EROSION CONTROL NOTES:

1. THE PROPOSED PROJECT REQUIRES A NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT (NPDES) FROM THE UNITED STATES ENVIRONMENTAL PROTECTION AGENCY (EPA). A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) WILL BE PREPARED AS A CONDITION OF THE NPDES PERMIT. THE SITE CONTRACTOR IS RESPONSIBLE FOR FOLLOWING THE CONDITIONS OF THE NPDES PERMIT AND SWPPP.

2. THE SITE CONTRACTOR IS RESPONSIBLE FOR ESTABLISHING AND MAINTAINING SUITABLE EROSION AND SEDIMENTATION CONTROL DEVICES ON SITE DURING CONSTRUCTION AS REQUIRED TO PREVENT SILT FROM LEAVING THE SITE INCLUDING CONSTRUCTING ENTRANCES AND PERIMETER SEDIMENT CONTROLS. SILT WILL NOT BE ALLOWED BEYOND CONSTRUCTION LIMITS.

3. EROSION CONTROL SHALL, AT MINIMUM, BE INSTALLED IN THE LOCATIONS SHOWN ON THE PLANS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INSTALL ADDITIONAL EROSION CONTROLS AS NECESSARY.

4. CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS FOR ALL GRADING AND OTHER LAND DISTURBING ACTIVITIES PRIOR TO CONSTRUCTION.

5. THE CONTRACTOR IS RESPONSIBLE FOR THE CLEANUP AND REMOVAL OF ANY BUILDUP OF SEDIMENT WHICH ESCAPES FROM THE SITE.

6. CONTRACTOR IS RESPONSIBLE FOR CLEANING SILT AND DEBRIS OUT OF ALL STORM DRAINAGE STRUCTURES UPON THE COMPLETION OF CONSTRUCTION.

7. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL TEMPORARY EROSION CONTROL MEASURES AFTER CONSTRUCTION IS COMPLETE AND ALL DISTURBED AREAS HAVE BEEN STABILIZED.

8. THE CONTRACTOR IS RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH ANY FINES LEVIED AGAINST THE SITE FOR VIOLATIONS OF EROSION CONTROL REGULATIONS.

9. CONTRACTOR SHALL PROVIDE TEMPORARY GROUND COVER FOR ALL AREAS WITH EXPOSED SOIL WHICH WILL NOT BE DISTURBED BY GRADING OPERATIONS FOR A PERIOD OF 14 DAYS OR MORE.

10. IF WORK ON THIS PROJECT IS SUSPENDED FOR ANY REASON, THE CONTRACTOR SHALL MAINTAIN THE SOIL EROSION AND SEDIMENTATION CONTROL FACILITIES IN GOOD CONDITION DURING THE SUSPENSION OF WORK.

11. SPRINKLE OR APPLY DUST SUPPRESSORS TO KEEP DUST WITHIN TOLERABLE LIMITS AT THE CONSTRUCTION SITE.

12. FILTER FABRIC SHALL BE INSTALLED IN ALL CATCH BASINS, WITH PERIODIC CLEANING AND/OR REPLACING OF THE FILTER FABRIC, WHEN NECESSARY, THROUGHOUT THE DURATION OF THE CONSTRUCTION.

13. CONTRACTOR RESPONSIBLE FOR PROTECTING STORMWATER MANAGEMENT AREAS FROM EROSION AND SEDIMENT DURING CONSTRUCTION.

14. CONSTRUCTION ENTRANCES SHOULD BE INSPECTED WEEKLY AND AFTER HEAVY RAINS OR HEAVY USE. THE CONSTRUCTION ENTRANCE SHOULD BE TOPDRESSED WITH NEW STONE ONCE THE ENTRANCE BECOMES COMPLETELY CLOGGED WITH MUD AND SOIL PARTICLES.

15. SEDIMENT BEHIND PERIMETER SEDIMENT CONTROLS MUST BE REMOVED ONCE SEDIMENT REACHES A LEVEL OF DEPOSITION EQUAL TO HALF THE HEIGHT OF THE BARRIER.

