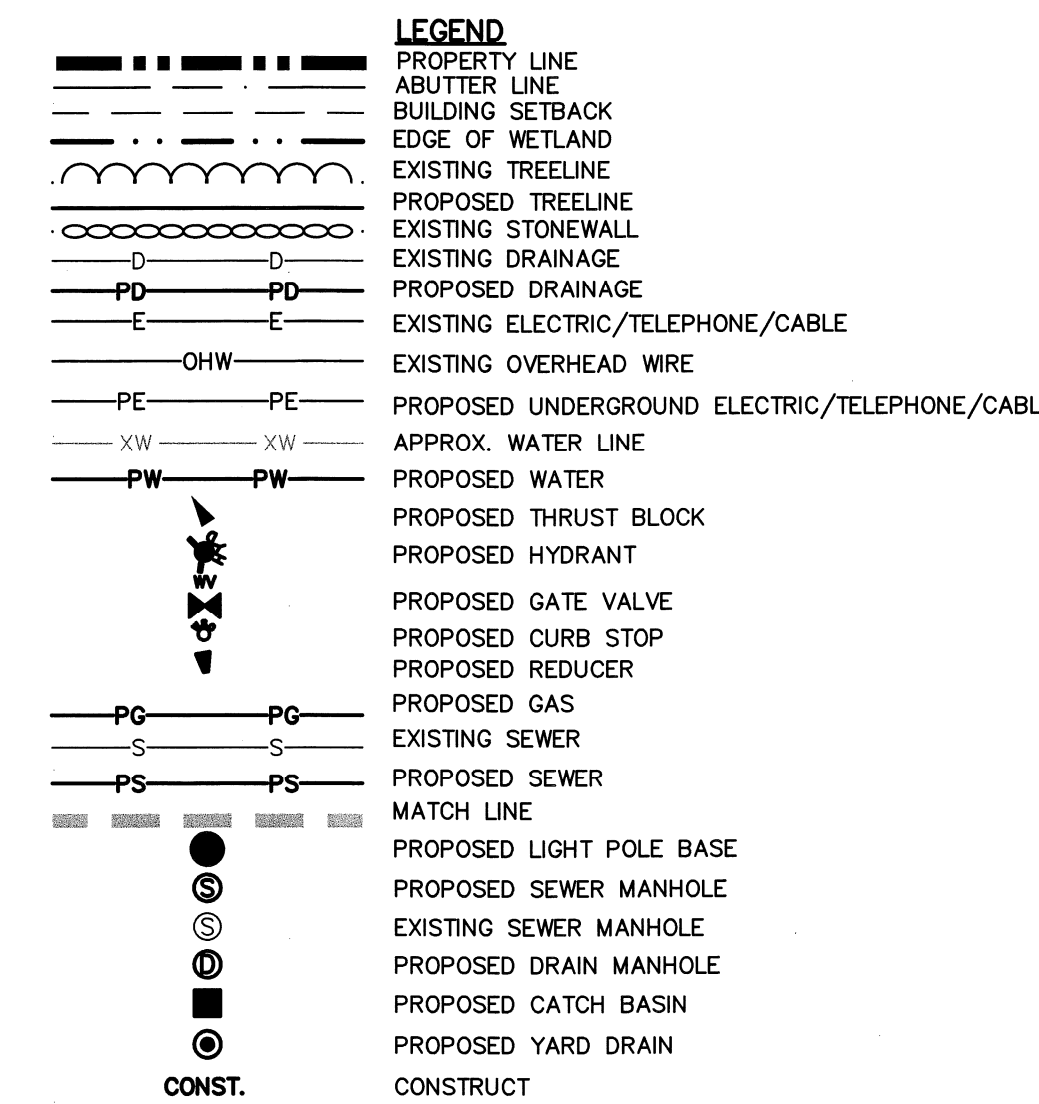


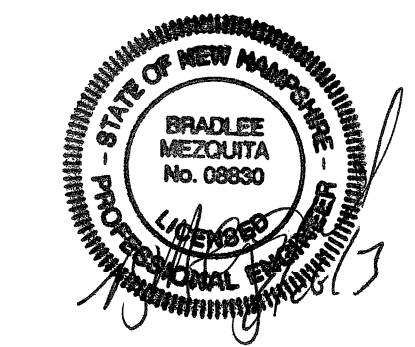
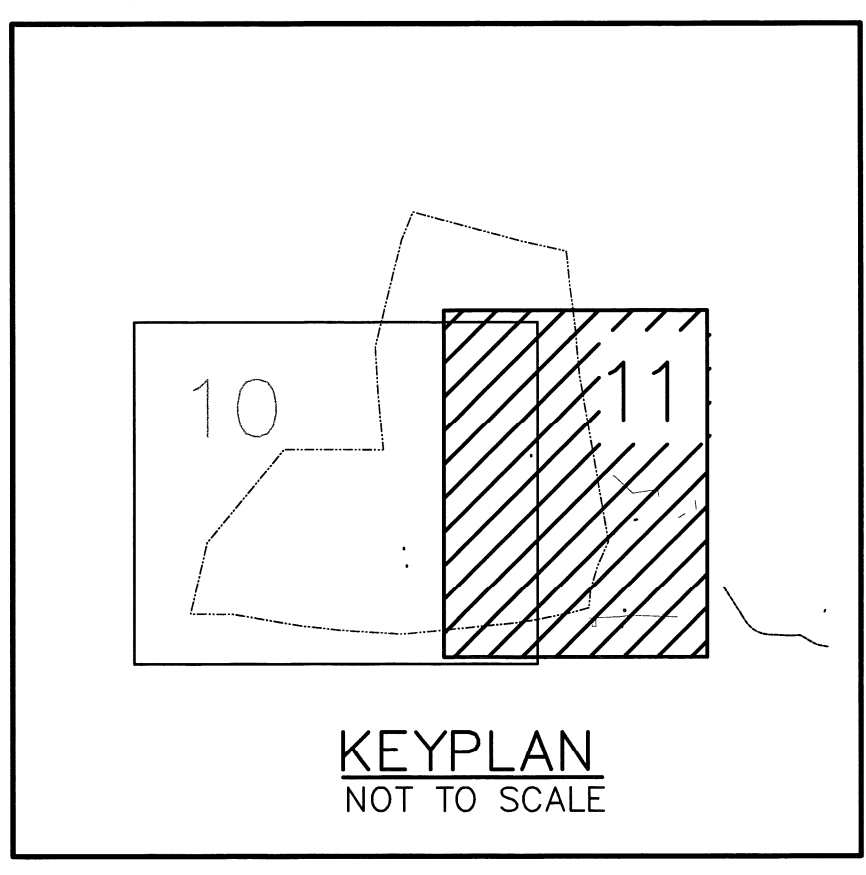
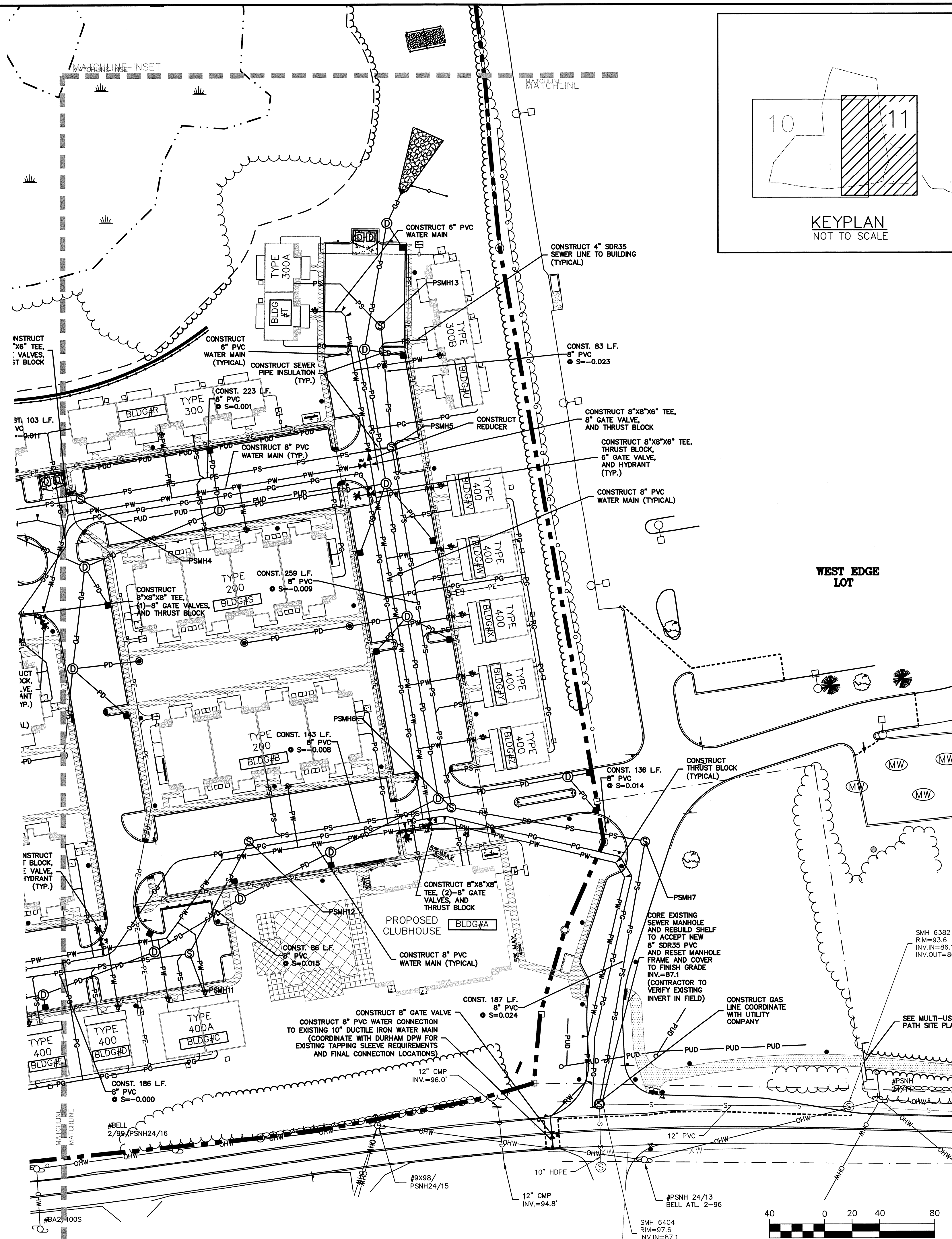
- UTILITY NOTES:**
- THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE APPROXIMATE AND THE LOCATIONS ARE NOT GUARANTEED BY THE OWNER OR ENGINEER. IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE ALL UTILITIES, ANTICIPATE CONFLICTS, REPAIR EXISTING UTILITIES, AND RELOCATE EXISTING UTILITIES REQUIRED TO COMPLETE THE WORK AT NO ADDITIONAL COST TO THE OWNER.
  - SEE EXISTING CONDITIONS PLAN FOR BENCHMARK INFORMATION.
