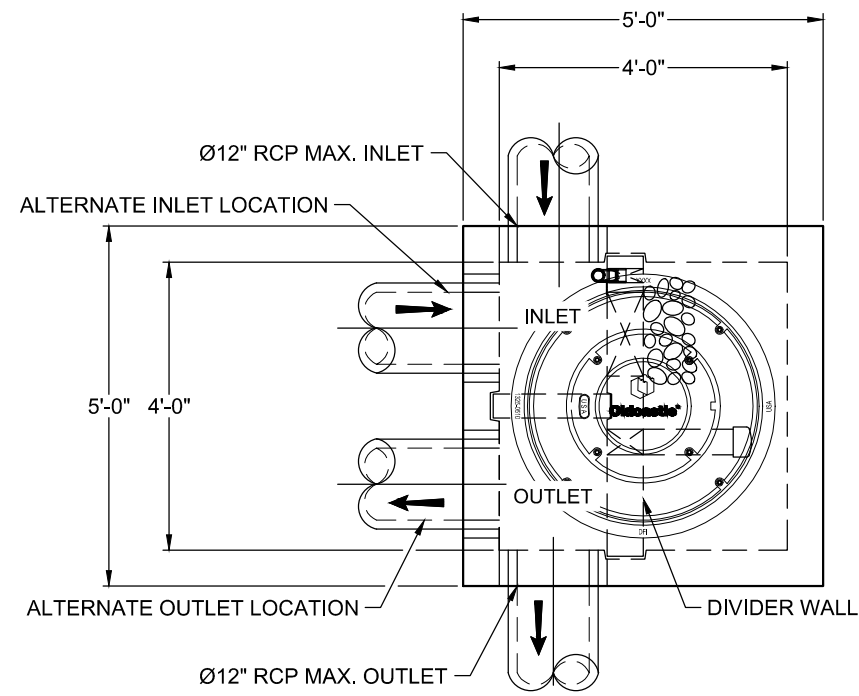
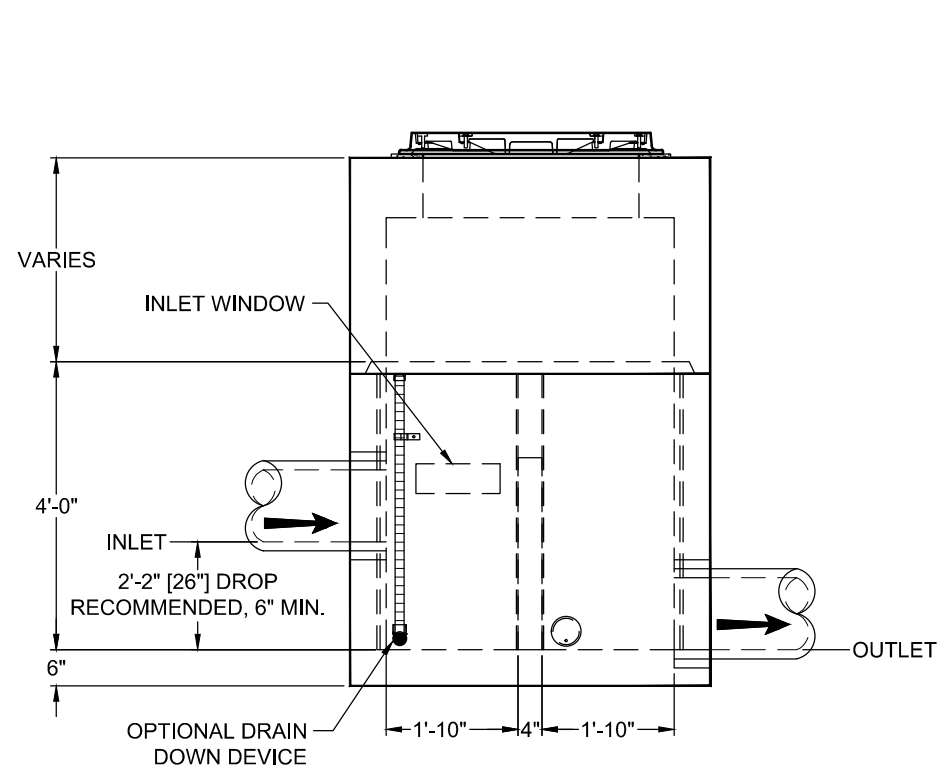


