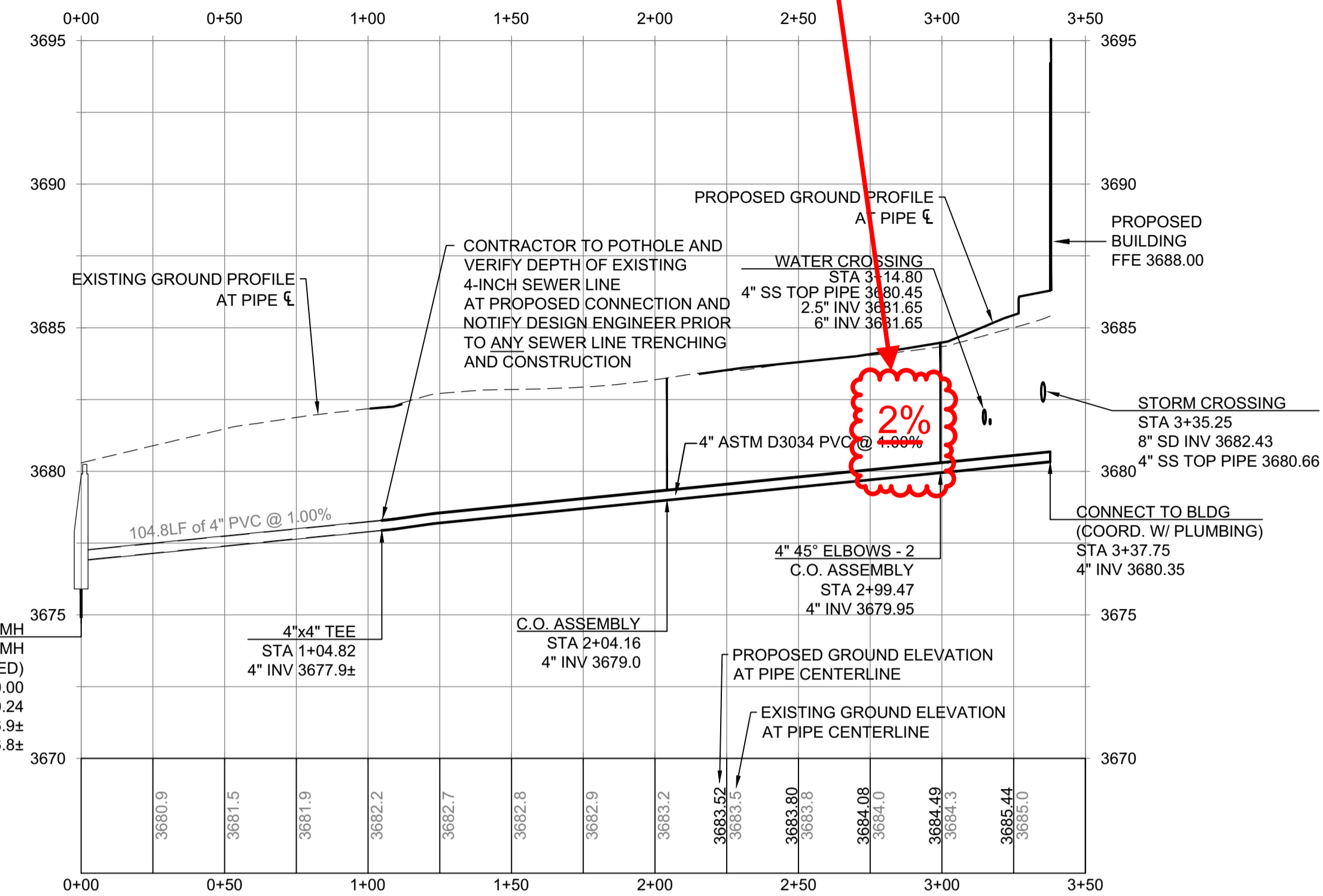


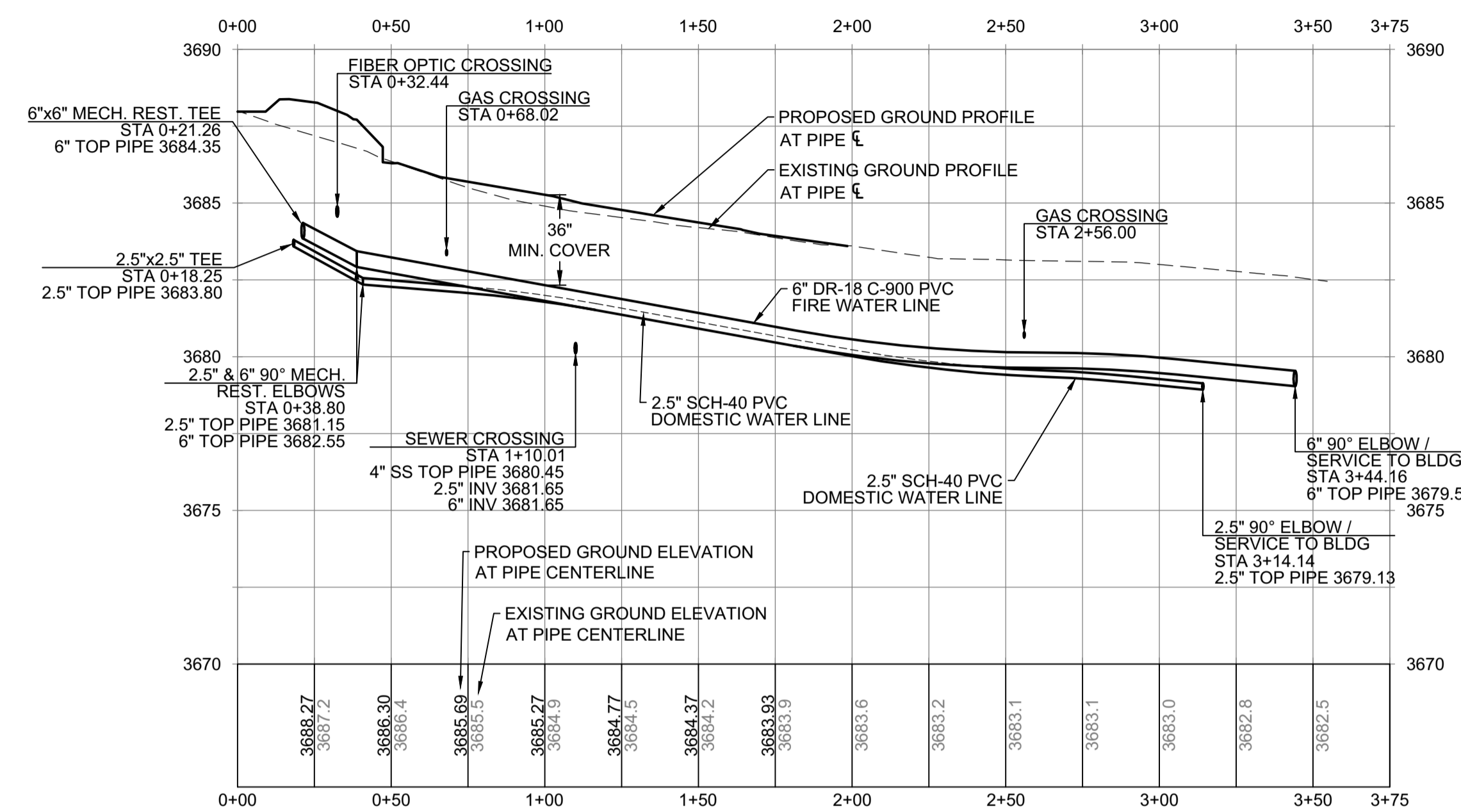
All plumbing systems, piping, installation and fixtures shall comply with the 2014 OPSC.  
 Horizontal drainage piping shall be run in practical alignment and a uniform slope of not less than 1/4" per foot toward the point disposal, piping 4" or larger in diameter shall be permitted to have a slope of not less than 1/8" per foot where first approved by the building official.  
 JMI 07/19/17



