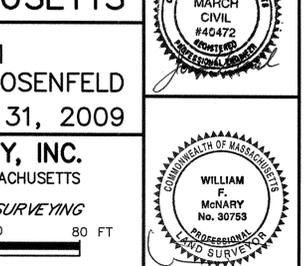
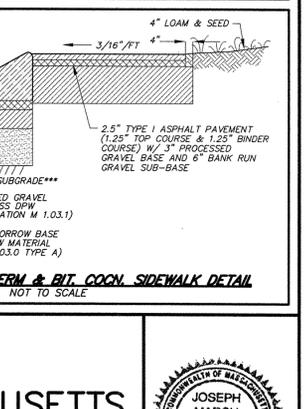
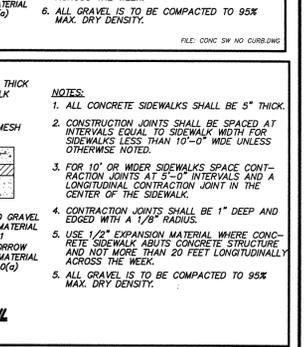
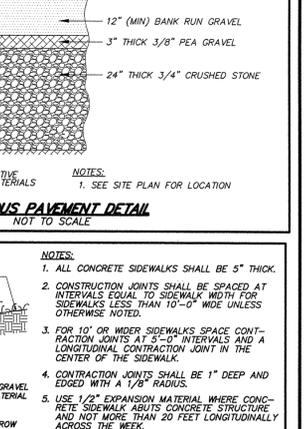
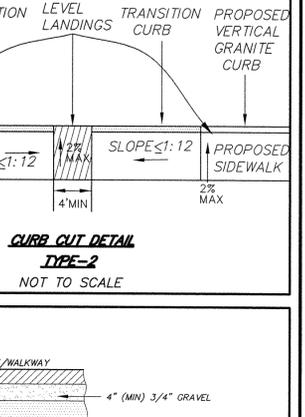
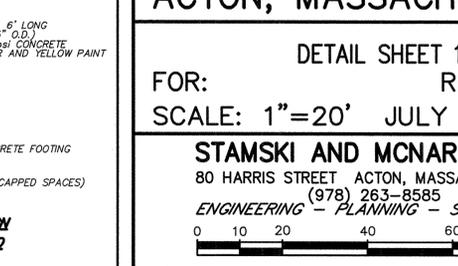
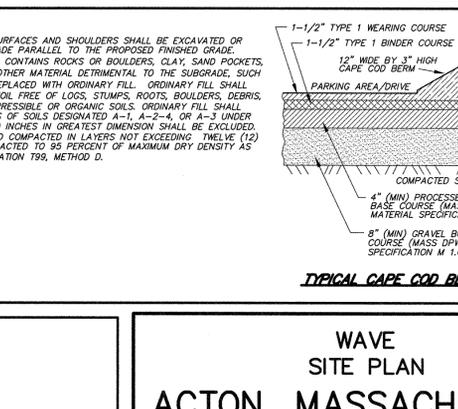
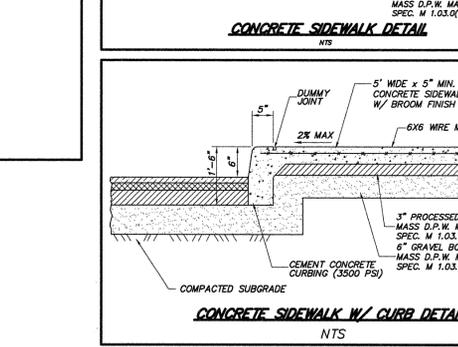
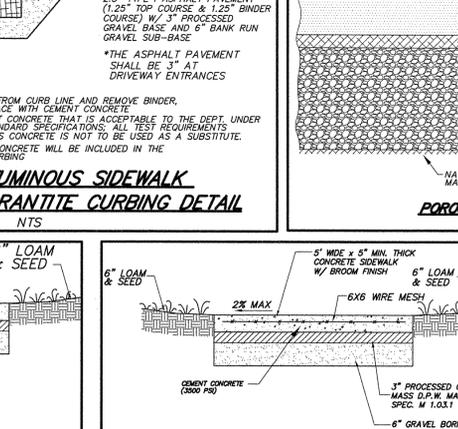
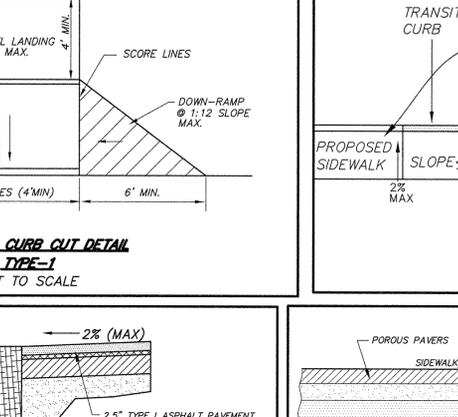
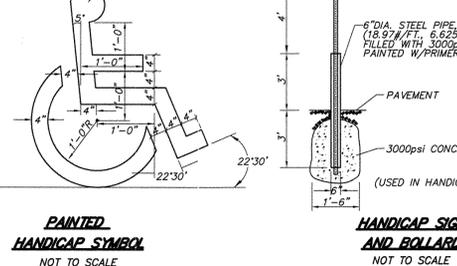
