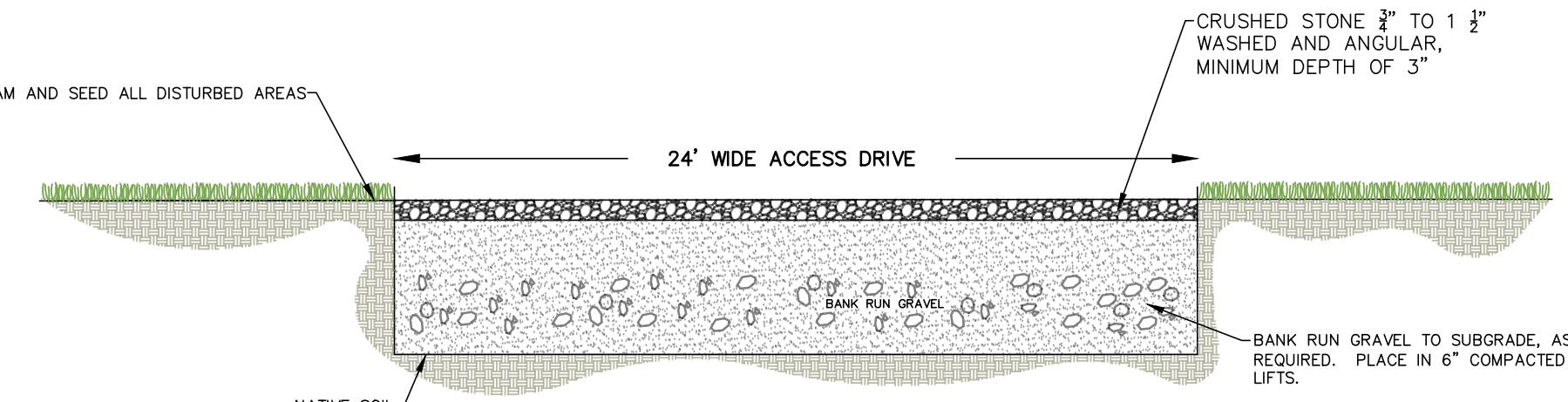
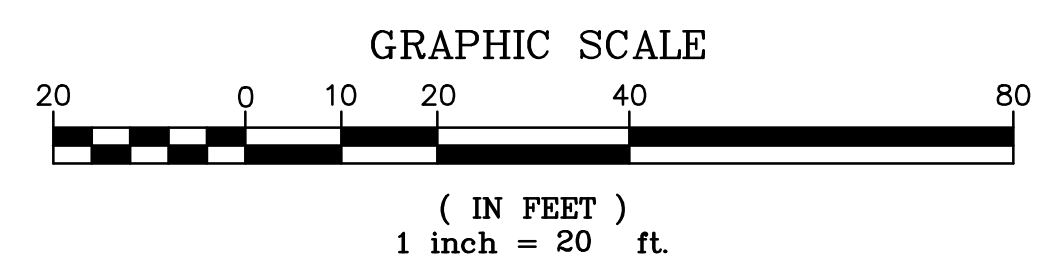
