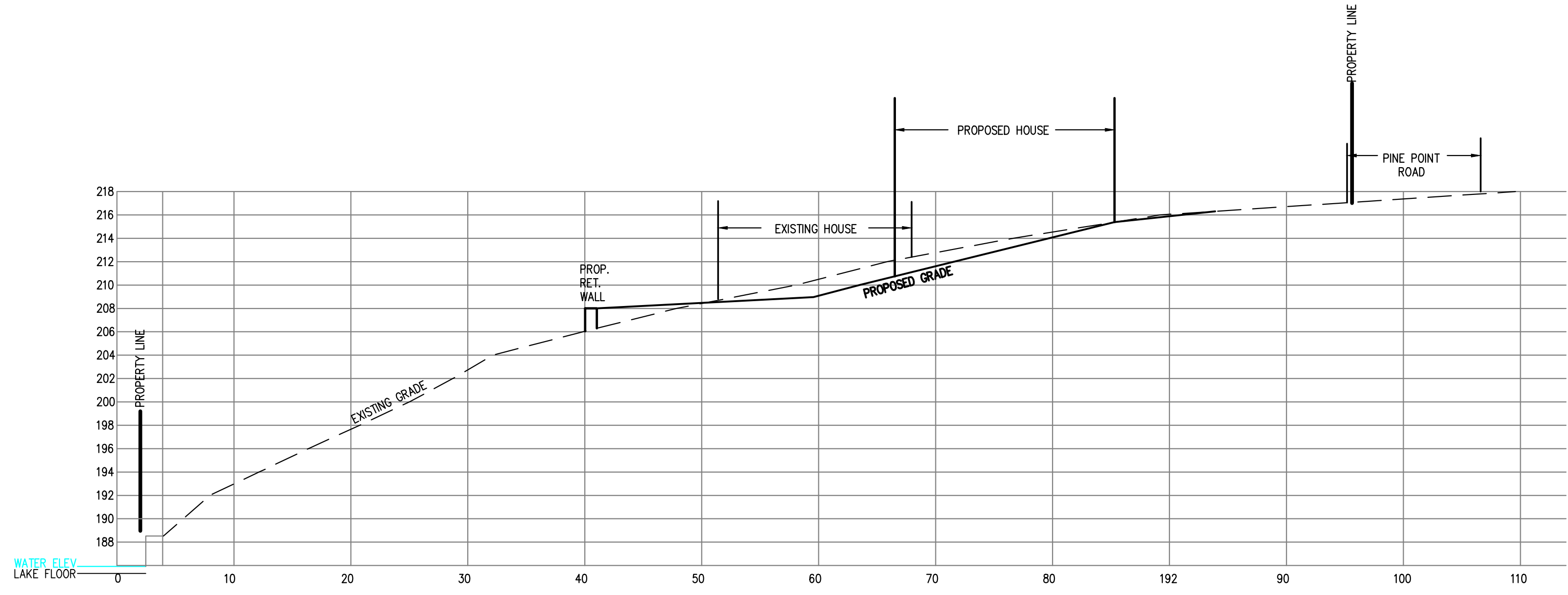


TYPICAL PLANTING DETAILS  
SCALE: NOT TO SCALE

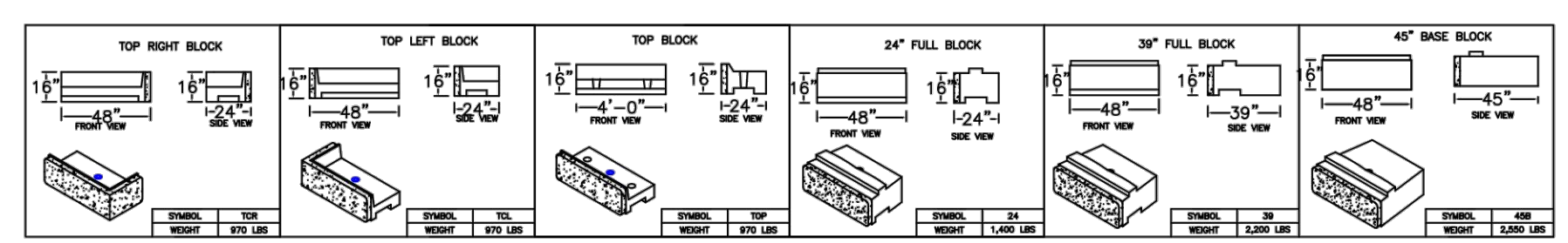
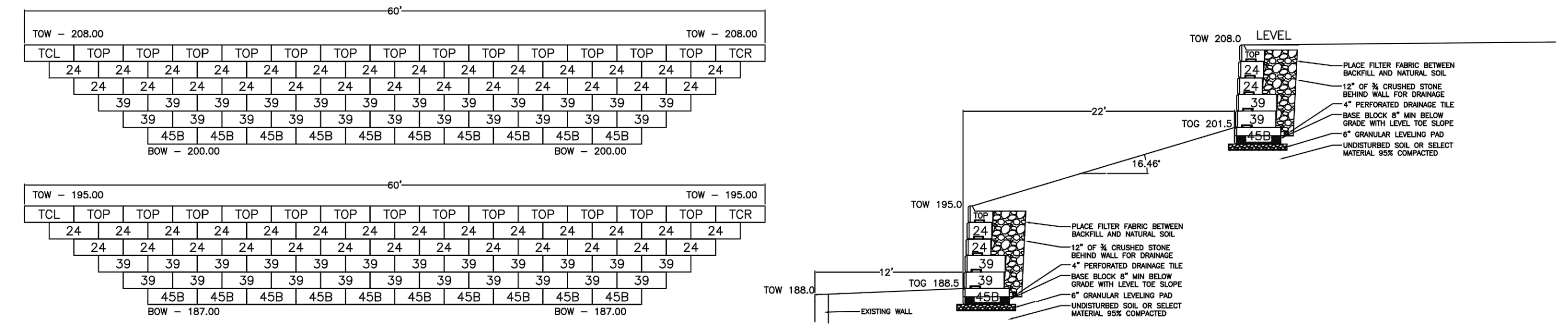
WOTH AND DEPTH OF PLANTING CAVITY TO BE SPECIFIED BY NURSERY RECOMMENDATIONS.

