

**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 CROSSING- MAINLINE, LATERAL LINE AND CONTROL WIRE SLEEVES UNDER ALL PAVING. 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)
- 6 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. PRO5-06-PR530 POP-UP BODY AND 5F 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. PRO5-12-PR540 POP-UP BODY OR PRO5-00-PR540 ON RISER AND MP55530 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. PRO5-12-PR540 POP-UP BODY AND MP80055 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. PRO5-12-PR540 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.
- 12 HUNTER IND. PRO5-12-PR540 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.
- 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.
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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.

LANDSCAPE ARCHITECT TO CONVERT FIELD REDLINES OF CONSTRUCTION CHANGES TO BLACK LINES ON THIS DRAWING SET, AND SUBMIT TO OWD FOR REVIEW AND APPROVAL.

LRWS 2019-1116  
 OTAY WATER DISTRICT  
 PROJECT # D0944-060186  
 PZ G24 RPZ G60  
 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

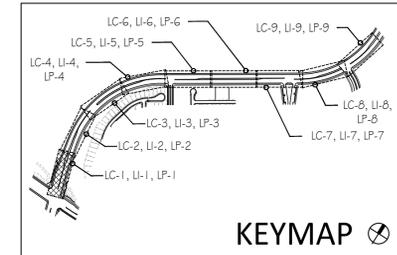
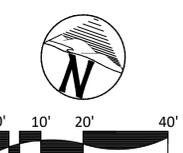
"AS-BUILT"  
 SIGNED: *[Signature]* DATE: 4/19/21  
 PRINT NAME: THOMAS A PICARD R.L.A. # 4001  
 DISCIPLINE: LANDSCAPE ARCHITECT  
 REGIST. EXP. 9/30/23

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

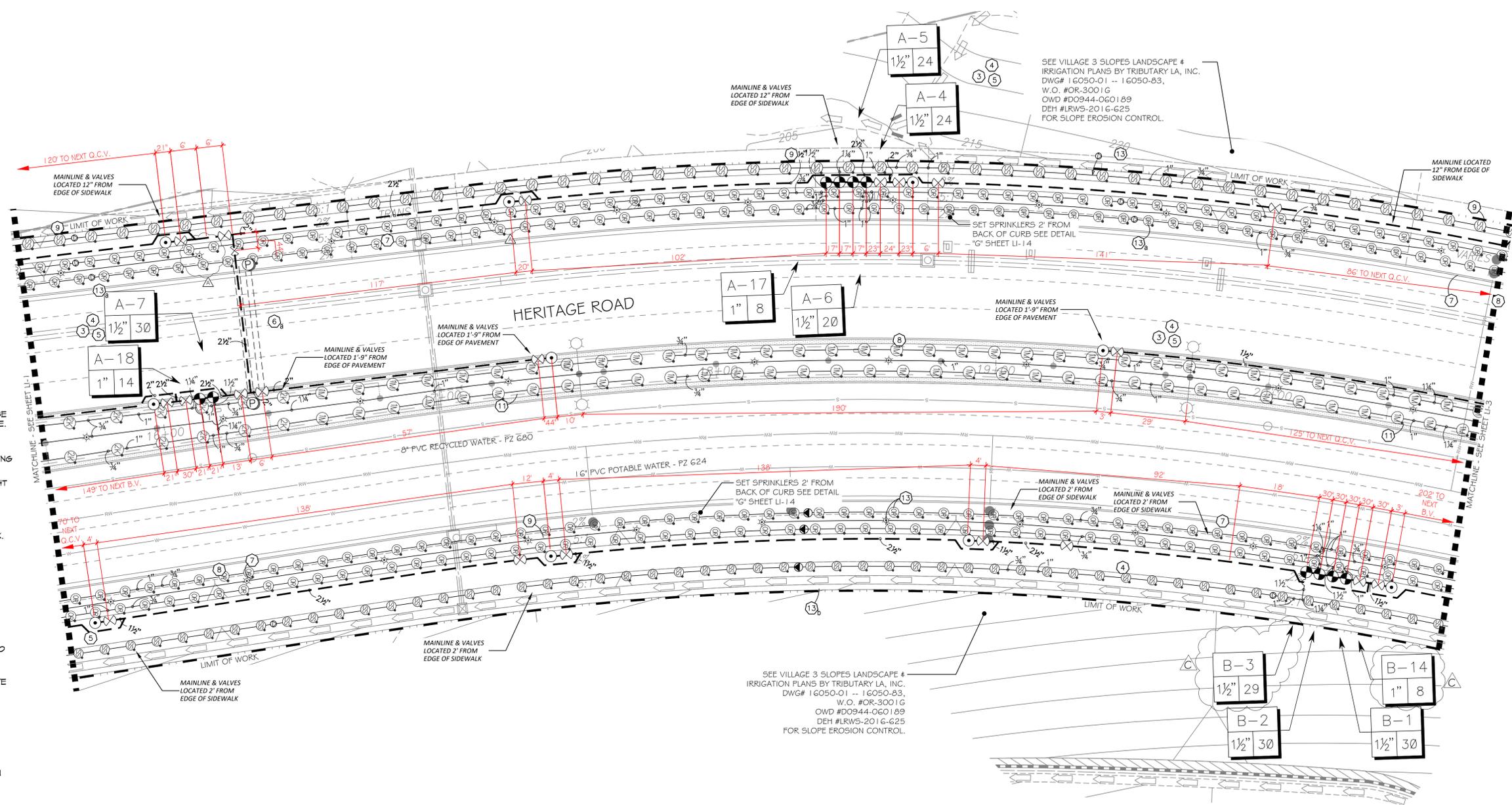
REGISTERED LANDSCAPE ARCHITECT  
 THOMAS A. PICARD  
 4/19/21

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



CONSTRUCTION RECORD	REFERENCES	BY	REVISIONS	Date	App'd	BENCH MARK	SCALE	Office	Designed By	Drawn By	Checked By	Plans Originally Approved:	8-30-17	CITY OF CHULA VISTA	DWG NO. 16044-15
Contractor	OR-837C	HUNSAKER & ASSOC.	IRRIGATION ADJUSTMENT FOR NEW DRIVEWAY	5/11/21	<i>[Signature]</i>	BRASS MARKER MARKED "50 CITY ENGR." IN 3/4" IRON PIPE. LOCATION: 1.5 MILES EAST OF MIX OF MAIN ST. & HERITAGE RD. ON ROCKY MOUNTAIN 100' EASTERS OF PROMINENT 10' HIGH BOULDER & 1700' SOUTHERLY OF WATER STORAGE FACILITY. (78 1359 PER R.O.S. 14841) ELEV=629.319' (NAVD 88)	Horizontal 1" = 20' Vertical N/A	Field	T.P.	T.G.M.	T.P.	Approved: _____ Date: _____ Director of Development Services or Designee	OTAY RANCH VILLAGE 3 HERITAGE ROAD (FROM STA. 10+67.88 TO 56+70.54) CHULA VISTA TRACT NO. 13-02	LI-1	Sheet 15 of 44



IRRIGATION NOTES:

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- HUNTER IND. FROS-06-FRS90 POP-UP BODY AND SF SPRAY NOZZLE FOR SUPPLEMENTAL TREE IRRIGATION. SEE 'H' SERIES DETAILS ON SHEET LI-14
- ADJUST HEAD SPACING AND RADIUS-OF-THROW TO AVOID OVERSPRAY OUTSIDE OF INTENDED AREA OF COVERAGE AND OBSTRUCTION BY UTILITY ENCLOSURES.
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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  
 DISCIPLINE: LANDSCAPE ARCHITECT REG. EXP. 9/30/23  
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Tributary LA, Inc.  
 Landscape Architecture and Planning  
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 760.434.9300 office 760.434.9303 fax

