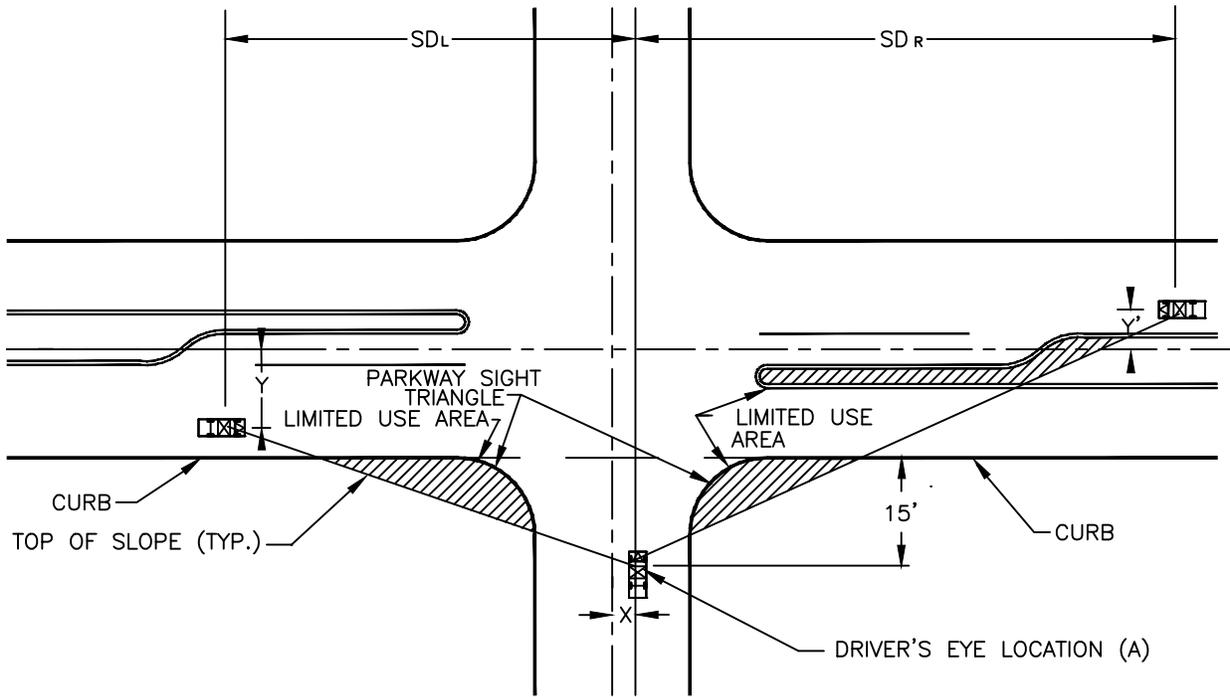


SECTION 800

TRAFFIC

<u>PLAN NO.</u>	<u>DESCRIPTION</u>
800-1	SIGHT DISTANCE DETAIL
800-2	SIGHT DISTANCE DETAIL NOTES
801	PAINTED CROSSWALK AT INTERSECTION
802-1	OFF STREET PARKING
802-2	OFF STREET PARKING
802-3	OFF STREET PARKING
803-1	STREET SIGN ASSEMBLY
803-2	STREET SIGN ASSEMBLY NOTES
804	STREET NAME SIGNS
805-1	SINGLE METER UNDERGROUND SERVICE PEDESTAL
805-2	SINGLE METER UNDERGROUND SERVICE PEDESTAL ELECTRIC CIRCUITRY
805-3	SINGLE METER UNDERGROUND SERVICE PEDESTAL ELECTRIC CIRCUITRY
805-4	DUAL METER UNDERGROUND SERVICE PEDESTAL
805-5	DUAL METER UNDERGROUND SERVICE PEDESTAL ELECTRIC CIRCUITRY
805-6	DUAL METER UNDERGROUND SERVICE PEDESTAL ELECTRIC CIRCUITRY
806	TYPE Q AND R7 INSTALLATION
807-1	MODIFICATION TO CITY AND EDISON STREET LIGHTING SYSTEMS
807-2	MODIFICATION TO CITY AND EDISON STREET LIGHTING SYSTEMS
808	TEMPORARY SIGNAL WIRING DETAIL
809	TRAFFIC SIGNAL POLE TERMINAL JUNCTION BOX
810	MIDBLOCK CROSSWALK DETAIL
811	CAT TRACKING DETAIL FOR DUAL LEFT TURN LANES
812	MEDIAN RPM DETAIL



	NON-SIGNALIZED		SIGNALIZED
	SD _L	SD _R	SD _L = SD _R
MAJOR	650 FT.	800 FT.	650 FT.
PRIMARY	600 FT.	700 FT.	600 FT.
SECONDARY	500 FT.	600 FT.	500 FT.
COLLECTOR	325 FT.	450 FT.	325 FT.
LOCAL	250 FT.	275 FT.	250 FT.

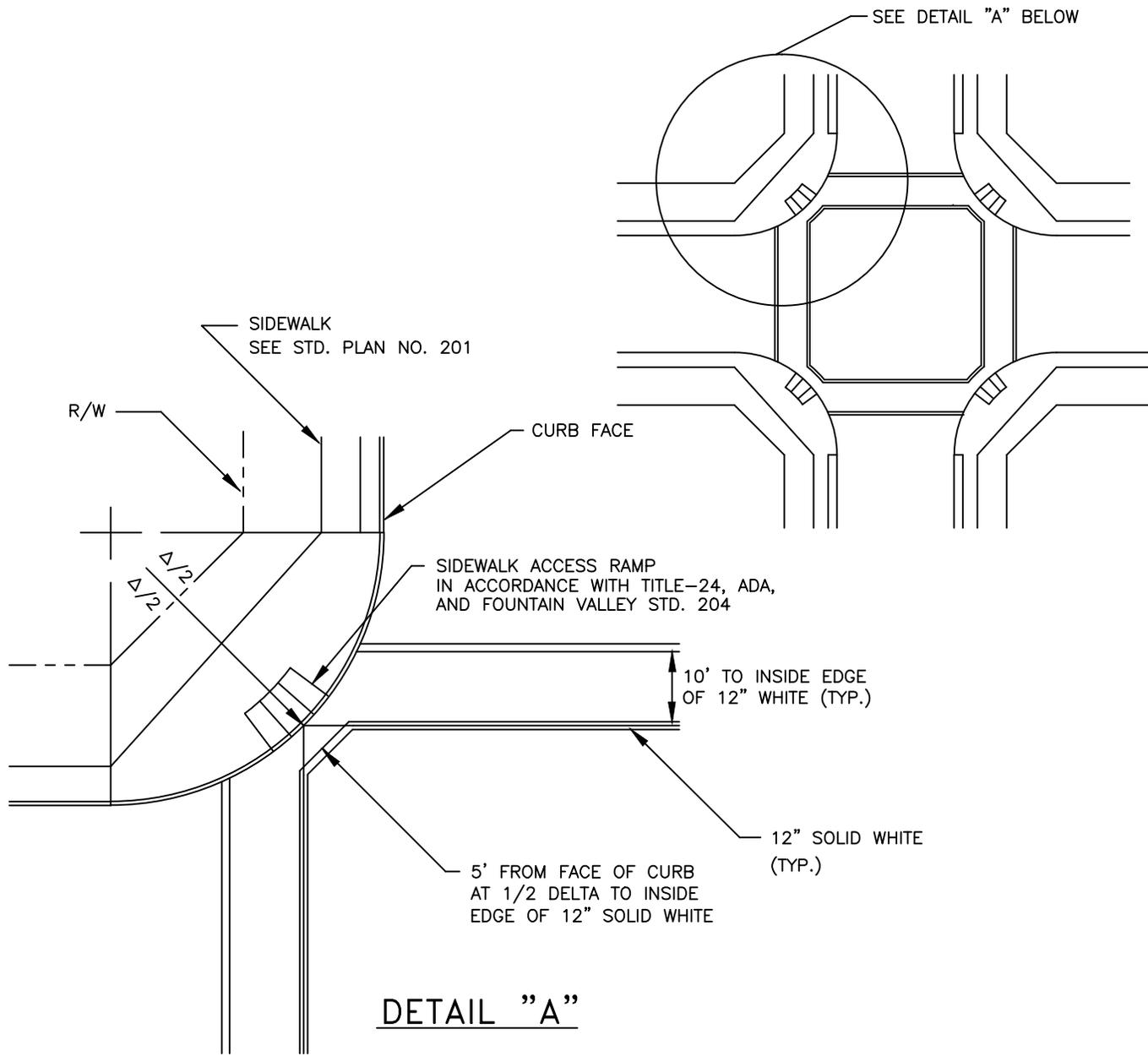
REVISIONS	CITY OF FOUNTAIN VALLEY	STANDARD PLAN NO. 800 - 1
	SIGHT DISTANCE DETAIL	
	<div style="display: flex; justify-content: space-between;"> <div style="font-size: small;"> APPROVED BY: MARK LEWIS R.O.E. 49335 CITY ENGINEER </div> <div style="font-size: x-small;">DATE: 04/01/15</div> </div>	

NOTES:

1. THE LIMITED USE AREA IS DETERMINED BY THE GRAPHICAL METHOD USING THE APPROPRIATE DISTANCES GIVEN IN THE ABOVE TABLE. IT SHALL BE USED FOR THE PURPOSE OF PROHIBITING OR CLEARING OBSTRUCTIONS TO MAINTAIN ADEQUATE SIGHT DISTANCE AT INTERSECTIONS.
2. THE LINE OF SIGHT SHALL BE SHOWN AT INTERSECTIONS ON ALL LANDSCAPING PLANS, GRADING PLANS, AND TENTATIVE TRACT PLANS WHERE SAFE SIGHT DISTANCE IS QUESTIONABLE. IN CASES WHERE AN INTERSECTION IS LOCATED ON A VERTICAL CURVE, A PROFILE OF THE SIGHT LINE MAY BE REQUIRED.
3. WALLS OR ANY OBSTRUCTIONS THAT COULD RESTRICT THE VIEW WITHIN THE LIMITED USE AREA SHALL NOT BE PERMITTED.
4. THE TOE OF THE SLOPE SHALL NOT ENCROACH INTO THE LIMITED USE AREA.
5. THE LIMITED USE AREA SHALL BE AS NEAR LEVEL AS POSSIBLE YET MAINTAIN PROPER DRAINAGE.
6. PLANTS AND SHRUBS WITHIN THE LIMITED USE AREA SHALL BE OF THE TYPE THAT WILL GROW NO HIGHER THAN 30 INCHES ABOVE THE CURB ADJACENT TO THE LIMITED USE AREA.
7. POINT (A) IS THE LOCATION OF THE DRIVER'S LINE OF SIGHT WHILE IN A VEHICLE AT AN INTERSECTION 15 FEET BACK FROM THE PROJECTION OF THE TRAVEL THROUGHWAY. THE DISTANCE X IS THE DISTANCE MEASURED FROM THE CENTER LINE OF THE ROAD TO THE CENTER LINE OF THE NUMBER ONE THROUGH LANE. THE DISTANCE X IS EQUAL TO ZERO FOR T-INTERSECTIONS.
8. THE DISTANCES SDL AND SDR REPRESENT THE SAFE STOPPING SIGHT DISTANCE MEASURED ALONG THE CENTER LINE OF THE ROAD.
9. POINT (Y) IS THE DISTANCE MEASURED FROM THE CENTER LINE OF THE MAIN ROAD TO THE CENTER OF THE FAR RIGHT THROUGH TRAVEL LANE. THE POINT (Y') IS THE DISTANCE MEASURED FROM THE CENTER LINE OF THE MAIN ROAD TO THE CENTER OF THE TRAVEL LANE NEAREST THE CENTER LINE OF THE ROAD.
10. THE MAXIMUM TREE SIZE AND MINIMUM TREE SPACING IN THE LIMITED USE AREA FOR ALL MAJOR STREETS SHALL BE 24-INCH CALIPER TREE TRUNKS (MAXIMUM SIZE AT MATURITY), SPACED AT 60- FEET ON CENTER.
11. THE MAXIMUM TREE SIZE AND MINIMUM TREE SPACING IN THE LIMITED USE AREA FOR ALL PRIMARY AND SECONDARY STREETS SHALL BE 24-INCH CALIPER TREE TRUNKS (MAXIMUM SIZE AT MATURITY), SPACED AT 40- FEET ON CENTER.
12. THE MAXIMUM TREE SIZE AND MINIMUM TREE SPACING IN THE LIMITED USE AREA FOR ALL LOCAL AND COLLECTOR STREETS SHALL BE 24-INCH CALIPER TREE TRUNKS (MAXIMUM SIZE AT MATURITY), SPACED AT 30- FEET ON CENTER.
13. TREES HAVING MATURE TRUNKS GREATER THAN 24-INCH CALIPER TREE TRUNKS SHALL REQUIRE SEPARATE REVIEW AND APPROVAL FROM THE CITY OF FOUNTAIN VALLEY. THE ADDITIONAL ANALYSIS SHALL DEMONSTRATE THE ABILITY TO MEET MINIMUM SIGHT DISTANCE REQUIREMENTS OF CITY OF FOUNTAIN VALLEY.

