WITH MEGA LUG RESTRAINTS	–	–
4	DIP FLG X FLG REDUCER	–	–
5	GATE VALVE – FLG X FLG	–	–
6	VALVE BOX PER STD. DWG. W-20	–	–
7	DIP MJ X FLG ADAPTOR	–	–
8	DIP HALF SPOOL – FLG X PE	–	–
9	BREAK OFF VALVE – 8-HOLE	CLOW VALVE CO.	LBI-400A
10	DIP COMPANION FLANGE – 6" (8-HOLE) X 4" THREAD	–	–
11	12" X 4" THREADED GALV. NIPPLE	–	–
12	FIRE PLUG VALVE – 4" X 2-1/2"	JONES	J-344HP
13	CAST IRON HYDRANT CAP WITH CHAIN	–	–
14	4" X 2" FIP THD X COMPANION FLG W/2" BRASS PLUG	–	–
15	METER BOX W/SOLID LID, W/ "RECYCLED" LOGO	AMORCAST	BOX – A6000485 LID – A6000484

NOTES:

1. ALL RECYCLED WATER LINES BELOW GROUND ARE TO BE FULLY BAGGED USING PURPLE POLY SLEEVE.
2. PRIOR TO PAINTING, BLOW-OFFS SHALL BE PREPARED PER SSPC-SP5. PAINT WITH 2 COATS, 3 TO 5 MILS EACH, OF PANTONE 512C SAFETY PURPLE.
3. PROVIDE "BREAK-OFF" RISER AT COMPANION FLANGE. BOLTS FROM THE "BREAK-OFF" TO THE CHECK VALVE ASSEMBLY MUST BE INSTALLED FROM TOP TO BOTTOM.
4. BOTTOM FLUSH INSTALLATION WHERE REQUIRED BY YVWD.
5. BACKFILL UNDER EXISTING CURB WITHIN THE CITY OF YUCAIPA, MUST BE 2 SACK SLURRY PER CITY STANDARDS.
6. ALL HYDRANTS AND BLOW-OFFS SHALL BE LOCATED A MINIMUM OF 3- FEET AWAY FROM THE E.C./B.C. OF DRIVEWAY APPROACHES AND CURB RETURNS FROM INTERSECTIONS.
7. BLOW-OFFS LOCATED HIGHER THAN 4,000 FT ABOVE SEA LEVEL SHOULD BE A DRY BARREL FIRE HYDRANT.

4" AND 6" BLOW-OFF ASSEMBLY

2022

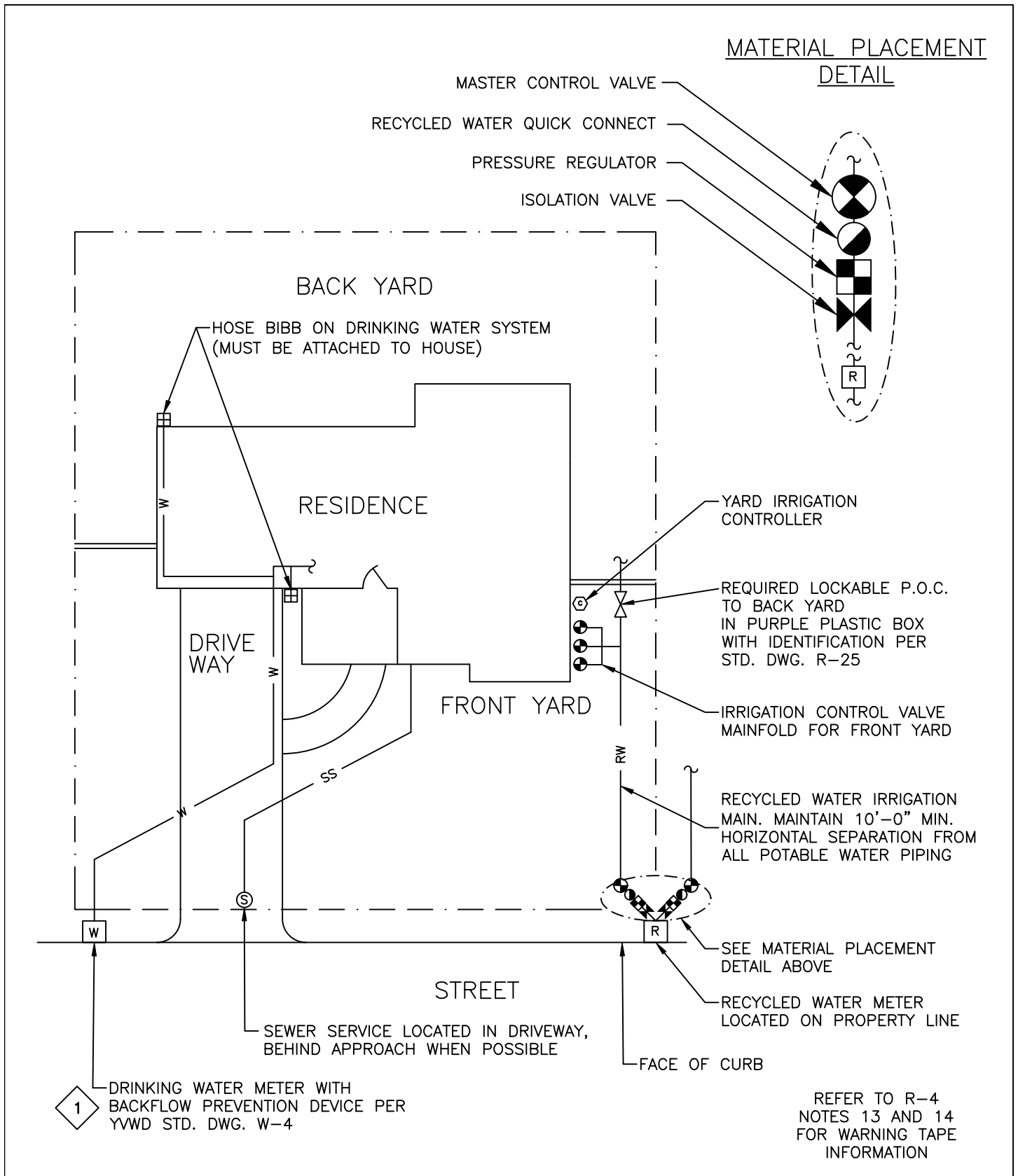


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RESIDENTIAL DUAL PLUMBED SERVICE SCHEMATIC

2022



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NOTES:

