

IMPROVEMENT NOTES

- THE STRUCTURAL SECTIONS SHOWN ON THESE PLANS ARE BASED ON R-VALUE TESTS OR MINIMUM STRUCTURAL STANDARDS REQUIRED BY THE CITY, WHICHEVER IS GREATER. ACTUAL STRUCTURAL SECTIONS WILL BE DETERMINED AFTER THE "R" VALUE TEST HAS BEEN CONDUCTED BY A QUALIFIED GEOTECHNICAL ENGINEER ON THE PREPARED SUB-BASE MATERIAL. THE "R" VALUE TEST AND RECOMMENDED ENGINEERED STRUCTURAL SECTION MUST BE APPROVED BY THE PUBLIC WORKS DIRECTOR PRIOR TO THE INSTALLATION OF BASE AND PAVING MATERIALS. STRUCTURAL SECTIONS SHALL BE DESIGNED IN ACCORDANCE WITH CHAPTER 600 OF THE CALTRANS HIGHWAY DESIGN MANUAL. STRUCTURAL SECTIONS SHALL BE NOTED ON THE "AS-BUILT" DRAWINGS.

THIS NOTE WILL NOT APPLY TO THOSE AREAS WHERE GRADING IS MINIMAL AND "R" VALUES CAN BE OBTAINED PRIOR TO PLAN APPROVAL. ALL EXISTING STREETS SHALL BE CORE TESTED TO DETERMINE THE EXISTING STRUCTURAL SECTION AND TO DETERMINE THE EXTENT OF OVERLAY OR RECONSTRUCTION NECESSARY TO ACHIEVE THE REQUIRED "R" VALUES. TESTS SHALL BE PERFORMED AT LOCATIONS APPROVED BY THE PUBLIC WORKS DIRECTOR.
- ALL ELECTRICAL, TELEPHONE AND CABLE TELEVISION UTILITIES SHALL BE CONSTRUCTED/CONVERTED TO UNDERGROUND. THE RELOCATION AND/OR UNDERGROUNDING OF EXISTING AND NEW UTILITIES SHALL BE DONE BY THE DEVELOPER OF THE PROPERTY AT NO COST TO THE CITY.
- ALL UNDERGROUND UTILITIES AND LATERALS SHALL BE INSTALLED BEFORE CONSTRUCTION OF THE CURB AND GUTTER OR SURFACING OF STREETS.
- A PERMIT SHALL BE OBTAINED FROM THE CITY OF SAN MARCOS FOR ANY EXCAVATION AND/OR CONSTRUCTION WITHIN THE PROPOSED PROJECT AND PUBLIC RIGHT-OF-WAY.
- CONTRACTOR SHALL NOTIFY THE ASSIGNED CITY OF SAN MARCOS ENGINEERING INSPECTOR 48-HOURS PRIOR TO THE BEGINNING OF ANY GRADING/CONSTRUCTION.
- PRECISE LOCATIONS/ELEVATIONS OF THE EXISTING UNDERGROUND UTILITIES ARE NOT KNOWN. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR MAKING SUFFICIENT EXPLORATIONS TO LOCATE ALL UTILITIES AND SUBSTRUCTURES WHETHER SHOWN ON THE PLANS OR NOT AND TO PROTECT THEM FROM ANY POSSIBLE DAMAGE PRIOR TO AND DURING CONSTRUCTION. THE EXPENSE OF REPAIR OR REPLACEMENT OF SAID UTILITIES AND SUBSTRUCTURES SHALL BE BORNE BY THE CONTRACTOR. CONTRACTOR SHALL NOTIFY THE ENGINEER-OF-WORK OF ANY POTENTIAL CONFLICTS SUFFICIENTLY IN TIME FOR CONSTRUCTION CHANGES TO BE MADE AND APPROVED.
- THE CONTRACTOR SHALL CONTACT THE UNDERGROUND SERVICE ALERT AT 1-800-227-2600 AT LEAST 48 HOURS PRIOR TO EXCAVATING TO VERIFY THE LOCATIONS OF UNDERGROUND FACILITIES OF THE FOLLOWING UTILITIES:

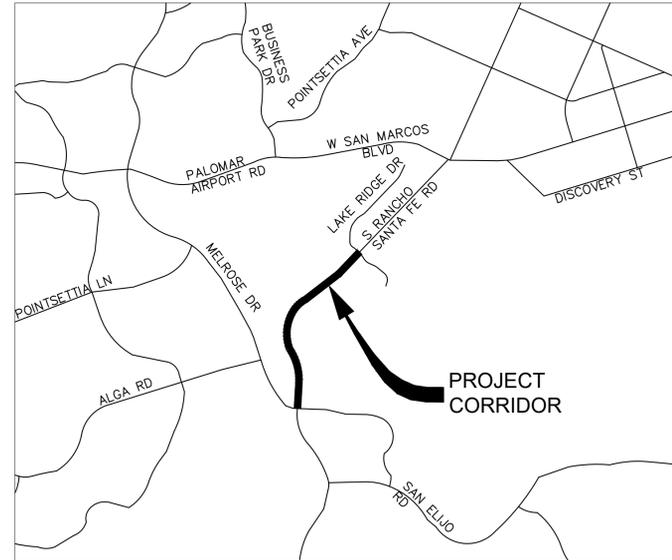
COX COMMUNICATIONS
AT&T
SAN DIEGO GAS & ELECTRIC
VALLECITOS WATER DISTRICT
BUENA SANITATION DISTRICT
VISTA IRRIGATION DISTRICT

A DIG ALERT IDENTIFICATION NUMBER MUST BE ISSUED BEFORE A "PERMIT TO EXCAVATE" IS VALID PER GOVERNMENT CODE SECTION 4216/4217.
- AN AS-BUILT DRAWING SHALL BE SUBMITTED FOR ALL PUBLIC IMPROVEMENTS PRIOR TO ACCEPTANCE OF SAID IMPROVEMENTS.
- THE ENGINEER-OF-WORK SHALL BE NOTIFIED WHEN CONSTRUCTION COMMENCES.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION/GRADING OF SLOPES, PADS, STREET GRADES, AND INFRASTRUCTURE IMPROVEMENTS ACCORDING TO THESE PLANS. THE ENGINEER-OF-WORK SHALL BE CONTACTED WHEN CHANGES OR ADDITIONS ARE MADE DURING THE PROGRESS OF CONSTRUCTION OR IF THERE IS A MISUNDERSTANDING OF THESE PLANS OR FIELD STAKES AND AN INTERPRETATION IS NEEDED.
- CERTIFICATION FROM THE REGISTERED CIVIL ENGINEER STATING THAT THE GRADING HAS BEEN COMPLETED PER THE APPROVED PLAN, AND THE COMPACTION REPORT FROM THE GEOTECHNICAL ENGINEER ON ANY REQUIRED FILL AREAS SHALL BE PROVIDED PRIOR TO BUILDING PERMITS BEING ISSUED.
- CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ANY MONUMENTATION AND/OR BENCHMARKS. ANY MONUMENTATION AND/OR BENCHMARKS WHICH ARE DISTURBED OR DESTROYED BY CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. 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.
- ALL EXISTING FEATURES AND STRUCTURES IN CONFLICT WITH THESE PLANS SHALL BE RELOCATED OR REMOVED AT THE DEVELOPER'S EXPENSE.
- MINIMUM 90% COMPACTION IS REQUIRED IN ALL ON-SITE FILL AREAS WITH A MINIMUM OF 95% COMPACTION SIX INCHES (6") BELOW FINISHED SUBGRADE IN A PUBLIC STREET.
- ALL PUBLIC IMPROVEMENTS SHOWN ON THESE IMPROVEMENT PLANS SHALL BE CONSTRUCTED TO THE SATISFACTION OF THE ENGINEERING DIRECTOR PRIOR TO OCCUPANCY OF BUILDING.
- ALL OPERATIONS CONDUCTED ON THE PREMISES, INCLUDING THE WARMING UP, REPAIR, ARRIVAL, DEPARTURE OR RUNNING OF ANY EQUIPMENT SHALL BE LIMITED TO THE HOURS OF 7:00 A.M. TO 4:30 P.M., MONDAY THROUGH FRIDAY. NO WORK SHALL BE PERFORMED ON THE PREMISES ON SATURDAY, SUNDAY OR HOLIDAYS.
- NO PRIVATE IRRIGATION MAINS OR CONTROL VALVES SHALL BE PLACED WITHIN THE PUBLIC RIGHT-OF-WAY.
- CURB RAMPS SHALL BE INSTALLED AT ALL CURB RETURNS PER TITLE 24, PART 2, STATE CHAPTER 71, SITE DEVELOPMENT REQUIREMENTS FOR HANDICAPPED ACCESSIBILITY, SECTION 7103, CURB RAMPS, OF THE CALIFORNIA BUILDING CODE.
- EXCAVATION, FILLS, AND OBSTRUCTIONS IN PUBLIC PLACES SHALL CONFORM TO THE REQUIREMENTS OF CITY ORDINANCE 2022-1521 SUBJECT TO THE APPROVAL OF THE DIRECTOR.
- THESE PLANS HAVE BEEN EXAMINED BY THE CITY'S ENGINEERING DIVISION TO INSURE COMPLIANCE WITH GENERAL ENGINEERING STANDARDS AND THE CITY'S DESIGN STANDARDS AND SPECIFICATIONS.

CONT. IMPROVEMENT NOTES

- THE ENGINEER-OF-WORK SHALL BEAR THE SOLE RESPONSIBILITY OF THE MATHEMATICAL DATA AND ACCURACY OF DESIGN SHOWN HEREON.
- IF THE IMPROVEMENTS SHOWN ON THIS PLAN HAVE NOT BEEN CONSTRUCTED AND ACCEPTED BY THE CITY WITHIN TWO (2) YEARS OF THE DATE OF PLAN APPROVAL BY THE CITY ENGINEER, THESE PLANS WILL BE SUBJECT TO REVIEW BY THE CITY'S ENGINEERING DIVISION FOR CONFORMANCE WITH CURRENT CITY STANDARDS, POLICIES AND/OR ADDITIONAL REQUIREMENTS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION, RELOCATION OR REPLACEMENT OF ALL STRIPING, SIGNING OR TRAFFIC DETECTOR LOOPS AS REQUIRED BY THE ENGINEERING DIRECTOR.
- STREET SIGNING AND STRIPING ARE THE RESPONSIBILITY OF THE CONTRACTOR AND ARE SUBJECT TO CITY OF SAN MARCOS ENGINEERING DEPARTMENT APPROVAL.
- DUST CONTROL MEASURES, SUCH AS THE PERIODIC WETTING DOWN OF THE BARE AND EXPOSED AREAS, SHALL BE USED AT ALL TIMES DURING CONSTRUCTION TO THE SATISFACTION OF THE ENGINEERING AND/OR BUILDING INSPECTORS.
- THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING THE ADJOINING PUBLIC STREETS AND RIGHT-OF-WAYS IN A CLEAN AND DUST FREE CONDITION WITHIN THE LIMITATION OF THE CITY MUNICIPAL CODE SECTION 14.15.030 "ILLEGAL DISCHARGES PROHIBITED." THIS SECTION OF THE CODE PROHIBITS THE "WASHING DOWN" OF A STREET INTO A PUBLIC STORM DRAIN. THE CONTINUOUS USE OF STREET SWEEPING MACHINES MAY BE ADVISABLE.
- THE ENGINEER-OF-WORK IS NOT RESPONSIBLE FOR GRADING OPERATIONS OR GRADING DONE. THE CONTRACTOR IS SOLELY RESPONSIBLE.
- A PERMIT MUST BE OBTAINED FROM THE SAN MARCOS FIRE DEPARTMENT PRIOR TO ANY BLASTING. CITY PERMITS ARE REQUIRED PRIOR TO ANY CONSTRUCTION, EXCAVATION, STORAGE OF MATERIALS, OR ANY OTHER ENCROACHMENTS.
- CONTRACTOR SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING THE SAFETY OF ALL PERSONS AND PROPERTY. THIS REQUIREMENT SHALL APPLY CONTINUALLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. THE CONTRACTOR SHALL DEFEND, INDEMNIFY, AND HOLD THE OWNER, THE ENGINEER, AND THE CITY HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER, ENGINEER, OR CITY.
- EROSION CONTROL, INCLUDING RIP-RAP, INTERIM SLOPE PROTECTION, SANDBAGS OR OTHER EROSION CONTROL MEASURES SHALL BE PROVIDED AS NECESSARY TO CONTROL SEDIMENT AND SILT FROM THE PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL EROSION CONTROL FACILITIES THROUGHOUT THE DEVELOPMENT OF THE PROJECT.
- A TRAFFIC CONTROL PLAN, INCLUDING THE LAYOUT OF CONSTRUCTION WARNING AND DETOUR SIGNS, SHALL BE SUBMITTED TO THE ENGINEERING DEPARTMENT FOR APPROVAL A MINIMUM OF 14 CALENDAR DAYS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. TRAFFIC CONTROL SHALL BE IMPLEMENTED BEFORE ANY WORK IS STARTED.
- IN NO CASE SHALL THE CITY BE RESPONSIBLE FOR CONSTRUCTION COSTS FOR THESE IMPROVEMENTS, INCLUDING THE UNDERGROUNDING OF EXISTING AND NEW DRY UTILITIES, OR ANY NECESSARY REPAIRS.
- THE PAVEMENT SECTION LIMITS SHOWN IN THE PAVEMENT REHABILITATION PLANS ON SHEETS 14-17 ARE APPROXIMATE. CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING EXISTING PAVEMENT SECTIONS AND SHALL NOTIFY THE ASSIGNED CITY OF SAN MARCOS ENGINEERING INSPECTOR IF ADDITIONAL PAVEMENT REMOVAL IS NECESSARY.

CITY OF SAN MARCOS
IMPROVEMENT PLANS FOR
RANCHO SANTA FE ROAD PAVEMENT RESTORATION PROJECT
BETWEEN MELROSE DRIVE AND LAKE RIDGE DRIVE
CIP #ST014



VICINITY MAP
N.T.S.

LEGEND:

- R/W (BASED ON GIS DATA)
- RECORD R/W
- EXISTING GAS
- EXISTING WATER
- EXISTING SEWER
- EXISTING STORM DRAIN
- SAWCUT
- NEW CONCRETE (INCLUDES SIDEWALKS AND OTHER CONCRETE SURFACES)
- CONCRETE PAVERS
- MORTARED COBBLE PER DETAIL E ON SHEET 13
- ASPHALT CONCRETE PER DETAIL B ON SHEET 13
- ASPHALT CONCRETE PER DETAIL A ON SHEET 13
- ASPHALT CONCRETE PER DETAIL C ON SHEET 13

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 THIS 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 CITY OF SAN MARCOS IS CONFINED TO A REVIEW ONLY AND DOES NOT RELIEVE ME AS ENGINEER OF WORK OF MY RESPONSIBILITIES FOR THE PROJECT DESIGN.



DATE: _____
MARK ARAUJO RCE 85614 EXP. 9/30/24

SITE ADDRESS AND ASSESSOR PARCEL NUMBERS

RANCHO SANTA FE ROAD BETWEEN MELROSE DRIVE AND LAKE RIDGE DRIVE.

ASSESSOR PARCEL NO(S): N/A

OWNER

CITY OF SAN MARCOS
1 CIVIC CENTER DRIVE
SAN MARCOS, CA

WORK TO BE DONE

THE IMPROVEMENTS CONSISTS OF THE FOLLOWING WORK TO BE DONE IN ACCORDANCE WITH THE LATEST EDITION OF THE FOLLOWING DOCUMENTS:

- SAN DIEGO AREA REGIONAL STANDARD DRAWINGS
- STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION ("GREEN BOOK")
- CITY OF SAN MARCOS SUPPLEMENT TO THE GREENBOOK ("STANDARD SPECIAL PROVISIONS")
- CITY OF SAN MARCOS MUNICIPAL CODE
- STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION (CALTRANS) STANDARDS PLANS
- STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION (CALTRANS) STANDARD SPECIFICATIONS
- STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION SUPPLEMENTAL TO MUTCD
- VALLECITOS WATER DISTRICT STANDARD DRAWINGS AND SPECIFICATIONS
- CITY OF SAN MARCOS BMP DESIGN MANUAL
- PROJECT SPECIAL PROVISIONS

SHEET INDEX

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SOURCE OF TOPO

FIELD SURVEY CONDUCTED BY SAN DIEGUITO ENGINEERING, INC. ON OCTOBER 4, 2023.

BASIS OF BEARING

BASIS OF BEARING PER THE GRID BEARING BETWEEN CITY OF SAN MARCOS CONTROL POINTS "CP-032" AND "CP-038," AS SHOWN ON RECORD SURVEY NO. 23731.

REFERENCE DRAWINGS:

- SM DWG. NO. IP 4355
- SM DWG. NO. 2491-7
- SM DWG. NO. 2491-8
- SM DWG. NO. 2491-9
- SM DWG. NO. 2491-10

ABBREVIATIONS

ABBREVIATION	DESCRIPTION	ABBREVIATION	DESCRIPTION
ABN	ABANDON	ID	IDENTIFICATION
AC	ASPHALT CONCRETE	IP	IRON PIPE
ACP	ASPHALT CONCRETE PIPE	IRR	IRRIGATION
AV	AIR RELEASE VALVE	MAX	MAXIMUM
BC	BEGIN CURVE	MC	MORTAR COATED
BO	BLOW OFF	MIN	MINIMUM
CATV	COMMUNITY ANTENNA TELEVISION	N	NORTH
CI	CURB INLET	OHE	OVERHEAD
CL	CEMENT LINED	PG	PERFORMANCE GRADED
C	CENTERLINE	PM	POLYMER MODIFIED
CLSM	CONTROLLED LOW STRENGTH MATERIAL CONCRETE MASONRY UNIT	PPBP	PEDESTRIAN PUSH BUTTON POLE
CMU	UNIT	PVC	POLYVINYL CHLORIDE
CO	CLEAN OUT	RCP	REINFORCED CONCRETE PIPE
COMM	COMMUNICATION	RD	ROAD
CONC	CONCRETE	R/W	RIGHT-OF-WAY
CPB	COMMUNICATION PULLBOX	S	SOUTH
CPD	COMMUNICATION PEDESTAL	SC	STEEL ENCASED
CTV	CONNECTED TELEVISION	SD	STORM DRAIN
C&G	CURB AND GUTTER	SDMH	STORM DRAIN MANHOLE
DIP	DUCTILE IRON PIPE DRIVE	SDR	STANDARD DIMENSION RATIO
DR	DRIVE	SDRSD	SAN DIEGO REGIONAL STANDARD DRAWINGS
E	EAST	SDWK	SIDEWALK
EC	END CURVE	SMH	MANHOLE
ECAB	ELECTRICAL CABINET	ST	STREET
ELEC	ELECTRICAL	SWR	SEWER
EM	ELECTRICAL METER	TS	TRAFFIC SIGNAL
EPB	EXISTING ELECTRICAL PULLBOX	TS CAB	TRAFFIC SIGNAL CABINET
EX	EXISTING	TSPB	TRAFFIC SIGNAL PULLBOX
FH	FIRE HYDRANT	TYP	TYPICAL
FND	FOUNDATION	VCP	VITRIFIED CLAY PIPE
GV	GAS VALVE	W	WEST
HP	HINGE POINT / HIGH POINT	WM	WATER MAIN
ICV	IRRIGATION CONTROL VALVE	WTR	WATER
		WV	WATER VALVE
		XFMR	TRANSFORMER

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Phone: 619.234.9411 / www.kimley-horn.com



VALLECITOS WATER DISTRICT
APPROVAL OF THESE IMPROVEMENT PLANS DOES NOT COMMIT DISTRICT TO SUPPLYING WASTEWATER SERVICES TO THIS PROJECT OR GUARANTEE THAT WATER WILL BE AVAILABLE
Date: _____
JASON P. HUBBARD, P.E.
DISTRICT ENGINEER
60317 exp.: 6/30/2024
APPROVAL VALID FOR EIGHTEEN (18) MONTHS FROM DATE SIGNED

VALLECITOS WATER DISTRICT
WVD AS-BUILT
By: _____ Date: _____
NAME (ENGINEER OF WORK)
R.C.E. NO. _____ exp.: 6/30/20XX

CITY APPROVED CHANGES					
Δ NO.	DESCRIPTION	AFFECTED SHEETS	EOW APP'D	APP'D BY	DATE

ENGINEER OF WORK By: MARK ARAUJO R.C.E.: 85614 exp.: 9/30/24 Date: _____	ENGINEER OF WORK AS-BUILT CERTIFICATE AS THE ENGINEER OF WORK, I HEREBY CERTIFY THAT, TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE IMPROVEMENTS SHOWN ON THIS SET OF CONSTRUCTION PLANS, SHEET 1 THROUGH SHEET 27, HAVE BEEN INSTALLED AND CONSTRUCTED IN SUBSTANTIAL CONFORMANCE WITH THESE AS-BUILT PLANS, INCLUDING ALL APPROPRIATE STANDARDS AND ANY DISCRETIONARY APPROVAL(S) FOR THE PROJECT.
RECOMMENDED FOR APPROVAL By: EMAD ELIAS, ASSOCIATE CIVIL ENGINEER R.C.E.: 85528 exp.: 9/30/2024 Date: _____	DATE: _____ MARK ARAUJO RCE 85614 EXP. 9/30/24
APPROVED FOR CONSTRUCTION	BENCH MARK Description: FOUND 2.5" CITY OF SAN MARCOS BRASS DISC STAMPED "CP-032" Location: _____ Record From: _____ Record of Survey 23731 Elev.: 604.89 [602.82] Datum: NAVD88 [NGVD29]

INSPECTED AND RECOMMENDED FOR ACCEPTANCE Engineering Inspector _____ Date: _____	APPROVED AS RECORD PLAN ISAAC ETCHAMENDY 81294 9/30/2023 DATE: _____
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TRAFFIC SIGNING NOTES:

- SIGNING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE SUBJECT TO CITY OF SAN MARCOS, DEVELOPMENT SERVICES APPROVAL. ALL SIGNS SHALL CONFORM TO THE LATEST EDITION OF THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CAMUTCD).
- SIGN POSTS:
 - SHALL BE, TUBULAR BREAK-AWAY POSTS (TELSPAR OR UNISTRUT), 1-3/4" GALVANIZED STEEL OR EQUAL;
 - SHALL HAVE SEVEN FEET (7") VERTICAL CLEARANCE ABOVE FINISHED GRADE;
 - SHALL NOT HAVE MORE THAN A MAXIMUM OF TWO SIGNS (WITH DIFFERENT MEANINGS) ON EACH;
 - LOCATED IN THE MEDIAN, SHALL BE SET IN AN EIGHT-INCH DIAMETER (8") BY TWENTY-FOUR INCH (24") (8" X 24") DEEP PVC SLEEVE AND BACKFILLED WITH NATIVE SOIL, DECOMPOSED GRANITE, OR SAND TO THE TOP OF THE SLEEVE;
 - LOCATED IN THE SIDEWALK, A FOUR-INCH DIAMETER CORE (4") SHALL BE DRILLED. BACKFILL SHALL BE FOUR INCHES (4") OF CONCRETE ABOVE TWENTY INCHES (20") OF NATIVE SOIL, DECOMPOSED GRANITE OR SAND;
 - SHALL BE NEW;
 - SHALL BE REJECTED IF DAMAGED, BENT OR SPLINTERED;
 - LOCATIONS SHALL BE MARKED BY CONTRACTOR AND APPROVED BY THE CITY ENGINEER OR THEIR ASSIGNEE PRIOR TO FINAL PLACEMENT;
 - SHALL HAVE A MINIMUM OF FORTY-EIGHT INCHES (48") HORIZONTAL DISTANCE BETWEEN POST AND BACK EDGE OF SIDEWALK;
 - SHALL BE 2-7/8" ALUMINUM POSTS FOR STREET NAME SIGNS AND STOP (R1-1) SIGNS;
 - SHALL BE WRAPPED WITH 10-MIL POLYETHYLENE WRAPPING TAPE OR APPROVED EQUAL AROUND BASE OF BREAKAWAY POST BELOW SUBGRADE;
 - SHALL COMPLY WITH INSTALLATION DETAILS FOR BREAK-AWAY SIGN POST PER SAN DIEGO REGIONAL STANDARD DRAWING M-45;
 - WOOD POSTS USED FOR CLASS II OR III BARRICADES SHALL BE PAINTED WHITE.
- SIGNS:
 - SHALL BE ALUMINUM AND MEET CALTRANS STANDARD SPECIFICATIONS SECTION 82-2.02C "RETROREFLECTIVE SHEETING";
 - SHALL HAVE A MINIMUM OF TWELVE-INCHES (12") HORIZONTAL CLEARANCE BEHIND THE CURB FACE;
 - SIGNS THIRTY-SIX INCHES (36") WIDE SHALL BE STRAPPED ON THE BACK OF THE SIGN WITH SIGN STRAP HARDWARE;
 - SIGNS LARGER THAN THIRTY SIX-INCHES (36") WIDE SHALL BE SET ON TWO POSTS;
 - IF MOUNTED ON:
 - NEW OR EXISTING STREET LIGHT STANDARDS SHALL USE A 3/4" "BAND II" STEEL STRAPPING WITH FASTENERS;
 - ALUMINUM POSTS SHALL USE 2-7/8" POST CAPS FOR SINGLE SIGNS AND 2-7/8" CROSS SADDLE FOR TWO SIGNS;
 - MOUNTING ON POWER/UTILITY POLES IS PROHIBITED.
 - SIGN SIZES SHALL COMPLY WITH THE LATEST EDITION OF THE CAMUTCD, PART 2-SIGNS.
- STREET NAME SIGNS SHALL HAVE 9-INCH EXTRUDED ALUMINUM BLADES, HIGH INTENSITY SHEETING WITH 3M BLUE ELECTROCU FILM, 6-INCH HIGHWAY GOTHIC LETTERING WITH FIRST LETTER IN CAPITALS AND THE REST LOWER CASE, BLOCK ADDRESS, AND ROAD DESIGNATIONS.
- WHERE AN R4-7 SIGN AND OM1-3 OBJECT MARKER SIGN IS TO BE INSTALLED IN A MEDIAN WIDTH LESS THAN 42-INCHES, THE R4-7 SIGN SHALL BE MOUNTED 7-FEET VERTICALLY FROM THE EXISTING GROUND SURFACE. THE R4-7 SIGN SHALL BE 18" X 24" AND THE OM1-3 OBJECT MARKER SHALL BE 18" X 18".
- WHERE AN R6-1 SIGN ("ONE WAY") SIGN IS TO BE INSTALLED IN A MEDIAN ISLAND, THE R6-1 SIGN SHALL BE MOUNTED 18-INCHES VERTICALLY FROM THE EXISTING GROUND. IF A LANDSCAPED PLANTER IS PRESENT AND VEGETATION INTERFERES WITH SIGN LOCATION, THE R6-1 SIGN SHALL BE MOUNTED FOUR-FEET VERTICALLY FROM THE EXISTING GROUND.
- THE CONTRACTOR SHALL NOTIFY THE CITY OF SAN MARCOS, DEVELOPMENT SERVICES UPON COMPLETION OF SIGN INSTALLATIONS.
- EXISTING SIGNS SHALL BE SALVAGED AND DELIVERED TO THE PUBLIC WORKS DEPARTMENT LOCATED AT 201 MATA WAY.
- STOP SIGN INSTALLATION SHALL INCLUDE THE SIGN, POST, LIMIT LINE, STOP LEGEND AND A MINIMUM OF 50-FEET OF DETAIL Z2 (DOUBLE YELLOW) CENTERLINE STRIPING UNLESS ADJACENT TO MEDIAN. PLACEMENT OF STOP SIGN SHALL BE IN ACCORDANCE WITH THE CAMUTCD.
- NO OUTLET SIGNS SHALL BE POSTED WHERE THERE IS NO LEGAL OUTLET WHEN THE STREET EXCEEDS 800-FEET OR WHEN THE TERMINUS OF THE ROADWAY IS NOT VISIBLE FROM THE INTERSECTION.

- ALL SCHOOL AREA SIGNS SHALL BE FLOUORESCENT YELLOW GREEN (FYG) BACKGROUND COLORED IN ACCORDANCE WITH THE LATEST EDITION OF THE CAMUTCD.
- IF IT IS NECESSARY TO PROHIBIT CERTAIN PEDESTRIAN MOVEMENTS AT A TRAFFIC SIGNAL-CONTROLLED INTERSECTION CONTRACTOR SHALL INSTALL A TYPE I PEDESTRIAN BARRICADE PER CALTRANS STANDARD PLAN ES-70; IF SITE CONSTRAINTS PREVENT INSTALLATION OF PEDESTRIAN BARRICADE, CONTRACTOR SHALL INSTALL (R9-3) "NO PEDESTRIAN CROSSING" SIGNS.

