

PERCOLATION TEST RESULTS			
TEST HOLE - A		TEST HOLE - B	
DATE: 4/27/05	DEPTH: 48"	DATE: 4/27/05	DEPTH: 48"
SOAK 10:25	SOAK 12:05		
12" 10:40	12" 12:20		
11" X	11" 12:22		
10" X	10" 12:24		
9" 10:47	9" 12:27		
8" 10:50	8" 12:30		
7" 10:53	7" 12:34		
6" 10:56	6" 12:38		
RATE: 3 M.P.I.	RATE: 4 M.P.I.		

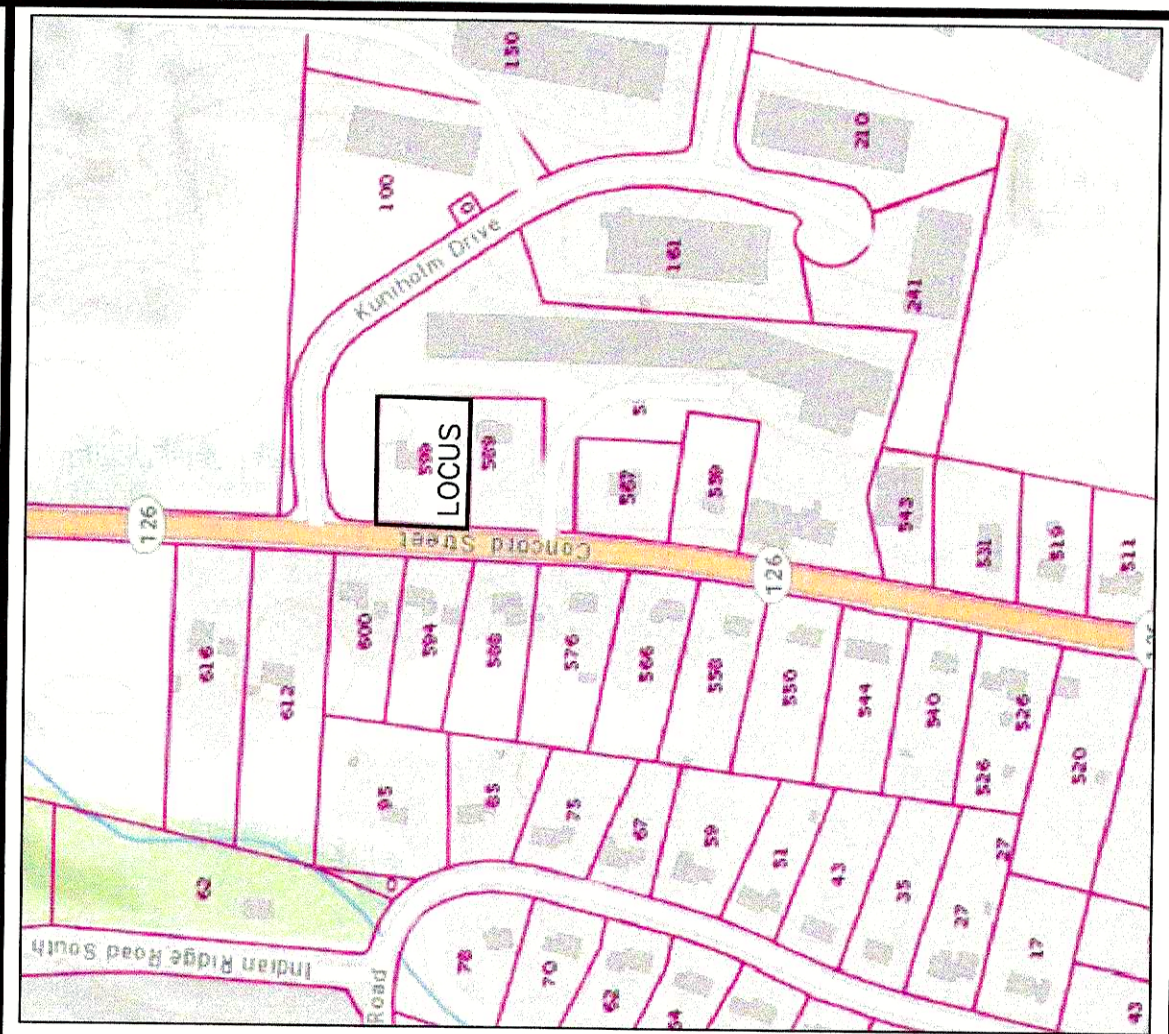
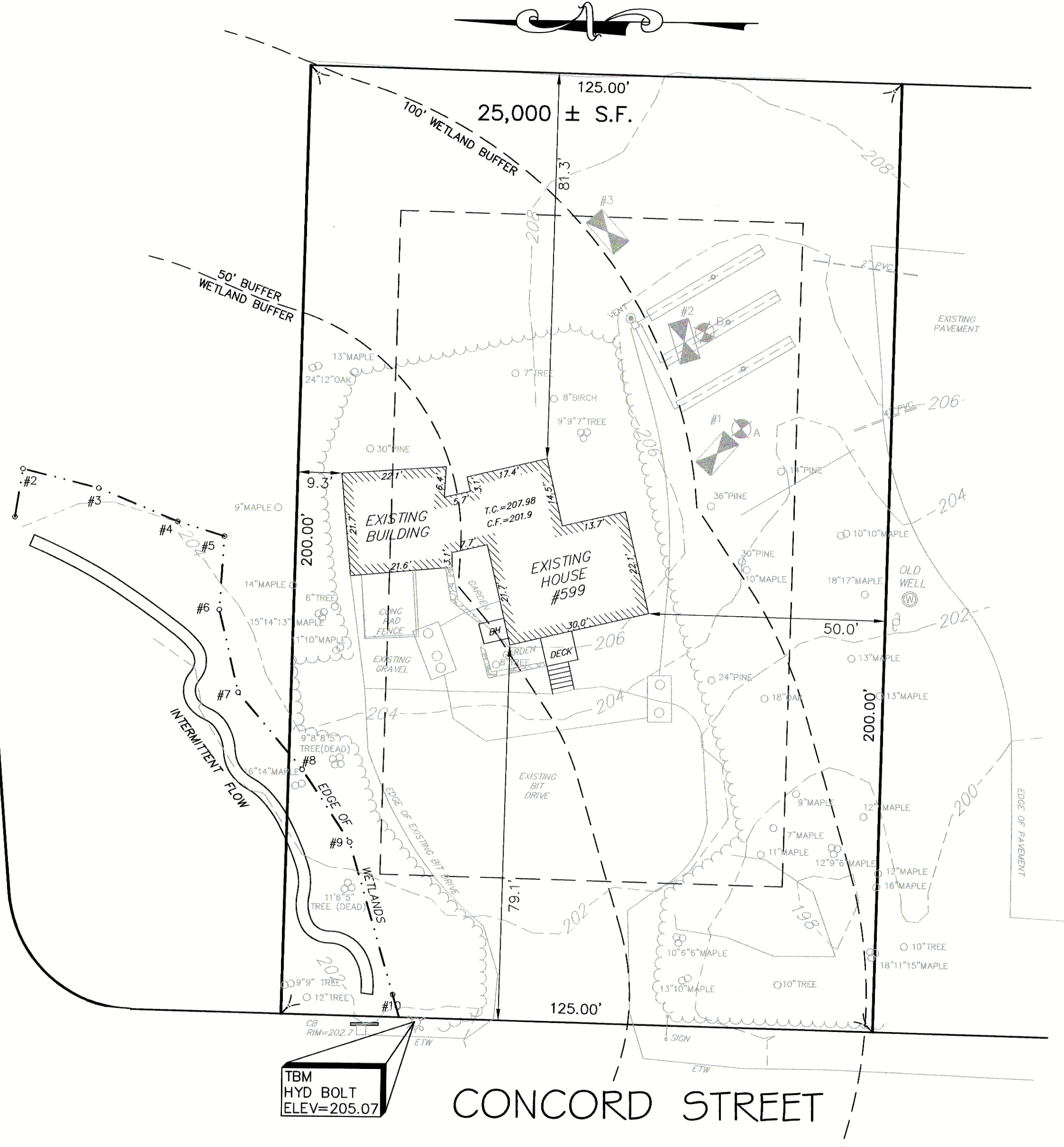
DEEP OBSERVATION HOLE LOGS

