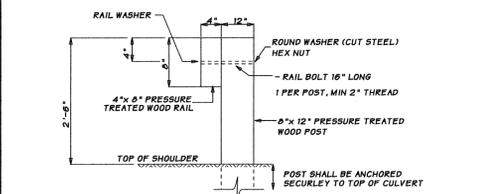


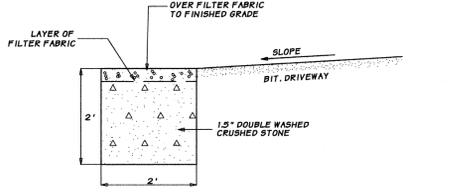
DRIVEWAY WETLAND CROSSING WITH OPEN BOTTOM BOX CULVERT

NOT TO SCALE



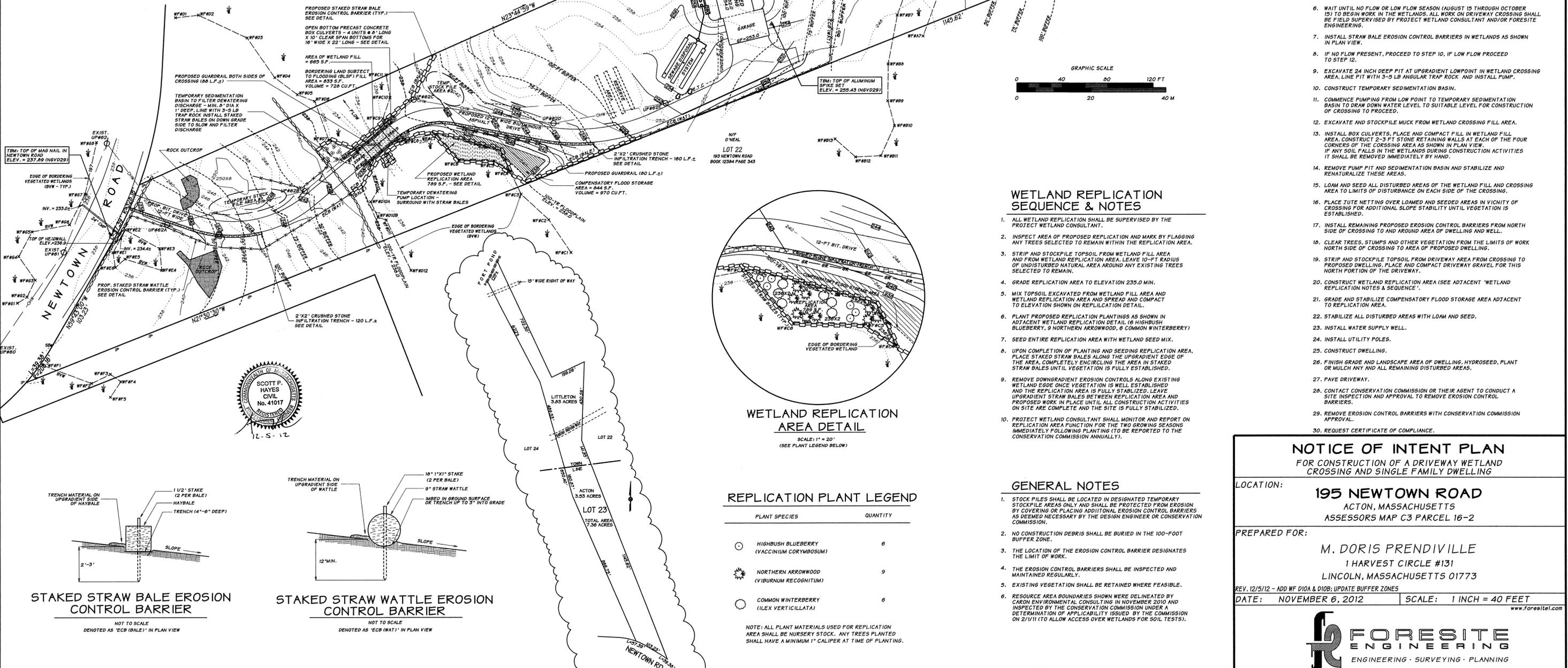
PRESSURE TREATED WOOD GUARD RAIL

NOT TO SCALE  
NOTE: GUARD RAIL POSTS SHALL BE SPACED 8' ON CENTER  
LOCATIONS DENOTED 'OR' ON PLAN VIEW



DRIVEWAY INFILTRATION TRENCHES

NOT TO SCALE  
(TO BE INSTALLED AT LOCATIONS SHOWN IN PLAN VIEW ON DOWN-GRADIENT DRIVEWAY EDGE)



