

RECYCLED WATER PIPELINE EXTENSIONS FOR
CALLE BARCELONA, VILLAGE PARK & SUMMERHILL
OMWD D800019



Municipal Water District

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JULY 2023

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DECLARATION OF RESPONSIBLE CHARGE

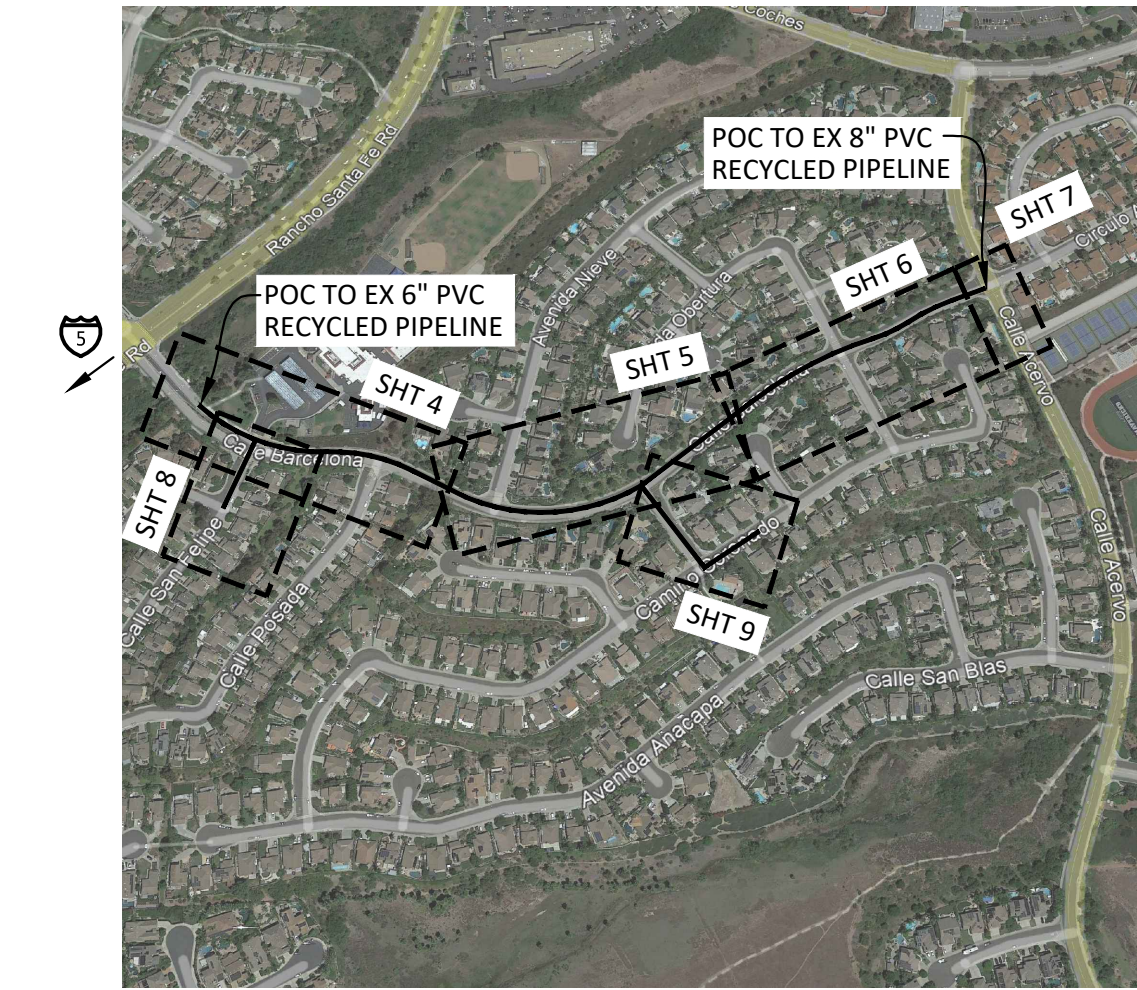
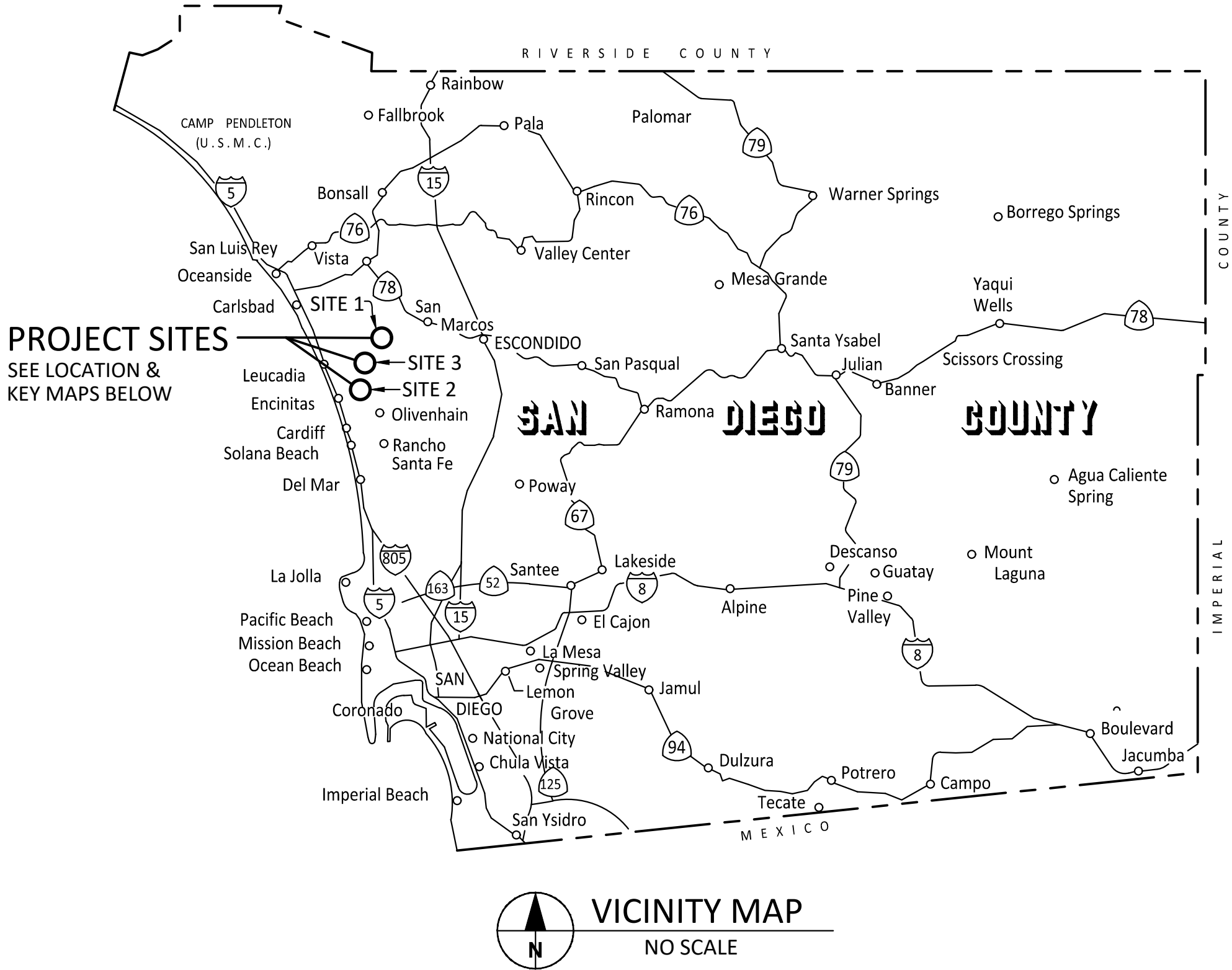
I HEREBY DECLARE THAT I AM THE ENGINEER OF WORK FOR THIS PROJECT, THAT I HAVE EXERCISED RESPONSIBLE CHARGE OVER THE DESIGN OF THE PROJECT AS DEFINED IN SECTION 6703 OF THE BUSINESS AND PROFESSIONS CODE, AND THAT THE DESIGN IS CONSISTENT WITH CURRENT STANDARDS.

I UNDERSTAND THAT THE CHECK OF PROJECT DRAWINGS AND SPECIFICATIONS BY THE DISTRICT, THE CITY OF ENCINITAS AND THE CITY OF CARLSBAD DOES NOT RELIEVE ME AS ENGINEER OF WORK, OF MY RESPONSIBILITIES FOR PROJECT DESIGN.

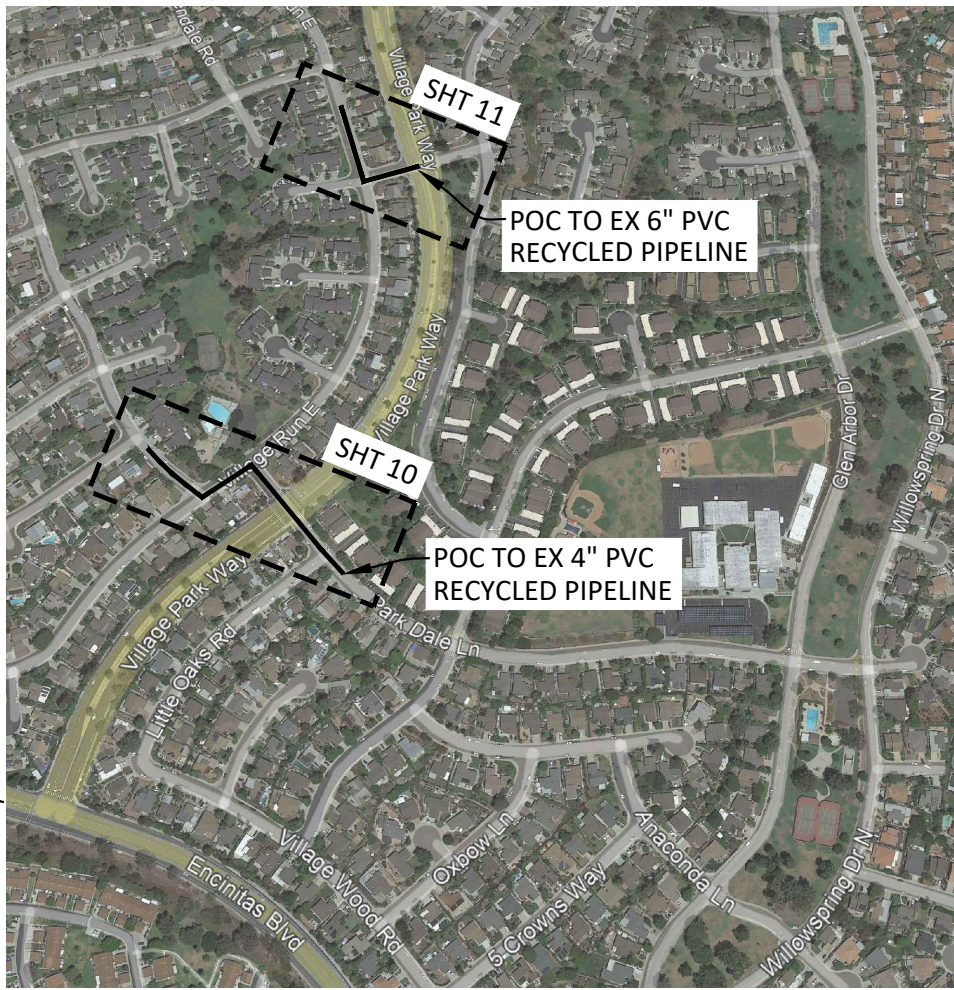
FIRM: HOCH CONSULTING
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CITY, ST.: OCEANSIDE, CALIFORNIA 92054
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BY: ADAM HOCH, PE DATE: 07-07-2023
RCE NO.: C77635
REGISTRATION EXPIRATION DATE: 06-30-25

OLIVENHAIN MUNICIPAL WATER DISTRICT

LARS 07/21/2023
ACCEPTED BY DATE



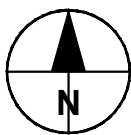
CALLE BARCELONA, CALLE SAN FELIPE, VIA SAN CLEMENTE
& CAMINO CORONADO
SITE NO. 1 - CITY OF CARLSBAD



PARK DALE LN & GATEPOST RD
SITE NO. 2 - CITY OF ENCINITAS



VILLAGE CENTER DR & SUMMERHILL DR
SITE NO. 3 - CITY OF ENCINITAS



LOCATION & KEY MAPS

1" = 500'

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OLIVENHAIN
Municipal Water District
1966 Olivenhain Road
Encinitas, CA 92024 (760)753-6466

RECYCLED WATER PIPELINE EXTENSIONS FOR
CALLE BARCELONA, VILLAGE PARK & SUMMERHILL
TITLE SHEET, SHEET INDEX, VICINITY MAP
LOCATION & KEY MAP

SHEET
1 OF 18

DRAWING
G-1

D800019

ORIGINAL SCALE IN INCHES

WORK TO BE DONE

THE WORK INCLUDES BUT NOT NECESSARILY LIMITED TO THE FOLLOWING:
THE CONSTRUCTION OF APPROX 5587 LF OF NEW 6" PVC RECYCLED WATER PIPELINE; AND 14 NEW RECYCLED WATER SERVICES, STANDARD RECYCLED WATER APPURTENANCES; DEWATERING OF TRENCH EXCAVATIONS; AND ALL INCIDENTAL WORK AS SHOWN OR OTHERWISE REQUIRED IN THE CONTRACT DOCUMENTS.

GENERAL NOTES

1.

THE CONTRACTOR SHALL DESIGN, CONSTRUCT, AND MAINTAIN ALL SAFETY DEVICES, INCLUDING SHORING, AND SHALL BE RESPONSIBLE FOR COMPLIANCE WITH ALL LOCAL, STATE, AND FEDERAL SAFETY AND HEALTH STANDARDS, LAWS, AND REGULATIONS. THE CONTRACTOR SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND WILL NOT BE LIMITED TO NORMAL WORKING HOURS.
2.

THE CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES REQUIRED TO PROTECT ADJACENT PROPERTIES AND IMPROVEMENTS DURING ALL PROJECT OPERATIONS. DAMAGED OR DESTROYED ITEMS SHALL BE REPAIRED OR REPLACED TO THE CONDITION EXISTING PRIOR TO WORK BY THE CONTRACTOR AT NO COST TO THE DISTRICT.
3.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY MONUMENTATION AND/OR BENCHMARKS WHICH WILL BE DISTURBED OR DESTROYED BY CONSTRUCTION. SUCH POINTS SHALL BE REFERENCED AND REPLACED WITH APPROPRIATE MONUMENTATION BY A LICENSED LAND SURVEYOR OR A REGISTERED CIVIL ENGINEER AUTHORIZED TO PRACTICE LAND SURVEYING. A CORNER RECORD OR RECORD OF SURVEY, AS APPROPRIATE, SHALL BE FILED BY THE LICENSED LAND SURVEYOR OR REGISTERED CIVIL ENGINEER AS REQUIRED BY THE LAND SURVEYOR'S ACT. THE CONTRACTOR SHALL PROTECT ALL EXISTING SURVEY MONUMENTS THAT ARE LOCATED WITHIN 10 FEET OF THE CENTERLINE OF CONSTRUCTION BY COVERING THE MONUMENTS WITH 1-INCH THICK STEEL PLATE DURING EXCAVATION AND BACKFILL OPERATIONS OR SHALL EMPLOY ALTERNATIVE PROTECTION MEASURES NECESSARY TO AVOID DISTURBANCE OR DAMAGE TO THE MONUMENTS. ALTERNATIVE PROTECTION MEASURES SHALL BE SUBMITTED FOR DISTRICT REVIEW AND APPROVAL IN ACCORDANCE WITH SECTION 01300.
4.

THESE DOCUMENTS HAVE BEEN PREPARED FOR A SPECIFIC PROJECT AND SHALL NEITHER BE ALTERED NOR REUSED FOR ANY OTHER PURPOSE. ALSO, THESE DOCUMENTS DO NOT REPRESENT AS-BUILT CONDITIONS. IF THESE DOCUMENTS ARE ALTERED INTENTIONALLY OR UNINTENTIONALLY, OR REUSED WITHOUT THE DESIGN ENGINEER'S WRITTEN APPROVAL, IT WILL BE AT THE SOLE RISK AND RESPONSIBILITY OF THE USER. THE ACT OF ALTERING OR REUSING IS CONSTRUED AS INDEMNIFYING AND HOLDING THE DESIGN ENGINEERING FIRM AND ITS EMPLOYEES AND SUBCONSULTANTS HARMLESS FROM ALL CLAIMS, DAMAGES, AND EXPENSES, INCLUDING ATTORNEY FEES, ARISING OUT OF SUCH ACT.
5.

THE CONTRACTOR SHALL FURNISH TO THE ENGINEER OF WORK AS-BUILT PLANS FOR ALL NEW IMPROVEMENTS SHOWN ON THESE PLANS. ITEMS INCLUDE, BUT ARE NOT LIMITED TO, RECORDING FINAL FINISHED GRADE ELEVATION, CONTOURS, AND FINAL SLOPES.
6.

IF REQUIRED TO COMPLETE WORK, FINISH GRADE OF NEW CONCRETE PAVING SHALL CONFORM TO EXISTING SITE GRADES OR AS SHOWN ON THESE DRAWINGS AS DIRECTED BY THE ENGINEER. STRAIGHT GRADES SHALL BE MAINTAINED BETWEEN FINISH ELEVATIONS AS SHOWN.
7.

ALL SURPLUS SEDIMENT, EXCAVATED SOIL, AND DEBRIS SHALL BE LEGALLY DISPOSED OFF SITE. ALL COSTS FOR TRANSPORTATION AND DISPOSAL SHALL BE INCLUDED IN THEIR APPURTENANT ITEMS OF WORK. ESTIMATED QUANTITIES FOR EARTHWORK AND IMPORTED MATERIALS ARE APPROXIMATE AND CONTRACTOR SHALL DEVELOP HIS/HER OWN ESTIMATES FOR BIDDING PURPOSES.
8.

THE CONTRACTOR SHALL DEFEND, INDEMNIFY, AND HOLD THE DISTRICT AND HOCH CONSULTING, ITS EMPLOYEES, OFFICERS, AGENTS, OR SUBCONSULTANTS HARMLESS AGAINST ANY AND ALL CLAIMS BY ANY PARTIES ARISING FROM, OR RELATED TO, ANY AND ALL DAMAGES, INCLUDING LEGAL COSTS AND ATTORNEY'S FEES, RESULTING FROM INTERFERENCE WITH, INTERRUPTION OF, DAMAGE TO, OR ANY AND AL INJURIES WHICH RESULT FROM DAMAGE CAUSED TO SUBSURFACE INSTALLATION, WHICH IS UNFORESEEN AND DESPITE ENGINEER'S EFFORT DURING THE DESIGN PROCESS WAS NOT LOCATED, EXCEPTING ONLY THE GROSS NEGLIGENCE OR WILLFUL MISCONDUCT OF THE ENGINEER IN PROVIDING ITS SERVICES.
9.

NO REVISIONS WILL BE MADE TO THESE PLANS WITHOUT THE WRITTEN APPROVAL OF THE ENGINEER, NOTED WITHIN THE REVISION BLOCK, ON THE APPROPRIATE SHEET OF THE PLANS AND TITLE SHEET.
10.

CONTRACTOR SHALL ADJUST EXISTING WATER SERVICES TO ACCOMMODATE MAINLINE CONSTRUCTION.
11.

THE CONTRACTOR SHALL CONFORM TO LABOR CODE SECTION 6705 BY SUBMITTING A DETAIL PLAN TO THE ENGINEER THE DESIGN OF SHORING, BRACING SLOPE OR OTHER PROVISIONS TO BE MADE OF WORKER PROTECTION FROM THE HAZARD OF CAVING GROUND DURING THE EXCAVATION OF SUCH TRENCH OR TRENCHES OR DURING THE PIPE INSTALLATION THEREIN. THIS PLAN MUST BE PREPARED FOR ALL TRENCHES FIVE FEET (5') OR MORE IN DEPTH AND APPROVED BY THE CITY ENGINEER AND/OR CONCERNED AGENCY PRIOR TO EXCAVATION. IF THE PLAN VARIES FROM THE SHORING SYSTEM STANDARDS ESTABLISHED BY THE CONSTRUCTION SAFETY ORDERS, TITLE 8 CALIFORNIA ADMINISTRATIVE CODE, THE PLAN SHALL BE PREPARED BY A REGISTERED ENGINEER AT THE CONTRACTORS EXPENSE. A COPY OF THE OSHA EXCAVATION PERMIT MUST BE SUBMITTED TO THE INSPECTOR PRIOR TO EXCAVATION.
12.

THE EXISTENCE AND LOCATION OF UTILITY STRUCTURES AND FACILITIES SHOWN ON THE CONSTRUCTION PLANS WERE OBTAINED BY A SEARCH OF THE AVAILABLE RECORDS. ATTENTION IS CALLED TO THE POSSIBLE EXISTENCE OF OTHER UTILITY FACILITIES OR STRUCTURES NOT SHOWN OR IN A LOCATION DIFFERENT FROM THAT SHOWN ON THE PLANS. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT THE UTILITIES SHOWN ON THE PLANS AND ANY OTHER EXISTING FACILITIES OR STRUCTURES NOT SHOWN.
13.

THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING FACILITIES (ABOVEGROUND AND UNDERGROUND) WITHIN THE PROJECT SITE SUFFICIENTLY AHEAD OF THE CONSTRUCTION TO PERMIT THE REVISIONS OF THE CONSTRUCTION PLANS IF IT IS FOUND THAT THE ACTUAL LOCATIONS ARE IN CONFLICT WITH THE PROPOSED WORK.
14.

THE CONTRACTOR SHALL NOTIFY AFFECTED UTILITY COMPANIES (SEE BELOW) AT LEAST TWO FULL WORKING DAYS PRIOR TO STARTING CONSTRUCTION NEAR THEIR FACILITIES AND SHALL COORDINATE WORK WITH A COMPANY REPRESENTATIVE.
- CALL DIGALERT - 811
15.

ITEMS THAT ARE NOT IDENTIFIED AS "TO BE REMOVED AND DISPOSED" SHALL BE PROTECTED-IN-PLACE. THIS INCLUDES, BUT NOT LIMITED TO, EXISTING SIDEWALK, CURB AND GUTTER, CURB OUTLETS, DRAINAGE STRUCTURES, FENCES, IRRIGATION AND LANDSCAPING.
16.

ACCESS FOR FIRE AND OTHER EMERGENCY VEHICLES SHALL BE MAINTAINED TO THE PROJECT SITE AT ALL TIMES DURING CONSTRUCTION.
17.

IF ANY ARCHAEOLOGICAL RESOURCES ARE DISCOVERED WITHIN ANY WORK ZONE DURING CONSTRUCTION, OPERATIONS SHALL CEASE IMMEDIATELY, AND THE CONTRACTOR SHALL NOTIFY THE DISTRICT. OPERATIONS SHALL NOT RESTART UNTIL THE CONTRACTOR HAS RECEIVED WRITTEN AUTHORITY FROM THE CITY ENGINEER TO DO SO.
18.

ALL OFF-SITE HAUL ROUTES SHALL BE SUBMITTED BY THE CONTRACTOR TO THE CITY ENGINEER FOR APPROVAL TWO FULL WORKING DAYS PRIOR TO BEGINNING OF WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DEBRIS OR DAMAGE OCCURRING ALONG THE HAUL ROUTE OR ADJACENT STREETS AS A RESULT OF THE HAULING.
19.

UNLESS OTHERWISE INDICATED, SUBSURFACE UTILITY DATA IS DEPICTED TO LEVEL C AS DEFINED IN "STANDARD GUIDELINE FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA" C/ASCE 38-02. LEVEL C INCLUDES SURVEYING SURFACE UTILITY FEATURES AND CORRELATING APPLICABLE UTILITY RECORDS TO THE SURVEYED FEATURES.

GENERAL NOTES (CONT)

20.

SECTION 4216/4217 OF THE GOVERNMENT CODE REQUIRES THAT A DIG ALERT IDENTIFICATION NUMBER BE ISSUED BEFORE A "PERMIT TO EXCAVATE" WILL BE VALID. FOR DIG ALERT ID NUMBER CALL UNDERGROUND SERVICE ALERT TOLL FREE 811 TWO FULL WORKING DAYS BEFORE YOU DIG.
21.

WHERE THE NEW RECYCLED WATER LINE CROSSES AN EXISTING STORM DRAIN WITHIN 24-INCHES, THE CONTRACTOR SHALL WRAP THE NEW RECYCLED WATER LINE IN A MIRAFI 140NL GEOTEXTILE "BURRITO" ON 10-FEET EITHER SIDE OF THE CROSSING. BURRITO SHALL ENCAPSULATE THE ENTIRE PIPE ZONE AND GEOTEXTILE SHALL OVERLAP A MINIMUM OF 12-INCHES.
22.

CONTRACTOR SHALL PROVIDE 2-SACK SLURRY BACKFILL IF DISTRICT ALLOWS TUNNELING UNDER INFRASTRUCTURE (e.g. CURB, GUTTER AND SIDEWALK) FOR CONSTRUCTION OF APPURTENANCES.
23.

FOR TEES AT STA 11+43.86 AND STA 23+43.75, CONTRACTOR SHALL CALCULATE REQUIRED RESTRAINT LENGTH OF THE BRANCH (Lb) BASED ON THE RESTRAINED LENGTH OF PIPE IN THE RUN (Lr) AS DETERMINED IN THE FIELD USING THE EBAA IRON JOINT RESTRAINT CALCULATOR. THE LENGTH OF PIPE (Lr) MUST BE OF SOLID PIPE WITHOUT JOINTS, FITTINGS, VALVES, ETC. PIPE MATERIAL SHALL BE PVC, SOIL TYPE SHALL BE SW, SAFETY FACTOR SHALL BE 3:1, TRENCH TYPE SHALL BE S, DEPTH OF BURY SHALL BE 4-FT, TEST PRESSURE SHALL BE 250 PSI, FITTING TYPE SHALL BE TEE, NOMINAL SIZE SHALL BE 6", BRANCH SIZE SHALL BE 6". CONTRACTOR SHALL INSTALL JOINT RESTRAINTS PER THOSE CALCULATIONS AT NO ADDITIONAL COST TO THE DISTRICT.

GENERAL RECYCLED WATER SYSTEM NOTES

1.

THE RECYCLED WATER SYSTEM SHALL CONFORM TO THE RULES AND REGULATIONS FOR RECLAIMED AND NON POTABLE WATER SERVICE OF THE OLIVENHAIN MUNICIPAL WATER DISTRICT, ORDINANCE NO. 175, DATED MARCH 1989, AND ALL SUBSEQUENT AMENDMENTS.
2.

RECYCLED WATER WORKS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE DETAILS AND MATERIALS AS SPECIFIED IN THE MOST RECENT EDITION OF THE OLIVENHAIN MUNICIPAL WATER DISTRICT (DISTRICT) STANDARD SPECIFICATIONS FOR THE CONSTRUCTION OF WATER MAINS AND FACILITIES, INCLUDING ALL AMENDMENTS ADOPTED PRIOR TO THE DISTRICT APPROVAL DATE ON THESE PLANS. CONTRACTOR SHALL HAVE A COPY OF THE OMWD STANDARD SPECIFICATIONS ON THE JOB SITE AT ALL TIMES.
3.

THE SUBMISSION AND REVIEW OF ALL SUBMITTALS (SHOP DRAWINGS, SIX SETS) AS REQUIRED BY THE OMWD STANDARD SPECIFICATIONS ARE TO BE ACCOMPLISHED PRIOR TO THE PRE-CONSTRUCTION MEETING WITH THE DISTRICT'S INSPECTOR.
4.

UNLESS OTHERWISE NOTED, CONNECTIONS TO EXISTING MAINS SHALL BE MADE DRY. THE TIME AND DURATION OF ANY SHUTDOWNS OF EXISTING MAINS SHALL BE SUBJECT TO APPROVAL BY THE DISTRICT. DISTRICT SHALL BE NOTIFIED THREE WEEKS MINIMUM IN ADVANCE OF ANY SHUTDOWN.
5.

CONTRACTOR SHALL COORDINATE WITH DISTRICT ALL ARRANGEMENTS FOR HIGH-LINING TEMPORARY SERVICES PRIOR TO SHUTDOWNS. NO SHUTDOWNS WILL BE SCHEDULED ON A MONDAY OR FRIDAY.
6.

CONTRACTOR SHALL REVIEW ALL PROPOSED TRENCH WORK WITH CAL/OSHA. A COPY OF EXEMPTION LETTER OR TRENCHING PERMIT, IF REQUIRED, SHALL BE SUBMITTED TO THE DISTRICT PRIOR TO CONSTRUCTION.
7.

NO WORK MAY BEGIN OR PROCEED WITHOUT DIRECTION OF DISTRICT'S INSPECTOR. CONTRACTOR SHALL NOTIFY THE DISTRICT INSPECTIONS DEPARTMENT 48 HOURS PRIOR TO THE BEGINNING OF WORK TO ARRANGE FOR INSPECTION OF THE PROJECT.
8.

THE CONTRACTOR MUST CALL "DIG ALERT OF SOUTHERN CALIFORNIA" TO HAVE UNDERGROUND SERVICE UTILITIES LOCATED PRIOR TO CONSTRUCTION. THIS CALL WILL BE MADE AT LEAST 48 HOURS IN ADVANCE PRIOR TO ANY WORK BEING PERFORMED IN PUBLIC RIGHT-OF-WAY.
9.

ALL EXISTING FACILITIES WHICH MAY AFFECT FINAL CONSTRUCTION, I.E., LINE CROSSINGS, LINE PARALLELING, OR PROPOSED CONNECTIONS SHALL BE FIELD VERIFIED.
10.

THE CONTRACTOR SHALL FURNISH AND INSTALL PER THE OMWD STANDARD SPECIFICATIONS THE APPROPRIATE BURIED UTILITY WARNING AND IDENTIFICATION TAPE ABOVE ALL PUBLIC RECYCLED WATER LINES INCLUDING RECYCLED WATER LATERALS LOCATED IN PUBLIC RIGHT-OF-WAY.
11.

RECYCLED WATER MAIN SHALL BE PURPLE PVC PIPE AWWA C 900, WITH TWO CONTINUOUS METALLIC TAPE STRIPS, STAMPED "RECYCLED WATER." STRIPS SHALL BE SET AT TOP OF PIPE AND AT 12" ABOVE THE PIPE.
12.

WHERE ELEVATIONS AND GRADES ARE NOT SHOWN ON THE WATER MAIN PROFILE, TOP OF PIPE PROFILE IS 66-INCHES BELOW CENTERLINE OF FINISH GRADE OF STREET.
13.

ALL DEFLECTIONS (HORIZONTAL AND VERTICAL) SHALL BE MADE BY USE OF JOINT COUPLINGS WITH 4" MAXIMUM DEFLECTION PER COUPLING (2" PER JOINT). NO BENDING (CURVING) OF PIPE SHALL BE PERMITTED.
14.