DATE: 19 APR '21  
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CONSTRUCTION RECORD	REFERENCES	BY	REVISIONS	Date	App'd	BENCH MARK	SCALE	Office	Designed By	Drawn By	Checked By	Plans Originally Approved:	8-30-17	CITY OF CHULA VISTA	DWG NO. 16044-16
Contractor	OR-837C	HUNSAKER & ASSOC.	IRRIGATION ADJUSTMENT FOR ADDED TREES	5/11/21	<i>[Signature]</i>	BENCH MARK MARKED "SD CITY ENGR" IN 3/4" IRON PIPE. LOCATION: 1.5 MILES EAST OF MIX OF MAIN ST. & HERITAGE RD. ON ROCK MOUNTAIN 100' EASTERSLY OF PROMINENT 10' HIGH BOULDER & 1700' SOUTHERLY OF WATER STORAGE FACILITY. (784 1350 PER R.O.S. 14841) ELEV=629.319' (NAVD 88)	Horizontal 1" = 20' Vertical N/A	Field	T.P.	T.G.M.	T.P.	Approved: _____ Date: _____ Director of Development Services or Designee	OTAY RANCH VILLAGE 3 HERITAGE ROAD (FROM STA. 10+67.88 TO 56+70.54) CHULA VISTA TRACT NO. 13-02	LANDSCAPE IRRIGATION PLAN FOR:	LI-2
Inspector	OR-837G	HUNSAKER & ASSOC.	FINAL OWD AS-BUILT						THOMAS A. PICARD						Sheet 16 of 44
Date Completed															

VILLAGE 3 HERITAGE RD. STREETSCAPE 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: 1-22 / OPEN STATIONS: 23-24  
MODEL# SA6-RM2-24 / FSF-150B / SYR / 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		POC EQUIPMENT
METER LOCATION-STAT.PT.	HERITAGE RD. WEST 25+00	1 1/2" WYE STRAINER
POC ELEVATION	255.00 FT.	1 1/2" CHECK VALVE
PRESSURE ZONE	680.00 FT.	1 1/2" PRESSURE REGULATOR
STATIC WATER PRESSURE	184.03 PSI	TEST STATION
REGULATED PRESSURE	85.00 PSI	1 1/2" MASTER CONTROL VALVE
MIN. PRESSURE REQUIRED	76.13 PSI	1 1/2" FLOW SENSOR
MAX DEMAND	32 GPM	NOTE: P.O.C. SEQUENCE PER W.A.S. STD. DWG. WR-03.
AREA SERVED	72,149 SQ. FT.	
MAWA	7.0287 AC.FT./YR.	
EWU	4.6858 AC.FT./YR.	
LATERAL-SEE CIVIL DWGS		

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LRWS 2019-1116

OTAY WATER DISTRICT

PROJECT # D0944-060186

PZ G24 RPZ G60

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

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

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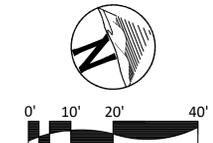
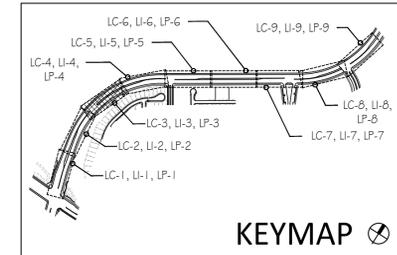
DISCIPLINE: LANDSCAPE ARCHITECT

REGIST. DATE: 9/30/23

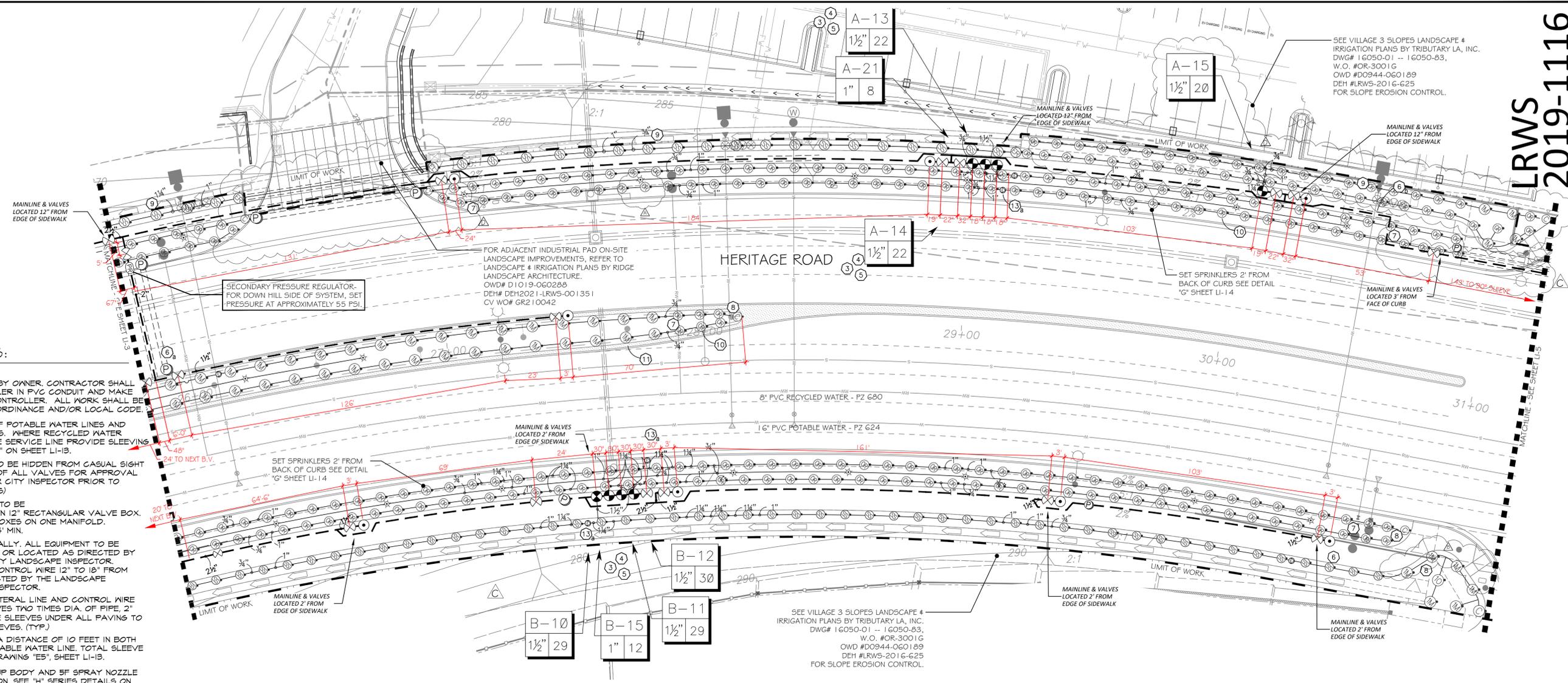
VILLAGE 3 HERITAGE RD. STREETSCAPE PARKWAY IRRIGATION POC "B" SYSTEMS TO BE MAINTAINED BY CITY OF CHULA VISTA CFD

1.5" RECYCLED WATER METER  
18 STATION CONTROLLER "B"  
STATIONS USED: 1-15 / OPEN STATIONS: 16-18  
MODEL# SA6-RM2-18 / FSF-150B / SYR / 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		POC EQUIPMENT
METER LOCATION-STAT.PT.	HERITAGE RD. EAST 25+50	1 1/2" WYE STRAINER
POC ELEVATION	260.00 FT.	1 1/2" CHECK VALVE
PRESSURE ZONE	680.00 FT.	1 1/2" PRESSURE REGULATOR
STATIC WATER PRESSURE	181.86 PSI	TEST STATION
REGULATED PRESSURE	100.00 PSI	1 1/2" MASTER CONTROL VALVE
MIN. PRESSURE REQUIRED	90.32 PSI	1 1/2" FLOW SENSOR
MAX DEMAND	31 GPM	NOTE: P.O.C. SEQUENCE PER W.A.S. STD. DWG. WR-03.
AREA SERVED	52,724 SQ. FT.	
MAWA	4.6849 AC.FT./YR.	
EWU	3.1232 AC.FT./YR.	
LATERAL-SEE CIVIL DWGS		



