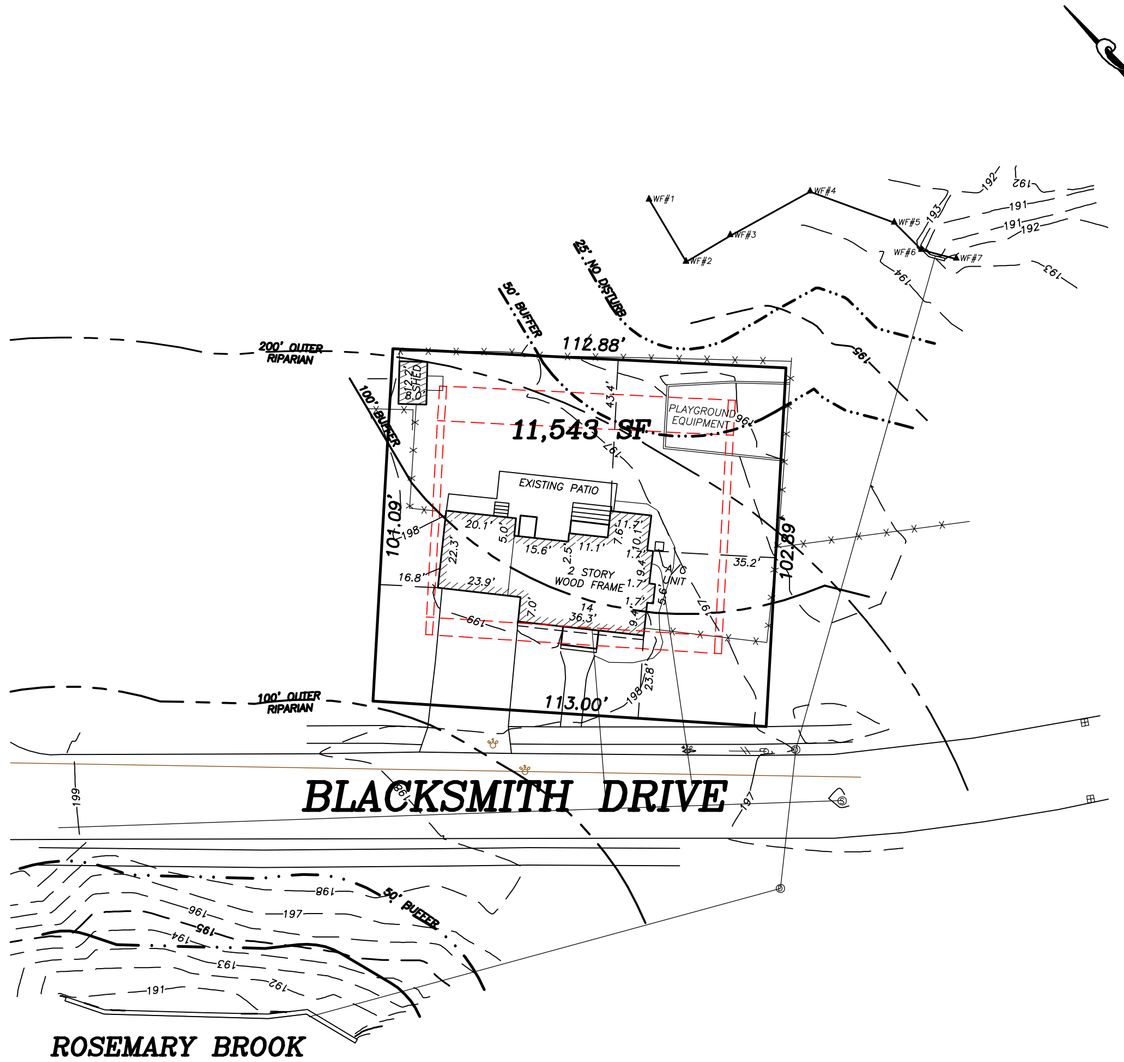
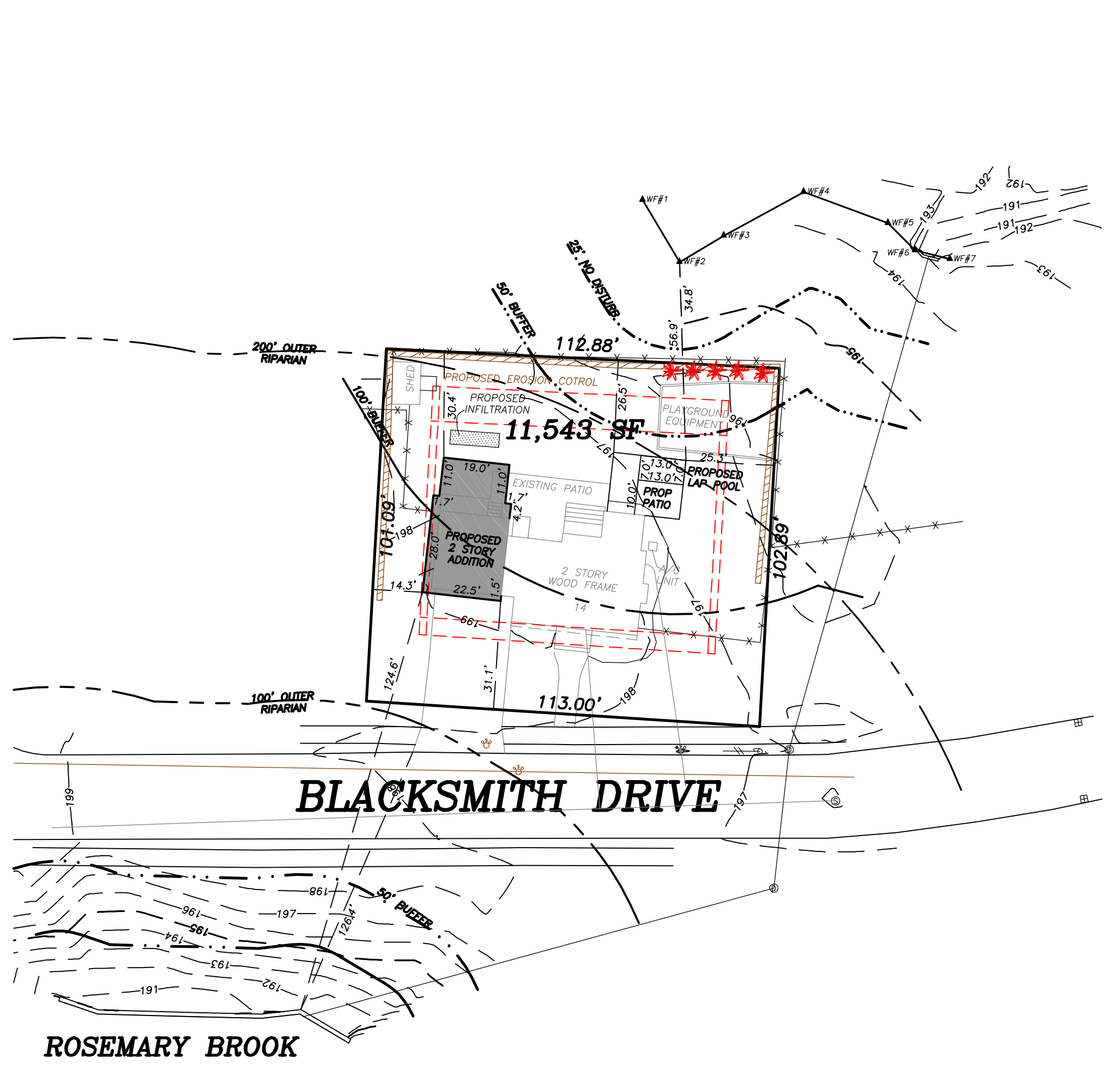
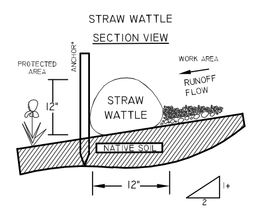
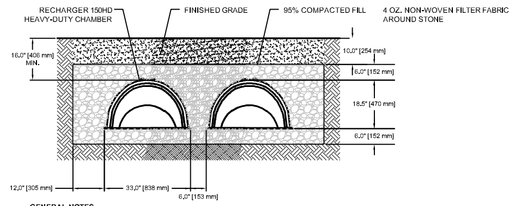


