GRAPHIC SCALE
40 20 0 40 80
( IN FEET )
1 inch = 40 ft.

SEE COVER SHEET (SHEET 1 OF 15) FOR LEGEND

| SOIL TYPES | |
|---|---|
| NUMBER | NAME |
| 5 | Wilbraham silt loam (Aquic Dystrudepts) |
| 37 | Manchester gravelly sandy loam (Typic Udorthents) |
| 40 | Ludlow silt loam (Aquic Dystrudepts) |
| 78 | Holyoke-rock outcrop complex (Lithic Dystrudepts) |
| 87 | Wethersfield loam (Oxyaquic Dystrudepts) |
| 98 | Dumps or landfills |
| 105 | Udorthents-Urban land complex |
| 114 | Udorthents, smoothed |

*Approved by the Newington Town Plan and Zoning Commission as Petition #_____ at the TPZ meeting on _____*

*_____ Date _____ Chairman*

*Pursuant to Section 8-26c of the Connecticut General Statutes all work in connection with this approved Subdivision shall be completed by _____ (date of approval plus five years)*

APPROVED BY THE NEWINGTON CONSERVATION COMMISSION
PETITION NO._____
AT THE MEETING OF:_____
CHAIRMAN _____
DATE _____

## SURVEY NOTES:

1. THIS SURVEY HAS BEEN PREPARED PURSUANT TO THE REGULATIONS OF CONNECTICUT STATE AGENCIES SECTIONS 20-300b-1 THROUGH 20-300b-20, AS REVISED.

   TYPE OF SURVEY: TOPOGRAPHIC SURVEY

   BOUNDARY DETERMINATION CATEGORY: RESURVEY

   TOPOGRAPHIC SURVEY ACCURACY: T-2

2. VERTICAL DATUM IS BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88)

3. THIS MAP IS VALID ONLY IF IT BEARS THE ORIGINAL SIGNATURE AND EMBOSSED SEAL OF THE UNDERSIGNED LAND SURVEYOR.

TO MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON.

SURVEYOR'S SIGNATURE — DATE: 2-18-20 — LICENSE NUMBER: 14649

**GENERAL NOTES:**

1. REFER TO REPORT BY WELTI GEOTECHNICAL, P.C., 227 WILLIAMS STREET, GLASTONBURY, CT (860-633-4623) DATED JULY 15, 2019 & NOVEMBER 12, 2019 SHOWING TEST BORING LOGS AND PERMEABILITY TESTING PERFORMED ON 5/28/19 AND 7/17/19.
2. IRON PINS TO BE SET AT ALL LOT CORNERS UNLESS OTHERWISE NOTED
3. TWO TREES TO BE PLANTED PER LOT (SEE SECTION 3.12 OF THE TOWN OF NEWINGTON SUBDIVISION REGULATIONS)
4. ACTUAL FIELD CONDITIONS MAY BE DIFFERENT OR CHANGED FROM THOSE CONDITIONS ASSUMED IN THE PREPARATION OF THIS PLAN AND IN SUCH CIRCUMSTANCES, THE TOWN ENGINEER MAY DIRECT THAT CERTAIN MODIFICATIONS OR AMENDMENTS BE EFFECTED AND CONSTRUCTED TO AMELIORATE SUCH CHANGED CONDITIONS.