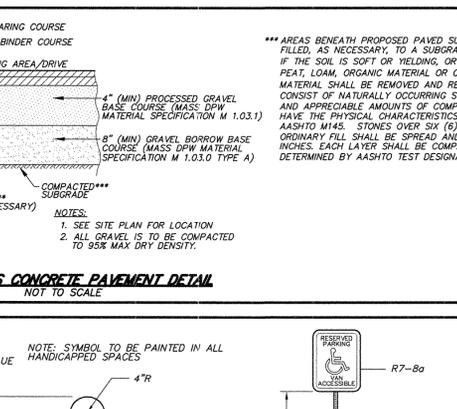
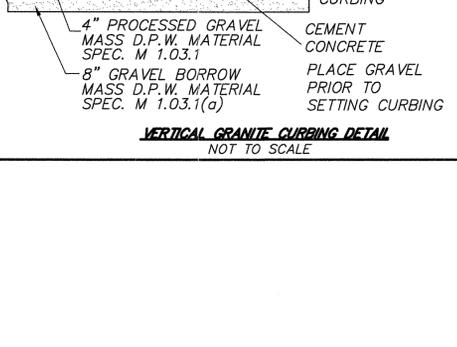
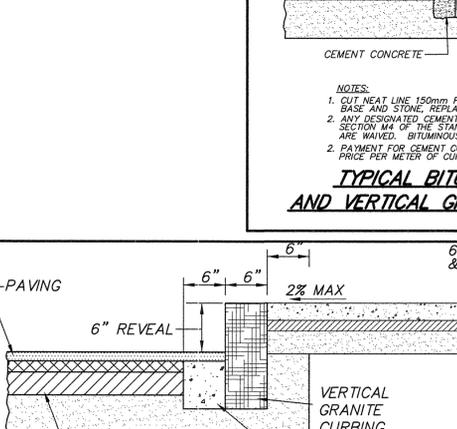
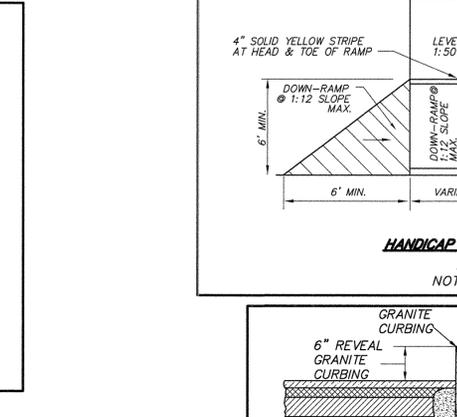
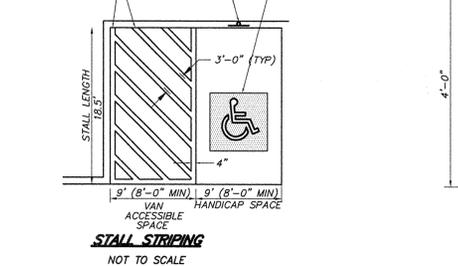
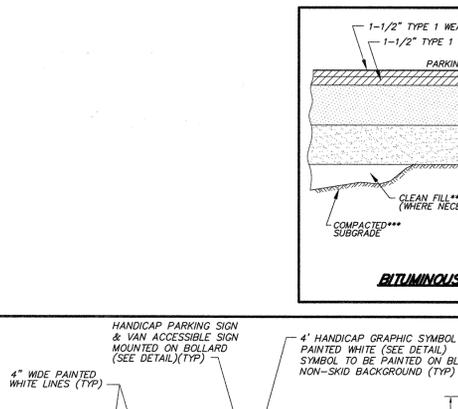
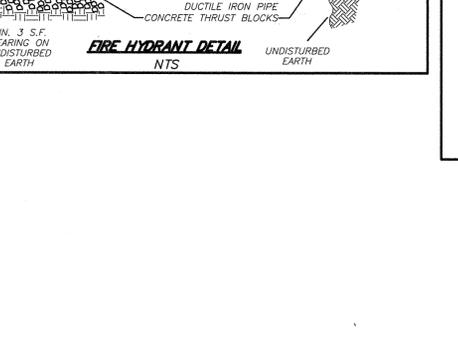
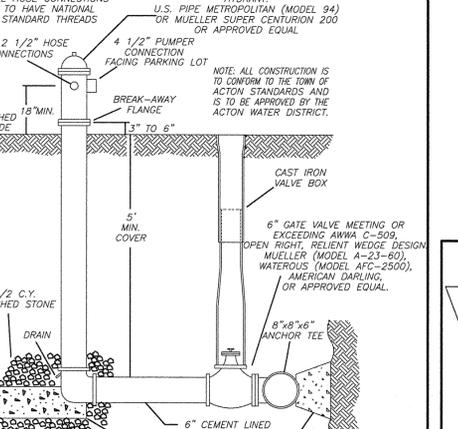
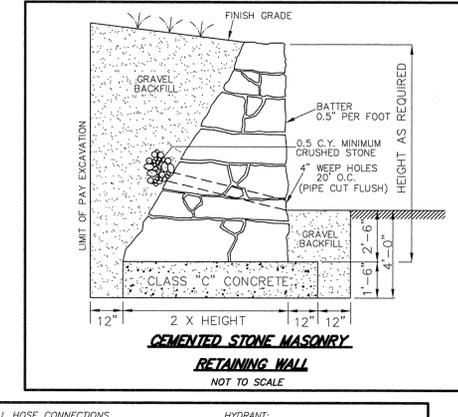
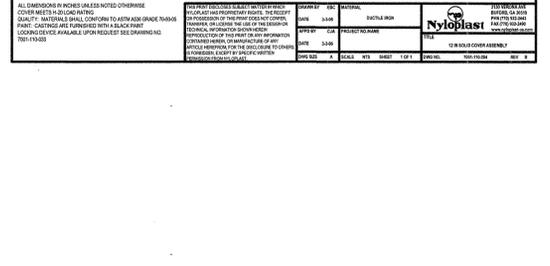
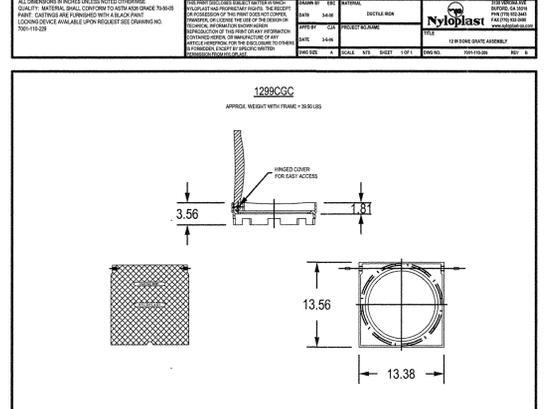