**PROPOSED PLANTING LIST**

QUANTITY	SPECIES	COMMON NAME	SIZE
2	JUNIPERUS VIRGINIANA	RED CEDAR	4-6 FT
3	CORNUS ALTERNIFLORA	ALTERNATE LEAVED DOGWOOD	4-6 FT
5	KALMA LATIFOLIA	MOUNTAIN LAUREL	2-3 FT
14	COMPTONIA PEREGRINA	SWEET FERN	2-3 FT
1	ACER SACCHARUM	SUGAR MAPLE	4-6 FT
1	QUERCUS ALBA	WHITE OAK	4-6 FT



SECTION A - A  
SCALE: H 1" = 8'  
V 1" = 8'



QTY	DESCRIPTION
26	TOP BLOCK
54	24\"/>
46	36\"/>
20	45\"/>
2	TCL BLOCK
2	TCR BLOCK

**RECON RETAINING WALL NOTES:**

- WALL CONSTRUCTION SHALL FULLY COMPLY WITH RECON WALL SYSTEMS SPECIFICATIONS AND INSTALLATION GUIDELINES.
- UNDERDRAINS SHALL BE PERFORATED GEOTEXTILE WRAPPED, 4" DIAMETER, AND SHALL MEET THE REQUIREMENTS OF AASHTO M252 AND/OR ASTM F949. UNDERDRAINS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. DRAINS NOT SPECIFIED TO TIE INTO THE SITE DRAINAGE SHALL DRAIN TO DAYLIGHT.
- RETAINED SOIL SHALL BE DETERMINED TO MEET OR EXCEED THE REQUIREMENTS BELOW IN THE ABSENCE OF A GEOTECHNICAL ENGINEERING STUDY. SOILS NOT MEETING THESE REQUIREMENTS SHALL BE EXCAVATED AND REPLACED WITH ACCEPTABLE SOILS.
- EXISTING WALL ALONG LAKESIDE TO BE EVALUATED FOR STABILITY BY OTHERS
- GLOBAL STABILITY ANALYSIS BY OTHERS RECOMMENDED. (REQUIRES SOIL EVALUATION)
- LEVELING PAD SHALL BE 3/4 CRUSHED STONE WITH NO MORE THAN 5% PASSING A #200 SIEVE.
- SELECT BACKFILL SHALL BE FREE-DRAINING, WELL GRADED SAND/GRAVEL AND SHALL MEET OR EXCEED THE REQUIREMENTS BELOW. MIRAFI 140N OR APPROVED EQUAL FILTER FABRIC SHALL BE PLACED BETWEEN ALL INTERFACES OF DRAINAGE MATERIAL AND VIRGIN AND/OR SILTY MATERIALS. EXPOSED DRAINAGE STONE SHALL BE PROTECTED FROM FINE SOIL MIGRATION THROUGHOUT CONSTRUCTION.
- ALL BACKFILL AND FOUNDATION SOIL SHALL BE COMPACTED TO 95% OF STANDARD PROCTOR (ASTM D698). ONLY HAND-OPERATED COMPACTION EQUIPMENT SHALL BE ALLOWED WITHIN 3 FEET OF THE BACK OF THE WALL BLOCKS. BACKFILL AND COMPACT THE FILL MATERIAL BEHIND THE WALL AS THE WALL IS INSTALLED. SPREAD BACKFILL IN UNIFORM LIFTS NOT EXCEEDING 8 INCHES. COMPACTION TESTS SHALL BE TAKEN AS THE WALL IS INSTALLED. CONTRACTOR SHALL ENSURE THAT FOUNDATION SOIL IS CAPABLE OF SUPPORTING THE WALL.
- THE FOLLOWING SOIL PROPERTIES WERE USED IN THE DESIGN:
 