CONSTRUCTION NOTES:

1. IN GENERAL, THE PLANS ARE DIAGRAMMATIC AND ARE NOT INTENDED TO SHOW EVERY FITTING, CHANGE IN DIRECTION OR DETAIL OF CONSTRUCTION.

2. THE CONTRACTOR SHALL GIVE ALL NOTICES, COMPLY WITH ALL LAWS AND REGULATIONS, OBTAIN ALL PERMITS NECESSARY, AND PAY ALL FEES ASSOCIATED WITH THE INSTALLATION OF THE WORK.

3. THE CONTRACTOR SHALL PROVIDE ALL MATERIALS, LABOR, SUPERVISION, TOOLS, EQUIPMENT, FUEL, POWER, SANITARY FACILITIES AND INCIDENTALS NECESSARY FOR THE FURNISHING, PERFORMANCE, TESTING, START-UP AND COMPLETION OF THIS WORK.

4. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS FOR THE SAFETY OF PERSONNEL AND PROTECTION OF PROPERTY AT THE SITE ADJACENT THERETO INCLUDING TREES, SHRUBS, LAWNS, PAVEMENTS, ROADWAYS, STRUCTURES AND UNDERGROUND UTILITIES NOT DESIGNED FOR REMOVAL, RELOCATION, OR REPLACEMENT.

5. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES OF CONSTRUCTION REQUIRED FOR THE INSTALLATION OF THIS WORK.

6. ALL MATERIALS SHALL BE NEW AND FREE FROM DEFECTS AND OF GOOD QUALITY.

7. THE CONTRACTOR SHALL KEEP THE PREMISES FREE FROM THE ACCUMULATION OF WASTE MATERIAL AND OTHER DEBRIS RESULTING FROM THIS WORK.

8. ALL PAVEMENT MARKINGS, IF ANY, DISTURBED BY CONSTRUCTION SHALL BE RESTORED AS PART OF THIS WORK.

9. THE CONTRACTOR SHALL INSTITUTE ALL SAFETY MEASURES NECESSARY TO PROTECT THE PUBLIC SAFETY. THIS SHALL INCLUDE, BUT NOT LIMITED TO, BARRICADES, SIGNS, LIGHTING, FENCES, POLICE DETAILS, AND ANY OTHER MEANS AS DIRECTED. NO TRENCHES ARE TO REMAIN OPEN OVERNIGHT.

10. THE CONTRACTOR SHALL NOTIFY DIG SAFE PRIOR TO ANY EXCAVATION.

11. ALL METHODS AND MATERIALS SHALL CONFORM WITH THE MASSACHUSETTS HIGHWAY DEPARTMENT STANDARDS, TOWN OF CARVER D.P.W. STANDARDS, AND TOWN OF CARVER PLANNING BOARD RULES AND REGULATIONS.

12. FINAL LAYOUT OF STOP SIGNS AND STREET SIGNS WILL BE APPROVED BY THE SANDWICH DEPARTMENT OF PUBLIC WORKS DURING CONSTRUCTION.

UTILITY NOTES:

1. PRIOR TO RECEIVING AUTHORIZATION TO CONSTRUCT, ALL MATERIALS SHALL MEET THE STANDARDS AND RECIEVE SHOP DRAWING APPROVAL, BASED ON MANUFACTURERS DRAWINGS AND OTHER DATA.

2. ALL PROPOSED STRUCTURES, PIPES OR UTILITIES CONNECTING TO EXISTING STRUCTURES, PIPES OR UTILITIES SHALL BE VERIFIED FOR LOCATION AND ELEVATION BY THE CONTRACTOR PRIOR TO CONSTRUCTION. ANY DISCREPANCIES NOTED SHALL BE REPORTED TO THE ENGINEER.

3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ADEQUATE RECORDS OF THE LOCATION AND ELEVATION OF ALL WORK INSTALLED. THE CONTRACTOR SHALL PROVIDE THIS INFORMATION TO THE ENGINEER FOR USE IN PREPARING AS-BUILTS.