DEEP HOLE - 1		DEEP HOLE - 2		DEEP HOLE - 3	
HORIZ. DEPTH	DATE: 4/27/05	HORIZ. DEPTH	DATE: 4/27/05	HORIZ. DEPTH	DATE: 4/27/05
0"	A LOAM 10YR3/2	0"	A LOAM 10YR3/2	0"	A LOAM 10YR3/2
12"		12"		12"	
24"	Bw SANDY LOAM 10YR5/6	24"	Bw SANDY LOAM 10YR5/6	24"	Bw SANDY LOAM 10YR5/6
	fine, few boulders		fine, few boulders		
48"	C1 LOAMY SAND 2.5Y5/4	48"	C1 LOAMY SAND 2.5Y5/4		
	medium, firm, 30% gravel, stones & boulders		medium, firm, 30% gravel, stones & boulders		fine, few boulders
108"	C2 LOAMY SAND 2.5Y5/4	104"	C2 LOAMY SAND 2.5Y5/4	84"	C1 LOAMY SAND 2.5Y5/4
72"	GROUNDWATER OBSERVED	72"	GROUNDWATER OBSERVED	60"	GROUNDWATER OBSERVED
48"	SOIL MOTTLING	48"	SOIL MOTTLING	48"	SOIL MOTTLING
	GROUNDWATER MONITORED		GROUNDWATER MONITORED		GROUNDWATER MONITORED
48"	ESTIMATED SEASONAL HIGH GROUNDWATER	48"	ESTIMATED SEASONAL HIGH GROUNDWATER	48"	ESTIMATED SEASONAL HIGH GROUNDWATER