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 EXPIRES: 30 JUNE, 2019



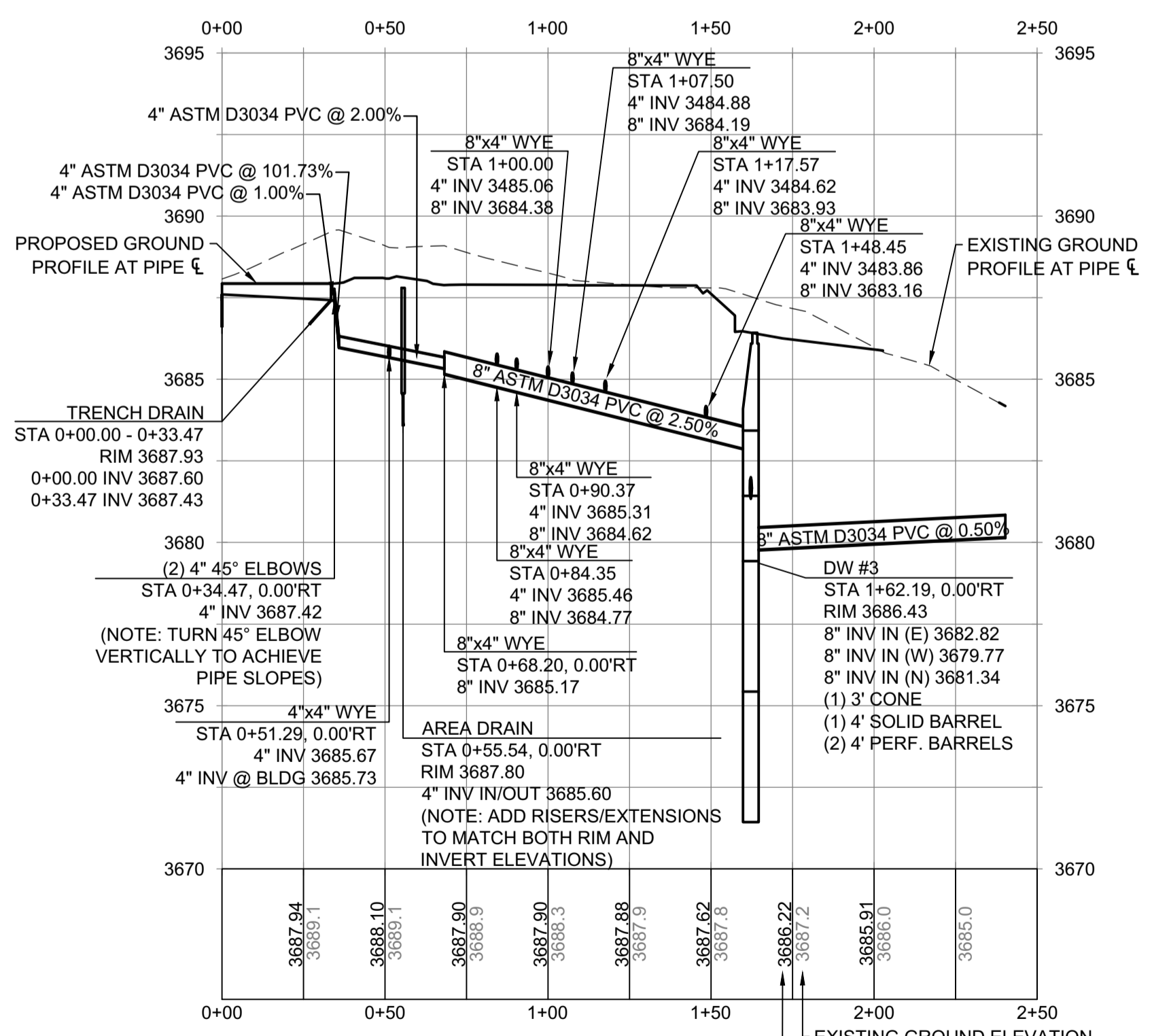
1 SEWER PROFILE  
 C5.1 SCALE: HORIZONTAL 1"=40' / VERTICAL 1"=4'



