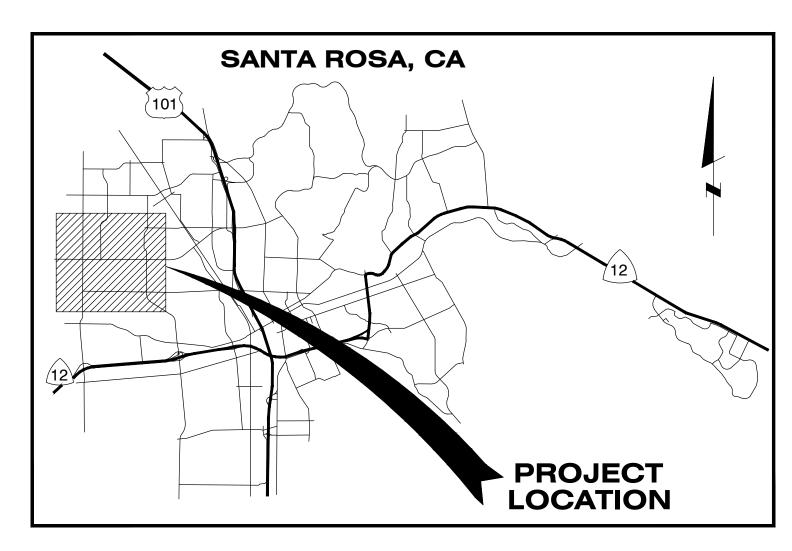
# © CITY OF SANTA ROSA IMPROVEMENT PLANS FOR

## PINER CREEK CROSSING - HAWK

GREENVALE COURT & FULTON ROAD CONTRACT No. C01643



VICINITY MAP

NOT TO SCALE

RECORD PLAN DATA

WATER SERVICE TYPE:

MANUFACTURER: FIRE HYDRANT TYPE

MANUFACTURER:

CONSTRUCTION

RECORD PLANS BY:

ADDITIONAL INFO

PROJECT START:

GEN. CONTRACTOR

SUPERINTENDENT:

UNDERGROUND

SEWER PIPE TYPE

MANUFACTURER:

SEWER FITTINGS

MANUFACTURER:

WATER PIPE TYPE:

MANUFACTURER:

WATER VALVE MANUFACTURER:

WATER FITTINGS

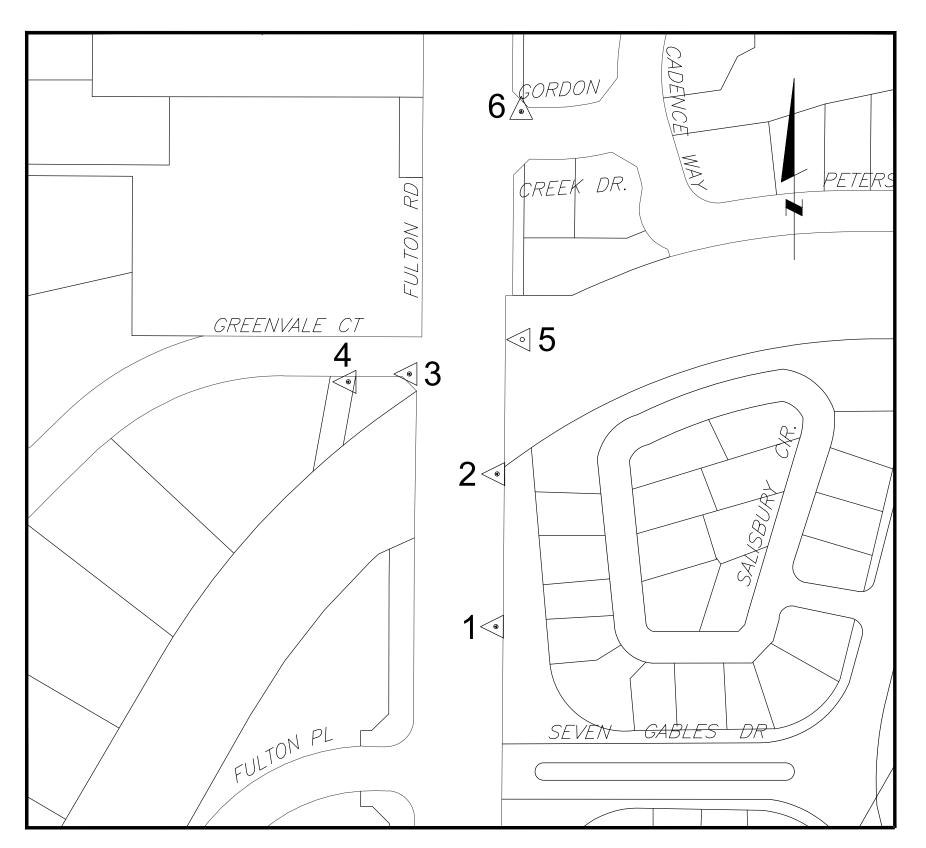
MANUFACTURER:

M.H. MANUFACTURER

CONTRACTOR:

FOREMAN:

