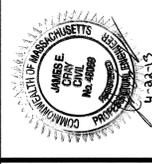


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NO.	DATE	APPROVED BY	REVISIONS
4-13	4-13	JEC	
4-18	4-18	JEC	

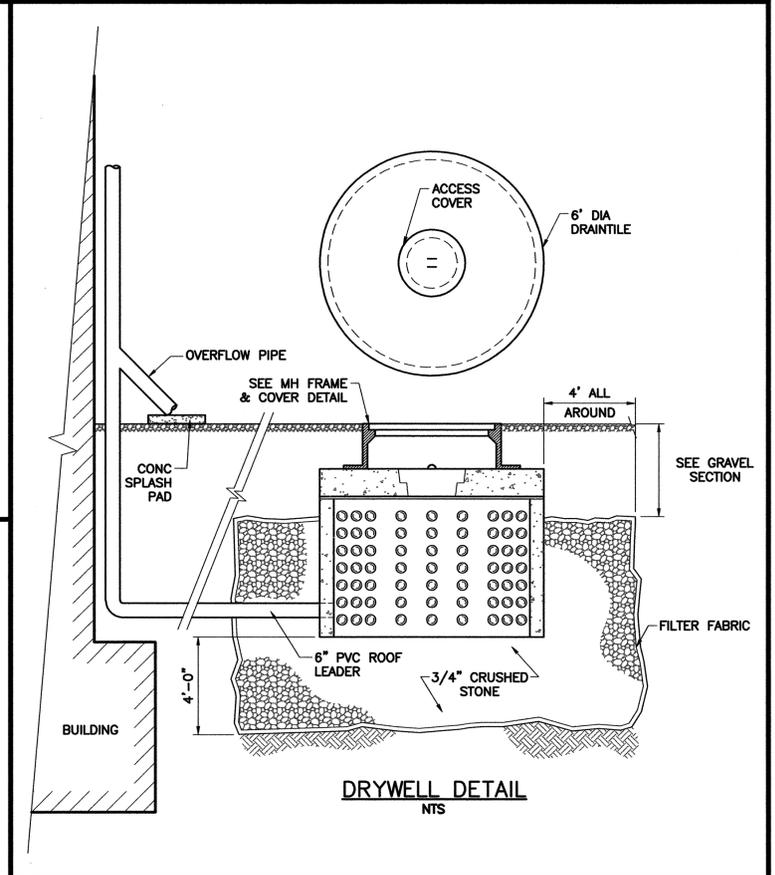
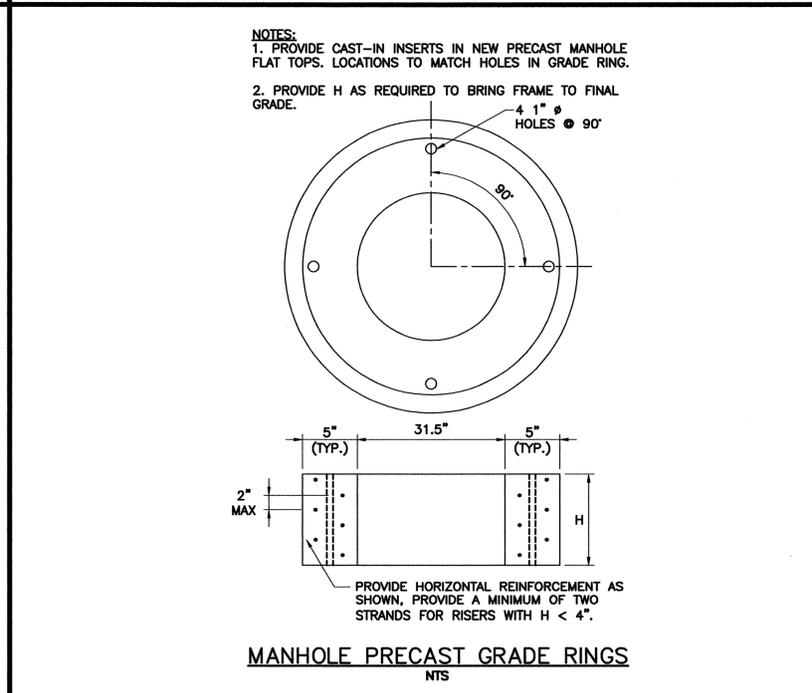
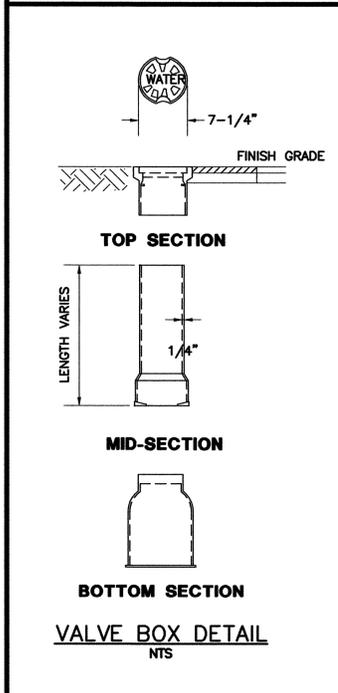
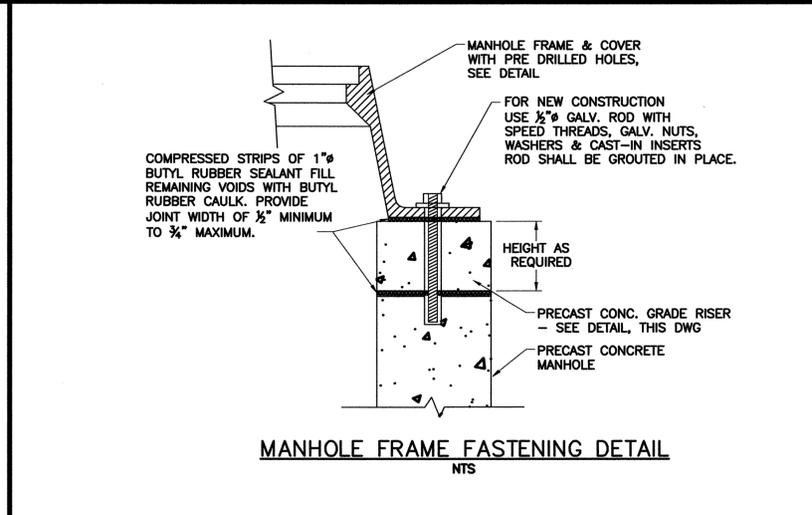
