



State of Rhode Island
Department of Administration / Division of Purchases
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ADDENDUM # 4

**RFQ #7449366 TITLED: New Water Meter Station at the Lincoln
Campus - CCRI**

OPENING DATE & TIME: 3/8/12 @ 2:00 PM

The addendum consists of two (2) revised pdf drawings
&
Answers all questions submitted

Please see Attached.

Gary P. Mosca
Gary P. Mosca
Buyer

ADDENDUM NO. 4**New Water Meters**

Jenckes Hill Road (Rt. 123)

Flanagan Campus

Community College of Rhode Island (CCRI)

The following changes, additions, and deletions to the Drawings and Specifications shall be considered part of the Contract Documents called **New Water Meters Community College of Rhode Island Flanagan Campus Lincoln, RI**, dated September, 2011. This Addendum consists of five (5) pages:

BIDDER QUESTIONS:

The following items are questions from prospective bidders made up to the closing of the question period:

ITEM NO. 1 – *Question:* Construction access road shown on 4 of 4 shows 50' minimum and going to public road (Rt 123) but it is only about 25' to Rt 123. Should this be to Davies tech driveway or length adjusted?

Answer: The access to the new meter hot box site is via the 30' Utility Easement that abuts the Rt 123 right-of-way. The length of the construction access is based on the existing site conditions encountered and not the length shown on the RIDOT Standard Detail 9.9.0. A suggested location is now shown on sheet 3 of 4.

ITEM NO. 2 – *Question:* New detail for the in line drain under the hot box has the line just going past slab. With the water table in this area should this piping have a backwater valve on it, and should this drop into a crushed stone area (only seems to be under pipe and not at outlet)? If so can you please provide some detail? Is this drain even required in a hot box outside?

Answer: The drain is being installed at the request of the Water Authority. A backflow valve will not be required for this installation. A flared end section on the end of the pipe will be sufficient for this application.

ITEM NO. 3 – *Question:* On item #5 response in addendum No.2, does this include the Field house? With the new main into the building, saw cutting concrete placement, removal and re install of new equipment and piping this time will exceed the time shown in response #5.

Answer: This does not include the Field House.

ITEM NO. 4 – *Question:* Where the water comes into the field house it is going to require saw cutting of the floor inside the mechanical room to get new riser in the building. Is there any detail on existing concrete? Since there is a concrete basin there has anyone verified that the concrete there is not as deep as the 4' deep pit? And if so how is this to be addressed as

this will add substantial time to this task.

Answer: Based on the original record drawings of the building the floor thickness is 6”.

ITEM NO. 5 – *Question:* Has anyone been able to identify if there is any electrical (or any utilities) that cross the area where the excavation is required to bring in new 4” service?

Answer: Based on the original drawings of this area there does not appear to be any other utilities crossing over or under the existing water services. The contractor is responsible to identify all existing utilities before excavation is conducted anywhere on the property either via Dig Safe or private utility locators.

ITEM NO. 6 – *Question:* There is no floor Drain under the RPBF in the main building. Is this acceptable?

Answer: A relief port drain for the RPZ has now been proposed for that area, see sheet 4 of 4.

ITEM NO. 7 – *Question:* Can the base of the vault be left in place and filled in above or must the entire vault be removed?

Answer: The vault is to be removed in its entirety.

ITEM NO. 8 – *Question:* Is the piping in the field house mechanical room to be re insulated?

Answer: Yes. The specification for that insulation is as follows:

- A. Pipe and equipment installed in the Field House shall be covered as follows:
 1. All cold water piping: 1/2 in. glass fiber, 3-1/2 pound density, snap-on fiberglass insulation with vapor barrier jacket and self-sealing lap.
 2. All valves and fittings shall have fiberglass insulation and covered with Manville's Zeston or Proto, PVC fitting covers with a 25/50 flame and smoke rating. The covers shall be Manville's Zeston or an approved equal. The covers shall be secured in place with a 1-inch wide white vinyl tape on all seams joints and throat. No tacks or staples will be allowed on this project.
- B. All pipe insulation shall be covered with a fire retardant vapor jacket in accordance with NFPA. Jacket shall be constructed of outer layers of white kraft paper and one mil aluminum foil with a glass fiber reinforcing between, laminated together with fire retardant adhesive. This jacket shall have a water vapor permeability of .02 perms.
- C. Joints: The end joints of insulation shall be tightly butted and covered with factory furnished end joint sealing tapes. The jacket overlap shall be sealed with an approved sealer which shall not mar the jacket finish. End joints on cold water piping shall be sealed with vapor barrier mastic.
- D. All sealer, solvents, tapes, adhesives and mastics used in conjunction with the installation of all insulation specified under this section of the specifications,

shall pass the maximum possible fire safe qualities available and be of a type approved under NFPA or NFBU 91A and 90B Standards. The flame-spread rating shall not exceed 25. Smoke development rating shall not exceed 50.

