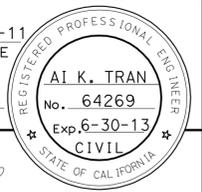


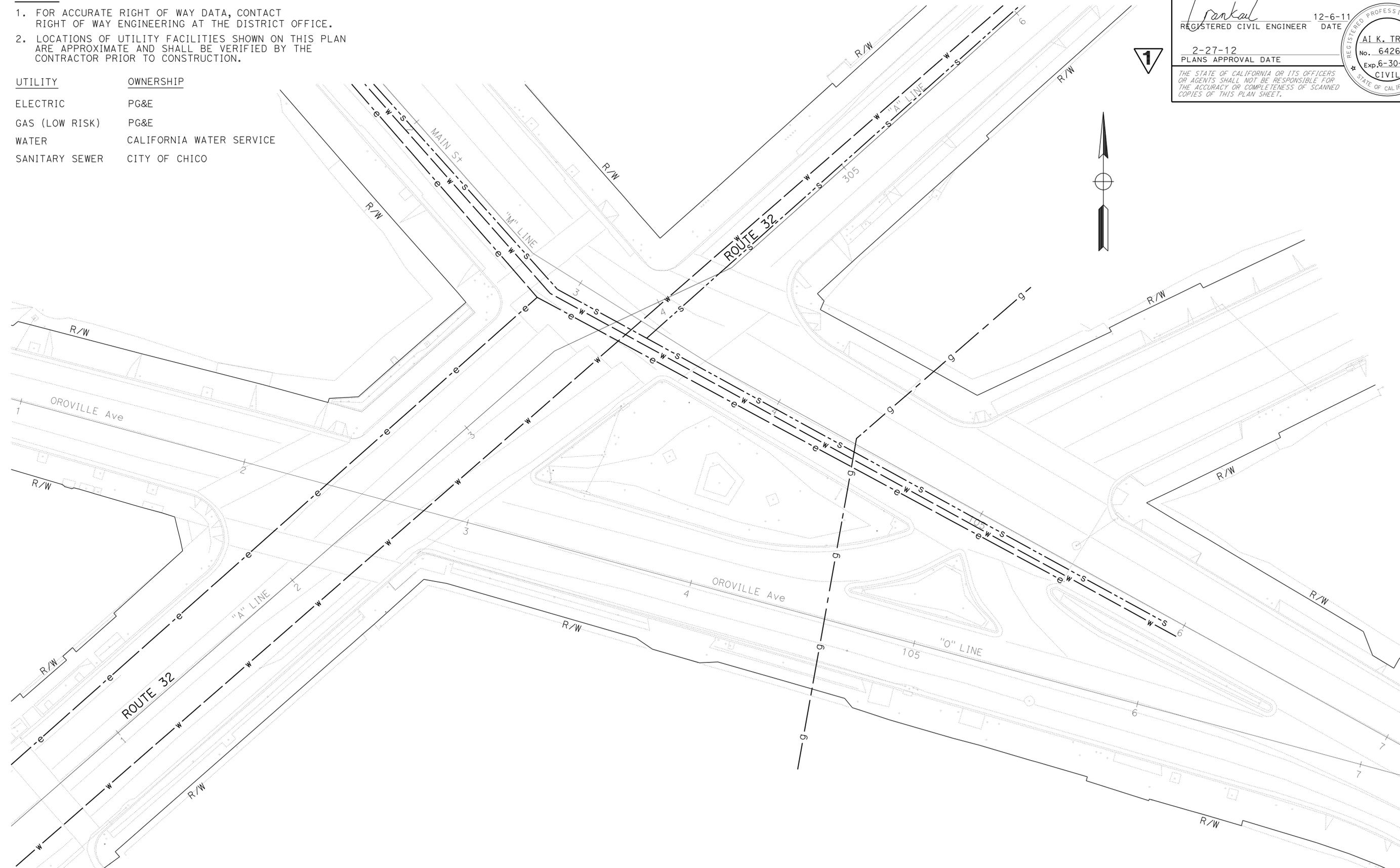
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	But	32	R9.5	5	42
<i>Frankal</i> REGISTERED CIVIL ENGINEER			12-6-11	DATE	
2-27-12			PLANS APPROVAL DATE		
<small>THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</small>					



- NOTES:**
- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
 - LOCATIONS OF UTILITY FACILITIES SHOWN ON THIS PLAN ARE APPROXIMATE AND SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.

