

GENERAL NOTES:

- ALL WORK SHALL CONFORM TO THE "STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION", CITY OF COVINA "STANDARD PLANS" AND THE "WORK AREA TRAFFIC CONTROL MANUAL (WATCH)".
- APPLICATION FOR INSPECTION BY CITY OF COVINA SHALL BE MADE BY THE CONTRACTOR AT LEAST TWENTY FOUR (24) HOURS BEFORE THE SERVICE THEREOF WILL BE REQUIRED.
- WORK IN PUBLIC STREETS, ONCE BEGUN, SHALL BE CARRIED OUT TO COMPLETION WITHOUT DELAY SO AS TO PROVIDE MINIMUM INCONVENIENCE TO ADJACENT PROPERTY OWNERS AND TO THE TRAVELING PUBLIC. THE EXISTENCE AND LOCATION OF UTILITY LINES SHOWN HEREON ARE OBTAINED BY A SEARCH OF AVAILABLE RECORDS. OTHER UTILITY LINES MAY EXIST. CONTRACTORS SHALL VERIFY PRIOR TO THE START OF CONSTRUCTION AND SHALL USE EXTREME CARE AND PROTECTIVE MEASURES TO PREVENT DAMAGE OF ALL UTILITY LINES, VALVES, METERS, ETC., WITHIN THE LIMITS OF WORK, WHETHER THEY ARE SHOWN ON THESE PLANS OR NOT.
- THE CONTRACTOR SHALL TAKE ALL NECESSARY AND PROPER PRECAUTIONS TO PROTECT ADJACENT PROPERTIES FROM ANY AND ALL DAMAGE THAT MAY OCCUR FROM STORM WATER RUNOFF AND/OR DEPOSITION OF DEBRIS RESULTING FROM ANY AND ALL WORK IN CONNECTION WITH STREET OR PARKING LOT CONSTRUCTION.
- CONSTRUCT COMMERCIAL DRIVEWAYS PER CITY OF COVINA STD 1. ALL DRIVEWAY LOCATIONS AND WIDTHS SHALL HAVE CITY OF COVINA APPROVAL PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL MAINTAIN DUST CONTROL AT ALL TIMES BY WATERING.
- THE CONTRACTOR'S ATTENTION IS DIRECTED TO SECTION 7-10.4.1 OF THE "STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION" IN REGARDS TO SAFETY ORDERS AND THE CONTRACTOR SHALL COMPLY IN ALL WAYS WITH THE REQUIREMENTS THEREOF.
- CONTRACTOR IS FULLY RESPONSIBLE FOR ALL TEMPORARY PAVING AND TEMPORARY STRIPING NECESSARY TO ENSURE SAFE DRIVING FOR VEHICLES THROUGHOUT THE CONSTRUCTION AREA.
- CONTRACTOR SHALL VERIFY ALL SITE CONDITIONS AT THE SITE PRIOR TO THE SUBMITTING OF BIDS FOR THE WORK BEING DONE.
- THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL APPROVED WORK NECESSARY TO CONSTRUCT IMPROVEMENTS AND WITHIN THE APPROPRIATE SEQUENCE OF WORK SO AS TO MAINTAIN TRAFFIC AND PROMOTE SAFETY.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING CONSTRUCTION SURVEYING.
- AGGREGATE BASE WILL NOT BE REMOVED AND SOIL(SUBGRADE) WILL NOT BE EXPOSED.
- THIS PROJECT SHALL COMPLY WITH THE 2010 CALIFORNIA BUILDING CODE, WHICH ADOPTS THE 2009 IBC, 2009 UMC, 2009 UPC AND THE 2008 NEC.
- CONTRACTOR SHALL INSTALL "No Dumping - Drains to Ocean" LOGO ON ALL PRIVATELY OWNED AND OPERATED YARD DRAINS, CATCHBASINS, AND DRAIN INLETS DRAINING TO THE STREET OR STORM DRAIN SYSTEM.

SCRRRA GENERAL NOTES:

- SCRRRA IS NOT A MEMBER OF DIGALERT. THE CONTRACTOR SHALL CALL SCRRRA'S SIGNAL DEPARTMENT AT (909) 592-1346 A MINIMUM OF FIVE (5) DAYS PRIOR TO BEGINNING CONSTRUCTION TO MARK SIGNAL AND COMMUNICATION CABLES AND CONDUITS. TO ASSURE CABLES AND CONDUITS HAVE BEEN MARKED, NO WORK MAY PROCEED UNTIL CONTRACTOR HAS BEEN PROVIDED WITH AN SCRRRA DIG NUMBER. IN CASE OF SIGNAL EMERGENCIES OR GRADE CROSSING PROBLEMS, THE CONTRACTOR SHALL CALL SCRRRA'S 24-HOUR SIGNAL EMERGENCY NUMBER 1-888-446-9721.
- BEFORE EXCAVATING, THE CONTRACTOR MUST DETERMINE WHETHER ANY UNDERGROUND PIPE LINES, ELECTRIC WIRES, OR CABLES, INCLUDING FIBER OPTIC CABLE SYSTEMS, ARE PRESENT AND LOCATED WITHIN THE PROJECT WORK AREA BY CALLING THE SOUTHERN CALIFORNIA UNDERGROUND SERVICE ALERT AT 811.
- CONTACT SCRRRA'S CONSULTANT/CONTRACTOR AT (714) 920-9037 TO ARRANGE FOR FLAGGING SERVICES. FLAGGING SERVICE IS DEPENDENT ON THE EMPLOYEE-IN-CHARGE (EIC) AVAILABILITY AND MAY REQUIRE A MINIMUM OF FIFTEEN (15) WORKING DAYS PRIOR TO BEGINNING WORK. PRIOR NOTIFICATION OF FLAGGING SERVICES DOES NOT GUARANTEE THE AVAILABILITY OF THE EIC FOR THE PROPOSED DATE OF WORK.
- CONTACT SCRRRA'S CONSULTANT/CONTRACTOR AT 1-877-452-0205 TO ARRANGE FOR THIRD PARTY SAFETY TRAINING. ALLOW 24 TO 72 HOURS FROM THE REQUEST FOR SAFETY TRAINING TO ARRANGE THE TRAINING.
- CONTRACTOR IS TO COMPLETE SCRRRA'S TEMPORARY RIGHT OF ENTRY AGREEMENT, FORM 6. THIS FORM IS AVAILABLE ON SCRRRA'S WEBSITE AT WWW.METROLINKTRAINS.COM ("ABOUT US", AND "ENGINEERING AND CONSTRUCTION").
- TEMPORARY TRAFFIC CONTROL PLANS SHALL BE SUBMITTED TO SCRRRA FOR COMMENTS AND APPROVAL NOT LESS THAN 60 DAYS PRIOR TO START OF THE WORK. THE TEMPORARY TRAFFIC CONTROL PLANS SHALL BE PREPARED, SIGNED AND SEALED BY A CALIFORNIA LICENSED CIVIL OR TRAFFIC ENGINEER. TEMPORARY TRAFFIC CONTROL WILL COMPLY WITH THE CURRENT EDITIONS OF THE CALIFORNIA MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (CA MUTCD), WORK AREA TRAFFIC CONTROL HANDBOOK (WATCH), TEMPORARY TRAFFIC CONTROL WORK AT OR NEAR GRADE CROSSING GUIDELINES PREPARED BY SCRRRA AND SCRRRA'S ENGINEERING STANDARD ES4301.

STRIPING NOTES:

- TRAFFIC SIGNING AND STRIPING SHALL CONFORM TO THE CALTRANS STANDARD PLANS AND SPECIFICATIONS, DATED JANUARY 2010, CALTRANS TRAFFIC MANUAL, LATEST EDITION, THESE PLANS AND THE SPECIAL PROVISIONS.
- ALL STRIPING, MARKINGS, AND LEGENDS SHALL BE PAINT, TWO COATS.
- INSTALL TWO-WAY BLUE REFLECTIVE PAVEMENT MARKERS AT EACH FIRE HYDRANT PER CALIFORNIA MUTCD, FIGURE 3B-102(CA).
- AS A MINIMUM REQUIREMENT, ALL TRAFFIC CONTROL SHALL BE PLACED IN CONFORMANCE WITH THE "WORK AREA TRAFFIC CONTROL HANDBOOK" PUBLISHED BY BUILDING NEWS.

SHEET INDEX

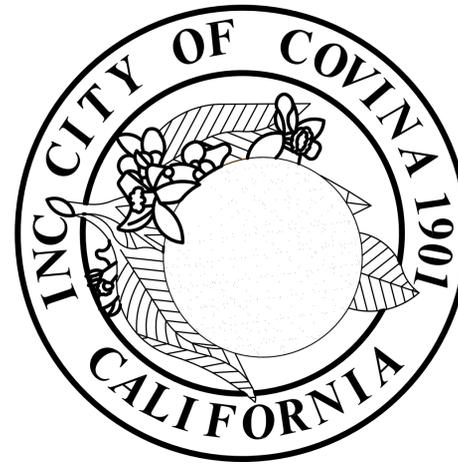
SHEET 1	TITLE SHEET/VICINITY MAP/INDEX	SHEET 12	SEDIMENT/EROSION CONTROL PLAN	SHEET 23	PLANTING PLAN
SHEET 2	SITE PLAN AND HORIZONTAL CONTROL	SHEET 13	HARDSCAPE PLAN	SHEET 24	PLANTING PLAN
SHEET 3	CONSTRUCTION DETAILS	SHEET 14	HARDSCAPE DETAILS	SHEET 25	PLANTING PLAN
SHEET 4	PRECISE GRADING AND DRAINAGE PLAN	SHEET 15	IRRIGATION PLAN	SHEET 26	PLANTING PLAN
SHEET 5	PRECISE GRADING AND DRAINAGE PLAN	SHEET 16	IRRIGATION PLAN	SHEET 27	IRRIGATION & PLANTING DETAILS
SHEET 6	COMPOSITE UTILITY PLAN	SHEET 17	IRRIGATION PLAN	SHEET 28	IRRIGATION & PLANTING DETAILS
SHEET 7	SIGNING AND STRIPING PLAN	SHEET 18	IRRIGATION PLAN	SHEET 29	STATION SIGNAGE/LOCATION PLAN
SHEET 8	SIGNING AND STRIPING PLAN	SHEET 19	IRRIGATION PLAN	SHEET 30	STATION SIGNAGE
SHEET 9	TRAFFIC SIGNAL MODIFICATION PLAN	SHEET 20	IRRIGATION PLAN	SHEET 31	STATION SIGNAGE
SHEET 10	TRAFFIC SIGNAL MODIFICATION PLAN	SHEET 21	PLANTING PLAN	SHEET 32	STATION SIGNAGE
SHEET 11	SITE LIGHTING PLAN	SHEET 22	PLANTING PLAN		

CITY OF COVINA

DEPARTMENT OF PUBLIC WORKS

PEDESTRIAN AND METROLINK STATION IMPROVEMENTS PROJECT

CITY PROJECT NO. T-0814B FEDERAL PROJECT NO. HPLUL-5118(016)



UTILITY CONTACT:

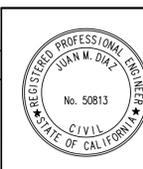
CITY OF COVINA (626) 384-5483 LAURA LARA	CITY OF COVINA WATER (626) 384-5235 DEAN DOSPITAL	COVINA IRRIGATION CO. (626) 332-1502 MATTHEW KURAL	CHARTER COMMUNICATIONS (626) 463-1980 HOXIK TOTRIAN	VERIZON (909) 469-6369 AMIN ABOUELHOUDA	TIME WARNER (888) 430-1378	SPRINT (949) 225-2931 TIBOR LAKY	LACMTA/METROLINK (909) 394-3418 CHRISTOS SOURMELIS
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UTILITY CONTACT:

AT&T CALIFORNIA (626) 308-4966 CATHY HURTADO	SOUTHERN CALIF. EDISON (909) 592-3717 KELLY WINSLOW	SO. CALIF. GAS CO. (909) 335-7965 ED SANTILLAN	SO. CALIF. WATER CO. (909) 592-4271 x118 ROBERT NILA	L.A. CO. DEPT. OF PW (626) 458-4960 GEORGE BABIK	L.A. CO. SANITATION DIST. (562) 699-7411 x1602 JON GANZ	SUBURBAN WATER SYSTEMS (626) 543-2640 BRIAN NORDEN	UNDERGROUND SERVICE ALERT (800) 422-4133
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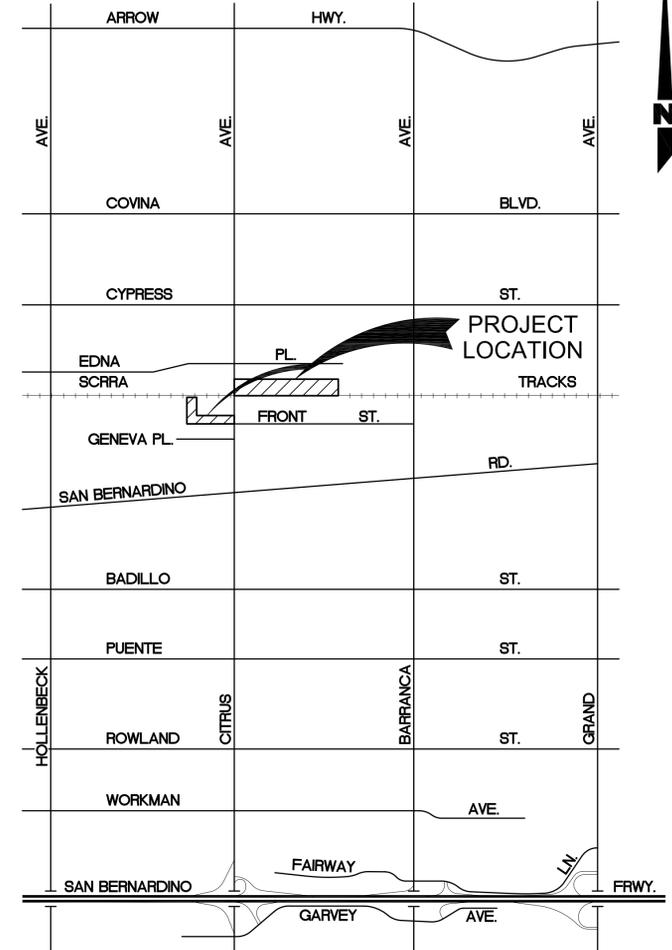
BENCHMARK INFORMATION

VERTICAL DATUM: NAVD-88
BENCHMARK: COUNTY OF LOS ANGELES BM #4935
ELEVATION: 556.013 FT (2005 BASELINE)
DESCRIPTION: DPW BM TAG IN S CB 3.3 FT S/O BCR
© SE COR SAN BERNARDINO RD & CITRUS AVE



Plans Prepared by:
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1945 East Gable Avenue, Suite 212
Covina, California 91724
(909) 820-1111 Fax
(909) 820-1118 Cell
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UNDER THE SUPERVISION OF:
JUAN M. DIAZ
P.E.



VICINITY MAP
NOT TO SCALE

ABBREVIATION LIST

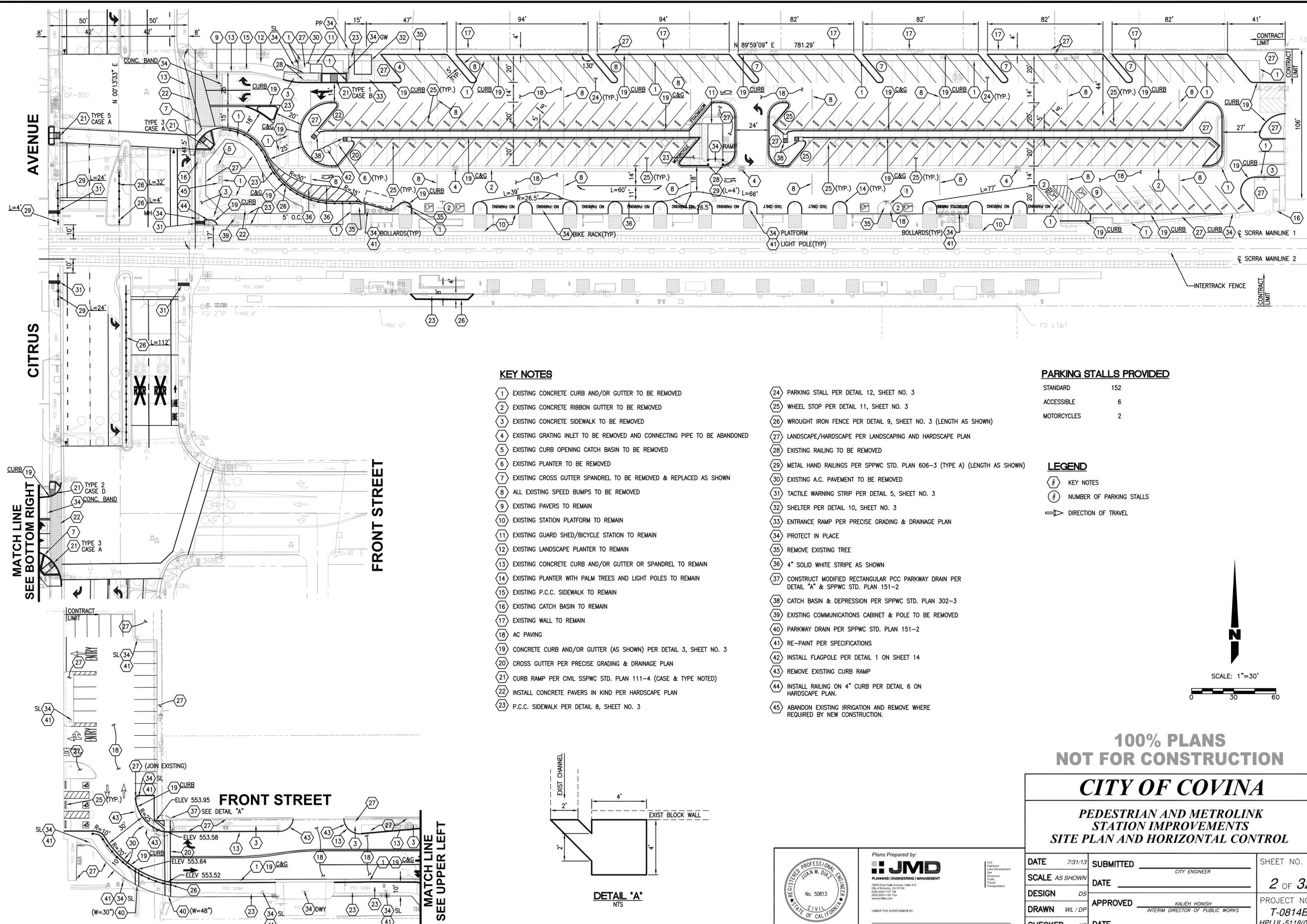
TL = TRAFFIC LOOP	HYD = HYDRANT
VLV = VALVE	PCC = PORTLAND CEMENT CONCRETE
WM = WATER METER	EP = EDGE OF PAVEMENT
TS = TRAFFIC SIGNAL	L.S. = LUMP SUM
SCH = SCHEDULE	THP = THERMOPLASTIC
SIG = SIGNAL	STA. = STATION
SL = STREET LIGHT POLE	SHT = SHEET
MH = MANHOLE	DET. = DETAIL
HH = HAND HOLE	TYP. = TYPICAL
RW = RIGHT OF WAY	LIN. FT. = LINEAR FEET
FC = FACE OF CURB	SQ. FT. = SQUARE FEET
AC = ASPHALT CONCRETE	UTIL = UTILITY
ARHM = ASPHALT RUBBERIZED HOT MIX	GW = GUY WIRE
PL = PROPERTY LINE	PVC = POLYVINYL CHLORIDE
DWY = DRIVEWAY	C&G = CURB AND GUTTER

**100% PLANS
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CITY OF COVINA

**PEDESTRIAN AND METROLINK
STATION IMPROVEMENTS
TITLE SHEET / VICINITY MAP / INDEX**

DATE 7/31/13	SUBMITTED _____ CITY ENGINEER	SHEET NO. _____
SCALE AS SHOWN	DATE _____	1 OF 32
DESIGN DS	APPROVED _____ KALIEH HOUSH INTERIM DIRECTOR OF PUBLIC WORKS	PROJECT NO. T-0814B
DRAWN WL / DP	CHECKED KS	HPLUL-5118(016)



KEY NOTES

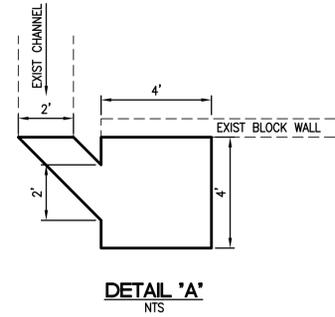
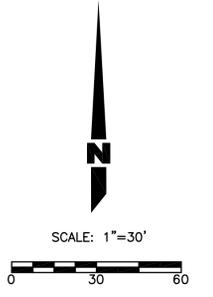
- 1 EXISTING CONCRETE CURB AND/OR GUTTER TO BE REMOVED
- 2 EXISTING CONCRETE RIBBON GUTTER TO BE REMOVED
- 3 EXISTING CONCRETE SIDEWALK TO BE REMOVED
- 4 EXISTING GRATING INLET TO BE REMOVED AND CONNECTING PIPE TO BE ABANDONED
- 5 EXISTING CURB OPENING CATCH BASIN TO BE REMOVED
- 6 EXISTING PLANTER TO BE REMOVED
- 7 EXISTING CROSS GUTTER SPANDREL TO BE REMOVED & REPLACED AS SHOWN
- 8 ALL EXISTING SPEED BUMPS TO BE REMOVED
- 9 EXISTING PAVERS TO REMAIN
- 10 EXISTING STATION PLATFORM TO REMAIN
- 11 EXISTING GUARD SHED/BICYCLE STATION TO REMAIN
- 12 EXISTING LANDSCAPE PLANTER TO REMAIN
- 13 EXISTING CONCRETE CURB AND/OR GUTTER OR SPANDREL TO REMAIN
- 14 EXISTING PLANTER WITH PALM TREES AND LIGHT POLES TO REMAIN
- 15 EXISTING P.C.C. SIDEWALK TO REMAIN
- 16 EXISTING CATCH BASIN TO REMAIN
- 17 EXISTING WALL TO REMAIN
- 18 AC PAVING
- 19 CONCRETE CURB AND/OR GUTTER (AS SHOWN) PER DETAIL 3, SHEET NO. 3
- 20 CROSS GUTTER PER PRECISE GRADING & DRAINAGE PLAN
- 21 CURB RAMP PER CIVIL SPPWC STD. PLAN 111-4 (CASE & TYPE NOTED)
- 22 INSTALL CONCRETE PAVERS IN KIND PER HARDSCAPE PLAN
- 23 P.C.C. SIDEWALK PER DETAIL 8, SHEET NO. 3
- 24 PARKING STALL PER DETAIL 12, SHEET NO. 3
- 25 WHEEL STOP PER DETAIL 11, SHEET NO. 3
- 26 WROUGHT IRON FENCE PER DETAIL 9, SHEET NO. 3 (LENGTH AS SHOWN)
- 27 LANDSCAPE/HARDSCAPE PER LANDSCAPING AND HARDSCAPE PLAN
- 28 EXISTING RAILING TO BE REMOVED
- 29 METAL HAND RAILINGS PER SPPWC STD. PLAN 606-3 (TYPE A) (LENGTH AS SHOWN)
- 30 EXISTING A.C. PAVEMENT TO BE REMOVED
- 31 TACTILE WARNING STRIP PER DETAIL 5, SHEET NO. 3
- 32 SHELTER PER DETAIL 10, SHEET NO. 3
- 33 ENTRANCE RAMP PER PRECISE GRADING & DRAINAGE PLAN
- 34 PROTECT IN PLACE
- 35 REMOVE EXISTING TREE
- 36 4" SOLID WHITE STRIPE AS SHOWN
- 37 CONSTRUCT MODIFIED RECTANGULAR PCC PARKWAY DRAIN PER DETAIL "A" & SPPWC STD. PLAN 151-2
- 38 CATCH BASIN & DEPRESSION PER SPPWC STD. PLAN 302-3
- 39 EXISTING COMMUNICATIONS CABINET & POLE TO BE REMOVED
- 40 PARKWAY DRAIN PER SPPWC STD. PLAN 151-2
- 41 RE-PAINT PER SPECIFICATIONS
- 42 INSTALL FLAGPOLE PER DETAIL 1 ON SHEET 14
- 43 REMOVE EXISTING CURB RAMP
- 44 INSTALL RAILING ON 4" CURB PER DETAIL 6 ON HARDSCAPE PLAN.
- 45 ABANDON EXISTING IRRIGATION AND REMOVE WHERE REQUIRED BY NEW CONSTRUCTION.

PARKING STALLS PROVIDED

STANDARD	152
ACCESSIBLE	6
MOTORCYCLES	2

LEGEND

- Ⓝ KEY NOTES
- Ⓜ NUMBER OF PARKING STALLS
- ➔ DIRECTION OF TRAVEL



**100% PLANS
NOT FOR CONSTRUCTION**

CITY OF COVINA

**PEDESTRIAN AND METROLINK
STATION IMPROVEMENTS
SITE PLAN AND HORIZONTAL CONTROL**

DATE	7/31/13	SUBMITTED	CITY ENGINEER	SHEET NO.	2 OF 32
SCALE	AS SHOWN	DATE		PROJECT NO.	T-0814B
DESIGN	DS	APPROVED	KALIEH HOUSH INTERIM DIRECTOR OF PUBLIC WORKS		HPLUL-5118(016)
DRAWN	WL / DP	CHECKED	KS	DATE	

Plans Prepared by:

JMD
PLANNING | ENGINEERING | MANAGEMENT

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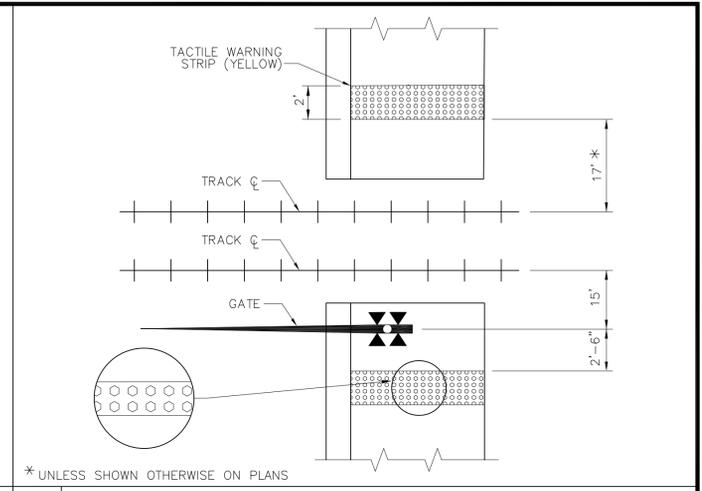
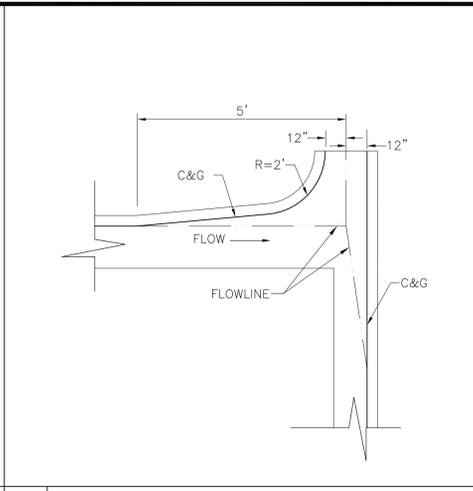
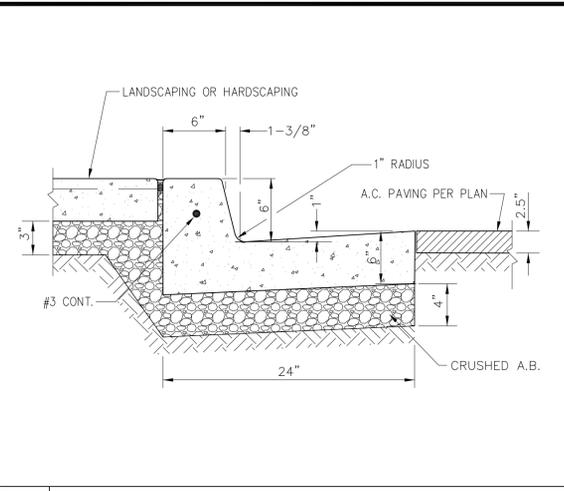
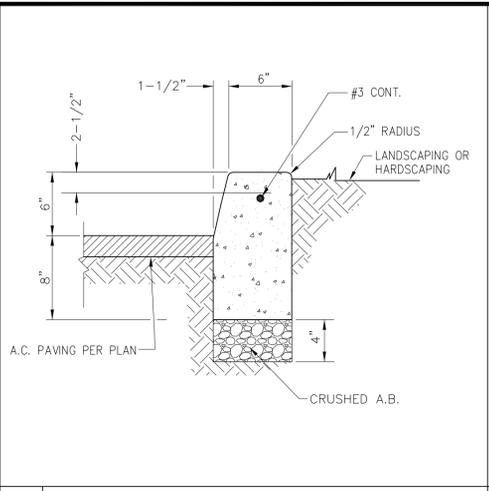
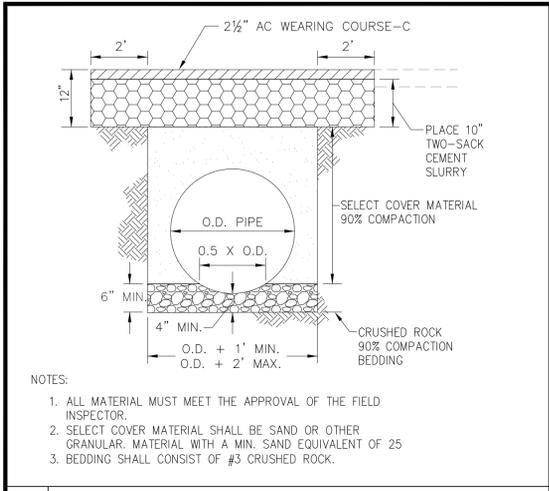
UNDER THE SUPERVISION OF:

JUAN M. DIAZ
REGISTERED PROFESSIONAL ENGINEER
No. 50813
CIVIL
STATE OF CALIFORNIA

City: _____
Highways: _____
Land Development: _____
PCC: _____
Structures: _____
Water: _____
Transportation: _____

JUAN M. DIAZ _____
DATE _____

December 05, 2013 at 12:07pm P:\2012\2424\2012.0605\14.001\08 Covina Pedestrian Improvements at Covina Metrolink Station\081501 SITE PLAN.dwg by: RStrom on: JMD018



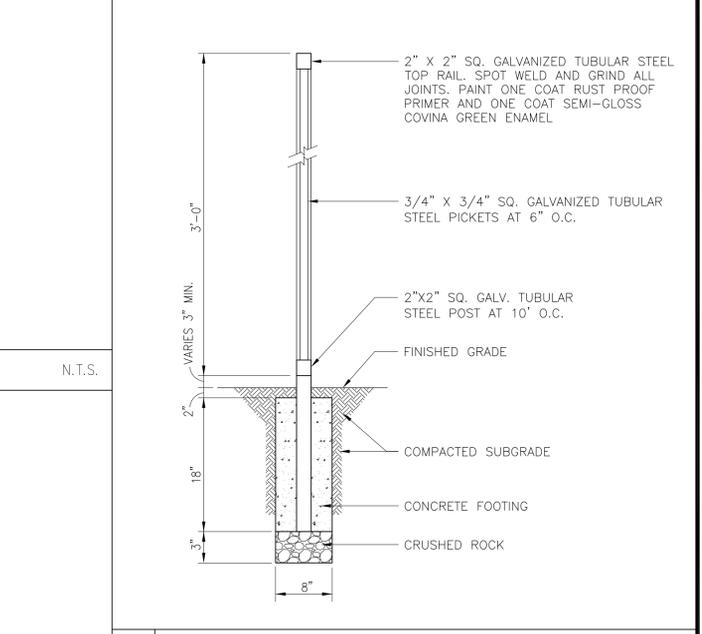
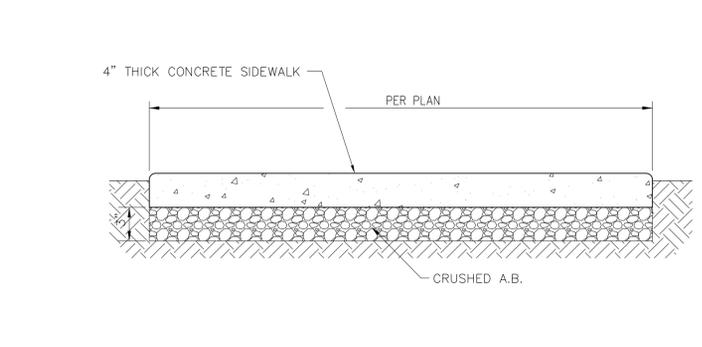
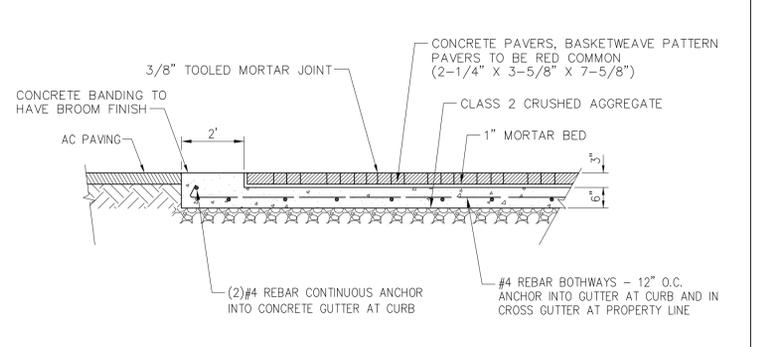
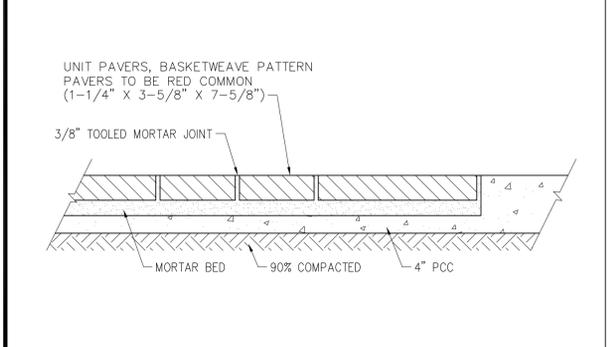
1 PIPE TRENCH AND BEDDING N.T.S.

2 CONCRETE CURB N.T.S.

3 CONC. CURB AND GUTTER N.T.S.

4 OVERSIDE DRAIN N.T.S.

5 TACTILE WARNING STRIPS (TRUNCATED DOMES) N.T.S.

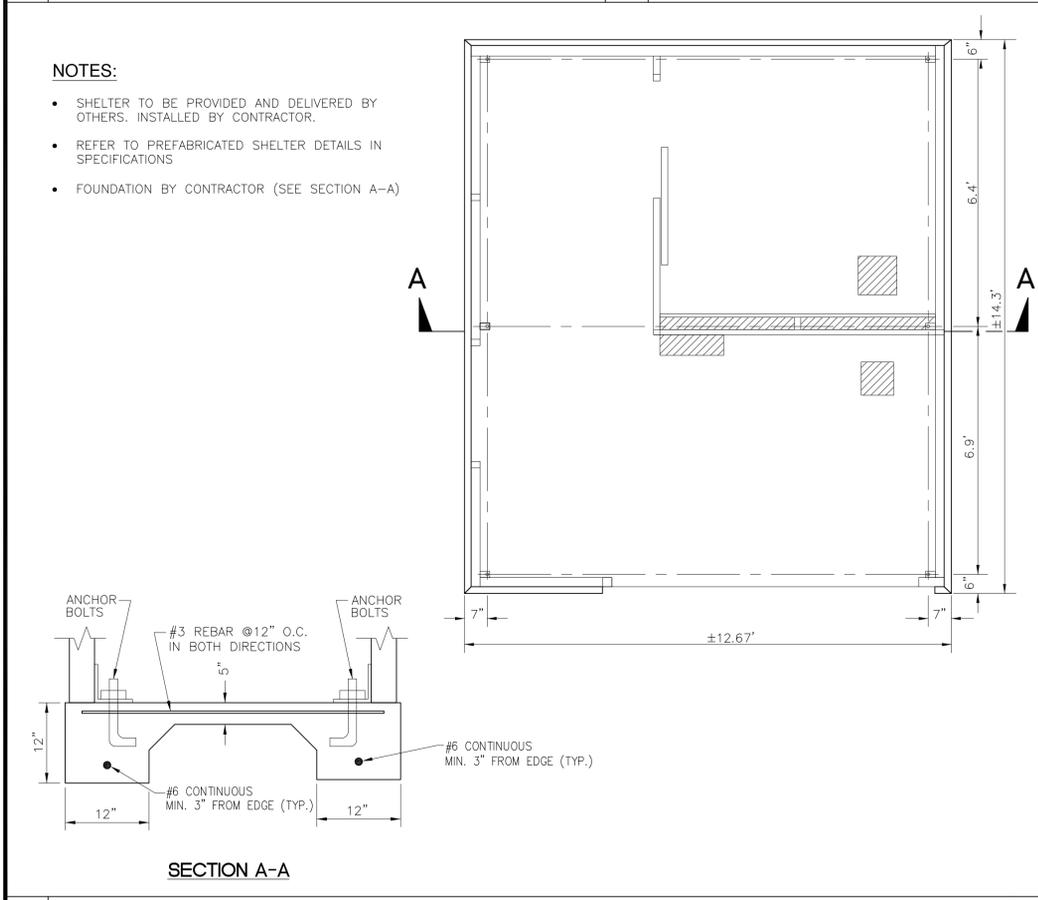


6 BRICK PAVERS (PLAZA AREAS) N.T.S.

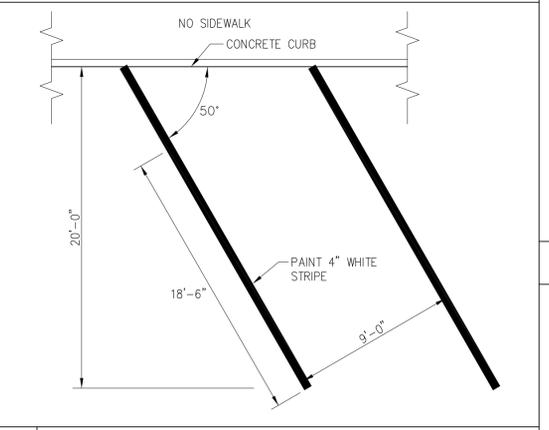
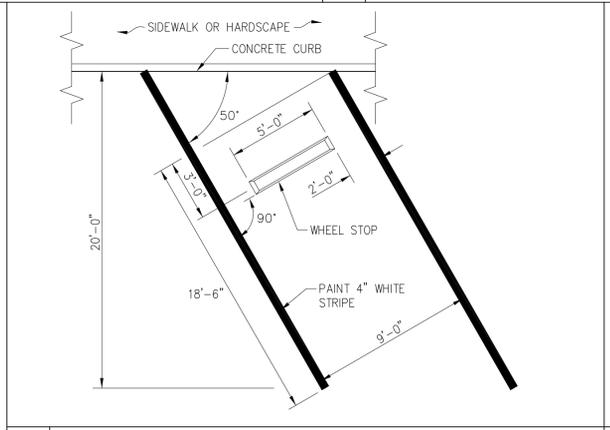
7 BRICK PAVERS (STREET) N.T.S.