  - SEE GRADING, DRAINAGE & EROSION CONTROL PLAN FOR PROPOSED GRADING AND EROSION CONTROL MEASURES.
  - ALL WATER MAIN INSTALLATIONS SHALL BE AWWA C900, PVC PIPE, CLASS 150.
  - ALL WATERMAIN INSTALLATIONS SHALL BE PRESSURE TESTED AND CHLORINATED AFTER CONSTRUCTION PRIOR TO ACTIVATING THE SYSTEM. CONTRACTOR SHALL COORDINATE CHLORINATION AND TESTING WITH THE DURHAM WATER DEPARTMENT.
  - ALL SEWER PIPE SHALL BE PVC SDR 35 UNLESS OTHERWISE STATED.
  - ALL WORK WITHIN TOWN ROWS SHALL BE COORDINATED WITH TOWN OF DURHAM.
  - CONTRACTOR SHALL MAINTAIN UTILITY SERVICES TO ABUTTING PROPERTIES THROUGHOUT CONSTRUCTION.
  - CONNECTION TO EXISTING WATERMAIN SHALL BE CONSTRUCTED TO TOWN OF DURHAM STANDARDS.
  - EXISTING UTILITIES TO BE REMOVED SHALL BE CAPPED AT THE MAIN AND MEET THE DEPARTMENT OF PUBLIC WORKS STANDARDS FOR CAPPING OF WATER AND SEWER SERVICES.
  - ALL ELECTRICAL MATERIAL WORKMANSHIP SHALL CONFORM TO THE NATIONAL ELECTRIC CODE, LATEST EDITION, AND ALL APPLICABLE STATE AND LOCAL CODES.
  - THE EXACT LOCATION OF NEW UTILITY SERVICES AND CONNECTIONS SHALL BE COORDINATED WITH THE BUILDING DRAWINGS AND THE UTILITY COMPANIES.
  - ADJUST ALL MANHOLES, CATCH BASINS, CURB BOXES, ETC. WITHIN LIMITS OF WORK TO FINISH GRADE.