1. DRINKING WATER METER SHALL BE LOCATED A MINIMUM OF 10- FEET AWAY FROM THE RECYCLED WATER SERVICE AND SEWER LATERAL, AND 3- FEET AWAY FROM THE E.C./B.C. OF THE DRIVEWAY APPROACH. IF THESE SEPARATIONS ARE NOT POSSIBLE, THE DRINKING WATER METER MAY BE LOCATED WITHIN THE DRIVEWAY BEHIND THE APPROACH BY SPECIAL PERMISSION ONLY.
2. ALL WATER LINES INSTALLED UNDER CONCRETE OR AT POTABLE/RECYCLED WATER LINE CROSSINGS MUST BE SLEEVED. REFER TO STD. DWG. R-4, NOTE 11.
3. ALL RECYCLED WATER LINES AND IDENTIFICATION TAPE GOING UNDER CONCRETE OR OVER POTABLE WATER LINES MUST BE SLEEVED. REFER TO STD. DWG. R-4, 13 AND 14.
4. SITE INSPECTIONS AND BACKFLOW TESTING WILL BE PERFORMED ANNUALLY BY YVWD.
5. CROSS CONNECTION TESTING WILL BE PERFORMED EVERY 4 YEARS.
6. RECYCLED WATER OVERHEAD SPRAY IRRIGATION IS RESTRICTED AND NOT PERMITTED WITHIN 5- FEET OF STRUCTURES AND 2- FEET FROM HARDSCAPES.

RESIDENTIAL DUAL PLUMBED SERVICE SCHEMATIC

2022



Yucaipa Valley
Water District

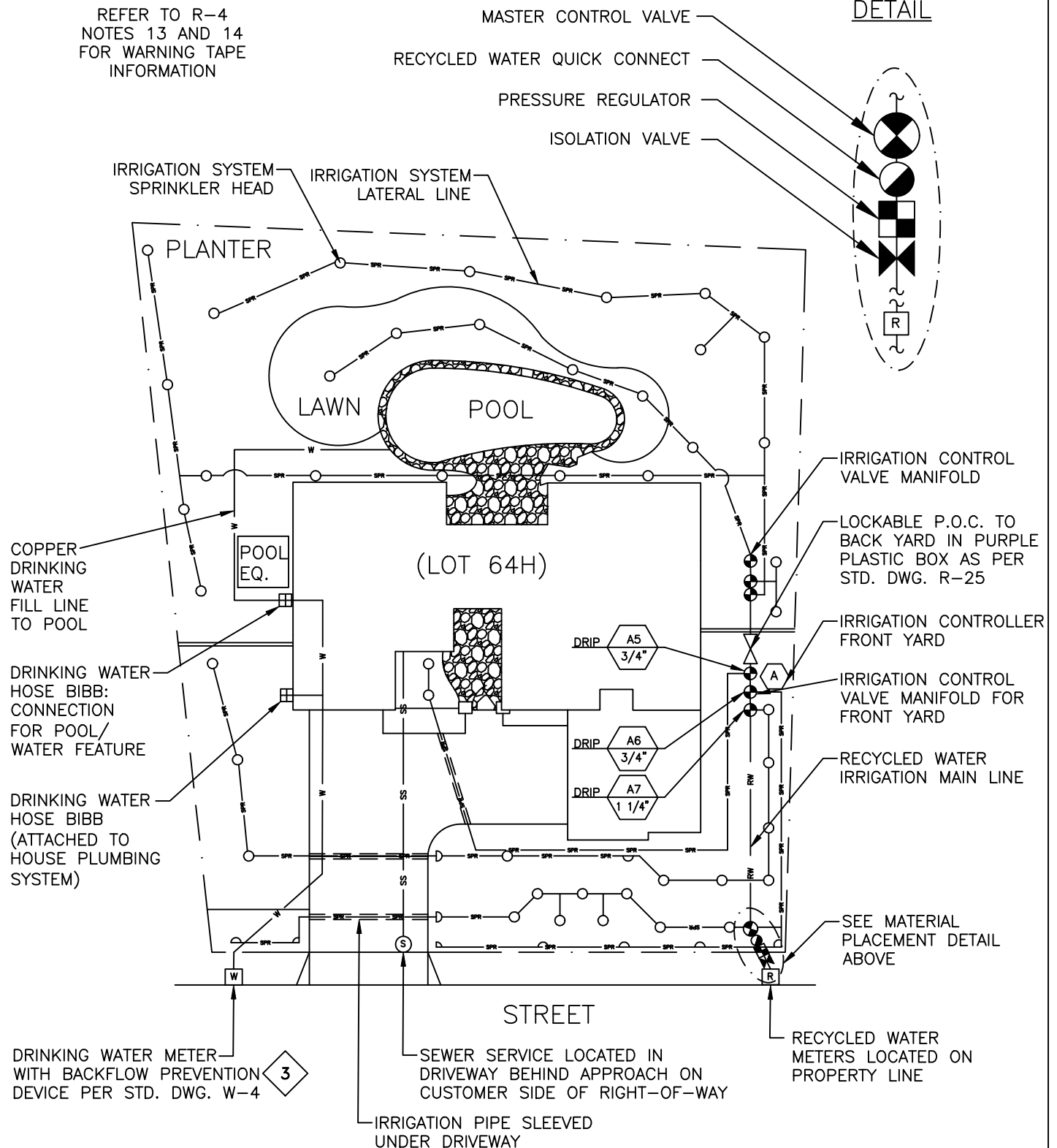
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REFER TO R-4
NOTES 13 AND 14
FOR WARNING TAPE
INFORMATION

