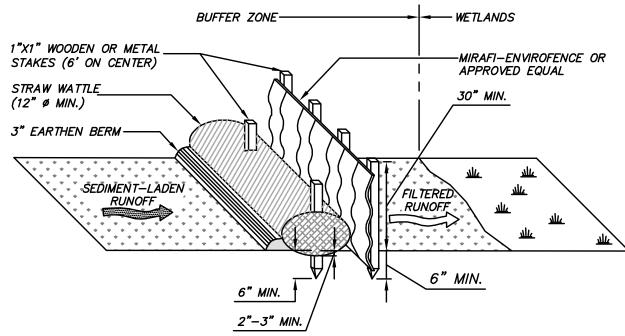
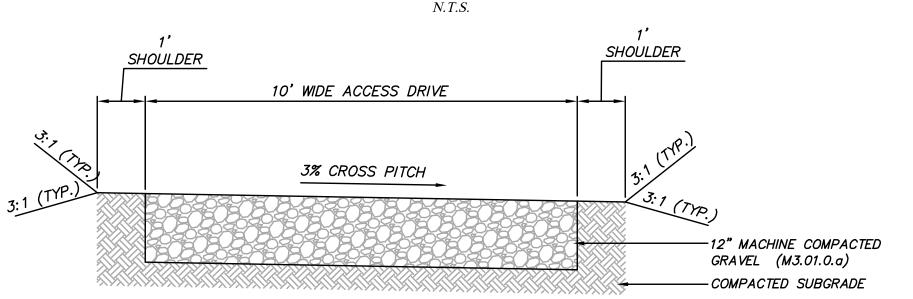


