TEST PITS WERE PERFORMED ON AUGUST 10, 2015
BY JOHN D. SULLIVAN III, P.E., C.S.E. No. 2378

SOILS INFORMATION:

TEST PIT: TH-1
ELEV.=177.0'±

0"-5"	HORIZON A: LOAMY SAND
5"-24"	HORIZON Bw: LOAMY SAND
24"-80"	LAYER C1: FINE SAND
80"-120"	LAYER C2: COARSE SAND

WATER WEEPING @ 90"
DISTINCT MOTTLES @ 48" (ELEV = 173.0')
E.S.H.G.W. ELEV = 173.0'
PERCOLATION RATE : 2 MPI SHELF 24"-44"

SOILS INFORMATION:

TEST PIT: TH-2
ELEV.=184.0'±

0"-5"	HORIZON A: LOAMY SAND
5"-18"	HORIZON Bw: LOAMY SAND
18"-120"	LAYER C: FINE SAND (10% GRAVEL)

WATER WEEPING @ NONE
DISTINCT MOTTLES @ NONE
E.S.H.G.W. ELEV = 173.0' (SEE TH-1)
PERCOLATION RATE : 2 MPI SHELF 20"-38"

SOILS INFORMATION:

TEST PIT: TH-3
ELEV.=180.0'±

0"-5"	HORIZON A: LOAMY SAND
5"-26"	HORIZON Bw: LOAMY SAND
26"-120"	LAYER C: COARSE SAND

WATER WEEPING @ 122"
DISTINCT MOTTLES @ 80" (ELEV = 173.3')
E.S.H.G.W. ELEV = 173.3'
PERCOLATION RATE : 2 MPI SHELF 30"-48"

SOILS INFORMATION:

TEST PIT: TH-4
ELEV.=179.5'±

0"-6"	HORIZON A: LOAMY SAND
6"-24"	HORIZON Bw: LOAMY SAND
24"-120"	LAYER C: COARSE SAND

WATER WEEPING @ 120"
DISTINCT MOTTLES @ NONE
E.S.H.G.W. ELEV = 173.0' (42" ADJUSTMENT FROM WATER LEVEL)
PERCOLATION RATE : 2 MPI SHELF 30"-48"

SOILS INFORMATION:

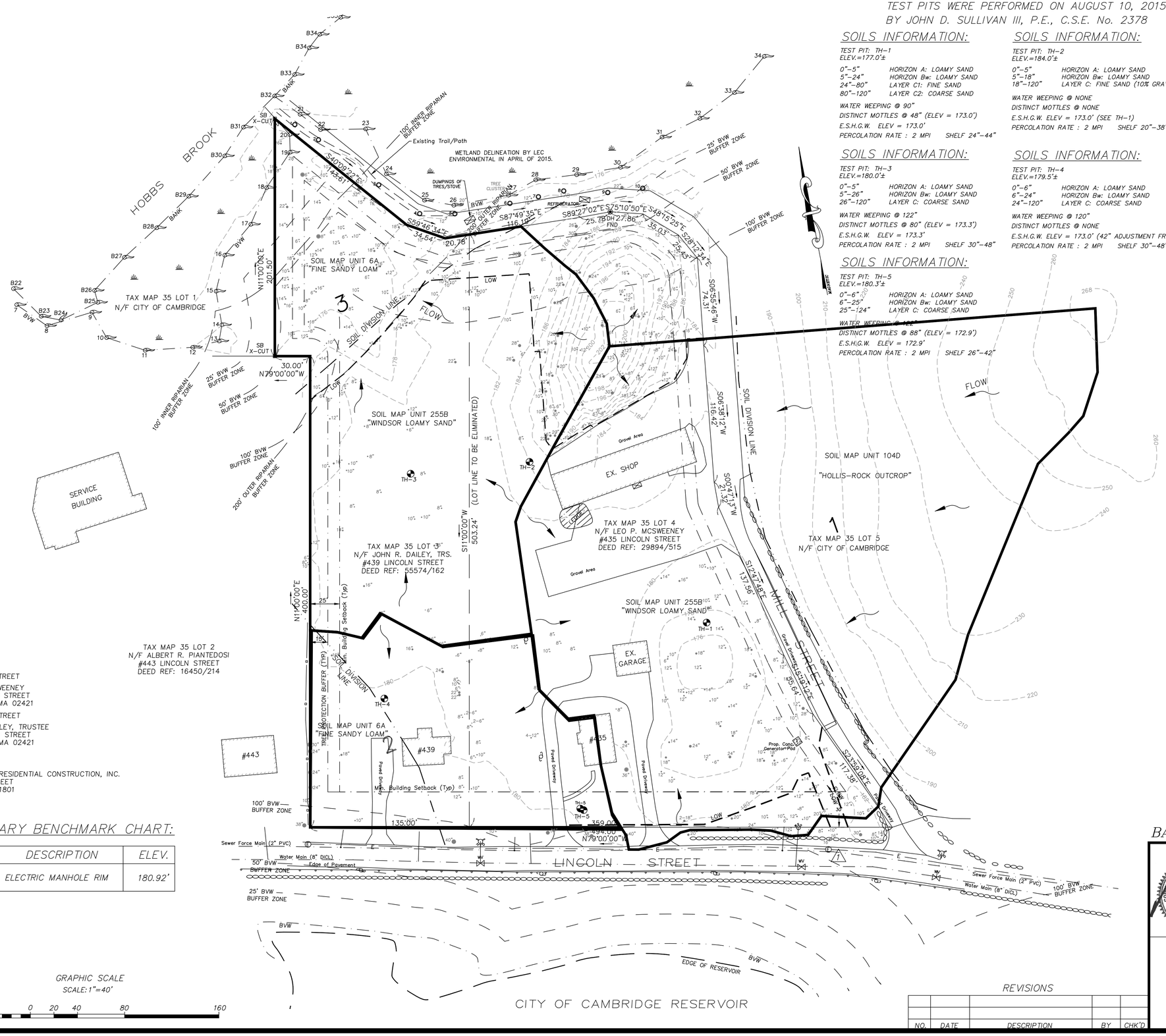
TEST PIT: TH-5
ELEV.=180.3'±

0"-6"	HORIZON A: LOAMY SAND
6"-25"	HORIZON Bw: LOAMY SAND
25"-124"	LAYER C: COARSE SAND

WATER WEEPING @ 122"
DISTINCT MOTTLES @ 88" (ELEV = 172.9')
E.S.H.G.W. ELEV = 172.9'
PERCOLATION RATE : 2 MPI SHELF 26"-42"

LEGEND:

248	TWO FOOT CONTOUR
	DECIDUOUS TREE (> 6" DIA.)
	EVERGREEN TREE (> 6" DIA.)
	UTILITY POLE
S	SEWER MANHOLE
S	SEWER MAIN
W	COMPILED WATER MAIN
CB	CATCHBASIN
D	DRAIN LINE
BIT.	BITUMINOUS
CONC.	CONCRETE
EOP	EDGE OF PAVEMENT
TH	TEST PIT
	WETLAND FLAG
	FENCELINE



NOTES:

1. THE TOPOGRAPHY, SITE DETAIL & SURFACE IMPROVEMENTS DEPICTED HEREON WERE OBTAINED FROM A PARTIAL FIELD SURVEY CONDUCTED IN MAY OF 2015 BY SULLIVAN ENGINEERING GROUP, LLC.
2. THE LOCUS PROPERTY DEPICTED IS LOCATED IN ZONING DISTRICT RO.
3. THE LOCUS PROPERTY IS DEPICTED AS LOTS 3 AND 4 ON THE TOWN OF LEXINGTON ASSESSOR'S MAP 35.
4. THE LOCATION OF ALL UNDERGROUND UTILITIES SHOWN ARE APPROXIMATE AND ARE BASED UPON A PARTIAL FIELD SURVEY AND COMPILATION OF PLANS OF RECORD. THE DESIGN ENGINEER DOES NOT WARRANTY NOR GUARANTEE THE LOCATION OF ALL UTILITIES DEPICTED OR NOT DEPICTED. THE CONTRACTOR, PRIOR TO COMMENCEMENT OF CONSTRUCTION, SHALL VERIFY THE LOCATION OF ALL UTILITIES AND CONTACT DIG SAFE AT 1-888-344-7233.
5. THIS PLAN DOES NOT SHOW ANY UNRECORDED OR UNWRITTEN EASEMENTS WHICH MAY EXIST. A REASONABLE AND DILIGENT ATTEMPT HAS BEEN MADE TO OBSERVE ANY APPARENT, VISIBLE USES OF THE LAND; HOWEVER, THIS DOES NOT CONSTITUTE A GUARANTEE THAT NO SUCH EASEMENTS EXIST.
6. THE ELEVATIONS DEPICTED HEREON WERE BASED UPON THE 1929 NGVD DATUM.
7. THE LOCUS PROPERTY IS NOT LOCATED WITHIN A FLOOD ZONE AS DEPICTED ON THE LATEST FLOOD INSURANCE RATE MAP.
8. ABUTTING BUILDING LOCATIONS ARE APPROXIMATE ONLY AND FOR GRAPHICAL PURPOSES ONLY. BUILDING LOCATIONS TAKEN FROM TOWN OF LEXINGTON AERIALS.
9. PROJECT SITE IS NOT HABITAT FOR RARE OR ENDANGERED SPECIES.
10. THE TOPOGRAPY OF THE MAJORITY OF THE SITE IS RELATIVELY FLAT (< 15%) STEEPER SLOPES EXIST TO THE NORTHEAST AND NORTHWEST PORTIONS OF THE SITE, BUT ARE OUTSIDE THE PROPOSED LIMIT OF WORK AREAS.

OWNERS:

435 LINCOLN STREET
LEO P. MCSWEENEY
435 LINCOLN STREET
LEXINGTON, MA 02421

439 LINCOLN STREET
JOHN R. DAILEY, TRUSTEE
439 LINCOLN STREET
LEXINGTON, MA 02421

APPLICANT:

NORTH SHORE RESIDENTIAL CONSTRUCTION, INC.
215 SALEM STREET
WOBURN, MA 01801

TEMPORARY BENCHMARK CHART:

TBM #	DESCRIPTION	ELEV.
1	ELECTRIC MANHOLE RIM	180.92'

GRAPHIC SCALE
SCALE: 1"=40'
FEET 40 0 20 40 80 160

REVISIONS

NO.	DATE	DESCRIPTION	BY	CHK'D

435-439 LINCOLN STREET
BALANCED HOUSING RESIDENTIAL DEVELOPMENT

COMMONWEALTH OF MASSACHUSETTS
JOHN D. SULLIVAN III
QML
No. 41586
REGISTERED PROFESSIONAL ENGINEER

PREDEVELOPMENT DRAINAGE
LOCATED IN
LEXINGTON, MASSACHUSETTS
(MIDDLESEX COUNTY)

PREPARED FOR
NORTH SHORE RESIDENTIAL CONSTRUCTION, INC.
SCALE: 1"= 40' DATE: NOV. 20, 2015

PREPARED BY
SULLIVAN ENGINEERING GROUP, LLC
P.O. BOX 2004
WOBURN, MA 01888
(781) 854-8644