MATERIAL PLACEMENT DETAIL



RESIDENTIAL LOT IRRIGATION LAYOUT PLAN SUBMITTAL EXAMPLE

2022



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NOTES:

1. THIS EXAMPLE OF AN IRRIGATION PLAN SUBMITTAL REPRESENTS THE MINIMUM PLAN SUBMITTAL REQUIREMENT.
2. IRRIGATION LEGEND SHALL BE INCLUDED ON THE PLAN. SEE YVWD STD. DWG. R-1 FOR EXAMPLE OF IRRIGATION PLAN LEGEND.
3. DRINKING WATER METER SHALL BE LOCATED A MINIMUM OF 10- FEET AWAY FROM THE RECYCLED WATER SERVICE AND SEWER LATERAL, AND 3- FEET AWAY FROM THE E.C./B.C. OF THE DRIVEWAY APPROACH. IF THESE SEPARATIONS ARE NOT POSSIBLE, THE DRINKING WATER METER MAY BE LOCATED WITHIN THE DRIVEWAY BEHIND THE APPROACH BY SPECIAL PERMISSION ONLY.
3. ALL WATER LINES INSTALLED UNDER CONCRETE OR AT POTABLE/RECYCLED WATER LINE CROSSINGS MUST BE SLEEVED. REFER TO STD. DWG. R-4 NOTE 11 AND 13.
4. SITE INSPECTIONS AND BACKFLOW TESTING WILL BE PERFORMED ANNUALLY BY YVWD CROSS CONNECTION TESTING WILL BE PERFORMED EVERY 4 YEARS.
5. RECYCLED WATER OVERHEAD SPRAY IRRIGATION IS RESTRICTED AND NOT PERMITTED WITHIN 5- FEET OF STRUCTURES AND 2- FEET FROM HARDSCAPES.