TRAFFIC SIGNAL GENERAL NOTES:

- THE LOCATION OF ALL EXISTING UNDERGROUND UTILITIES IS APPROXIMATE. THE CONTRACTOR SHALL DETERMINE THE LOCATION AND DEPTH OF ALL UTILITIES INCLUDING THOSE NOT SHOWN ON THESE PLANS VERIFICATION OF THE LOCATION AND DEPTH OF UNDERGROUND UTILITIES AND DIGGING FOR FOUNDATIONS SHALL BE DONE BY HAND EXCAVATION METHODS UNTIL CLEAR OF ALL UNDERGROUND FACILITIES. ALL UNDERGROUND UTILITIES SHALL BE PROTECTED DURING CONSTRUCTION AND EXPENSE OF REPAIR OR REPLACEMENT OF UTILITIES DAMAGED DURING CONSTRUCTION SHALL BE BORNE BY THE CONTRACTOR.
- ALL PROPERTY CORNER MONUMENTS SHALL BE UNDISTURBED BY CONSTRUCTION OR IMPROVEMENTS. DISTURBED MONUMENTS SHALL BE RESET OR REPLACED BY A LICENSED LAND SURVEYOR OR REGISTERED CIVIL ENGINEER AUTHORIZED TO SET MONUMENTS.
- THE CONTRACTOR SHALL PROVIDE ALL NECESSARY TRAFFIC CONTROL DEVICES DURING TRAFFIC SIGNAL INSTALLATION. A TRAFFIC CONTROL PLAN, INCLUDING THE LAYOUT OF CONSTRUCTION WARNING AND DETOUR SIGNS, WORKING HOURS, AND CONSTRUCTION SCHEDULE SHALL BE SUBMITTED TO THE ENGINEERING DEPARTMENT FOR APPROVAL A MINIMUM OF (14) CALENDAR DAYS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. TRAFFIC CONTROL SHALL BE IMPLEMENTED BEFORE ANY WORK IS STARTED.
- ALL TRAFFIC SIGNAL CONDUIT AND FITTINGS (AFTER THE ELECTRIC METER PEDESTAL) SHALL BE MINIMUM THREE INCH (3") SCHEDULE 80 PVC. STREET CROSSINGS SHALL BE FOUR INCHES (4") MINIMUM, ENCASED IN A MINIMUM OF TWELVE INCHES (12") OF 560-C-3250 PSI CONCRETE (8" MINIMUM CONCRETE COVER TO TOP OF PIPE). ALL CONDUITS SHALL BE BURIED WITH A MINIMUM OF THIRTY INCHES (30") OF TOTAL COVER FROM THE TOP OF PIPE TO FINISHED GRADE. ALL CONDUITS SHALL BE SEALED UPON COMPLETION. STREET CROSSINGS BY BORE METHOD SHALL BE APPROVED BY THE CITY ENGINEER. ALL DIRECTIONAL BORED RACEWAYS SHALL BE HDPE TYPICAL.
- ALL SIGNAL CONDUCTORS, COMMUNICATION CABLES AND OTHER ASSOCIATED WIRING SHALL BE LABELED (WITH THE BROTHER P-TOUCH WATERPROOF LABELS OR CITY APPROVED EQUAL) IN THE CABINET WITH ASSOCIATED ASSIGNMENTS (LANE, PHASES, CHANNEL NUMBERS AND COMMUNICATION FUNCTIONS).
- A NEW SLURRY COAT OR OVERLAY SHALL BE APPLIED A MINIMUM OF 20 FEET EITHER SIDE OF PATCH WORK RESULTING FROM EXCAVATION WORK (TRENCHING AND POTHOLING) ON NEW STREETS (SLURRY COATED WITHIN LAST THREE YEARS) OR STREET WITH CLEAN AND UNIFORM PAVEMENT. THE DETERMINATION OF EXISTING PAVEMENT CONDITION SHALL BE MADE BY THE ENGINEERING DIVISION INSPECTOR.
- EXISTING TRAFFIC SIGNAL FACILITIES, SIGNALS AND COMMUNICATIONS SHALL REMAIN OPERATIONAL UNTIL NEW FACILITIES ARE CUTOVER OR CONNECTED OR AS LONG AS APPROVED BY THE PROJECT INSPECTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLATION, MAINTENANCE AND REMOVAL OF ANY TEMPORARY WIRING NECESSARY TO MAINTAIN SIGNAL OPERATIONAL DURING CONSTRUCTION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION, RELOCATION OR REPLACEMENT OF ALL STRIPING AND SIGNING AS REQUIRED BY THE CITY TRAFFIC ENGINEER. ALL SIGNS AND TRAFFIC STRIPING SHALL CONFORM TO THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CAMUTCD) AND CITY OF SAN MARCOS SIGNING AND STRIPING STANDARDS.
- AN "AS-BUILT" DRAWING SHALL BE SUBMITTED FOR ALL PUBLIC IMPROVEMENTS PRIOR TO THE ACCEPTANCE OF SAID IMPROVEMENTS.
- THESE PLANS HAVE BEEN EXAMINED BY THE CITY OF SAN MARCOS ENGINEERING DIVISION TO ENSURE COMPLIANCE WITH GENERAL ENGINEERING STANDARDS AND THE CITY'S DESIGN STANDARDS AND SPECIFICATIONS. THE ENGINEER-OF-WORK SHALL BEAR THE SOLE RESPONSIBILITY OF THE MATHEMATICAL DATA AND ACCURACY OF DESIGN SHOWN HEREON.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION, RELOCATION OR REPLACEMENT OF ALL TRAFFIC LOOP DETECTORS AS REQUIRED BY THE TRAFFIC ENGINEER WITHIN 48 HOURS OF DIRECTION, OR INSTALL TEMPORARY VIDEO DETECTION UNTIL LOOP DETECTOR WORK IS COMPLETED. EXISTING TRAFFIC SIGNAL DETECTOR LOOPS DAMAGED DURING CONSTRUCTION SHALL BE REPLACED WITHIN 48 HOURS OF DATE AND TIME DAMAGED OR TEMPORARY VIDEO DETECTION SHALL BE INSTALLED UNTIL THE DAMAGED LOOPS ARE REPLACED. THE CONTRACTOR SHALL FURNISH AND INSTALL TEMPORARY VIDEO DETECTION CAMERAS, DETECTION CARDS, AND OTHER EQUIPMENT AS NECESSARY FOR FULL OPERATION. APPROVAL IS REQUIRED BY THE CITY'S TRAFFIC SIGNAL SUPERVISOR PRIOR TO OPERATION. THE CONTRACTOR SHALL REPAIR ASPHALT PAVING AND APPLY SLURRY SEAL COAT AFTER INSTALLATION OF LOOPS.
- WHEN PERFORMING A TRAFFIC SIGNAL MODIFICATION WORK, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING CONTINUED OPERATION OF THE TRAFFIC SIGNAL THROUGHOUT THE PROJECT. IF ANY DAMAGES OCCUR, THE CONTRACTOR SHALL RESPOND WITHIN 3 HOURS AND RESTORE THE OPERATION WITHIN 48 HOURS.

CORNER MONUMENT NOTE:

CONTRACTOR SHALL PROTECT-IN-PLACE ALL SURVEY MONUMENTS DURING THE COURSE OF CONSTRUCTION. IF ANY MONUMENT CANNOT BE PRESERVED IN PLACE OR REQUIRES ADJUSTMENT, IT MUST BE TIED OUT AND REPLACED AFTER CONSTRUCTION AT THE IDENTICAL LOCATION. CONTRACTOR'S LAND SURVEYOR SHALL INDEPENDENTLY VERIFY/DETERMINE ANY AND ALL SURVEY MONUMENTS THAT MAY OR WILL BE DISTURBED OR DESTROYED BY CONTRACTOR'S ACTIVITIES. IN ACCORDANCE WITH BUSINESS AND PROFESSIONS CODE SECTION 8771, CONTRACTOR'S LAND SURVEYOR SHALL FILE WITH THE OFFICE OF THE COUNTY SURVEYOR CORNER RECORDS AND/OR RECORD(S) OF SURVEY PRIOR TO SUCH DISTURBANCE OR DESTRUCTION AND UPON RE-ESTABLISHMENT OF SURVEY MONUMENTS SO DISTURBED OR DESTROYED.

BENCHMARK MONUMENT NOTE:

CONTRACTOR SHALL PROTECT-IN-PLACE ALL BENCHMARK MONUMENTS DURING THE COURSE OF CONSTRUCTION. IF ANY BENCHMARK CANNOT BE PRESERVED IN PLACE OR REQUIRES ADJUSTMENT, IT MUST BE TIED OUT AND REPLACED AFTER CONSTRUCTION AT THE IDENTICAL LOCATION. CONTRACTOR'S LAND SURVEYOR SHALL INDEPENDENTLY VERIFY/DETERMINE ANY AND ALL BENCHMARK MONUMENTS THAT MAY OR WILL BE DISTURBED OR DESTROYED BY CONTRACTOR'S ACTIVITIES. IN ACCORDANCE WITH BUSINESS AND PROFESSIONS CODE SECTION 8771, CONTRACTOR'S LAND SURVEYOR SHALL FILE WITH THE OFFICE OF THE COUNTY SURVEYOR VERTICAL CORNER RECORDS AND/OR RECORD(S) OF SURVEY PRIOR TO SUCH DISTURBANCE OR DESTRUCTION AND UPON RE-ESTABLISHMENT OF SURVEY MONUMENTS SO DISTURBED OR DESTROYED.

RIGHT-OF-WAY SURVEY NOTE:

RIGHT-OF-WAY INFORMATION SHOWN IS BASED ON THE COMBINATION OF GEOGRAPHIC INFORMATION SYSTEM (GIS) AND RECORD INFORMATION. THE FULL LIMITS OF RIGHT-OF-WAY AND ROAD CENTERLINE HAVE NOT BEEN COMPLETELY TIED OR RESOLVED, AND ARE FOR REFERENCE ONLY.

UTILITY NOTE:

THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS ARE BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES, AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE LOCAL UTILITY COMPANIES AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS ON THESE PLANS. THESE DRAWINGS DO NOT CLAIM TO SHOW ALL EXISTING UTILITIES.

Drawing name: K:\SDM\Drawings\195924139 - Rancho Santa Fe Road\Design\Plan Sheets\24139-01.dwg, Date: Apr 18, 2024, 11:27am, by: Henry Reich

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Phone: 619.234.9411 / www.kimley-horn.com



VALLECITOS WATER DISTRICT
APPROVAL OF THESE IMPROVEMENT PLANS DOES NOT COMMIT DISTRICT TO SUPPLYING WASTEWATER SERVICES TO THIS PROJECT OR GUARANTEE THAT WATER WILL BE AVAILABLE
Date: _____
JASON P. HUBBARD, P.E.
DISTRICT ENGINEER
No. 60317 exp.: 6/30/2024
APPROVAL VALID FOR EIGHTEEN (18) MONTHS FROM DATE SIGNED

VALLECITOS WATER DISTRICT
PRESSURE ZONE: 815 HGL
By: _____ Date: _____
NAME (ENGINEER OF WORK)
R.C.E. NO. _____ exp.: 6/30/20XX

CITY APPROVED CHANGES					
Δ NO.	DESCRIPTION	AFFECTED SHEETS	EOW APP'D	APP'D BY	DATE

RECOMMENDED FOR APPROVAL
By: EMAD ELIAS, ASSOCIATE CIVIL ENGINEER
R.C.E.: 85528 exp.: 9/30/2024
Date: _____

ENGINEER OF WORK
By: MARK ARAUJO
R.C.E.: 85614 exp.: 9/30/24
Date: _____

INSPECTED AND RECOMMENDED FOR ACCEPTANCE
Engineering Inspector _____ Date _____

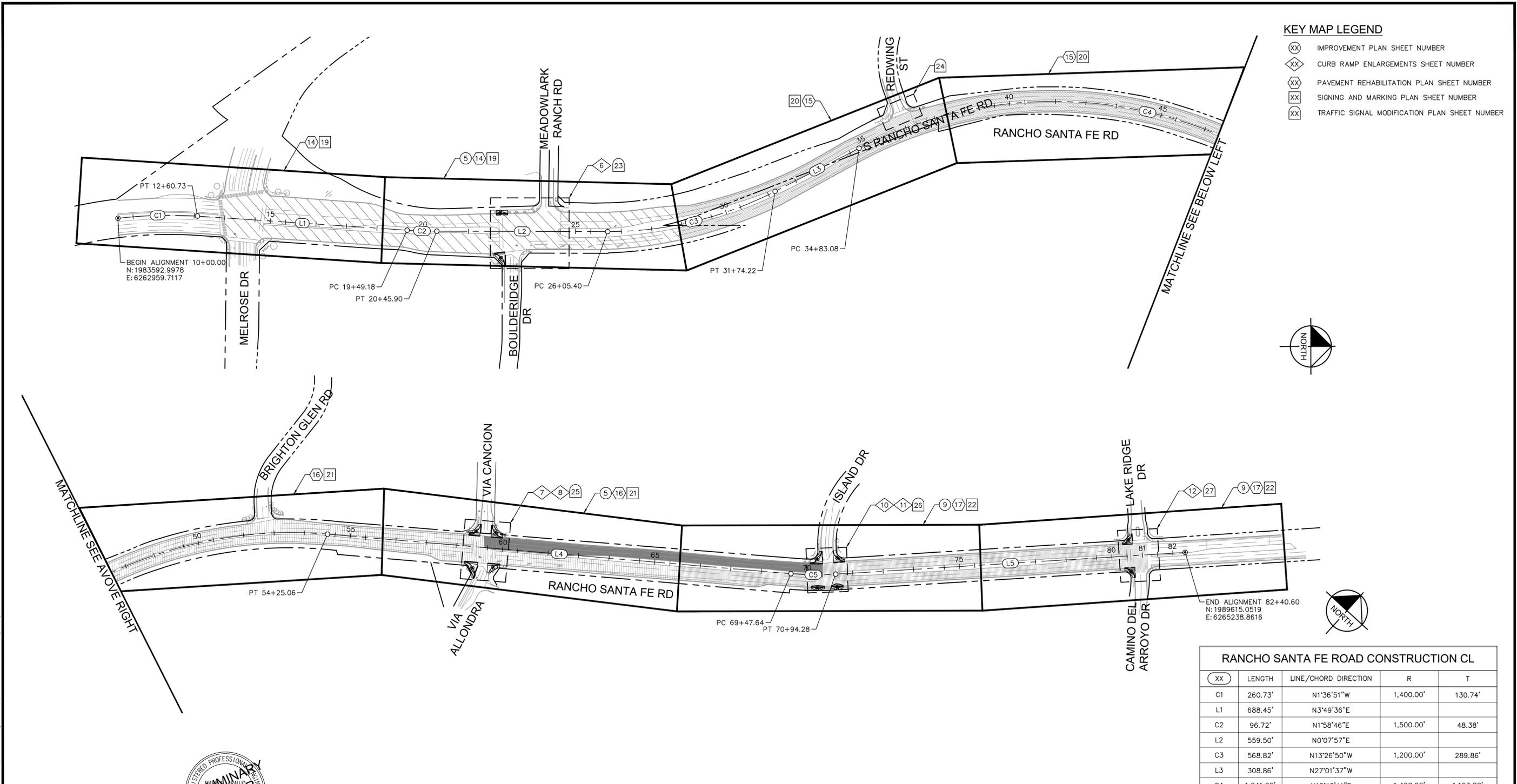
ENGINEER OF WORK AS-BUILT CERTIFICATE
FIRST LAST NAME RCE 12345 EXP. 6/30/XX
DATE: _____

APPROVED FOR CONSTRUCTION
By: Isaac Etchamendy, City Engineer
R.C.E.: 81294 exp.: 9/30/2025
Date: _____

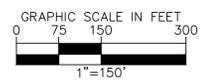
BENCH MARK
Description: FOUND 2.5" CITY OF SAN MARCOS BRASS
DISC STAMPED "CP-032"
Location: _____
Record From: Record of Survey 23731
Elev.: 604.89 [602.82] Datum: NAVD88 [NGVD29]

CITY OF SAN MARCOS
GENERAL NOTES FOR:
RANCHO SANTA FE ROAD
PAVEMENT IMPROVEMENTS
City Drawing No. **IP23-00018**
Sheet 3 of 27
VWD # 284254

- KEY MAP LEGEND**
- (XX) IMPROVEMENT PLAN SHEET NUMBER
 - (XX) CURB RAMP ENLARGEMENTS SHEET NUMBER
 - (XX) PAVEMENT REHABILITATION PLAN SHEET NUMBER
 - (XX) SIGNING AND MARKING PLAN SHEET NUMBER
 - (XX) TRAFFIC SIGNAL MODIFICATION PLAN SHEET NUMBER



XX	LENGTH	LINE/CHORD DIRECTION	R	T
C1	260.73'	N1°36'51"W	1,400.00'	130.74'
L1	688.45'	N3°49'36"E		
C2	96.72'	N1°58'46"E	1,500.00'	48.38'
L2	559.50'	N0°07'57"E		
C3	568.82'	N13°26'50"W	1,200.00'	289.86'
L3	308.86'	N27°01'37"W		
C4	1,941.98'	N12°42'41"E	1,400.00'	1,163.88'
L4	1,522.59'	N52°26'59"E		
C5	146.63'	N48°14'56"E	1,000.00'	73.45'
L5	1,146.33'	N44°02'53"E		



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VALLECITOS WATER DISTRICT
 APPROVAL OF THESE IMPROVEMENT PLANS DOES NOT COMMIT DISTRICT TO SUPPLYING WASTEWATER SERVICES TO THIS PROJECT OR GUARANTEE THAT WATER WILL BE AVAILABLE
 Date: _____
 JASON P. HUBBARD, P.E.
 DISTRICT ENGINEER
 R.C.E. NO. 60317 exp.: 6/30/2024
 APPROVAL VALID FOR EIGHTEEN (18) MONTHS FROM DATE SIGNED

CITY APPROVED CHANGES					
Δ NO.	DESCRIPTION	AFFECTED SHEETS	EOW APP'D	APP'D BY	DATE

RECOMMENDED FOR APPROVAL
 By: EMAD ELIAS, ASSOCIATE CIVIL ENGINEER
 R.C.E.: 85528 exp.: 9/30/2024
 Date: _____

ENGINEER OF WORK
 By: MARK ARAUJO
 R.C.E.: 85614 exp.: 9/30/24
 Date: _____

INSPECTED AND RECOMMENDED FOR ACCEPTANCE
 Engineering Inspector _____ Date _____
 ENGINEER OF WORK AS-BUILT CERTIFICATE
 FIRST LAST NAME RCE 12345 EXP. 6/30/XX
 DATE: _____

VALLECITOS WATER DISTRICT
 PRESSURE ZONE: .815 HGL _____
 WVD AS-BUILT
 By: _____ (NAME (ENGINEER OF WORK)) Date: _____
 R.C.E. NO. _____ exp.: 6/30/20XX

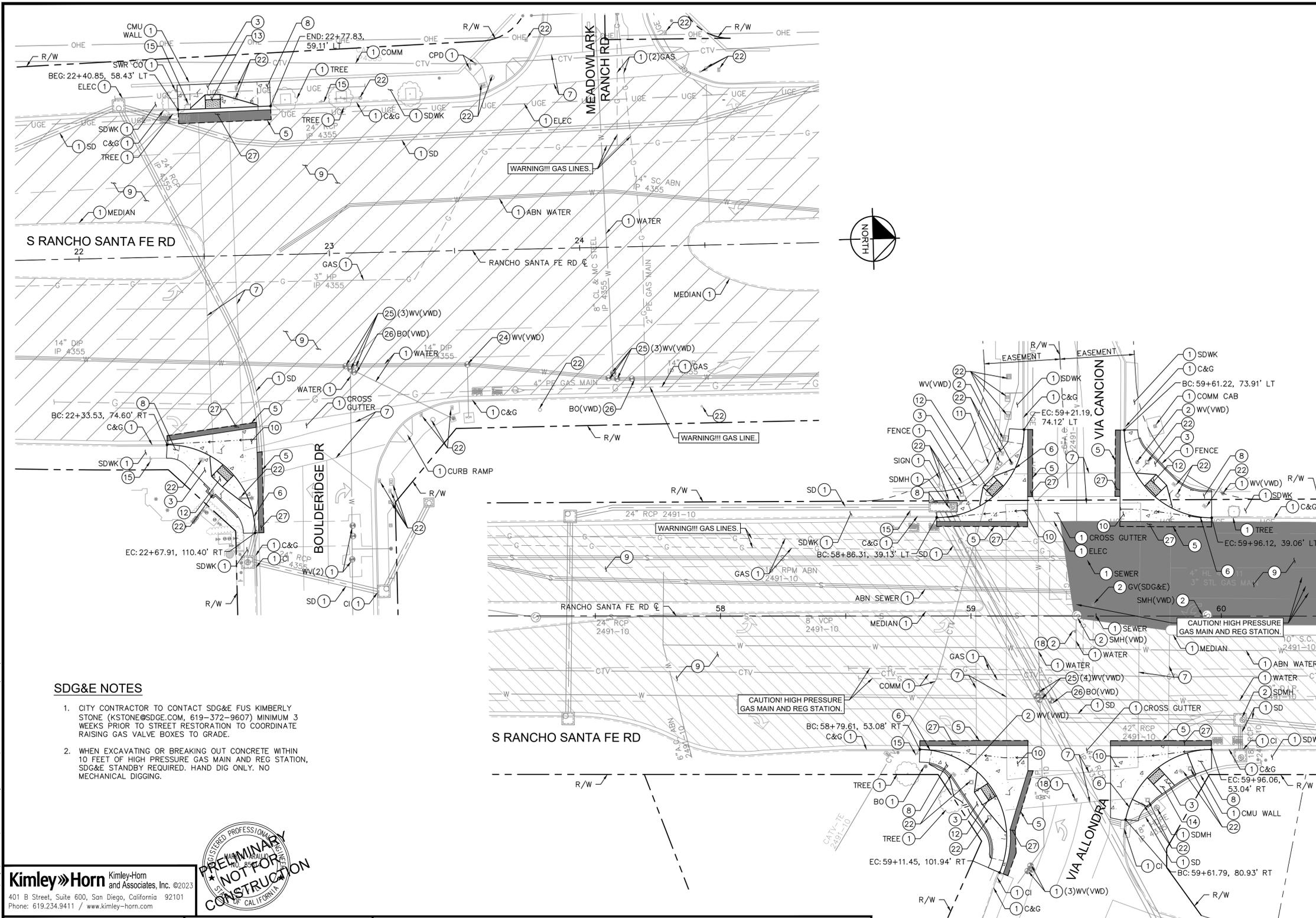
APPROVED FOR CONSTRUCTION
 By: Isaac Etchamendy, City Engineer
 R.C.E.: 81294 exp.: 9/30/2025
 Date: _____

BENCH MARK
 Description: FOUND 2.5" CITY OF SAN MARCOS BRASS
 DISC STAMPED "CP-032"
 Location: _____
 Record From: Record of Survey 23731
 Elev.: 604.89 [602.82] Datum: NAVD88 [NGVD29]

CITY OF SAN MARCOS
 KEY MAP FOR:
**RANCHO SANTA FE ROAD
 PAVEMENT IMPROVEMENTS**

City Drawing No. **IP23-00018**
 Sheet 4 of 27
 WVD WO# 284254

Drawing name: K:\SD\JWH\05524139 - Rancho Santa Fe Road\Design\Plan Sheets\824139-KM.dwg RM Apr 18, 2024 11:29am by: Henry Reich



LEGEND

- NEW CONCRETE (INCLUDES SIDEWALKS AND OTHER CONCRETE SURFACES)
- CONCRETE PAVERS
- MORTARED COBBLE PER DETAIL E ON SHEET 13
- ASPHALT CONCRETE PER DETAIL C ON SHEET 13
- ASPHALT CONCRETE PER DETAIL A ON SHEET 13
- ASPHALT CONCRETE PER DETAIL B ON SHEET 13
- GRADE BREAK
- SAWCUT
- FLOWLINE

- ### CONSTRUCTION NOTES
1. PROTECT IN PLACE.
 2. ADJUST TO FINISHED GRADE.
 3. REMOVE AND DISPOSE EXISTING FACILITIES IN CONFLICT WITH IMPROVEMENTS.
 5. SAWCUT PER DETAIL A ON SHEET 13.
 6. CONSTRUCT 6" TYPE G CURB AND GUTTER PER SDRSD G-02.
 7. REMOVE EXISTING PAINTED CROSSWALK AND REFER TO SIGNING AND MARKING PLANS ON SHEETS 19-22 FOR NEW TRAFFIC SIGNING AND PAVEMENT MARKING INSTALLATIONS.
 8. CONSTRUCT 4" PCC SIDEWALK PER SDRSD G-07 AND G-09.
 9. CONSTRUCT ASPHALT CONCRETE (C2-PG 64-28PM) PER DETAIL C ON SHEET 13.
 10. CONSTRUCT CROSS GUTTER SPANDREL PER SDRSD G-12.
 11. REMOVE END LODGE POLE POST AND MOVE BACK 1'.
 12. CONSTRUCT TYPE A-1 CURB RAMP PER SDRSD G-27 THROUGH G-32A. CONSTRUCT MONOLITHIC CURB AT BACK OF CURB RAMP IF GRADE CHANGE IS GREATER THAN 2". IF CURB HEIGHT EXCEEDS 6", CONSTRUCT MONOLITHIC CURB PER DETAIL D ON SHEET 13.
 13. CONSTRUCT TYPE B-1 CURB RAMP PER SDRSD G-27 THROUGH G-32A. CONSTRUCT MONOLITHIC CURB AT BACK OF CURB RAMP IF GRADE CHANGE IS GREATER THAN 2". IF CURB HEIGHT EXCEEDS 6", CONSTRUCT MONOLITHIC CURB PER DETAIL D ON SHEET 13.
 14. CONSTRUCT TYPE C CURB RAMP PER SDRSD G-27 THROUGH G-32A. CONSTRUCT MONOLITHIC CURB AT BACK OF CURB RAMP IF GRADE CHANGE IS GREATER THAN 2". IF CURB HEIGHT EXCEEDS 6", CONSTRUCT MONOLITHIC CURB PER DETAIL D ON SHEET 13.
 15. REFER TO SIGNING AND MARKING PLANS ON SHEETS 19-22 FOR NEW TRAFFIC SIGNING AND PAVEMENT MARKING INSTALLATIONS.
 18. EXISTING SURVEY MONUMENT (CORNER, WELL, OR BENCHMARK). REFER TO NOTES ON SHEET 3.
 22. REFER TO TRAFFIC SIGNAL PLANS ON SHEETS 23-27 FOR TRAFFIC SIGNAL REMOVALS, RELOCATIONS, AND NEW INSTALLATIONS.
 24. ADJUST TO FINISHED GRADE. FURNISH AND INSTALL LID AND REUSE VALVE BOX FRAME PER VWD STD W-14. FIRE HYDRANTS ONLY.
 25. ADJUST TO FINISHED GRADE. FURNISH AND INSTALL VALVE BOX FRAME AND LID PER VWD STD W-14 (1280N).
 26. ADJUST TO FINISHED GRADE. FURNISH AND INSTALL NEW LID AND COVER FOR EXISTING BLOW OFF ASSEMBLY PER VWD STD W-1 (SBF1243).
 27. CONSTRUCT ASPHALT CONCRETE (B2-PG 64-10) PER DETAIL A ON SHEET 13.

SDG&E NOTES

1. CITY CONTRACTOR TO CONTACT SDG&E FUS KIMBERLY STONE (KSTONE@SDGE.COM, 619-372-9607) MINIMUM 3 WEEKS PRIOR TO STREET RESTORATION TO COORDINATE RAISING GAS VALVE BOXES TO GRADE.
2. WHEN EXCAVATING OR BREAKING OUT CONCRETE WITHIN 10 FEET OF HIGH PRESSURE GAS MAIN AND REG STATION, SDG&E STANDBY REQUIRED. HAND DIG ONLY. NO MECHANICAL DIGGING.

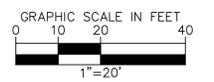


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CITY APPROVED CHANGES					
Δ NO.	DESCRIPTION	AFFECTED SHEETS	EOW APP'D	APP'D BY	DATE

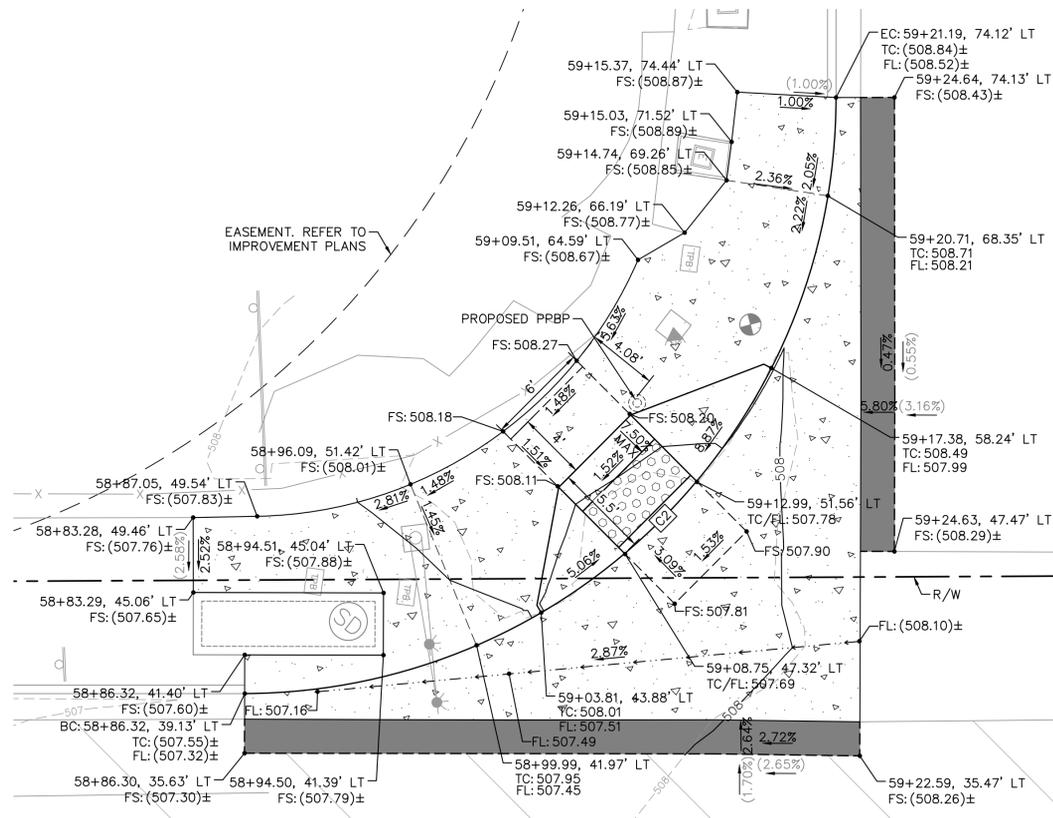
RECOMMENDED FOR APPROVAL		ENGINEER OF WORK	
By: EMAD ELIAS, ASSOCIATE CIVIL ENGINEER R.C.E.: 85528 exp.: 9/30/2024 Date: _____	By: MARK ARAUJO R.C.E.: 85614 exp.: 9/30/24 Date: _____	INSPECTED AND RECOMMENDED FOR ACCEPTANCE	
APPROVED FOR CONSTRUCTION		BENCH MARK	
By: Isaac Etchamendy, City Engineer R.C.E.: 81294 exp.: 9/30/2025 Date: _____	Description: FOUND 2.5" CITY OF SAN MARCOS BRASS DISC STAMPED "CP-032" Location: _____ Record From: [602.82] Record of Survey 23731 Elev.: 604.89 [602.82] Datum: NAVD88 [NGVD29]	Engineering Inspector _____ Date _____	

ENGINEER OF WORK AS-BUILT CERTIFICATE	
FIRST LAST NAME RCE 12345	EXP. 6/30/XX
DATE: _____	DATE: _____
CITY OF SAN MARCOS	
IMPROVEMENT PLANS FOR: RANCHO SANTA FE ROAD PAVEMENT IMPROVEMENTS	
City Drawing No.	IP23-00018
Sheet 5 of 27	

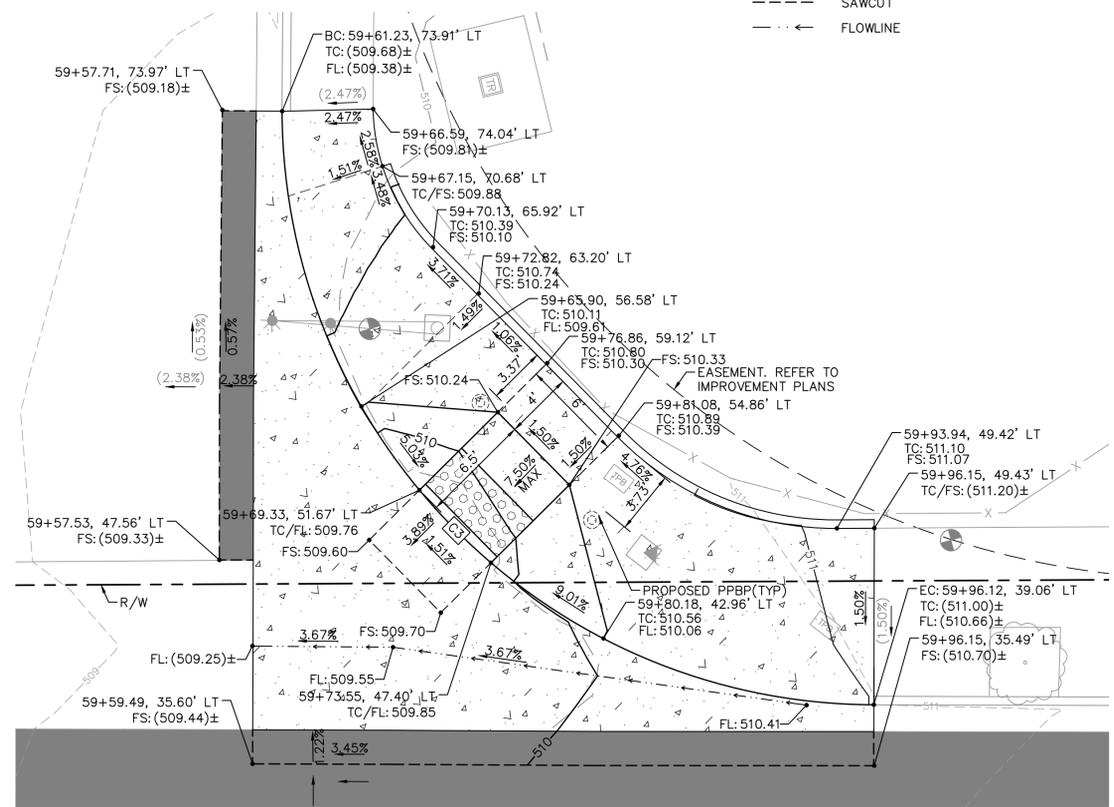


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- LEGEND**
- NEW CONCRETE (INCLUDES SIDEWALKS AND OTHER CONCRETE SURFACES)
 - CONCRETE PAVERS
 - MORTARED COBBLE PER DETAIL E ON SHEET 13
 - ASPHALT CONCRETE PER DETAIL C ON SHEET 13
 - ASPHALT CONCRETE PER DETAIL A ON SHEET 13
 - ASPHALT CONCRETE PER DETAIL B ON SHEET 13
 - GRADE BREAK
 - SAWCUT
 - FLOWLINE



