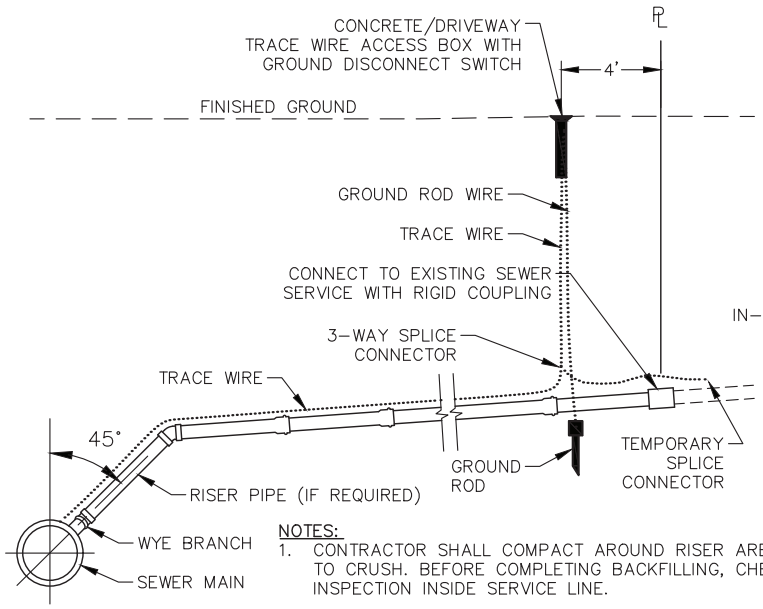
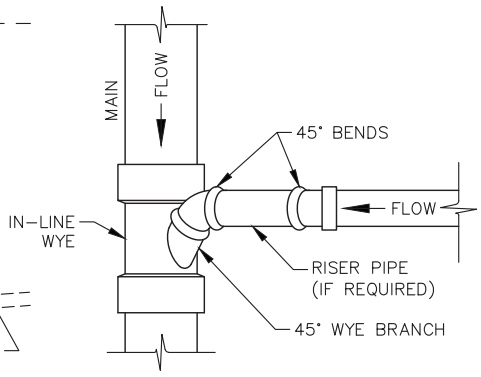




SEWER WYE CONNECTION

NOTES:

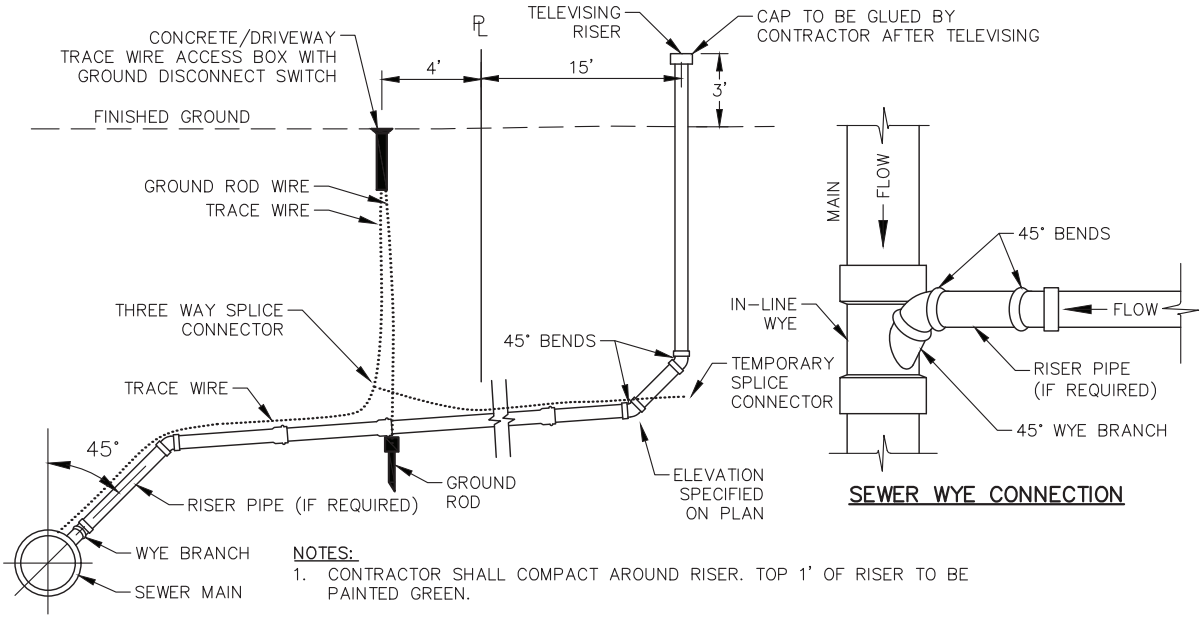
1. CONTRACTOR SHALL COMPACT AROUND RISER AREA BUT TAKE CARE NOT TO CRUSH. BEFORE COMPLETING BACKFILLING, CHECK INTEGRITY BY VISUAL INSPECTION INSIDE SERVICE LINE.

