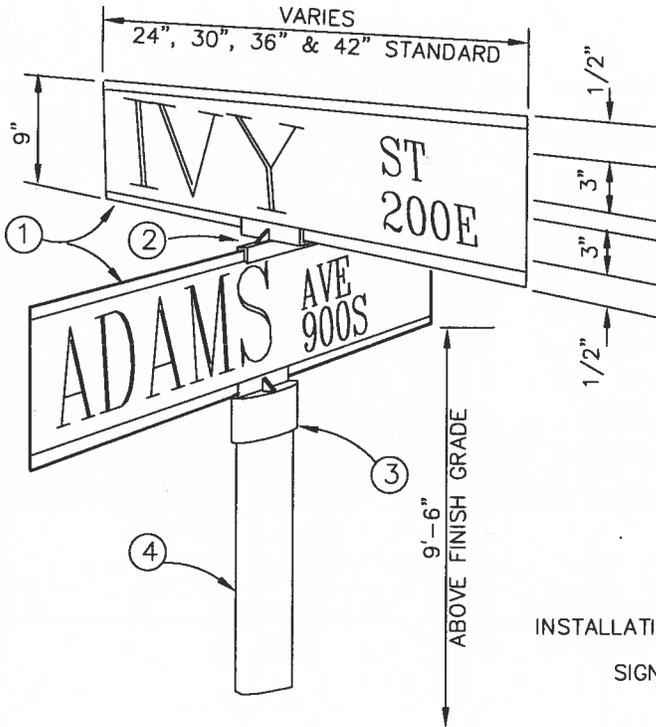


SECTION 600

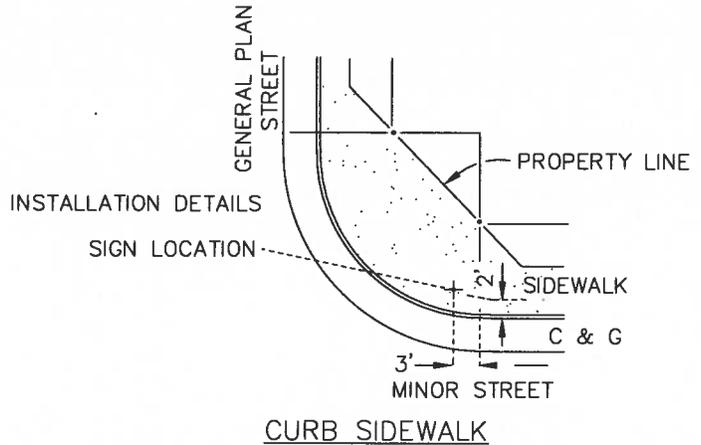
MISCELLANEOUS, MONUMENTING, LIGHTING, AND FIRE





NOTE

ONE COMPLETE NAME SIGN UNIT REQUIRED ON EACH INTERSECTION WHEN PAVED WIDTH OR CURBED WIDTH IS 40 FEET OR LESS. TWO COMPLETE NAME SIGN UNITS REQUIRED FOR WIDTH GREATER THAN 40 FEET. WHEN TWO SIGN UNITS ARE PLACED THEY SHALL BE ON DIAGONALLY OPPOSITE CORNERS SO THAT THEY WILL BE ON THE FAR RIGHT-HAND SIDE OF THE INTERSECTION FOR TRAFFIC ON THE MORE IMPORTANT STREET.

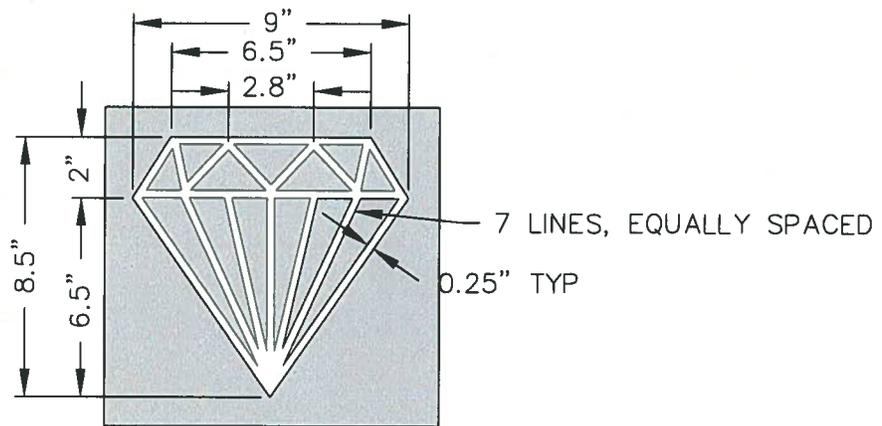
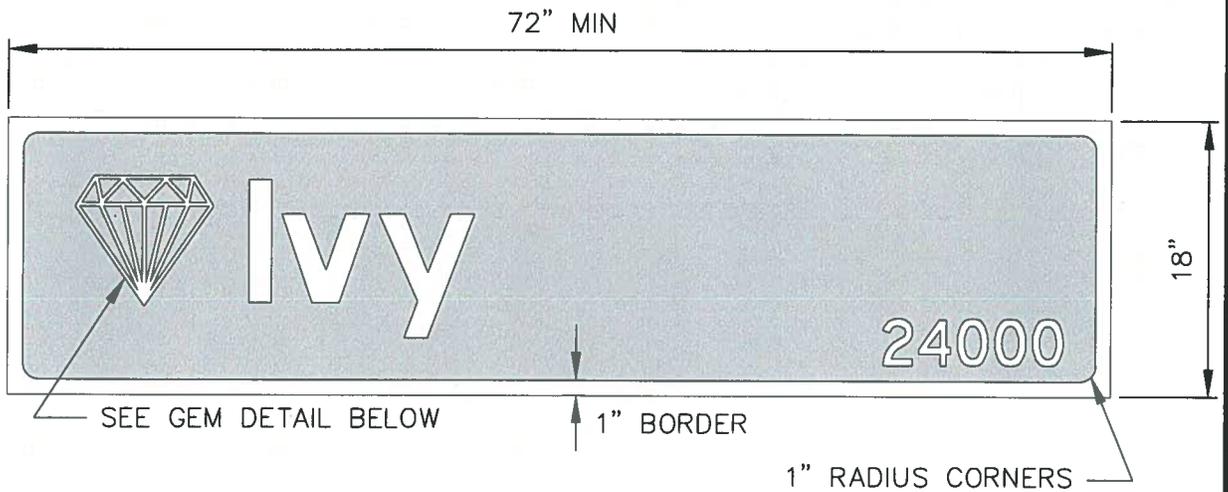


NOTE:

- ① STREET SIGN SHALL BE 9" EXTRUDED ALUMINUM HIGH TENSILE STRENGTH 6063T5 ALLOY BLADE, 0.091" THICK WITH 0.250" STIFFENER ALONG THE TOP AND BOTTOM EDGE. SIGN SHALL BE PAINTED ON BOTH SIDES AND INCLUDE WHITE REFLECTED 6" SERIES "C" STREET NAME LETTERS AND 3" BLOCK NUMBERS ON INTERSTATE GREEN REFLECTIVE SHEETING. PRIVATE STREET SHALL HAVE GREEN REFLECTED LETTERS AND NUMBERS ON WHITE REFLECTIVE SHEETING. REFLECTIVE SHEETING SHALL BE HIGH INTENSITY PRISMATIC GRADE WITH 1160 ANTI-GRAFFITI FILM.
- ② EXTRUDED ALUMINUM 90° CROSSPIECE.
- ③ SQUARE CAP.
- ④ SEE STD 612A.

**CITY OF MURRIETA
DEPARTMENT OF PUBLIC WORKS**

REVISIONS		STREET NAME SIGN	STD. NO. 601
5/92			
APPROVED 1/14/10			



GEM DETAIL
NOT TO SCALE

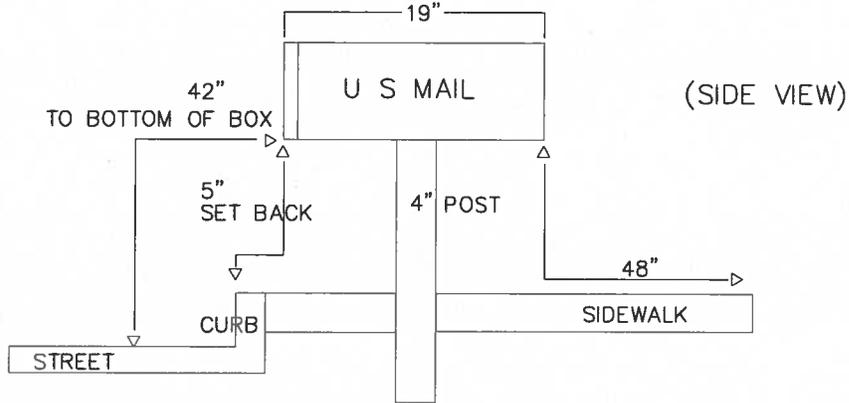
NOTES:

1. SIGN SHALL BE TYPE SG AS MANUFACTURED BY SAFEWAY SIGN COMPANY OR CITY-APPROVED EQUAL.
2. SIGN SHALL BE DOUBLE-SIDED.
3. REFLECTIVE SHEETING FOR THE SIGN BACKGROUND SHALL BE 3M DIAMOND GRADE VIP BLUE #3995.
4. REFLECTIVE SHEETING FOR THE LETTERING, ONE-INCH BORDER, AND CITY OF MURRIETA 'GEM' LOGO SHALL BE 3M DIAMOND GRADE VIP WHITE #3990.
5. STREET NAME LETTERING SHALL BE MUTCD FONT SERIES EM, 8-INCH U.C., 6-INCH L.C. BLOCK NUMBER LETTERING SHALL BE MUTCD FONT SERIES D, 3-INCH.
6. SIGN SHALL BE MOUNTED PER CALTRANS STANDARD ES-70.

CITY OF MURRIETA
DEPARTMENT OF PUBLIC WORKS

REVISIONS	REFLECTIVE STREET NAME SIGN MAST-ARM-MOUNTED	STD. NO.
		601A
APPROVED 1/14/10		

CURBLINE MAIL RECEPTACLE
INSTALLATION REQUIREMENTS
RURAL STYLE BOX

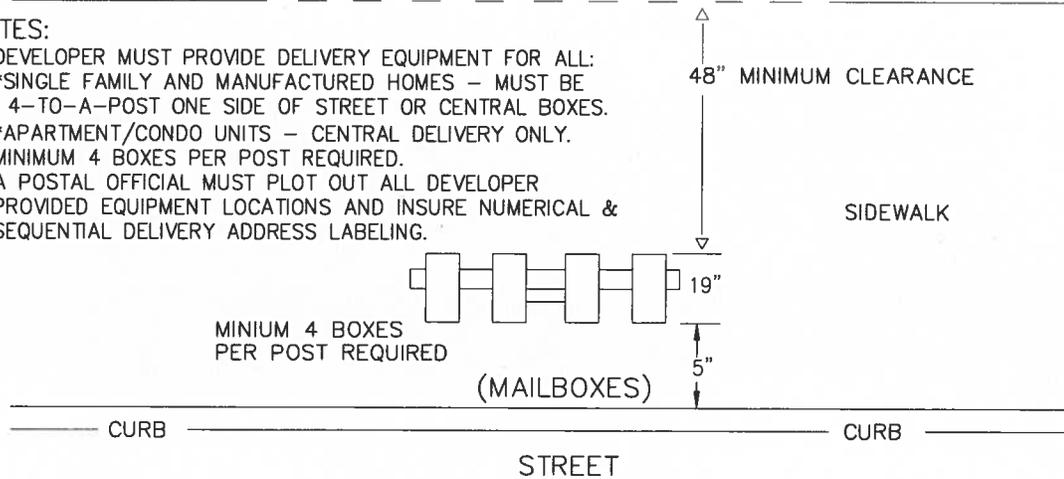


(TOP VIEW)

— WIDTH OF BOXES —

NOTES:

1. DEVELOPER MUST PROVIDE DELIVERY EQUIPMENT FOR ALL:
 *SINGLE FAMILY AND MANUFACTURED HOMES – MUST BE 4-TO-A-POST ONE SIDE OF STREET OR CENTRAL BOXES.
 *APARTMENT/CONDO UNITS – CENTRAL DELIVERY ONLY.
2. MINIMUM 4 BOXES PER POST REQUIRED.
3. A POSTAL OFFICIAL MUST PLOT OUT ALL DEVELOPER PROVIDED EQUIPMENT LOCATIONS AND INSURE NUMERICAL & SEQUENTIAL DELIVERY ADDRESS LABELING.



**CITY OF MURRIETA
DEPARTMENT OF PUBLIC WORKS**

REVISIONS	
5/92	
10/98	
APPROVED 1/14/10	

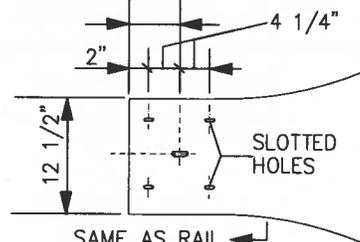
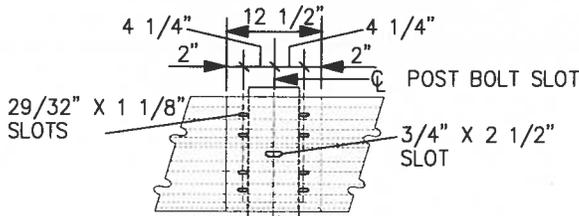
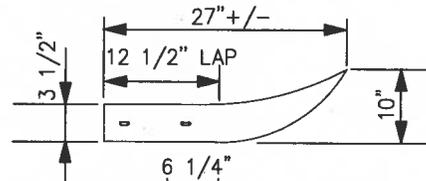
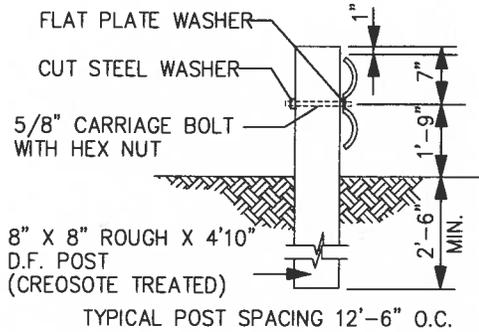
**CURBLINE MAIL
RECEPTACLE INSTALLATION**

STD. NO.