S RANCHO SANTA FE ROAD AT VIA CACION - SW CURB RETURN
SCALE: 1"=5'



S RANCHO SANTA FE ROAD AT VIA CACION - NW CURB RETURN
SCALE: 1"=5'

CURB GEOMETRIC DATA						
	LENGTH	LINE/CHORD DIRECTION	R	T	DELTA	REMARKS
C2	54.85'	N7°21'14"E	35.00'	34.87'	89°47'04"	6" C&G PER SDRSD G-02
C3	54.72'	S82°35'48"E	35.00'	34.75'	89°35'08"	6" C&G PER SDRSD G-02

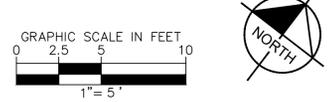
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Phone: 619.234.9411 / www.kimley-horn.com



VALLECITOS WATER DISTRICT
APPROVAL OF THESE IMPROVEMENT PLANS DOES NOT COMMIT DISTRICT TO SUPPLYING WASTEWATER SERVICES TO THIS PROJECT OR GUARANTEE THAT WATER WILL BE AVAILABLE
Date: _____
JASON P. HUBBARD, P.E.
DISTRICT ENGINEER
No. 60317 exp.: 6/30/2024
APPROVAL VALID FOR EIGHTEEN (18) MONTHS FROM DATE SIGNED

CITY APPROVED CHANGES					
Δ NO.	DESCRIPTION	AFFECTED SHEETS	EOW APP'D	APP'D BY	DATE



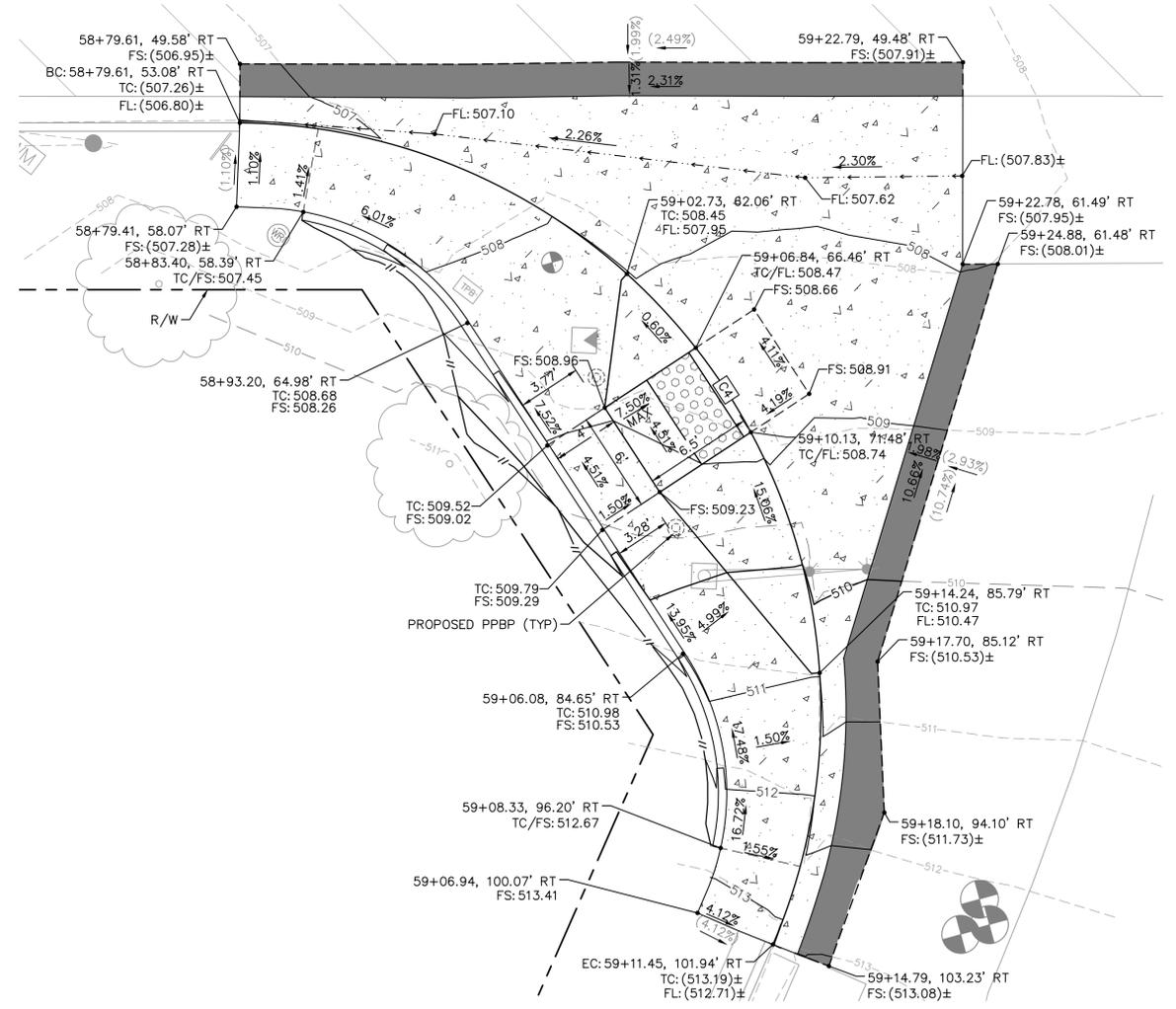
RECOMMENDED FOR APPROVAL By: EMAD ELIAS, ASSOCIATE CIVIL ENGINEER R.C.E.: 85528 exp.: 9/30/2024 Date: _____	ENGINEER OF WORK By: MARK ARAUJO R.C.E.: 85614 exp.: 9/30/24 Date: _____	INSPECTED AND RECOMMENDED FOR ACCEPTANCE Engineering Inspector _____ Date _____	ENGINEER OF WORK AS-BUILT CERTIFICATE FIRST LAST NAME RCE 12345 EXP. 6/30/XX DATE: _____
APPROVED FOR CONSTRUCTION By: Isaac Etchamendy, City Engineer R.C.E.: 81294 exp.: 9/30/2025 Date: _____	BENCH MARK Description: FOUND 2.5" CITY OF SAN MARCOS BRASS DISC STAMPED "CP-032" Location: _____ Record From: Record of Survey 23731 Elev.: 604.89 [602.82] Datum: NAVD88 [NGVD29]	CITY OF SAN MARCOS CURB RAMP ENLARGEMENTS FOR: RANCHO SANTA FE ROAD PAVEMENT IMPROVEMENTS	

VALLECITOS WATER DISTRICT
PRESSURE ZONE: .815 HGL
By: _____ Date: _____
R.C.E. NO. _____ exp.: 6/30/20XX

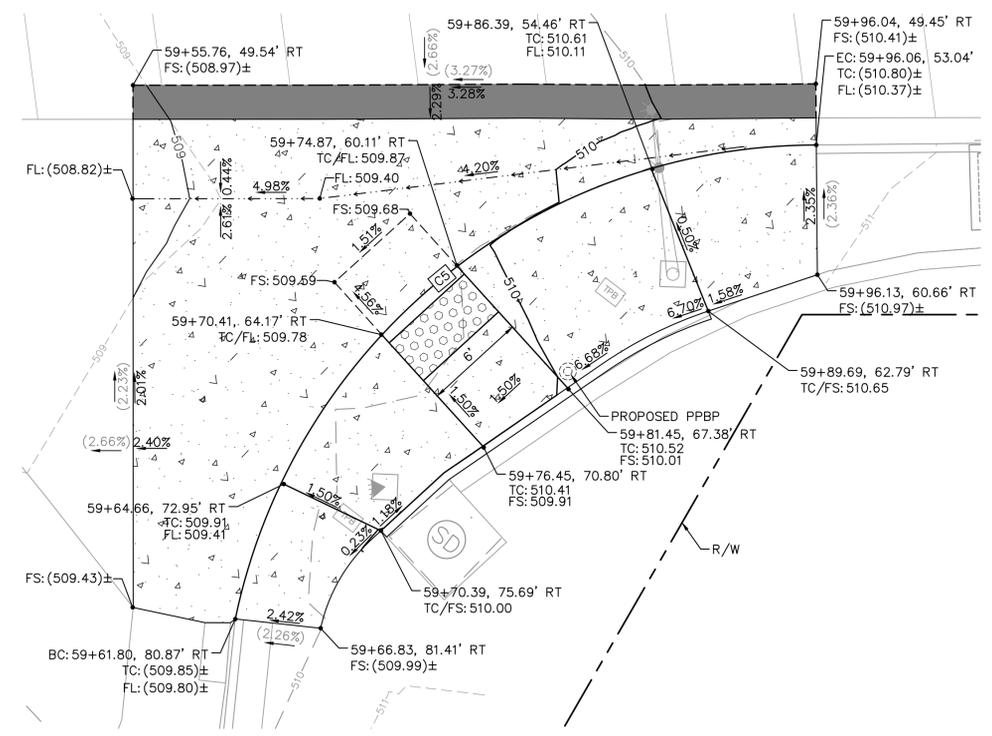
City Drawing No.
IP23-00018
Sheet 7 of 27
VWD WO# 284254

LEGEND

-  NEW CONCRETE (INCLUDES SIDEWALKS AND OTHER CONCRETE SURFACES)
-  CONCRETE PAVERS
-  MORTARED COBBLE PER DETAIL E ON SHEET 13
-  ASPHALT CONCRETE PER DETAIL C ON SHEET 13
-  ASPHALT CONCRETE PER DETAIL A ON SHEET 13
-  ASPHALT CONCRETE PER DETAIL B ON SHEET 13
-  GRADE BREAK
-  SAWCUT
-  FLOWLINE



S RANCHO SANTA FE ROAD AT VIA ALLONDRA - SE CURB RETURN
SCALE: 1"=5'



S RANCHO SANTA FE ROAD AT VIA ALLONDRA - NE CURB RETURN
SCALE: 1"=5'

CURB GEOMETRIC DATA						
LENGTH	LINE/CHORD DIRECTION	R	T	DELTA	REMARKS	
C4	68.94'	S70°38'36"E	35.00'	52.73'	112°51'15"	6" C&G PER SDRS G-02
C5	47.76'	N13°22'12"E	35.00'	28.44'	78°11'29"	6" C&G PER SDRS G-02

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VALLECITOS WATER DISTRICT
APPROVAL OF THESE IMPROVEMENT PLANS DOES NOT COMMIT DISTRICT TO SUPPLYING WASTEWATER SERVICES TO THIS PROJECT OR GUARANTEE THAT WATER WILL BE AVAILABLE
Date: _____
JASON P. HUBBARD, P.E.
DISTRICT ENGINEER
60317 exp.: 6/30/2024
APPROVAL VALID FOR EIGHTEEN (18) MONTHS FROM DATE SIGNED

CITY APPROVED CHANGES					
Δ NO.	DESCRIPTION	AFFECTED SHEETS	EOW APP'D	APP'D BY	DATE

RECOMMENDED FOR APPROVAL By: EMAD ELIAS, ASSOCIATE CIVIL ENGINEER R.C.E.: 85528 exp.: 9/30/2024 Date: _____	ENGINEER OF WORK By: MARK ARAUJO R.C.E.: 85614 exp.: 9/30/24 Date: _____
APPROVED FOR CONSTRUCTION By: Isaac Etchamendy, City Engineer R.C.E.: 81294 exp.: 9/30/2025 Date: _____	BENCH MARK Description: FOUND 2.5" CITY OF SAN MARCOS BRASS DISC STAMPED "CP-032" Location: _____ Record From: Record of Survey 23731 Elev.: 604.89 [602.82] Datum: NAVD88 [NGVD29]

INSPECTED AND RECOMMENDED FOR ACCEPTANCE Engineering Inspector _____ Date _____	ENGINEER OF WORK AS-BUILT CERTIFICATE FIRST LAST NAME RCE 12345 EXP. 6/30/XX DATE: _____
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VALLECITOS WATER DISTRICT
PRESSURE ZONE: 815 HGL
By: _____ Date: _____
R.C.E. NO. _____ exp.: 6/30/20XX

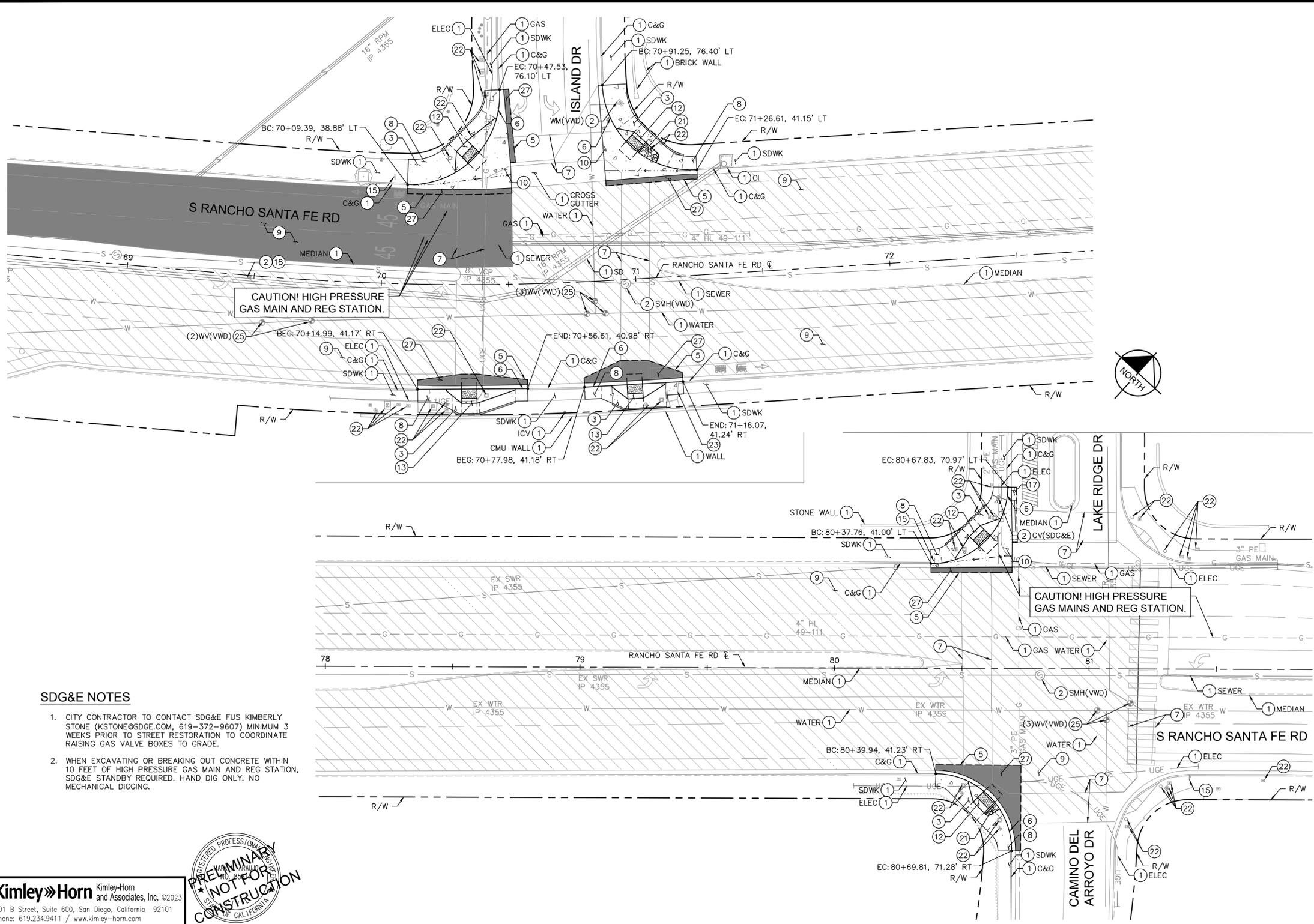
WVD AS-BUILT
By: _____ Date: _____
R.C.E. NO. _____ exp.: 6/30/20XX

CITY OF SAN MARCOS
CURB RAMP ENLARGMENTS FOR:
RANCHO SANTA FE ROAD
PAVEMENT IMPROVEMENTS

City Drawing No.
IP23-00018
Sheet 8 of 27
VWD WO# 284254

Drawing name: K:\SDO_M\W\195524139 - Rancho Santa Fe Road\Design\Plan Sheets\824139-DT01.dwg DT03 Apr 18, 2024 11:30am by: Henry Reich

Drawing name: K:\SDM\WV\05524139 - Rancho Santa Fe Road\Design\Plan Sheets\24139-P03.dwg P037 Apr 18, 2024, 11:31am by: HenryReich



LEGEND

- NEW CONCRETE (INCLUDES SIDEWALKS AND OTHER CONCRETE SURFACES)
- CONCRETE PAVERS
- MORTARED COBBLE PER DETAIL E ON SHEET 13
- ASPHALT CONCRETE PER DETAIL C ON SHEET 13
- ASPHALT CONCRETE PER DETAIL A ON SHEET 13
- ASPHALT CONCRETE PER DETAIL B ON SHEET 13
- GRADE BREAK
- SAWCUT
- FLOWLINE

- ### CONSTRUCTION NOTES
- 1 PROTECT IN PLACE.
 - 2 ADJUST TO FINISHED GRADE.
 - 3 REMOVE AND DISPOSE EXISTING FACILITIES IN CONFLICT WITH IMPROVEMENTS.
 - 5 SAWCUT PER DETAIL A ON SHEET 13.
 - 6 CONSTRUCT 6" TYPE G CURB AND GUTTER PER SDRSD G-02.
 - 7 REMOVE EXISTING PAINTED CROSSWALK AND REFER TO SIGNING AND MARKING PLANS ON SHEETS 19-22 FOR NEW TRAFFIC SIGNING AND PAVEMENT MARKING INSTALLATIONS.
 - 8 CONSTRUCT 4" PCC SIDEWALK PER SDRSD G-07 AND G-09.
 - 9 CONSTRUCT ASPHALT CONCRETE (C2-PG 64-28PM) PER DETAIL C ON SHEET 13.
 - 10 CONSTRUCT CROSS GUTTER SPANDREL PER SDRSD G-12.
 - 12 CONSTRUCT TYPE A-1 CURB RAMP PER SDRSD G-27 THROUGH G-32A. CONSTRUCT MONOLITHIC CURB AT BACK OF CURB RAMP IF GRADE CHANGE IS GREATER THAN 2". IF CURB HEIGHT EXCEEDS 6", CONSTRUCT MONOLITHIC CURB PER DETAIL D ON SHEET 13.
 - 13 CONSTRUCT TYPE B-1 CURB RAMP PER SDRSD G-27 THROUGH G-32A. CONSTRUCT MONOLITHIC CURB AT BACK OF CURB RAMP IF GRADE CHANGE IS GREATER THAN 2". IF CURB HEIGHT EXCEEDS 6", CONSTRUCT MONOLITHIC CURB PER DETAIL D ON SHEET 13.
 - 15 REFER TO SIGNING AND MARKING PLANS ON SHEETS 19-22 FOR NEW TRAFFIC SIGNING AND PAVEMENT MARKING INSTALLATIONS.
 - 17 REMOVE, SALVAGE, AND RE-INSTALL PAVERS. CONTRACTOR TO REPLACE ANY DAMAGED PAVERS AND RECOMPACT AGGREGATE BASE TO 95% RELATIVE COMPACTION.
 - 18 EXISTING SURVEY MONUMENT (CORNER, WELL, OR BENCHMARK). REFER TO NOTES ON SHEET 3.
 - 21 FURNISH AND INSTALL MORTARED COBBLE PER DETAIL E ON SHEET 13.
 - 22 REFER TO TRAFFIC SIGNAL PLANS ON SHEETS 23-27 FOR TRAFFIC SIGNAL REMOVALS, RELOCATIONS, AND NEW INSTALLATIONS.
 - 23 CONSTRUCT MODIFIED CURB OUTLET TYPE A PER SDRSD D-25A, MODIFIED WITH 4" WIDE OPENING. CONTRACTOR TO TIE OUTLET INTO EXISTING DRAINAGE SYSTEM.
 - 25 ADJUST TO FINISHED GRADE. FURNISH AND INSTALL VALVE BOX FRAME AND LID PER WVD STD W-14 (1280N).
 - 27 CONSTRUCT ASPHALT CONCRETE (B2-PG 64-10) PER DETAIL A ON SHEET 13.

- ### SDG&E NOTES
1. CITY CONTRACTOR TO CONTACT SDG&E FUS KIMBERLY STONE (KSTONE@SDGE.COM, 619-372-9607) MINIMUM 3 WEEKS PRIOR TO STREET RESTORATION TO COORDINATE RAISING GAS VALVE BOXES TO GRADE.
 2. WHEN EXCAVATING OR BREAKING OUT CONCRETE WITHIN 10 FEET OF HIGH PRESSURE GAS MAIN AND REG STATION, SDG&E STANDBY REQUIRED. HAND DIG ONLY. NO MECHANICAL DIGGING.

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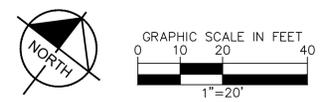


VALLECITOS WATER DISTRICT APPROVAL OF THESE IMPROVEMENT PLANS DOES NOT COMMIT DISTRICT TO SUPPLYING WASTEWATER SERVICES TO THIS PROJECT OR GUARANTEE THAT WATER WILL BE AVAILABLE. Date: _____ JASON P. HUBBARD, P.E. DISTRICT ENGINEER No. 60317 exp.: 6/30/2024 APPROVAL VALID FOR EIGHTEEN (18) MONTHS FROM DATE SIGNED	VALLECITOS WATER DISTRICT WVD AS-BUILT Date: _____ By: _____ (NAME (ENGINEER OF WORK)) R.C.E. NO. _____ exp.: 6/30/20XX
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CITY APPROVED CHANGES					
Δ NO.	DESCRIPTION	AFFECTED SHEETS	EOW APP'D	APP'D BY	DATE

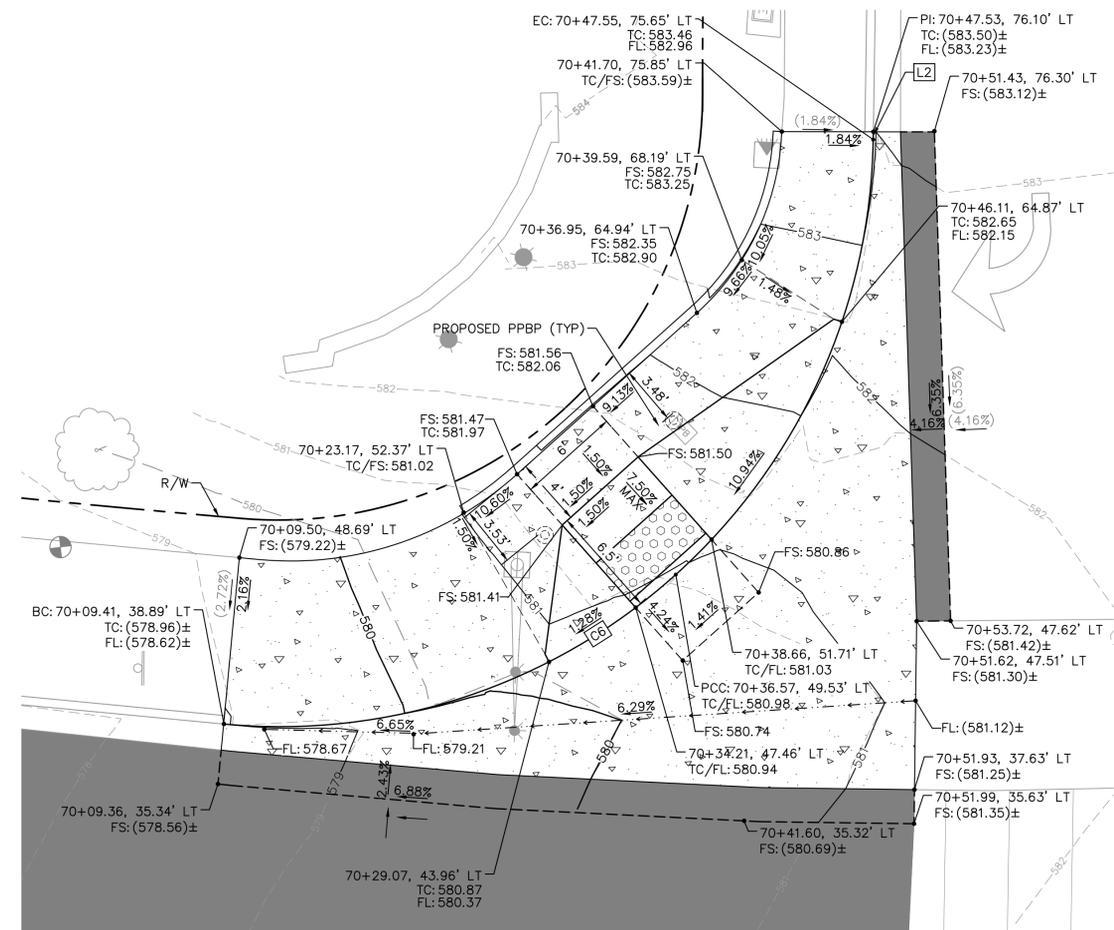
RECOMMENDED FOR APPROVAL By: EMAD ELIAS, ASSOCIATE CIVIL ENGINEER R.C.E.: 85528 exp.: 9/30/2024 Date: _____	ENGINEER OF WORK By: MARK ARALUJO R.C.E.: 85614 exp.: 9/30/24 Date: _____
APPROVED FOR CONSTRUCTION By: Isaac Etchamendy, City Engineer R.C.E.: 81294 exp.: 9/30/2025 Date: _____	BENCH MARK Description: FOUND 2.5" CITY OF SAN MARCOS BRASS DISC STAMPED "CP-032" Location: _____ Record From: Record of Survey 23731 Elev.: 604.89 [602.82] Datum: NAVD88 [NGVD29]

INSPECTED AND RECOMMENDED FOR ACCEPTANCE Engineering Inspector _____ Date _____	ENGINEER OF WORK AS-BUILT CERTIFICATE FIRST LAST NAME RCE 12345 EXP. 6/30/XX DATE: _____
CITY OF SAN MARCOS IMPROVEMENT PLANS FOR: RANCHO SANTA FE ROAD PAVEMENT IMPROVEMENTS	
City Drawing No.	IP23-00018
Sheet 9 of 27	

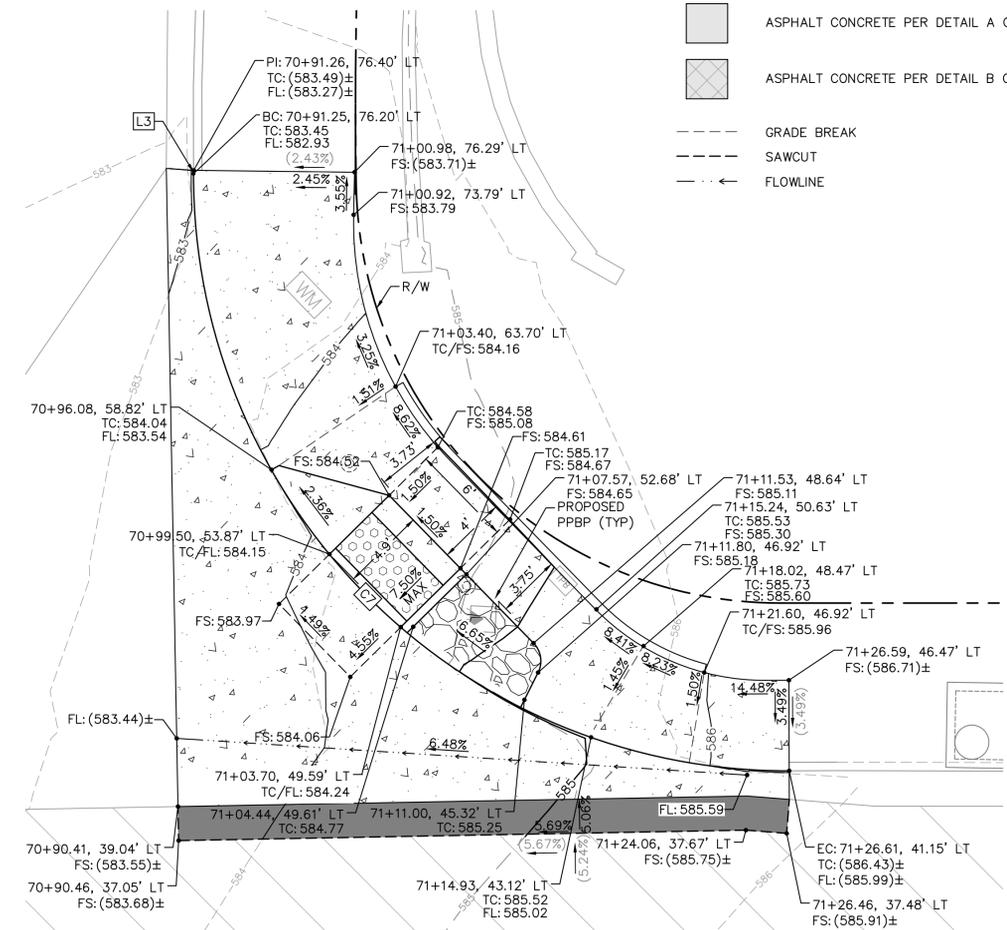


LEGEND

-  NEW CONCRETE (INCLUDES SIDEWALKS AND OTHER CONCRETE SURFACES)
-  CONCRETE PAVERS
-  MORTARED COBBLE PER DETAIL E ON SHEET 13
-  ASPHALT CONCRETE PER DETAIL C ON SHEET 13
-  ASPHALT CONCRETE PER DETAIL A ON SHEET 13
-  ASPHALT CONCRETE PER DETAIL B ON SHEET 13
-  GRADE BREAK
-  SAWCUT
-  FLOWLINE



S RANCHO SANTA FE ROAD AT ISLAND DRIVE - SW CURB RETURN
SCALE: 1"=5'



S RANCHO SANTA FE ROAD AT ISLAND DRIVE - NW CURB RETURN
SCALE: 1"=5'

CURB GEOMETRIC DATA						
	LENGTH	LINE/CHORD DIRECTION	R	T	DELTA	REMARKS
C6	57.76'	N2°11'39"E	35.00'	37.90'	94°33'33"	6" C&G PER SDRSD G-02
C7	55.16'	N88°59'13"E	35.00'	35.18'	90°18'03"	6" C&G PER SDRSD G-02
L2	0.46'	N45°05'07"W				6" C&G PER SDRSD G-02
L3	0.20'	S45°51'46"E				6" C&G PER SDRSD G-02

