EROSION AND SEDIMENTATION CONTROL

GENERAL

A rapid, well ordered construction program shall be the primary erosion control process utilized at this site.

The flat topography and limited tributary drainage area decreases the potential for erosion and transport of materials to sensitive areas, with the exception of the existing driveway that slopes down to Central Street and the culvert under Central Street that discharges directly to a wetland resource area. Care must be taken to insure materials are not washed down the driveway to the wetland across Central Street.

LIMITS OF WORK

The limits of work shown on the plan shall be established in the field prior to any construction activities, including clearing.

EROSION BARRIERS

The erosion barrier between the work area and the wetlands shall be installed prior to any disturbances to the ground, including grubbing.

The barrier shall be properly maintained for effectiveness and shall remain in place until all surfaces are made erosion-resistant. Any products of erosion entrapped by the barrier shall be promptly removed and their source abated.

A temporary construction entrance, or tracking pad, shall be installed at the end of the existing driveway to eliminate earthen materials being tracked onto the driveway.

Other erosion barriers such as sandbag dikes and sandbag chevrons should be installed as required to preclude materials from being washed down the driveway.

CLEARING

Clearing including removal of trunks shall be scheduled for completion in a work week.

A portion of wood chips should be retained on site for incorporating into erosion control barriers and to serve as temporary stabilization of surfaces.

GRUBBING -STRIPPING - STOCKPILING

Stumps and other materials not to being incorporated into the site shall be removed from the site during the workweek they are generated.

Topsoil and other materials to be retained onsite shall be stockpiled on the north side of the proposed house and leaching area so that equipment need not pass between the house and the wetland for retrieval.

HOUSE CONSTRUCTION

The house is to be constructed with minimal disturbances and movement between the house and the wetlands.

The site shall be kept litter-free, and solid waste containers shall be kept and properly maintained onsite. Liquid wastes shall not be placed in the solid waste containers but shall be placed in separate leak-proof containers and transported directly offsite for proper disposal.

A temporary construction entrance or sandbag dike shall be in placed to insure earthen materials are not washed down the existing driveway.

UTILITIES

During the installation of the waterline and other buried utilities in the Pine Ridge right-of-way, open and backfilled trenches could result in the channelization of runoff, erosion, and materials being transported to the wetland across Central Street. Care must be taken to backfill trenches and stabilize their surfaces promptly, especially if precipitation is expected.

Sandbag chevrons shall be installed to divert runoff from trench surfaces until they are erosion-resistant.

SUBSURFACE SEWAGE DISPOSAL SYSTEM

The subsurface sewage disposal system shall be constructed at a time in which it will not be impeded by other construction activities onsite. Equipment utilized shall not be allowed to pass along the south side of the house.

It is the engineer's recommendation that fill be placed prior to the installation of the foundation and that the system be installed prior to the start of framing.

The system area shall be made erosion-resistant as soon as possible and stabilization shall not be delayed until final landscaping.

STABILIZATION

All surfaces shall be made erosion-resistant as soon as possible and stabilization shall not be delayed until final construction.

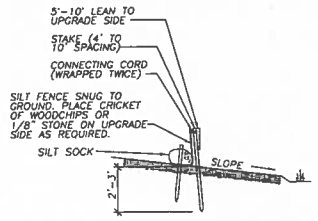
Of primary importance are the trench surfaces along the Pine Ridge driveway and the area comprised of the leaching area and its breakout fill.

COMPLETION OF PROJECT

The project will not be considered complete until all surfaces are erosion-resistant, all debris is removed, and all erosion barriers and products of erosion are removed and properly disposed of.

