

City of Rohnert Park

Traffic Detail Drawings

TRAFFIC DETAIL DRAWINGS

Standard Number 700 Series	<u>Title</u>	Date Approved				
700 301103	Traffic Signs Lateral Offset Minimum in Urban Area	2014				
702	Reserved	2014				
703A	Street Name Signs – Mast-Arm Mounted	2014				
703B	Street Name Signs – Mast-Arm Mounted – Brace Detail	2014				
704A	Advance Street Name Signs	2014				
704B	Traffic Signs & Advance Street Name Signs: Mounting Details	2014				
704C	Traffic Signs & Advance Street Name Signs – Typical Installations	2014				
705A	Traffic Street Name Signs Design Specifications	2014				
705B	Street Name Sign	2014				
705C	Traffic Street Name Signs Signalized Intersections	2014				
705D	Traffic Street Name Signs Non-Signalized Intersections	2014				
706	Reserved	2014				
Pavement Mar	kings					
720A	Reserved	2014				
720B	Reserved	2014				
720C	Reserved	2014				
720D	Reserved	2014				
721	Traffic Markings Median Island Treatment	2014				
Traffic Signals						
730	Traffic Signals Pull Box Installation	2014				
731	Traffic Signals Service Wiring Diagram	2014				
732	Traffic Signals Detection	2014				
733A	Traffic Signals Underground Electric Service	2014				
Work Area Traffic Control						
740A	Left Lane Closure	2006				
740B	Middle Lane Closure	2006				
740C	Right Lane Closure	2006				
740D	Half-Roadway Closure	2006				
740E	Work Area in Center of Street	2006				
740F	Manhole Access in Center of Street	2006				
740G	Local Street Closure	2006				
740H	Work Area in Parking Lane or Shoulder	2006				
7401	Work Within Intersection	2006				
740J	Work Beyond Intersection – Left Lane Closed	2006				
740K	Work Beyond Intersection – Right Lane Closed	2006				
740L	Pedestrian Control	2006				
741	Delineation and Sign Placement	2006				
742	Project Sign	2014				

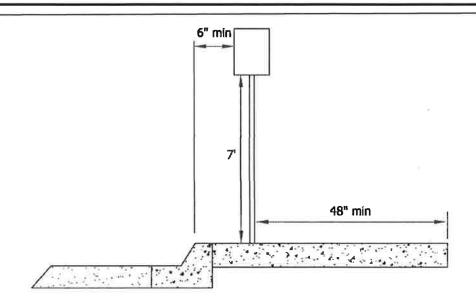
ENGINEER'S LIST OF APPROVED ITEMS

for use with Traffic Signal Design Standards

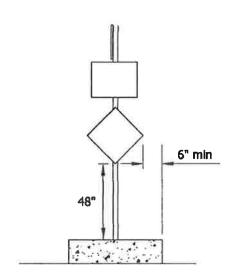
Approved

Date

- Traffic Signals C. Traffic Signal Controller, 170E or 2070E
 Products listed on the Caltrans Qualified Products List (QPL)
 http://www.dot.ca.gov/hq/traffops/elecsys/TEES.htm
- Traffic Signals D. Traffic Signal Controller Cabinet, Model 332L
 Products listed on the Caltrans Qualified Product List (QPL)
 http://www.dot.ca.gov/hq/traffops/elecsys/TEES.htm
- 3. Traffic Signals E. Traffic Signal Service Cabinet
 Tesco type III-BF service cabinet
- Traffic Signals J. Detection
 Econolite, Autsoscope Video Detector System,
 http://www.econolite.com/products/detection.aspx
 ITERIS, http://www.iteris.com/solutions/detection
 MS SEDCO, http://mssedco.com/intersector_sensor.htm
 Aldis, GridSmart, http://www.aldiscorp.com/gridsmart/ on certain applications with City Engineer approval.
- Emergency Vehicle Pre-emption EMTRAC Systems, http://emtracsystems.com/



In Urban Areas with Curb



In Medians

All other typical applications can be found in chapter 2A of the California MUTCD.

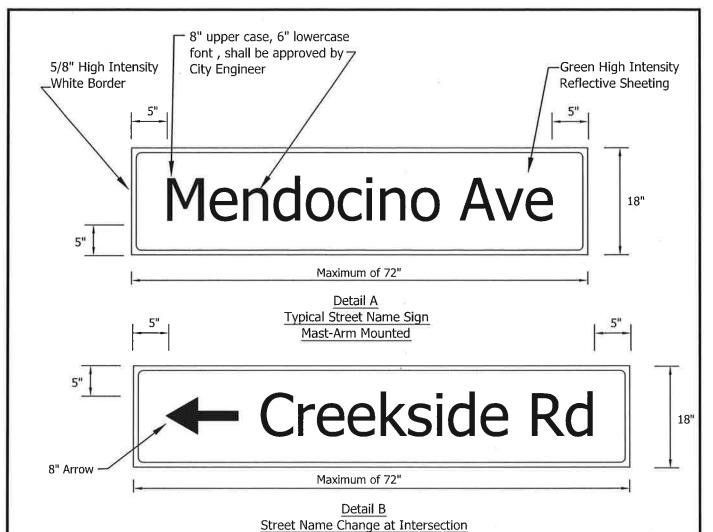
CITY OF ROHNERT PARK

TRAFFIC SIGNS LATERAL OFFSET MINIMUM IN URBAN AREA

SCALE: NONE [

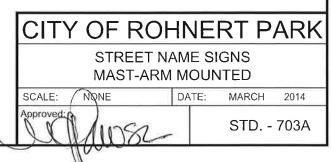
DATE: JANUARY 2014

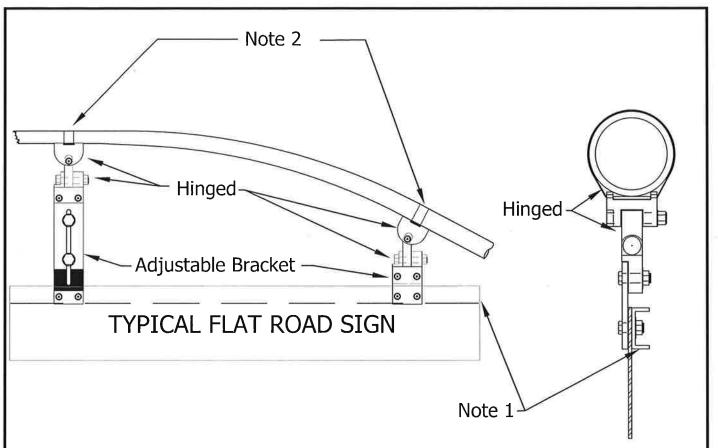
STD. - 701



Mast-Arm Mounted

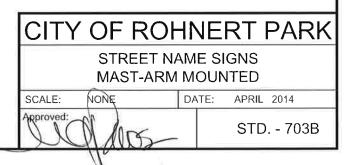
- 1. Blanks are 0.125" aluminum per Caltrans Specifications.
- 2. Font, dimensions and spacing of letters shall be per the latest edition of the FHWA Standard Alphabets for Traffic Control Devices.
- 3. All Overhead Street Name Signs shall be double sided, and shall be mounted at all signalized intersections where mast arms exist, One double-sided sign shall be installed on each mast-arm. When street names change at the intersection, the overhead street name signs shall be double sided, with one side acting as the "near-side" sign and the other side acting as the "far-side". The "far-side" sign shall display the name of the street to the right and shall have an arrow facing away from the street name and towards the right. The "near-side" sign shall display the name of the street to the left and shall have an arrow facing away from the street name and towards the left.

