

LOCATION MAP

PROJECT SITE
THOMAS BROS.
PAGES 592 & 593

CITY OF WEST HOLLYWOOD
CALIFORNIA

CONSTRUCTION PLANS

FOR

TRAFFIC SIGNAL COMMUNICATION

UPGRADES

FOR

THE METRO RAPID PRIORITY
SYSTEM PROJECT PHASE I

CIP 1402

| SHEET NO. | DESCRIPTION |
|-----------|---|
| 1 | TITLE SHEET |
| 2 | KEY MAP - TRAFFIC SIGNAL LOCATIONS |
| 3 | KEY MAP - TRAFFIC SIGNAL EQUIPMENT INVENTORY - 1 |
| 4 | KEY MAP - TRAFFIC SIGNAL EQUIPMENT INVENTORY - 2 |
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| 6 | COMMUNICATION MODIFICATION LAYOUT 2 - SANTA MONICA BLVD. FROM LA CIENEGA BLVD. TO LA BREA AVE. AND FAIRFAX AVE. FROM NORTON AVE. TO FOUNTAIN AVE. (C2 CABLE - SMB2) |
| 7 | COMMUNICATION MODIFICATION LAYOUT 3 - CITY HALL AT SANTA MONICA BLVD. & SWEETZER AVE. TO SUNSET BLVD. & LA CIENEGA BLVD. (C4 CABLE - SUNSET) |
| 8 | BEVERLY BLVD. & DOHENY DR. - TRAFFIC SIGNAL AS-BUILT PLAN |
| 9 | BEVERLY BLVD. & WETHERLY DR. - TRAFFIC SIGNAL AS-BUILT PLAN |
| 10 | MELROSE AVE. & SAN VICENTE BLVD. - TRAFFIC SIGNAL AS-BUILT PLAN |
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| 12 | SANTA MONICA BLVD. & DOHENY DR. - TRAFFIC SIGNAL AS-BUILT PLAN |
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| 14 | SANTA MONICA BLVD. & ROBERTSON BLVD. - TRAFFIC SIGNAL PLAN |
| 15 | SANTA MONICA BLVD. & SAN VICENTE BLVD. - TRAFFIC SIGNAL PLAN |
| 16 | SANTA MONICA BLVD. & WESTBOURNE DR. - TRAFFIC SIGNAL PLAN |
| 17 | SANTA MONICA BLVD. & LA CIENEGA BLVD. - TRAFFIC SIGNAL PLAN |
| 18 | SANTA MONICA BLVD. & HOLLOWAY DR. - TRAFFIC SIGNAL PLAN |
| 19 | SANTA MONICA BLVD. & KINGS RD. - TRAFFIC SIGNAL PLAN |
| 20 | SANTA MONICA BLVD. & FLORES ST./KINGS RD. - TRAFFIC SIGNAL PLAN |
| 21 | SANTA MONICA BLVD. & SWEETZER AVE. - TRAFFIC SIGNAL PLAN |
| 22 | SANTA MONICA BLVD. & LA JOLLA AVE. - TRAFFIC SIGNAL PLAN |
| 23 | SANTA MONICA BLVD. & CRESCENT HEIGHTS BLVD. - TRAFFIC SIGNAL PLAN |
| 24 | SANTA MONICA BLVD. & LAUREL AVE. - TRAFFIC SIGNAL PLAN |
| 25 | SANTA MONICA BLVD. & FAIRFAX AVE. - TRAFFIC SIGNAL PLAN |
| 26 | SANTA MONICA BLVD. & GENESEE AVE. - TRAFFIC SIGNAL PLAN |
| 27 | SANTA MONICA BLVD. & CURSON AVE. - TRAFFIC SIGNAL PLAN |
| 28 | SANTA MONICA BLVD. & VISTA ST./GARDNER ST. - TRAFFIC SIGNAL PLAN |
| 29 | SANTA MONICA BLVD. & MARTEL AVE. - TRAFFIC SIGNAL PLAN |
| 30 | SANTA MONICA BLVD. & FULLER AVE. - TRAFFIC SIGNAL PLAN |
| 31 | SANTA MONICA BLVD. & FORMOSA AVE. - TRAFFIC SIGNAL PLAN |
| 32 | SANTA MONICA BLVD. & LA BREA AVE. - TRAFFIC SIGNAL PLAN |
| 33 | SAN VICENTE BLVD. & PACIFIC DESIGN CTR. - TRAFFIC SIGNAL PLAN |
| 34 | FAIRFAX AVE. & NORTON AVE. - TRAFFIC SIGNAL PLAN |
| 35 | FAIRFAX AVE. & FOUNTAIN AVE. - TRAFFIC SIGNAL PLAN |
| 36 | HOLLOWAY DR. & LA CIENEGA BLVD. - TRAFFIC SIGNAL PLAN |
| 37 | ROBERTSON BLVD. & MELROSE AVE. - TRAFFIC SIGNAL PLAN |
| 38 | LA BREA AVE. & ROMAINE ST., LA BREA AVE. & LEXINGTON AVE., HOLLOWAY DR. & ALTA LOMA RD. - TRAFFIC SIGNAL PLAN |



APPROVED BY:
Sharon Perlstein 9/4/13
CITY ENGINEER
CITY OF WEST HOLLYWOOD

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| CITY OF WEST HOLLYWOOD | |
| TRANSIT PRIORITY SYSTEM PHASE I TRAFFIC SIGNAL COMMUNICATION PROJECT for TITLE SHEET | |
| DRAWN BY: DESIGNED BY: CHECKED BY: | SHT. 1 OF 38 SHTS. PLAN NO. |

LEGEND:

- TRAFFIC SIGNAL MODIFICATION LOCATIONS
- TRAFFIC SIGNAL MODIFICATION (CITY FUNDED)

SCALE: 1" = 20'



APPROVED BY:
Sharon Perlestein 9/1/13
 CITY ENGINEER
 CITY OF WEST HOLLYWOOD

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CITY OF WEST HOLLYWOOD

TRANSIT PRIORITY SYSTEM PHASE I
 TRAFFIC SIGNAL COMMUNICATION PROJECT
 for
 KEY MAP - TRAFFIC SIGNAL LOCATIONS

DRAWN BY: _____
 DESIGNED BY: _____
 CHECKED BY: _____

HOLLOWAY DR

SANTA MONICA BLVD

LA CIENEGA BLVD

MELROSE AVE

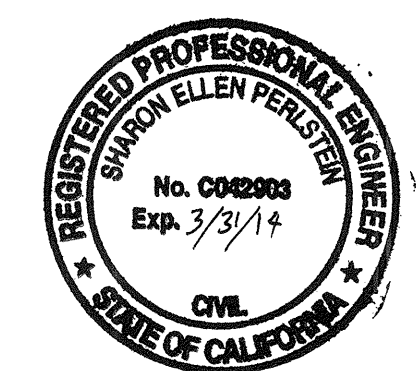
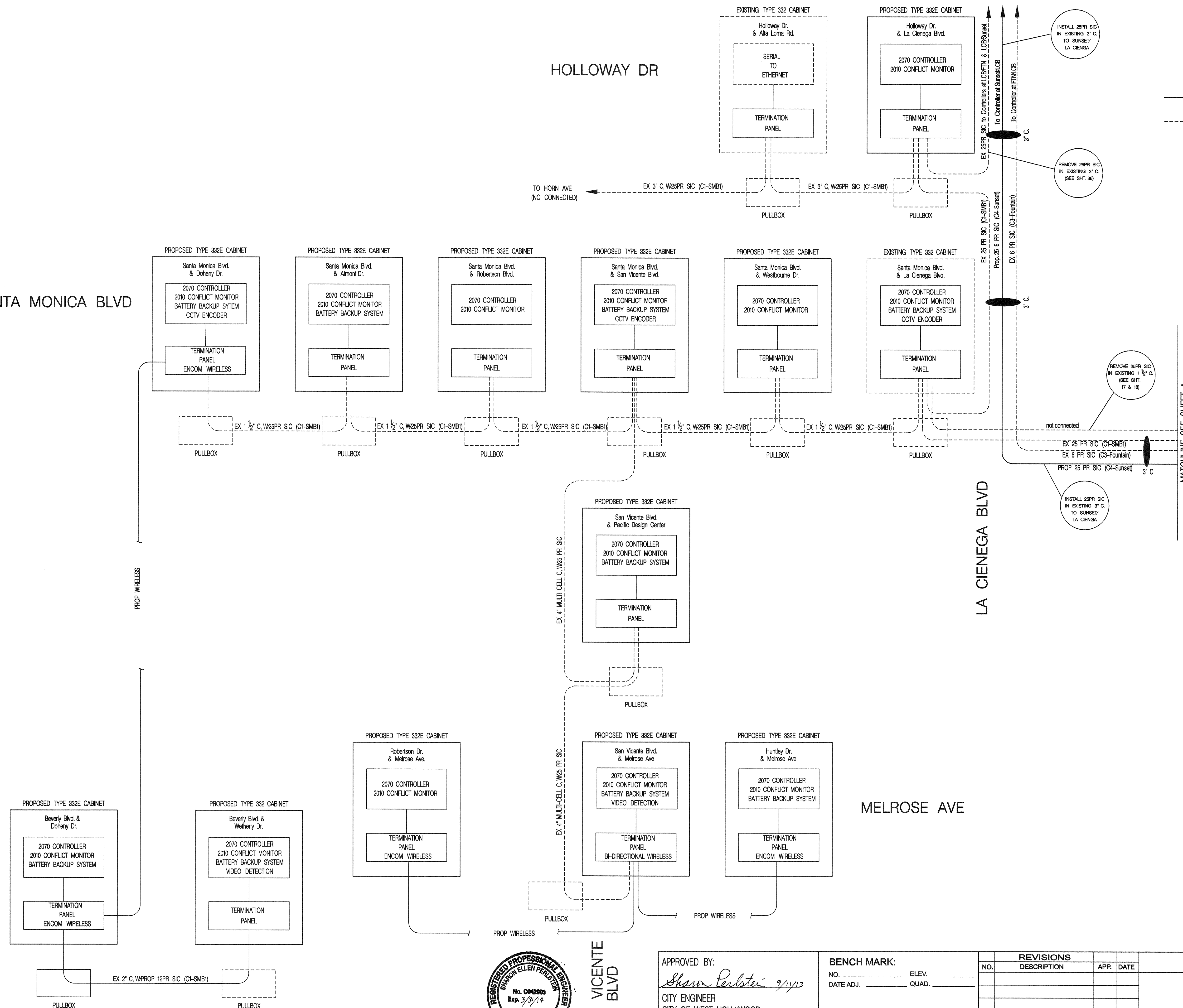
BEVERLY BLVD

SAN VICENTE BLVD

LEGEND

- PROPOSED TRAFFIC SIGNAL EQUIPMENT
- - - EXISTING TRAFFIC SIGNAL EQUIPMENT

NOTE: ALL LOCATIONS SHALL HAVE ACTELIS ML688 NETWORK SWITCHES.



APPROVED BY:
Sharon Perlestein 9/11/13
 CITY ENGINEER
 CITY OF WEST HOLLYWOOD

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CITY OF WEST HOLLYWOOD

TRANSIT PRIORITY SYSTEM PHASE I
 TRAFFIC SIGNAL COMMUNICATION PROJECT
 for
 TRAFFIC SIGNAL EQUIPMENT INVENTORY - 1

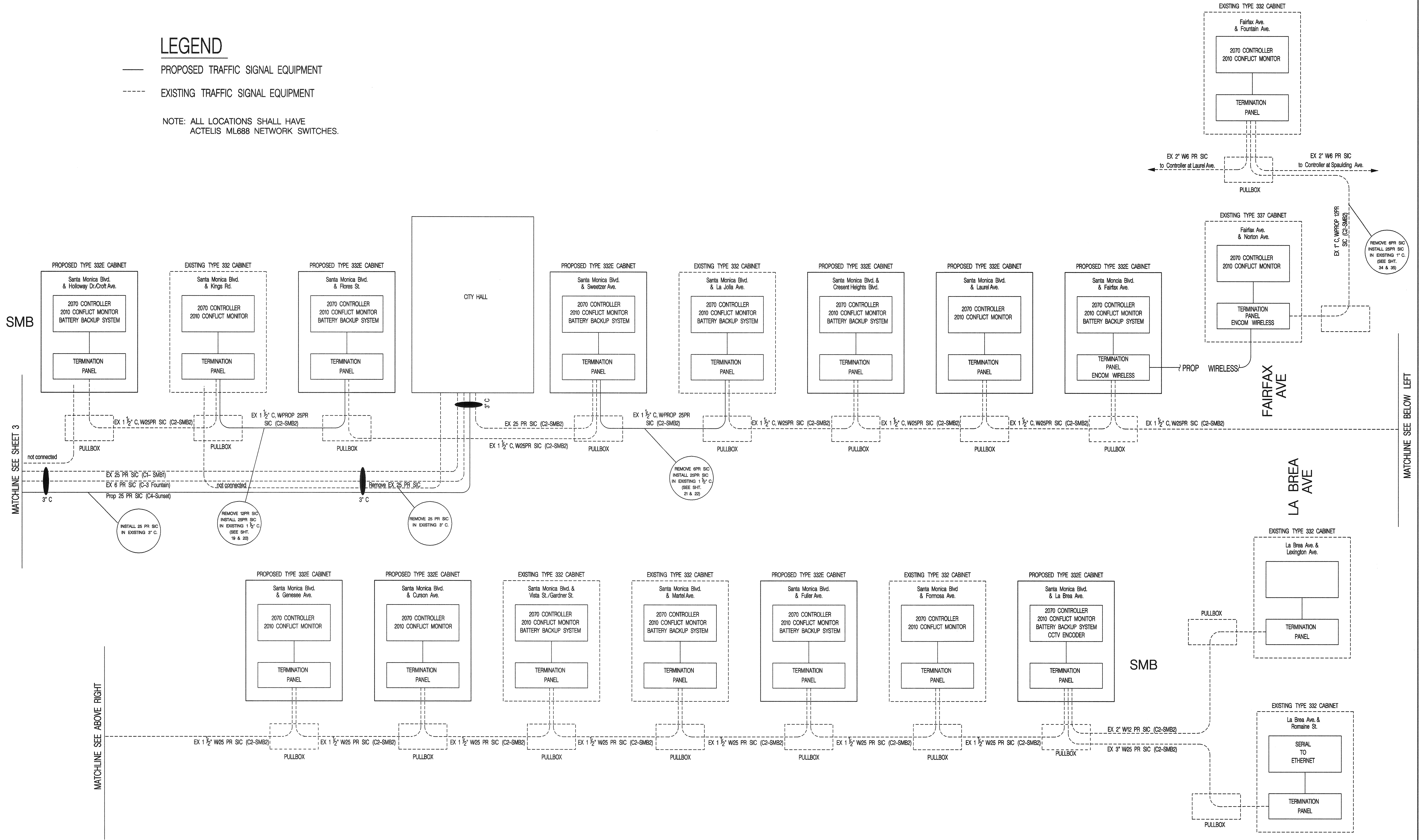
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SHT. 3 OF 38 SHTS. PLAN NO. _____

LEGEND

- PROPOSED TRAFFIC SIGNAL EQUIPMENT
- - - EXISTING TRAFFIC SIGNAL EQUIPMENT

NOTE: ALL LOCATIONS SHALL HAVE ACTELIS ML688 NETWORK SWITCHES.



APPROVED BY:
Sharon Perlestein 9/11/13
 CITY ENGINEER
 CITY OF WEST HOLLYWOOD

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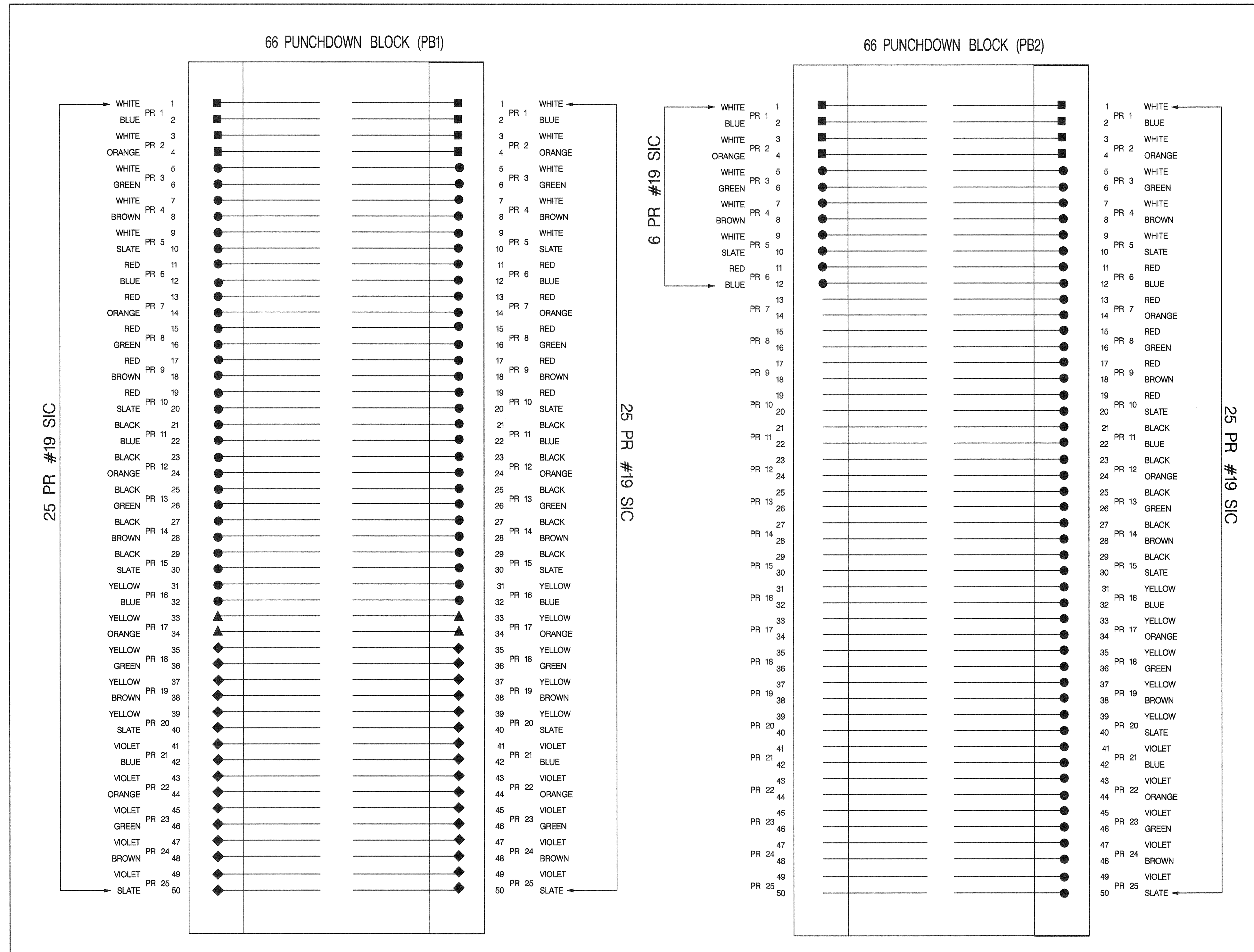
CITY OF WEST HOLLYWOOD

TRANSIT PRIORITY SYSTEM PHASE I
 TRAFFIC SIGNAL COMMUNICATION PROJECT
 for
 TRAFFIC SIGNAL EQUIPMENT INVENTORY - 2

DRAWN BY: _____
 DESIGNED BY: _____
 CHECKED BY: _____

SHT. 4 OF 38 SHTS. PLAN NO. _____

UTILITY CABINET



CONSTRUCTION NOTES

- FURNISH AND INSTALL NEW UTILITY CABINET (SEE SPECIAL PROVISION). THE UTILITY CABINET SHALL BE MOUNTED IN THE TMC IN CITY HALL. CONTRACTOR SHALL CONFIRM INSTALLATION LOCATION WITH THE CITY ENGINEER PRIOR TO THE INSTALLATION OF THE CABINET.
- REMOVE AND INSTALL EXISTING PUNCHDOWN BLOCKS TO THE INTERIOR OF THE UTILITY BOX. REMOVE AND RECONNECT ALL INTERCONNECT CABLE PAIRS TO THE EXISTING PUNCHDOWN BLOCKS. ALL INTERCONNECT CABLE PAIRS SHALL BE CONNECTED TO PUNCHDOWN BLOCK CONNECTORS. CONTRACTOR SHALL CONFIRM ASSIGNMENT OF PAIRS WITH THE CITY ENGINEER PRIOR TO THE REMOVE AND/OR INSTALLATION OF THE INTERCONNECT CABLES.
- CONTRACTOR MUST CONFIRM ALL PAIRS ARE OPERATIONAL AS SHOWN.

GENERAL NOTES

- TRAFFIC SIGNAL AND LIGHTING MATERIALS AND INSTALLATION METHODS SHALL CONFORM TO THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION (CALTRANS) STANDARD SPECIFICATIONS, SECTION 86, AND STANDARD PLANS, LATEST EDITION.
- ALL PULL BOXES ARE NO. 6 UNLESS OTHERWISE NOTED.
- ALL VEHICLES HEADS ARE 12" LED AND ALL PEDESTRIAN INDICATIONS ARE COUNTDOWN LED SYMBOL UNLESS SHOWN OTHERWISE.
- ALL PEDESTRIAN PUSH BUTTONS ARE TYPE "B" ADA BUTTON (POLARA BULLDOG III PB OR NAVIGATOR APS), WITH THE INTERNATIONAL SYMBOL AND LEGENDS PER STANDARD PLAN DRAWING NO. ES-5C.
- ALL SIGNS CODES SHOWN ARE PER THE CALIFORNIA MUTCD (LATEST).
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE EXISTENCE AND LOCATION OF ALL UNDERGROUND FACILITIES, AND TO PROTECT THEM FROM DAMAGE. THE CONTRACTOR SHALL BEAR THE TOTAL EXPENSE OF REPAIR OR REPLACEMENT OF ANY UNDERGROUND FACILITIES DAMAGED DURING CONSTRUCTION.
- CONDUCTOR SCHEDULE IS PROVIDED AS AN INSTALLATION GUIDELINE ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE THE CORRECT CONDUCTORS REQUIRED FOR THE INTENDED OPERATION.
- ALL EXISTING TRAFFIC SIGNAL EQUIPMENT, INCLUDING POLES, CONDUITS, PULL BOXES, ETC., WITHIN CONSTRUCTION AREAS TO BE REUSED, SHALL BE PROTECTED IN PLACE, AND THE PULL BOXES ADJUSTED TO GRADE.
- OBTAIN APPROVAL FOR EXACT EQUIPMENT LOCATION PRIOR TO FINAL PLACEMENT. BICYCLE LOOP DETECTORS SHALL BE PER DRAWING NO. S-70.1D OF CITY OF LOS ANGELES SPECIAL PROVISIONS STANDARD DRAWINGS.