- E. No covering will be applied until the piping has passed all tests as required by the Engineer and Facility staff.
- F. All covering shall be Gustin Bacon, Johns-Manville, Owens Corning Fiberglass Co., or equal by recognized manufacturer, and shall be installed by reputable Sub-subcontractors regularly engaged in this work and employing particularly skilled therein.

MODIFICATIONS TO PROJECT MANUAL:

None for this addendum.

MODIFICATIONS TO PROJECT DRAWINGS:

ITEM NO. 9 – Remove existing Sheet 3 of 4 and replace with new Sheet 3 of 4 with Revision No. 2, 2-28-12, Addendum No. 3 in revision box. Revisions have been made to this sheet as follows:

1. A construction access (RI STD. 9.9.0) is now shown in a suggested location.
2. The existing domestic water service outside the building has been identified on the record drawings as a 6" water service. The connection detail to this line has been revised.

ITEM NO. 10 – Remove existing Sheet 4 of 4 and replace with new Sheet 4 of 4 with Revision No. 2, 2-28-12, Addendum No. 3 in revision box. Revisions have been made to this sheet as follows:

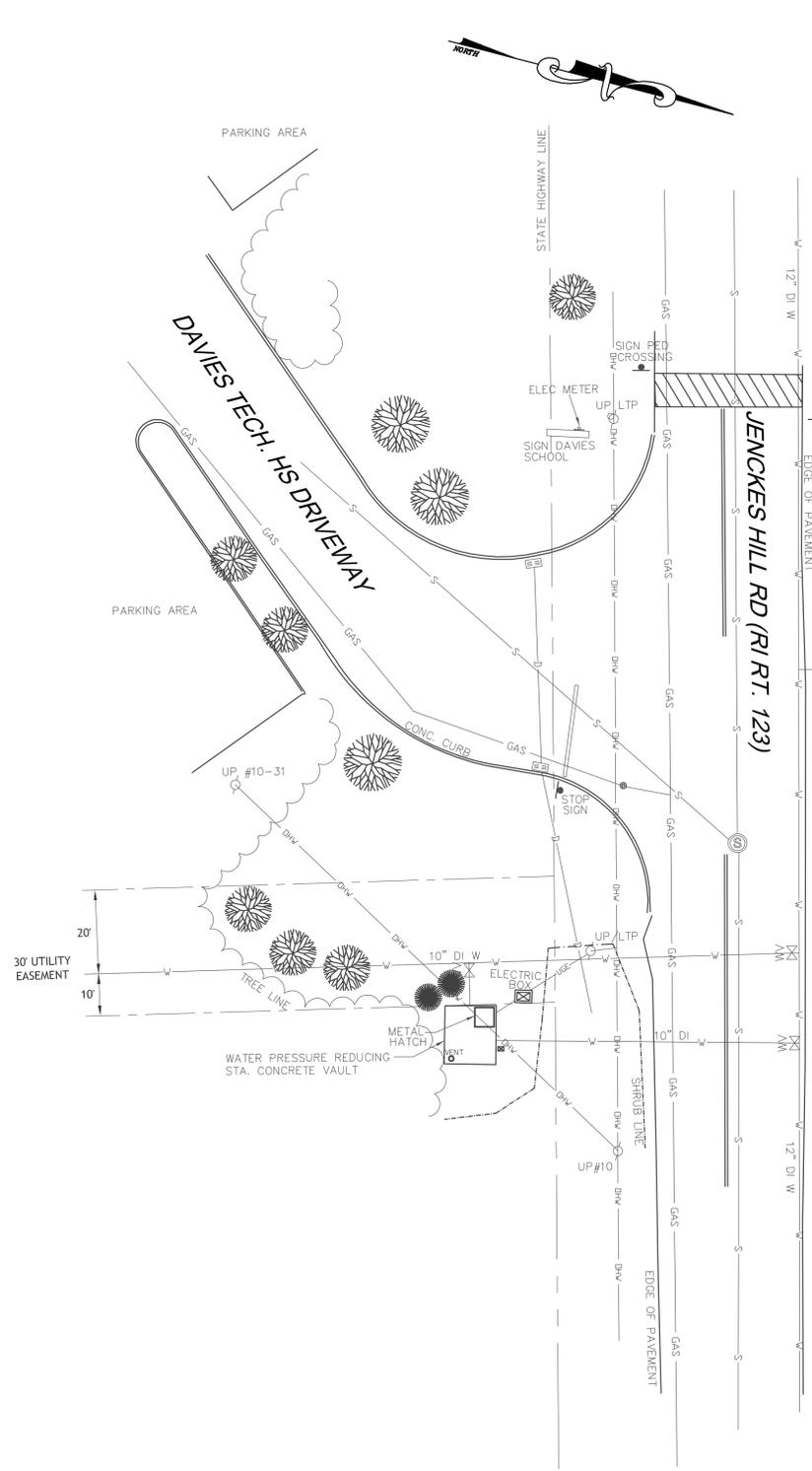
1. Added new RPZ relief drain to the Main Building Water Meter Replacement Detail.
2. Revised the New 4" actuated valve from a butterfly valve to a ball valve in the Main Building Water Meter Replacement Detail.
3. Revised New 4" OS&Y on the new drain line to a New 4" OS&Y Ball valve type.
4. Add re-insulate pipes to the Field House Water Meter Replacement Detail.

