



**CROSS SECTION THRU WETLAND TREATMENT SYSTEM**  
 SCALE: 1"=20' HORIZ.  
 1"=10' VERT.

**PRECAST NOTES FOR SPECIAL CONCRETE STRUCTURAL WALL:**

1. Design Criteria:
  - A. Soil Data: Unit Weight = 140 PCF  
 Earth Cover 0'-0" (MIN); 8'-0" (MAX)±  
 Ko - At Rest Soil Pressure Coefficient = .5
  - B. Materials: Steel Reinforcement AASHTO M-31, Grade 60 (ASTM A-615-S1)  
 Concrete f<sub>c</sub> = 5000 PSI  
 Unit Weight Concrete = 150 PCF
  - C. Design: Service Load or Load Factor Design (Refer to AASHTO Section 3.23 and 6.1-6.6)  
 Impact - Refer to AASHTO Section 3.2 and 6.4  
 Minimum Wall Thickness = 8"  
 In Addition To Other Loads Required By Code, Each Structure Shall Be Designed To Resist The Net Effect Resulting From The Surrounding Soil Combined With A Hydrostatic Pressure Acting On The Full Height Of The Structure.
  - D. Miscellaneous: Design Live Load AASHTO HS 25-44
2. The Precast Concrete Wall shown is approximate. The actual shape will be dependent upon the Fabricator. Minor differences from the shape shown are acceptable. Both units shall have the same shape. Size of the Footing shall be determined by the Fabricator.
3. The Concrete Walls shall be Precast. The Fabrication Drawings shall detail all connections between precast component and footings as shown.
4. All Cover on Reinforcement shall be 2", unless otherwise noted.
5. See Special Provisions for Additional Specifications on the Precast Units.

SEE SEDIMENTATION POND DRAWING NO. 2 FOR ADDITIONAL DETAILS

**EXECUTIVE DRIVE CONSTRUCTED WETLAND TREATMENT SYSTEM**

- NOTES:**
1. UNDERGROUND AND AERIAL UTILITY LOCATIONS ARE PLOTTED BASED ON THE BEST AVAILABLE INFORMATION. LOCATIONS SHOULD BE VERIFIED BY THE CONTRACTOR BEFORE WORK.
  2. PIPE REMOVAL IS SUBSIDIARY TO COMMON EXCAVATION. IF PIPE IS BELOW EXCAVATION LIMIT, IT WILL BE LEFT IN PLACE AND CAPPED WITH CONCRETE. SUBSIDIARY TO OTHER ITEMS, AT THE ENGINEER'S DISCRETION.

DATUM  
 VERTICAL NGVD 1929  
 HORIZONTAL NAD 1927

SCALE IN FEET  
 0 20 40

4/13/04

SHELBURNE  
 SURVEYED BY V.S.C. INC. DATE \_\_\_\_\_  
 DRAWN BY E.A.A. INC. DATE \_\_\_\_\_  
 TRACED BY E.A.A. INC. DATE \_\_\_\_\_  
 PROJECT NH-EGC-019-4(27)  
 SEDIMENTATION POND DRAWING NO. 1  
 SHEET NO. 97 OF 537