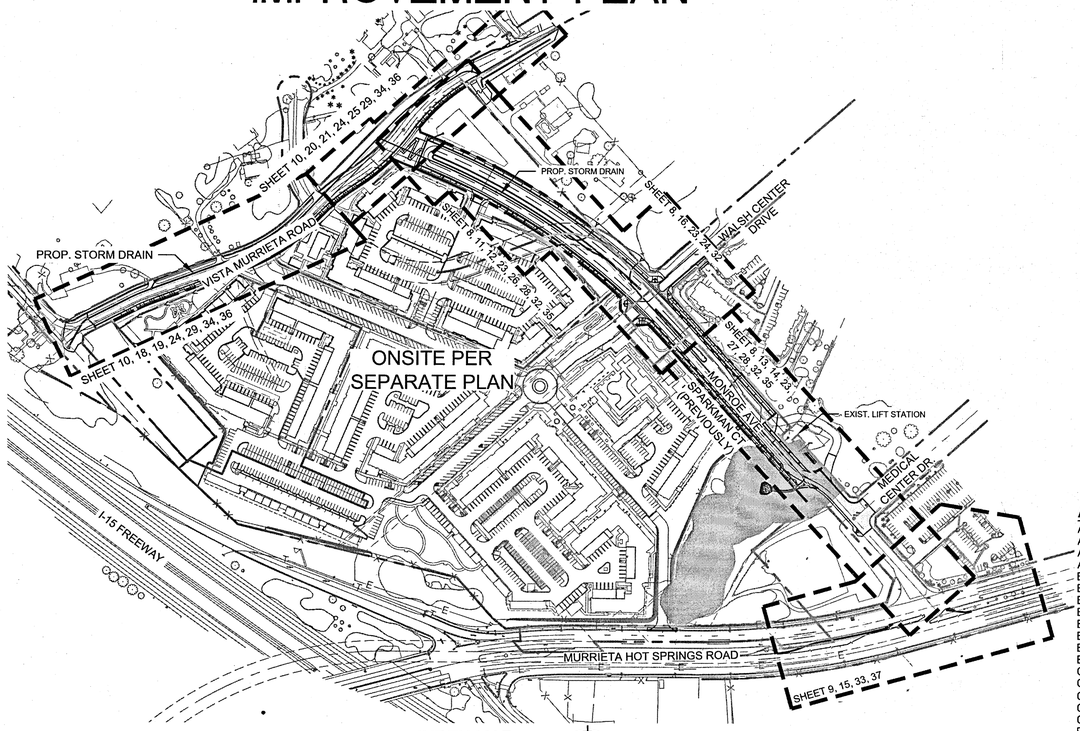
CITY OF MURRIETA
PARCEL MAP 38373
STREET AND STORM DRAIN IMPROVEMENT PLAN

GENERAL NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CLEARING OF THE PROPOSED WORK AREA, AND RELOCATION COST OF ALL EXISTING UTILITIES. PERMITTEE MUST INFORM THE CITY OF CONSTRUCTION SCHEDULE AT LEAST 48 HOURS PRIOR TO BEGINNING OF CONSTRUCTION PHONE: (951)304-2489.
2. ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE CITY OF MURRIETA PUBLIC WORKS DEPARTMENT IMPROVEMENT STANDARDS AND THE LATEST EDITION OF STANDARD SPECIFICATION FOR PUBLIC WORKS CONSTRUCTION (GREEN BOOK).
3. THE DEVELOPER WILL INSTALL STREET NAME SIGNS CONFORMING TO CITY STANDARD NO. 601.
4. CURB DEPRESSIONS AND DRIVEWAY APPROACHES WILL BE INSTALLED AND CONSTRUCTED ACCORDING TO CITY STANDARD NO. 308, 309, OR 310, AS DIRECTED IN THE FIELD.
5. BLUE RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED TO MARK FIRE HYDRANT AND/OR WATER SUPPLY LOCATIONS AT THE DIRECTION OF THE CITY INSPECTOR FOLLOWING FINAL SEALANT AND STRIPING.
6. WORK MAY NOT START UNTIL PERMITS HAVE BEEN OBTAINED.
7. THE CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS WITH UNDERGROUND SERVICE ALERT AT 1-800-422-4133 AT LEAST TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION.
8. ALL PAVEMENT SECTIONS ARE AT MINIMUM REQUIREMENTS. ADDITIONAL SOIL TEST SHALL BE TAKEN AFTER ROUGH GRADING TO DETERMINE THE EXACT STRUCTURAL SECTION REQUIREMENTS. USE STANDARD NO. 320 IF EXPANSIVE SOIL ARE ENCOUNTERED.
9. DUST CONTROL SHALL BE MAINTAINED AT ALL TIMES BY WATER OR OTHER APPROVED METHODS.
10. EQUIPMENT AND MATERIALS SHALL BE STORED IN A NEAT AND PROTECTED MANNER.
11. THE CONTRACTOR WILL CONDUCT HIS OPERATIONS AS TO OFFER THE LEAST POSSIBLE OBSTRUCTION AND INCONVENIENCE TO PUBLIC TRAFFIC, AND HE SHALL HAVE UNDER CONSTRUCTION NO GREATER LENGTH OR AMOUNT OF WORK THAN HE CAN EXECUTE PROPERLY. ON EXISTING ROADS, TRAFFIC SHALL BE PERMITTED TO PASS THROUGH THE WORK AREA WITH AS LITTLE INCONVENIENCE AND DELAY AS POSSIBLE.
12. EXISTING TRAFFIC SIGNALS AND LIGHTING SYSTEMS SHALL BE KEPT IN OPERATION FOR THE BENEFIT OF THE TRAVELING PUBLIC, AND TO MINIMIZE ANY INTERFERENCE WITH ROUTINE MAINTENANCE OF EXISTING SYSTEMS DURING WORK PROGRESS.
13. WHENEVER THE CONTRACTOR'S OPERATION CREATES A HAZARDOUS CONDITION TO TRAFFIC OR TO THE PUBLIC, HE SHALL FURNISH AT HIS OWN EXPENSE, SUCH FLAGMEN AND GUARDS AS ARE NECESSARY TO GIVE ADEQUATE WARNING TO THE PUBLIC OF ANY DANGEROUS CONDITIONS. HE SHALL ALSO FURNISH, ERECT AND MAINTAIN SUCH FENCES BARRICADES, LIGHTS, SIGNS, AND OTHER DEVICES NECESSARY TO PREVENT ACCIDENTS AND INJURY TO THE PUBLIC.
14. WHERE SURVEY MONUMENTS EXIST, SUCH MONUMENTS WILL BE PROTECTED OR SHALL BE REFERENCED AND RESET, PURSUANT TO BUSINESS AND PROFESSIONS CODE, SECTION 8700 TO 8805 (LAND SURVEYOR'S ACT).
15. WHERE NEW A.C. PAVEMENT JOIN EXISTING PAVEMENT, SAWCUT TO A NEAT EDGE. THE SAWCUTS MUST BE PERPENDICULAR, PARALLEL OR RADIAL TO THE ROADWAY CENTERLINE. OVERLAY AND FEATHER NEW A.C. PAVEMENT TO PROVIDE SMOOTH TRANSITION.
16. ALL EXISTING STREET SIGNS, ROADSIDE MARKERS ETC., SHALL BE PROTECTED AND/OR REPLACED IN KIND TO THE CURRENT CITY STANDARD PLANS AND CURRENT TRAFFIC MANUAL, AT NO COST TO THE CITY.
17. ASPHALTIC EMULSION (FOG SEAL) SHALL BE APPLIED NOT LESS THAN FOURTEEN (14) DAYS FOLLOWING PLACEMENT OF THE ASPHALT SURFACING AND SHALL BE APPLIED AT A MIN. RATE OF 0.05 GALLON PER SQUARE YARD. ASPHALTIC EMULSION SHALL CONFORM TO SECTION 37, 39, AND 94 OF THE STATE STANDARD SPECIFICATIONS.
18. ALL UNDERGROUND FACILITIES, WITH LATERALS SHALL BE IN PLACE PRIOR TO PAVING THE STREET SECTION INCLUDING, BUT NOT LIMITED TO, THE FOLLOWING: WATER, SEWER, GAS, ELECTRIC, CABLE T.V., TELEPHONE, AND DRAINAGE.
19. THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES OR STRUCTURES SHOWN ON THESE PLANS WERE OBTAINED BY A SEARCH OF THE AVAILABLE RECORDS. TO THE BEST OF OUR KNOWLEDGE, THERE ARE NO EXISTING UTILITIES EXCEPT AS SHOWN ON THESE PLANS, THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT ALL UTILITY LINES, INCLUDING ANY OTHER LINES NOT SHOWN ON THESE PLANS OR NOT OF RECORD.
20. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO APPLY TO THE CITY OF MURRIETA ENGINEERING DEPARTMENT, FOR AN ENCROACHMENT PERMIT FOR ALL WORK ON EXISTING CITY MAINTAINED ROADS, AND FOR UTILITY WORK WITHIN OFFERS OF DEDICATION FOR PUBLIC USE.
21. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE ENGINEER TO INSTALL STREET CENTERLINE MONUMENTS AS REQUIRED BY CITY STANDARD DRAWINGS NO. 616, 617, AND 618.
22. STREET LIGHTS SHALL BE INSTALLED IN ACCORDANCE WITH THE CITY OF MURRIETA STANDARD NO. 619 OR 620.
23. APPROVAL OF THESE PLANS BY THE CITY OR ITS AGENTS DOES NOT RELIEVE THE APPLICANT AND HIS ENGINEER FROM THE RESPONSIBILITY FOR THE CORRECTION OF ERRORS OR OMISSIONS DISCOVERED DURING CONSTRUCTION. UPON REQUEST, THE APPROPRIATE PLAN REVISIONS SHALL BE PROMPTLY SUBMITTED TO THE CITY ENGINEER FOR REVIEW AND APPROVAL.
24. ALL GTE, SCE AND SCG FACILITIES WILL BE RELOCATED OR MODIFIED BY THE RESPECTIVE UTILITIES OR THEIR APPOINTED REPRESENTATIVES.
25. ALL WATER RELATED WORK SHALL BE DONE IN ACCORDANCE WITH THE SERVICING WATER DISTRICT STANDARDS AND SPECIFICATIONS.
26. ALL SEWER RELATED WORK SHALL BE DONE IN ACCORDANCE WITH THE SERVICING WATER DISTRICT STANDARDS AND SPECIFICATIONS.
27. ANY SERVICE SHUT DOWN SHALL BE DONE AT NIGHT, PRIOR TO ANY SHUT DOWN, THE CONTRACTOR SHALL NOTIFY THE DIRECTOR, ENGINEER, CUSTOMER, FIRE DEPARTMENT, SERVICING WATER DISTRICT, AND ALL OTHERS AFFECTED BY THE SHUT DOWN A MINIMUM OF TWO (2) WEEKS IN ADVANCE.
28. IT SHALL BE THE RESPONSIBILITY OF THE DEVELOPER OR CONTRACTOR TO APPLY TO CALIFORNIA DEPARTMENT OF TRANSPORTATION (CALTRANS) FOR AN ENCROACHMENT PERMIT FOR ALL WORK PERFORMED WITHIN THE STATE RIGHT-OF-WAY.
29. 24 HOUR EMERGENCY CONTACT:
    ADAM COVINGTON; GREYSTAR INC.
    CELL: 858.245.1937



INDEX MAP
SCALE: 1"=200'

NORTH

BASIS OF BEARING NOTE

THE BEARINGS SHOWN HEREON ARE BASED ON THE LINE BETWEEN STATIONS "BILL" AND "DVLS" (POSITIONS PER NATIONAL GEODETIC SURVEY, NAD83, EPOCH 2007.0) BEING NORTH 05°05'38.82" EAST.

BENCHMARK

RIVERSIDE COUNTY BENCHMARK 600-11-68
ELEVATION: 1050.946 (NGVD1929)

UTILITY PURVEYORS

WATER
EASTERN MUNICIPAL WATER DISTRICT
2270 TRUMBLE ROAD
PERRIS, CA 92570
(951) 928-3777

ELECTRICITY
SOUTHERN CALIFORNIA EDISON (SCE)
14005 S. BENSON AVE,
CHINO, CA 91710
(909) 548-7249

GAS
SOUTHERN CALIFORNIA GAS COMPANY
9400 OAKDALE AVE
CHATSWORTH, CA 91311
(818) 701-3245

VERIZON
24520 VILLAGE WALK PL
STE A
MURRIETA, CA 92562
(951) 880-1077

SANITATION
EASTERN MUNICIPAL WATER DISTRICT
2270 TRUMBLE ROAD
PERRIS, CA 92570
(310) 928-3777

ENGINEER

TAMMIE MORENO
KIMLEY-HORN AND ASSOCIATES, INC.
401 B. STREET, SUITE 600
SAN DIEGO, CA 92101
619.929.2958

SOURCE OF TOPOGRAPHY

AEROTECH MAPPING
200 SPECTRUM CENTER DR
SUITE 300
IRVINE, CA 92618
619.606.5020

SOILS ENGINEER

SCOTT A GRAY RGE 2857
ALTA CALIFORNIA GEOTECHNICAL INC.
170 NORTH MAPLE STREET, SUITE 108
CORONA, CA 92880
951.509.7090

OWNER/APPLICANT

ADAM COVINGTON
GREYSTAR INC.
620 NEWPORT CENTER DRIVE, 15TH FLOOR
NEWPORT BEACH, CA 92660
858.245.1937

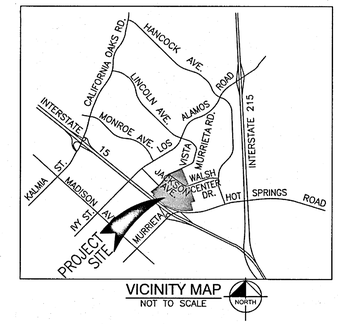
DECLARATION OF RESPONSIBLE CHARGE

I HEREBY DECLARE THAT I AM THE ENGINEER OF WORK FOR THIS PROJECT, THAT I HAVE EXERCISED RESPONSIBLE CHARGE OVER THE DESIGN OF THE PROJECT AS DEFINED IN SECTION 6703 OF THE BUSINESS AND PROFESSIONS CODE, AND THAT THE DESIGN IS CONSISTENT WITH CURRENT STANDARDS.
I UNDERSTAND THAT THE CHECK OF PROJECT DRAWINGS AND SPECIFICATION BY THE CITY OR MURRIETA IS CONFINED TO A REVIEW ONLY AND DOES NOT RELIEVE ME, AS ENGINEER OF WORK, OF MY RESPONSIBILITIES FOR PROJECT DESIGN.

KIMLEY HORN AND ASSOCIATES
401 B STREET, SUITE 600
SAN DIEGO, CA 92101
PHONE: 619-234-9411

11/19/2024
TAMMIE MORENO — DATE
R.C.E. 74417

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VICINITY MAP
NOT TO SCALE

NORTH

LEGEND

PROPERTY BOUNDARY	
EXISTING R/W	
PROPOSED PROPERTY LINE / R/W	
CENTERLINE	
SETBACK	
EASEMENT	
FENCE	
RETAINING WALL	
BUILDING OUTLINE	
PROPOSED MAJOR CONTOUR	100
PROPOSED MINOR CONTOUR	99
EXISTING MAJOR CONTOUR	100
EXISTING MINOR CONTOUR	
GRADING LIMITS	
GRADE BREAK LINE	GB
RIDGE LINE	R
STORM LINE	
SEWER LINE	S
WATER LINE	W
FIRE WATER LINE	
CIVIL LIMITS OF WORK	
CONSTRUCTION FENCE	X
SILT FENCE	
GRAVEL BAGS/BERM	
MILL AND OVERLAY	9
BRICK PAVERS	18
4" ASPHALT PAVEMENT	1
CONCRETE PAVEMENT	6
GRAVEL ROAD	19
LANDSCAPE (SEE LANDSCAPE PLANS FOR DETAILS)	17
DISPERSION SWALE	66
MORTARED COBBLE	86
DEMO LANDSCAPE	23
DEMO GRAVEL ROAD	10
DEMO ASPHALT PAVEMENT	4
DEMO BRICK PAVERS	11
SAWCUT	
EXISTING OVERHEAD LINE	OHE
EXISTING UNDERGROUND ELECTRIC LINE	E
EXISTING SEWER LINE	S
EXISTING STORM DRAIN LINE	
EXISTING WATER LINE	W
EXISTING NATURAL GAS LINE	G
STORM DRAIN STRUCTURE	
STORM DRAIN MANHOLE	D
STORM DRAIN CURB INLET	
GRATE INLET	
SEWER MANHOLE	S
GREASE INTERCEPTOR	
FIRE HYDRANT	
EXISTING SEWER STRUCTURE	S
EXISTING STORM DRAIN STRUCTURE	D
SIDEWALK DEMOLITION	
SIGHT DISTANCE	

ABBREVIATIONS

AB	AGGREGATE BASE	MOHC	MIDDLE OF HORIZONTAL CURVE
AC	ASPHALT CONCRETE	MIL	MILLIMETER
ADA	AMERICANS WITH DISABILITIES ACT	MUTCD	MANUAL ON UNIFORM CONTROL DEVICES
AGG	AGGREGATE	NB	NORTHBOUND
BC	BEGINNING OF CURVE	N'LY	NORTHERLY
BCR	BEGINNING OF CURB RETURN	NO	NUMBER
BEG	BEGINNING	NTS	NOT TO SCALE
BFG	BELOW FINISHED GRADE	NW	NORTHWEST
BMP	BEST MANAGEMENT PRACTICES	OC	ON CENTER
BTM	BOTTOM	PCC	PORTLAND CEMENT CONCRETE
BVC	BEGINNING OF VERTICAL CURVE	PC	POINT OF CURVATURE
BW	BOTTOM OF WALL	PE	PAD ELEVATION
C&G	CURB AND GUTTER	PI	POINT OF INTEREST
CI	CURB INLET	PPB	PEDESTRIAN PUSH BUTTON
CL/C/L	CENTER LINE	PRC	POINT OF REVERSE CURVE
CONC	CONCRETE	PR	PROPOSED
CFS	CUBIC FEET PER SECOND	PSI	POUNDS PER SQUARE INCH
DIA	DIAMETER	PT	POINT OF TANGENCY
DLC	DETECTOR LEAD-IN CABLE	PVC	POINT OF VERTICAL CURVATURE
DWG	DRAWING	R	RADIUS
DWY	DRIVEWAY	R/W	RIGHT OF WAY
EVPE	EMERGENCY VEHICLE PREEMPTION	RCFC	RIVERSIDE COUNTY FLOOD CONTROL
EB	EASTBOUND	RCP	REINFORCED CONCRETE PIPE
EC	END OF CURVE	RD	ROAD
ECR	END OF CURB RETURN	RET	RETAINING
EG	EXISTING GRADE	RT	RIGHT
EL	ELEVATION	SW	SIDEWALK
EP	EDGE OF PAVEMENT	SB	SOUTHBOUND
EVC	END OF VERTICAL CURVE	SCE	SOUTHERN CALIFORNIA EDISON
EVP	ELECTRICAL VOLTAGE PLAN	SCG	SOUTHERN CALIFORNIA GAS
EX	EXISTING	SCH	SCHEDULE
FF	FINISH FLOOR	SD	STORM DRAIN/SAN DIEGO
FG	FINISH GRADE	SHLD	SHOULDER
FH	FIRE HYDRANT	SL	STREET LIGHT
FL	FLOW LINE	S'LY	SOUTHERLY
FS	FINISHED SURFACE	SMFO	SINGLE MODE FIBER OPTIC
FW	FACE OF WALL	SNS	STREET NAME SIGN
GB	GRADE BRAKE	STA	STATION
GR	GUARD RAIL	STD	STANDARD
GTE	GAS TELEPHONE ELECTRIC	STR	STRUCTURE
H	HEIGHT	TC	TOP OF CURB
HP	HIGH POINT	TF	TOP OF FOOTING
INV	INVERT	TS	TRAFFIC SIGNAL
L	LENGTH	TW	TOP OF WALL
LF	LINEAR FEET	TRW	TOP OF RETAINING WALL
LOL	LAYOUT LINE	TYP	TYPICAL
LP	LOW POINT	UPC	UNIFORM PLUMBING CODE
LS	LANDSCAPING	VC	VERTICAL CURVE
LT	LEFT	WB	WESTBOUND
ME	MATCH EXIST	XING	CROSSING
MH	MAN HOLE		
MGS	MIDWEST GUARDRAIL SYSTEM		

WDID #: 9_33C401926

"AS BUILT"
THE RECEIPT OF AS-BUILT PLANS AND CITY'S ACCEPTANCE THEREOF DOES NOT ABSOLVE THE ENGINEER OF WORK OF ANY RESPONSIBILITY FOR THE PROJECT DESIGN.

ENGINEER OF WORK — DATE
RCE NO. — EXPIRATION DATE

SEAL: REGISTERED PROFESSIONAL ENGINEER — TAMMIE C. MORENO — No. 74417 — CIVIL — STATE OF CALIFORNIA

SCALE
HORIZONTAL: AS NOTED
VERTICAL: AS NOTED

Kimley»Horn
401 B STREET, SUITE 600,
SAN DIEGO, CA 92101
PHONE: 619-234-9411
WWW.KIMLEY-HORN.COM

PREPARED BY — DATE 11/19/2024
TAMMIE MORENO
RCE NO. 74417 — EXP. DATE 09/30/25

DATE	INITIAL	REVISION DESCRIPTION	SHT. NO.	DATE	INITIAL
		ENGINEER OF WORK			CITY APPROVAL

Underground Service Alert
DIG ALERT — BEFORE YOU DIG
Call: TOLL FREE
1-800
422-4133
TWO WORKING DAYS BEFORE YOU DIG

BENCH MARK
DESCRIPTION: RIVERSIDE COUNTY BENCHMARK 600-11-68
LOCATION: 4 FEET SOUTH OF THE SOUTH-EAST CORNER OF 7 FT CHAIN LINK FENCE OF S.C.E. MURRIETA SUBSTATION #2
RECORDED: 07-26-1982
ELEVATION: 1050.946 DATUM: NGVD1929

APPROVED FOR SIGNATURE
TODD L. PITNER
MICHAEL BAKER INTERNATIONAL
RCE NO. 58606
11-26-24 DATE

SHEET	CITY OF MURRIETA	SHEETS
1	ENGINEERING DEPARTMENT	37

STREET IMPROVEMENT PLAN
TENTATIVE PARCEL MAP 38373
COVER SHEET

APPROVED
ROBERT K. MOEHLING — DATE 12/19/24
DIRECTOR OF PUBLIC WORKS / CITY ENGINEER — RCE 63056

DWN BY: CR
CHKD BY: TM
FIELD BK:
PROJECT NO. ENC-PC-IMP-2023-00010
DRAWING NO. 24-576

Plotted By:Rokosz, Cody Sheet Set:No Layout:Layout1 November 19, 2024 03:54:53pm K:\SND_LDEV\195120004 - the terraces murrieta\Design\plansheets - street improvements\120004-CV01.dwg
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GRADING NOTES

1. ALL GRADING SHALL CONFORM TO THE CITY OF MURRIETA GRADING CODE AND MANUAL.
2. MINIMUM BUILDING PAD AND DRAINAGE SWALE SLOPE SHALL BE 1%. DRAINAGE SWALES SHALL BE A MINIMUM OF 0.2' DEEP AND BE CONSTRUCTED A MINIMUM OF 2' FROM THE TOP OF CUT OR FILL SLOPES.
3. MAXIMUM CUT AND FILL SLOPE = 2:1.
4. PROVIDE 4' WIDE BY 1' HIGH BERM OR EQUIVALENT ALONG THE TOP OF ALL FILL SLOPES OVER 5' HIGH.
5. ALL GRADING SHALL BE DONE UNDER THE SUPERVISION OF A COMPETENT SOILS ENGINEER WHO SHALL CERTIFY THAT ALL FILL HAS BEEN PROPERLY PLACED AND WHO SHALL SUBMIT A FINAL COMPACTION REPORT FOR ALL FILLS OVER 1' DEEP.
6. A REGISTERED CIVIL ENGINEER SHALL SUBMIT TO THE CITY ENGINEERING DEPARTMENT WRITTEN CERTIFICATION OF COMPLETION OF ROUGH GRADING IN ACCORDANCE WITH THE APPROVED GRADING PLAN PRIOR TO ISSUANCE OF THE BUILDING PERMIT. CERTIFICATION SHALL BE TO LINE, GRADE, ELEVATION AND LOCATION OF CUT FILL SLOPES.
7. PROVIDE A BROW DITCH, DESIGNED TO HANDLE 100 YEAR Q STORM FLOWS, ALONG TOP CUT OF SLOPE.
8. ALL GRADING SHALL BE DONE IN CONFORMANCE WITH RECOMMENDATIONS OF THE PRELIMINARY SOILS INVESTIGATION BY ALTA CALIFORNIA GEOTECHNICAL, INC. DATED OCTOBER 25, 2021. TWO SETS OF THE FINAL COMPACTION REPORT SHALL BE SUBMITTED TO THE ENGINEERING DEPARTMENT WHICH SHALL INCLUDE FOUNDATION DESIGN RECOMMENDATIONS AND CERTIFICATION THAT GRADING HAS BEEN DONE IN CONFORMANCE WITH THE RECOMMENDATIONS OF THE PRELIMINARY SOILS REPORT.
9. THE CONTRACTOR SHALL NOTIFY THE CITY OF MURRIETA ENGINEERING DEPARTMENT AT LEAST 24 HOURS IN ADVANCE REQUESTING FINISH LOT GRADE AND DRAINAGE INSPECTION. THIS INSPECTION MUST BE APPROVED PRIOR TO BUILDING PERMIT FINAL INSPECTION FOR EACH LOT.
10. CUT SLOPES EQUAL TO OR GREATER THAN 5' IN VERTICAL HEIGHT AND FILL SLOPES EQUAL TO OR GREATER THAN 3' IN VERTICAL HEIGHT SHALL BE PLANTED WITH GROUND COVER TO PROTECT THE SLOPE FROM EROSION AND INSTABILITY IN ACCORDANCE WITH THE CITY GRADING CODE PRIOR TO THE APPROVAL OF FINAL INSPECTION.
11. NO FILL SHALL BE PLACED ON EXISTING GROUND UNTIL THE GROUND HAS BEEN CLEARED OF WEEDS, DEBRIS, TOPSOIL, AND OTHER DELETERIOUS MATERIAL.
12. IF STEEP SLOPING TERRAIN OCCURS UPON WHICH FILL IS TO BE PLACED, IT MUST BE CLEARED, KEYED, AND BENCHED INTO FIRM NATURAL SOIL FOR FULL SUPPORT. PREPARATION SHALL BE APPROVED BY A REGISTERED ENGINEER PRIOR TO PLACEMENT OF FILL MATERIAL.
13. DURING ROUGH GRADING OPERATIONS AND PRIOR TO CONSTRUCTION OF PERMANENT DRAINAGE STRUCTURES TEMPORARY DRAINAGE CONTROL SHOULD BE PROVIDED TO PREVENT PONDING WATER AND DAMAGE TO ADJACENT PROPERTIES.
14. DUST SHALL BE CONTROLLED BY WATER OR OTHER APPROVED METHODS.
15. ALL EXISTING DRAINAGE COURSES ON THE PROJECT SITE MUST CONTINUE TO FUNCTION, ESPECIALLY DURING STORM CONDITIONS. PROCTECTIVE MEASURES AND TEMPORARY DRAINAGE PROVISIONS MUST BE USED TO PROTECT ADJOINING PROPERTIES DURING GRADING OPERATIONS.
16. STABILITY CALCULATIONS WITH A FACTOR OF AT LEAST ONE AND FIVE TENTHS (1.5) SHALL BE SUBMITTED BY A SOILS ENGINEER TO THE CITY ENGINEERING DEPARTMENT FOR CUT AND FILL SLOPES OVER 30' IN VERTICAL HEIGHT.
17. A REGISTERED CIVIL ENGINEER OR LICENSED LAND SURVEYOR SHALL SUBMIT CERTIFICATION OF BUILDING PAD ELEVATION. WHERE SPECIFIC ELEVATIONS ARE REQUIRED, THE ELEVATION (WITH RESPECT TO MEAN SEA LEVEL) SHALL BE GIVEN. IF AN ELEVATION WITH RESPECT TO ADJACENT GROUND SURFACE IS REQUIRED, THE ACTUAL DISTANCE ABOVE THE ADJACENT GROUND SHALL BE GIVEN.
18. EROSION CONTROL: ALL GRADED SLOPES SHALL BE PLANTED WITH AN APPROVED GROUND COVER. SLOPES OVER 15' IN VERTICAL HEIGHT, IN ADDITION TO GROUND COVER, SHALL BE PLANTED WITH APPROVED TREES, SHRUBS, OR COMBINATIONS, 15' ON CENTERS. SLOPES OVER 4' IN VERTICAL HEIGHT SHALL HAVE PERMANENT IRRIGATION SYSTEMS WITH BACKFLOW PREVENTION DEVICES PER U.P.C., CHAPTER 10.R.
19. FINISH GRADE SHALL BE SLOPED AWAY FROM ALL EXTERIOR WALLS AT NOT LESS THAN 2% PER FOOT FOR A MINIMUM OF 3 FEET.
20. "NO OBSTRUCTION OF FLOOD PLAINS OR NATURAL WATER COURSES SHALL BE PERMITTED."
21. ALL PROPERTY CORNERS SHALL BE CLEARLY DELINEATED IN THE FIELD PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION/GRADING.
22. WORK MAY NOT START UNTIL PERMITS HAVE BEEN OBTAINED.
23. PURSUANT TO THE CITY OF MURRIETA MUNICIPAL CODE 15.52.150, GRADING AND EQUIPMENT OPERATION WITHIN ONE-HALF (1/2) MILE OF A STRUCTURE FOR HUMAN OCCUPANCY SHALL NOT BE CONDUCTED BETWEEN THE HOURS OF 8:00 PM AND 7:00 AM, NOR ON SUNDAY AND FEDERAL HOLIDAYS WITHOUT THE APPROVAL OF THE CITY ENGINEER.
24. APPROVAL OF THESE PLANS BY THE CITY OR ITS AGENTS DOES NOT RELIEVE THE APPLICANT AND HIS ENGINEER FROM THE RESPONSIBILITY FOR THE CORRECTION OF ERRORS OR OMISSIONS DISCOVERED DURING CONSTRUCTION. UPON REQUEST, THE APPROPIATE PLAN REVISIONS SHALL BE PROMPTLY SUBMITTED TO THE CITY ENGINEER FOR REVIEW APPROVAL.
25. SOURCE OF TOPOGRAPHY: CALVADA SURVEYING, INC. DATE: MARCH 28, 2023
26. SEPARATE HAUL PERMIT IS REQUIRED FOR ANY IMPORT/EXPORT OF MATERIAL TO/FROM PROJECT SITE.
27. THE CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION MEETING WITH THE CITY LANDSCAPE ARCHITECT AT LEAST 48 HOURS PRIOR TO POURING ANY CONCRETE CURBS IN PLANTER AREAS. THE CITY LANDSCAPE ARCHITECT'S PHONE NUMBER IS (951)698-0122.
28. THE APPLICANT IS HEREBY NOTICED THAT THEY COMPLY WITH ALL STATE AND FEDERAL ENDANGERED SPECIES LAW. THE CITY OF MURRIETA IS NOT RESPONSIBLE FOR ANY SUCH VIOLATION OF STATE OR FEDERAL ENDANGERED SPECIES LAW DUE TO THE APPLICANT'S NON-COMPLIANCE.
29. IN CASE OF EMERGENCY, 24 HOUR CONTACT IS ADAM COVINGTON, GREYSTAR INC. C: (858-245-1937)

STREET NOTES

1. THE STRUCTURAL SECTION SHOWN ON THE PLANS IS THE MINIMUM SECTION REQUIRED BY THE CITY. ACTUAL STRUCTURAL SECTIONS WILL BE DETERMINED AFTER THE "R" VALUE TEST HAS BEEN CONDUCTED BY A QUALIFIED SOILS ENGINEER ON THE PREPARED SUB-BASE MATERIAL. THE "R" VALUE TEST AND ENGINEERED STRUCTURAL SECTION MUST BE APPROVED BY THE ENGINEERING INSPECTOR PRIOR TO THE INSTALLATION OF BASE AND PAVING MATERIALS. STRUCTURAL SECTIONS DIFFERING FROM THE MINIMUM SHALL BE NOTED ON THE "AS-BUILT" DRAWINGS.
2. A RIGHT-OF-WAY PERMIT IS REQUIRED FROM THE ENGINEERING DEPARTMENT PRIOR TO START OF ANY CONSTRUCTION WITHIN CITY RIGHT-OF-WAY.
3. STREET LIGHTS SHALL BE INSTALLED AS SHOWN ON THE PLANS. UNDERGROUND CONDUIT RUNS, SERVICE POINTS AND HAND-HOLES SHALL BE SHOWN ON THE "AS-BUILT" PLANS.
4. ALL UNDERGROUND UTILITIES AND LATERALS SHALL BE INSTALLED PRIOR TO CONSTRUCTION OF CURBS, CROSS GUTTERS OR SURFACING OF STREETS.
5. STORM DRAIN PIPE SHALL BE REINFORCED CONCRETE PIPE WITH A MINIMUM D-LOAD OF 1,350.
6. WHEELCHAIR RAMPS SHALL BE INSTALLED AT CURB RETURNS PER REQUIREMENTS OF STATE UNIFORM BUILDING CODE, TITLE 24.
7. STREET TREES SHALL BE INSTALLED AT AN AVERAGE INTERVAL NOT TO EXCEED ONE (1) TREE PER FORTY-FOOT (40') OF FRONTAGE. TREES SHALL BE PLANTED IN CONFORMANCE WITH CITY OF MURRIETA STANDARDS AND THE REQUIREMENTS OF THE PARKS AND RECREATION DIRECTOR. TREES ARE TO BE PLANTED A MINIMUM OF FOUR-FEET (4') FROM THE EDGE OF THE SIDEWALK.
8. FIRE HYDRANT MARKERS SHALL BE PLACED IN THE STREET ADJACENT TO ALL NEW AND EXISTING FIRE HYDRANTS IN CONFORMANCE WITH CITY FIRE DEPARTMENT REQUIREMENTS.

PAVING NOTES

1. MINIMUM PARKING LOT GRADE SHALL BE 1%.
2. MINIMUM GRADE FOR RIBBON DRAINS SHALL BE 0.5%.
3. AN APPROVED SOIL STERILIZER SHALL BE USED ON ALL SUBGRADE SURFACES PRIOR TO PLACEMENT OF PAVING.
4. ASPHALTIC EMULSION (FOG SEAL) SHALL BE APPLIED NO LESS THAN FOURTEEN DAYS FOLLOWING PLACEMENT OF THE ASPHALT SURFACING AND SHALL BE APPLIED AT A RATE OF 0.05 GALLONS PER SQUARE YARD, ASPHALT EMULSION SHALL CONFORM TO SECTION 37, 39 AND 94 OF THE STATE STANDARD SPECIFICATIONS.
5. THE SUBDIVIDER OR CONTRACTOR SHALL APPLY TO THE CITY ENGINEERING DEPARTMENT FOR AN ENCROACHMENT PERMIT FOR ALL WORK WITHIN THE RIGHT-OF-WAY.
6. TWO SPECIAL INSPECTIONS ARE REQUIRED BY THE CITY ENGINEERING DEPARTMENT. ONE INSPECTION AT THE TIME THE BASE IS PLACED AND THE SECOND WHEN THE A.C. HAS BEEN PLACED.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CLEARING OF THE PROPOSED WORK AREA, AND RELOCATION AND COST OF ALL EXISTING UTILITIES. THE CITY SHA SHALL BE PLACED IN THE STREET ADJACENT TO ALL NEW AND EXISTING FIRE HYDRANTS IN CONFORMANCE WITH CITY FIRE DEPARTMENT REQUIREMENTS.

CONSTRUCTION NOTES AND QUANTITY ESTIMATES

CONSTRUCTION NOTE	ITEM DESCRIPTION	UNIT	QUANTITY
(1)	CONSTRUCT 4" AC PER CITY OF MURRIETA STD DETAIL NO. 120	TON	3877
(1)	CONSTRUCT 15" CLASS II AGG. BASE PER CITY OF MURRIETA STD DETAIL NO. 120	CY	4970
(2)	CONSTRUCT 6" TYPE 'D' CASE A CURB PER CITY OF MURRIETA STD. NO. 305	LF	1600
(3)	CONSTRUCT 6" TYPE 'A-6' CURB AND GUTTER PER CITY OF MURRIETA STD. NO. 301	LF	3600
(4)	CONSTRUCT 6" A.C. DIKE PER CITY OF MURRIETA STD. NO. 315. INTERIM IMPROVEMENTS PER CITY OF MURRIETA STD. NO. 109	LF	400
(6)	CONSTRUCT P.C.C. SIDEWALK PER CITY OF MURRIETA STD. NO. 320	SF	28280
(7)	CONSTRUCT CURB RAMP PER CITY OF MURRIETA STD. NO. 321A.	EA	4
(9)	SAWCUT, GRIND, OVERLAY, AND JOIN EXISTING PAVEMENT	LF	8940
(10)	ADJUST MANHOLE TO GRADE	EA	2
(11)	INSTALL RESIDENTIAL LIGHTING PER CITY OF MURRIETA STD. NO. 620A	EA	9
(13)	REMOVE AND DISPOSE CHAIN LINK FENCE	LF	5000
(14)	PROPOSED TREE WELL	EA	60
(17)	PROPOSED LANDSCAPE MEDIAN PER CITY OF MURRIETA STD. NO. 115	SF	5000
(18)	CONSTRUCT INTERLOCKING CONCRETE BRICK PAVERS PER CITY OF MURRIETA STD. NO. 115	SF	3550
(19)	CONSTRUCT 3" THICK GRAVEL ROAD WITH 3/4" CRUSHED ROCK	SF	11000
(30)	EXISTING SCE OVERHEAD POLE TO BE REMOVED	EA	4
(31)	CONSTRUCT CROSS GUTTER PER CITY OF MURRIETA STD. NO. 311	SF	2260
(38)	INSTALL 72" RCP STORM PIPE. TRENCHING AND EMBEDMENT PER RCFC DISTRICT STD. M815	LF	129
(39)	INSTALL 12" RCP STORM PIPE. TRENCHING AND EMBEDMENT PER CITY OF MURRIETA STD. 212A	LF	23
(40)	INSTALL 18" RCP STORM PIPE. TRENCHING AND EMBEDMENT PER CITY OF MURRIETA STD. 212A	LF	1880
(41)	INSTALL 24" RCP STORM PIPE. TRENCHING AND EMBEDMENT PER CITY OF MURRIETA STD. 212A	LF	620
(42)	INSTALL MANHOLE NO. 1 PER RIVERSIDE COUNTY FLOOD CONTROL STD. NO. MH251	EA	15
(43)	INSTALL COMBINATION INLET CATCH BASIN NO. 1 PER CITY OF MURRIETA STD. NO. 403A	EA	7
(44)	CONSTRUCT PIPE HEADWALL AND WINGWALL PER CALTRANS STD. NO. D86B	EA	2
(45)	2' X 2' CONCRETE DROP INLET PER RCFC STD. DWG. CB 110	EA	6
(46)	JUNCTION STRUCTURE NO. 4 PER RCFC STD. DWG. JS 227	EA	2
(47)	ENDWALL PER CALTRANS STD. NO. D90, TYPE C	LF	35
(48)	INSTALL 30" RCP STORM PIPE	LF	530
(49)	INSTALL 36" RCP STORM PIPE	LF	150
(51)	DEMOLISH EXISTING CONCRETE HEADWALL. CONNECT TO EXISTING 24" RCP	EA	1
(52)	PROVIDE 1 TON RIP RAP AT 4.4 FT THICKNESS WITH FILTER FABRIC PER CITY OF MURRIETA STD. 446A TYPE 2	CY	180
(54)	CURB CUT	EA	1
(55)	6" SCH 40 PERFORATED PIPE	LF	1300
(56)	CHECK DAM PER CITY OF TEMECULA STD. 953.	EA	32
(58)	PROPOSED COMMERCIAL DRIVEWAY ENTRANCE PER CITY OF MURRIETA STD. NO. 310C	SF	700
(59)	CONSTRUCT 3' RIBBON GUTTER PER DETAIL ON SHEET 3	SF	55
(60)	CONSTRUCT 6" TYPE 'C' CURB AND GUTTER PER CITY OF MURRIETA STD. NO. 303	LF	30
(62)	CONSTRUCT 8" TYPE 'D' CURB , CASE A, PER CITY OF MURRIETA STD. NO. 305	LF	1800
(63)	CONSTRUCT CASE A CURB RAMP PER RIVERSIDE COUNTY STD. NO. 403	EA	1
(65)	CONSTRUCT SPECIAL CROSS GUTTER PER CITY OF MURRIETA STD. NO. 313A	LF	100
(66)	CONSTRUCT BIOFILITRATION SWALE WITH PERFORATED PIPE	LF	935
(67)	INSTALL MANHOLE NO. 2 PER RIVERSIDE COUNTY FLOOD CONTROL STD. NO. MH252	EA	2
(68)	CONSTRUCT 5' AC DIKE TRANSITION PER DETAIL ON SHEET 3	LF	10
(69)	CONSTRUCT 4" MOUNTABLE AC DIKE PER CITY OF MURRIETA STD. NO. 315	LF	30
(71)	CONSTRUCT CONCRETE INTERCEPTOR DRAIN PER CITY OF MURRIETA STD. NO. 432	LF	2600
(72)	DEMOLISH EXISTING DRIVEWAY AND CONSTRUCT NEW CONCRETE DRIVEWAY PER CITY OF MURRIETA STD. NO. 308A	SF	225
(73)	CONSTRUCT RECTANGULAR CONCRETE CULVERT WALL PER DETAIL ON SHEET 3	EA	2
(74)	CONSTRUCT MODIFIED CATCH BASIN PER DETAIL ON SHEET 3	EA	3
(75)	FURNISH AND INSTALL MGS STANDARD RAILING SECTION PER 2023 CALTRANS RSP A77L1	LF	1050
(76)	FURNISH AND INSTALL CALTRANS APPROVED IN-LINE TERMINAL SYSTEM END TREATMENT TYPE 11A LAYOUT PER 2023 CALTRANS STANDARD PLAN A77P1	LF	110
(77)	CONSTRUCT A.C. DIKE CURB CUT PER DETAIL ON SHEET 3	EA	1
(79)	INSTALL MORTARED COBBLE MEDIAN SECTION	SF	240
(81)	CONSTRUCT 6" PCC OVER 6" AGGREGATE BASE WITH NO. 3 REINFORCING BARS 12" O.C. BOTH WAYS.	SF	560
(82)(83)	CONSTRUCT TYPE A-6 C&G PER CITY OF MURRIETA STD. NO. 301, WITH MODIFIED WIDTH = 12" , DEPTH = 6" (INCLUDES TRANSITION).	LF	335
(85)	CONSTRUCT CASE C CURB RAMP PER CALTRANS STD. NO. A88A	EA	1
(87)	CONSTRUCT MODIFIED CONCRETE INTERCEPTOR DRAIN PER CITY OF MURRIETA STD. NO. 432. WIDTH=12", DEPTH=6".	LF	35
(88)	CONSTRUCT CONCRETE PEDESTRIAN RAMP	EA	1
(90)	CONSTRUCT SIDEWALK UNDERDRAIN PER CITY OF MURRIETA STD NO. 426. SIDEWALK UNDERDRAIN ASSEMBLY SHALL INCLUDE 3" PVC PIPE AND ATRIUM DRAIN AS NECESSARY	LF	30
(91)	FURNISH AND INSTALL PIPE GUARDRAIL - POST TYPE WITH PEDESTRIAN RAILING	LF	300
(92)	FURNISH AND INSTALL PIPE HANDRAIL WALL MOUNTED PEDESTRIAN RAILING	LF	35

"AS BUILT"

THE RECEIPT OF AS-BUILT PLANS AND CITY'S ACCEPTANCE THEREOF DOES NOT ABSOLVE THE ENGINEER OF WORK OF ANY RESPONSIBILITY FOR THE PROJECT DESIGN.

ENGINEER OF WORK _____ DATE _____

RCE NO. _____ EXPIRATION DATE _____

SEAL: REGISTERED PROFESSIONAL ENGINEER TAMMIE C. MORENO No. 74417 CIVIL STATE OF CALIFORNIA

SCALE

HORIZONTAL: AS NOTED

VERTICAL: AS NOTED

Kimley»Horn

401 B STREET, SUITE 600,
SAN DIEGO, CA 92101
PHONE: 619-234-9411
WWW.KIMLEY-HORN.COM

PREPARED BY _____ DATE 11/19/2024

TAMMIE MORENO

RCE NO. 74417 EXP. DATE 09/30/25

Underground Service Alert
CALL BEFORE YOU DIG
Call TOLL FREE
1-800
422-4133
TWO WORKING DAYS BEFORE YOU DIG

BENCH MARK
DESCRIPTON: RIVERSIDE COUNTY BENCHMARK 600-11-68
LOCATION: 4 FEET SOUTH OF THE SOUTH-EAST CORNER OF 7 FT CHAIN LINK FENCE OF S.C.E. MURRIETA SUBSTATION #2
RECORDED: 07-26-1982
ELEVATION: 1050.946 DATUM: NGVD1929

APPROVED FOR SIGNATURE

TODD L. PITNER
MICHAEL BAKER INTERNATIONAL
RCE NO. 58606

11-26-24
DATE

DATE	INITIAL	REVISION DESCRIPTION	SHT. NO.	DATE	INITIAL
		ENGINEER OF WORK			CITY APPROVAL

WDID # 9 33C401926

SHEET 2 | CITY OF MURRIETA ENGINEERING DEPARTMENT | SHEETS 37

STREET IMPROVEMENT PLAN
TENTATIVE PARCEL MAP 38373

GENERAL NOTES

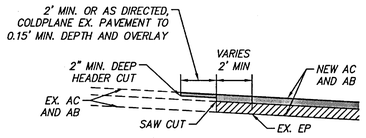
APPROVED
ROBERT K. MOEHLING DATE 12/19/24
DIRECTOR OF PUBLIC WORKS / CITY ENGINEER RCE 63056

DWN BY: CR
CHKD BY: TM
FIELD BK: _____

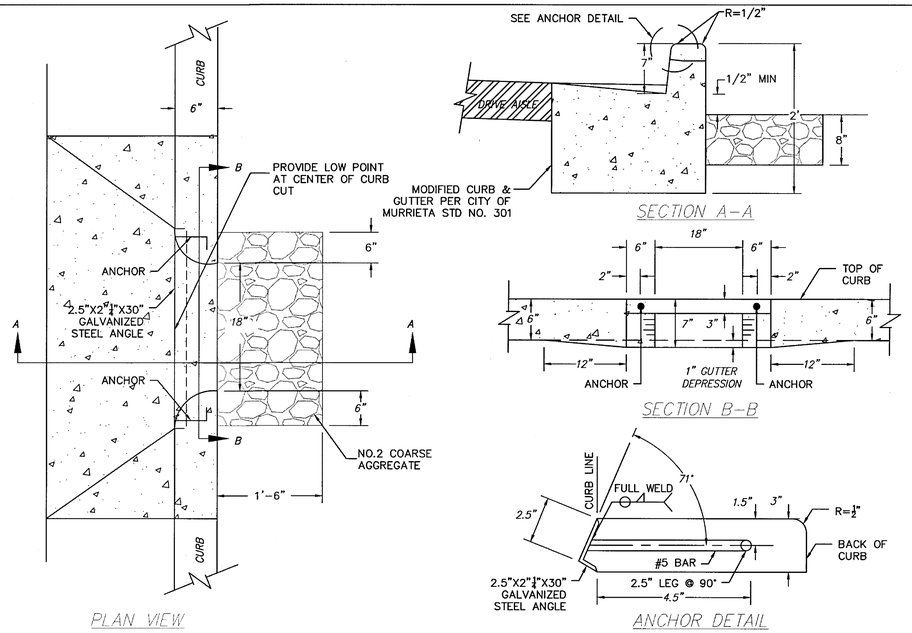
PROJECT NO. ENC-PC-IMP-2023-00010

DRAWING NO. 24-571

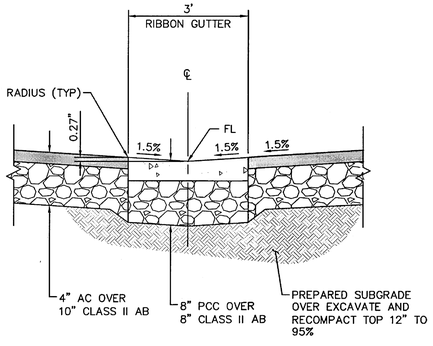
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DETAIL #1: SAWCUT, GRIND & OVERLAY (9)
NOT TO SCALE

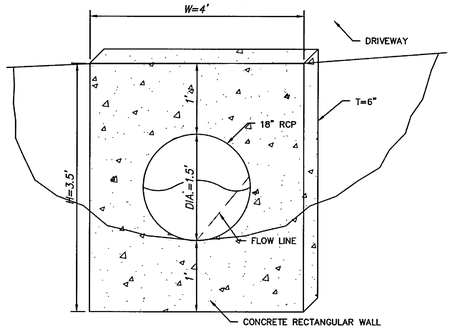


DETAIL #4: CURB CUT (54)
NOT TO SCALE

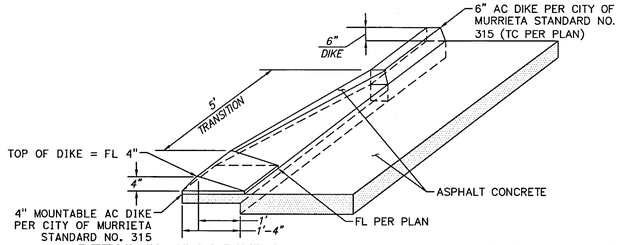


NOTES:
1. CONCRETE SHALL BE 560-C-3250.
2. SEE STANDARD DRAWING G-10 FOR JOINT DETAILS.