MANUAL AIR RELEASES SHALL BE INSTALLED AT ALL HIGH POINTS AND BLOW-OFFS AT ALL LOW POINTS IN THE WATER MAIN PROFILE. MANUAL AIR RELEASES AND BLOW-OFFS SHALL BE LOCATED BEHIND CURB UNLESS OTHERWISE APPROVED BY DISTRICT'S REPRESENTATIVE.
15.

INSTALL RECYCLED WATER SERVICE(S) IN ACCORDANCE WITH SIZE(S) DEFINED ON THE DRAWINGS. LOCATIONS OF RECYCLED WATER METERS ARE SUBJECT TO APPROVAL BY DISTRICT'S INSPECTOR. 3/4-INCH HIGH LETTERS "RW" SHALL BE CHISELED IN TOP OF EXISTING CURB OR IMPRINTED IN NEW CURB AT ALL RECYCLED WATER SERVICE CROSSINGS.
16.

METER BOXES SHALL NOT BE PLACED WITHIN DRIVEWAYS OR SIDEWALKS WITHOUT THE DISTRICT'S PRIOR WRITTEN CONSENT.
17.

CONTRACTOR TO THE TIE OFF ALL VALVE LOCATIONS AND PROVIDE WRITTEN DIMENSIONS TO INSPECTOR IMMEDIATELY UPON INSTALLATION OF VALVES.
18.

LINE VALVES, WHERE REQUIRED AT STREET INTERSECTIONS SHALL BE LOCATED AT THE TEE WHENEVER POSSIBLE.
19.

ALL DESIGN CHANGES TO THE RECYCLED WATER SYSTEM SHALL BE APPROVED BY THE DISTRICT REPRESENTATIVE IN WRITING PRIOR TO CONSTRUCTION AND ACCEPTANCE OF THE CHANGE.
20.

THE RECYCLED WATER SYSTEM SHALL BE PRESSURE TESTED IN ACCORDANCE WITH THE PROCEDURES IN THE OMWD STANDARD SPECIFICATIONS. THE CLASS OF PIPE SHALL BE USED AS THE DESIGNATED WORKING PRESSURE FOR TESTING ALL PIPE, VALVES (CLOSED) AND APPURTENANCES.
21.

CONTRACT RECORD DRAWINGS MUST BE SUBMITTED PRIOR TO FINAL ACCEPTANCE OF WORK. THE PLANS MUST PROVIDE POST CONSTRUCTION VERIFICATION OF THE LOCATION AND ELEVATION OF PIPES AND APPURTENANCES.
22.

CONTRACTOR SHALL GUARANTEE ALL WORK FOR A PERIOD OF TWO (2) YEARS AFTER THE DATE OF ACCEPTANCE FOR THE PROJECT. CONTRACTOR SHALL REPAIR OR REPLACE ANY OR ALL SUCH WORK, TOGETHER WITH ANY OTHER WORK WHICH MAY BE DISPLACED IN SO DOING THAT MAY PROVE DEFECTIVE IN WORKMANSHIP AND/OR MATERIALS WITHIN THE ONE-YEAR PERIOD FROM THE DATE OF ACCEPTANCE WITHOUT EXPENSE WHATSOEVER TO THE DISTRICT, ORDINARY WEAR AND TEAR, UNUSUAL ABUSE OR NEGLIGENCE EXCEPTED.
23.

ALL BURIED FITTINGS AND VALVES SHALL BE WAX TAPE WRAPPED IN ACCORDANCE WITH OMWD STANDARD SPECIFICATIONS.
24.

ALL IRRIGATION METERS SHALL BE SERVED WITH RECYCLED WATER UNLESS PREVIOUSLY APPROVED IN WRITING BY THE DISTRICT.

ABBREVIATIONS

@	AT	MIN	MINIMUM
ACP	ASBESTOS CEMENT PIPE	MJ	MECHANICAL JOINT
AHD	AHEAD	MOD	MODIFIED
APPROX	APPROXIMATE	N	NORTHING
ASSY	ASSEMBLY	NG	NATURAL GROUND
BC	BEGINNING OF CURVATURE	OMWD	OLIVENHAIN MUNICIPAL WATER DISTRICT
BK	BACK	PCC	PORTLAND CEMENT CONCRETE /
BO	BLOW-OFF		POINT OF COMPOUND CURVATURE
CL	CENTERLINE, CLASS	PE	PLAIN END
CLR	CLEAR	PED	PEDESTRIAN
CONC	CONCRETE	PH	POTHOLE
CML&C	CEMENT MORTAR LINED & COATED	PRC	POINT OF REVERSING CURVATURE
CP	CATHODIC PROTECTION	PVC	POLYVINYL CHLORIDE
CPLG	COUPLING	RCB	REINFORCED CONCRETE BOX
DG	DECOMPOSED GRANITE	RCP	REINFORCED CONCRETE PIPE
DIP	DUCTILE IRON PIPE	REST	RESTRAINED
DRWWY	DRIVEWAY	REQ	REQUIRED
DWG	DRAWING	RFC	RESTRAINED FLANGE COUPLING ADAPTER
E	EASTING	RPBFA	REDUCED PRESSURE BACKFLOW PREVENTER
EC	END OF CURVATURE		ASSY
ECC	ECCENTRIC	R/W	RIGHT OF WAY
ELEV	ELEVATION	RW	RECYCLED WATER
E'LY	EASTERLY	RT	RIGHT
EX	EXISTING	SD	STORM DRAIN
F	FLANGE	SDCO	STORM DRAIN CLEANOUT
FC	FACE OF CURB	SDMH	STORM DRAIN MANHOLE
FCA	FLANGE COUPLING ADAPTER	SDSD	SAN DIEGO STANDARD DRAWING
FL	FLOWLINE	SDWD	SAN DIEGUITO WATER DISTRICT
FM	FORCE MAIN	STD	STANDARD
FO	FIBER OPTIC	STL	STEEL
FS	FINISH SURFACE	SWR	SEWER
GB	GRADE BREAK	TER	TERRACE
GV	GATE VALVE	TG	TOP OF GRATE
HDPE	HIGH DENSITY POLYETHYLENE	TOT	TOTAL
HP	HIGH POINT/HIGH PRESSURE	TYP	TYPICAL
INT	INTERSECTION	UNK	UNKNOWN
IRRIG	IRRIGATION	VCP	VITRIFIED CLAY PIPE
LF	LINEAR FEET	W/	WITH
LN	LANE	W'LY	WESTERLY
LT	LEFT	WTR	WATER
MAR	MANUAL AIR RELEASE		
MAX	MAXIMUM		
MH	MANHOLE		

LEGEND

	EX INDEX CONTOUR
	EX INTERMEDIATE CONTOUR
	EX RIGHT-OF-WAY
	EX WATER METER
	RECYCLED WATER METER
	EX FIRE HYDRANT
	WATER VALVE
	BLOWOFF ASSY
	FILL STATION ASSY
	COMB AIR RELEASE ASSY
	MANUAL AIR RELEASE ASSY
	EX BACK FLOW PREVENTER
	EX POWER POLE
	EX STREET LIGHT
	EX PULLBOX
	EX ELECTRIC CONTROL PANEL
	EX TELEPHONE RISER
	EX GATE VALVE
	EX SEWER MANHOLE
	EX SEWER CLEANOUT
	EX STORM DRAIN MANHOLE
	EX TREE
	EX SIGN
	GEOTECHNICAL BORING
	SURVEY MONUMENT
	POTHOLE LOCATION

BASIS OF COORDINATES & ELEVATIONS

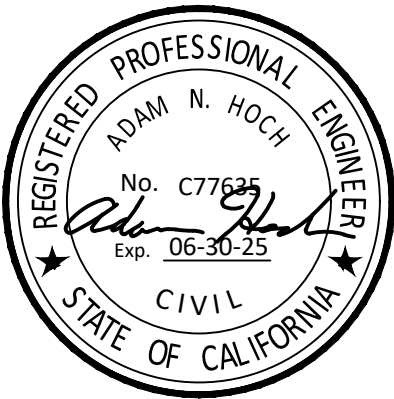
NAD 83 (1991.35 EPOCH)

CARLSBAD AND ENCINITAS PROJECT SURVEY CONTROL

HORIZONTAL DATUM IS BASED ON CALIFORNIA COORDINATE SYSTEM NAD83, ZONE 6 (1991.35 EPOCH). THE VERTICAL DATUM IS BASED ON NAVD 88 ELEVATIONS. SURVEY MONUMENTS FROM RECORD OF SURVEY 18416 WERE HELD FOR THE PRIMARY PROJECT CONTROL.

POINT NO. 1007, N 1969591.693, E 6251923.819, ELEV 84.683
POINT NO. 1030, N 1961044.005, E 6250269.682, ELEV 388.479

NOTE:
PROPERTY LINES, RIGHT-OF-WAY LINES, AND EASEMENT LINES SHOWN HEREON WERE ESTABLISHED FROM AVAILABLE RECORD MAPS AND ASSESSOR'S MAPS. NO TITLE REPORTS WERE REVIEWED FOR THIS PROJECT. SELECT RECORD MONUMENTS WERE TIED INTO THE PROJECT COORDINATE SYSTEM TO ORIENTATE RECORD MAPS. BEARINGS AND DISTANCES TAKEN FROM THIS DRAWING REPRESENT A BEST FIT COMPILATION OF RECORD DATA. THESE PROPERTY LINES, RIGHT-OF-WAY LINES, AND EASEMENT LINES ARE INTENDED TO BE USED FOR A GRAPHIC REPRESENTATION ONLY.



RECYCLED WATER PIPELINE EXTENSIONS FOR
CALLE BARCELONA, VILLAGE PARK & SUMMERHILL

GENERAL NOTES, GENERAL RECYCLED
WATER NOTES, ABBREVIATIONS, LEGEND,
BASIS OF COORDINATES & ELEVATIONS

SHEET
2 OF 18

DRAWING
G-2

D800019

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DESIGN	RR	DRAWN	RR	CHECKED	MARK	DATE	BY	REVISIONS
				AR/AH	/AG			

ORIGINAL SCALE IN INCHES

6 5 4 3 2 1

RECYCLED WATER MAIN SHUTDOWN NOTES

- FOR SHUTDOWNS THAT ARE NECESSARY TO ACCOMPLISH THE WORK, THE CONTRACTOR SHALL MAKE WRITTEN REQUEST TO OMWD AT LEAST THREE (3) CALENDAR WEEKS BEFORE THE SHUTDOWN. REQUESTS SHALL SPECIFY LOCATION, SIZE OF LINE, DURATION, DATE, AND TIME FOR EACH SHUTDOWN. WITHIN ONE (1) WEEK, THE DISTRICT WILL SCHEDULE SHUTDOWN AND GIVE WRITTEN NOTIFICATION TO THE CONTRACTOR. ANY SCHEDULE REVISIONS REQUESTED BY THE CONTRACTOR MUST BE IN WRITING. OMWD'S REVISED SCHEDULE WILL BE AVAILABLE WITHIN ONE (1) WEEK. THE DISTRICT DOES NOT GUARANTEE A TOTALLY DRY LINE. THE CONTRACTOR SHALL BE PREPARED TO DE-WATER AS NECESSARY TO ACCOMPLISH THE WORK.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ACCESSIBILITY TO THE VALVE OPERATING NUTS FOR ALL VALVES WITHIN THE PROJECT BOUNDARIES. FAILURE TO MAINTAIN ACCESSIBILITY TO VALVES SHALL BE CAUSE FOR CANCELING SHUTDOWN, AND THE CONTRACTOR WILL BE REQUIRED TO REQUEST A REVISED SCHEDULE.
- THE DISTRICT SHALL BE INDEMNIFIED FOR ANY AND ALL RESULTANT COSTS INCURRED BY THE CONTRACTOR SUCH AS, BUT NOT LIMITED TO TRAFFIC CONTROL, DELAYS, LOSS OF INCENTIVES, STANDBY AND PENALTIES IF THE CONTRACTOR DID NOT PROPERLY REQUEST A SHUTDOWN; FAILURE TO MAINTAIN ACCESSIBILITY TO VALVES; OR IF THE CONTRACTOR'S SCHEDULED WORK DID NOT PROGRESS TO THE ANTICIPATED SHUTDOWN SCHEDULE.

EXCAVATION NOTE

- THE CONTRACTOR SHALL OBTAIN AN EXCAVATION PERMIT FROM THE DIVISION OF INDUSTRIAL SAFETY BEFORE ANY EXCAVATION AND SHALL PROVIDE PROOF OF OSHA NOTIFICATION AND SHALL ADHERE TO ALL PROVISIONS OF THE STATE CONSTRUCTION SAFETY ORDERS.

SIGNING AND STRIPING NOTES

CITY OF ENCINITAS

- THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ALL SIGNING AND STRIPING THAT WAS REMOVED OR DAMAGED AS A RESULT OF CONSTRUCTION ACTIVITIES.
- ALL SIGNING, STRIPING AND PAVEMENT MARKINGS SHALL CONFORM TO THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (LATEST VERSION), THE CALTRANS STANDARD PLANS AND SPECIFICATIONS (LATEST VERSION), THESE PLANS AND THE SPECIAL PROVISIONS.
- ALL SIGNING AND STRIPING IS SUBJECT TO THE APPROVAL OF THE CITY OF ENCINITAS TRAFFIC DEPARTMENT PRIOR TO INSTALLATION.
- ANY DEVIATION FROM THESE SIGNING AND STRIPING PLANS SHALL BE APPROVED BY THE CITY OF ENCINITAS TRAFFIC DEPARTMENT TO ANY CHANGE IN THE FIELD.
- ALL STRIPING SHALL BE REFLECTIVE PER CALTRANS SPECIFICATIONS. STRIPING SHALL BE REPAINTED TWO WEEKS AFTER INITIAL PAINTING.
- ALL SIGNAGE SHALL BE REFLECTIVE PER ASTM DESIGNATION D4956 AND SHALL USE TYPE IV PRISMATIC REFLECTIVE SHEETING (HIGH INTENSITY PRISMATIC OR EQUAL) UNLESS OTHERWISE SPECIFIED. R1-1 "STOP", R1-2 "YIELD", R2-1 "SPEED LIMIT" AND STREET NAME SIGNS SHALL USE TYPE IX PRISMATIC CUBE-CORNER REFLECTIVE SHEETING (DIAMOND GRADE VIP OR EQUAL).
- PRIOR TO FINAL ACCEPTANCE OF STREET IMPROVEMENTS, ALL STREET STRIPING AND MARKINGS WITHIN A 500' PERIMETER OF THE CONSTRUCTION PROJECT WILL BE RESTORED TO A "LIKE NEW" CONDITION, IN A MANNER MEETING THE APPROVAL OF THE CITIES INSPECTOR.
- EXACT LOCATION OF STRIPING AND STOP LIMIT LINES SHALL BE APPROVED BY THE CITY OF ENCINITAS TRAFFIC DEPARTMENT PRIOR TO INSTALLATION.
- CONTRACTOR SHALL REMOVE ALL CONFLICTING PAINTED LINES, MARKINGS AND PAVEMENT. ALL PAVEMENT LEGENDS SHALL BE THE LATEST VERSION OF THE CALTRANS STENCILS.
- ALL CROSSWALKS, LIMIT LINES, STOP BARS, PAVEMENT ARROWS AND PAVEMENT LEGENDS SHALL BE THERMOPLASTIC UNLESS OTHERWISE SPECIFIED. PREFORMED THERMOPLASTIC ARROWS AND LEGENDS SHALL NOT BE ACCEPTABLE.
- SHOULD THERE BE ANY DAMAGE TO STOP BAR STRIPING, THE ENTIRE STOP BAR SHALL BE REMOVED AND NEW THERMO PLASTIC STOP BAR BE INSTALLED. ANY STRIPING TO BE REMOVED SHALL BE WET SANDBLASTED UNLESS APPROVED BY THE CITY OF ENCINITAS TRAFFIC DEPARTMENT.

CITY OF CARLSBAD

- THE CONTRACTOR IS RESPONSIBLE FOR INSTALLING ALL SIGNING AND STRIPING.
- SIGNING, STRIPING AND PAVEMENT MARKINGS SHALL CONFORM TO THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (FHWA'S MUTCD 2003 REVISION 1, AS AMENDED FOR USE IN CALIFORNIA), CALTRANS STANDARD SPECIFICATIONS (JULY 2006 OR LATEST VERSION THEREOF), THESE PLANS AND THE SPECIAL PROVISIONS.
- ALL SIGNING AND STRIPING IS SUBJECT TO THE APPROVAL OF THE TRANSPORTATION DIRECTOR OR HIS REPRESENTATIVE, PRIOR TO INSTALLATION.
- ANY DEVIATION FROM THESE SIGNING AND STRIPING PLANS SHALL BE APPROVED BY THE ENGINEER OF WORK AND PUBLIC WORKS DIRECTOR PRIOR TO ANY CHANGE IN THE FIELD.
- ALL SIGNING AND STRIPING SHALL BE REFLECTIVE PER CALTRANS SPECIFICATIONS. STRIPING SHALL BE REPAINTED TWO WEEKS AFTER INITIAL PAINTING. SIGNING SHALL USE ENCAPSULATED LENS REFLECTIVE SHEETING (HIGH INTENSITY OR EQUAL).
- PRIOR TO FINAL ACCEPTANCE OF STREET IMPROVEMENTS, ALL STREET STRIPING AND AND MARKINGS WITHIN A 500' PERIMETER OF THE CONSTRUCTION PROJECT WILL BE RESTORED TO A "LIKE NEW" CONDITION, IN A MANNER MEETING THE APPROVAL OF THE CITY INSPECTOR.
- EXACT LOCATION OF STRIPING AND STOP LIMIT LINES SHALL BE APPROVED BY THE TRANSPORTATION DIRECTOR OR HIS REPRESENTATIVE PRIOR TO INSTALLATION.
- CONTRACTOR SHALL REMOVE ALL CONFLICTING PAINTED LINES, MARKINGS AND PAVEMENT LEGENDS BY GRINDING. DEBRIS SHALL BE PROMPTLY REMOVED BY THE CONTRACTOR.
- ALL PAVEMENT LEGENDS SHALL BE THE LATEST VERSION OF THE CALTRANS METRIC STENCILS.
- LIMIT LINES AND CROSSWALKS SHALL BE FIELD LOCATED. CROSSWALKS SHALL HAVE 10' INSIDE DIMENSION UNLESS OTHERWISE SPECIFIED.
- ALL CROSSWALKS, LIMIT LINES, STOP BARS, PAVEMENT ARROWS AND PAVEMENT LEGENDS SHALL BE THERMOPLASTIC UNLESS OTHERWISE SPECIFIED.
- FIRE HYDRANT PAVEMENT MARKERS SHALL CONFORM TO THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (FHWA'S MUTCD 2003 REVISION 1, AS AMENDED FOR USE IN CALIFORNIA) AND SAN DIEGO REGIONAL STANDARD DRAWING M-19.
- ALL MEDIAN NOSES AND FLARES SHALL BE PAINTED YELLOW.
- ALL SIGNS SHALL BE STANDARD SIZE AS SHOWN IN THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (FHWA'S MUTCD 2003 REVISION1, AS AMENDED FOR USE IN CALIFORNIA) UNLESS OTHERWISE SPECIFIED.

SIGNING AND STRIPING NOTES (CONT.)

CITY OF CARLSBAD

- SIGN POSTS SHALL BE SQUARE PERFORATED STEEL TUBING WITH BREAKAWAY BASE PER SAN DIEGO REGIONAL STANDARD DRAWING M-45.
- WHEN A SIGN IS ATTACHED TO A POLE, IT SHALL BE MOUNTED USING A STANDARD CITY OF CARLSBAD MOUNTING BRACKET WITH STRAPS.
- EXISTING SIGNS REMOVED BY THE CONTRACTOR SHALL BE DELIVERED BY THE CONTRACTOR TO THE CITY OF CARLSBAD PUBLIC WORKS YARD AT 405 OAK AVENUE.
- ALL SIGNS SHOWN ON THESE PLANS SHALL BE NEW SIGNS PROVIDED AND INSTALLED BY THE CONTRACTOR EXCEPT THOSE SIGNS SPECIFICALLY SHOWN AS EXISTING TO BE RELOCATED OR TO REMAIN.
- (IF NECESSARY) WHERE R4-7 SIGN AND OM1-3 OBJECT MARKER ARE TO BE INSTALLED IN A 2-FOOT WIDE MEDIAN NOSE, THE R4-7 SIGN SHALL BE 18" x 24" AND THE OM1-3 OBJECT MARKER SHALL BE 12" x 12"

TRAFFIC CONTROL, STAGING NOTES & WORK HOURS

- WORK HOURS TO BE RESTRICTED TO 8:30AM TO 3:30PM UNLESS APPROVED OTHERWISE WITH THE AGENCY OF JURISDICTION. ADDITIONAL RESTRICTIONS TO WORK HOURS ARE DESCRIBED IN THE SPECIAL PROVISIONS.
- TRAFFIC CONTROL SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. CONTRACTOR SHALL COORDINATE WITH THE AGENCY OF JURISDICTION.
- AT LEAST ONE PERSON SHALL BE ASSIGNED TO FULL TIME MAINTENANCE OF TRAFFIC CONTROL DEVICES ON ALL NIGHT LANE CLOSURES.
- ALL WARNING SIGNS FOR NIGHT LANE CLOSURES SHALL BE ILLUMINATED REFLECTORIZED AS SPECIFIED IN THE SPECIFICATIONS.
- ALL ADVANCE WARNING SIGN INSTALLATIONS SHALL BE EQUIPPED WITH FLAGS FOR DAYTIME CLOSURES OF ALL MAJOR AND PRIME ARTERIALS. FLASHING BEACONS SHALL BE USED DURING NIGHT LANE CLOSURES.
- A G20-2 "END ROAD WORK" SIGN SHALL BE PLACED AT THE END OF THE LANE CLOSURE UNLESS THE END OF THE WORK AREA IS OBVIOUS, OR ENDS WITHIN A LARGER PROJECT LIMITS.
- ALL CONES USED FOR NIGHT LANE CLOSURES SHALL BE ILLUMINATED TRAFFIC CONES OR FITTED WITH 13" REFLECTIVE SLEEVES.
- FLASHING ARROW SIGNS SHALL BE USED PER THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CALIFORNIA MUTCD, LATEST EDITION) SILENT TYPE SHALL BE USED IN RESIDENTIAL AREAS.
- THE MAXIMUM SPACING BETWEEN CONES IN A TAPER OR A TANGENT SHALL BE PER JURIDICTIONAL AGENCY REQUIREMENTS.
- ADDITIONAL ADVANCE FLAGGERS SHALL BE REQUIRED WHEN TRAFFIC QUEUES DEVELOP. FLAGGER STATIONS FOR WORK AT NIGHT SHALL BE ILLUMINATED AS NOTED IN SECTION 6G.20 OF THE MUTCD.
- PLACE C30 (CA) "LANE CLOSED" SIGN AT 500'-1000' INTERVALS THROUGHOUT EXTENDED WORK AREAS.
- ALL REQUIRED SIGNS THAT ARE TO BE LEFT IN PLACE OVER A WEEKEND OR HOLIDAY SHALL BE POST MOUNTED USING SQUARE PERFORATED STEEL TUBING WITH BREAKAWAY BASE PER SDRSD M-45.
- CONSTRUCTION AREA TRAFFIC CONTROL DEVICES SHALL MEET THE PROVISIONS OF SECTION 12 OF THE MOST RECENT EDITION OF THE CALTRANS STANDARD SPECIFICATIONS.
- ALL DRIVEWAYS SHALL REMAIN OPEN AND CLEAR OF ANY OBSTRUCTIONS AT ALL TIMES.
- ALL TRAVEL LANES SHALL BE A MINIMUM OF 12-FEET WIDE.
- THE CONTRACTOR SHALL REPAIR OR REPLACE ALL EXISTING IMPROVEMENTS WITHIN THE RIGHT-OF-WAY WHICH ARE NOT DESIGNATED FOR REMOVAL WHICH ARE DAMAGED OR REMOVED AS A RESULT OF OPERATIONS. TRENCH REPAIR SHALL BE IN ACCORDANCE WITH THE CITY WITH JURISDICTION STANDARDS.

HORIZONTAL BORING FOR METER SERVICE CONNECTIONS

- FOR METER SERVICE PIPES 1-INCH OR LARGER IN DIAMETER, THE MAXIMUM BORE HOLE SIZE PERMISSIBLE SHALL BE TWICE THE INTERNAL DIAMETER OF THE SERVICE LINE BEING INSTALLED. FOR METER SERVICE PIPES SMALLER THAN 1-INCH IN DIAMETER, THE MAXIMUM BOREHOLE SIZE SHALL BE (2) INCHES IN DIAMETER.

GENERAL TRAFFIC SIGNAL NOTES

- DAMAGE TO TRAFFIC SIGNAL CONDUIT OR WIRING SHALL BE REPAIRED IMMEDIATELY AT NO COST TO THE CITY WITH JURISDICTION OR THE DISTRICT.
- THE TRAFFIC LOOPS SHALL BE REPLACED WITHIN 3 DAYS OF COMPLETING WORK IN THE AREA TO CURRENT CALTRANS STANDARD TO DETECT BICYCLES PER TRAFFIC OPERATIONS POLICY DIRECTIVE 09-06 AT NO COST TO THE CITY OF JURISDICTION OR THE DISTRICT.

CITY OF ENCINITAS NOTES - CITY TREES

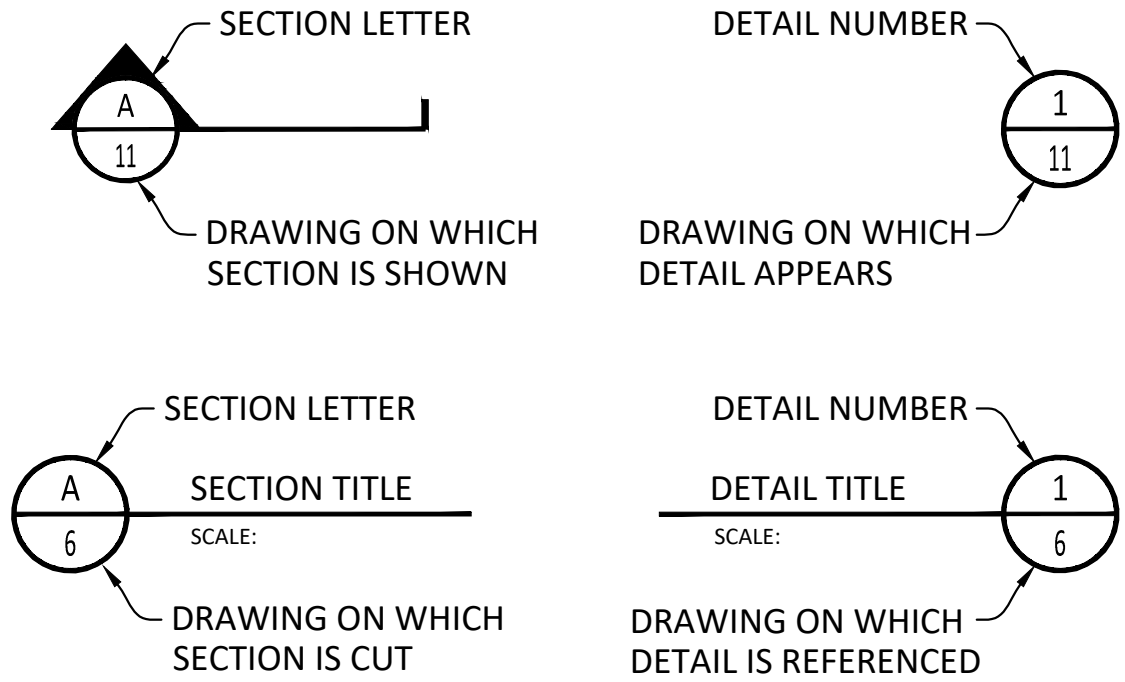
TREES WITH TRUNKS GREATER THAN 3 INCHES IN DIAMETER SHALL BE HANDLED BY THE CONTACTOR ACCORDING TO THE FOLLOWING REQUIREMENTS:

- ALL TREES IN THE VICINITY OF THE PROJECT SHALL BE PROTECTED IN PLACE. TREES LOCATED WITHIN THE CITY OF ENCINITAS' STREET RIGHT-OF-WAY, ON CITY OF ENCINITAS PROPERTY, OR WITHIN CITY OF ENCINITAS EASEMENTS ARE REFERRED TO AS CITY TREES AND SHALL BE PROTECTED IN PLACE DURING CONSTRUCTION UNLESS SPECIFICALLY APPROVED OTHERWISE BY THE CITY ARBORIST. NO GRADING, EXCAVATION, OR DISTURBANCE OF CITY TREE ROOT SYSTEMS SHALL OCCUR WITHIN THE CITY TREE DRIP LINE AREA (THE AREA FROM THE TRUNK OF THE TREE TO THE OUTERMOST EDGE OF THE TREE CANOPY PROJECTION ON THE GROUND). WATER PIPELINES AND APPURTENANCES SHALL NOT BE CONSTRUCTED WITHIN THE DRIP LINE OF CITY TREES.
- ANY CITY TREE SHALL BE PROTECTED IN PLACE IN ACCORDANCE WITH CITY OF ENCINITAS URBAN FOREST MANAGEMENT PROGRAM ADMINISTRATIVE MANUAL PROCEDURES DATED FEBRUARY 12, 2012, AND AS REQUIRED BY THE DISTRICT REPRESENTATIVE AND CITY OF ENCINITAS ARBORIST. TREE PROTECTION SHALL INCLUDE, BUT NOT BE LIMITED TO, NOT CUTTING ANY TREE ROOT GREATER THAN 2 INCHES IN DIAMETER, AND HAND-DIGGING AROUND TREE ROOTS.
- ANY TREE THAT IS DAMAGED, AS DEFINED BY THE CITY OF ENCINITAS ARBORIST, SHALL BE REPLACED IN KIND BY THE CONTRACTOR, AT NO ADDITIONAL COST TO THE DISTRICT OR THE CITY OF ENCINITAS.