CONSTRUCTION RECORD	REFERENCES	BY	REVISIONS	Date	App'd	BENCH MARK	SCALE	Office	Designed By	Drawn By	Checked By	Plans Originally Approved:	8-30-17	CITY OF CHULA VISTA	DWG NO. 16044-17
Contractor	OR-837C	HUNSAKER & ASSOC.	EDIT IRRIG. FOR TMP SYSTEM AND RE-LOCATED TREES	5/11/21	<i>[Signature]</i>	BRASS MARKED "50 CITY ENGR." IN 3/4" IRON PIPE.	Horizontal	Field	T.P.	T.G.M.	T.P.	Approved: _____ Date: _____	Director of Development Services or Designee	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-3
Inspector	OR-837G	HUNSAKER & ASSOC.	REVISE POC-B WATER CALCS. AND CONTROLLER DATA	5/11/21	<i>[Signature]</i>	1.5 MILES EAST OF MIX OF MAIN ST. & HERITAGE RD. ON ROCK MOUNTAIN 100' EASTERS OF PROMINENT 10' HIGH BOULDER & 1700' SOUTHERLY OF WATER STORAGE FACILITY. (74 1350 PER R.O.S. 14841) ELEV=629.319' (NAVD 88)	Vertical	Traffic	THOMAS A. PICARD						Sheet 17 of 44
Date Completed			FINAL OWD AS-BUILT	5/11/21	<i>[Signature]</i>		N/A							REPLACEMENT SHEET	OWD WO # D0944-060186 OWD PERMIT #LR-16-011 OWD Sheet 5 of 20



SEE VILLAGE 3 SLOPES LANDSCAPE # IRRIGATION PLANS BY TRIBUTARY LA, INC. DWG# 16050-01 -- 16050-83, W.O. #OR-3001G OWD #D0944-060189 DEH #LRWS-2016-G25 FOR SLOPE EROSION CONTROL.

SEE VILLAGE 3 SLOPES LANDSCAPE # IRRIGATION PLANS BY TRIBUTARY LA, INC. DWG# 16050-01 -- 16050-83, W.O. #OR-3001G OWD #D0944-060189 DEH #LRWS-2016-G25 FOR SLOPE EROSION CONTROL.

**IRRIGATION NOTES:**

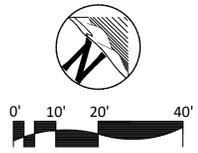
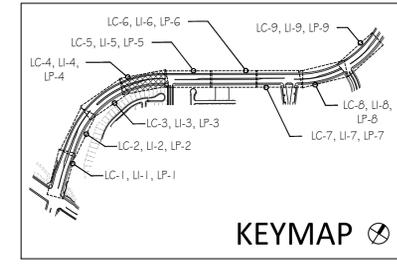
- IRRIGATION CONTROLLER- 120 VAC POWER TO BE PROVIDED BY OWNER. CONTRACTOR SHALL ROUTE POWER CABLE TO CONTROLLER IN PVC CONDUIT AND MAKE PERMANENT CONNECTION TO THE CONTROLLER. ALL WORK SHALL BE IN ACCORDANCE WITH GOVERNING ORDINANCE AND/OR LOCAL CODE.
- PROVIDE REQUIRED SEPARATION OF POTABLE WATER LINES AND RECYCLED WATER IRRIGATION LINES. WHERE RECYCLED WATER IRRIGATION LINE CROSSES POTABLE SERVICE LINE PROVIDE SLEEVING AS REQUIRED. SEE DETAIL "E4" & "E5" ON SHEET LI-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.) FULL BOX- CONTROL WIRE SLEEVES UNDER ALL PAVING TO INCLUDE FULL 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 LI-13.
- HUNTER IND. PRO3-06-PR330 POP-UP BODY AND SF SPRAY NOZZLE FOR SUPPLEMENTAL TREE IRRIGATION. SEE "H" SERIES DETAILS ON SHEET LI-14
- ADJUST HEAD SPACING AND RADIUS-OF-THROW TO AVOID OVERSPRAY OUTSIDE OF INTENDED AREA OF COVERAGE AND OBSTRUCTION BY UTILITY ENCLOSURES.
- HUNTER IND. PRO3-12-PR340 POP-UP BODY OR PRO3-00-PR340 ON RISER AND MP3550 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. PRO3-12-PR340 POP-UP BODY AND MP3000S NOZZLE FOR LANDSCAPE AREAS 6' TO 10' WIDE, WITH HEAD SPACING EQUAL TO LATERAL SPACING. ADJUST RADIUS TO PREVENT OVERSPRAY AND OBSTRUCTIONS.
- HUNTER IND. PRO3-12-PR340 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. PRO3-12-PR340 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.
- SPRING CHECK IS TO BE USED WHEN OPERATIONAL FLOW IS FROM HIGHER TO LOWER ELEVATION.
- 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.



LRWS 2019-1116  
OTAY WATER DISTRICT  
PROJECT # D0944-060186  
PZ 624 RPZ 690

LANDSCAPE ARCHITECT TO CONVERT FIELD REDLINES OF CONSTRUCTION CHANGES TO BLACK LINES ON THIS DRAWING SET, AND SUBMIT TO OWD FOR REVIEW AND APPROVAL.

"AS-BUILT"  
SIGNED: *[Signature]* DATE: 4/19/21

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



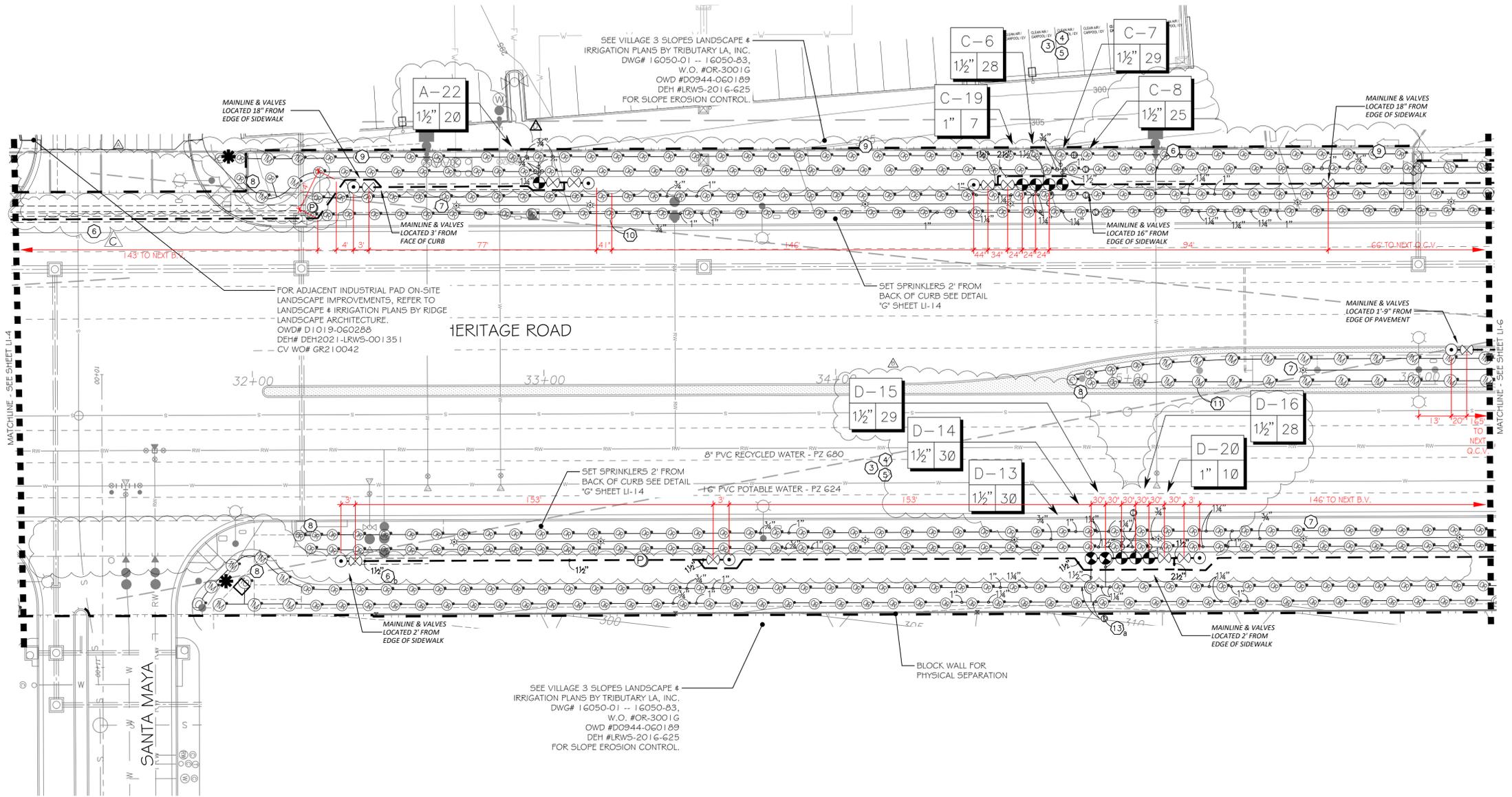
**Tributary LA, Inc.**  
Landscape Architecture and Planning  
2725 Jefferson Street, Suite 14  
Carlsbad, CA 92008  
760.434.9300 office 760.434.9303 fax

