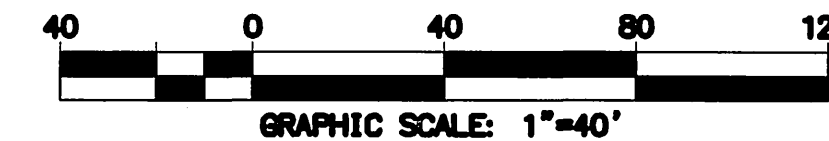


**CONSTRUCTION NOTES**

- 1 INSTALL "TYPE E" DETECTOR LOOPS UNLESS OTHERWISE NOTED. SPLICE TO DLC(S) AT ADJACENT PULLBOX. UNLESS OTHERWISE NOTED.
- SC SPLICE NEW TO EXISTING CONDUCTORS
- AB ABANDON EXISTING EQUIPMENT
- 7 INSTALL NEW RIGID METAL CONDUIT AS NOTED (REPULL EXISTING SIGNAL CONDUCTORS) AND INSTALL NEW DLC'S FOR LOOPS 5JU AND 212L
- 2 INSTALL No. 6 PULL BOX AT 400' MAXIMUM SPACING (UNLESS OTHERWISE NOTED) PER DETAIL "A". PULL BOX LIDS SHALL BE LABELED "COMMUNICATION".
- 3 INSTALL NEW 4-1" HIGH DENSITY POLYETHYLENE (HDPE) SCHEDULE 80 CONDUITS PER SPECIAL PROVISIONS.
- 4 INSTALL INTERCONNECT CONDUIT INTO CONTROLLER CABINET PER DETAIL "B" ON PLAN XL-531, SHEET 3.
- 5 INSTALL 72 STRAND SINGLE-MODE FIBER OPTIC CABLE IN PROPOSED CONDUIT AS NOTED. COIL 10' OF SLACK IN EACH NO. 6 PULL BOX, UNLESS OTHERWISE NOTED.
- 6 INSTALL FIBER OPTIC VAULT EQUIPPED WITH CABLE RACKS. FIBER OPTIC VAULT LID SHALL BE LABELED "FIBER OPTICS".
- 7 COIL AND TERMINATE 300' OF 72 STRAND SINGLE-MODE FOC IN PROPOSED FIBER OPTIC VAULT.
- 8 INSTALL 1-6 PR #19 SIC AND PATCH PANEL IN PROPOSED CONDUIT (FROM SPLICE ENCLOSURE TO CONTROLLER CABINET)
- 9 INSTALL UNDERGROUND SPLICE CLOSURE
- 10 TERMINATE 1-6 PR #19 IN SPLICE CABINET
- 11 FURNISH AND INSTALL FIBER OPTIC TRANSMITTER/TRANSRECEIVER AND FIBER PATCH PANEL IN CONTROLLER CABINET. PATCH PANEL SHALL TERMINATE IN SPLICE CABINET. FURNISH ALL THE NECESSARY EQUIPMENT AND APPURTENANCES TO PROVIDE THE INTENDED OPERATION.
- 12 REMOVE AND SALVAGE TO CITY YARD EXISTING TYPE 90 CONTROLLER AND TYPE "P" CABINET. FURNISH AND INSTALL NEW 170E CONTROLLER HOUSED IN MODEL 332 CABINET ON A NEW FOUNDATION. REMOVE EXISTING FOUNDATION COMPLETELY.
- 13 INSTALL CONDUIT PER JACK AND BORE METHOD