-) THIS PLAN WAS PREPARED FROM AN ACTUAL ON THE GROUND INSTRUMENT FIELD SURVEY PERFORMED BY GRAZ ENGINEERING, L.L.C IN DECEMBER 2016 & JUNE 2017
- ?) THE HORIZONTAL AND VERTICAL DATUMS WERE ESTABLISHED BY NETWORK—RTK GNSS GPS PERFORMED AT THE SITE.
- HORIZONTAL DATUM & BEARING BASIS = MASSACHUSETTS MAINLAND GRID (NAD83)
- THE WETLANDS WERE DELINATED BY ECOTEC, INC. ON NOVEMBER 4, 2016 AND WITH FIELD SURVEY LOCATION PERFORMED BY GRAZ ENGINEERING, LLC DURING THE
-) THE LOCATION OF ALL UNDERGROUND UTILITIES SHOWN HEREON, ARE APPROXIMATE AND ARE BASED ON THE FIELD LOCATION OF THE OBSERVABLE STRUCTURES SUCH
- AS UITILITY POLES, CATCH BASINS, MANHOLES, WATER GATES, ETC. AND THE COMPILATION OF INFORMATION OBTAINED FROM VARIOUS UTILITY COMPANIES, AND GOVERNMENT AGENCIES. THE ENGINEER DOES NOT GUARANTEE THAT ALL UTILITIES AND SUB-SURFACE STRUCTURES ARE SHOWN. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IF ANY DISCREPANCIES ARE OBSERVED BETWEEN THE EXISTING CONDITIONS DEPICTED HEREON AND THE ACTUAL CONDITIONS.
- IN ACCORDANCE WITH CHAPTER 82, SECTION 40, INCLUDING AMENDMENTS, ALL CONTRACTORS SHALL NOTIFY IN WRITING ALL UTILITY COMPANIES AND GOVERNMENT AGENCIES PRIOR TO ANY EXCAVATION WORK AND CALL DIG-SAFE AT 1-888-344-7233 72 HOURS BEFORE ANY EXCAVATION.
-) AS DEPICTED HEREON, A PORTION OF THE SITE LIES WITHIN ZONE A OF THE FLOOD HAZARD AREA (1% CHANCE) AS SET FORTH ON THE NATIONAL FLOOD INSURANCE RATE MAP (FIRM) 25027C0780E, WHICH BEARS AN EFFECTIVE DATE OF JULY 4, 2011.
- PRIOR TO THE START OF ANY CONSTRUCTION, ALL SEDIMENTATION AND EROSION CONTROL MEASURES SHALL BE INSTALLED AS DEPICTED HEREON. THE CONTRACTOR SHALL INSPECT THE BARRIERS AT LEAST WEEKLY AND AFTER SIGNIFICANT (0.5 INCH OR GREATER) PRECIPITATION EVENTS. THE CONTRACTOR SHALL MAINTAIN AND REPAIR THE BARRIERS, INCLUDING THE REMOVAL OF ACCUMULATED SEDIMENTS, UNTIL ALL WORK IS COMPLETED AND ALL AREAS HAVE BEEN STABILIZED.
- AS MAY BE NECESSARY TO ENSURE PROTECTION OF ALL WETLAND RESOURCES. THE CONTRACTOR SHALL REVIEW AND COMPLY WITH ALL REQUIREMENTS OF THE PROJECT "ORDER OF CONDITIONS" AS ISSUED BY THE TOWN CONSERVATION COMMISSION ALL DISTURBED NON—PAVED AREAS SHALL BE STABILIZED BY LOAMING, SEEDING, AND MULCHING OR SHALL BE RIPRAPPED AS SOON AS POSSIBLE AFTER THE FINAL
- GROWING SEASON, THESE AREAS SHALL BE STABILIZED WITH MULCHED WITH HAY SECURED BY WEIGHTED SNOW FENCE, CHICKEN WIRE MESH, OR JUTE NETTING WITH STAPLES. WHERE PRACTICAL DURING CONSTRUCTION, DISTURBED AREAS SHALL BE STABILIZED BY TEMPORARILY SEEDING OR MULCHING. ALL NON—PAVED AND NON—BEACH AREAS SHALL BE DRESSED WITH A MINIMUM OF FOUR INCHES (4") OF SCREENED LOAM AND SHALL BE SEEDED WITH AN
-) ALL SLOPES EXCEEDING 3:1 SHALL BE LINED WITH EXCELSIOR GEOTEXTILE FABRIC OR EQUAL.
