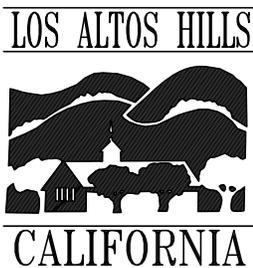


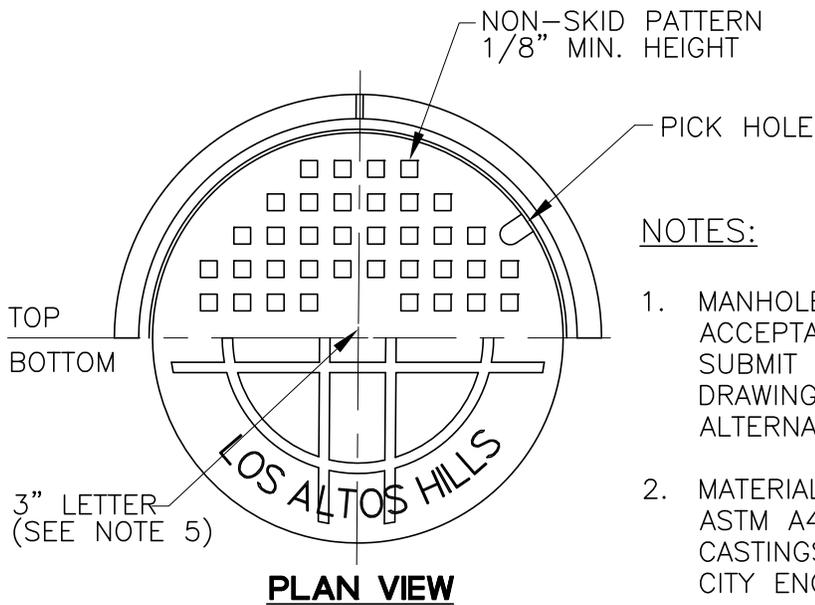
SECTION A-A

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.

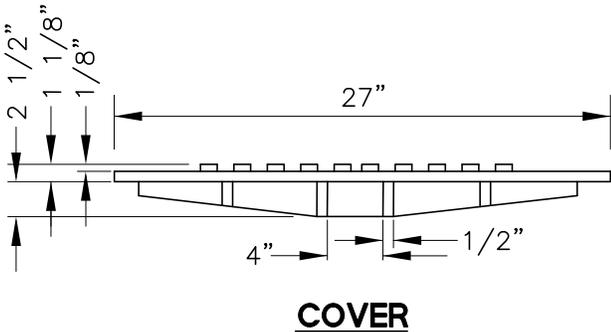


TITTLE		SANITARY SEWER MANHOLE	
ADOPTED BY CITY COUNCIL DATE: 1/13/2011	SCALE: NONE	SS-1	
	DATE: 1/4/2011		
	CHK: RC		
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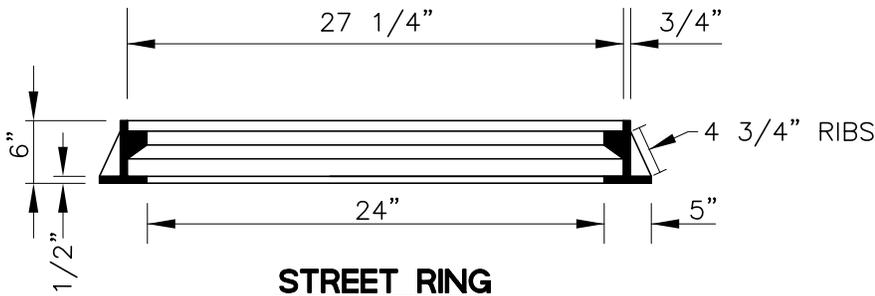


NOTES:

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



COVER



STREET RING

LOS ALTOS HILLS



CALIFORNIA

TITLE

MANHOLE FRAME AND COVER

ADOPTED BY CITY COUNCIL DATE:

1/13/2011

SCALE: NONE

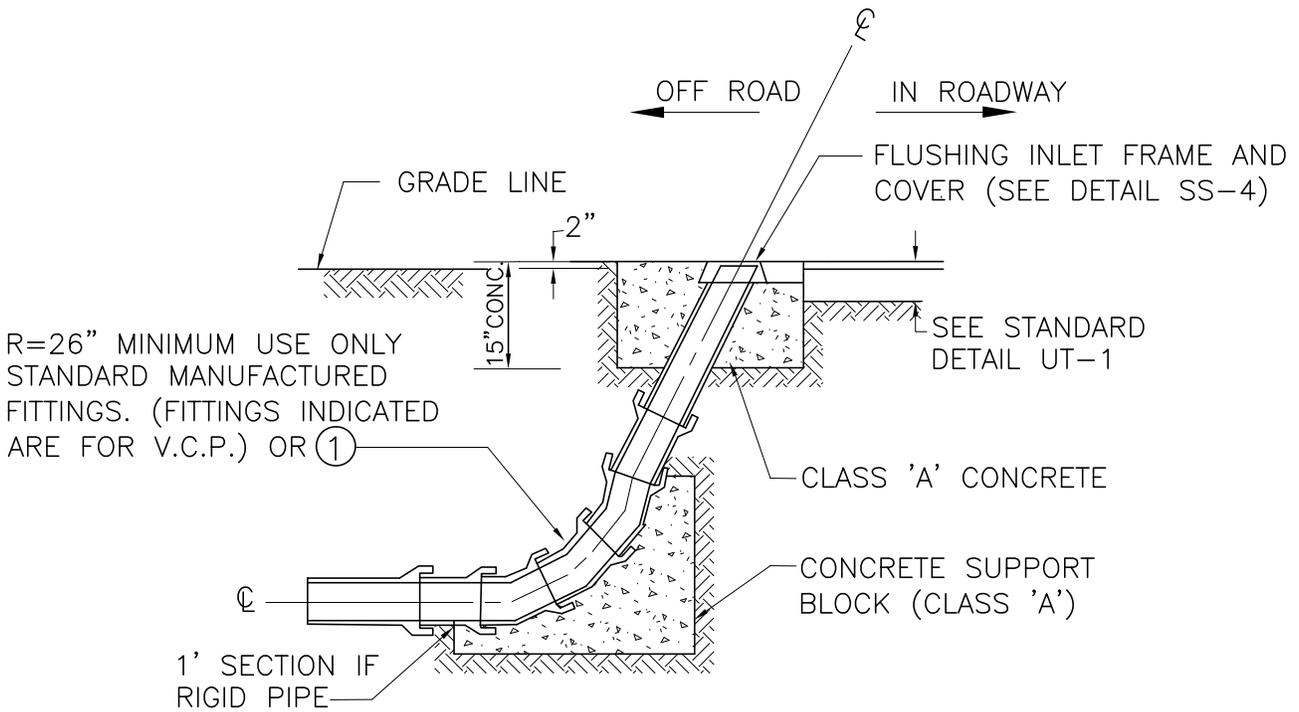
DATE: 1/4/2011

CHK: RC

STANDARD DETAIL

SS-2

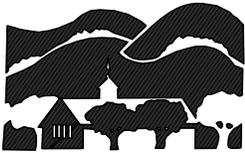
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NOTE:

- ① FOR P.V.C. PIPE, LARGE 90° MANUFACTURED SWEEPS MAY BE USED IF R=36" OR GREATER

LOS ALTOS HILLS



CALIFORNIA

TITLE

FLUSHING INLET

ADOPTED BY CITY COUNCIL DATE:

1/13/2011

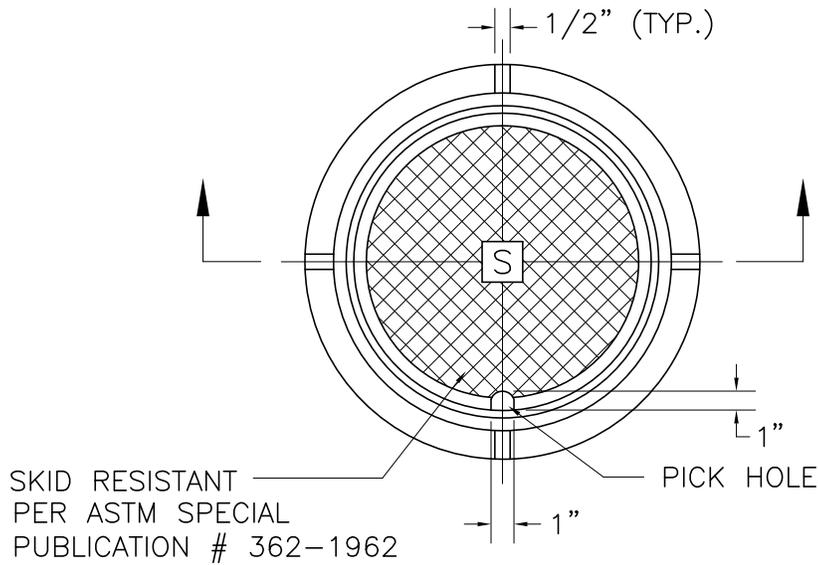
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DATE: 1/6/2011