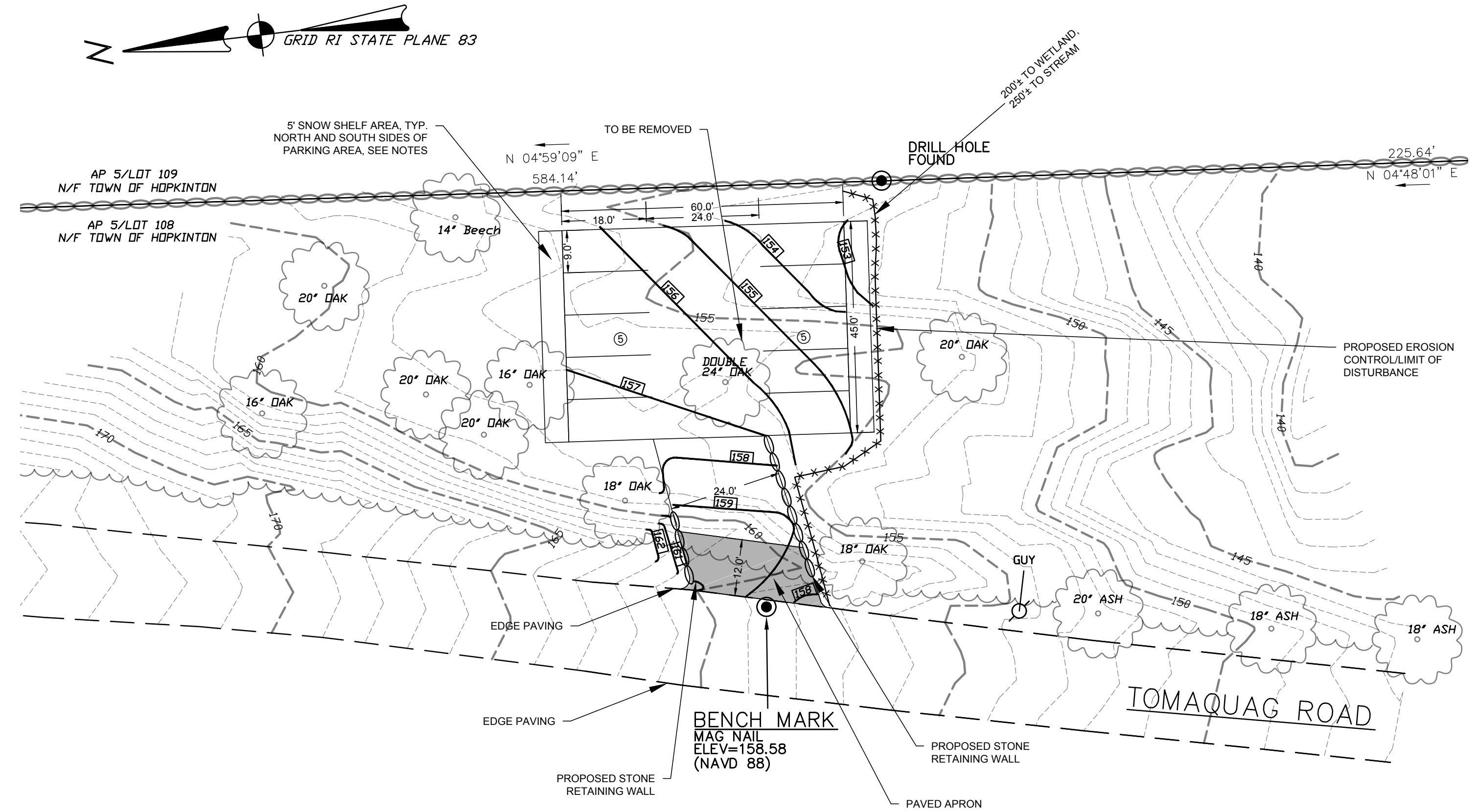