**LEGEND**

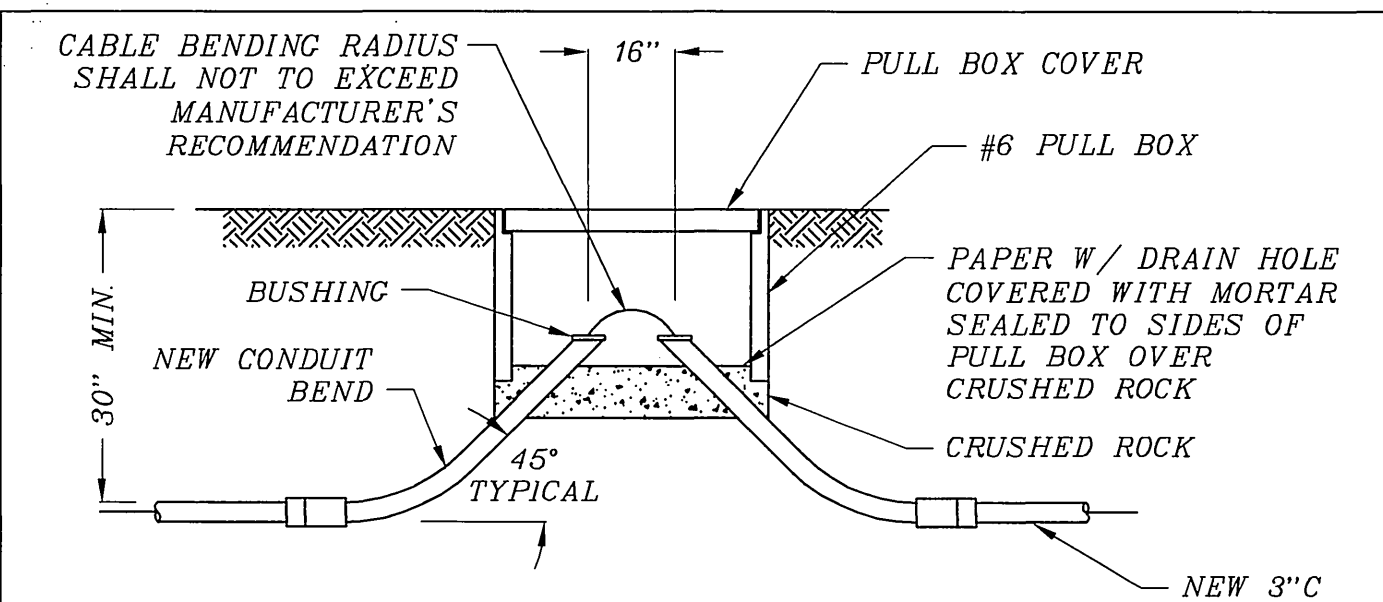
- INDICATES NEW SIGN(S) AND/OR POST TO BE FURNISHED AND INSTALLED BY CONTRACTOR PER STD. DWG. NO. 666.
- PROPOSED UNDERGROUND SPLICE CLOSURE



**PAVEMENT DELINEATION**

- INDICATES STRIPING AND PAVEMENT MARKINGS TO BE INSTALLED.
- INDICATES STRIPING AND PAVEMENT MARKINGS TO REMAIN.

**NOTE:** ALL PAVEMENT DELINEATION WORK SHALL BE PERFORMED BY THE CONTRACTOR. REMOVE ALL CONFLICTING STRIPING, LEGENDS AND MARKINGS.



**DETAIL "A"**  
PULL BOX INSTALLATION W/ FIBER OPTIC SIC  
NOT TO SCALE

**GENERAL NOTES**

- 1 ALL PAVEMENT DELINEATION REQUIREMENTS SHALL BE COMPLETED AT LEAST ONE DAY PRIOR TO TURN ON.
- 2 ALL STRIPING AND PAVEMENT MARKINGS SHALL BE THERMOPLASTIC, UNLESS OTHERWISE NOTED.
- 3 ALL CONFLICTING STRIPING, MARKINGS AND LEGENDS SHALL BE REMOVED BY GRINDING AND OVERLAY OF ROADWAY OR AS DETERMINED BY THE ENGINEER.
- 4 PROTECT IN PLACE ALL MEDIAN PULL BOXES. CONTRACTOR SHALL REPLACE PULL BOXES, CONDUITS, CONDUCTORS OR OTHER TRAFFIC FACILITIES IF DAMAGED.
- 5 CONTRACTOR SHALL RE-INSTALL ANY SIGNAGE THAT WAS REMOVED DURING CONSTRUCTION.
- 6 IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE THE CORRECT CONDUCTORS, DLC(S), DETECTOR CHANNELS, ETC. FOR THE INTENDED OPERATIONS. THE CONTRACTOR SHALL FIELD VERIFY EXISTING PULL BOXES AND TRAFFIC FACILITIES TO ENSURE PROPER OPERATION.
- 7 DETECTOR LOOPS SHALL BE INSTALLED IN THE PRESENCE OF THE TRAFFIC ENGINEER OR HIS REPRESENTATIVE.
- 8 TYPICAL DETECTOR LOOP SPACING: 10', 15' AND 30' (WHERE APPLICABLE).
- 9 THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL UNDERGROUND UTILITIES INCLUDING THE ACTUAL LOCATION AND ELEVATION, IF REQUIRED, IN THE FIELD PRIOR TO BEGINNING CONSTRUCTION OF THE NEW IMPROVEMENTS INCLUDING FIBER OPTIC CABLE INSTALLATION.

**STRIPING LEGEND**

- (INSTALL CALTRANS DETAIL PER NOTE NOTED, INCLUDING INSTALLATION OF PAVEMENT MARKERS)
- A 4" SOLID WHITE STRIPE (STD. PLAN A20A)
  - B 4" DASH WHITE STRIPE (STD. PLAN A20A, DETAIL 12)
  - C 6" SOLID WHITE STRIPE (STD. PLAN A20D, DETAIL 39)
  - D 6" DASH WHITE STRIPE (STD. PLAN A20D, DETAIL 39A)
  - E 8" SOLID WHITE STRIPE (STD. PLAN A20D, DETAIL 38)
  - F 12" SOLID WHITE STRIPE (STD. PLAN A24E)
  - G DOUBLE YELLOW STRIPE (STD. PLAN A20A, DETAIL 22)
  - H SOLID WHITE "BIKE LANE" STENCIL AND ARROW
  - I SOLID WHITE ARROW (STD. PLAN A24A, TYPE IV)
  - J SOLID YELLOW LEFT EDGELINE STRIPE (STD. PLAN A20B, DETAIL 25A)

