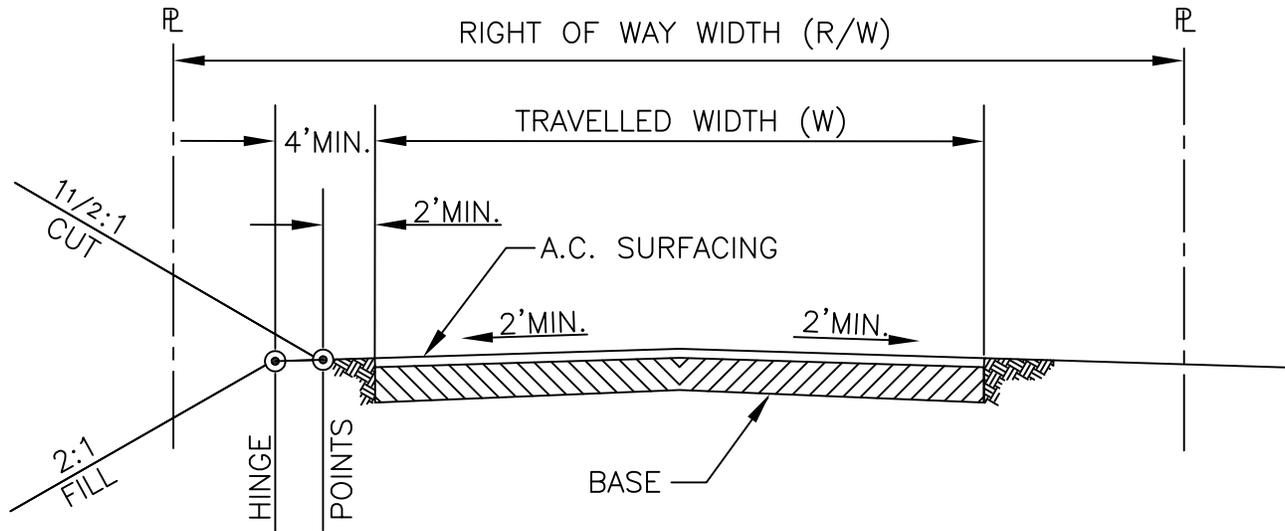


# TOWN OF LOS ALTOS HILLS

## STANDARD DETAILS

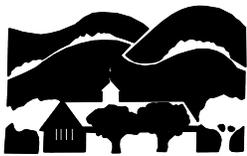
<u>STD. NO.</u>	<u>DETAILS</u>	<u>ADOPTED DATE</u>
1	TYPICAL GEOMETRIC ROAD SECTION	12/7/2011
2	CUL DE SAC DETAIL	12/7/2011
3	STANDARD ROLLED CURB	12/7/2011
4	STANDARD ISLAND CURB	12/7/2011
5	STANDARD CONCRETE VALLEY GUTTER	12/7/2011
6	CATCH BASIN TYPE 1	12/7/2011
7	CATCH BASIN TYPE 2	12/7/2011
8	STANDARD CATCH BASIN HARDWARE	12/7/2011
9	DROP INLET TYPE 1	12/7/2011
10	DROP INLET TYPE 2	12/7/2011
11	HEADWALL TYPE "A"	12/7/2011
12	HEADWALL TYPE "B"	12/7/2011
13	HEADWALL TYPE "C"	12/7/2011
14	STANDARD SUBDRAIN	12/7/2011
15	ROADSIDE PATH (TYPE 2B)	12/7/2011
16	STREET NAME SIGN	12/7/2011
17	STREET MONUMENT	12/7/2011
18	STANDARD ROAD BARRICADE	12/7/2011
19	STREET SIGN	12/7/2011
20	PATHWAY HANDRAIL	12/7/2011
21	PATHWAY WATER BAR	12/7/2011
22	PATHWAY RETAINING WALL AND HANDRAIL	12/7/2011

<b>23</b>	<b>PLASTIC PIPE MANHOLE SIGN</b>	<b>12/7/2011</b>
<b>24</b>	<b>FILTER FABRIC DROP INLET SEDIMENT BARRIER</b>	<b>12/7/2011</b>
<b>25</b>	<b>SEDIMENT ROLL DETAIL</b>	<b>12/7/2011</b>
<b>26</b>	<b>VEGETATION CLEARING FOR PATHWAY</b>	<b>12/7/2011</b>
<b>SS-1</b>	<b>SANITARY SEWER MANHOLE</b>	<b>1/13/2011</b>
<b>SS-2</b>	<b>MANHOLE FRAME AND COVER</b>	<b>1/13/2011</b>
<b>SS-3</b>	<b>FLUSHING INLET</b>	<b>1/13/2011</b>
<b>SS-4</b>	<b>FLUSHING INLET FRAME AND COVER</b>	<b>1/13/2011</b>
<b>SS-5</b>	<b>SANITARY SEWER LATERAL</b>	<b>1/13/2011</b>
<b>SS-6</b>	<b>VERTICAL SEWER LATERAL CLEANOUT</b>	<b>1/13/2011</b>
<b>SS-7</b>	<b>LATERAL CONNECTION TO EXISTING SEWER MAIN</b>	<b>1/13/2011</b>
<b>SS-8</b>	<b>DROP MANHOLE CONNECTION</b>	<b>1/13/2011</b>
<b>SS-9</b>	<b>WYE BRANCH LATERAL</b>	<b>1/13/2011</b>
<b>UT-1</b>	<b>BACKFILL DETAIL – STREET</b>	<b>12/7/2011</b>
<b>UT-2</b>	<b>BACKFILL DETAIL – SHOULDER/EASEMENTS</b>	<b>1/13/2011</b>



ROAD CLASSIFICATION	R/W	W	SURFACING A.C. min	BASE CL2 A.B.min
ARTERIAL ROAD	60'	24'	4"	8"
COLLECTOR ROAD	60'	22'	4"	8"
LOCAL ROAD	60'	22'	4"	8"
CUL-DE-SAC ROAD	60'	22'	4"	8"
PRIVATE ROAD	60'	20'	4"	8"

LOS ALTOS HILLS



CALIFORNIA

TITLE

TYPICAL GEOMETRIC ROAD SECTION

ADOPTED BY CITY COUNCIL DATE:

12/07/2011

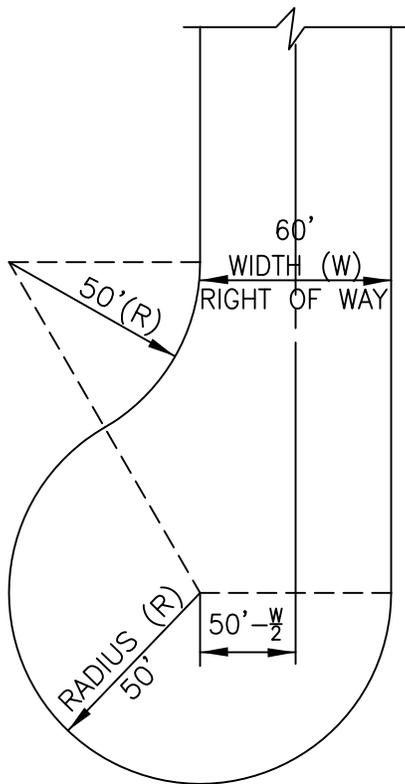
SCALE: NONE

DATE: 11/18/2011

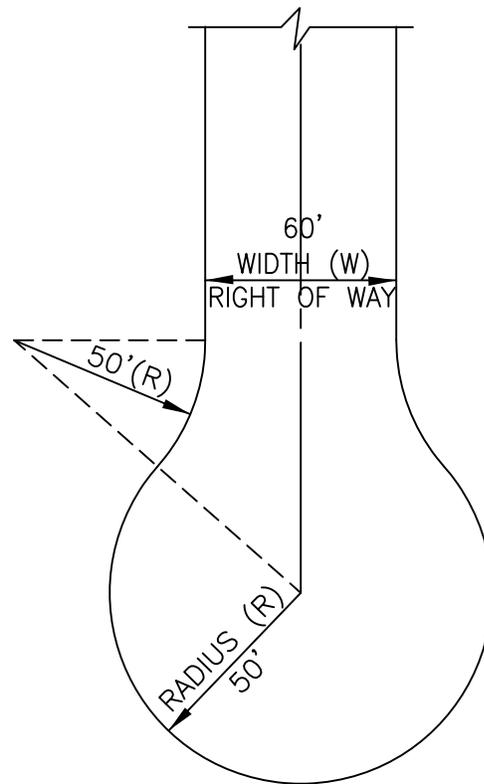
CHK: JMP

STANDARD DETAIL

1



OFFSET BULB

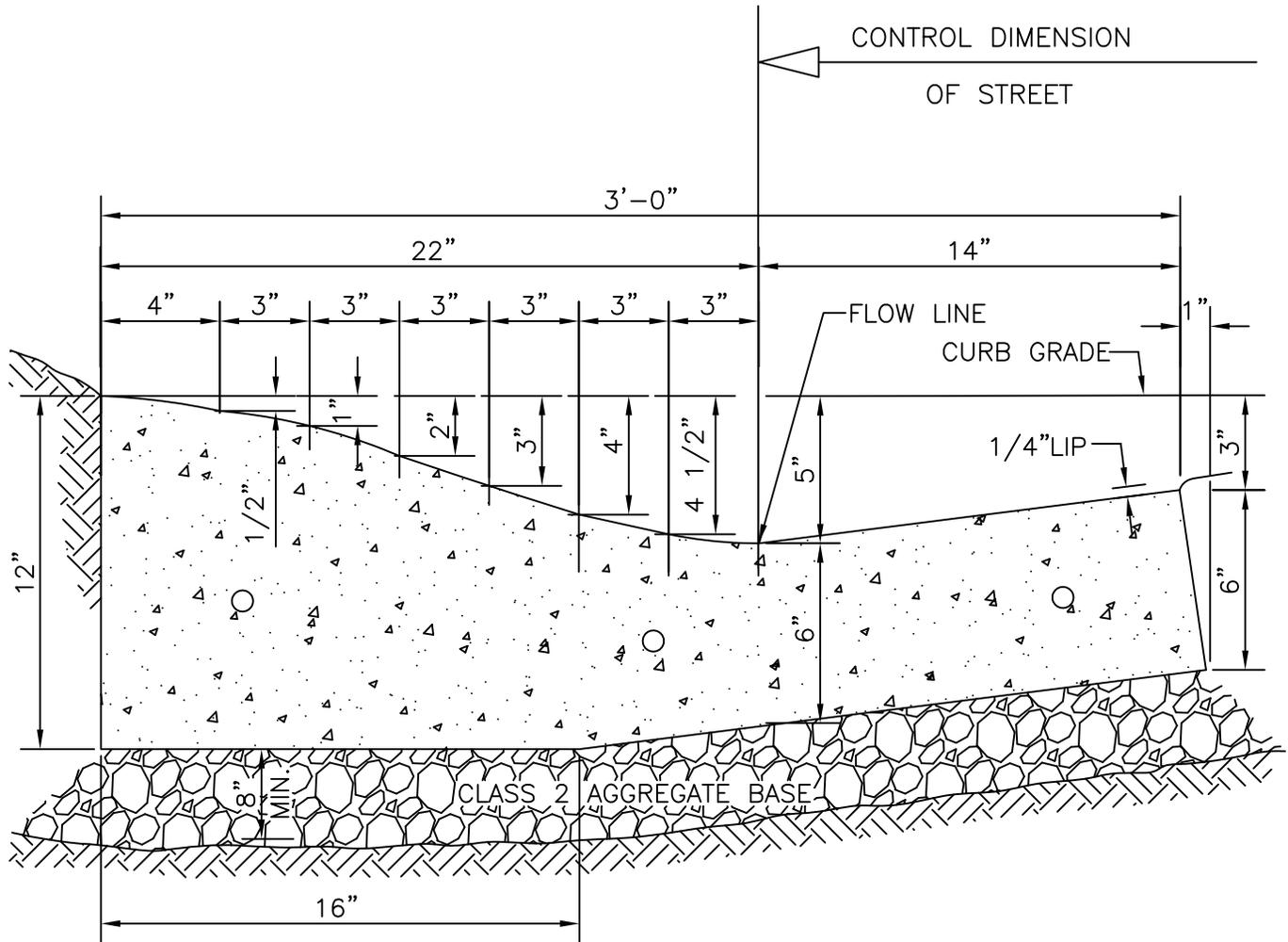


SYMMETRICAL BULB

NOTES:

1. SEE TYPICAL GEOMETRIC ROAD SECTIONS FOR ROAD WIDTH (W).
2. TYPICAL MAY BE OPPOSITE HAND.

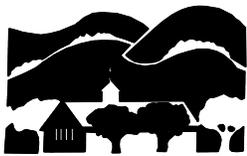
<p>LOS ALTOS HILLS CALIFORNIA</p>	<p>TITLE</p> <p><b>ROAD STANDARDS CUL DE SAC DETAIL</b></p>		
	<p>ADOPTED BY CITY COUNCIL DATE:</p> <p>12/07/2011</p>	<p>SCALE: NONE</p> <p>DATE: 11/18/2011</p> <p>CHK: JMP</p>	<p>STANDARD DETAIL</p> <p><b>2</b></p>
	<p>26379 FREMONT ROAD, LOS ALTOS HILLS, CA 94022 • Phone: (650) 941-7222</p>		



**NOTES:**

1. USE 1/2" EXPANSION JOINTS AT EACH END OF CURB RETURNS AND AT 60' O.C. MAXIMUM.
2. USE 1/2"Ø-12" LONG, SMOOTH CAPPED DOWELS AT EACH EXPANSION JOINT AND AT ENDS OF POURS.
3. MARK DUMMY JOINTS 1" DEEP AT 20' O.C.
4. CLASS B CONCRETE.

LOS ALTOS HILLS



CALIFORNIA

TITLE

STANDARD ROLLED CURB

ADOPTED BY CITY COUNCIL DATE:

12/07/2011

SCALE: NONE

DATE: 11/18/2011

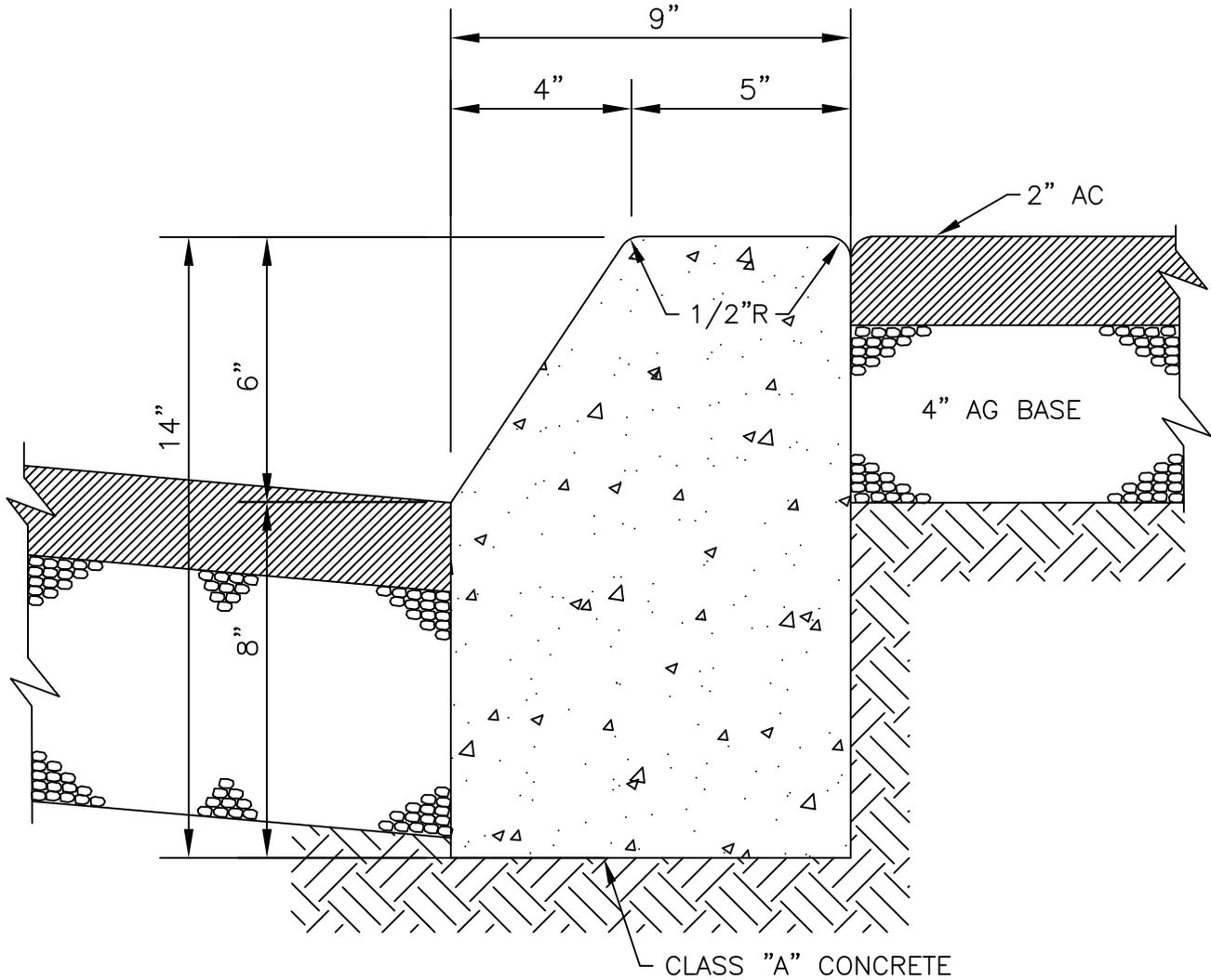
CHK: JMP

STANDARD DETAIL

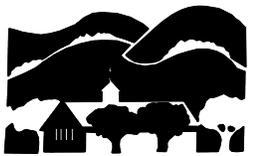
3

**NOTE:**

ISLAND REQUIRES AC SURFACING FOR PEDESTRIAN CROSSING,  
OTHERWISE FILL ISLAND WITH TOPSOIL GRADED TO DRAIN.