  - ALL UNDERGROUND CONDUITS SHALL HAVE NYLON PULL ROPES TO FACILITATE PULLING CABLES.
  - THE CONTRACTOR SHALL OBTAIN, PAY FOR, AND COMPLY WITH ALL REQUIRED PERMITS, ARRANGE FOR ALL INSPECTIONS, AND SUBMIT COPIES OF ACCEPTANCE CERTIFICATES TO THE OWNER PRIOR TO THE COMPLETION OF THIS PROJECT.
  - THE CONTRACTOR SHALL PROVIDE AND INSTALL ALL MANHOLES, BOXES, FITTINGS, CONNECTORS, COVER PLATES, AND OTHER MISCELLANEOUS ITEMS NOT NECESSARILY DETAILED ON THESE DRAWINGS TO RENDER INSTALLATION OF UTILITIES COMPLETE AND OPERATIONAL.
  - CONTRACTOR SHALL PROVIDE EXCAVATION, BEDDING, BACKFILL AND COMPACTION FOR NATURAL GAS SERVICES.
  - A 10-FOOT MINIMUM EDGE TO EDGE HORIZONTAL SEPARATION SHALL BE PROVIDED BETWEEN ALL WATER AND SANITARY SEWER LINES. AN 18-INCH MINIMUM OUTSIDE TO OUTSIDE VERTICAL SEPARATION SHALL BE PROVIDED AT ALL WATER/SANITARY SEWER CROSSINGS.
  - THE CONTRACTOR SHALL CONTACT "DIG-SAFE" 72 HOURS PRIOR TO COMMENCING CONSTRUCTION. THE CONTRACTOR SHALL HAVE THE "DIG-SAFE" NUMBER ON SITE AT ALL TIMES.
  - CONTRACTOR TO SUBMIT AS-BUILT PLANS ON REPRODUCIBLE MYLARS AND IN DIGITAL FORMAT (.DXF FILES) TO THE OWNER AND ENGINEER UPON COMPLETION OF THE PROJECT. AS-BUILTS SHALL BE PREPARED AND CERTIFIED BY A LICENSED LAND SURVEYOR OR PROFESSIONAL ENGINEER.
  - SAWCUT AND REMOVE PAVEMENT AND CONSTRUCT PAVEMENT TRENCH PATCH FOR ALL PROPOSED UTILITIES LOCATED IN EXISTING PAVEMENT AREAS TO REMAIN.
  - HYDRANTS, GATE VALVES, FITTINGS, ETC. SHALL MEET THE REQUIREMENTS OF THE TOWN OF DURHAM.
  - COORDINATE TESTING OF SEWER CONSTRUCTION WITH THE TOWN OF DURHAM.
  - ALL SEWER PIPE WITH LESS THAN 4' OF COVER IN UNPAVED AREAS AND 6' OF COVER IN PAVED AREAS SHALL BE INSULATED.
  - CONTRACTOR SHALL COORDINATE ALL ELECTRIC WORK INCLUDING BUT NOT LIMITED TO: CONDUIT CONSTRUCTION, MANHOLE CONSTRUCTION, UTILITY POLE CONSTRUCTION, OVERHEAD WIRE RELOCATION, AND TRANSFORMER CONSTRUCTION WITH POWER COMPANY.
  - CONTRACTOR SHALL PHASE UTILITY CONSTRUCTION, PARTICULARLY WATER MAIN AND GAS MAIN CONSTRUCTION AS TO MAINTAIN CONTINUOUS SERVICE TO ABUTTING PROPERTIES. CONTRACTOR SHALL COORDINATE TEMPORARY SERVICES TO ABUTTERS WITH THE UTILITY COMPANY AND AFFECTED ABUTTER.
  - SITE LIGHTING SPECIFICATIONS, CONDUIT LAYOUT AND CIRCUITRY FOR PROPOSED SITE LIGHTING AND SIGN ILLUMINATION SHALL BE PROVIDED BY THE PROJECT ELECTRICAL ENGINEER.