2. SEWER SERVICE GRADE SHALL NOT BE LESS THAN FOLLOWS:
   2.1. 4" PIPE: 1/4" PER FOOT (2%)
   2.2. 6" PIPE 1/8" PER FOOT (1%)

3. PRIOR TO INSTALLATION OF SANITARY SEWER SERVICE, CONTRACTOR SHALL VERIFY THAT NO CONFLICTS WILL OCCUR WITH OTHER UTILITY PIPES TO BE INSTALLED ON THE PROJECT.

SANITARY SEWER SERVICE REPLACEMENT		CITY ENGINEER APPROVED: BLO	DATE: 08.23.19
SECTION No. 333111	DRAWING No. 1	PUBLIC WORKS APPROVED: RAS	DATE: 08.23.19
CITY OF KINDRED ENGINEERING		CITY COUNCIL APPROVED DATE: 07.17.19	

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SEWER WYE CONNECTION

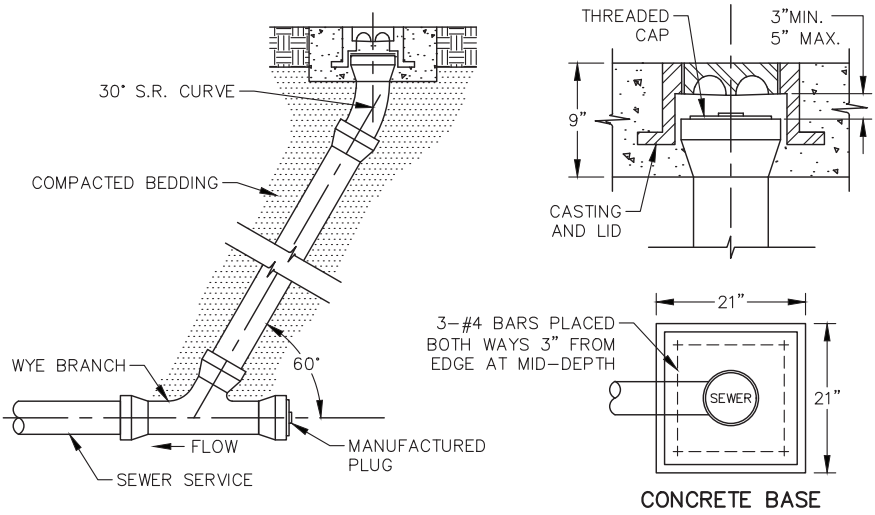
NOTES:

1. CONTRACTOR SHALL COMPACT AROUND RISER. TOP 1' OF RISER TO BE PAINTED GREEN.
2. SEWER SERVICE GRADE SHALL NOT BE LESS THAN FOLLOWS:
   2.1. 4" PIPE: 1/4" PER FOOT (2%)
   2.2. 6" PIPE 1/8" PER FOOT (1%)
3. PRIOR TO INSTALLATION OF SANITARY SEWER SERVICE, CONTRACTOR SHALL VERIFY THAT NO CONFLICTS WILL OCCUR WITH OTHER UTILITY PIPES TO BE INSTALLED ON THE PROJECT.