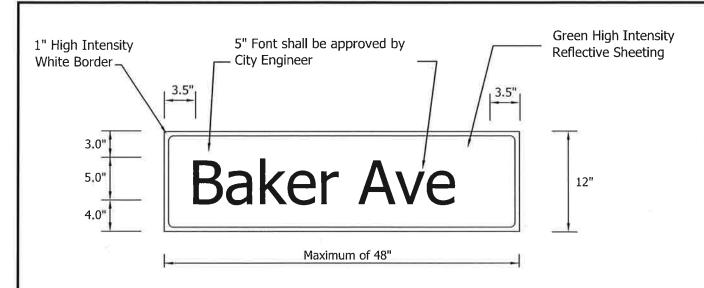




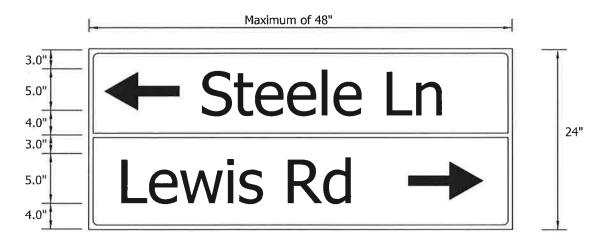
Notes:

- 1. All signs shall be reinforced by mounting on a 1"x2" aluminum 3/16" channel back brace.
- 2. a. Mounting bolts shall be 5/16"x1" stainless steel.b. Banding shall be 0.030" x 0.55" double wrap.
- 3. Location of sign mounting on mast arm shall be determined by the City Traffic Engineer during the plan check process.
- 4. Adjustable brackets shall be used as necessary to horizontally level the sign.



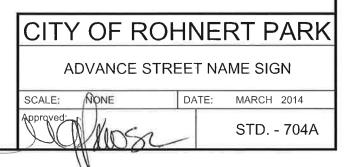


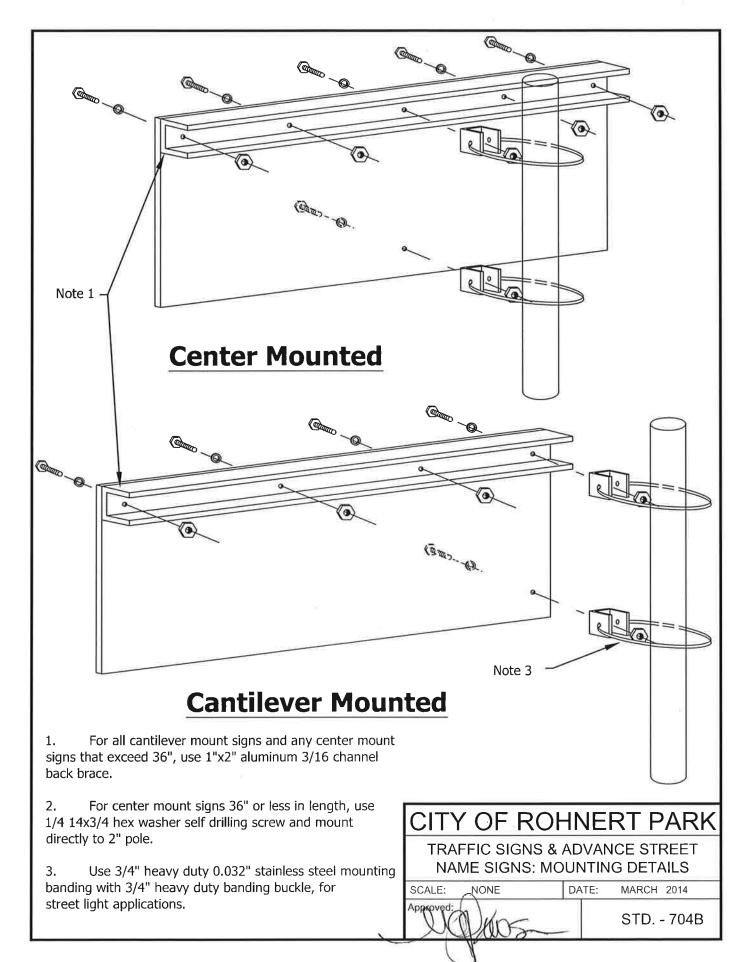
Detail A - Typical Advance Street Name Sign

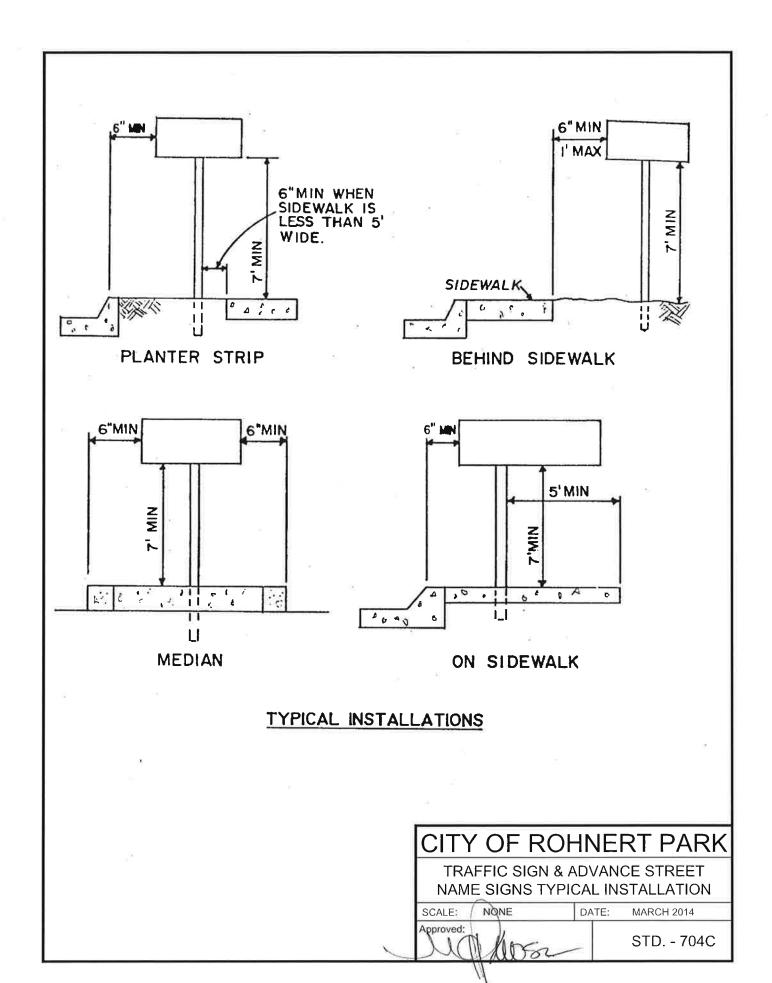


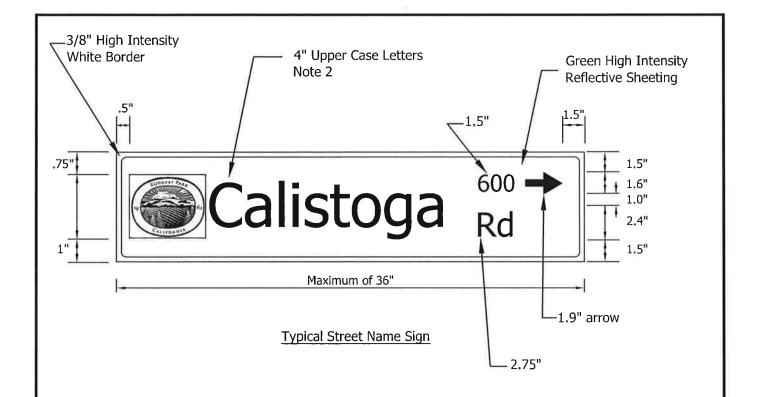
Detail B - Street Name Change

- 1. Blanks are 0.080" aluminum.
- 2. Font, dimensions and spacing of letters shall be per the latest edition of the FHWA Standard Alphabets for Traffic Control Devices. Any variation in font size shall be approved by City Engineer.
- 3. When street name changes from one side of the intersection to the other the sign design shall conform to Detail B Street Name Change.