**ENGINEER IN RESPONSIBLE CHARGE**

GILBERT M. HERNANDEZ  
R.C.E. No. 69170 expires 6-30-08

DATE: 12-8-06

MARK	REVISIONS	APPR.	DATE

DESIGNED BY: DMC DRAWN BY: DMC CHECKED BY:  

**CITY OF RIVERSIDE, CALIFORNIA  
DEPARTMENT OF PUBLIC WORKS**

APPROVED BY	DATE	APPROVED BY	DATE
PRINCIPAL ENGINEER	12/11/06	CITY ENGINEER	12/11/06

TRAFFIC DIVISION

**SIGNING & STRIPING / SIC PLAN**

**CHICAGO AVE.  
FROM ALESSANDRO BLVD.  
TO CENTRAL AVE.**

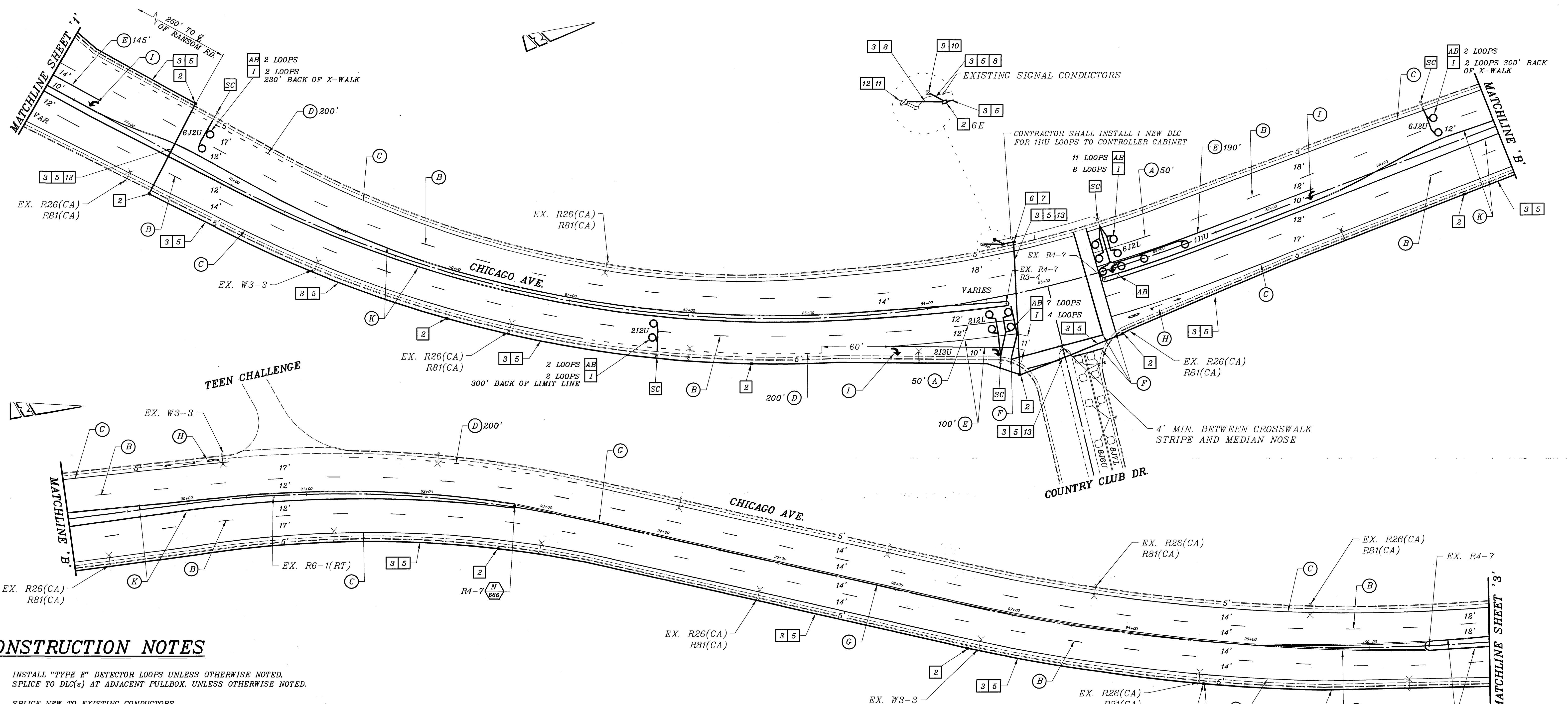
SCALE: 1" = 40'

ACCT. NO.

