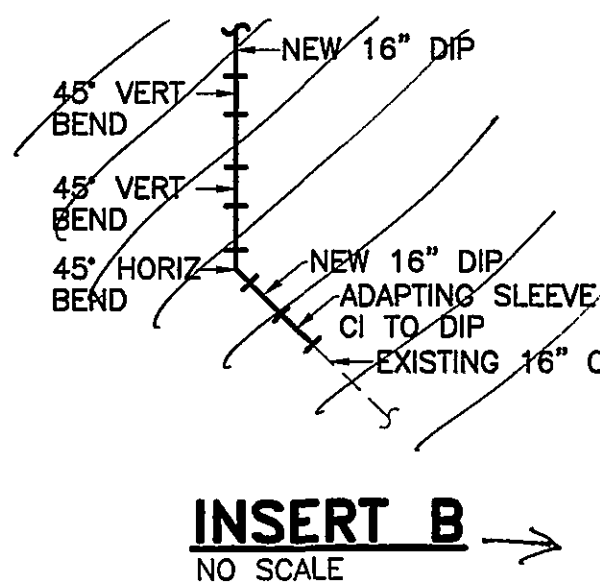
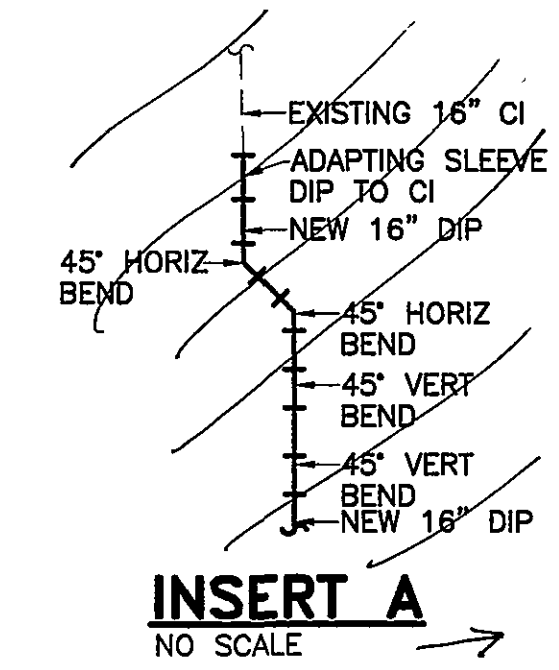


North end:
(INSERT A)



(Existing)
16" Cast iron pipe (deep end)

16" HyMax Coupling
3.75'

45° bend (Vert./Hor.)
9.5'

3 deadmans on 9.5' section, concrete over and around bends, coupling. All megalugged.

16" Ductile iron pipe (Shallow end)
(11.0' from side of bridge)

