

IRRIGATION NOTES:

- 1 IRRIGATION CONTROLLER- 120 VAC POWER TO BE PROVIDED BY OWNER. CONTRACTOR SHALL ROUTE POWER CABLE TO CONTROLLER IN PVC CONDUIT AND MAKE PERMANENT CONNECTION TO THE CONTROLLER. ALL WORK SHALL BE IN ACCORDANCE WITH GOVERNING ORDINANCE AND/OR LOCAL CODE.
- 2 PROVIDE REQUIRED SEPARATION OF POTABLE WATER LINES AND RECYCLED WATER IRRIGATION LINES. WHERE RECYCLED WATER IRRIGATION LINE CROSSES POTABLE SERVICE LINE PROVIDE SLEEVING AS REQUIRED. SEE DETAIL "E4" & "E5" ON SHEET LI-13.
- 3 REMOTE CONTROL VALVE BOXES TO BE HIDDEN FROM CASUAL SIGHT WHEN POSSIBLE. STAKE LOCATION OF ALL VALVES FOR APPROVAL BY LANDSCAPE ARCHITECT AND/OR CITY INSPECTOR PRIOR TO INSTALLATION. (TYP. ALL LOCATIONS)
- 4 SINGLE REMOTE CONTROL VALVES TO BE INSTALLED ON MANIFOLD AND WITHIN 12" RECTANGULAR VALVE BOX. INSTALL NO MORE THAN 5 VALVE BOXES ON ONE MANIFOLD. SEPARATE VALVE MANIFOLDS BY 4' MIN.
- 5 LOCATIONS SHOWN DIAGRAMMATICALLY. ALL EQUIPMENT TO BE INSTALLED WITHIN PLANTING AREAS OR LOCATED AS DIRECTED BY THE LANDSCAPE ARCHITECT OR CITY LANDSCAPE INSPECTOR. ROUTE IRRIGATION MAINLINE AND CONTROL WIRE 12" TO 18" FROM BACK OF CURB OR WALK AS DIRECTED BY THE LANDSCAPE ARCHITECT OR CITY LANDSCAPE INSPECTOR.
- 6 ROADWAY CROSSINGS- MAINLINE, LATERAL LINE AND CONTROL WIRE SLEEVES UNDER ALL PAVINGS. SLEEVES TWO TIMES DIA. OF PIPE, 2" MIN. (TYP.) FULL BOX- CONTROL WIRE SLEEVES UNDER ALL PAVING TO INCLUDE FULL BOX AT ENDS OF SLEEVES. (TYP.)
- 7 SLEEVE IRRIGATION MAINLINE FOR A DISTANCE OF 10 FEET IN BOTH DIRECTIONS AT A CROSS OF A POTABLE WATER LINE. TOTAL SLEEVE LENGTH OF 20 FEET. SEE DETAIL DRAWING "E5", SHEET LI-13.
- 7 HUNTER IND. PROS-06-FRS90 POP-UP BODY AND SF SPRAY NOZZLE FOR SUPPLEMENTAL TREE IRRIGATION. SEE "H" SERIES DETAILS ON SHEET LI-14
- 8 ADJUST HEAD SPACING AND RADIUS-OF-THROW TO AVOID OVERSPRAY OUTSIDE OF INTENDED AREA OF COVERAGE AND OBSTRUCTION BY UTILITY ENCLOSURES.
- 9 HUNTER IND. PROS-12-FRS40 POP-UP BODY OR PROS-00-FRS40 ON RISER AND MP6590 SIDE STRIP SPRAY NOZZLE FOR LANDSCAPE AREAS 3' TO 5' WIDE. SPACE HEADS 11 TO 12 FEET ON CENTER AND ALTERNATE FROM FRONT TO BACK ALONG THE LENGTH OF THE PLANTER. ADJUST RADIUS TO PREVENT OVERSPRAY.
- 10 HUNTER IND. PROS-12-FRS40 POP-UP BODY AND MP6005S NOZZLE FOR LANDSCAPE AREAS 6' TO 10' WIDE. WITH HEAD SPACING EQUAL TO LATERAL SPACINGS. ADJUST RADIUS TO PREVENT OVERSPRAY AND OBSTRUCTIONS.
- 11 HUNTER IND. PROS-12-FRS40 POP-UP BODY AND MP1000 NOZZLE FOR LANDSCAPE AREAS 11' TO 15' WIDE. WITH HEAD SPACING EQUAL TO LATERAL SPACINGS. ADJUST RADIUS TO PREVENT OVERSPRAY AND OBSTRUCTIONS.
- 12 HUNTER IND. PROS-12-FRS40 POP-UP BODY AND MP2000 NOZZLE FOR LANDSCAPE AREAS 15' TO 18' WIDE. WITH HEAD SPACING EQUAL TO LATERAL SPACINGS. ADJUST RADIUS TO PREVENT OVERSPRAY AND OBSTRUCTIONS.
- 13 CHECK VALVES INSTALLED ON LATERAL LINE TO PREVENT MAJORITY OF LATERAL LINE DRAINAGE WHEN ELEVATION DIFFERENTIAL EXCEEDS THE CAPACITY OF IN-HEAD CHECK VALVE.
- 13 SWING CHECK IS TO BE USED WHEN OPERATIONAL FLOW IS FROM LOWER TO HIGHER ELEVATION ONLY.
- 13 SPRING CHECK IS TO BE USED WHEN OPERATIONAL FLOW IS FROM HIGHER TO LOWER ELEVATION.
- 13 IN THE EVENT LOW HEAD DRAINAGE STILL OCCURS SPRING CHECK VALVES ARE TO BE INSTALLED IN THE RISER OR SWING JOINT ASSEMBLIES OF ALL AFFECTED SPRINKLER HEADS. SPRING CHECK VALVES SHALL BE INSTALLED WHERE NEEDED AT NO ADDITIONAL COST TO THE OWNER.

