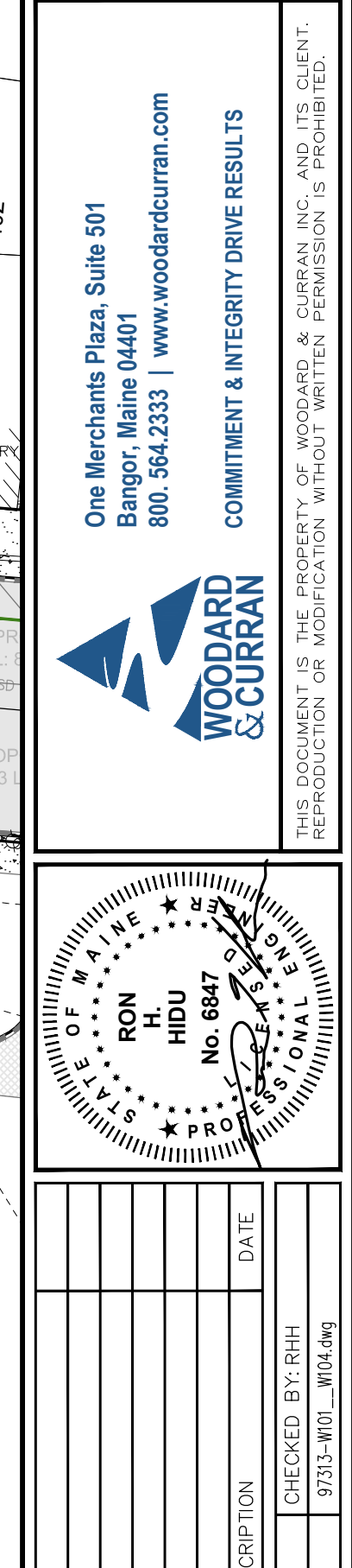
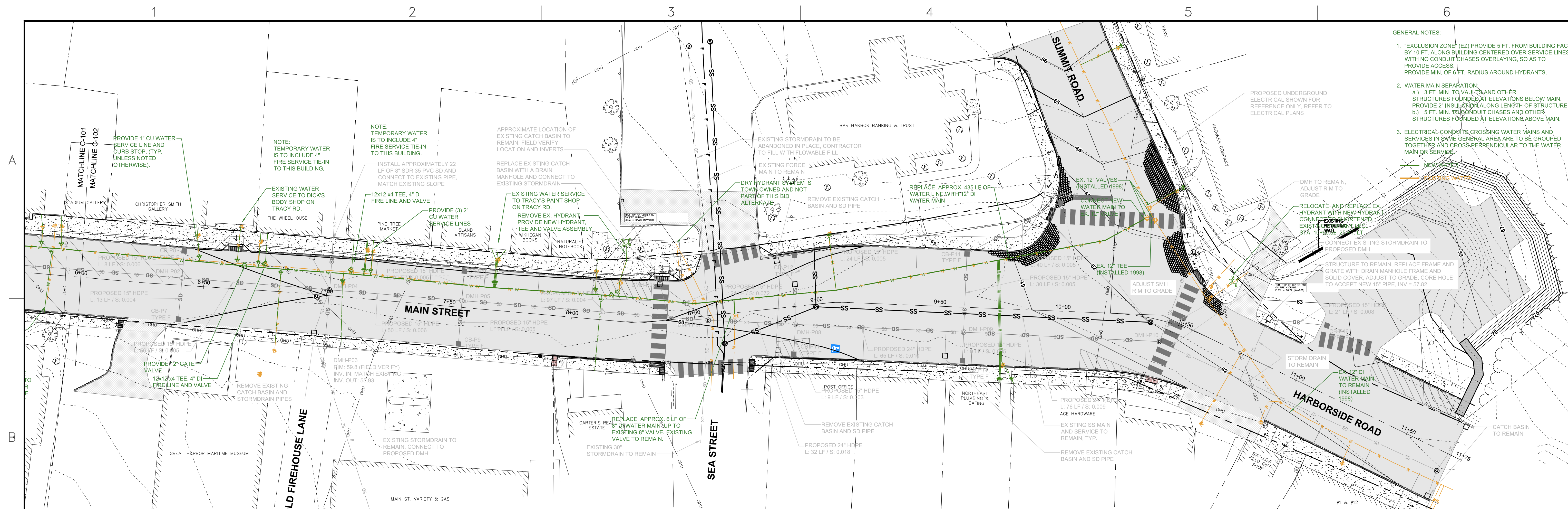
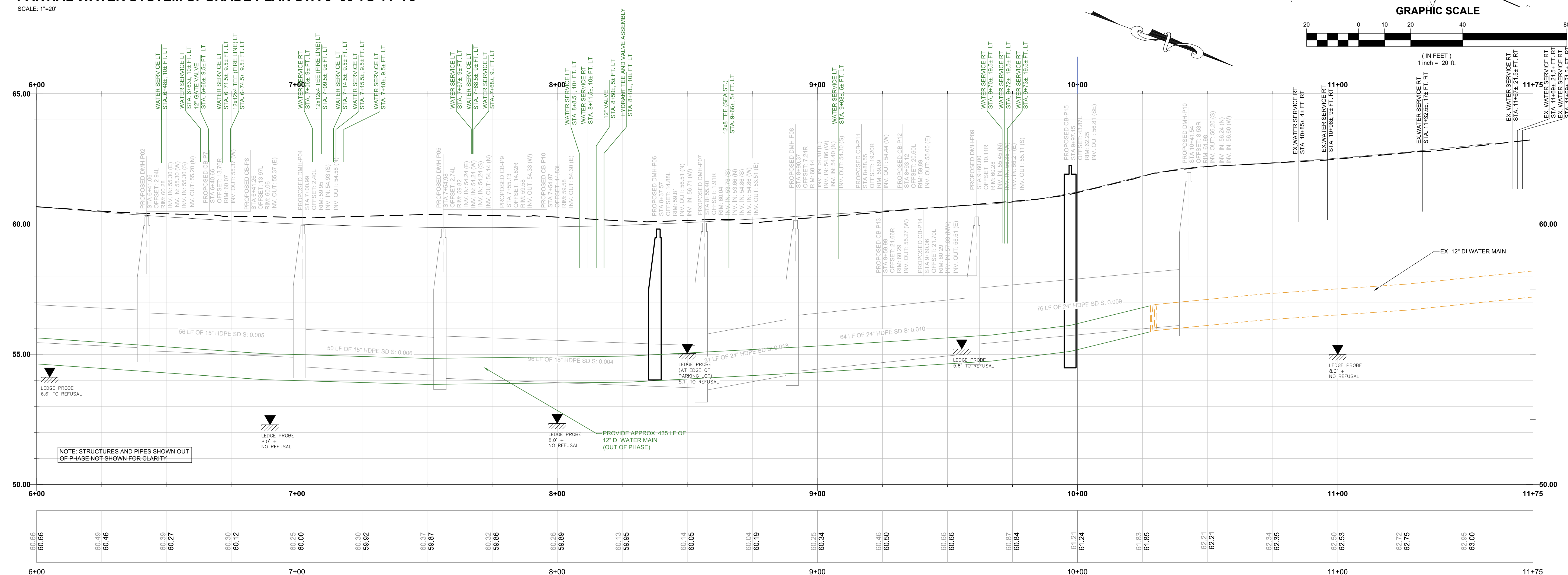