**XL-531**

SHEET 1 OF 3

FILE NAME: XLS31-1.DWG



**CONSTRUCTION NOTES**

- 1 INSTALL "TYPE F" DETECTOR LOOPS UNLESS OTHERWISE NOTED. SPLICE TO DLC(S) AT ADJACENT PULLBOX. UNLESS OTHERWISE NOTED.
- SC SPLICE NEW TO EXISTING CONDUCTORS
- AB ABANDON EXISTING EQUIPMENT
- RS REMOVE & SALVAGE EQUIPMENT TO CITY YARD
- 1 NOT USED
- 2 INSTALL No. 6 PULL BOX AT 400' MAXIMUM SPACING (UNLESS OTHERWISE NOTED) PER DETAIL "A". PULL BOX LIDS SHALL BE LABELED "COMMUNICATION"
- 3 INSTALL NEW 4-1" HIGH DENSITY POLYETHYLENE (HDPE) SCHEDULE 80 CONDUITS PER SPECIAL PROVISIONS.
- 4 NOT USED
- 5 INSTALL 72 STRAND SINGLE-MODE FIBER OPTIC CABLE IN PROPOSED CONDUIT AS NOTED. COIL 10' OF SLACK IN EACH No. 6 PULL BOX, UNLESS OTHERWISE NOTED.
- 6 INSTALL FIBER OPTIC VAULT EQUIPPED WITH CABLE RACKS. FIBER OPTIC VAULT LID SHALL BE LABELED "FIBER OPTICS".
- 7 COIL AND TERMINATE 300' OF 72 STRAND SINGLE-MODE FOC IN PROPOSED FIBER OPTIC VAULT.
- 8 INSTALL 1-6 PR #19 SIC AND PATCH PANEL IN PROPOSED CONDUIT (FROM SPLICE ENCLOSURE TO CONTROLLER CABINET)
- 9 INSTALL UNDERGROUND SPLICE CLOSURE
- 10 TERMINATE 1-6 PR #19 IN SPLICE CABINET
- 11 FURNISH AND INSTALL FIBER OPTIC TRANSMITTER/TRANSRECEIVER AND FIBER PATCH PANEL IN CONTROLLER CABINET. PATCH PANEL SHALL TERMINATE IN SPLICE CABINET. FURNISH ALL THE NECESSARY EQUIPMENT AND APPURTENANCES TO PROVIDE THE INTENDED OPERATION.
- 12 REMOVE AND SALVAGE TYPE 90 CONTROLLER AND TYPE "P" CABINET TO CITY YARD. FURNISH AND INSTALL NEW 170E CONTROLLER HOUSED IN MODEL 332 CABINET ON NEW FOUNDATION. REMOVE EXISTING FOUNDATION COMPLETELY.
- 13 INSTALL CONDUIT PER JACK AND BORE OR DIRECTIONAL BORE METHOD, STARTING AT APPROX. STA 98+65. CONTRACTOR SHALL REPLACE A PANEL OF SIDEWALK PER CITY OF RIVERSIDE STANDARDS WHEN INSTALLING THE No. 6 PULL BOXES IF APPLICABLE.

