

UNIVERSITY OF CONNECTICUT



MAIN WATER SUPPLY LINE – PHASE 2 STORRS, CONNECTICUT

GENERAL PERMIT FOR THE DISCHARGE OF STORMWATER AND DEWATERING WASTEWATERS FROM CONSTRUCTION ACTIVITIES

STORRS CAMPUS
UCONN PROJECT NO. 901819
JULY 23, 2015

AECOM

500 Enterprise Drive, Suite 3B
Rocky Hill, Connecticut 06067
AECOM PROJECT NO. 36939950



**Connecticut Department of
Energy & Environmental Protection**

CPPU USE ONLY
App #: _____
Doc #: _____
Check #: _____

Permit Application Transmittal Form

Please complete this transmittal form in accordance with the instructions in order to ensure the proper handling of your application(s) and the associated fee(s). Print legibly or type.

Part I: Applicant Information:

- **If an applicant is a corporation, limited liability company, limited partnership, limited liability partnership, or a statutory trust, it must be registered with the Secretary of State. If applicable, applicant's name shall be stated **exactly** as it is registered with the Secretary of State.*
- *If an applicant is an individual, provide the legal name (include suffix) in the following format: First Name; Middle Initial; Last Name; Suffix (Jr, Sr., II, III, etc.).*

Applicant: University of Connecticut			
Mailing Address: 31 LeDoyt Road, Unit 3038			
City/Town: Storrs	State: CT	Zip Code: 06269-3038	
Business Phone: 860-486-9305	ext.:		
Contact Person: Jason Coite, P.E.	Phone: 860-486-9305 ext.		
E-Mail: jason.coite@uconn.edu			
Applicant (check one): <input type="checkbox"/> individual <input type="checkbox"/> *business entity <input type="checkbox"/> federal agency <input checked="" type="checkbox"/> state agency <input type="checkbox"/> municipality <input type="checkbox"/> tribal			
*If a business entity, list type (e.g., corporation, limited partnership, etc.):			
<input type="checkbox"/> Check if any co-applicants. If so, attach additional sheet(s) with the required information as supplied above.			
Please provide the following information to be used for <i>billing purposes only</i> , if different:			
Company/Individual Name:			
Mailing Address:			
City/Town:	State:	Zip Code:	
Contact Person:	Phone:	ext.	

Part II: Project Information

Brief Description of Project: <i>(Example: Development of a 50 slip marina on Long Island Sound)</i>					
Installation of 1,000 LF of 20" diameter transmission water main 6,000 LF of 16" diameter transmission water main and 2,000 LF of 8" diameter water main.					
Location (City/Town): Mansfield					
Other Project Related Permits (<i>not</i> included with this form):					
Permit Description	Issuing Authority	Submittal Date	Issuance Date	Denial Date	Permit #

Part III: Individual Permit Application and Fee Information

New, Mod. or Renew	Individual Permit Applications	Initial Fees	No. of Permits Applied For	Total Initial Fees	Original + Required Copies
	AIR EMISSIONS				
	New Source Review <input type="checkbox"/> Revision <input type="checkbox"/> minor mod	\$940.00			1 + 0
	Title V Operating Permits <input type="checkbox"/> Revision <input type="checkbox"/> minor mod <input type="checkbox"/> non-minor mod	none			1 + 0
	Title IV	none			1 + 0
	Clean Air Interstate Rule (CAIR)	none			1 + 0
	WATER DISCHARGES				
	To Groundwater	\$1300.00			1 + 1
	To Sanitary Sewer (POTW)	\$1300.00			1 + 1
	To Surface Water (NPDES)	\$1300.00			1 + 1
	INLAND WATER RESOURCES-				
	Dam Safety	none			1 + 2
	Flood Management Certification	none			1 + 1
	Inland Wetlands and Watercourses	none			1 + 5
	Inland 401 Water Quality Certification	none			
	FERC- Hydropower Projects- 401 Water Quality Certification	none			1 + 1
	Water Diversion	★			1 + 5
	OFFICE OF LONG ISLAND SOUND PROGRAMS				
	Certificate of Permission	\$375.00			1 + 2
	Coastal 401 Water Quality Certification	none			1 + 2
	Structures and Dredging/and Fill/Tidal Wetlands	\$660.00			1 + 2
	WASTE MANAGEMENT				
	Aerial Pesticide Application	★			1 + 2
	Aquatic Pesticide Application	\$200.00			1 + 0
	CGS Section 22a-454 Waste Facilities	★			1 + 1
	Disruption of a Solid Waste Disposal Area	\$0			1 + 1
	Hazardous Waste Treatment, Storage and Disposal Facilities	★			1 + 1
	Marine Terminal License	\$100.00			1 + 0
	Stewardship	\$4000.00			1 + 1
	Solid Waste Facilities	★			1 + 1
	Waste Transportation	★			1 + 0
		Subtotal ➡			
GENERAL PERMITS and AUTHORIZATIONS		Subtotals Page 3 & 4 ➡	1	3,000	
Enter subtotals from Part IV, pages 3 - 6 of this form		Subtotals Page 5 ➡			
		Subtotals Page 6 ➡			
		TOTAL ➡	1	3,000	
<input type="checkbox"/> Indicate whether municipal discount or state waiver applies.		➡			
Less Applicable Discount					
		AMOUNT REMITTED ➡			
Check # ➡	<input type="text"/>	Check or money order should be made payable to: "Department of Energy and Environmental Protection"			

