

1). THE PURPOSE OF THIS PLAN IS TO SHOW A PROPOSED SINGLE FAMILY HOME DEVELOPMENT AT 120 WHITE BIRCH STREET, LEICESTER, MA 01524

2). THE SUBJECT PROPERTY IS LOCATED WITHIN THE SA ZONING DISTRICT THAT HAVE THE FOLLOWING DIMENSIONAL REQUIREMENTS:

RR_ZONE:	REQUIRED	PROVIDED
MINIMUM LOT AREA:	80,000 S.F.	119,774.5 S.F.±
MINIMUM LOT FRONTAGE:	200'	200'
FRONT SETBACK:	40'	384.4'±
SIDE SETBACK:	40'	40.3'±
REAR SETBACK:	40'	234.4'±
MAXIMUM BLDG COVERAGE:	30%	4%±

STABILIZATION:

1. AREAS OF DISTURBANCE SHALL BE TREATED WITH 4" MIN LOAM AND SEED.
2. CLEAN STRAW IS TO BE LAID OVER ALL AREAS OF SEEDING IF HYDROSEED IS NOT UTILIZED. AREAS ARE TO BE WATERED REGULARLY UNTL VEGETATION TAKES HOLD.
3. ALL SLOPES GREATER THAN 3:1 TO BE STABILIZED WITH EITHER RIP RAP SLOPE STABILIZATION OR EROSION CONTROL BLANKETS INSTALLED PER MANUFACTURER'S SPECIFICATIONS. SEE DETAILS.

NOTES:

1. NO WORK OR STOCKPILING TO TAKE PLACE BEYOND THE PROPOSED EROSION CONTROL BARRIER.
2. 55 GALLON SPILL KIT TO BE KEPT ON SITE WHILE MACHINERY IS IN USE.
3. A MINIMUM OF 4" LOAM, SEED, AND CLEAN STRAW TO BE PLACED ON ALL AREAS OF EARTH DISTURBANCE.
4. WETLANDS AS SHOWN DELINEATED BY ECOTEC INC ON APRIL 26 2023.
5. EX CONDITIONS SHOWN PRODUCED BY IN THE FIELD SURVEY PERFORMED BY MCCLURE ENG. INC. IN MAY 2023 OVERSEEN BY MARK LAPRAD, P.L.S OF MCCLURE ENG. INC.
6. THE SITE DOES NOT APPEAR TO LIE WITHIN A FEMA SPECIAL FLOOD HAZARD PER FEMA FLOOD MAP 25027C0595E DATED 7.4.11.

