

INSTALL LEFT-TURN SIGNALS AT THREE INTERSECTIONS

FEDERAL AID PROJECT NO. HSIPL-5008(183)

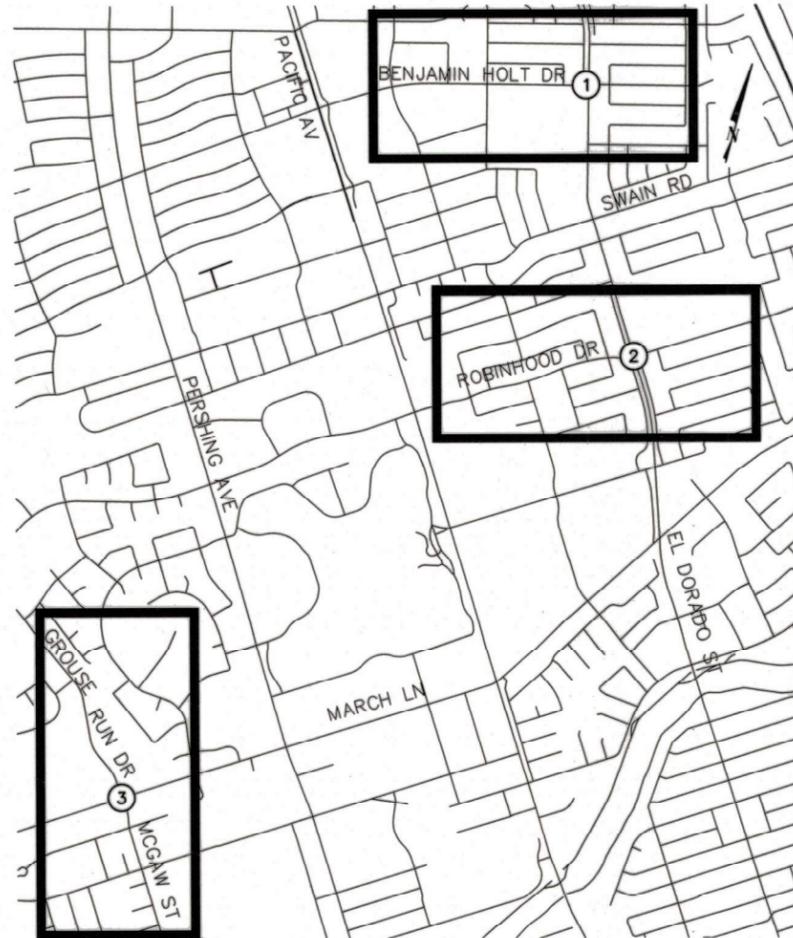
CITY OF STOCKTON PROJECT NO. WT19001

SHEET INDEX

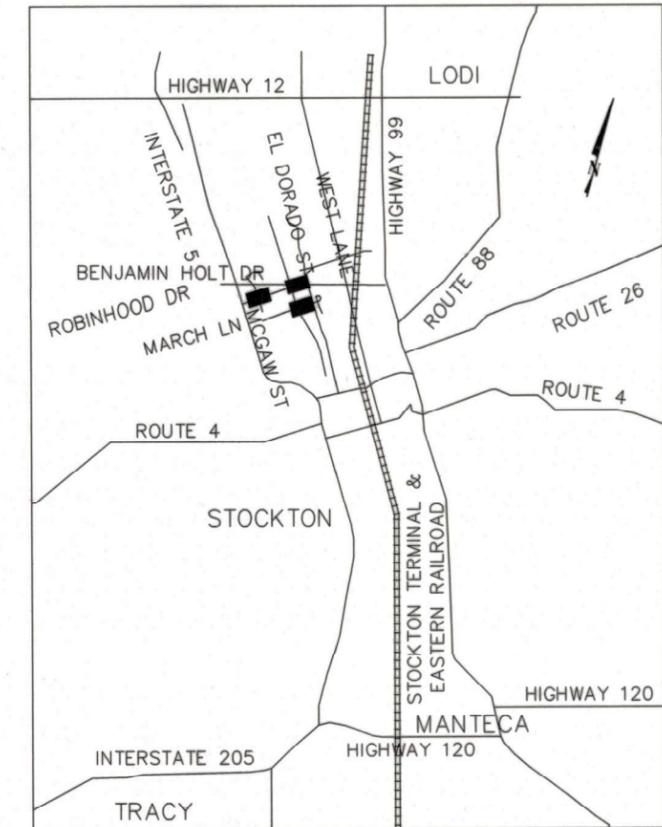
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LEGEND

PROPOSED	EXISTING	
---	---	CONDUIT
---	---	FACE OF CURB
---	---	LIP OF GUTTER
---	---	BACK OF CURB
---	---	BACK OF SIDEWALK
---	---	RIGHT-OF-WAY
---	---	FENCE
⊗	⊗	STORM SEWER LINE AND MANHOLE
⊙	⊙	STORM DRAIN LINE AND MANHOLE
—W—	—W—	WATER LINE
—N2—	—N2—	NITROGEN GAS LINE
—E—	—E—	ELECTRICAL LINE
—G—	—G—	GAS LINE
—T—	—T—	TELEPHONE LINE
—FO—	—FO—	FIBER OPTIC LINE
□	□	SERVICE CABINET
↑	↑	TRAFFIC SIGNAL HEAD
□	□	PULL BOX
⊙	⊙	PAN/TILT/ZOOM CAMERA
⊙	⊙	TRAFFIC SIGNAL STANDARD
⊙	⊙	EVP/TSP OPTICAL DETECTOR UNIT
⊙	⊙	UTILITY POLE
⊙	⊙	FIRE HYDRANT
⊙	⊙	TELEPHONE MANHOLE
⊙	⊙	WATER VALVE
⊙	⊙	MAST ARM MOUNTED SIGN
⊙	⊙	DETECTOR LOOP CABLE
⊙	⊙	VIDEO DETECTION ZONE - VEHICLE
⊙	⊙	VIDEO DETECTION ZONE - BICYCLE
⊙	⊙	LUMINAIRE
⊙	⊙	SIGN AND POST
⊙	⊙	PEDESTRIAN SIGNAL HEAD
⊙	⊙	VIDEO DETECTION CAMERA
⊙	⊙	CONDUIT CONNECTION
⊙	⊙	PEDESTRIAN PUSH BUTTON
⊙	⊙	PROJECT INTERSECTION OR CURVE No.
⊙	⊙	PROJECT INFORMATION SIGN
⊙	⊙	BENCHMARK



PROJECT LOCATION MAP
NOT TO SCALE



PROJECT VICINITY MAP
NOT TO SCALE

ABBREVIATIONS

AC ASPHALT CONCRETE	EVC PRE-EMPTION CHANNEL C	MAX MAXIMUM	RMC RIGID METAL CONDUIT
ADA AMERICANS WITH DISABILITIES ACT	EVD PRE-EMPTION CHANNEL D	MH MANHOLE	SDDI STORM DRAIN INLET
APS ACCESSIBLE PEDESTRIAN SIGNAL	EVP EMERGENCY VEHICLE PRE-EMPTION	MIN MINIMUM	SFP SMALL FORM FACTOR PLUGGABLE RECIEVER
BC BEGIN CURVE	EX. EXISTING	MT EMPTY	SIC SIGNAL INTERCONNECT CABLE
BOC BACK OF CURB	FH FIRE HYDRANT	NPS NOMINAL PIPE SIZE	SNS STREET NAME SIGN
BOW BACK OF WALK	FL FLOWLINE	PCC PORTLAND CEMENT CONCRETE	SW SIDEWALK
C&G CURB AND GUTTER	F.O. FIBER OPTIC	PPB PEDESTRIAN PUSH BUTTON	TC TOP OF CURB
CCTV CLOSED CIRCUIT TELEVISION	GB GRADE BREAK	PB PULL BOX	TG TOP OF GRATE
CONC CONCRETE	GRC GALVANIZED RIGID STEEL CONDUIT	PTZ PAN-TILT-ZOOM	TS TRAFFIC SIGNAL
DLC DETECTOR LEAD-IN CABLE	HMA HOT MIX ASPHALT	PVC POLYVINYL CHLORIDE	TYP. TYPICAL
EC END CURVE	HP HIGH POINT	R/W RIGHT-OF-WAY	WV WATER VALVE
EVA PRE-EMPTION CHANNEL A	LP LOW POINT	REL RELOCATE	
EVB PRE-EMPTION CHANNEL B			

[AB] ABANDON. IF APPLIED TO CONDUIT, REMOVE CONDUCTORS.	[RC] EQUIPMENT OR MATERIAL TO BE REMOVED AND BECOME PROPERTY OF THE CONTRACTOR.
[BC] INSTALL PULL BOX IN EXISTING CONDUIT RUN.	[RL] RELOCATE EQUIPMENT.
[CB] INSTALL CONDUIT INTO EXISTING PULL BOX.	[RS] REMOVE AND SALVAGE EQUIPMENT.
[CC] CONNECT NEW AND EXISTING CONDUIT. REMOVE EXISTING CONDUCTORS AND INSTALL CONDUCTORS AS NOTED.	

INSTALL LEFT-TURN SIGNALS AT THREE INTERSECTIONS

COVER SHEET

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

DATE: 06/16/2022	APPROVED BY: <i>[Signature]</i> DATE: 9/30/22	SHEET NO. CV-01	PROJECT NO. WT19001
SCALE: NONE	DESIGNED BY: JEA	CHECKED BY: KGA	



NO.	DESCRIPTION	CHECKED BY	CITY APPROVAL	APPROVED BY	DATE

Kimley»Horn

1300 Clay Street, Suite 325
Oakland, California 94612
Phone: (510) 625-0712

DESIGNED UNDER THE SUPERVISION OF:

[Signature]
KEVIN G. AGUIGUI
R.C.E. No. 048732, EXP. 9/30/22



5502 C

GENERAL NOTES

- ALL IMPROVEMENTS SHALL BE CONSTRUCTED IN STRICT ACCORDANCE WITH THE FOLLOWING: CURRENT CITY OF STOCKTON STANDARD SPECIFICATIONS AND PLANS, INCLUSIVE OF ALL CURRENT REVISIONS AND AMENDMENTS, CALIFORNIA DEPARTMENT OF TRANSPORTATION CURRENT STANDARD PLANS AND SPECIFICATIONS (CALTRANS), INCLUSIVE OF ALL CURRENT REVISIONS AND AMENDMENTS, AND CA-MUTCD LATEST EDITION, INCLUSIVE OF ALL CURRENT REVISIONS AND AMENDMENTS THERETO. WHERE THERE IS A CONFLICT BETWEEN THE PLANS AND THE CITY'S STANDARD SPECIFICATIONS AND PLANS, THE CITY OF STOCKTON STANDARD SPECIFICATIONS AND PLANS SHALL PREVAIL. CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTING THE IMPROVEMENTS IN ACCORDANCE WITH THE ABOVE-MENTIONED STANDARDS AND SPECIFICATIONS.
- THE CONTRACTOR SHALL VISIT THE SITE AND BECOME FAMILIAR WITH THE COMPLETE WORK SCOPE AND ALL RELATED CONDITIONS PRIOR TO BID. ANY QUESTIONS OR DISCREPANCIES WITH THE INFORMATION SHOWN HEREIN MUST BE DIRECTED TO THE ENGINEER PRIOR TO BID.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PERMITS AND LICENSES REQUIRED FOR THE CONSTRUCTIONS AND COMPLETION OF THE PROJECT AND SHALL PERFORM ALL WORK IN ACCORDANCE WITH THE REQUIREMENTS AND CONDITIONS OF ALL PERMITS AND APPROVALS APPLICABLE TO THIS PROJECT. THE CONTRACTOR SHALL ENSURE THAT THE NECESSARY PERMITS AND/OR LICENSES ARE SECURED PRIOR TO CONSTRUCTION.
- CONTRACTOR SHALL OBTAIN AN ENCROACHMENT PERMIT FROM THE CITY OF STOCKTON FOR ANY WORK DONE WITHIN CITY RIGHTS-OF-WAY OR ON CITY-OWNED FACILITIES WITHIN AN EASEMENT. CONTRACTOR SHALL CALL THE PERMIT CENTER AT (209) 937-8366 TO REQUEST A CONTROL NUMBER AND ACTIVATE THE PERMIT NO LESS THAN 24 HOURS, BUT NOT IN EXCESS OF 72 HOURS PRIOR TO START OF WORK.
- ALL STATIONS REFER TO DISTANCES ALONG STREET CENTERLINE, UNLESS OTHERWISE NOTED. ALL STATIONS OFF CENTERLINE ARE PERPENDICULAR TO OR RADIALLY OPPOSITE CENTERLINE STATIONS.
- THE CONTRACTOR SHALL RECEIVE PRIOR APPROVAL FROM THE ENGINEER FOR ANY EXTRA WORK. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY FIELD CHANGES MADE WITHOUT PRIOR WRITTEN AUTHORIZATION FROM THE ENGINEER AT NO ADDITIONAL COST TO THE CITY.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING FROM DAMAGE ALL EXISTING AND NEWLY PLACED IMPROVEMENTS THAT ARE TO REMAIN. SUCH IMPROVEMENTS THAT ARE DAMAGED BY THE CONTRACTOR SHALL BE REPLACED AT NO ADDITIONAL COST TO THE CITY.
- THE CONTRACTOR AGREES THAT THEY SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT INCLUDING SAFETY AND SECURITY OF JOB SITE, THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.
- THE CONTRACTOR SHALL MAINTAIN A NEATLY MARKED SET OF FULL-SIZE AS-BUILT DRAWINGS SHOWING THE FINAL LOCATION OF FINAL IMPROVEMENTS. AS-BUILT DRAWINGS SHALL REFLECT CHANGE ORDERS, ACCOMMODATIONS, AND ADJUSTMENTS TO ALL IMPROVEMENTS CONSTRUCTED. WHERE NECESSARY, SUPPLEMENTAL DRAWINGS SHALL BE PREPARED AND SUBMITTED BY THE CONTRACTOR.
- PRIOR TO ACCEPTANCE OF THE PROJECT, THE CONTRACTOR SHALL DELIVER TO THE ENGINEER, ONE SET OF NEATLY MARKED AS-BUILT DRAWINGS. AS-BUILT DRAWINGS SHALL BE REVIEWED AND THE COMPLETE AS-BUILT DRAWING SET SHALL BE CURRENT WITH ALL CHANGES AND DEVIATIONS REDLINED AS A PRECONDITION TO THE FINAL PROGRESS PAYMENT APPROVAL AND/OR FINAL ACCEPTANCE.
- ALL TRENCH EXCAVATION SHALL BE IN ACCORDANCE WITH SECTION 7 OF THE CITY OF STOCKTON STANDARD SPECIFICATIONS.
- THE CONTRACTOR SHALL PROVIDE ALL SHORING, BRACING, SLOPING OR OTHER PROVISIONS NECESSARY TO PROTECT WORKERS FOR ALL AREAS TO BE EXCAVATED TO A DEPTH OF 5' OR MORE. EXCAVATIONS OF 5 FEET OR MORE IN DEPTH WILL REQUIRE AN EXCAVATIONS PERMIT FROM THE STATE OF CALIFORNIA DEPARTMENT OF INDUSTRIAL SAFETY FOR TRENCHES 5 FEET OR MORE IN DEPTH, THE CONTRACTOR SHALL COMPLY WITH SECTION 7-1.02K(6)(b) OF THE CALTRANS STANDARDS, SECTION 6705 OF THE STATE OF CALIFORNIA LABOR CODE, AND ANY LOCAL CODES OR ORDINANCES.
- ATTENTION IS CALLED TO: SECTION 1541(b)(1) OF THE CONSTRUCTION SAFETY ORDERS (CALIFORNIA CODE OF REGULATIONS, TITLE 8), ISSUED BY THE OCCUPATIONAL SAFETY AND HEALTH STANDARDS BOARD PURSUANT TO THE CALIFORNIA OCCUPATIONAL SAFETY AND HEALTH ACT OF 1973, WHICH STATES: "THE APPROXIMATE LOCATION OF SUBSURFACE INSTALLATIONS, SUCH AS SEWER, TELEPHONE, FUEL, ELECTRIC, WATER LINES, OR ANY OTHER SUBSURFACE INSTALLATIONS THAT REASONABLY MAY BE EXPECTED TO BE ENCOUNTERED DURING EXCAVATION WORK, SHALL BE DETERMINED BY THE EXCAVATOR PRIOR TO OPENING AN EXCAVATION."
- PRIOR TO COMMENCING ANY WORK, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO HAVE EACH UTILITY COMPANY LOCATE IN THE FIELD THEIR MAIN AND SERVICE LINES. THE CONTRACTOR SHALL NOTIFY MEMBERS OF THE UNDERGROUND SERVICE ALERT (U.S.A.) 48 HOURS IN ADVANCE OF PERFORMING EXCAVATION WORK BY CALLING THE TOLL-FREE NUMBER (800) 227-2600.
- IT SHALL BE CONTRACTOR'S SOLE RESPONSIBILITY TO PROTECT ALL EXISTING UTILITIES SO THAT NO DAMAGE RESULTS TO THEM DURING THE PERFORMANCE OF HIS CONTRACT. THE CONTRACTOR SHALL BE REQUIRED TO COOPERATE WITH OTHER CONTRACTORS AND UTILITY COMPANIES INSTALLING NEW OR MODIFIED STRUCTURES, UTILITIES AND SERVICES WITHIN THE PROJECT LIMITS.
- THE CONTRACTOR SHALL EXERCISE DUE CAUTION AND SHALL CAREFULLY PRESERVE BENCH MARKS, CONTROL POINTS, REFERENCE POINTS AND ALL SURVEY MONUMENTS, AND SHALL BEAR ALL EXPENSES FOR REPLACEMENT AND/OR ERROR CAUSED BY HIS UNNECESSARY LOSS OR DISTURBANCE. THE CONTRACTOR SHALL CONSULT WITH A LICENSED LAND SURVEYOR OR CIVIL ENGINEER LICENSED TO PRACTICE LAND SURVEYING IN CALIFORNIA PRIOR TO BEGINNING CONSTRUCTION TO ENSURE THAT ANY PRECONSTRUCTION CORNER RECORDS, AS REQUIRED BY THE STATE OF CALIFORNIA PROFESSIONAL LAND SURVEYOR ACT HAVE BEEN FILED WITH THE COUNTY SURVEYOR, PURSUANT TO SECTION 8771(a-f) OF THE CALIFORNIA BUSINESS AND PROFESSION CODE.
- ALL WORK IN THE PUBLIC RIGHT-OF-WAY IS SUBJECT TO THE APPROVAL AND ACCEPTANCE OF THE ENGINEER.
- PRIOR TO PLACEMENT OF ANY FINISH ASPHALT CONCRETE OR CONCRETE, THE CONTRACTOR SHALL VERIFY ALL FINISH GRADES AND SLOPES FOR COMPLIANCE WITH THE AMERICANS WITH DISABILITIES ACT (ADA) AND OBTAIN APPROVAL AND ACCEPTANCE BY THE ENGINEER.
- THE CONTRACTOR SHALL LAYOUT IMPROVEMENTS FROM THE DIMENSIONS SHOWN ON THE PLANS. ANY CLARIFICATION OR CONFLICTS, DISCREPANCIES OR AMBIGUITIES SHALL BE DIRECTED TO THE ENGINEER PRIOR TO THE CONSTRUCTION OF THE IMPROVEMENTS.
- DUST CONTROL SHALL BE PERFORMED AT ALL TIMES, AT THE CONTRACTORS' EXPENSE, TO MINIMIZE ANY DUST NUISANCE AND SHALL BE IN ACCORDANCE WITH SECTION 10-5 OF CALTRANS STANDARD SPECIFICATIONS AND THE REQUIREMENTS OF THE CITY OF STOCKTON.
- THE CONTRACTOR SHALL MAINTAIN ALL EXISTING WATER, SEWER, AND DRAINAGE FACILITIES WITHIN THE CONSTRUCTION AREA UNTIL NEW IMPROVEMENTS ARE IN PLACE AND FUNCTIONING, EXCEPT WHERE OTHERWISE APPROVED.
- INGRESS AND EGRESS BY PROPERTY OWNERS, BUSINESSES, AND OTHERS SHALL BE PROVIDED AT ALL TIMES DURING THE COURSE OF CONSTRUCTION UNLESS OTHERWISE APPROVED OR SPECIFIED.
- SIDEWALK REMOVAL SHALL BE TO THE NEAREST SCORE MARK OR AS DETERMINED BY THE ENGINEER. CONTRACTOR SHALL NEATLY SAW-CUT CONCRETE WHERE PULL BOXES ARE TO BE PLACED AND SHALL RESTORE THE SLAB TO MATCH THE EXISTING CONDITION.
- NEW SIDEWALK SHALL BE DOWELED INTO EXISTING SIDEWALK ACCORDING TO CITY STANDARD DRAWING NO. R-55.