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

CONSTRUCTION RECORD	REFERENCES	BY	REVISIONS	Date	App'd	BENCH MARK	SCALE	Office	Designed By	Drawn By	Checked By	Plans Originally Approved:	8-30-17	CITY OF CHULA VISTA	DWG NO. 16044-18
Contractor	OR-837C	HUNSAKER & ASSOC.	EDIT IRRIG. FOR SIDEWALK REALIGN & TREE ADJMT	5/1/21	[Signature]	BENCH MARK: BRASS BUSH MARKED "50 CITY ENGR." IN 3/4" IRON PIPE. LOCATION: 1.5 MILES EAST OF MIX OF MAIN ST. & HERITAGE RD. ON ROCKY MOUNTAIN 100' EASTERLY OF PROMINENT 10' HIGH BOULDER & 1700' SOUTHERLY OF WATER STORAGE FACILITY. (78 1359 PER R.O.S. 14841) ELEV=629.319' (NAD83)	Horizontal	Field	T.P.	T.P.	T.P.	Approved: _____ Date: _____	3/4/22	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
Inspector	OR-837G	HUNSAKER & ASSOC.	DELETE POC-B MAINLINE CROSSING AT SANTA MARYA	5/1/21	[Signature]		Vertical	Traffic	THOMAS A. PICARD	THOMAS A. PICARD	T.G.M.	Tiffany Allen, Director of Development Services or Designee			Sheet 18 of 44
Date Completed			ADD AREA @ GUE, ADJ. @ INCL. PARK DWS	5-27-21	[Signature]		N/A							REPLACEMENT SHEET	OWD WO # D0944-060186 OWD PERMIT #LR-16-011 OWD Sheet 6 of 20

**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 LI-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.
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  - 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.
  - HUNTER IND. PROS-06-PRS30 POP-UP BODY AND SF SPRAY NOZZLE FOR SUPPLEMENTAL TREE IRRIGATION. SEE "H" SERIES DETAILS ON SHEET LI-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 MPSS590 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.
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- 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.

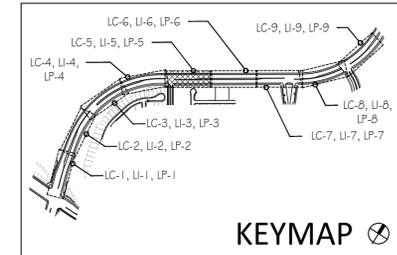


FOR IRRIGATION LEGEND AND NOTES SEE SHEET LI-10.  
 FOR IRRIGATION DETAILS SEE SHEETS LI-11 THROUGH LI-14.  
 FOR WATER PRESSURE CALCULATIONS, SCHEDULING GUIDELINES AND WATER BUDGET SEE SHEETS LI-15.  
 FOR IRRIGATION SPECS SEE SHEETS LI-16, LI-17 & LI-18.

OMISSION STATEMENT:  
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INSPECTION NOTE:  
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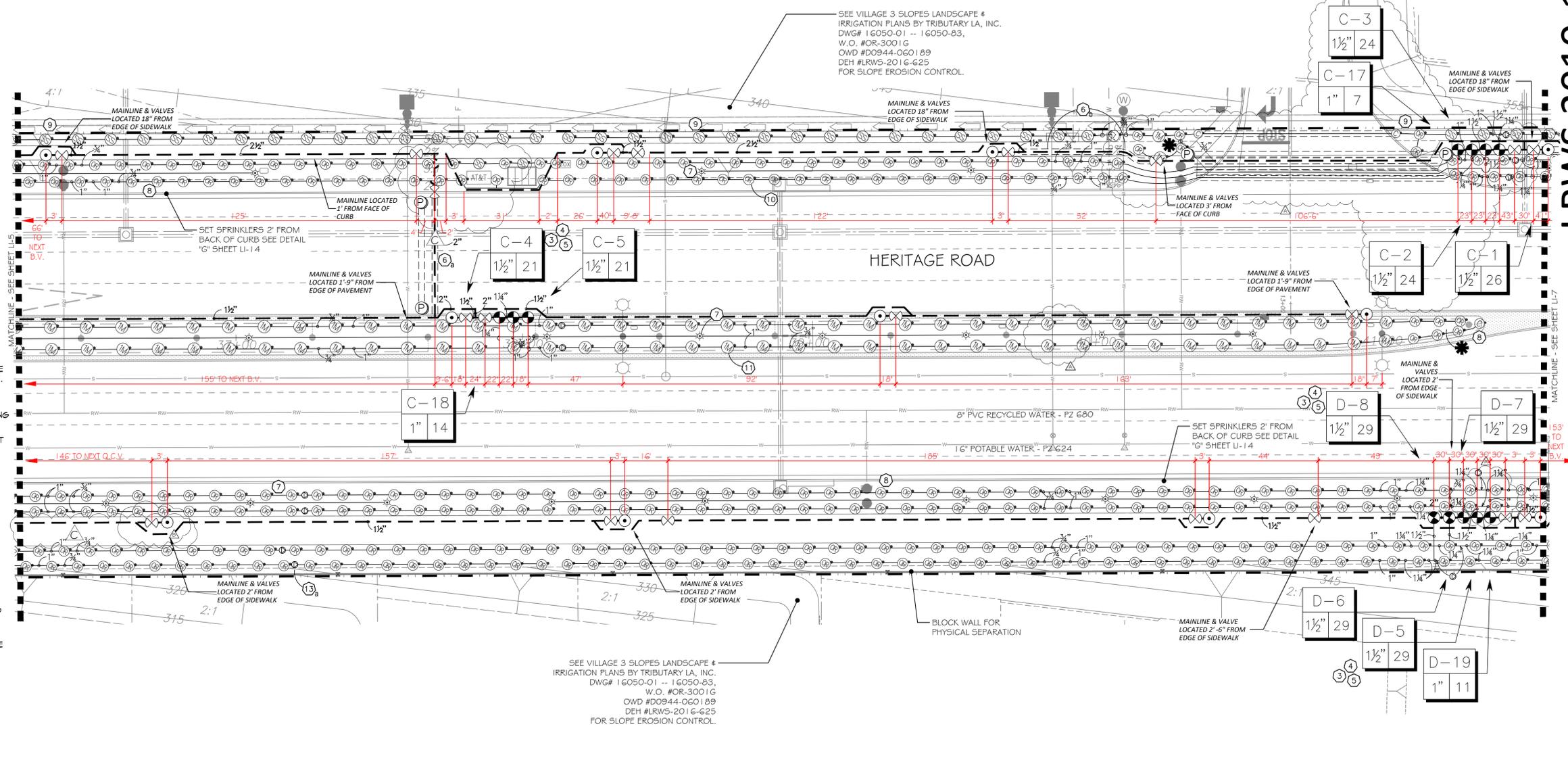
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LRWS 2019-1116 OTAY WATER DISTRICT PROJECT # D0944-060186 PZ 624 RPZ 680		LANDSCAPE ARCHITECT TO CONVERT FIELD REPLINES OF CONSTRUCTION CHANGES TO BLACK LINES ON THIS DRAWING SET, AND SUBMIT TO OWD FOR REVIEW AND APPROVAL. "AS-BUILT" SIGNED: <i>THP</i> DATE: 4/19/21 PRINT NAME: THOMAS A PICARD R.L.A. # 4001		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	
REVIEWED BY: <i>[Signature]</i> DATE: 5/11/21 NOTE: SIGNATURE EXPIRES ONE (1) YEAR AFTER DATE		DISCIPLINE: LANDSCAPE ARCHITECT REGIST. EXP. 9/30/23		CITY OF CHULA VISTA 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	