Drawing name: K:\SD\JWH\05524139 - Rancho Santa Fe Road\Design\Plan Sheets\24139-D101.dwg D104 Apr 18, 2024 11:31am by: HenryRoch

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Phone: 619.234.9411 / www.kimley-horn.com



VALLECITOS WATER DISTRICT
APPROVAL OF THESE IMPROVEMENT PLANS DOES NOT COMMIT DISTRICT TO SUPPLYING WASTEWATER SERVICES TO THIS PROJECT OR GUARANTEE THAT WATER WILL BE AVAILABLE
Date: _____
JASON P. HUBBARD, P.E.
DISTRICT ENGINEER
60317 exp.: 6/30/2024
APPROVAL VALID FOR EIGHTEEN (18) MONTHS FROM DATE SIGNED

CITY APPROVED CHANGES					
Δ NO.	DESCRIPTION	AFFECTED SHEETS	EOW APP'D	APP'D BY	DATE

RECOMMENDED FOR APPROVAL
By: EMAD ELIAS, ASSOCIATE CIVIL ENGINEER
R.C.E.: 85528 exp.: 9/30/2024
Date: _____

ENGINEER OF WORK
By: MARK ARAUJO
R.C.E.: 85614 exp.: 9/30/24
Date: _____

INSPECTED AND RECOMMENDED FOR ACCEPTANCE
Engineering Inspector _____ Date _____

ENGINEER OF WORK AS-BUILT CERTIFICATE
FIRST LAST NAME _____ RCE 12345 EXP. 6/30/XX
DATE: _____

VALLECITOS WATER DISTRICT
PRESSURE ZONE: 815 HGL
By: _____ Date: _____
R.C.E. NO. _____ exp.: 6/30/20XX

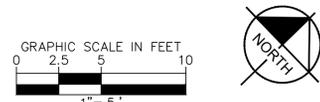
WVD AS-BUILT
By: _____ Date: _____
R.C.E. NO. _____ exp.: 6/30/20XX

APPROVED FOR CONSTRUCTION
By: Isaac Etchamendy, City Engineer
R.C.E.: 81294 exp.: 9/30/2025
Date: _____

BENCH MARK
Description: FOUND 2.5" CITY OF SAN MARCOS BRASS
DISC STAMPED "CP-032"
Location: _____
Record From: _____ Record of Survey 23731
Elev.: 604.89 [602.82] Datum: NAVD88 [NGVD29]

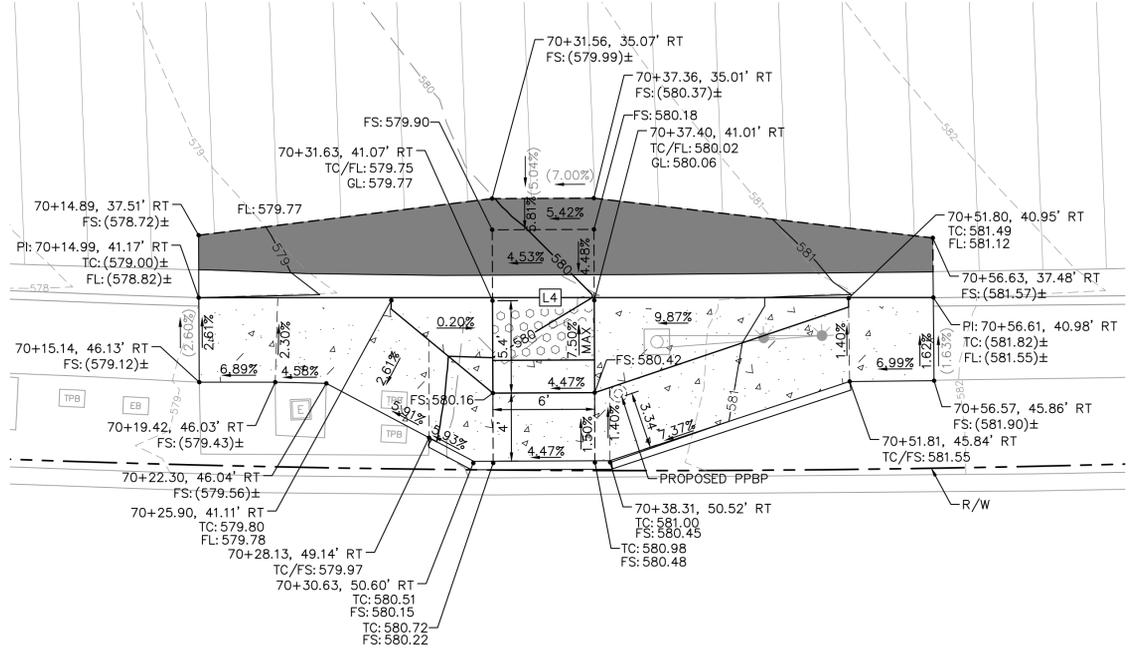
CITY OF SAN MARCOS
CURB RAMP ENLARGEMENTS FOR:
RANCHO SANTA FE ROAD
PAVEMENT IMPROVEMENTS

City Drawing No. **IP23-00018**
Sheet 10 of 27
VWD WO# 284254

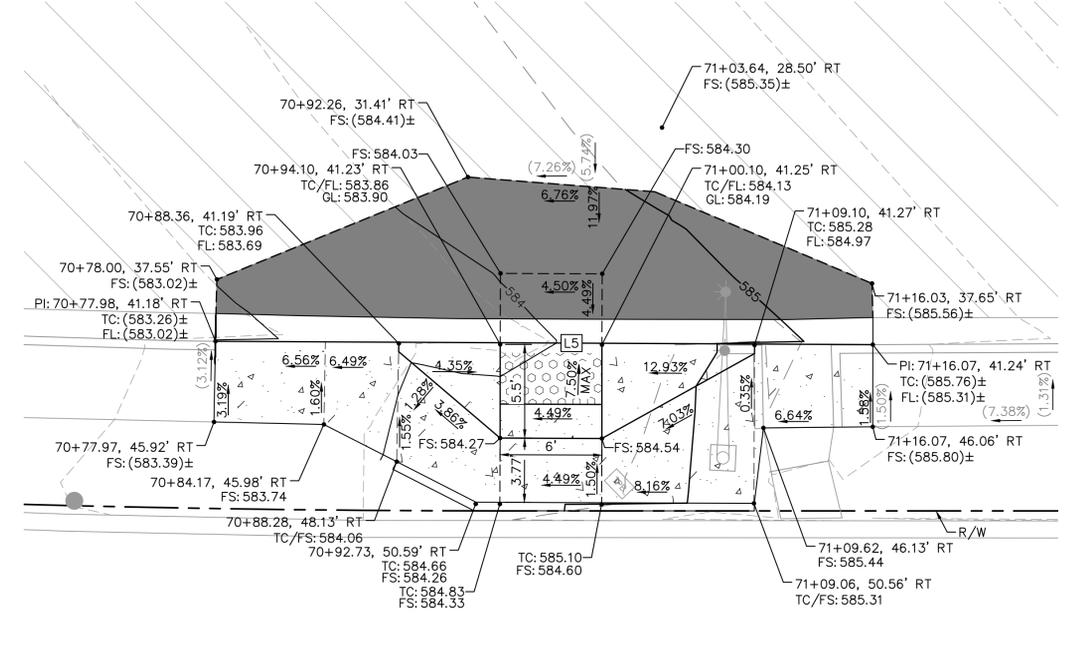


LEGEND

-  NEW CONCRETE (INCLUDES SIDEWALKS AND OTHER CONCRETE SURFACES)
-  CONCRETE PAVERS
-  MORTARED COBBLE PER DETAIL E ON SHEET 13
-  ASPHALT CONCRETE PER DETAIL C ON SHEET 13
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-  ASPHALT CONCRETE PER DETAIL B ON SHEET 13
-  GRADE BREAK
-  SAWCUT
-  FLOWLINE



S RANCHO SANTA FE ROAD AT ISLAND DRIVE - SE CURB RETURN
SCALE: 1"=5'



S RANCHO SANTA FE ROAD AT ISLAND DRIVE - NE CURB RETURN
SCALE: 1"=5'

CURB GEOMETRIC DATA						
	LENGTH	LINE/CHORD DIRECTION	R	T	DELTA	REMARKS
L4	43.31'	N47°08'19"E				6" C&G PER SDRSD G-02
L5	38.77'	N44°20'28"E				6" C&G PER SDRSD G-02

Drawing name: K:\SDO_M\W\105524139 - Rancho Santa Fe Road\Design\Plan Sheets\24139-DT01.dwg DTD: Apr 18, 2024 11:32am by: HenryRoch

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VALLECITOS WATER DISTRICT
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JASON P. HUBBARD, P.E.
DISTRICT ENGINEER
60317 exp.: 6/30/2024
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CITY APPROVED CHANGES					
Δ NO.	DESCRIPTION	AFFECTED SHEETS	EOW APP'D	APP'D BY	DATE

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By: EMAD ELIAS, ASSOCIATE CIVIL ENGINEER
R.C.E.: 85528 exp.: 9/30/2024
Date: _____

ENGINEER OF WORK
By: MARK ARAUJO
R.C.E.: 85614 exp.: 9/30/24
Date: _____

INSPECTED AND RECOMMENDED FOR ACCEPTANCE
Engineering Inspector _____ Date _____

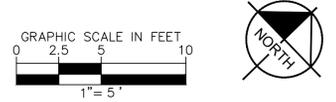
ENGINEER OF WORK AS-BUILT CERTIFICATE
FIRST LAST NAME RCE 12345 EXP. 6/30/XX
DATE: _____

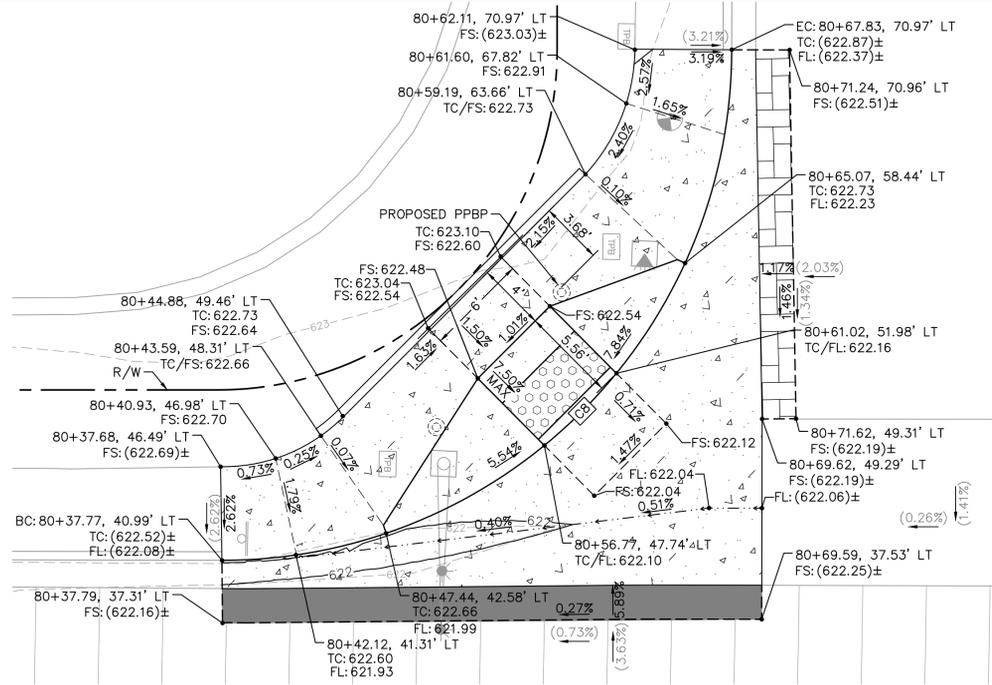
VALLECITOS WATER DISTRICT
PRESSURE ZONE: 815 HGL
By: _____ Date: _____
R.C.E. NO. _____ exp.: 6/30/20XX

APPROVED FOR CONSTRUCTION
By: Isaac Etchamendy, City Engineer
R.C.E.: 81294 exp.: 9/30/2025
Date: _____

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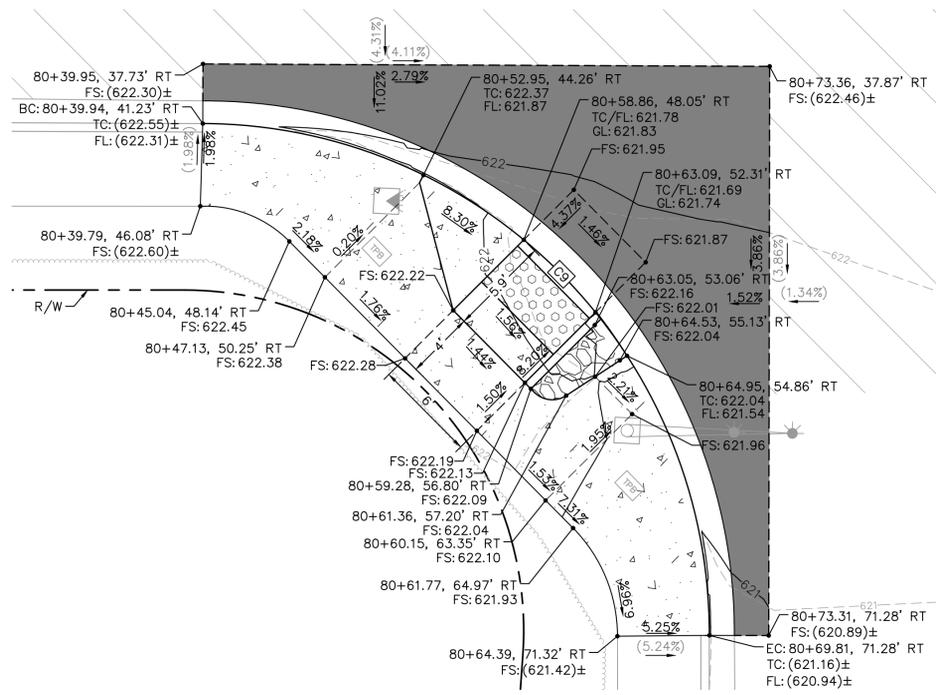
CITY OF SAN MARCOS
CURB RAMP ENLARGEMENTS FOR:
RANCHO SANTA FE ROAD
PAVEMENT IMPROVEMENTS
City Drawing No. **IP23-00018**
Sheet 11 of 27
VWD WO# 284254





S RANCHO SANTA FE ROAD AT LAKE RIDGE DRIVE - SW CURB RETURN

SCALE: 1"=5'



S RANCHO SANTA FE ROAD AT CAMINO DEL ARROYO - SE CURB RETURN

SCALE: 1"=5'

CURB GEOMETRIC DATA						
	LENGTH	LINE/CHORD DIRECTION	R	T	DELTA	REMARKS
C8	47.16'	N05°12'27"W	30.00'	30.04'	90°04'20"	6" C&G PER SDRSD G-02
C9	47.05'	N89°12'58"E	30.00'	29.92'	89°51'14"	6" C&G PER SDRSD G-02

Drawing name: K:\SD\JWH\105524139 - Rancho Santa Fe Road\Design\Plan Sheets\824139-D101.dwg D101 Apr 18, 2024 11:32am by: HenryReich

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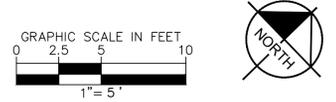
CITY APPROVED CHANGES					
ΔNO.	DESCRIPTION	AFFECTED SHEETS	EOW APP'D	APP'D BY	DATE

RECOMMENDED FOR APPROVAL	ENGINEER OF WORK
By: EMAD ELIAS, ASSOCIATE CIVIL ENGINEER R.C.E.: 85528 exp.: 9/30/2024 Date: _____	By: MARK ARAUJO R.C.E.: 85614 exp.: 9/30/24 Date: _____

INSPECTED AND RECOMMENDED FOR ACCEPTANCE	ENGINEER OF WORK AS-BUILT CERTIFICATE
Engineering Inspector _____ Date _____	FIRST LAST NAME RCE 12345 EXP. 6/30/XX DATE: _____

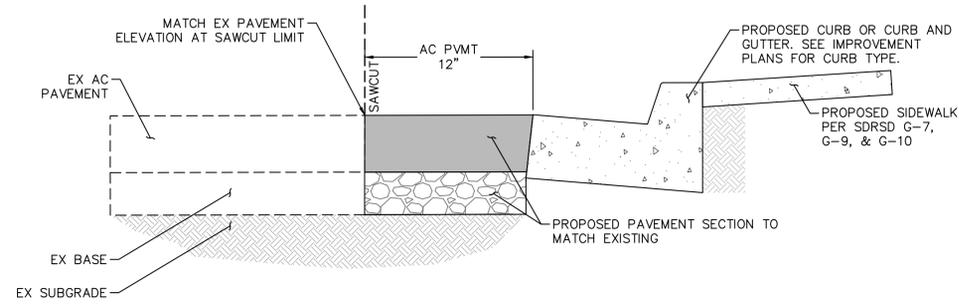
VALLECITOS WATER DISTRICT
PRESSURE ZONE: 815 HGL
By: _____ Date: _____
R.C.E. NO. _____ exp.: 6/30/20XX

WVD AS-BUILT
By: _____ Date: _____
R.C.E. NO. _____ exp.: 6/30/20XX

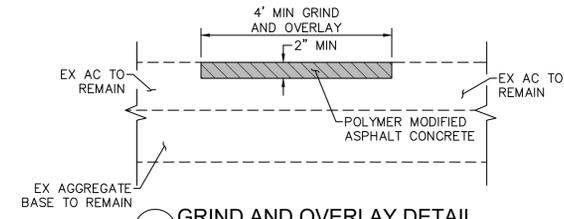


CITY OF SAN MARCOS
CURB RAMP ENLARGEMENTS FOR:
RANCHO SANTA FE ROAD
PAVEMENT IMPROVEMENTS

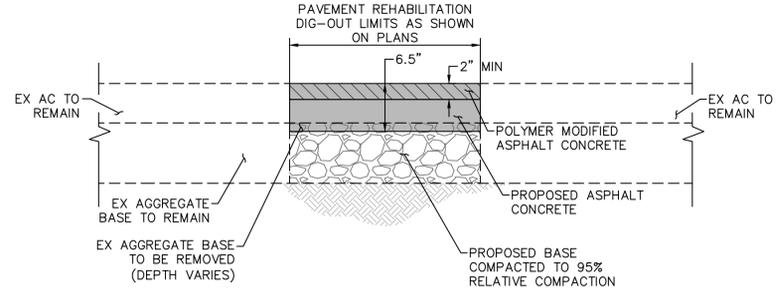
City Drawing No.
IP23-00018
Sheet 12 of 27
WVD WO# 284254



A ROADWAY SAWCUT AND SLOT PATCH DETAIL
NOT TO SCALE



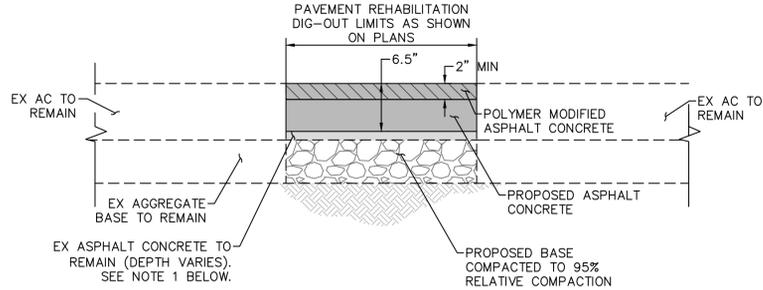
B GRIND AND OVERLAY DETAIL
NOT TO SCALE



NOTES:

- IT IS ASSUMED THAT FOR AREAS WITH AN ASPHALT SECTION LESS THAN 6.5', THE CONTRACTOR WILL REMOVE ASPHALT AND AGGREGATE BASE TO A TOTAL DEPTH OF 6.5'. CONTRACTOR SHALL RECOMPACT REMAINING BASE TO 95% RELATIVE COMPACTION AND CONSTRUCT 6.5' OF ASPHALT SECTION.
- FINAL QUANTITY OF ASPHALT SHALL BE DETERMINED IN THE FIELD.
- TOP 2" OF ASPHALT CONCRETE SHALL BE POLYMER MODIFIED ASPHALT CONCRETE C2-PG 64-28PM.
- REMAINING PROPOSED ASPHALT CONCRETE SECTION SHALL BE B2-PG 64-10.

CASE I

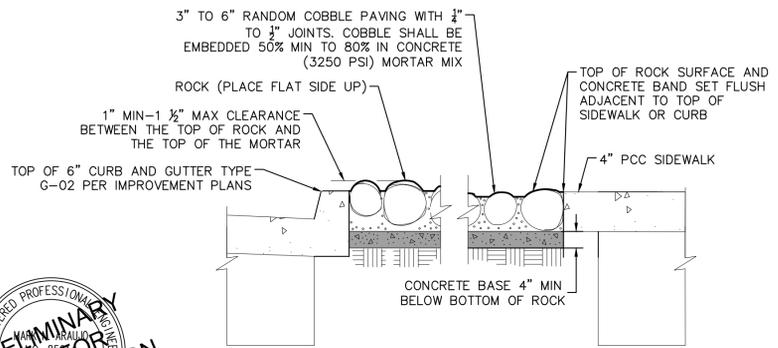


NOTES:

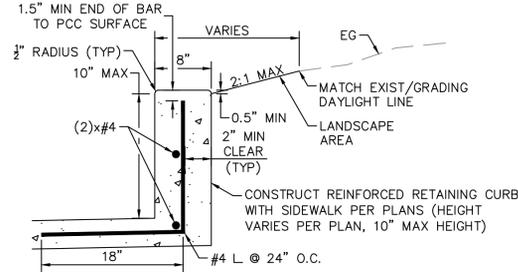
- IT IS ASSUMED THAT FOR AREAS WITH AN ASPHALT SECTION GREATER THAN 6.5', THE CITY WILL INSPECT THE REMAINING PAVEMENT TO DETERMINE IF ADDITIONAL PAVEMENT REMOVAL IS NECESSARY. AND AFTER CITY APPROVAL, CONTRACTOR SHALL BACKFILL BASE MATERIAL TO MATCH DEPTH OF REMOVAL AND RECOMPACT BASE TO 95% RELATIVE COMPACTION (IF BASE MATERIAL IS EXPOSED) AND CONSTRUCT 6.5' ASPHALT SECTION.
- FINAL QUANTITY OF ASPHALT SHALL BE DETERMINED IN THE FIELD.
- TOP 2" OF ASPHALT CONCRETE SHALL BE POLYMER MODIFIED ASPHALT CONCRETE C2-PG 64-28PM.
- REMAINING PROPOSED ASPHALT CONCRETE SECTION SHALL BE B2-PG 64-10.

CASE II

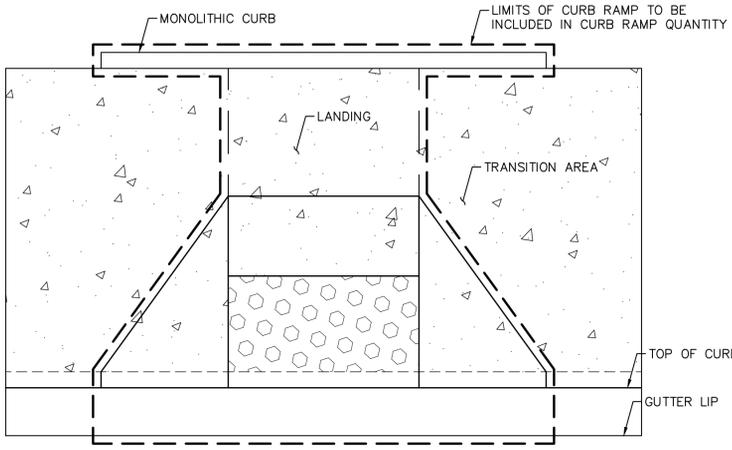
C COLD IN-PLACE RECYCLING DETAILS
NOT TO SCALE



E MORTARED COBBLE DETAIL
NOT TO SCALE



D RETAINING CURB DETAIL
NOT TO SCALE



F LIMITS OF CURB RAMP DETAIL
NOT TO SCALE

Drawing name: K:\SD\JMM\195824139 - Rancho Santa Fe Road\Design\Plan Sheets\824139-D1.dwg DT Apr 18, 2024 11:22am By: Henry Reich

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VALLECITOS WATER DISTRICT
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Date: _____
JASON P. HUBBARD, P.E.
DISTRICT ENGINEER
60317 exp.: 6/30/2024
APPROVAL VALID FOR EIGHTEEN (18) MONTHS FROM DATE SIGNED

VALLECITOS WATER DISTRICT
PRESSURE ZONE: 815 HGL
By: _____ Date: _____
R.C.E. NO. _____ exp.: 6/30/20XX

CITY APPROVED CHANGES					
Δ NO.	DESCRIPTION	AFFECTED SHEETS	EOW APP'D	APP'D BY	DATE

RECOMMENDED FOR APPROVAL
By: EMAD ELIAS, ASSOCIATE CIVIL ENGINEER
R.C.E.: 85528 exp.: 9/30/2024
Date: _____

ENGINEER OF WORK
By: MARK ARALUJO
R.C.E.: 85614 exp.: 9/30/24
Date: _____

INSPECTED AND RECOMMENDED FOR ACCEPTANCE
Engineering Inspector _____ Date _____

ENGINEER OF WORK AS-BUILT CERTIFICATE
FIRST LAST NAME RCE 12345 EXP. 6/30/XX
DATE: _____

APPROVED FOR CONSTRUCTION
By: Isaac Etchamendy, City Engineer
R.C.E.: 81294 exp.: 9/30/2025
Date: _____

BENCH MARK
Description: FOUND 2.5" CITY OF SAN MARCOS BRASS
DISC STAMPED "CP-032"
Location: _____
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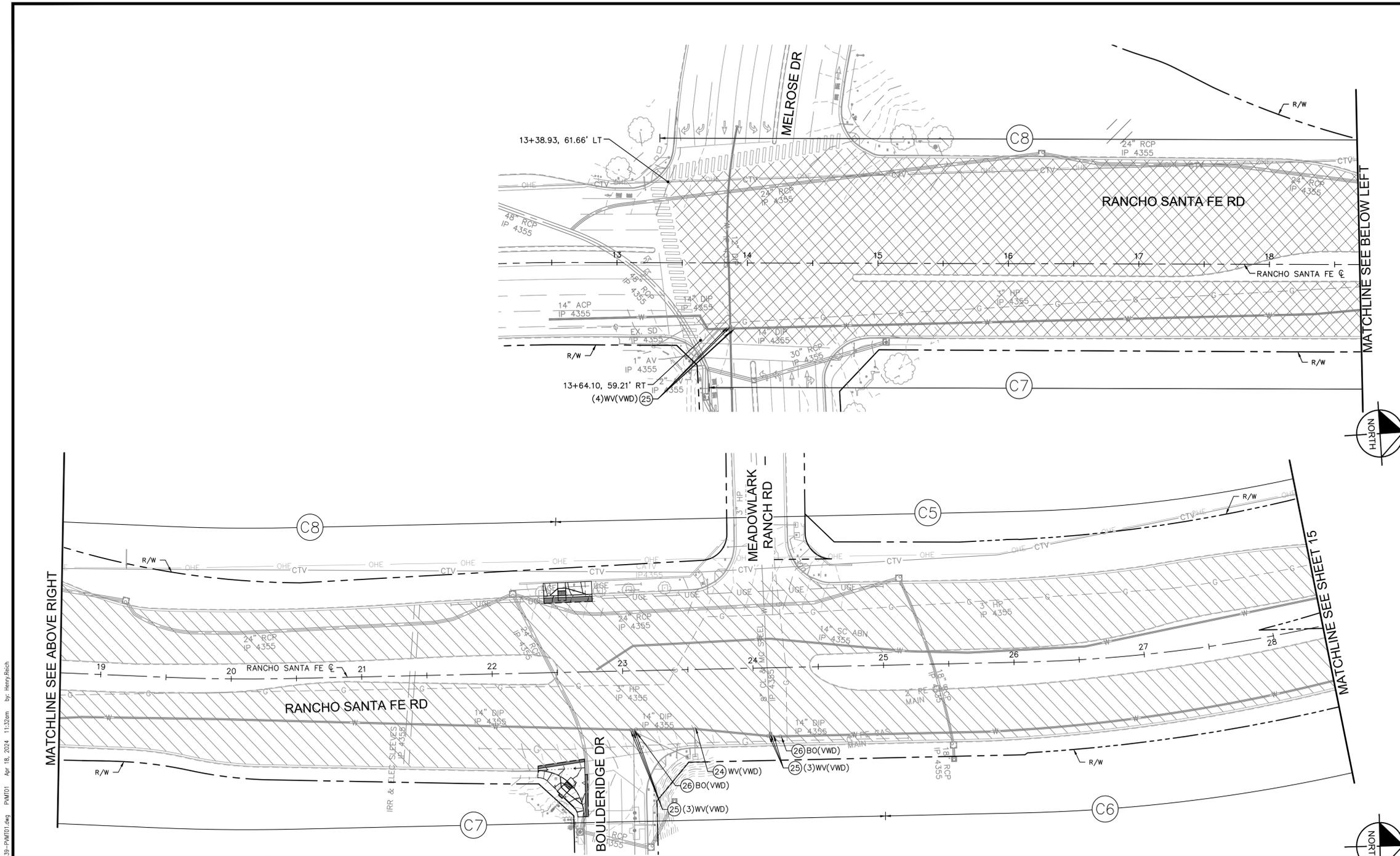
CITY OF SAN MARCOS
RANCHO SANTA FE ROAD
PAVEMENT IMPROVEMENTS
City Drawing No. IP23-00018
Sheet 13 of 27
VWD WO# 284254

LEGEND

-  COLD IN-PLACE RECYCLING (CASE I) PER DETAIL C ON SHEET 13
-  ASPHALT CONCRETE PER DETAIL A ON SHEET 13
-  COLD IN-PLACE RECYCLING (CASE II) PER DETAIL C ON SHEET 13
-  BORING ID
-  PAVEMENT CORE ID

CONSTRUCTION NOTES

- (24) ADJUST TO FINISHED GRADE. FURNISH AND INSTALL LID AND REUSE VALVE BOX FRAME PER VWD STD W-14. FIRE HYDRANTS ONLY.
- (25) ADJUST TO FINISHED GRADE. FURNISH AND INSTALL VALVE BOX FRAME AND LID PER VWD STD W-14 (1280N).
- (26) ADJUST TO FINISHED GRADE. FURNISH AND INSTALL NEW LID AND COVER FOR EXISTING BLOW OFF ASSEMBLY PER VWD STD W-1 (SBF1243).