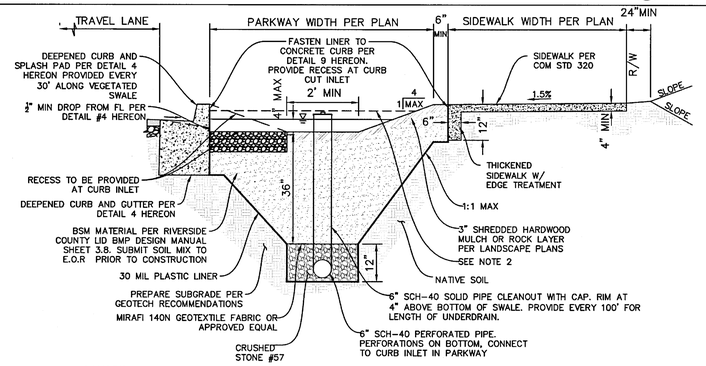
DETAIL #5: RIBBON GUTTER (59)
NOT TO SCALE



DETAIL #6: CULVERT RECTANGULAR WALL (73)
NOT TO SCALE

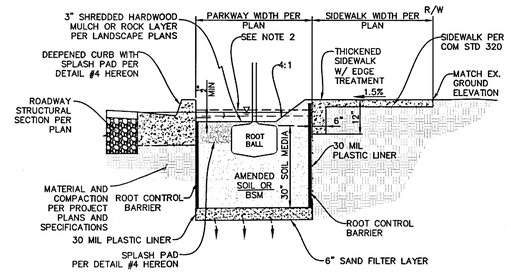


DETAIL #2: 6" AC DIKE TRANSITION TO 4" MOUNTABLE AC DIKE (68)
NOT TO SCALE



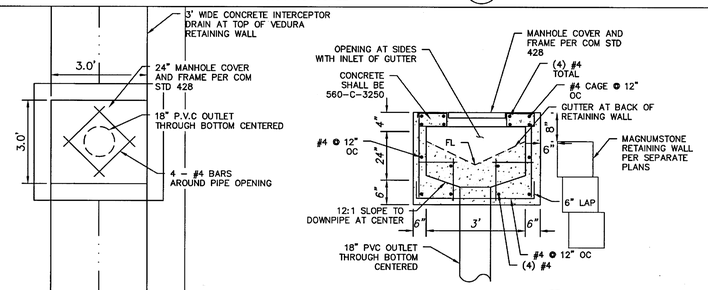
1. CONCRETE CHECK DAMS SHALL BE SPACED EVERY 30 LINEAR FEET OF CURB FACE
2. CONCRETE CHECK DAM TO BE INSTALLED 4" BELOW TOP OF CURB ELEVATION, AND SHALL BE PROVIDED EVERY 30' BETWEEN TREE WELLS. CHECK DAM CONSTRUCTED PER CITY OF TEMECULA STANDARD DETAIL 953

DETAIL #3: BIOFILTRATION SWALE (66)
NOT TO SCALE

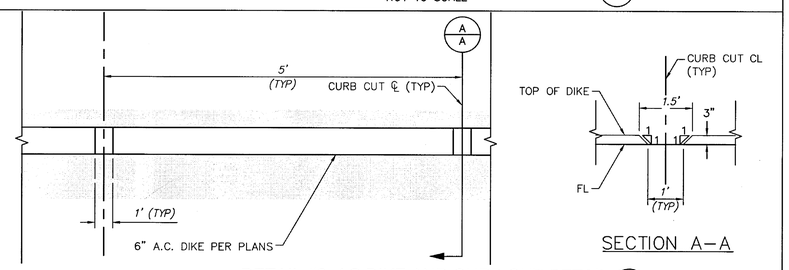


1. CURB CUT WIDTH SHALL BE 18" AND SPACED EVERY 30 LINEAR FEET OF CURB FACE OR AS SPECIFIED ON THE PLANS. CURB CUTS PROVIDED AT EACH TREE LOCATION
2. CONCRETE CHECK DAMN TO BE INSTALLED 4" BELOW TOP OF CURB ELEVATION, AND SHALL BE PROVIDED EVERY 30' BETWEEN TREE WELLS. CHECK DAMN CONSTRUCTED PER CITY OF TEMECULA STANDARD DETAIL 953

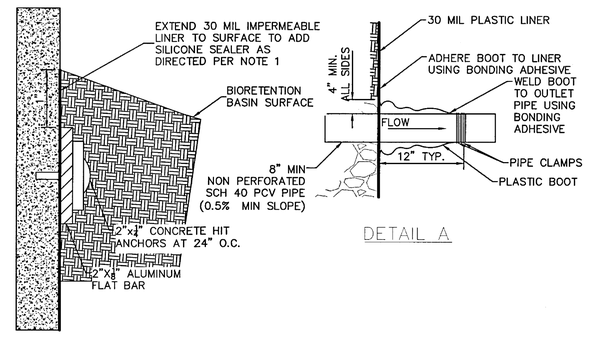
DETAIL #10: TREE WELL IN LANDSCAPE (14)
NOT TO SCALE



DETAIL #7: MODIFIED CATCH BASIN (74)
NOT TO SCALE



DETAIL #8: AC DIKE AND CURB CUT DETAIL (77)
NOT TO SCALE



DETAIL #9: IMPERMEABLE LINER PENETRATION
NOT TO SCALE

"AS BUILT"

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ENGINEER OF WORK — DATE

RCE NO. — EXPIRATION DATE

SEAL: REGISTERED PROFESSIONAL ENGINEER — TAMMIE C. MORENO — No. 74417 — CIVIL — STATE OF CALIFORNIA

SCALE: HORIZONTAL AS NOTED; VERTICAL AS NOTED

Kimley»Horn
401 B STREET, SUITE 600,
SAN DIEGO, CA 92101
PHONE: 619-234-9411
WWW.KIMLEY-HORN.COM

PREPARED BY — DATE 11/20/2024
TAMMIE MORENO
RCE NO. 74417 — EXP. DATE 09/30/25

SHT. NO.	REVISION DESCRIPTION	DATE	INITIAL
ENGINEER OF WORK			
CITY APPROVAL			

Underground Service Alert — DIG BEFORE YOU DIG — Call TOLL FREE 1-800 422-4133 — TWO WORKING DAYS BEFORE YOU DIG

BENCH MARK
DESCRIPTON: RIVERSIDE COUNTY BENCHMARK 600-11-68
LOCATION: 4 FEET SOUTH OF THE SOUTH-EAST CORNER OF 7 FT CHAIN LINK FENCE OF S.C.E. MURRIETA SUBSTATION #2
RECORDED: 07-26-1982
ELEVATION: 1050.946 DATUM: NGVD1929

APPROVED FOR SIGNATURE
TODD L. PITNER
MICHAEL BAKER INTERNATIONAL
RCE NO. 58606
11-26-24 DATE

WDID #: 9 33C401926

SHEET	CITY OF MURRIETA — ENGINEERING DEPARTMENT	SHEETS
3		37

STREET IMPROVEMENT PLAN
TENTATIVE PARCEL MAP 38373

CONSTRUCTION DETAILS

APPROVED
ROBERT K. MOEHLING
DIRECTOR OF PUBLIC WORKS / CITY ENGINEER — RCE 63056 — DATE 12/19/24

DWN BY: CR
CHKD BY: TM
FIELD BK:

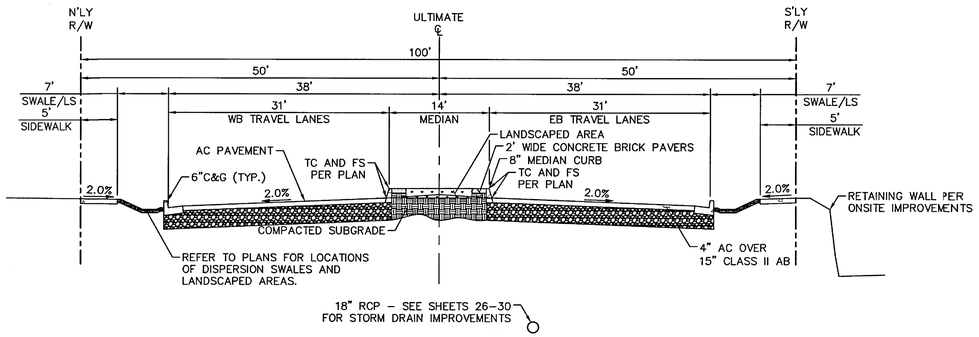
PROJECT NO. ENC-PC-IMP-2023-00010

DRAWING NO. 24-572

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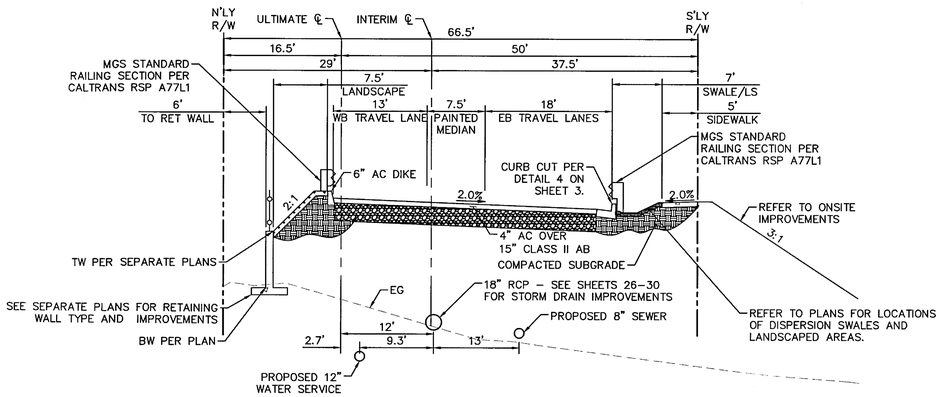
ENGINEER'S NOTE(S)

1. ALL STATIONING PER ULTIMATE ALIGNMENT.
2. ALL STATION RANGES ROUNDED TO NEAREST 00+25.
3. NOT ALL STATION RANGES COVERED. REFER TO PLANS FOR ADDITIONAL DETAILS.



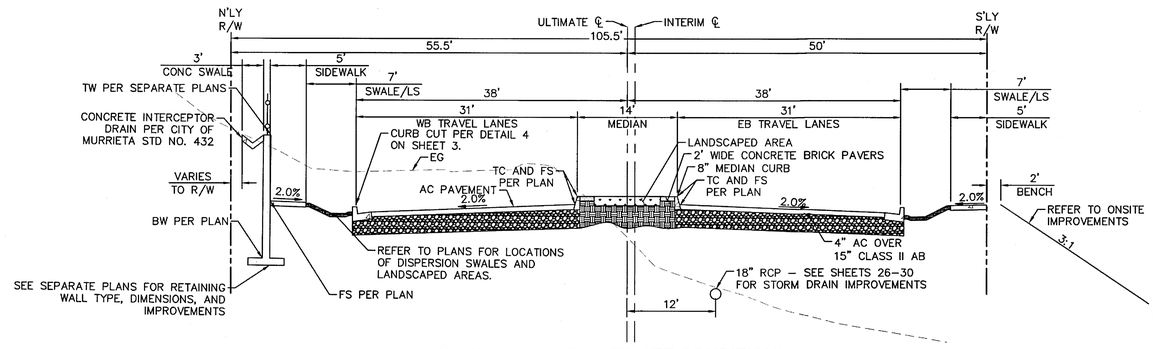
MONROE AVENUE (ULTIMATE CONDITION)

MAJOR HIGHWAY
(PER CITY OF MURRIETA STD. NO 103 (MOD A))
STA. 49+00 TO 54+00



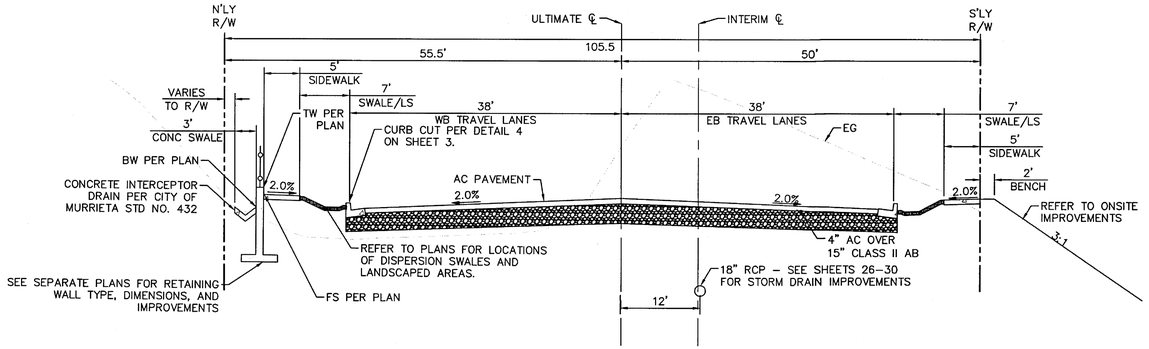
MONROE AVENUE (INTERIM CONDITION)

NOT TO SCALE
STA. 62+00



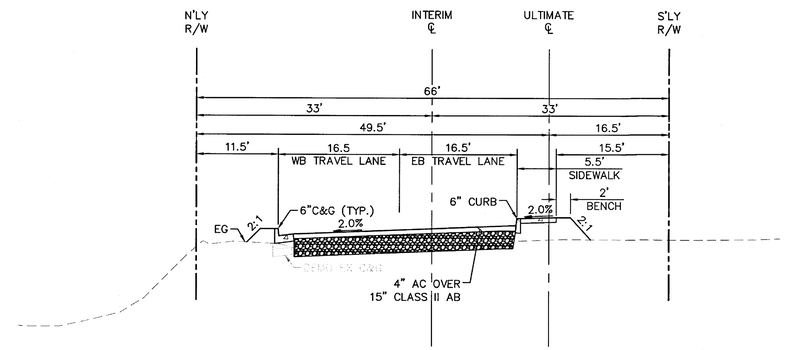
MONROE AVENUE (ULTIMATE CONDITION)

MAJOR HIGHWAY
(PER CITY OF MURRIETA STD. NO 103 (MOD A))
STA. 58+00 TO 58+50



MONROE AVENUE (INTERIM CONDITION)

NOT TO SCALE
STA. 59+50 TO 61+00.00



MONROE AVENUE (INTERIM CONDITION)

NOT TO SCALE
STA. 64+00 TO 65+00

WDID #: 9 33C401926

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SCALE
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PREPARED BY — DATE 11/19/2024
TAMMIE MORENO
RCE NO. 74417 — EXP. DATE 09/30/25

DATE	INITIAL	REVISION DESCRIPTION	SHT. NO.	DATE	INITIAL

ENGINEER OF WORK — CITY APPROVAL

Underground Service Alert
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422-4133
TWO WORKING DAYS BEFORE YOU DIG

BENCH MARK
DESCRIPTION: RIVERSIDE COUNTY BENCHMARK 600-11-68
LOCATION: 4 FEET SOUTH OF THE SOUTH-EAST CORNER OF 7 FT CHAIN LINK FENCE OF S.C.E. MURRIETA SUBSTATION #2
RECORDED: 07-26-1982
ELEVATION: 1050.946 DATUM: NGVD1929

APPROVED FOR SIGNATURE
TODD L. PITNER
MICHAEL BAKER INTERNATIONAL
RCE NO. 58606
11-26-24
DATE

SHEET	CITY OF MURRIETA ENGINEERING DEPARTMENT	SHEETS
4		37

STREET IMPROVEMENT PLAN
TENTATIVE PARCEL MAP 38373

CROSS SECTIONS

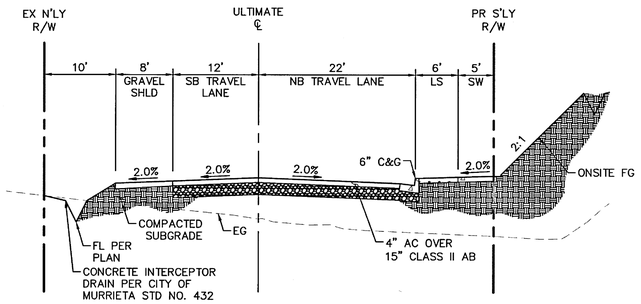
APPROVED
ROBERT K. MOEHLING — DATE 12/19/24
DIRECTOR OF PUBLIC WORKS / CITY ENGINEER — RCE 63056

DWN BY: CR
CHKD BY: TM
FIELD BK:

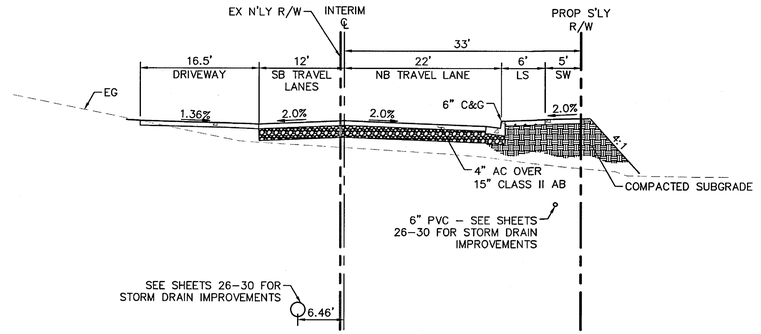
PROJECT NO. ENC-PC-IMP-2023-00010

DRAWING NO. 24-573

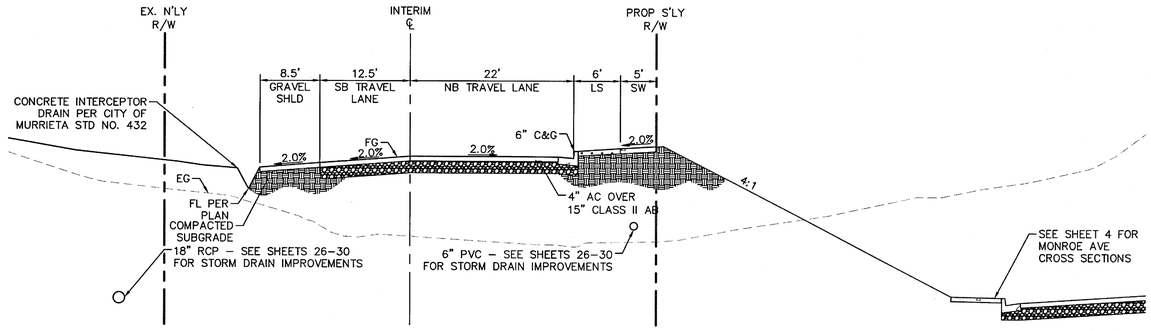
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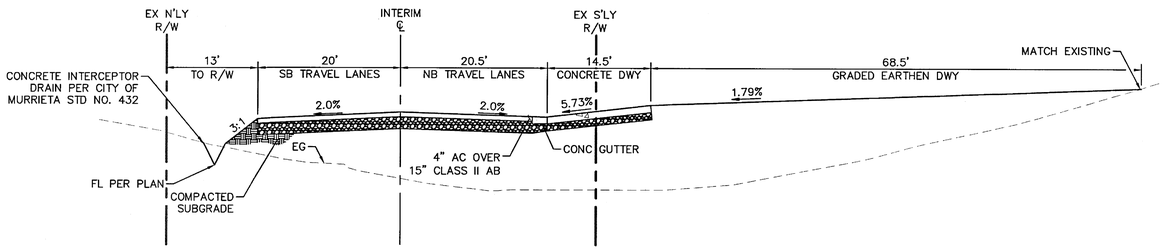
VISTA MURRIETA ROAD
COLLECTOR STREET
(PER CITY OF MURRIETA STD. NO 105 (SECTION A), WITH MODIFIED SIDEWALK)
STA. 13+50



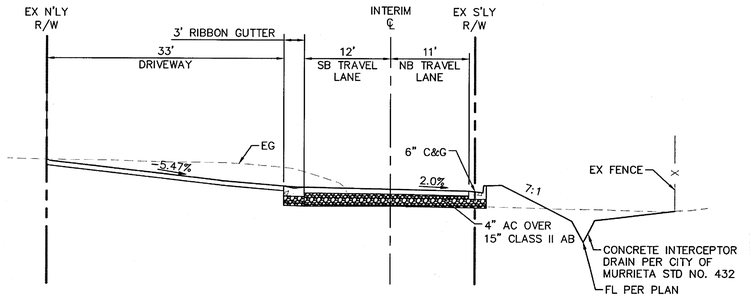
VISTA MURRIETA ROAD
COLLECTOR STREET
(PER CITY OF MURRIETA STD. NO 105 (SECTION A), WITH MODIFIED SIDEWALK)
STA. 18+25



VISTA MURRIETA ROAD
COLLECTOR STREET
(PER CITY OF MURRIETA STD. NO 105 (SECTION A), WITH MODIFIED SIDEWALK)
STA. 18+50 TO 23+00



VISTA MURRIETA ROAD
NOT TO SCALE
STA. 23+75



VISTA MURRIETA ROAD
NOT TO SCALE
STA. 25+50

WDID #: 9 33C401926

"AS BUILT"

THE RECEIPT OF AS-BUILT PLANS AND CITY'S ACCEPTANCE THEREOF DOES NOT ABSOLVE THE ENGINEER OF WORK OF ANY RESPONSIBILITY FOR THE PROJECT DESIGN.

ENGINEER OF WORK — DATE

RCE NO. — EXPIRATION DATE

SEAL: REGISTERED PROFESSIONAL ENGINEER TAMMIE C. MORENO No. 74417 CIVIL STATE OF CALIFORNIA

SCALE
HORIZONTAL: AS NOTED
VERTICAL: AS NOTED

Kimley»Horn
401 B STREET, SUITE 600,
SAN DIEGO, CA 92101
PHONE: 619-234-9411
WWW.KIMLEY-HORN.COM

PREPARED BY — DATE 11/19/2024
TAMMIE MORENO
RCE NO. 74417 EXP. DATE 09/30/25

Underground Service Alert
Call TOLL FREE 1-800 422-4133
TWO WORKING DAYS BEFORE YOU DIG

BENCH MARK
DESCRIPTION: RIVERSIDE COUNTY BENCHMARK 600-11-68
LOCATION: 4 FEET SOUTH OF THE SOUTH-EAST CORNER OF 7 FT CHAIN LINK FENCE OF S.C.E. MURRIETA SUBSTATION #2
RECORDED: 07-26-1982
ELEVATION: 1050.946 DATUM: NGVD1929

APPROVED FOR SIGNATURE
TODD L. PITNER
MICHAEL BAKER INTERNATIONAL
RCE NO. 58606
11-26-24 DATE

DATE	INITIAL	REVISION DESCRIPTION	SHT. NO.	DATE	INITIAL
ENGINEER OF WORK				CITY APPROVAL	

SHEET 5 — CITY OF MURRIETA, ENGINEERING DEPARTMENT — SHEETS 37

STREET IMPROVEMENT PLAN
TENTATIVE PARCEL MAP 38373

CROSS SECTIONS

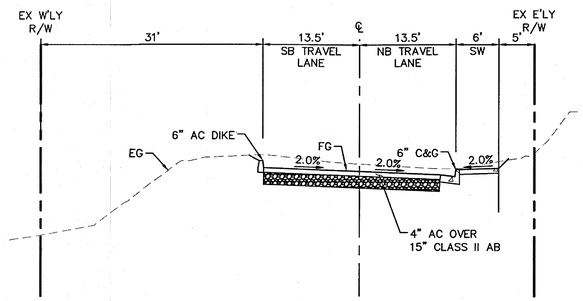
APPROVED
ROBERT K. MOEHLING — DATE 12/19/24
DIRECTOR OF PUBLIC WORKS / CITY ENGINEER — RCE 63056

DWN BY: CR
CHKD BY: TM
FIELD BK:

PROJECT NO. ENC-PC-IMP-2023-00010

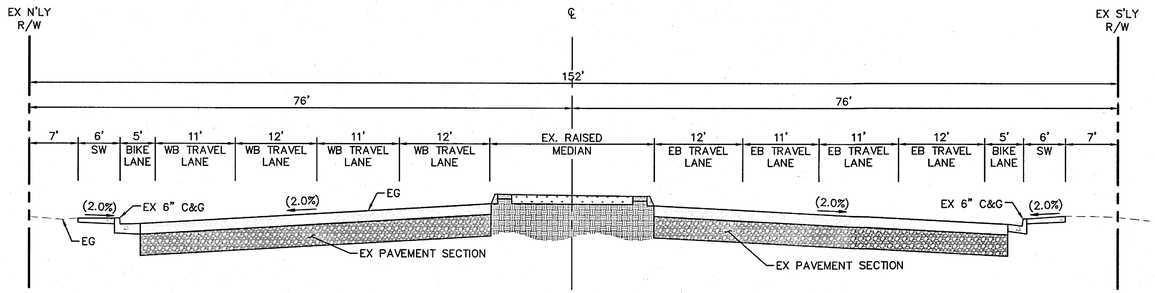
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Plotted By: Rokosz, Cody Sheet Set:Kha Layout:TX02 November 19, 2024 01:00:14pm K:\SND_LDEV\195120004 - the terraces murrieta\Design\plansheets - street improvements\120004-TX01.dwg
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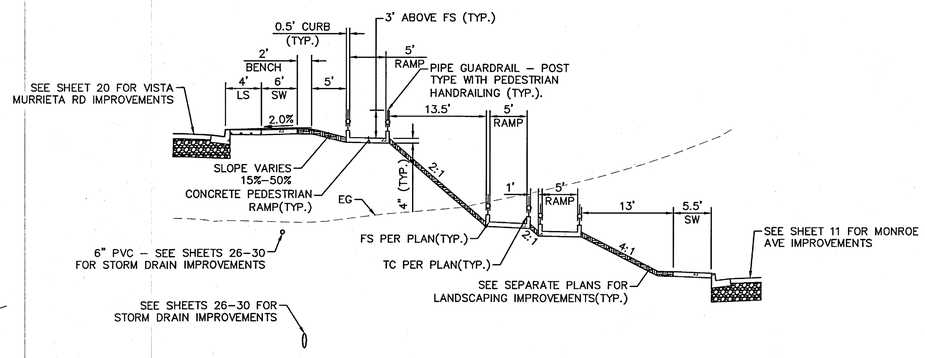
WALSH CENTER DRIVE

NOT TO SCALE
STA. 300+75.00 TO 301+50.00



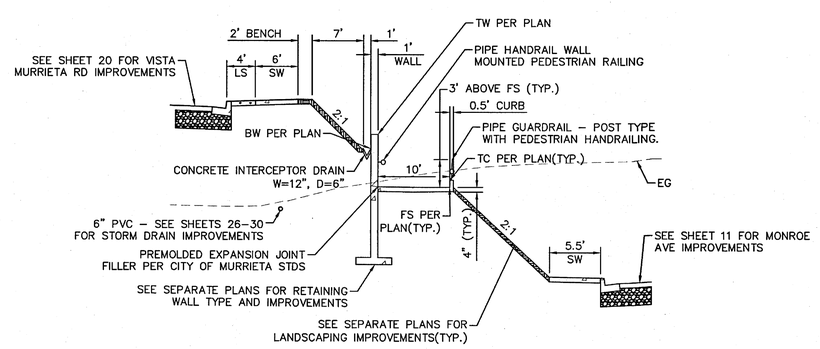
MURRIETA HOT SPRINGS ROAD (EXISTING)

NOT TO SCALE



PEDESTRIAN RAMP CROSS SECTION

NOT TO SCALE
PEDESTRIAN RAMP CENTERLINE STA. 10+25.00



PEDESTRIAN RAMP CROSS SECTION

NOT TO SCALE
PEDESTRIAN RAMP CENTERLINE STA. 10+75.00

WDID #: 9 33C401926

"AS BUILT"

THE RECEIPT OF AS-BUILT PLANS AND CITY'S ACCEPTANCE THEREOF DOES NOT ABSOLVE THE ENGINEER OF WORK OF ANY RESPONSIBILITY FOR THE PROJECT DESIGN.

ENGINEER OF WORK — DATE

RCE NO. — EXPIRATION DATE

SEAL: REGISTERED PROFESSIONAL ENGINEER — TAMMIE C. MORENO — No. 74417 — CIVIL — STATE OF CALIFORNIA

SCALE
HORIZONTAL: AS NOTED
VERTICAL: AS NOTED

Kimley»Horn
401 B STREET, SUITE 600,
SAN DIEGO, CA 92101
PHONE: 619-234-9411
WWW.KIMLEY-HORN.COM

PREPARED BY — DATE 11/19/2024
TAMMIE MORENO
RCE NO. 74417 — EXP. DATE 09/30/25

DATE	INITIAL	REVISION DESCRIPTION	SHT. NO.	DATE	INITIAL
ENGINEER OF WORK				CITY APPROVAL	

Underground Service Alert
Call TOLL FREE
1-800
422-4133
TWO WORKING DAYS BEFORE YOU DIG

BENCH MARK
DESCRIPTON: RIVERSIDE COUNTY BENCHMARK 600-11-68
LOCATION: 4 FEET SOUTH OF THE SOUTH-EAST CORNER OF 7 FT CHAIN LINK FENCE OF S.C.E. MURRIETA SUBSTATION #2
RECORDED: 07-26-1982
ELEVATION: 1050.946 DATUM: NGVD1929

APPROVED FOR SIGNATURE
Todd L Pitner
TODD L PITNER
MICHAEL BAKER INTERNATIONAL
RCE NO. 58606
11-26-24 DATE

SHEET 6 — CITY OF MURRIETA, ENGINEERING DEPARTMENT — SHEETS 37

STREET IMPROVEMENT PLAN
TENTATIVE PARCEL MAP 38373

CROSS SECTIONS

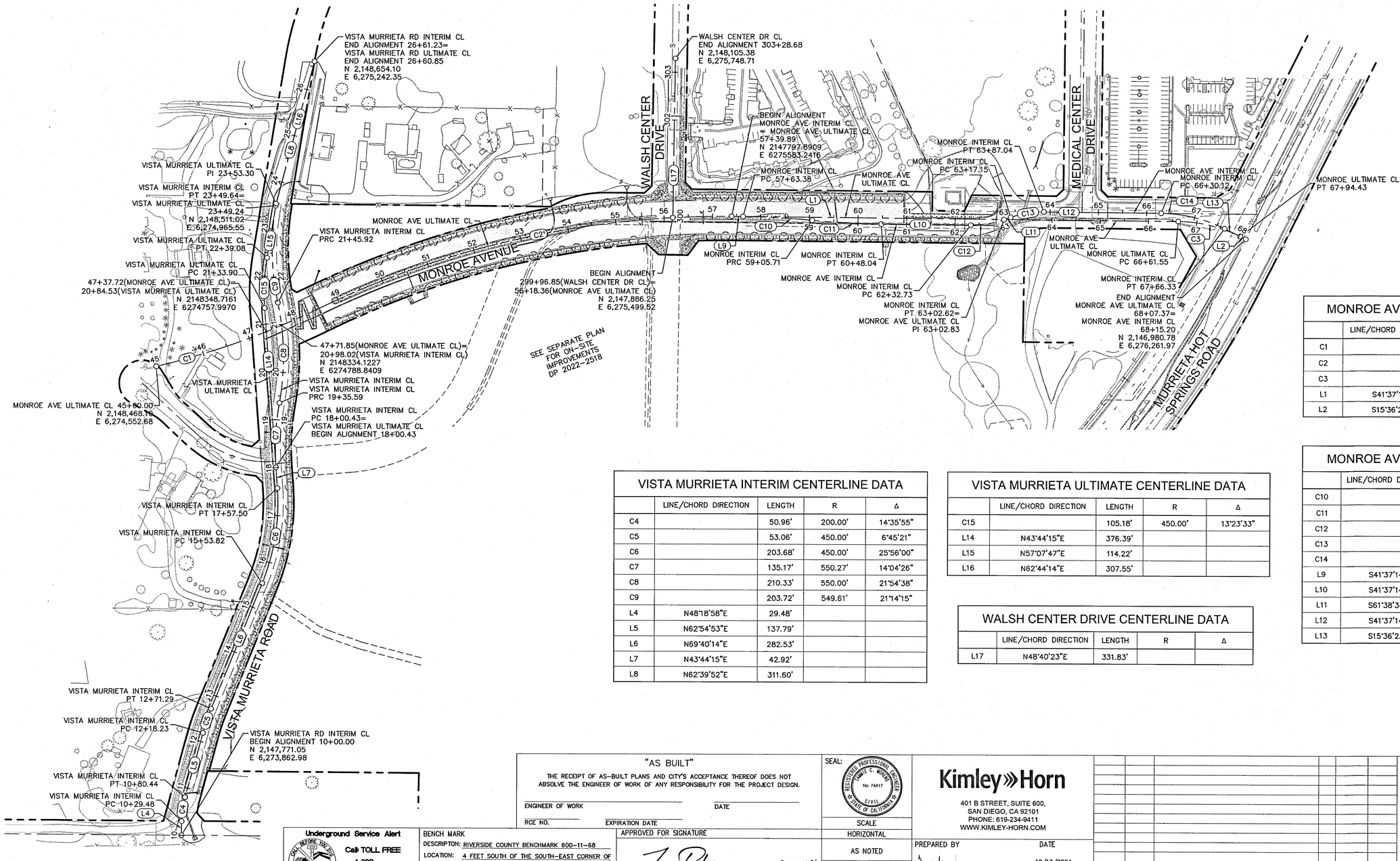
APPROVED
ROBERT K. MOEHLING
DIRECTOR OF PUBLIC WORKS / CITY ENGINEER — DATE 12/19/24 — RCE 63056

DWN BY: CR
CHKD BY: TM
FIELD BK:

PROJECT NO. ENC-PC-IMP-2023-00010

DRAWING NO. 24-575

Plotted By: Plotosz, Cody Sheet Set: Kha Layout: TX03 November 19, 2024 - 01:00:39pm K:\SND_LDEV\185\120004 - the terraces murrieta\Dwg\plotsheets - street improvements\120004-TX01.dwg
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MONROE AVE ULTIMATE CENTERLINE DATA

	LINE/CHORD DIRECTION	LENGTH	R	Δ
C1		355.69'	1,603.99'	12°42'20"
C2		884.19'	1,900.00'	26°39'48"
C3		132.88'	292.66'	26°00'51"
L1	S41°37'14"E	921.66'		
L2	S15°36'23"E	12.94'		

MONROE AVE INTERIM CENTERLINE DATA

	LINE/CHORD DIRECTION	LENGTH	R	Δ
C10		142.33'	1,600.00'	5°05'49"
C11		142.33'	1,600.00'	5°05'49"
C12		69.89'	200.00'	20°01'20"
C13		69.89'	200.00'	20°01'20"
C14		136.21'	300.00'	26°00'51"
L9	S41°37'14"E	23.50'		
L10	S41°37'14"E	184.68'		
L11	S61°38'34"E	14.54'		
L12	S41°37'14"E	243.08'		
L13	S15°36'23"E	48.87'		

VISTA MURRIETA INTERIM CENTERLINE DATA

	LINE/CHORD DIRECTION	LENGTH	R	Δ
C4		50.96'	200.00'	14°35'55"
C5		53.06'	450.00'	6°45'21"
C6		203.68'	450.00'	25°56'00"
C7		135.17'	550.27'	14°04'26"
C8		210.33'	550.00'	21°54'38"
C9		203.72'	549.61'	21°14'15"
L4	N48°18'58"E	29.48'		
L5	N62°54'53"E	137.79'		
L6	N69°40'14"E	282.53'		
L7	N43°44'15"E	42.92'		
L8	N62°39'52"E	311.60'		

VISTA MURRIETA ULTIMATE CENTERLINE DATA

	LINE/CHORD DIRECTION	LENGTH	R	Δ
C15		105.18'	450.00'	13°23'33"
L14	N43°44'15"E	376.39'		
L15	N57°07'47"E	114.22'		
L16	N62°44'14"E	307.55'		

WALSH CENTER DRIVE CENTERLINE DATA

	LINE/CHORD DIRECTION	LENGTH	R	Δ
L17	N48°40'23"E	331.83'		

GRAPHIC SCALE IN FEET
0 50 100 200

NORTH

WDID #: 9 33C401926

"AS BUILT"

THE RECEIPT OF AS-BUILT PLANS AND CITY'S ACCEPTANCE THEREOF DOES NOT ABSOLVE THE ENGINEER OF WORK OF ANY RESPONSIBILITY FOR THE PROJECT DESIGN.

ENGINEER OF WORK — DATE

RCE NO. — EXPIRATION DATE

Underground Service Alert
Call TOLL FREE
1-800
422-4133
TWO WORKING DAYS BEFORE YOU DIG

BENCH MARK
DESCRIPTON: RIVERSIDE COUNTY BENCHMARK 600-11-68
LOCATION: 4 FEET SOUTH OF THE SOUTH-EAST CORNER OF 7 FT CHAIN LINK FENCE OF S.C.E. MURRIETA SUBSTATION #2
RECORDED: 07-26-1982
ELEVATION: 1050.946 DATUM: NGVD1929

APPROVED FOR SIGNATURE
TODD L. PITNER
MICHAEL BAKER INTERNATIONAL
RCE NO. 58606
12-17-24
DATE

SEAL: REGISTERED PROFESSIONAL ENGINEER — JAIME C. MORENO — No. 74417 — CIVIL — STATE OF CALIFORNIA

SCALE
HORIZONTAL
AS NOTED
VERTICAL
AS NOTED

Kimley»Horn
401 B STREET, SUITE 600,
SAN DIEGO, CA 92101
PHONE: 619-234-9411
WWW.KIMLEY-HORN.COM

PREPARED BY — DATE
12/13/2024
TAMMIE MORENO
RCE NO. 74417 EXP. DATE 09/30/25

DATE	INITIAL	REVISION DESCRIPTION	SHT. NO.	DATE	INITIAL

ENGINEER OF WORK — CITY APPROVAL

SHEET 7 — CITY OF MURRIETA, ENGINEERING DEPARTMENT — SHEETS 37

STREET IMPROVEMENT PLAN
TENTATIVE PARCEL MAP 38373

HORIZONTAL CONTROL PLAN

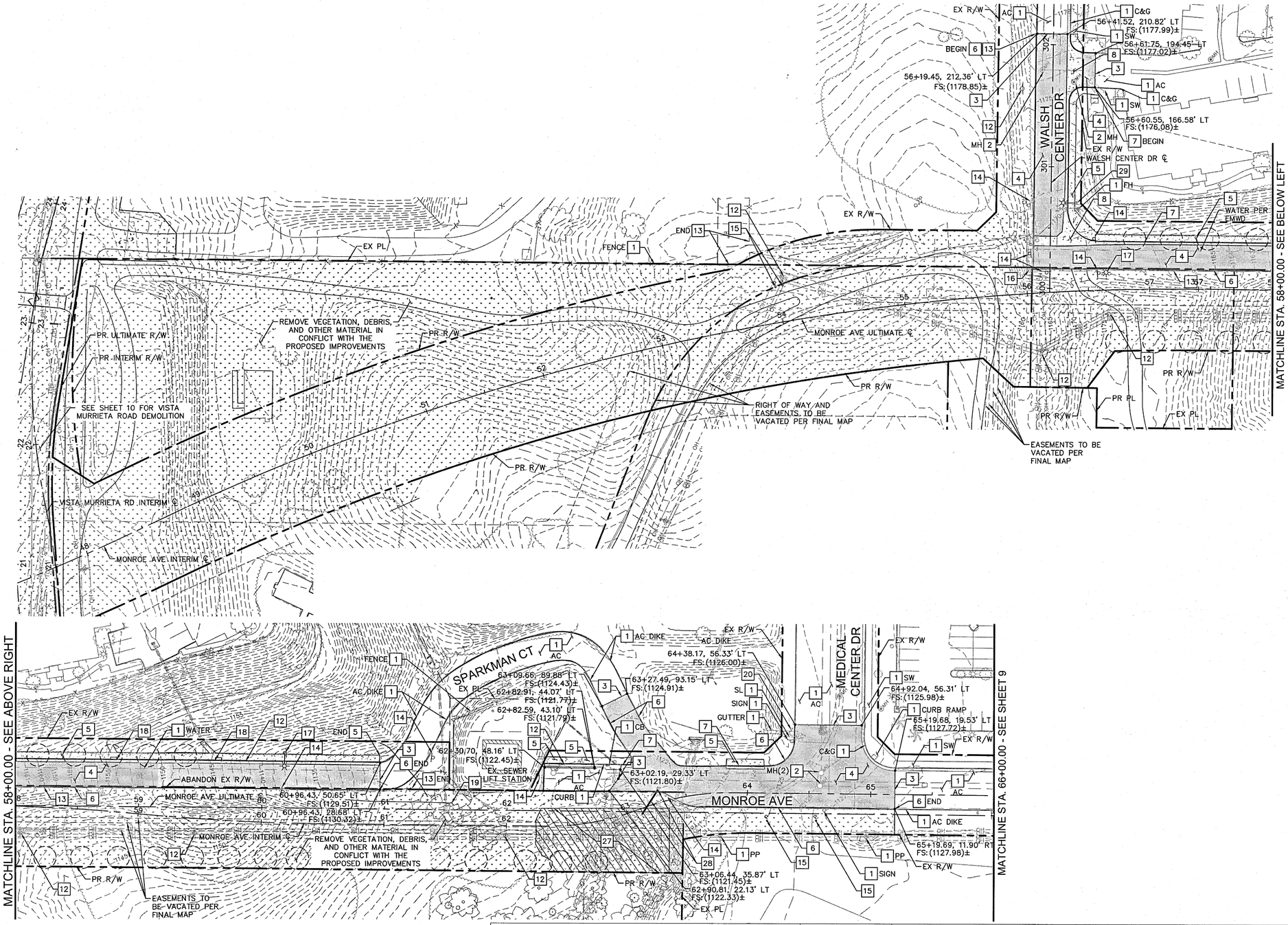
APPROVED
ROBERT K. MOEHLING — DATE 12/19/24
DIRECTOR OF PUBLIC WORKS / CITY ENGINEER — RCE 63056

DWN BY: CR
CHKD BY: TM
FIELD BK:

PROJECT NO. ENC-PC-IMP-2023-00010

DRAWING NO. 24-570

Plotted By: Rokenic, Cody; Sheet Set/Xref Layout:HV01 ; December 13, 2024 - 01:36:34pm K:\SND_LDEV\195\120004 - The Terraces Murrieta\Design\Plan Sheets - Street Improvements\120004-HV01.dwg
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DEMOLITION NOTES

1. PROTECT IN PLACE. ITEM PER PLAN.
2. ADJUST MANHOLE TO PROPOSED GRADE.
3. SAWCUT AND JOIN EXISTING PAVEMENT PER DETAIL 1 ON SHEET 3.
4. REMOVE AND DISPOSE OF FULL DEPTH ASPHALT PAVEMENT, CONCRETE, AND BASE COURSE REMOVAL INCLUDING PAVEMENT FABRICS.
5. REMOVE EXISTING CONCRETE SIDEWALK.
6. REMOVE EXISTING AC DIKE.
7. REMOVE EXISTING CONCRETE CURB OR CURB AND GUTTER.
8. REMOVE AND DISPOSE OF EXISTING CONCRETE CROSS GUTTER AND SPANDREL.
12. EXISTING SCE OVERHEAD POLE TO BE RELOCATED PER SEPARATE SCE DESIGN. COORDINATE WITH UTILITY PURVEYOR PRIOR TO CONSTRUCTION.
13. REMOVE EXISTING CHAIN LINK FENCE.
14. REMOVE EXISTING SIGN.
15. REMOVE EXISTING POLE.
16. REMOVE AND RELOCATE EXISTING FIRE HYDRANT.
17. REMOVE EXISTING STREET LIGHT.
18. REMOVE EXISTING CURB INLET.
19. REMOVE EXISTING CONCRETE WALL.
20. REMOVE EXISTING TREE.
27. REMOVE VEGETATION, RIP RAP, AND CLEAR AND GRUB WITHIN JURISIDCTIONAL AREA. DEMOLITION PER CONDITIONS WITHIN CDFW AGREEMENT EPIMS-RIV-38196. CONTRACTOR TO COORDINATE WITH CDFW PRIOR TO DISTURBANCE WITHIN AREA.
28. REMOVE EXISTING CATCH BASIN AND ENTIRE SPAN OF ASSOCIATED DRAINAGE PIPE OUTLETTING SOUTH
29. SEE SHEET 35 FOR STREET LIGHT RELOCATION.

ENGINEER'S NOTE(S)

1. REFER TO SIGNING AND MARKING PLANS FOR DISPOSAL, RELOCATION, OR NEW INSTALLATION OF ALL PAVEMENT MARKINGS AND SIGNS.

WDID #: 9 33C401926

"AS BUILT"

THE RECEIPT OF AS-BUILT PLANS AND CITY'S ACCEPTANCE THEREOF DOES NOT ABSOLVE THE ENGINEER OF WORK OF ANY RESPONSIBILITY FOR THE PROJECT DESIGN.

ENGINEER OF WORK _____ DATE _____

RCE NO. _____ EXPIRATION DATE _____

SEAL: REGISTERED PROFESSIONAL ENGINEER TAMMIE C. MORENO No. 74417 CIVIL STATE OF CALIFORNIA

SCALE
HORIZONTAL: AS NOTED
VERTICAL: AS NOTED

Kimley»Horn
401 B STREET, SUITE 600,
SAN DIEGO, CA 92101
PHONE: 619-234-9411
WWW.KIMLEY-HORN.COM

PREPARED BY _____ DATE 11/19/2024
TAMMIE MORENO
RCE NO. 74417 EXP. DATE 09/30/25

DATE	INITIAL	REVISION DESCRIPTION

ENGINEER OF WORK

SHT. NO.	DATE	INITIAL

CITY APPROVAL

Underground Service Alert
DIG ALERT
Call TOLL FREE
1-800
422-4133
TWO WORKING DAYS BEFORE YOU DIG

BENCH MARK
DESCRIPTION: RIVERSIDE COUNTY BENCHMARK 600-11-68
LOCATION: 4 FEET SOUTH OF THE SOUTH-EAST CORNER OF 7 FT CHAIN LINK FENCE OF S.C.E. MURRIETA SUBSTATION #2
RECORDED: 07-26-1982
ELEVATION: 1050.946 DATUM: NGVD1929

APPROVED FOR SIGNATURE
TODD L. PITNER
MICHAEL BAKER INTERNATIONAL
RCE NO. 58606
11-26-24
DATE

SHEET 8 | CITY OF MURRIETA ENGINEERING DEPARTMENT | SHEETS 37

STREET IMPROVEMENT PLAN
TENTATIVE PARCEL MAP 38373

MONROE AVE DEMOLITION PLAN

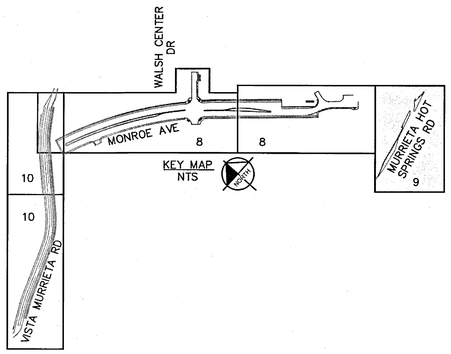
APPROVED
ROBERT K. MOEHLING DATE 12/19/24
DIRECTOR OF PUBLIC WORKS / CITY ENGINEER RCE 63056

DWN BY: CR
CHKD BY: TM
FIELD BK: _____

PROJECT NO. ENC-PC-IMP-2023-00010

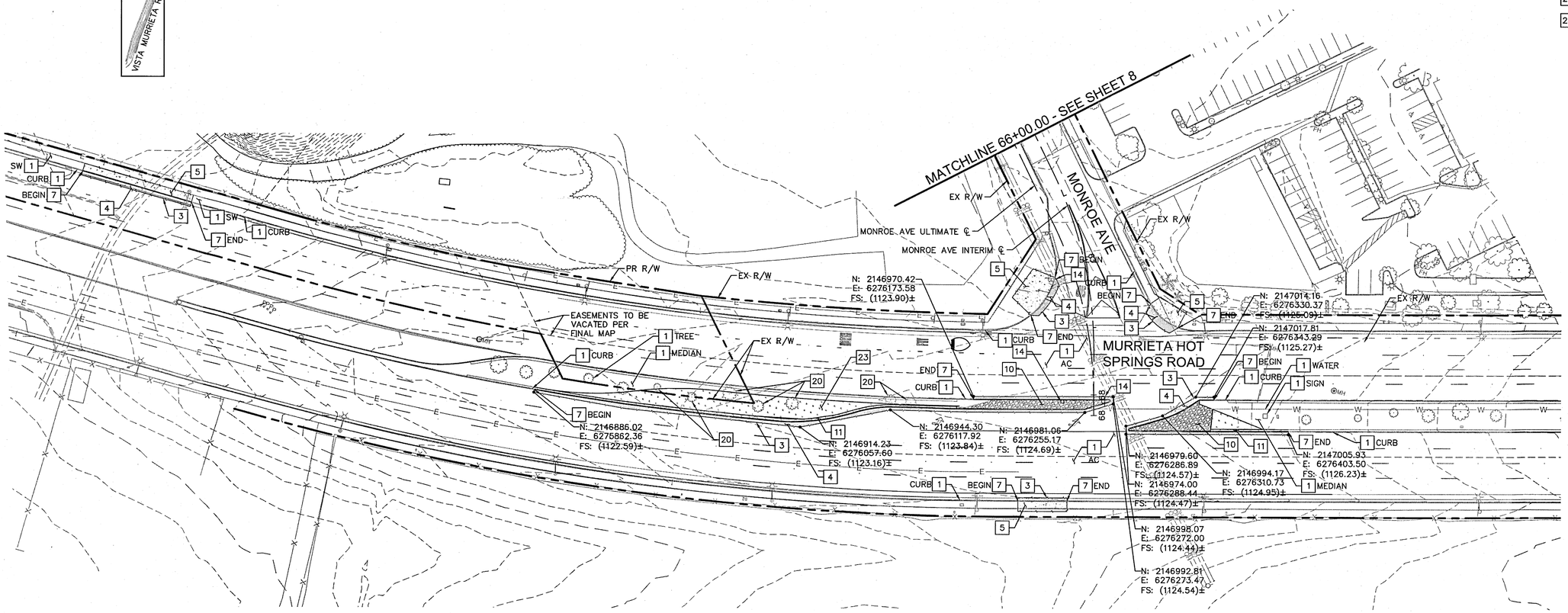
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Plotted By:Rokosz, Cody Sheet Set:Ina Layout:DM01 November 19, 2024 01:04:06pm K:\SND_LDEV\195120004 - the terraces murrieta\Design\plansheets - street improvements\120004-DM01.dwg
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DEMOLITION NOTES

1. PROTECT IN PLACE. ITEM PER PLAN.
3. SAWCUT AND JOIN EXISTING PAVEMENT PER DETAIL 1 ON SHEET 3.
4. REMOVE AND DISPOSE OF FULL DEPTH ASPHALT PAVEMENT, CONCRETE, AND BASE COURSE REMOVAL INCLUDING PAVEMENT FABRICS.
5. REMOVE EXISTING CONCRETE SIDEWALK.
7. REMOVE EXISTING CONCRETE CURB OR CURB AND GUTTER.
10. REMOVE EXISTING MORTARED COBBLE MEDIAN.
11. REMOVE EXISTING CONCRETE BRICK PAVERS.
14. REMOVE EXISTING SIGN.
20. REMOVE EXISTING TREE.
23. REMOVE EXISTING LANDSCAPE WITHIN MEDIAN.