LEGENDS

- Traffic Signal Serial Connection Pair
- ◆ Traffic Signal Ethernet Connection Pair
- Traffic Signal IC Connections
- ▲ Test Communication Pair
- Displacement Connector

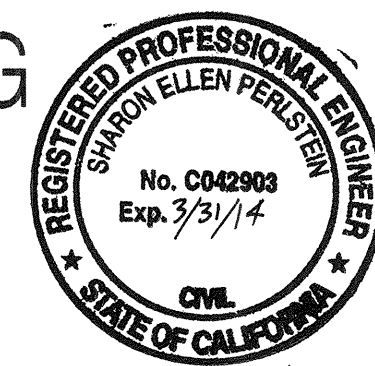
C1-SMB1
(West SMB)

C2-SMB2
(East SMB)

C3-FTN
(FOUNTAIN)

C4-SUN
(SUNSET)

SIC WIRING



APPROVED BY:
Sharon Perle 7/1/13
CITY ENGINEER
CITY OF WEST HOLLYWOOD

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CITY OF WEST HOLLYWOOD

TRANSIT PRIORITY SYSTEM PHASE I
TRAFFIC SIGNAL COMMUNICATION PROJECT
for
COMMUNICATION MODIFICATION LAYOUT 1 - TMC

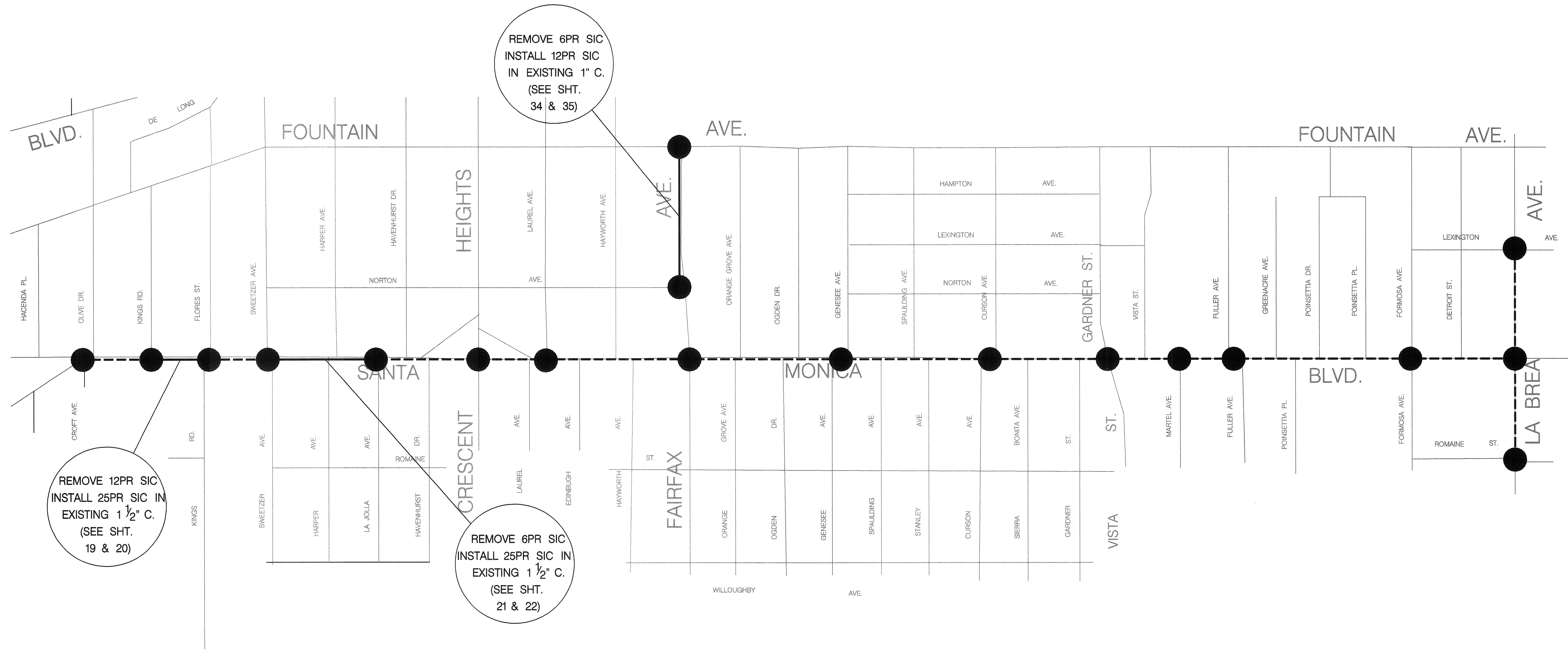
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DESIGNED BY:
CHECKED BY:

SHT. 5 OF 38 SHTS.

PLAN NO.

LEGEND:

- TRAFFIC SIGNAL LOCATIONS
- EXISTING (NO WORK)
- PROPOSED WORK



NOTE: CONTRACTOR SHALL MEET WITH THE CITY ENGINEER FIVE (5) DAYS PRIOR TO THE REMOVE AND/OR INSTALLATION OF INTERCONNECT CABLES.



APPROVED BY:
Sharon Perlota 9/1/13
 CITY ENGINEER
 CITY OF WEST HOLLYWOOD

BENCH MARK:
 NO. _____ ELEV. _____
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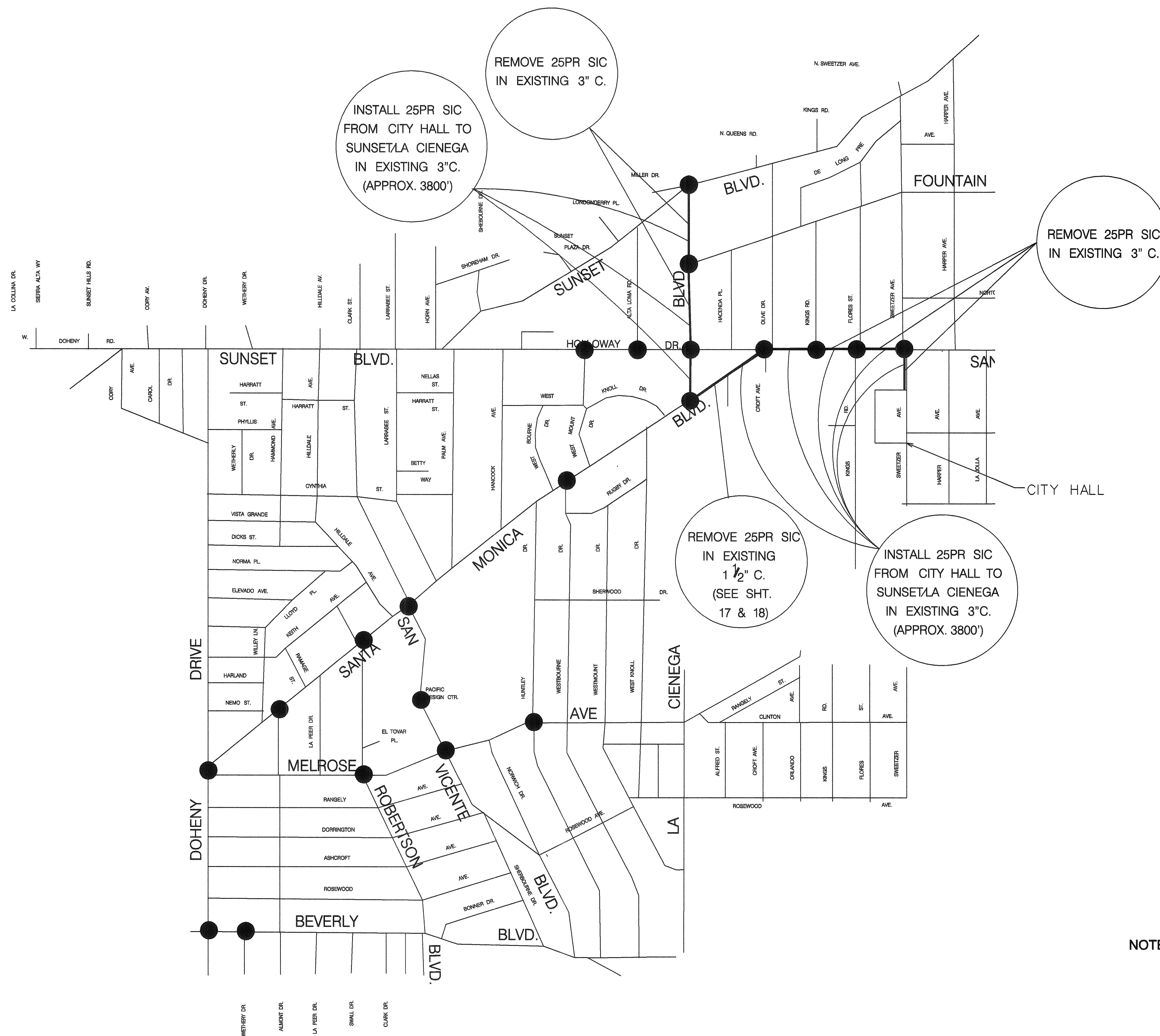
CITY OF WEST HOLLYWOOD

TRANSIT PRIORITY SYSTEM PHASE I
 TRAFFIC SIGNAL COMMUNICATION PROJECT
 for
 COMMUNICATION MODIFICATION LAYOUT - 2 (C2 CABLE - SMB2)

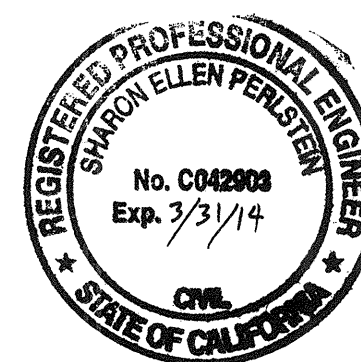
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| DESIGNED BY: | | |
| CHECKED BY: | | |

LEGEND:

- TRAFFIC SIGNAL LOCATIONS
- EXISTING (NO WORK)
- PROPOSED WORK



NOTE: CONTRACTOR SHALL MEET WITH THE CITY ENGINEER FIVE (5) DAYS PRIOR TO THE REMOVE AND/OR INSTALLATION OF INTERCONNECT CABLES.



APPROVED BY:
Shawn Perlester 9/11/13
 CITY ENGINEER
 CITY OF WEST HOLLYWOOD

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CITY OF WEST HOLLYWOOD

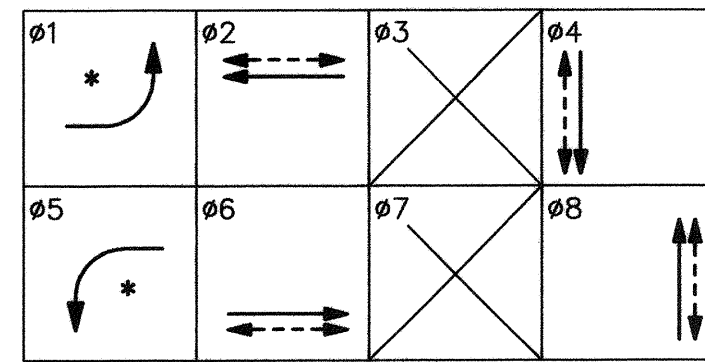
TRANSIT PRIORITY SYSTEM PHASE I
 TRAFFIC SIGNAL COMMUNICATION PROJECT
 for
 COMMUNICATION MODIFICATION LAYOUT - 3
 (C4 CABLE - SUNSET)

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SHT. 7 OF 38 SHTS.

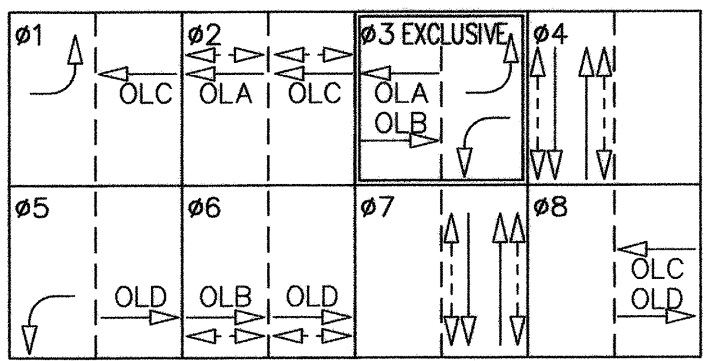
PLAN NO.

PROPOSED PHASE DIAGRAM



* PROTECTED PERMISSIVE

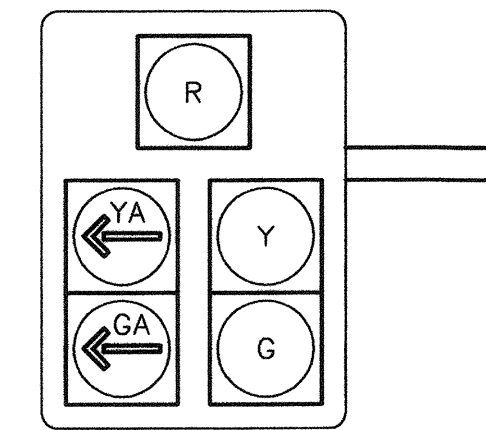
EXISTING PHASE DIAGRAM



02, 04 & 06 ON PED AND MINIMUM RECALL.
02 & 06 ON DUAL ENTRY.
04 & 08 ON DUAL ENTRY.

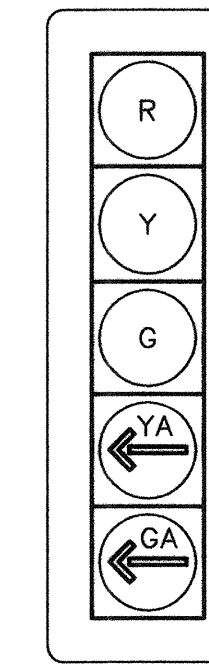
GENERAL NOTES:

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- ALL VEHICLE HEADS ARE 12" LED TYPE AND ALL PEDESTRIAN INDICATIONS ARE COUNTDOWN LED INTERNATIONAL SYMBOL UNLESS SHOWN OTHERWISE.
- ALL PEDESTRIAN PUSH BUTTONS ARE "TYPE B" ADA BUTTON (BULLDOG III PB), WITH INTERNATIONAL SYMBOL AND LEGENDS PER STANDARD PLAN DRAWING NO. ES-5C.
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- OBTAIN APPROVAL FOR EXACT EQUIPMENT LOCATION PRIOR TO FINAL PLACEMENT. BICYCLE LOOP DETECTORS SHALL BE PER DRAWING NO. S-70.1D OF CITY OF LOS ANGELES SPECIAL PROVISIONS STANDARD DRAWINGS.



DETAIL "A"

ALL LENSES SHALL BE 12"
(NO SCALE)

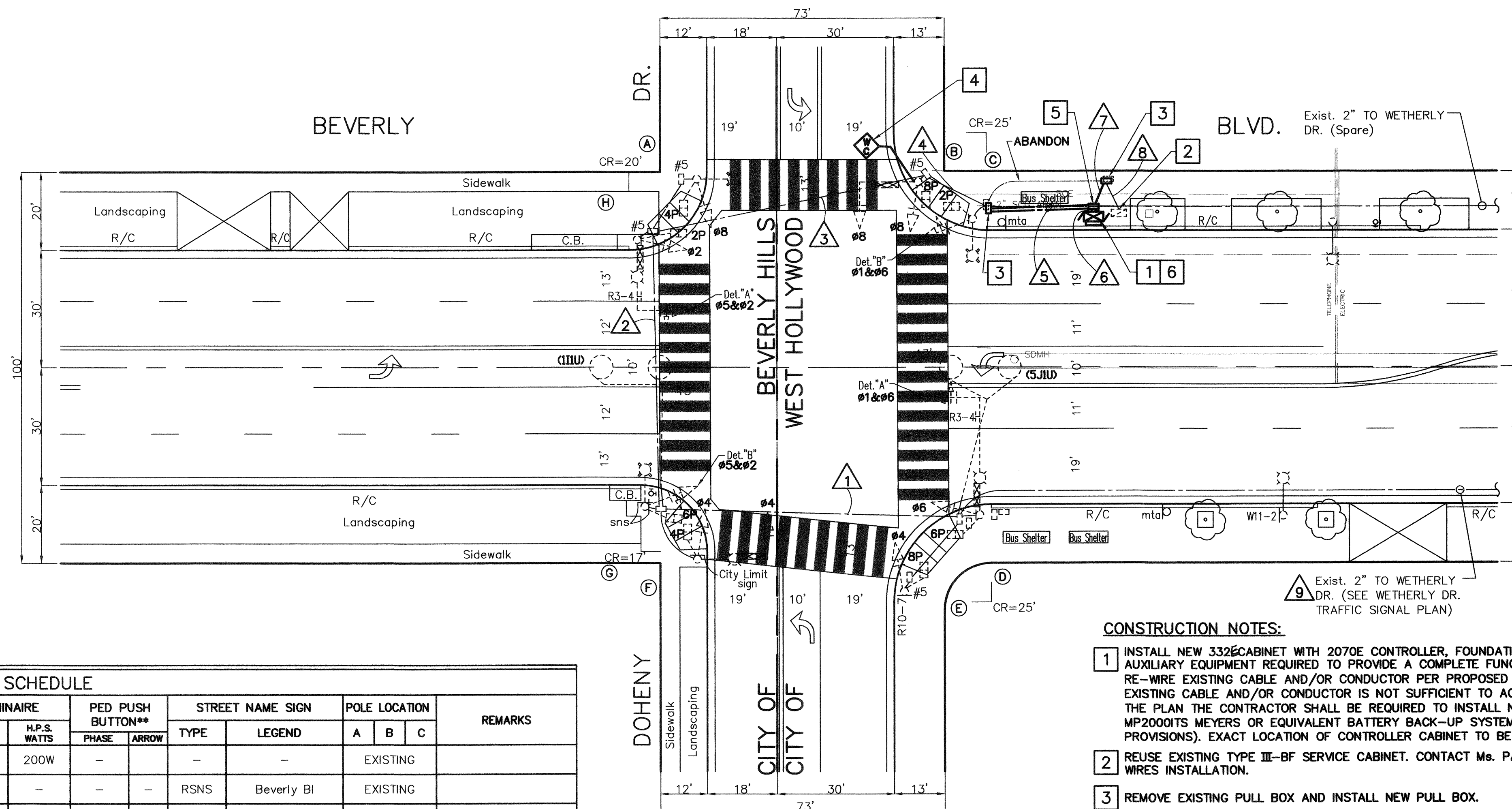


DETAIL "B"

ALL LENSES SHALL BE 12"
(NO SCALE)

| CONDUCTOR SCHEDULE AT DOHNEY DR. | | | | | | | | | | | |
|----------------------------------|-----------------------------|------|------|------|------|------|------|-----|-----|---|----|
| AWG SIZE OR CABLE TYPE | POLE OR CIRCUIT | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 28 CONDUCTOR CABLE | | 2(E) | 2(E) | 2(E) | 2(E) | 2 | 2 | | | | |
| #6 | SIGNAL SERVICE | | | | | 2 | 2 | 2 | | | |
| | TOTAL | | | | | 2 | 2 | 2 | | | |
| #10 | LUMINAIRE | 2(E) | 2(E) | 2(E) | 2(E) | 2 | 2 | 2 | | | |
| | TOTAL | 2(E) | 2(E) | 2(E) | 2(E) | 2 | 2 | 2 | | | |
| DLC | 01 DETECTOR LOOP | | 1(E) | 1(E) | 1(E) | 1(E) | 1(E) | | | | |
| | 05 DETECTOR LOOP | 1(E) | 1(E) | 1(E) | 1(E) | 1(E) | 1(E) | | | | |
| | TOTAL | 1(E) | 2(E) | 2(E) | 2(E) | 2(E) | 2(E) | | | | |
| | WIRELESS INTERCONNECT CABLE | | | | | 1 | 1 | 1 | 1 | | |
| | 12PR-#19 INTERCONNECT CABLE | 1 | 1 | 1 | 1 | 1 | 1 | | | | 1 |
| | CONDUIT SIZE | 3" | 3" | 3" | 3" | 2" | 2" | 2" | 2" | | |
| | | (E) | (E) | (E) | (E) | (E) | (E) | (E) | (E) | | |

ALL CONDUITS AND CONDUCTORS ARE NEW UNLESS OTHERWISE INDICATED AS: (E)=EXISTING

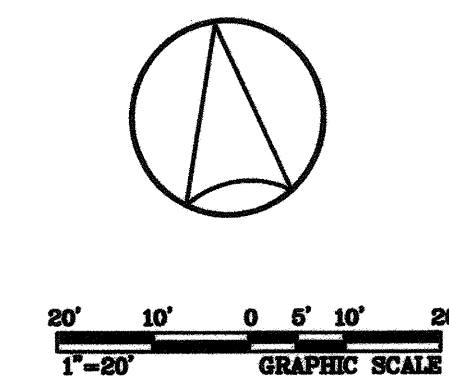


| POLE SCHEDULE | | | | | | | | | | | | | | |
|---------------|-----------|--------|--------------------|-----------------|--------|--------|-------------|--------------|-------------------|-------|------------------|------------|---------------|---------|
| NO. | POLE TYPE | HEIGHT | SIGNAL M.A. LENGTH | SIGNAL MOUNTING | | | LUMINAIRE | | PED PUSH BUTTON** | | STREET NAME SIGN | | POLE LOCATION | REMARKS |
| | | | | M.A. | POLE | PED* | M.A. LENGTH | H.P.S. WATTS | PHASE | ARROW | TYPE | LEGEND | | |
| (A) | 15 | 30' | - | - | SV-1-T | SP-1-T | 8' | 200W | - | - | - | - | EXISTING | |
| (B) | 16-M | 18.5' | 15' | MAS | SV-1-T | SP-1-T | - | - | - | - | RSNS | Beverly Bl | EXISTING | |
| (C) | 15 | 30' | - | - | SV-1-T | SP-1-T | 8' | 200W | 8 | → | - | - | EXISTING | |
| (D) | 19-3-70 | 30' | 30' | MAS-5A | SV-1-T | SP-1-T | 8' | 200W | 8 | ← | RSNS | Dohney Dr | EXISTING | |
| (E) | 1A | 10' | - | - | TV-1-T | SP-1-T | - | - | - | - | - | - | EXISTING | |
| (F) | 17-M | 30' | 18' | MAS | SV-1-T | SP-1-T | 8' | 200W | - | - | RSNS | Beverly Bl | EXISTING | |
| (G) | 15 | 30' | - | - | SV-1-T | SP-1-T | 8' | 200W | 4 | → | - | - | EXISTING | |
| (H) | 17-M | 30' | 18' | MAS-5A | SV-1-T | SP-1-T | 8' | 200W | 4 | ← | RSNS | Dohney Dr | EXISTING | |