FOR IRRIGATION LEGEND AND NOTES SEE SHEET LI-10.
 FOR IRRIGATION DETAILS SEE SHEETS LI-11 THROUGH LI-14.
 FOR WATER PRESSURE CALCULATIONS, SCHEDULING GUIDELINES AND WATER BUDGET SEE SHEETS LI-15.
 FOR IRRIGATION SPECS SEE SHEETS LI-16, LI-17 & LI-18.

OMISSION STATEMENT:
 THERE ARE NO DRINKING FOUNTAINS, DECORATIVE FOUNTAINS, COMFORT STATIONS, OUTDOOR EATING AREAS, SWIMMING POOLS, PLAYGROUND EQUIPMENT, OR WELLS WITHIN THE LIMITS OF WORK.

INSPECTION NOTE:
 OTAY WATER DISTRICT INSPECTION SHALL BE NOTIFIED FIVE (5) WORKING DAYS PRIOR TO THE START OF CONSTRUCTION AT (619) 670-2241. ALL WORK PERFORMED WITHOUT BENEFIT OF INSPECTION SHALL BE SUBJECT TO REJECTION AND REMOVAL.

R.W. IDENTIFICATION BY COLOR CODING:
 SPRINKLERS, ROTOR HEADS AND OTHER TYPES OF DISPERSION HEADS SHALL HAVE THE EXPOSED SURFACE COLORED PURPLE. THE EXPOSED SURFACE SHALL BE COLORED THROUGH THE USE OF INTEGRALLY MOLDED PURPLE PLASTIC OR PERMANENTLY ATTACHED PURPLE PLASTIC RING OR DISC. ALL SHRUB HEADS SHALL HAVE PURPLE CAPS.
 DECALS AND/OR ADHESIVE LABELS ON RISERS WILL NOT ACCEPTED.

ALL BASE INFORMATION FOR THESE PLANS HAS BEEN OBTAINED FROM THE LANDSCAPE ARCHITECT AND REFLECTS ARCHITECTURAL, CIVIL AND/OR MECHANICAL DESIGN AND/OR PLANS. THE LANDSCAPE ARCHITECT OR IRRIGATION CONSULTANT DEPENDS ON ACCURACY OF THIS OBTAINED INFORMATION. CONTRACTOR MUST FIELD VERIFY ACTUAL LOCATIONS.