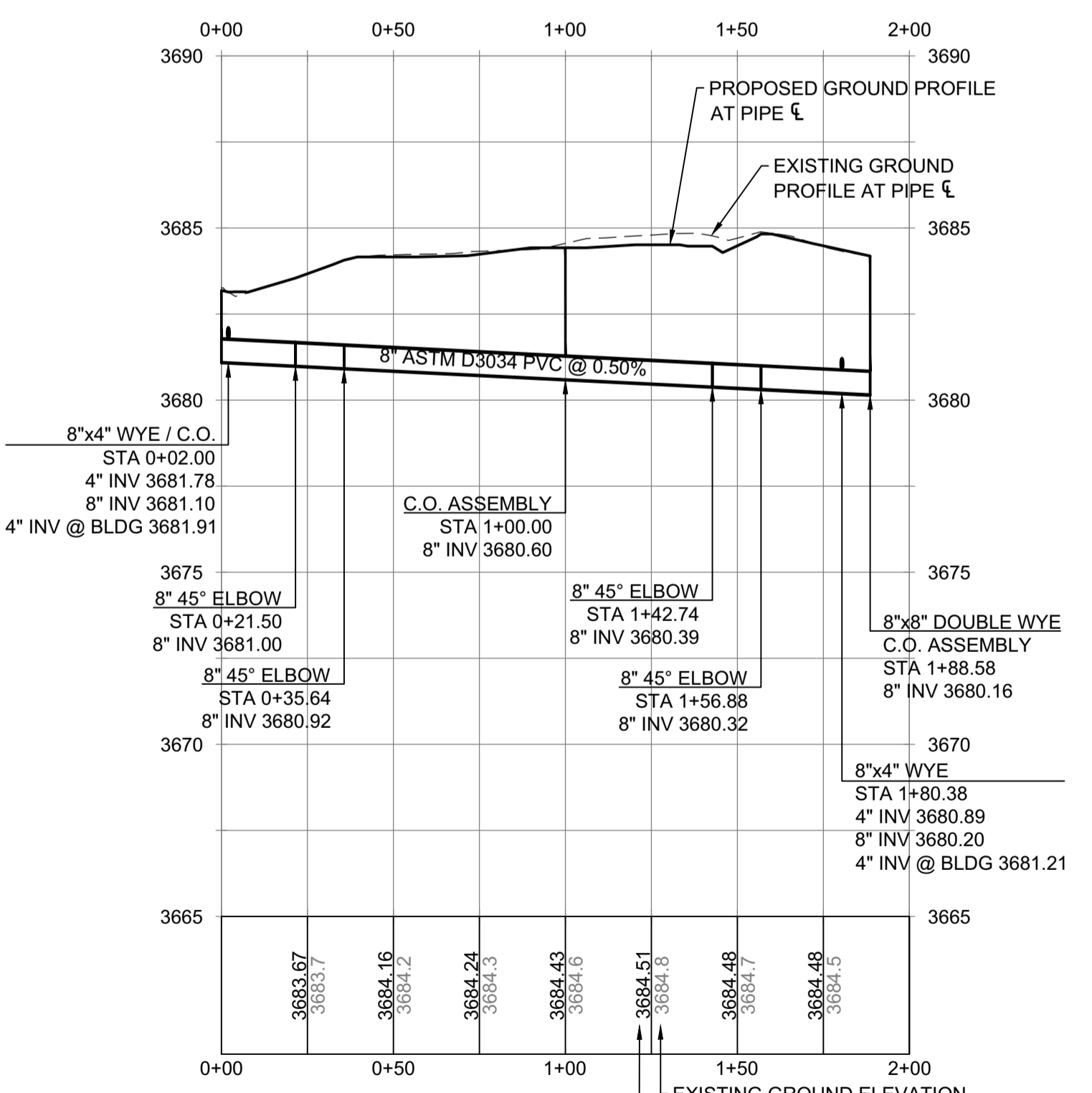
2 WATER PROFILE  
 C5.1 SCALE: HORIZONTAL 1"=40' / VERTICAL 1"=4'