PARTIAL WATER SYSTEM UPGRADE PLAN STA 6+00 TO 11+75
SCALE: 1"=20'



PROFILE VIEW STA 6+00 TO 11+75
SCALE: H: 1"=20' / V: 1"=2'

BID SET

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MAIN STREET PARTIAL PLAN
WATER SYSTEM UPGRADE
STA. 6+00 TO STA. 11+75

MOUNT DESERT WATER DISTRICT

SOUTHEAST HARBOR VILLAGE CENTER
WATER MAIN UPGRADE

JOB NO.:97313.01
DATE: FEB. 2018
SCALE: AS NOTED
SHEET: 2 OF



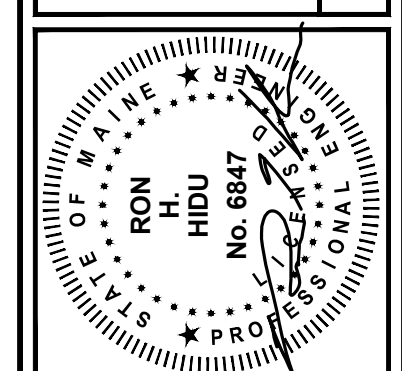
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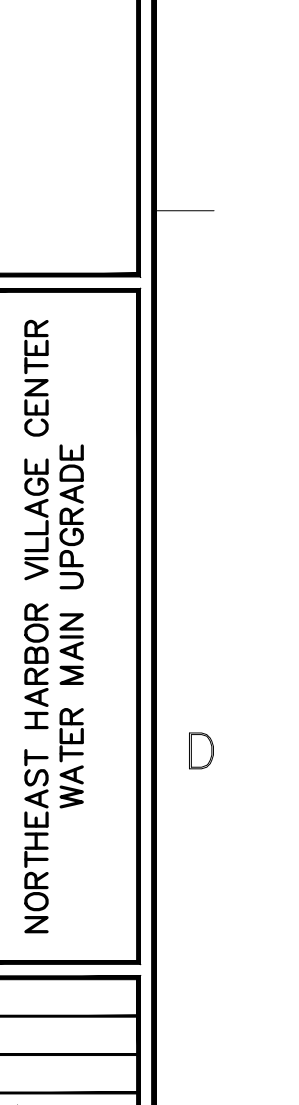
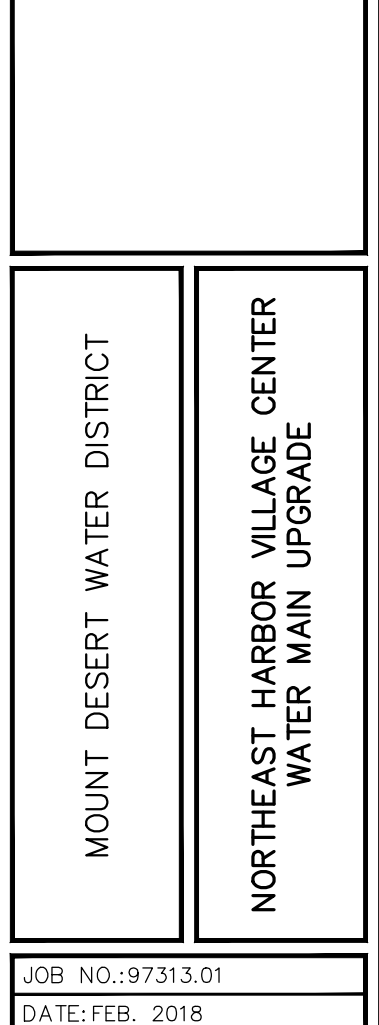
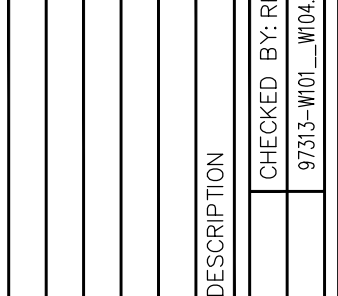
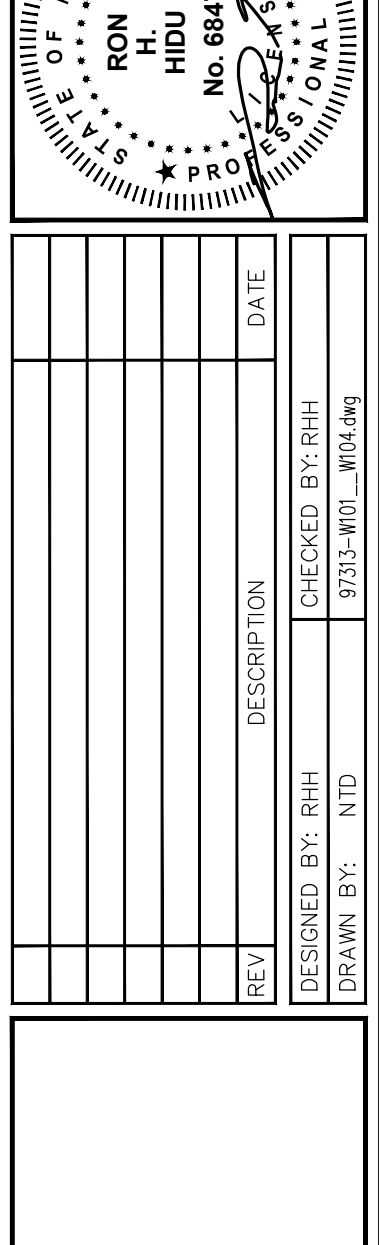
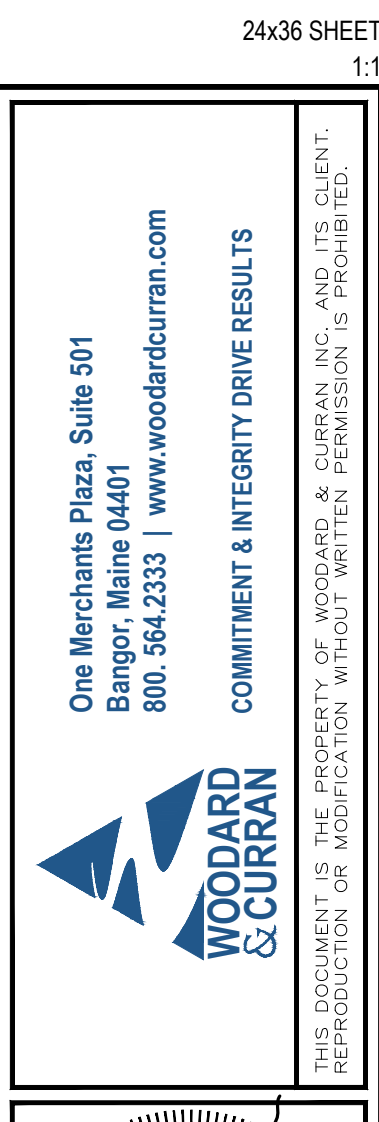
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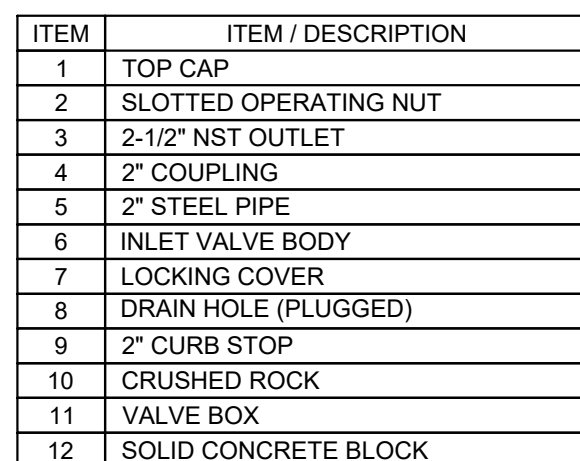
One Merchants Plaza, Suite 501
 Bangor, Maine 04401
 800.564.2333 | www.woodardcurran.com