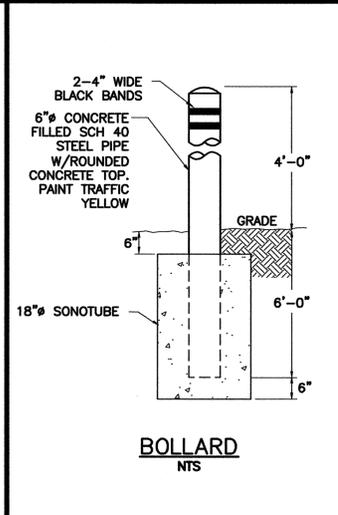
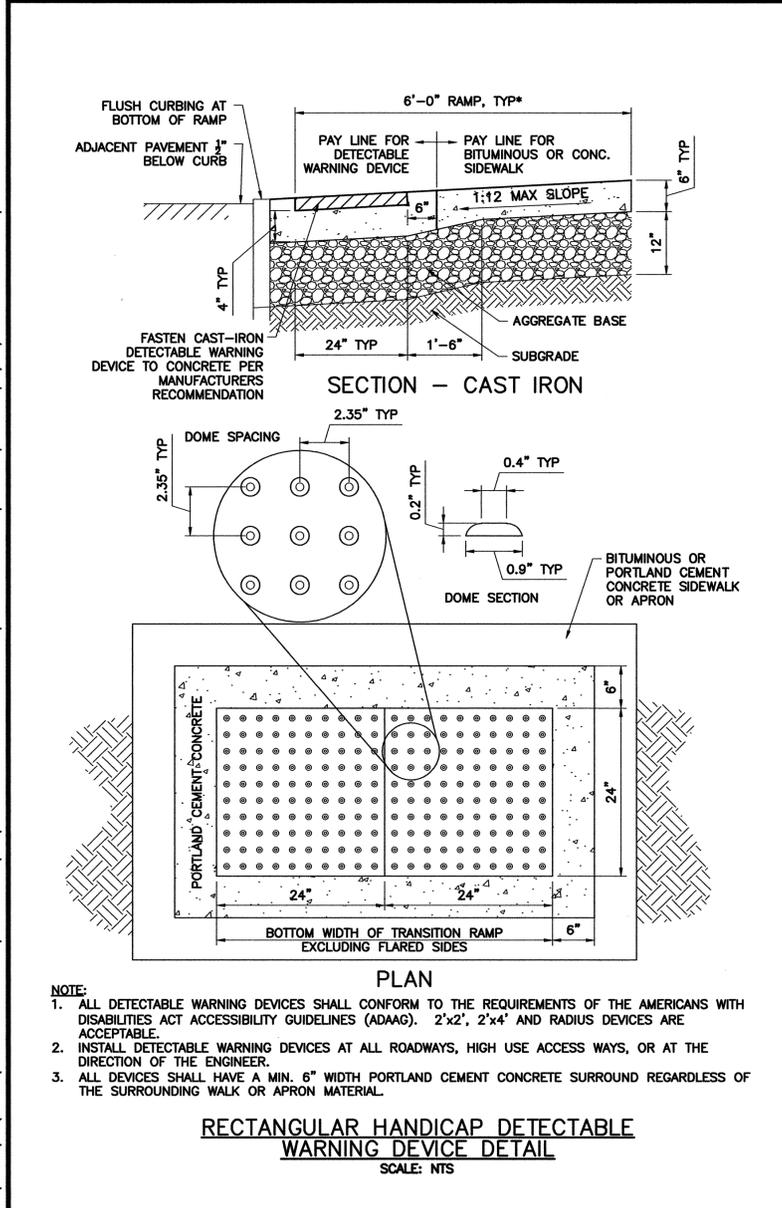
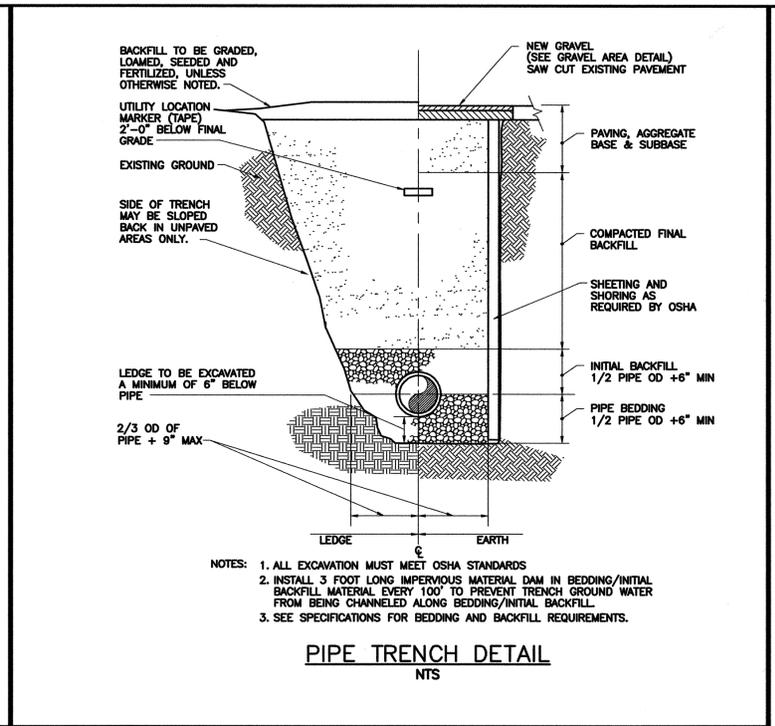
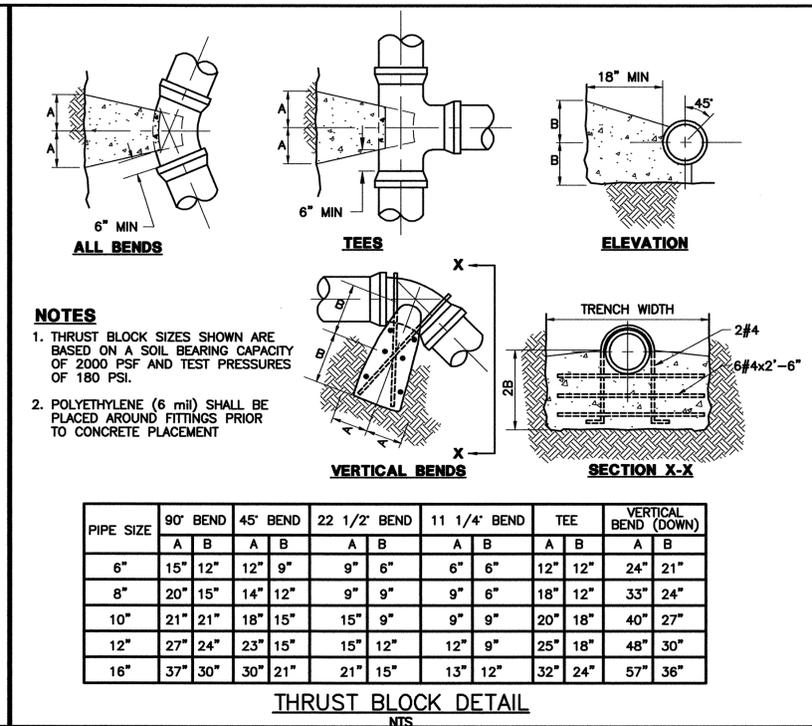
