TRAFFIC SIGNAL INTERCONNECT PLANS FOR

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TRAFFIC SIGNAL INTERCONNECT NOTES

1. CONDUIT RUNS ARE SHOWN ON THE PLANS IN SCHEMATIC FORM ONLY.
2. CONTRACTOR SHALL VERIFY LINEAR FEET OF CONDUIT AND FIBER OPTIC CABLE BY FIELD INSPECTION.
3. DISTANCES SHOWN ON THE PLANS ARE APPROXIMATE. CONTRACTOR SHALL CAREFULLY MEASURE ACTUAL DISTANCES AND MAKE ALLOWANCE FOR SLACK BEFORE CUTTING FIBER OPTIC CABLE.
4. ALL TRENCHING FOR CONDUIT INSTALLATION MUST BE ACCOMPLISHED USING UNDERGROUND BORING METHODS UNLESS SPECIFICALLY NOTED ON THE PLANS.
5. CONDUITS MUST BE INSTALLED WITHIN THREE FEET OF THE FACE OF CURB OR, IF NO CURB EXISTS, WITHIN TWO FEET OF THE EDGE OF PAVEMENT, EXCEPT AS NECESSARY TO AVOID CONFLICTS.
6. IF OPEN TRENCHING IS ALLOWED FOR CERTAIN SEGMENTS, THEN TRENCH PAVING MUST BE PERFORMED IN ACCORDANCE WITH CITY OF VISTA STANDARD DRAWING NUMBER SRF-8A & B, TYPE B.
7. FIBER OPTIC CABLE SHALL BE INSTALLED IN 2"PVC SCHEDULE 80 CONDUIT.
8. ALL CONDUIT BENDS ARE TO BE FACTORY MADE.
9. PULL BOXES SHALL BE NO. 6E UNLESS OTHERWISE NOTED ON THE PLANS, SPACED NO MORE THAN 500' APART AND SHALL NOT BE CLOSER THAN THREE FEET TO DRIVEWAYS.
10. PULL BOX LOCATIONS BETWEEN INTERSECTIONS SHOWN ON THE PLANS ARE APPROXIMATE AND MAY BE FIELD LOCATED BY THE CONTRACTOR WITH THE APPROVAL OF THE CITY INSPECTOR TO AVOID OBSTRUCTIONS AND FACILITATE CONSTRUCTION.
11. PULL BOXES SHALL NOT BE LOCATED IN OR WITHIN 1' OF ANY PART OF ANY CURB RAMP (SLOPED PORTIONS OF THE RAMP; WINGS; GROOVES; OR LANDINGS).
12. ALL PULL BOX AND VAULT COVERS SHALL BE MARKED WITH THE WORDS SIGNAL COMMUNICATIONS.
13. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE EXACT LOCATION OF ALL LOOP DETECTORS PRIOR TO COMMENCING WORK IN THE AREA. THE CONTRACTOR IS RESPONSIBLE FOR AVOIDING ALL LOOP DETECTORS DURING CONSTRUCTION AND SHALL NOT CUT OR BREAK ANY LOOPS. ANY DAMAGE TO EXISTING LOOP DETECTION DURING CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REPLACE. BORING UNDER LOOP DETECTOR LEAD-IN CABLE IS ALLOWED PROVIDED THAT A MINIMUM 5' DISTANCE BE OBSERVED ON EACH SIDE OF THE LOOP, AND OPERATIONS DO NOT RESULT IN PAVEMENT SAG OR LOOP DAMAGE.
14. CONTRACTOR SHALL REPLACE, AT CONTRACTOR'S EXPENSE, ANY FIBER OPTIC CABLE IN WHICH THE ATTENUATION OF ANY SINGLE MODE STRAND AT 1310 NM EXCEEDS 0.4DB/KM, EXCLUDING SINGLE POINT EVENTS AT AUTHORIZED SPLICES AND CONNECTORS.
15. WHEN THREE OR MORE FIBER OPTIC CABLES ENTER AN ENCLOSURE, EACH FIBER OPTIC CABLE SHALL BE LABELED INDICATING THE LOCATION OF THE FAR END OF THE FIBER OPTIC CABLE.
16. DEFLECTION LIMITS OF ALL SINGLE MODE FIBER OPTIC CABLE SHALL NOT EXCEED 20 TIMES THE OUTSIDE DIAMETER OF THE FIBER OPTIC CABLE BEING INSTALLED.
17. CONCRETE SIDEWALKS NEAR CONTROLLER CABINETS THAT ARE IN CONFLICT WITH PROPOSED CONDUIT ROUTING AND IMPRACTICABLE TO BORE OR TUNNEL UNDER SHALL BE REMOVED AND REPLACED BETWEEN EXPANSION JOINTS, AND NOT SAW CUT THROUGH SLAB. REMOVAL AND REPLACEMENT OF CONCRETE SHALL INCLUDE COMPLETE SLABS.
18. A SPANDREL SECTION OF AN EXISTING CROSS GUTTER THAT IS IN CONFLICT WITH PROPOSED CONDUIT ROUTING AND IMPRACTICABLE TO BORE OR TUNNEL UNDER SHALL BE REMOVED AND REPLACED BETWEEN EXPANSION JOINTS, AND NOT SAW CUT THROUGH THE SLAB. REMOVAL AND REPLACEMENT OF CONCRETE SHALL INCLUDE COMPLETE SPANDREL SECTIONS FROM JOINT TO JOINT.
19. AN 'AS-BUILT' DRAWING CLEARLY SHOWING THE ACTUAL LOCATIONS OF ALL SYSTEM COMPONENTS AND OTHER IMPROVEMENTS SHALL BE SUBMITTED BY THE CONTRACTOR AND APPROVED BY THE CITY ENGINEER PRIOR TO THE ACCEPTANCE OF THE IMPROVEMENTS.
20. ALL EQUIPMENT AND PARTS CALLED OUT ON THE PLANS TO BE SALVAGED MUST BE DELIVERED TO THE CITY'S PUBLIC WORKS SATELLITE YARD LOCATED AT 2430 LUPINE HILLS DRIVE. HOWEVER, THE CONTRACTOR MUST FIRST CONTACT ONE OF THE FOLLOWING PUBLIC WORKS STAFF MEMBERS AT LEAST TWO WORKING DAYS IN ADVANCE TO COORDINATE DELIVERY OF THE SALVAGED EQUIPMENT AND PARTS:

KEITH GARDNER....760.518.4738
JD RUBIDOUX.....760.644.6797

CONSTRUCTION NOTES

NOTE TO DESIGNER: REMOVE THIS NOTE AFTER READING. THE FOLLOWING SAMPLE CONSTRUCTION NOTES SHALL BE USED ON TRAFFIC SIGNAL DESIGN PLANS AND TRAFFIC SIGNAL INTERCONNECT DESIGN PLANS AS APPLICABLE. PLEASE NOTE THAT THESE NOTES ARE GENERAL AND ONLY COVER THE MOST COMMON INSTALLATIONS IN TRAFFIC SIGNAL AND INTERCONNECT DESIGN. THE NOTES MAY BE MODIFIED AND OTHER NOTES MAY BE ADDED AS APPROPRIATE. IN ADDITION, A NOTE NEED NOT BE SHOWN ON THE PLANS IF THE ITEM(S) IS NOT BEING INSTALLED.

1. FURNISH AND INSTALL
   A. MCCAIN, INC. MODEL 352i ATC ANODIZED ALUMINUM CABINET WITH CORBIN#2 LOCKS. CABINET SHALL BE EQUIPPED WITH A 16-CHANNEL OUTPUT ASSEMBLY AND A 48-CHANNEL INPUT ASSEMBLY.
   B. FOUNDATION PER CALTRANS STANDARD PLAN DRAWING ES-3C
   C. MCCAIN, INC. MODEL ATC 2070 TRAFFIC SIGNAL CONTROLLER
   D. LATEST VERSION OF MCCAIN, INC. OMNI SIGNAL TIMING PROGRAM
   E. MODEL 412C SYSTEM MEMORY MODULE
   F. EDI MODEL 222 TWO-CHANNEL LOOP DETECTORS
   G. PDA2 ASSEMBLY MODEL 242 DC ISOLATOR UNITS
   H. LATEST TOMAR OPTICAL SIGNAL PROCESSOR
   I. MCCAIN, INC. 24VDC MODEL 206 POWER SUPPLY
   J. MODEL 210ECL CONFLICT MONITOR
   K. ALL NECESSARY LOAD SWITCHES