603

NOTES:

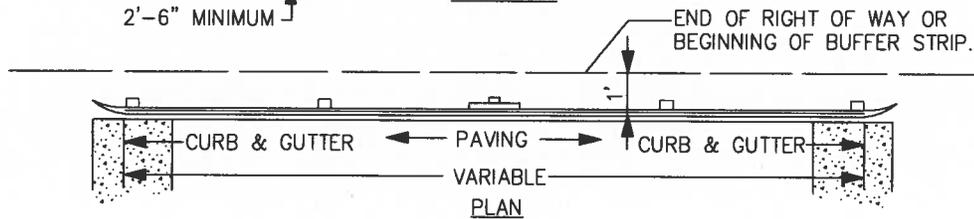
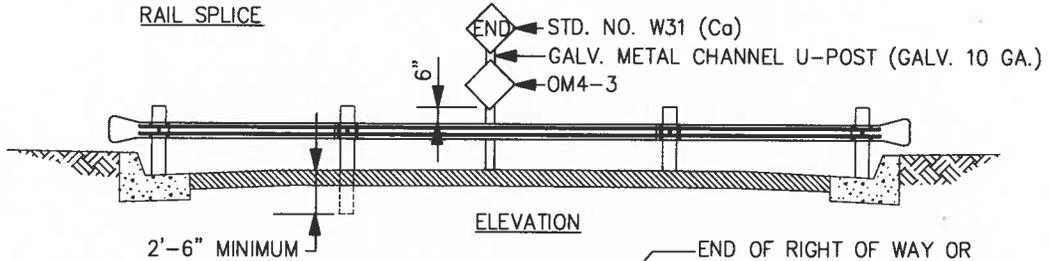
1. GUARD RAIL ELEMENT MAY BE EITHER STEEL OR ALUMINUM.
2. STEEL RAIL SHALL BE GALVANIZED PER ASTM DESIGNATION A-123.
3. STEEL RAIL THICKNESS SHALL BE MIN. 12 GAUGE.
4. ALUMINUM RAIL THICKNESS SHALL BE MIN. 0.105 IN.
5. ALL HOLES IN WOOD POSTS AND BLOCKS SHALL BE 3/4" DIAMETER
6. ALL HOLES IN STEEL POSTS AND BLOCKS SHALL BE 13/16" DIAMETER MAXIMUM.



5/8" X 1 1/4" BUTTON HEAD OVAL SHOULDER BOLTS WITH 1 1/4" RECESSED HEX NUTS - TOTAL: 8 PER SPLICE AND 4 PER TERMINAL SECTION.

TERMINAL SECTION

RAIL SPLICE



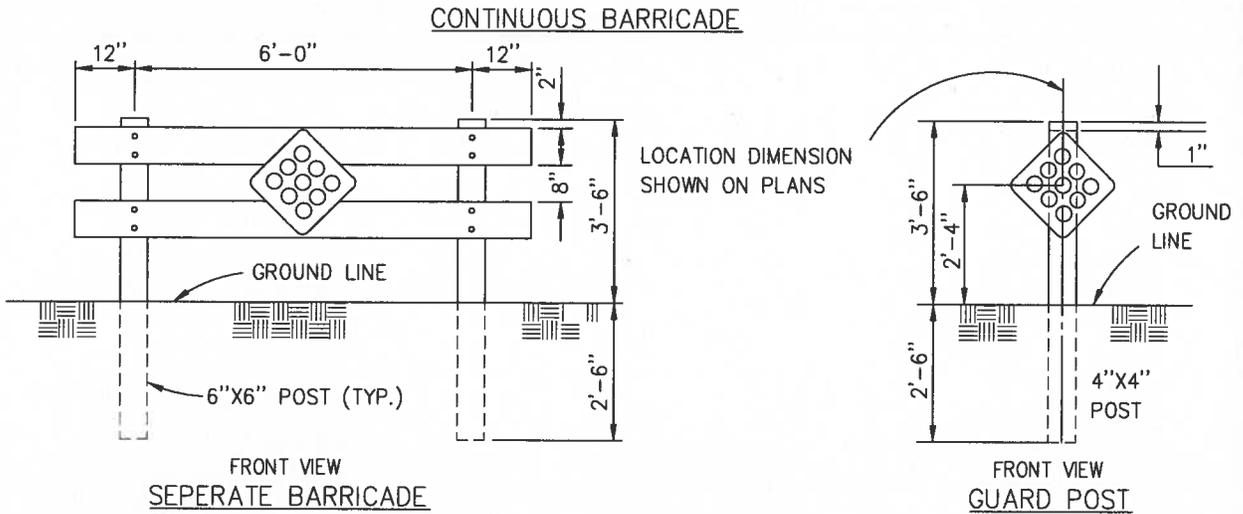
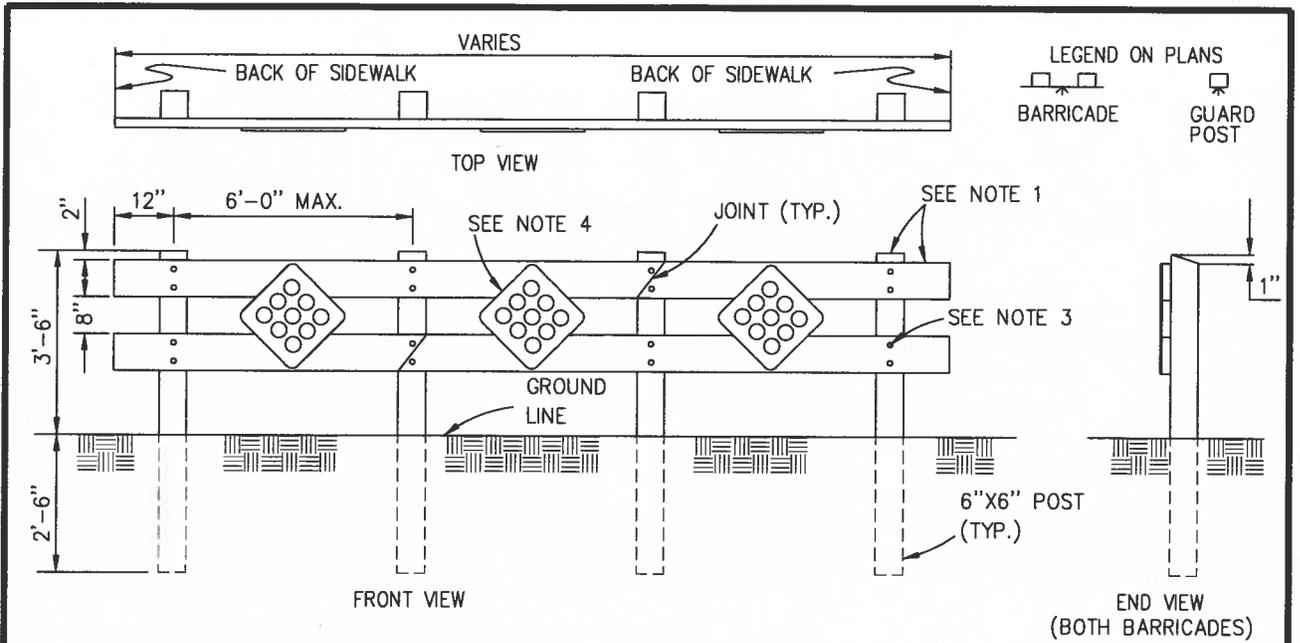
CITY OF MURRIETA
DEPARTMENT OF PUBLIC WORKS

REVISIONS	
5/92	
10/98	
APPROVED 1/14/10	

BARRICADE

STD. NO.

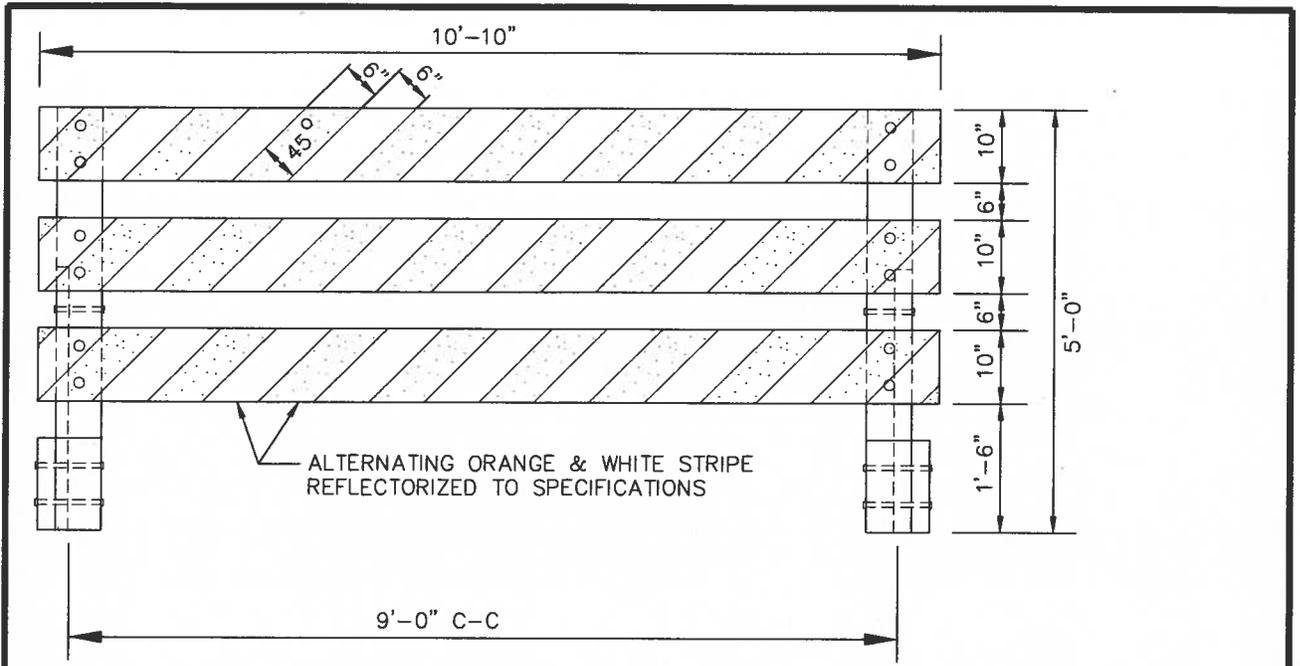
604



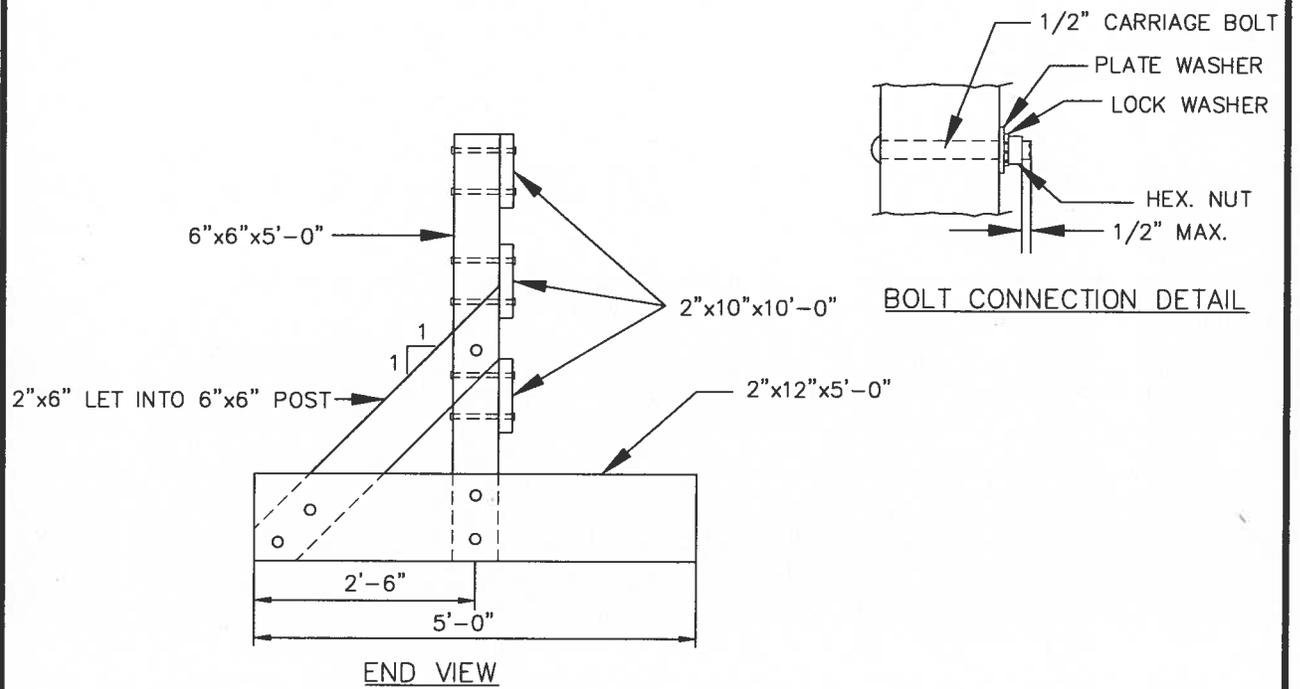
NOTES

1. POSTS TO BE STRUCTURAL GRADE REDWOOD OR PRESSURE TREATED (WITH WOOD PRESERVATIVE) DOUGLAS FIR, SURFACED FOUR SIDES; CROSS PIECES TO BE 2"x8" SELECT GRADE DOUGLAS FIR, SURFACED FOUR SIDES.
2. ALL EXPOSED POSITIONS OF BARRICADES SHALL BE PAINTED WITH TWO COATS OF WHITE EXTERIOR ENAMEL OVER PRIME COAT.
3. CONNECTIONS SHALL BE MADE WITH 3/8" X 6" GALVANIZED LAG SCREWS WITH ONE (1) WASHER EACH. REFLECTOR SIGN FASTENERS TO BE 3/8" X 1 1/2" GALVANIZED LAG SCREWS.
4. REFLECTOR SIGNS - CALIFORNIA TYPE N. SIZE 18" X 18" - YELLOW WITH NINE (9) - 3 1/2" REFLECTORS (CENTER MOUNT).
 - A. REFLECTORS SHALL BE RED FOR USE ON DEAD END STREETS, IN ALL OTHER CASES THEY SHALL BE YELLOW. REFLECTOR MATERIAL SHALL BE PLASTIC OR OTHER APPROVED REFLECTORIZED MATERIAL.
 - B. SIGN MATERIAL SHALL BE ALUMINIUM ALLOY 6061-T6 OR 5052-H38, ALUMINIUM THICKNESS 0.063 INCHES.
5. SIX FOOT LONG HAT SECTION METAL POST PER CALTRANS STD. PLAN A74-A OPTIONAL FOR GUARD POST.

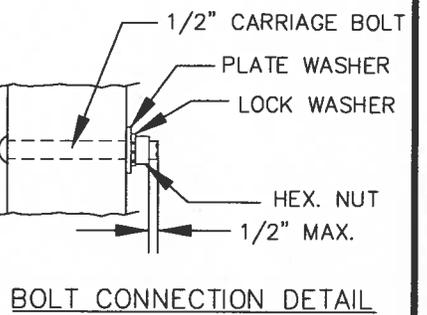
CITY OF MURRIETA		
DEPARTMENT OF PUBLIC WORKS		
REVISIONS	GUARD POST AND BARRICADE	STD. NO.
5/92		606
APPROVED 1/14/10		



FRONT VIEW



END VIEW



BOLT CONNECTION DETAIL

TIMBER BARRICADES – TYPE III SHALL BE USED BY THE ENGINEER FOR SPECIAL TRAFFIC CONTROL APPLICATIONS. BARRICADES SHALL BE SECURED WITH CHAINS AS DIRECTED BY THE ENGINEER.

CITY OF MURRIETA
DEPARTMENT OF PUBLIC WORKS

REVISIONS	
5/92	
APPROVED 1/14/10	

TIMBER BARRICADE - TYPE III

STD. NO.

609a

SHEET 1 OF 2

LUMBER:

ALL LUMBER SHALL BE KILN DRIED DOUGLAS FIR, CONSTRUCTION GRADE OR BETTER. S4S.

CONNECTIONS:

ALL CONNECTIONS SHALL BE BOLTED AS SHOWN ON PLAN AND BOLT CONNECTION DETAIL. ALL BOLTS, WASHERS SHALL BE HOT DIPPED GALVANIZED.