16" Ductile iron pipe

22 1/2" downward vertical bend

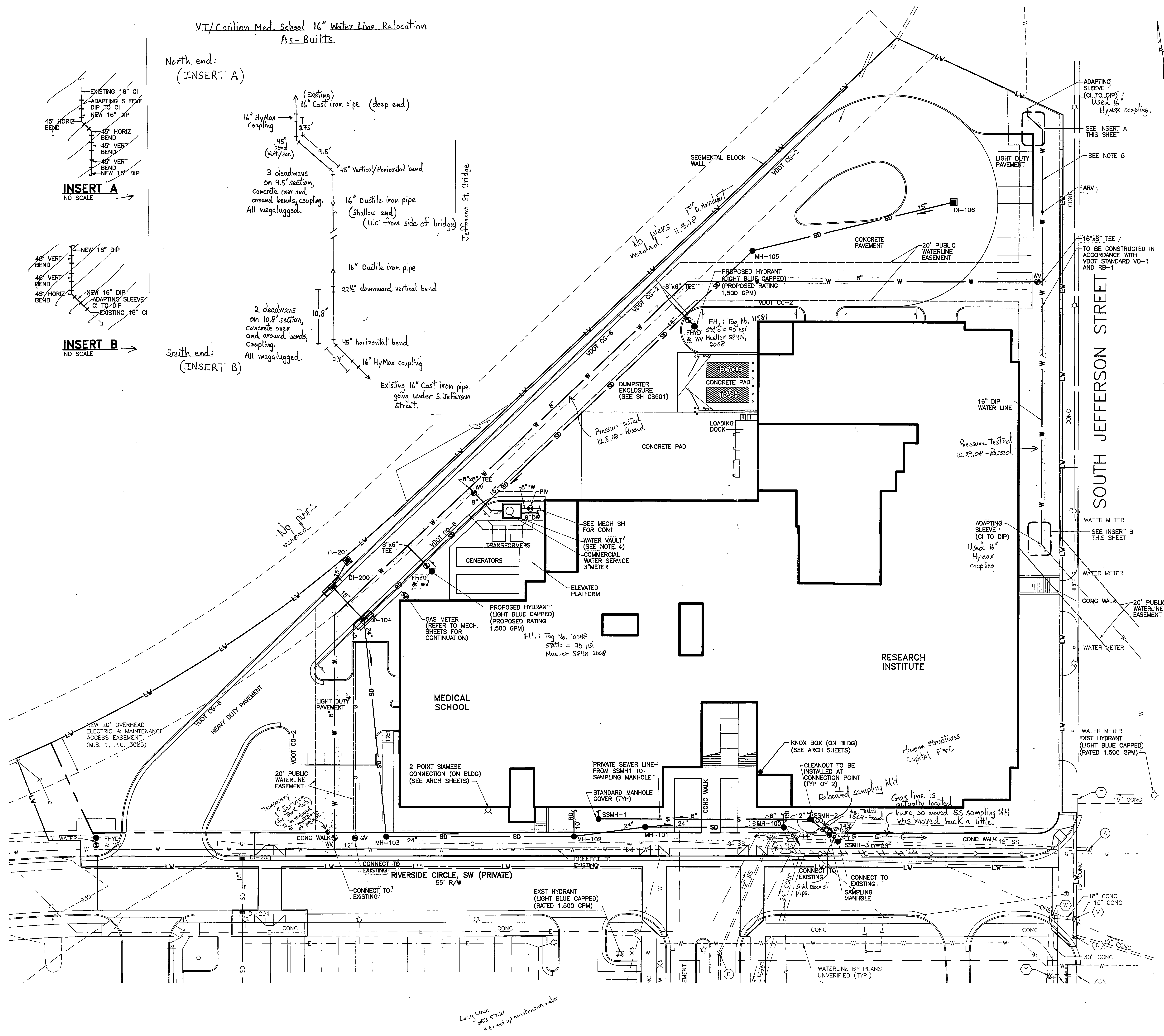
10.8'

2 deadmans on 10.8' section, concrete over and around bends, coupling. All megalugged.

45° horizontal bend
2.7'

16" HyMax coupling

South end:
(INSERT B)



1. SEE SHEET CS001 FOR SITE WORK LEGEND.
2. CONTRACTOR SHALL ADHERE TO THE WESTERN VIRGINIA WATER AUTHORITY REGULATIONS AND CONSTRUCTION GUIDELINES AND REGULATIONS.
3. SEE SHEET CS001 FOR GENERAL UTILITY AND GAS INSTALLATION NOTES.
4. THE WATER SERVICE FOR THIS PARCEL WILL REQUIRE A CONCRETE VAULT. PLEASE CONTACT BEN HOUSEKNECHT WITH CLEAR FLOW. (540) 942-3300 TO ORDER THE VAULT. THE APPLICANT IS RESPONSIBLE FOR PAYMENT, COORDINATION OF THE VAULT DELIVERY, AND INSTALLATION OF THE WATER SERVICE BETWEEN THE AUTHORITY MAIN AND THE VAULT. PRIOR TO START OF CONSTRUCTION, CALL THE AUTHORITY INSPECTOR AT (540) 537-3243. THE APPLICANT IS RESPONSIBLE FOR ALL ASPECTS AND COMPONENTS OF THE METER SERVICE AND IS IN ACCORDANCE WITH ALL WEST VIRGINIA SHORING AND EXCAVATION IN ACCORDANCE WITH OSHA STANDARDS TO BE PROVIDED BY CONTRACTOR.
5. 16-INCH WATERLINE RELOCATION SHALL BE COORDINATED THROUGH THE WESTERN VIRGINIA WATER AUTHORITY INSPECTOR.

HAYES, SEAY, MATTERN & MATTERN, INC.
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 PROFESSIONAL ENGINEER

CONSULTANT

CARILION CLINIC 
Virginia Tech 

**VIRGINIA
TECH/CARILION
SCHOOL OF
MEDICINE AND
RESEARCH
INSTITUTE**

PROJECT CODE:
208-16759

[illegible]

UTILITY PLAN

CS103

As-Built 2.16.09
K. Winslow

20' 10' 0 20' 40'
1"=20'
GRAPHIC SCALES