TRAFFIC SIGNAL AND ELECTRICAL NOTES

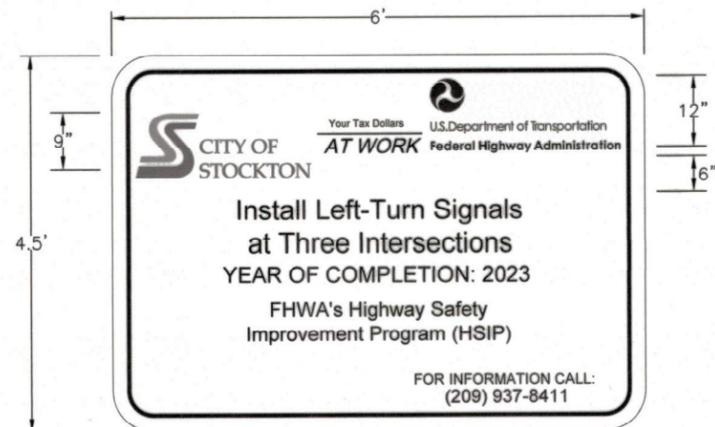
- INSTALLATION OF NEW CONDUCTORS INTO EXISTING CONDUIT SHALL BE IN ACCORDANCE WITH SECTION 77-1.12 OF THE SPECIAL PROVISIONS. PRIOR TO INSTALLATION OF NEW CONDUCTORS/CABLES IN EXISTING CONDUITS, THE CONTRACTOR SHALL USE CABLE LOOSENER TO LOOSEN THE CONDUITS. THE CONTRACTOR SHALL ALSO USE PULLING LUBRICANT FOR PULLING WIRES, AND A PULL TAPE CONFORMING TO THE PROVISION DESCRIBED UNDER 'CONDUIT', ELSEWHERE IN THE SPECIAL PROVISIONS.
- POLES, PULL BOXES, DETECTOR HANDHOLES, INDUCTIVE LOOPS AND CONTROLLER CABINET LOCATIONS SHALL BE LOCATED IN THE FIELD BY THE CONTRACTOR WITH THE APPROVAL OF THE CITY TRAFFIC ENGINEER. TYPICALLY, DETECTOR HANDHOLES SHOULD BE INSTALLED ON LANE LINES.
- CONTRACTOR SHALL MEET GENERAL ORDER (G.O.) 95 REQUIREMENTS AND LOCATE FOUNDATIONS SO AS TO PROVIDE A MINIMUM OF 6' RADIAL CLEARANCE FROM ALL EQUIPMENT TO OVERHEAD POWER LINES (PRIMARY) AND A MINIMUM OF 3' RADIAL CLEARANCE TO COMMON NEUTRAL LINES. SIGNAL POLES SHALL BE LOCATED TO PROVIDE A MINIMUM OF 10' RADIAL CLEARANCE TO PRIMARY LINES. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY COSTS ASSOCIATED WITH WORKING WITHIN THE 10' RADIAL CLEARANCE ZONE.
- CONDUIT ROUTING SHOWN IS DIAGRAMMATICALLY. CONTRACTOR SHALL LAYOUT RUNS TO SUIT FIELD CONDITIONS AND THE COORDINATION REQUIREMENTS OF UTILITIES OR ANY OTHER TRADES, AND TO THE SATISFACTION OF THE CITY OF STOCKTON. UPON COMPLETION OF CONDUIT INSTALLATION, THE ACTUAL LOCATION OF THE CONDUITS SHALL BE NOTED ON AN AS-BUILT SET OF PRINTS AND FURNISHED TO THE CITY.
- LABEL PEDESTRIAN AND SIGNAL COMMONS SEPARATELY IN THE CONTROLLER CABINET.
- ALL INFRARED EMERGENCY VEHICLE PREEMPTION (EVP)/TRANSIT SIGNAL PRIORITY (TSP) DETECTORS SHALL BE MOUNTED VERTICALLY.
- EXISTING TRAFFIC SIGNAL SYSTEMS SHALL BE KEPT IN OPERATION DURING THE PROGRESS OF THE WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF THE ENTIRE EXISTING SIGNAL SYSTEM FROM THE FIRST DAY CONTRACTOR STARTS WORKING ON THE PROJECT TO THE FINAL ACCEPTANCE.
- THE CONTRACTOR SHALL NOTIFY THE ENGINEER AT LEAST THREE (3) WORKING DAYS IN ADVANCE OF ANY REQUESTED SIGNAL SHUT-DOWN FOR REPLACEMENT OF THE CONTROLLER CABINET ASSEMBLY, RE-WIRING OF THE TRAFFIC SIGNAL, ETC. ALL REQUESTED SIGNAL SHUT-DOWNS ARE SUBJECT TO CITY APPROVAL. CONTRACTOR SHALL HAVE A PRE-APPROVED TRAFFIC CONTROL PLAN FROM THE CITY TRAFFIC ENGINEERING DIVISION BEFORE SCHEDULING SIGNAL SHUT-DOWN. TRAFFIC SIGNAL SHUT-DOWNS SHALL BE LIMITED TO PERIODS BETWEEN THE HOURS OF 9:00 AM AND 3:30 PM ON TUESDAYS THROUGH THURSDAYS ONLY (EXCLUDING HOLIDAYS), UNLESS GIVEN PRIOR APPROVAL FROM THE CITY TRAFFIC ENGINEER.
- FLASHING INDICATIONS SHALL FLASH IN RED ON ALL PHASES.

STRIPING AND SIGNAGE NOTES

- THE CONTRACTOR SHALL PROVIDE ALL LIGHTS, BARRICADES, SIGNS, FLAGMEN OR OTHER DEVICES NECESSARY FOR PUBLIC SAFETY.
- THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL AND/OR DETOUR PLAN FOR APPROVAL BY THE CITY OF STOCKTON TRAFFIC ENGINEER PRIOR TO THE START OF CONSTRUCTION.
- ALL PAVEMENT MARKINGS, STRIPING AND CROSSWALKS SHALL BE THERMOPLASTIC.
- STRIPING SHALL BE IN STRICT CONFORMANCE WITH THE CA-MUTCD (LATEST EDITION) AND THE SPECIAL PROVISIONS SECTION 84. LONGITUDINAL STRIPING EXCLUDED, PAVEMENT MARKINGS SHALL CONFORM TO THE CALTRANS SPECIFICATIONS (LATEST EDITION) SECTION 84 AND THE CA-MUTCD (LATEST EDITION).
- SIGNING SHALL CONFORM TO THE CA-MUTCD (LATEST EDITION) AND CALTRANS SPECIFICATIONS (LATEST EDITION) SECTION 82.
- REMOVAL OF EXISTING PAVEMENT MARKINGS SHALL BE REMOVED BY GRINDING PER CALTRANS STANDARD SPECIFICATIONS SECTION 84-9.
- CONTRACTOR SHALL INSTALL A BLUE REFLECTOR ON FIRE HYDRANT SIDE AT ALL FIRE HYDRANT LOCATIONS PER CA-MUTCD, SECTION 3B.11 AND FIGURE 3B-102.
- THE CONTRACTOR SHALL NOTIFY THE ENGINEER A MINIMUM OF TWO (2) WORKING DAYS IN ADVANCE TO VERIFY THE LAYOUT AND CAT-TRACKING OF THE PROPOSED IMPROVEMENTS. CAT-TRACKING TO BE APPROVED BY TRAFFIC ENGINEERING PRIOR TO FINAL ACCEPTANCE OF STRIPING AND PAVEMENT MARKINGS.
- THE CONTRACTOR SHALL ENSURE THAT THE APPROPRIATE STRIPING AND PAVEMENT MARKINGS ARE IN PLACE AT ALL TIMES. TEMPORARY STRIPING AND/OR PAVEMENT MARKINGS SHALL BE INSTALLED TO REPLACE ANY EXISTING STRIPING OR MARKINGS WHICH HAVE BEEN REMOVED. ANY CONFLICTING STRIPING SHALL BE REMOVED IMMEDIATELY BY THE CONTRACTOR PRIOR TO REOPENING THE STREET TO TRAFFIC.
- THE CONTRACTOR SHALL REMOVE ANY EXISTING SIGNS IN CONFLICT WITH THESE PLANS AS DIRECTED BY THE CITY TRAFFIC ENGINEER. EXISTING STRIPING AND MARKINGS IN CONFLICT WITH THESE PLANS SHALL BE REMOVED BY THE CONTRACTOR. PAVEMENT SHALL BE REPAIRED IF DAMAGED IN CONJUNCTION WITH REMOVAL OF MARKERS.
- R30E (CA) 'NO PARKING' SIGNS ARE TO BE INSTALLED AT A 45° ANGLE FACING DIRECTION OF TRAFFIC FLOW. SIGN SIZE SHALL BE 18" X 24".
- ALL DIMENSIONS SHOWN ARE FROM FACE OF CURB, UNLESS OTHERWISE NOTED.
- THE CONTRACTOR SHALL REPLACE ANY PAVEMENT DELINEATION AND TRAFFIC MARKINGS THAT ARE DAMAGED DURING THE COURSE OF WORK AT NO ADDITIONAL COST TO THE CITY.

TRAFFIC STAGING NOTES

- THE CONTRACTOR SHALL MAINTAIN ALL TRAFFIC CONTROL DEVICES AT ALL TIMES.
- ALL TRAFFIC CONTROL DEVICES SHALL BE REMOVED FROM VIEW WHEN NOT IN USE.
- THE ENGINEER HAS THE AUTHORITY TO INITIATE FIELD CHANGES AS NECESSARY IN THE INTEREST OF PUBLIC SAFETY.
- ROAD CLOSURES SHALL REQUIRE WRITTEN APPROVAL FROM THE ENGINEER.
- ALL NIGHT WORK WILL REQUIRE WRITTEN APPROVAL FROM THE ENGINEER. LANE CLOSURES, ROAD DETOURS, ROAD CLOSURES, AND TRAFFIC SIGNAL MODIFICATIONS ASSOCIATED WITH OVERNIGHT CONSTRUCTION ACTIVITIES WILL REQUIRE WARNING SIGNS BE PLACED AT LEAST ONE WEEK IN ADVANCE OF STARTING CONSTRUCTION.
- CONTRACTOR SHALL PROVIDE ADEQUATE TEMPORARY LIGHTING DURING THE COURSE OF ALL NIGHT WORK.
- ALL WORKERS SHALL BE EQUIPPED WITH AN ORANGE SAFETY VEST (OR REFLECTIVE VEST AT NIGHT).
- TRENCHES MUST BE BACKFILLED OR PLATED DURING NON-WORKING HOURS.
- REFER TO SECTION 12 OF THE SPECIAL PROVISIONS REGARDING TEMPORARY ACCESS ROUTES FOR PEDESTRIANS (INCLUDING ADA) AND BICYCLISTS.
- TEMPORARY 'NO PARKING' SIGNS SHALL BE POSTED THREE (3) WORKING DAYS PRIOR TO COMMENCING WORK.
- ACCESS TO DRIVEWAYS SHALL BE MAINTAINED AT ALL TIMES UNLESS OTHER ARRANGEMENTS ARE MADE. SIGNS ON ROADWAY SHALL NOT BLOCK DRIVEWAY.
- TRAFFIC CONTROL PLANS SHOWN HEREON ARE FOR GUIDANCE ONLY. CONTRACTOR SHALL PREPARE TRAFFIC CONTROL PLANS IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS. TO BE SUBMITTED FOR REVIEW AND APPROVAL PRIOR TO COMMENCING WORK.



PROJECT INFORMATION SIGN
N.T.S.

INSTALL LEFT-TURN SIGNALS AT THREE INTERSECTIONS

GENERAL NOTES

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

DATE: 06/16/2022	APPROVED BY: <i>[Signature]</i> DATE: 8/31/22	SHEET NO. GN-01
SCALE: NONE	DRAWN BY: MEW/TG	SHEET 2 OF 20
DESIGNED BY: JEA	CHECKED BY: JEA	PROJECT NO. WT19001



NO.	DESCRIPTION	CHECKED BY	CITY APPROVAL	
			APPROVED BY	DATE

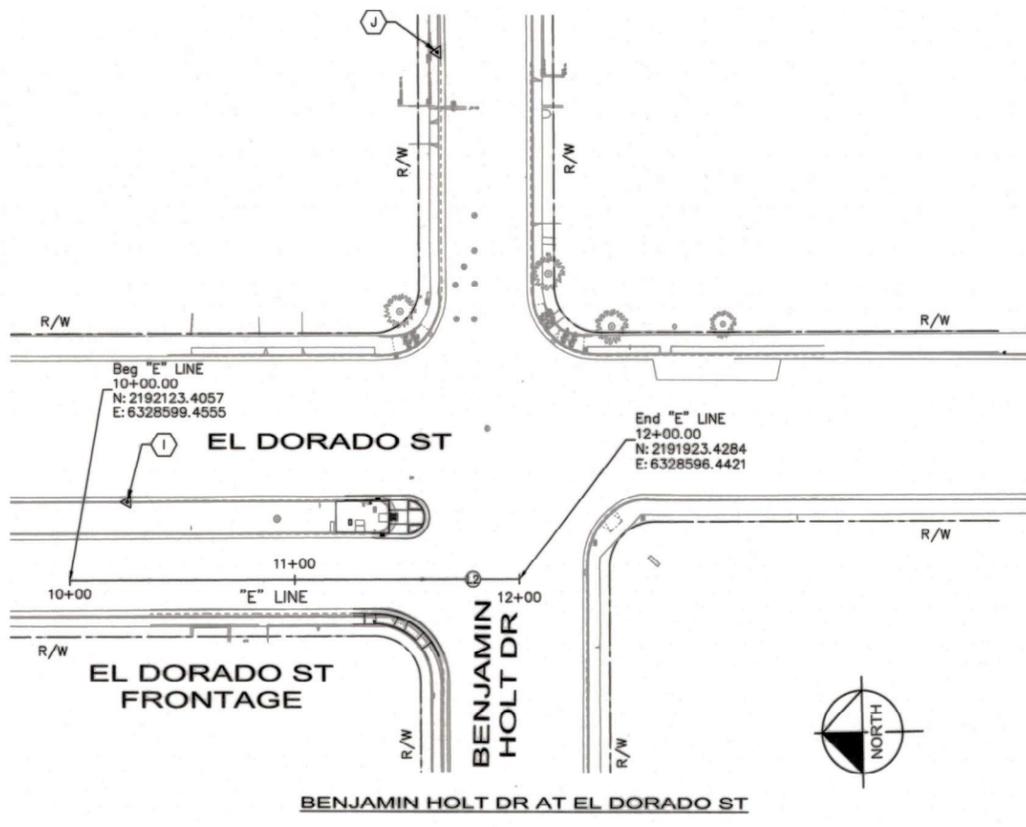
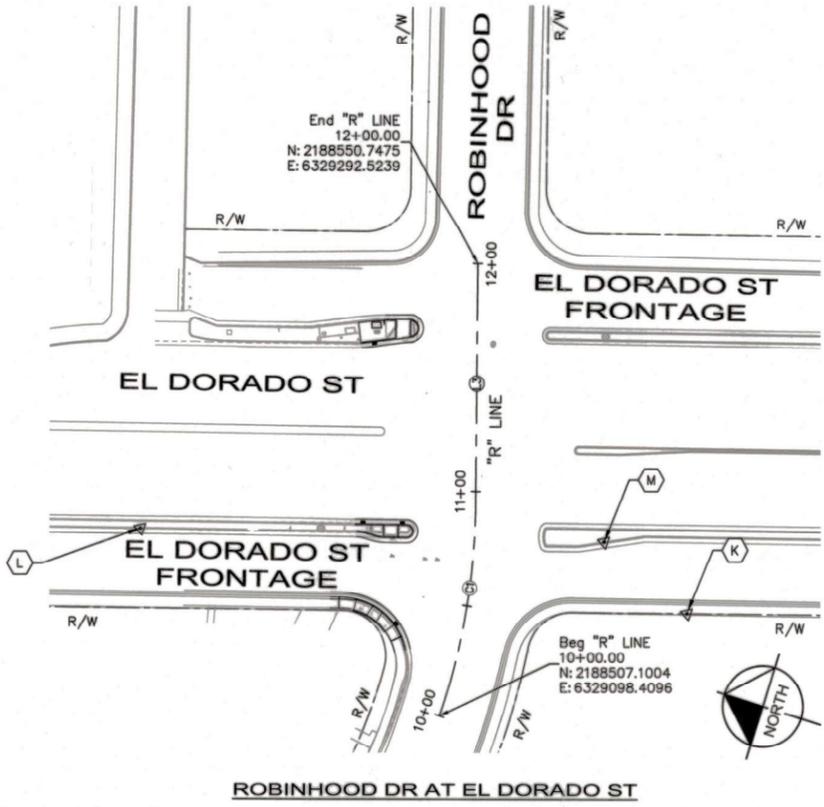
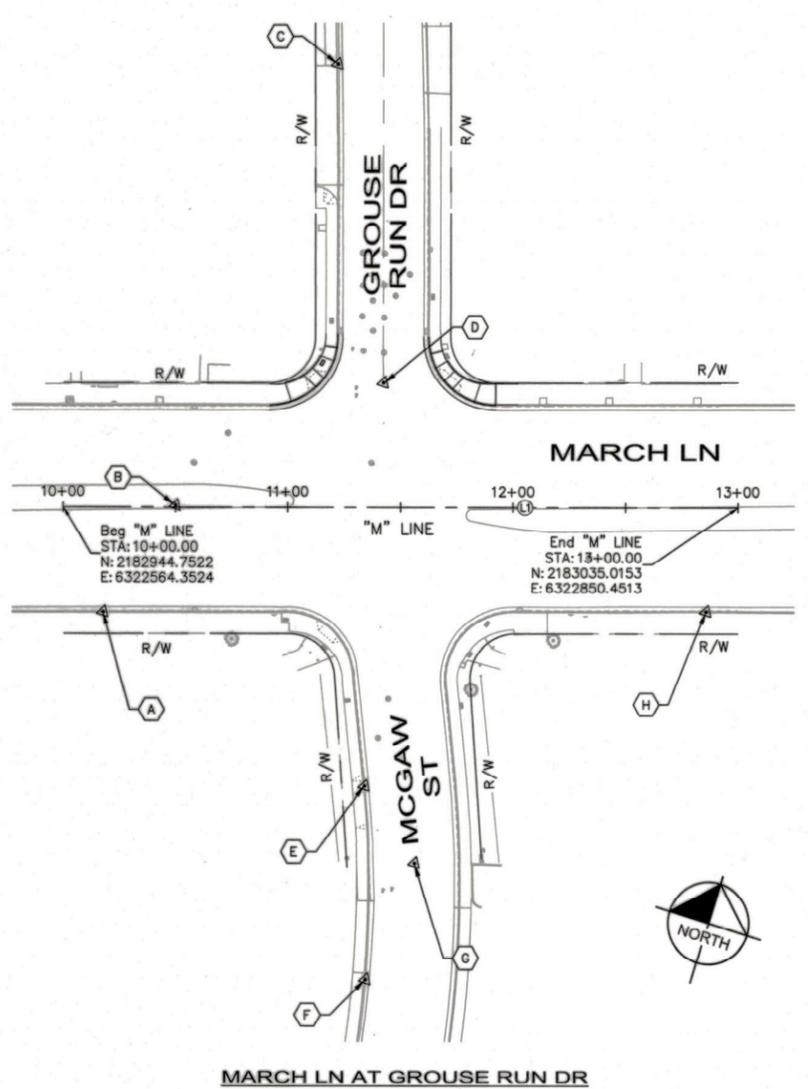
Kimley»Horn