   ALTERNATIVE EQUAL COMPONENTS MAY BE USED AS APPROVED BY THE CITY.
2. FURNISH AND INSTALL TYPE III-BF CITY APPROVED TRAFFIC SIGNAL AND LIGHTING SERVICE PER SDG&E REQUIREMENTS, SDG&E ELECTRIC UNDERGROUND METER & SERVICE LOCATION FORM (TO BE OBTAINED BY ENGINEER OF WORK OR CONTRACTOR) AND CALTRANS STANDARD PLAN DRAWING ES-2E IN AN ANODIZED ALUMINUM CABINET ENCLOSURE PER CALTRANS STANDARD PLAN ES-2C. PROVIDE A 100A-3 POLE 240V MAIN CIRCUIT BREAKER; A METERED 50A-1 POLE 120V TRAFFIC SIGNAL CIRCUIT BREAKER; AND A METERED 30A-1 POLE, 240V LIGHTING CIRCUIT BREAKER. OBTAIN AN ELECTRICAL PERMIT FROM THE CITY'S BUILDING DEPARTMENT PRIOR TO BEGINNING THIS WORK. CONTACT THE CITY AFTER COMPLETING THIS WORK FOR AN ELECTRICAL INSPECTION AND APPROVAL.
3. FURNISH AND INSTALL A THREE-INCH (3") DB ELECTRICAL SERVICE CONDUIT AND PULL ROPE FROM THE SDG&E SERVICE POINT TO THE ELECTRIC METER SERVICE PER SDG&E REQUIREMENTS AND AS SHOWN ON THE SDG&E ELECTRICAL UNDERGROUND METER & SERVICE LOCATION FORM.
4. FURNISH AND INSTALL LOOPS FOR VEHICLE AND BICYCLE DETECTION PER CITY OF VISTA STANDARD DRAWING TRF-5; CALTRANS STANDARD PLANS; CALTRANS STANDARD SPECIFICATIONS; THE GREEN BOOK; AND THE CALIFORNIA MUTCD.
5. FURNISH AND INSTALL AN ITERIS RZ-4 AWDR (OR CITY APPROVED EQUAL) CAMERA AND EQUIPMENT NECESSARY FOR VIDEO DETECTION OF VEHICLES AND BICYCLES. LOCATION OF CAMERAS SHALL BE DETERMINED IN THE FIELD BY THE CITY'S TRAFFIC ENGINEER AND INSPECTOR. CAMERA LOCATIONS SHOWN ON THESE PLANS ARE TO ILLUSTRATE DESIGN INTENT ONLY AND ARE SUBJECT TO ADJUSTMENT DUE TO FIELD CONDITIONS OR EQUIPMENT REQUIREMENTS. PROVIDE THE LATEST ITERIS VANTAGE EDGE PROCESSOR CARD FOR EACH CAMERA; A VANTAGE EDGE CONNECT CARD TO STREAM THE CAMERA IMAGES BACK TO THE TMC; SAMSUNG LCD (OR CITY APPROVED EQUAL) CONTROL DISPLAY (CYBERVIEW BNC+S-VIDEO VIDEO INPUT) IN A LOCKABLE RACK-MOUNT DRAWER; COMPUTER MOUSE; ALL CABLES; AND ACCESSORIES AND MAKE ALL CONNECTIONS AND PROGRAMMING NECESSARY FOR FULL AND PROPER OPERATION OF THE VIDEO DETECTION SYSTEM.
6. FURNISH AND INSTALL A COMPLETE ALPHA BATTERY BACKUP SYSTEM INCLUDING:
   A. ALPHA FXM 1100 INVERTER
   B. FOUR ALPHA CELL 100 XTV BATTERIES
   C. ALPHA SE48-1616 CABINET WITH GENERATOR OPTION; UATS BYPASS SWITCH; AND AN 8" RISER
   D. ALPHAGUARD BATTERY CHARGE MANAGEMENT SYSTEM MODEL AG-CMT-4SC-P
7. FURNISH AND INSTALL THE LATEST TOMAR (OR CITY APPROVED EQUAL) EMERGENCY VEHICLE PRE-EMPTION (EVP) DETECTOR ASSEMBLY (INCLUDING MOUNTING HARDWARE AND CABLES) FOR EACH DIRECTION. EVP SHALL BE MOUNTED PER DETAIL "B" OF CALTRANS STANDARD PLAN ES-4E.