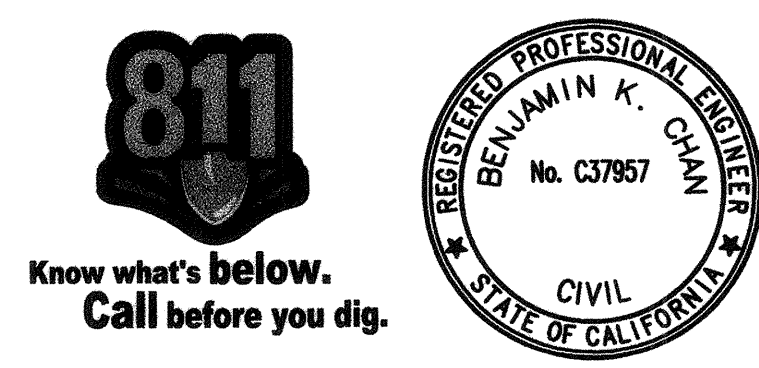
ALL EQUIPMENT SHOWN IS EXISTING UNLESS OTHERWISE NOTED; (N) = NEW
RSNS - RETROREFLECTIVE STREET NAME SIGN
* - COUNTDOWN PED HEAD
** - BULLDOG PUSH BUTTON

CONSTRUCTION NOTES:

- INSTALL NEW 332C CABINET WITH 2070E CONTROLLER, FOUNDATION, POLARA PUSH BUTTON CONTROL UNIT, AND OTHER AUXILIARY EQUIPMENT REQUIRED TO PROVIDE A COMPLETE FUNCTIONING CONTROLLER FOR THE OPERATION AS SHOWN. RE-WIRE EXISTING CABLE AND/OR CONDUCTOR PER PROPOSED SIGNAL PHASE AS SHOWN. IN THE EVENT THAT THE EXISTING CABLE AND/OR CONDUCTOR IS NOT SUFFICIENT TO ACCOMPLISH THE PROPOSED INSTALLATION AS SHOWN ON THE PLAN THE CONTRACTOR SHALL BE REQUIRED TO INSTALL NEW CABLE AND/OR CONDUCTOR. INSTALL NEW MP2000ITS MEYERS OR EQUIVALENT BATTERY BACK-UP SYSTEM ATTACHED THE CONTROLLER CABINET (SEE SPECIAL PROVISIONS). EXACT LOCATION OF CONTROLLER CABINET TO BE DETERMINED BY THE ENGINEER.
- REUSE EXISTING TYPE III-BF SERVICE CABINET. CONTACT Ms. PAULA LEE AT (310) 315-3220 10 DAYS PRIOR TO WIRES INSTALLATION.
- REMOVE EXISTING PULL BOX AND INSTALL NEW PULL BOX.
- INSTALL ENCOM 5.8G COMMPAKBB59INT WIRELESS INTERCONNECT SYSTEM OR EQUIVALENT. CONTRACTOR SHALL COORDINATE WITH THE ENGINEER FIVE (5) DAYS PRIOR TO ANTENNA INSTALLATION FOR EXACT MOUNTING LOCATION.
- INSTALL PULL BOX IN EXISTING CONDUIT RUN.
- INSTALL 12PR-#19 INTERCONNECT CABLE FROM CONTROLLER AT DOHNEY DR. TO THE CONTROLLER AT WETHERLY DR. SEE WETHERLY DR. TRAFFIC SIGNAL PLAN.



S:\2011\081185.MEHO.PRS\DESIGN\TASK_2_MERROSE\BEVERLY_DOHNEY_WETHERLY_DR.DWG 12/2/12



Plan Prepared By: Benjamin Chan 9/14/13
Date

Accepted By: Sharon Reister 9/11/13
Date
CITY ENGINEER
CITY OF WEST HOLLYWOOD

KOA CORPORATION
PLANNING & ENGINEERING
1100 Corporate Center Drive, Suite 201
Monterey Park, California 91754
Tel: (323) 260-4703 Fax: (323) 260-4705

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TRAFFIC SIGNAL COMMUNICATION UPGRADES FOR THE METRO RAPID TRANSIT PRIORITY SYSTEM PROJECT CIP1402

CITY OF WEST HOLLYWOOD

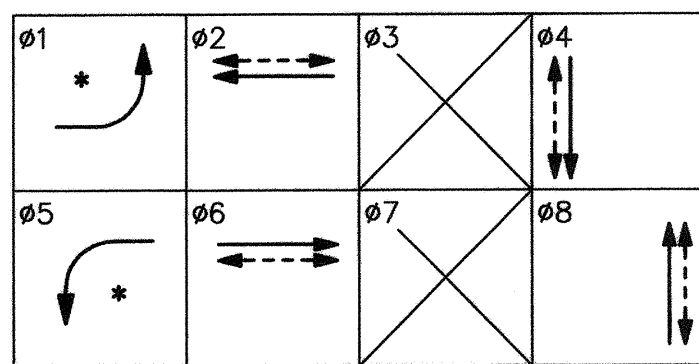
TRAFFIC SIGNAL PLAN
FOR
BEVERLY BOULEVARD
DOHNEY DRIVE

DRAWN BY: AXK
DESIGNED BY: AXK
CHECKED BY: EHY

SHT. 8 OF 38 SHT.

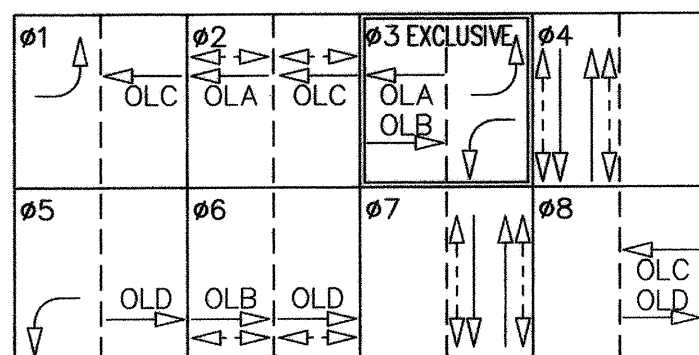
PLAN NO. _____

PROPOSED PHASE DIAGRAM



* PROTECTED PERMISSIVE

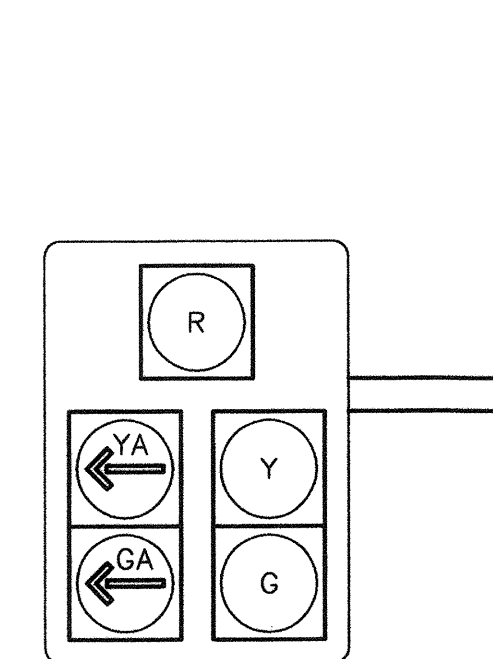
EXISTING PHASE DIAGRAM



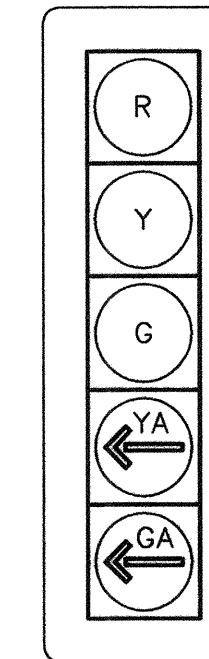
ø2, ø4 & ø6 ON PED AND MINIMUM RECALL.
ø2 & ø6 ON DUAL ENTRY.
ø4 & ø8 ON DUAL ENTRY.

GENERAL NOTES:

- TRAFFIC SIGNAL AND LIGHTING MATERIALS AND INSTALLATION METHODS SHALL CONFORM TO THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION (CALTRANS) STANDARD SPECIFICATIONS, SECTION 86, AND STANDARD PLANS, LATEST EDITION.
- ALL PULL BOXES ARE NO. 6 UNLESS OTHERWISE NOTED.
- ALL VEHICLE HEADS ARE 12" LED TYPE AND ALL PEDESTRIAN INDICATIONS ARE COUNTDOWN LED INTERNATIONAL SYMBOL UNLESS SHOWN OTHERWISE.
- ALL PEDESTRIAN PUSH BUTTONS ARE "TYPE B" ADA BUTTON (BULLDOG III PB), WITH INTERNATIONAL SYMBOL AND LEGENDS PER STANDARD PLAN DRAWING NO. ES-5C.
- ALL SIGN CODES SHOWN ARE PER THE CALIFORNIA MUTCD (LATEST).
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE EXISTENCE AND LOCATION OF ALL UNDERGROUND FACILITIES, AND TO PROTECT THEM FROM DAMAGE. THE CONTRACTOR SHALL BEAR THE TOTAL EXPENSE OF REPAIR OR REPLACEMENT OF ANY UNDERGROUND FACILITIES DAMAGED DURING CONSTRUCTION.
- CONDUCTOR SCHEDULE IS PROVIDED AS AN INSTALLATION GUIDELINE ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE THE CORRECT CONDUCTORS REQUIRED FOR THE INTENDED OPERATION.
- ALL EXISTING TRAFFIC SIGNAL EQUIPMENT, INCLUDING POLES, CONDUITS, PULL BOXES, ETC, WITHIN CONSTRUCTION AREAS SHOWN TO BE REUSED, SHALL BE PROTECTED IN PLACE, AND THE PULL BOXES ADJUSTED TO GRADE.
- OBTAIN APPROVAL FOR EXACT EQUIPMENT LOCATION PRIOR TO FINAL PLACEMENT.
- INDICATES VIDEO DETECTION ZONE.



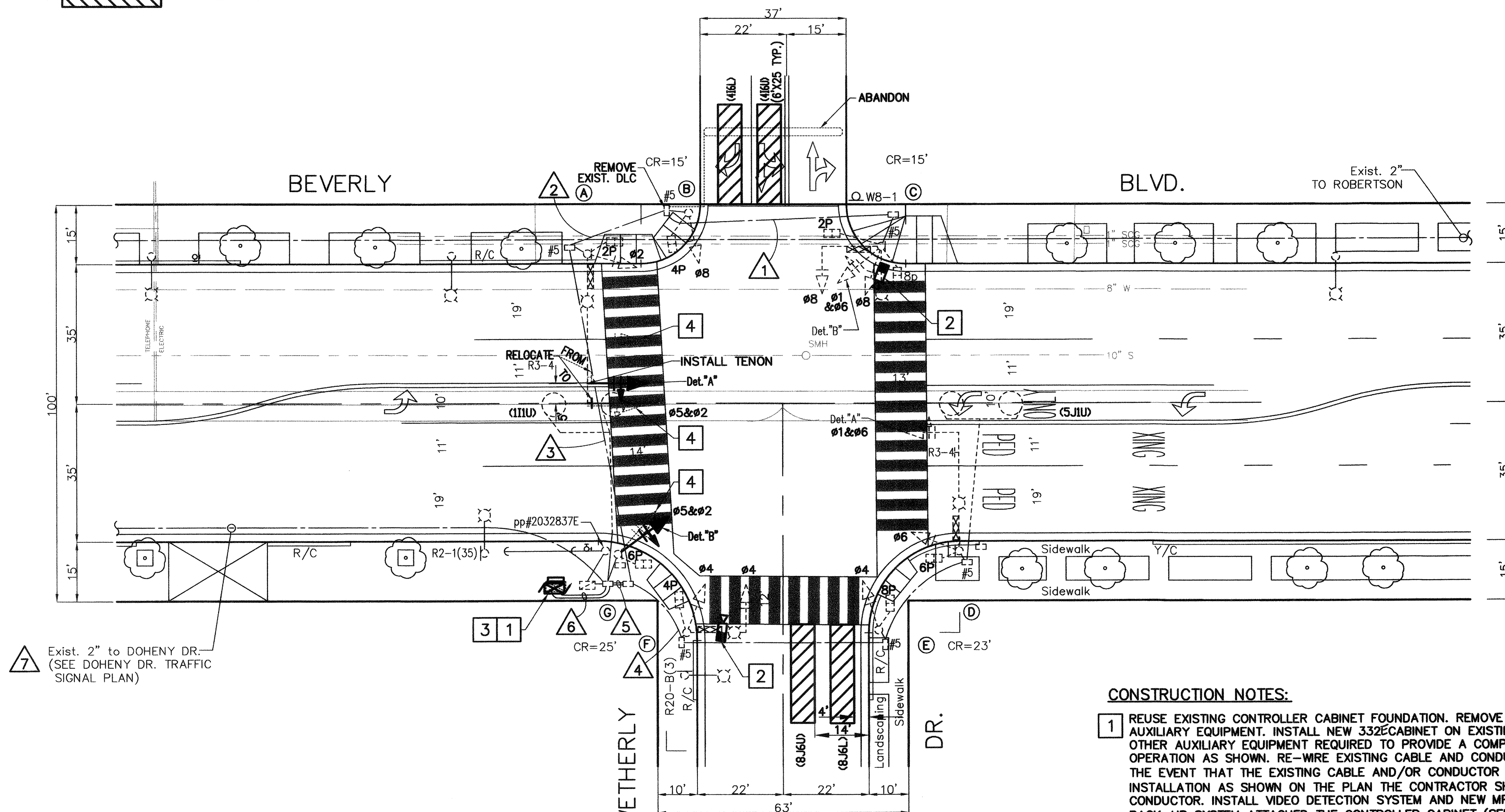
DETAIL "A"
ALL LENSES SHALL BE 12"
(NO SCALE)



DETAIL "B"
ALL LENSES SHALL BE 12"
(NO SCALE)

| CONDUCTOR SCHEDULE AT WETHERLY DR. | | | | | | | | | |
|------------------------------------|-----------------|------|------|------|------|------|------|------|------|
| AWG SIZE OR CABLE TYPE | POLE OR CIRCUIT | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 28 CONDUCTOR CABLE | | 2(E) | 2(E) | 2(E) | 2(E) | 2(E) | 2(E) | | |
| #6 SIGNAL SERVICE | | | | | | | | 2(E) | |
| #6 TOTAL | | | | | | | | 2(E) | |
| #10 LUMINAIRE | | 2(E) | 2(E) | 2(E) | 2(E) | 2(E) | 2(E) | | |
| #10 TOTAL | | 2(E) | 2(E) | 2(E) | 2(E) | 2(E) | 2(E) | | |
| DLC #1 DETECTOR LOOP | | | | | | | | 1(E) | 1(E) |
| DLC #5 DETECTOR LOOP | | | | | | | | 1(E) | 1(E) |
| DLC TOTAL | | | | | | | | 1(E) | 1(E) |
| VIDEO DETECTION CABLE | | 1 | 1 | 1 | 1 | 1 | 2 | | |
| 12PR-#19 INTERCONNECT CABLE | | | | | | | | 1 | 1 |
| CONDUIT SIZE | | 3" | 2" | 3" | 3" | 2" | 2" | 2" | 2" |

ALL CONDUITS AND CONDUCTORS ARE NEW UNLESS OTHERWISE INDICATED AS: (E)=EXISTING



CONSTRUCTION NOTES:

- REUSE EXISTING CONTROLLER CABINET FOUNDATION. REMOVE EXISTING CONTROLLER CABINET, CONTROLLER AND AUXILIARY EQUIPMENT. INSTALL NEW 352E CABINET ON EXISTING FOUNDATION WITH 2070E CONTROLLER AND OTHER AUXILIARY EQUIPMENT REQUIRED TO PROVIDE A COMPLETE FUNCTIONING CONTROLLER FOR THE OPERATION AS SHOWN. RE-WIRE EXISTING CABLE AND CONDUCTOR PER PROPOSED SIGNAL PHASE AS SHOWN. IN THE EVENT THAT THE EXISTING CABLE AND/OR CONDUCTOR IS NOT SUFFICIENT TO ACCOMPLISH THE PROPOSED INSTALLATION AS SHOWN ON THE PLAN THE CONTRACTOR SHALL BE REQUIRED TO INSTALL NEW CABLE AND/OR CONDUCTOR. INSTALL VIDEO DETECTION SYSTEM AND NEW MP2000ITS MEYERS OR EQUIVALENT BATTERY BACK-UP SYSTEM ATTACHED TO THE CONTROLLER CABINET (SEE SPECIAL PROVISIONS).
- INSTALL ITERIS VANTAGE EDGE® 2 VIDEO DETECTION CAMERA ON LUMINAIRE MAST ARM AS SHOWN (SEE SPECIAL PROVISIONS). CONTRACTOR SHALL COORDINATE WITH ITERIS AND ENGINEER AT LEAST TWO (2) WEEKS PRIOR INSTALLATION.
- INSTALL 12PR-#19 INTERCONNECT CABLE FROM CONTROLLER AT DOHNEY DR. TO THE CONTROLLER AT WETHERLY DR. SEE DOHNEY DR. TRAFFIC SIGNAL PLAN.
- REMOVE EXISTING SIGNAL INDICATION.

| POLE SCHEDULE | | | | | | | | | | | | | |
|---------------|---------|--------|--------------------|-----------|-----------|-----------|-------------|-------------------|-------|------------------|------|---------------|--|
| NO. | POLE | | SIGNAL MOUNTING | | | LUMINAIRE | | PED PUSH BUTTON** | | STREET NAME SIGN | | POLE LOCATION | REMARKS |
| | TYPE | HEIGHT | SIGNAL M.A. LENGTH | M.A. | POLE | PED* | M.A. LENGTH | H.P.S. WATTS | PHASE | ARROW | TYPE | | |
| (A) | 26-4-70 | 30' | 35' | MAS-5A(N) | SV-1-T | SP-1-T | 12' | 200W | 4 | ← | RSNS | Wetherly Dr | EXISTING |
| (B) | 1A | 10' | - | - | TV-1-T | SP-1-T | - | - | - | - | - | - | EXISTING |
| (C) | 17-3-70 | 30' | 15' | MAS | SV-2-TA | SP-2-T | 12' | 200W | 8 | ← | RSNS | Beverly Blvd | EXISTING |
| (D) | 19-4-70 | 30' | 30' | MAS-5A | SV-1-T | SP-1-T | 12' | 200W | 8 | ← | RSNS | Wetherly Dr | EXISTING |
| (E) | 1A | 10' | - | - | TV-1-T | SP-1-T | - | - | - | - | - | - | EXISTING |
| (F) | 17-3-70 | 30' | 15' | MAS | SV-1-T | SP-1-T | 12' | 200W | - | - | RSNS | Beverly Blvd | EXISTING |
| (G) | 1A | 10' | - | - | TV-1-T(N) | SP-1-T | - | - | 4 | → | - | - | EXISTING NEW VEHICLE MOUNTING BRACKET |

ALL EQUIPMENT SHOWN IS EXISTING UNLESS OTHERWISE NOTED; (N) = NEW
RSNS - RETROREFLECTIVE STREET NAME SIGN
* - COUNTDOWN PED HEAD
** - BULLDOG PUSH BUTTON



Plan Prepared By: *Benjamin Chan* 9/14/2013
Accepted By: *Sharon Perlaten* 9/11/13
KOA CORPORATION
PLANNING & ENGINEERING
1100 Corporate Center Drive, Suite 201
Monterey Park, California 91754
Tel: (323) 260-4703 Fax: (323) 260-4705

| NO. | REVISIONS DESCRIPTION | APP. | DATE |
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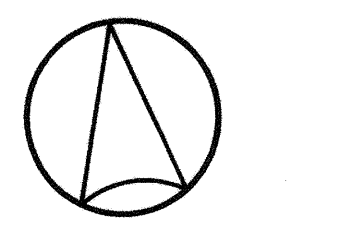
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TRAFFIC SIGNAL COMMUNICATION UPGRADES FOR THE METRO RAPID TRANSIT PRIORITY SYSTEM PROJECT CIP1402

CITY OF WEST HOLLYWOOD

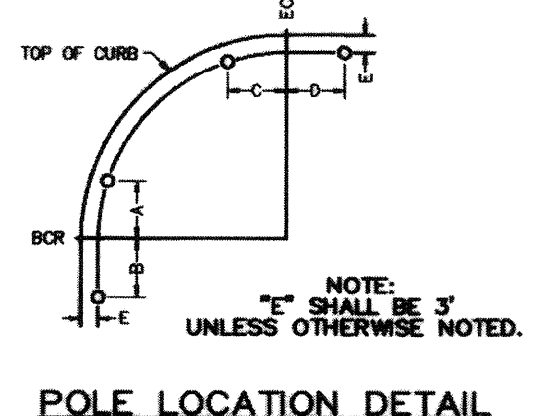
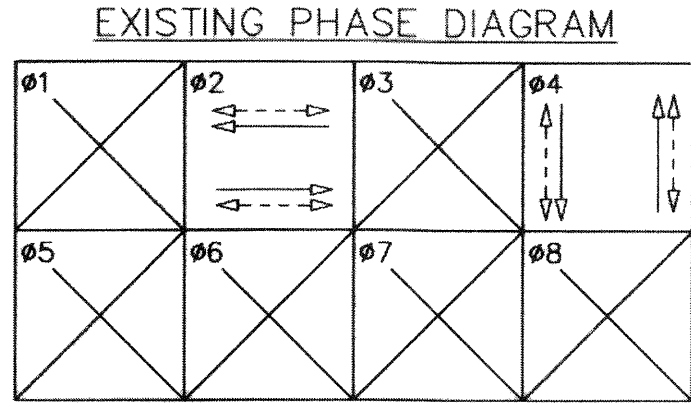
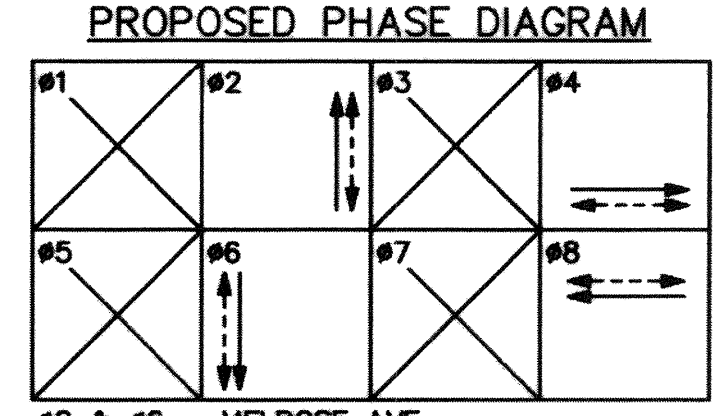
TRAFFIC SIGNAL PLAN FOR BEVERLY BOULEVARD WETHERLY DRIVE