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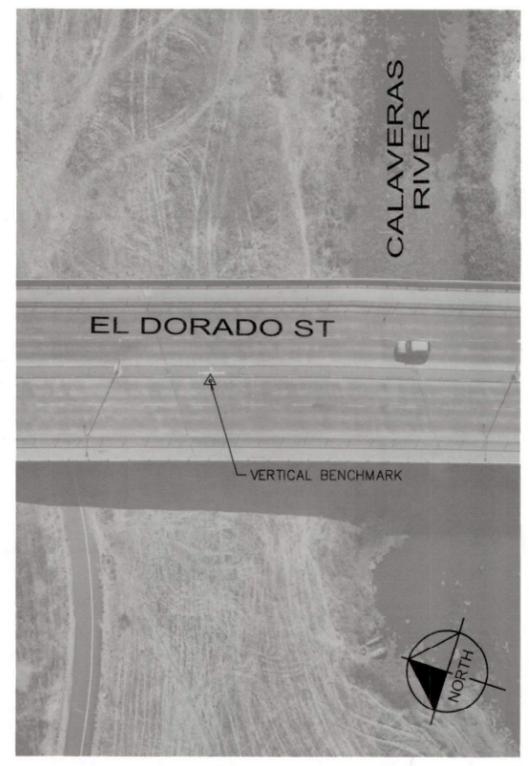
DESIGNED UNDER THE SUPERVISION OF:

[Signature]
KEVIN G. AGUIQUI
R.C.E. No. 048732, EXP. 9/30/22





- NOTES:**
1. THE HORIZONTAL BASIS OF BEARINGS IS BASED ON CITY OF STOCKTON, CALIFORNIA STATE PLANE COORDINATES, ZONE 3, NATIONAL GEODETIC SURVEY CONTROL, PID HS4763, FOUND BRASS CAP STAMPED STOCKTON SOUTHWEST BASE 1954, EPOCH DATE 2010.
 2. THE VERTICAL BENCHMARK IS BASED ON THE CITY OF STOCKTON BM #17 BRASS DISK MARKING COS MONUMENT STAMPED "1S-2" IN THE CENTER ISLAND OF EL DORADO ST. BRIDGE OVER THE CALAVERAS RIVER. ELEVATION = 32.18 NAVD88.



VERTICAL BENCHMARK LOCATION

POINT TABLE							
POINT	NORTHING	EASTING	STATION	OFFSET	ALIGNMENT	ELEVATION	DESCRIPTION
A	2182906.58	6322595.04	10+17.78	45.63'RT	"M" LINE	7.57	SET CH X
B	2182960.74	6322611.94	10+50.20	0.93'LT	"M" LINE	9.10	FD NAIL/WASHER STAMPED EBMUD MON
C	2183167.78	6322621.50	11+21.61	195.50'LT	"M" LINE	7.29	SET CH X
D	2183039.81	6322683.36	11+42.09	54.84'LT	"M" LINE	6.92	FD IRON ROD IN HNDWL
E	2182868.47	6322728.88	11+33.95	122.25'RT	"M" LINE	7.85	FD BRASS CAP NO MARKINGS
F	2182788.33	6322754.83	11+34.58	206.48'RT	"M" LINE	7.85	SET CH X
G	2182842.92	6322760.39	11+56.31	156.10'RT	"M" LINE	7.53	FD IRON ROD IN HNDWL
H	2182987.60	6322850.54	12+85.82	45.24'RT	"M" LINE	7.96	SET CH X
I	2192097.18	6328633.41	10+25.72	34.35'LT	"E" LINE	15.86	SET CH X
J	2191955.70	6328828.20	11+64.24	231.25'LT	"E" LINE	16.02	SET CH X
K	2188415.90	6329174.62	10+59.42	97.29'RT	"R" LINE	15.24	FD CH X
L	2188658.67	6329136.46	10+69.34	148.33'LT	"R" LINE	16.28	SET CH X
M	2188460.56	6329193.19	10+81.35	57.54'RT	"R" LINE	15.87	SET CH X

CURVE TABLE				
CURVE	LENGTH	DELTA	RADIUS	TANGENT
C1	91.16'	17°24'34"	300.00'	45.93'

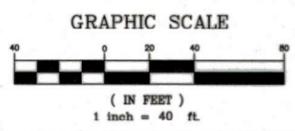
LINE TABLE			
LINE	DESCRIPTION	LENGTH	BEARING
L1	"M" LINE	300.00	N72°29'22.97"E
L2	"E" LINE	200.00	S0°51'47.92"W
L3	"R" LINE	108.84	N72°58'47.37"E

INSTALL LEFT-TURN SIGNALS AT THREE INTERSECTIONS

HORIZONTAL CONTROL

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

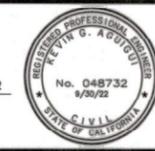
DATE: 06/16/2022	SCALE: AS NOTED	APPROVED BY: <i>[Signature]</i>	DATE: 6/16/22	SHEET NO. HC-01
DRAWN BY: HHW	DESIGNED BY: HHW	CHECKED BY: JEP	CITY ENGINEER	PROJECT NO. WT19001



NO.	DESCRIPTION	CHECKED BY	CITY APPROVAL APPROVED BY	DATE

Kimley»Horn
1300 Clay Street, Suite 325
Oakland, California 94612
Phone: (510) 625-0712

DESIGNED UNDER THE SUPERVISION OF:
[Signature]
KEVIN G. AGUIGUI
R.C.E. No. 048732, EXP. 9/30/22



5502.7 C

DEMOLITION NOTES

- 2 EXISTING TO REMAIN.
- 5 SEE TS-SHEETS FOR DETAILS.
- 9 PROTECT IN PLACE.

CONSTRUCTION NOTES

- 1 VERTICAL CURB AND GUTTER PER CITY OF STOCKTON DWG R-52.
- 2 SIDEWALK PER CITY OF STOCKTON STD DWG R-50.
- 4 CURB RAMP PER CITY OF STOCKTON DWG R-65.

LEGEND:

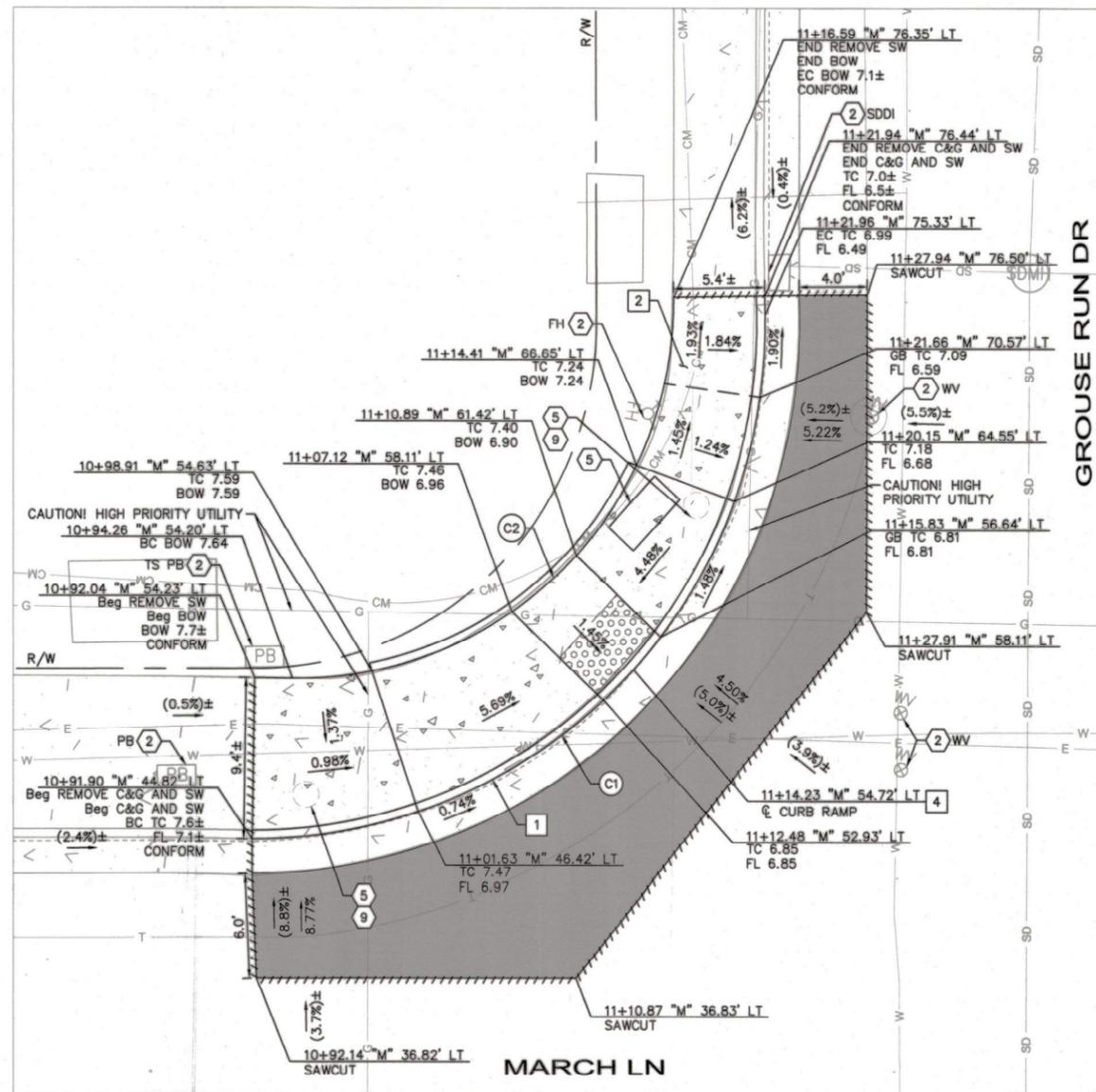
- 6" CONCRETE
- 4" CLASS II AB
- HMA PAVEMENT (12" DEPTH)
- DETECTABLE WARNING SURFACE (DWS)
- SAWCUT
- GRADE BREAK
- RIGHT OF WAY
- PROPOSED GRADE
- APPROXIMATE EXISTING GRADE

NOTES:

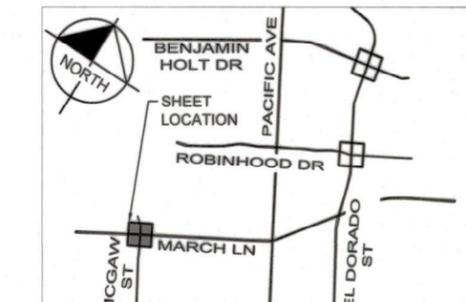
1. AT LOCATIONS WHERE R/W IS NOT IDENTIFIED, EXISTING BACK OF WALK SHALL BE ASSUMED AS RIGHT OF WAY LIMITS.
2. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL EXISTING IMPROVEMENTS THAT ARE IN CONFLICT WITH THE PROPOSED IMPROVEMENTS, INCLUDING THOSE NOT SPECIFICALLY REFERENCED IN THESE PLANS, UNLESS NOTED TO BE DONE BY OTHERS.
3. THERE ARE EXISTING UTILITY CROSSINGS IN CLOSE PROXIMITY TO THE PROPOSED WORK. THE CONTRACTOR SHALL FIELD LOCATE EXISTING UTILITIES AND NOTIFY THE ENGINEER OF ANY CONFLICTS WITH THE PROPOSED WORK PRIOR TO THE START OF CONSTRUCTION.
4. ALL UTILITY PIPES, DUCTS, BOXES, VAULTS, AND STRUCTURES TO REMAIN UNLESS OTHERWISE NOTED.
5. EXISTING SURFACE EQUIPMENT (TRAFFIC SIGNAL POLES, BOXES, FIRE HYDRANTS, JOINT UTILITY POLES, etc.) TO REMAIN UNLESS OTHERWISE NOTED.
6. UNLESS OTHERWISE NOTED, PEDESTRIAN CURB RAMPS TO BE CONSTRUCTED PER CITY OF STOCKTON DWG R-65.
7. SLOPE LABELS ARE SHOWN FOR REFERENCE ONLY, AND ARE NOT TO BE USED FOR CONSTRUCTION PURPOSES.
8. EXISTING SIDEWALK, CURB, AND GUTTER REMOVAL LIMITS AS SHOWN ON THESE PLANS ARE INTENDED TO BE LOCATED AT WEAKENED PLANE JOINT OR SCOREMARK. CONTRACTOR TO FIELD VERIFY AND NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO THE START OF CONSTRUCTION. SAWCUT PCC TO A DEPTH SUFFICIENT TO COMPLETE CUT THROUGH EXISTING PCC.
9. SAWCUT AND REMOVE PAVEMENT SECTION TO 12" DEPTH TO A NEAT LINE WITHOUT DAMAGING EXISTING AC OR CONCRETE THAT IS TO REMAIN. ANY DAMAGE TO THE ADJACENT SURFACE MATERIAL TO REMAIN MUST BE REPAIRED OR REPLACED TO A CONDITION SATISFACTORY TO THE ENGINEER AT THE CONTRACTOR'S EXPENSE.
10. ALL PAVEMENT MARKINGS AND STRIPING IN CONFLICT SHALL BE REMOVED. SEE SS-SHEETS FOR SIGNING AND STRIPING DETAILS.
11. SEE SD-SHEETS FOR DRAINAGE INFRASTRUCTURE DETAILS.
12. SEE TS-SHEETS FOR TRAFFIC SIGNAL IMPROVEMENT DETAILS.

CURVE TABLE				
CURVE	RADIUS	LENGTH	DELTA	TANGENT
C1	30.00'	47.70'	91°05'54"	30.58'
C2	22.00'	35.03'	91°14'11"	22.48'

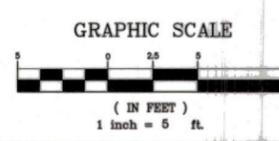
NOTE: CURVE TABLE INFORMATION SHOWN FOR THIS SHEET ONLY.



