

Installation, maintenance and inspection procedures for erosion and sediment control measures:

A. GENERAL

THESE ARE THE GENERAL INSPECTION AND MAINTENANCE PRACTICES THAT WILL BE USED TO IMPLEMENT THE PLAN.

1. THE SMALLEST PRACTICAL PORTION OF THE SITE WILL BE DENUDED AT ONE TIME.
2. ALL CONTROL MEASURES WILL BE INSPECTED AT LEAST ONCE EACH WEEK AND FOLLOWING ANY STORM EVENT OF 0.5 INCHES OR GREATER.
3. ALL MEASURES WILL BE MAINTAINED IN GOOD WORKING ORDER; IF A REPAIR IS NECESSARY, IT WILL BE INITIATED WITHIN 24 HOURS.
4. BUILT UP SEDIMENT WILL BE REMOVED FROM SILT FENCE OR HAY BALE BARRIERS WHEN IT HAS REACHED ONE THIRD THE HEIGHT OF THE FENCE OR BALE, OR WHEN "BULGES" OCCUR.
5. ALL DIVERSION DIKES WILL BE INSPECTED AND ANY BREACHES PROMPTLY REPAIRED.
6. TEMPORARY SEEDING AND PLANTING WILL BE INSPECTED FOR BARE SPOTS, WASHOUTS, AND UNHEALTHY GROWTH.
7. A MAINTENANCE INSPECTION REPORT WILL BE MADE AFTER EACH INSPECTION.
8. THE CONTRACTOR'S SITE SUPERINTENDENT WILL BE RESPONSIBLE FOR INSPECTIONS, MAINTENANCE AND REPAIR ACTIVITIES, AND FILLING OUT THE INSPECTION AND MAINTENANCE REPORT.
9. THE OWNER'S AUTHORIZED ENGINEER SHALL INSPECT THE SITE ON A PERIODIC BASIS TO ASSURE COMPLIANCE WITH THE PLANS.

B. FILTERS

1. SILT FENCE
 - A. SYNTHETIC FILTER FABRIC SHALL BE A PERVIOUS SHEET OF PROPYLENE, NYLON, POLYESTER OR ETHYLENE YARN AND SHALL BE CERTIFIED BY THE MANUFACTURER OR SUPPLIER AS CONFORMING TO THE FOLLOWING REQUIREMENTS:

SILT FENCE PROPERTIES		
PHYSICAL PROPERTY	TEST	REQUIREMENTS
GRAB TENSILE	ASTM-D-4632	95/80 LB
PUNCTURE	ASTM-D-4833	45 LB
FLOW RATE	ASTM-D-4491	5 GAL/MIN/SF
UV RESISTANCE	ASTM D-4751	80%
GRAB ELONGATION	ASTM D-4632	20/25%

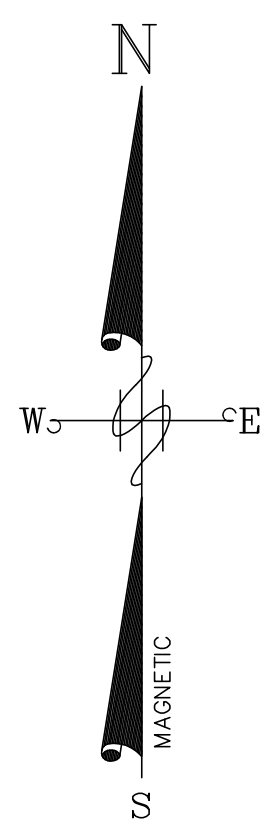
- POSTS SHALL BE SPACED A MAXIMUM OF TEN (10) FEET APART AT THE BARRIER LOCATION OR AS RECOMMENDED BY THE MANUFACTURER AND DRIVEN SECURELY INTO THE GROUND (MINIMUM OF 16 INCHES).
- A TRENCH SHALL BE EXCAVATED APPROXIMATELY SIX (6) INCHES WIDE AND SIX (6) INCHES DEEP ALONG THE LINE OF POSTS AND UPSLOPE FROM THE BARRIER.
- WHEN STANDARD STRENGTH FILTER FABRIC IS USED, A WIRE MESH SUPPORT FENCE SHALL BE FASTENED SECURELY TO THE UPSLOPE SIDE OF THE POSTS USING HEAVY DUTY WIRE STAPLES AT LEAST ONE (1) INCH LONG, TIE WIRES OR HOG RINGS. THE WIRE SHALL EXTEND NO MORE THAN 36 INCHES ABOVE THE ORIGINAL GROUND SURFACES.
- THE "STANDARD STRENGTH" FILTER FABRIC SHALL BE STAPLED OR WIRED TO THE FENCE, AND SIX (6) INCHES OF THE FABRIC SHALL BE EXTENDED INTO THE TRENCH. THE FABRIC SHALL NOT EXTEND MORE THAN 36 INCHES ABOVE THE ORIGINAL GROUND SURFACE. FILTER FABRIC SHALL NOT BE STAPLED TO EXISTING TREES.
- WHEN EXTRA STRENGTH FILTER FABRIC AND CLOSER POST SPACING ARE USED, THE WIRE MESH SUPPORT FENCE MAY BE ELIMINATED. IN SUCH A CASE, THE FILTER FABRIC IS STAPLED OR WIRED DIRECTLY TO THE POSTS WITH ALL OTHER PROVISIONS OF ITEM (C) APPLYING.
- THE TRENCH SHALL BE BACKFILLED AND THE SOIL COMPACTED OVER THE FILTER FABRIC.
- SILT FENCES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFUL PURPOSE BUT NOT BEFORE THE UPSLOPE AREAS HAVE BEEN PERMANENTLY STABILIZED.

