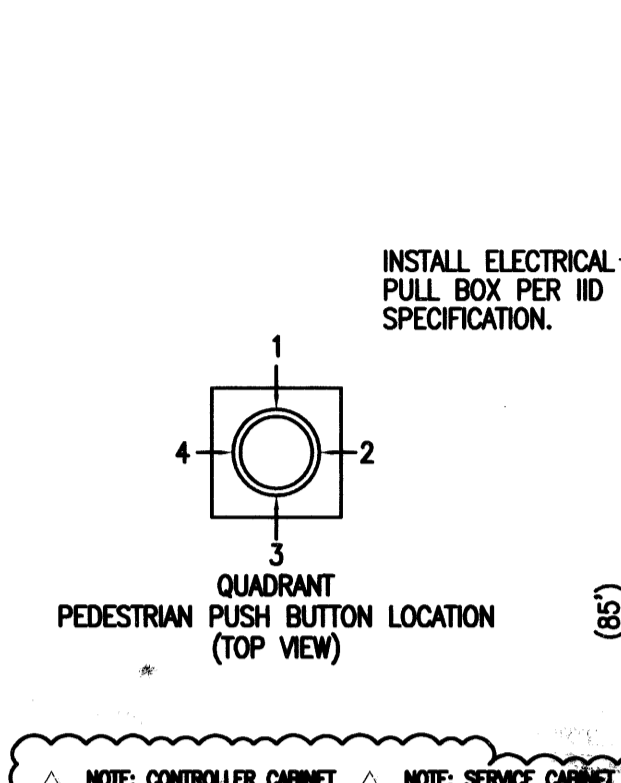
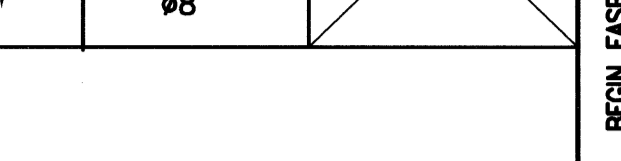


DETAIL 'A' EMERGENCY VEHICLE PRE-EMPTION DETECTOR MOUNTING DETAIL N.T.S

NOTE: FOR "A" AND "B" DIMENSIONS, SEE POLE SCHEDULE OR AS DIRECTED BY ENGINEER
 (TYPICAL SIGNAL POLE PLACEMENT, UNLESS SHOWN ON PLANS)
 SIGNAL STANDARD PLACEMENT DIMENSIONS AND EQUIPMENT LOCATIONS



DETAIL 'B' TRAFFIC SIGNAL & STRIPING MAINTENANCE EASEMENT

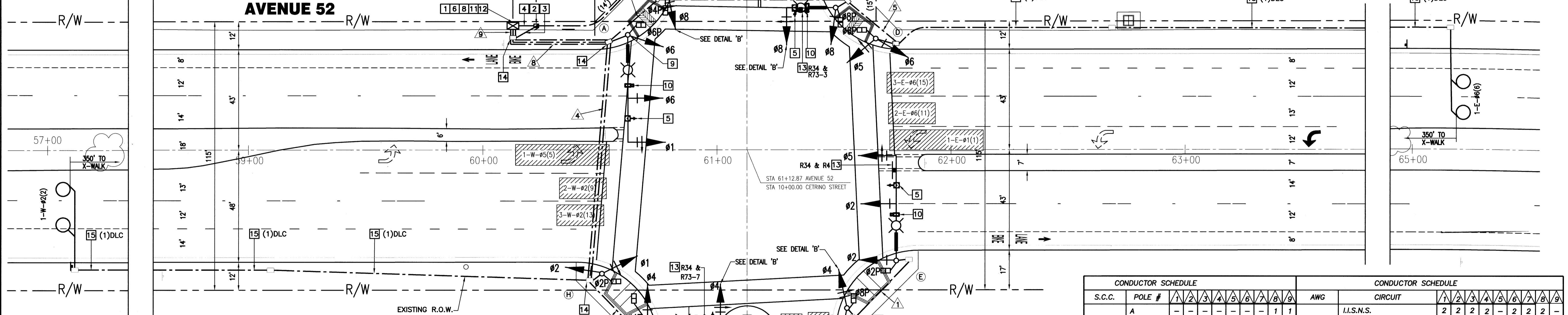
| POLE | | | | | | | SCHEDULE | | | | | | |
|------|----------|--------|--------|--------|----------------|---------------|-----------------|--------|--------------|------|-----------|-----|----|
| No. | TYPE | HEIGHT | SIG MA | LUM MA | HPSV LUMINAIRE | I.I.S.N.S. #2 | SIGNAL MOUNTING | | PED PUSH BTN | | PLACEMENT | | |
| | | | | | | | VEHICLE | PED | PHASE | QUAD | A | B | |
| (A) | 26-4-129 | 30' | 45' | 15' | 200W | Cetrino | 2-MAS | SV-1-T | SP-1-T | 4 | 2 | 14' | 3' |
| (B) | 1A | 10' | - | - | - | - | - | TV-2-T | SP-1-T | 6 | 3 | 14' | 3' |
| (C) | 17-3-129 | 30' | 20' | 12' | 200W | Avenue 52 | 2-MAS | SV-1-T | SP-1-T | 6 | 3 | 17' | 3' |
| (D) | 1A | 10' | - | - | - | - | - | TV-2-T | SP-1-T | 8 | 4 | 10' | 3' |
| (E) | 26-4-129 | 30' | 45' | 15' | 200W | Cetrino | 2-MAS | SV-1-T | SP-1-T | 8 | 4 | 10' | 3' |
| (F) | 1A | 10' | - | - | - | - | - | TV-2-T | SP-1-T | 2 | 1 | 10' | 3' |
| (G) | 19-4-129 | 30' | 30' | 15' | 200W | Avenue 52 | 2-MAS | SV-1-T | SP-1-T | 2 | 1 | 10' | 3' |
| (H) | 1A | 10' | - | - | - | - | - | TV-2-T | SP-1-T | 4 | 2 | 11' | 3' |