CONSTRUCTION RECORD	REFERENCES	BY	REVISIONS	Date	App'd	BENCH MARK
Contractor	OR-837C	HUNSAKER & ASSOC.	EDIT IRING FOR SIDEWALK RE-AUGL & TREE ADJUT	5/11/21	[Signature]	BRASS DISK MARKED "50 CITY ENGR." IN 3/4" IRON PIPE
Inspector	OR-837G	HUNSAKER & ASSOC.	DELETE POC-B MAINLINE CROSSING AT SANTA MAYA	3/18/22	[Signature]	1.5 MILES EAST OF INTX OF MAIN ST. & HERITAGE RD. ON ROCK MOUNTAIN 100' EASTERLY OF PROMONT 10' HIGH REALITY & 1700' SOUTHERLY OF WATER STORAGE FACILITY. (PT# 1339 PER R.O.S. 14841) ELEM-623-310 (NAD83)
Date Completed			FINAL OWD AS-BUILT	5/11/21	[Signature]	
			ADDP AREA @ QUE. ADJ. @ NOL PARK DWYS			

SCALE	Office	Designed By	Drawn By	Checked By	Plans Originally Approved:
Horizontal 1" = 20'	Field	T.P.	T.P.	T.P.	8-30-17
Vertical N/A	Traffic	THOMAS A. PICARD	THOMAS A. PICARD	THOMAS A. PICARD	

LRWS 2019-1116
 OTAY WATER DISTRICT
 PROJECT # D0944-060186
 PZ 624 RPZ 680
 REVIEWED BY: [Signature] DATE: 5/11/21
 NOTE: SIGNATURE EXPIRES ONE (1) YEAR AFTER DATE

"AS-BUILT"
 SIGNED: [Signature] DATE: 3/4/22
 PRINT NAME: THOMAS A PICARD R.L.A. # 4001
 DISCIPLINE: LANDSCAPE ARCHITECT REGIST. EXP. 9/30/23

IT'S THE LAW!
 DIAL BEFORE YOU DIG!
 CALL AT LEAST TWO WORKING DAYS PRIOR TO EXCAVATING
 1-800-227-2600
 UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA
 BEFORE EXCAVATING, THE CONTRACTOR SHALL VERIFY THE LOCATION OF UNDERGROUND UTILITIES BY CONTACTING UTILITY UNDERGROUND SERVICE ALERT AT 1-800-227-2600

REGISTERED LANDSCAPE ARCHITECT
 THOMAS A. PICARD
 9/30/23
 3/4/22

Tributary LA, Inc.
 Landscape Architecture and Planning
 2725 Jefferson Street, Suite 14
 Carlsbad, CA 92008
 760.434.9300 office 760.434.9303 fax