CONSTRUCTION NOTES (CONTINUED)

8. FURNISH AND INSTALL A MAST ARM-MOUNTED REFLECTORIZED STREET NAME SIGN PER CITY OF VISTA STANDARD DRAWING NUMBERS TRF-3A THROUGH TRF-3E.
9. FURNISH AND INSTALL A POLARA NAVIGATOR APS SERIES AUDIBLE-TACTILE MODEL NUMBER EN29VN1-Y ACCESSIBLE PEDESTRIAN SIGNAL SYSTEM (OR CITY APPROVED EQUAL), COMPLETE WITH PUSH BUTTON STATIONS (PBS) AND A HANDHELD POLARA NAVIGATOR CONFIGURATOR. THE CONTRACTOR IS TO COMPLETE THE POLARA EZ COMMUNICATOR NAVIGATOR ORDER FROM AND HAVE IT APPROVED BY THE CITY PRIOR TO ORDERING EQUIPMENT. ALL STATIONS MUST BE PROGRAMMED WITH CUSTOM VOICE ON LOCATION (VOL) MESSAGES PER THE POLARA CUSTOM VOICE MESSAGE DETAILS FORM. THE CITY COMPLETES THE POLARA CUSTOM VOICE MESSAGE DETAILS FORM, BUT THE CONTRACTOR MUST REQUEST ITS COMPLETION FORM THE CITY AT LEAST TWO WEEKS PRIOR TO NEED.
10. FURNISH AND INSTALL THE LATEST MODEL OF GE LUMINATION (OR CITY APPROVED EQUAL) COUNTDOWN PEDESTRIAN SIGNAL INDICATIONS.
11. FURNISH AND INSTALL THE LATEST MODEL OF 12" GE LUMINATION (OR CITY APPROVED EQUAL) RED, YELLOW AND GREEN SIGNAL INDICATIONS.
12. FURNISH AND INSTALL LED SAFETY LIGHTING SYSTEM, CATALOG NUMBER STR-LWY-3M-HT-05-E-UL-SV-700-R-UTL, OR CITY APPROVED EQUAL.
13. FURNISH AND INSTALL A NEW 44" X 32" X 36" SPLICE VAULT FOR FIBER OPTIC CABLE PER DETAIL 'A' ON SHEET XX. CONTRACTOR SHALL PROVIDE TWO (2) GROUNDING RODS, LIFTING RINGS AND BOLTS. COVER SHALL BE 24" X 36" WITH 1" DIAMETER PICK HOLES. ALL METAL SURFACES SHALL HAVE A GALVANIZED FINISH.
14. FURNISH AND INSTALL A NO. 6E PULL BOX (WITH EXTENSION) WITH 45 DEGREE BENDS FOR FIBER OPTIC CABLE PER DETAIL 'B' ON SHEET XX. NO.6E PULL BOXES SHALL BE SPACED NO MORE THAN 500 FEET APART.
15. FURNISH AND INSTALL 2" PVC SCHEDULE 80 CONDUIT FOR FIBER OPTIC CABLE. ALL CONDUIT BENDS SHALL BE FACTORY MADE. FURNISH AND INSTALL A NEW NO. 8 AWG SOLID BARE GROUND WIRE AND A PULL ROPE OR TAPE INSIDE THE CONDUIT.