PAINTING:

ALL WOOD SURFACES SHALL BE PAINTED WITH ONE COAD OF WOOD PRIMER. WOOD PRIMER SHALL COMPLY IN ALL RESPECTS WITH FEDERAL SPECIFICATIONS TT-P-0025D, EXCEPT THAT IT SHALL DRY HARD IN NOT MORE THAN 12 HOURS. SUSEQUENT TO APPLICATION OF WOOD PRIMER, ALL WOOD SURFACES, EXCEPT RAIL SURFACES TO BE REFLECTORIZED, WILL BE PAINTED WITH ONE COAT OF LATEX-BASE WHITE PAINT. PAINT SHALL COMPLY IN ALL RESPECTS WITH FEDERAL SPECIFICATION TT-P-0096B.

REFLECTORIZED RAILS:

THE ENTIRE FRONT FACE OF ALL 2" x 10" x 10' - 0 (3 ea.) RAILS SHALL BE COVERED SUCH A REFLECTORIZED SHEETING MATERIAL HAVING ALTERNATING 6" WIDE ORANGE AND WHITE STRIPES SLOPING DOWNWARD TO THE LEFT AT 45 . REFLECTIVE SHEETING SHALL BE APPIED TO THE WOOD RAIL SURFACE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS, AND SHALL NOT CHIP, PEEL OR CRACK, AND SHALL MAINTAIN THE SPECIFIED MINIMUM REFECTANCE VALUES WHEN EXPOSED TO EXTERNAL USE FOR A PERIOD OF 3 YEARS. REFLECTIVE SHEETING SHALL MEET THE FOLLOWING MINIMUM DRY REFLECTANCE VALUES AT 0.2 AND 0.5 DEGREE DIVERGENCE EXPRESSED IN UNITS OF CANDLEPOWER PER FOOT CANDLE PER SQUARE FOOT, AS MEASURED AT A DISTANCE OF 50 FEET FROM THE LIGHT SOURCES. THE WET REFLECTANCE VALUES SHALL BE A MINIMUM OF 90 PERCENT OF THE DRY VALUES.

DRY REFLECTANCE VALUES

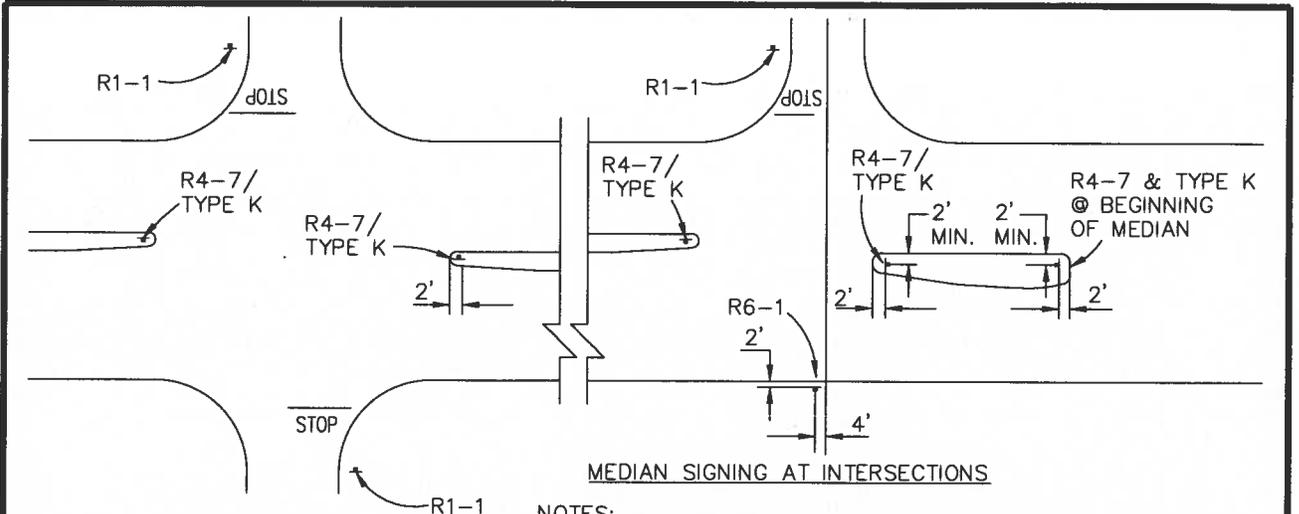
DIVERGENCE ANGLE (DEGREE)	INCIDENCE ANGLE (DEGREE)	WHITE	ORANGE
0.2	-4	50.0	13.0
0.2	30	12.0	4.0
0.5	-4	15.0	6.5
0.5	30	6.0	2.5

CERTIFICATES OF COMPLIANCE

SUPPLIER SHALL FURNISH CERTIFICATES OF COMPLIANCE SPECIFICTIONS FOR LUMBER, PAINT, AND REFLECTIVE SHEETING AS REQUIRED BY THE ENGINEER.

**CITY OF MURRIETA
DEPARTMENT OF PUBLIC WORKS**

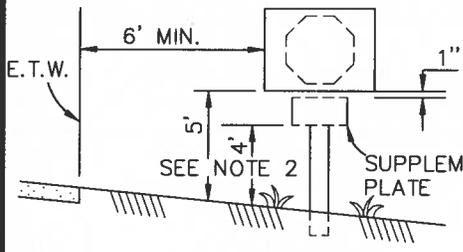
REVISIONS		TIMBER BARRICADE - TYPE III	STD. NO.
5/92			609b
APPROVED 1/14/10			SHEET 2 OF 2



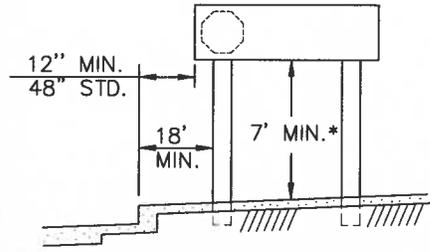
MEDIAN SIGNING AT INTERSECTIONS

NOTES:

1. SEE SHOULDER AND PARKWAY LOCATION DETAILS FOR STANDARD MOUNTING HEIGHTS. EXCEPTIONS SHOULD BE MADE TO AVOID SIGHT RESTRICTIONS OR UNDESIREABLE CONDITIONS, AT THE DIRECTION OF THE ENGINEER.
2. WHEN SUPPLEMENTAL PLATE IS USED, THE 4' MOUNTING HEIGHT SHALL SUPERSEDE THE 5' MOUNTING HEIGHT AT SHOULDER LOCATIONS.
3. SEE THE LATEST STATE OF CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) R1-1, R4-7, TYPE K AND TYPE N DETAILS. SIGNS SHALL BE STANDARD SIZE UNLESS OTHERWISE NOTED. R1-1 and TYPE N SHALL BE FACED WITH HIGH INTENSITY PRISMATIC (HIP) OR EQUIVALENT GRADE REFLECTIVE MATERIAL, MEETING STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS, SECTION 718, REFLECTIVE SHEETING AND 1160 ANTI-GRAFFITI FILM.
4. PARKWAY AND SHOULDER SIGNS HAVING A HORIZONTAL WIDTH 48" OR GREATER SHALL BE DUAL-POST MOUNTED. SIGNS LESS THAN 48" IN WIDTH SHALL BE MOUNTED ON A SINGLE POST. POST(S) SHALL BE SQUARE PERFORATED STEEL TUBING WITH BREAKAWAY BASE EXCEPT WHEN MOUNTED ON SAME POST AS STREET NAME SIGN. SEE PLAN VIEW FOR ANGULAR PLACEMENT OF SIGNS. SEE STD. NO. 612 FOR SQUARE PERFORATED STEEL TUBING DETAIL.
5. ADVANCE STREET NAME SIGNS PLACED IN MEDIANS SHALL BE 2' FROM THE EDGE OF THE TRAVELED WAY, AND BE LOCATED APPROXIMATELY 300' FROM THE INTERSECTION OR 100' FROM THE BEGINNING OF A LEFT TURN POCKET. SIGN MOUNTING HEIGHT SHALL BE 5' ABOVE MEDIAN SURFACE OR AS DIRECTED BY THE ENGINEER. POSTS FOR ADVANCE STREET NAME SIGNS SHALL BE SQUARE PERFORATED STEEL TUBING.
6. SIZING OF R1-1 ("STOP") SIGNS:
 - 24" - LOCAL TO LOCAL INTERSECTION WITH LOW APPROACH SPEED AND GOOD VISIBILITY.
 - 30" - STANDARD SIZE.
 - 36" - WHERE THE APPROACH WIDTH IS GREATER THAN 30'; DUAL SIGNS SHALL BE USED WHERE THERE IS A RAISED MEDIAN AND APPROACH WIDTH IS GREATER THAN 30'.
 - 48" - WHERE THE ENGINEER DETERMINES THERE IS A DEMONSTRATED OR POTENTIAL ACCIDENT PROBLEM.



SHOULDER LOCATIONS



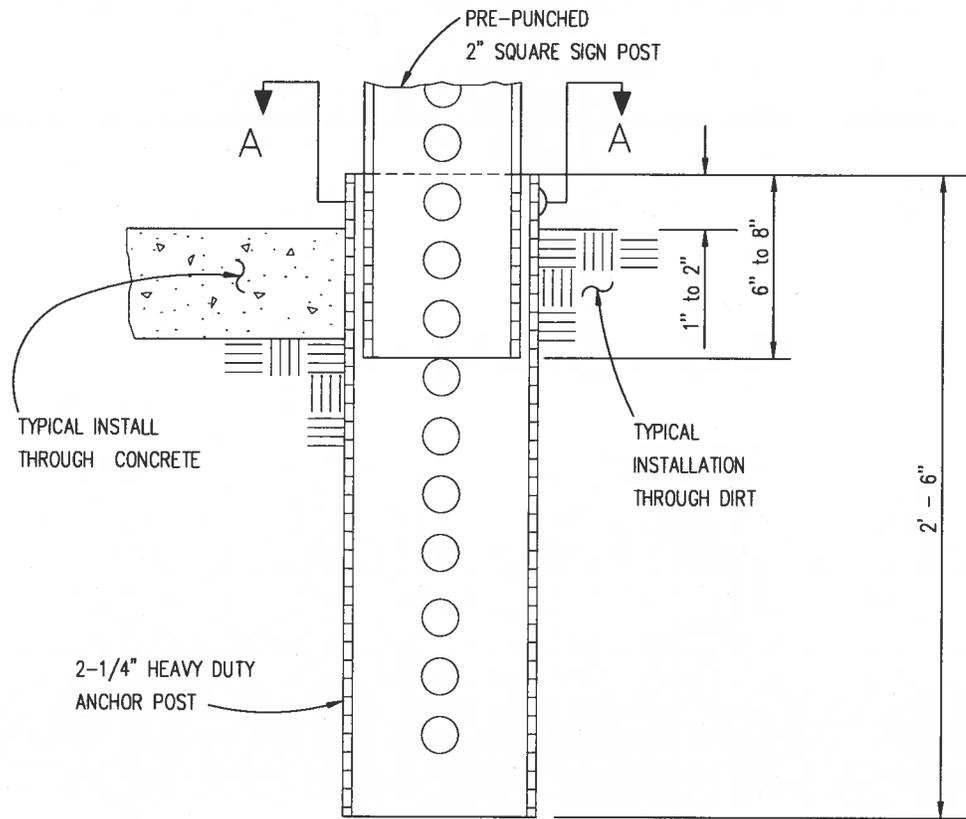
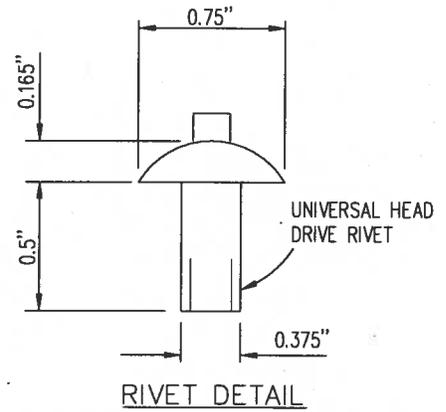
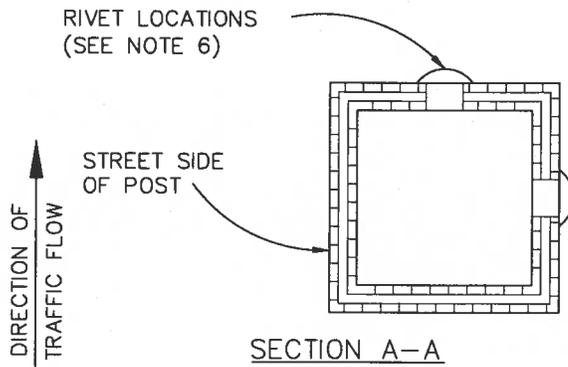
PARKWAY LOCATIONS

* 8' MINIMUM AT DESIGNATED BIKE TRAIL

**CITY OF MURRIETA
DEPARTMENT OF PUBLIC WORKS**

REVISIONS		STD. NO.
5/92		610
APPROVED 1/14/10		

TRAFFIC SIGN PLACEMENT



TYPICAL SECTION

CITY OF MURRIETA
DEPARTMENT OF PUBLIC WORKS

REVISIONS	
5/92	
APPROVED 1/14/10	

SIGN POST INSTALLATION

STD. NO.

612a

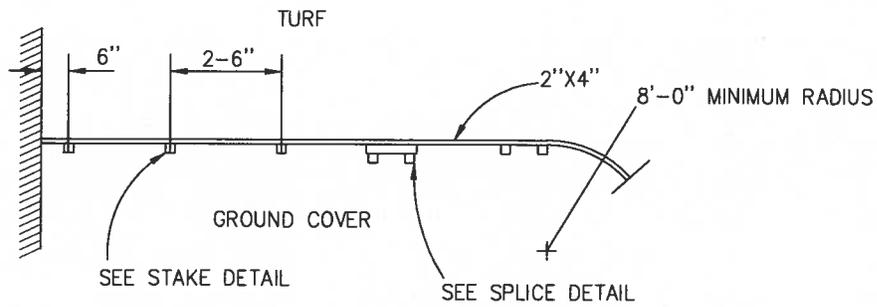
SHEET 1 OF 2

NOTES:

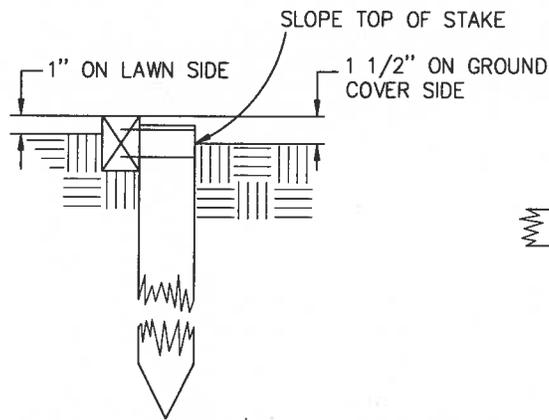
1. SQUARE PERFORATED STEEL TUBE POSTS WITH BREAK-AWAY BASE, "TELESPAR," SHALL BE USED FOR ALL TRAFFIC CONTROL AND INFORMATIONAL SIGNS WITHIN ROAD RIGHT-OF-WAY, WITH THE EXCEPTION OF STREET NAME SIGNS PER STANDARD PLAN 601.
2. THE NUMBER OF POSTS REQUIRED FOR SIGN INSTALLATION SHALL BE DETERMINED BY THE AREA OF THE SIGN OR COMBINATION OF SIGNS TO BE INSTALLED. A SINGLE POST SHALL BE USED WHERE BOTH THE LENGTH AND WIDTH ARE LESS THAN 48", WITH THE EXCEPTION OF A 48" X 48" STOP SIGN. DOUBLE POSTS SHALL BE USED WHERE EITHER THE LENGTH OR THE WIDTH EXCEEDS 48".
3. THE ANCHOR ASSEMBLY SHALL CONSIST OF A 2 1/2" SQUARE BY 2'-6" HEAVY DUTY ANCHOR POST.
4. THE ANCHOR ASSEMBLY, CONSISTING OF THE ANCHOR POST, SHALL BE DRIVEN SIMULTANEOUSLY UNTIL ONLY 1" TO 2' REMAINS ABOVE GROUND LEVEL. THE TOPS OF BOTH PIECES SHALL BE FLUSH.
5. ALL DIRT SHALL BE REMOVED FROM THE INSIDE TOP 8" OF THE ANCHOR ASSEMBLY TO ALLOW FOR INSTALLATION OF THE SIGN POST.
6. INSTALL THE 2" SQUARE SIGN POST 6" TO 8" INTO THE ANCHOR ASSEMBLY AND SECURE IN PLACE WITH TWO 5/16" UNIVERSAL HEAD DRIVE RIVETS AS SHOWN. THE RIVETS SHALL BE INSTALLED ON THE SIDE OPPOSITE TRAFFIC FLOW AND THE SIDE AWAY FROM TRAFFIC AS SHOWN IN ORDER TO ACHIEVE THE MAXIMUM BREAK-AWAY EFFECT.
7. INSTALLATION ACCORDING TO THESE REQUIREMENTS IS ESSENTIAL TO MAINTAIN THE BREAK-AWAY CHARACTERISTICS OF THE POST SYSTEM. UNDER NO CIRCUMSTANCE SHALL THE ANCHOR ASSEMBLY BE SECURED IN CONCRETE FOOTINGS.

