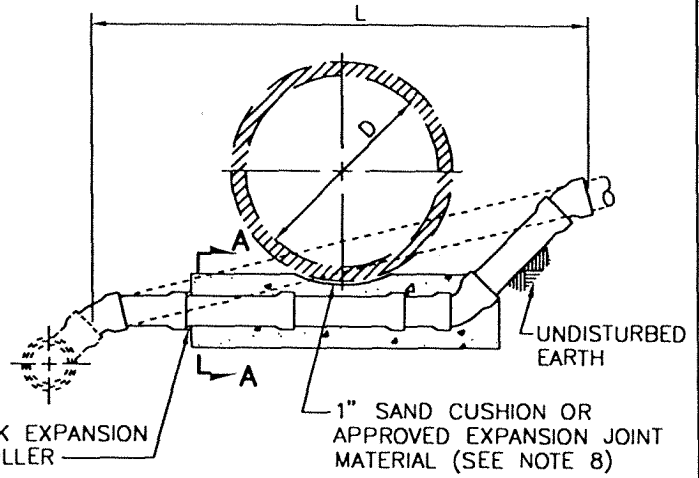


CONCRETE SUPPORT WALL (SEE NOTE 10)

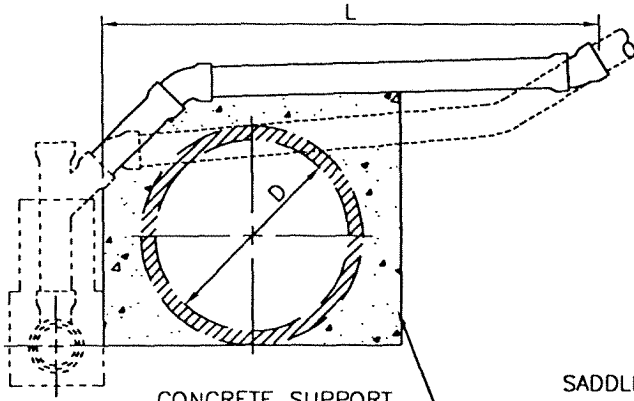
CASE A



1" THICK EXPANSION JOINT FILLER

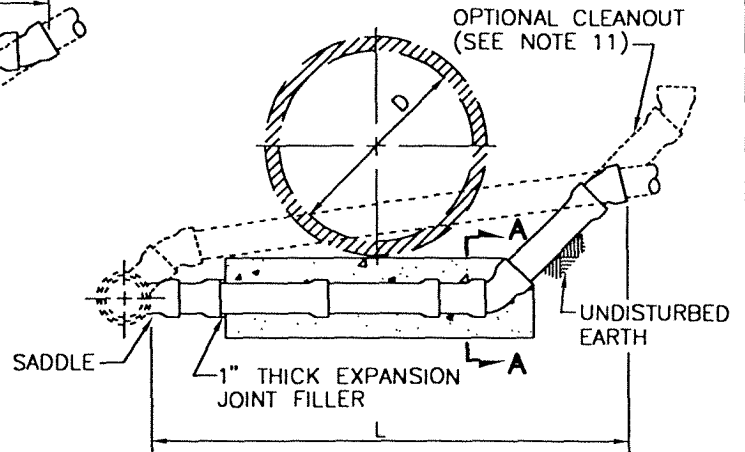
1" SAND CUSHION OR APPROVED EXPANSION JOINT MATERIAL (SEE NOTE 8)

CASE D



CONCRETE SUPPORT WALL (SEE NOTE 10)

CASE B



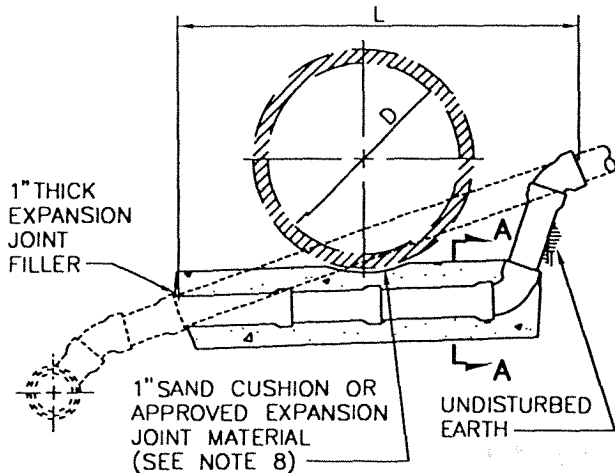
OPTIONAL CLEANOUT (SEE NOTE 11)

