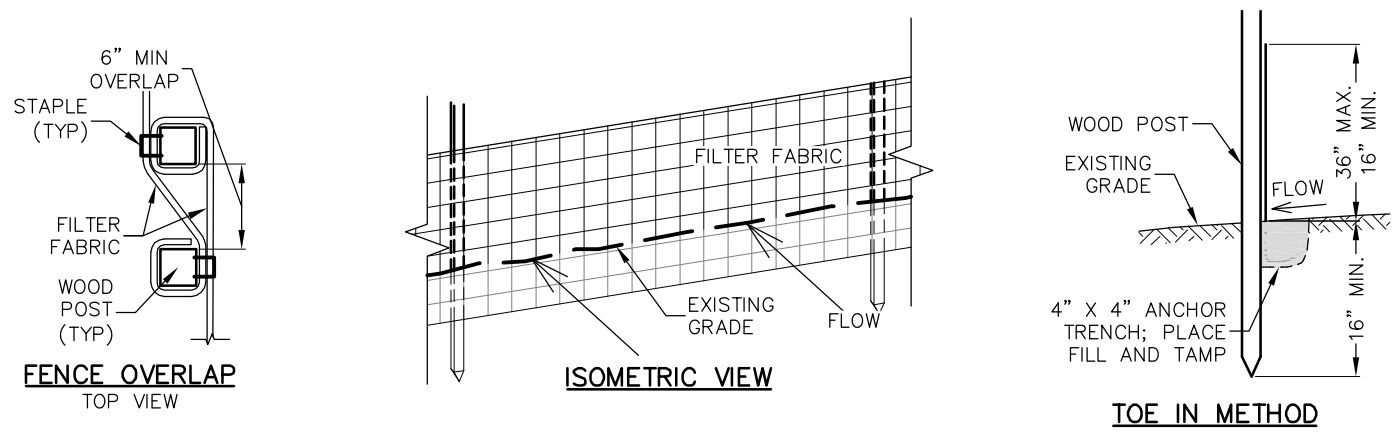


GRID 4		GRID 5	
TREE	POINT VALUE	(91 SF, 2 PTS REQ'D)	
7" WB	10	TREE	POINT VALUE
6" WB	5	7" WB	10
6" BE	5	5" BE	5
6" BE	5	6" BE	5
TOTAL	25	TOTAL	20

BE	BEECH
HM	HEMLOCK
HW	UNKNOWN HARDOOD
TBR	TO BE REMOVED
WB	WHITE BIRCH
YB	YELLOW BIRCH

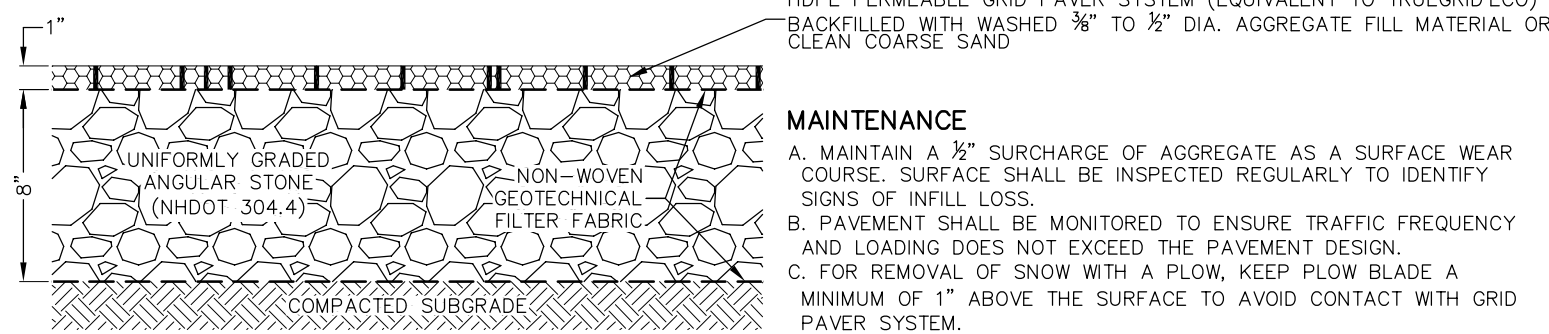
DIAMETER OF EXISTING TREES ARE MEASURED AT A POINT 4 1/2 FEET FROM THE GROUND SURFACE AT THE LOCATION OF EACH TREE USING A DIAMETER TAPE.