LOS ALTOS HILLS



CALIFORNIA

TITLE

STANDARD ISLAND CURB

ADOPTED BY CITY COUNCIL DATE:

12/07/2011

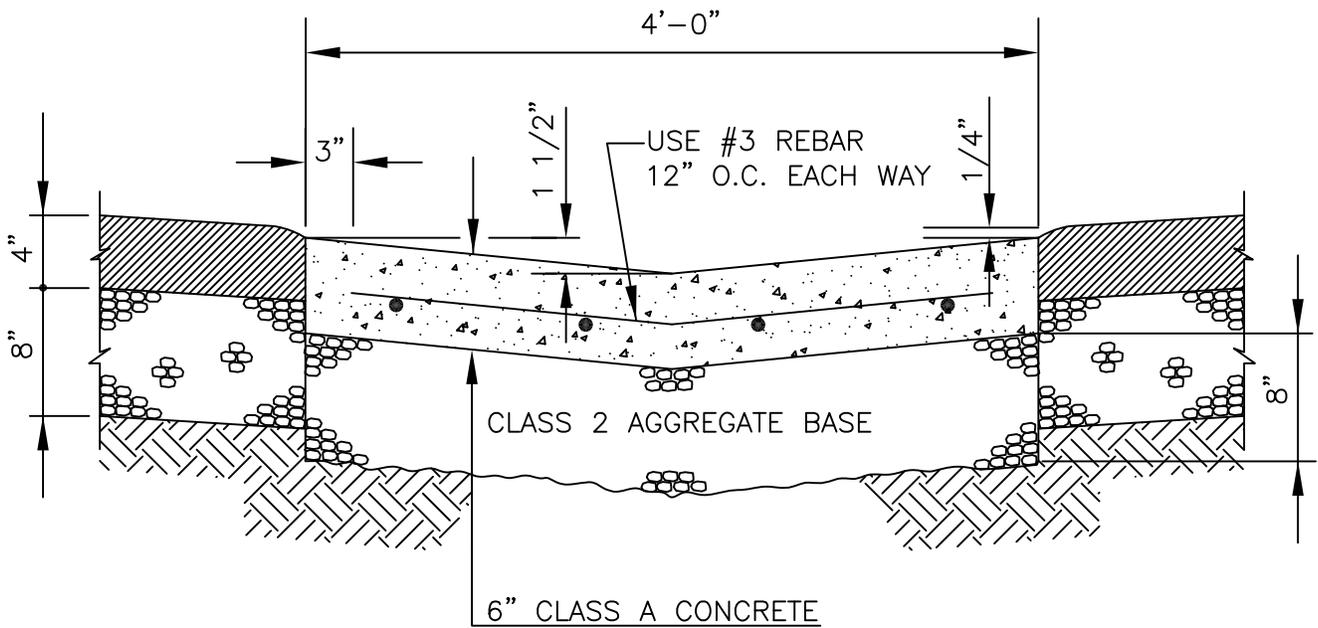
SCALE: NONE

DATE: 11/18/2011

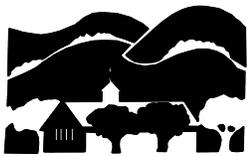
CHK: JMP

STANDARD DETAIL

4



LOS ALTOS HILLS



CALIFORNIA

TITLE

STANDARD CONCRETE VALLEY GUTTER

ADOPTED BY CITY COUNCIL DATE:

12/07/2011

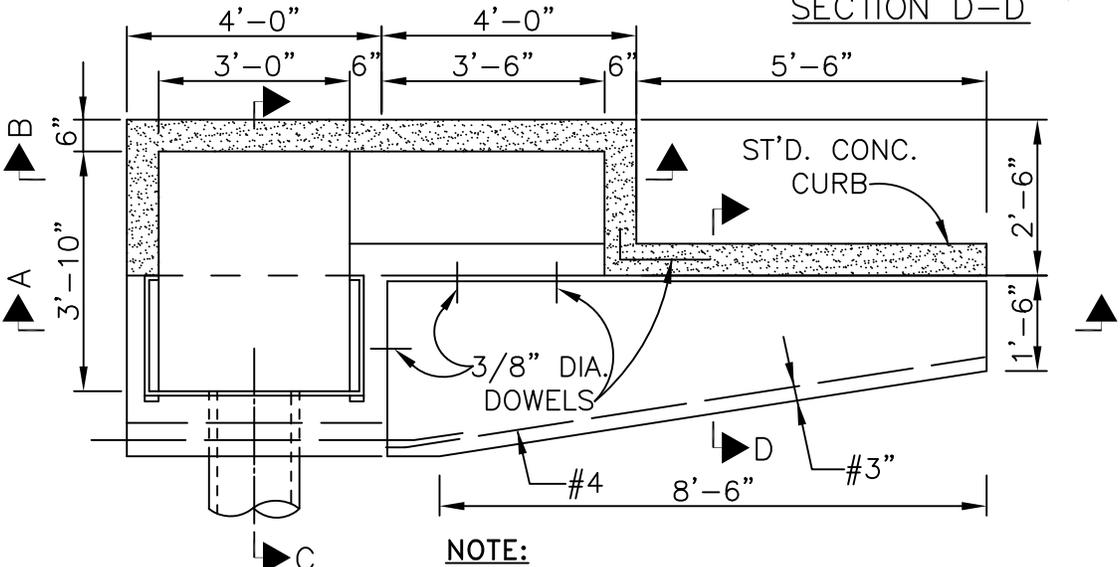
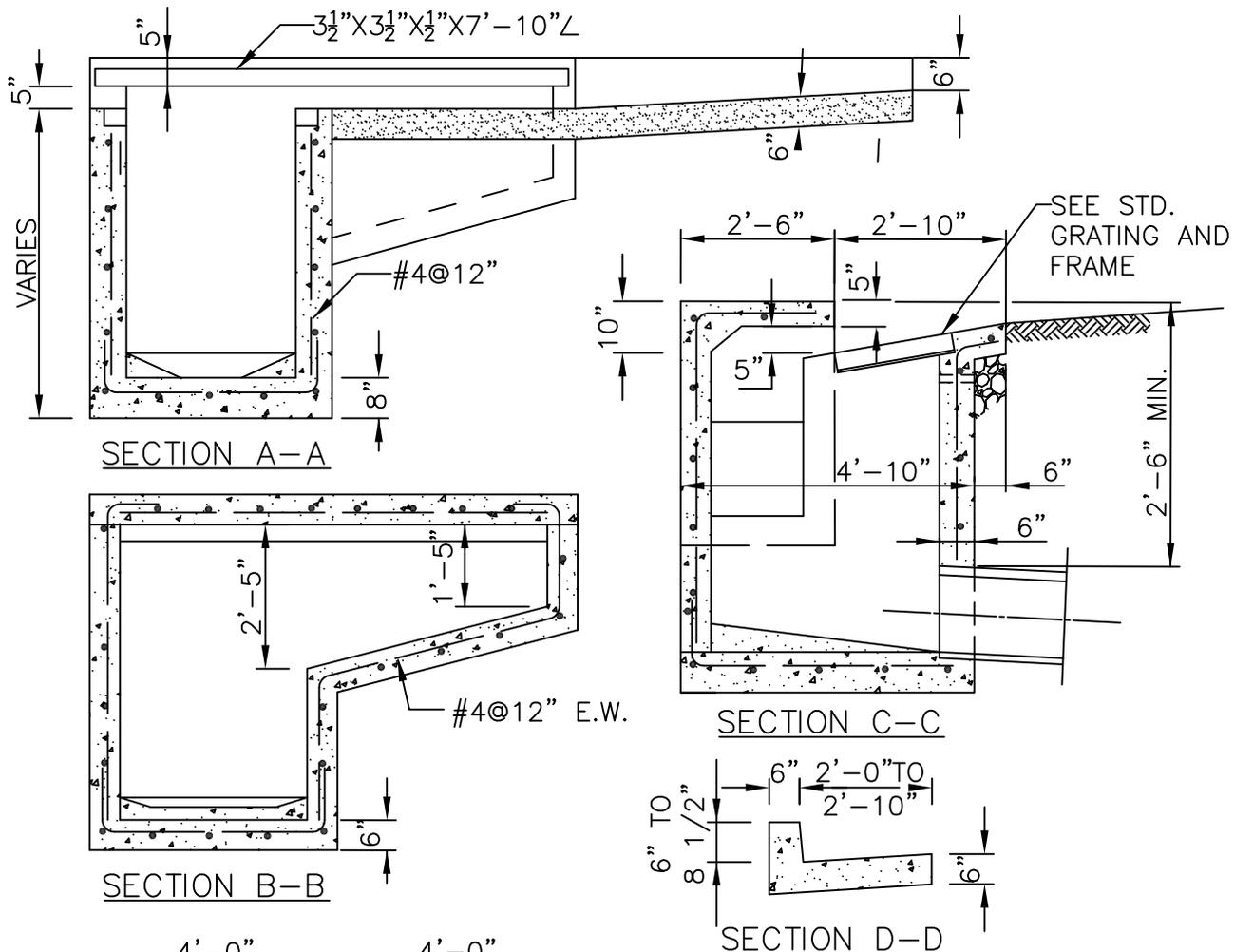
SCALE: NONE

DATE: 11/18/2011

CHK: JMP

STANDARD DETAIL

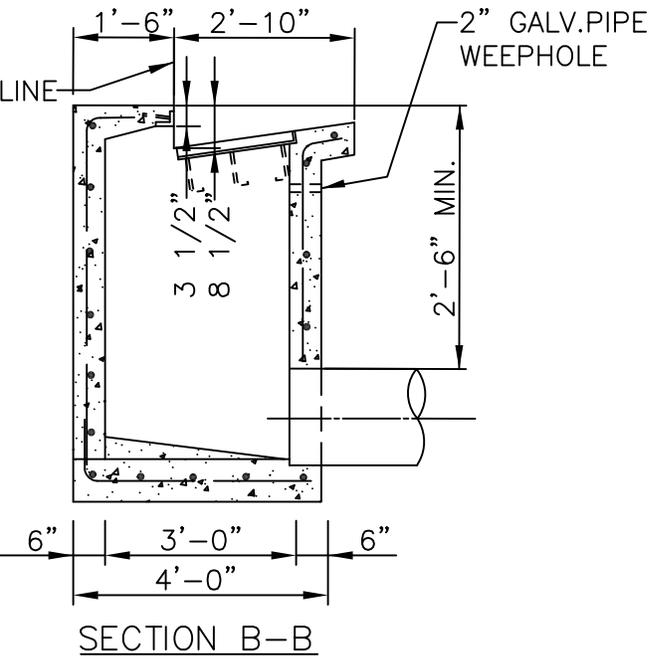
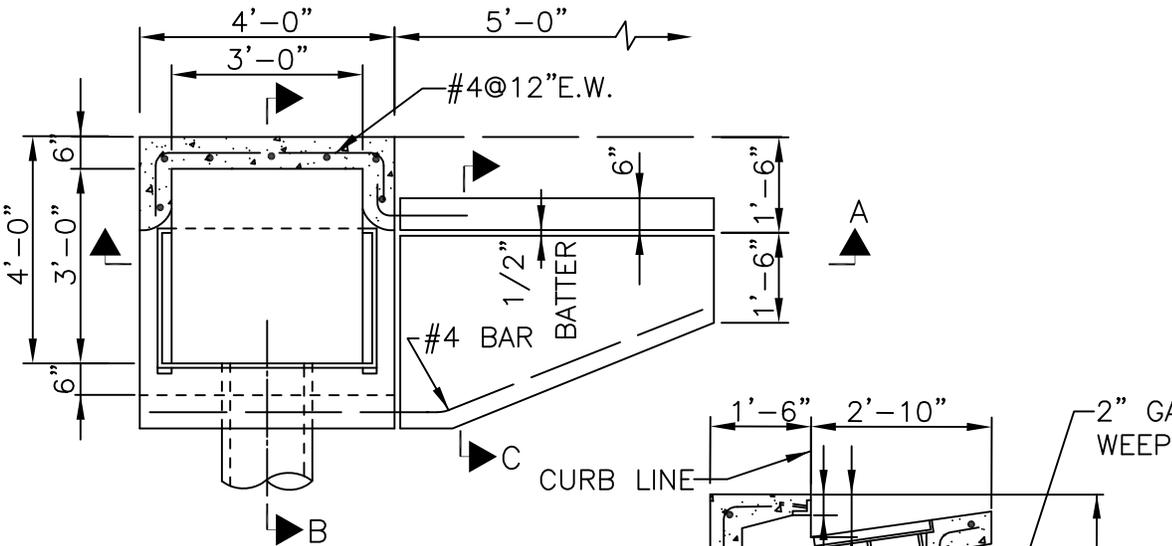
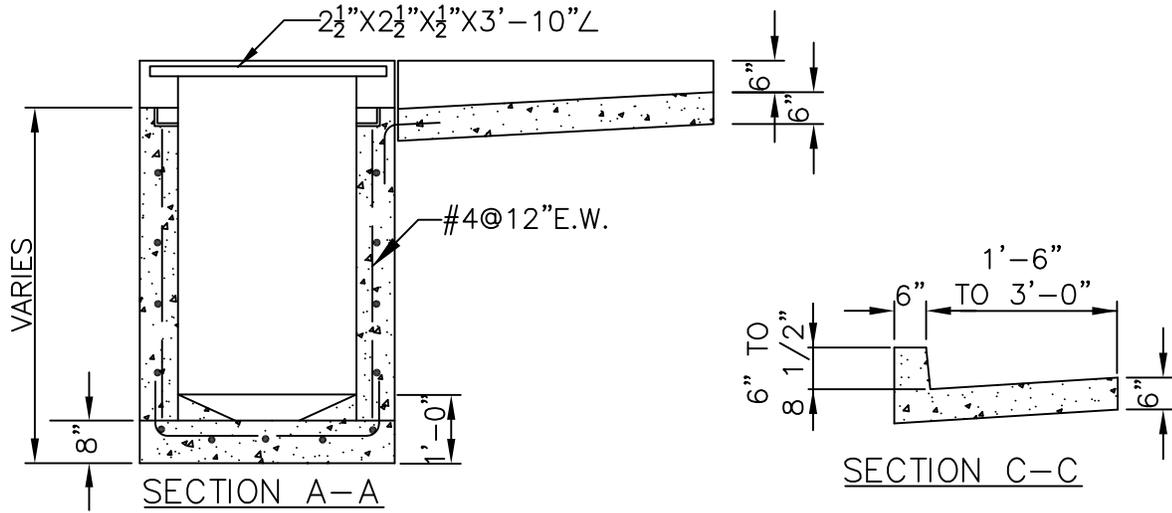
5



**NOTE:**  
ALL CONCRETE CLASS A.



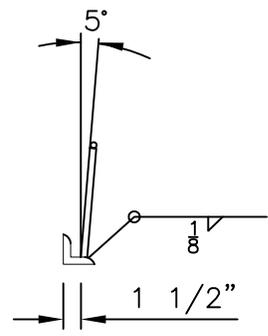
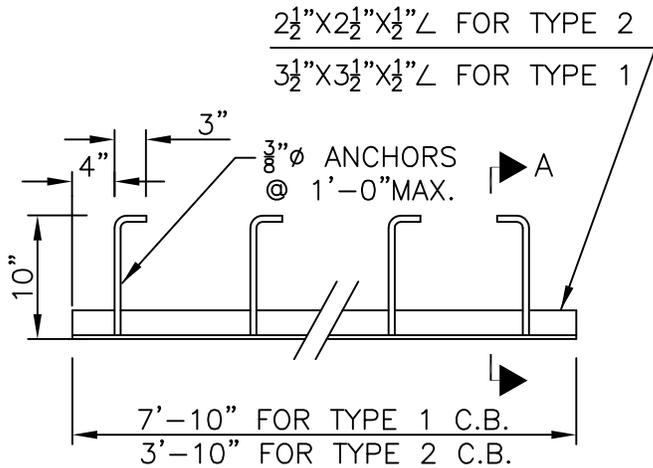
TITLE		<b>CATCH BASIN TYPE 1</b>	
ADOPTED BY CITY COUNCIL DATE:	SCALE: NONE	<b>6</b> STANDARD DETAIL	
12/07/2011	DATE: 11/18/2011		
	CHK: JMP		
26379 FREMONT ROAD, LOS ALTOS HILLS, CA 94022 • Phone: (650) 941-7222			



**NOTE:**  
ALL CONCRETE CLASS A.



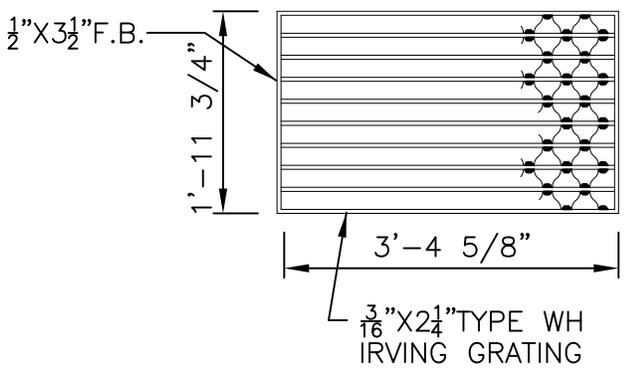
TITLE <b>CATCH BASIN TYPE 2</b>		
ADOPTED BY CITY COUNCIL DATE: <b>12/07/2011</b>	SCALE: NONE DATE: 11/18/2011 CHK: JMP	STANDARD DETAIL <b>7</b>
26379 FREMONT ROAD, LOS ALTOS HILLS, CA 94022 • Phone: (650) 941-7222		



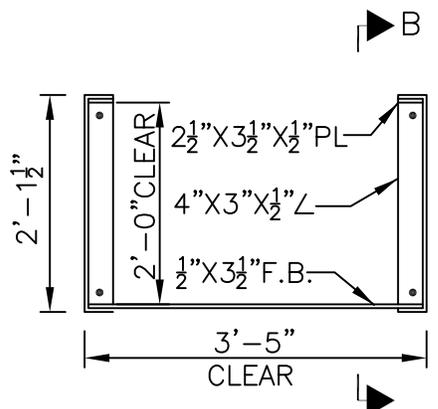
SECTION A

CURB ANGLE

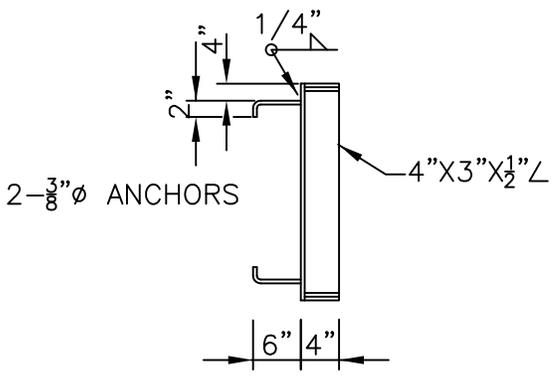
**NOTE:**  
 FRAMES, GRATINGS, AND CURB  
 ANGLES TO BE HOT DIP  
 GALVANIZED AFTER FABRICATION.