DATE: 4 MAR '22
 SCALE: 1" = 20'
 JOB NO.: 15021
 DRAWN BY: T.P./T.G.M.
 W.O. NO.: OR-837C

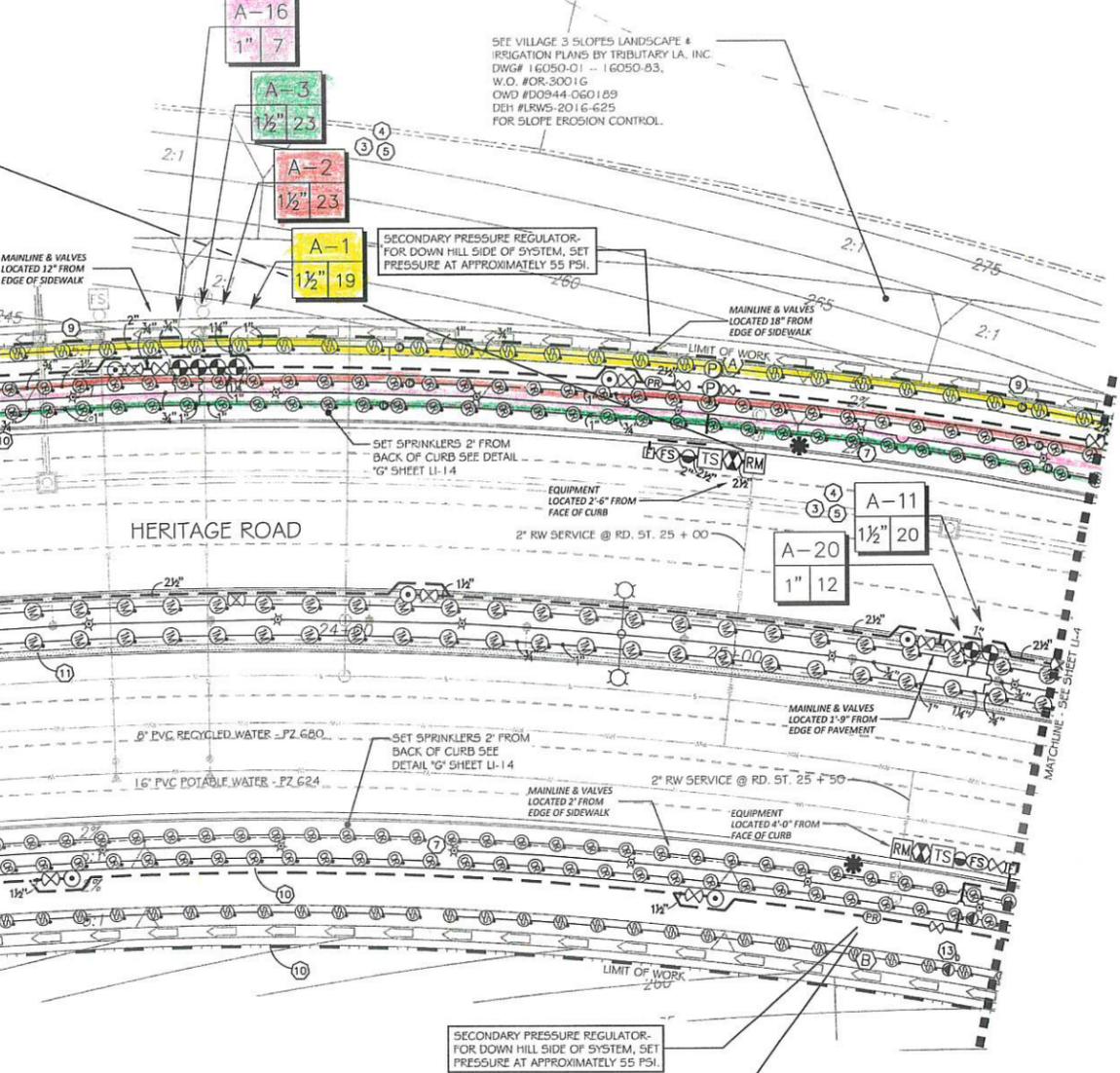
CITY OF CHULA VISTA	OWD WO # D0944-060186	OWD PERMIT # PLR-16-011	OWD Sheet 6 of 20
LANDSCAPE IRRIGATION PLAN FOR: OTAY RANCH VILLAGE 3 HERITAGE ROAD (FROM STA. 10+67.88 TO 56+70.54) CHULA VISTA TRACT NO. 13-02			
LI-4			Sheet 18 of 44

VILLAGE 3 HERITAGE RD. STREET SCAPE PARKWAY AND MEDIAN IRRIGATION POC "A" SYSTEMS TO BE MAINTAINED BY CITY OF CHULA VISTA CFD

1.5" RECYCLED WATER METER
24 STATION CONTROLLER "A"
STATIONS USED: 1-21 / OPEN STATIONS: 22-24
MODEL# SA6-RM2-24 / FSF-150B / 5YR / PMR (W/ PRO-MAX REMOTE)
BY SITEONE GREEN TECH
RECYCLED WATER METER TO BE PURCHASED BY THE DEVELOPER
INSTALLED BY THE OTAY WATER DISTRICT

