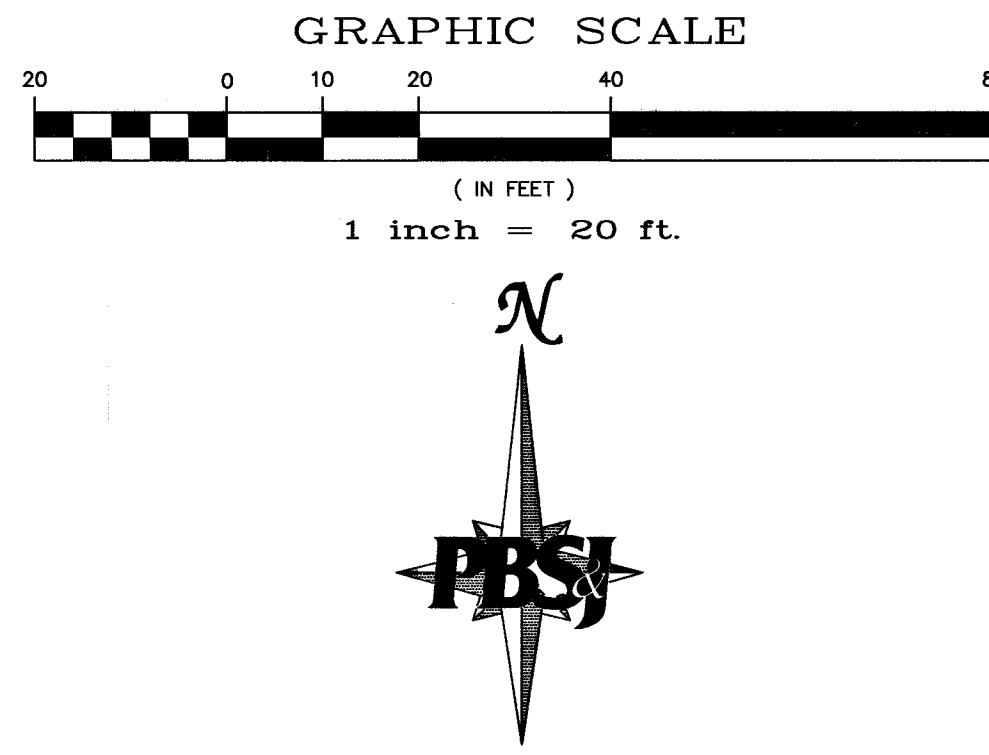


Call before you Dig  
1-800-227-2600  
Nevada Power Environment and Safety Services Department

Call before you Overhead  
1-702-593-6111  
Nevada Power Environment and Safety Services Department

