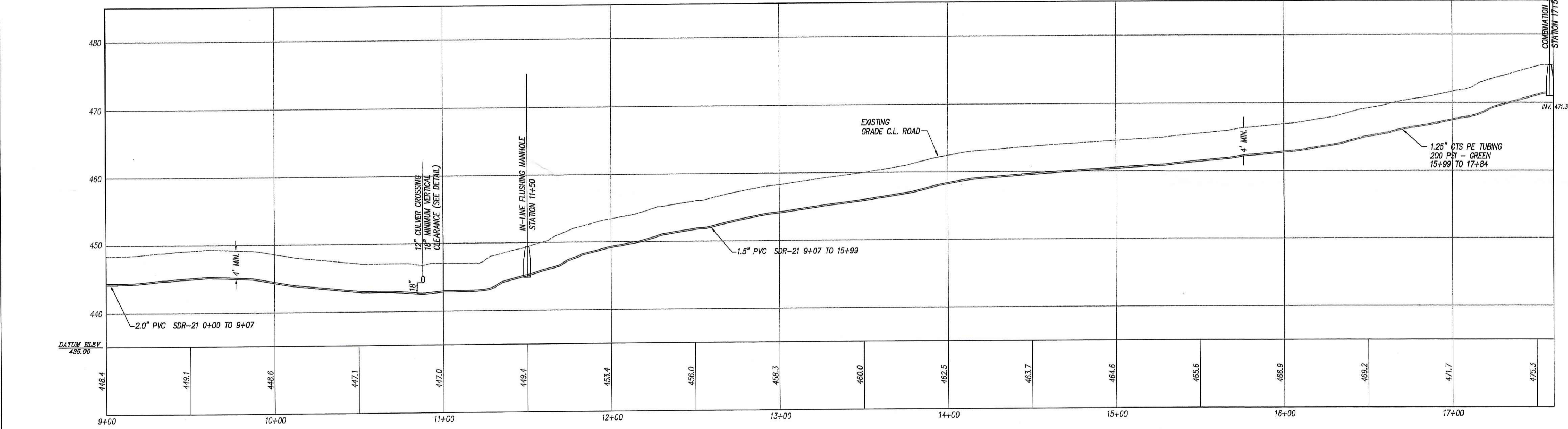
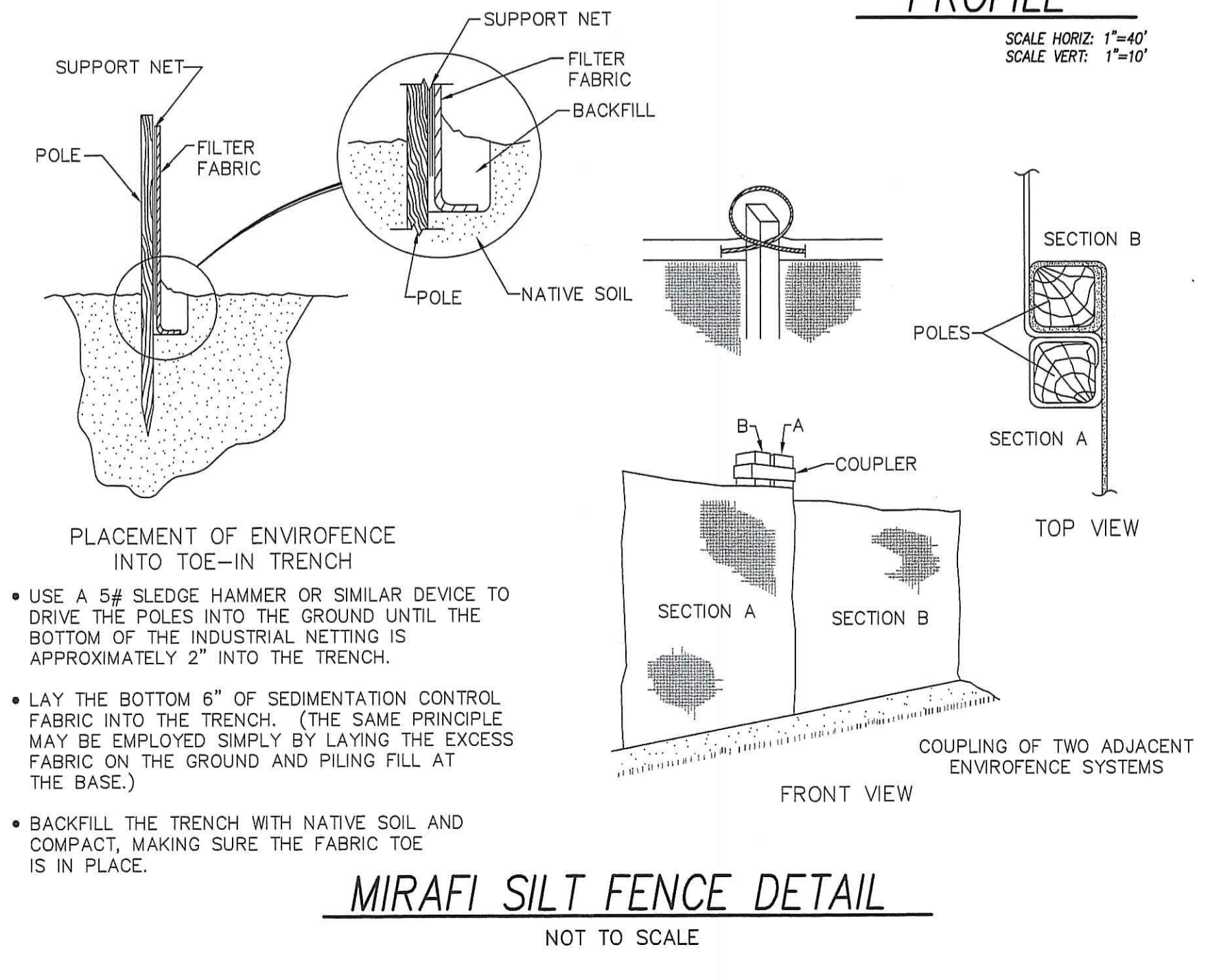