CITY OF MURRIETA
DEPARTMENT OF PUBLIC WORKS

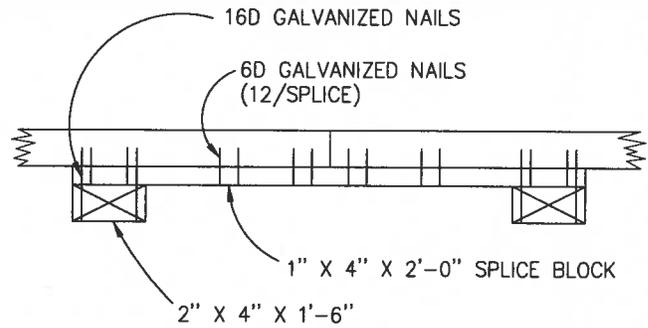
REVISIONS	SIGN POST INSTALLATION	STD. NO.
5/92		612b
		SHEET 2 OF 2
APPROVED 1/14/10		



PLAN OF HEADER



STAKE DETAIL



SPLICE DETAIL

NOTES:

1. HEADERS AND STAKES SHALL BE REDWOOD OR DOUGLAS FIR TREATED PER AWPA RECOMMENDED PRACTICE.
2. USE TWO LAMINATED 1" X 4" BOARDS FOR CURVED HEADER BOARDS.
3. USE GALVANIZED NAILS.

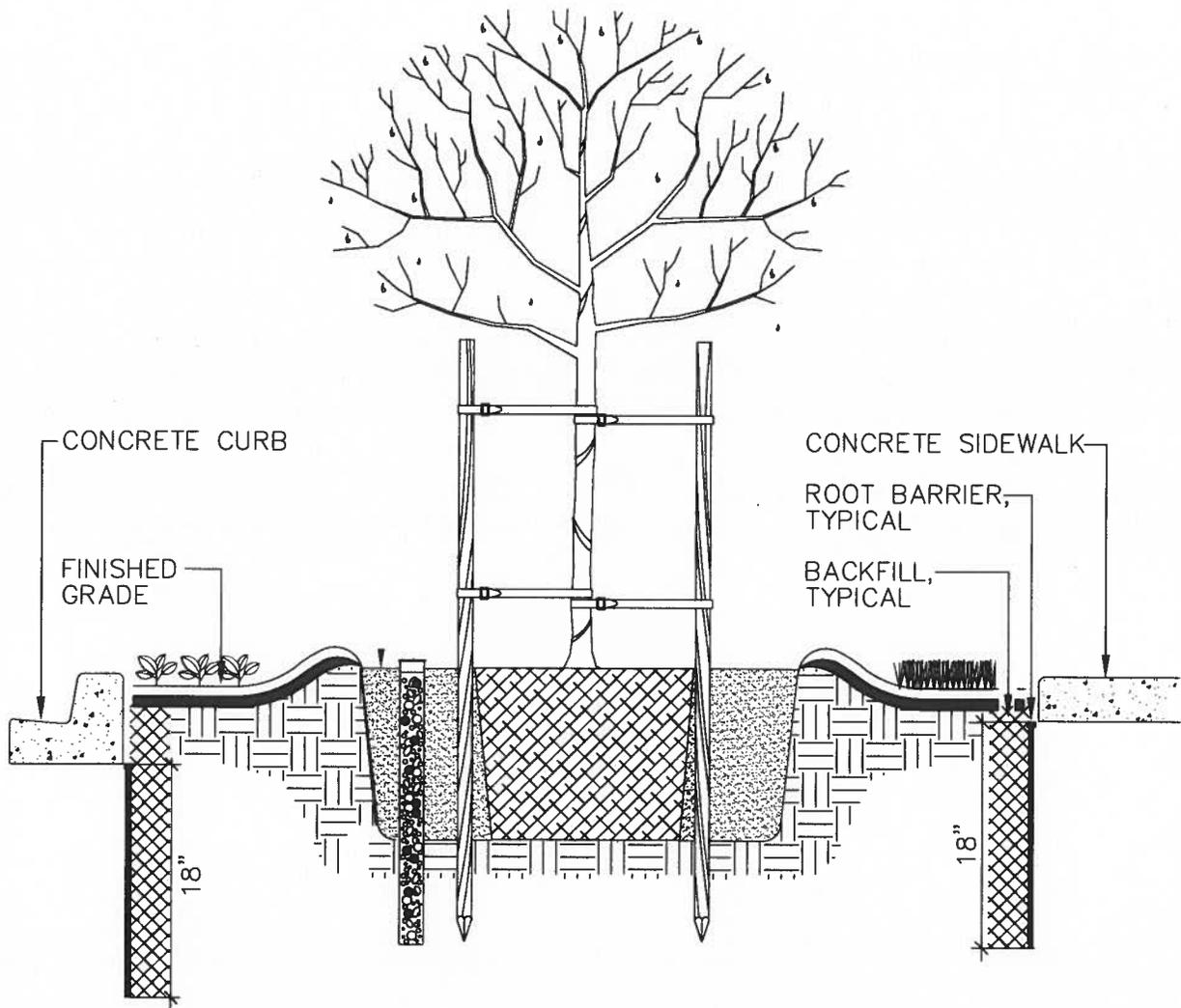
CITY OF MURRIETA
DEPARTMENT OF PUBLIC WORKS

REVISIONS	
5/92	
APPROVED 1/14/10	

HEADER DETAILS

STD. NO.

613



NOTES:

1. DETAIL IS FOR THE INSTALLATION OF ROOT BARRIERS ONLY, REFER TO THE TREE DETAILS FOR INSTALLATION INSTRUCTIONS FOR TREES.
2. PROVIDE A MIN. OF 20 FEET OF ROOT BARRIER CENTERED ON TREE.
3. ROOT BARRIER SHALL BE 18" BIO BARRIER OR APPROVED EQUAL.
4. CENTER TREE BETWEEN CURB AND SIDEWALK.

CITY OF MURRIETA
DEPARTMENT OF PUBLIC WORKS

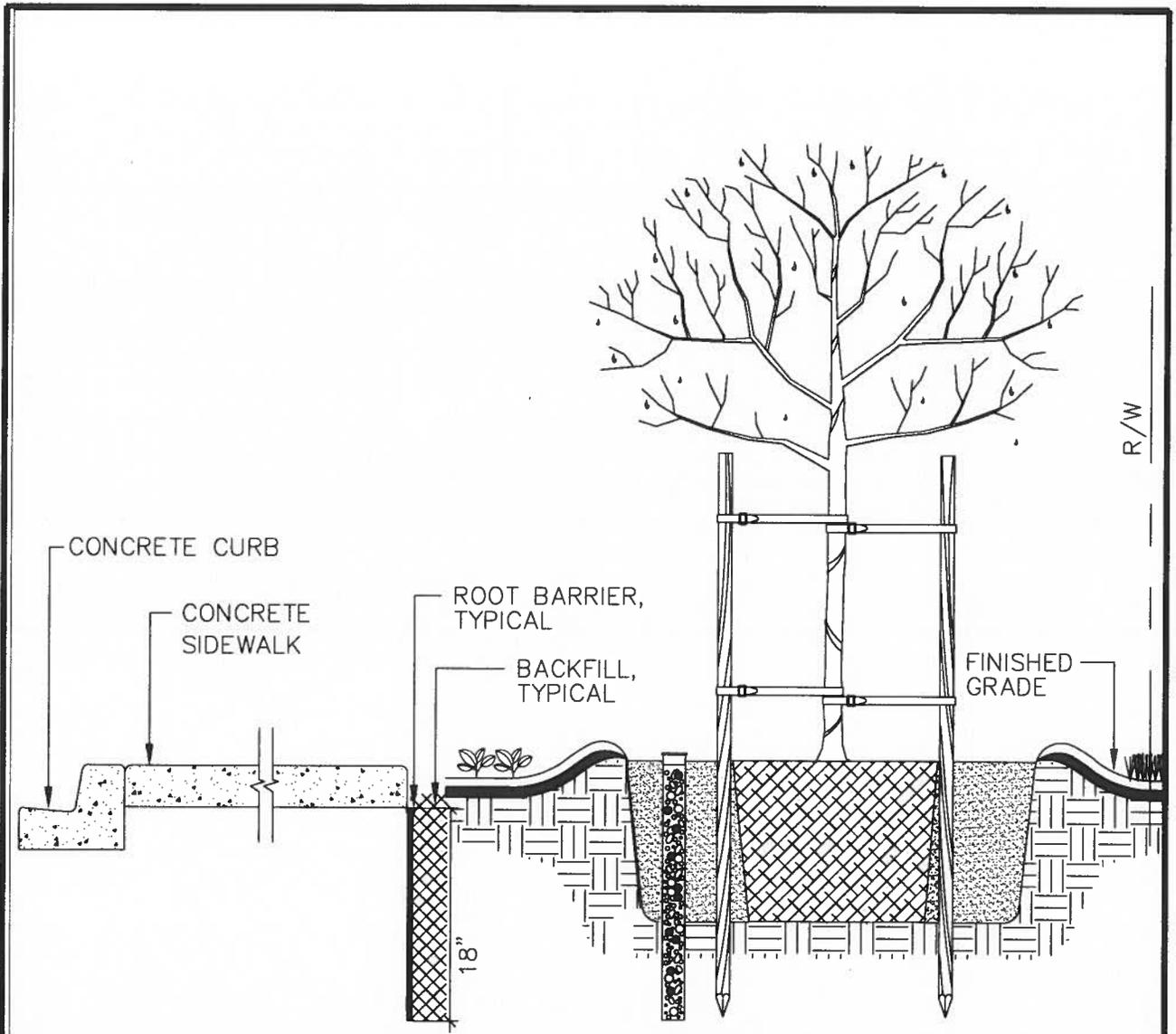
REVISIONS	
5/92	
APPROVED 1/14/10	

**TREE ROOT BARRIER
SIDEWALK AT R/W**

STD. NO.

614a

SHEET 1 OF 2



NOTES:

1. DETAIL IS FOR THE INSTALLATION OF ROOT BARRIERS ONLY, REFER TO THE TREE DETAILS FOR INSTALLATION INSTRUCTIONS FOR TREES.
2. PROVIDE A MIN. OF 20 FEET OF ROOT BARRIER CENTERED ON TREE.
3. ROOT BARRIER SHALL BE 18" BIO BARRIER OR APPROVED EQUAL.
4. PLACE TREE 4' MIN FROM SIDEWALK.

CITY OF MURRIETA
DEPARTMENT OF PUBLIC WORKS

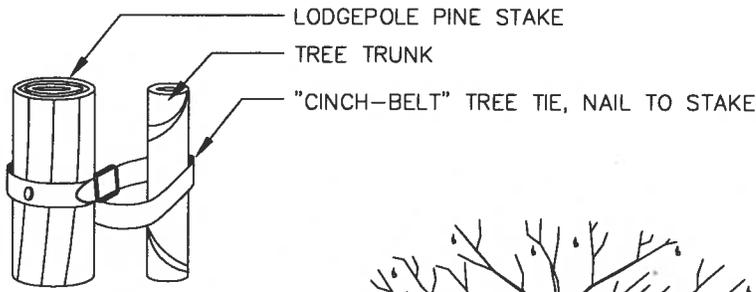
REVISIONS	
5/92	
APPROVED 1/14/10	

TREE ROOT BARRIER
SIDEWALK AT CURB

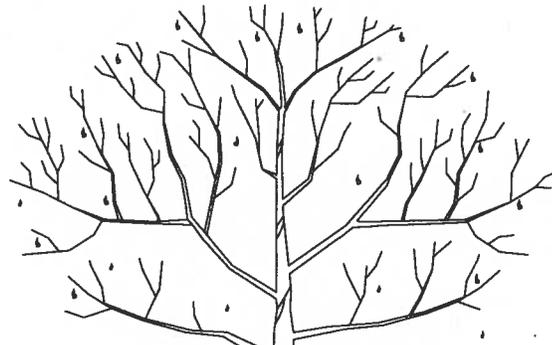
STD. NO.

614b

SHEET 2 OF 2



TREE TIE
DETAIL



LODGEPOLE PINE
STAKES, 10 FT
LONG, 2 REQUIRED

CINCH-BELT, SECURED
TO STAKE WITH
GALVANIZED NAILS

BACKFILL MIX,
SEE SPECIFICATIONS

3" DRAIN CAP

1X
ROOTBALL

3" PERFORATED
PVC PIPE & SLIP
CAP W/ GRAVEL PER
PLANTING PLAN

NOTE:

ALL PLANT BASINS SHALL RECEIVE A 4" DEEP LAYER OF APPROVED MULCH.

