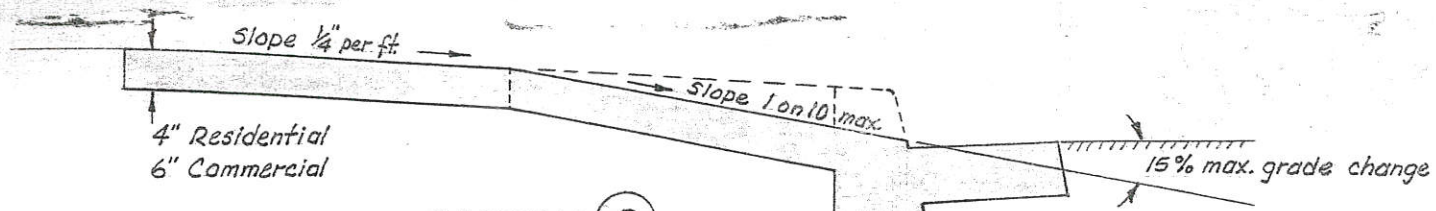


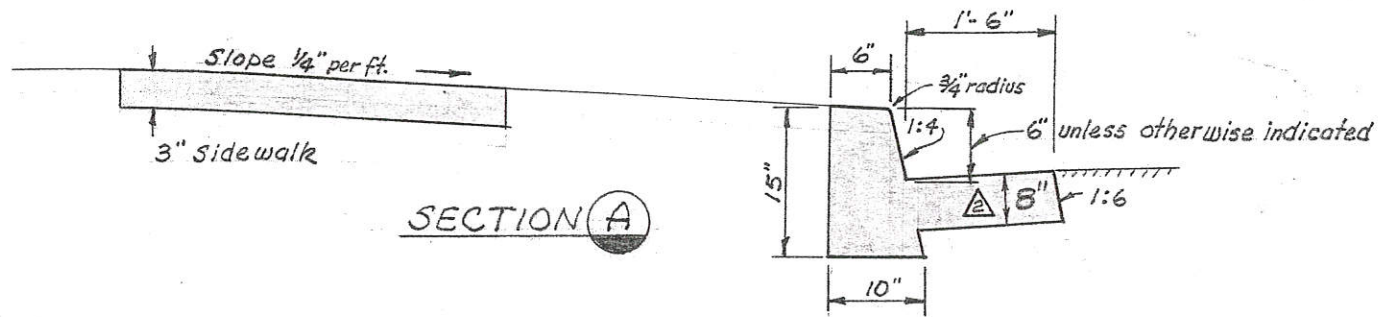
**ATTACHMENT “D”**

**APPLICABLE CITY OF ALAMEDA  
STANDARD PLANS AND DETAILS**

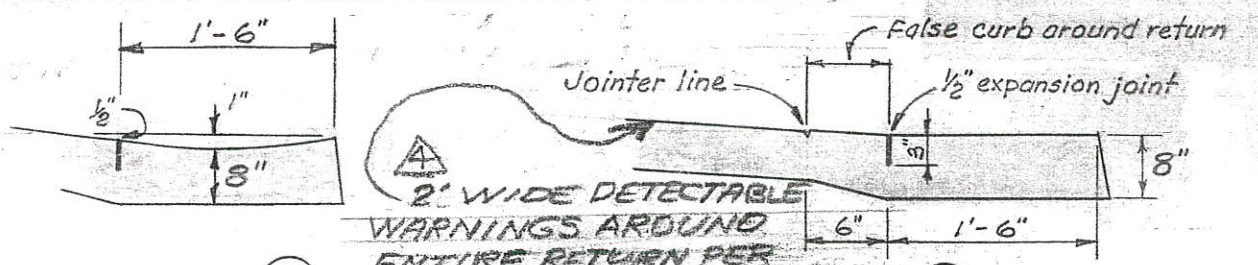




SECTION B  
(AT DRIVEWAY)



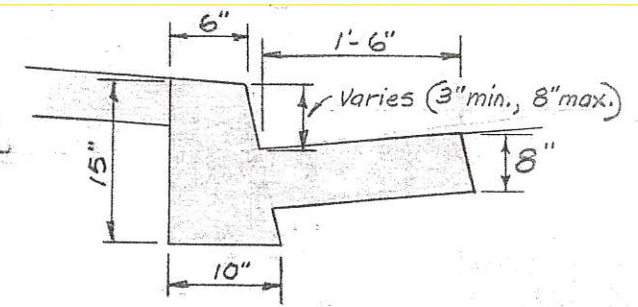
SECTION A



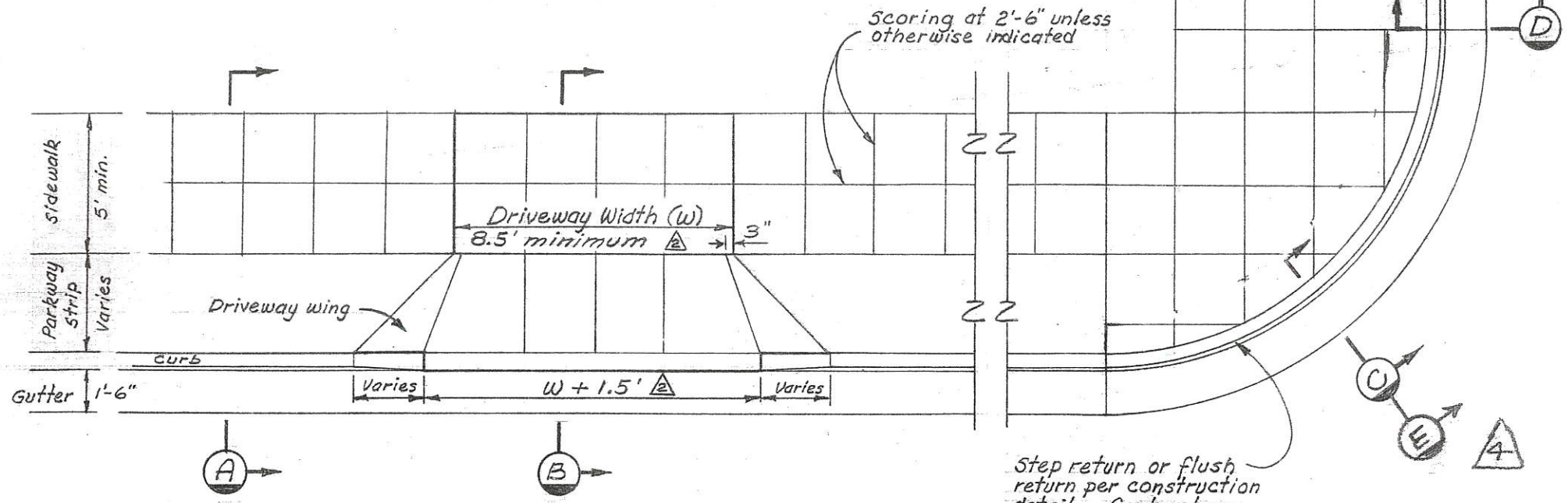
SECTION D  
AT FLUSH RETURN

SECTION C  
AT FLUSH RETURN

SECTION E AT STEP RETURNS - REFER TO CALTRANS STD PLAN ABB A & B FOR HC LOCATIONS & DETAILS AND STREET CROSS SLOPE.



SECTIONS D & E  
AT STEP RETURN



NOTES:

Required mix design is 5 sack, 3/4 inch aggregate, 2500 psi with 1/2 lb. lamp black per cu. yd.

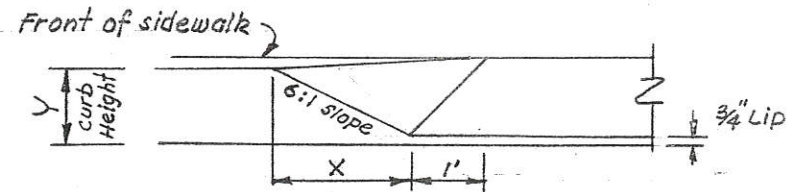
CURB AND GUTTER

1/2 inch expansion joints at 15'.  
Jointer line at 5'.  
Finish as specified.  
Transition to existing wider gutter shall be 5' long.

SIDEWALK AND DRIVEWAY

1/2 inch expansion joints at 15'.  
Finish as specified.

See dwg. 6270-22 where driveway slopes exceed limits shown.



FRONT VIEW AT DRIVEWAY WING

Y	4"	5"	6"	8"
X	19 1/2"	25 1/2"	31 1/2"	43 1/2"

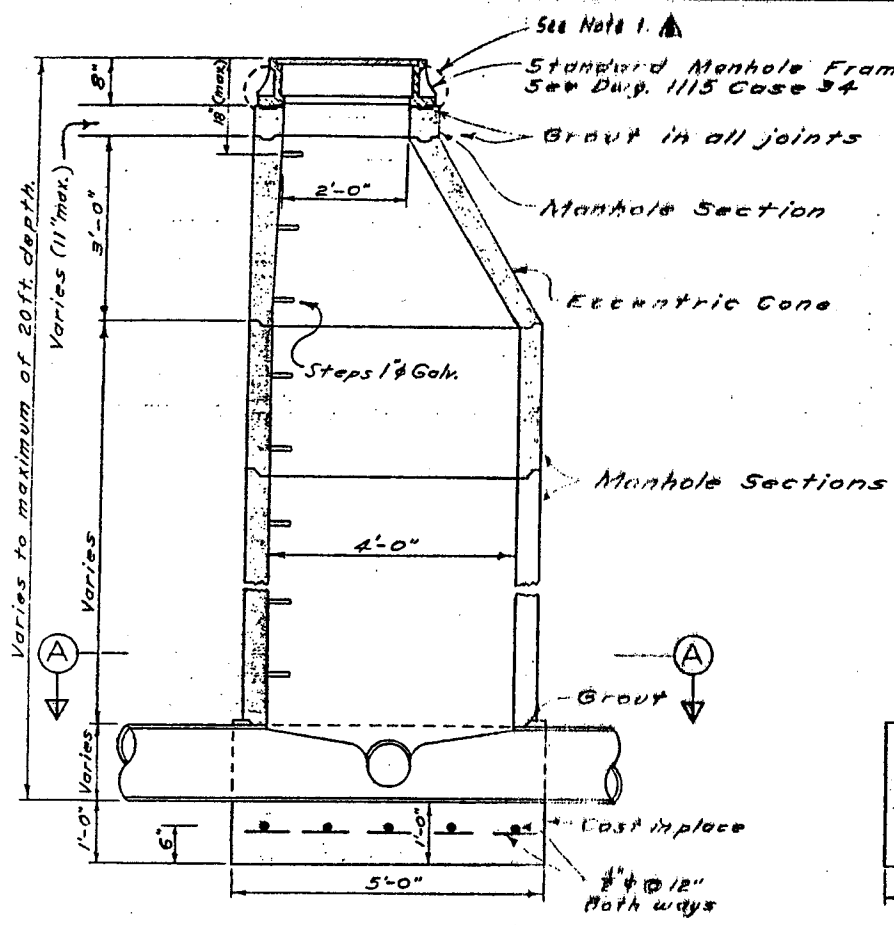
DRIVEWAY WING LENGTHS FOR VARIOUS CURB HEIGHTS

NO.	REVISED	BY	APP.
1	FEB 2010	ES	
2	April 1998	JF	
3	Jan. 1974	Terry	MH
4	Jan. 1972	Terry	MH
COMPILED LONG & WONG			
DRAWN H. J. WONG			
CHECKED J. PAU			
DATE		SCALE	
OCT. 1968		NONE	

CITY OF ALAMEDA  
CALIFORNIA  
ENGINEERING DEPARTMENT  
STANDARD PLAN  
CURB GUTTER  
SIDEWALK AND  
DRIVEWAY

SHEET 1 OF 1	
APPROVED BY	
<i>M. J. Hanna</i> CITY ENGINEER	
REG. C. E. NO. 7061	
DATE 10-28-68	
DWG.	CASE
6297	24





**SECTION C**  
Scale  $\frac{1}{2}'' = 1'-0''$

See Note 1.  $\Delta$   
Standard Manhole Frame & Cover.  
See Dwg. 1115 Case 34

Grout in all joints

Manhole Section

Eccentric Cone

Steps 1" Galv.