★ See fee schedule on individual application.

**Part IV: General Permit Registrations and Requests for Other Authorizations
Application and Fee Information**

<input checked="" type="checkbox"/> General Permits and Other Authorizations	Initial Fees	No. of Permits Applied For	Total Initial Fees	Original + Required Copies
AIR EMISSIONS				
<input type="checkbox"/> Limit Potential to Emit from Major Stationary Sources of Air Pollution	\$2760.00			1 + 0
<input type="checkbox"/> Diagnostic and Therapeutic X-Ray Devices (Medical X-Ray) Registration	\$190.00/Xray device			1 + 0
<input type="checkbox"/> Radioactive Materials and Industrial Device Registration (Ionizing Radiation)	\$200.00			1 + 0
<input type="checkbox"/> Emergency/Temporary Authorization	★★			★★
<input type="checkbox"/> License Revocation Request	\$0			★★
<input type="checkbox"/> Other, (please specify):				
WATER DISCHARGES				
<input type="checkbox"/> Boiler Blowdown Wastewater	Expired- wastewater discharge authorized under MISC GP			
<input type="checkbox"/> Categorical Industry User to a POTW Discharges > 10,000 gpd Discharges < 10,000 gpd	\$6250.00 \$3125.00			1 + 0
<input type="checkbox"/> Domestic Sewage	\$625.00			1 + 0
<input type="checkbox"/> Food Preparation Establishment Wastewater	No Registration			
<input type="checkbox"/> Food Processing Wastewater	\$500.00			1 + 0
<input type="checkbox"/> Groundwater Remediation Wastewater to a Sanitary Sewer	\$500.00			1 + 0
<input type="checkbox"/> Groundwater Remediation Wastewater to a Surface Water Registration Only	\$625.00			1 + 0
<input type="checkbox"/> Approval of Registration by DEEP	\$1250.00			
<input type="checkbox"/> Hydrostatic Pressure Testing Wastewater Registration Only	\$625.00			1 + 0
<input type="checkbox"/> Approval of Registration by DEEP (natural gas pipelines)	\$1250.00			
<input type="checkbox"/> Miscellaneous Discharges of Sewer Compatible Wastewater Registration Only	\$500.00			1 + 0
<input type="checkbox"/> Approval of Registration by DEEP	\$1000.00			
<input type="checkbox"/> Nitrogen Discharges	No Registration			
<input type="checkbox"/> Non-Contact Cooling and Heat Pump Water (Minor)	\$625.00			1 + 0
<input type="checkbox"/> Photographic Processing Wastewater (Minor)	Expired- wastewater discharge authorized under MISC GP			
<input type="checkbox"/> Point Source Discharges from Application of Pesticides	\$200.00			1 + 0
<input type="checkbox"/> Printing & Publishing Wastewater (Minor) Flow < 40 gpd	\$500.00 \$100.00			1 + 0
<input type="checkbox"/> Stormwater Associated with Commercial Activities	\$300.00			1 + 0
<input type="checkbox"/> Stormwater Associated with Industrial Activities <50 employees—see general permit for additional requirements >50 employees—see general permit for additional requirements	\$500.00 \$1000.00			1 + 0
<input checked="" type="checkbox"/> Stormwater & Dewatering Wastewaters-Construction Activities	★	1	3,000	1 + 0
<input type="checkbox"/> Stormwater from Small Municipal Separate Storm Sewer Systems (MS4)	\$250.00			1 + 0

★ See fee schedule on registration/application.