SADDLE

1" THICK EXPANSION JOINT FILLER

UNDISTURBED EARTH

CASE E

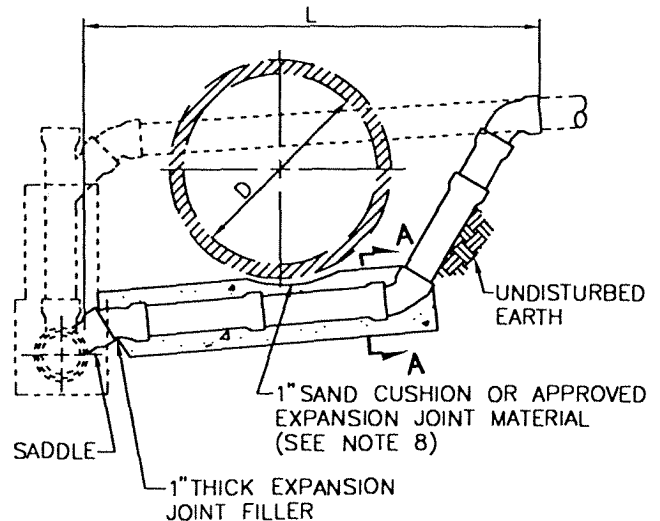


1" THICK EXPANSION JOINT FILLER

1" SAND CUSHION OR APPROVED EXPANSION JOINT MATERIAL (SEE NOTE 8)

UNDISTURBED EARTH

CASE C



SADDLE

1" THICK EXPANSION JOINT FILLER

UNDISTURBED EARTH

1" SAND CUSHION OR APPROVED EXPANSION JOINT MATERIAL (SEE NOTE 8)

CASE F

STORM DRAIN LINE (GRAVITY) & SEWER LINE (GRAVITY)

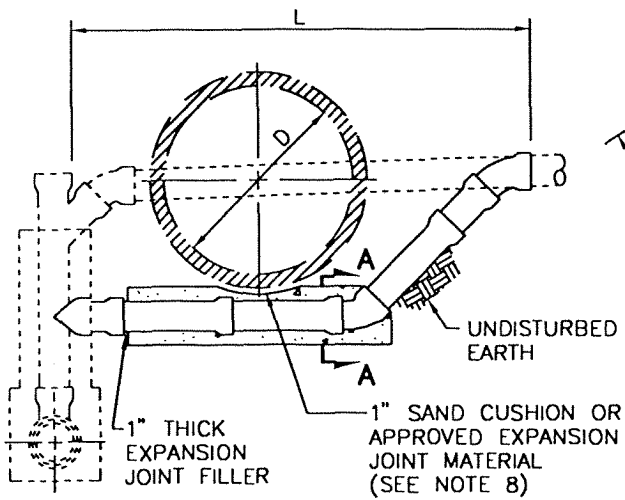
REV.	APPR. BY	DATE

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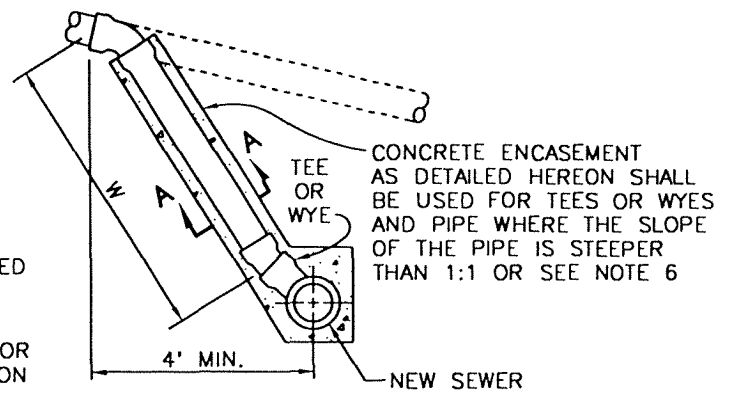
	<p>CITY OF HOUSE CONNECTION REMODELING</p>		<p>STANDARD PLAN 2002</p>
	<p>DRAWN: STAFF</p>	<p>CKD.: STAFF <i>EB</i></p>	<p>APPR. <i>Granville M. Bowman</i></p>
<p>Department of Public Works</p>			<p>SHEET 1 OF 3</p>