LEGEND

S.T.	SEPTIC TANK
D-BOX	DISTRIBUTION BOX
	OBSERVATION HOLE (TEST PIT)
	PERCOLATION TEST
190x5	SPOT ELEVATIONS
—100—	EXISTING 5' CONTOURS
--98--	EXISTING 1' CONTOURS
—190—	PROPOSED CONTOURS
—W—	PRESSURED WATER LINE

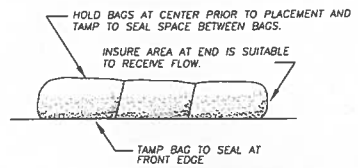


NOTES:

1. FENCES SHALL BE LOCATED AT LIMIT OF WORK AS SHOWN ON PLAN.
2. SNUG BOTTOM OF FENCE TO GROUND OVER ENTIRE LENGTH.
3. DO NOT INSTALL IN A MANNER WHICH WILL CONCENTRATE RUNOFF.
4. BACK FENCE WITH STAKED HAYBALES IN HIGH RISK AREAS.
5. MAINTAIN AND REMOVE FENCE AS REQUIRED.
6. REMOVE PRODUCTS OF EROSION FREQUENTLY.
7. CONTRACTOR SHALL INSURE THAT ALL DEWATERING ACTIVITY SHALL DISCHARGE WATER THAT IS CLEAN AND FREE OF SILT AND FINE SEDIMENTS PRIOR TO DISCHARGE TOWARDS WETLANDS.

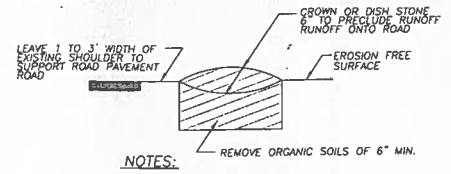
EROSION BARRIER [SILT FENCE] DETAIL

N.T.S.



SAND BAG DIKE DETAIL

N.T.S.

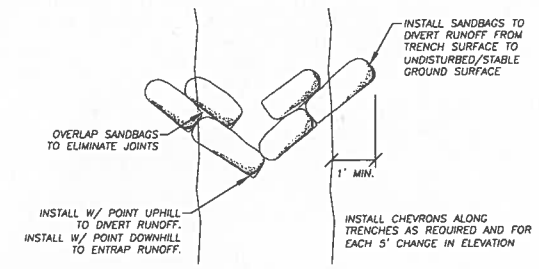


NOTES:

1. STONE SHALL BE 1-3" IN SIZE AND INSTALLED TO REMOVE AND ENTRAP MATERIALS FROM TIRES AND NOT BE TRANSPORTED TO ROAD.
2. STONE SHALL EXTEND ACROSS FULL WIDTH OF ENTRANCE AND BE OF SUFFICIENT LENGTH TO PRECLUDE MUD FROM REACHING ROAD.
3. STONE SHALL BE REPLACED AS REQUIRED TO INSURE MUD REMOVAL.
4. CONSTRUCTION ENTRANCE SHALL BE A MINIMUM OF 50 FEET IN LENGTH.

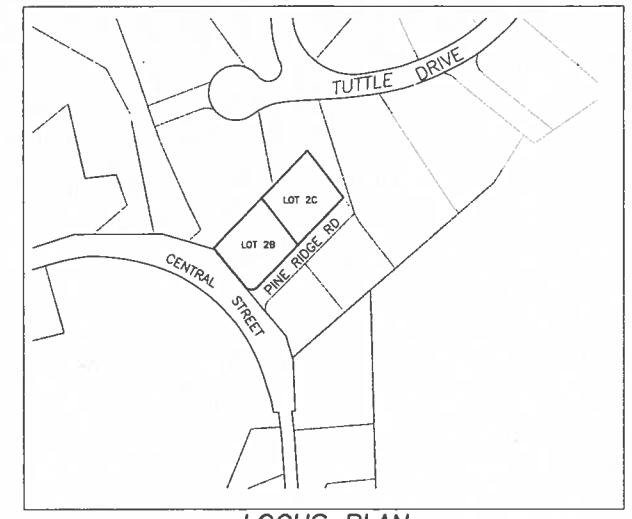
TEMPORARY CONSTRUCTION ENTRANCE

N.T.S.