8 SIDEWALK N.T.S.

9 WROUGHT IRON FENCING N.T.S.

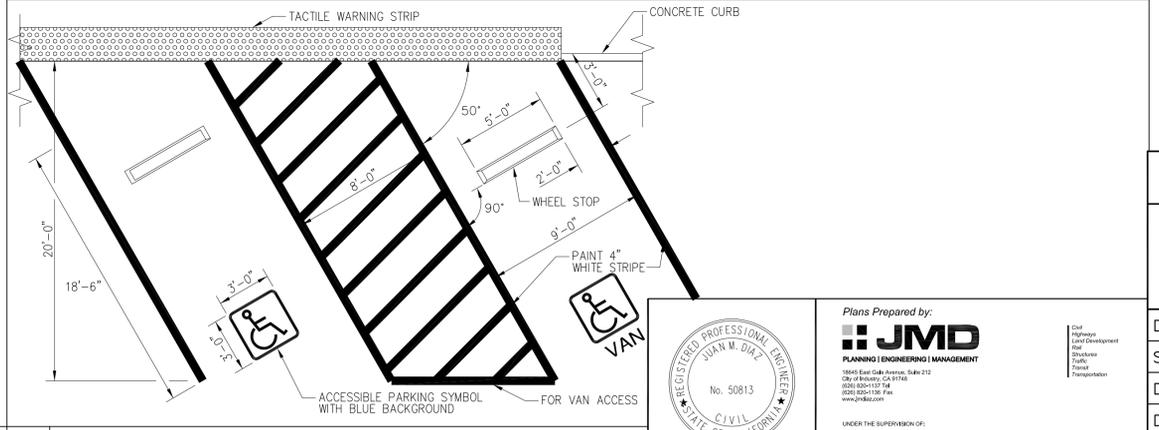


10 SHELTER FOUNDATION DETAIL N.T.S.



11 STANDARD STALL WITH WHEEL STOP (50°) N.T.S.

12 STANDARD PARKING STALL (50°) N.T.S.



13 ACCESSIBLE ADA PARKING STALL (50°) N.T.S.

100% PLANS NOT FOR CONSTRUCTION

CITY OF COVINA

PEDESTRIAN AND METROLINK STATION IMPROVEMENTS CONSTRUCTION DETAILS

DATE	7/31/13	SUBMITTED	CITY ENGINEER	SHEET NO.	3 OF 32
SCALE	AS SHOWN	DATE		PROJECT NO.	T-0814B
DESIGN	DS	APPROVED	KALIEH HONISH INTERIM DIRECTOR OF PUBLIC WORKS		HPLUL-5118(016)
DRAWN	WL / DP	CHECKED	KS		

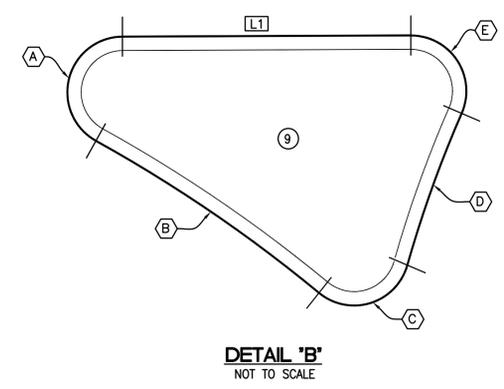
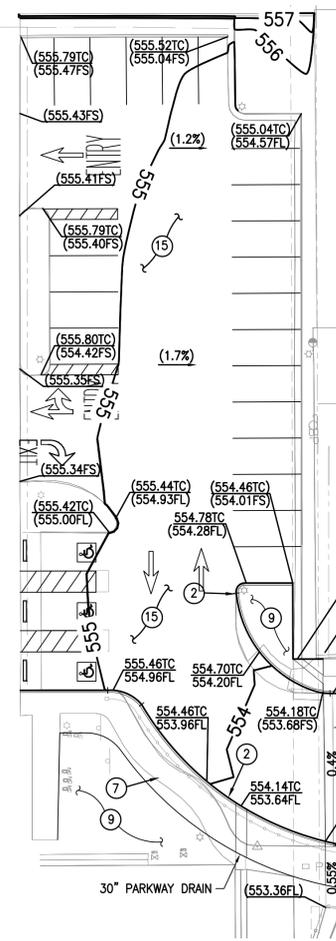
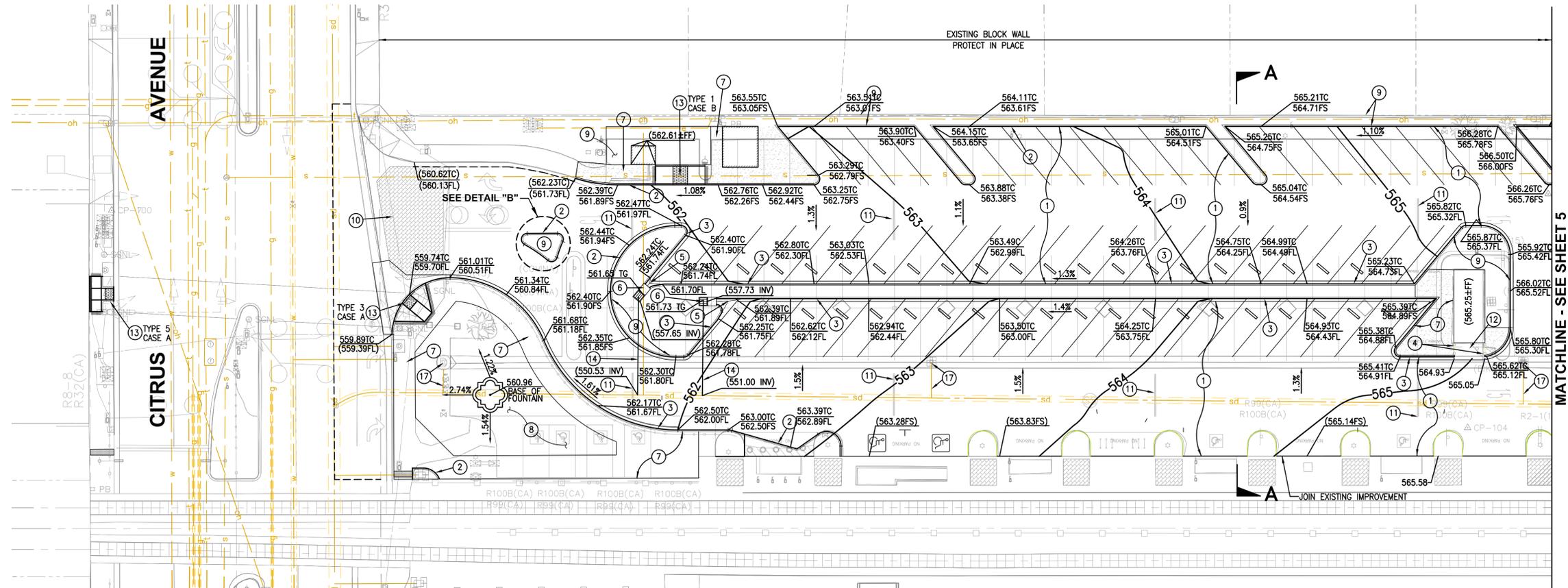
Plans Prepared by: **JMD** PLANNING ENGINEERING & MANAGEMENT

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City of Industry, CA 91748
(925) 852-1174
www.jmdinc.com

REGISTERED PROFESSIONAL ENGINEER
JUAN M. DIAZ
No. 50813
CIVIL
STATE OF CALIFORNIA

UNDER THE SUPERVISION OF:
JUAN M. DIAZ
RICE
DATE

November 07, 2013 at 11:35am P:\2012\Acad\2012\0063\0001\00_Covina Pedestrian Improvements at Covina Metrolink Station\Detail\TALS_1.dwg by RShore on JMD018

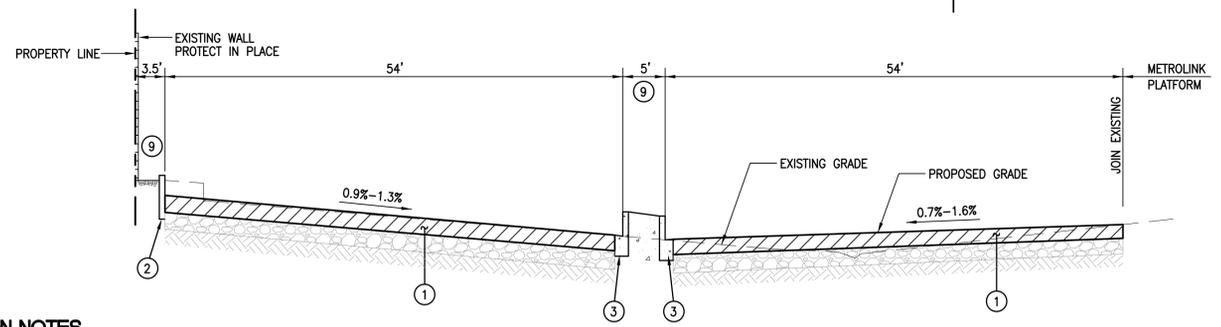


CURVE DATA

#	R	D	L	T
A	2'	150°58'28"	5.27'	7.73'
B	53'	10°33'04"	9.76'	4.89'
C	2'	113°26'44"	3.96'	3.05'
D	42.5'	7°49'57"	5.81'	2.91'
E	2'	114°01'07"	3.98'	3.08'

TANGENT LENGTH

LINE	L	BEARING	DESCRIPTION
L1	10.43'	S90°13'33"E	CONC CURB

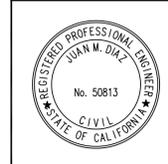
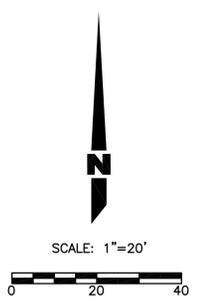


- CONSTRUCTION NOTES**
- REMOVE 2 1/2" EXISTING AC AND CONSTRUCT 2 1/2" PG-64-10-C2 AC OVER EXISTING AGGREGATE BASE
 - CONSTRUCT CONCRETE CURB PER DETAIL 2 ON SHEET NO. 3
 - CONSTRUCT CONCRETE CURB AND GUTTER PER DETAIL 3 ON SHEET NO. 3
 - INSTALL RAILING PER DETAIL 7 ON HARDSCAPE DETAILS
 - CONSTRUCT OVERSIDE DRAIN PER DETAIL 4 ON SHEET NO. 3
 - CONSTRUCT CURB OPENING CATCH BASIN WITH GRATING(S) PER SPPWC STD. PLAN 302-3
 - CONSTRUCT 4" THICK PCC SIDEWALK PER DETAIL 8 ON SHEET NO. 3
 - HARDSCAPING PER HARDSCAPE PLANS
 - LANDSCAPING PER PLANTING PLANS
 - REMOVE AND REPLACE PAVERS IN KIND PER DETAIL 7 ON SHEET NO. 3
 - REMOVE EXISTING SPEED BUMP
 - MODIFY EXISTING RAMP
 - CONSTRUCT CURB RAMP PER CIVIL SPPWC STD. PLAN 111-4 (CASE & TYPE NOTED)
 - CONSTRUCT 15" RCP STORM DRAIN LATERAL PER DETAIL 1 ON SHEET NO. 3 AND SPPWC STD. PLAN 332-2
 - REMOVE 1 1/2" EXISTING AC AND CONSTRUCT 1 1/2" PG-64-10-C2 AC OVER EXISTING AGGREGATE BASE
 - CONSTRUCT PCC LONGITUDINAL GUTTER PER SPPWC STD. PLAN 122-2 ON 4" COMPACTED BASE
 - REMOVE EXISTING GRATING INLET AND ABANDON PIPE PER SPPWC SECTION 306-5

CONTRACTOR SHALL NOT REMOVE THE EXISTING AGGREGATE BASE AND EXPOSE THE SUBGRADE SOIL IN THE PARKING LOT.

100% PLANS NOT FOR CONSTRUCTION

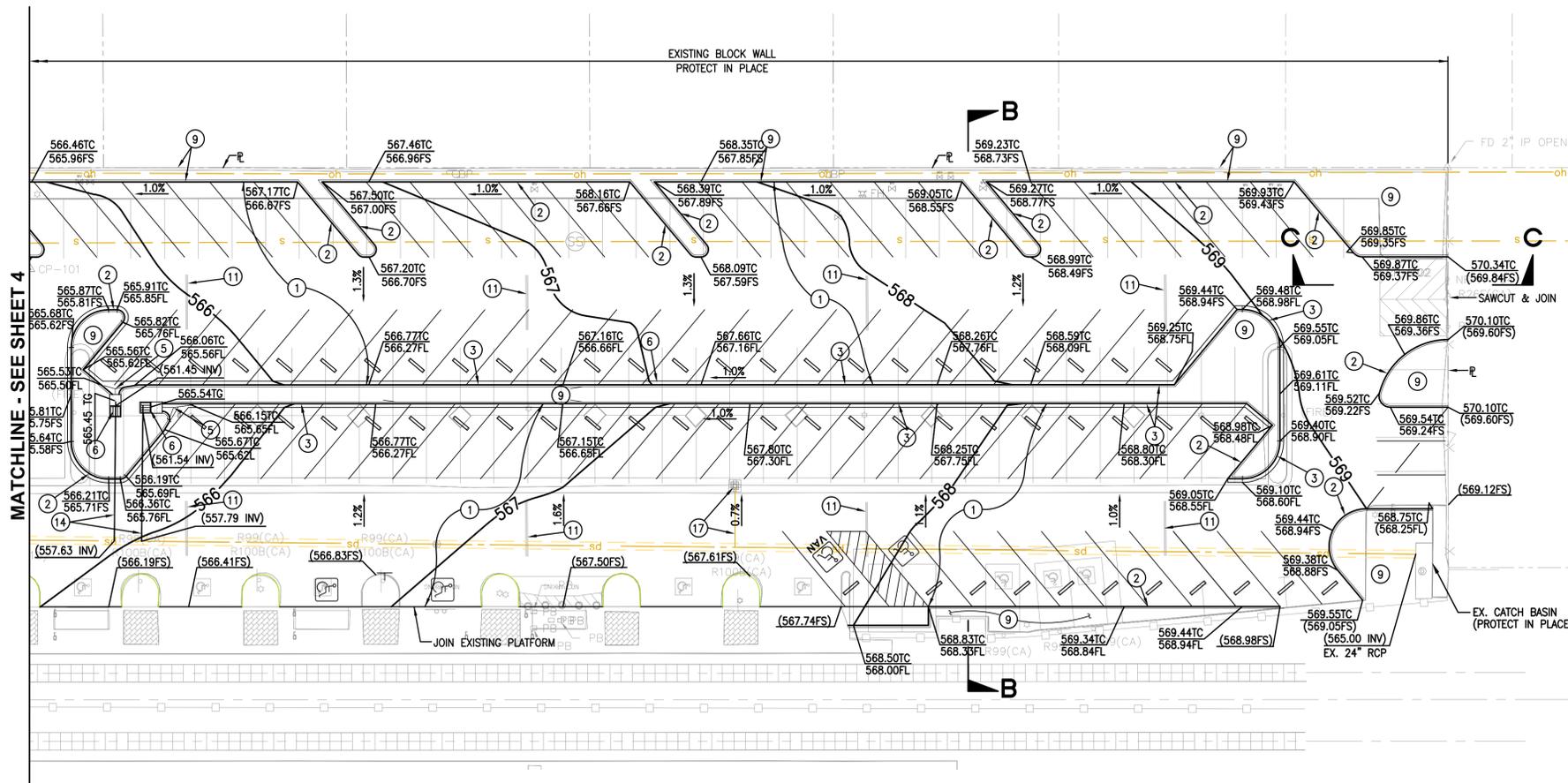
CITY OF COVINA
PEDESTRIAN AND METROLINK STATION IMPROVEMENTS
PRECISE GRADING AND DRAINAGE PLAN



Plans Prepared by:
JMD
 PLANNING | ENGINEERING | MANAGEMENT
 11645 East Cahuilla Avenue, Suite 212
 Escondido, CA 92026
 (760) 941-1111
 www.jmdinc.com

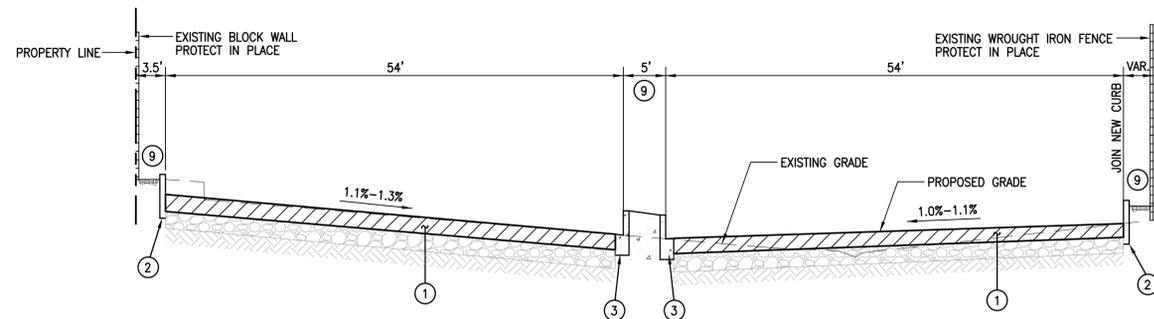
UNDER THE SUPERVISION OF:
 JUAN M. DIAZ
 P.E.
 DATE

DATE	7/31/13	SUBMITTED	CITY ENGINEER	SHEET NO.	4 OF 32
SCALE	AS SHOWN	DATE		PROJECT NO.	T-0814B
DESIGN	DS	APPROVED	KALIEH HOUSH INTERIM DIRECTOR OF PUBLIC WORKS	HPLUL-5118(10)	
DRAWN	WL / DP	CHECKED	KS	DATE	

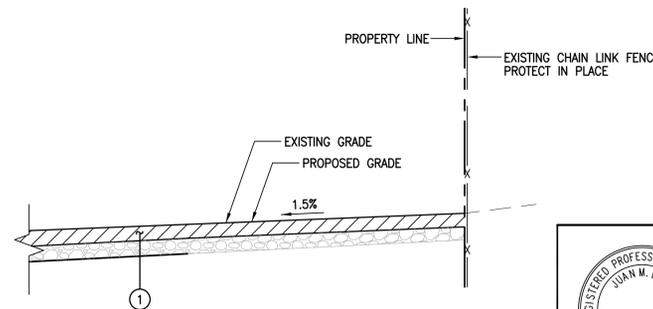


CONSTRUCTION NOTES

- 1 REMOVE 2 1/2" EXISTING AC AND CONSTRUCT 2 1/2" PG-64-10-C2 AC OVER EXISTING AGGREGATE BASE
- 2 CONSTRUCT CONCRETE CURB PER DETAIL 2 ON SHEET NO. 3
- 3 CONSTRUCT CONCRETE CURB AND GUTTER PER DETAIL 3 ON SHEET NO. 3
- 4 INSTALL RAILING PER DETAIL 7 ON HARDSCAPE DETAILS
- 5 CONSTRUCT OVERSIDE DRAIN PER DETAIL 4 ON SHEET NO. 3
- 6 CONSTRUCT CURB OPENING CATCH BASIN WITH GRATING(S) PER SPPWC STD. PLAN 302-3
- 7 CONSTRUCT 4" THICK PCC SIDEWALK PER DETAIL 8 ON SHEET NO. 3
- 8 HARDSCAPING PER HARDSCAPE PLANS
- 9 LANDSCAPING PER PLANTING PLANS
- 10 REMOVE AND REPLACE PAVERS IN KIND PER DETAIL 7 ON SHEET NO. 3
- 11 REMOVE EXISTING SPEED BUMP
- 12 MODIFY EXISTING RAMP
- 13 CONSTRUCT CURB RAMP PER CIVIL SPPWC STD. PLAN 111-4 (CASE & TYPE NOTED)
- 14 CONSTRUCT 15" RCP STORM DRAIN LATERAL PER DETAIL 1 ON SHEET NO. 3 AND SPPWC STD. PLAN 332-2
- 15 REMOVE 1 1/2" EXISTING AC AND CONSTRUCT 1 1/2" PG-64-10-C2 AC OVER EXISTING AGGREGATE BASE
- 16 CONSTRUCT PCC LONGITUDINAL GUTTER PER SPPWC STD. PLAN 122-2 ON 4" COMPACTED BASE
- 17 REMOVE EXISTING GRATING INLET AND ABANDON PIPE PER SPPWC SECTION 306-5



SECTION B-B
NOT TO SCALE

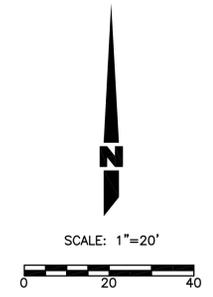


SECTION C-C
NOT TO SCALE

CONTRACTOR SHALL NOT REMOVE THE EXISTING AGGREGATE BASE AND EXPOSE THE SUBGRADE SOIL IN THE PARKING LOT.

100% PLANS NOT FOR CONSTRUCTION

CITY OF COVINA
PEDESTRIAN AND METROLINK STATION IMPROVEMENTS
PRECISE GRADING AND DRAINAGE PLAN



Plans Prepared by:

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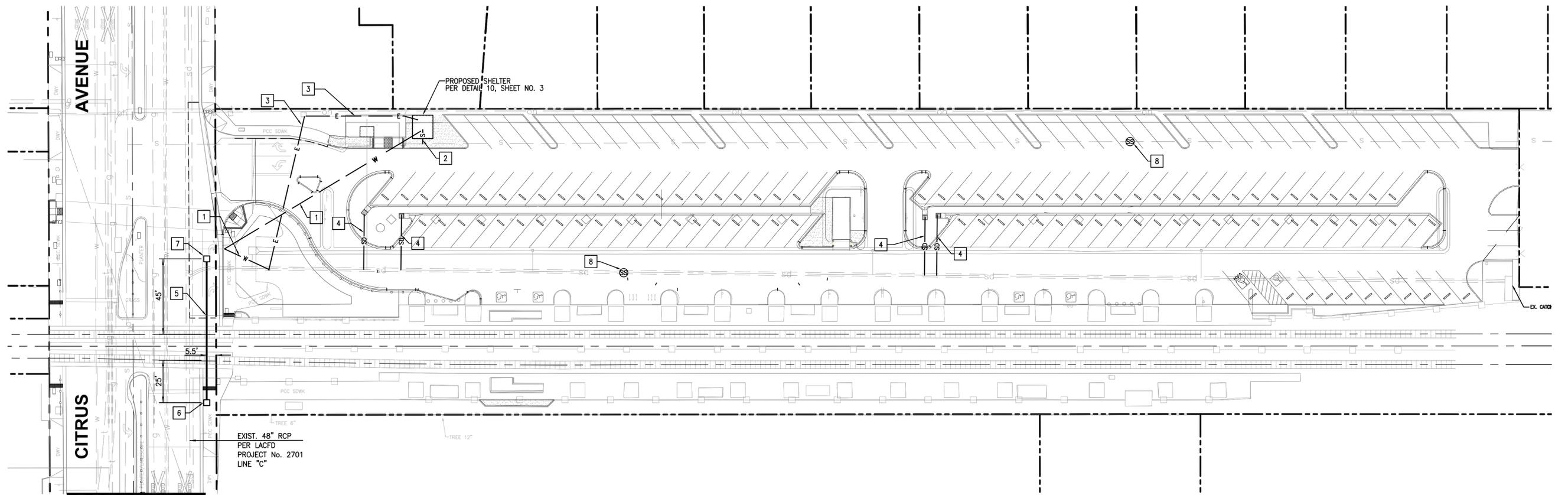
1845 East Gable Avenue, Suite 212
Covina, CA 91724
(909) 920-1111 Fax
(909) 920-1188 Cell
www.jmdinc.com

UNDER THE SUPERVISION OF:

JUAN M. DIAZ
REGISTERED PROFESSIONAL ENGINEER
No. 50813
STATE OF CALIFORNIA
CIVIL

DATE: _____
SCALE: AS SHOWN
DESIGN: DS
DRAWN: WL / DP
CHECKED: KS

DATE	7/31/13	SUBMITTED	CITY ENGINEER	SHEET NO.	5 OF 32
SCALE	AS SHOWN	DATE		DESIGN NO.	T-0814B
DESIGN	DS	APPROVED	KALIEH HOUSH INTERIM DIRECTOR OF PUBLIC WORKS	PROJECT NO.	HPLUL-5118(1016)
DRAWN	WL / DP	DATE			
CHECKED	KS				



MATCH LINE
SEE BELOW RIGHT

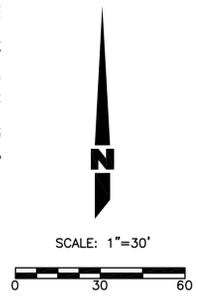
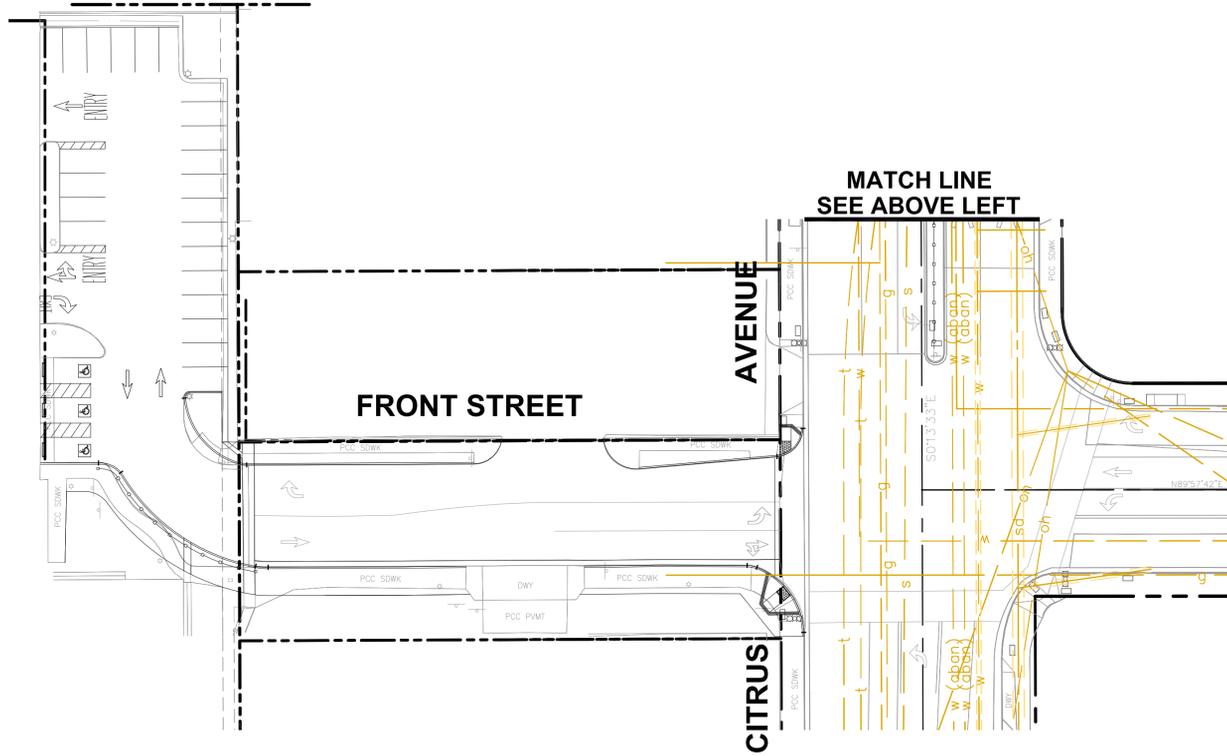
MATCH LINE
SEE ABOVE LEFT

UTILITY CONSTRUCTION NOTES

- 1 INSTALL NEW LATERAL AND CONNECT TO EXISTING WATER LINE AT METER.
- 2 INSTALL NEW LATERAL AND CONNECT TO EXISTING SANITARY SEWER LINE.
- 3 INSTALL NEW ELECTRICAL CONDUIT AND CONDUCTORS AND CONNECT TO EXISTING ELECTRICAL CABINET.
- 4 INSTALL NEW LATERAL PER DETAIL 1 ON SHEET 3 AND CONNECT TO EXISTING STORM DRAIN LINE.
- 5 INSTALL 2-6" PVC SCH 40 SLEEVE IN STEEL CASING PER SCRR ENGINEERING STANDARD ES5001. INSTALLATION BY JACK & BORE METHOD.
- 6 INSTALL NO. 6 PULL BOX.
- 7 INSTALL NO. 6(T) PULL BOX.
- 8 ADJUST EXISTING MANHOLE TO GRADE

LEGEND

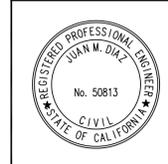
---	PROPERTY LINE	---	EXISTING WATER LINE
W	PROPOSED WATER LINE	SD	EXISTING STORM DRAIN
SD	PROPOSED STORM DRAIN	S	EXISTING SANITARY SEWER
S	PROPOSED SANITARY SEWER	G	EXISTING GAS LINE
G	PROPOSED GAS LINE	FS	EXISTING FIRE SERVICE LINE
FS	PROPOSED FIRE SERVICE LINE	E	EXISTING ELECTRICAL LINE
E	PROPOSED ELECTRICAL LINE	T	EXISTING TELEPHONE LINE
T	PROPOSED TELEPHONE LINE		
PCC	POINT OF CONNECTION		



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CITY OF COVINA

**PEDESTRIAN AND METROLINK
STATION IMPROVEMENTS
COMPOSITE UTILITY PLAN**



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Covina, CA 91724
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UNDER THE SUPERVISION OF:
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P.E.

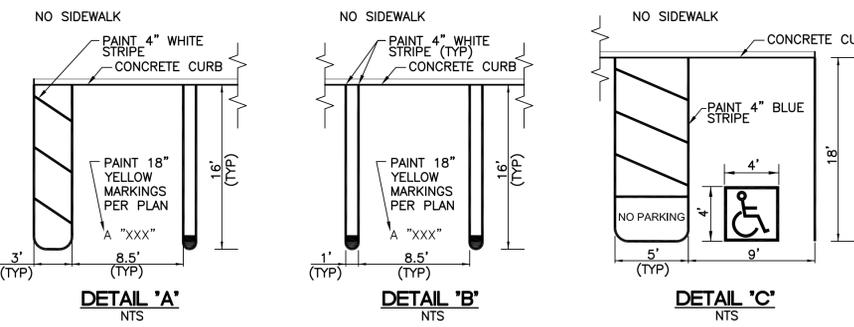
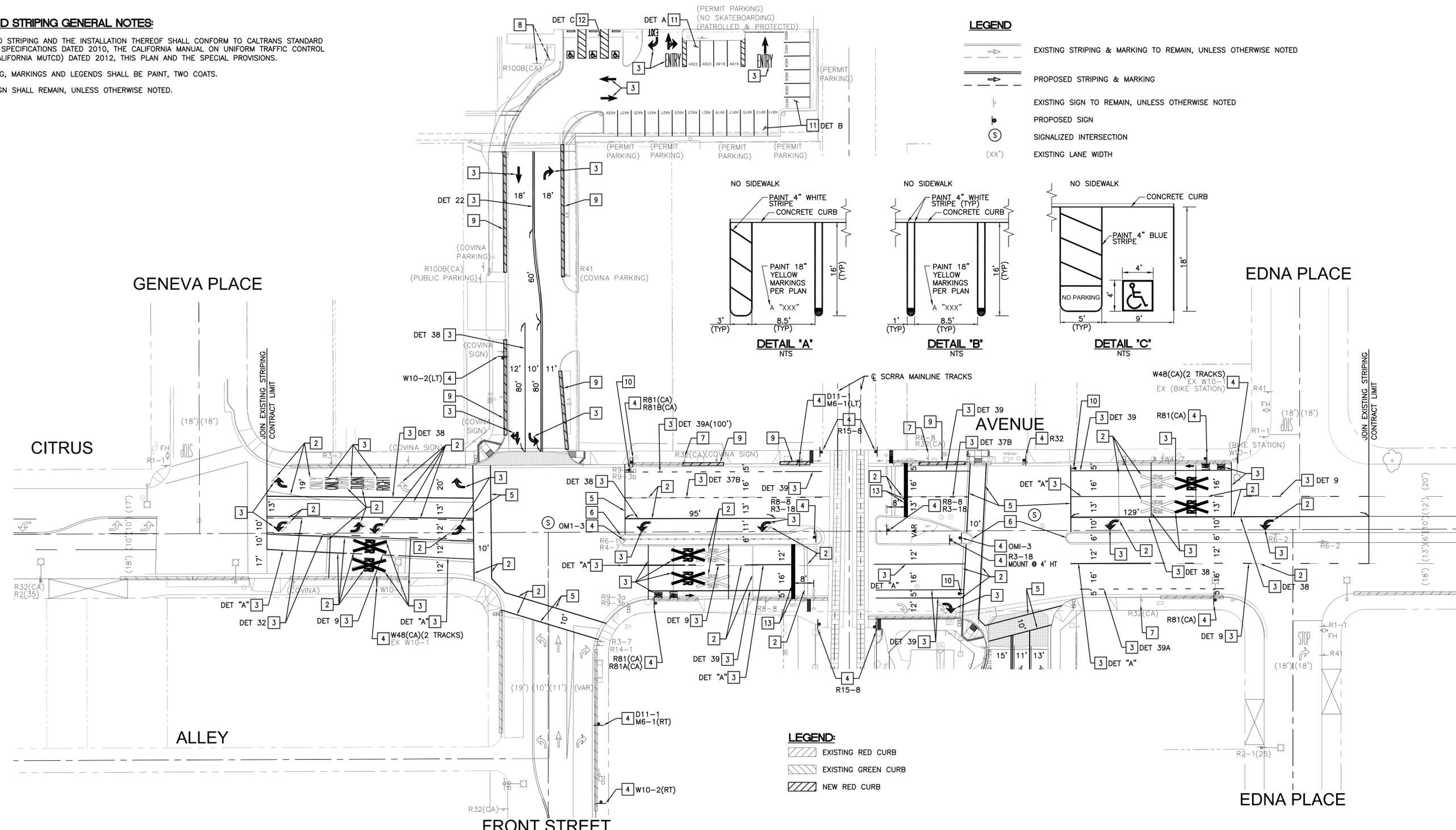
DATE	7/31/13	SUBMITTED	CITY ENGINEER	SHEET NO.	6 OF 32
SCALE	AS SHOWN	DATE		PROJECT NO.	T-0814B
DESIGN	DS	APPROVED	KALEH HOUSH INTERIM DIRECTOR OF PUBLIC WORKS		HPLUL-5118(016)
DRAWN	WL / DP	CHECKED	KS	DATE	

SIGNING AND STRIPING GENERAL NOTES:

1. SIGNING AND STRIPING AND THE INSTALLATION THEREOF SHALL CONFORM TO CALTRANS STANDARD PLANS AND SPECIFICATIONS DATED 2010, THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CALIFORNIA MUTCD) DATED 2012, THIS PLAN AND THE SPECIAL PROVISIONS.
2. ALL STRIPING, MARKINGS AND LEGENDS SHALL BE PAINT, TWO COATS.
3. EXISTING SIGN SHALL REMAIN, UNLESS OTHERWISE NOTED.

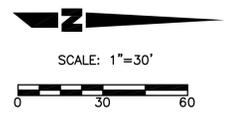
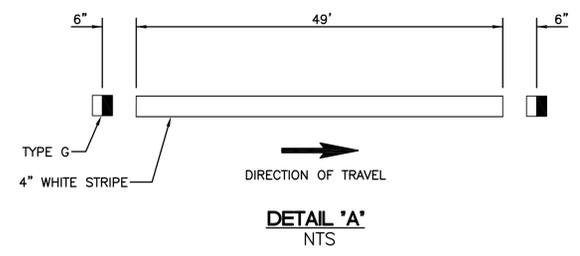
LEGEND

- EXISTING STRIPING & MARKING TO REMAIN, UNLESS OTHERWISE NOTED
- PROPOSED STRIPING & MARKING
- EXISTING SIGN TO REMAIN, UNLESS OTHERWISE NOTED
- PROPOSED SIGN
- SIGNALIZED INTERSECTION
- EXISTING LANE WIDTH (XX')



SIGNING AND STRIPING CONSTRUCTION NOTES:

- | | |
|--|---|
| 1 REMOVE EXISTING SIGN AS SHOWN. | 9 PAINT RED CURB |
| 2 REMOVE CONFLICTING STRIPING. | 10 INSTALL BICYCLE LOOP DETECTOR SYMBOL |
| 3 INSTALL STRIPING DETAIL AND/OR PAVEMENT MARKING AS SHOWN. | 11 INSTALL 4" WHITE PARKING STALLS AS SHOWN |
| 4 INSTALL SIGN AND POST AS INDICATED. | 12 INSTALL 4" BLUE HANDICAP STALLS AND PAVEMENT MARKINGS AS SHOWN |
| 5 PAINT 12" WHITE CROSSWALK OR LIMIT LINE. CROSSWALK SHALL BE 10' INSIDE UNLESS SHOWN OTHERWISE. | 13 PAINT 24" WHITE LIMIT LINE (8' FROM GATE ARM) |
| 6 PAINT MEDIAN NOSE YELLOW. | |
| 7 REPLACE EXISTING R32 SIGN WITH NEW R26 (CA) SIGN. | |
| 8 RELOCATE SIGN(S) AND/OR POST(S) TO NEW LOCATION SHOWN. | |



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SIGNING AND STRIPING**

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REGISTERED PROFESSIONAL ENGINEER
JUAN M. DIAZ
No. 50813
CIVIL
STATE OF CALIFORNIA

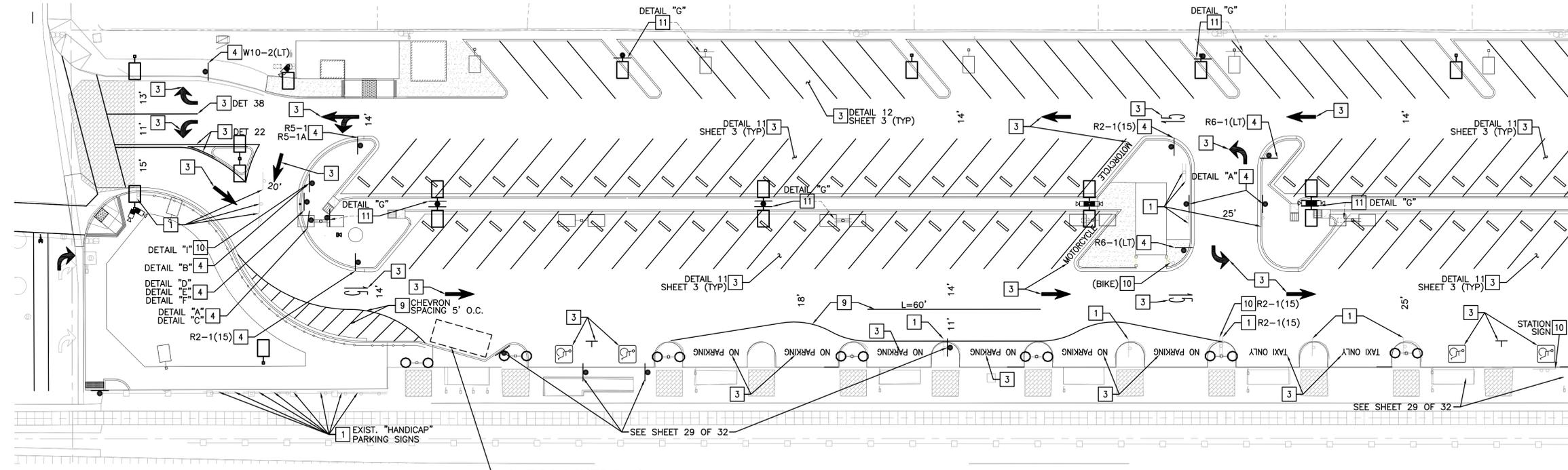
UNDER THE SUPERVISION OF:
JUAN M. DIAZ
RSE DATE

City Highway Local Development Air Structures Water Transport Transportation

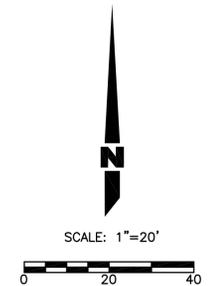
DATE	7/31/13	SUBMITTED	CITY ENGINEER	SHEET NO.	
SCALE	AS SHOWN	DATE		7 OF 32	
DESIGN	DS	APPROVED	KALIEH HOUSH INTERIM DIRECTOR OF PUBLIC WORKS	PROJECT NO.	T-0814B
DRAWN	WL / DP	CHECKED	SI	DATE	HPLUL-5118(016)

December 05, 2013 2:21:18pm P:\2012\Active\2012_0663\000\1.00 Covina Pedestrian Improvements at Covina Metrolink Station\Station\01206301\01.dwg by RShaw on JMD018

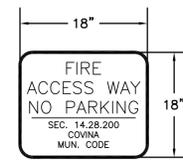
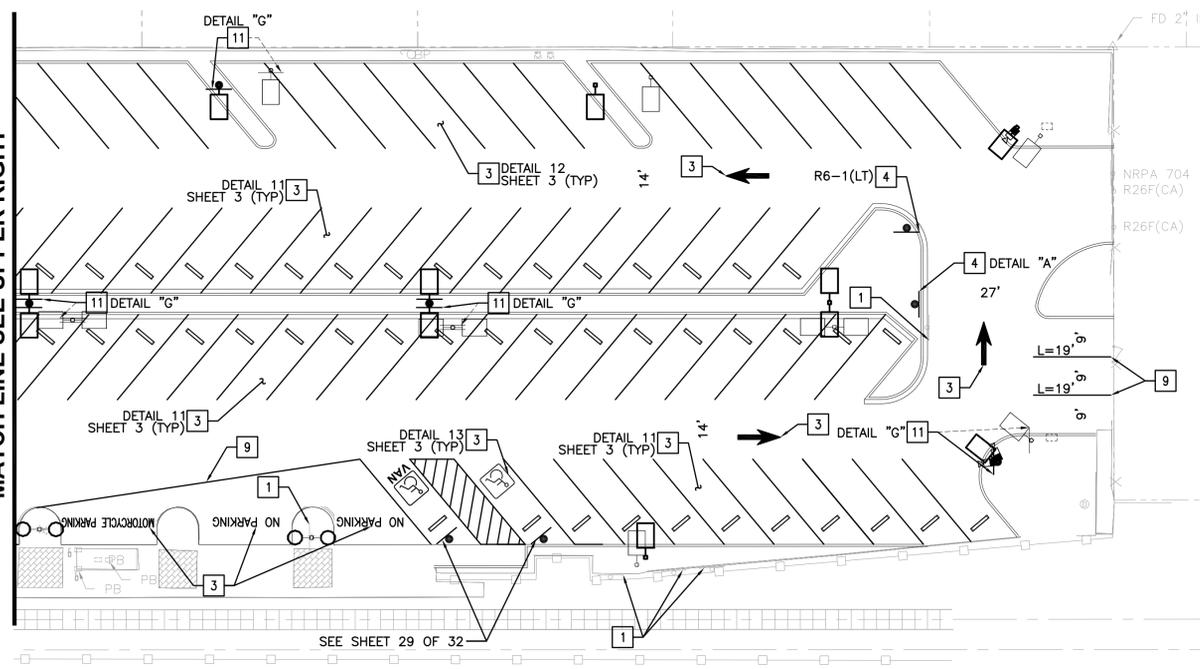
CITRUS AVENUE



MATCH LINE SEE BOTTOM LEFT



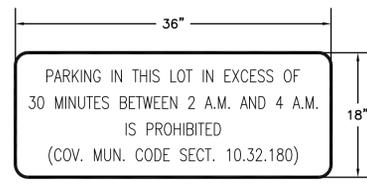
MATCH LINE SEE UPPER RIGHT



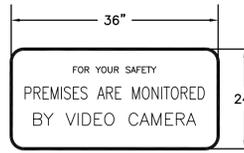
DETAIL 'A'
NTS



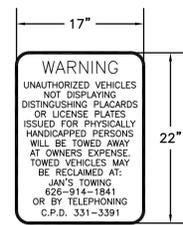
DETAIL 'B'
NTS



DETAIL 'C'
NTS



DETAIL 'D'
NTS



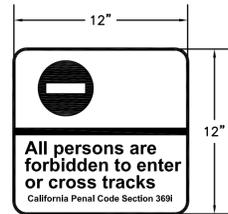
DETAIL 'E'
NTS



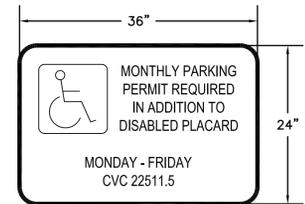
DETAIL 'F'
NTS



DETAIL 'G'
NTS



DETAIL 'H'
NTS



DETAIL 'I'
NTS

SIGNING AND STRIPING CONSTRUCTION NOTES:

- 1 REMOVE EXISTING SIGN AND/OR POST AS SHOWN
- 2 REMOVE CONFLICTING STRIPING
- 3 INSTALL STRIPING DETAIL AND/OR PAVEMENT MARKING AS SHOWN
- 4 INSTALL SIGN AND POST AS INDICATED
- 5 PAINT 12" WHITE CROSSWALK OR LIMIT LINE. CROSSWALK SHALL BE 10' INSIDE UNLESS SHOWN OTHERWISE
- 6 PAINT MEDIAN NOSE YELLOW
- 7 REPLACE EXISTING R32 SIGN WITH NEW R26 (CA) SIGN
- 8 RELOCATE SIGN(S) AND/OR POST(S) TO NEW LOCATION SHOWN
- 9 PAINT 4" SOLID WHITE STRIPE
- 10 PROTECT IN PLACE
- 11 RELOCATED SIGN ON LIGHT POLE

LEGEND

- PROPOSED STRIPING & MARKING
- EXISTING SIGN TO REMAIN, UNLESS OTHERWISE NOTED
- PROPOSED SIGN
- EXISTING LIGHT POLE (SEE LIGHTING PLAN)
- RELOCATED LIGHT POLE (SEE LIGHTING PLAN)
- RELOCATED LIGHT POLE WITH SIGN (SEE LIGHTING PLAN)

SIGNING AND STRIPING GENERAL NOTES:

1. SIGNING AND STRIPING AND THE INSTALLATION THEREOF SHALL CONFORM TO CALTRANS STANDARD PLANS AND SPECIFICATIONS DATED 2010, THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CALIFORNIA MUTCD) DATED 2012, THIS PLAN AND THE SPECIAL PROVISIONS.
2. ALL STRIPING, MARKINGS AND LEGENDS SHALL BE PAINT, TWO COATS.