**STRIPING LEGEND**

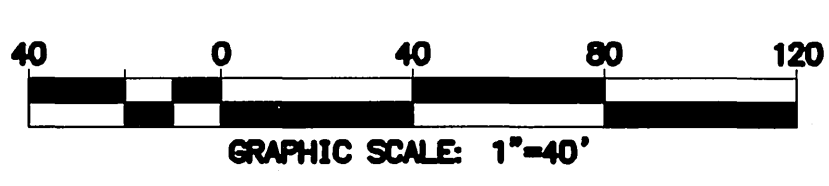
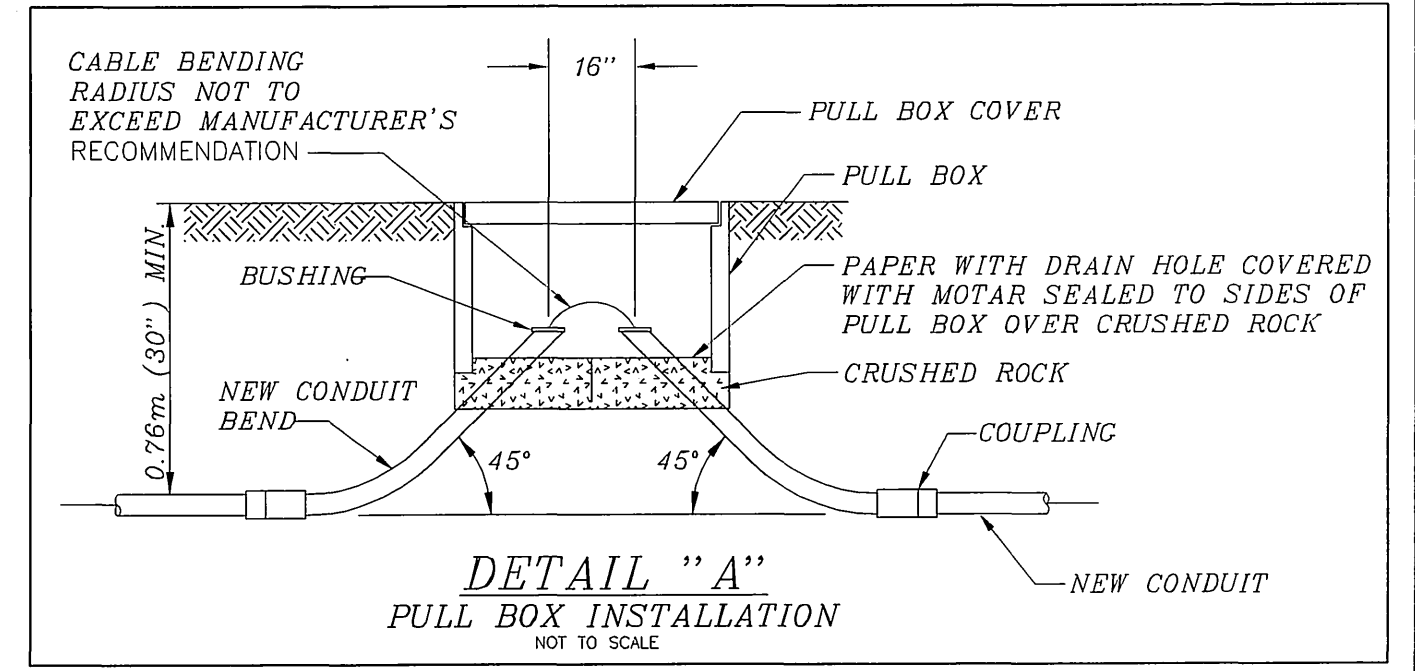
(INSTALL CALTRANS DETAIL PER NOTE NOTED, INCLUDING INSTALLATION OF PAVEMENT MARKERS)

- (A) 4" SOLID WHITE STRIPE (STD. PLAN A20A)
- (B) 4" DASH WHITE STRIPE (STD. PLAN A20A, DETAIL 12)
- (C) 6" SOLID WHITE STRIPE (STD. PLAN A20D, DETAIL 39)
- (D) 6" DASH WHITE STRIPE (STD. PLAN A20D, DETAIL 39A)
- (E) 8" SOLID WHITE STRIPE (STD. PLAN A20D, DETAIL 38)
- (F) 12" SOLID WHITE STRIPE (STD. PLAN A24E)
- (G) DOUBLE YELLOW STRIPE (STD. PLAN A20A, DETAIL 22)
- (H) SOLID WHITE "BIKE LANE" STENCIL AND ARROW
- (I) SOLID WHITE ARROW (STD. PLAN A24A, TYPE IV)
- (J) DOUBLE YELLOW MEDIAN ISLAND STRIPE WITH TYPE H MARKERS (STD. PLAN A20B, DETAIL 29)
- (K) SOLID YELLOW LEFT EDGELINE STRIPE (STD. PLAN A20B, DETAIL 25A)

**LEGEND**

- INDICATES NEW SIGN(S) AND/OR POST TO BE FURNISHED AND INSTALLED BY CONTRACTOR PER STD. DWG. NO. 666.
- PROPOSED UNDERGROUND SPLICE CLOSURE

**NOTE:**  
SEE SHEET 1 FOR GENERAL AND PAVEMENT DELINEATION NOTES.



**ENGINEER IN RESPONSIBLE CHARGE**

GILBERT M. HERNANDEZ  
R.C.E. No. 69170 expires 6-30-08

DATE: 12-8-06

**CITY OF RIVERSIDE, CALIFORNIA  
DEPARTMENT OF PUBLIC WORKS**

APPROVED BY: *[Signature]* DATE: 12/1/06  
PRINCIPAL ENGINEER: *[Signature]* DATE: 12/1/06  
TRAFFIC DIVISION

**SIGNING & STRIPING / SIC PLAN**

**CHICAGO AVE.  
FROM ALESSANDRO BLVD.  
TO CENTRAL AVE.**

SCALE: 1" = 40'

ACCT. NO. **XL-531**

SHEET **2** OF **3**

FILE NAME: XL531-2.DWG

# STRIPING LEGEND

(INSTALL CALTRANS DETAIL PER NOTE NOTED, INCLUDING INSTALLATION OF PAVEMENT MARKERS)