**STORMWATER NOTES:**

1. ALL HIGH DENSITY POLYETHYLENE (HDPE) STORM DRAINAGE PIPING SHALL BE SHALL BE IN CONFORMANCE WITH ASTM D3350. REINFORCED CONCRETE PIPE SHALL CONFORM TO CONNDOT MATERIAL SPECIFICATION SECTION M.08.01(6) AND CULVERT ENDS SHALL CONFORM TO CTDOT MATERIAL SPECIFICATION SECTION M.08.01-11.
2. ALL CATCH BASINS SHALL HAVE 3' DEEP SUMPS.
3. REFER TO CONSTRUCTION SEQUENCE FOR INSTALLATION OF SEDIMENTATION AND EROSION CONTROL MEASURES.
4. ALL CATCH BASINS SHALL BE FITTED WITH CATCH BASIN INLET PROTECTION DURING CONSTRUCTION.
5. ALL PROPOSED STORM DRAINAGE OUTLET PIPES AT CATCH BASINS SHALL BE FITTED WITH DEBRIS (TRAP) HOODS. HOODS SHALL BE A "SNOUT" AS MANUFACTURED BY BEST MANAGEMENT PRODUCTS INC., (800) 504-8008, OR APPROVED EQUAL.
6. PERMANENT TURF REINFORCEMENT MATTING FOR SLOPE PROTECTION SHALL BE INSTALLED WITHIN THE PRETREATMENT FOREBAY, DRAINAGE SWALE, AND WHERE PROPOSED SLOPES ARE 2:1 (OR STEEPER). TEMPORARY MATTING (JUTE MESH) SHALL BE USED FOR SLOPES THAT ARE FLATTER THAN 2:1.
7. INFILTRATION BASIN TO BE PERMANENT SEEDED LAWN USING SEED MIXTURE 1, 2, 3 OR 4 FROM THE CONNECTICUT GUIDELINES FOR SOIL EROSION & SEDIMENT CONTROL.

**INFILTRATION BASIN CONSTRUCTION NOTES:**

1. CONSTRUCTION OF THE INFILTRATION BASIN MAY COMMENCE ONCE ALL UPGRADIENT AREAS HAVE ACHIEVED VEGETATIVE STABILIZATION.
2. INSTALL SEDIMENTATION CONTROL SYSTEM AROUND THE PERIMETER OF THE INFILTRATION BASIN TO PREVENT SEDIMENT LADEN WATER FROM ENTERING THE BASIN.
3. CONSTRUCTION EQUIPMENT SHALL NOT BE ALLOWED TO DRIVE OVER THE AREA INTENDED TO SERVE AS INFILTRATION. STOCKPILING OF MATERIAL SHALL NOT BE ALLOWED OVER THESE AREAS AS WELL.
4. ONLY LOW GROUND PRESSURE EQUIPMENT SHALL BE USED TO EXCAVATE THE INFILTRATION BASIN TO MINIMIZE COMPACTION OF SOILS BENEATH BASIN FLOOR AND SIDE SLOPES.
5. THE INFILTRATION BASIN SHALL NOT BE CONSTRUCTED DURING OR IMMEDIATELY AFTER A RAIN EVENT OR CONSTRUCTED DURING SATURATED CONDITIONS.
6. THE ENGINEER SHALL BE CONTACTED IMMEDIATELY IF NON-NATIVE FILL, LEDGE, OR UNSUITABLE MATERIAL IS ENCOUNTERED AT THE PROPOSED BOTTOM OF THE INFILTRATION BASIN PRIOR TO CONSTRUCTION.