**100% PLANS
NOT FOR CONSTRUCTION**

CITY OF COVINA

**PEDESTRIAN AND METROLINK
STATION IMPROVEMENTS
SIGNING AND STRIPING**

Plans Prepared by:

JMD
PLANNING ENGINEERING & MANAGEMENT

1945 East Gable Avenue, Suite 212
43815 Covina, CA 91710
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www.jmdinc.com

UNDER THE SUPERVISION OF:

JUAN M. DIAZ
REGISTERED PROFESSIONAL ENGINEER
No. 50813
CIVIL
STATE OF CALIFORNIA

City Highway Land Development Pl. Structures Traffic Transportation

JUAN M. DIAZ
RSE
DATE

DATE	7/31/13	SUBMITTED	CITY ENGINEER	SHEET NO.	8 OF 32
SCALE	AS SHOWN	DATE		PROJECT NO.	T-0814B
DESIGN	DS	APPROVED	KALIEH HOUSH INTERIM DIRECTOR OF PUBLIC WORKS	HPLUL-5118(016)	
DRAWN	WL / DP	CHECKED	SI	DATE	

December 05, 2013 11:22:09am P:\2012\Avalon\2012\0603\0001\00 Covina Pedestrian Improvements at Covina Metrolink Station\Gadall\2008\01\PP\02.dwg by RShore on JKD018

AWG SIZE OR CABLE TYPE		PHASE	POLE OR CIRCUIT	CONDUIT SIZE AND RUN						
				(E)	(E)	(E)	(E)	(E)	(E)	(E)
#14 CABLES	CONDUCTORS	POLE - A	1	1	1	1	1	1	1	1
			2	2	2	2	2	2	2	2
			3	3	3	3	3	3	3	3
			4	4	4	4	4	4	4	4
			5	5	5	5	5	5	5	5
			6	6	6	6	6	6	6	6
TOTAL CABLES-3 CONDUCT./12 CONDUCT.				1	1	1	1	1	1	1
#10	LIGHTING		2	2	2	2	2	2	2	
#12	ISNS		2	2	2	2	2	2		
#14 R&R PRE-EMPTION				1	1	1	1	1	1	
TYPE "B" DLC	1	LOOP LEAD-IN	1	1	1	1	1	1	1	
	2		1	1	1	1	1	1		
	3		1	1	1	1	1	1		
	4		1	1	1	1	1	1		
	5		1	1	1	1	1	1		
	6		1	1	1	1	1	1		
	7		1	1	1	1	1	1		
	8		1	1	1	1	1	1		
6PR #19 INTERCONNECT CABLE				1	1	1	1	1	1	
TOTAL CONDUCTORS/CABLES				3	8	13	14	11	4	

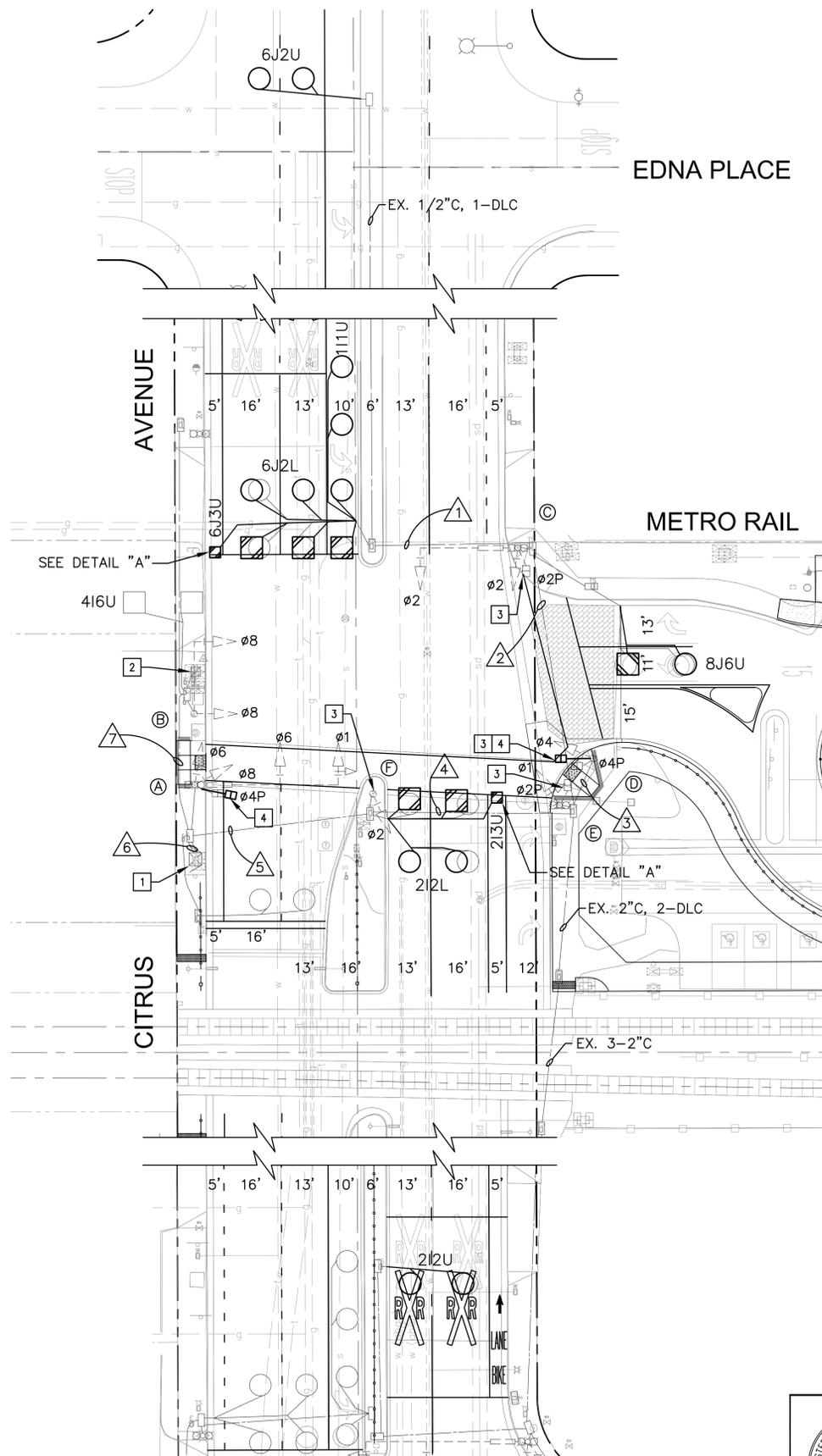
ALL CONDUIT & CONDUCTORS/CABLES ARE NEW UNLESS OTHERWISE NOTED:
(E) = EXISTING

TRAFFIC SIGNAL GENERAL NOTES:

- TRAFFIC SIGNAL AND HIGHWAY LIGHTING EQUIPMENT, MATERIALS AND THE INSTALLATION THEREOF SHALL CONFORM TO CALTRANS STANDARD PLANS AND SPECIFICATIONS DATED 2010. THESE PLANS AND THE SPECIAL PROVISIONS.
- ALL VEHICLE INDICATIONS SHALL BE 12" LED RED, LED YELLOW AND LED GREEN, PER THE SPECIAL PROVISIONS.
- ALL PEDESTRIAN INDICATIONS SHALL BE COUNTDOWN TYPE A LED HAND AND LED MAN PER CALTRANS APPROVED SPECIFICATIONS.
- ALL CONDUIT SHALL BE MIN. 2" RIGID METAL AND PULL BOXES SHALL BE #5, UNLESS SHOWN OTHERWISE.
- THE CONTRACTOR SHALL EXERCISE EXTREME CARE TO AVOID DAMAGING EXISTING UTILITIES BY LOCATING ALL SUBSTRUCTURES PRIOR TO CONSTRUCTION. HAND DIG FOUNDATIONS UNTIL CLEAR OF OBSTRUCTION. COORDINATE POLE INSTALLATION WITH OVERHEAD UTILITY AND SUBSTRUCTURE OWNERS. CONTACT UNDERGROUND SERVICE ALERT AT (800) 422-4133, 48 HOURS PRIOR TO CONSTRUCTION.
- CONDUCTOR SCHEDULE IS PROVIDED AS AN INSTALLATION GUIDELINE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE THE CORRECT CONDUCTORS REQUIRED FOR THE INTENDED OPERATION.
- COORDINATE ELECTRICAL SERVICE DETAIL AND SCHEDULING WITH SOUTHERN CALIFORNIA EDISON. CONTACT KELLY WINSLOW AT (909) 592-3717.
- ALL WIRING SHALL BE MARKED (TAGGED) WITHIN THE CONTROLLER CABINET FOR PHASE IDENTIFICATION.
- ANY MODIFICATIONS OF OR CHANGES TO APPROVED PLANS MUST BE APPROVED BY THE ENGINEER.
- LOCATION OF ALL UNDERGROUND FACILITIES ARE APPROXIMATE. THE CONTRACTOR SHALL POTHOLE TO DETERMINE THE EXACT LOCATIONS AND VERIFY ALL CONDITIONS ON THE JOB SITE.
- PEDESTRIAN PUSH BUTTONS SHALL BE ADA COMPLIANT AND LOCATED ON THE SIDE OF SIGNAL STANDARD NEAREST TO THE CROSSWALK.
- EXCEPT AS OTHERWISE NOTED, INDUCTIVE LOOPS SHALL BE 6" DIAMETER TYPE "E" AND CENTERED IN TRAVEL LANE WITH 10' SPACING BETWEEN LOOPS. PLACE LIMIT LINE LOOPS 2' INTO THE CROSSWALK, OR LIMIT LINE IF NO CROSSWALK, UNLESS OTHERWISE SHOWN. NEW STRIPING SHALL BE LOCATED PRIOR TO POSITIONING LOOPS.

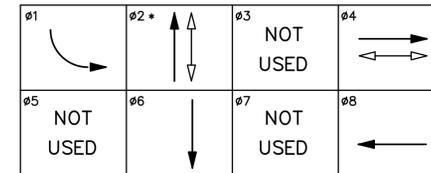
TRAFFIC SIGNAL CONSTRUCTION NOTES:

- EXISTING TYPE 170 CONTROLLER IN MODEL 332 CABINET COMPLETE WITH LACO IR. MODIFY AND PROVIDE MISCELLANEOUS AUXILIARY EQUIPMENT AS REQUIRED TO PROVIDE THE OPERATION SHOWN.
- EXISTING 120/240V TYPE III-BF SERVICE WITH 100 AMP MAIN BREAKER, 50 AMP METERED SIGNAL BREAKER AND 30 AMP UNMETERED LIGHTING BREAKER AND PHOTOELECTRIC UNIT. MODIFY AND PROVIDE MISCELLANEOUS AUXILIARY EQUIPMENT AS REQUIRED TO PROVIDE THE OPERATION SHOWN.
- REMOVE EXISTING PED PUSHBUTTON AND INSTALL NEW ADA COMPLIANT PED PUSHBUTTON.
- REMOVE EXISTING PEDESTRIAN INDICATION AND INSTALL NEW COUNTDOWN PEDESTRIAN INDICATION.

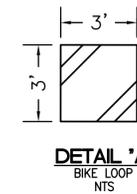


No.	POLE AND EQUIPMENT SCHEDULE									
	POLE DATA TYPE	SIGNAL M.A.	HPSV LUMINAIRE M.A.	WATTS	SIGNAL HEADS AND MOUNTINGS M.A.	VEHICULAR	PEDESTRIAN	PED. PUSH BUTTON PHASE	REFLECTIVE STREET NAME SIGN (dbl. face)	REMARKS
Ⓐ	27-4-70*	40'	15'	2-150W	-	SV-2-TA	SP-1-T	4	Metro Rail	
Ⓑ	16-2-70	20'	-	-	-	SV-1-T	-	-	Citrus Ave	
Ⓒ	18-2-70	25'	15'	2-150W	MAS	SV-1-T	SP-1-T	2(N)	Metro Rail	
Ⓓ	1-A *	-	-	-	-	TV-1	SP-1-T	2(N)	-	
Ⓔ	1-A	-	-	2-150W	-	SV-1-T	SP-1-T	4(N)	-	
Ⓕ	1-A	-	-	-	-	TV-1	-	4(N)	-	

ALL POLES & EQUIPMENT ARE EXISTING UNLESS OTHERWISE NOTED:
(N) = NEW
* INSTALL NEW COUNTDOWN PEDESTRIAN HEAD



(*) = RAILROAD PRE-EMPTION TRACK CLEARANCE PHASE



DETAIL 'A'
BIKE LOOP
NTS

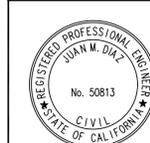


**100% PLANS
NOT FOR CONSTRUCTION**

CITY OF COVINA

**PEDESTRIAN AND METROLINK
STATION IMPROVEMENTS
TRAFFIC SIGNAL MODIFICATION PLAN**

DATE	7/31/13	SUBMITTED	CITY ENGINEER	SHEET NO.	9 OF 32
SCALE	AS SHOWN	DATE		PROJECT NO.	T-0814B
DESIGN	DS	APPROVED	KALIEH HOUSH INTERIM DIRECTOR OF PUBLIC WORKS		HPLUL-5118(016)
DRAWN	WL / DP	CHECKED	SI	DATE	



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www.jmd.com

Civil
Highways
Land Development
P&E
Structures
Water
Transportation

UNDER THE SUPERVISION OF:
JUAN M. DIAZ
P.E.
DATE

AWG SIZE OR CABLE TYPE		PHASE	POLE OR CIRCUIT	CONDUIT SIZE AND RUN									
				(E)	(E)	2.5	2.5	2.5	2.5	(E)	(E)		
#14 CABLES	CONDUCTORS	POLE - A	B	-	-	-	-	-	-	-	-	-	-
			C	-	-	-	-	-	-	-	-	-	-
			D	-	-	-	-	-	-	-	-	-	-
			E	1	1	1	1	1	1	1	1	1	1
			F	-	-	-	-	-	-	-	-	-	-
				-	-	-	-	-	-	-	-	-	-
TOTAL CABLES-3 CONDUCT./12 CONDUCT.				1	2	2	2	2	2	1	2	5	6
#10	LIGHTING		2	2	2	2	2	2	2	*	2	*	
#12	ISNS		2	2	2	2	2	2	2	*	*	*	
EVP CABLE				*	*	*	*	*	*	*	*	*	
TYPE "B" DLC	1	LOOP LEAD-IN		*	*	*	*	1	1	*	*	1	
	2		*	*	*	*	*	*	2	2	2		
	3		*	*	*	*	*	*	*	*	*		
	4		2	2	2	2	2	2	*	*	2		
	5		*	*	*	*	*	*	2	2	2		
	6		*	*	2	2	2	*	*	*	2		
	7		*	*	*	*	*	*	*	*	*		
	8		*	*	*	*	*	*	*	*	2		
INTERCONNECT CABLE 6PR #19				-	-	-	-	-	-	-	-	1	
TOTAL CONDUCTORS/CABLES				6	6	8	9	9	4	6	12		

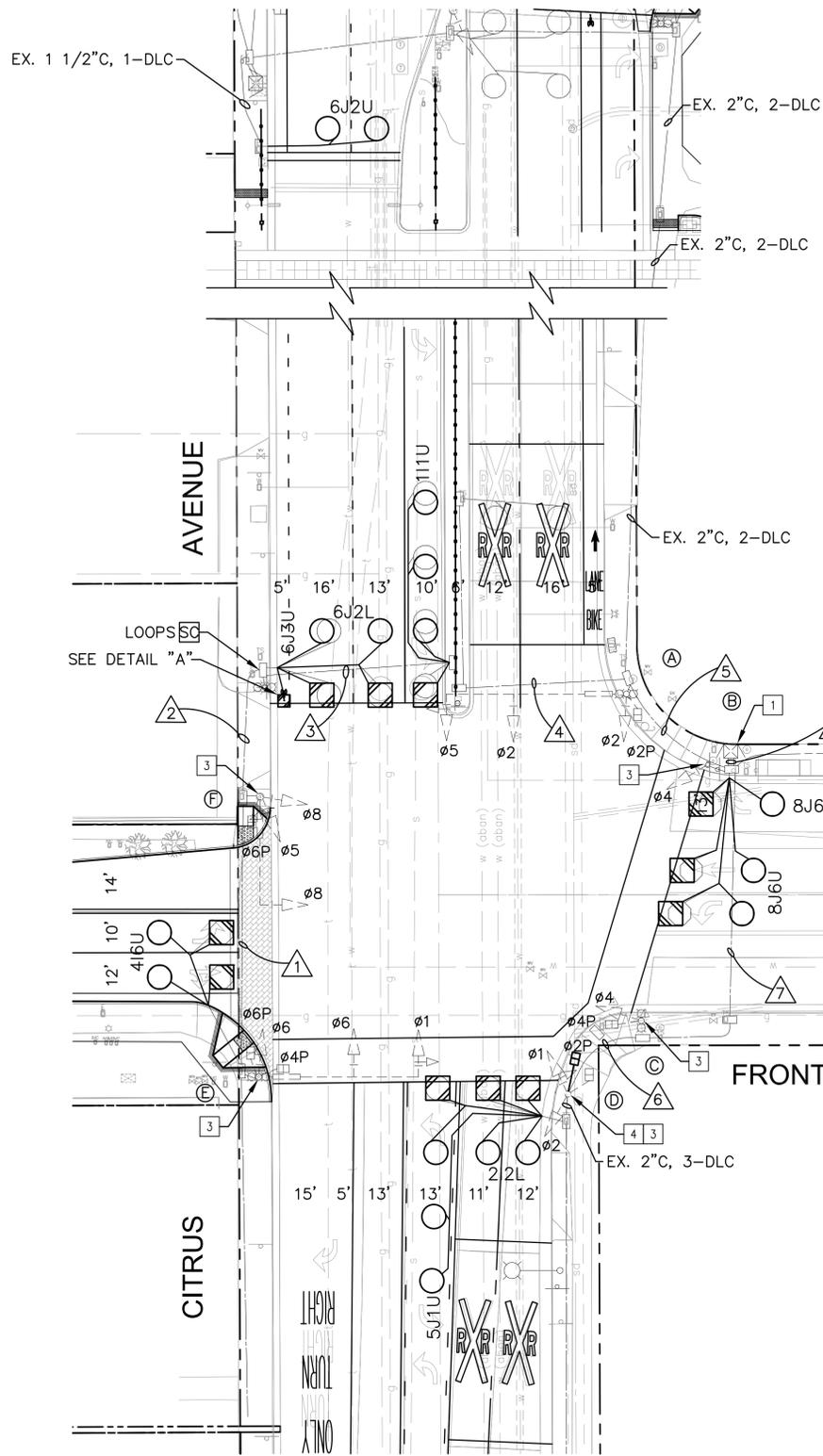
ALL CONDUIT & CONDUCTORS/CABLES ARE NEW UNLESS OTHERWISE NOTED:
(E) = EXISTING

TRAFFIC SIGNAL GENERAL NOTES:

- TRAFFIC SIGNAL AND HIGHWAY LIGHTING EQUIPMENT, MATERIALS AND THE INSTALLATION THEREOF SHALL CONFORM TO CALTRANS STANDARD PLANS AND SPECIFICATIONS DATED 2010, THESE PLANS AND THE SPECIAL PROVISIONS.
- ALL VEHICLE INDICATIONS SHALL BE 12" LED RED, LED YELLOW AND LED GREEN, PER THE SPECIAL PROVISIONS.
- ALL PEDESTRIAN INDICATIONS SHALL BE COUNTDOWN TYPE A LED HAND AND LED MAN PER CALTRANS APPROVED SPECIFICATIONS.
- ALL CONDUIT SHALL BE MIN. 2" RIGID METAL AND PULL BOXES SHALL BE #5, UNLESS SHOWN OTHERWISE.
- THE CONTRACTOR SHALL EXERCISE EXTREME CARE TO AVOID DAMAGING EXISTING UTILITIES BY LOCATING ALL SUBSTRUCTURES PRIOR TO CONSTRUCTION. HAND DIG FOUNDATIONS UNTIL CLEAR OF OBSTRUCTION. COORDINATE POLE INSTALLATION WITH OVERHEAD UTILITY AND SUBSTRUCTURE OWNERS. CONTACT UNDERGROUND SERVICE ALERT AT (800) 422-4133, 48 HOURS PRIOR TO CONSTRUCTION.
- CONDUCTOR SCHEDULE IS PROVIDED AS AN INSTALLATION GUIDELINE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE THE CORRECT CONDUCTORS REQUIRED FOR THE INTENDED OPERATION.
- COORDINATE ELECTRICAL SERVICE DETAIL AND SCHEDULING WITH SOUTHERN CALIFORNIA EDISON. CONTACT KELLY WINSLOW AT (909) 592-3717.
- ALL WIRING SHALL BE MARKED (TAGGED) WITHIN THE CONTROLLER CABINET FOR PHASE IDENTIFICATION.
- ANY MODIFICATIONS OF OR CHANGES TO APPROVED PLANS MUST BE APPROVED BY THE ENGINEER.
- LOCATION OF ALL UNDERGROUND FACILITIES ARE APPROXIMATE. THE CONTRACTOR SHALL POTHOLE TO DETERMINE THE EXACT LOCATIONS AND VERIFY ALL CONDITIONS ON THE JOB SITE.
- PEDESTRIAN PUSH BUTTONS SHALL BE ADA COMPLIANT AND LOCATED ON THE SIDE OF SIGNAL STANDARD NEAREST TO THE CROSSWALK.
- EXCEPT AS OTHERWISE NOTED, INDUCTIVE LOOPS SHALL BE 6" DIAMETER TYPE "E" AND CENTERED IN TRAVEL LANE WITH 10' SPACING BETWEEN LOOPS. PLACE LIMIT LINE LOOPS 2' INTO THE CROSSWALK, OR LIMIT LINE IF NO CROSSWALK, UNLESS OTHERWISE SHOWN. NEW STRIPING SHALL BE LOCATED PRIOR TO POSITIONING LOOPS.

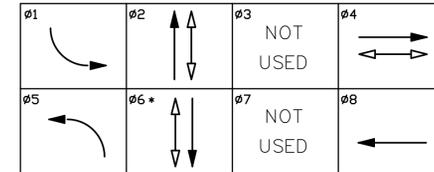
TRAFFIC SIGNAL CONSTRUCTION NOTES:

- EXISTING TYPE 170 CONTROLLER IN MODEL 332 CABINET COMPLETE WITH LACO IR. MODIFY AND PROVIDE MISCELLANEOUS AUXILIARY EQUIPMENT AS REQUIRED TO PROVIDE THE OPERATION SHOWN.
- EXISTING 120/240V TYPE III-BF SERVICE WITH 100 AMP MAIN BREAKER, 50 AMP METERED SIGNAL BREAKER AND 30 AMP UNMETERED LIGHTING BREAKER AND PHOTOELECTRIC UNIT. MODIFY AND PROVIDE MISCELLANEOUS AUXILIARY EQUIPMENT AS REQUIRED TO PROVIDE THE OPERATION SHOWN.
- REMOVE EXISTING PED PUSHBUTTON AND INSTALL NEW ADA COMPLIANT PED PUSHBUTTON.
- REMOVE EXISTING PEDESTRIAN INDICATION AND INSTALL NEW COUNTDOWN PEDESTRIAN INDICATION.

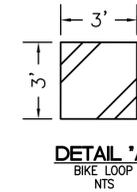


No.	POLE AND EQUIPMENT SCHEDULE										REMARKS
	POLE DATA TYPE	SIGNAL M.A.	HPSV LUMINAIRE M.A.	WATTS	SIGNAL HEADS AND MOUNTINGS M.A.	VEHICULAR	PEDESTRIAN	PED. PUSH BUTTON TYPE	QUAD	REFLECTIVE STREET NAME SIGN (dbl. face)	
A	17-4-70	45'	-	2-150W	2-MAS	SV-1-T	SP-1-T	-	-	Front St	
B	1-A	-	-	-	-	TV-1	SP-1-T	-	2(N)	W	
C	1-A	-	-	2-150W	-	SV-1-T	-	-	2(N)	W	
D	1-A*	-	-	-	-	TV-1	SP-1-T	-	4(N)	N	
E	27-4-70	40'	-	2-150W	2-MAS	SV-1-T	-	-	4/6(N)	N/W	Front St
F	16-2-70	20'	-	2-150W	2-MAS	SV-2-T	SP-1-T	-	6	W	Citrus Ave

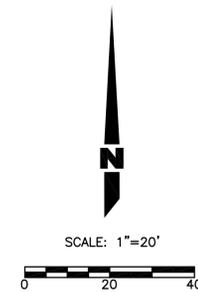
ALL POLES & EQUIPMENT ARE EXISTING UNLESS OTHERWISE NOTED:
(N) = NEW
* INSTALL NEW COUNTDOWN PEDESTRIAN HEAD



(*) = RAILROAD PRE-EMPTION TRACK CLEARANCE PHASE



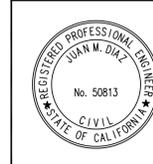
DETAIL "A"
BIKE LOOP
NTS



**100% PLANS
NOT FOR CONSTRUCTION**

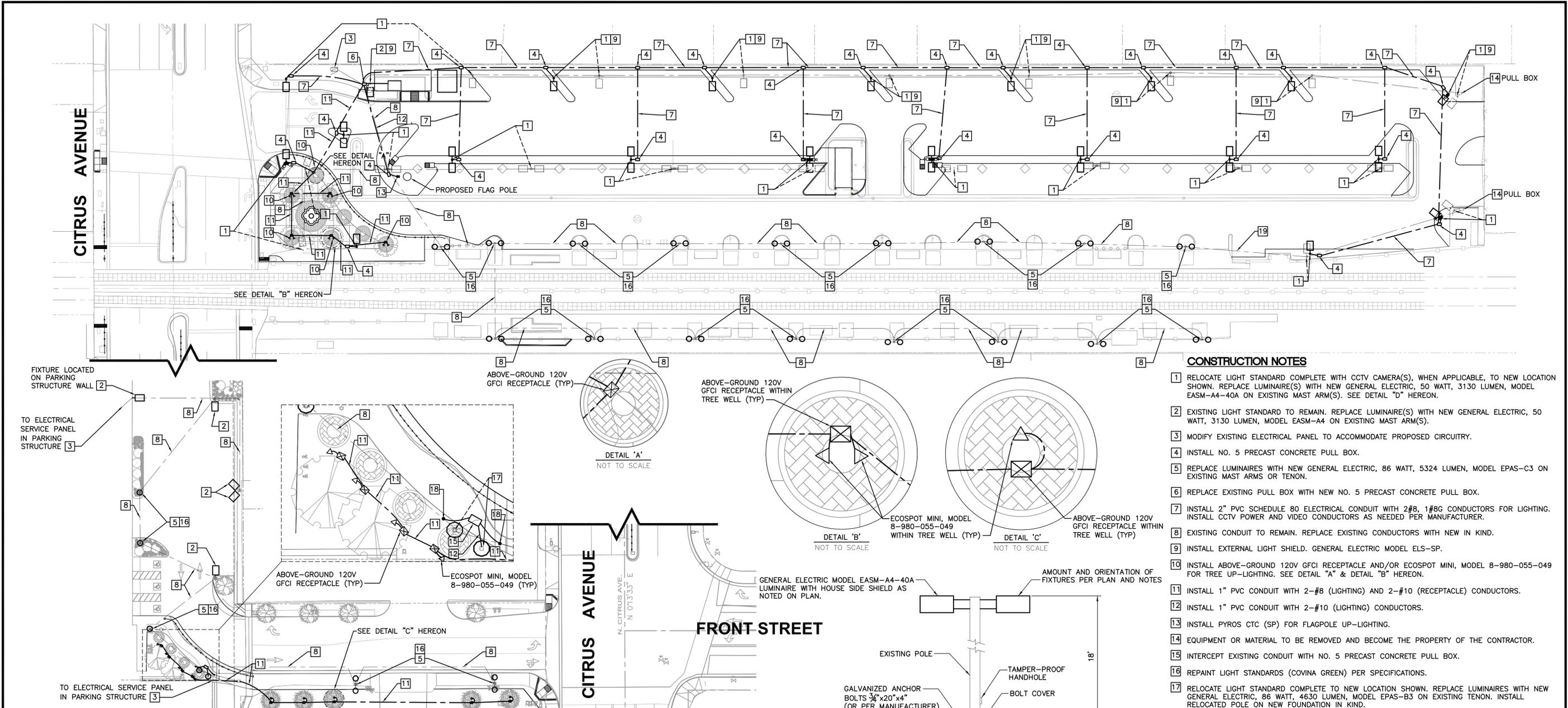
CITY OF COVINA

**PEDESTRIAN AND METROLINK
STATION IMPROVEMENTS
TRAFFIC SIGNAL MODIFICATION PLAN**



Plans Prepared by:
JMD
PLANNING | ENGINEERING | MANAGEMENT
18645 East Cobb Avenue, Suite 212
Covina, CA 91724
(909) 854-1111
www.jmd.com

DATE	7/31/13	SUBMITTED	CITY ENGINEER	SHEET NO.	10 OF 32
SCALE	AS SHOWN	DATE		PROJECT NO.	T-0814B
DESIGN	DS	APPROVED	KALIEH HOUSH INTERIM DIRECTOR OF PUBLIC WORKS	PROJECT NO.	HPLUL-5118(016)
DRAWN	WL / DP	CHECKED	SI	DATE	

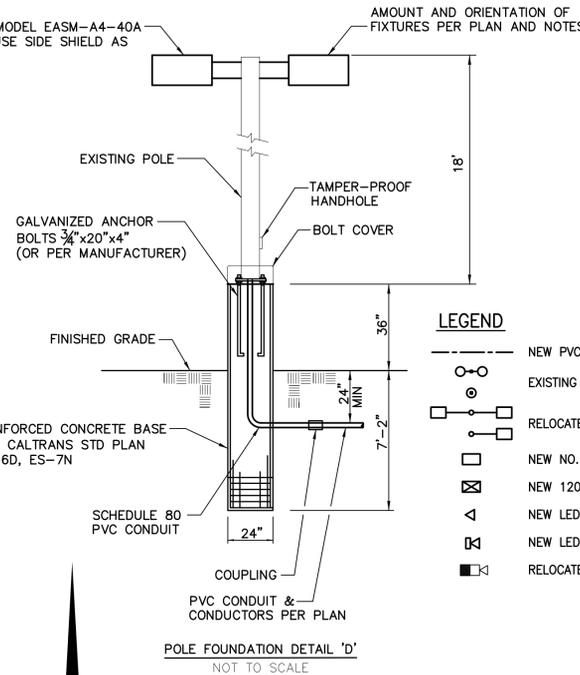
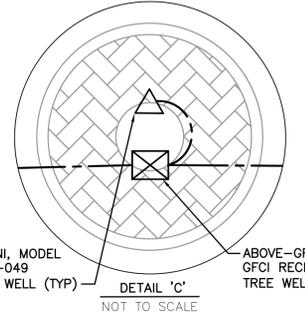
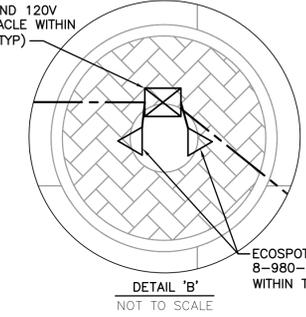


CONSTRUCTION NOTES

- 1 RELOCATE LIGHT STANDARD COMPLETE WITH CCTV CAMERA(S), WHEN APPLICABLE, TO NEW LOCATION SHOWN. REPLACE LUMINAIRE(S) WITH NEW GENERAL ELECTRIC, 50 WATT, 3130 LUMEN, MODEL EASM-A4-40A ON EXISTING MAST ARM(S). SEE DETAIL "D" HEREON.
- 2 EXISTING LIGHT STANDARD TO REMAIN. REPLACE LUMINAIRE(S) WITH NEW GENERAL ELECTRIC, 50 WATT, 3130 LUMEN, MODEL EASM-A4 ON EXISTING MAST ARM(S).
- 3 MODIFY EXISTING ELECTRICAL PANEL TO ACCOMMODATE PROPOSED CIRCUITRY.
- 4 INSTALL NO. 5 PRECAST CONCRETE PULL BOX.
- 5 REPLACE LUMINAIRES WITH NEW GENERAL ELECTRIC, 86 WATT, 5324 LUMEN, MODEL EPAS-C3 ON EXISTING MAST ARMS OR TENON.
- 6 REPLACE EXISTING PULL BOX WITH NEW NO. 5 PRECAST CONCRETE PULL BOX.
- 7 INSTALL 2" PVC SCHEDULE 80 ELECTRICAL CONDUIT WITH 2#8, 1#8G CONDUCTORS FOR LIGHTING. INSTALL CCTV POWER AND VIDEO CONDUCTORS AS NEEDED PER MANUFACTURER.
- 8 EXISTING CONDUIT TO REMAIN. REPLACE EXISTING CONDUCTORS WITH NEW IN KIND.
- 9 INSTALL EXTERNAL LIGHT SHIELD. GENERAL ELECTRIC MODEL ELS-SP.
- 10 INSTALL ABOVE-GROUND 120V GFCI RECEPTACLE AND/OR ECOSPOT MINI, MODEL 8-980-055-049 FOR TREE UP-LIGHTING. SEE DETAIL "A" & DETAIL "B" HEREON.
- 11 INSTALL 1" PVC CONDUIT WITH 2-#8 (LIGHTING) AND 2-#10 (RECEPTACLE) CONDUCTORS.
- 12 INSTALL 1" PVC CONDUIT WITH 2-#10 (LIGHTING) CONDUCTORS.
- 13 INSTALL PYROS CTC (SP) FOR FLAGPOLE UP-LIGHTING.
- 14 EQUIPMENT OR MATERIAL TO BE REMOVED AND BECOME THE PROPERTY OF THE CONTRACTOR.
- 15 INTERCEPT EXISTING CONDUIT WITH NO. 5 PRECAST CONCRETE PULL BOX.
- 16 REPAINT LIGHT STANDARDS (COVINA GREEN) PER SPECIFICATIONS.
- 17 RELOCATE LIGHT STANDARD COMPLETE TO NEW LOCATION SHOWN. REPLACE LUMINAIRES WITH NEW GENERAL ELECTRIC, 86 WATT, 4630 LUMEN, MODEL EPAS-B3 ON EXISTING TENON. INSTALL RELOCATED POLE ON NEW FOUNDATION IN KIND.
- 18 INTERCEPT EXISTING CONDUIT WITH NEW 1" PVC CONDUIT. REPLACE EXISTING CONDUCTORS WITH NEW IN KIND.
- 19 ABANDON CONDUIT. REMOVE CONDUCTORS.

GENERAL NOTES

1. ALL WORK NECESSARY FOR THE COMPLETION OF THIS CONTRACT SHALL BE DONE IN ACCORDANCE WITH THESE PROVISIONS; THE PROJECT PLANS, INCLUDING DETAILS; THE SPECIAL PROVISIONS; STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (2012 EDITION), INCLUDING SUPPLEMENTS; AND CALTRANS STANDARD SPECIFICATIONS (LATEST EDITION).
2. ALL ELECTRICAL WORK SHALL COMPLY WITH THE LATEST AMENDED EDITION OF THE NATIONAL ELECTRICAL CODE, ALL STATE AND LOCAL CODES.
3. ALL CONDUITS, UNLESS OTHERWISE SHOWN, SHALL BE INSTALLED BY BORING OR TRENCHING METHODS AS APPROVED BY THE ENGINEER.
4. SPLICES SHALL BE MADE IN PULL BOXES BY MEANS OF END-TO-END CRIMP TYPE CONNECTORS OR EQUAL, MULTIPLE WIRE SPLICES SHALL CONFORM TO T&B MFG. SPECIFICATIONS.
5. CONDUIT ENDS SHALL BE SEALED WITH DUCTSEAL OR APPROVED EQUAL.
6. PULL BOXES SHALL BE NO. 5 UNLESS OTHERWISE NOTED.
7. EXISTING FOUNDATIONS TO BE REUSED SHALL HAVE ENTIRE GROUT CAP REMOVED, AND FOUNDATION CHIPPED OR CORE DRILLED FOR NEW 1" PVC CONDUIT FROM ADJACENT PULL BOX TO POLE BASE, BACKFILLED W/ CONCRETE CEMENT, NEW GROUT INSTALLED, AND SURFACE RESTORED TO MATCH ADJACENT AREA.
8. EXISTING SIGN(S) SHALL BE RELOCATED FROM EXISTING STREET LIGHT STANDARDS TO NEW STREET LIGHT STANDARDS OR POSTS, UNLESS OTHERWISE NOTED, USING NEW CITY APPROVED STAINLESS STEEL BANDS AND COUPLINGS, AS DIRECTED BY THE ENGINEER. IF NECESSARY, TEMPORARY STREET NAME SIGNS ARE TO BE INSTALLED BY THE CONTRACTOR. CONTRACTOR SHALL PROVIDE TEMPORARY SIGNS AS DIRECTED BY THE ENGINEER.
9. PROTECT EXISTING SURVEY MARKERS IN PLACE AS DIRECTED BY THE ENGINEER.
10. CONTRACTOR SHALL NOTIFY THE CITY ELECTRICIAN AND CITY IRRIGATION INSPECTORS AT LEAST 48 HOURS IN ADVANCE OF ANY ELECTRICAL WORK AND PRIOR TO ANY REQUIRED INSPECTION.
11. WHERE SIDEWALK REPAIR IS REQUIRED RESULTING FROM CONTRACTOR'S OPERATIONS FOR LIGHTING WORK INCLUDING UTILITY POTHOLING AND BORING PITS, THE ENTIRE PANEL (TO NEAREST JOINT) OF SIDEWALK SHALL BE REPLACED IN KIND AND THE COST FOR SUCH WORK SHALL BE INCLUDED IN THE BID PRICES FOR LIGHTING WORK AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED THEREFOR. NO SIDEWALK PANEL REPLACEMENT SHALL BE SMALLER THAN 5 FEET WIDE.
12. ALL NECESSARY PAVING REPAIRS TO RESTORE SURFACES TO MATCH ADJACENT AREAS SHALL BE INCLUDED IN THE BID PRICES FOR LIGHTING WORK AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED. TRENCHES RESULTING IN PAVEMENT WIDTH OF 5' OR LESS SHALL BE REMOVED TO EDGE OF GUTTER OR PAVEMENT JOINT. ALL TRENCH PATCHING SHALL BE ACCOMPLISHED WITHIN EACH STREET/SIDEWALK WITHIN 5 DAYS OF COMPLETION OF WORK WITHIN THAT STREET/SIDEWALK. TRENCHING SHALL ONLY BE ALLOWED IF APPROVED BY THE ENGINEER. ALL EXISTING SUBSTRUCTURES SHOWN ON PLANS ARE BASED ON AVAILABLE RECORDS.
13. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT UNDERGROUND SERVICE ALERT FOR ACCURACY AND COMPLETENESS OF ALL SUBSTRUCTURES.
14. EXISTING CONDUIT NOT SHOWN FOR RE-USE SHALL BE ABANDONED AND CONDUCTORS REMOVED.
15. CONTRACTOR MAINTENANCE OF CIRCUITS - UPON COMMENCEMENT OF WORK, CONTRACTOR SHALL MAINTAIN EXISTING CIRCUITS AND SHALL REPAIR/REPLACE ANY DAMAGED EQUIPMENT WITHIN 24 HOURS.
16. CONTRACTOR SHALL SUBMIT AND COMPLY WITH A "SCHEDULE OF WORK" PLAN INDICATING THE WORK SCHEDULE AND LOCATIONS OF WORK FOR THE ENTIRE PROJECT. ANY REVISIONS TO THE SCHEDULE SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL 48 HOURS PRIOR TO COMMENCEMENT OF WORK.
17. ALL EXISTING POLES AND EQUIPMENT SHOWN ON PLANS FOR REUSE SHALL BE PROTECTED IN PLACE OR AS DIRECTED BY THE ENGINEER.
18. CONTRACTOR'S STAFF SHALL HAVE A VALID "CALIFORNIA ELECTRICIAN CERTIFICATION" IN POSSESSION AT ALL TIMES.
19. ALL DOUBLE FUSEHOLDERS SHALL BE TRON #HEX-AA OR APPROVED EQUAL AND INSTALLED FOR EACH LAMP ON THE CIRCUIT.
20. ALL EXISTING CURBS, LANDSCAPING AND IRRIGATION SHALL BE PROTECTED IN PLACE. ANY WORK WHICH AFFECTS THESE ITEMS SHALL BE REPLACED PER CITY REQUIREMENTS.
21. PRIOR TO COMMENCING ANY WORK, CONTRACTOR SHALL HAVE ALL MATERIAL SUBMITTALS ACCEPTED AND APPROVED BY THE ENGINEER.