EXACT POLE LOCATION TO BE DETERMINED BY THE CITY ENGINEER OR HIS REPRESENTATIVE IN THE FIELD.

1-5-#2(2) = VIDEO DETECTION CAMERA AS SHOWN ON PLAN, SEE NOTE 10.
 1-5-#2(2) = VIDEO DETECTION AREA FOR VIDEO DETECTION SYSTEM. (CONTROLLER DET. INPUT (TYP.))

*1. PER SPECIFICATIONS, CONTRACTOR SHALL POTHOLE AND CONSTRUCT POLE FOUNDATIONS PRIOR TO ORDERING POLES AND TRAFFIC SIGNAL EQUIPMENT.

*2. CONTRACTOR SHALL PROVIDE THE CITY ENGINEER AND THE BUILDING & SAFETY DIRECTOR AN ARTWORK SHEET WITH BLOCK NUMBERS AND CITY LOGO FOR FINAL APPROVAL PRIOR TO ORDERING.



CONSTRUCTION NOTES:

- FURNISH AND INSTALL A TS2 TYPE 1 7/8" ALUMINUM CABINET PAINTED DESERT TAN WITH ECONOLITE NEMA TS2 TYPE 1 CONTROLLER ASSEMBLY, EMERGENCY BATTERY BACKUP, AND EQUIPMENT COMPLETE. EXTEND FOUNDATION 18" ABOVE FINISHED GRADE PER SPECIFICATIONS.
- FURNISH AND INSTALL 120/240 VOLT DUAL METER TYPE III-CF SERVICE EQUIPMENT ENCLOSURE WITH THE FOLLOWING 120 VOLT CIRCUIT BREAKERS: ON TC-1 METER: 50 AMP. (SIGNALS) AND 25 AMP. (I.I.S.N.S.); ON LS-3 METER: 30 AMP. (SAFETY LIGHTING). ALSO FURNISH AND INSTALL TYPE II PEC INSIDE CABINET.
- INSTALL 2" C - 2#10 (LUMINAIRE), 2#12 (ISNS).
- INSTALL 2" C - 3#6 (SERVICE, GFCI).
- FURNISH AND INSTALL 3M MODEL 711 OPTICOM DETECTOR PER SPECIFICATIONS.
- FURNISH AND INSTALL TWO (2) 3M MODEL 752 PHASE SELECTORS, PER SPECIFICATIONS.
- INSTALL 3" PVC SCH. 40 CONDUIT WITH PULLROPE PER IID REQUIREMENTS.
- FURNISH AND INSTALL WWV CLOCK IN THE CABINET AND CONNECT TO THE ECONOLITE ASC/2 CONTROLLER.
- FURNISH AND INSTALL MODEL WWV ANTENNA ON TOP OF POLE PER MANUFACTURER SPECIFICATIONS. (SEE ALSO 12)
- FURNISH AND INSTALL VIDEO DETECTION CAMERA PER MANUFACTURER SPECIFICATIONS.
- FURNISH AND INSTALL VIDEO TRAFFIC DETECTION SYSTEM BY AUTOSCOPE. (SEE SPECIAL PROVISIONS)
- FURNISH AND INSTALL WIRELESS INTERCONNECT EQUIPMENT TO COMMUNICATE WITH THE CONTROLLER AND TRAFFIC SIGNAL SYSTEM AS WELL AS AT THE INTERSECTION OF AVENUE 52 AND WASHINGTON STREET. (SEE SPECIAL PROVISIONS)
- FURNISH AND INSTALL SIGN ON MAST ARM, AS NOTED ON PLAN, PER CALTRANS STANDARDS.
- FURNISH AND INSTALL #6E PULLBOX.
- FURNISH AND INSTALL 1 1/2" CONDUIT W/CONDUCTORS INDICATED.