ADDITIONAL INFORMATION:

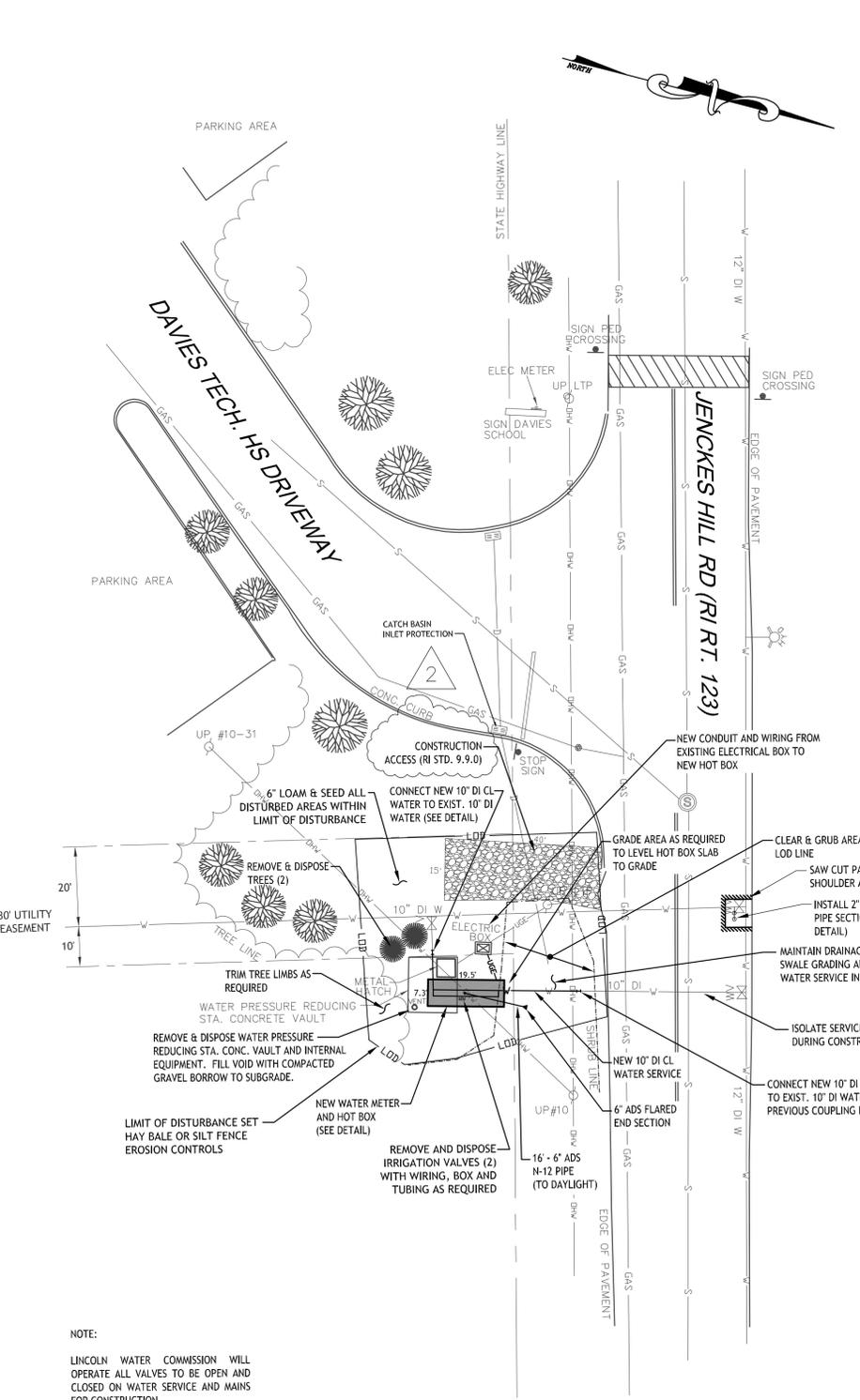
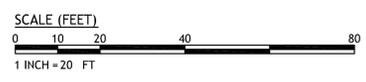
None for this addendum.