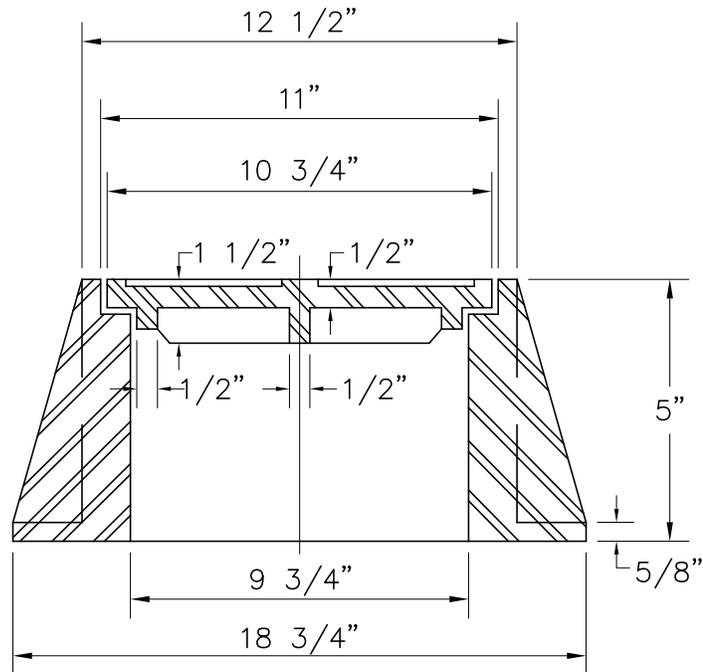
CHK: RC

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

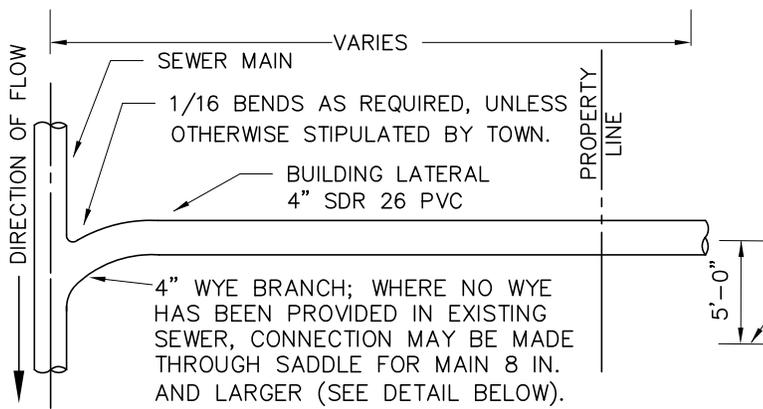
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DATE: 1/4/2011

CHK: RC

STANDARD DETAIL

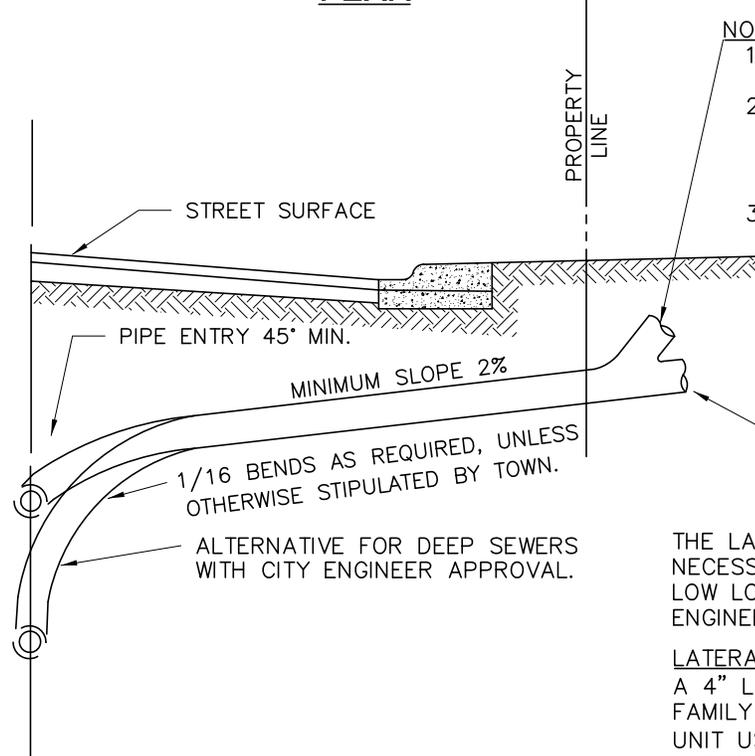
SS-4



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

5'-0" LOWER LOT LINE IN RELATION TO SEWER FLOW

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.