MAINTAIN TURF FREE
AREA 12" FROM TRUNK

6" BASIN IN G. COVER
3" BASIN IN LAWN

FINISHED
GRADE

PLANTING TABLETS,
SEE SPECIFICATIONS

PLANTING BACKFILL
PUDDLE AND SETTLE
TO SET PLANT AT
FINISHED GRADE

3X ROOTBALL

CITY OF MURRIETA
DEPARTMENT OF PUBLIC WORKS

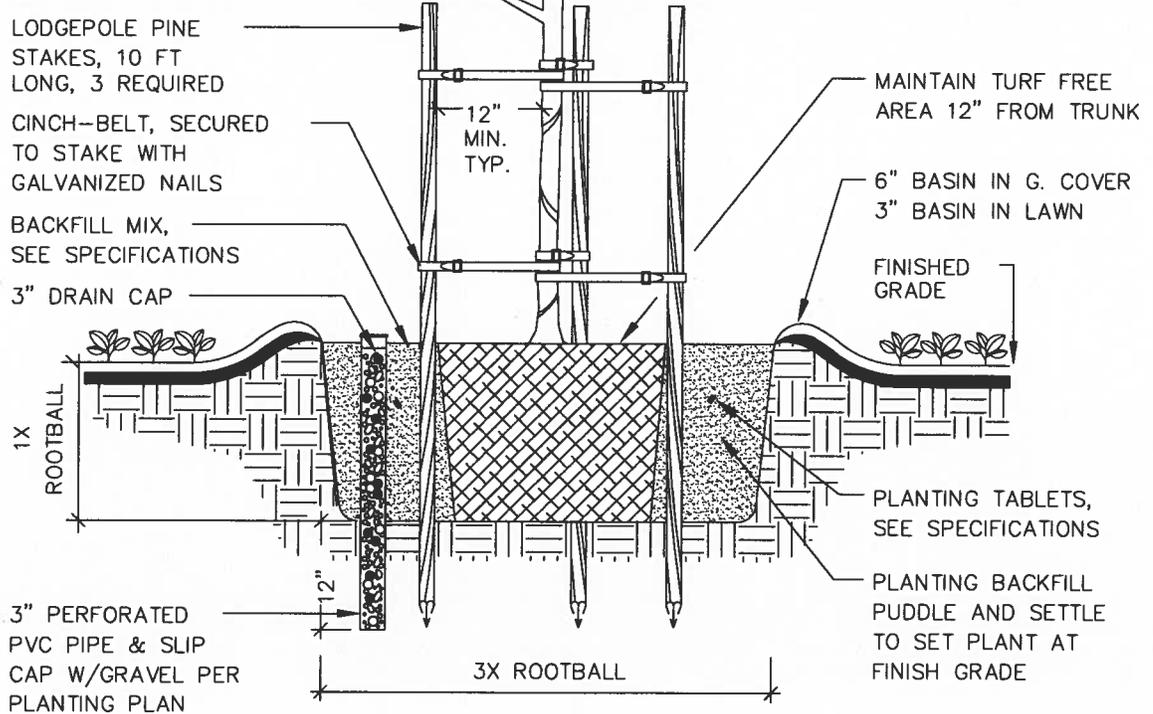
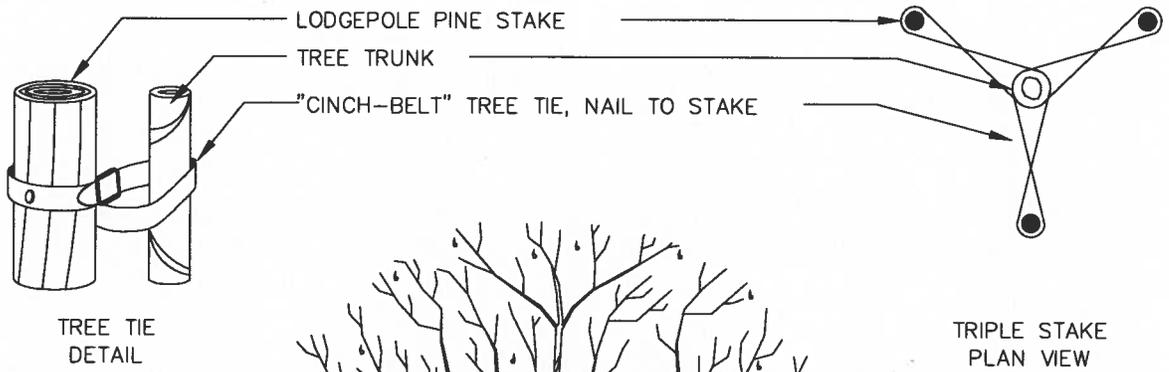
REVISIONS	
APPROVED 1/14/10	

STREET TREE
DOUBLE STAKE TREE
5 GAL, 15 GAL, 24" BOX

STD. NO.

615a

SHEET 1 OF 5



NOTE:
ALL PLANT BASINS SHALL RECEIVE A 4" DEEP LAYER OF APPROVED MULCH.

CITY OF MURRIETA
DEPARTMENT OF PUBLIC WORKS

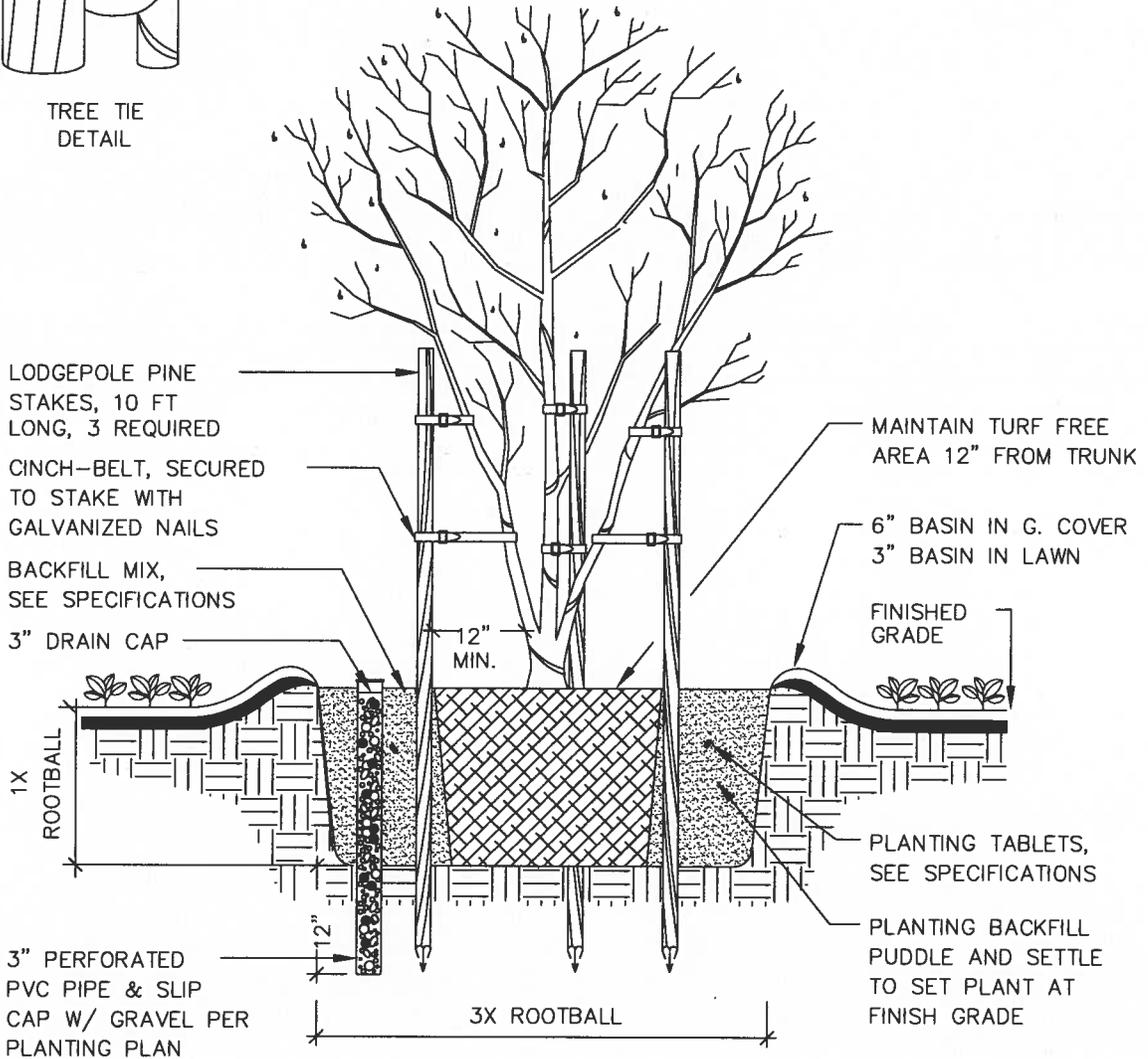
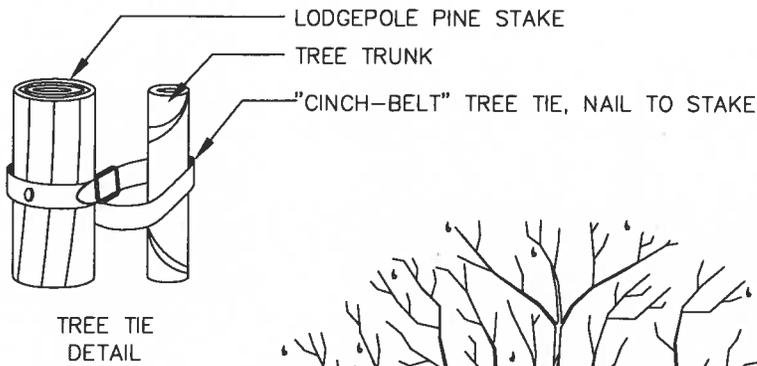
REVISIONS
APPROVED 1/14/10

STREET TREE
DOUBLE STAKE TREE
30" BOX SIZE OR GREATER

STD. NO.

615b

SHEET 2 OF 5



NOTE:

ALL PLANT BASINS SHALL RECEIVE A 4" DEEP LAYER OF APPROVED MULCH.

CITY OF MURRIETA
 DEPARTMENT OF PUBLIC WORKS

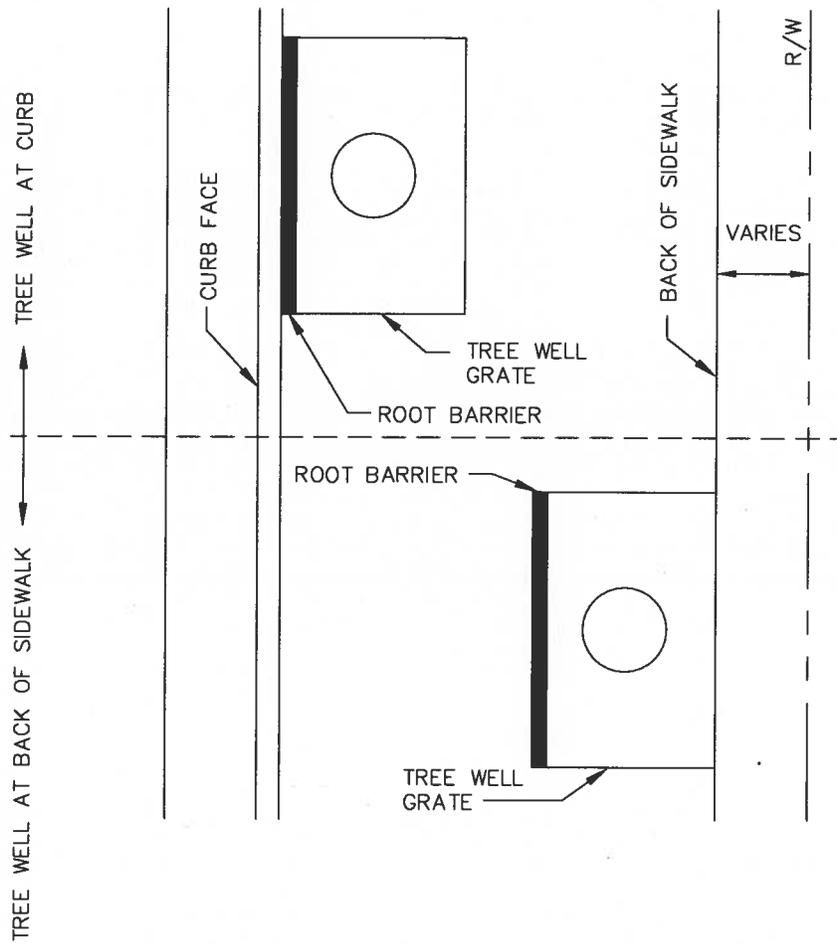
REVISIONS
APPROVED 1/14/10

STREET TREE
 MULTI TRUNK TREE
 24" BOX SIZE OR GREATER

STD. NO.

615c

SHEET 3 OF 5



NOTES:

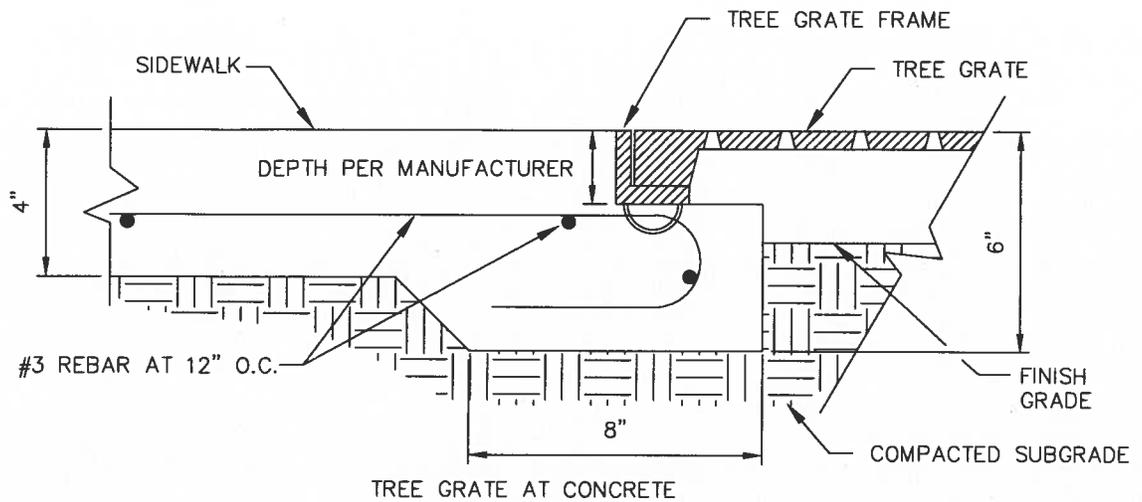
1. ROOT BARRIER PER STANDARD 614.
2. TREE WELL GRATE AND FRAME SHALL BE SOUTH BAY FOUNDRY MODEL SP D00 4'X6', OR APPROVED EQUAL.
3. TREE WELLS SHALL BE SPACED APPROXIMATELY 50 FEET APART, BUT NOT LESS THAN ONE PER RESIDENTIAL LOT.
4. LOCATION OF TREE WELLS SHALL BE SUBJECT TO THE FOLLOWING CONDITIONS:
 - A. 50' FROM CURB RETURNS
 - B. 20' FROM LIGHT STANDARDS
 - C. 10' FROM FIRE HYDRANTS
 - D. 10' FROM DRIVEWAYS
5. TREE WELLS SHALL BE BACKFILLED WITH CLEAN SOIL AND FLUSH WITH ADJACENT WALK UNTIL TREES ARE PLANTED.
6. FOR TREE GRATE AND FRAME DETAILS, SEE 615e.