4. UNLESS OTHERWISE NOTED ON THE DRAWINGS OR IN THE SPECIFICATIONS, ALL PROPOSED DRAINAGE PIPES SHALL BE 12" HDPE PIPE.

5. ALL DRAIN MANHOLES SHALL BE 4' DIAMETER UNLESS OTHERWISE NOTED.

6. UNLESS OTHERWISE NOTED, ALL EXISTING UTILITIES THAT SERVE EXISTING USES/BUILDINGS, INCLUDING BUT NOT LIMITED TO, DRAIN, TELEPHONE, CABLE AND ELECTRIC SHALL BE PROTECTED. THESE UTILITIES AND OTHERS THAT SERVE ADJACENT PROPERTIES SHALL REMAIN IN SERVICE THROUGHOUT CONSTRUCTION.

7. ELECTRIC, TELEPHONE, CABLE AND APPURTENANCES SHALL BE INSTALLED IN ACCORDANCE WITH REQUIREMENTS OF THE APPROPRIATE UTILITY COMPANIES.

8. THIS PLAN HAS BEEN PREPARED AS A SCHEMATIC REPRESENTATION OF THE PROPOSED ELECTRIC, TELEPHONE AND WATER SYSTEMS. IT IS NOT THE INTENTION OF THIS DRAWING THAT EVERY DETAIL, DEVICE, ITEM OR PIECE OF EQUIPMENT BE SHOWN. FINAL DESIGN AND APPROVAL MUST BE OBTAINED FROM THE RESPECTIVE UTILITY COMPANIES FOR LOCATION OF TRANSFORMERS, CONDUITS, AND CONNECTIONS TO BUILDINGS.

9. AT THE COMPLETION OF OPERATIONS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING ALL NEW AND EXISTING DRAINAGE STRUCTURES OF SAND, SOIL OR OTHER DEBRIS.

10. INSTALLATION AND TESTING OF THE WATER MAINS, SERVICE CONNECTIONS, HYDRANTS AND FITTINGS SHALL CONFORM TO THE TOWN OF SANDWICH REQUIREMENTS.

OPERATION AND MAINTENANCE PLAN:

THE PROJECT INCLUDES AN OPERATION AND MAINTENANCE PLAN REGARDING THE PROPOSED DEVELOPMENT TO MINIMIZE IMPACTS TO ENVIRONMENTAL RESOURCES DURING AND FOLLOWING CONSTRUCTION. THE PLAN INCORPORATES THE USE OF SILT FENCE/HAYBALES WHERE NECESSARY AND STORM DRAIN INLET PROTECTION DURING CONSTRUCTION. DUE TO THE FACT THAT ALL OF THE PROPOSED CONSTRUCTION TAKES PLACE OUTSIDE OF ONE-HUNDRED FEET OF WETLANDS RESOURCES, LOCATIONS OF SILT FENCE AND HAYBALES ARE NOT SHOWN ON THE PLANS. IT IS THE RESPONSIBILITY OF THE THE CONTRACTOR, UNDER THE SWPPP, TO INSTALL SILT FENCE/HAYBALES WHEN NECESSARY. MORE SPECIFICALLY, THE FOLLOWING ACTIVITIES SHOULD TAKE PLACE BOTH DURING AND FOLLOWING CONSTRUCTION. DURING CONSTRUCTION, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN THE PROJECTS DRAINAGE SYSTEM. FOLLOWING ACCEPTANCE OF THE ROAD, IT WILL BECOME THE TOWN OF CARVER DPW'S RESPONSIBILITY TO MAINTAIN THE DRAINAGE SYSTEM.

DURING CONSTRUCTION

1. THE CONTRACTOR SHALL INSPECT THE SITE A MINIMUM OF ONCE A WEEK AND WITHIN 24 HOURS OF A 1/2-INCH OR GREATER RAIN STORM EVENT TO ENSURE THAT EROSION OF SLOPES, STOCKPILES, ETC, IS NOT OCCURRING. IN INSTANCES WHERE EROSION IS OBSERVED, SILT FENCE/HAYBALES SHOULD BE INSTALLED DOWN GRADIENT OF ERODING AREAS. APPROPRIATE REPAIRS TO THE SEDIMENT CONTROLS WILL BE MADE AS NECESSARY.

