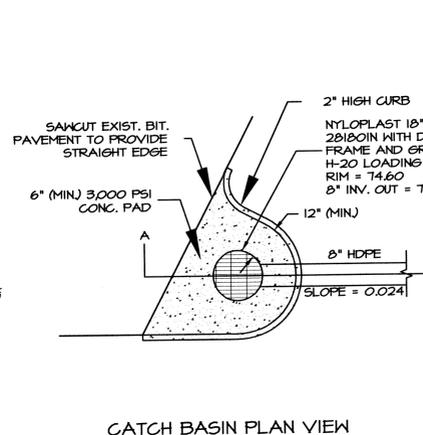
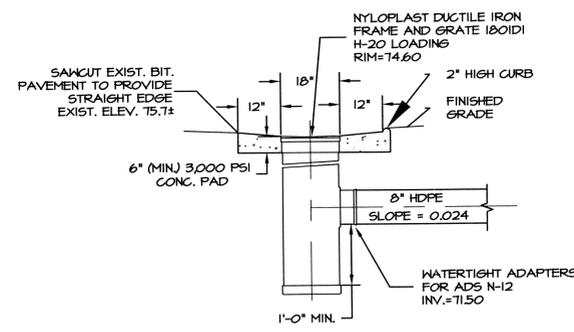


EXISTING CONDITIONS PLAN
SCALE: 1" = 30'



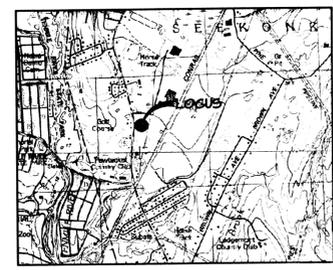
CATCH BASIN PLAN VIEW



18" DRAIN BASIN - 2818AG01N
SECTION A-A

COMPONENTS MANUFACTURED BY
NYLOPLAST - A DIVISION OF ADVANCED DRAINAGE SYSTEMS, INC.
180 RUMFORD AVENUE
MANSFIELD, MA 02048
781-223-1416

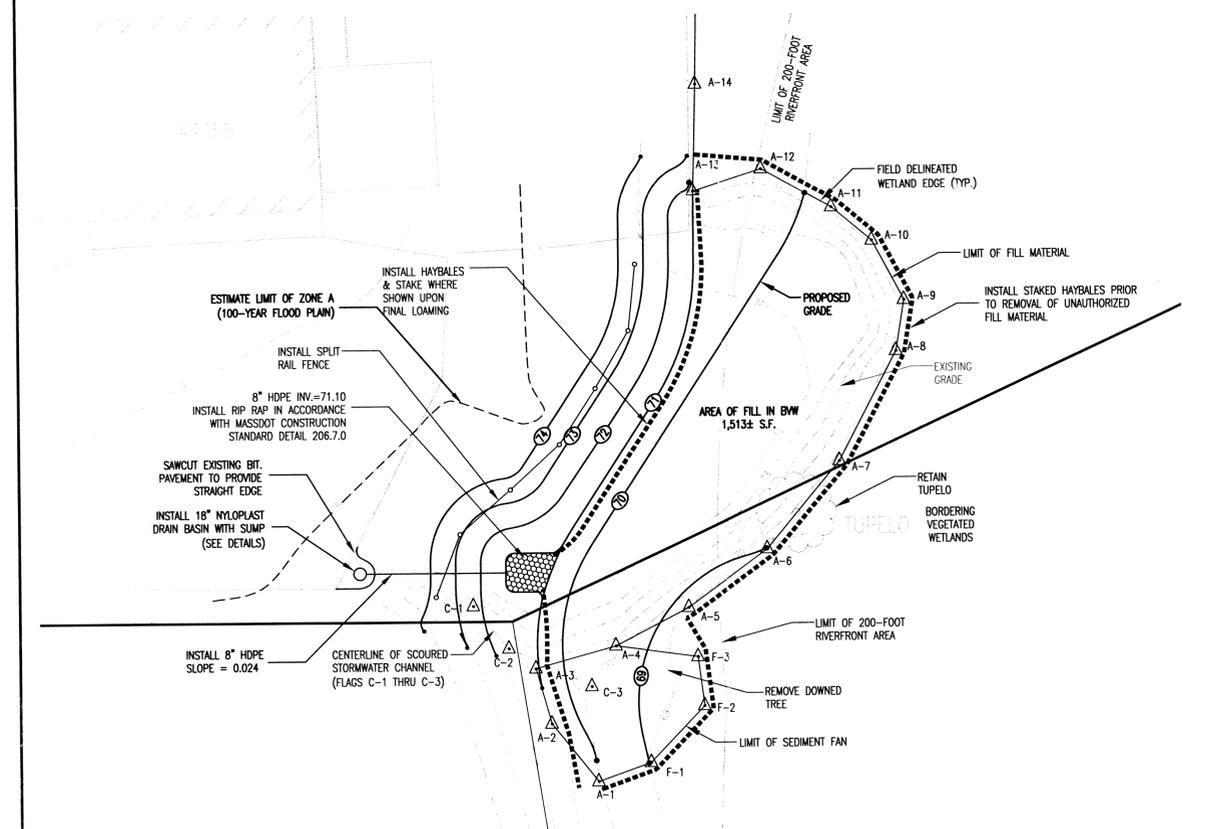
DRIVEWAY CATCH BASIN DETAIL
NOT TO SCALE