2. SEQUENCE OF INSTALLATION

SEDIMENT BARRIERS SHALL BE INSTALLED PRIOR TO ANY SOIL DISTURBANCE OF THE CONTRIBUTING DRAINAGE UPSLOPE OF THEM.

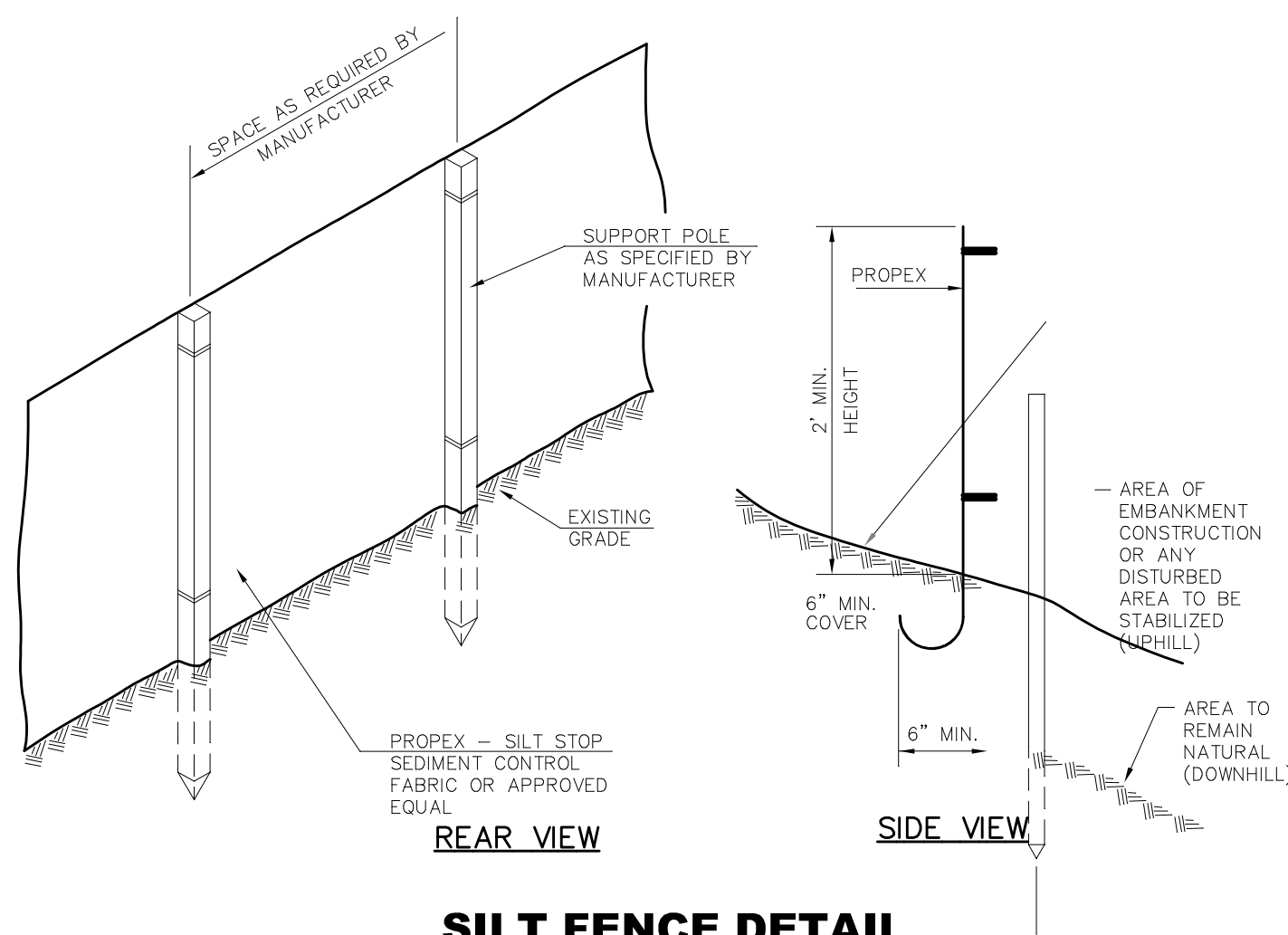
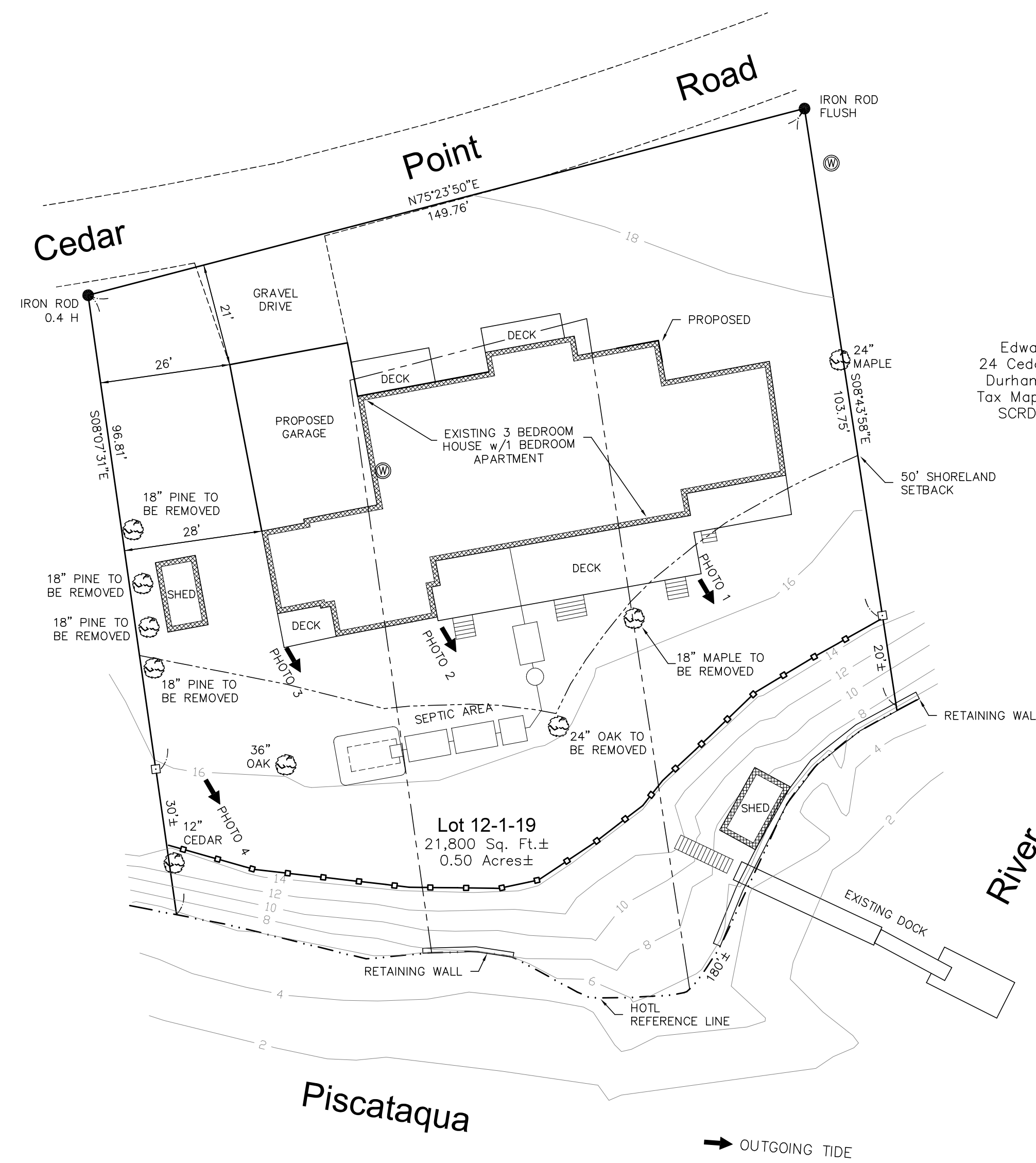
3. MAINTENANCE