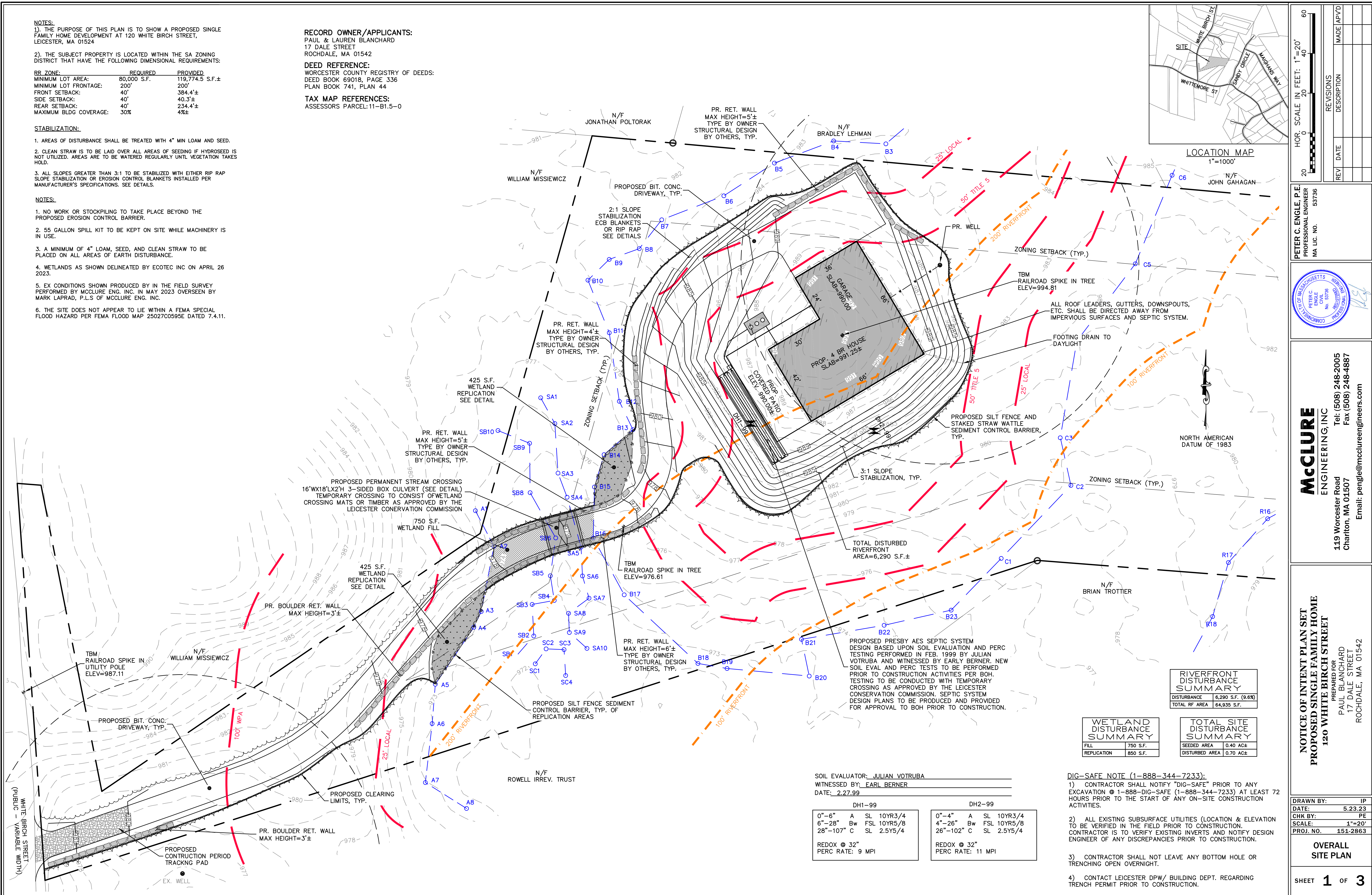
RECORD OWNER/ARTIST
PAUL & LAUREN BLANCHARD
17 DALE STREET
ROCHDALE, MA 01542

DEED REFERENCE:

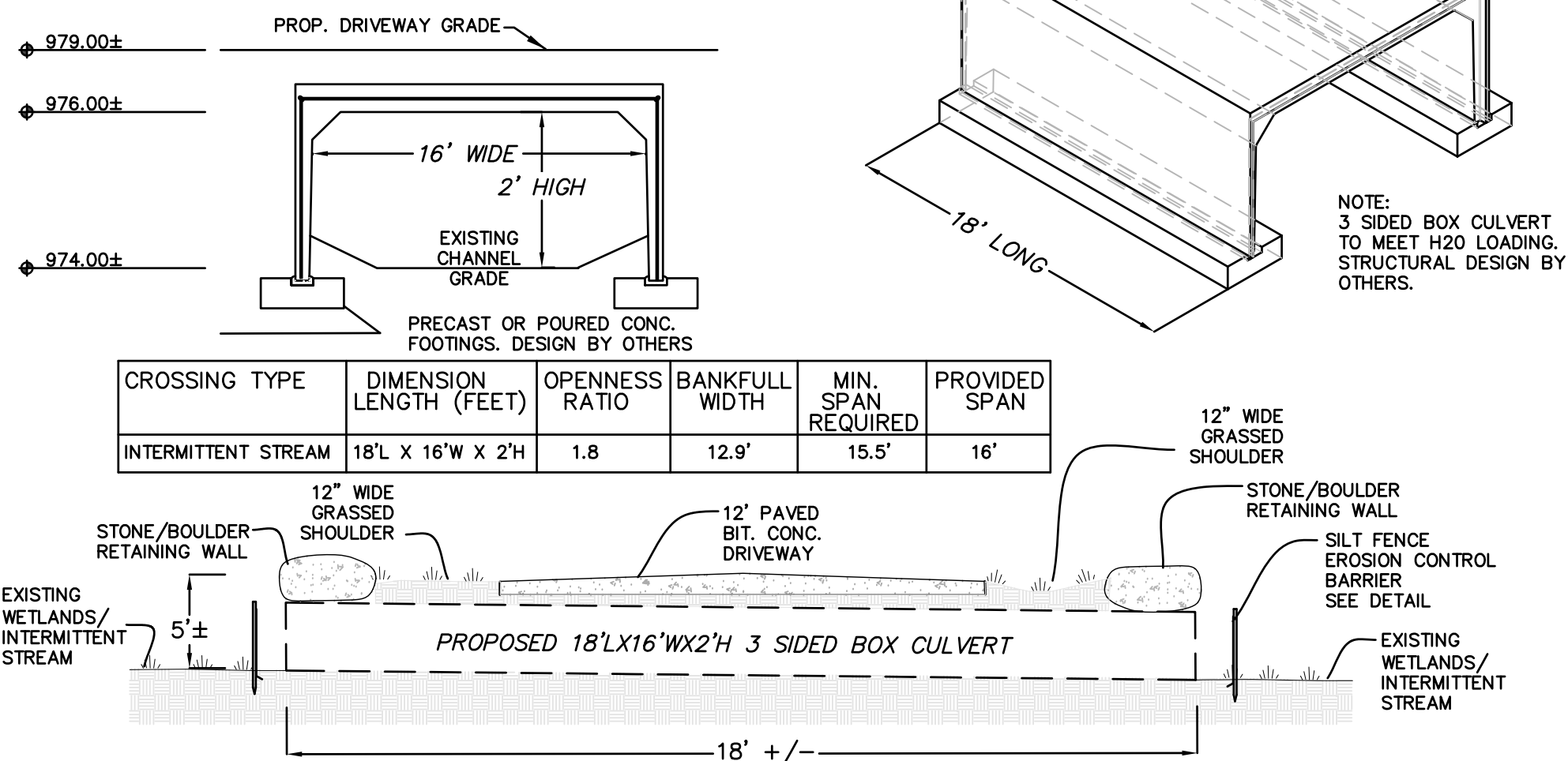
DEED REFERENCE:
WORCESTER COUNTY REGISTRY OF DEEDS:
DEED BOOK 69018, PAGE 336
PLAN BOOK 741, PLAN 44

TAX MAP REFERENCES:

TAX MAP REFERENCES.
ASSESSORS PARCEL: 11-B1.5-0



RE-CONSTRUCT THE NATURAL CHANNEL BOTTOM SUBSTRATE AND BVW WITHIN STRUCTURE IF NECESSARY (IF DAMAGE TO THE CHANNEL IS INCURRED DURING CONSTRUCTION OR FROM TEMPORARY CROSSING). SUBJECT TO INSPECTION BY WETLAND SCIENTIST, DESIGN ENGINEER, AND TOWN. ALL EFFORTS SHALL BE MADE TO NOT DISTURB OR DAMAGE THE BVW, STREAM BANKS, OR CHANNEL DURING CONSTRUCTION.