DRAWN BY: AXK
DESIGNED BY: AXK
CHECKED BY: EHY
SHT. 9 OF 38 SHT. PLAN NO.



| POLE SCHEDULE | | | | | | | | | | | | | | | | |
|---------------|-----------|--------|--------------------|-----------------|---------|--------|-------------|--------------|-----------------|-------|------------------|----------------|---------------|---|----------|---------|
| NO. | POLE TYPE | HEIGHT | SIGNAL M.A. LENGTH | SIGNAL MOUNTING | | | LUMINAIRE | | PED PUSH BUTTON | | STREET NAME SIGN | | POLE LOCATION | | | REMARKS |
| | | | | M.A. | POLE | PED | M.A. LENGTH | H.P.S. WATTS | PHASE | ARROW | TYPE | LEGEND | A | B | C | |
| A | 17M | 30' | 18' | MAS | SV-1-T | SP-1-T | 12' | 200W | | | RSNS | SEE DETAIL "A" | | | EXISTING | |
| B | 15 | 30' | - | - | SV-2-TA | SP-1-T | 12' | 200W | 8 | | - | - | | | EXISTING | |
| C | 3 | 30' | 18' | MAS | SV-1-T | SP-1-T | 12' | 200W | 8 | | RSNS | SEE DETAIL "B" | | | EXISTING | |
| D | 15 | 30' | - | - | SV-1-T | SP-1-T | 12' | 200W | | | - | - | | | EXISTING | |
| E | 17M | 30' | 18' | MAS | SV-1-T | SP-1-T | 12' | 200W | | | RSNS | SEE DETAIL "C" | | | EXISTING | |
| F | 15 | 30' | - | - | SV-2-TA | SP-1-T | 12' | 200W | 4 | | - | - | | | EXISTING | |
| G | 3 | 30' | 18' | MAS | SV-1-T | SP-1-T | 12' | 200W | 4 | | RSNS | SEE DETAIL "D" | | | EXISTING | |
| H | 15 | 30' | - | - | SV-1-T | SP-1-T | 12' | 200W | | | - | - | | | EXISTING | |

ALL EQUIPMENT SHOWN IS EXISTING UNLESS OTHERWISE NOTED; (N) = NEW
RSNS - RETROREFLECTIVE STREET NAME SIGN



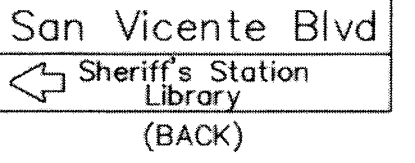
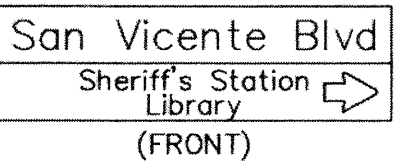
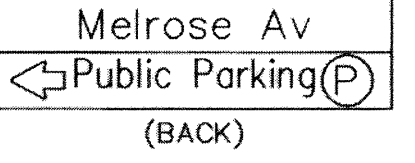
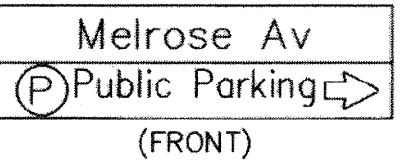
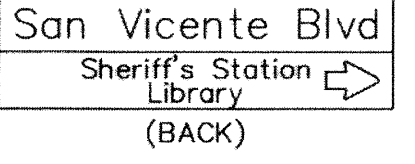
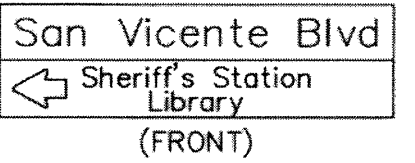
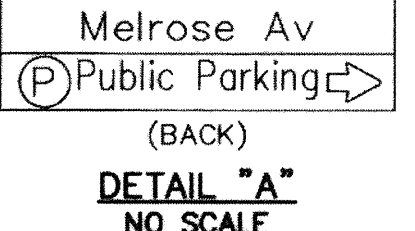
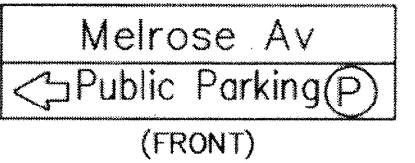
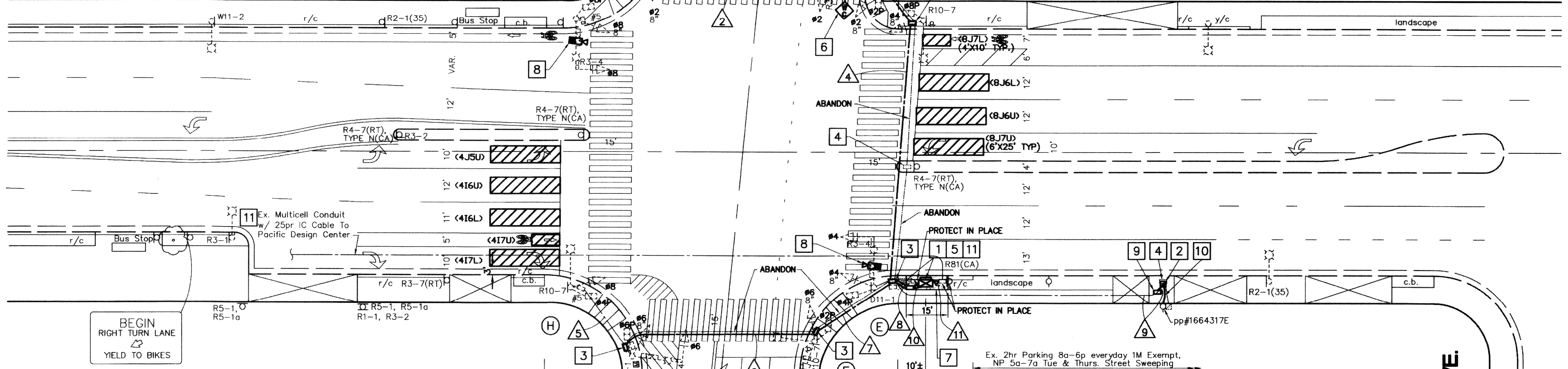
#2 & #6 - MELROSE AVE.
#4 & #8 - SAN VICENTE AVE.

SAN VICENTE

POLE LOCATION DETAIL (NO SCALE)

GENERAL NOTES:

- TRAFFIC SIGNAL AND LIGHTING MATERIALS AND INSTALLATION METHODS SHALL CONFORM TO THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION (CALTRANS) STANDARD SPECIFICATIONS, SECTION 86, AND STANDARD PLANS, LATEST EDITION.
- ALL PULL BOXES ARE NO. 6 UNLESS OTHERWISE NOTED.
- ALL VEHICLE HEADS ARE 12" LED TYPE AND ALL PEDESTRIAN INDICATIONS ARE COUNTDOWN LED INTERNATIONAL SYMBOL UNLESS SHOWN OTHERWISE.
- ALL PEDESTRIAN PUSH BUTTONS ARE "TYPE B" ADA BUTTON (BULLDOG III PB), WITH INTERNATIONAL SYMBOL AND LEGENDS PER STANDARD PLAN DRAWING NO. ES-5C.
- ALL SIGN CODES SHOWN ARE PER THE CALIFORNIA MUTCD (LATEST).
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE EXISTENCE AND LOCATION OF ALL UNDERGROUND FACILITIES, AND TO PROTECT THEM FROM DAMAGE. THE CONTRACTOR SHALL BEAR THE TOTAL EXPENSE OF REPAIR OR REPLACEMENT OF ANY UNDERGROUND FACILITIES DAMAGED DURING CONSTRUCTION.
- CONDUCTOR SCHEDULE IS PROVIDED AS AN INSTALLATION GUIDELINE ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE THE CORRECT CONDUCTORS REQUIRED FOR THE INTENDED OPERATION.
- ALL EXISTING TRAFFIC SIGNAL EQUIPMENT, INCLUDING POLES, CONDUITS, PULL BOXES, ETC. WITHIN CONSTRUCTION AREAS SHOWN TO BE REUSED, SHALL BE PROTECTED IN PLACE, AND THE PULL BOXES ADJUSTED TO GRADE.
- OBTAIN APPROVAL FOR EXACT EQUIPMENT LOCATION PRIOR TO FINAL PLACEMENT.
- INDICATES VIDEO DETECTION ZONE.

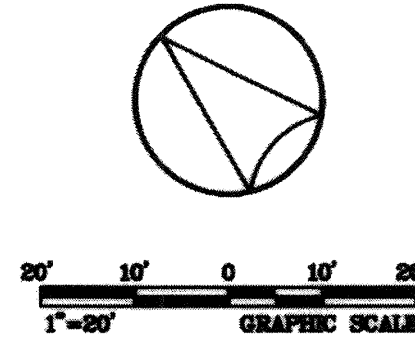


CONSTRUCTION NOTES:

- REMOVE EXISTING CABINET, CONTROLLER AND FOUNDATION COMPLETE. ABANDON CONDUIT. INSTALL NEW 332 CABINET WITH 2070E CONTROLLER, FOUNDATION AND OTHER AUXILIARY EQUIPMENT REQUIRED TO PROVIDE A COMPLETE FUNCTIONING CONTROLLER FOR THE OPERATION AS SHOWN. INSTALL VIDEO DETECTION SYSTEM AND NEW MP2000ITS MEYERS OR EQUIVALENT BATTERY BACK-UP SYSTEM ATTACHED TO THE CONTROLLER CABINET (SEE SPECIAL PROVISIONS). EXACT LOCATION OF CONTROLLER CABINET TO BE DETERMINED BY THE ENGINEER.
- REMOVE EXISTING SERVICE CABINET ATTACHED TO POWER POLE. INSTALL NEW TYPE III-BF ANODIZED ALUMINUM UNDERGROUND SERVICE CABINET PER CALTRANS STANDARD ES-2E COMPLETE WITH 1-120/240V, 2P MAIN CIRCUIT BREAKERS, 1-50A 120V, 1P CIRCUIT BREAKER FOR TRAFFIC SIGNALS (METERED) AND 2-30A, 120V 1P CIRCUIT BREAKERS (UNMETERED) FOR HIGHWAY SAFETY LIGHTS. CONTACT MS. PAULA LEE AT (310) 315-3220 10 DAYS PRIOR TO CONTROLLER INSTALLATION.
- REMOVE EXISTING PULL BOX AND INSTALL NEW PULL BOX.
- REMOVE EXISTING SIGNAL PULL BOX.
- PULL OUT THE EXISTING 7-WIRES INTERCONNECT AND ABANDON THE CONDUIT.
- INSTALL ENCOM 5.86 COMPAKBB 5858 WIRELESS INTERCONNECT SYSTEM OR EQUIVALENT. CONTRACTOR SHALL COORDINATE WITH THE ENGINEER FIVE (5) DAYS PRIOR TO ANTENNA INSTALLATION FOR EXACT MOUNTING LOCATION.
- INSTALL A 3.5" CONCRETE HOUSEKEEPING PAD WITH 15' X 4'-6" AREA FOR CONTROLLER CABINET AND JOIN EXISTING SURFACE SLOPE (SEE CALTRANS STANDARD PLAN ES-3C FOR MODEL 332 CONTROLLER FOUNDATION DETAIL).
- INSTALL ITERIS VANTAGE EDGE 2 VIDEO DETECTION CAMERA ON LUMINAIRE MAST ARM AS SHOWN (SEE SPECIAL PROVISIONS). CONTRACTOR SHALL COORDINATE WITH ITERIS AND ENGINEER AT LEAST TWO (2) WEEKS PRIOR TO INSTALLATION.
- INSTALL PULL BOX IN EXISTING CONDUIT RUN.
- INSTALL 3" CONDUIT. S.C.E. TO INSTALL SERVICE WIRES. CONTACT PAULA LEE AT (310) 315-3220 PRIOR TO START OF WORK.
- DISCONNECT THE EXISTING 25PR-#19 INTERCONNECT CABLE IN THE EXISTING CONTROLLER CABINET AND REROUTE EXISTING CABLE TO THE PROPOSED CONDUIT ON THIS PLAN BY USING COILED SLACK IN THE CONTROLLER CABINET AND INTERMEDIATE PULL BOXES. IN THE EVENT THAT THE SLACK IN THE CABLE IS NOT SUFFICIENT TO ACCOMPLISH THE PROPOSED INSTALLATION AS SHOWN ON THE PLAN.

| CONDUCTOR SCHEDULE | | AWG SIZE OR CABLE TYPE | | | | | | | | | | |
|-----------------------------|--|------------------------|----|----|----|------|------|------|------|----|------|------|
| POLE OR CIRCUIT | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 28 CONDUCTOR CABLE | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| SIGNAL SERVICE | | | | | | | | | | | | |
| #6 TOTAL | | | | | | | | | | | | |
| #8 LUMINAIRE | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| #8 TOTAL | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 25PR-#19 INTERCONNECT CABLE | | | | | | | | | | | | 1(E) |
| WIRELESS INTERCONNECT CABLE | | | | | | | | | | | | |
| VIDEO DETECTION CABLE | | 1 | 1 | 1 | 1 | | | | | | | |
| CONDUIT SIZE | | 2" | 3" | 3" | 3" | 1.5" | 1.5" | 1.5" | 1.5" | 2" | 1.5" | 2" |

ALL CONDUITS AND CONDUCTORS ARE NEW UNLESS OTHERWISE INDICATED AS: (E)=EXISTING



Plan Prepared By: Benjamin Chan 9/14/2013 Date

Accepted By: Sharon Perbster 9/11/13 Date

KOA CORPORATION
PLANNING & ENGINEERING
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Tel: (323) 260-4703 Fax: (323) 260-4705

| NO. | REVISIONS DESCRIPTION | APP. | DATE |
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| | | | |

TRAFFIC SIGNAL COMMUNICATION UPGRADES FOR THE METRO RAPID TRANSIT PRIORITY SYSTEM PROJECT CIP 1402

CITY OF WEST HOLLYWOOD

TRAFFIC SIGNAL PLAN FOR SAN VICENTE BOULEVARD MELROSE AVENUE

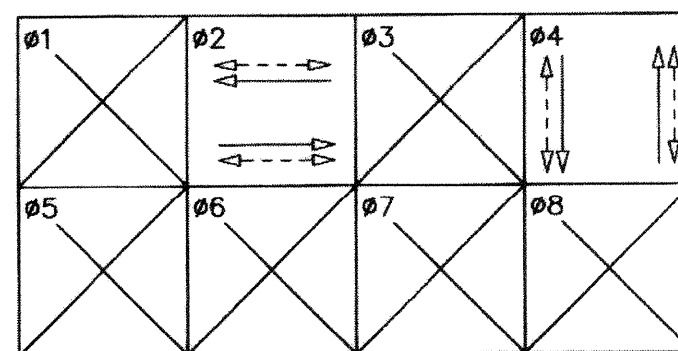
DRAWN BY: AXK
DESIGNED BY: AXK
CHECKED BY: EHY

SHT. 10 OF 38 SHT.

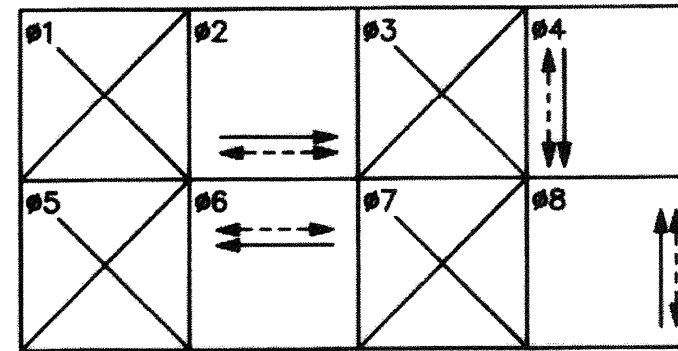
PLAN NO.

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EXISTING PHASE DIAGRAM

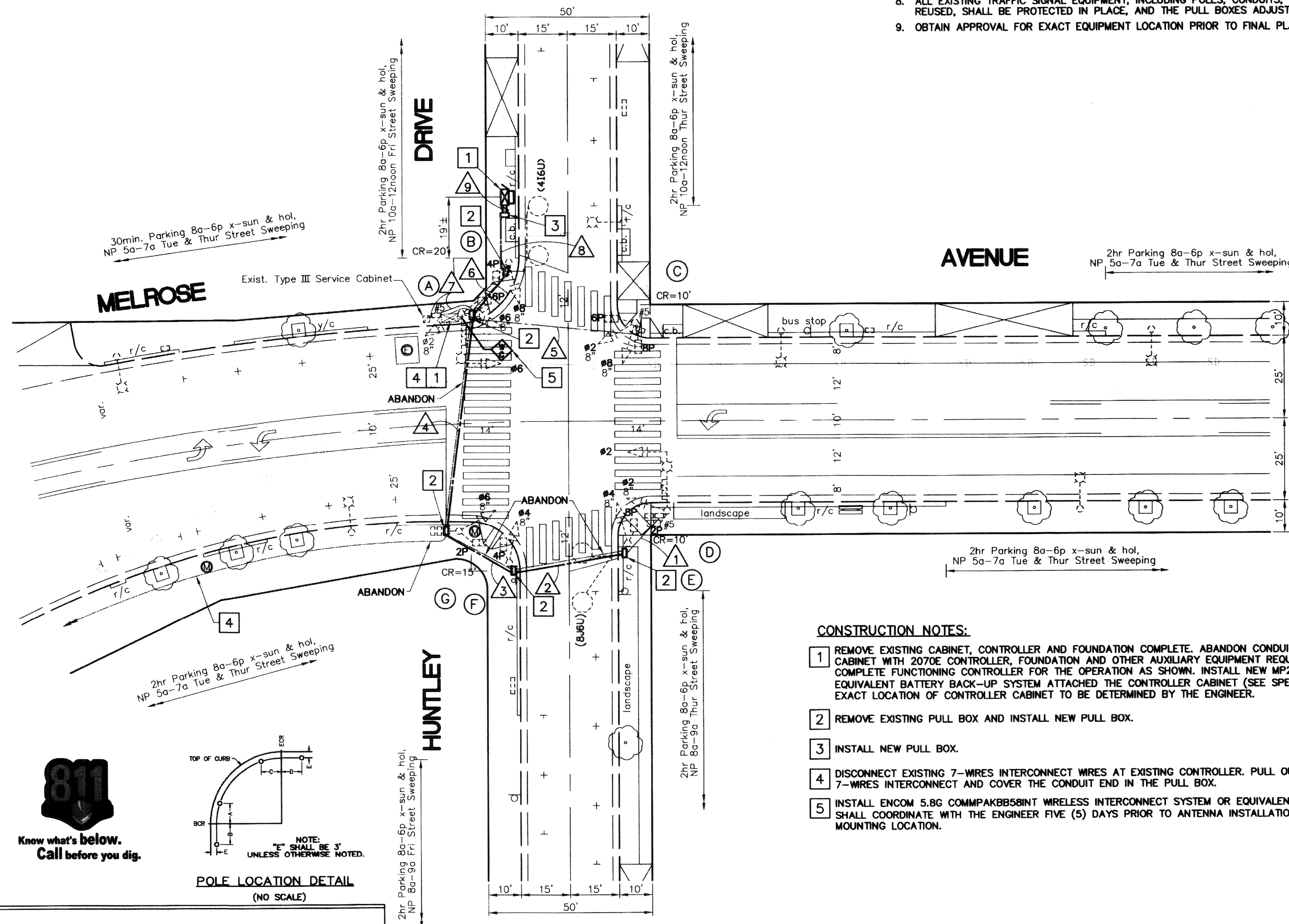


PROPOSED PHASE DIAGRAM



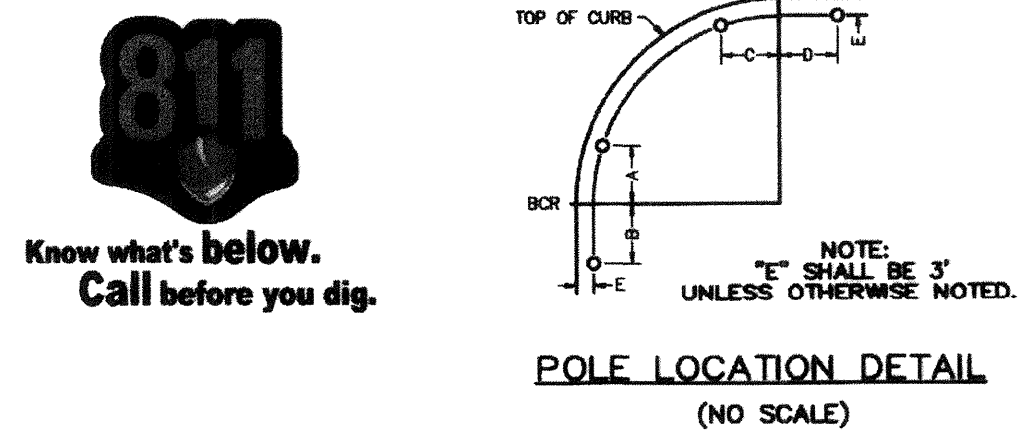
GENERAL NOTES:

1. TRAFFIC SIGNAL AND LIGHTING MATERIALS AND INSTALLATION METHODS SHALL CONFORM TO THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION (CALTRANS) STANDARD SPECIFICATIONS, SECTION 86, AND STANDARD PLANS, LATEST EDITION.
2. ALL PULL BOXES ARE NO. 6 UNLESS OTHERWISE NOTED.
3. ALL VEHICLE HEADS ARE 12" LED TYPE AND ALL PEDESTRIAN INDICATIONS ARE COUNTDOWN LED INTERNATIONAL SYMBOL UNLESS SHOWN OTHERWISE.
4. ALL PEDESTRIAN PUSH BUTTONS ARE "TYPE B" ADA BUTTON (BULLDOG III PB), WITH INTERNATIONAL SYMBOL AND LEGENDS PER STANDARD PLAN DRAWING NO. ES-5C.
5. ALL SIGN CODES SHOWN ARE PER THE CALIFORNIA MUTCD (LATEST).
6. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE EXISTENCE AND LOCATION OF ALL UNDERGROUND FACILITIES, AND TO PROTECT THEM FROM DAMAGE. THE CONTRACTOR SHALL BEAR THE TOTAL EXPENSE OF REPAIR OR REPLACEMENT OF ANY UNDERGROUND FACILITIES DAMAGED DURING CONSTRUCTION.
7. CONDUCTOR SCHEDULE IS PROVIDED AS AN INSTALLATION GUIDELINE ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE THE CORRECT CONDUCTORS REQUIRED FOR THE INTENDED OPERATION.
8. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT, INCLUDING PULLES, CONDUITS, PULL BOXES, ETC, WITHIN CONSTRUCTION AREAS SHOWN TO BE REUSED, SHALL BE PROTECTED IN PLACE, AND THE PULL BOXES ADJUSTED TO GRADE.
9. OBTAIN APPROVAL FOR EXACT EQUIPMENT LOCATION PRIOR TO FINAL PLACEMENT.



| CONDUCTOR SCHEDULE | | | | | | | | | | |
|-----------------------------|-----------------|----|----|----|----|------|----|------|----|------|
| AWG SIZE OR CABLE TYPE | POLE OR CIRCUIT | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 28 CONDUCTOR CABLE | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| #6 SIGNAL SERVICE | | | | | | | | 2 | 2 | 2 |
| TOTAL | | | | | | | | 2 | 2 | 2 |
| #8 LUMINAIRE | | 2 | 2 | 2 | 2 | | | 2 | | |
| TOTAL | | 2 | 2 | 2 | 2 | | | 2 | | |
| #4 DETECTOR LOOP | | | | | | | | | 1 | 1 |
| #8 DETECTOR LOOP | | 1 | 1 | 1 | 1 | | | 1 | 1 | 1 |
| TOTAL | | | | | | | | | 1 | 1 |
| WIRELESS INTERCONNECT CABLE | | | | | | | | | 1 | 1 |
| CONDUIT SIZE | | 2" | 3" | 3" | 3" | 1.5" | 3" | 1.5" | 3" | 2-3" |

ALL CONDUITS AND CONDUCTORS ARE NEW UNLESS OTHERWISE INDICATED AS: (E)=EXISTING



CONSTRUCTION NOTES:

- 1 REMOVE EXISTING CABINET, CONTROLLER AND FOUNDATION COMPLETE. ABANDON CONDUIT. INSTALL NEW 332E CABINET WITH 2070E CONTROLLER, FOUNDATION AND OTHER AUXILIARY EQUIPMENT REQUIRED TO PROVIDE A COMPLETE FUNCTIONING CONTROLLER FOR THE OPERATION AS SHOWN. INSTALL NEW MP2000ITS MEYERS OR EQUIVALENT BATTERY BACK-UP SYSTEM ATTACHED TO THE CONTROLLER CABINET (SEE SPECIAL PROVISIONS). EXACT LOCATION OF CONTROLLER CABINET TO BE DETERMINED BY THE ENGINEER.
- 2 REMOVE EXISTING PULL BOX AND INSTALL NEW PULL BOX.
- 3 INSTALL NEW PULL BOX.
- 4 DISCONNECT EXISTING 7-WIRES INTERCONNECT WIRES AT EXISTING CONTROLLER. PULL OUT THE EXISTING 7-WIRES INTERCONNECT AND COVER THE CONDUIT END IN THE PULL BOX.
- 5 INSTALL ENCOM 5.8C COMMPAKBB58INT WIRELESS INTERCONNECT SYSTEM OR EQUIVALENT. CONTRACTOR SHALL COORDINATE WITH THE ENGINEER FIVE (5) DAYS PRIOR TO ANTENNA INSTALLATION FOR EXACT MOUNTING LOCATION.

POLE SCHEDULE

| NO. | POLE TYPE | HEIGHT | SIGNAL M.A. LENGTH | SIGNAL MOUNTING | | | LUMINAIRE | | PED PUSH BUTTON | | STREET NAME SIGN | | POLE LOCATION | REMARKS |
|-----|-----------|--------|--------------------|-----------------|---------|--------|-------------|--------------|-----------------|-------|------------------|------------|---------------|---------|
| | | | | M.A. | POLE | PED | M.A. LENGTH | H.P.S. WATTS | PHASE | ARROW | TYPE | LEGEND | | |
| (A) | 17M | 30' | 20' | MAS | SV-2-TA | SP-1-T | 12' | 250W | 4 | ← | RSNS | Huntley Dr | EXISTING | |
| (B) | 1A | 10' | - | - | TV-1-T | SP-1-T | - | - | - | - | - | - | EXISTING | |
| (C) | 1A | 10' | - | - | TV-2-T | SP-2-T | - | - | 8 | ← | - | - | EXISTING | |
| (D) | 17M | 30' | 20' | MAS | SV-1-T | SP-1-T | 12' | 250W | 8 | ← | RSNS | Huntley Dr | EXISTING | |
| (E) | 1A | 10' | - | - | TV-1-T | SP-1-T | - | - | - | - | - | - | EXISTING | |
| (F) | 1A | 10' | - | - | TV-1-T | SP-1-T | - | - | - | - | - | - | EXISTING | |
| (G) | 1A | 10' | - | - | TV-1-T | SP-1-T | - | - | 4 | → | - | - | EXISTING | |

ALL EQUIPMENT SHOWN IS EXISTING UNLESS OTHERWISE NOTED; (N) = NEW
RSNS - RETROREFLECTIVE STREET NAME SIGN



Plan Prepared By: Benjamin Chan 9/4/2013
Date

Accepted By: Sham Perata 9/11/13
Date

KOA CORPORATION
PLANNING & ENGINEERING
1100 Corporate Center Drive, Suite 201
Monterey Park, California 91754
Tel: (323) 260-4703 Fax: (323) 260-4705

CITY ENGINEER
CITY OF WEST HOLLYWOOD

| NO. | REVISIONS | | APP. | DATE |
|-----|-------------|--|------|------|
| | DESCRIPTION | | | |
| | | | | |
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TRAFFIC SIGNAL COMMUNICATION UPGRADES FOR THE METRO RAPID TRANSIT PRIORITY SYSTEM PROJECT CIP 1402

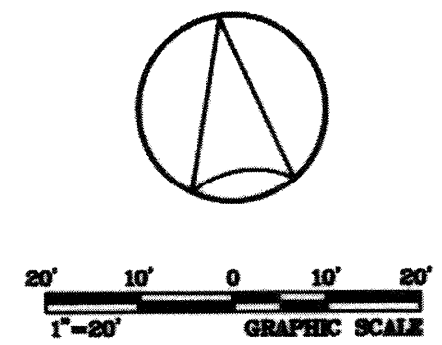
CITY OF WEST HOLLYWOOD

TRAFFIC SIGNAL PLAN FOR MELROSE AVENUE HUNTLEY DRIVE

DRAWN BY: AXK
DESIGNED BY: AXK
CHECKED BY: EHY

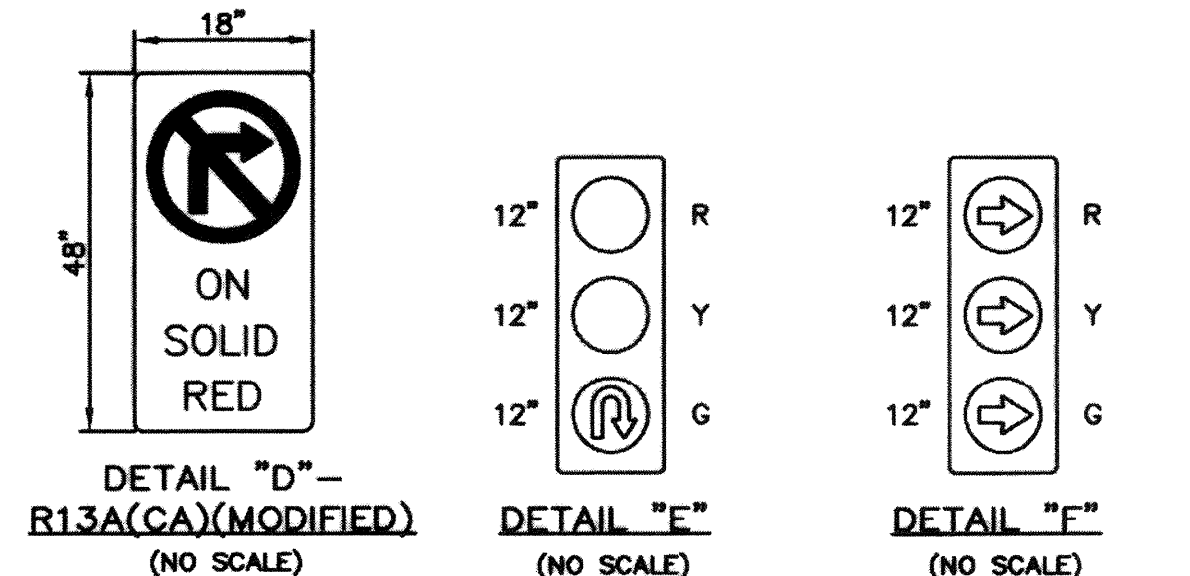
SHT. 11 OF 38 SHT.

PLAN NO.

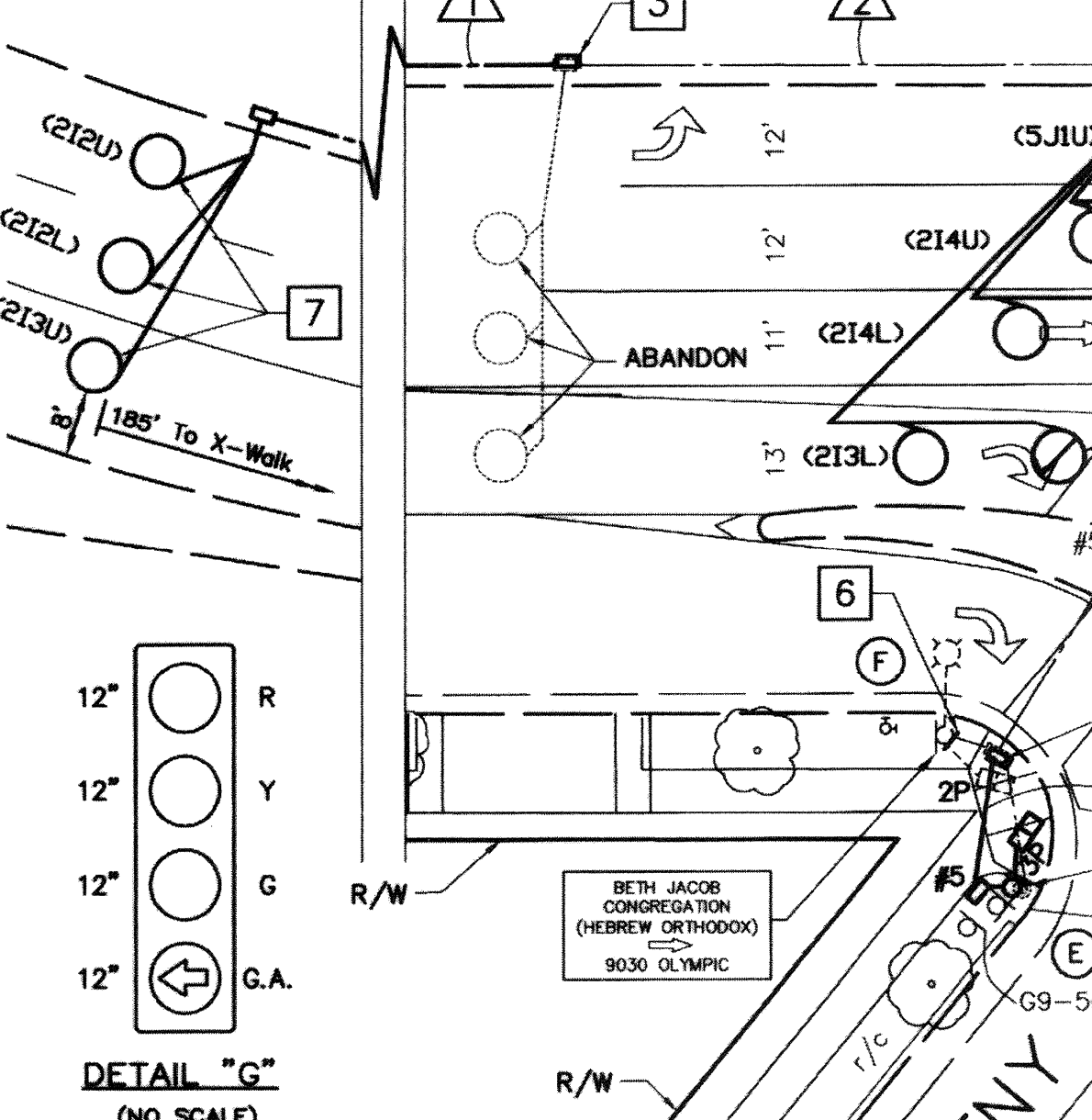


| CONDUCTOR SCHEDULE | | AWG SIZE OR CABLE TYPE | | | | | | | | | | | |
|-----------------------------|--|------------------------|----|------|----|----|------|------|----|----|----|----|----|
| POLE OR CIRCUIT | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 28 CONDUCTOR CABLE | | | | | | | | | | | | | |
| #6 | | | | | | | | | | | | | |
| TOTAL | | | | | | | | | | | | | |
| #8 | | | | | | | | | | | | | |
| TOTAL | | | | | | | | | | | | | |
| #1 DETECTOR LOOP | | | | | | | | | | | | | |
| #2 DETECTOR LOOP | | | | | | | | | | | | | |
| #3 DETECTOR LOOP | | | | | | | | | | | | | |
| #4 DETECTOR LOOP | | | | | | | | | | | | | |
| #5 DETECTOR LOOP | | | | | | | | | | | | | |
| #6 DETECTOR LOOP | | | | | | | | | | | | | |
| #7 DETECTOR LOOP | | | | | | | | | | | | | |
| TOTAL | | | | | | | | | | | | | |
| WIRELESS INTERCONNECT CABLE | | | | | | | | | | | | | |
| CONDUIT SIZE | | 2" | 2" | 2.5" | 2" | 2" | 2.5" | 2.5" | 3" | 2" | 2" | 3" | 3" |

ALL CONDUITS AND CONDUCTORS ARE NEW UNLESS OTHERWISE INDICATED AS: (E)-EXISTING

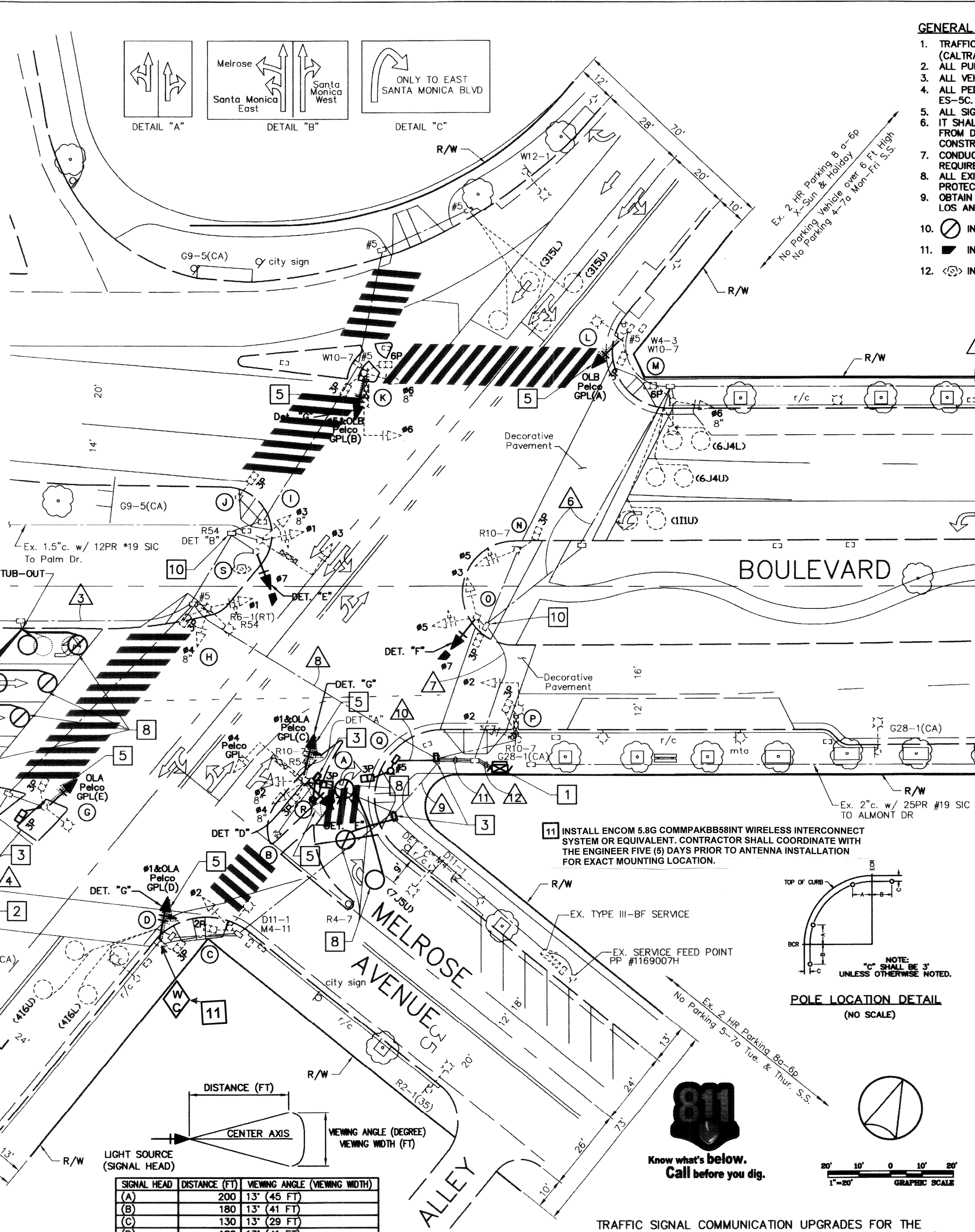


DETAIL "D" - R13A(CA)(MODIFIED) (NO SCALE)
 DETAIL "E" (NO SCALE)
 DETAIL "F" (NO SCALE)



CONSTRUCTION NOTES:

- REUSE EXISTING CONTROLLER CABINET FOUNDATION. REMOVE EXISTING CONTROLLER CABINET, CONTROLLER AND AUXILIARY EQUIPMENT. INSTALL NEW 332 CABINET ON EXISTING FOUNDATION WITH 2070E CONTROLLER AND OTHER AUXILIARY EQUIPMENT REQUIRED TO PROVIDE A COMPLETE FUNCTIONING CONTROLLER FOR THE OPERATION AS SHOWN. INSTALL NEW MP2000ITS MEYERS OR EQUIVALENT BATTERY BACK-UP SYSTEM ATTACHED TO THE CONTROLLER CABINET. (SEE SPECIAL PROVISIONS).
- REMOVE EXISTING SIGNAL POLE AND ATTACHED SIGNAL EQUIPMENT. PULL BOX AND FOUNDATION COMPLETE. ABANDON CONDUIT.
- REMOVE EXISTING PULL BOX AND INSTALL NEW PULL BOX.
- REMOVE EXISTING PULL BOX.
- REMOVE EXISTING SIGNAL INDICATION.
- INSTALL PEDESTRIAN PUSH BUTTON.
- INSTALL LOOPS AS SHOWN.
- INSTALL BICYCLE/VEHICLE DETECTOR LOOPS PER LADOT STD. DWG NO. S-70.10(CASEII).