PAVEMENT CORES			
CORE ID	DEPTH OF EXISTING AC PAVEMENT	DEPTH OF EXISTING BASE MATERIAL	REMARKS
B1	4"	6"	• 2 LAYERS OF PAVEMENT • R-VALUE: 63
B2	5"	6"	2 LAYERS OF PAVEMENT
B3	6"	6"	• 2 LAYERS OF PAVEMENT • R-VALUE: 45
B4	5"	6"	2 LAYERS OF PAVEMENT
C1	6.5"	14"	• 3 LAYERS OF PAVEMENT • FABRIC OBSERVED BETWEEN LAYERS
C2	7.5"	4"	• 3 LAYERS OF PAVEMENT • FABRIC OBSERVED BETWEEN LAYERS
C3	4.5"	8"	
C4	5"	8"	2 LAYERS OF PAVEMENT
C5	7"	6"	• 2 LAYERS OF PAVEMENT • BOTTOM LAYER MAY BE CEMENT TREATED BASE
C6	4.5"	8"	• 2 LAYERS OF PAVEMENT • FABRIC OBSERVED BETWEEN LAYERS
C7	5"	4"	• 2 LAYERS OF PAVEMENT • FABRIC OBSERVED BETWEEN LAYERS
C8	7.5"	6"	• 4 LAYERS OF PAVEMENT • FABRIC OBSERVED BETWEEN LAYERS
C9	6"	18"	• 3 LAYERS OF PAVEMENT • FABRIC OBSERVED BETWEEN LAYERS
C10	5"	8"	2 LAYERS OF PAVEMENT
C11	6.5"	6"	4 LAYERS OF PAVEMENT
C12	6.5"	NO BASE	• 3 LAYERS OF PAVEMENT • FABRIC OBSERVED BETWEEN LAYERS

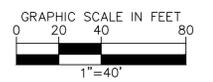
GENERAL NOTES

- 1. WORK WITHIN INTERSECTIONS 500 FEET IN EITHER DIRECTION WILL BE LIMITED TO NIGHT WORK AS AGREED UPON WITH THE CITY OF SAN MARCOS.

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CITY APPROVED CHANGES					
Δ NO.	DESCRIPTION	AFFECTED SHEETS	EOW APP'D	APP'D BY	DATE



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 WVD AS-BUILT
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 R.C.E.: 85614 exp.: 9/30/24
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 Location: _____
 Record From: Record of Survey 23731
 Elev.: 604.89 [602.82] Datum: NAVD88 [NGVD29]

INSPECTED AND RECOMMENDED FOR ACCEPTANCE
 Engineering Inspector _____ Date _____

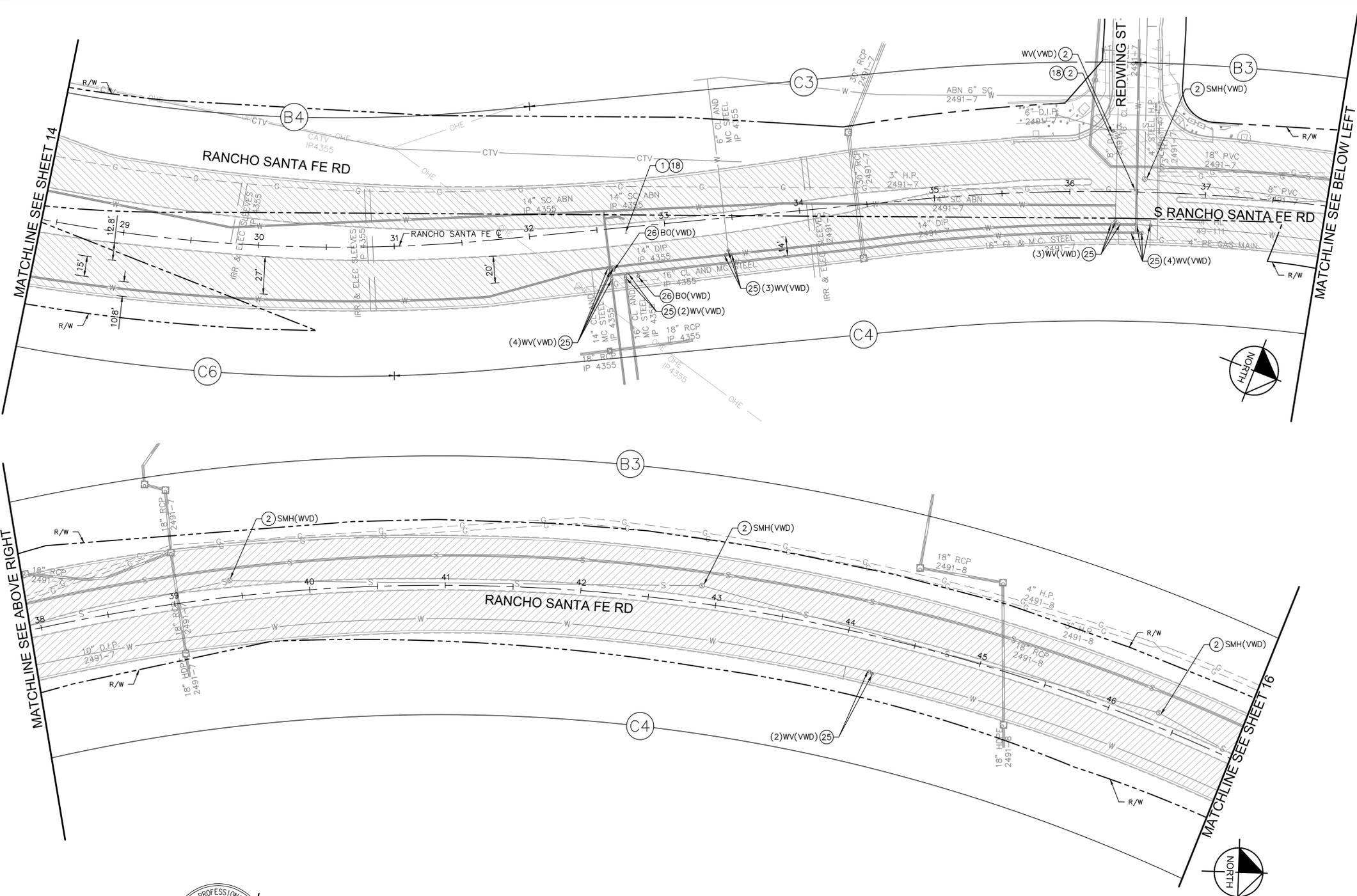
ENGINEER OF WORK AS-BUILT CERTIFICATE
 FIRST LAST NAME RCE 12345 EXP. 6/30/XX
 DATE: _____

CITY OF SAN MARCOS
 PAVEMENT REHABILITATION PLANS FOR:
RANCHO SANTA FE ROAD
 PAVEMENT IMPROVEMENTS

City Drawing No. **IP23-00018**
 Sheet 14 of 27
 VWD WO# 284254

Drawing name: K:\SDM\W\105524139 - Rancho Santa Fe Road\Design\Plan Sheets\824139-P\M01.dwg P:\M01 Apr 18, 2024, 11:32am by: Henry Reich

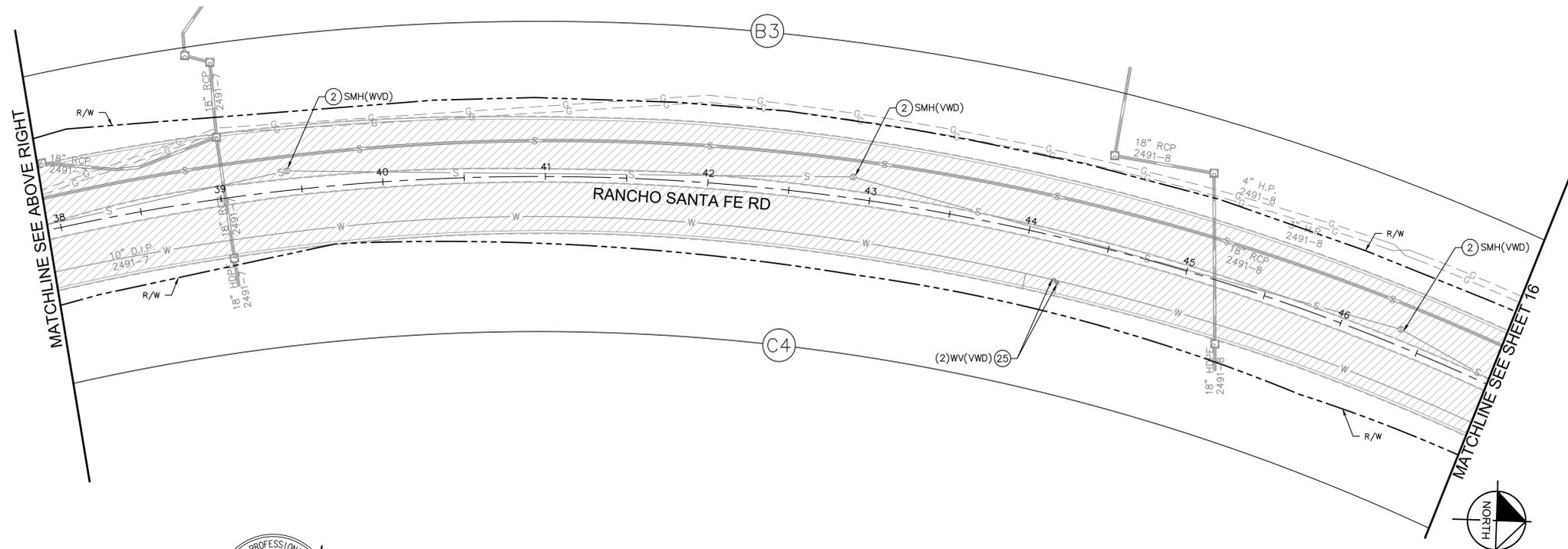
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LEGEND

- COLD IN-PLACE RECYCLING (CASE I) PER DETAIL C ON SHEET 13
- ASPHALT CONCRETE PER DETAIL A ON SHEET 13
- COLD IN-PLACE RECYCLING (CASE II) PER DETAIL C ON SHEET 13
- BORING ID
- PAVEMENT CORE ID

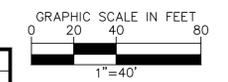
- CONSTRUCTION NOTES**
- ① PROTECT IN PLACE.
 - ② ADJUST TO FINISHED GRADE.
 - ⑬ EXISTING SURVEY MONUMENT (CORNER, WELL, OR BENCHMARK). REFER TO NOTES ON SHEET 3.
 - ⑳ ADJUST TO FINISHED GRADE. FURNISH AND INSTALL VALVE BOX FRAME AND LID PER VWD STD W-14 (1280N).
 - ㉑ ADJUST TO FINISHED GRADE. FURNISH AND INSTALL NEW LID AND COVER FOR EXISTING BLOW OFF ASSEMBLY PER VWD STD W-1 (SBF1243).



PAVEMENT CORES			
CORE ID	DEPTH OF EXISTING AC PAVEMENT	DEPTH OF EXISTING BASE MATERIAL	REMARKS
B1	4"	6"	• 2 LAYERS OF PAVEMENT • R-VALUE: 63
B2	5"	6"	2 LAYERS OF PAVEMENT
B3	6"	6"	• 2 LAYERS OF PAVEMENT • R-VALUE: 45
B4	5"	6"	2 LAYERS OF PAVEMENT
C1	6.5"	14"	• 3 LAYERS OF PAVEMENT • FABRIC OBSERVED BETWEEN LAYERS
C2	7.5"	4"	• 3 LAYERS OF PAVEMENT • FABRIC OBSERVED BETWEEN LAYERS
C3	4.5"	8"	
C4	5"	8"	2 LAYERS OF PAVEMENT
C5	7"	6"	• 2 LAYERS OF PAVEMENT • BOTTOM LAYER MAY BE CEMENT TREATED BASE
C6	4.5"	8"	• 2 LAYERS OF PAVEMENT • FABRIC OBSERVED BETWEEN LAYERS
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C8	7.5"	6"	• 4 LAYERS OF PAVEMENT • FABRIC OBSERVED BETWEEN LAYERS
C9	6"	18"	• 3 LAYERS OF PAVEMENT • FABRIC OBSERVED BETWEEN LAYERS
C10	5"	8"	2 LAYERS OF PAVEMENT
C11	6.5"	6"	4 LAYERS OF PAVEMENT
C12	6.5"	NO BASE	• 3 LAYERS OF PAVEMENT • FABRIC OBSERVED BETWEEN LAYERS

GENERAL NOTES

1. WORK WITHIN INTERSECTIONS 500 FEET IN EITHER DIRECTION WILL BE LIMITED TO NIGHT WORK AS AGREED UPON WITH THE CITY OF SAN MARCOS.



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VALLECITOS WATER DISTRICT
 APPROVAL OF THESE IMPROVEMENT PLANS DOES NOT COMMIT DISTRICT TO SUPPLYING WASTEWATER SERVICES TO THIS PROJECT OR GUARANTEE THAT WATER WILL BE AVAILABLE
 Date: _____
 JASON P. HUBBARD, P.E.
 DISTRICT ENGINEER
 No. 60317 exp.: 6/30/2024
 APPROVAL VALID FOR EIGHTEEN (18) MONTHS FROM DATE SIGNED

VALLECITOS WATER DISTRICT
 WVD AS-BUILT
 By: _____ Date: _____
 NAME (ENGINEER OF WORK)
 R.C.E. NO. _____ exp.: 6/30/20XX

CITY APPROVED CHANGES					
Δ NO.	DESCRIPTION	AFFECTED SHEETS	EOW APP'D	APP'D BY	DATE

RECOMMENDED FOR APPROVAL
 By: EMAD ELIAS, ASSOCIATE CIVIL ENGINEER
 R.C.E.: 85528 exp.: 9/30/2024
 Date: _____

ENGINEER OF WORK
 By: MARK ARAUJO
 R.C.E.: 85614 exp.: 9/30/24
 Date: _____

INSPECTED AND RECOMMENDED FOR ACCEPTANCE
 Engineering Inspector _____ Date: _____

ENGINEER OF WORK AS-BUILT CERTIFICATE
 FIRST LAST NAME RCE 12345 EXP. 6/30/XX
 DATE: _____

APPROVED FOR CONSTRUCTION
 By: Isaac Etchamendy, City Engineer
 R.C.E.: 81294 exp.: 9/30/2025
 Date: _____

BENCH MARK
 Description: FOUND 2.5" CITY OF SAN MARCOS BRASS
 DISC STAMPED "CP-032"
 Location: _____
 Record From: _____ Record of Survey 23731
 Elev.: 604.89 [602.82] Datum: NAVD88 [NGVD29]

CITY OF SAN MARCOS

PAVEMENT REHABILITATION PLANS FOR:
RANCHO SANTA FE ROAD
PAVEMENT IMPROVEMENTS

City Drawing No. **IP23-00018**
 Sheet 15 of 27
 VMD W# 284254

LEGEND

-  COLD IN-PLACE RECYCLING (CASE I) PER DETAIL C ON SHEET 13
-  ASPHALT CONCRETE PER DETAIL A ON SHEET 13
-  COLD IN-PLACE RECYCLING (CASE II) PER DETAIL C ON SHEET 13
-  BORING ID
-  PAVEMENT CORE ID

CONSTRUCTION NOTES

- ① PROTECT IN PLACE.
- ② ADJUST TO FINISHED GRADE.
- ⑱ EXISTING SURVEY MONUMENT (CORNER, WELL, OR BENCHMARK). REFER TO NOTES ON SHEET 3.
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- ㉑ ADJUST TO FINISHED GRADE. FURNISH AND INSTALL NEW LID AND COVER FOR EXISTING BLOW OFF ASSEMBLY PER VWD STD W-1 (SBF1243).

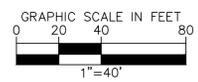
PAVEMENT CORES

CORE ID	DEPTH OF EXISTING AC PAVEMENT	DEPTH OF EXISTING BASE MATERIAL	REMARKS
B1	4"	6"	• 2 LAYERS OF PAVEMENT • R-VALUE: 63
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GENERAL NOTES

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CITY APPROVED CHANGES					
Δ NO.	DESCRIPTION	AFFECTED SHEETS	EOW APP'D	APP'D BY	DATE



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Phone: 619.234.9411 / www.kimley-horn.com



VALLECITOS WATER DISTRICT
APPROVAL OF THESE IMPROVEMENT PLANS DOES NOT COMMIT DISTRICT TO SUPPLYING WASTEWATER SERVICES TO THIS PROJECT OR GUARANTEE THAT WATER WILL BE AVAILABLE
Date: _____
JASON P. HUBBARD, P.E.
DISTRICT ENGINEER
60317 exp.: 6/30/2024
APPROVAL VALID FOR EIGHTEEN (18) MONTHS FROM DATE SIGNED

VALLECITOS WATER DISTRICT
PRESSURE ZONE: 815 HGL
WVD AS-BUILT
By: _____ NAME (ENGINEER OF WORK) Date: _____
R.C.E. NO. _____ exp.: 6/30/20XX

RECOMMENDED FOR APPROVAL
By: EMAD ELIAS, ASSOCIATE CIVIL ENGINEER
R.C.E.: 85528 exp.: 9/30/2024
Date: _____

ENGINEER OF WORK
By: MARK ARAUJO
R.C.E.: 85614 exp.: 9/30/24
Date: _____

INSPECTED AND RECOMMENDED FOR ACCEPTANCE
Engineering Inspector _____ Date _____

ENGINEER OF WORK AS-BUILT CERTIFICATE
FIRST LAST NAME RCE 12345 EXP. 6/30/XX
DATE: _____

APPROVED FOR CONSTRUCTION
By: Isaac Etchemendy, City Engineer
R.C.E.: 81294 exp.: 9/30/2025
Date: _____

BENCH MARK
Description: FOUND 2.5" CITY OF SAN MARCOS BRASS
DISC STAMPED "CP-032"
Location: _____
Record From: _____ Record of Survey 23731
Elev.: 604.89 [602.82] Datum: NAVD88 [NGVD29]

CITY OF SAN MARCOS
PAVEMENT REHABILITATION PLANS FOR:
RANCHO SANTA FE ROAD
PAVEMENT IMPROVEMENTS
City Drawing No. **IP23-00018**
Sheet 16 of 27
VWD W# 284254

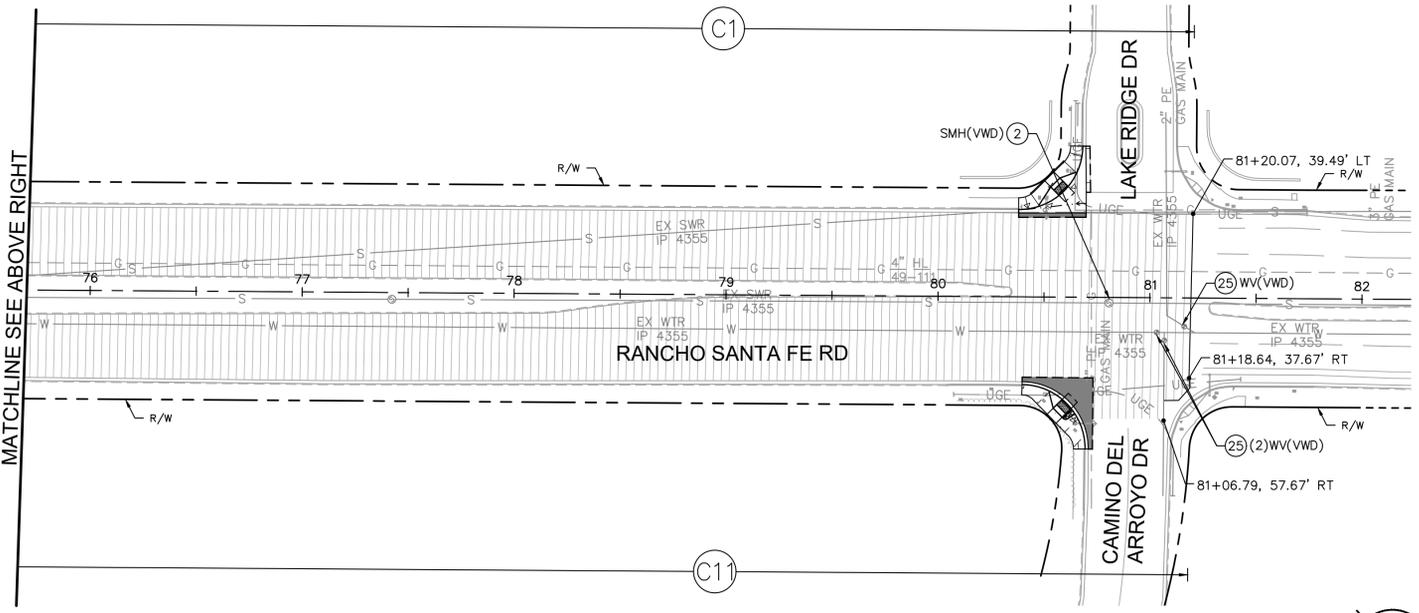
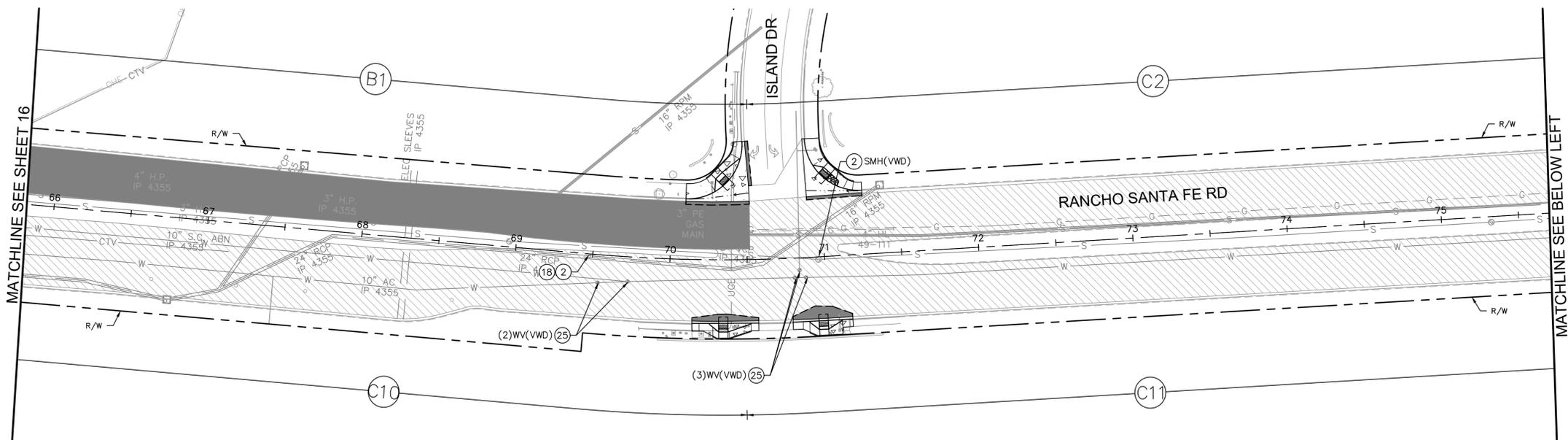
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LEGEND

-  COLD IN-PLACE RECYCLING (CASE I) PER DETAIL C ON SHEET 13
-  ASPHALT CONCRETE PER DETAIL A ON SHEET 13
-  COLD IN-PLACE RECYCLING (CASE II) PER DETAIL C ON SHEET 13
-  BORING ID
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CONSTRUCTION NOTES

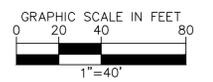
- (2) ADJUST TO FINISHED GRADE.
- (18) EXISTING SURVEY MONUMENT (CORNER, WELL, OR BENCHMARK). REFER TO NOTES ON SHEET 3.
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 Phone: 619.234.9411 / www.kimley-horn.com

VALLECITOS WATER DISTRICT
 APPROVAL OF THESE IMPROVEMENT PLANS DOES NOT COMMIT DISTRICT TO SUPPLYING WASTEWATER SERVICES TO THIS PROJECT OR GUARANTEE THAT WATER WILL BE AVAILABLE
 Date: _____
 JASON P. HUBBARD, P.E.
 DISTRICT ENGINEER
 60317 exp.: 6/30/2024
 APPROVAL VALID FOR EIGHTEEN (18) MONTHS FROM DATE SIGNED

VALLECITOS WATER DISTRICT
 PRESSURE ZONE: 815 HGL
 VWD AS-BUILT
 By: _____ Date: _____
 R.C.E. NO. _____ exp.: 6/30/20XX

CITY APPROVED CHANGES					
Δ NO.	DESCRIPTION	AFFECTED SHEETS	EOW APP'D	APP'D BY	DATE

RECOMMENDED FOR APPROVAL
 By: EMAD ELIAS, ASSOCIATE CIVIL ENGINEER
 R.C.E.: 85528 exp.: 9/30/2024
 Date: _____

APPROVED FOR CONSTRUCTION
 By: Isaac Etchamendy, City Engineer
 R.C.E.: 81294 exp.: 9/30/2025
 Date: _____

ENGINEER OF WORK
 By: MARK ARAUJO
 R.C.E.: 85614 exp.: 9/30/24
 Date: _____

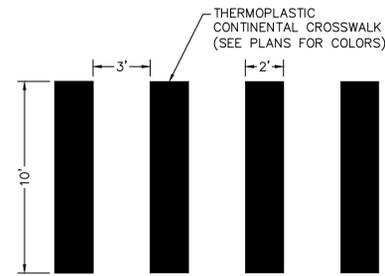
INSPECTED AND RECOMMENDED FOR ACCEPTANCE
 Engineering Inspector _____ Date: _____

ENGINEER OF WORK AS-BUILT CERTIFICATE
 FIRST LAST NAME RCE 12345 EXP. 6/30/XX
 DATE: _____

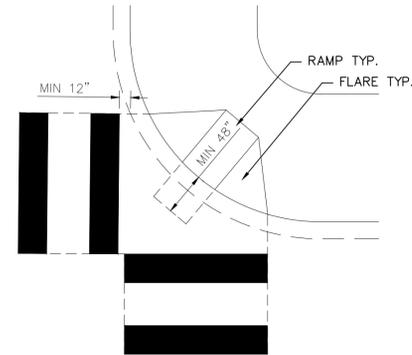
CITY OF SAN MARCOS
 PAVEMENT REHABILITATION PLANS FOR:
RANCHO SANTA FE ROAD
PAVEMENT IMPROVEMENTS

City Drawing No.
IP23-00018
 Sheet 17 of 27

Drawing name: K:\SDM\W\105524139 - Rancho Santa Fe Road\Design\Plan Sheets\824139-PAV02.dwg P:\M04 Apr. 18, 2024, 11:13:00am by: Henry Reich

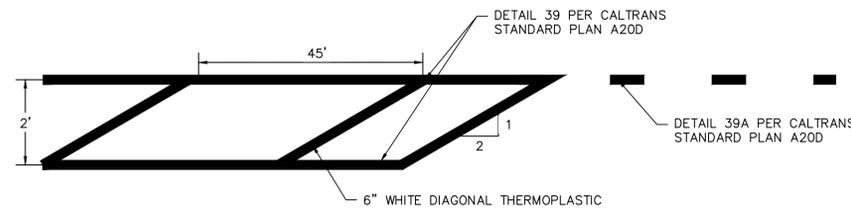


CONTINENTAL CROSSWALK DETAIL
NOT TO SCALE

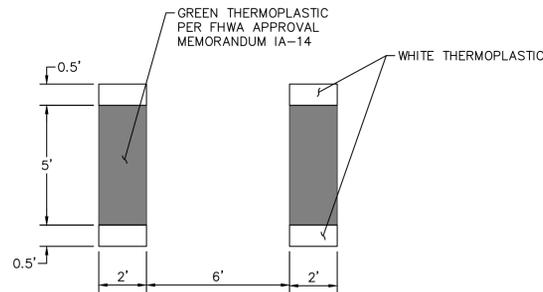


CONTINENTAL CROSSWALK LAYOUT DETAIL

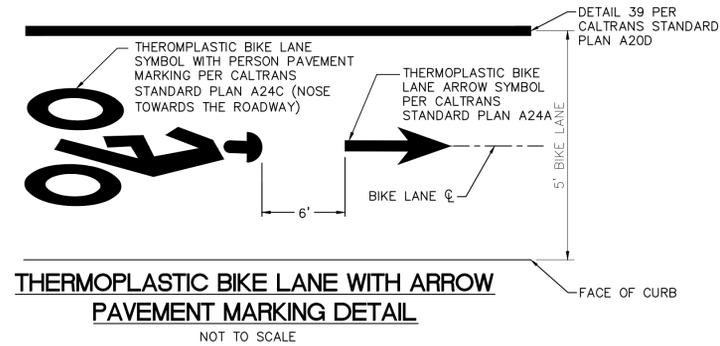
NOT TO SCALE



45 MPH TYPICAL DIAGONAL BUFFER HATCHING AND END MARKING DETAIL
NOT TO SCALE

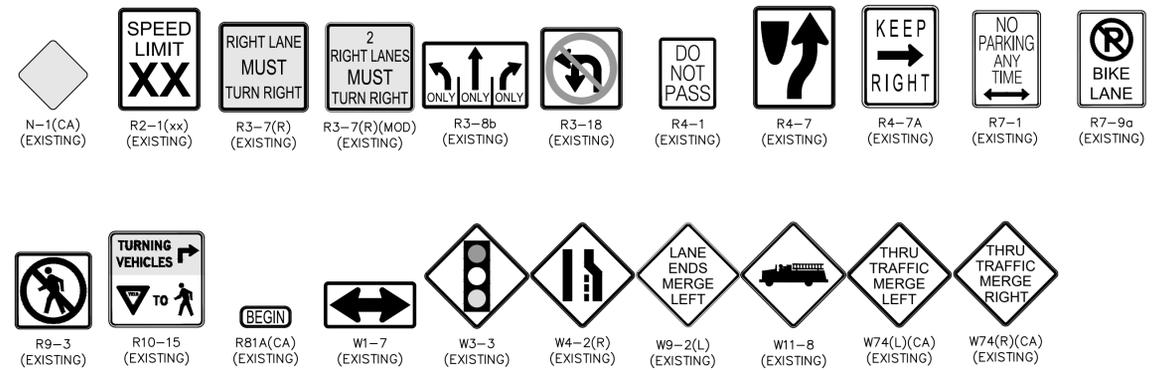


GREEN BIKE LANE CONFLICT MARKING DETAIL
NOT TO SCALE



THERMOPLASTIC BIKE LANE WITH ARROW PAVEMENT MARKING DETAIL
NOT TO SCALE

SIGN LEGEND
NOT TO SCALE



Drawing name: K:\SD\1\005524139 - Rancho Santa Fe Road\Design\Plan Sheets\824139-SM.dwg Layout1 Apr 18, 2024 11:13:05m By: Henry Rich

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Phone: 619.234.9411 / www.kimley-horn.com



VALLEJCITOS WATER DISTRICT
APPROVAL OF THESE IMPROVEMENT PLANS DOES NOT COMMIT DISTRICT TO SUPPLYING WASTEWATER SERVICES TO THIS PROJECT OR GUARANTEE THAT WATER WILL BE AVAILABLE
Date: _____
JASON P. HUBBARD, P.E.
DISTRICT ENGINEER
R.C.E.: 60317 exp.: 6/30/2024
APPROVAL VALID FOR EIGHTEEN (18) MONTHS FROM DATE SIGNED

CITY APPROVED CHANGES					
Δ NO.	DESCRIPTION	AFFECTED SHEETS	EOW APP'D	APP'D BY	DATE

RECOMMENDED FOR APPROVAL	ENGINEER OF WORK
By: EMAD ELIAS, ASSOCIATE CIVIL ENGINEER R.C.E.: 85528 exp.: 9/30/2024	By: MARK ARAUJO R.C.E.: 85614 exp.: 9/30/24
Date: _____	Date: _____

INSPECTED AND RECOMMENDED FOR ACCEPTANCE	ENGINEER OF WORK AS-BUILT CERTIFICATE
Engineering Inspector _____ Date _____	FIRST LAST NAME RCE 12345 EXP. 6/30/XX DATE: _____

VALLEJCITOS WATER DISTRICT
PRESSURE ZONE: 815 HGL
WVD AS-BUILT
By: _____ NAME (ENGINEER OF WORK) Date: _____
R.C.E. NO. _____ exp.: 6/30/20XX