2. INSTALL FILTER FABRIC UNDER ALL CATCH BASIN RIMS. FABRIC SHOULD BE INSPECTED ONCE A WEEK AND WITHIN 24 HOURS OF A 1/2-INCH OR GREATER RAIN STORM EVENT TO INSURE THAT DAMAGE TO FILTER FABRIC HAS NOT OCCURRED. APPROPRIATE REPAIRS TO THE FILTER FABRIC WILL BE MADE AS NECESSARY.

3. PROTECT BIO-RETENTION AREAS FROM EROSION AND SEDIMENT DURING CONSTRUCTION, INCLUDING STONE TRENCH. IN THE EVENT THE STONE TRENCH BECOMES CLOGGED WITH SEDIMENT DURING CONSTRUCTION, STONE AND FILTER FABRIC TO BE REPLACED.

4. CONSTRUCTION ENTRANCES SHOULD BE INSPECTED WEEKLY AND AFTER HEAVY RAINS OR HEAVY USE. THE CONSTRUCTION ENTRANCE SHOULD BE TOPDRESSED WITH NEW STONE ONCE THE ENTRANCE BECOMES COMPLETELY CLOGGED WITH MUD AND SOIL PARTICLES.

5. SEDIMENT BEHIND PERIMETER SEDIMENT CONTROLS MUST BE REMOVED ONCE SEDIMENT REACHES A LEVEL OF DEPOSITION EQUAL TO HALF THE HEIGHT OF THE BARRIER.

FOLLOWING CONSTRUCTION

1. CATCH BASINS SHOULD BE INSPECTED FOUR TIMES A YEAR AND CLEANED TWICE PER YEAR (AT A MINIMUM). CLEANING SHOULD OCCUR IN THE EARLY SPRING FOLLOWING SNOWMELT.

2. THE VORTSENTRY WATER QUALITY UNIT SHOULD BE INSPECTED FOUR TIMES A YEAR AND CLEANED TWICE PER YEAR (AT A MINIMUM). CLEANING SHOULD OCCUR IN THE EARLY SPRING FOLLOWING SNOW MELT.

3. THE VORTSENTRY WATER QUALITY UNIT SHOULD BE CLEANED IMMEDIATELY FOLLOWING ANY SPILL OF HAZARDOUS MATERIALS.

4. CLEANING OF CATCH BASINS AND VORTSENTRY UNIT SHOULD BE PERFORMED BY A VACUUM TRUCK AND MATERIALS REMOVED AND DISPOSED OF IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS.

5. THE INFILTRATION BASIN, INCLUDING THE RIP-RAP PAD DISCHARGING TO THE BASIN, SHOULD BE INSPECTED TWICE A YEAR. ROUTINE MAINTENANCE, INCLUDING MOWING, SHOULD TAKE PLACE AT LEAST TWICE PER YEAR AND AS NEEDED. DURING INSPECTIONS, THE RIP-RAP PAD SHOULD BE INSPECTED FOR ANY EROSION OR STABILIZATION ISSUES. TRASH AND OTHER DEBRIS SHOULD BE REMOVED ON A REGULAR BASIS.

COMMONWEALTH OF MASSACHUSETTS
BRIAN G. YERGATIAN
CIVIL
No. 46206
REGISTERED PROFESSIONAL ENGINEER

9/9/15

BRIAN G. YERGATIAN — DATE
PROFESSIONAL ENGINEER

RESIDENTIAL CLUSTER SUBDIVISION

ATKINS ROAD

IN

SANDWICH
MASSACHUSETTS
(BARNSTABLE COUNTY)

GENERAL NOTES

FEBRUARY 5, 2014

REVISIONS:

NO.	DATE	DESC.
1	11/25/14	NEW LAYOUT
2	09/09/15	PER CAPE COD COMM.

ISSUED FOR PERMITTING
NOT FOR CONSTRUCTION

PREPARED FOR:
MONOMOY PROPERTIES LLC
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SOUTH DENNIS, MA 02660

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SCALE: NONE

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