





**LEGEND**

SEWER MANHOLE	⊙
SEWER CLEANOUT	○
SEWER VENT	⊙
SEWER LINE	—
DL WATER SEPARATOR	⊙
CONCRETE PIPE ENCASUREMENT	—
WATER LINE	—
WATER VALVE	⊕
HYDRANT	⊕
WATER LINE REDUCER	—
GAS LINE	—
GAS VALVE	⊕
OVER HEAD WIRE	—
UTILITY POLE	⊕
100-YEAR FLOODPLAIN LINE	—
20' NATURAL VEGETATED BUFFER	—
100' RETAINED BUFFER	—
100' ADEQUATE BUFFER	—
200' ADEQUATE BUFFER	—

- NOTES:**
1. THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE HELD RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MAY BE INCURRED BY THE CONTRACTOR AND THEREAFTER AND ALL UNDERGROUND UTILITIES.
  2. THE CONTRACTOR SHALL CONTACT "DIGSAFET" AND THE CITY OF NEWTON DEPARTMENT OF PUBLIC WORKS AT LEAST 72 HOURS PRIOR TO ANY EXCAVATION TO DETERMINE THE EXACT LOCATION OF THE EXISTING UTILITIES.
  3. VERTICAL DATUM IS CITY OF NEWTON BASE.
  4. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR DEPTH OF EXISTING UTILITIES AND STRUCTURES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF VARIOUS UTILITY COMPANIES AND WHERE POSSIBLE MEASUREMENTS TAKEN IN THE FIELD. THIS INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. UTILITIES AND STRUCTURES SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION.
  5. PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION AND SIZE OF THE EXISTING WATER MAINS.
  6. A MINIMUM OF 18" VERTICAL CLEARANCE SHALL BE MAINTAINED WHERE SERVICES CROSS STORM DRAIN AND SEWER LINES. WATER SERVICES SHALL BE ENCASED IN CONCRETE. MINIMUM CLEARANCE WHEN PASSING BELOW STORM DRAIN AND SEWER LINES. ENCASEMENT SHALL EXTEND EIGHT FEET CENTRED ON THE CROSSING POINT OF THE OTHER PIPE OR MEASURED NORMALLY FROM ALL POINTS ALONG THE PIPE.
  7. THE ENGINEER SHALL BE ADVISED IN WRITING OF ANY UTILITIES INTERFERING WITH THE PROPOSED CONSTRUCTION AND APPROPRIATE REMEDIAL ACTION TAKEN BEFORE PROCEEDING WITH THE WORK. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RESOLVE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.
  8. THE INFORMATION SHOWN ON THIS PLAN IS THE SOLE PROPERTY OF ALLEN & MAJOR ASSOCIATES, INC. ITS INTENDED USE IS TO PROVIDE INFORMATION AND ALTERNATION, DESIGN, OR RECALCULATION OF INFORMATION OR DATA WITHOUT THE EXPRESSED WRITTEN CONSENT OF ALLEN & MAJOR ASSOCIATES, INC. IS STRICTLY PROHIBITED.
  9. PIPE LENGTHS ARE MEASURED FROM CENTER TO CENTER OF SEWER STRUCTURES. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING APPROPRIATE PIPE LENGTHS FOR CONSTRUCTION.
  10. INSTALLED STRUCTURES ARE TO BE VACUUM TESTED AND INSTALLED PIPES ARE TO BE PRESSURE TESTED IN ACCORDANCE WITH CITY OF NEWTON STANDARDS.
  11. INSTALLED WATER PIPES ARE TO BE PRESSURE TESTED IN ACCORDANCE WITH CITY OF NEWTON STANDARDS.
  12. THE CONTRACTOR SHALL NOTIFY THE INSPECTOR 48 HOURS PRIOR TO REQUESTING INSPECTIONS IN ACCORDANCE WITH THE CITY OF NEWTON STANDARDS.

**THE RESIDENCES ON THE CHARLES**

15 RIVERDALE AVENUE  
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CPC LAND ACQUISITION COMPANY, LLC

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SEAL  
Professional Engineer for  
Allen & Major Associates, Inc.

KEY PLAN

12-00-21	Revised by MEC for Matt Perazzo
10-28-2017	REVIEWED PER ENGINEERING DEPT
07-08-2017	CONFORMED BY
MAN: GMS	DESCRIPTION

PROJECT NUMBER: 154-23  
DRAWN BY: ARM  
CHECKED BY: TAW

SHEET TITLE  
**Water Main Extension Plan**

**DIG SAFE**

BEFORE YOU DIG  
CALL 811 OR  
1-888-387-3461  
1-888-344-7333