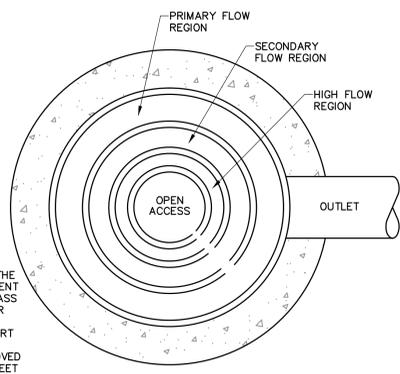
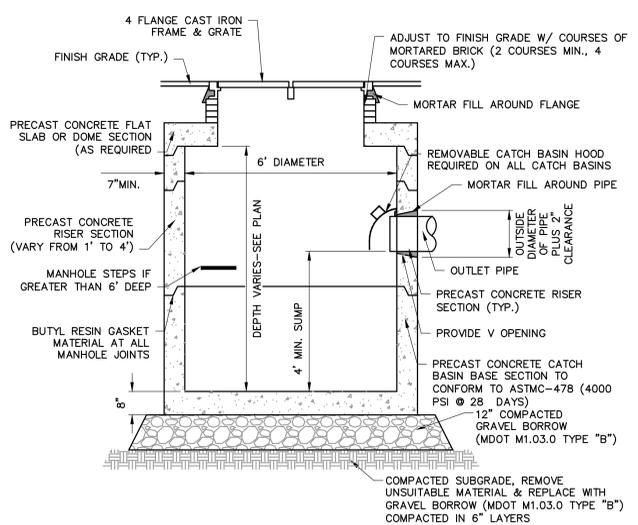


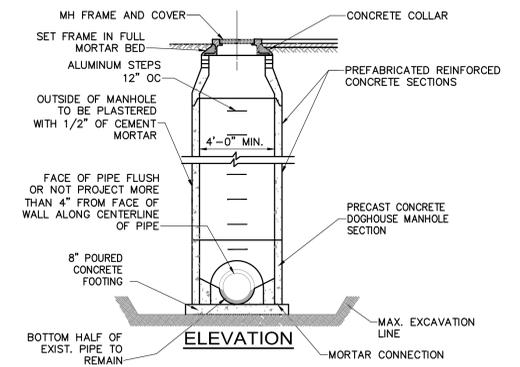
**STORMWATER BUFFER ZONE - WITH PHOSPHORUS CATCH BASIN INSERT**  
NOT TO SCALE



- NOTES:**
1. MANHOLES TO BE SET BY DRAINAGE CONTRACTOR IN CONJUNCTION WITH OTHER DRAINAGE MANHOLES AND PIPING, SET IN ACCORDANCE WITH CITY OR STATE SPECIFICATION WITH REGARD TO BASE AND BACKFILL MATERIALS, COMPACTION AND OTHER TOLERANCES.
  2. STORMWATER QUALITY INTERNAL PARTS TO BE ADJUSTED BY STORMWATER BUFFER ZONE AFTER INLET GRATE IS INSTALLED.
  3. STORMWATER BUFFER ZONE IS COVERED BY U.S. PATENT #7,658,857 AND 7,981,300.
  4. CONTACT STORMWATER BUFFER ZONE FOR DETAILS NOT SHOWN ON THIS DRAWING. 978-801-1729 OR CHECK [www.mastep.net](http://www.mastep.net) FOR ADDITIONAL PERFORMANCE DATA.

