

NOTES AND AMENDMENTS TO THE PROJECT

- The water system in this building will be winterized annually on or around October 15 and will reopen the following May 15. The Well Detail 4PI and the Well System Detail 5PI (page 14 of 15) do not show an auto drain back from the building to the well. Estimate of costs should include this mechanism. (
- We received the following inquiry on specifications. The responses follow.
 1. We use slag in all of our commercial mixes typically at 30% replacement. Is this allowed?
 2. You specify a 3000 psi concrete but a 0.40 w/c. These do not line up. This will significantly drive up the cement content toward what would be seen in a 4500 psi air entrained mix. Do you need a 0.40 w/c?
 3. Your total air content is 4.0%. Is this for the footings, walls, and interior slab on grade?
 4. The toilet partition specifications- section 102113- call for both phenolic and HDPE.
 1. Can we get clarification as to which material they want?
 - MaineDOT's response to ash vs slag from MaineDOT is that the Standard Specification for 502 Structural Concrete has: 502.05 - Concrete mix designs shall contain no more than 30 percent fly ash or 50 percent slag pozzolan cement replacement, by weight. Section 535 Precast Concrete mentions: 535.13 - Fly Ash (when used) 40% of cementitious material (maximum) Slag (when used) 50% of cementitious material (maximum). So either one it might fall into, 30% slag seems okay being under the 50% maximum.
 - The 40% w/c ratio is the max, which, as you note, would produce a 4500 psi product. The target here is a 3000 psi minimum that requires a different w/c ratio. Specifying 3000 psi to cement supplier likely will produce the product needed and at a w/c ratio to meet that spec.
 - The 4% is listed in the Concrete Mix Design section and no other place and should be used as the standard.
 - As to the materials used in the partitions, phenolic vs HDPE, the project owner is opting for HDPE since it seems to be more durable of the tw
- The outside spigot must be tamper-proof and unavailable to public use. (Posted 1/28/2023)
- **UPDATE 3/8/2023** UVEC will entertain estimates for foundation walls made of concrete blocks reinforced with reinforcement bars. See Wall Detail on Page 10 as a guide to foundation wall. Aside from change to wall design, all other elements of the Foundation Detail on Page 3 remain unchanged.