NOTE: THESE STANDARDS ARE BASED ON CALTRANS CORNER SIGHT DISTANCE.

REVISIONS	CITY OF FOUNTAIN VALLEY	STANDARD PLAN NO.
	SIGHT DISTANCE DETAIL NOTES	800 - 2
	APPROVED BY:  MARK LEWIS R.O.E. 49335 CITY ENGINEER	SHEET: 2 OF 2
	DATE: 04/01/15	

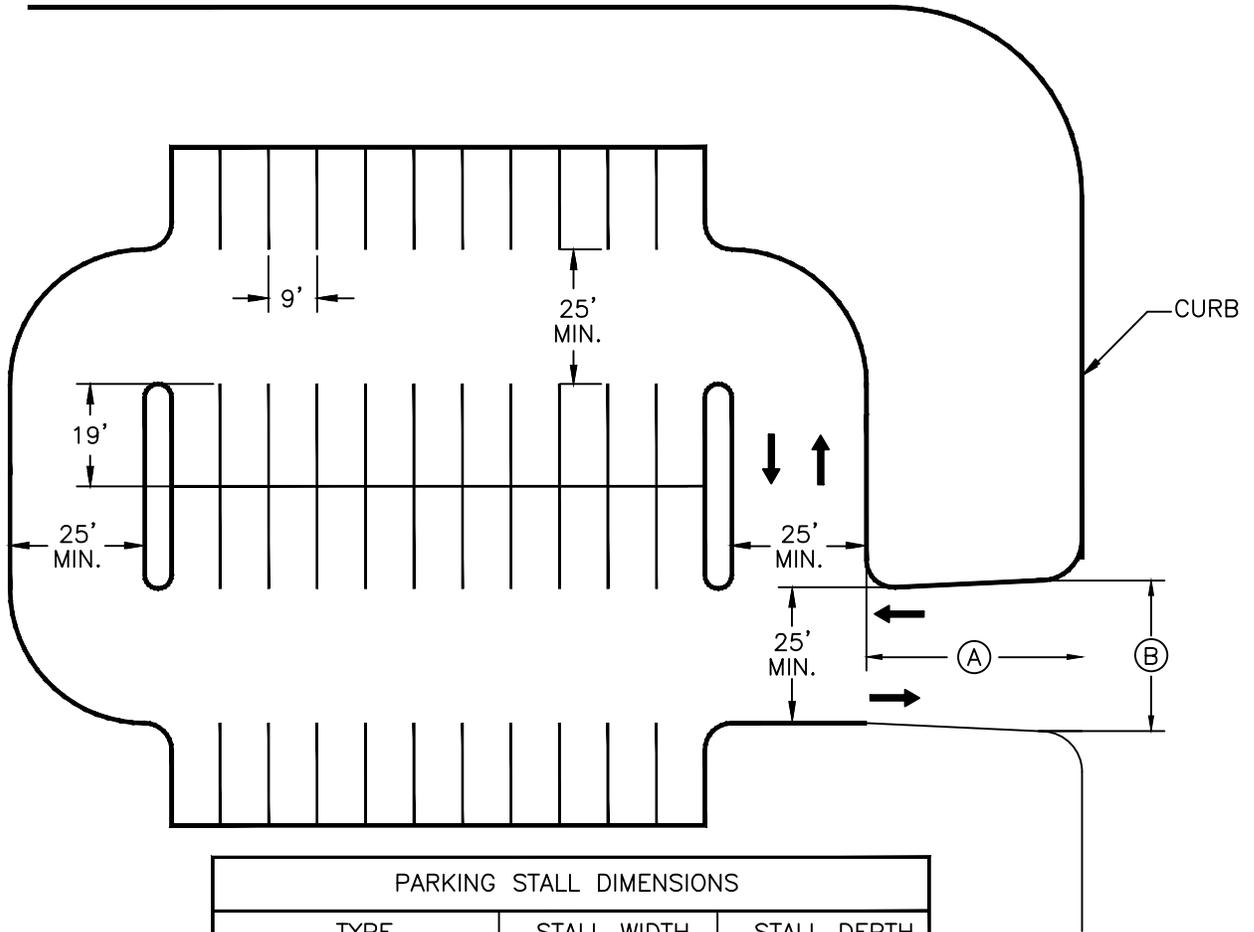


DETAIL "A"

GENERAL NOTES:

1. CROSSWALKS SHALL BE INSTALLED PER STRIPING PLAN.
2. SCHOOL CROSSWALKS (AS SHOWN ON STRIPING PLAN) SHALL BE YELLOW.
3. CROSSWALKS SHALL BE THERMOPLASTIC UNLESS OTHERWISE INDICATED.

REVISIONS	CITY OF FOUNTAIN VALLEY	STANDARD PLAN NO.
	DELINEATED CROSSWALK AT INTERSECTION	
	 APPROVED BY: MARK LEWIS R.O.E. 49335 CITY ENGINEER	DATE: 04/01/15
		SHEET: 1 OF 1

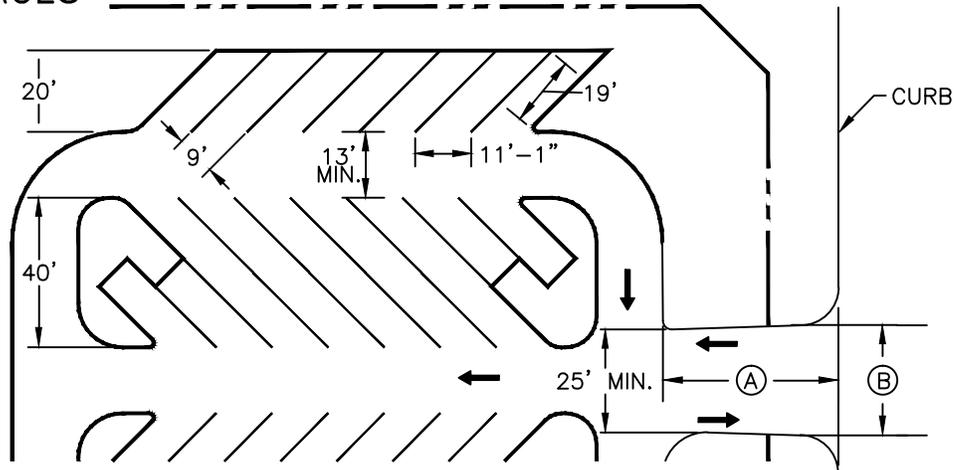


PARKING STALL DIMENSIONS		
TYPE	STALL WIDTH	STALL DEPTH
FULL-SIZED SPACE	9.0'	19.0'
(A) SETBACK PER CITY POLICY (B) PER CITY STANDARD PLANS 205 & 206		

90° PARKING LAYOUT
DOUBLE-LOADED AISLES

REVISIONS	CITY OF FOUNTAIN VALLEY		STANDARD PLAN NO. 802 - 1
	OFF STREET PARKING		
	 APPROVED BY: MARK LEWIS R.O.E. 49335 CITY ENGINEER		SHEET: 1 OF 3
			DATE: 04/01/15

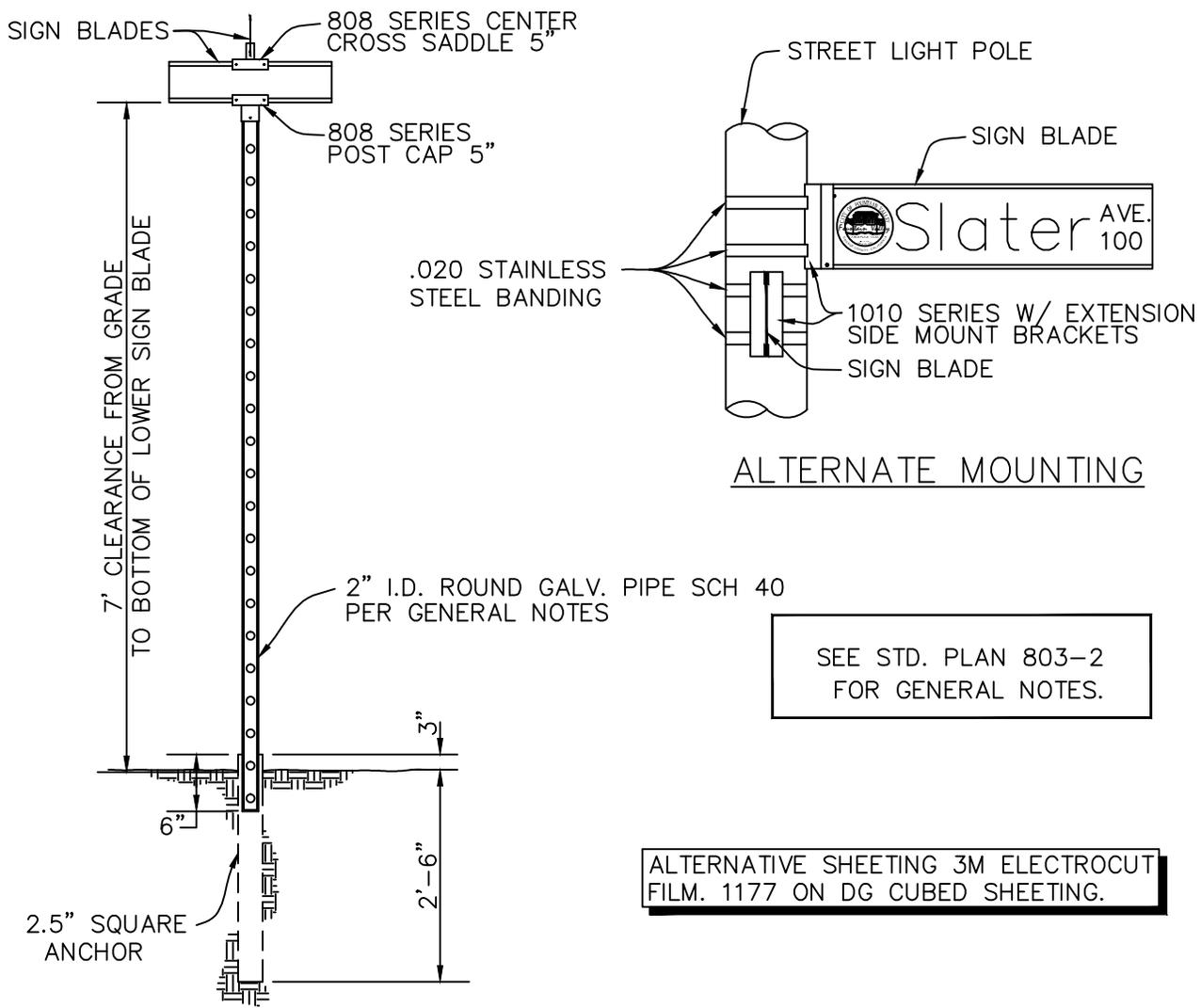
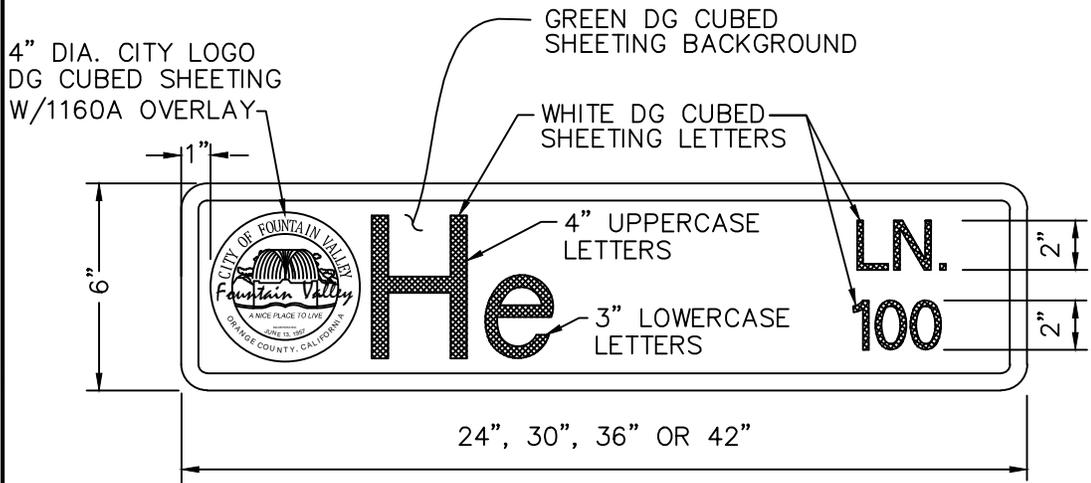
FULL TERM SPACES



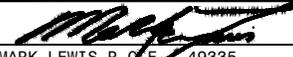
NOTES:
 (A) SETBACK PER CITY POLICY.
 (B) PER CITY STANDARD PLANS 206.