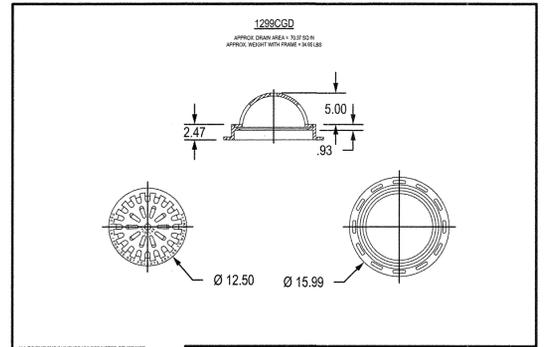
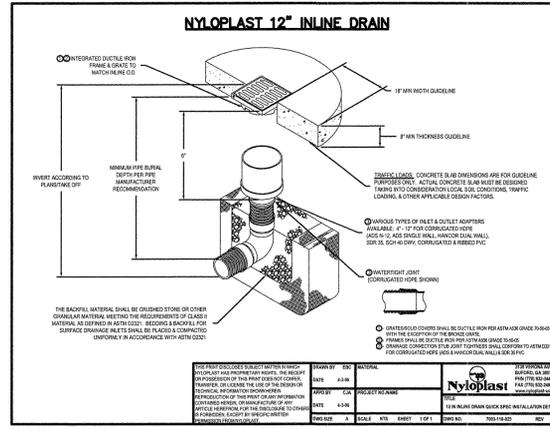
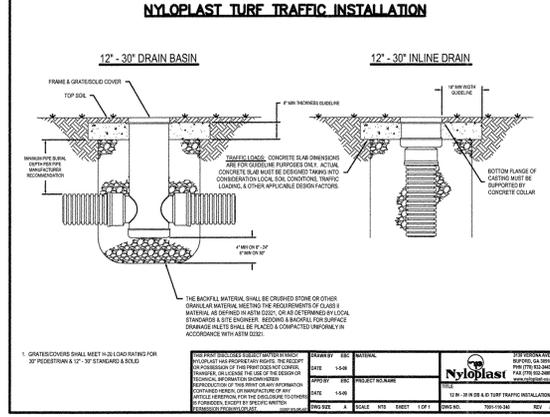


GENERAL NOTES

1. ALL UNDERGROUND UTILITIES SHOWN HEREON WERE COMPILED ACCORDING TO AVAILABLE RECORD PLANS FROM VARIOUS UTILITY COMPANIES AND PUBLIC AGENCIES AND ARE APPROXIMATE ONLY. ACTUAL LOCATIONS MUST BE DETERMINED IN THE FIELD BEFORE EXCAVATING, BLASTING, INSTALLING, BACKFILLING, GRADING, PAVEMENT RESTORATION OR REPAIRING. ALL UTILITY COMPANIES, PUBLIC AND PRIVATE, MUST BE CONTACTED INCLUDING THOSE IN CONTROL OF UTILITIES NOT SHOWN ON THIS PLAN. SEE CHAPTER 370, ACTS OF 1963 MASS. WE ASSUME NO RESPONSIBILITY FOR DAMAGE INCURRED AS A RESULT OF UTILITIES OMITTED OR INACCURATELY SHOWN BEFORE PLANNING FUTURE CONNECTIONS. THE APPROPRIATE PUBLIC UTILITY ENGINEERING DEPARTMENT MUST BE CONSULTED. DIG-SAFE TELE. NO. (888) 344-7233.
