

- LEGEND:**
- OVERLAND FLOW DIRECTION
 - SUBCATCHMENT DIVIDE
 - SOIL TYPE DIVIDE
 - HYDROLOGIC FLOW PATH
 - SUBCATCHMENT
 - DP1 DESIGN POINT
 - 25AB SOIL TYPE
 - HSC HYDROLOGIC SOIL GROUP
 - IP-2 TEST PIT LOCATION

SOILS INFORMATION
DATE: JUL 26, 2019
CONDUCTED BY: MICHAEL CAPPOCCHETTI, SE (13929)

TEST PIT IP-1
ELEV.=187.8±
BOTTOM OF HOLE ELEV.=181.8±
0'-6" H1M
0'-8" H1M
B HORIZON: SANDY LOAM
LAYER C: FINE SANDY LOAM
14'-18" REFUSAL (LEDES)
49" REFUSAL @ 49"
NO REDOX OR WEeping OBSERVED
NO STANDING WATER

TEST PIT IP-2
ELEV.=183.4±
BOTTOM OF HOLE ELEV.=178.2
0'-6" H1M
B HORIZON: LOAMY SAND
LAYER C: GRAVELLY SAND,
18'-86"± W/ COBBLES
NO REDOX OR WEeping OBSERVED
NO STANDING WATER

TEST PIT IP-3
ELEV.=180.0±
BOTTOM OF HOLE ELEV.=180.0
0'-6" H1M
B HORIZON: LOAMY SAND
LAYER C: GRAVELLY SAND,
14'-54"± W/ COBBLES AND BOULDERS
NO REDOX OR WEeping OBSERVED
NO STANDING WATER

TEST PIT IP-4
ELEV.=188.3±
BOTTOM OF HOLE ELEV.=186.3
0'-24" H1M
24" REFUSAL (LEDES)
REFUSAL @ 24"
NO REDOX OR WEeping OBSERVED
NO STANDING WATER

TEST PIT IP-5
ELEV.=184.1±
BOTTOM OF HOLE ELEV.=181.3
0'-4" H1M
LAYER C: LOAMY SAND
4'-34" W/ COBBLES
34" REFUSAL (LEDES)
REFUSAL @ 34"
NO REDOX OR WEeping OBSERVED
NO STANDING WATER

TEST PIT IP-6
ELEV.=184.1±
BOTTOM OF HOLE ELEV.=181.3
0'-4" H1M
LAYER C: LOAMY SAND
4'-36" W/ COBBLES
36" REFUSAL (LEDES)
REFUSAL @ 36"
NO REDOX OR WEeping OBSERVED
NO STANDING WATER

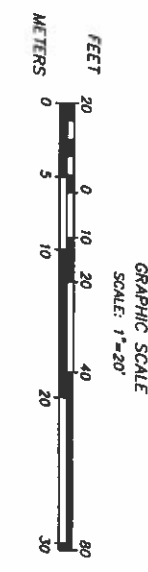
| REVISIONS | | |
|-----------|----------------------------|----|
| DATE | DESCRIPTION | BY |
| 2/5/20 | NO REVISIONS TO THIS SHEET | MC |

**109 REED STREET SUBDIVISION
PRE-DEVELOPMENT DRAINAGE PLAN**
LOCATED IN
LEXINGTON, MASSACHUSETTS
(MIDDLESEX COUNTY)
PREPARED FOR
SHELDON CORP.

MERIDIAN ASSOCIATES
500 CUMMINGS CENTER, SUITE 5950 BEVERLY, MASSACHUSETTS 01915
TELEPHONE: (978) 949-8888 WWW.MERIDIANASSOC.COM
69 MILK STREET, SUITE 302 WESTBOROUGH, MASSACHUSETTS 01581
TELEPHONE: (508) 871-7030

DATE: DECEMBER 4, 2019
SCALE: 1"=20'
SHEET NO. 1 OF 2
PROJECT NO. 6247

DESIGNED BY: _____ CHECKED BY: _____



ASH STREET
(PUBLIC - 50' WID)

