

MATCHLINE STA 397+00 SEE BELOW RIGHT

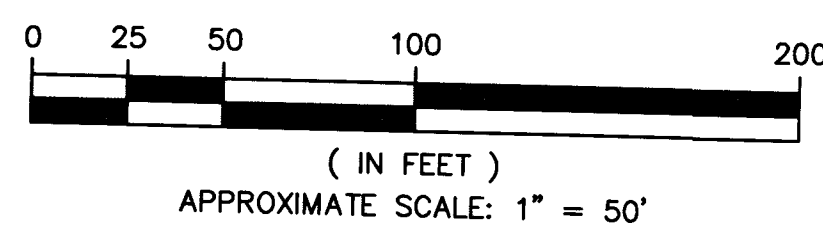
MATCHLINE STA 407+00 SEE SHEET IP-20

SIGNAL HEAD NOTE
REPLACE NORTHBOUND AND SOUTHBOUND MAST ARM MOUNTED SIGNAL HEADS AND BACKPLATES WITH NEW IN KIND SIGNAL HEADS AND REFLECTIVE BACKPLATES. SEE TABLE 2, SHEET D-5 AND SP 623.

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NOTES:
1. PROTECT EXISTING SWG FACILITIES WHEN TRENCHING.
2. MAINTAIN MINIMUM 3 FEET HORIZONTAL AND 12 INCHES VERTICAL SEPARATION BETWEEN CONDUIT AND WATERLINES.

APPROVED FOR CONSTRUCTION
Las Vegas Valley Water District Engineering Services Manager
Project No. 111464 Date:



*STATIONS SHOWN ARE FOR REFERENCE ONLY

OR&A
Orth-Rodgers and Associates, Inc.
TRANSPORTATION ENGINEERS and PLANNERS
3130 South Durango Drive, Suite 404
Las Vegas, NV 89117 (702) 233-4060

REMOVAL NOTES

- 3 REMOVE EXISTING #7 PULLBOX
- 14 REMOVE EXISTING #5 PULLBOX AND JOIN CONDUIT TO MAKE CONTINUOUS
- 15 REMOVE AND SALVAGE CONTROLLER CABINET