- THE STABILIZED CONSTRUCTION ENTRANCE/EXITS SHALL BE A MINIMUM OF ±40' LONG BY 15' WIDE BY 12" THICK AND CONSTRUCTED OF 3-6" CRUSHED STONE
- OVER MIRAFI 140N FILTER FABRIC. THE STABILIZED CONSTRUCTION ENTRANCES MUST BE CONSTRUCTED PRIOR TO SITE CLEARING AND GRUBBING AND MUST BE ASSESSORS PARCEL NO.: MAP U30, PARCEL 1 MAINTAINED UNTIL THE INSTALLATION OF THE BITUMINOUS BINDER DRIVEWAY.
- DEWATERING OPERATIONS, IF REQUIRED SHALL DISCHARGE ONTO STABILIZED AREAS AND ALL DISCHARGE WATER IS TO PASS THROUGH SEDIMENTATION CONTROL DEVICES TO PREVENT IMPACTS UPON THE WATERSHED AND WETLAND RESOURCES, DRAINAGE SYSTEMS, AND ABUTTING PROPERTIES.
- ALL ACCUMULATED AND TRAPPED SEDIMENT SHALL BE REMOVED AND DISPOSED OF AS REQUIRED BY THE CONSERVATION COMMISSION. 10) ALL SEDIMENTATION AND EROSION CONTROL MEASURES SHALL BE REMOVED IN THEIR ENTIRETY AFTER FINAL SITE STABILIZATION AND ISSUANCE OF THE FINAL
- CERITIFCATE OF COMPLIANCE BY THE CONSERVATION COMMISSION.
- THE FLOATING OIL ABSORBENT BOOM SHALL BE INSTALLED AS DEPICTED ON THE PLAN BEING SECURED TO THE BANK A MINIMUM OF 20—FEET ON EITHER SIDE OF THE PROPOSED SITE WORK. OIL ABSORBENT TOWELS MUST BE ON SITE WHENEVER HYDRAULIC EQUIPMENT IS ANYWHERE ON SITE.
-) THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT THE EXISTING UTILITIES AND MAINTAIN UNINTERRUPTED SERVICES. ANY DAMAGE TO THE EXISTING UTILITIES BY THE CONTRACTOR'S OPERATION SHALL BE IMMEDIATELY AND COMPLETELY REPAIRED AT THE CONTRACTOR'S EXPENSE.
- 2) THE CONTRACTOR SHALL CONSTRUCT AND SMOOTHLY BLEND THE GRAVEL ACCESS DRIVE TO THE EXISTING SOUTHERLY EDGE OF PINE STREET PAVEMENT.
-) ALL EXISTING MATERIALS TO BE REMOVED SHALL BE REMOVED IN THEIR ENTIRETY AND DISPOSED OF LEGALLY OFF SITE UNLESS NOTED OTHERWISE.
- THROUGHOUT CONSTRUCTION. REVIEW THE ACTUAL LIMITS OF CLEARING WITH THE OWNER, AND SELECTIVELY CLEAR AND PRUNE AS REQUIRED TO REMOVE DEAD, DISEASED, OR POORLY FORMED VEGETATION.
-) THE CONTRACTOR SHALL COORDINATE THE PROPOSED ACCESS DRIVE CURB CUT WITH THE HIGHWAY DEPARMENT SUPERINTENDENT AND COMPLY WITH THE TOWN DPW
- ?) THE CONTRACTOR SHALL KEEP ANY CONSTRUCTION STOCKPILES DUE TO SITE EXCAVATION AND REGRADING AS FAR AWAY FROM THE WETLANDS AS POSSIBLE.
- AREAS AND STOCKPILES SHALL BE PROTECTED FROM EROSION WITH A TOED-IN SILTFENCE AT THE BASE AND/OR BY COVERING WITH TARPS. ALL SITE CONSTRUCTION SLOPES SHALL BE STABILIZED UPON COMPLETION. SLOPES OF 3:1 (HORIZONTAL: VERTICAL) OR GREATER WILL BE STABILIZED WITH TOPSOIL, SEED AND STRAW MULCH COVERED WITH ANCHORED JUTE NETTING, ANCHORED EROSION CONTROL BLANKETS OR SIMILAR. SLOPES OF LESS THAN 3:1 WILL BE STABILIZED WITH TOPSOIL AND TACKIFIED HYDROSEED WITH MULCH OR SIMILAR. ALL SLOPES WITHIN THE 100 FOOT BUFFER ZONE SHALL BE TEMPORARILY OR PERMANENTLY STABILIZED WITHIN 30 DAYS OF THE END OF CONSTRUCTION ACTIVITIES.