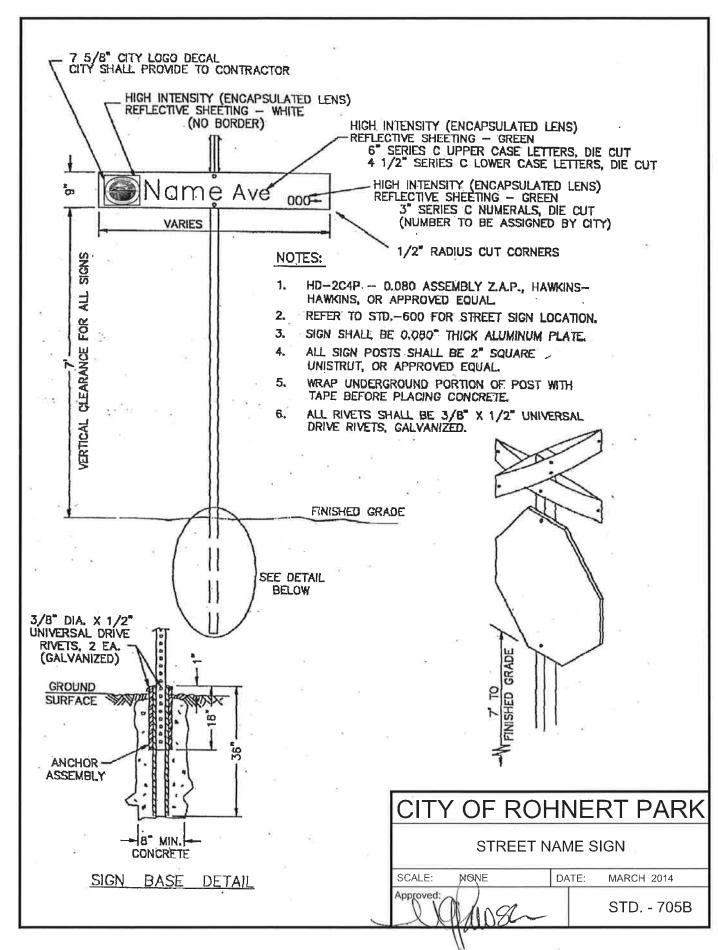


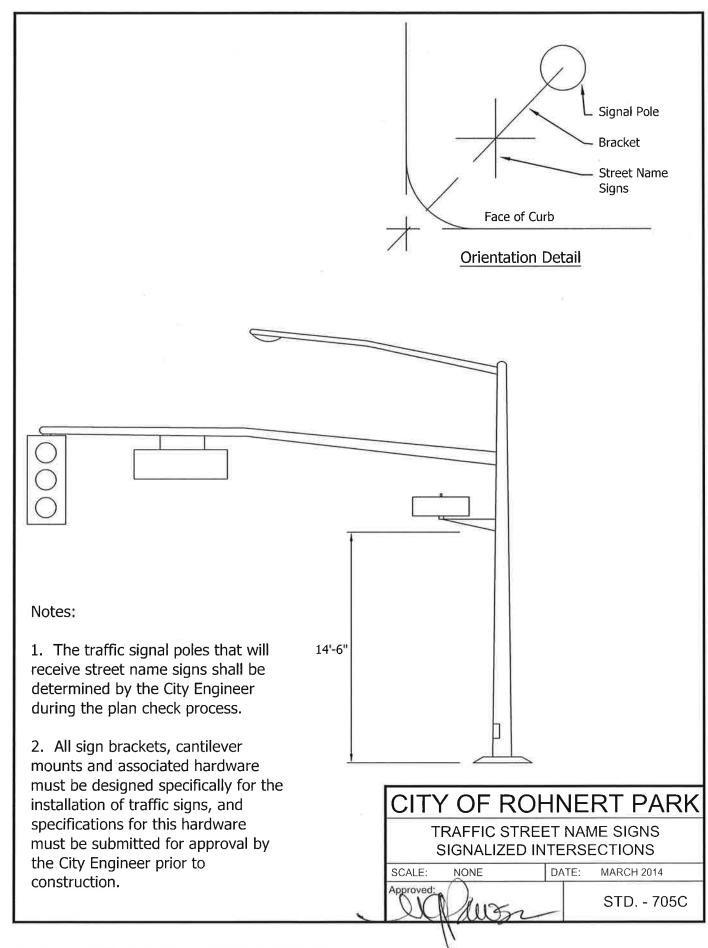


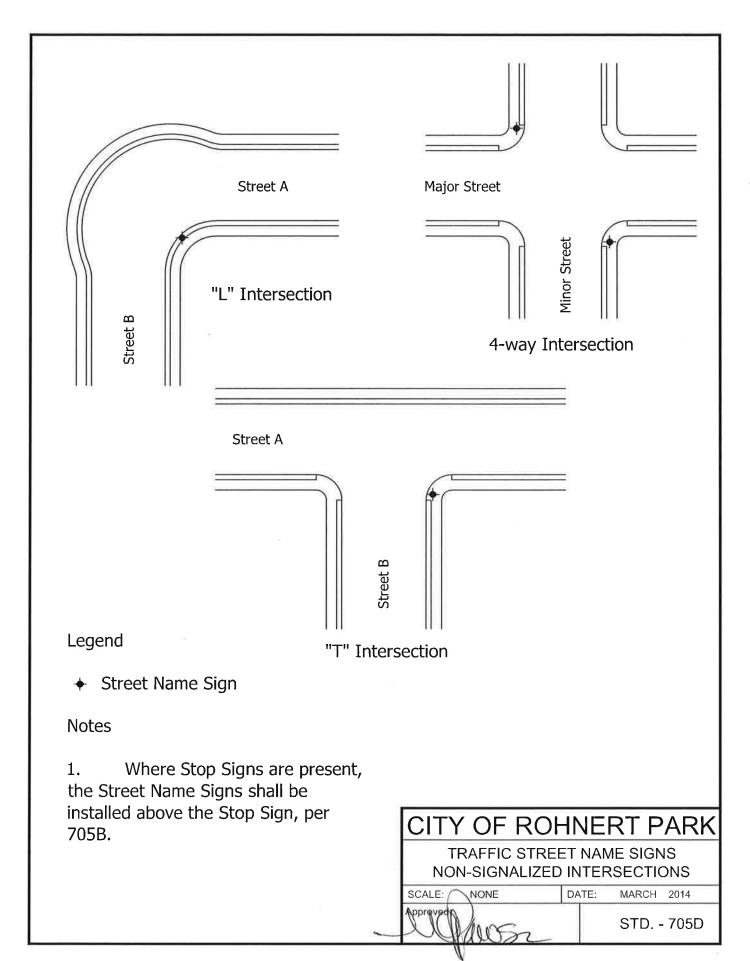


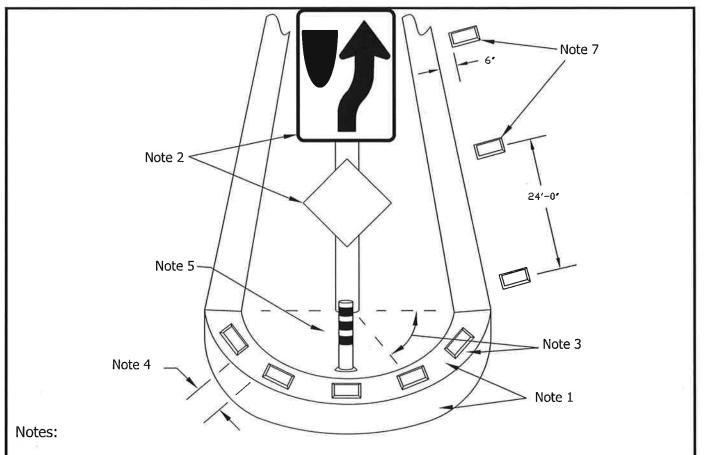
- 1. Blanks are 0.080" aluminum per latest Caltrans Specifications.
- 2. Font, dimensions and spacing of letters shall be per the latest edition of the FHWA Standard Alphabets for Traffic Control Devices.
- 3. Arrows shall point away from block number, indicating the ascending direction for addresses.
- 4. Signs are to be single sided and riveted together (see STD 705B).