3-SIDED BOX CULVERT DETAIL

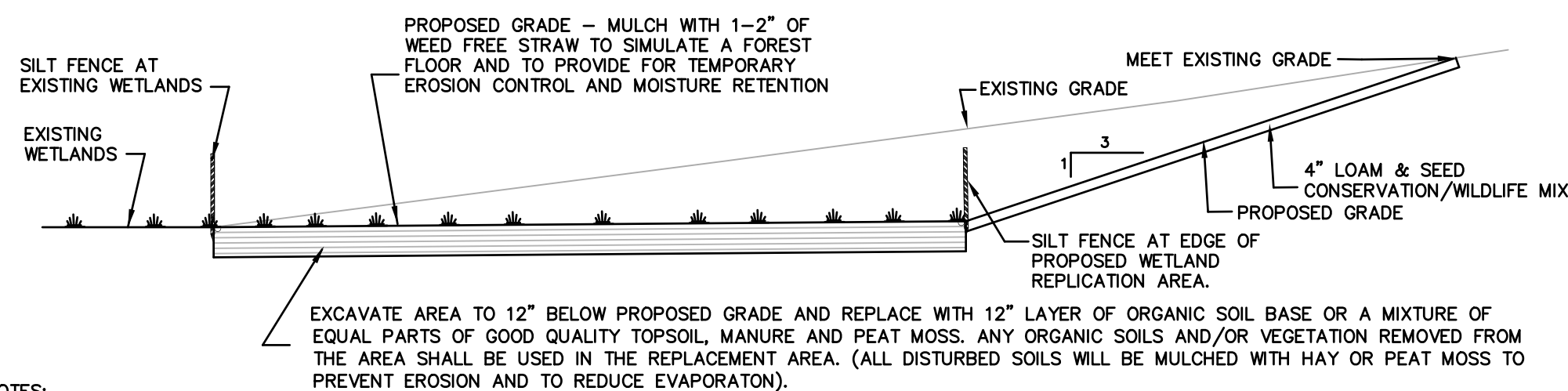
NOT TO SCALE

REPLICATION AREA (APPROX. 425 S.F.)

PLANTING SCHEDULE:

SHRUBS, 5' O.C. AVERAGE SPACING, 2.5'-3' TALL
10 NATIVE Highbush Blueberry (Vaccinium corymbosum)
10 Sweet Pepperbush (Clethra alnifolia)

NATIVE TREES, 15' O.C. AVERAGE SPACING, 6'-8' TALL
2 RED MAPLE (Acer rubrum)