Manhole Sections

Grout

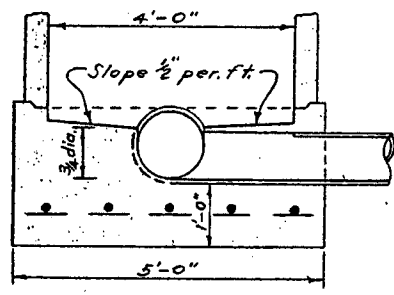
Cast in place

$\frac{1}{2}'' \times 12''$   
Both ways

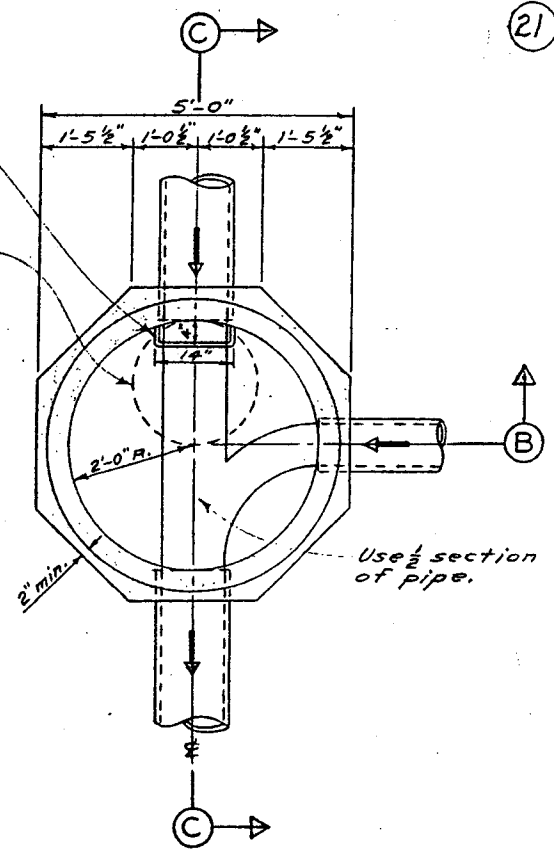
$\Delta$  Steps 1" galv. located on the upstream side of main line, unless otherwise specified by the Engineer.

Location of frame opening

$\Delta$  NOTE:  
When main is 18" in diameter or larger, eccentric cone & steps shall be set 90° from direction of flow.



**SECTION B**  
Scale  $\frac{1}{2}'' = 1'-0''$



**SECTION A**  
Scale  $\frac{1}{2}'' = 1'-0''$

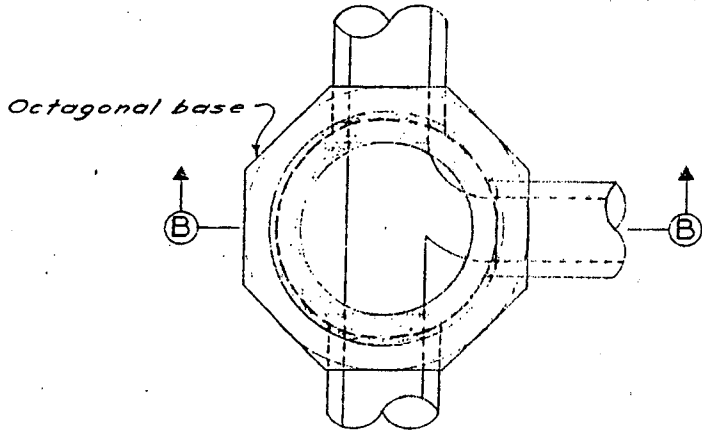
- NOTES**
1. A ring of mortar approximately 6" deep & extending past the outer edge of the ring shall be placed all around & on top of the bottom flange. The mortar shall be smoothly finished & have a slight slope to shed water away from the frame. (This condition applies in nonpavement areas only. A standard street patch shall be used in paved areas.)
  2. Steps shall be installed equally spaced at 16" center minimum.
  3. External bands shall be applied.
  4. All joints shall be watertight.
  5. Use Type "A" Manhole for depth of cover on main sewer pipe over 36". See Dwg. 5432-34 for shallower depths.

$\Delta$	Jan. 1972	Terry	MH
$\Delta$	Feb. 1970	Terry	MH
$\Delta$	Feb. 1967	Vorzel	TDE
$\Delta$	May 1973	Railly	MH
NO.	REVISED	BY	APP.
COMPILED P.H. Long			
DRAWN W. Terry			
CHECKED P.H. Long			
DATE	SCALE		
Jan. 1964	$\frac{1}{2}'' = 1'-0''$		

**CITY OF ALAMEDA**  
CALIFORNIA  
ENGINEERING DEPARTMENT

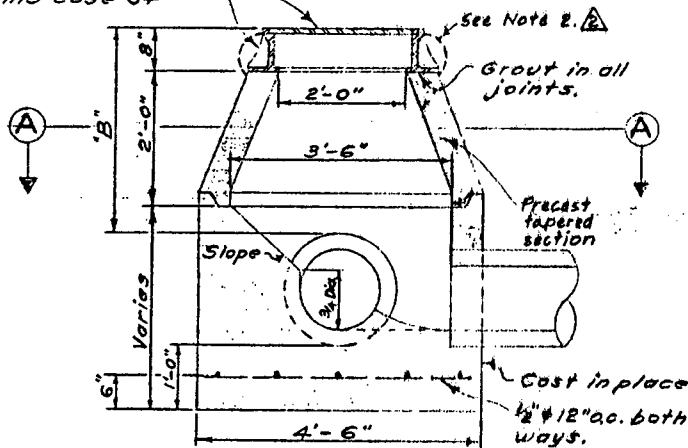
**STANDARD PRE-CAST**  
**CONCRETE MANHOLE**  
**TYPE "A"**

SHEET 1 OF 1	
APPROVED BY	
<i>M. J. Hanna</i> CITY ENGINEER	
REG. C. E. NO. 7061	
DATE	CASE
1-16-64	2815 34



SECTION A-A

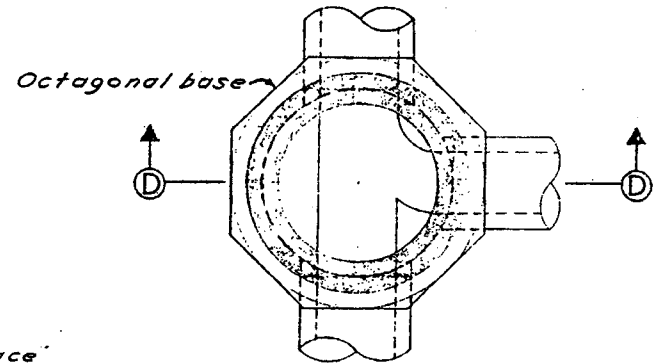
Sta. M.H. Frame & Cover  
See Dwg. 1115 Case 34



SECTION B-B

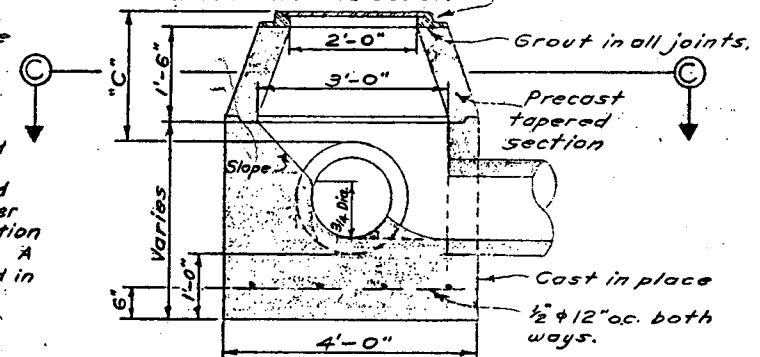
**STANDARD MANHOLE  
TYPE B**

This M.H. shall be used for values of "B" from 2'-6" to 3'-5"



SECTION C-C

Use a 3" frame (See Dwg. 4857 Case 1A) only when cover does not allow a std. 8" M.H. Frame and Cover.



