AVERAGE NATURAL GRADE CALCULATION/BUILDING HEIGHT

UNIT	EXISTING GRADE ELEVATIONS AT BUILDING CORNERS 1	2	3	4	AVERAGE NATURAL GRADE PLANE "PRE-EXISTING"	HIGHEST RIDGE	BUILDING HEIGHT
1	179.2	179.5	179.4	180.8	179.72	211.00'	31.28'
2	180.5	180.0	180.0	180.3	180.20	213.00'	32.80'
3	180.5	180.0	180.0	180.3	180.20	214.25'	34.05'
4	180.5	180.4	180.3	180.0	180.30	216.50'	36.20'
5	180.5	180.2	177.8	180.3	179.70	216.00'	36.30'
6	180.5	180.2	177.8	180.3	179.70	216.00'	36.30'
7	181.1	180.7	183.2	184.3	182.32	213.10'	30.78'
8	181.1	180.7	183.2	184.3	182.32	213.10'	30.78'
9	183.8	183.9	182.4	182.6	183.17	214.50'	31.33'
10	180.9	181.8	179.7	180.3	180.67	215.50'	34.83'
11	180.9	181.8	179.7	180.3	180.67	215.50'	34.83'
12	179.0	180.2	180.7	179.0	179.72	212.75'	33.03'
13	179.0	180.2	180.7	179.0	179.72	212.75'	33.03'
14	180.5	179.7	180.2	180.4	180.20	213.00'	32.80'

SCHEDULE OF UNIT ELEVATIONS

UNIT	FFE	TOF	GAR. FL.	BSMT. FL.
1	183.00'	182.00'	181.00'	174.00'
2	184.00'	183.00'	181.50'	175.00'
3	185.25'	184.25'	183.25	176.25'
4	186.50'	185.50'	184.50'	177.50'
5	187.00'	186.00'	185.00'	178.00'
6	187.00'	186.00'	185.00'	178.00'
7	187.00'	186.00'	185.25'	178.00'
8	187.00'	186.00'	185.25'	178.00'
9	186.50'	185.50'	184.50'	177.50'
10	185.50'	184.50'	183.50'	176.50'
11	185.50'	184.50'	183.50'	176.50'
12	183.75'	182.75'	181.75'	174.75'
13	183.75'	182.75'	181.75'	174.75'
14	183.00'	182.00'	181.00'	174.00'

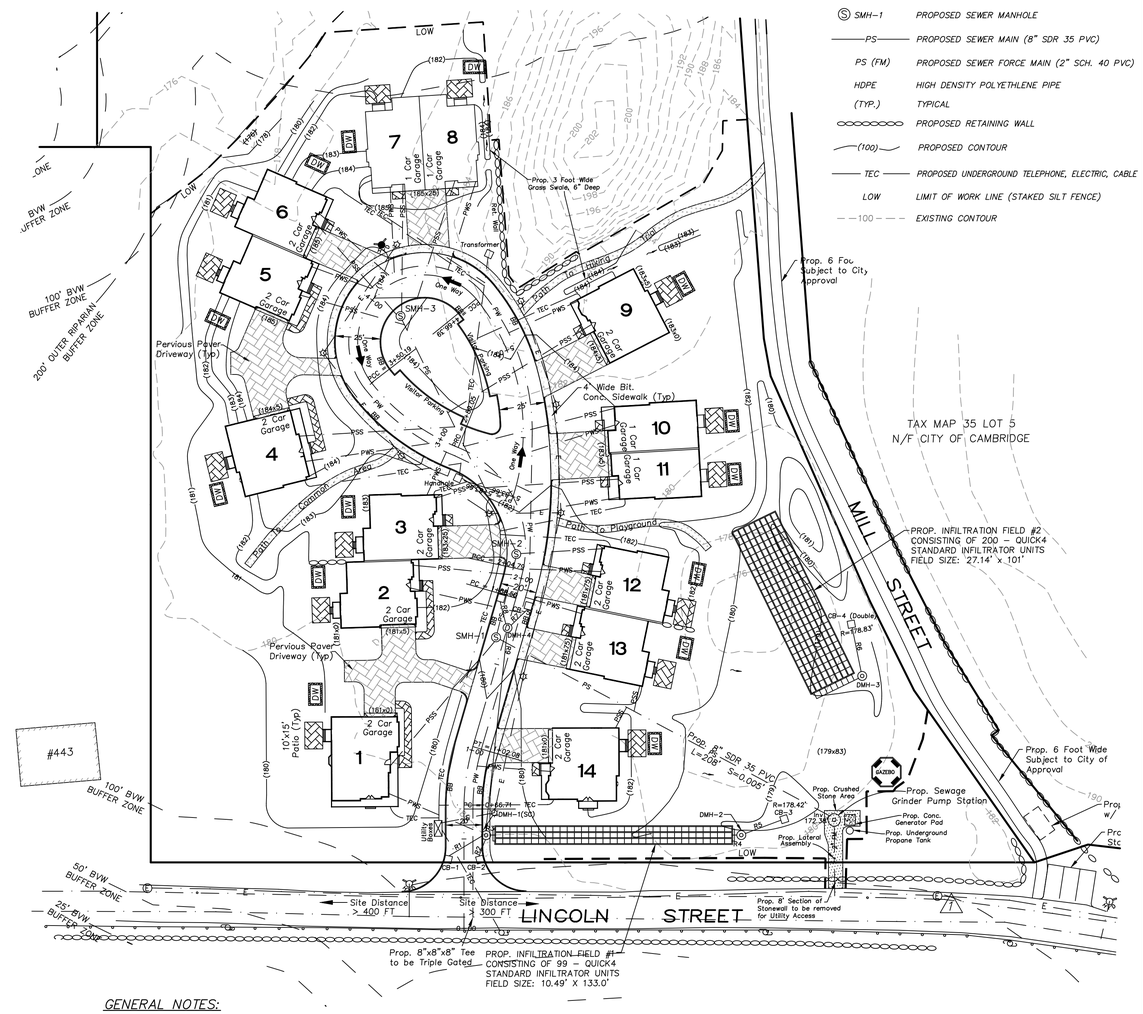
TEMPORARY BENCHMARK CHART:

TBM #	DESCRIPTION	ELEV.
1	ELECTRIC MANHOLE RIM	180.92'

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.