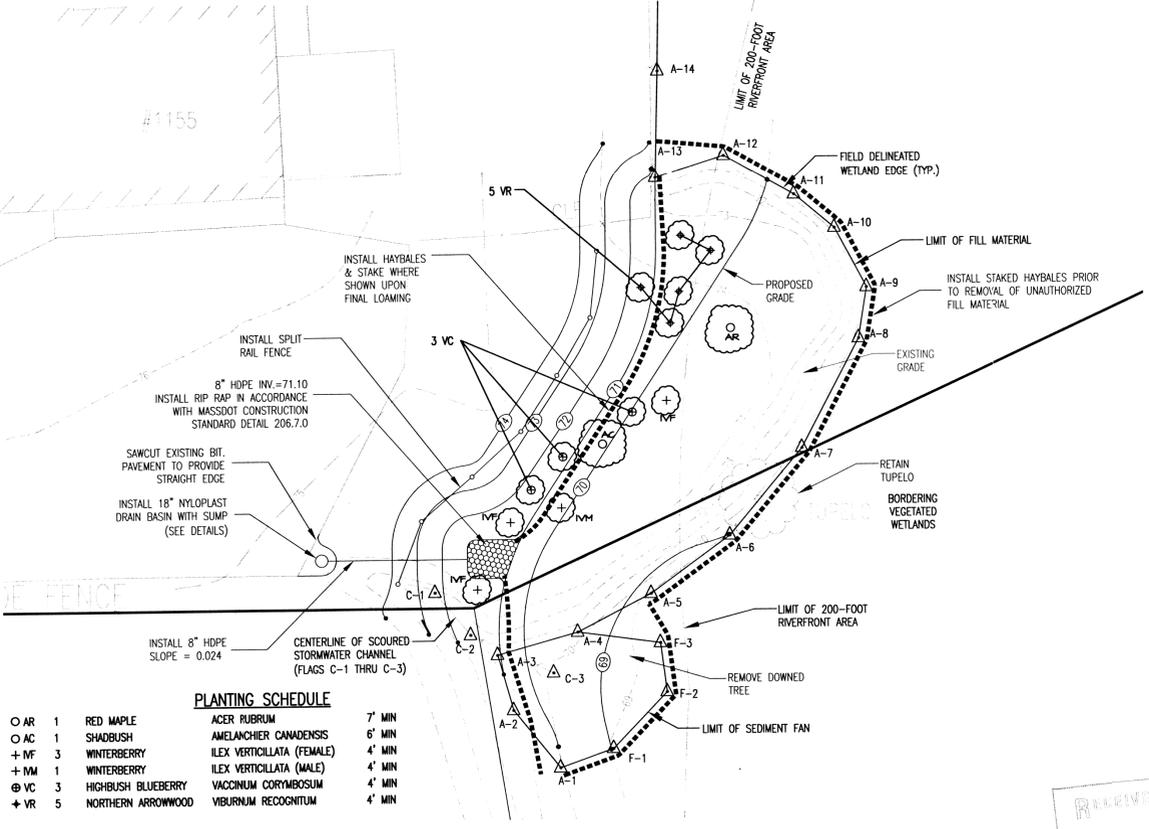
LOCATION MAP
SCALE: NOT TO SCALE

WETLAND RESTORATION NOTES & SEQUENCE

- A QUALIFIED BIOLOGIST SHALL BE RETAINED TO REVIEW RESTORATION ACTIVITIES.
- THE CONSERVATION AGENT AND BIOLOGIST SHALL BE NOTIFIED NOT LESS THAN 72 HOURS IN ADVANCE OF ANTICIPATED COMMENCEMENT OF RESTORATION ACTIVITIES.
- THE CONTRACTOR SHALL REVIEW THE CONSTRUCTION SEQUENCE WITH THE BIOLOGIST PRIOR TO COMMENCEMENT.
- RESTORATION ACTIVITIES SHALL INCLUDE REMOVAL OF UNAUTHORIZED EARTHEN FILLS FROM THE WETLAND FLOOR, RESHAPING OF THE SURROUNDING BANK, AND RE-ESTABLISHMENT OF THE NATIVE WETLAND PLANT COMMUNITY. STORMWATER MANAGEMENT IMPROVEMENTS ARE PROPOSED AS PART OF THE PROJECT TO CORRECT A PRE-EXISTING SCOUR PROBLEM AND TO AVOID LONG-TERM SEDIMENTATION IN THE WETLAND.
- MACHINERY ACCESS SHALL OCCUR ONLY FROM THE DRIVEWAY, AND HEAVY EQUIPMENT IS PROHIBITED ON THE WETLAND FLOOR.
- NO ACTIVITIES ARE TO OCCUR BEYOND THE PROJECT LIMITS DEPICTED ON THE PLANS, AND NO STONES, BRUSH, OR OTHER MATERIALS ARE TO BE DEPOSITED IN THE WETLANDS.
- THE TUPELO LOCATED ALONG THE WETLAND EDGE BETWEEN FLAGS A-6 AND A-7 SHALL BE RETAINED AND SHALL BE PROTECTED FROM DAMAGE.
- EXCAVATION IS TO OCCUR FROM EAST TO WEST SO THAT MACHINERY REMAINS ON HIGH GROUND AND SEQUENTIALLY BACKS AWAY FROM THE EXCAVATED AREA. EXCAVATION SHALL INCLUDE REMOVAL OF THE SEDIMENT FAN (BOUNDED BY FLAGS F-1, F-2, AND F-3) AND THE DUMPED FILL (BOUNDED BY FLAGS A-3 THROUGH A-13). FILL REMOVAL SHALL OCCUR ONLY DOWN TO THE DEPTH OF THE PRE-EXISTING WETLAND FLOOR AS DIRECTED BY THE BIOLOGIST AND/OR CONSERVATION AGENT.