RESIDENTIAL LOT IRRIGATION LAYOUT PLAN SUBMITTAL EXAMPLE

2022

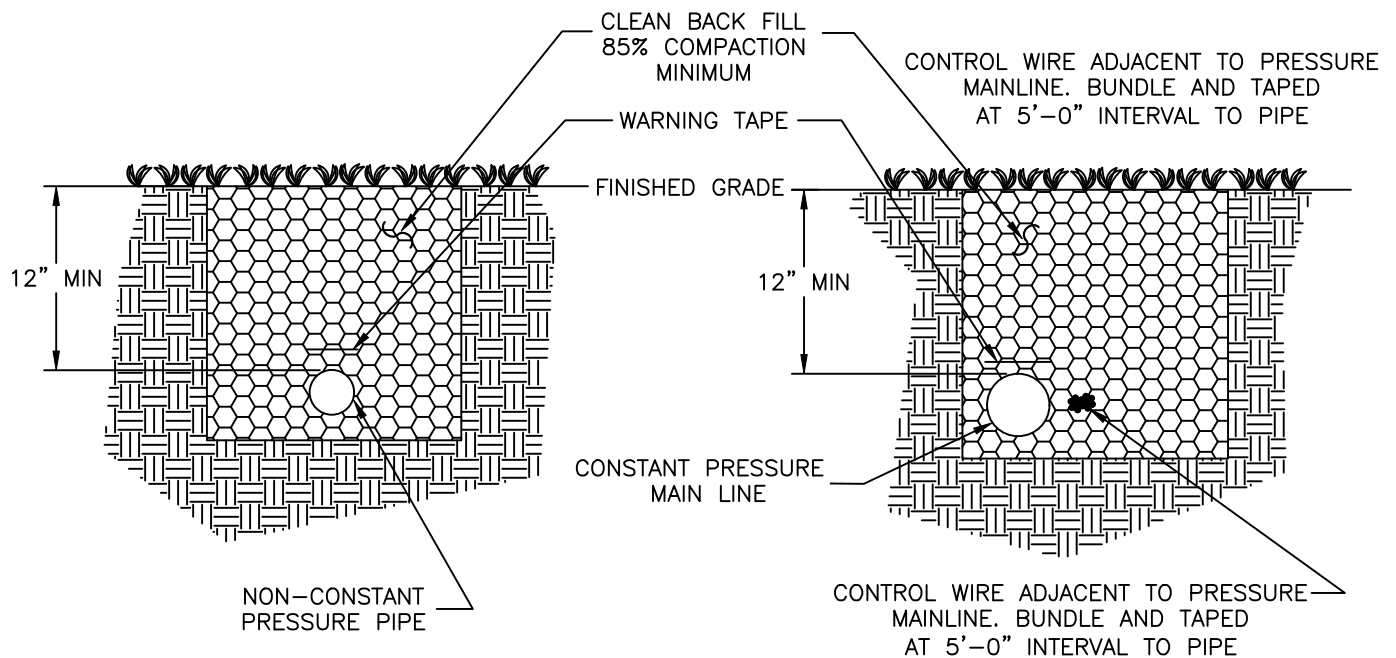


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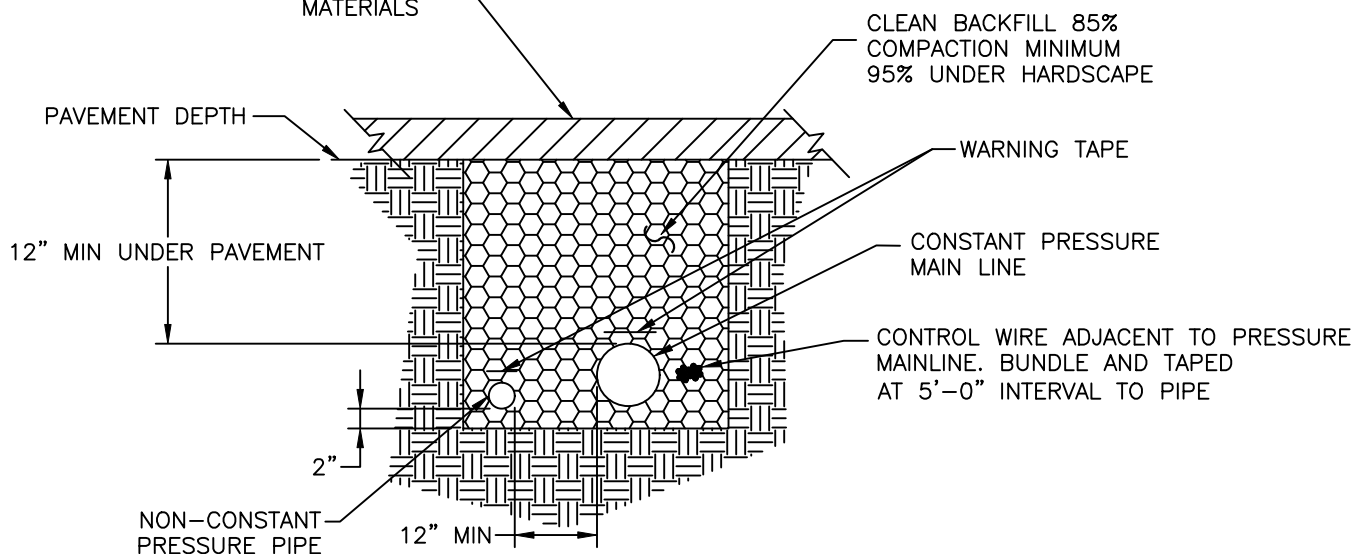
R-21

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LANDSCAPE AREA

FINISH GRADE OF ASPHALT PAVING,
CONCRETE OR OTHER IMPERVIOUS
MATERIALS



PAVING AREA

NOTES:

1. REFER TO YVWD STD. DWG. R-3 AND R-4 NOTES 10 AND 11 FOR SEPARATION REQUIREMENTS AND NOTE 14 FOR PIPE IDENTIFICATION REQUIREMENTS.
2. SLEEVES UNDER CONCRETE ARE REQUIRED. IF INSTALLED USE SCH 40 PUPLE PVC FOR IRRIGATION SLEEVES AND EXTEND 12-INCHES BEYOND EDGE OF PAVING AT BOTH ENDS.

ONSITE IRRIGATION PIPELINE TRENCHING DETAIL FOR PLANNED RECYCLED WATER USE

2022

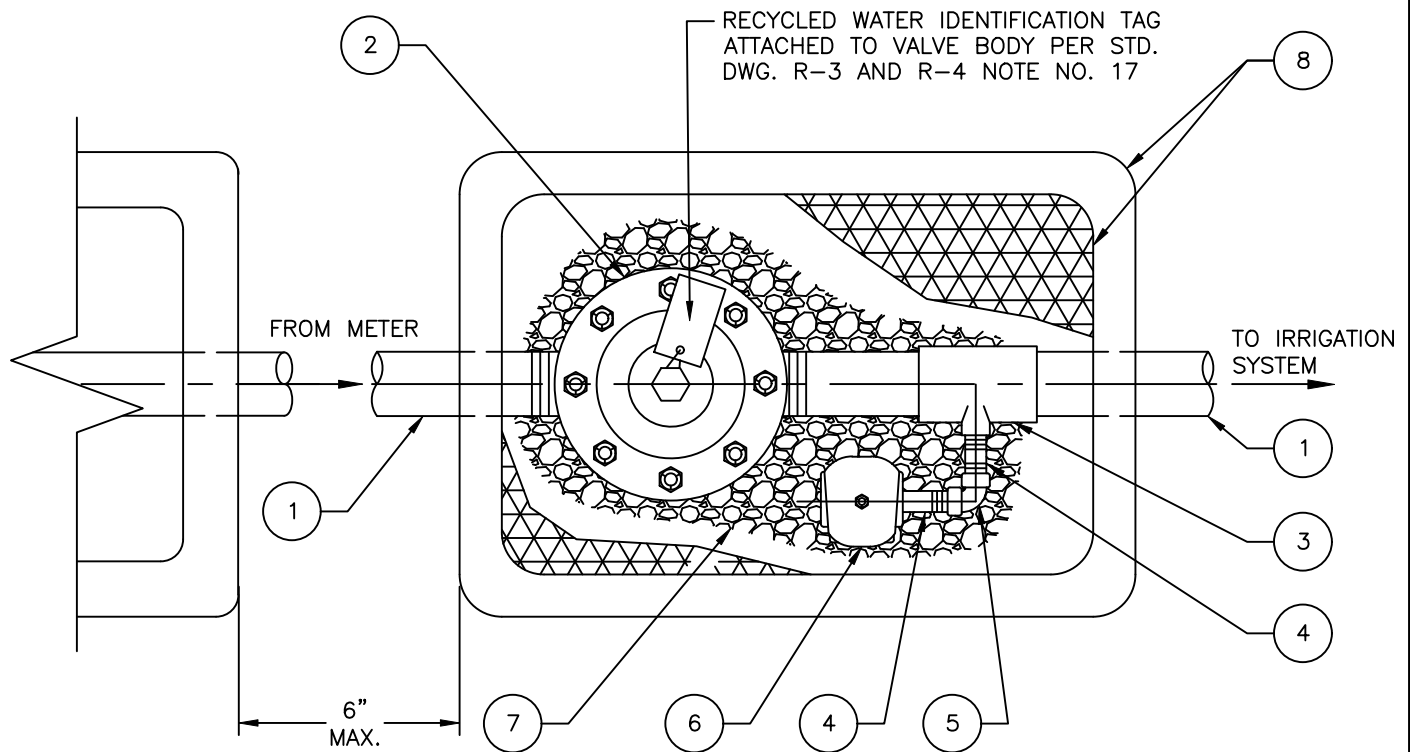


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LIST OF MATERIALS	
ITEM NO.	DESCRIPTION
1	SCH 80 MAINLINE
2	PRESSURE REDUCING REGULATOR AS REQUIRED
3	LINE SIZE X LINE SIZE X 3/4" SCH 80 TEE (SOC X SOC X THD)
4	3/4" SCH 80 NIPPLE
5	3/4" SCH 80 ELBOW (THD X THD)
6	3/4" QUICK COUPLER
7	3/8" DIA. PEA GRAVEL SUMP (MIN. 1 CUBIC FT.)
8	PURPLE COLOR VALVE BOX AND LID