★★ Contact the specific permit program for this information.
(Contact numbers are provided in the instructions)

Part IV: General Permit Registrations and Requests for Other Authorizations (continued)

WATER DISCHARGES (continued)				
<input type="checkbox"/> Subsurface Sewage Disposal Systems Serving Existing Facilities	★ ★			1 + 0
<input type="checkbox"/> Swimming Pool Wastewater - Public Pools and Contractors	\$500.00			1 + 0
<input type="checkbox"/> Tumbling or Cleaning of Parts Wastewater (Minor)	Expired- wastewater discharge authorized under MISC GP			
Vehicle Maintenance Wastewater				
<input type="checkbox"/> Registration Only	\$625.00			1 + 0
<input type="checkbox"/> Approval of Registration by DEEP	\$1250.00			
<input type="checkbox"/> Water Treatment Wastewater	\$625.00			1 + 0
<input type="checkbox"/> Emergency/Temporary Authorization - Discharge to POTW	\$1500.00			1 + 0
<input type="checkbox"/> Emergency/Temporary Authorization - Discharge to Surface Water	\$1500.00			1 + 0
<input type="checkbox"/> Emergency/Temporary Authorization - Discharge to Groundwater	\$1500.00			1 + 0
<input type="checkbox"/> Other. (please specify):				
Note: Carry subtotals over to Part III, page 2 of this form.		Subtotal →	1	3,000

★ See fee schedule on registration/application.

★★ Contact the specific permit program for this information.
(Contact numbers are provided in the instructions)

Part IV: General Permit Registrations and Requests for Other Authorizations (continued)

<input checked="" type="checkbox"/> General Permits and Other Authorizations	Initial Fees	No. of Permits Applied For	Total Initial Fee	Original + Required Copies
AQUIFER PROTECTION PROGRAM				
<input type="checkbox"/> Registration for Regulated Activities	\$625.00			1 + 0
<input type="checkbox"/> Permit Application to Add a Regulated Activity	\$1250.00			1 + 0
<input type="checkbox"/> Exemption Application from Registration	\$1250.00			1 + 0
INLAND WATER RESOURCES				
<input type="checkbox"/> Diversion of Remediation Groundwater	No Registration			
<input type="checkbox"/> Diversion of Water for Consumptive Use: Reauthorization Categories	\$1000.00			1 + 2
<input type="checkbox"/> Diversion of Water for Consumptive Use: Authorization Required	\$2500.00			1 + 4
<input type="checkbox"/> Diversion of Water for Consumptive Use: Filing Only	\$1500.00			1 + 4
<input type="checkbox"/> Programmatic General Permit	★			1 + 3
<input type="checkbox"/> Water Resource Construction Activities	★			1 + 0
<input type="checkbox"/> Emergency/Temporary Authorization	★★			★★
<input type="checkbox"/> Notice of High Hazard Dam or a Significant Hazard Dam	\$0			1 + 0
<input type="checkbox"/> Other, (please specify):				
OFFICE OF LONG ISLAND SOUND PROGRAMS				
<input type="checkbox"/> 4/40 Docks	\$700.00			1 + 1
<input type="checkbox"/> Beach Grading	\$100.00			1 + 1
<input type="checkbox"/> Buoys or Markers	No Registration			
<input type="checkbox"/> Coastal Remedial Activities Required by Order	\$700.00			1 + 1
<input type="checkbox"/> Dock Reconstruction	\$300.00			1 + 1
<input type="checkbox"/> Harbor Moorings	No Registration			
<input type="checkbox"/> Maintenance of Catch Basins and Tide Gates	No Registration			
<input type="checkbox"/> Marina and Mooring Field Reconfiguration	\$700.00			1 + 1
<input type="checkbox"/> Minor Seawall Repair	No Registration			
<input type="checkbox"/> Non-harbor Moorings	\$100.00			1 + 1
<input type="checkbox"/> Osprey Platforms and Perch Poles	none			1 + 1
<input type="checkbox"/> Pump-out Facilities (no fee for Clean Vessel Act grant recipients)	\$100.00			1 + 1
<input type="checkbox"/> Programmatic General Permit	★			1 + 1
<input type="checkbox"/> Removal of Derelict Structures	\$100.00			1 + 1
<input type="checkbox"/> Residential Flood Hazard Mitigation	\$100.00			1 + 1
<input type="checkbox"/> Swim Floats	\$100.00			1 + 1
<input type="checkbox"/> Emergency/Temporary Authorization	★★			★★
<input type="checkbox"/> Other, (please specify):				
Note: Carry subtotals over to Part III, page 2 of this form.		Subtotal →		

★ See fee schedule on registration/application.