MONUMENTATION / SURVEY NOTES

THE CONTRACTOR SHALL BE RESPONSIBLE FOR SURVEY MONUMENTS AND/OR VERTICAL CONTROL BENCHMARKS WHICH ARE DISTURBED OR DESTROYED BY CONSTRUCTION. A LICENSED LAND SURVEYOR OR LICENSED CIVIL ENGINEER AUTHORIZED TO PRACTICE LAND SURVEYING IN THE STATE OF CALIFORNIA SHALL FIELD LOCATE, REFERENCE, AND/OR PRESERVE ALL HISTORICAL OR CONTROLLING MONUMENTS PRIOR ANY EARTHWORK, DEMOLITION OR SURFACE IMPROVEMENTS. IF DESTROYED, A LICENSED LAND SURVEYOR SHALL REPLACE SUCH MONUMENT(S) WITH APPROPRIATE MONUMENTS. WHEN SETTING SURVEY MONUMENTS USED FOR RE-ESTABLISHMENT OF THE DISTURBED CONTROLLING SURVEY MONUMENTS AS REQUIRED BY SECTIONS 6730.2 AND 8771 OF THE BUSINESS AND PROFESSIONS CODE OF THE STATE OF CALIFORNIA. A CORNER RECORD OR RECORD OF SURVEY, AS APPROPRIATE, SHALL BE FILLED WITH THE COUNTY SURVEYOR. IF ANY VERTICAL CONTROL IS TO BE DISTURBED OR DESTROYED, THE CITY OF ENCINITAS FIELD SURVEY SECTION SHALL BE NOTIFIED IN WRITING AT LEAST 7 DAYS PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST OF REPLACING AND VERTICAL CONTROL BENCHMARKS DESTROYED BY THE CONSTRUCTION.

SECTION & DETAIL IDENTIFICATION



RECYCLED WATER PIPELINE EXTENSIONS FOR
CALLE BARCELONA, VILLAGE PARK & SUMMERHILL

SIGNING AND STRIPING NOTES, TRAFFIC
CONTROL NOTES, MISC NOTES & SECTION
& DETAIL SYMBOLS

SHEET
3 OF 18

DRAWING
G-3

D800019

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www.hochconsulting.com

OLIVENHAIN
Municipal Water District
1966 Olivenhain Road
Encinitas, CA 92024 (760)753-6466

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DRAWN RR
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MARK DATE BY REVISIONS

ORIGINAL SCALE IN INCHES
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210

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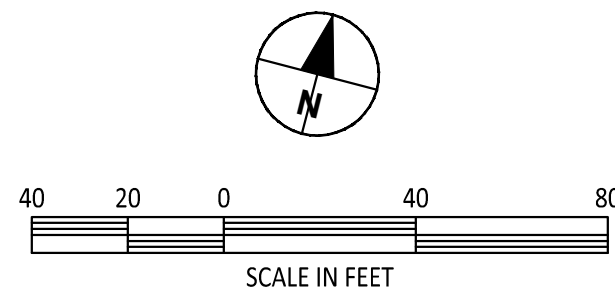
MATCHLINE 18+00 - SEE SHEET 4

MATCHLINE 26+00 - SEE SHEET 6

PROFILE SCALE:
HORIZ: 1" = 40'
VERT: 1" = 8'

CONSTRUCTION NOTES:

1. INSTALL RECYCLED WTR IRRIGATION SERVICE PER OMWD STD DWG B-1.2. METER BOX SHALL BE COLORED PURPLE & HEAT BRANDED. PRIVATE CUSTOMER SERVICE LINE (NOT SHOWN) BY OTHERS.
2. FOR TRENCH RESURFACING WITHIN THE CITY OF CARLSBAD SEE SHEETS 14 & 17.
3. REMOVE & REPLACE PORTION OF EX CROSS GUTTER PER SDRSD G-12. SAWCUT AT EX JOINTS.
4. REPLACE EX CROSSWALK, LANE STRIPING & LETTERING DAMAGED BY CONSTRUCTION ACTIVITIES.
5. REPLACE ALL TRAFFIC LOOPS AND WIRING DAMAGED DURING CONSTRUCTION ACTIVITIES. NO SPLICING ALLOWED.
6. REMOVE & REPLACE EX CURB & GUTTER PER SDRSD G-2 SAWCUT AT EX JOINTS.
7. REMOVE & REPLACE EX SIDEWALK PER SDRSD G-7 SAWCUT AT EX JOINTS.
8. RECYCLED WTR SYSTEM APPURTENANCE SYMBOLS SHOWN AT RECYCLED WTR MAIN CONNECTION. FINAL PLACEMENTS SHALL BE BEHIND SIDEWALK PER STD & DETERMINED IN THE FIELD BY A DISTRICT REPRESENTATIVE.
9. PROTECT EX IRRIGATION & LANDSCAPING. REPLACE IN KIND ANY ITEMS REMOVED OR DAMAGED.



CALLE BARCELONA

SCALE: 1" = 40'

RECYCLED WATERLINE ALIGNMENT TABLE				
NO.	BEARING/DELTA	RADIUS	LENGTH	REMARKS
①	65°23'34"	544.00'	620.88'	6" PVC C-900 PURPLE (DR14)
②	N 38°27'04" E	-	30.71'	6" PVC C-900 PURPLE (DR14)
③	N 49°43'04" E	-	148.41'	6" PVC C-900 PURPLE (DR14)

SITE NO. 1



RECYCLED WATER PIPELINE EXTENSIONS FOR
CALLE BARCELONA, VILLAGE PARK & SUMMERHILL

CALLE BARCELONA
STA 18+00 TO STA 26+00 - PLAN & PROFILE

SHEET
5 OF 18

DRAWING
C-2

D800019

OLIVENHAIN

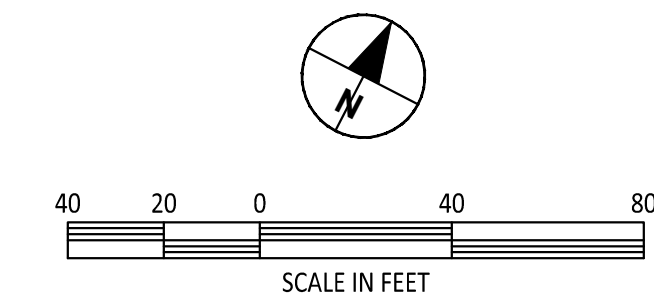
Municipal Water District
1966 Olivenhain Road
Encinitas, CA 92024 (760)753-6466

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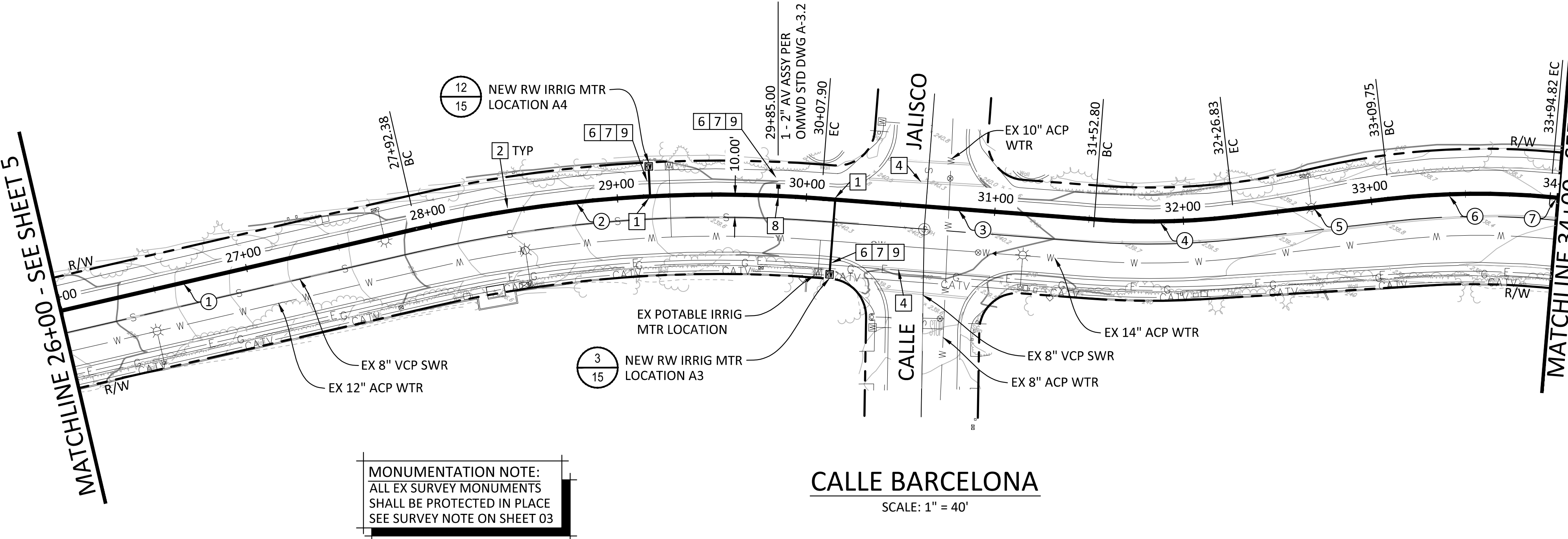
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ORIGINAL SCALE IN INCHES



METER TABLE				
NO.	SIZE	ACCOUNT	TYPE	OWNER
A3	1"	226445	IRRIG	LA CRESTA HOA
A4	2"	226425	IRRIG	SANTA FE SONATA HOA

FINAL METER PLACEMENT SHALL BE DETERMINED IN THE FIELD BY A DISTRICT REPRESENTATIVE.



CALLE BARCELONA

SCALE: 1" = 40'

RECYCLED WATERLINE ALIGNMENT TABLE					
NO.	BEARING/DELTA	RADIUS	LENGTH	REMARKS	
①	N 49°43'04" E	-	192.38'	6" PVC C-900 PURPLE (DR14)	
②	17°20'37"	712.00'	215.52'	6" PVC C-900 PURPLE (DR14)	
③	N 67°03'41" E	-	144.90'	6" PVC C-900 PURPLE (DR14)	
④	10°55'51"	388.00'	74.03'	6" PVC C-900 PURPLE (DR14)	
⑤	N 56°07'50" E	-	82.92'	6" PVC C-900 PURPLE (DR14)	
⑥	11°49'50"	412.00'	85.07'	6" PVC C-900 PURPLE (DR14)	
⑦	N 67°57'40" E	-	5.18'	6" PVC C-900 PURPLE (DR14)	

PROFILE SCALE:
HORIZ: 1" = 40'
VERT: 1" = 8'

MATCHLINE 26+00 - SEE SHEET 5

MATCHLINE 34+00 - SEE SHEET 7

CONSTRUCTION NOTES:

1. INSTALL RECYCLED WTR IRRIGATION SERVICE PER OMWD STD DWG B-1.1 & B-1.2 METER BOX SHALL BE COLORED PURPLE & HEAT BRANDED. PRIVATE CUSTOMER SERVICE LINE (NOT SHOWN) BY OTHERS.
2. FOR TRENCH RESURFACING WITHIN THE CITY OF CARLSBAD SEE SHEETS 14 & 17.
3. REMOVE & REPLACE PORTION OF EX CROSS GUTTER PER SDRSD G-12. SAWCUT AT EX JOINTS.
4. REPLACE EX CROSSWALK, LANE STRIPING & LETTERING DAMAGED BY CONSTRUCTION ACTIVITIES.
5. REPLACE ALL TRAFFIC LOOPS AND WIRING DAMAGED DURING CONSTRUCTION ACTIVITIES. NO SPLICING ALLOWED.
6. REMOVE & REPLACE EX CURB & GUTTER PER SDRSD G-2 SAWCUT AT EX JOINTS.
7. REMOVE & REPLACE EX SIDEWALK PER SDRSD G-7 SAWCUT AT EX JOINTS.
8. RECYCLED WTR SYSTEM APPURTENANCE SYMBOLS SHOWN AT RECYCLED WTR MAIN CONNECTION. FINAL PLACEMENTS SHALL BE BEHIND SIDEWALK PER STD & DETERMINED IN THE FIELD BY A DISTRICT REPRESENTATIVE.
9. PROTECT EX IRRIGATION & LANDSCAPING. REPLACE IN KIND ANY ITEMS REMOVED OR DAMAGED.

SITE NO. 1



RECYCLED WATER PIPELINE EXTENSIONS FOR
CALLE BARCELONA, VILLAGE PARK & SUMMERHILL

CALLE BARCELONA
STA 26+00 TO STA 34+00 - PLAN & PROFILE

OLIVENHAIN

Municipal Water District
1966 Olivenhain Road
Encinitas, CA 92024 (760)753-6466



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SHEET 6 OF 18
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ORIGINAL SCALE IN INCHES

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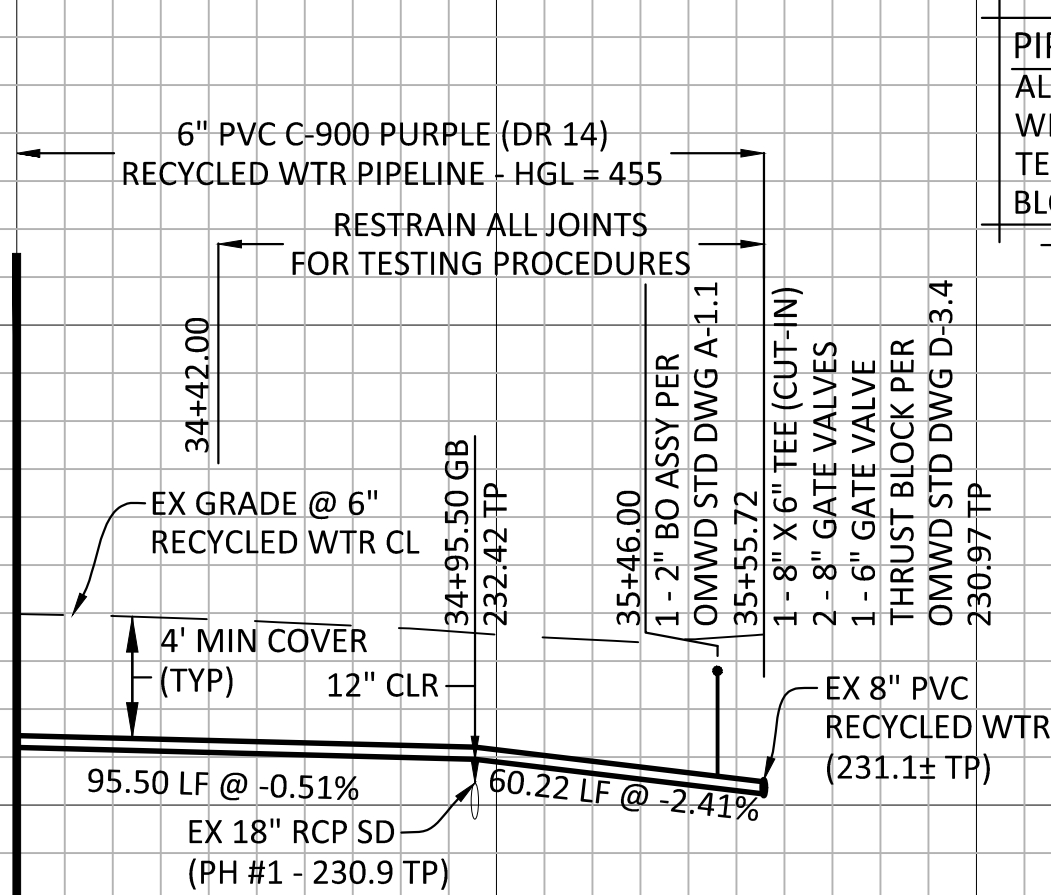
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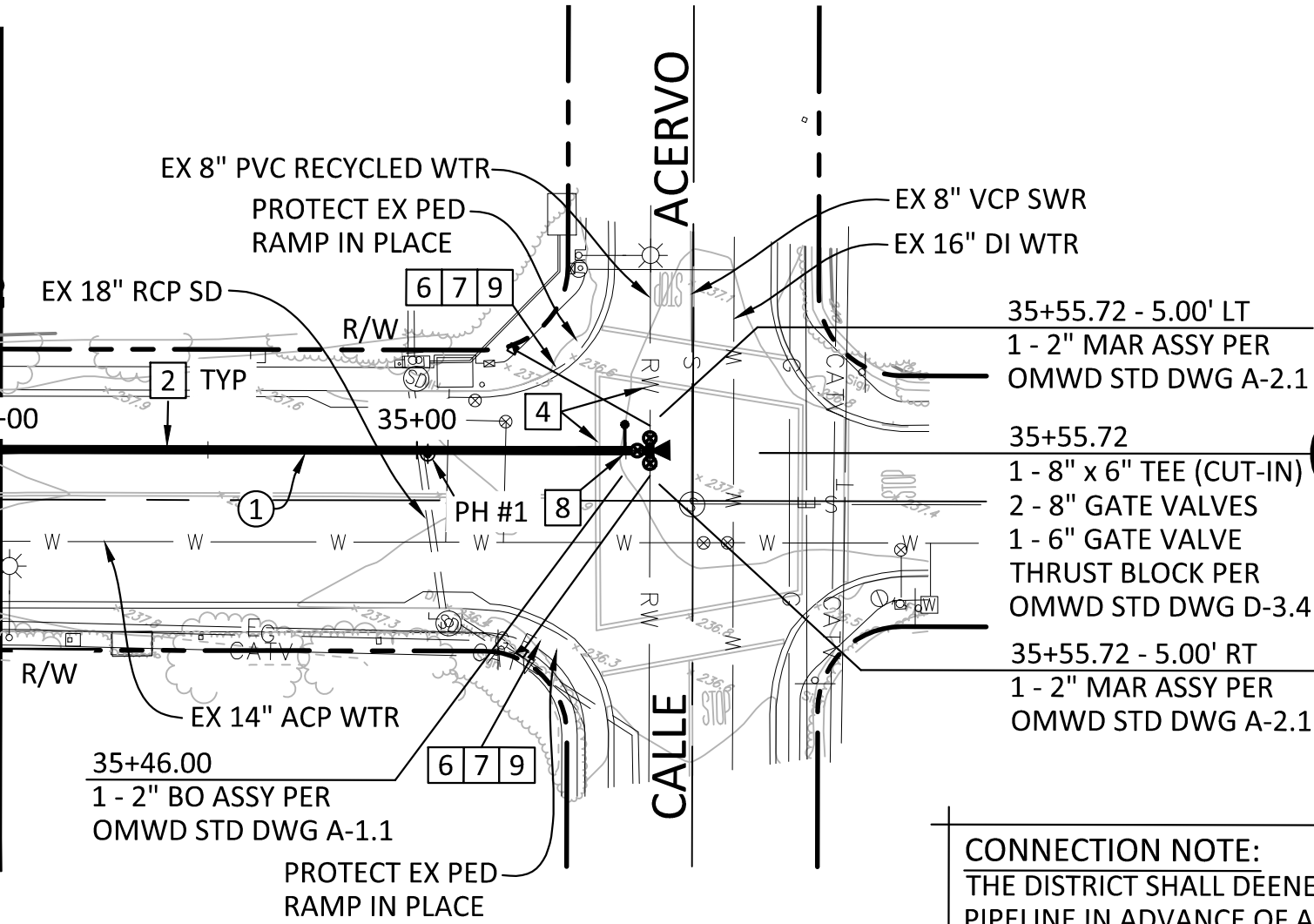
MATCHLINE 34+00 - SEE SHEET 6



PIPE RESTRAINT NOTE:
ALL JOINTS SHALL BE RESTRAINED
WITHIN 113 LF OF A DEAD END OR
TESTING BULKHEAD IF NO THRUST
BLOCK IS PRESENT

PROFILE SCALE:
HORIZ: 1" = 40'
VERT: 1" = 8'

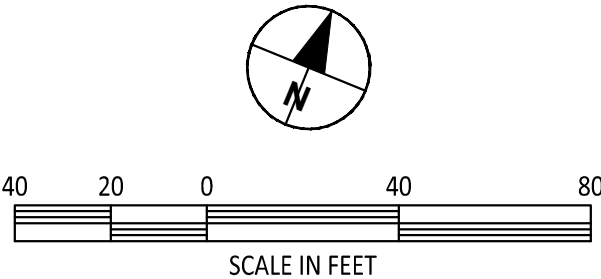
MATCHLINE 34+00 - SEE SHEET 6



CONNECTION NOTE:
THE DISTRICT SHALL DEENERGIZE EX
PIPELINE IN ADVANCE OF ALL PROPOSED
CONNECTIONS. THE CONTRACTOR SHALL
NOTIFY THE DISTRICT THREE WEEKS
MINIMUM IN ADVANCE

CALLE BARCELONA
SCALE: 1" = 40'

RECYCLED WATERLINE ALIGNMENT TABLE				
NO.	BEARING/DELTA	RADIUS	LENGTH	REMARKS
①	N 67°57'40" E	-	155.72'	6" PVC C-900 PURPLE (DR14)



CONSTRUCTION NOTES:

1. INSTALL RECYCLED WTR IRRIGATION SERVICE PER OMWD STD DWG B-1.2. METER BOX SHALL BE COLORED PURPLE & HEAT BRANDED. PRIVATE CUSTOMER SERVICE LINE (NOT SHOWN) BY OTHERS.
2. FOR TRENCH RESURFACING WITHIN THE CITY OF CARLSBAD SEE SHEETS 14 & 17.
3. REMOVE & REPLACE PORTION OF EX CROSS GUTTER PER SDRSD G-12. SAWCUT AT EX JOINTS.
4. REPLACE EX CROSSWALK, LANE STRIPING & LETTERING DAMAGED BY CONSTRUCTION ACTIVITIES.
5. REPLACE ALL TRAFFIC LOOPS AND WIRING DAMAGED DURING CONSTRUCTION ACTIVITIES. NO SPlicing ALLOWED.
6. REMOVE & REPLACE EX CURB & GUTTER PER SDRSD G-2 SAWCUT AT EX JOINTS.
7. REMOVE & REPLACE EX SIDEWALK PER SDRSD G-7 SAWCUT AT EX JOINTS.
8. RECYCLED WTR SYSTEM APPURTENANCE SYMBOLS SHOWN AT RECYCLED WTR MAIN CONNECTION. FINAL PLACEMENTS SHALL BE BEHIND SIDEWALK PER STD & DETERMINED IN THE FIELD BY A DISTRICT REPRESENTATIVE.
9. PROTECT EX IRRIGATION & LANDSCAPING. REPLACE IN KIND ANY ITEMS REMOVED OR DAMAGED.

SITE NO. 1



RECYCLED WATER PIPELINE EXTENSIONS FOR
CALLE BARCELONA, VILLAGE PARK & SUMMERHILL

CALLE BARCELONA
STA 34+00 TO STA 35+55.72 - PLAN & PROFILE

SHEET
7 OF 18

DRAWING
C-4

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OLIVENHAIN

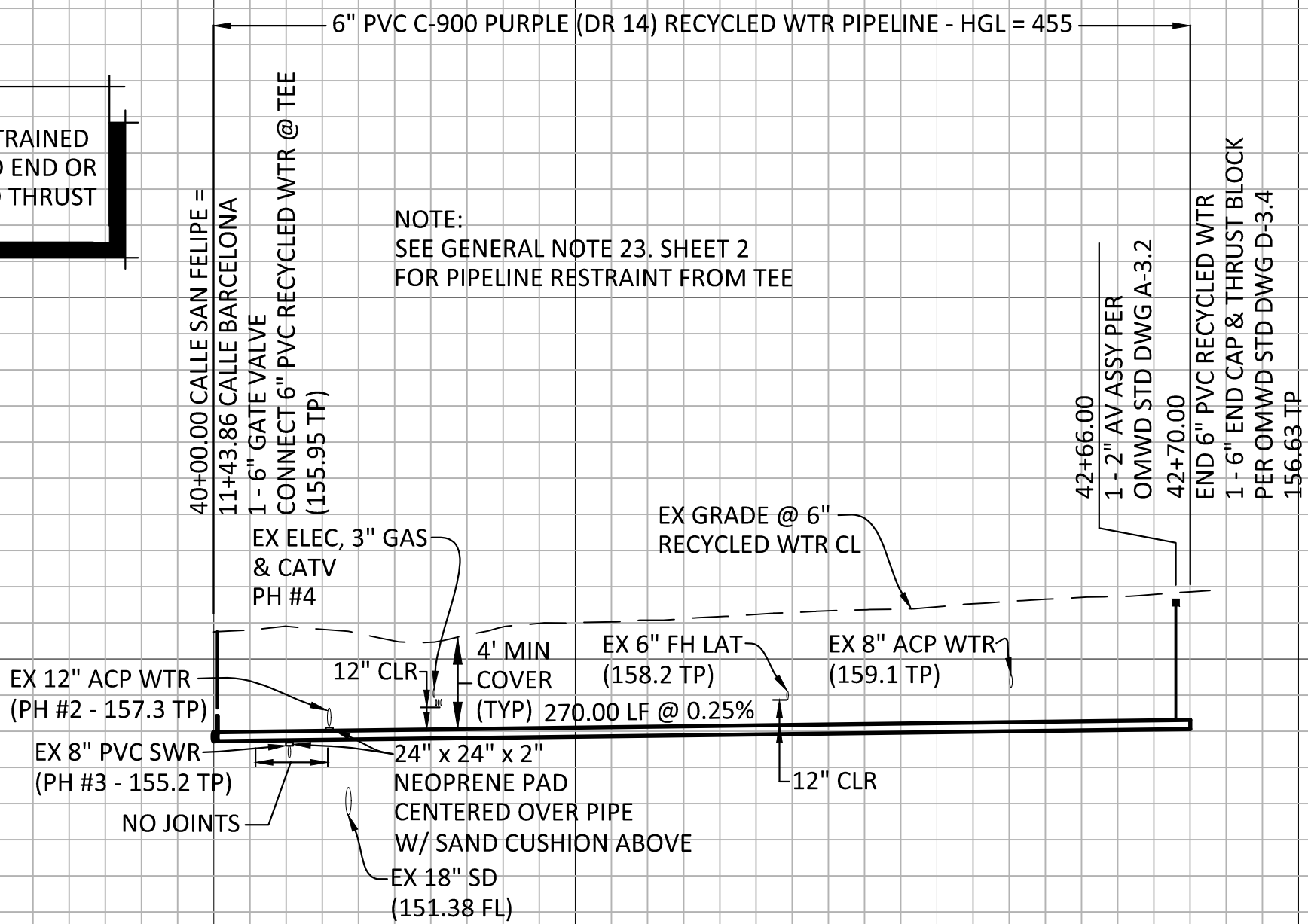
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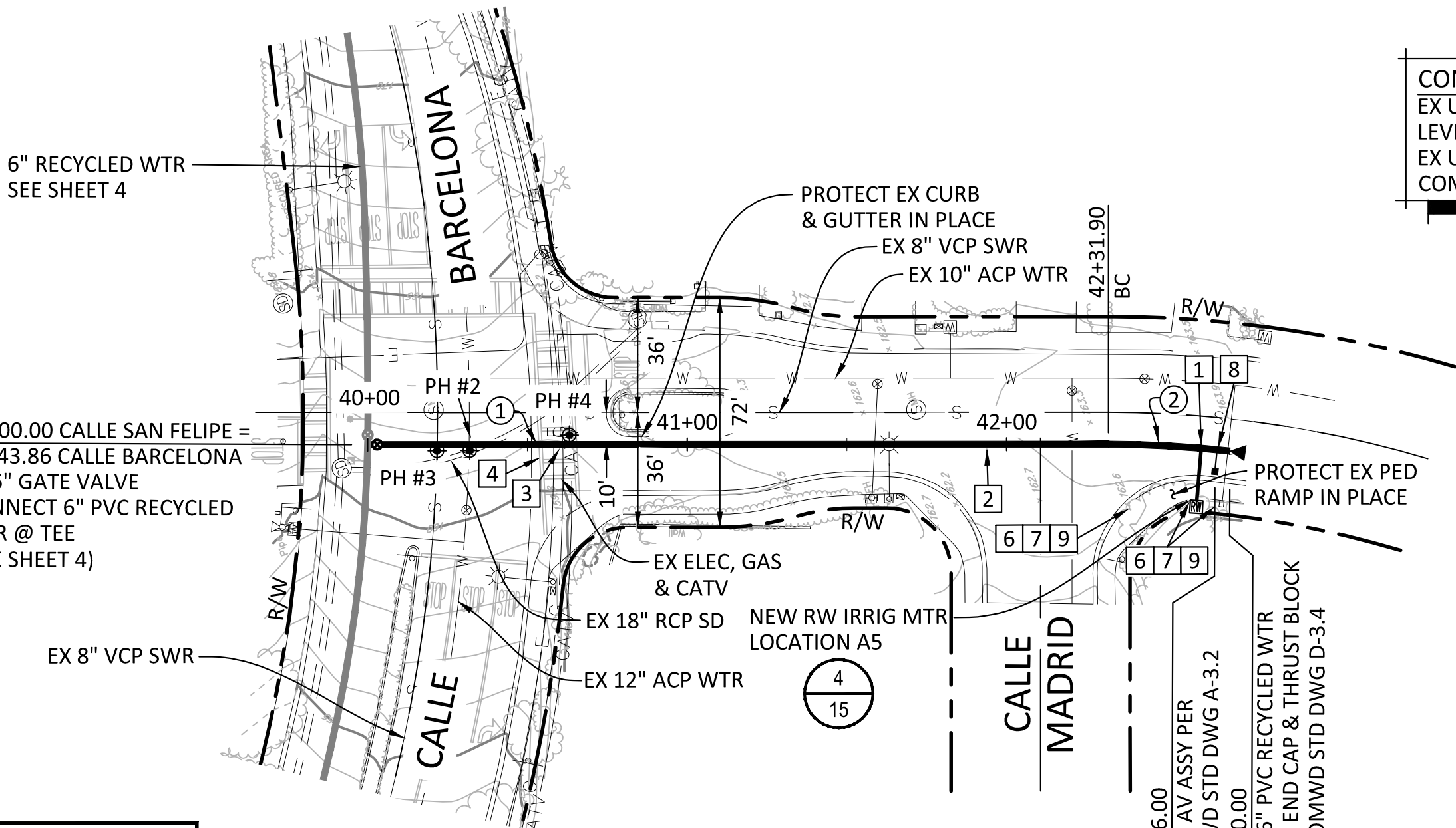
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MARK DATE BY REVISIONS

PIPE RESTRAINT NOTE:
ALL JOINTS SHALL BE RESTRAINED
WITHIN 113 LF OF A DEAD END OR
TESTING BULKHEAD IF NO THRUST
BLOCK IS PRESENT

NOTE:
SEE GENERAL NOTE 23, SHEET 2
FOR PIPELINE RESTRAINT FROM TEE



PROFILE SCALE:
HORIZ: 1" = 40'
VERT: 1" = 8'



CONSTRUCTION NOTE:
EX UTILITY INFORMATION IS QUALITY
LEVEL C. CONTRACTOR SHALL VERIFY
EX UTILITY LOCATIONS PRIOR TO
COMMENCING WORK.

MONUMENTATION NOTE:
ALL EX SURVEY MONUMENTS
SHALL BE PROTECTED IN PLACE
SEE SURVEY NOTE ON SHEET 03

METER TABLE				
NO.	SIZE	ACCOUNT	TYPE	OWNER
A5	2"	223855	IRRIG	COLINAS DE ORO HOA

FINAL METER PLACEMENT SHALL BE DETERMINED IN THE FIELD
BY A DISTRICT REPRESENTATIVE.