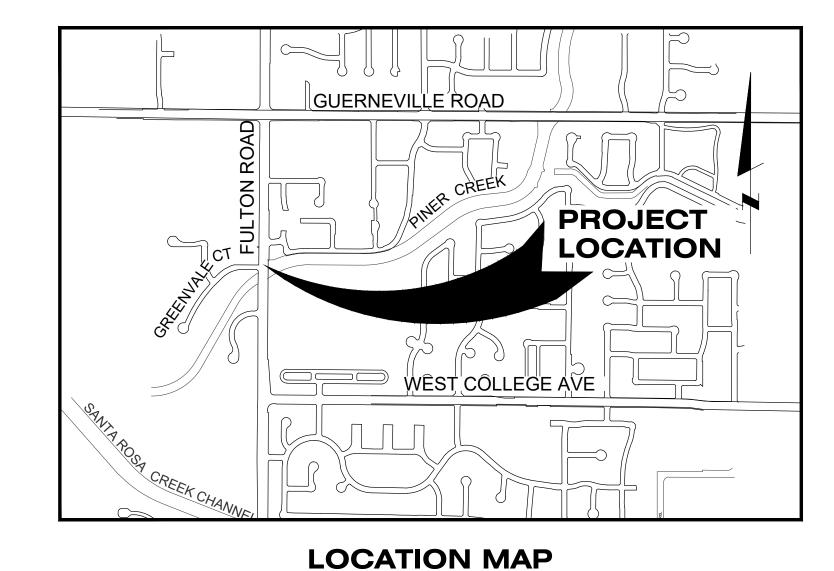
PROJECT END:



### SURVEY CONTROL DATA MAP NOT TO SCALE

CONTROL POINT COORDINATE TABLE							
PNT#	NORTHING	EASTING	ELEV	DESCRIPTION			
1	1925872.8430	6341286.3900	93.04	SET CUT X			
2	1926031.7910	6341287.6140	93.91	SET CUT X			
3	1926136.0180	6341196.2300	93.99	SET CUT X			
4	1926127.8000	6341132.6420	93.43	SET PK NAIL			
5	1926171.7620	6341313.7760	94.08	SET PK NAIL			
6	1926409.2960	6341314.7940	94.82	SET PK NAIL			

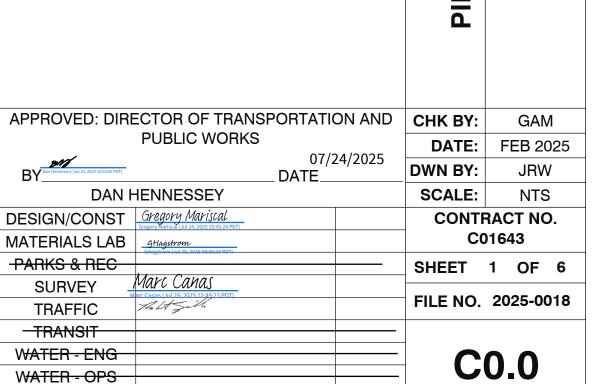
BEFORE EXCAVATING
CALL U.S.A NORTH.
UNDERGROUND SERVICE ALERT
CALL 811
TWO WORKING DAYS BEFORE ALL
PLANNED WORK OPERATIONS



#### **INDEX TO SHEETS**

NOT TO SCALE

Sheet No.	Title
C0.0	COVER SHEET
C0.1	LEGEND & ABBREVIATIONS
C1.0	DEMOLITION PLAN
C2.0	IMPROVEMENT PLAN
C3.0	SIGNING & STRIPING PLAN
C4.0	HAWK ELECTRICAL PLAN