16. FURNISH AND INSTALL A NEW TRUNK CORNING ALTOS, ALL-DIELECTRIC, FULLY WATER-BLOCKED, LOOSE TUBE, GEL-FREE, 12-STRAND SINGLE MODE FIBER OPTIC (SMFO) CABLE (OR CITY APPROVED EQUAL). CONTRACTOR SHALL COIL 20 FEET OF TRUNK 12-STRAND SMFO CABLE SLACK IN EVERY PULL BOX OR VAULT PER DETAIL 'C' ON SHEET XX UNLESS NOTED OTHERWISE ON THE PLANS. ALL FIBER OPTIC CABLE, INCLUDING BRANCH CABLES, SHALL BE INSTALLED IN ITS OWN CONDUIT SEPARATE FROM ELECTRICAL CONDUCTORS.
17. FURNISH AND INSTALL A NEW BRANCH CORNING ALTOS, ALL-DIELECTRIC, FULLY WATER-BLOCKED, LOOSE TUBE, GEL-FREE, 12-STRAND SINGLE MODE FIBER OPTIC (SMFO) CABLE (OR CITY APPROVED EQUAL).
18. FURNISH AND INSTALL A NEW SPLICE ENCLOSURE PER DETAIL 'D' ON SHEET XX. SPLICE ENCLOSURE SHALL BE THE LATEST CORNING MODEL OR CITY APPROVED EQUAL. IT SHALL HAVE A MINIMUM 48-FIBER SPLICE CAPABILITY; PROVIDE CABLE PORTS AS REQUIRED; HAVE A MOISTURE-TIGHT SEALING ARRANGEMENT; AND HAVE RE-ENTRY CAPABILITY.
19. PERFORM NECESSARY SPLICING OF THE 12-STRAND TRUNK FIBER CABLE WITH THE 6-STRAND FIBER CABLE PER DETAIL 'E' ON SHEET XX. ALL REMAINING UNUSED FIBER STRANDS IN THE TRUNK CABLE MUST REMAIN INTACT AND IF CUT, MUST BE REJOINED BY SPLICING.
20. FURNISH AND INSTALL A VILINK MODEL VK 230 (OR CITY APPROVED EQUAL) FIBER OPTIC MODEM TO BE INSTALLED IN THE TRAFFIC SIGNAL CONTROLLER CABINET PER DETAIL 'F' ON SHEET XX. PROVIDE ALL CABLES; CONNECTORS; AND AUXILIARY EQUIPMENT NECESSARY TO ESTABLISH COMMUNICATION.
21. CONTRACTOR SHALL PROVIDE AND INSTALL ALL NECESSARY EQUIPMENT AT THE TRAFFIC SIGNAL AND AT THE CIVIC CENTER TO ESTABLISH FULL COMMUNICATIONS BETWEEN THE TRAFFIC SIGNAL AND THE CIVIC CENTER. THIS INCLUDES, BUT IS NOT LIMITED TO, CONNECTORS; FIBER OPTIC PIG TAILS; SPLICE CLOSURES; SPLICE ENCLOSURES; SPLICE TRAYS; CONNECTOR PANELS; PATCH PANELS; CORDS; ETC.
22. FURNISH AND INSTALL A BOSCH RUGGEDIZED HD (MIC-7230-W5) REMOTE-CONTROL CAMERA TO BE MOUNTED ON TRAFFIC SIGNAL POLE. THE CAMERA INSTALLATION IS TO INCLUDE ALL OTHER NECESSARY MODEMS, CABLING AND PROGRAMMING TO MAKE THE CAMERA OPERATIONAL.
   A. MIC-DCA-HWA: MIC HINGED DCA,WHITE; INCLUDES STAINLESS STEEL CONDUIT ADAPTER (MALE M25 TO FEMALE 3/4-INCH NPT)
   B. MIC-PMB: POLE MOUNT BRACKET
   C. MIC-WMB-WD-WD: MIC550/MIC612 WALL MOUNT BRACKET WHITE
   D. NPD-6001A: MIDSPAN, SINGLE PORT, 60W, AC IN