- CLEAN MATERIAL EXCAVATED AS PART OF WETLAND RESTORATION IS TO BE HAULED OFF SITE TO A LEGAL, NON-WETLAND DISPOSAL SITE OR RESPONSIBLY REUSED IN THE APPLICANT'S FRONT YARD.
- ANY RUBBLE OR SYNTHETIC DEBRIS ENCOUNTERED DURING EXCAVATION IS TO BE REMOVED AND LAWFULLY DISPOSED OF OFF SITE.
- THE DRAINAGE STRUCTURE, PIPE, AND RIP-RAP PAD SHALL BE INSTALLED IN ACCORDANCE WITH THE PLANS.
- IT IS ANTICIPATED THAT ORIGINAL WETLAND SOILS ARE PRESENT BELOW THE UNAUTHORIZED FILL SUCH THAT HYDRIC SOILS WILL NOT NEED TO BE APPLIED. HOWEVER, IN THE EVENT THAT HYDRIC SOILS NEED TO BE INSTALLED, THEN THE PROPOSED WETLAND FLOOR AND LOWEST ONE FOOT OF THE SIDE SLOPE SHALL BE OVER-EXCAVATED TO ACCOMMODATE 12 INCHES OF EVENLY-SPREAD ORGANIC-MIX SOIL. IF REQUIRED, ORGANIC-MIX SOIL SHALL COMPRISE LOAM BLENDED WITH HUMUS AT A RATIO OF THREE PARTS MINERAL SOIL TO ONE PART HUMUS. ALL SOILS SHALL BE FREE OF MAN-MADE DEBRIS AND SEEDS OF "INVASIVE PLANTS".
- THE RESTORED WETLAND FLOOR SHALL BE GRADED SUCH THAT ITS FINAL ELEVATION BLENDS WITH THE ADJACENT UNDISTURBED WETLAND FLOOR AS DIRECTED BY THE BIOLOGIST/ CONSERVATION AGENT.
- SIX INCHES OF PLANTABLE LOAM SHALL BE SPREAD ON THE RESTORED SIDE SLOPES FOLLOWING FINAL SHAPING.
- IMMEDIATELY FOLLOWING LOAMING, A LINE OF STAKED, UNTRENCHED HAY BALES SHALL BE INSTALLED ON THE CREATED WETLAND FLOOR ALONG THE TOE OF THE RESTORED SLOPE WHERE INDICATED ON THE PLANS. THE BALES SHALL NOT BLOCK THE RIP RAP PAD.
