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DATE: 9/27/2011
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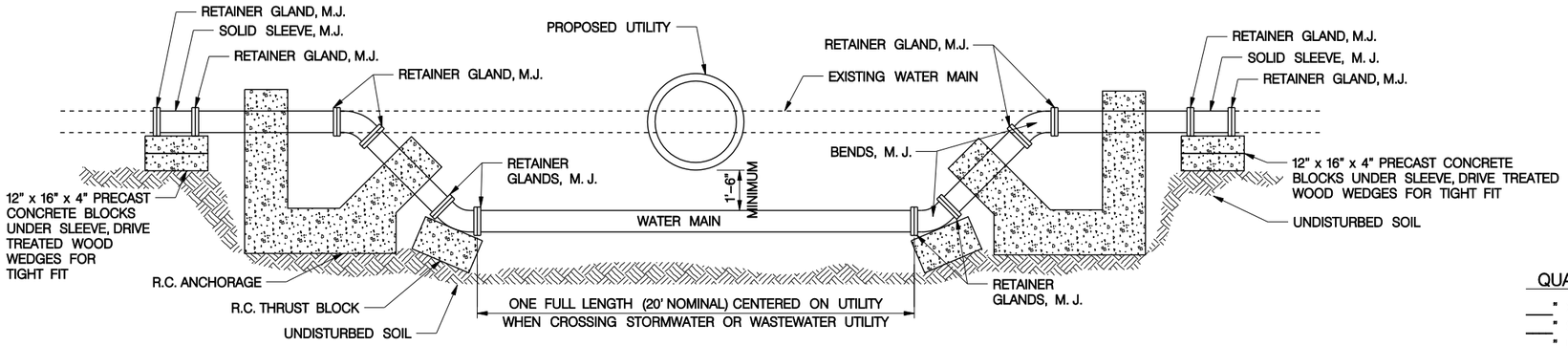
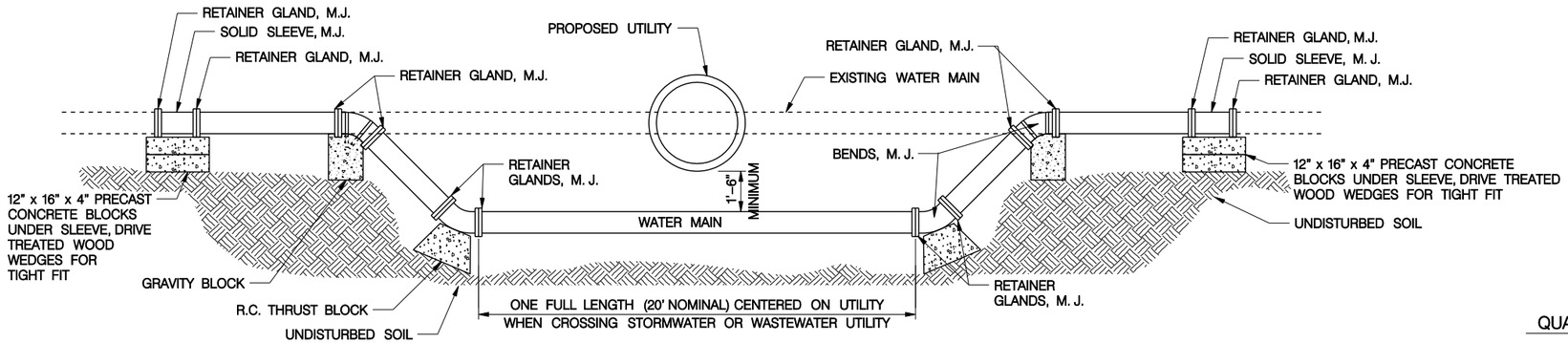


WATER MAIN RECONSTRUCTION

USING BENDS

QUANTITIES USED IN WATER MAIN RECONSTRUCTION USING BENDS

___" X 45° BEND, M.J.	4 EA.
___" SOLID SLEEVE, M. J. (L=_ ")	2 EA.
___" DUAL PURPOSE SLEEVE, M. J. (TO BE USED WITH A. W. W. A. PIPE)	2 EA.
___" X ___ GRAVITY BLOCK	2 EA.
___" X ___ R. C. THRUST BLOCK	2 EA.
___" WATER MAIN	VARIES L.F.
REMOVE ___" WATER MAIN	VARIES L.F.
___" RETAINER GLANDS, M. J.	12 EA.