END OF ADDENDUM NO. 3

No. D'Amico Engineering Technology, Inc. 10-0018 Community College of Rhode Island Campus - Water Meter Plan Set 9-19-11 addendum 2.dwg Feb. 28, 2012 4:48pm



EXISTING CONDITIONS PLAN

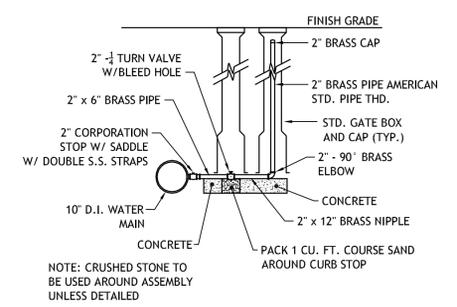


SITE PLAN

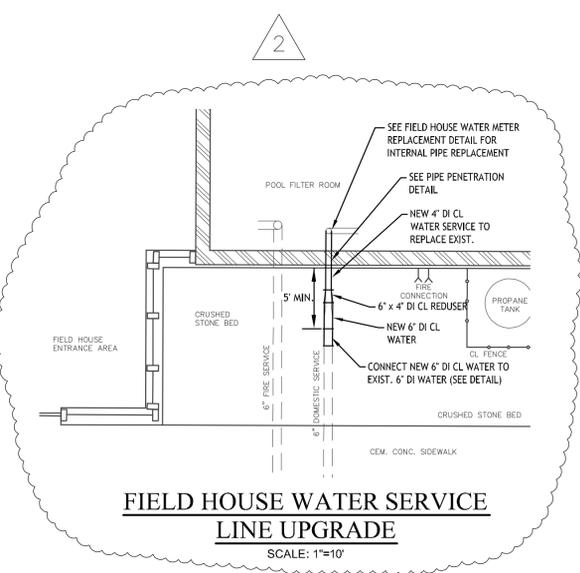
NOTE:
LINCOLN WATER COMMISSION WILL OPERATE ALL VALVES TO BE OPEN AND CLOSED ON WATER SERVICE AND MAINS FOR CONSTRUCTION.

LEGEND

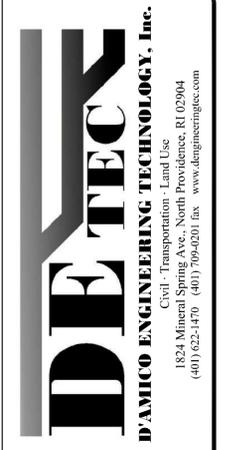
	PROPERTY LINE (HIGHWAY LINE)
	ABUTTER LINE
	EXISTING CURBING
	DRILL HOLE (FOUND)
	IRON ROD/PIPE (FOUND)
	GRANITE BOUND (FOUND)
	EXISTING FENCE
	OVERHEAD WIRES
	UNDERGROUND ELECTRIC
	WATER LINE
	SEWER LINE
	UTILITY POLE
	EXISTING DRAINAGE MANHOLE
	EXISTING CATCHBASIN
	EXISTING SANITARY SEWER MH
	EXISTING HYDRANT
	LIGHT POLE
	RETAINING WALL
	GAS LINE
	EXISTING GRADE
	PROPOSED GRADE
	PROPOSED SPOT GRADE