4'-0" TO FLOW LINE

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

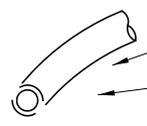
THE LATERAL SHALL BE LOWER WHERE NECESSARY TO SERVE EXISTING PLUMBING OR LOW LOTS OR WHEN DIRECTED BY THE ENGINEER.

LATERAL SIZES

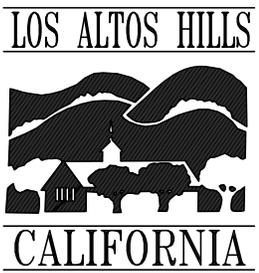
A 4" LATERAL CAN BE USED FOR A SINGLE FAMILY RESIDENCE OR A SFR WITH A SECOND UNIT USING "WYE" CONNECTION. A MINIMUM 6" LATERAL SHALL BE USED FOR ALL OTHER DEVELOPMENTS.

PROFILE

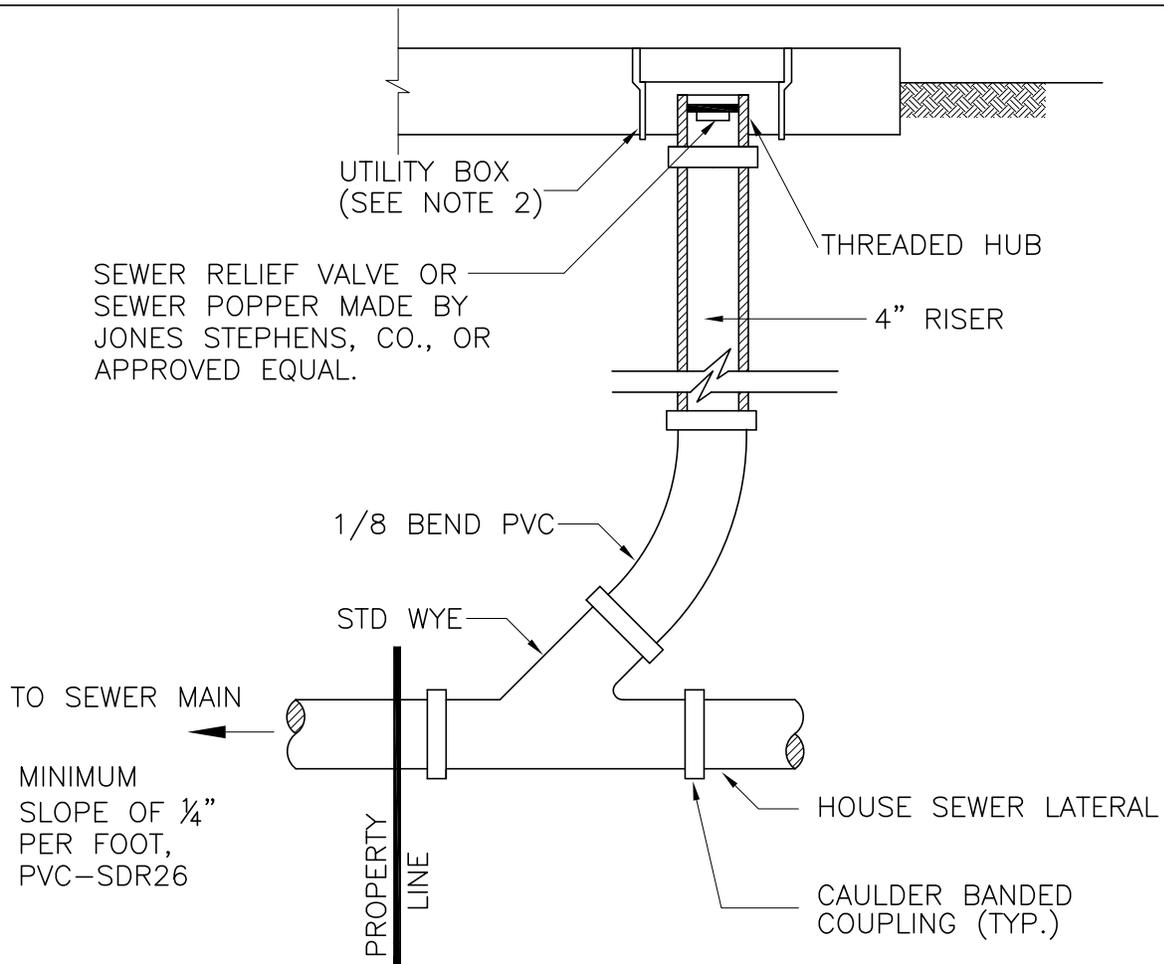
METHOD OF ATTACHING LATERAL TO EXISTING SEWER WHERE NO WYE HAS BEEN PROVIDED



- 1/16 BENDS AS REQUIRED
- A. EXISTING MAIN < 8": FOR MEANS BY WHICH CONNECTION IS TO BE MADE TO MAIN LINE SEE DETAIL SS-7.
 - B. EXISTING MAIN 10"-18": CONNECTION BY MEANS OF AN APPROVED SADDLE "TEE".
 - C. EXISTING MAIN >18": CONNECTION SHALL BE AT A MANHOLE UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER.