GRATING TYPE B



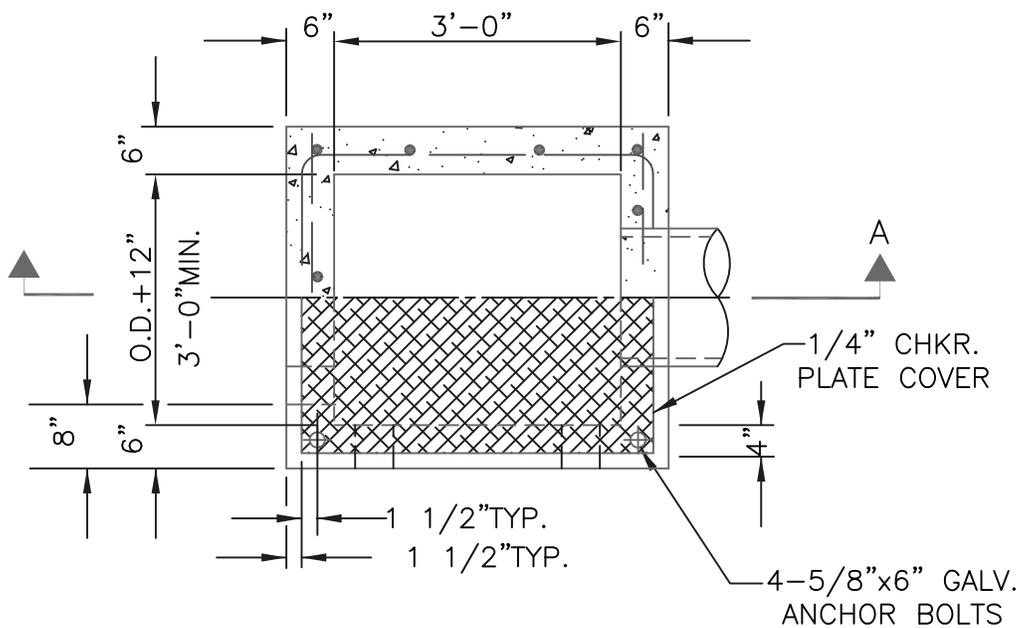
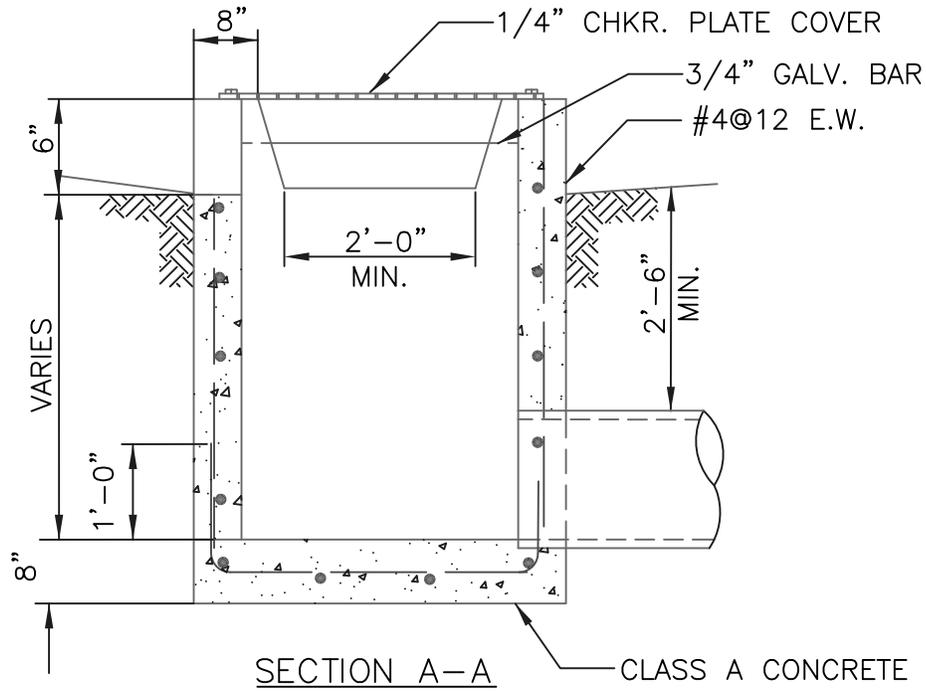
GRATING FRAME



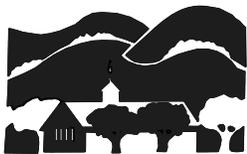
SECTION B



TITLE			STANDARD CATCH BASIN HARDWARE		
ADOPTED BY CITY COUNCIL DATE:		SCALE: NONE		STANDARD DETAIL	
12/07/2011		DATE: 11/18/2011		8	
		CHK: JMP			
26379 FREMONT ROAD, LOS ALTOS HILLS, CA 94022 • Phone: (650) 941-7222					



LOS ALTOS HILLS



CALIFORNIA

TITLE

DROP INLET TYPE 1

ADOPTED BY CITY COUNCIL DATE:

12/07/2011

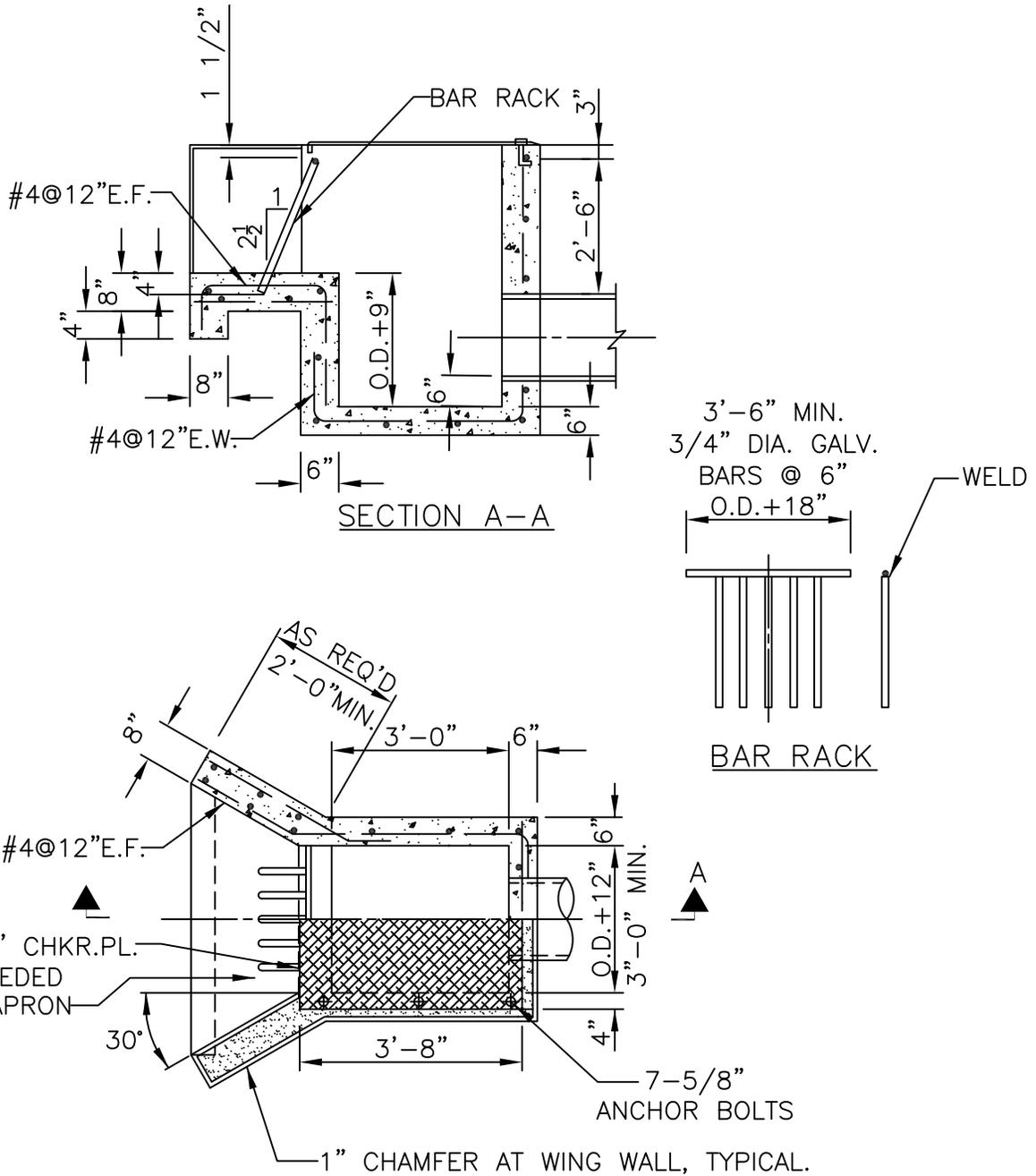
SCALE: NONE

DATE: 11/18/2011

CHK: JMP

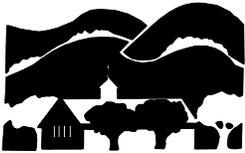
STANDARD DETAIL

9



**NOTE:**  
ALL CONCRETE CLASS A.

LOS ALTOS HILLS



CALIFORNIA

TITLE

DROP INLET TYPE 2

ADOPTED BY CITY COUNCIL DATE:

12/07/2011

SCALE: NONE

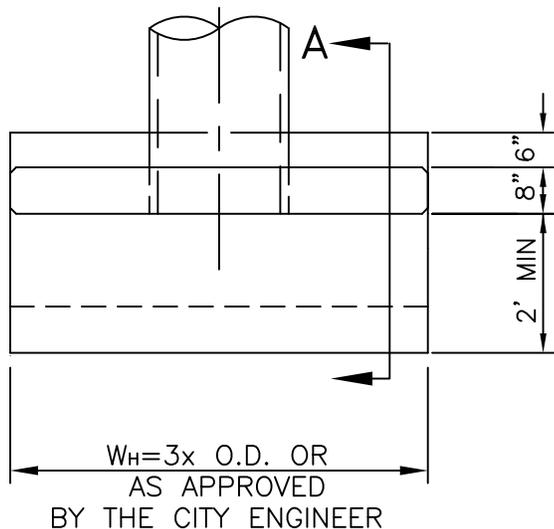
DATE: 11/18/2011

CHK: JMP

STANDARD DETAIL

10

26379 FREMONT ROAD, LOS ALTOS HILLS, CA 94022 • Phone: (650) 941-7222

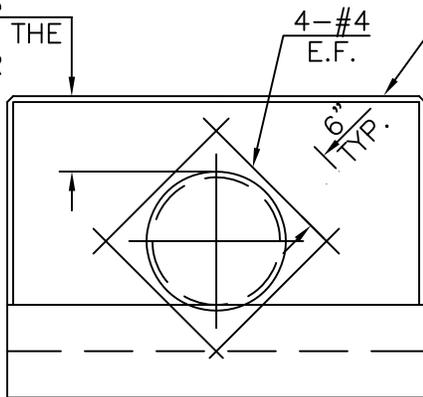


**LEGEND**

- E.F. EACH FACE
- E.W. EACH WAY
- H<sub>F</sub> HEIGHT OF FREEBOARD
- MAX. MAXIMUM
- MIN. MINIMUM
- TYP. TYPICAL
- O.D. OUTSIDE DIAMETER
- W<sub>H</sub> WIDTH OF HEADWALL

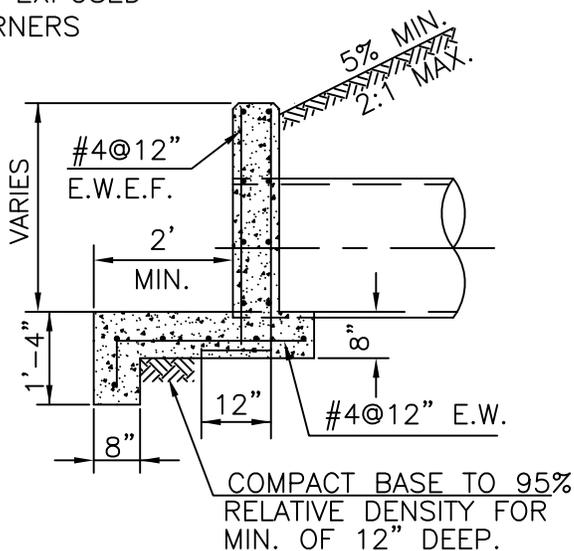
PLAN

H<sub>F</sub>=12" OR AS APPROVED BY THE CITY ENGINEER



1" CHAMFER ALL EXPOSED CORNERS

ELEVATION

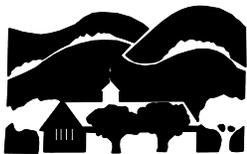


SECTION A

**NOTES:**

1. ALL CONCRETE TO BE CLASS "A" IN ACCORDANCE WITH SECTION 90, OF STATE STANDARD SPECIFICATIONS.
2. BAR REINFORCEMENT SHALL CONFORM TO SEC. 52 OF STATE STANDARD SPECIFICATIONS. MIN. 2" CLEAR FROM FACE OF CONCRETE. VERTICAL LAP SPLICE, 18" MIN.

**LOS ALTOS HILLS**



**CALIFORNIA**

TITLE

**HEADWALL TYPE "A"**

ADOPTED BY CITY COUNCIL DATE:

12/07/2011

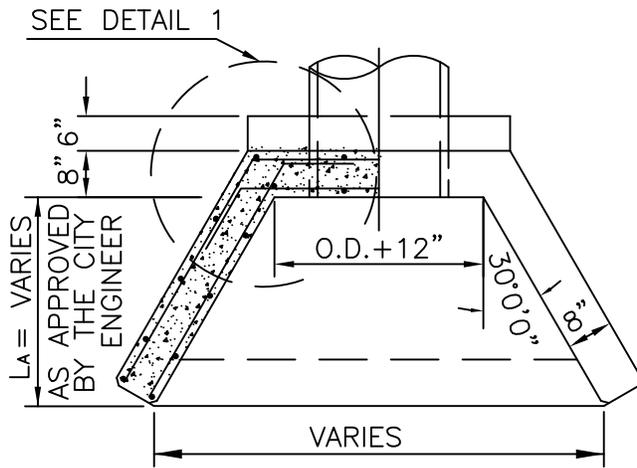
SCALE: NONE

DATE: 11/18/2011

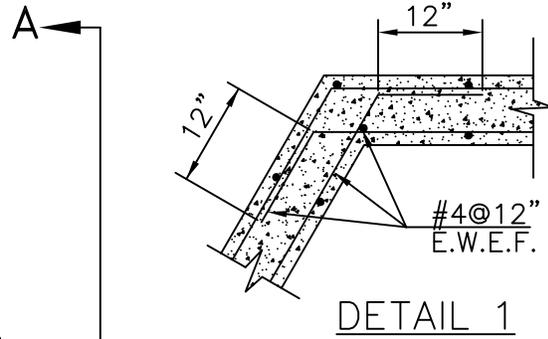
CHK: JMP

STANDARD DETAIL

11

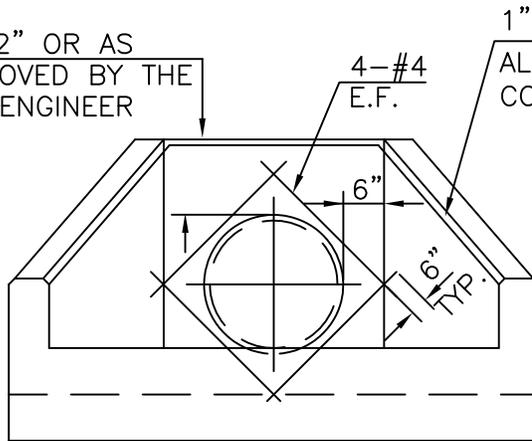


PLAN

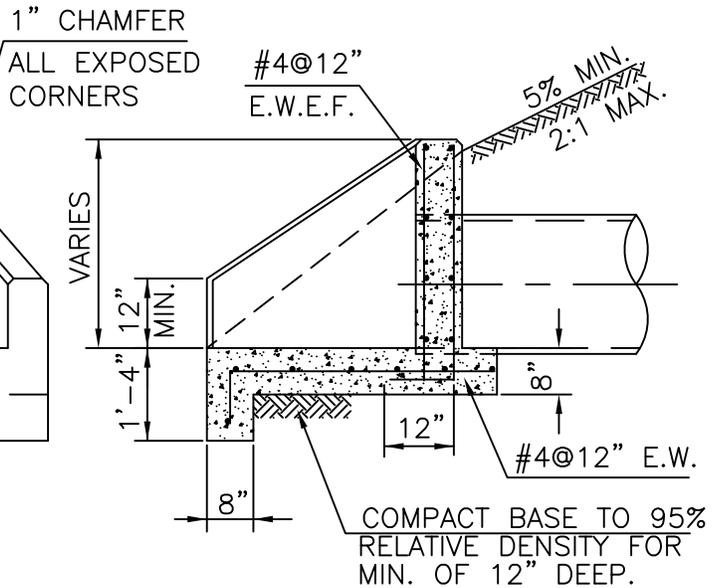


DETAIL 1

H<sub>F</sub>=12" OR AS APPROVED BY THE CITY ENGINEER



ELEVATION



SECTION A

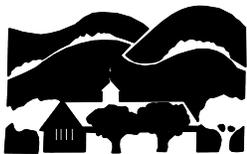
**LEGEND**

- E.F. EACH FACE
- E.W. EACH WAY
- H<sub>F</sub> HEIGHT OF FREEBOARD
- L<sub>A</sub> LENGTH OF APRON
- MAX. MAXIMUM
- MIN. MINIMUM
- O.D. OUTSIDE DIAMETER
- TYP. TYPICAL

**NOTES:**

1. ALL CONCRETE TO BE CLASS "A" IN ACCORDANCE WITH SECTION 90, OF STATE STANDARD SPECIFICATIONS.
2. BAR REINFORCEMENT SHALL CONFORM TO SEC. 52 OF STATE STANDARD SPECIFICATIONS. MIN. 2" CLEAR FROM FACE OF CONCRETE. VERTICAL LAP SPLICE, 18"MIN.