DATE

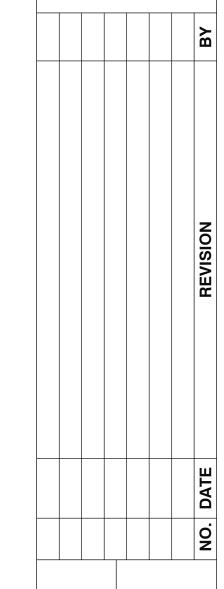
SIGNATURE

C 94899

C OF CALIO

City of Santa Ros





CREEK CROSSING - HA

#### **GENERAL NOTES**

- 1. ALL WORKMANSHIP, MATERIALS AND CONSTRUCTION SHALL CONFORM TO THE CITY OF SANTA ROSA ENGINEERING STANDARD PLANS AND SPECIFICATIONS FOR PUBLIC IMPROVEMENTS, THE SPECIAL PROVISIONS FOR THIS PROJECT AND THE STATE STANDARD SPECIFICATIONS AND CALTRANS 2018 STANDARD PLANS. THE CONTRACTOR IS RESPONSIBLE FOR UNDERSTANDING ALL STANDARDS PERTAINING TO THIS PROJECT.
- 2. THE CONTRACTOR SHALL CALL UNDERGROUND SERVICE ALERT USA NORTH AT 811 NO LESS THAN 2 WORKING DAYS (48 HOURS) PRIOR TO ANY EXCAVATION FOR MARKOUTS OF EXISTING UNDERGROUND FACILITIES.
- 3. THE LOCATIONS OF UNDERGROUND UTILITIES SHOWN ON THE PLANS ARE BASED ON AVAILABLE RECORD INFORMATION. COMPLETENESS AND ACCURACY OF THIS INFORMATION IS NOT GUARANTEED. THE CONTRACTOR SHALL POTHOLE AND DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES IN ACCORDANCE WITH THE TECHNICAL SPECIFICATIONS.
- 4. ANY CITY OR PRIVATE PROPERTY, INCLUDING LANDSCAPING, IRRIGATION OR OTHER IMPROVEMENTS, WHICH IS DAMAGED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE AND TO THE SATISFACTION OF THE ENGINEER.
- 5. THE CONTRACTOR SHALL ARRANGE FOR THE DISPOSAL OF GROUNDWATER PER CITY SPECIFICATIONS.
- 6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RECYCLING ALL BITUMINOUS PAVEMENT, CONCRETE, REINFORCEMENT, AND SPOILS NOT NEEDED FOR BACKFILL AS REQUIRED BY THE ENGINEER AND PER THE CITY SPECIFICATIONS.
- 7. THE CONTRACTOR SHALL ONLY REMOVE EXISTING TREES OR SHRUBS AS NOTED ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
- 8. ALL TRAVELED WALKWAYS SHALL BE SAFE AND USEABLE AT THE END OF EACH WORKDAY OR AS DIRECTED BY THE ENGINEER
- 9. THE CONTRACTOR SHALL MAINTAIN TRAFFIC CONTROL AND PEDESTRIAN USE DURING CONSTRUCTION IN ACCORDANCE WITH THE LATEST CA MUTCD. PEDESTRIAN TRAFFIC SHALL ALSO CONFORM TO THE REQUIREMENTS OF THE AMERICAN DISABILITIES ACT (ADA) AND SHALL ACCOMMODATE PEDESTRIAN TRAFFIC THROUGH OR AROUND THE WORK ZONES.
- 10. SIGNAGE SHALL BE CONSTRUCTED WITH REFLECTIVE MATERIAL ON A BACKING OF METAL OR FABRIC. FOR SIGNS DIRECTED TO PEDESTRIANS ONLY, CORRUGATED PRINTED SIGNS MAY BE USED WEATHER PERMITTING. SIGNS SHALL BE REMOVED OR COVERED WHEN NOT REQUIRED.
- 11. THE CONTRACTOR SHALL EXERCISE CAUTION WHEN DIGGING WITHIN THE DRIPLINE OF TREES. ROOTS LARGER THAN 2 INCHES SHALL NOT BE CUT WITHOUT PERMISSION FROM THE ENGINEER. IN THE EVENT THAT A ROOT IS LARGER THAN 2 INCHES, SEEK DIRECTION FROM THE ENGINEER.
- 12. THE CONTRACTOR SHALL PROTECT AND PRESERVE CITY MONUMENTS. THE CONTRACTOR SHALL COORDINATE 10 WORKING DAYS IN ADVANCE WITH THE CITY OF SANTA ROSA SURVEYOR FOR REFERENCING OF EXISTING MONUMENTS. THE CONTRACTOR SHALL RECONSTRUCT DISTURBED AND DESTROYED MONUMENTS IN ACCORDANCE WITH CITY STANDARD 280.
- 13. FOR CLARITY OF EXISTING SUBSURFACE CONDITIONS, NOT ALL CROSSWALKS, STOP BARS, OR EXISTING PAVEMENT MARKINGS ARE SHOWN ON THE PLANS. TRAFFIC STRIPES, RAISED PAVEMENT MARKERS AND PAVEMENT MARKINGS DAMAGED DUE TO THE CONTRACTOR'S OPERATIONS SHALL BE REPLACED IN KIND.
- 14. OVERHEAD UTILITY SERVICE DROPS ARE NOT SHOWN ON THE PLANS. THE CONTRACTOR SHALL INVESTIGATE THE SITE AND BE AWARE OF LIMITED OVERHEAD CLEARANCES.
- 15. LOCATIONS OF UNDERGROUND OBSTRUCTIONS SHOWN ON THE PLANS ARE APPROXIMATE ONLY AND SHOULD NOT BE TAKEN AS FINAL OR ALL INCLUSIVE. THE CONTRACTOR IS CAUTIONED THAT THE PLANS MAY NOT INCLUDE ALL EXISTING UTILITIES. THE CITY OF SANTA ROSA AND THE ENGINEER ASSUME NO RESPONSIBILITY FOR OBSTRUCTIONS THAT MAY BE ENCOUNTERED.
- 16. TRAFFIC SIGNAL INTERCONNECT WHERE LOCATED BY USA CAN BE VERY SHALLOW, CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE WHERE LOCATED, ANY REPAIR TO INTERCONNECT OR ELECTRICAL SHALL BE INSPECTED BY THE CITY OF SANTA ROSA PUBLIC WORKS ELECTRICAL DEPARTMENT. IF DAMAGED, THE ENTIRE RUN OF INTERCONNECT CABLE SHALL BE REPLACED WITHOUT SPLICE, CONTROLLER TO CONTROLLER, AT THE THE CONTRACTORS EXPENSE.

#### TRAFFIC SIGN INSTALLATION NOTES

- 1. ALL POLES SHALL BE 2 INCH I.D. GALVANIZED STEEL, IN CONFORMANCE WITH THE MOST CURRENT CALTRANS SPECIFICATION FOR SIGN POLES. BOTH ENDS SHALL BE THREADED.
- 2. FOR POLES IN FINISHED SURFACES, A 2 1/2 INCH DIAMETER HOLE SHALL BE DRILLED TO A DEPTH OF 18 INCHES. THE POLE SHALL BE SET USING A 1/3 CEMENT TO 2/3 SAND MIX.
- 3. FOR POLES INSTALLED IN UNFINISHED SURFACES, AN 8 INCH DIAMETER HOLE SHALL BE DUG TO A MINIMUM DEPTH OF 18 INCHES. THE POLE SHALL BE SET USING A 1 PART CEMENT TO 2 PARTS SAND MIX AND 3 PARTS GRAVEL.
- 4. SIGN INSTALLATION SHALL CONFORM TO CITY OF SANTA ROSA STD.-701.
- 5. BRIDGE MOUNTED R10-6 "STOP HERE ON RED" SIGN TO BE MECHANICALLY STRAPPED TO VERTICAL GUARD RAIL POST IN LINE WITH STOP BAR.