ENGINEER'S NOTE(S)

1. REFER TO SIGNING AND MARKING PLANS FOR DISPOSAL, RELOCATION, OR NEW INSTALLATION OF ALL PAVEMENT MARKINGS AND SIGNS.

GRAPHIC SCALE IN FEET
0 20 40 80

NORTH

WDID #: 9 33C401926

"AS BUILT"

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ENGINEER OF WORK — DATE

RCE NO. — EXPIRATION DATE

SEAL: REGISTERED PROFESSIONAL ENGINEER — TAMMIE C. MORENO — No. 74417 — CIVIL — STATE OF CALIFORNIA

SCALE HORIZONTAL: AS NOTED

SCALE VERTICAL: AS NOTED

Kimley»Horn

401 B STREET, SUITE 600,
SAN DIEGO, CA 92101
PHONE: 619-234-9411
WWW.KIMLEY-HORN.COM

PREPARED BY — DATE: 11/19/2024

TAMMIE MORENO
RCE NO. 74417 — EXP. DATE 09/30/25

DATE	INITIAL	REVISION DESCRIPTION	SHT. NO.	DATE	INITIAL

ENGINEER OF WORK — CITY APPROVAL

Underground Service Alert
Call TOLL FREE
1-800
422-4133
TWO WORKING DAYS BEFORE YOU DIG

BENCH MARK
DESCRIPTON: RIVERSIDE COUNTY BENCHMARK 600-11-68
LOCATION: 4 FEET SOUTH OF THE SOUTH-EAST CORNER OF 7 FT CHAIN LINK FENCE OF S.C.E. MURRIETA SUBSTATION #2
RECORDED: 07-26-1982
ELEVATION: 1050.946 DATUM: NGVD1929

APPROVED FOR SIGNATURE

TODD L. PITNER
MICHAEL BAKER INTERNATIONAL
RCE NO. 58606

11-26-24
DATE

SHEET 9 — CITY OF MURRIETA, ENGINEERING DEPARTMENT — SHEETS 37

STREET IMPROVEMENT PLAN
TENTATIVE PARCEL MAP 38373

MURRIETA HOT SPRINGS RD DEMOLITION PLAN

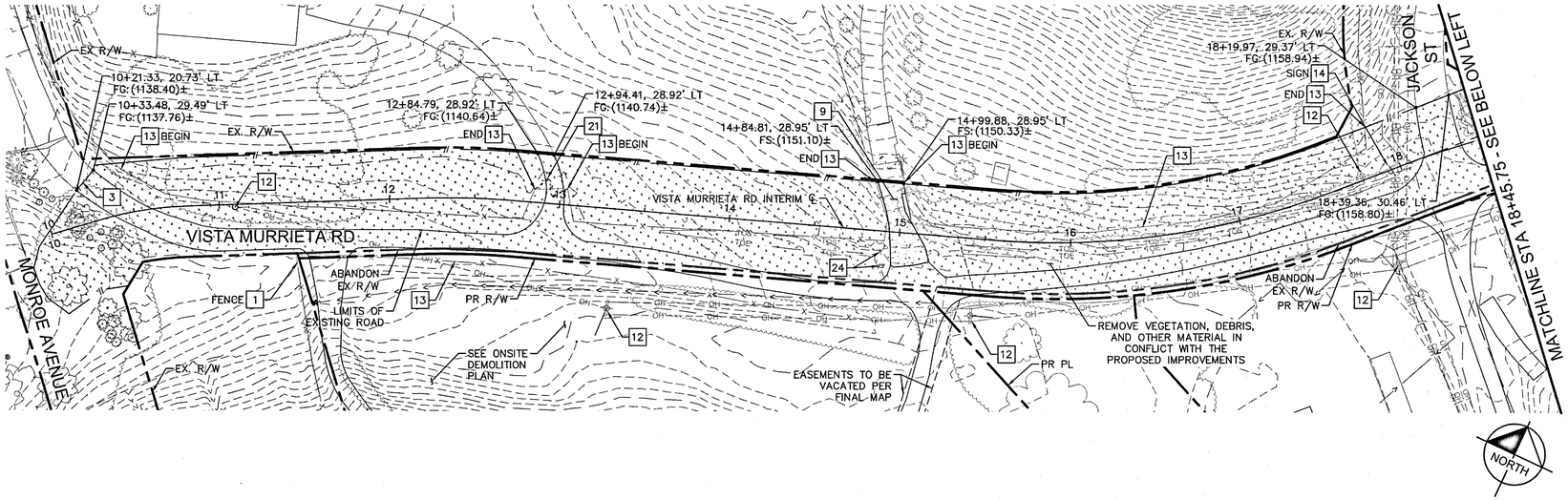
APPROVED
ROBERT K. MOEHLING / DIRECTOR OF PUBLIC WORKS / CITY ENGINEER — DATE 12/19/24 — RCE 63056

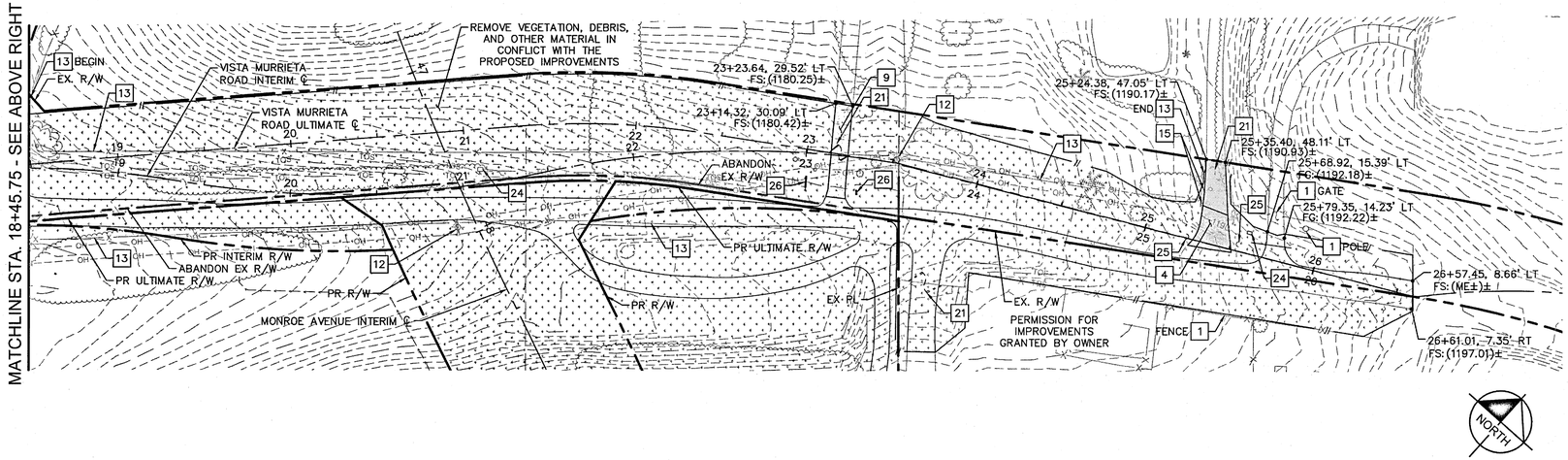
DWN BY: CR
CHKD BY: TM
FIELD BK:

PROJECT NO.
ENC-PC-IMP-2023-00010

DRAWING NO.
24-578

Plotted By:Robosz, Cody Sheet Set:Not Saved Layout:DM02 November 19, 2024 01:04:55pm K:\SND_LDEV\195120004 - the terraces murrieta\Design\plansheets - street improvements\120004-DM01.dwg
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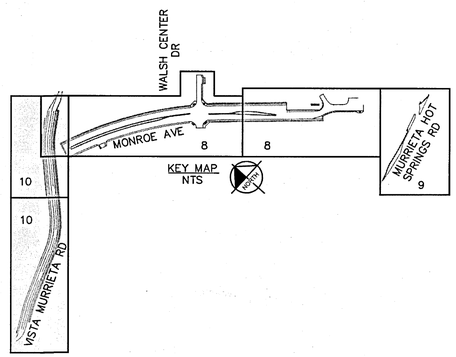


DEMOLITION NOTES

1. PROTECT IN PLACE. ITEM PER PLAN.
3. SAWCUT AND JOIN EXISTING PAVEMENT PER DETAIL 1 ON SHEET 3.
4. REMOVE AND DISPOSE OF FULL DEPTH ASPHALT PAVEMENT, CONCRETE, AND BASE COURSE REMOVAL INCLUDING PAVEMENT FABRICS.
9. REMOVE AND DISPOSE OF EXISTING CONCRETE DRIVEWAY.
12. EXISTING SCE OVERHEAD POLE TO BE RELOCATED PER SEPARATE SCE DESIGN. COORDINATE WITH UTILITY PURVEYOR PRIOR TO CONSTRUCTION.
13. REMOVE EXISTING CHAIN LINK FENCE.
14. REMOVE EXISTING SIGN.
15. REMOVE EXISTING POLE.
21. REMOVE EXISTING GATE.
24. REMOVE AND RELOCATE BY OTHERS. CONTRACTOR TO COORDINATE WITH UTILITY PROVIDER FOR RELOCATION.
25. REMOVE EXISTING CULVERT.
26. REMOVE BURIED RETAINING WALL.

ENGINEER'S NOTE(S)

1. REFER TO SIGNING AND MARKING PLANS FOR DISPOSAL, RELOCATION, OR NEW INSTALLATION OF ALL PAVEMENT MARKINGS AND SIGNS.



GRAPHIC SCALE IN FEET
0 20 40 80

"AS BUILT"
THE RECEIPT OF AS-BUILT PLANS AND CITY'S ACCEPTANCE THEREOF DOES NOT ABSOLVE THE ENGINEER OF WORK OF ANY RESPONSIBILITY FOR THE PROJECT DESIGN.

ENGINEER OF WORK — DATE

RCE NO. — EXPIRATION DATE

SEAL: REGISTERED PROFESSIONAL ENGINEER — TAMMIE C. MORENO — No. 74417 — CIVIL — STATE OF CALIFORNIA

SCALE
HORIZONTAL: AS NOTED
VERTICAL: AS NOTED

Kimley»Horn
401 B STREET, SUITE 600,
SAN DIEGO, CA 92101
PHONE: 619-234-9411
WWW.KIMLEY-HORN.COM

PREPARED BY — DATE 11/19/2024
TAMMIE MORENO
RCE NO. 74417 — EXP. DATE 09/30/25

DATE	INITIAL	ENGINEER OF WORK

REVISION DESCRIPTION	SHT. NO.	DATE	INITIAL
		CITY APPROVAL	

Underground Service Alert
Call TOLL FREE
1-800
422-4133
TWO WORKING DAYS BEFORE YOU DIG

BENCH MARK
DESCRIPTON: RIVERSIDE COUNTY BENCHMARK 600-11-68
LOCATION: 4 FEET SOUTH OF THE SOUTH-EAST CORNER OF 7 FT CHAIN LINK FENCE OF S.C.E. MURRIETA SUBSTATION #2
RECORDED: 07-26-1982
ELEVATION: 1050.946 DATUM: NGVD1929

APPROVED FOR SIGNATURE
TODD L. PITNER
MICHAEL BAKER INTERNATIONAL
RCE NO. 58606
11-26-24 DATE

WDID #: 9 33C401926

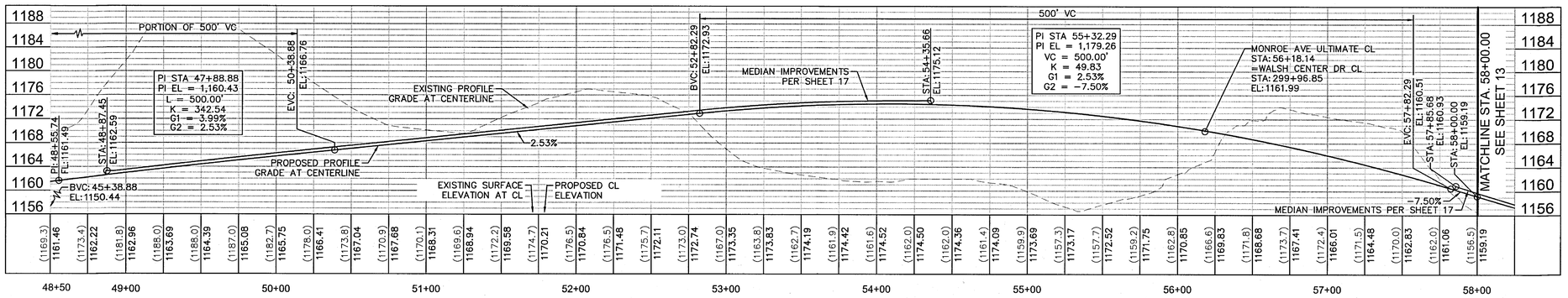
SHEET	CITY OF MURRIETA ENGINEERING DEPARTMENT	SHEETS
10		37

STREET IMPROVEMENT PLAN
TENTATIVE PARCEL MAP 38373
MURRIETA HOT SPRINGS RD DEMOLITION PLAN

APPROVED
ROBERT K. MOEHLING — DATE 12/19/24
DIRECTOR OF PUBLIC WORKS / CITY ENGINEER — RCE 63056

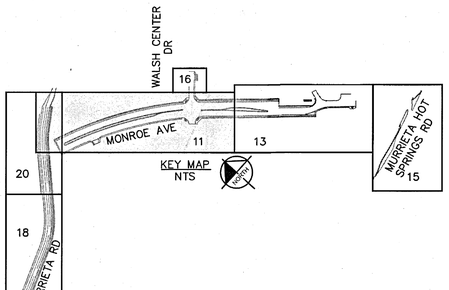
DWN BY: CR
CHKD BY: TM
FIELD BK:
PROJECT NO. ENC-PC-IMP-2023-00010
DRAWING NO. 24-579

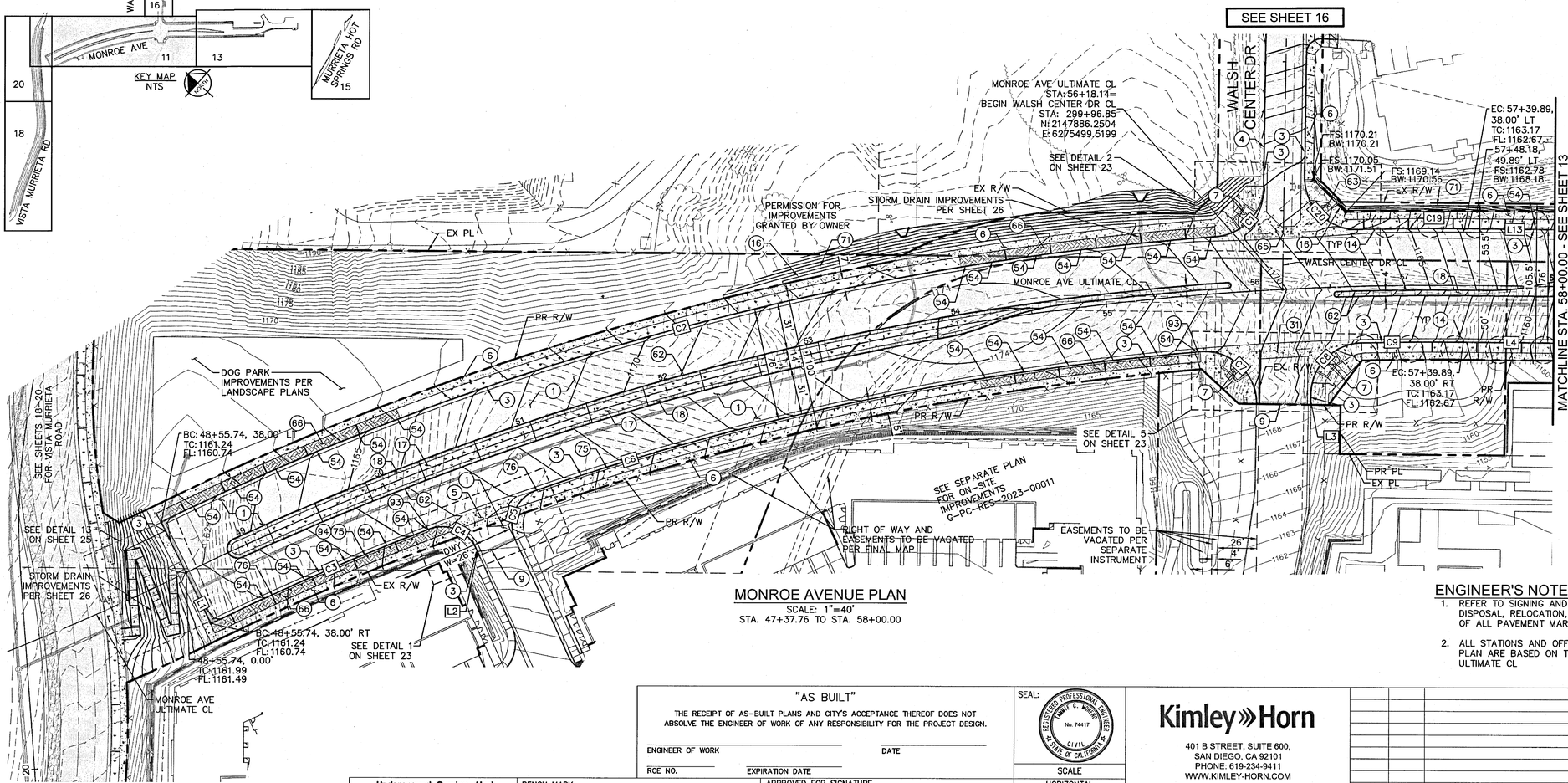
Plotted By:Rokosz, Cody Sheet Set:Xhs Layout:DM03 November 19, 2024, 01:05:07pm K:\SND_LOE\V19\5120004 - the temecs murrieta\Design\plans\sheets - street improvements\120004-DM01.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



MONROE AVENUE ULTIMATE CENTERLINE PROFILE

HORIZONTAL SCALE: 1"=40'
VERTICAL SCALE: 1"=10'
STA. 47+37.76 TO STA. 58+00.00





MONROE AVENUE PLAN

SCALE: 1"=40'
STA. 47+37.76 TO STA. 58+00.00

CONSTRUCTION NOTES

1. CONSTRUCT 4" AC OVER 15" CLASS II AGG. BASE PER CITY OF MURRIETA STD DETAIL NO. 120
3. CONSTRUCT 6" TYPE 'A-6' CURB AND GUTTER PER CITY OF MURRIETA STD. NO. 301
4. CONSTRUCT 6" A.C. DIKE PER CITY OF MURRIETA STD. NO. 315. INTERIM IMPROVEMENTS PER CITY OF MURRIETA STD. NO. 109
5. CONSTRUCT DRIVEWAY ENTRANCE PER CITY OF MURRIETA STD. NO. 310C. DIMENSIONS PER PLAN
6. CONSTRUCT P.C.C. SIDEWALK PER CITY OF MURRIETA STD. NO. 320
7. CONSTRUCT CURB RAMP PER CITY OF MURRIETA STD. NO. 321A. ELEVATIONS PER STAKING PLANS ON SHEETS 23-24.
9. SAWCUT, GRIND, OVERLAY, AND JOIN EXISTING PAVEMENT PER DETAIL 1 ON SHEET 3.
14. PROPOSED TREE WELL WITH CURB CUT PER DETAIL 10 ON SHEET 3.
16. SEE SEPARATE PLANS FOR RETAINING WALL IMPROVEMENTS.
17. PROPOSED LANDSCAPE MEDIAN PER CITY OF MURRIETA STD. NO. 115
18. CONSTRUCT INTERLOCKING CONCRETE BRICK PAVERS PER CITY OF MURRIETA STD. NO. 115
31. CONSTRUCT CROSS GUTTER PER CITY OF MURRIETA STD. NO. 311
54. CURB CUT PER DETAIL 4, SHEET 3
62. CONSTRUCT 8" TYPE 'D' CURB , CASE A, PER CITY OF MURRIETA STD. NO. 305.
63. CONSTRUCT CASE A CURB RAMP PER RIVERSIDE COUNTY STD. NO. 403.
65. CONSTRUCT SPECIAL CROSS GUTTER PER CITY OF MURRIETA STD. NO. 313A.
66. CONSTRUCT BIOFILTRATION SWALE WITH PERFORATED PIPE PER DETAIL 3 ON SHEET 3.
71. CONSTRUCT CONCRETE INTERCEPTOR DRAIN PER CITY OF MURRIETA STD. NO. 432.
75. FURNISH AND INSTALL MGS STANDARD RAILING SECTION PER 2023 CALTRANS RSP A77L1.
76. FURNISH AND INSTALL CALTRANS APPROVED IN-LINE TERMINAL SYSTEM END TREATMENT TYPE 11A LAYOUT PER 2023 CALTRANS STANDARD PLAN A77P1.
93. FURNISH AND INSTALL END ANCHOR ASSEMBLY TYPE SFT-M PER CALTRANS STD PLAN A77S1.
94. MGS POST EMBEDMENT PER CALTRANS STD PLAN A77N3, DETAIL B, FOR NARROW INSTALLATION.

CURB GEOMETRIC DATA

XX	LENGTH	LINE/CHORD DIRECTION	R	REMARKS
C1	51.78'	N88°56'32"W	35.00'	CURB RAMP PER CITY STD. NO. 321A
C2	734.83'	N57°25'13"W	1,938.00'	6" C&G PER CITY STD. NO. 301
C3	158.37'	S65°50'45"E	1,862.00'	6" C&G PER CITY STD. NO. 301
C4	37.87'	S20°00'28"E	25.00'	DWY PER CITY STD. NO. 310C
C5	41.71'	N71°10'26"E	25.00'	DWY PER CITY STD. NO. 310C
C6	454.14'	S54°02'40"E	1,862.00'	6" C&G PER CITY STD. NO. 301
C7	58.49'	S0°49'03"W	35.00'	CURB RAMP PER CITY STD. NO. 321A
C8	53.50'	S87°30'57"E	35.00'	CURB RAMP PER CITY STD. NO. 321A
C9	68.36'	S42°40'20"E	1,862.00'	6" C&G PER CITY STD. NO. 301
C19	71.50'	N42°40'39"W	1,938.00'	6" C&G PER CITY STD. NO. 301
C20	56.45'	N2°28'10"E	35.00'	CURB RAMP TYPE A PER COUNTY STD NO 403
L1	76.00'	S21°43'03"W		6" C&G PER CITY STD. NO. 301
L2	5.83'	S23°23'38"W		6" C&G PER CITY STD. NO. 301
L3	7.57'	N48°41'32"E		6" C&G PER CITY STD. NO. 301
L4	549.74'	S41°37'14"E		6" C&G PER CITY STD. NO. 301
L13	356.17'	S41°37'14"E		6" C&G PER CITY STD. NO. 301

WDID #: 9 33C401926

ENGINEER'S NOTE(S)

1. REFER TO SIGNING AND MARKING PLANS FOR DISPOSAL, RELOCATION, OR NEW INSTALLATION OF ALL PAVEMENT MARKINGS AND SIGNS.
2. ALL STATIONS AND OFFSETS SHOWN ON THIS PLAN ARE BASED ON THE MONROE AVE ULTIMATE CL

GRAPHIC SCALE IN FEET
0 20 40 80

NORTH

Underground Service Alert
Call TOLL FREE
1-800
422-4133
TWO WORKING DAYS BEFORE YOU DIG

BENCH MARK
DESCRIPTON: RIVERSIDE COUNTY BENCHMARK 600-11-68
LOCATION: 4 FEET SOUTH OF THE SOUTH-EAST CORNER OF 7 FT CHAIN LINK FENCE OF S.C.E. MURRIETA SUBSTATION #2
RECORDED: 07-26-1982
ELEVATION: 1050.946 DATUM: NGVD1929

APPROVED FOR SIGNATURE
TODD L. PITNER
MICHAEL BAKER INTERNATIONAL
RCE NO. 58606
11-26-24
DATE

"AS BUILT"
THE RECEIPT OF AS-BUILT PLANS AND CITY'S ACCEPTANCE THEREOF DOES NOT ABSOLVE THE ENGINEER OF WORK OF ANY RESPONSIBILITY FOR THE PROJECT DESIGN.
ENGINEER OF WORK DATE
RCE NO. EXPIRATION DATE

SEAL: REGISTERED PROFESSIONAL ENGINEER KIMBLE C. MOORE No. 74417 CIVIL STATE OF CALIFORNIA

SCALE
HORIZONTAL
AS NOTED
VERTICAL
AS NOTED

Kimley»Horn
401 B STREET, SUITE 600,
SAN DIEGO, CA 92101
PHONE: 619-234-9411
WWW.KIMLEY-HORN.COM

PREPARED BY DATE
11/21/2024
TAMMIE MORENO
RCE NO. 74417 EXP. DATE 09/30/25

DATE	INITIAL	ENGINEER OF WORK

SHT. NO.	DATE	INITIAL	REVISION DESCRIPTION

SHEET 11	CITY OF MURRIETA ENGINEERING DEPARTMENT	SHEETS 37

STREET IMPROVEMENT PLAN
TENTATIVE PARCEL MAP 38373
MONROE AVENUE
STA. 47+37.76 TO STA 58+00.00

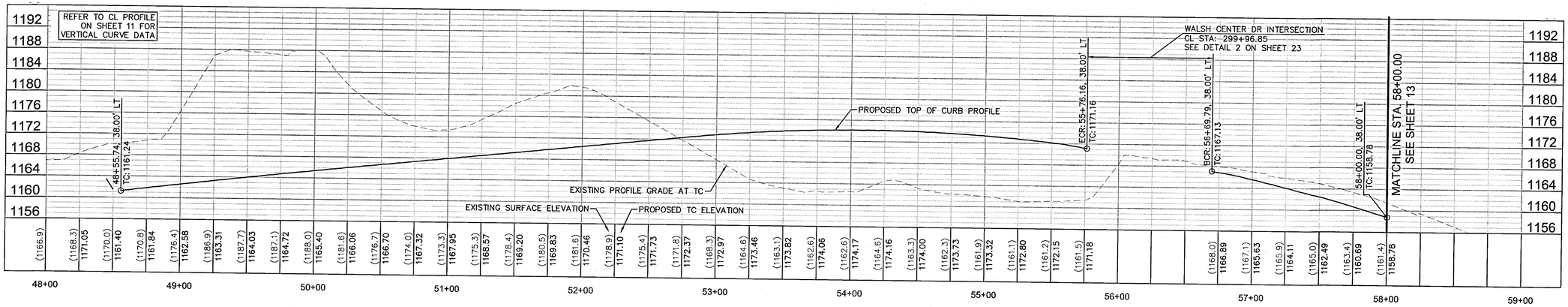
APPROVED
ROBERT K. MOEHLING
DIRECTOR OF PUBLIC WORKS / CITY ENGINEER
DATE 12/19/24
RCE 63056

DWN BY: CR
CHKD BY: TM
FIELD BK:

PROJECT NO. ENC-PC-IMP-2023-00010

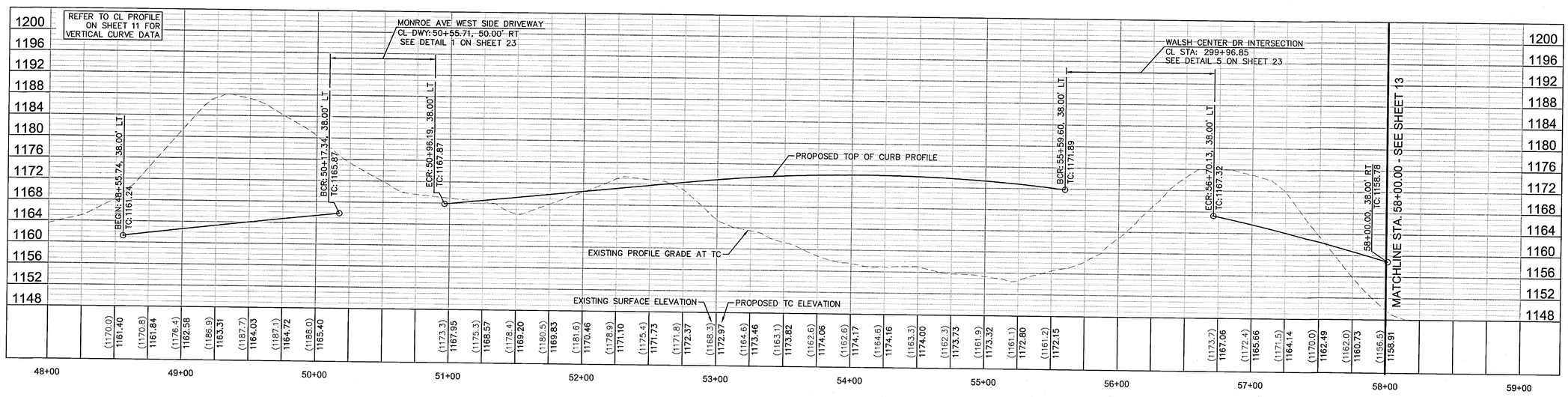
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MONROE AVENUE LEFT TOP OF CURB PROFILE (ULTIMATE CENTERLINE STATIONING)

HORIZONTAL SCALE: 1"=40'
VERTICAL SCALE: 1"=10'
STA. 47+37.76 TO STA. 58+00.00



MONROE AVENUE RIGHT TOP OF CURB PROFILE (ULTIMATE CENTERLINE STATIONING)

HORIZONTAL SCALE: 1"=40'
VERTICAL SCALE: 1"=10'
STA. 47+37.76 TO STA. 58+00.00

"AS BUILT"

THE RECEIPT OF AS-BUILT PLANS AND CITY'S ACCEPTANCE THEREOF DOES NOT ABSOLVE THE ENGINEER OF WORK OF ANY RESPONSIBILITY FOR THE PROJECT DESIGN.

ENGINEER OF WORK _____ DATE _____

RCE NO. _____ EXPIRATION DATE _____

SEAL: REGISTERED PROFESSIONAL ENGINEER TAMMIE C. MORENO No. 74417 CIVIL STATE OF CALIFORNIA

SCALE
HORIZONTAL
AS NOTED
VERTICAL
AS NOTED

Kimley»Horn
401 B STREET, SUITE 600,
SAN DIEGO, CA 92101
PHONE: 619-234-9411
WWW.KIMLEY-HORN.COM

PREPARED BY _____ DATE 11/19/2024
TAMMIE MORENO
RCE NO. 74417 EXP. DATE 09/30/25

DATE	INITIAL	REVISION DESCRIPTION	SHT. NO.	DATE	INITIAL
ENGINEER OF WORK				CITY APPROVAL	

WDID #: 9 33C401926

SHEET	CITY OF MURRIETA ENGINEERING DEPARTMENT	SHEETS
12		37

STREET IMPROVEMENT PLAN
TENTATIVE PARCEL MAP 38373
MONROE AVENUE
STA. 47+37.76 TO STA 58+00.00

APPROVED
ROBERT K. MOEHLING _____ DATE 12/19/24
DIRECTOR OF PUBLIC WORKS / CITY ENGINEER RCE 63056

DWN BY: CR
CHKD BY: TM
FIELD BK: _____

PROJECT NO. ENC-PC-IMP-2023-00010

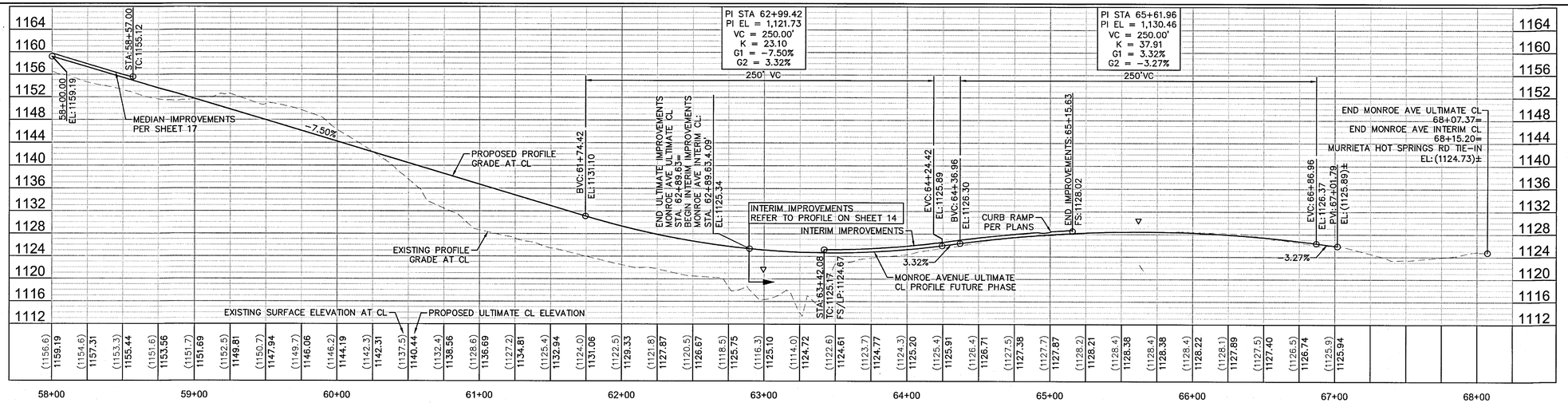
DRAWING NO. 24-581

Underground Service Alert
DIG BEFORE YOU DIG
Call TOLL FREE
1-800
422-4133
TWO WORKING DAYS BEFORE YOU DIG

BENCH MARK
DESCRIPTION: RIVERSIDE COUNTY BENCHMARK 600-11-68
LOCATION: 4 FEET SOUTH OF THE SOUTH-EAST CORNER OF 7 FT CHAIN LINK FENCE OF S.C.E. MURRIETA SUBSTATION #2
RECORDED: 07-26-1982
ELEVATION: 1050.946 DATUM: NGVD1929

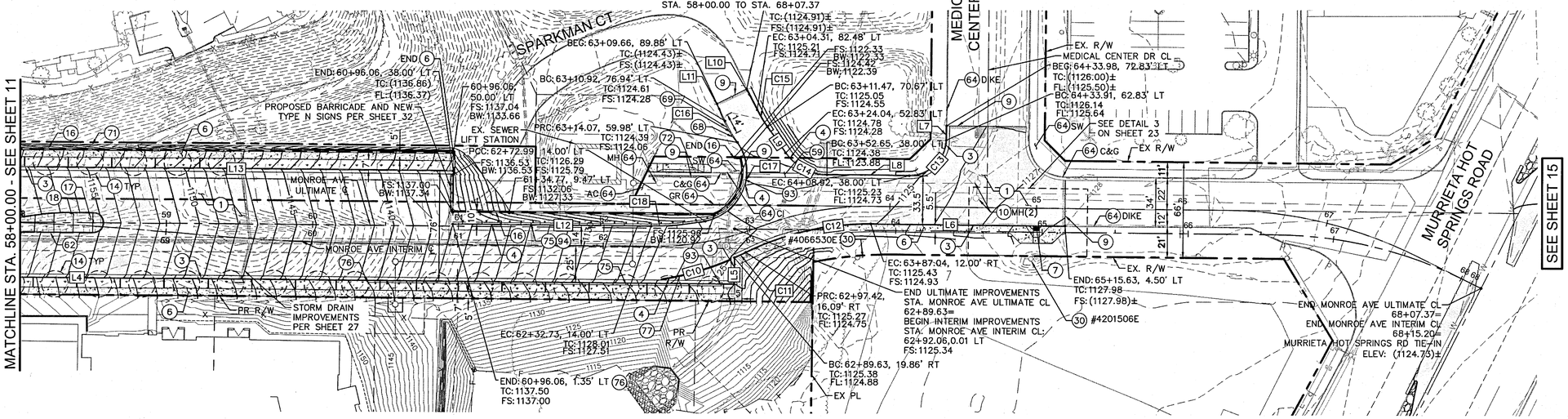
APPROVED FOR SIGNATURE
TODD L. PITNER
MICHAEL BAKER INTERNATIONAL
RCE NO. 58606
11-26-24 DATE

Plotted By:Rokosz, Cody Sheet Set:Kha Layout:TC PROFILES A November 19, 2024 01:00:41pm K:\SND_LDEV\195120004 - the terraces murrieta\Design\sheets - street improvements\120004-PV01.dwg
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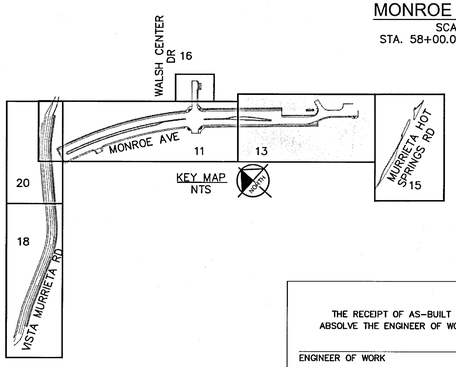
MONROE AVENUE ULTIMATE CENTERLINE PROFILE

HORIZONTAL SCALE: 1"=40'
VERTICAL SCALE: 1"=10'
STA. 58+00.00 TO STA. 68+07.37



MONROE AVENUE PLAN

SCALE: 1"=40'
STA. 58+00.00 TO STA. 68+07.37



CONSTRUCTION NOTES

1. CONSTRUCT 4" AC OVER 15" CLASS II AGG. BASE PER CITY OF MURRIETA STD DETAIL NO. 120
3. CONSTRUCT 6" TYPE 'A-6' CURB AND GUTTER PER CITY OF MURRIETA STD. NO. 301
4. CONSTRUCT 6" A.C. DIKE PER CITY OF MURRIETA STD. NO. 315. INTERIM IMPROVEMENTS PER CITY OF MURRIETA STD. NO. 109
6. CONSTRUCT P.C.C. SIDEWALK PER CITY OF MURRIETA STD. NO. 320
7. CONSTRUCT CURB RAMP PER CITY OF MURRIETA STD. NO. 321A. ELEVATIONS PER STAKING PLANS ON SHEETS 23-24.
9. SAWCUT, GRIND, OVERLAY, AND JOIN EXISTING PAVEMENT PER DETAIL 1 ON SHEET 3.
10. ADJUST TO GRADE
14. PROPOSED TREE WELL WITH CURB CUT PER DETAIL 10 ON SHEET 3.
16. SEE SEPARATE PLANS FOR RETAINING WALL IMPROVEMENTS.
17. PROPOSED LANDSCAPE MEDIAN PER CITY OF MURRIETA STD. NO. 115
18. CONSTRUCT INTERLOCKING CONCRETE BRICK PAVERS PER CITY OF MURRIETA STD. NO. 115
30. EXISTING SCE OVERHEAD POLE TO BE REMOVED PER SEPARATE SCE DESIGN. COORDINATE WITH UTILITY PURVEYOR PRIOR TO CONSTRUCTION
59. CONSTRUCT 3' RIBBON GUTTER PER DETAIL 5 ON SHEET 3.
62. CONSTRUCT 8" TYPE 'D' CURB , CASE A, PER CITY OF MURRIETA STD. NO. 305.
64. PROTECT IN PLACE.
68. CONSTRUCT 5' AC DIKE TRANSITION PER DETAIL 2 ON SHEET 3.
69. CONSTRUCT 4" MOUNTABLE AC DIKE PER CITY OF MURRIETA STD. NO. 315.
71. CONSTRUCT CONCRETE INTERCEPTOR DRAIN PER CITY OF MURRIETA STD. NO. 432.
72. DEMOLISH EXISTING DRIVEWAY AND CONSTRUCT NEW CONCRETE DRIVEWAY PER CITY OF MURRIETA STD. NO. 308A. WIDTH = 24'.
75. FURNISH AND INSTALL MGS STANDARD RAILING SECTION PER 2023 CALTRANS RSP A77L1.
76. FURNISH AND INSTALL CALTRANS APPROVED IN-LINE TERMINAL SYSTEM END TREATMENT TYPE 11A LAYOUT PER 2023 CALTRANS STANDARD PLAN A77P1.
77. CONSTRUCT A.C. DIKE CURB CUT PER DETAIL 8 ON SHEET 3.
93. FURNISH AND INSTALL END ANCHOR ASSEMBLY TYPE SFT-M PER CALTRANS STD PLAN A77S1.
94. MGS POST EMBEDMENT PER CALTRANS STD PLAN A77N3, DETAIL B, FOR NARROW INSTALLATION.

CURB GEOMETRIC DATA

XX	LENGTH	LINE/CHORD DIRECTION	R	REMARKS
C10	49.72'	S58°19'32"E	199.75'	6" AC DIKE PER CITY STD. NO. 315
C11	8.66'	S67°26'57"E	200.00'	6" C&G PER CITY STD. NO. 301
C12	88.82'	S55°09'17"E	188.00'	6" C&G PER CITY STD. NO. 301
C13	39.10'	N86°25'25"W	25.00'	6" C&G PER CITY STD. NO. 301
C14	33.49'	N14°12'41"W	35.00'	6" AC DIKE PER CITY STD. NO. 315
C15	13.82'	N17°09'25"E	100.00'	6" AC DIKE PER CITY STD. NO. 315
C16	17.27'	S17°50'55"W	100.00'	4" MOUNTABLE AC DIKE PER CITY STD. NO. 315 AND DETAIL 6 ON SHEET 3.
C17	69.60'	S69°52'21"W	35.00'	6" AC DIKE PER CITY STD. NO. 315
C18	37.45'	N47°23'18"W	186.00'	6" AC DIKE PER CITY STD. NO. 315
L4	549.74'	S41°37'14"E		6" C&G PER CITY STD. NO. 301
L5	18.14'	N48°22'46"E		6" C&G PER CITY STD. NO. 301
L6	132.66'	S41°37'14"E		6" C&G PER CITY STD. NO. 301
L7	10.00'	S48°46'24"W		6" C&G PER CITY STD. NO. 301
L8	56.27'	N41°37'14"W		6" C&G PER CITY STD. NO. 301
L9	21.82'	N13°11'52"E		6" AC DIKE PER CITY STD. NO. 315
L10	16.05'	N21°06'58"E		6" AC DIKE PER CITY STD. NO. 315
L11	13.01'	S22°47'45"W		4" MOUNTABLE AC DIKE PER CITY STD. NO. 315 AND DETAIL 6 ON SHEET 3.
L12	136.30'	N41°37'14"W		6" AC DIKE PER CITY STD. NO. 315
L13	356.17'	S41°37'14"E		6" C&G PER CITY STD. NO. 301

ENGINEER'S NOTE(S)

1. REFER TO SIGNING AND MARKING PLANS FOR DISPOSAL, RELOCATION, OR NEW INSTALLATION OF ALL PAVEMENT MARKINGS AND SIGNS.
2. ALL STATIONS AND OFFSETS SHOWN ON THIS PLAN ARE BASED ON THE MONROE AVE ULTIMATE CL

GRAPHIC SCALE IN FEET
0 20 40 80

NORTH

Underground Service Alert
Call TOLL FREE
1-800
422-4133
TWO WORKING DAYS BEFORE YOU DIG

BENCH MARK
DESCRIPTION: RIVERSIDE COUNTY BENCHMARK 600-11-68
LOCATION: 4 FEET SOUTH OF THE SOUTH-EAST CORNER OF 7 FT CHAIN LINK FENCE OF S.C.E. MURRIETA SUBSTATION #2
RECORDED: 07-26-1982
ELEVATION: 1050.946 DATUM: NGVD1929

APPROVED FOR SIGNATURE

TODD L. PITNER
MICHAEL BAKER INTERNATIONAL
RCE NO. 58606
11-26-24
DATE

"AS BUILT"
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ENGINEER OF WORK DATE
RCE NO. EXPIRATION DATE

SEAL: REGISTERED PROFESSIONAL ENGINEER TAMMIE C. MORENO No. 74417 CIVIL STATE OF CALIFORNIA

SCALE	HORIZONTAL
	AS NOTED
	VERTICAL
	AS NOTED

Kimley»Horn
401 B STREET, SUITE 600,
SAN DIEGO, CA 92101
PHONE: 619-234-9411
WWW.KIMLEY-HORN.COM

PREPARED BY DATE
11/21/2024
TAMMIE MORENO
RCE NO. 74417 EXP. DATE 09/30/25

DATE	INITIAL	REVISION DESCRIPTION
ENGINEER OF WORK		

SHT. NO.	DATE	INITIAL
	CITY APPROVAL	

WDID #: 9 33C401926

SHEET 13 | CITY OF MURRIETA ENGINEERING DEPARTMENT | SHEETS 37

STREET IMPROVEMENT PLAN
TENTATIVE PARCEL MAP 38373
MONROE AVENUE
STA. 58+00.00 TO STA. 67+01.79

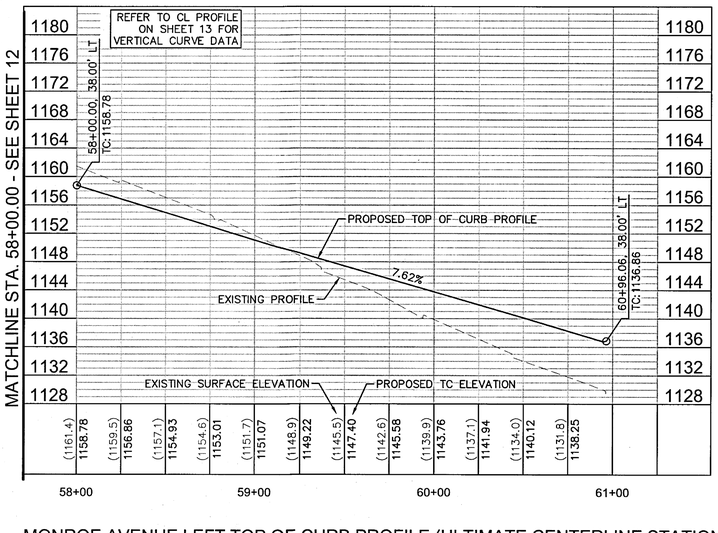
APPROVED
ROBERT K. MOEHLING DATE 12/19/24
DIRECTOR OF PUBLIC WORKS / CITY ENGINEER RCE 63056

DWN BY: CR
CHKD BY: TM
FIELD BK:

PROJECT NO. ENC-PC-IMP-2023-00010

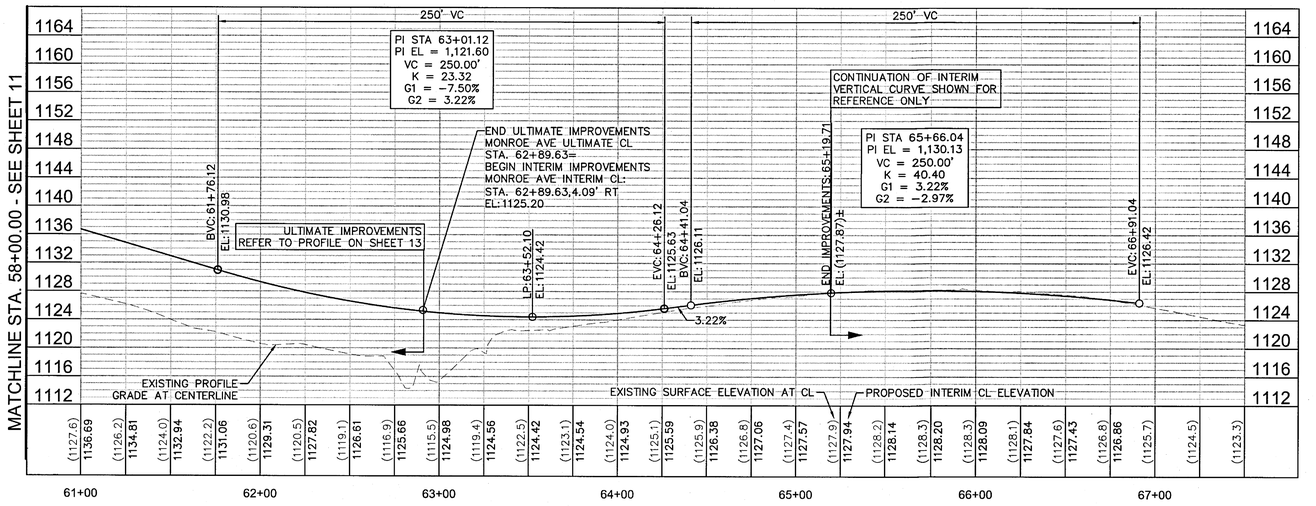
DRAWING NO. 24-582

Plotted By:Rokvas, Cody; Sheet Set:Xtra Layout PW02; November 21, 2024 10:09:22am; K:\SNO_LAS\LV\165130004- The Terraces Murrieta\Design\Plan\Sheets - Street Improvements\130004-PW01.dwg
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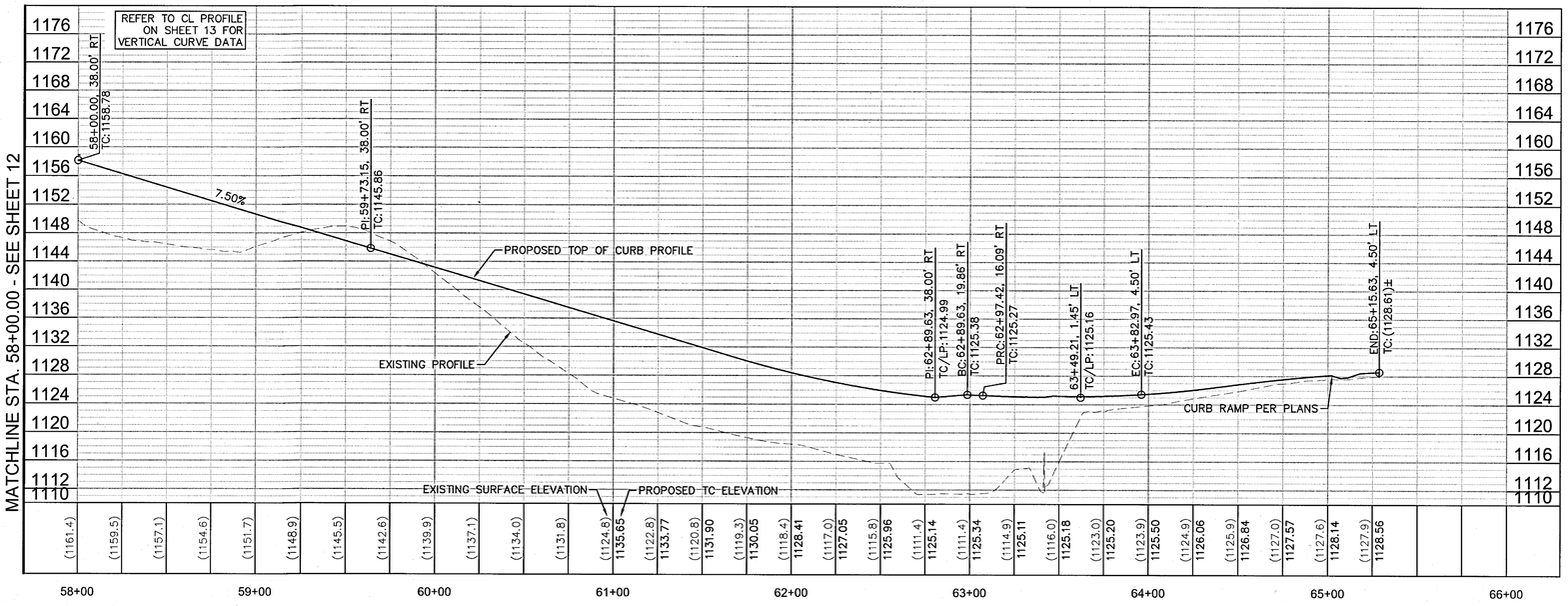
MONROE AVENUE LEFT TOP OF CURB PROFILE (ULTIMATE CENTERLINE STATIONING)

HORIZONTAL SCALE: 1"=40'
VERTICAL SCALE: 1"=10'



MONROE AVENUE INTERIM CENTERLINE PROFILE

HORIZONTAL SCALE: 1"=40'
VERTICAL SCALE: 1"=10'
STA. 58+00.00 TO STA. 66+91.04



MONROE AVENUE RIGHT TOP OF CURB PROFILE (ULTIMATE CENTERLINE STATIONING)

HORIZONTAL SCALE: 1"=40'
VERTICAL SCALE: 1"=10'

WDID #: 9 33C401926

"AS BUILT"

THE RECEIPT OF AS-BUILT PLANS AND CITY'S ACCEPTANCE THEREOF DOES NOT ABSOLVE THE ENGINEER OF WORK OF ANY RESPONSIBILITY FOR THE PROJECT DESIGN.