LOS ALTOS HILLS



CALIFORNIA

TITLE

HEADWALL TYPE "B"

ADOPTED BY CITY COUNCIL DATE:

12/07/2011

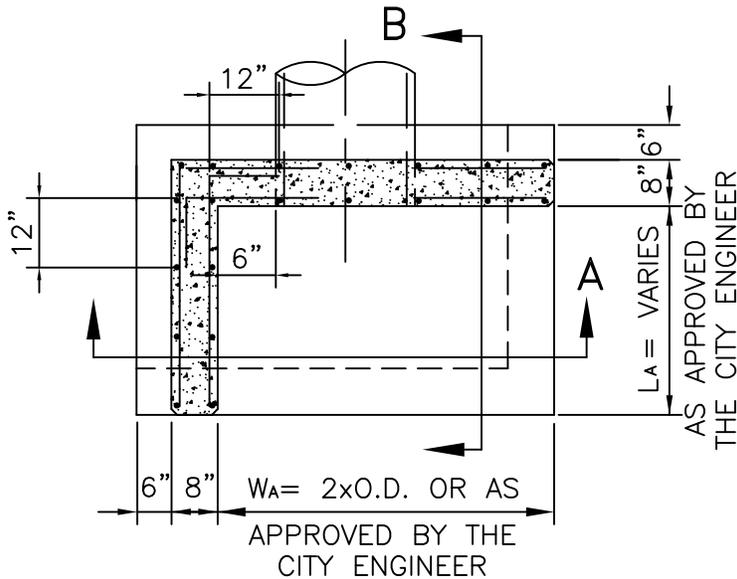
SCALE: NONE

DATE: 11/18/2011

CHK: JMP

STANDARD DETAIL

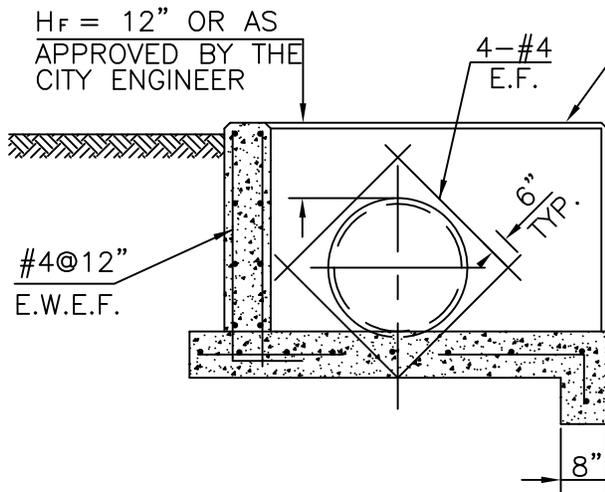
12



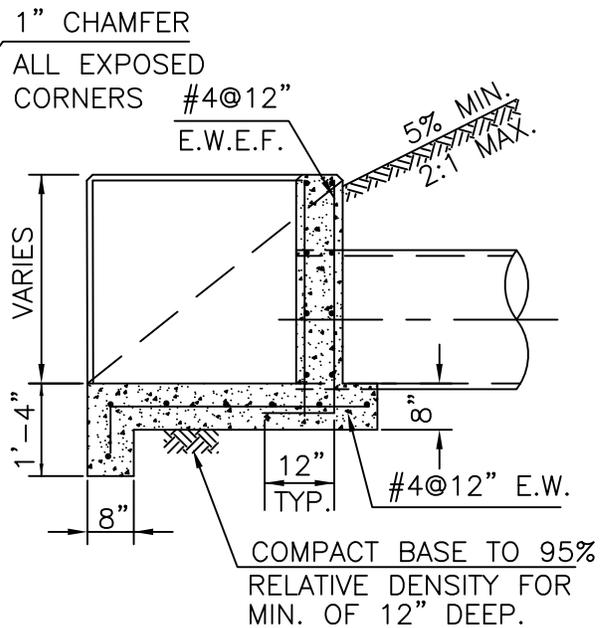
**LEGEND**

- E.F. EACH FACE
- E.W. EACH WAY
- H<sub>F</sub> HEIGHT OF FREEBOARD
- L<sub>A</sub> LENGTH OF APRON
- MAX. MAXIMUM
- MIN. MINIMUM
- O.D. OUTSIDE DIAMETER
- TYP. TYPICAL
- WA WIDTH OF APRON

PLAN



SECTION A

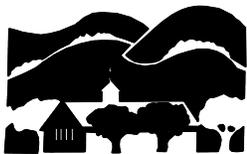


SECTION B

**NOTES:**

1. ALL CONCRETE TO BE CLASS "A" IN ACCORDANCE WITH SECTION 90, OF STATE STANDARD SPECIFICATIONS.
2. BAR REINFORCEMENT SHALL CONFORM TO SEC. 52 OF STATE STANDARD SPECIFICATIONS. MIN. 2" CLEAR FROM FACE OF CONCRETE. VERTICAL LAP SPLICE, 18" MIN.

LOS ALTOS HILLS



CALIFORNIA

TITLE

HEADWALL TYPE "C"

ADOPTED BY CITY COUNCIL DATE:

12/07/2011

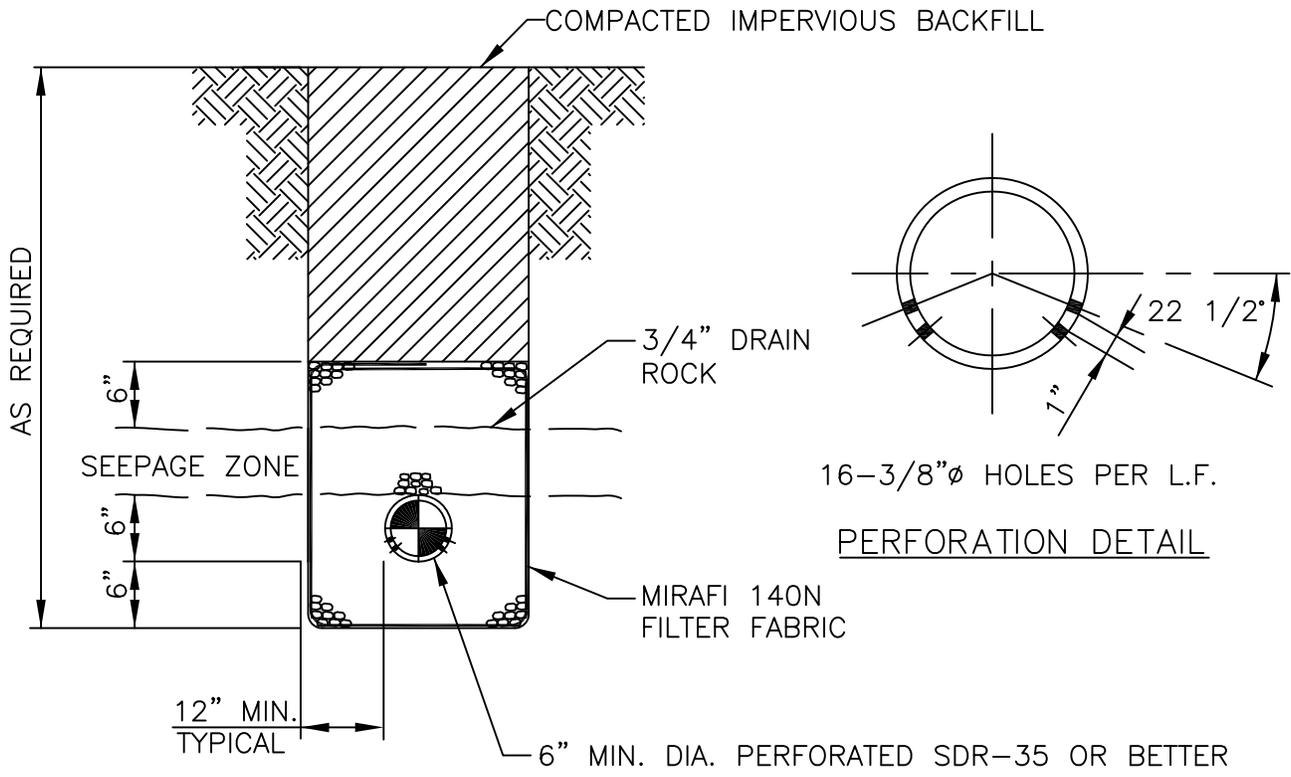
SCALE: NONE

DATE: 11/18/2011

CHK: JMP

STANDARD DETAIL

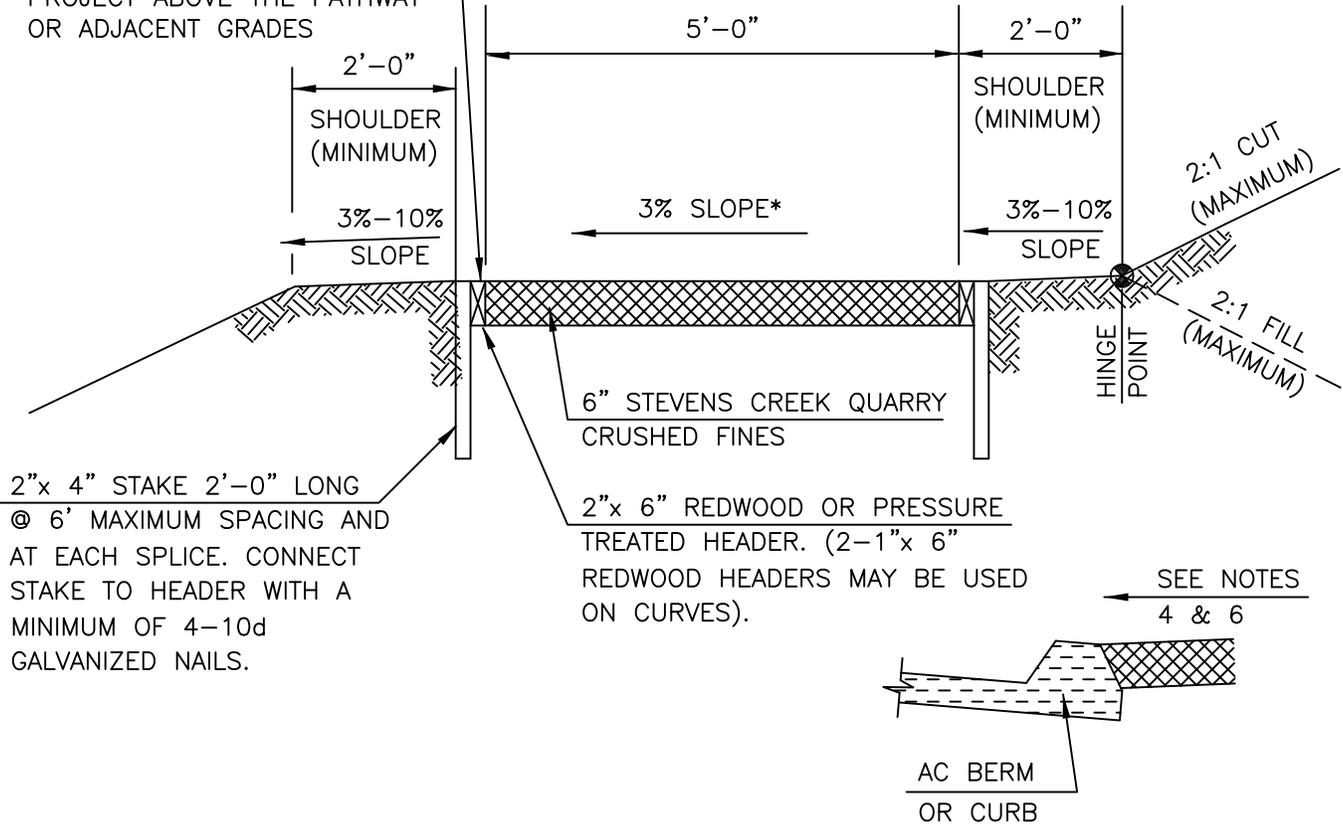
13



TITLE		STANDARD SUBDRAIN	
ADOPTED BY CITY COUNCIL DATE:	SCALE: NONE	STANDARD DETAIL	
12/07/2011	DATE: 11/18/2011	14	
	CHK: JMP		
26379 FREMONT ROAD, LOS ALTOS HILLS, CA 94022 • Phone: (650) 941-7222			

HEADER BOARDS SHALL NOT

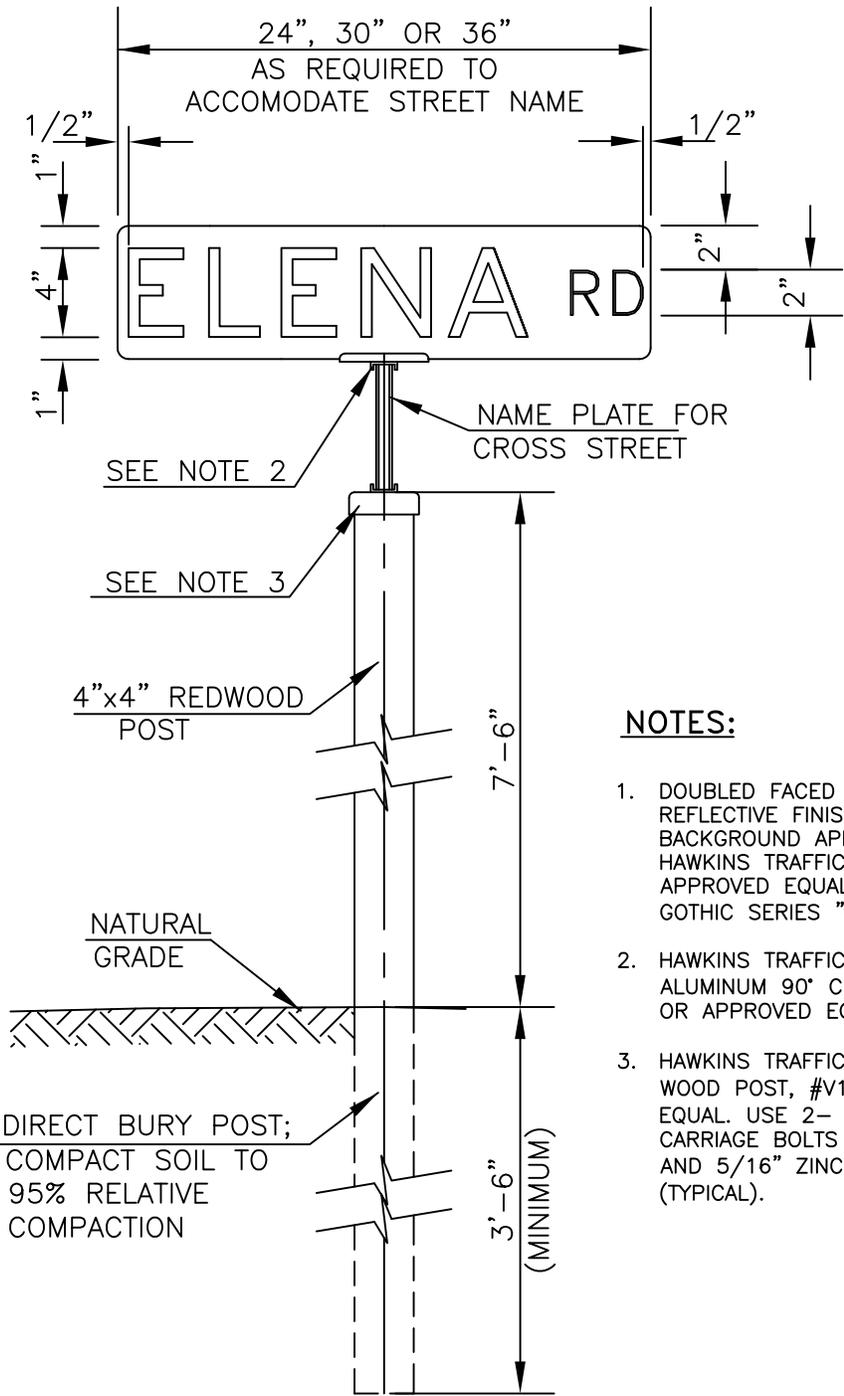
PROJECT ABOVE THE PATHWAY  
OR ADJACENT GRADES



**NOTES:**

1. PATHWAY MATERIAL AND SHOULDERS SHALL BE COMPACTED TO 95% RELATIVE DENSITY.
2. IRRIGATION SYSTEMS SHALL NOT BE LOCATED CLOSER THAN 3 FEET TO A PATHWAY. NO IRRIGATION WATER MAY BE DIRECTED TOWARD OR ON THE PATHWAY.
3. TREES AND SHRUBS SHALL NOT BE PLANTED CLOSER THAN 5 FEET TO A PATHWAY. GROUND COVER MAY NOT BE PLANTED CLOSER THAN 3 FEET FROM A PATHWAY.
- \*4. 5% MAXIMUM IF APPROVED BY THE CITY ENGINEER. PATHWAY AND SHOULDER CROSS SLOPES SHALL DRAIN TOWARD OR AWAY FROM THE ADJACENT ROAD AS APPROVED BY THE CITY ENGINEER.
5. UTILITY BOXES, SERVICE METERS, MANHOLES, MAIL BOXES, FIRE HYDRANTS AND ALL OTHER OBSTRUCTIONS SHALL NOT BE ALLOWED WITHIN THE PATHWAY. PATHWAYS MAY MEANDER AROUND EXISTING UTILITY POLES, FIRE HYDRANTS AND MAIL BOXES WHERE FEASIBLE.
6. HEADER BOARDS MAY BE OMITTED ON THE SIDE OF THE PATHWAY IMMEDIATELY ADJACENT TO BERM AND CURBS.
7. SEE STANDARD DETAIL #21 FOR WATER BAR INSTALLATION.