**PROPOSED STORM SEWER STRUCTURE SCHEDULE**

TYPE "C" CB1
DOUBLE TYPE
STA 7+30.6 13'LI
T.F.=174.43
F.L.=171.10

TYPE "C" CB2
DOUBLE TYPE I
STA 7+30.6 13'R
T.F.=174.43
F.L.=170.60

TYPE "C" CB3
DOUBLE TYPE I
STA 5+78.3 13'L
T.F.=169.53
F.L.=166.00

TYPE "C" CB4
DOUBLE TYPE I
STA 5+78.3 13'R
T.F.=169.53
F.L.=165.70

TYPE "C" CB5
DOUBLE TYPE I
STA 5+48.8 13'L
T.F.=169.77
F.L.=166.50

TYPE "C" CB6
STA 2+45.6 13L
T.F.=162.63
F.L.=159.30

TYPE "C" CB7
STA 2+45.6 13'R
T.F.=162.63
F.L.=158.80 N,E
F.L.=148.60 W,S

TYPE "C" CB8
STA 1+45.9 13'L
T.F.=156.88
F.L.=153.38

TYPE "C" CB9
STA 1+45.9 13'R
T.F.=156.88
F.L.=152.88 N
F.L.=149.10 W,E

TYPE "C" CB10
DOUBLE TYPE I
STA 0+48.6 13'L
T.F.=153.43
F.L.=150.10

TYPE "C" CB11
DOUBLE TYPE I
STA 0+48.6 13'R
T.F.=153.43
F.L.=149.60

TYPE "C" CB12
T.F.=142.11
INV.=137.60

STORM MANHOLE MH1
T.F.=160.0
F.L.=146.7

STORM MANHOLE MH2
STA 4+26.2 9.6'R
T.F.=170.92
F.L.=162.70

EMERGENCY OVERFLOW STRUCTURE EOS1
T.F.=149.9
INV=145.0

**PROPOSED SANITARY SEWER MANHOLE SCHEDULE**

SMH1 STA 0+38.7
PROPOSED SANITARY SEWER MANHOLE
T.F.=153.71
F.L. OUT=143.66-8"W
F.L. IN=143.76-8"E

SMH2 STA 3+23.5 2.7'L
PROPOSED SANITARY SEWER MANHOLE
T.F.=167.98
F.L. OUT=157.91-8"W
F.L. IN=158.01-8"E

SMH3 STA 5+68.2 2.7'R
PROPOSED SANITARY SEWER MANHOLE
T.F.=170.03
F.L. OUT=159.98-8"W
F.L. IN=160.08-8"E

SMH4 STA 8+07.0
PROPOSED SANITARY SEWER MANHOLE
T.F.=178.67
F.L. OUT=168.87-8"W

WAVERLY DRIVE
DEMING FARM DRIVE
DEMING STREET
GRISWOLDVILLE AVENUE
SAWCUT
PROPOSED 4' CONC. WALK
SANITARY SEWER MANHOLE T.F.=151.60 F.L.=136.12
CATCH BASIN TYPE C T.F.=152.59 F.L.=148.29-12"W F.L.=148.14-15"N F.L.=148.26-12"E F.L.=148.27-18"S
CATCH BASIN TYPE C T.F.=151.81 F.L.=148.29
CATCH BASIN TYPE C T.F.=150.69 F.L.=146.72
SANITARY SEWER MANHOLE T.F.=151.74 F.L.=136.52-8"N F.L.=136.54-8"S
CATCH BASIN TYPE C T.F.=150.32 F.L.=145.59-24"SW F.L.=145.62-24"NE
CATCH BASIN TYPE C T.F.=150.64 F.L.=145.79-24"E F.L.=145.74-15"S
STORM MANHOLE T.F.=151.20 F.L.=145.85-24"NE F.L.=145.57-24"W
CATCH BASIN TYPE C T.F.=152.15 F.L.=148.95
STORM MANHOLE T.F.=152.94 F.L.=148.64-12"E F.L.=148.69-12"N F.L.=148.63-15"S
CATCH BASIN TYPE C T.F.=160.66 F.L.=157.71-12"S
STORM MANHOLE T.F.=161.24 F.L.=157.64-12"N F.L.=158.14-12"E F.L.=157.49-12"W
CATCH BASIN TYPE C T.F.=173.69 F.L.=170.89-12"W F.L.=SILTED-30"N
CATCH BASIN TYPE C-L T.F.=145.20 F.L.=138.62-24"N F.L.=138.62-18"S
CATCH BASIN TYPE C T.F.=139.35 F.L.=134.15-18"N F.L.=134.23-18"E F.L.=134.20-18"S
CATCH BASIN TYPE C T.F.=139.48 F.L.=134.68
PREFORMED SCOUR HOLE
CONNECT TO EXISTING CB AT INV=134.70
SPILLWAY/LEVEL SPREADER (60'L x 10'W) ELEV=149.5
PRE-TREATMENT SEDIMENT FOREBAY BOT. ELEV.=146.0 TOP ELEV.=148.0
PERVIOUS (STONE) FILTER BERM
INFILTRATION BASIN BOT. ELEV.=144.0 TOP ELEV.=150.2
DRAINAGE SWALE (GRASS LINED WITH PERMANENT TURF REINFORCEMENT MATTING) 4' BOTTOM WIDTH WITH 2:1 SIDE SLOPES