CERTIFIED SOIL EVALUATOR : JOSEPH M. NIHILL
WITNESSED BY B.O.H. AGENT : WILLIAM DOMEY
DESIGN PERCOLATION RATE : 4 MINUTES/INCH
SOIL CLASSIFICATION: CLASS 2

GROUND WATER ADJUSTMENT USED : 0

KUNIHOLM DRIVE



LOCUS MAP
(NTS)

ASSESSOR'S REFERENCE:
MAP 14, BLOCK 4, LOT 6

DEED REFERENCE:
MIDDLESEX COUNTY REGISTRY OF DEEDS
Bk. 78167, Pg. 511

OWNER OF RECORD:
TONY CRUZ
CRUZ SOLUTIONS INC.
62 WHITNEY AVENUE
FRAMINGHAM, MA 01746

ZONING CLASSIFICATION:
INDUSTRIAL
MIN. LOT SIZE = 20,000 S.F.
MIN. FRONTAGE = 100'
MIN. LOT DEPTH = 150'

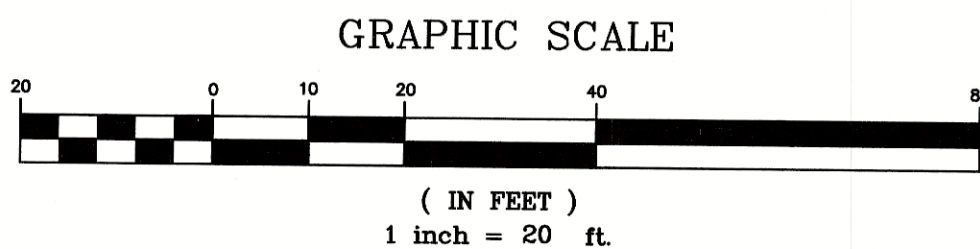
MIN. SETBACK REQUIREMENTS:
FRONT SET BACKS = 30'
SIDE SETBACKS = 20'
REAR SETBACKS = 30'
MAX. HEIGHT = 40'
MAX. % LOT COVERAGE = 40%
FLOOR AREA RATIO = 0.5

PLAN REFERENCE :
MIDDLESEX COUNTY REGISTRY OF DEEDS
PLAN NO. 1698 OF 1958

EXISTING CONDITIONS PLAN

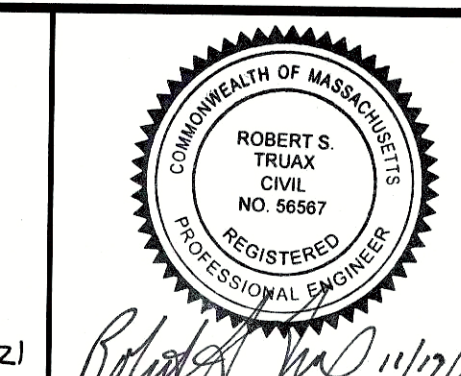
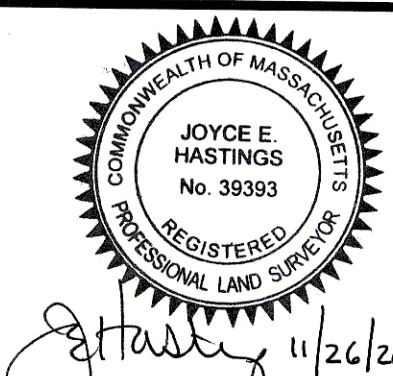


NOTE: IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION. DIGSAFE IS TO BE NOTIFIED 72 WORKING HOURS IN ADVANCE OF CONSTRUCTION. DIGSAFE 1-888-344-7233