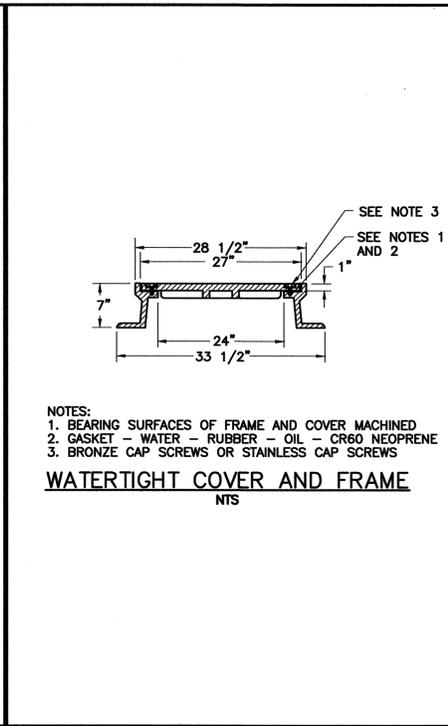
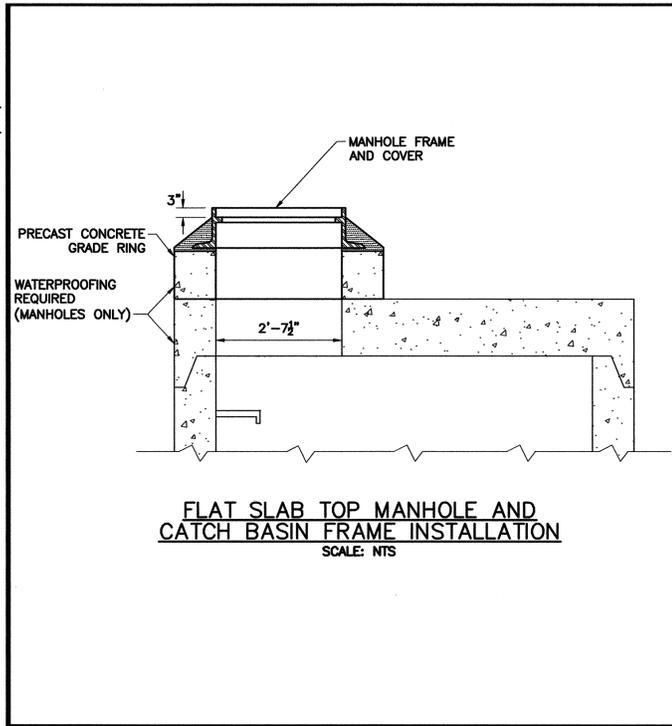
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DATE: 4-18-13	DATE: 4-18-13	DATE:	