2. UNLESS OTHERWISE SPECIFIED ON THESE PLANS, ALL CONSTRUCTION METHODS AND MATERIALS SHALL COMPLY WITH SPECIFICATIONS OUTLINED IN THE ACTON ZONING BYLAW AND THE ACTON RULES AND REGULATIONS FOR SITE PLAN SPECIAL PERMITS.
3. ALL LIMITS OF WORK SHALL BE LOCATED IN THE FIELD PRIOR TO CONSTRUCTION OR SITE CLEARING.
4. ALL WATER PIPES, HYDRANTS, GATE VALVES AND OTHER APPURTENANCES SHALL BE INSTALLED IN ACCORDANCE WITH THE ACTON WATER SUPPLY DISTRICT REQUIREMENTS.
5. ALL STUMPS AND OTHER CONSTRUCTION DEBRIS SHALL BE PROPERLY REMOVED ANY FILL MATERIAL USED SHALL BE FREE OF HAZARDOUS MATERIALS OR WASTE.
6. ALL DRAIN PIPES SHALL BE ADS N-12 UNLESS OTHERWISE SHOWN.
7. TRANSPORTATION OF FILL, EARTH, OR CONSTRUCTION DEBRIS TO OR FROM THE SITE SHALL BE RESTRICTED TO DAYTIME HOURS (9 AM TO 4 PM) MONDAY THROUGH FRIDAY.
8. CONSTRUCTION SHALL BE IN ACCORDANCE WITH 521 CMR - ARCHITECTURAL ACCESS BOARD REGULATIONS. ALL PROPOSED SIDEWALKS SHALL HAVE A MAX. CROSS SLOPE OF 2% IN ALL DIRECTIONS. HANDICAP PARKING STALLS AND ADJACENT AREAS SHALL HAVE A MAX. SLOPE OF 2% IN ALL DIRECTIONS.
9. LOCATIONS OF THE EXISTING SEPTIC TANKS, SOIL ABSORPTION SYSTEM, AND WATER LINE ARE APPROXIMATE PER ACTON B.O.H. RECORDS, AND ACTON TOWN ENGINEER RECORDS.
10. THE EXISTING ON-SITE SOIL ABSORPTION SYSTEM AND ASSOCIATED TANKS LABELED TO BE REMOVED SHALL BE ABANDONED PURSUANT TO 310CMR 15.354 ABANDONMENT OF SYSTEMS OR REMOVED FROM SITE.
11. ANY FILL MATERIAL USED SHALL BE FREE OF HAZARDOUS MATERIALS OR WASTE.

DRAINAGE SYSTEM OPERATION AND MAINTENANCE PLAN

1. BMP OWNER: 541 MASS AVE LCC, 541 MASSACHUSETTS AVE, ACTON, MA 01720
2. PARTIES RESPONSIBLE FOR MAINTENANCE: SAME AS ABOVE
3. SCHEDULE FOR INSPECTION AND MAINTENANCE:
 - DEEP SUMP AND HOODED CATCH BASIN: THE DEEP SUMPS FOR THE CATCH BASINS SHALL BE INSPECTED AND CLEANED QUARTERLY. THE CATCH BASINS HAVE A FOUR FOOT DEEP SUMP AND THE WATER LEVEL IS MAINTAINED BY THE DISCHARGE PIPE AT FOUR FEET. THE DISCHARGE PIPE IS HIDDEN FROM VIEW BY A HOODED OUTLET. THE DEPTH OF THE SEDIMENT IN THE BASIN SHALL NOT EXCEED A DEPTH OF 18 INCHES DETERMINED BY PROBING WITH A STICK. IF THE STICK HITS THE BOTTOM WITHIN 30 INCHES OF THE WATER LEVEL, MORE THAN 18 INCHES OF SEDIMENT HAS ACCUMULATED AND MUST BE REMOVED. LICENSED PERSONS SHOULD REMOVE AND DISPOSE OF THE CONTENTS OF THE SUMP IN ACCORDANCE WITH APPLICABLE REGULATIONS.