Location Map

**LEGEND**

	EDGE OF WOODS
	CHAIN LINK FENCE
	STOCKADE FENCE
	WATER MAIN
	GAS MAIN
	ELECTRIC
	SEWER MAIN
	STONE WALL
	EXISTING CONTOUR
	EDGE OF PAVEMENT
	UTILITY POLE
	DRAINAGE MANHOLE
	CATCHBASIN
	SANITARY SEWER MANHOLE
	HYDRANT
	GATE VALVE
	LIGHT POLE
	CONCRETE
	PARKING SPACES
	PROPOSED CONTOURS



CROSS SECTION GRAVEL ACCESS ROAD DETAIL  
NOT TO SCALE

**ACCESS DRIVE/PARKING AREA NOTES:**

- THIS IS A TYPICAL SECTION. REFER TO PLANS FOR GRADING AND LOCATION. DRIVE/PARKING AREA SHALL NOT BE HIGHER THAN ADJACENT GROUND. RE-GRADING IS PROPOSED BASED ON PROPOSED CONTOURS AS SHOWN ON THE PLAN.
- CRUSHED STONE SHALL MEET SPECIFICATIONS SHOWN HEREIN. TESTING RESULTS SHALL BE SUBMITTED TO DOCUMENT THE GRADATION.
- SITE PREPARATIONS SHALL INCLUDE CLEARING, GRUBBING, AND EXCAVATION TO DESIGN SUBGRADE ELEVATION, STRIPPING TOPSOILS, DELETERIOUS DEBRIS, AND UNSUITABLE MATERIAL FROM THE SITE. ADD BANK RUN GRAVEL COMPACTED IN 6" LIFTS TO THE DESIGN SUBGRADE AS NECESSARY. A DEPTH OF 18" OF BANK RUN GRAVEL IS REQUIRED UNLESS DETERMINED OTHERWISE BY THE HOPKINTON LAND TRUST.
- ALL UNSUITABLES, TREES, STUMPS, LIMBS, ROOTS, TOPSOIL, AND ORGANICS SHALL BE REMOVED FOR SUITABLE DISPOSAL OFF-SITE.
- THE HOPKINTON LAND TRUST SHALL PURCHASE GRAVEL AND STONE DIRECTLY. CONTRACTOR SHALL COORDINATE AND SCHEDULE RECEIPT OF MATERIALS.
- DRIVE AND PARKING AREAS SHALL BE EXCAVATED TO REMOVE TOPSOIL AND UNSUITABLES.
- AREA OF PARKING AND DRIVEWAY WITHIN LIMIT OF DISTURBANCE IS APPROXIMATELY 4,800± S.F.
- LOCATION OF EXISTING UTILITIES IN OR NEAR THE PARKING AREA/DRIVE IS UNKNOWN. VERIFY LOCATIONS PRIOR TO CONSTRUCTION. CALL DIGSAFE AS REQUIRED.

**GRAVEL SPECIFICATIONS:**

THE GRAVEL BASE MATERIAL SHALL CONSIST OF CLEAN SAND AND GRAVEL FREE FROM ORGANIC MATTER AND FOREIGN SUBSTANCES. THE GRAVEL SHALL NOT CONTAIN ANY MATERIAL LARGER THAN 3 INCHES AND UP TO 10% MAY BE SIZED BETWEEN 3/4" AND 3". THE GRAVEL SHALL MEET THE FOLLOWING CRITERIA:

SIEVE SIZE	PERCENT PASSING
3/4"	100%
#4	55% - 100%
#10	40% - 100%
#40	10% - 50%
#100	0% - 20%
#200	0% - 5%

GRAVEL SHALL BE PLACED IN SHALLOW LIFTS (6") AND PROPERLY COMPACTED. THE SURFACE OF THE GRAVEL SHALL BE LEVEL AND SCARIFIED.

**GENERAL:**

THE CONTRACTOR IS REQUIRED TO MAINTAIN THE CONSTRUCTION AREA IN A SAFE MANNER AND ALL CONSTRUCTION ACTIVITY ON THE SITE IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS.

THERE IS A STREAM MORE THAN 10' IN WIDTH AND ASSOCIATED 200' RIVERBANK TO THE SOUTHEAST OF THE PROPOSED PARKING. NO WETLANDS DELINEATION WAS CONDUCTED BY THE ENGINEER. EXISTING TOWN GIS DATA WAS USED TO DETERMINE THE APPROXIMATE DISTANCE TO THE WETLAND/STREAM.

SITE PLAN IS FOR USE BY THE HOPKINTON LAND TRUST FOR PERMITTING, BIDDING AND CONSTRUCTION PURPOSES.

THE PROPOSED WORK DEPICTED HEREON APPEARS WITHIN ZONE X, AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN BASED ON FEMA FLOOD INSURANCE RATE MAP 44090C0142H REVISED DATE OCTOBER 19, 2010.

**PLAN NOTES:**

- REFERENCE IS MADE TO CLASS 1 BOUNDARY SURVEY PREPARED FOR THE HOPKINTON LAND TRUST BY DESIGN PROFESSIONALS, 21 JEFFREY DRIVE, PO BOX 1167, SOUTH WINDSOR, CT 06074, DATED NOVEMBER 15, 2017, REVISED APRIL 19, 2018.
- REFERENCE IS MADE TO TOPOGRAPHY SURVEY PREPARED FOR THE HOPKINTON LAND TRUST BY CHRISTOPHER G. PALMER, PLS, 66 FALCON RIDGE DRIVE, EXETER, RI 02882, DATED JUNE 27, 2019.

