

SECTION 02630

STORM DRAINAGE

PART 1 - GENERAL (NOTE TO A/E: Architect must display to Dartmouth College the method by which storm water treatment requirements are satisfied within the project design)

1.1 PROJECT INCLUDES

- A. Storm sewerage system piping, manholes, catchbasins, and tap connections.

PART 2 - PRODUCTS

2.1 MATERIALS

- A. Pipe and Fittings:
 - 1. Corrugated High Density Polyethylene Pipe (8" to 36"): HDPE exterior/interior smooth pipe. 12 to 36 inch diameters shall conform to AASHTO M294 Type S; 8 to 10 inch diameters shall conform to AASHTO M252 with a smooth interior liner. Material shall conform to AASHTO D3350.
 - 2. Joints and Fittings: AASHTO M294 or AASHTO M252, or as approved by Engineer.
 - 3. Coupling Bands: Closed-cell synthetic expanded rubber meeting ASTM D1056, Grade RE42. Install gaskets on the coupler by the pipe manufacturer prior to delivery to the job site. Provide coupling bands meeting the soil-tightness requirements of the AASHTO Standard Specifications for Highway Bridges, Section 23, paragraph 23.3.1.5.4(e).
- B. Catch Basins, Yard Drains, In-Line Drains: NHDOT Standard Specifications shall be satisfied.
- C. There shall be clean outs on all perimeter foundation drains at each 90 * elbow and at a maximum of 150 feet apart.

PART 3 - EXECUTION

3.1 PREPARATION

- A. Manhole Safety Rules: Architect shall reference the Dartmouth College confined space requirements for all manhole work.

3.2 TESTING

- A. Deflection Testing: Test 100 percent of pipe thirty days or more after back-filling. Use a rigid ball or mandrel with diameter equal to 95 percent of HDPE published (actual) pipe I.D. Do not use mechanical

pulling units. Results of the mandrel test will be provided to the Town of Hanover on all lines connected to the town storm water collection system if required by Site Plan approval.

END OF SECTION