CONSTRUCTION RECORD	REFERENCES	BY	REVISIONS	DATE	APP'D	BENCH MARK	SCALE	Office	Designed By	Drawn By	Checked By	Plans Originally Approved:	8-30-17	CITY OF CHULA VISTA	DWG NO. 16044-19
Contractor	OR-837C	HUNSAKER & ASSOC.	IRRIGATION ADJUSTMENT FOR NEW DRIVEWAY & TREES	5/11/21	<i>[Signature]</i>	BUS STOP MARKED "50' CITY ENGR" IN 3/4" IRON PIPE. LOCATION: 1.5 MILES EAST OF INTERSECTION OF MAIN ST. & HERITAGE RD. ON ROCK MOUNTAIN 100' EASTERS OF PROMINENT 10' HIGH BOULDER & 1700' SOUTHERLY OF WATER STORAGE FACILITY. (74 1350 PER R.O.S. 14841) ELEV=629.319' (NAVD 88)	Horizontal Vertical N/A	Field	THP	THP	THP	Approved: _____ Date: 3/4/22 Tiffany Allen, Director of Development Services or Designee	OTAY RANCH VILLAGE 3 HERITAGE ROAD (FROM STA. 10+67.88 TO 56+70.54) CHULA VISTA TRACT NO. 13-02	LI-5	Sheet 19 of 44

LRWS 2019-1116  
 OWD PROJ # D0944-060186  
 Print Date: 4 MAR '22  
 Otay Ranch Village 3 Heritage Road



**IRRIGATION NOTES:**

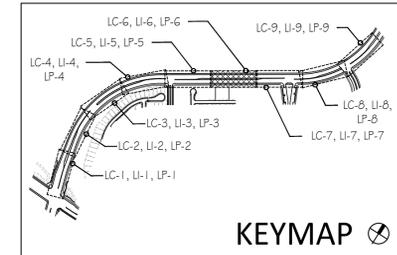
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3. REMOTE CONTROL VALVE BOXES TO BE HIDDEN FROM CASUAL SIGHT WHEN POSSIBLE. STAKE LOCATION OF ALL VALVES FOR APPROVAL BY LANDSCAPE ARCHITECT AND OR CITY INSPECTOR PRIOR TO INSTALLATION. (TYP. ALL LOCATIONS)
4. SINGLE REMOTE CONTROL VALVES TO BE INSTALLED 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.
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10. HUNTER IND. PROS-12-PRS40 POP-UP BODY AND MP8005S NOZZLE FOR LANDSCAPE AREAS 6' TO 10' WIDE, WITH HEAD SPACING EQUAL TO LATERAL SPACING. ADJUST RADIUS TO PREVENT OVERSPRAY AND OBSTRUCTIONS.
11. HUNTER IND. PROS-12-PRS40 POP-UP BODY AND MPI000 NOZZLE FOR LANDSCAPE AREAS 11' TO 13' WIDE, WITH HEAD SPACING EQUAL TO LATERAL SPACING. ADJUST RADIUS TO PREVENT OVERSPRAY AND OBSTRUCTIONS.
12. 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.
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 FOR IRRIGATION DETAILS SEE SHEETS LI-11 THROUGH LI-14.  
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 FOR IRRIGATION SPECS SEE SHEETS LI-16, LI-17 & LI-18.

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SEE VILLAGE 3 SLOPES LANDSCAPE # IRRIGATION PLANS BY TRIBUTARY LA, INC. DWG# 16050-01 - 16050-83, W.O. #OR-3001G OWD #D0944-060189 DEH #LRWS-2016-625 FOR SLOPE EROSION CONTROL.



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"  
 DISCIPLINE: LANDSCAPE ARCHITECT  
 REGIST. EXP. 9/30/23  
 PRINT NAME: THOMAS A PICARD R.L.A. # 4001  
 T.P. T.G.M. T.P.

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 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 ARCHITECT  
 4/19/21

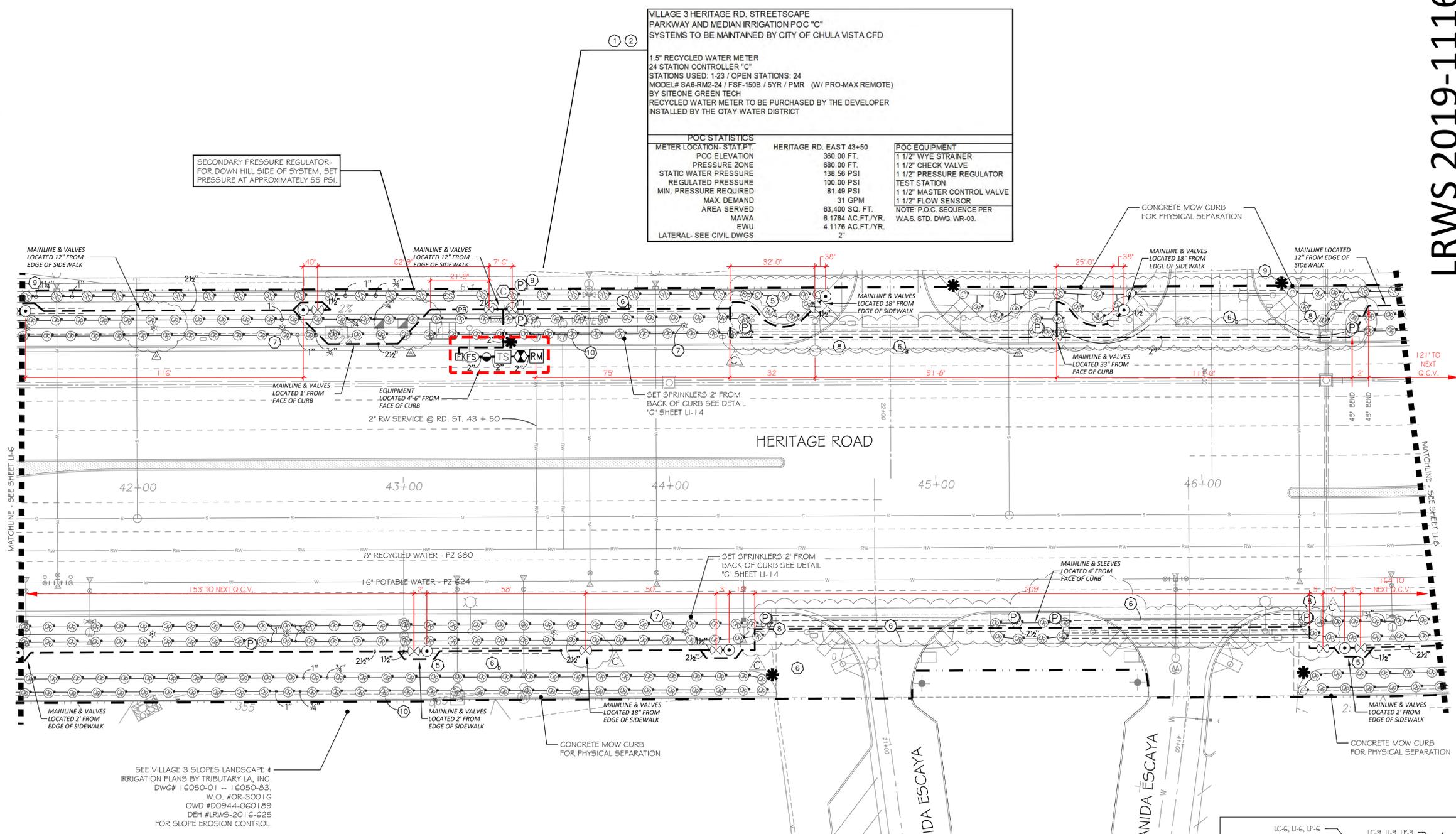
Tributary LA, Inc.  
 Landscape Architecture and Planning  
 2725 Jefferson Street, Suite 14  
 Carlsbad, CA 92008  
 760.434.9300 office 760.434.9303 fax