45° ANGLE PARKING LAYOUT
 ONE WAY DIRECTION

REVISIONS	CITY OF FOUNTAIN VALLEY	STANDARD PLAN NO.
	OFF STREET PARKING	802-3
	APPROVED BY:  MARK LEWIS R.O.E. 49335 CITY ENGINEER	SHEET: 3 OF 3
	DATE: 04/01/15	



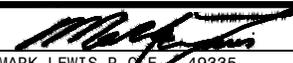
ALTERNATIVE SHEETING 3M ELECTRO CUT FILM. 1177 ON DG CUBED SHEETING.

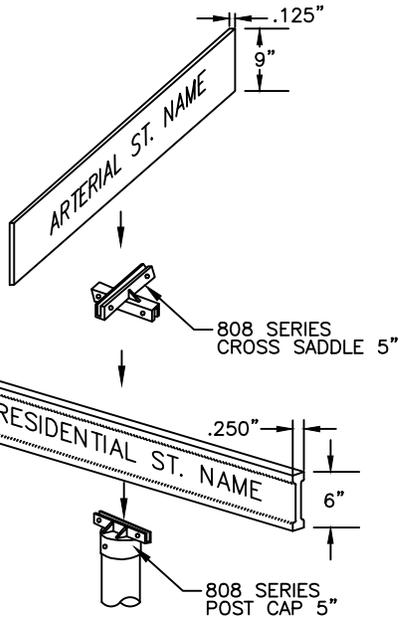
REVISIONS	CITY OF FOUNTAIN VALLEY	STANDARD PLAN NO.
	STREET SIGN ASSEMBLY	803 - 1
	APPROVED BY:  MARK LEWIS R.O.E. 49335 CITY ENGINEER	SHEET: 1 OF 2

DATE: 04/01/15

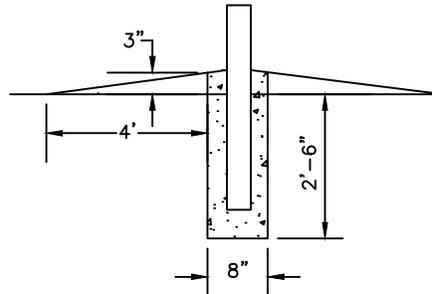
GENERAL NOTES:

1. DESIGN
EACH FOUR-WAY UNIT SHALL CONSIST OF TWO DOUBLE-FACED SIGNS WITH STREET NAMES MOUNTED AT RIGHT ANGLES TO EACH OTHER AND PERPENDICULAR TO CORRESPONDING STREETS. LOCATION SHALL BE AS SHOWN ON PLAN.
2. BRACKET ASSEMBLIES
POST CAP SHALL BE MADE TO MOUNT ON 2" GALV. ROUND PIPE SCH 40, CAST IN ONE PIECE. BANDING MATERIAL SHALL BE .020" STAINLESS STEEL STRAPPING. 808 SERIES POST CAP AND 808 SERIES CENTER CROSS SADDLE SHALL BE ONE PIECE DIE CAST ALUMINUM SIDE MOUNT BRACKET SHALL BE EXTRUDED ALUMINUM, ONE PIECE. ALL SETS OF BRACKETS SHALL BE TAPPED AND DRILLED FOR 10-EACH 5/16" DIA. ZINC DICHROMATE PLATED ALLEN-TYPE SET SCREWS, HAVING SELF-LOCKING SAWTOOTH ENDS. ALL BOLTS SHALL HAVE FIBER WASHERS NEXT TO SIGN FACE AND METAL WASHERS NEXT TO BACKING NUT.
3. SIGN POST MATERIAL
SIGN POST SHALL BE 2" GALVANIZED ROUND PIPE SCHEDULE 40 (UNISTRUT, TELSPAR, OR APPROVED EQUAL). ANCHOR SHALL BE 2.5" SQUARE TUBING (ONE SIZE LARGER), GALVANIZED AFTER FABRICATION. STEEL POSTS SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR HOT ROLLED CARBON SHEET STEEL, COMMERCIAL QUALITY, ASTM DES A-569-72, (IN LINE GALVANIZED ZINC COATING) AND HAVE A CROSS-LINKED POLYURETHANE ACRYLIC EXTERIOR COATING. 12 GAUGE SQUARE TUBE SHALL HAVE 7/16" DIA. HOLES, 1" O.C..
4. SIGN BLANK MATERIAL (9" BLANKS) ARTERIAL STREET SIGN
SIGN BLANKS SHALL BE FROM 6063T-4 ALUMINUM ALLOY (SHEET ALUMINUM 0.125" GAUGE).
(6" BLANKS) RESIDENTIAL STREET SIGN
SIGN BLANKS SHALL BE EXTRUDED FROM 6063T-4 ALUMINUM ALLOY (SHEET ALUMINUM 0.091" THICK BLADE W/ 0.250" STIFFENER ALONG THE TOP & BOTTOM).
5. SIGN FINISH
SIGN FACES SHALL BE DIAMOND GRADE DG CUBED TYPE 11 SHEETING MATERIAL. THE APPLICATION AND TRANSPARENT SCREEN PROCESS SHALL BE AS RECOMMENDED BY THE REFLECTIVE SHEETING MANUFACTURER.
6. LETTERING
REFER TO STANDARD PLAN NO.804
7. MEDIAN SIGNS: (STAMPED CONC)
SET SIGN POST ANCHOR INTO GROUND APPROXIMATELY 6" BELOW FINISHED SURFACE. TOP OF ANCHOR SHOULD PROTRUDE APPROXIMATELY 3" ABOVE FINISHED SURFACE. VOID BETWEEN PATTERNED CONCRETE AND SIGN POST SHALL BE FILLED WITH GROUT.
MEDIAN SIGNS: (LANDSCAPED AREA)
DRIVE "U" CHANNEL INTO GROUND APPROXIMATELY 30" , AND INSTALL WITH 4.5" PLATTED CARRIAGE BOLTS. (DEPENDING ON LOCAL SOIL CONDITIONS).
8. SIGN POST ANCHOR
INSERT SIGN POST AND RIVET IN PLACE WITH TWO (2) 5/16" UNIVERSAL HEAD DRIVE RIVETS, ONE PLACED FACING DIRECTION OF TRAVEL AND ONE OPPOSITE.
9. SIGNS:
ALL REGULATORY, WARNING, CONSTRUCTION AND GUIDE SIGNS SHALL CONFORM TO THE LATEST STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION (CALTRANS) SIGN SPECIFICATIONS & MUTCD STANDARDS UNLESS NOTED OTHERWISE ON PLANS. SIGN SIZE SHALL BE STANDARD SIZE SHOWN IN THE SIGN SPECIFICATIONS UNLESS SHOWN OTHERWISE ON THE PLANS.

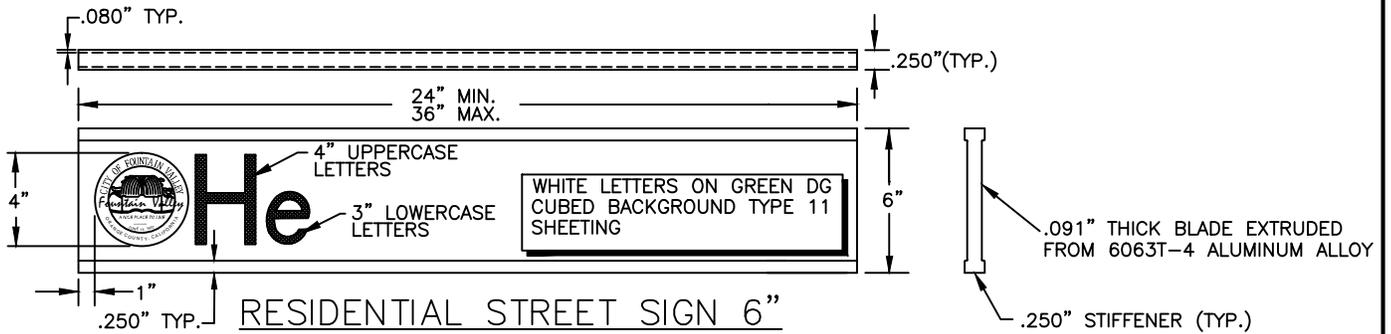
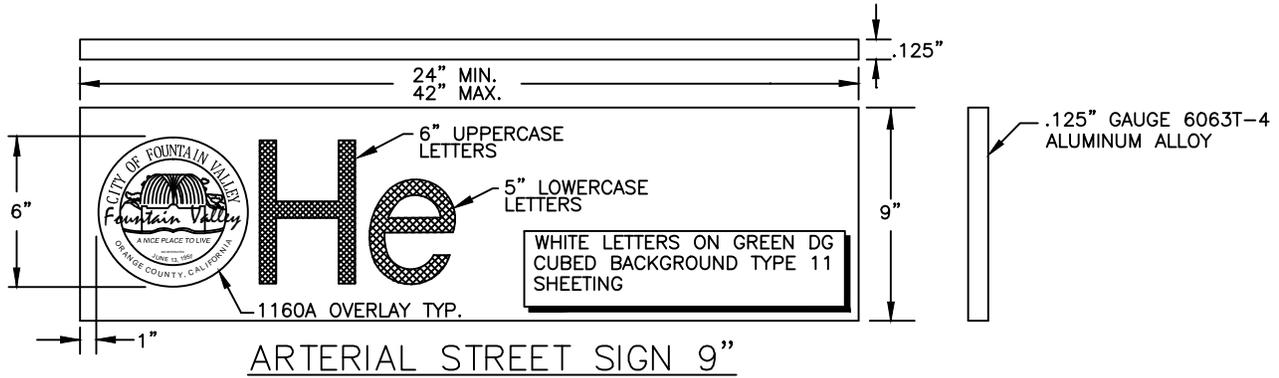
REVISIONS	CITY OF FOUNTAIN VALLEY	STANDARD PLAN NO.
	STREET SIGN ASSEMBLY NOTES	803 - 2
	APPROVED BY:  MARK LEWIS R.O.E. 49335 CITY ENGINEER	SHEET: 2 OF 2 DATE: 04/01/15