POC STATISTICS	
METER LOCATION- STAT.PT.	HERITAGE RD. WEST 25+00
POC ELEVATION	255.00 FT.
PRESSURE ZONE	680.00 FT.
STATIC WATER PRESSURE	184.03 PSI
REGULATED PRESSURE	85.00 PSI
MIN. PRESSURE REQUIRED	76.13 PSI
MAX. DEMAND	32 GPM
AREA SERVED	71,449 SQ. FT.
MAWA	6,3487 AC.FT./YR
EWU	4,2325 AC.FT./YR
LATERAL- SEE CIVIL DWGS	2"

POC EQUIPMENT	
1 1/2" WYE STRAINER	
1 1/2" CHECK VALVE	
1 1/2" PRESSURE REGULATOR	
TEST STATION	
1 1/2" MASTER CONTROL VALVE	
1 1/2" FLOW SENSOR	
NOTE: P.O.C. SEQUENCE PER	W.A.S. STD. DWG. WR-03.



IRRIGATION NOTES:

- IRRIGATION CONTROLLER- 120 VAC POWER TO BE PROVIDED BY OWNER. CONTRACTOR SHALL ROUTE POWER CABLE TO CONTROLLER IN PVC CONDUIT AND MAKE PERMANENT CONNECTION TO THE CONTROLLER. ALL WORK SHALL BE IN ACCORDANCE WITH GOVERNING ORDINANCE AND/OR LOCAL CODE.
- PROVIDE REQUIRED SEPARATION OF POTABLE WATER LINES AND RECYCLED WATER IRRIGATION LINES. WHERE RECYCLED WATER IRRIGATION LINE CROSSES POTABLE SERVICE LINE PROVIDE SLEEVING AS REQUIRED. SEE DETAIL "E4" & "E5" ON SHEET U-13.
- REMOTE CONTROL VALVE BOXES TO BE HIDDEN FROM CASUAL SIGHT WHEN POSSIBLE. STAKE LOCATION OF ALL VALVES FOR APPROVAL BY LANDSCAPE ARCHITECT AND OR CITY INSPECTOR PRIOR TO INSTALLATION. (TYP. ALL LOCATIONS)
- SINGLE REMOTE CONTROL VALVES TO BE INSTALLED ON MANIFOLD AND WITHIN 12" RECTANGULAR VALVE BOX. INSTALL NO MORE THAN 5 VALVE BOXES ON ONE MANIFOLD. SEPARATE VALVE MANIFOLDS BY 4' MIN.
- LOCATIONS SHOWN DIAGRAMMATICALLY. ALL EQUIPMENT TO BE INSTALLED WITHIN PLANTING AREAS OR LOCATED AS DIRECTED BY THE LANDSCAPE ARCHITECT OR CITY LANDSCAPE INSPECTOR. ROUTE IRRIGATION MAINLINE AND CONTROL WIRE 12" TO 18" FROM BACK OF CURB OR WALK AS DIRECTED BY THE LANDSCAPE ARCHITECT OR CITY LANDSCAPE INSPECTOR.
- ROADWAY CROSSING- MAINLINE, LATERAL LINE AND CONTROL WIRE SLEEVES UNDER ALL PAVING. SLEEVES TWO TIMES DIA. OF PIPE, 2" MIN. (TYP.) PULL BOX- CONTROL WIRE SLEEVES UNDER ALL PAVING TO INCLUDE PULL BOX AT ENDS OF SLEEVES. (TYP.)
- SLEEVE IRRIGATION MAINLINE FOR A DISTANCE OF 10 FEET IN BOTH DIRECTIONS AT A CROSS OF A POTABLE WATER LINE. TOTAL SLEEVE LENGTH OF 20 FEET. SEE DETAIL DRAWING "E5", SHEET U-13.
- HUNTER IND. PROS-06-PRS30 POP-UP BODY AND 5F SPRAY NOZZLE FOR SUPPLEMENTAL TREE IRRIGATION. SEE "H" SERIES DETAILS ON SHEET U-14
- ADJUST HEAD SPACING AND RADIUS-OF-THROW TO AVOID OVERSPRAY OUTSIDE OF INTENDED AREA OF COVERAGE AND OBSTRUCTION BY UTILITY ENCLOSURES.
- HUNTER IND. PROS-12-PRS40 POP-UP BODY OR PROS-00-PRS40 ON RISER AND MPSS530 SIDE STRIP SPRAY NOZZLE FOR LANDSCAPE AREAS 3' TO 5' WIDE. SPACE HEADS 11 TO 12 FEET ON CENTER AND ALTERNATE FROM FRONT TO BACK ALONG THE LENGTH OF THE PLANTER. ADJUST RADIUS TO PREVENT OVERSPRAY.
- HUNTER IND. PROS-12-PRS40 POP-UP BODY AND MP800SS NOZZLE FOR LANDSCAPE AREAS 6' TO 10' WIDE, WITH HEAD SPACING EQUAL TO LATERAL SPACING. ADJUST RADIUS TO PREVENT OVERSPRAY AND OBSTRUCTIONS.
- HUNTER IND. PROS-12-PRS40 POP-UP BODY AND MP1000 NOZZLE FOR LANDSCAPE AREAS 11' TO 13' WIDE, WITH HEAD SPACING EQUAL TO LATERAL SPACING. ADJUST RADIUS TO PREVENT OVERSPRAY AND OBSTRUCTIONS.
- HUNTER IND. PROS-12-PRS40 POP-UP BODY AND MP2000 NOZZLE FOR LANDSCAPE AREAS 15' TO 18' WIDE, WITH HEAD SPACING EQUAL TO LATERAL SPACING. ADJUST RADIUS TO PREVENT OVERSPRAY AND OBSTRUCTIONS.
- CHECK VALVES INSTALLED ON LATERAL LINE TO PREVENT MAJORITY OF LATERAL LINE DRAINAGE WHEN ELEVATION DIFFERENTIAL EXCEEDS THE CAPACITY OF IN-HEAD CHECK VALVE.
- SWING CHECK IS TO BE USED WHEN OPERATIONAL FLOW IS FROM LOWER TO HIGHER ELEVATION ONLY.
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DECALS AND/OR ADHESIVE LABELS ARE NOT ACCEPTABLE.