RECYCLED WATER CROSS CONNECTION CONTROL TEST STATION DETAIL

2022



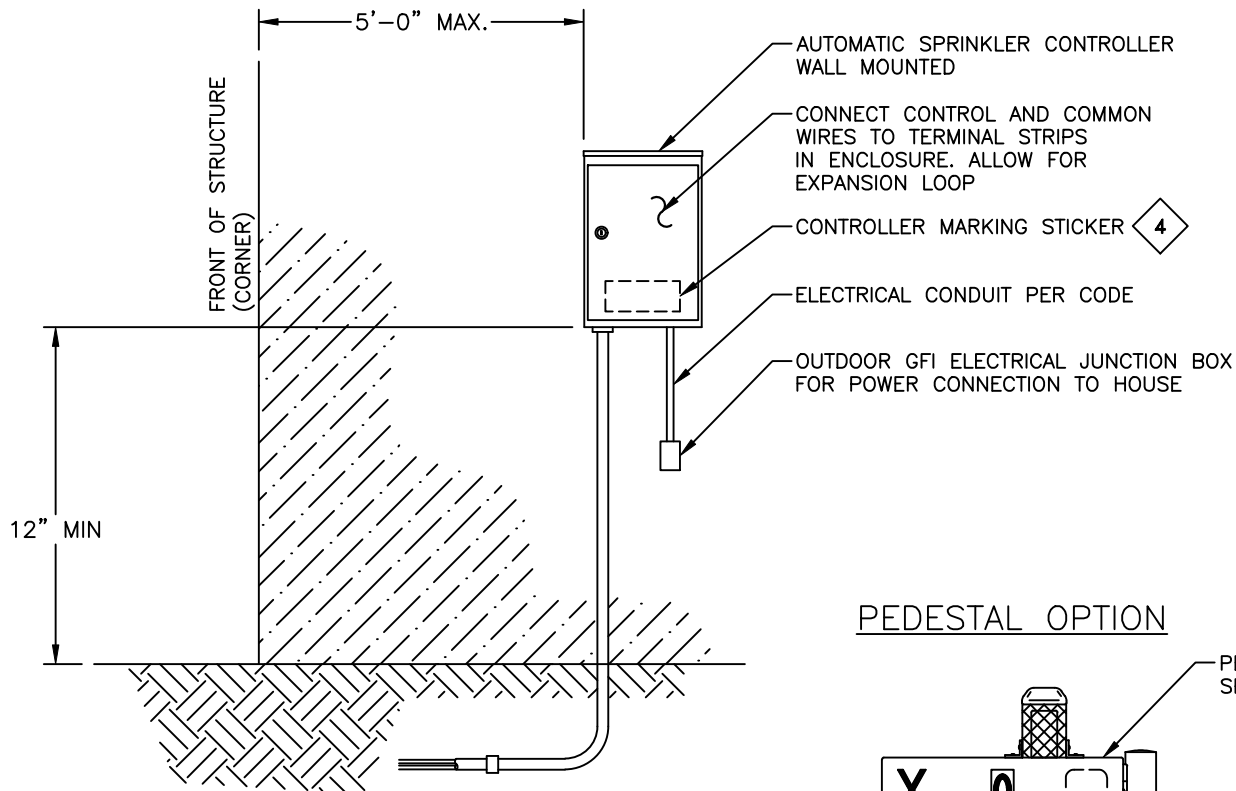
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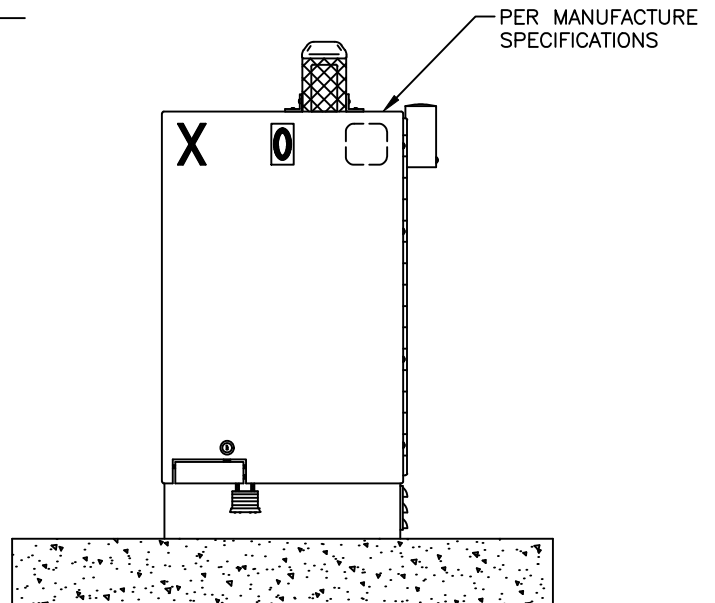
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WALL MOUNT OPTION



PEDESTAL OPTION



NOTES:

1. INSTALL ON/OFF SWITCH FOR ELECTRICAL SUPPLY INSIDE OF CONTROLLER.

2. INSTALL CONTROLLER MARKING STICKER: "ATTENTION – CONTROLLER UNIT FOR RECYCLED WATER" ATTACH STICKER ON CONTROLLER CABINET DOOR. REFER TO CHRISTY'S OR EQUAL.