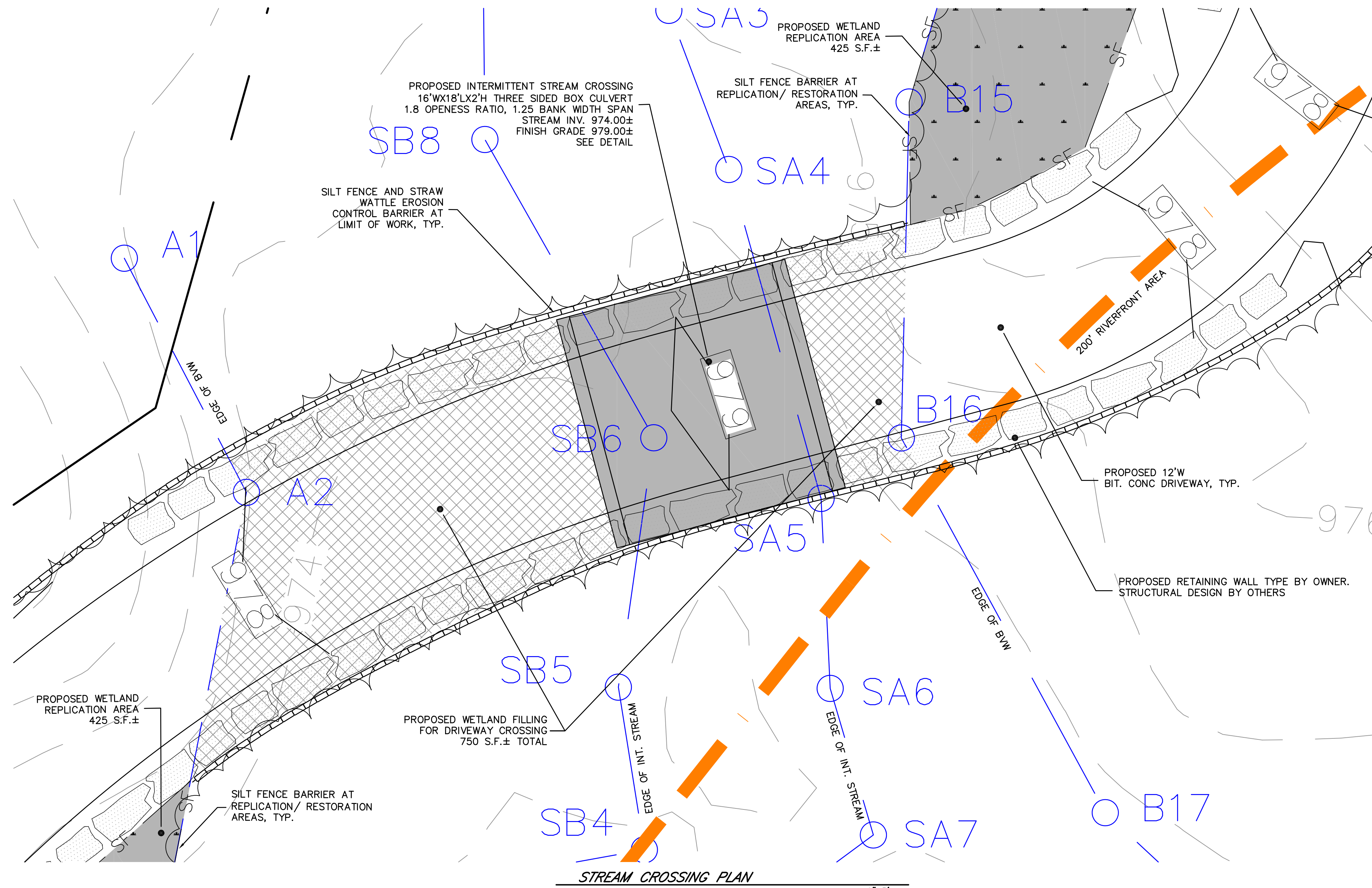


NOTES:

1. THE SURFACE OF THE REPLACEMENT AREA TO BE CREATED ("THE REPLACEMENT AREA") SHALL BE AT LEAST EQUAL TO THAT OF THE LOST AREA.
2. THE GROUND WATER AND SURFACE ELEVATION OF THE REPLACEMENT AREA SHALL BE APPROXIMATELY EQUAL TO THAT OF THE LOST AREA.
3. THE OVERALL HORIZONTAL CONFIGURATION AND LOCATION OF THE REPLACEMENT AREA WITH RESPECT TO THE BANK SHALL BE SIMILAR TO THAT OF THE LOST AREA.
4. THE REPLACEMENT AREA SHALL HAVE AN UNRESTRICTED HYDRAULIC CONNECTION TO THE SAME WATER BODY OR WATERWAY ASSOCIATED WITH THE LOST AREA.
5. THE REPLACEMENT AREA SHALL BE LOCATED WITHIN THE SAME GENERAL AREA OF THE WATER BODY OR REACH OF THE WATERWAY AS THE LOST AREA.
6. AT LEAST 75% OF THE SURFACE OF THE REPLACEMENT AREA SHALL BE REESTABLISHED WITH INDIGENOUS WETLAND PLANT SPECIES WITHIN TWO GROWING SEASONS, AND PRIOR TO SAID VEGETATIVE REESTABLISHMENT ANY EXPOSED SOIL IN THE REPLACEMENT AREA SHALL BE TEMPORARILY STABILIZED TO PREVENT EROSION IN ACCORDANCE WITH STANDARD U.S. SOIL CONSERVATION SERVICE METHODS.
7. THE REPLACEMENT AREA SHALL BE PROVIDED IN A MANNER WHICH IS CONSISTENT WITH ALL OTHER GENERAL PERFORMANCE STANDARDS FOR EACH RESOURCE AREA IN PART III OF 310 CMR 10.00.
8. A WETLAND SCIENTIST SHALL BE PRESENT AT ALL TIMES DURING REPLICATION ACTIVITIES.

WETLAND REPLICATION DETAIL

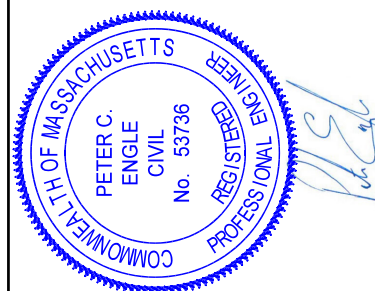
NOT TO SCALE



REPLICATION CONSTRUCTION PROTOCOL:

THE REPLICATION WORK SHALL BE COMPLETED IN CONFORMANCE WITH THE FOLLOWING PROTOCOL. A WETLAND SCIENTIST SHALL BE PRESENT ON SITE DURING MITIGATION ACTIVITIES. A WETLAND SCIENTIST REPORT SHALL BE REQUIRED FOLLOWING REPLICATION/ RESTORATION ACTIVITIES.