PERMANENT 2" BLOWOFF ASSEMBLY
SCALE: NA



FIELD HOUSE WATER SERVICE LINE UPGRADE
SCALE: 1"=10'



NEW WATER METERS
JENCKES HILL ROAD (Rt. 123)
LINCOLN, RHODE ISLAND
AP 43, LOTS 16 AND 17



REVISIONS:

NO.	DATE	DESCRIPTION
1	2-13-12	ADDENDUM NO. 2
2	2-28-12	ADDENDUM NO. 3

DESIGNED BY: - DMD
DRAWN BY: -
CHECKED BY: - DMD
DATE: - SEPT. '11
PROJECT NO: - 10-0018-04

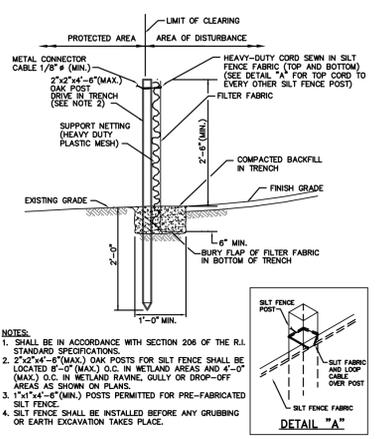
BID PLAN SET

WATER METER INSTALLATION PLAN

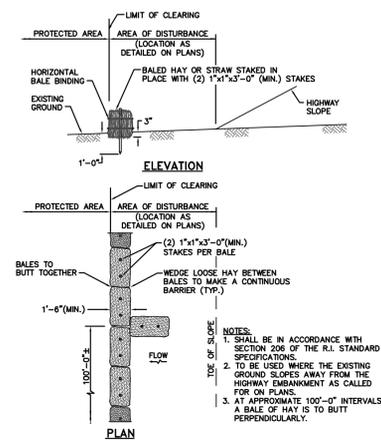
SHEET 3 OF 4

ADDENDUM NO. 3

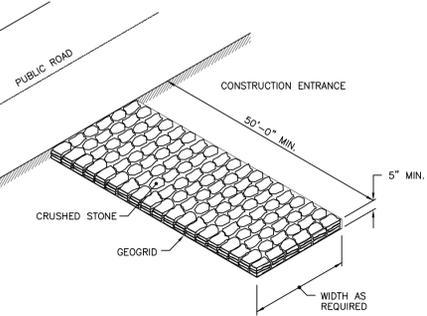
N:\D:\Amico Engineering Technology, Inc\10-0018 Community College of Rhode Island Campus - Water Meter Plan\1000 Technical\402 Plans\CCRI Flanagan Water Meter Plan Set 9-19-11 addendum 2.dwg Feb. 28, 2012 6:03pm



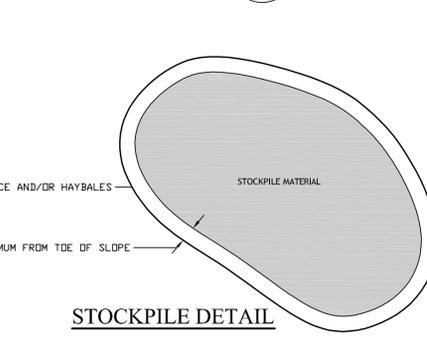
SILT FENCE DETAIL
N.T.S. R.I. STANDARD 9.2.0



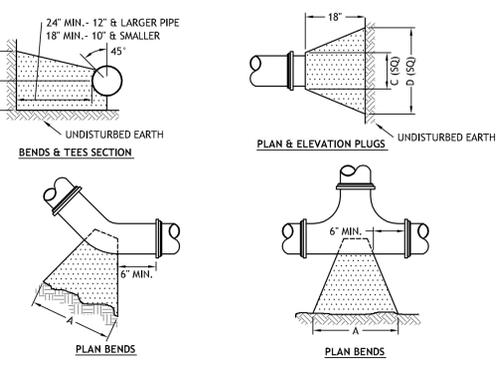
BALED HAY EROSION CHECK
N.T.S. R.I. STANDARD 9.1.0



