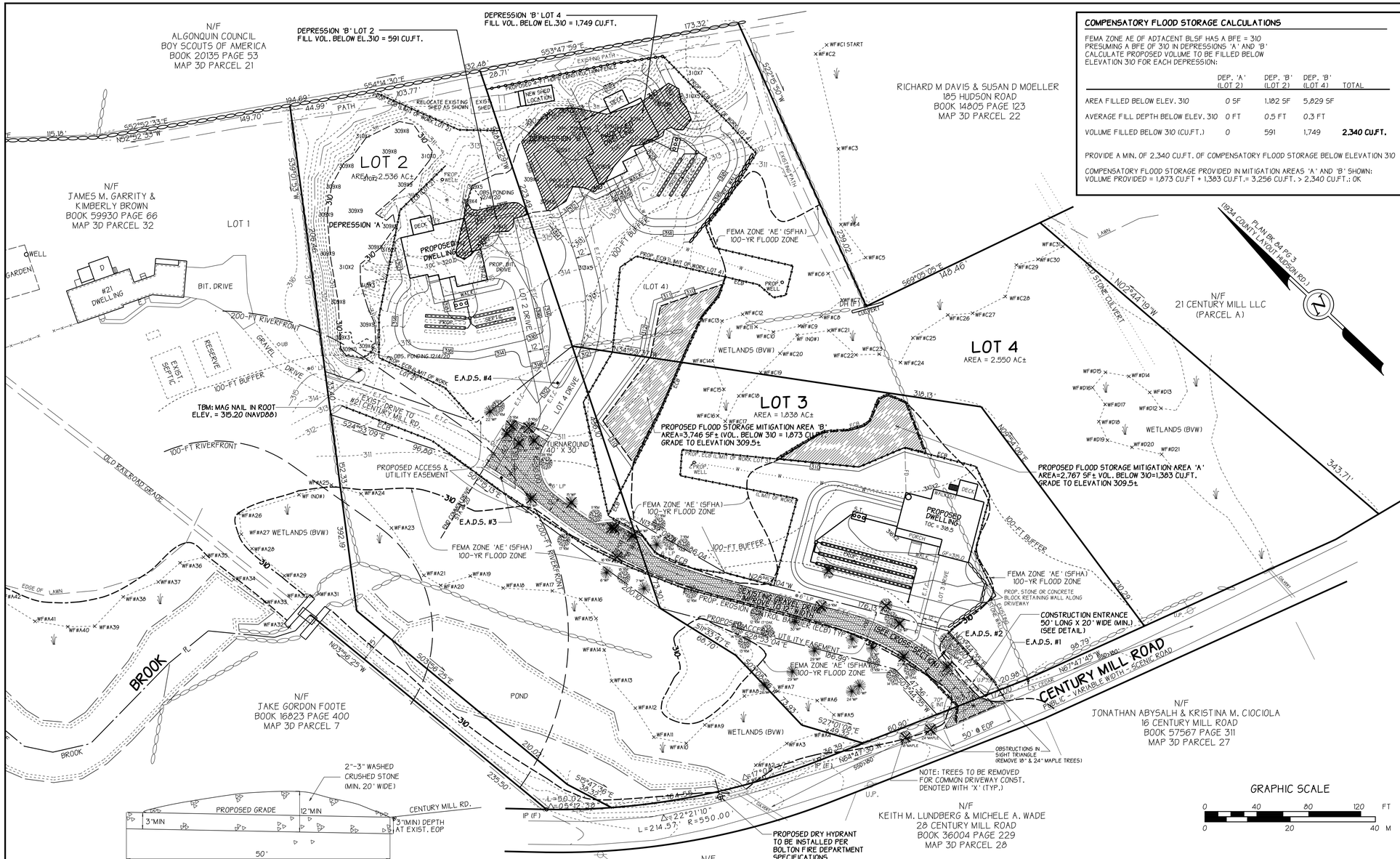


COMPENSATORY FLOOD STORAGE CALCULATIONS

FEMA ZONE AE OF ADJACENT BLSF HAS A BFE = 310
PRESUMING A BFE OF 310 IN DEPRESSIONS 'A' AND 'B'
CALCULATE PROPOSED VOLUME TO BE FILLED BELOW ELEVATION 310 FOR EACH DEPRESSION:

	DEP. 'A' (LOT 2)	DEP. 'B' (LOT 2)	DEP. 'B' (LOT 4)	TOTAL
AREA FILLED BELOW ELEV. 310	0 SF	1,182 SF	5,829 SF	
AVERAGE FILL DEPTH BELOW ELEV. 310	0 FT	0.5 FT	0.3 FT	
VOLUME FILLED BELOW 310 (CU.FT.)	0	591	1,749	**2,340 CU.FT.**

PROVIDE A MIN. OF 2,340 CU.FT. OF COMPENSATORY FLOOD STORAGE BELOW ELEVATION 310

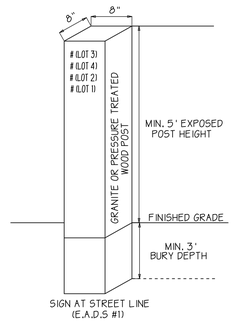
COMPENSATORY FLOOD STORAGE PROVIDED IN MITIGATION AREAS 'A' AND 'B' SHOWN:
VOLUME PROVIDED = 1,873 CU.FT + 1,383 CU.FT.= 3,256 CU.FT. > 2,340 CU.FT.: OK

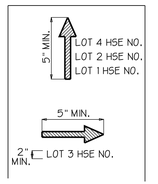
NOTES

1. COMMON DRIVEWAY SHOWN IS SUBJECT TO A MAINTENANCE AGREEMENT TO BE RECORDED AT THE W.D.R.D.
2. NO COMMON DRIVEWAYS OR APPROVED OR ACCEPTED PUBLIC WAYS EXIST ON THE SAME SIDE OF CENTURY MILL ROAD WITHIN 200 FEET OF THE PROPOSED COMMON DRIVEWAY CENTERLINE INTERSECTION WITH CENTURY MILL ROAD.
3. PORTIONS OF THE SITE ARE LOCATED WITHIN FEMA DESIGNATED FLOOD ZONE AE. FLOOD ZONES SHOWN ARE THE RESULT OF AN ON THE GROUND SURVEY REFERENCED TO FEMA SPECIFIED BASE FLOOD ELEVATION (ELEVATION = 310' NAVD88).
4. ALL ELEVATIONS REFER TO NAVD88 DATUM.

SEE SPECIAL PERMIT ISSUED BY BOLTON PLANNING BOARD DATED: _____

SEE COMMON DRIVEWAY MAINTENANCE AGREEMENT RECORDED AT W.D.R.D. IN BOOK_____PAGE _____





TYPICAL DRIVEWAY INTERSECTION SIGN MARKING

NOTE: SIGN LETTERING SHALL BE BLACK ON WHITE NON-REFLECTIVE BACKGROUND (E.A.D.S. #2 SHOWN ABOVE)

TYPICAL EMERGENCY ACCESS DIRECTION SIGN (E.A.D.S.)

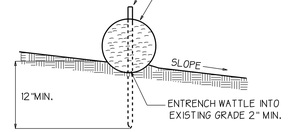
NOT TO SCALE

SIGNS TO DIRECT EMERGENCY RESPONSE VEHICLES MUST BE INSTALLED AT STREET LINE AND AT EACH DRIVEWAY INTERSECTION ALONG THE COMMON DRIVEWAY AT LOCATIONS SHOWN.

THE SIGN AT THE STREET LINE WILL DESIGNATE ALL ADDRESSES SERVED BY THE COMMON DRIVEWAY.

SIGNS AT EACH DRIVEWAY INTERSECTION SHALL INCLUDE ARROWS INDICATING GENERAL DIRECTION TO EACH DWELLING ALONG THE COMMON DRIVEWAY, AS SHOWN TYPICALLY ABOVE.

STREET NUMBERS FOR EACH LOT SERVED BY THE COMMON DRIVEWAY SHALL BE ASSIGNED BY THE BOLTON BUILDING INSPECTOR.