LEGEND (ALL MAY NOT APPLY) PROPOSED

● FOUND IRON PIPE AS NOTED

FOUND CENTERLINE MONUMENT, SIZE AS NOTED

FOUND NAIL & TAG, STAMPED AS NOTED

SET SURVEY CONTROL POINT AS NOTED

BARRICADE - BOLLARD

BIKE DETECT

CABLE TV - MARKOUT

CABLE TV - PULLBOX

CABLE TV - SERVICE RISER

E ELECTRIC - PULLBOX

E ELECTRIC - JOINT POLE

ELECTRIC - JOINT POLE WITH LIGHT

ELECTRIC - JOINT POLE WITH RISER

E ELECTRIC - GUY ANCHOR

ELECTRIC - JOINT POLE WITH RISER & LIGHT

ELECTRIC - GUY ANCHOR

-E-E-E- ELECTRIC - MARKOUT

--OHW-- ELECTRIC - OVERHEAD WIRE

ELECTRIC - CABINET

ELECTRIC - PG&E METER

ELECTRIC - SURFACE TRANSFORMER
ELECTRIC - VAULT
-0-0-0- FENCE - CHAINLINK
-x-x-- FENCE - WIRE

SECO SANITARY SEWER - CLEANOUT (MAIN)

OCO SANITARY SEWER - CLEANOUT (SERVICE)

SS SANITARY SEWER - MANHOLE
"S" SANITARY SEWER - SCRIBED "S" (SERVICE)

-ss-ss- SANITARY SEWER - MARKOUT

SHRUB

→ SIGN

STREET LIG

STREET LIGHT - STREET LIGHT

STREET LIGHT - ELECTROLIER

STREET LIGHT - MARKOUT

STREET LIGHT - PULLBOX
STORM DRAIN - CATCH BASIN
STORM DRAIN - DROP INLET
SD STORM DRAIN - MANHOLE

SURFACE LIGHT
-SD-SD- STORM DRAIN - MARKOUT
TEL-TEL- TELEPHONE - MANHOLE
-TEL-TEL- TELEPHONE - MARKOUT

TELEPHONE - PULLBOX
TELEPHONE - SERVICE RISER
TELEPHONE - VAULT

TREE - DRIP LINE

TREE - PALM
TRAFFIC SIGNAL - CABINET, CONTROL
TRAFFIC SIGNAL - CABINET, SERVICE

TRAFFIC SIGNAL - DETECTOR LOOP

-IC-ICTRAFFIC SIGNAL - INTERCONNECT MARKOUT
TRAFFIC SIGNAL - INTERCONNECT PULLBOX
TRAFFIC SIGNAL - LOOPWIRE HANDHOLE

TRAFFIC SIGNAL - MARKOUT

TRAFFIC SIGNAL - PEDESTRIAN SIGNAL POLE

TRAFFIC SIGNAL - PEDESTRIAN FLASHING LIGHT

TRAFFIC SIGNAL - PULLBOX
TRAFFIC SIGNAL - POLE 1A/1B
TRAFFIC SIGNAL - POLE W/15' MAST ARM
TRAFFIC SIGNAL - POLE W/20' MAST ARM
TRAFFIC SIGNAL - POLE W/25'-55' MAST ARM

TRAFFIC SIGNAL - REFLECTOR POST

TRAFFIC SIGNAL - VAULT
TRUNCATED DOMES

-UT-UT- UTILITY TRENCH - CENTERLINE
WATER - BLOW OFF VALVE
WATER - FIRE HYDRANT
WATER - IRRIGATION VALVE

-w-w-w WATER - MARKOUT

M WATER - METER

W WATER - MONITORING WELL

WATER - SPRINKLER HEAD

WATER WALVE

WATER - VALVE
WATER - VAULT
WHEEL STOP

ABBREVIATIONS

TWO WAY LEFT **ASPHALT CONCRET** AG/CONC AGGREGATE CONCRETE ASSESSORS PARCEL NUMBER ACCESSIBLE PEDESTRIAN SIGNAL BFP BACK FLOW PREVENTION VALVE **BOTTOM FACE OF WALL** B.D. **BRASS DISK BLDG** BUILDING BSW **BACK OF SIDEWALK** B.T. **BRASS TAG** CABINET

CL CENTERLINE
CL/T CENTERLINE/TOP
CSR CITY OF SANTA ROSA
CMP CORRUGATED METAL PIPE
CONC. CONCRETE
C.S.S.C. COUNTY SURVEYOR SONOR

**CATCH BASIN** 

CB

C.S.S.C. COUNTY SURVEYOR SONOMA COUNTY DETECT DETECTOR

DI DROP INLET
D.N. DOCUMENT NUMBER
DW DASHED WHITE
DWY DRIVEWAY
DY DASHED YELLOW
EDGE EDGE/CONCRETE BAND
ELEC. ELECTRIC
EP EDGE OF PAVEMENT

EVRGRN EVERGREEN
EG EXISTING GRADE
F/C FACE OF CURB
FEN FENCE
FG FINISH GRADE
FH FIRE HYDRANT
FL FLOW LINE
FND FOUND
G GROUND