- 1. The top and face of the curb at the island nose shall be painted white, with reflective glass beads.
- 2. When the width of a median island is 3 feet or greater and the island separates traffic of opposite directions, a R4-7 'Keep Right' symbol sign and Type 1 (OM1-3) object marker (per CA MUTCD figure 2C-13) shall be installed at the midpoint of the island nose defined by the radius.
- 3. Two-way reflective markers shall be installed on top of the curb at the island nose, along radial lines as illustrated in the drawing. The color of these markers shall be in conformance with California MUTCD section 3A, white markers shall be used if the island separates traffic of the same direction and yellow markers shall be used if the island separates traffic of opposite directions.
- 4. The minimum number of two-way reflective markers on the island nose, shall be five, with one at each beginning of curve and one at the mid point. The maximum distance between markers shall be 2 feet. Additional markers shall be installed to maintain this maximum allowable spacing. Additional markers shall be installed in such a way that the spacing between all markers is equal.
- 5. A Type Q marker per CA MUTCD fig. 2C-13 shall be installed at the midpoint of the island nose, surface mounted and just behind the island curb, as shown.

6. On median islands which separate traffic of the same direction, a W12-1 Double Arrow Sign shall be used in place of the R4-7.

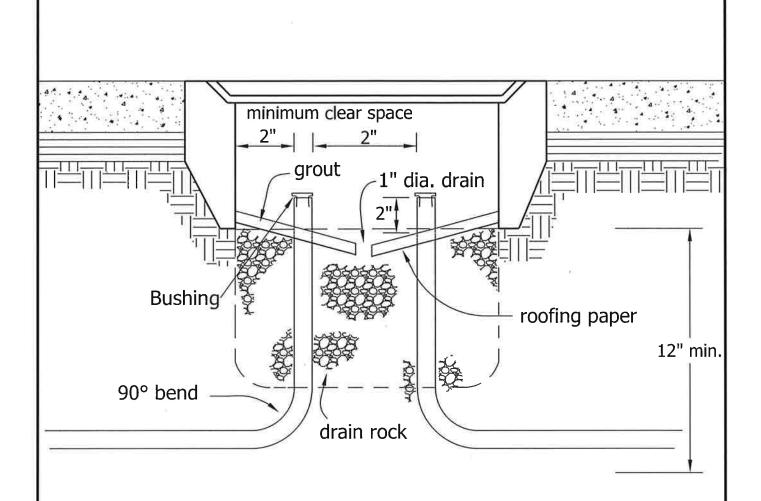
7. Left Edge Line raised pavement markers shall be placed 6" from the median's face of curb, and shall be spaced 24' on center as shown above.