MOUNTING DETAIL



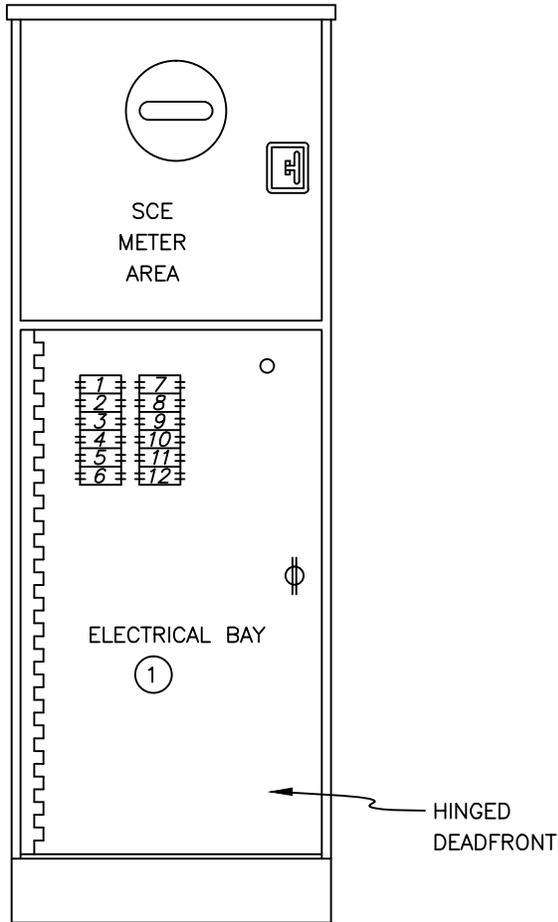
FOOTING DETAIL



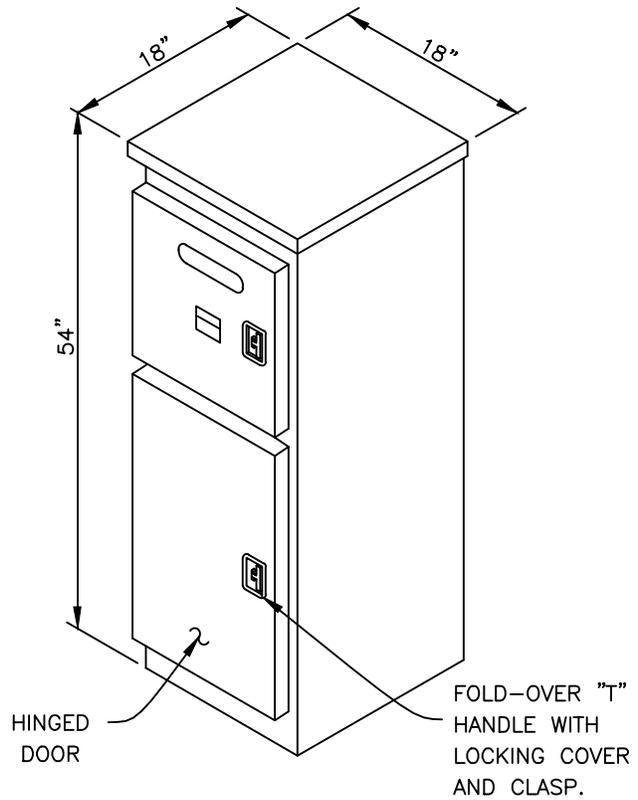
NOTES:

1. ALUMINUM ALLOY FOR ALL COMPONENTS SHALL CONFORM TO SPECIFICATIONS PUBLISHED BY THE ALUMINUM ASSOCIATION.
2. THE 9" SIGN SHALL FACE ARTERIAL HIGHWAY TRAFFIC; THE 6" SIGN SHALL FACE LOCAL STREET TRAFFIC.

REVISIONS	CITY OF FOUNTAIN VALLEY	STANDARD PLAN NO. 804
	STREET NAME SIGNS SPECIFICATIONS AND INSTALLATION	
	 APPROVED BY: MARK LEWIS R.C.E. 49335 CITY ENGINEER	
	DATE: 04/01/15	SHEET: 1 OF 1



INTERIOR VIEW

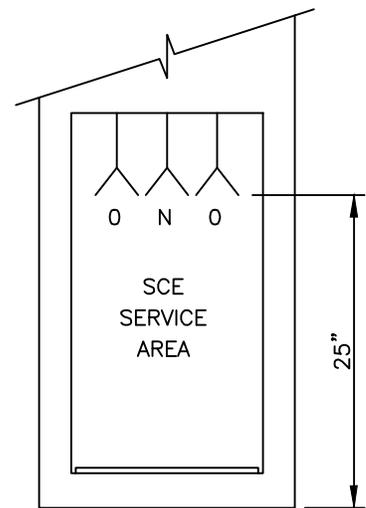


NOTES:

- ① SEE STD. PLAN 805-3, 805-6 FOR TRAFFIC SIGNAL AND SAFETY LIGHTING ELEC. CIRCUITRY.

GENERAL NOTES:

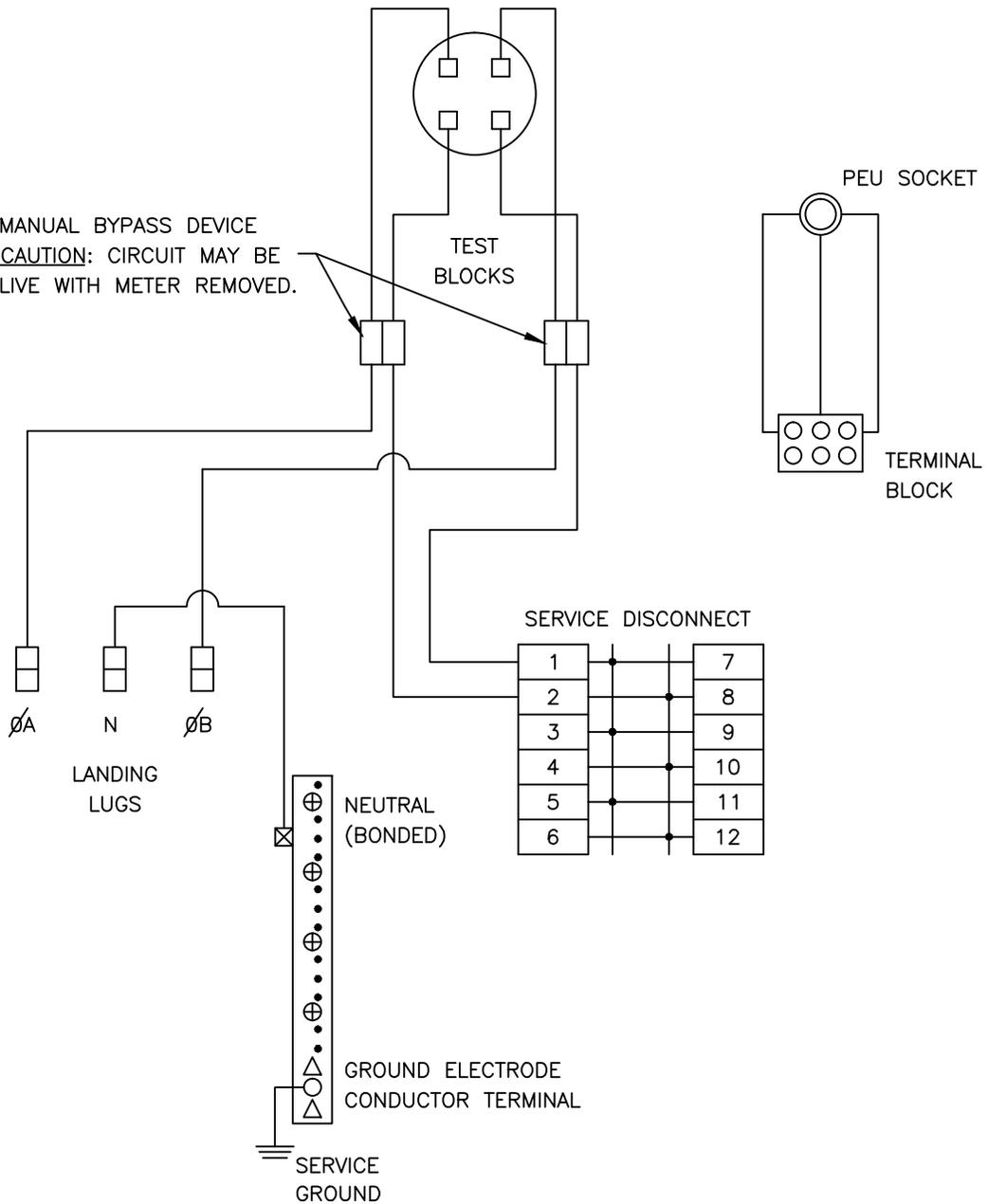
1. TRAFFIC SIGNAL SERVICE ENCLOSURES SHALL BE A TYPE III AS SHOWN IN CALTRANS STD. PLANS, ES-2E. 2010
2. A 5/8" O.D.x10' STAINLESS STEEL GROUND ROD SHALL BE INSTALLED IN THE "CUSTOMER SIDE" OF THE ELECTRICAL BAY.
3. SERVICE EQUIPMENT ENCLOSURES SHALL BE FABRICATED FROM ANODIZED ALUMINUM AND CONFORMS TO THE REQUIREMENTS OF S86-3.04A, "CABINET CONSTRUCTION." SERVICE EQUIPMENT ENCLOSURES SHALL BE PROVIDED WITH A METHOD OF SECURING THE ENCLOSURE UTILIZING A CORBIN LOCK AND A #2 KEY. WITH THE CABINET LOCKED IN PLACE, IT SHALL NOT BE POSSIBLE TO FORCE ENTRY INTO THE ENCLOSURE BY HAND WITHOUT THE USE OF TOOLS.



REAR LANDING DETAIL,
COVER REMOVED

REVISIONS	CITY OF FOUNTAIN VALLEY		STANDARD PLAN NO. 805 - 1
	SINGLE METER UNDERGROUND SERVICE PEDESTAL		
	APPROVED BY:	 <small>MARK LEWIS R.C.E. 49335 CITY ENGINEER</small>	
	DATE: 04/01/15		SHEET: 1 OF 6

MANUAL BYPASS DEVICE
 CAUTION: CIRCUIT MAY BE
 LIVE WITH METER REMOVED.



NOTES:

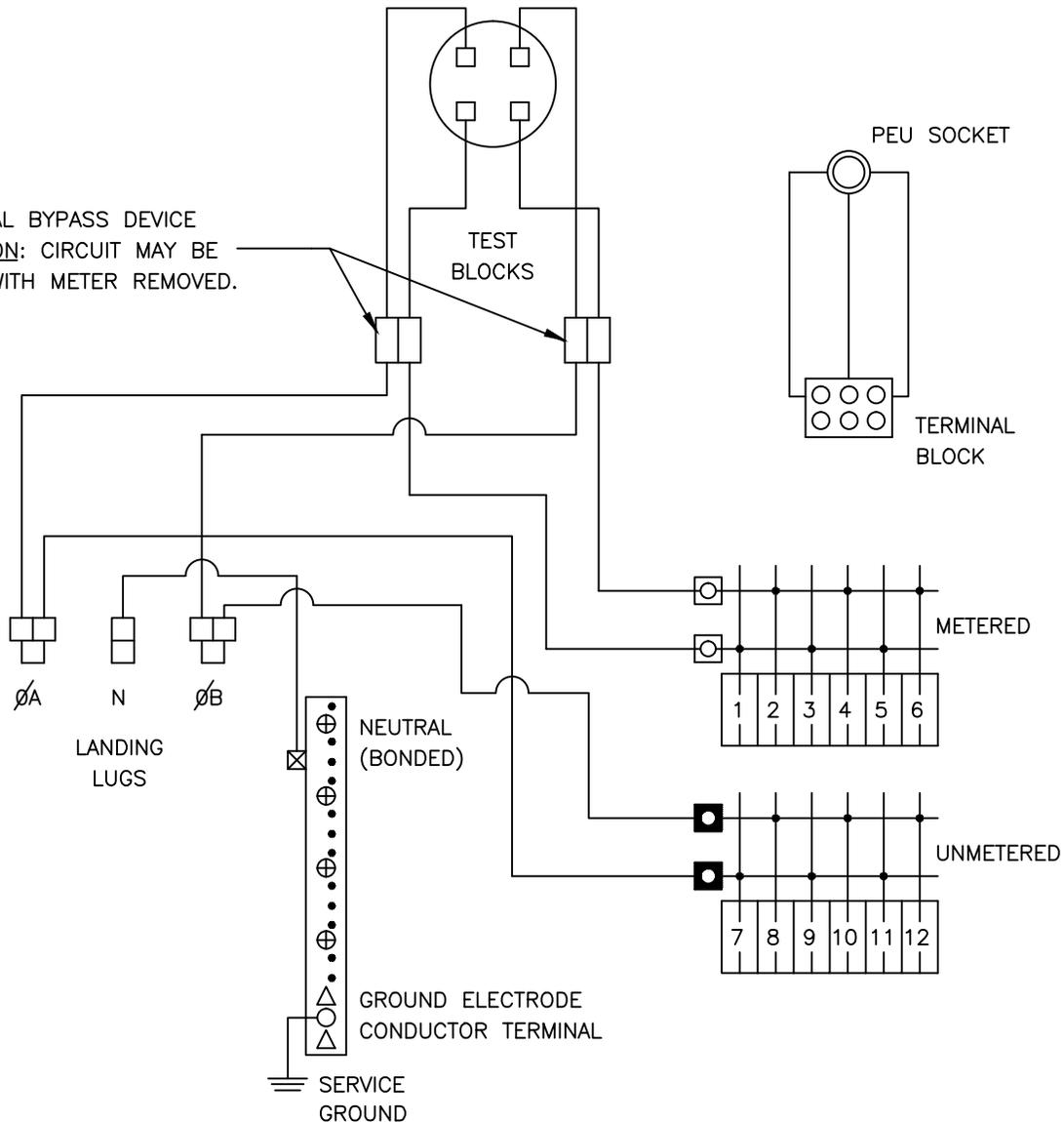
1. SERVICE PEDESTAL SHALL INCLUDE A TYPE V PHOTO-ELECTRIC CONTROL UNIT PER SECTION 86-6.11 OF THE 2010 CALTRANS STD. SPECIFICATIONS.
2. INTERMEDIATE HANDLE TRIP POSITION TO RESTORE POWER TURN TO FULL OFF THEN ON.