SECTION D-D

**STANDARD MANHOLE  
TYPE C**

This M.H. shall be used for values of "C" less than 2'-6"

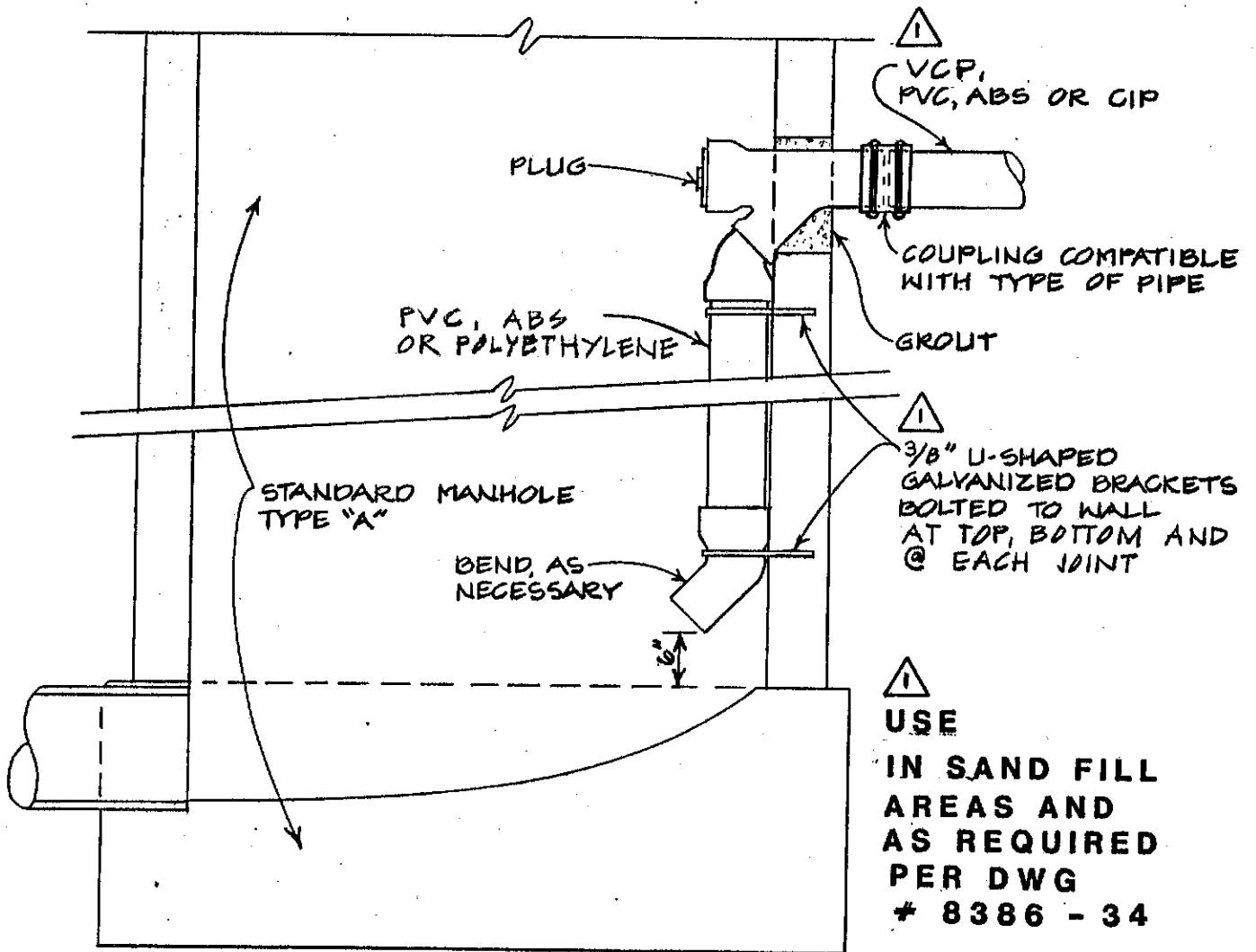
- Notes:**
1. Values "B" and "C" are depths from ground surface to top of main sewer pipe. Sewer laterals with cover less than that of main sewer may require the chipping out of a portion of the tapered section of the manhole to accommodate the pipe.
  2. A ring of mortar approximately 1/2" deep and extending past the outer edge of the ring shall be placed all around and on top of the bottom flange. The mortar shall be smoothly finished and have a slight slope to shed water away from the frame. (This condition applies in nonpavement areas only. A standard street patch shall be used in paved areas.)

NO.	REVISED	BY	APP.
▲	Feb. 1987	JK	TDE
▲	Sep. 1971	ACR	
COMPILED P.H. Long			
DRAWN W. Terry			
CHECKED P.H. Long			
DATE		SCALE	
Nov. 1963		1/2" = 1'-0"	

CITY OF ALAMEDA  
CALIFORNIA  
ENGINEERING DEPARTMENT


**STANDARD MANHOLES  
TYPES "B" AND "C"  
SHALLOW DEPTH**

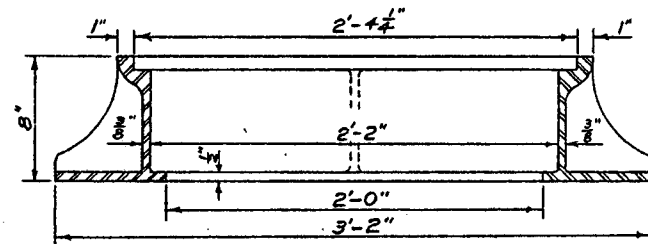
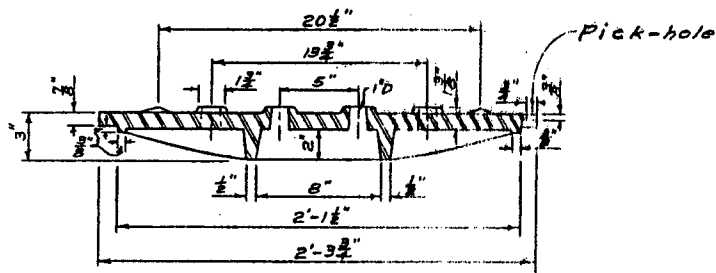
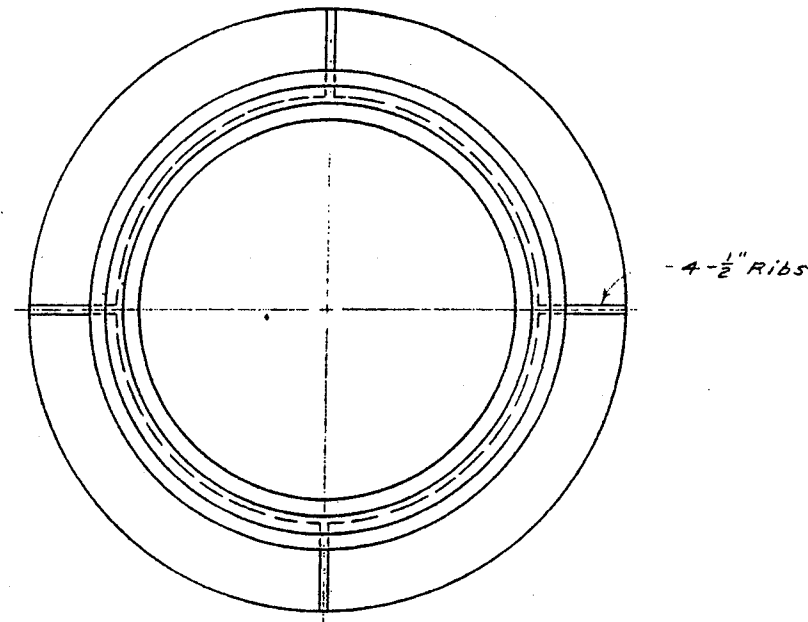
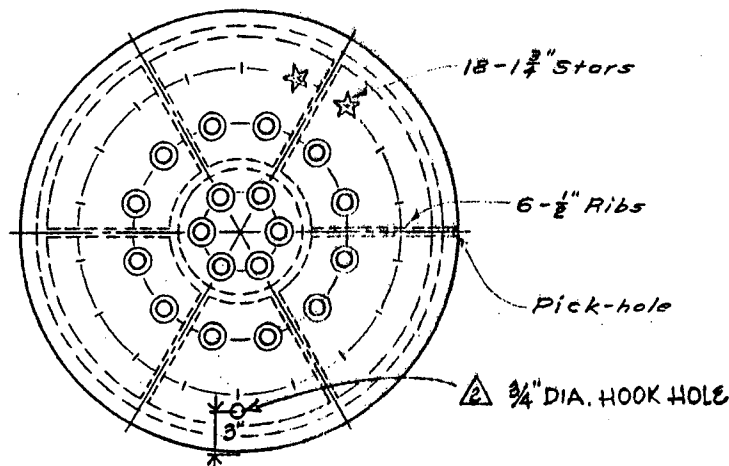
SHEET 1 OF 1	
APPROVED BY	
<i>M. Hanna</i>	
CITY ENGINEER	
REG. C. E. NO. 7061	
DATE 12-4-63	
DWG.	CASE
5432	34



**NOTE:**

PLASTIC JOINTS SHALL BE SOLVENT WELDED & CONFORM TO ASTM D2080 (ABS JOINTS) OR ASTM D3915 (PVC JOINTS).

⚠	AREAS/ MATERIALS	EG	ASG	NO.	REVISED	BY	APVD.	<b>CITY OF ALAMEDA</b> CALIFORNIA ENGINEERING DEPARTMENT		APPROVED BY  CITY ENGINEER REG. C. E. NO. 16071	
DESIGNED _____ DRAWN <b>KERPEL</b> CHECKED <b>SANDERSON</b>								<b>INSIDE DROP MANHOLE</b> <b>DETAIL</b>		DATE <b>2-26-87</b>	
DATE <b>FEB. 1987</b>				SCALE <b>NONE</b>				SHEET <b>1</b> OF <b>1</b>		DWG. <b>8214</b>	CASE <b>32</b>
⚠ For Pipes 4 to 12 Inches in Diameter											



COVER

BODY CASTING

NOTE:

1. For sidewalks use solid, flat top covers with concentric circle design as shown on Dwg. 4857 Case 14.
2. Cover and frame shall be machined to fit accurately so that cover shall not rock or rattle under the wheels of traffic.
3. SOLID COVER WITHOUT HOLES (EXCEPT FOR PICK/HOOK HOLES) FOR SANITARY SYSTEM. FOR STORM SYSTEM, SOLID COVER OPTIONAL.
4. AFTER ALL HORIZONTAL BEARING SURFACES HAVE BEEN MACHINED, CASTINGS SHALL BE DIPPED IN ASPHALT PAINT.