GB GRADE BREAK
GM GAS METER
GV GAS VALVE
HDWL HEADWALL
IC INTERCONNECT
I.F.O. IN FAVOR OF
INL INLET
INV INVERT

INV INVERT
I.P. IRON PIPE
IRR IRRIGATION
JP JOINT POLE
LT LEFT
LIP LIP OF GUTTER
MH MANHOLE

M/O MARKOUT
MON. MONUMENT
NG NATURAL GROUND
NT NO TAG
OHW OVERHEAD WIRE

PB PULLBOX
PIV POST INDICATOR VALVE
PPB PEDESTRIAN PUSH BUTTON
PVC PVC PIPE

P.U.E. PUBLIC UTILITY EASEMENT
RCP REINFORCED CONCRETE PIPE
RT RIGHT

RSR RISER
S.C.W.A. SONOMA COUNTY WATER AGENCY
SERV. SERVICE
SD STORM DRAIN

SL STREET LIGHT
SS SANITARY SEWER
SSMH SANITARY SEWER MANHOLE
STA STATION

STATION SW SIDEWALK SWL SOLID WHITE LINE S.W.E. SIDEWALK EASEMENT SOLID YELLOW LINE SYL TB TOP OF BANK **TOP OF CURB** TEL **TELEPHONE** TFW TOP FACE OF WALL TOP GRATE TREE W TREE WELL T. PATCH TRENCH PATCH TS TRAFFIC SIGNAL TWL TWO WAY LEFT

