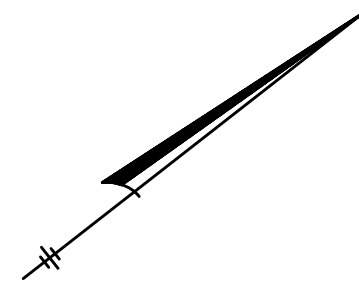


CONSTRUCTION KEY NOTES:
(NOT A CONSTRUCTION SEQUENCE)

1. INSTALLED 5,000 GALLON GREASE TRAP AND CONNECT TO EXISTING SEWER LINE
INVERT IN=160.5
INVERT OUT=160.3
2. INSTALL PERMEABLE PAVER PATIO
3. INSTALL 4" ROOF DRAIN HEADER AND CONNECTING PIPE TO INFILTRATION CHAMBER SYSTEM
4. INSTALL STORMTANK INFILTRATION CHAMBER SYSTEM
TOTAL CHAMBERS=168 30" UNITS (12x14 UNITS)
SEE PLAN FOR LAYOUT
E.S.H.G.W.=158.5
BOTTOM OF CHAMBERS=162.5
TOP OF CHAMBERS=165.0
FINISH GRADE EL.=167-169.7
INLET INVERT=163.2
5. INSTALL 8" INSPECTION PORTS IN INFILTRATION CHAMBER SYSTEM
6. INSTALL ROOF RUNOFF INFILTRATION TRENCH
7. INSTALL HAYBALE AND SILT FENCE SILTATION BARRIER
8. DIVERT DRAIN AROUND GREASE TRAP
9. INSTALL PROPANE TANK ON CONCRETE PAD
10. INSTALL GENERATOR ON CONCRETE PAD
11. GRANITE OR CONCRETE CURB LAID FLUSH
12. INSTALL CONCRETE PAD, DUMPSTER, FENCE, & GATE
TOP OF PAD EL.=165.5
13. INSTALL RETAINING WALL AS NEEDED, TO BE DESIGNED BY STRUCTURAL ENGINEER.
14. REPLACE EXISTING 1" GALVANIZED WATER LINE WITH 1 1/2" HDPE WATER LINE
15. INSTALL GRAVEL WALK & INFILTRATION TRENCH (USE 8 x 8 x 6 TIMBER FOR STAIRS)
16. EXISTING DINING HALL TO BE REMOVED
17. REMOVE EXISTING WALK
18. EXISTING 2,000 GALLON PRECAST CONCRETE GREASE TRAP TO BE PUMPED AND REMOVED.
19. EXISTING SEWER TO BE PROTECTED
20. SLEEVE FIRE LINE WITHIN 10' OF GREASE TRAP
21. INSTALL 4" PVC WATER LINE
22. INSTALL 5" NPT X 4.5" STEAMER NOZZLE
23. INSTALL CONCRETE PADS AND RAMPS
24. INSTALL STONE APRON
25. PAVE AREA OVER INFILTRATION CHAMBERS
26. REMOVE TREES
27. INSTALL SLOPE STABILIZATION ON ALL DISTURBED SOILS OR HYDROSEED PER OWNER
28. CONNECT TO EXISTING SEWER
6" PVC INV.=158.0