PELCO GPL DETAIL (NO SCALE)

| SIGNAL HEAD | DISTANCE (FT) | VIEWING ANGLE (VIEWING WIDTH) |
|-------------|-----------------|-------------------------------|
| (A) | 200 13' (45 FT) | |
| (B) | 180 13' (41 FT) | |
| (C) | 130 13' (29 FT) | |
| (D) | 180 13' (41 FT) | |
| (E) | 180 13' (41 FT) | |



TRAFFIC SIGNAL COMMUNICATION UPGRADES FOR THE METRO RAPID TRANSIT PRIORITY SYSTEM PROJECT CIP 1402

Plan Prepared By: *Benjamin Chan* 9/4/2013 Date

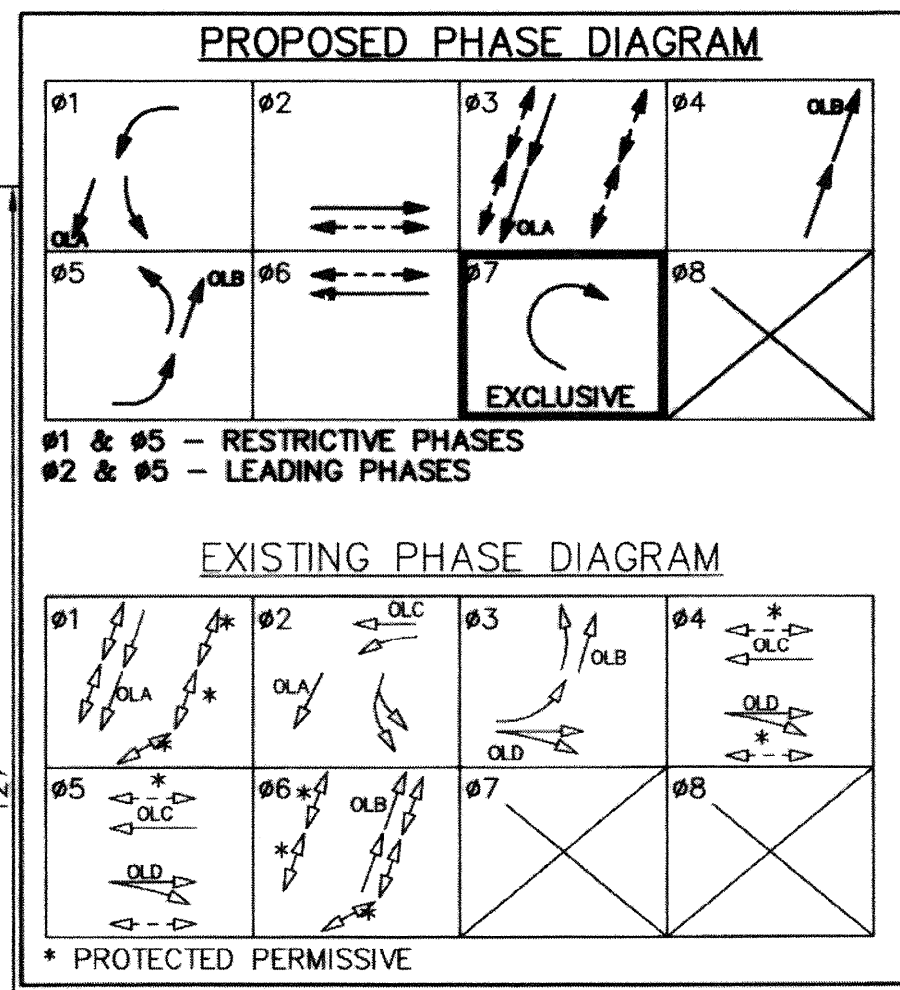
Approved By: *Sharon Perlati* 9/11/13 Date

KOA CORPORATION
 PLANNING & ENGINEERING
 1055 Corporate Center Drive, Suite 300
 Monterey Park, California 91754-7668
 Tel: (323) 260-4703 Fax: (323) 260-4705

GENERAL NOTES:

- TRAFFIC SIGNAL AND LIGHTING MATERIALS AND INSTALLATION METHODS SHALL CONFORM TO THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION (CALTRANS) STANDARD SPECIFICATIONS, SECTION 86, AND STANDARD PLANS, LATEST EDITION.
- ALL PULL BOXES ARE NO. 6 UNLESS OTHERWISE NOTED.
- ALL VEHICLE HEADS ARE 12" LED TYPE AND ALL PEDESTRIAN INDICATORS ARE COUNTERDOWN LED INTERNATIONAL SYMBOL UNLESS SHOWN OTHERWISE.
- ALL PEDESTRIAN PUSH BUTTONS ARE "TYPE B" ADA BUTTON (BULLDOG III PB), WITH INTERNATIONAL SYMBOL AND LEGENDS PER STANDARD PLAN DRAWING NO. ES-5C.
- ALL SIGN CODES SHOWN ARE PER THE CALIFORNIA MUTCD (LATEST).
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE EXISTENCE AND LOCATION OF ALL UNDERGROUND FACILITIES, AND TO PROTECT THEM FROM DAMAGE. THE CONTRACTOR SHALL BEAR THE TOTAL EXPENSE OF REPAIR OR REPLACEMENT OF ANY UNDERGROUND FACILITIES DAMAGED DURING CONSTRUCTION.
- CONDUCTOR SCHEDULE IS PROVIDED AS AN INSTALLATION GUIDELINE ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE THE CORRECT CONDUCTORS REQUIRED FOR THE INTENDED OPERATION.
- ALL EXISTING TRAFFIC SIGNAL EQUIPMENT, INCLUDING POLES, CONDUITS, PULL BOXES, ETC. WITHIN CONSTRUCTION AREAS SHOWN TO BE REUSED, SHALL BE PROTECTED IN PLACE, AND THE PULL BOXES ADJUSTED TO GRADE.
- OBTAIN APPROVAL FOR EXACT EQUIPMENT LOCATION PRIOR TO FINAL PLACEMENT. BICYCLE LOOP DETECTORS SHALL BE PER DRAWING NO. S-70.10 OF CITY OF LOS ANGELES SPECIAL PROVISIONS STANDARD DRAWINGS.
- ⊙ INDICATES BICYCLE DETECTOR LOOP.
- INDICATES PROPOSED VISOR.
- ⊕ INDICATES CCTV

40% CITY OF BEVERLY HILLS
 60% CITY OF WEST HOLLYWOOD



ALL EQUIPMENT SHOWN IS EXISTING UNLESS OTHERWISE NOTED; (N) = NEW
 RSNS - RETROREFLECTIVE STREET NAME SIGN
 * - TYPE 17-2-70 STANDARD ADAPTOR, FOUNDATION AND ANCHOR BOLTS WITH 8" STREET NAME SIGN MAST ARM.
 ** - SEE PELCO GPL DETAIL
 *** - REPLACE EXISTING R10-4b SIGN WITH TWO-DIRECTION ARROW.

| POLE NO. | TYPE | HEIGHT | SIGNAL M.A. LENGTH | SIGNAL MOUNTING | | LUMINAIRE | | PED PUSH BUTTON | STREET NAME SIGN | | POLE LOCATION | | | REMARKS |
|----------|----------|--------|--------------------|-----------------|------------|-------------|--------------|-----------------|------------------|-------|-----------------|-----------|----------|------------------------------|
| | | | | M.A. | POLE | M.A. LENGTH | H.P.S. WATTS | | PHASE | ARROW | TYPE | LEGEND | A | |
| (A) | 16-2-80 | - | 20' | MAS | SV-4-T(N) | SP-1-CS(N) | - | - | - | RSNS | Santa Monica Bl | Existing | ** | NEW VEHICLE MOUNTING BRACKET |
| (B) | ppb post | - | - | - | - | - | - | 3 | - | - | - | Existing | - | - |
| (C) | 15 | - | - | - | SV-1-T | SP-1-CS | 8' | 250W | 3 | - | - | Existing | - | - |
| (D) | 16-1-70 | - | - | - | SV-1-T(17) | SP-1-T | - | - | 2 | - | - | Existing | ** | NEW VEHICLE MOUNTING BRACKET |
| (E) | 1A(7) | - | - | - | TP-1(N) | - | - | - | 2(N) | - | - | 3' | - | - |
| (F) | 15 | - | - | - | SP-1-CS | - | 8' | 250W | 3(N) | - | - | Existing | - | - |
| (G) | 15 | - | - | - | SV-1-T(17) | SP-1-CS(N) | 8' | 200W | 3 | *** | - | Existing | ** | NEW VEHICLE MOUNTING BRACKET |
| (H) | 15 | - | - | - | SV-2-TA | SP-1-CS | 8' | 200W | 3 | - | - | Existing | - | - |
| (I) | 16-2-80 | - | 20' | MAS | SV-2-TA | - | - | - | - | RSNS | Santa Monica Bl | Existing | - | - |
| (J) | 1A(7) | - | - | - | TP-1 | - | - | - | 3 | - | - | Existing | - | - |
| (K) | 17-2-80 | - | 20' | MAS | SV-2-T(N) | SP-2-CS | 8' | 200W | 3 | 6 | RSNS | Doheny Dr | Existing | ** |
| (L) | 15 | - | - | - | SV-1-T(N) | SP-1-CS | 8' | 200W | 6 | - | - | Existing | ** | - |
| (M) | 15 | - | - | - | SV-1-T | SP-1-CS | 8' | 250W | 3 | - | - | Existing | - | - |
| (N) | 17 | - | - | - | SV-1-T | SP-1-CS | - | - | 3 | - | - | Existing | - | - |
| (O) | 1A | - | - | - | TV-3-T(N) | SP-1-CS | - | - | 3 | - | - | Existing | - | NEW VEHICLE MOUNTING BRACKET |
| (P) | 17-2-80 | - | 20' | MAS | SV-1-T | SP-1-CS | 8' | 200W | 3 | - | RSNS | Doheny Dr | Existing | - |
| (Q) | 1A(7)(N) | - | - | - | TP-1(N) | - | - | - | 3(N) | - | - | 18.5' | - | - |
| (R) | PPB POST | - | - | - | - | - | - | - | 3(N) | - | - | 0' | - | - |
| (S) | C2 | 45' | - | - | SV-1-T(N) | - | - | - | - | - | - | Existing | - | NEW VEHICLE MOUNTING BRACKET |

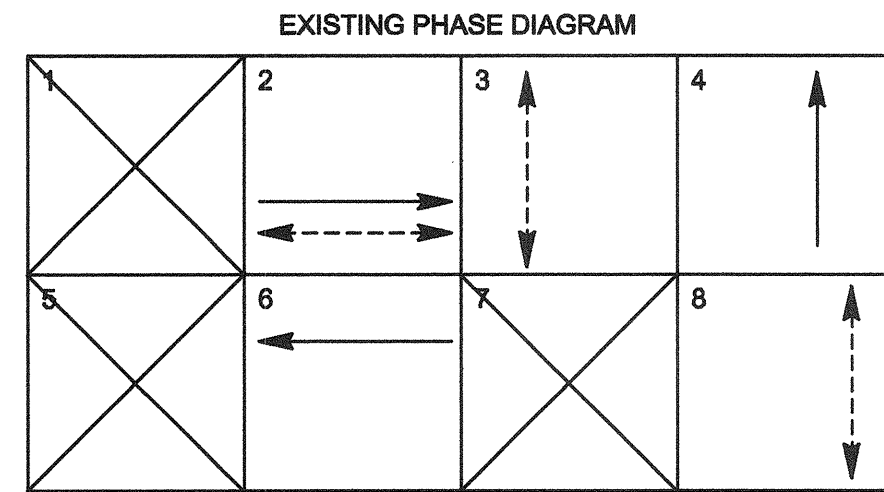
CITY OF WEST HOLLYWOOD
 TRAFFIC SIGNAL AS-BUILT PLAN FOR SANTA MONICA BOULEVARD AT DOHENY DRIVE

NO. _____ DATE _____

DESIGNED BY: _____
 CHECKED BY: _____

SHT. 12 OF 38

PLAN NO. _____



PH3 PED puts call on PH8 PED.

| NO. | STANDARD | | | LUMINAIRE HPSV | VEH. SIG. MTG. | | PED. SIGNAL MTG. | PPB Q, A, R | SIGN PANEL | POLE LOCATION | | | REMARKS |
|-----|----------|---------|---------|-------------------|----------------|------|---------------------|----------------|------------|---------------|-----------|---|----------|
| | TYPE | SIG. MA | LUM. MA | | MAST ARM | POLE | | | | A | B | C | |
| (A) | 15 | - | 8' | 200W | - | - | SP-1-CS | - | - | - | - | - | EXISTING |
| (B) | 1A | - | - | - | - | - | TV-1-T | - | - | - | - | - | EXISTING |
| (C) | 15 | - | 8' | 200W | - | - | SV-1-T | 3 | E | RT | - | - | EXISTING |
| (D) | 17-2-129 | 20' | 8' | 200W | MAS | - | SP-1-CS | 3 | E | LT | ALMONT DR | - | EXISTING |
| (E) | 1A | - | - | - | - | - | TV-1-T | - | - | - | - | - | EXISTING |
| (F) | 15 | - | 8' | 200W | - | - | SV-2-T | 8 | E | LT | - | - | EXISTING |
| (G) | 17-2-129 | 20' | 8' | 200W | MAS | - | SV-1-T | 8 | W | LT | ALMONT DR | - | EXISTING |

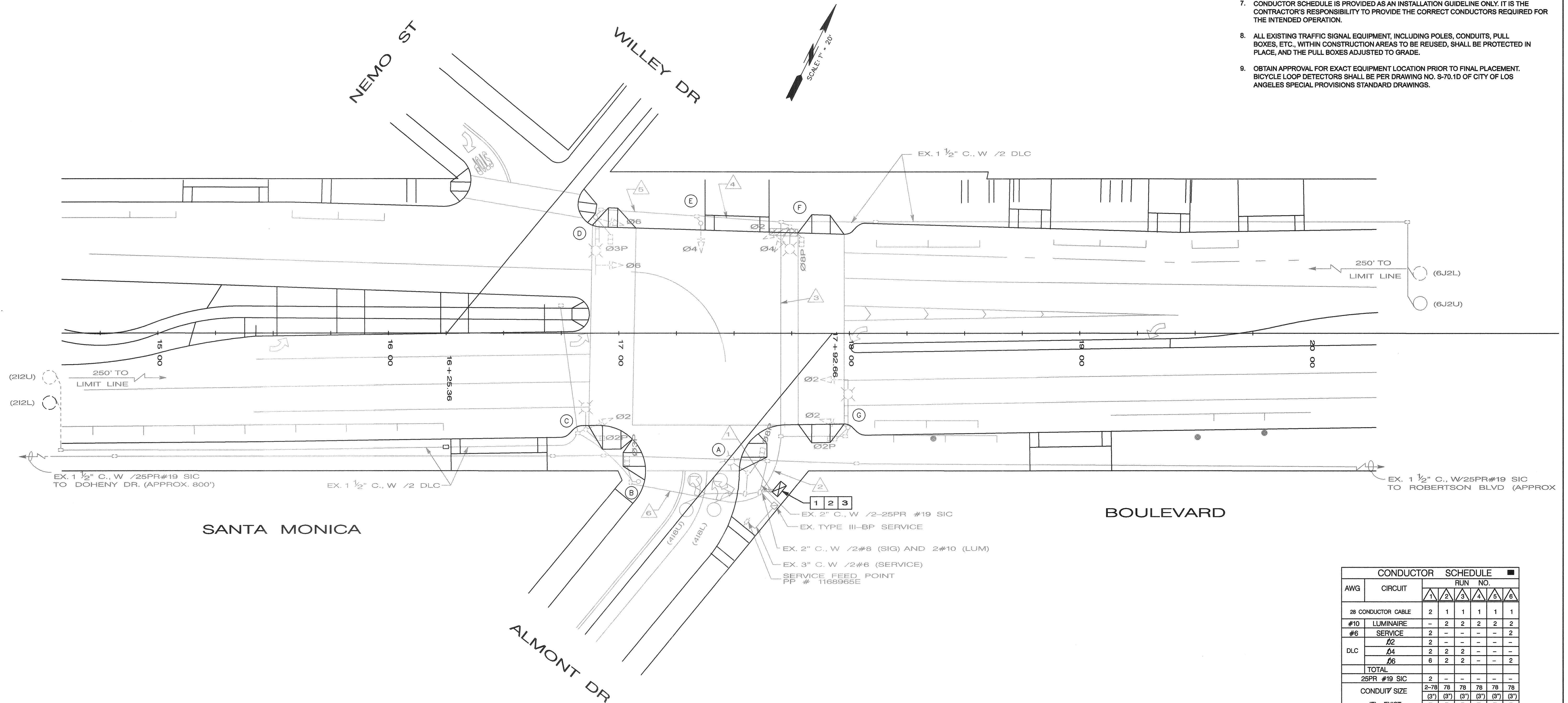
■ ALL EQUIPMENT IS EXISTING UNLESS OTHERWISE SHOWN.

CONSTRUCTION NOTES

- REMOVE EXISTING 332 CABINET WITH ATTACHED SIGNAL EQUIPMENT. SALVAGE EXISTING 170 CONTROLLER. REUSE EXISTING 332 CABINET FOUNDATION, INSTALL NEW 332E CABINET WITH WITH NEW 2070E CONTROLLER, 2010E CLIP CONFLICT MONITOR, SWITCH PACKS, I.L.D. SENSOR UNITS AND ANY OTHER AUXILIARY EQUIPMENT REQUIRED TO PROVIDE A COMPLETE FUNCTIONING CONTROLLER FOR THE OPERATION AS SHOWN.
- INSTALL BATTERY BACKUP SYSTEM (MYERS MP2000E WITH EXTERIOR BATTERY CABINET)
- INSTALL AND CONFIGURE LAYER II SWITCH

GENERAL NOTES

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- OBTAIN APPROVAL FOR EXACT EQUIPMENT LOCATION PRIOR TO FINAL PLACEMENT. BICYCLE LOOP DETECTORS SHALL BE PER DRAWING NO. S-70.1D OF CITY OF LOS ANGELES SPECIAL PROVISIONS STANDARD DRAWINGS.



| AWG | CIRCUIT | CONDUCTOR SCHEDULE | | | | | |
|--------------|-----------------|--------------------|------|------|------|------|------|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 28 | CONDUCTOR CABLE | 2 | 1 | 1 | 1 | 1 | 1 |
| #10 | LUMINAIRE | - | 2 | 2 | 2 | 2 | 2 |
| #6 | SERVICE | 2 | - | - | - | - | 2 |
| DLC | /02 | 2 | - | - | - | - | - |
| | /04 | 2 | 2 | 2 | - | - | - |
| | /06 | 6 | 2 | 2 | - | - | 2 |
| TOTAL | | 2 | - | - | - | - | - |
| 25PR #19 SIC | | 2 | - | - | - | - | - |
| CONDUIT SIZE | | 2-78 | 78 | 78 | 78 | 78 | 78 |
| (E) = EXIST | | (3") | (3") | (3") | (3") | (3") | (3") |

■ ALL CONDUCTORS ARE EXISTING
THE CONTRACTOR SHALL REUSE EXISTING CONDUCTORS/ CABLES AND TAGS. PROTECT AND MAINTAIN ALL EXISTING CONDUCTORS/CABLES.



APPROVED BY:
Sharon Perlestein 9/1/13
CITY ENGINEER
CITY OF WEST HOLLYWOOD

BENCH MARK:
NO. _____ ELEV. _____
DATE ADJ. _____ QUAD. _____

| NO. | REVISIONS DESCRIPTION | APP. | DATE |
|-----|--------------------------|------|------|
| | | | |

CITY OF WEST HOLLYWOOD

TRANSIT PRIORITY SYSTEM PHASE I
TRAFFIC SIGNAL COMMUNICATION PROJECT
for
SANTA MONICA BLVD. & ALMONT DR.

DRAWN BY:
DESIGNED BY:
CHECKED BY:

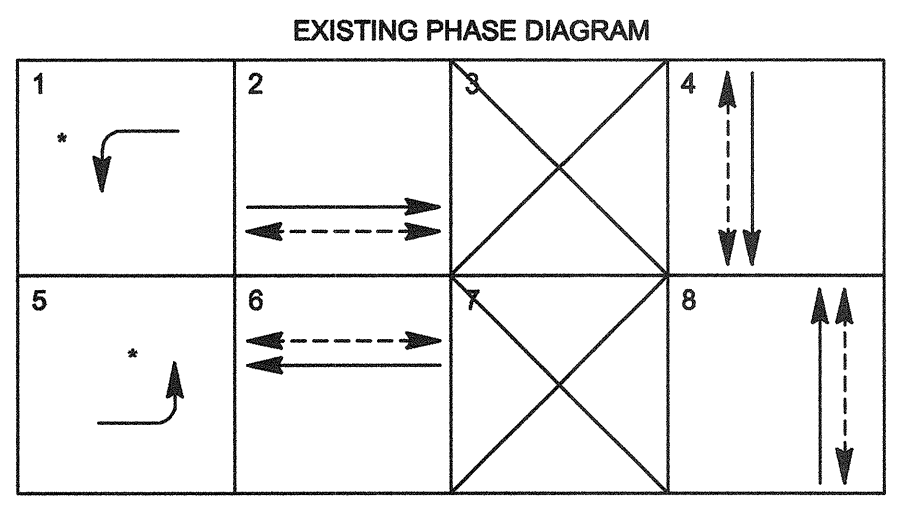
SHT. 13 OF 38 SHTS.

PLAN NO.

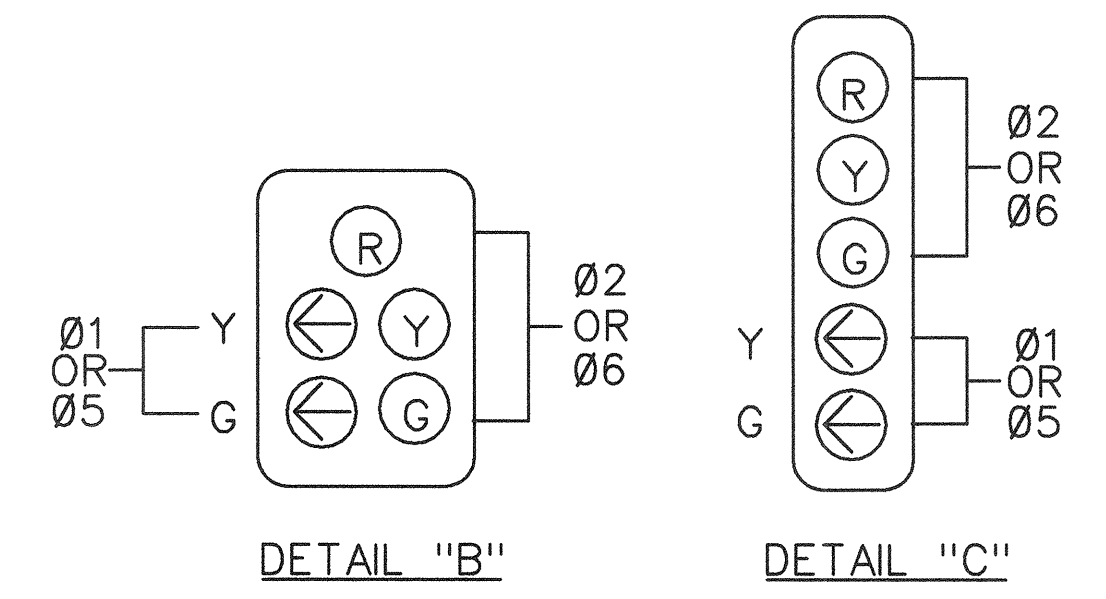
THIS PLAN IS ACCURATE FOR PROPOSED WORK ONLY

| POLE SCHEDULE | | | | | | | | | | | | | | |
|---------------|----------|-----------|-----------|-----------|----------------|--------|-----------------|------|---|------------|---------------|-------|--------------|---------|
| NO. | STANDARD | | | LUMINAIRE | VEH. SIG. MTG. | | PED. SIGNAL | PPB | | SIGN PANEL | POLE LOCATION | | | REMARKS |
| | TYPE | SIG. M.A. | LUM. M.A. | | MAST ARM | POLE | | MTG. | Ø | | QUAD. | ARROW | A | |
| (A) | 17-2-113 | 20' | 12' | 200W | MAS | SV-1-T | SP-1-T | | | | | | EXISTING | |
| (B) | 1A | - | - | - | - | TV-1 | SP-1-CS | 4 | E | RT | | | EXISTING | |
| (C) | 26-4-80 | 35' | 8' | 200W | MAS, MAS-5A | SV-1-T | SP-1-CS | 4 | E | LT | | | Robertson Bl | |
| (D) | 16-1-70 | - | - | - | - | SV-2-T | SP-1-CS | | | | | | EXISTING | |
| (E) | 17-2-113 | 20' | 12' | 200W | MAS | SV-1-T | ØSP-1-CSPP-1-CS | | | | | | EXISTING | |
| (F) | 15 | - | 8' | 200W | - | SV-1-T | - | 8 | W | RT | | | EXISTING | |
| (G) | 26-4-129 | 35' | 8' | 200W | MAS, MAS-5A | SV-1-T | SP-1-CS | 8 | W | LT | | | Robertson Bl | |
| (H) | 15 | - | 8' | 200W | - | SV-1-T | SP-1-CS | | | | | | EXISTING | |

■ ALL EQUIPMENT IS EXISTING UNLESS OTHERWISE SHOWN.