CONSTRUCTION ACCESS
N.T.S. R.I. STANDARD 9.9.0

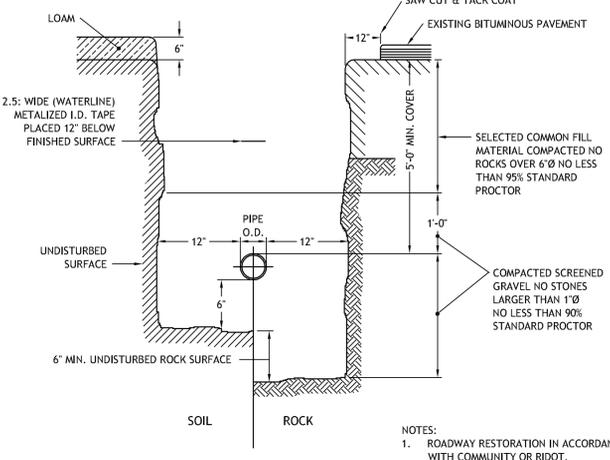


STOCKPILE DETAIL

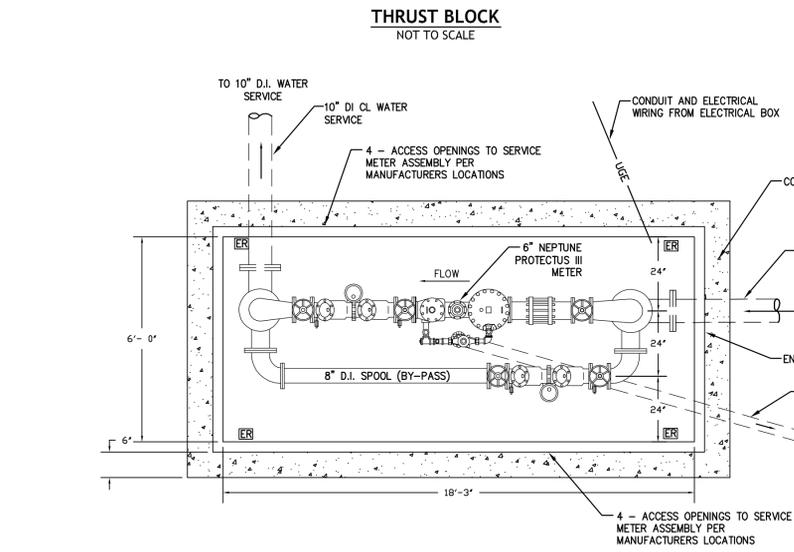


BENDS & TEES SECTION
PLAN BENDS
N.T.S.

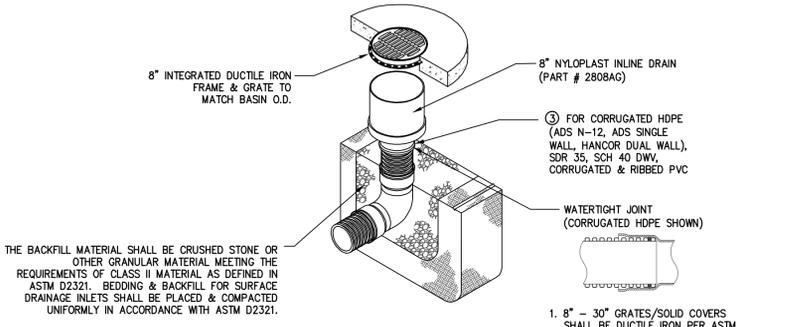
SIZE	TEES			PLUGS			90° BEND		45° BEND		22 1/2° BEND		11 1/4° BEND	
	A	B	C	A	B	D	A	B	A	B	A	B	A	B
4"	22"	12"	22"	12"	24"	16"	20"	10"	14"	7"	11"	5"		
6"	30"	18"	30"	24"	36"	22"	27"	15"	19"	12"	13"	8"		
8"	38"	24"	38"	32"	50"	29"	33"	22"	25"	14"	19"	10"		