**PROPOSED SEWER STRUCTURE TABLE**

PSMH1 RIM=104.41 INV.IN=103.85 INV.OUT=103.77	PSMH8 RIM=101.55 INV.IN=100.98 INV.OUT=100.82
PSMH2 (DROP) RIM=103.05 INV.IN=102.32 INV.OUT=102.32	PSMH9 RIM=103.90 INV.IN=103.17 INV.OUT=103.17
PSMH3 RIM=101.25 INV.IN=100.52 INV.OUT=100.52	PSMH10 RIM=104.35 INV.IN=103.62 INV.OUT=103.62
PSMH4 (DROP) RIM=102.40 INV.IN=101.67 INV.OUT=101.67	PSMH11 RIM=104.40 INV.IN=103.67 INV.OUT=103.67
PSMH5 (DROP) RIM=102.10 INV.IN=101.37(PSMH4) INV.IN=101.37(PSMH13) INV.OUT=101.37	PSMH12 RIM=103.15 INV.IN=102.42 INV.OUT=102.42
PSMH6 RIM=104.35 INV.IN=103.62(PSMH5) INV.IN=103.62(PSMH12) INV.OUT=103.62	PSMH13 RIM=100.20 INV.IN=92.45 INV.OUT=99.47
PSMH7 RIM=102.40 INV.IN=101.67 INV.OUT=101.67	

- SPECIAL UTILITY NOTES:**
- INDIVIDUAL FIRE SERVICES SHALL BE 2" HDPE WITH SHUT-OFF VALVE FOR ALL BUILDINGS. (COORDINATE WITH BUILDING DRAWINGS).
  - INDIVIDUAL DOMESTIC WATER SERVICE SHALL BE 2" HDPE TO ALL TYPE 200, 200A, AND 200A-HC BUILDINGS. (COORDINATE WITH BUILDING DRAWINGS).
  - INDIVIDUAL DOMESTIC WATER SERVICE SHALL BE 1-1/2" HDPE TO ALL TYPE 300 BUILDINGS. (COORDINATE WITH BUILDING DRAWINGS).
  - INDIVIDUAL DOMESTIC WATER SERVICE SHALL BE 1-1/4" HDPE TO TYPE 400 AND 400A BUILDINGS X, M, X, AND E. (COORDINATE WITH BUILDING DRAWINGS).
  - INDIVIDUAL DOMESTIC WATER SERVICE SHALL BE 1" HDPE FOR ALL OTHER BUILDING TYPES NOT LISTED ABOVE. (COORDINATE WITH BUILDING DRAWINGS).
  - INDIVIDUAL SEWER SERVICES SHALL BE 4" SDR35 SEWER FOR BUILDING TYPES 300, 300A, 400 AND 400A AND 6" SDR35 FOR BUILDING TYPES 200 AND 200A WITH A MINIMUM 2 PERCENT SLOPE AND CLEANOUT WITHIN 50' OF THE BUILDING.
  - INDIVIDUAL ELECTRIC AND GAS SERVICES SHALL HAVE SEPARATE METERS AT BUILDINGS.
  - ALL INSPECTION/OBSERVATION SERVICES FOR ALL WATER, WASTEWATER, AND STORMWATER MANAGEMENT INFRASTRUCTURE INSTALLATIONS ASSOCIATED WITH THE DEVELOPMENT SHALL BE PERFORMED BY AUTHORIZED REPRESENTATIVES OF THE TOWN OF DURHAM AS DEEMED NECESSARY BY THE DURHAM DEPARTMENT OF PUBLIC WORKS AND THE DEVELOPER SHALL REIMBURSE THE TOWN FOR ALL ASSOCIATED INSPECTION/OBSERVATION COSTS.
  - ALL UTILITY PIPING AND WIRING SHALL BE LOCATED UNDERGROUND.
  - COORDINATE ALL UTILITY LOCATIONS WITH BUILDING DRAWINGS.
  - CURB STOPS SHALL BE PROVIDED FOR ALL WATER SERVICES.



**Peak Campus Development, LLC**  
 The Lodges at West Edge  
 Durham, NH

Mark	Date	Description
H	6/21/13	REVISED FOR FINAL APPROVAL
G	6/11/13	ISSUED FOR BUILDING PERMIT
F	04/19/13	REV. PER NHDES COMMENTS
E	02/07/13	REV. FOR SEWER CONNECTION
D	12/10/12	REVISED FOR AOT SUBMISSION
C	11/1/12	REVISED FOR PB SUBMISSION
B	9/26/12	REVISED FOR PB SUBMISSION
A	8/22/12	PB SUBMISSION

PROJECT NO: P0637  
 FILE: P0637\_UTIL.dwg  
 DRAWN BY: KAM/SLK1  
 CHECKED: JMP2  
 APPROVED BY: GMM

UTILITIES PLAN  
 SCALE: AS SHOWN  
 SHEET 11