**MARCH LN AT GROUSE RUN DR
NW CORNER: RAMP CONSTRUCTION DETAILS**



LOCATION MAP



NO.	DESCRIPTION	CHECKED BY	CITY APPROVAL

Kimley»Horn
 1300 Clay Street, Suite 325
 Oakland, California 94612
 Phone: (510) 625-0712

DESIGNED UNDER THE SUPERVISION OF:

 KEVIN G. AGUIQUI
 R.C.E. No. 048732, EXP. 9/30/22

DATE: 06/16/2022

INSTALL LEFT-TURN SIGNALS AT THREE INTERSECTIONS

CONSTRUCTION DETAILS

DEPARTMENT OF PUBLIC WORKS
 CITY OF STOCKTON, CALIFORNIA

DATE: 06/16/2022
 SCALE: AS NOTED
 DRAWN BY: HHW
 DESIGNED BY: HHW
 CHECKED BY: JEP

APPROVED BY:
 DATE: 6/16/22

SHEET NO.
CD-02
 SHEET 5 OF 20
 PROJECT NO.
 WT19001

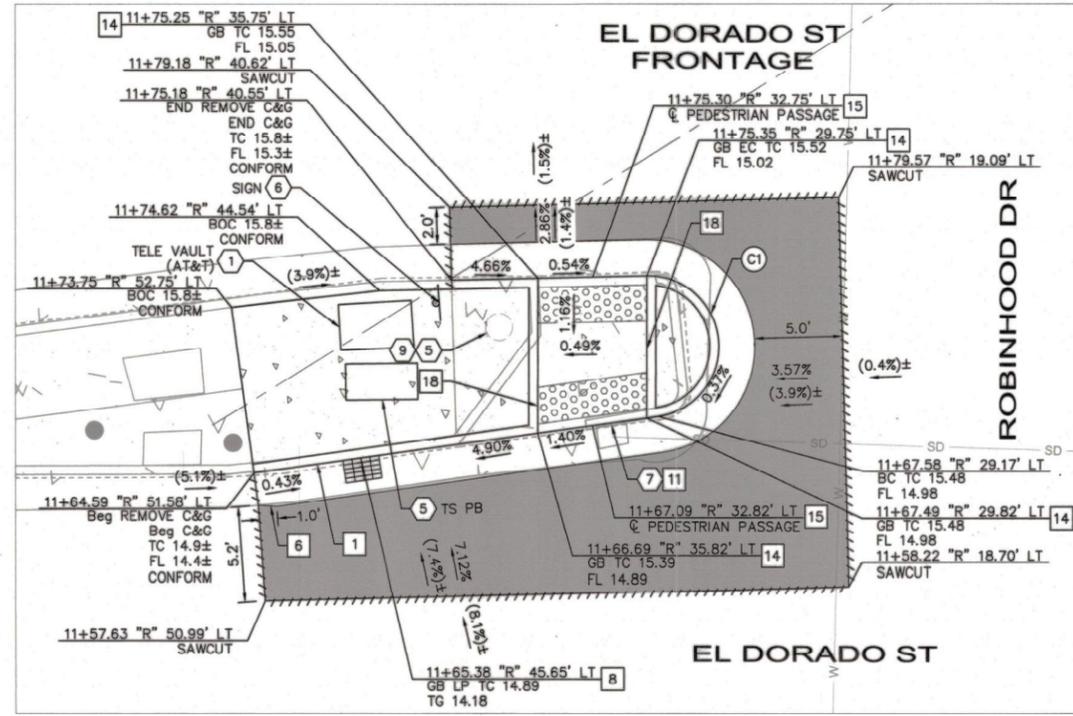
5502.4 C

DEMOLITION NOTES

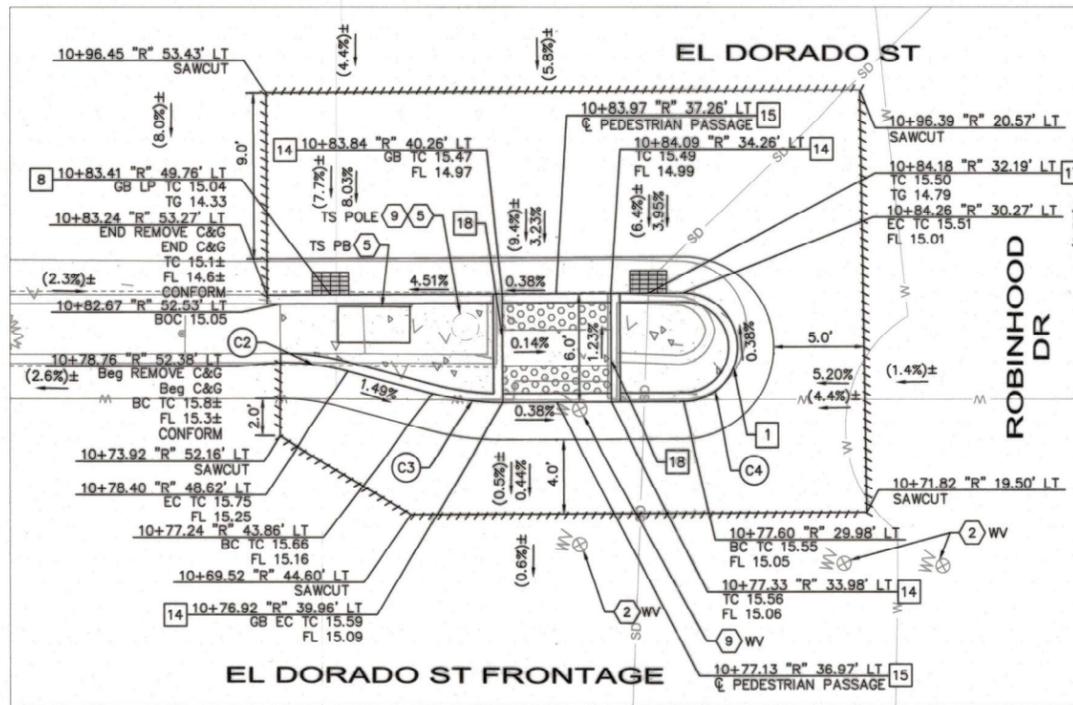
- 1 ADJUST TO GRADE BY PRIVATE UTILITY COMPANY INDICATED ON PLANS.
- 2 EXISTING TO REMAIN.
- 5 SEE TS-SHEETS FOR DETAILS.
- 6 RESET.
- 7 REMOVE EXISTING INLET.
- 9 PROTECT IN PLACE.

CONSTRUCTION NOTES

- 1 VERTICAL CURB AND GUTTER PER CITY OF STOCKTON DWG R-52.
- 6 CONSTRUCT GUTTER TRANSITION TO MATCH STANDARD CITY GUTTER WIDTH TO EXISTING GUTTER WIDTH. TRANSITION LENGTH NOTED PER PLANS.
- 8 TYPE 2 CURB INLET CATCH BASIN PER CITY OF STOCKTON STD DWG D-8. SEE SD-SHEET FOR DETAILS.
- 11 INSTALL CONCRETE PIPE COLLAR TO CONNECT EXISTING STORM DRAIN PIPE TO PROPOSED PIPE. SEE SD-SHEET FOR DETAILS.
- 14 ALL CURB CORNERS TO BE ROUNDED USING A 0.5' RADIUS.
- 15 TYPE A ISLAND PASSAGEWAY PER CALTRANS 2018 STANDARD PLAN A88B.
- 17 RECONSTRUCT STORM DRAIN INLET TOP TO TYPE 2 CURB INLET CATCH BASIN PER CITY OF STOCKTON STD DWG D-8. SEE SD-SHEET FOR DETAILS.
- 18 MODIFIED 6" TYPE "B" VERTICAL CURB PER CITY OF STOCKTON STD R-54.



**EL DORADO ST AT ROBINHOOD DR
NE MEDIAN: PEDESTRIAN PASSAGE CONSTRUCTION DETAILS**



**EL DORADO ST AT ROBINHOOD DR
NW MEDIAN: PEDESTRIAN PASSAGE CONSTRUCTION DETAILS**

LEGEND:

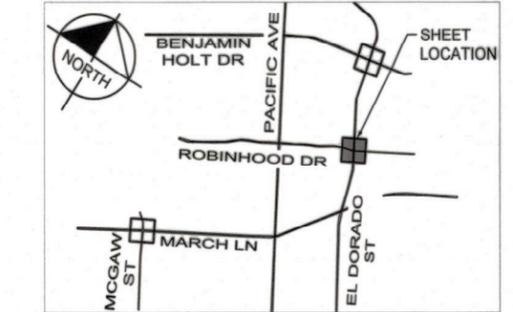
- 6" CONCRETE
- 4" CLASS II AB
- HMA PAVEMENT (12" DEPTH)
- DETECTABLE WARNING SURFACE (DWS)
- SAWCUT
- GRADE BREAK
- RIGHT OF WAY
- PROPOSED GRADE
- APPROXIMATE EXISTING GRADE

NOTES:

- 1. AT LOCATIONS WHERE R/W IS NOT IDENTIFIED, EXISTING BACK OF WALK SHALL BE ASSUMED AS RIGHT OF WAY LIMITS.
- 2. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL EXISTING IMPROVEMENTS THAT ARE IN CONFLICT WITH THE PROPOSED IMPROVEMENTS, INCLUDING THOSE NOT SPECIFICALLY REFERENCED IN THESE PLANS, UNLESS NOTED TO BE DONE BY OTHERS.
- 3. THERE ARE EXISTING UTILITY CROSSINGS IN CLOSE PROXIMITY TO THE PROPOSED WORK. THE CONTRACTOR SHALL FIELD LOCATE EXISTING UTILITIES AND NOTIFY THE ENGINEER OF ANY CONFLICTS WITH THE PROPOSED WORK PRIOR TO THE START OF CONSTRUCTION.
- 4. ALL UTILITY PIPES, DUCTS, BOXES, VAULTS, AND STRUCTURES TO REMAIN UNLESS OTHERWISE NOTED.
- 5. EXISTING SURFACE EQUIPMENT (TRAFFIC SIGNAL POLES, BOXES, FIRE HYDRANTS, JOINT UTILITY POLES, etc.) TO REMAIN UNLESS OTHERWISE NOTED.
- 6. UNLESS OTHERWISE NOTED, PEDESTRIAN CURB RAMPS TO BE CONSTRUCTED PER CITY OF STOCKTON DWG R-65.
- 7. SLOPE LABELS ARE SHOWN FOR REFERENCE ONLY, AND ARE NOT TO BE USED FOR CONSTRUCTION PURPOSES.
- 8. EXISTING SIDEWALK, CURB, AND GUTTER REMOVAL LIMITS AS SHOWN ON THESE PLANS ARE INTENDED TO BE LOCATED AT WEAKENED PLANE JOINT OR SCOREMARK. CONTRACTOR TO FIELD VERIFY AND NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO THE START OF CONSTRUCTION. SAWCUT PCC TO A DEPTH SUFFICIENT TO COMPLETE CUT THROUGH EXISTING PCC.
- 9. SAWCUT AND REMOVE PAVEMENT SECTION TO 12" DEPTH TO NEAT LINE WITHOUT DAMAGING EXISTING AC OR CONCRETE THAT IS TO REMAIN. ANY DAMAGE TO THE ADJACENT SURFACE MATERIAL TO REMAIN MUST BE REPAIRED OR REPLACED TO A CONDITION SATISFACTORY TO THE ENGINEER AT THE CONTRACTOR'S EXPENSE.
- 10. ALL PAVEMENT MARKINGS AND STRIPING IN CONFLICT SHALL BE REMOVED. SEE SS-SHEETS FOR SIGNING AND STRIPING DETAILS.
- 11. SEE SD-SHEETS FOR DRAINAGE INFRASTRUCTURE DETAILS.
- 12. SEE TS-SHEETS FOR TRAFFIC SIGNAL IMPROVEMENT DETAILS.

CURVE TABLE				
CURVE	RADIUS	LENGTH	DELTA	TANGENT
C1	3.90'	11.79'	173°16'55"	66.45'
C2	15.00'	3.78'	14°25'35"	1.90'
C3	15.00'	3.91'	14°57'09"	1.97'
C4	3.00'	9.42'	180°00'00"	INFINITY'

NOTE: CURVE TABLE INFORMATION SHOWN FOR THIS SHEET ONLY.



LOCATION MAP
NTS

INSTALL LEFT-TURN SIGNALS AT THREE INTERSECTIONS

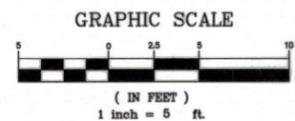
CONSTRUCTION DETAILS

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

DATE: 06/16/2022
SCALE: AS NOTED
DRAWN BY: HHW
DESIGNED BY: HHW
CHECKED BY: JEP

APPROVED BY: [Signature]
DATE: 9/3/22

SHEET NO.
CD-04
SHEET 7 OF 20
PROJECT NO.
WT19001



NO.	DESCRIPTION	CHECKED BY	CITY APPROVAL APPROVED BY DATE

Kimley»Horn

1300 Clay Street, Suite 325
Oakland, California 94612
Phone: (510) 625-0712

DESIGNED UNDER THE SUPERVISION OF:

[Signature]
KEVIN G. AGUIQUI
R.C.E. No. 048732, EXP. 9/30/22

DATE: 06/16/2022

REGISTERED PROFESSIONAL ENGINEER
KEVIN G. AGUIQUI
No. 048732
9/30/22
STATE OF CALIFORNIA

Jun 16, 2022 - 3:46pm - USER: Joseph.Cerro
 K:\WORK\190702025 - stockton\190702025.dwg

CA: 1-800-227-2600

CALL BEFORE YOU DIG

UNDERGROUND SERVICE ALERT

CA: 1-800-227-2600
CALL TWO WORKING DAYS BEFORE YOU DIG

5502.6C

DEMOLITION NOTES

- 1 ADJUST TO GRADE BY PRIVATE UTILITY COMPANY INDICATED ON PLANS.
- 2 EXISTING TO REMAIN.
- 3 SEE SS-SHEETS FOR DETAILS.
- 5 SEE TS-SHEETS FOR DETAILS.
- 7 REMOVE EXISTING INLET.
- 9 PROTECT IN PLACE.

CONSTRUCTION NOTES

- 1 VERTICAL CURB AND GUTTER PER CITY OF STOCKTON DWG R-52.
- 6 CONSTRUCT GUTTER TRANSITION TO MATCH STANDARD CITY GUTTER WIDTH TO EXISTING GUTTER WIDTH. TRANSITION LENGTH NOTED PER PLANS.
- 9 MODIFIED CAST-IN-PLACE TYPE 2 MAINTENANCE HOLE PER CITY OF STOCKTON STD S-12. SEE SD-SHEET FOR DETAILS.
- 13 MODIFIED 4" VERTICAL CURB AND GUTTER PER CITY OF STOCKTON DWG R-52.
- 14 ALL CURB CORNERS TO BE ROUNDED USING A 0.5' RADIUS.
- 15 TYPE A ISLAND PASSAGEWAY PER CALTRANS 2018 STANDARD PLAN A88B.
- 18 MODIFIED 6" TYPE "B" VERTICAL CURB PER CITY OF STOCKTON STD R-54.
- 19 MODIFIED 4" TYPE "B" VERTICAL CURB PER CITY OF STOCKTON STD R-54.
- 20 MODIFIED TYPE 2 CURB INLET CATCH BASIN WITH 3.0' APRON WINGS PER CITY OF STOCKTON STD DWG D-8. SEE SD-SHEET FOR DETAILS.

LEGEND:

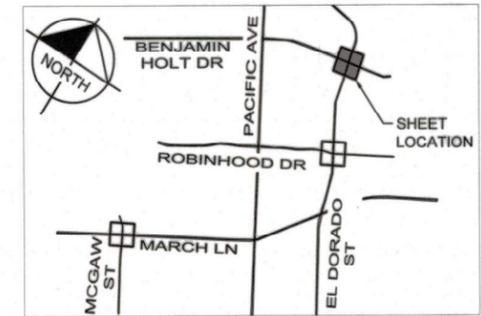
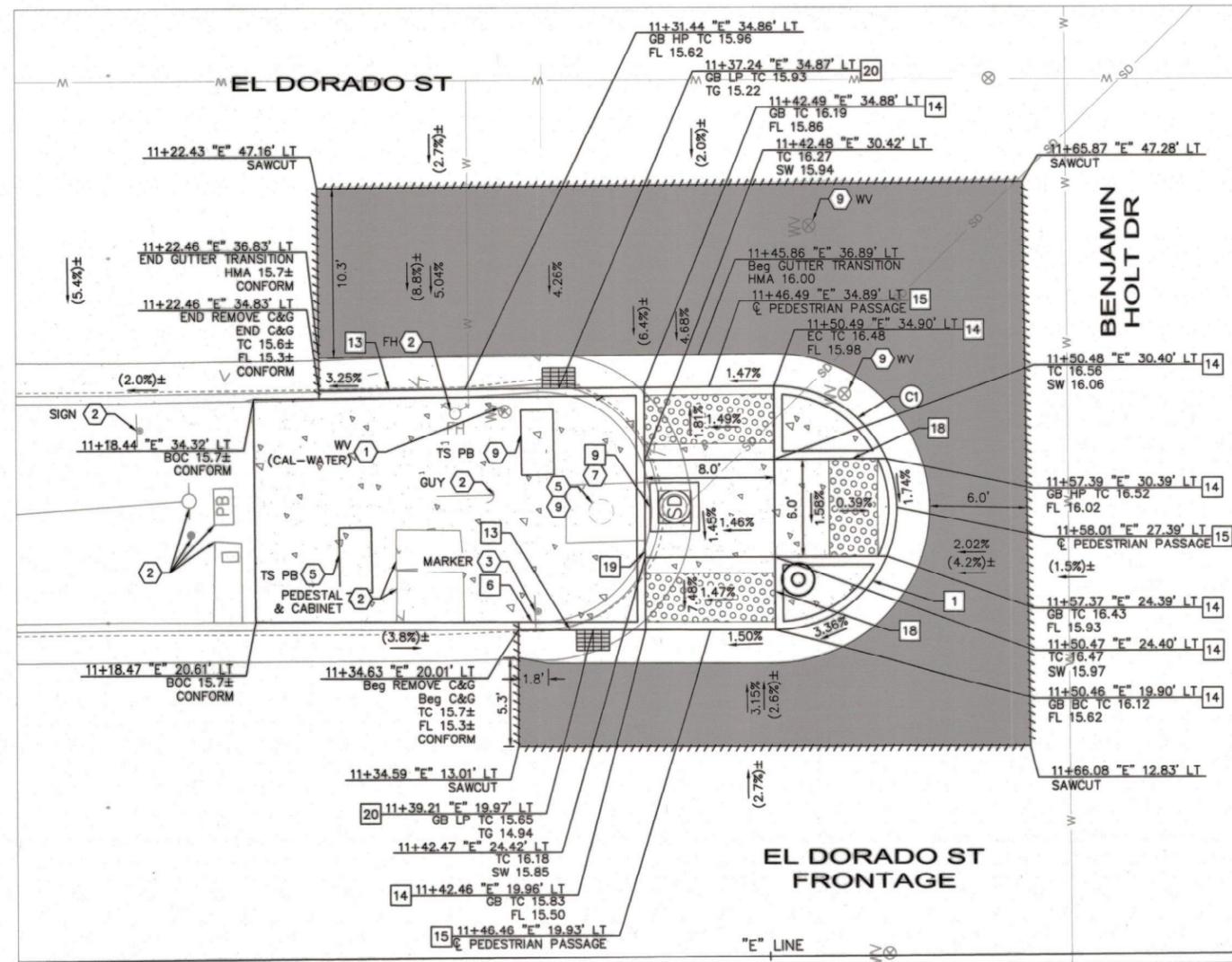
- 6" CONCRETE
- 4" CLASS II AB
- HMA PAVEMENT (12" DEPTH)
- DETECTABLE WARNING SURFACE (DWS)
- SAWCUT
- GRADE BREAK
- RIGHT OF WAY
- PROPOSED GRADE
- APPROXIMATE EXISTING GRADE