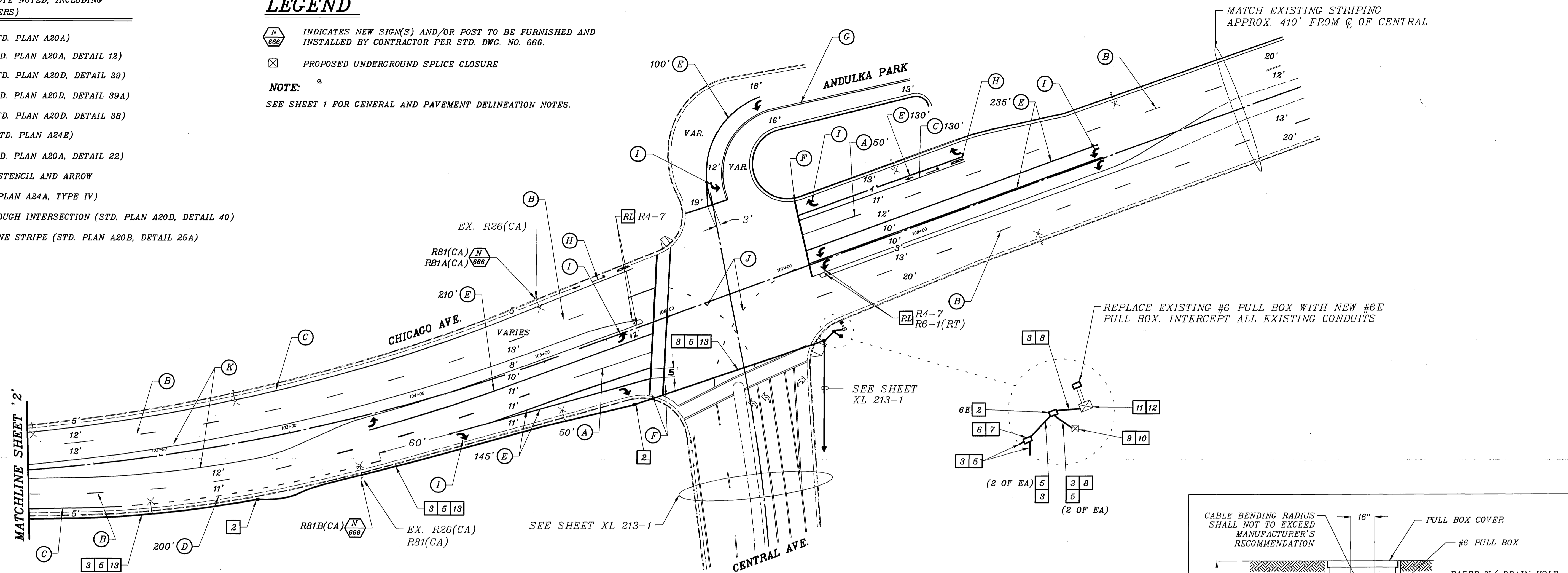
- (A) 4" SOLID WHITE STRIPE (STD. PLAN A20A)
- (B) 4" DASH WHITE STRIPE (STD. PLAN A20A, DETAIL 12)
- (C) 6" SOLID WHITE STRIPE (STD. PLAN A20D, DETAIL 39)
- (D) 6" DASH WHITE STRIPE (STD. PLAN A20D, DETAIL 39A)
- (E) 8" SOLID WHITE STRIPE (STD. PLAN A20D, DETAIL 38)
- (F) 12" SOLID WHITE STRIPE (STD. PLAN A24E)
- (G) DOUBLE YELLOW STRIPE (STD. PLAN A20A, DETAIL 22)
- (H) SOLID WHITE "BIKE LANE" STENCIL AND ARROW
- (I) SOLID WHITE ARROW (STD. PLAN A24A, TYPE IV)
- (J) LANE LINE EXTENSION THROUGH INTERSECTION (STD. PLAN A20D, DETAIL 40)
- (K) SOLID YELLOW LEFT EDGELINE STRIPE (STD. PLAN A20B, DETAIL 25A)

# LEGEND

INDICATES NEW SIGN(S) AND/OR POST TO BE FURNISHED AND INSTALLED BY CONTRACTOR PER STD. DWG. NO. 666.