UTILITY	OWNERSHIP
ELECTRIC	PG&E
GAS (LOW RISK)	PG&E
WATER	CALIFORNIA WATER SERVICE
SANITARY SEWER	CITY OF CHICO

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN
 FUNCTIONAL SUPERVISOR: CHARLES LAUGHLIN
 CALCULATED/DESIGNED BY: OLAWALE AJAYI
 CHECKED BY: AI K. TRAN
 REVISED BY: DATE REVISIONS:



1 REVISED PER ADDENDUM No. 1 DATED APRIL 25, 2012

APPROVED FOR UTILITY INFORMATION ONLY

UTILITY PLAN
 SCALE: 1" = 20'
U-1

LAST REVISION:
 DATE PLOTTED => 19-APR-2012
 TIME PLOTTED => 09:59

NOTE:

FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

ABBREVIATIONS:

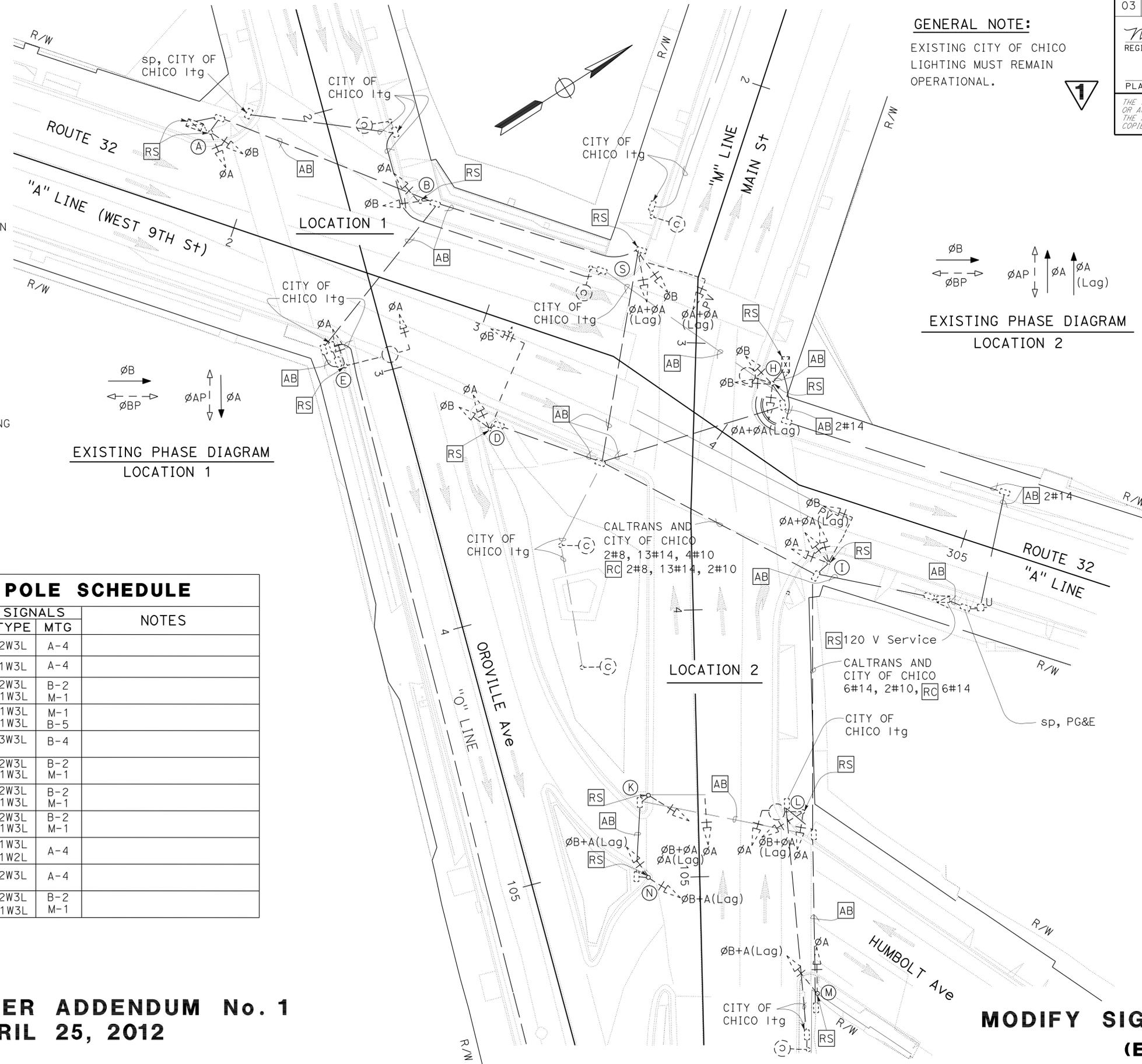
- CCU CAMERA CONTROL UNIT
- CIC CAMERA INTERCONNECT CABLE
- CTID CALTRANS IDENTIFICATION
- GPRS GENERAL PACKET RADIO SERVICE
- PG&E PACIFIC GAS AND ELECTRIC COMPANY
- VEU VIDEO ENCODER UNIT