REED STREET
(PUBLIC - VARIABLE WIDTH)

DP1

DP2

SC1

SC2

SC3

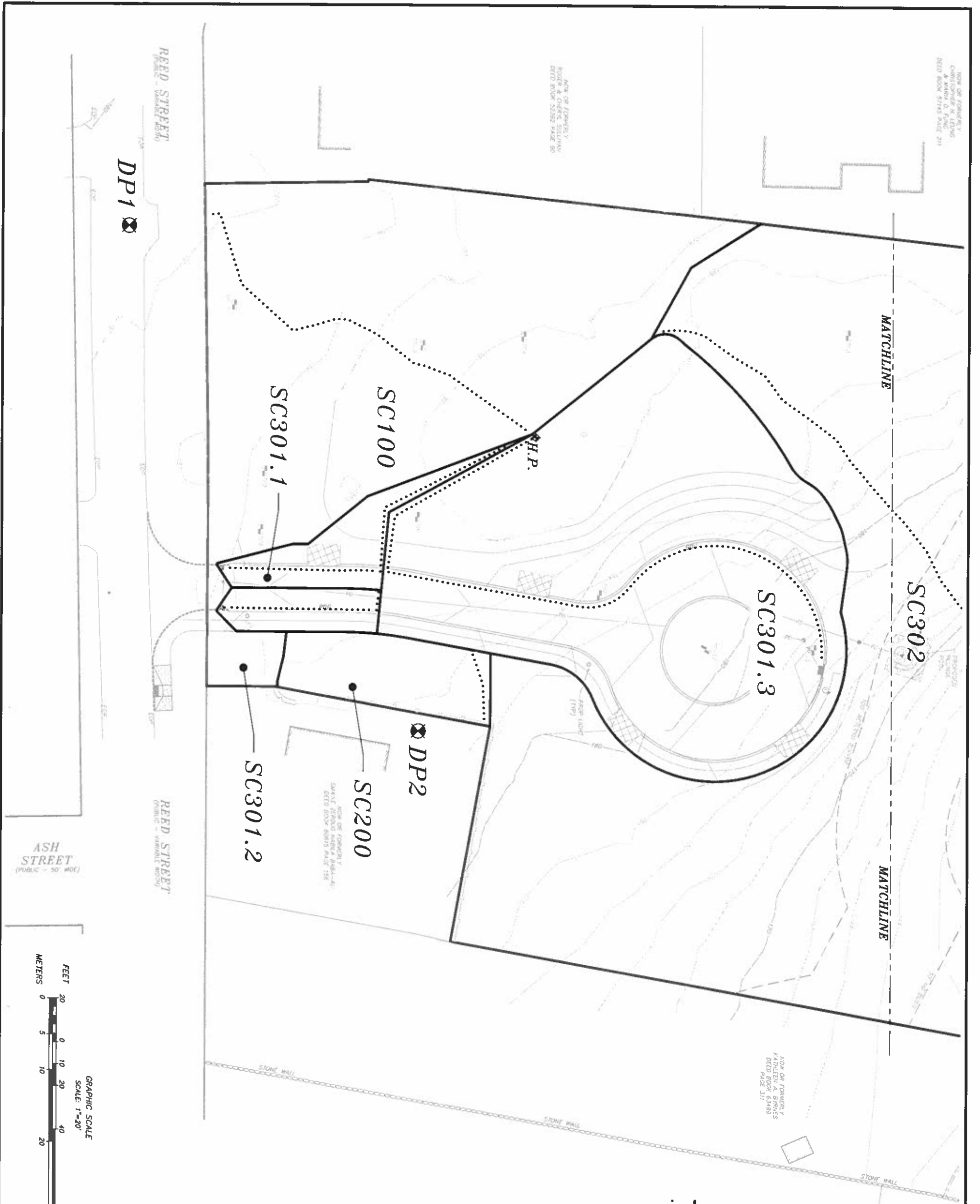
HSC C/D
623C
WOODBRIDGE-URBAN
LAND COMPLEX

HSC A
626B
MERRIMAC-URBAN
LAND COMPLEX

H.P.