APPROVED FOR CONSTRUCTION	BENCH MARK
By: Isaac Etchamendy, City Engineer R.C.E.: 81294 exp.: 9/30/2025	Description: FOUND 2.5" CITY OF SAN MARCOS BRASS DISC STAMPED "CP-032"
Date: _____	Location: _____ Record From: _____ Record of Survey 23731 Elev.: 604.89 [602.82] Datum: NAVD88 [NGVD29]

CITY OF SAN MARCOS
RANCHO SANTA FE ROAD
PAVEMENT IMPROVEMENTS
City Drawing No. IP23-00018
Sheet 18 of 27
VWD WO# 284254

LEGEND

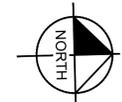
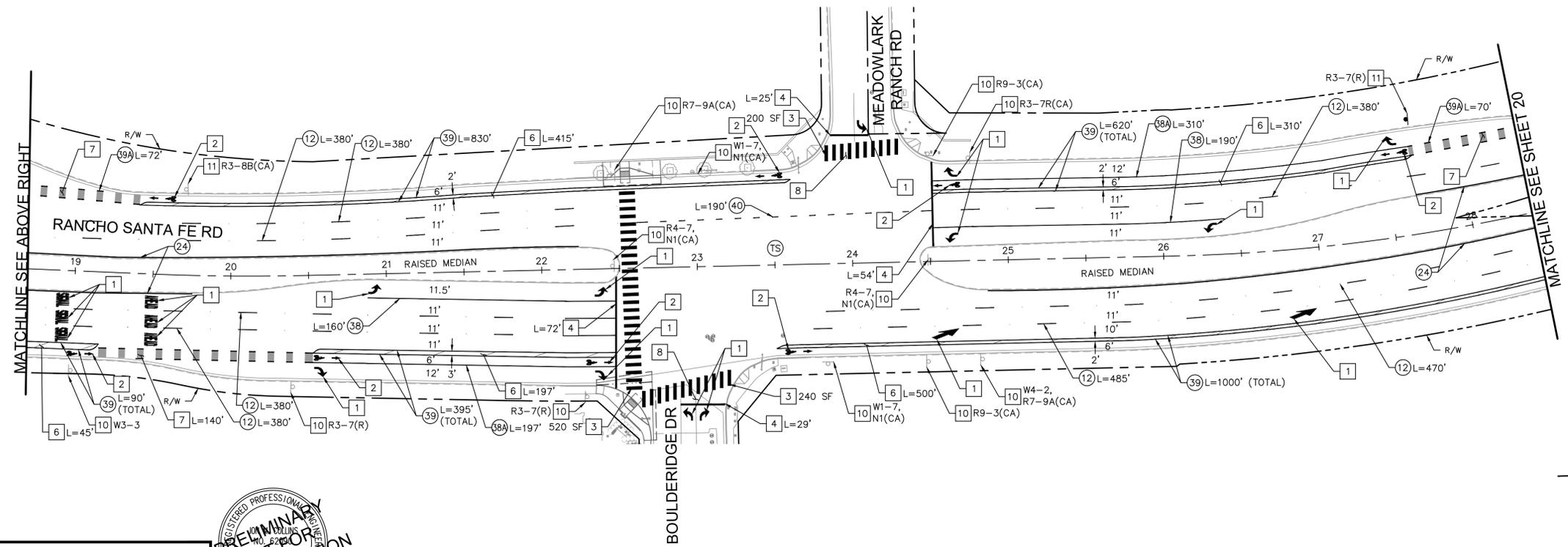
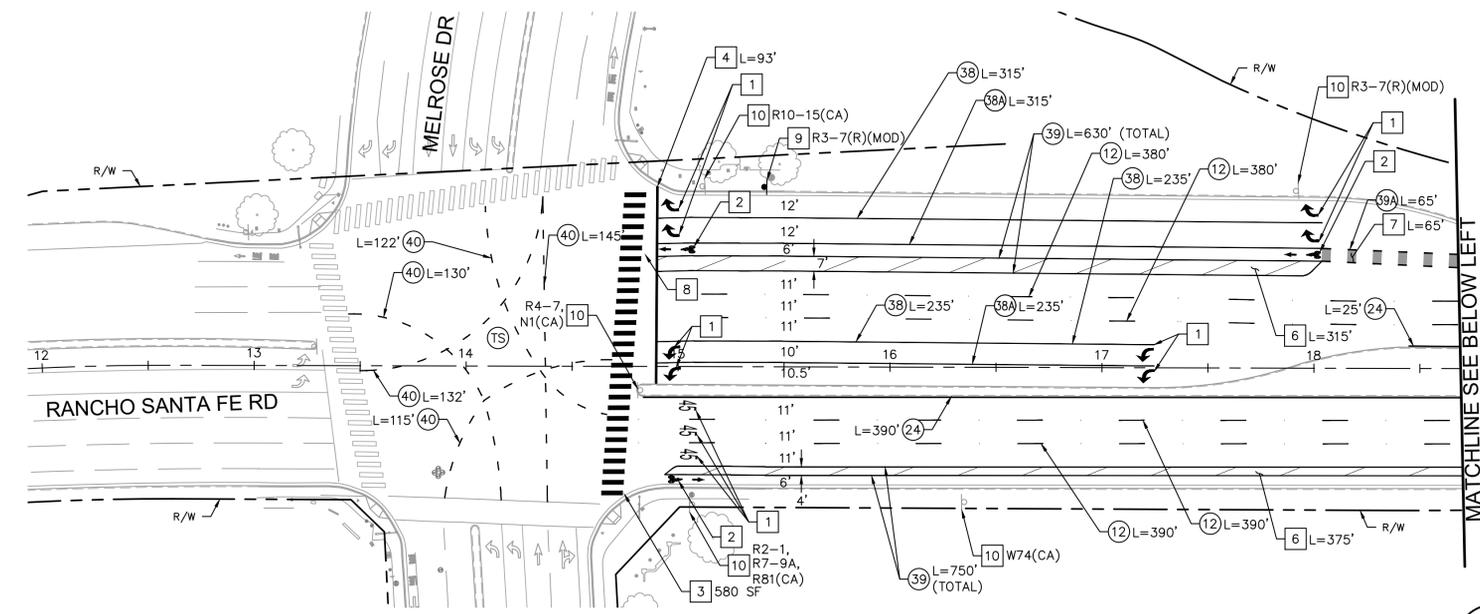
- XX' NEW LANE WIDTH OR LENGTH OF NEW STRIPING
- (XX') EXISTING LANE WIDTH
- (X) STRIPING DETAIL PER LATEST CALTRANS STANDARD PLANS
- (TS) TRAFFIC SIGNAL
- ↔ TYPE IV ARROW PER CALTRANS STANDARD PLAN A24A (THERMOPLASTIC)
- ↔ TYPE VI ARROW PER CALTRANS STANDARD PLAN A24A (THERMOPLASTIC)
- ↔ TYPE IX ARROW PER CALTRANS STANDARD PLAN A24H (THERMOPLASTIC)
- ↔ "SIGNAL" PAVEMENT MARKING PER CALTRANS STANDARD PLAN A24D (THERMOPLASTIC)
- ↔ "AHEAD" PAVEMENT MARKING PER CALTRANS STANDARD PLAN A24D (THERMOPLASTIC)
- ↔ "STOP" PAVEMENT MARKING PER CALTRANS STANDARD PLAN A24D (THERMOPLASTIC)
- ↔ BIKE LANE WITH PERSON SYMBOL PAVEMENT MARKING PER SHEET 18
- 45 NUMERAL PAVEMENT MARKINGS PER CALTRANS STANDARD PLAN A24C (THERMOPLASTIC)

MARKING NOTES

- 1 FURNISH AND INSTALL PAVEMENT MARKING PER CALTRANS STANDARD PLAN. SEE LEGEND ON THIS SHEET FOR MATERIAL.
- 2 FURNISH AND INSTALL THERMOPLASTIC PAVEMENT MARKING PER DETAIL ON SHEET 18.
- 3 INSTALL WHITE THERMOPLASTIC CONTINENTAL CROSSWALK PER DETAIL ON SHEET 18.
- 4 INSTALL 12" WHITE THERMOPLASTIC LIMIT LINE/CROSSWALK LINE PER CALTRANS STANDARD PLAN A24E. LIMIT LINE PARALLEL TO CROSSWALK SHALL BE 4' AWAY.
- 6 FURNISH AND INSTALL DIAGONAL BUFFER HATCHING SPACED AT 45° PER DETAIL ON SHEET 18.
- 7 FURNISH AND INSTALL GREEN BIKE LANE CONFLICT MARKING PER DETAIL ON SHEET 18.
- 8 REMOVE CONFLICTING STRIPING OR PAVEMENT MARKING BY SANDBLASTING AND/OR GRINDING.
- 9 FURNISH AND INSTALL NEW SIGN(S) ON BREAK-AWAY POST.
- 10 EXISTING SIGN AND POST TO REMAIN.
- 11 REMOVE EXISTING SIGN(S) AND POST.

STRIPING DETAILS

- 12 INSTALL LANE LINE PATTERN (DETAIL 12) PER CALTRANS STANDARD PLAN A20A.
- 24 INSTALL LEFT EDGELINE PATTERN (DETAIL 24) PER CALTRANS STANDARD PLAN A20B.
- 38 INSTALL WHITE CHANNELIZING LINE PATTERN (DETAIL 38) PER CALTRANS STANDARD PLAN A20D.
- 38A INSTALL WHITE CHANNELIZING LINE PATTERN (DETAIL 38A) PER CALTRANS STANDARD PLAN A20D.
- 39 INSTALL BIKE LANE LINE PATTERN (DETAIL 39) PER CALTRANS STANDARD PLAN A20D.
- 39A INSTALL INTERSECTION LINE BIKE LANE PATTERN (DETAIL 39A) PER CALTRANS STANDARD PLAN A20D.
- 40 INSTALL LANE LINE EXTENSION THROUGH INTERSECTION PATTERN (DETAIL 40) PER CALTRANS STANDARD PLAN A20D.



Drawing name: K:\SDO\W\05524139 - Rancho Santa Fe Road\Design\Plan Sheets\24139-SMD.dwg Date: Apr 18, 2024 11:53am By: Henry Reich

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 Phone: 619.234.9411 / www.kimley-horn.com

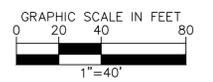


VALLECITOS WATER DISTRICT
 APPROVAL OF THESE IMPROVEMENT PLANS DOES NOT COMMIT DISTRICT TO SUPPLYING WASTEWATER SERVICES TO THIS PROJECT OR GUARANTEE THAT WATER WILL BE AVAILABLE
 Date: _____
 JASON P. HUBBARD, P.E.
 DISTRICT ENGINEER
 No. 60317 exp.: 6/30/2024
 APPROVAL VALID FOR EIGHTEEN (18) MONTHS FROM DATE SIGNED

VALLECITOS WATER DISTRICT
 PRESSURE ZONE: .815 HGL
 VWD AS-BUILT
 By: _____ Date: _____
 R.C.E. NO. _____ exp.: 6/30/20XX

CITY APPROVED CHANGES

Δ NO.	DESCRIPTION	AFFECTED SHEETS	EOW APP'D	APP'D BY	DATE



RECOMMENDED FOR APPROVAL
 By: EMAD ELIAS, ASSOCIATE CIVIL ENGINEER
 R.C.E.: 85528 exp.: 9/30/2024
 Date: _____
ENGINEER OF WORK
 By: MARK ARAUJO
 R.C.E.: 85614 exp.: 9/30/24
 Date: _____

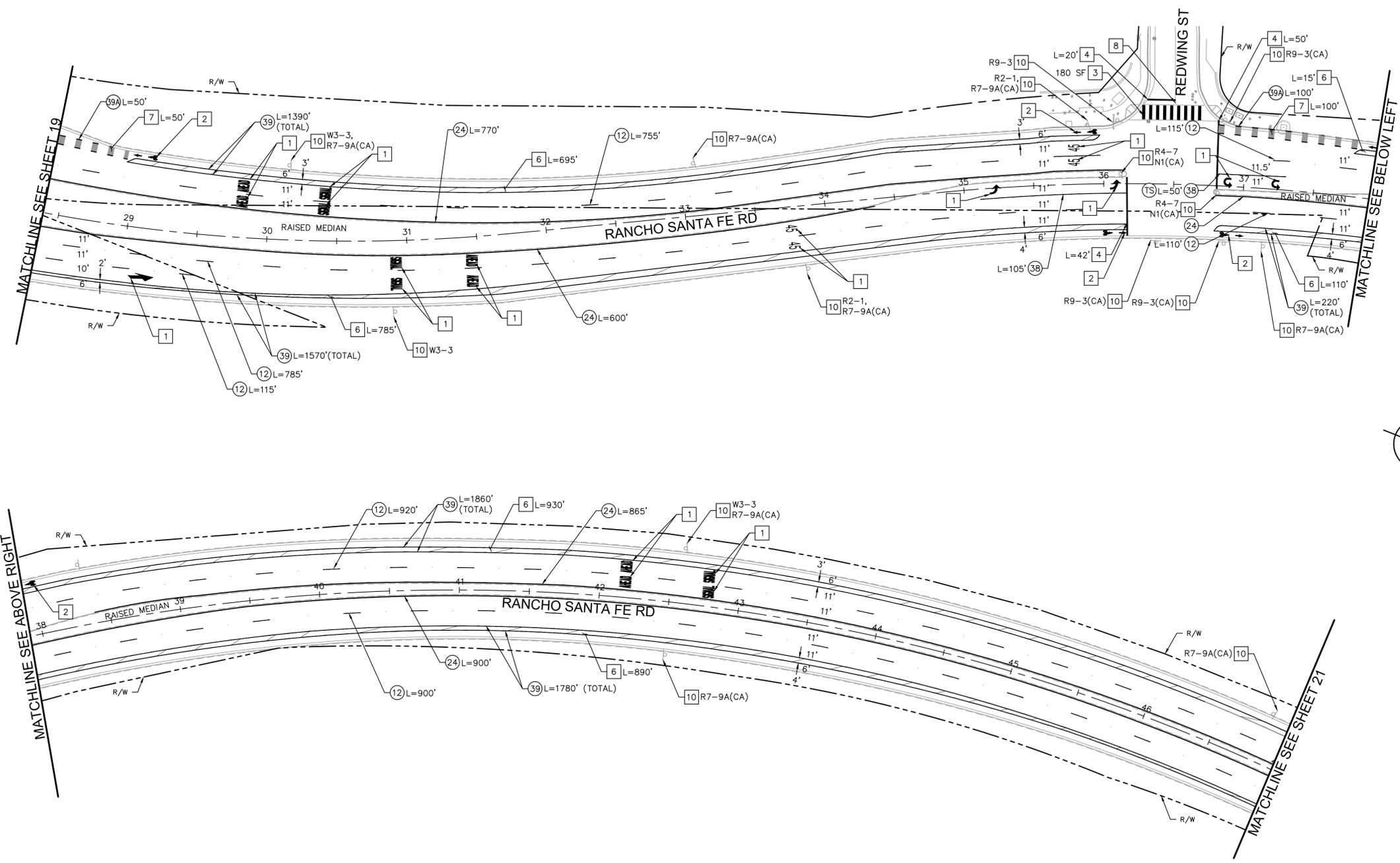
INSPECTED AND RECOMMENDED FOR ACCEPTANCE
 Engineering Inspector _____ Date: _____

ENGINEER OF WORK AS-BUILT CERTIFICATE
 FIRST LAST NAME RCE 12345 EXP. 6/30/XX
 DATE: _____

APPROVED FOR CONSTRUCTION
 By: Isaac Etchamendy, City Engineer
 R.C.E.: 81294 exp.: 9/30/2025
 Date: _____
BENCH MARK
 Description: FOUND 2.5" CITY OF SAN MARCOS BRASS
 DISC STAMPED "CP-032"
 Location: _____
 Record From: Record of Survey 23731
 Elev.: 604.89 [602.82] Datum: NAVD88 [NGVD29]

CITY OF SAN MARCOS
 SIGNING AND MARKING PLANS FOR:
RANCHO SANTA FE ROAD
PAVEMENT IMPROVEMENTS
 City Drawing No. **IP23-00018**
 Sheet 19 of 27
 VWD WO# 284254

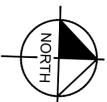
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LEGEND

XX'	NEW LANE WIDTH OR LENGTH OF NEW STRIPING
(XX')	EXISTING LANE WIDTH
(X)	STRIPING DETAIL PER LATEST CALTRANS STANDARD PLANS
(TS)	TRAFFIC SIGNAL
↖	TYPE IV ARROW PER CALTRANS STANDARD PLAN A24A (THERMOPLASTIC)
↗	TYPE VI ARROW PER CALTRANS STANDARD PLAN A24A (THERMOPLASTIC)
↘	TYPE IX ARROW PER CALTRANS STANDARD PLAN A24H (THERMOPLASTIC)
⊞	"SIGNAL" PAVEMENT MARKING PER CALTRANS STANDARD PLAN A24D (THERMOPLASTIC)
⊞	"AHEAD" PAVEMENT MARKING PER CALTRANS STANDARD PLAN A24D (THERMOPLASTIC)
⊞	"STOP" PAVEMENT MARKING PER CALTRANS STANDARD PLAN A24D (THERMOPLASTIC)
↩	BIKE LANE WITH PERSON SYMBOL PAVEMENT MARKING PER SHEET 18
45	NUMERAL PAVEMENT MARKINGS PER CALTRANS STANDARD PLAN A24C (THERMOPLASTIC)

- MARKING NOTES**
- 1 FURNISH AND INSTALL PAVEMENT MARKING PER CALTRANS STANDARD PLAN. SEE LEGEND ON THIS SHEET FOR MATERIAL.
 - 2 FURNISH AND INSTALL THERMOPLASTIC PAVEMENT MARKING PER DETAIL ON SHEET 18.
 - 3 INSTALL WHITE THERMOPLASTIC CONTINENTAL CROSSWALK PER DETAIL ON SHEET 18.
 - 4 INSTALL 12" WHITE THERMOPLASTIC LIMIT LINE/CROSSWALK LINE PER CALTRANS STANDARD PLAN A24E. LIMIT LINE PARALLEL TO CROSSWALK SHALL BE 4' AWAY.
 - 6 FURNISH AND INSTALL DIAGONAL BUFFER HATCHING SPACED AT 45' PER DETAIL ON SHEET 18.
 - 7 FURNISH AND INSTALL GREEN BIKE LANE CONFLICT MARKING PER DETAIL ON SHEET 18.
 - 8 REMOVE CONFLICTING STRIPING OR PAVEMENT MARKING BY SANDBLASTING AND/OR GRINDING.
 - 10 EXISTING SIGN AND POST TO REMAIN.
- STRIPING DETAILS**
- 12 INSTALL LANE LINE PATTERN (DETAIL 12) PER CALTRANS STANDARD PLAN A20A.
 - 24 INSTALL LEFT EDGELINE PATTERN (DETAIL 24) PER CALTRANS STANDARD PLAN A20B.
 - 38 INSTALL WHITE CHANNELIZING LINE PATTERN (DETAIL 38) PER CALTRANS STANDARD PLAN A20D.
 - 39 INSTALL BIKE LANE LINE PATTERN (DETAIL 39) PER CALTRANS STANDARD PLAN A20D.
 - 39A INSTALL INTERSECTION LINE BIKE LANE PATTERN (DETAIL 39A) PER CALTRANS STANDARD PLAN A20D.

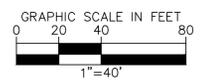


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 Phone: 619.234.9411 / www.kimley-horn.com



VALLECITOS WATER DISTRICT
 APPROVAL OF THESE IMPROVEMENT PLANS DOES NOT COMMIT DISTRICT TO SUPPLYING WASTEWATER SERVICES TO THIS PROJECT OR GUARANTEE THAT WATER WILL BE AVAILABLE
 Date: _____
 JASON P. HUBBARD, P.E.
 DISTRICT ENGINEER
 No. 60317 exp.: 6/30/2024
 APPROVAL VALID FOR EIGHTEEN (18) MONTHS FROM DATE SIGNED

CITY APPROVED CHANGES					
Δ NO.	DESCRIPTION	AFFECTED SHEETS	EOW APP'D	APP'D BY	DATE



RECOMMENDED FOR APPROVAL
 By: EMAD ELIAS, ASSOCIATE CIVIL ENGINEER
 R.C.E.: 85528 exp.: 9/30/2024
 Date: _____

ENGINEER OF WORK
 By: MARK ARAUJO
 R.C.E.: 85614 exp.: 9/30/24
 Date: _____

INSPECTED AND RECOMMENDED FOR ACCEPTANCE
 Engineering Inspector _____ Date _____

ENGINEER OF WORK AS-BUILT CERTIFICATE
 FIRST LAST NAME RCE 12345 EXP. 6/30/XX
 DATE: _____

VALLECITOS WATER DISTRICT
 PRESSURE ZONE: .815 HGL
 By: _____ Date: _____
 R.C.E. NO. _____ exp.: 6/30/20XX

VWD AS-BUILT
 NAME (ENGINEER OF WORK)
 R.C.E. NO. _____ exp.: 6/30/20XX

APPROVED FOR CONSTRUCTION
 By: Isaac Etchamendy, City Engineer
 R.C.E.: 81294 exp.: 9/30/2025
 Date: _____

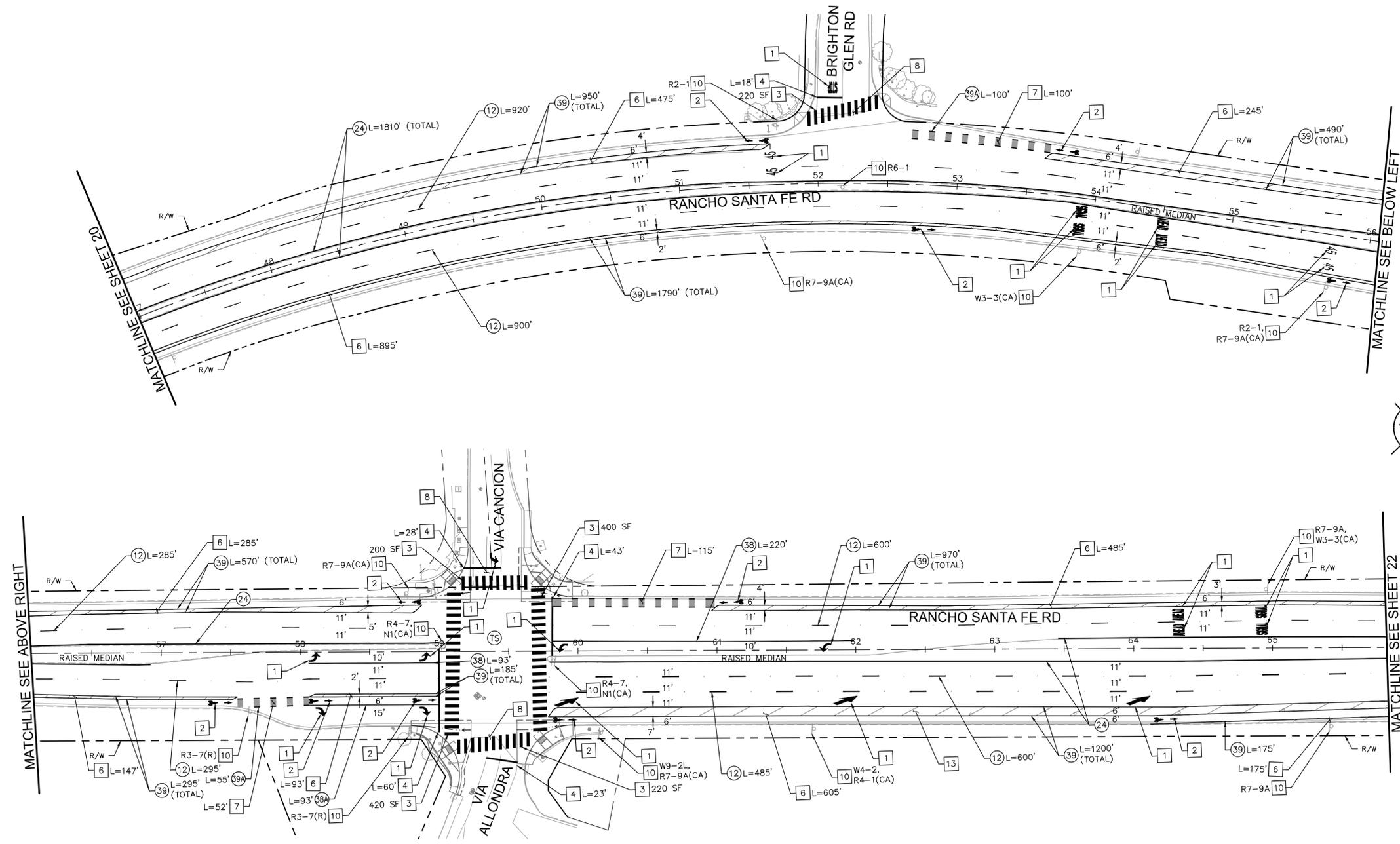
BENCH MARK
 Description: FOUND 2.5" CITY OF SAN MARCOS BRASS
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CITY OF SAN MARCOS
 SIGNING AND MARKING PLANS FOR:
RANCHO SANTA FE ROAD
PAVEMENT IMPROVEMENTS
 City Drawing No. **IP23-00018**
 Sheet 20 of 27

- LEGEND**
- XX' NEW LANE WIDTH OR LENGTH OF NEW STRIPING
 - (XX') EXISTING LANE WIDTH
 - (X) STRIPING DETAIL PER LATEST CALTRANS STANDARD PLANS
 - (TS) TRAFFIC SIGNAL
 - ↖ TYPE IV ARROW PER CALTRANS STANDARD PLAN A24A (THERMOPLASTIC)
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 - "SIGNAL" PAVEMENT MARKING PER CALTRANS STANDARD PLAN A24D (THERMOPLASTIC)
 - "AHEAD" PAVEMENT MARKING PER CALTRANS STANDARD PLAN A24D (THERMOPLASTIC)
 - "STOP" PAVEMENT MARKING PER CALTRANS STANDARD PLAN A24D (THERMOPLASTIC)
 - BIKE LANE WITH PERSON SYMBOL PAVEMENT MARKING PER SHEET 18
 - 45 NUMERAL PAVEMENT MARKINGS PER CALTRANS STANDARD PLAN A24C (THERMOPLASTIC)

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 - 7 FURNISH AND INSTALL GREEN BIKE LANE CONFLICT MARKING PER DETAIL ON SHEET 18.
 - 8 REMOVE CONFLICTING STRIPING OR PAVEMENT MARKING BY SANDBLASTING AND/OR GRINDING.
 - 10 EXISTING SIGN AND POST TO REMAIN.
 - 13 REMOVE EXISTING BIKE DELINEATORS.

- STRIPING DETAILS**
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Drawing name: K:\SDO_MW\1055624139 - Rancho Santa Fe Road\Design\Plan Sheets\624139-SM02.dwg 3M03 Apr 18, 2024 11:35am By: Henry Reich

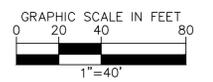
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 Phone: 619.234.9411 / www.kimley-horn.com



VALLECITOS WATER DISTRICT
 APPROVAL OF THESE IMPROVEMENT PLANS DOES NOT COMMIT DISTRICT TO SUPPLYING WASTEWATER SERVICES TO THIS PROJECT OR GUARANTEE THAT WATER WILL BE AVAILABLE
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 JASON P. HUBBARD, P.E.
 DISTRICT ENGINEER
 No. 60317 exp.: 6/30/2024
 APPROVAL VALID FOR EIGHTEEN (18) MONTHS FROM DATE SIGNED

VALLECITOS WATER DISTRICT
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 VWD AS-BUILT
 By: _____ NAME (ENGINEER OF WORK) Date: _____
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Δ NO.	DESCRIPTION	AFFECTED SHEETS	EOW APP'D	APP'D BY	DATE



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ENGINEER OF WORK
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CITY OF SAN MARCOS
 SIGNING AND MARKING PLANS FOR:
RANCHO SANTA FE ROAD
PAVEMENT IMPROVEMENTS
 City Drawing No. **IP23-00018**
 Sheet 21 of 27
 VWD WO# 284254

LEGEND

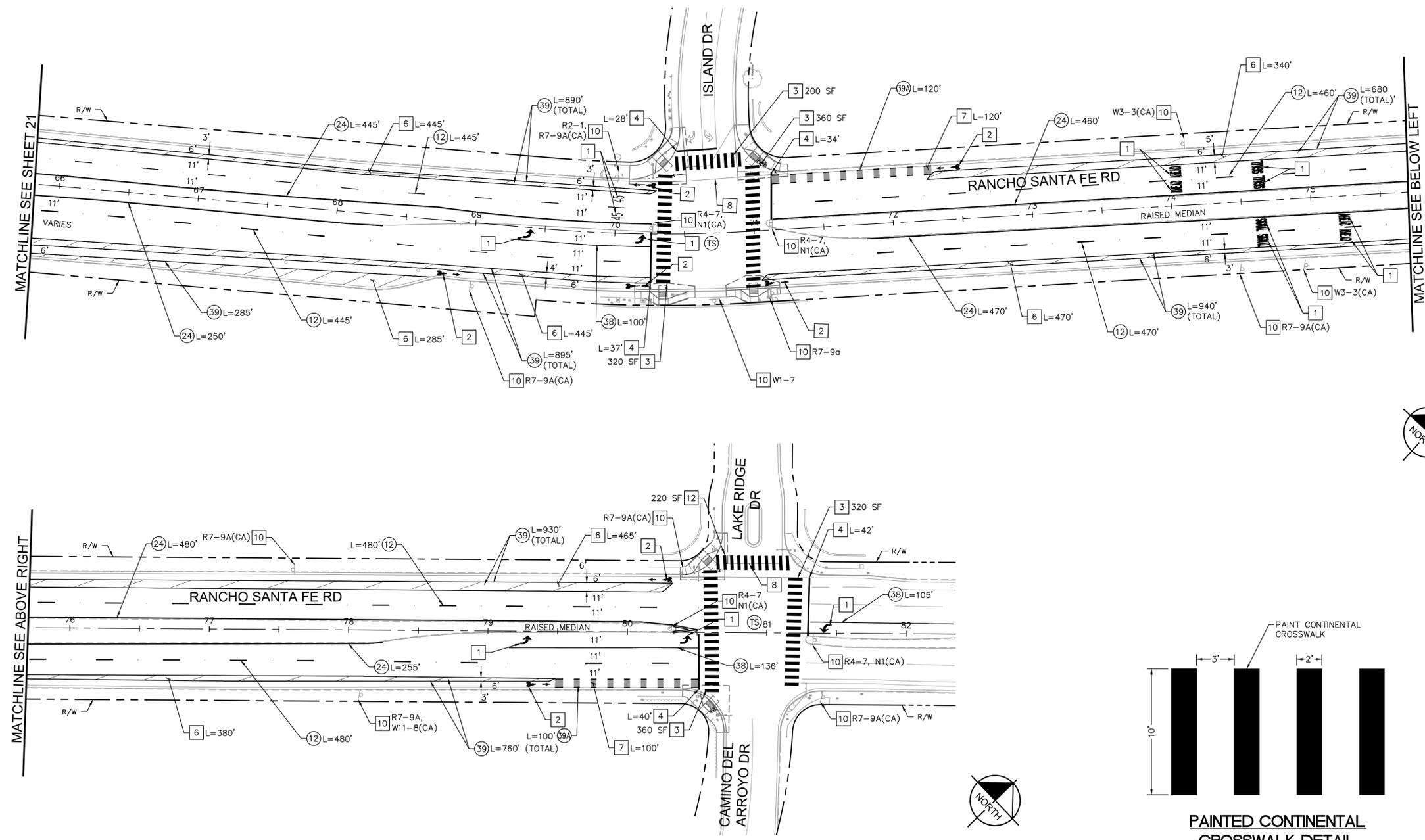
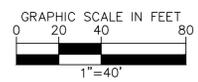
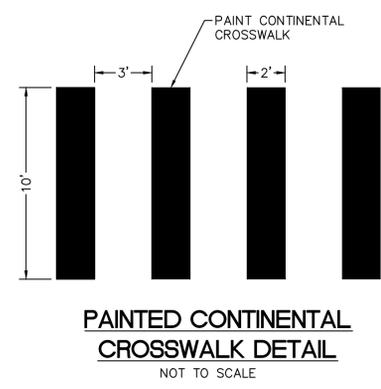
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- 10 EXISTING SIGN AND POST TO REMAIN.
- 12 INSTALL PAINTED WHITE CONTINENTAL CROSSWALK PER DETAIL ON THIS SHEET.