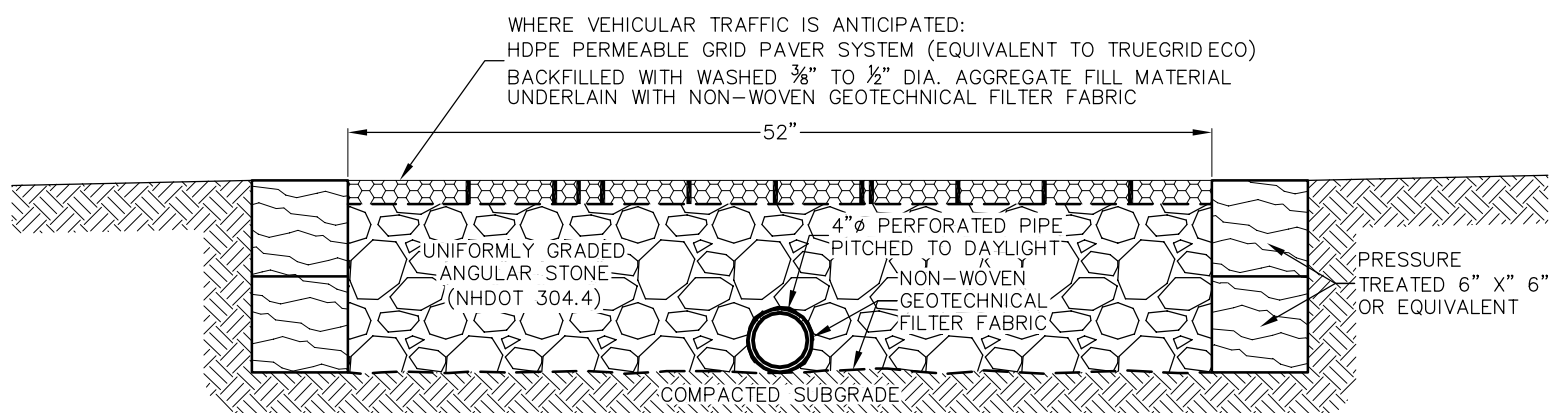
A. FILTER FABRIC AND POSTS

1. FILTER FABRIC SHALL BE A PERVOUS SHEET OF PROPYLENE, NYLON, POLYESTER OR ETHYLENE YARN CERTIFIED BY THE MANUFACTURER OR SUPPLIER.
2. FILTER FABRIC SHALL CONTAIN ULTRAVIOLET RAY INHIBITORS AND STABILIZERS TO PROVIDE A MINIMUM OF 6 MONTHS OF EXPECTED USEABLE CONSTRUCTION LIFE AT A TEMPERATURE RANGE OF 0 TO 120 DEGREES FAHRENHEIT.
3. FILTER FABRIC SHALL BE PURCHASED IN A CONTINUOUS ROLL CUT TO THE LENGTH OF THE BARRIER TO AVOID THE USE OF JOINTS. IF JOINTS ARE NECESSARY, FILTER FABRIC SHALL BE SPLICED TOGETHER WITH A MINIMUM 6 INCH OVERLAP, SEALED AND SECURED AT A SUPPORT POST.
4. POSTS FOR SILT FENCES SHALL BE 4 INCH DIAMETER WOOD OR 1.33 POUNDS PER LINEAR FOOT STEEL WITH A MINIMUM LENGTH OF 5 FEET. STEEL POSTS SHALL HAVE PROJECTIONS FOR FASTENING WIRE TO THEM.
5. A MANUFACTURED SILT FENCE SYSTEM WITH INTEGRAL POSTS SPACED AT 6 FEET MAXIMUM MAY BE USED. SUPPORT POSTS SHALL BE SIZED AND ANCHORED ACCORDING TO THE MANUFACTURER'S INSTRUCTIONS.
6. INSTALLATION
 1. FENCES SHALL BE INSTALLED FOLLOWING THE CONTOUR OF THE LAND AS CLOSELY AS POSSIBLE. THE ENDS OF THE FENCE SHALL BE FLARED UPHILL WITH "SMILES" OR "J-HOOKS" TO REDUCE THE DRAINAGE AREA THAT ANY SEGMENT WILL IMPOUND.
 2. SILT FENCES PLACED AT THE TOE OF A SLOPE SHALL BE SET AT LEAST 6 FEET FROM THE TOE TO ALLOW FOR PONDING AND MAINTENANCE.
 3. A TRENCH SHALL BE EXCAVATED A MINIMUM OF 4 INCHES WIDE AND 4 INCHES DEEP UPGRADIENT OF POSTS AND BARRIER. A MINIMUM OF 8 INCHES OF FILTER FABRIC SHALL BE EMBEDDED IN TRENCH THEN BACKFILLED WITH BACKFILL COMPACTED OVER THE FILTER FABRIC.
 4. ALTERNATIVELY, SILT FENCE MAY BE INSTALLED BY "SLICING" USING MECHANICAL EQUIPMENT SPECIFICALLY DESIGNED FOR THIS PROCEDURE.