LEGEND:

---(C) EXISTING CITY LIGHTING

GENERAL NOTE:

EXISTING CITY OF CHICO LIGHTING MUST REMAIN OPERATIONAL.



EXISTING POLE SCHEDULE				
No.	STANDARD	SIGNALS		NOTES
		TYPE	MTG	
(A)	TYPE I-B	2W3L	A-4	
(B)	TYPE I-B	1W3L	A-4	
(D)	TYPE XXIII	2W3L 1W3L	B-2 M-1	
(E)	TYPE XIX	1W3L 1W3L	M-1 B-5	
(H)	TYPE III	3W3L	B-4	
(I)	TYPE XVI	2W3L 1W3L	B-2 M-1	
(K)	TYPE XVI	2W3L 1W3L	B-2 M-1	
(L)	TYPE III	2W3L 1W3L	B-2 M-1	
(M)	TYPE I-B	1W3L 1W2L	A-4	
(N)	TYPE I-B	2W3L	A-4	
(S)	TYPE XVI	2W3L 1W3L	B-2 M-1	

1 REVISED PER ADDENDUM No. 1 DATED APRIL 25, 2012

MODIFY SIGNAL AND LIGHTING (EXISTING)

SCALE: 1" = 20'

APPROVED FOR ELECTRICAL WORK ONLY

E-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION - ELECTRICAL DESIGN
 FUNCTIONAL SUPERVISOR STEVEN BLOCK
 CALCULATED/DESIGNED BY CHECKED BY
 ZAHRA NIKNAFS MARY ANN HUDSPETH
 REVISED BY DATE REVISED
 USERNAME => s114640
 DGN FILE => 0300020571ua001.dwg

LAST REVISION DATE PLOTTED => 19-APR-2012
 12-05-11 TIME PLOTTED => 09:04

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Bu+	32	R9.5	15	42

12-14-11 DATE
 REGISTERED ELECTRICAL ENGINEER
 MARY ANN HUDSPETH
 No. 17245
 Exp. 6-30-12
 ELECTRICAL
 STATE OF CALIFORNIA