- TREES AND SHRUBS SHALL BE PLANTED IN THE LOCATIONS SHOWN ON THE PLAN, UNDER THE GUIDANCE OF THE BIOLOGIST.
- THE FLOOR AND LOWEST ONE FOOT OF THE SIDE SLOPES (UP TO EL. 72) SHALL BE SEEDED WITH A HYDRIC GRASS/HERB SEED MIX TO BE SELECTED AND APPROVED BY THE BIOLOGIST. THE SEED MIX SHALL BE "NEW ENGLAND WETMIX" (OR EQUIVALENT), AVAILABLE FROM NEW ENGLAND WETLAND PLANTS, INC., AMHERST, MA.
- UPON COMPLETION OF ALL IN-WETLANDS ACTIVITIES, A SPLIT RAIL FENCE SHALL BE INSTALLED WHERE SHOWN ON THE PLANS, JUST ABOVE ELEVATION 73.
- THE SIDE SLOPES AND ALL OTHER AREAS EXPOSED AS A RESULT OF WETLAND RESTORATION ACTIVITIES SHALL BE SEEDED WITH A CONSERVATION GRASS MIX. THE LOWEST ONE FOOT OF RESTORED SIDE SLOPES WILL BE SEEDED WITH BOTH SEED MIXES (EL. 71 - 72).
- UPON COMPLETION OF ALL ITEMS LISTED ABOVE, STRAW MULCH SHALL BE LOOSELY SPREAD THE CREATED WETLAND FLOOR, SIDE SLOPES, AND ANY OTHER AREAS DISTURBED AND SEEDS AS PART OF RESTORATION ACTIVITIES.
- SEED, TREES, AND SHRUBS SHALL BE WATERED AS NECESSARY TO ENSURE GERMINATION AND SURVIVAL. THE CONTRACTOR/OWNER IS RESPONSIBLE FOR ENSURING SURVIVAL OF ALL PLANTINGS FOR A MINIMUM TWO-YEAR PERIOD.
- UPON COMPLETION OF RESTORATION, THE BIOLOGIST SHALL FILE A REPORT TO THE CONSERVATION COMMISSION INDICATING THAT RESTORATION HAS BEEN COMPLETED, NOTING THE STATUS OF THE AREAS AND ANY DISCREPANCIES THAT MAY HAVE BEEN ENCOUNTERED. THIS REPORT SHALL BE FILED AS PART OF THE CERTIFICATE OF COMPLIANCE (COC) REQUEST.