CITY OF ROHNERT PARK TRAFFIC MARKINGS

MEDIAN ISLAND TREATMENT

SCALE: NONE DATE: MARCH 2014

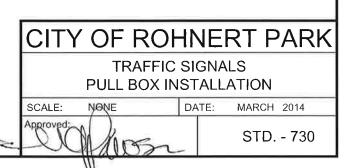
STD. - 721

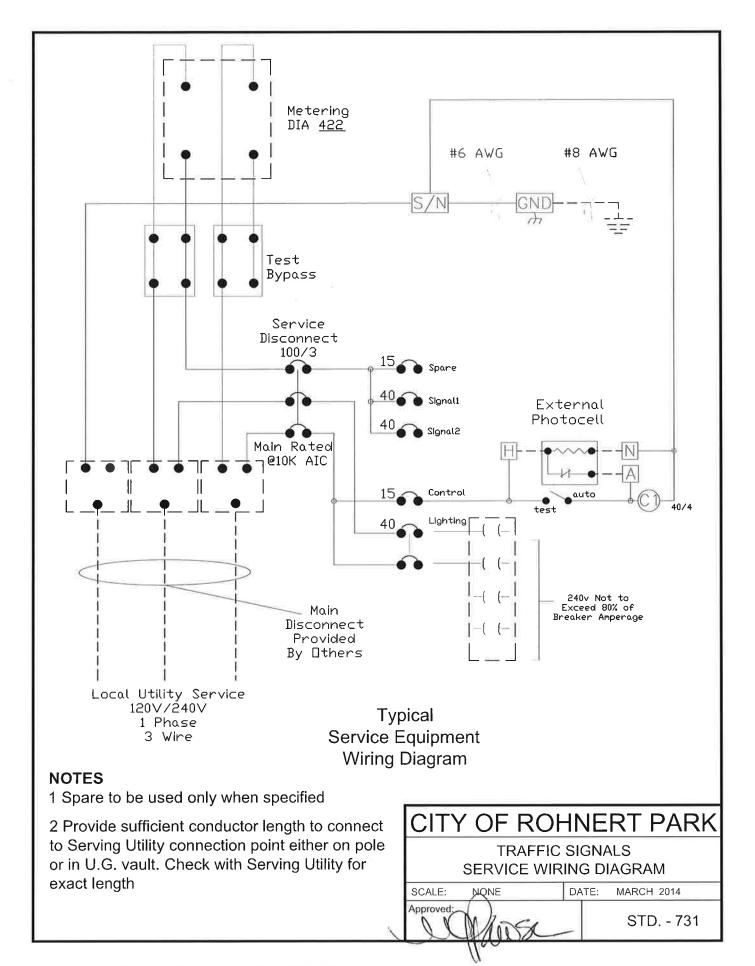


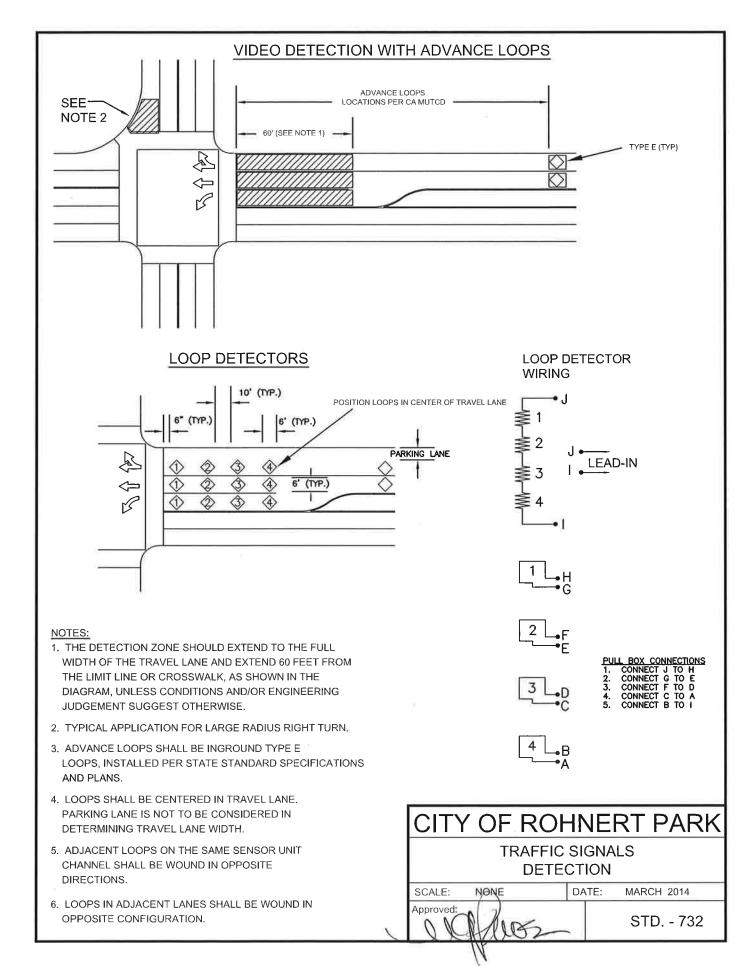
NO. 5 CONCRETE PULLBOX

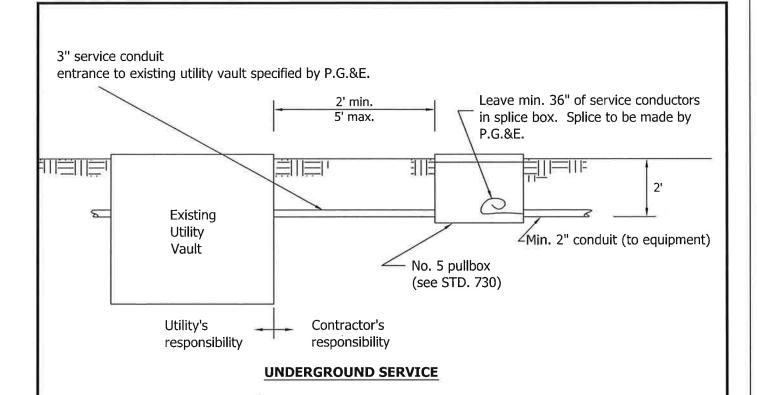
NOTES

1. This design is supplemental to the most current Caltrans plans and specifications.

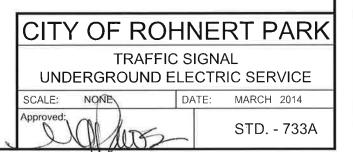


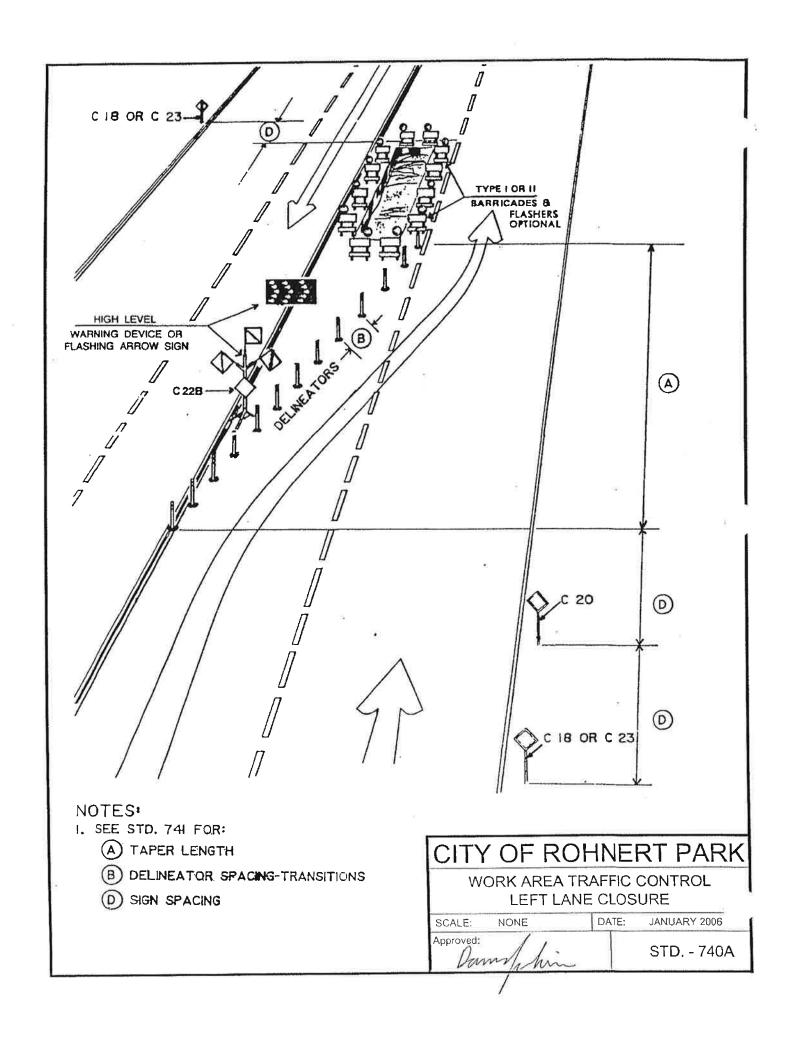


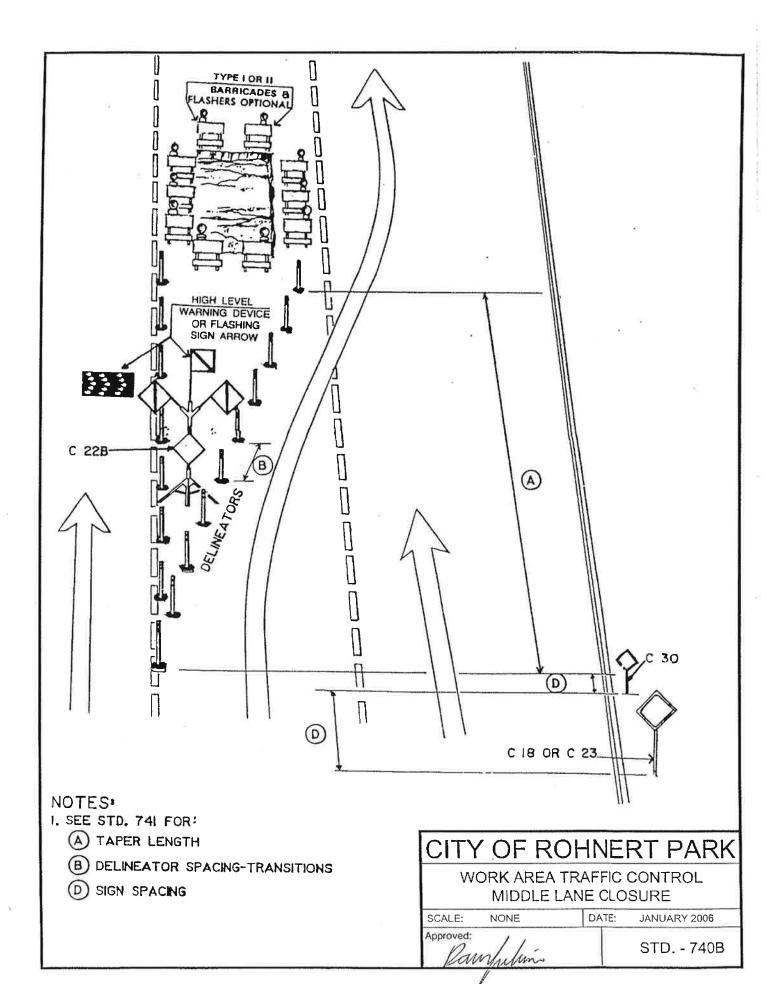


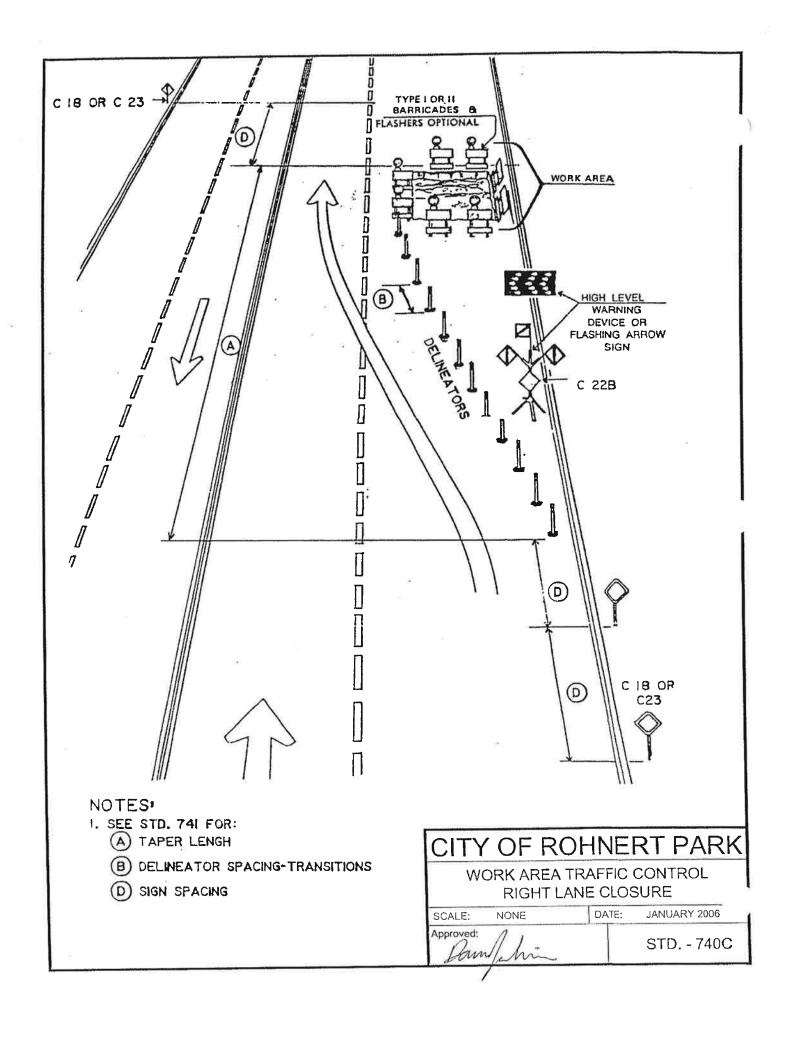


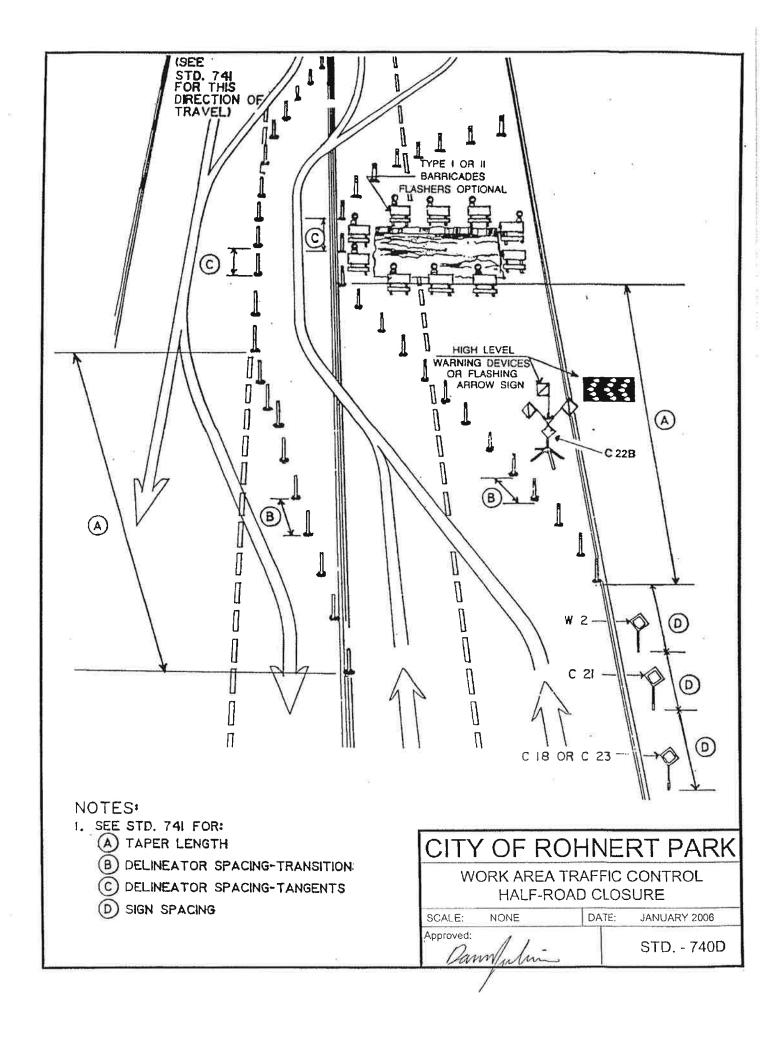
- 1. Contractor to install conduit into utility company vault with utility company representative in attendance.
