

- GENERAL NOTES**
- ALL WORK PERFORMED AS PART OF THIS PROJECT SHALL CONFORM TO THE CITY OF SOMERVILLE, DEPT. OF PUBLIC WORKS AND ANY OTHER AGENCY WITH AUTHORITY IN THIS AREA.
  - CONTRACTOR TO MAINTAIN WORK AREA IN A CLEAN CONDITION. NO CONSTRUCTION DEBRIS SHALL BE ALLOWED TO ACCUMULATE WITHIN THE WORKSITE AND NO DIRT, GRAVEL, ETC. SHALL BE ALLOWED TO ACCUMULATE ON THE PUBLIC RIGHT-OF-WAY.
  - AREAS OUTSIDE THE LIMITS OF PROPOSED WORK DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED BY THE CONTRACTOR TO THEIR ORIGINAL CONDITION AT THE CONTRACTOR'S EXPENSE.
- UTILITY & DRAINAGE NOTES**
- TOPOGRAPHY & PROPERTY LINES ON SITE ARE LOCATED IN FIELD BY BOSTON SURVEY INC., AND ROADWAY SURVEY WAS DONE BY DESIGN CONSULTANTS INC., PLANS OF RECORD & PLANS FROM RESPECTIVE UTILITY COMPANIES.
  - THIS PLAN DOES NOT NECESSARILY DEPICT THE EXACT LOCATION AND SIZE OF ALL UTILITIES WHICH MAY EXIST AT THIS TIME INSIDE OR OUTSIDE OF EXISTING OR PROPOSED BUILDINGS, ON THE SUBJECT PROPERTY, WITHIN THE STREET ROW, OR ON ABUTTING LOTS.
  - THE CITY OF SOMERVILLE MUNICIPAL UTILITIES (WATER, SEWER, & DRAIN) ARE NOT PART OF DIG-SAFE. CONTACT THE CITY OF SOMERVILLE FOR THE MARKING OF SOMERVILLE MUNICIPAL UTILITIES, CONTACT DIG-SAFE AT 1-888-344-7233 OR 1-800-322-4844 AT LEAST 72 HOURS PRIOR TO EXCAVATION.
  - THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES SHOWN ARE APPROXIMATE AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL FIELD VERIFY THE SIZE AND EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.
  - ALL UTILITIES SHOWN ON THIS SITE ARE TO THE EXTERIOR OF THE BUILDING FOUNDATION ONLY. UTILITIES THROUGH THE FOUNDATION AND INSIDE THE BUILDING ARE THE RESPONSIBILITY OF THE MECHANICAL ENGINEER.
  - THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING AND RECORDING THE EXACT LOCATION OF ALL PROPOSED UTILITY CONNECTIONS.
  - THE CONTRACTOR SHALL SUPPLY ALL PIPING FOR THE UTILITY SERVICES AND SHALL SUPPLY ALL ASSOCIATED APPURTENANCES, FITTING AND VALVES UNLESS NOTED OTHERWISE. THE CONTRACTOR SHALL PERFORM ALL WET AND DRY TAPS AS PART OF HIS/HER CONTRACT.
  - CITY OF SOMERVILLE RESERVES THE RIGHT TO INSPECT ALL FACILITIES DISCHARGING TO THE CITY OF SOMERVILLE DRAIN AND/OR SEWER SYSTEMS.
  - WHERE AN EXISTING UTILITY IS FOUND TO CONFLICT WITH THE PROPOSED WORK, THE LOCATION, ELEVATION AND SIZE OF THE EXISTING UTILITY SHALL BE INVESTIGATED WITHOUT DELAY BY THE CONTRACTOR, AND THE INFORMATION AND/OR ANY DISCREPANCIES WITH THE PLAN SHALL REPORT TO THE ENGINEER IMMEDIATELY FOR RESOLUTION OF THE CONFLICT.
  - TRENCH AREAS FOR THE CONSTRUCTION OF THE UNDERGROUND UTILITIES ARE TO BE REPAIRED WITH SAME MATERIAL AT THE SAME DEPTH AS THE EXISTING MATERIAL. THE AREAS OF TRENCHING SHALL BE NEATLY SAW-CUT AND THE NEW REPATCHING MATERIAL SHALL BE PROPERLY SEALED IN ACCORDANCE WITH THE CITY OF SOMERVILLE MUNICIPAL STANDARDS.
  - DURING EXCAVATION AND CONSTRUCTION OF PIPES AND STRUCTURES, TRENCHES MUST BE ADEQUATELY BRACED AND PROTECTED AGAINST CAVE-IN.
  - NO TRENCHES WILL BE ALLOWED TO REMAIN OPEN OVERNIGHT. ALL TRENCHES SHALL BE BACKFILLED AT THE END OF THE WORK DAY OR COVERED WITH STEEL PLATES PER 520 CMR 14.00 EXCAVATION AND TRENCH SAFETY. IF STEEL PLATES ARE USED, THE TOTAL LENGTH OF PLATES IN THE TRAVELED WAY SHALL LIMITED TO 50 FEET.