GENERAL NOTES

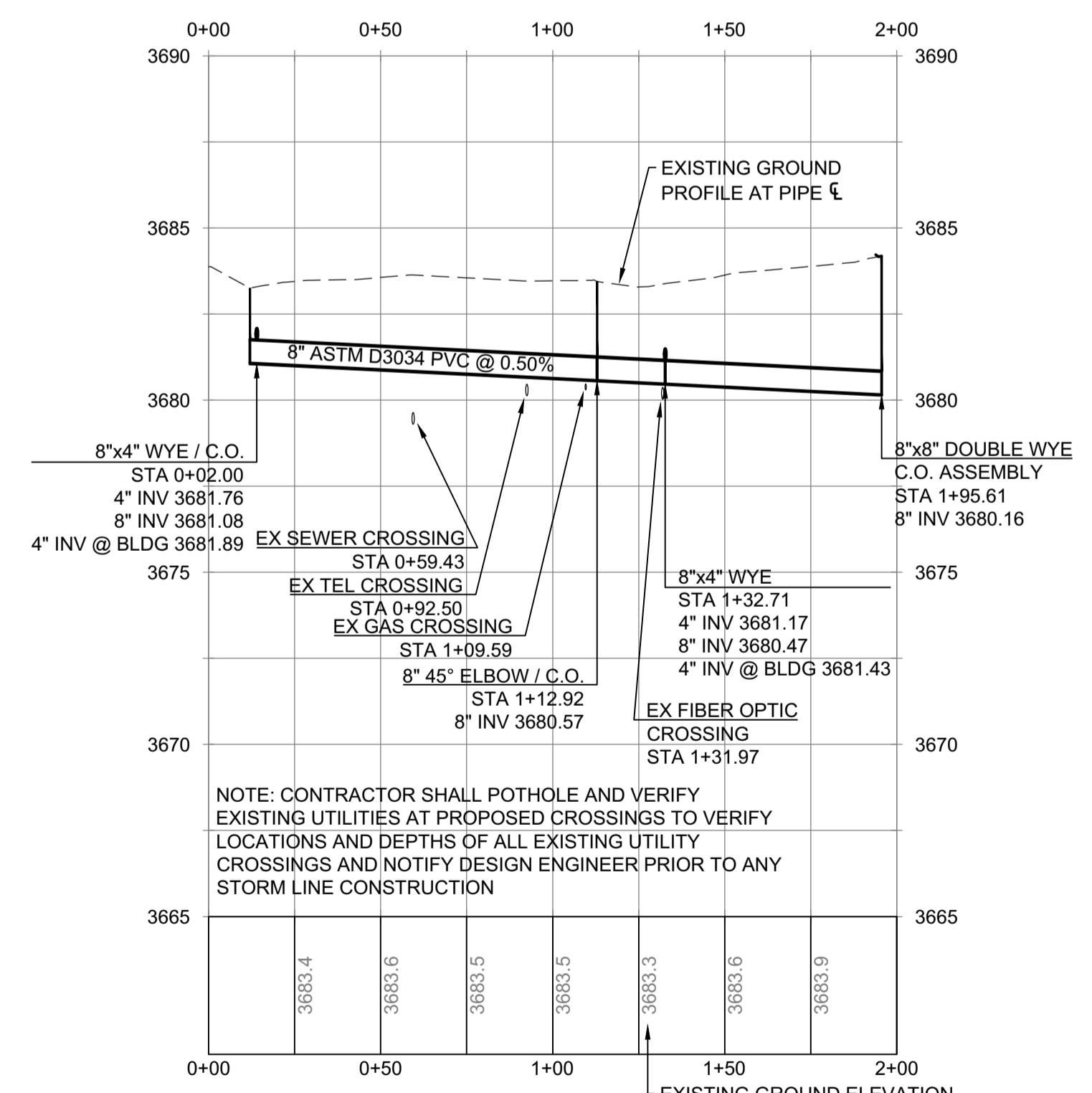
- ALL PUBLIC UTILITIES SHALL BE IN CONFORMANCE WITH CITY OF BEND STANDARDS AND SPECS.
- ALL PRIVATE UTILITIES SHALL BE IN CONFORMANCE WITH THESE PLANS, PROJECT SPECIFICATIONS, AND 2014 OREGON PLUMBING SPECIALTY CODE (OPSC).
- ALL SANITARY SEWER PIPING UNDER COVERED PORCHES, OR WITHIN 5' OF THE BUILDING SHALL BE OF MATERIALS IN CONFORMANCE WITH THE PLUMBING CODE. ALL OTHER SEWER PIPING SHALL BE PVC ASTM D-3034, UNLESS NOTED OTHERWISE.
- ALL STORM SEWER PIPING IN COMMON TRENCHES WITH WATER, OR LOCATED UNDER PORCHES, OR WITHIN 5' OF THE BUILDING SHALL BE SCH-40 OR ABS. PER 2014 OREGON SPECIALTY PLUMBING CODE 313.5. ALL OTHER STORM SEWER PIPING SHALL BE PVC ASTM-3034, UNLESS NOTED OTHERWISE.
- ALL STORM DRAIN PIPING AND FITTINGS SHALL MEET THE 2014 OPSC AND BE THE SAME AS SPECIFIED FOR SANITARY SEWERS IN SECTION 715.0 OPSC 1101.3.3.
- CATCH BASINS SHALL COMPLY WITH 2014 OPSC 1101.10
- STORM CLEANOUTS SHALL BE INSTALLED AT INTERVALS NOT TO EXCEED 100' IN STRAIGHT RUNS AND FOR EACH AGGREGATE HORIZONTAL CHANGE IN DIRECTION EXCEEDING 135 DEGREES PER 2014 OPSC 1101.12, 719.0.
- ALL DRYWELLS SHALL HAVE PERFORMANCE TESTING WITNESSED BY THE DESIGN ENGINEER PRIOR TO FINAL GRADING CONSTRUCTION.
- MANHOLES - THE INLET AND OUTLET CONNECTIONS SHALL BE MADE BY USE OF A FLEXIBLE JOINT NOT LESS THAN 12 INCHES AND NOT EXCEEDING 3 FEET PER 2014 OPSC 719.5. THE MAXIMUM DISTANCE BETWEEN MANHOLES SHALL NOT EXCEED 300 FEET PER 2014 OPSC 719.5.
- CONNECT BUILDING DOWNSPOUTS TO PROPOSED ROOF DRAINS. COORDINATE WITH BUILDING PLUMBING PLANS.
- BUILDING SEWERS SHALL BE RUN IN PRACTICAL ALIGNMENT AT A UNIFORM SLOPE OF NOT LESS THAN A QUARTER INCH PER FOOT TOWARD THE POINT OF DISPOSAL, WHERE APPROVED BY THE BUILDING OFFICIAL AND WHERE IT IS IMPRACTICAL DUE TO THE DEPTH OF THE STREET SEWER OR STRUCTURAL FEATURES 4-INCH THROUGH 6-INCH SHALL BE PERMITTED TO HAVE A SLOPE OF NOT LESS THAN ONE EIGHTH INCH PER FOOT AND SUCH PIPING 8-INCH AND LARGER SHALL BE PERMITTED TO HAVE A SLOPE OF NOT LESS THAN ONE SIXTEENTH INCH PER FOOT LAID PER 2014 OPSC 718.1.
- MECHANICAL (MECH.) JOINT RESTRAINTS ON FIRE SERVICE AND DOMESTIC SERVICE PIPING SHALL BE "MEGA LUG" FITTINGS AS MANUFACTURED BY EBAA IRON, INC. OR ENGINEER-APPROVED EQUAL COMPLYING WITH AWWA C-600 AND ASTM D-2774.