- 2. Contractor to install #5 pull box, 3" service conduit (when nonexistent), and 2" conduit with conductors from equipment to pull box.

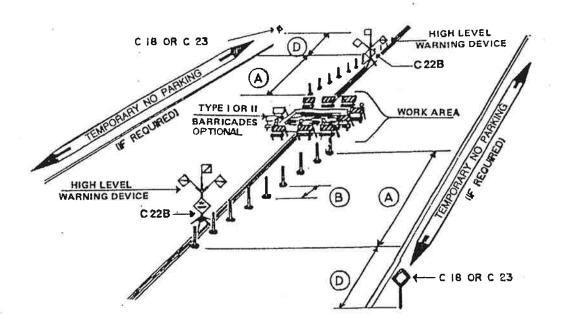










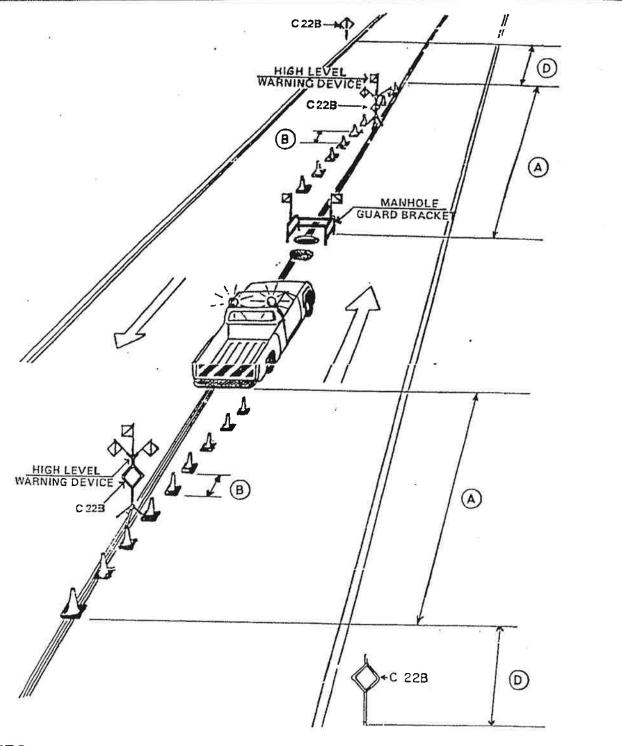


- I. SEE STD. 741 FOR:
 - (A) TAPER LENGTH
 - (B) DELINEATOR SPACING-TRANSITIONS
 - (D) SIGN SPACING

CITY OF ROHNERT PARK

WORK AREA TRAFFIC CONTROL WORK AREA CENTER OF STREET

SCALE: NONE DATE: JANUARY 2006
Approved: STD. - 740E



- 1. SEE STD. 741 FOR:
 - (A) TAPER LENGTH
 - (B) DELINEATOR SPACING-TRANSITIONS
 - (D) SIGN SPACING

CITY OF ROHNERT PARK

WORK AREA TRAFFIC CONTROL MANHOLE ACCESS IN CENTER OF STREET

SCALE:

NONE

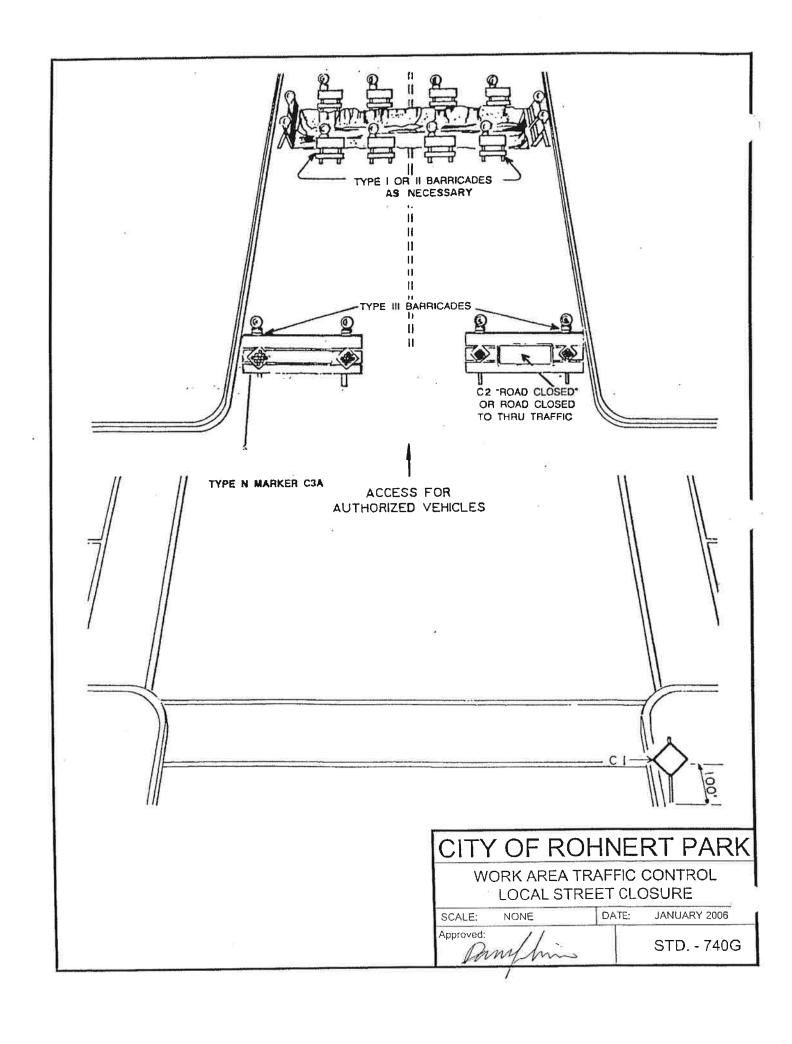
DATE:

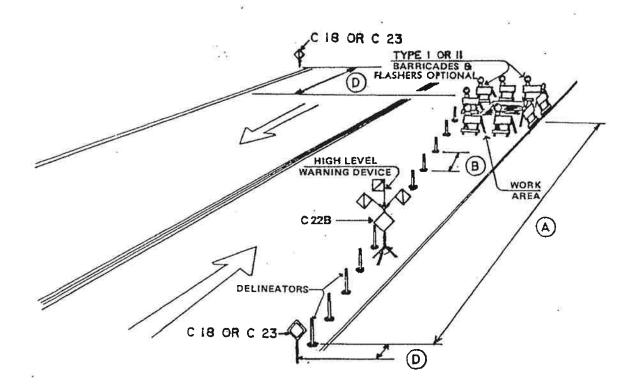
JANUARY 2006

Approved:

lamphin

STD. - 740F



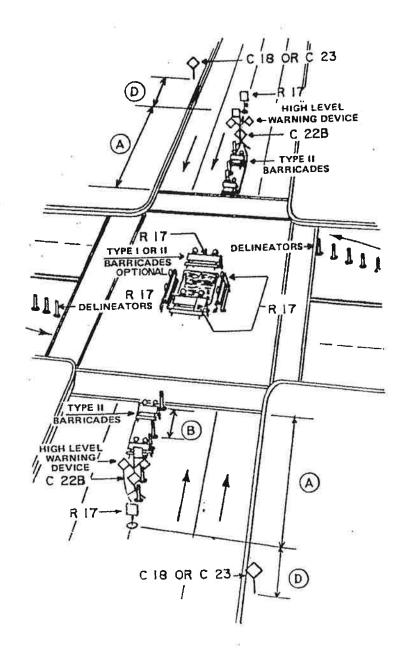


- 1. SEE STD. 741 FOR.
 - A TAPER LENGTH
 - B DELINEATOR SPACING-TRANSITION.
 - D SIGN SPACING

CITY OF ROHNERT PARK

WORK AREA TRAFFIC CONTROL
WORK IN PARKING LANE OR SHOULDER

SCALE: NONE DATE: JANUARY 2006
Approved: STD. - 740H

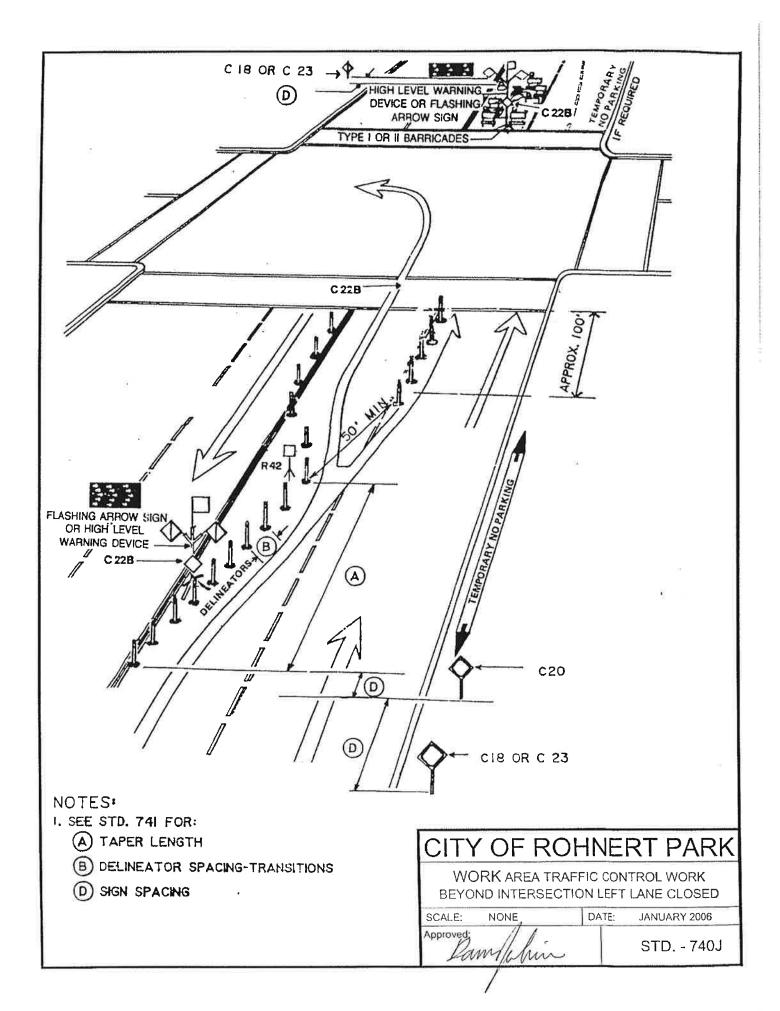


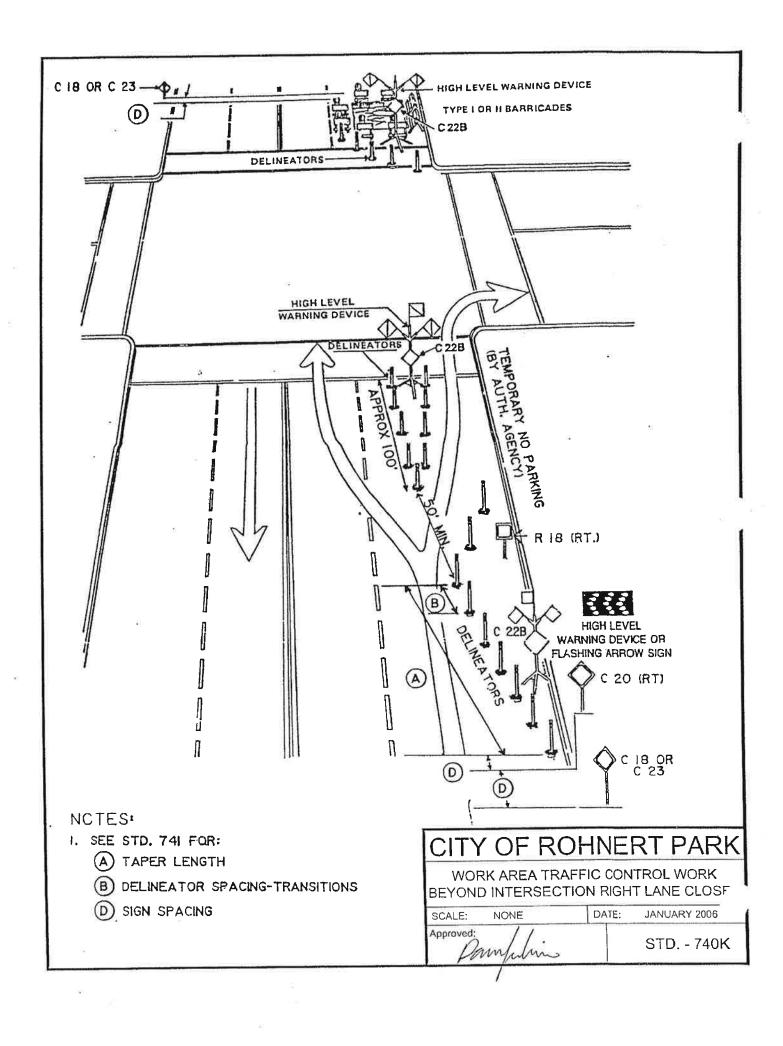
- 1. SEE STD. 741 FOR:
 - (A) TAPER LENGTH
 - (B) DELINEATOR SPACING-TRANSITIONS
 - D SIGN SPACING

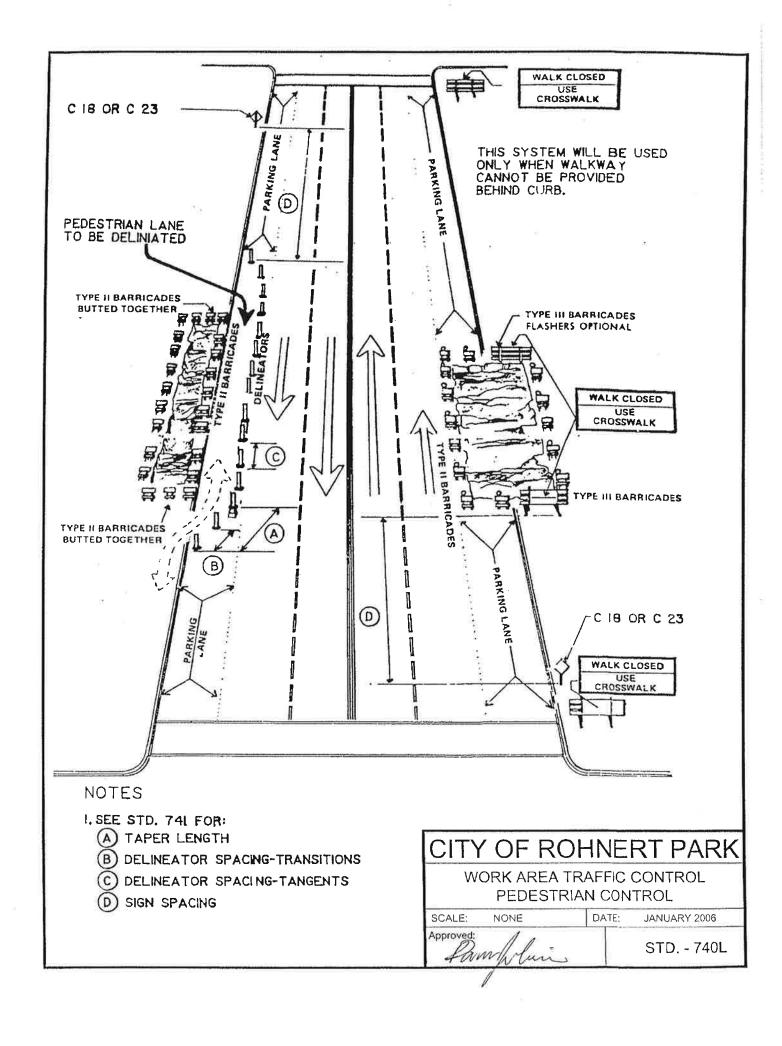
CITY OF ROHNERT PARK

WORK AREA TRAFFIC CONTROL WORK WITHIN INTERSECTION

SCALE: NONE DATE: JANUARY 2006
Approved: STD. - 7401







TRAFFIC	SPEED	TAPER LENGTH (EACH LANE)	DELINEATOF	R SPACING	SIGN SPACING (ADVANCE OF TAPER AND BETWEEN SIGNS)
		A	В	©	(D)
			(TRANSITION)	(TAPER)	
25	MPH	150 FŢ	25 FT	50 FT	150 FT
30	MPH	200 FT	30 FT	60 FT	200 FT
35	MPH	250 FT	35 FT	70 FT	250 FT
40	MPH	350 FT	40 FT	BO FT	350 FT
45	MPH	550 FT	45 FT	90 FT	550 FT
50	MPH	600 FT	50 FT	100 FT	600 FT
55	MPH	700 FT	50 FT	100 FT	700 FT

MINIMUM DELINEATOR AND SIGN SPACING

CITY OF ROHNERT PARK

WORK AREA TRAFFIC CONTROL DELINEATION AND SIGN PLACEMENT

SCALE: NONE DATE: JANUARY 2006
Approved: STD. - 741