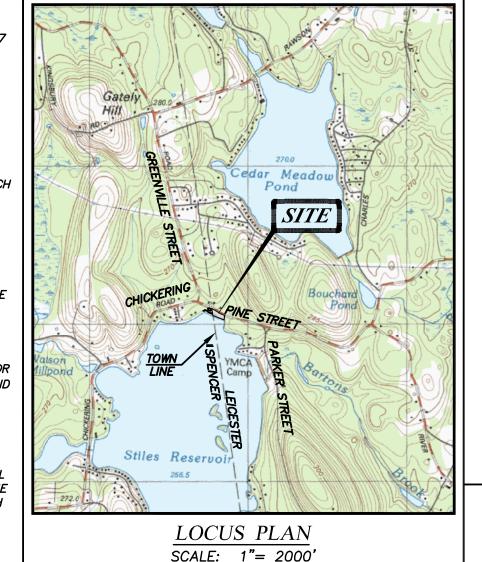
STRAW WATTLE:

- 1) SHEATHING FOR STRAW WATTLES SHALL BE 100% BIODGRADABLE AND WITHOUT FIXED DIAMETER OPENINGS.
- 2) WATTLES SHALL BE AS THE SOLE EROSION CONTROL BARRIER AT ALL LOCATIONS WITH UPGRADIENT SLOPES OF LESS THAN 10%.
- 3) DIG A TRENCH 2"-3" DEEP X 9" WIDE WHERE WATTLES ARE TO BE INSTALLED.
- 4) SEAT WATTLE FIRMLY INTO TRENCH AND STAKE WITH WOODEN STAKES AT 6' O.C. MINIMUM. 5) FOOT TAMP THE EXCAVATED SOIL ALONG THE ENTIRE UPSLOPE SIDE THE WATTLES TO PREVENT DRAINAGE
 - SILT FENCE & STRAW WATTLES EROSION CONTROL BARRIER DETAIL



ALL UNSUITABLE SUBGRADE & MATERIALS WITHIN PROPOSED DRIVE CROSS-SECTION SHALL BE REMOVED

ACCESS & STORM WATER BASIN BERM DRIVE CROSS-SECTION



SPENCER PROPERTY DATA

LOT ADDRESS: 102 CHICKERING ROAD

OWNER OF RECORD: JAMES & ANNE McLOUGHLIN LOCUS DEED: BOOK 59537, PAGE 75

LOCUS PLAN: PLAN BOOK 926, PLAN 18 - LOT A-2

ZONING DISTRICT: LAKE RESIDENTIAL (LR)

		<u>REQUIRED</u>	<u>PROVIDED</u>	
	AREA	22,500 SF	±19,762 SF*	
Ε	FRONTAGE	100'	199.28' (CHICKERING RD.)	
_	WIDTH	<i>50</i> '	N/A*	
	FRONT YARD	15 '	<i>16</i> '	
	SIDE YARD	10'	91.2'	
	REAR YARD	10'	<i>41.3</i> ′	
	BLDG. COVERAGE	25%	3.6%	

EXISTING NON—CONFORMING LOT

LOCUS DEED:

LEICESTER PROPERTY DATA

ASSESSORS PARCEL NO.: MAP 41, PARCEL C2.3

LOT ADDRESS: PINE STREET JAMES & ANNE McLOUGHLIN

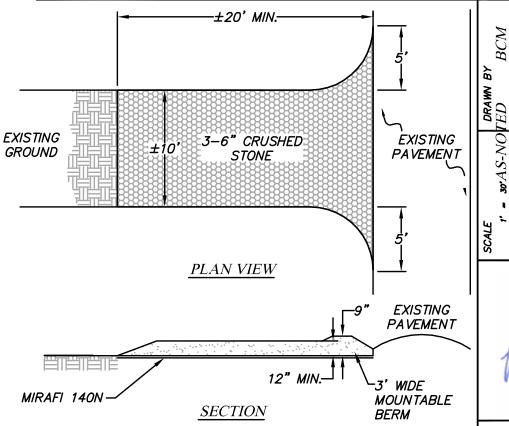
LOCUS PLAN: PLAN BOOK 926, PLAN 18 - LOT A-2

BOOK 59537, PAGE 75

	<u>REQUIRED</u>	<u>PROVIDED</u>
AREA	80,000 SF	±21,338 SF
FRONTAGE	200'	298.95' (PINE ST.)
WIDTH	200'	N/A
FRONT YARD	40'	N/A
SIDE YARD	<i>40'</i>	N/A
REAR YARD	40'	N/A
BLDG. COVERAGE	30%	N/A

LEGEND & ABBREVIATIONS

.00000000000000000000000000000000000000	STONEWALL
⊕ _{TBM}	TEMPORARY BENCH MARK
———495———	EXISTING CONTOUR
——495	PROPOSED CONTOUR
BIR	BIRCH
MAP	MAPLE
OAK	OAK
+495.0	PROPOSED SPOT ELEVATION
(150/8)	ASSESSORS MAP & PARCEL



STABILIZED CONSTRUCTION ENTRANCE

SHEET 1 OF 1