CONSTRUCTION SEQUENCE

1. NOTIFY CONSERVATION COMMISSION OFFICE OF INTENTION TO START WORK AT LEAST 72 HOURS PRIOR TO COMMENCING ANY CONSTRUCTION ACTIVITIES.
2. INSTALL EROSION CONTROL BARRIERS ON THE SOUTH SIDE OF PROPOSED WORK FROM NEWTOWN ROAD TO SOUTH SIDE OF PROPOSED WETLAND CROSSING. PLACE STAKED STRAW BALES TEMPORARILY BETWEEN WF#8 & #9 DURING CONSTRUCTION OF THE SOUTHERN PORTION OF THE DRIVEWAY.
3. CONTACT CONSERVATION COMMISSION OFFICE TO INSPECT EROSION CONTROL BARRIER INSTALLATION. WORK SHALL NOT PROCEED UNTIL CONSERVATION COMMISSION OR THEIR AGENT INSPECT AND AUTHORIZE WORK TO COMMENCE.
4. CLEAR TREES, STUMPS AND OTHER VEGETATION FROM THE LIMITS OF WORK FROM NEWTOWN ROAD TO SOUTH SIDE OF PROPOSED WETLAND CROSSING.
5. STRIP AND STOCKPILE TOPSOIL FROM DRIVEWAY AREA FROM NEWTOWN ROAD TO SOUTH SIDE OF PROPOSED WETLAND CROSSING. PLACE AND COMPACT DRIVEWAY GRAVEL ON THIS PORTION OF THE DRIVEWAY.
6. WAIT UNTIL NO FLOW OR LOW FLOW SEASON (AUGUST 15 THROUGH OCTOBER 15) TO BEGIN WORK IN THE WETLANDS. ALL WORK ON DRIVEWAY CROSSING SHALL BE FIELD SUPERVISED BY PROJECT WETLAND CONSULTANT AND/OR FORESIT ENGINEERING.
7. INSTALL STRAW BALE EROSION CONTROL BARRIERS IN WETLANDS AS SHOWN IN PLAN VIEW.
8. IF NO FLOW PRESENT, PROCEED TO STEP 10. IF LOW FLOW PROCEED TO STEP 12.
9. EXCAVATE 24 INCH DEEP PIT AT UPGRADIENT LOWPOINT IN WETLAND CROSSING AREA. LINE PIT WITH 3-5 LB ANGULAR TRAP ROCK AND INSTALL PUMP.
10. CONSTRUCT TEMPORARY SEDIMENTATION BASIN.
11. COMMENCE PUMPING FROM LOW POINT TO TEMPORARY SEDIMENTATION BASIN TO DRAW DOWN WATER LEVEL TO SUITABLE LEVEL FOR CONSTRUCTION OF CROSSING TO PROCEED.
12. EXCAVATE AND STOCKPILE MUCK FROM WETLAND CROSSING FILL AREA.
13. INSTALL BOX CULVERTS. PLACE AND COMPACT FILL IN WETLAND FILL AREA. CONSTRUCT 2-3 FT STONE RETAINING WALLS AT EACH OF THE FOUR CORNERS OF THE CROSSING AREA AS SHOWN IN PLAN VIEW. IF ANY SOIL FALLS IN THE WETLANDS DURING CONSTRUCTION ACTIVITIES IT SHALL BE REMOVED IMMEDIATELY BY HAND.
14. REMOVE PUMP PIT AND SEDIMENTATION BASIN AND STABILIZE AND RENATURALIZE THESE AREAS.
15. LOAM AND SEED ALL DISTURBED AREAS OF THE WETLAND FILL AND CROSSING AREA TO LIMITS OF DISTURBANCE ON EACH SIDE OF THE CROSSING.
16. PLACE JUTE NETTING OVER LOAMED AND SEEDED AREAS IN VICINITY OF CROSSING FOR ADDITIONAL SLOPE STABILITY UNTIL VEGETATION IS ESTABLISHED.
17. INSTALL REMAINING PROPOSED EROSION CONTROL BARRIERS FROM NORTH SIDE OF CROSSING TO AND AROUND AREA OF DWELLING AND WELL.
18. CLEAR TREES, STUMPS AND OTHER VEGETATION FROM THE LIMITS OF WORK NORTH SIDE OF CROSSING TO AREA OF PROPOSED DWELLING.
19. STRIP AND STOCKPILE TOPSOIL FROM DRIVEWAY AREA FROM CROSSING TO PROPOSED DWELLING. PLACE AND COMPACT DRIVEWAY GRAVEL FOR THIS NORTH PORTION OF THE DRIVEWAY.
20. CONSTRUCT WETLAND REPLICATION AREA (SEE ADJACENT 'WETLAND REPLICATION NOTES & SEQUENCE').
21. GRADE AND STABILIZE COMPENSATORY FLOOD STORAGE AREA ADJACENT TO REPLICATION AREA.
22. STABILIZE ALL DISTURBED AREAS WITH LOAM AND SEED.
23. INSTALL WATER SUPPLY WELL.
24. INSTALL UTILITY POLES.
25. CONSTRUCT DWELLING.
26. FINISH GRADE AND LANDSCAPE AREA OF DWELLING. HYDROSEED, PLANT OR MULCH ANY AND ALL REMAINING DISTURBED AREAS.
27. PAVE DRIVEWAY.
28. CONTACT CONSERVATION COMMISSION OR THEIR AGENT TO CONDUCT A SITE INSPECTION AND APPROVAL TO REMOVE EROSION CONTROL BARRIERS.
29. REMOVE EROSION CONTROL BARRIERS WITH CONSERVATION COMMISSION APPROVAL.
30. REQUEST CERTIFICATE OF COMPLIANCE.