2-27-12
 PLANS APPROVAL DATE

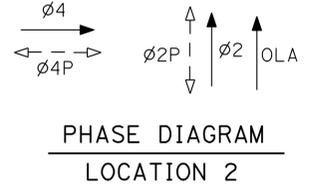
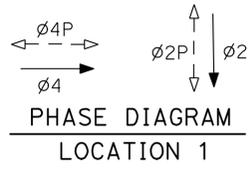
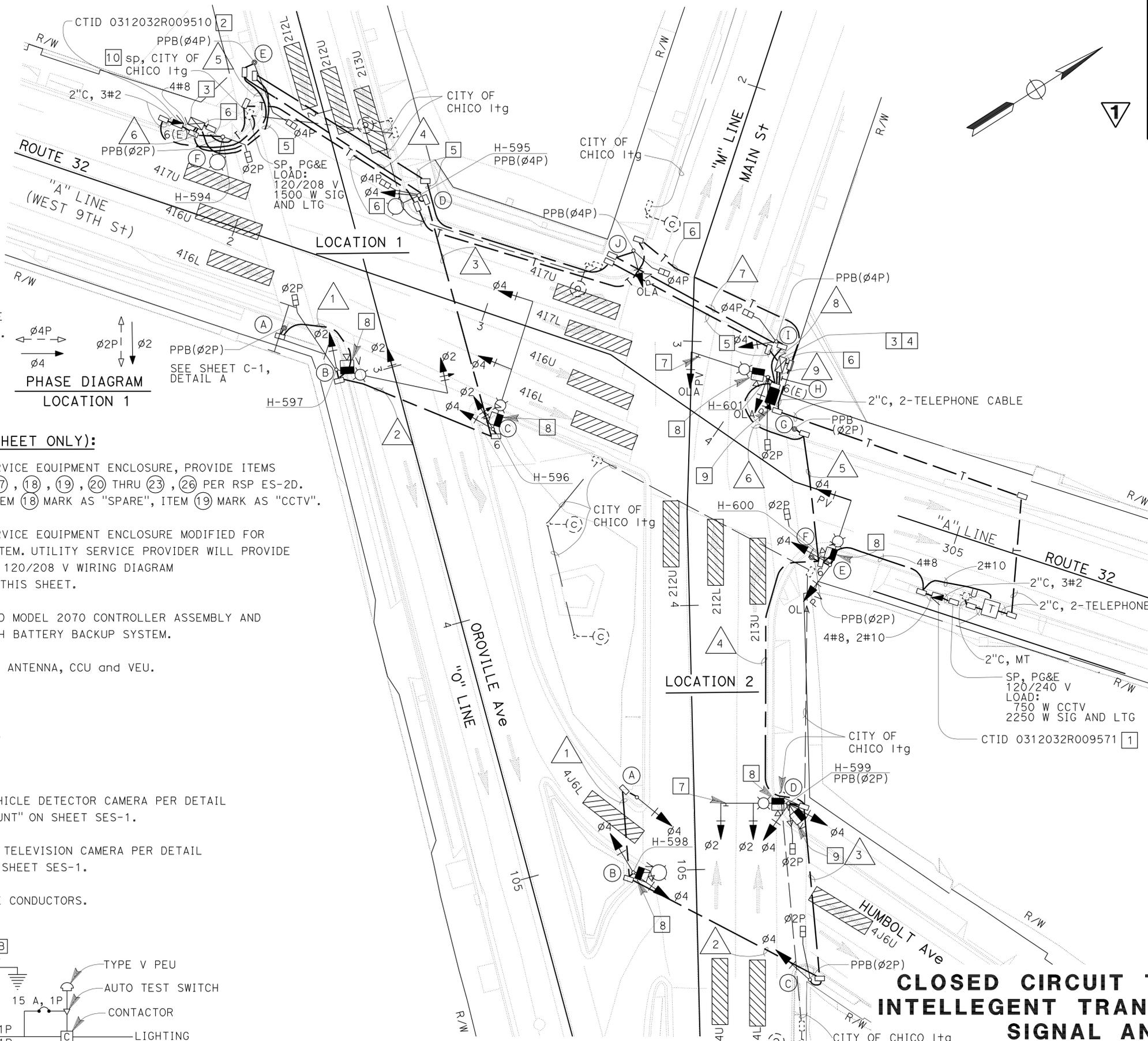
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

NOTE:

FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

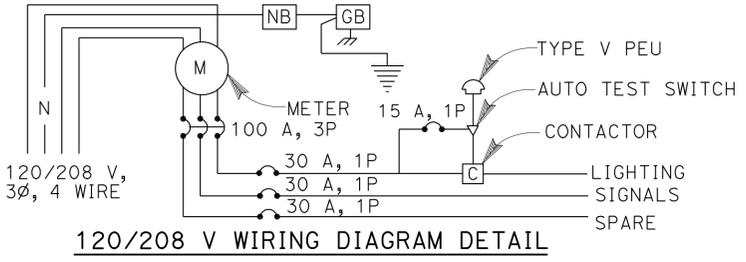
GENERAL NOTE:

CONTROLLER CABINETS, SERVICE EQUIPMENT ENCLOSURES, POLES AND PULL BOXES SHALL NOT BE LOCATED 20 FT FROM ANY GAS PUMP, 10 FT FROM ANY UNDERGROUND TANK FILL OPENING NOR 5 FT FROM ANY UNDERGROUND TANK VENT OPENING. ANY CONDUIT WITHIN THESE LIMITS MUST BE INSTALLED IN ACCORDANCE WITH THE NEC (ARTICLE 514).