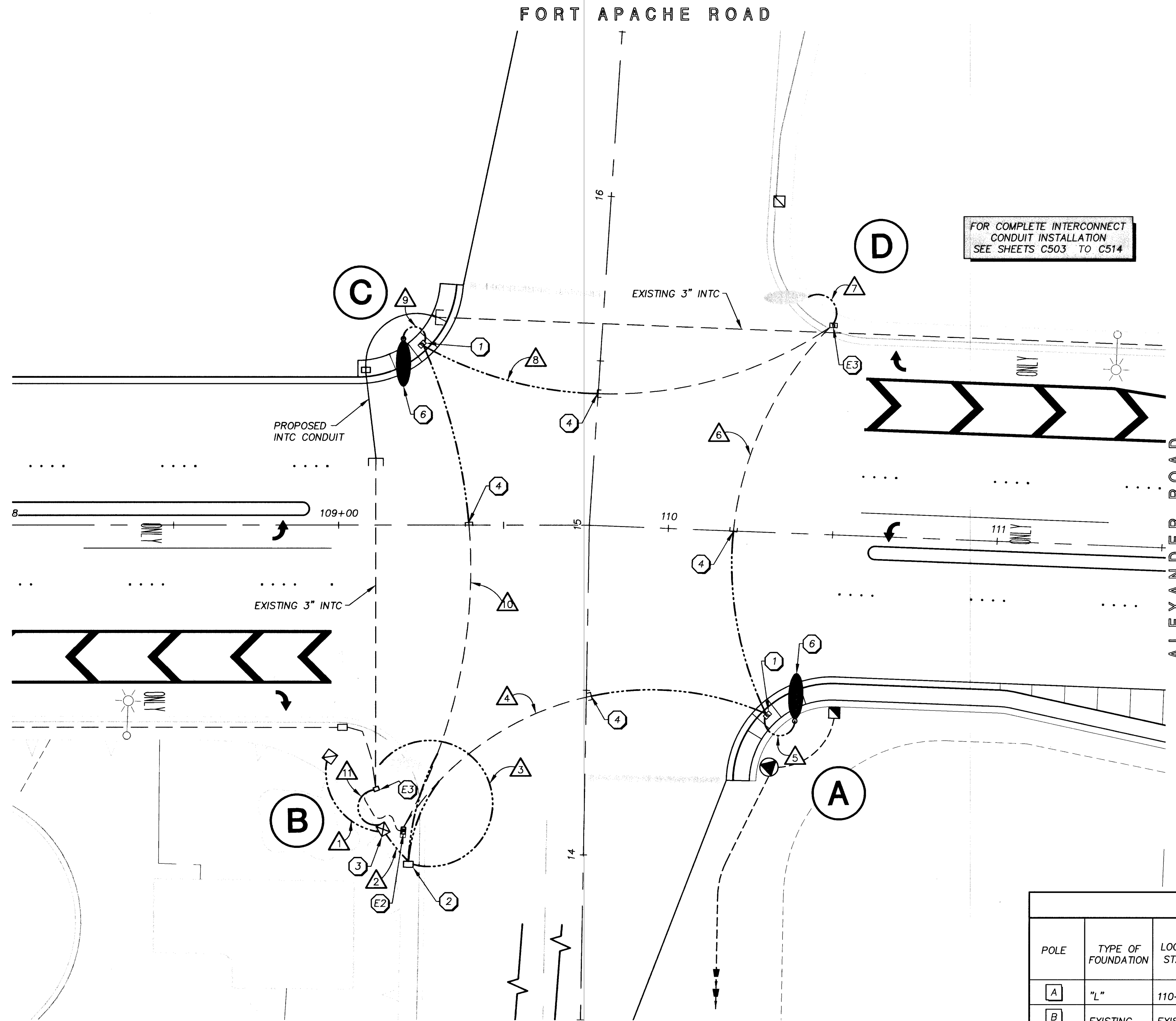


**LEGEND**

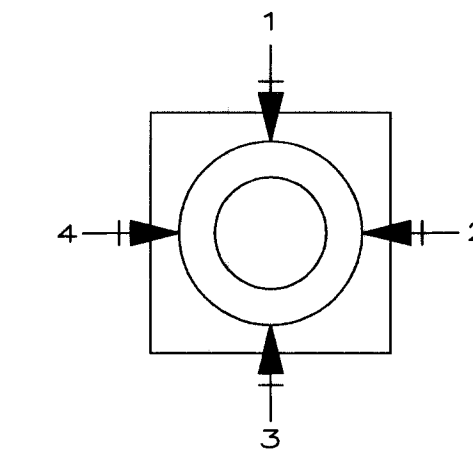
- EXISTING STREETLIGHT
- EXISTING 400W HPS STREETLIGHT
- PROPOSED 400W HPS STREETLIGHT
- PROPOSED 250W HPS STREETLIGHT
- PROPOSED PEDESTRIAN INDICATION
- 2070-N TRAFFIC CONTROLLER
- TRAFFIC SIGNAL INDICATION
- PROPOSED SIGNAL ARM
- VIDEO DETECTION CAMERA
- OPTICOM
- STREETLIGHT PULLBOX
- TRAFFIC SIGNAL PULLBOX
- #7 PULLBOX
- P-30 PULLBOX
- TYPE 200 PULLBOX
- EXISTING SERVICE POINT
- PROPOSED SERVICE PEDESTAL
- NPC TRANSFORMER
- CONDUIT RUN NUMBER
- ILLUMINATED STREET NAME SIGN
- EXISTING TRAFFIC SIGNAL CONDUIT
- PROPOSED TRAFFIC SIGNAL CONDUIT
- VIDEO DETECTION AREA

**KEYNOTES**

- E1 EXISTING #3 PULLBOX.
- E2 EXISTING #5 PULLBOX.
- E3 EXISTING #7 PULLBOX.
- 1 INSTALL #5 PULLBOX PER USD 328 AND 329.
- 2 INSTALL #7 PULLBOX PER USD 328 AND 329.
- 3 INSTALL TYPE "R" (EMPTY) CABINET FOR FUTURE TRAFFIC SIGNAL PER USD 404.307.
- 4 INTERCEPT EXISTING TRAFFIC SIGNAL CONDUIT, REMOVE CAP AND CONNECT.
- 5 INSTALL TYPE "R" CABINET FOR PROPOSED TRAFFIC SIGNAL PER USD 404.307.
- 6 INSTALL NEW 400 W STREETLIGHT ASSEMBLY PER USD 314, 320 AND 321.