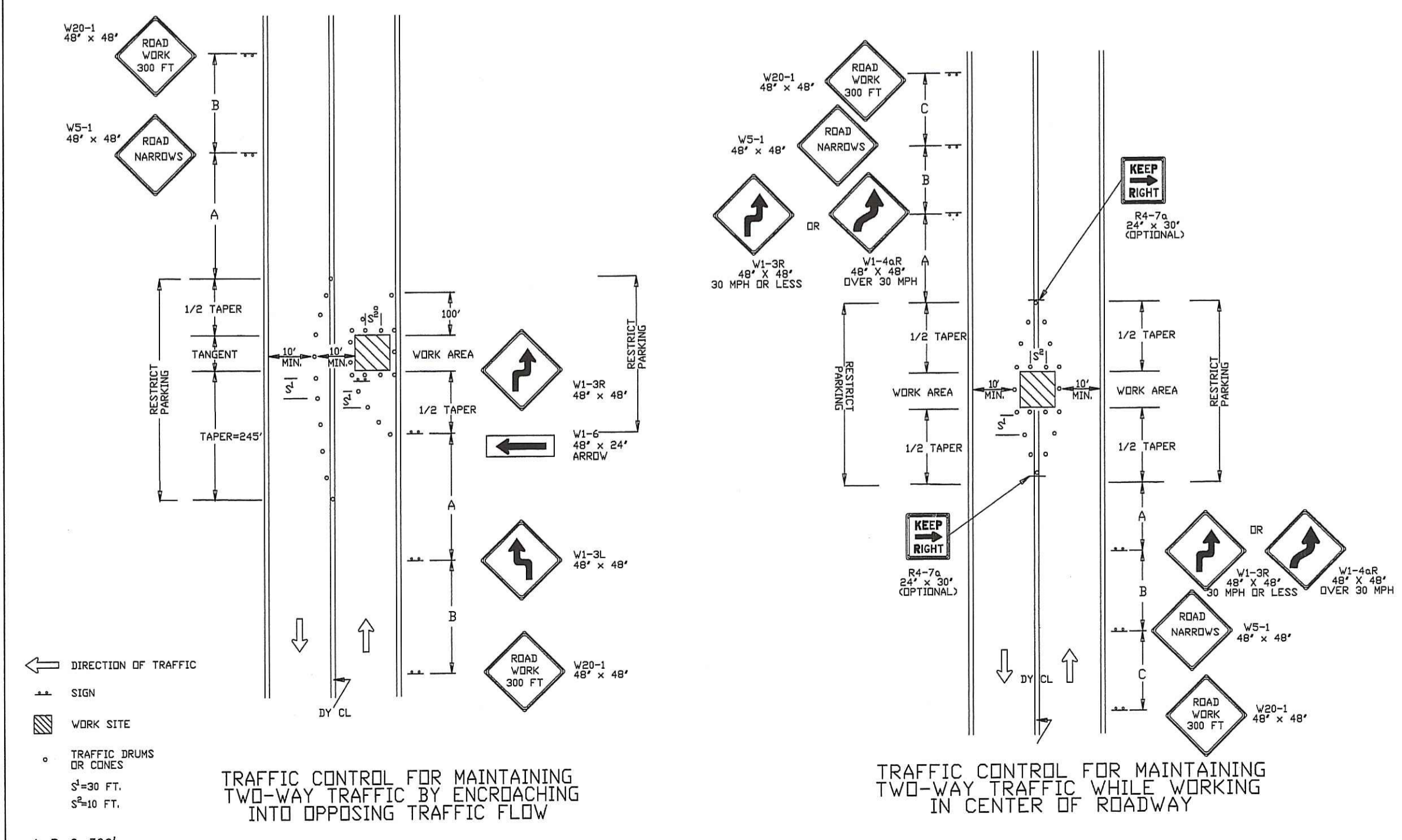