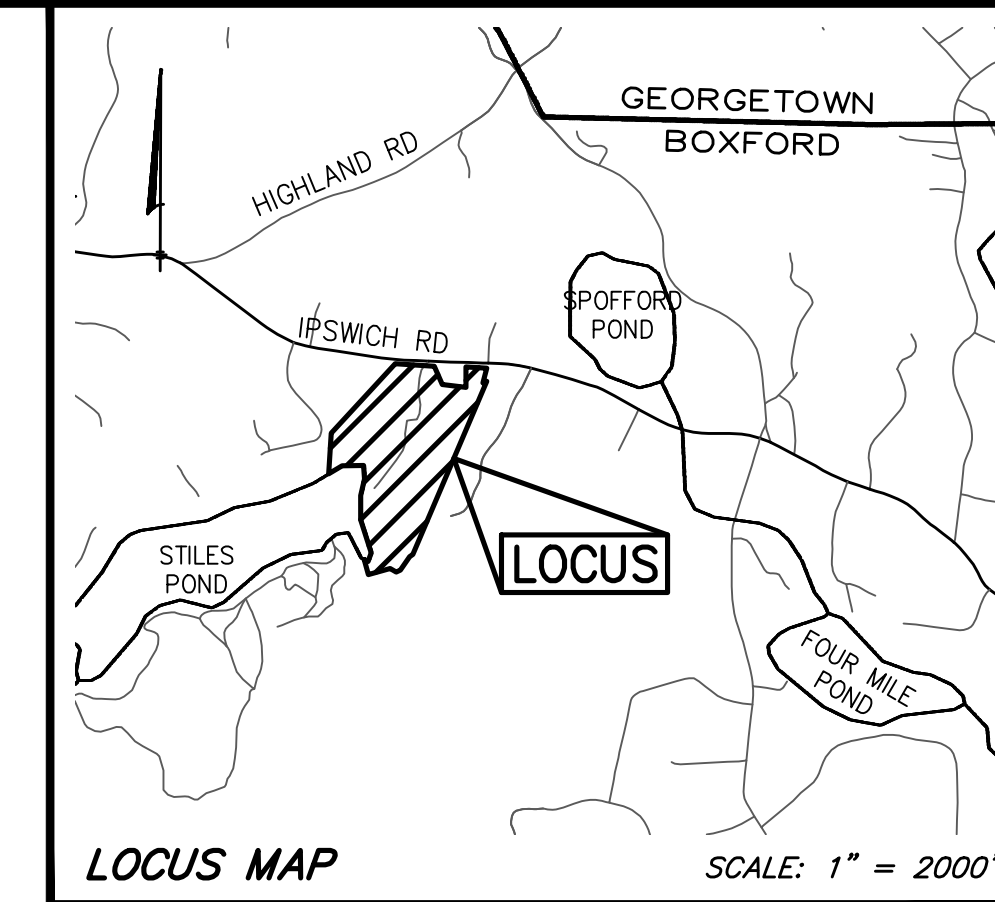
CHANGES DURING CONSTRUCTION:

- A. ELIMINATED RETAINING WALLS AND ADDED STEPS TO WALK
- B. INSTALLED FIRE LINE, CONNECTIONS AND SILTATION BARRIER
- C. INSTALLED BOULDER WALLS
- D. PLACED CRUSHED STONE BELOW OVERHANG
- E. MOVED PROPANE TANK UPHILL
- F. INSTALLED DIESEL GENERATOR AND BOLLARDS UPHILL FROM ORIGINAL PROPOSED LOCATION
- G. REMOVED 6 TREES



LEGEND

EXISTING	PROPOSED
S	SS
W	
D	
Stone Wall	
Retaining Wall	
Building, Light, Steps & Overhang	
92.6	92.6
92	92
RD	
Roof Drain	
Limit of 25-foot No-Disturb Zone	
Limit of 75-foot No-Construction Zone	
Limit of 100-foot Wetland Buffer Zone	
Limit of Bordering Vegetated Wetlands	
Infiltration Trench	
Edge of Gravel Road	
Edge of Pavement	
Chain Link Fence	
Wood Fence	
Sewerline & Manhole with Pipe Size, Material & Flow Direction	
Drainline with Pipe Size, Material, Flow Direction, & Catchbasin	
Utility Pole with Overhead Wires and Guy Pole	
Edge of Ledge Outcrop	
Prominent Deciduous Tree with Elevation, Size and Species	
Prominent Coniferous Tree with Elevation, Size and Species	
Polyvinyl Chloride	
Reinforced Concrete Pipe	
Gravel Patio	
Siltation Barrier	
Tree to be Removed	



CAMP ROTARY DINING HALL

372 Ipswich Road
Boxford, MA 01921

PREPARED FOR:

Gienapp Architects, LLC

20 Conant Street
Danvers, Massachusetts 01923

HANCOCK ASSOCIATES

Civil Engineers

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Wetland Scientists

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PLAN INTENT

THESE DRAWINGS ARE INTENDED TO SHOW CONSTRUCTION REQUIREMENTS FOR A DINING HALL AND ASSOCIATED DRAINAGE IMPROVEMENTS.