ENGINEER OF WORK _____ DATE _____

RCE NO. _____ EXPIRATION DATE _____

SEAL: REGISTERED PROFESSIONAL ENGINEER TAMMIE C. MORENO No. 74417 CIVIL STATE OF CALIFORNIA

Kimley»Horn
401 B STREET, SUITE 600,
SAN DIEGO, CA 92101
PHONE: 619-234-9411
WWW.KIMLEY-HORN.COM

PREPARED BY _____ DATE 11/20/2024
TAMMIE MORENO
RCE NO. 74417 EXP. DATE 09/30/25

DATE	INITIAL	REVISION DESCRIPTION	SHT. NO.	DATE	INITIAL

ENGINEER OF WORK | CITY APPROVAL

Underground Service Alert
CALL BEFORE YOU DIG
Call TOLL FREE
1-800
422-4133
TWO WORKING DAYS BEFORE YOU DIG

BENCH MARK
DESCRIPTION: RIVERSIDE COUNTY BENCHMARK 600-11-68
LOCATION: 4 FEET SOUTH OF THE SOUTH-EAST CORNER OF 7 FT CHAIN LINK FENCE OF S.C.E. MURRIETA SUBSTATION #2
RECORDED: 07-26-1982
ELEVATION: 1050.946 DATUM: NGVD1929

APPROVED FOR SIGNATURE
TODD L. PITNER
MICHAEL BAKER INTERNATIONAL
RCE NO. 58606
11-26-24 DATE

SCALE
HORIZONTAL
AS NOTED
VERTICAL
AS NOTED

SHEET	CITY OF MURRIETA	SHEETS
14	ENGINEERING DEPARTMENT	37

STREET IMPROVEMENT PLAN
TENTATIVE PARCEL MAP 38373
MONROE AVENUE
STA. 58+00.00 TO STA. 66+00.00

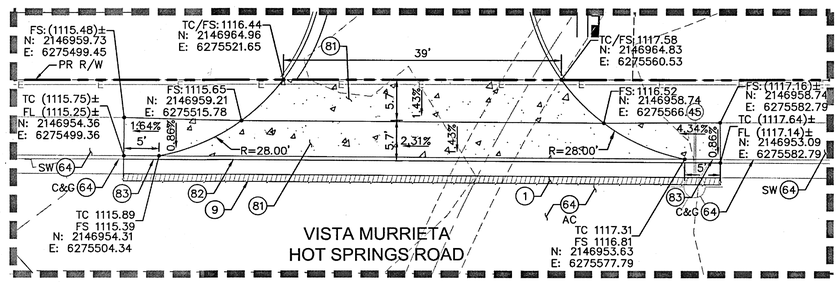
APPROVED
ROBERT K. MOEHLING DATE 12/19/24
DIRECTOR OF PUBLIC WORKS / CITY ENGINEER RCE 63056

DWN BY: CR
CHKD BY: TM
FIELD BK: _____

PROJECT NO. ENC-PC-IMP-2023-00010

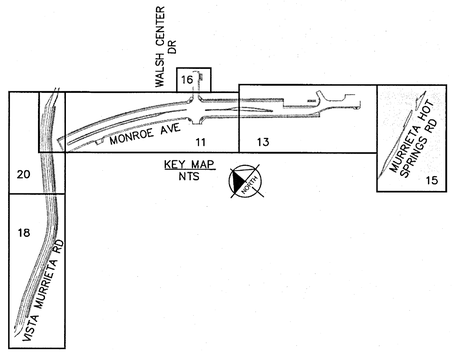
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Plotted By:Rokosz, Cody Sheet Set:Kha Layout:TC PROFILES A (2) November 20, 2024 01:27:17pm K:\SND_LDEV\195120004 - The Terraces Murrieta\Design\PlanSheets - Street Improvements\120004-PV01.dwg
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DETAIL A: PROPOSED EMERGENCY DRIVEWAY

SCALE: 1"=10'



CONSTRUCTION NOTES

(1) CONSTRUCT 4" AC OVER 15" CLASS II AGG. BASE PER CITY OF MURRIETA STD DETAIL NO. 120

(7) CONSTRUCT CURB RAMP PER CITY OF MURRIETA STD. NO. 321A. ELEVATIONS PER STAKING PLANS ON SHEETS 23–24.

(9) SAWCUT, GRIND, OVERLAY, AND JOIN EXISTING PAVEMENT PER DETAIL 1 ON SHEET 3.

(12) CONSTRUCT 5" AC OVER 15" CLASS II AGG. BASE PER CITY OF MURRIETA STD DETAIL NO. 120

(18) CONSTRUCT INTERLOCKING CONCRETE BRICK PAVERS PER CITY OF MURRIETA STD. NO. 115

(62) CONSTRUCT 8" TYPE 'D' CURB , CASE A, PER CITY OF MURRIETA STD. NO. 305.

(64) PROTECT IN PLACE.

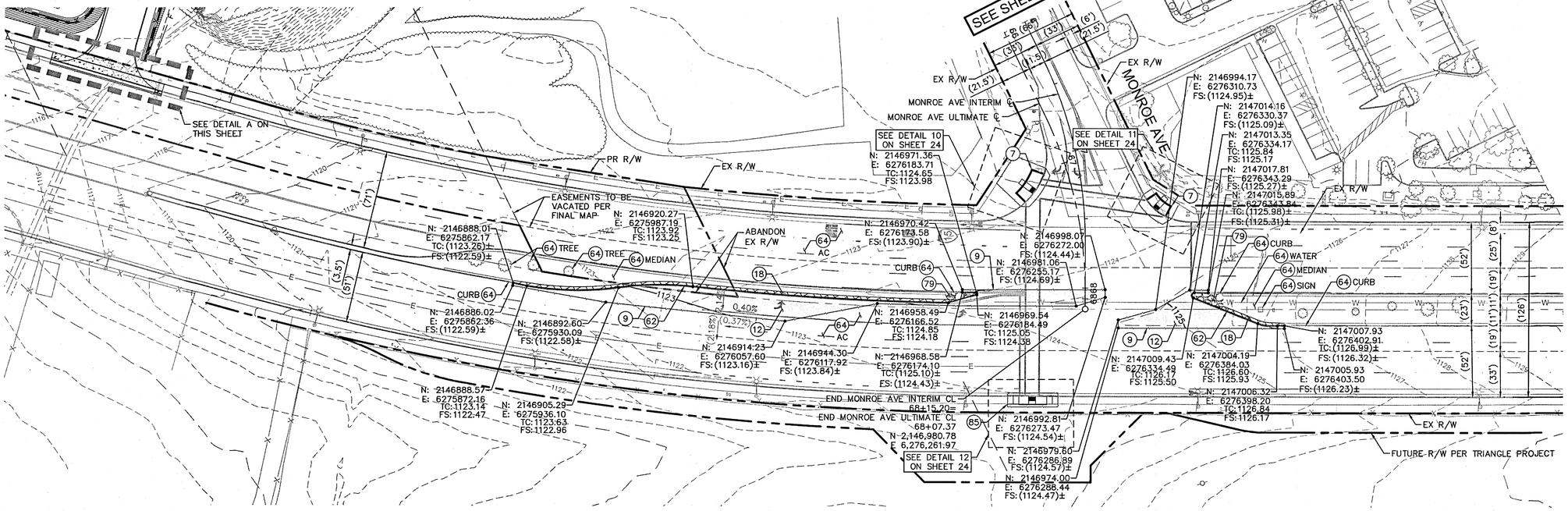
(79) INSTALL MORTARED COBBLE MEDIAN SECTION.

(81) CONSTRUCT 6" PCC OVER 6" AGGREGATE BASE WITH NO. 3 REINFORCING BARS 12" O.C. BOTH WAYS.

(82) CONSTRUCT TYPE A–6 C&G PER CITY OF MURRIETA STD. NO. 301, MODIFIED PER DETAIL 1 ON THIS SHEET (MOUNTABLE C&G).

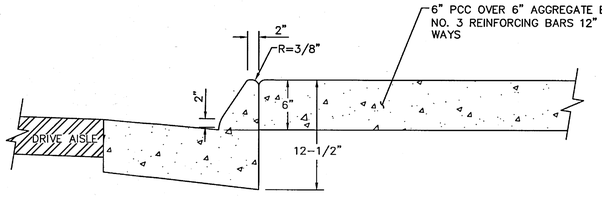
(83) 5' TRANSITION FROM MOUNTABLE C&G TO STANDARD C&G. MATCH TC, FL, AND GL ELEVATIONS.

(85) CONSTRUCT CASE C CURB RAMP PER CALTRANS STD. NO. A88A. ELEVATIONS PER STAKING PLANS ON SHEETS 23–24.



MURRIETA HOT SPRINGS ROAD PLAN

SCALE: 1"=40'



DETAIL #1: MODIFIED TYPE A-6 MOUNTABLE C&G PER CITY STD. NO. 301 (82)

NOT TO SCALE

ENGINEER'S NOTE(S)

1. REFER TO SIGNING AND MARKING PLANS FOR DISPOSAL, RELOCATION, OR NEW INSTALLATION OF ALL PAVEMENT MARKINGS AND SIGNS.

GRAPHIC SCALE IN FEET
0 20 40 80

NORTH

WDID #: 9 33C401926

"AS BUILT"

THE RECEIPT OF AS-BUILT PLANS AND CITY'S ACCEPTANCE THEREOF DOES NOT ABSOLVE THE ENGINEER OF WORK OF ANY RESPONSIBILITY FOR THE PROJECT DESIGN.

ENGINEER OF WORK — DATE

RCE NO. — EXPIRATION DATE

SEAL: REGISTERED PROFESSIONAL ENGINEER — JAMIE C. MORENO — No. 74417 — CIVIL — STATE OF CALIFORNIA

SCALE
HORIZONTAL: AS NOTED
VERTICAL: AS NOTED

Kimley»Horn
401 B STREET, SUITE 600,
SAN DIEGO, CA 92101
PHONE: 619-234-9411
WWW.KIMLEY-HORN.COM

PREPARED BY — DATE 11/19/2024
TAMMIE MORENO
RCE NO. 74417 — EXP. DATE 09/30/25

Underground Service Alert
CALL BEFORE YOU DIG
Call TOLL FREE
1-800
422-4133
TWO WORKING DAYS BEFORE YOU DIG

BENCH MARK
DESCRIPTION: RIVERSIDE COUNTY BENCHMARK 600-11-68
LOCATION: 4 FEET SOUTH OF THE SOUTH-EAST CORNER OF 7 FT CHAIN LINK FENCE OF S.C.E. MURRIETA SUBSTATION #2
RECORDED: 07-26-1982
ELEVATION: 1050.946 DATUM: NGVD1929

APPROVED FOR SIGNATURE
TODD L. PITNER
MICHAEL BAKER INTERNATIONAL
RCE NO. 58606
11-26-24 DATE

DATE	INITIAL	REVISION DESCRIPTION	SHT. NO.	DATE	INITIAL
ENGINEER OF WORK				CITY APPROVAL	

SHEET 15 — CITY OF MURRIETA, ENGINEERING DEPARTMENT — SHEETS 37

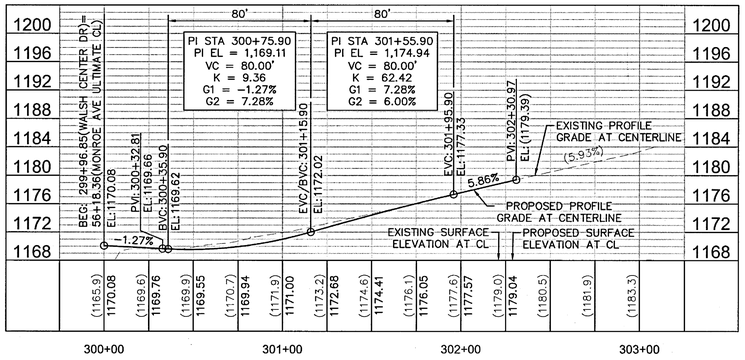
STREET IMPROVEMENT PLAN
TENTATIVE PARCEL MAP 38373

MURRIETA HOT SPRINGS ROAD

APPROVED
ROBERT K. MOEHLING — DATE 12/19/24
DIRECTOR OF PUBLIC WORKS / CITY ENGINEER — RCE 63056

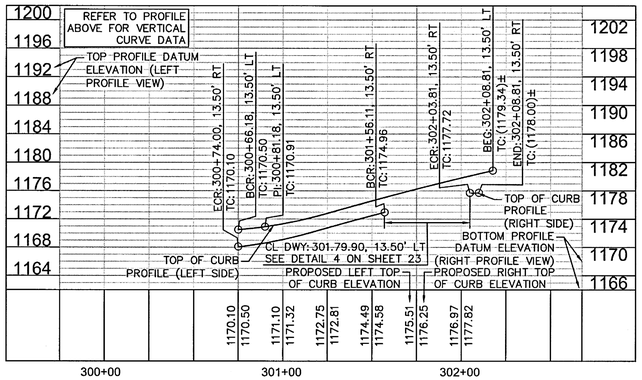
DWN BY: CR
CHKD BY: TM
FIELD BK:
PROJECT NO. ENC-PC-IMP-2023-00010
DRAWING NO. 24-584

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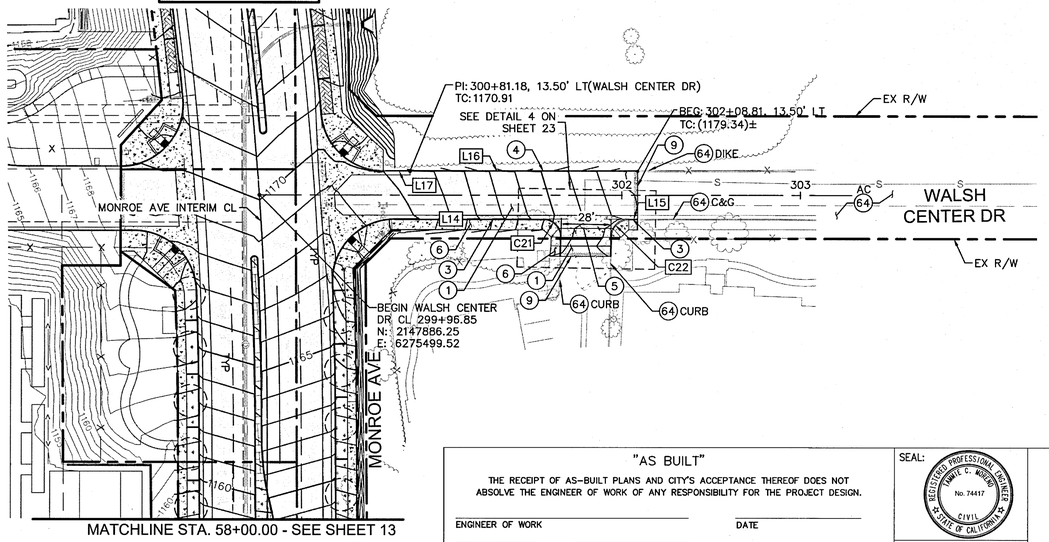
WALSH CENTER DRIVE CENTERLINE PROFILE

HORIZONTAL SCALE: 1"=40'
VERTICAL SCALE: 1"=10'



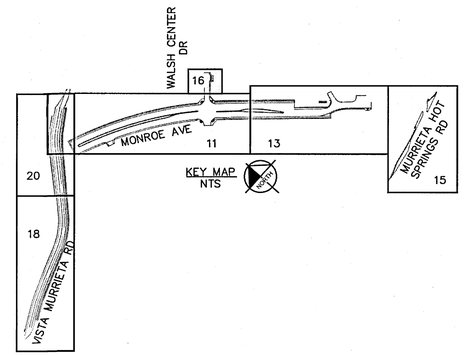
WALSH CENTER DRIVE TOP OF CURB PROFILE

HORIZONTAL SCALE: 1"=40'
VERTICAL SCALE: 1"=10'



CONSTRUCTION NOTES

1. CONSTRUCT 4" AC OVER 15" CLASS II AGG. BASE PER CITY OF MURRIETA STD DETAIL NO. 120
3. CONSTRUCT 6" TYPE 'A-6' CURB AND GUTTER PER CITY OF MURRIETA STD. NO. 301
4. CONSTRUCT 6" A.C. DIKE PER CITY OF MURRIETA STD. NO. 315. INTERIM IMPROVEMENTS PER CITY OF MURRIETA STD. NO. 109
5. CONSTRUCT DRIVEWAY ENTRANCE PER CITY OF MURRIETA STD. NO. 310C. DIMENSIONS PER PLAN
6. CONSTRUCT P.C.C. SIDEWALK PER CITY OF MURRIETA STD. NO. 320
9. SAWCUT, GRIND, OVERLAY, AND JOIN EXISTING PAVEMENT PER DETAIL 1 ON SHEET 3.
64. PROTECT IN PLACE.



CURB GEOMETRIC DATA

XX	LENGTH	LINE/CHORD DIRECTION	R	REMARKS
C21	16.16'	S85°02'31"E	10.00'	DWY PER CITY STD. NO. 310C
C22	15.53'	N4°10'14"E	10.00'	DWY PER CITY STD. NO. 310C
L14	82.11'	N48°40'23"E		6" C&G PER CITY STD. NO. 301
L15	5.00'	N48°40'23"E		6" C&G PER CITY STD. NO. 301
L16	127.63'	S48°40'23"W		6" AC DIKE PER CITY STD. NO. 315
L17	15.00'	S48°40'23"W		6" C&G PER CITY STD. NO. 301

ENGINEER'S NOTE(S)

1. REFER TO SIGNING AND MARKING PLANS FOR DISPOSAL, RELOCATION, OR NEW INSTALLATION OF ALL PAVEMENT MARKINGS AND SIGNS.
2. ALL STATIONS AND OFFSETS SHOWN ON THIS PLAN ARE BASED ON THE WALSH CENTER DR CENTERLINE.

NORTH

GRAPHIC SCALE IN FEET
0 20 40 80

WDID #: 9 33C401926

"AS BUILT"

THE RECEIPT OF AS-BUILT PLANS AND CITY'S ACCEPTANCE THEREOF DOES NOT ABSOLVE THE ENGINEER OF WORK OF ANY RESPONSIBILITY FOR THE PROJECT DESIGN.

ENGINEER OF WORK _____ DATE _____

RCE NO. _____ EXPIRATION DATE _____

SEAL: REGISTERED PROFESSIONAL ENGINEER TAMMIE C. MORENO No. 74417 CIVIL STATE OF CALIFORNIA

SCALE
HORIZONTAL
AS NOTED
VERTICAL
AS NOTED

Kimley»Horn
401 B STREET, SUITE 600,
SAN DIEGO, CA 92101
PHONE: 619-234-9411
WWW.KIMLEY-HORN.COM

PREPARED BY _____ DATE 11/20/2024
TAMMIE MORENO
RCE NO. 74417 EXP. DATE 09/30/25

DATE	INITIAL	REVISION DESCRIPTION	SHT. NO.	DATE	INITIAL

ENGINEER OF WORK

CITY APPROVAL

Underground Service Alert
DIG ALERT BEFORE YOU DIG
Call TOLL FREE
1-800
422-4133
TWO WORKING DAYS BEFORE YOU DIG

BENCH MARK
DESCRIPTION: RIVERSIDE COUNTY BENCHMARK 600-11-68
LOCATION: 4 FEET SOUTH OF THE SOUTH-EAST CORNER OF 7 FT CHAIN LINK FENCE OF S.C.E. MURRIETA SUBSTATION #2
RECORDED: 07-26-1982
ELEVATION: 1050.946 DATUM: NGVD1929

APPROVED FOR SIGNATURE
TODD L. PITNER
MICHAEL BAKER INTERNATIONAL
RCE NO. 58606
11-26-24 DATE

SHEET 16 | CITY OF MURRIETA ENGINEERING DEPARTMENT | SHEETS 37

STREET IMPROVEMENT PLAN
TENTATIVE PARCEL MAP 38373
WALSH CENTER DR
STA. 299+96.85 TO STA. 302+30.97

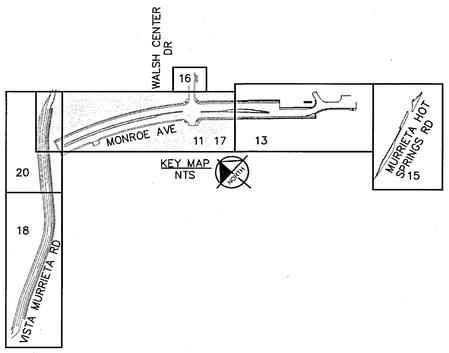
APPROVED
ROBERT K. MOEHLING
DIRECTOR OF PUBLIC WORKS / CITY ENGINEER
RCE 63056
DATE 12/19/24

DWN BY: CR
CHKD BY: TM
FIELD BK: _____

PROJECT NO. ENC-PC-IMP-2023-00010

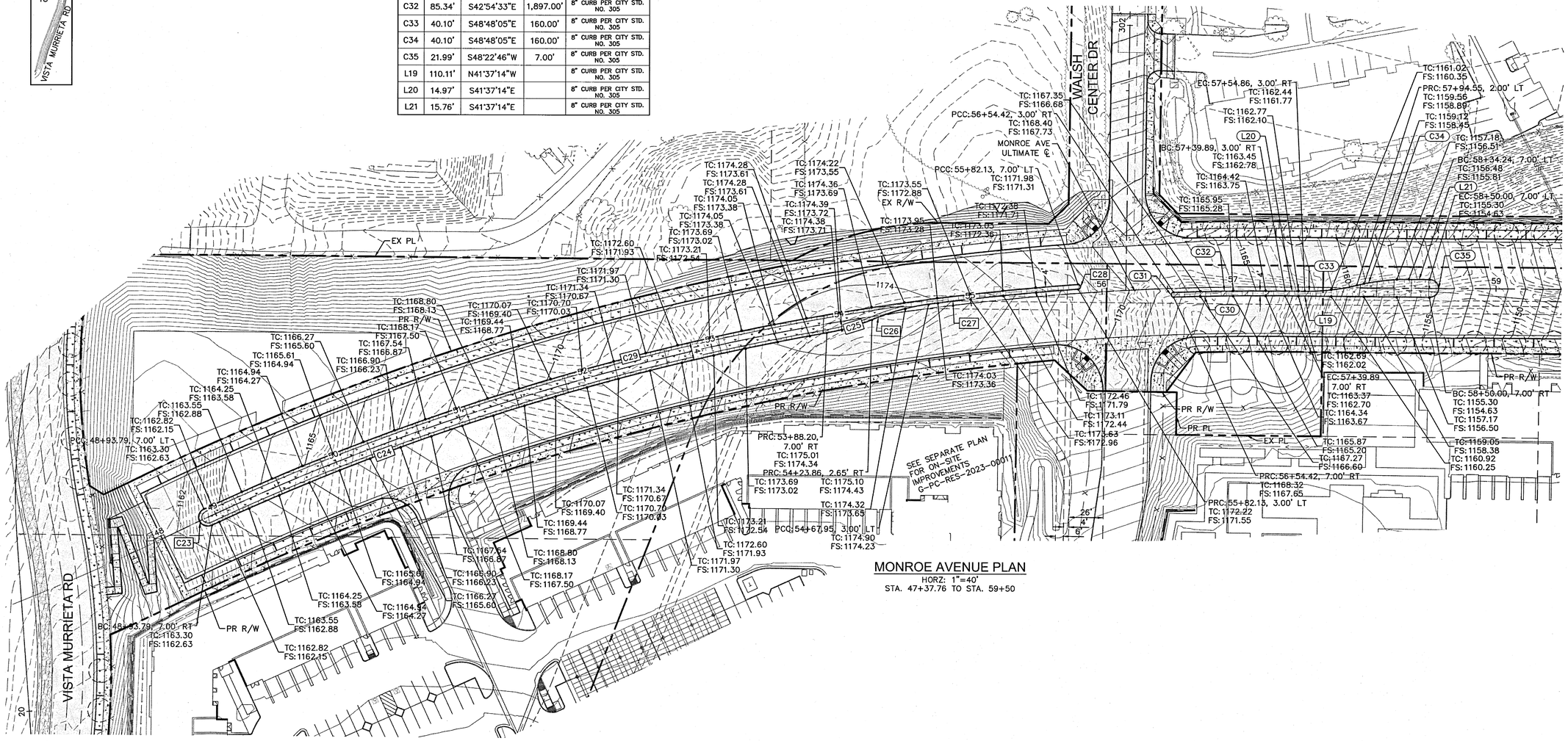
DRAWING NO. 24-585

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CURB GEOMETRIC DATA

XX	LENGTH	LINE/CHORD DIRECTION	R	REMARKS
C23	21.99'	S22°51'53"W	7.00'	8" CURB PER CITY STD. NO. 305
C24	492.59'	S59°40'51"E	1,893.00'	8" CURB PER CITY STD. NO. 305
C25	35.91'	S58°39'21"E	160.00'	8" CURB PER CITY STD. NO. 305
C26	42.63'	S57°27'12"E	160.00'	8" CURB PER CITY STD. NO. 305
C27	114.36'	S48°05'58"E	1,944.80'	8" CURB PER CITY STD. NO. 305
C28	6.28'	N43°37'20"E	2.00'	8" CURB PER CITY STD. NO. 305
C29	690.88'	N56°45'24"W	1,907.00'	8" CURB PER CITY STD. NO. 305
C30	85.16'	N42°54'33"W	1,893.00'	8" CURB PER CITY STD. NO. 305
C31	6.28'	N45°48'07"E	2.00'	8" CURB PER CITY STD. NO. 305
C32	85.34'	S42°54'33"E	1,897.00'	8" CURB PER CITY STD. NO. 305
C33	40.10'	S48°48'05"E	160.00'	8" CURB PER CITY STD. NO. 305
C34	40.10'	S48°48'05"E	160.00'	8" CURB PER CITY STD. NO. 305
C35	21.99'	S48°22'46"W	7.00'	8" CURB PER CITY STD. NO. 305
L19	110.11'	N41°37'14"W		8" CURB PER CITY STD. NO. 305
L20	14.97'	S41°37'14"E		8" CURB PER CITY STD. NO. 305
L21	15.76'	S41°37'14"E		8" CURB PER CITY STD. NO. 305



MONROE AVENUE PLAN

HORZ: 1"=40'
STA. 47+37.76 TO STA. 59+50

GRAPHIC SCALE IN FEET
0 20 40 80

NORTH

WDID #: 9 33C401926

"AS BUILT"

THE RECEIPT OF AS-BUILT PLANS AND CITY'S ACCEPTANCE THEREOF DOES NOT ABSOLVE THE ENGINEER OF WORK OF ANY RESPONSIBILITY FOR THE PROJECT DESIGN.

ENGINEER OF WORK _____ DATE _____

RCE NO. _____ EXPIRATION DATE _____

SEAL: REGISTERED PROFESSIONAL ENGINEER TAMMIE C. MORENO No. 74417 CIVIL STATE OF CALIFORNIA

SCALE
HORIZONTAL
AS NOTED
VERTICAL
AS NOTED

Kimley»Horn
401 B STREET, SUITE 600,
SAN DIEGO, CA 92101
PHONE: 619-234-9411
WWW.KIMLEY-HORN.COM

PREPARED BY _____ DATE 11/20/2024
TAMMIE MORENO
RCE NO. 74417 EXP. DATE 09/30/25

DATE	INITIAL	REVISION DESCRIPTION	SHT. NO.	DATE	INITIAL
		ENGINEER OF WORK			CITY APPROVAL

Underground Service Alert
CA'S BEFORE YOU DIG
Call TOLL FREE
1-800
422-4133
TWO WORKING DAYS BEFORE YOU DIG

BENCH MARK
DESCRIPTON: RIVERSIDE COUNTY BENCHMARK 600-11-68
LOCATION: 4 FEET SOUTH OF THE SOUTH-EAST CORNER OF 7 FT CHAIN LINK FENCE OF S.C.E. MURRIETA SUBSTATION #2
RECORDED: 07-26-1982
ELEVATION: 1050.946 DATUM: NGVD1929

APPROVED FOR SIGNATURE
TODD L. PITNER
MICHAEL BAKER INTERNATIONAL
RCE NO. 58606
11-26-24 DATE

SHEET 17 | CITY OF MURRIETA ENGINEERING DEPARTMENT | SHEETS 37

STREET IMPROVEMENT PLAN
TENTATIVE PARCEL MAP 38373
MONROE AVENUE MEDIAN STAKING SHEET
STA. 47+37.76 TO STA 59+50.00

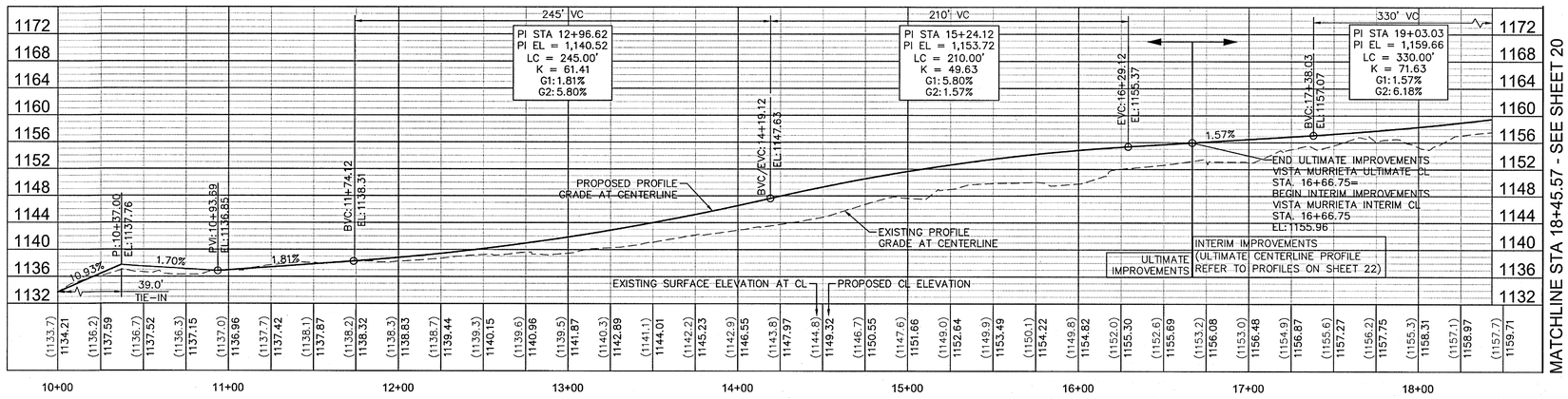
APPROVED
ROBERT K. MOEHLING
DIRECTOR OF PUBLIC WORKS / CITY ENGINEER RCE 63056
DATE 12/11/24

DWN BY: CR
CHKD BY: TM
FIELD BK: _____

PROJECT NO. ENC-PC-IMP-2023-00010

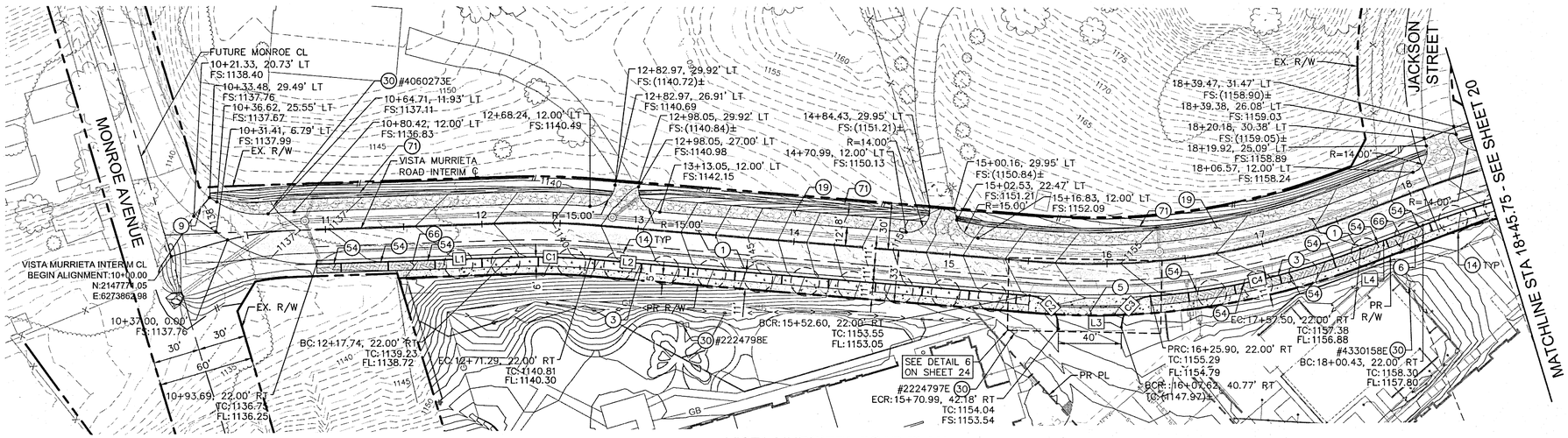
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VISTA MURRIETA ROAD ULTIMATE AND INTERIM CENTERLINE PROFILE

HORIZONTAL SCALE: 1"=40'
VERTICAL SCALE: 1"=10'



VISTA MURRIETA ROAD PLAN

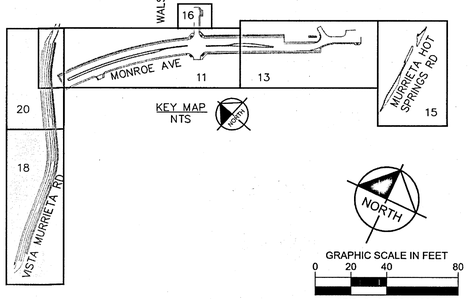
SCALE: 1"=40'

CONSTRUCTION NOTES

1. CONSTRUCT 4" AC OVER 15" CLASS II AGG. BASE PER CITY OF MURRIETA STD DETAIL NO. 120
3. CONSTRUCT 6" TYPE 'A-6' CURB AND GUTTER PER CITY OF MURRIETA STD. NO. 301
5. CONSTRUCT DRIVEWAY ENTRANCE PER CITY OF MURRIETA STD. NO. 310C. DIMENSIONS PER PLAN
6. CONSTRUCT P.C.C. SIDEWALK PER CITY OF MURRIETA STD. NO. 320
9. SAWCUT, GRIND, OVERLAY, AND JOIN EXISTING PAVEMENT PER DETAIL 1 ON SHEET 3.
14. PROPOSED TREE WELL WITH CURB CUT PER DETAIL 10 ON SHEET 3.
19. CONSTRUCT 3" THICK GRAVEL ROAD WITH 3/4" CRUSHED ROCK. COMPACT SUBGRADE TO 95% RELATIVE COMPACTION.
30. EXISTING SCE OVERHEAD POLE TO BE REMOVED PER SEPARATE SCE DESIGN. COORDINATE WITH UTILITY PURVEYOR PRIOR TO CONSTRUCTION
54. CURB CUT PER DETAIL 4, SHEET 3
66. CONSTRUCT BIOFILTRATION SWALE WITH PERFORATED PIPE PER DETAIL 3 ON SHEET 3.
71. CONSTRUCT CONCRETE INTERCEPTOR DRAIN PER CITY OF MURRIETA STD. NO. 432.

CURB GEOMETRIC DATA

XX	LENGTH	LINE/CHORD DIRECTION	R	REMARKS
C1	50.70'	N66°16'22"E	427.50'	6" C&G PER CITY STD. NO. 301
C2	31.24'	S65°34'57"E	20.00'	DWY PER CITY STD. NO. 310C
C3	29.78'	N17°50'02"E	20.00'	DWY PER CITY STD. NO. 310C
C4	138.04'	N52°06'56"E	472.00'	6" C&G PER CITY STD. NO. 301
L1	124.28'	N62°52'30"E		6" C&G PER CITY STD. NO. 301
L2	281.34'	N69°40'14"E		6" C&G PER CITY STD. NO. 301
L3	1.42'	N24°49'32"W		6" C&G PER CITY STD. NO. 301
L4	42.92'	N43°44'15"E		6" C&G PER CITY STD. NO. 301



WDID #: 9 33C401926

ENGINEER'S NOTE(S)

1. REFER TO SIGNING AND MARKING PLANS ON SHEETS 31-34 FOR ALL STRIPING IMPROVEMENTS.
2. REFER TO STORM DRAIN PLANS ON SHEETS 26-30 FOR ALL STORM DRAIN IMPROVEMENTS.
3. ALL STATIONS AND OFFSETS ON THIS PLAN ARE BASED ON THE INTERIM VISTA MURRIETA CENTERLINE

"AS BUILT"

THE RECEIPT OF AS-BUILT PLANS AND CITY'S ACCEPTANCE THEREOF DOES NOT ABSOLVE THE ENGINEER OF WORK OF ANY RESPONSIBILITY FOR THE PROJECT DESIGN.

ENGINEER OF WORK _____ DATE _____

RCE NO. _____ EXPIRATION DATE _____

SEAL: REGISTERED PROFESSIONAL ENGINEER TAMMIE C. MORENO No. 74417 CIVIL STATE OF CALIFORNIA

SCALE HORIZONTAL: AS NOTED

VERTICAL: AS NOTED

Kimley»Horn
401 B STREET, SUITE 600,
SAN DIEGO, CA 92101
PHONE: 619-234-9411
WWW.KIMLEY-HORN.COM

PREPARED BY _____ DATE 12/13/2024

TAMMIE MORENO
RCE NO. 74417 EXP. DATE 09/30/25

DATE	INITIAL	REVISION DESCRIPTION	SHT. NO.	DATE	INITIAL

ENGINEER OF WORK | CITY APPROVAL

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422-4133
TWO WORKING DAYS BEFORE YOU DIG

BENCH MARK
DESCRIPTON: RIVERSIDE COUNTY BENCHMARK 600-11-68
LOCATION: 4 FEET SOUTH OF THE SOUTH-EAST CORNER OF 7 FT CHAIN LINK FENCE OF S.C.E. MURRIETA SUBSTATION #2
RECORDED: 07-26-1982
ELEVATION: 1050.946 DATUM: NGVD1929

APPROVED FOR SIGNATURE
TODD L. PITNER
MICHAEL BAKER INTERNATIONAL
RCE NO. 58606
12-17-24 DATE

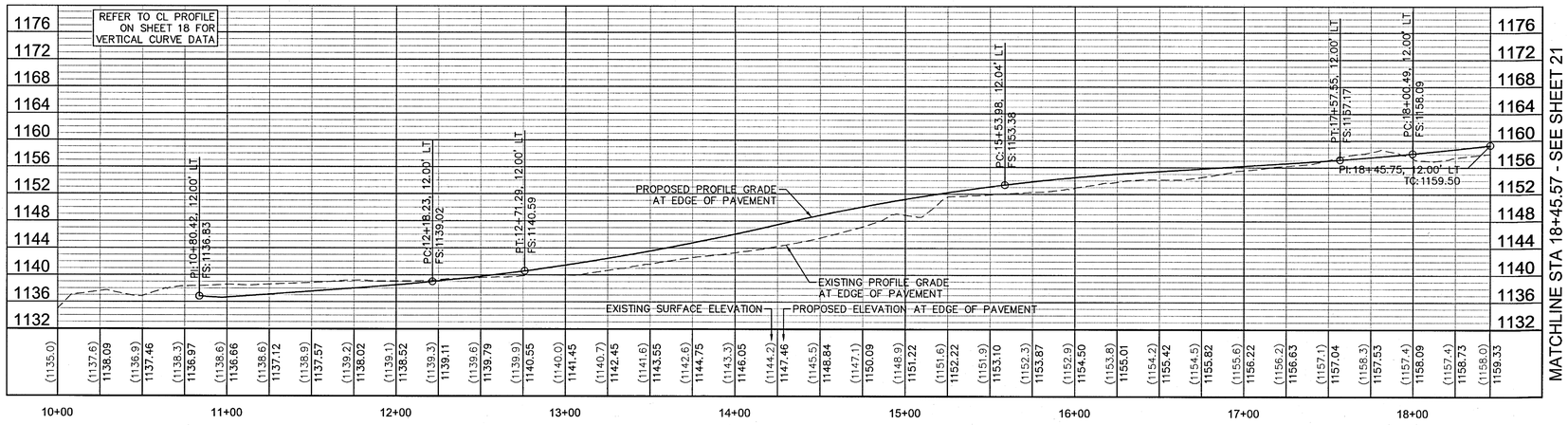
SHEET	CITY OF MURRIETA ENGINEERING DEPARTMENT	SHEETS
18		37

STREET IMPROVEMENT PLAN
TENTATIVE PARCEL MAP 38373
VISTA MURRIETA RD IMPROVEMENT PLAN AND PROFILE STA. 10+37.00 TO 18+45.75

APPROVED
ROBERT K. MOEHLING DATE 12/19/24
DIRECTOR OF PUBLIC WORKS / CITY ENGINEER RCE 63056

DWN BY: CR	PROJECT NO.	DRAWING NO.
CHKD BY: TM	ENC-PC-IMP-2023-00010	24-587
FIELD BK:		

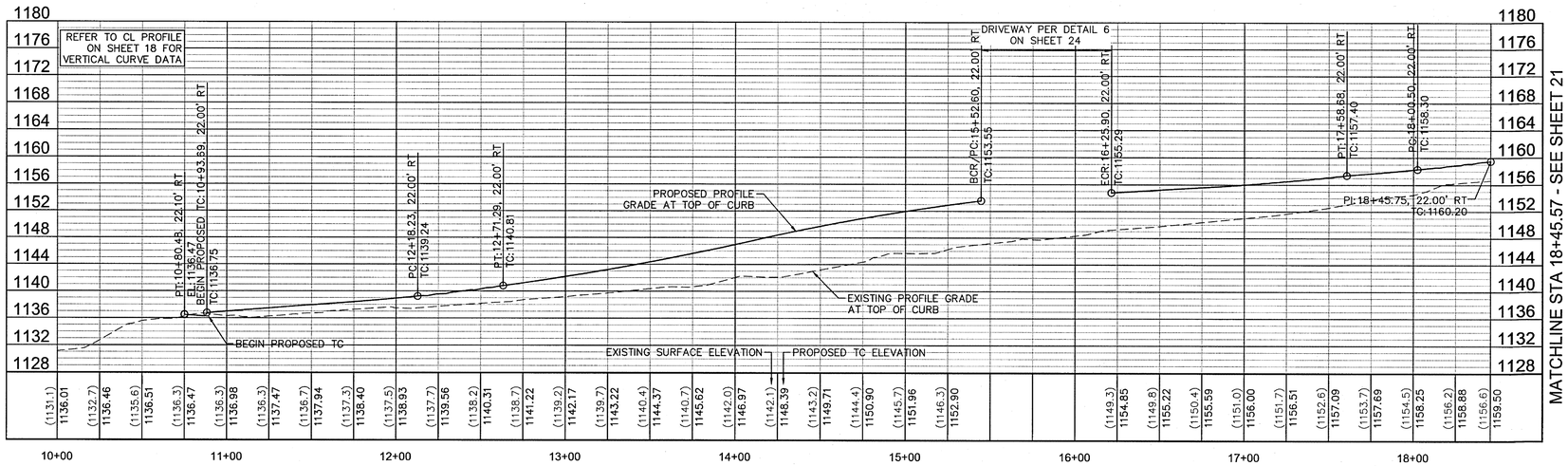
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MATCHLINE STA 18+45.57 - SEE SHEET 21

VISTA MURRIETA ROAD LEFT EDGE OF PAVEMENT PROFILE

HORIZONTAL SCALE: 1"=40'
VERTICAL SCALE: 1"=10'



MATCHLINE STA 18+45.57 - SEE SHEET 21

VISTA MURRIETA ROAD RIGHT TOP OF CURB PROFILE

HORIZONTAL SCALE: 1"=40'
VERTICAL SCALE: 1"=10'

WDID #: 9 33C401926

"AS BUILT"

THE RECEIPT OF AS-BUILT PLANS AND CITY'S ACCEPTANCE THEREOF DOES NOT ABSOLVE THE ENGINEER OF WORK OF ANY RESPONSIBILITY FOR THE PROJECT DESIGN.