INSPECTION NOTE
THE OTAY WATER DISTRICT SHALL BE NOTIFIED 5 WORKING DAYS PRIOR TO CONSTRUCTION AT (619) 670-2241. ALL WORK PERFORMED WITHOUT BENEFIT OF INSPECTION SHALL BE SUBJECT TO REJECTION AND REMOVAL.

OMISSION STATEMENT
NO DECORATIVE FOUNTAINS, DRINKING FOUNTAINS, PLAY GROUNDS, SWIMMING POOLS OR OUTDOOR EATING FACILITIES OR WELLS KNOWN TO EXIST WITHIN LIMITS OF WORK.

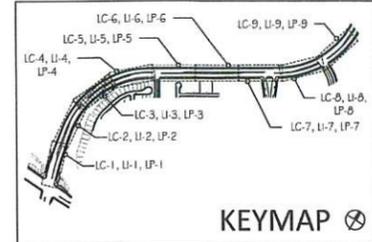
SPECIAL NOTES:
ALL SCREENED FACILITIES ARE EXISTING OR PROPOSED PER CIVIL PLANS. TRIBUTARY LA LANDSCAPE ARCHITECTURE CANNOT VERIFY ALL LOCATIONS. CONTRACTOR MUST FIELD VERIFY ACTUAL LOCATIONS.