	TITLE		ROADSIDE PATH TYPE (2B)	
	ADOPTED BY CITY COUNCIL DATE:	SCALE: NONE	STANDARD DETAIL <b>15</b>	
	12/07/2011	DATE: 11/18/2011		
	CHK: JMP	26379 FREMONT ROAD, LOS ALTOS HILLS, CA 94022 • Phone: (650) 941-7222		

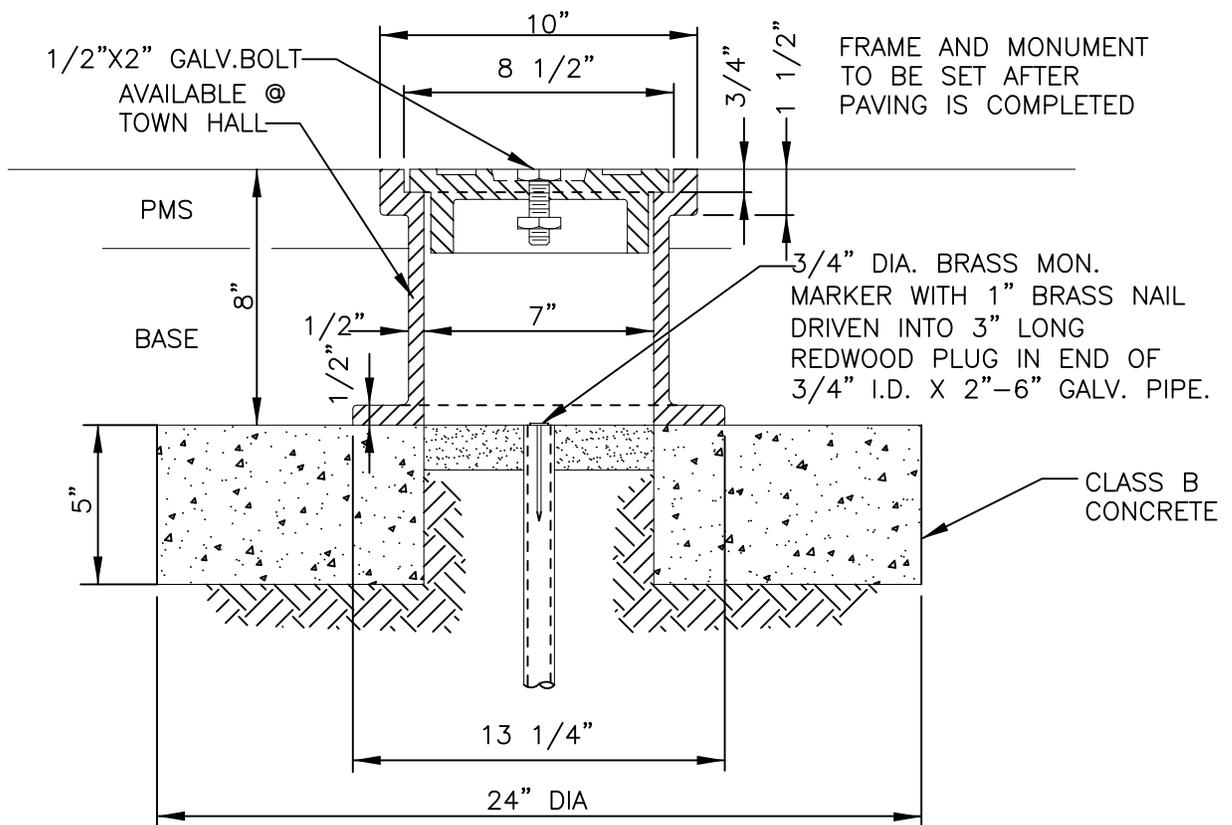
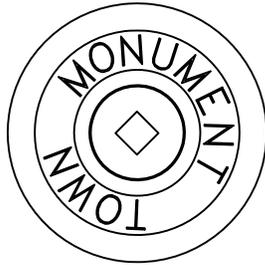


**NOTES:**

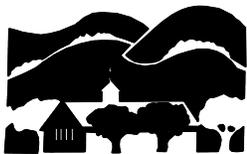
1. DOUBLED FACED STREET NAME PLATES WITH REFLECTIVE FINISH AND SILVER LEGEND ON GREEN BACKGROUND APPLIED TO 0.060 ALUMINUM BACKING. HAWKINS TRAFFIC SAFETY SUPPLY FORMAT SM-C9, OR APPROVED EQUAL LETTERING SHALL BE UPPERCASE GOTHIC SERIES "C".
2. HAWKINS TRAFFIC SAFETY SUPPLY HEAVY DUTY ALUMINUM 90° CROSS PIECE #14F-(HD)VP-105(90) OR APPROVED EQUAL.
3. HAWKINS TRAFFIC SAFETY SUPPLY CAP TO FIT 4"x4" WOOD POST, #V14F-(HD)VP-4WPC OR APPROVED EQUAL. USE 2- 5/16"x 4 1/2" ZINC PLATED STEEL CARRIAGE BOLTS WITH NYLON WASHER, ADAPTOR RING AND 5/16" ZINC DIE CAST TAMPERPROOF NUTS (TYPICAL).



TITLE			STREET NAME SIGN		
ADOPTED BY CITY COUNCIL DATE:		SCALE: NONE		STANDARD DETAIL  16	
12/07/2011		DATE: 11/18/2011			
		CHK: JMP			
26379 FREMONT ROAD, LOS ALTOS HILLS, CA 94022 • Phone: (650) 941-7222					



LOS ALTOS HILLS



CALIFORNIA

TITLE

STREET MONUMENT

ADOPTED BY CITY COUNCIL DATE:

12/07/2011

SCALE: NONE

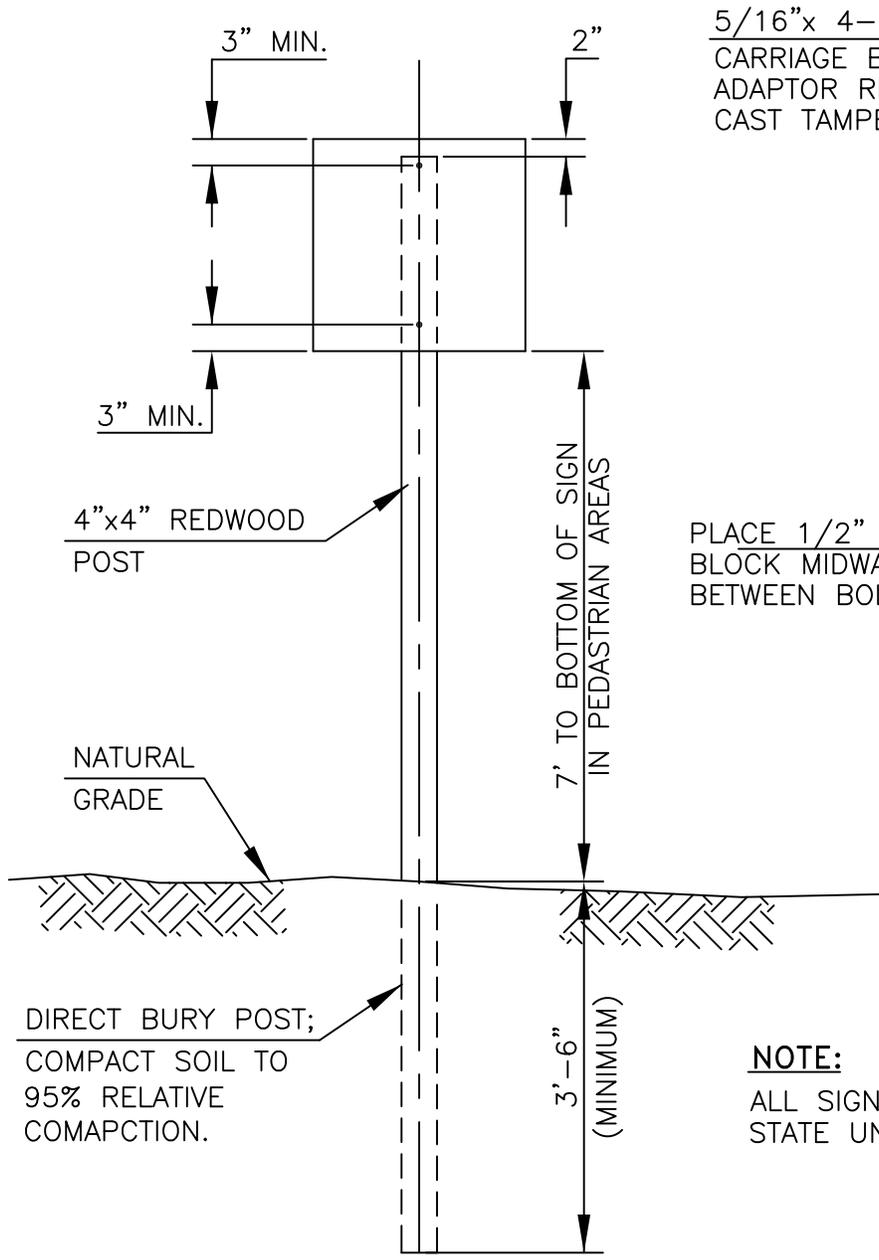
DATE: 11/18/2011

CHK: JMP

STANDARD DETAIL

17





5/16"x 4-1/2" ZINC PLATED STEEL  
 CARRIAGE BOLT WITH NYLON WASHER,  
 ADAPTOR RING AND 5/16" ZINC DIE  
 CAST TAMPERPROOF NUT (TYPICAL)

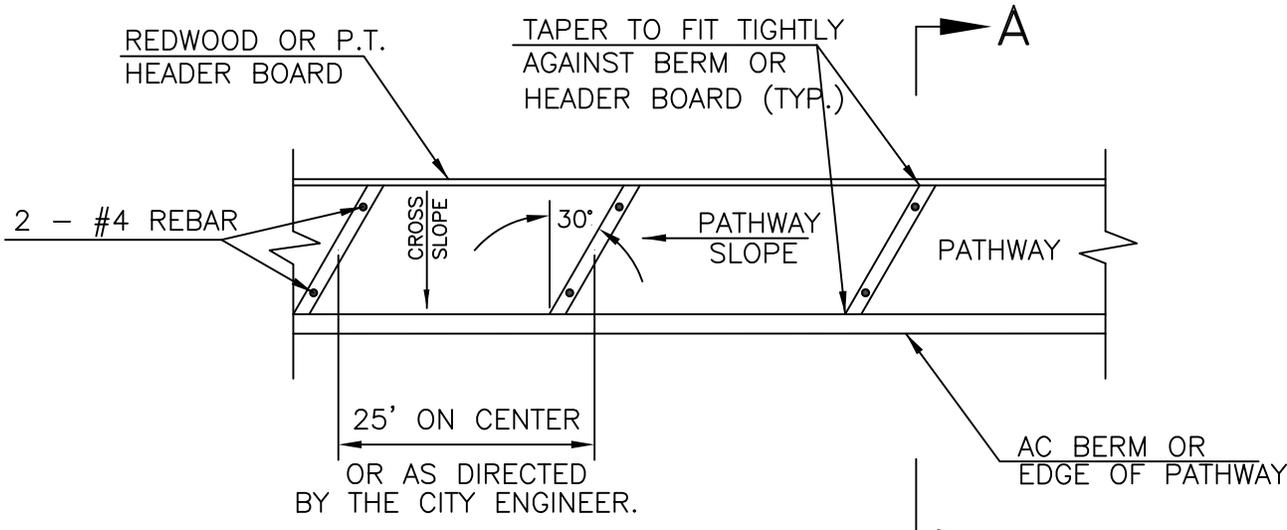
PLACE 1/2" WOOD  
 BLOCK MIDWAY  
 BETWEEN BOLTS

**NOTE:**  
 ALL SIGNS SHALL CONFORM WITH  
 STATE UNIFORM SIGN CHART.

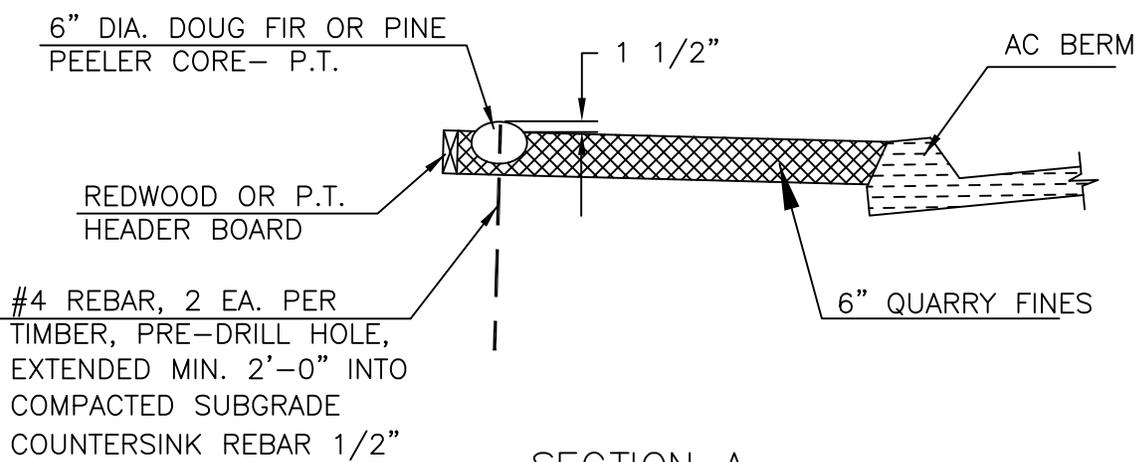


TITLE		STREET SIGN	
ADOPTED BY CITY COUNCIL DATE:  12/07/2011	SCALE: NONE	STANDARD DETAIL  19	
	DATE: 11/18/2011		
	CHK: JMP		
26379 FREMONT ROAD, LOS ALTOS HILLS, CA 94022 • Phone: (650) 941-7222			





PLAN



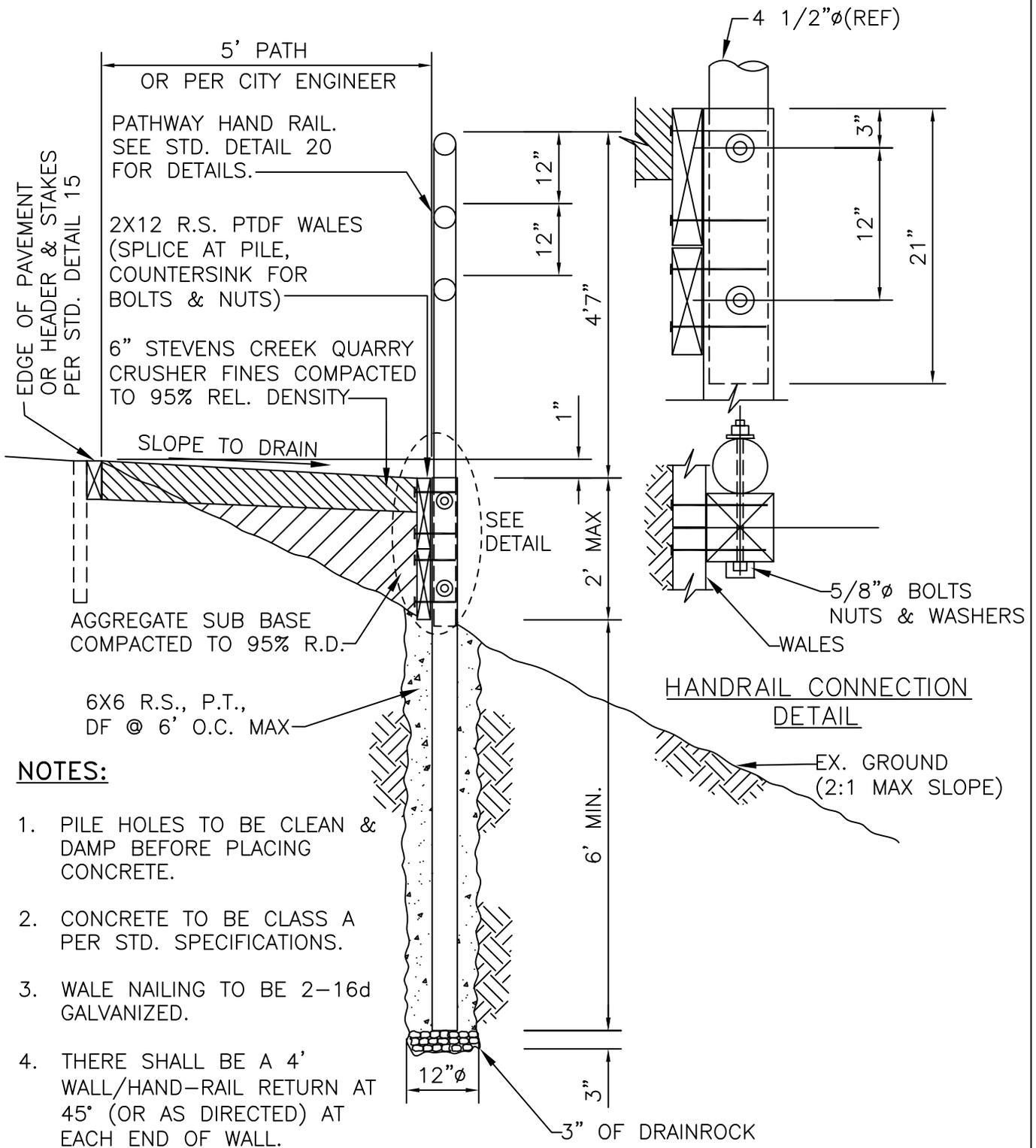
SECTION A

**LEGEND**

- P.T. PRESSURE TREATED
- TYP. TYPICAL
- DIA. DIAMETER
- EA. EACH
- AC ASPHALT CONCRETE



TITLE			PATHWAY WATER BAR		
ADOPTED BY CITY COUNCIL DATE:		SCALE: NONE	STANDARD DETAIL  <b>21</b>		
12/07/2011		DATE: 11/18/2011			
		CHK: JMP			
26379 FREMONT ROAD, LOS ALTOS HILLS, CA 94022 • Phone: (650) 941-7222					



**NOTES:**

1. PILE HOLES TO BE CLEAN & DAMP BEFORE PLACING CONCRETE.
2. CONCRETE TO BE CLASS A PER STD. SPECIFICATIONS.
3. WALE NAILING TO BE 2-16d GALVANIZED.
4. THERE SHALL BE A 4' WALL/HAND-RAIL RETURN AT 45° (OR AS DIRECTED) AT EACH END OF WALL.

**LOS ALTOS HILLS**



**CALIFORNIA**

TITLE

**PATHWAY RETAINING WALL AND HANDRAIL**

ADOPTED BY CITY COUNCIL DATE:

12/07/2011

SCALE: NONE

DATE: 11/18/2011

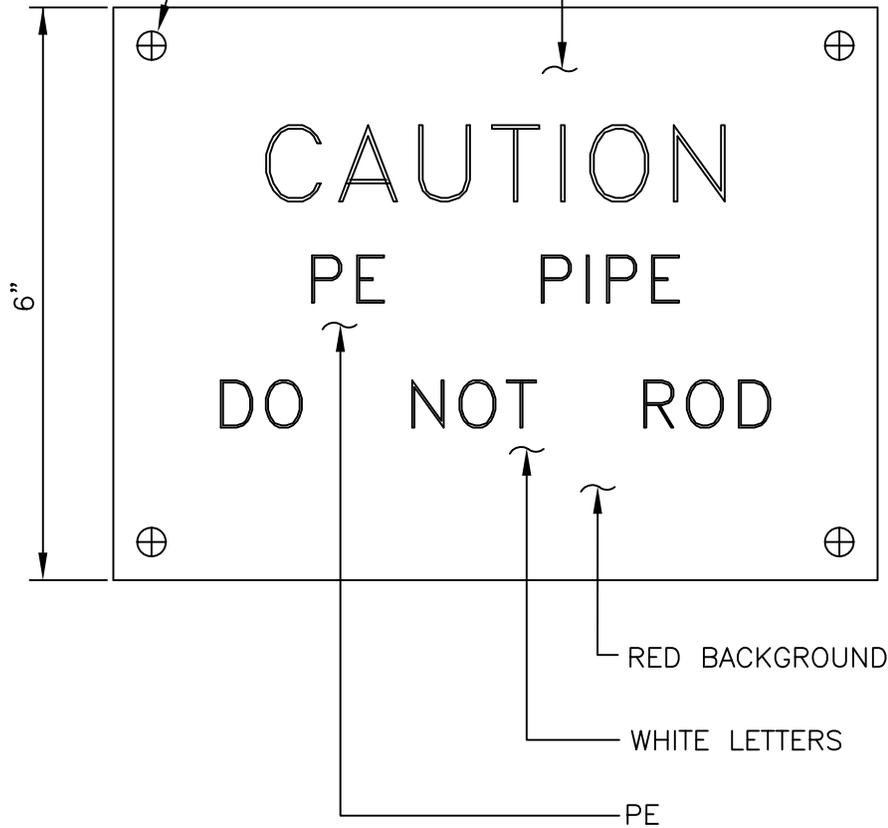
CHK: JMP

STANDARD DETAIL

22

1/4" DIA. HOLES W/STAINLESS  
STEEL ANCHOR BOLTS

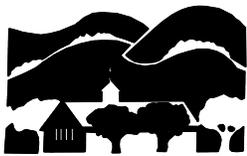
6" WIDE X 8" LONG SEMIRIGID SIGN  
MADE OF CELLULOSE ACETATE  
BUTERATE



**NOTE:**

CAUTION SIGN MUST BE INSTALLED INSIDE SANITARY SEWER MANHOLE WHEN PE/PVC PIPE IS USED AND SHALL BE LOCATED AT 12" BELOW THE MANHOLE GRADE RING.