GRADING PLAN
SCALE: 1" = 10'



PLANTING PLAN
SCALE: 1" = 10'

PLANTING SCHEDULE

○ AR	1	RED MAPLE	ACER RUBRUM	7' MIN
○ AC	1	SHADOBUSH	AMELANCHER CANADENSIS	6' MIN
+ IM	3	WINTERBERRY	ILEX VERTICILLATA (FEMALE)	4' MIN
+ IM	1	WINTERBERRY	ILEX VERTICILLATA (MALE)	4' MIN
⊕ VC	3	HIGHBUSH BLUEBERRY	VACCINIUM CORYMBOSUM	4' MIN
+ VR	5	NORTHERN ARROWWOOD	VIBURNUM RECOGNITUM	4' MIN

NOTES:

- MASSACHUSETTS NATURAL HERITAGE AND ENDANGERED SPECIES PROGRAM PRIORITY AND ESTIMATED HABITAT POLYGONS NOT PRESENT WITHIN PROPERTY LIMITS, AS MAPPED IN THE MASSACHUSETTS NATURAL HERITAGE ATLAS.
- THIS PARCEL LIES PARTIALLY WITHIN ZONE A (100-YEAR FLOOD PLAIN) AS SHOWN ON THE FLOOD INSURANCE RATE MAP, MAP NUMBER 2505020114F, DATED JULY 7, 2009. USING THIS MAP, THE ZONE A LIMIT IS ESTIMATED TO BE ELEVATION 75.

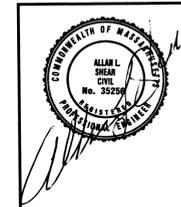
LEGEND

- 100- EXISTING CONTOUR
- (---) PROPOSED CONTOUR
- MA. STD. MASSACHUSETTS STANDARD
- INV. INVERT OF PIPE
- P.V.C. POLYVINYL CHLORIDE PIPE
- S.D.R. STANDARD DIMENSION RATIO
- HDPE HIGH DENSITY POLYETHYLENE PIPE
- CONC. CONCRETE (BT. OR P. C.)
- BT. BITUMINOUS
- P. C. PORTLAND CEMENT
- BT. TYPICAL
- F.G. 100x00 FINISHED SPOT GRADE
- 100x00 EXISTING SPOT GRADE
- E PROPERTY LINE
- x-CLF-x- CHAIN LINK FENCE
- STAKED HAY BALES

LOT INFORMATION

ASSESSORS PLAT NO. 21
LOT 112
OWNERS:
LISA MARTIN & CHRISTOPHER J. KELLEY
1155 NEWMAN AVENUE
SEEKONK, MA 02711
AREA = 41,951 SF.
DEED BOOK 13201 - PAGE 112

RECEIVED
OCT 05 2010
SEEKONK CONSERVATION



WETLAND RESTORATION PLAN
PREPARED FOR:
CHRISTOPHER J. KELLEY
1155 NEWMAN AVENUE
SEEKONK, MASSACHUSETTS

CAPUTO AND WICK LTD. DATE: OCTOBER 4, 2010
1150 PAWTUCKET AVE. RUMFORD, R.I. 02916 SHEET: 1 OF 1
401-434-8880