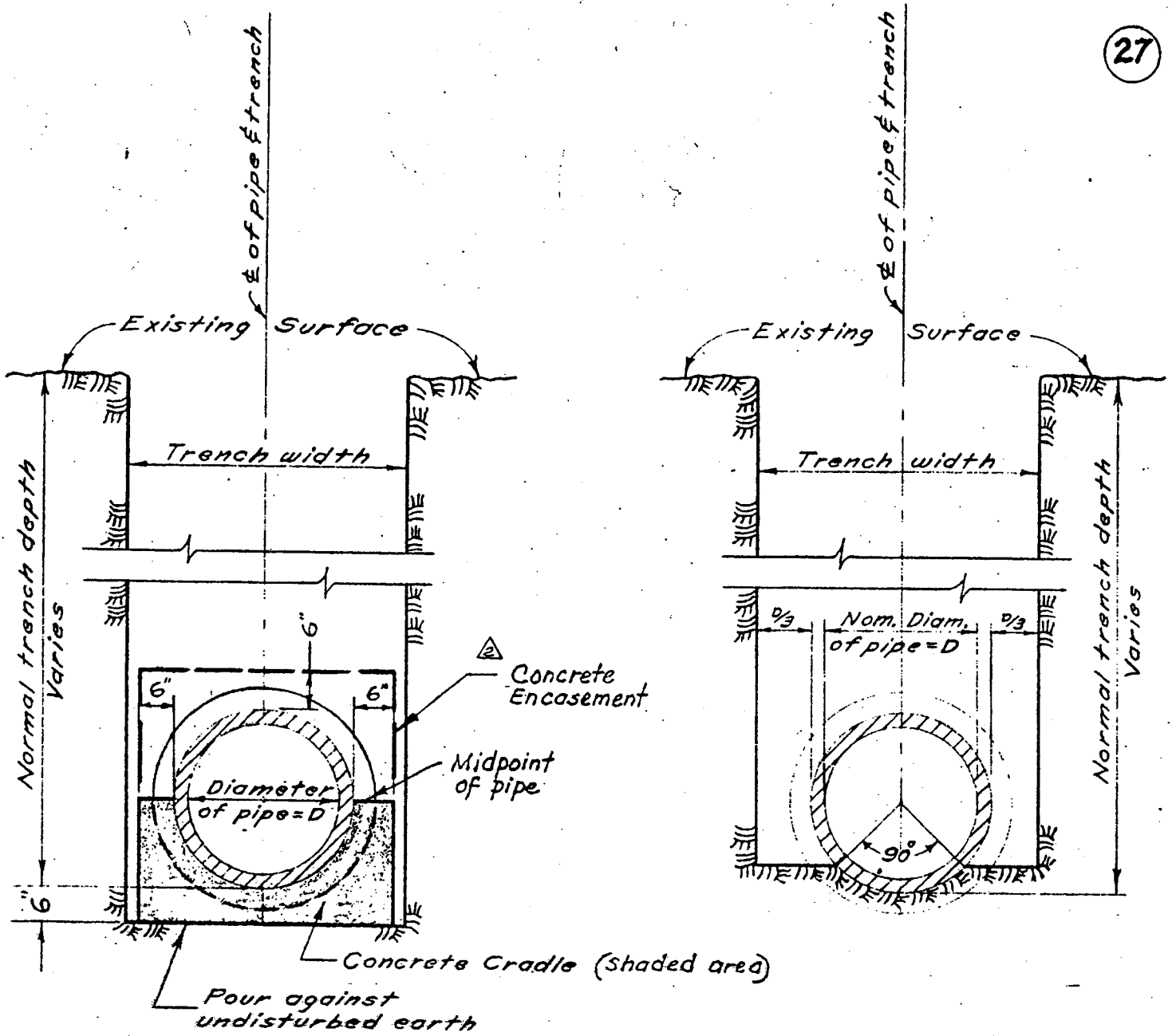
△ Re-drawn

△	1-16-69	MF	MF
△	10-3-79		
△	5-13-67	Terry	
NO.	REVISED	BY	APP.
COMPILED			
DRAWN W. Terry			
CHECKED R. F. Bullard			
DATE	SCALE		
May 1967	None		

CITY OF ALAMEDA  
CALIFORNIA  
ENGINEERING DEPARTMENT

STANDARD  
MANHOLE COVER

SHEET 1 of 1	
APPROVED BY	
<i>M. J. Hanna</i> CITY ENGINEER	
REG. C. E. NO. 7051	
DATE 5-24-67	
DWG.	CASE
1115	34



CONCRETE CRADLE AND ENCASEMENT

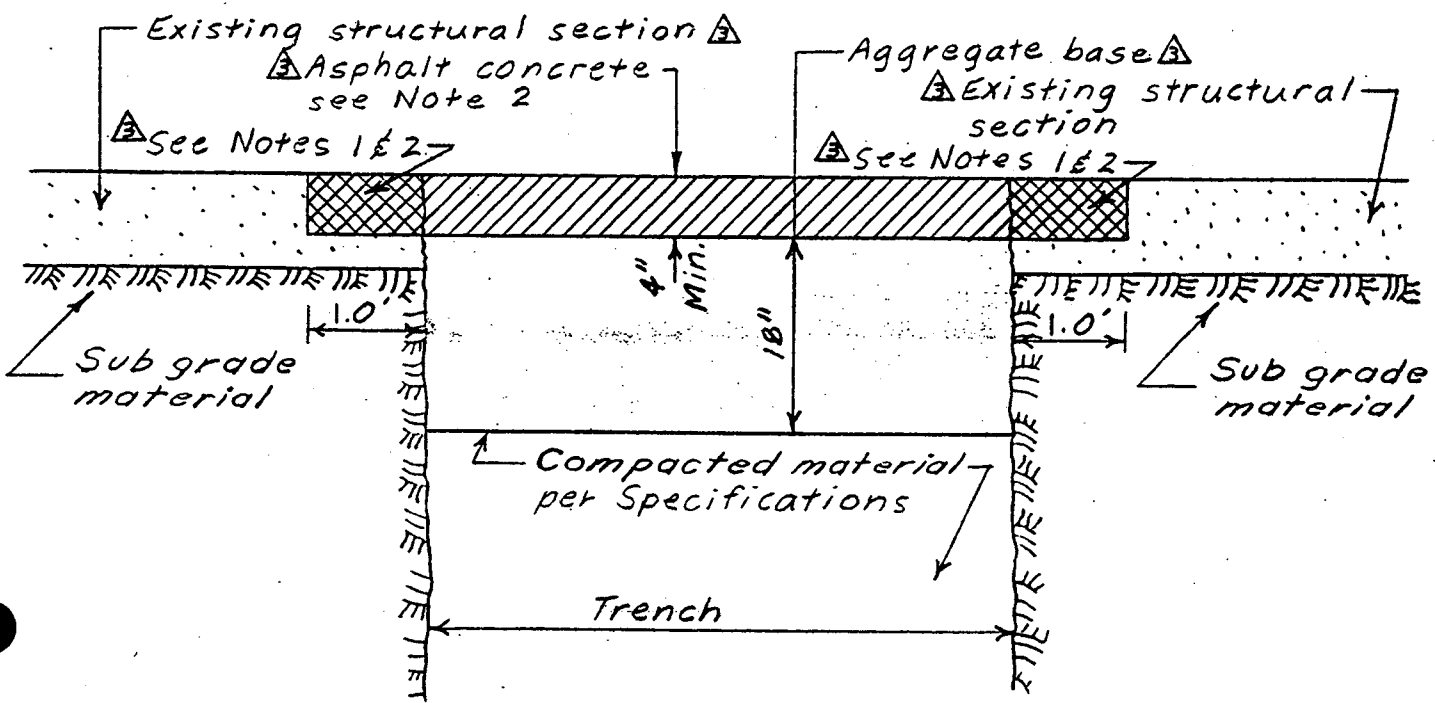
FIRST CLASS LAYING

△ Re-drawn

△	7-19-68	HW	
△	12-6-61	Terry	
NO.	REVISED	BY	APVD.
COMPILED			
DRAWN <i>W. Terry</i>			
CHECKED			
DATE	SCALE		
Dec. 1961	None		

CITY OF ALAMEDA  
 CALIFORNIA  
 ENGINEERING DEPARTMENT  
**EXCAVATION OF TRENCHES**  
**FOR**  
**PIPE SEWERS**

SHEET 1 OF 1	
APPROVED BY	
<i>M. Hanna</i>	
CITY ENGINEER	
REG. C. E. NO. 7061	
DATE	12-7-'61
DWG.	3147B
CASE	32



**NOTES**

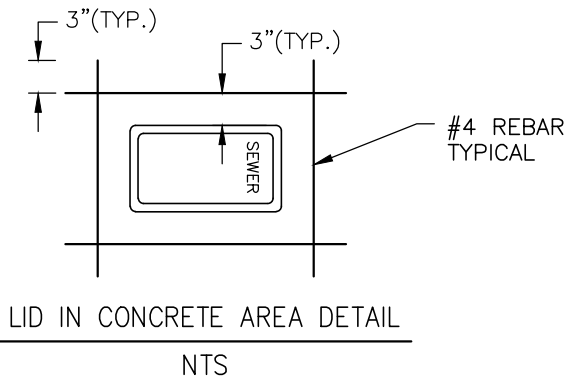
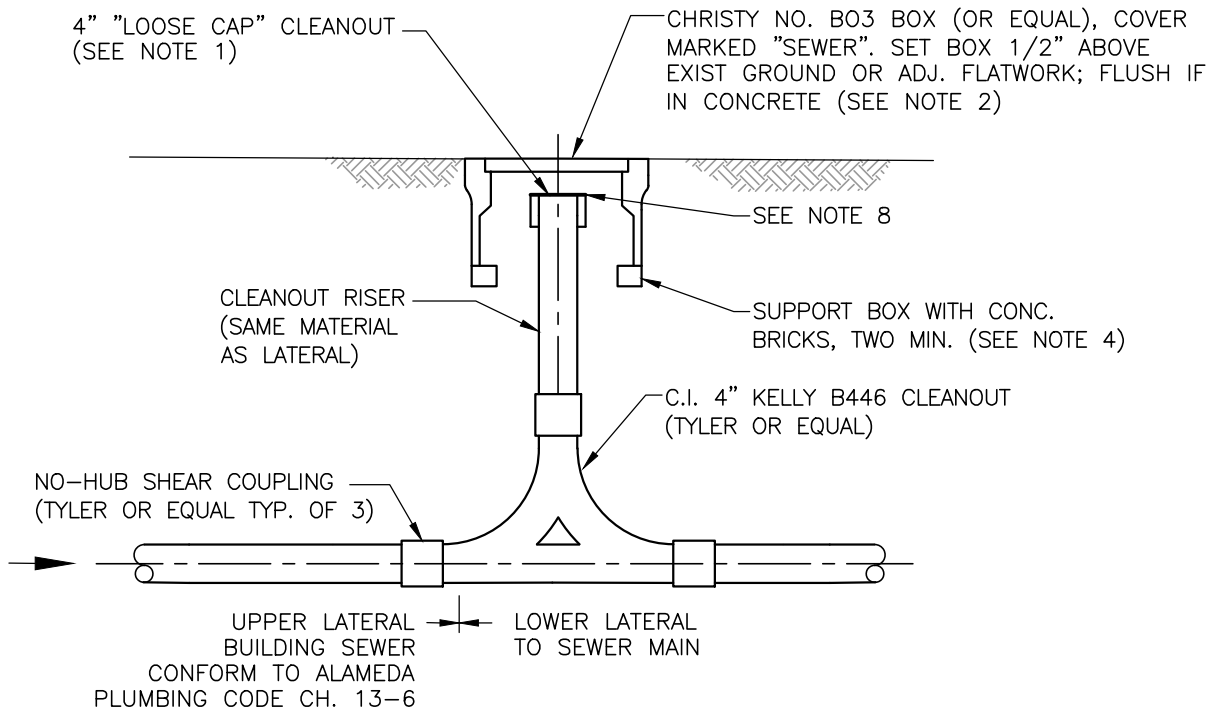
- 1. For trenches wider than 6", cut & remove additional one foot (1.0') width of asphalt concrete on both sides of the trench after placement of aggregate base & prior to paving.
- 2. Fave entire opening with 4" min. of AC or equal to original depth of AC (whichever is greater).

