1. **Construct Structural Pollution Control Device (SPCD):**

The storm sewer system designed for this project includes an SPCD designated as XXX. This structure shall be a commercially available product that is fabricated and constructed in accordance with the applicable provisions for manholes and catchbasins as defined in these project specifications, the manufacturer’s recommendations, and the following:

* 1. Materials Requirements:
     1. Connections shall be watertight, either via elastomeric seals or cemented by the contractor using non-shrink grout.
     2. Internal components and hardware shall be made of non-corroding material only – stainless steel, aluminum, reinforced concrete, fiberglass, or copolymer plastic.
     3. Castings shall be vented and meet local government unit’s requirements.
     4. The structure and castings shall be rated for HS-20 loading.
  2. Performance Testing Requirements:
     1. Full-scale testing only - testing of scaled units will not be accepted.
     2. Testing performed by an independent third party.
     3. Removal efficiencies must be determined by the use of mass balance. Testing that utilizes sampling (e.g. automated samplers or grab samples) will not be accepted.
     4. The water temperature during the testing should be within the range of 64oF – 68oF. Units tested above this temperature range must account for decreased water viscosities in their testing results and/or scaling.
  3. Project Performance Requirements:
     1. All units must:
        1. Provide a means to remove and contain sediment, oils, and fuels from stormwater runoff during frequent wet weather events, without the use of special sorbent material. DELETE WHEN NOT INCLUDING A SKIMMER
        2. Be non-mechanical and flow driven, requiring no external power.
        3. Not block/clog or have a reduction of treatment capacity during normal operation.
        4. Be configured to minimize the potential for scour and resuspension of materials during high flows.
        5. Be designed to not allow trapped pollutants to be released during temporary backwater conditions.
        6. Be designed and constructed such that it can be inspected and maintained from the surface without requiring entry into the structure.
        7. Have a storage sump sized so that it is capable of storing a volume of material that would allow the SPCD to be fully functional if cleaned only one time per year at equal intervals.
        8. Not exceed a total build depth (rim to sump) of 20’ for purposes of maintenance.
        9. Come with a “Manufacturer’s Performance Certificate” certifying that the SPCD achieves the specified project removal efficiency. A sizing report must accompany this certificate detailing how the requirements in this specification have been met. DELETE WHEN USING FOR PRETREATMENT (NO SPECIFIC PERFORMANCE REQUIREMENT)