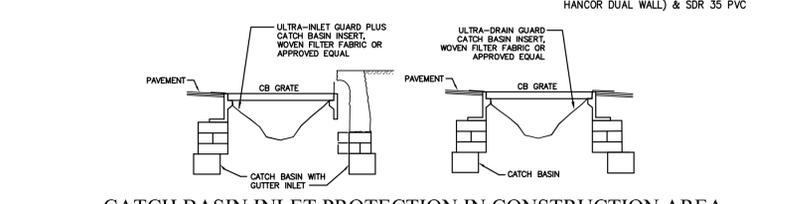
TRENCH INSTALLATION IN ROCK AND SOIL
NOT TO SCALE



WATER METER AND RPZ PLAN-VIEW DETAIL
NOT TO SCALE

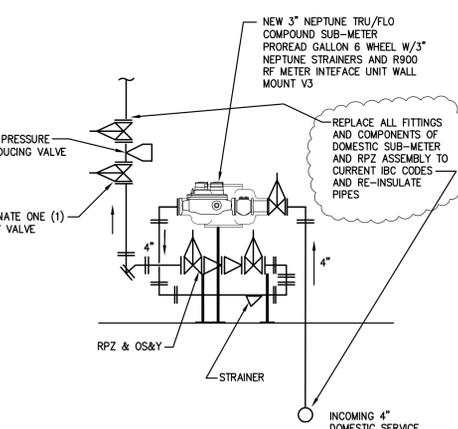


NYLOPLAST INLINE DRAIN
N.T.S.