 - D. CONNECTIONS TO TOWN MAIN REQUIRED AN INSPECTION BY PUBLIC WORKS.



TITTLE		SANITARY SEWER LATERAL	
ADOPTED BY CITY COUNCIL DATE: 1/13/2011	SCALE: NONE	STANDARD DETAIL SS-5	
	DATE: 1/6/2011		
	CHK: RC		
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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

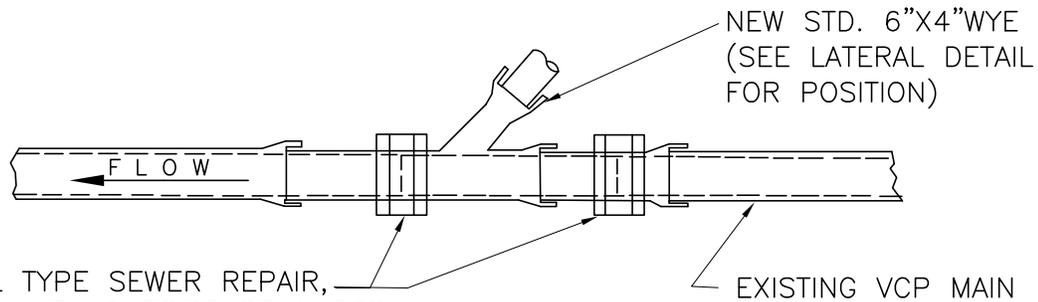
SCALE: NONE

DATE: 1/6/2011

CHK: RC

STANDARD DETAIL

SS-6

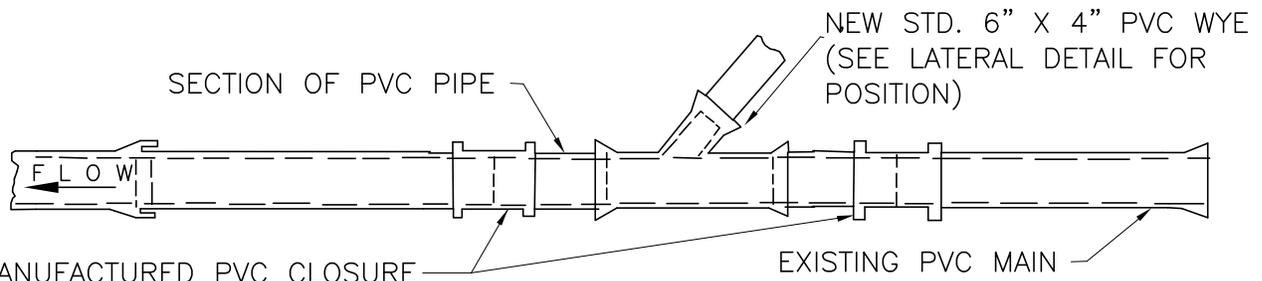


BANDSEAL TYPE SEWER REPAIR,
COUPLING WITH OUTSIDE STAINLESS
STEEL SHEAR RING.

NOTE:

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

VITRIFIED CLAY (VCP)



MANUFACTURED PVC CLOSURE
COUPLING (NOT BANDED
RUBBER COUPLING)

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)

NOTE:

LATERAL CONNECTION INSTALLATION ON NEWLY INSTALLED PIPE WILL BE
AS DIRECTED BY THE DEPARTMENT OF PUBLIC WORKS.