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DEPARTMENT OF PUBLIC WORKS**

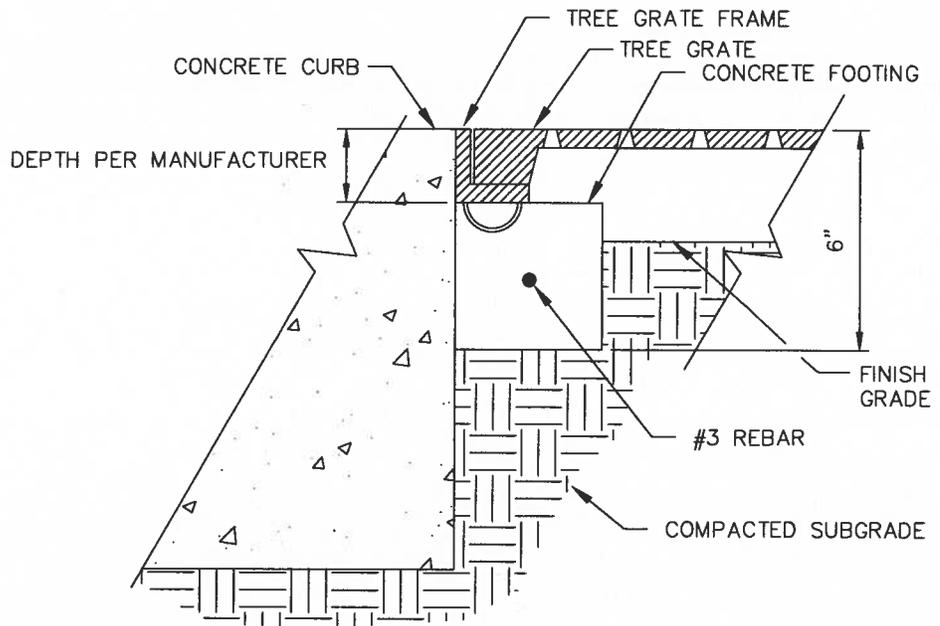
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TREE WELL

STD. NO.
615d
SHEET 4 OF 5



TREE GRATE AT CONCRETE



TREE GRATE AT CURB

NOTES:

1. CONCRETE SHALL BE 560-C-3250.
2. CONCRETE FOOTING SHALL BE MIN. 4" X 4".
3. TREE GRATE AND FRAME PER STANDARD 615d.

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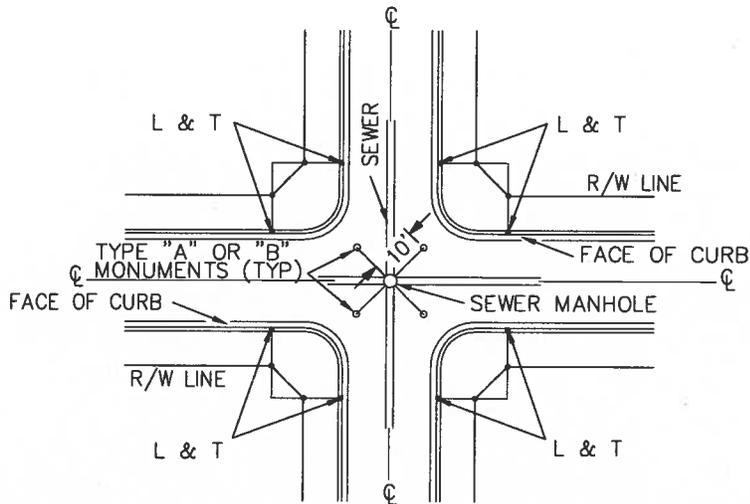
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TREE WELL

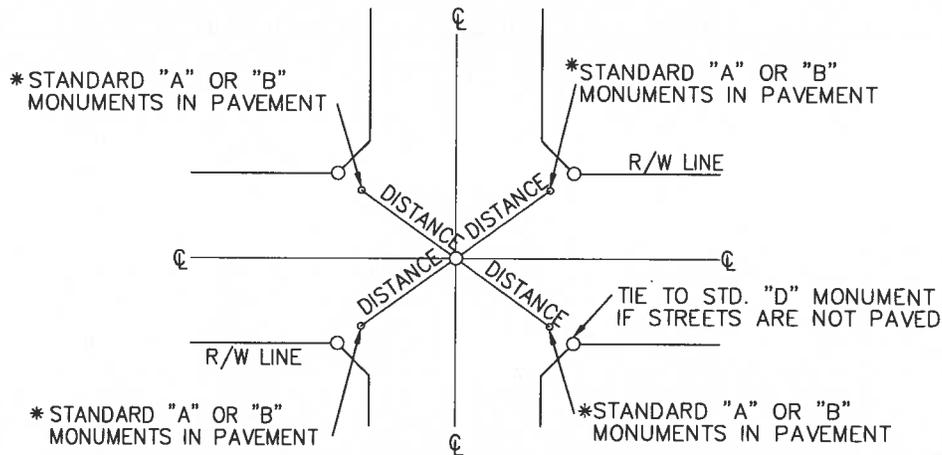
STD. NO.

615e

SHEET 5 OF 5



MONUMENTING STREET CENTERLINES WHEN SEWERS ARE LOCATED ON CENTERLINE



*SET TIE IN PAVEMENT IF R/W IS UNAVAILABLE.

MONUMENTING STREET CENTERLINES WHERE CURBS ARE NOT REQUIRED

NOTES:

1. L & T AS SHOWN HEREON INDICATES LEAD AND TACK OR STEEL PIN MONUMENT SET IN CURB.
2. LEAD AND TAG OR STEEL PIN MONUMENT WITNESS TO PROPERTY CORNER MAY BE SET, NOT REQUIRED.
3. SEE MONUMENT SPECS 21 (RIVERSIDE COUNTY ROAD IMPROVEMENT STANDARDS AND SPECIFICATIONS) FOR TYPE "A, C, D, & E" MONUMENT DESCRIPTION AND STD. 618 FOR TYPE "B" MONUMENT DRAWING.

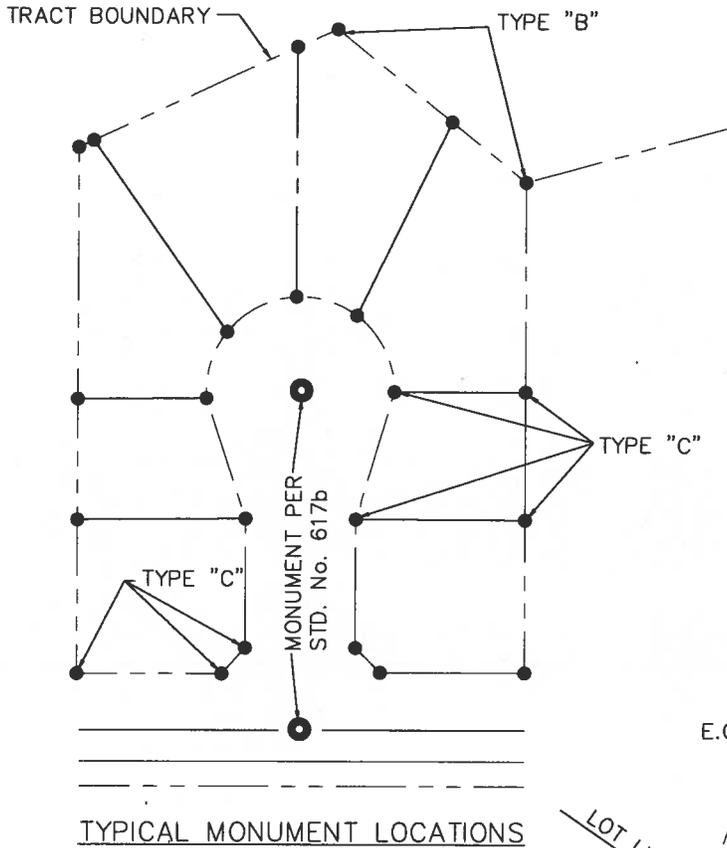
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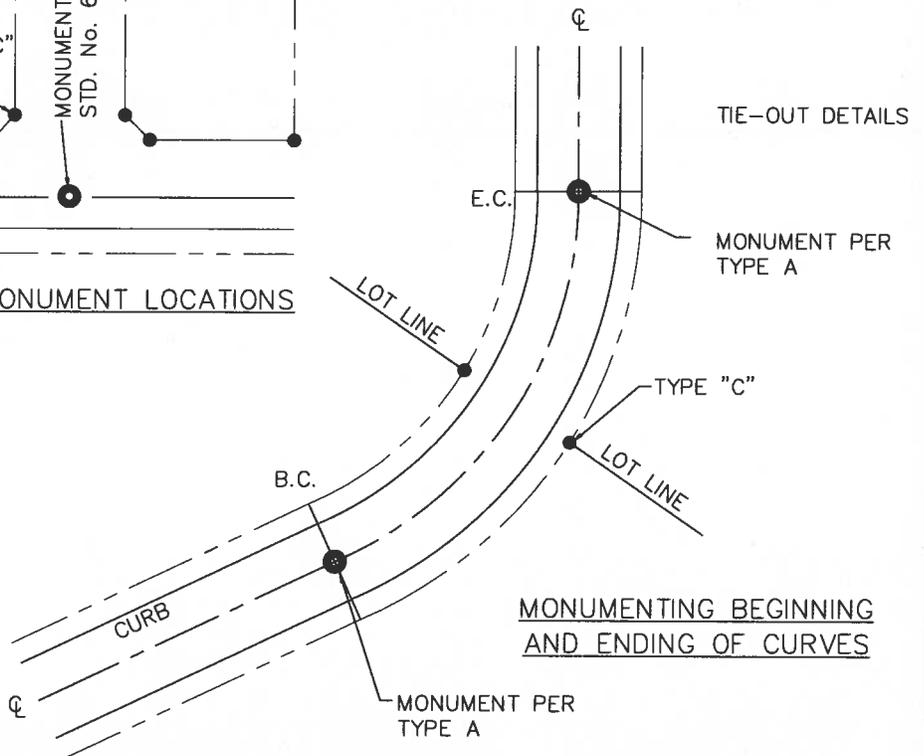
TIE-OUT STANDARDS

STD. NO.

616



TYPICAL MONUMENT LOCATIONS



MONUMENTING BEGINNING AND ENDING OF CURVES

NOTES:

1. L & T AS SHOWN HEREON INDICATES LEAD AND TACK OR STEEL PIN MONUMENT SET IN CURB.
2. LEAD AND TAG OR STEEL PIN MONUMENT WITNESS TO PROPERTY CORNER MAY BE SET, NOT REQUIRED.
3. SEE MONUMENT SPECS 21 (RIVERSIDE COUNTY ROAD IMPROVEMENT STANDARDS AND SPECIFICATIONS) FOR TYPE "A, C, D, & E" MONUMENT DESCRIPTION AND STD. 618 FOR TYPE "B" MONUMENT DRAWING.

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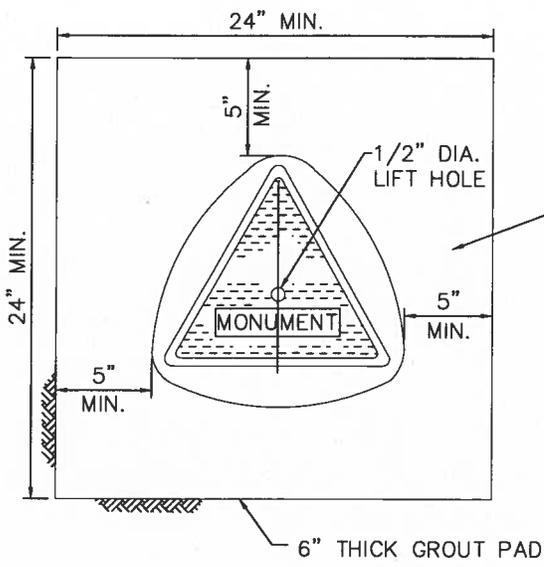
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MONUMENT LOCATIONS

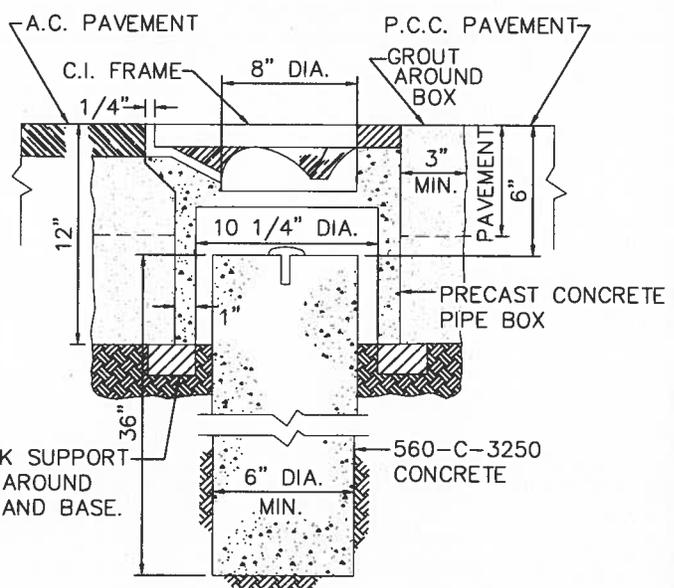
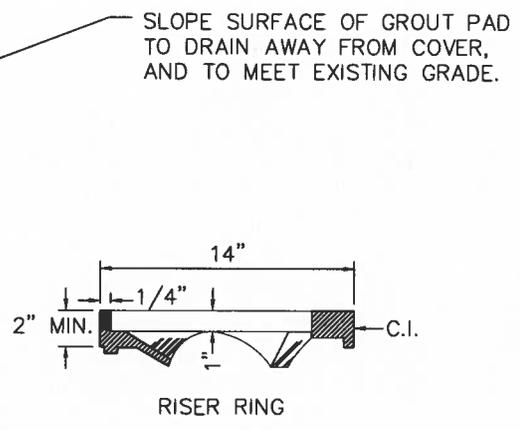
STD. NO.

617a

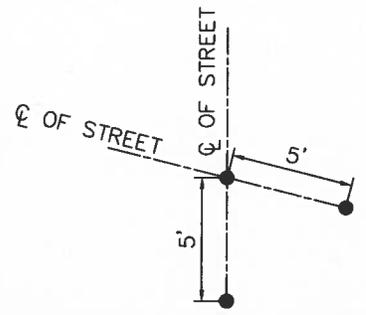
SHEET 1 OF 3



PLAN-IN UNPAVED AREA



TYPICAL MONUMENT SECTION IN PAVED AREA



ALTERNATE LOCATION OF MONUMENT. TIE DISTANCES SHOWN ON FINAL SUB-DIVISION MAP IF ALTERNATE LOCATION IS USED.

LOCATION OF STREET SURVEY MONUMENT

TO BE USED AT INTERSECTION STREETS ONLY. NOT AT B.C./E.C. MONUMENT LOCATIONS IN STREETS

CITY OF MURRIETA
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STREET CENTERLINE
INTERSECTION MONUMENT

STD. NO.