APRIL 1998	CRS	CTD
MAY 1996	FDB	CTD
FEB. 1975	Terry	NH
Nov. 1961	Terry	NH
NO.	REVISED	BY APVD.
FILED		
DRAWN W. Terry		
CHECKED		
DATE	SCALE	
Nov. 1961	None	

**CITY OF ALAMEDA**  
 CALIFORNIA  
 ENGINEERING DEPARTMENT  
STANDARD SECTION  
FOR  
REPAVING TRENCHES

SHEET <u>1</u> OF <u>1</u>
APPROVED BY <i>M. J. Hanna</i>
CITY ENGINEER REG. C. E. NO. 7061
DATE <u>12-5-'61</u>
DWG. <u>2930</u> CASE <u>22</u>






**NOTES:**

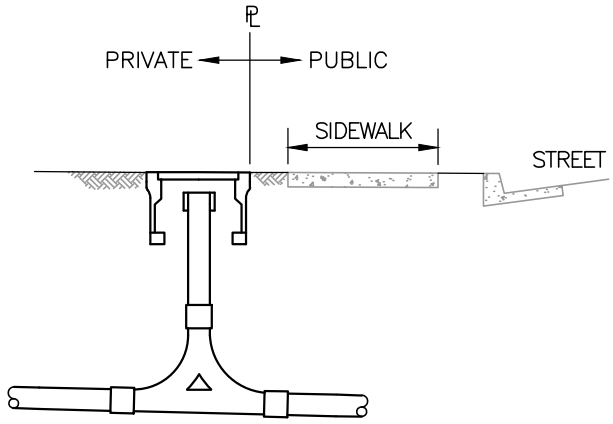
1. INSTALL CLEANOUTS ON ALL 4" SEWER LATERAL SERVICES. INSTALL "LOOSE CAP" USING RUBBER, STAINLESS STEEL BANDED END CAP, LOOSELY TIGHTENED TO ALLOW FLUID BACK PRESSURE TO REMOVE THE CAP, OR SEWER POPPER, OR SIMILAR.
2. IN DRIVEWAYS: USE CHRISTY B03C CAST-IRON LID OR EQUAL; IN LAWN/LANDSCAPE AREAS OR SIDEWALKS NOT SUBJECT TO TRAFFIC LOADING: USE CHRISTY B03D REINFORCED CONCRETE LID. IN DRIVEWAY AREAS, ANGLE BOX TO MATCH DRIVEWAY SLOPE.
3. INSTALL 2-WAY CLEANOUTS IF REQUIRED PER PLANS AND AT PROPERTY/RIGHT-OF-WAY LINE.
4. SUPPORT NOT NEEDED IF SET IN CONCRETE.
5. PROVIDE OVERFLOW PROTECTION OR BACKWATER DEVICE IF THE DIFFERENCE IN ELEVATION BETWEEN THE LOWEST FLOOR WITH PLUMBING WASTE FIXTURES OR FLOOR DRAINS AND THE RIM OF THE NEAREST UPSTREAM MANHOLE OR CLEANOUT CAP IS 12" OR LESS.
6. PROVIDE ADDITIONAL CLEANOUTS IF GREATER THAN 100 FT SPACING OR FOR EACH AGGREGATE HORIZONTAL CHANGE OF DIRECTION EXCEEDING 135 DEGREES.
7. FOR CLEANOUT LOCATION SEE DETAIL ON SHEET 2.
8. CLEARANCE FROM TOP OF CHRISTY BOX TO TOP OF CAP SHALL BE 3.5" MINIMUM.

NO.	REVISED	BY	APP.

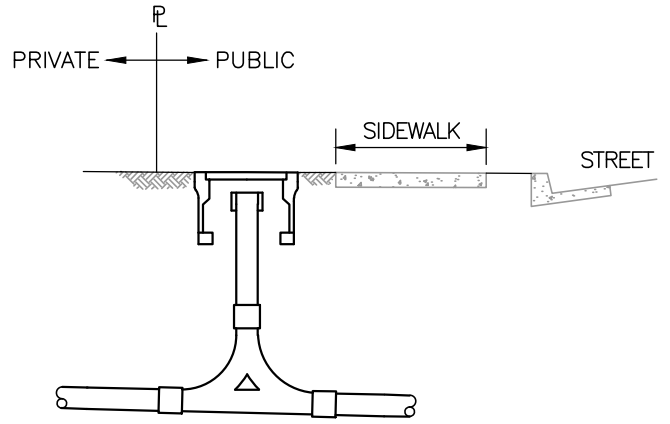
	DSN: CLG	<b>CITY OF ALAMEDA, CALIFORNIA PUBLIC WORKS DEPARTMENT</b>  <b>4" SEWER LATERAL TWO-WAY CLEANOUT</b>	STD DETAIL	
	DWN: CLG		<b>SS-1</b>	
	CHK MNO	ED SOMMERAUER CITY ENGINEER	DATE	SHEET 1 OF 2
	JAN 2015			SCALE: NONE

Images: Alameda.png; Xrefs: Path: F:\BMAP-STD\Alameda\Std\Alameda\Std\Alameda SS Std Draft.dwg Layout Name: SS 1-1 Plot Date: Feb 04, 2015 at 13:49

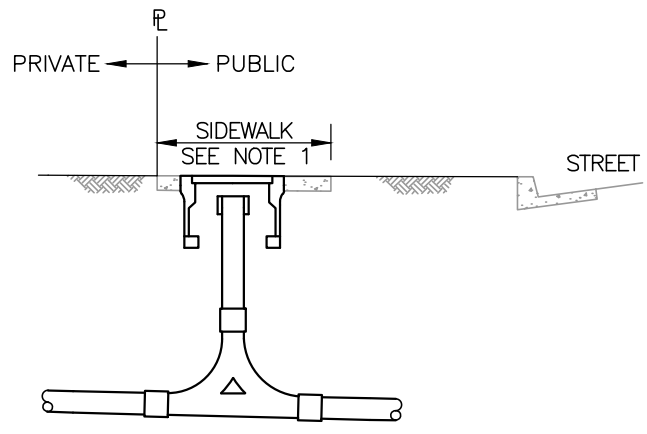
Images: Alameda.png; Xrefs: Path: F:\BMAP-STD\Alameda\Std\Alameda\Std\Std Draft.dwg Layout Name: SS 1-2 Plot Date: Feb 04, 2015 at 11:29



STREET SERVICE  
BEHIND THE SIDEWALK  
ON PRIVATE PROPERTY  
NTS

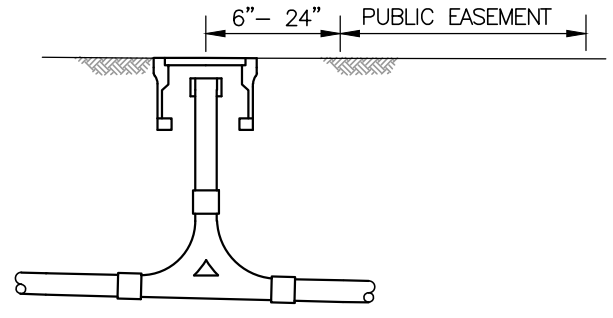


STREET SERVICE  
BEHIND THE SIDEWALK  
IN PUBLIC RIGHT OF WAY  
NTS



WITH APPROVAL OF THE CITY, CLEANOUTS MAY BE INSTALLED IN SIDEWALK WHERE A WALL OR OTHER STRUCTURE PREVENTS INSTALLATION BEHIND WALK. **RIGHT OF WAY CONCRETE PERMIT IS REQUIRED.**

STREET SERVICE  
SIDEWALK OR DRIVEWAY  
NTS



CLEANOUTS ON SERVICES AT EASEMENTS INSTALLED 6" TO 24" OUTSIDE THE EASEMENT. **CONTACT PUBLIC WORKS FOR LOCATION OF PUBLIC EASEMENT.**

EASEMENT SERVICE  
NTS

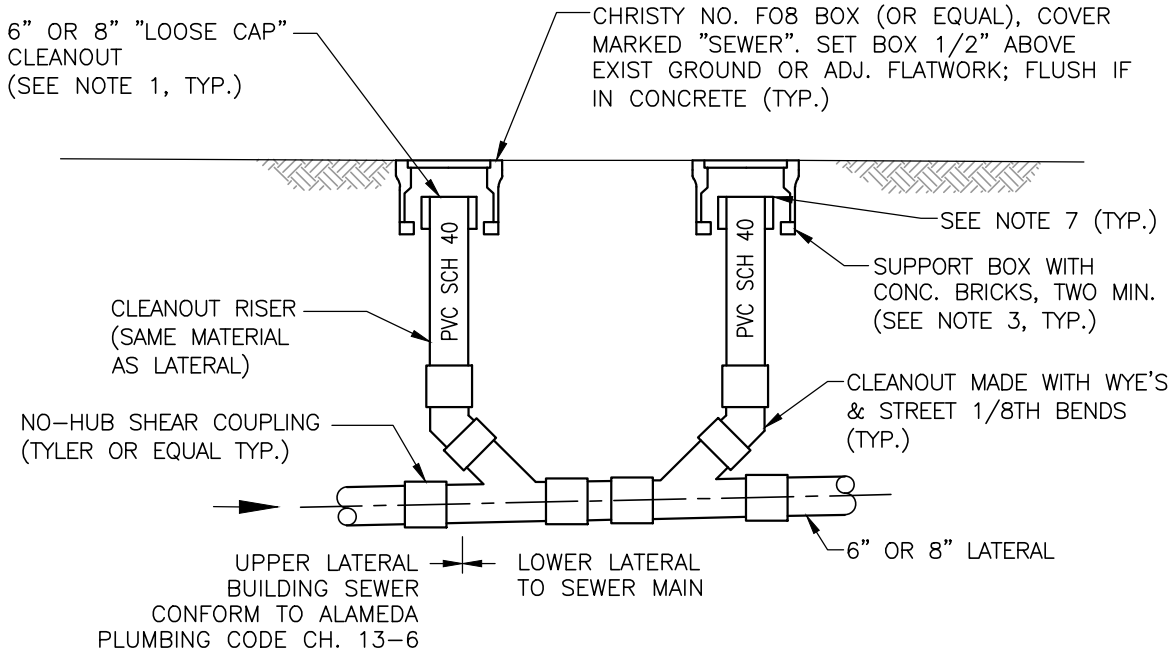
**NOTE:**

1. RECONSTRUCT SIDEWALK PER CITY STANDARD PLAN 6297-24. INSTALL REBAR PER SHEET 1. LIMITS FOR CONCRETE RECONSTRUCTION TO BE NEAREST SCORE MARK OR AS DIRECTED BY CITY ENGINEER.

NO.	REVISED	BY	APP.

