

PERCOLATION TEST RESULTS			
TEST HOLE - A		TEST HOLE - B	
DATE: 4/27/05		DATE: 4/27/05	
DEPTH: 48"		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	
DATE	4/27/05
SOIL DESCRIPTION	
0"	A LOAM 10/15/2
12"	Bw SANDY LOAM 10/15/2
24"	C1 LOAMY SAND 2.5/5/4
48"	medium, firm, 30% gravel, stones & boulders
108"	C2 LOAMY SAND 2.5/5/4
72"	GROUNDWATER MONITORED
48"	SOIL NOTTING
48"	ESTIMATED SEASONAL HIGH GROUNDWATER

DEEP HOLE - 2	
DATE	4/27/05
SOIL DESCRIPTION	
0"	A LOAM 10/15/2
12"	Bw SANDY LOAM 10/15/2
24"	C1 LOAMY SAND 2.5/5/4
48"	medium, firm, 30% gravel, stones & boulders
104"	C2 LOAMY SAND 2.5/5/4
72"	GROUNDWATER MONITORED
48"	SOIL NOTTING
48"	ESTIMATED SEASONAL HIGH GROUNDWATER

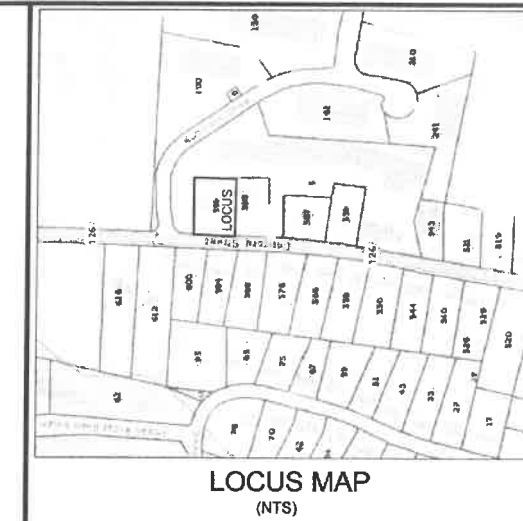
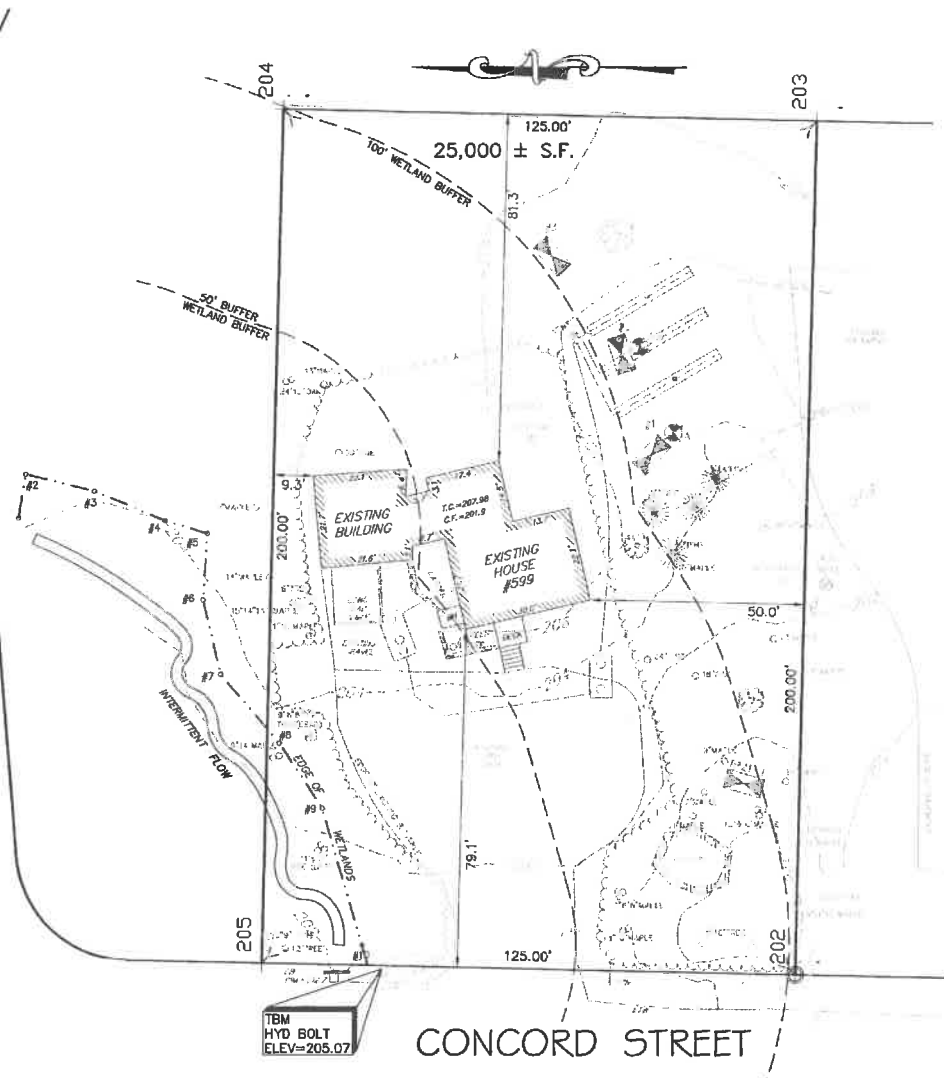
DEEP HOLE - 3	
DATE	4/27/05
SOIL DESCRIPTION	
0"	A LOAM 10/15/2
12"	Bw SANDY LOAM 10/15/2
24"	C1 LOAMY SAND 2.5/5/4
48"	medium, firm, 30% gravel, stones & boulders
84"	C1 LOAMY SAND 2.5/5/4
60"	GROUNDWATER MONITORED
48"	SOIL NOTTING
48"	ESTIMATED SEASONAL HIGH GROUNDWATER