UT UTILITY TRENCH
VG VALLEY GUTTER
VLT VAULT
WM WATER METER
WTR WATER
WV WATER VALVE

WY WATER VALVE
Y-Y DOUBLE YELLOW
#xxx STRUCTURE NUMBER



City of Santa Rosa



NO. DATE REVISION

R CREEK CROSSING - HA

**BBREVIATION** 

END

CHK BY: GAM

DATE: FEB 2025

DWN BY: JRW

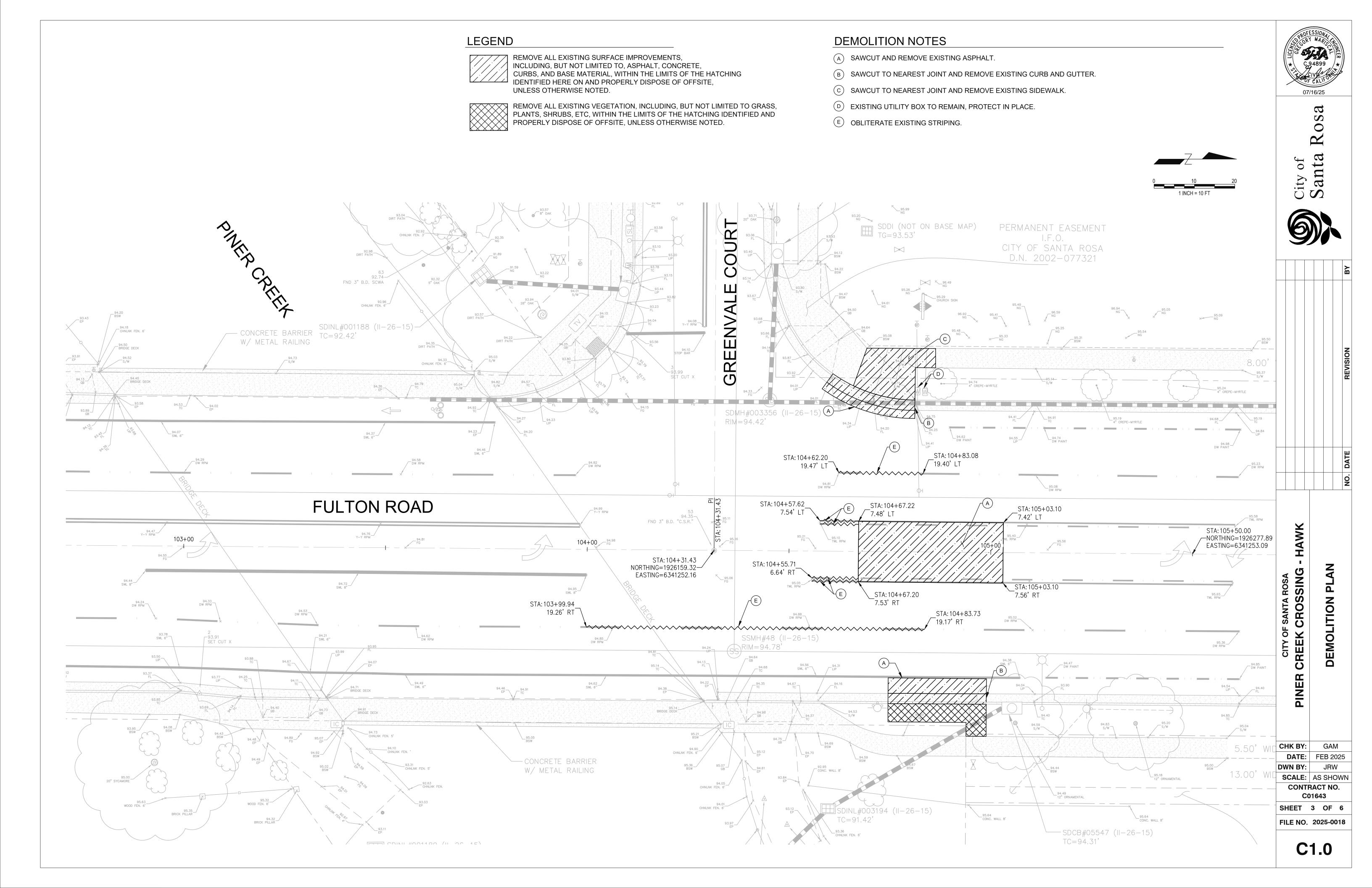
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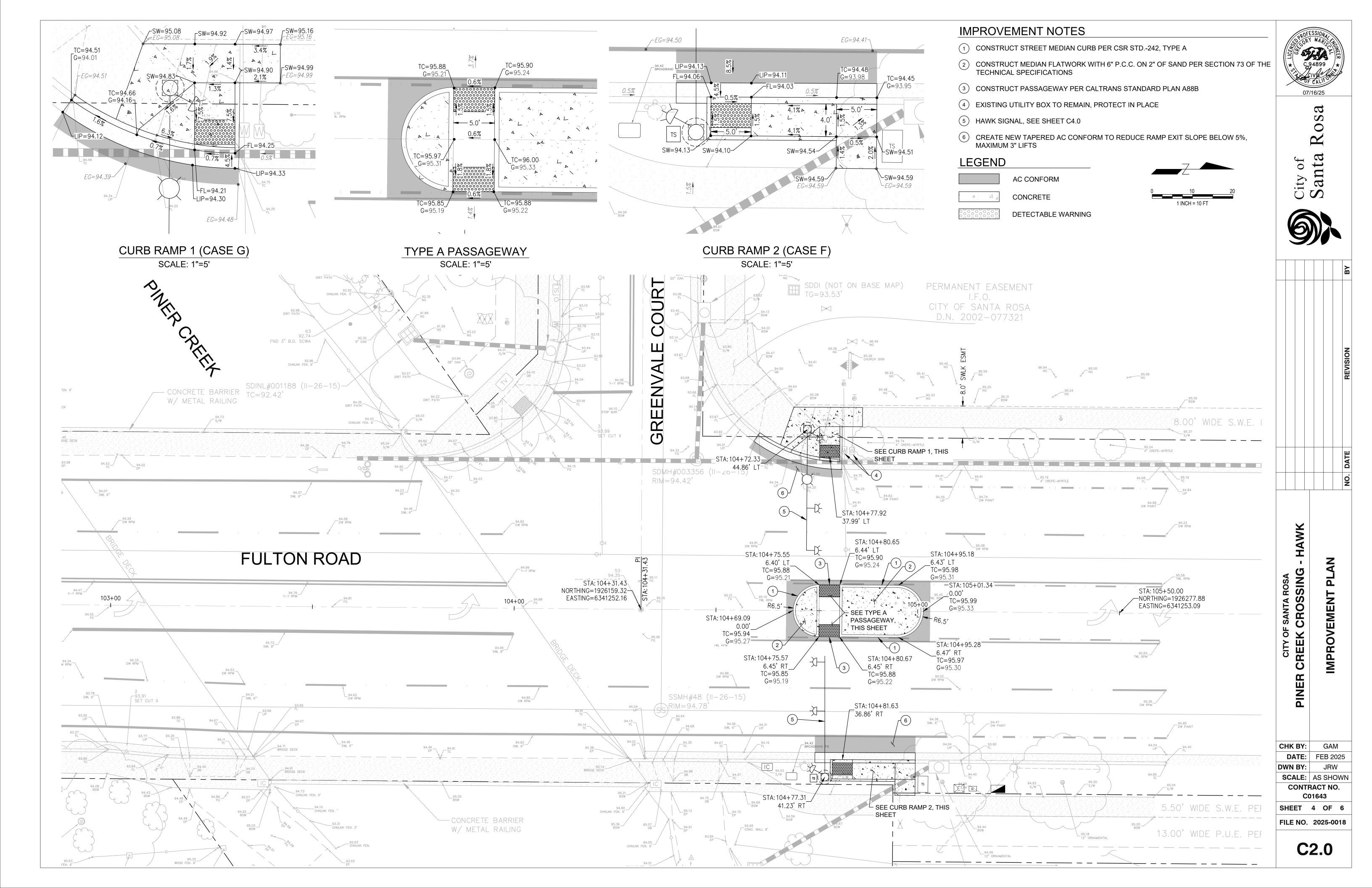
CONTRACT NO.
C01643