PROJECT NOTES (THIS SHEET ONLY):

- 1 INSTALL TYPE III-AF SERVICE EQUIPMENT ENCLOSURE, PROVIDE ITEMS ① THRU ⑧, ⑮, ⑰, ⑱, ⑳ THRU ㉓, ㉖ PER RSP ES-2D. ITEM ⑰ TO BE 30 A. ITEM ⑱ MARK AS "SPARE", ITEM ⑲ MARK AS "CCTV".
- 2 INSTALL TYPE III-AF SERVICE EQUIPMENT ENCLOSURE MODIFIED FOR 120/240 V, 3 PHASE SYSTEM. UTILITY SERVICE PROVIDER WILL PROVIDE AND INSTALL METER. SEE 120/208 V WIRING DIAGRAM DETAIL FOR COMPONENTS THIS SHEET.
- 3 INSTALL STATE-FURNISHED MODEL 2070 CONTROLLER ASSEMBLY AND MODEL 332L CABINET WITH BATTERY BACKUP SYSTEM.
- 4 INSTALL GPRS MODEM AND ANTENNA, CCU and VEU.
- 5 2"C, 1-SIC.
- 6 2"C, 1-TELEPHONE CABLE.
- 7 SEE SIGN PLANS.
- 8 INSTALL VIDEO IMAGE VEHICLE DETECTOR CAMERA PER DETAIL "LUMINAIRE MAST ARM MOUNT" ON SHEET SES-1.
- 9 INSTALL CLOSED CIRCUIT TELEVISION CAMERA PER DETAIL "SIGNAL POLE MOUNT" ON SHEET SES-1.
- 10 [CB] UTILITY WILL SPLICE CONDUCTORS.



1 REVISED PER ADDENDUM No. 1 DATED APRIL 25, 2012

APPROVED FOR ELECTRICAL WORK ONLY

**CLOSED CIRCUIT TELEVISION SYSTEM
INTELLEGET TRANSPORTATION SYSTEM
SIGNAL AND LIGHTING**

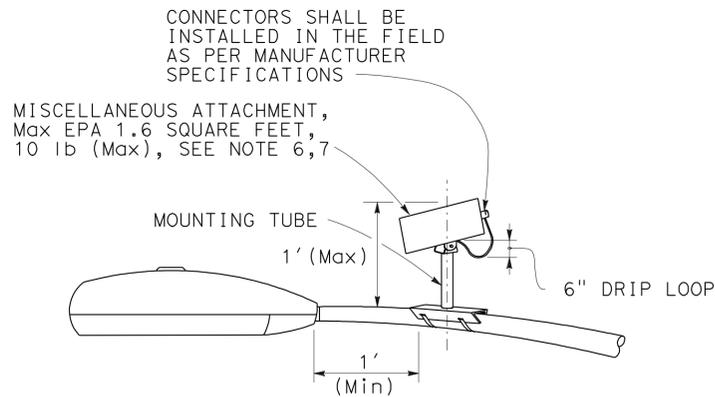
SCALE: 1" = 20'

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans ELECTRICAL DESIGN
 FUNCTIONAL SUPERVISOR STEVEN BLOCK
 CALCULATED/DESIGNED BY CHECKED BY
 ZAHRA NIKNAFS MARY ANN HUDSPETH
 REVISED BY DATE REVISED