PROFILE
SCALE HORIZ: 1"=40'
SCALE VERT: 1"=10'



PROFILE
SCALE HORIZ: 1"=40'
SCALE VERT: 1"=10'



GENERAL NOTES:

1. Materials and methods for construction of roadways and utilities shown herein, shall be in accordance with the Rhode Island Department of Environmental Management specifications for construction of sanitary sewers or latest revision thereof.
2. The locations of all existing utilities shown are approximate. The contractor will check and verify the locations of all existing utilities both underground and overhead in the field prior to commencement of construction. Any damage to existing utilities shown or not shown shall be the contractor's responsibility. Costs of such damage shall be borne by the contractor. No excavation shall be done until all utility companies and Dig Safe are notified at least 24 hours in advance.
3. Contractor shall adequately protect existing structures, utilities, trees, shrubs and other permanent objects.
4. It shall be the contractor's responsibility to obtain all construction permits required by the State of Rhode Island and the Town of Burrillville, prior to commencing work.
5. The State of Rhode Island Standard Specifications for Road and Bridge Construction, Revisions of 1971 and all current addenda, and the Rhode Island Standard Details are made a part hereof, as if attached hereto.
6. Any conditions encountered during construction that differ from those shown hereon shall be reported to Peter Alviti, Hudson Place Associates before construction continues.
7. Peter Alviti Jr., P.E., Hudson Place Associates, must approve any changes to these plans.
8. Installation details and scheduling must be coordinated between owner, contractor and design engineer prior to commencement of construction.
9. Unless otherwise specified, all storm drains shall be ADS N-12 pipe unless otherwise noted.
10. The contractor must repair and/or replant any areas that do not develop within one year, and he shall do so at no additional expense.

EROSION & SEDIMENTATION CONTROL NOTES:

- 1) EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED PRIOR TO START OF CONSTRUCTION OF THIS PROJECT. STABILIZATION OF ALL REGRADED AND SOIL STOCKPILE AREAS SHALL BE INITIATED AND MAINTAINED DURING ALL PHASES OF CONSTRUCTION.
- 2) DENuded SLOPES SHALL NOT BE LEFT EXPOSED FOR EXCESSIVE PERIODS OF TIME SUCH AS THE INACTIVE WINTER SEASONS.
- 3) ALL DISTURBED SLOPES WHETHER NEWLY CREATED OR EXPOSED PRIOR TO OCTOBER 1ST SHALL BE SEEDED OR PROTECTED BY THAT DATE FOR ANY WORK COMPLETED DURING EACH CONSTRUCTION YEAR.
- 4) TEMPORARY TREATMENTS SHALL CONSIST OF A HAY, STRAW OR FIBER MULCH OR PROTECTIVE COVERS SUCH AS A MAT OR FIBER LINING (GURLAP, JUTE, FIBERGLASS NETTING, EXCELISOR BLANKETS). THEY SHALL BE INCORPORATED INTO THE WORK AS WARRANTED.
- 5) HAY OR STRAW APPLICATIONS SHALL BE IN THE AMOUNT OF 4000 LBS/ACRE.
- 6) ALL HAYBALES AND SILTATION FENCE OR TEMPORARY PROTECTION SHALL BE INSTALLED AS SHOWN ON THE PLANS PRIOR TO COMMENCING ANY EARTH DISTURBANCE, AND SHALL REMAIN IN PLACE UNTIL AN ACCEPTABLE STAND OF GRASS OR APPROVED GROUND COVER IS ESTABLISHED.
- 7) THE TOPSOIL SHALL HAVE SANDY LOAM TEXTURE RELATIVELY FREE OF SUBSOIL MATERIAL, STONES, ROOTS, LUMPS OF SOIL, TREE LIMBS, TRASH OR CONSTRUCTION DEBRIS AND SHALL BE PLACED TO A DEPTH OF FOUR (4) INCHES ON ALL LOAM AND SEED AREAS EXCEPT WITHIN THE DETENTION BASIN WHERE THE DEPTH SHALL BE SIX (6) INCHES.
- 8) THE SEED MIX SHALL BE INOCULATED WITHIN 24 HOURS BEFORE MIXING AND PLANTING WITH APPROPRIATE INOCULUM FOR EACH VARIETY.
- 9) DURING THE CONSTRUCTION OF THE PAVED AREAS AND DRAINAGE SYSTEM, DISTURBANCE TO THE SITE SHALL BE MINIMIZED TO THE EXTENT POSSIBLE, CONSTRUCTION EQUIPMENT AND TRUCKS MUST STAY WITHIN THE AREAS OF PROPOSED WORK.
- 10) ALL EROSION AND SEDIMENT CONTROL MEASURES WILL BE CONSTRUCTED IN ACCORDANCE WITH STANDARDS AND SPECIFICATIONS OF RHODE ISLAND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT AND THE CITY OF CRANSTON. ALL EROSION CONTROL MEASURES ARE TO BE MAINTAINED AND UPGRADED AS REQUIRED TO ACHIEVE PROPER SEDIMENT CONTROL DURING CONSTRUCTION.
- 11) IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INSTALL ADDITIONAL CONTROL MEASURES DURING CONSTRUCTION AS REQUIRED (TO PROTECT ANY ADJACENT UNDISTURBED AREAS).
- 12) SEDIMENT REMOVED FROM EROSION CONTROL STRUCTURES WILL BE DISPOSED OF IN A MANNER WHICH IS CONSISTENT WITH THE INTENT OF THESE PLANS. ALL HAY BALES OR SILT FENCE RETAINING SEDIMENT OVER 1/2 THEIR HEIGHT SHALL HAVE THE SEDIMENT REMOVED AND ALL DAMAGED EROSION CONTROLS SHALL BE REMOVED AND REPLACED.
- 13) THE CONTRACTOR WILL BE ASSIGNED THE RESPONSIBILITY FOR IMPLEMENTING THIS EROSION AND SEDIMENT CONTROL PLAN. THIS RESPONSIBILITY INCLUDES THE INSTALLATION AND MAINTENANCE OF CONTROL MEASURES, INFORMING ALL PARTIES ENGAGED ON THE CONSTRUCTION SITE OF THE REQUIREMENTS AND OBJECTIVES OF THE PLAN, AND NOTIFYING THE PROPER CITY AGENCY OF ANY TRANSFER OF THIS RESPONSIBILITY. THE OWNER SHALL BE RESPONSIBLE FOR CONVEYING A COPY OF THE EROSION AND SEDIMENT CONTROL PLAN IF THE TITLE TO THE LAND IS TRANSFERRED.