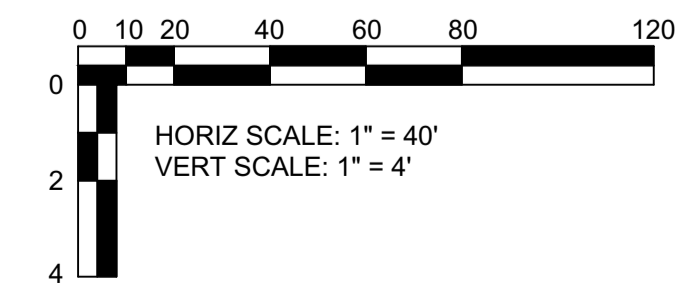
3 STORM-3a PROFILE  
 C5.1 SCALE: HORIZONTAL 1"=40' / VERTICAL 1"=4'



4 STORM-3c PROFILE  
 C5.1 SCALE: HORIZONTAL 1"=40' / VERTICAL 1"=4'



5 STORM-3d PROFILE  
 C5.1 SCALE: HORIZONTAL 1"=40' / VERTICAL 1"=4'



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BLS - TRANSPORTATION FACILITY 2017  
 501 SE 2ND STREET BEND, OR  
 UTILITY PROFILES  
 SHOP BUILDING

JOB NO	16116.01
DATE	7/10/2017
DRAWN BY	SCP
CHECKED BY	GMH
REVISIONS	DATE
PERMIT SUBMITTAL	07/14/2017

SHEET NO  
**C5.1**

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PERMIT REVIEW SET