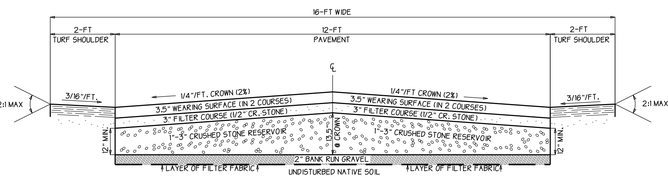


STAKED STRAW WATTLE EROSION CONTROL BARRIER

NOT TO SCALE

CRUSHED STONE CONSTRUCTION ENTRANCE

NOT TO SCALE



TYPICAL COMMON DRIVEWAY STRUCTURAL SECTION

NOT TO SCALE

ROADWAY STRUCTURAL SECTION

3.5" POROUS BITUMINOUS ASPHALT CONCRETE (2 COURSES)
2" PG 58-28 OR PG 64-22 BINDER COURSE
1.5" PG58-28 OR PG 64-22 TOP COURSE
(NO PAVING SHALL occur AFTER NOVEMBER 15 OR BEFORE APRIL 1 OF ANY YEAR)

3" FILTER COURSE 1/2" DOUBLE WASHED CRUSHED STONE

12" STONE RESERVOIR 1.5"-3.0" DOUBLE WASHED CRUSHED STONE

2" BANK RUN GRAVEL

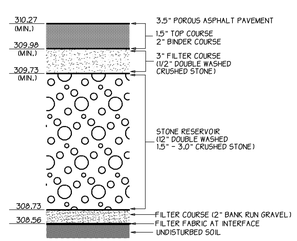
LAYER OF FILTER FABRIC

SHOULDERS (ALL OTHER AREAS)

4" COMPACTED GRANULAR FILL
4" COMPACTED DEPTH SCREENED LOAM & SEED WITH PERENNIAL TURF GRASS

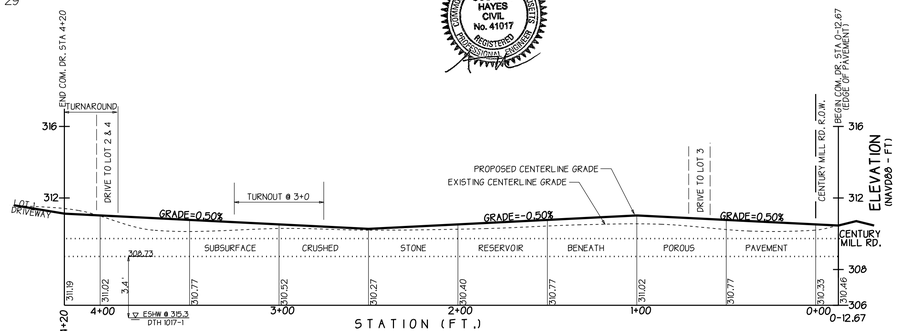
COMMON DRIVEWAY INSPECTIONS
REQUIRED BY PLANNING BOARD ENGINEER AND CONSTRUCTION PERIOD SITE ENGINEER FOLLOWING:

1. BOTTOM OF EXCAVATION TO NATIVE SOIL.
2. 2" BANK RUN GRAVEL IN PLACE.
3. 12" OF 1"-3" STONE RESERVOIR IN PLACE.
4. 3" FILTER COURSE IN PLACE PRIOR TO BINDER.
5. PLACEMENT OF BINDER COURSE OF PAVEMENT.



POROUS ASPHALT PAVEMENT SECTION

NOT TO SCALE



COMMON DRIVEWAY PROFILE

HORIZONTAL SCALE: 1"=40'
VERTICAL SCALE: 1"=4'

COMMONWEALTH OF MASSACHUSETTS
SCOTT P. HAYES
CIVIL
No. 41017
REGISTERED PROFESSIONAL ENGINEER

COMMON DRIVEWAY PLAN & PROFILE

LOTS 1-4 CENTURY MILL ROAD

BOLTON, MASSACHUSETTS
ASSESSORS MAP 3D PARCEL 75

PREPARED FOR:

21 CENTURY MILL LLC
291 MAIN STREET SUITE 8
NORTHBOROUGH, MA 01532

REV. 11/24/20 - BLSF RESTORATION AREA; 1/9/21 FLOOD STORAGE; ECB LOT 2

DATE: AUGUST 11, 2020 | SCALE: 1 INCH = 40 FEET

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