STREET, PARK AND PARKING LOT LIGHTING

CATALOGUE NO.: MEUGI-M100C/WTB

REVISIONS	CITY OF FOUNTAIN VALLEY	STANDARD PLAN NO. 805 - 2
	SINGLE METER UNDERGROUND SERVICE PEDESTAL ELECTRIC CIRCUITRY	
	 APPROVED BY: MARK LEWIS R.O.E. 49335 CITY ENGINEER	DATE: 04/01/15
	SHEET: 2 OF 6	

MANUAL BYPASS DEVICE
 CAUTION: CIRCUIT MAY BE
 LIVE WITH METER REMOVED.

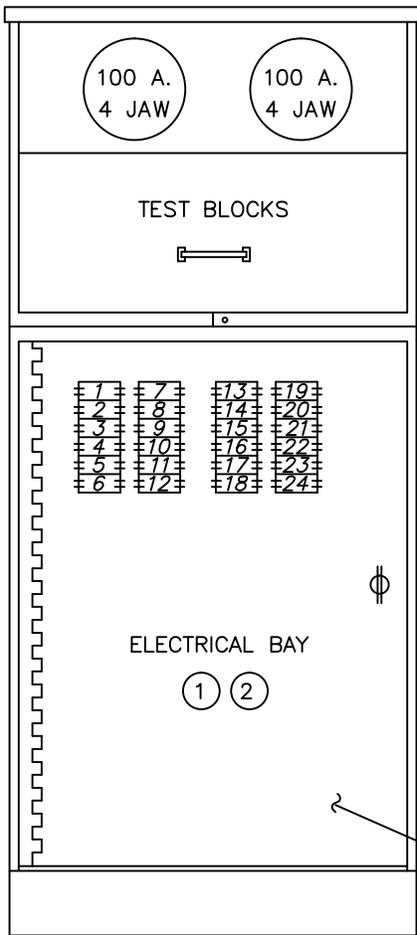


NOTES:

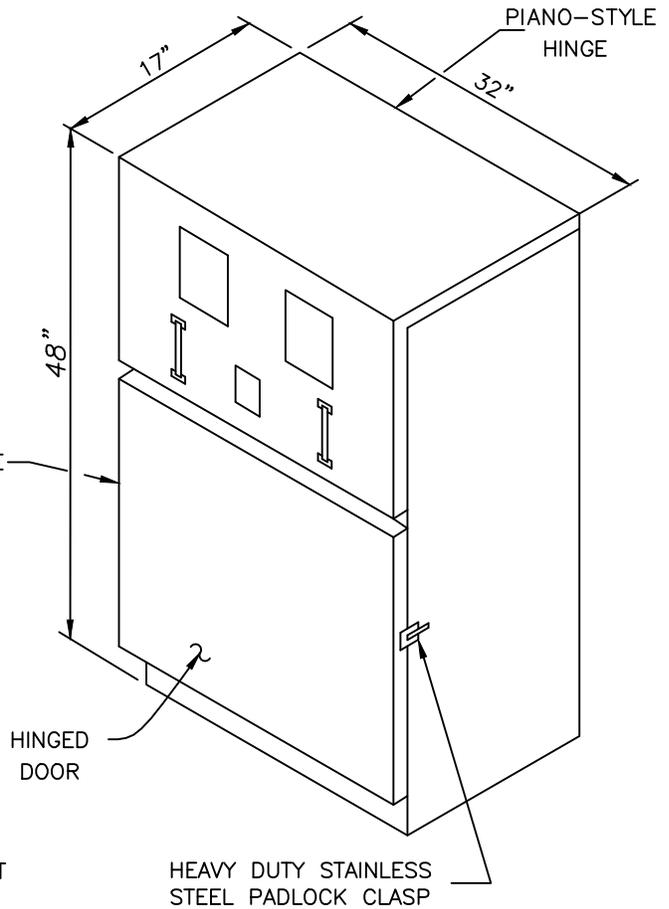
1. SERVICE PEDESTAL SHALL INCLUDE A TYPE V PHOTO-ELECTRIC CONTROL UNIT PER SECTION 86-6.11 OF THE 2010 CALTRANS STD. SPECIFICATIONS.
2. INTERMEDIATE HANDLE TRIP POSITION TO RESTORE POWER TURN TO FULL OFF THEN ON.
3. METERED SECTION SUPPLIED WITH 100 AMP MAIN BREAKER.
4. SIGNAL BREAKER SHALL BE SINGLE POLE 60 AMP (120V METERED).
5. SHALL HAVE 30 AMP 2 POLE LIGHTING CONTACTOR CONNECTED FOR SAFETY LIGHT (120V UNMETERED).
6. 20 AMP BREAKER FOR INTERNALLY ILLUMINATED STREET NAME SIGN (120 METERED).
7. 15 AMP BREAKER FOR VIDEO DETECTION (120 V METERED).
8. SAFETY LIGHTING CONTRACTOR, (GE MODEL NO. CR353AD2BA1) AND TEST SWITCH.
9. 3-#2AWG COPPER SERVICE CONDUCTORS SHALL BE INSTALLED BY THE CONTRACTOR FROM SCE HANDHOLE TO THE SERVICE PEDESTAL.
10. A 10' GROUND ROD SHALL BE INSTALLED IN THE FOUNDATION FOR CABINET GROUNDING.

TRAFFIC SIGNAL AND SAFETY LIGHTING
 CATALOGUE NO.: MEUGI-M125C/TS/WTB

REVISIONS	CITY OF FOUNTAIN VALLEY	STANDARD PLAN NO.
	SINGLE METER UNDERGROUND SERVICE PEDESTAL ELECTRIC CIRCUITRY	
	805 - 3	
	APPROVED BY: MARK LEWIS R.O.E. 49335 CITY ENGINEER	SHEET: 3 OF 6
	DATE: 04/01/15	



INTERIOR VIEW

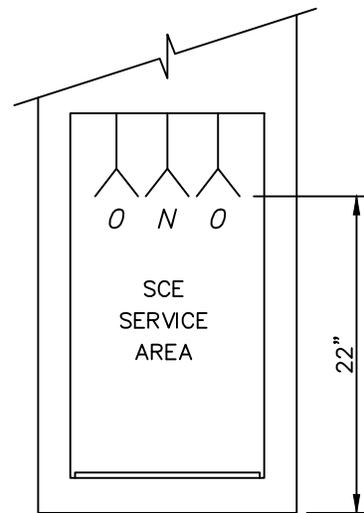


NOTES:

- ① SEE STD. PLAN 805-5 FOR STREET LIGHTING AND ELECTRICAL POWER ELEC. CIRCUITRY.
- ② SEE STD. PLAN 805-6 FOR TRAFFIC SIGNAL, SAFETY AND STREET LIGHTING ELEC. CIRCUITRY.

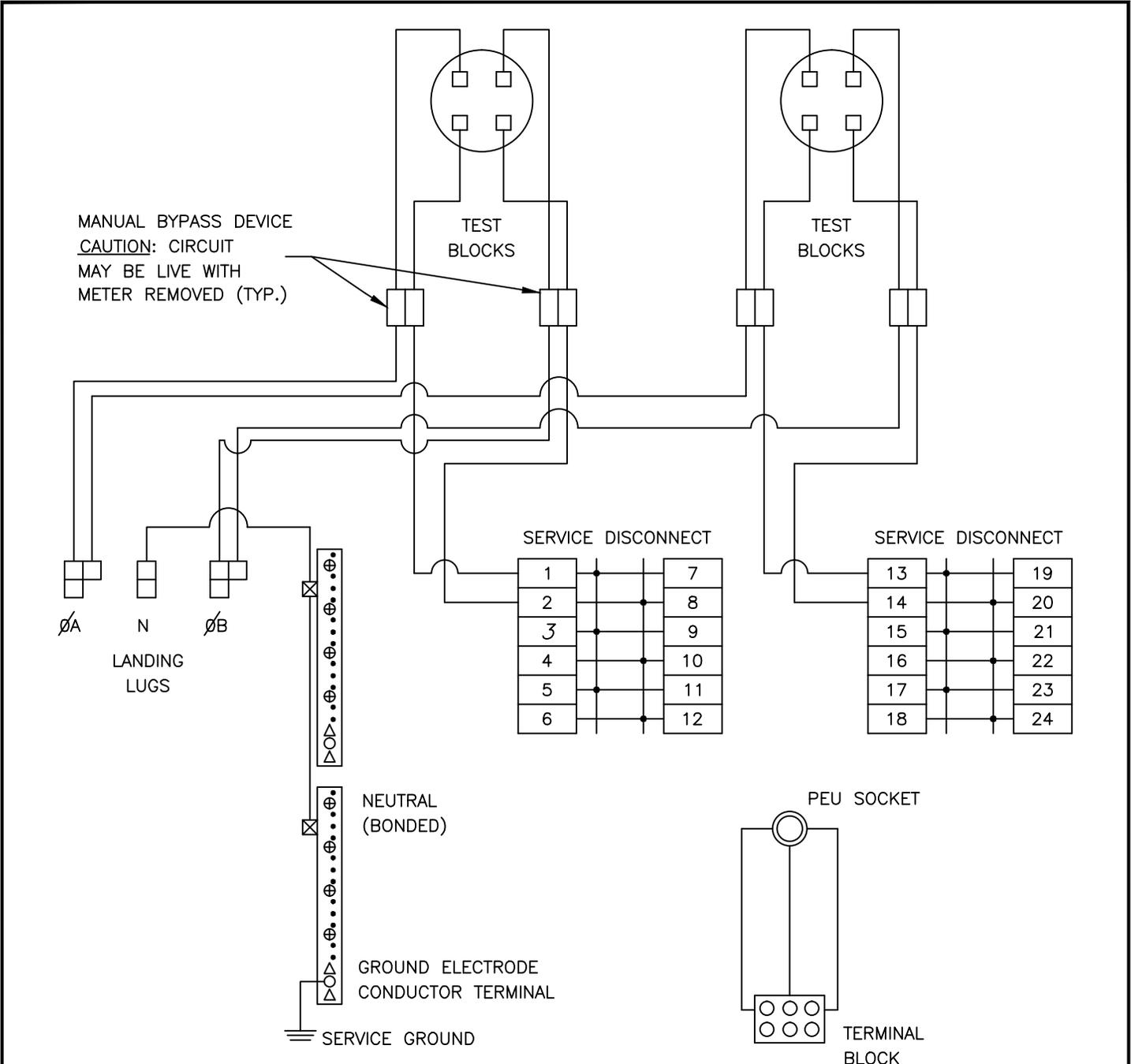
NOTES:

- 1. CITY-OWNED STREET LIGHTING, PARK LIGHTING OR PARKING LOT LIGHTING SERVICE SHALL USE MEYERS ELECTRIC PRODUCTS CATALOG NO. MEUGSD-M100/M100W/TB-SCE.
- 2. A 5/8" O.D.x10' STAINLESS STEEL GROUND ROD SHALL BE INSTALLED IN THE "CUSTOMER SIDE" OF THE ELECTRICAL BAY.
- 3. SERVICE PEDESTAL FOUNDATION SHALL CONFORM TO CALTRANS STD. PLAN ES-2E (2010 ED.).