LOS ALTOS HILLS



CALIFORNIA

TITLE

PLASTIC PIPE MANHOLE SIGN

ADOPTED BY CITY COUNCIL DATE:

12/07/2011

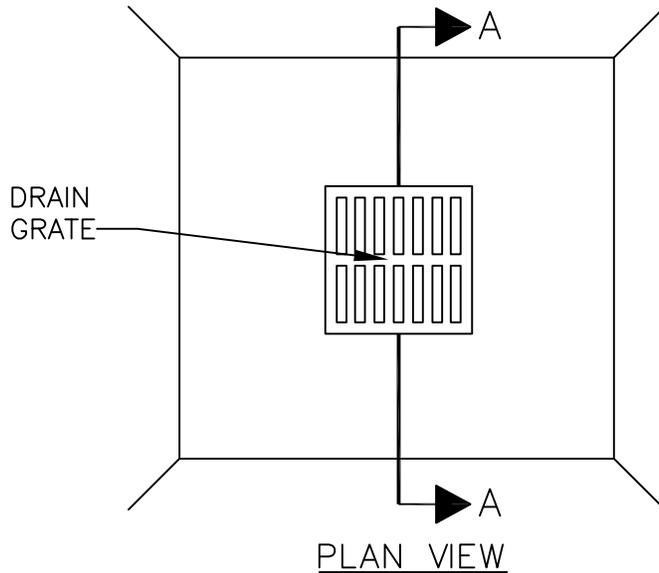
SCALE: NONE

DATE: 11/18/2011

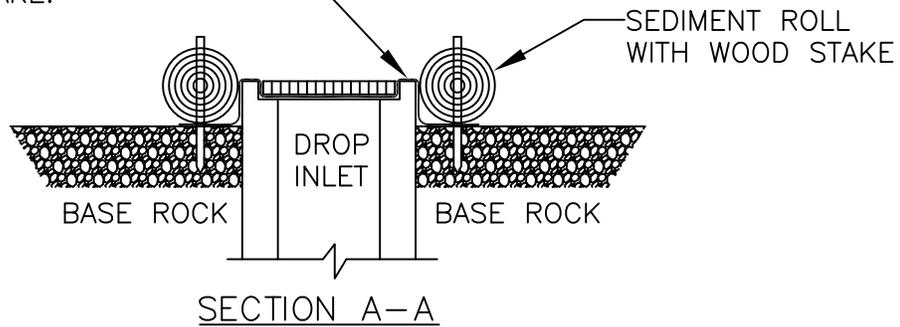
CHK: JMP

STANDARD DETAIL

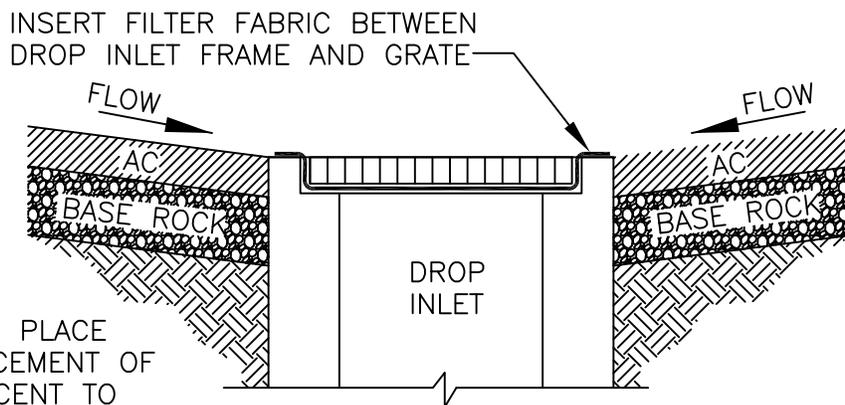
23



INSERT FILTER FABRIC SECURELY UNDER SEDIMENT ROLLS AND BETWEEN DROP INLET FRAME AND GRATE, OVERLAPPING FABRIC TO NEXT STAKE.

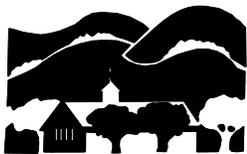


SEDIMENT ROLL DROP INLET SEDIMENT BARRIER



NOTE: TO BE IN PLACE FOLLOWING PLACEMENT OF PAVEMENT ADJACENT TO DROP INLET.

LOS ALTOS HILLS



CALIFORNIA

TITLE  
**FILTER FABRIC DROP INLET SEDIMENT BARRIER**

ADOPTED BY CITY COUNCIL DATE:

12/07/2011

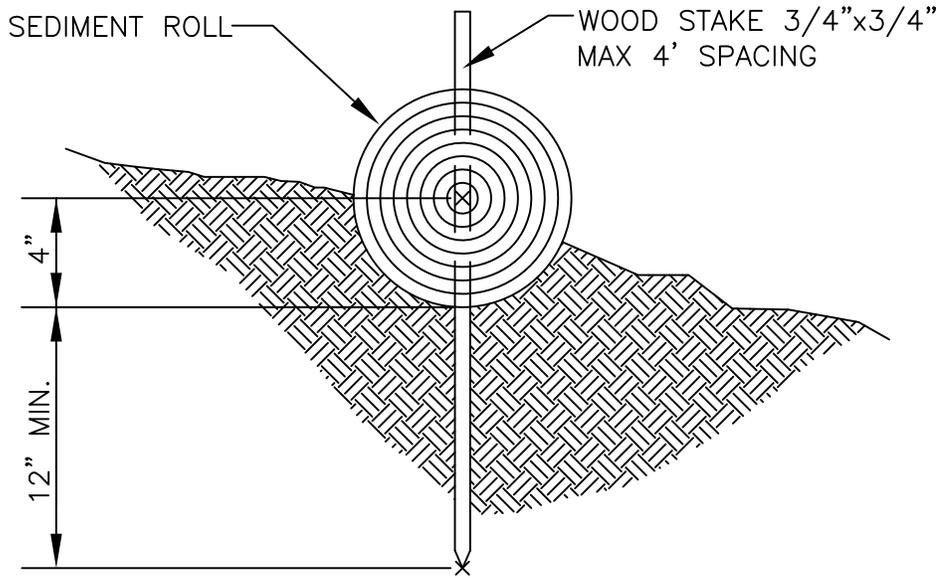
SCALE: NONE

DATE: 11/18/2011

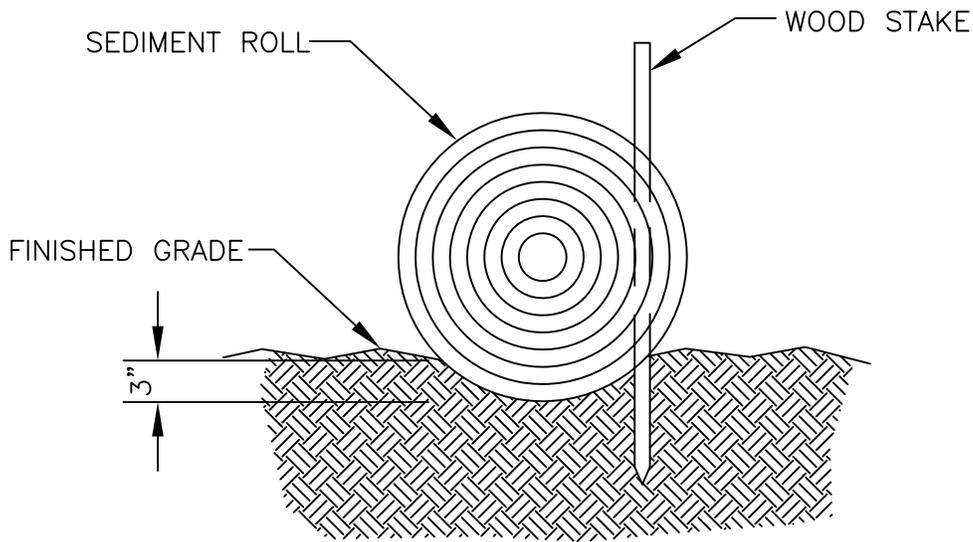
CHK: JMP

STANDARD DETAIL

24

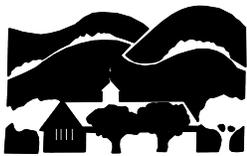


ENTRENCHMENT DETAIL IN SLOPE AREA  
N.T.S.



ENTRENCHMENT DETAIL IN FLAT AREA  
N.T.S.

LOS ALTOS HILLS



CALIFORNIA

TITLE

SEDIMENT ROLL DETAIL

ADOPTED BY CITY COUNCIL DATE:

12/07/2011

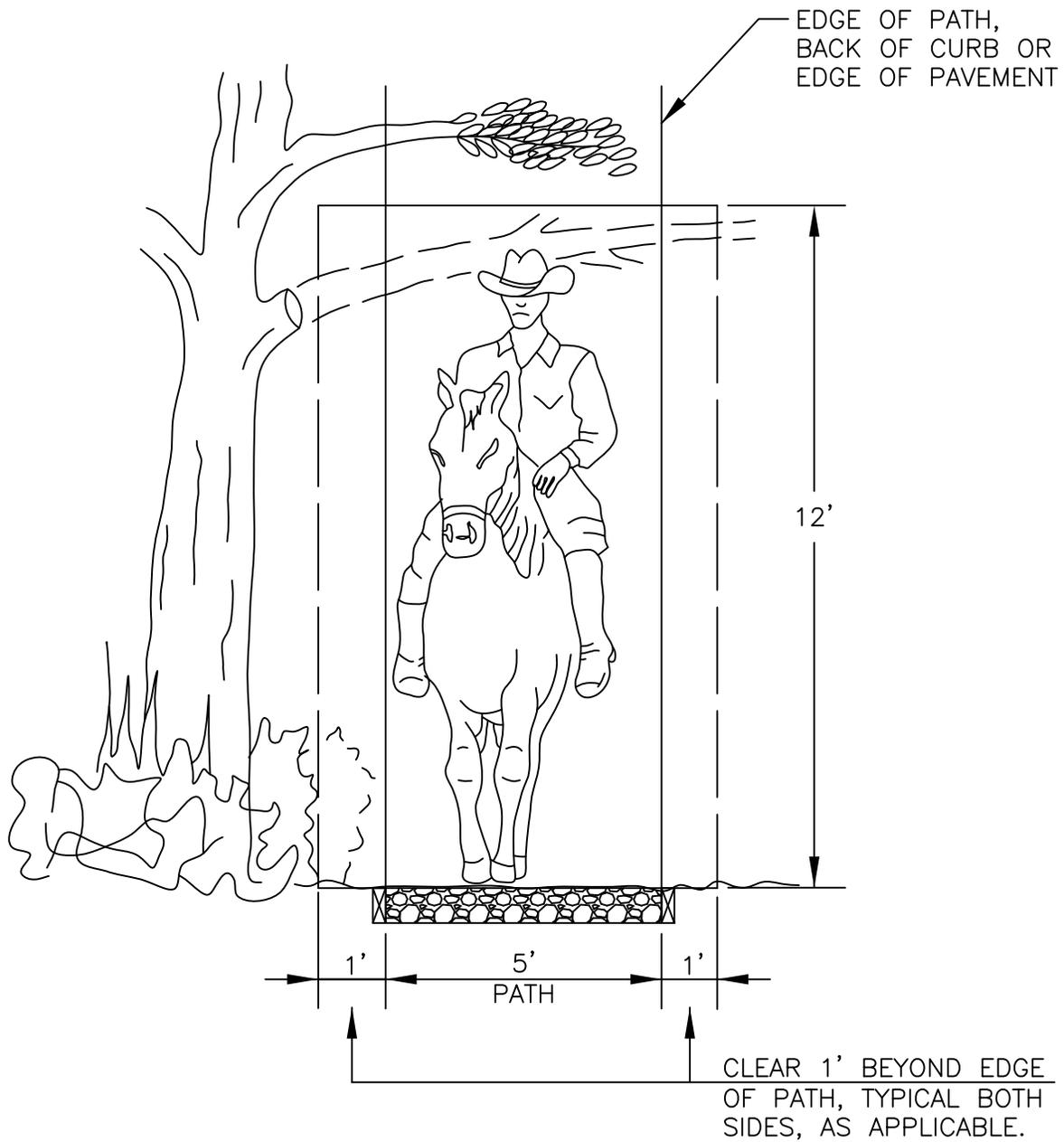
SCALE: NONE

DATE: 11/18/2011

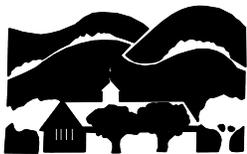
CHK: JMP

STANDARD DETAIL

25



LOS ALTOS HILLS



CALIFORNIA

TITLE

VEGETATION CLEARING FOR PATHWAY

ADOPTED BY CITY COUNCIL DATE:

12/07/2011

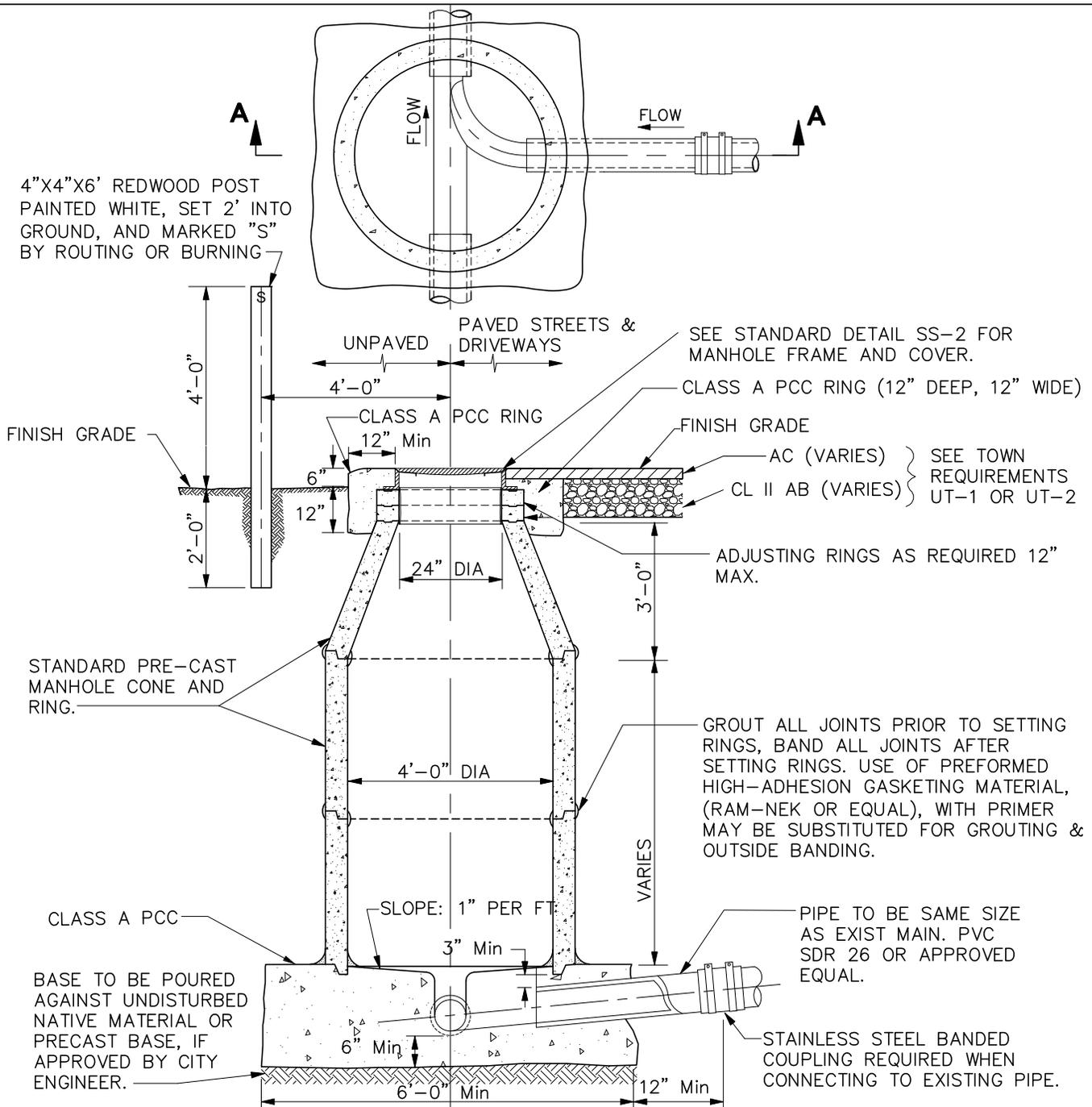
SCALE: NONE

DATE: 11/18/2011

CHK: JMP

STANDARD DETAIL

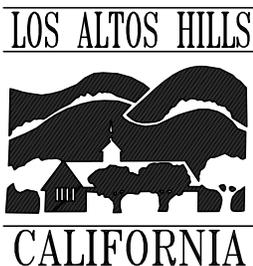
26



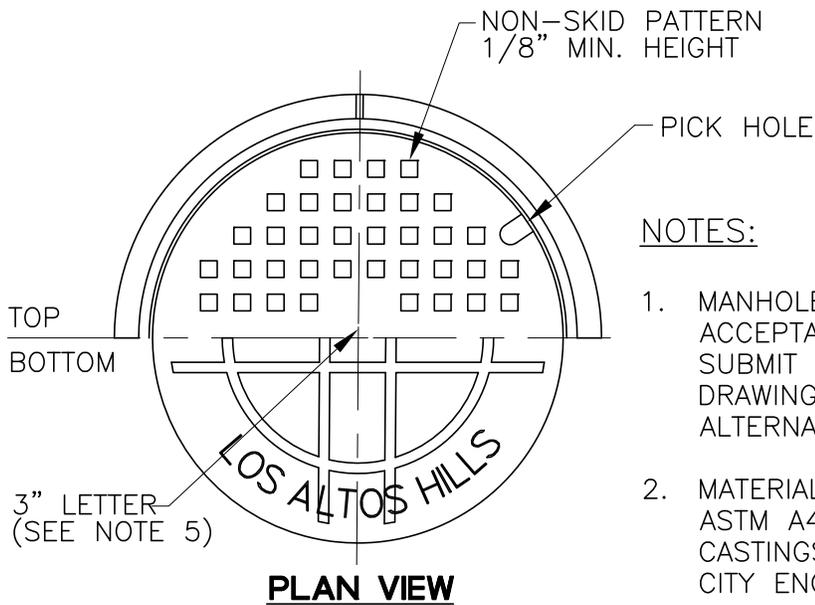
**SECTION A-A**

**NOTES:**

1. TERMINATE ALL PIPES FLUSH WITH INSIDE WALL OF MANHOLE.
2. CHANNELS TO BE FORMED TO APPROXIMATE WIDTH, SIZE AND SHAPE, OF PIPE AND FINISHED WITH GROUT. THICKNESS OF GROUT TO BE APPROXIMATELY ONE HALF INCH (1/2"). CONTINUE SLOPE OF PIPE THROUGH MANHOLE, 2% MINIMUM SLOPE.
3. WHEN FOUR (4) LINES COME INTO A MANHOLE, THE TWO LINES WHICH EMPTY INTO THE MAIN CHANNEL ARE TO BE STAGGERED AND NOT SET SO THEY WILL EMPTY IN AT THE SAME POINT.
4. ALL CONCRETE TO BE SIX (6) SACK.