 5. IF SITE CONDITIONS PRECLUDE EXCAVATION OF TRENCH, THE BOTTOM OF THE FABRIC SHALL BE ANCHORED WITH A MINIMUM THICKNESS OF 8 INCHES OF NATURAL SOIL.
 6. IF THE FILTER FABRIC SHALL NOT EXTEND MORE THAN 36 INCHES ABOVE EXISTING GRADE.
 7. POSTS SHALL BE PLACED ON THE DOWNSLOPE SIDE OF THE FABRIC WITH SPACING NOT TO EXCEED 6 FEET. SILT FENCING SHALL NOT BE STAPLED OR NAILED TO TREES.
 8. ADJOINING SECTIONS OF SILT FENCE SHALL BE OVERLAPPED BY A MINIMUM OF 6 INCHES (24 INCHES PREFERRED), FOLDED AND STAPLED TO A SUPPORT POST IF METAL POSTS ARE USED, FABRIC SHALL BE WIRE-TIED DIRECTLY TO THE POSTS WITH THREE DIAGONAL TIES.
7. MAINTENANCE
 1. THE USEFUL LIFE OF SILT FENCE IS ONE SEASON. SILT FENCE SHALL BE REPLACED PERIODICALLY AS REQUIRED TO MAINTAIN EFFECTIVENESS ON PROJECTS EXCEEDING ONE SEASON.
 2. FENCES SHALL BE INSPECTED AND MAINTAINED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL.
 3. SEDIMENT DEPOSITION SHALL BE REMOVED, AT A MINIMUM, WHEN DEPOSITION ACCUMULATES TO ONE-HALF THE HEIGHT OF THE FENCE, AND REMOVED TO A LOCATION NOT UPSLOPE OF SILT FENCE.
 4. SILT FENCES SHALL BE REPAIRED IMMEDIATELY IF THERE ARE ANY SIGNS OF EROSION OR SEDIMENTATION DOWNWIND, SILT FENCE SHALL BE REPAIRED IMMEDIATELY IF THERE ARE ANY SIGNS OF UNDERCUTTING OR IMPOUNDING OF LARGE VOLUMES OF WATER OCCURS.
 5. EXTEND TO FENCE UPSLOPE OR REPLACE WITH TEMPORARY DIVERSIONS OR SEDIMENT TRAPS IF THERE IS EVIDENCE OF END FLOW.
 6. FILTER FABRIC SHALL BE REPLACED IMMEDIATELY IF DECOMPOSITION OR INEFFECTIVENESS OCCURS PRIOR TO THE END OF THE EXPECTED USEABLE LIFE AND IS STILL REQUIRED.
 7. SEDIMENT ON POSTS REMAINING IN PLACE AFTER REMOVAL OF SILT FENCE SHALL BE DRESSED TO CONFORM TO THE EXISTING GRADE, PREPARED AND SEEDS.
 8. ONCE UPSLOPE AREAS HAVE BEEN PERMANENTLY STABILIZED SILT FENCES SHALL BE REMOVED.