REAR LANDING DETAIL,
COVER REMOVED

REVISIONS	CITY OF FOUNTAIN VALLEY	STANDARD PLAN NO. 805-4
	DUAL METER UNDERGROUND SERVICE PEDESTAL	
	APPROVED BY:  MARK LEWIS R.O.E. 49335 CITY ENGINEER	DATE: 04/01/15
		SHEET: 4 OF 6

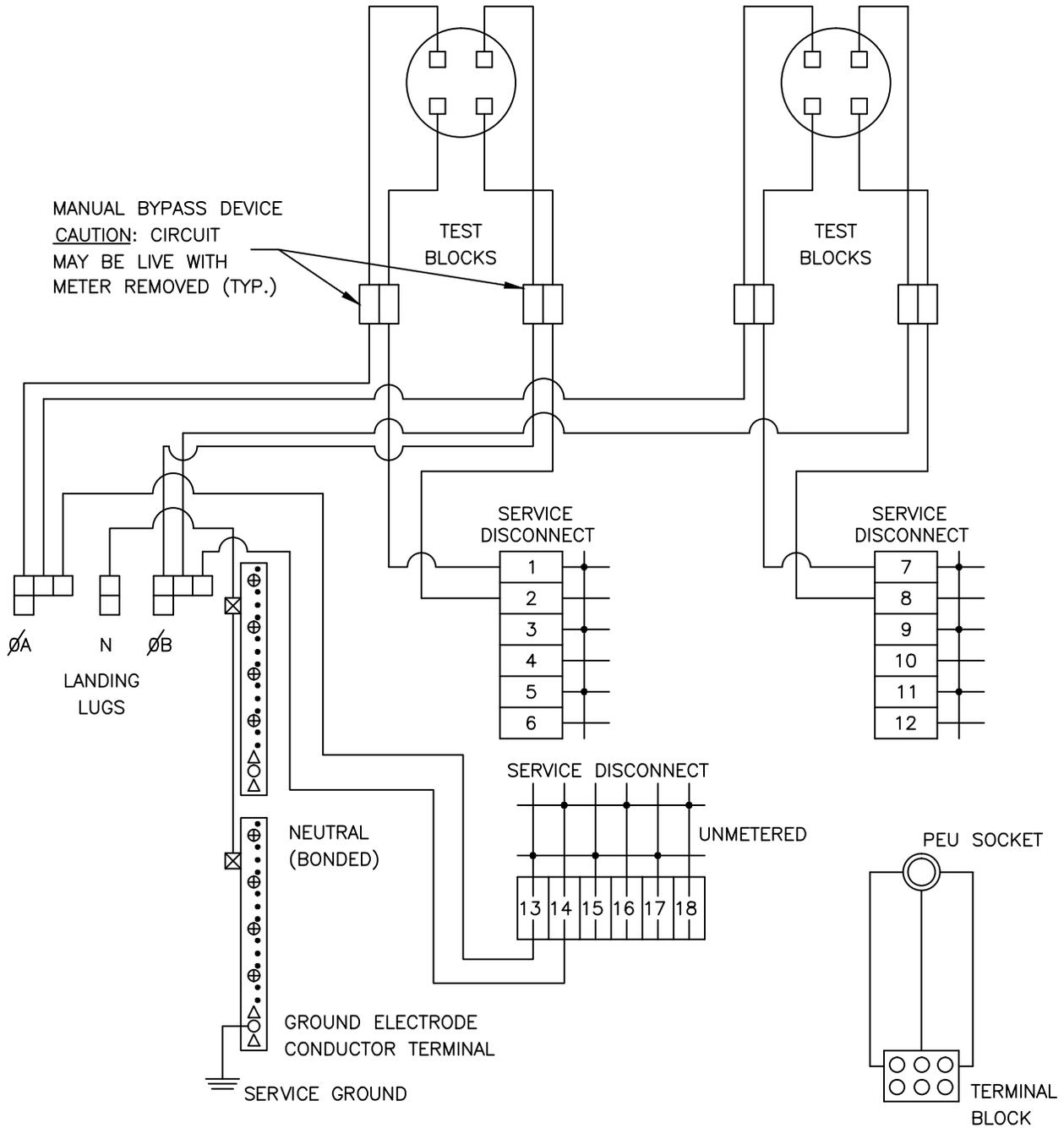


NOTES:

1. SERVICE PEDESTAL SHALL INCLUDE A TYPE V PHOTO-ELECTRIC CONTROL UNIT PER SECTION 86-6.11 OF THE 2010 CALTRANS STD. SPECIFICATIONS.
2. INTERMEDIATE HANDLE TRIP POSITION TO RESTORE POWER TURN TO FULL OFF THEN ON.

STREET LIGHTING AND ELECTRICAL POWER
 CATALOGUE NO: MEUGSD-M100/M100W/TB-SCE

REVISIONS	CITY OF FOUNTAIN VALLEY	STANDARD PLAN NO. 805 - 5
	DUAL METER UNDERGROUND SERVICE PEDESTAL ELECTRIC CIRCUITRY	
	APPROVED BY: MARK LEWIS R.O.E. 49335 CITY ENGINEER	
	DATE: 04/01/15	SHEET: 5 OF 6

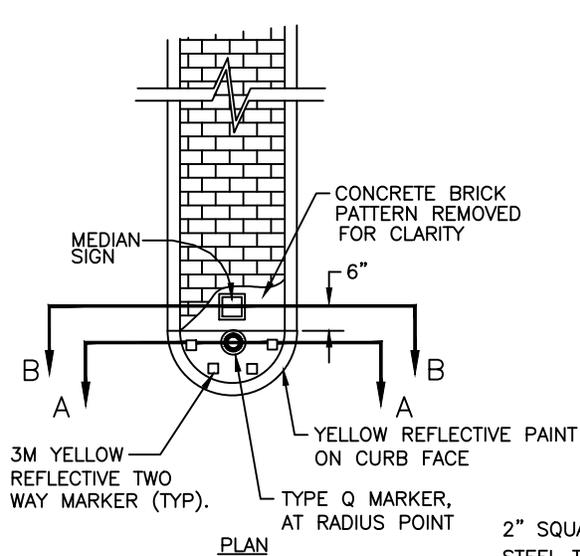


NOTES:

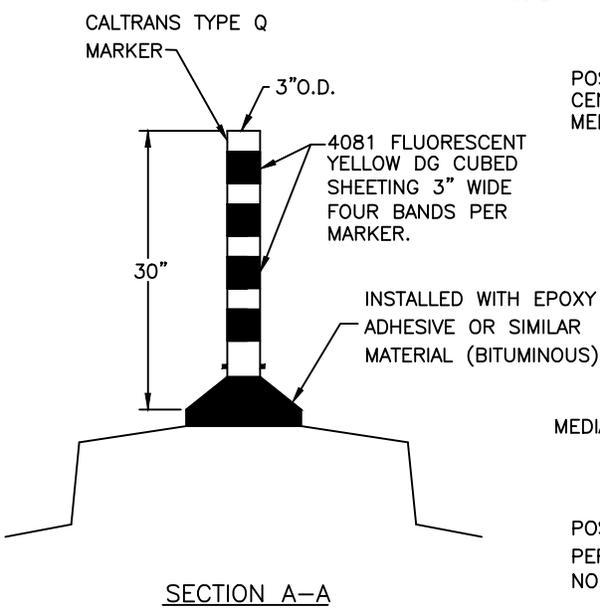
1. SERVICE PEDESTAL SHALL INCLUDE A TYPE V PHOTO-ELECTRIC CONTROL UNIT PER SECTION 86-6.11 OF THE 2010 CALTRANS STD. SPECIFICATIONS.
2. INTERMEDIATE HANDLE TRIP POSITION TO RESTORE POWER TURN TO FULL OFF THEN ON.

TRAFFIC SIGNAL, SAFETY AND STREET LIGHTING
 CATALOGUE NO: MUEGSD-M100/M100W/TB-SCE-MOD

REVISIONS	CITY OF FOUNTAIN VALLEY	STANDARD PLAN NO. 805-6
	DUAL METER UNDERGROUND SERVICE PEDESTAL ELECTRIC CIRCUITRY	
	APPROVED BY: MARK LEWIS R.O.E. 49335 CITY ENGINEER	
	DATE: 04/01/15	SHEET: 6 OF 6

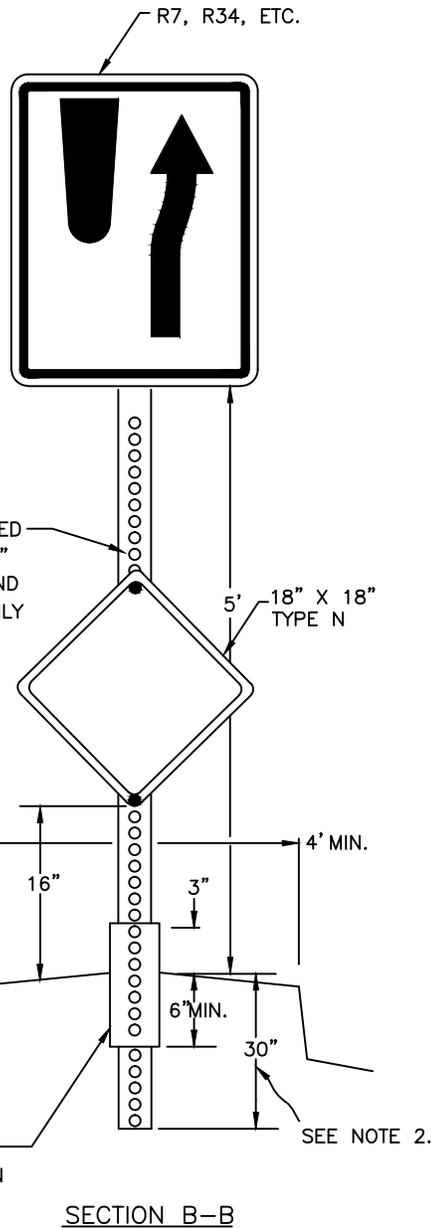


2" SQUARE GALVANIZED STEEL TUBING OR "U" CHANNEL FOR GROUND SOIL APPLICATION ONLY



POST TO BE CENTERED IN MEDIAN ISLAND

POST ANCHOR PER STD. PLAN NO. 803-2



NOTES:

1. SIGN FACES SHALL BE DIAMOND GRADE DG CUBED TYPE 11 SHEETING MATERIAL.
2. MEDIAN SIGNS: (STAMPED CONC)
 SET SIGN POST ANCHOR INTO GROUND APPROXIMATELY 6" BELOW FINISHED SURFACE TOP ANCHOR SHOULD PROTRUDE APPROXIMATELY 3" ABOVE FINISHED SURFACE. VOID BETWEEN PATTERNED CONCRETE AND SIGN POST SHALL BE FILLED WITH GROUT.
- MEDIAN SIGNS: (LANDSCAPED AREA)
 DRIVE "U" CHANNEL INTO GROUND APPROXIMATELY 30" (DEPENDING ON LOCAL SOIL CONDITIONS).