★★ Contact the specific permit program for this information.
(Contact numbers are provided in the instructions)

Part IV: General Permit Registrations and Requests for Other Authorizations (continued)

<input checked="" type="checkbox"/> General Permits and Other Authorizations	Initial Fees	No. of Permits Applied For	Total Initial Fee	Original + Required Copies
WASTE MANAGEMENT				
<input type="checkbox"/> Addition of Grass Clippings at Registered Leaf Composting Facilities	\$500.00			1 + 0
<input type="checkbox"/> Beneficial Use Determination	★			1 + 0
Certain Recycling Facilities:				
<input type="checkbox"/> Drop-site Recycling Facility	\$200.00			1 + 0
<input type="checkbox"/> Limited Processing Recycling Facility	\$500.00			1 + 0
<input type="checkbox"/> Recyclables Transfer Facility	\$500.00			1 + 0
<input type="checkbox"/> Single Item Recycling Facility	\$500.00			1 + 0
<input type="checkbox"/> Collection and Storage of Post Consumer Paint	\$0			1 + 0
Contaminated Soil and/or Staging Management (Staging/Transfer)				
<input type="checkbox"/> New Registrations	\$250.00			1 + 0
<input type="checkbox"/> New Approval of Registrations	\$1500.00			1 + 0
<input type="checkbox"/> Renewal of Registrations	\$250.00			1 + 0
<input type="checkbox"/> Renewal of Approval of Registrations	\$750.00			1 + 0
<input type="checkbox"/> Connecticut Solid Waste Demonstration Project	\$1000.00			1 + 0
<input type="checkbox"/> Disassembling Used Electronics	\$2000.00			1 + 0
<input type="checkbox"/> Leaf Composting Facility	none			1 + 1
<input type="checkbox"/> Municipal Transfer Station	\$800.00			1 + 1
<input type="checkbox"/> One Day Collection of Certain Wastes and Household Hazardous Waste	\$1000.00			1 + 0
<input type="checkbox"/> Sheet leaf Composting Notification	\$0			★★
Special Waste Authorization				
<input type="checkbox"/> Landfill or RRF Disposal	\$660.00			1 + 0
<input type="checkbox"/> Asbestos Disposal	\$300.00			
<input type="checkbox"/> homeowner	\$0			
<input type="checkbox"/> Storage and Processing of Asphalt Roofing Shingle Waste	\$2500.00			1 + 0
<input type="checkbox"/> Storage and Processing of Scrap Tires for Beneficial Use	\$1250.00			1 + 0
<input type="checkbox"/> Emergency/Temporary Authorization	★★			★★
<input type="checkbox"/> Other, (please specify):				
REMEDIATION				
<input type="checkbox"/> In Situ Groundwater Remediation: Enhance Aerobic Biodegradation	★			1 + 2
<input type="checkbox"/> In Situ Groundwater Remediation: Chemical Oxidation	\$500.00			1 + 0
<input type="checkbox"/> Emergency/Temporary Authorization	★			★★
Note: Carry subtotals over to Part III, page 2 of this form.		Subtotal →		

★ See fee schedule on registration/application.

★★ Contact the specific permit program for this information.

(Contact numbers are provided in the instructions)

Affirmative Action, Equal Employment Opportunity and Americans with Disabilities

The Connecticut Department of Energy and Environmental Protection is an Affirmative Action/Equal Opportunity Employer that is committed to complying with the requirements of the Americans with Disabilities Act (ADA). Please contact us at (860) 418-5910 or deep.accommodations@ct.gov if you: have a disability and need a communication aid or service; have limited proficiency in English and may need information in another language; or if you wish to file an ADA or Title VI discrimination complaint.



General Permit Registration Form for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities, effective 10/1/13 (non-electronic form)

Prior to completing this form, you **must** read the instructions for the subject general permit available at [DEEP-WPED-INST-015](#).
 This form must be filled out electronically before being printed.
 You must submit the registration fee along with this form.

The [status of your registration](#) can be checked on the DEEP's ezFile Portal. Please note that DEEP will no longer mail certificates of registration.

CPPU USE ONLY	
App #:	_____
Doc #:	_____
Check #:	_____
Program: Stormwater	

Part I: Registration Type

Select the appropriate boxes identifying the registration type and registration deadline.