LEGEND

- NEW PVC SCHEDULE 80 ELECTRICAL CONDUIT WITH CONDUCTORS AS NOTED
- EXISTING LIGHT STANDARD TO REMAIN UNLESS OTHERWISE NOTED
- RELOCATED ELECTROLIER TO BE INSTALLED ON NEW FOUNDATION PER DETAIL "D" HEREON
- ▣ NEW NO. 5 PRECAST CONCRETE PULL BOX WITH H2O LOADING
- ⊠ NEW 120V GFCI RECEPTACLE
- ◁ NEW LED TREE UPLIGHT
- ⊠ NEW LED FLAGPOLE UPLIGHT
- ◻ RELOCATED CCTV CAMERA

**100% PLANS
NOT FOR CONSTRUCTION**

CITY OF COVINA
**PEDESTRIAN AND METROLINK
STATION IMPROVEMENTS
SITE LIGHTING PLAN**

DATE	7/31/13	SUBMITTED	CITY ENGINEER	SHEET NO.	11 OF 32
SCALE	AS SHOWN	DATE		PROJECT NO.	T-0814B
DESIGN	DS	APPROVED	KALIEH HOUSH INTERIM DIRECTOR OF PUBLIC WORKS	HPLUL-5118(10/6)	
DRAWN	WL/DP	CHECKED	SI	DATE	

Plans Prepared by:

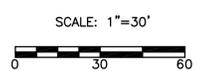
JMD
PLANNING ENGINEERING & MANAGEMENT

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951-261-1111 Fax
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www.jmd.com

UNDER THE SUPERVISION OF:

JUAN M. DIAZ
REGISTERED PROFESSIONAL ENGINEER
CIVIL
STATE OF CALIFORNIA
No. 50813

DATE



December 05, 2013 12:25pm P:\2012\Avalon\2012.005\0001.00 Covina Pedestrian Improvements at Covina Metrolink Station\Lighting\Lighting_Plan.dwg by RShee an .AMD:18

STORMWATER POLLUTION PREVENTION PLAN (SWPPP)/WET WEATHER EROSION CONTROL (WWECP) GENERAL NOTES

- IN CASE OF EMERGENCY, CALL _____ AT _____.
- A STAND-BY CREW FOR EMERGENCY WORK SHALL BE AVAILABLE AT ALL TIMES DURING THE RAINY SEASON (NOVEMBER 1 TO APRIL 15). NECESSARY MATERIALS SHALL BE AVAILABLE ON-SITE AND STOCKPILED AT CONVENIENT LOCATIONS TO FACILITATE RAPID CONSTRUCTION OF EMERGENCY DEVICES WHEN RAIN IS IMMINENT.
- EROSION CONTROL DEVICES SHOWN ON THIS PLAN MAY BE REMOVED WHEN APPROVED BY THE BUILDING OFFICIAL IF THE GRADING OPERATION HAS PROCEEDED TO THE POINT WHERE THEY ARE NO LONGER REQUIRED.
- GRADED AREAS ADJACENT TO FILL SLOPES LOCATED AT THE SITE PERIMETER MUST DRAIN AWAY FROM THE TOP OF SLOPE AT THE CONCLUSION OF EACH WORKING DAY. ALL LOOSE SOILS AND DEBRIS THAT MAY CREATE A POTENTIAL HAZARD TO OFF-SITE PROPERTY SHALL BE STABILIZED OR REMOVED FROM THE SITE ON A DAILY BASIS.
- ALL SILT AND DEBRIS SHALL BE REMOVED FROM ALL DEVICES WITHIN 24 HOURS AFTER EACH RAINSTORM AND BE DISPOSED OF PROPERLY.
- A GUARD SHALL BE POSTED ON THE SITE WHENEVER THE DEPTH OF WATER IN ANY DEVICE EXCEEDS TWO FEET. THE DEVICE SHALL BE DRAINED OR PUMPED DRY WITHIN 24 HOURS AFTER EACH RAINSTORM. PUMPING AND DRAINING OF ALL BASINS AND DRAINAGE DEVICES MUST COMPLY WITH THE APPROPRIATE BMP FOR DEWATERING OPERATIONS.
- THE PLACEMENT OF ADDITIONAL DEVICES TO REDUCE EROSION DAMAGE AND CONTAIN POLLUTANTS WITHIN THE SITE IS LEFT TO THE DISCRETION OF THE FIELD ENGINEER. ADDITIONAL DEVICES AS NEEDED SHALL BE INSTALLED TO RETAIN SEDIMENTS AND OTHER POLLUTANTS ON SITE.
- DESILTING BASINS MAY NOT BE REMOVED OR MADE INOPERABLE BETWEEN NOVEMBER 1 AND APRIL 15 OF THE FOLLOWING YEAR WITHOUT THE APPROVAL OF THE BUILDING OFFICIAL.
- STORM WATER POLLUTION AND EROSION CONTROL DEVICES ARE TO BE MODIFIED, AS NEEDED, AS THE PROJECT PROGRESSES. THE DESIGN AND PLACEMENT OF THESE DEVICES IS THE RESPONSIBILITY OF THE FIELD ENGINEER. PLANS REPRESENTING CHANGES MUST BE SUBMITTED FOR APPROVAL IF REQUESTED BY THE BUILDING OFFICIAL.
- EVERY EFFORT SHOULD BE MADE TO ELIMINATE THE DISCHARGE OF NON-STORMWATER FROM THE PROJECT SITES AT ALL TIMES.
- ERODED SEDIMENTS AND OTHER POLLUTANTS MUST BE RETAINED ON-SITE AND MAY NOT BE TRANSPORTED FROM THE SITE VIA SHEET FLOW, SWALES, AREA DRAINS, NATURAL DRAINAGE COURSES, OR WIND.
- STOCKPILES OF EARTH AND OTHER CONSTRUCTION-RELATED MATERIALS MUST BE PROTECTED FROM BEING TRANSPORTED FROM THE SITE BY THE FORCES OF WIND OR WATER.
- FUELS, OILS, SOLVENTS, AND OTHER TOXIC MATERIALS MUST BE STORED IN ACCORDANCE WITH THEIR LISTING AND ARE NOT TO CONTAMINATE THE SOILS AND SURFACE WATERS. ALL APPROVED STORAGE CONTAINERS ARE TO BE PROTECTED FROM THE WEATHER. SPILLS MUST BE CLEANED UP IMMEDIATELY AND DISPOSED OF IN A PROPER MANNER. SPILLS MAY NOT BE WASHED INTO THE DRAINAGE SYSTEM.
- EXCESS OR WASTE CONCRETE MAY NOT BE WASHED INTO THE PUBLIC WAY OR ANY OTHER DRAINAGE SYSTEM. PROVISIONS SHALL BE MADE TO RETAIN CONCRETE WASTES ON-SITE UNTIL THEY CAN BE DISPOSED OF AS SOLID WASTE.
- DEVELOPERS/CONTRACTORS ARE RESPONSIBLE TO INSPECT AND VERIFY ALL EROSION CONTROL DEVICES AND BMP'S ARE INSTALLED AND FUNCTIONING PROPERLY IF THERE IS A 40% CHANCE OF 0.25 INCHES OR GREATER OF PREDICTED PRECIPITATION, AND AFTER ACTUAL PRECIPITATION. A CONSTRUCTION SITE INSPECTION CHECKLIST AND INSPECTION LOG SHALL BE MAINTAINED AT THE PROJECT SITE AT ALL TIMES AND AVAILABLE FOR REVIEW BY THE BUILDING OFFICIAL (COPIES OF THE SELF-INSPECTION CHECK LIST AND INSPECTION LOGS ARE AVAILABLE UPON REQUEST).
- TRASH AND CONSTRUCTION-RELATED SOLID WASTES MUST BE DEPOSITED INTO A COVERED RECEPTACLE TO PREVENT CONTAMINATION OF RAINWATER AND DISPERSAL BY WIND.
- SEDIMENTS AND OTHER MATERIALS MAY NOT BE TRACKED FROM THE SITE BY VEHICLE TRAFFIC. THE CONSTRUCTION ENTRANCE ROADWAYS MUST BE STABILIZED SO AS TO INHIBIT SEDIMENTS FROM BEING DEPOSITED INTO THE PUBLIC WAY. ACCIDENTAL DEPOSITIONS MUST BE SWEEPED UP IMMEDIATELY AND MAY NOT BE WASHED DOWN BY RAIN OR OTHER MEANS.
- ANY SLOPES WITH DISTURBED SOILS OR DENuded OF VEGETATION MUST BE STABILIZED SO AS TO INHIBIT EROSION BY WIND AND WATER.
- AS THE ARCHITECT/ENGINEER OF RECORD, I HAVE SELECTED APPROPRIATE BMP'S TO EFFECTIVELY MINIMIZE THE NEGATIVE IMPACTS OF THIS PROJECT'S CONSTRUCTION ACTIVITIES ON STORMWATER QUALITY. THE PROJECT OWNER AND CONTRACTOR ARE AWARE THAT THE SELECTED BMP'S MUST BE INSTALLED, MONITORED, AND MAINTAINED TO ENSURE THEIR EFFECTIVENESS. THE BMP'S NOT SELECTED FOR IMPLEMENTATION ARE REDUNDANT OR DEEMED NOT APPLICABLE TO THE PROPOSED CONSTRUCTION ACTIVITY."

CIVIL ENGINEER/ARCHITECT SIGNATURE _____ DATE _____

20. THE FOLLOWING NOTES MUST BE ON THE PLAN (OR SUBMITTED AS A SEPARATE DOCUMENT - PRIOR TO PLAN APPROVAL).
 AS THE PROJECT OWNER OR AUTHORIZED AGENT OF THE OWNER, I HAVE READ AND UNDERSTAND THE REQUIREMENTS TO CONTROL STORMWATER POLLUTION FROM SEDIMENTS, EROSION, AND CONSTRUCTION MATERIALS, AND I CERTIFY THAT I WILL COMPLY WITH THESE REQUIREMENTS. I, OR MY REPRESENTATIVE, CONTRACTOR, DEVELOPER, OR ENGINEER WILL MAKE CERTAIN THAT ALL BMP SHOWN ON THIS PLAN WILL BE FULLY IMPLEMENTED, AND ALL EROSION CONTROL DEVICES WILL BE KEPT CLEAN AND FUNCTIONING. PERIODIC INSPECTIONS OF THE BMP'S WILL BE CONDUCTED AND A CURRENT LOG, SPECIFYING THE EXACT NATURE OF THE INSPECTION AND ANY REMEDIAL MEASURES, WILL BE KEPT AT THE CONSTRUCTION SITE AT ALL TIMES AND WILL BE AVAILABLE FOR THE REVIEW BY THE BUILDING OFFICIAL. AS THE PROJECT OWNER OR AUTHORIZED AGENT OF THE OWNER, I CERTIFY THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE INFORMATION SUBMITTED IS TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT SUBMITTING FALSE AND/OR INACCURATE INFORMATION, FAILING TO UPDATE THE LOCAL SWPPP TO REFLECT CURRENT CONDITIONS, OR FAILING TO PROPERLY AND/OR ADEQUATELY IMPLEMENT THE LOCAL SWPPP MAY RESULT IN REVOCATION OF GRADING AND/OR OTHER PERMITS OR OTHER SANCTIONS PROVIDED BY LAW."

OWNER OR AUTHORIZED REPRESENTATIVE (PERMITEE) _____ DATE _____

STORMWATER POLLUTION PREVENTION PLAN NOTES (ATTACHMENTS A AND B)

ATTACHMENT "A" NOTES

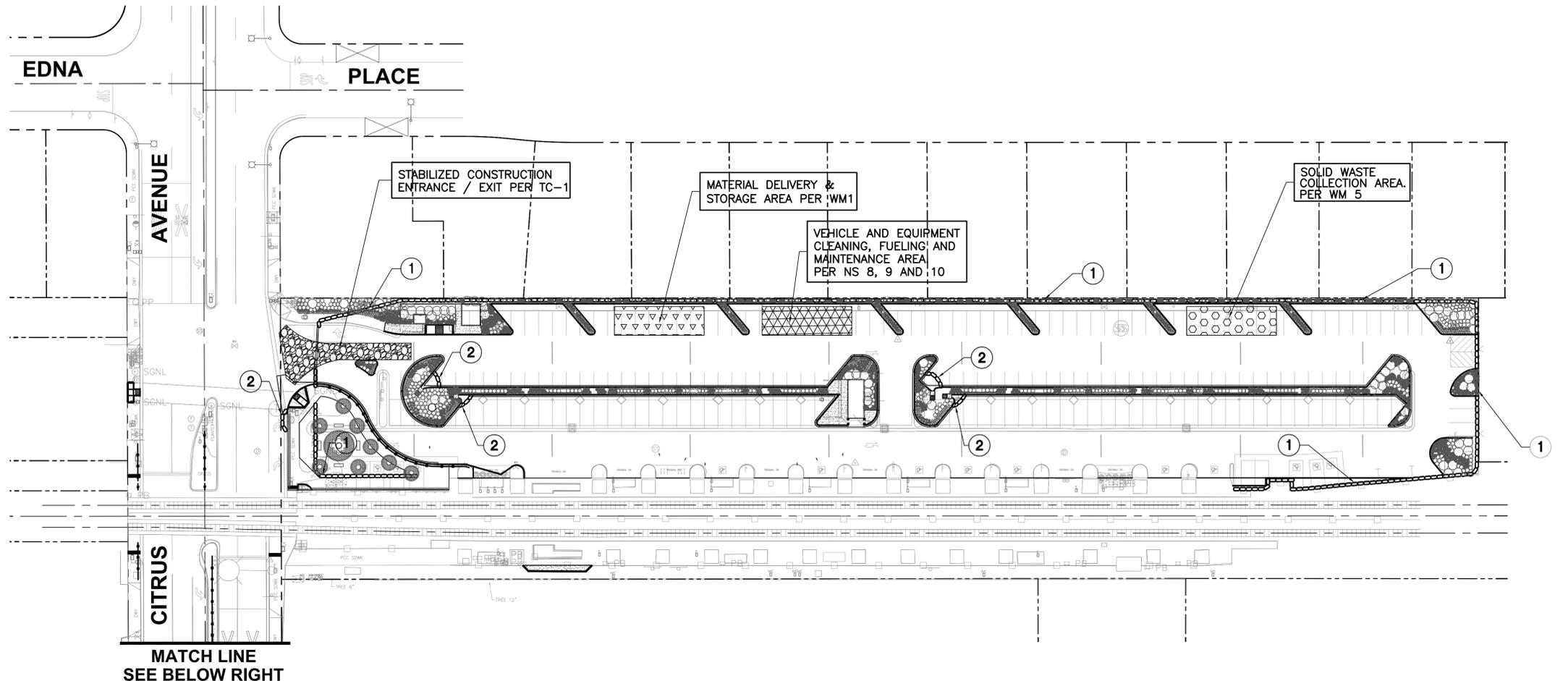
- EVERY EFFORT SHOULD BE MADE TO ELIMINATE THE DISCHARGE OF NON-STORMWATER FROM THE PROJECT SITE AT ALL TIMES.
- ERODED SEDIMENTS AND OTHER POLLUTANTS MUST BE RETAINED ON-SITE AND MAY NOT BE TRANSPORTED FROM THE SITE VIA SHEET FLOW, SWALES, AREA DRAINS, NATURAL DRAINAGE COURSES OR WIND.
- STOCKPILES OF EARTH AND OTHER CONSTRUCTION RELATED MATERIALS MUST BE PROTECTED FROM BEING TRANSPORTED FROM THE SITE BY THE FORCES OF WIND OR WATER.
- FUELS, OILS, SOLVENTS, AND OTHER TOXIC MATERIALS MUST BE STORED IN ACCORDANCE WITH THEIR LISTING AND ARE NOT TO CONTAMINATE THE SOIL AND SURFACE WATERS. ALL APPROVED STORAGE CONTAINERS ARE TO BE PROTECTED FROM THE WEATHER. SPILLS MUST BE CLEANED UP IMMEDIATELY AND DISPOSED OF IN A PROPER MANNER. SPILLS MAY NOT BE WASHED INTO THE DRAINAGE SYSTEM.
- EXCESS OR WASTE CONCRETE MAY NOT BE WASHED INTO THE PUBLIC WAY OR ANY OTHER DRAINAGE SYSTEM. PROVISIONS SHALL BE MADE TO RETAIN CONCRETE WASTES ON-SITE UNTIL THEY CAN BE DISPOSED OF AS SOLID WASTE.
- TRASH AND CONSTRUCTION RELATED SOLID WASTES MUST BE DEPOSITED INTO A COVERED RECEPTACLE TO PREVENT CONTAMINATION OF RAINWATER AND DISPERSAL BY WIND.
- SEDIMENTS AND OTHER MATERIALS MAY NOT BE TRACKED FROM THE SITE BY VEHICLE TRAFFIC. THE CONSTRUCTION ENTRANCE ROADWAYS MUST BE STABILIZED SO AS TO INHIBIT SEDIMENTS FROM BEING DEPOSITED INTO THE PUBLIC WAY. ACCIDENTAL DEPOSITIONS MUST BE SWEEPED UP IMMEDIATELY AND MAY NOT BE WASHED DOWN BY RAIN OR OTHER MEANS.
- ANY SLOPES WITH DISTURBED SOILS OR DENuded OF VEGETATION MUST BE STABILIZED SO AS TO INHIBIT EROSION BY WIND AND WATER.
- AS THE PROJECT OWNER OR AUTHORIZED AGENT OF THE OWNER, I HAVE READ AND UNDERSTAND THE REQUIREMENTS LISTED ABOVE, NECESSARY TO CONTROL STORMWATER POLLUTION FROM SEDIMENTS, EROSION, AND CONSTRUCTION MATERIALS, AND I CERTIFY THAT I WILL COMPLY WITH THESE REQUIREMENTS.

PRINT NAME _____ (OWNER OR AUTHORIZED AGENT OF THE OWNER)

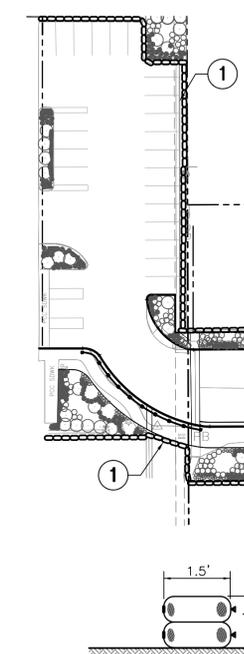
SIGNATURE _____ DATE _____ (OWNER OR AUTHORIZED AGENT OF THE OWNER)

ATTACHMENT "B" NOTES

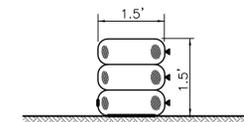
THE FOLLOWING BMP'S AS OUTLINED IN, BUT NOT LIMITED TO, THE CALIFORNIA STORMWATER BEST MANAGEMENT PRACTICE HANDBOOK, JANUARY 2003, OR THE LATEST REVISED EDITION, MAY APPLY DURING THE CONSTRUCTION OF THIS PROJECT (ADDITIONAL MEASURES MAY BE REQUIRED IF DEEMED APPROPRIATE BY COUNTY INSPECTORS)



- EROSION CONTROL**
- EC1 - SCHEDULING
 - EC2 - PRESERVATION OF EXISTING VEGETATION
 - EC3 - HYDRAULIC MULCH
 - EC4 - HYDROSEEDING
 - EC5 - SOIL BINDERS
 - EC6 - STRAW MULCH
 - EC7 - GEOTEXTILES & MATS
 - EC8 - WOOD MULCHING
 - EC9 - EARTH DIKES AND DRAINAGE SWALES
 - EC10 - VELOCITY DISSIPATION DEVICES
 - EC11 - SLOPE DRAINS
 - EC12 - STREAM BANK STABILIZATION
 - EC13 - POLYACRYLAMIDE
- TEMPORARY SEDIMENT CONTROL**
- SE1 - SILT FENCE
 - SE2 - SEDIMENT BASIN
 - SE3 - SEDIMENT TRAP
 - SE4 - CHECK DAM
 - SE5 - FIBER ROLLS
 - SE6 - GRAVEL BAG BERM
 - SE7 - STREET SWEEPING AND VACUUMING
 - SE8 - SANDBAG BARRIER
 - SE9 - STRAW BALE BARRIER
 - SE10 - STORM DRAIN INLET PROTECTION
- WIND EROSION CONTROL**
- WE1 - WIND EROSION CONTROL
- EQUIPMENT TRACKING CONTROL**
- TC1 - STABILIZED CONSTRUCTION ENTRANCE EXIT
 - TC2 - STABILIZED CONSTRUCTION ROADWAY
- NON-STORMWATER MANAGEMENT**
- NS1 - WATER CONSERVATION PRACTICES
 - NS2 - DEWATERING OPERATIONS
 - NS3 - PAVING AND GRINDING OPERATIONS
 - NS4 - TEMPORARY STREAM CROSSING
 - NS5 - CLEAR WATER DIVERSION
 - NS6 - ILLICIT CONNECTION/DISCHARGE
 - NS7 - POTABLE WATER/IRRIGATION
 - NS8 - VEHICLE AND EQUIPMENT CLEANING
 - NS9 - VEHICLE AND EQUIPMENT FUELING
 - NS10 - VEHICLE AND EQUIPMENT MAINTENANCE
 - NS11 - PILE DRIVING OPERATIONS
 - NS12 - CONCRETE CURING
 - NS13 - CONCRETE FINISHING
 - NS14 - MATERIAL AND EQUIPMENT USE
 - NS15 - DEMOLITION ADJACENT TO WATER
 - NS16 - TEMPORARY BATCH PLANTS
- WASTE MANAGEMENT & MATERIAL POLLUTION CONTROL**
- WM1 - MATERIAL DELIVERY AND STORAGE
 - WM2 - MATERIAL USE
 - WM3 - STOCKPILE MANAGEMENT
 - WM4 - SPILL PREVENTION AND CONTROL
 - WM5 - SOLID WASTE MANAGEMENT
 - WM6 - HAZARDOUS WASTE MANAGEMENT
 - WM7 - CONTAMINATION SOIL MANAGEMENT
 - WM8 - CONCRETE WASTE MANAGEMENT
 - WM9 - SANITARY/SEPTIC WASTE MANAGEMENT
 - WM10 - LIQUID WASTE MANAGEMENT

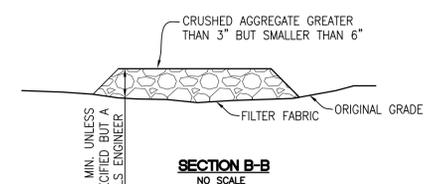
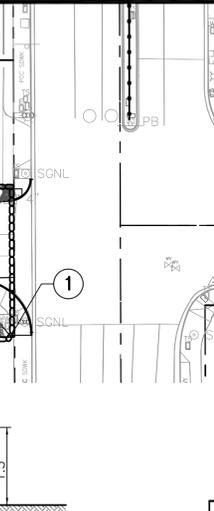


1 SANDBAG DETAIL NO SCALE

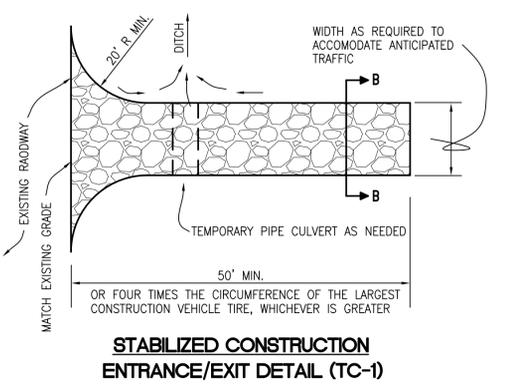


2 SANDBAG DETAIL NO SCALE

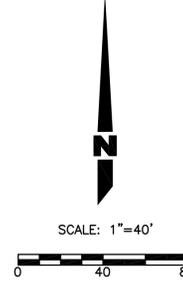
MATCH LINE SEE ABOVE LEFT



SECTION B-B NO SCALE



STABILIZED CONSTRUCTION ENTRANCE/EXIT DETAIL (TC-1)

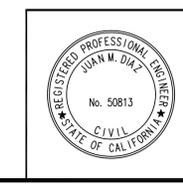


100% PLANS NOT FOR CONSTRUCTION

CITY OF COVINA

PEDESTRIAN AND METROLINK STATION IMPROVEMENTS SEDIMENT / EROSION CONTROL PLAN

DATE	7/31/13	SUBMITTED	CITY ENGINEER	SHEET NO.	12 OF 32
SCALE	AS SHOWN	DATE		PROJECT NO.	T-08148B
DESIGN	DS	APPROVED	KALIEH HOUSH INTERIM DIRECTOR OF PUBLIC WORKS	DATE	HPLUL-5118(16)
DRAWN	WL / DP	DATE			
CHECKED	KS				



Plans Prepared by:

JMD
PLANNING | ENGINEERING | MANAGEMENT

1845 East Gable Avenue, Suite 212
Covina, CA 91715
951-261-1111 fax
951-261-1118 cell
www.jmdinc.com

UNDER THE SUPERVISION OF:

JUAN M. DIAZ _____ DATE _____

EXISTING CROSS GUTTER
METRO RAIL ENTRANCE

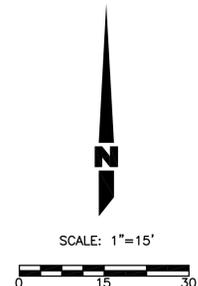
SCORE LINE
10' O.C.
EACH WAY

REFERENCE POINT (0,0)

PLAZA AREA

FRONT STREET

PARKING STRUCTURE ENTRANCE



KEYNOTE

- ① 12' WIDE QUATREFOIL FOUNTAIN PER STONEWEAR FOUNTAIN OR APPROVED EQUAL. SEE DETAIL 5 ON SHEET 14 OF 32.
- ② 6' METAL BENCH WITH ARMREST OPTION PER DUMOR, INC OR APPROVED EQUAL. SEE DETAIL 2 ON SHEET 14 OF 32.
- ③ 3' ROUND PLANTER. SEE DETAIL 4 ON SHEET 14 OF 32.
- ④ LIGHTED TREE WELL (SEE LANDSCAPE PLANS)
- ⑤ 20' INTERNAL HALYARD ALUMINUM FLAGPOLE PER EDER FLAG OR APPROVED EQUAL. SEE DETAIL 1 ON SHEET 14 OF 32.
- ⑥ 3' WROUGHT IRON FENCE. SEE DETAIL 9, SHEET NO. 3
- ⑦ 20'/10'/6" HERRINGBONE BRICK PATTERN W/ 6" CONCRETE BAND
- ⑧ 2 ROWS STACKED BOND BRICK PATTERN
- ⑨ DECORATIVE LIGHT COLORED CONCRETE (SANDSTONE COLOR BY DAVIS COLORS OR EQUAL)
- ⑩ INSTALL CONCRETE PAVERS IN KIND. SEE DETAIL 7, SHEET NO. 3
- ⑪ PROTECT IN PLACE 2' CONCRETE BAND
- ⑫ INSTALL RAILING ON CURB. SEE DETAIL 6 ON SHEET 14 OF 32.
- ⑬ INSTALL LITTER RECEPTACLE PER KEYSTONE, MIDTOWN TYPE, OR EQUAL. SEE DETAIL 3 ON SHEET 14 OF 32.
- ⑭ INSTALL UPLIGHTING PER SITE LIGHTING PLAN
- ⑮ PROPOSED STATION SIGN PER STATION SIGNAGE PLANS

**100% PLANS
NOT FOR CONSTRUCTION**

CITY OF COVINA
**PEDESTRIAN AND METROLINK
STATION IMPROVEMENTS
HARDSCAPE PLAN**

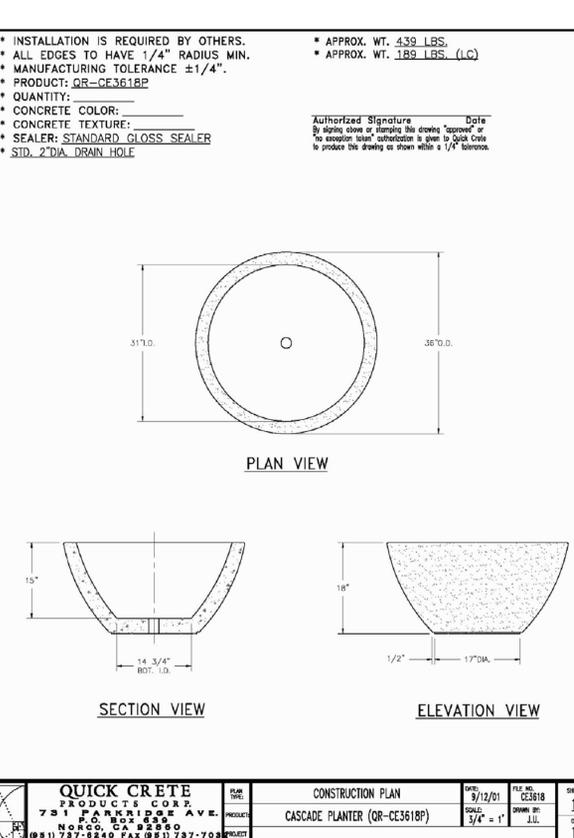
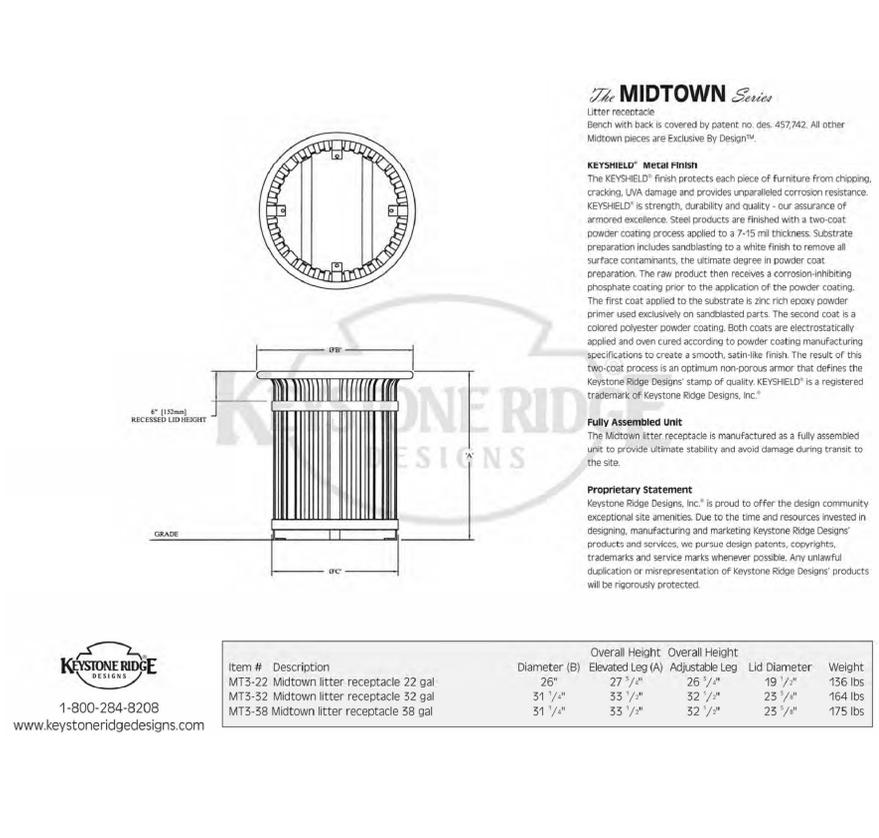
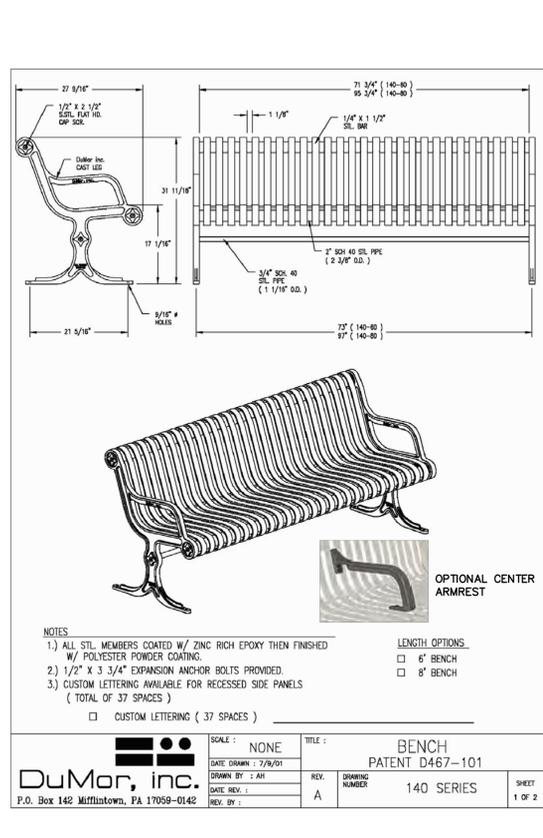
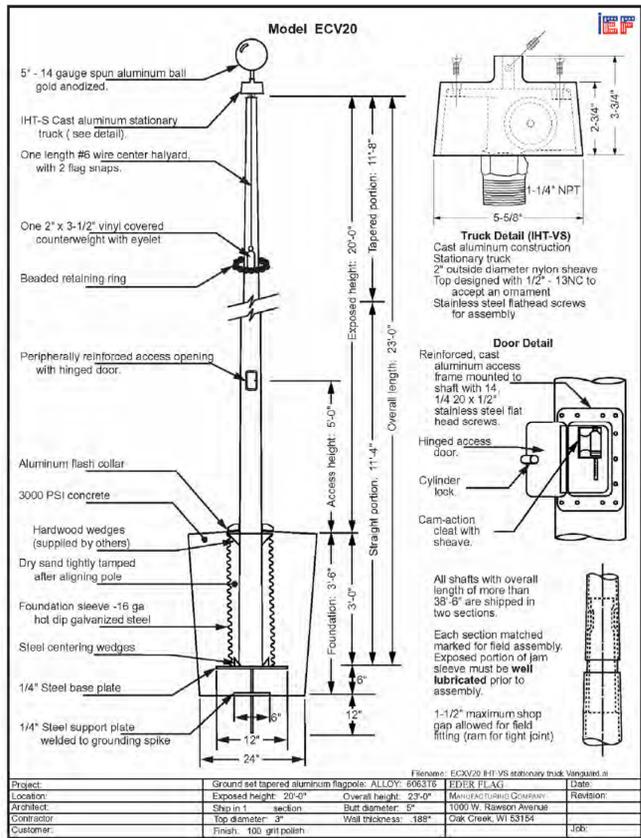
DATE	7/31/13	SUBMITTED	CITY ENGINEER	SHEET NO.	
SCALE	AS SHOWN	DATE		13	OF 32
DESIGN	RD	APPROVED	KALIEH HOUSH INTERIM DIRECTOR OF PUBLIC WORKS	PROJECT NO.	T-0814B
DRAWN	WL / DP	CHECKED	KS	DATE	HPLUL-5118(016)

Plans Prepared by:

REGISTERED PROFESSIONAL ENGINEER
JUAN M. DIAZ
No. 50813
CIVIL
STATE OF CALIFORNIA

UNDER THE SUPERVISION OF:
JUAN M. DIAZ RISE DATE

December 05, 2013 at 12:28pm P:\2012\Advise\2012\0805\0001\00 Covina Pedestrian Improvements at Covina Metrolink Station\080501\HSP\01.dwg by rstone on JMD018

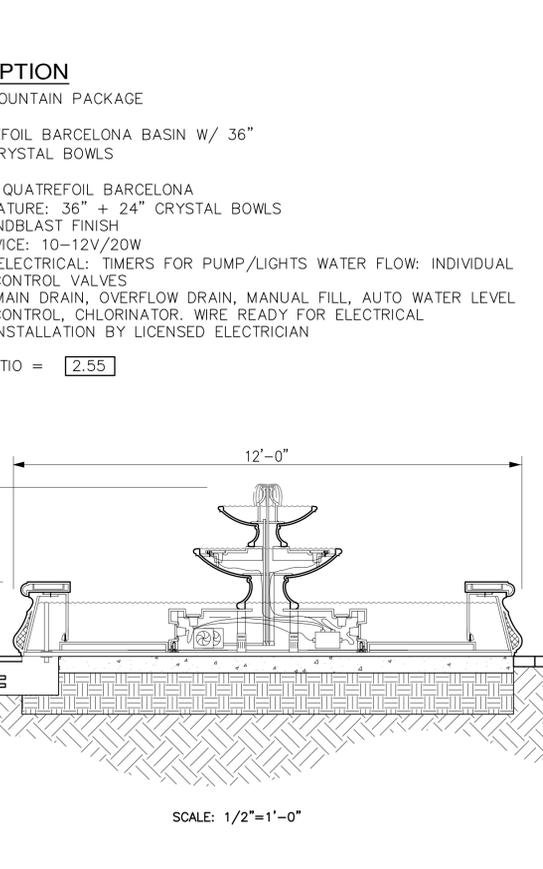
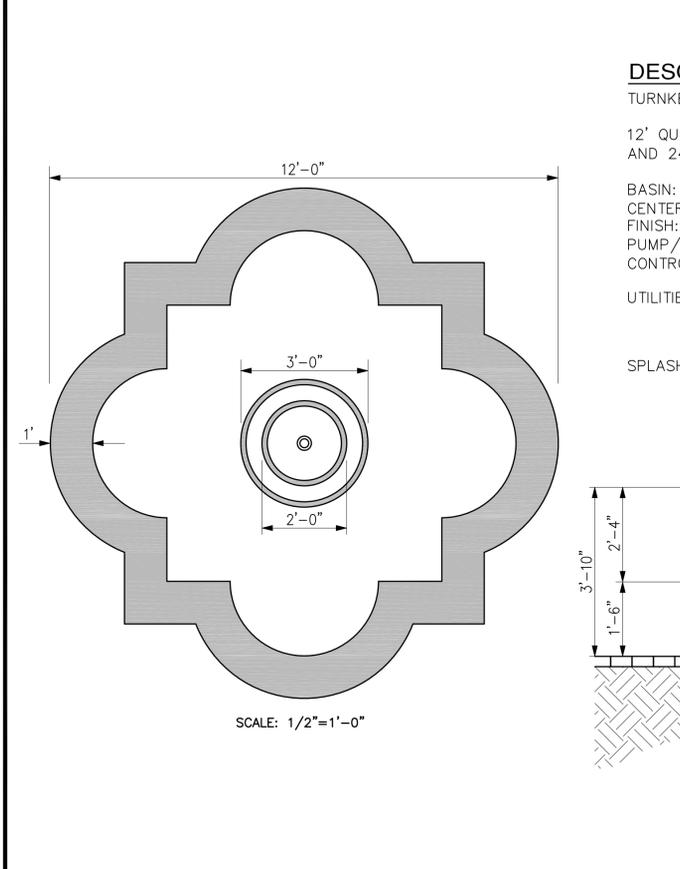


1 FLAG POLE

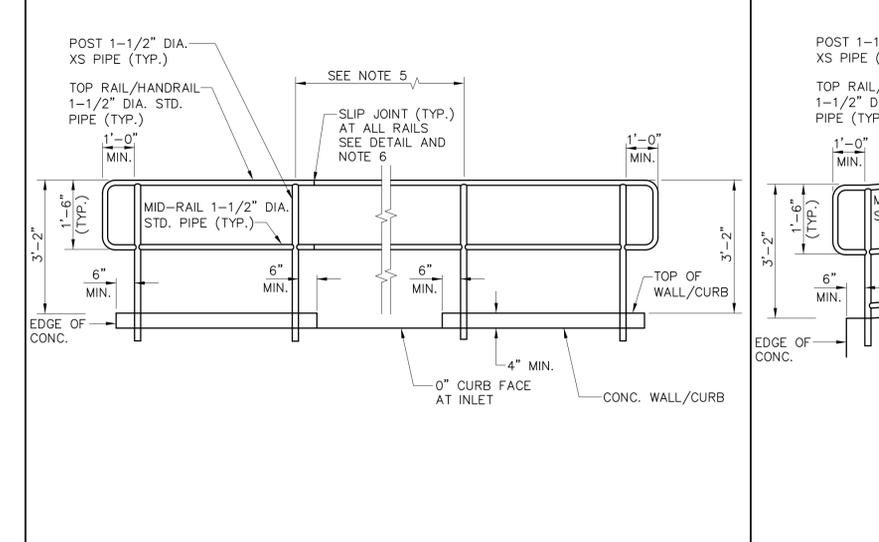
2 METAL BENCH

3 LITTER RECEPTACLE

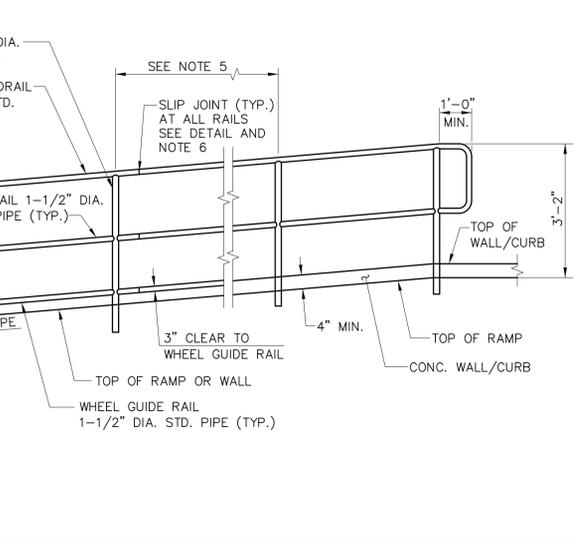
4 PLANTER



5 FOUNTAIN



6 RAILING ON CURB (PLAZA) PER CITY OF L.A. STANDARD PLAN S-463-2



7 RAILING @ BIKE STATION PER CITY OF L.A. STANDARD PLAN S-463-2

100% PLANS NOT FOR CONSTRUCTION

Plans Prepared by:
JMD
PLANNING | ENGINEERING | MANAGEMENT

1845 East Cahuilla Avenue, Suite 212
San Diego, CA 92108
(619) 581-1111
www.jmd.com

UNDER THE SUPERVISION OF:
JUAN M. DIAZ
P.E.