DEEP HOLE - 21-1	
DATE	11/13/21
SOIL DESCRIPTION	
0"	A LOAM 10/15/2
12"	Bw SANDY LOAM 10/15/2
28"	C1 LOAMY SAND 2.5/5/4
64"	medium, firm, 30% gravel, stones & boulders
80"	GROUNDWATER MONITORED
32"	SOIL NOTTING
32"	ESTIMATED SEASONAL HIGH GROUNDWATER

CERTIFIED SOIL EVALUATOR : JOSEPH M. MICHILL
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

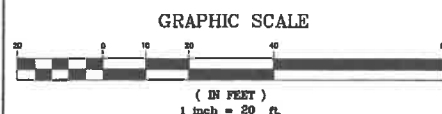


ASSESSOR'S REFERENCE:
MAP 14, BLOCK 4, LOT 6
DEED REFERENCE:
MIDDLESEX COUNTY REGISTRY OF DEEDS
Bk. 78167, Pg. 511
OWNER OF RECORD:
TONY CRUZ
CRUZ SOLUTIONS INC.
62 WHITNEY AVENUE
FRAMINGHAM, MA 01746
ZONING CLASSIFICATION:
INDUSTRIAL
MIN. LOT SIZE = 20,000 S.F.
MIN. FRONTAGE = 100'
MIN. LOT DEPTH = 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



4/2022

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

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. 1998 OF 1958

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.

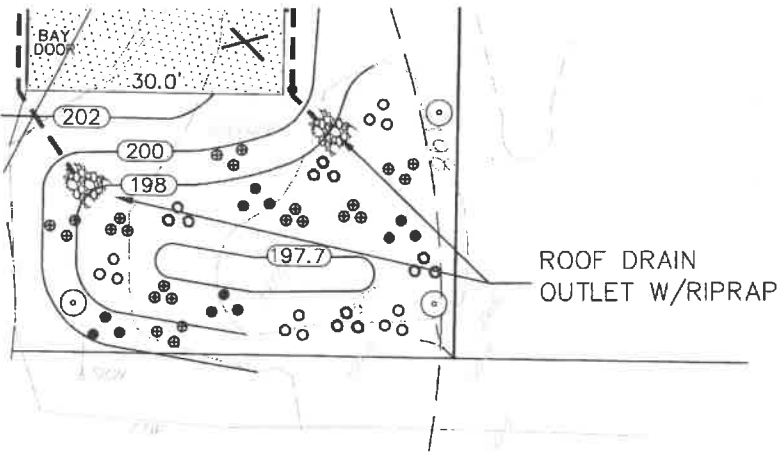
PROPOSED BUILDINGS = 3,027 S.F.
PROPOSED DRIVEWAY = 3,099 S.F.
TOTAL PROPOSED IMPERVIOUS = 6,126 S.F.
INCREASE IN IMPERVIOUS AREA = 1,122 S.F.