**UTILITIES:**

THE LOCATION OF EXISTING UTILITIES SHOWN ON THIS PLAN ARE APPROXIMATE ONLY AND HAVE BEEN SHOWN USING THE BEST AVAILABLE DATA. THE CONTRACTOR SHALL CONTACT "DIG-SAFE" AND/OR OTHER APPROPRIATE UTILITY COMPANIES TO ASCERTAIN THE EXACT LOCATION OF THE RESPECTIVE UTILITIES PRIOR TO CONSTRUCTION. UTILITIES INCLUDE BUT ARE NOT LIMITED TO GAS, ELECTRIC, WATER, TELEPHONE CABLE TV, ETC.

**SNOW SHELF AREAS:**

THE 5' STRIP TO THE NORTH AND SOUTH OF THE PARKING LOT SHALL HAVE UNSUITABLES REMOVED, PERMEABLE LANDSCAPE CLOTH PLACED AND TOPED WITH 3" OF CRUSED STONE.

**PAVED APRON:**

THE PAVED DRIVEWAY ENTRANCE SHALL BE A MINIMUM OF 12' IN LENGTH AND 24' WIDE. THE HOPKINTON LAND TRUST SHALL ELECT TO INSTALL A LONGER PAVED APRON, REFER TO BIDDING INSTRUCTIONS.

**STONE RETAINING WALLS:**

THE STONE RETAINING WALLS SHOWN SHALL BE DRY LAID FIELD STONE TO THE HEIGHTS REQUIRED. PLACE FILTER FABRIC BETWEEN FIELD STONE AND EARTH BACKFILL.

**EROSION AND SEDIMENTATION CONTROL NOTES:**

TEMPORARY AND/OR PERMANENT EROSION CONTROL DEVICES SUCH AS BALED HAY, SILT FENCING, ETC. SHALL BE INSTALLED PRIOR TO ANY CLEARING OR EXCAVATION. HAY BALES OR SILT FENCING SHALL BE PLACED IMMEDIATELY DOWN SLOPE AND ADJOINING AREAS OF SOIL DISTURBANCE AND STOCKPILES. INSTALLATION OF ALL EROSION CONTROL DEVICES SHALL BE CONDUCTED IN ACCORDANCE TO DETAIL SPECIFICATIONS.

CLEARING OF EXISTING VEGETATION SHALL BE DONE IN A CONTROLLED MANNER SO AS TO AVOID EXTENSIVE AREAS OF DEFOLIATED TERRAIN SUBJECT TO EROSION. AREAS SO DISTURBED SHALL BE BROUGHT TO FINAL GRADES AND STABILIZED AS SOON AS POSSIBLE.

DURING CONSTRUCTION THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING DRAINAGE AND RUNOFF FLOW DURING STORMS AND PERIODS OF RAINFALL.

ALL EROSION CONTROL DEVICES SHALL BE INSPECTED AND MAINTAINED ON A REGULAR BASIS DURING CONSTRUCTION, ESPECIALLY AFTER EACH RAINFALL.