STRIPING DETAILS

- 12 INSTALL LANE LINE PATTERN (DETAIL 12) PER CALTRANS STANDARD PLAN A20A.
- 24 INSTALL LEFT EDGELINE PATTERN (DETAIL 24) PER CALTRANS STANDARD PLAN A20B.
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VALLECITOS WATER DISTRICT
 APPROVAL OF THESE IMPROVEMENT PLANS DOES NOT COMMIT DISTRICT TO SUPPLYING WASTEWATER SERVICES TO THIS PROJECT OR GUARANTEE THAT WATER WILL BE AVAILABLE
 Date: _____
 JASON P. HUBBARD, P.E.
 DISTRICT ENGINEER
 No. 60317 exp.: 6/30/2024
 APPROVAL VALID FOR EIGHTEEN (18) MONTHS FROM DATE SIGNED

VALLECITOS WATER DISTRICT
 WVD AS-BUILT
 By: _____ Date: _____
 NAME (ENGINEER OF WORK)
 R.C.E. NO. _____ exp.: 6/30/20XX

CITY APPROVED CHANGES					
Δ NO.	DESCRIPTION	AFFECTED SHEETS	EOW APP'D	APP'D BY	DATE

RECOMMENDED FOR APPROVAL
 By: EMAD ELIAS, ASSOCIATE CIVIL ENGINEER
 R.C.E.: 85528 exp.: 9/30/2024
 Date: _____

APPROVED FOR CONSTRUCTION
 By: Isaac Etchamendy, City Engineer
 R.C.E.: 81294 exp.: 9/30/2025
 Date: _____

ENGINEER OF WORK
 By: MARK ARAUJO
 R.C.E.: 85614 exp.: 9/30/24
 Date: _____

BENCH MARK
 Description: FOUND 2.5" CITY OF SAN MARCOS BRASS
 DISC STAMPED "CP-032"
 Location: _____
 Record From: Record of Survey 23731
 Elev.: 604.89 [602.82] Datum: NAVD88 [NGVD29]

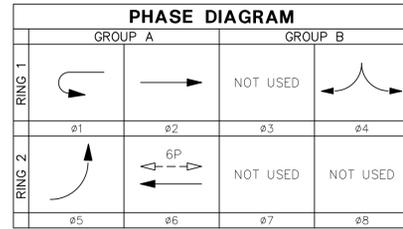
INSPECTED AND RECOMMENDED FOR ACCEPTANCE
 Engineering Inspector _____ Date: _____
 ENGINEER OF WORK AS-BUILT CERTIFICATE
 FIRST LAST NAME RCE 12345 EXP. 6/30/XX
 DATE: _____

CITY OF SAN MARCOS
 SIGNING AND MARKING PLANS FOR:
RANCHO SANTA FE ROAD
PAVEMENT IMPROVEMENTS
 City Drawing No. **IP23-00018**
 Sheet 22 of 27

Drawing name: K:\SD\U\W\105524139 - Rancho Santa Fe Road\Design\Plan Sheets\824139-SM02.dwg 3M04 Apr 18, 2024 11:35am By: Henry Reich

POLE SCHEDULE												
NO.	TYPE	STANDARD			LUMINARE	PLACEMENT		VEH. SIGNAL	MTG	PED. SIGNAL	PEDESTRIAN	REMARKS
		HGT.	SIG. M.A.	F. DIST.		A	B					
(A)	TYPE 15	30'	-	-	180W	EX.	EX.	-	SV-1-T	SP-1-T	-	3
(B)	29-5-80	30'	40'	-	180W	EX.	EX.	2-MAS	SV-2-T	-	-	Redwing Street
(C)	19-4-80	30'	20'	-	180W	EX.	EX.	1-MAS-4B	SV-2-T	-	-	Rancho Santa Fe Rd
(D)	29-5-80	30'	45'	-	180W	EX.	EX.	2-MAS	SV-1-T	SP-1-T	Ø6 3	Redwing Street
(E)	PPBA	47"	-	-	-	17.7"	11.1"	-	-	-	Ø6 3	5

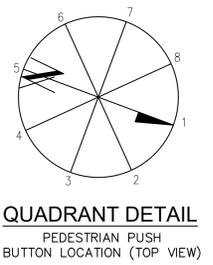
BOLD INDICATES NEW EQUIPMENT.
 POLES (A), (B), (C), AND (D) AND ALL ATTACHED EQUIPMENT ARE EXISTING AND SHALL BE PROTECTED IN PLACE UNLESS NOTED OTHERWISE.



TRAFFIC SIGNAL CONSTRUCTION NOTES

- FURNISH AND INSTALL 6" DIAMETER TYPE E VEHICLE DETECTOR LOOP PER CALTRANS RSP ES-5B. LIMIT LINE LOOPS SHALL BE MODIFIED TYPE "E" LOOPS PER CITY OF SAN DIEGO DRAWING SDE-104. SEE DETAIL ON THIS SHEET.
- FURNISH AND INSTALL 4' X 6' TYPE Q BIKE DETECTOR LOOP CENTERED IN BIKE LANE PER CALTRANS RSP ES-5B. SEE DETAIL ON THIS SHEET.
- REMOVE AND SALVAGE EXISTING PEDESTRIAN PUSH BUTTON(S). FILL/WELD ANY HOLES LEFT IN STANDARD WITH CENTRAL GALVANIZED STEEL FASTENER, IF NECESSARY.
- FURNISH AND INSTALL NEW POLARIZING 2-WIRE AUDIBLE ADA TYPE PEDESTRIAN PUSH BUTTON(S) WITH R10-3e(CA) SIGN.
- FURNISH AND INSTALL TYPE 5 PULLBOX. CONTRACTOR TO CONNECT TO EXISTING PULLBOX WITH CONDUIT SIZE AS INDICATED BY PLANS AND TO REPLACE IMPACTED SIDEWALK PANELS FROM END TO END.
- FURNISH AND INSTALL 6" DIAMETER TYPE E VEHICLE DETECTOR LOOP PER CALTRANS RSP ES-5B. LOOPS SHALL BE USED FOR SPEED AND VEHICLE COUNTS.
- PROTECT IN PLACE EVPE.
- CONTRACTOR TO REMOVE AND SALVAGE EXISTING VIDEO DETECTION CAMERA.
- INSTALL CONDUIT INTO EXISTING PULL BOX.

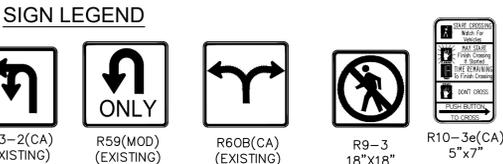
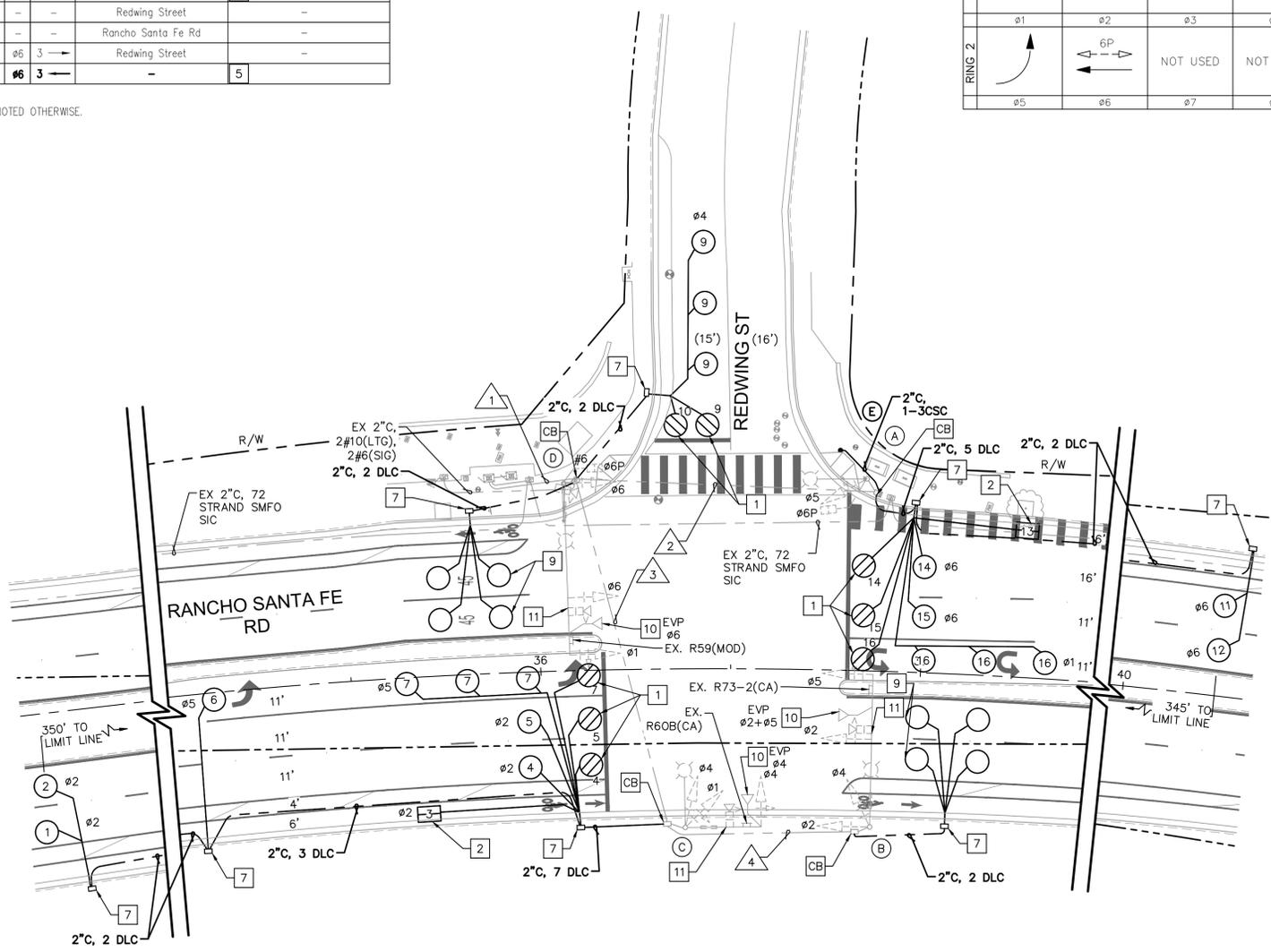
CONDUCTOR TABLE						
AWG SIZE OR CABLE TYPE	PHASE	POLE OR CIRCUIT	CONDUIT SIZE & RUN			
			EX 2-3"	EX 3"	EX 3"	EX 3"
3	CONDUCTOR	POLE - A	-	-	-	-
		POLE - B	-	-	-	-
		POLE - C	-	-	-	-
		POLE - D	-	-	-	-
		POLE - E	-	-	-	-
TOTAL CABLES 3 CONDUCTOR/12 CONDUCTOR			2	4	1	2
NO 10 SAFETY LIGHTING			-	2	2	2
NO 10 GROUND			2	1	1	1
NO 6 120V SERVICE			-	-	-	-
TYPE "b"	DLC	1 LOOP DETECTOR	1	1	-	-
		2 " " "	5	-	5	-
		3 " " "	-	-	-	-
		4 " " "	2	-	-	-
		5 " " "	2	-	2	-
		6 " " "	4	4	-	-
		7 " " "	-	-	-	-
		8 " " "	-	-	-	-
SPEED & COUNTS LOOP			4	-	2	2
TOTAL DLC			18	5	9	2
VIDEO CAMERA POWER AND COAXIAL CABLE			-	-	-	-
EMERGENCY VEHICLE DETECTOR			3	-	2	1
PERCENT FILL			22%	13%	22%	9%



BOLD INDICATES NEW EQUIPMENT. INSTALL ALL NEW WIRE/CABLE AS INDICATED.

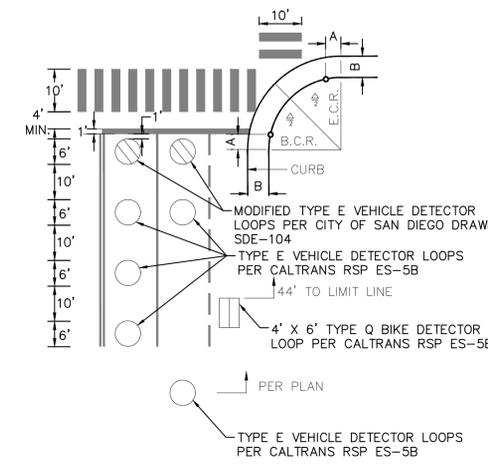
DETECTOR ASSIGNMENT			
DETECTOR	PHASE	SLOT	FIELD TERMINAL
1	2	I2U	T2-5&6
2	2	I2L	T2-7&8
3	2	I3U	T2-9&10
4	2	I3L	T2-11&12
5	2	I4U	T4-1&2
6	5	J1L	T3-1&2
7	5	J1L	T3-3&4
8	4	I6U	T4-9&10
9	4	I8U	T6-5&6
10	4	I8L	T6-7&8
11	6	J2U	T3-5&6
12	6	J2L	T3-7&8
13	6	J3U	T3-9&10
14	6	J3L	T3-11&12
15	6	J4U	T5-1&2
16	1	I1U	T2-1&2
PPB	6	I13U	T8-7 & COM 9
EVP	2,4,5	I12U	T9-4 & COM 6
EVP	4	I13U	T9-7 & COM 9
EVP	6	I12L	T9-5 & COM 6
FLASH SENSE	I14U	T8-10 & COM 9	

BOLD INDICATES NEW EQUIPMENT.



LEGEND

- (XX') EXISTING LANE WIDTH
- XX' PROPOSED LANE WIDTH
- SNS STREET NAME SIGN
- EXISTING DETECTOR LOOP
- PROPOSED TYPE E DETECTOR LOOP
- ⊗ PROPOSED TYPE E MODIFIED DETECTOR LOOP
- ⊞ PROPOSED TYPE Q BICYCLE DETECTOR LOOP
- ▨ VIDEO DETECTION ZONE



Drawing name: K:\SDO_MW\105524139 - Rancho Santa Fe Road\Design\Plan Sheets\824139-1502.dwg 1502 Apr 18, 2024 11:36am by: Henry Rhee
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 Phone: 619.234.9411 / www.kimley-horn.com

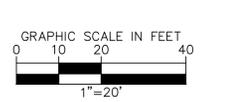
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CITY APPROVED CHANGES					
Δ NO.	DESCRIPTION	AFFECTED SHEETS	EOW APP'D	APP'D BY	DATE

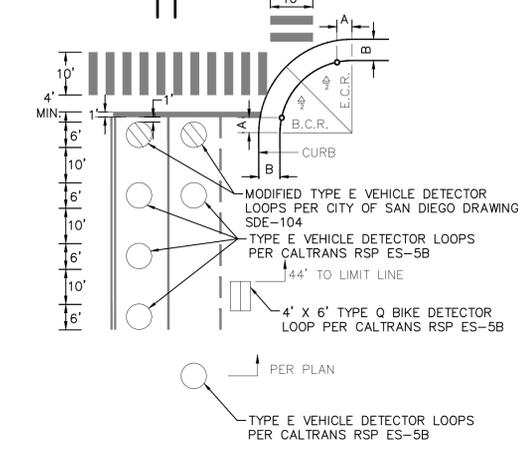
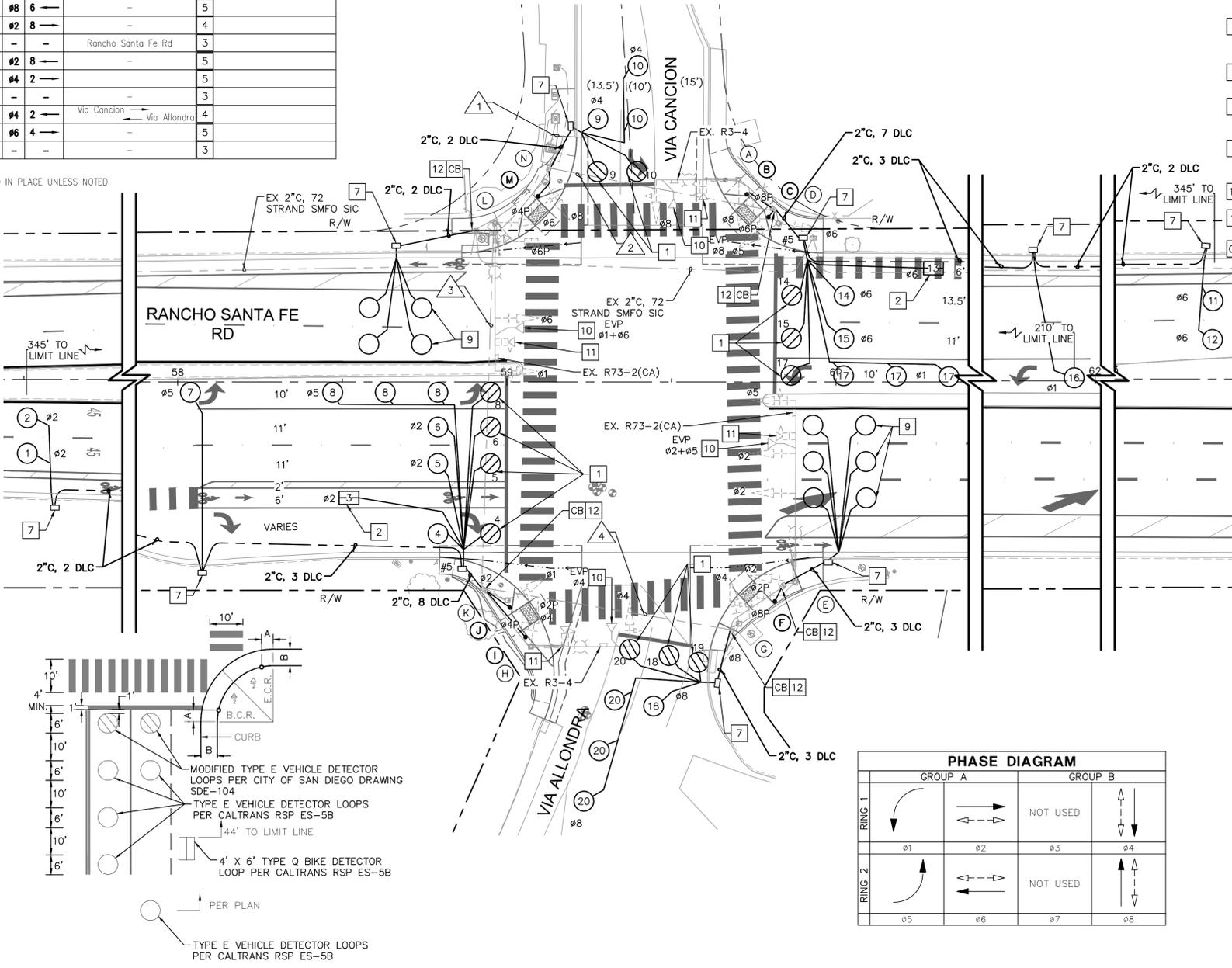
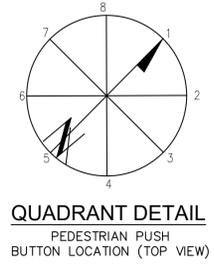


RECOMMENDED FOR APPROVAL By: EMAD ELIAS, ASSOCIATE CIVIL ENGINEER R.C.E.: 85528 exp.: 9/30/2024 Date: _____	ENGINEER OF WORK By: JON COLLINS R.C.E.: 62090 exp.: 9/30/25 Date: _____	INSPECTED AND RECOMMENDED FOR ACCEPTANCE Engineering Inspector _____ Date _____	ENGINEER OF WORK AS-BUILT CERTIFICATE FIRST LAST NAME RCE 12345 EXP. 6/30/XX DATE: _____
APPROVED FOR CONSTRUCTION By: Isaac Etchamendy, City Engineer R.C.E.: 81294 exp.: 9/30/2025 Date: _____	BENCH MARK Description: FOUND 2.5" CITY OF SAN MARCOS BRASS DISC STAMPED "CP-032" Location: _____ Record From: Record of Survey 23731 Elev.: 604.89 [602.82] Datum: NAVD88 [NGVD29]	CITY OF SAN MARCOS TRAFFIC SIGNAL MODIFICATION PLANS FOR: RANCHO SANTA FE ROAD PAVEMENT IMPROVEMENTS	
City Drawing No. IP23-00018		Sheet 24 of 27	
VWD WO# 284254			

POLE SCHEDULE															
NO.	TYPE	STANDARD			LUMINARE LED	PLACEMENT		VEH SIGNAL MAST ARM	MTG POLE	PED SIGNAL MOUNTING	PEDESTRIAN #	QUAD	STREET NAME SIGN	REMARKS	
		HGT	SIG. M.A.	F. DIST.		LUM. M.A.	A								B
(A)	19-3-80	30'	25'	-	15'	180W	EX.	EX.	1-MAS	SV-1-T	SP-1-T	-	Rancho Santa Fe Rd	3	
(B)	PPBA	4'7"	-	-	-	16.8'	11.7'	-	-	-	Ø6	4	-	5	
(C)	PPBA	4'7"	-	-	-	16.7'	10.8'	-	-	-	Ø8	6	-	5	
(D)	1-A	10'	-	-	-	EX.	EX.	-	TV-2-T	SP-1-T	-	-	-	3	
(E)	29-5-80	30'	55'	-	15'	180W	EX.	EX.	3-MAS	SV-1-T	SP-1-T	-	Via Allondra Via Cancion	3	
(F)	PPBA	4'7"	-	-	-	14.7'	13.3'	-	-	-	Ø8	6	-	5	
(G)	1-A	10'	-	-	-	EX.	EX.	-	TV-2-T	SP-1-T	Ø2	8	-	4	
(H)	19-4-80	30'	30'	-	15'	180W	EX.	EX.	1-MAS	SV-1-T	SP-1-T	-	Rancho Santa Fe Rd	3	
(I)	PPBA	4'7"	-	-	-	20.4'	15.2'	-	-	-	Ø2	8	-	5	
(J)	PPBA	4'7"	-	-	-	24.4'	15.1'	-	-	-	Ø4	2	-	5	
(K)	1-A	10'	-	-	-	EX.	EX.	-	TV-2-T	SP-1-T	-	-	-	3	
(L)	26-4-80	30'	45'	-	15'	180W	EX.	EX.	2-MAS	SV-1-T	SP-1-T	Ø4	2	Via Cancion Via Allondra	4
(M)	PPBA	4'7"	-	-	-	21.4'	11.8'	-	-	-	Ø6	4	-	5	
(N)	1-A	10'	-	-	-	EX.	EX.	-	TV-2-T	SP-1-T	-	-	-	3	

BOLD INDICATES NEW EQUIPMENT.
 POLES (A) (D) (E) (G) (H) (K) (L) AND (N) AND ALL ATTACHED EQUIPMENT ARE EXISTING AND SHALL BE PROTECTED IN PLACE UNLESS NOTED OTHERWISE.

CONDUCTOR TABLE				
AWG SIZE OR CABLE TYPE	P.H. FEET	POLE OR CIRCUIT	CONDUIT SIZE & RUN	
3	12	POLE - A	EX 2-4' EX 3' EX 3'	
		POLE - B	1 1 1	
		POLE - C	1 1 1	
		POLE - D	1 1 1	
		POLE - E	1 1 1	
		POLE - F	1 1 1	
		POLE - G	1 1 1	
		POLE - H	1 1 1	
		POLE - I	1 1 1	
		POLE - J	1 1 1	
		POLE - K	1 1 1	
		POLE - L	1 1 1	
POLE - M	1 1 1			
POLE - N	1 1 1			
TOTAL CABLES	3	CONDUCTOR/12 CONDUCTOR	8 8 2 4 2 2	
NO 6	120V SERVICE	-	-	
NO 10	SIGNAL COMMON	2 1 1 1	1 1	
NO 10	LIGHTING	- 2 2 2	2 2	
TYPE "B" DLC	1	LOOP DETECTOR	2 2 - -	
	2	"	6 - - 6 -	
	3	"	- - - -	
	4	"	3 - - -	
	5	"	2 - 2 -	
	6	"	5 5 - -	
	7	"	- - - -	
	8	"	3 - 3 3	
	SPEED & COUNTS LOOP			5 - 3 3
	TOTAL DLC			26 6 14 6
CCTV CAMERA VIDEO POWER CABLE			- - - -	
FIBER OPTIC INTERCONNECT			- - - -	
INTERCONNECT CABLE			- - - -	
EMERGENCY VEHICLE DETECTOR			4 1 2 1	
PERCENT FILL			23% 21% 21% 21%	



SIGN LEGEND



TRAFFIC SIGNAL CONSTRUCTION NOTES

- FURNISH AND INSTALL 6" DIAMETER TYPE E VEHICLE DETECTOR LOOP PER CALTRANS RSP ES-5B. LIMIT LINE LOOPS SHALL BE MODIFIED TYPE "E" LOOPS PER CITY OF SAN DIEGO DRAWING SDE-104. SEE DETAIL ON THIS SHEET.
- FURNISH AND INSTALL 4' X 6' TYPE Q BIKE DETECTOR LOOP CENTERED IN BIKE LANE PER CALTRANS RSP ES-5B. SEE DETAIL ON THIS SHEET.
- REMOVE AND SALVAGE EXISTING PEDESTRIAN PUSH BUTTON(S). FILL/WELD ANY HOLES LEFT IN STANDARD WITH CENTRAL GALVANIZED STEEL FASTENER, IF NECESSARY.
- REMOVE AND RELOCATE EXISTING PEDESTRIAN PUSH BUTTON(S). FILL/WELD ANY HOLES LEFT IN STANDARD WITH CENTRAL GALVANIZED STEEL FASTENER, IF NECESSARY.
- FURNISH AND INSTALL NEW POLARA INS 2-WIRE AUDIBLE ADA TYPE PEDESTRIAN PUSH BUTTON(S) WITH R10-3e(CA) SIGN.
- FURNISH AND INSTALL TYPE 5 PULLBOX. CONTRACTOR TO CONNECT TO EXISTING PULLBOX WITH CONDUIT SIZE AS INDICATED BY PLANS AND TO REPLACE IMPACTED SIDEWALK PANELS FROM END TO END.
- FURNISH AND INSTALL 6" DIAMETER TYPE E VEHICLE DETECTOR LOOP PER CALTRANS RSP ES-5B. LOOPS SHALL BE USED FOR SPEED AND VEHICLE COUNTS.
- PROTECT IN PLACE EVPE.
- CONTRACTOR TO REMOVE AND SALVAGE EXISTING VIDEO DETECTION CAMERA.
- INSTALL CONDUIT INTO EXISTING PULL BOX.

LEGEND

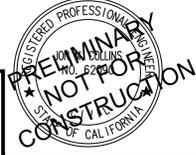
- (XX') EXISTING LANE WIDTH
- XX' PROPOSED LANE WIDTH
- SNS STREET NAME SIGN
- EXISTING DETECTOR LOOP
- PROPOSED TYPE E DETECTOR LOOP
- ⊗ PROPOSED TYPE E MODIFIED DETECTOR LOOP
- ⊞ PROPOSED TYPE Q BICYCLE DETECTOR LOOP
- ▨ VIDEO DETECTION ZONE

DETECTOR ASSIGNMENT

DETECTOR	PHASE	SLOT	FIELD TERMINAL
1	2	I2U	T2-586
2	2	I2L	T2-786
3	5	J1U	T3-182
4	2	I3U	T2-9810
5	2	I3L	T2-11812
6	2	I4U	T4-182
7	2	I4L	T4-384
8	5	J1L	T3-384
9	4	I6U	T4-9810
10	4	I8U	T6-586
11	4	I8L	T6-786
12	6	J2U	T3-586
13	6	J2L	T3-786
14	1	I1U	T2-182
15	6	J3U	T3-9810
16	6	J3L	T3-11812
17	6	J4U	T5-182
18	1	I1L	T2-182
19	8	J6U	T5-9810
20	8	J6L	T5-11812
21	8	J7U	T7-182
22	8	J7L	T7-384
PPB	2	I12U	T8-4 & COM 6
PPB	4	I12L	T8-5 & COM 6
PPB	6	I13U	T8-7 & COM 9
EVA	2+5	J12U	T9-4 & COM 6
EVB	4	J13U	T9-7 & COM 9
EVC	6	J12L	T9-5 & COM 6
EVC	8	J13L	T9-8 & COM 9
FLASH SENSE	114U	T8-10 & COM 12	

BOLD INDICATES NEW EQUIPMENT.