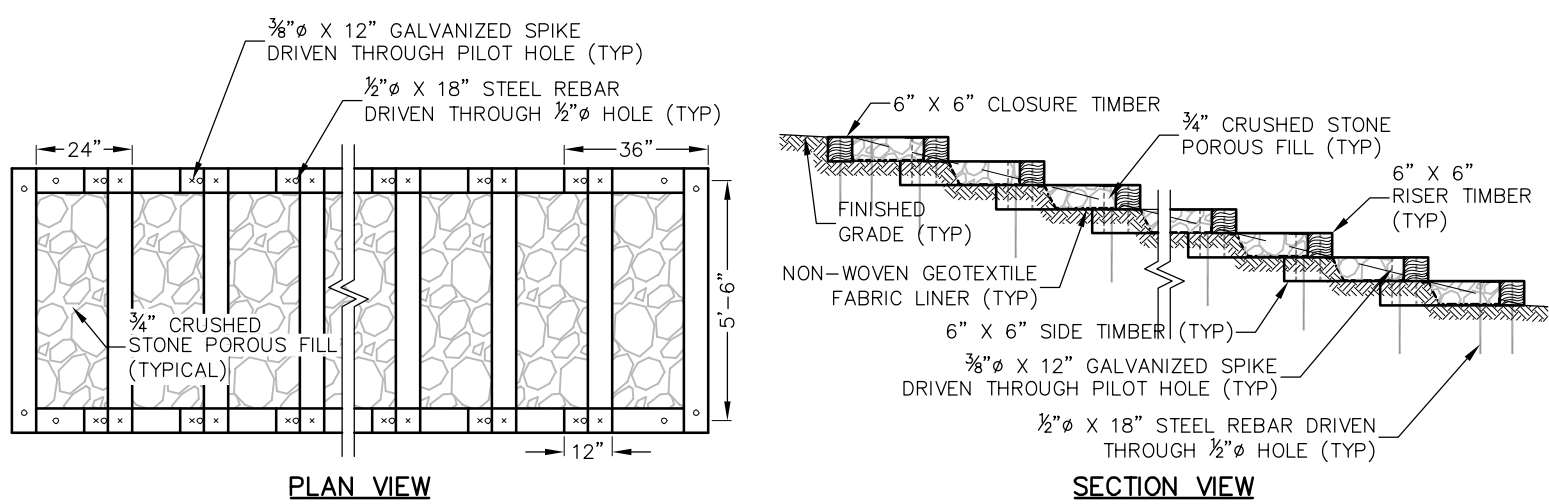
NOT TO SCALE
INSTALL AROUND STOCKPILED MATERIALS AND THROUGHOUT THE SITE USING BEST MANAGEMENT PRACTICES



NO SCALE



NO SCALE



NO SCALE

THIS PLAN DEPICTS THE DESIGNED IMPROVEMENTS AND OTHER ENGINEERING DATA. THE ENGINEERING ASPECTS OF THIS PLAN HAVE BEEN PREPARED BY ME AND BY THOSE UNDER MY DIRECT SUPERVISION; EVERY SUCH ASPECT OF THIS PLAN IS BASED ON MY BEST KNOWLEDGE AND OPINION THEREOF. THIS PLAN DOES NOT CONSTITUTE ANY GUARANTEES, TITLE OR OTHERWISE, BUT HAS BEEN PREPARED WITH USUAL AND CUSTOMARY STANDARDS OF CARE. ANY REFERENCES SHOWN ARE SOLELY FOR GENERAL INFORMATION.

USERS OF THIS PLAN ARE CAUTIONED TO REFER TO THE REVISIONS BLOCK FOR EXPLANATORY DETAILS; THE MOST RECENTLY DATED PLAN SHALL SUPERSEDE ALL EARLIER PLANS.

PLAN PREPARED BY WHITE MOUNTAIN SURVEY & ENGINEERING, INC. DATE
MARK LUCY, P.E. C.P.E.S.C. MARCH 5, 2011

A circular professional engineer seal for the State of New Hampshire. The outer ring contains the text "STATE OF NEW HAMPSHIRE" at the top and "PROFESSIONAL ENGINEER" at the bottom, separated by small dots. Inside the ring, the name "MARK LUCY" is written in a stylized font, with "NO. 7260" below it. The word "LICENSED" is at the bottom of the inner circle. There are some handwritten marks and a signature over the name.