DESIGNED BY: LAB	CHECKED BY: JAM	APPROVED BY:	PROJECT NO: 12254E
DATE: 4-18-13	DATE: 4-18-13	DATE:	



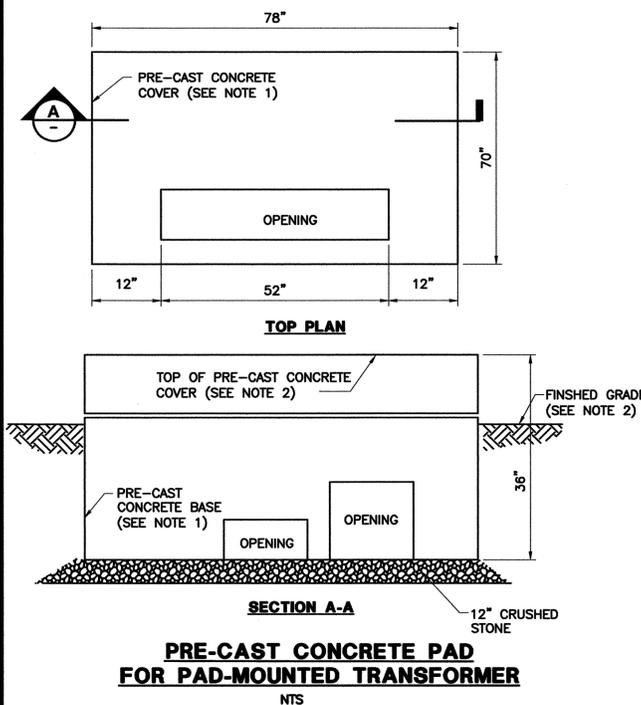
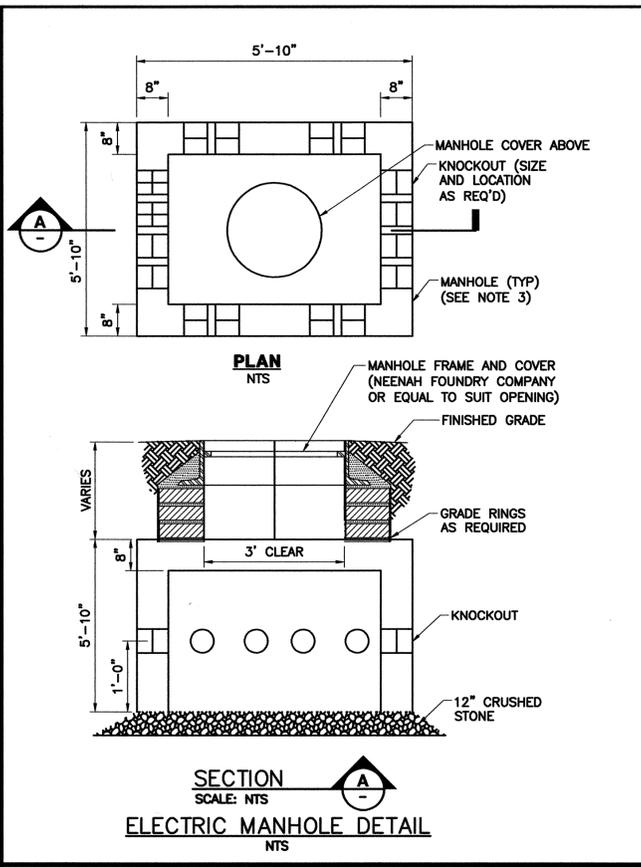
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ACTON, MASSACHUSETTS
SOUTH ACTON WATER TREATMENT PLANT
CIVIL DETAILS I
DRAWING
C-11