- LEGEND**
- HYDRANT
  - WATER GATE
  - UTILITY POLE (U.P.)
  - CATCH BASIN (CB)
  - DRAIN MANHOLE (DMH)
  - SEWER MANHOLE (SMH)
  - ELECTRIC MANHOLE
  - UNKNOWN MANHOLE
  - TELEPHONE MANHOLE
  - GAS GATE
  - TREE
  - SIGN
  - CHAIN LINK FENCE
  - SEWER LINE
  - GAS LINE
  - WATER LINE
  - TELEPHONE LINE
  - OVERHEAD WIRES
  - ELECTRIC LINE
  - DRAIN LINE
  - INVERT
  - FINISHED FLOOR ELEVATION
  - SPOT GRADE
  - TOP OF CURB GRADE
  - BOTTOM OF CURB GRADE
  - SURFACE DRAINAGE FLOW

**PIPE MATERIALS:**

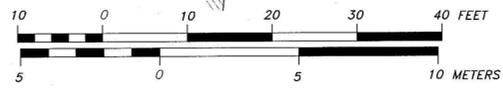
DOMESTIC WATER SERVICE: 4 INCH DUCTILE IRON CEMENT LINED (DICL) CLASS 52  
 FIRE SERVICE: 4 INCH DUCTILE IRON CEMENT LINED (DICL) CLASS 52

ALL WATER LINES SHALL HAVE A MINIMUM OF FIVE (5) FEET OF COVER

SEWER: 6 INCH PVC SERVICE ASTM D3034-SDR 35  
 (MINIMUM SLOPE= 0.020)

ROOF DRAIN: 4 INCH PVC ASTM D3034-SDR 35  
 (UNLESS OTHERWISE NOTED)  
 MINIMUM SLOPE= 0.020  
 MINIMUM COVER= 2'

**PERMIT SET**



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**Design Consultants, Inc.**  
 Consulting Engineers and Surveyors

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 SOMERVILLE, MA 02145  
 617-776-3350