LOT 1 308 | LOT 2 308 | LOT 3 308 | LOT 4 78 | LOT 5 87 | LOT 6 87 | LOT 7 87 | LOT 8 87 | LOT 9 87 | LOT 10 87 | LOT 11 40 | LOT 12 40 | LOT 13 87 | LOT 14 87 | LOT 15 87 | LOT 16 87 | LOT 17 87 | LOT 18 306

N/F DENNIS G. DAMATO & JOHN GAZERWITZ
100 DEMING STREET
VOL. 1963 P. 140
ZONE R-20

N/F NELSON & FELICIAN
LOT 97
WINDING BROOK
VOL. 1978 P. 502
ZONE R-20

N/F TADEUSZ G. & GABRIELA W. KUJAWSKI
LOT 86
26 WINDING BROOK LANE
VOL. 1923 P. 284
ZONE R-20

N/F JORDAN S. & DIANA R. JOHNSON
LOT 86
25 STONEWALL CT.
VOL. 2151 P. 114
ZONE R-20

N/F JAMES M. & MARIA L. VINCENZO
LOT 85
26 STONEWALL CT.
VOL. 2261 P. 111
ZONE R-20

N/F BETH A. CURRAN
LOT 70
105 RIDGE VIEW CROSSING
VOL. 1900 P. 729
ZONE R-20

N/F DOUGLAS M. & ANNA M. HASSON
LOT 71
95 RIDGE VIEW CROSSING
VOL. 1336 P. 73
ZONE R-20

N/F PAULINA & JOSE DAVID COLON
LOT 72
85 RIDGE VIEW CROSSING
VOL. 1337 P. 47
ZONE R-20

N/F THOMAS P. & DEBRA D. HAVERKAMPF
115 RIDGE VIEW CROSSING
VOL. 1351 P. 271
ZONE R-20

THIS DRAWING HAS BEEN PREPARED BASED, IN PART, ON INFORMATION PROVIDED BY OTHERS RELATING TO THE LOCATION OF UNDERGROUND SERVICES. WE CAN NOT VERIFY THE ACCURACY OF THIS INFORMATION AND SHALL NOT BE HELD RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH MAY BE INCORPORATED HEREIN AS A RESULT.
INDICATED UNDERGROUND UTILITIES ARE BASED ON AVAILABLE DATA. THE LOCATIONS ARE APPROXIMATE AND ALL UTILITIES MAY NOT BE SHOWN.
CALL "CALL B-4-U DIG" AT 1-800-922-4455 PRIOR TO ANY EXCAVATION.

94112

Weston & Sampson
270 Blueberry Road, Portland, ME 04102
800.333.1479
www.westonandsampson.com

BSI
THE BONSIGNANRI GROUP, INC.
LAND SURVEYORS
P.O. Box 1100, Rte. 66
Newtown, Connecticut 06470
TEL (860) 868-0134
FAX (860) 868-2436

Scale: 1"=40'
Checked: AB
Drawn: BTM
Date: 2-18-20

| Revision | Date |
|---|---|

MAP OF SUBDIVISION OF
PECKHAM FARM
DEMING STREET
NEWINGTON, CONNECTICUT

UTILITIES & IMPROVEMENTS PLAN

Sheet 4 of 15

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