DRAINAGE STRUCTURE CHART:

STRUCTURE	RIM	INV. IN (SIZE/TYPE)		INV. OUT (SIZE/TYPE)	
CB-1	178.83'	N/A		176.13'	12" HDPE
CB-2	178.82'	N/A		176.02'	12" HDPE
CB-3	178.94'	N/A		175.88'	12" HDPE
CB-4 (DOUBLE)	178.83'	N/A		175.93'	12" HDPE
CB-5	180.77'	N/A		177.26'	12" HDPE
CB-6	180.77'	N/A		177.26'	12" HDPE
DMH-1 (SC)	179.52'	175.92'	12" HDPE	175.67'	12" HDPE
DMH-2	179.0'	175.67'	12" HDPE	175.67'	12" HDPE
DMH-3	178.92'	175.77'	12" HDPE	175.67'	12" HDPE
DMH-4	180.68'	177.14'	12" HDPE	177.04'	12" HDPE

REACH CHART:

REACH	LENGTH	SIZE	MATERIAL	SLOPE	BEG INV.	END INV.
R1	21'	12"	HDPE	0.01'	176.13'	175.92'
R2	10'	12"	HDPE	0.01'	176.02'	175.92'
R3	2'	12"	HDPE	0.00'	175.67'	175.67'
R4	2'	12"	HDPE	0.00	175.67'	175.67'
R5	21'	12"	HDPE	0.01'	175.88'	175.67'
R6	16'	12"	HDPE	0.01'	175.93'	175.77'
R7	12'	12"	HDPE	0.01'	177.26'	177.14'
R8	12'	12"	HDPE	0.01'	177.26'	177.14'
R9	112'	12"	HDPE	0.01'	177.04'	175.92'

TEMPORARY BENCHMARK CHART:

TBM #	DESCRIPTION	ELEV.
1	ELECTRIC MANHOLE RIM	180.92'

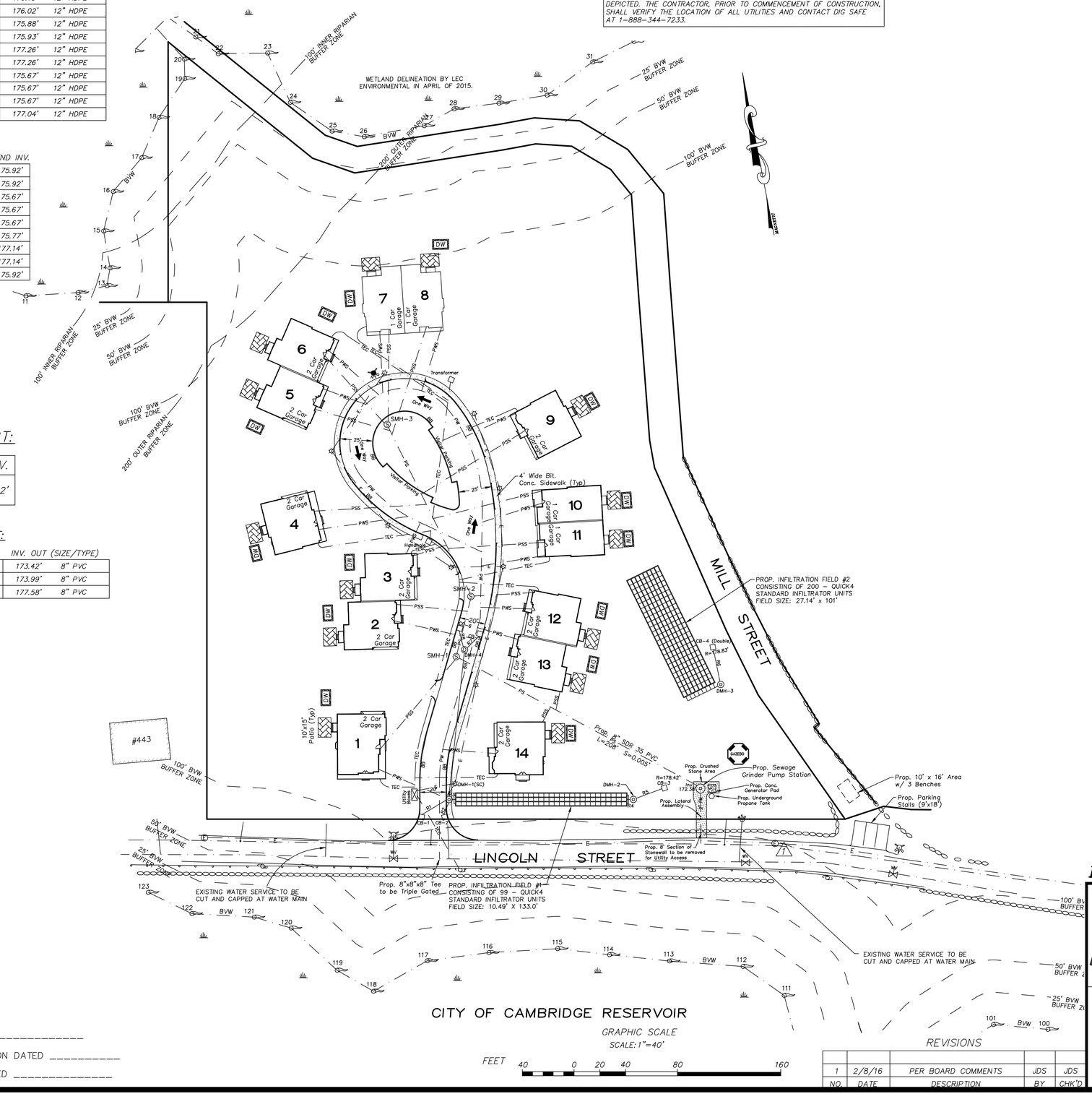
SEWER STRUCTURE CHART:

STRUCTURE	RIM	INV. IN (SIZE/TYPE)		INV. OUT (SIZE/TYPE)	
SMH-1	180.47'	173.52'	8" PVC	173.42'	8" PVC
SMH-2	181.41'	174.04'	8" PVC	173.99'	8" PVC
SMH-3	184.34'	N/A	–	177.58'	8" PVC

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:

BB	BREADLOAF BERM
CB-1	PROPOSED CATCHBASIN
DMH-1	PROPOSED DRAIN MANHOLE
PD	PROPOSED HDPE DRAIN PIPE
	PROPOSED WATER GATE
	PROPOSED HYDRANT
PW	PROPOSED 8" CLDI WATER MAIN
PWS	PROPOSED 1" COPPER WATER SERVICE
SMH-1	PROPOSED SEWER MANHOLE
PS	PROPOSED SEWER MAIN (8" SDR 35 PVC)
PSS	PROPOSED SEWER SERVICE (4" SCH 40 PVC AT 2%)
TEC	PROPOSED TELEPHONE/ELECTRIC/CABLE LINE (UNDERGROUND)
HDPE	HIGH DENSITY POLYETHLENE PIPE
(TYP.)	TYPICAL
	PROPOSED RETAINING WALL



CONSTRUCTION NOTES:

1. THE PROPOSED DRYWELLS SHOWN SHALL HAVE A MINIMUM OF 12" CRUSHED STONE BENEATH TO PROMOTE STORMWATER STORAGE.
2. ALL UTILITY CONSTRUCTION WILL MEET TOWN STANDARDS, INCLUDING THE SUPPLY OF SUFFICIENT WATER PRESSURE TO THE UNITS WHEN COMPLETED.
3. THE DEVELOPER WILL ENGAGE A FIRE PROTECTION ENGINEER TO DETERMINE WATER SYSTEM PRESSURE AT HIGH POINTS IN THE DEVELOPMENT AND PROVIDE WRITTEN RESULTS TO THE LEXINGTON ENGINEERING DEPARTMENT PRIOR TO ISSUANCE OF AN OCCUPANCY PERMIT.

UTILITY NOTES:

1) EACH UNIT TO HAVE A 1" TYPE K WATER SERVICE.
2) EACH UNIT TO HAVE A 4" SDR 35 PVC GRAVITY SEWER SERVICE WITH A MIN. SLOPE OF 2% TO THE GRAVITY MAIN.
3) THE WATER AND SEWER SERVICES TO BE A MIN. 10 FEET APART
4) THE GRINDER PUMP STATION TO BE EQUIPPED WITH TWO GRINDER PUMPS WITH SUFFICIENT RESERVE CAPACITY FOR 1 DAY FLOW.
5) ANTICIPATED SEWAGE FLOW FROM SITE: 52 BDRMS X 110 GPD =5,720 GPD
6) HOMEOWNERS ASSOCATION RESPONSIBLE FOR SEWER MAIN, SEWER INFRASTRUCTURE, AND PUMPING STATION MAINTENANCE AND/OR REPAIR.

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: _____

LEXINGTON PLANNING BOARD APPROVED BY:

_____

_____

_____

_____

_____

_____

APPROVED _____, 20__

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 _____

435-439 LINCOLN STREET
BALANCED HOUSING RESIDENTIAL DEVELOPMENT

REVISIONS

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

COMMONWEALTH OF MASSACHUSETTS
JOHN D. SULLIVAN
CIVIL
No. 41886
REGISTERED PROFESSIONAL ENGINEER

SITE UTILITY PLAN
LOCATED IN
LEXINGTON, MASSACHUSETTS
(MIDDLESEX COUNTY)

PREPARED FOR
NORTH SHORE CONSTRUCTION & DEV., 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. 6 OF 13