Registration Type		Registration Timeline	
<input checked="" type="checkbox"/>	New Registration (Refer to Section 2 of the permit for definitions of Locally Exempt and Locally Approvable Projects)	<input type="checkbox"/> Locally Approvable Projects <i>Size of soil disturbance:</i>	New registration - Sixty (60) days prior to the initiation of the construction activity for: Sites with a total soil disturbance area of 5 or more acres
		<input checked="" type="checkbox"/> Locally Exempt Projects <i>Size of soil disturbance: 2.5</i>	<input checked="" type="checkbox"/> New registration - Sixty (60) days prior to the initiation of the construction activity for: Sites with a total disturbance area of one (1) to twenty (20) acres except those with discharges to impaired waters or tidal wetlands
			<input type="checkbox"/> New registration - Ninety (90) days prior to the initiation of the construction activity for: (i) Sites with a total soil disturbance area greater than twenty (20) acres, or (ii) Sites discharging to a tidal wetland (that is not fresh-tidal and is located within 500 feet), or (iii) Sites discharging to an impaired water listed in the "Impaired Waters Table for Construction Stormwater Discharges"

Part II: Fee Information

1. New Registrations

a. Locally approvable projects (registration only):

\$625 [#1855]

b. Locally exempt projects (registration and Plan):

\$3,000 total soil disturbance area \geq one (1) and < twenty (20) acres. [#1856]

\$4,000 total soil disturbance \geq twenty (20) acres and < fifty (50) acres. [#1857]

\$5,000 total soil disturbance \geq fifty (50) acres. [#1858]

The fees for municipalities shall be half of those indicated in subsections 1.a., 1.b., and 2 above pursuant to section 22a-6(b) of the Connecticut General Statutes. State and Federal agencies shall pay the full fees specified in this subsection. The registration will not be processed without the fee. The fee shall be non-refundable and shall be paid by certified check or money order payable to the Department of Energy and Environmental Protection.

Part III: Registrant Information

- If a registrant is a corporation, limited liability company, limited partnership, limited liability partnership, or a statutory trust, it must be registered with the Secretary of the State. If applicable, the registrant's name shall be stated **exactly** as it is registered with the Secretary of the State. This information can be accessed at [CONCORD](#).
- If a registrant is an individual, provide the legal name (include suffix) in the following format: First Name; Middle Initial; Last Name; Suffix (Jr, Sr., II, III, etc.).

1. Registrant /Client Name: University of Connecticut

State Agency ↓

Secretary of the State business ID #: [REDACTED]

Mailing Address: 31 LeDoyt Road

City/Town: Mansfield (Storrs)

State: CT

Zip Code: 06269-3038

Business Phone: 860-486-9305

ext.:

Example:(xxx) xxx-xxxx

Contact Person: Jason Coite, P.E.

Title: Env.Comp.Mgr

E-Mail: jason.coite@uconn.edu

Additional Phone Number (if applicable): 860-486-9305

ext.

2. List billing contact, if different than the registrant:

Name:

Mailing Address:

City/Town:

State:

Zip Code:

Business Phone:

ext.:

Contact Person:

Title:

Part III: Registrant Information (continued)

3. List primary contact for departmental correspondence and inquiries, if different than the registrant:

Name:

Mailing Address:

City/Town:

State:

Zip Code:

Business Phone:

ext.:

Site Phone:

Emergency Phone:

Contact Person:

Title:

Association (e.g. developer, general or site contractor, etc.):

4. List owner of the property on which the activity will take place, if different from registrant:

Name:

Mailing Address:

City/Town:

State:

Zip Code:

Business Phone:

ext.:

Contact Person:

5. List developer, if different from registrant or primary contact:

Name:

Mailing Address:

City/Town:

State:

Zip Code:

Business Phone:

ext.:

Contact Person:

Title:

6. List general contractor, if different from registrant or primary contact:

Name:

Mailing Address:

City/Town:

State:

Zip Code:

Business Phone:

ext.:

Site Phone:

Off Hours Phone:

Contact Person:

Title:

7. List any engineer(s) or other consultant(s) employed or retained to assist in preparing the registration and/or Stormwater Pollution Control Plan. Please select if additional sheets are necessary, and label and attach them to this sheet.

Name: AECOM

Mailing Address: 500 Enterprise Drive, Suite 3B

City/Town: Rocky Hill

State: CT

Zip Code: 06067

Business Phone: 860-529-8882

ext.:

Contact Person: Peter Sammis, P.E.

Title: Vice President

Service Provided: **Engineering Consulting**

Email:

8. List Reviewing Qualified Professional (for locally approvable projects only). This information must match the information provided in Part IX of this registration.

Name:

Contact Person:

Mailing Address:

Email:

City/Town:

State:

Zip Code:

Business Phone:

ext.:

Part IV: Site Information

1. Site Name: 16" and 8" Water Main Installation - Various locations in Mansfield, CT
Street Address or Description of Location: Route 195, Fales Trail & Bone Mill Road
(if linear, project location should be the project beginning point)
City/Town: Mansfield State: CT Zip Code: 06269
(use only one zip code)

Longitude: -7 2.2 5 7 7 1 Latitude: 4 1.8 1 6 3 2

Brief Description of construction activity: Installation of 1,000 LF or 20", 6,000 LF of 16" & 2,000 LF of 8" water main

Project Start Date (must be on or after the authorization date of this registration) : 08 / 2015

Anticipated Completion Date: 4 / 2016 month/ yr
(month/ yr)

Normal working hours: 7:00 am to 4:00 pm

2. MINING: Is the activity on the site in question part of mining operations (i.e. sand and gravel)? Yes No

If yes, mining is not authorized by this general permit. You must submit the Registration Form for the General Permit for the Discharge of Stormwater Associated with Industrial Activity.