1. THE CONSERVATION COMMISSION WILL BE NOTIFIED AT LEAST 48 BUSINESS WEEK HOURS PRIOR TO COMMENCEMENT OF RESTORATION WORK.
2. THE WETLAND BOUNDARIES (I.E., DOWNGRADIENT EDGES OF THE WETLAND REPLICATION AREAS) WILL BE MARKED IN THE FIELD.
3. PRIOR TO THE START OF EARTH-MOVING ACTIVITIES IN THE REPLICATION AREA, AN EROSION CONTROL BARRIER OF PROPERLY INSTALLED SILTATION FENCE WILL BE INSTALLED ALONG THE WETLAND BOUNDARIES BETWEEN THE WETLAND AND THE WETLAND REPLICATION AREA. THE PROJECT WETLAND SCIENTIST WILL EVALUATE THE REPLICATION AREAS PRIOR TO CLEARING. THE WETLAND REPLICATION AREA WILL THEN BE CLEARED AND GRUBBED, WITH THE EXCEPTION OF THE TREES THAT HAVE BEEN MARKED TO BE SAVED.
4. THE PROPOSED FINAL GRADE FOR THE REPLICATION AREAS SHOULD APPROXIMATE THE ELEVATION OF THE ADJACENT WETLAND AREA AS NOTED ON THE SITE PLANS. THE REPLICATION AREAS WILL BE EXCAVATED TO A DEPTH OF 12 INCHES BELOW THE PROPOSED FINAL GRADE. THE EXCAVATION AND PLANTING WORK WILL BE CLOSELY SUPERVISED BY A QUALIFIED WETLAND SCIENTIST. MODIFICATIONS TO THE PROPOSED GRADING MAY BE MADE IN THE FIELD BY THE WETLAND SCIENTIST IN RESPONSE TO OBSERVED SUBSURFACE HYDROLOGIC CONDITIONS. ALL EXCAVATED MATERIAL WILL BE DISPOSED OF AWAY FROM ALL WETLAND RESOURCE AREAS AND PROTECTED FROM EROSION. ROCK PILES WILL BE PLACED AT SUB-GRADE AS NOTED BELOW.
5. WETLAND TOPSOILS WILL CONSIST OF A 1:1 MIXTURE OF HIGH QUALITY, LOAMY TOPSOIL AND LEAF MOLD COMPOST, AS NECESSARY, TO APPROXIMATE 12 INCHES IN THICKNESS THROUGHOUT THE REPLICATION AREA. THE SUBSTRATE WILL BE ROUGHLY GRADED TO PROVIDE AN APPROPRIATE MICROTOPOGRAPHY. A MINIMUM OF 4 INCHES OF LOAMY TOPSOIL WILL BE APPLIED TO THE SIDE-SLOPES OF THE WETLAND REPLICATION AREA. THE SIDE SLOPES SHOULD BE STABILIZED AS NECESSARY TO PREVENT EROSION.
6. WILDLIFE ENHANCEMENT MEASURES INCLUDING TREE SNAGS AND ROCK PILES WILL BE INSTALLED WITHIN THE REPLICATION AREA. THE TREE SNAGS WILL CONSIST OF 10 TO 15 FOOT LOGS PLACED RANDOMLY ON THE FINISHED SURFACE. THE TREE SNAGS WILL PROVIDE FOOD, FORAGE AND CAVITY NESTING OPPORTUNITIES. THE ROCK PILES WILL CONSIST OF FIVE OR SIX BOULDERS EACH (APPROXIMATELY 24 INCHES IN DIAMETER) PILED AT SUB-GRADE SO AS TO CREATE CREVICES AND CAVITIES FOR SHELTER AND NESTING.
7. AN EROSION CONTROL BARRIER COMPRISING OF ONLY TOED-IN SILTATION FENCE WILL BE PROPERLY INSTALLED BETWEEN THE COMPLETED REPLICATION AREA AND THE ADJACENT UPLAND SIDESLOPES.