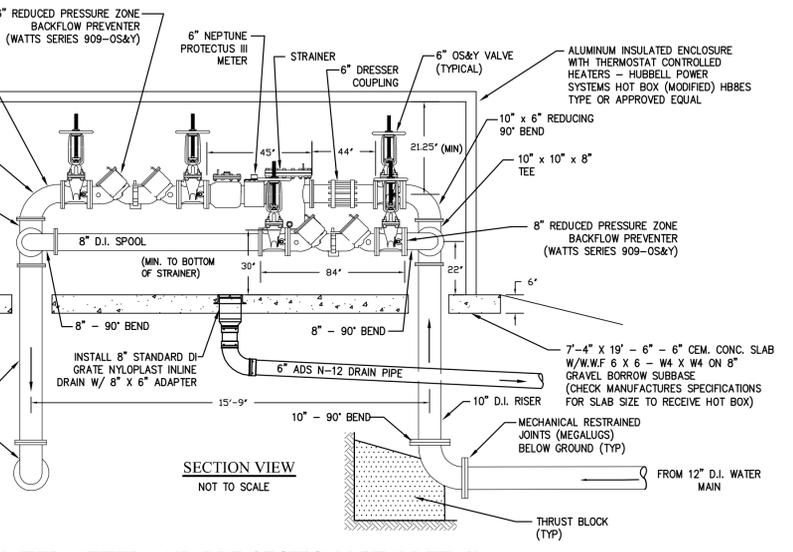


CATCH BASIN INLET PROTECTION IN CONSTRUCTION AREA
NOT TO SCALE

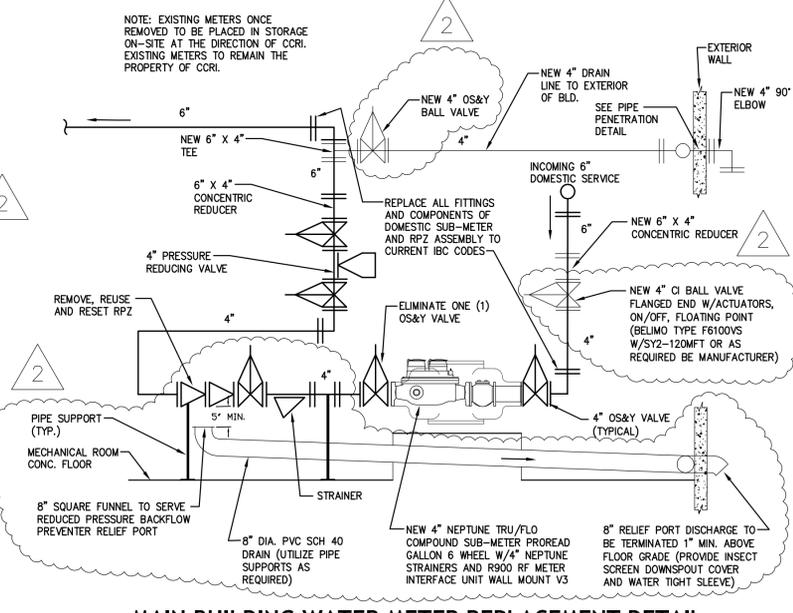
- WATER METER GENERAL NOTE(S):**
- WATER METER AND RPZ SHALL BE PROTECTED FROM FREEZING AT ALL TIMES VIA USE OF A HOT BOX PER LINCOLN WATER COMMISSION STANDARDS.
 - HOT BOX ENCLOSURE SHALL BE HEATED AND INSULATED TO ENCLOSE THE WATER METER AND RPZ WITH THERMOSTAT CONTROLLED HEATING UNIT.
 - ELECTRICAL POWER FOR NEW WATER METER TO BE TAKEN FROM EXISTING ELECTRICAL PEDESTAL BOX IN ACCORDANCE WITH NEG STANDARDS.
 - ER - DENOTES GENERAL LOCATION OF ELECTRICAL G.F.I. RECEPTACLES. RECEPTACLES TO BE MOUNTED A MINIMUM OF 30" ABOVE TOP OF SLAB.
 - ACCESS OPENINGS (4 EACH SIDE) TO BE DETERMINED BY MANUFACTURER TO PROPERLY SERVICE THE WATER METER EQUIPMENT. OPENINGS SHOULD BE SUPPLIED WITH LOCKABLE LATCHES WITH KEYS. ONE SET OF KEYS SHOULD BE SUPPLIED TO LINCOLN WATER COMMISSION.
 - ENCLOSURE SHOULD BE AN ENGINEERED THERMOSTAT CONTROLLED HEATED INSULATED ALUMINUM HUBBELL POWER SYSTEMS HOT BOX (MODIFIED) HBBS TYPE OR APPROVED EQUAL.



FIELD HOUSE WATER METER REPLACEMENT DETAIL
NOT TO SCALE

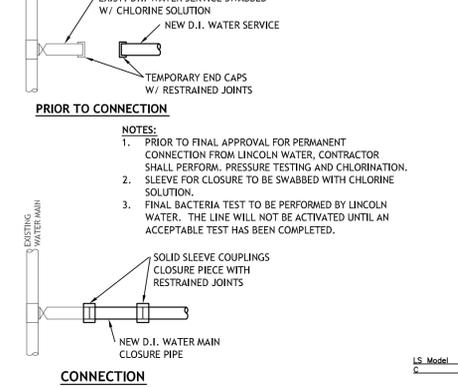


WATER METER AND RPZ SECTION-VIEW DETAIL
NOT TO SCALE

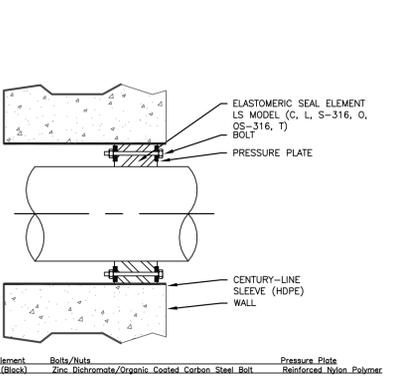


MAIN BUILDING WATER METER REPLACEMENT DETAIL
NOT TO SCALE

ADDENDUM NO. 3



CONNECTION OF NEW WATER MAIN TO EXISTING WATER MAIN
NOT TO SCALE



PIPE PENETRATION LINK SEAL DETAIL
NOT TO SCALE

DETEC
D'AMICO ENGINEERING TECHNOLOGY, Inc.
Civil - Transportation - Land Use
1824 Mineral Spring Ave., North Providence, RI 02904
(401) 622-1470 (401) 789-6201 fax www.damicoeng.com

NEW WATER METERS
JENCKES HILL ROAD (Rt. 123)
LINCOLN, RHODE ISLAND
AP 43, LOTS 16 AND 17

GGI
FLANAGAN
CAMPUS

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DESIGNED BY: - DMD
DRAWN BY: -
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BID PLAN SET
DETAIL PLAN
SHEET 4 OF 4