REV.	APPR. BY	DATE

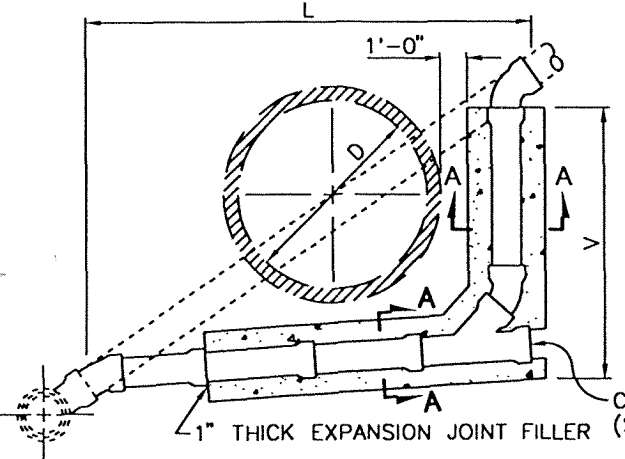
REV.	APPR. BY	DATE



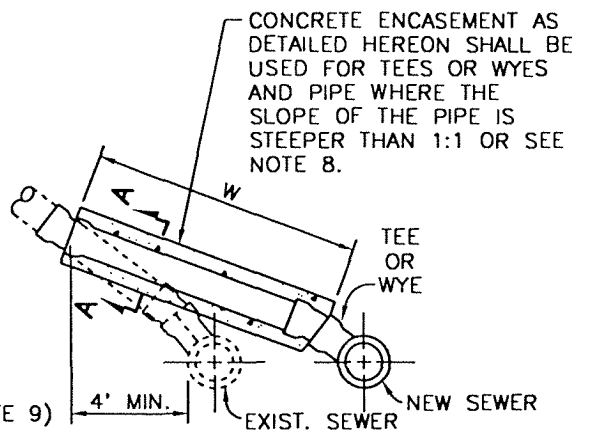
CASE G



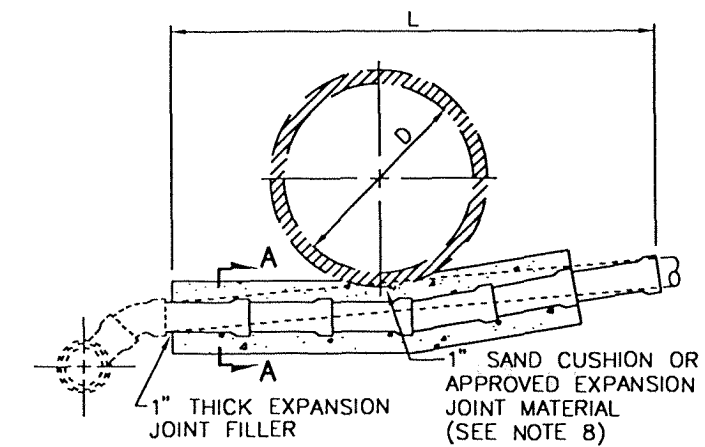
CASE R



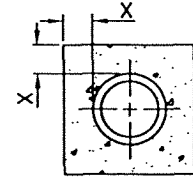
CASE H



CASE S



CASE K



NOMINAL DIA. OF PIPE (INCHES)	MAXIMUM DIMENSIONS X (INCHES)
6	3
8	4
10	5
12	6

SECTION A-A
CONCRETE ENCASUREMENT DETAILS
(SEE NOTE 5)

STORM DRAIN LINE (GRAVITY) & SEWER LINE (GRAVITY)

	HOUSE CONNECTION REMODELING		STANDARD PLAN 2002
	DRAWN: STAFF Department of Public Works	CKD.: STAFF <i>LP</i>	APPR. <i>Granville M. Bowman</i> Granville M. Bowman

NOTES:

1. EXCEPT AS OTHERWISE INDICATED HEREON OR ON THE PROJECT PLANS, ALL HOUSE CONNECTION REMODELING SHALL CONFORM TO THE APPLICABLE PORTIONS OF STANDARD PLATE 405 HOUSE CONNECTION SEWER.
2. SEE PROJECT PLANS FOR VALUES OF D, L, V AND W. (DIMENSION L IS THE HORIZONTAL LENGTH OF THE HOUSE CONNECTION REMODELING).
3. EXISTING SEWERS ARE INDICATED BY DASHED LINES. HOUSE CONNECTION SEWERS TO BE CONSTRUCTED ARE INDICATED BY SOLID LINES AND SHALL BE OF THE SAME MATERIAL AS THE EXISTING SEWER. THE CONTRACTOR MAY CONSTRUCT THE SEWER WITH OTHER MATERIAL ALLOWED PER STANDARD PLATE 405 PROVIDED HE UTILIZES APPROVED ADAPTORS.
4. 1/16 (22½") OR 1/8 (45") BENDS SHALL BE USED TO REMODEL OR CONSTRUCT ANY SEWER ON A CURVE OR AT ANY CHANGE IN ALIGNMENT. WHERE PHYSICAL OR GEOMETRIC LIMITATIONS PRECLUDE THE USE OF 1/16 OR 1/8 BENDS, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER FOR APPROVAL HIS PROPOSED METHOD OF REMODELING OR CONSTRUCTION.
5. ALL HOUSE CONNECTION SEWERS TO BE CONSTRUCTED UNDER A PROPOSED STORM DRAIN SHALL BE ENCASED IN CONCRETE AS SHOWN HEREON. WHEN THE HOUSE CONNECTION SEWER SLOPE EXCEEDS 1:1, THE CONTRACTOR MAY, AT HIS OPTION, PLACE A CIRCULAR CROSS SECTION WITH MINIMUM COVER EQUAL TO DIMENSION "X" AS SHOWN ON SECTION A-A HEREON IN LIEU OF A SQUARE CROSS SECTION OF CONCRETE. CONCRETE BEDDING AND ENCASEMENT SHALL BE CLASS 420-C-2000, AND SHALL EXTEND TO THE FIRST PIPE JOINT AT LEAST 1 FOOT BEYOND THE OUTSIDE DIAMETER OF EACH SIDE OF THE PROPOSED CONDUIT.
6. FOR CASES R AND S, WHEN THE SLOPE OF THE PIPE EXCEED 1:1, THE CONTRACTOR MAY, AT HIS OPTION, CONSTRUCT A CHIMNEY CONFORMING TO STANDARD PLATE 402 ON THE NEW SEWER IN LIEU OF CONSTRUCTING THE ENCASEMENT SHOWN HEREON.
7. FOR CASE E AND F, SADDLES SHALL BE CONNECTED EITHER TO THE LENGTH OF PIPE CONTAINING THE EXISTING TEE OR WYE OR TO THE ADJACENT DOWNSTREAM PIPE LENGTH.
8. CONDUITS TO BE INSTALLED OVER OR WITHIN ONE INCH OF ANY CONCRETE ENCASEMENT OR STRUCTURE, WHETHER EXISTING OR TO BE PLACED IN CONFORMITY WITH THE REQUIREMENTS HEREIN, SHALL BE INSTALLED ON A ONE-INCH SAND CUSHION OR APPROVED EXPANSION JOINT MATERIAL. CONCRETE ENCASEMENT INSTALLED PURSUANT TO THIS STANDARD PLAN SHALL BE SEPARATED FROM EXISTING CONDUIT WITH ONE-INCH THICK EXPANSION JOINT MATERIAL.
9. THOSE PORTIONS OF AN ABANDONED PIPE LOCATED BENEATH OR WITHIN 6 INCHES OF A RELOCATED HOUSE CONNECTION SEWER SHALL BE REMOVED. THE EXCAVATION SHALL BE REFILLED TO THE GRADE OF THE NEW PIPE INVERT WITH CLASS 100-E-100 CONCRETE. THE CONTRACTOR MAY AT HIS OPTION, SUBSTITUTE MECHANICALLY COMPACTED BACKFILL IN LIEU OF THE CLASS 100-E-100 CONCRETE. THOSE PORTIONS OF ABANDONED PIPE NOT REMOVED SHALL BE SEALED. WHERE CAPS ARE USED, THEY SHALL BE SEALED BY FILLING THE SPACE ABOVE THE CAP WITH SAND AND A ONE INCH THICK COATING OF TYPE "F" MORTAR.
10. SUPPORT WALLS SHALL CONFORM TO STANDARD PLATE 404.
11. WHEN INDICATED ON THE PROJECT PLANS OR THE SPECIAL SPECIFICATIONS, A CLEANOUT SHALL BE CONSTRUCTED IN CONJUNCTION WITH CASE E AS FOLLOWS:
 - A. SUBSTITUTE A "Y" FOR THE 1/8 BEND.
 - B. PLACE A 1/8 BEND ON THE UPPER END OF THE "Y".
 - C. CAP TOP OF 1/8 BEND WITH A CAP AND SEAL WITH ONE INCH THICK TYPE "F" MORTAR AROUND THE CIRCUMFERENCE OF THE CAP.

REV.	APPR. BY	DATE

REV.	APPR. BY	DATE

 <p>CITY OF Oxnard</p>	HOUSE CONNECTION REMODELING		STANDARD PLAN 2002
	DRAWN: STAFF	CKD.: STSFF <i>SP</i>	 APPR. <u>Granville M. Bowman</u>
Department of Public Works			SHEET 3 OF 3