LOS ALTOS HILLS



CALIFORNIA

TITLE
LATERAL CONNECTION TO EXISTING SEWER MAIN

ADOPTED BY CITY COUNCIL DATE:

1/13/2011

SCALE: NONE

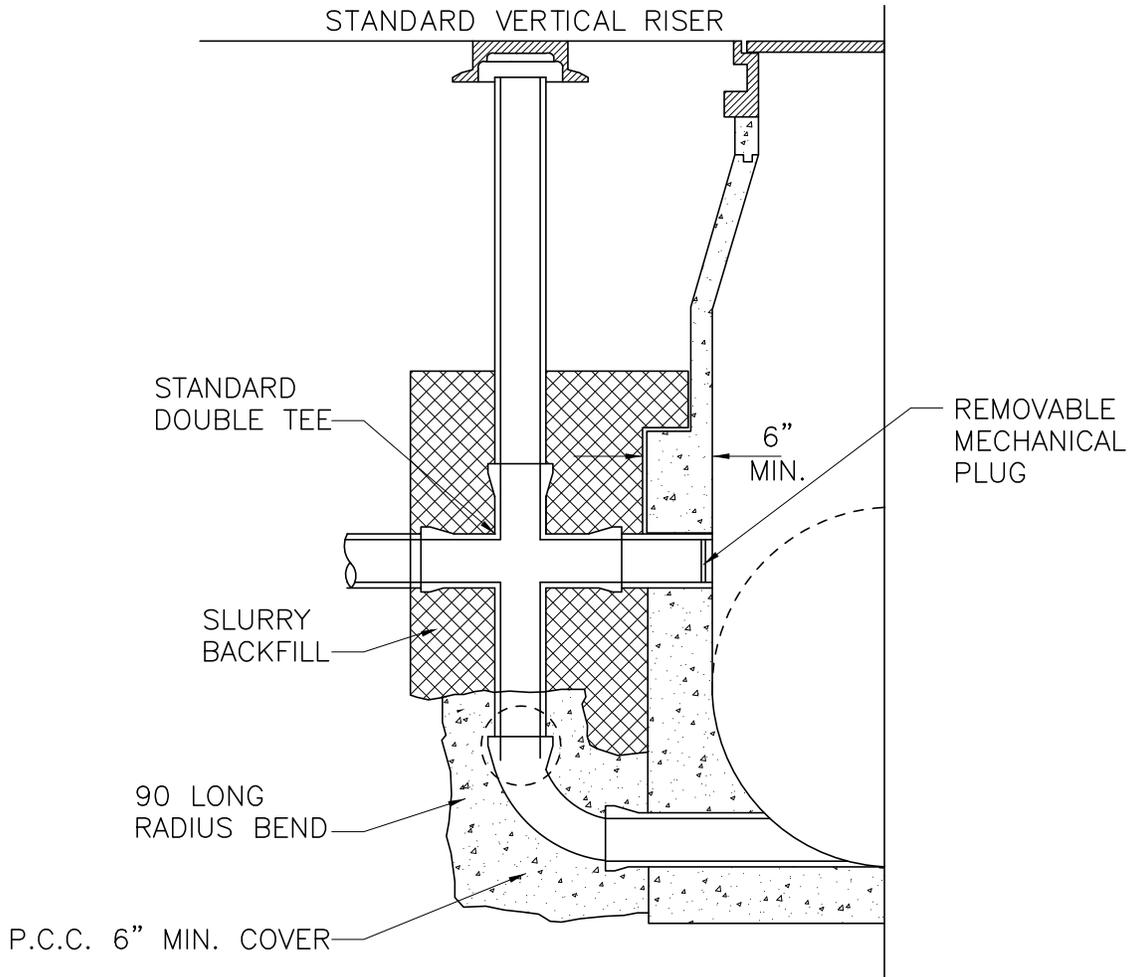
DATE: 1/4/2011

CHK: RC

STANDARD DETAIL

SS-7

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LOS ALTOS HILLS



CALIFORNIA

TITLE

DROP MANHOLE CONNECTION

ADOPTED BY CITY COUNCIL DATE:

1/13/2011

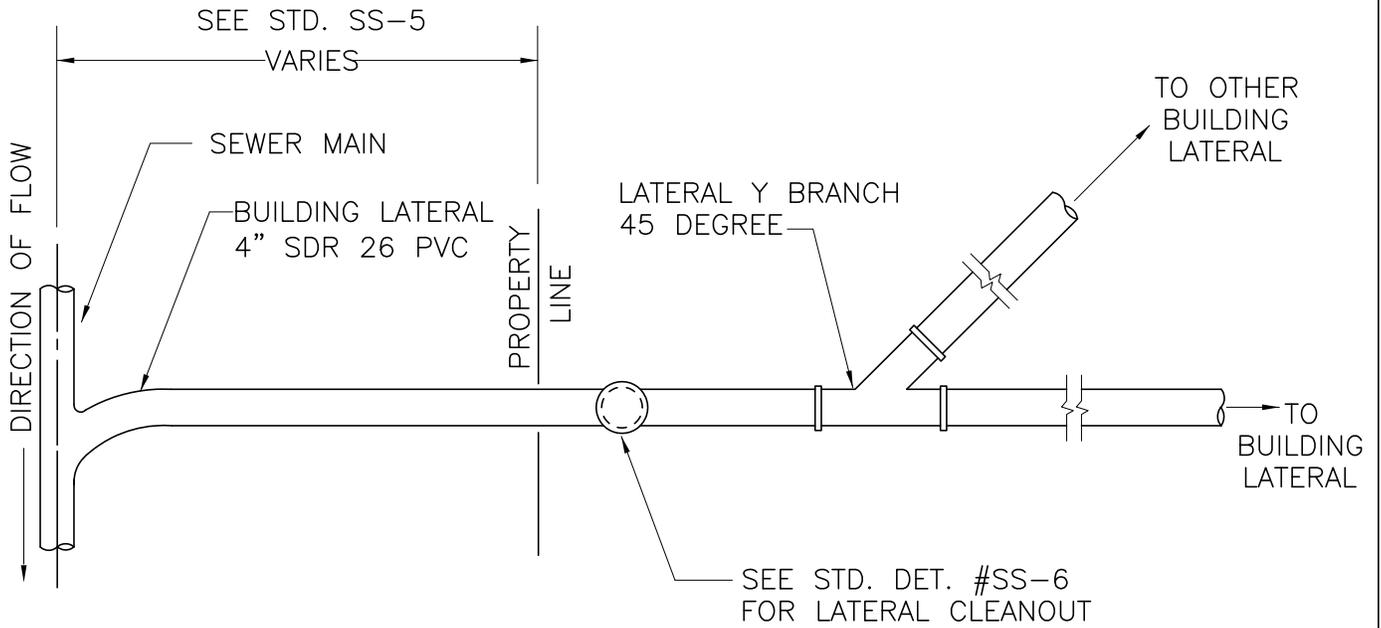
SCALE: NONE

DATE: 1/4/2011

CHK: RC

STANDARD DETAIL

SS-8

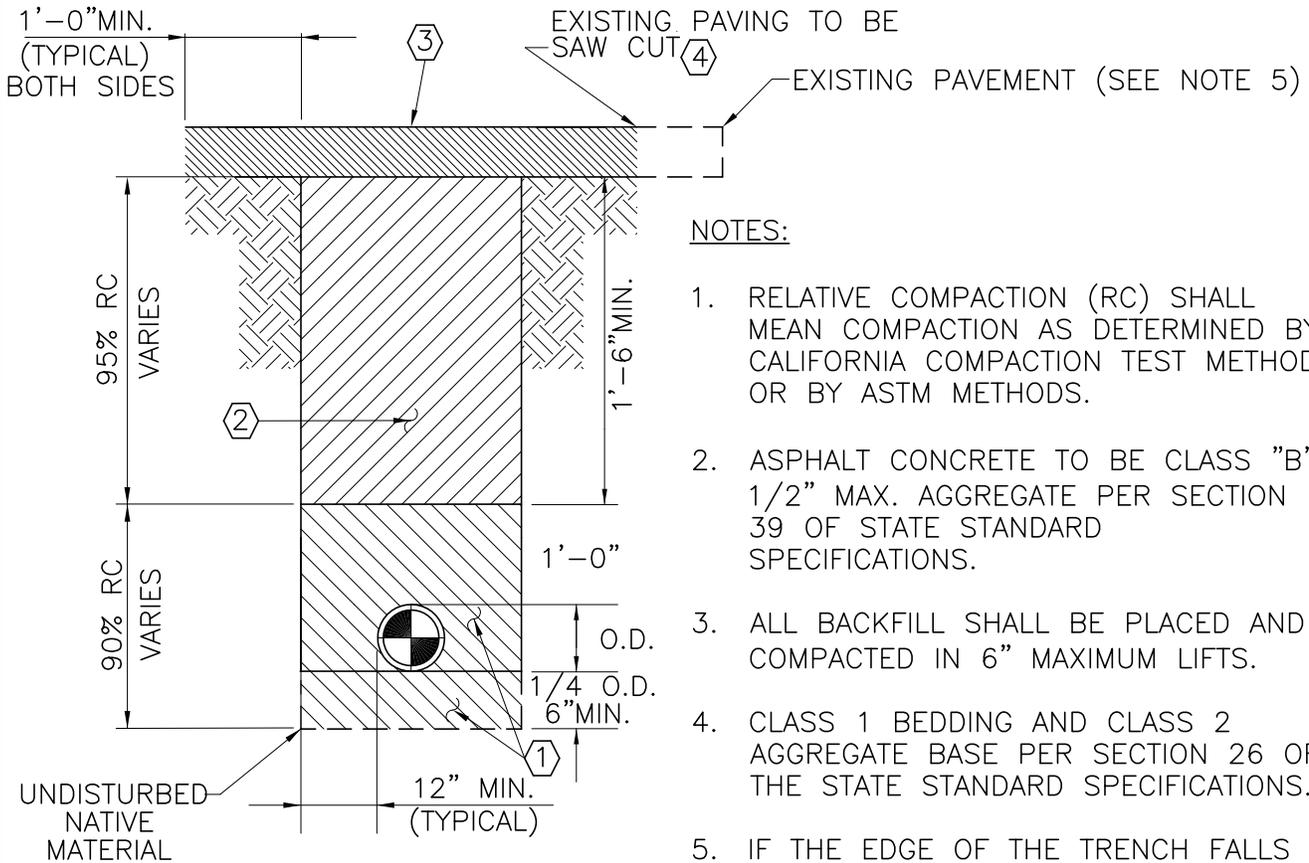


PLAN

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:	SCALE: NONE	STANDARD DETAIL	
	1/13/2011	DATE: 1/6/2011	SS-9	
	CHK: RC			
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LEGEND:

- ① CLASS 1 BEDDING (3/4" DRAIN ROCK)
- ② CLASS 2 AGGREGATE BASE, 3/4" MAX.