3. COMBINED OR SANITARY SEWER: Does all of the stormwater from the proposed activity discharge to a combined or sanitary sewer (i.e. a sewage treatment plant)? Yes No

If yes, this activity is not regulated by this permit. Contact the Water Permitting & Enforcement Division at 860-424-3018.

4. INDIAN LANDS: Is or will the facility be located on federally recognized Indian lands Yes No

5. COASTAL BOUNDARY: Is the activity which is the subject of this registration located within the coastal boundary as delineated on DEEP approved coastal boundary maps Yes No

The coastal boundaries fall within the following towns: Branford, Bridgeport, Chester, Clinton, Darien, Deep River, East Haven, East Lyme, Essex, Fairfield, Greenwich, Groton (City and Town), Old Lyme, Guilford, Hamden, Ledyard, Lyme, Madison, Milford, Montville, New London, New Haven, North Haven, Norwalk, Norwich, Old Saybrook, Orange, Preston, Shelton, Stamford, Stonington (Borough and Town), Stratford, Waterford, West Haven, Westbrook and Westport.

If "yes", and this registration is for a new authorization or a modification of an existing authorization where the physical footprint of the subject activity is modified, you must provide documentation the DEEP Office of Long Island Sound Programs or the local governing authority has issued a coastal site plan approval or determined the project is exempt from coastal site plan review. Provide this documentation with your registration as Attachment B. See guidance in Appendix D of the general permit. Information on the coastal boundary is available at the local town hall or at www.cteco.uconn.edu/map_catalog.asp. Additional DEEP Maps and Publications are available by contacting DEEP staff at 860-424-3555.

Part IV: Site Information (continued)

6. ENDANGERED OR THREATENED SPECIES:

In order to be eligible to register for this General Permit, each registrant must perform a self-assessment, obtain a limited one-year determination, or obtain a safe-harbor determination regarding threatened and endangered species. This may include the need to develop and implement a mitigation plan. While each alternative has different limitations, the alternatives are not mutually exclusive; a registrant may register for this General Permit using more than one alternative. See Appendix A of the General Permit. Each registrant must complete this section AND Attachment C to this Registration form and a registrant who does not or cannot do so is not eligible to register under this General Permit.

Each registrant must perform a review of the Department's Natural Diversity Database maps to determine if the site of the construction activity is located within or in proximity (within ¼ mile) to a shaded area.

- a. Verify that I have completed Attachment C to this Registration Form. Yes
- b. Provide the date the NDDDB maps were reviewed: December 2014 Date of map should be **one** year or less than the submittal date of this application. Print a copy of the NDDDB map you viewed since it must be submitted with this registration as part of Attachment C.
- c. For a registrant using a limited one-year determination or safe harbor determination to register for this General Permit, provide the Department's Wildlife Division NDDDB identification number for any such determination: 201503913 (The number is on the determination issued by the Department's Wildlife Division).

For more information on threatened and endangered species requirements, refer to Appendix A and Section 3(b)(2) of this General Permit, visit the DEEP website at www.ct.gov/deep/nddbrequest or call the NDDDB at 860-424-3011.

7. WILD AND SCENIC RIVERS: Is the proposed project within the watershed of a designated Wild and Scenic River? (See Appendix H for guidance) Yes No

8. AQUIFER PROTECTION AREAS: Is the site located within a mapped aquifer protection area www.ct.gov/deep/aquiferprotection as defined in section 22a-354h of the CT General Statutes? (For additional guidance, please refer to Appendix C of the General Permit) Yes No

9. CT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL: Is the activity in accordance with CT Guidelines for Erosion and Sediment Control and local erosion & sediment control ordinances, where applicable? Yes No

10. HISTORIC AND/OR ARCHAEOLOGICAL RESOURCES:
Verify that the site of the proposed activity been reviewed (using the process outlined in Appendix G of this permit) for historic and/or archaeological resources: Yes

- a. The review indicates the proposed site does not have the potential for historic/ archaeological resources, OR Yes No
- b. The review indicated historic and/ or archaeological resource potential exists and the proposed activity is being or has been reviewed by the Offices of Culture and Tourism, OR Yes No
- c. The proposed activity has been reviewed and authorized under an Army Corps of Engineers Section 404 wetland permit. Yes No

11. CONSERVATION OR PRESERVATION RESTRICTION:
Is the property subject to a conservation or preservation restriction? Yes No

If Yes, proof of written notice of this registration to the holder of such restriction or a letter from the holder of such restriction verifying that this registration is in compliance with the terms of the restriction, must be submitted as Attachment D.