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

CONSTRUCTION RECORD	REFERENCES	BY	REVISIONS	Date	App'd	BENCH MARK	SCALE	Office	Designed By	Drawn By	Checked By	Plans Originally Approved:	8-30-17	CITY OF CHULA VISTA	DWG NO. 16044-20
Contractor	OR-837C	HUNSAKER & ASSOC.	IRRIGATION ADJUSTMENT FOR NEW DRIVEWAY & TREES	5/11/21	<i>[Signature]</i>	BENCH MARK MARKED "SD CITY ENGR" IN 3/4" IRON PIPE	Horizontal	Field	T.P.	T.G.M.	T.P.	Approved: _____ Date: _____	Director of Development Services or Designee	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-6
Inspector	OR-837G	HUNSAKER & ASSOC.	EXTEND POC-D MAINLINE WEST TO MATCHLINE	5/11/21	<i>[Signature]</i>	1.5 MILES EAST OF MIX OF MAIN ST. & HERITAGE RD. ON ROAD MOUNTAIN 100' EASTERS OF PROMINENT 10' HIGH BOULDER & 1700' SOUTHERLY OF WATER STORAGE FACILITY. (78° 1359 PWD R.O.S. 14841) ELEV=629.319' (NAVD 88)	Vertical	Traffic	THOMAS A. PICARD	THOMAS A. PICARD	THOMAS A. PICARD	Approved: _____ Date: _____	Director of Development Services or Designee	OTAY RANCH VILLAGE 3 HERITAGE ROAD (FROM STA. 10+67.88 TO 56+70.54) CHULA VISTA TRACT NO. 13-02	Sheet 20 of 44
Date Completed			FINAL OWD AS-BUILT	5/11/21	<i>[Signature]</i>		N/A							REPLACEMENT SHEET	OWD WO # D0944-060186 OWD PERMIT #LR-16-011 OWD Sheet 8 of 20

**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 CROSSING- MAINLINE, LATERAL LINE AND CONTROL WIRE SLEEVES UNDER ALL PAVING. 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.)
  - 6 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-PR530 POP-UP BODY AND 5F 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-PR540 POP-UP BODY OR PROS-00-PR540 ON RISER AND MP55530 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-PR540 POP-UP BODY AND MP80055 NOZZLE FOR LANDSCAPE AREAS 6' TO 10' WIDE, WITH HEAD SPACING EQUAL TO LATERAL SPACING. ADJUST RADIUS TO PREVENT OVERSPRAY AND OBSTRUCTIONS.
  - 11 HUNTER IND. PROS-12-PR540 POP-UP BODY AND MP10000 NOZZLE FOR LANDSCAPE AREAS 11' TO 13' WIDE, WITH HEAD SPACING EQUAL TO LATERAL SPACING. ADJUST RADIUS TO PREVENT OVERSPRAY AND OBSTRUCTIONS.
  - 12 HUNTER IND. PROS-12-PR540 POP-UP BODY AND MP20000 NOZZLE FOR LANDSCAPE AREAS 15' TO 18' WIDE, WITH HEAD SPACING EQUAL TO LATERAL SPACING. 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.
- 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.



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

1.5" RECYCLED WATER METER  
24 STATION CONTROLLER "C"  
STATIONS USED: 1-23 / OPEN STATIONS: 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# FT.	HERITAGE RD. EAST 43+50	POC EQUIPMENT
POC ELEVATION	360.00 FT.	1 1/2" WYE STRAINER
PRESSURE ZONE	680.00 FT.	1 1/2" CHECK VALVE
STATIC WATER PRESSURE	138.56 PSI	1 1/2" PRESSURE REGULATOR
REGULATED PRESSURE	100.00 PSI	TEST STATION
MIN. PRESSURE REQUIRED	81.49 PSI	1 1/2" MASTER CONTROL VALVE
MAX DEMAND	31 GPM	1 1/2" FLOW SENSOR
AREA SERVED	63,400 SQ. FT.	NOTE: P.O.C. SEQUENCE PER W.A.S. STD. DWG. WR-03.
MAWA	6.1764 AC. FT./YR.	
EWU	4.1176 AC. FT./YR.	
LATERAL- SEE CIVIL DWGS		

SEE VILLAGE 3 SLOPES LANDSCAPE # IRRIGATION PLANS BY TRIBUTARY LA, INC. DWG# 16050-01 - 16050-83. W.O. #OR-3001G OWD #D0944-060189 DEH #LRWS-2016-625 FOR SLOPE EROSION CONTROL.

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.

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.

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.

LRWS 2019-1116

OTAY WATER DISTRICT

PROJECT # D0944-060186  
PZ G24 RPZ G60

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

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

NOTE: SIGNATURE EXPIRES ONE (1) YEAR AFTER DATE

"AS-BUILT"

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



Tributary LA, Inc.  
Landscape Architecture and Planning

2725 Jefferson Street, Suite 14  
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DATE: 19 APR '21

SCALE: 1" = 20'

JOB NO. 15021

DRAWN BY: T.P. / T.G.M.

W.O. NO. OR-837C

CONSTRUCTION RECORD	REFERENCES	BY	REVISIONS	Date	App'd	BENCH MARK	SCALE	Office	Designed By	Drawn By	Checked By	Plans Originally Approved:	8-30-17	CITY OF CHULA VISTA	DWG NO. 16044-21
Contractor	OR-837C	HUNSAKER & ASSOC.	IRRIGATION ADJUSTMENT FOR NEW DRIVEWAY & TREES	5/11/21	[Signature]	BRASS MARKER MARKED "50 CITY ENGR." IN 3/4" IRON PIPE.	Horizontal	Field	T.P.	T.G.M.	T.P.	Approved: _____ Date: _____	Director of Development Services or Designee	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-7
Date Completed	OR-837G	HUNSAKER & ASSOC.	FINAL OWD AS-BUILT			LOCATION: 1.5 MILES EAST OF INTERSECTION OF MAIN ST. & HERITAGE RD. ON ROCK MOUNTAIN 100' EASTERS OF PROMINENT 10' HIGH BOULDER & 1700' SOUTHERLY OF WATER STORAGE FACILITY. (78 1350 PER R.O.S. 14841) ELEV=629.319' (NAVD88)	Vertical	Traffic	THOMAS A. PICARD						Sheet 21 of 44

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.