RECYCLED WATERLINE ALIGNMENT TABLE				
NO.	BEARING/Delta	RADIUS	LENGTH	REMARKS
①	N 20°12'33" E	-	231.90'	6" PVC C-900 PURPLE (DR14)
②	03°03'00"	340.00'	38.10'	6" PVC C-900 PURPLE (DR14)

CONSTRUCTION NOTES:

- INSTALL RECYCLED WTR IRRIGATION SERVICE PER OMWD STD DWG B-1.2. METER BOX SHALL BE COLORED PURPLE & HEAT BRANDED. PRIVATE CUSTOMER SERVICE LINE (NOT SHOWN) BY OTHERS.
- FOR TRENCH RESURFACING WITHIN THE CITY OF CARLSBAD SEE SHEETS 14 & 17.
- REMOVE & REPLACE PORTION OF EX CROSS GUTTER PER SDRSD G-12. SAWCUT AT EX JOINTS.
- REPLACE EX CROSSWALK, LANE STRIPING & LETTERING DAMAGED BY CONSTRUCTION ACTIVITIES.
- REPLACE ALL TRAFFIC LOOPS AND WIRING DAMAGED DURING CONSTRUCTION ACTIVITIES. NO SPLICING ALLOWED.
- REMOVE & REPLACE EX CURB & GUTTER PER SDRSD G-2 SAWCUT AT EX JOINTS.
- REMOVE & REPLACE EX SIDEWALK PER SDRSD G-7 SAWCUT AT EX JOINTS.
- RECYCLED WTR SYSTEM APPURTENANCE SYMBOLS SHOWN AT RECYCLED WTR MAIN CONNECTION. FINAL PLACEMENTS SHALL BE BEHIND SIDEWALK PER STD & DETERMINED IN THE FIELD BY A DISTRICT REPRESENTATIVE.
- PROTECT EX IRRIGATION & LANDSCAPING. REPLACE IN KIND ANY ITEMS REMOVED OR DAMAGED.

SITE NO. 1



RECYCLED WATER PIPELINE EXTENSIONS FOR
CALLE BARCELONA, VILLAGE PARK & SUMMERHILL

CALLE SAN FELIPE

STA 40+00 TO STA 42+70.00 - PLAN & PROFILE

SHEET
8 OF 18

DRAWING
C-5

D800019

OLIVENHAIN

Municipal Water District
1966 Olivenhain Road
Encinitas, CA 92024 (760)753-6466

HOCH CONSULTING
804 PIER VIEW WAY - SUITE 100
OCEANSIDE, CA 92054
www.hochconsulting.com

DESIGN
RR
DRAWN
RR
CHECK
AR/AH
/AG

ORIGINAL SCALE IN INCHES

320

300

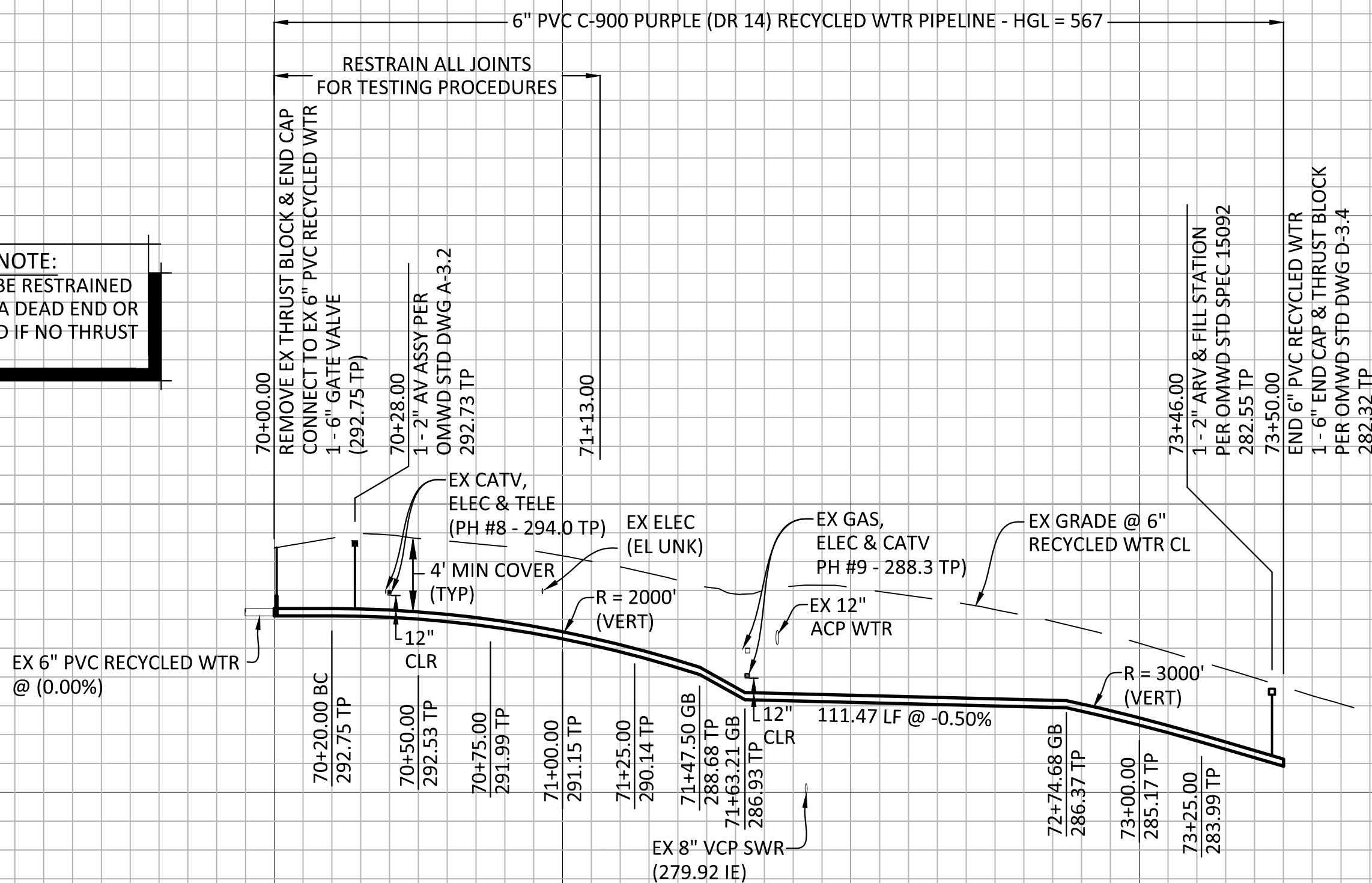
280

320

300

280

PIPE RESTRAINT NOTE:
ALL JOINTS SHALL BE RESTRAINED
WITHIN 113 LF OF A DEAD END OR
TESTING BULKHEAD IF NO THRUST
BLOCK IS PRESENT



PROFILE SCALE:
HORIZ: 1" = 40'
VERT: 1" = 8'

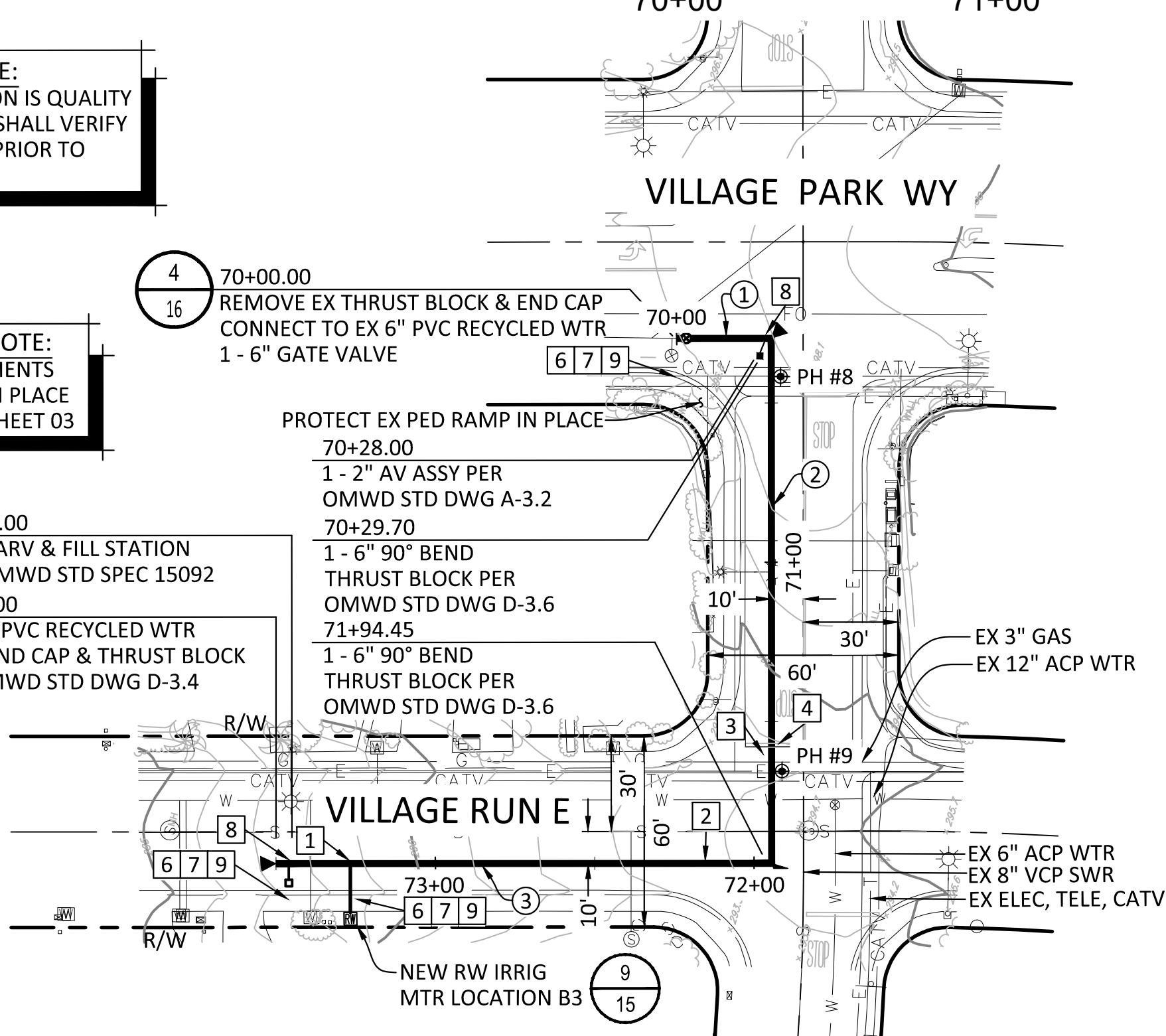
CONSTRUCTION NOTE:
EX UTILITY INFORMATION IS QUALITY
LEVEL C. CONTRACTOR SHALL VERIFY
EX UTILITY LOCATIONS PRIOR TO
COMMENCING WORK.

MONUMENTATION NOTE:
ALL EX SURVEY MONUMENTS
SHALL BE PROTECTED IN PLACE
SEE SURVEY NOTE ON SHEET 03

- 5
14
- 73+46.00
1 - 2" ARV & FILL STATION
PER OMWD STD SPEC 15092
73+50.00
END 6" PVC RECYCLED WTR
1 - 6" END CAP & THRUST BLOCK
PER OMWD STD DWG D-3.4

- 4
16
- 70+00.00
REMOVE EX THRUST BLOCK & END CAP
CONNECT TO EX 6" PVC RECYCLED WTR
1 - 6" GATE VALVE

- PROTECT EX PED RAMP IN PLACE
- 70+28.00
1 - 2" AV ASSY PER
OMWD STD DWG A-3.2
70+29.70
1 - 6" 90° BEND
THRUST BLOCK PER
OMWD STD DWG D-3.6
71+94.45
1 - 6" 90° BEND
THRUST BLOCK PER
OMWD STD DWG D-3.6



GATEPOST RD

SCALE: 1" = 40'

METER TABLE				
NO.	SIZE	ACCOUNT	TYPE	OWNER
B3	2"	193365,	IRRIG	VP TOWNHOMES HOA
		193450,		
		193485,		
		193510,		
		193555,		
		194700,		
		194765		
		& 194800		

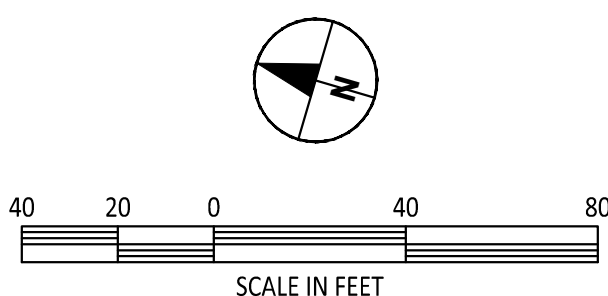
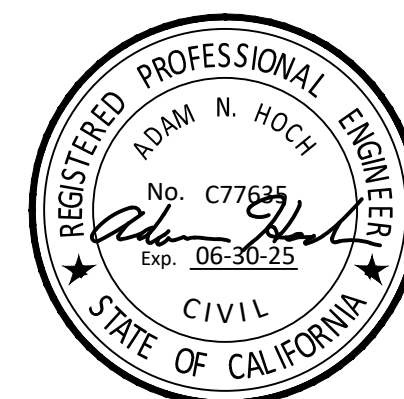
FINAL METER PLACEMENT SHALL BE DETERMINED IN THE FIELD
BY A DISTRICT REPRESENTATIVE.

RECYCLED WATERLINE ALIGNMENT TABLE				
NO.	BEARING/DELTA	RADIUS	LENGTH	REMARKS
①	N 16°21'06" W	-	29.70'	6" PVC C-900 PURPLE (DR14)
②	N 73°38'54" E	-	164.75'	6" PVC C-900 PURPLE (DR14)
③	N 16°21'06" W	-	155.55'	6" PVC C-900 PURPLE (DR14)

CONSTRUCTION NOTES:

1. INSTALL RECYCLED WTR IRRIGATION SERVICE PER OMWD STD DWG B-1.2. METER BOX SHALL BE COLORED PURPLE & HEAT BRANDED. PRIVATE CUSTOMER SERVICE LINE (NOT SHOWN) BY OTHERS.
2. FOR TRENCH RESURFACING WITHIN THE CITY OF ENCINITAS SEE SHEETS 14 & 18.
3. REMOVE & REPLACE PORTION OF EX CROSS GUTTER PER SDRSD G-12. SAWCUT AT EX JOINTS.
4. REPLACE EX CROSSWALK, LANE STRIPING & LETTERING DAMAGED BY CONSTRUCTION ACTIVITIES.
5. REPLACE ALL TRAFFIC LOOPS AND WIRING DAMAGED DURING CONSTRUCTION ACTIVITIES. NO SPlicing ALLOWED.
6. REMOVE & REPLACE EX CURB & GUTTER PER SDRSD G-2 SAWCUT AT EX JOINTS.
7. REMOVE & REPLACE EX SIDEWALK PER SDRSD G-7 SAWCUT AT EX JOINTS.
8. RECYCLED WTR SYSTEM APPURTENANCE SYMBOLS SHOWN AT RECYCLED WTR MAIN CONNECTION. FINAL PLACEMENTS SHALL BE BEHIND SIDEWALK PER STD & DETERMINED IN THE FIELD BY A DISTRICT REPRESENTATIVE.
9. PROTECT EX IRRIGATION & LANDSCAPING. REPLACE IN KIND ANY ITEMS REMOVED OR DAMAGED.

SITE NO. 2



DESIGN RR
DRAWN RR
CHECK AR/AR
/AG

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804 PIER VIEW WAY - SUITE 100
OCEANSIDE, CA 92054
www.hochconsulting.com

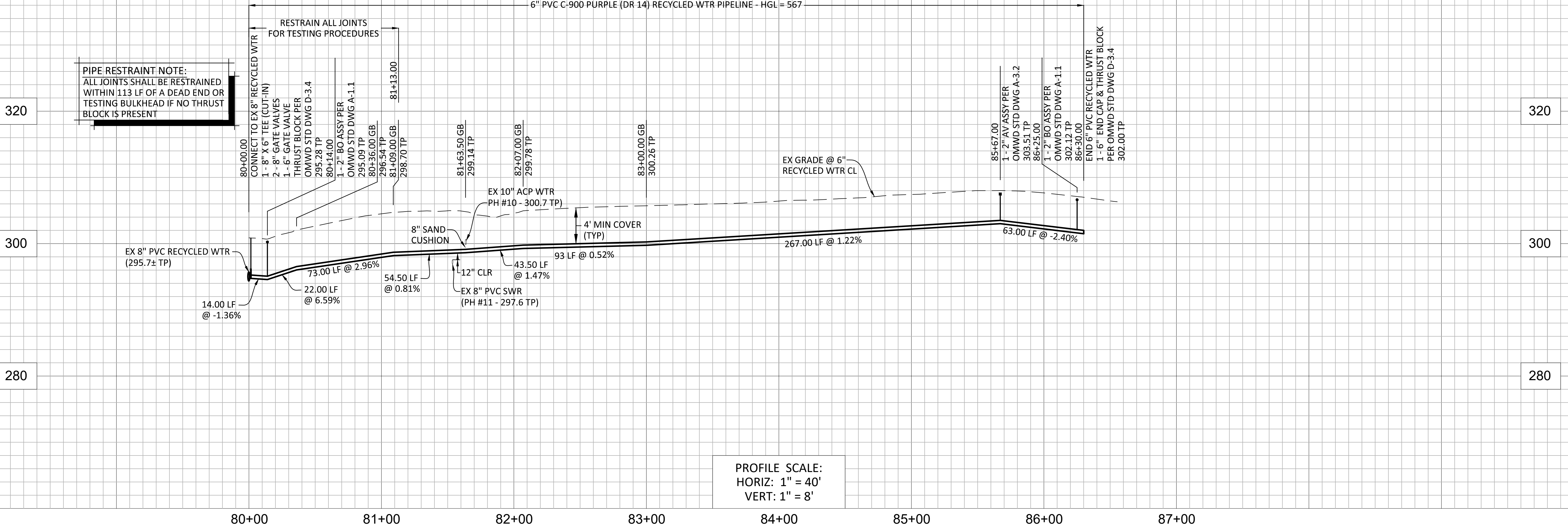
OLIVENHAIN
Municipal Water District
1966 Olivenhain Road
Encinitas, CA 92024 (760)753-6466

RECYCLED WATER PIPELINE EXTENSIONS FOR
CALLE BARCELONA, VILLAGE PARK & SUMMERHILL
GATEPOST RD
STA 70+00 TO STA 73+50.00 - PLAN & PROFILE

SHEET 11 OF 18
DRAWING C-8

D800019

ORIGINAL SCALE IN INCHES

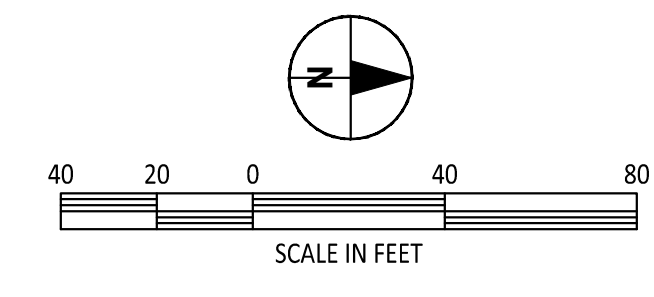


PIPE RESTRAINT NOTE:
ALL JOINTS SHALL BE RESTRAINED
WITHIN 113 LF OF A DEAD END OR
TESTING BULKHEAD IF NO THRUST
BLOCK IS PRESENT

CONSTRUCTION NOTE:
EX UTILITY INFORMATION IS QUALITY
LEVEL C. CONTRACTOR SHALL VERIFY
EX UTILITY LOCATIONS PRIOR TO
COMMENCING WORK.

MONUMENTATION NOTE:
ALL EX SURVEY MONUMENTS
SHALL BE PROTECTED IN PLACE
SEE SURVEY NOTE ON SHEET 03

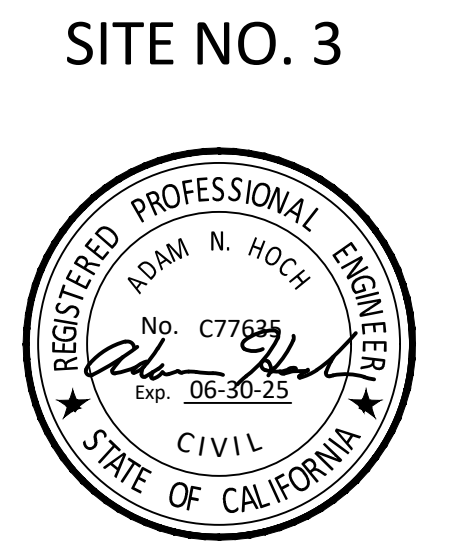
- CONSTRUCTION NOTES:
1. INSTALL RECYCLED WTR IRRIGATION SERVICE PER OMWD STD DWG B-1.1 & B-1.2. METER BOX SHALL BE COLORED PURPLE & HEAT BRANDED. PRIVATE CUSTOMER SERVICE LINE (NOT SHOWN) BY OTHERS.
 2. FOR TRENCH RESURFACING WITHIN THE CITY OF ENCINITAS SEE SHEETS 14 & 18.
 3. REMOVE & REPLACE PORTION OF EX CROSS GUTTER PER SDRSD G-12. SAWCUT AT EX JOINTS.
 4. REPLACE EX CROSSWALK, LANE STRIPING & LETTERING DAMAGED BY CONSTRUCTION ACTIVITIES.
 5. REPLACE ALL TRAFFIC LOOPS AND WIRING DAMAGED DURING CONSTRUCTION ACTIVITIES. NO SPLICING ALLOWED.
 6. REMOVE & REPLACE EX CURB & GUTTER PER SDRSD G-2 SAWCUT AT EX JOINTS.
 7. REMOVE & REPLACE EX SIDEWALK PER SDRSD G-7 SAWCUT AT EX JOINTS.
 8. RECYCLED WTR SYSTEM APPURTENANCE SYMBOLS SHOWN AT RECYCLED WTR MAIN CONNECTION. FINAL PLACEMENTS SHALL BE BEHIND SIDEWALK PER STD & DETERMINED IN THE FIELD BY A DISTRICT REPRESENTATIVE.
 9. PROTECT EX IRRIGATION & LANDSCAPING. REPLACE IN KIND ANY ITEMS REMOVED OR DAMAGED.



METER TABLE				
NO.	SIZE	ACCOUNT	TYPE	OWNER
C1	1"	209275	IRRIG	SUMMERHILL HOA
C2	1-1/2"	209090	IRRIG	SUMMERHILL HOA

FINAL METER PLACEMENT SHALL BE DETERMINED IN THE FIELD BY A DISTRICT REPRESENTATIVE.

RECYCLED WATERLINE ALIGNMENT TABLE				
NO.	BEARING/DELTA	RADIUS	LENGTH	REMARKS
①	N 00°41'36" W	-	127.78'	6" PVC C-900 PURPLE (DR14)
②	10°35'43"	300.00'	55.48'	6" PVC C-900 PURPLE (DR14)
③	N 11°17'19" W	-	115.16'	6" PVC C-900 PURPLE (DR14)
④	23°01'37"	410.00'	164.78'	6" PVC C-900 PURPLE (DR14)
⑤	N 11°44'18" E	-	81.45'	6" PVC C-900 PURPLE (DR14)
⑥	08°09'29"	390.00'	55.53'	6" PVC C-900 PURPLE (DR14)
⑦	N 03°34'48" E	-	29.66'	6" PVC C-900 PURPLE (DR14)



HOCH CONSULTING
804 PIER VIEW WAY - SUITE 100
OCEANSIDE, CA 92054
www.hochconsulting.com

DESIGN: RR
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DATE: BY: REVISIONS:

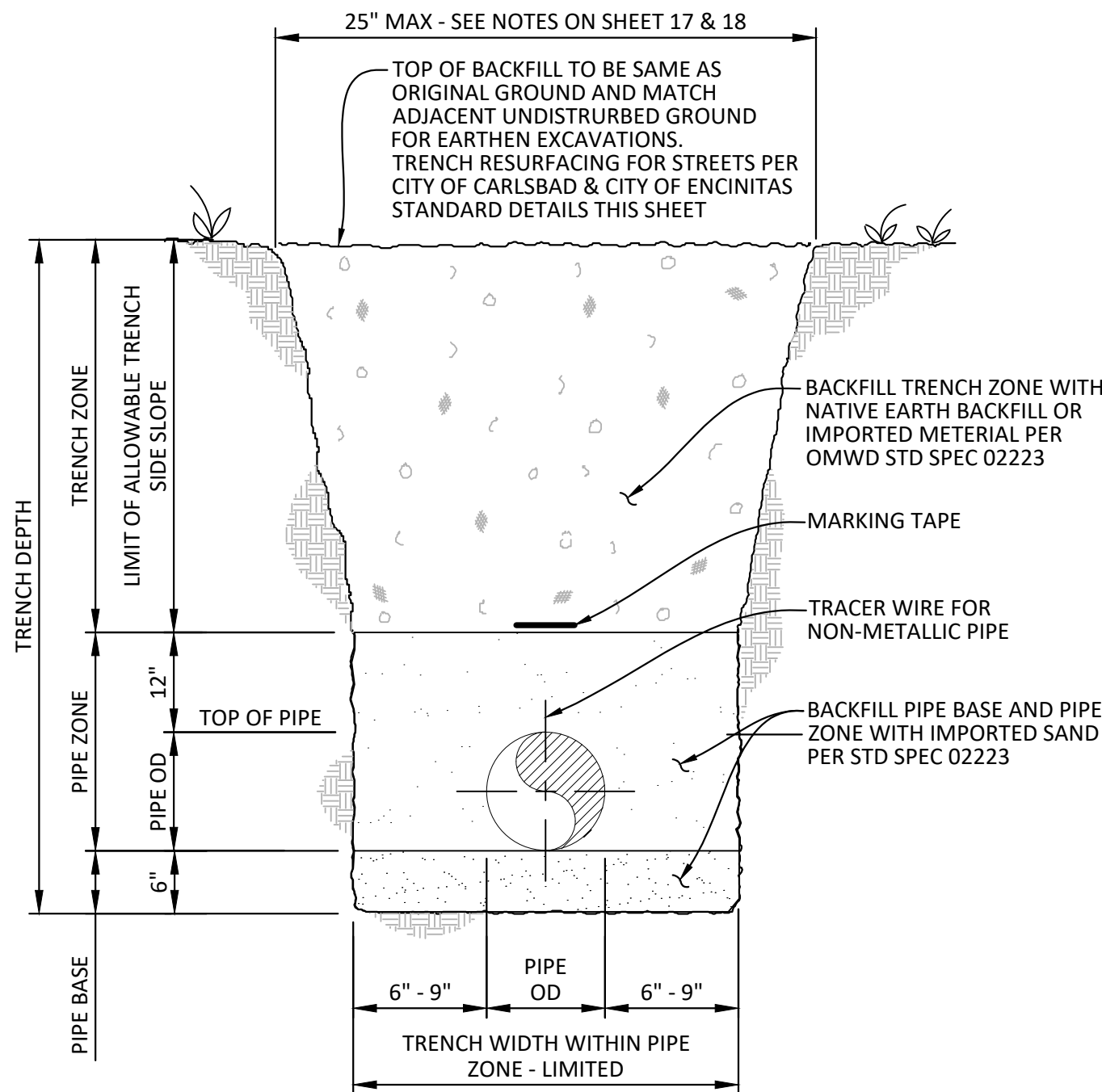
OLIVENHAIN
Municipal Water District
1966 Olivenhain Road
Encinitas, CA 92024 (760)753-6466

RECYCLED WATER PIPELINE EXTENSIONS FOR
CALLE BARCELONA, VILLAGE PARK & SUMMERHILL
VILLAGE CENTER DR
STA 80+00 TO STA 86+30.00 - PLAN & PROFILE

12 OF 18
D800019

C-9

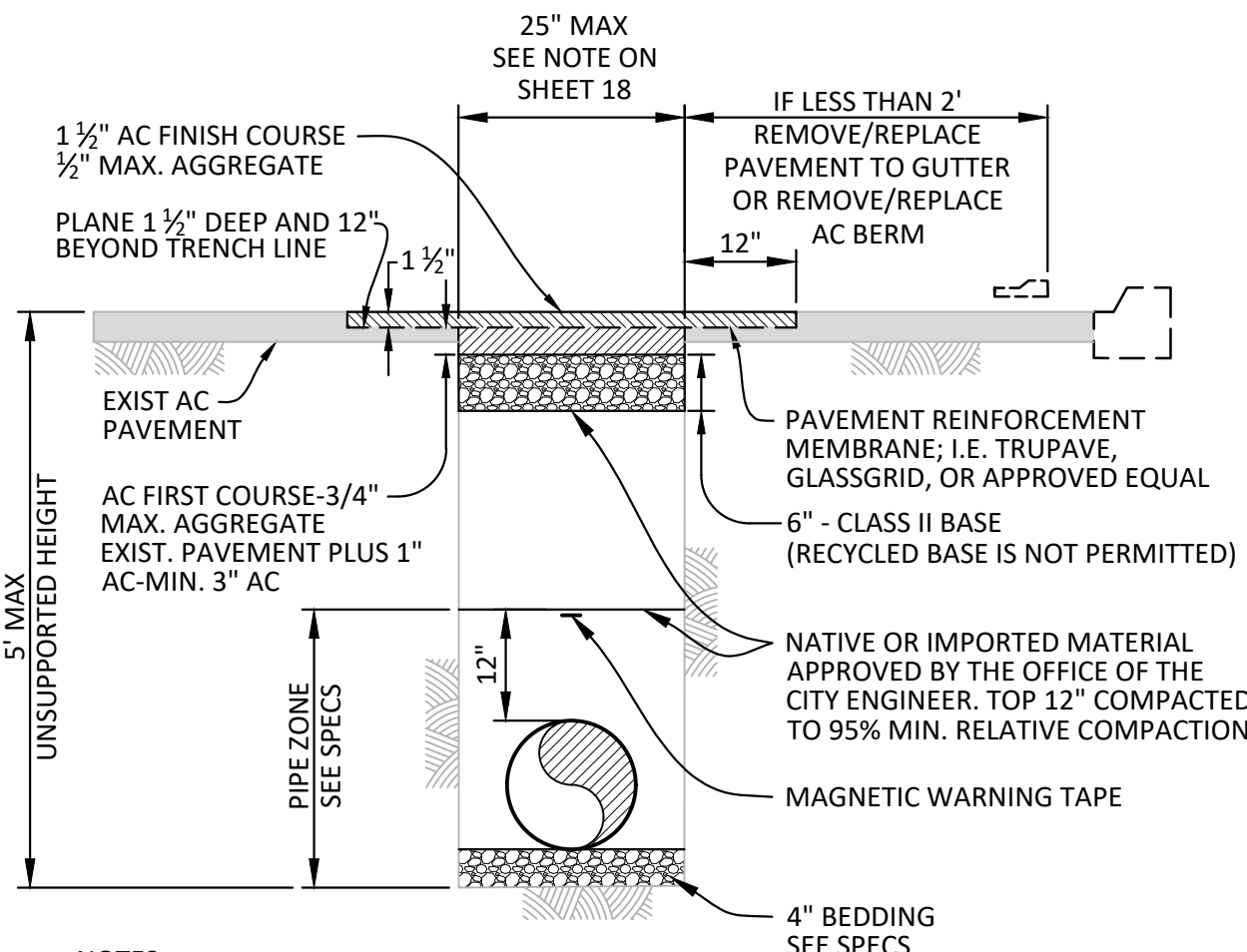
ORIGINAL SCALE IN INCHES



OMWD TRENCH SECTION DETAIL

NO SCALE

1
VAR



NOTES:

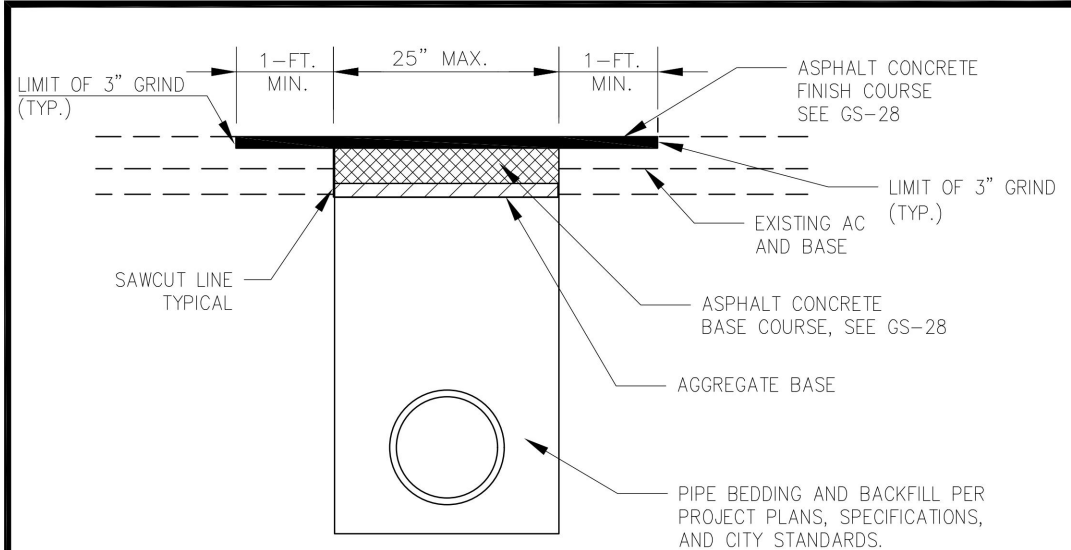
1. FOR DEPTHS UP TO 5', NO TRENCH SUPPORT IS REQUIRED UNLESS WET, UNSTABLE OR RUNNING SOIL IS ENCOUNTERED. FOR DEPTHS EXCEEDING 5', SHORING OR SOLID SHEATHING IS REQUIRED. WHERE WET, UNSTABLE OR RUNNING SOIL IS ENCOUNTERED, SOLID SHEATHING IS REQUIRED.
2. EXISTING AC SHALL BE CUT AND REMOVED IN SUCH MANNER SO AS NOT TO TEAR, BULGE, OR DISPLACE ADJACENT PAVEMENT. EDGES SHALL BE CLEAN AND VERTICAL, ALL CUTS SHALL BE PARALLEL OR PERPENDICULAR TO STREET CENTERLINE WHEN PRACTICAL.
3. FINISH COURSE OF AC RESURFACING SHALL BE LAID DOWN USING A SELF PROPELLED SPREADER BOX, UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER.
4. CHIP OR SLURRY SEALING SHALL BE APPLIED AS REQUIRED BY AGENCY.
5. PETROMAT IS NOT AN ALLOWED PAVEMENT REINFORCEMENT MEMBRANE.