Grid NORTH

Lower Beech Pond

HIDDEN VALLEY ROAD

BROWN ROAD

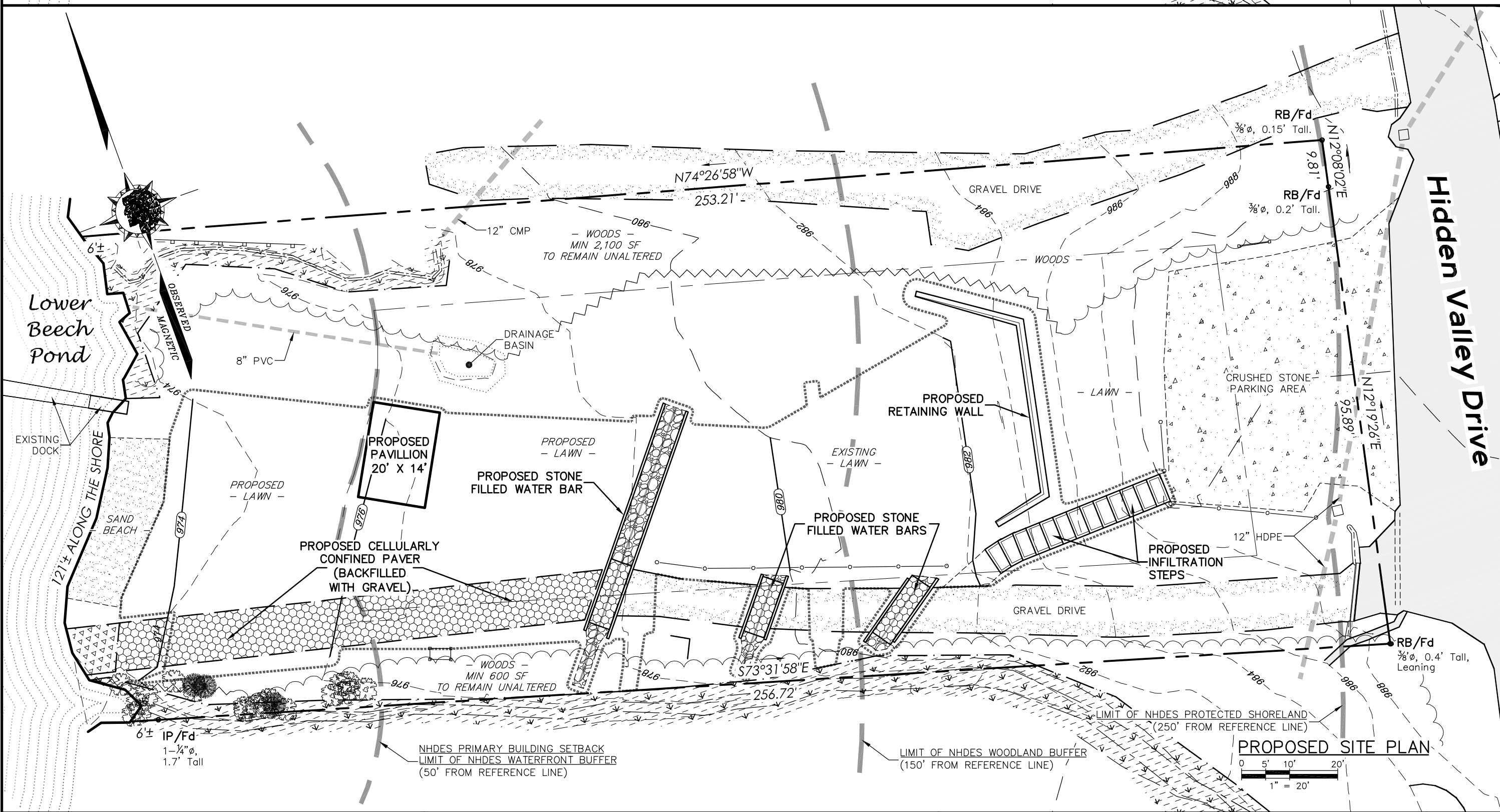
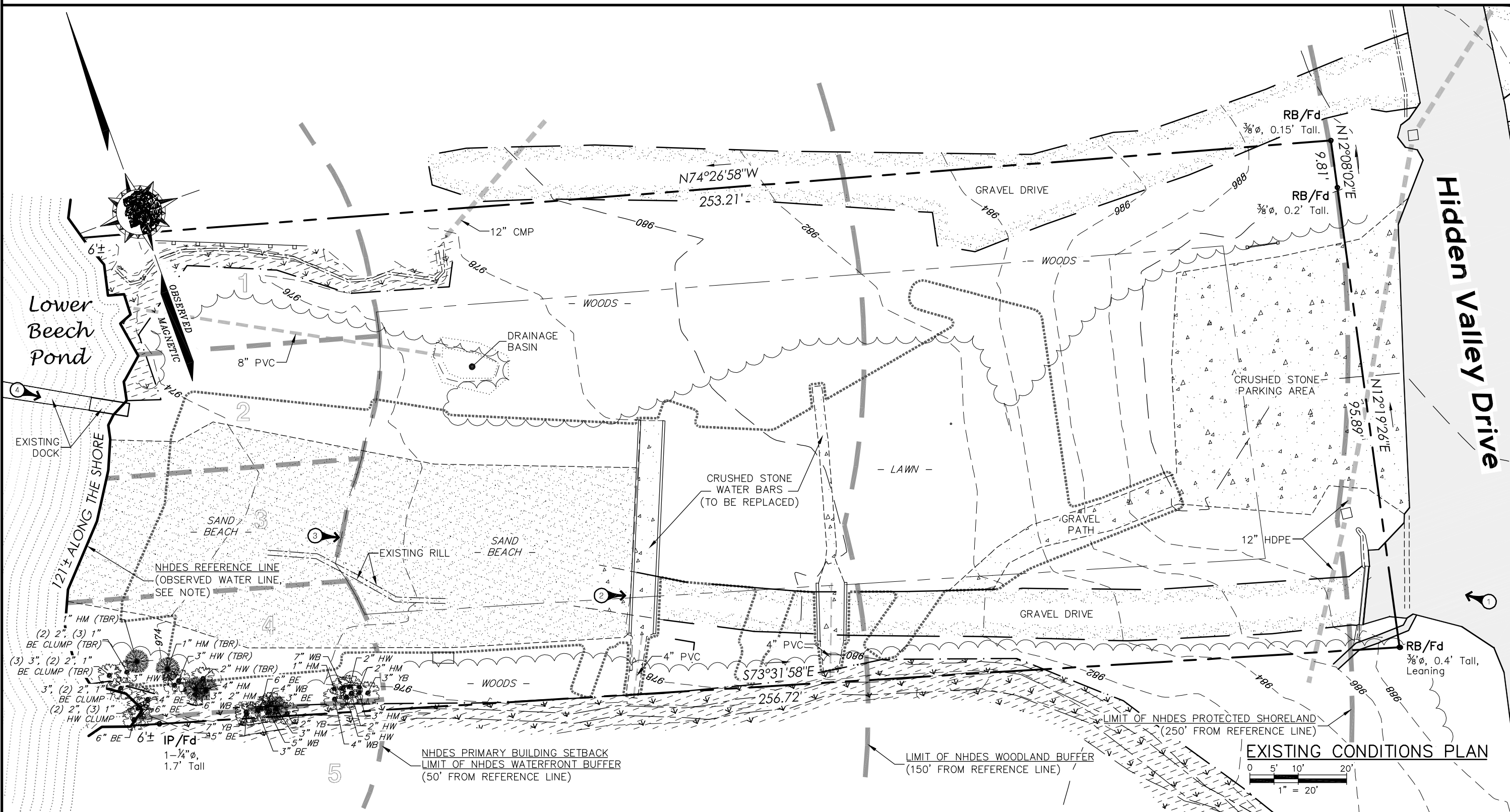
SITE

1 OF 1

RESEARCH	WWS
FIELD	RCR/ALN/EA
COMPS	WWS
CADD	WWS/DRP/DR
MATH CHK	-
PLAN CHK	Mark



P11-1-475 235

[illegible]

1. Carroll County Registry of Deeds (CCRD book/page).
Dates given are dates of execution.

Shoreland Redevelopment Plan
FOR
Hidden Valley Home Owners Association
Hidden Valley Drive
Center Tuftonboro, New Hampshire

WHITE MOUNTAIN SURVEY & ENGINEERING, INC.

(603) 539-4118, PO Box 440, Ossipee, New Hampshire 03864

www.whitemountainsurvey.com