REVISIONS		
No.	DATE	DESCRIPTION
1	11/17/2021	Drainage

FLD.: SM, DD
DRW.: CNG
CHKD.: JEH



GLM Engineering Consultants, Inc.
19 EXCHANGE STREET
HOLLISTON, MA 01746
P: 508-429-1100 F: 508-429-7160
www.GLMengineering.com

PROPOSED ADDITION PLAN
599 CONCORD STREET
HOLLISTON, MASSACHUSETTS
FOR
TONY CRUZ
62 WHITNEY STREET
FRAMINGHAM, MA

JOB No. 17,066
DATE: 10/12/21
SCALE: 1"=20'
SHEET: 1 of 2
PLAN #: 27,505

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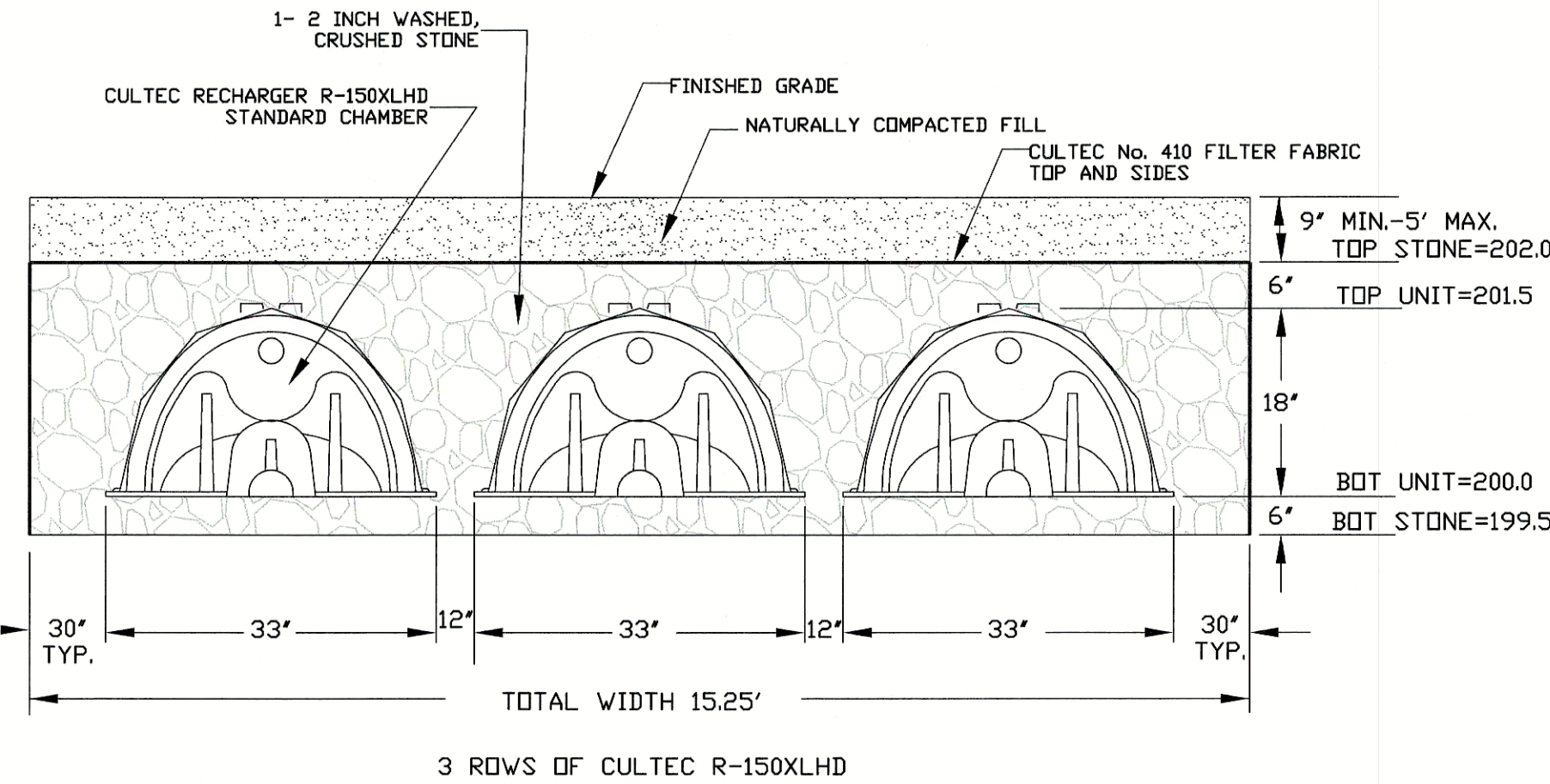
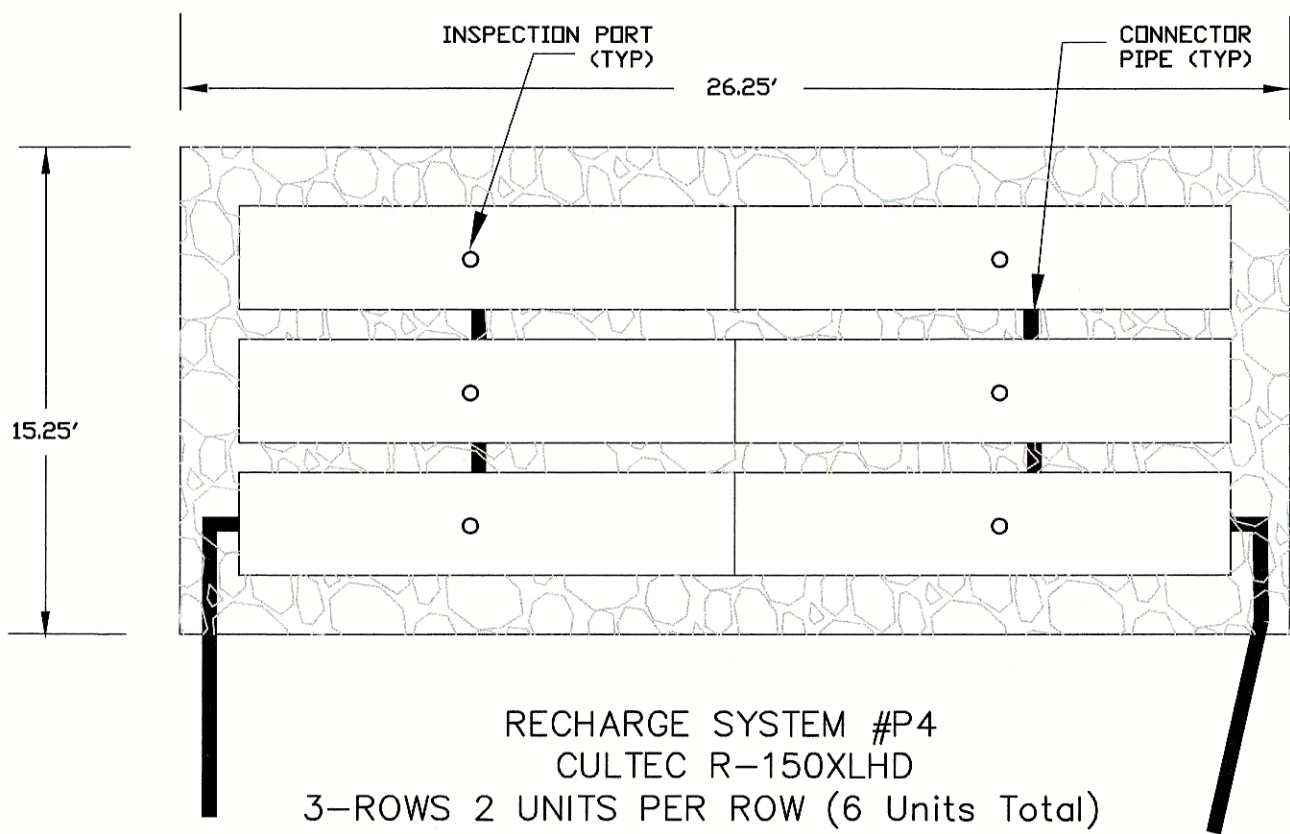
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LOT COVERAGE
EXISTING = 1,450 S.F. = 5.8%
PROPOSED = 3,027 S.F. = 12.1%