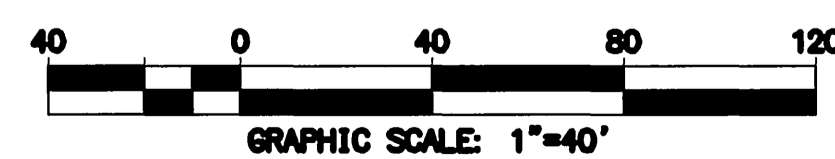
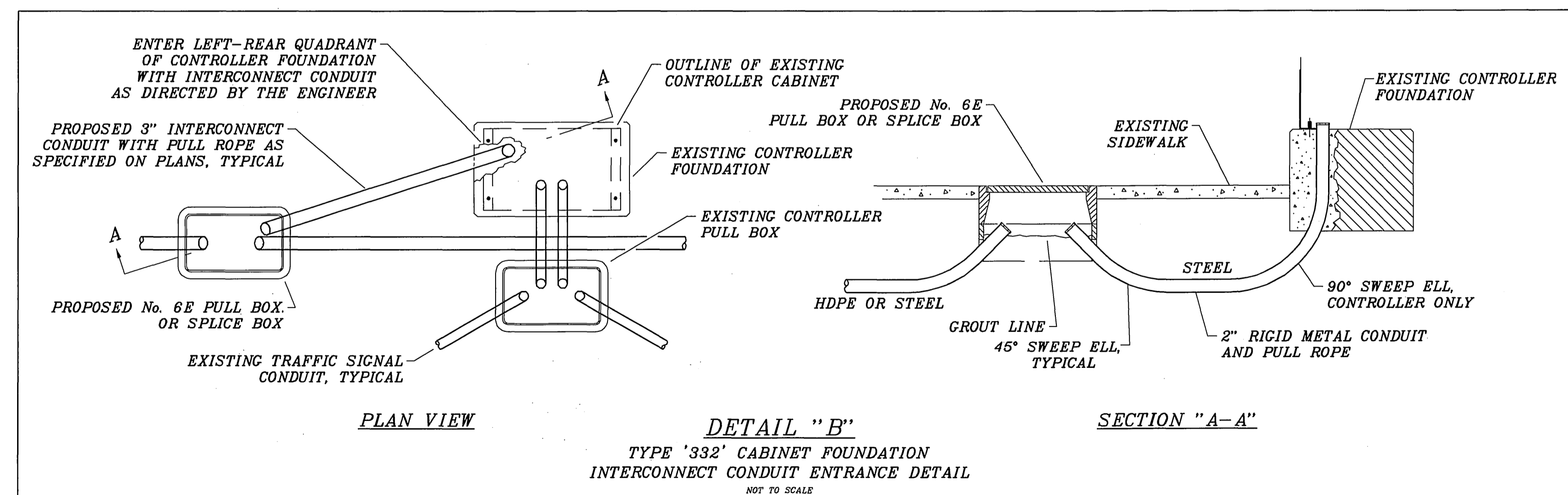
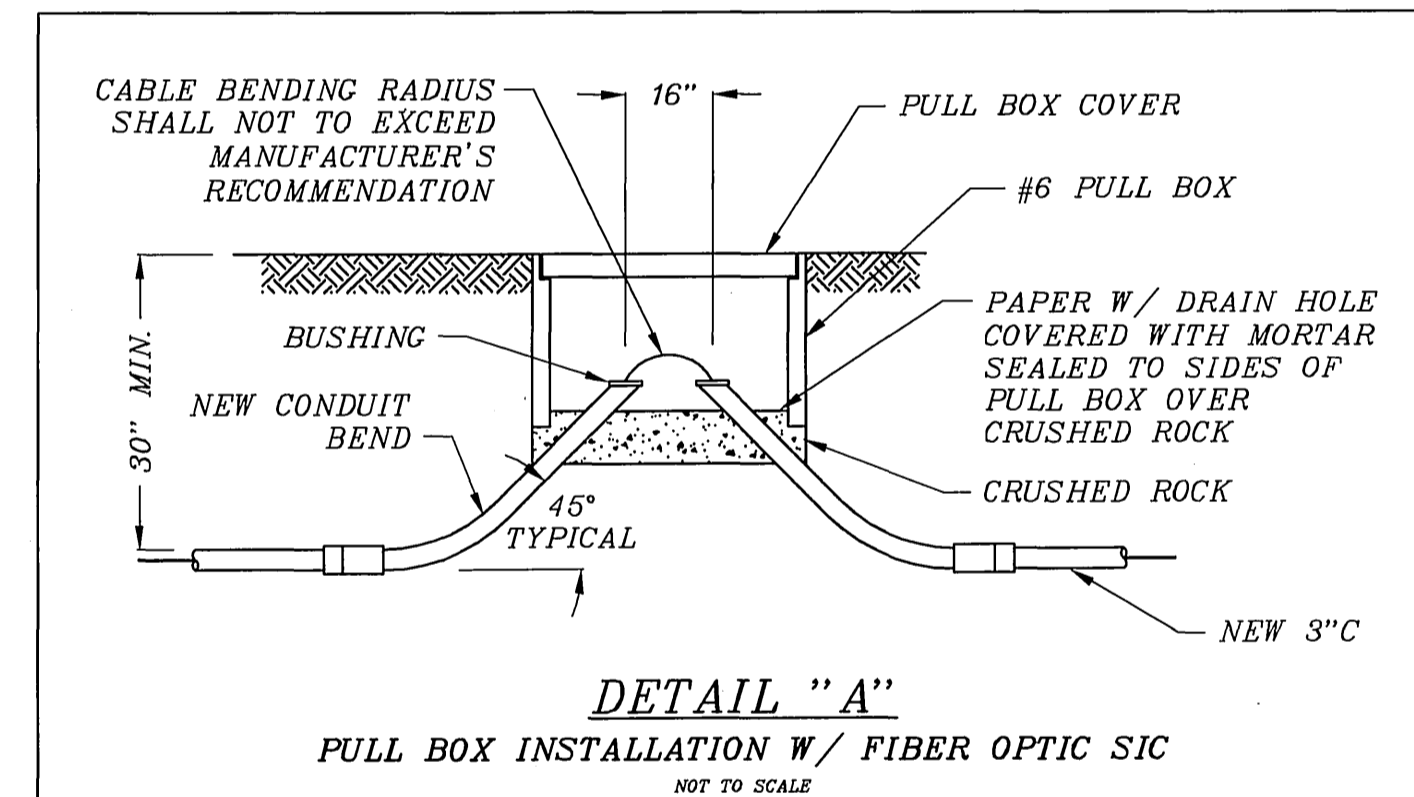
PROPOSED UNDERGROUND SPLICE CLOSURE