 - STORMCEPTOR: INSPECTION AND MAINTENANCE OF THE IN-LINE STORMCEPTOR CAN BE PERFORMED FROM THE SURFACE, WITHOUT ENTRY INTO THE UNIT. PERFORM MAINTENANCE ONCE THE STORED VOLUME REACHES 15% OF THE STORMCEPTOR CAPACITY, OR IMMEDIATELY IN THE EVENT OF A SPILL. PERFORM QUARTERLY INSPECTIONS DURING THE FIRST YEAR OF INSTALLATION TO ACCURATELY ESTABLISH THE MAINTENANCE SCHEDULE. REMOVE OIL AND SEDIMENT THROUGH THE 24-INCH DIAMETER OUTLET RISER PIPE. ALTERNATIVELY, FLOATABLES AND HYDROCARBONS MAY BE REMOVED THROUGH THE 6-INCH OIL INSPECTION PORT.
 - DISPOSAL FROM STORMCEPTOR ARE SIMILAR TO THAT OF ANY OTHER BEST MANAGEMENT PRACTICE (BMP). CONSULT LOCAL GUIDELINES OR YOUR STORMCEPTOR AREA MARKETING MANAGER PRIOR TO DISPOSING THE SEPARATOR CONTENTS.
- INFILTRATION BASIN: THE INFILTRATION BASIN SHALL BE INSPECTED AFTER EVERY MAJOR STORM EVENT FOR THE FIRST THREE MONTHS AFTER CONSTRUCTION, AND INSPECTED TWICE A YEAR THEREAFTER. PREVENTATIVE MAINTENANCE SHALL BE DONE TWICE A YEAR ON THE INFILTRATION BASIN.
 - PREVENTATIVE MAINTENANCE INCLUDES, BUT IS NOT LIMITED TO, MOWING THE BUFFER AREA, SIDE SLOPES, AND BASIN BOTTOM IF A GRASSED FLOOR; RAKE IF STONE BOTTOM; REMOVE TRASH AND DEBRIS; REMOVE GRASS CLIPPINGS AND ACCUMULATED ORGANIC MATTER.
 - SIDE SLOPES OF THE CHANNEL SHALL BE INSPECTED FOR EROSION. ALL ERODED AREAS SHALL RECEIVE 6" OF LOAM AND BE RESEDED PER ORIGINAL DESIGN PLAN. AREAS OF CONTINUED EROSION SHALL BE STABILIZED WITH 3" MINUS RIPRAP.
 - REMOVE ALL SEDIMENT FROM THE CHANNEL ONCE THE SEDIMENT REACHES 10% OF CHANNEL VOLUME OR 3-INCH DEPTH.
 - IF THERE IS PONDING DUE TO CLOGGING, IMMEDIATELY ADDRESS THE REASONS FOR THE PONDING.
- SEDIMENT FOREBAY: THE SEDIMENT FOREBAY SHALL BE INSPECTED AFTER EVERY MAJOR STORM EVENT FOR THE FIRST THREE MONTHS AFTER CONSTRUCTION, AND INSPECTED MONTHLY THEREAFTER. SEDIMENT SHALL BE REMOVED FROM THE SEDIMENT FOREBAY UPON DISCOVERY OF 3 INCHES OF SEDIMENT ACCUMULATION. ERODED OR BARREN SPOTS SHALL BE RECOVERED WITH STONE IMMEDIATELY AFTER INSPECTION TO PREVENT EROSION AND ACCUMULATION OF SEDIMENT. SEDIMENT SHALL BE REMOVED FROM THE FOREBAY AS NEEDED, AT LEAST FOUR TIMES EVERY YEAR. THIS PROCEDURE SHALL NOT TAKE PLACE UNTIL THE FLOOR OF THE FOREBAY IS THOROUGHLY DRY.