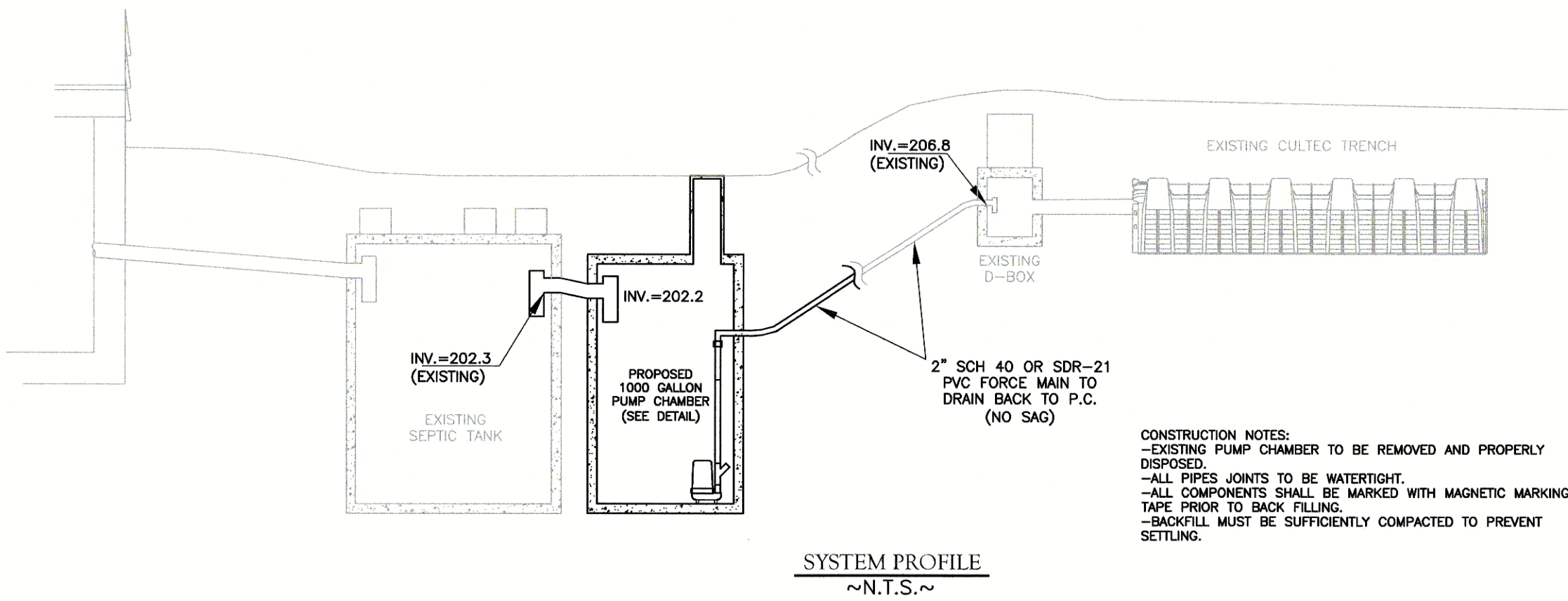
IMPERVIOUS LOT COVERAGE
EXISTING BUILDING = 1,450 S.F.
EXISTING DRIVEWAY = 3,554 S.F.
TOTAL EXISTING IMPERVIOUS = 5,004 S.F.