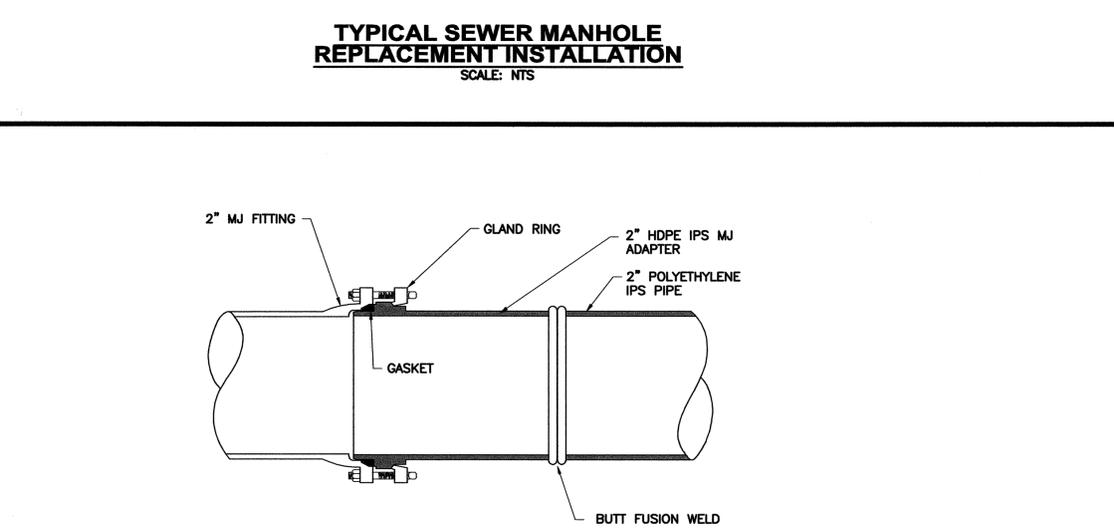
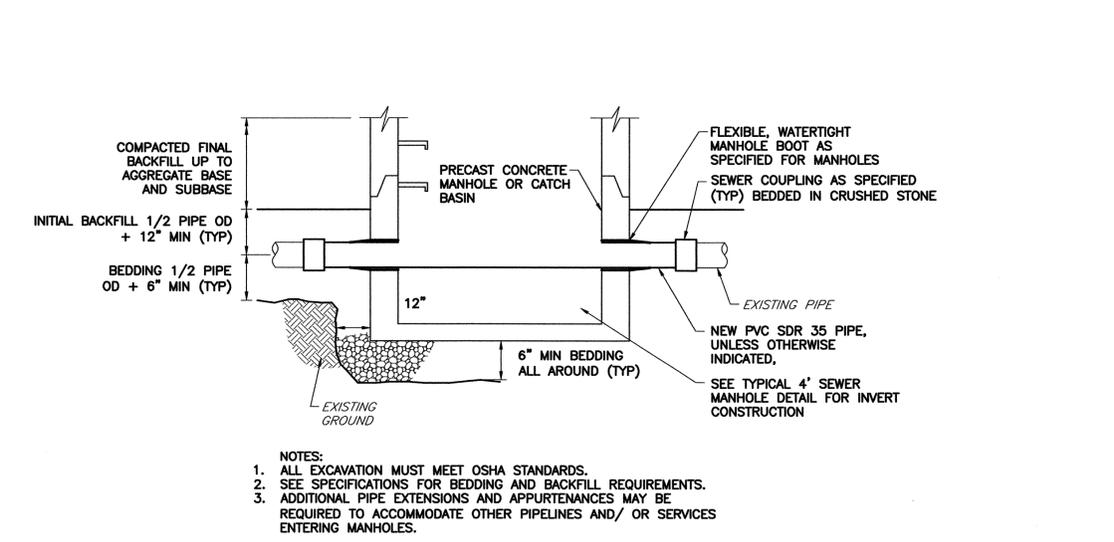
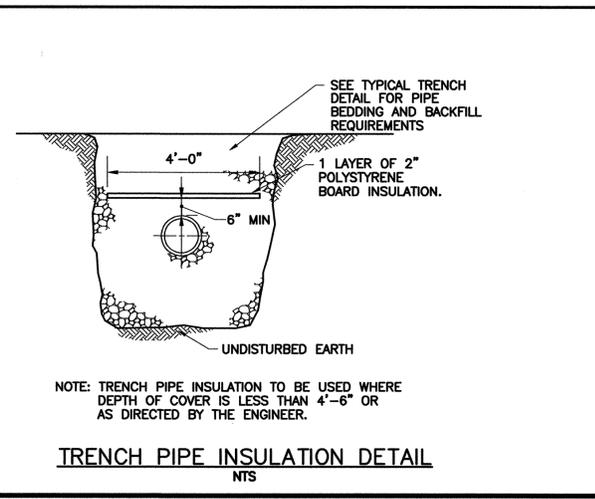
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APPROVED BY: [Signature] DATE: 4-13-13
 CHECKED BY: JEC DATE: 4-18-13
 PROJECT NO: 12254E
 DESIGNED BY: LAB
 CIVIL ENGINEER
 PROJECT NO: 12254E
 DATE: 4-21-13
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 ACTON, MASSACHUSETTS
 SOUTH ACTON WATER TREATMENT PLANT
 CIVIL DETAILS II
 DRAWING
 C-12