68 PLEASANT STREET  
 NEWBURYPORT, MA 01950  
 978-358-7173

SCALE:  
 HORIZ: 1" = 10'  
 VERT: \_\_\_\_\_

NO.	DATE	BY	REVISIONS



DESIGN: SBS  
 DRAFTING: SSW  
 CHECKED: DG  
 APPROVED: SBS

APR 15, 2014

**SITE, GRADING, DRAINAGE & UTILITIES PLAN**

**2-8 BROADWAY & 8 MT. PLEASANT STREET**

PLAN OF LAND IN  
 SOMERVILLE, MASSACHUSETTS

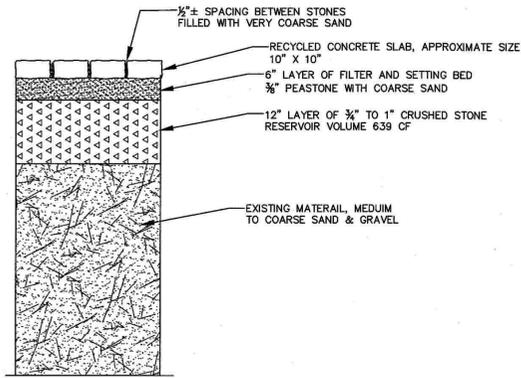
PREPARED FOR  
 LOLASTAR LLC

PROJECT NO.  
 2013-040

DATE: APR. 15, 2014

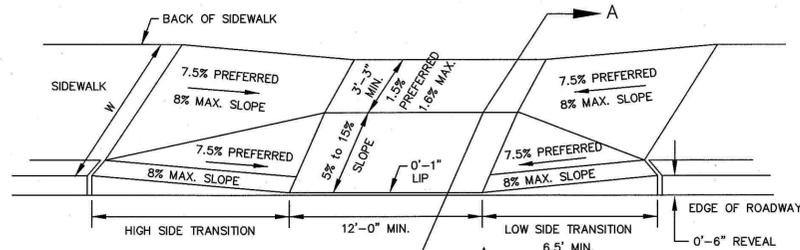
SHEET NO.  
 1

P:\2013 PROJECTS\2013-040 2-8 BROADWAY SOMERVILLE\DWG\_ENGINEERING\13-040 SITE PLAN & DETAILS.DWG

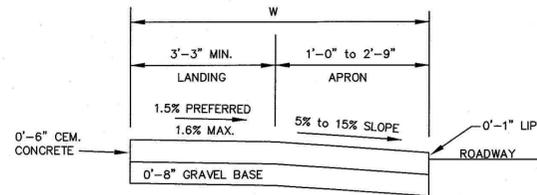


**PERMEABLE PAVER**

NOT TO SCALE



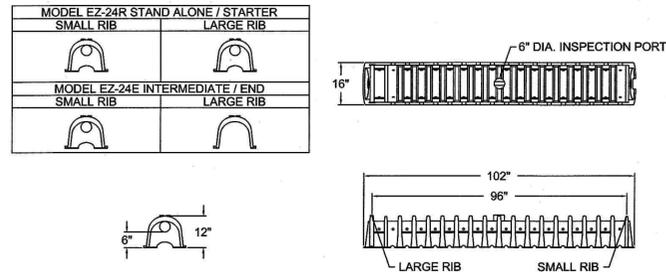
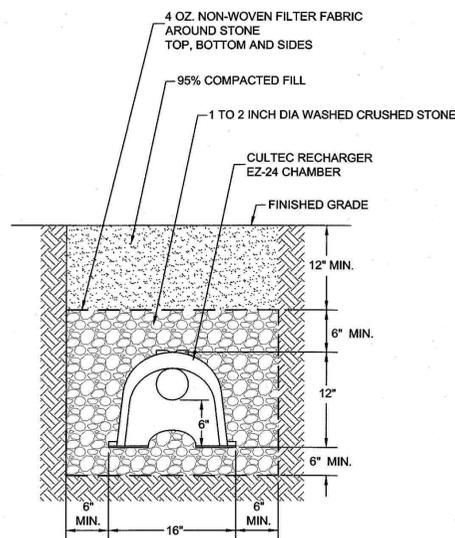
LEGEND  
W = SIDEWALK WIDTH



**SECTION A-A**

**DRIVEWAY APRON CONSTRUCTION**

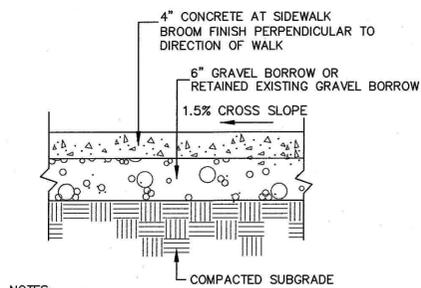
NOT TO SCALE



CULTEC CONTACTOR EZ-24 CHAMBER STORAGE = .819 CF/FT  
INSTALLED LENGTH ADJUSTMENT = 0.5'  
ALL CONTACTOR EZ-24 UNITS ARE MARKED WITH A COLOR STRIPE  
FORMED INTO THE PART ALONG THE LENGTH OF THE CHAMBER.

**CULTEC RECHARGER EZ-24 CHAMBER**

NOT TO SCALE

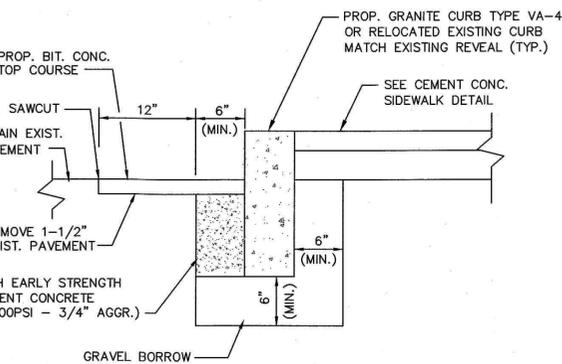


**NOTES:**

1. PROVIDE 1/2" CONSTRUCTION CONTROL JOINT WITH PREFORMED EXPANSION MATERIAL EVERY 20'-0" O.C. MAX.
2. PROVIDE A TOOLED DUMMY JOINT 1/4"W x 1/2"D AS NEEDED TO PROVIDE SYMMETRY.