ENGINEER OF WORK _____ DATE _____

RCE NO. _____ EXPIRATION DATE _____

SEAL: REGISTERED PROFESSIONAL ENGINEER TAMMIE C. MORENO No. 74417 CIVIL STATE OF CALIFORNIA

SCALE
HORIZONTAL: AS NOTED
VERTICAL: AS NOTED

Kimley»Horn
401 B STREET, SUITE 600,
SAN DIEGO, CA 92101
PHONE: 619-234-9411
WWW.KIMLEY-HORN.COM

PREPARED BY _____ DATE 11/19/2024
TAMMIE MORENO
RCE NO. 74417 EXP. DATE 09/30/25

Underground Service Alert
Call TOLL FREE
1-800
422-4133
TWO WORKING DAYS BEFORE YOU DIG

BENCH MARK
DESCRIPTON: RIVERSIDE COUNTY BENCHMARK 600-11-68
LOCATION: 4 FEET SOUTH OF THE SOUTH-EAST CORNER OF 7 FT CHAIN LINK FENCE OF S.C.E. MURRIETA SUBSTATION #2
RECORDED: 07-26-1982
ELEVATION: 1050.946 DATUM: NGVD1929

APPROVED FOR SIGNATURE
TODD L. PITNER
MICHAEL BAKER INTERNATIONAL
RCE NO. 58606
11-26-24 DATE

DATE	INITIAL	ENGINEER OF WORK	REVISION DESCRIPTION	SHT. NO.	DATE	INITIAL	CITY APPROVAL

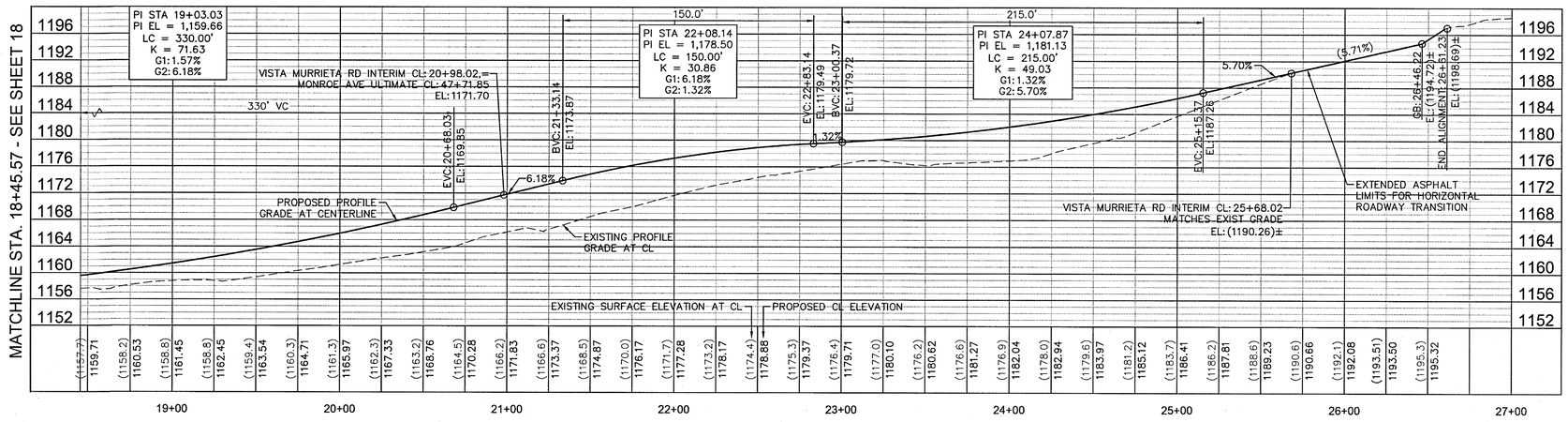
SHEET 19 | CITY OF MURRIETA ENGINEERING DEPARTMENT | SHEETS 37

STREET IMPROVEMENT PLAN
TENTATIVE PARCEL MAP 38373
VISTA MURRIETA RD IMPROVEMENT PLAN
AND PROFILE STA. 10+37.00 TO 18+45.75

APPROVED
ROBERT K. MOEHLING DATE 12/19/24
DIRECTOR OF PUBLIC WORKS / CITY ENGINEER RCE 63056

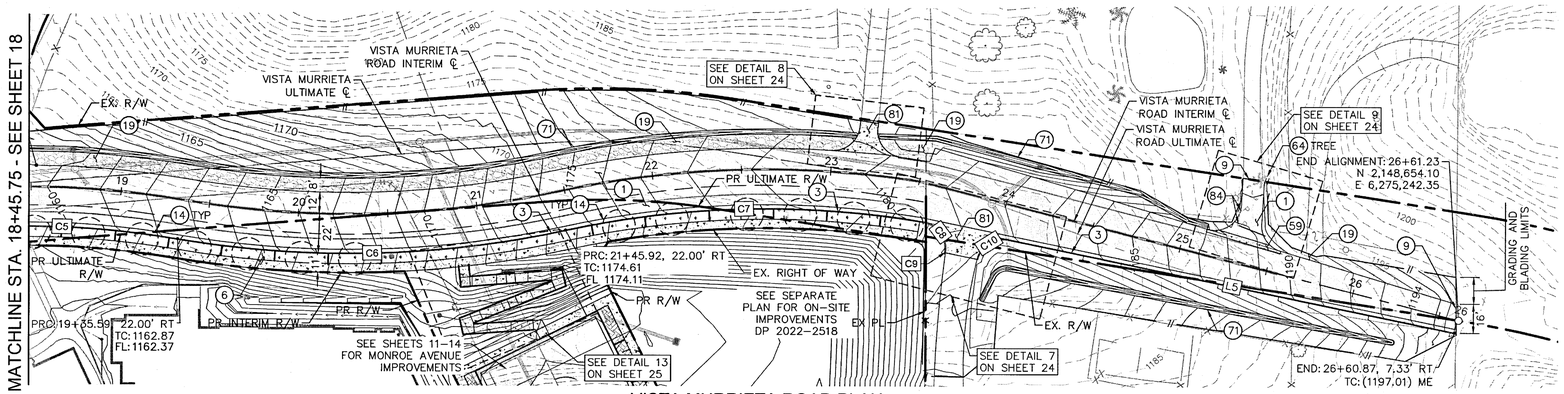
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FIELD BK: _____
PROJECT NO. ENC-PC-IMP-2023-00010
DRAWING NO. 24-588

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VISTA MURRIETA ROAD INTERIM CENTERLINE PROFILE

HORIZONTAL SCALE: 1"=40'
VERTICAL SCALE: 1"=10'



VISTA MURRIETA ROAD PLAN

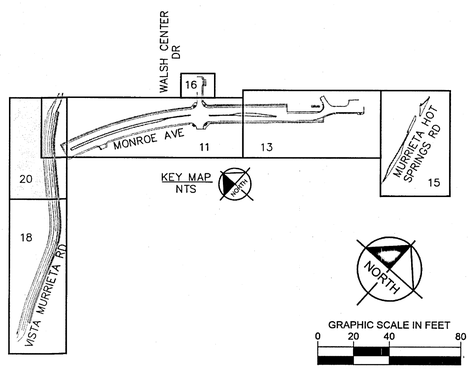
SCALE: 1"=40'

CONSTRUCTION NOTES

1. CONSTRUCT 4" AC OVER 15" CLASS II AGG. BASE PER CITY OF MURRIETA STD DETAIL NO. 120
3. CONSTRUCT 6" TYPE 'A-6' CURB AND GUTTER PER CITY OF MURRIETA STD. NO. 301
6. CONSTRUCT P.C.C. SIDEWALK PER CITY OF MURRIETA STD. NO. 320
9. SAWCUT, GRIND, OVERLAY, AND JOIN EXISTING PAVEMENT PER DETAIL 1 ON SHEET 3.
14. PROPOSED TREE WELL PER DETAIL 10 ON SHEET 3.
19. CONSTRUCT 3" THICK GRAVEL ROAD WITH 3/4" CRUSHED ROCK. COMPACT SUBGRADE TO 95% RELATIVE COMPACTION.
59. CONSTRUCT 3' RIBBON GUTTER PER DETAIL 5 ON SHEET 3.
64. PROTECT IN PLACE.
71. CONSTRUCT CONCRETE INTERCEPTOR DRAIN PER CITY OF MURRIETA STD. NO. 432.
81. CONSTRUCT 6" PCC OVER 6" AGGREGATE BASE WITH NO. 3 REINFORCING BARS 12" O.C. BOTH WAYS.
84. REMOVE AND REINSTALL FENCE POSTS.

CURB GEOMETRIC DATA

XX	LENGTH	LINE/CHORD DIRECTION	R	REMARKS
C5	129.76'	N50°46'40"E	528.00'	6" C&G PER CITY STD. NO. 301
C6	218.74'	N46°51'46"E	572.00'	6" C&G PER CITY STD. NO. 301
C7	201.61'	N46°50'48"E	528.00'	DWY PER CITY STD. NO. 310C
C8	23.08'	S78°07'38"E	15.00'	6" CURB PER CITY STD. NO. 310
C9	0.58'	S34°03'47"E	737.26'	6" CURB PER CITY STD. NO. 310
C10	22.99'	N16°05'44"E	15.00'	6" CURB PER CITY STD. NO. 310
L5	254.81'	N60°00'00"E		6" C&G PER CITY STD. NO. 301



WDID #: 9 33C401926

ENGINEER'S NOTE(S)

1. REFER TO SIGNING AND MARKING PLANS ON SHEETS 31-34 FOR ALL STRIPING IMPROVEMENTS.
2. REFER TO STORM DRAIN PLANS ON SHEETS 26-30 FOR ALL FOR ALL STORM DRAIN IMPROVEMENTS.
3. ALL STATIONS AND OFFSETS ON THIS PLAN ARE BASED ON THE INTERIM VISTA MURRIETA CENTERLINE

"AS BUILT"

THE RECEIPT OF AS-BUILT PLANS AND CITY'S ACCEPTANCE THEREOF DOES NOT ABSOLVE THE ENGINEER OF WORK OF ANY RESPONSIBILITY FOR THE PROJECT DESIGN.

ENGINEER OF WORK _____ DATE _____

RCE NO. _____ EXPIRATION DATE _____

SEAL: REGISTERED PROFESSIONAL ENGINEER TAMMIE C. MORENO No. 74417 CIVIL STATE OF CALIFORNIA

SCALE
HORIZONTAL: AS NOTED
VERTICAL: AS NOTED

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SAN DIEGO, CA 92101
PHONE: 619-234-9411
WWW.KIMLEY-HORN.COM

PREPARED BY _____ DATE 12/13/2024
TAMMIE MORENO
RCE NO. 74417 EXP. DATE 09/30/25

ENGINEER OF WORK DATE _____ INITIAL _____

SHT. NO.	REVISION DESCRIPTION	DATE	INITIAL

CITY APPROVAL

Underground Service Alert
Call TOLL FREE
1-800
422-4133
TWO WORKING DAYS BEFORE YOU DIG

BENCH MARK
DESCRIPTION: RIVERSIDE COUNTY BENCHMARK 600-11-68
LOCATION: 4 FEET SOUTH OF THE SOUTH-EAST CORNER OF 7 FT CHAIN LINK FENCE OF S.C.E. MURRIETA SUBSTATION #2
RECORDED: 07-26-1982
ELEVATION: 1050.946 DATUM: NGVD1929

APPROVED FOR SIGNATURE
TODD L. PITNER
MICHAEL BAKER INTERNATIONAL
RCE NO. 58606
12-17-24 DATE

SHEET	CITY OF MURRIETA ENGINEERING DEPARTMENT	SHEETS
20		37

STREET IMPROVEMENT PLAN
TENTATIVE PARCEL MAP 38373
VISTA MURRIETA RD IMPROVEMENT PLAN
AND PROFILE STA. 18+45.75 TO 26+61.23

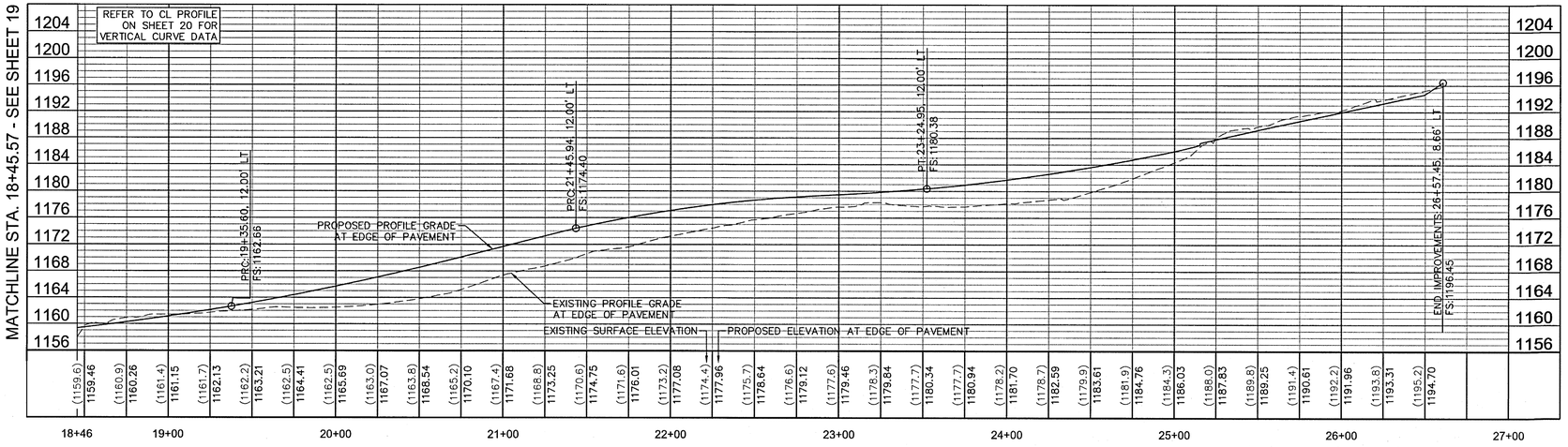
APPROVED
ROBERT K. MOEHLING, DIRECTOR OF PUBLIC WORKS / CITY ENGINEER RCE 63056 DATE 12/19/24

DWN BY: CR
CHKD BY: TM
FIELD BK: _____

PROJECT NO. ENC-PC-IMP-2023-00010

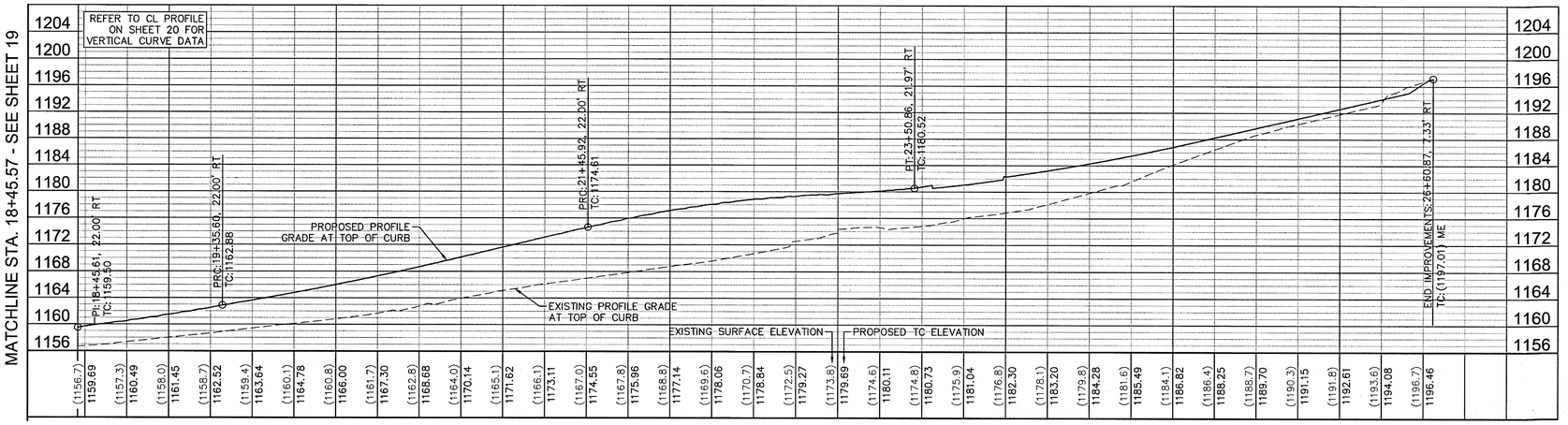
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VISTA MURRIETA ROAD LEFT EDGE OF PAVEMENT PROFILE

HORIZONTAL SCALE: 1"=40'
VERTICAL SCALE: 1"=10'



VISTA MURRIETA ROAD RIGHT TOP OF CURB PROFILE

HORIZONTAL SCALE: 1"=40'
VERTICAL SCALE: 1"=10'

WDID #: 9 33C401926

"AS BUILT"

THE RECEIPT OF AS-BUILT PLANS AND CITY'S ACCEPTANCE THEREOF DOES NOT ABSOLVE THE ENGINEER OF WORK OF ANY RESPONSIBILITY FOR THE PROJECT DESIGN.

ENGINEER OF WORK — DATE

RCE NO. — EXPIRATION DATE

SEAL: REGISTERED PROFESSIONAL ENGINEER — TAMMIE C. MORENO — No. 74417 — CIVIL — STATE OF CALIFORNIA

SCALE
HORIZONTAL: AS NOTED
VERTICAL: AS NOTED

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SAN DIEGO, CA 92101
PHONE: 619-234-9411
WWW.KIMLEY-HORN.COM

PREPARED BY — DATE 11/19/2024
TAMMIE MORENO
RCE NO. 74417 — EXP. DATE 09/30/25

DATE	INITIAL	REVISION DESCRIPTION	SHT. NO.	DATE	INITIAL

ENGINEER OF WORK — CITY APPROVAL

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BENCH MARK
DESCRIPTION: RIVERSIDE COUNTY BENCHMARK 600-11-68
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RECORDED: 07-26-1982
ELEVATION: 1050.946 DATUM: NGVD1929

APPROVED FOR SIGNATURE
TODD L. PITNER
MICHAEL BAKER INTERNATIONAL
RCE NO. 58606
11-26-24 DATE

SHEET 21 — CITY OF MURRIETA — ENGINEERING DEPARTMENT — SHEETS 37

STREET IMPROVEMENT PLAN
TENTATIVE PARCEL MAP 38373
VISTA MURRIETA RD IMPROVEMENT PLAN
AND PROFILE STA. 18+45.75 TO 26+61.23

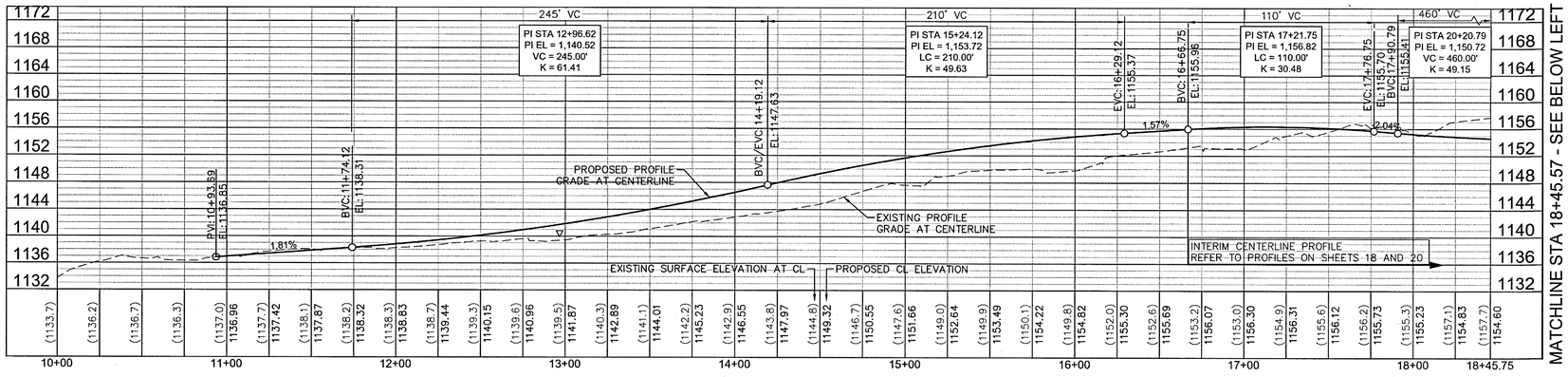
APPROVED
ROBERT K. MOEHLING — DATE 12/19/24
DIRECTOR OF PUBLIC WORKS / CITY ENGINEER — RCE 63056

DWN BY: CR
CHKD BY: TM
FIELD BK:

PROJECT NO. ENC-PC-IMP-2023-00010

DRAWING NO. 24-590

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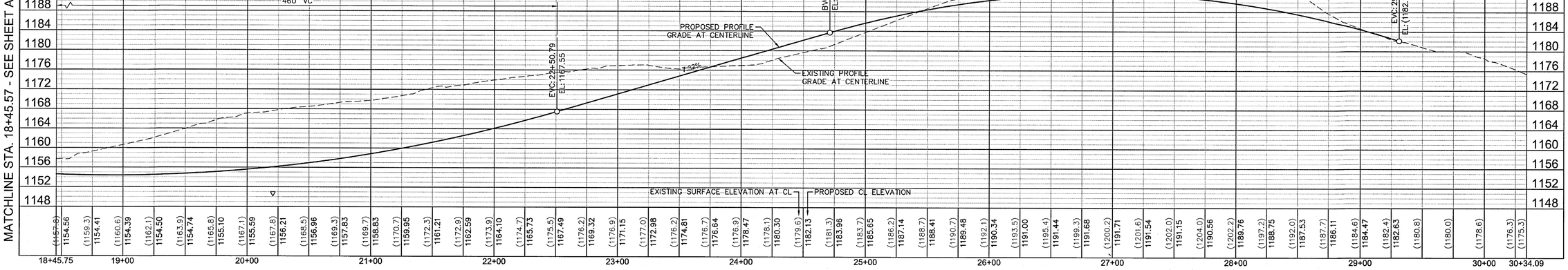


MATCHLINE STA 18+45.57 - SEE BELOW LEFT

VISTA MURRIETA ROAD ULTIMATE CENTERLINE PROFILE

HORIZONTAL SCALE: 1"=40'
VERTICAL SCALE: 1"=10'

MATCHLINE STA. 18+45.57 - SEE SHEET ABOVE RIGHT



VISTA MURRIETA ROAD ULTIMATE CENTERLINE PROFILE

HORIZONTAL SCALE: 1"=40'
VERTICAL SCALE: 1"=10'

ENGINEER'S NOTE

1. REFER TO STORM DRAIN PLANS ON SHEETS 26–30 FOR ALL STORM DRAIN IMPROVEMENTS.

"AS BUILT"

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ENGINEER OF WORK _____ DATE _____

RCE NO. _____ EXPIRATION DATE _____

SEAL: REGISTERED PROFESSIONAL ENGINEER — JAMIE C. MORENO — No. 74417 — CIVIL — STATE OF CALIFORNIA

SCALE HORIZONTAL: AS NOTED
VERTICAL: AS NOTED

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SAN DIEGO, CA 92101
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PREPARED BY _____ DATE 11/19/2024
TAMMIE MORENO
RCE NO. 74417 EXP. DATE 09/30/25

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422-4133
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BENCH MARK
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LOCATION: 4 FEET SOUTH OF THE SOUTH-EAST CORNER OF 7 FT CHAIN LINK FENCE OF S.C.E. MURRIETA SUBSTATION #2
RECORDED: 07-26-1982
ELEVATION: 1050.946 DATUM: NGVD1929

APPROVED FOR SIGNATURE
TODD L. PITNER
MICHAEL BAKER INTERNATIONAL
RCE NO. 58606
11-26-24 DATE

DATE	INITIAL	ENGINEER OF WORK	REVISION DESCRIPTION	SHT. NO.	DATE	INITIAL	CITY APPROVAL

WDID #: 9 33C401926

SHEET 22 — CITY OF MURRIETA — ENGINEERING DEPARTMENT — SHEETS 37

STREET IMPROVEMENT PLAN
TENTATIVE PARCEL MAP 38373
VISTA MURRIETA RD IMPROVEMENT PLAN
AND PROFILE STA. 10+00.00 TO 29+31.11

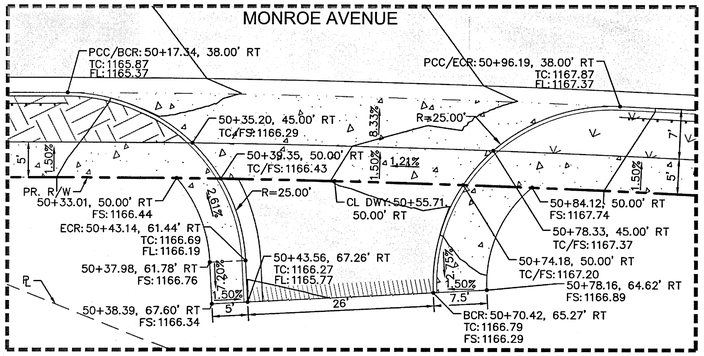
APPROVED
ROBERT K. MOEHLING — DATE 12/19/24
DIRECTOR OF PUBLIC WORKS / CITY ENGINEER RCE 63056

DWN BY: CR
CHKD BY: TM
FIELD BK: _____

PROJECT NO. ENC-PC-IMP-2023-00010

DRAWING NO. 24-591

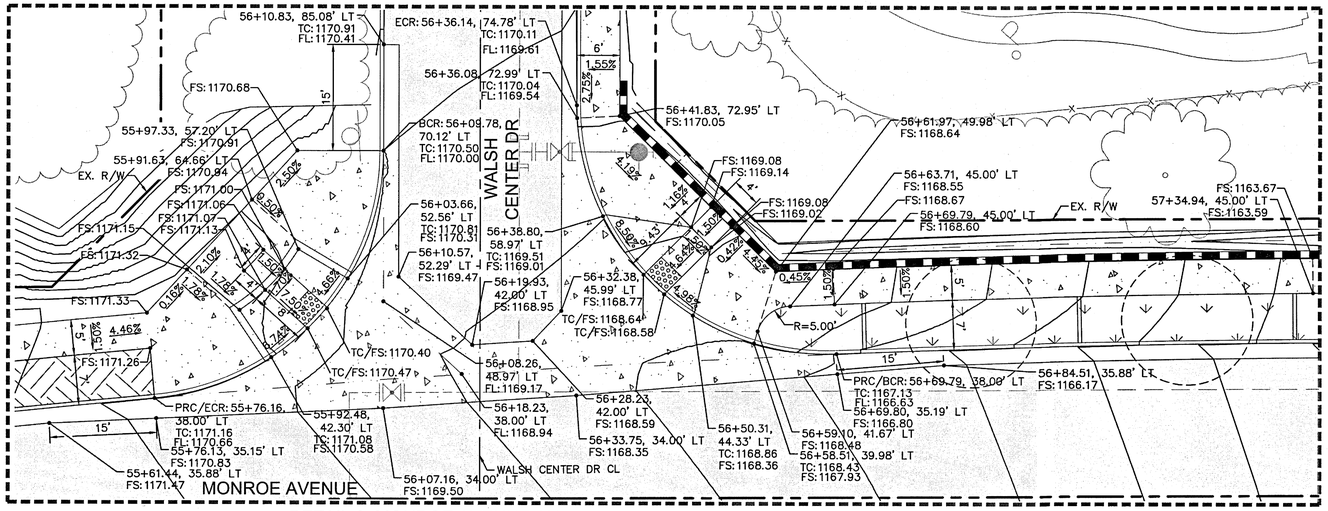
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DETAIL1: MONROE AVENUE WEST SIDE DRIVEWAY

SCALE: 1"=10'

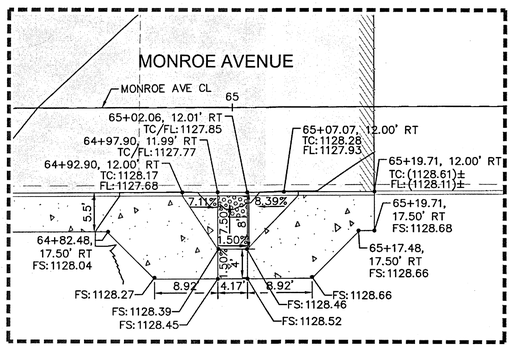
SEE SHEET 11



DETAIL 2: MONROE AVENUE AND WALSH CENTER DRIVE PROPOSED N CURB RAMPS

SCALE: 1"=10'

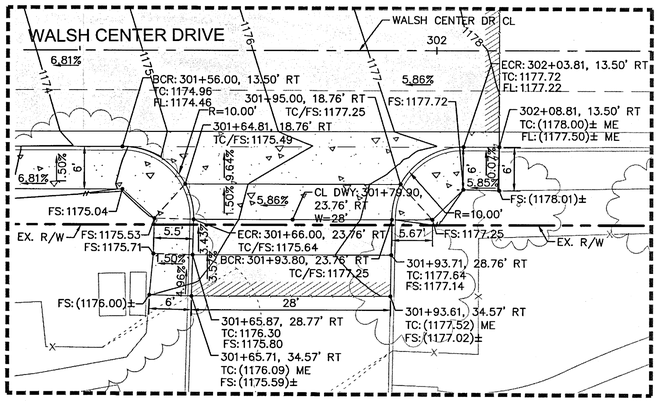
SEE SHEET 11



DETAIL 3: MONROE AVENUE
PROPOSED SOUTH CURB RAMP

SCALE: 1"=10'

SEE SHEET 13

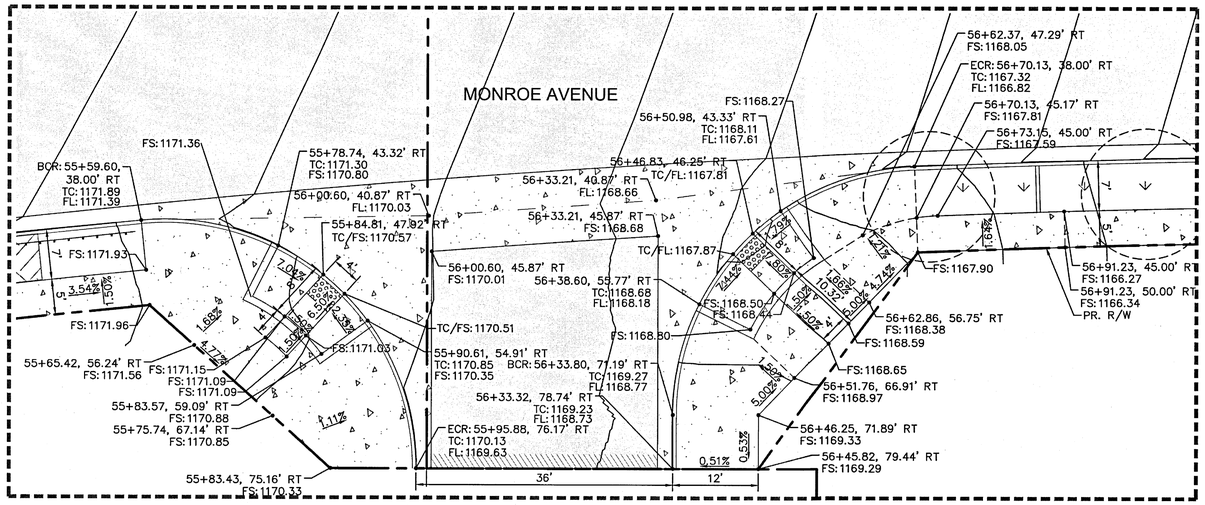


DETAIL 4: WALSH CENTER DRIVE PROPOSED DRIVEWAY

SCALE: 1"=10'

SEE SHEET 16

NOTE: ALL STATIONS AND OFFSETS REFERENCE WALSH CENTER DRIVE CENTERLINE.



DETAIL 5: MONROE AVENUE AND WALSH CENTER DRIVE PROPOSED S CURB RAMPS

SCALE: 1"=10'

SEE SHEET 11

ENGINEER'S NOTE(S)

1. ALL STATIONS AND OFFSETS TO REFERENCE MONROE AVE CENTERLINE UNLESS OTHERWISE NOTED ON PLANS.

ENGINEER'S NOTE

REFER TO SIGNING AND MARKING PLANS FOR DISPOSAL, RELOCATION, OR NEW INSTALLATION OF ALL PAVEMENT MARKINGS AND SIGNS.

WDID #: 9 33C401926

"AS BUILT"

THE RECEIPT OF AS-BUILT PLANS AND CITY'S ACCEPTANCE THEREOF DOES NOT ABSOLVE THE ENGINEER OF WORK OF ANY RESPONSIBILITY FOR THE PROJECT DESIGN.

ENGINEER OF WORK _____ DATE _____

RCE NO. _____ EXPIRATION DATE _____

SEAL: REGISTERED PROFESSIONAL ENGINEER — JAMIE C. WORKEN — No. 74417 — CIVIL — STATE OF CALIFORNIA

SCALE
HORIZONTAL
AS NOTED
VERTICAL
AS NOTED

Kimley»Horn

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SAN DIEGO, CA 92101
PHONE: 619-234-9411
WWW.KIMLEY-HORN.COM

PREPARED BY _____ DATE 11/21/2024

TAMMIE MORENO
RCE NO. 74417 EXP. DATE 09/30/25

DATE	INITIAL	REVISION DESCRIPTION	SHT. NO.	DATE	INITIAL
ENGINEER OF WORK				CITY APPROVAL	

Underground Service Alert
DIG ALERT
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422-4133
TWO WORKING DAYS BEFORE YOU DIG

BENCH MARK
DESCRIPTION: RIVERSIDE COUNTY BENCHMARK 600-11-68
LOCATION: 4 FEET SOUTH OF THE SOUTH-EAST CORNER OF 7 FT CHAIN LINK FENCE OF S.C.E. MURRIETA SUBSTATION #2
RECORDED: 07-26-1982
ELEVATION: 1050.946 DATUM: NGVD1929

APPROVED FOR SIGNATURE

TODD L. PITNER
MICHAEL BAKER INTERNATIONAL
RCE NO. 58606

11-26-24
DATE

SHEET	CITY OF MURRIETA	SHEETS
23	ENGINEERING DEPARTMENT	37

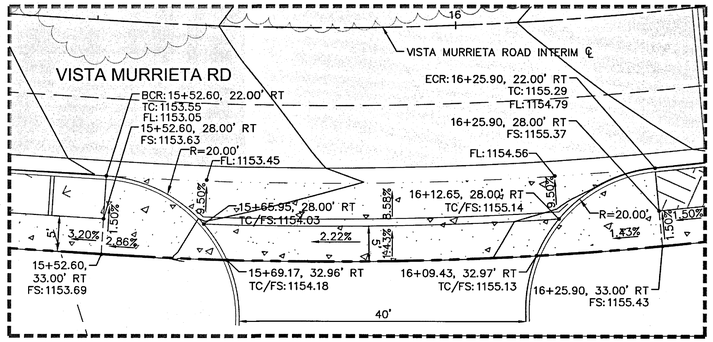
STREET IMPROVEMENT PLAN
TENTATIVE PARCEL MAP 38373

STAKING DETAILS

APPROVED
ROBERT K. MOEHLING
DIRECTOR OF PUBLIC WORKS / CITY ENGINEER
DATE 12/19/24
RCE 63050

DWN BY: CR	PROJECT NO.	DRAWING NO.
CHKD BY: TM	ENC-PC-IMP-2023-00010	24-592
FIELD BK:		

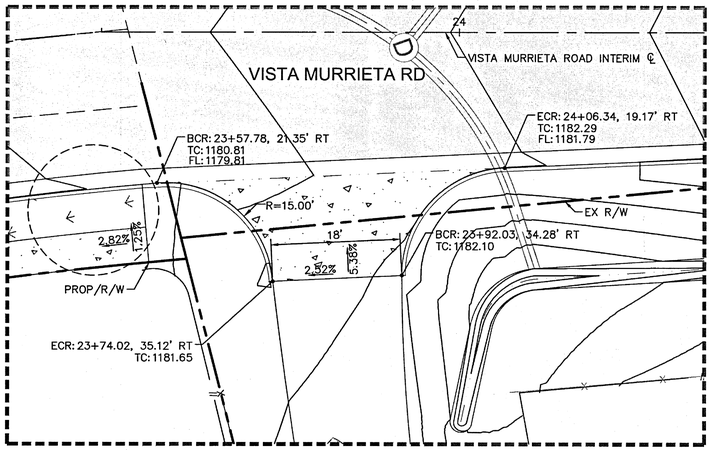
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DETAIL 6: VISTA MURRIETA ROAD PROPOSED W DRIVEWAY

SCALE: 1"=10'

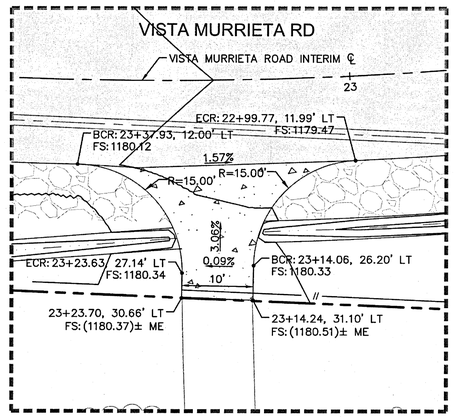
SEE SHEET 18



DETAIL 7: VISTA MURRIETA ROAD PROPOSED NE DRIVEWAY

SCALE: 1"=10'

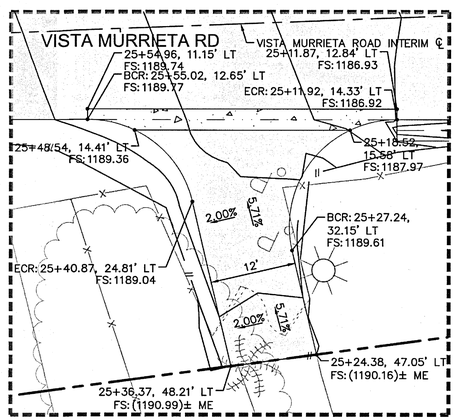
SEE SHEET 20



DETAIL 8: VISTA MURRIETA ROAD PROPOSED N DRIVEWAY 1

SCALE: 1"=10'

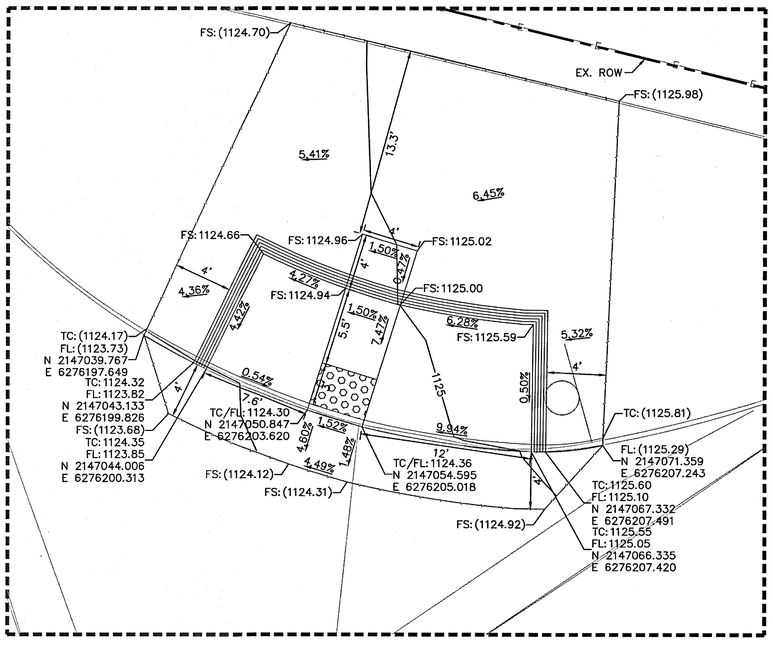
SEE SHEET 20



DETAIL 9: VISTA MURRIETA ROAD PROPOSED N DRIVEWAY 2

SCALE: 1"=10'

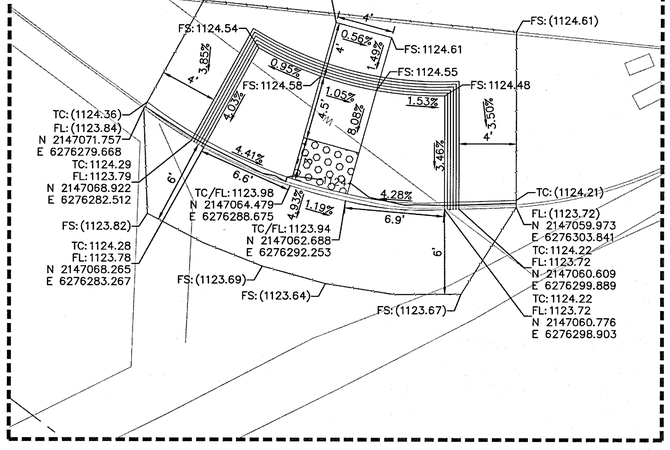
SEE SHEET 20



DETAIL 10: MURRIETA HOT SPRINGS NW CURB RAMP

SCALE: 1"=5'

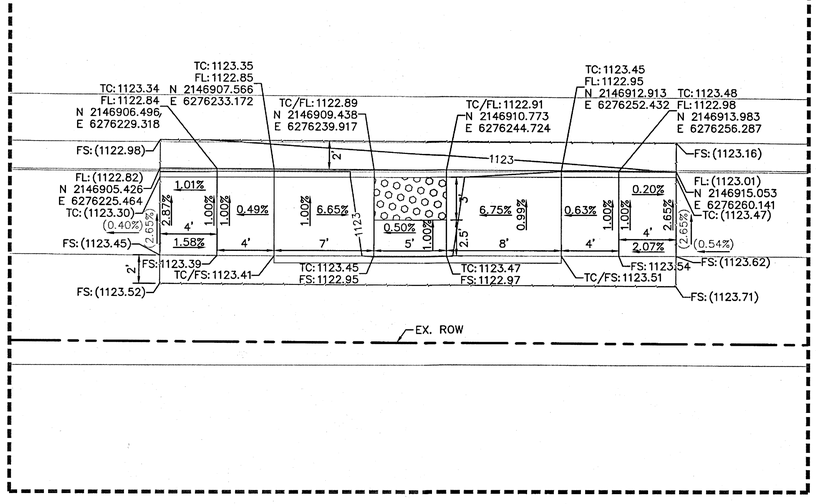
SEE SHEET 15



DETAIL 11: MURRIETA HOT SPRINGS NE CURB RAMP

SCALE: 1"=5'

SEE SHEET 15



DETAIL 12: MURRIETA HOT SPRINGS SOUTH CURB RAMP

SCALE: 1"=5'

SEE SHEET 15

WDID #: 9 33C401926

ENGINEER'S NOTE(S)

1. REFER TO SIGNING AND MARKING PLANS FOR DISPOSAL, RELOCATION, OR NEW INSTALLATION OF ALL PAVEMENT MARKINGS AND SIGNS.

"AS BUILT"

THE RECEIPT OF AS-BUILT PLANS AND CITY'S ACCEPTANCE THEREOF DOES NOT ABSOLVE THE ENGINEER OF WORK OF ANY RESPONSIBILITY FOR THE PROJECT DESIGN.

ENGINEER OF WORK _____ DATE _____

RCE NO. _____ EXPIRATION DATE _____

SEAL: REGISTERED PROFESSIONAL ENGINEER TAMMIE C. MORENO No. 74417 CIVIL STATE OF CALIFORNIA

SCALE

HORIZONTAL: AS NOTED

VERTICAL: AS NOTED

Kimley»Horn

401 B STREET, SUITE 600, SAN DIEGO, CA 92101
PHONE: 619-234-9411
WWW.KIMLEY-HORN.COM

PREPARED BY _____ DATE 11/19/2024

TAMMIE MORENO
RCE NO. 74417 EXP. DATE 09/30/25

Underground Service Alert
CALL BEFORE YOU DIG
Call TOLL FREE
1-800
422-4133
TWO WORKING DAYS BEFORE YOU DIG

BENCH MARK
DESCRIPTION: RIVERSIDE COUNTY BENCHMARK 600-11-68
LOCATION: 4 FEET SOUTH OF THE SOUTH-EAST CORNER OF 7 FT CHAIN LINK FENCE OF S.C.E. MURRIETA SUBSTATION #2
RECORDED: 07-26-1982
ELEVATION: 1050.946 DATUM: NGVD1929

APPROVED FOR SIGNATURE

TODD L. PITNER
MICHAEL BAKER INTERNATIONAL
RCE NO. 58606

11-26-24
DATE

DATE	INITIAL	ENGINEER OF WORK	REVISION DESCRIPTION	SHT. NO.	DATE	INITIAL	CITY APPROVAL

SHEET 24 | CITY OF MURRIETA ENGINEERING DEPARTMENT | SHEETS 37

STREET IMPROVEMENT PLAN
TENTATIVE PARCEL MAP 38373

STAKING DETAILS

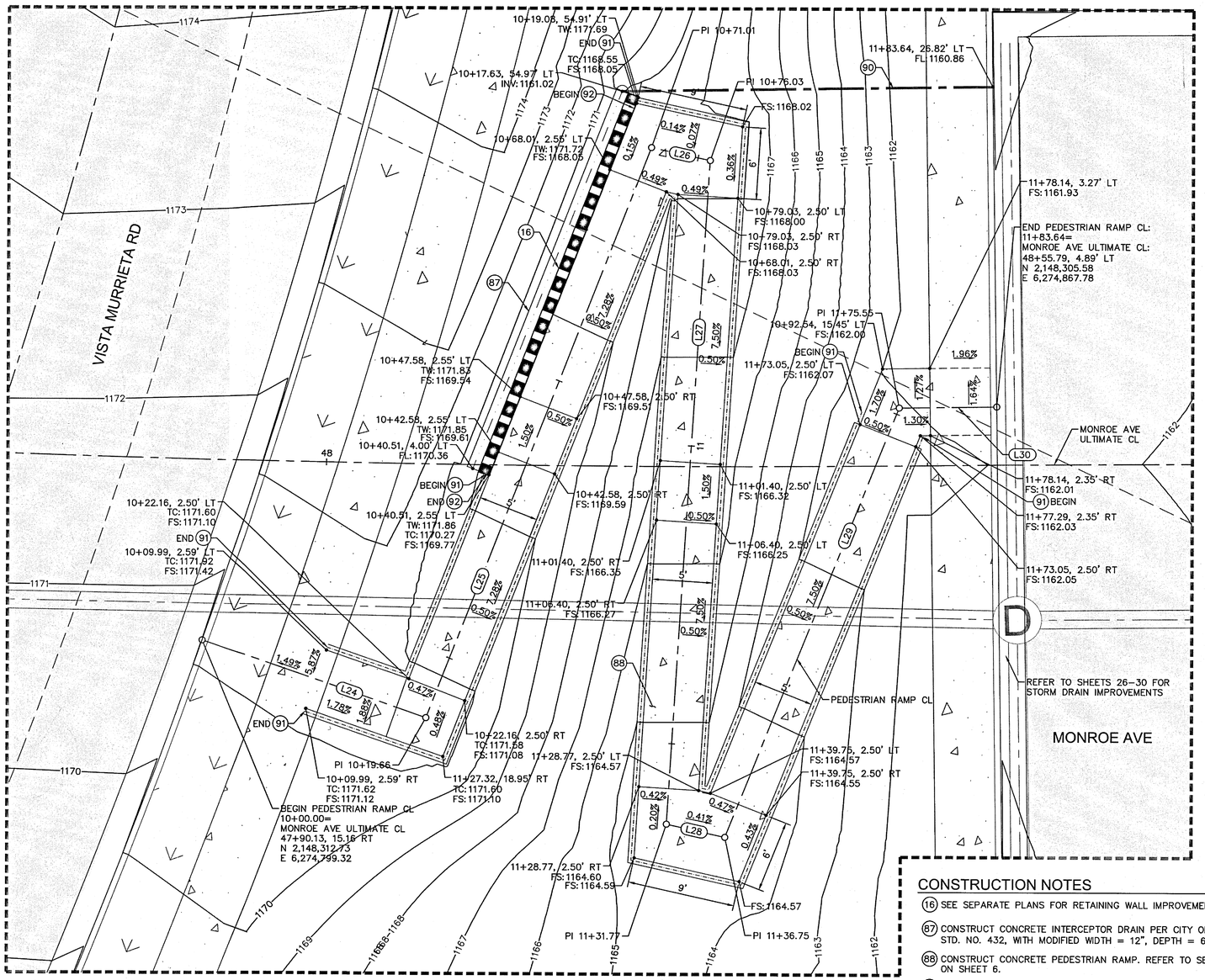
APPROVED
ROBERT K. MOEHLING
DIRECTOR OF PUBLIC WORKS / CITY ENGINEER
DATE 12/19/24
RCE 63056

DWN BY: CR
CHKD BY: TM
FIELD BK: _____

PROJECT NO. ENC-PC-IMP-2023-00010

DRAWING NO. 24-593

Plotted By:Rokosz, Cody Sheet Set:Kha Layout:DT02 November 19, 2024 01:27:30pm K:\SND_LD\CA\195120004 - the terraces murrieta\Design\plan\sheets - street improvements\120004-DT01.dwg
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CONSTRUCTION NOTES

(16) SEE SEPARATE PLANS FOR RETAINING WALL IMPROVEMENTS.

(87) CONSTRUCT CONCRETE INTERCEPTOR DRAIN PER CITY OF MURRIETA STD. NO. 432, WITH MODIFIED WIDTH = 12", DEPTH = 6".