NOTES:

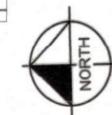
- 1. AT LOCATIONS WHERE R/W IS NOT IDENTIFIED, EXISTING BACK OF WALK SHALL BE ASSUMED AS RIGHT OF WAY LIMITS.
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- 4. ALL UTILITY PIPES, DUCTS, BOXES, VAULTS, AND STRUCTURES TO REMAIN UNLESS OTHERWISE NOTED.
- 5. EXISTING SURFACE EQUIPMENT (TRAFFIC SIGNAL POLES, BOXES, FIRE HYDRANTS, JOINT UTILITY POLES, etc.) TO REMAIN UNLESS OTHERWISE NOTED.
- 6. UNLESS OTHERWISE NOTED, PEDESTRIAN CURB RAMPS TO BE CONSTRUCTED PER CITY OF STOCKTON DWG R-65.
- 7. SLOPE LABELS ARE SHOWN FOR REFERENCE ONLY, AND ARE NOT TO BE USED FOR CONSTRUCTION PURPOSES.
- 8. EXISTING SIDEWALK, CURB, AND GUTTER REMOVAL LIMITS AS SHOWN ON THESE PLANS ARE INTENDED TO BE LOCATED AT WEAKENED PLANE JOINT OR SCOREMARK. CONTRACTOR TO FIELD VERIFY AND NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO THE START OF CONSTRUCTION. SAWCUT PCC TO A DEPTH SUFFICIENT TO COMPLETE CUT THROUGH EXISTING PCC.
- 9. SAWCUT AND REMOVE PAVEMENT SECTION TO 12" DEPTH TO A NEAT LINE WITHOUT DAMAGING EXISTING AC OR CONCRETE THAT IS TO REMAIN. ANY DAMAGE TO THE ADJACENT SURFACE MATERIAL TO REMAIN MUST BE REPAIRED OR REPLACED TO A CONDITION SATISFACTORY TO THE ENGINEER AT THE CONTRACTOR'S EXPENSE.
- 10. ALL PAVEMENT MARKINGS AND STRIPING IN CONFLICT SHALL BE REMOVED. SEE SS-SHEETS FOR SIGNING AND STRIPING DETAILS.
- 11. SEE SD-SHEETS FOR DRAINAGE INFRASTRUCTURE DETAILS.
- 12. SEE TS-SHEETS FOR TRAFFIC SIGNAL IMPROVEMENT DETAILS.

CURVE TABLE				
CURVE	RADIUS	LENGTH	DELTA	TANGENT
C1	7.50'	23.63'	180°30'43"	1679.07'

NOTE: CURVE TABLE INFORMATION SHOWN FOR THIS SHEET ONLY.



**EL DORADO ST AT BENJAMIN HOLT DR
NW MEDIAN: PEDESTRIAN PASSAGE CONSTRUCTION DETAILS**

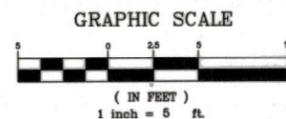


INSTALL LEFT-TURN SIGNALS AT THREE INTERSECTIONS

CONSTRUCTION DETAILS

DEPARTMENT OF PUBLIC WORKS CITY OF STOCKTON, CALIFORNIA		DATE: 06/16/2022	SCALE: AS NOTED	APPROVED BY:	DATE: 6/16/22	SHEET NO. CD-06
DESIGNED BY: HHW	CHECKED BY: JEP	DESIGNED BY: HHW	CHECKED BY: JEP	DESIGNED BY: HHW	CHECKED BY: JEP	PROJECT NO. WT19001

5502.8C



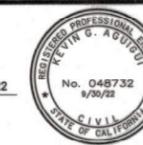
NO.	DESCRIPTION	CHECKED BY	CITY APPROVAL APPROVED BY	DATE

Kimley»Horn

1300 Clay Street, Suite 325
Oakland, California 94612
Phone: (510) 625-0712

DESIGNED UNDER THE SUPERVISION OF:

KEVIN G. AGUIQUI
R.C.E. No. 048732, EXP. 9/30/22



LEGEND:

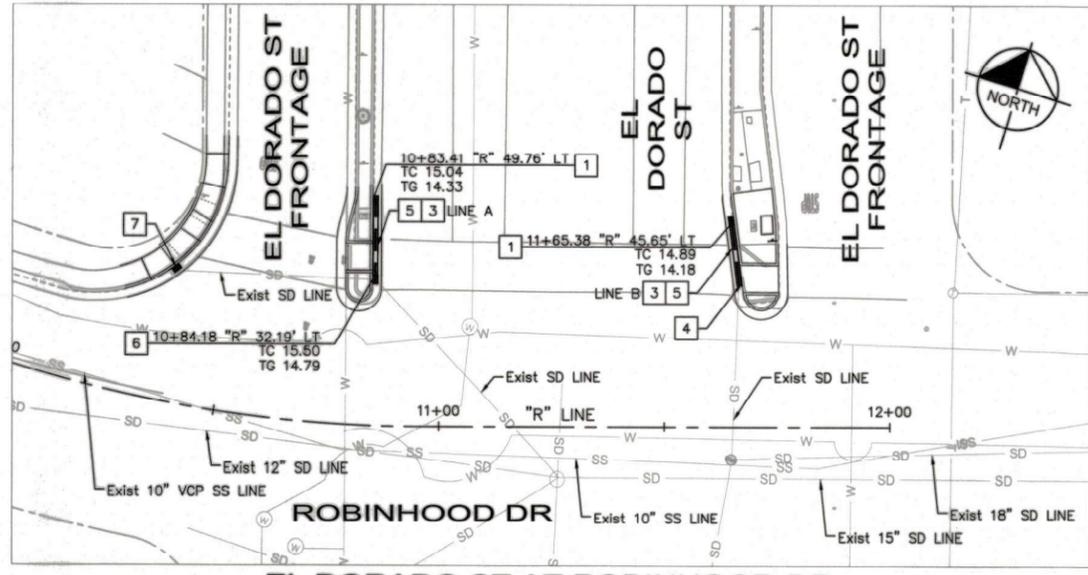
- INLET
- MANHOLE
- 12" PVC SDR26 STORM DRAIN PIPE
- RIGHT OF WAY

NOTES:

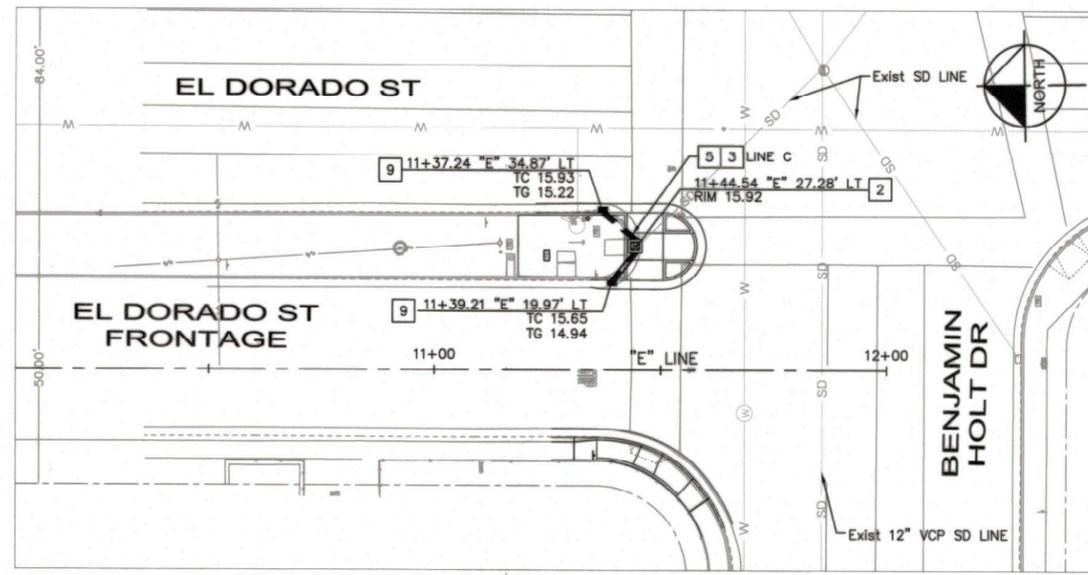
1. EXISTING UTILITIES SHOWN ARE APPROXIMATE. CONTRACTOR TO VERIFY LOCATIONS AND DEPTHS.
2. DOWELS SHALL BE PLACED IN 3/4" DIAMETER, DRILLED HOLES WITH 1:1 SAND CEMENT GROUT.
3. SEE CITY OF STOCKTON STANDARD DWG D-6 FOR INLET TOP DETAILS NOT SHOWN (INCLUDING REINFORCEMENTS).
4. CONTRACTOR TO COMPLETE TRENCH WORK PER CITY OF STOCKTON STD DWG R-36.

DRAINAGE NOTES

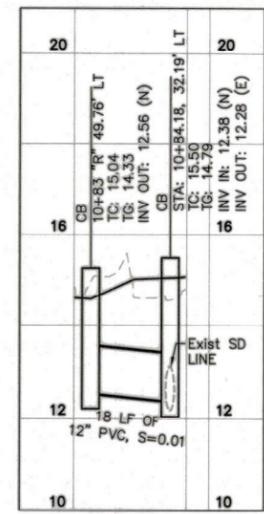
- 1 TYPE 2 CURB INLET CATCH BASIN PER CITY OF STOCKTON STD DWG D-8.
- 2 REMOVE EXISTING STORM DRAIN INLET. CONSTRUCT A MODIFIED, CAST-IN-PLACE TYPE 2 MAINTENANCE HOLE PER CITY OF STOCKTON STD DWG S-12.
- 3 BACKFILL STORM DRAIN PIPE WITH CONTROLLED DENSITY FILL (CDF) AS SPECIFIED PER CITY OF STOCKTON STD DWG R-36 NOTE 5 FOR SHALLOW TRENCHING.
- 4 REMOVE EXISTING INLET AND INSTALL CONCRETE PIPE COLLAR TO CONNECT EXISTING 12" STORM DRAIN PIPE TO PROPOSED 12" PVC SDR26 STORM DRAIN PIPE. INSTALL COLLAR PER CONCRETE COLLAR DETAIL THIS SHEET. LENGTH AS SHOWN ON THIS SHEET.
- 5 STORM DRAIN PIPE, SIZE, AND LENGTH AS NOTED ON THIS SHEET.
- 6 RECONSTRUCT STORM DRAIN INLET TOP TO TYPE 2 CURB INLET CATCH BASIN PER DETAIL THIS SHEET. SEE CITY OF STOCKTON STD DWG D-8 FOR INLET TOP DETAILS NOT SHOWN.
- 7 RECONSTRUCT STORM DRAIN INLET TOP TO TYPE 1 CURB INLET CATCH BASIN PER DETAIL THIS SHEET. SEE CITY OF STOCKTON STD DWG D-6 FOR INLET TOP DETAILS NOT SHOWN.
- 9 MODIFIED TYPE 2 CURB INLET CATCH BASIN WITH 3.0' APRON WINGS PER CITY OF STOCKTON STD DWG D-8.



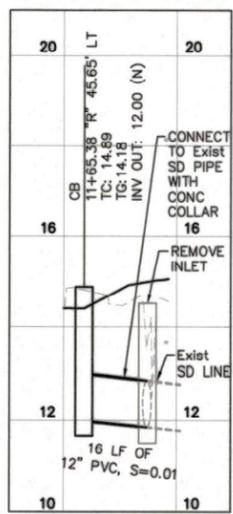
EL DORADO ST AT ROBINHOOD DR



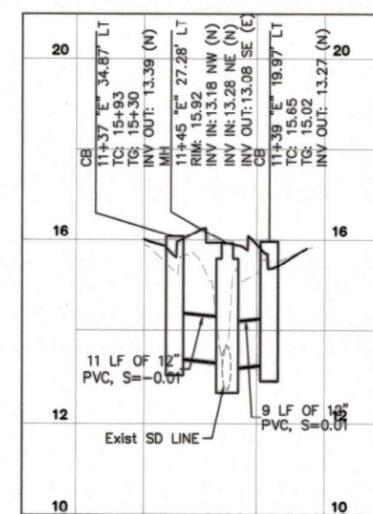
EL DORADO ST AT BENJAMIN HOLT DR



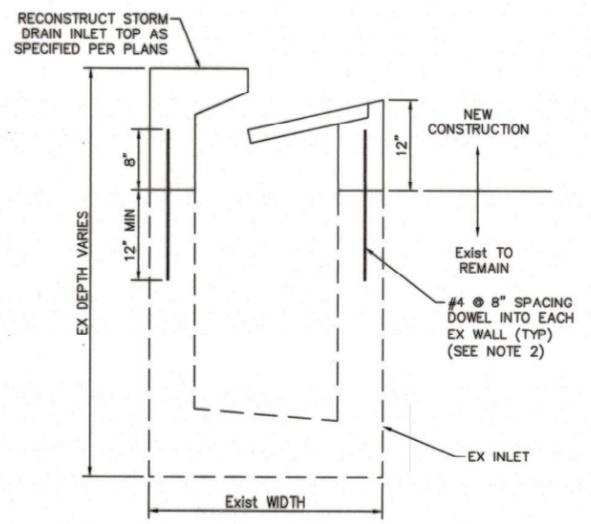
SD LINE A
HORIZ: 1" = 20'
VERT: 1" = 10'



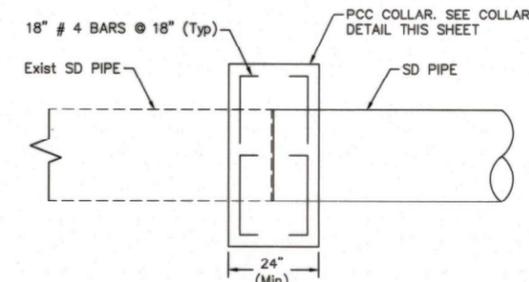
SD LINE B
HORIZ: 1" = 20'
VERT: 1" = 10'



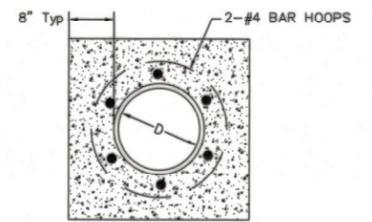
SD LINE C
HORIZ: 1" = 20'
VERT: 1" = 10'



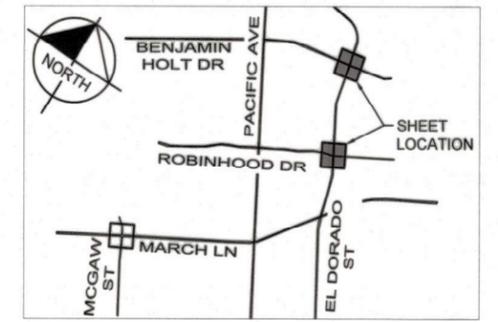
RECONSTRUCT INLET TOP DETAIL
NTS



CONCRETE COLLAR
NTS



COLLAR DETAIL
NTS



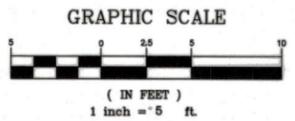
LOCATION MAP
NTS

INSTALL LEFT-TURN SIGNALS AT THREE INTERSECTIONS			
STORM DRAIN			
DEPARTMENT OF PUBLIC WORKS CITY OF STOCKTON, CALIFORNIA			
DATE: 06/16/2022	SCALE: AS NOTED	APPROVED BY: [Signature]	SHEET NO. SD-01
DRAWN BY: HWW	DESIGNED BY: HWW	CHECKED BY: JEP	SHEET 11 OF 20
PROJECT NO. WT19001			

NO.	DESCRIPTION	CHECKED BY	CITY APPROVAL

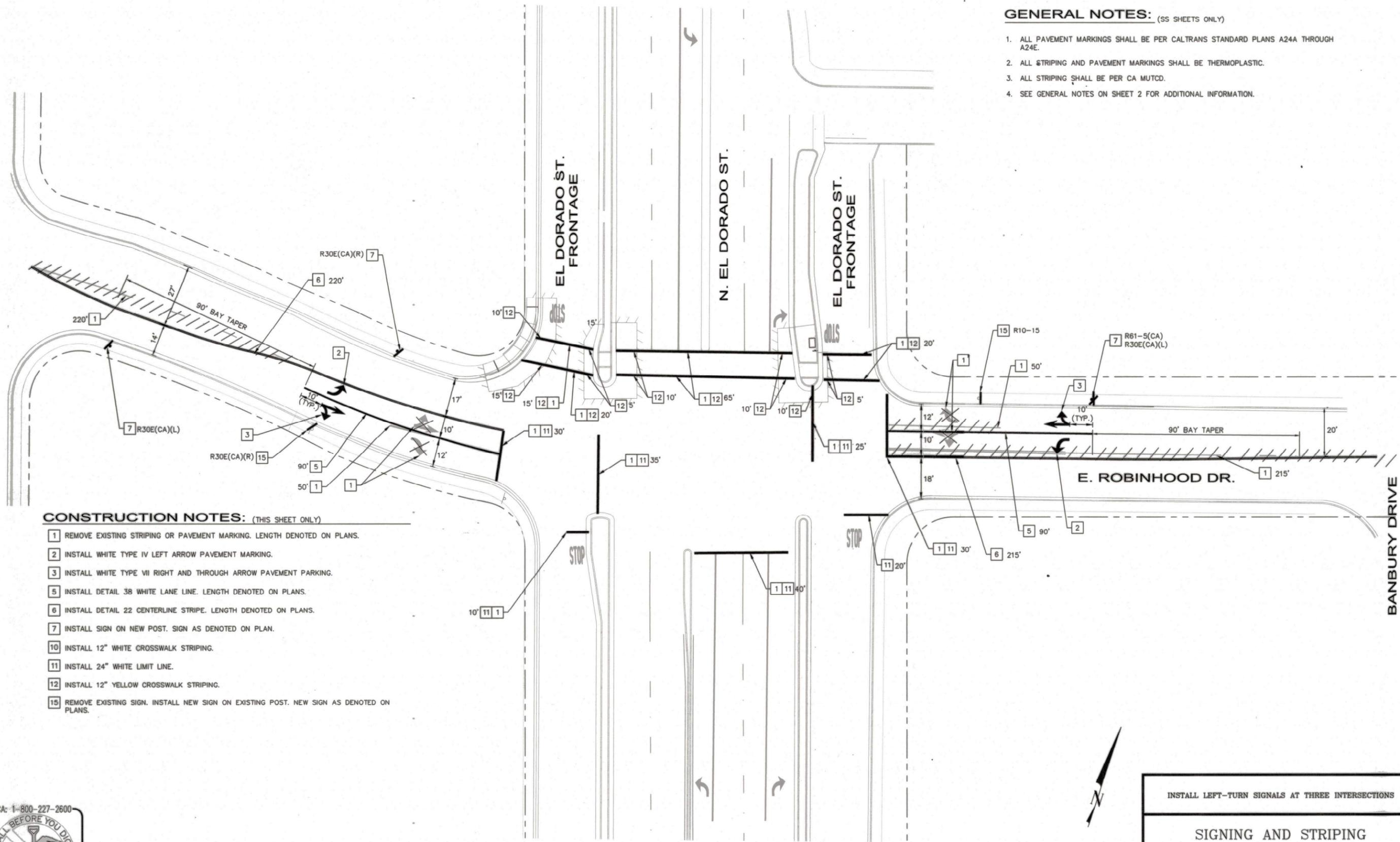
Kimley»Horn
1300 Clay Street, Suite 325
Oakland, California 94612
Phone: (510) 625-0712

DESIGNED UNDER THE SUPERVISION OF:
[Signature]
KEVIN G. AGUIQUI
R.C.E. No. 048732, EXP. 9/30/22
DATE: 06/16/2022



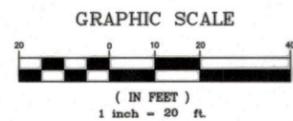
GENERAL NOTES: (SS SHEETS ONLY)

1. ALL PAVEMENT MARKINGS SHALL BE PER CALTRANS STANDARD PLANS A24A THROUGH A24E.
2. ALL STRIPING AND PAVEMENT MARKINGS SHALL BE THERMOPLASTIC.
3. ALL STRIPING SHALL BE PER CA MUTCD.
4. SEE GENERAL NOTES ON SHEET 2 FOR ADDITIONAL INFORMATION.