COMMITMENT & INTEGRITY DRIVE RESULTS

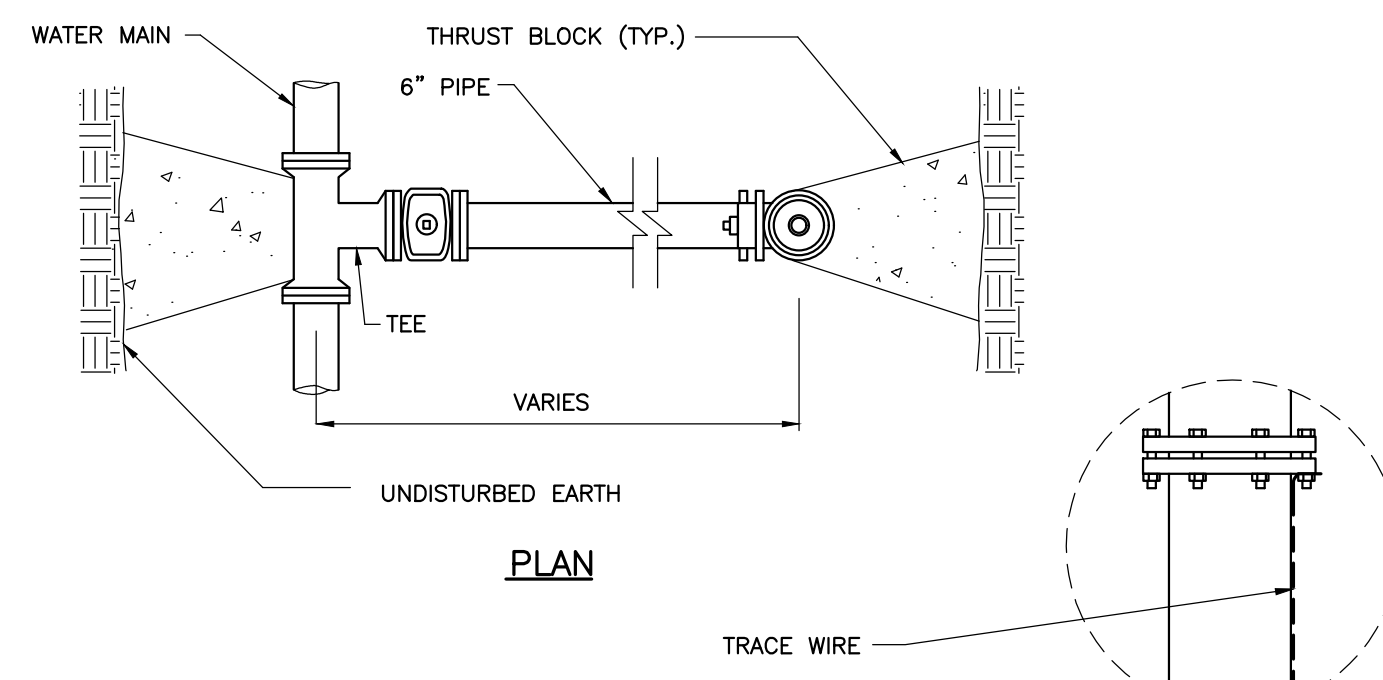
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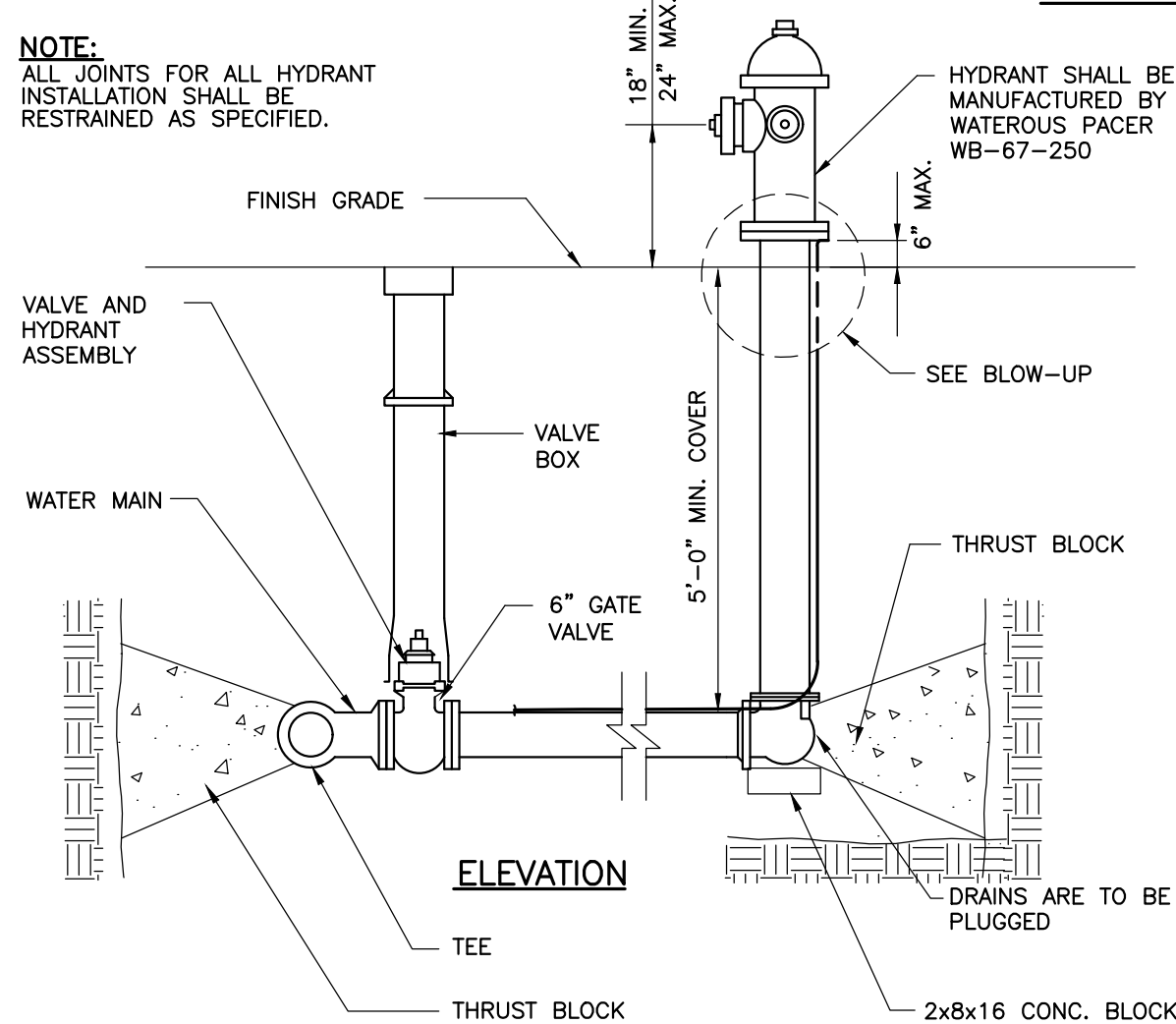