CITY OF ENCINITAS

UTILITY TRENCH BACKFILL & RESURFACING STANDARD

NO SCALE

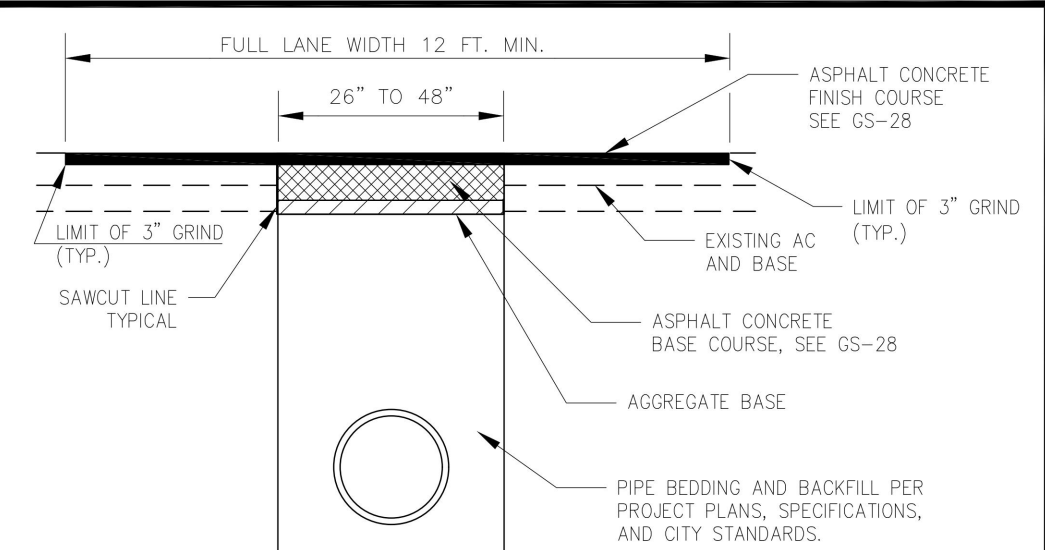
2
VAR



NOTES:

1. THE DETAIL SHOWN ABOVE APPLIES TO TRENCH WIDTHS LESS THAN 25 INCHES.
2. EXISTING A.C. SHALL BE CUT AND REMOVED IN SUCH A MANNER SO AS NOT TO TEAR, BULGE OR DISPLACE ADJACENT PAVEMENT. EDGES SHALL BE CLEAN AND VERTICAL. ALL CUTS SHALL BE PARALLEL OR PERPENDICULAR TO STREET CENTERLINE, WHEN PRACTICAL.
3. BASE MATERIAL SHALL BE REPLACED TO DEPTH OF EXISTING BASE OR A MINIMUM OF 6 INCHES, WHICHEVER IS GREATER. A.C. MAY BE SUBSTITUTED FOR BASE MATERIAL AT THE CITY ENGINEER'S DISCRETION.
4. WHEN THE EDGE OF THE GRIND AREA IS WITHIN 24 INCHES OF EDGE OF PAVEMENT, ANY STRUCTURE, AN ADJACENT TRENCH PATCH OR OTHER PAVING JOIN LINE, THE GRIND AREA SHALL BE EXTENDED TO THE EXISTING STRUCTURE OR JOIN LINE.
5. WHEN THE EDGE OF THE GRIND LIES WITHIN A WHEEL PATH, THE GRIND AREA SHALL BE EXTENDED TO THE NEAREST LANE LINE OR EDGE OF PAVEMENT.
6. IN AN EFFORT TO MAINTAIN A STREET'S EXPECTED LIFESPAN, RETURN THE STREET TO THE SAME OR SIMILAR CONDITION AS BEFORE THE TRENCHING TOOK PLACE, AND TO MEET CITY OF CARLSBAD AND GREENBOOK STANDARDS PERTAINING TO ROAD SMOOTHNESS:
 - A) IF THE TRENCH IS LOCATED WITHIN A BIKE LANE, THEN THE ENTIRE BIKE LANE WIDTH SHALL BE COLD PLANED 1-1/2" MINIMUM AND OVERLAYED 1-1/2" MINIMUM.
 - B) IF THE TRENCH IS WITHIN 24" OF A CONCRETE STRUCTURE (I.E. LIP OF GUTTER, VAULT, ETC.) THEN THE AREA BETWEEN THE TRENCH AND THE CONCRETE STRUCTURE SHALL BE COLD PLANED 1-1/2" MINIMUM AND OVERLAYED 1-1/2" MINIMUM.
 - C) IF THE TRENCH IS LOCATED LONGITUDINALLY WITHIN THE TRAVEL LANE OF A PRIME, MAJOR, OR 4-LANE COLLECTOR STREET, THEN THE ENTIRE LANE SHALL BE COLD-PLANE 1-1/2" MINIMUM AND OVERLAYED 1-1/2" MINIMUM. HOWEVER, THE CITY ENGINEER MAY, ON A CASE-BY-CASE BASIS AND AT HIS/HER SOLE DISCRETION, MODIFY THE REQUIREMENT TO COLD PLANE AND OVERLAY THE ENTIRE LANE BASED ON THE FOLLOWING CRITERIA: (1) EXISTING CONDITION OF THE PAVEMENT; (2) FUTURE REHABILITATION STRATEGIES AND SCHEDULE; (3) DEPTH OF TRENCH; (4) OTHER TRENCH WORK IN THE AREA; (5) EXISTENCE OF A COMPARABLE TRENCH PAVING TECHNOLOGY OR TECHNIQUES WHICH WOULD ACHIEVE THE DESIRED ROAD SMOOTHNESS AND LONGEVITY; AND (6) OTHER SITE-SPECIFIC CONDITIONS AND FACTORS DEEMED BY THE CITY ENGINEER TO ALLEVIATE THE NEED TO COLD-PLANE AND OVERLAY THE ENTIRE LANE.

REV.	APPROVED	DATE	CITY OF CARLSBAD	DATE
			TRENCH RESURFACING	
			ASPHALT CONCRETE PAVEMENT	
			FOR TRENCH WIDTHS LESS THAN 25"	
			CITY ENGINEER	42692022
			SUPPLEMENTAL STANDARD NO.	GS-25



NOTES:

1. THE DETAIL SHOWN ABOVE APPLIES TO TRENCH WIDTHS FROM 26 INCHES TO 48 INCHES.
2. EXISTING A.C. SHALL BE CUT AND REMOVED IN SUCH A MANNER SO AS NOT TO TEAR, BULGE OR DISPLACE ADJACENT PAVEMENT. EDGES SHALL BE CLEAN AND VERTICAL. ALL CUTS SHALL BE PARALLEL OR PERPENDICULAR TO STREET CENTERLINE, WHEN PRACTICAL.
3. BASE MATERIAL SHALL BE REPLACED TO DEPTH OF EXISTING BASE OR A MINIMUM OF 6 INCHES, WHICHEVER IS GREATER. A.C. MAY BE SUBSTITUTED FOR BASE MATERIAL AT THE CITY ENGINEER'S DISCRETION.
4. WHEN THE EDGE OF THE GRIND AREA IS WITHIN 24 INCHES OF EDGE OF PAVEMENT, ANY STRUCTURE, AN ADJACENT TRENCH PATCH, OR OTHER PAVING JOIN LINE, THE GRIND AREA SHALL BE EXTENDED TO THE EXISTING STRUCTURE OR JOIN LINE.
5. WHEN THE EDGE OF THE GRIND LIES WITHIN A WHEEL PATH, THE GRIND AREA SHALL BE EXTENDED TO THE NEAREST LANE LINE OR EDGE OF PAVEMENT.
6. IN AN EFFORT TO MAINTAIN A STREET'S EXPECTED LIFESPAN, RETURN THE STREET TO THE SAME OR SIMILAR CONDITION AS BEFORE THE TRENCHING TOOK PLACE, AND TO MEET CITY OF CARLSBAD AND GREENBOOK STANDARDS PERTAINING TO ROAD SMOOTHNESS:
 - A) IF THE TRENCH IS LOCATED WITHIN A BIKE LANE, THEN THE ENTIRE BIKE LANE WIDTH SHALL BE COLD PLANED 1-1/2" MINIMUM AND OVERLAYED 1-1/2" MINIMUM.
 - B) IF THE TRENCH IS WITHIN 24" OF A CONCRETE STRUCTURE (I.E. LIP OF GUTTER, VAULT, ETC.) THEN THE AREA BETWEEN THE TRENCH AND THE CONCRETE STRUCTURE SHALL BE COLD PLANED 1-1/2" MINIMUM AND OVERLAYED 1-1/2" MINIMUM.
 - C) IF THE TRENCH IS LOCATED LONGITUDINALLY WITHIN THE TRAVEL LANE OF A PRIME, MAJOR, OR 4-LANE COLLECTOR STREET, THEN THE ENTIRE LANE SHALL BE COLD-PLANE 1-1/2" MINIMUM AND OVERLAYED 1-1/2" MINIMUM. HOWEVER, THE CITY ENGINEER MAY, ON A CASE-BY-CASE BASIS AND AT HIS/HER SOLE DISCRETION, MODIFY THE REQUIREMENT TO COLD PLANE AND OVERLAY THE ENTIRE LANE BASED ON THE FOLLOWING CRITERIA: (1) EXISTING CONDITION OF THE PAVEMENT; (2) FUTURE REHABILITATION STRATEGIES AND SCHEDULE; (3) DEPTH OF TRENCH; (4) OTHER TRENCH WORK IN THE AREA; (5) EXISTENCE OF A COMPARABLE TRENCH PAVING TECHNOLOGY OR TECHNIQUES WHICH WOULD ACHIEVE THE DESIRED ROAD SMOOTHNESS AND LONGEVITY; AND (6) OTHER SITE-SPECIFIC CONDITIONS AND FACTORS DEEMED BY THE CITY ENGINEER TO ALLEVIATE THE NEED TO COLD-PLANE AND OVERLAY THE ENTIRE LANE.

REV.	APPROVED	DATE	CITY OF CARLSBAD	DATE
			TRENCH RESURFACING	
			ASPHALT CONCRETE PAVEMENT	
			FOR TRENCH WIDTHS FROM 26" TO 48"	
			CITY ENGINEER	42692022
			SUPPLEMENTAL STANDARD NO.	GS-26

CARLSBAD PAVEMENT RESTORATION DETAIL

NO SCALE

3
VAR

NOTES:

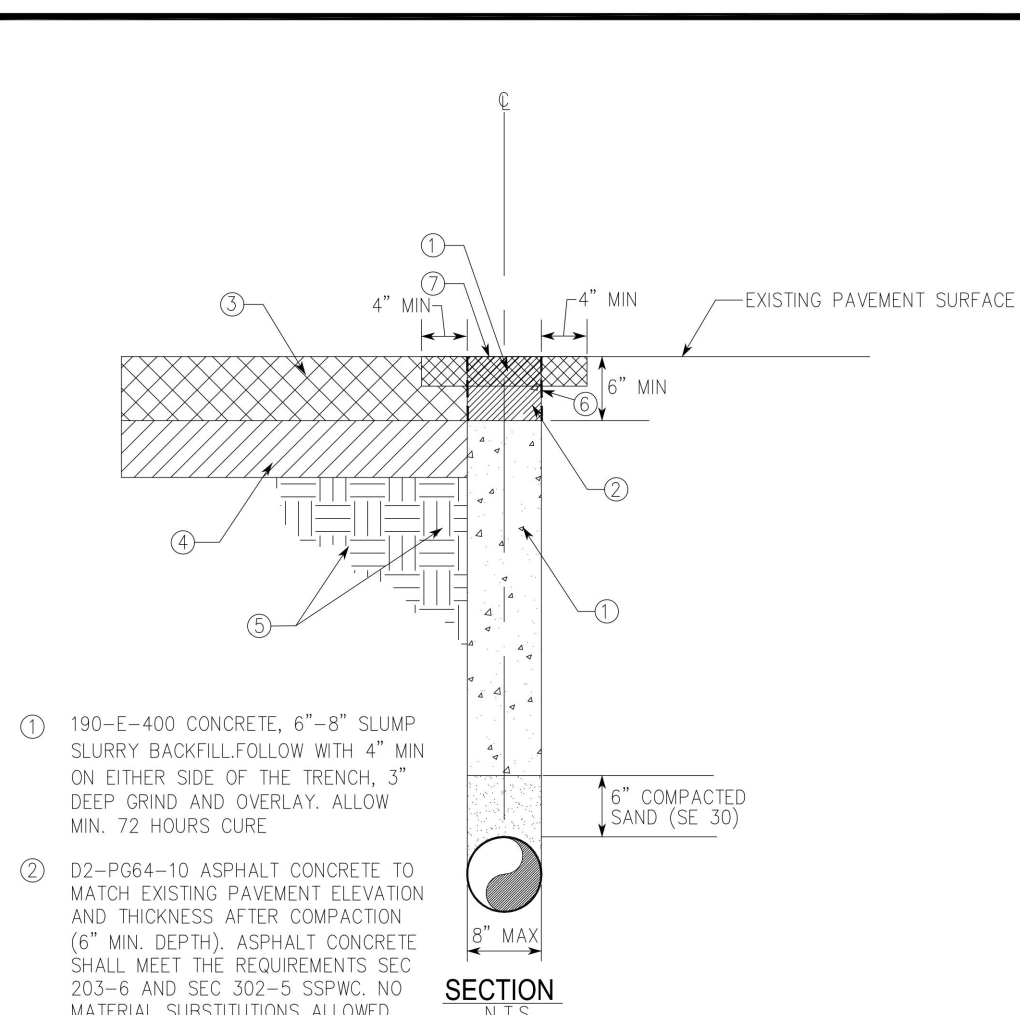
1. A TACK COAT OF ASPHALTIC EMULSION OR PAVING ASPHALT SHALL BE APPLIED TO EXISTING A.C. OR P.C.C. CONTACT SURFACES PRIOR TO RESURFACING PER SSPWC SECTION 302-5.
2. ASPHALT CONCRETE RESURFACING - BASE COURSE:
 - a. MINIMUM TOTAL A.C. THICKNESS SHALL BE ONE INCH GREATER THAN EXISTING
 - b. AC SHALL BE B-PG 64-10 OR III B2-PG 64-10 OR III B3-PG 64-10 FOR BASE COURSE. IF APPROVED BY THE CITY ENGINEER, 1/2" AC MIXES INCLUDING C1-PG 64-10, C2-PG 64-10, III-C2-PG 64-10 AC MIXES ALSO MAY BE USED FOR BASE COURSE. III C3 AC MIX SHALL NOT BE USED FOR BASE COURSE. PG 70-10 OR MODIFIED ASPHALT BINDER MAY ALSO BE USED WITH ANY OF THE AC MIXES IF APPROVED BY THE CITY ENGINEER.
 - c. BASE COURSE SHALL BE LAID DOWN WITH SELF PROPELLED PAVING MACHINE AND COMPACTED PER SSPWC SECTION 302-5a.
3. ASPHALT CONCRETE RESURFACING (FINISH COURSE)
 - a. PROVIDE 3 INCH DEEP GRIND AND A.C. FINISH COURSE C2-PG64-10 OR III-C2-PG64-10 OR III-C3-PG 64-10. PG 70-10 OR MODIFIED ASPHALT BINDER MAY ALSO BE USED WITH ANY OF THE AC MIXES IF APPROVED BY THE CITY ENGINEER.
 - b. FINISH COURSE FOR RESURFACING SHALL BE LAID DOWN USING A SELF-PROPELLED PAVING MACHINE AND COMPACTED.
 - c. SMOOTHNESS AND COMPACTION OF RESURFACING SHALL MEET THE REQUIREMENTS OF SEC 302-5 SSPWC EXCEPT THAT THE SMOOTHNESS SHALL BE DETERMINED OVER THE LENGTH AND WIDTH OF PAVED AREAS DISTURBED BY THE CONTRACTOR'S OPERATIONS.
4. SURFACE TREATMENT TO MATCH EXISTING PAVEMENT SURFACE (SLURRY, CHIP SEAL, ETC.)
5. SLOUGHING OF TRENCH UNDER PAVEMENT SHALL BE CAUSE FOR REQUIRING ADDITIONAL PAVEMENT AND BASE.
6. MULTIPLE TRENCHES ON THE SAME STREET SEGMENT WILL REQUIRE FULL WIDTH MILL AND OVERLAY TO A DEPTH OF 2 INCHES MINIMUM. MULTIPLE TRENCHES INCLUDES MAIN LINE TRENCH WITH LATERAL TRENCHES OR PARALLEL TRENCHES ON THE SAME STREET SEGMENT.
7. ASPHALT CONCRETE FINISH COURSE MATERIAL SHALL MATCH EXISTING SURFACE ASPHALT CONCRETE MATERIAL. IF EXISTING STREET IS SURFACED WITH MODIFIED AC, THEN THE FINAL FINISH COURSE SHALL ALSO BE WITH THE SIMILAR MODIFIED AC. CONVENTIONAL AC MATERIAL MAY BE USED IN THE FINAL FINISH COURSE WITH MINIMUM TOTAL AC THICKNESS ONE INCH GREATER THAN THE EXISTING AC FINISH COURSE IF REQUESTED AND APPROVED BY THE CITY ENGINEER.

REV.	APPROVED	DATE	CITY OF CARLSBAD	DATE
			NOTES FOR ASPHALT CONCRETE	
			TRENCH RESURFACING	
			CITY ENGINEER	42692022
			SUPPLEMENTAL STANDARD NO.	GS-28

CARLSBAD PAVEMENT RESTORATION DETAIL (CONT.)

NO SCALE

3
VAR

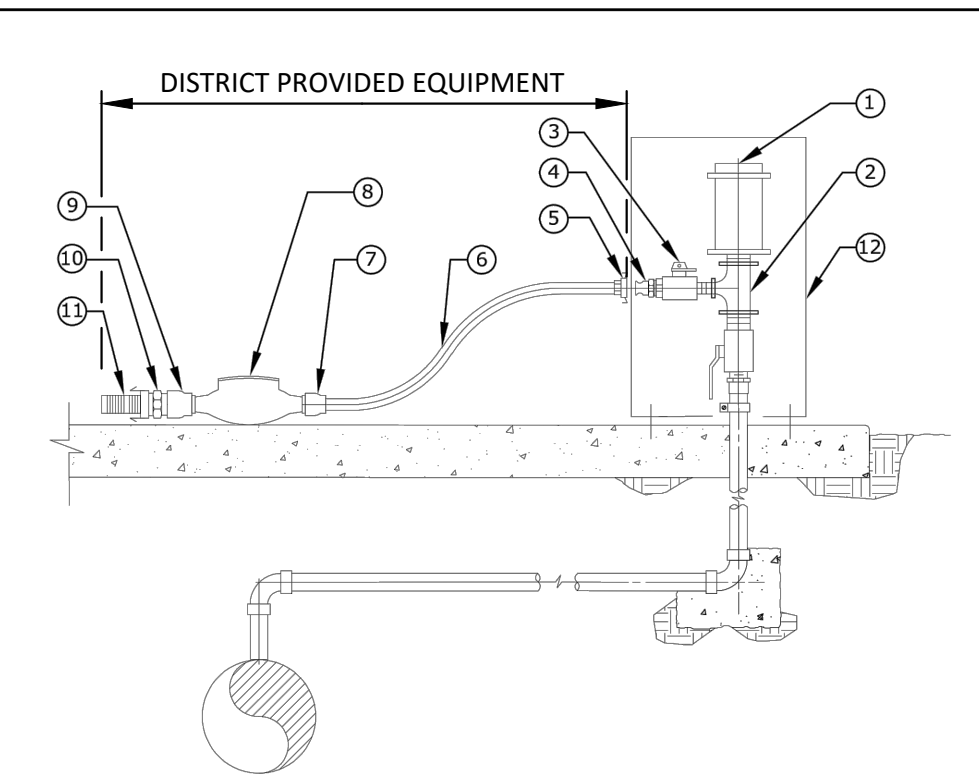


REV.	APPROVED	DATE	CITY OF CARLSBAD	DATE
			EXPLORATORY UTILITY POTHOLE	
			BACKFILL AND RESURFACING	
			(DIAM ≤ 8 IN.)	
			CITY ENGINEER	42692022
			SUPPLEMENTAL STANDARD NO.	GS-29

CARLSBAD UTILITY POTHOLE DETAIL

NO SCALE

4
VAR



ITEM NO.	SIZE AND DESCRIPTION	ITEM NO.	SIZE AND DESCRIPTION
1	2" COMBINATION AIR RELEASE AND VACUUM VALVE	7	1 1/4" x 1" REDUCING COUPLING
2	2" x 2" x 1" BRASS REDUCING TEE	8	1 1/4" TEMPORARY CONSTRUCTION METER
3	1" BRASS BALL VALVE WITH FEMALE IPT	9	2" x 1 1/4" BRASS REDUCING COUPLING
4	1" METAL CAM-AND-GROOVE HOSE PLUG WITH MALE THREADED END	10	2" METAL CAM-AND-GROOVE HOSE PLUG WITH MALE THREADED END
5	1" CAM-AND-GROOVE HOSE SOCKET WITH BARBED END	11	2" METAL CAM-AND-GROOVE HOSE SOCKET WITH BARBED END
6	1" RECYCLED WATER PURPLE HOSE	12	PURPLE LOCKABLE AIR VALVE ENCLOSURE

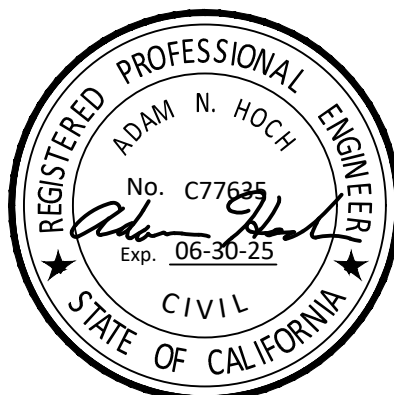
2-INCH RECYCLED WATER ARV & FILL STATION
OMWD STD SPEC 15092

OLIVENHAIN MUNICIPAL WATER DISTRICT JANUARY, 2019 EXHIBIT E

2-INCH RECYCLED WATER ARV & FILL STATION DETAIL

NO SCALE

5
VAR



RECYCLED WATER PIPELINE EXTENSIONS FOR
CALLE BARCELONA, VILLAGE PARK & SUMMERHILL

OLIVENHAIN

Municipal Water District
1966 Olivenhain Road
Encinitas, CA 92024 (760)753-6466

CIVIL DETAILS 1

SHEET
14 OF 18

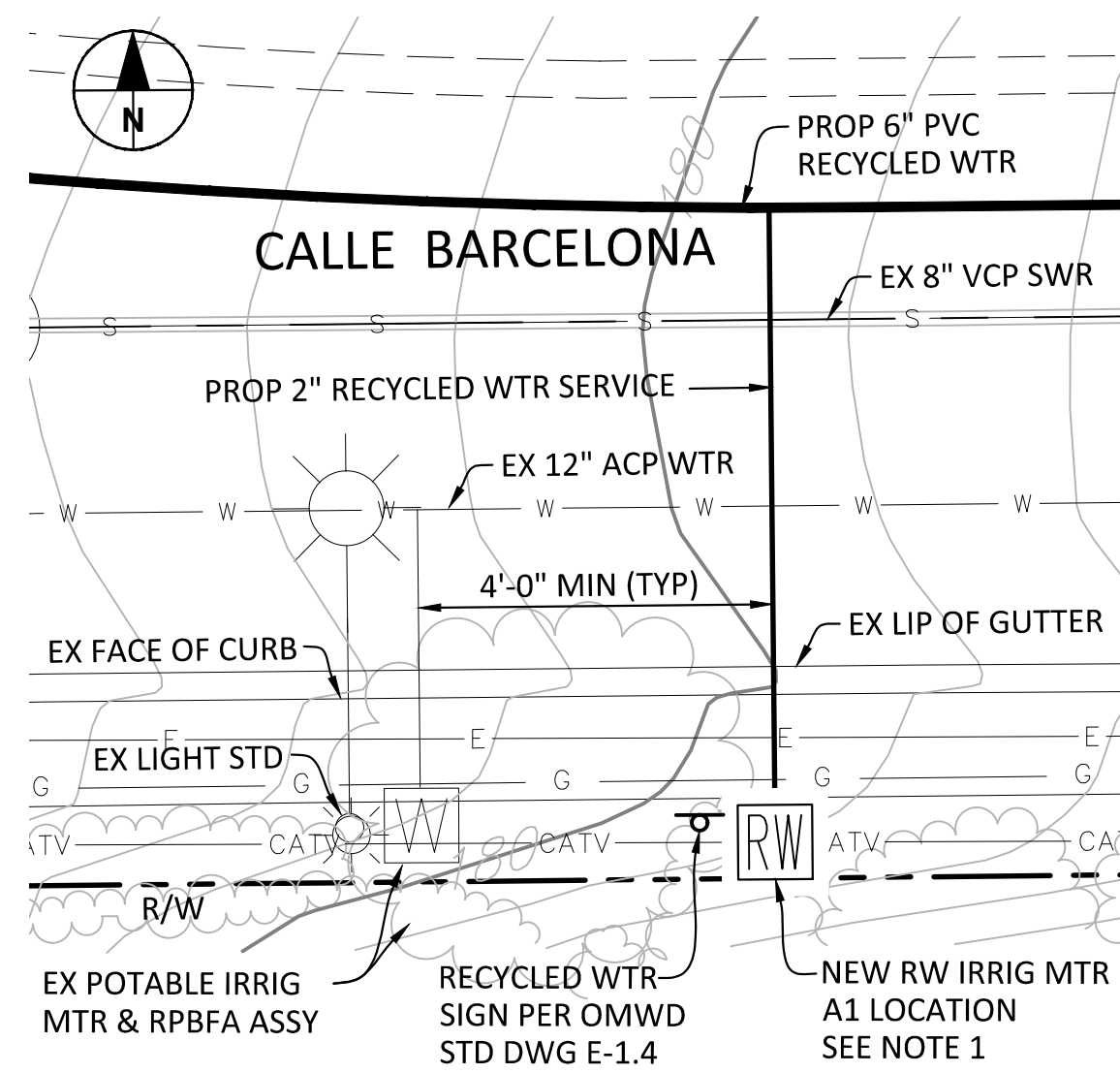
DRAWING
C-11

D800019

ORIGINAL SCALE IN INCHES

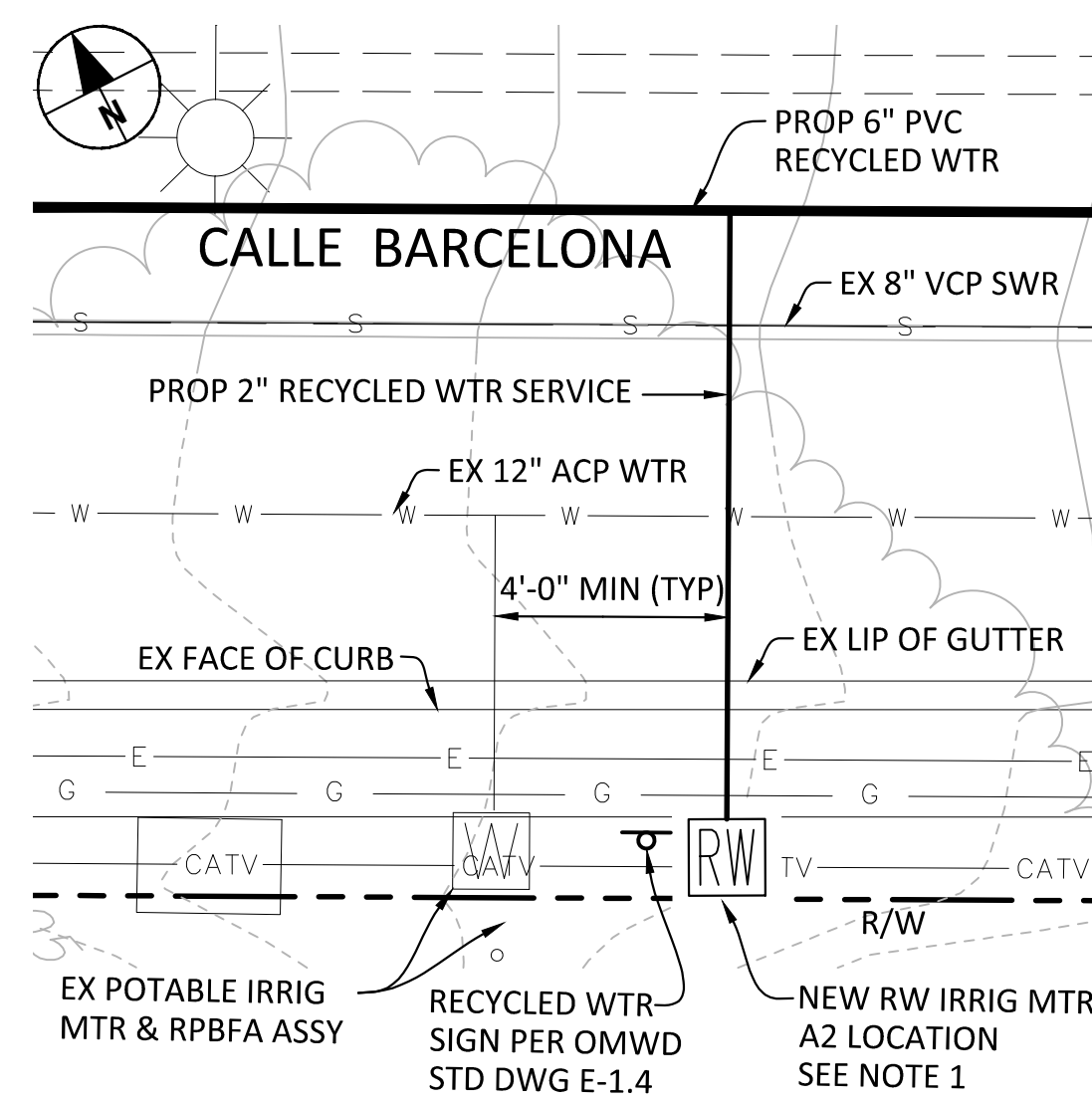
DESIGN	RR	DRAWN	RR	CHECKED	MARK	DATE	BY	REVISIONS