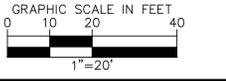
Kimley-Horn Kimley-Horn and Associates, Inc. ©2023
 401 B Street, Suite 600, San Diego, California 92101
 Phone: 619.234.9411 / www.kimley-horn.com



VALLECITOS WATER DISTRICT
 APPROVAL OF THESE IMPROVEMENT PLANS DOES NOT COMMIT DISTRICT TO SUPPLYING WASTEWATER SERVICES TO THIS PROJECT OR GUARANTEE THAT WATER WILL BE AVAILABLE.
 Date: _____
 JASON P. HUBBARD, P.E.
 DISTRICT ENGINEER
 No. 60317 exp.: 6/30/2024
 APPROVAL VALID FOR EIGHTEEN (18) MONTHS FROM DATE SIGNED

VALLECITOS WATER DISTRICT
 WVD AS-BUILT
 By: _____ Date: _____
 NAME (ENGINEER OF WORK)
 R.C.E. NO. _____ exp.: 6/30/20XX

CITY APPROVED CHANGES					
Δ NO.	DESCRIPTION	AFFECTED SHEETS	EOW APP'D	APP'D BY	DATE



RECOMMENDED FOR APPROVAL
 By: EMAD ELIAS, ASSOCIATE CIVIL ENGINEER
 R.C.E.: 85528 exp.: 9/30/2024
 Date: _____

ENGINEER OF WORK
 By: JON COLLINS
 R.C.E.: 62090 exp.: 9/30/25
 Date: _____

INSPECTED AND RECOMMENDED FOR ACCEPTANCE
 Engineering Inspector _____ Date: _____

ENGINEER OF WORK AS-BUILT CERTIFICATE
 FIRST LAST NAME RCE 12345 EXP. 6/30/XX
 DATE: _____

APPROVED FOR CONSTRUCTION
 By: Isaac Etchamendy, City Engineer
 R.C.E.: 81294 exp.: 9/30/2025
 Date: _____

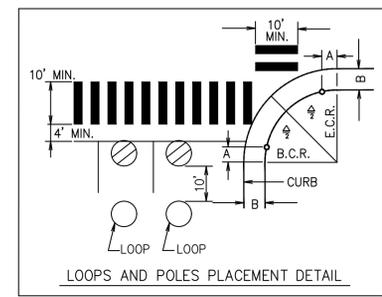
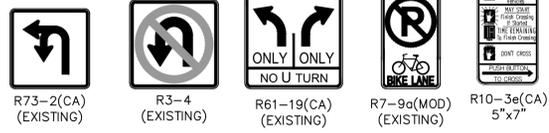
BENCH MARK
 Description: FOUND 2.5" CITY OF SAN MARCOS BRASS DISC STAMPED "CP-032"
 Location: _____
 Record From: Record of Survey 23731
 Elev.: 604.89 [602.82] Datum: NAVD88 [NGVD29]

CITY OF SAN MARCOS
 TRAFFIC SIGNAL MODIFICATION PLANS FOR:
RANCHO SANTA FE ROAD
PAVEMENT IMPROVEMENTS
 City Drawing No. **IP23-00018**
 Sheet 25 of 27
 WVD W# 284254

POLE SCHEDULE														
NO.	TYPE	STANDARD			LUMINARE	PLACEMENT		VEH SIGNAL MAST ARM	PED SIGNAL POLE	PEDESTRIAN MOUNTING	PEDESTRIAN QUAD	STREET NAME SIGN	REMARKS	
		HGT	SIG. M.A.	F. DIST.		LUM. M.A.	A							B
(A)	19-4-80	30'	30'	-	15'	180W	EX.	EX.	1-MAS	SV-1-T	SP-2-T	-	ISLAND DRIVE	3
(B)	PPBA	47'	-	-	-	17.8'	12.8'	-	-	-	-	Ø4	2	5
(C)	PPBA	47'	-	-	-	17.1'	11.5'	-	-	-	-	Ø6	4	5
(D)	1-A	10'	-	-	-	EX.	EX.	-	TV-1-T	-	-	-	-	3
(E)	PPBA	47'	-	-	-	17.2'	9.2'	-	-	-	-	Ø6	4	5
(F)	PPBA	47'	-	-	-	19.0'	10.9'	-	-	-	-	Ø4	6	5
(G)	TYPE 15	30'	-	-	15'	180W	EX.	EX.	SV-1-T	SP-2-T	-	-	-	3
(H)	26-4-80	30'	40'	-	15'	180W	EX.	EX.	2-MAS	SV-2-TA	SP-1-T	Ø4	2	ISLAND DRIVE
(I)	19-4-80	30'	25'	-	15'	180W	EX.	EX.	1-MAS	SV-1-T	SP-1-T	-	-	RANCHO SANTA FE RD.
(J)	PPBA	47'	-	-	-	-	-	-	-	-	-	Ø4	6	5

BOLD INDICATES NEW EQUIPMENT.
 POLES (A), (D), (E), (H), and (I) AND ALL ATTACHED EQUIPMENT ARE EXISTING AND SHALL BE PROTECTED IN PLACE UNLESS NOTED OTHERWISE.

SIGN LEGEND



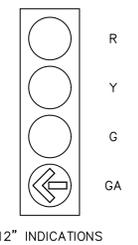
TRAFFIC SIGNAL CONSTRUCTION NOTES

- FURNISH AND INSTALL 6" DIAMETER TYPE E VEHICLE DETECTOR LOOP PER CALTRANS RSP ES-5B. LIMIT LINE LOOPS SHALL BE MODIFIED TYPE "E" LOOPS PER CITY OF SAN DIEGO DRAWING SDE-104. SEE DETAIL ON THIS SHEET.
- FURNISH AND INSTALL 4' X 6' TYPE Q BIKE DETECTOR LOOP CENTERED IN BIKE LANE PER CALTRANS RSP ES-5B. SEE DETAIL ON THIS SHEET.
- REMOVE AND SALVAGE EXISTING PEDESTRIAN PUSH BUTTON(S). FILL/WELD ANY HOLES LEFT IN STANDARD WITH CENTRAL GALVANIZED STEEL FASTENER, IF NECESSARY.
- FURNISH AND INSTALL NEW POLARIS 2-WIRE AUDIBLE ADA TYPE PEDESTRIAN PUSH BUTTON(S) WITH R10-3e(CA) SIGN.
- FURNISH AND INSTALL TYPE 5 PULLBOX. CONTRACTOR TO CONNECT TO EXISTING PULLBOX WITH CONDUIT SIZE AS INDICATED BY PLANS AND TO REPLACE IMPACTED SIDEWALK PANELS FROM END TO END.
- FURNISH AND INSTALL 6" DIAMETER TYPE E VEHICLE DETECTOR LOOP PER CALTRANS RSP ES-5B. LOOPS SHALL BE USED FOR SPEED AND VEHICLE COUNTS.
- PROTECT IN PLACE EVPE.
- CONTRACTOR TO REMOVE AND SALVAGE EXISTING VIDEO DETECTION CAMERA.
- CONTRACTOR TO BRING EXISTING PULL BOX TO FINISHED GRADE.
- ABANDON. IF APPLIED TO CONDUIT, REMOVE CONDUCTORS.
- INSTALL PULL BOX IN EXISTING CONDUIT RUN.
- INSTALL CONDUIT INTO EXISTING PULL BOX.
- EQUIPMENT OR MATERIAL TO BE REMOVED AND BECOME THE PROPERTY OF THE CONTRACTOR.

LEGEND

- (XX') EXISTING LANE WIDTH
- XX' PROPOSED LANE WIDTH
- SNS STREET NAME SIGN
- EXISTING DETECTOR LOOP
- PROPOSED TYPE E DETECTOR LOOP
- PROPOSED TYPE E MODIFIED DETECTOR LOOP
- PROPOSED TYPE Q BICYCLE DETECTOR LOOP
- ▨ VIDEO DETECTION ZONE

DETAIL "A"



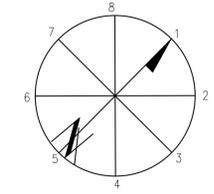
CONDUCTOR TABLE														
AWG SIZE OR CABLE TYPE	P.H.A. #	POLE OR CIRCUIT	CONDUIT SIZE & RUN											
			NEW	NEW	NEW	EX 3"	EX 3"	EX 4"						
3	12	POLE - A	1	1	1	1	1	1	1	1	1	1	1	1
		POLE - B	1	1	1	1	1	1	1	1	1	1	1	1
		POLE - C	1	1	1	1	1	1	1	1	1	1	1	1
		POLE - D	1	1	1	1	1	1	1	1	1	1	1	1
		POLE - E	1	1	1	1	1	1	1	1	1	1	1	1
		POLE - F	1	1	1	1	1	1	1	1	1	1	1	1
		POLE - G	1	1	1	1	1	1	1	1	1	1	1	1
		POLE - H	1	1	1	1	1	1	1	1	1	1	1	1
		POLE - I	1	1	1	1	1	1	1	1	1	1	1	1
		POLE - J	1	1	1	1	1	1	1	1	1	1	1	1
TOTAL CABLES 3 CONDUCTOR/12 CONDUCTOR			1	2	2	2	2	2	2	2	2	2	2	
NO 6 120V SERVICE			1	1	1	1	1	1	1	1	1	1	1	
NO 8 GROUND			1	1	1	1	1	1	1	1	1	1	1	
NO 10 LIGHTING			2	2	2	2	2	2	2	2	2	2	2	
NO 10 SIGNAL COMMON			1	1	1	1	1	1	1	1	1	1	2	
TYPE 1 LOOP DETECTOR			1	1	1	1	1	1	1	1	1	1	1	
TYPE "B" DLC			1	1	1	1	1	1	1	1	1	1	1	
DLC			4	4	4	4	4	4	4	4	4	4	4	
SPEED AND COUNT LOOP			2	2	2	2	2	2	2	2	2	2	2	
TOTAL DLC			2	6	6	6	6	6	6	6	6	6	6	
VIDEO CABLE POWER CORD AND COAXIAL CABLE			1	1	1	1	1	1	1	1	1	1	1	
FIBER OPTIC INTERCONNECT			1	1	1	1	1	1	1	1	1	1	1	
INTERCONNECT CABLE			1	1	1	1	1	1	1	1	1	1	1	
EMERGENCY VEHICLE DETECTOR			1	1	1	1	1	1	1	1	1	1	1	
PERCENT FILL			12%	22%	26%	38%	47%	34%						

BOLD INDICATES NEW EQUIPMENT. INSTALL ALL NEW WIRE/CABLE AS INDICATED.

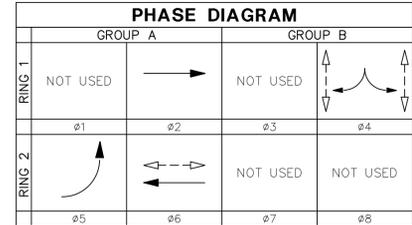
DETECTOR ASSIGNMENT

DETECTOR	PHASE	SLOT	FIELD TERMINAL
1	2	I2U	T2-5&6
2	2	I2L	T2-7&8
3	2	I3U	T2-9&10
4	2	I3L	T2-11&12
5	2	I4U	T4-1&2
6	5	J1U	T3-1&2
7	5	J1L	T3-3&4
8	4	I6U	T4-9&10
9	4	I6L	T4-11&12
10	4	I8U	T8-5&6
11	4	I8L	T8-7&8
12	6	J2U	T3-5&6
13	6	J2L	T3-7&8
14	6	J3U	T3-9&10
15	6	J3L	T3-11&12
16	6	J4U	T5-1&2
PPB	4	I12U	T8-4 & COM 6
PPB	4	I12L	T8-5 & COM 6
PPB	6	I13U	T8-7 & COM 9
PPB	6	I13L	T8-7 & COM 9
EVA	2+5	J12U	T9-4 & COM 6
EVB	4	J13U	T9-7 & COM 9
EVC	6	J12L	T9-5 & COM 6
FLASH SENSE		I14U	T8-10 & COM 12

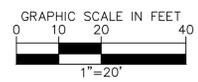
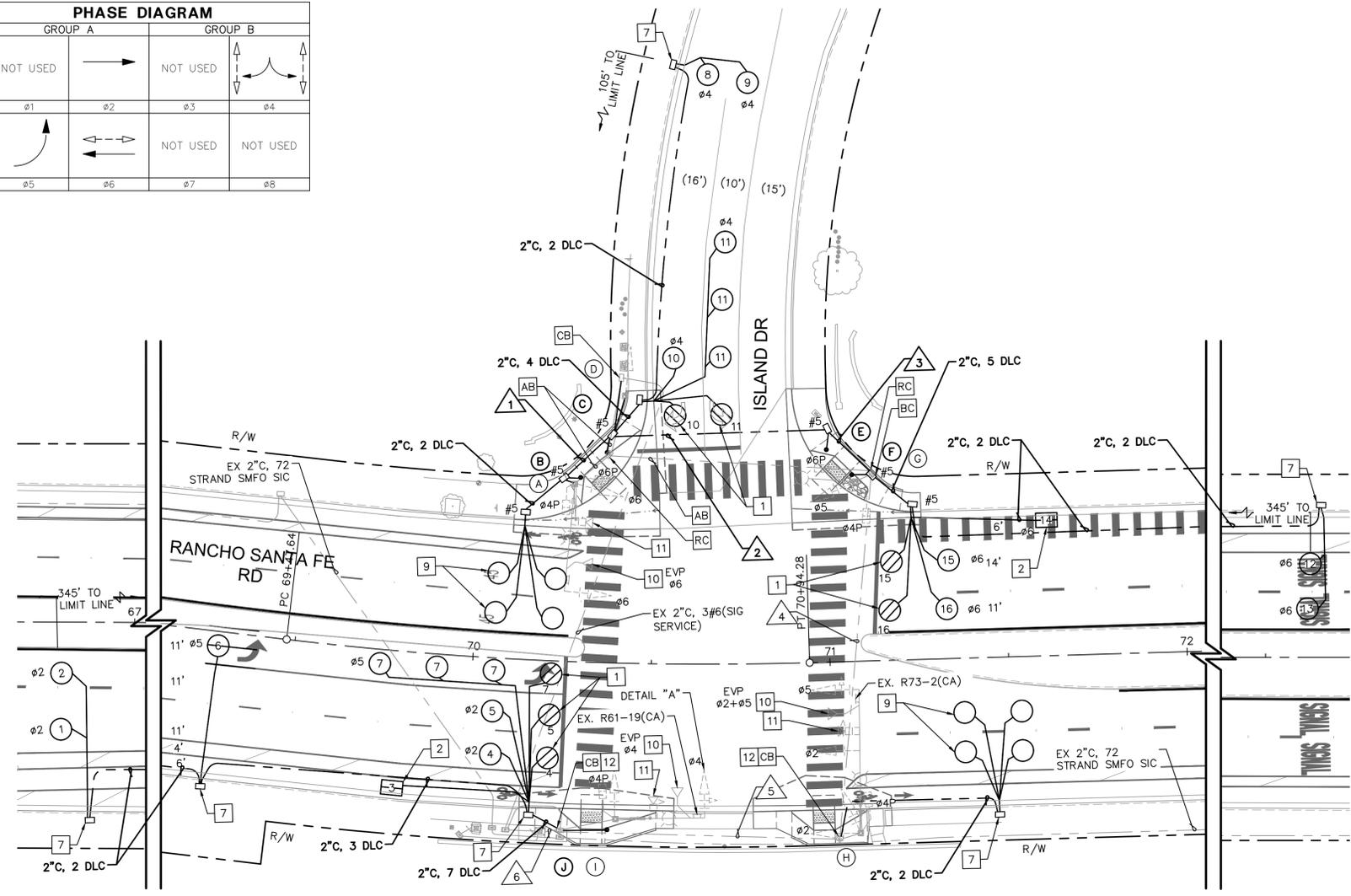
BOLD INDICATES NEW EQUIPMENT.



QUADRANT DETAIL
PEDESTRIAN PUSH BUTTON LOCATION (TOP VIEW)



PHASE DIAGRAM



Kimley-Horn Kimley-Horn and Associates, Inc. ©2023
 401 B Street, Suite 600, San Diego, California 92101
 Phone: 619.234.9411 / www.kimley-horn.com



CITY APPROVED CHANGES					
NO.	DESCRIPTION	AFFECTED SHEETS	EOW APP'D	APP'D BY	DATE

RECOMMENDED FOR APPROVAL	ENGINEER OF WORK
By: EMAD ELIAS, ASSOCIATE CIVIL ENGINEER R.C.E.: 85528 exp.: 9/30/2024 Date: _____	By: JON COLLINS R.C.E.: 62090 exp.: 9/30/25 Date: _____

INSPECTED AND RECOMMENDED FOR ACCEPTANCE	ENGINEER OF WORK AS-BUILT CERTIFICATE
Engineering Inspector _____ Date: _____	FIRST LAST NAME RCE 12345 EXP. 6/30/XX DATE: _____

VALLECITOS WATER DISTRICT		WVD AS-BUILT	
APPROVAL OF THESE IMPROVEMENT PLANS DOES NOT COMMIT DISTRICT TO SUPPLYING WASTEWATER SERVICES TO THIS PROJECT OR GUARANTEE THAT WATER WILL BE AVAILABLE. Date: _____	JASON P. HUBBARD, P.E. DISTRICT ENGINEER 60317 exp.: 6/30/2024	By: _____ NAME (ENGINEER OF WORK) R.C.E. NO. _____ exp.: 6/30/20XX	Date: _____
APPROVAL VALID FOR EIGHTEEN (18) MONTHS FROM DATE SIGNED	VALLECITOS WATER DISTRICT PRESSURE ZONE: 815 HGL	CITY OF SAN MARCOS TRAFFIC SIGNAL MODIFICATION PLANS FOR: RANCHO SANTA FE ROAD PAVEMENT IMPROVEMENTS	

APPROVED FOR CONSTRUCTION	BENCH MARK
By: Isaac Etchamendy, City Engineer R.C.E.: 81294 exp.: 9/30/2025 Date: _____	Description: FOUND 2.5" CITY OF SAN MARCOS BRASS DISC STAMPED "CP-032" Location: _____ Record From: Record of Survey 23731 Elev.: 604.89 [602.82] Datum: NAVD88 [NGVD29]

CITY OF SAN MARCOS	
City Drawing No. IP23-00018	Sheet 26 of 27
VWD WO# 284254	

POLE SCHEDULE																
NO.	TYPE	STANDARD			LUMINARE		PLACEMENT		VEH SIGNAL MTG		PED SIGNAL		PEDESTRIAN			
		HGT	SIG. M.A.	F. DIST.	LUM. M.A.	A	B	MAS. ARM	POLE	MOUNTING	Ø	QUAD	STREET NAME SIGN	REMARKS		
(A)	26-4-70	30'	40'	-	15'	180W	EX.	EX.	1-MAS	SV-1-T	SP-1-T	Ø8	6	←	Cam del Arroyo / Lake Ridge Dr	
(B)	1-A	10'	-	-	-	-	EX.	EX.	-	TV-2-T	SP-1-T	Ø2	8	←	-	
(C)	17B-2-70	30'	15'	-	12'	180W	EX.	EX.	1-MAS	SV-1-T	SP-1-T	Ø2	8	←	Rancho Santa Fe Rd	
(D)	1-A	10'	-	-	-	-	EX.	EX.	-	TV-1-T	SP-1-T	Ø4	2	←	-	
(E)	26-4-70	30'	40'	-	15'	180W	EX.	EX.	1-MAS	SV-1-T	SP-1-T	-	-	←	Lake Ridge Dr / Cam del Arroyo	3
(F)	PPBA	4'7"	-	-	-	12.7'	7.7'	-	-	-	-	Ø4	2	←	-	5
(G)	PPBA	4'7"	-	-	-	14.3'	10.0'	-	-	-	-	Ø6	4	←	-	5
(H)	1-A	10'	-	-	-	-	EX.	EX.	-	TV-2-T	SP-1-T	-	-	←	-	3
(I)	17B-2-70	30'	40'	-	12'	180W	EX.	EX.	1-MAS	SV-1-T	SP-1-T	Ø6	4	←	Rancho Santa Fe Rd	
(J)	1-A	10'	-	-	-	-	EX.	EX.	-	TV-1-T	SP-1-T	Ø8	6	←	-	
(K)	19-3-70	30'	25'	-	15'	180W	EX.	EX.	1-MAS	SV-2-T	-	-	-	←	-	

BOLD INDICATES NEW EQUIPMENT.

POLES (A, B, C, D, E, H, I, J, K) AND ALL ATTACHED EQUIPMENT ARE EXISTING AND SHALL BE PROTECTED IN PLACE UNLESS NOTED OTHERWISE.

CONDUCTOR TABLE														
AWG SIZE OR CABLE TYPE	P. HOOKS	POLE OR CIRCUIT	CONDUIT SIZE & RUN											
			EX 3"	EX 3"	EX 3"	EX 3"	EX 3"	EX 3"	EX 2-3"					
3	12	POLE - A	1	1	1	1	1	1	1	1	1	1	1	1
		POLE - B	1	1	1	1	1	1	1	1	1	1	1	1
		POLE - C	1	1	1	1	1	1	1	1	1	1	1	1
		POLE - D	1	1	1	1	1	1	1	1	1	1	1	1
		POLE - E	1	1	1	1	1	1	1	1	1	1	1	1
		POLE - F	1	1	1	1	1	1	1	1	1	1	1	1
		POLE - G	1	1	1	1	1	1	1	1	1	1	1	1
		POLE - H	1	1	1	1	1	1	1	1	1	1	1	1
		POLE - I	1	1	1	1	1	1	1	1	1	1	1	1
		POLE - J	1	1	1	1	1	1	1	1	1	1	1	1
TOTAL CABLES			3	3	3	3	3	3	3	3	3	3	3	
NO 6			1	1	1	1	1	1	1	1	1	1	1	
NO 8			1	1	1	1	1	1	1	1	1	1	1	
NO 10			2	2	2	2	2	2	2	2	2	2	2	
NO 10			2	2	2	2	2	2	2	2	2	2	2	
NO 10			2	2	2	2	2	2	2	2	2	2	2	
TYPE			1	1	1	1	1	1	1	1	1	1	1	
"b"			2	2	2	2	2	2	2	2	2	2	2	
DLC			4	4	4	4	4	4	4	4	4	4	4	
SPEED AND COUNT LOOPS			2	2	2	2	2	2	2	2	2	2	2	
TOTAL DLC			7	9	9	2	2	2	2	14	16			
CCTV CAMERA VIDEO POWER CABLE			-	-	-	-	-	-	-	-	-	-	-	
FIBER OPTIC INTERCONNECT			-	-	-	-	-	-	-	-	-	-	-	
INTERCONNECT CABLE			-	-	-	-	-	-	-	-	-	-	-	
EMERGENCY VEHICLE DETECTOR			-	-	2	1	2	2	4	5				
PERCENT FILL			23%	16%	41%	12%	19%	25%	36%	37%				

BOLD INDICATES NEW EQUIPMENT. INSTALL ALL NEW WIRE/CABLE AS INDICATED.

SIGN LEGEND

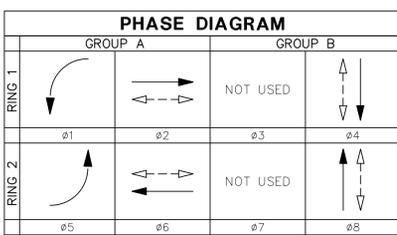
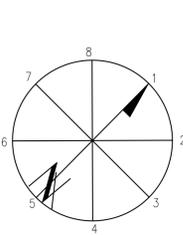
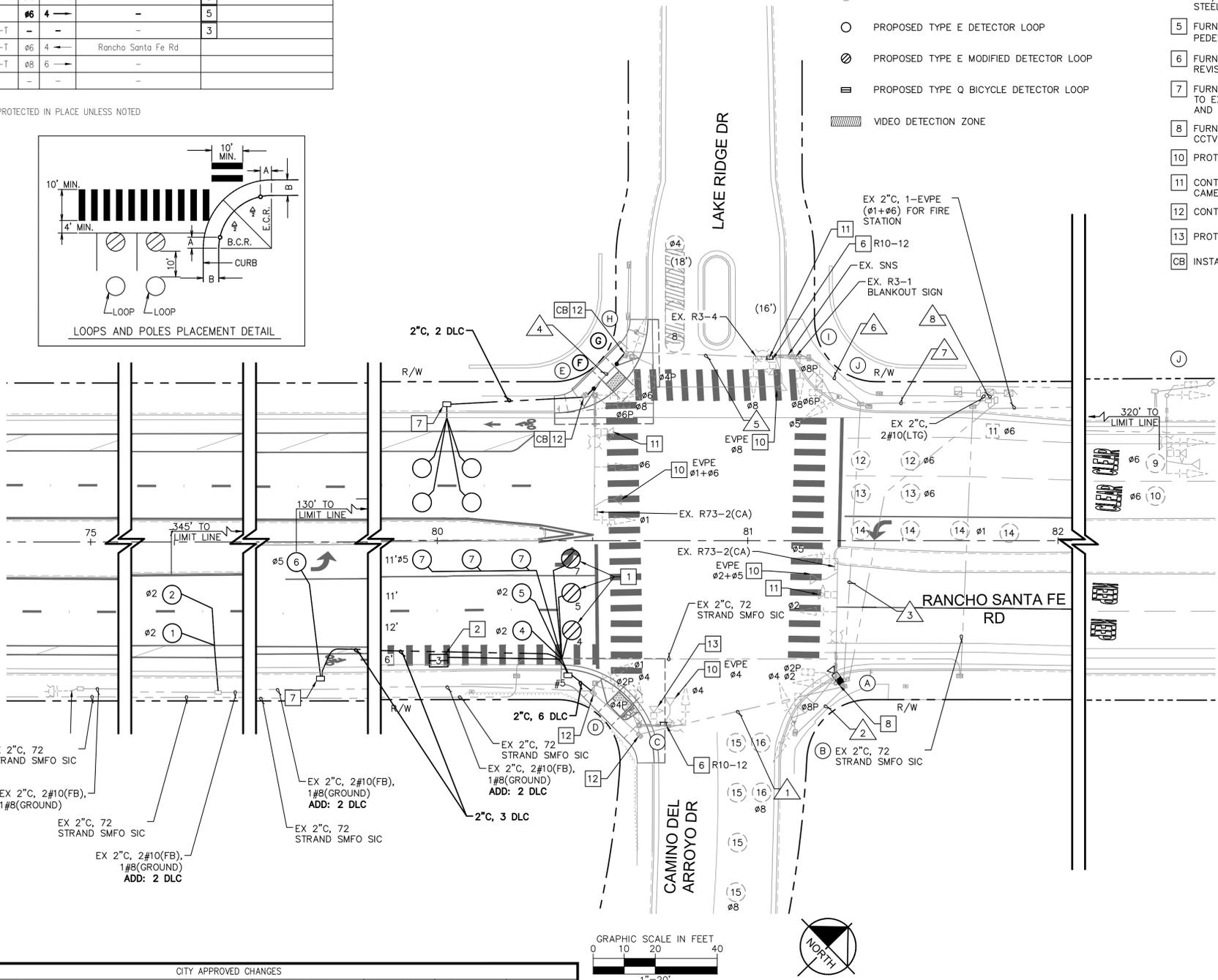
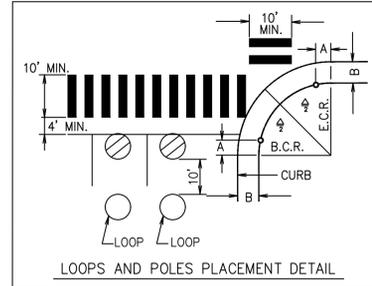


LEGEND

- (XX') EXISTING LANE WIDTH
- XX' PROPOSED LANE WIDTH
- SNS STREET NAME SIGN
- EXISTING DETECTOR LOOP
- PROPOSED TYPE E DETECTOR LOOP
- ⊗ PROPOSED TYPE E MODIFIED DETECTOR LOOP
- ▨ PROPOSED TYPE Q BICYCLE DETECTOR LOOP
- ▨ VIDEO DETECTION ZONE

TRAFFIC SIGNAL CONSTRUCTION NOTES

- FURNISH AND INSTALL 6" DIAMETER TYPE E VEHICLE DETECTOR LOOP PER CALTRANS RSP ES-5B. LIMIT LINE LOOPS SHALL BE MODIFIED TYPE "E" LOOPS PER CITY OF SAN DIEGO DRAWING SDE-104. SEE DETAIL ON THIS SHEET.
- FURNISH AND INSTALL 4' X 6' TYPE Q BIKE DETECTOR LOOP CENTERED IN BIKE LANE PER CALTRANS RSP ES-5B. SEE DETAIL ON THIS SHEET.
- REMOVE AND SALVAGE EXISTING PEDESTRIAN PUSH BUTTON(S). FILL/WELD ANY HOLES LEFT IN STANDARD WITH CENTRAL GALVANIZED STEEL FASTENER, IF NECESSARY.
- FURNISH AND INSTALL NEW POLARA INS 2-WIRE AUDIBLE ADA TYPE PEDESTRIAN PUSH BUTTON(S) WITH R10-3e(CA) SIGN.
- FURNISH AND INSTALL SIGN ON SIGNAL MAST ARM PER CALTRANS REVISED STANDARD PLAN ES-7N, DETAIL U.
- FURNISH AND INSTALL TYPE 5 PULLBOX. CONTRACTOR TO CONNECT TO EXISTING PULLBOX WITH CONDUIT SIZE AS INDICATED BY PLANS AND TO REPLACE IMPACTED SIDEWALK PANELS FROM END TO END.
- FURNISH AND INSTALL NEW BOSCH MIC INTEX 7100I PAN-TILT-ZOOM CCTV CAMERA MIC-7602-230WR-0C PTZ 2MP 30X.
- PROTECT IN PLACE EVPE.
- CONTRACTOR TO REMOVE AND SALVAGE EXISTING VIDEO DETECTION CAMERA.
- CONTRACTOR TO BRING EXISTING PULL BOX TO FINISHED GRADE.
- PROTECT IN PLACE VIDEO DETECTION CAMERA.
- INSTALL CONDUIT INTO EXISTING PULL BOX.



DETECTOR	PHASE	SLOT	FIELD TERMINAL
1	2	I2U	T2-5&6
2	2	I2L	T2-7&8
3	5	J1U	T3-1&2
4	2	I3U	T2-9&10
5	2	I3L	T2-11&12
6	2	I4U	T4-1&2
7	5	J1L	T3-3&4
8	4	I8U	VIDEO DETECTION
9	6	J2U	T3-5&6
10	6	J2L	T3-7&8
11	6	J3U	T3-9&10
12	6	J3L	T3-11&12
13	6	J4U	T5-1&2
14	1	I1L	T2-13&2
15	8	J6U	T5-9&10
16	8	J6L	T5-11&12
PPB	2	I12U	T8-4 & COM 6
PPB	4	I12L	T8-5 & COM 6
PPB	6	I13U	T8-7 & COM 9
PPB	8	I13L	T8-8 & COM 9
EVA	2+5	J12U	T9-4 & COM 6
EVB	4	J13U	T9-7 & COM 9
EVC	6	J12L	T9-5 & COM 6
EVC	8	J13L	T9-8 & COM 9
FLASH SENSE I14U T8-10 & COM 12			

BOLD INDICATES NEW EQUIPMENT.

Drawing name: K:\SDO_M\W\105524139 - Rancho Santa Fe Road\Design\Plan Sheets\624139-12505.dwg TSD: Apr 18, 2024, 11:37:00am by: Henry Rhee

Kimley»Horn Kimley-Horn and Associates, Inc. ©2023
401 B Street, Suite 600, San Diego, California 92101
Phone: 619.234.9411 / www.kimley-horn.com



VALLECITOS WATER DISTRICT
APPROVAL OF THESE IMPROVEMENT PLANS DOES NOT COMMIT DISTRICT TO SUPPLYING WASTEWATER SERVICES TO THIS PROJECT OR GUARANTEE THAT WATER WILL BE AVAILABLE
Date: _____
JASON P. HUBBARD, P.E.
DISTRICT ENGINEER
60317 exp.: 6/30/2024
APPROVAL VALID FOR EIGHTEEN (18) MONTHS FROM DATE SIGNED

VALLECITOS WATER DISTRICT
PRESSURE ZONE: 815 HGL
By: _____ Date: _____
NAME (ENGINEER OF WORK)
R.C.E. NO. _____ exp.: 6/30/20XX

CITY APPROVED CHANGES				
Δ NO.	DESCRIPTION	AFFECTED SHEETS	EOW APP'D	APP'D BY

RECOMMENDED FOR APPROVAL By: EMAD ELIAS, ASSOCIATE CIVIL ENGINEER R.C.E.: 85528 exp.: 9/30/2024 Date: _____	ENGINEER OF WORK By: JON COLLINS R.C.E.: 62090 exp.: 9/30/25 Date: _____	INSPECTED AND RECOMMENDED FOR ACCEPTANCE Engineering Inspector _____ Date _____	ENGINEER OF WORK AS-BUILT CERTIFICATE FIRST LAST NAME RCE 12345 EXP. 6/30/XX DATE: _____
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APPROVED FOR CONSTRUCTION
By: Isaac Etchamendy, City Engineer
R.C.E.: 81294 exp.: 9/30/2025
Date: _____

BENCH MARK
Description: FOUND 2.5" CITY OF SAN MARCOS BRASS
DISC STAMPED "CP-032"
Location: _____
Record From: _____ Record of Survey 23731
Elev.: 604.89 [602.82] Datum: NAVD88 [NGVD29]

CITY OF SAN MARCOS
TRAFFIC SIGNAL MODIFICATION PLANS FOR:
RANCHO SANTA FE ROAD
PAVEMENT IMPROVEMENTS
City Drawing No. **IP23-00018**
Sheet 27 of 27
WVD WJ# 284254