CONSTRUCTION NOTES: (THIS SHEET ONLY)

- 1 REMOVE EXISTING STRIPING OR PAVEMENT MARKING. LENGTH DENOTED ON PLANS.
- 2 INSTALL WHITE TYPE IV LEFT ARROW PAVEMENT MARKING.
- 3 INSTALL WHITE TYPE VII RIGHT AND THROUGH ARROW PAVEMENT MARKING.
- 5 INSTALL DETAIL 38 WHITE LANE LINE. LENGTH DENOTED ON PLANS.
- 6 INSTALL DETAIL 22 CENTERLINE STRIPE. LENGTH DENOTED ON PLANS.
- 7 INSTALL SIGN ON NEW POST. SIGN AS DENOTED ON PLAN.
- 10 INSTALL 12" WHITE CROSSWALK STRIPING.
- 11 INSTALL 24" WHITE LIMIT LINE.
- 12 INSTALL 12" YELLOW CROSSWALK STRIPING.
- 15 REMOVE EXISTING SIGN. INSTALL NEW SIGN ON EXISTING POST. NEW SIGN AS DENOTED ON PLANS.

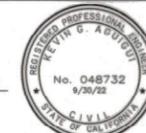


NO.	DESCRIPTION	CHECKED BY	CITY APPROVAL	
			APPROVED BY	DATE

Kimley»Horn
 1300 Clay Street, Suite 325
 Oakland, California 94612
 Phone: (510) 625-0712

DESIGNED UNDER THE SUPERVISION OF:

 KEVIN G. AGUIGUI
 R.C.E. No. 048732, EXP. 9/30/22



INSTALL LEFT-TURN SIGNALS AT THREE INTERSECTIONS

SIGNING AND STRIPING
 EL DORADO STREET AT ROBINHOOD DRIVE

DEPARTMENT OF PUBLIC WORKS
 CITY OF STOCKTON, CALIFORNIA

DATE: 06/16/2022
 SCALE: AS NOTED
 DRAWN BY: MEW/TG
 DESIGNED BY: JEA
 CHECKED BY: KGA

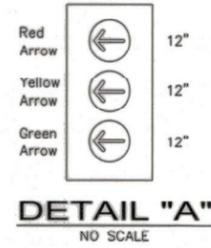
APPROVED BY:
 DATE: 9/30/22
 CITY ENGINEER
 STOCKTON, CALIFORNIA

SHEET NO.
SS-02
 SHEET 13 OF 20
 PROJECT NO.
 WT19001

5502.12c

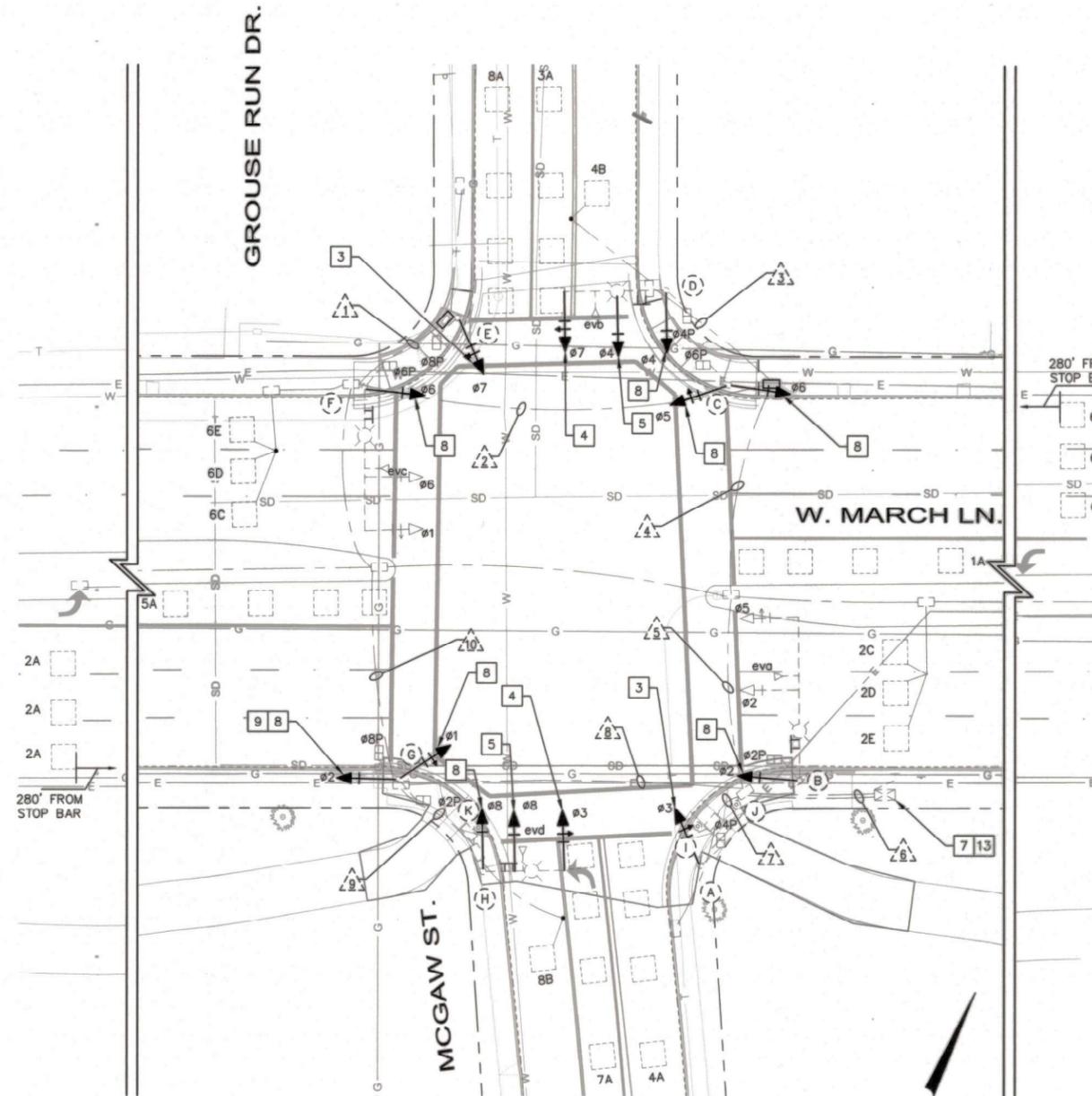
GENERAL NOTE:

SALVAGE EXISTING 8" SIGNAL HEADS TO CONTRACTOR.
THIS PLAN ACCURATE FOR ELECTRICAL WORK ONLY.

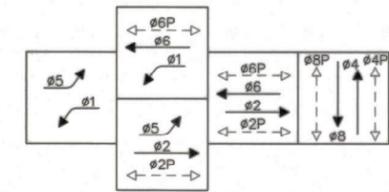


CONSTRUCTION NOTES: (THIS SHEET ONLY)

- 3 FURNISH AND INSTALL 3-SECTION SIGNAL HEAD WITH ARROWS PER DETAIL A, THIS SHEET, ON EXISTING MOUNTING FRAME.
- 4 FURNISH AND INSTALL 3-SECTION SIGNAL HEAD WITH ARROWS PER DETAIL A, THIS SHEET, ON EXISTING MAST ARM TENON.
- 5 FURNISH AND INSTALL 3-SECTION SIGNAL HEAD ON EXISTING MAST ARM TENON.
- 7 MODIFY EXISTING CABINET AS NECESSARY TO ALLOW FOR 8-PHASE OPERATION.
- 8 UPGRADE EXISTING 8" SIGNAL HEAD TO 12" SIGNAL HEAD.
- 9 TRIM EXISTING TREE TO IMPROVE SIGNAL VISIBILITY.
- 13 INSTALL AND TERMINATE THE DLC PER THE CONDUCTOR SCHEDULE AND DETECTOR TABLE. INSTALL LOAD SWITCHES FOR THE NEW PHASES.

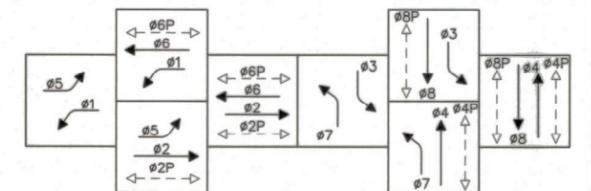


STEADY DEMAND SEQUENCE



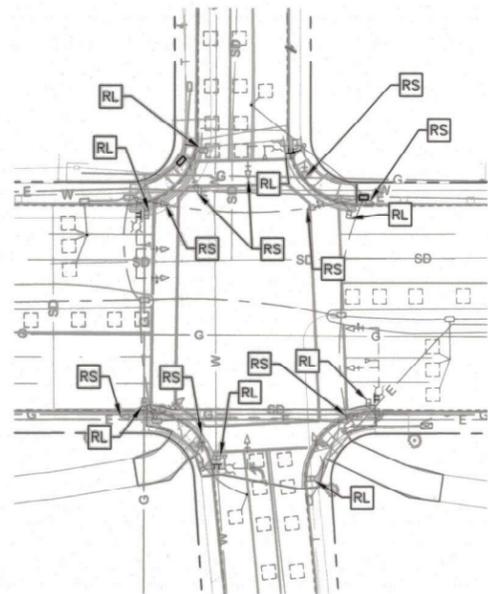
EXISTING PHASE DIAGRAM

STEADY DEMAND SEQUENCE

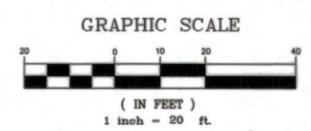


PROPOSED PHASE DIAGRAM

eva = $\phi 2 + \phi 5$
evb = $\phi 4 + \phi 7$
evc = $\phi 6 + \phi 1$
evd = $\phi 8 + \phi 3$



REMOVAL PLAN
SCALE: 1" = 40'



NO.	DESCRIPTION	CHECKED BY	CITY APPROVAL	
			APPROVED BY	DATE

Kimley»Horn
1300 Clay Street, Suite 325
Oakland, California 94612
Phone: (510) 625-0712

DESIGNED UNDER THE SUPERVISION OF:
[Signature]
KEVIN G. AGUIGUI
R.C.E. No. 048732, EXP. 9/30/22



INSTALL LEFT-TURN SIGNALS AT THREE INTERSECTIONS

TRAFFIC SIGNAL
MARCH LANE AT GROUSE RUN DRIVE

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

DATE: 06/16/2022
SCALE: AS NOTED
DRAWN BY: MEW/IG
DESIGNED BY: JEA
CHECKED BY: KGA

APPROVED BY: *[Signature]* DATE: 8/11/22
DATE: 9/30/22
CITY ENGINEER
STOCKTON, CALIFORNIA

SHEET NO. TS-01
SHEET 15 OF 20
PROJECT NO. WT19001

5502.14C

4/18/2022 - 3:47pm - 14899 - jsmith@kwh.com
 K:\Work\175\07122022 - stockton left-turn at three locations - kgn\CAD\job sheets\175-01.dwg



CONDUCTOR SCHEDULE												
CONDUCTOR DESIGNATION	NUMBER OF CONDUCTORS											
	MARCH LANE AT GROUSE RUN DRIVE/McGAW STREET											
	1	2	3	4	5	6	7	8	9	10	11	12
NO. 14 CONDUCTORS												
Ø1		3		3	3	6		3				
Ø2						6		3				
Ø3						6	3	3	3			
Ø4			3	3	3	3						
Ø5				3	3	3						
Ø6		3		3	3	3						
Ø7	3	3	6	6	3							
Ø8						3		3	3			
Ø2P						4		2				
Ø4P		3	2	2	2	4	2					
Ø6P		2	2	2	2	2						
Ø8P	2	2	2	2	4	2						
Ø2PPB						2	1	1	1			
Ø4PPB				1	1	2						
Ø6PPB	1	1	1	2	2	2						
Ø8PPB	1	1	1	1	2	1						
SPARES	3	3	3	3	3	6	3	3	3			
TOTAL NO. 14	6	3	15	3	11	3	25	6	29	6	3	18
NO. 12 CONDUCTORS												
PPB COMMON	1	1	1	1	1	2	1	1	1			
TOTAL NO. 12	1	1	1	1	1	2	1	1	1			
NO. 10 CONDUCTORS												
LUMINAIRE		2	2	2	2	4		2	2			
SIGNAL COMMON	1	1	1	1	1	2	1	1	1			
TOTAL NO. 10	1	3	3	3	3	6	1	3	3			
DETECTOR LEAD-IN CABLES												
Ø1						1	1					
Ø2						3	3					
Ø3	1	1		1	1	1						
Ø4						1	1					
Ø5						1		1	1	1		
Ø6				1	3	3						
Ø7						1	1					
Ø8	1	1		1	1	1						
SAMPLER	3	1	4	7	8			1	1			
TOTAL DLC	2	5	1	7	13	20	2	5	1	3		
EVP CABLES												
EVA						1						
EVB			1	1	1	1						
EVC		1		1	1	1						
EVD						1		1	1			
TOTAL EVP	1	1	2	2	4	1	1					
PERCENT FILL (%)	12	19	17	28	37	23	12	20	15	4		
CONDUIT SIZE (INCHES)	2	2.5	2	2.5	2.5	2-3	2	2.5	2	2.5		

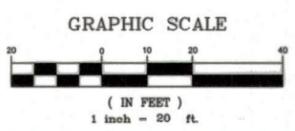
ALL CONDUITS AND CONDUCTORS ARE EXISTING UNLESS OTHERWISE NOTED.
 N - DENOTES NEW CONDUIT OR CONDUCTORS

POLE AND EQUIPMENT SCHEDULE													
LOCATION	STANDARD			LOCATION		LED LUMINAIRE WATTAGE	VEHICLE SIGNAL MOUNTING		PED SIGNAL MOUNTING	APS		STREET NAME SIGN (S.N.S.) LEGEND	*SPECIAL REQUIREMENTS
	TYPE	SIGNAL MAST ARM	LUMINAIRE MAST ARM	A	B		MAST ARM	POLE		Ø	ARROW		
(A)	1-B	-	-	-	-	-	-	TV-1-T _N	SP-1-T	-	-	-	
(B)	26-4-80	40'	15'	-	-	107W	MAS MAS	SV-1-T	SP-1-T	-	-	McGaw St → ← Grouse Run Dr	
(C)	1-B	-	-	-	-	-	-	TV-2-T _N	SP-1-T	Ø4P	RIGHT	-	
(D)	19-3-80	25'	15'	-	-	107W	MAS MAS _N	SV-1-T	SP-1-T	Ø6P	LEFT	March Ln	INSTALL R3-4 SIGN ON MAST ARM.
(E)	1-B	-	-	-	-	-	-	TV-1-T _N	SP-1-T	Ø6P	RIGHT	-	
(F)	26-4-80	40'	15'	-	-	107W	MAS MAS	SV-1-T	SP-1-T	Ø8P	LEFT	McGaw St → ← Grouse Run Dr	
(G)	1-B	-	-	-	-	-	-	TV-2-T _N	SP-1-T	Ø8P	RIGHT	-	
(H)	19-3-80	35'	15'	-	-	107W	MAS MAS _N	SV-1-T	SP-1-T	-	-	March Ln	INSTALL R3-4 SIGN ON MAST ARM.
(I)	PPB POST	-	-	-	-	-	-	-	-	Ø2P	RIGHT	-	
(J)	PPB POST	-	-	-	-	-	-	-	-	Ø4P	LEFT	-	
(K)	PPB POST	-	-	-	-	-	-	-	-	Ø2P	RIGHT	-	

* OTHER REQUIREMENTS ARE COVERED BY NOTES, LEGEND, SPECIAL PROVISIONS AND CALTRANS STANDARD SPECIFICATIONS. FOR TYPE OF STANDARD, VEHICLE AND PEDESTRIAN MOUNTING, SEE CALTRANS STANDARD PLANS.