(88) CONSTRUCT CONCRETE PEDESTRIAN RAMP. REFER TO SECTION DETAILS ON SHEET 6.

(90) CONSTRUCT SIDEWALK UNDERDRAIN PER CITY OF MURRIETA STD NO. 426. SIDEWALK UNDERDRAIN ASSEMBLY SHALL INCLUDE 3" PVC PIPE AND ATRIUM DRAIN AS NECESSARY.

(91) FURNISH AND INSTALL PIPE GUARDRAIL – POST TYPE WITH PEDESTRIAN RAILING PER DETAIL 1 ON THIS SHEET.

(92) FURNISH AND INSTALL PIPE HANDRAIL WALL MOUNTED PEDESTRIAN RAILING PER DETAIL 1 ON THIS SHEET.

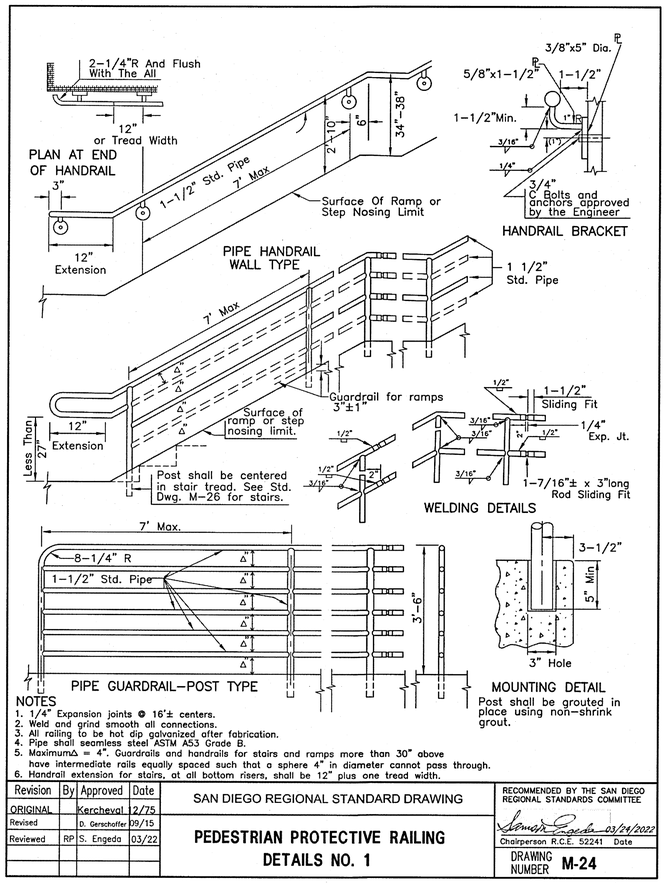
PEDESTRIAN RAMP CENTERLINE GEOMETRIC DATA

	LENGTH	LINE/CHORD DIRECTION	R	T
L24	19.66'	S48°10'18"E		
L25	51.35'	N43°53'14"E		
L26	5.02'	S54°57'42"E		
L27	55.74'	S26°11'21"W		
L28	4.99'	S54°42'51"E		
L29	38.80'	N44°22'58"E		
L30	8.08'	S68°13'02"E		

DETAIL 13: PEDESTRIAN RAMP DETAIL

SCALE: 1"=5'
SEE SHEET 11 AND 20

NORTH



NOTES
1. 1/4" Expansion joints @ 16'± centers.
2. Weld and grind smooth all connections.
3. All railing to be hot dip galvanized after fabrication.
4. Pipe shall seamless steel ASTM A53 Grade B.
5. Maximum s = 4". Guardrails and handrails for stairs and ramps more than 30" above have intermediate rails equally spaced such that a sphere 4" in diameter cannot pass through.
6. Handrail extension for stairs, at all bottom risers, shall be 12" plus one tread width.

Revision	By	Approved	Date
ORIGINAL		Kercheval	12/75
Revised		D. Gerschoffer	09/15
Reviewed	RP	S. Engeda	03/22

SAN DIEGO REGIONAL STANDARD DRAWING

PEDESTRIAN PROTECTIVE RAILING DETAILS NO. 1

RECOMMENDED BY THE SAN DIEGO REGIONAL STANDARDS COMMITTEE
Chairperson R.C.E. 52241 Date 03/24/2022
DRAWING NUMBER M-24

(1) PEDESTRIAN HANDRAILS DETAIL (91) (92)
NOT TO SCALE

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ENGINEER OF WORK DATE
RCE NO. EXPIRATION DATE

SEAL: REGISTERED PROFESSIONAL ENGINEER TAMMIE C. MORENO No. 74417 CIVIL STATE OF CALIFORNIA

SCALE HORIZONTAL: AS NOTED
VERTICAL: AS NOTED

Kimley»Horn
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PHONE: 619-234-9411
WWW.KIMLEY-HORN.COM

PREPARED BY DATE 11/19/2024
TAMMIE MORENO
RCE NO. 74417 EXP. DATE 09/30/25

	DATE	INITIAL
ENGINEER OF WORK		

REVISION DESCRIPTION

SHT. NO.	DATE	INITIAL
CITY APPROVAL		

Underground Service Alert
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Call TOLL FREE 1-800 422-4133
TWO WORKING DAYS BEFORE YOU DIG

BENCH MARK
DESCRIPTION: RIVERSIDE COUNTY BENCHMARK 600-11-68
LOCATION: 4 FEET SOUTH OF THE SOUTH-EAST CORNER OF 7 FT CHAIN LINK FENCE OF S.C.E. MURRIETA SUBSTATION #2
RECORDED: 07-26-1982
ELEVATION: 1050.946 DATUM: NGVD1929

APPROVED FOR SIGNATURE
TODD L. PITNER
MICHAEL BAKER INTERNATIONAL
RCE NO. 58606
11-26-24 DATE

WDID #: 9 33C401926

SHEET 25 | CITY OF MURRIETA ENGINEERING DEPARTMENT | SHEETS 37

STREET IMPROVEMENT PLAN
TENTATIVE PARCEL MAP 38373

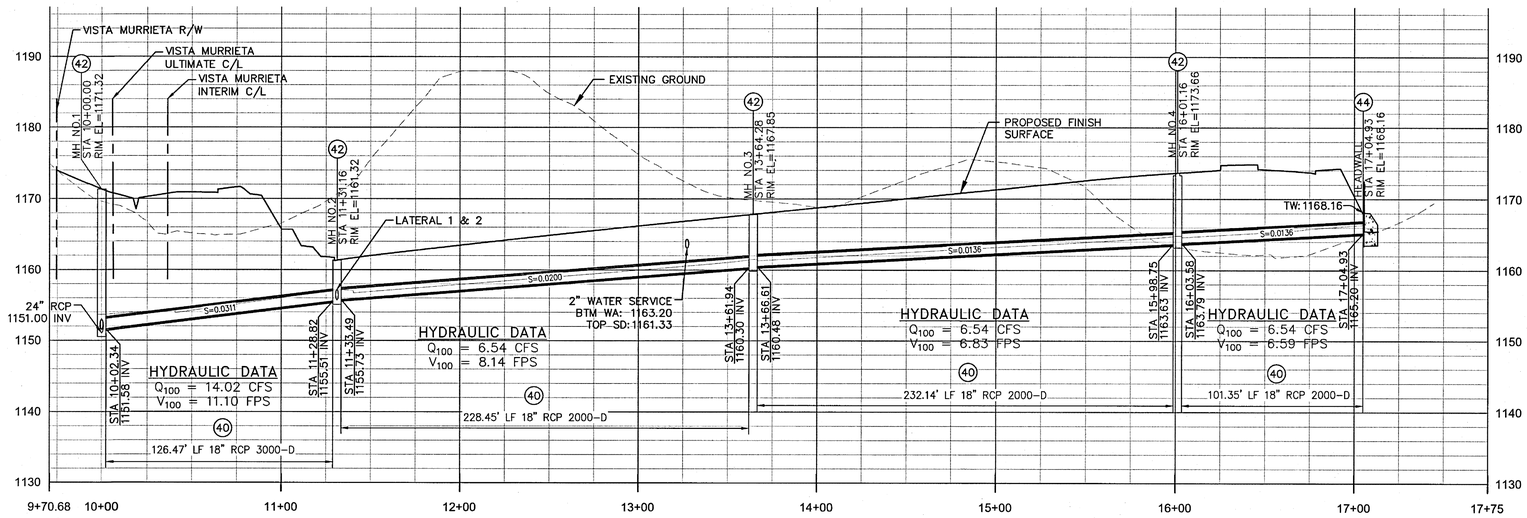
STAKING DETAILS

APPROVED
ROBERT K. MOEHLING
DIRECTOR OF PUBLIC WORKS / CITY ENGINEER RCE 63056 DATE 12/19/24

DWN BY: CR
CHKD BY: TM
FIELD BK:

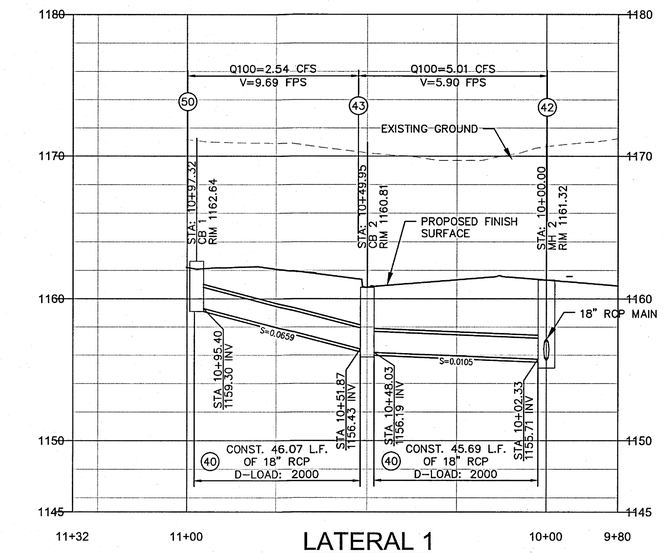
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DRAWING NO. 24-594

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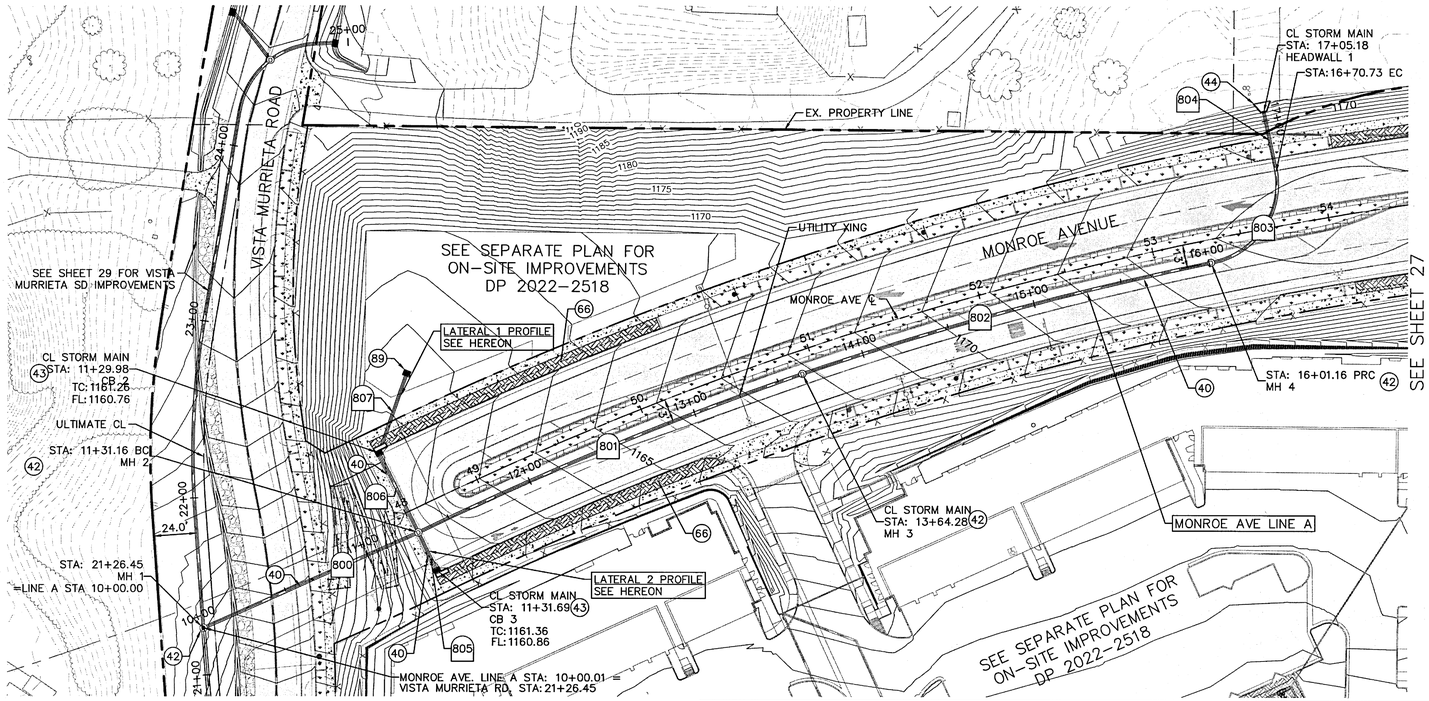
STORM DRAIN LINE A PROFILE

1" = 40' HORIZONTAL
1" = 10' VERTICAL



LATERAL 1

1" = 20' HORIZONTAL
1" = 5' VERTICAL



STORM DRAIN LINE / CURVE DATA TABLE

(XX)	LENGTH	RADIUS	BEARING	SIZE	MATERIAL
800	127.20	0.00	N66° 19' 46"W	18"	RCP
801	229.16	1887.00	N64° 41' 49"W	18"	RCP
802	232.91	1887.00	N57° 33' 41"W	18"	RCP
803	69.63	45.00	N81° 46' 54"E	18"	RCP
804	32.16	0.00	N36° 11' 56"E	18"	RCP
805	20.99	0.00	N21° 45' 35"E	18"	RCP
806	46.96	0.00	S21° 42' 00"W	18"	RCP
807	44.89	0.00	S66° 57' 58"W	18"	RCP

CONSTRUCTION NOTES

(40) INSTALL 18" RCP STORM PIPE. TRENCHING AND EMBEDMENT PER CITY OF MURRIETA STD. 212A

(42) INSTALL MANHOLE NO. 1 PER RIVERSIDE COUNTY FLOOD CONTROL STD. NO. MH251. RIM AND PIPE INVERTS PER PLAN

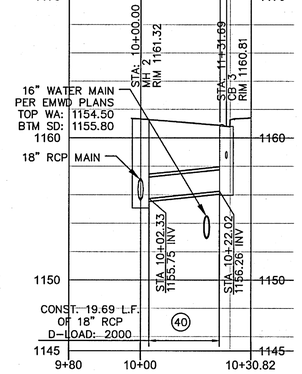
(43) INSTALL COMBINATION INLET CATCH BASIN NO. 1 PER CITY OF MURRIETA STD. NO. 403A. W: 7', L: 4.5' UNLESS OTHERWISE SHOWN IN PROFILE

(44) CONSTRUCT PIPE HEADWALL AND WINGWALL PER CALTRANS STD. NO. D86B

(50) INSTALL 3' X 3' CATCH BASIN PER RIVERSIDE COUNTY FLOOD CONTROL STD. NO. CB110. PROVIDE IRON FRAME AND GRATE. H=18"

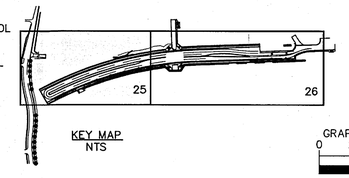
(66) CONSTRUCT BIOFILTRATION SWALE WITH PERFORATED PIPE PER DETAIL 3 ON SHEET 3.

(89) INSTALL 24" X 24" JENSEN PRE-CAST CATCH BASIN WITH TRAFFIC RATED FRAME AND IRON GRATE OR APPROVED EQUAL. RIM AND INVERT PER PLAN.



LATERAL 2

1" = 20' HORIZONTAL
1" = 5' VERTICAL



KEY MAP
NTS

GRAPHIC SCALE IN FEET
0 20 40 80

WDID #: 9 33C401926

"AS BUILT"

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ENGINEER OF WORK — DATE

RCE NO. — EXPIRATION DATE

SEAL: REGISTERED PROFESSIONAL ENGINEER TAMMIE C. MORENO No. 74417 CIVIL STATE OF CALIFORNIA

Kimley»Horn
401 B STREET, SUITE 600, SAN DIEGO, CA 92101
PHONE: 619-234-9411
WWW.KIMLEY-HORN.COM

PREPARED BY — DATE 11/19/2024

TAMMIE MORENO
RCE NO. 74417 — EXP. DATE 09/30/25

Underground Service Alert — Call TOLL FREE 1-800 422-4133 — TWO WORKING DAYS BEFORE YOU DIG

BENCH MARK
DESCRIPTON: RIVERSIDE COUNTY BENCHMARK 600-11-68
LOCATION: 4 FEET SOUTH OF THE SOUTH-EAST CORNER OF 7 FT CHAIN LINK FENCE OF S.C.E. MURRIETA SUBSTATION #2
RECORDED: 07-26-1982
ELEVATION: 1050.946 DATUM: NGVD1929

APPROVED FOR SIGNATURE
TODD L. PITNER
MICHAEL BAKER INTERNATIONAL
RCE NO. 58606
11-26-24 DATE

SCALE
HORIZONTAL
AS NOTED
VERTICAL
AS NOTED

DATE	INITIAL	REVISION DESCRIPTION	SHT. NO.	DATE	INITIAL
ENGINEER OF WORK				CITY APPROVAL	

SHEET	CITY OF MURRIETA ENGINEERING DEPARTMENT	SHEETS
26		37

STREET IMPROVEMENT PLAN
TENTATIVE PARCEL MAP 38373
MONROE AVE LINE A STORM DRAIN IMPROVEMENT PLAN

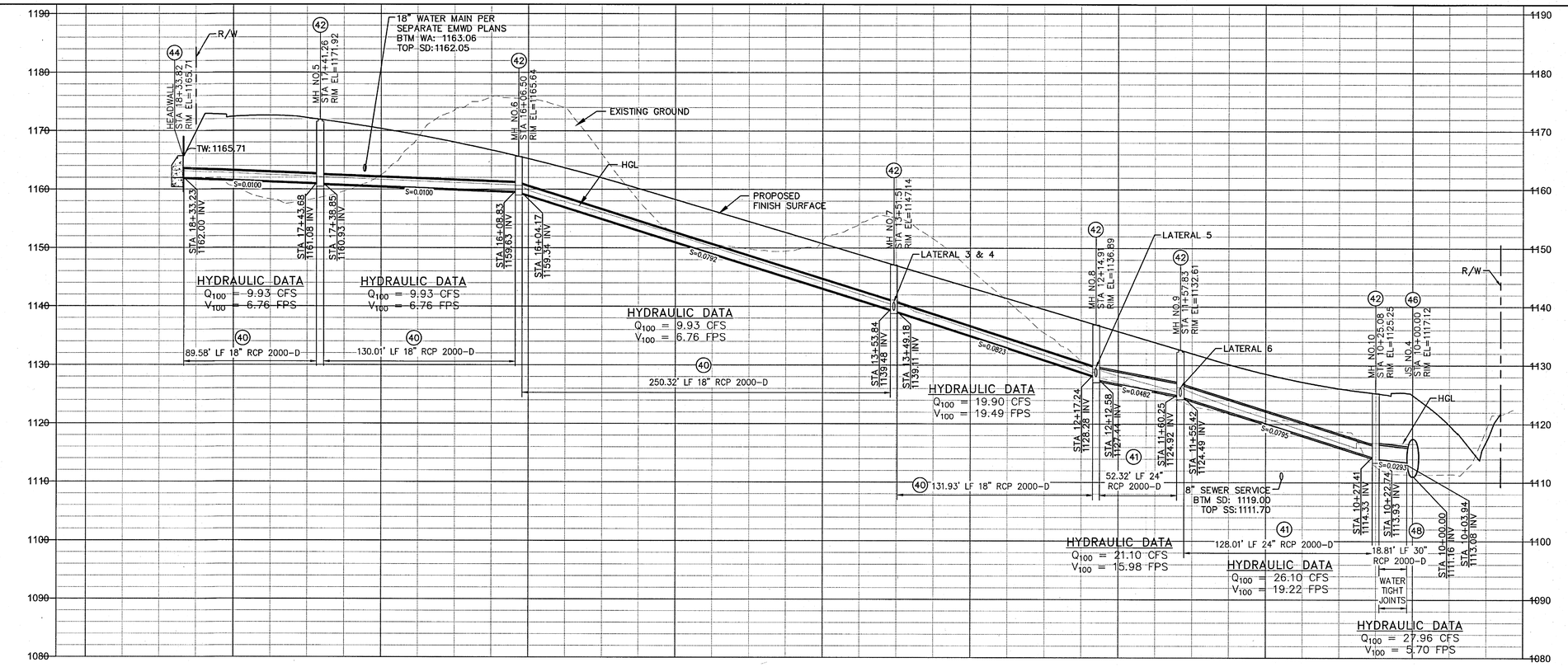
APPROVED
ROBERT K. MOEHLING — DATE 12/19/24
DIRECTOR OF PUBLIC WORKS / CITY ENGINEER — RCE 63056

DWN BY: CR
CHKD BY: TM
FIELD BK:

PROJECT NO. ENC-PC-IMP-2023-00010

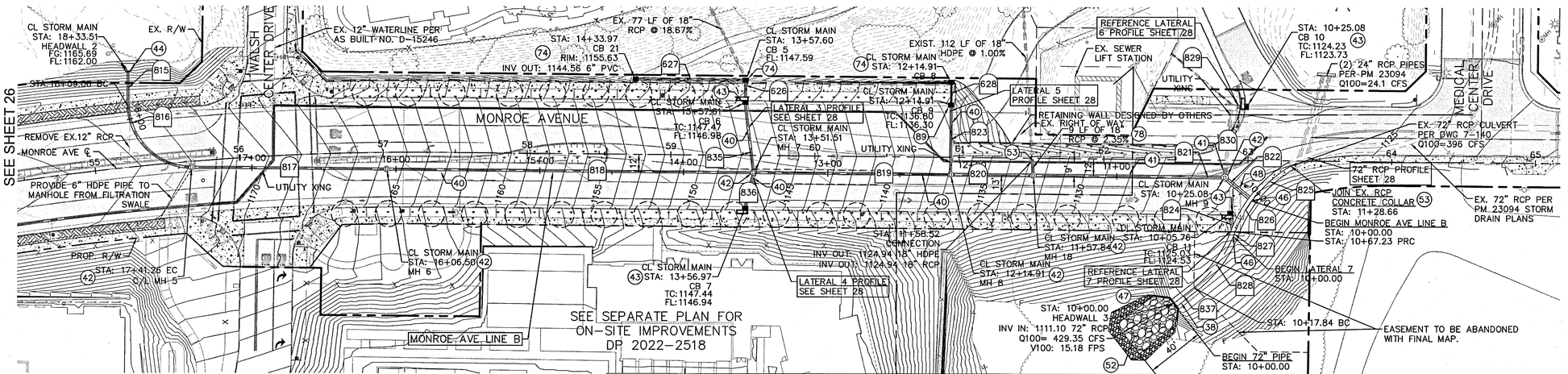
DRAWING NO. 24-595

Plotted By:Rionosz, Cody Sheet Set:Xha Layout:ESD1 November 19, 2024 01:39:24pm K:\SND_LDEV\105120004 - the terraces murrieta\Design\sheets\ - street improvements\120004-SD01.dwg
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STORM DRAIN LINE B PROFILE

1" = 40' HORIZONTAL
1" = 10' VERTICAL



CONSTRUCTION NOTES

(38) INSTALL 72" RCP STORM PIPE. TRENCHING AND EMBEDMENT PER RCFC DISTRICT STD. M815

(40) INSTALL 18" RCP STORM PIPE. TRENCHING AND EMBEDMENT PER CITY OF MURRIETA STD. 212A

(41) INSTALL 24" RCP STORM PIPE. TRENCHING AND EMBEDMENT PER CITY OF MURRIETA STD. 212A

(42) INSTALL MANHOLE NO. 1 PER RIVERSIDE COUNTY FLOOD CONTROL STD. NO. MH251. RIM AND PIPE INVERTS PER PLAN

(43) INSTALL COMBINATION INLET CATCH BASIN NO. 1 PER CITY OF MURRIETA STD. NO. 403A. W: 7', L: 4.5' UNLESS OTHERWISE SHOWN IN PROFILE

(44) CONSTRUCT PIPE HEADWALL AND WINGWALL PER CALTRANS STD. NO. D86B

(46) JUNCTION STRUCTURE NO. 4 PER RCFC STD. DWG. JS 227. PIPE INVERTS PER PLAN

(47) WINGWALLS TYPE A PER CALTRANS STD. NO. D90, TYPE A. DESIGN H=13', LENGTH OF WIGNWALLS 12'

(48) INSTALL 30" RCP STORM PIPE. TRENCHING AND EMBEDMENT PER CITY OF MURRIETA STD. 212A

(52) PROVIDE 40' LENGTH OF 2 TON RIP RAP AT 5.5 FT THICKNESS WITH FILTER FABRIC PER CITY OF MURRIETA STD. 446A TYPE 2. EXISTING 1/2 TON RIP RAP ONSITE TO BE COLLECTED AND DISPERSED ALONG EDGES OF RIP RAP PAD.

(53) CONSTRUCT CONCRETE COLLAR AT PIPE DEFLECTION PER RCFC STD. MB03

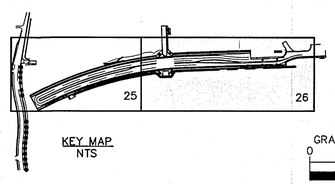
(74) CONSTRUCT MODIFIED CATCH BASIN PER DETAIL 7 ON SHEET 3. STORMWATER TO FLOW INTO STORM PIPE UNDER SIDEWALK

(78) INSTALL 18" HDPE STORM PIPE. TRENCHING AND EMBEDMENT PER CITY OF MURRIETA STD. 212A

(89) INSTALL 24" X 24" JENSEN PRE-CAST CATCH BASIN WITH TRAFFIC RATED FRAME AND IRON GRATE OR APPROVED EQUAL. RIM AND INVERT PER PLAN.

STORM DRAIN LINE / CURVE DATA TABLE

XX	LENGTH	RADIUS	BEARING	SIZE	MATERIAL
626	12.82	0.00	S48° 24' 27"W	18"	RCP
627	72.88	0.00	S41° 32' 06"E	6"	PVC
628	14.08	0.00	S48° 22' 46"W	18"	RCP
815	21.69	0.00	S47° 54' 18"W	18"	RCP
816	68.32	45.00	S3° 08' 36"W	18"	RCP
817	130.78	0.00	S41° 37' 17"E	18"	RCP
818	251.14	0.00	S41° 37' 17"E	18"	RCP
819	132.76	0.00	S41° 37' 17"E	18"	RCP
820	53.19	0.00	S41° 37' 17"E	24"	RCP
821	128.96	0.00	S41° 37' 17"E	24"	RCP
822	23.13	0.00	S1° 23' 39"E	30"	RCP
823	45.46	0.00	S48° 22' 40"W	18"	RCP
824	15.61	0.00	S40° 39' 07"W	18"	RCP
825	36.73	90.00	N84° 17' 47"W	72"	RCP
826	24.69	90.00	S76° 09' 32"W	72"	RCP
827	3.46	90.00	S69° 23' 48"W	72"	RCP
828	45.91	90.00	S85° 06' 40"W	72"	RCP
829	8.78	0.00	N36° 32' 18"W	18"	RCP
830	47.68	0.00	N52° 45' 58"E	24"	RCP
835	46.08	0.00	S41° 14' 41"W	18"	RCP
836	22.25	0.00	N60° 58' 55"E	18"	RCP
837	17.86	0.00	N80° 16' 31"W	72"	RCP



KEY MAP
NTS

GRAPHIC SCALE IN FEET
0 20 40 80

WDID #: 9 33C401926

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SCALE
HORIZONTAL
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AS NOTED

Kimley»Horn
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WWW.KIMLEY-HORN.COM

PREPARED BY — DATE 11/25/2024

TAMMIE MORENO
RCE NO. 74417 — EXP. DATE 09/30/25

DATE	INITIAL	REVISION DESCRIPTION
		ENGINEER OF WORK

SHT. NO.	DATE	INITIAL
		CITY APPROVAL

Underground Service Alert
DIG ALERT
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422-4133
TWO WORKING DAYS BEFORE YOU DIG

BENCH MARK
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APPROVED FOR SIGNATURE
TODD C. PITNER
MICHAEL BAKER INTERNATIONAL
RCE NO. 58606
11-26-24 DATE

SHEET 27 — CITY OF MURRIETA ENGINEERING DEPARTMENT — SHEETS 37

STREET IMPROVEMENT PLAN
TENTATIVE PARCEL MAP 38373
MONROE AVE LINE B STORM DRAIN IMPROVEMENT PLAN

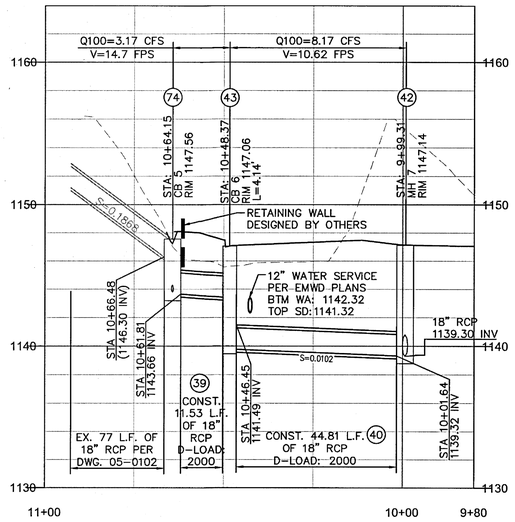
APPROVED
ROBERT K. MOEHLING — DATE 12/19/24
DIRECTOR OF PUBLIC WORKS / CITY ENGINEER — RCE 63056

DWN BY: CR
CHKD BY: TM
FIELD BK:

PROJECT NO. ENC-PC-IMP-2023-00010

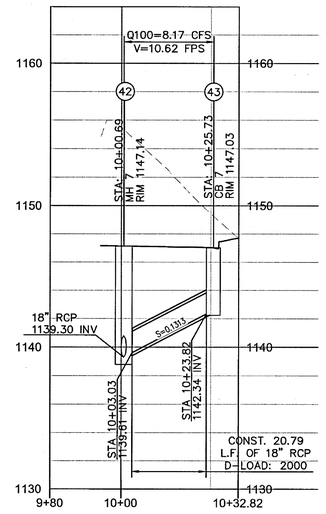
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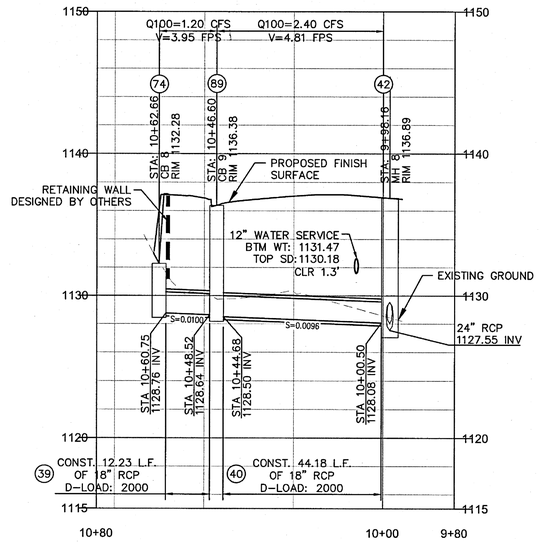
LATERAL 3

1" = 20' HORIZONTAL
1" = 5' VERTICAL



LATERAL 4

1" = 20' HORIZONTAL
1" = 5' VERTICAL



LATERAL 5

1" = 20' HORIZONTAL
1" = 5' VERTICAL

CONSTRUCTION NOTES

38 INSTALL 72" RCP STORM PIPE. TRENCHING AND EMBEDMENT PER RCFC DISTRICT STD. M815

39 INSTALL 12" RCP STORM PIPE. TRENCHING AND EMBEDMENT PER CITY OF MURRIETA STD. 212A

40 INSTALL 18" RCP STORM PIPE. TRENCHING AND EMBEDMENT PER CITY OF MURRIETA STD. 212A

41 INSTALL 24" RCP STORM PIPE. TRENCHING AND EMBEDMENT PER CITY OF MURRIETA STD. 212A

42 INSTALL MANHOLE NO. 1 PER RIVERSIDE COUNTY FLOOD CONTROL STD. NO. MH251. RIM AND PIPE INVERTS PER PLAN

43 INSTALL COMBINATION INLET CATCH BASIN NO. 1 PER CITY OF MURRIETA STD. NO. 403A. W: 7', L:4.5' UNLESS OTHERWISE SHOWN IN PROFILE

46 JUNCTION STRUCTURE NO. 4 PER RCFC STD. DWG. JS 227. PIPE INVERTS PER PLAN

47 WINGWALLS TYPE A PER CALTRANS STD. NO. D90, TYPE A. DESIGN H=13', LENGTH OF WIGNWALLS 12'

50 INSTALL 3' X 3' CATCH BASIN PER RIVERSIDE COUNTY FLOOD CONTROL STD. NO. CB110. PROVIDE IRON FRAME AND GRATE. H=18"

52 PROVIDE 40' LENGTH OF 2 TON RIP RAP AT 5.5 FT THICKNESS WITH FILTER FABRIC PER CITY OF MURRIETA STD. 446A TYPE 2. EXISTING 1/2 TON RIP RAP ONSITE TO BE COLLECTED AND DISPERSED ALONG EDGES OF RIP RAP PAD.

53 CONSTRUCT CONCRETE COLLAR AT PIPE DEFLECTION PER RCFC STD. MB03

74 CONSTRUCT MODIFIED CATCH BASIN PER DETAIL 7 ON SHEET 3. STORMWATER TO FLOW INTO STORM PIPE UNDER SIDEWALK

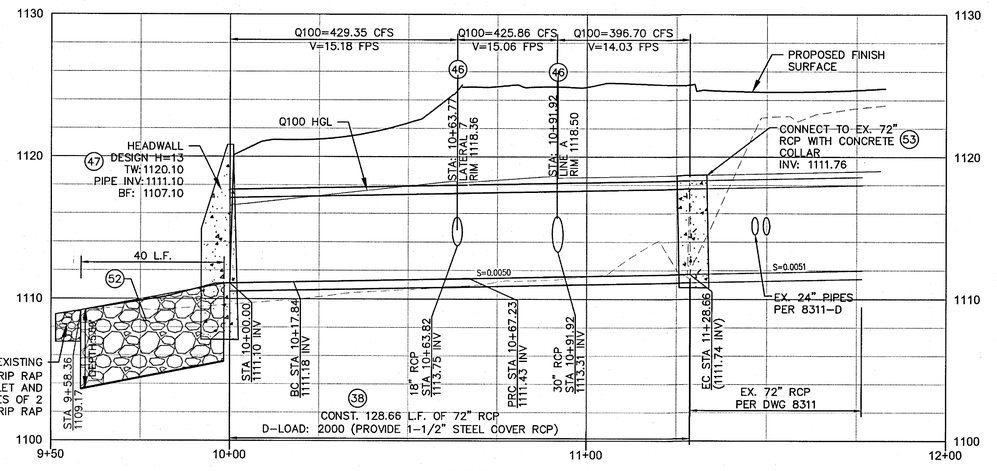
89 INSTALL 24" X 24" JENSEN PRE-CAST CATCH BASIN WITH TRAFFIC RATED FRAME AND IRON GRATE OR APPROVED EQUAL. RIM AND INVERT PER PLAN.

LATERAL 6

1" = 20' HORIZONTAL
1" = 5' VERTICAL

LATERAL 7

1" = 20' HORIZONTAL
1" = 5' VERTICAL



72" RCP

1" = 20' HORIZONTAL
1" = 5' VERTICAL

"AS BUILT"

THE RECEIPT OF AS-BUILT PLANS AND CITY'S ACCEPTANCE THEREOF DOES NOT ABSOLVE THE ENGINEER OF WORK OF ANY RESPONSIBILITY FOR THE PROJECT DESIGN.

ENGINEER OF WORK _____ DATE _____

RCE NO. _____ EXPIRATION DATE _____

SEAL: REGISTERED PROFESSIONAL ENGINEER TAMMIE C. MORENO No. 74417 CIVIL STATE OF CALIFORNIA

SCALE
HORIZONTAL
AS NOTED
VERTICAL
AS NOTED

Kimley»Horn
401 B STREET, SUITE 600,
SAN DIEGO, CA 92101
PHONE: 619-234-9411
WWW.KIMLEY-HORN.COM

PREPARED BY _____ DATE 11/25/2024

TAMMIE MORENO
RCE NO. 74417 EXP. DATE 09/30/25

DATE	INITIAL	REVISION DESCRIPTION	SHT. NO.	DATE	INITIAL

ENGINEER OF WORK — CITY APPROVAL

Underground Service Alert
CALL BEFORE YOU DIG
Call TOLL FREE
1-800
422-4133
TWO WORKING DAYS BEFORE YOU DIG

BENCH MARK
DESCRIPTON: RIVERSIDE COUNTY BENCHMARK 600-11-68
LOCATION: 4 FEET SOUTH OF THE SOUTH-EAST CORNER OF 7 FT CHAIN LINK FENCE OF S.C.E. MURRIETA SUBSTATION #2
RECORDED: 07-26-1982
ELEVATION: 1050.946 DATUM: NGVD1929

APPROVED FOR SIGNATURE
Todd Pitner 11-26-24
TODD L. PITNER DATE
MICHAEL BAKER INTERNATIONAL
RCE NO. 58606

WDID #: 9 33C401926

SHEET	CITY OF MURRIETA	SHEETS
28	ENGINEERING DEPARTMENT	37

STREET IMPROVEMENT PLAN
TENTATIVE PARCEL MAP 38373

MONROE AVE STORM DRAIN PROFILES

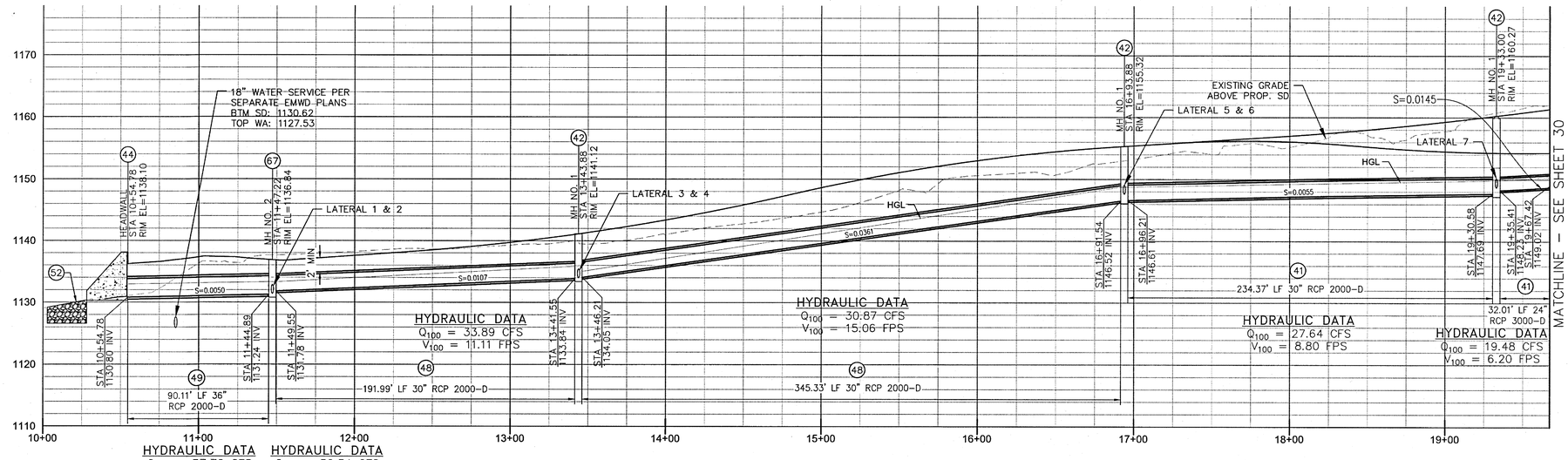
APPROVED
ROBERT K. MOEHLING DATE 12/19/24
DIRECTOR OF PUBLIC WORKS / CITY ENGINEER RCE 63056

DWN BY: CR
CHKD BY: TM
FIELD BK: _____

PROJECT NO. ENC-PC-IMP-2023-00010

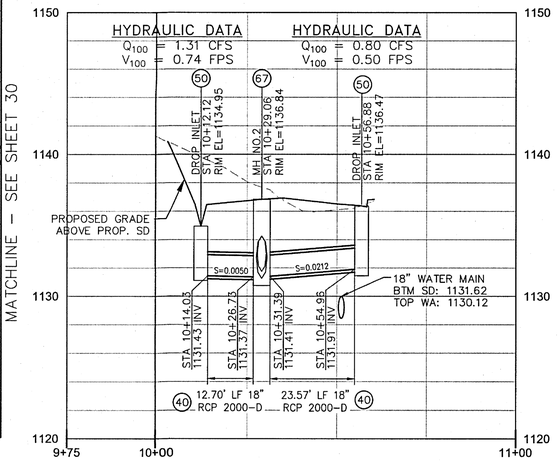
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Plotted By: Rokosz, Cody Sheet Set: Xha Layout: SD03 November 26, 2024 - 11:55:51am K:\SND_LDEV\195120004 - The Terraces Murrieta\Design\PlanSheets - Street Improvements\120004-SD01.dwg
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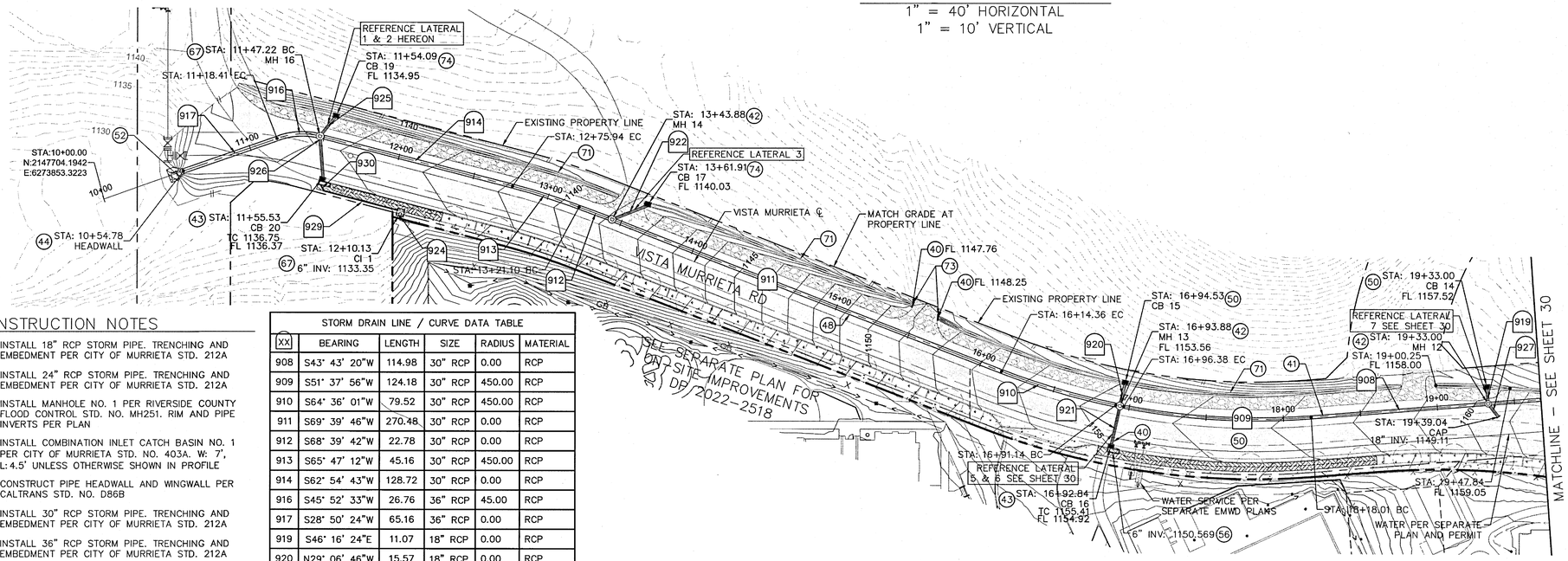
STORM DRAIN PROFILE

1" = 40' HORIZONTAL
1" = 10' VERTICAL



LATERAL 1 & 2 PROFILE

HORIZ: 1"=20'
VERT: 1"=5'



VISTA MURRIETA ROAD

LATERAL 3 PROFILE

HORIZ: 1"=20'
VERT: 1"=5'

CONSTRUCTION NOTES

(40) INSTALL 18" RCP STORM PIPE. TRENCHING AND EMBEDMENT PER CITY OF MURRIETA STD. 212A

(41) INSTALL 24" RCP STORM PIPE. TRENCHING AND EMBEDMENT PER CITY OF MURRIETA STD. 212A

(42) INSTALL MANHOLE NO. 1 PER RIVERSIDE COUNTY FLOOD CONTROL STD. NO. MH251. RIM AND PIPE INVERTS PER PLAN

(43) INSTALL COMBINATION INLET CATCH BASIN NO. 1 PER CITY OF MURRIETA STD. NO. 403A. W: 7', L: 4.5' UNLESS OTHERWISE SHOWN IN PROFILE

(44) CONSTRUCT PIPE HEADWALL AND WINGWALL PER CALTRANS STD. NO. D86B

(48) INSTALL 30" RCP STORM PIPE. TRENCHING AND EMBEDMENT PER CITY OF MURRIETA STD. 212A

(49) INSTALL 36" RCP STORM PIPE. TRENCHING AND EMBEDMENT PER CITY OF MURRIETA STD. 212A

(50) INSTALL 3' X 3' CATCH BASIN PER RIVERSIDE COUNTY FLOOD CONTROL STD. NO. CB110. PROVIDE IRON FRAME AND GRATE. H=18"

(52) PROVIDE 40' LENGTH OF 2 TON RIP RAP AT 5.5 FT THICKNESS WITH FILTER FABRIC PER CITY OF MURRIETA STD. 446A TYPE 2. EXISTING 1/2 TON RIP RAP ONSITE TO BE COLLECTED AND DISPERSED ALONG EDGES OF RIP RAP PAD.

(56) CHECK DAMS PER CITY OF TEMECULA STD. 953.

(67) INSTALL MANHOLE NO. 2 PER RIVERSIDE COUNTY FLOOD CONTROL STD. NO. MH252. RIM AND PIPE INVERTS PER PLAN.

(71) CONSTRUCT CONCRETE INTERCEPTOR DRAIN PER CITY OF MURRIETA STD. NO. 432.

(73) CONSTRUCT 18" RCP CULVERT WALL PER DETAIL 6 ON SHEET 3.

(74) CONSTRUCT MODIFIED CATCH BASIN PER DETAIL 7 ON SHEET 3. STORMWATER TO FLOW INTO STORM PIPE UNDER SIDEWALK

STORM DRAIN LINE / CURVE DATA TABLE					
XX	BEARING	LENGTH	SIZE	RADIUS	MATERIAL
908	S43° 43' 20"W	114.98	30" RCP	0.00	RCP
909	S51° 37' 56"W	124.18	30" RCP	450.00	RCP
910	S64° 36' 01"W	79.52	30" RCP	450.00	RCP
911	S69° 39' 46"W	270.48	30" RCP	0.00	RCP
912	S68° 39' 42"W	22.78	30" RCP	0.00	RCP
913	S65° 47' 12"W	45.16	30" RCP	450.00	RCP
914	S62° 54' 43"W	128.72	30" RCP	0.00	RCP
916	S45° 52' 33"W	26.76	36" RCP	45.00	RCP
917	S28° 50' 24"W	65.16	36" RCP	0.00	RCP
919	S46° 16' 24"E	11.07	18" RCP	0.00	RCP
920	N29° 06' 46"W	15.57	18" RCP	0.00	RCP
921	N29° 18' 58"W	26.87	18" RCP	0.00	RCP
922	N25° 07' 16"E	25.30	18" RCP	0.00	RCP
924	N35° 38' 44"W	4.54	8" HDPE	0.00	HDPE
925	N3° 54' 51"W	16.95	18" RCP	0.00	RCP
926	N45° 11' 47"W	27.82	18" RCP	0.00	RCP
927	N79° 53' 25"W	10.92	18" RCP	0.00	RCP
929	S64° 06' 10"W	51.55	8" HDPE	0.00	HDPE
930	N68° 07' 53"W	4.03	8" HDPE	0.00	HDPE

"AS BUILT"

THE RECEIPT OF AS-BUILT PLANS AND CITY'S ACCEPTANCE THEREOF DOES NOT ABSOLVE THE ENGINEER OF WORK OF ANY RESPONSIBILITY FOR THE PROJECT DESIGN.