(EXISTING)



(PROPOSED)

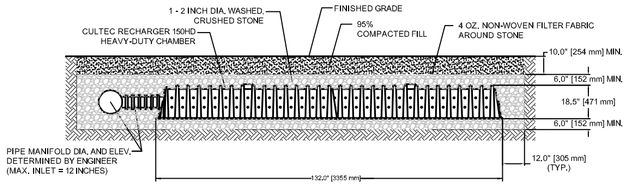




GENERAL NOTES

RECHARGER 150HD BY CULTEC, INC. OF BROOKFIELD, CT. STORAGE PROVIDED = 4.89 CF/FT PER DESIGN UNIT. REFER TO CULTEC, INC'S CURRENT RECOMMENDED INSTALLATION GUIDELINES. USE RECHARGER 150HD HEAVY-DUTY FOR TRAFFIC AND/OR H20 APPLICATIONS.

ALL RECHARGER 150HD HEAVY-DUTY UNITS ARE MARKED WITH A COLOR STRIPE FORMED INTO THE PART ALONG THE LENGTH OF THE CHAMBER.
ALL RECHARGER 150 CHAMBERS MUST BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS.



INFILTRATION SYSTEM DETAILS

NOT TO SCALE

ZONING INFORMATION: SINGLE RESIDENCE B (SRB)

	REQUIRED	EXISTING	PROPOSED
MINIMUM LOT AREA	10,000 SF	11,543 SF	11,543 SF
MINIMUM LOT FRONTAGE	80 FEET	113 FEET	113 FEET
MINIMUM FRONT SETBACK	20 FEET (25 FEET FOR GARAGE)	23.8 FEET (32.5 FEET TO GARAGE)	23.8 FEET (31.1 FEET TO GARAGE)
MINIMUM SIDE YARD	14 FEET*	16.8 FEET*	14.3 FEET
		35.2 FEET	35.2 FEET
MINIMUM REAR YARD	20 FEET	43.4 FEET	30.4 FEET
MAXIMUM BUILDING COVERAGE	25% (2,886 SF)	14.3% (1,648 SF)	17.7% (2,037 SF
MAXIMUM BUILDING HEIGHT	35 FEET	N/A	N/A
MAXIMUM BUILDING HEIGHT	2 1/2 STORIES	2 STORY	NO CHANGE

*MAXIMUM OF 32 LINEAR FEET OF THE BUILDING MAY BE BUILT AT MINIMUM SETBACK THE REMAINDER MUST BE AT LEAST 2 ADDITIONAL FEET. MINIMUM SIDE YARD SET TO 12 FEET DUE TO NON CONFORMING FRONTAGE.

PROPOSED BUILDING FOOTPRINT = 389.4 SF

(389.4 S.F. X 1") / 12 = 32.5 Cu. Ft.

MITIGATED WITH 1 CULTEC CONTRACTOR 150 HDXL
RECHARGER DRYWELL CHAMBERS (OR SUITABLE REPLACEMENT)
CAPACITY OF 53.79 CU FT EACH.(11 x 4.89 CU FT)
RECHARGE WILL MITIGATE COMPLETELY FOR A 1" STORM FOR THE PROPOSED FOOTPRINT
SEE DRYWELL DETAIL FOR SPECIFICATIONS
AND PLAN FOR LOCATIONS. LOCATIONS AS SHOWN.