CITY OF COVINA

PEDESTRIAN AND METROLINK STATION IMPROVEMENTS HARDSCAPE DETAILS

DATE: 7/31/13
SCALE: AS SHOWN
DESIGN: RD
DRAWN: WL/DP
CHECKED: KS

DATE: 7/31/13
SUBMITTED: CITY ENGINEER
DATE: _____
APPROVED: KALIEH HOUSH, INTERIM DIRECTOR OF PUBLIC WORKS
DATE: _____

SHEET NO. 14 OF 32
PROJECT NO. T-0814B
HPLUL-5118(10/6)

December 05, 2013 at 12:30pm P:\2012\Advise\2012\0605\0001\00 Covina Pedestrian Improvements at Covina Metrolink Station\Detail\200801HSP102.dwg by RSBone on JMD018

IRRIGATION LEGEND

DESCRIPTION	SYM.	DETAIL REF.	P.S.I.	RAD.	G.P.M.
'RAINBIRD' XF-SOI DRIPLINE(2" BELOW GRADE), XFS-06-12-500	—	G-L	30	—	0.6 GPH
'RAINBIRD' RWS-B-C-1402(TREES); INSTALL WITH RWS-SOCK	✕	N	30	—	0.5
'RAINBIRD' FLOW SENSOR FS-100-B	■	E; INSTALL FLOW SENSOR IN PVC TEE, TEN TIMES THE PIPE DIAMETER DOWNSTREAM OF MASTER VALVE (20" FOR A 2" PIPE)			
'RAINBIRD' DRIP LINE AIR RELIEF VALVE	◊	K; INSTALL AT HIGH PT, PER 1000' OF DRIPLINE			
'RAINBIRD' DRIP LINE FLUSH POINT	○	L; INSTALL AT LOW PT OF EACH PLANTER			
'KING BROTHERS' CHECK VALVE KC-0500-S	⊗	INSTALL ON MAINFOLD AT LOW POINT OF EACH PLANTER			
'SUPERIOR' 1" MASTER VALVE 850-DIGB	⊗	F; NORMALLY OPEN			
'RAINBIRD' CONTROL VALVE PEB-PRS-D (BUBBLERS/RWS)	⊗	M; INSTALL WITH 'SENNINGER' PMR-20-MF			
'RAINBIRD' CONTROL VALVE XCZ-100-PRF (DRIP LINES)	⊗	D; XCZ-075-PRF FOR STATIONS W/ 0.2-5GPM			
'NIBCO' GATE VALVE T-113	⊗	B; SIZED BY LINE			
'RAINBIRD' QUICK COUPLER 33 DLRC 1"	⊗	O; INSTALLED AT THE CITY'S DISCRETION			
'WILKINS' 975XL BACKFLOW PREVENTER	⊗	A; INSTALL CITY APPROVED ENCLOSURE			
'RAINBIRD' ESP-24LXMEF-SS WITH ETCXL AND RSD-CEX	⊗	P; PEDESTAL INSTALL PER MANUFACTURER'S SPECIFICATIONS AND CITY REQUIREMENTS			
'STONEWEAR' 16' QUATREFOIL FOUNTAIN/PLANTER CONTROL PANEL	⊗	INSTALL PER MANUFACTURER'S SPECIFICATIONS			
WATER METER	⊗	CONTRACTOR TO COORDINATE WITH CITY			
SLEEVING SCH. 80 P.V.C.	---	UNDER ALL PAVING; TWICE LINE SIZE (MIN.)			
PRESSURE LINE SCHEDULE 80 P.V.C.	---	SEE PLAN FOR SIZE; SEE SPECIFICATIONS			
NON-PRESSURE LINE SCH. 40 P.V.C.	---	SEE PLAN FOR SIZE; SEE SPECIFICATIONS			
POINT OF CONNECTION	P.O.C.	VERIFY LOCATION ON SITE			

SEE SPECIFICATIONS FOR VALVE BOX INFORMATION

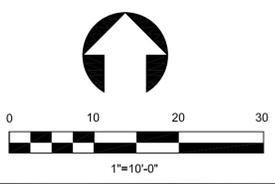
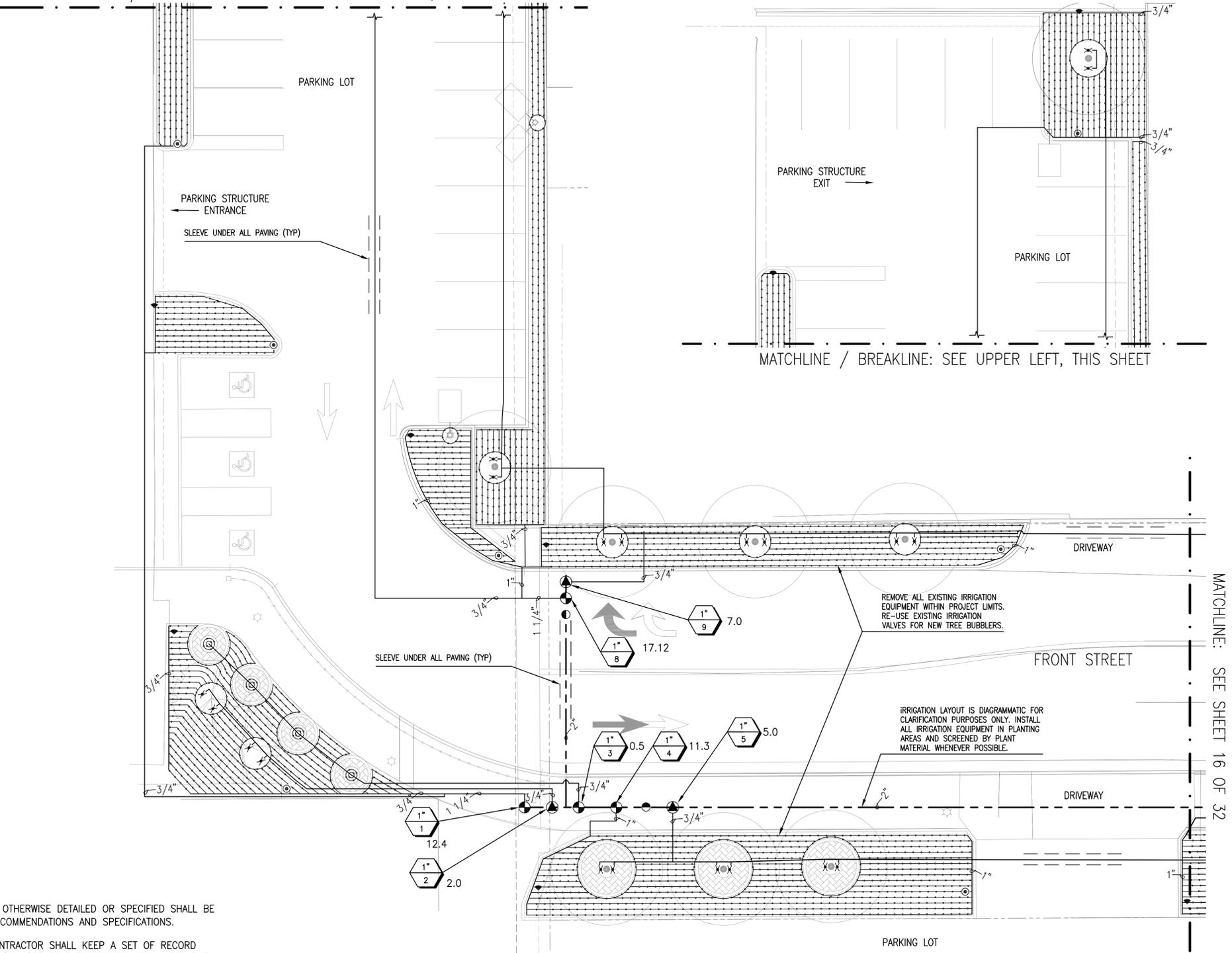
SIZE NO. GPM

IRRIGATION NOTES

1. THE IRRIGATION DRAWING IS DIAGRAMMATIC. DUE TO THE SCALE OF THE CONTRACT DRAWINGS, IT IS NOT POSSIBLE TO INDICATE OFFSETS, FITTINGS, SLEEVES AND OTHER ITEMS WHICH MAY BE REQUIRED. THE CONTRACTOR SHALL FURNISH ANY ITEM REQUIRED TO PROVIDE A COMPLETE IRRIGATION SYSTEM AT NO ADDITIONAL COST TO THE CLIENT. ALL PIPING, VALVES, ETC. SHOWN WITHIN PAVED AREAS ARE FOR DESIGN CLARIFICATION ONLY AND SHALL BE INSTALLED IN PLANTING AREAS WHEREVER POSSIBLE.
2. THE CONTRACTOR IS REQUIRED TO WALK THE SITE PRIOR TO SUBMITTING A BID. THE CONTRACTOR SHALL FAMILIARIZE THEMSELVES WITH THE GRADE DIFFERENCES, LOCATION OF WALLS AND UTILITIES. THE CONTRACTOR SHALL NOT COMMENCE THE CONSTRUCTION OF THE IRRIGATION SYSTEM AS SHOWN ON THE DRAWINGS WHEN IT IS OBVIOUS IN THE FIELD THAT THERE ARE UNKNOWN OBSTRUCTIONS OR GRADE DIFFERENCES IN THE AREA. DISCREPANCIES SHOULD BE BROUGHT TO THE ATTENTION OF THE CLIENT AND LANDSCAPE ARCHITECT IN WRITING PRIOR TO SUBMITTING A BID. IN THE EVENT THAT THIS NOTIFICATION IS NOT GIVEN, THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ANY NECESSARY REVISIONS.
3. THE IRRIGATION SYSTEM DESIGN IS BASED ON A MINIMUM OPERATING PRESSURE OF 60 P.S.I. AND A MAXIMUM FLOW DEMAND OF 30 G.P.M. THE CONTRACTOR SHALL VERIFY WATER PRESSURES PRIOR TO CONSTRUCTION. REPORT ANY DIFFERENCE BETWEEN WATER PRESSURE INDICATED ON THE DRAWINGS AND THE ACTUAL PRESSURE READING AT THE IRRIGATION POINT OF CONNECTION TO THE CLIENT REPRESENTATIVE.
4. CONTRACTOR SHALL PROVIDE A SUBMITTAL OF ALL IRRIGATION MATERIALS AND EQUIPMENT TO THE CLIENT REPRESENTATIVE FOR APPROVAL PRIOR TO INSTALLATION.
5. PRIOR TO ANY EXCAVATION, THE CONTRACTOR SHALL OBTAIN AN UNDERGROUND SERVICE ALERT I.D. NUMBER BY CALLING 1-800-227-2600. TWO (2) WORKING DAYS SHALL BE ALLOWED AFTER THE I.D. NUMBER IS OBTAINED AND BEFORE THE EXCAVATION WORK IS STARTED SO THAT UTILITY OWNERS CAN BE NOTIFIED.
6. AT THEIR OWN EXPENSE, THE CONTRACTOR SHALL REPAIR OR REPLACE ALL PROPERTY OR ITEMS DAMAGED BY THEIR WORK TO ITS ORIGINAL CONDITION. THEY SHALL COORDINATE THEIR WORK WITH OTHER CONTRACTORS FOR THE LOCATION AND INSTALLATION OF PIPE SLEEVES AND LATERALS UNDER ROADWAYS AND PAVING, ETC.
7. THE CONTRACTOR SHALL INSTALL A NEW WATER METER FOR THE PROPOSED IRRIGATION SYSTEM UNLESS OTHERWISE NOTED. FINAL LOCATION OF THE METER, BACKFLOW PREVENTER, AUTOMATIC CONTROLLER, ETC. SHALL BE APPROVED BY THE CLIENT REPRESENTATIVE. PROVIDING THE ELECTRICAL POWER SOURCE AT THE CONTROLLER LOCATION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR UNLESS OTHERWISE SPECIFIED.
8. SET ALL VALVES AND QUICK COUPLERS NEXT TO WALKS OR PAVED SURFACES. INSTALLATION FOR THE CONTROL WIRES SHALL INCLUDE TRACER WIRE AND FOLLOW MAINLINE ROUTING. THE CONTRACTOR SHALL INSTALL TWO SPARE CONTROL WIRES FROM THE CONTROLLER TO THE FARTHEST VALVE ON EACH LEG OF THE MAINLINE AND PASS THROUGH EACH VALVE BOX. THESE WIRES SHALL BE A DIFFERENT COLOR AND LABELED AS "SPARE" AT THE CONTROLLER CABINET AND IN ALL VALVE BOXES.
9. PIPE SIZES SHALL CONFORM TO THOSE SHOWN ON THE DRAWINGS. NO SUBSTITUTIONS OF SMALLER PIPE SIZES SHALL BE PERMITTED, BUT SUBSTITUTIONS OF LARGER SIZES MAY BE APPROVED. ALL DAMAGED AND REJECTED PIPE SHALL BE REMOVED FROM THE SITE AT THE TIME OF THE SAID REJECTION.
10. THE CONTRACTOR SHALL SLEEVE ALL IRRIGATION PIPE UNDER PAVED AREAS UNLESS OTHERWISE REQUESTED. SLEEVING SHALL BE 2 TIMES THE PIPE DIAMETER, MINIMUM SCHEDULE 40 P.V.C., 24" MINIMUM DEPTH TO TOP OF LINE.
11. ALL SPRINKLER HEADS ARE TO HAVE TRIPLE SWING JOINTS AND SET PERPENDICULAR TO FINISH GRADE UNLESS OTHERWISE NOTED ON PLANS.
12. IT IS THE INTENT OF THE DRAWING(S) TO PROVIDE HEAD-TO-HEAD, UNIFORM COVERAGE. THE CONTRACTOR SHALL ADD OR REMOVE HEADS, NOZZLES, LATERAL LINES & NECESSARY EQUIPMENT TO MEET THIS REQUIREMENT AT NO ADDITIONAL COST TO THE CLIENT. THE CONTRACTOR SHALL FLUSH AND ADJUST ALL SPRINKLER HEADS AND VALVES FOR OPTIMUM COVERAGE WITH NO OVER SPRAY ONTO WALKS, STREETS, IMPERMEABLE SURFACES, ETC. THE IRRIGATION SYSTEM IS SUBJECT TO PERIODIC INSPECTIONS BY THE CLIENT REPRESENTATIVE FOR ACCEPTANCE.

13. ALL IRRIGATION EQUIPMENT NOT OTHERWISE DETAILED OR SPECIFIED SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS AND SPECIFICATIONS.
14. DURING CONSTRUCTION, THE CONTRACTOR SHALL KEEP A SET OF RECORD DRAWINGS ON SITE TO RECORD ALL CHANGES TO THE IRRIGATION PLAN FOR THE DEVELOPMENT OF THE 'AS-BUILT' DRAWINGS. AT THE TIME OF FINAL ACCEPTANCE, THE CONTRACTOR SHALL SUPPLY THE CLIENT WITH ALL THE NECESSARY TOOLS, KEYS, ETC. AND PROVIDE A REDUCED AND LAMINATED VALVE CHART FOR PLACEMENT IN CONTROLLER.
15. GUARANTEE: THE INSTALLED SPRINKLER SYSTEM SHALL BE GUARANTEED FOR A PERIOD OF ONE (1) YEAR FROM THE DATE OF ACCEPTANCE OF THE WORK. SHOULD ANY TROUBLE DEVELOP WITHIN THE TIME SPECIFIED DUE TO INFERIOR OR FAULTY MATERIAL OR WORKMANSHIP, THE TROUBLE SHALL BE CORRECTED BY THE CONTRACTOR WITHOUT EXPENSE TO THE OWNER. FAILURE TO REPAIR OR CORRECT WITHIN 10 WORKING DAYS, THE OWNER HOLDS THE RIGHT TO HIRE AN OUTSIDE PARTY TO COMPLETE THE WORK, AND CHARGE THE CONTRACTOR FOR PAYMENT.
16. REMOVE ALL EXISTING IRRIGATION WITHIN PROJECT LIMITS UNLESS OTHERWISE NOTED ON CONTRACT DRAWINGS/PLANS. TURN OVER SALVAGEABLE EQUIPMENT TO CITY.
17. REFER TO GENERAL NOTES FOR ADDITIONAL INFORMATION REGARDING THIS SECTION OF WORK.
18. PLANTING SHALL NOT COMMENCE UNTIL THE IRRIGATION SYSTEM IS FULLY FUNCTIONAL AND PROVIDES 100% UNIFORM COVERAGE.

MATCHLINE / BREAKLINE: SEE UPPER RIGHT VIEWPORT, THIS SHEET



DIAL BEFORE YOU DIG
1-800-227-2600

DIGALERT

PLAY IT SAFE. DIAL BEFORE YOU DIG!

AT LEAST TWO WORKING DAYS PRIOR TO EXCAVATING

SERVING NINE SOUTHERN CALIFORNIA COUNTIES

CITY OF COVINA

PEDESTRIAN AND METROLINK STATION IMPROVEMENTS IRRIGATION PLAN

Plans Prepared by:

JMD
PLANNING ENGINEERING & MANAGEMENT

10645 East Gable Avenue, Suite 210
City of Industry, CA 91710
(909) 856-1157 Tel
(909) 856-1158 Fax
www.jmd.com

UNDER THE SUPERVISION OF:

JUAN M. DIAZ RCE DATE

LANDSCAPE ARCHITECT

LAWRENCE R. MOSS ASLA

Signature: 6/30/2014
Reviewed: [Signature]

STATE OF CALIFORNIA

Lawrence R. MOSS & Associates

LAWRENCE R. MOSS ASLA & ASSOCIATES INC
LIC. NO. 1201
3458 OCEAN VIEW BLVD
GLENDALE CA 91208
818 248-5200
FAX 248-6574

LANDSCAPE ARCHITECTURE

DATE	SUBMITTED	SHEET NO.
SCALE	DATE	15 of 32
DESIGN	APPROVED	PROJECT NO.
DRAWN	DATE	T-0814B
CHECKED	DATE	HPLUL-5118(016)

MATCHLINE: SEE SHEET 16 OF 32

IRRIGATION LEGEND

DESCRIPTION	SYM.	DETAIL REF.	P.S.I.	RAD.	G.P.M.
'RAINBIRD' XF-SOI DRILINE(2" BELOW GRADE), XFS-06-12-500	—+—	G-L	30	—	0.6 GPH
'RAINBIRD' RWS-B-C-1402(TREES); INSTALL WITH RWS-SOCK	✕	N	30	—	0.5
'RAINBIRD' FLOW SENSOR FS-100-B	■	E; INSTALL FLOW SENSOR IN PVC TEE, TEN TIMES THE PIPE DIAMETER DOWNSTREAM OF MASTER VALVE (20" FOR A 2" PIPE)			
'RAINBIRD' DRIP LINE AIR RELIEF VALVE	⬇	K; INSTALL AT HIGH PT, PER 1000' OF DRILINE			
'RAINBIRD' DRIP LINE FLUSH POINT	⊙	L; INSTALL AT LOW PT OF EACH PLANTER			
'KING BROTHERS' CHECK VALVE KC-0500-S	⊗	INSTALL ON MAINFOLD AT LOW POINT OF EACH PLANTER			
'SUPERIOR' 1" MASTER VALVE 850-DIGB	⊗	F; NORMALLY OPEN			
'RAINBIRD' CONTROL VALVE PEB-PRS-D (BUBBLERS/RWS)	⊗	M; INSTALL WITH 'SENNINGER' PMR-20-MF			
'RAINBIRD' CONTROL VALVE XCZ-100-PRF (DRIP LINES)	⊗	D; XCZ-075-PRF FOR STATIONS W/ 0.2-5GPM			
'NIBCO' GATE VALVE T-113	⊗	B; SIZED BY LINE			
'RAINBIRD' QUICK COUPLER 33 DLRC 1"	⊗	O; INSTALLED AT THE CITY'S DISCRETION			
'WILKINS' 975XL BACKFLOW PREVENTER	⊗	A; INSTALL CITY APPROVED ENCLOSURE			
'RAINBIRD' ESP-24LXMEF-SS WITH ETCLX AND RSD-CEX	⊗	P; PEDESTAL INSTALL PER MANUFACTURER'S SPECIFICATIONS AND CITY REQUIREMENTS			
'STONEWEAR' 16' QUATREFOIL FOUNTAIN/PLANTER CONTROL PANEL	⊗	INSTALL PER MANUFACTURER'S SPECIFICATIONS			
WATER METER	⊗	CONTRACTOR TO COORDINATE WITH CITY			
SLEEVING SCH. 80 P.V.C.	—	UNDER ALL PAVING; TWICE LINE SIZE (MIN.)			
PRESSURE LINE SCHEDULE 80 P.V.C.	---	SEE PLAN FOR SIZE; SEE SPECIFICATIONS			
NON-PRESSURE LINE SCH. 40 P.V.C.	----	SEE PLAN FOR SIZE; SEE SPECIFICATIONS			
POINT OF CONNECTION	P.O.C.	VERIFY LOCATION ON SITE			

SEE SPECIFICATIONS FOR VALVE BOX INFORMATION

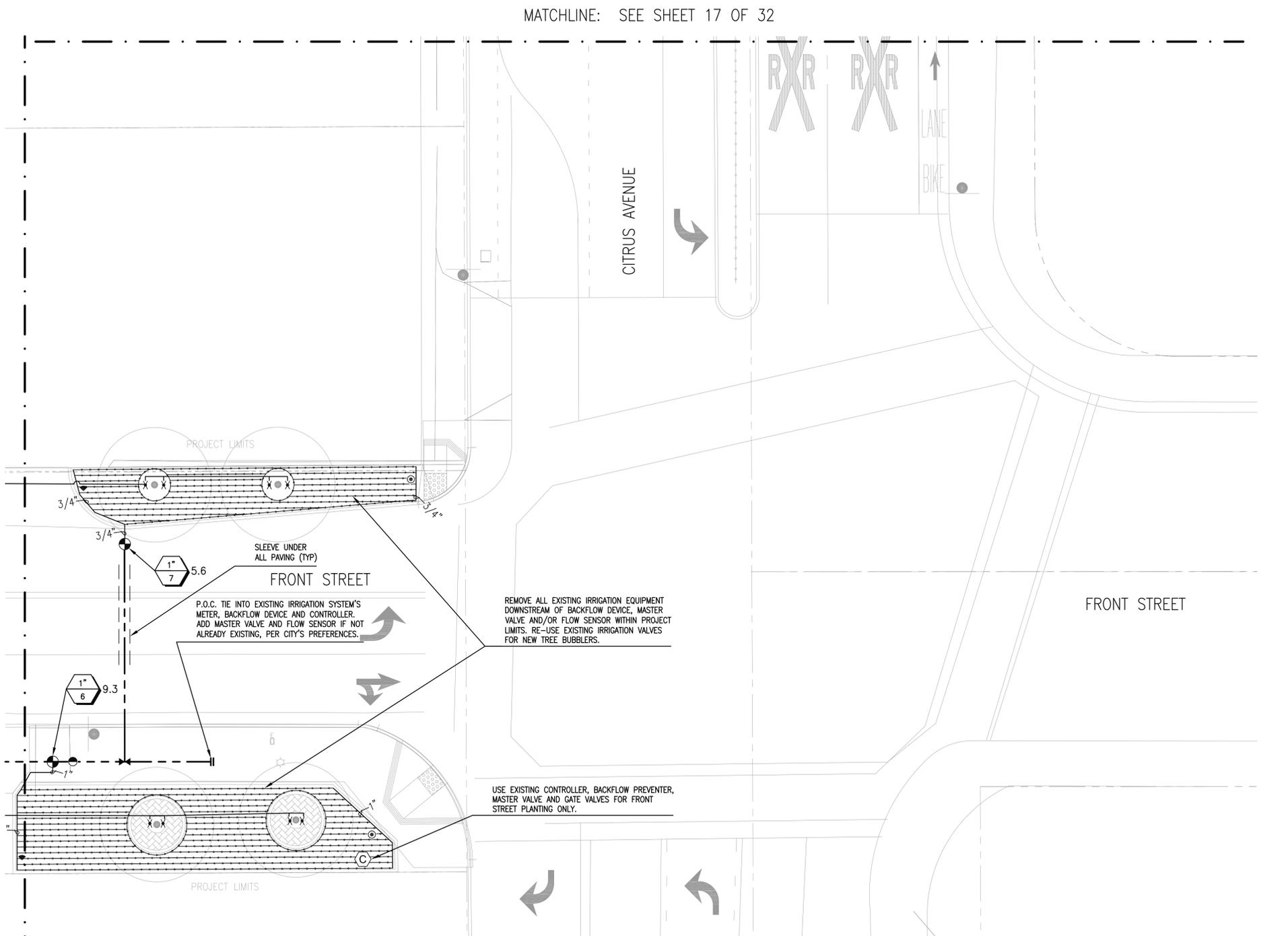
SIZE NO. GPM

IRRIGATION NOTES

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2. THE CONTRACTOR IS REQUIRED TO WALK THE SITE PRIOR TO SUBMITTING A BID. THE CONTRACTOR SHALL FAMILIARIZE THEMSELV WITH THE GRADE DIFFERENCES, LOCATION OF WALLS AND UTILITIES. THE CONTRACTOR SHALL NOT COMMENCE THE CONSTRUCTION OF THE IRRIGATION SYSTEM AS SHOWN ON THE DRAWINGS WHEN IT IS OBVIOUS IN THE FIELD THAT THERE ARE UNKNOWN OBSTRUCTIONS OR GRADE DIFFERENCES IN THE AREA. DISCREPANCIES SHOULD BE BROUGHT TO THE ATTENTION OF THE CLIENT AND LANDSCAPE ARCHITECT IN WRITING PRIOR TO SUBMITTING A BID. IN THE EVENT THAT THIS NOTIFICATION IS NOT GIVEN, THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ANY NECESSARY REVISIONS.
3. THE IRRIGATION SYSTEM DESIGN IS BASED ON A MINIMUM OPERATING PRESSURE OF 60 P.S.I. AND A MAXIMUM FLOW DEMAND OF 30 G.P.M. THE CONTRACTOR SHALL VERIFY WATER PRESSURES PRIOR TO CONSTRUCTION. REPORT ANY DIFFERENCE BETWEEN WATER PRESSURE INDICATED ON THE DRAWINGS AND THE ACTUAL PRESSURE READING AT THE IRRIGATION POINT OF CONNECTION TO THE CLIENT REPRESENTATIVE.
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6. AT THEIR OWN EXPENSE, THE CONTRACTOR SHALL REPAIR OR REPLACE ALL PROPERTY OR ITEMS DAMAGED BY THEIR WORK TO ITS ORIGINAL CONDITION. THEY SHALL COORDINATE THEIR WORK WITH OTHER CONTRACTORS FOR THE LOCATION AND INSTALLATION OF PIPE SLEEVES AND LATERALS UNDER ROADWAYS AND PAVING, ETC.
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10. THE CONTRACTOR SHALL SLEEVE ALL IRRIGATION PIPE UNDER PAVED AREAS UNLESS OTHERWISE REQUESTED. SLEEVING SHALL BE 2 TIMES THE PIPE DIAMETER, MINIMUM SCHEDULE 40 P.V.C., 24" MINIMUM DEPTH TO TOP OF LINE.
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16. REMOVE ALL EXISTING IRRIGATION WITHIN PROJECT LIMITS UNLESS OTHERWISE NOTED ON CONTRACT DRAWINGS/PLANS. TURN OVER SALVAGEABLE EQUIPMENT TO CITY.
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MATCHLINE: SEE SHEET 15 OF 32



MATCHLINE: SEE SHEET 17 OF 32

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Plans Prepared by:
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10445 East Gable Avenue, Suite 210
City of Industry, CA 91746
(916) 834-1157 fax
(916) 834-1158 fax
www.jmd.com

UNDER THE SUPERVISION OF:
JUAN M. ORTEGA
RCE
DATE

LANDSCAPE ARCHITECT
Signature: Lawrence R. Moss
Date: 6/20/2014
Reviewed: [Blank]
State of California

Lawrence R. MOSS & Associates
LANDSCAPE ARCHITECTURE
LAWRENCE R. MOSS ASLA & ASSOCIATES INC
LIC. NO. 1201
3458 OCEAN VIEW BLVD
GLENDALE CA 91208
818 248-5200
FAX 248-6574

DATE	SUBMITTED	SHEET NO.
SCALE	DATE	16 of 32
DESIGN	APPROVED	PROJECT NO.
DRAWN	DATE	T-0814B
CHECKED	DATE	HPLUL-5118(016)

IRRIGATION LEGEND

DESCRIPTION	SYM.	DETAIL REF.	P.S.I.	RAD.	G.P.M.
'RAINBIRD' XF-SDI DRILINE(2" BELOW GRADE), XFS-06-12-500	—	G-L	30	—	0.6 GPH
'RAINBIRD' RWS-B-C-1402(TREES); INSTALL WITH RWS-SOCK	×	N	30	—	0.5
'RAINBIRD' FLOW SENSOR FS-100-B	■	E; INSTALL FLOW SENSOR IN PVC TEE, TEN TIMES THE PIPE DIAMETER DOWNSTREAM OF MASTER VALVE (20" FOR A 2" PIPE)			
'RAINBIRD' DRIP LINE AIR RELIEF VALVE	⊖	K; INSTALL AT HIGH PT, PER 1000' OF DRILINE			
'RAINBIRD' DRIP LINE FLUSH POINT	⊕	L; INSTALL AT LOW PT OF EACH PLANTER			
'KING BROTHERS' CHECK VALVE KC-0500-S	⊗	INSTALL ON MAINFOLD AT LOW POINT OF EACH PLANTER F; NORMALLY OPEN			
'SUPERIOR' 1" MASTER VALVE 850-DIGB	⊙	M; INSTALL WITH 'SENNINGER' PMR-20-MF			
'RAINBIRD' CONTROL VALVE PEB-PRS-D (BUBBLERS/RWS)	⊗	D; XCZ-075-PRF FOR STATIONS W/ 0.2-5GPM			
'RAINBIRD' CONTROL VALVE XCZ-100-PRF (DRIP LINES)	⊗	B; SIZED BY LINE			
'NIBCO' GATE VALVE T-113	⊗	O; INSTALLED AT THE CITY'S DISCRETION			
'RAINBIRD' QUICK COUPLER 33 DLRC 1"	⊗	A; INSTALL CITY APPROVED ENCLOSURE			
'WILKINS' 975XL BACKFLOW PREVENTER	⊗	P; PEDESTAL INSTALL PER MANUFACTURER'S SPECIFICATIONS AND CITY REQUIREMENTS			
'RAINBIRD' ESP-24LXMEF-SS WITH ETCLX AND RSD-CEX	⊗	INSTALL PER MANUFACTURER'S SPECIFICATIONS			
'STONEWEAR' 16' QUATREFOIL FOUNTAIN/PLANTER CONTROL PANEL	⊗	CONTRACTOR TO COORDINATE WITH CITY			
WATER METER	⊗	UNDER ALL PAVING; TWICE LINE SIZE (MIN.)			
SLEEVING SCH. 80 P.V.C.	---	SEE PLAN FOR SIZE; SEE SPECIFICATIONS			
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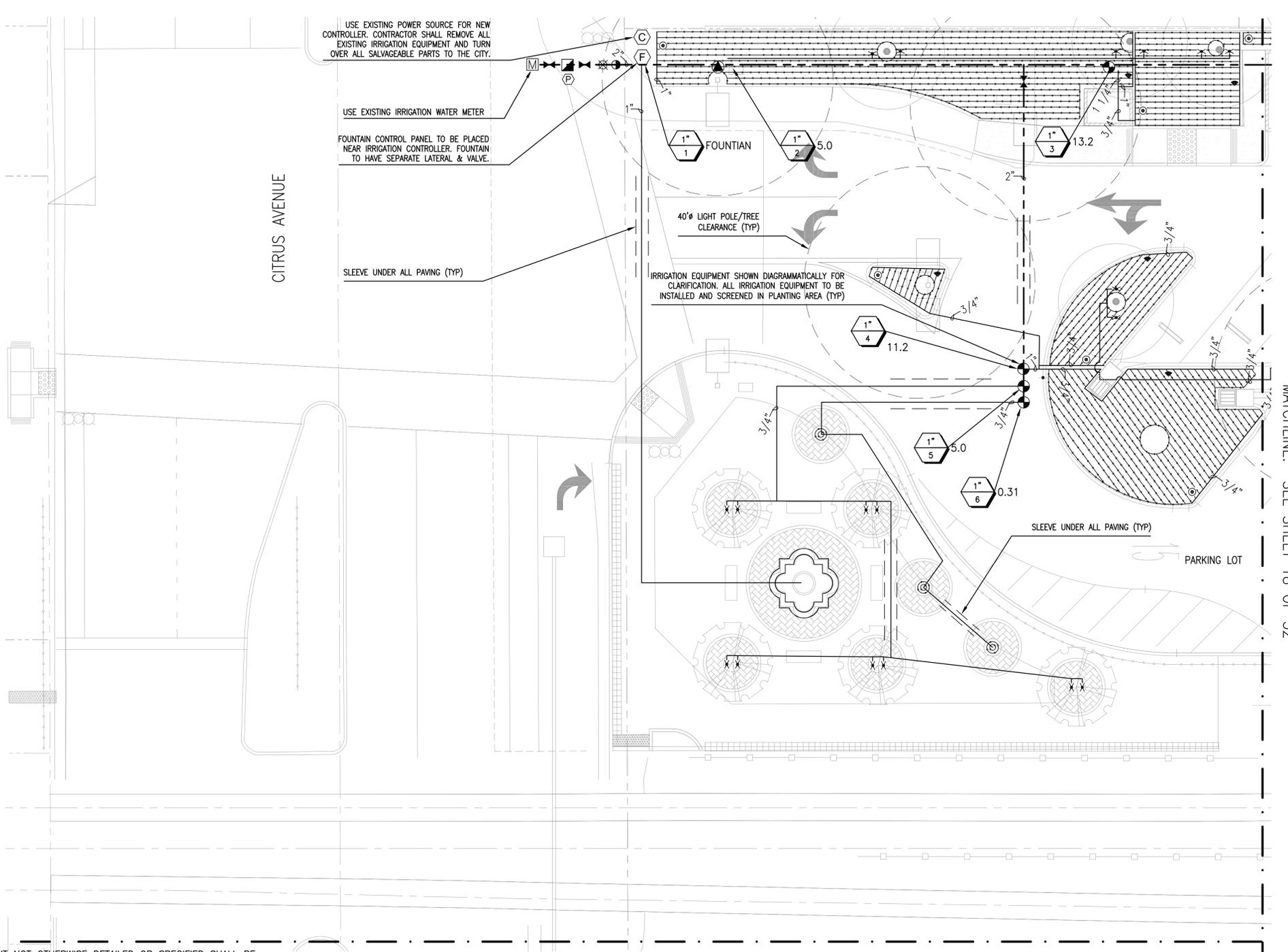
SEE SPECIFICATIONS FOR VALVE BOX INFORMATION

SIZE NO. GPM

IRRIGATION NOTES

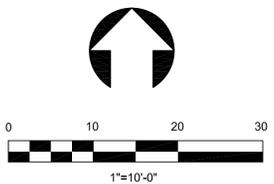
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MATCHLINE: SEE SHEET 18 OF 32



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DATE	SUBMITTED	SHEET NO.
SCALE	DATE	17 OF 32
DESIGN	APPROVED	PROJECT NO.
DRAWN	DATE	T-0814B
CHECKED		HPLUL-5118(016)

Plans Prepared by:
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10445 East Gable Avenue, Suite 210
City of Industry, CA 91710
(909) 858-1157 fax
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www.jmd.com

UNDER THE SUPERVISION OF:
JUAN M. ORTEGA
RCE
DATE

LANDSCAPE ARCHITECT
LAWRENCE R. MOSS
Signature: 6/30/2014
Reviewed: []
Date: []
State of California

Lawrence R. MOSS & Associates
LANDSCAPE ARCHITECTURE
LAWRENCE R. MOSS ASLA & ASSOCIATES INC
LIC. NO. 1201
3458 OCEAN VIEW BLVD
GLENDALE CA 91208
818 248-5200
FAX 248-6574

IRRIGATION LEGEND

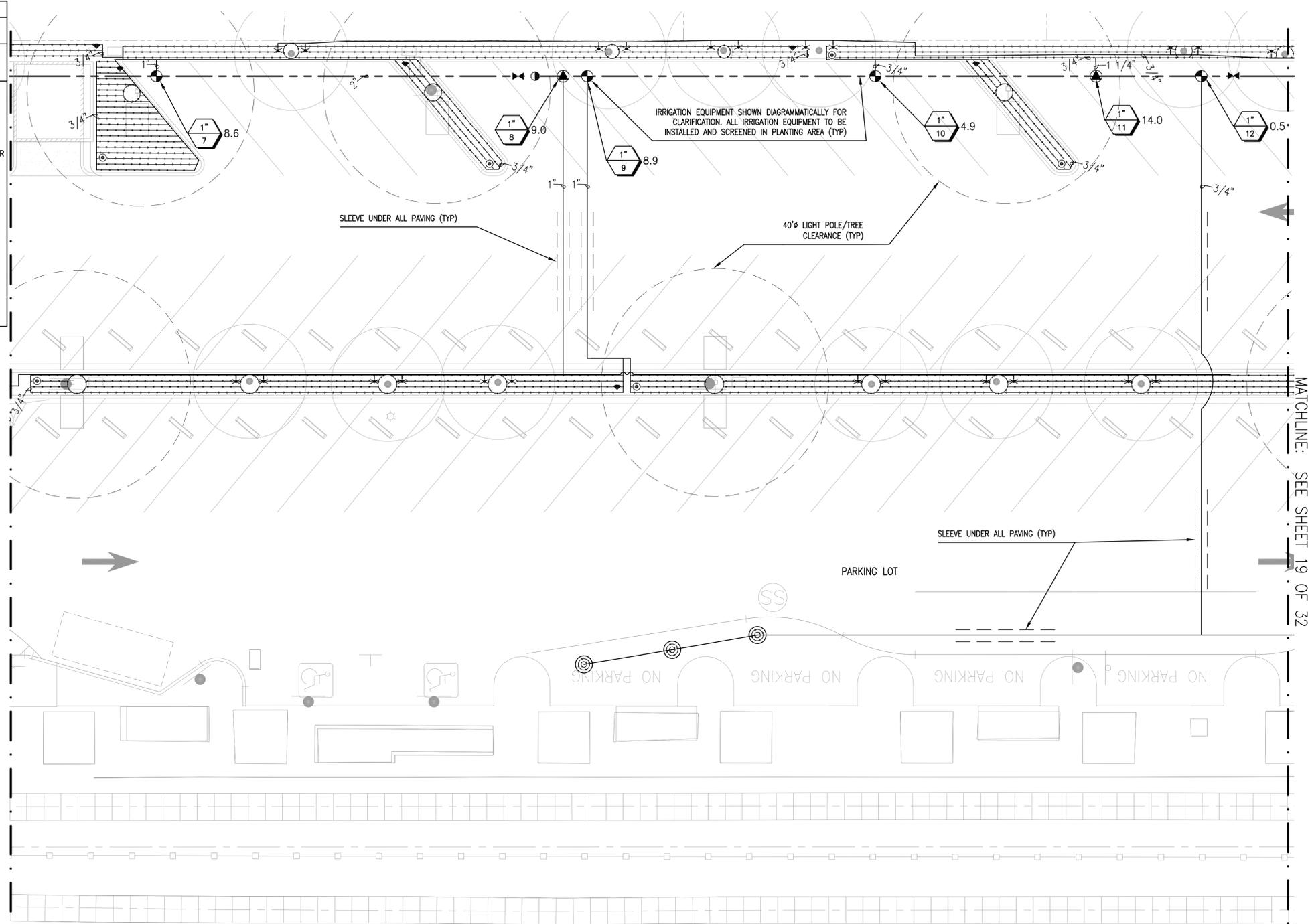
DESCRIPTION	SYM.	DETAIL REF.	P.S.I.	RAD.	G.P.M.
'RAINBIRD' XF-SOI DRIPLINE(2" BELOW GRADE), XFS-06-12-500	—	G-L	30	—	0.6 GPH
'RAINBIRD' RWS-B-C-1402(TREES); INSTALL WITH RWS-SOCK	×	N	30	—	0.5
'RAINBIRD' FLOW SENSOR FS-100-B	■	E; INSTALL FLOW SENSOR IN PVC TEE, TEN TIMES THE PIPE DIAMETER DOWNSTREAM OF MASTER VALVE (20" FOR A 2" PIPE)			
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'RAINBIRD' CONTROL VALVE PEB-PRS-D (BUBBLERS/RWS)	⊗	M; INSTALL WITH 'SENNINGER' PMR-20-MF			
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'RAINBIRD' QUICK COUPLER 33 DLRC 1"	⊗	O; INSTALLED AT THE CITY'S DISCRETION			
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Plans Prepared by:

JMD
PLANNING ENGINEERING & MANAGEMENT

10645 East Gable Avenue, Suite 210
City of Industry, CA 91710
(626) 835-1157 Tel
(626) 835-1158 Fax
www.jmd.com

UNDER THE SUPERVISION OF:

JUAN M. ORAZ RICE DATE

LANDSCAPE ARCHITECT

LAWRENCE R. MOSS ASLA & ASSOCIATES INC.

Signature: 6/30/2014
Reviewed: []
Date

STATE OF CALIFORNIA

Lawrence R. MOSS & Associates
LANDSCAPE ARCHITECTURE

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CITY OF COVINA

PEDESTRIAN AND METROLINK STATION IMPROVEMENTS IRRIGATION PLAN

DATE	SUBMITTED	SHEET NO.
SCALE	DATE	18 of 32
DESIGN	APPROVED	PROJECT NO.
DRAWN	DATE	T-0814B
CHECKED	DATE	HPLUL-5118(016)

IRRIGATION LEGEND

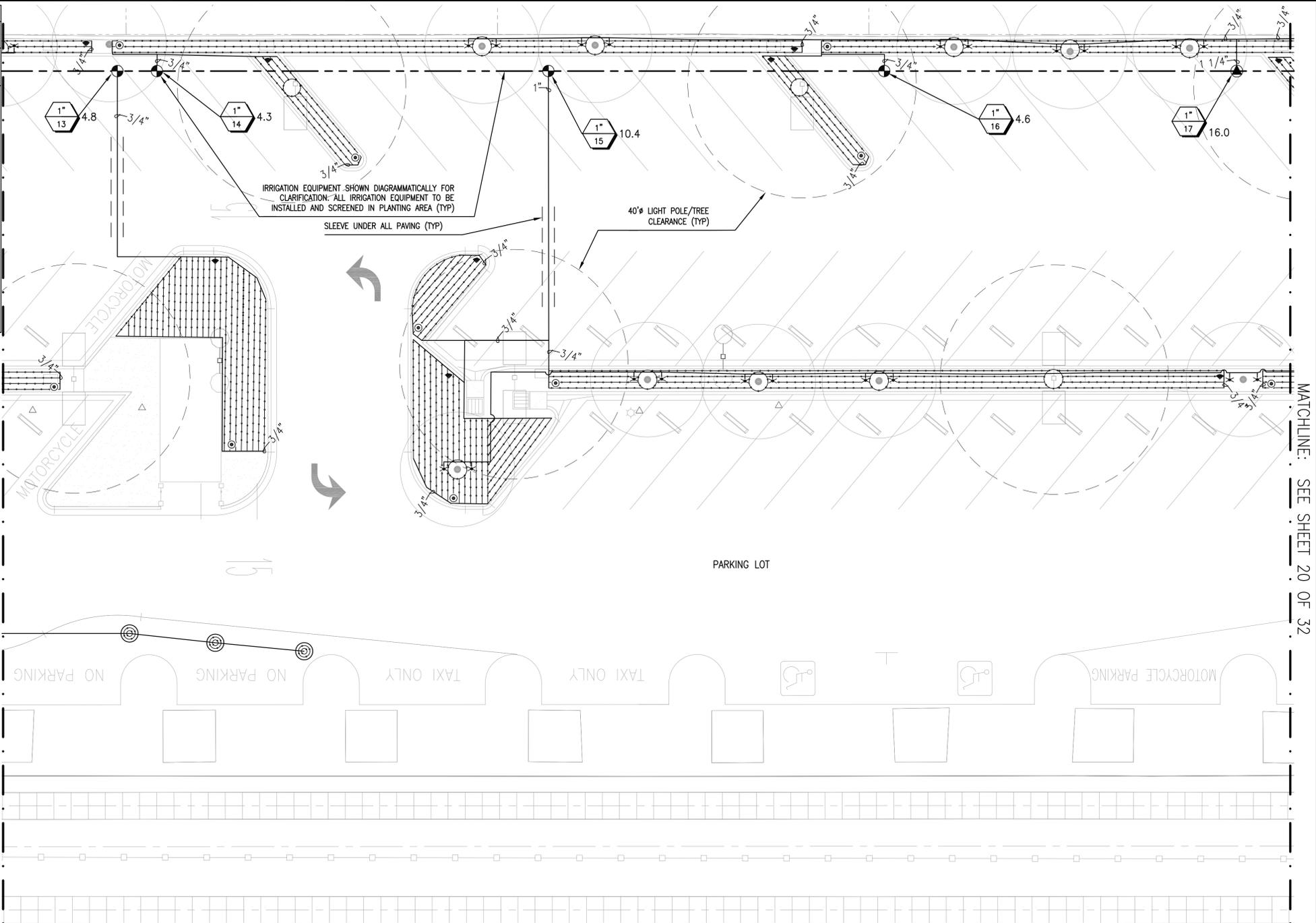
DESCRIPTION	SYM.	DETAIL REF.	P.S.I.	RAD.	G.P.M.
'RAINBIRD' XF-SOI DRILINE(2" BELOW GRADE), XFS-06-12-500	—	G-L	30	—	0.6 GPH
'RAINBIRD' RWS-B-C-1402(TREES); INSTALL WITH RWS-SOCK	×	N	30	—	0.5
'RAINBIRD' FLOW SENSOR FS-100-B	■				
'RAINBIRD' DRIP LINE AIR RELIEF VALVE	⊖				
'RAINBIRD' DRIP LINE FLUSH POINT	⊙				
'KING BROTHERS' CHECK VALVE KC-0500-S	⊗				
'SUPERIOR' 1" MASTER VALVE 850-DIGB	⊗				
'RAINBIRD' CONTROL VALVE PEB-PRS-D (BUBBLERS/RWS)	⊗				
'RAINBIRD' CONTROL VALVE XCZ-100-PRF (DRIP LINES)	⊗				
'NIBCO' GATE VALVE T-113	⊗				
'RAINBIRD' QUICK COUPLER 33 DLRC 1"	⊗				
'WILKINS' 975XL BACKFLOW PREVENTER	⊗				
'RAINBIRD' ESP-24LXMEF-SS WITH ETCLX AND RSD-CEX	⊗				
'STONEWEAR' 16' QUATREFOIL FOUNTAIN/PLANTER CONTROL PANEL	⊗				
WATER METER	⊗				
SLEEVING SCH. 80 P.V.C.	---				
PRESSURE LINE SCHEDULE 80 P.V.C.	---				
NON-PRESSURE LINE SCH. 40 P.V.C.	---				
POINT OF CONNECTION	P.O.C.				