ONSITE IRRIGATION AUTOMATIC CONTROLLER – WALL MOUNT/ PEDESTAL

2022

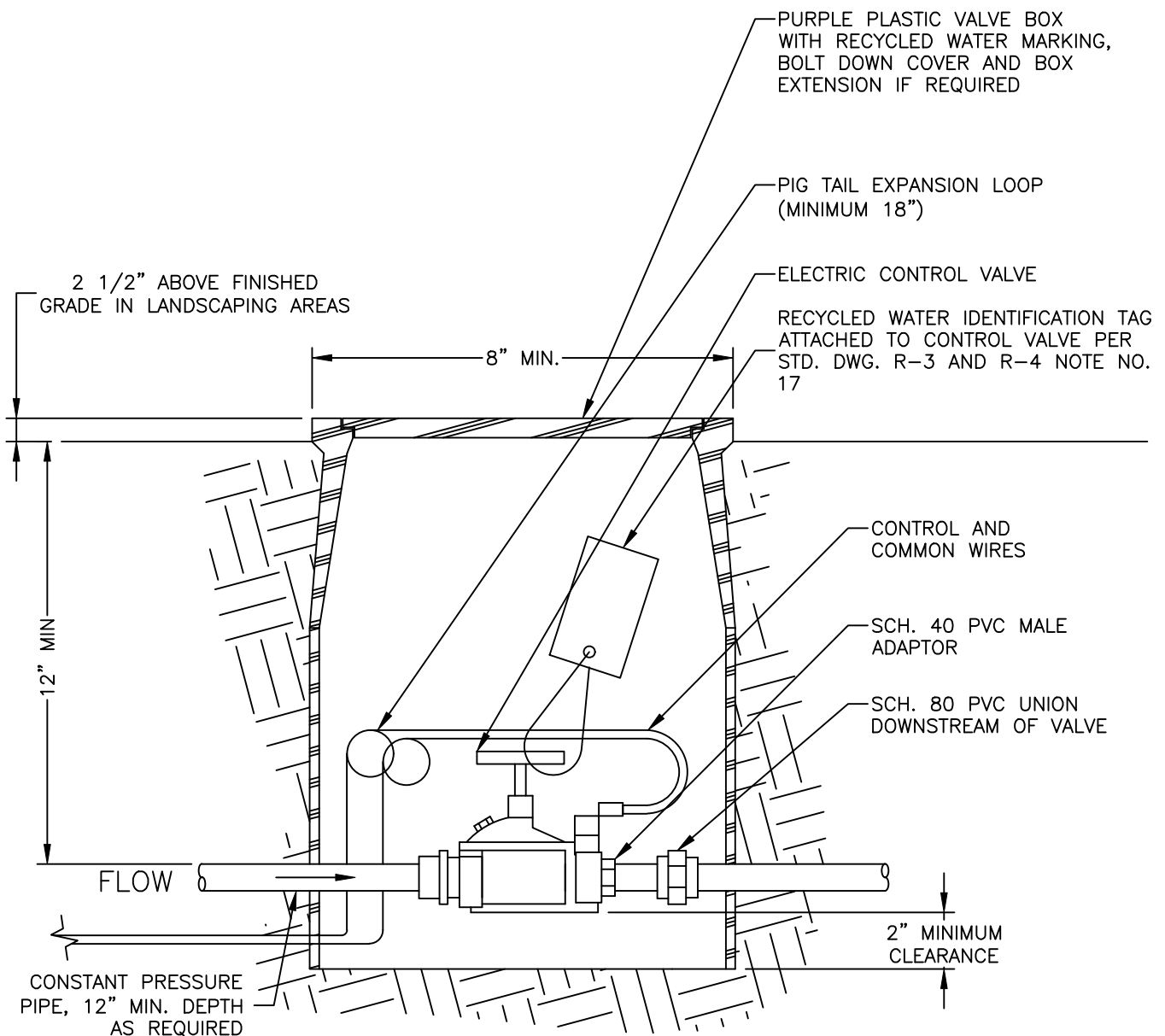


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NOTE:

1. SEE YVWD STD. DWG. R-4 SHEET 2 OF 3 NOTE 17 FOR IDENTIFICATION TAG INFORMATION.

ONSITE IRRIGATION BURIED ELECTRIC REMOTE CONTROL VALVE

2022

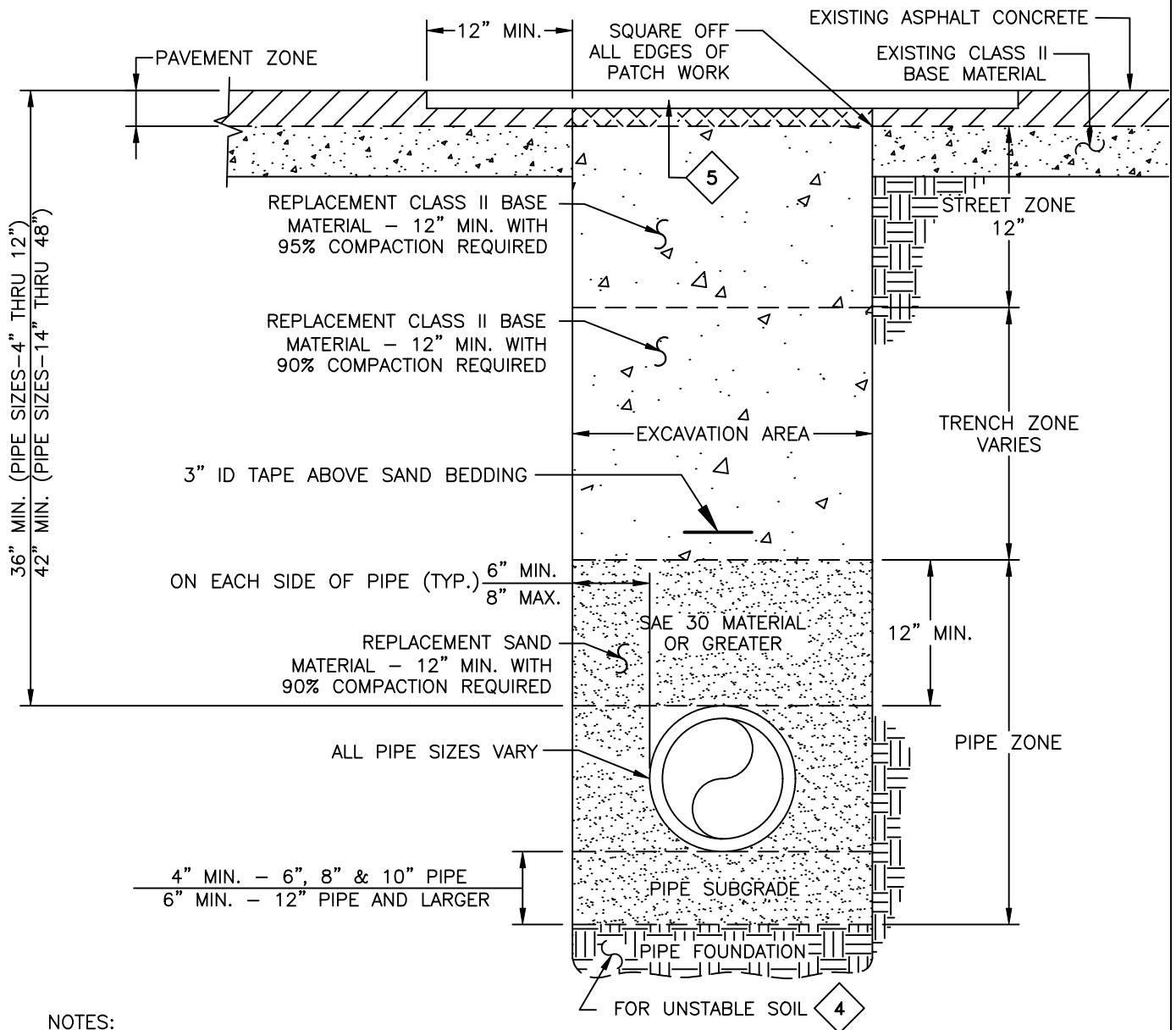


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NOTES:

1. PLANT-MANUFACTURED SAND MATERIAL WITH AN SAE OF 30 OR GREATER SHALL BE USED FOR PIPE ZONE BACK FILL. REMAINING BACK FILL WILL BE IN ACCORDANCE WITH CITY/YVWD REQUIREMENTS (WHICH EVER IS GREATER).
2. BACKFILL UNDER EXISTING CURB WITHIN THE CITY OF YUCAIPA, MUST BE 2 SACK SLURRY PER CITY STANDARDS.
3. ADDITIONAL ARTERIAL STREET BACKFILL MAY BE REQUIRED BY APPROPRIATE CITY JURISDICTION.
4. IF UNSTABLE SOIL IS ENCOUNTERED, DISTRICT REPRESENTATIVE SHALL DETERMINE DEPTH OF REMOVAL AND SIZE OF FOUNDATION ROCK REFILL MATERIAL.
5. 1 1/4" THK MILL & CAP FOR PERMANENT PAVING REQUIREMENTS REFER TO STANDARD SPECIFICATIONS FOR THE APPROPRIATE CITY OR COUNTY OF JURISDICTION.

SEE SHEET 2 OF 2 FOR PIPE VS. TRENCH SIZES.

TRENCH REPAIR AND PIPE BEDDING DETAIL

2022



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TRENCH REPAIR—PIPE SIZE VS TRENCH SIZE		
PIPE SIZE—INCHES (INSIDE DIAMETER)	TRENCH WIDTH—INCHES	
	MINIMUM	MAXIMUM
4	18	24
6	20	30
8	24	32
10	24	36
12	30	36
14	32	42
16	34	42
24	38	46
29	42	46
30	46	48
36	—	—
48	—	—