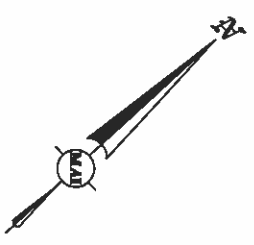
NOW OR FORMERLY
SHARVE ZEROD AVENUE ELEC-ALL
DEED BOOK 50813 PAGE 158

NOW OR FORMERLY
MERRIMAC-URBAN
DEED BOOK 51488
PAGE 311



LEGEND:

- OVERLAND FLOW DIRECTION
- SUBCATCHMENT DIVIDE
- SOIL TYPE DIVIDE
- HYDROLOGIC FLOW PATH
- SC100 SUBCATCHMENT
- DP1 DESIGN POINT
- 2548 SOIL TYPE
- HSC HYDROLOGIC SOIL GROUP
- DP-2 TEST PIT LOCATION



SOME INFORMATION
DATE: AUG 26, 2019
CONDUCTED BY: MICHAEL CARMICHAEL, SE (13319)

TEST PIT DP-1
ELEV.=187.81
BOTTOM OF HOLE ELEV.=183.82
0'-8" H2O
8"-24" B HORIZON: SANDY LOAM
24"-48" A HORIZON: SANDY LOAM
48"-48" REFUSAL (LEDGE)
NO REDOX OR WEETING OBSERVED
NO STANDING WATER

TEST PIT DP-2
ELEV.=183.44
BOTTOM OF HOLE ELEV.=176.2
0'-6" H2O
6"-18" B HORIZON: LOAMY SAND
18"-86" LAYER C: GRAVELLY SAND, W/COBBLES
NO REDOX OR WEETING OBSERVED
NO STANDING WATER

TEST PIT DP-3
ELEV.=187.05
BOTTOM OF HOLE ELEV.=180.0
0'-6" H2O
6"-6" H2O
6"-14" B HORIZON: LOAMY SAND
14"-84" LAYER C: GRAVELLY SAND, W/COBBLES AND BouldERS
NO REDOX OR WEETING OBSERVED
NO STANDING WATER

TEST PIT DP-4
ELEV.=188.15
BOTTOM OF HOLE ELEV.=186.3
0'-24" H2O
24" REFUSAL (LEDGE)
REFUSAL @ 24"
NO REDOX OR WEETING OBSERVED
NO STANDING WATER

TEST PIT DP-5
ELEV.=187.41
BOTTOM OF HOLE ELEV.=181.3
0'-4" H2O
4"-14" LAYER C: LOAMY SAND
14"-34" W/COBBLES
34" REFUSAL (LEDGE)
REFUSAL @ 34"
NO REDOX OR WEETING OBSERVED
NO STANDING WATER

TEST PIT DP-6
ELEV.=187.41
BOTTOM OF HOLE ELEV.=181.3
0'-4" H2O
4"-16" LAYER C: LOAMY SAND
16"-36" W/COBBLES
36" REFUSAL (LEDGE)
REFUSAL @ 36"
NO REDOX OR WEETING OBSERVED
NO STANDING WATER

| REVISIONS | | |
|-----------|----------------------------|----|
| DATE | DESCRIPTION | BY |
| 2/5/20 | NO REVISIONS TO THIS SHEET | MC |

**109 REED STREET SUBDIVISION
POST-DEVELOPMENT DRAINAGE PLAN**
LOCATED IN
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PREPARED FOR
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MERIDIAN ASSOCIATES
500 CUMMINGS CENTER, SUITE 5950 BEVERLY, MASSACHUSETTS 01915
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69 MILK STREET, SUITE 107 WESTBOROUGH, MASSACHUSETTS 01581
TELEPHONE (508) 871-7070

DESIGNED BY: _____ CHECKED BY: _____

DATE: DECEMBER 4, 2019
SCALE: 1"=20'
SHEET NO. 1 OF 2
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