PROPOSED BUILDINGS = 3,027 S.F.
PROPOSED DRIVEWAY = 3,099 S.F.
TOTAL PROPOSED IMPERVIOUS = 6,126 S.F.
INCREASE IN IMPERVIOUS AREA= 1,122 S.F.

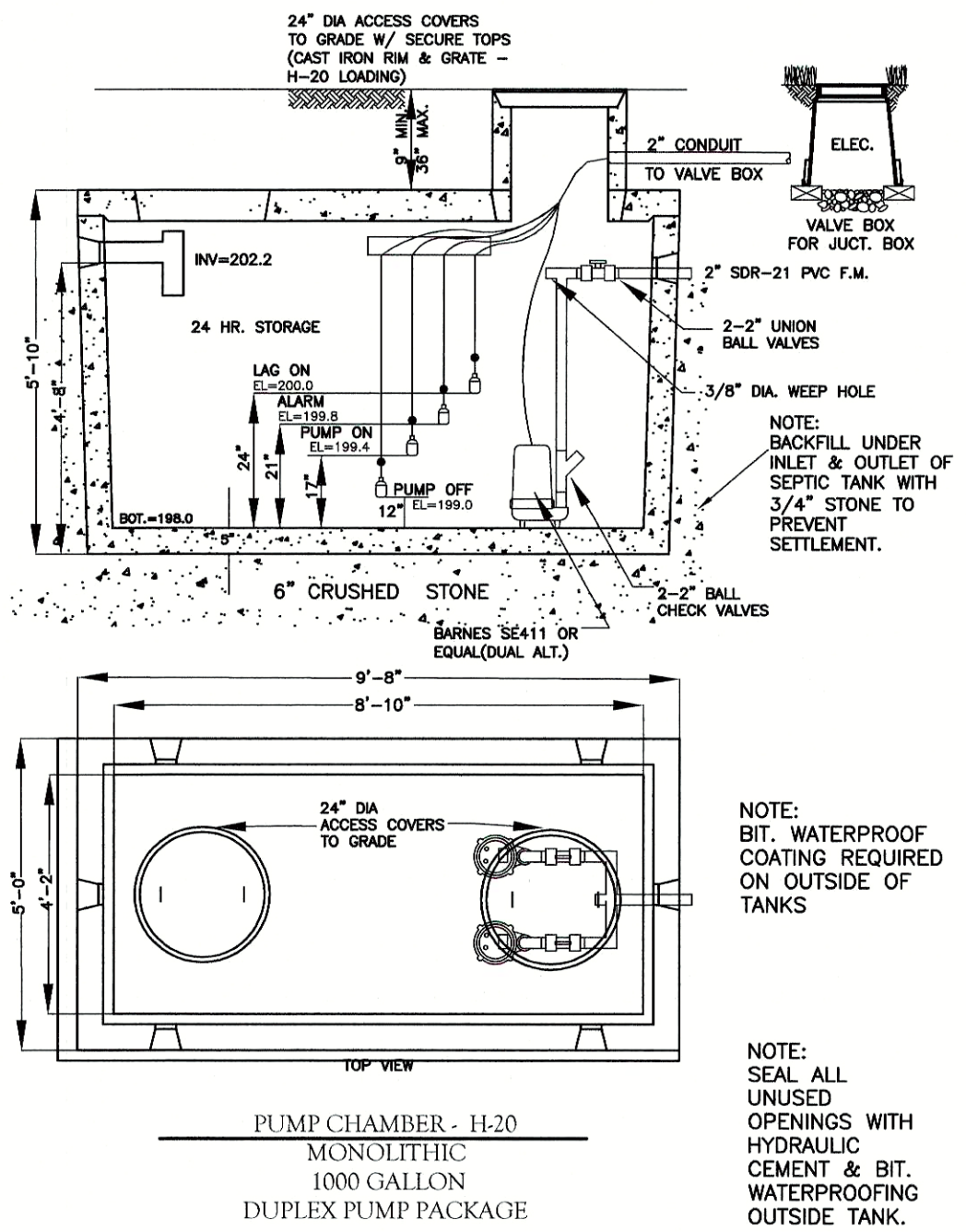
MITIGATION - SURFACE AREA OF ROOF
INFILTRATION = 3,027 S.F.



NOTE:
ALL ROOF AREA FROM PROPOSED
GARAGE TO BE DIRECTED TO
PROPOSED INFILTRATION SYSTEM.



CONSTRUCTION NOTES:
- EXISTING PUMP CHAMBER TO BE REMOVED AND PROPERLY
DISPOSED.
- ALL PIPES JOINTS TO BE WATERTIGHT.
- ALL COMPONENTS SHALL BE MARKED WITH MAGNETIC MARKING
TAPE PRIOR TO BACK FILLING.
- BACKFILL MUST BE SUFFICIENTLY COMPACTED TO PREVENT
SETTLING.



NOTE:
BIT, WATERPROOF
COATING REQUIRED
ON OUTSIDE OF
TANKS

NOTE:
SEAL ALL
UNUSED
OPENINGS WITH
HYDRAULIC
CEMENT & BIT.
WATERPROOFING
OUTSIDE TANK.

X - DENOTES TREE TO BE REMOVED
TREES TO BE REMOVED - 6", 9", 9", 7", 9", 7", 11", 10", 15", 14",
13", 30", 24", 18", 11"