SEE SPECIFICATIONS FOR VALVE BOX INFORMATION

IRRIGATION NOTES

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2. THE CONTRACTOR IS REQUIRED TO WALK THE SITE PRIOR TO SUBMITTING A BID. THE CONTRACTOR SHALL FAMILIARIZE THEMSELVES WITH THE GRADE DIFFERENCES, LOCATION OF WALLS AND UTILITIES. THE CONTRACTOR SHALL NOT COMMENCE THE CONSTRUCTION OF THE IRRIGATION SYSTEM AS SHOWN ON THE DRAWINGS WHEN IT IS OBVIOUS IN THE FIELD THAT THERE ARE UNKNOWN OBSTRUCTIONS OR GRADE DIFFERENCES IN THE AREA. DISCREPANCIES SHOULD BE BROUGHT TO THE ATTENTION OF THE CLIENT AND LANDSCAPE ARCHITECT IN WRITING PRIOR TO SUBMITTING A BID. IN THE EVENT THAT THIS NOTIFICATION IS NOT GIVEN, THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ANY NECESSARY REVISIONS.
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4. CONTRACTOR SHALL PROVIDE A SUBMITTAL OF ALL IRRIGATION MATERIALS AND EQUIPMENT TO THE CLIENT REPRESENTATIVE FOR APPROVAL PRIOR TO INSTALLATION.
5. PRIOR TO ANY EXCAVATION, THE CONTRACTOR SHALL OBTAIN AN UNDERGROUND SERVICE ALERT I.D. NUMBER BY CALLING 1-800-227-2600. TWO (2) WORKING DAYS SHALL BE ALLOWED AFTER THE I.D. NUMBER IS OBTAINED AND BEFORE THE EXCAVATION WORK IS STARTED SO THAT UTILITY OWNERS CAN BE NOTIFIED.
6. AT THEIR OWN EXPENSE, THE CONTRACTOR SHALL REPAIR OR REPLACE ALL PROPERTY OR ITEMS DAMAGED BY THEIR WORK TO ITS ORIGINAL CONDITION. THEY SHALL COORDINATE THEIR WORK WITH OTHER CONTRACTORS FOR THE LOCATION AND INSTALLATION OF PIPE SLEEVES AND LATERALS UNDER ROADWAYS AND PAVING, ETC.
7. THE CONTRACTOR SHALL INSTALL A NEW WATER METER FOR THE PROPOSED IRRIGATION SYSTEM UNLESS OTHERWISE NOTED. FINAL LOCATION OF THE METER, BACKFLOW PREVENTER, AUTOMATIC CONTROLLER, ETC. SHALL BE APPROVED BY THE CLIENT REPRESENTATIVE. PROVIDING THE ELECTRICAL POWER SOURCE AT THE CONTROLLER LOCATION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR UNLESS OTHERWISE SPECIFIED.
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10. THE CONTRACTOR SHALL SLEEVE ALL IRRIGATION PIPE UNDER PAVED AREAS UNLESS OTHERWISE REQUESTED. SLEEVING SHALL BE 2 TIMES THE PIPE DIAMETER, MINIMUM SCHEDULE 40 P.V.C., 24" MINIMUM DEPTH TO TOP OF LINE.
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MATCHLINE: SEE SHEET 18 OF 32

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IRRIGATION LEGEND

DESCRIPTION	SYM.	DETAIL REF.	P.S.I.	RAD.	G.P.M.
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'RAINBIRD' RWS-B-C-1402(TREES); INSTALL WITH RWS-SOCK	×	N	30	—	0.5
'RAINBIRD' FLOW SENSOR FS-100-B	■	E; INSTALL FLOW SENSOR IN PVC TEE, TEN TIMES THE PIPE DIAMETER DOWNSTREAM OF MASTER VALVE (20" FOR A 2" PIPE)			
'RAINBIRD' DRIP LINE AIR RELIEF VALVE	⊖	K; INSTALL AT HIGH PT, PER 1000' OF DRILINE			
'RAINBIRD' DRIP LINE FLUSH POINT	⊕	L; INSTALL AT LOW PT OF EACH PLANTER			
'KING BROTHERS' CHECK VALVE KC-0500-S	⊗	I; INSTALL ON MAINFOLD AT LOW POINT OF EACH PLANTER			
'SUPERIOR' 1" MASTER VALVE 850-DIGB	⊗	F; NORMALLY OPEN			
'RAINBIRD' CONTROL VALVE PEB-PRS-D (BUBBLERS/RWS)	⊗	M; INSTALL WITH 'SENNINGER' PMR-20-MF			
'RAINBIRD' CONTROL VALVE XCZ-100-PRF (DRIP LINES)	⊗	D; XCZ-075-PRF FOR STATIONS W/ 0.2-5GPM			
'NIBCO' GATE VALVE T-113	⊗	B; SIZED BY LINE			
'RAINBIRD' QUICK COUPLER 33 DLRC 1"	⊗	O; INSTALLED AT THE CITY'S DISCRETION			
'WILKINS' 975XL BACKFLOW PREVENTER	⊗	A; INSTALL CITY APPROVED ENCLOSURE			
'RAINBIRD' ESP-24LXMEF-SS WITH ETCXL AND RSD-CEX	⊗	P; PEDESTAL INSTALL PER MANUFACTURER'S SPECIFICATIONS AND CITY REQUIREMENTS			
'STONEWEAR' 16' QUATREFOIL FOUNTAIN/PLANTER CONTROL PANEL	⊗	INSTALL PER MANUFACTURER'S SPECIFICATIONS			
WATER METER	⊗	CONTRACTOR TO COORDINATE WITH CITY			
SLEEVING SCH. 80 P.V.C.	---	UNDER ALL PAVING; TWICE LINE SIZE (MIN.)			
PRESSURE LINE SCHEDULE 80 P.V.C.	---	SEE PLAN FOR SIZE; SEE SPECIFICATIONS			
NON-PRESSURE LINE SCH. 40 P.V.C.	---	SEE PLAN FOR SIZE; SEE SPECIFICATIONS			
POINT OF CONNECTION	P.O.C.	VERIFY LOCATION ON SITE			

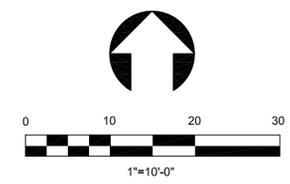
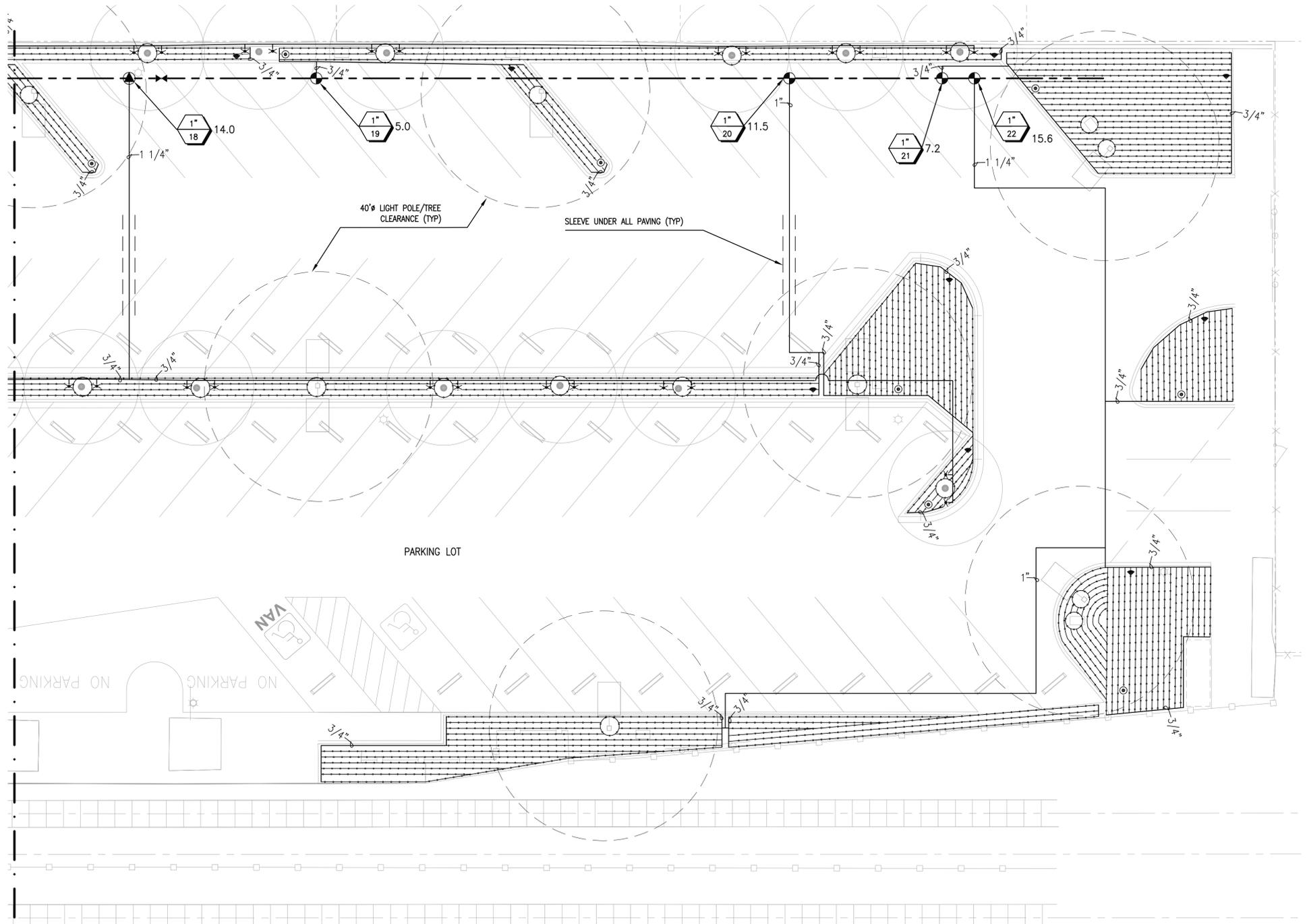
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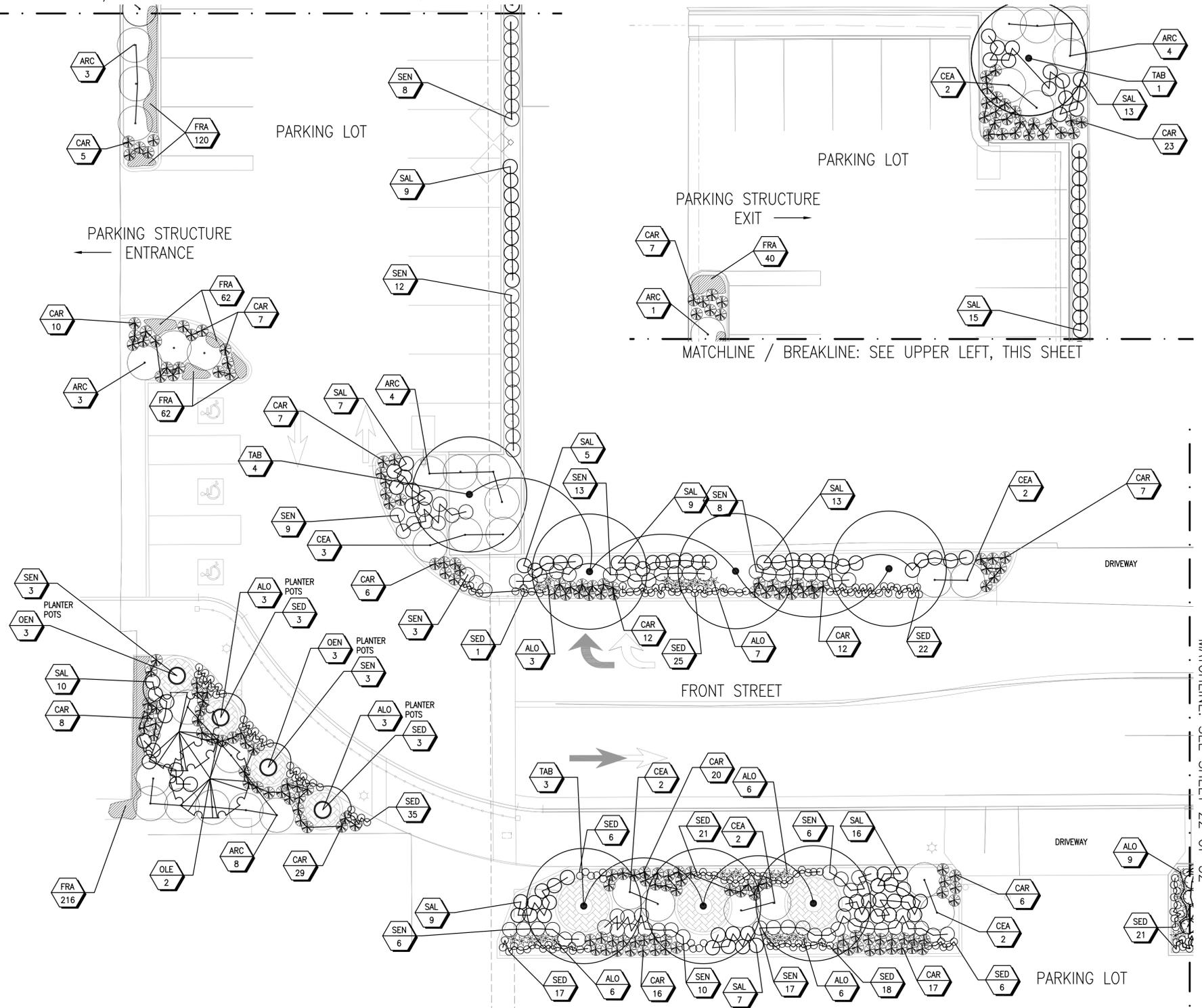
KEY	SCIENTIFIC NAME/COMMON NAME	QTY/SIZE	PF/SB*	REMARKS
TREES				
ARB	ARBUTUS UNEDO / STRAWBERRY TREE	17 / 24" BOX	M / -	STANDARD OR MULTI-TRUNK
OLE	OLEA EUROPEA 'SWAN HILL' / SWAN HILL OLIVE	7 / 36" BOX	M / -	MULTI-TRUNK
RHU	RHUS LANCEA / AFRICAN SUMAC	22 / 24" BOX	L / -	STANDARD
TAB	TABEBUIA IMPETIGINOSA / PURPLE TRUMPET TREE	12 / 36" BOX	M / -	STANDARD
SHRUBS				
ALO	ALOE STRIATA / CORAL ALOE	512 / 5 GAL	L / 2	
ARC	ARCTOSTAPHYLOS 'WAYSIDE' / WAYSIDE MANZANITA	54 / 1 GAL	L / 3	
CEA	CEANTHOUS GRISAEUS HORIZONTALIS 'CARMEL CREEPER'	59 / 5 GAL	L / 3	
CAR	CAREX PRAEGRACILIS / CLUSTER FIELD SEDGE	742 / 1 GAL	L / 1	
OEN	OENOTHERA BERLANDIERI / MEXICAN PRIMROSE	8 / 1 GAL	L / 1	
SAL	SALVIA GREGGII / AUTUMN SAGE	454 / 1 GAL	L / 2	
SEN	SENECIO MANDRALISCAE / BLUE FINGER	395 / 1 GAL	L / 2	
GROUND COVERS				
FRA	FRAGARIA CHILOENSIS / BEACH STRAWBERRY	5564 / FLATS**	L / 1	6 IN. O.C.
SED	SEDUM SPURIMUM / DRAGON'S BLOOD STONECROP	1069 / 6" POT	L / 1	1 FT. O.C.

*PF=PLANT FACTOR; WUCOLS (REGION#3): VL=VERY LOW; L=LOW; M=MODERATE; H=HIGH / SB=SETBACK FT (CALTRANS)
 **CORRESPONDING QUANTITY SHOWN DENOTES INDIVIDUAL PLANT/PLUG

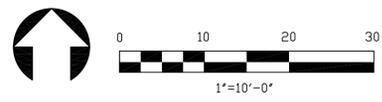
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5. ALL EXISTING PLANT MATERIAL TO BE REMOVED EXCEPT WHERE NOTED ON PLAN.
6. NOTE ADDITIONAL REMARKS ON SPECIFIC PLANTS IN PLANT LIST.
7. PRIOR TO PLANTING, ALL PLANTED AREAS SHALL RECEIVE THE FOLLOWING AMENDMENTS PER 1,000 SQ. FT. OF SURFACE AREA. ROTO-TILL AMENDMENTS TO A DEPTH OF 6". NOTE: BASED ON SOIL REPORT DATA, ADDITIONAL SOIL AMENDMENTS MAY BE REQUIRED.
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 *3 CU YDS NITROGENIZED, MINERALIZED FIR BARK OR REDWOOD SHAVINGS
 *ADD 8 LBS OF GRO-POWER CONTROLLED RELEASE 12-8-8 PER CU YD OF MIX
 *PROVIDE GRO-POWER PLANT TABLETS AT THE FOLLOWING RATES:
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8. PRIOR TO PLANTING EXCAVATION, THE CONTRACTOR SHALL OBTAIN APPROVAL OF THE PLANT MATERIAL AND LOCATION. THE CONTRACTOR SHALL "STAGE" THE PLANTS IN THEIR PROPOSED PLANTING LOCATION STILL IN THE NURSERY CONTAINER FOR INSPECTION AND APPROVAL BY THE CLIENT REPRESENTATIVE. THE CONTRACTOR SHALL PROVIDE NURSERY RECEIPTS FOR ALL PLANT MATERIAL AT THE TIME OF INSPECTION ON THE PROJECT SITE.
9. PLANT HOLE TO BE TWICE AS WIDE AND DEEP AS THE PLANT ROOT BALL. BACKFILL AND COMPACT TO 80% WITH 60% APPROVED SOIL MATERIAL AND 40% NITROGENIZED COMPOST MATERIAL, PER SPECIFICATIONS, UNLESS OTHERWISE NOTED.
10. LINEAR TYPE (NOT CIRCULAR) "DEEP ROOT" BARRIERS ARE TO BE USED FOR ALL TREES LOCATED WITHIN 5 FT. OF PAVING. INSTALL PER MANUFACTURER'S SPECIFICATIONS.
11. FINISH GRADE TO BE 1" BELOW ALL WALKS, CURBS, AND PAVING.
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13. AFTER PLANTING, ALL PROPOSED SHRUB AND GROUND COVER AREAS ARE TO BE TREATED WITH A PRE-EMERGENT WEED KILLER (EPTAM / RONSTAR). APPLY PER MANUFACTURER'S SPECIFICATIONS: A) IMMEDIATELY AFTER PLANTING, B) AT THE BEGINNING OF THE MAINTENANCE PERIOD, AND C) AT THE END OF THE MAINTENANCE PERIOD.
14. THE CONTRACTOR SHALL WARRANT ALL SHRUB AND GROUND COVER PLANT MATERIAL FOR 90 DAYS AND TREES FOR 1 YEAR FROM THE DATE OF ACCEPTANCE BY CLIENT REPRESENTATIVE. THE CLIENT REPRESENTATIVE SHALL BE THE SOLE JUDGE OF THE CONDITIONS OF ACCEPTABILITY. THE CONTRACTOR SHALL REPLACE ALL VEGETATION NOT DISPLAYING A HEALTHY, VIGOROUS CONDITION OF ACTIVE GROWTH DURING THIS WARRANTY PERIOD AT THEIR OWN EXPENSE.
15. REFER TO GENERAL NOTES FOR ADDITIONAL INFORMATION ON THIS SECTION OF WORK.

MATCHLINE / BREAKLINE: SEE UPPER RIGHT VIEWPORT, THIS SHEET



MATCHLINE: SEE SHEET 22 OF 32



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CITY OF COVINA
PEDESTRIAN AND METROLINK STATION IMPROVEMENTS
PLANTING PLAN

Plans Prepared by:
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 City of Industry, CA 91746
 (909) 854-1157 FAX
 (909) 854-1158 TOLL FREE
 www.jmdco.com

UNDER THE SUPERVISION OF:
 JUAN VALDEZ
 P.E.
 DATE: _____

LANDSCAPE ARCHITECT
 LICENSE # 12014
 Signature: *Lawrence R. Moss*
 Date: 6/30/2014
 Revised: None

Lawrence R. MOSS & Associates
 LAWRENCE R. MOSS ASLA & ASSOCIATES INC
 LIC. NO. 12014
 3458 OCEAN VIEW BLVD
 GLENDALE CA 91208
 818 248-5200
 FAX 248-6574
 LANDSCAPE ARCHITECTURE

DATE	SUBMITTED	SHEET NO.
SCALE	DATE	21 of 32
DESIGN	APPROVED	PROJECT NO.
DRAWN	DATE	T-0814B
CHECKED		HPLUL-5118(016)

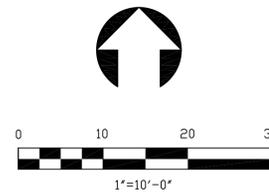
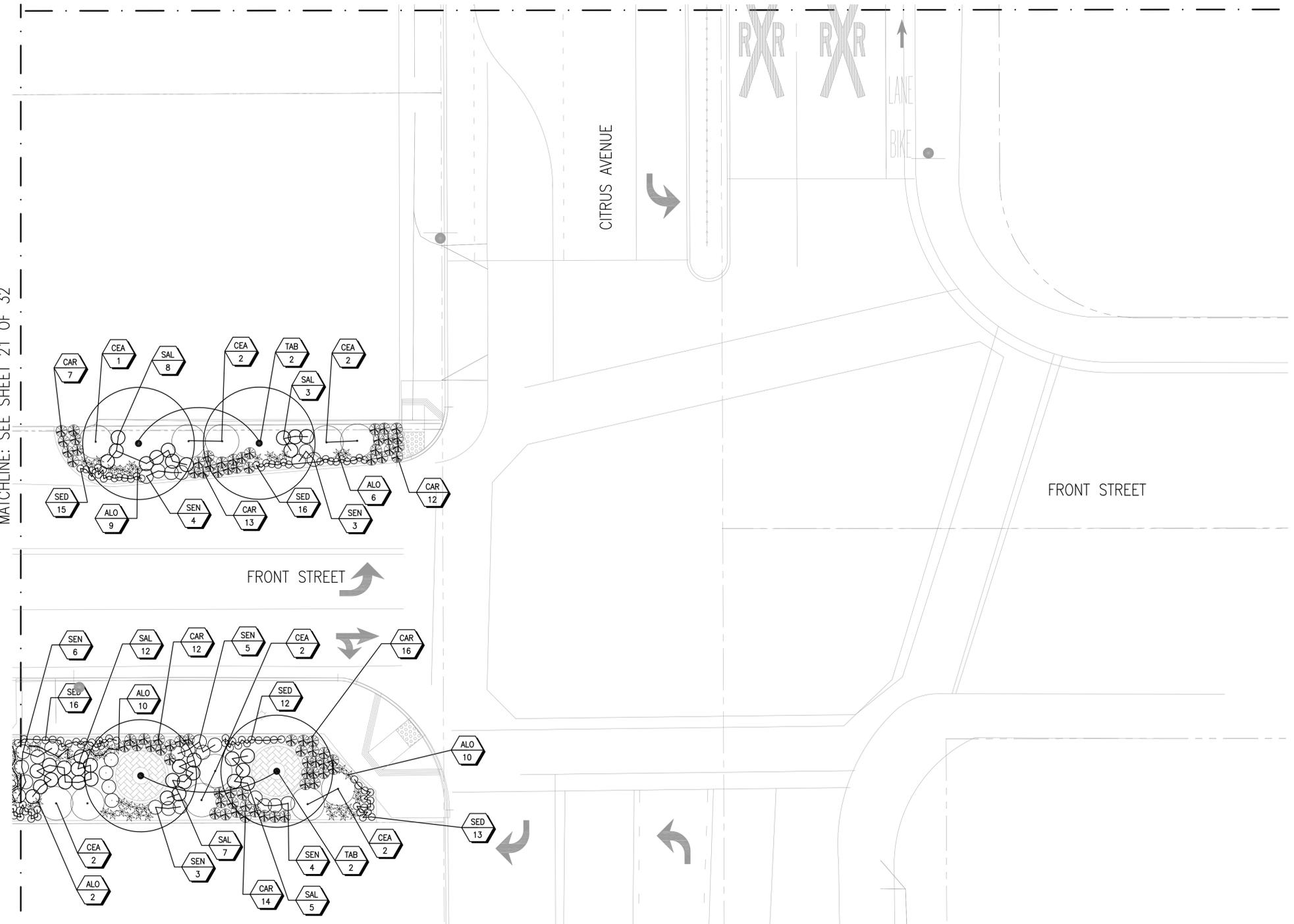
KEY	SCIENTIFIC NAME/COMMON NAME	QTY/SIZE	PF/SB*	REMARKS
TREES				
ARB	ARBUS UNEDO / STRAWBERRY TREE	17 / 24" BOX	M / -	STANDARD OR MULTI-TRUNK
OLE	OLEA EUROPEA 'SWAN HILL' / SWAN HILL OLIVE	7 / 36" BOX	M / -	MULTI-TRUNK
RHU	RHUS LANCEA / AFRICAN SUMAC	22 / 24" BOX	L / -	STANDARD
TAB	TABEBUIA IMPETIGINOSA / PURPLE TRUMPET TREE	12 / 36" BOX	M / -	STANDARD
SHRUBS				
ALO	ALOE STRIATA / CORAL ALOE	512 / 5 GAL	L / 2	
ARC	ARCTOSTAPHYLOS 'WAYSIDE' / WAYSIDE MANZANITA	54 / 1 GAL	L / 3	
CEA	CEANOTHUS GRISEUS HORIZONTALIS 'CARMEL CREEPER'	59 / 5 GAL	L / 3	
CAR	CAREX PRAEGRACILIS / CLUSTER FIELD SEDGE	742 / 1 GAL	L / 1	
OEN	OENOTHERA BERLANDIERI / MEXICAN PRIMROSE	8 / 1 GAL	L / 1	
SAL	SALVIA GREGGII / AUTUMN SAGE	454 / 1 GAL	L / 2	
SEN	SENECIO MANDRALISCAE / BLUE FINGER	395 / 1 GAL	L / 2	
GROUND COVERS				
FRA	FRAGARIA CHILOENSIS / BEACH STRAWBERRY	5564 / FLATS**	L / 1	6 IN. O.C.
SED	SEDUM SPURIUM / DRAGON'S BLOOD STONECROP	1069 / 6" POT	L / 1	1 FT. O.C.

*PF=PLANT FACTOR; WUCOLS (REGION#3): VL=VERY LOW; L=LOW; M=MODERATE; H=HIGH /SB=SETBACK FT (CALTRANS)
 **CORRESPONDING QUANTITY SHOWN DENOTES INDIVIDUAL PLANT/PLUG

PLANTING NOTES

1. THE PLANTING DRAWING IS DIAGRAMMATIC. THE CONTRACTOR SHALL VERIFY ALL PLANT QUANTITIES, LOCATIONS AND CONDITIONS OF THE SITE PRIOR TO SUBMITTING A BID. THE CONTRACTOR SHALL INSTALL AND MAINTAIN LANDSCAPE PLANTING IN ACCORDANCE WITH ALL APPLICABLE POLICIES/GUIDELINES OF THE OWNER UNLESS NOTED OR DIRECTED OTHERWISE BY THE CLIENT REPRESENTATIVE. ANY AND ALL DISCREPANCIES SHOULD BE BROUGHT TO THE ATTENTION OF THE CLIENT AND LANDSCAPE ARCHITECT PRIOR TO SUBMITTING A BID. IN THE EVENT THAT THIS NOTIFICATION IS NOT GIVEN, THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ANY NECESSARY REVISIONS.
2. PRIOR TO ANY EXCAVATION, THE CONTRACTOR SHALL OBTAIN AN UNDERGROUND SERVICE ALERT I.D. NUMBER BY CALLING 1-800-227-2600. TWO (2) WORKING DAYS SHALL BE ALLOWED AFTER THE I.D. NUMBER IS OBTAINED AND BEFORE THE EXCAVATION WORK IS STARTED SO THAT UTILITY OWNERS CAN BE NOTIFIED.
3. AT THEIR OWN EXPENSE, THE CONTRACTOR SHALL REPAIR OR REPLACE ALL PROPERTY OR ITEMS DAMAGED BY THEIR WORK TO ITS ORIGINAL CONDITION.
4. THE CONTRACTOR SHALL PROVIDE A SUBMITTAL OF ALL PLANTING RELATED MATERIALS TO THE CLIENT REPRESENTATIVE FOR APPROVAL PRIOR TO INSTALLATION. THIS INCLUDES, BUT IS NOT LIMITED TO: TREE PROTECTION MATERIALS, SOIL REPORT FOR EXISTING SOIL, SOIL REPORT FOR ALL IMPORTED SOIL, SOIL AMENDMENTS, FERTILIZERS, HERBICIDES, PESTICIDES, MULCH, STAKING/GUYING MATERIALS, ROOT BARRIERS AND NURSERY RECEIPTS.
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6. NOTE ADDITIONAL REMARKS ON SPECIFIC PLANTS IN PLANT LIST.
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MATCHLINE: SEE SHEET 21 OF 32



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 (909) 854-1157 Tel
 (909) 854-1158 Fax
 www.jmd.com

UNDER THE SUPERVISION OF:
 JUAN M. DIAZ
 REG. DATE

LANDSCAPE ARCHITECT
 LAWRENCE R. MOSS
 Signature: 6/20/2014
 Review: []
 Date: []
 State of California

Lawrence R. MOSS & Associates
 LANDSCAPE ARCHITECTURE
 LAWRENCE R. MOSS ASLA & ASSOCIATES INC
 LIC. NO. 1201
 3458 OCEAN VIEW BLVD
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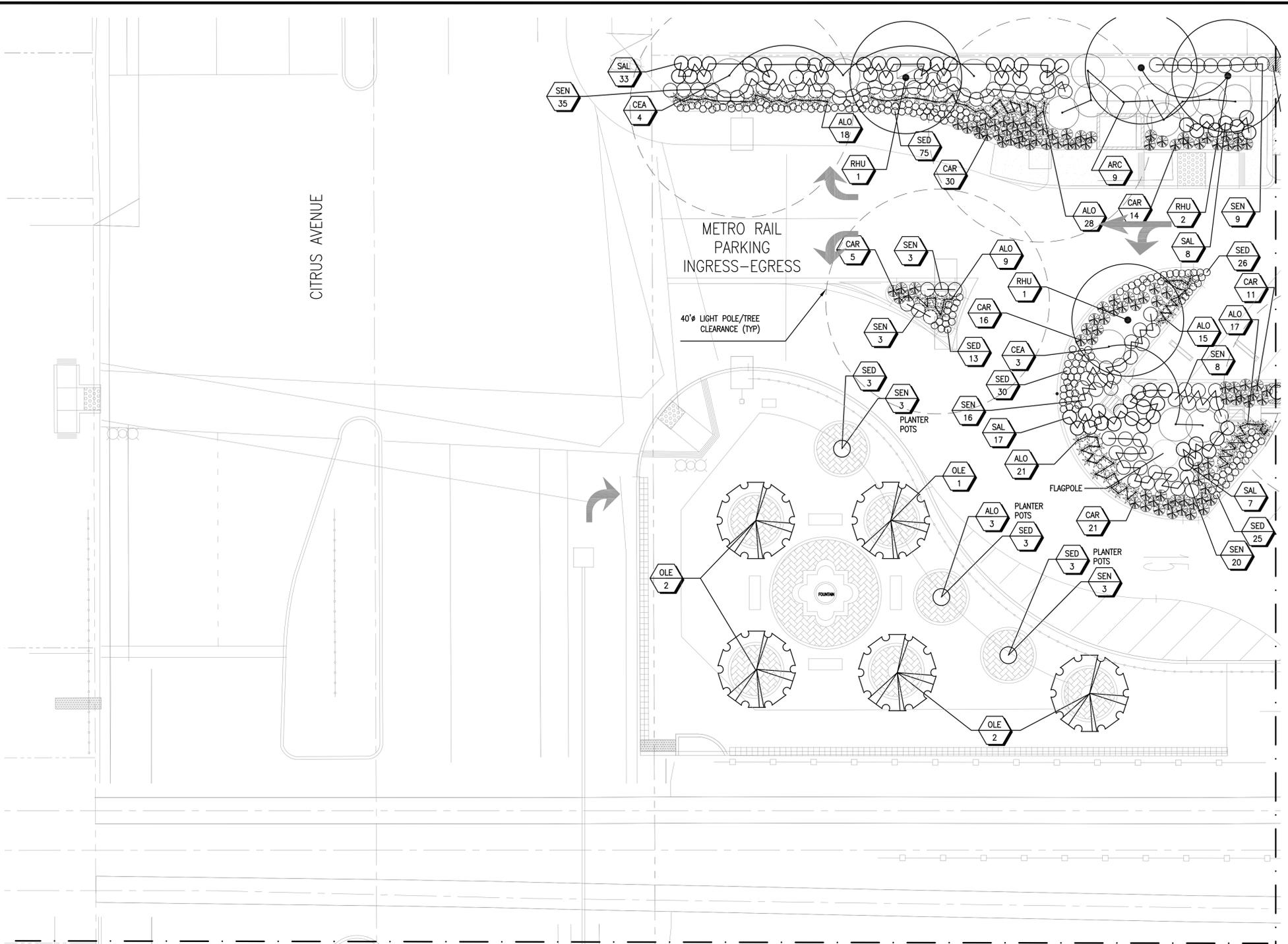
DATE	SUBMITTED	SHEET NO.
SCALE	DATE	22 OF 32
DESIGN	APPROVED	PROJECT NO.
DRAWN	DATE	T-0814B
CHECKED	DATE	HPLUL-5118(016)

KEY	SCIENTIFIC NAME/COMMON NAME	QTY/SIZE	PF/SB*	REMARKS
TREES				
ARB	ARBUS UNEDO / STRAWBERRY TREE	17 / 24" BOX	M / -	STANDARD OR MULTI-TRUNK
OLE	OLEA EUROPEA 'SWAN HILL' / SWAN HILL OLIVE	7 / 36" BOX	M / -	MULTI-TRUNK
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TAB	TABEBUA IMPETIGINOSA / PURPLE TRUMPET TREE	12 / 36" BOX	M / -	STANDARD
SHRUBS				
ALO	ALOË STRIATA / CORAL ALOË	512 / 5 GAL	L / 2	
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CEA	CEANOTHUS GRISÆUS HORIZONTALIS 'CARMELO CREEPER'	59 / 5 GAL	L / 3	
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FRA	FRAGARIA CHILOENSIS / BEACH STRAWBERRY	5564 / FLATS**	L / 1	6 IN. O.C.
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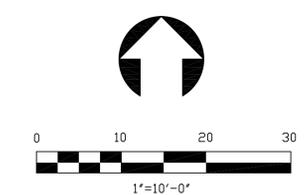
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MATCHLINE: SEE SHEET 22 OF 32

MATCHLINE: SEE SHEET 24 OF 32



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CITY OF COVINA
PEDESTRIAN AND METROLINK STATION IMPROVEMENTS PLANTING PLAN

DATE	SUBMITTED	SHEET NO.
SCALE	DATE	23 OF 32
DESIGN	APPROVED	PROJECT NO.
DRAWN	DATE	T-0814B
CHECKED		HPLUL-5118(016)

Plans Prepared by:
JMD
 PLANNING | ENGINEERING | MANAGEMENT
 18445 East Oaks Avenue, Suite 212
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UNDER THE SUPERVISION OF:
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LANDSCAPE ARCHITECT
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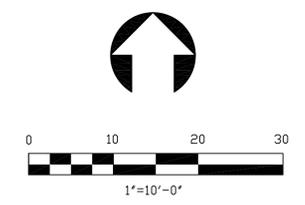
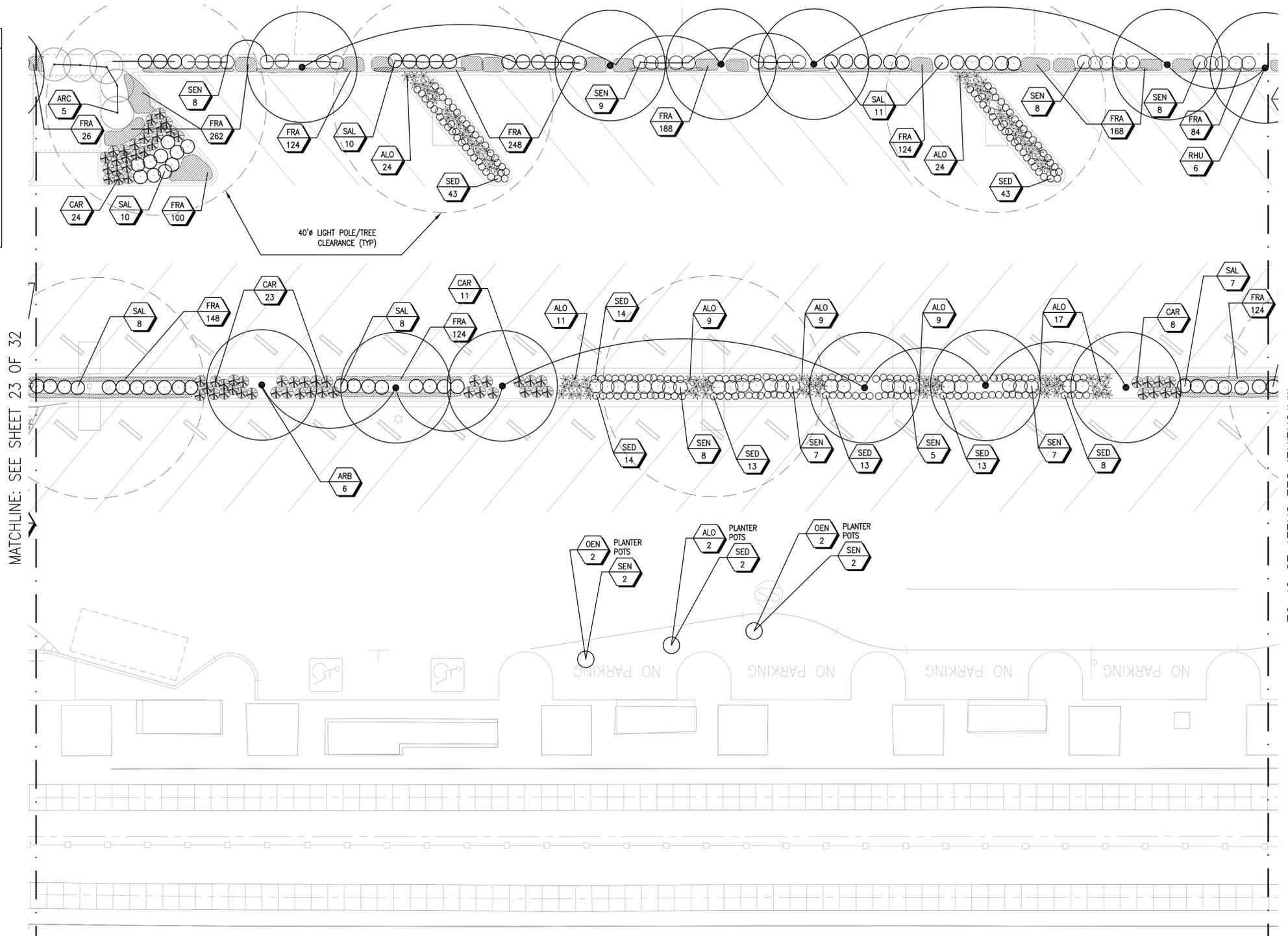
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 LANDSCAPE ARCHITECTURE

KEY	SCIENTIFIC NAME/Common Name	QTY/SIZE	PF/SB*	REMARKS
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TAB	TABERNAEMONTANA / PURPLE TRUMPET TREE	12 / 36" BOX	M / -	STANDARD
SHRUBS				
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 2=1 GALLON; 5=5 GALLON; 10=15 GALLON; 14=24" BOX. PLACE RECOMMENDED TABLETS BETWEEN THE BOTTOM AND THE TOP OF THE ROOT BALL BUT NO HIGHER THAN 1/3 OF THE WAY UP TO THE TOP OF THE ROOT BALL. SPACE TABLETS EQUALLY AROUND THE PERIMETER OF THE ROOT BALL APPROXIMATELY 2" FROM THE ROOT TIPS.
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- PLANT HOLE TO BE TWICE AS WIDE AND DEEP AS THE PLANT ROOT BALL. BACKFILL AND COMPACT TO 80% WITH 60% APPROVED SOIL MATERIAL AND 40% NITROLIZED COMPOST MATERIAL, PER SPECIFICATIONS, UNLESS OTHERWISE NOTED.
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- AFTER PLANTING, ALL PROPOSED SHRUB AND GROUND COVER AREAS ARE TO BE TREATED WITH A PRE-EMERGENT WEED KILLER (EPTAM / RONSTAR). APPLY PER MANUFACTURER'S SPECIFICATIONS: A) IMMEDIATELY AFTER PLANTING, B) AT THE BEGINNING OF THE MAINTENANCE PERIOD, AND C) AT THE END OF THE MAINTENANCE PERIOD.
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- REFER TO GENERAL NOTES FOR ADDITIONAL INFORMATION ON THIS SECTION OF WORK.