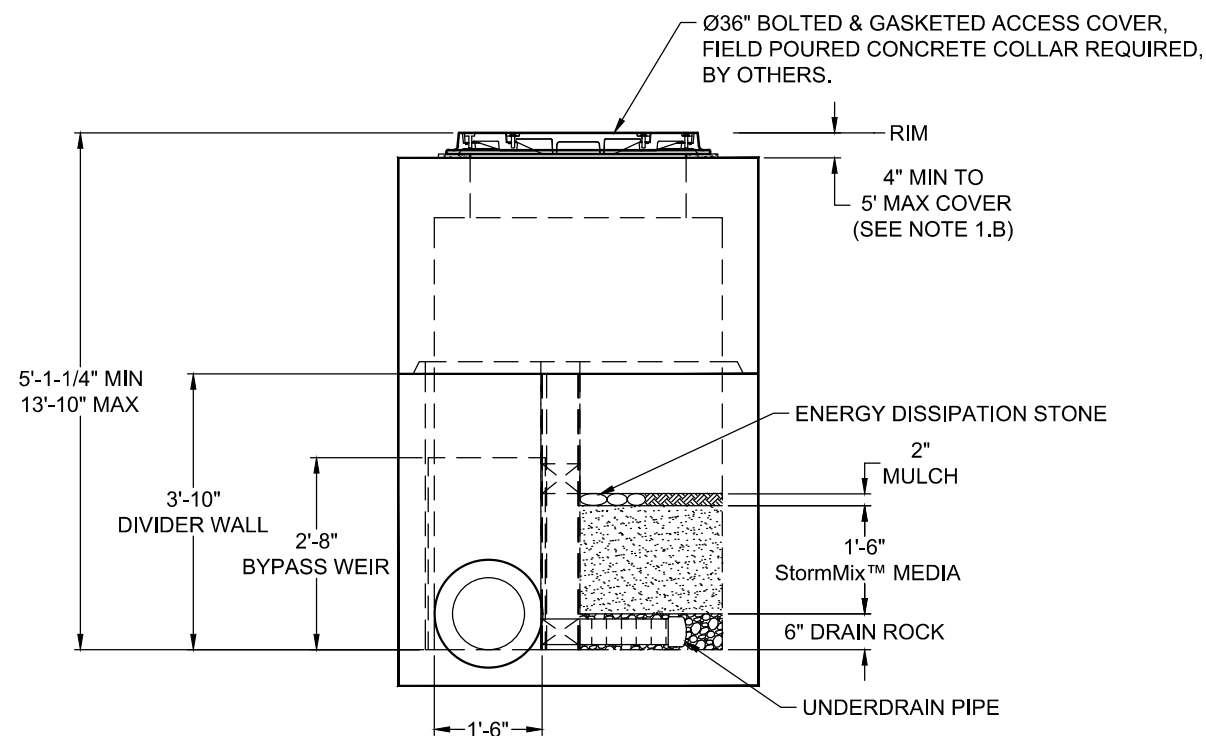
| SITE SPECIFIC DATA  |               |           |           |                  |
|---|---------------|-----------|-----------|------------------|
| Structure ID  | ID            |           |           |                  |
| Treatment Flow Rate (cfs)                                     | -             |           |           |                  |
| Peak Flow Rate (cfs)  | -             |           |           |                  |
| Rim Elevation   | -             |           |           |                  |
| Top of Vault Elevation  | -             |           |           |                  |
| Pipe Data   | Pipe Location | Pipe Size | Pipe Type | Invert Elevation |
| Inlet   | -             | -         | -         | -                |
| Outlet  | -             | -         | -         | -                |
| Notes:  |               |           |           |                  |
| PERFORMANCE SPECIFICATIONS                                    |               |           |           |                  |
| Treatment Flow Capacities:*                                   |               |           |           |                  |
| NJDEP 80% Removal, 75 micron                                  | 0.032 cfs     |           |           |                  |
| WA Ecology GULD - Basic, Enhanced & Phosphorus                | 0.029 cfs     |           |           |                  |
| Bypass Capacity   | 5.0 cfs       |           |           |                  |
| *Contact Oldcastle for alternative treatment flow capacities. |               |           |           |                  |