- SILT FENCE BARRIERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. THEY SHALL BE REPAIRED IF THERE ARE ANY SIGNS OF EROSION OR SEDIMENTATION BELOW THEM. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY. IF THERE ARE SIGNS OF UNDERCUTTING AT THE CENTER OR THE EDGES, OR IMPOUNDING OF LARGE VOLUMES OF WATER, THE SEDIMENT BARRIERS SHALL BE REPLACED WITH A TEMPORARY CHECK DAM.
- SHOULD THE FABRIC ON A SILT FENCE FILTER BARRIER DECOMPOSE OR BECOME INEFFECTIVE PRIOR TO THE END OF THE EXPECTED USABLE LIFE AND THE BARRIER IS STILL NECESSARY, THE FABRIC SHALL BE REPLACED PROMPTLY.
- SEDIMENT DEPOSITS MUST BE REMOVED WHEN DEPOSITS REACH APPROXIMATELY ONE THIRD (1/3) THE HEIGHT OF THE BARRIER.
- ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE SILT FENCE OR HAY BALE BARRIER IS NO LONGER REQUIRED SHALL BE REMOVED. THE AREA SHALL BE PREPARED AND SEEDDED.
- ADDITIONAL STONE MAY HAVE TO BE ADDED TO THE CONSTRUCTION ENTRANCE, ROCK BARRIER STONE LINED SWALES, ETC., PERIODICALLY TO MAINTAIN PROPER FUNCTION OF THE EROSION CONTROL STRUCTURE.



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Tax Map 12 Lot 1-21
SCRD 4399/744

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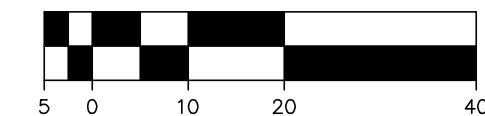


SILT FENCE DETAIL
NOT TO SCALE

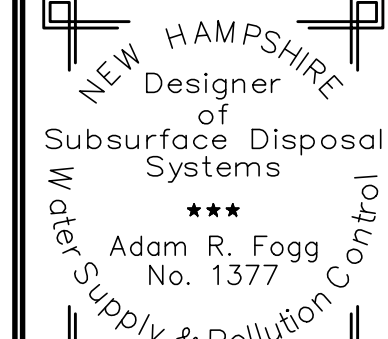
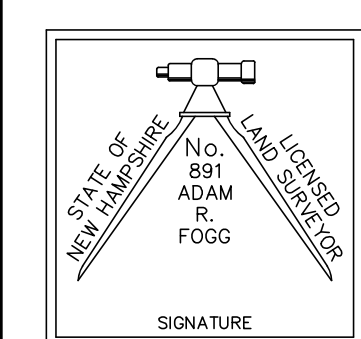
LEGEND:

- 102 --- 2' CONTOUR LINE
- EDGE OF GRAVEL
- HIGHEST OBSERVABLE TIDE LINE
- PROPOSED SILT FENCE
- BUILDING SETBACK LINE
- IRON ROD FOUND
- GRANITE BOUND FOUND
- PHOTO 1
- ⊗ EXISTING TREE
- ⊙ EXISTING WELL