CONSTRUCTION NOTES

- 1 VERIFY PATH, REMOVE EXISTING INTERCONNECT CABLE, CLEAN OUT AND RECONDITION EXISTING CONDUIT TO ACCOMMODATE FIBER OPTIC CABLE PER SP623.05
- 2 EXISTING 2" CONDUIT
- 4 EXISTING P-30 PULLBOX
- 7 EXISTING #7 PULLBOX
- 8 EXISTING TYPE 200 SPLICE VAULT
- 11 INSTALL PRECAST P-30 PULLBOX SEE DETAILS SHEET D-1
- 12 INSTALL TYPE 200 SPLICE VAULT SEE DETAILS SHEET D-1
- 13 INSTALL 72 STRAND FIBER OPTIC TRUNK LINE AND A 6 PAIR PE39 NO 22 AWG TRACER IN EXISTING CONDUIT
- 14 INSTALL CDCA UNIT IN CONTROLLER CABINET
- 15 INTERCEPT EXISTING INTERCONNECT CONDUIT
- 16 INSTALL DYNAMIC MESSAGE SIGN PER PER DETAILS, SHEET D-6. DMS POLE TO BE FIELD VERIFIED.
- 17 INSTALL 334 CABINET AND FOUNDATION PER DETAIL 2 SHEET D-2
- 19 INSTALL CAT 5 CABLE IN CONDUIT FOR COUNT STATION RADAR
- 20 INSTALL CAT 5 CABLE IN CONDUIT FOR DYNAMIC MESSAGE SIGN
- 23 INSTALL COUNTING EQUIPMENT IN 334 CABINET PER DETAIL 1 SHEET D-2
- 26 INSTALL CCTV WITH 10' RISER PER CCUSD NO. 766. SEE DETAILS SHEET D-4
- 27 INSTALL CCTV CABLE IN EXISTING CONDUIT
- 28 UPGRADE PHASE SELECTOR CARD FOR OPTICOM SENSOR TO A GT764 AND A GTT 768 AUXILIARY INTERFACE PANEL (AIP).
- 31 INSTALL FIBER OPTIC SPLICE WITHIN ENCLOSURE PER DIAGRAM SHEETS IP-26 THRU IP-29
- 32 CONTRACTOR TO SUPPLY A VIDEO ENCODER AND A LAYER 2 FIELD-HARDENED ETHERNET SWITCH TO FAST PER THE RTC UNIFORM STANDARD SPECIFICATION 685 AND 684 RESPECTIVELY, INSTALLATION BY FAST
- 34 INSTALL 4" CONDUIT IN TRANSVERSE TRENCH PER DETAIL A SHEET D-2
- 36 PROTECT IN PLACE EXIST 3" CONDUIT AND 25 PAIR INTERCONNECT CABLE
- 42 EXISTING 3" CONDUIT
- 43 EXISTING 4" CONDUIT
- 44 INSTALL (2) COUNT STATION RADAR UNITS, ONE NORTHBOUND AND ONE SOUTHBOUND
- 45 INSTALL 2" CONDUIT UNDER EXISTING SIDEWALK
- 49 INSTALL 3" CONDUIT UNDER EXISTING SIDEWALK
- 56 INSTALL ABOVE GROUND PEDESTAL PER NDOT STANDARD DWG T-36.1.1. SURROUND PEDESTAL WITH BARRIER RAIL AND IMPACT ATTENUATOR AT EACH END PER NDOT STANDARD DWGS R-8.6.1 AND R-8.6.2. SEE SHEET D-7 FOR STANDARD DETAILS.
- 58 CONNECT (2) #1/0 THW AND (1) #1/0 WHITE THW TO EXISTING VAULT. INSTALL 125 AMP SERVICE PEDESTAL AND FOUNDATION
- 62 CONTRACTOR TO CONTACT NEVADA POWER TO COORDINATE CONNECTION TO EXISTING VAULT AND SERVICE PEDESTAL (INCIDENTAL TO SERVICE PEDESTAL PAY ITEM)
- 63 CONNECT (3) #4 THW (WHITE, BLACK, AND GREEN) TO SERVICE PEDESTAL AND CONTROLLER CABINET (INCIDENTAL TO SERVICE PEDESTAL PAY ITEM)
- 65 INSTALL #7 PULLBOX LABELED "FIBER" PER CCUSD DWG NO. 707
- 70 PROTECT IN PLACE EXISTING 2" CONDUIT AND 25 PAIR INTERCONNECT CABLE
- 72 INSTALL CDCA ITS DROP CABLE GP2G012FR-60 AND 6 PAIR PE39 NO 22 AWG TRACER IN CONDUIT
- 73 INSTALL TYPE VIII CABINET, COMMONLY REFERRED TO AS A TYPE "R" CABINET ON EXISTING TYPE "I" FOUNDATION. THE CABINET SHALL HAVE TWO (2) RACK-MOUNTED, 12 SLOT, LOOP DETECTION RACKS WITH 2 DETECTOR LOOP CHANNELS PER SLOT FULLY WIRED SO THAT ALL CHANNELS ARE USABLE, WITH 4 CHANNEL SLOTS THAT CAN ACCOMMODATE VIDEO DETECTION CARRDS. THE CABINET SHALL CONFORM TO THE UNIFORM STANDARD DRAWINGS, SPECIFICATIONS AND SPECIAL PROVISIONS, CLARK COUNTY AREA, NEVADA
- 74 THE CONTRACTOR SHALL FURNISH NEW NAZTEC 980 ATC TS2 TYPE 2 NTCIP COMPLIANT SIGNAL CONTROLLER OR NEW SIEMENS EAGLE M-53 SIGNAL CONTROLLER, FOURTEEN DAYS PRIOR TO SIGNAL TURN-ON FOR TESTING PURPOSES. THE CONTRACTOR SHALL DELIVER THE CONTROLLER TO, AND PICK UP CONTROLLER AT 2801 EAST CHARLESTON BOULEVARD. CONTRACTOR SHALL NOTIFY THE TRAFFIC SIGNAL REPAIR SHOP (229-6075) SEVEN DAYS PRIOR TO PICKUP.
- 76 UPGRADE VIDEO DETECTION SYSTEM WITH ETHERNET CAPABILITIES, COLOR CAMERAS, AND CABLE USING EXISTING CONDUIT. SEE SHEET D-5 FOR DETAILS.
- 80 INSTALL 3" CONDUIT IN LANDSCAPE AREA, RESTORE LANDSCAPE TO ORIGINAL CONDITION
- 90 UPGRADE EXISTING PEDESTRIAN PUSH BUTTON TO AN AUDIBLE-TACTILE PEDESTRIAN SYSTEM USING EXISTING CONDUIT AND CABLE.
- 91 UPGRADE SIDEWALK RAMP PER CCUSD NO 235
- 92 REMOVE AND REPLACE SIDEWALK PANEL FOR THE WET INSTALLATION OF THE TACTILE WARNING STRIP PER CCUSD NO 235 (4 OF 4).

SAFETY ALERT
Call 811 Before You Overhead
1-702-227-2929

Call 811 Before You Dig
UnderGround
1-702-432-5300
F.A.S.T.
1-702-455-7544

REVISIONS ADDENDUM NO. 1 1 1/7/13 2 5/9/14 3 7/24/14		DESCRIPTION PULLBOX AND CONDUIT CHANGES BASED IN FIELD VERIFICATION NDOT PERMIT AMENDMENT
ENGINEERING DESIGN SECTION CITY ENGINEER: DAVID N. BOWERS, P.E., P.T.O.E. PROJECT MANAGER: LORRAINE LINNET DUNFORD, P.E. DESIGNED BY: JWS DRAWN BY: JWS CHECKED BY: RM HORIZONTAL SCALE: AS SHOWN VERTICAL SCALE: NONE DATE: 2013-04-02		
DEPARTMENT OF PUBLIC WORKS CLV ITS INFRASTRUCTURE - CORRIDOR 2 RANCHO DRIVE TRAFFIC SIGNAL INTERCONNECT INFRASTRUCTURE UPGRADE PLAN STA 387+00 TO STA 407+00		
TITLE: IP-19 SHEET: 22 of 42 DRAWING NO: 107V4475-FIB CLV BID NO: 11730-20		