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CITY OF COVINA
PEDESTRIAN AND METROLINK STATION IMPROVEMENTS
PLANTING PLAN

Plans Prepared by:
JMD
 PLANNING ENGINEERING & MANAGEMENT
 18445 East Oaks Avenue, Suite 212
 Chino Hills, CA 91708
 (909) 854-1157 Fax
 (909) 854-1158 Fax
 www.jmd.com

UNDER THE SUPERVISION OF:
 JUAN M. DIAZ
 REG. DATE

LANDSCAPE ARCHITECT
 LICENSE # 10000
 Signature: 8/30/2014
 Renewal Date: _____
 Date: _____
 STATE OF CALIFORNIA

Lawrence R. MOSS & Associates

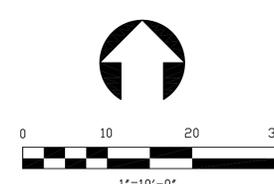
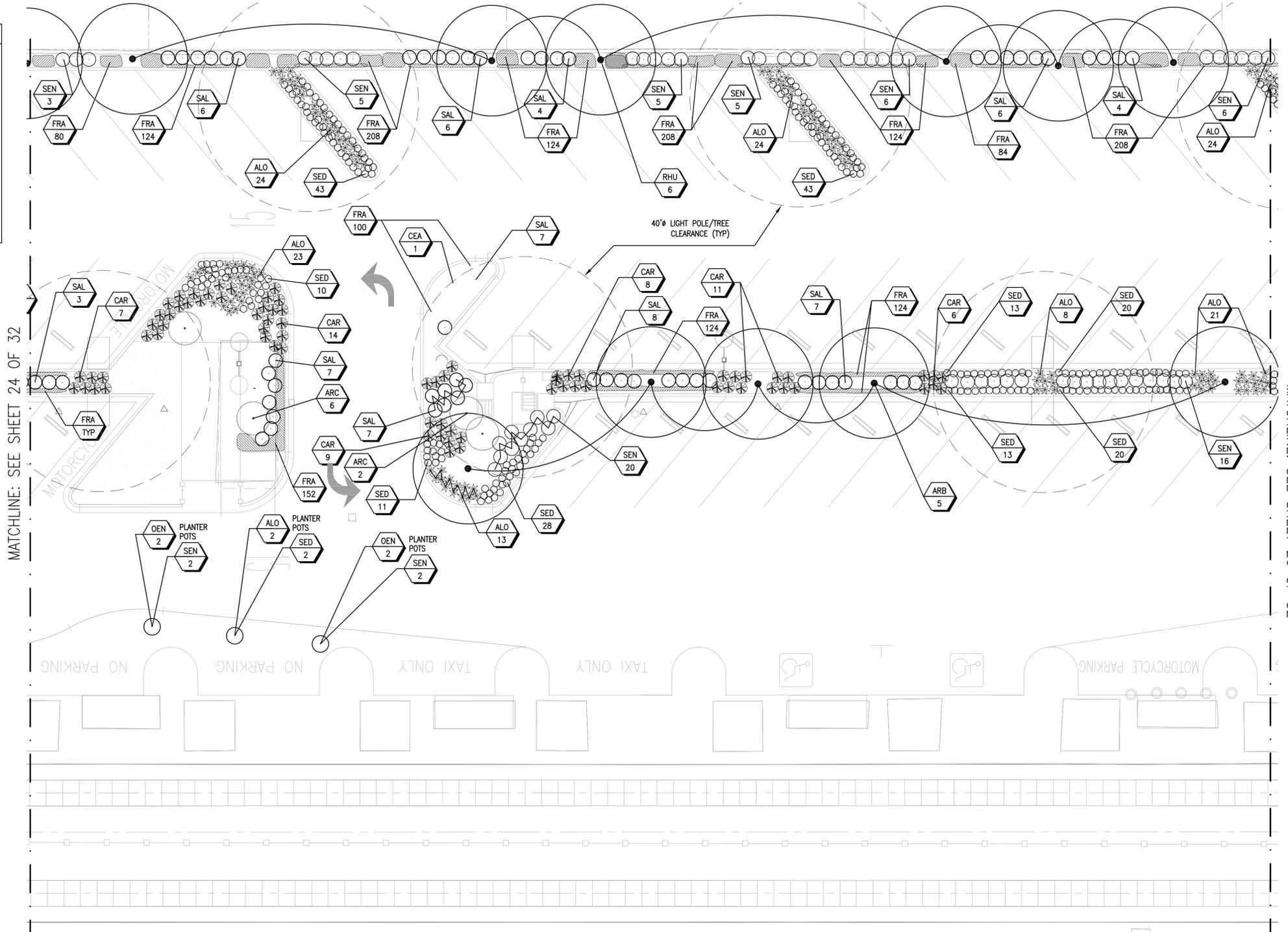
DATE	SUBMITTED _____ CITY ENGINEER	SHEET NO.
SCALE	DATE _____	24 OF 32
DESIGN	APPROVED _____ KALIEH HONISH INTERIM DIRECTOR OF PUBLIC WORKS	PROJECT NO.
DRAWN	DATE _____	T-0814B
CHECKED		HPLUL-5118(016)

KEY	SCIENTIFIC NAME/Common Name	QTY/SIZE	PF/SB*	REMARKS
TREES				
ARB	ARBUTUS UNEDO / STRAWBERRY TREE	17 / 24" BOX	M / -	STANDARD OR MULTI-TRUNK
OLE	OLEA EUROPEA 'SWAN HILL' / SWAN HILL OLIVE	7 / 36" BOX	M / -	MULTI-TRUNK
RHU	RHUS LANCEA / AFRICAN SUMAC	22 / 24" BOX	L / -	STANDARD
TAB	TABERNAEMONTANA / PURPLE TRUMPET TREE	12 / 36" BOX	M / -	STANDARD
SHRUBS				
ALO	ALOE STRIATA / CORAL ALOE	512 / 5 GAL	L / 2	
ARC	ARCTOSTAPHYLOS 'WAYSIDE' / WAYSIDE MANZANITA	54 / 1 GAL	L / 3	
CEA	CEANOTHUS GRISEUS HORIZONTALIS 'CARMEL CREEPER'	59 / 5 GAL	L / 3	
CAR	CAREX PRAEGRACILIS / CLUSTER FIELD SEDGE	742 / 1 GAL	L / 1	
OEN	OENOTHERA BERLANDIERI / MEXICAN PRIMROSE	8 / 1 GAL	L / 1	
SAL	SALVIA GREGGII / AUTUMN SAGE	454 / 1 GAL	L / 2	
SEN	SENECIO MANDRALISCAE / BLUE FINGER	395 / 1 GAL	L / 2	
GROUND COVERS				
FRA	FRAGARIA CHILOENSIS / BEACH STRAWBERRY	5564 / FLATS**	L / 1	6 IN. O.C.
SED	SEDUM SPURIMUM / DRAGON'S BLOOD STONECROP	1069 / 6" POT	L / 1	1 FT. O.C.

*PF=PLANT FACTOR; WUCOLS (REGION#3): VL=VERY LOW; L=LOW; M=MODERATE; H=HIGH /SB=SETBACK FT (CALTRANS)
 **CORRESPONDING QUANTITY SHOWN DENOTES INDIVIDUAL PLANT/PLUG

PLANTING NOTES

- THE PLANTING DRAWING IS DIAGRAMMATIC. THE CONTRACTOR SHALL VERIFY ALL PLANT QUANTITIES, LOCATIONS AND CONDITIONS OF THE SITE PRIOR TO SUBMITTING A BID. THE CONTRACTOR SHALL INSTALL AND MAINTAIN LANDSCAPE PLANTING IN ACCORDANCE WITH ALL APPLICABLE POLICIES/GUIDELINES OF THE OWNER UNLESS NOTED OR DIRECTED OTHERWISE BY THE CLIENT REPRESENTATIVE. ANY AND ALL DISCREPANCIES SHOULD BE BROUGHT TO THE ATTENTION OF THE CLIENT AND LANDSCAPE ARCHITECT PRIOR TO SUBMITTING A BID. IN THE EVENT THAT THIS NOTIFICATION IS NOT GIVEN, THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ANY NECESSARY REVISIONS.
- PRIOR TO ANY EXCAVATION, THE CONTRACTOR SHALL OBTAIN AN UNDERGROUND SERVICE ALERT I.D. NUMBER BY CALLING 1-800-227-2600. TWO (2) WORKING DAYS SHALL BE ALLOWED AFTER THE I.D. NUMBER IS OBTAINED AND BEFORE THE EXCAVATION WORK IS STARTED SO THAT UTILITY OWNERS CAN BE NOTIFIED.
- AT THEIR OWN EXPENSE, THE CONTRACTOR SHALL REPAIR OR REPLACE ALL PROPERTY OR ITEMS DAMAGED BY THEIR WORK TO ITS ORIGINAL CONDITION.
- THE CONTRACTOR SHALL PROVIDE A SUBMITTAL OF ALL PLANTING RELATED MATERIALS TO THE CLIENT REPRESENTATIVE FOR APPROVAL PRIOR TO INSTALLATION. THIS INCLUDES, BUT IS NOT LIMITED TO: TREE PROTECTION MATERIALS, SOIL REPORT FOR EXISTING SOIL, SOIL REPORT FOR ALL IMPORTED SOIL, SOIL AMENDMENTS, FERTILIZERS, HERBICIDES, PESTICIDES, MULCH, STAKING/GUYING MATERIALS, ROOT BARRIERS AND NURSERY RECEIPTS.
- ALL EXISTING PLANT MATERIAL TO BE REMOVED EXCEPT WHERE NOTED ON PLAN.
- NOTE ADDITIONAL REMARKS ON SPECIFIC PLANTS IN PLANT LIST.
- PRIOR TO PLANTING, ALL PLANTED AREAS SHALL RECEIVE THE FOLLOWING AMENDMENTS PER 1,000 SQ. FT. OF SURFACE AREA. ROTO-TILL AMENDMENTS TO A DEPTH OF 6". NOTE: BASED ON SOIL REPORT DATA, ADDITIONAL SOIL AMENDMENTS MAY BE REQUIRED.
 *150 LBS. GRO-POWER
 *3 CU YDS NITROGENIZED, MINERALIZED FIR BARK OR REDWOOD SHAVINGS
 *ADD 8 LBS OF GRO-POWER CONTROLLED RELEASE 12-8-8 PER CU YD OF MIX
 *PROVIDE GRO-POWER PLANT TABLETS AT THE FOLLOWING RATES:
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CITY OF COVINA
PEDESTRIAN AND METROLINK STATION IMPROVEMENTS
PLANTING PLAN

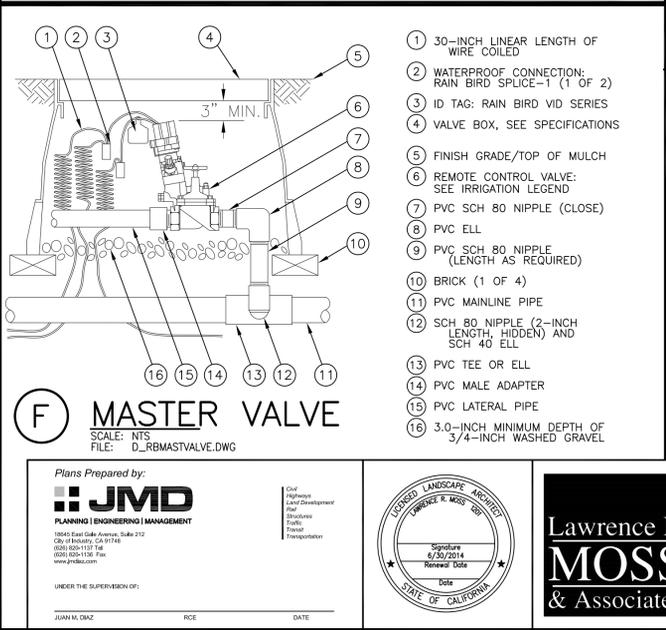
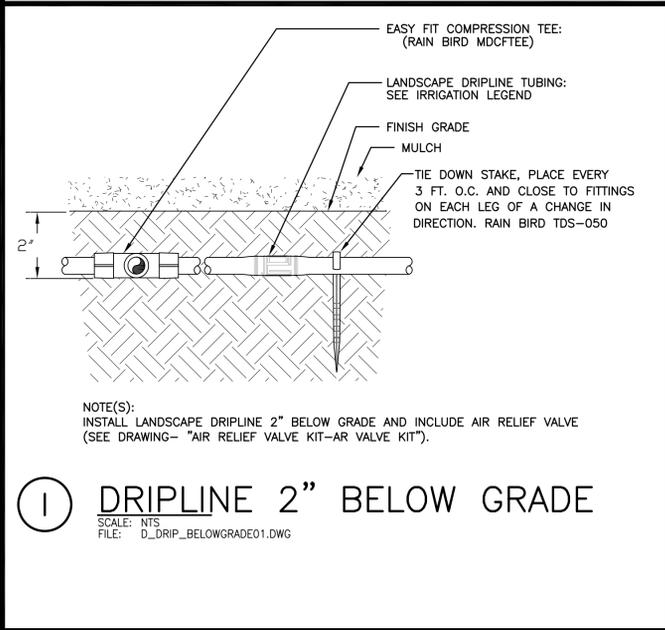
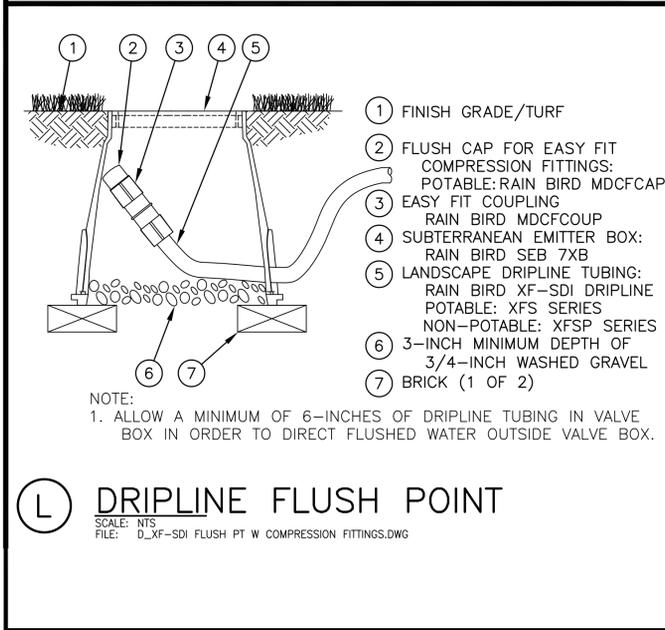
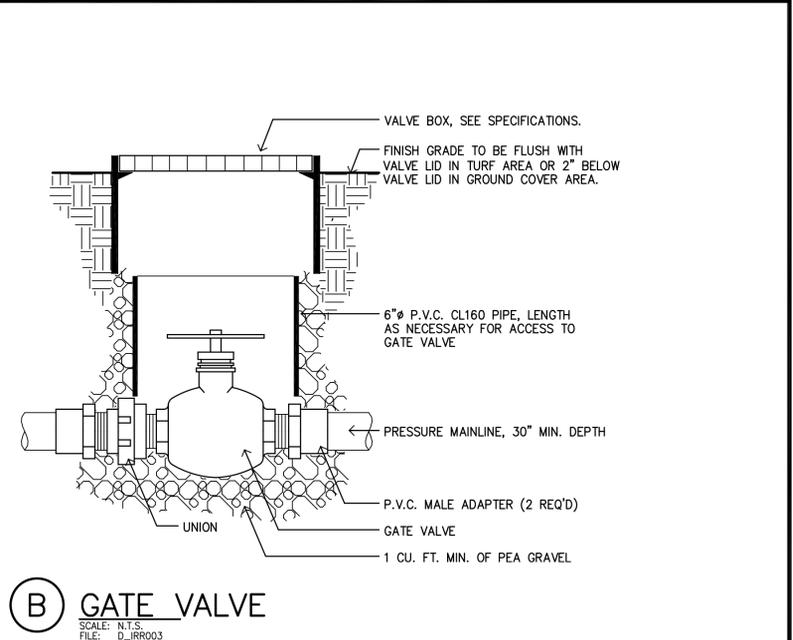
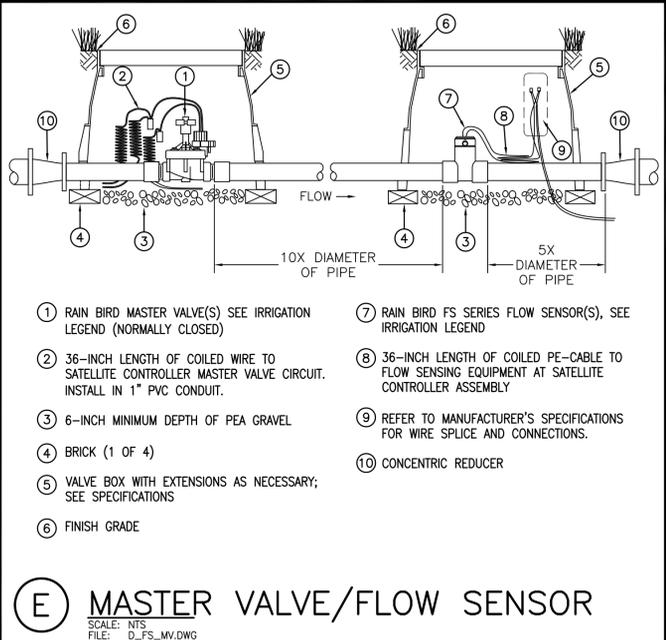
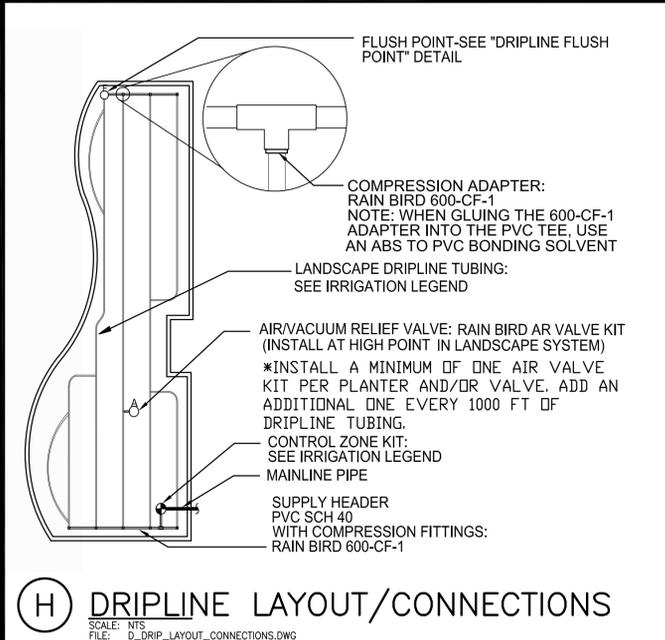
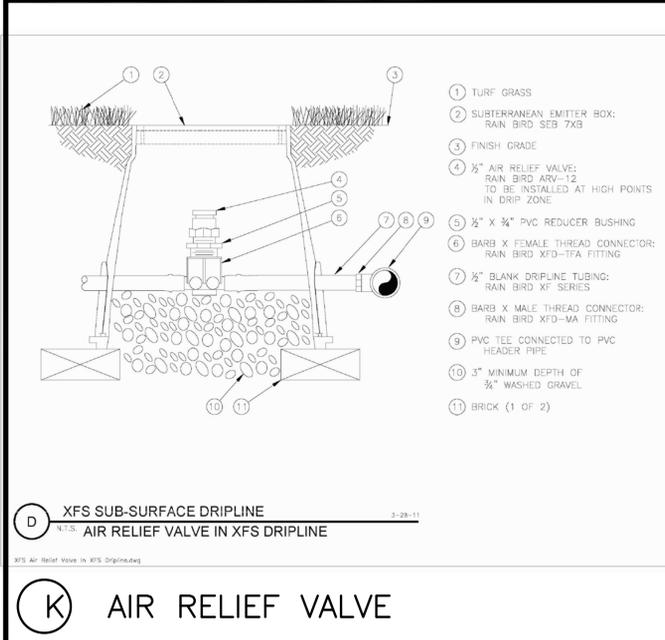
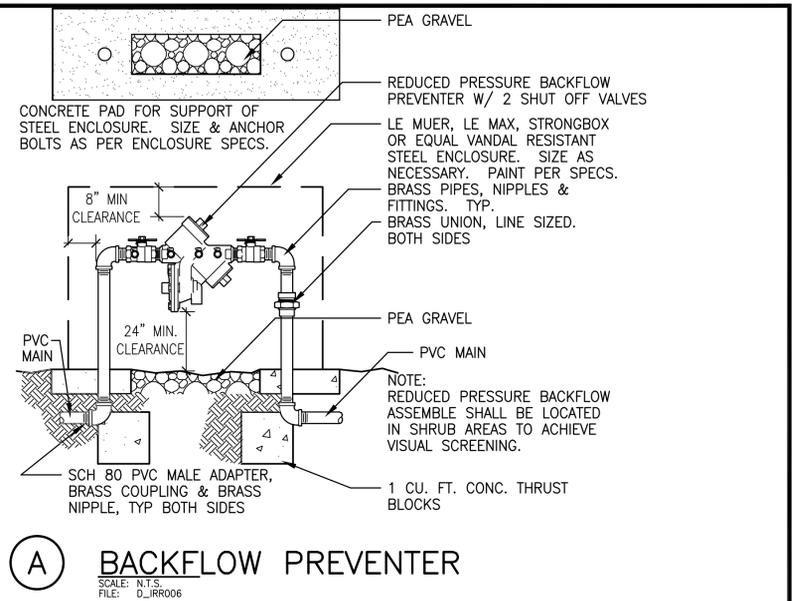
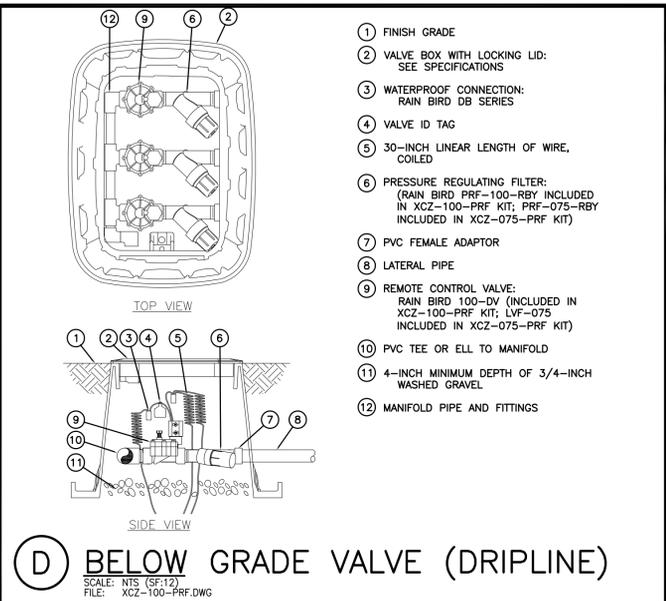
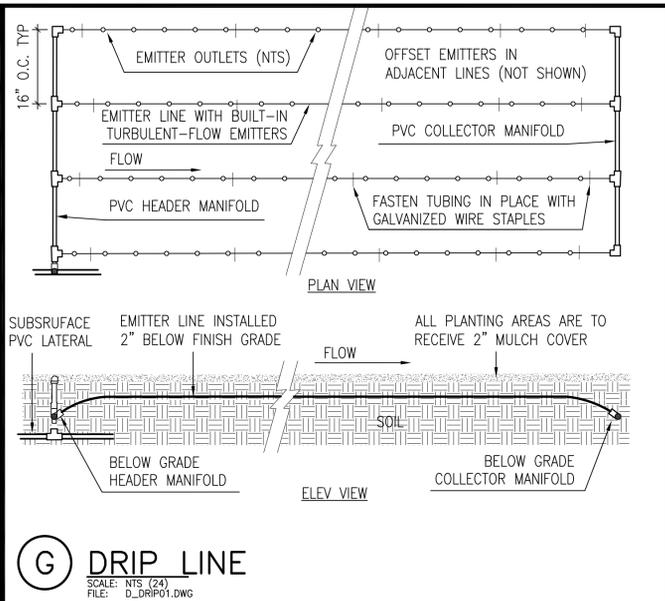
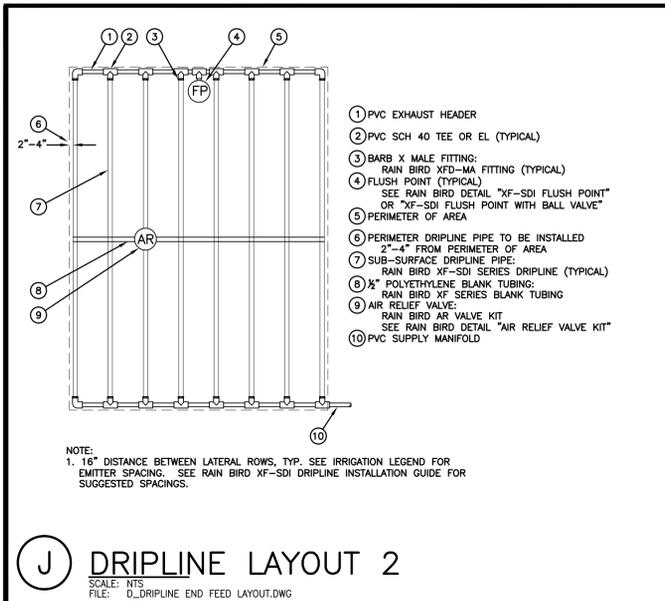
Plans Prepared by:
JMD
 PLANNING | ENGINEERING | MANAGEMENT
 18445 East Oaks Avenue, Suite 212
 Chino Hills, CA 91708
 (909) 854-1137 Fax
 (909) 854-1138 Fax
 www.jmd.com

UNDER THE SUPERVISION OF:
 JUAN M. DIAZ
 REG. DATE

LANDSCAPE ARCHITECT
 LAWRENCE R. MOSS & ASSOCIATES
 Signature: 8/30/2014
 Renewal Date
 State of California

Lawrence R. MOSS & Associates
 LANDSCAPE ARCHITECTURE
 LAWRENCE R. MOSS ASLA & ASSOCIATES INC
 LIC. NO. 1201
 3458 OCEAN VIEW BLVD
 GLENDALE CA 91208
 818 248-5200
 FAX 248-6574

DATE	SUBMITTED	SHEET NO.
SCALE	DATE	25 of 32
DESIGN	APPROVED	PROJECT NO.
DRAWN	DATE	T-0814B
CHECKED		HPLUL-5118(016)



C TRENCHING DETAIL
SCALE: N.T.S.
FILE: D_IRR002

WALK, PAVEMENT, OR OTHER STRUCTURE
6" MIN.
FINISH GRADE
LATERAL LINE
ELEC. CONDUIT OR WIRING
PRESSURE MAIN LINE
CLEAN SAND BACKFILL (IF INDICATED)
MINIMUM BACKFILL RELATIVE COMPACTION SHALL BE 90%
30" MIN. DEPTH
6" MIN.
2" MIN.

NOTES:
1. ALL PLASTIC TUBING TO BE SNAKED IN TRENCHES
2. BUNDLE & TAPE CONTROL WIRES AT 10' INTERVALS
3. TIE A LOOSE 20" LOOP IN WIRING AT CHANGE OF DIRECTION GREATER THAN 30°. UNTIE ALL LOOPS AFTER ALL CONNECTIONS HAVE BEEN MADE
4. UNDER PAVED AREAS, ALL LINES & WIRES SHALL BE SLEEVED WITH SCH. 80 P.V.C. PIPE & SHALL BE 36" IN DEPTH (MIN.)
5. INSTALL ALL CONTROL WIRES ON UNDERSIDE OF MAINLINE PIPE
6. ALL LATERAL PIPE SHALL BE 18" DEPTH MINIMUM.
7. ALL MAINLINE PIPE SHALL BE 30" DEPTH MINIMUM.

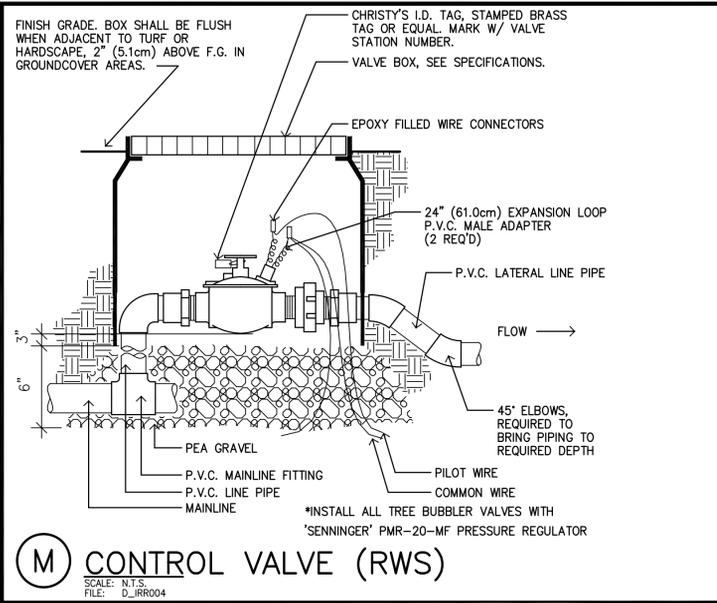
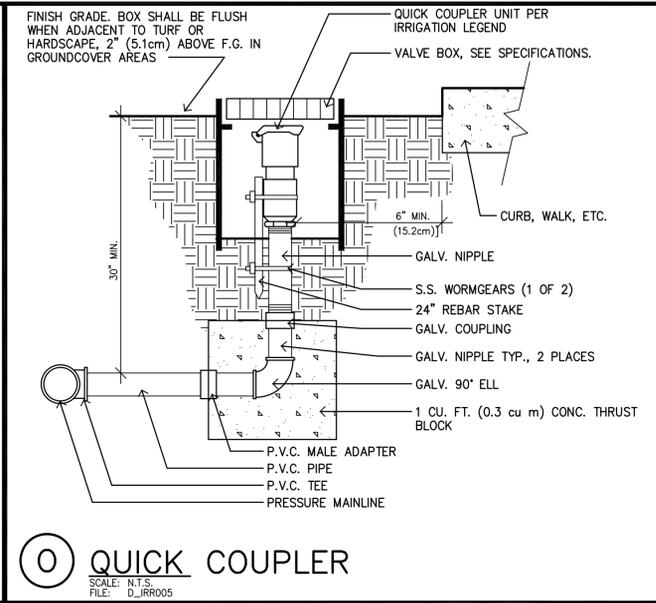
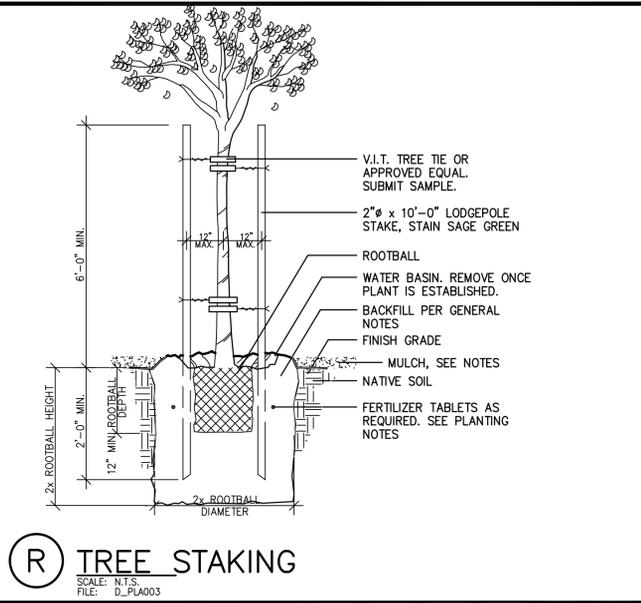
CITY OF COVINA
PEDESTRIAN AND METROLINK STATION IMPROVEMENTS IRRIGATION & PLANTING DETAILS

DATE	SUBMITTED	SHEET NO.
SCALE	DATE	27 OF 32
DESIGN	APPROVED	PROJECT NO.
DRAWN	DATE	T-0814B
CHECKED		HPLUL-5118(016)

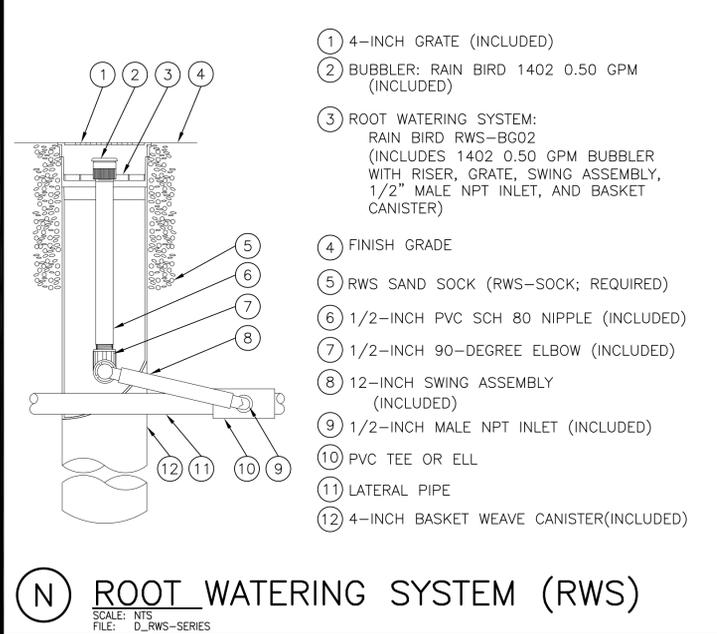
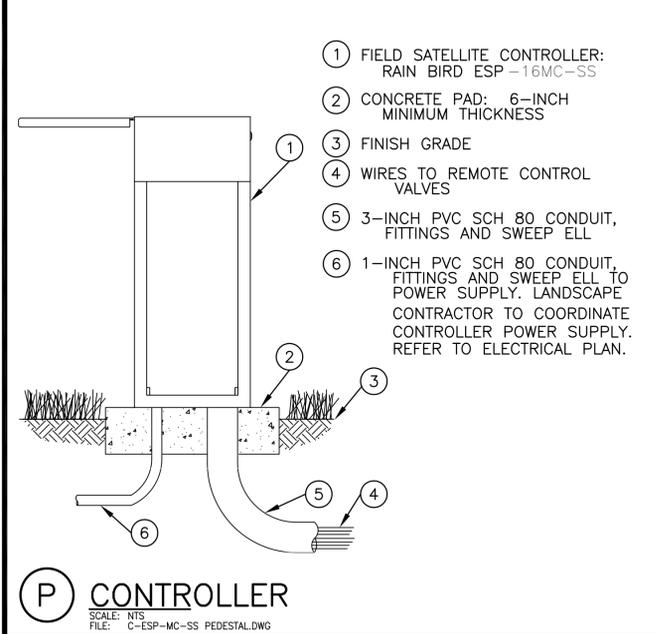
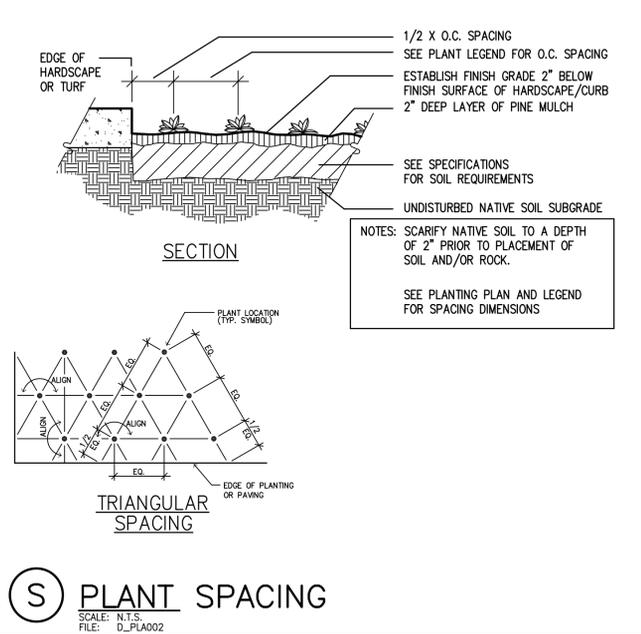
Planned by: **JMD** PLANNING ENGINEERING & MANAGEMENT
1840 East Galena Avenue, Suite 210
Orem, Utah 84057
(801) 825-1117
(801) 825-1118 Fax
www.jmd.com

Lawrence R. Moss ASLA & ASSOCIATES INC
LIC. NO. 1201
3458 OCEAN VIEW BLVD
GLENDALE CA 91208
818 248-5200
FAX 248-6574
LANDSCAPE ARCHITECTURE

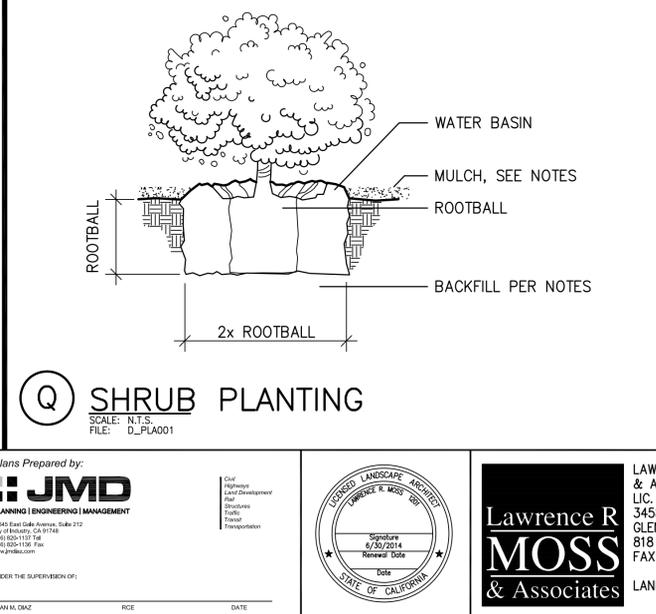
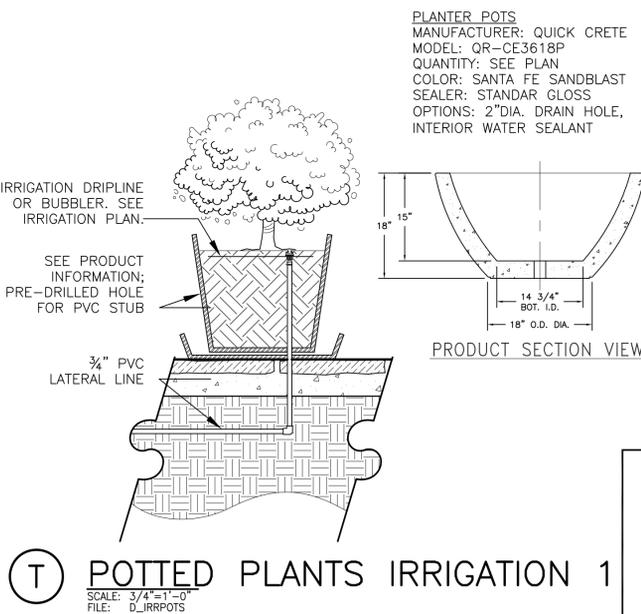
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NOT USED



NOT USED



NOT USED

CITY OF COVINA

PEDESTRIAN AND METROLINK STATION IMPROVEMENTS

IRRIGATION & PLANTING DETAILS

DATE	SUBMITTED _____ <small>CITY ENGINEER</small>	SHEET NO.
SCALE	DATE _____	28 of 32
DESIGN	APPROVED _____ <small>KALIEH HOUSH INTERIM DIRECTOR OF PUBLIC WORKS</small>	PROJECT NO.
DRAWN	DATE _____	T-0814B
CHECKED		<small>HPLUL-5118(016)</small>

Plans Prepared by:

JMD

PLANNING ENGINEERING MANAGEMENT

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Oxnard, California 91320
(805) 800-1157 Fax
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Chief
Highways
Land Development
Site
Planning
Transportation

LANDSCAPE ARCHITECT

LAWRENCE R. MOSS & ASSOCIATES

Signature: 6/20/2014
Reviewed: []
Date: _____
State of California

UNDER THE SUPERVISION OF:

JUAN M. DIAZ

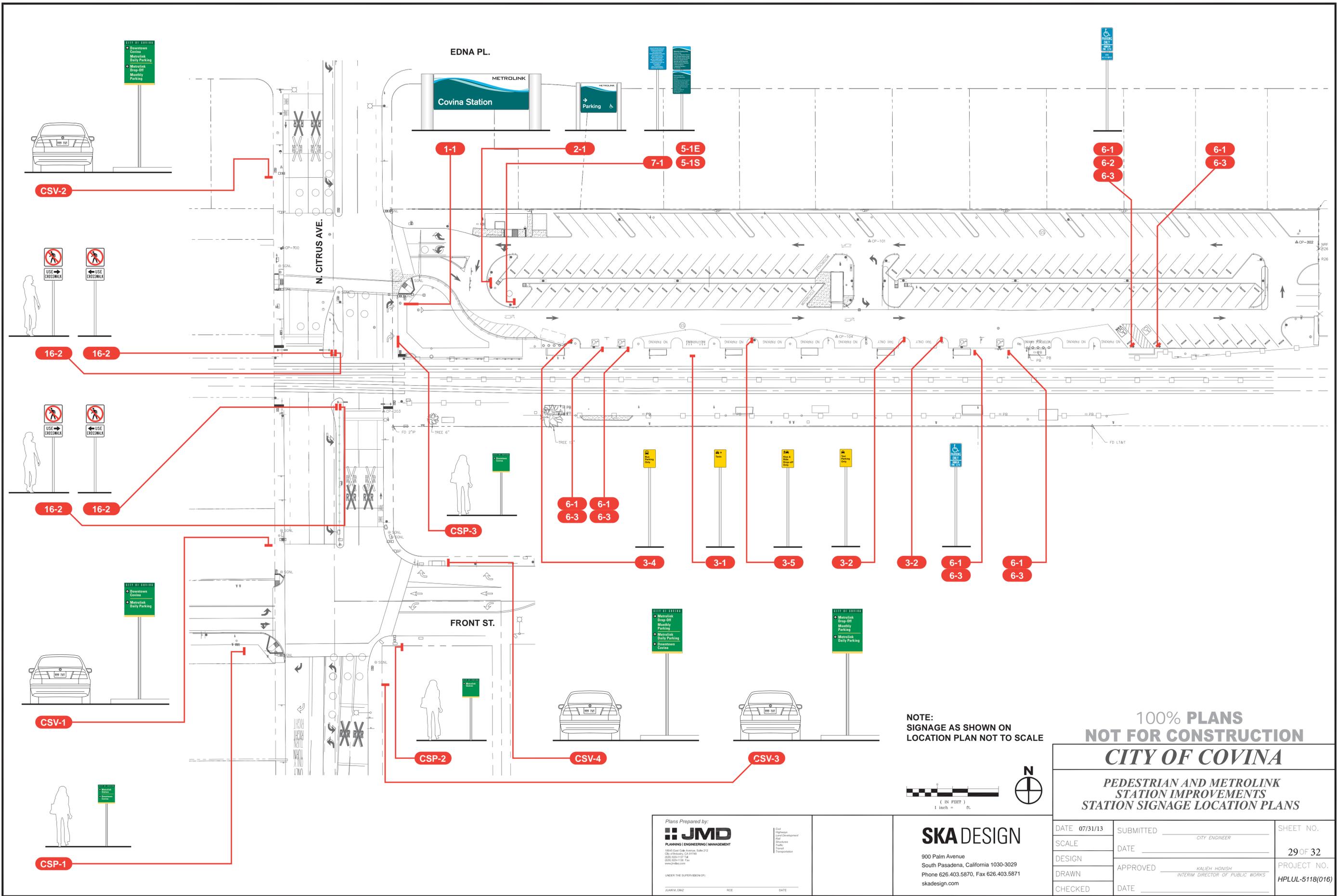
REG. NO. _____

DATE _____

Lawrence R. MOSS & Associates

LANDSCAPE ARCHITECTURE

LAWRENCE R. MOSS ASLA & ASSOCIATES INC
LIC. NO. 1201
3458 OCEAN VIEW BLVD
GLENDALE CA 91208
818 248-5200
FAX 248-6574



NOTE:
SIGNAGE AS SHOWN ON
LOCATION PLAN NOT TO SCALE

100% PLANS
NOT FOR CONSTRUCTION

CITY OF COVINA

**PEDESTRIAN AND METROLINK
STATION IMPROVEMENTS
STATION SIGNAGE LOCATION PLANS**

Plans Prepared by:

JMD
PLANNING | ENGINEERING | MANAGEMENT

18645 East Gable Avenue, Suite 212
Orem, UT 84057-1441
(801) 224-1136 Fax
www.jmdco.com

UNDER THE SUPERVISION OF:
JUAN M. DIAZ RICE DATE

City Engineer
Land Development
Public Works
Public Safety
Transportation

SKA DESIGN

900 Palm Avenue
South Pasadena, California 1030-3029
Phone 626.403.5870, Fax 626.403.5871
skadesign.com

DATE	07/31/13	SUBMITTED	CITY ENGINEER	SHEET NO.	
SCALE		DATE		29 OF 32	
DESIGN		APPROVED	KALIEH HONISH INTERIM DIRECTOR OF PUBLIC WORKS	PROJECT NO.	HPLUL-5118(016)
DRAWN		DATE			
CHECKED					

PROJECT COLORS / PRIMARY

PRIMARY	SECONDARY	WARNING & TRACKS
<ul style="list-style-type: none"> BLACK PMS 3302 WHITE TYPICAL BRIGHT WHITE TEAL PMS 323 LIGHT BLUE PMS 298 SEA GREEN PMS 318 	<ul style="list-style-type: none"> FOREST GREEN PMS 3302 GRAY PMS COOL GRAY 7 	<ul style="list-style-type: none"> ACCESS BLUE PMS 801 RED PMS 193 YELLOW PMS 116 ORANGE PMS 021 GREEN PMS 355 BLUE PMS 542

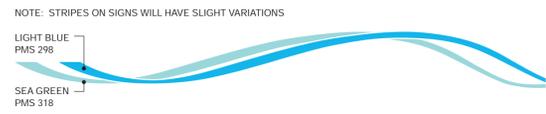
PROJECT SYMBOLS



PROJECT LOGO



PROJECT GRAPHIC STRIPES



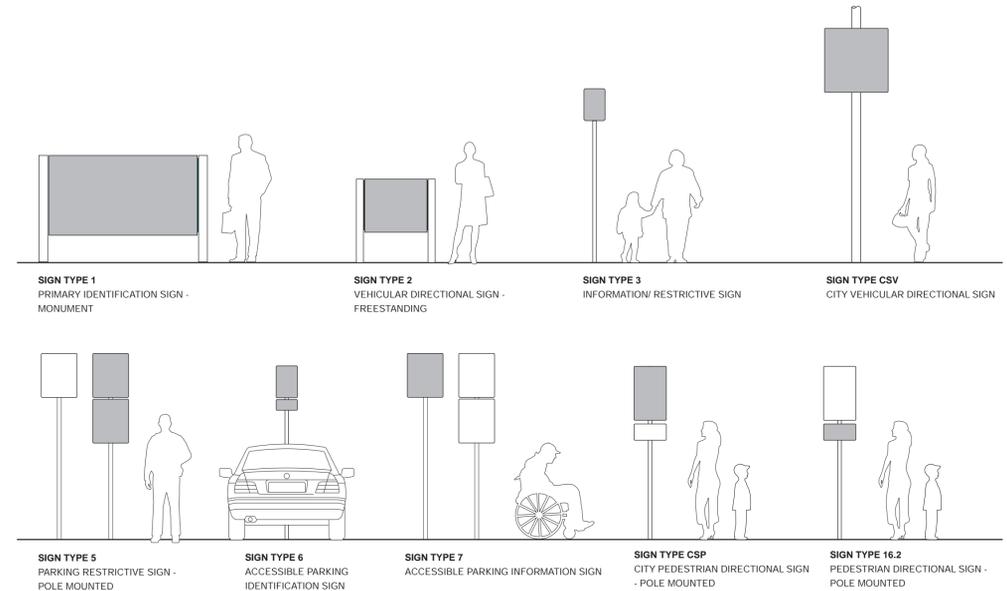
PROJECT TYPOGRAPHY

AKZIDENZ GROTESK MEDIUM
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz
0123456789

AKZIDENZ GROTESK REGULAR
ABCDEFGHIJKLMNOPQRSTUVWXYZ
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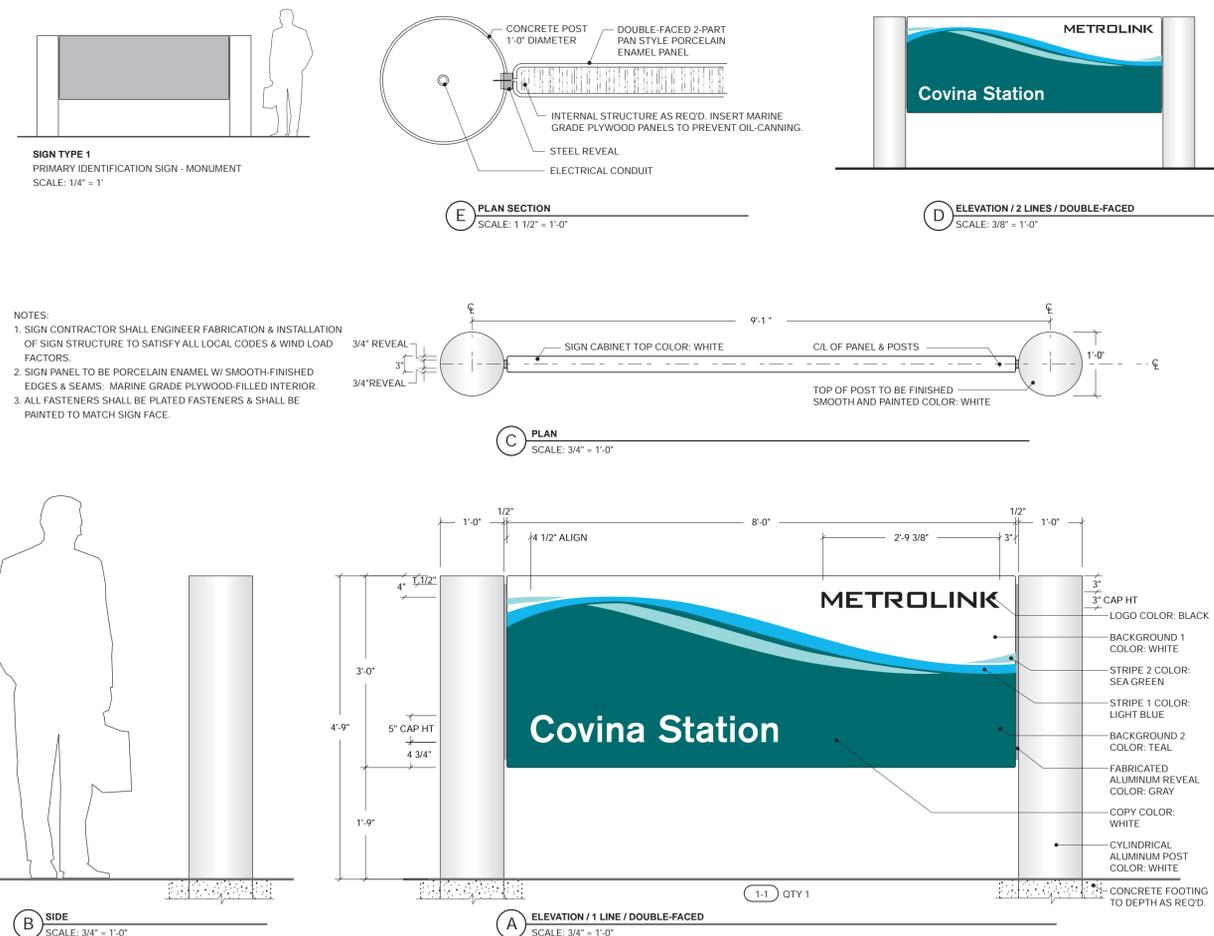
GENERAL NOTES

- ALL TYPESETTING SHALL BE PROVIDED BY SIGN CONTRACTOR. LETTER SPACING TO BE "NORMAL" SPACING FOR ALL SIGNS EXCEPT AS SPECIFIED OTHERWISE. SIGN CONTRACTOR SHALL PROVIDE SKA WITH TYPICAL SPACING PATTERNS FOR APPROVAL PRIOR TO FABRICATION.
- ALL INSTALLATION LOCATIONS & CONDITIONS SHALL BE FIELD VERIFIED PRIOR TO FABRICATION.
- ALL SIGNS SHALL BE INSTALLED AS PER EXISTING/CURRENT CODE REQUIREMENTS FOR SAFE & SECURE MOUNTING.
- SIGN CONTRACTOR SHALL COORDINATE ALL SIGN INSTALLATIONS WITH METROLINK.
- SIGN CONTRACTOR SHALL REFER TO SPECIFICATIONS FOR ALL MATERIAL DETAILS & SPECIFIC INSTRUCTIONS.
- SIGN CONTRACTOR SHALL PROVIDE ALL ENGINEERING OF SIGN & GRAPHIC ITEMS INCLUDING, BUT NOT LIMITED TO, INTERNAL STRUCTURE, ELECTRICAL & MECHANICAL PARTS, CONCRETE FOOTINGS & APPLICABLE CODES & REGULATIONS. SHOP DRAWINGS SHALL CARRY THE ENGINEER'S STAMP & BE SIGNED BY A CALIFORNIA REGISTERED CIVIL ENGINEER.
- SIGN CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR ALL SIGNS. ALL ATTACHMENT DETAILS SHALL BE SHOWN ON SHOP DRAWINGS & DRAWINGS SHALL BE SUBMITTED TO SKA FOR APPROVAL PRIOR TO FABRICATION.
- ALL EXPOSED SIGN SURFACES, ATTACHMENTS, EDGES & SEAMS SHALL BE PAINTED OR PORCELAINIZED AS NOTED TO PREVENT RUST.
- NO SIGN SHALL BE INSTALLED WITHIN THE PUBLIC UTILITIES COMMISSION CLEARANCE ENVELOPE. POST, POLES AND SIGNS MUST HAVE A MINIMUM CLEARANCE OF 8'-6" TO CENTER OF TANGENT TRACK.

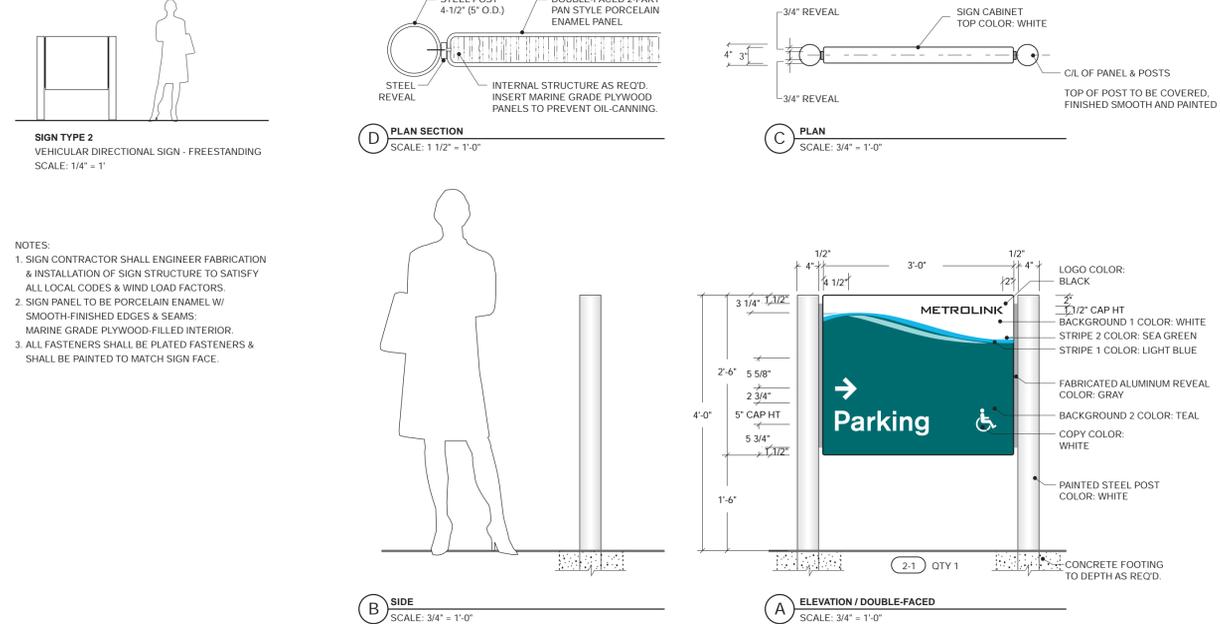


GRAPHICS STANDARDS 1

GENERAL NOTES / SIGN TYPE MENU 2



SIGN TYPE 1 PRIMARY IDENTIFICATION SIGN - MONUMENT 3



SIGN TYPE 2 VEHICULAR DIRECTIONAL SIGN - FREESTANDING 4

**100% PLANS
 NOT FOR CONSTRUCTION
 CITY OF COVINA**

**PEDESTRIAN AND METROLINK
 STATION IMPROVEMENTS
 STATION SIGNAGE LOCATION PLANS**

Plans Prepared by: JMD PLANNING ENGINEERING MANAGEMENT 10645 East Gable Avenue, Suite 212 Orem, UT 84057-1441 (801) 223-1131 Fax www.jmd.com	SKA DESIGN 900 Palm Avenue South Pasadena, California 1030-3029 Phone 626.403.5870, Fax 626.403.5871 skadesign.com	DATE _____	SUBMITTED _____	SHEET NO.
		SCALE _____	DATE _____	30 OF 32
DESIGN _____	APPROVED _____	PROJECT NO.	HPLUL-5118(016)	
DRAWN _____	DATE _____			
CHECKED _____	DATE _____			

COLOR SCHEDULE:

No.	Color No.	Color Name	Finish
2	PMS 349C	Medium Green	Satin
4	PMS 607C	Cream	Satin
5	PMS 3308C	Dark Green	Satin
7	Matt 41342SP	Brushed Aluminum	
10	PMS 136C	Yellow	Satin
11	PMS Black C	Black	Satin
12	3M VIP #3990	White	Diamond Grade Vinyl

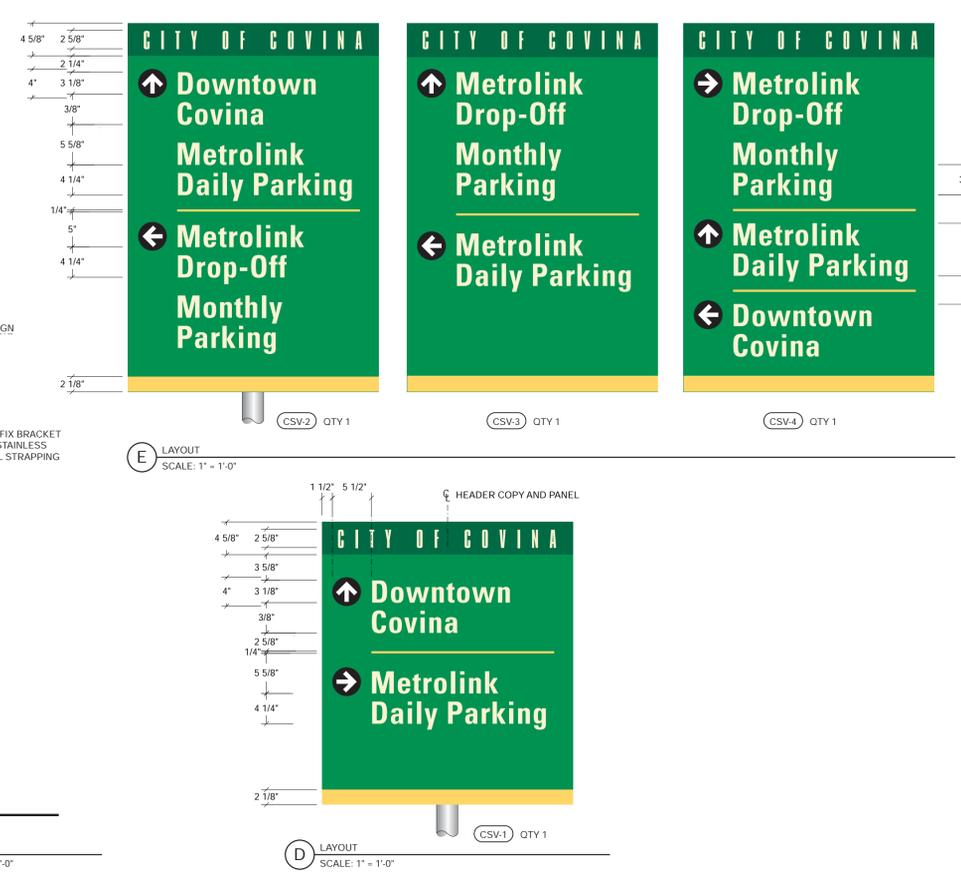
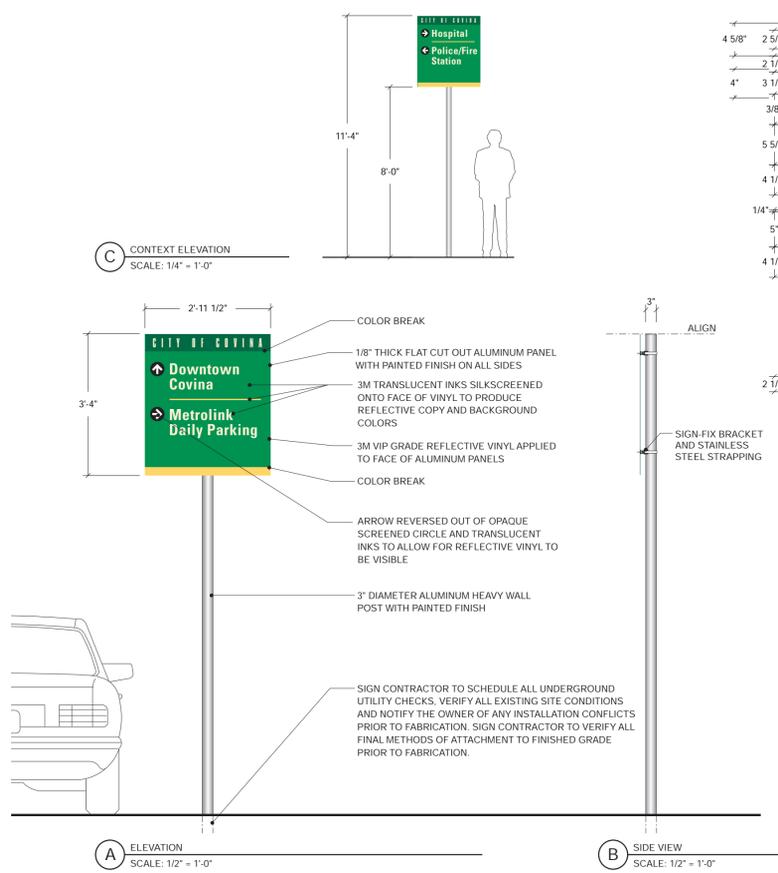
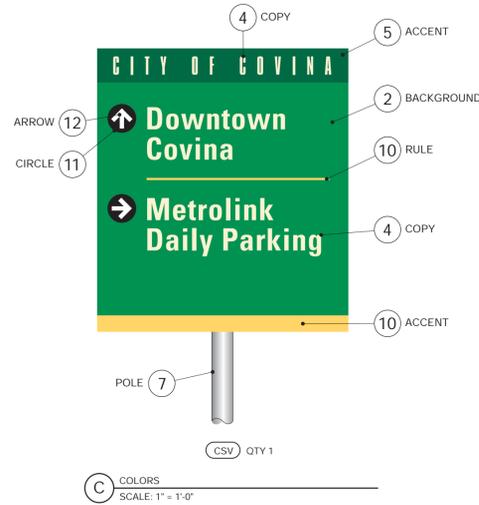
Matt - Matthews Paint EGL - EGL Neon Products
3M - 3M Traffic Control Materials

COLOR SCHEDULE
SCALE: NTS

UNIVERS 67
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz1234567890

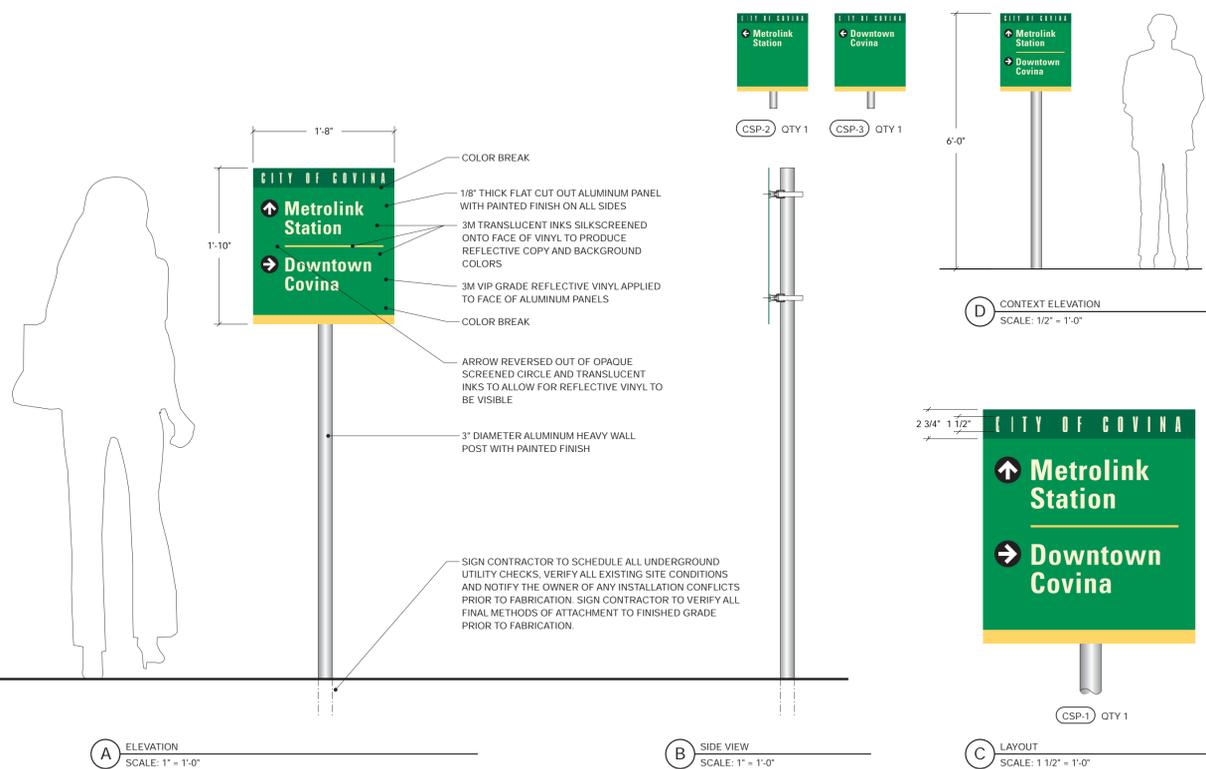
BERKTHOLD AKZIDENZ GROTESK CONDENSED
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TYPOGRAPHY
SCALE: NTS

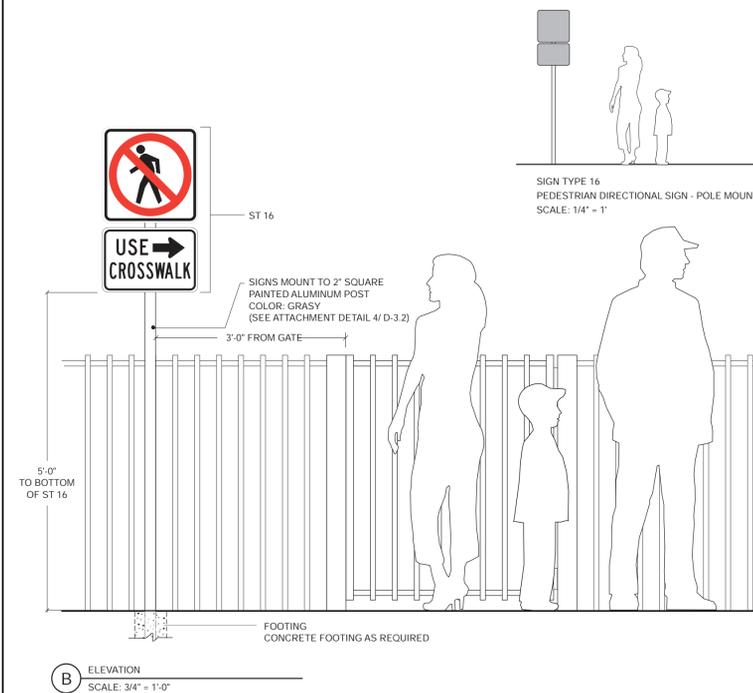


SIGN TYPE CSV CITY VEHICULAR DIRECTIONAL SIGN - GRAPHICS STANDARDS 1

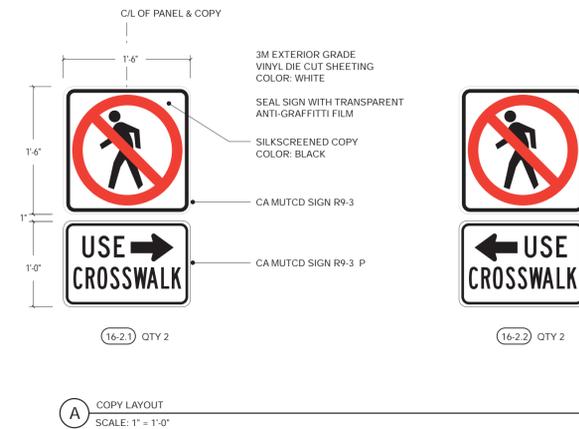
SIGN TYPE CSV CITY VEHICULAR DIRECTIONAL SIGN 2



SIGN TYPE CSP CITY PEDESTRIAN DIRECTIONAL SIGN - POLE MOUNT 3



SIGN TYPE 16.2 PEDESTRIAN DIRECTIONAL SIGN - POLE MOUNT 4



COPY LAYOUT
SCALE: 1" = 1'-0"

100% PLANS
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CITY OF COVINA

PEDESTRIAN AND METROLINK STATION IMPROVEMENTS STATION SIGNAGE LOCATION PLANS

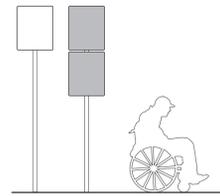
JMD
PLANNING ENGINEERING MANAGEMENT
18645 East Gable Avenue, Suite 212
Oro Valley, AZ 85165
(480) 820-1111
(480) 820-1118 Fax
www.jmd.com

Under the supervision of:
JUAN M. DIAZ RCE DATE

SKA DESIGN

900 P A
S P C 1030-3029
P 626.403.5870, F 626.403.5871

DATE	SUBMITTED _____ CITY ENGINEER	SHEET NO.
SCALE	DATE _____	31 OF 32
DESIGN	APPROVED _____ KALIEH HONISH INTERIM DIRECTOR OF PUBLIC WORKS	PROJECT NO.
DRAWN	DATE _____	HPLUL-5118(016)
CHECKED		

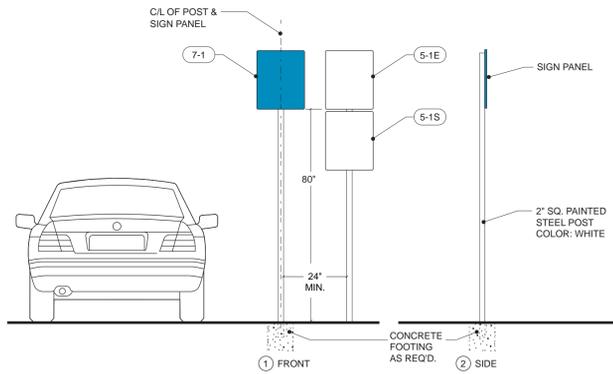


SIGN TYPE 7
ACCESSIBLE PARKING INFORMATION SIGN
SCALE: 1/4" = 1'

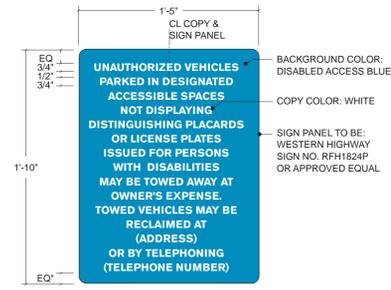
- NOTES:
1. SIGN COPY AND FINISHES SHALL CONFORM TO CALIFORNIA ACCESSIBILITY STANDARDS.
2. PAINT BACK OF SIGN PANEL BLUE.
3. PHONE NUMBERS AND ADDRESS TO BE PROVIDED BY CITY PRIOR TO FABRICATION.
4. ACCESSIBILITY PARKING SIGNS WHICH ARE SIMILAR TO THOSE SHOWN IN OUR STANDARDS MUST COMPLY WITH THE AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES AND CALIFORNIA ACCESSIBILITY REGULATIONS CONTAINED IN TITLE 24, CALIFORNIA CODE OF REGULATIONS.



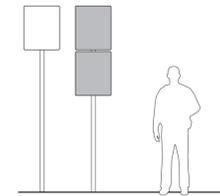
C ATTACHMENT DETAIL - PLAN SECTION
SCALE: 1 1/2" = 1'-0"



B ELEVATIONS
SCALE: 3/8" = 1'-0"



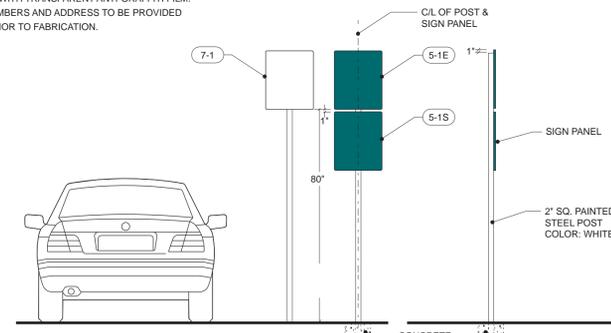
A COPY LAYOUT 7-1 QTY 1
SCALE: 1" = 1'-0"



SIGN TYPE 5
PARKING RESTRICTIVE SIGN - POLE MOUNTED
SCALE: 1/4" = 1'

- NOTES:
1. CONTINUE PAINT COLOR USED ON FRONT SURFACE OF SIGNS AROUND EDGES.
2. PAINT BACK SIGN PANEL TEAL.
3. ALL FASTENERS SHALL BE PLATED AND PAINTED TO MATCH SURROUNDING COLOR.
4. SEAL SIGN WITH TRANSPARENT ANTI-GRAFFITI FILM.
5. PHONE NUMBERS AND ADDRESS TO BE PROVIDED BY CITY PRIOR TO FABRICATION.

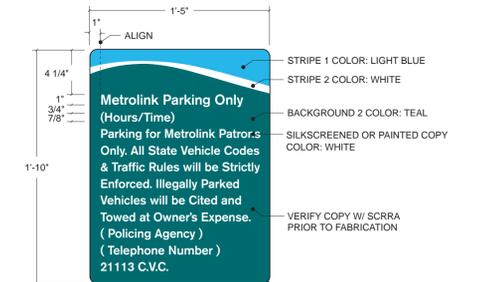
D ATTACHMENT DETAIL - PLAN SECTION
SCALE: 1 1/2" = 1'-0"



B ELEVATIONS
SCALE: 3/8" = 1'-0"



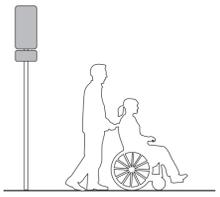
C COPY LAYOUT 5-1S QTY 1
SCALE: 1" = 1'-0"



A COPY LAYOUT 5-1E QTY 1
SCALE: 1" = 1'-0"

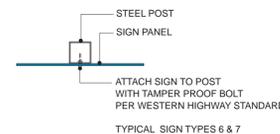
SIGN TYPE 7 ACCESSIBLE PARKING INFORMATION SIGN 1

SIGN TYPE 5 PARKING RESTRICTIVE SIGN - POLE MOUNTED 2

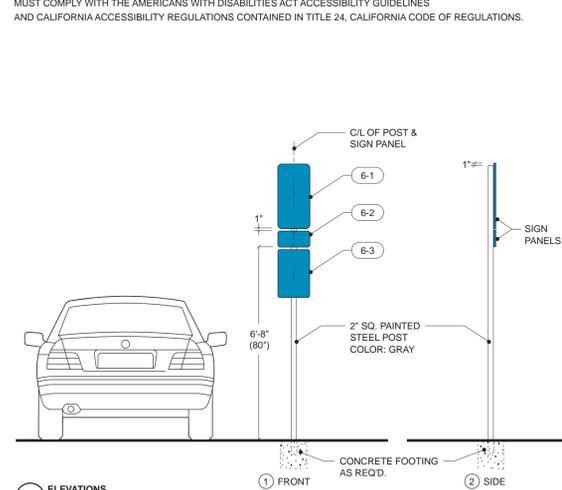


SIGN TYPE 6
ACCESSIBLE PARKING IDENTIFICATION SIGN
SCALE: 1/4" = 1'

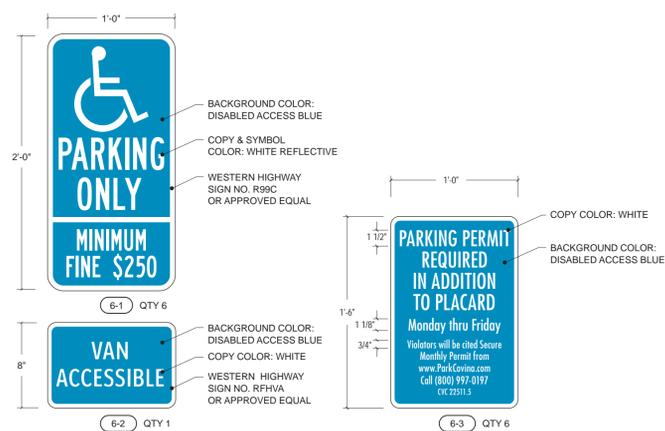
- NOTES:
1. SIGN COPY AND FINISHES SHALL CONFORM TO CALIFORNIA ACCESSIBILITY STANDARDS.
2. PAINT BACK OF SIGN PANEL BLUE.
3. ACCESSIBILITY PARKING SIGNS WHICH ARE SIMILAR TO THOSE SHOWN IN OUR STANDARDS MUST COMPLY WITH THE AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES AND CALIFORNIA ACCESSIBILITY REGULATIONS CONTAINED IN TITLE 24, CALIFORNIA CODE OF REGULATIONS.



C ATTACHMENT DETAIL - PLAN SECTION
SCALE: 1 1/2" = 1'-0"



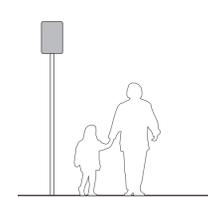
B ELEVATIONS
SCALE: 3/8" = 1'-0"



A COPY LAYOUTS 6-1 QTY 6
SCALE: 1 1/2" = 1'-0"

NOTE: THIS SIGN ATTACHES TO POST 1" BELOW BOTTOM EDGE OF EXISTING ACCESSIBLE PARKING ONLY SIGNS

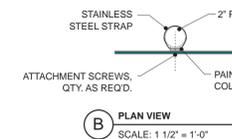
SIGN TYPE 6 ACCESSIBLE PARKING IDENTIFICATION SIGN 3



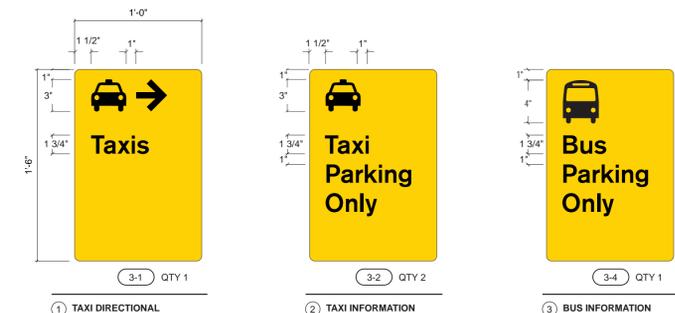
SIGN TYPE 3
INFORMATION / RESTRICTIVE SIGN
SCALE: 1/4" = 1'

- NOTES:
1. DIMENSIONS & NOTES TYPICAL EXCEPT AS NOTED.
2. CONTINUE PAINT COLOR USED ON FRONT SURFACE OF SIGNS TO SIDES.
3. SEAL SIGNS WITH TRANSPARENT ANTI-GRAFFITI FILM.

A ATTACHMENT DETAILS
NTS



B PLAN VIEW
SCALE: 1 1/2" = 1'-0"



A COPY LAYOUTS 3-1 QTY 1
SCALE: 1 1/2" = 1'-0"

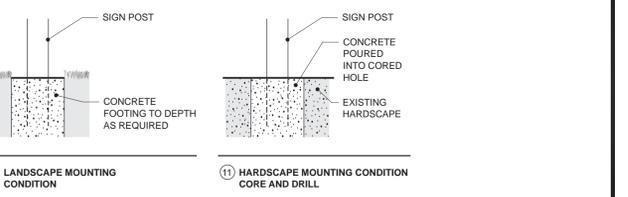
SIGN TYPE 3 INFORMATION / RESTRICTIVE SIGN 4

Plans Prepared by:
JMD
PLANNING ENGINEERING | MANAGEMENT
18645 East Gable Avenue, Suite 212
Oro Valley, Arizona 85165
(480) 834-1131 (M)
(480) 834-1134 (F)
www.jmd.com

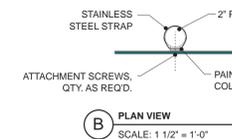
UNDER THE SUPERVISION OF:
JUAN M. DIAZ
RCE
DATE

SKA DESIGN
900 Palm Avenue
South Pasadena, California 1030-3029
Phone 626.403.5870, Fax 626.403.5871
skadesign.com

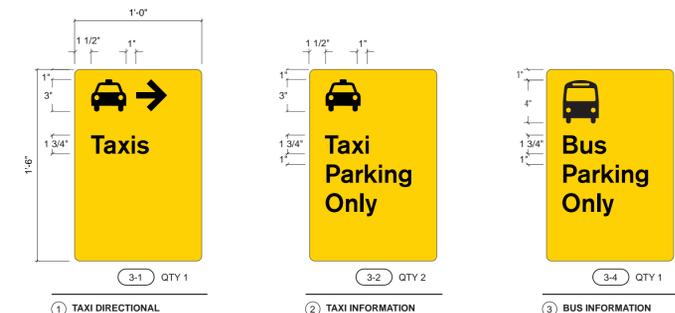
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900 Palm Avenue
South Pasadena, California 1030-3029
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skadesign.com



A ATTACHMENT DETAILS
NTS



B PLAN VIEW
SCALE: 1 1/2" = 1'-0"

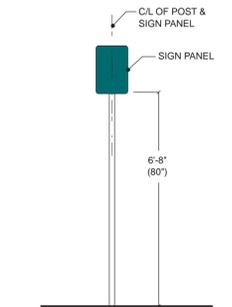


A COPY LAYOUTS 3-1 QTY 1
SCALE: 1 1/2" = 1'-0"



3-5 QTY 1

4 TAXI INFORMATION



C ELEVATIONS / MOUNTING CONDITIONS
SCALE: 3/8" = 1'-0"

100% PLANS
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CITY OF COVINA

PEDESTRIAN AND METROLINK
STATION IMPROVEMENTS
STATION SIGNAGE LOCATION PLANS

DATE	SUBMITTED	SHEET NO.
SCALE	DATE	32 OF 32
DESIGN	APPROVED	PROJECT NO.
DRAWN	DATE	HPLUL-5118(016)
CHECKED		