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804 PIER VIEW WAY - SUITE 100
OCEANSIDE, CA 92054
www.hochconsulting.com



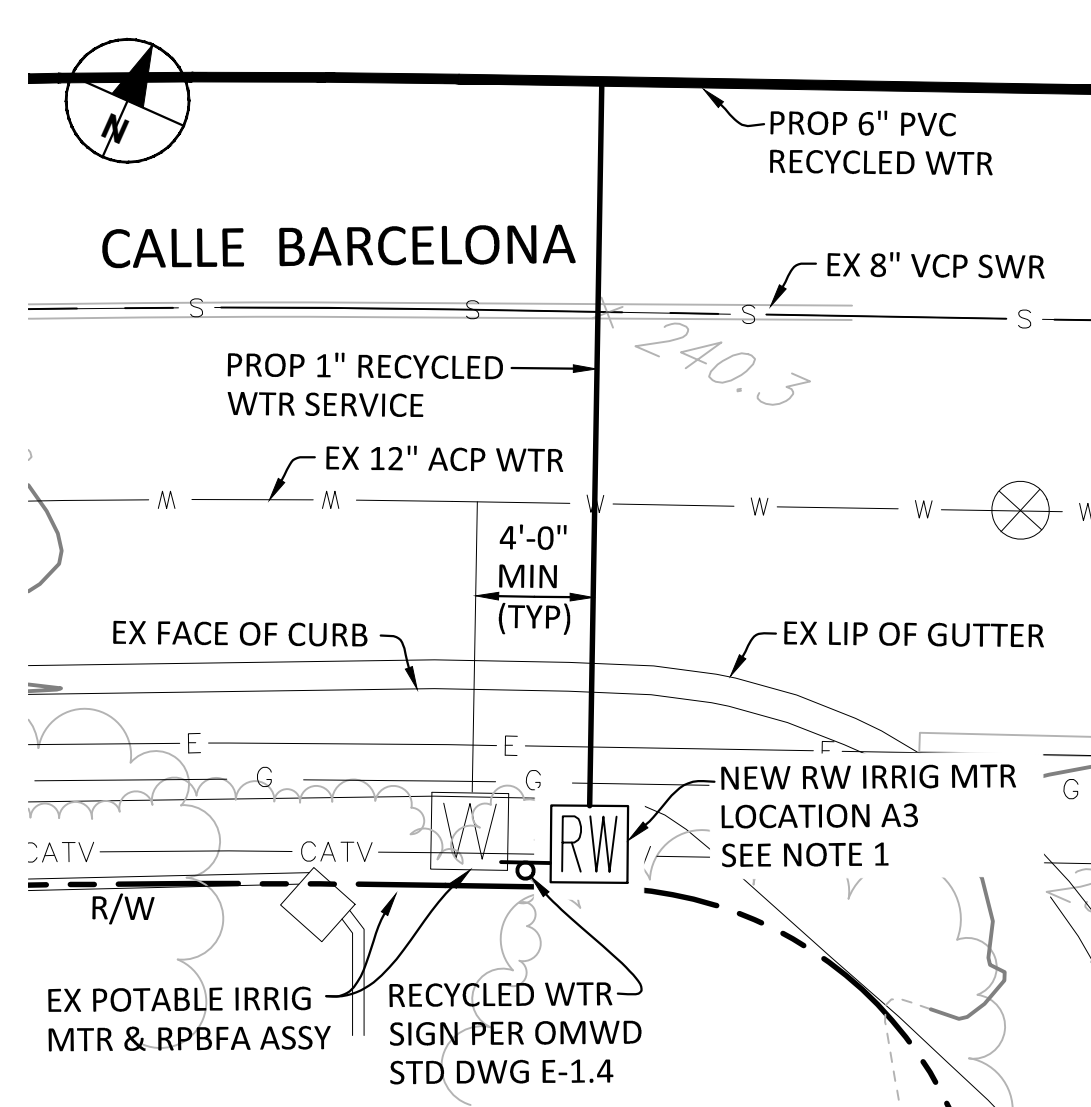
RECYCLED WATER METER CONNECTION
METER A1 CALLE BARCELONA

SCALE 1" = 10'-0"



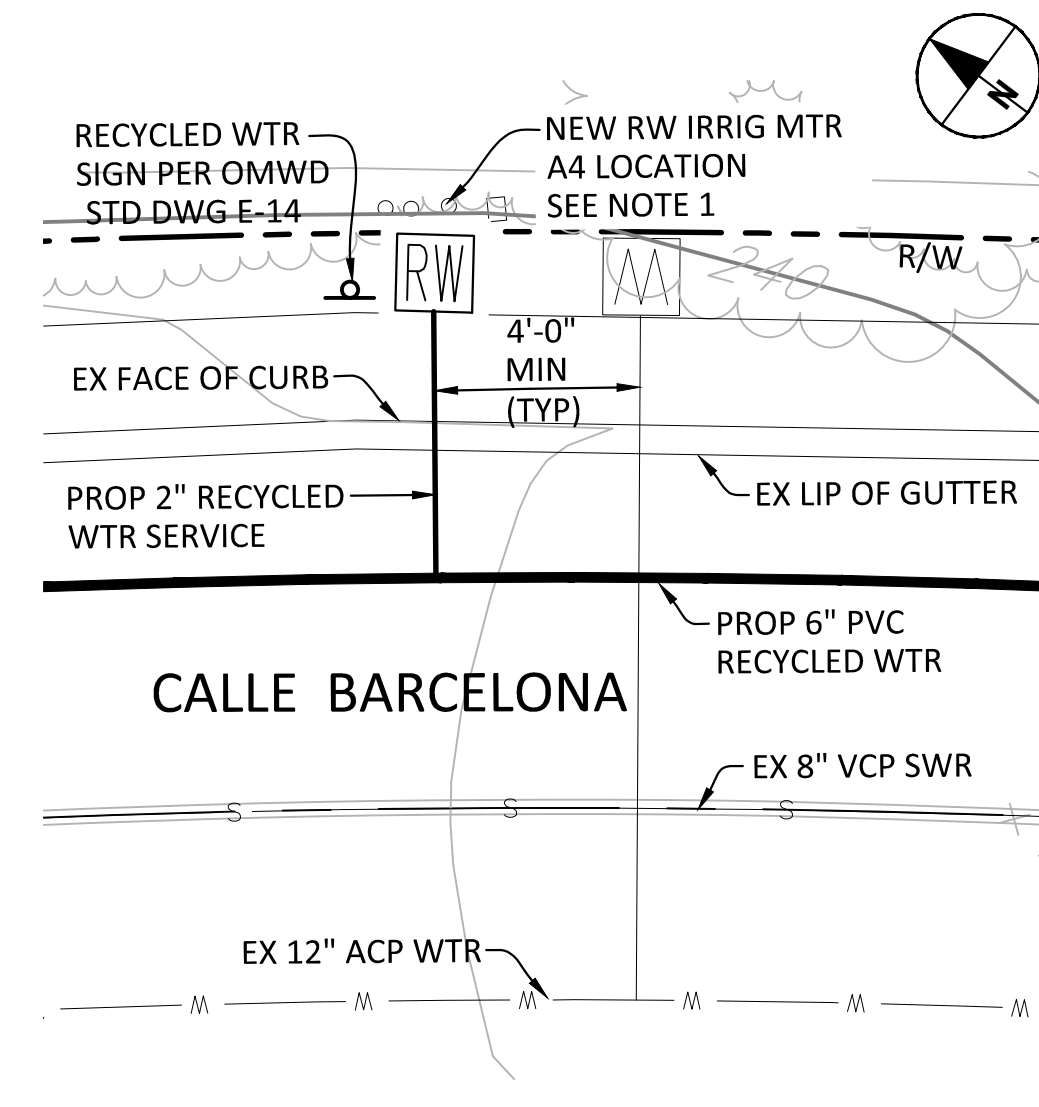
RECYCLED WATER METER CONNECTION
METER A2 CALLE BARCELONA

SCALE 1" = 10'-0"



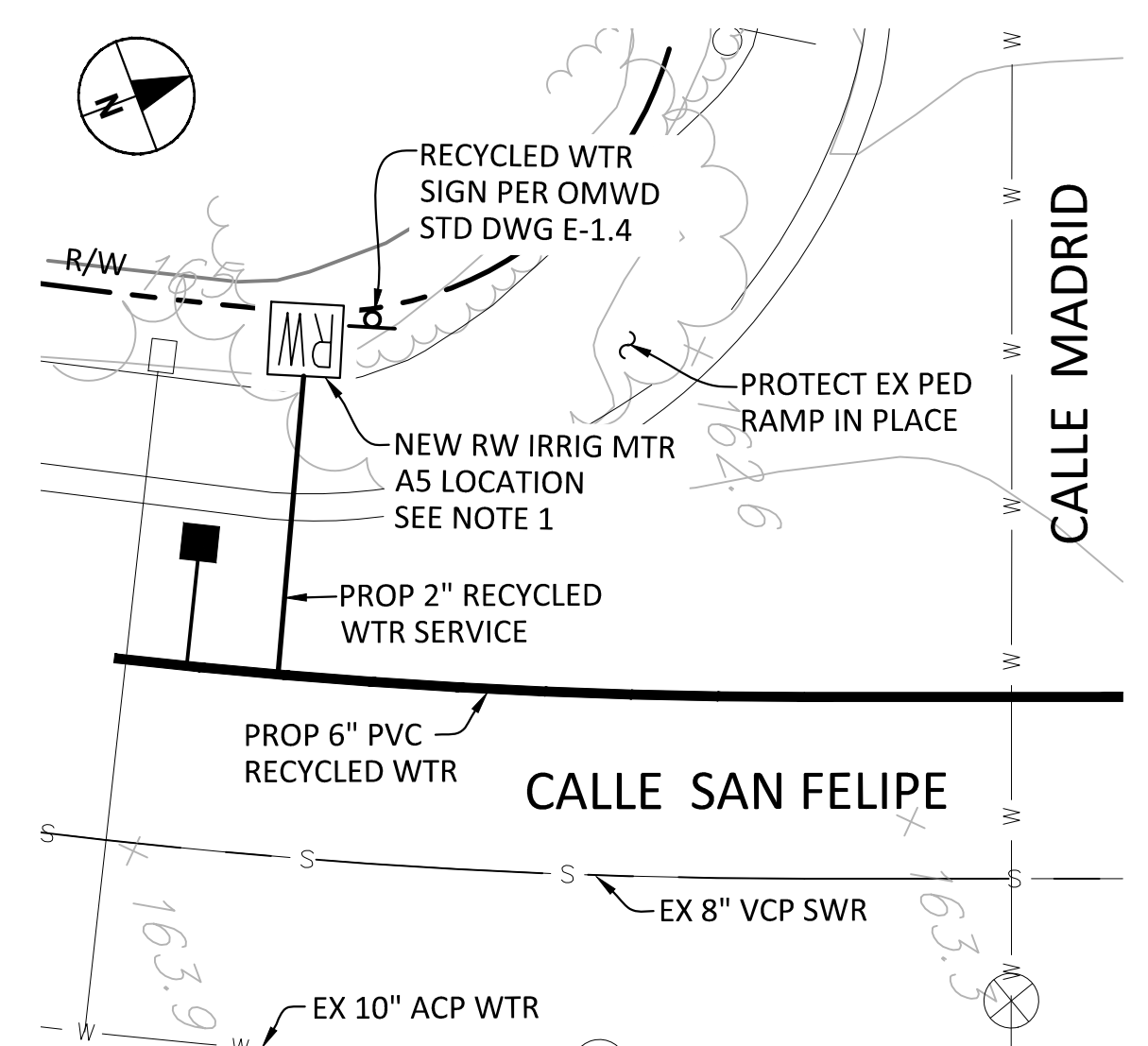
RECYCLED WATER METER CONNECTION
METER A3 CALLE BARCELONA

SCALE 1" = 10'-0"



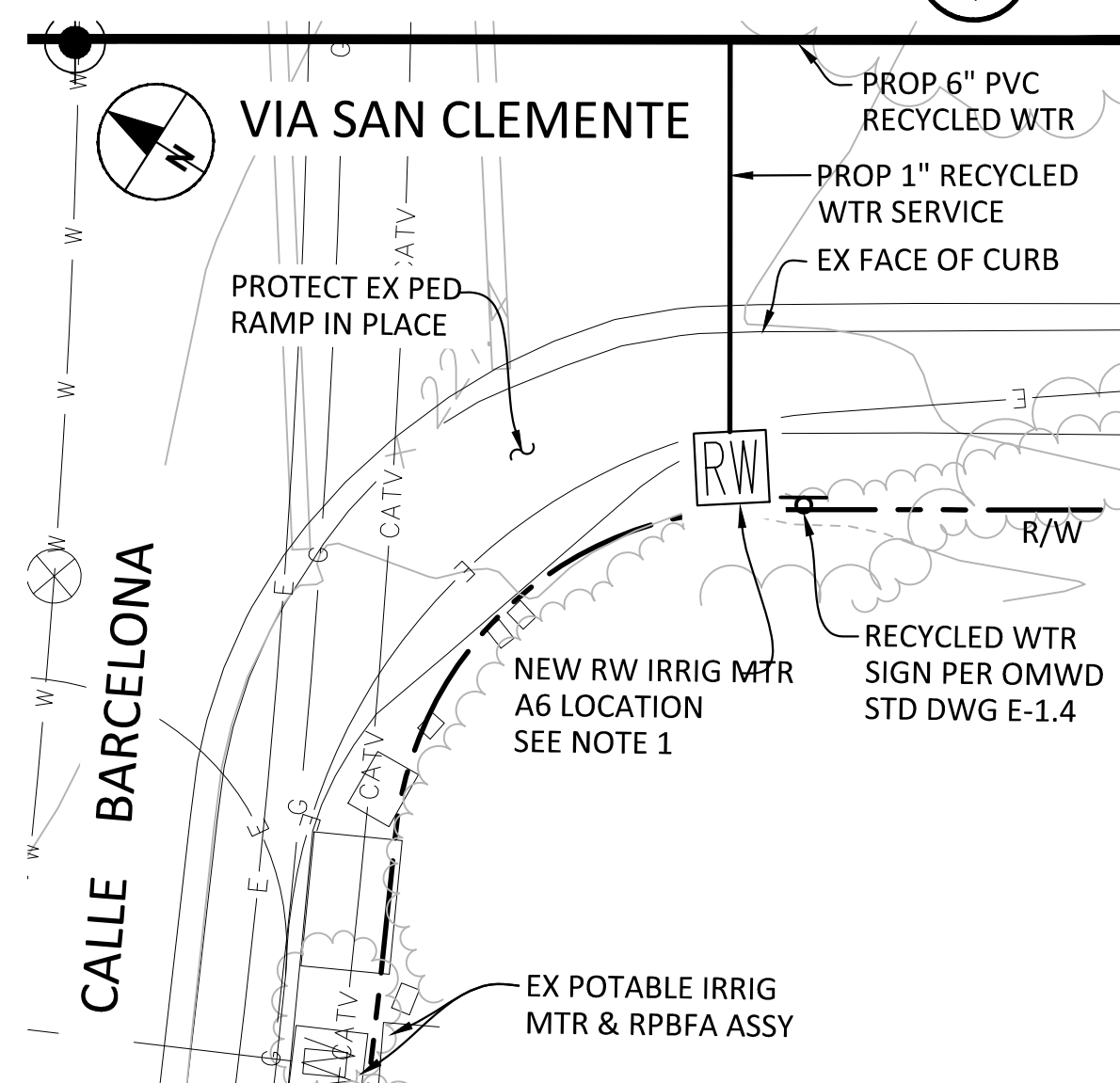
RECYCLED WATER METER CONNECTION
METER A4 CALLE BARCELONA

SCALE 1" = 10'-0"



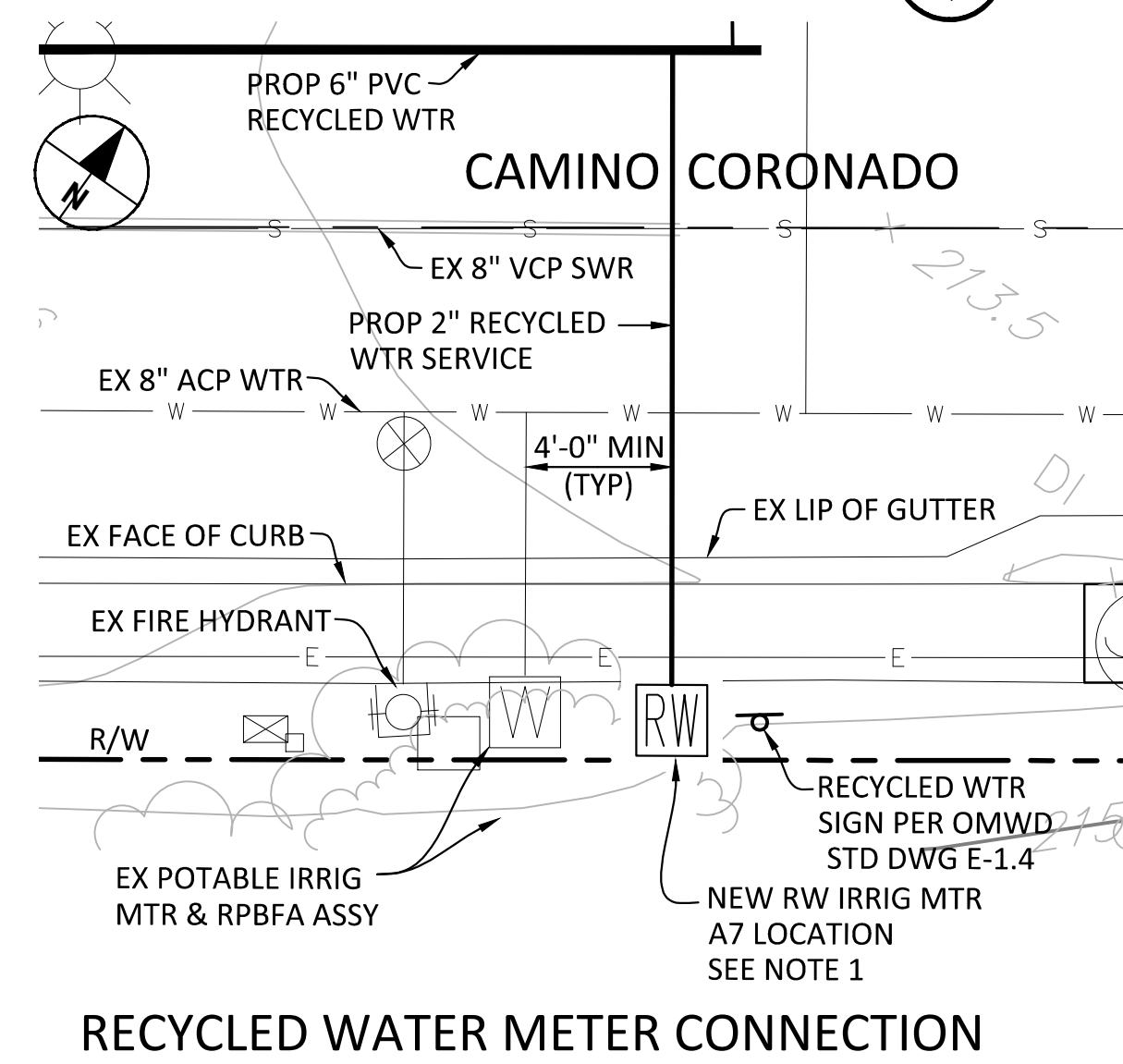
RECYCLED WATER METER CONNECTION
METER A5 CALLE SAN FELIPE

SCALE 1" = 10'-0"



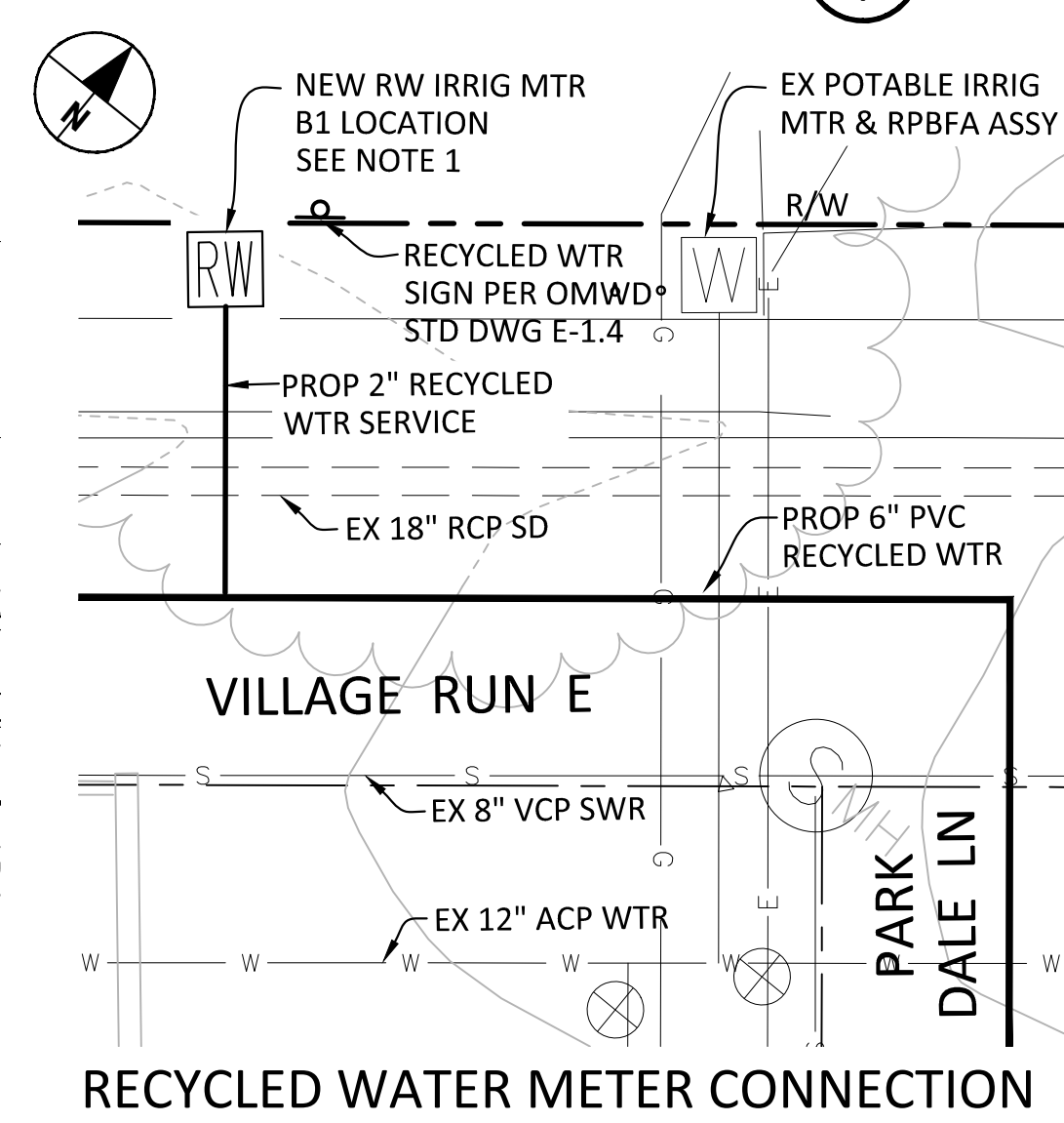
RECYCLED WATER METER CONNECTION
METER A6 VIA SAN CLEMENTE

SCALE 1" = 10'-0"



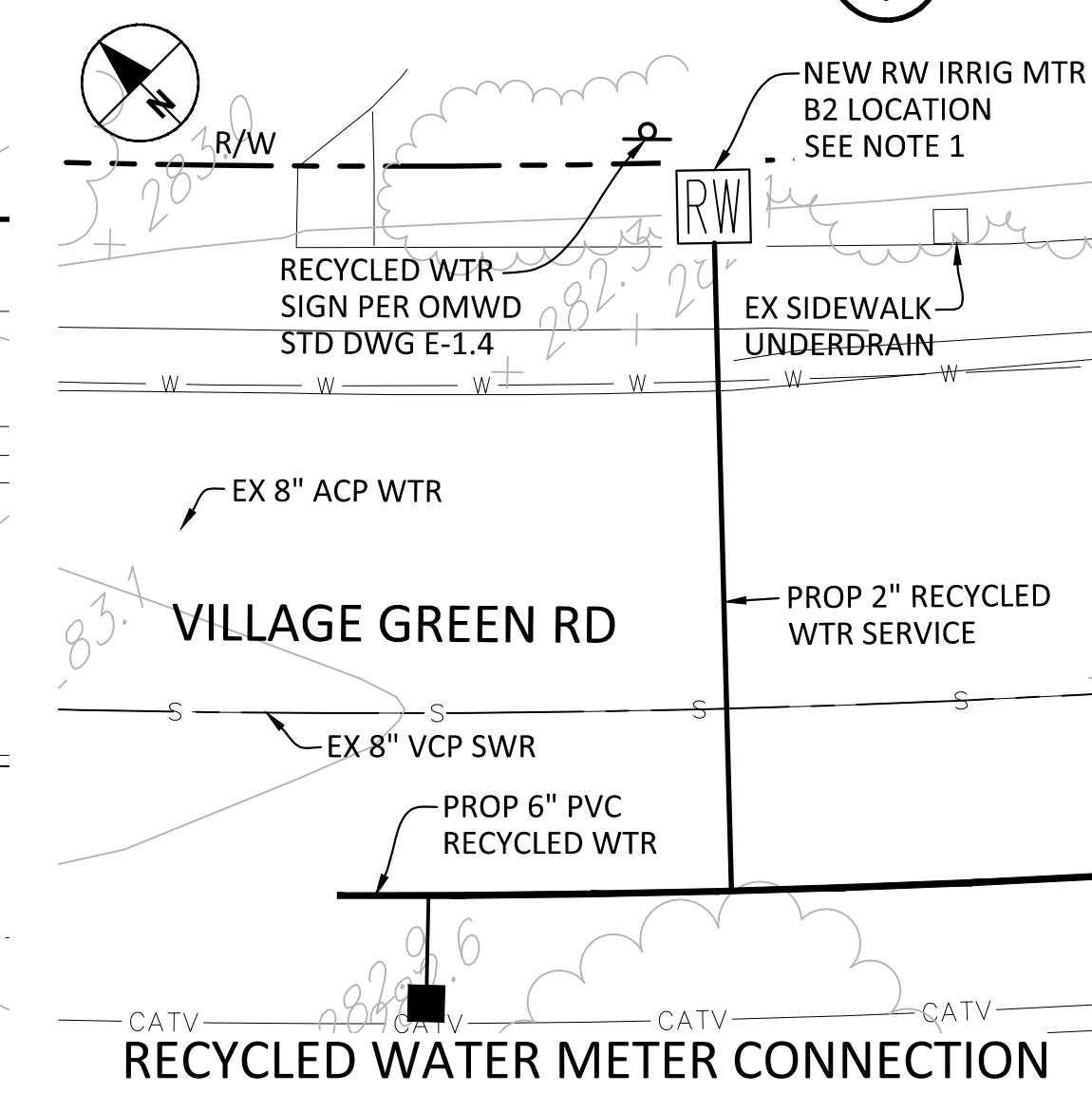
RECYCLED WATER METER CONNECTION
METER A7 CAMINO CORONADO

SCALE 1" = 10'-0"