REVISIONS	CITY OF FOUNTAIN VALLEY	STANDARD PLAN NO. 806
	TYPE Q AND R7 INSTALLATION	
	APPROVED BY: MARK LEWIS R.O.E. 49335 CITY ENGINEER	DATE: 04/01/15
	SHEET: 1 OF 1	

ANY NEW STREET LIGHTING OR MODIFICATIONS TO EXISTING CITY-OWNED AND EDISON OWNED STREET LIGHTS MUST CONFORM TO GENERAL SPECIFICATIONS LISTED HERE AND TO THE CITY OF FOUNTAIN VALLEY STANDARD SPECIAL PROVISIONS FOR THE CONSTRUCTION OF TRAFFIC SIGNALS AND STREET LIGHTING,

CITY-OWNED STREET LIGHTS

GRADING PLANS OR STREET IMPROVEMENT PLANS MUST SHOW EXISTING AND NON-AFFECTED STREET LIGHTS, (ON EACH SIDE OF THE PARCEL(S) AND ON BOTH SIDES OF THE STREET). THE INFORMATION SHALL CONTAIN STREET LIGHT POLE STATIONING, LUMINAIRE MOUNTING HEIGHT, MAST ARM LENGTH, AND LAMP WATTAGE OR LUMEN OUTPUT, PULL BOXES, AND CONDUIT.

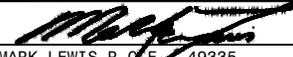
1. RELOCATION OF EXISTING CITY-OWNED STREET LIGHT(S) SHALL INCLUDE INSTALLATION OF NEW CONDUIT, PULL BOXES, AND WIRING BETWEEN THE NEAREST NON-AFFECTED STREET LIGHTS.
2. CONDUIT SHALL BE 2" SCHEDULE 80 P.V.C., INSTALLED UNDER THE SIDEWALK. CONDUIT DEPTH SHALL BE AT A MINIMUM OF 24".
3. RELOCATED AND NEW STREET LIGHTS SHALL HAVE A NO. 5 PULL BOX INSTALLED DOWNSTREAM (IN THE DIRECTION OF TRAFFIC FLOW) OF THE STREET LIGHT POLE FOUNDATION WITH 1 1/2" (MIN) SCHEDULE 80 P.V.C. CONDUIT INSTALLED BETWEEN THE POLE AND PULL BOX.
4. STREET LIGHT CONDUCTOR TYPE AND SIZE SHALL BE AS SPECIFIED ON THE PLAN.

PARCELS LOCATED ON STREET CORNERS MAY VERY LIKELY AFFECT TWO STREET LIGHT CIRCUITS. THE APPROPRIATE STREET CROSSING, ETC. WILL BE REQUIRED. THE ENGINEER OR ARCHITECT SHALL CONTACT SOUTHERN CALIFORNIA EDISON, TO DETERMINE IF THE PARCEL IN QUESTION AFFECTS MORE THAN ONE STREET LIGHTING CIRCUIT.

IF NEW STREET LIGHTS ARE REQUIRED ON ANY STREET (AT THE DISCRETION OF THE CITY ENGINEER), NEW STREET LIGHT POLES AND LUMINAIRES SHALL BE AS SPECIFIED IN THE CURRENT SPECIAL PROVISIONS.

ALL COSTS ASSOCIATED WITH DESIGN, ENCROACHMENT PERMIT APPLICATIONS, INSPECTION, INSTALLATION OF CONDUITS, STREET LIGHTS, PULL BOXES, AND OTHER EQUIPMENT, MATERIALS, OR LABOR ASSOCIATED WITH STREET LIGHT INSTALLATION OR MODIFICATIONS, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

THE PLANS SHALL CONTAIN EITHER: A) THE STREET LIGHT POLE STATIONING BASED ON THE STREET CENTERLINE STATIONING; OR B) DIMENSION TO THE NEAREST PROPERTY LINE.

REVISIONS	CITY OF FOUNTAIN VALLEY	STANDARD PLAN NO.
	MODIFICATION TO CITY AND EDISON STREET LIGHTING SYSTEMS	807 - 1
	 APPROVED BY: MARK LEWIS R.O.E. 49335 CITY ENGINEER	SHEET: 1 OF 2
	DATE: 04/01/15	

EDISON OWNED STREET LIGHTS

1. GRADING PLANS OR STREET IMPROVEMENT PLANS MUST SHOW EXISTING AND NON-AFFECTED STREET LIGHTS, (ON EACH SIDE OF THE PARCEL(S) AND ON BOTH SIDES OF THE STREET). THE INFORMATION SHALL CONTAIN STREET LIGHT POLE STATIONING, LUMINAIRE MOUNTING HEIGHT, MAST ARM LENGTH, AND LAMP WATTAGE OR LUMEN OUTPUT, PULL BOXES, AND CONDUIT.
2. PROPOSED STREET LIGHT PLACEMENTS SHALL BE REVIEWED AND APPROVED BY THE CITY ENGINEER. STREET LIGHTING CALCULATIONS ARE REQUIRED FOR ARTERIAL STREETS. A MEETING TO DISCUSS PROPOSED STREET LIGHT INSTALLATIONS WITH CITY ENGINEERING STAFF IS STRONGLY RECOMMENDED.
3. THE PLANS SHALL CONTAIN THE FOLLOWING CONSTRUCTION NOTE: INSTALL EDISON-OWNED STREET LIGHT, ____ WATT (OR ____ LUMENS), ____ FOOT MOUNTING HEIGHT, ____ FOOT MAST ARM. SEE THE CURRENT SPECIAL PROVISIONS, FOR THE CATALOG NUMBERS FOR THE HIGH PRESSURE SODIUM VAPOR LUMINAIRES.
4. THE PLANS SHALL CONTAIN EITHER: A) THE STREET LIGHT POLE STATIONING BASED ON THE STREET CENTERLINE STATIONING; OR B) DIMENSION TO THE NEAREST PROPERTY LINE.

NEW RESIDENTIAL STREET LIGHT INSTALLATIONS

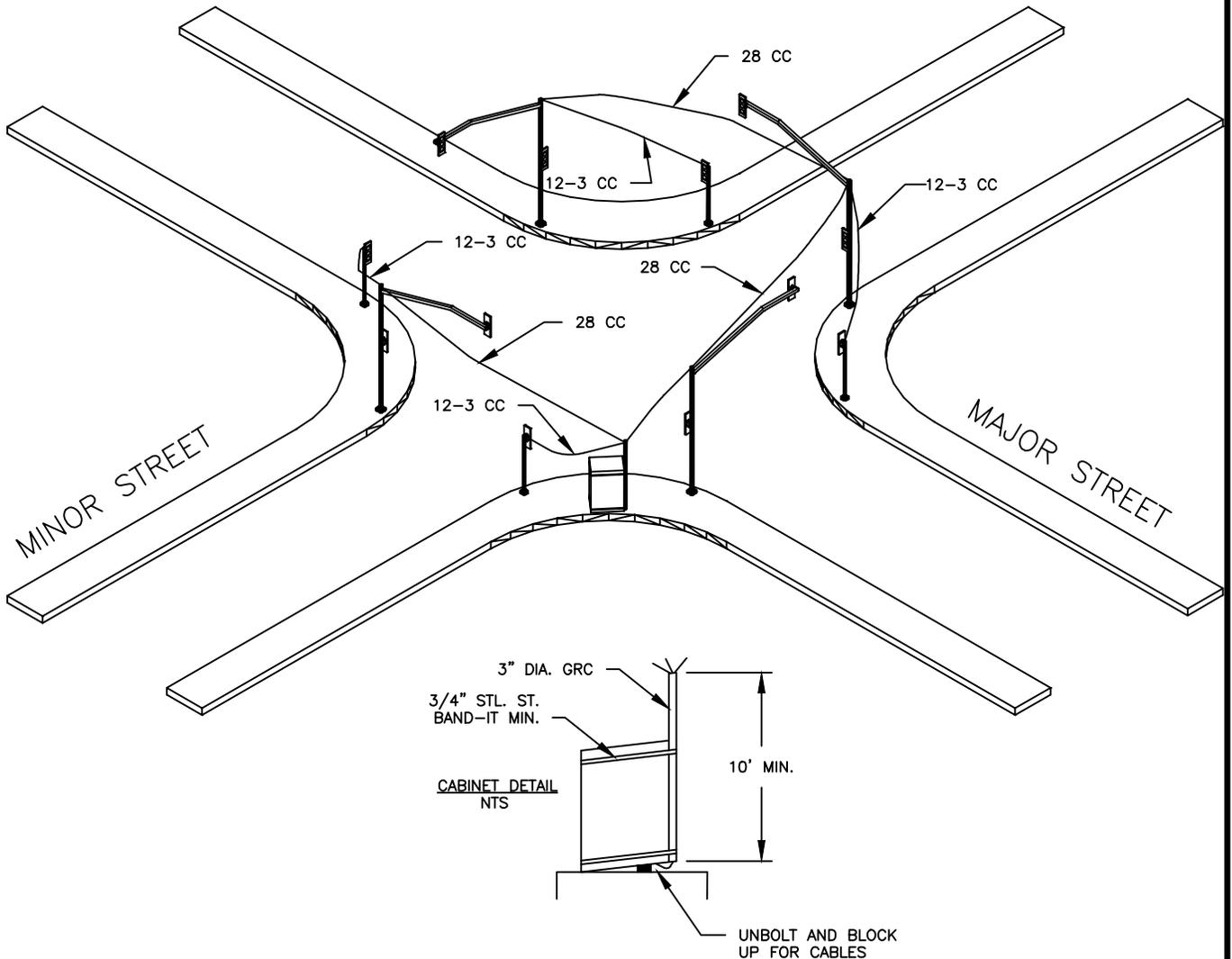
FOR RESIDENTIAL STREET LIGHTING, THE ENGINEER SHALL PROVIDE STREET LIGHT CALCULATIONS OR USE THE FOLLOWING TABLE FOR STREET LIGHT OUTPUT AND SPACING:

SOURCE	MOUNTING HEIGHT (FT)	POLE PLACEMENT	MAXIMUM SPACING (FT)	fc (ave.)	Ave./Min.	Max./Min.
150W	30	ONE SIDE ONLY	150	0.67	2.36	9.85
	30	STAGGERED	150	0.73	2.30	9.92
70W	30	ONE SIDE ONLY	135	0.30	2.23	8.36
	30	STAGGERED	135	0.30	2.23	8.46
	30	OPPOSITE	180	0.45	3.12	9.22
70W	25	ONE SIDE ONLY	80	0.55	3.12	9.68
	25	STAGGERED	85	0.52	2.98	9.49
	25	OPPOSITE	150	0.58	3.14	9.42

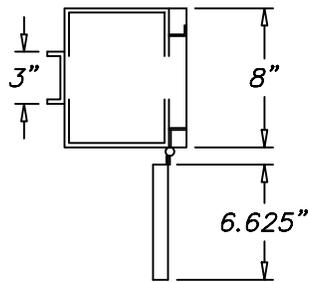
REVISIONS	CITY OF FOUNTAIN VALLEY	STANDARD PLAN NO. 807-2
	MODIFICATION TO CITY AND EDISON STREET LIGHTING SYSTEMS	
	 APPROVED BY: MARK LEWIS R.O.E. 49335 CITY ENGINEER	
	DATE: 04/01/15	SHEET: 2 OF 2

NOTES:

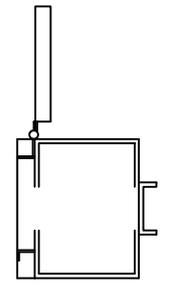
1. USE 28 CC FROM MAIN POLE TO MAIN POLE.
2. USE 12-3 CC FROM MAIN POLE TO 1-A POLES.
3. CONTRACTOR SHALL MAINTAIN FULL SIGNAL OPERATIONS WHILE TEMPORARILY WIRED.
4. ALL VEHICLE DETECTORS AND PEDESTRIAN PUSH BUTTONS SHALL BE FULLY OPERATIONAL AT ALL TIMES.