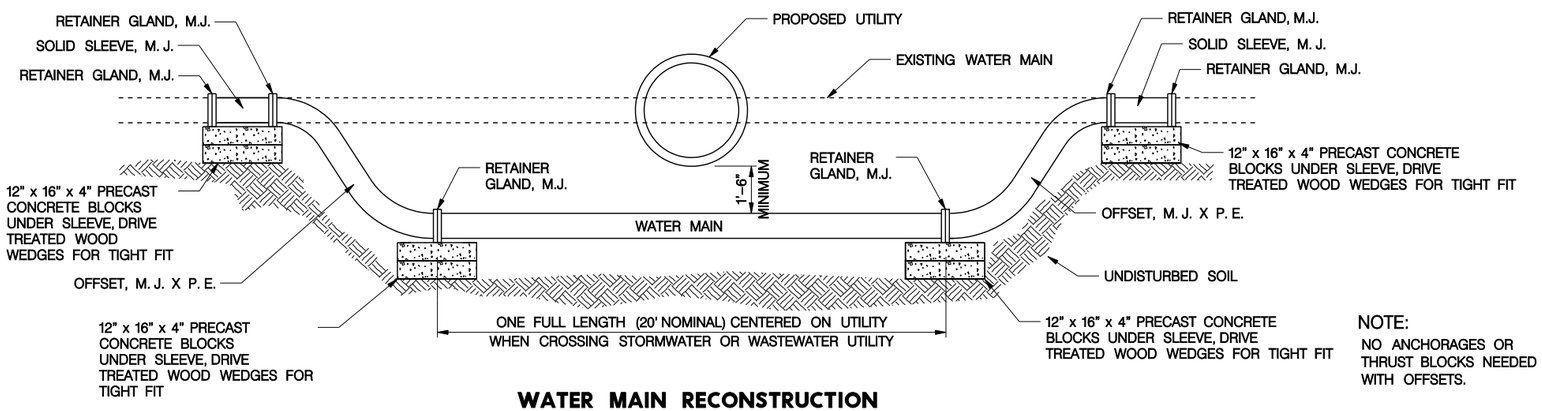


WATER MAIN RECONSTRUCTION

USING BENDS

QUANTITIES USED IN WATER MAIN RECONSTRUCTION USING OFFSETS

___" OFFSET, ___" DROP, M. J. X P. E.	2 EA.
___" SOLID SLEEVE, M. J. (L=___")	2 EA.
___" DUAL PURPOSE SLEEVE, M. J. (TO BE USED WITH A. W. W. A. PIPE)	2 EA.
___" WATER MAIN	VARIES L.F.
REMOVE ___" WATER MAIN	VARIES L.F.
___" RETAINER GLANDS, M. J.	6 EA.



NOTE:
NO ANCHORAGES OR THRUST BLOCKS NEEDED WITH OFFSETS.

WATER MAIN RECONSTRUCTION

USING OFFSETS

NOTE:

THE TOTAL LENGTH OF WATER RECONSTRUCTION IS TO BE POLYWRAPPED, IF DUCTILE IRON PIPE. SEE STANDARD SPECIFICATIONS.

WHEN PROPOSED UTILITY CROSSING IS 36" IN DIA. OR LARGER, CRUSHED ROCK FOUNDATION MATERIAL SHOULD BE USED AS BACKFILL UNDER PROPOSED UTILITY.

ALL CONCRETE SHALL BE L3500.

ANY 4" WATER MAIN RECONSTRUCTION IS TO BE COMPLETED USING A MINIMUM OF 6" PIPE AND FITTINGS AND REDUCED TO MEET THE 4" MAIN AT EACH END OF THE RECONSTRUCTION.

WATER PIPE SHALL BE ENCASED WITH FLOWABLE FILL IN SCENARIOS WHERE IT IS RECONSTRUCTED BELOW AN EXISTING OR PROPOSED WASTEWATER LINE.

EFFECTIVE JULY 1, 2011 - WATER MAIN RECONSTRUCTION L.S.P. 301