Part V: Stormwater Discharge Information

Table 1						
Outfall #	a) Type	b) Pipe Material	c) Pipe Size	d) Note: To find lat/long, go to: CT ECO . A decimal format is required here. Directions on how to use CT ECO to find lat./long. and conversions can be found in Part V, Section d of the DEEP-WPED-INST-015 .		e) What method was used to obtain your latitude/longitude information?
				Longitude	Latitude	
1	pipe	metal	12"	-7 2.2 7 0 0 4	4 1.8 1 8 1 4	CT ECO
2	pipe	metal	12"	-7 2.2 6 6 1 3	4 1.8 1 7 4 8	CT ECO
3	pipe	plastic	15"	-7 2.2 6 1 6 9	4 1.8 1 7 1 5	CT ECO
	Select One:	Select One:	Select One:	-	Select One:
	Select One:	Select One:	Select One:	-	Select One:

Table 2						
Outfall #	a) For temporary and permanent outfalls, provide a start date. For temporary discharges, also provide a date the discharge will cease.	b) For the drainage area associated with each outfall: Effective Impervious Area Before Construction	c) For the drainage area associated with each outfall: Effective Impervious Area After Construction	d) To what system or receiving water does your stormwater runoff discharge? either "storm sewer or wetlands" or "waterbody" (If you select "storm sewer or wetland" proceed to Part VI of the form. If you select "waterbody" proceed to next question)	e) For each outfall, does it discharge to any of the following towns: <i>Branford, Kent, Manchester, Meriden, North Branford, Norwalk, or Wilton?</i> (If no, proceed to Part VI of the form. If yes, proceed to next question.)	f) For each outfall, does it discharge to a "freshwater" or "salt water" ? (If you select "freshwater" proceed to Table 3. If you selected "salt water", proceed to Part VI of the form.)
1	8-2015 mm/dd-mm/dd	No Change sq feet	No Change sq feet	storm sewer or wetland	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Select one:
2	8-2015 mm/dd-mm/dd	No Changes sq feet	No Changes sq feet	storm sewer or wetland	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Select one:
3	8-2015-mm/dd-mm/dd	No Changes sq feet	No Changes sq feet	storm sewer or wetland	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Select one:
	- mm/dd-mm/dd	sq feet	sq feet	Select one:	<input type="checkbox"/> Yes <input type="checkbox"/> No	Select one:
	- mm/dd-mm/dd	sq feet	sq feet	Select one:	<input type="checkbox"/> Yes <input type="checkbox"/> No	Select one:
		No Change total sq feet	No Change total sq feet			

Part V: Stormwater Discharge Information (continued)

Table 3 Provide the following information about the receiving water(s)/wetland(s) that receive stormwater runoff from your site:			
Outfall #	a) What is your 305b ID # (water body ID #)? (Section 3.b, of the DEEP-WPED-INST-015 , explains how to find this information)	b) Is your receiving water identified as a impaired water in the " Impaired Waters Table for Construction Stormwater Discharges "? If yes, proceed to next question. If no, proceed to Part VI: Pollution Control Plan.	c) Has any Total Maximum Daily Load (TMDL) been approved for the impaired water?
■	■	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N
■	■	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N
■	■	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N
■	■	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N
■	■	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N

Part V: Stormwater Discharge Information (continued)

Impaired waters: If you answered "yes" to Table 3, question b., **verify** that the project's Pollution Control Plan (Plan) addresses the control measures below in Question 1 or 2, as appropriate.

1. If the impaired water does not have a TMDL, confirm compliance by selecting 1.a. or 1.b. below:

a. No more than 3 acres is disturbed at any time; Yes

OR

b. Stormwater runoff from a 2 yr, 24 rain event is **retained**. Yes

2. If the impaired water has a TMDL, confirm compliance by selecting 2.a. and 2.b. below and either question 2.c.1. or 2.c.2. below:

a. The Plan documents there is sufficient remaining Waste Load Allocations (WLA) in the TMDL for the proposed discharge, Yes

AND

b. Control measures shall be implemented to assure the WLA will not be exceeded, Yes

AND

c. 1. Stormwater discharges will be monitored for the indicator pollutant identified in the TMDL, Yes

OR

2. The Plan documents specific requirements for stormwater discharges specified in the TMDL. Yes

Part VI: Pollution Control Plan (select one of the following three categories)

I am registering a Locally Exempt project and submitting the required electronic Plan (in Adobe™ PDF or similar publically available format) pursuant to Section 3(c)(2)(E) of this permit. (If you do not have the capability to submit the Plan electronically please call 860-418-5982).