PROPOSED PLANTINGS

Vaccinium corymbosum L. Highbush Blueberry

I CERTIFY THAT THE PARCEL SHOWN HEREON LIES WITHIN A ZONE "X", AREAS OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN. AS SHOWN ON THE FLOOD INSURANCE RATE MAP FOR THE TOWN OF NEEDHAM, MASSACHUSETTS, COMMUNITY PANEL NO. 255215 0036 E, MAP NUMBER 25021C 0036 E EFFECTIVE DATE: JULY 17, 2012.

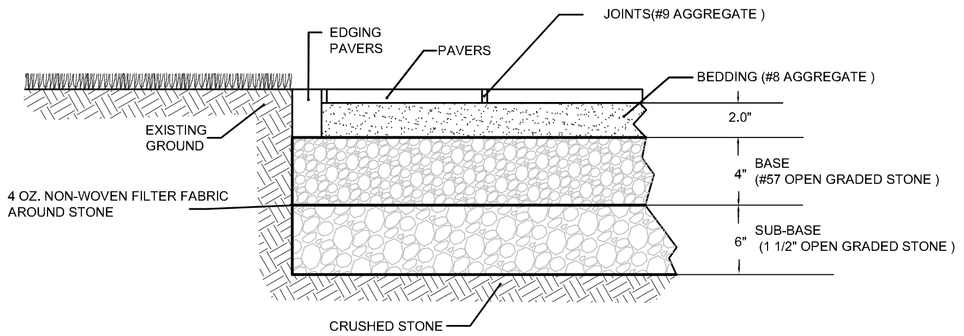
EXISTING IMPERVIOUS WITHIN OUTER RIPARIAN = 3,174.9 S.F.
PROPOSED IMPERVIOUS WITHIN OUTER RIPARIAN = 3789.4 S.F.
INCREASED INPERVIOUS WITHIN OUTER RIPARIAN = 614.4 S.F.

EXISTING IMPERVIOUS WITHIN 100' BUFFER = 1614.8 S.F.
PROPOSED IMPERVIOUS WITHIN 100' BUFFER = 2153.1 S.F.
INCREASED IMPERVIOUS WITHIN 100' BUFFER = 538.2 S.F.

EXISTING IMPERVIOUS WITHIN 25' NO DISTURB = 0.0 S.F.
PROPOSED IMPERVIOUS WITHIN 25' NO DISTURB = 0.0 S.F.
INCREASED IMPERVIOUS WITHIN 25' NO DISTURB = 0.0 S.F.

(387.3 S.F. X 1") / 12 = 32.8 Cu. Ft.

MITIGATED WITH 1 CULTEC CONTRACTOR 150 HDXL
RECHARGER DRYWELL CHAMBERS (OR SUITABLE REPLACEMENT)
CAPACITY OF 53.79 CU FT EACH.
RECHARGE WILL MITIGATE COMPLETELY FOR THE ADDITIONAL PROPOSED FOOTPRINT
SEE DRYWELL DETAIL FOR SPECIFICATIONS
AND PLAN FOR LOCATIONS. LOCATIONS AS SHOWN MAY BE ADJUSTED AFTER SOIL TEST PITS ARE PERFORMED PRIOR TO CONSTRUCTION.



PERVIOUS WALK/PATIO DETAIL

NOT TO SCALE

PROPERTY REFERENCE

OWNER : TIMOTHY HARTSHORN AND ANGELA DEPAUL
BOOK 34732, PAGE 33
MAP 130 PARCEL 0002

GRAPHIC SCALE

30 0 15 30 60

COMMONWEALTH OF MASSACHUSETTS
BRADLEY J. SIMONELLI #47581
PROFESSIONAL LAND SURVEYOR

CERTIFIED PLOT PLAN
SHOWING PROPOSED ADDITION
14 BLACKSMITH DRIVE
NEEDHAM, MASS.

Field Resources, Inc.
LAND SURVEYORS

APRIL 26, 2021 SCALE 1"=30'

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781 444 5936

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