* PROTECTIVE PERMISSIVE

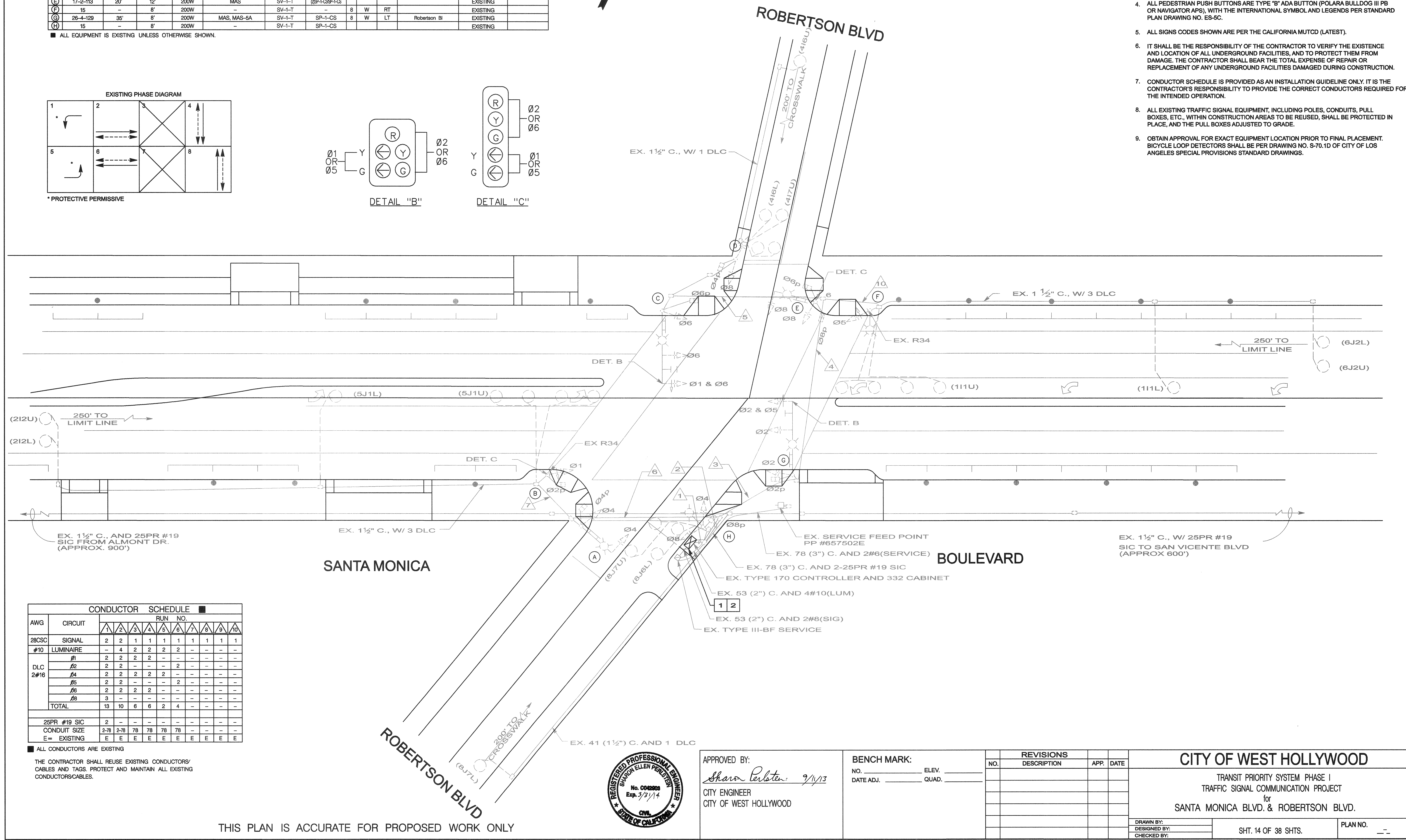


CONSTRUCTION NOTES

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- INSTALL AND CONFIGURE LAYER II SWITCH

GENERAL NOTES

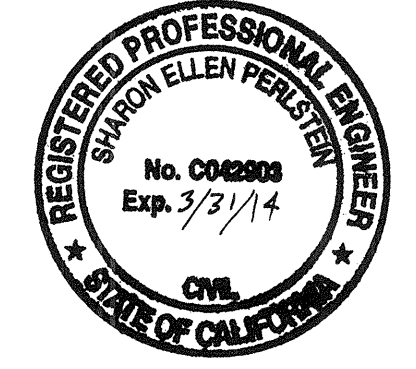
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| CONDUCTOR SCHEDULE | | | | | | | | | | | |
|--------------------|--------------|---------|------|----|----|----|----|---|---|---|----|
| AWG | CIRCUIT | RUN NO. | | | | | | | | | |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 28CSC | SIGNAL | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| #10 | LUMINAIRE | - | 4 | 2 | 2 | 2 | 2 | - | - | - | - |
| DLC 2#16 | #1 | 2 | 2 | 2 | 2 | - | - | - | - | - | - |
| | #2 | 2 | 2 | - | - | 2 | - | - | - | - | - |
| | #4 | 2 | 2 | 2 | 2 | 2 | - | - | - | - | - |
| | #5 | 2 | 2 | - | - | 2 | - | - | - | - | - |
| | #6 | 2 | 2 | 2 | 2 | - | - | - | - | - | - |
| | #8 | 3 | - | - | - | - | - | - | - | - | |
| | TOTAL | 13 | 10 | 6 | 6 | 2 | 4 | - | - | - | |
| | 25PR #19 SIC | 2 | - | - | - | - | - | - | - | - | |
| | CONDUIT SIZE | 2-78 | 2-78 | 78 | 78 | 78 | 78 | - | - | - | |
| | E = EXISTING | E | E | E | E | E | E | E | E | E | |

■ ALL CONDUCTORS ARE EXISTING

THE CONTRACTOR SHALL REUSE EXISTING CONDUCTORS/ CABLES AND TAGS. PROTECT AND MAINTAIN ALL EXISTING CONDUCTORS/CABLES.



APPROVED BY:
Sharon Perlestein 9/11/13
CITY ENGINEER
CITY OF WEST HOLLYWOOD

BENCH MARK:
NO. _____ ELEV. _____
DATE ADJ. _____ QUAD. _____

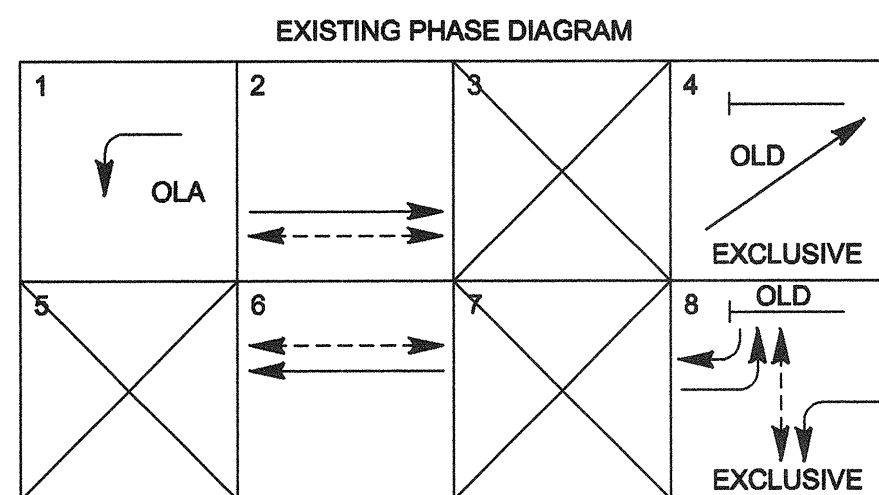
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| NO. | DESCRIPTION | APP. | DATE |
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CITY OF WEST HOLLYWOOD
TRANSIT PRIORITY SYSTEM PHASE I
TRAFFIC SIGNAL COMMUNICATION PROJECT
for
SANTA MONICA BLVD. & ROBERTSON BLVD.

DRAWN BY: _____
DESIGNED BY: _____
CHECKED BY: _____

SHT. 14 OF 38 SHTS. PLAN NO. _____

THIS PLAN IS ACCURATE FOR PROPOSED WORK ONLY

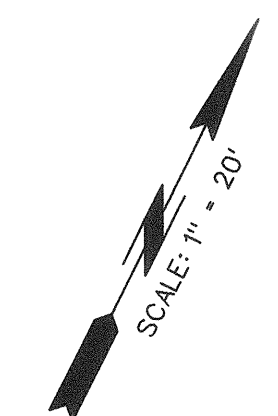


NOTE: OLD IS ACTIVE ONLY DURING Ø4 & 8 (SOLID RED)
PHASE 4 & 8 IS EXCLUSIVE

| AWG | CIRCUIT | CONDUCTOR SCHEDULE | | | | | |
|--------------------|-----------|--------------------|----|----|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 28-CONDUCTOR CABLE | | 2 | 2 | 1 | 1 | 1 | - |
| #10 | LUMINAIRE | - | 4 | 2 | 2 | 2 | - |
| #8 | SERVICE | 1 | - | - | - | - | - |
| DLC 2#16 | Ø1 | 2 | 2 | 2 | - | - | - |
| | Ø2 | 2 | 2 | - | - | 2 | - |
| | Ø4 | 1 | - | - | - | - | - |
| | Ø5 | 1 | 1 | 1 | - | - | - |
| | Ø6 | 2 | 2 | 2 | - | - | - |
| TOTAL | | 10 | 9 | 6 | 1 | 3 | - |
| 25PR #19 SIC | | 2 | - | - | - | - | - |
| CONDUIT SIZE | | 3" | 3" | 3" | 3" | 3" | 2" |

■ ALL CONDUCTORS ARE EXISTING

THE CONTRACTOR SHALL REUSE EXISTING CONDUCTORS/
CABLES AND TAGS. PROTECT AND MAINTAIN ALL EXISTING
CONDUCTORS/CABLES.

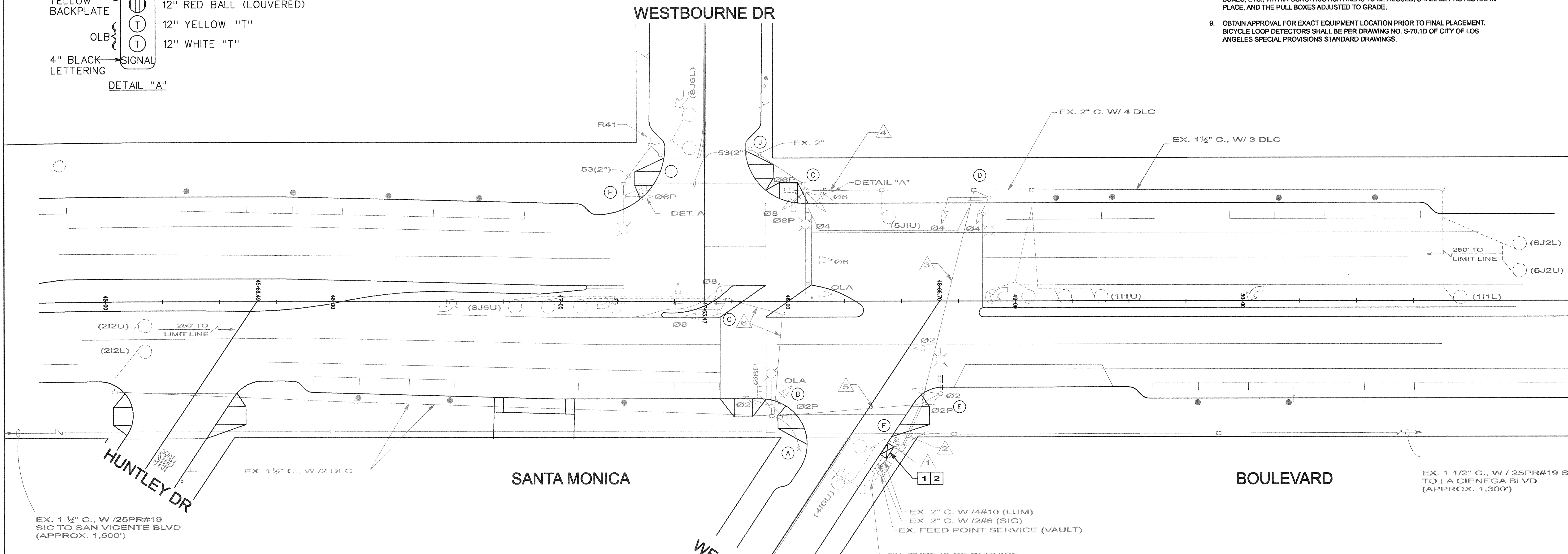
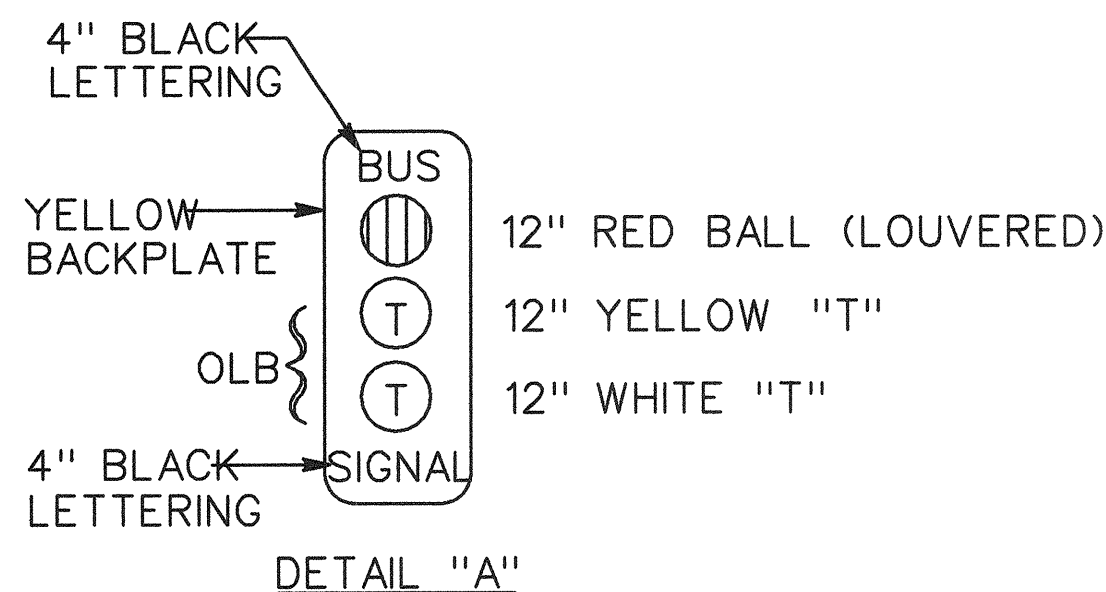


CONSTRUCTION NOTES

- REMOVE EXISTING 332 CABINET WITH ATTACHED SIGNAL EQUIPMENT. SALVAGE EXISTING 170 CONTROLLER. REUSE EXISTING 332 CABINET FOUNDATION. INSTALL NEW 332E CABINET WITH NEW 2070E CONTROLLER, 2010E CLIP CONFLICT MONITOR, SWITCH PACKS, I.L.D. SENSOR UNITS AND ANY OTHER AUXILIARY EQUIPMENT REQUIRED TO PROVIDE A COMPLETE FUNCTIONING CONTROLLER FOR THE OPERATION AS SHOWN.
- INSTALL AND CONFIGURE LAYER II SWITCH

GENERAL NOTES

- TRAFFIC SIGNAL AND LIGHTING MATERIALS AND INSTALLATION METHODS SHALL CONFORM TO THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION (CALTRANS) STANDARD SPECIFICATIONS, SECTION 86, AND STANDARD PLANS, LATEST EDITION.
- ALL PULL BOXES ARE NO. 6 UNLESS OTHERWISE NOTED.
- ALL VEHICLES HEADS ARE 12" LED AND ALL PEDESTRIAN INDICATIONS ARE COUNTDOWN LED SYMBOL UNLESS SHOWN OTHERWISE.
- ALL PEDESTRIAN PUSH BUTTONS ARE TYPE "B" ADA BUTTON (POLARA BULLDOG III PB OR NAVIGATOR APS), WITH THE INTERNATIONAL SYMBOL AND LEGENDS PER STANDARD PLAN DRAWING NO. ES-5C.
- ALL SIGNS CODES SHOWN ARE PER THE CALIFORNIA MUTCD (LATEST).
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE EXISTENCE AND LOCATION OF ALL UNDERGROUND FACILITIES, AND TO PROTECT THEM FROM DAMAGE. THE CONTRACTOR SHALL BEAR THE TOTAL EXPENSE OF REPAIR OR REPLACEMENT OF ANY UNDERGROUND FACILITIES DAMAGED DURING CONSTRUCTION.
- CONDUCTOR SCHEDULE IS PROVIDED AS AN INSTALLATION GUIDELINE ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE THE CORRECT CONDUCTORS REQUIRED FOR THE INTENDED OPERATION.
- ALL EXISTING TRAFFIC SIGNAL EQUIPMENT, INCLUDING POLES, CONDUITS, PULL BOXES, ETC., WITHIN CONSTRUCTION AREAS TO BE REUSED, SHALL BE PROTECTED IN PLACE, AND THE PULL BOXES ADJUSTED TO GRADE.
- OBTAIN APPROVAL FOR EXACT EQUIPMENT LOCATION PRIOR TO FINAL PLACEMENT. BICYCLE LOOP DETECTORS SHALL BE PER DRAWING NO. S-70.1D OF CITY OF LOS ANGELES SPECIAL PROVISIONS STANDARD DRAWINGS.



EX. 1 1/2" C., W /25PR#19 SIC TO SAN VICENTE BLVD (APPROX. 1,500')

EX. 1 1/2" C., W / 25PR#19 SIC TO LA CIENEGA BLVD (APPROX. 1,300')

| NO. | STANDARD | | | LUMINAIRE | VEH. SIG. MTG. | | PED. SIGNAL | PPB | | SIGN PANEL | POLE LOCATION | | | REMARKS |
|-----|-----------|--------|---------|-----------|----------------|------------|-------------|------|---|------------|---------------|-------|---|----------|
| | TYPE | SG. MA | LUM. MA | | MAST ARM | POLE | | MTG. | Ø | | QUAD. | ARROW | A | |
| (A) | -PPB-POST | - | - | - | - | - | - | - | - | - | - | - | - | - |
| (B) | 15 | - | 8' | 200W | - | SV-2-T | (2)SP-1-CS | 8 | W | LT | - | - | - | EXISTING |
| (C) | 26-4-70 | 45' | 12' | 200W | MAS, MAS | SV-4-TB | (2)SP-1-T | 8 | W | RT | Westbourne Dr | - | - | EXISTING |
| (D) | 17-2-113 | 20' | 12' | 200W | MAS | SV-1-T | - | - | - | - | Westbourne Dr | - | - | EXISTING |
| (E) | 17-2-80 | 20' | 8' | 200W | MAS | SV-1-T | - | - | - | - | Westbourne Dr | - | - | EXISTING |
| (F) | -PPB-POST | - | - | - | - | - | - | - | - | - | - | - | - | - |
| (G) | T-33 | 15' | - | - | MAS | SV-1SV-1-T | - | - | - | - | - | - | - | EXISTING |
| (H) | 15' | - | 15' | 200W | - | SV-1-T | SP-1-T | - | - | - | - | - | - | EXISTING |
| (I) | -PPB-POST | - | - | - | - | - | - | - | - | - | - | - | - | - |
| (J) | -PPB-POST | - | - | - | - | - | - | - | - | - | - | - | - | - |

■ ALL EQUIPMENT IS EXISTING UNLESS OTHERWISE SHOWN.



APPROVED BY:
Sharon Perlestein 9/11/13
CITY ENGINEER
CITY OF WEST HOLLYWOOD

BENCH MARK:
NO. _____ ELEV. _____
DATE ADJ. _____ QUAD. _____

| NO. | REVISIONS DESCRIPTION | APP. | DATE |
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CITY OF WEST HOLLYWOOD

TRANSIT PRIORITY SYSTEM PHASE I
TRAFFIC SIGNAL COMMUNICATION PROJECT
for
SANTA MONICA BLVD. & WESTBOURNE DR.