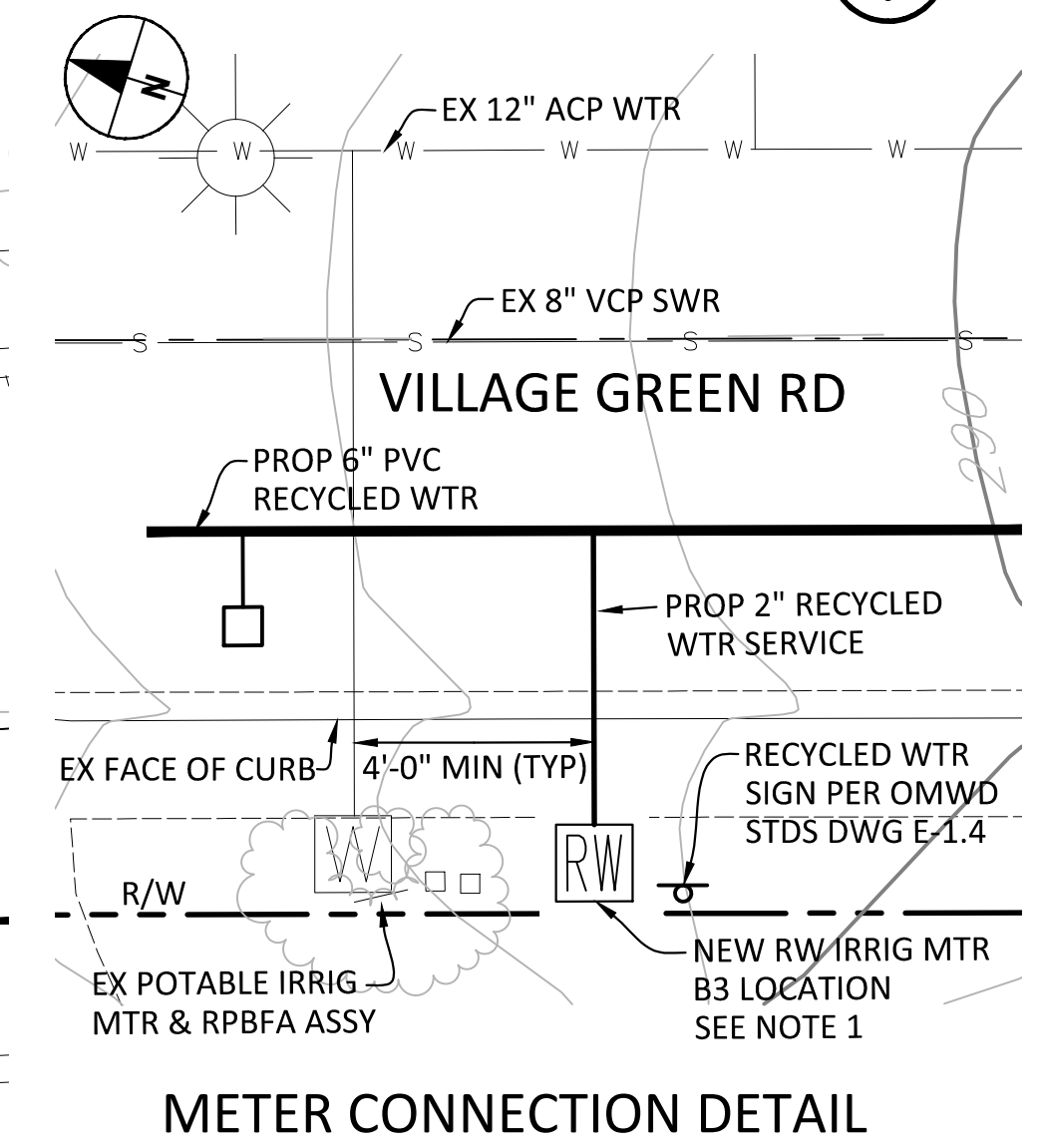
RECYCLED WATER METER CONNECTION
METER B1 VILLAGE RUN E

SCALE 1" = 10'-0"



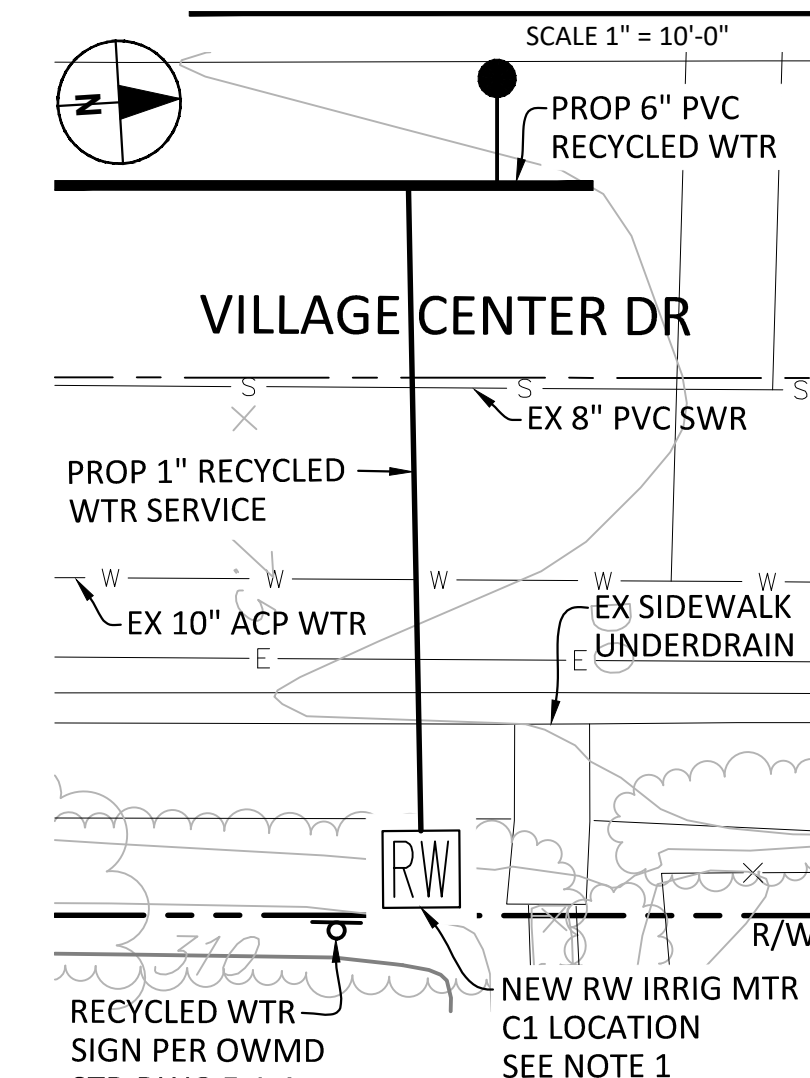
RECYCLED WATER METER CONNECTION
METER B2 VILLAGE GREEN RD

SCALE 1" = 10'-0"



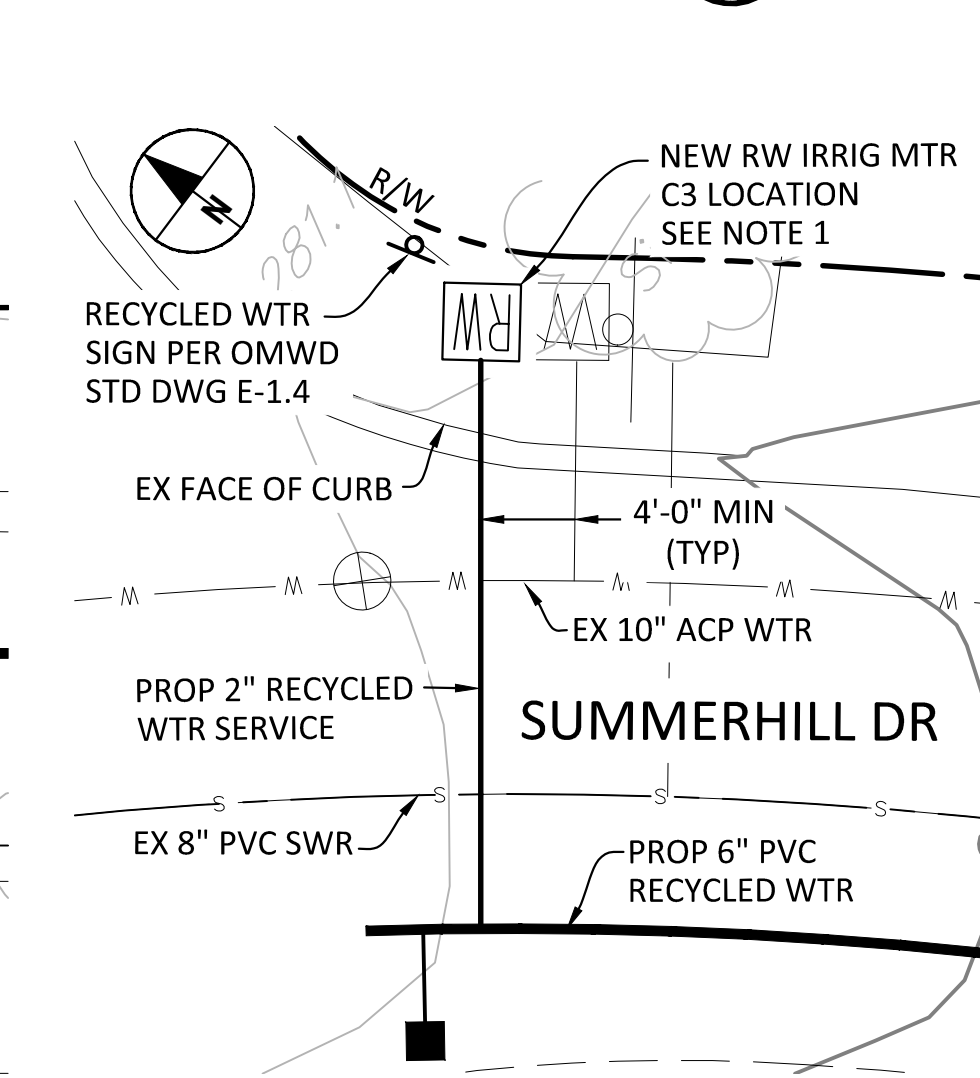
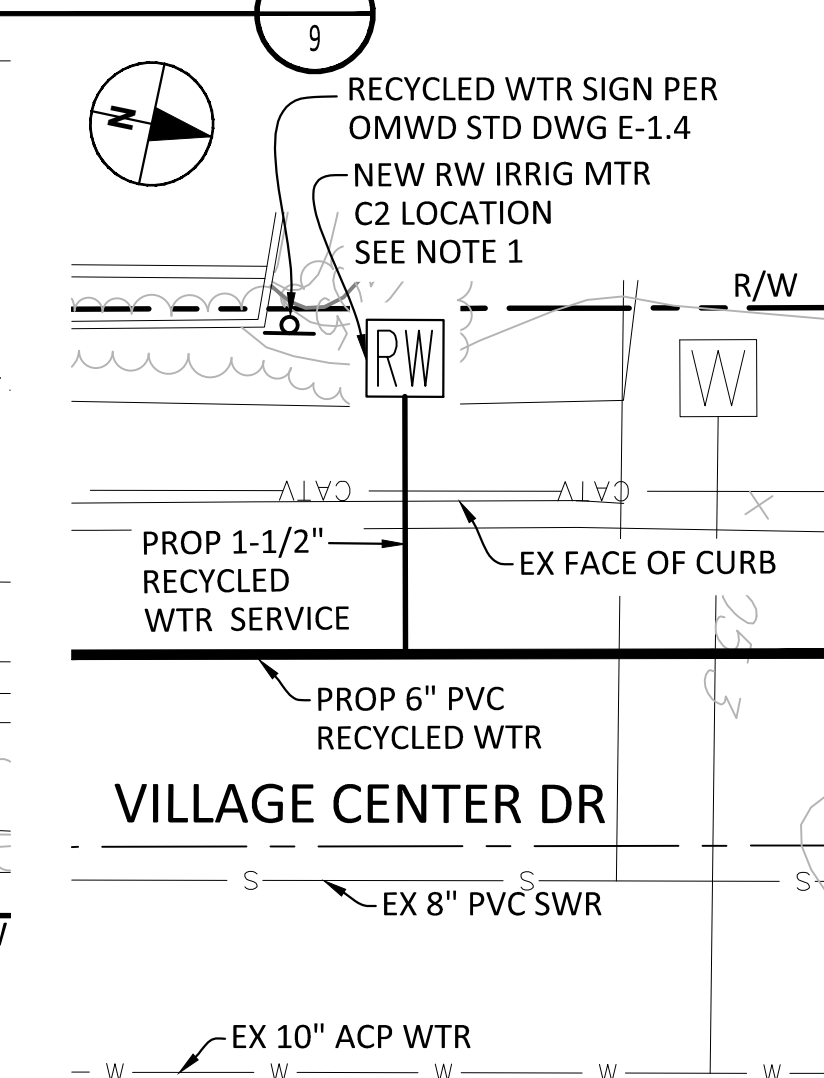
METER CONNECTION DETAIL
METER B3 VILLAGE RUN E

SCALE 1" = 10'-0"



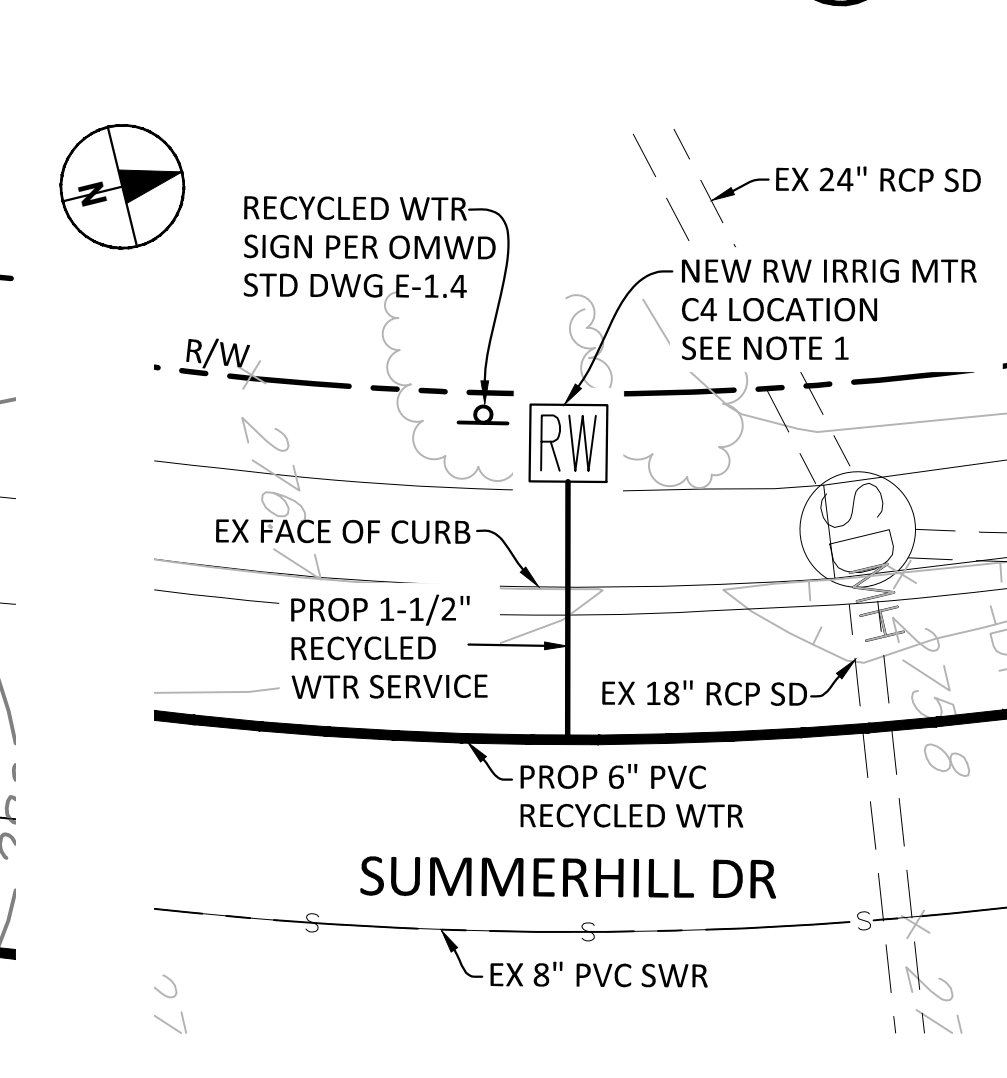
RECYCLED WATER METER CONNECTION
METERS C1 & C2 VILLAGE CENTER DR

SCALE 1" = 10'-0"



RECYCLED WATER METER CONNECTION
METERS C3 & C4 SUMMERHILL DR

SCALE 1" = 10'-0"



NOTES:

1. FINAL RECYCLED WATER METER PLACEMENT SHALL BE DETERMINED IN THE FIELD BY A DISTRICT REPRESENTATIVE.
2. PROTECT ALL PEDESTRIAN RAMPS IN PLACE.



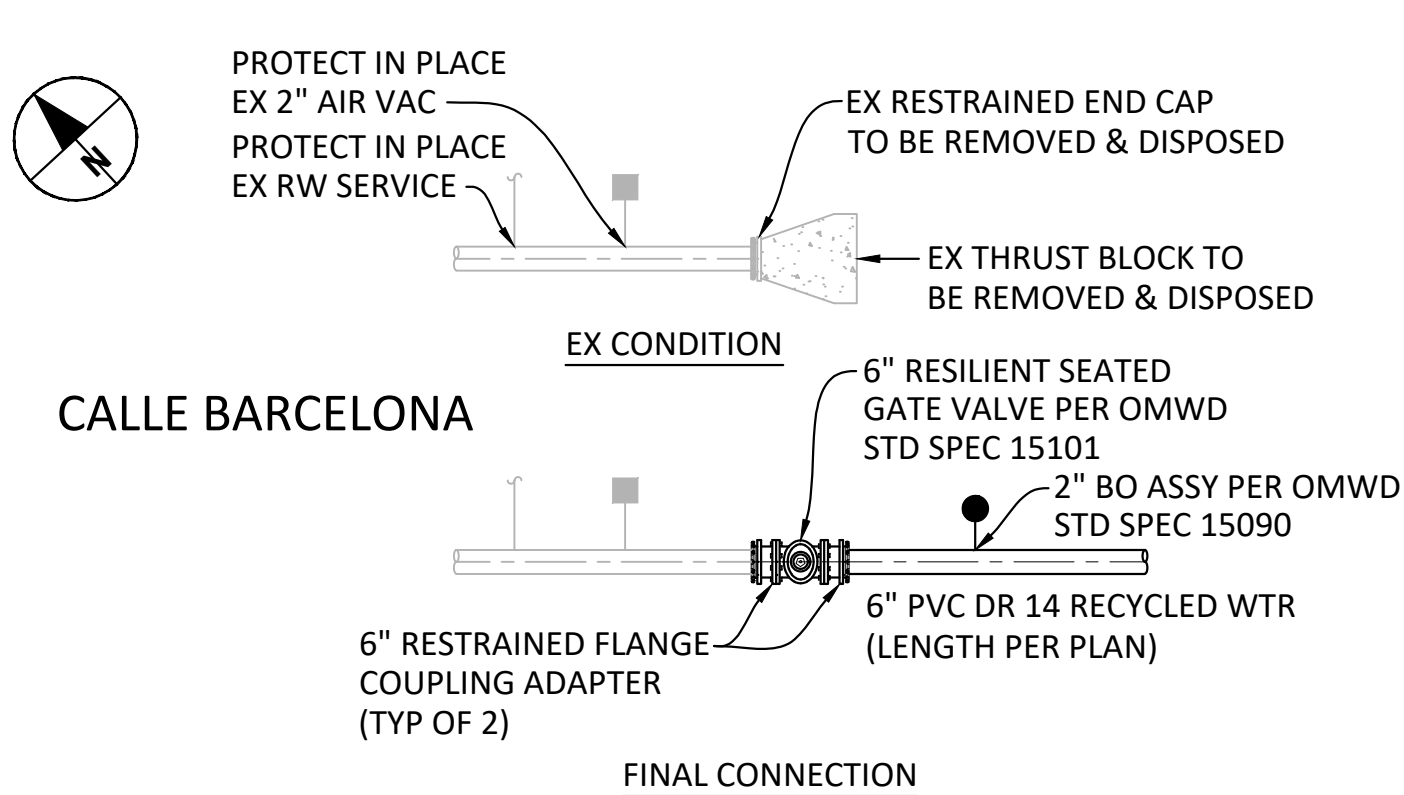
OLIVENHAIN
Municipal Water District
1966 Olivenhain Road
Encinitas, CA 92024 (760)753-6466

RECYCLED WATER PIPELINE EXTENSIONS FOR
CALLE BARCELONA, VILLAGE PARK & SUMMERHILL

SHEET 15 OF 18
DRAWING C-12

D800019

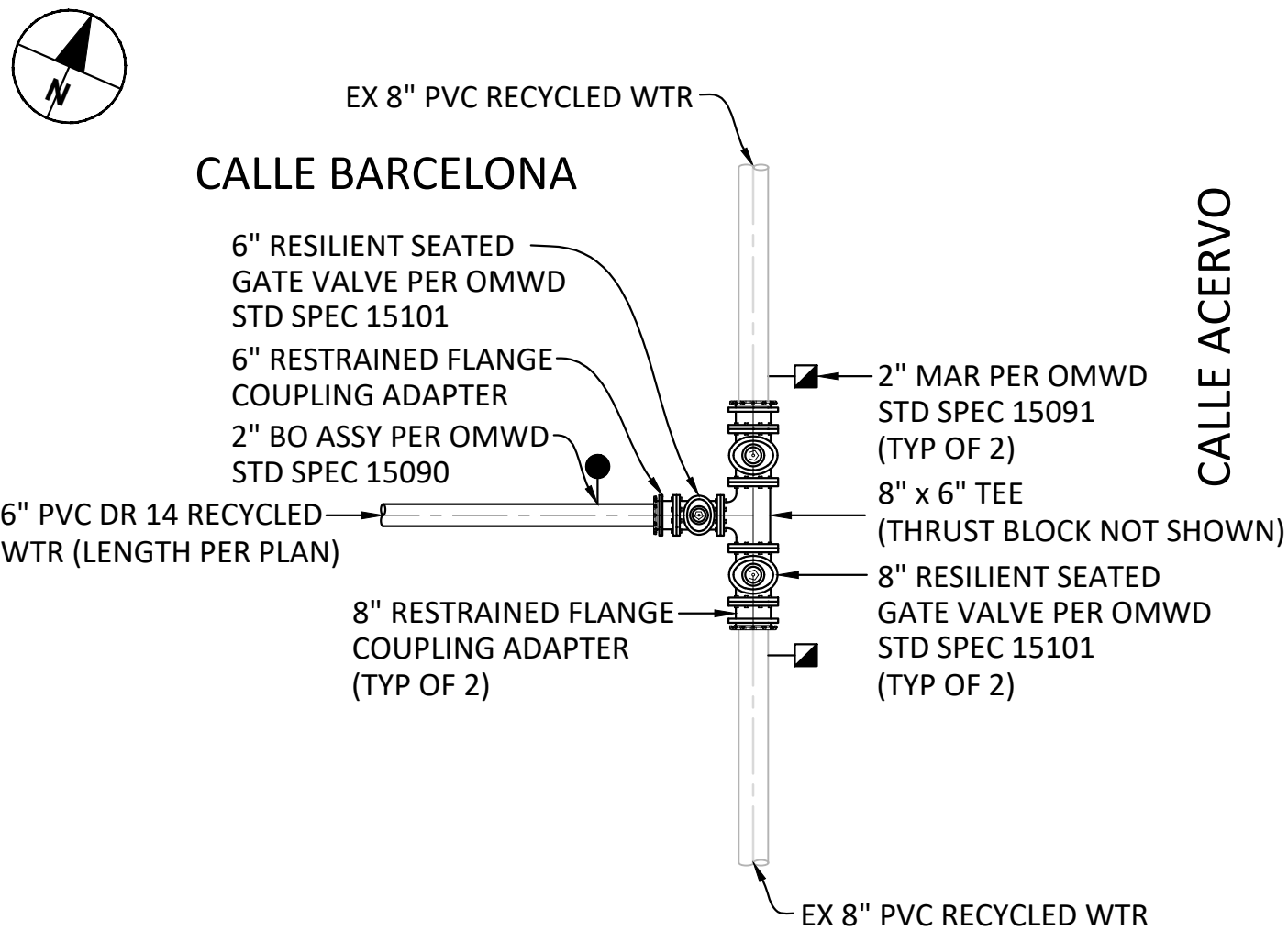
ORIGINAL SCALE IN INCHES



- NOTES:**
UPON APPROVAL OF THREE (3) WEEK WRITTEN REQUEST, THE DISTRICT SHALL DE-ENERGIZE THE EX PIPELINE AHEAD OF CONTRACTOR.
- STEP 1. REMOVE EX THRUST BLOCK & ALL CEMENTITIOUS MATERIAL WITHIN TRENCH. REPLACE ANY FILL MATERIAL/BEDDING DISPLACED BY RESULTING VOID.
- STEP 2. REMOVE END CAP, CLEAN THE EXTERIOR AREA WHERE THE MECHANICAL JOINT WAS PLACED & INSPECT THE PIPE FOR ANY DAMAGE FROM GOUGING.
- STEP 3. CONNECT NEW PIPELINE TO EX PLAIN END PER DETAIL.

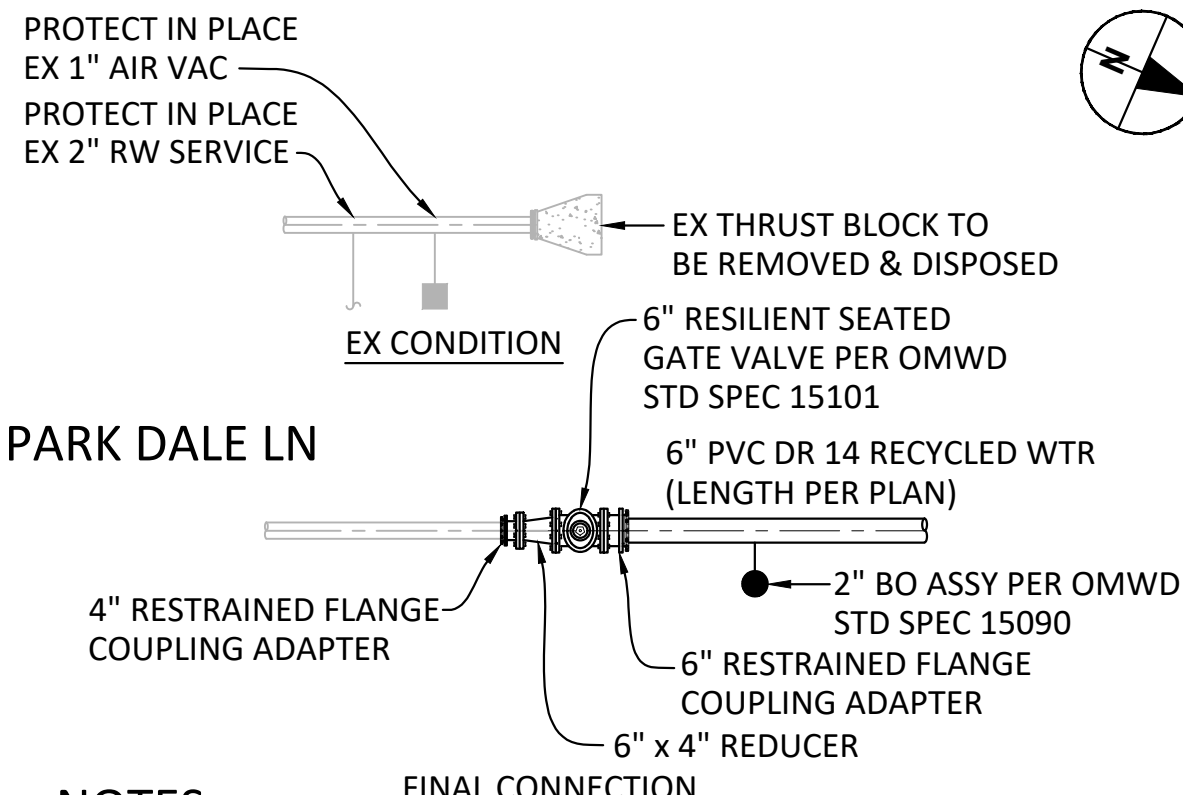
PIPELINE CONNECTION DETAIL @
STA 10+00.00 CALLE BARCELONA

SCALE 1/4" = 1'-0"



PIPELINE CONNECTION DETAIL @
STA 35+52.72 CALLE BARCELONA

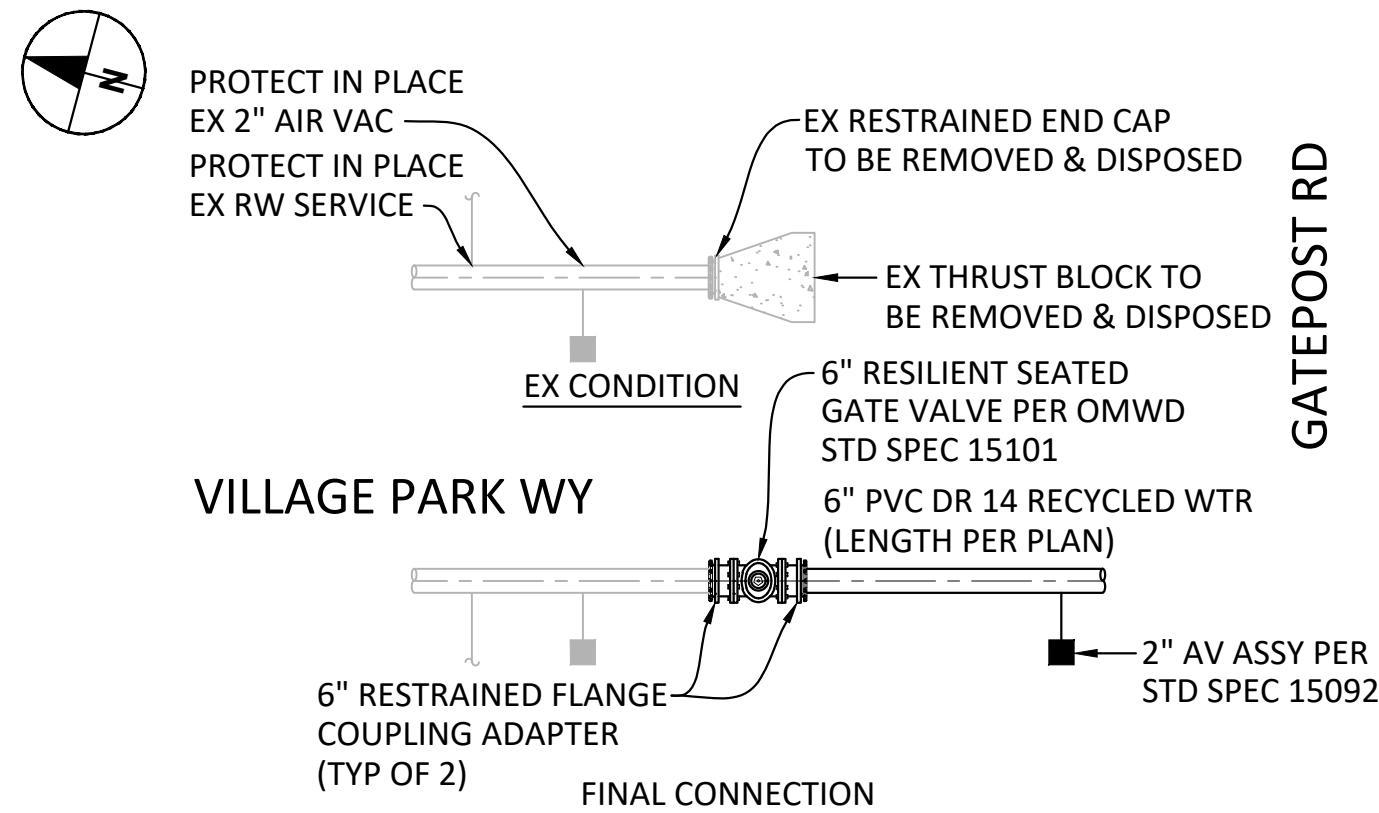
SCALE 1/4" = 1'-0"



- NOTES:**
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- STEP 2. REMOVE END CAP, CLEAN THE EXTERIOR AREA WHERE THE MECHANICAL JOINT WAS PLACED & INSPECT THE PIPE FOR ANY DAMAGE FROM GOUGING.
- STEP 3. CONNECT NEW PIPELINE TO EX PLAIN END PER DETAIL.

