



LEGEND - EXISTING WATERSHED PLAN	
EXISTING PROPERTY LINE	—
WATERSHED BOUNDARY	—
Tc FLOW PATH	—
Tc FLOW PATH SEGMENT I.D.	•
SOIL BOUNDARY	—
SOIL DESIGNATION	300B

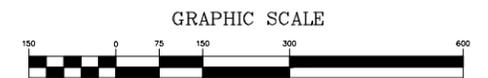
NOTES:

- EXISTING CONDITIONS INFORMATION COMPILED FROM AN ON THE GROUND SURVEY PERFORMED BY S.E. CUMMINGS & ASSOCIATES, INC. OF PLAISTOW, NH AS WELL AS RECORD DOCUMENTS AND SITE OBSERVATION.
- SOILS INFORMATION GENERATED FROM THE NATURAL RESOURCES CONSERVATION SERVICES (NRCS) WEBSOILSURVEY.COM FOR ESSEX COUNTY MASSACHUSETTS, NORTHERN PART - VERSION 8, DATED AUGUST 11, 2008. THE FOLLOWING SOIL SUMMARY IS PROVIDED TO CORRESPOND WITH THE SOIL DESIGNATION PROVIDED ON THE PLAN.

SOIL	DESCRIPTION	HSG
70A	RIDGEBURY FINE SANDY LOAM, 0 TO 3 PERCENT SLOPES	C
73A	WHITMAN LOAM, 0 TO 3 PERCENT SLOPES, EXTREMELY STONY	D
300B	MONTAUK FINE SANDY LOAM, 3 TO 8 PERCENT SLOPES	C
300C	MONTAUK FINE SANDY LOAM, 8 TO 15 PERCENT SLOPES	C
300D	MONTAUK FINE SANDY LOAM, 15 TO 25 PERCENT SLOPES	C
301C	MONTAUK FINE SANDY LOAM, 8 TO 15 PERCENT SLOPES, V. STONY	C
301D	MONTAUK FINE SANDY LOAM, 15 TO 25 PERCENT SLOPES, V. STONY	C
311B	WOODBRIE FINE SANDY LOAM, 0 TO 8 PERCENT SLOPES, V. STONY	C
310B	WOODBRIE FINE SANDY LOAM, 3 TO 8 PERCENT SLOPES	C

3. EXISTING CONDITIONS PEAK DISCHARGE SUMMARY:

DESIGN POINT	2-YR 3.1-IN (CFS)	10-YR 4.5-IN (CFS)	25-YR 5.4-IN (CFS)	50-YR 5.9-IN (CFS)	100-YR 6.5-IN (CFS)
D.P. 1	10.0	20.4	27.6	31.7	36.7
D.P. 2	13.4	25.3	102.0	143.3	189.1
D.P. 3	29.0	60.5	82.6	95.2	110.7



1 inch = 150 ft. HORIZONTAL

EXISTING WATERSHED PLAN

PROJECT: TAX LOT 575-2-8 - CRYSTAL SPRINGS NORTH BROADWAY HAVERHILL, MASSACHUSETTS	
SCALE: AS NOTED	DRAWN BY: JEH
DATE: MAY 10, 2009	REVISED: 1.
APPLICANT: MARONEY CONSTRUCTION 423 EAST BROADWAY HAVERHILL, MA 01830	2. 3. 4. 5.
ENGINEERING SERVICES PROVIDED BY: CIVIL DESIGN Consultants, Inc.	6. 7. 8.
PREPARED BY: S.E.C. & ASSOCIATES, INC.	JOB NO. 08-156.3
SURVEYING & ENGINEERING CONSULTANTS P.O. BOX 1337 - PLAISTOW, NH 03865 ☎ PHONE: (603)-382-5065 ~ SERVING N.H. & MA. ~ FAX: (603)-382-5216	SHEET 1



LEGEND - PROPOSED WATERSHED PLAN

EXISTING PROPERTY LINE	_____
WATERSHED BOUNDARY	_____
Tc FLOW PATH	_____
Tc FLOW PATH SEGMENT I.D.	••
SOIL BOUNDARY	_____
SOIL DESIGNATION	_____

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301C	MONTAUK FINE SANDY LOAM, 8 TO 15 PERCENT SLOPES, V. STONY	C
301D	MONTAUK FINE SANDY LOAM, 15 TO 25 PERCENT SLOPES, V. STONY	C
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310B	WOODBIDGE FINE SANDY LOAM, 3 TO 8 PERCENT SLOPES	C



1 inch = 150 ft. HORIZONTAL

PROPOSED WATERSHED PLAN

PROJECT: **TAX LOT 575-2-8 - CRYSTAL SPRINGS
NORTH BROADWAY
HAVERHILL, MASSACHUSETTS**

SCALE: AS NOTED DRAWN BY: JEH

DATE: MAY 10, 2009 REVISED: 1. 10-14-09

APPLICANT: **MARONEY CONSTRUCTION
423 EAST BROADWAY
HAVERHILL, MA 01830**

ENGINEERING SERVICES PROVIDED BY: **CIVIL DESIGN Consultants, Inc.**
37 PLAISTOW ROAD, UNIT 7 / #235
PLAISTOW, NH 03865-2856
TEL: (603) 275-5369
FAX: (603) 382-1818

PREPARED BY: **S.E.C. & ASSOCIATES, INC.**

SURVEYING & ENGINEERING CONSULTANTS
P.O. BOX 1337 - PLAISTOW, NH 03865 ☎ PHONE: (603)-382-5065
SERVING N.H. & MA. ☎ FAX: (603)-382-5216

JOB NO.
08-1563
SHEET 2