DRAWN BY: _____
DESIGNED BY: _____
CHECKED BY: _____

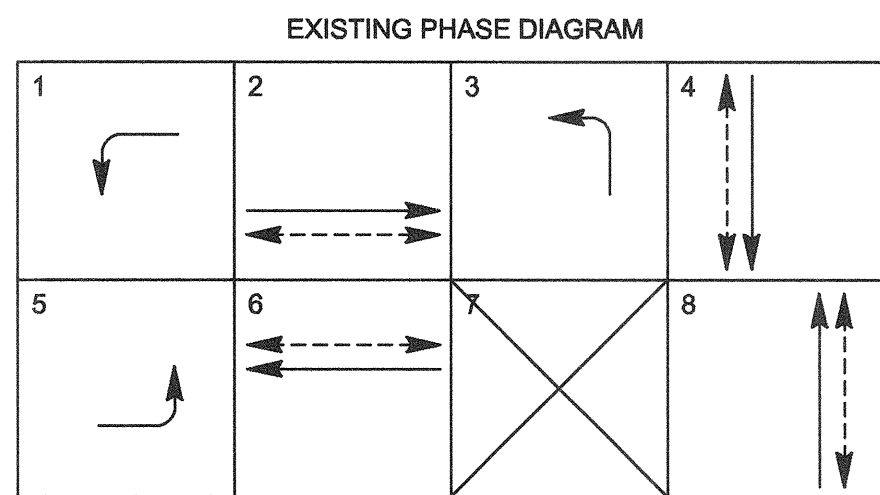
SHT. 16 OF 38 SHTS.

PLAN NO. _____

THIS PLAN IS ACCURATE FOR PROPOSED WORK ONLY

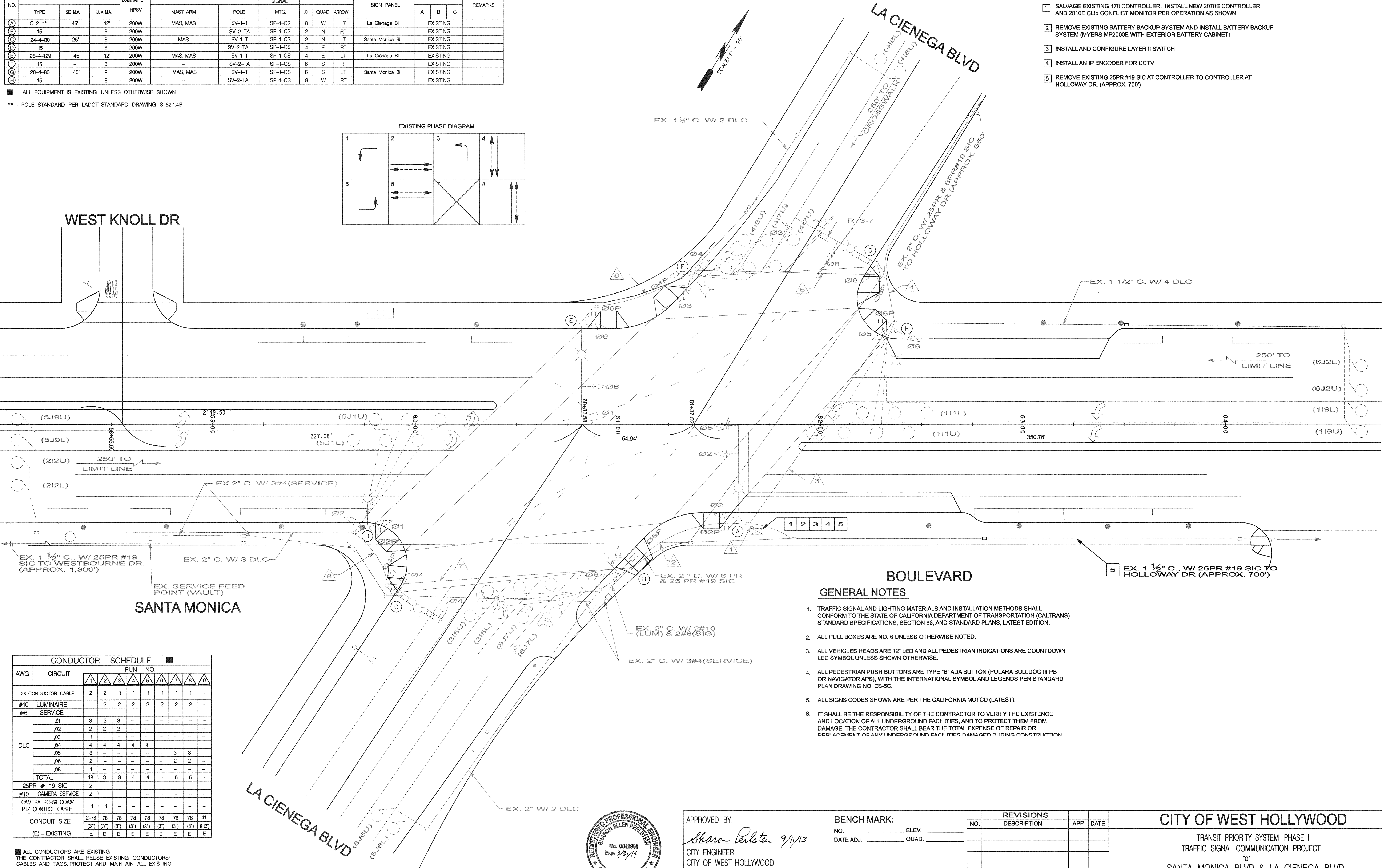
| POLE SCHEDULE | | | | | | | | | | | | | |
|---------------|----------|---------|----------|-----------|----------------|---------|-------------|-----|------------|---------------|-----------------|---|----------|
| NO. | STANDARD | | | LUMINAIRE | VEH. SIG. MTG. | | PED. SIGNAL | PPB | SIGN PANEL | POLE LOCATION | | | REMARKS |
| | TYPE | SG. MA. | LUM. MA. | | MAST ARM | POLE | | | | A | B | C | |
| (A) | C-2 ** | 45' | 12' | 200W | MAS, MAS | SV-1-T | SP-1-CS | 8 | W | LT | La Cienega Bl | | EXISTING |
| (B) | 15 | - | 8' | 200W | - | SV-2-TA | SP-1-CS | 2 | N | RT | | | EXISTING |
| (C) | 24-4-80 | 25' | 8' | 200W | MAS | SV-1-T | SP-1-CS | 2 | N | LT | Santa Monica Bl | | EXISTING |
| (D) | 15 | - | 8' | 200W | - | SV-2-TA | SP-1-CS | 4 | E | RT | | | EXISTING |
| (E) | 26-4-129 | 45' | 12' | 200W | MAS, MAS | SV-1-T | SP-1-CS | 4 | E | LT | La Cienega Bl | | EXISTING |
| (F) | 15 | - | 8' | 200W | - | SV-2-TA | SP-1-CS | 6 | S | RT | | | EXISTING |
| (G) | 26-4-80 | 45' | 8' | 200W | MAS, MAS | SV-1-T | SP-1-CS | 6 | S | LT | Santa Monica Bl | | EXISTING |
| (H) | 15 | - | 8' | 200W | - | SV-2-TA | SP-1-CS | 8 | W | RT | | | EXISTING |

■ ALL EQUIPMENT IS EXISTING UNLESS OTHERWISE SHOWN
 ** - POLE STANDARD PER LADOT STANDARD DRAWING S-52.14B



CONSTRUCTION NOTES

- 1 SALVAGE EXISTING 170 CONTROLLER. INSTALL NEW 2070E CONTROLLER AND 2010E CLIP CONFLICT MONITOR PER OPERATION AS SHOWN.
- 2 REMOVE EXISTING BATTERY BACKUP SYSTEM AND INSTALL BATTERY BACKUP SYSTEM (MYERS MP2000E WITH EXTERIOR BATTERY CABINET)
- 3 INSTALL AND CONFIGURE LAYER II SWITCH
- 4 INSTALL AN IP ENCODER FOR CCTV
- 5 REMOVE EXISTING 25PR #19 SIC AT CONTROLLER TO CONTROLLER AT HOLLOWAY DR. (APPROX. 700')



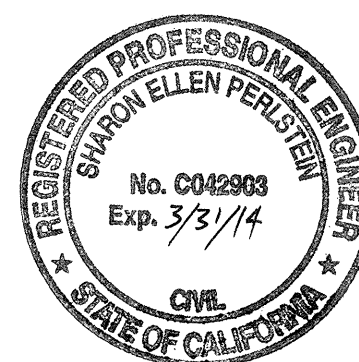
GENERAL NOTES

1. TRAFFIC SIGNAL AND LIGHTING MATERIALS AND INSTALLATION METHODS SHALL CONFORM TO THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION (CALTRANS) STANDARD SPECIFICATIONS, SECTION 86, AND STANDARD PLANS, LATEST EDITION.
2. ALL PULL BOXES ARE NO. 6 UNLESS OTHERWISE NOTED.
3. ALL VEHICLES HEADS ARE 12" LED AND ALL PEDESTRIAN INDICATIONS ARE COUNTDOWN LED SYMBOL UNLESS SHOWN OTHERWISE.
4. ALL PEDESTRIAN PUSH BUTTONS ARE TYPE "B" ADA BUTTON (POLARA BULLDOG III PB OR NAVIGATOR APS), WITH THE INTERNATIONAL SYMBOL AND LEGENDS PER STANDARD PLAN DRAWING NO. ES-5C.
5. ALL SIGNS CODES SHOWN ARE PER THE CALIFORNIA MUTCD (LATEST).
6. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE EXISTENCE AND LOCATION OF ALL UNDERGROUND FACILITIES, AND TO PROTECT THEM FROM DAMAGE. THE CONTRACTOR SHALL BEAR THE TOTAL EXPENSE OF REPAIR OR REPLACEMENT OF ANY UNDERGROUND FACILITIES DAMAGED DURING CONSTRUCTION.

| CONDUCTOR SCHEDULE | | | | | | | | | | |
|-------------------------------------|-----------------|-----------|---------|---------|---------|---------|---------|---------|---------|-----------|
| AWG | CIRCUIT | RUN NO. | | | | | | | | |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| 28 | CONDUCTOR CABLE | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | - |
| #10 | LUMINAIRE | - | 2 | 2 | 2 | 2 | 2 | 2 | 2 | - |
| #6 | SERVICE | | | | | | | | | |
| DLC | #1 | 3 | 3 | 3 | - | - | - | - | - | - |
| | #2 | 2 | 2 | 2 | - | - | - | - | - | - |
| | #3 | 1 | - | - | - | - | - | - | - | - |
| | #4 | 4 | 4 | 4 | 4 | 4 | - | - | - | - |
| | #5 | 3 | - | - | - | - | - | 3 | 3 | - |
| | #6 | 2 | - | - | - | - | - | - | 2 | 2 |
| | #7 | 4 | - | - | - | - | - | - | - | - |
| | #8 | 4 | - | - | - | - | - | - | - | - |
| TOTAL | | 18 | 9 | 9 | 4 | 4 | - | 5 | 5 | - |
| 25PR # 19 SIC | | 2 | - | - | - | - | - | - | - | - |
| #10 CAMERA SERVICE | | 2 | - | - | - | - | - | - | - | - |
| CAMERA RC-59 COAX/PTZ CONTROL CABLE | | 1 | 1 | - | - | - | - | - | - | - |
| CONDUIT SIZE | | 2-78 (3") | 78 (3") | 78 (3") | 78 (3") | 78 (3") | 78 (3") | 78 (3") | 78 (3") | 41 (1.12) |
| (E) = EXISTING | | E | E | E | E | E | E | E | E | E |

■ ALL CONDUCTORS ARE EXISTING
 THE CONTRACTOR SHALL REUSE EXISTING CONDUCTORS/ CABLES AND TAGS. PROTECT AND MAINTAIN ALL EXISTING CONDUCTORS/CABLES.

THIS PLAN IS ACCURATE FOR PROPOSED WORK ONLY



APPROVED BY:
Sharon Perle 9/11/13
 CITY ENGINEER
 CITY OF WEST HOLLYWOOD

BENCH MARK:
 NO. _____ ELEV. _____
 DATE ADJ. _____ QUAD. _____

| REVISIONS | | |
|-----------|-------------|-----------|
| NO. | DESCRIPTION | APP. DATE |
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CITY OF WEST HOLLYWOOD

TRANSIT PRIORITY SYSTEM PHASE I
 TRAFFIC SIGNAL COMMUNICATION PROJECT
 for
 SANTA MONICA BLVD. & LA CIENEGA BLVD.

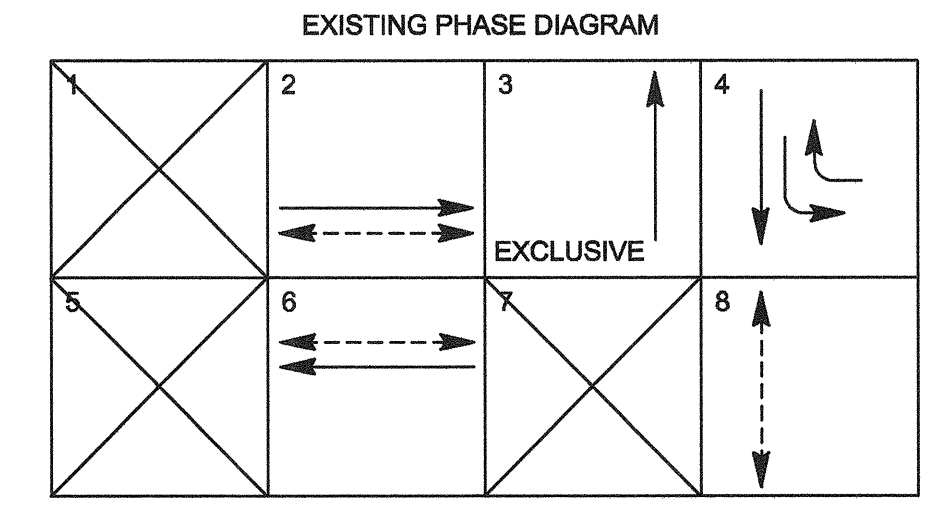
DRAWN BY: _____
 DESIGNED BY: _____
 CHECKED BY: _____

SHT. 17 OF 38 SHTS.

PLAN NO. _____

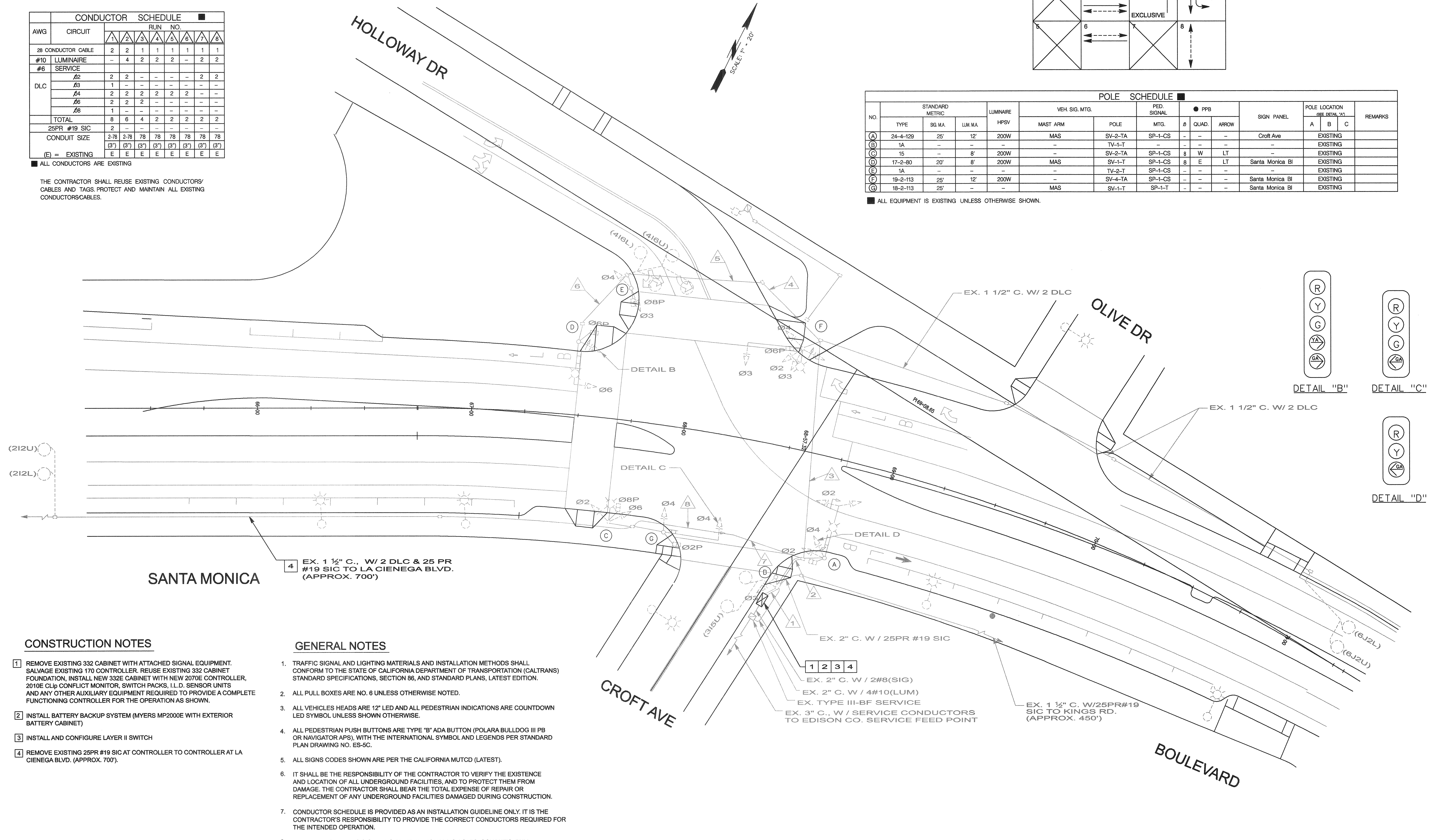
| AWG | CIRCUIT | CONDUCTOR SCHEDULE | | | | | | | |
|-----------------------------|-----------------|--------------------|------|------|------|------|------|------|------|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 28 | CONDUCTOR CABLE | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 |
| #10 | LUMINAIRE | - | 4 | 2 | 2 | 2 | - | 2 | 2 |
| #6 | SERVICE | - | - | - | - | - | - | - | - |
| DLC | A2 | 2 | 2 | - | - | - | - | 2 | 2 |
| | A3 | 1 | - | - | - | - | - | - | - |
| | A4 | 2 | 2 | 2 | 2 | 2 | 2 | - | - |
| | A5 | 2 | 2 | 2 | - | - | - | - | - |
| | A6 | 1 | - | - | - | - | - | - | - |
| TOTAL | | 8 | 6 | 4 | 2 | 2 | 2 | 2 | 2 |
| 25PR | #19 SIC | 2 | - | - | - | - | - | - | - |
| CONDUIT SIZE | | 2-78 | 2-78 | 78 | 78 | 78 | 78 | 78 | 78 |
| (E) = EXISTING | | (3") | (3") | (3") | (3") | (3") | (3") | (3") | (3") |
| ALL CONDUCTORS ARE EXISTING | | E | E | E | E | E | E | E | E |

THE CONTRACTOR SHALL REUSE EXISTING CONDUCTORS/ CABLES AND TAGS. PROTECT AND MAINTAIN ALL EXISTING CONDUCTORS/CABLES.



| NO. | STANDARD METRIC | | | LUMINAIRE | VEH. SIG. MTG. | | PED. SIGNAL | PPB | SIGN PANEL | POLE LOCATION (SEE DETAIL 'A') | | | REMARKS | |
|-----|-----------------|---------|----------|-----------|----------------|---------|-------------|-----|------------|--------------------------------|---|-------|-----------------|----------|
| | TYPE | SG. MA. | LUM. MA. | | MAST ARM | POLE | | | | MTG. | Ø | QUAD. | | ARROW |
| (A) | 24-4-129 | 25' | 12' | 200W | MAS | SV-2-TA | SP-1-CS | - | - | - | - | - | Croft Ave | EXISTING |
| (B) | 1A | - | - | - | - | TV-1-T | - | - | - | - | - | - | - | EXISTING |
| (C) | 15 | - | 8' | 200W | - | SV-2-TA | SP-1-CS | 8 | W | LT | - | - | - | EXISTING |
| (D) | 17-2-90 | 20' | 8' | 200W | MAS | SV-1-T | SP-1-CS | 8 | E | LT | - | - | Santa Monica Bl | EXISTING |
| (E) | 1A | - | - | - | - | TV-2-T | SP-1-CS | - | - | - | - | - | - | EXISTING |
| (F) | 19-2-113 | 25' | 12' | 200W | - | SV-4-TA | SP-1-CS | - | - | - | - | - | Santa Monica Bl | EXISTING |
| (G) | 18-2-113 | 25' | - | - | MAS | SV-1-T | SP-1-T | - | - | - | - | - | Santa Monica Bl | EXISTING |

ALL EQUIPMENT IS EXISTING UNLESS OTHERWISE SHOWN.



CONSTRUCTION NOTES

- REMOVE EXISTING 332 CABINET WITH ATTACHED SIGNAL EQUIPMENT. SALVAGE EXISTING 170 CONTROLLER. REUSE EXISTING 332 CABINET FOUNDATION. INSTALL NEW 332E CABINET WITH NEW 2070E CONTROLLER, 2010E CLIP CONFLICT MONITOR, SWITCH PACKS, I.L.D. SENSOR UNITS AND ANY OTHER AUXILIARY EQUIPMENT REQUIRED TO PROVIDE A COMPLETE FUNCTIONING CONTROLLER FOR THE OPERATION AS SHOWN.
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- REMOVE EXISTING 25PR #19 SIC AT CONTROLLER TO CONTROLLER AT LA CIENEGA BLVD. (APPROX. 700').

GENERAL NOTES

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- OBTAIN APPROVAL FOR EXACT EQUIPMENT LOCATION PRIOR TO FINAL PLACEMENT. BICYCLE LOOP DETECTORS SHALL BE PER DRAWING NO. S-70.1D OF CITY OF LOS ANGELES SPECIAL PROVISIONS STANDARD DRAWINGS.



APPROVED BY:
Sharon Perlstein 9/1/13
 CITY ENGINEER
 CITY OF WEST HOLLYWOOD

BENCH MARK:
 NO. _____ ELEV. _____
 DATE ADJ. _____ QUAD. _____

| NO. | REVISIONS DESCRIPTION | APP. | DATE |
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CITY OF WEST HOLLYWOOD

TRANSIT PRIORITY SYSTEM PHASE I
 TRAFFIC SIGNAL COMMUNICATION PROJECT
 for
 SANTA MONICA BLVD. & HOLLOWAY DR.

DRAWN BY: _____
 DESIGNED BY: _____
 CHECKED BY: _____

SHT. 18 OF 38 SHTS.

PLAN NO. ____

THIS PLAN IS ACCURATE FOR PROPOSED WORK ONLY