   INSTALLATION SHALL INCLUDE ALL TRENCHING; CONDUIT; CABLING; ANCILLARY EQUIPMENT; AND SPLICING BETWEEN THE NEAREST SPLICE VAULT OR PULL BOX; THE TRAFFIC SIGNAL CONTROLLER CABINET; AND THE NEW CAMERA.
23. CONTRACTOR SHALL ADJUST CONDUIT, PULL BOXES AND CABINET LOCATIONS TO CLEAR EXISTING UTILITY FACILITIES EXCEPT WITH REGARDS TO MINIMUM CONDUIT DEPTH.
24. FURNISH AND INSTALL SIGN AS NOTED ON PLANS ON TRAFFIC SIGNAL MAST ARM PER CALTRANS STANDARD PLAN ES-7N DETAIL "U".
25. FURNISH AND INSTALL SIGN AS NOTED ON PLANS ON SIGNAL POLE USING SADDLE BRACKET PER CALTRANS STANDARD PLAN RS4.

STANDARDS

TRAFFIC SIGNAL DESIGN AND INSTALLATION IN THE CITY OF VISTA SHALL CONFORM TO THE FOLLOWING:

1. CITY OF VISTA DEVELOPMENT CODE
2. CITY OF VISTA STANDARD DRAWINGS
3. THE LATEST EDITION OF CALTRANS STANDARD PLANS
4. THE LATEST EDITION OF CALTRANS STANDARD SPECIFICATIONS
5. THE LATEST EDITION OF CALTRANS STANDARD SPECIAL PROVISIONS
6. THE LATEST EDITION OF THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CA MUTCD)
7. THE LATEST EDITION OF THE CALTRANS TRAFFIC MANUAL (ONLY THE PARTS THAT ARE STILL IN EFFECT)
8. THE LATEST EDITION OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION ("GREEN BOOK"), INCLUDING SUPPLEMENTS THERETO
9. THE LATEST EDITION OF THE SAN DIEGO REGIONAL STANDARD DRAWINGS
10. PROJECT PLANS AND SPECIFICATIONS

THE ENGINEER OF WORK SHALL:

1. BE A CIVIL ENGINEER (NOT A TRAFFIC ENGINEER) WITH CURRENT CALIFORNIA REGISTRATION AND SHALL SIGN AND SEAL THE FINAL PLANS.
2. MEET WITH THE CITY'S PROJECT ENGINEER TO REVIEW DESIGN CONCEPTS AND SHALL PREPARE A "REDLINED" CONCEPT DRAWING FOR DISCUSSION.
3. OBTAIN AN ELECTRICAL SERVICE POINT USING THE APPLICABLE PROCESS FOR THE SERVING UTILITY.
4. PRIOR TO BEGINNING DESIGN, SEND A MAP OF THE AREA WHERE THE IMPROVEMENTS ARE PROPOSED TO ALL UTILITY COMPANIES (SAN DIEGO GAS & ELECTRIC, AT&T, COX COMMUNICATIONS, TIME WARNER CABLE, VISTA IRRIGATION DISTRICT, CITY OF VISTA, CITIES OF SAN MARCOS AND OCEANSIDE AND THE COUNTY OF SAN DIEGO IF PROJECT IS NEAR THEIR BOUNDARIES) SO THAT THE UTILITY COMPANIES CAN PROVIDE AS-BUILTS OF THEIR UTILITIES. NEXT, SEND TO THE UTILITY COMPANIES DRAFT DESIGN PLANS SHOWING THE PROPOSED IMPROVEMENTS ALONG WITH THE UTILITIES PLOTTED FROM THE AS-BUILTS SO THAT THE UTILITY COMPANIES CAN VERIFY THE LOCATION OF THEIR UTILITIES AND CHECK FOR CONFLICTS WITH THE PROPOSED IMPROVEMENTS. IF CONFLICTS ARE FORESEEN, UTILITY COMPANIES, AT THEIR DISCRETION, SHALL POTHOLE LOCATIONS OF POTENTIAL CONFLICTS PRIOR TO COMPLETION OF THE DESIGN PLANS. FINAL APPROVED DESIGN PLANS MUST ALSO BE SENT TO THE UTILITY COMPANIES FOR FINAL VERIFICATION OF UTILITY LOCATIONS AND CONFLICT CHECKS AND FOR USE IN UTILITY RELOCATION, IF NEEDED.
5. PERFORM AN AS-BUILT AND RECORD SEARCH TO DEPICT ON THE PLANS ALL EXISTING UTILITIES (WATER, SEWER, STORM DRAIN, TRAFFIC SIGNAL FIBER OPTIC, OTHER COMMUNICATIONS INFRASTRUCTURE, ETC.) WITHIN THE ENTIRE FOOTPRINT OF THE WORK AREA.
6. VERIFY THAT ALL EXISTING TRAFFIC SIGNAL EQUIPMENT AND ANY PROPOSED TRAFFIC IMPROVEMENTS CONFORM TO CURRENT STANDARDS. ADDITIONALLY, THE ENGINEER OF WORK SHALL VERIFY THAT EXISTING EQUIPMENT CAN BE RE-USED, REPLACED, SALVAGED AND/OR DISPOSED OF.
7. SUBMIT ELECTRONIC CAD AND PDF DRAWINGS REFLECTING AS-BUILT CHANGES AS SUBMITTED BY THE CONTRACTOR USING BUBBLES AND DELTAS. THE ENGINEERING DEPARTMENT WILL PLOT THE AS-BUILT, OBTAIN SIGNATURES AND FILE THE AS-BUILTS IN THE CITY'S SYSTEM. NOTE THAT THE ORIGINAL ELECTRONIC CAD FILE MUST BE SAVED SEPARATELY PRIOR TO MAKING ANY AS-BUILT CHANGES.