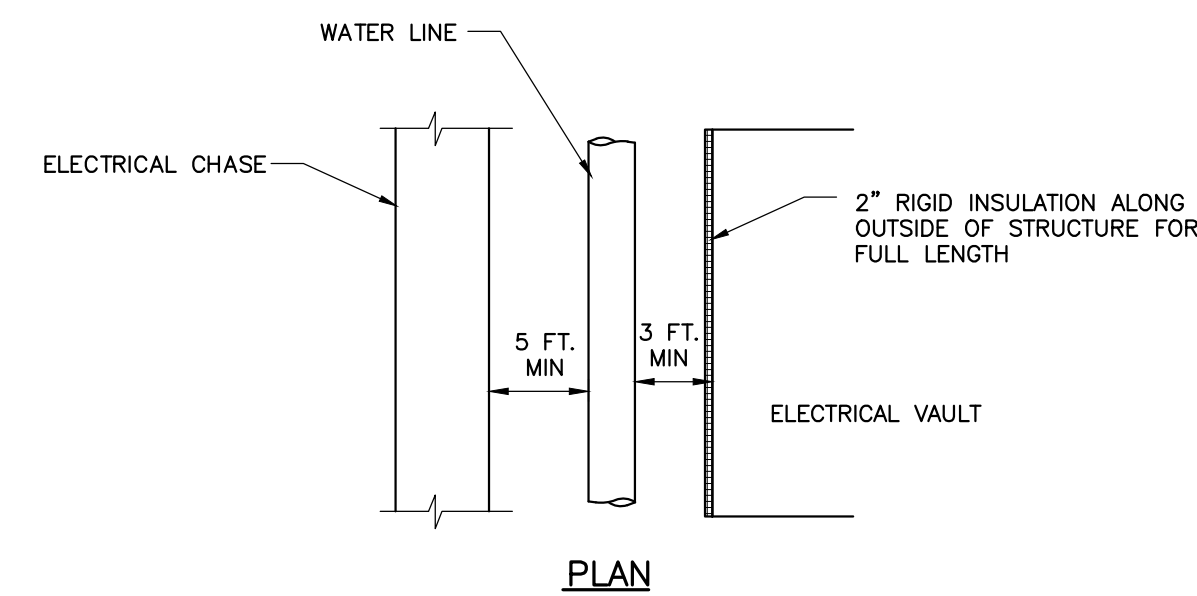
TYPICAL YARD HYDRANT/BLOW OFF DETAIL
N.T.S.