SANITARY SEWER SERVICE WITH TELEVISING RISER		CITY ENGINEER APPROVED: BLO	DATE: 08.23.19
SECTION No. 333111	DRAWING No. 2	PUBLIC WORKS APPROVED: RAS	DATE: 08.23.19
CITY OF KINDRED ENGINEERING		CITY COUNCIL APPROVED DATE: 07.17.19	

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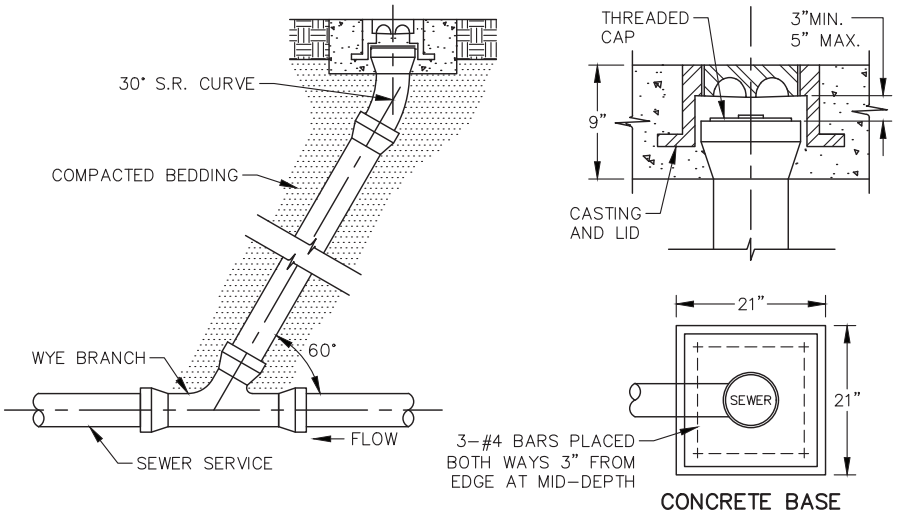
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SANITARY SEWER CLEANOUT TYPE 1		CITY ENGINEER APPROVED: BLO	DATE: 08.23.19
SECTION No. 333111	DRAWING No. 3	PUBLIC WORKS APPROVED: RAS	DATE: 08.23.19
CITY OF KINDRED ENGINEERING		CITY COUNCIL APPROVED DATE: 07.17.19	

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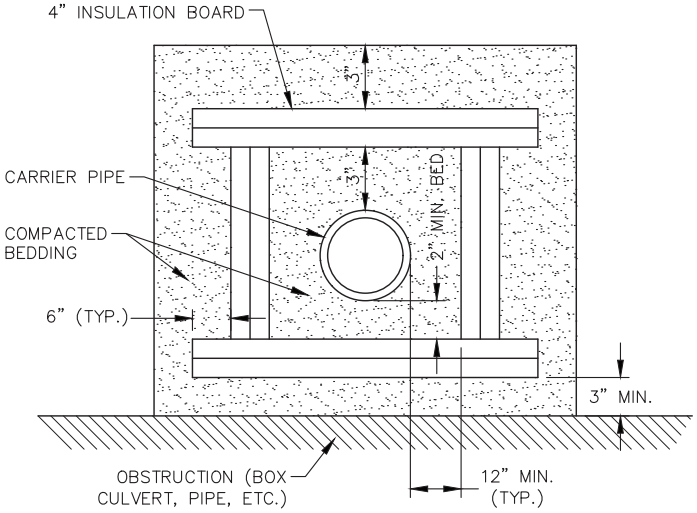
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SANITARY SEWER SERVICE CLEANOUT TYPE 2		CITY ENGINEER APPROVED: BLO	DATE: 08.23.19
SECTION No. 333111	DRAWING No. 4	PUBLIC WORKS APPROVED: RAS	DATE: 08.23.19
CITY OF KINDRED ENGINEERING		CITY COUNCIL APPROVED DATE: 07.17.19	