- 14) THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTROLLING DUST AND WIND EROSION THROUGHOUT THE LIFE OF HIS CONTRACT. DUST CONTROL SHALL INCLUDE, BUT IS NOT LIMITED TO, SPRINKLING OF WATER ON EXPOSED SOILS AND HAIL ROADS. THE CONTRACTOR SHALL CONTROL DUST TO PREVENT A HAZARD TO TRAFFIC ON ADJACENT ROADWAYS.
- 15) IF FINAL GRADING IS TO BE DELAYED FOR MORE THAN FIFTEEN (15) DAYS AFTER LAND DISTURBANCES CEASE, TEMPORARY VEGETATION OR MULCH SHALL BE USED TO STABILIZE SOILS.
- 16) HAY BALES AND SILT FENCE SHALL BE USED AS A TEMPORARY MEASURE. WHERE CONTROL MEASURES WILL BE REQUIRED FOR LONGER THAN SIXTY (60) DAYS, FILTER FABRIC SHALL BE USED.
- 17) IN DISTURBED AREAS IN THE DETENTION BASIN, IF THE SURFACE MATERIAL IS NOT SUITABLE FOR THE GROWING OF SEED, A MINIMUM OF 6 INCHES OF LOAM WILL BE REQUIRED.
- 18) SEE LANDSCAPING PLANS AND EROSION CONTROL DETAILS INCLUDED WITH THESE PLANS.
- 19) SILT FENCE & HAYBALES: (TEMPORARY)
A. SHALL BE INSTALLED DOWN SLOPE OF THE LIMITS OF PROPOSED CONSTRUCTION AS SHOWN ON THE DRAWINGS.
B. SHALL BE INSTALLED PRIOR TO THE COMMENCEMENT OF THE PROPOSED ALTERATIONS.
C. SHALL BE MAINTAINED ON A REGULAR BASIS.
- 20) RIPRAP SHALL BE INSTALLED AT CULVERT INLETS AND OUTLETS, SWALE OUTLETS AND EMERGENCY SPILLWAYS AND WHERE SHOWN ON THE DRAWINGS.
- 21) EXTREME CARE SHALL BE EXERCISED SO AS TO PREVENT ANY UNSUITABLE MATERIAL FROM ENTERING ANY WETLAND AREAS.
- 22) DURING CONSTRUCTION THE CONTRACTOR AND/OR DEVELOPER SHALL BE RESPONSIBLE FOR MAINTAINING DRAINAGE AND RUNOFF FLOW DURING STORMS AND PERIODS OF RAINFALL.
- 23) SEDIMENTATION CONTROL DEVICES SHALL BE INSPECTED CLOSELY AND MAINTAINED PRIOR TO ANY SIGNIFICANT FORECASTED RAINFALL EVENTS AND PROMPTLY AFTER EACH RAINFALL.
- 24) CARE SHALL BE TAKEN SO AS NOT TO PLACE "REMOVED SEDIMENTS" WITHIN THE PATH OF EXISTING, NEWLY CREATED (BOTH TEMPORARY AND PERMANENT) OR PROPOSED WATERCOURSES OR THOSE AREAS SUBJECTED TO STORMWATER FLOWAGE.
- 25) ADDITIONAL HAYBALES OR SAND BAGS SHALL BE STOCKPILED ON SITE AND LOCATED AS CONDITIONS WARRANT OR AS DIRECTED BY THE OWNER OR DESIGNATED AGENT.
- 26) BAILED HAY EROSION CHECKS SHALL BE PROVIDED AT ALL DRAINAGE SWALES AND DRAINAGE STRUCTURE INLETS DURING CONSTRUCTION.
- 27) THE CONTRACTOR MUST REPAIR AND/OR RESEED ANY AREAS THAT DO NOT DEVELOP WITHIN THE PERIOD OF ONE YEAR, AND HE SHALL DO SO AT NO ADDITIONAL EXPENSE TO THE OWNER.
- 28) THE NORMAL ACCEPTABLE SEASONAL SEEDING DATES ARE APRIL 1ST THROUGH JUNE 15TH AND AUGUST 15TH THROUGH SEPTEMBER 20TH.
- 29) STABILIZATION OF ONE FORM OR ANOTHER AS DESCRIBED ABOVE SHALL BE ACHIEVED WITHIN 15 DAYS OF FINAL GRADING.
- 30) STOCKPILES OF TOPSOIL SHALL NOT BE LOCATED NEAR WATERWAYS. THEY SHALL HAVE SIDE SLOPES NO GREATER THAN 2 HORIZONTAL TO 1 VERTICAL AND STOCKPILES SHALL ALSO BE SEEDED AND/OR STABILIZED.
- 31) ON BOTH STEEP AND LONG SLOPES, CONSIDERATION SHALL BE GIVEN TO "CRIMPING" OR "TRACKING" TO TACK DOWN MULCH APPLICATIONS.