TRENCH REPAIR DETAIL

2022

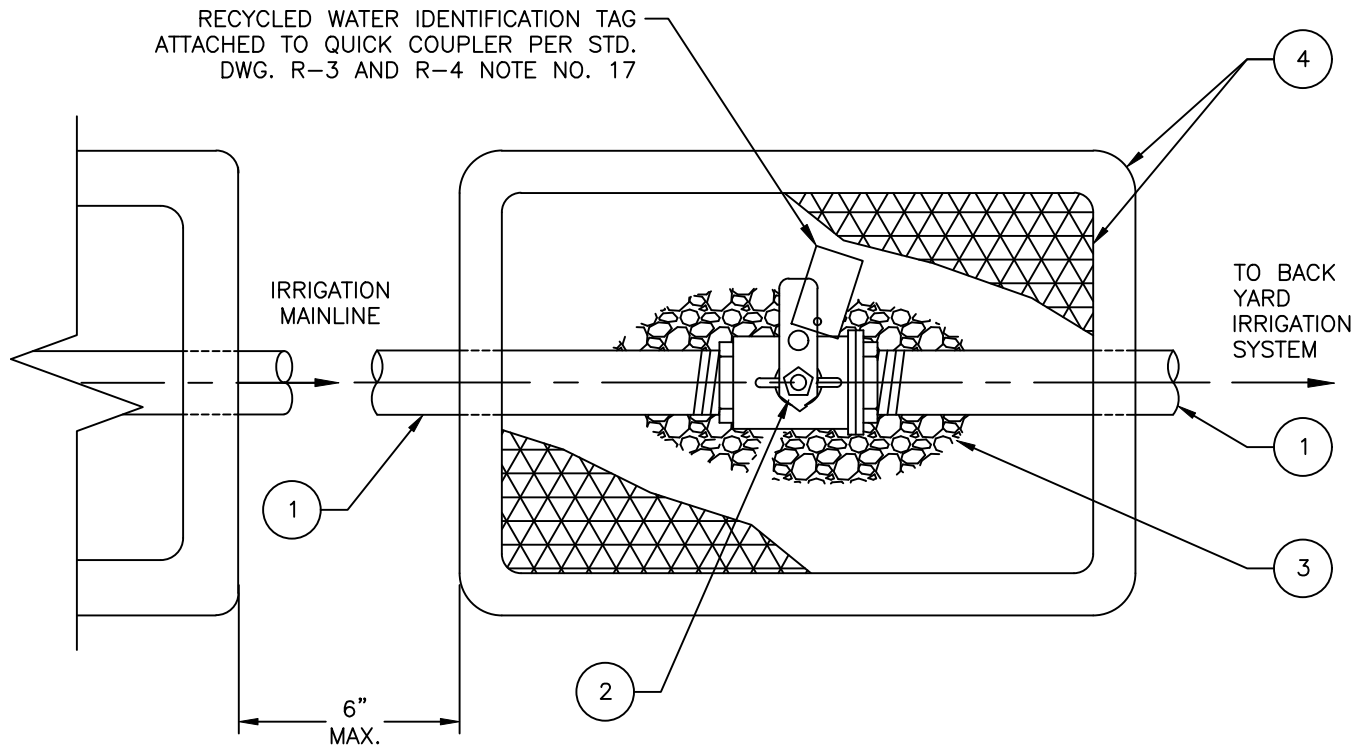


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LIST OF MATERIALS	
ITEM NO.	DESCRIPTION
1	SCH 80 MAINLINE
2	LOCKING BALL VALVE
3	3/8" DIA. PEA GRAVEL SUMP (MIN. 1 CUBIC FT.)
4	PURPLE COLOR VALVE BOX AND LID

LOCKING BALL VALVE FOR FUTURE EXPANSION
TO BACKYARD BY OWNER

2022

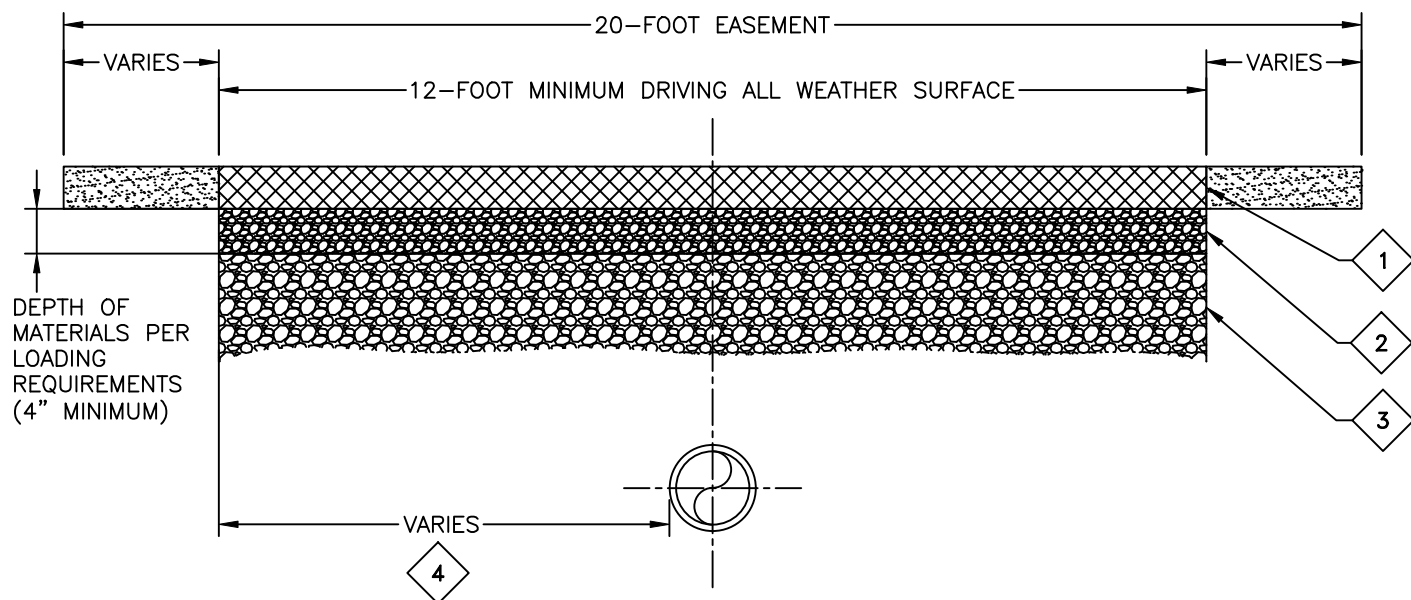


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NOTES:

1. ALL WEATHER SURFACE APPROVED MATERIALS INCLUDE ASPHALT, 3250 PSI CONCRETE, SOIL CEMENT OR OTHER APPROVED DRIVING SURFACE CAPABLE OF SUPPORTING AT LEAST 60,000 POUND VEHICLE ACCESS OVER 2 AXLE OR AS OTHERWISE DETERMINED BY THE DISTRICT.
2. SUBGRADE MATERIALS COMPACTED TO 95% MINIMUM UNLESS OTHERWISE APPROVED.
3. NATIVE OR IMPORTED BACKFILL, COMPACTED TO ENGINEERS SPECIFICATIONS FOR MATERIAL USED AS DRIVING SURFACE.
4. 4-FOOT MINIMUM FROM EDGE OF ALL WEATHER SURFACE WHEN OVER DISTRICT UTILITY LINES.
5. EASEMENTS THAT HAVE ANGLES WILL REQUIRE A TURNING RADIUS. RADIUS POINT WILL BE DETERMINED BY THE DISTRICT.
6. NO PERMANENT WALL, FENCE, VEGETATION, OR STRUCTURE MAY BE CONSTRUCTED ACROSS OR WITHIN THE DISTRICT EASEMENT WITHOUT PRIOR REVIEW AND APPROVAL FROM THE DISTRICT.
7. SLOPE ELEVATION DESIGN WILL BE REVIEWED AND APPROVED BY THE DISTRICT.

TYPICAL DISTRICT EASEMENT

2022



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