NOTE:

SEE ARCHITECT'S PLANS FOR BUILDING, WALL, PATIO, SIDEWALK AND GENERATOR DETAILS.

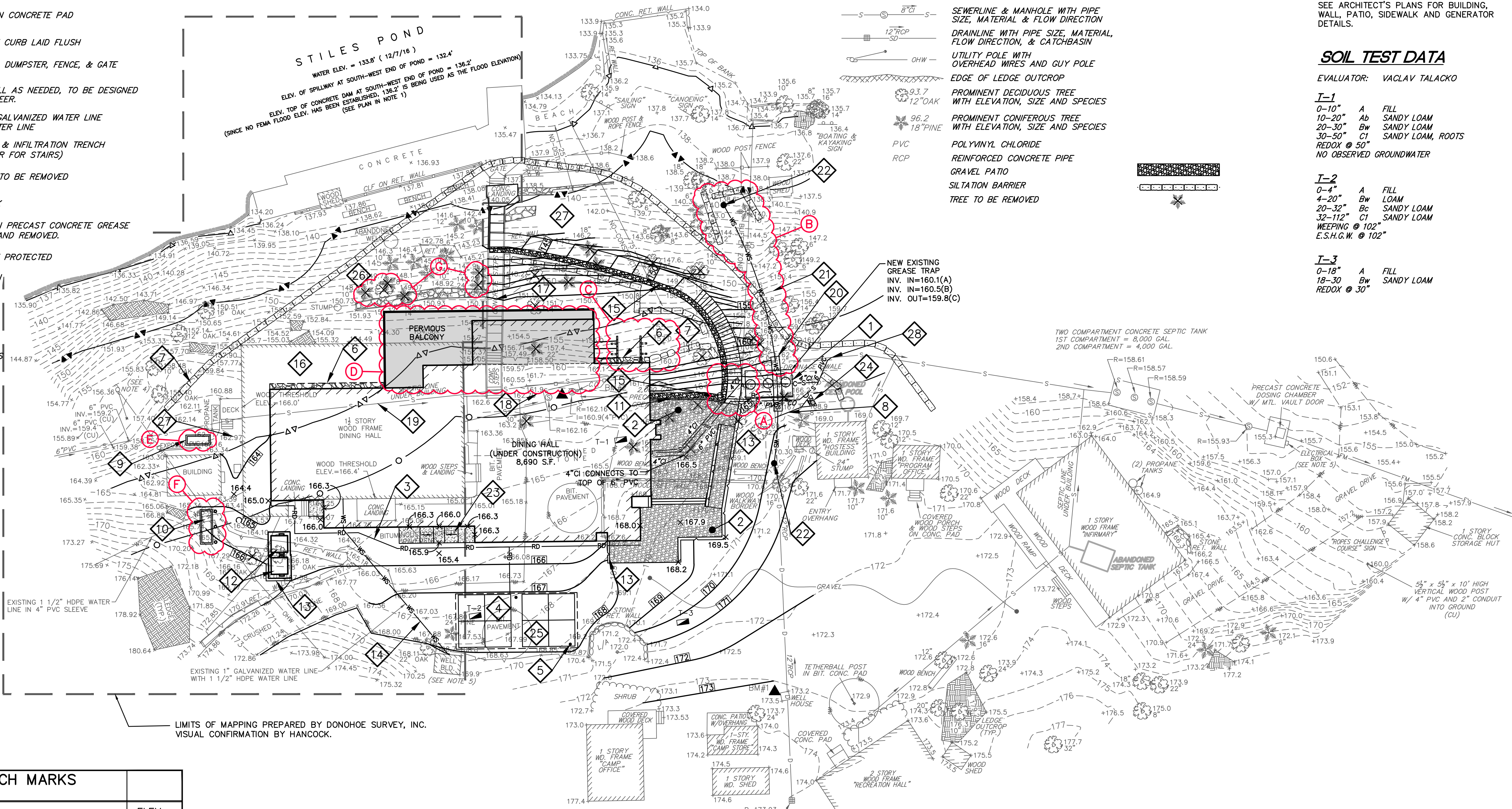
SOIL TEST DATA

EVALUATOR: VACLAV TALACKO

I-1
0-10" A FILL
10-20" Ab SANDY LOAM
20-30" Bw SANDY LOAM
30-50" C1 SANDY LOAM, ROOTS
REDOX @ 50"
NO OBSERVED GROUNDWATER

I-2
0-4" A FILL
4-20" Bw LOAM
20-32" Bc SANDY LOAM
32-112" C1 SANDY LOAM
WEEPING @ 102"
E.S.H.G.W. @ 102"

I-3
0-18" A FILL
18-30 Bw SANDY LOAM
REDOX @ 30"



LIMITS OF MAPPING PREPARED BY DONOHOE SURVEY, INC.
VISUAL CONFIRMATION BY HANCOCK.