- POROUS PAVEMENT: POROUS PAVEMENT SHALL BE POWER WASHED TO DISLODGE TRAPPED PARTICLES AND THEN VACUUM SWEEP MONTHLY. WINTER SANDING IS PROHIBITED. THE SURFACE SHALL BE INSPECTED FOR DETRIORATION ANNUALLY. THE SURFACE SHALL BE MONITORED AFTER EVERY MAJOR STORM TO ENSURE PROPER DRAINAGE.
- TRENCH DRAINS: TRENCH DRAINS SHALL BE INSPECTED AND CLEANED QUARTERLY.
- RAIN GARDEN AND BIORETENTION AREA: THE GARDEN SHALL BE INSPECTED AFTER EVERY MAJOR STORM EVENT FOR THE FIRST THREE MONTHS AFTER CONSTRUCTION, AND INSPECTED AS STATED BELOW THEREAFTER. BIORETENTION AREAS REQUIRE CAREFUL ATTENTION WHILE PLANTS ARE BEING ESTABLISHED AND SEASONAL LANDSCAPING MAINTENANCE THEREAFTER.
 - SEASONAL LANDSCAPING MAINTENANCE INCLUDES, BUT IS NOT LIMITED TO:
 - INSPECTING AND REMOVING TRASH MONTHLY
 - INSPECTING SOIL AND REPAIRING ERODED AREAS MONTHLY
 - MULCHING ANNUALLY IN THE SPRING
 - REMOVING DEAD VEGETATION ANNUALLY IN THE SPRING OR FALL
 - REPLACING DEAD VEGETATION ANNUALLY IN THE SPRING
 - PRUNING ANNUALLY IN THE SPRING OR FALL
 - REPLACING ENTIRE MEDIA AND ALL VEGETATION AS NEEDED IN THE LATE SPRING OR EARLY SUMMER
 - RE-MULCH VOID AREAS AS NEEDED
 - SIDE SLOPES OF THE CHANNEL SHALL BE INSPECTED FOR EROSION. ALL ERODED AREAS FOUND SHALL RECEIVE 6" OF LOAM AND BE RESEDED PER ORIGINAL DESIGN PLAN. AREAS OF CONTINUED EROSION SHALL BE STABILIZED WITH 3" MINUS RIPRAP. IF THERE IS PONDING DUE TO CLOGGING, IMMEDIATELY ADDRESS THE REASONS FOR THE PONDING.
- EMERGENCY CONTACTS: IN THE EVENT OF A HAZARDOUS MATERIALS SPILL ON THE SITE THE FOLLOWING PARTIES SHALL BE CONTACTED: FIRE DEPARTMENT: PH: 978-264-3645
- RECORDS: THE OWNER SHALL MAINTAIN AN INSPECTION LOG OF ALL ELEMENTS OF THE STORM WATER MANAGEMENT PLAN. THE OWNER SHALL MAINTAIN A MAINTENANCE LOG DOCUMENTING THE INSPECTION AND MAINTENANCE OF THE DRAINAGE STRUCTURES UNDER HIS CONTROL. A COPY OF THE EROSION CONTROL AND STORM WATER MAINTENANCE PLAN AND INSPECTION LOGS SHALL BE KEPT ON-SITE AT ALL TIMES.



WAVE SITE PLAN ACTON, MASSACHUSETTS

DETAIL SHEET 1

FOR: **ROSENFELD**

SCALE: 1"=20' JULY 31, 2009

STAMSKI AND McNARY, INC.
80 HARRIS STREET ACTON, MASSACHUSETTS
(978) 263-8585
ENGINEERING - PLANNING - SURVEYING

(3320SP-WAV-C.DWG) SHEET 7 OF 8 SM-3320

JOSEPH MARCH CIVIL #40472

WILLIAM F. McNARY No. 30753