8. PLANTINGS IN THE REPLICATION AREAS TO BE NATIVE WETLAND SPECIES. SCHEDULE TO BE DETERMINED BY WETLAND SCIENTIST. PLANTING WILL BE DONE ONLY DURING THE BEGINNING (APRIL 15 THROUGH JUNE 15) OR END (SEPTEMBER 15 TO NOVEMBER 15) OF THE GROWING SEASON. PLANTING IN THE MID-GROWING SEASON IS ONLY ACCEPTABLE IF IRRIGATION IS PROVIDED. THE PLANT SPECIES IDENTIFIED IN THE TABLE BELOW WILL BE PLANTED IN THE REPLICATION AREA EITHER BY TRANSPLANT OR FROM NURSERY STOCK. THE SAPLINGS WILL BE DISTRIBUTED THROUGHOUT THE AREA. THE SHRUBS WILL BE PLANTED RANDOMLY THROUGHOUT THE AREA IN CLUMPS OF TWO TO THREE WITH THE AVERAGE SPACING BETWEEN SHRUB CLUMPS APPROXIMATELY 5 FEET ON-CENTER. THE WOODY VEGETATION SHOULD NOT BE PLANTED IN ROWS.
9. THE PLANTED REPLICATION AREA WILL BE MULCHED WITH 1 TO 2 INCHES OF WEED FREE STRAW TO SIMULATE A FOREST FLOOR AND TO PROVIDE FOR TEMPORARY EROSION CONTROL AND MOISTURE RETENTION.
10. THE SIDE-SLOPES OF THE WETLAND REPLICATION AREA WILL BE SEEDED WITH A GRASS/WILDFLOWER MIXTURE DESIGNED TO PROVIDE PERMANENT COVER (NEW ENGLAND CONSERVATION/WILDLIFE MIX OR EQUAL). AFTER SEEDING, THE SIDE-SLOPES WILL BE MULCHED WITH A THIN LAYER OF STRAW TO PROVIDE FOR TEMPORARY EROSION CONTROL.
11. THE REPLICATION AREA ACCESS ROUTE WILL BE RESTORED FOLLOWING THE COMPLETION OF THE REPLICATION AREA.
12. THE REPLICATION AREA WILL BE INSPECTED, BY A QUALIFIED WETLAND SCIENTIST, AT THE END OF EACH GROWING SEASON FOR A MINIMUM OF TWO YEARS OR UNTIL SUCH TIME AS THE REQUIRED 75% OF VEGETATIVE COVER WITH WETLAND SPECIES HAS BEEN ESTABLISHED. WRITTEN RESULTS OF THESE INSPECTIONS WILL BE SUBMITTED TO THE CONSERVATION COMMISSION TWICE A YEAR BY JUNE 1 AND NOVEMBER 1 OF EACH YEAR.
13. IF INVASIVE SPECIES ARE NOTED (E.G., KNOTWEED, PHRAGMITES, ETC.) THESE SPECIES WILL BE REMOVED BY EITHER HAND-PULLING THE ENTIRE PLANT OUT BY THE ROOTS OR BY CUTTING THE ABOVE-GROUND PORTION AND APPLYING GLYPHOSATE HERBICIDE TO THE STEM WITH A DRIP APPLICATOR. THE CUT OR PULLED PLANTS WILL BE PROPERLY DISPOSED OF OUTSIDE THE WETLANDS AND BUFFER ZONES AND CARE WILL BE TAKEN NOT TO DISTRIBUTE ANY SEEDS OR BERRIES THAT MAY BE PRESENT.
14. AFTER THE WETLAND REPLICATION AREA HAS BECOME VEGETATIVELY STABILIZED, AND FOLLOWING APPROVAL OF THE ISSUING AUTHORITY, THE SILTATION FENCE AND ALL WOODEN STAKES WILL BE REMOVED AND DISPOSED OF PROPERLY.



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NOTICE OF INTENT PLAN SET
PROPOSED SINGLE FAMILY HOME
120 WHITE BIRCH STREET
PREPARED FOR
PAUL BLANCHARD
17 DALE STREET
ROCHDALE, MA 01542

DRAWN BY: IP
DATE: 5.23.23
CHK BY: PE
SCALE: 1"=5'
PROJ. NO. 151-2863

STREAM CROSSING
PLAN

SHEET 2 OF 3



B. READ, UNDERSTAND, AND COMPLY WITH ALL PERMIT REQUIREMENTS AND MAINTAIN A COPY OF APPLICABLE PERMITS ON SITE AT ALL TIMES.

PREPARED FOR
PAUL BLANCHARD
17 DALE STREET
ROCHDALE, MA 01542

SHEET **3** OF **3**