	DSN: CLG	CITY OF ALAMEDA, CALIFORNIA PUBLIC WORKS DEPARTMENT	STD DETAIL <b>SS-1</b> SHEET 2 OF 2
	DWN: CLG		
	CHK MNO	ED SOMMERAUER CITY ENGINEER	DATE
	JAN 2015		


**4" SEWER LATERAL  
TWO-WAY CLEANOUT**



**NOTES:**

1. INSTALL CLEANOUTS ON ALL 6" AND 8" SEWER LATERAL SERVICES UNLESS OTHERWISE SPECIFIED. INSTALL "LOOSE CAP" USING RUBBER, STAINLESS STEEL BANDED END CAP, LOOSELY TIGHTENED TO ALLOW FLUID BACK PRESSURE TO REMOVE THE CAP, OR SEWER POPPER, OR SIMILAR.
2. IN DRIVEWAYS: USE CHRISTY F08C CAST IRON LID OR EQUAL; IN LAWN/LANDSCAPE AREAS OR SIDEWALKS NOT SUBJECT TO TRAFFIC LOADING: USE CHRISTY F08R REINFORCED CONCRETE LID. IN DRIVEWAY AREAS, ANGLE BOX TO MATCH DRIVEWAY SLOPE.
3. SUPPORT NOT NEEDED IF SET IN CONCRETE.
4. PROVIDE OVERFLOW PROTECTION OR BACKWATER DEVICE IF THE DIFFERENCE IN ELEVATION BETWEEN THE LOWEST FLOOR WITH PLUMBING WASTE FIXTURES OR FLOOR DRAINS AND THE RIM OF THE NEAREST UPSTREAM MANHOLE OR CLEANOUT IS 12" OR LESS.
5. PROVIDE ADDITIONAL CLEANOUTS IF GREATER THAN 100 FT SPACING OR FOR EACH AGGREGATE HORIZONTAL CHANGE OF DIRECTION EXCEEDING 135 DEGREES.
6. FOR CLEANOUT LOCATION SEE DETAIL ON SHEET 2.
7. CLEARANCE FROM TOP OF CHRISTY BOX TO TOP OF CAP SHALL BE 3.5" MINIMUM.

NO.	REVISED	BY	APP.

	DSN: CLG	CITY OF ALAMEDA, CALIFORNIA PUBLIC WORKS DEPARTMENT	STD DETAIL <b>SS-2</b> SHEET 1 OF 2	
	DWN: CLG			
	CHK MNO	ED SOMMERAUER CITY ENGINEER	DATE	SCALE: NONE
	JAN 2015			

Images: Alameda.png; Xrefs:  
 Path: F:\BMAP-STD\Alameda\Std\Alameda\Std\Draft.dwg Layout Name: SS 2-1 Plot Date: Feb 04, 2015 at 13:47



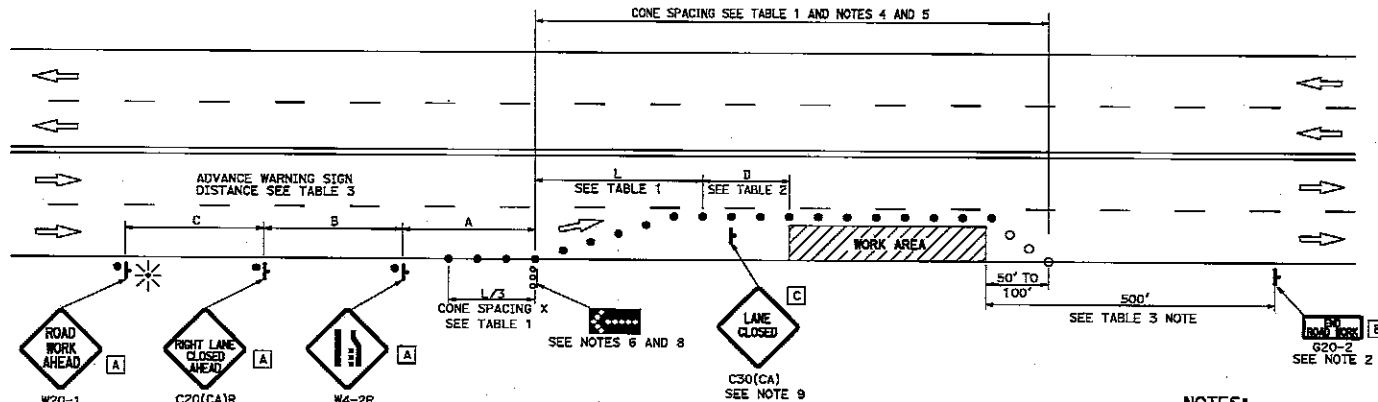
Dist	COUNTY	ROUTE	POST MILES	SHEET NO.	TOTAL SHEETS
			TOTAL PROJECT		

*Decinder Soph*  
REGISTERED CIVIL ENGINEER

October 30, 2015  
PLANS APPROVAL DATE

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION  
REGISTERED PROFESSIONAL ENGINEER  
Davidinder Soph  
C50478  
Exp. 6-30-11  
TTL

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF DRAWN COPIES OF THIS PLAN SHEET.



TYPICAL LANE CLOSURE

**NOTES:**

- See Standard Plan T9 for tables.
- Use cone spacing X for taper segment, Y for tangent segment or Z for conflict situations, as appropriate, per Table 1, unless X, Y, or Z cone spacing is shown on this sheet.
- All temporary warning signs shall have black legend on fluorescent orange background.
- California codes are designated by (CA). Otherwise, Federal (MUTCD) codes are shown.

**NOTES:**

- Each advance warning sign shall be equipped with at least two flags for daytime closure. Each flag shall be at least 16" x 16" in size and shall be orange or fluorescent red-orange in color. Flashing beacons shall be placed at the locations indicated for lane closure during hours of darkness.
- A G20-2 "END ROAD WORK" sign, as appropriate, shall be placed at the end of the lane closure unless the end of work area is obvious, or ends within a larger project's limits.
- If the W20-1 sign would follow within 2000' of a stationary W20-1 or G20-1 "ROAD WORK NEXT MILES", use a C20(CA) sign for the first advance warning sign.
- All cones used for lane closures during the hours of darkness shall be fitted with retroreflective bands (or sleeves).
- Portable delineators, placed at one-half the spacing indicated for traffic cones, may be used instead of cones for daytime closures only.
- Flashing arrow sign shall be either Type I or Type II.
- For approach speeds over 50 mph, use the "Traffic Control System for Lane Closure On Freeways And Expressways" plan for lane closure details and requirements.
- A minimum 1500' of sight distance shall be provided where possible for vehicles approaching the first flashing arrow sign. Lane closures shall not begin at the top of crest vertical curve or on a horizontal curve.
- Place a C30(CA) sign every 2000' throughout length of lane closure.
- Median lane closures shall conform to the details shown except that C20(CA)L and W4-2L signs shall be used.
- At least one person shall be assigned to provide full time maintenance of traffic control devices for lane closure unless, otherwise directed by the Engineer.

**LEGEND**

- TRAFFIC CONE
- TRAFFIC CONE (OPTIONAL TAPER)
- † TEMPORARY TRAFFIC CONTROL SIGN
- ◆ FLASHING ARROW SIGN (FAS)
- ▬ FAS SUPPORT OR TRAILER
- ★ PORTABLE FLASHING BEACON

**SIGN PANEL SIZE (Min)**

- A 48" x 48"
- B 36" x 18"
- C 30" x 30"

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION  
**TRAFFIC CONTROL SYSTEM  
FOR LANE CLOSURE ON  
MULTILANE CONVENTIONAL  
HIGHWAYS**

NO SCALE

T11



**LEGEND**

- TRAFFIC CONE
- ⊥ TEMPORARY TRAFFIC CONTROL SIGN
- ⬇ FLASHING ARROW SIGN (FAS)
- ☀ FAS SUPPORT OR TRAILER
- ⊛ PORTABLE FLASHING BEACON

**SIGN PANEL SIZE (Min)**

- A 48" x 48"
- B 24" x 24"
- C 36" x 18"

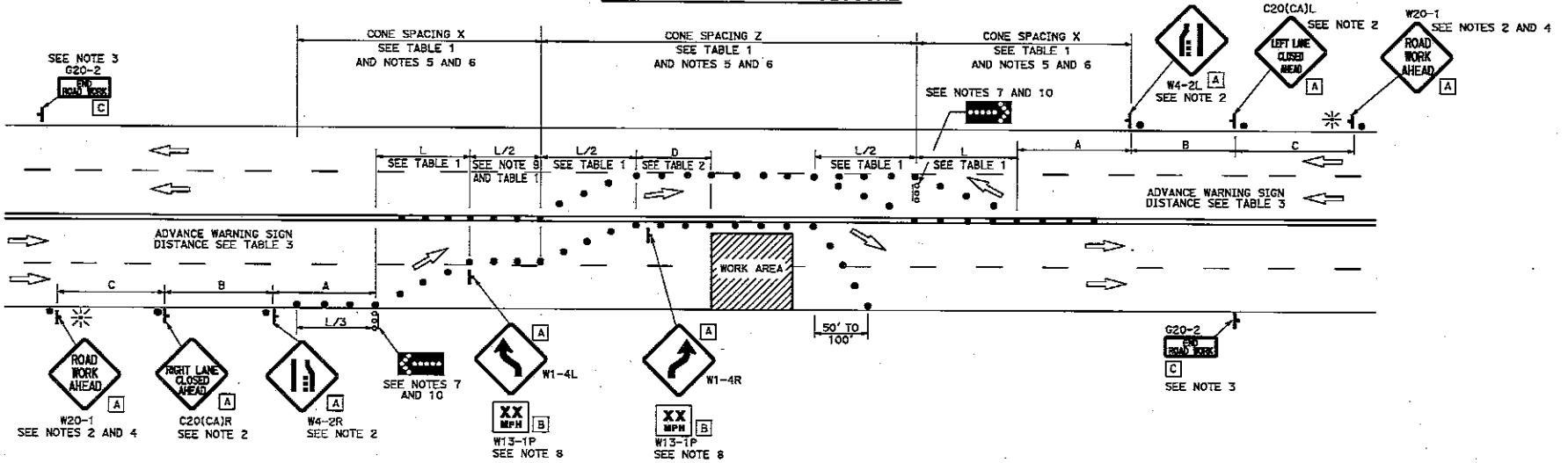
**NOTES:**

See Standard Plan T9 for tables.  
 Use cone spacing X for taper segment, Y for tangent segment or Z for conflict situations, as appropriate, per Table 1, unless X, Y, or Z cone spacing is shown on this sheet.  
 All temporary warning signs shall have black legend on fluorescent orange background.  
 California codes are designated by (CA). Otherwise, Federal (MUTCD) codes are shown.