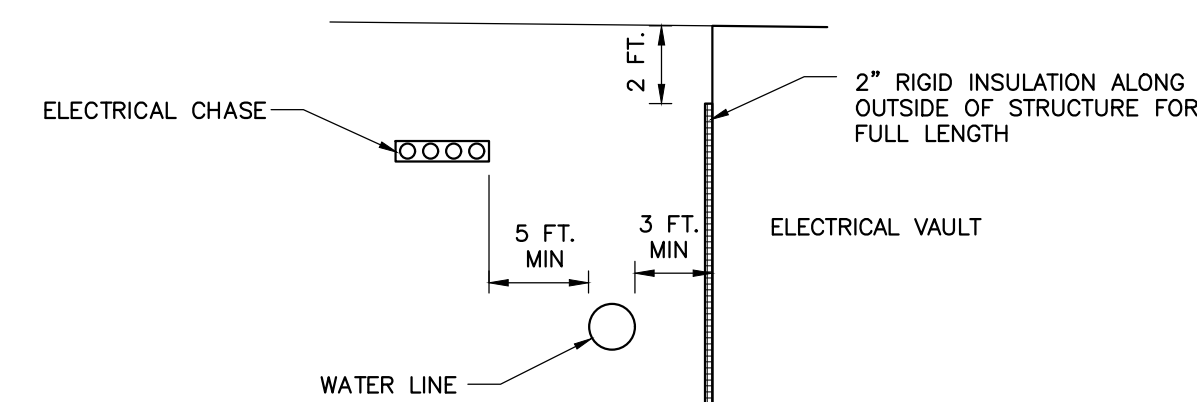
TRACE WIRE RISER



TYPICAL HYDRANT ASSEMBLY DETAIL



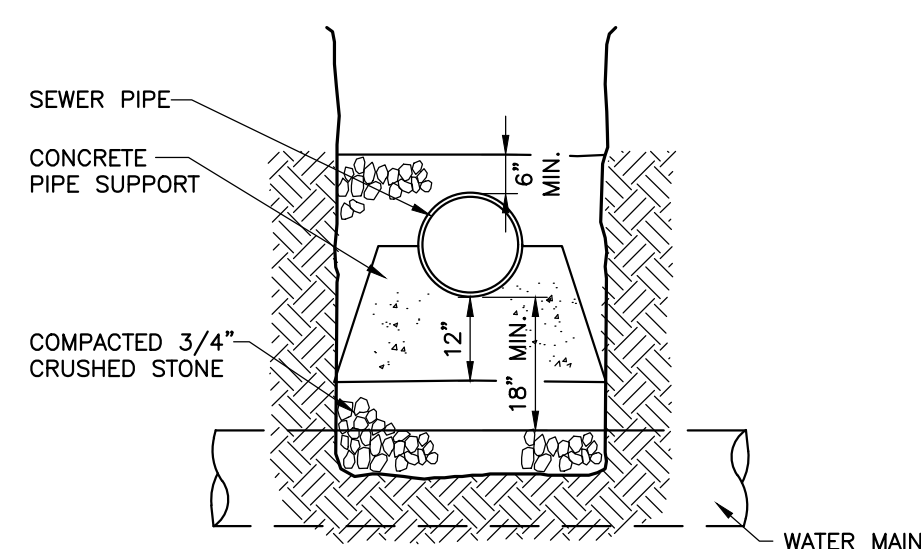
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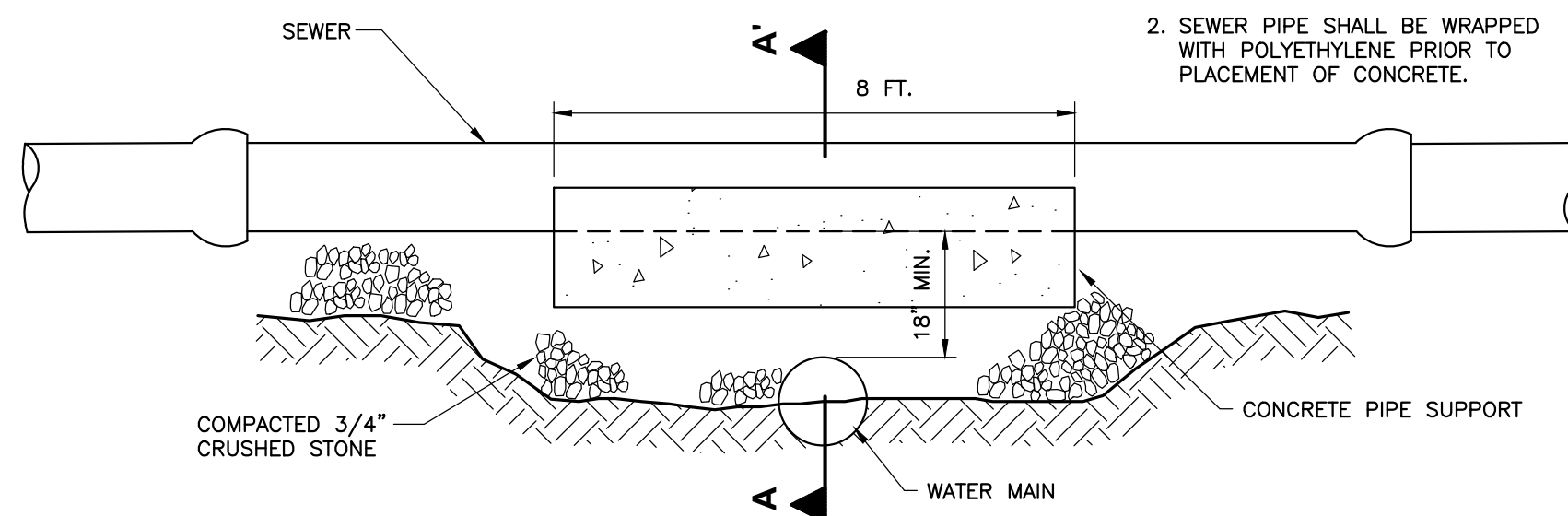
SECTION