617b

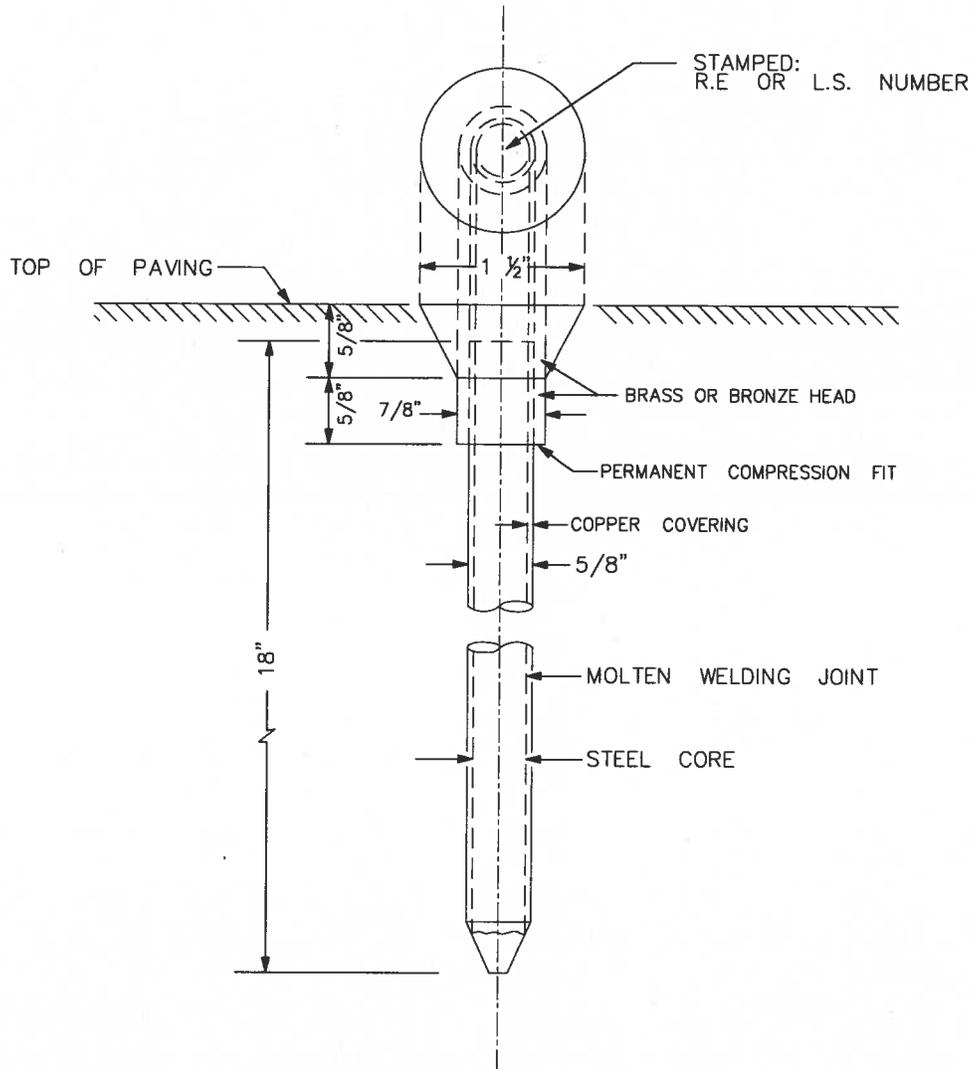
SHEET 2 OF 3

NOTES:

1. COVER AND FRAME TO BE CAST WITH PIPE BOX.
2. MONUMENT BASE MAY BE CAST IN PLACE OR PRECAST.
3. FORM AND TAPER EXPOSED UPPER 6" OF CAST IN PLACE BASE TO TOP DIAMETER OF 5". (PRECAST BASE SHALL BE SAND BACKFILLED).
4. MONUMENT MARKER SHALL BE A DOMED BRASS, 3" IN DIAMETER.
5. MONUMENT LOCATION:
 - A) SET ON ALL CENTERLINE INTERSECTIONS UNLESS ACTUAL LOCATION IS MODIFIED BY THE AGENCY AND SHOWN IN MODIFIED LOCATION ON MAP. WHEN CENTERLINE INTERSECTION IS IMPARTIAL, OFFSET 5 FEET ON CENTERLINE OF MAJOR STREET, (SEE DETAIL ON SHEET 2). IF NEITHER CENTERLINE CAN BE OCCUPIED, TWO MONUMENTS WILL BE SET INLINE AROUND THE FRONT ON THE PERIMETER OF A 10-FOOT DIAMETER CIRCLE, WHOSE CENTER IS THE POINT.
 - B) SET ON CENTERLINE AT INTERVALS NOT EXCEEDING 1000 FEET ON STRAIGHT RUNS.
 - C) SET ON CENTERLINE AT POINTS OF CURVATURE.
 - D) SET ON CENTER AT CENTER POINTS OF CUL-DE-SACS.
 - E) SET ON CENTERLINE WHEN CENTER POINT OF CUL-DE-SAC IS OFFSET FROM CENTERLINE.
 - F) THESE STANDARDS MAY BE MODIFIED BY THE AGENCY IN CASES WHERE STRICT COMPLIANCE THERWITH RESULTS IN MORE MONUMENTS THAN IS CONSIDERED NECESSARY. THE FOLLOWING TECHNIQUE FOR REDUCING THE NUMBER OF MONUMENTS WILL BE ROUTINE.
 - G) SUBSTITUTION OF ONE MONUMENT ON THE "POINT OF INTERSECTION" FOR MONUMENTS AT THE "BEGINNING OF CURVE" AND THE "ENDING OF CURVE" WHEN THE "POINT OF INTERSECTION" FALLS WITHIN THE PAVEMENT AREA.
 - H) A MONUMENT MAY BE DELETED WHICH IS OTHERWISE REQUIRED BY THESE STANDARDS WHEN ITS POSITION CAN BE DETERMINED BY TURNING ONE ANGLE FROM A POINT ON A STRAIGHT LINE BETWEEN TWO OTHER MONUMENTS, PROVIDING SUCH POINT IS NOT MORE THAN 300 FEET FROM THE POINT ON WHICH THE DELETED MONUMENT WOULD HAVE BEEN PLACED.

CITY OF MURRIETA
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REVISIONS	STREET CENTERLINE MONUMENT	STD. NO.
5/92		617c
		SHEET 3 OF 3
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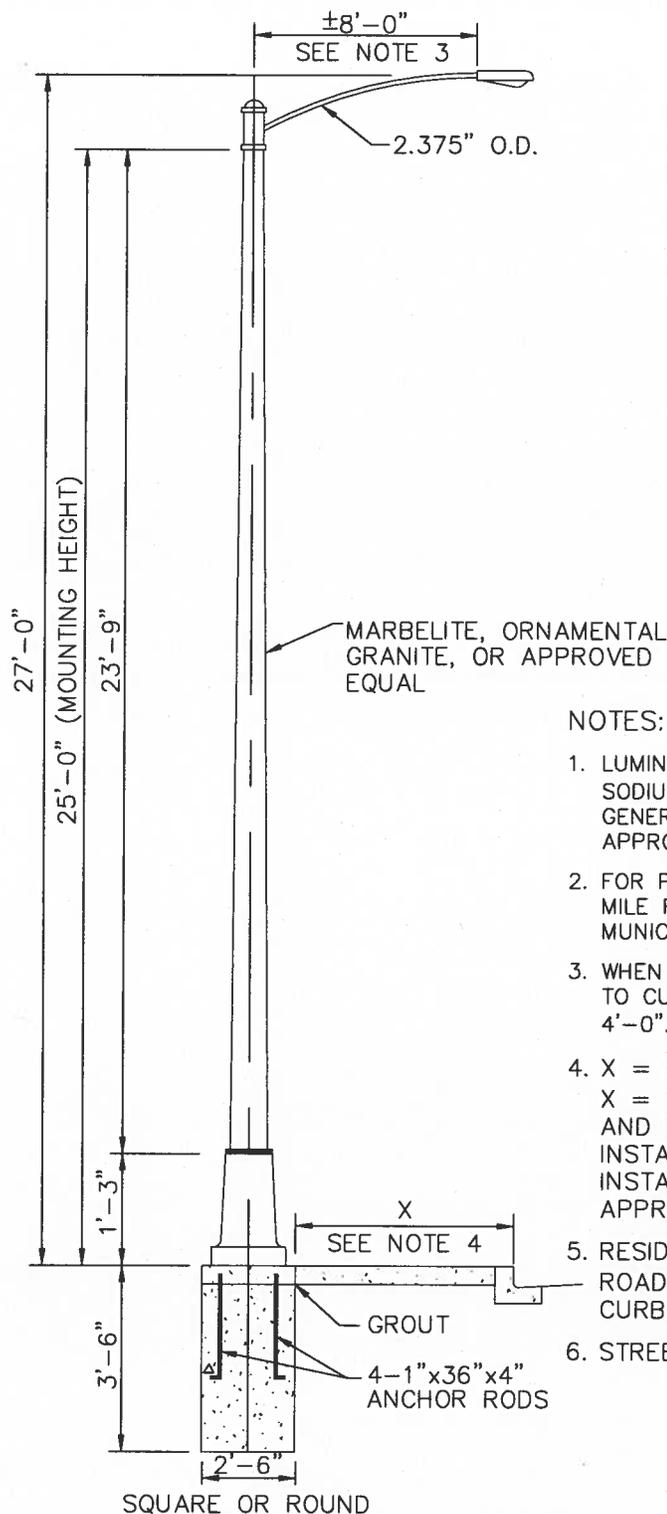
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TYPE "B" MONUMENT

STD. NO.

618



NOTES:

1. LUMINAIRE 8,000 LUMEN LOW PRESSURE SODIUM VAPOR (LPSV) TYPE TO BE SHOWN ON GENERAL LIGHTING PLAN SUBJECT TO APPROVAL OF CITY ENGINEER.
2. FOR PRIVATE LIGHTING RESTRICTIONS WITHIN 45 MILE RADIUS OF MT. PALOMAR, SEE MURRIETA MUNICIPAL CODE 16.18.110.
3. WHEN STREET LIGHT IS INSTALLED ADJACENT TO CURB, LIGHTING ARM LENGTH SHALL BE 4'-0".
4. X = 6'-0" STANDARD
X = 1'-6" FOR COMMERCIAL SIDEWALKS AND WHEN SIDEWALKS ARE NOT INSTALLED OR PROPOSED FOR FUTURE INSTALLATION, UNLESS OTHERWISE APPROVED BY CITY ENGINEER.
5. RESIDENTIAL LIGHTING APPLIES TO ROADWAYS WITH 44' OR LESS CURB TO CURB WIDTH.
6. STREET LIGHT SPACING PER 620A.

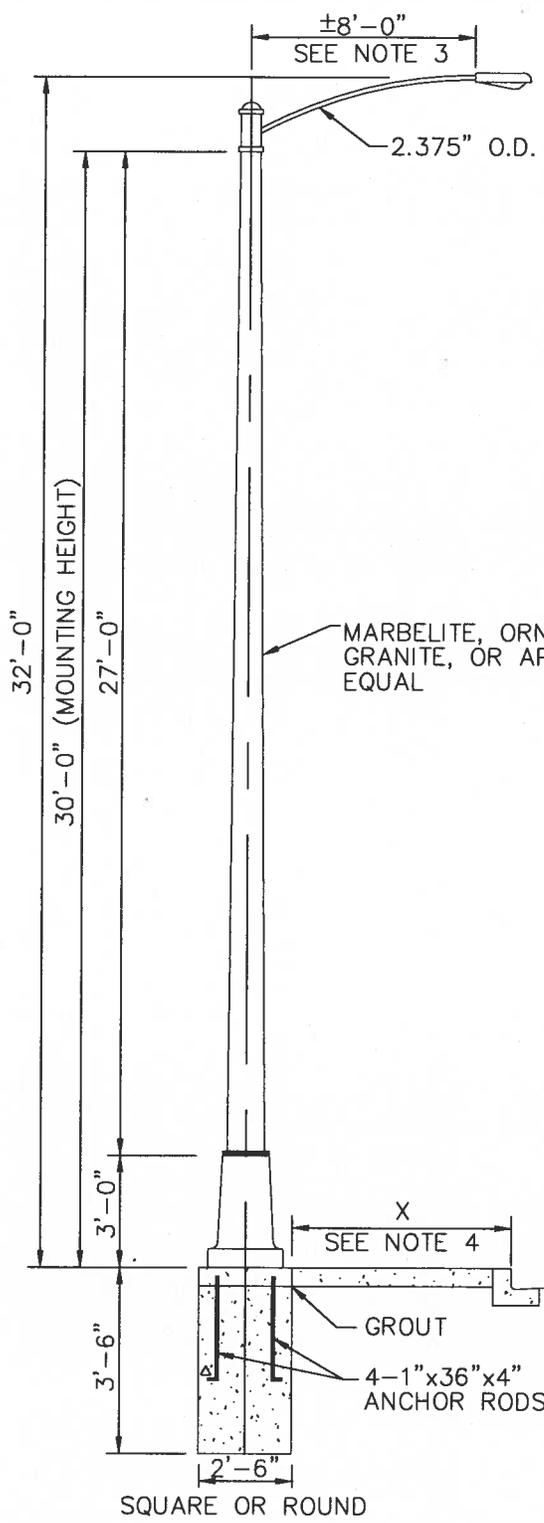
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APPROVED 1/14/10	

RESIDENTIAL LIGHTING

STD. NO.

619



NOTES:

1. LUMINAIRE 22,500 LUMEN LOW PRESSURE SODIUM VAPOR (LPSV) TYPE TO BE SHOWN ON GENERAL LIGHTING PLAN SUBJECT TO APPROVAL OF CITY ENGINEER.
2. FOR PRIVATE LIGHTING RESTRICTIONS WITHIN 45 MILE RADIUS OF MT. PALOMAR, SEE MURRIETA MUNICIPAL CODE 16.18.110.
3. WHEN STREET LIGHT IS INSTALLED ADJACENT TO CURB, LIGHTING ARM LENGTH SHALL BE 4'-0".
4. X = 6'-0" STANDARD
X = 1'-6" FOR COMMERCIAL SIDEWALKS AND WHEN SIDEWALKS ARE NOT INSTALLED OR PROPOSED FOR FUTURE INSTALLATION, UNLESS OTHERWISE APPROVED BY CITY ENGINEER.
5. RESIDENTIAL LIGHTING APPLIES TO ROADWAYS WITH GREATER THAN 44' CURB TO CURB WIDTH.
6. STREET LIGHT SPACING PER 620A.