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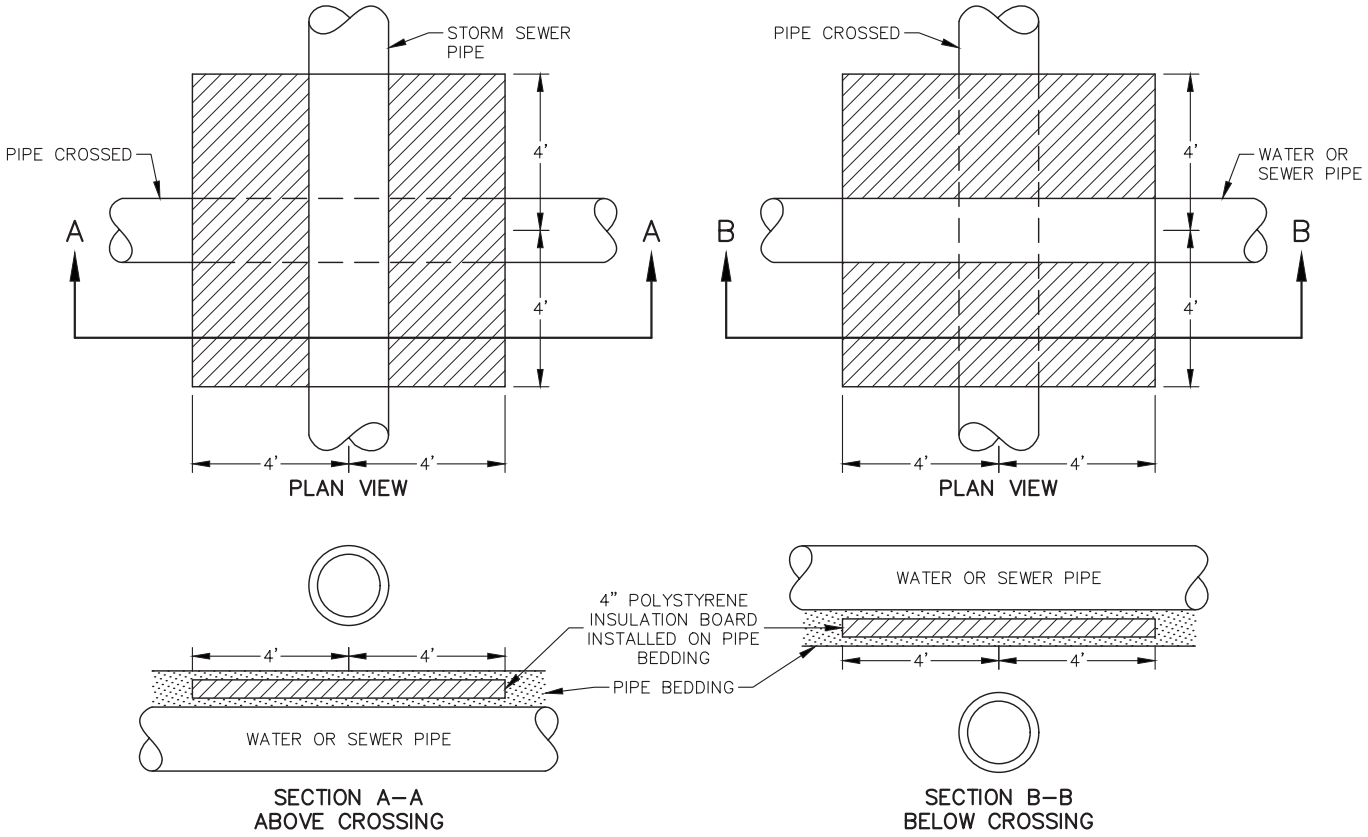
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TOTAL ENCASEMENT INSULATION		CITY ENGINEER APPROVED: BLO	DATE: 08.23.19
SECTION No. 333111	DRAWING No. 5	PUBLIC WORKS APPROVED: RAS	DATE: 08.23.19
CITY OF KINDRED ENGINEERING		CITY COUNCIL APPROVED DATE: 07.17.19	

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NOTES:
1. THIS DETAIL APPLIES TO BOTH MAINS & SERVICES WHERE CROSSING IS WITHIN 24".
2. WATER SERVICES MAY BE INSULATED WITH AN APPROVED ENCASEMENT INSULATION IN LIEU OF DETAIL.

INSULATION FOR UTILITY CROSSING		CITY ENGINEER APPROVED: BLO	DATE: 08.23.19
SECTION No. 333111	DRAWING No. 6	PUBLIC WORKS APPROVED: RAS	DATE: 08.23.19
CITY OF KINDRED ENGINEERING		CITY COUNCIL APPROVED DATE: 07.17.19	

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