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET TOTAL SHEETS

*Dezider Singh*  
 REGISTERED CIVIL ENGINEER  
 October 30, 2015  
 PLANS APPROVAL DATE  
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

**TYPICAL HALF ROAD CLOSURE**



**NOTES:**

- At least one person shall be assigned to provide full time maintenance of traffic control devices for lane closure unless, otherwise directed by the Engineer.
- Each advance warning sign in each direction of travel shall be equipped with at least two flags for daytime closure. Each flag shall be at least 16" x 16" in size and shall be orange or fluorescent red-orange in color. Flashing beacons shall be placed at the locations indicated for lane closure during hours of darkness.
- A G20-2 "END ROAD WORK" sign, as appropriate, shall be placed at the end of the lane closure unless the end of work area is obvious, or ends within a larger project's limits.
- If the W20-1 sign would follow within 2000' of a stationary W20-1 or G20-1 "ROAD WORK NEXT MILES", use a C20(CA) sign for the first advance warning sign.
- All cones used for lane closures during the hours of darkness shall be fitted with retrorreflective bands (or sleeves).
- Portable delineators, placed at one-half the spacing indicated for traffic cones, may be used instead of cones for daytime closures only.
- Flashing arrow signs shall be either Type I or Type II.
- Advisory speed will be determined by the Engineer. The W13-1P Plaque will not be required when advisory speed is more than the posted or maximum speed limit.
- The tangent (L/2) shall be used.
- A minimum 1500' of sight distance shall be provided where possible for vehicles approaching the first flashing arrow sign. Lane closures shall not begin at the top of crest vertical curve or on a horizontal curve.

STATE OF CALIFORNIA  
 DEPARTMENT OF TRANSPORTATION

**TRAFFIC CONTROL SYSTEM  
 FOR HALF ROAD CLOSURE ON  
 MULTILANE CONVENTIONAL  
 HIGHWAYS AND EXPRESSWAYS**

NO SCALE

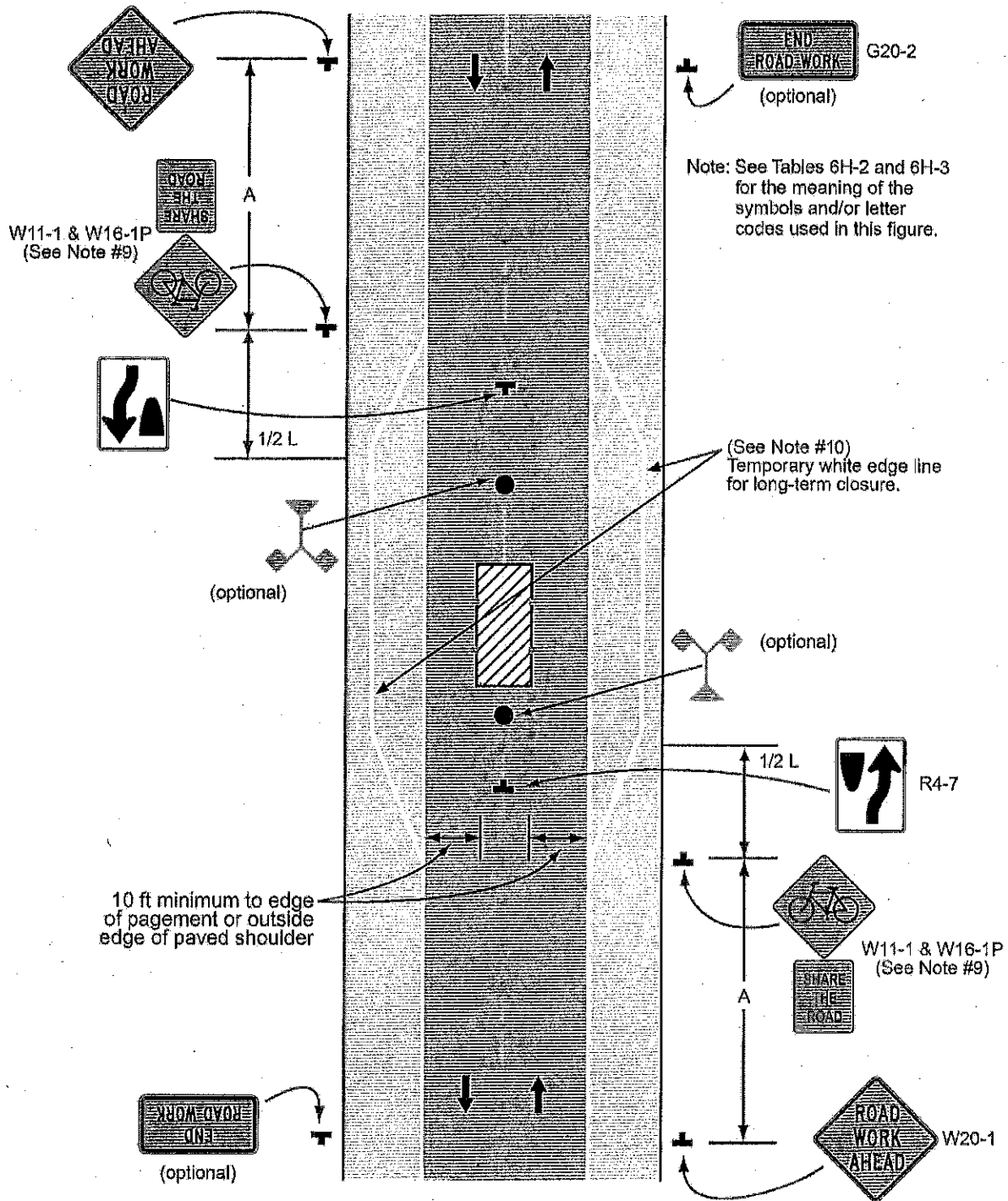
**T12**

2015 STANDARD PLAN T12

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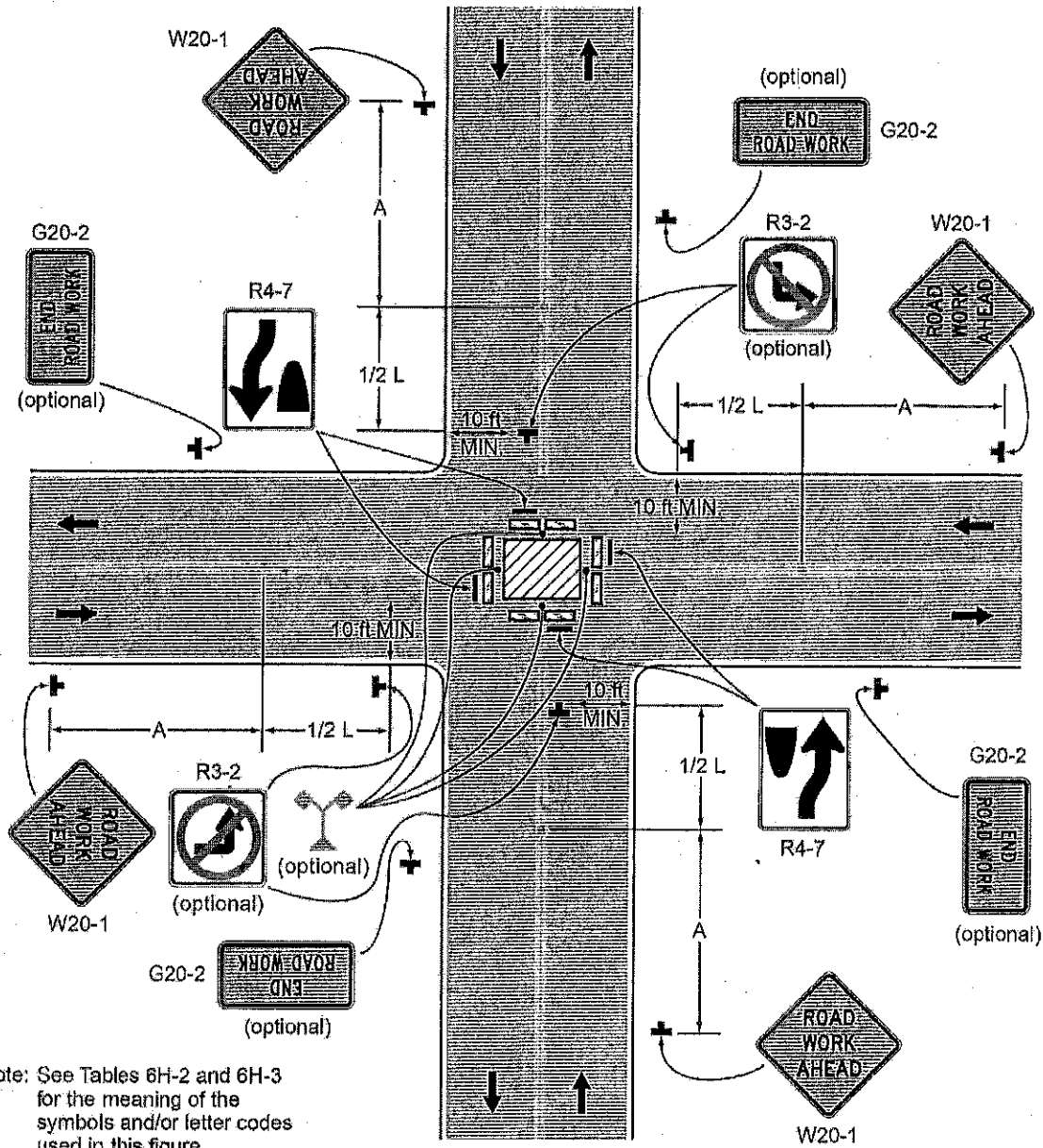


**Figure 6H-15. Work in Center of Road with Low Traffic Volumes (TA-15)**



**Typical Application 15**

Figure 6H-26. Closure in the Center of an Intersection (TA-26)



Note: See Tables 6H-2 and 6H-3 for the meaning of the symbols and/or letter codes used in this figure.