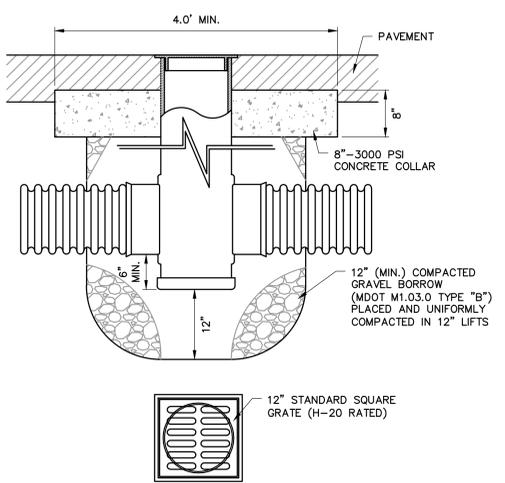


**TYPICAL DOUBLE CATCH BASIN DETAIL**  
NOT TO SCALE

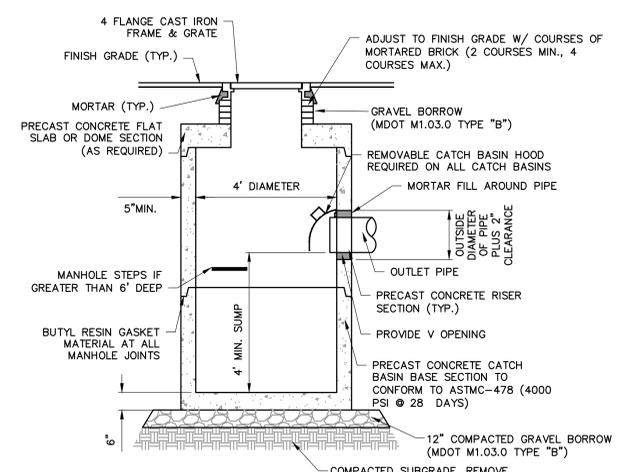


- NOTES:**
1. PREFABRICATED REINFORCED CONCRETE UNITS SHALL BE USED.
  2. THEY SHALL BE DESIGNED TO WITHSTAND AASHTO HS-20-44 LOADING.
  3. SHOP DRAWINGS WILL BE REQUIRED TO BE SUBMITTED FOR APPROVAL. THE SHOP DRAWINGS SHALL BE STAMPED BY A PROFESSIONAL ENGINEER REGISTERED IN MASSACHUSETTS.

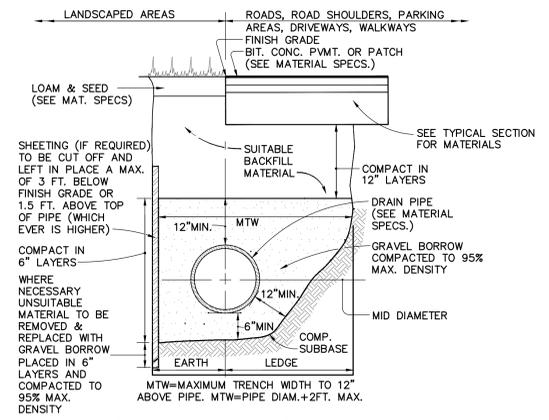
**DOGHOUSE DRAIN MANHOLE DETAIL**  
NOT TO SCALE



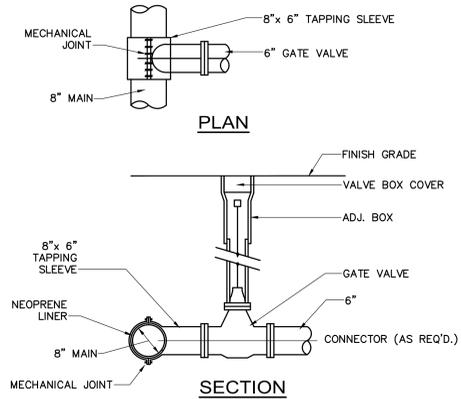
**AREA DRAIN IN PAVEMENT**  
NOT TO SCALE



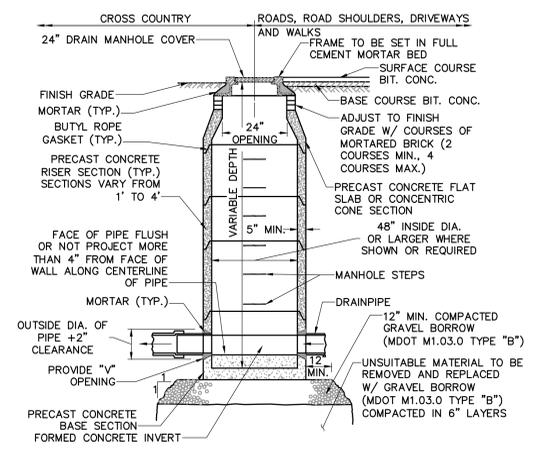
**TYPICAL CATCH BASIN DETAIL**  
NOT TO SCALE