ENGINEER OF WORK _____ DATE _____

RCE NO. _____ EXPIRATION DATE _____

SEAL: REGISTERED PROFESSIONAL ENGINEER TAMMIE D. MORENO No. 74417 CIVIL STATE OF CALIFORNIA

Kimley»Horn
401 B STREET, SUITE 600,
SAN DIEGO, CA 92101
PHONE: 619-234-9411
WWW.KIMLEY-HORN.COM

PREPARED BY _____ DATE 12/13/2024

TAMMIE MORENO
RCE NO. 74417 EXP. DATE 09/30/25

Underground Service Alert
DIAL BEFORE YOU DIG
Call: TOLL FREE
1-800
422-4133
TWO WORKING DAYS BEFORE YOU DIG

BENCH MARK
DESCRIPTION: RIVERSIDE COUNTY BENCHMARK 600-11-68
LOCATION: 4 FEET SOUTH OF THE SOUTH-EAST CORNER OF 7 FT CHAIN LINK FENCE OF S.C.E. MURRIETA SUBSTATION #2
RECORDED: 07-26-1982
ELEVATION: 1050.946 DATUM: NGVD1929

APPROVED FOR SIGNATURE
TODD L. PITNER
MICHAEL BAKER INTERNATIONAL
RCE NO. 58606
12-17-24 DATE

HORIZONTAL: AS NOTED
VERTICAL: AS NOTED

SHT. NO.	REVISION DESCRIPTION	DATE	INITIAL

ENGINEER OF WORK

DATE	INITIAL

CITY APPROVAL

NORTH

GRAPHIC SCALE IN FEET
0 20 40 80

WDID #: 9 33C401926

SHEET 29 | CITY OF MURRIETA ENGINEERING DEPARTMENT | SHEETS 37

STREET IMPROVEMENT PLAN
TENTATIVE PARCEL MAP 38373
VISTA MURRIETA RD STORM DRAIN
IMPROVEMENT PLAN

APPROVED
ROBERT K. MOEHLING DATE 12/19/24
DIRECTOR OF PUBLIC WORKS / CITY ENGINEER RCE 63059

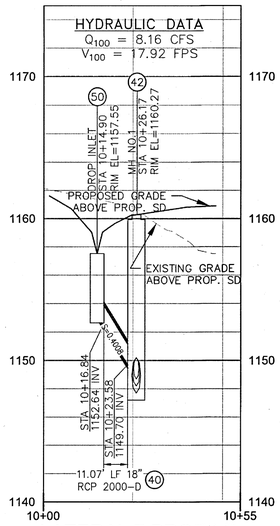
DWN BY: CR
CHKD BY: TM
FIELD BK: _____

PROJECT NO. ENC-PC-IMP-2023-00010

DRAWING NO. 24-598

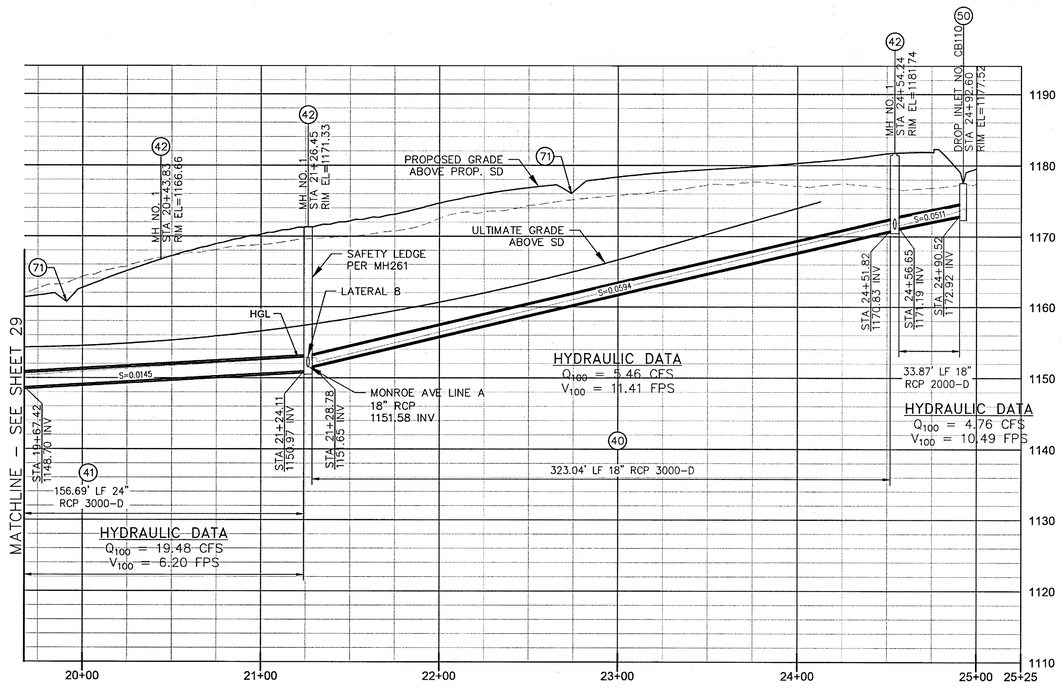
MATCHLINE - SEE SHEET 30

Plotted By:Rokosz, Cody Sheet Set:Kha Layout:SD01 December 13, 2024 12:53:47pm K:\SND_LDEV\195120004 - The Terraces Murrieta\Design\PlanSheets - Street Improvements\120004-SD02.dwg
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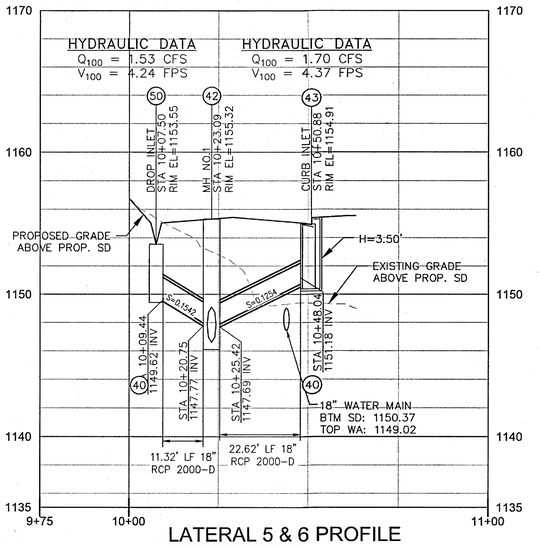
LATERAL 7 PROFILE

HORIZ: 1"=20'
VERT: 1"=5'



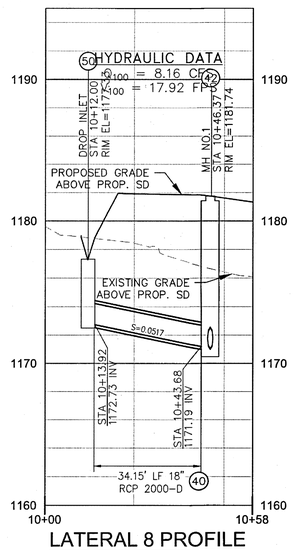
STORM DRAIN PROFILE

1" = 40' HORIZONTAL
1" = 10' VERTICAL



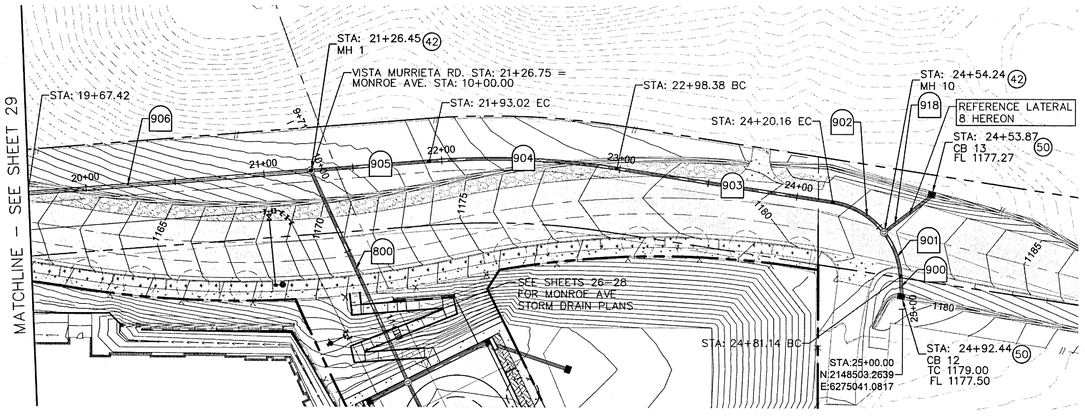
LATERAL 5 & 6 PROFILE

HORIZ: 1"=20'
VERT: 1"=5'



LATERAL 8 PROFILE

HORIZ: 1"=20'
VERT: 1"=5'



VISTA MURRIETA ROAD

CONSTRUCTION NOTES

(40) INSTALL 18" RCP STORM PIPE. TRENCHING AND EMBEDMENT PER CITY OF MURRIETA STD. 212A

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(73) CONSTRUCT 18" RCP CULVERT WALL PER DETAIL 6 ON SHEET 3.

(74) CONSTRUCT MODIFIED CATCH BASIN PER DETAIL 7 ON SHEET 3. STORMWATER TO FLOW INTO STORM PIPE UNDER SIDEWALK

STORM DRAIN LINE / CURVE DATA TABLE					
(XX)	BEARING	LENGTH	SIZE	RADIUS	MATERIAL
900	N43° 14' 49"W	11.30	18" RCP	0.00	RCP
901	N62° 20' 26"W	26.91	18" RCP	45.00	RCP
902	S78° 50' 08"W	34.08	18" RCP	45.00	RCP
903	S57° 08' 31"W	121.78	18" RCP	0.00	RCP
904	S50° 26' 04"W	105.36	18" RCP	450.00	RCP
905	S43° 43' 36"W	66.58	18" RCP	0.00	RCP
906	S43° 37' 28"W	193.45	24" RCP	0.00	RCP
918	N9° 27' 04"E	34.10	18" RCP	0.00	RCP

"AS BUILT"
THE RECEIPT OF AS-BUILT PLANS AND CITY'S ACCEPTANCE THEREOF DOES NOT ABSOLVE THE ENGINEER OF WORK OF ANY RESPONSIBILITY FOR THE PROJECT DESIGN.

ENGINEER OF WORK _____ DATE _____

RCE NO. _____ EXPIRATION DATE _____

SEAL: REGISTERED PROFESSIONAL ENGINEER TAMMIE C. MORENO No. 74417 CIVIL STATE OF CALIFORNIA

SCALE
HORIZONTAL
AS NOTED
VERTICAL
AS NOTED

Kimley»Horn
401 B STREET, SUITE 600,
SAN DIEGO, CA 92101
PHONE: 619-234-9411
WWW.KIMLEY-HORN.COM

PREPARED BY _____ DATE 12/13/2024
TAMMIE MORENO
RCE NO. 74417 EXP. DATE 09/30/25

Underground Service Alert
Call TOLL FREE
1-800
422-4133
TWO WORKING DAYS BEFORE YOU DIG

BENCH MARK
DESCRIPTION: RIVERSIDE COUNTY BENCHMARK 600-11-68
LOCATION: 4 FEET SOUTH OF THE SOUTH-EAST CORNER OF 7 FT CHAIN LINK FENCE OF S.C.E. MURRIETA SUBSTATION #2
RECORDED: 07-26-1982
ELEVATION: 1050.946 DATUM: NGVD1929

APPROVED FOR SIGNATURE
Todd L. Pitner
MICHAEL BAKER INTERNATIONAL
RCE NO. 58606
12-17-24
DATE

DATE	INITIAL	REVISION DESCRIPTION	SHT. NO.	DATE	INITIAL
ENGINEER OF WORK				CITY APPROVAL	

NORTH
GRAPHIC SCALE IN FEET
0 20 40 80
WDID #: 9 33C401926

SHEET	CITY OF MURRIETA ENGINEERING DEPARTMENT	SHEETS
30		37

STREET IMPROVEMENT PLAN
TENTATIVE PARCEL MAP 38373
VISTA MURRIETA RD STORM DRAIN
IMPROVEMENT PLAN

APPROVED
ROBERT K. MOEHLING DATE 12/19/24
DIRECTOR OF PUBLIC WORKS / CITY ENGINEER RCE 63056

DWN BY: CR
CHKD BY: TM
FIELD BK: _____

PROJECT NO. ENC-PC-IMP-2023-00010

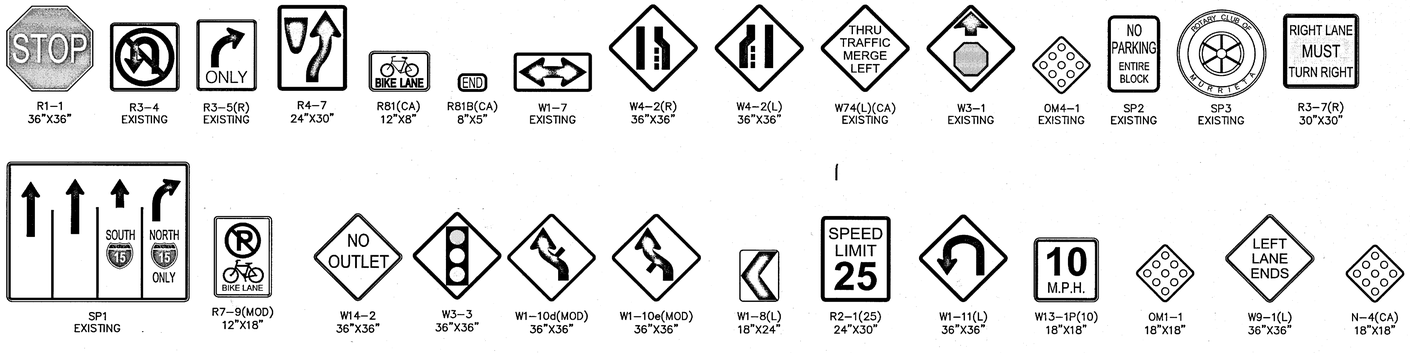
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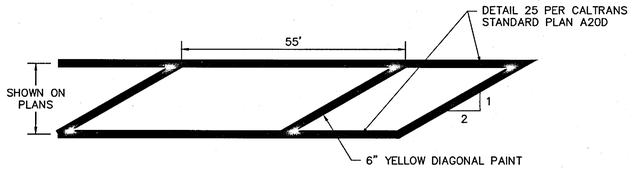
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SIGNING AND STRIPING GENERAL NOTES

1. THE CONTRACTOR IS REQUIRED TO TAKE ALL DUE PRECAUTIONARY MEASURES FOR THE PROTECTION OF ALL EXISTING IMPROVEMENTS AND UTILITIES, WHETHER OR NOT SHOWN ON THESE PLANS. ANY RESULTING DAMAGE DURING THE PERFORMANCE OF THE WORK SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE GOVERNING AGENCY AT THE CONTRACTOR'S EXPENSE.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CLEARING OF THE PROPOSED WORK AREA, AND RELOCATION COST OF ALL EXISTING UITILITIES. PERMITTEE MUST INFORM THE CITY OF CONSTRUCTION SCHEDULE AT LEAST 48 HOURS PRIOR TO BEGINNING OF CONSTRUCTION. PHONE: (951) 461-6028.
3. TRAFFIC STRIPES, PAVEMENT MARKINGS AND RAISED PAVEMENT MARKERS PER 2014 CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), CALTRANS STANDARD PLANS AND SPECIFICATIONS, LATEST EDITION, CITY OF MURRIETA PUBLIC WORKS DEPARTMENT IMPROVEMENT STANDARDS AND THE LATEST EDITION OF STANDARD SPECIFICATION FOR PUBLIC WORKS CONSTRUCTION (GREEN BOOK).
4. ALL STRIPES AND PAVEMENT MARKINGS SHALL BE REFLECTORIZED. ALL SIGNS SHALL BE HIGH INTENSITY PRISMATIC REFLECTORIZED. STENCILS FOR PAVEMENT MARKINGS SHALL MATCH STANDARD STENCILS EXACTLY. ALL STRIPING AND MARKING DETAILS SHALL MATCH CALTRANS STANDARD PLANS DETAILS.
5. ALL CONFLICTING STRIPES AND PAVEMENT MARKINGS SHALL BE REMOVED BY SANDBLASTING. CONFLICTING SIGNS AND RAISED PAVEMENT MARKERS SHALL BE REMOVED. ALL REMOVALS OF SIGNS AND MARKING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
6. PAINTED TRAFFIC STRIPES AND PAINTED PAVEMENT MARKINGS (IF ALLOWED) SHALL BE APPLIED IN TWO COATS. PAVEMENT MARKINGS SHALL BE APPLIED IN THERMOPLASTIC FORMAT UNLESS APPROVED OTHERWISE. REPAINT 300' IN EACH DIRECTION OF THE INTERSECTION. CAT TRACK APPROVAL PRIOR TO STRIPING.
7. ALL REMOVED SIGNS SHALL BE SALVAGED AND DELIVERED TO THE CITY YARD AS DIRECTED BY THE CITY INSPECTOR.
8. RAISED PAVEMENT MARKERS SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR IN ACCORDANCE WITH THE STRIPING DETAILS SHOWN ON THE SIGNING AND STRIPING PLAN. INSTALLATION SHALL BE COMPLETE WITHIN SEVEN WORKING DAYS OF ROADWAY STRIPING. RAISED PAVEMENT MARKERS ARE TO BE INSTALLED ON ROADWAYS WITH ARTERIAL CLASSIFICATIONS OR HIGHER, OR AS DETERMINED BY THE CITY ENGINEER.
9. STREET NAME SIGNS SHALL CONFORM TO CITY STANDARD NO. 601 AND 601A.
10. BLUE RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED TO MARK FIRE HYDRANT AND/OR WATER SUPPLY LOCATIONS AT THE DIRECTION OF THE CITY INSPECTOR FOLLOWING FINAL SEALANT AND STRIPING.
11. WORK MAY NOT START UNTIL PERMITS HAVE BEEN OBTAINED.
12. THE CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS WITH UNDERGROUND SERVICE ALERT AT (800) 227-2600 AT LEAST TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION.
13. EQUIPMENT AND MATERIALS SHALL BE STORED IN A NEAT AND PROTECTED MANNER. STORAGE LOCATION WILL BE APPROVED BY CITY INSPECTOR.
14. THE CONTRACTOR WILL CONDUCT HIS OPERATIONS AS TO OFFER THE LEAST POSSIBLE OBSTRUCTION AND INCONVENIENCE TO PUBLIC TRAFFIC, AND SHALL HAVE UNDER CONSTRUCTION NO GREATER LENGTH OR AMOUNT OF WORK THAN CAN BE EXECUTED PROPERLY. ON EXISTING ROADS, TRAFFIC SHALL BE PERMITTED TO PASS THROUGH THE WORK AREA WITH AS LITTLE INCONVENIENCE AND DELAY AS POSSIBLE. RESTRICTED HOURS MAY BE REQUIRED.
15. EXISTING TRAFFIC SIGNALS AND LIGHTING SYSTEMS SHALL BE KEPT IN OPERATION FOR THE BENEFIT OF THE TRAVELING PUBLIC, AND TO MINIMIZE ANY INTERFERENCE WITH ROUTINE MAINTENANCE OF EXISTING SYSTEMS DURING WORK PROGRESS.
16. WHENEVER THE CONTRACTOR'S OPERATION CREATES A HAZARDOUS CONDITION TO TRAFFIC OR TO THE PUBLIC, CONTRACTOR SHALL FURNISH AT THEIR OWN EXPENSE, SUCH FLAGMEN AND GUARDS AS ARE NECESSARY TO GIVE ADEQUATE WARNING TO THE PUBLIC OF ANY DANGEROUS CONDITIONS. THE CONTRACTOR SHALL ALSO FURNISH, ERECT AND MAINTAIN SUCH FENCES, BARRICADES, LIGHTS, SIGNS, AND OTHER DEVICES NECESSARY TO PREVENT ACCIDENTS AND INJURY TO THE PUBLIC.
17. WHERE SURVEY MONUMENTS EXIST, SUCH MONUMENTS SHALL BE PROTECTED OR SHALL BE REFERENCED AND RESET, PURSUANT TO BUSINESS AND PROFESSIONS CODE, SECTIONS 8700 TO 8805 (LAND SURVEYOR'S ACT).
18. ALL EXISTING STREET SIGNS, ROADSIDE MARKERS, ETC. SHALL BE PROTECTED AND/OR REPLACED IN KIND TO THE CURRENT CITY STANDARD PLANS AND CURRENT CALIFORNIA MUTCD, AT NO COST TO THE CITY.
19. THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES OR STRUCTURES SHOWN ON THESE PLANS WERE OBTAINED BY A SEARCH OF THE AVAILABLE RECORDS. TO THE BEST OF OUR KNOWLEDGE, THERE ARE NO EXISTING UTILITIES EXCEPT AS SHOWN ON THESE PLANS. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT ALL UTILITY LINES, INCLUDING ANY OTHER LINES NOT SHOWN ON THESE PLANS OR NOT OF RECORD.
20. IT SHALL BE THE RESPONSIBILTY OF THE CONTRACTOR TO APPLY TO THE CITY OF MURRIETA ENGINEERING DEPARTMENT, FOR AN ENCROACHMENT PERMIT FOR ALL WORK ON EXISTING CITY MAINTAINED ROADS AND FOR UTILITY WORK WITHIN OFFERS OF DEDICATION FOR PUBLIC USE.
21. APPROVAL OF THESE PLANS BY THE CITY OR IT'S AGENTS DOES NOT RELIEVE THE APPLICANT AND HIS ENGINEERS FROM THE RESPONSIBILITY FOR THE CORRECTION OF ERRORS OR OMISSIONS DISCOVERED DURING CONSTRUCTION. UPON REQUEST, THE APPROPRIATE PLAN REVISIONS SHALL BE PROMPTLY SUBMITTED TO THE CITY ENGINEER FOR REVIEW AND APPROVAL.
22. ANY SERVICE SHUT DOWN SHALL BE DONE AT NIGHT. PRIOR TO ANY SHUT DOWN, THE CONTRACTOR SHALL NOTIFY THE DIRECTOR, ENGINEER, CUSTOMER, FIRE DEPARTMENT, SERVICING WATER DISTRICT, AND ALL OTHERS AFFECTED BY THE SHUT DOWN A MINIMUM OF TWO (2) WEEKS IN ADVANCE.
23. ALL STATIONING REFERS TO CENTERLINE OF CONSTRUCTION UNLESS OTHERWISE NOTED.
24. THE APPLICANT IS HEREBY NOTICED THAT THEY MUST COMPLY WITH ALL STATE AND FEDERAL ENDANGERED SPECIES LAW. THE CITY OF MURRIETA IS NOT RESPONSIBLE FOR ANY SUCH VIOLATION OF STATE OR FEDERAL ENDANGERED SPECIES LAW DUE TO THE APPLICANT'S NON-COMPLIANCE.
25. CONTRACTOR SHALL MAINTAIN TRAFFIC CONTROL IN ACCORDANCE WITH CALTRANS STANDARD PLANS T10 THROUGH T17, LATEST EDITION, AND THE 2014 CALIFORNIA MUTCD. IF REQUIRED BY THE ENGINEER, CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN FOR REVIEW AND APPROVAL BY CITY ENGINEER OR HIS REPRESENTATIVE PRIOR TO START OF WORK.
26. ALL MEDIAN NOSES SHALL BE PAINTED YELLOW.
27. MONROE AVENUE STRIPING SHALL FOLLOW CITY OF MURRIETA STANDARD DRAWING 103 (MOD A). MURRIETA HOT SPRINGS ROAD STRIPING SHALL FOLLOW CITY OF MURRIETA STANDARD DRAWING 102A.

SIGN LEGEND





TYPICAL DIAGONAL BUFFER HATCHING DETAIL

NOT TO SCALE

LEGEND

- NEW SIGN LOCATION (SINGLE POST)
- EXISTING SIGN LOCATION (SINGLE POST)
- SNS — STREET NAME SIGN
- (XX') — EXISTING LANE WIDTH
- XX' — NEW LANE WIDTH OR LENGTH OF NEW STRIPING
- TYPE IV ARROW PER CALTRANS STANDARD PLAN A24A
- BIKE LANE PAVEMENT MARKING AND ARROW PER CALTRANS STANDARD PLAN A24C AND A24A
- STOP — "STOP" PAVEMENT MARKING PER CALTRANS STANDARD PLAN A24D
- TS — TRAFFIC SIGNAL
- TYPE VI ARROW PER CALTRANS STANDARD PLAN A24A
- FWY — "FWY" PAVEMENT MARKING PER CALTRANS STANDARD PLAN A24E
- 15 — 15'X6' ROUTE SHIELD PAVEMENT MARKING PER 2009 MUTCD FIGURE 3B-25
- SHARED ROADWAY BICYCLE MARKING PER CALTRANS STANDARD PLAN A24C
- CONTINUOUS BARRICADE PER CITY OF MURRIETA STANDARD DRAWING 606 AND 609A.

MARKING NOTES

1. FURNISH AND INSTALL THERMOPLASTIC PAVEMENT MARKING PER CALTRANS STANDARD PLAN. SEE LEGEND ON THIS SHEET.
2. FURNISH AND INSTALL NEW SIGN ON NEW 2" SQUARE SIGN POST PER CITY OF MURRIETA DEPARTMENT OF PUBLIC WORKS 2010 STANDARD DRAWING 610, 612A, AND 612B.
3. MATCH EXISTING STRIPING.
4. REMOVE CONFLICTING STRIPING OR PAVEMENT MARKING BY SANDBLASTING AND/OR GRINDING.
5. INSTALL 12" WHITE THERMOPLASTIC LIMIT LINE/CROSSWALK LINE PER CALTRANS REVISED STD. PLAN A24E. LIMIT LINE SHALL BE PERPENDICULAR TO TRAVEL WAY AND 4' MINIMUM BEHIND CROSSWALK.
6. EXISTING SIGN TO REMAIN.
7. INSTALL WHITE BASIC CROSSWALK PER DETAIL PER CALTRANS STANDARD PLAN A24F.
8. REMOVE AND SALVAGE EXISTING SIGN AND POST.
9. INSTALL 8" WHITE CHEVRON MARKINGS ANGLED AT 30 DEGREES AND STRIPED AT INTERVALS AT 25'.
10. FURNISH AND INSTALL TYPE 9B STANDARD POLE (H=20') AND NEW SIGN PER CALTRANS STANDARD PLAN ES-7K, DETAIL A AND DETAIL B.
11. FURNISH AND INSTALL TYPE 15-FBS STANDARD POLE (H=18') AND NEW SIGN PER CALTRANS STANDARD PLANS ES-7J, DETAIL A.
12. FURNISH AND INSTALL DIAGONAL BUFFER HATCHING SPACED AT 55' PER DETAIL ON SHEET 10.

Plotted By:Rokosz, Cody Sheet Set:Na Layout:SM01 November 19, 2024 01:38:47pm K:\SND_LDEV\195120004 - the terraces murrieta\Design\plansheets - street improvements\120004-SM01.dwg
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"AS BUILT"

THE RECEIPT OF AS-BUILT PLANS AND CITY'S ACCEPTANCE THEREOF DOES NOT ABSOLVE THE ENGINEER OF WORK OF ANY RESPONSIBILITY FOR THE PROJECT DESIGN.

ENGINEER OF WORK _____ DATE _____

RCE NO. _____ EXPIRATION DATE _____

SEAL: REGISTERED PROFESSIONAL ENGINEER — JON M. COLLINS NO. 62090 Exp. 09/30/25 — STATE OF CALIFORNIA

SCALE

HORIZONTAL

AS NOTED

VERTICAL

AS NOTED

Kimley»Horn

401 B STREET, SUITE 600,
SAN DIEGO, CA 92101
PHONE: 619-234-9411
WWW.KIMLEY-HORN.COM

PREPARED BY _____ DATE 11/25/2024

JON M. COLLINS

RCE NO. 62090 EXP. DATE 09/30/25

DATE	INITIAL	REVISION DESCRIPTION	SHT. NO.	DATE	INITIAL
ENGINEER OF WORK				CITY APPROVAL	

Underground Service Alert
CALL BEFORE YOU DIG
Call TOLL FREE
1-800
422-4133
TWO WORKING DAYS BEFORE YOU DIG

BENCH MARK
DESCRIPTON: RIVERSIDE COUNTY BENCHMARK 600-11-68
LOCATION: 4 FEET SOUTH OF THE SOUTH-EAST CORNER OF 7 FT CHAIN LINK FENCE OF S.C.E. MURRIETA SUBSTATION #2
RECORDED: 07-26-1982
ELEVATION: 1050.946 DATUM: NGVD1929

APPROVED FOR SIGNATURE

BRIAN R. STEPHENSON 11/26/24 DATE

RICK ENGINEERING COMPANY
RCE NO. 69471

WDID #: 9 33C401926

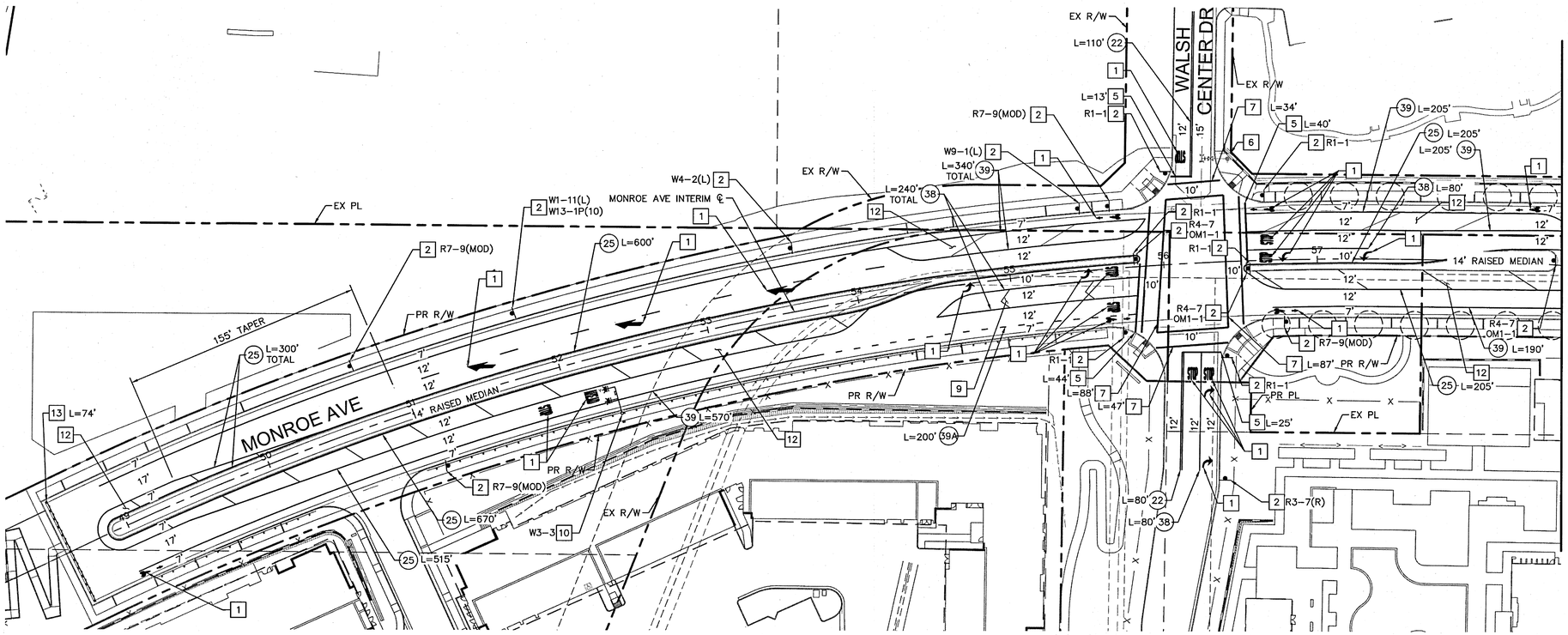
SHEET	CITY OF MURRIETA	SHEETS
31	ENGINEERING DEPARTMENT	37

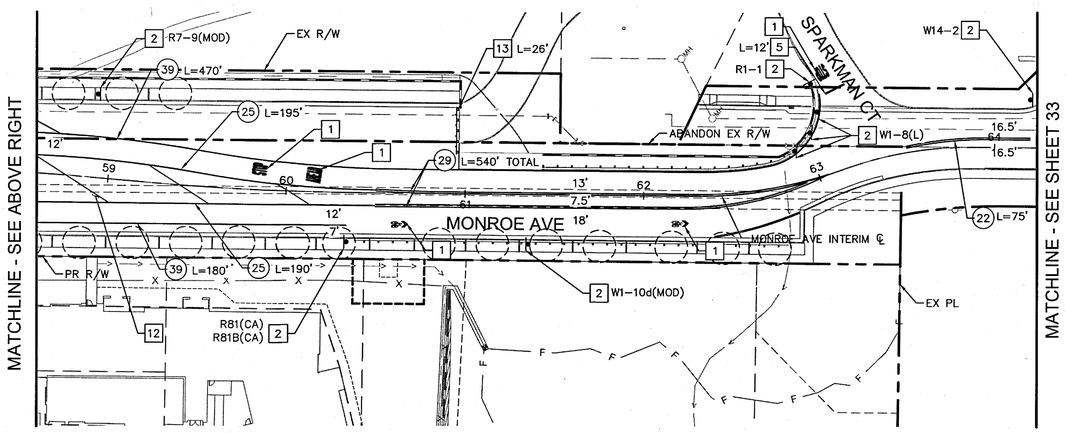
STREET IMPROVEMENT PLAN
TENTATIVE PARCEL MAP 38373

SIGNING AND MARKING PLAN

APPROVED
ROBERT K. MOEHLING DATE 12/19/24
DIRECTOR OF PUBLIC WORKS / CITY ENGINEER RCE 63056

DWN BY: CR	PROJECT NO.	DRAWING NO.
CHKD BY: TM	ENG-PC-IMP-2023-00010	24-600
FIELD BK:		





LEGEND

	NEW SIGN LOCATION (SINGLE POST)
	EXISTING SIGN LOCATION (SINGLE POST)
SNS	STREET NAME SIGN
(XX')	EXISTING LANE WIDTH
XX'	NEW LANE WIDTH OR LENGTH OF NEW STRIPING
	TYPE IV ARROW PER CALTRANS STANDARD PLAN A24A
	BIKE LANE PAVEMENT MARKING AND ARROW PER CALTRANS STANDARD PLAN A24C AND A24A
STOP	"STOP" PAVEMENT MARKING PER CALTRANS STANDARD PLAN A24D
TS	TRAFFIC SIGNAL
	TYPE VI ARROW PER CALTRANS STANDARD PLAN A24A
FWY	"FWY" PAVEMENT MARKING PER CALTRANS STANDARD PLAN A24E
15	15'X6' ROUTE SHIELD PAVEMENT MARKING PER 2009 MUTCD FIGURE 3B-25
	SHARED ROADWAY BICYCLE MARKING PER CALTRANS STANDARD PLAN A24C
	CONTINUOUS BARRICADE PER CITY OF MURRIETA STANDARD DRAWING 606 AND 609A.

MARKING NOTES

1 FURNISH AND INSTALL THERMOPLASTIC PAVEMENT MARKING PER CALTRANS STANDARD PLAN. SEE LEGEND ON THIS SHEET.

2 FURNISH AND INSTALL NEW SIGN ON NEW 2" SQUARE SIGN POST PER CITY OF MURRIETA DEPARTMENT OF PUBLIC WORKS 2010 STANDARD DRAWING 610, 612A, AND 612B.

5 INSTALL 12" WHITE THERMOPLASTIC LIMIT LINE/CROSSWALK LINE PER CALTRANS REVISED STD. PLAN A24E. LIMIT LINE SHALL BE PERPENDICULAR TO TRAVEL WAY AND 4' MINIMUM BEHIND CROSSWALK.

6 EXISTING SIGN TO REMAIN.

7 INSTALL WHITE BASIC CROSSWALK PER DETAIL PER CALTRANS STANDARD PLAN A24F.

9 INSTALL 8" WHITE CHEVRON MARKINGS ANGLED AT 30 DEGREES AND STRIPED AT INTERVALS AT 25'.

10 FURNISH AND INSTALL TYPE 9B STANDARD POLE (H=20') AND NEW SIGN PER CALTRANS STANDARD PLAN ES-7K, DETAIL A AND DETAIL B.

12 FURNISH AND INSTALL 8" YELLOW DIAGONAL BUFFER HATCHING SPACED AT 55' PER DETAIL ON SHEET 10.

13 FURNISH AND INSTALL CONTINUOUS BARRICADE AND NEW TYPE N SIGN PER CITY OF MURRIETA STANDARD DRAWING 606. POSTS SHALL BE 6' O.C.

STRIPING DETAILS

22 INSTALL TWO-DIRECTIONAL NO PASSING PATTERN (DETAIL 22) PER CALTRANS REVISED STANDARD PLAN RSP A20A.

25 INSTALL LEFT EDGELINE PATTERN (DETAIL 25) PER CALTRANS REVISED STANDARD PLAN RSP A20B.

29 INSTALL MEDIAN ISLAND PATTERN (DETAIL 29) PER CALTRANS REVISED STANDARD PLAN RSP A20B.

38 INSTALL WHITE CHANNELIZING LINE PATTERN (DETAIL 38) PER CALTRANS REVISED STANDARD PLAN RSP A20D.

39 INSTALL BIKE LANE LINE PATTERN (DETAIL 39) PER CALTRANS REVISED STANDARD PLAN RSP A20D.

39A INSTALL INTERSECTION LINE BIKE LANE PATTERN (DETAIL 39A) PER CALTRANS REVISED STANDARD PLAN RSP A20D.

NORTH

GRAPHIC SCALE IN FEET
0 20 40 80

WDID #: 9 33C401926

"AS BUILT"

THE RECEIPT OF AS-BUILT PLANS AND CITY'S ACCEPTANCE THEREOF DOES NOT ABSOLVE THE ENGINEER OF WORK OF ANY RESPONSIBILITY FOR THE PROJECT DESIGN.

ENGINEER OF WORK — DATE

RCE NO. — EXPIRATION DATE

SEAL: REGISTERED PROFESSIONAL ENGINEER — JON M. COLLINS — NO. 62090 — Exp. 09/30/25 — STATE OF CALIFORNIA

SCALE
HORIZONTAL: AS NOTED
VERTICAL: AS NOTED

Kimley»Horn
401 B STREET, SUITE 600,
SAN DIEGO, CA 92101
PHONE: 619-234-9411
WWW.KIMLEY-HORN.COM

PREPARED BY — DATE 11/25/2024
JON M. COLLINS
RCE NO. 62090 — EXP. DATE 09/30/25

DATE	INITIAL	ENGINEER OF WORK	REVISION DESCRIPTION	SHT. NO.	DATE	INITIAL	CITY APPROVAL

Underground Service Alert
Call TOLL FREE
1-800
422-4133
TWO WORKING DAYS BEFORE YOU DIG

BENCH MARK
DESCRIPTION: RIVERSIDE COUNTY BENCHMARK 600-11-68
LOCATION: 4 FEET SOUTH OF THE SOUTH-EAST CORNER OF 7 FT CHAIN LINK FENCE OF S.C.E. MURRIETA SUBSTATION #2
RECORDED: 07-26-1982
ELEVATION: 1050.946 DATUM: NGVD1929

APPROVED FOR SIGNATURE
BRIAN R. STEPHENSON — DATE 11/26/24
RICK ENGINEERING COMPANY
RCE NO. 69471

SHEET 32 — CITY OF MURRIETA, ENGINEERING DEPARTMENT — SHEETS 37

STREET IMPROVEMENT PLAN
TENTATIVE PARCEL MAP 38373

SIGNING AND MARKING PLAN

APPROVED
ROBERT K. MOEHLING — DATE 12/10/24
DIRECTOR OF PUBLIC WORKS / CITY ENGINEER — RCE 63056

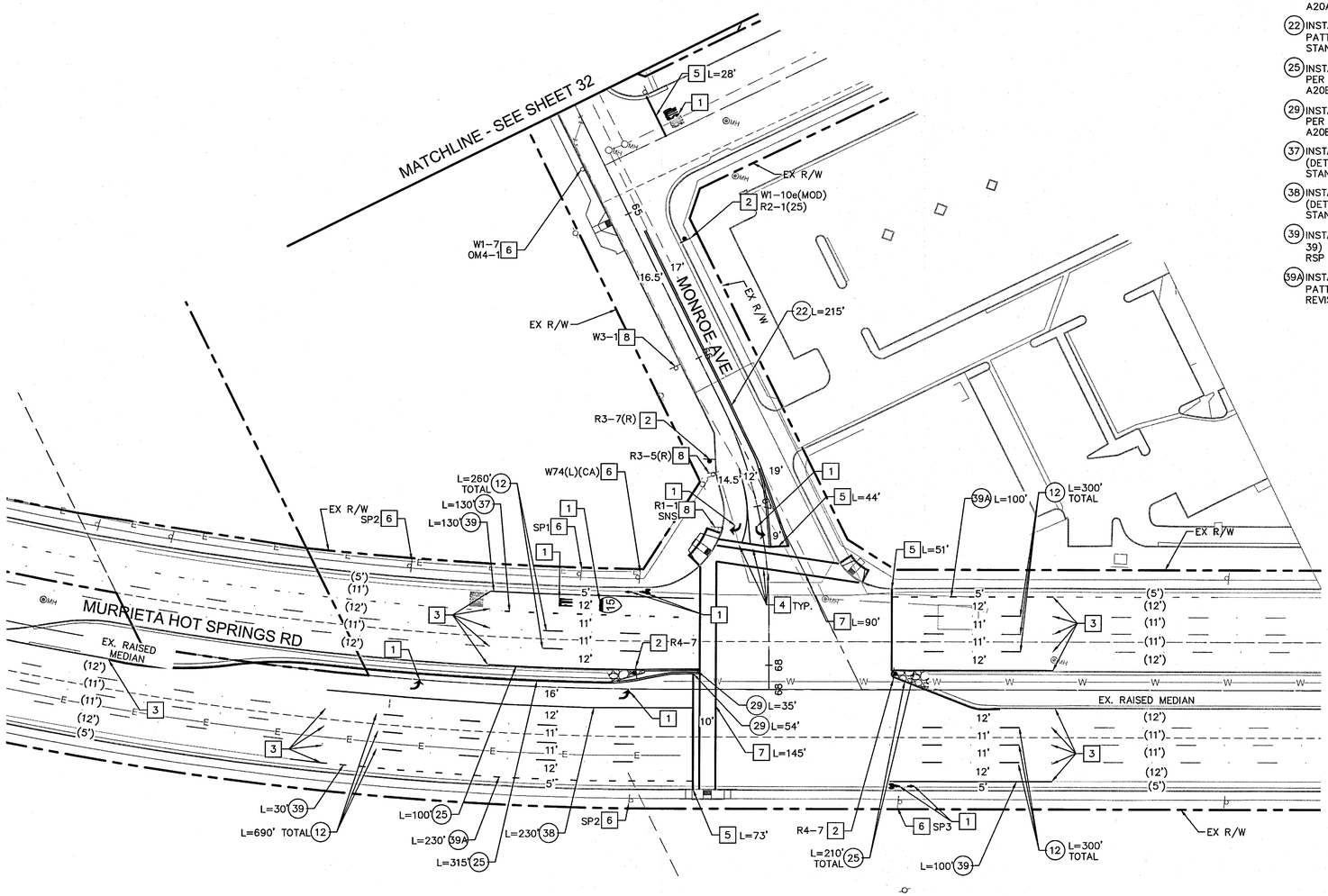
DWN BY: CR
CHKD BY: TM
FIELD BK:

PROJECT NO. ENC-PC-IMP-2023-00010

DRAWING NO. 24-601

Plotted By:Rovaza, Cody Sheet Set:Ina Layout:SM01 November 21, 2024 09:16:53am K:\SND_LDEV\195120004 - The Terraces Murrieta\Design\PlanSheets - Street Improvement\195120004-SM01.dwg
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POSITION LOCK BY POINT ON THIS LINE
POSITION LOCK BY POINT ON THIS LINE



STRIPING DETAILS

(12) INSTALL LANE LINE PATTERN (DETAIL 12) PER CALTRANS REVISED STANDARD PLAN RSP A20A.

(22) INSTALL TWO-DIRECTIONAL NO PASSING PATTERN (DETAIL 22) PER CALTRANS REVISED STANDARD PLAN RSP A20A.

(25) INSTALL LEFT EDGELINE PATTERN (DETAIL 25) PER CALTRANS REVISED STANDARD PLAN RSP A20B.

(29) INSTALL MEDIAN ISLAND PATTERN (DETAIL 29) PER CALTRANS REVISED STANDARD PLAN RSP A20B.

(37) INSTALL LANE DROP AT EXIT RAMP PATTERN (DETAIL 37) PER CALTRANS REVISED STANDARD PLAN RSP A20C.

(38) INSTALL WHITE CHANNELIZING LINE PATTERN (DETAIL 38) PER CALTRANS REVISED STANDARD PLAN RSP A20D.

(39) INSTALL BIKE LANE LINE PATTERN (DETAIL 39) PER CALTRANS REVISED STANDARD PLAN RSP A20D.

(39A) INSTALL INTERSECTION LINE BIKE LANE PATTERN (DETAIL 39A) PER CALTRANS REVISED STANDARD PLAN RSP A20D.

LEGEND

	NEW SIGN LOCATION (SINGLE POST)
	EXISTING SIGN LOCATION (SINGLE POST)
SNS	STREET NAME SIGN
(XX')	EXISTING LANE WIDTH
XX'	NEW LANE WIDTH OR LENGTH OF NEW STRIPING
	TYPE IV ARROW PER CALTRANS STANDARD PLAN A24A
	BIKE LANE PAVEMENT MARKING AND ARROW PER CALTRANS STANDARD PLAN A24C AND A24A
STOP	"STOP" PAVEMENT MARKING PER CALTRANS STANDARD PLAN A24D
(TS)	TRAFFIC SIGNAL
	TYPE VI ARROW PER CALTRANS STANDARD PLAN A24A
FWY	"FWY" PAVEMENT MARKING PER CALTRANS STANDARD PLAN A24E
(15)	15'X6' ROUTE SHIELD PAVEMENT MARKING PER 2009 MUTCD FIGURE 3B-25
	SHARED ROADWAY BICYCLE MARKING PER CALTRANS STANDARD PLAN A24C

MARKING NOTES

1 FURNISH AND INSTALL THERMOPLASTIC PAVEMENT MARKING PER CALTRANS STANDARD PLAN. SEE LEGEND ON THIS SHEET.

2 FURNISH AND INSTALL NEW SIGN ON NEW 2" SQUARE SIGN POST PER CITY OF MURRIETA DEPARTMENT OF PUBLIC WORKS 2010 STANDARD DRAWING 610, 612A, AND 612B.

3 MATCH EXISTING STRIPING.

4 REMOVE CONFLICTING STRIPING OR PAVEMENT MARKING BY SANDBLASTING AND/OR GRINDING.

5 INSTALL 12" WHITE THERMOPLASTIC LIMIT LINE/CROSSWALK LINE PER CALTRANS REVISED STD. PLAN A24E. LIMIT LINE SHALL BE PERPENDICULAR TO TRAVEL WAY AND 4' MINIMUM BEHIND CROSSWALK.

6 EXISTING SIGN TO REMAIN.

7 INSTALL WHITE BASIC CROSSWALK PER DETAIL PER CALTRANS STANDARD PLAN A24F.

8 REMOVE AND SALVAGE EXISTING SIGN AND POST.

NORTH

GRAPHIC SCALE IN FEET
0 20 40 80

WDID #: 9 33C401926

"AS BUILT"

THE RECEIPT OF AS-BUILT PLANS AND CITY'S ACCEPTANCE THEREOF DOES NOT ABSOLVE THE ENGINEER OF WORK OF ANY RESPONSIBILITY FOR THE PROJECT DESIGN.