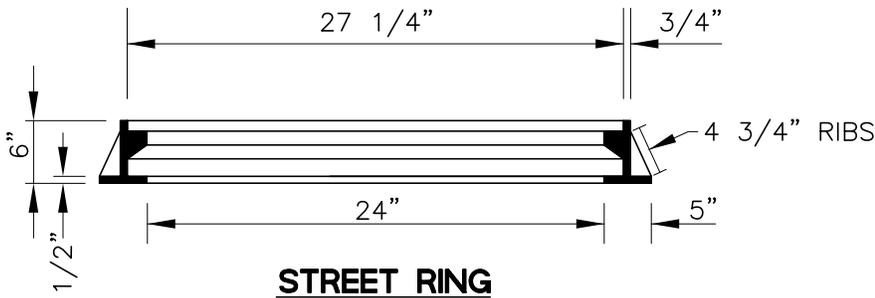
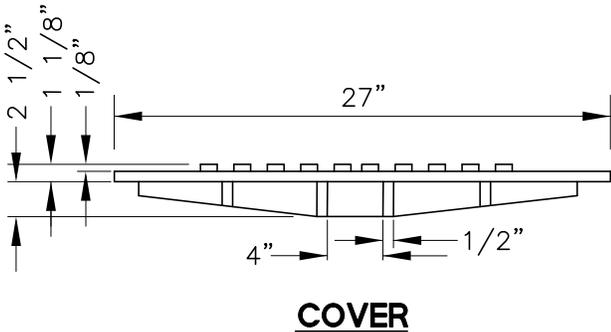


TITTLE			<b>SANITARY SEWER MANHOLE</b>		
ADOPTED BY CITY COUNCIL DATE:		SCALE: NONE	<b>SS-1</b>		
1/13/2011		DATE: 1/4/2011			
		CHK: RC			
26379 FREMONT ROAD, LOS ALTOS HILLS, CA 94022 • Phone: (650) 941-7222					



NOTES:

1. MANHOLE FRAME & COVER SHOWN ARE ACCEPTABLE CASTINGS. CONTRACTOR SHALL SUBMIT FOR APPROVAL COMPLETE DRAWINGS AND SPECIFICATIONS OF ALTERNATE CASTINGS PROPOSED.
2. MATERIAL SHALL BE GRAY CAST IRON PER ASTM A48 CLASS 35B. ALTERNATIVE CASTINGS SHALL BE APPROVED BY THE CITY ENGINEER.
3. STREET MANHOLE COVERS AND FRAMES SHALL BE DESIGNED TO SUPPORT A WHEEL LOAD OF 16,000 POUNDS PLUS 25% ALLOWANCE FOR IMPACT.
4. ALL BEARING SURFACES SHALL HAVE A MACHINED FIT.
5. COVERS SHALL BE INSCRIBED "LOS ALTOS HILLS" AND HAVE THE FOLLOWING LETTER DESIGNATIONS:  
S - SANITARY SEWER  
D - DRAINAGE  
NO LETTER - ALL OTHER USES



LOS ALTOS HILLS



CALIFORNIA

TITLE

MANHOLE FRAME AND COVER

ADOPTED BY CITY COUNCIL DATE:

1/13/2011

SCALE: NONE

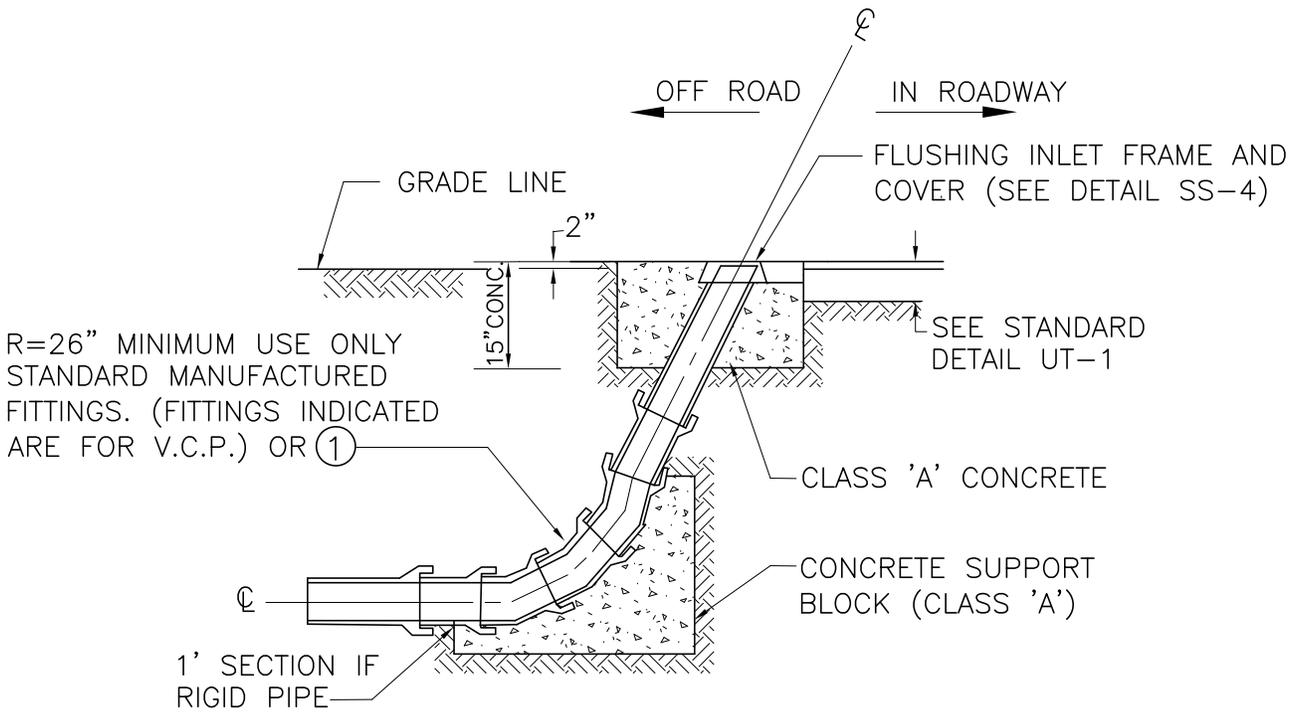
DATE: 1/4/2011

CHK: RC

STANDARD DETAIL

SS-2

26379 FREMONT ROAD, LOS ALTOS HILLS, CA 94022 • Phone: (650) 941-7222



LOS ALTOS HILLS



CALIFORNIA

TITLE

FLUSHING INLET

ADOPTED BY CITY COUNCIL DATE:

1/13/2011

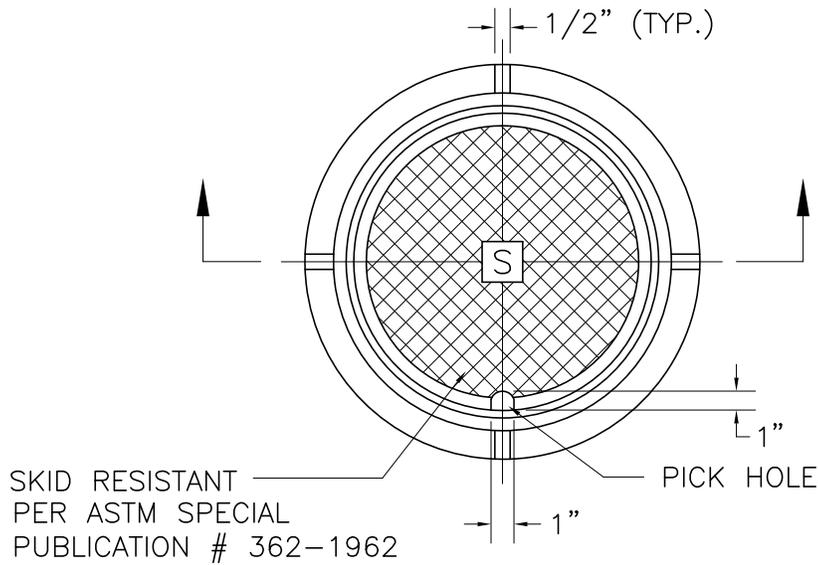
SCALE: NONE

DATE: 1/6/2011

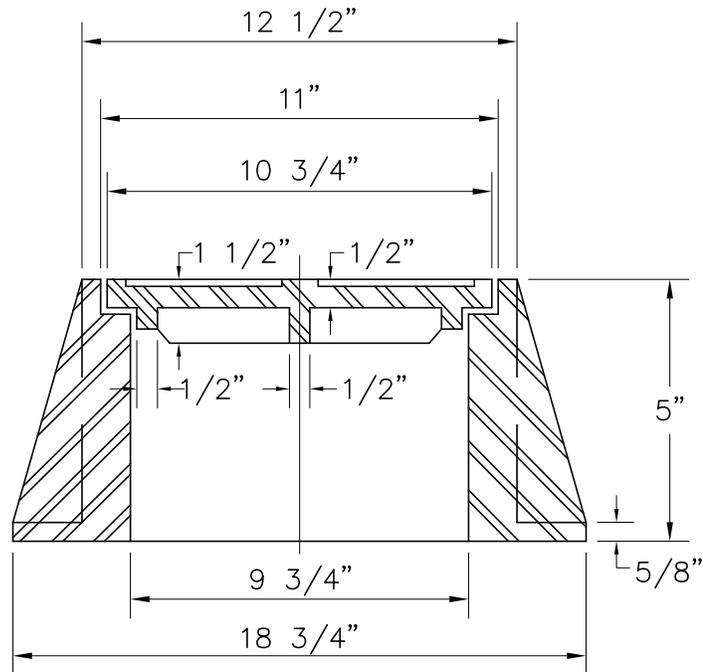
CHK: RC

STANDARD DETAIL

SS-3



\* ALL MATERIALS USED SHALL CONFORM TO ASTM SPEC.  
 A-159-64T-G3000 OR U.S. GOV'T SPEC. QQ1-653



LOS ALTOS HILLS



CALIFORNIA

TITLE

FLUSHING INLET FRAME AND COVER

ADOPTED BY CITY COUNCIL DATE:

1/13/2011

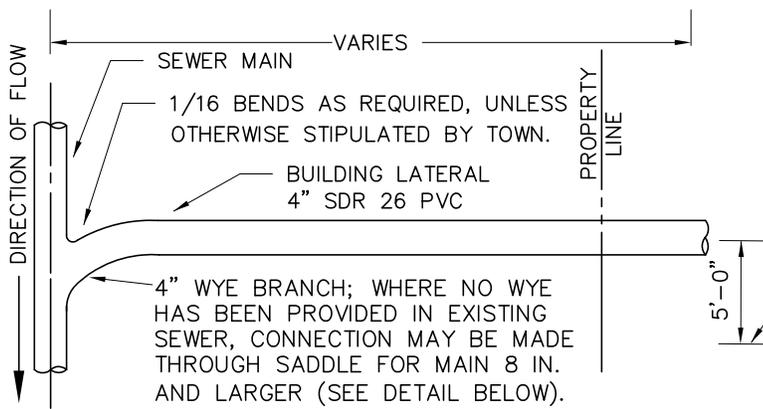
SCALE: NONE

DATE: 1/4/2011

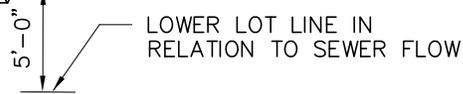
CHK: RC

STANDARD DETAIL

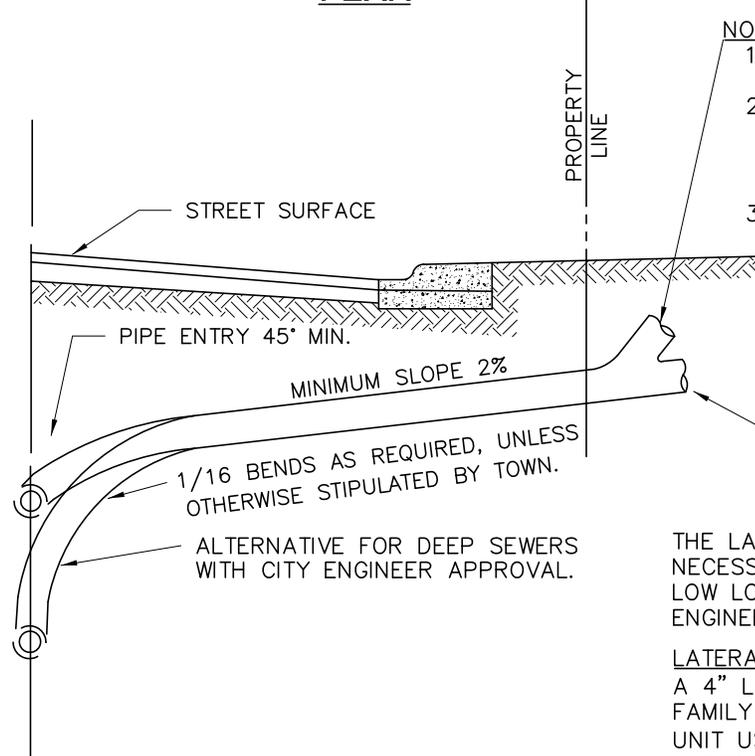
SS-4



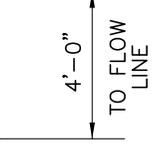
ON NEW CONSTRUCTION—LATERAL TO BE PLACED 5' FROM LOWER LOT LINE UNLESS OTHERWISE DIRECTED BY THE ENGINEER. THE WYE LATERAL AND PROPERTY LINE CLEAN OUT SHALL BE OF THE SAME MATERIAL



**PLAN**



- NOTE:
1. SEE TOWN OF LOS ALTOS HILLS CLEANOUT DETAIL SS-6.
  2. SEWER LATERAL LOCATION TO BE MARKED BY 4"X4"X4" REDWOOD POST (PAINTED WHITE), SET 2' INTO GROUND, AND MARKED "S" BY ROUTING OR BURNING.
  3. REFER TO STANDARD DETAILS UT-1 AND UT-2 FOR TRENCH BACKFILL REQUIREMENTS.



INSTALL STOPPER OR PLUG IF BUILDING LATERAL IS NOT CONNECTED AT THE SAME TIME

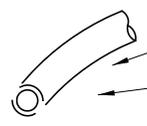
THE LATERAL SHALL BE LOWER WHERE NECESSARY TO SERVE EXISTING PLUMBING OR LOW LOTS OR WHEN DIRECTED BY THE ENGINEER.

LATERAL SIZES

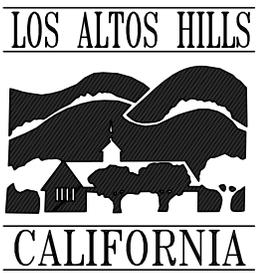
A 4" LATERAL CAN BE USED FOR A SINGLE FAMILY RESIDENCE OR A SFR WITH A SECOND UNIT USING "WYE" CONNECTION. A MINIMUM 6" LATERAL SHALL BE USED FOR ALL OTHER DEVELOPMENTS.

**PROFILE**

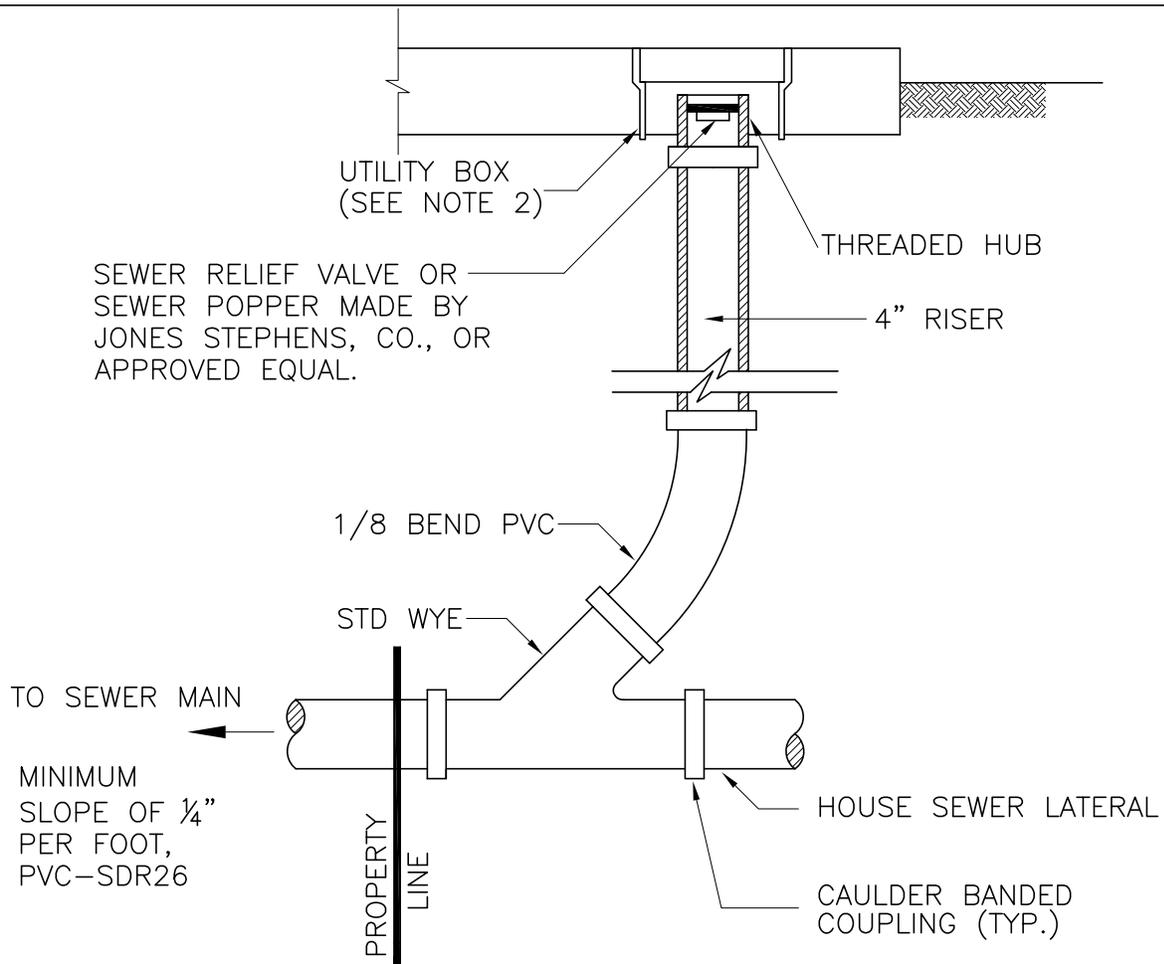
METHOD OF ATTACHING LATERAL TO EXISTING SEWER WHERE NO WYE HAS BEEN PROVIDED



- EXISTING MAIN < 8": FOR MEANS BY WHICH CONNECTION IS TO BE MADE TO MAIN LINE SEE DETAIL SS-7.
- EXISTING MAIN 10"-18": CONNECTION BY MEANS OF AN APPROVED SADDLE "TEE".
- EXISTING MAIN >18": CONNECTION SHALL BE AT A MANHOLE UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER.
- CONNECTIONS TO TOWN MAIN REQUIRED AN INSPECTION BY PUBLIC WORKS.