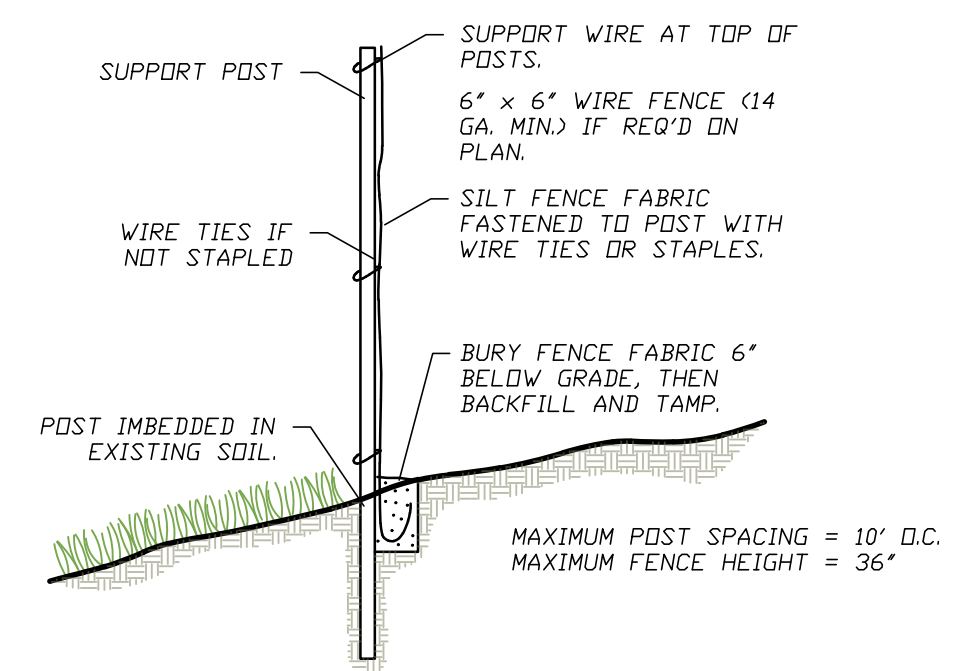
DUE TO CHANGING CHARACTERISTICS OF THE SITE CAUSED BY AND DURING CONSTRUCTION ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED AS SITE CONDITIONS WARRANT.

IF CONSTRUCTION IS SUSPENDED, ALL DISTURBED AREAS SHALL BE SEEDED AND LOAM AND SEED ALL DISTURBED AREAS SHALL BE BROUGHT TO FINISHED GRADE WITH AT LEAST 6" MINIMUM DEPTH OF GOOD QUALITY LOAM AND ALL SOIL AMENDMENTS DEEMED NECESSARY. THE AREA SHALL BE SEEDED WITH A QUICK GERMINATING GRASS SEED SUCH AS URI #2 OR APPROVED EQUIVALENT.

ALL EROSION CONTROL METHODS, MATERIALS AND MAINTENANCE SHALL BE DONE IN ACCORDANCE WITH THE "RHODE ISLAND SOIL EROSION AND SEDIMENT CONTROL HANDBOOK".

ALL AREAS WHICH ARE DISTURBED DURING CONSTRUCTION ARE TO BE BROUGHT TO FINISHED GRADE WITH AT LEAST 6" MINIMUM DEPTH OF GOOD QUALITY LOAM AND ALL SOIL AMENDMENTS DEEMED NECESSARY. THE AREA SHALL BE SEEDED WITH A QUICK GERMINATING GRASS SEED SUCH AS URI #2 OR APPROVED EQUIVALENT.

THE CONTRACTOR SHALL PROVIDE FOR ALL SEEDED AREAS TO BE WATERED AND IN GOOD CONDITION UNTIL A GOOD HEALTHY AND UNIFORM GROWTH IS ESTABLISHED OVER THE ENTIRE AREA.



SILT FENCE DETAIL  
NOT TO SCALE

NOTE: STRAW WATTLES MAY BE USED FOR EROSION CONTROL AT THE DISCRETION OF THE HOPKINTON LAND TRUST. INSTALLATION OF STRAW WATTLES SHALL BE PER MANUFACTURER'S RECOMMENDATION.

**CJ DOYLE, P.E.**  
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 PHONE (401) 491-9530  
 cjoengine@cox.net

NO.	DATE	DESCRIPTION	BY

DRAWING TITLED:  
**PROPOSED PARKING PLAN**  
**CROWN FARM PRESERVE**

LOCATED ON:  
**LOTS 108 & 109 PLAT 5**  
 OWNED BY:  
**HOPKINTON LAND TRUST**  
 ADDRESS:  
**TOMAQUAG ROAD**  
**IN THE TOWN OF HOPKINTON, RI**

**AUGUST 30, 2019**  
 DESIGNED BY:  
**CAROLYN J. DOYLE, P.E.**  
 DRAWN BY:  
**CJD**  
 CHECKED BY:  
**CJD**  
 DRAWING NO.  
**SHEET 1 OF 1**

**CAROLYN J. DOYLE 2019**

**CAROLYN J. DOYLE**  
 No. 5078  
 REGISTERED PROFESSIONAL ENGINEER