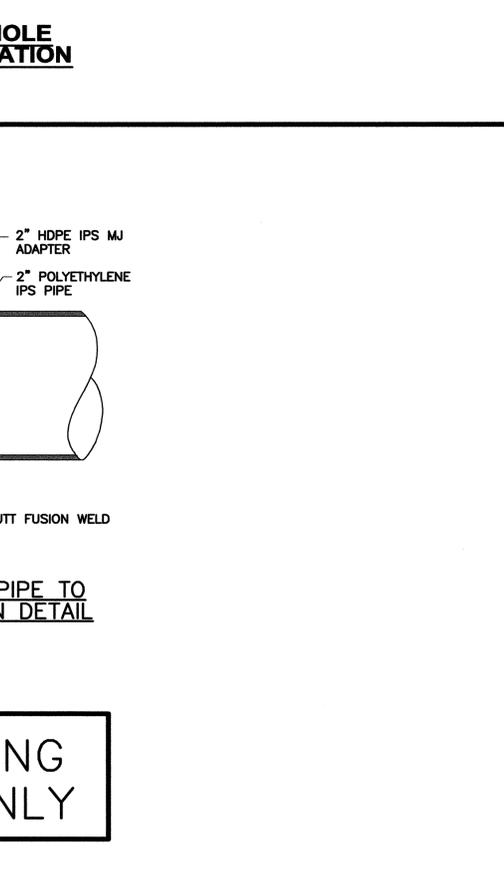
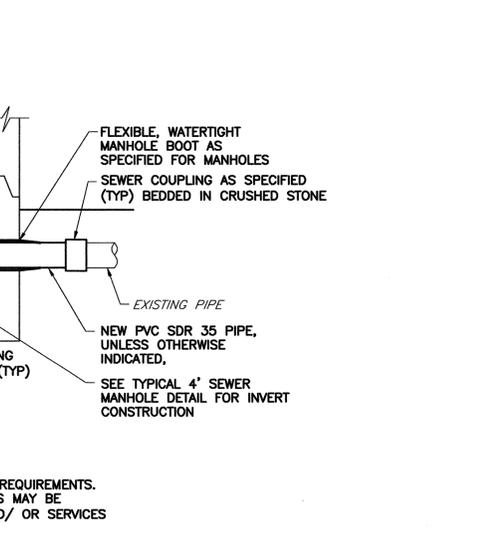
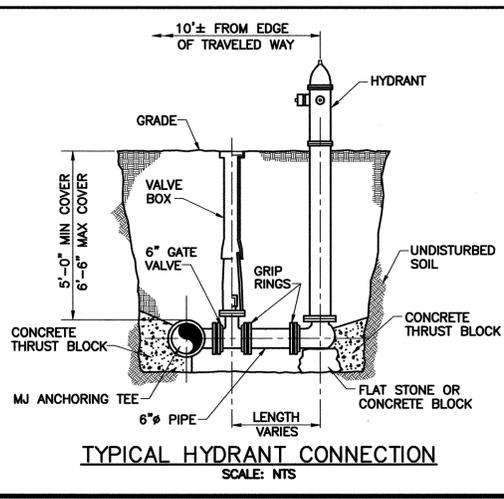