TITLE		SANITARY SEWER LATERAL	
ADOPTED BY CITY COUNCIL DATE:  1/13/2011	SCALE: NONE	STANDARD DETAIL  <b>SS-5</b>	
	DATE: 1/6/2011		
	CHK: RC		
26379 FREMONT ROAD, LOS ALTOS HILLS, CA 94022 • Phone: (650) 941-7222			



**NOTE:**

1. SEWER LATERAL FROM THE HOUSE SHALL BE CONSTRUCTED PER BUILDING DEPARTMENT REQUIREMENTS.
2. IN DRIVEWAY OR PLANTED AREA, USE CHRISTY TYPE G5 TRAFFIC BOX WITH G5C LID OR EQUAL. LID SHALL CONTAIN THE LETTERS "SEWER".
3. WHEN INSTALLED IN PLANTED AREAS, CLEANOUT BOX SHALL BE SET A MINIMUM OF 1-1/2" ABOVE GRADE.
4. OWNER IS RESPONSIBLE FOR MAINTENANCE, REPAIR, AND REPLACE OF LATERAL, FROM THE BUILDING TO THE MAIN CONNECTION INCLUDING THE WYE AT THE MAIN, SEWER RELIEVE VALVE AND BACKFLOW PREVENTOR.
5. INSTALL BACKFLOW PREVENTOR "CLEAN CHECK" EXTENDABLE BACKWATER VALVE, OR APPROVED EQUAL, UPSTREAM OF PROPERTY LINE CLEANOUT.

**LOS ALTOS HILLS**



**CALIFORNIA**

TITLE

**VERTICAL SEWER LATERAL CLEANOUT**

ADOPTED BY CITY COUNCIL DATE:

1/13/2011

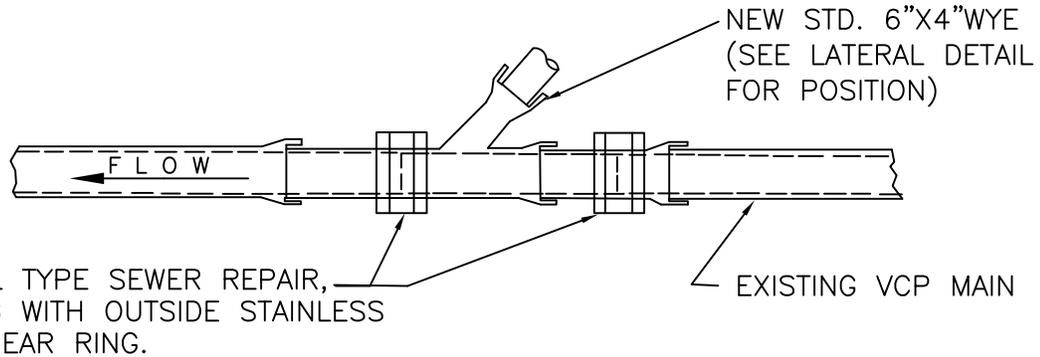
SCALE: NONE

DATE: 1/6/2011

CHK: RC

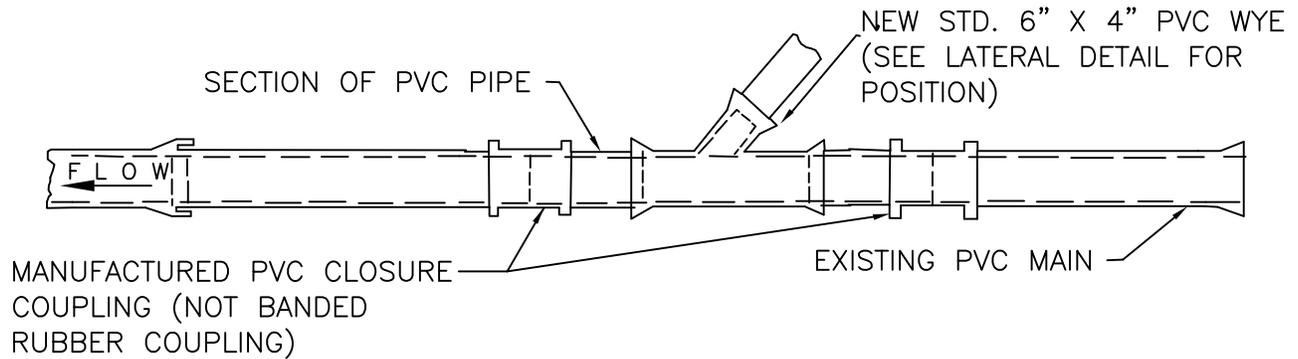
STANDARD DETAIL

**SS-6**



NOTE:  
THE NEWLY INSTALLED WYE SHALL BE OF THE SAME MATERIAL AS THE EXISTING MAIN.

VITRIFIED CLAY (VCP)

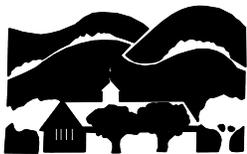


NOTE:  
ALL PVC, PIPE AND FITTINGS SHALL BE SDR 26 AND SHALL HAVE RUBBER GASKETED JOINTS. SOLVENT WELDED JOINTS SHALL NOT BE ALLOWED

POLYVINYL CHLORIDE PIPE (PVC)

- NOTES:
1. LATERAL CONNECTION INSTALLATION ON NEWLY INSTALLED PIPE WILL BE AS DIRECTED BY THE DEPARTMENT OF PUBLIC WORKS.
  2. IF THE EXISTING MAIN IS HDPE, LATERAL CONNECTION SHALL BE MADE BY HEAT FUSION. THE MATERIAL OF THE LATERAL BETWEEN THE MAIN AND PROPERTY LINE CLEANOUT SHALL BE THE SAME AS THE EXISTING MAIN.

LOS ALTOS HILLS



CALIFORNIA

TITLE  
LATERAL CONNECTION TO EXISTING SEWER MAIN

ADOPTED BY CITY COUNCIL DATE:

12/07/2011

SCALE: NONE

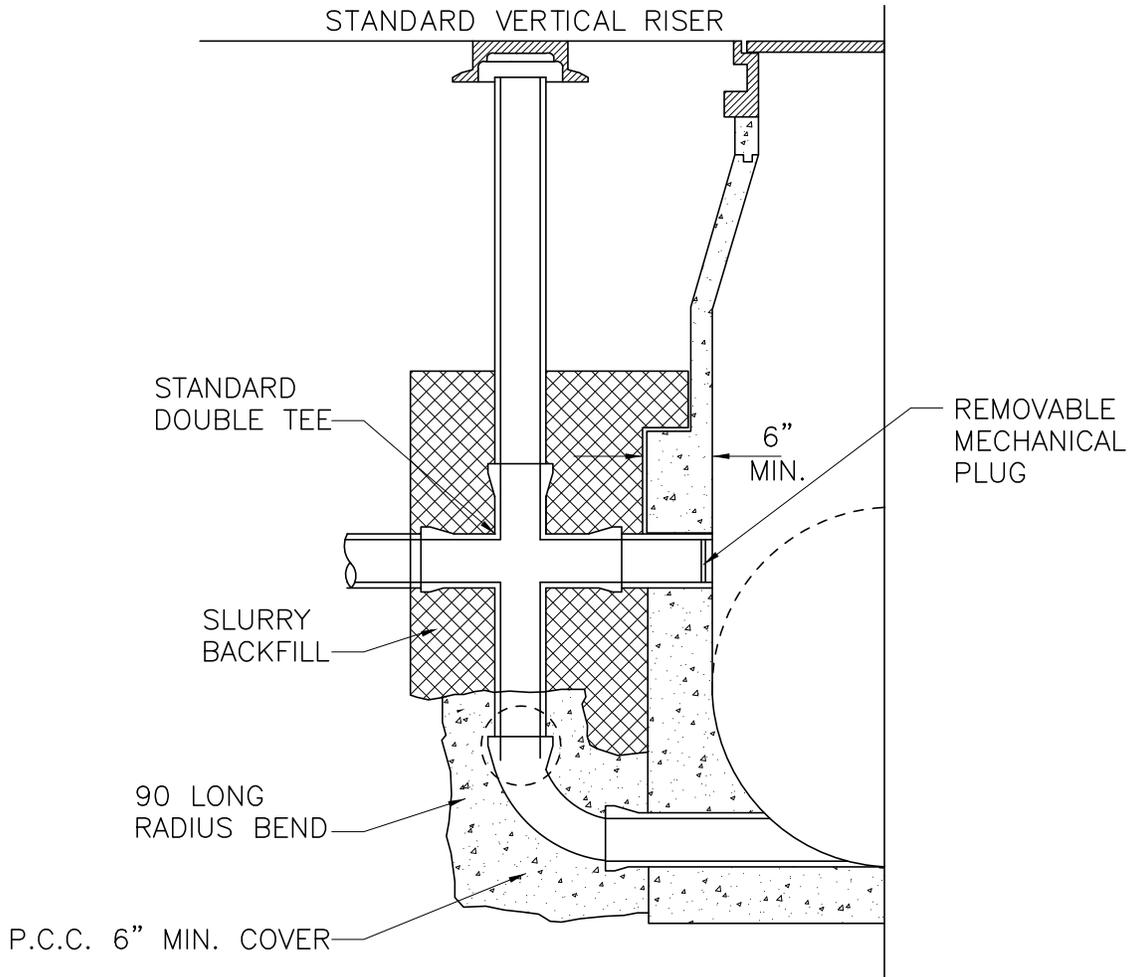
DATE: 11/18/2011

CHK: JMP

STANDARD DETAIL

SS-7

26379 FREMONT ROAD, LOS ALTOS HILLS, CA 94022 • Phone: (650) 941-7222



LOS ALTOS HILLS



CALIFORNIA

TITLE

DROP MANHOLE CONNECTION

ADOPTED BY CITY COUNCIL DATE:

1/13/2011

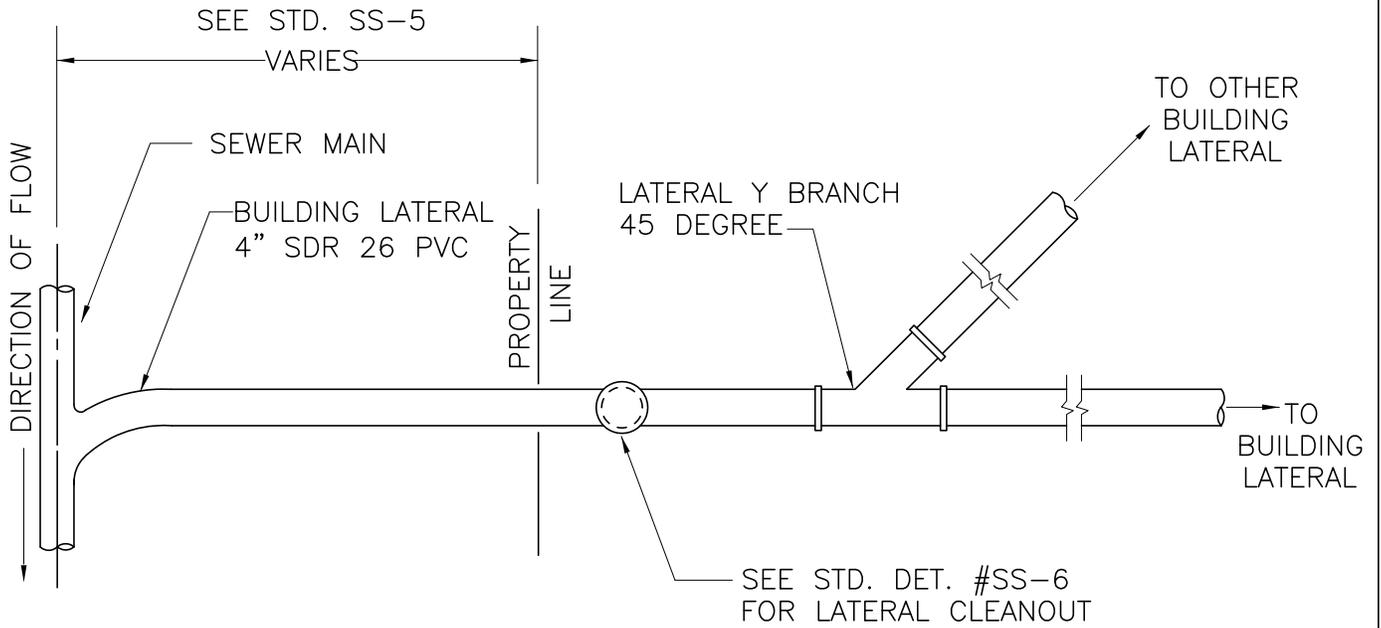
SCALE: NONE

DATE: 1/4/2011

CHK: RC

STANDARD DETAIL

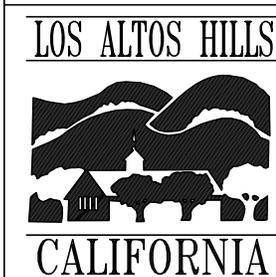
SS-8



**PLAN**

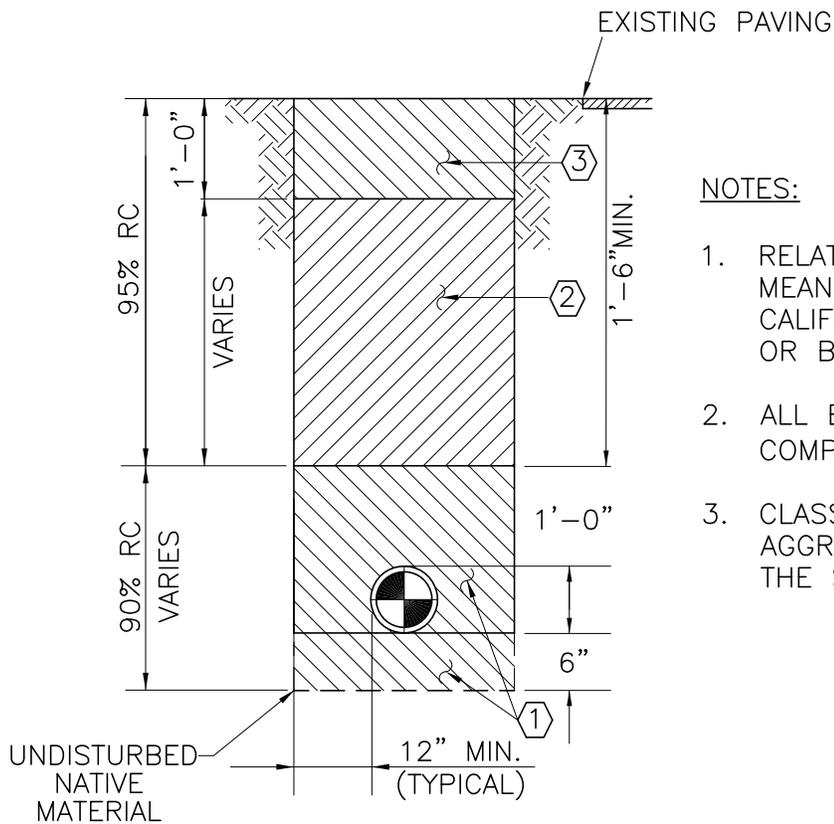
**NOTE:**

SEPARATE HOUSES, BUILDINGS, AND LIVING QUARTERS ON THE SAME PROPERTY ARE TO BE PROVIDED WITH SEWER SERVICE THROUGH A SINGLE SERVICE CONNECTION USING A 45-DEGREE "Y" BRANCH LATERAL TO SUPPLY THE ENTIRE PREMISES, OR ANY COMBINATION THEREOF. A SEPARATE SEWER LATERAL MAY BE REQUIRED/APPROVED BY THE CITY ENGINEER.



TITLE		WYE BRANCH LATERAL	
ADOPTED BY CITY COUNCIL DATE:  1/13/2011	SCALE: NONE	STANDARD DETAIL  <b>SS-9</b>	
	DATE: 1/6/2011		
	CHK: RC		
26379 FREMONT ROAD, LOS ALTOS HILLS, CA 94022 • Phone: (650) 941-7222			





NOTES:

1. RELATIVE COMPACTION (RC) SHALL MEAN COMPACTION AS DETERMINED BY CALIFORNIA COMPACTION TEST METHOD OR BY ASTM METHODS.
2. ALL BACKFILL SHALL BE PLACED AND COMPACTED IN 6" MAXIMUM LIFTS.
3. CLASS 1 BEDDING AND CLASS 2 AGGREGATE BASE PER SECTION 26 OF THE STATE STANDARD SPECIFICATIONS.

LEGEND:

- ① CLASS 1 BEDDING (3/4" DRAIN ROCK)
- ② NATIVE BACKFILL MATERIAL
- ③ WITHIN TOWN PATHWAYS, USE 6" STEVENS CREEK QUARRY CRUSHER FINES OVER 6" DRAIN ROCK (1/2") OR EQUAL AS APPROVED BY THE CITY ENGINEER. WITHIN SHOULDERS, USE 12" CLASS 2 AGGREGATE BASE, 3/4" MAXIMUM.

LOS ALTOS HILLS



CALIFORNIA

TITLE

BACKFILL DETAIL – SHOULDER/EASEMENT

ADOPTED BY CITY COUNCIL DATE:

1/13/2011

SCALE: NONE

DATE: 1/4/2011

CHK: RC

STANDARD DETAIL

UT-2

26379 FREMONT ROAD, LOS ALTOS HILLS, CA 94022 • Phone: (650) 941-7222