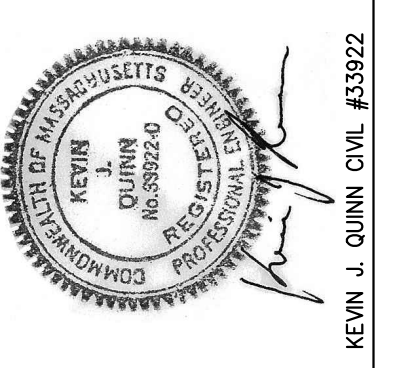
RETAINED SOIL	SOIL WEIGHT [PSF]	FRICITION ANGLE [DEG]
FOUNDATION SOIL	120	34
FOUNDATION SOIL	120	34
LEVELING PAD	120	40
- ENSURE THAT THE FIRST COURSE OF WALL UNITS IS IN FULL CONTACT WITH FOUNDATION. INSTALL NEXT COURSE OF UNITS SUCH THAT THE VERTICAL GAPS ARE STAGGERED BETWEEN ADJACENT COURSES. GAPS SHALL BE FILLED WITH FREE-DRAINING GRAVEL PRIOR TO STARTING THE NEXT COURSE.
- CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT EXCAVATIONS ARE STABLE AND MEET OSHA REQUIREMENTS.
- PROPOSED LAYOUT MUST BE FIELD VERIFIED BY THE CONTRACTOR BEFORE CONSTRUCTION. DESIGN BASED ON APPROXIMATE FIELD MEASUREMENTS FOR ESTIMATING PURPOSES.

**CSHEA** CONCRETE PRODUCTS  
773 Salem Street, Wilmington, MA 01887  
87 Haverhill Road, P.O. Box 807, Amherst, MA 01913  
160 Old Turnpike Road, Nottingham, NH 03290  
800-698-7432 (SHEA)  
www.csheaconcrete.com

BOON LAKE STOW MA  
PRELIMINARY DESIGN NOT FOR CONSTRUCTION  
SCALE 1/8" = 1'  
L.C. 8-13-2020

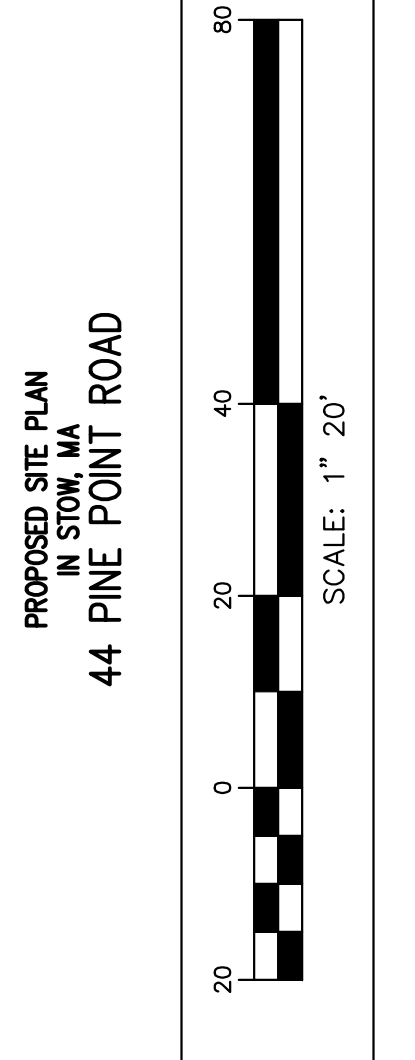


NO.	REVISION	DATE
3	REVISED PER CON COM & BOH	11/17/20
2	REVISED PER CON COM & BOH	11/12/20
1	REVISED PER BOH & ZBA	8/24/20



OWNER: MARY JANE CRAMER  
52 FLINT DRIVE  
MARLBORO MA, 01752

APPLICANT: FRANK & MARY JANE CRAMER  
MARLBORO MA, 01752



**QUINN ENGINEERING, INC.**  
P.O. Box 107  
Paxton, Massachusetts 01612  
(508)753-7999 Fax: (508)795-0939

DATE: FEBRUARY 7, 2020  
TYPICAL DETAILS  
44 PINE POINT ROAD  
SHEET 5 OF 5