PROPOSED LEGEND:

- CB-1 — PROPOSED CATCHBASIN
- DMH-1 — PROPOSED DRAIN MANHOLE
- PD — PROPOSED HDPE DRAIN PIPE
- PROPOSED WATER GATE
- PROPOSED HYDRANT
- PW — PROPOSED 8" DICL WATER MAIN
- SMH-1 — PROPOSED SEWER MANHOLE
- PS — PROPOSED SEWER MAIN (8" SDR 35 PVC)
- PS (FM) — PROPOSED SEWER FORCE MAIN (2" SCH. 40 PVC)
- HDPE — HIGH DENSITY POLYETHLENE PIPE
- (TYP.) — TYPICAL
- PROPOSED RETAINING WALL
- (100) — PROPOSED CONTOUR
- TEC — PROPOSED UNDERGROUND TELEPHONE, ELECTRIC, CABLE
- LOW — LIMIT OF WORK LINE (STAKED SILT FENCE)
- 100 — EXISTING CONTOUR



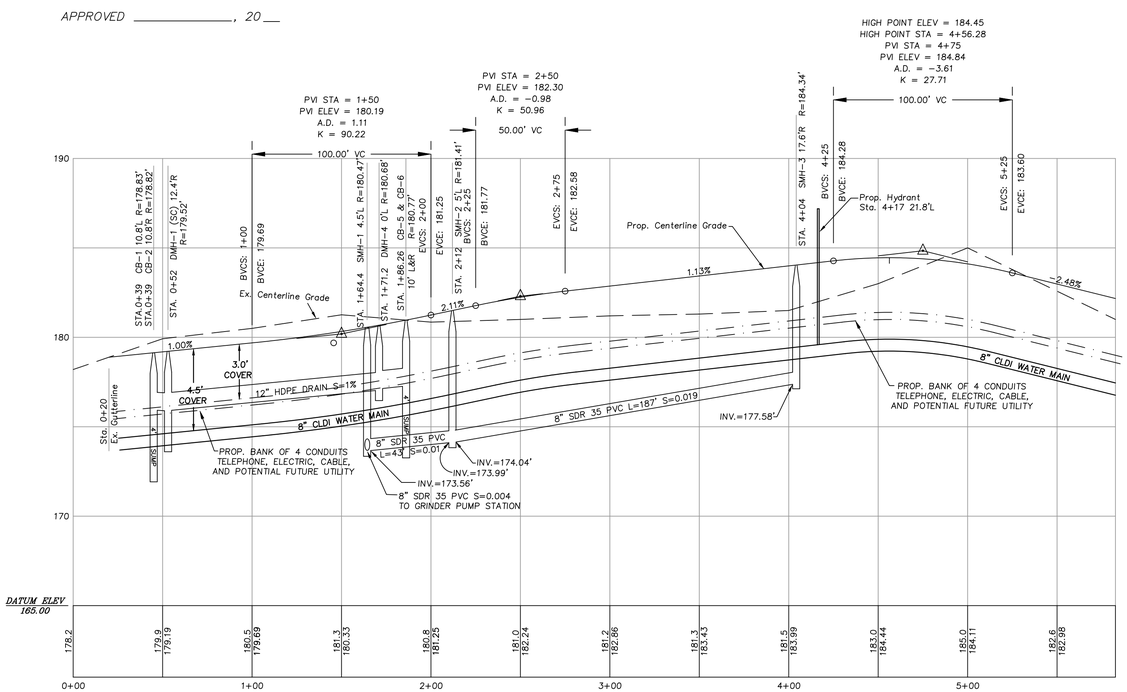
APPROVED BY: LEXINGTON PLANNING BOARD

THIS PLAN IS SUBJECT TO A COVENANT DATED _____

THIS PLAN IS SUBJECT TO A CERTIFICATE OF ACTION DATED _____

THIS PLAN IS SUBJECT TO A SPECIAL PERMIT DATED _____

APPROVED _____, 20__



GENERAL NOTES:

1) EXISTING WATER AND SEWER SERVICES TO EXISTING HOMES TO BE BE CUT AND CAPPED AT THE RESPECTIVE MAIN.

I,_____, TOWN CLERK OF THE TOWN OF LEXINGTON, MASSACHUSETTS HEREBY CERTIFY THAT THE NOTICE OF APPROVAL OF THIS PLAN BY THE LEXINGTON PLANNING BOARD HAS BEEN RECEIVED AND RECORDED AT THIS OFFICE AND NO NOTICE OF APPEAL WAS RECEIVED DURING THE TWENTY DAYS NEXT AFTER SUCH RECEIPT AND RECORDING OF SAID NOTICE.

TOWN CLERK: _____ DATE: _____

REVISIONS

NO.	DATE	DESCRIPTION	BY	CHK'D
1	2/8/16	PER BOARD COMMENTS	JDS	JDS

435-439 LINCOLN STREET
BALANCED HOUSING RESIDENTIAL DEVELOPMENT

COMMONWEALTH OF MASSACHUSETTS — JOHN D. SULLIVAN — CIVIL — No. 41586 — REGISTERED PROFESSIONAL ENGINEER

LAYOUT AND PROFILE PLAN

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

SHEET No. 5 OF 13