WETLAND REPLICATION SEQUENCE & NOTES

1. ALL WETLAND REPLICATION SHALL BE SUPERVISED BY THE PROJECT WETLAND CONSULTANT.
2. INSPECT AREA OF PROPOSED REPLICATION AND MARK BY FLAGGING ANY TREES SELECTED TO REMAIN WITHIN THE REPLICATION AREA.
3. STRIP AND STOCKPILE TOPSOIL FROM WETLAND FILL AREA AND FROM WETLAND REPLICATION AREA. LEAVE 10-FT RADIUS OF UNDISTURBED NATURAL AREA AROUND ANY EXISTING TREES SELECTED TO REMAIN.
4. GRADE REPLICATION AREA TO ELEVATION 235.0 MIN.
5. MIX TOPSOIL EXCAVATED FROM WETLAND FILL AREA AND WETLAND REPLICATION AREA AND SPREAD AND COMPACT TO ELEVATION SHOWN ON REPLICATION DETAIL.
6. PLANT PROPOSED REPLICATION PLANTINGS AS SHOWN IN ADJACENT WETLAND REPLICATION DETAIL (6 Highbush Blueberry, 9 Northern Arrowwood, 8 Common Winterberry).
7. SEED ENTIRE REPLICATION AREA WITH WETLAND SEED MIX.
8. UPON COMPLETION OF PLANTING AND SEEDING REPLICATION AREA, PLACE STAKED STRAW BALES ALONG THE UPGRADIENT EDGE OF THE AREA, COMPLETELY ENCLOSING THE AREA IN STAKED STRAW BALES UNTIL VEGETATION IS FULLY ESTABLISHED.
9. REMOVE DOWNGRADIENT EROSION CONTROLS ALONG EXISTING WETLAND EDGE ONCE VEGETATION IS WELL ESTABLISHED AND THE REPLICATION AREA IS FULLY STABILIZED. LEAVE UPGRADIENT STRAW BALES BETWEEN REPLICATION AREA AND PROPOSED WORK IN PLACE UNTIL ALL CONSTRUCTION ACTIVITIES ON SITE ARE COMPLETE AND THE SITE IS FULLY STABILIZED.
10. PROTECT WETLAND CONSULTANT SHALL MONITOR AND REPORT ON REPLICATION AREA FUNCTION FOR THE TWO GROWING SEASONS IMMEDIATELY FOLLOWING PLANTING (TO BE REPORTED TO THE CONSERVATION COMMISSION ANNUALLY).

WETLAND REPLICATION AREA DETAIL

SCALE: 1" = 20'  
(SEE PLANT LEGEND BELOW)

REPLICATION PLANT LEGEND

PLANT SPECIES	QUANTITY
HIGHBUSH BLUEBERRY (VACCINIUM CORYMBOSUM)	6
NORTHERN ARROWWOOD (VIBURNUM RECOGNITUM)	9
COMMON WINTERBERRY (ILEX VERTICILLATA)	6

NOTE: ALL PLANT MATERIALS USED FOR REPLICATION AREA SHALL BE NURSERY STOCK. ANY TREES PLANTED SHALL HAVE A MINIMUM 1" CALIPER AT TIME OF PLANTING.

STAKED STRAW BALE EROSION CONTROL BARRIER

NOT TO SCALE  
DENOTED AS 'ECB (BALE)' IN PLAN VIEW

STAKED STRAW WATTLE EROSION CONTROL BARRIER

NOT TO SCALE  
DENOTED AS 'ECB (WAT)' IN PLAN VIEW



**NOTICE OF INTENT PLAN**  
FOR CONSTRUCTION OF A DRIVEWAY WETLAND CROSSING AND SINGLE FAMILY DWELLING

LOCATION: **195 NEWTOWN ROAD**  
ACTON, MASSACHUSETTS  
ASSESSORS MAP C3 PARCEL 16-2

PREPARED FOR: **M. DORIS PRENDIVILLE**  
1 HARVEST CIRCLE #131  
LINCOLN, MASSACHUSETTS 01773

REV. 12/5/12 - ADD WF D10A & D10B; UPDATE BUFFER ZONES  
DATE: **NOVEMBER 6, 2012** SCALE: **1 INCH = 40 FEET**

**FORESITE ENGINEERING**  
ENGINEERING · SURVEYING · PLANNING  
16 Gleasondale Road Suite 1-1  
Stow, Massachusetts 01775  
Phone: (978) 461-2350