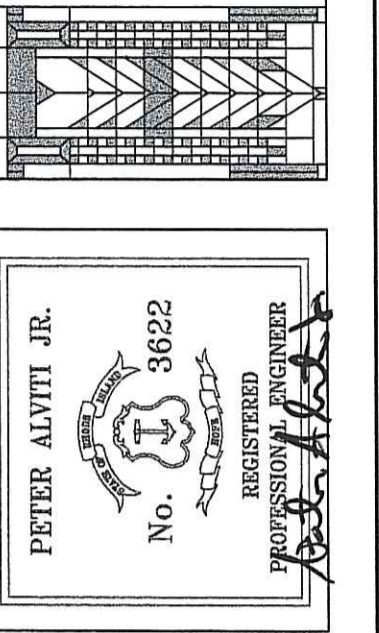
CONSTRUCTION SEQUENCE:

- 1) CONSTRUCT TEMPORARY AND PERMANENT SEDIMENT, EROSION AND DETENTION CONTROL FACILITIES. EROSION, AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED PRIOR TO ANY EARTH MOVING OPERATION THAT WILL INFLUENCE STORMWATER RUNOFF SUCH AS:
NEW CONSTRUCTION DEVELOPMENT OF BORROW AREAS
DISPOSAL OF SEDIMENT SPOIL, STUMPS AND OTHER SOLID WASTE
FLOOD PLAIN EXCAVATION WORK
STREAM CHANNEL MODIFICATIONS
CONTROL OF DUST
NEARNESS OF CONSTRUCTION SITE TO RECEIVING WATERS
CONSTRUCTION DURING LATE WINTER AND EARLY SPRING
- 2) CONSTRUCT SEWER SYSTEM.
- 3) GRADE AND GRAVEL ROADWAYS. ALL ROADS SHALL BE STABILIZED IMMEDIATELY AFTER GRADING.
- 4) BEGIN PERMANENT AND TEMPORARY SEEDING AND MULCHING. ALL CUT AND FILL SLOPES SHALL BE SEEDED AND MULCHED IMMEDIATELY AFTER THEIR CONSTRUCTION.
- 5) DAILY, OR AS REQUIRED, CONSTRUCT TEMPORARY BERMS, DRAINS, DITCHES, SILT FENCES, SEDIMENT TRAPS, ETC., MULCH AND SEED AS REQUIRED.
- 6) FINISH PAVING ALL ROADWAYS.
- 7) INSPECT AND MAINTAIN ALL EROSION AND SEDIMENT CONTROL MEASURES.
- 8) COMPLETE PERMANENT SEEDING AND LANDSCAPING.
- 9) REMOVE TRAPPED SEDIMENTS FROM COLLECTOR DEVICES AS APPROPRIATE AND THEN REMOVE TEMPORARY EROSION CONTROL MEASURES AFTER ALL SURFACES HAVE BEEN COMPLETELY STABILIZED AND ALL DANGER OF EROSION HAS BEEN ESTABLISHED.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED AUG 09 2007 FILE # 07-0279
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE
Nancy Freeman

RECEIVED
JUN 19 2007

HUDSON PLACE ASSOCIATES
CIVIL AND ENVIRONMENTAL ENGINEERING
1286 Narragansett Blvd., Cranston RI 02905
Tel: 401-785-3535 Fax: 401-785-3535
Website: www.hudsonplaceassociates.com
Email: info@hudsonplaceassociates.com



Mark	Description	Date	Appr.

Designed by: PETER ALVITI
Dwn by: P.A.
Date: 2007
Drawing Scale:

LOW PRESSURE SEWER SYSTEM PROFILE
HIDDEN SHORES
HOMECOMERS ASSOCIATION
PLAT 245 LOT 26
BURRILLVILLE, RHODE ISLAND

SHEET
REFERENCE
NUMBER
SITE
Sheet 2 of 3