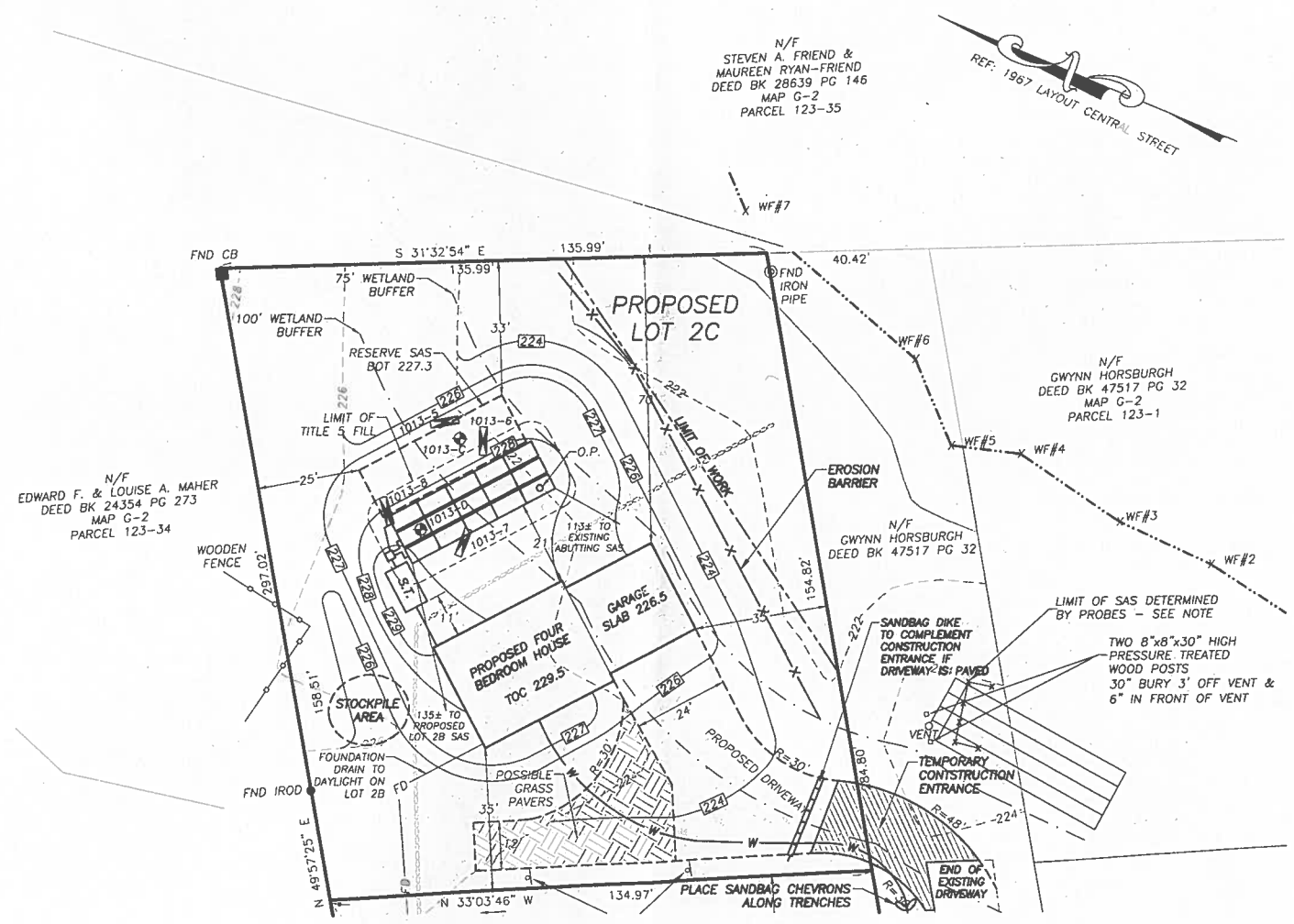
SANDBAG CHEVRON DETAIL

N.T.S.



LOCUS PLAN

SCALE: 1" = 200'



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NOTICE OF INTENT PLAN

93 CENTRAL STREET (LOT 2C) OFF PINE RIDGE RD
ACTON, MA 01720

PREPARED FOR:
SEAL HARBOR, LLC
170 AYER ROAD
LITTLETON, MA 01460

SCALE: 1"=20' DATE: OCTOBER 31, 2013

Acton Survey & Engineering, Inc.
Since 1967
97 GREAT ROAD
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PH. (978) 263-3666
FAX (978) 635-0218

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