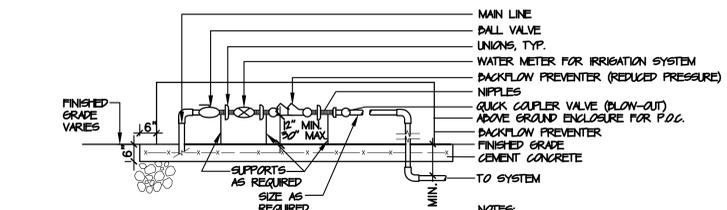
**STANDARD TRENCH DETAIL FOR UTILITY PIPE**  
NOT TO SCALE



**TAPPING SLEEVE, VALVE & BOX DETAIL**  
NOT TO SCALE



**TYPICAL DRAIN MANHOLE DETAIL**  
NOT TO SCALE



**POINT-OF-CONNECTION (P.O.C.)**  
NOT TO SCALE

- NOTES:**
1. BACKFLOW PREVENTER INSTALLED PER 910 CMR SECTION 22.22
  2. CONTRACTOR TO PULL ALL NECESSARY PERMITS FOR ALL P.O.C. WORK

**PLANNING BOARD APPROVAL**

BERNARD CAHILL, CHAIR

GREG TUZZOLO

LINDA CONNOLLY

ANDREW D'AMOUR

WILLIAM J. GOSZ

THIS SITE PLAN DOES NOT NECESSARILY INDICATE COMPLIANCE WITH THE MAYNARD ZONING BYLAW.

I, \_\_\_\_\_ TOWN CLERK OF MAYNARD, MA HEREBY CERTIFY THAT THE NOTICE OF APPROVAL OF THIS PLAN BY THE PLANNING BOARD HAS BEEN RECEIVED AND RECORDED AT THIS OFFICE AND NO APPEAL WAS RECEIVED DURING THE NEXT TWENTY DAYS AFTER RECEIPT AND RECORDING OF SAID NOTICE.

**MPA MARGULIES PERRUZZI ARCHITECTS**  
308 Congress Street | Boston, MA 02210 | 617.482.3322 | [www.mpa-architects.com](http://www.mpa-architects.com)

Design for the way you work.

**CLIENT INFORMATION**

**MILL & MAIN RENOVATION PHASE 1 & 1A**

**AS CLOCK TOWER OWNER LLC**  
146 MAIN STREET  
MAYNARD, MA 01754

**CONSULTANT INFORMATION**

**MEP ENGINEERS**  
AFA CONSULTING ENGINEERS  
1121 WASHINGTON ST., #2  
WASHINGTON ST., #2046  
BOSTON, MA 02108  
(617) 537-3000

**CIVIL ENGINEER**  
NITCH ENGINEERING  
100 STATE ST., SUITE 405  
BOSTON, MA 02108  
(617) 338-0503

**LANDSCAPE DESIGN**  
BROWN, RICHARDSON, & ROWE  
295 BIRNINGHAM AVE., #305  
BOSTON, MA 02115  
(617) 567-9300

**GEOTECHNICAL CONSULTANT**  
HALEY & ALBRICH, INC.  
465 MERRIMACK STREET, SUITE 2200  
BOSTON, MA 02119  
(617) 866-9799

**REVISIONS**

NUMBER	DESCRIPTION	DATE

**STAMP**

**KEY PLAN**

DATE: J2/01/15  
SCALE: As indicated  
DRAWN BY: NGG  
PROJECT NUMBER: 10836  
DRAWING TITLE: CIVIL DETAILS

**C-5.02**  
DRAWING NUMBER