THIS PLAN IS VALID FOR 2 YEARS FROM APPROVAL

STORM WATER

INSPECTION PRIORITY _____ WDID _____

"AS BUILT"

_____ DATE _____

RCE _____ EXP. _____

REVIEWED BY:

_____ DATE _____

INSPECTOR

NOTE:
REMOVE THESE FOUR BOXES IF THIS SHEET IS NOT THE FIRST SHEET IN THE PLAN SET.

UNDERGROUND SERVICE ALERT

SECTION 4216 & 4217 OF THE GOVERNMENT CODE REQUIRES A DIG ALERT IDENTIFICATION NUMBER BE ISSUED BEFORE A "PERMIT TO EXCAVATE" WILL BE VALID. FOR YOUR DIG ALERT I.D. NUMBER CALL UNDERGROUND SERVICE ALERT AT 811 TWO (2) WORKING DAY BEFORE YOU DIG.
WEB ADDRESS: www.digalert.org or www.call811.com

CITY OF VISTA FIRE DEPARTMENT

_____ _____
APPROVED DATE

VISTA IRRIGATION DISTRICT

THE APPROVAL GIVEN HERE IS FOR THE GRADING LAYOUT AND IS NOT FOR THE CONSTRUCTION OF ANY PUBLIC WATER FACILITIES THAT MAY BE SHOWN HEREON. NOR DOES IT IMPLY THAT WATER SERVICE WILL BE PROVIDED.

_____ _____ _____
APPROVED **RCE** **DATE**

CITY OF VISTA SANITATION DEPARTMENT

BASIN:

_____ _____
APPROVED DATE

NO.	DESCRIPTION	CITY	DATE	VID	DATE

APPROVED CHANGES

ENGINEER OF WORK

_____ ___ _____ _____
ENGINEER OF WORK LIC# EXP.LIC.DATE DATE

PLACE STAMP HERE

CITY of VISTA

TRAFFIC SIGNAL PLANS FOR:

XXXXXXXXXXXXXX

TITLE SHEET

APPROVED

_____ 55075 06/30/18
CITY ENGINEER RCE EXPIRES DATE

BENCHMARK:

SHEET X OF XX

DWG-XXXX

LEVEL OF COMPLETENESS XX%

P.C.:_____ LD#:_____ GP#:_____

Plotted - 7/2/2020 4:18:35 PM :: Saved - 7/2/2020 4:16:52 PM :: O:\Engineering\Department Only\Traffic\(Traffic Signals)\Guidelines & Title Sheets\Title Sheets\2017\Private\AutoCAD\Traffic Signal Interconnect Title Private 2017.dwg :: Mrehfeldt