NOTES:

1. THE PRE-CAST CONCRETE PAD SHALL BE AS REQUIRED BY THE POWER COMPANY FOR THIS PROJECT. COORDINATE WITH THE POWER COMPANY FOR FINAL REQUIREMENTS. THE REQUIREMENTS UNDER DIVISION 2 OF THIS CONTRACT SHALL BE TO FURNISH AND INSTALL THIS EQUIPMENT AS REQUIRED BY THE POWER COMPANY. COORDINATE ALL WORK WITH DIVISION 16 - ELECTRICAL AND THE POWER COMPANY AS TO THE REQUIRED CONDUIT LOCATIONS, FINAL PAD LOCATION, SIZE, ELEVATION AND FINAL INSTALLATION.
2. COORDINATE FINAL ELEVATION OF PRE-CAST CONCRETE COVER WITH THE POWER COMPANY.
3. ELECTRIC MANHOLE DETAILS AND SIZING HAVE BEEN SHOWN AS NOTED ON THIS DRAWING. FURNISH AND INSTALL THESE STRUCTURES IN ORDER TO PROVIDE CONDUIT AND CABLE INSTALLATIONS TO THE REQUIRED EQUIPMENT FOR THIS PROJECT. THE SITE CONDITIONS ARE VERY LIMITED FOR SPACE AND THEREFORE ADJUSTMENTS IN THE FINAL OVERALL DIMENSION AND LOCATIONS OF THOSE STRUCTURES NEEDS TO BE COORDINATED WITH DIVISION 16. PRIOR TO SUBMITTING THESE STRUCTURE COORDINATE WITH DIVISION 16 AS TO THE FINAL CONDUIT ROUTING, LOCATIONS AND SPACE REQUIREMENTS WITHIN THESE STRUCTURES IN ORDER TO MEET NATIONAL ELECTRIC CODE (NEC) REQUIREMENTS FOR PROPER CABLE PULLS AND INSTALLATION. THIS SHALL BE REQUIRED FOR FINAL OVERALL DIMENSIONS OF STRUCTURES.

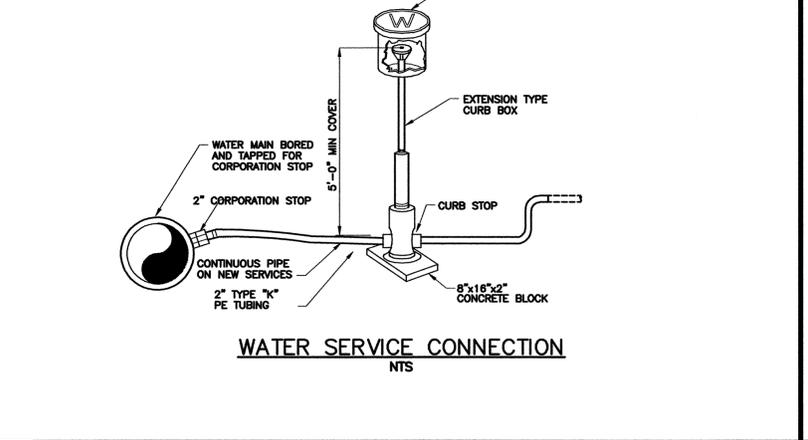


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NOTES:

1. THIS SECTION IS SHOWN FOR TWO PIPES. IT IS TO BE USED FOR ANY NUMBER OF PIPES.
2. SEE SPECIFICATIONS FOR BEDDING AND BACKFILL MATERIALS AND COMPACTED BACKFILL REQUIREMENTS.
3. PIPE SPACING SHOWN IS TYPICAL UNLESS OTHERWISE INDICATED.
4. DO NOT USE FOR SEPARATION OF WATER AND SANITARY LINES



NOTE: JOINTS ON EACH PIPE TO BE AS FAR FROM INTERSECTION AS POSSIBLE.

APPROVED	DATE	4-13
DESIGNED BY	LAB	
CAD COORD.	JJM	
CHECKED BY	JEC	4-18
DATE		
APPROVED BY		
DATE		
PROJECT NO.	12254E	

DESIGNED BY: LAB
 CAD COORD: JJM
 CHECKED BY: JEC
 DATE: 4-18
 APPROVED BY:
 DATE:
 PROJECT NO: 12254E

60% Review
 FOR PERMITTING

ACTON WATER DISTRICT
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