| SENSOR TABLE | | | | |
|--------------|---------|----------|--------------|-----|
| SENSOR UNIT | CHANNEL | DETECTOR | OPERATION | NO. |
| #1 | 1 | 1-E-#1 | EXTEND | 1 |
| | 2 | 1-W-#2 | COUNT & EXT. | 2 |
| #2 | 1 | 1-S-#3 | EXTEND | 3 |
| | 2 | 1-N-#4 | CALL | 4 |
| #3 | 1 | 1-W-#5 | EXTEND | 5 |
| | 2 | 1-E-#6 | COUNT & EXT. | 6 |
| #4 | 1 | 1-N-#7 | EXTEND | 7 |
| | 2 | 1-S-#8 | COUNT & EXT. | 8 |
| #5 | 1 | 2-W-#2 | CALL | 9 |
| | 2 | 2-N-#4 | DELAY | 10 |
| #6 | 1 | 2-E-#6 | CALL | 11 |
| | 2 | 2-S-#8 | CALL | 12 |
| #7 | 1 | 3-W-#2 | CALL | 13 |
| | 2 | 3-E-#6 | CALL | 14 |
| #8 | 1 | 3-S-#8 | DELAY | 15 |
| | 2 | - | SPARE | 16 |

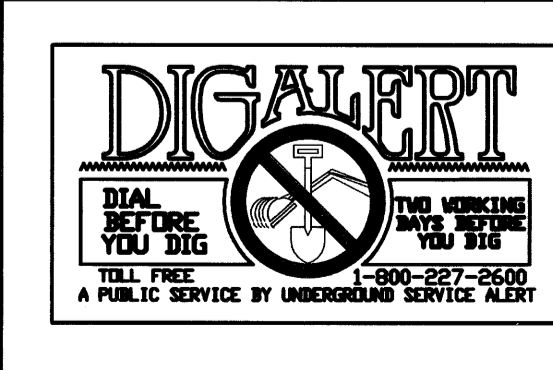
FIRST SUBSTITUTE MYLAR
 THIS MYLAR IS IDENTICAL TO THE MYLAR APPROVED BY THE CITY ENGINEER ON _____ EXCEPT FOR THE REVISIONS NOTED HEREON.

ROBERT KAHN
 R.C.E. 20285
 DATE: 4/21/05

| CONDUCTOR SCHEDULE | | | | | | | | | | |
|--------------------|--------|---|---|---|---|---|---|---|---|---|
| S.C.C. | POLE # | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 12C | A | - | - | - | - | - | - | - | 1 | 1 |
| | B | - | - | - | - | - | - | - | 1 | 1 |
| | C | - | - | - | - | - | - | - | 1 | 1 |
| | D | - | - | - | - | 1 | 1 | 1 | 1 | 1 |
| | E | 1 | 1 | 1 | 1 | - | - | - | - | 1 |
| | F | - | 1 | 1 | 1 | - | - | - | - | 1 |
| | G | - | - | 1 | 1 | - | - | - | - | 1 |
| | H | - | - | - | 1 | - | - | - | - | 1 |
| TOTAL | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 8 | 8 |
| 3C | A | - | - | - | - | - | - | - | 1 | 1 |
| | B | - | - | - | - | - | - | - | 1 | 1 |
| | C | - | - | - | - | - | 1 | 1 | 1 | 1 |
| | D | - | - | - | - | - | 1 | 1 | 1 | 1 |
| | E | 1 | 1 | 1 | 1 | - | - | - | - | 1 |
| | F | - | 1 | 1 | 1 | - | - | - | - | 1 |
| | G | - | - | 1 | 1 | - | - | - | - | 1 |
| | H | - | - | - | 1 | - | - | - | - | 1 |
| TOTAL | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 8 | 8 |