- ALL EQUIPMENT IS NEW UNLESS OTHERWISE NOTED.
- PEDESTRIAN PUSH BUTTONS SHALL MEET ADA ACCESSIBILITY GUIDELINES. MOUNTING HEIGHT OF PPB IS 42" ABOVE FINISHED SIDEWALK SURFACE.
- R3-4 OR R10-12 M.A. SIGN SHALL BE INSTALLED 3'6" FROM END OF MAST ARM, (CENTER TO CENTER) UNLESS OTHERWISE SHOWN.
- ALL VEHICLE INDICATIONS SHALL BE 12" L.E.D.
- PEDESTRIAN PUSH BUTTON SIGNS SHALL MEET MUTCD R10-3E, UNLESS OTHERWISE INDICATED BY THE ENGINEER.
- PEDESTRIAN PUSH BUTTON SIGNS SHALL FIT ON THE 9"x15" ADAPTOR PLATE WITHOUT ANY MODIFICATIONS.
- PEDESTRIAN HEADS SHALL BE COUNTDOWN TYPE.
- MAST ARM STREET NAME SIGNS ARE TO BE PER STOCKTON STANDARD DRAWING R-94.
- 1-B STREET NAME SIGNS ARE TO BE PER STOCKTON STANDARD DRAWING R-109 (DETAIL A).

DETECTOR TABLE			
DETECTOR NO.	Ø	# OF DETECTORS	DETECTOR TYPE
1	1A	4	CALL
2	2A	3	ADVANCE
3	3A	4	CALL
4	4A	4	CALL
5	5A	4	CALL
6	6A	3	ADVANCE
7	7A	4	CALL
8	8A	4	CALL
9			
10			
11			
12			
13			
14			
15			
16			
17	2B	1	SAMPLER
18	2C	1	SAMPLER
19	2D	1	SAMPLER
20	4B	1	SAMPLER
21	6B	1	SAMPLER
22	6C	1	SAMPLER
23	6D	1	SAMPLER
24	8B	1	SAMPLER



NO.	DESCRIPTION	CHECKED BY	CITY APPROVAL	
			APPROVED BY	DATE

Kimley»Horn
 1300 Clay Street, Suite 325
 Oakland, California 94612
 Phone: (510) 625-0712

DESIGNED UNDER THE SUPERVISION OF:

 KEVIN G. AGUIGUI DATE 06/16/2022
 R.C.E. No. 048732, EXP. 9/30/22



INSTALL LEFT-TURN SIGNALS AT THREE INTERSECTIONS

TRAFFIC SIGNAL
 MARCH LANE AT GROUSE RUN DRIVE

DEPARTMENT OF PUBLIC WORKS
 CITY OF STOCKTON, CALIFORNIA

DATE: 06/16/2022
 SCALE: NONE
 DRAWN BY: MEW/TG
 DESIGNED BY: JEA
 CHECKED BY: KGA

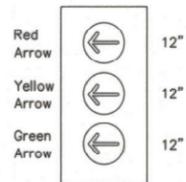
APPROVED BY:
 DATE: 8/3/22

SHEET NO. TS-01A
 SHEET 16 OF 20
 PROJECT NO. WT19001

5502.15C

GENERAL NOTE:

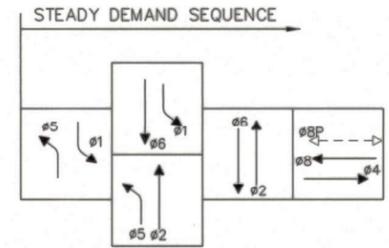
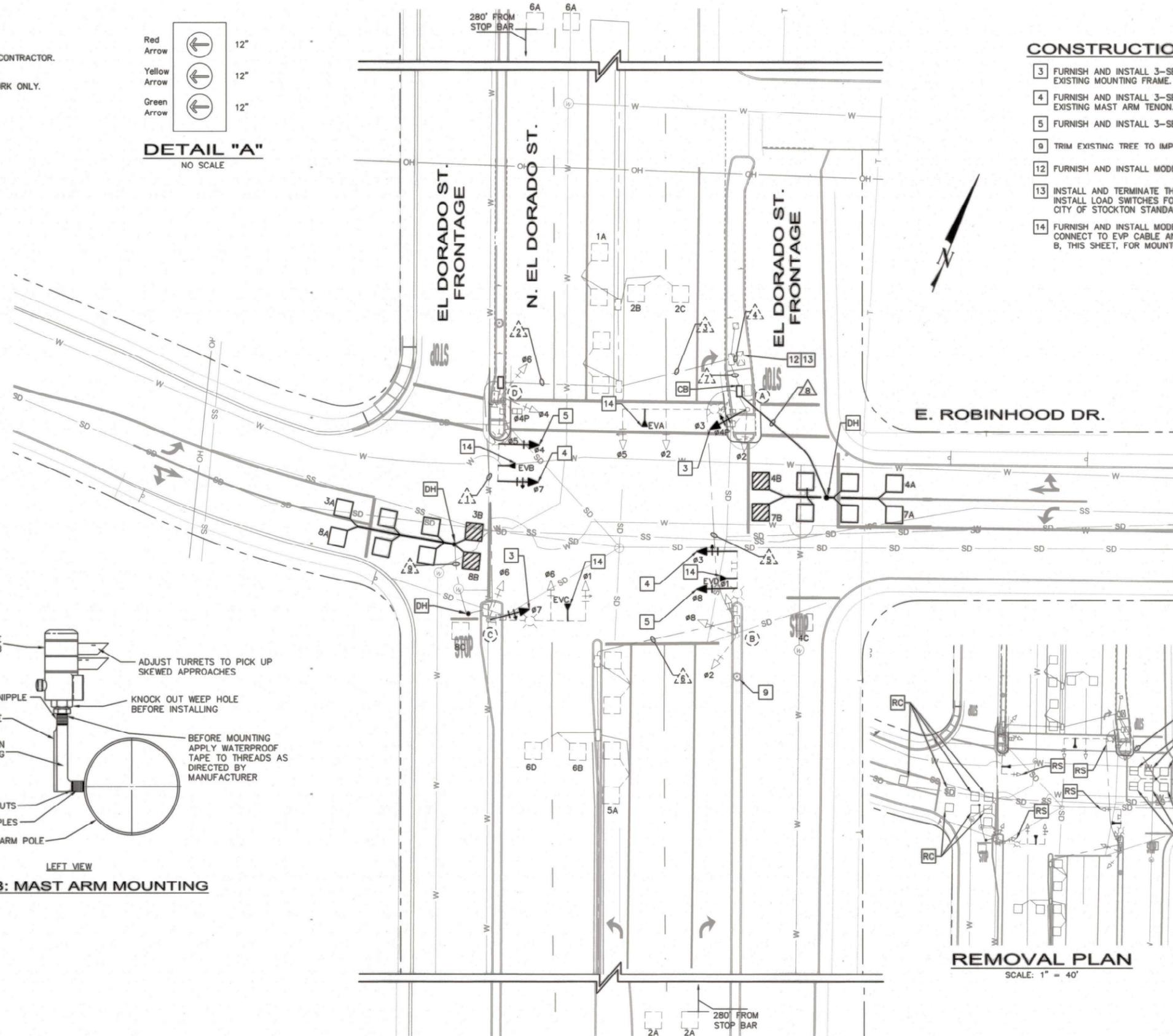
SALVAGE EXISTING 8" SIGNAL HEADS TO CONTRACTOR.
THIS PLAN ACCURATE FOR ELECTRICAL WORK ONLY.



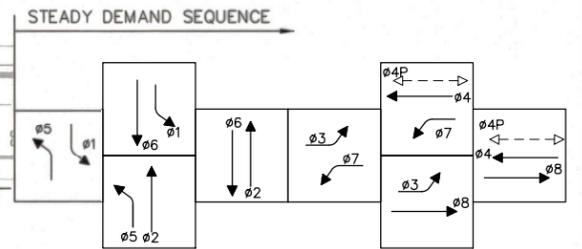
DETAIL "A"
NO SCALE

CONSTRUCTION NOTES: (THIS SHEET ONLY)

- 3 FURNISH AND INSTALL 3-SECTION SIGNAL HEAD WITH ARROWS PER DETAIL A, THIS SHEET, ON EXISTING MOUNTING FRAME.
- 4 FURNISH AND INSTALL 3-SECTION SIGNAL HEAD WITH ARROWS PER DETAIL A, THIS SHEET, ON EXISTING MAST ARM TENON.
- 5 FURNISH AND INSTALL 3-SECTION SIGNAL HEAD ON EXISTING MAST ARM TENON.
- 9 TRIM EXISTING TREE TO IMPROVE SIGNAL VISIBILITY.
- 12 FURNISH AND INSTALL MODEL 764 4-CHANNEL PHASE SELECTOR.
- 13 INSTALL AND TERMINATE THE DLC PER THE CONDUCTOR SCHEDULE AND DETECTOR TABLE. INSTALL LOAD SWITCHES FOR THE NEW PHASES. DETECTOR LOOPS SHALL BE INSTALLED PER CITY OF STOCKTON STANDARD DRAWING R-96.
- 14 FURNISH AND INSTALL MODEL 721 OPTICAL DETECTOR ON TRAFFIC SIGNAL MAST ARM. CONNECT TO EVP CABLE AND ORIENT TO SIGNAL PHASE AS INDICATED ON PLAN. SEE DETAIL B, THIS SHEET, FOR MOUNTING DETAILS.



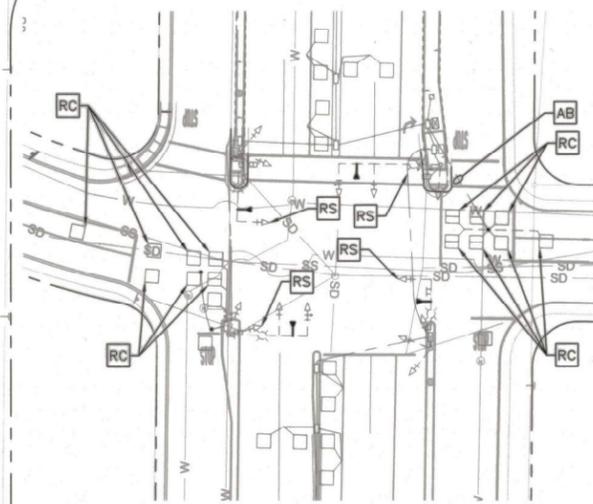
EXISTING PHASE DIAGRAM



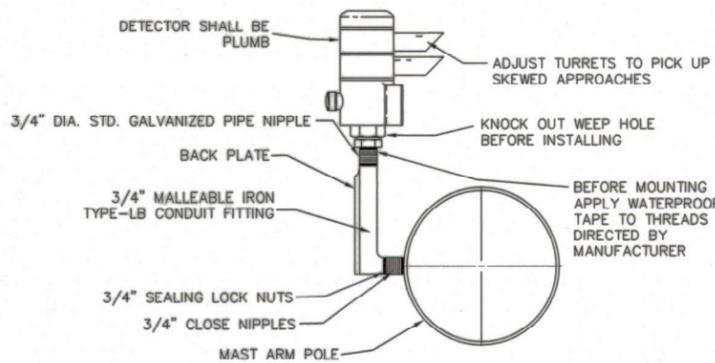
PROPOSED PHASE DIAGRAM

EVP ASSIGNMENTS

- EVA = $\phi 2 + \phi 5$
- EVB = $\phi 4 + \phi 7$
- EVC = $\phi 6 + \phi 1$
- EVD = $\phi 8 + \phi 3$

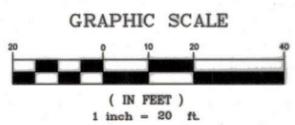


REMOVAL PLAN
SCALE: 1" = 40'



DETAIL B: MAST ARM MOUNTING

- DETECTOR SHALL BE PLUMB
- ADJUST TURRETS TO PICK UP SKEWED APPROACHES
- 3/4" DIA. STD. GALVANIZED PIPE NIPPLE
- BACK PLATE
- 3/4" MALLEABLE IRON TYPE-LB CONDUIT FITTING
- 3/4" SEALING LOCK NUTS
- 3/4" CLOSE NIPPLES
- MAST ARM POLE
- KNOCK OUT WEEP HOLE BEFORE INSTALLING
- BEFORE MOUNTING APPLY WATERPROOF TAPE TO THREADS AS DIRECTED BY MANUFACTURER



NO.	DESCRIPTION	CHECKED BY	CITY APPROVAL APPROVED BY	DATE

Kimley»Horn
1300 Clay Street, Suite 325
Oakland, California 94612
Phone: (510) 625-0712

DESIGNED UNDER THE SUPERVISION OF:
Kevin G. Aguigui
KEVIN G. AGUIGUI DATE 06/16/2022
R.C.E. No. 048732, EXP. 9/30/22



INSTALL LEFT-TURN SIGNALS AT THREE INTERSECTIONS

TRAFFIC SIGNAL
EL DORADO STREET AT ROBINHOOD DRIVE

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

DATE: 06/16/2022
SCALE: AS NOTED
DRAWN BY: MEW/TG
DESIGNED BY: JEA
CHECKED BY: LGA

APPROVED BY: *[Signature]* DATE: 8/3/22
CITY ENGINEER
STOCKTON, CALIFORNIA

SHEET NO. TS-02
SHEET 17 OF 20
PROJECT NO. WT19001

5502.16C

06/16/2022 3:00pm - USER: jehp@kim-horn.com - PROJECT: 19001 - SHEET: TS-02 - FILE: \\snp\proj\19001\19001-TS-02.dwg



CONDUCTOR SCHEDULE												
CONDUCTOR DESIGNATION	NUMBER OF CONDUCTORS											
	EL DORADO ST AT ROBINHOOD DR											
	1	2	3	4	5	6	7	8	9	10	11	12
NO. 14 CONDUCTORS												
Ø1	3	3	3	6	3							
Ø2				6	3	6						
Ø3				6	3	6						
Ø4		3	3	3								
Ø5		3	3	6		3						
Ø6		3	3	6								
Ø7	3	6	6	6								
Ø8				3	3	3						
Ø4P		2	2	4		2						
Ø4 PPB		1	1	2								
SPARES	3	3	3	6	3							
TOTAL NO. 14	6	3	3	18	3	18	6	3	14	6		
NO. 12 CONDUCTORS												
PPB COMMON		1	1	2								
TOTAL NO. 12		1	1	2								
NO. 10 CONDUCTORS												
LIGHTING (240V)	2	2	4	2								
SIGNAL COMMON	1	1	2	1								
TOTAL NO. 10	3	3	6	3								
TOTAL NO. 8												
EVP CABLES												
EVA				1		1						
EVB		1	1	1		1						
EVC	1	1	1	1		1						
EVD		1	1	1		1						
TOTAL EVP CABLES	1	2	2	4		1						
DETECTION LOOP CABLES												
Ø1			1	1								
Ø2			2	3	1	1						
Ø3	1	1	1	1		1	1	1				
Ø4				1				1				
Ø5				1	1	1						
Ø6			1	3	2	2						
Ø7				1				1	1			
Ø8	1	1	1	1						1		
TOTAL DETECTION LOOP CABLES	2	2	4	2	4	4	4	2	1	2	2	
PERCENT FILL	4	26	9	34	2	16	10	2	2			
CONDUIT SIZE	4"	2"	2-3"	3"	1-2"	1.5"	3"	3"	3"			

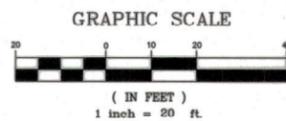
ALL CONDUITS & CONDUCTORS ARE NEW UNLESS OTHERWISE NOTED.
 E - DENOTES EXISTING CONDUIT OR CONDUCTOR
 * POWER AND DATA CABLES (PER MANUFACTURER)
 ** CABLES PER MANUFACTURER

POLE AND EQUIPMENT SCHEDULE													
LOCATION	STANDARD			LOCATION		LED LUMINAIRE WATTAGE	VEHICLE SIGNAL MOUNTING		PED SIGNAL MOUNTING	APS		STREET NAME SIGN (S.N.S.) LEGEND	*SPECIAL REQUIREMENTS
	TYPE	SIGNAL MAST ARM	LUMINAIRE MAST ARM	A	B		MAST ARM	POLE		Ø	ARROW		
(A)	26-4-80	45'	15'	-	-	107W	MAS MAS	SV-2-T _N	SP-1-T	Ø4P	LEFT	Robinhood 100E Dr	
(B)	19-3-80	30'	15'	-	-	107W	MAS MAS	SV-3-T	-	-	-	El Dorado 5500N St	
(C)	24-4-80	35'	15'	-	-	107W	MAS MAS	SV-2-T _N	-	-	-	Robinhood 100W Dr	
(D)	19-3-80	30'	15'	-	-	107W	MAS MAS	SV-3-T	SP-1-T	Ø4P	RIGHT	El Dorado 5600N St	

* OTHER REQUIREMENTS ARE COVERED BY NOTES, LEGEND, SPECIAL PROVISIONS AND CALTRANS STANDARD SPECIFICATIONS. FOR TYPE OF STANDARD, VEHICLE AND PEDESTRIAN MOUNTING, SEE CALTRANS STANDARD PLANS.

- ALL EQUIPMENT IS NEW UNLESS OTHERWISE NOTED.
- PEDESTRIAN PUSH BUTTONS SHALL MEET ADA ACCESSIBILITY GUIDELINES. MOUNTING HEIGHT OF PPB IS 42" ABOVE FINISHED SIDEWALK SURFACE.
- R3-4 OR R10-12 M.A. SIGN SHALL BE INSTALLED 3'6" FROM END OF MAST ARM, (CENTER TO CENTER) UNLESS OTHERWISE SHOWN.
- ALL VEHICLE INDICATIONS SHALL BE 12" L.E.D.
- PEDESTRIAN PUSH BUTTON SIGNS SHALL MEET MUTCD R10-3E, UNLESS OTHERWISE INDICATED BY THE ENGINEER.
- PEDESTRIAN PUSH BUTTON SIGNS SHALL FIT ON THE 9"x15" ADAPTOR PLATE WITHOUT ANY MODIFICATIONS.
- PEDESTRIAN HEADS SHALL BE COUNTDOWN TYPE.
- MAST ARM STREET NAME SIGNS ARE TO BE PER STOCKTON STANDARD DRAWING R-94.
- 1-B STREET NAME SIGNS ARE TO BE PER STOCKTON STANDARD DRAWING R-109 (DETAIL A).