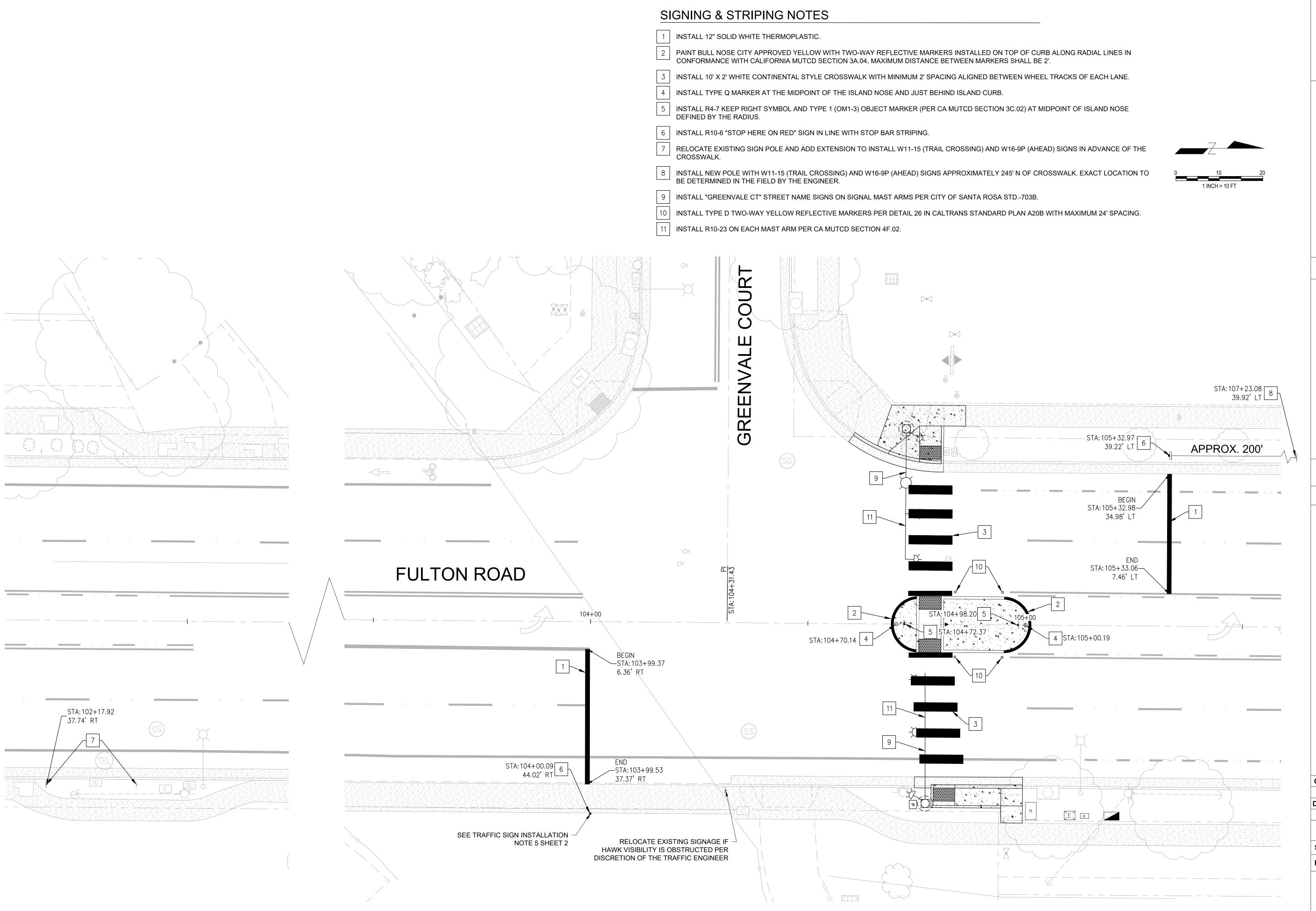
SHEET 2 OF 6

C<sub>0.1</sub>

FILE NO. 2025-0018









City of Santa Rosa



NO. DATE REVISION

JER CREEK CROSSING - HAW SIGNING & STRIPING PLAN

CHK BY: GAM

DATE: FEB 2025

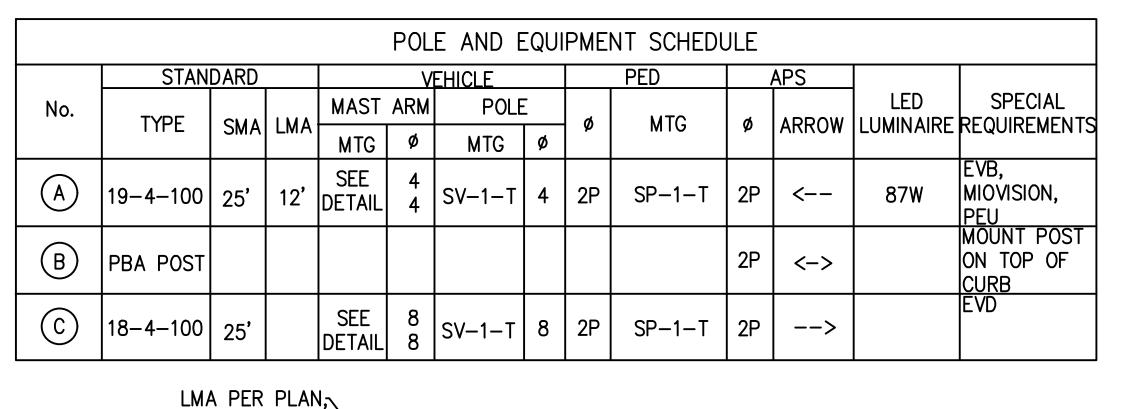
DWN BY: JRW

SCALE: AS SHOWN

CONTRACT NO.

SHEET 5 OF 6 FILE NO. 2025-0018

C3.0



SEE MOUNTING DETAIL

FIELD ADJUSTED-

SIGN: R10-23

LEVEL HEADS IN FIELD

C.C. MIN 11

(TYP.)

WHERE SHOWN

(TYP.)