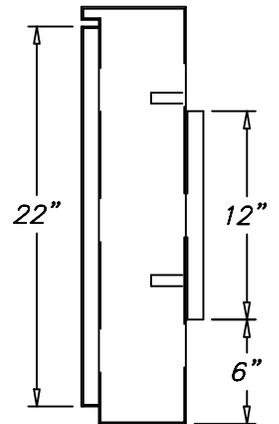
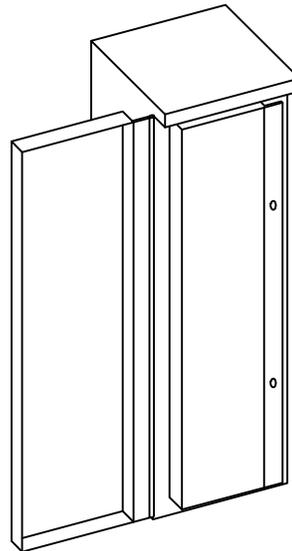
REVISIONS	CITY OF FOUNTAIN VALLEY		STANDARD PLAN NO. 808
	TEMPORARY SIGNAL WIRING DETAIL		
	 APPROVED BY: MARK LEWIS R.C.E. 49335 CITY ENGINEER		
		DATE: 04/01/15	SHEET: 1 OF 1



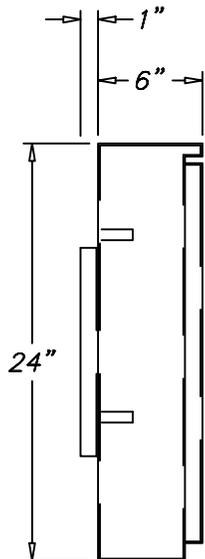
TOP VIEW



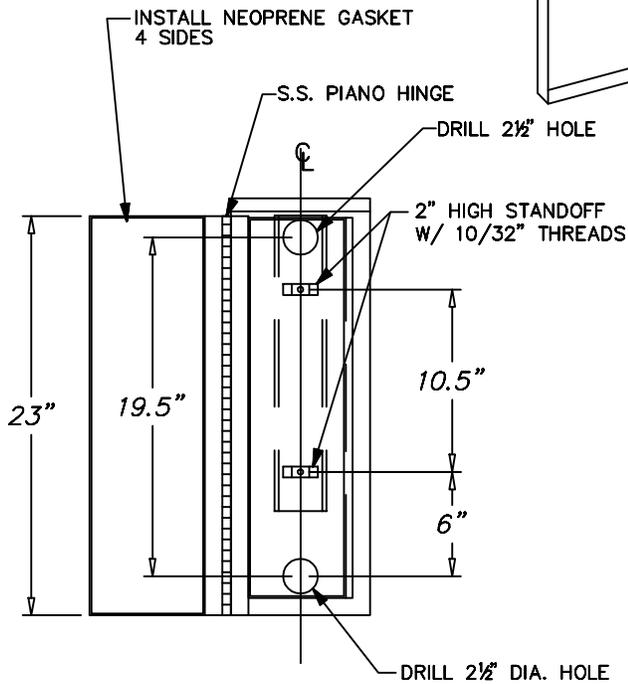
BOTTOM VIEW



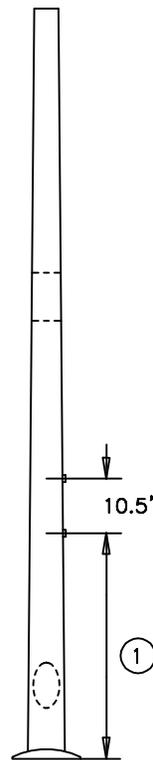
RIGHT VIEW



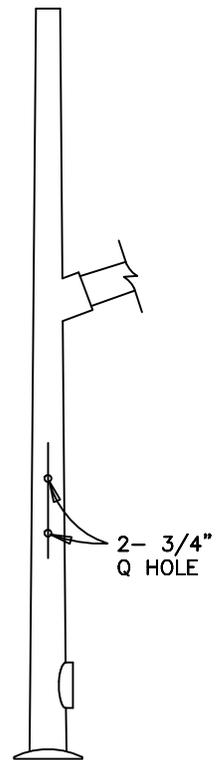
LEFT VIEW
LID NOT SHOWN



FRONT VIEW



SIDE VIEW



REAR VIEW

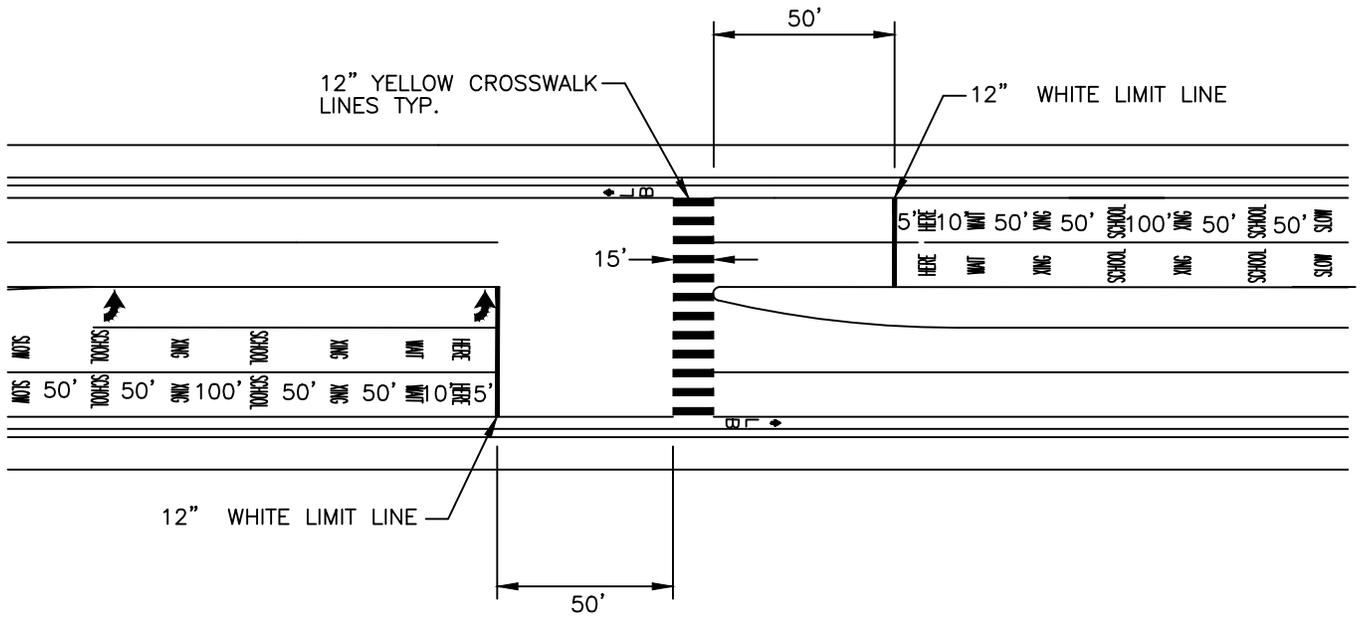
MOUNTING LOCATIONS

- ① 125" FOR EXISTING POLES
140" FOR NEW POLES

CONSTRUCTION NOTES:

1. BREAK ALL SHARP EDGES.
2. BOX TO BE HOT DIP GALVANIZED.
3. ALL DIMENSIONS ± .10
4. INSTALL TERMINAL BLOCK PART# _____

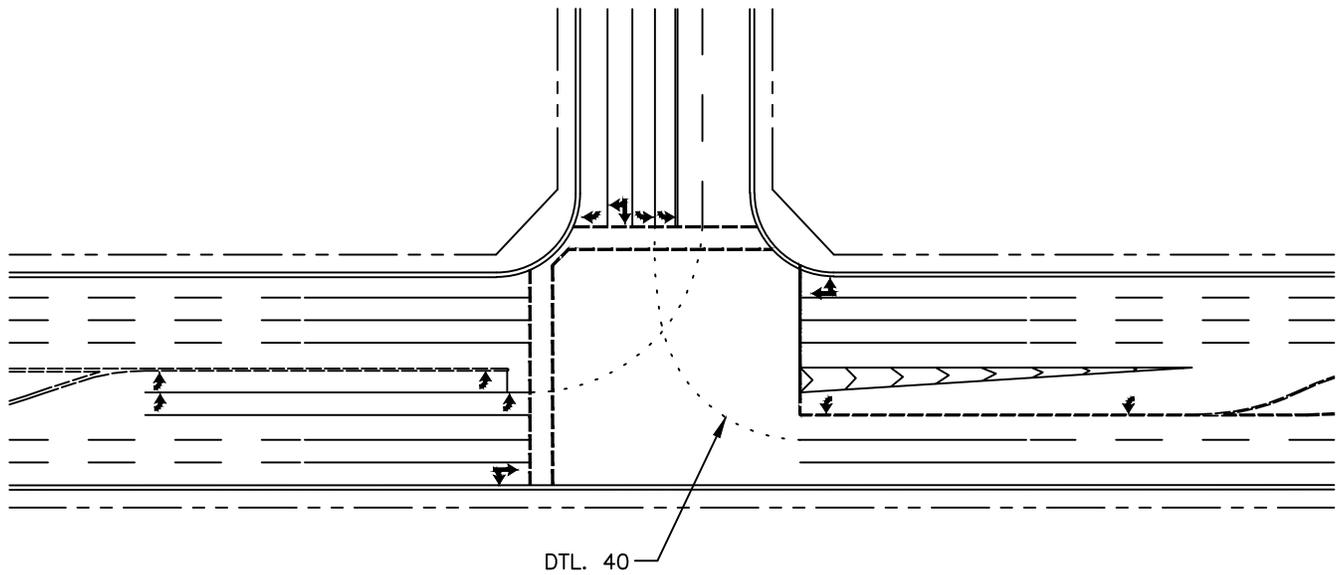
REVISIONS	CITY OF FOUNTAIN VALLEY	STANDARD PLAN NO. 809
	TRAFFIC SIGNAL POLE TERMINAL JUNCTION BOX	
	APPROVED BY:  MARK LEWIS R.O.E. 49335 CITY ENGINEER	DATE: 04/01/15
		SHEET: 1 OF 1



NOTES:

1. ALL LETTERS SHALL BE IN CONFORMANCE WITH CALTRANS STANDARD PLAN A24D, JULY 2010 EDITION.

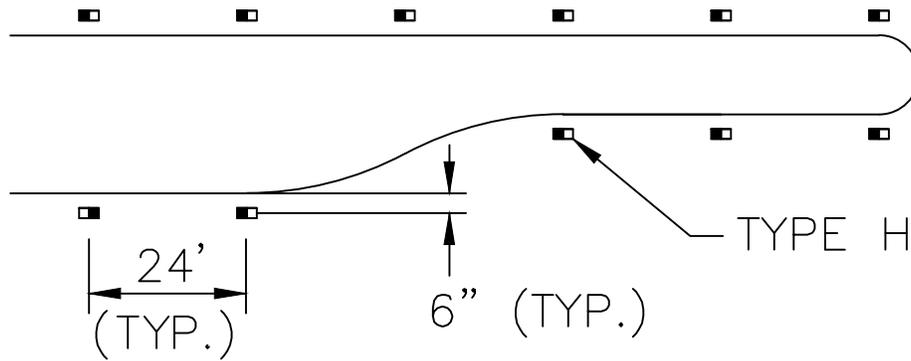
REVISIONS	CITY OF FOUNTAIN VALLEY	STANDARD PLAN NO.
	MIDBLOCK CROSSWALK DETAIL	810
	APPROVED BY:  MARK LEWIS R.O.E. 49335 CITY ENGINEER	SHEET: 1 OF 1
		DATE: 04/01/15



NOTES:

1. CAT TRACKING SHALL BE DESIGNED TO ACCOMMODATE TWO STANDARD WB-50 TRUCKS TURNING SIDE BY SIDE SIMULTANEOUSLY WITHOUT ENCROACHMENT INTO ONCOMING OR ADJACENT LANE(S).

REVISIONS	CITY OF FOUNTAIN VALLEY	STANDARD PLAN NO.
	CAT TRACKING DETAIL FOR DUAL LEFT TURN LANES	811
	APPROVED BY:  MARK LEWIS R.O.E. 49335 CITY ENGINEER	SHEET: 1 OF 1
		DATE: 04/01/15



NOTE:

1. TYPE H ONE WAY YELLOW REFLECTORIZED MARKERS SHALL BE INSTALLED UTILIZING HOT MELT BITUMINOUS ADHESIVE.

REVISIONS	CITY OF FOUNTAIN VALLEY		STANDARD PLAN NO. 812
	MEDIAN RPM DETAIL		
	 APPROVED BY: MARK LEWIS R.O.E. 49335 CITY ENGINEER		SHEET: 1 OF 1
	DATE: 04/01/15		