## DRAINAGE STRUCTURE CHART:

| STRUCTURE | RIM | INV. IN (SIZE/TYPE) | | INV. OUT (SIZE/TYPE) | |
|---|---|---|---|---|---|
| CB-1 | 178.94' | N/A | | 174.94' | 12" HDPE |
| CB-2 | 178.94' | N/A | | 174.94' | 12" HDPE |
| DMH-1 (SC) | 179.06' | 174.59' | 12" HDPE | 174.34' | 12" HDPE |
| DMH-2 | 179.80' | 174.30' | 12" HDPE | 174.25' | 12" HDPE |

## SEWER STRUCTURE CHART:

| STRUCTURE | RIM | INV. IN (SIZE/TYPE) | | INV. OUT (SIZE/TYPE) | |
|---|---|---|---|---|---|
| SMH-1 | 179.44' | 172.77' | 8" PVC | 172.72' | 8" PVC |
| SMH-2 | 181.41' | 174.04' | 8" PVC | 173.99' | 8" PVC |
| SMH-3 | 184.34' | N/A | – | 175.91' | 8" PVC |

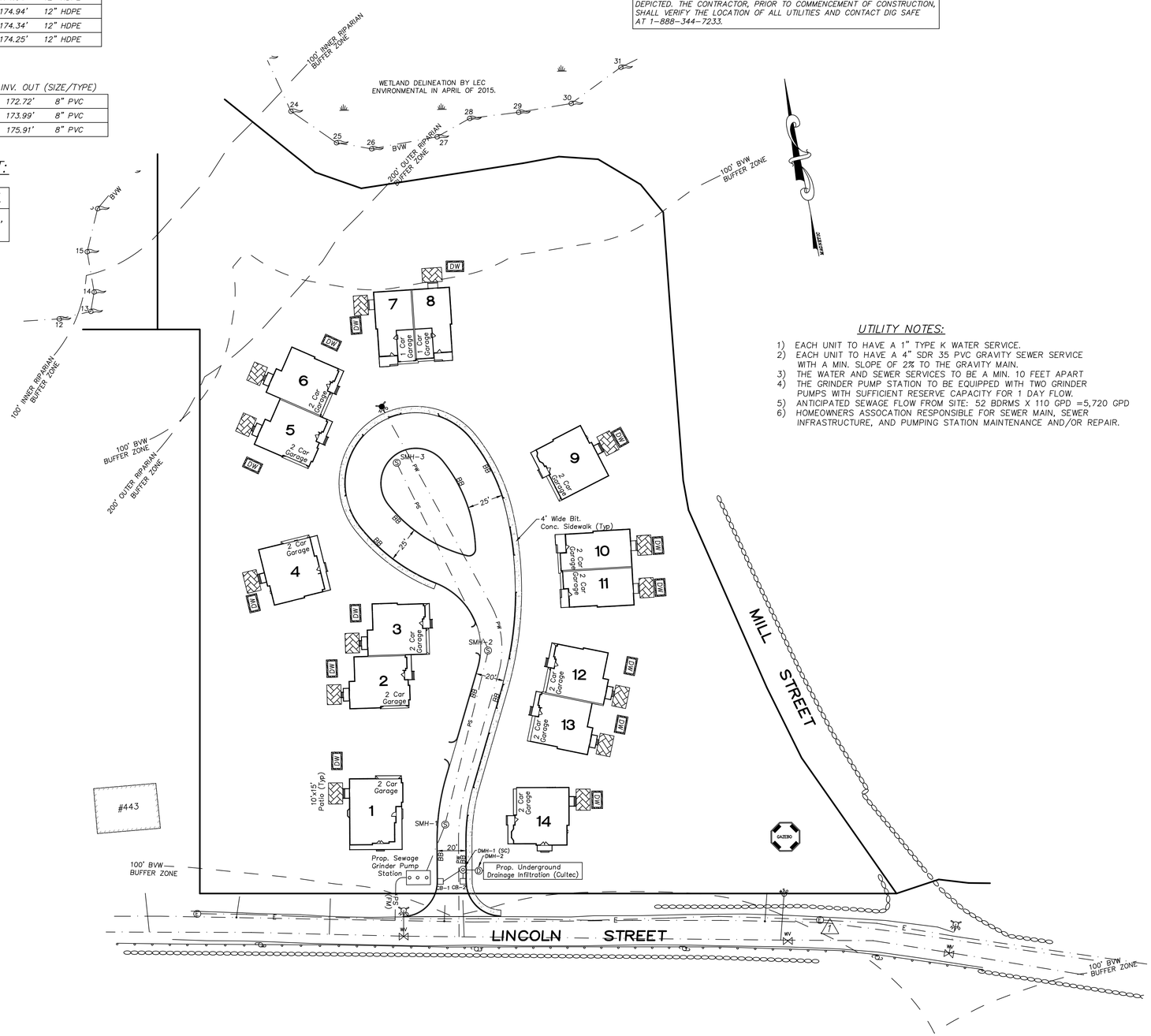
## TEMPORARY BENCHMARK CHART:

| 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:

| | |
|---|---|
| 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" SCH 40 PVC) |
| PSS | PROPOSED SEWER SERVICE (4" SCH 40 PVC AT 2%) |
| PG | PROPOSED GAS MAIN |
| PGS | PROPOSED GAS SERVICE |
| PTEC | PROPOSED TELEPHONE/ELECTRIC/CABLE LINE |
| HDPE | HIGH DENSITY POLYETHLENE PIPE |
| (TYP.) | TYPICAL |
| | PROPOSED RETAINING WALL |




## 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.

## 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.

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 _____

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 P. SULLIVAN III
CIVIL
No. 41866
REGISTERED PROFESSIONAL ENGINEER

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

PREPARED FOR
NORTH SHORE CONSTRUCTION & DEV., INC

SCALE: 1"= 40' DATE: SEPT. 5, 2015

PREPARED BY


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


SHEET No. 6 OF 8