DETECTOR TABLE			
DETECTOR NO.	Ø	NUMBER OF DETECTORS	DETECTOR TYPE
1	1A	4	CALL
2	2A	2	ADVANCE
3	3A	4	CALL
4	4A	4	CALL
5	5A	4	CALL
6	6A	2	ADVANCE
7	7A	4	CALL
8	8A	4	CALL
9	8C	1	CALL
10	4C	1	CALL
11			
12	3B	1	BIKE
13	4B	1	BIKE
14	7B	1	BIKE
15	8B	2	BIKE

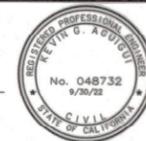


NO.	DESCRIPTION	CHECKED BY	CITY APPROVAL	
			APPROVED BY	DATE

Kimley Horn
 1300 Clay Street, Suite 325
 Oakland, California 94612
 Phone: (510) 625-0712

DESIGNED UNDER THE SUPERVISION OF:

 KEVIN G. AGUIGUI
 R.C.E. No. 048732, EXP. 9/30/22



INSTALL LEFT-TURN SIGNALS AT THREE INTERSECTIONS

TRAFFIC SIGNAL
 EL DORADO STREET AT ROBINHOOD DRIVE

DEPARTMENT OF PUBLIC WORKS
 CITY OF STOCKTON, CALIFORNIA

DATE: 06/16/2022
 SCALE: NONE
 DRAWN BY: MEW/TG
 DESIGNED BY: JEA
 CHECKED BY: KGA

APPROVED BY:
 DATE: 6/16/22

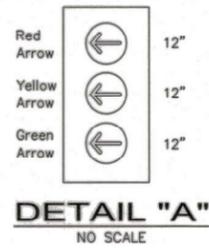
SHEET NO. TS-02A
 SHEET 18 OF 20
 PROJECT NO. WT19001

5502.17C

GENERAL NOTE:

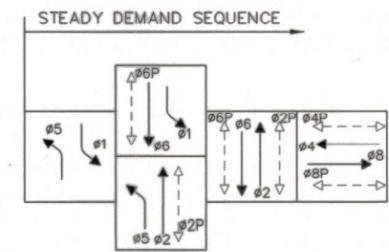
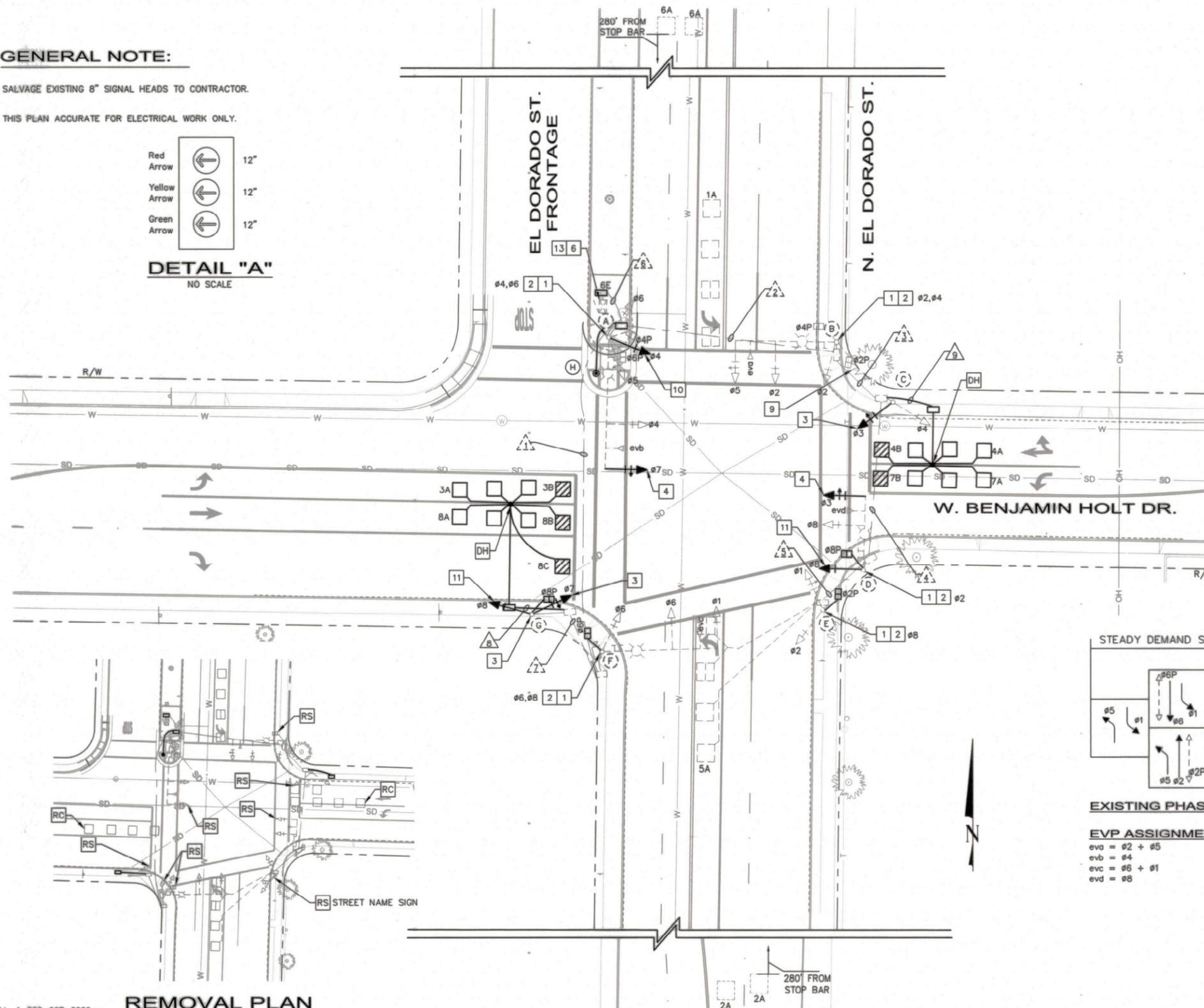
SALVAGE EXISTING 8" SIGNAL HEADS TO CONTRACTOR.

THIS PLAN ACCURATE FOR ELECTRICAL WORK ONLY.

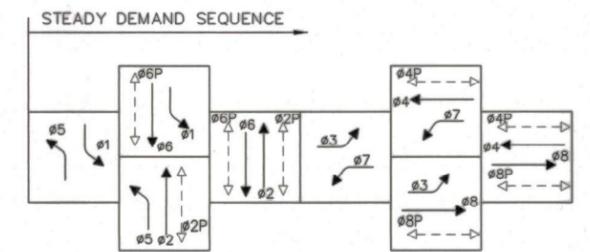


CONSTRUCTION NOTES: (THIS SHEET ONLY)

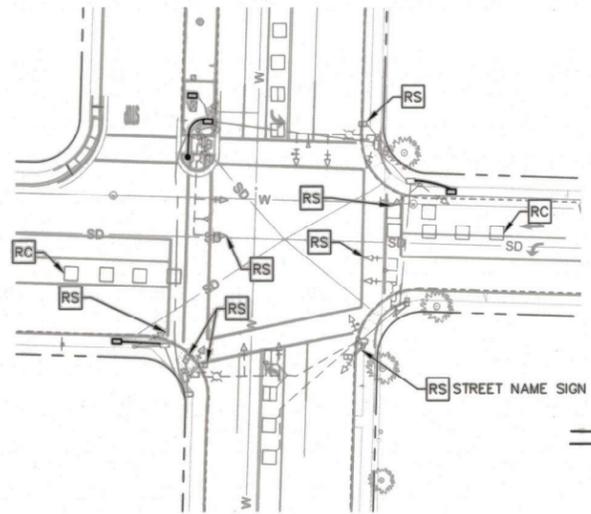
- 1 REMOVE EXISTING PEDESTRIAN PUSH BUTTON(S). FURNISH AND INSTALL ACCESSIBLE PEDESTRIAN SIGNAL (APS) SYSTEM(S).
- 2 CONNECT ACCESSIBLE PEDESTRIAN SIGNAL (APS) SYSTEM(S) TO EXISTING PUSH BUTTON CONDUCTORS. FURNISH AND INSTALL NEW APS CONDUCTORS BETWEEN PUSH BUTTON(S) AND CORRESPONDING PEDESTRIAN SIGNAL HEAD(S) AS REQUIRED BY THE APS MANUFACTURER.
- 3 FURNISH AND INSTALL 3-SECTION SIGNAL HEAD WITH ARROWS PER DETAIL A, THIS SHEET, ON EXISTING MOUNTING FRAME.
- 4 FURNISH AND INSTALL 3-SECTION SIGNAL HEAD WITH ARROWS PER DETAIL A, THIS SHEET, ON EXISTING MAST ARM TENON.
- 5 FURNISH AND INSTALL 3-SECTION SIGNAL HEAD ON EXISTING MAST ARM TENON.
- 6 FURNISH AND INSTALL MODEL 764 4-CHANNEL PHASE SELECTOR. REMOVE AND SALVAGE EXISTING PHASE SELECTOR.
- 9 TRIM EXISTING TREE TO IMPROVE SIGNAL VISIBILITY.
- 10 FURNISH AND INSTALL 3-SECTION SIGNAL HEAD ON SV-3-T MOUNTING. SALVAGE EXISTING HEAD TO CITY.
- 11 FURNISH AND INSTALL 3-SECTION SIGNAL HEAD.
- 13 INSTALL AND TERMINATE THE DLC PER THE CONDUCTOR SCHEDULE AND DETECTOR TABLE. INSTALL LOAD SWITCHES FOR THE NEW PHASES. DETECTOR LOOPS SHALL BE INSTALLED PER CITY OF STOCKTON STANDARD DRAWING R-96.



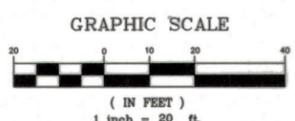
EXISTING PHASE DIAGRAM
EVP ASSIGNMENTS
 eva = #2 + #5
 evb = #4
 evc = #6 + #1
 evd = #8



PROPOSED PHASE DIAGRAM
EVP ASSIGNMENTS
 eva = #2 + #5
 evb = #4 + #7
 evc = #6 + #1
 evd = #8 + #3



REMOVAL PLAN
SCALE: 1" = 40'



NO.	DESCRIPTION	CHECKED BY	CITY APPROVAL APPROVED BY	DATE

Kimley»Horn
 1300 Clay Street, Suite 325
 Oakland, California 94612
 Phone: (510) 625-0712

DESIGNED UNDER THE SUPERVISION OF:
 KEVIN G. AGUIQUI
 R.C.E. No. 048732, EXP. 9/30/22
 DATE: 06/16/2022



INSTALL LEFT-TURN SIGNALS AT THREE INTERSECTIONS

TRAFFIC SIGNAL
 EL DORADO STREET AT BENJAMIN HOLT DRIVE

DEPARTMENT OF PUBLIC WORKS
 CITY OF STOCKTON, CALIFORNIA

DATE: 06/16/2022
 SCALE: AS NOTED
 DRAWN BY: MEW/TG
 DESIGNED BY: JEA
 CHECKED BY: KGA

APPROVED BY: [Signature]
 DATE: 6/16/22
 STOCKTON, CALIFORNIA

SHEET NO.
TS-03
 SHEET 18 OF 20
 PROJECT NO.
 WT19001

5502.18C

Jun 16, 2022, 3:56pm - USER: jpa@kvhorn.com - Location: C:\Users\jpa\OneDrive\Documents - kgh\CD\Info - kgh\CD\Info\5502.18C.dwg



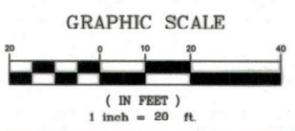
CONDUCTOR SCHEDULE												
CONDUCTOR DESIGNATION	NUMBER OF CONDUCTORS											
	EL DORADO ST AT BENJAMIN HOLT DR											
	1	2	3	4	5	6	7	8	9	10	11	12
NO. 14 CONDUCTORS												
Ø1	3	3	3	3	3	6						
Ø2	3	3	3	3	3							
Ø3	6	6	3	3	6							
Ø4	3	3			6							
Ø5	3				6							
Ø6	3				3							
Ø7	3				6	3						
Ø8	3	3	3	3	3	3						
Ø2P	2	2	2	2	4							
Ø4P	2				4							
Ø6P	2				4							
Ø8P	2	2	2	2	4	2						
Ø2 PPB	2	1	1		2							
Ø4 PPB	1	1			2							
Ø6 PPB	1				2							
Ø8 PPB	1	1	1	1	2							
SPARES	3	3	3	3	3	3						
TOTAL NO. 14	15	6	2	2	6	18	3	11	5	7	2	6
NO. 12 CONDUCTORS												
PPB COMMON	1	1	1	1	1	2						
TOTAL NO. 12	1	1	1	1	1	2						
EVP CABLES												
eva	1					1						
evb						1						
evc	1					1						
evd	1	1	1			1						
TOTAL EVP CABLES	1	2	1	1		4						
DETECTION LOOP CABLE												
Ø1						1						
Ø2		1	1	1	1	1						
Ø3	1					1	1	1	1			1
Ø4	1	1	1			1	1					1
Ø5	1	1	1	1	1	1						1
Ø6						1						
Ø7		1	1			1						1
Ø8	2					2	2	1				
TOTAL DETECTION LOOP CABLES	3	2	2	2	2	4	5	3	2	1	2	2
APS CABLE (3C#18)												
CCTV COMMUNICATION CABLE*	1					1						
INTERCONNECT CABLE												
PERCENT FILL	11	36	30	21	12	38	15	2	2			
CONDUIT SIZE	3"	2"	2"	2"	2"	2"	2"	2"	2"	2"	2"	2"

ALL CONDUITS & CONDUCTORS ARE NEW UNLESS OTHERWISE NOTED.
 E - DENOTES EXISTING CONDUIT OR CONDUCTOR
 * POWER AND DATA CABLES (PER MANUFACTURER)
 ** CABLES PER MANUFACTURER

POLE AND EQUIPMENT SCHEDULE													
LOCATION	STANDARD			LOCATION		LED LUMINAIRE WATTAGE	VEHICLE SIGNAL MOUNTING		PED SIGNAL MOUNTING	APS		STREET NAME SIGN (S.N.S.) LEGEND	*SPECIAL REQUIREMENTS
	TYPE	SIGNAL MAST ARM	LUMINAIRE MAST ARM	A	B		MAST ARM	POLE		Ø	ARROW		
(A)	26-4-80	45'	15'	-	-	107W	MAS MAS	SV-2-T	SV-3-T N	Ø4P	RIGHT	El Dorado 6400N St	INSTALL R3-4 SIGN ON MAST ARM.
(B)	26-4-80	35'	15'	-	-	107W	MAS MAS	SV-1-T	SP-2-T	Ø4P	LEFT	Benjamin Holt 100E Dr	
(C)	1-B	-	-	-	-	-	-	TV-2-T	-	-	-		
(D)	19-3-80	25'	15'	-	-	107W	MAS MAS	SV-1-T	SP-1-T N	Ø2P	LEFT	El Dorado 6300N St	INSTALL R3-4 SIGN ON MAST ARM.
(E)	1-B	-	-	-	-	-	-	SV-2-T	SP-1-T	-	-		
(F)	26-4-80	40'	15'	-	-	107W	MAS MAS	SV-1-T	SP-1-T N	Ø8P	LEFT	Benjamin Holt 100W Dr	
(G)	1-B	-	-	-	-	-	-	TV-2-T N	SP-1-T N	-	-		
(H)	PPB POST	-	-	-	-	-	-	-	-	Ø6P	LEFT		

- * OTHER REQUIREMENTS ARE COVERED BY NOTES, LEGEND, SPECIAL PROVISIONS AND CALTRANS STANDARD SPECIFICATIONS. FOR TYPE OF STANDARD, VEHICLE AND PEDESTRIAN MOUNTING, SEE CALTRANS STANDARD PLANS.
- ALL EQUIPMENT IS NEW UNLESS OTHERWISE NOTED.
- PEDESTRIAN PUSH BUTTONS SHALL MEET ADA ACCESSIBILITY GUIDELINES. MOUNTING HEIGHT OF PPB IS 42" ABOVE FINISHED SIDEWALK SURFACE.
- R3-4 OR R10-12 M.A. SIGN SHALL BE INSTALLED 3'6" FROM END OF MAST ARM, (CENTER TO CENTER) UNLESS OTHERWISE SHOWN.
- ALL VEHICLE INDICATIONS SHALL BE 12" L.E.D.
- PEDESTRIAN PUSH BUTTON SIGNS SHALL MEET MUTCD R10-3E, UNLESS OTHERWISE INDICATED BY THE ENGINEER.
- PEDESTRIAN PUSH BUTTON SIGNS SHALL FIT ON THE 9"x15" ADAPTOR PLATE WITHOUT ANY MODIFICATIONS.
- PEDESTRIAN HEADS SHALL BE COUNTDOWN TYPE.
- MAST ARM STREET NAME SIGNS ARE TO BE PER STOCKTON STANDARD DRAWING R-94.
- 1-B STREET NAME SIGNS ARE TO BE PER STOCKTON STANDARD DRAWING R-109 (DETAIL A).

DETECTOR TABLE			
DETECTOR NO.	Ø	NUMBER OF DETECTORS	DETECTOR TYPE
1	1A	4	CALL
2	2A	2	ADVANCE
3	3A	4	CALL
4	4A	4	CALL
5	5A	4	CALL
6	6A	2	ADVANCE
7	7A	4	CALL
8	8A	4	CALL
9	8C		DELAY
10	3B	1	BIKE
11	4B	1	BIKE
12	7B	1	BIKE
13	8B	1	BIKE



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			APPROVED BY	DATE

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 EL DORADO STREET AT BENJAMIN HOLT DRIVE

DEPARTMENT OF PUBLIC WORKS
 CITY OF STOCKTON, CALIFORNIA

DATE: 06/16/2022
 SCALE: NONE
 DRAWN BY: MEW/TG
 DESIGNED BY: JEA
 CHECKED BY: KGA

APPROVED BY:
 DATE: 6/2/22

PROFESSIONAL ENGINEER
 KEVIN G. AGUIGUI
 No. 048732
 9/30/22
 CIVIL
 STATE OF CALIFORNIA

SHEET NO. TS-03A
 SHEET 20 OF 20
 PROJECT NO. WT19001

5502.19C