FOR COMPLETE INTERCONNECT CONDUIT INSTALLATION SEE SHEETS C503 TO C514



**QUADRANT LOCATOR**  
ARM OR SIGNAL LOCATION (Top View)

**CONDUIT AND WIRE SCHEDULE**

| WIRE AND CABLE                  | FROM         | TO         | CONDUIT |        |        |          |        |          |        |          |        |          |        |  |  |  |  |  |
|---------------------------------|--------------|------------|---------|--------|--------|----------|--------|----------|--------|----------|--------|----------|--------|--|--|--|--|--|
|                                 |              |            | 1       | 2      | 3      | 4        | 5      | 6        | 7      | 8        | 9      | 10       | 11     |  |  |  |  |  |
| (4)#4, #8                       | SERVICE PED. | CONTROLLER | X       |        |        |          |        |          |        |          |        |          |        |  |  |  |  |  |
| (2)#10, #8                      | CONTROLLER   | POLE A     |         | X      |        |          |        |          |        |          |        |          |        |  |  |  |  |  |
| (2)#10, #8                      | CONTROLLER   | POLE B     |         |        | X      |          |        |          |        |          |        |          |        |  |  |  |  |  |
| (2)#10, #8                      | CONTROLLER   | POLE C     |         |        |        | X        |        |          |        |          |        |          |        |  |  |  |  |  |
| (2)#10, #8                      | CONTROLLER   | POLE D     |         |        |        |          | X      |          |        |          |        |          |        |  |  |  |  |  |
| #8, TRACE WIRE                  | POLE A       | POLE D     |         |        |        |          |        | X        |        |          |        |          |        |  |  |  |  |  |
| #8, TRACE WIRE                  |              |            |         |        |        |          |        |          | X      |          |        |          |        |  |  |  |  |  |
| CONDUIT SIZE EXISTING/NEW (E/N) |              |            | N 1-3"  | N 5-3" | N 1-3" | E/N 3-3" | N 1-3" | E/N 2-3" | N 1-3" | E/N 2-3" | N 1-3" | E/N 2-3" | N 1-4" |  |  |  |  |  |

A #8 GREEN GROUNDING WIRE SHALL BE RUN FROM THE CONTROLLER CABINET TO EACH SIGNAL POLE BASE. SEE SHEET C413 FOR CONDUIT SCHEMATIC

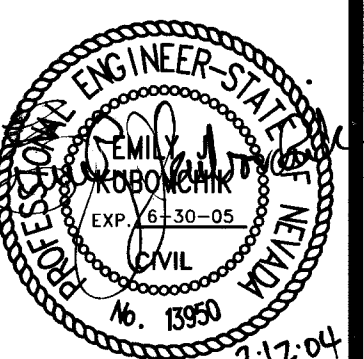
**POLE SCHEDULE**

| POLE | TYPE OF FOUNDATION | LOCATION STATION     | TYPE   | SIGNALS (VEH.) |      |               |      | SIGNALS (PED.) |      | PED. PUSH BUTTON |            | BLOCK No. | REMARKS |
|------|--------------------|----------------------|--------|----------------|------|---------------|------|----------------|------|------------------|------------|-----------|---------|
|      |                    |                      |        | SIGNAL ARM     |      | LUMINAIRE ARM |      | TYPE           | QUAD | QUAD             | SIGN ARROW |           |         |
|      |                    |                      |        | QUAD           | LNG. | QUAD          | LNG. |                |      |                  |            |           |         |
| A    | "L"                | 110+40.73, 56.80' RT | XX-A   |                |      | 1             | 15'  |                |      |                  |            |           |         |
| B    | EXISTING           | EXISTING             | EXIST. |                |      | 2             | EX   |                |      |                  |            |           |         |
| C    | "L"                | 109+19.58, 56.54' LT | XX-A   |                |      | 3             | 15'  |                |      |                  |            |           |         |
| D    | EXISTING           | EXISTING             | EXIST. |                |      | 4             | EX   |                |      |                  |            |           |         |

DEPARTMENT OF PUBLIC WORKS  
ENGINEERING DESIGN SECTION

ALEXANDER ROAD/HUALAPAI WAY  
ROAD IMPROVEMENTS PROJECT  
CHEYENNE AVENUE TO DURANGO DRIVE

TRAFFIC SIGNAL UNDERGROUNDS PLAN  
FORT APACHE ROAD AND ALEXANDER ROAD



SHEET: **C418**  
DRAWING# 104 OF 124  
107-V-3694

CITY ENGINEER: CHARLES KUJOWSKI, JR., P.E.  
CITY PROJECT ENGINEER: MARVIN STINE, P.E.  
PROJECT MANAGER: ALI ZENHARI, P.E.  
DESIGN BY: LSB  
DRAWN BY: LSB/DXJ  
CHECK BY: LSB  
DATE: FEB. 11, 2004

D:\Draws\1400\C418-1400 \*2-10-04 07:37pm \*USER: lb1648 \*VBEFS: 1400-TP, 1400-BR, 1400-STL, 1400-TRAF, 1400-MP, 1400-ISKM

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