PIPELINE CONNECTION DETAIL
@ STA 60+00.00 PARK DALE LN

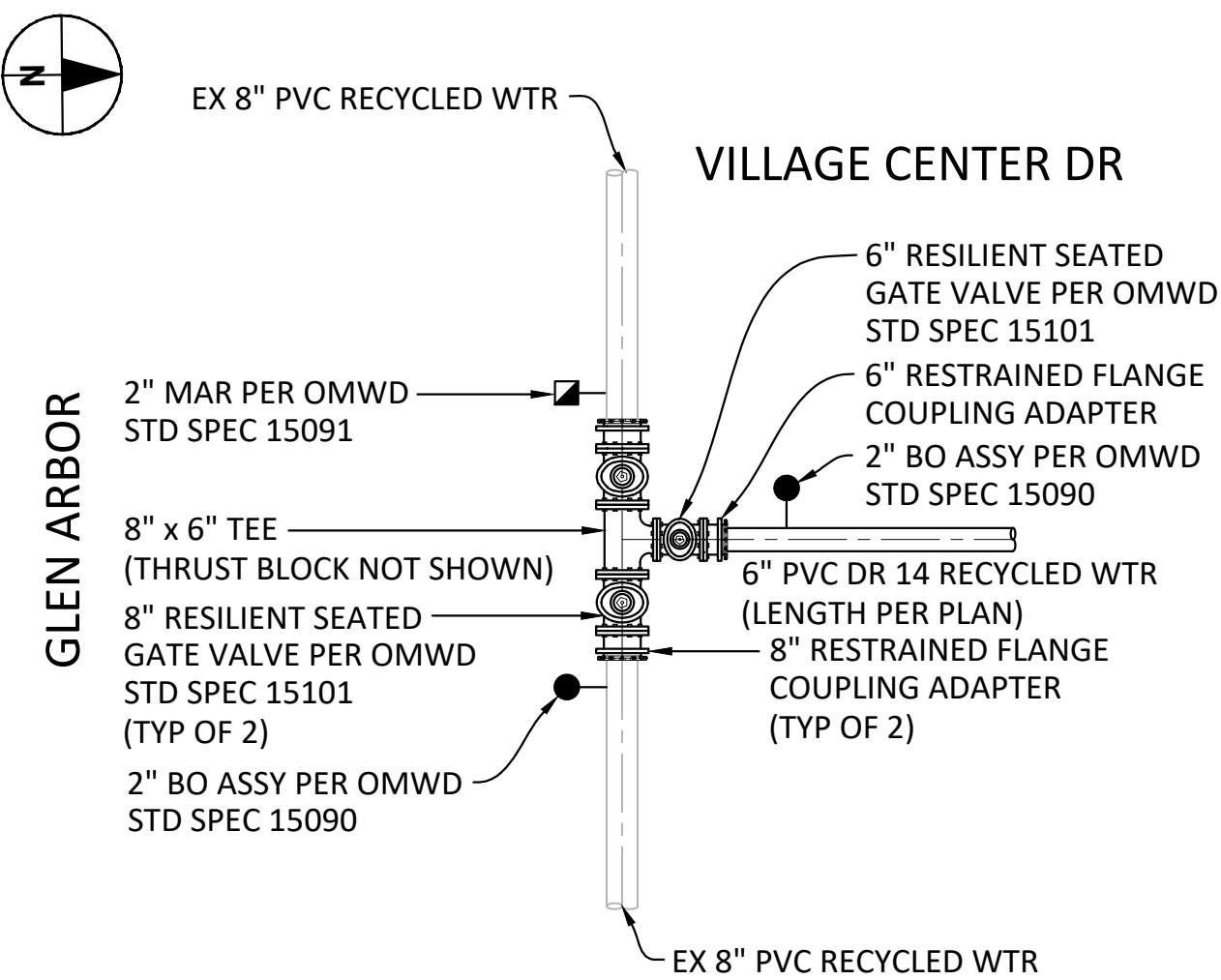
SCALE 1/4" = 1'-0"



- NOTES:**
UPON APPROVAL OF THREE (3) WEEK WRITTEN REQUEST, THE DISTRICT SHALL DE-ENERGIZE THE EX PIPELINE AHEAD OF CONTRACTOR.
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- STEP 3. CONNECT NEW PIPELINE TO EX PLAIN END PER DETAIL.

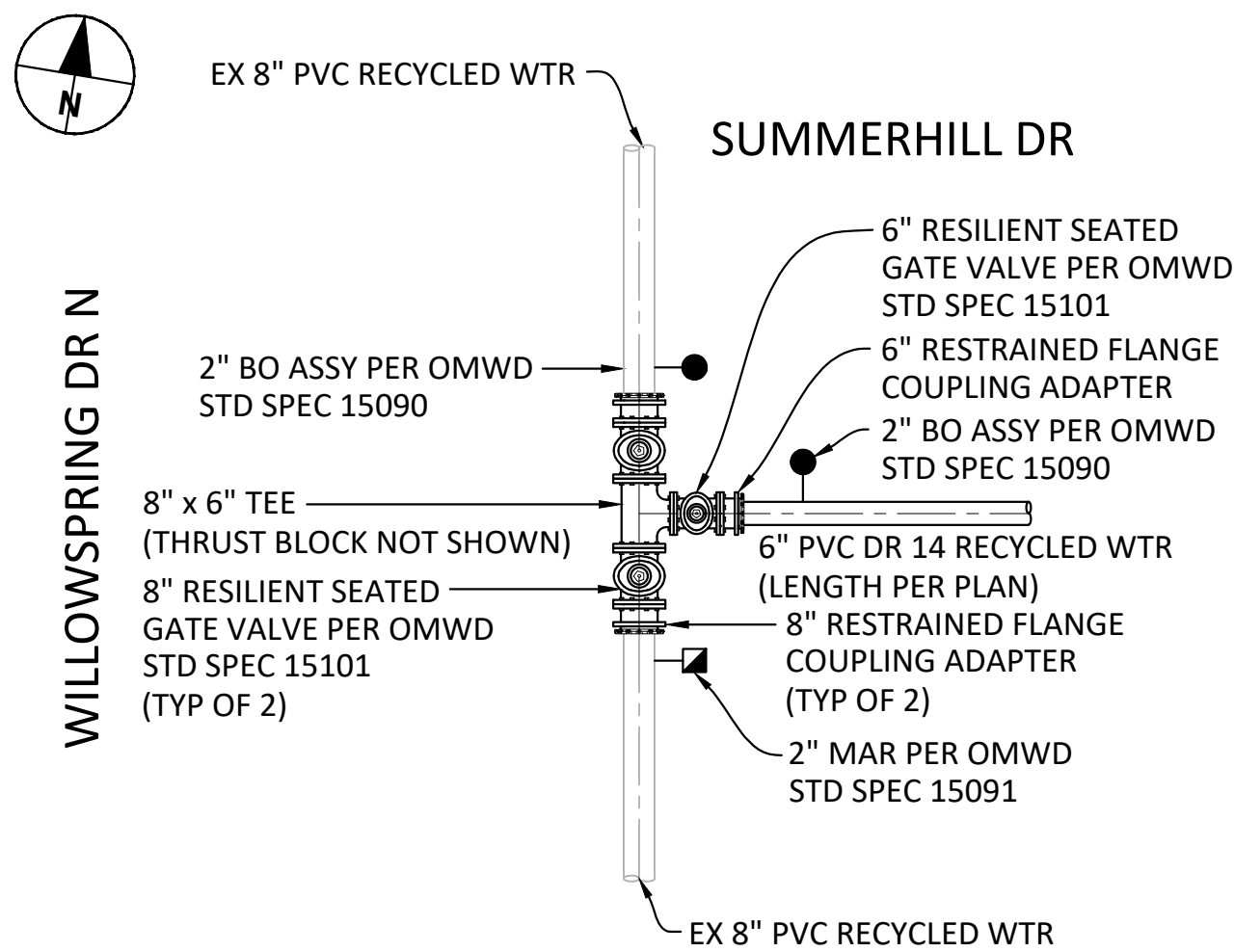
PIPELINE CONNECTION DETAIL
@ STA 70+00.00 GATEPOST RD

SCALE 1/4" = 1'-0"



PIPELINE CONNECTION DETAIL @
STA 80+00.00 VILLAGE CENTER DR

SCALE 1/4" = 1'-0"



PIPELINE CONNECTION DETAIL @
STA 90+00.00 SUMMERHILL DR

SCALE 1/4" = 1'-0"

NOTES:

1. ALL FERROUS METALS AND HARDWARE SHALL BE PROTECTED PER OMWD STD SPEC 09952.
2. TESTING PROCEDURE PER OMWD STD SPEC 15144.
3. WHERE CONTRACTOR DESIRES TO FILL RW LINE PRIOR TO 28-DAY CONCRETE CURE TIME. CONTRACTOR SHALL USE CONCRETE SET ACCELERATING ADMIXTURE SHALL BE ASTM C494 TYPE C, NON-CORROSIVE, NON-CHLORIDE, POLARSET OR APPROVED EQUAL IN THRUST BLOCKS AND PROVIDE CONCRETE TESTING TO ENSURE CONCRETE MEETS REQUIRED STRENGTH PRIOR TO LOADING.



RECYCLED WATER PIPELINE EXTENSIONS FOR
CALLE BARCELONA, VILLAGE PARK & SUMMERHILL

OLIVENHAIN

Municipal Water District
1966 Olivenhain Road
Encinitas, CA 92024 (760)753-6466

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OCEANSIDE, CA 92054
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DESIGN: RR
DRAWN: RR
CHECK: AR/AT
MARK: DATE: BY

SHEET: 16 OF 18
DRAWING: C-13

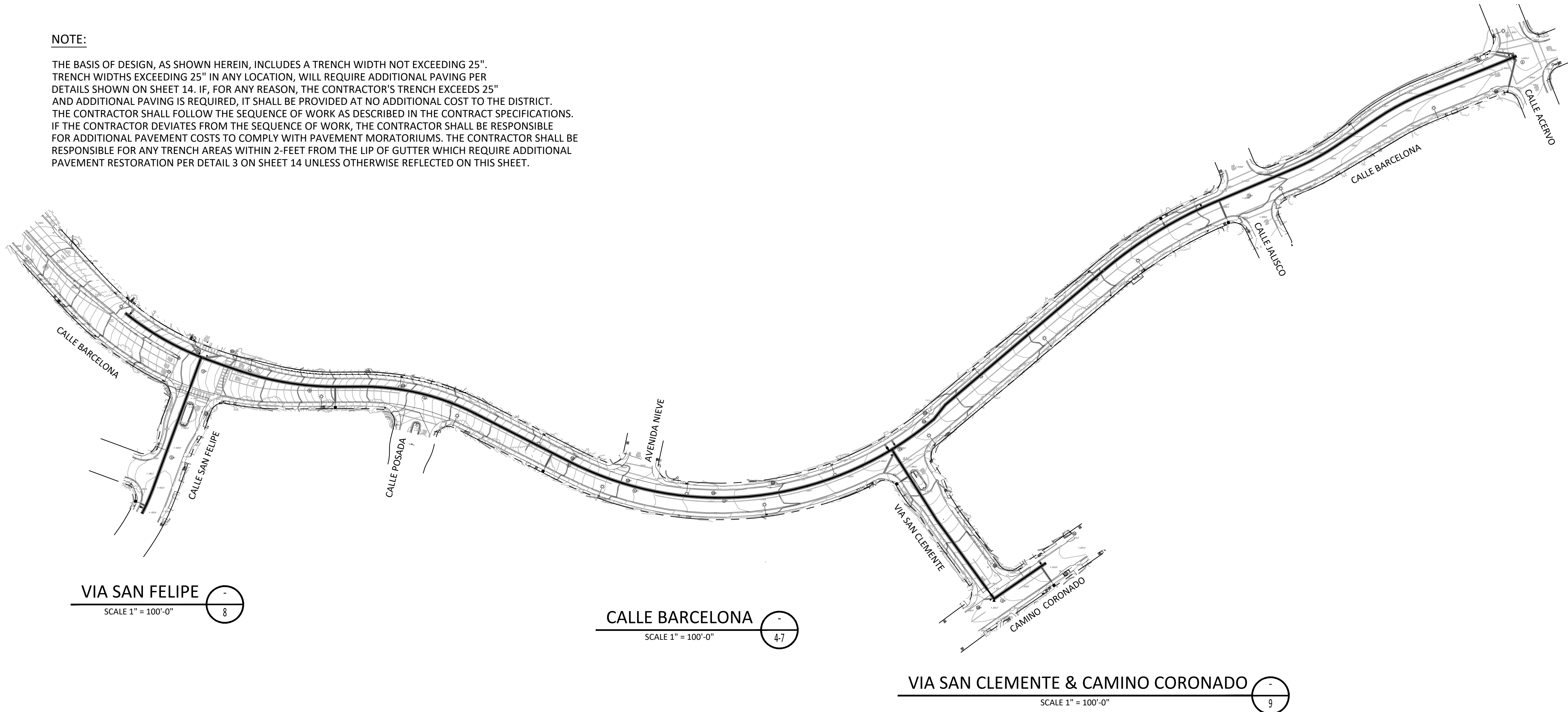
CIVIL DETAILS 3

D800019

ORIGINAL SCALE IN INCHES

NOTE:

THE BASIS OF DESIGN, AS SHOWN HEREIN, INCLUDES A TRENCH WIDTH NOT EXCEEDING 25". TRENCH WIDTHS EXCEEDING 25" IN ANY LOCATION, WILL REQUIRE ADDITIONAL PAVING PER DETAILS SHOWN ON SHEET 14. IF, FOR ANY REASON, THE CONTRACTOR'S TRENCH EXCEEDS 25" AND ADDITIONAL PAVING IS REQUIRED, IT SHALL BE PROVIDED AT NO ADDITIONAL COST TO THE DISTRICT. THE CONTRACTOR SHALL FOLLOW THE SEQUENCE OF WORK AS DESCRIBED IN THE CONTRACT SPECIFICATIONS. IF THE CONTRACTOR DEVIATES FROM THE SEQUENCE OF WORK, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADDITIONAL PAVEMENT COSTS TO COMPLY WITH PAVEMENT MORATORIUMS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY TRENCH AREAS WITHIN 2-FEET FROM THE LIP OF GUTTER WHICH REQUIRE ADDITIONAL PAVEMENT RESTORATION PER DETAIL 3 ON SHEET 14 UNLESS OTHERWISE REFLECTED ON THIS SHEET.



LEGEND:

3" GRIND AND OVERLAY LIMITS PER CITY OF CARLSBAD STD DWG GS-25 SEE DETAIL 3 SHEET 14.

CONSTRUCTION SEQUENCE OF WORK	PAVEMENT SCHEDULE NOTES:			
	LOCATION	RESTORATION	WIDTH	APPROX AREA (SF)
PHASE 1	CALLE BARCELONA	3" COLD MILL & OVERLAY	49"	10,851
PHASE 1	CALLE SAN FELIPE	3" COLD MILL & OVERLAY	49"	1,082
PHASE 1	VIA SAN CLEMENTE & CAMINO CORONADO	3" COLD MILL & OVERLAY	49"	1,705

COLD MILLING ASPHALT CONCRETE PAVEMENT PER SDG-106 TYPE B



DESIGN	RR	DRAWN	RR	CHECK	AR/AH	MARK	DATE	BY	REVISIONS

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Encinitas, CA 92024 (760)753-6466

RECYCLED WATER PIPELINE EXTENSIONS FOR
CALLE BARCELONA, VILLAGE PARK & SUMMERHILL

CITY OF CARLSBAD
PAVEMENT RESTORATION PLAN

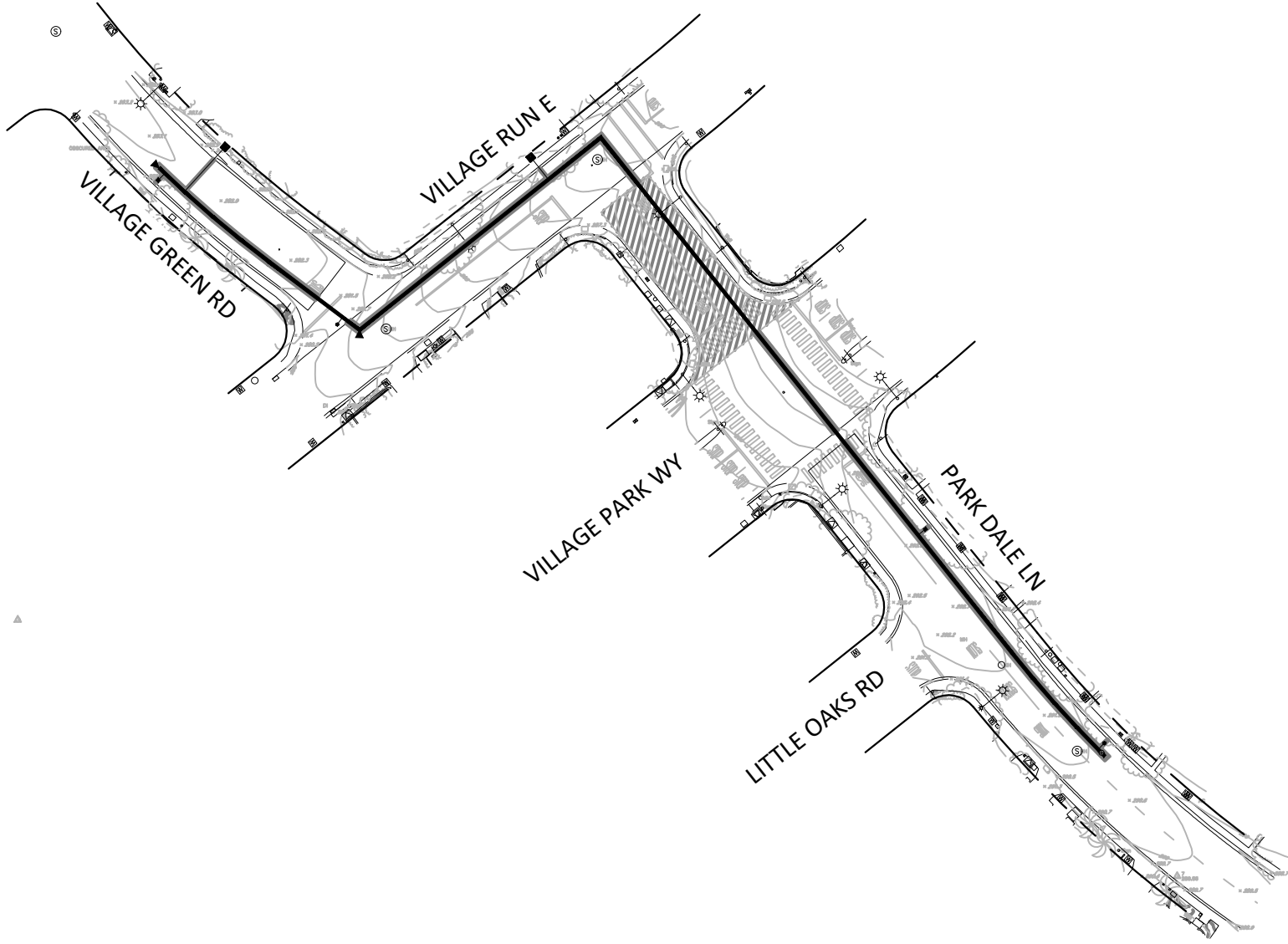
SHEET 17 OF 18
DRAWING C-14

D800019

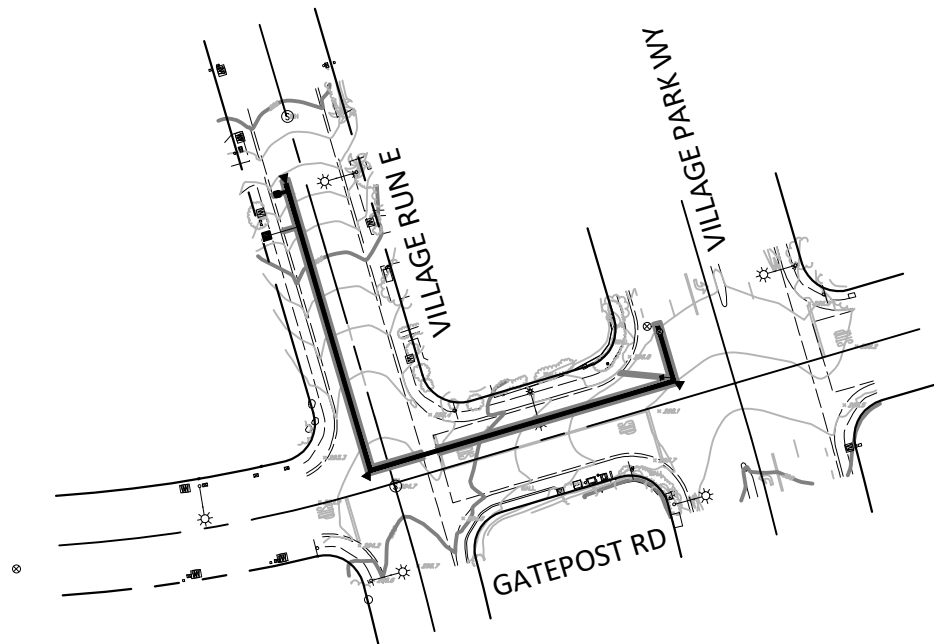
ORIGINAL SCALE IN INCHES

NOTE:

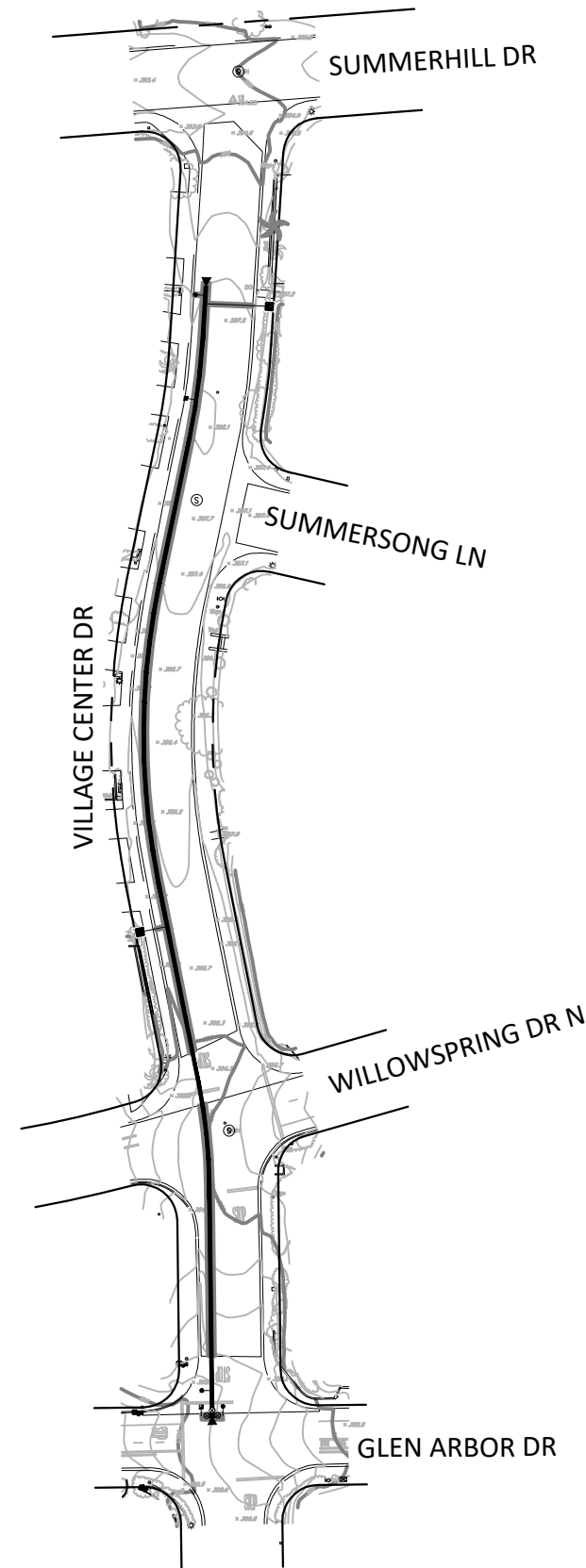
THE CONTRACTOR SHALL FOLLOW THE SEQUENCE OF WORK AS DESCRIBED IN THE CONTRACT SPECIFICATIONS. IF THE CONTRACTOR DEVIATES FROM THE SEQUENCE OF WORK, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADDITIONAL PAVEMENT COSTS TO COMPLY WITH PAVEMENT MORATORIUMS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY TRENCH AREAS WITHIN 2-FEET FROM THE LIP OF GUTTER WHICH REQUIRE ADDITIONAL PAVEMENT RESTORATION PER DETAIL 2 ON SHEET 14 UNLESS OTHERWISE REFLECTED ON THIS SHEET.



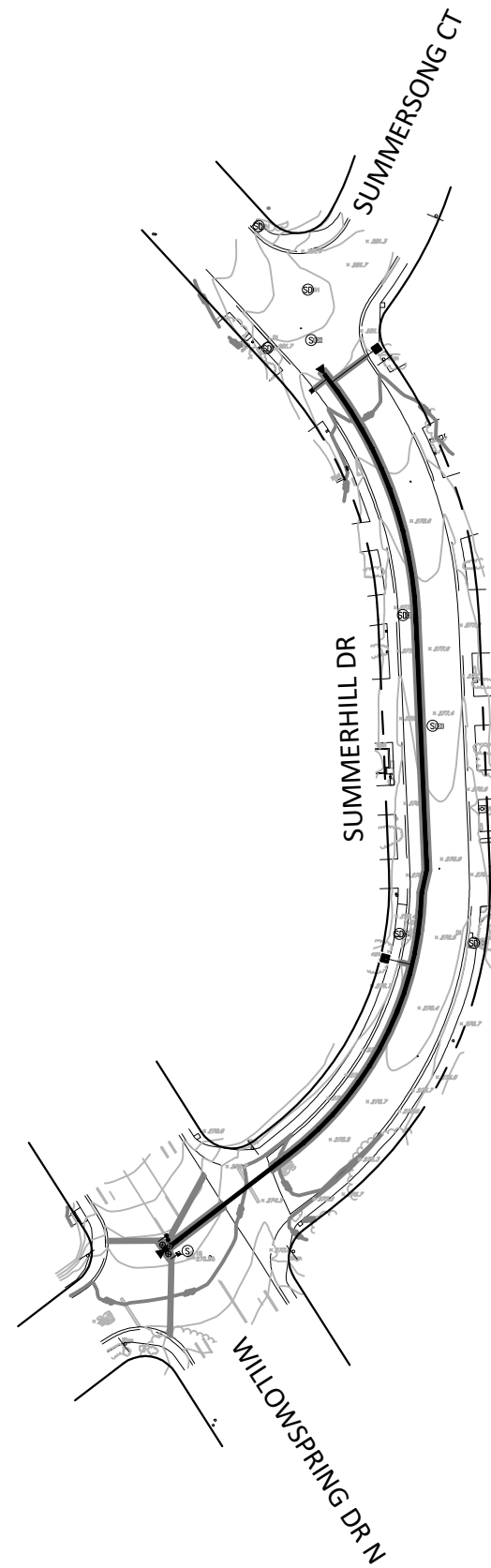
PARK DALE LN
SCALE 1" = 100'-0"
10



GATEPOST RD
SCALE 1" = 100'-0"
11



VILLAGE CENTER DR
SCALE 1" = 100'-0"
12



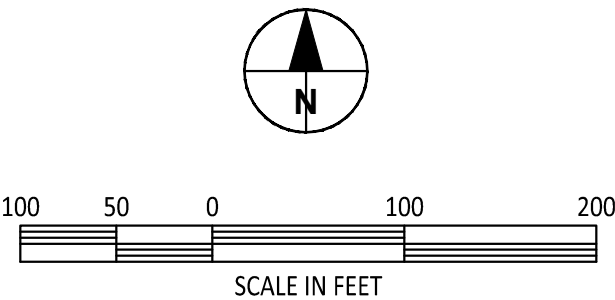
SUMMERHILL DR
SCALE 1" = 100'-0"
13

LEGEND:

- 1.5" GRIND AND OVERLAY LIMITS
PER CITY OF ENCINITAS REQUIREMENTS
SEE DETAIL 2 SHEET 14.
- 2" GRIND AND OVERLAY LIMITS
PER CITY OF ENCINITAS REQUIREMENTS
SEE DETAIL 2 SHEET 14 & THE CITY OF
ENCINITAS TRENCH CUT MORATORIUM
POLICY 2019-95.

CONSTRUCTION SEQUENCE OF WORK	PAVEMENT SCHEDULE NOTES:			
	LOCATION	RESTORATION	WIDTH	APPROX AREA (SF)
PHASE 1	PARK DALE LN	2" COLD MILL & OVERLAY	FULL WIDTH	4,848
		1.5" COLD MILL & OVERLAY	49"	2,945
PHASE 1	GATEPOST RD	1.5" COLD MILL & OVERLAY	49"	1,468
PHASE 2	VILLAGE CENTER DR	1.5" COLD MILL & OVERLAY	49"	2,415
PHASE 2	SUMMERHILL DR	1.5" COLD MILL & OVERLAY	49"	2,403

COLD MILLING ASPHALT CONCRETE PAVEMENT PER SDG-106 TYPE B



DESIGN	RR	DRAWN	RR	CHECK	AR/AH	MARK	DATE	BY	REVISIONS

DESIGN	RR	DRAWN	RR	CHECK	AR/AH	MARK	DATE	BY	REVISIONS
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RECYCLED WATER PIPELINE EXTENSIONS FOR
CALLE BARCELONA, VILLAGE PARK & SUMMERHILL

CITY OF ENCINITAS
PAVEMENT RESTORATION PLAN

SHEET	DRAWING
18 OF 18	C-15

D800019

ORIGINAL SCALE IN INCHES