Typical Application 26

**Figure 6H-27. Closure at the Side of an Intersection (TA-27)**

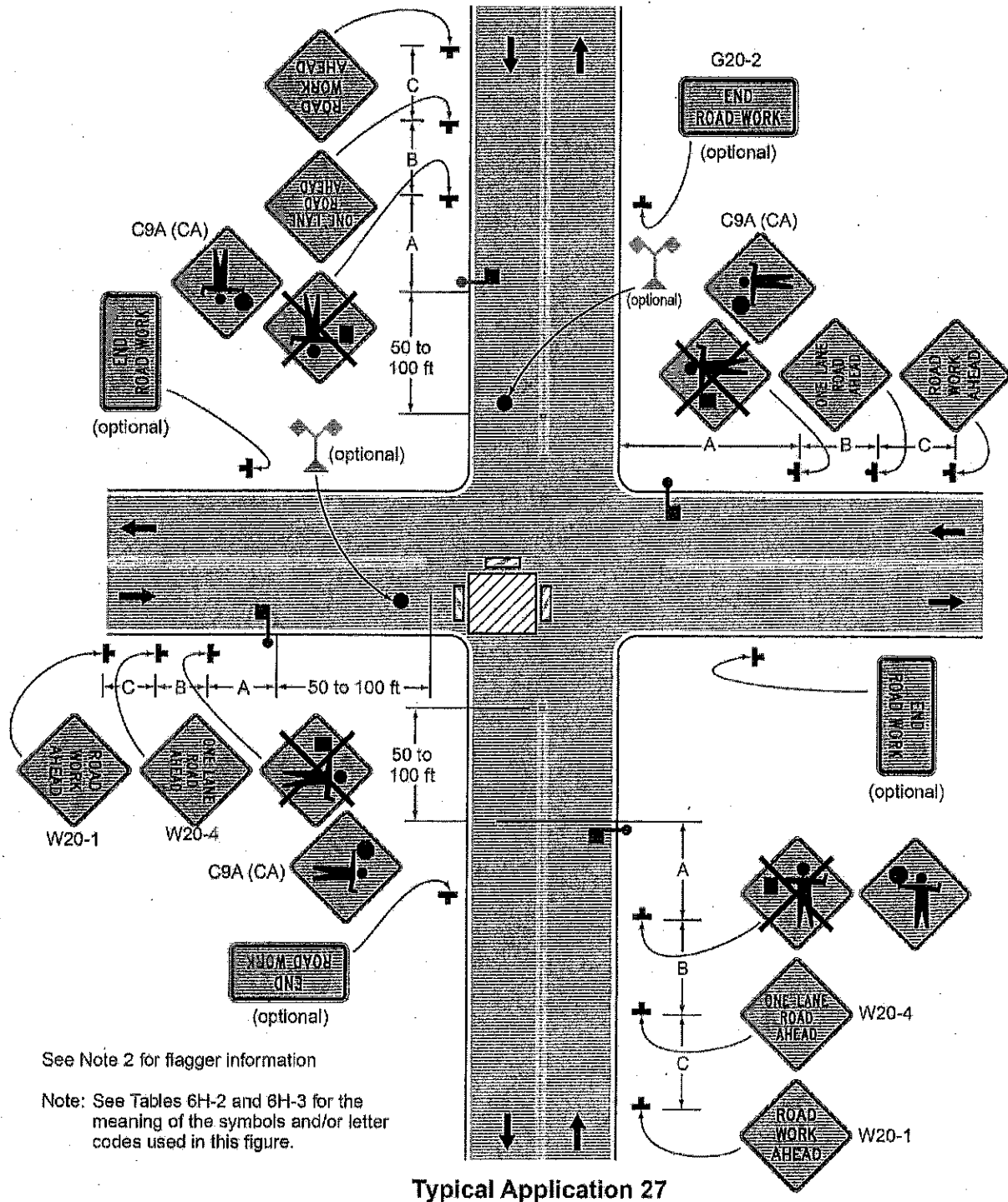
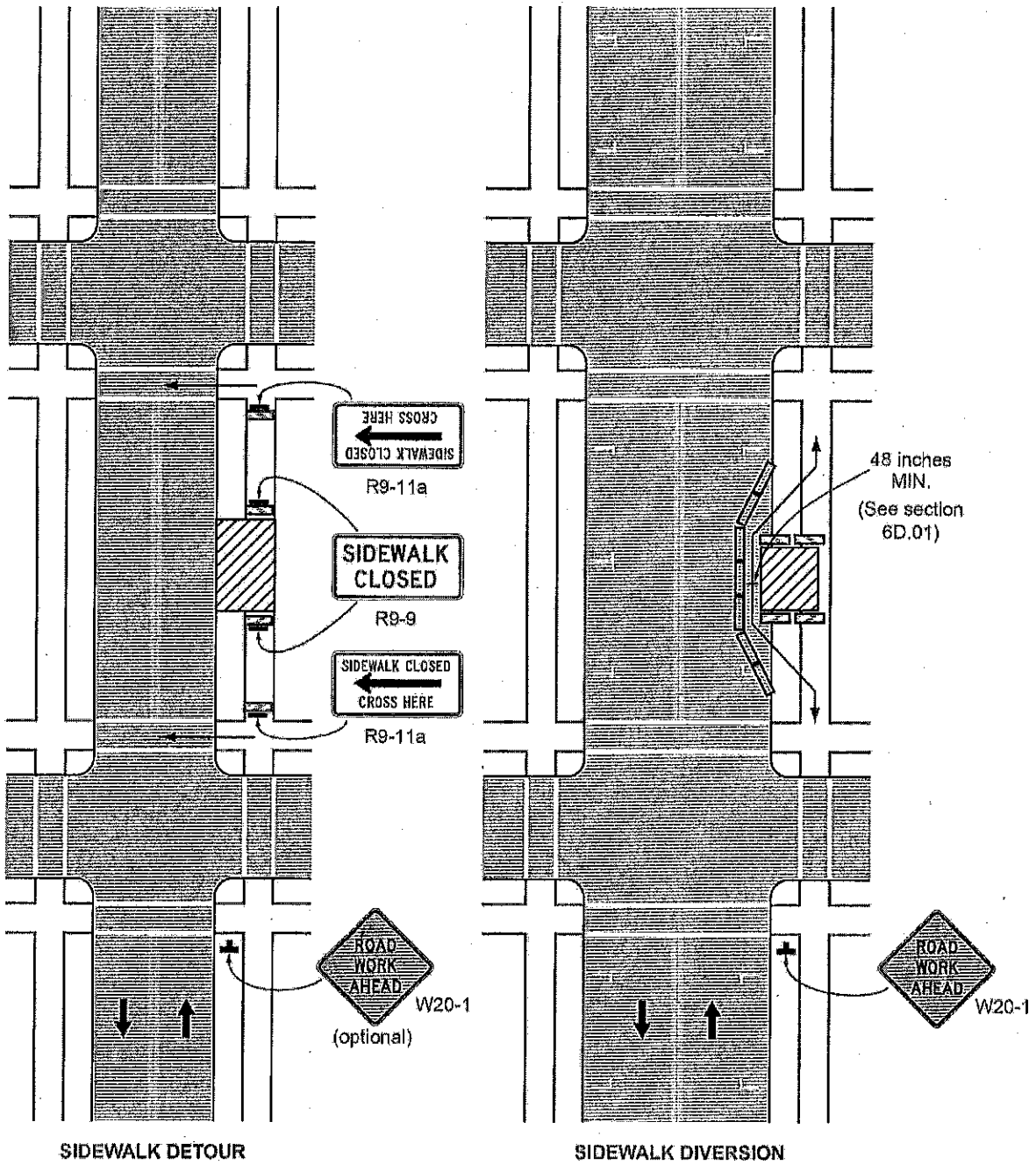




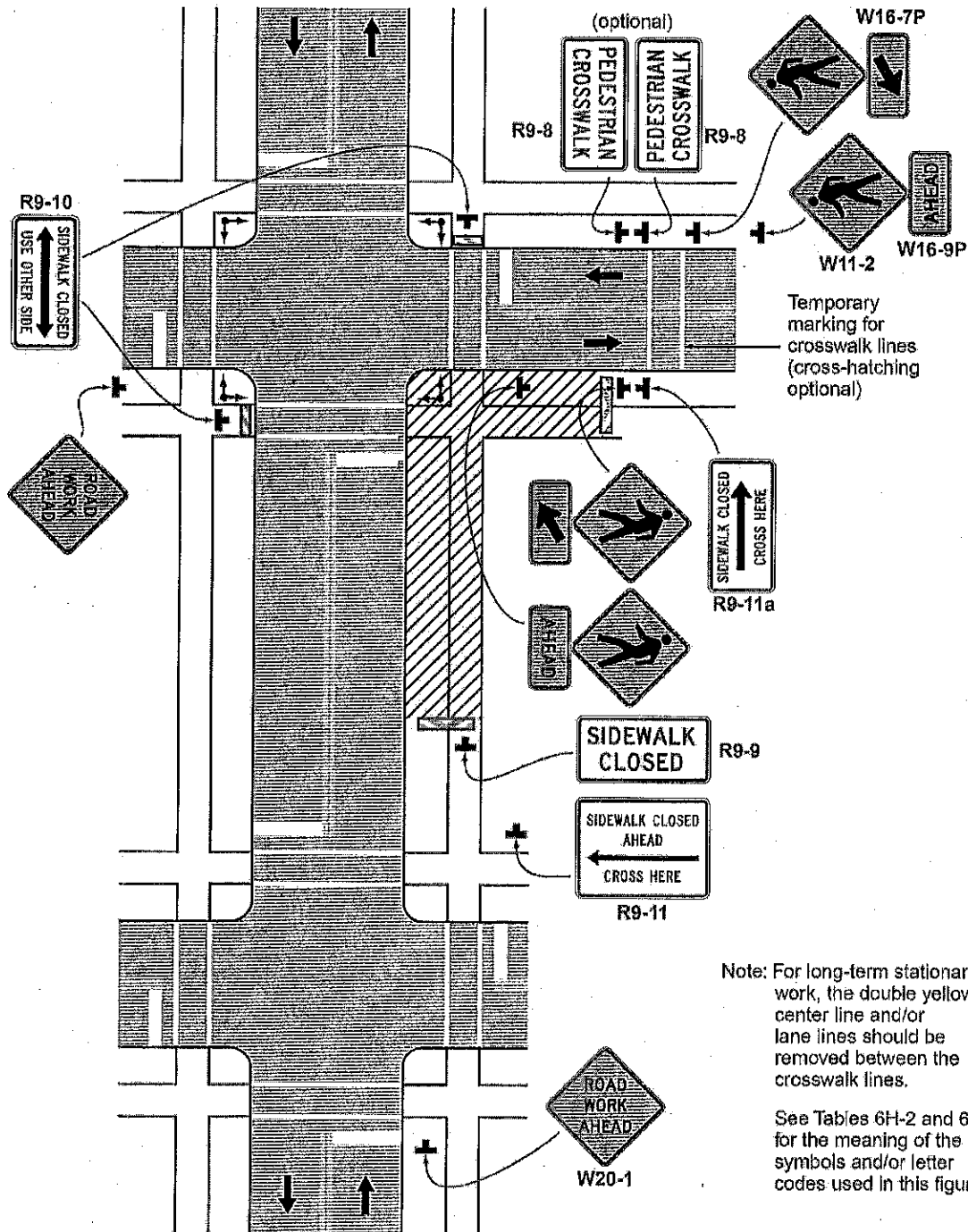
Figure 6H-28. Sidewalk Detour or Diversion (TA-28)



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Note: See Tables 6H-2 and 6H-3 for the meaning of the symbols and/or letter codes used in this figure.

**Figure 6H-29. Crosswalk Closures and Pedestrian Detours (TA-29)**



Note: For long-term stationary work, the double yellow center line and/or lane lines should be removed between the crosswalk lines.

See Tables 6H-2 and 6H-3 for the meaning of the symbols and/or letter codes used in this figure.

**Typical Application 29**