SEE MOUNTING DETAIL

FIELD ADJUSTED-

LEVEL HEADS

IN FIELD

SIGN: R10-23

C.C. MIN 11

Ø8-

#### **ELECTRICAL SYSTEM WORK (THIS SHEET ONLY)**

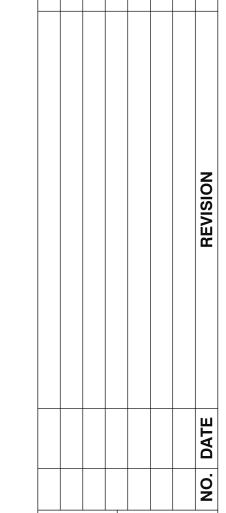
- FURNISH AND INSTALL NEW MCCAIN 2070LX CONTROLLER WITH ONMI INTERSECTION SOFTWARE AND NEW SAFETRAN 332L CABINET ASSEMBLY ON FOUNDATION MODEL 332L CABINET TO INCLUDE: TASK LIGHTING, DOCUMENT DRAWER, DROP-DOWN SHELF INSIDE FRONT DOOR, QUICK RELEASE CABINET FAN MOUNT, ACTELIS ETHERNET SWITCH MODEL ML684d AND M604d EXTENDER, 2070-7B SERIAL COMM MODULE, 12-200 LOAD SWITCHES, 2-204 FLASHERS, 2-242 DC ISOLATORS, 2-222 DETECTOR AMPLIFIERS, 1-EDI-2010 ECLIP CONFLICT MONITOR UNIT, AND ALL NECESSARY CARDS, MODULES, AND COMPONENTS TO OPERATE INTERSECTION. THE CABINET SHALL CONTAIN TWELVE POSITION INTERCONNECT TERMINAL STRIP FOR INTERCONNECT CABLES. ONE 6-FOOT C2P MODEM INTERCONNECT HARNESS SHALL BE REQUIRED.
- FURNISH AND INSTALL SERVICE CABINET FOR 100A METER, PROVIDE COMPONENTS FOR PEDESTRIAN HYBRID BEACON AND ALPHA MODEL SE48-1616 BATTERY BACK-UP SYSTEM (BBS). CONFORM TO CITY STANDARD 731.
- FURNISH AND INSTALL PEDESTRIAN HYBRID BEACON SYSTEM, INCLUDING ALL SYSTEM COMPONENTS SHOWN ON THESE PLANS AND DESCRIBED IN THE SPECIFICATIONS TO PRODUCE OPERATION SHOWN. MOUNTING OF SIGNAL HEADS SHALL BE CENTERED OVER TRAVEL LANES AND ADJUSTED TO THE SATISFACTION OF THE ENGINEER.

#### TRAFFIC SIGNAL NOTES (THIS SHEET ONLY)

- ALL INTERCONNECT PULL BOXES SHALL BE 17"X30" WITH FLARED WALLS, AND A MINIMUM DEPTH OF NO LESS THAN 28" FROM THE BOTTOM OF THE LID (FL36 OR EQUIVALENT).
- EXISTING INTERCONNECT BETWEEN W COLLEGE AVE AND GUERNEVILLE RD WILL BE COMPLETELY REMOVED. A NEW HYBRID FIBER OPTIC CABLE WILL BE INSTALLED AND ROUTED THROUGH EXISTING PULL BOXES CONNECTING W COLLEGE AVE CONTROLLER TO NEW GREENVALE CT CONTROLLER WITHOUT SPLICES AND GREENVALE CT CONTROLLER TO GUERNEVILLE RD CONTROLLER WITHOUT SPLICES.
- HYBRID FIBER OPTIC CABLE (HFOC) BETWEEN W COLLEGE AVE & GUERNEVILLE RD TO BE FIBER OPTIC CABLE CONSTRUCTED WITH 12 SMF AND 6 PAIR OF 22 AWG SOLID COPPER CONDUCTORS. MFG SUPERIOR ESSEX TELCO HYBRID CABLE, PN 72012 33 6 1.
- EDESTRIAN PUSHBUTTONS SHALL BE POLARA NAVIGATOR ID2S SYSTEM OR APPROVED QUAL.

CONDUCTOR TABLE					
AVAZO	OLDOLUT	RUNS			
AWG	CIRCUIT	1	2	3	
	Ø4	3			
	Ø8	3	3	3	
	Ø2P	4	2	2	
NO. 14	APS(Ø2P)	3	2	1	
	APS COMMON	3	2	1	
	SPARES	3	3	3	
	TOTAL No. 14	19	12	10	
NO. 10	LIGHTING (240 V)	2	2	2	
NO. 8	SIGNAL COMMON	1	1	1	
VID DET	TOTAL VIDEO	1	4	4	
	DETECTION CABLES	•	1	1	
	CHANNEL B	1	1	1	
<b>EVU CABLE</b>	CHANNEL D	1			
		_		_	
	TOTAL EV CABLES	2 2-3"	<u>1</u> 3"	1	
	CONDUIT SIZE (INCHES)			3"	
CONDUIT FI	7	8	8		





a

X

City of Santa

PLAN F SANTA ROSA CROSSING ELECTRICAL CREEK HAWK

CHK BY: GAM **DATE:** | FEB 2025 DWN BY: JRW **SCALE:** AS SHOWN CONTRACT NO. C01643

SHEET 6 OF 6 FILE NO. 2025-0018

**C4.0** 

		9			0	CON
	<u>                                     </u>	9			4.	PED EQU
	100 POLE DETAIL OT TO SCALE)		ASTRO-BRAC" ASSE MINAL COMPARTMEN	(NOTACK PLATE)  IMBLY  NT OR	OO POLE DETA	<u>AIL</u>
CROSSWALK  STOP  ON RED	R1 R2 Y BEACON HEA	12" LED	APPROVED E TERM. BLOCK- AL CABLE CLAMP MAST ARM			
R10-23 DETAIL (24" x 30")			PEDESTRIAN HYB	RID BEACON SMA	I <u>Mounting de</u>	<u>ETAIL</u>
AT REST	AFTER PED ACTIVATION-1	AFTER PED ACTIVATION-2	PED "WALK"	STOP THEN DRIV		
Ø4 T	Ø4 T	Ø4 T	Ø4   Δ	Ø4 T		

Ø2P

PHASE DIAGRAM

SOLID

RED

FLASHING FLASHING

DON'T WALK