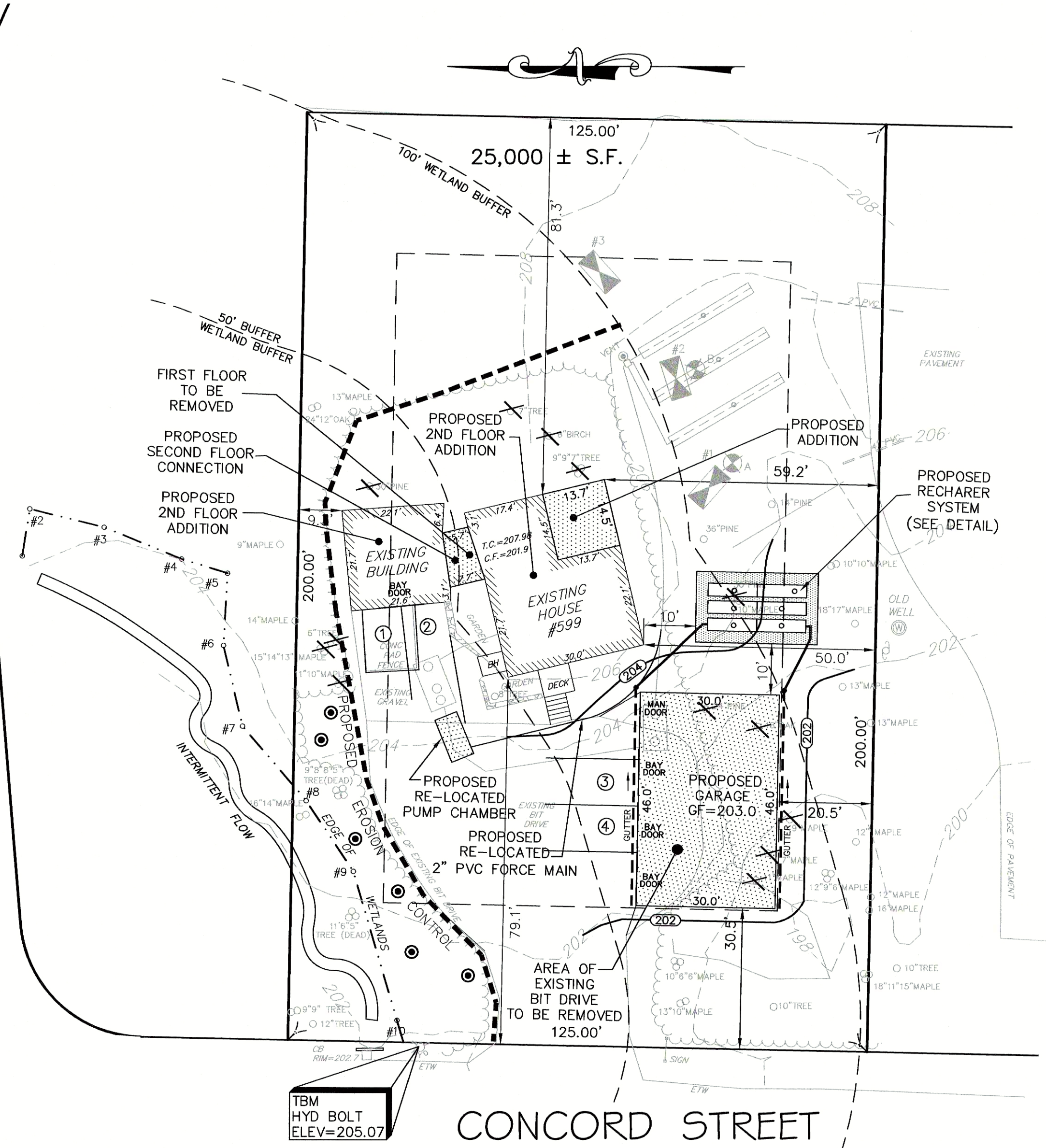
PLANTING SCHEDULE

SPECIES WILL BE CHOSEN FROM THE FOLLOWING LIST (OR OTHER
SPECIES AS APPROVED BY HCC STAFF PRIOR TO INSTALLATION):

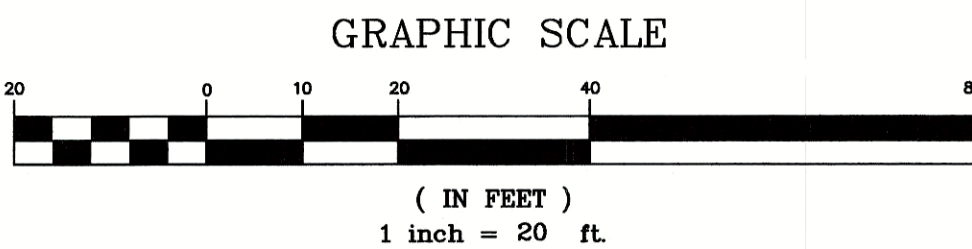
- (6) TREES (1-INCH CALIPER)
- RED MAPLE (Acer rubrum)
- GRAY BIRCH (Betula populifolia)
- SUGAR MAPLE (Acer saccharum)
- SWAMP WHITE OAK (Quercus bicolor)
- BLACK GUM (Nyssa sylvatica)

THE TREES WILL BE WATERED AS NECESSARY AFTER PLANTING.

PROPOSED ADDITION PLAN

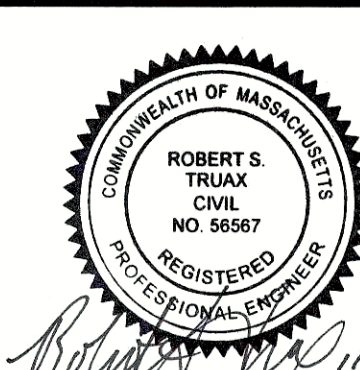


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