ELEVATION BENCH MARKS		
DATUM: NAVD 88		
NO.	DESCRIPTION	ELEV.
1.	WELL HEAD - TOP EASTERLY BOLT	175.14
2.	TOP OF PVC CLEANOUT; 0.3' A.G.	162.36
3.		

NO.	BY	APP	DATE	ISSUE/REVISION	DESCRIPTION
			6/3/20	DESIGN BY:	JPC/VVT
				SCALE:	AS SHOWN
				DRAWN BY:	JPC/JSP
				APPROV. BY:	VVT / CHECK BY: ESS

EXHIBIT PLAN OF LAND IN BOXFORD, MA

PLOT DATE: Jun 04, 2020 9:28 am
PATH: R:\2020 3D Projects\22275 - Camp Rotary Gienapp - Boxford\

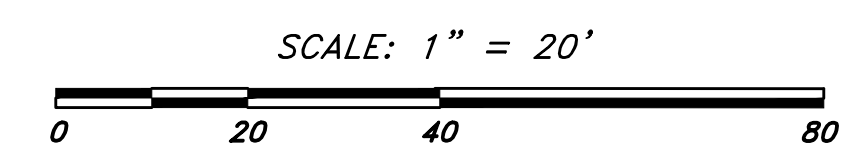
DWG: 22275ps8.dwg

LAYOUT: EX

SHEET: 2 OF 4

PROJECT NO.:

22275



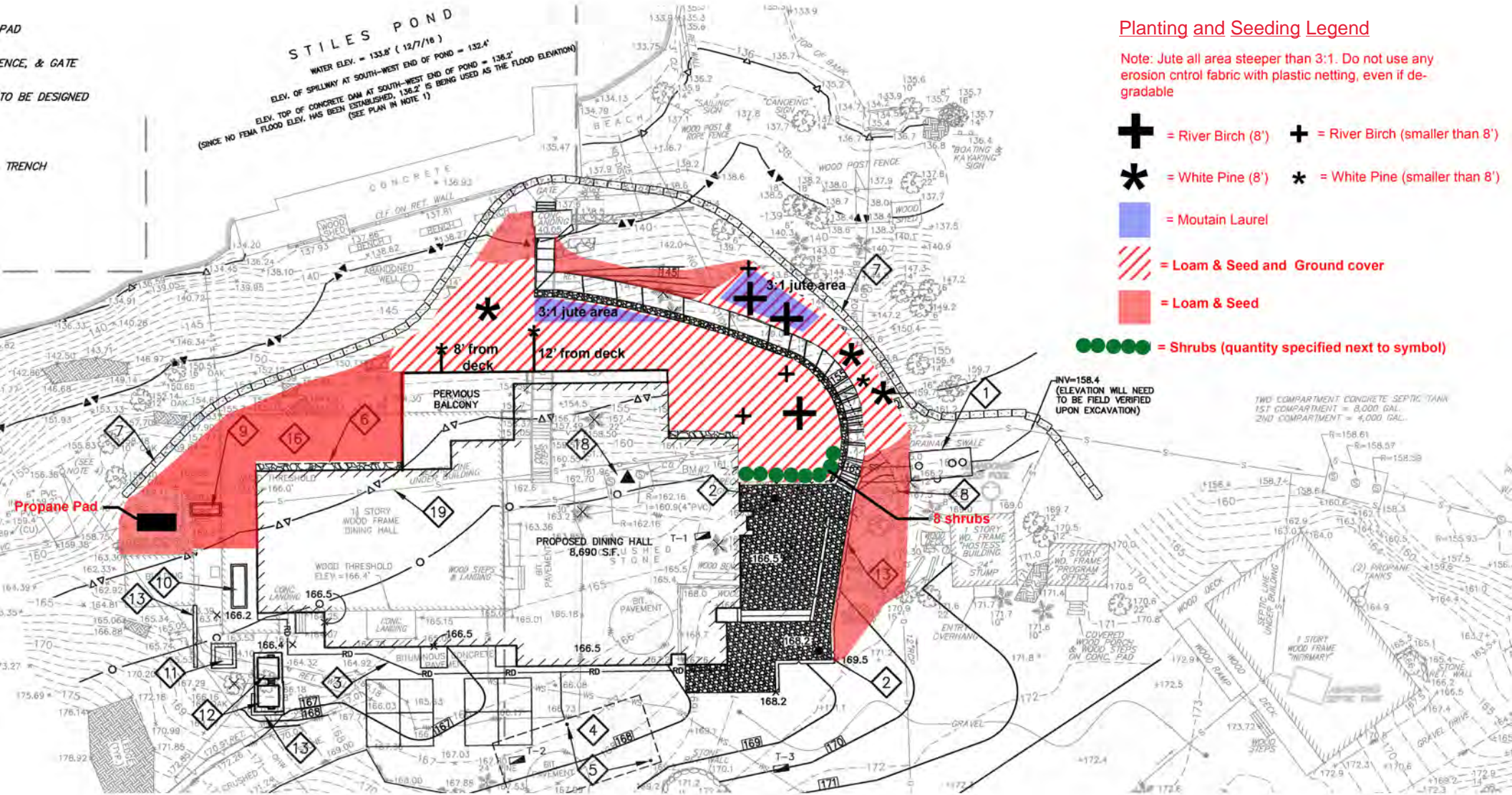
Landscape and Seeding Plan

This diagram is not to scale and is intended for reference only. This will help to understand the plants that are proposed as well as their approximate locations on the site. You can contact Alicia Bernardo at Gienapp Architects (978-750-9062) abernardo@gienapparchitects.com with any additional questions or comments.

Planting and Seeding Legend

Note: Jute all area steeper than 3:1. Do not use any erosion control fabric with plastic netting, even if degradable

- +** = River Birch (8')
- +** = River Birch (smaller than 8')
- *** = White Pine (8')
- *** = White Pine (smaller than 8')
- = Mountain Laurel
- ▨** = Loam & Seed and Ground cover
- = Loam & Seed
- = Shrubs (quantity specified next to symbol)



Note: This planting diagram is an overlay of the existing civil drawing. Please disregard any additional information/call outs not related to the planting and seeding legend shown.

Camp Rotary - Site Photos



Photo showing trees before work began



Trees marked for removal in preparation of amendment.



Area where trees were removed hydroseeded with native slope mix



Hydrant on pipe visible at bottom of slope



Generator relocated, left hand side out of buffer zone



Close up of end of generator outside buffer