VILLAGE 3 HERITAGE RD. STREET SCAPE PARKWAY IRRIGATION POC "B" SYSTEMS TO BE MAINTAINED BY CITY OF CHULA VISTA CFD

1.5" RECYCLED WATER METER
18 STATION CONTROLLER "B"
STATIONS USED: 1-15 / OPEN STATIONS: 16-18
MODEL# SA6-RM2-18 / FSF-150B / 5YR / PMR (W/ PRO-MAX REMOTE)
BY SITEONE GREEN TECH
RECYCLED WATER METER TO BE PURCHASED BY THE DEVELOPER
INSTALLED BY THE OTAY WATER DISTRICT

POC STATISTICS	
METER LOCATION- STAT.PT.	HERITAGE RD. EAST 25+50
POC ELEVATION	280.00 FT.
PRESSURE ZONE	680.00 FT.
STATIC WATER PRESSURE	181.86 PSI
REGULATED PRESSURE	100.00 PSI
MIN. PRESSURE REQUIRED	90.32 PSI
MAX. DEMAND	31 GPM
AREA SERVED	52,724 SQ. FT.
MAWA	4,6849 AC.FT./YR
EWU	3,1232 AC.FT./YR
LATERAL- SEE CIVIL DWGS	2"

POC EQUIPMENT	
1 1/2" WYE STRAINER	
1 1/2" CHECK VALVE	
1 1/2" PRESSURE REGULATOR	
TEST STATION	
1 1/2" MASTER CONTROL VALVE	
1 1/2" FLOW SENSOR	
NOTE: P.O.C. SEQUENCE PER	W.A.S. STD. DWG. WR-03.



LRWS 2019-1116

OTAY WATER DISTRICT
PROJECT # D0944-060186
PZ 624 RPZ 680

SIGNED: *[Signature]* DATE: 4/19/21

PRINT NAME: THOMAS A PICARD R.L.A. # 4001

REVIEWED BY: *[Signature]* DATE: 5/11/21

NOTE: SIGNATURE EXPIRES ONE (1) YEAR AFTER DATE

"AS-BUILT"

IT'S THE LAW! DIAL BEFORE YOU DIG!

CALL AT LEAST TWO WORKING DAYS PRIOR TO EXCAVATING
1-800-227-2600

UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA

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REGIST. EXP. 9/30/21

LANDSCAPE ARCHITECT

THOMAS A. PICARD

REGISTERED LANDSCAPE ARCHITECT
CALIFORNIA

Tributary LA, Inc.
Landscape Architecture and Planning

2725 Jefferson Street, Suite 14
Carlsbad, CA 92008
760.434.9300 office 760.434.9303 fax

DATE: 19 APR '21
SCALE: 1" = 20'
JOB NO. 15021
DRAWN BY: T.P./T.G.M.
W.O. NO. OR-837C

CONTRACTOR	OR-837C	HUNSAKER & ASSOC.	REVISIONS	DATE	APP'D	DESCRIPTION	SCALE	Office	Designed By	Drawn By	Checked By	Plans Originally Approved:	8-30-17	CITY OF CHULA VISTA	DWG NO. 16044-17
INSPECTOR	OR-837G	HUNSAKER & ASSOC.	EDIT BRIG. FOR TEMP. SYSTEM AND RE-LOCATED TREES	3/18/21	[Signature]	BRASS LEG MARKED "50 CITY ENGR." IN 3/4" DIA. 1.5" DIAMETER HOOP CLOSURE OF PROMINENT 10" HIGH SHOULDER & 1700' SOUTHERLY OF WATER STORAGE FACILITY. (PZ 1359 PER R.O.S. 1641) (REVISED BY: [Signature])	Horizontal 1" = 20'	Field	T.P.	T.G./A.P.	T.P.	Plans Prepared Under Supervision Of	Date: 4/19/21	OTAY RANCH VILLAGE 3 HERITAGE ROAD (FROM STA. 10+67.88 TO 56+70.54) CHULA VISTA TRACT NO. 13-02	LI-3 Sheet 17 of 44
DATE COMPLETED			FINAL OWD AS-BUILT	5/11/21	[Signature]		Vertical 1/4" = 1'	Traffic	THOMAS A. PICARD	R.L.A. No. 4001		Approved: [Signature]	Date: 5/11/21	REPLACEMENT SHEET	OWD WO # D0944-060186 OWD PERMIT #PLR-16-011 OWD Sheet 5 of 20