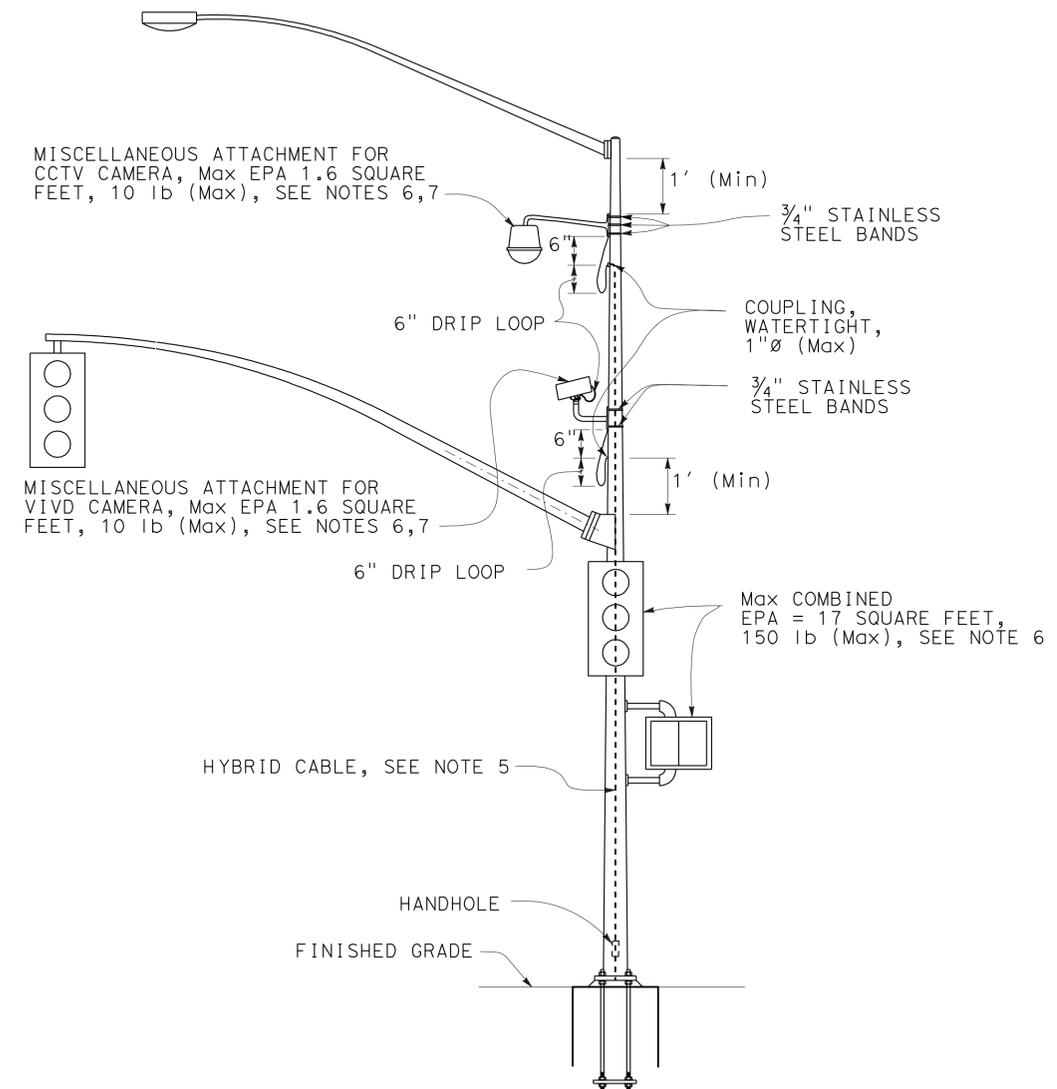
LAST REVISION DATE PLOTTED => 20-APR-2012
 12-05-11 TIME PLOTTED => 11:26

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
03	Bu+	32	R9.5	20	42
<i>Eliseo Lopez</i> REGISTERED CIVIL ENGINEER			1/19/11 DATE		
			2-27-12 PLANS APPROVAL DATE		
<small>The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.</small>					

1



LUMINAIRE MAST ARM MOUNT



SIGNAL POLE MOUNT

NOTES:

1. Exact mounting location of miscellaneous attachment and bracket shall be approved by the Engineer per manufacturer's recommendation.
2. Location of cable entrances on signal pole shall be a minimum of 1' from any flange or base plate.
3. Hybrid cable entrances on signal pole shall be drilled for watertight coupling as required.
4. Hybrid cable shall have a drip loop at the entrance into signal pole and luminaire mast arm.
5. A single hybrid cable shall run continuous and shall not be twisted from the miscellaneous attachment to the controller cabinet. No splices shall be allowed.
6. Use the manufacturer's Effective Projected Area (EPA) for miscellaneous attachment. The maximum EPA for each miscellaneous attachment shall be 1.6 square feet.
7. Maximum of two miscellaneous attachments per traffic signal structure.
8. Maximum of one miscellaneous attachment per mast arm.
9. Miscellaneous attachment shall be mounted using clamping devices.
9. For details not shown, see 2006 "STANDARD PLANS" and 2006 "REVISED STANDARD PLANS".

1 REVISED PER ADDENDUM No. 1 DATED APRIL 25, 2012

THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.

NO SCALE

BRANCH CHIEF	DESIGN	BY <i>E LOPEZ</i>	CHECKED <i>K C LIU</i>
	DETAILS	BY <i>A R DUDSAK</i>	CHECKED <i>K C LIU</i>
	QUANTITIES	BY	CHECKED

STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION		DIVISION OF ENGINEERING SERVICES DESIGN AND TECHNICAL SERVICES	
		SPECIAL DESIGNS BRANCH	
		BRIDGE NO. N/A POST MILE R9.505/R9.571	

ELECTRICAL SYSTEMS SIGNAL AND LIGHTING, MISCELLANEOUS ATTACHMENT		SES-1
UNIT: 3619 PROJECT NUMBER & PHASE: 0300020571		

CONTRACT NO.: 03-3E9101		DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES		SHEET	OF
				10-8-11	10-19-11	X	X