WATER MAIN AND ELECTRICAL STRUCTURE SEPARATION DETAIL

N.T.S.

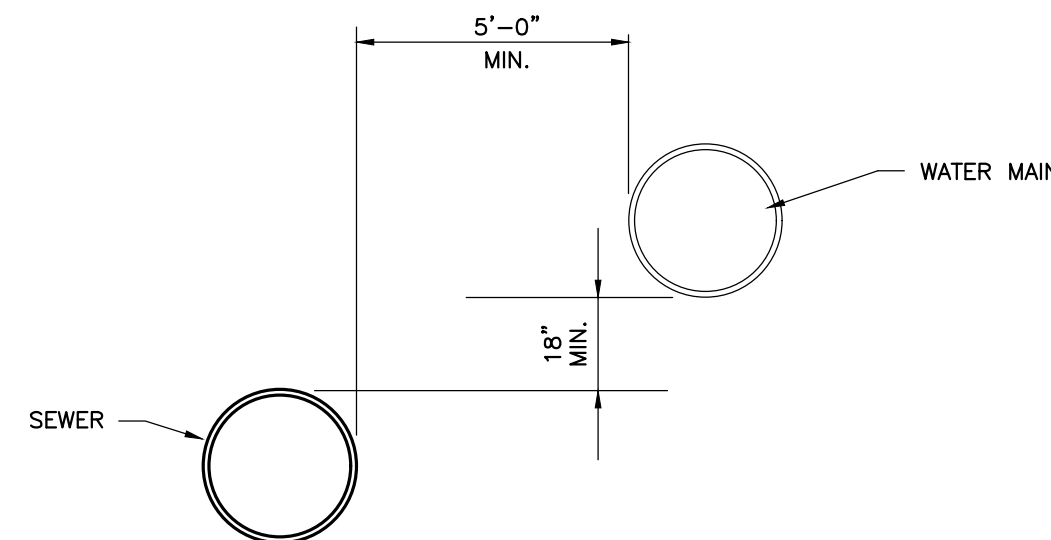


SECTION A-A'



CONCRETE PIPE SUPPORT FOR SEWER MAINS CROSSING ABOVE WATER MAINS

N.T.S



UNUSUAL CONDITION
PARALLEL INSTALLATION

NOTES:

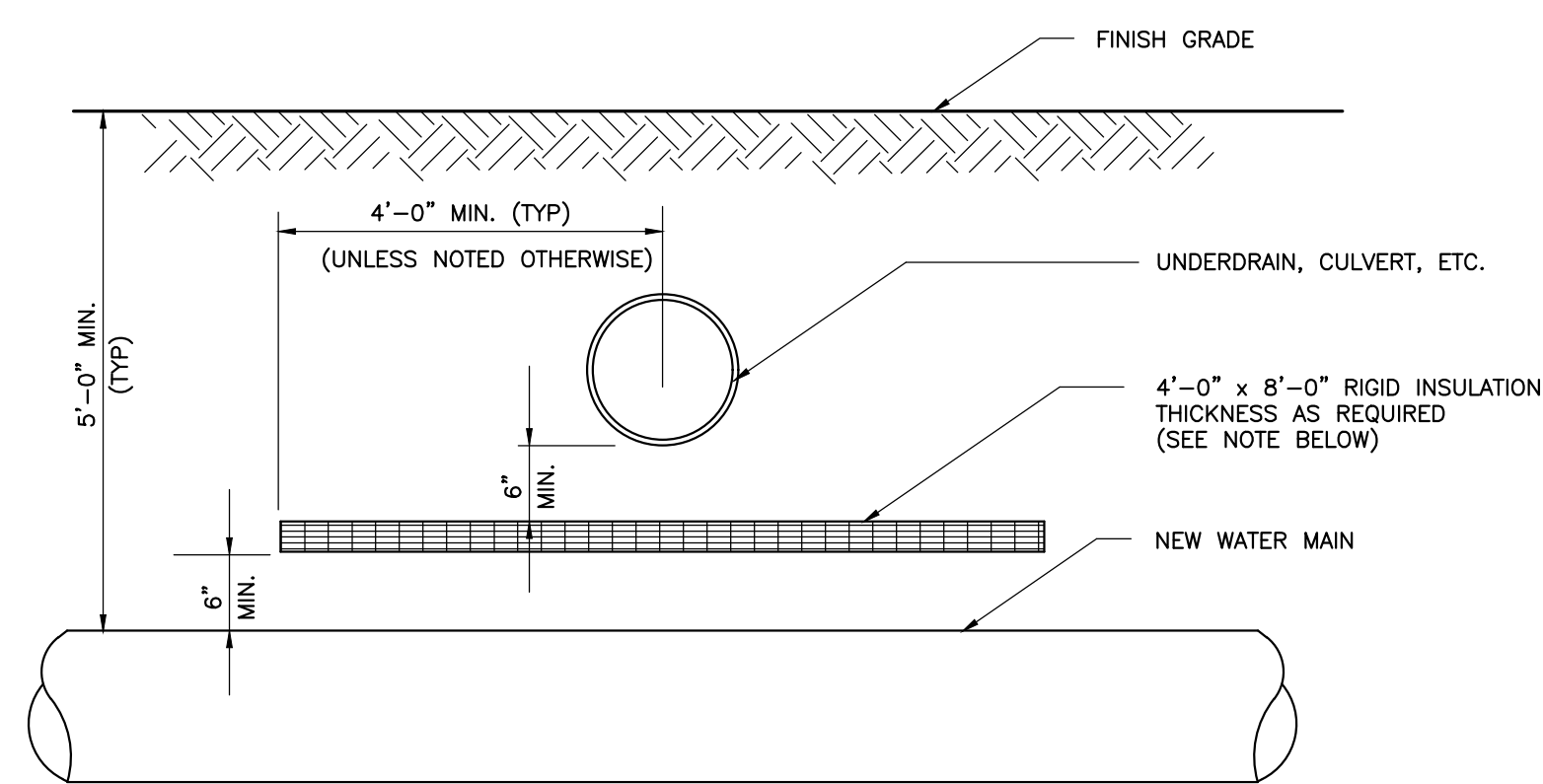
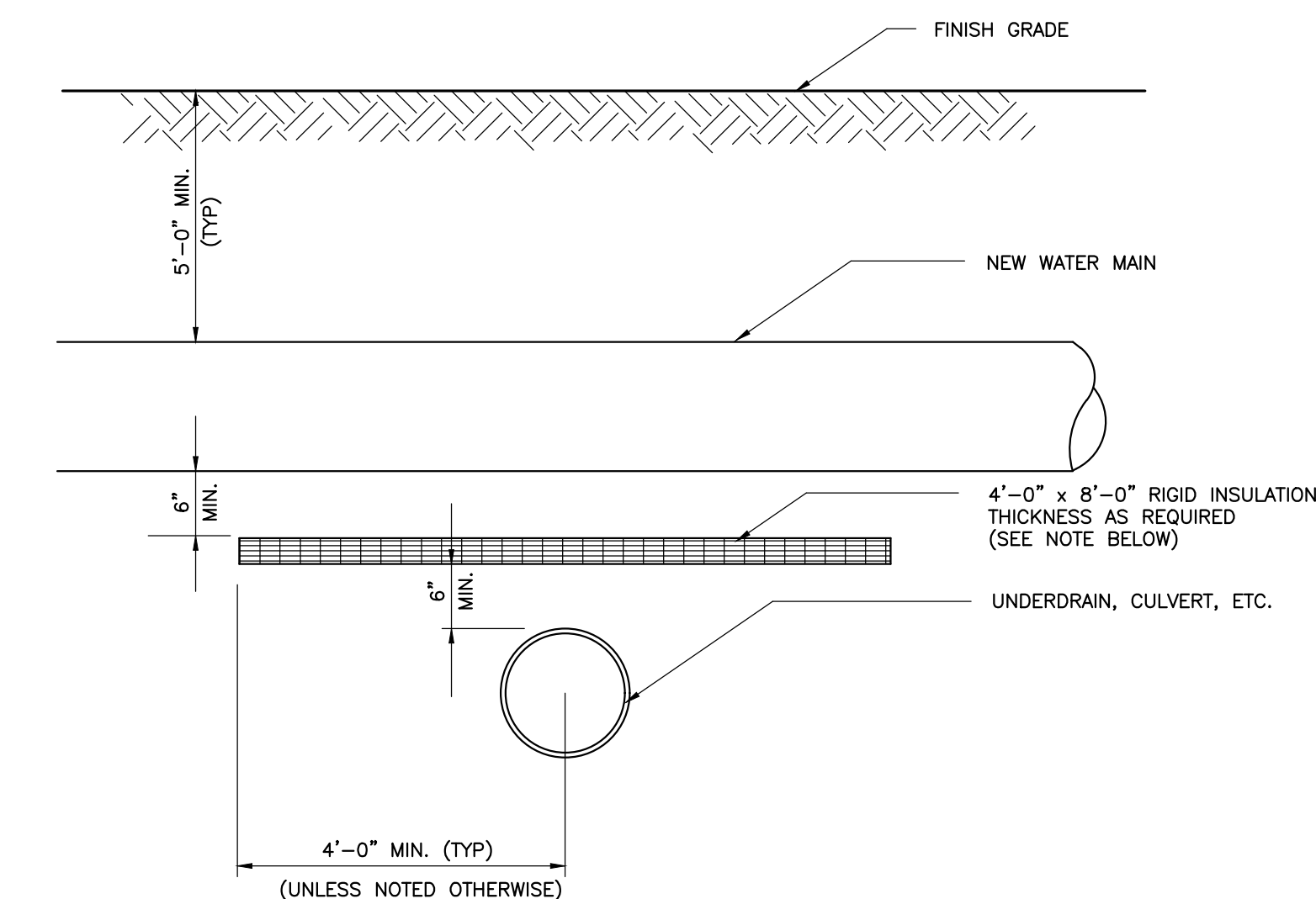
THE SEPARATION OF WATER MAINS AND SEWERS SHALL COMPLY WITH THE MAINE DEPARTMENT OF HUMAN SERVICES DIVISION OF HEALTH ENGINEERING REQUIREMENTS WHICH ARE GENERALLY AS FOLLOWS:

A. PARALLEL INSTALLATION:

1. NORMAL CONDITIONS: THE INSIDE EDGE OF A WATER MAIN SHALL BE LAID AT LEAST 10 FEET HORIZONTALLY FROM THE INSIDE EDGE OF ANY SANITARY SEWER, STORM SEWER OR SEWER MANHOLE.
2. UNUSUAL CONDITIONS: WHEN LOCAL CONDITIONS PREVENT A HORIZONTAL SEPARATION OF 10 FEET, THE INSIDE EDGE OF A WATER MAIN MAY BE LAID A MINIMUM OF 5 FEET FROM THE INSIDE EDGE OF A SEWER PROVIDED THAT THE BOTTOM OF THE WATER MAIN IS AT LEAST 18 INCHES HIGHER THAN THE TOP OF THE SEWER (SEE DETAIL).
- B. CROSSINGS:
1. NORMAL CONDITIONS: WHENEVER POSSIBLE, THE BOTTOM OF THE WATER MAIN SHALL BE AT LEAST 18 INCHES HIGHER THAN THE TOP OF THE SEWER.
2. UNUSUAL CONDITIONS: IF A WATER MAIN MUST CROSS UNDER A SEWER, THE TOP OF THE WATER MAIN SHALL BE AT LEAST 18 INCHES LOWER THAN THE BOTTOM OF THE SEWER. THE WATER MAIN PIPE SHALL BE CENTERED AS THE CROSSING SO THAT THE JOINTS ARE EQUIDISTANT AND AS FAR AS POSSIBLE FROM THE SEWER, AND CONCRETE ENCASEMENT SHALL BE PROVIDED FOR THE SEWER TO PREVENT EXCESSIVE DEFLECTION AT THE SEWER AT THE CROSSING.

MINIMUM WATER AND SEWER PIPE SEPARATION DETAIL

N.T.S

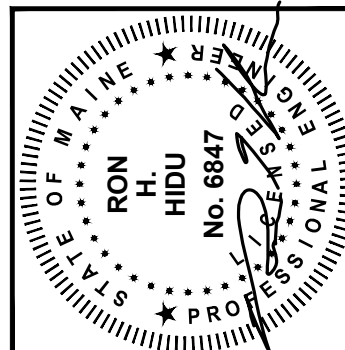


NOTE:

THE THICKNESS OF THE RIGID INSULATION SHALL BE SUFFICIENT TO PROVIDE AN EQUIVALENT OF 5.5 FEET OF SOIL BETWEEN THE WATER MAIN AND THE UNDERDRAIN CULVERT, ETC. ONE INCH OF RIGID INSULATION SHALL BE EQUIVALENT TO ONE FOOT OF SOIL.

TYPICAL PIPE CROSSING INSULATION DETAILS

N.T.S

[illegible]

STANDARD DETAILS - 2

MOUNT DESERT WATER DISTRICT

AST HARBOR VILLAGE CENTER
WATER MAIN UPGRADE

JOB NO.:97313.01

DATE: FEB. 2018

SCALE: AS NOTED

SHEET: 4 OF 4

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