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DEPARTMENT OF PUBLIC WORKS

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**ARTERIAL HIGHWAY
LIGHTING**

STD. NO.
620

STREET LIGHT SPACING CRITERIA

STREET CLASSIFICATION	RESIDENTIAL COMMERCIAL	INDUSTRIAL OPEN SPACE	ADJACENT TO SCHOOLS & PARKS
PRIME ARTERIAL & MAJOR ARTERIAL SECONDARY ARTERIAL	300' STAGGERED 600' MEAS. ON EA SIDE	400' STAGGERED 800' MEAS. ON EA SIDE	300' STAGGERED 600' MEAS. ON EA SIDE
COLLECTOR	250' STAGGERED 500' MEAS. ON EA SIDE	350' STAGGERED 700' MEAS. ON EA SIDE	200' STAGGERED 400' MEAS. ON EA SIDE
INDUSTRIAL	300' STAGGERED 600' MEAS. ON EA SIDE	400' STAGGERED 800' MEAS. ON EA SIDE	-----
LOCAL	AT ALL INTERSECTIONS 250' STAGGERED 500' MEAS. ON EA SIDE	AT ALL INTERSECTIONS AT MID-BLOCK	200' STAGGERED 400' MEAS. ON EA SIDE
CUL-DE-SAC	AT INTERSECTION AT FAR END OF BULB AT MID-BLOCK IF GREATER THAN 300' IN LENGTH	AT INTERSECTION AT FAR END OF BULB SEE INDUSTRIAL STREET IF APPLICABLE	200' STAGGERED 400' MEAS. ON EA SIDE
HISTORIC DOWNTOWN MURRIETA NOSTALGIC	100' SPACING, LADDER STYLE (NON-STAGGERED) OR AS OTHERWISE APPROVED BY CITY ENGINEER	100' SPACING, LADDER STYLE (NON-STAGGERED) OR AS OTHERWISE APPROVED BY CITY ENGINEER	100' SPACING, LADDER STYLE (NON-STAGGERED) OR AS OTHERWISE APPROVED BY CITY ENGINEER

CITY OF MURRIETA DEPARTMENT OF PUBLIC WORKS

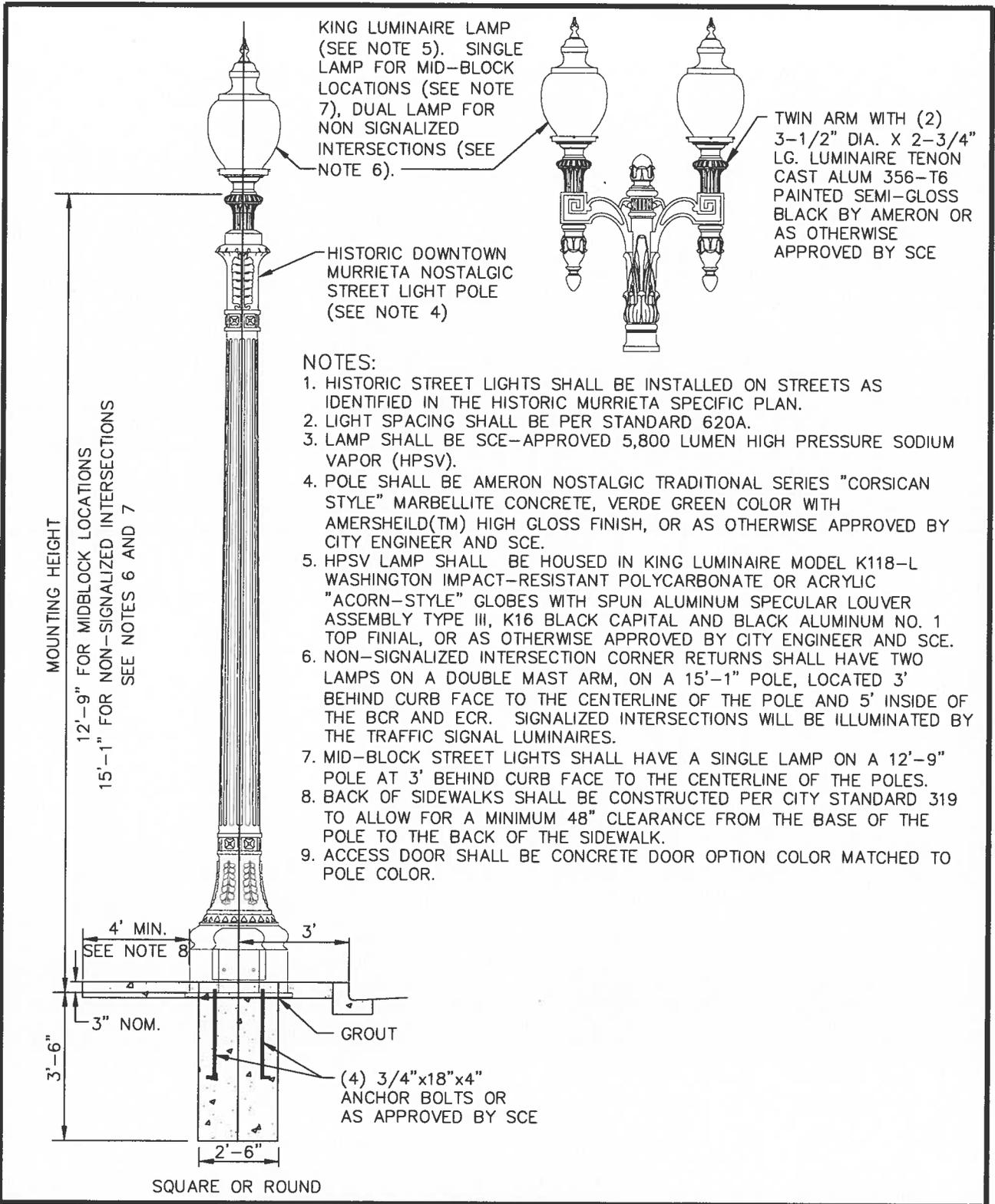
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STREET LIGHT SPACING

STD. NO.

620a

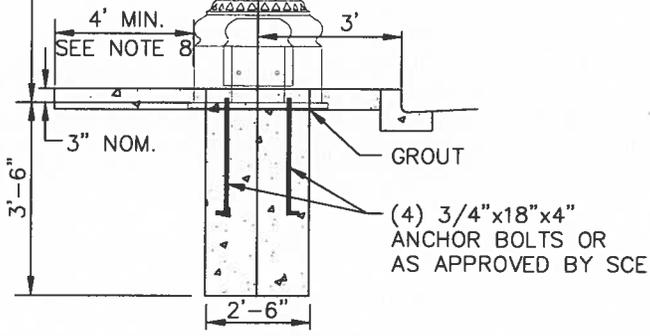
SHEET 1 OF 2



NOTES:

1. HISTORIC STREET LIGHTS SHALL BE INSTALLED ON STREETS AS IDENTIFIED IN THE HISTORIC MURRIETA SPECIFIC PLAN.
2. LIGHT SPACING SHALL BE PER STANDARD 620A.
3. LAMP SHALL BE SCE-APPROVED 5,800 LUMEN HIGH PRESSURE SODIUM VAPOR (HPSV).
4. POLE SHALL BE AMERON NOSTALGIC TRADITIONAL SERIES "CORSIKAN STYLE" MARBELLITE CONCRETE, VERDE GREEN COLOR WITH AMERSHEILD(TM) HIGH GLOSS FINISH, OR AS OTHERWISE APPROVED BY CITY ENGINEER AND SCE.
5. HPSV LAMP SHALL BE HOUSED IN KING LUMINAIRE MODEL K118-L WASHINGTON IMPACT-RESISTANT POLYCARBONATE OR ACRYLIC "ACORN-STYLE" GLOBES WITH SPUN ALUMINUM SPECULAR LOUVER ASSEMBLY TYPE III, K16 BLACK CAPITAL AND BLACK ALUMINUM NO. 1 TOP FINIAL, OR AS OTHERWISE APPROVED BY CITY ENGINEER AND SCE.
6. NON-SIGNALIZED INTERSECTION CORNER RETURNS SHALL HAVE TWO LAMPS ON A DOUBLE MAST ARM, ON A 15'-1" POLE, LOCATED 3' BEHIND CURB FACE TO THE CENTERLINE OF THE POLE AND 5' INSIDE OF THE BCR AND ECR. SIGNALIZED INTERSECTIONS WILL BE ILLUMINATED BY THE TRAFFIC SIGNAL LUMINAIRES.
7. MID-BLOCK STREET LIGHTS SHALL HAVE A SINGLE LAMP ON A 12'-9" POLE AT 3' BEHIND CURB FACE TO THE CENTERLINE OF THE POLES.
8. BACK OF SIDEWALKS SHALL BE CONSTRUCTED PER CITY STANDARD 319 TO ALLOW FOR A MINIMUM 48" CLEARANCE FROM THE BASE OF THE POLE TO THE BACK OF THE SIDEWALK.
9. ACCESS DOOR SHALL BE CONCRETE DOOR OPTION COLOR MATCHED TO POLE COLOR.

MOUNTING HEIGHT
 12'-9" FOR MIDBLOCK LOCATIONS
 15'-1" FOR NON-SIGNALIZED INTERSECTIONS
 SEE NOTES 6 AND 7



SQUARE OR ROUND

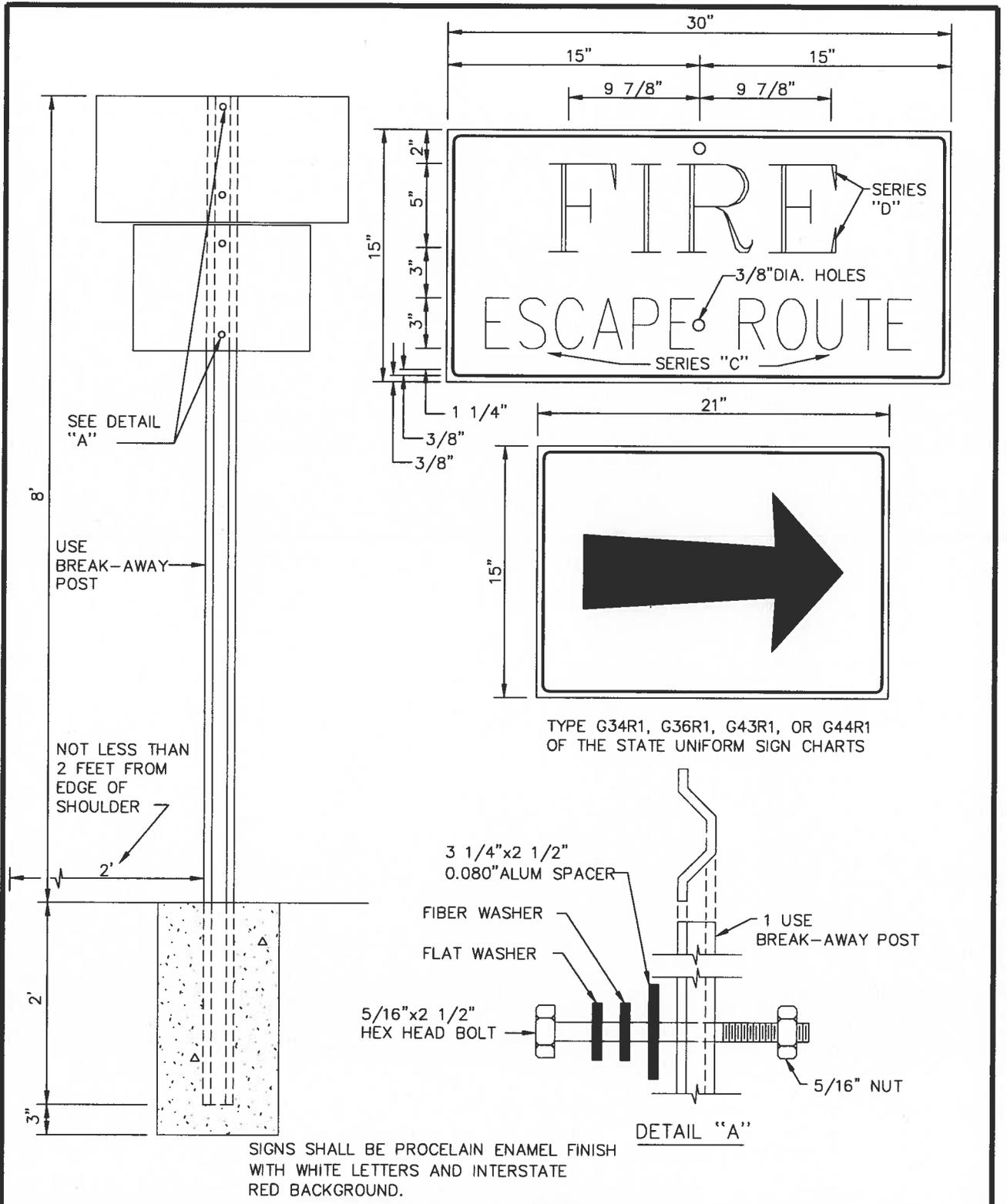
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HISTORIC DOWNTOWN MURRIETA
NOSTALGIC STREET LIGHTING

STD. NO.

620b

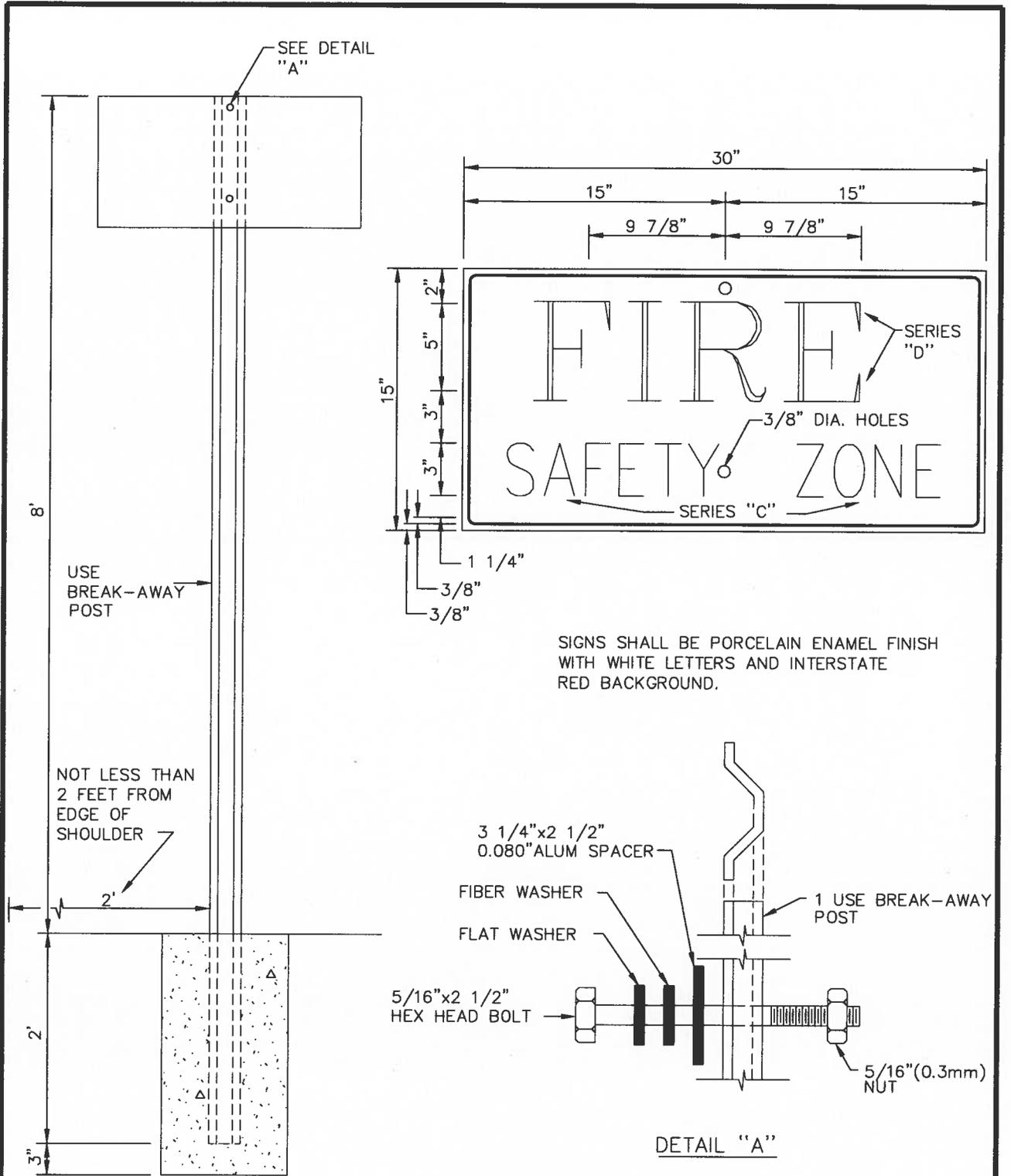


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FIRE ESCAPE ROUTE

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621



CITY OF MURRIETA
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FIRE SAFETY ZONE

STD. NO.

622