**CEMENT CONCRETE SIDEWALK**

NOT TO SCALE

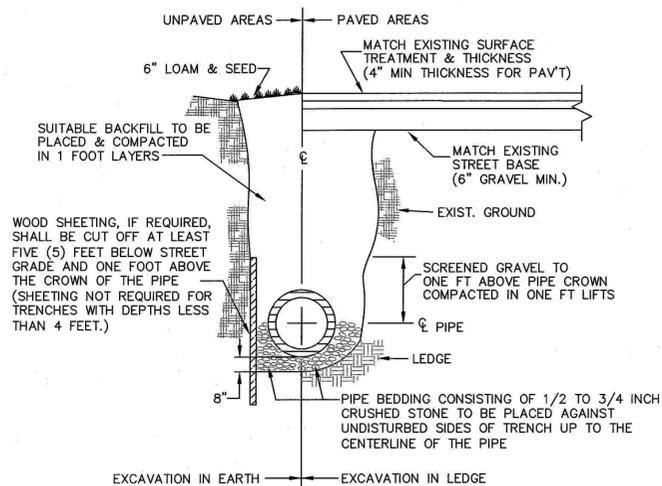


**NOTES:**

- \* HIGH EARLY STRENGTH CONCRETE BASE COURSE SHALL BE INCLUDED IN THE LINEAR FOOT PRICE OF GRANITE CURB.

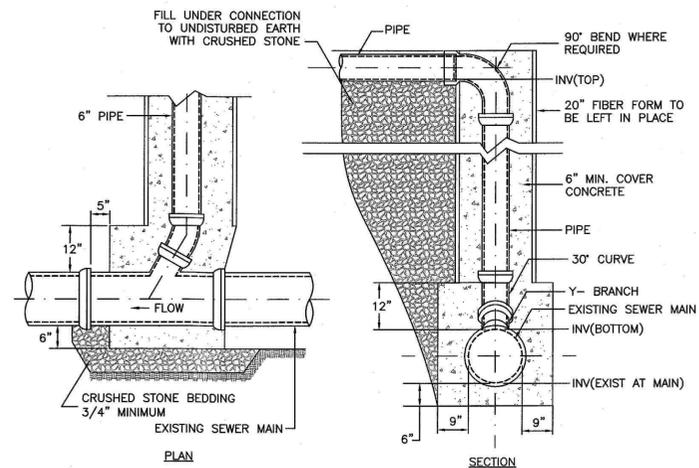
**GRANITE CURB IN EXISTING PAVEMENT**

NOT TO SCALE



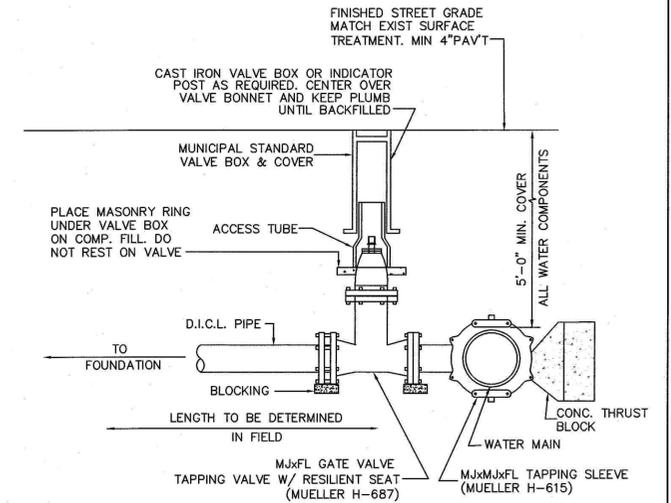
**TRENCH EXCAVATION**

NOT TO SCALE



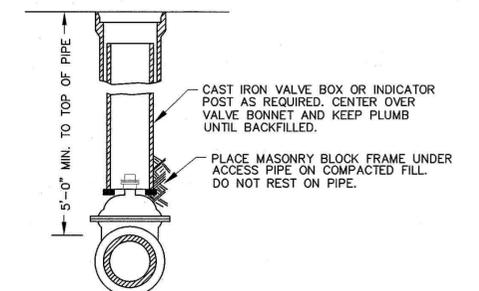
**SEWER SERVICE CHIMNEY CONNECTION**

NOT TO SCALE



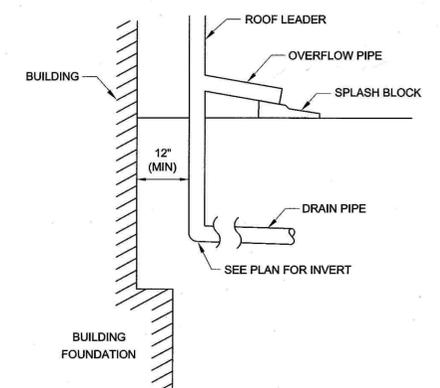
**WATER SERVICE CONNECTION**

NOT TO SCALE



**GATE VALVE INSTALLATION IN TRENCH**

NOT TO SCALE



**ROOF DRAIN & OVERFLOW PIPE**

NOT TO SCALE

**PERMIT SET**