- ③ 6" ASPHALT CONCRETE OR MATCH EXISTING DEPTH, WHICHEVER IS GREATER. AC SHALL BE PLACED IN 4" LIFTS MAX.
- ④ APPLY TACK COAT ON SAW CUT EDGES PER SECTION 94 OF STATE SPECIFICATIONS.

LOS ALTOS HILLS



CALIFORNIA

TITLE

BACKFILL DETAIL – STREET

ADOPTED BY CITY COUNCIL DATE:

1/13/2011

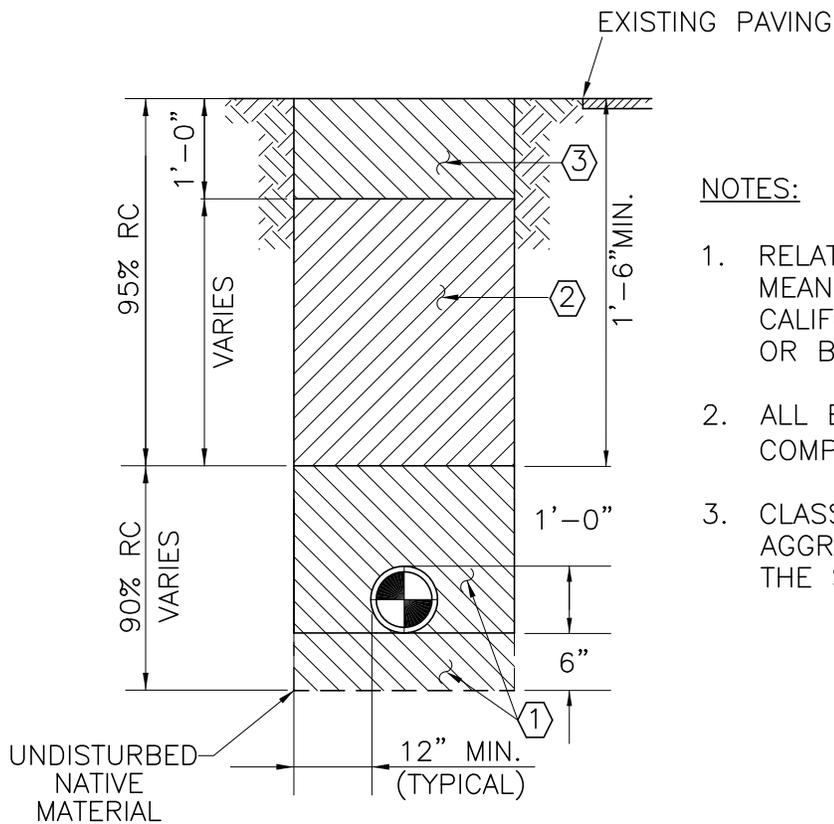
SCALE: NONE

DATE: 1/4/2011

CHK: RC

STANDARD DETAIL

UT-1



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

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