**NOTE:**  
SEE SHEET 1 FOR GENERAL AND PAVEMENT DELINEATION NOTES.

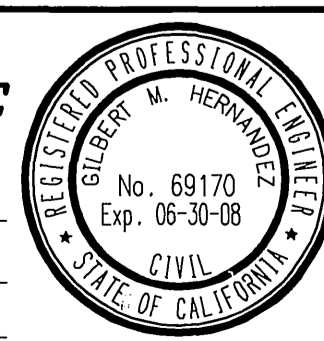


# CONSTRUCTION NOTES

- [1] INSTALL "TYPE E" DETECTOR LOOPS UNLESS OTHERWISE NOTED. SPLICE TO DLG(S) AT ADJACENT PULLBOX, UNLESS OTHERWISE NOTED.
- [2] SPLICE NEW TO EXISTING CONDUCTORS
- [3] ABANDON EXISTING EQUIPMENT
- [4] REMOVE & SALVAGE EQUIPMENT TO CITY YARD
- [5] NOT USED
- [6] INSTALL No. 6 PULL BOX AT 400' MAXIMUM SPACING (UNLESS OTHERWISE NOTED) PER DETAIL "A". PULL BOX LIDS SHALL BE LABELED "COMMUNICATION"
- [7] INSTALL NEW 4-1" HIGH DENSITY POLYETHYLENE (HDPE) SCHEDULE 80 CONDUITS PER SPECIAL PROVISIONS.
- [8] NOT USED
- [9] INSTALL 72 STRAND SINGLE-MODE FIBER OPTIC CABLE IN PROPOSED CONDUIT AS NOTED. COIL 10' OF SLACK IN EACH No. 6 PULL BOX, UNLESS OTHERWISE NOTED.
- [10] INSTALL FIBER OPTIC VAULT EQUIPPED WITH CABLE RACKS. FIBER OPTIC VAULT LID SHALL BE LABELED "FIBER OPTICS"
- [11] COIL AND TERMINATE 300' OF 72 STRAND SINGLE-MODE FOC IN PROPOSED FIBER OPTIC VAULT.
- [12] INSTALL 1-6 PR #19 SIC AND PATCH PANEL IN PROPOSED CONDUIT (FROM SPLICE ENCLOSURE TO CONTROLLER CABINET)
- [13] INSTALL UNDERGROUND SPLICE CLOSURE
- [14] TERMINATE 1-6 PR #19 IN SPLICE CABINET
- [15] FURNISH AND INSTALL FIBER OPTIC TRANSMITTER/TRANSRECEIVER AND FIBER PATCH PANEL IN CONTROLLER CABINET. PATCH PANEL SHALL TERMINATE IN SPLICE CABINET. FURNISH ALL THE NECESSARY EQUIPMENT AND APPURTENANCES TO PROVIDE THE INTENDED OPERATION.
- [16] SEE SHEET X-445A FOR THE REPLACEMENT OF THE TRAFFIC CONTROLLER, CONTROLLER CABINET AND FOUNDATION.
- [17] INSTALL CONDUIT PER JACK AND BORE OR DIRECTIONAL BORE METHOD, STARTING AT APPROX. STA 98+65. CONTRACTOR SHALL REPLACE A PANEL OF SIDEWALK PER CITY OF RIVERSIDE STANDARDS WHEN INSTALLING THE No. 6 PULL BOXES IF APPLICABLE.



**ENGINEER IN RESPONSIBLE CHARGE**  
GILBERT M. HERNANDEZ  
R.C.E. No. 69170 expires 6-30-08  
DATE 12-14-06



MARK	REVISIONS	APPR.	DATE

**CITY OF RIVERSIDE, CALIFORNIA**  
**DEPARTMENT OF PUBLIC WORKS**  
APPROVED BY: *[Signature]* DATE: 12/15/06  
PRINCIPAL ENGINEER  
TRAFFIC DIVISION  
DATE: 12/15/06

**SIGNING & STRIPING / SIC PLAN**  
**CHICAGO AVE.**  
**FROM ALESSANDRO BLVD.**  
**TO CENTRAL AVE.**  
SCALE: 1" = 40'

ACCT. NO.  
**XL-531**  
SHEET 3 OF 3  
FILE NAME: XL531-3.DWG