PLAN VIEW



LEFT END VIEW



ELEVATION VIEW

NOTES:

- DESIGN LOADINGS:
  - AASHTO HS-20-44 (WITH IMPACT)
  - DESIGN SOIL COVER: 5'-0" MAXIMUM
  - ASSUMED WATER TABLE: BELOW BASE OF PRECAST (ENGINEER-OF-RECORD TO CONFIRM SITE WATER TABLE ELEVATION)
  - LATERAL EARTH PRESSURE: 45 PCF (DRAINED)
  - LATERAL LIVE LOAD SURCHARGE: 80 PSF (APPLIED TO 8'-0" BELOW GRADE)
  - NO LATERAL SURCHARGE FROM ADJACENT BUILDINGS, WALLS, PIERS, OR FOUNDATIONS.
- CONCRETE 28-DAY MINIMUM COMPRESSIVE STRENGTH: 5,000 PSI MINIMUM.
- REINFORCING: REBAR, ASTM A615/A706, GRADE 60
- CEMENT: ASTM C150
- REQUIRED ALLOWABLE SOIL BEARING CAPACITY: 2,500 PSF
- REFERENCE STANDARD:
  - ASTM C890
  - ASTM C913
  - ACI 318-14
- THIS STRUCTURE IS DESIGNED TO THE PARAMETERS NOTED HEREIN. ENGINEER-OF-RECORD SHALL VERIFY FY THAT NOTED PARAMETERS MEET OR EXCEED PROJECT REQUIREMENTS. IF DESIGN PARAMETERS ARE INCORRECT, REVIEWING ENGINEER/AUTHORITY SHALL NOTIFY OLDCASTLE INFRASTRUCTURE UPON REVIEW.
- INLET AND OUTLET HOLES WILL BE FACTORY CORED/CAST PER PLANS AND CUSTOMER REQUIREMENTS. INLET AND OUTLET LOCATIONS CAN BE MIRRORED.
- CONTRACTOR RESPONSIBLE TO VERIFY ALL SIZES, LOCATIONS, AND ELEVATIONS OF OPENINGS.
- CONTRACTOR RESPONSIBLE TO ENSURE ADEQUATE BEARING SURFACE IS PROVIDED (I.E. COMPACTED AND LEVEL PER PROJECT SPECIFICATIONS).
- SECTION HEIGHTS, SLAB/WALL THICKNESSES, AND KEYWAYS ARE SUBJECT TO CHANGE AS REQUIRED FOR SITE REQUIREMENTS AND/OR DUE TO PRODUCT AVAILABILITY AND PRODUCTION FACILITY CONSTRAINTS.
- MAXIMUM PICK WEIGHTS\*:
  - TOP: XX,XXX LBS
  - BASE: XX,XXX LBS\* (\* COMBINED WEIGHT OF BASE INCLUDES BYPASS WEIR, DIVIDER WALL, ROCK & MEDIA)
- INTERNALS SHALL CONSIST OF UNDERDRAIN PIPE, ROCK, STORMMIX™ MEDIA, MULCH, DIVIDER WALL, BYPASS WEIR AND OPTIONAL DRAIN DOWN.



Ph: 800.579.8819 | www.oldcastleinfrastructure.com/stormwater  
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BioPod™ Biofilter System (STANDARD)  
 Underground Vault with Internal Bypass

CUSTOMER  
 -  
 PROJECT NAME  
 -

| SHEET NAME                 | REVISION | SHEET  |
|----------------------------|----------|--------|
| Specifier Drawing BPU-441B | -        | 1 OF 1 |
|                            | REV DATE |        |