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

PLANTING LEGEND FOR DETENTION BASIN

QTY.	SYM.	DESCRIPTION
12	○	Highbush Blueberry <i>Vaccinium corymbosum</i>
12	⊕	Witch Hazel <i>Hamamelis virginiana</i>
12	●	Maple-leaved viburnum <i>Viburnum acerifolium</i>
12	⊗	Flowering dogwood <i>Cornus florida</i>
12	○	Serviceberry <i>Amelanchier canadensis</i>
3	⊙	Red Maple, <i>Acer Rubrum</i> 1½" Cal.

Note:
Shrubs will be planted in clusters of three (3) specimens of the same species at the locations shown, with minor deviations due to site conditions.

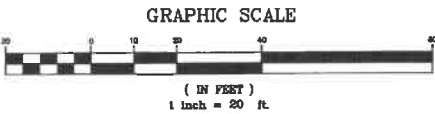


PLANTING PLAN FOR DETENTION BASIN

SCALE: 1"=10'



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

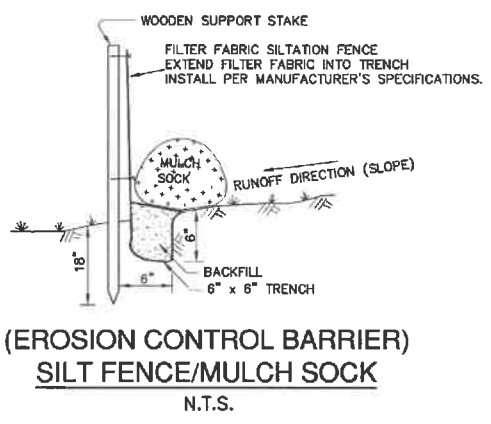
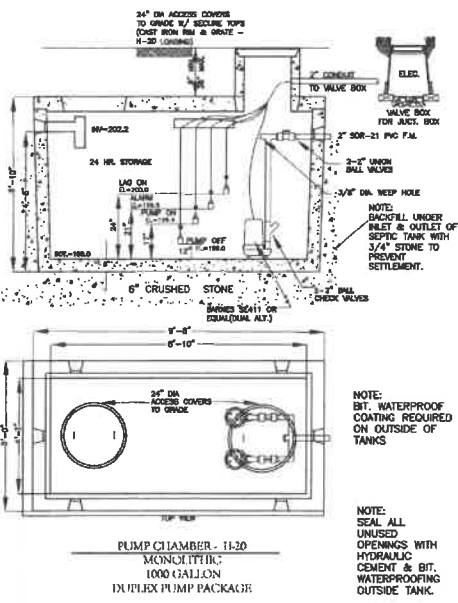
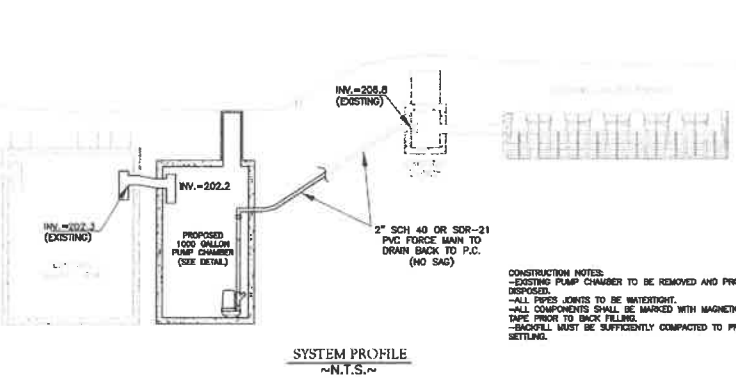
FLD.: SM, DD
DRW.: CNG
CHKD.: JEH



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: 2 of 2
PLAN #: 27,505



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