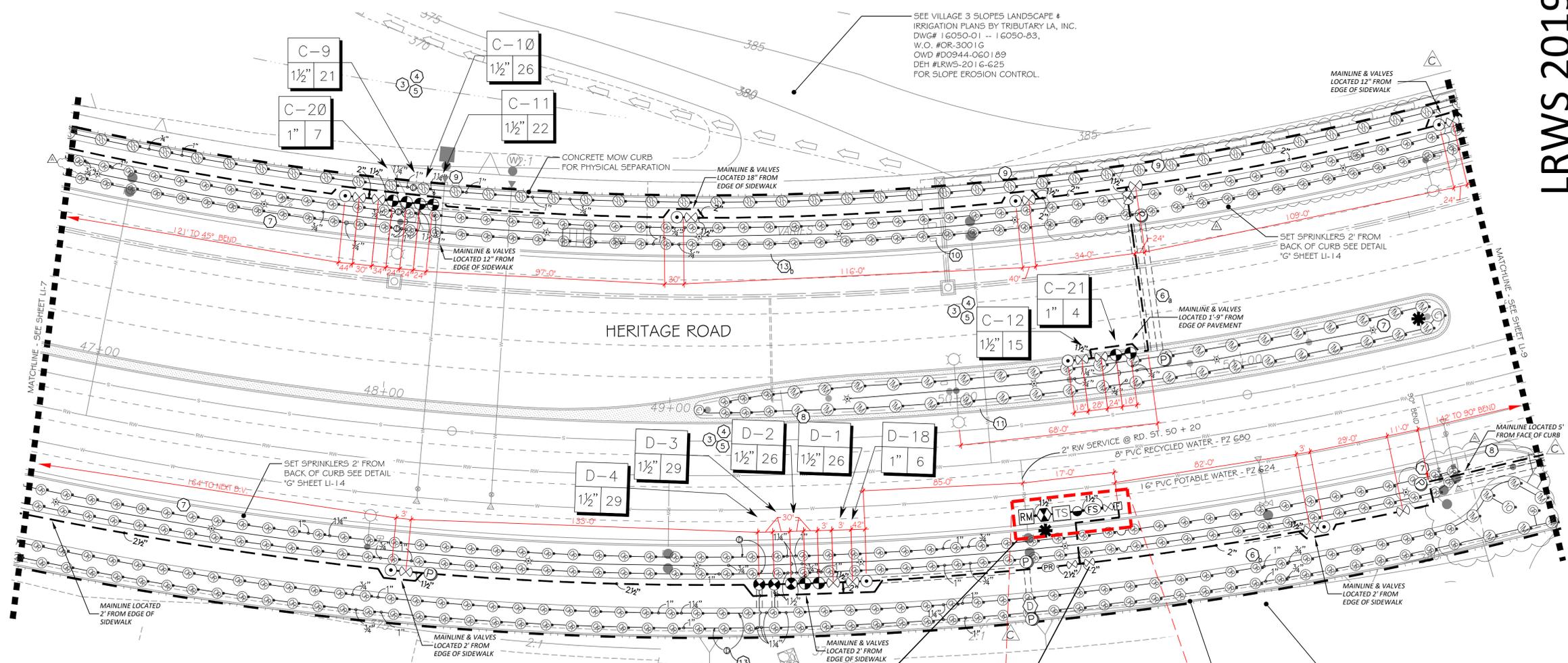
R.W. IDENTIFICATION BY COLOR CODING:  
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 SHALL BE COLORED THROUGH THE USE OF INTEGRALLY MOLDED PURPLE  
 PLASTIC OR PERMANENTLY ATTACHED PURPLE PLASTIC RING OR DISC. ALL  
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 DECALS AND/OR ADHESIVE LABELS ON RISERS WILL NOT ACCEPTED.

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 DAYS PRIOR TO THE START OF CONSTRUCTION AT (619) 670-2241. ALL  
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IRRIGATION NOTES:

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- 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.
- HUNTER IND. PROS-06-PRS90 POP-UP BODY AND 5P SPRAY NOZZLE FOR SUPPLEMENTAL TREE IRRIGATION. SEE "H" SERIES DETAILS ON SHEET LI-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 MP9550 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 MP9005S 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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VILLAGE 3 HERITAGE RD. STREETSCAPE PARKWAY IRRIGATION POC "D" SYSTEMS TO BE MAINTAINED BY CITY OF CHULA VISTA CFD

1.5" RECYCLED WATER METER  
 24 STATION CONTROLLER "D"  
 STATIONS USED: 1-20 / OPEN STATIONS: 21-24  
 MODEL# SAG-RM2-24 / FSF-150B / 5YR / PMR (W/ PRO-MAX REMOTE)  
 BY: SITEONE GREENTECH  
 RECYCLED WATER METER TO BE PURCHASED BY THE DEVELOPER  
 INSTALLED BY THE OTAY WATER DISTRICT

POC STATISTICS		HERITAGE RD. EAST 50+20		POC EQUIPMENT	
METER LOCATION- STAT.PT.		POC ELEVATION	375.00 FT.	1 1/2" WYE STRAINER	
PRESSURE ZONE		PRESSURE ZONE	680.00 FT.	1 1/2" CHECK VALVE	
STATIC WATER PRESSURE		STATIC WATER PRESSURE	132.07 PSI	1 1/2" PRESSURE REGULATOR	
REGULATED PRESSURE		REGULATED PRESSURE	80.00 PSI	TEST STATION	
MIN. PRESSURE REQUIRED		MIN. PRESSURE REQUIRED	68.37 PSI	1 1/2" MASTER CONTROL VALVE	
MAX. DEMAND		MAX. DEMAND	29 GPM	1 1/2" FLOW SENSOR	
AREA SERVED		AREA SERVED	62,637 SQ. FT.	NOTE: P.O.C. SEQUENCE PER	
MAWA		MAWA	5,5657 AC.FT./YR.	W.A.S. STD. DWG. WR-03.	
EWU		EWU	3,7105 AC.FT./YR.		
LATERAL- SEE CIVIL DWGS					

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

DISCIPLINE: LANDSCAPE ARCHITECT REG. EXP. 9/30/23

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!

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REGISTERED LANDSCAPE ARCHITECT

THOMAS A. PICARD ARCHITECT

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

Tributary LA, Inc.