| CONDUCTOR SCHEDULE | | | | | | | | | | |
|---------------------------|--------------------|----|----|----|------|----|----|----|------|------|
| AWG | CIRCUIT | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| #12 | I.I.S.N.S. | 2 | 2 | 2 | 2 | - | - | 2 | 2 | 2 |
| | PE CONTROL | - | - | - | - | - | - | - | - | - |
| | TOTAL | 2 | 2 | 2 | 2 | - | - | 2 | 2 | 2 |
| #10 | LUMINAIRES | 2 | 2 | 2 | 2 | - | - | 2 | 2 | 2 |
| | TOTAL | 2 | 2 | 2 | 2 | - | - | 2 | 2 | 2 |
| | DLC | - | - | - | 1 | - | - | - | 1 | 1 |
| DLC | #2 | - | - | - | 1 | - | - | - | 1 | 1 |
| | #6 | - | - | - | 1 | 1 | 1 | 1 | 1 | 1 |
| | #8 | - | - | - | 1 | 1 | 1 | - | - | 1 |
| TOTAL | | - | 1 | 1 | 2 | 1 | 1 | 1 | 3 | 3 |
| VIDEO CABLE | CAMERA #1 (POLE A) | - | - | - | - | - | - | - | 1 | 1 |
| | CAMERA #2 (POLE C) | - | - | - | - | - | - | 1 | 1 | 1 |
| | CAMERA #3 (POLE E) | 1 | 1 | 1 | 1 | - | - | - | - | 1 |
| | CAMERA #4 (POLE G) | - | - | - | 1 | 1 | 1 | - | - | 1 |
| | TOTAL | 1 | 1 | 2 | 2 | - | 1 | 1 | 4 | 4 |
| PRE-EMPTION CABLE (3) #20 | 1 | 1 | 2 | 2 | - | 1 | 1 | 4 | 4 | |
| CONDUIT SIZE (NEW) | | 3" | 3" | 4" | 2-3" | 2" | 3" | 4" | 3-4" | 3-4" |

FOR GENERAL NOTES, SEE SHEET 1 OF 3



UNDERGROUND STRUCTURES
 ALL UNDERGROUND UTILITIES OR STRUCTURES REPORTED BY THE OWNER, OR OTHERS, AND THOSE SHOWN ON THE RECORDS EXAMINED, ARE INDICATED WITH THEIR APPROXIMATE LOCATIONS AND EXTENTS. THE OWNER, BY ACCEPTING THESE PLANS OR PROCEEDING WITH IMPROVEMENTS PURSUANT THERETO, AGREES TO ASSUME LIABILITY AND TO HOLD UNDER-SIGNED HARMLESS FOR ANY DAMAGES RESULTING FROM THE EXISTENCE OF UNDERGROUND UTILITIES OR STRUCTURES NOT REPORTED TO THE UNDERSIGNED; NOT INDICATED ON THE PUBLIC RECORDS EXAMINED; LOCATED AT VARIANCE WITH THAT REPORTED OR SHOWN ON RECORDS EXAMINED. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT THE UTILITIES OR STRUCTURES SHOWN AND ANY OTHER UTILITIES OR STRUCTURES FOUND AT THE SITE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE OWNERS OF THE UTILITIES OR STRUCTURES CONCERNED BEFORE STARTING WORK.

PLANS PREPARED BY:

| NO. | DESCRIPTION | REVISED | APPROVED |
|-----|--|---------|----------|
| 1 | ADDED DIMENSIONAL CONTROL FOR CABINETS 1 & 2. | | |
| 2 | REVISED STRIPING ON SILVER ROCK RANCH, SEE SHEET 3 OF 3. | | |

APPROVED BY:
 JIMMY R. JONSSON 4/25/05
 TIMOTHY R. JONSSON, P.E.
 PUBLIC WORKS DIRECTOR/CITY ENGINEER, CITY OF LA QUINTA
 R.C.E. NO. 45843 EXPIRES 9/30/05

CITY OF LA QUINTA
 TRAFFIC SIGNAL INSTALLATION PLAN
 AVENUE 52
 CETRINO STREET / SILVER ROCK RANCH
 DATE: 4/21/05
 SHEET OF SHEETS: 2 / 3