GRAPHIC SCALE: 1 Inch = 20 Feet

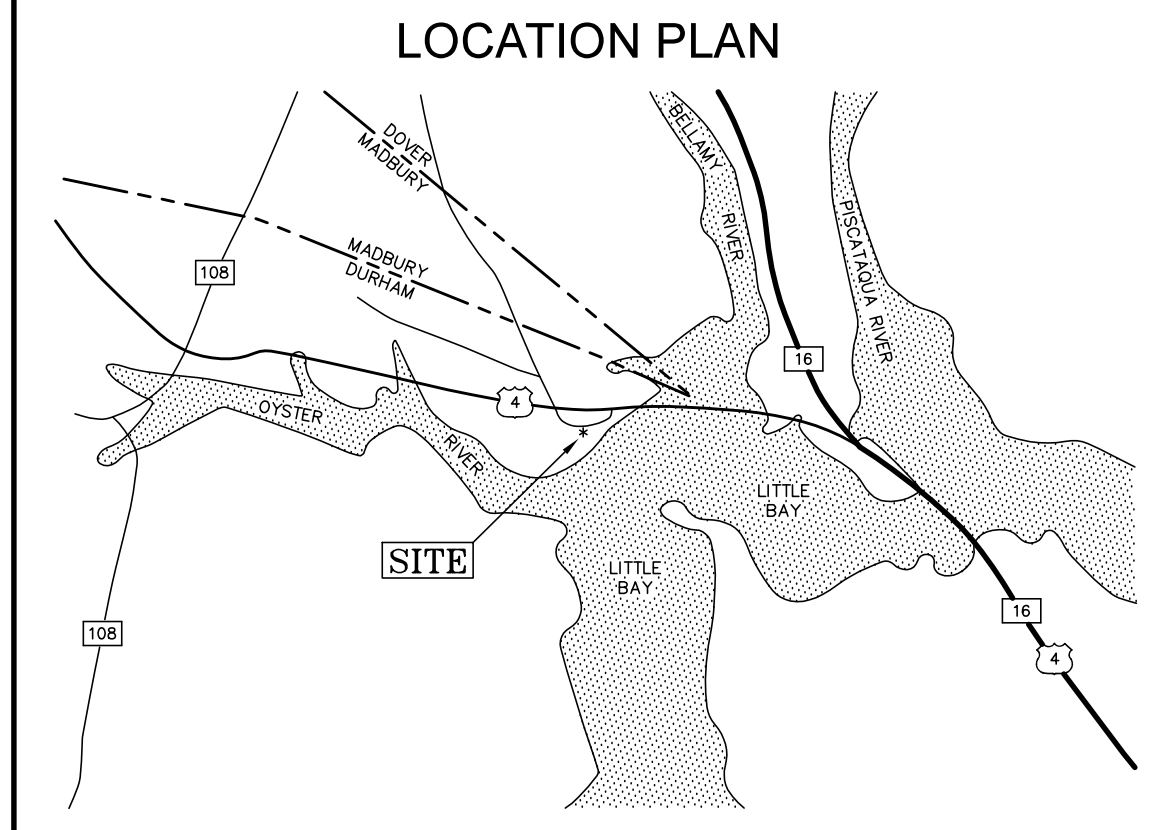


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PREPARED BY:
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PLANNERS
SEPTIC DESIGNERS
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NOTES

1. RANDOM TRAVERSE ERROR OF CLOSURE IS LESS THAN 1 PART IN 10,000.
2. OWNER OF RECORD:
AARON & JILL GRUETER
22 CEDAR POINT ROAD
DURHAM, NH 03824
TAX MAP 12, LOT 1-19
BOOK 4792, PAGE 380 S.C.R.D.
3. ELEVATIONS BASED ON NAVD 1988.
4. ZONING DIMENSIONAL AND DENSITY REQUIREMENTS ARE AS FOLLOWS:
a. ZONING DISTRICT: RESIDENCE C (RC)
b. MINIMUM LOT SIZE IS 150,000 Sq.Ft.
c. MINIMUM LOT FRONTAGE IS 300 Ft.
d. BUILDING SETBACKS:
FRONT: 30'
SIDE: 50'
REAR: 50'
PISCATAQUA RIVER: 125'
5. ENTIRE PARCEL IS IN AN ALTERED STATE.
6. LOT COVERAGES:
EXISTING: HOUSE/DECKS/STEPS/SHEDS: 4770 S.F.
GRAVEL DRIVEWAYS: 1050 S.F.
WALKWAY: 275 S.F.
PROPOSED: HOUSE/DECKS/STEPS/SHEDS: 5580 S.F.
GRAVEL DRIVEWAY: 550 S.F.
WALKWAY: 0 S.F. (REMOVED)

POST-CONSTRUCTION CONDITIONS PLAN

OWNER: AARON & JILL GRUETER
22 CEDAR POINT ROAD
DURHAM, NH 03824

LOT ADDRESS: 22 CEDAR POINT ROAD
DURHAM, NH

TOWN INFO: TAX MAP 12, LOT 1-19

REGISTRY of DEEDS: STRAFFORD BOOK 4792, PAGE 380