LANDSCAPE ARCHITECTURE AND PLANNING

DATE: 19 APR '21

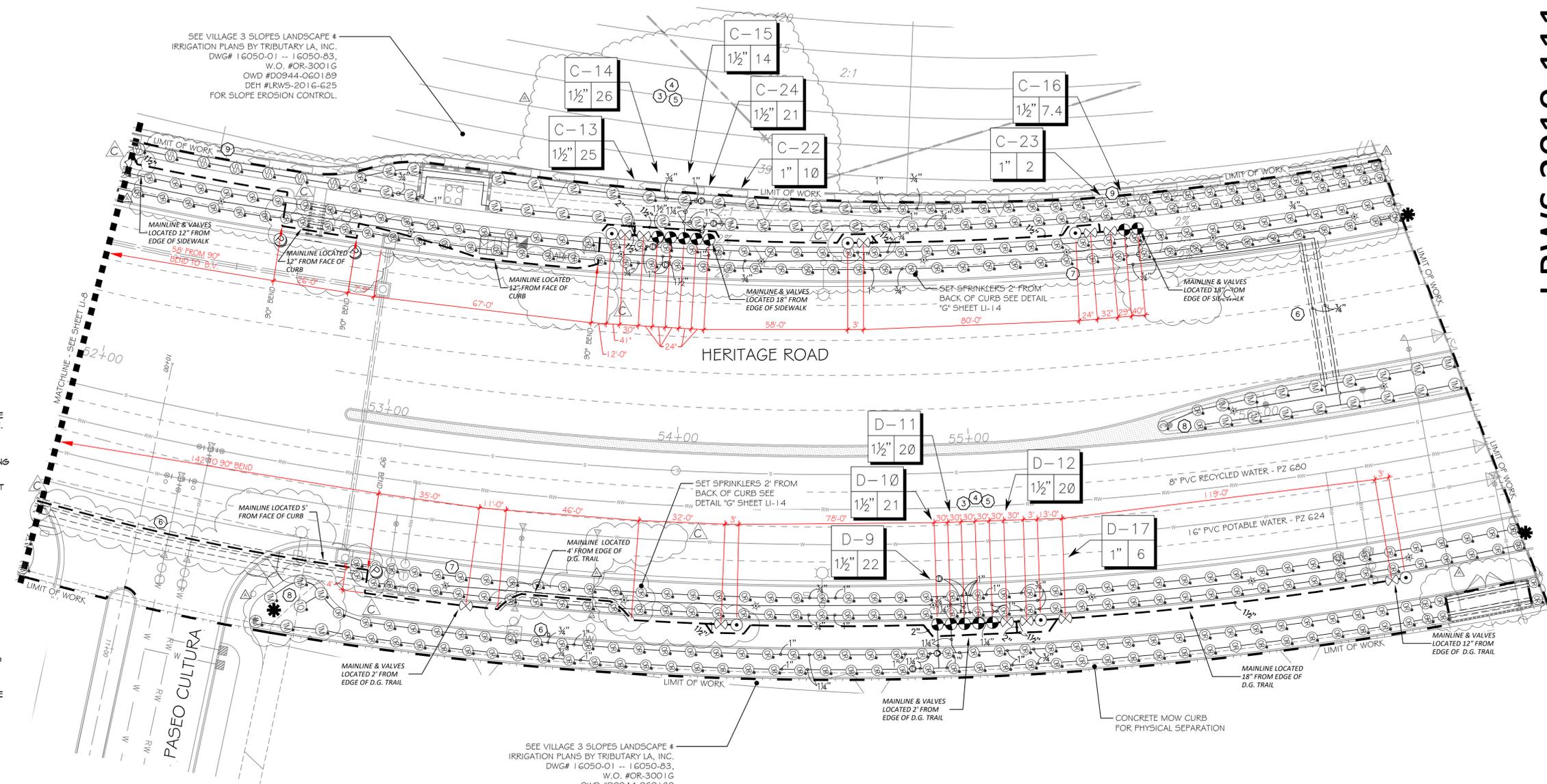
SCALE: 1" = 20'

JOB NO. 15021

DRAWN BY: T.P. / T.G.M.

W.O. NO. OR-837C

CONSTRUCTION RECORD	REFERENCES	BY	REVISIONS	Date	App'd	BENCH MARK	SCALE	Office	Designed By	Drawn By	Checked By	Plans Originally Approved:	8-30-17	CITY OF CHULA VISTA	DWG NO. 16044-22
Contractor	OR-837C	HUNSAKER & ASSOC.	EDIT IRRI. FOR TREES & BLOW DITCH RE-ALIGNMENT.	5/11/21	<i>[Signature]</i>	BENCH MARK MARKED "SD" CITY ENGR. IN 3/4" IRON PIPE. LOCATION: 1.5 MILES EAST OF MIX OF MAIN ST. & HERITAGE RD. ON ROCK MOUNTAIN 100' EASTERN OF PROMINENT 10' HIGH BOULDER & 1700' SOUTHERLY OF WATER STORAGE FACILITY. (761 1350 PER R.O.S. 14841) ELEV=629.319' (NAVD 88)	Horizontal 1" = 20'	Field	THOMAS A. PICARD	T.G.M.	T.P.	Approved: _____ Date: _____	Director of Development Services or Designee	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-8
Inspector	OR-837G	HUNSAKER & ASSOC.	REVISE POC-D WATER CALCS. AND CONTROLLER DATA	5/11/21	<i>[Signature]</i>		Vertical N/A	Traffic							Sheet 22 of 44
Date Completed			FINAL OWD AS-BUILT	5/11/21	<i>[Signature]</i>										



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.
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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 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.)
6. 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-PRS30 POP-UP BODY AND 5F 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 AREA OF COVERAGE AND OBSTRUCTION BY UTILITY ENCLOSURES.
9. HUNTER IND. PROS-12-PRS40 POP-UP BODY OR PROS-00-PRS40 ON RISER AND MP5550 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-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.
11. 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.
12. 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.
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.
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13. SPRING CHECK IS TO BE USED WHEN OPERATIONAL FLOW IS FROM HIGHER TO LOWER ELEVATION.

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.

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.

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.

LRWS 2019-1116  
 OTAY WATER DISTRICT  
 PROJECT # D0944-060186  
 PZ 624 RPZ 690  
 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

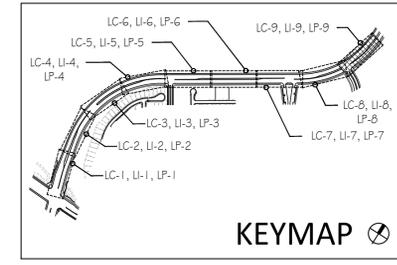
"AS-BUILT"  
 DISCIPLINE: LANDSCAPE ARCHITECT  
 REGIST. EXP. 9/30/23  
 PRINT NAME: THOMAS A PICARD R.L.A. # 4001  
 DISCIPLINE: LANDSCAPE ARCHITECT  
 REGIST. EXP. 9/30/23

IT'S THE LAW!  
 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



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



CONSTRUCTION RECORD	REFERENCES	BY	REVISIONS	Date	App'd	BENCH MARK	SCALE	Office	Designed By	Drawn By	Checked By	Plans Originally Approved:	8-30-17	CITY OF CHULA VISTA	DWG NO. 16044-23
Contractor	OR-837C	HUNSAKER & ASSOC.	NEW TRANS. # TREES SWALE RE-ALIGN, REMOVE SIGNAGE	5/11/21	<i>[Signature]</i>	BRASS MARKED "50 CITY ENGR." IN 3/4" IRON PIPE. LOCATION: 0.5 MILES EAST OF MIX OF MAIN ST. & HERITAGE RD. ON ROAD MOUNTAIN 100' EASTERLY OF PROMINENT 10' HIGH BOULDER & 1700' SOUTHERLY OF WATER STORAGE FACILITY. (78 1350 PER R.O.S. 14841) ELEV=629.319' (NAVD 88)	Horizontal 1" = 20' Vertical N/A	Field	T.P.	T.G.M.	T.P.	Approved: _____ Date: _____ Director of Development Services or Designee	OTAY RANCH VILLAGE 3 HERITAGE ROAD (FROM STA. 10+67.88 TO 56+70.54) CHULA VISTA TRACT NO. 13-02	LANDSCAPE IRRIGATION PLAN FOR:	DWG NO. 16044-23
Inspector	OR-837G	HUNSAKER & ASSOC.	FINAL OWD AS-BUILT	5/11/21	<i>[Signature]</i>			Traffic	THOMAS A. PICARD					OTAY RANCH VILLAGE 3 HERITAGE ROAD (FROM STA. 10+67.88 TO 56+70.54) CHULA VISTA TRACT NO. 13-02	LI-9
Date Completed															Sheet 23 of 44