

STUDY POINT #3	
STORM EVENT	PEAK RATE
2-YR STORM	0.08 CFS
10-YR STORM	0.82 CFS
25-YR STORM	2.29 CFS

STUDY POINT #2	
STORM EVENT	PEAK RATE
2-YR STORM	0.08 CFS
10-YR STORM	0.82 CFS
25-YR STORM	1.52 CFS

STUDY POINT #1	
STORM EVENT	PEAK RATE
2-YR STORM	0.07 CFS
10-YR STORM	0.58 CFS
25-YR STORM	1.14 CFS

FLOOD ZONE LINE
(TYPICAL)

SCS - 52A
FREETOWN MUCK
HSG B/D

R-3
TOTAL=346± S.F.
IMPERVIOUS ROOF=346± S.F.
CN=98
TC=6.0

E-1
TOTAL=22,922± S.F.
IMPERVIOUS (HSG A)= 13,950± S.F.
GRAVEL (HSG A)=4,096± S.F.
WOODS (HSG C)=3,284± S.F.
GRASS (HSG A)=509± S.F.
GRASS (HSG C)=672± S.F.
CN=91
TC=10.2

BOSTON STREET
(PUBLIC - 66' WIDE - ROUTE 1)
(1922 MASSACHUSETTS DEPARTMENT OF PUBLIC WORKS LAYOUT)

R-1
TOTAL=787± S.F.
IMPERVIOUS ROOF=787± S.F.
CN=98
TC=6.0

R-2
TOTAL=49,278± S.F.
IMPERVIOUS (HSG A)= 3,550± S.F.
GRASS (HSG A)=7,582± S.F.
GRASS (HSG C)=1,887± S.F.
WOODS (HSG A)=24,087± S.F.
WOODS (HSG D)=6,083± S.F.
CN=53
TC=12.0

E-3
TOTAL=180,525± S.F.
WOODS (HSG A)=76,402± S.F.
WOODS (HSG B)=13,713± S.F.
WOODS (HSG C)=15,503± S.F.
GRASS (HSG A)=67,450± S.F.
GRASS (HSG C)=7,457± S.F.
CN=41
TC=12.3

E-4
TOTAL=181,751± S.F.
WOODS (HSG A)=44,530± S.F.
WOODS (HSG C)=4,806± S.F.
GRASS (HSG A)=101,870± S.F.
GRASS (HSG C)=30,545± S.F.
CN=43
TC=15.7

SCS - 421C
CANTON FINE SANDY LOAM
(VERY STONY)
HSG C

R-2
TOTAL=346± S.F.
IMPERVIOUS ROOF=346± S.F.
CN=98
TC=6.0

N/F
BARRY MATTHEW
BK.25509/PG.79

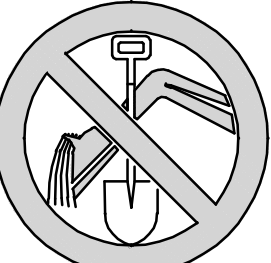
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- SITE IS LOCATED ENTIRELY WITHIN ELDERLY HOUSING DISTRICT (EHD) OVERLAY, KNOWN AS "ROLLING GREEN ELDERLY HOUSING DISTRICT," PER ARTICLE 33 OF ANNUAL AND SPECIAL TOWN MEETING WARRANT FOR FISCAL YEAR 2017, FROM MAY 3, 2016 TOWN MEETING.
- SITE IS LOCATED WITHIN FEMA FLOODPLAIN ZONE A - AREAS SUBJECT TO INUNDATION BY THE 1-PERCENT-ANNUAL-CHANCE FLOOD EVENT AS SHOWN ON FEMA MAP 25009C0266F, EFFECTIVE DATE JULY 3, 2012.

LEGEND:

EX. PROPERTY LINE	—
PRE-DEV. WATERSHED AREA	—
SCS SOILS BOUNDARY	---
WATERSHED NO.	E1
EDGE OF WETLANDS	—
TIME OF CONCENTRATION (T _c)	— T _c —

DIG SAFE



BEFORE YOU DIG
CALL 811 OR
1-888-DIG-SAFE
1-888-344-7233

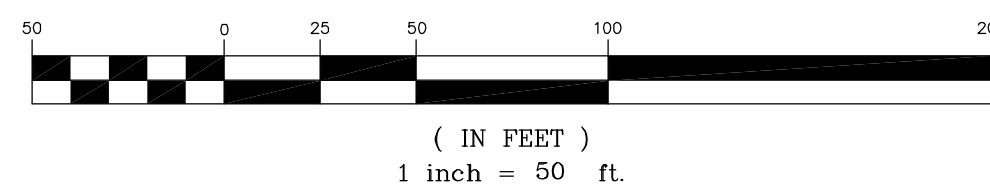
TOWN OF TOPSFIELD, MA SITE PLAN REVIEW AND SPECIAL PERMIT

SITE PLAN AND SPECIAL PERMIT APPROVAL

SIGNATURE

DATE

GRAPHIC SCALE



REVISED PER PEER REVIEW 04-10-2017

PROFESSIONAL ENGINEER FOR
ALLEN & MAJOR ASSOCIATES, INC.

REV	DATE	DESCRIPTION
4	4-10-2017	REVISIONS PER TOWN REQUEST
3	3-16-2017	REVISIONS PER TOWN REQUEST
2	2-27-2017	REVISIONS PER TOWN COMMENTS
1	1-17-2017	REVISED PER PEER REVIEW & TOWN COMMENTS

APPLICANT/OWNER:

SARKIS DEVELOPMENT COMPANY
2 ELM SQUARE
ANDOVER, MA 01810

PROJECT:

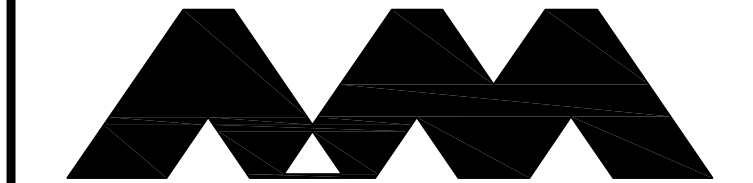
RESIDENTIAL DEVELOPMENT
470 BOSTON STREET (ROUTE 1)
TOPSFIELD, MA

PROJECT NO. 2165-01A DATE: 10-13-2016

SCALE: 1"=50' DWG. NAME: C-2165-01A

DESIGNED BY: DMR CHECKED BY: RB

PREPARED BY:



ALLEN & MAJOR
ASSOCIATES, INC.

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environmental consulting • landscape architecture
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DRAWING TITLE:

EXISTING
WATERSHED PLAN

SHEET No.

EWS

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