ENGINEER OF WORK DATE

RCE NO. EXPIRATION DATE

SEAL: REGISTERED PROFESSIONAL ENGINEER — JON M. COLLINS NO. 62090 Exp. 09/30/25 — STATE OF CALIFORNIA

SCALE	
HORIZONTAL	AS NOTED
VERTICAL	AS NOTED

Kimley»Horn

401 B STREET, SUITE 600,
SAN DIEGO, CA 92101
PHONE: 619-234-9411
WWW.KIMLEY-HORN.COM

PREPARED BY DATE 11/25/2024

JON M. COLLINS
RCE NO. 62090 EXP. DATE 09/30/25

Underground Service Alert — CALL BEFORE YOU DIG — Call TOLL FREE 1-800 422-4133 — TWO WORKING DAYS BEFORE YOU DIG

BENCH MARK
DESCRIPTON: RIVERSIDE COUNTY BENCHMARK 600-11-68
LOCATION: 4 FEET SOUTH OF THE SOUTH-EAST CORNER OF 7 FT CHAIN LINK FENCE OF S.C.E. MURRIETA SUBSTATION #2
RECORDED: 07-26-1982
ELEVATION: 1050.946 DATUM: NGVD1929

APPROVED FOR SIGNATURE
BRIAN R. STEPHENSON 11/26/24 DATE
RICK ENGINEERING COMPANY
RCE NO. 69471

DATE	INITIAL	REVISION DESCRIPTION	SHT. NO.	DATE	INITIAL
ENGINEER OF WORK				CITY APPROVAL	

SHEET 33 — CITY OF MURRIETA, ENGINEERING DEPARTMENT — SHEETS 37

STREET IMPROVEMENT PLAN
TENTATIVE PARCEL MAP 38373

SIGNING AND MARKING PLAN

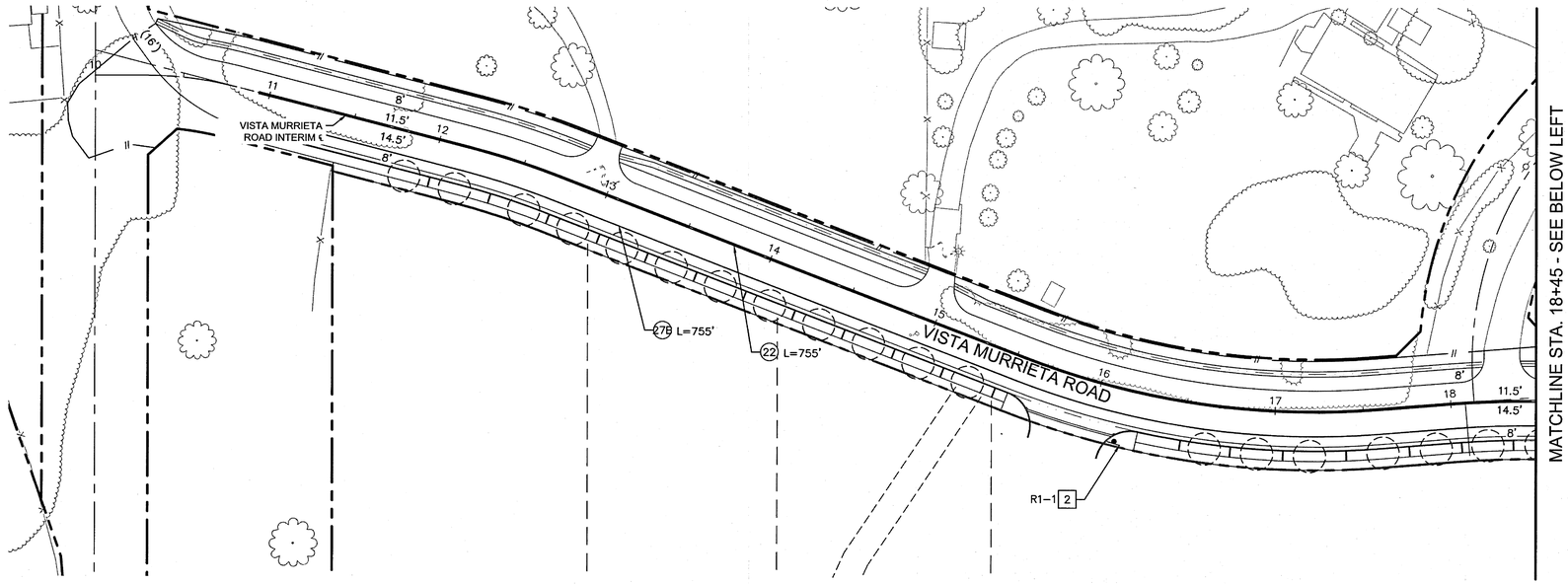
APPROVED
ROBERT K. MOEHLING DATE 12/19/24
DIRECTOR OF PUBLIC WORKS / CITY ENGINEER RCE 63058

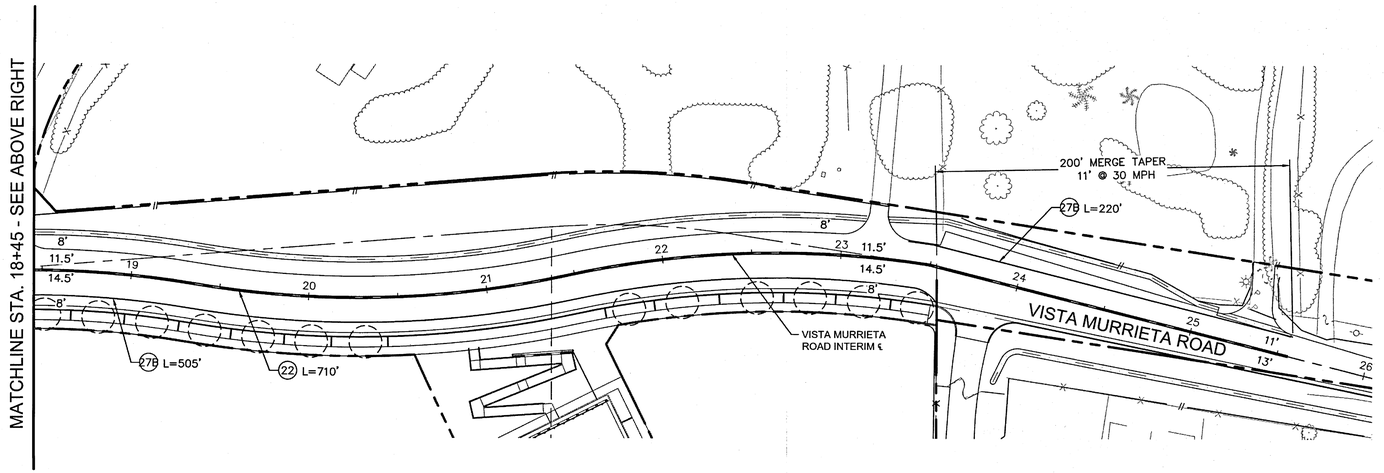
DWN BY: CR
CHKD BY: TM
FIELD BK:

PROJECT NO. ENC-PC-IMP-2023-00010

DRAWING NO. 24-602

Plotted By:Rokoez, Cody; Sheet Set:Kha Layout:SM02 November 19, 2024 01:39:07pm K:\SND_LDEV\195\120004 - the terraces murrieta\Design\sm\sheets - street improvements\120004-SM01.dwg
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LEGEND

- NEW SIGN LOCATION (SINGLE POST)
- EXISTING SIGN LOCATION (SINGLE POST)
- SNS — STREET NAME SIGN
- (XX') — EXISTING LANE WIDTH
- XX' — NEW LANE WIDTH OR LENGTH OF NEW STRIPING
- TYPE IV ARROW PER CALTRANS STANDARD PLAN A24A
- BIKE LANE PAVEMENT MARKING PER CALTRANS STANDARD PLAN A24C
- "STOP" PAVEMENT MARKING PER CALTRANS STANDARD PLAN A24D
- (TS) TRAFFIC SIGNAL
- TYPE VI ARROW PER CALTRANS STANDARD PLAN A24A

MARKING NOTES

2 FURNISH AND INSTALL NEW SIGN ON NEW 2" SQUARE SIGN POST PER CITY OF MURRIETA DEPARTMENT OF PUBLIC WORKS 2010 STANDARD DRAWING 610, 612A, AND 612B.

STRIPING DETAILS

(22) INSTALL TWO-DIRECTIONAL NO PASSING PATTERN (DETAIL 22) PER CALTRANS REVISED STANDARD PLAN RSP A20A.

(27B) INSTALL RIGHT EDGE LINE PATTERN (DETAIL 27B) PER CALTRANS REVISED STANDARD PLAN RSP A20B.

NORTH

GRAPHIC SCALE IN FEET
0 20 40 80

WDID #: 9 33C401926

"AS BUILT"

THE RECEIPT OF AS-BUILT PLANS AND CITY'S ACCEPTANCE THEREOF DOES NOT ABSOLVE THE ENGINEER OF WORK OF ANY RESPONSIBILITY FOR THE PROJECT DESIGN.

ENGINEER OF WORK — DATE

RCE NO. — EXPIRATION DATE

SEAL: REGISTERED PROFESSIONAL ENGINEER — JON M. COLLINS NO. 62090 Exp. 09/30/25 — STATE OF CALIFORNIA

Kimley»Horn
401 B STREET, SUITE 600,
SAN DIEGO, CA 92101
PHONE: 619-234-9411
WWW.KIMLEY-HORN.COM

PREPARED BY — DATE 11/25/2024
JON M. COLLINS
RCE NO. 62090 — EXP. DATE 09/30/25

Underground Service Alert
Call TOLL FREE
1-800
422-4133
TWO WORKING DAYS BEFORE YOU DIG

BENCH MARK
DESCRIPTON: RIVERSIDE COUNTY BENCHMARK 600-11-68
LOCATION: 4 FEET SOUTH OF THE SOUTH-EAST CORNER OF 7 FT CHAIN LINK FENCE OF S.C.E. MURRIETA SUBSTATION #2
RECORDED: 07-26-1982
ELEVATION: 1050.946 DATUM: NGVD1929

APPROVED FOR SIGNATURE
BRIAN R. STEPHENSON — 11/26/24 DATE
RICK ENGINEERING COMPANY
RCE NO. 69471

SCALE
HORIZONTAL: AS NOTED
VERTICAL: AS NOTED

DATE	INITIAL	REVISION DESCRIPTION	SHT. NO.	DATE	INITIAL
ENGINEER OF WORK				CITY APPROVAL	

SHEET 34 — CITY OF MURRIETA, ENGINEERING DEPARTMENT — SHEETS 37

STREET IMPROVEMENT PLAN
TENTATIVE PARCEL MAP 38373

SIGNING AND MARKING PLAN

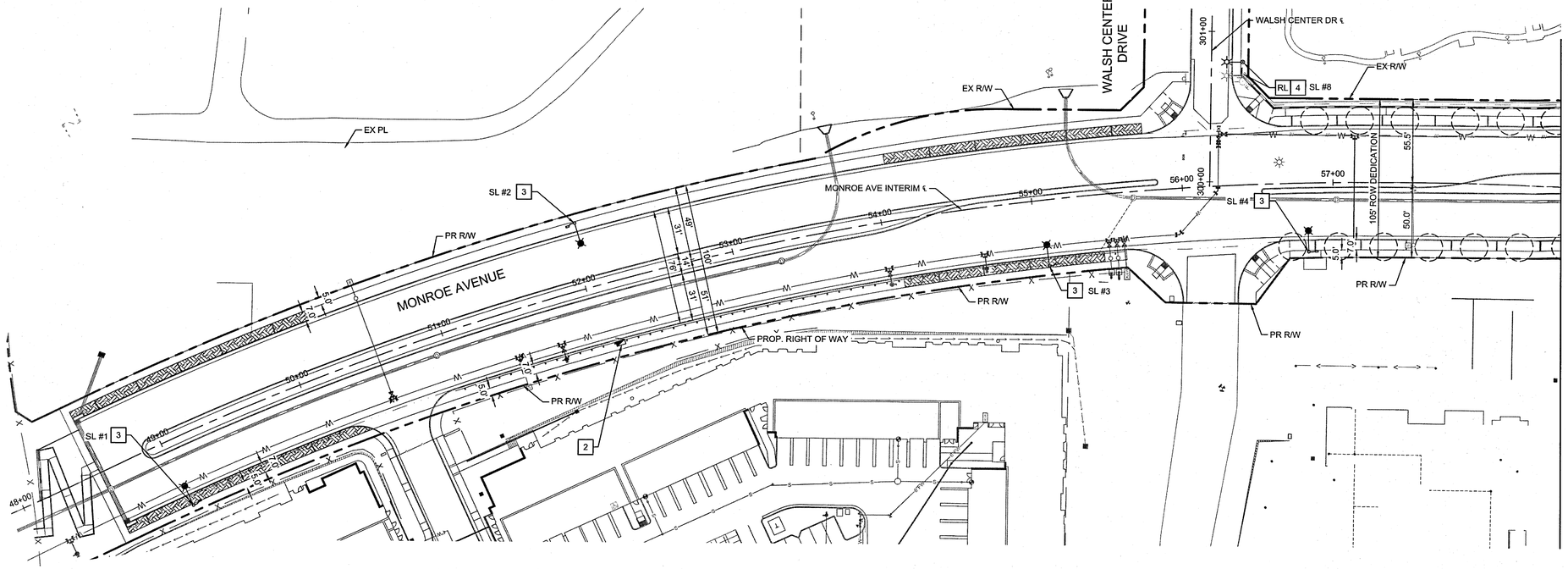
APPROVED
ROBERT K. MOEHLING — DATE 12/19/24
DIRECTOR OF PUBLIC WORKS / CITY ENGINEER — RCE 63056

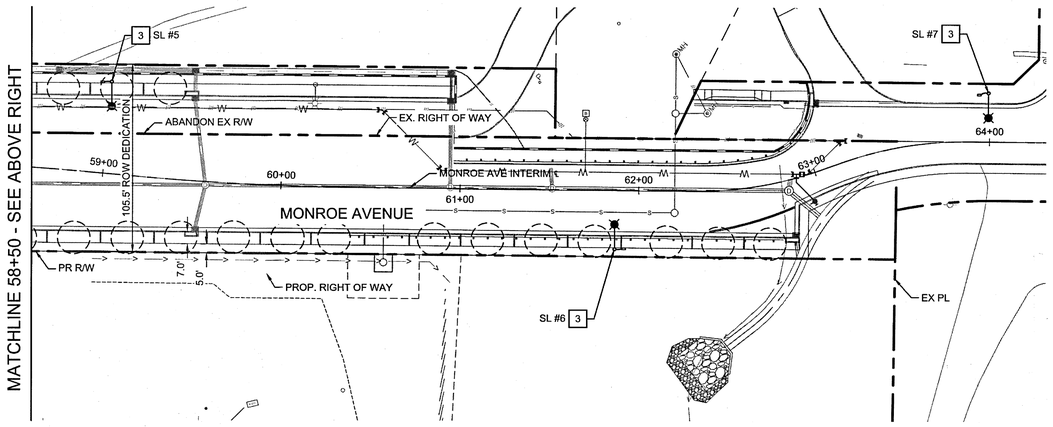
DWN BY: CR
CHKD BY: TM
FIELD BK:

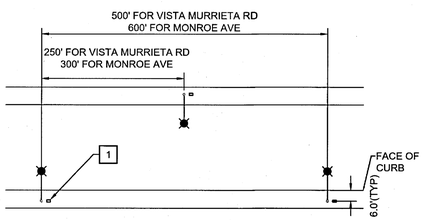
PROJECT NO. ENC-PC-IMP-2023-00010

DRAWING NO. 24-603

Plotted By: Rivkoss, Cody Sheet Set: Kha Layout: SM01 November 19, 2024 01:40:20pm K:\SND_LDEV\165\120004 - the terraces murrieta\Design\plans\sheets - street improvements\120004-SM02.dwg
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DETAIL A: TYPICAL POLE PLACEMENT

LEGEND

- PROPOSED STREET LIGHT PULL BOX
- PROPOSED CONDUIT
- PROPOSED NEW STREET LIGHT (ATERIAL)
- PROPOSED NEW STREET LIGHT (CUL DE SAC)
- EXISTING STREET LIGHT TO BE RELOCATED

STREET LIGHTING GENERAL NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CLEARING OF PROPOSED WORK AREA AND RELOCATION COST OF ALL EXISTING UTILITIES. PERMITEE MUST INFORM THE CITY OF CONSTRUCTION SCHEDULE AT LEAST 48 HOURS PRIOR TO BEGINNING OF CONSTRUCTION. TELEPHONE (909) 698-1040
2. ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE CITY OF MURRIETA PUBLIC WORKS DEPARTMENT IMPROVEMENT STANDARDS AND THE LATEST EDITION OF STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (GREEN BOOK)
3. THE DEVELOPER WILL INSTALL STREET NAME SIGN CONFORMING TO THE CITY STANDARD NO. 601
4. THE CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS WITH UNDERGROUND SERVICE ALERT AT 1-800-227-2600 AT LEAST TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION
5. STREET LIGHTS SHALL BE INSTALLED IN ACCORDANCE WITH THE CITY OF MURRIETA STANDARD DRAWING NO. 619 OR 620
6. STREET LIGHT SPACING SHALL BE IN ACCORDANCE WITH THE CITY OF MURRIETA STANDARD DRAWING NO. 620a

STREET LIGHTING CONSTRUCTION NOTES

1. CONNECT TO POINT OF SERVICE BY SCE. CONTRACTOR AND DRY UTILITY CONSULTANT SHALL COORDINATE WITH SCE TO DETERMINE NEAREST SERVICE POINT.
2. FURNISH AND INSTALL NEW TYPE III UNMETERED PEDESTAL, CONTRACTOR AND DRY UTILITY CONSULTANT SHALL COORDINATE WITH SCE.
3. FURNISH AND INSTALL 84W OR EQUIVALENT ARTERIAL, 2700K LED STREET LIGHT PER CITY OF MURRIETA STANDARD NO.620. STREET LIGHT POLE SHALL AHVE A HEIGHT OF 28' AND THE FACE OF THE STREET LIGHT POLE SHALL BE A MINIMUM OF 18" BEHIND THE SIDELWALK.
4. CONTRACTOR TO REMOVE AND RELOCATE EXISTING STREET LIGHT POLE, LUMINAIRE, AND R28(CA) SIGN ONTO NEW STREET LIGHT POLE FOUNDATION AND INSTALL ALL NECESSARY APPURTANCES FOR RELOCATED STREET LIGHT PER CITY OF MURRIETA STANDARD NO. 619. CONTRACTOR TO COORDINATE WITH SCE AND FIELD VERIFY THE LOCATION OF THE SERVICE PEDESTAL PRIOR TO CONSTRUCTION.

STREET LIGHT SCHEDULE

STREET LIGHT NUMBER	STATION	OFFSET	LUMINAIRE LIGHT TYPE	LUMENS	LED (WATTS)	COLOR TEMPERATURE	POLE HEIGHT
1	49+02.50	45.94' RT	ERL1-0-09-C3-27-A-GRAY-L	8,500 L	84W	2700K	28'-0"
2	52+04.37	44.00' LT	ERL1-0-09-C3-27-A-GRAY-L	8,500 L	84W	2700K	28'-0"
3	55+06.85	44.00' RT	ERL1-0-09-C3-27-A-GRAY-L	8,500 L	84W	2700K	28'-0"
4	56+83.04	45.98' RT	ERL1-0-09-C3-27-A-GRAY-L	8,500 L	84W	2700K	28'-0"
5	59+00.12	51.87' LT	ERL1-0-09-C3-27-A-GRAY-L	8,500 L	84W	2700K	28'-0"
6	61+86.71	33.19' RT	ERL1-0-09-C3-27-A-GRAY-L	8,500 L	84W	2700K	28'-0"
7	63+99.23	27.54' LT	ERL1-0-09-C3-27-A-GRAY-L	8,500 L	84W	2700K	28'-0"
8	300+79.91	20.71' RT	EX	EX	EX	EX	EX

NORTH

GRAPHIC SCALE IN FEET
0 20 40 80

WDID #: 9 33C401926

"AS BUILT"

THE RECEIPT OF AS-BUILT PLANS AND CITY'S ACCEPTANCE THEREOF DOES NOT ABSOLVE THE ENGINEER OF WORK OF ANY RESPONSIBILITY FOR THE PROJECT DESIGN.

ENGINEER OF WORK _____ DATE _____

RCE NO. _____ EXPIRATION DATE _____

SEAL: JON M. COLLINS NO. 62090 Exp. 09/30/25 REGISTERED PROFESSIONAL ENGINEER STATE OF CALIFORNIA

SCALE
HORIZONTAL: AS NOTED
VERTICAL: AS NOTED

Kimley»Horn
401 B STREET, SUITE 600,
SAN DIEGO, CA 92101
PHONE: 619-234-9411
WWW.KIMLEY-HORN.COM

PREPARED BY _____ DATE 11/25/2024
JON M. COLLINS
RCE NO. 62090 EXP. DATE 09/30/25

Underground Service Alert
Call TOLL FREE
1-800
422-4133
TWO WORKING DAYS BEFORE YOU DIG

BENCH MARK
DESCRIPTION: RIVERSIDE COUNTY BENCHMARK 600-11-68
LOCATION: 4 FEET SOUTH OF THE SOUTH-EAST CORNER OF 7 FT CHAIN LINK FENCE OF S.C.E. MURRIETA SUBSTATION #2
RECORDED: 07-26-1982
ELEVATION: 1050.946 DATUM: NGVD1929

APPROVED FOR SIGNATURE
TODD L. PITNER 11-26-24 DATE
MICHAEL BAKER INTERNATIONAL
RCE NO. 58606

DATE	INITIAL	REVISION DESCRIPTION	SHT. NO.	DATE	INITIAL
ENGINEER OF WORK				CITY APPROVAL	

SHEET 35 — CITY OF MURRIETA, ENGINEERING DEPARTMENT — SHEETS 37

STREET IMPROVEMENT PLAN
TENTATIVE PARCEL MAP 38373

LIGHTING PLAN

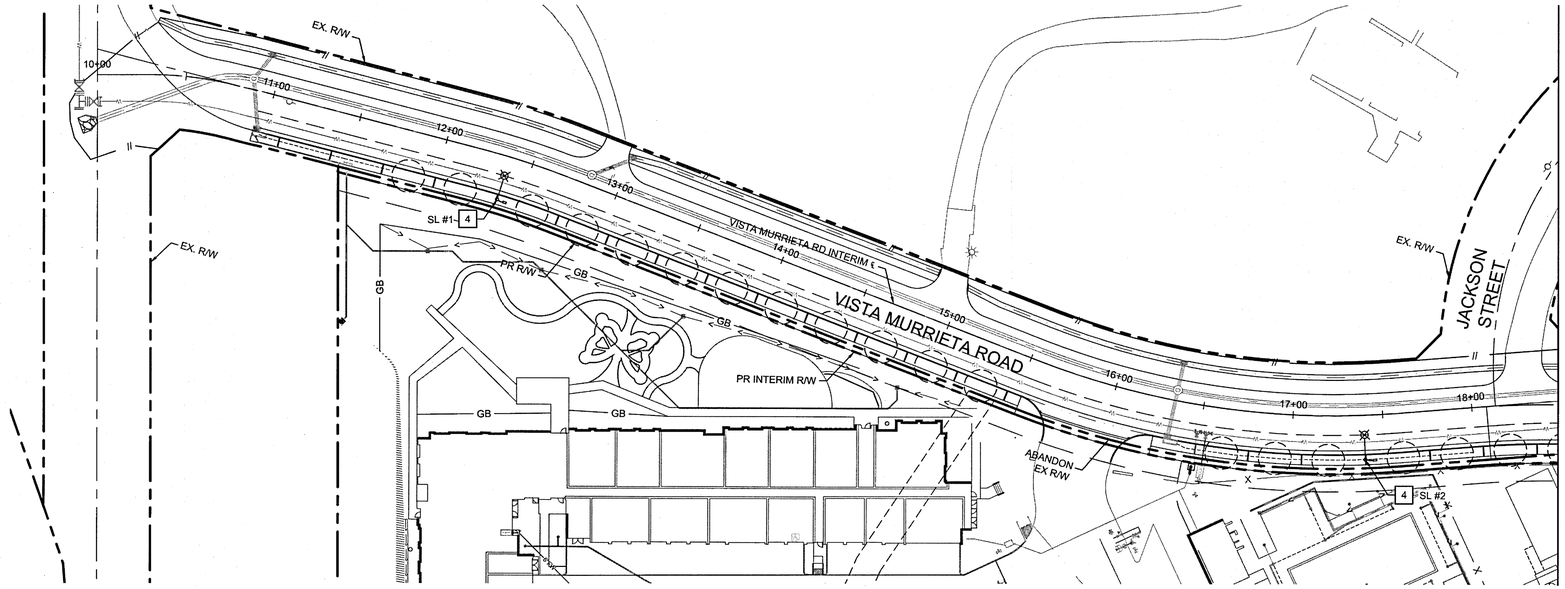
APPROVED
ROBERT K. MOEHLING DATE 12/9/24
DIRECTOR OF PUBLIC WORKS / CITY ENGINEER RCE 63055

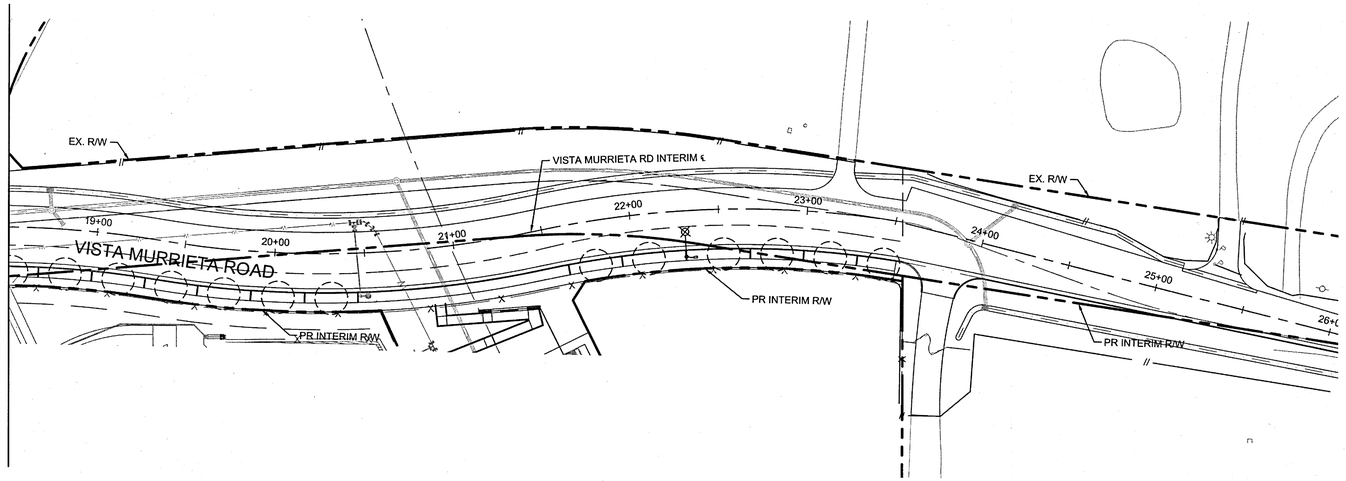
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CHKD BY: TM
FIELD BK: _____

PROJECT NO. ENC-PC-IMP-2023-00010

DRAWING NO. 24-604

Plotted By:Rokosz, Cody, Sheet Set:Kha Layout:MONROE AVE LTG November 21, 2024 09:17:30am K:\SND_LDEV\195120004 - The Terraces Murrieta\Design\PlanSheets - Street Improvement\120004-SL01.dwg
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LEGEND

- PROPOSED STREET LIGHT PULL BOX
- PROPOSED NEW STREET LIGHT (RESIDENTIAL)
- PROPOSED CONDUIT
- PROPOSED NEW STREET LIGHT (ATERIAL)
- PROPOSED NEW STREET LIGHT (CUL DE SAC)

STREET LIGHTING GENERAL NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CLEARING OF PROPOSED WORK AREA AND RELOCATION COST OF ALL EXISTING UTILITIES. PERMITEE MUST INFORM THE CITY OF CONSTRUCTION SCHEDULE AT LEAST 48 HOURS PRIOR TO BEGINNING OF CONSTRUCTION. TELEPHONE (909) 698-1040
2. ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE CITY OF MURRIETA PUBLIC WORKS DEPARTMENT IMPROVEMENT STANDARDS AND THE LATEST EDITION OF STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (GREEN BOOK)
3. THE DEVELOPER WILL INSTALL STREET NAME SIGN CONFORMING TO THE CITY STANDARD NO. 601
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5. STREET LIGHTS SHALL BE INSTALLED IN ACCORDANCE WITH THE CITY OF MURRIETA STANDARD DRAWING NO. 619 OR 620
6. STREET LIGHT SPACING SHALL BE IN ACCORDANCE WITH THE CITY OF MURRIETA STANDARD DRAWING NO. 620a

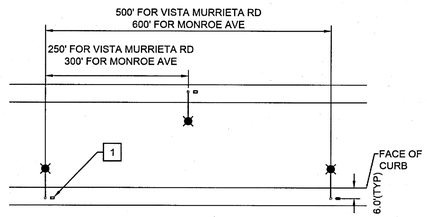
STREET LIGHTING CONSTRUCTION NOTES

1 FURNISH AND INSTALL 14W OR EQUIVALENT RESIDENTIAL, 2700K LED STREET LIGHT PER CITY OF MURRIETA STANDARD NO. 619. STREET LIGHT POLE SHALL HAVE A HEIGHT OF 26'–6" AND THE FACE OF THE STREET LIGHTPOLE SHALL BE A MINIMUM OF 18" BEHIND THE SIDEWALK.

5 CONNECT TO POINT OF SERVICE BY SCE. CONTRACTOR AND DRY UTILITY CONSULTANT SHALL COORDINATE WITH SCE TO DETERMINE NEAREST SERVICE POINT.

STREET LIGHT SCHEDULE

STREET LIGHT NUMBER	STATION	OFFSET	LUMINAIRE LIGHT TYPE	LUMENS	LED (WATTS)	COLOR TEMPERATURE	POLE HEIGHT
1	12+36.68	25' RT	ERL1-1-02-B3-27-A-GRAY-L	1,760 L	14W	2700K	26'-6"
2	17+39.47	25' RT	ERL1-1-02-B3-27-A-GRAY-L	1,760 L	14W	2700K	26'-6"
3	22+30.57	22.92' RT	ERL1-1-02-B3-27-A-GRAY-L	1,760 L	14W	2700K	26'-6"



DETAIL A: TYPICAL POLE PLACEMENT

NORTH

GRAPHIC SCALE IN FEET
0 20 40 80

WDID #: 9 33C401926

"AS BUILT"

THE RECEIPT OF AS-BUILT PLANS AND CITY'S ACCEPTANCE THEREOF DOES NOT ABSOLVE THE ENGINEER OF WORK OF ANY RESPONSIBILITY FOR THE PROJECT DESIGN.

ENGINEER OF WORK — DATE

RCE NO. — EXPIRATION DATE

SEAL: REGISTERED PROFESSIONAL ENGINEER — JON M. COLLINS NO. 62090 Exp. 09/30/25 — STATE OF CALIFORNIA

SCALE HORIZONTAL: AS NOTED

SCALE VERTICAL: AS NOTED

Kimley»Horn
401 B STREET, SUITE 600,
SAN DIEGO, CA 92101
PHONE: 619-234-9411
WWW.KIMLEY-HORN.COM

PREPARED BY — DATE 12/13/2024

JON M. COLLINS
RCE NO. 62090 EXP. DATE 09/30/25

DATE	INITIAL	ENGINEER OF WORK

REVISION DESCRIPTION	SHT. NO.	DATE	INITIAL
			CITY APPROVAL

Underground Service Alert
CALL BEFORE YOU DIG
Call TOLL FREE
1-800
422-4133
TWO WORKING DAYS BEFORE YOU DIG

BENCH MARK
DESCRIPTION: RIVERSIDE COUNTY BENCHMARK 600-11-68
LOCATION: 4 FEET SOUTH OF THE SOUTH-EAST CORNER OF 7 FT CHAIN LINK FENCE OF S.C.E. MURRIETA SUBSTATION #2
RECORDED: 07-26-1982
ELEVATION: 1050.946 DATUM: NGVD1929

APPROVED FOR SIGNATURE
TODD L. PITNER — DATE 12.17.24
MICHAEL BAKER INTERNATIONAL
RCE NO. 58606

SHEET 36 — CITY OF MURRIETA, ENGINEERING DEPARTMENT — SHEETS 37

STREET IMPROVEMENT PLAN
TENTATIVE PARCEL MAP 38373

LIGHTING PLAN

APPROVED
ROBERT K. MOEHLING — DATE 12/19/24
DIRECTOR OF PUBLIC WORKS / CITY ENGINEER RCE 63056

DWN BY: CR
CHKD BY: TM
FIELD BK:

PROJECT NO. ENC-PC-IMP-2023-00010

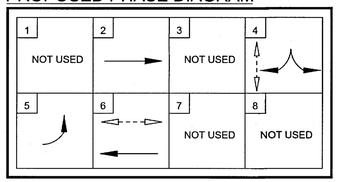
DRAWING NO. 24-1085

Plotted By:Bolvas, Cody; Sheet Set:Na Layout:VISTA MURRIETA LTG December 13, 2024 01:43:22pm K:\SND_LDEV\196120004 - The Terrace Murrieta\Design\Dwg\Sheets - Sheet (Improvement)\20002-SL02.dwg
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PLOTTED ON 12/20/2024 BY PRINT SHOP TECH, INC.

POLE SCHEDULE

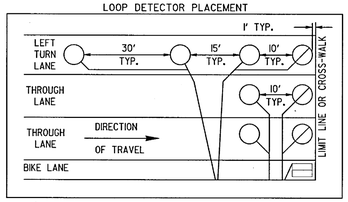
NO.	STANDARD TYPE	HGT	SIG. M.A.	LUM. M.A.	LUMINARE LED	PLACEMENT STA	PLACEMENT OFFSET	SIGNAL MOUNTING VEHICLE	PEDESTRIAN SIGNAL	PED PUSH BTN PHASE	PED PUSH BTN QUAD	RSNS	REMARKS
(A)	1-A	10'	-	-	-	118+24.53	96.4 Lt	-	TV-1-T	SP-1-T	Ø6	5	-	5 6
(B)	1-A	10'	-	-	-	119+21.35	81.0 Lt	-	TV-2-T	SP-1-T	Ø6	5	-	5 6
(C)	61-5-100	30'	65'	12'	150W	119+06.13	67.1 Rt	3-MAS	SV-2-T	-	-	-	MONROE AVE	
(D)	29-5-100	30'	50'	12'	150W	118+33.66	70.1 Rt	MAS	SV-1-T	SP-1-T	Ø4	3	MURRIETA HOT SPRINGS	5 6
(E)	61-5-100	30'	65'	12'	150W	118+15.37	77.5 Lt	2-MAS	SV-1-T	SP-1-T	Ø4	7	MONROE AVE	5 6

PROPOSED PHASE DIAGRAM

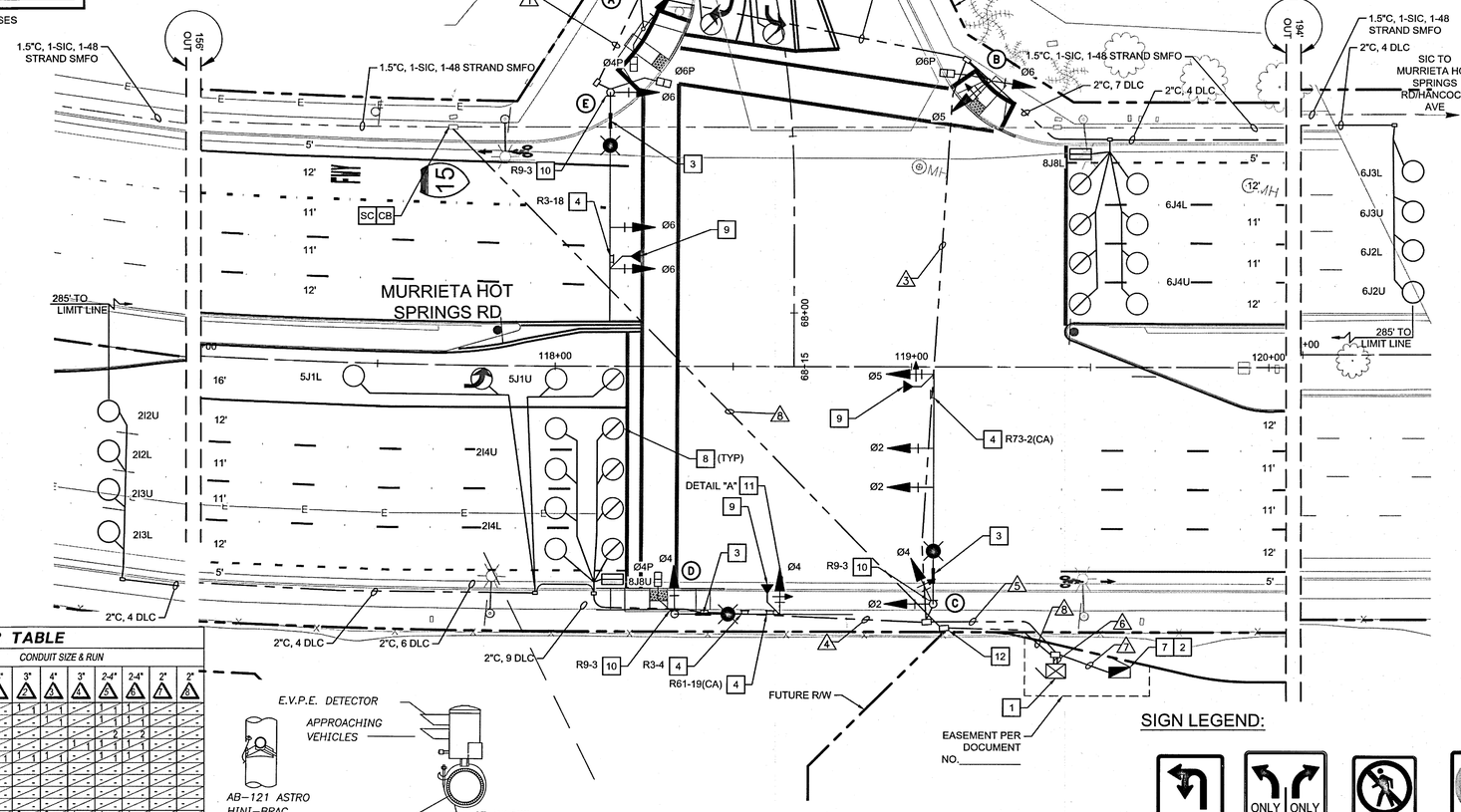


EMERGENCY OPERATION:FLASH RED ALL PHASES

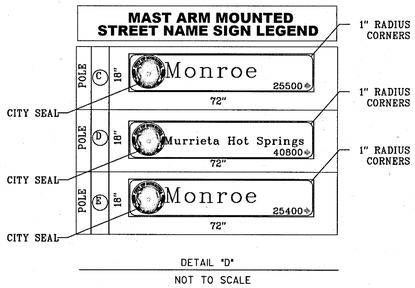
LOOP DETECTOR PLACEMENT



DETAIL "C"
NOT TO SCALE



MAST ARM MOUNTED STREET NAME SIGN LEGEND



DETAIL "D"
NOT TO SCALE

TRAFFIC SIGNAL GENERAL NOTES

1. CONTRACTOR SHALL OBTAIN APPROVAL FROM CITY ENGINEER FOR EXACT LOCATION OF EQUIPMENT, POLES AND LOOPS PRIOR TO INSTALLATION.
2. ALL TRAFFIC SIGNAL PULL BOXES WITH FOUR (4) OR MORE ENTERING CONDUITS SHALL BE No. 6 OR GREATER. ALL OTHER TRAFFIC SIGNAL PULL BOXES SHALL BE No. 5. ALL FIBER OPTIC PULL BOXES SHALL BE No. 6E (WITH EXTENSION). ALL CONDUITS INTO FIBER OPTIC PULL BOXES SHALL END IN 45 DEGREE, 36" RADIUS BENDS.
3. PULL BOXES SHALL BE SPACED NO MORE THAN 400 FEET.
4. ALL VEHICLE HEADS SHALL BE 12" DIAMETER L.E.D. INDICATIONS TO MEET THE LATEST CALTRANS SPECIFICATIONS.
5. PEDESTRIAN COMBINATION UNITS SHALL MEET THE CITY OF MURRIETA SPECIFICATIONS.
6. CONTRACTOR TO CONTACT AND COORDINATE A MEETING WITH EVP SUPPLIER & CITY INSPECTOR TO DETERMINE PROPER LOCATION, ALIGNMENT, & MOUNTING METHOD FOR EVP HEADS PRIOR TO INSTALLATION.
7. BURIED CONDUIT SHALL BE PVC UNLESS NOTED OTHERWISE ON THE PLANS OR SPECIFICATIONS. PVC CONDUIT WITH FIBER OPTIC SHALL HAVE A NO. 8 THWN LOCATOR WIRE.
8. DETECTOR AND FIBER OPTIC CONDUITS SHALL BE LOCATED BEHIND CURB USING DIRECTIONAL BORING OR TRENCHING METHODS UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER. JACKING SHALL NOT BE PERMITTED. TRENCHING IN PAVEMENT METHOD SHALL ONLY BE PERMITTED IF DIRECTIONAL BORING OR TRENCHING IS NOT FEASIBLE DUE TO SITE CONSTRAINTS AS APPROVED BY THE CITY ENGINEER.
9. FIBER OPTIC CONNECTION REQUIRED FROM CONTROLLER CABINET TO CONTROLLER CABINET WITHOUT SPLICES. CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE ADEQUATE FIBER OPTIC AVAILABLE OR PROVIDE NEW IF NECESSARY.
10. ALL 12 AND 3 CONDUCTOR CABLE SHALL BE CONTINUOUS WITHOUT SPLICE FROM CONTROLLER CABINET TO TERMINAL BOX AT SIGNAL POLE.
11. 560-C-3250 CONCRETE MIX SHALL BE USED WHEN TRENCHING IN PAVEMENT METHOD IS USED.
12. TRAFFIC RATED PULL BOXES SHALL BE USED IN ALL SHOULDER AREAS OR WHERE CONCRETE CURB IS NOT PRESENT.
13. ALL POT HOLE EXCAVATIONS SHALL BE DONE WITH 6" CORE VACUUM AND BACKFILLED WITH 2-SACK CONCRETE SLURRY FILLED TO EXISTING PAVEMENT SURFACE. SURFACE TO BE CAPPED WITH 3/8" PG-64-10 ASPHALT TO A TOTAL THICKNESS OF 1" PLUS EXISTING.
14. ALL LATERAL CONDUIT CROSSINGS SHALL BE 90 DEGREES TO CURB FACE.
15. CONTRACTOR SHALL PROVIDE 'AS-BUILT' DRAWINGS TO CITY INSPECTOR PRIOR TO SIGNAL TURN-ON.

TRAFFIC SIGNAL NOTES

1. FURNISH AND INSTALL NEW TYPE 2070 CONTROLLER IN FULLY LOADED 332L CABINET EQUIPPED FOR 8 PHASE OPERATION WITH BATTERY BACK-UP AND FOUNDATION COMPLETE, INCLUDING ALL EQUIPMENT NECESSARY FOR INTENDED OPERATION AS SHOWN ON PLANS.
2. FURNISH AND INSTALL 120V/240V TYPE III-CF SERVICE ENCLOSURE AND FOUNDATION AS DETAILED IN 2015 STD PLAN ES-2F AND ES-2C WITH TYPE V PEC.
3. FURNISH AND INSTALL STREET NAME SIGN PER DETAIL ON THIS PLAN.
4. FURNISH AND INSTALL SIGN AS LABELED ON MAST ARM PER CALTRANS STANDARD PLAN ES-7N, DETAIL U.
5. FURNISH AND INSTALL POLARA iNAVIGATOR 2-WIRE ADA TYPE PEDESTRIAN PUSH BUTTON(S) WITH R10-3 SIGN(S).
6. FURNISH AND INSTALL PEDESTRIAN SIGNAL HEAD WITH LED COUNTDOWN PEDESTRIAN SIGNAL FACE MODULE PER CALTRANS STANDARD PLAN ES-4B.
7. FURNISH AND INSTALL 2" CONDUIT AND 3#6 CONDUCTORS TO SCE SERVICE POINT. CONTRACTOR TO COORDINATE WITH SCE FOR SERVICE POINT LOCATION.
8. INSTALL FRONT TYPE E MODIFIED LOOP DETECTOR.
9. FURNISH AND INSTALL TOMAR EMERGENCY VEHICLE PREEMPTION (EVP) PER CITY STANDARDS.
10. FURNISH AND INSTALL SIGN AS LABELED ON SIGNAL POLE.
11. FURNISH AND INSTALL SIGNAL HEAD PER DETAIL AS INDICATED.
12. PULL BACK EXISTING 48 STRAND SMFO FROM MURRIETA HOT SPRINGS ROAD/HANCOCK AVENUE TO NEW CONTROLLER CABINET AT MURRIETA HOT SPRINGS ROAD/MONROE AVENUE AND MURRIETA HOT SPRINGS ROAD/HANCOCK AVENUE. FURNISH AND INSTALL SPLICE ENCLOSURE WITHIN NEW SIC #6E PULLBOC ADJACENT TO CABINET AT MURRIETA HOT SPRINGS ROAD/MONROE AVENUE. TERMINATE ALL FIBERS WITHIN SPLICE ENCLOSURE (48 IN/48 OUT). FURNISH AND INSTALL 6 STRANDS OF SMFO BETWEEN PULL BOX AND CABINET, AND TERMINATE TO NEW SPLICE TRAY WITHIN CABINET.

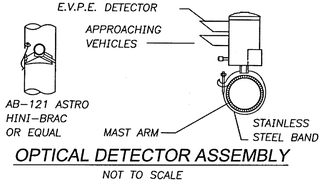
CB INSTALL CONDUIT INTO EXISTING PULL BOX.

SC SPLICE NEW TO EXISTING CONDUCTORS.

CONDUCTOR TABLE

AWG SIZE OR CABLE TYPE	PHASE	POLE OR CIRCUIT	CONDUIT SIZE & RUN 3" (1)	3" (2)	4" (3)	3" (4)	2-4" (5)	2-4" (6)	2" (7)	2" (8)
CONDUCTORS 3		POLE - A	-	1	1	-	1	1	-	-
		POLE - B	-	-	-	1	1	1	-	-
		POLE - C	-	-	-	-	1	1	2	-
		POLE - D	-	-	-	1	1	1	-	-
		POLE - E	1	1	1	1	1	1	-	-
CONDUCTORS 12			-	-	-	-	-	-	-	-
			-	-	-	-	-	-	-	-
			-	-	-	-	-	-	-	-
			-	-	-	-	-	-	-	-
TOTAL CABLES		3 CONDUCTOR/12 CONDUCTOR	1	2	2	3	3	4	2	-
NO 6		SIGNAL SERVICE	-	-	-	-	-	2	2	-
NO 8		GROUND	1	1	1	1	1	1	1	1
NO 10		LIGHTING	2	2	2	2	4	-	4	-
1-48 STRAND SMFO			-	-	-	-	-	1	-	1
TYPE "B" DLC	2	LOOP DETECTOR	-	-	-	7	7	7	-	-
	5	" "	-	-	-	2	2	2	-	-
	6	" "	-	-	7	-	7	7	-	-
	4	" "	-	2	2	-	2	2	-	-
TOTAL DLC			-	2	9	9	18	18	-	-
EMERGENCY VEHICLE DETECTOR (EV-DLC)			1	1	1	1	3	3	-	-
TOTAL			6	12	19	15	36	35	7	2
PERCENT FILL			9%	17%	31%	18%	29%	31%	11%	6%

ALL EQUIPMENT IS NEW

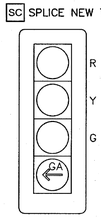


OPTICAL DETECTOR ASSEMBLY
NOT TO SCALE

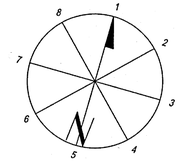
SIGN LEGEND:



R73-2(CA) 36"X36" | R61-19(CA) 36"X30" | R9-3 18"X18" | R3-18 24"X24"



DETAIL "A"
NOT TO SCALE



PPB LOCATION



GRAPHIC SCALE IN FEET
0 10 20 40

WDID #: 9 33C401926

"AS BUILT"

THE RECEIPT OF AS-BUILT PLANS AND CITY'S ACCEPTANCE THEREOF DOES NOT ABSOLVE THE ENGINEER OF WORK OF ANY RESPONSIBILITY FOR THE PROJECT DESIGN.

ENGINEER OF WORK _____ DATE _____

RCE NO. _____ EXPIRATION DATE _____

SEAL: REGISTERED PROFESSIONAL ENGINEER — JON M. COLLINS NO. 62090 Exp. 09/30/25 — STATE OF CALIFORNIA

SCALE: HORIZONTAL AS NOTED; VERTICAL AS NOTED

Kimley»Horn
401 B STREET, SUITE 600,
SAN DIEGO, CA 92101
PHONE: 619-234-9411
WWW.KIMLEY-HORN.COM

PREPARED BY _____ DATE 11/25/2024

JON M. COLLINS
RCE NO. 62090 EXP. DATE 09/30/25

DATE	INITIAL	REVISION DESCRIPTION	SHT. NO.	DATE	INITIAL
ENGINEER OF WORK				CITY APPROVAL	

Underground Service Alert
CALL BEFORE YOU DIG
Call TOLL FREE 1-800 422-4133
TWO WORKING DAYS BEFORE YOU DIG

BENCH MARK
DESCRIPTION: RIVERSIDE COUNTY BENCHMARK 600-11-68
LOCATION: 4 FEET SOUTH OF THE SOUTH-EAST CORNER OF 7 FT CHAIN LINK FENCE OF S.C.E. MURRIETA SUBSTATION #2
RECORDED: 07-26-1982
ELEVATION: 1050.946 DATUM: NGVD1929

APPROVED FOR SIGNATURE
BRIAN R. STEPHENSON 11/24/24 DATE
RICK ENGINEERING COMPANY
RCE NO. 69471

SHEET 37 | CITY OF MURRIETA ENGINEERING DEPARTMENT | SHEETS 37

STREET IMPROVEMENT PLAN
TENTATIVE PARCEL MAP 38373
MURRIETA HOT SPRINGS ROAD/MONROE AVE
TRAFFIC SIGNAL PLAN

APPROVED
ROBERT K. MOEHLING DATE 12/19/24
DIRECTOR OF PUBLIC WORKS / CITY ENGINEER RCE 63056

DWN BY: CR | CHKD BY: TM | FIELD BK: _____
PROJECT NO. ENC-PC-IMP-2023-00010
DRAWING NO. 24-606

Plotted By:Rokosz, Cody Sheet Set:Xha Layout:MHSR AND MONROE SIG November 25, 2024 11:56:53am K:\SND_LDE\195120004 - The Terraces Murrieta\Design\PlanSheets - Street Improvements\120004-TS01.dwg
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