Plan is attached to this registration form

Plan is available at the following Internet Address (URL):

I am registering a Locally Approvable project and have chosen not to submit the Plan with this registration pursuant to Section 3(c)(1) of this permit.

I am registering a Locally Approvable project and have chosen to make my Plan electronically available pursuant to Section 4(c)(2)(N) of this permit.

Plan is attached to this registration form

Plan is available at the following Internet Address (URL):

Part VII: Registrant Certification

The registrant *and* the individual(s) responsible for actually preparing the registration must sign this part. A registration will be considered incomplete unless all required signatures are provided.

For New Registrants:

" I hereby certify that I am making this certification in connection with a registration under such general permit,
 [INSERT NAME OF REGISTRANT BELOW]

submitted to the commissioner by University of Connecticut for
 [INSERT ADDRESS OF PROJECT OR ACTIVITY BELOW]

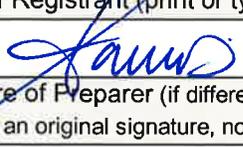
an activity located at Route 195, Fales Trail & Bone Mill Road and that all terms and conditions of the general permit are being met for all discharges which have been initiated and such activity is eligible for authorization under such permit. I further certify that a system is in place to ensure that all terms and conditions of this general permit will continue to be met for all discharges authorized by this general permit at the site. I certify that the registration filed pursuant to this general permit is on complete and accurate forms as prescribed by the commissioner without alteration of their text. I certify that I have personally examined and am familiar with the information that provides the basis for this certification, including but not limited to all information described in Section 3(b)(8)(A) of such general permit, and I certify, based on reasonable investigation, including my inquiry of those individuals responsible for obtaining such information, that the information upon which this certification is based is true, accurate and complete to the best of my knowledge and belief. I certify that I have made an affirmative determination in accordance with Section 3(b)(8)(B) of this general permit. I understand that the registration filed in connection with such general permit is submitted in accordance with and shall comply with the requirements of Section 22a-430b of Connecticut General Statutes. I also understand that knowingly making any false statement made in the submitted information and in this certification may be punishable as a criminal offense, including the possibility of fine and imprisonment, under Section 53a-157b of the Connecticut General Statutes and any other applicable law."

For Re-registrants:

" I hereby certify that I am making this certification in connection with a registration under the General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities, submitted to the commissioner
 [INSERT NAME OF REGISTRANT BELOW]

by [INSERT ADDRESS OF PROJECT OR ACTIVITY BELOW] for an activity located at

and that all terms and conditions of the general permit are being met for all discharges which have been initiated and such activity is eligible for authorization under such permit. I further certify that all designs and plans for such activity meet the current terms and conditions of the general permit in accordance with Section 5(b)(5)(C) of such general permit and that a system is in place to ensure that all terms and conditions of this general permit will continue to be met for all discharges authorized by this general permit at the site. I certify that the registration filed pursuant to this general permit is on complete and accurate forms as prescribed by the commissioner without alteration of their text. I certify that I have personally examined and am familiar with the information that provides the basis for this certification, including but not limited to all information described in Section 3(b)(8)(A) of such general permit, and I certify, based on reasonable investigation, including my inquiry of those individuals responsible for obtaining such information, that the information upon which this certification is based is true, accurate and complete to the best of my knowledge and belief. I also understand that knowingly making any false statement made in the submitted information and in this certification may be punishable as a criminal offense, including the possibility of fine and imprisonment, under Section 53a-157b of the Connecticut General Statutes and any other applicable law."

	7/24/15
Signature of Registrant (Must be an original signature, not a copy or fax)	Date
Jason Coite, P.E.	Environmental Compliance Manager
Name of Registrant (print or type)	Title (if applicable)
	7/23/15
Signature of Preparer (if different than above) (Must be an original signature, not a copy or fax)	Date
Peter Sammis, P.E.	Vice President, URS Corporation AES
Name of Preparer (print or type)	Title (if applicable)

**Part VIII: Professional Engineer (or Landscape Architect, where appropriate) Design Certification
(for publically approvable and exempt projects)**

The following certification must be signed by a Professional Engineer or Landscape Architect where appropriate.

"I hereby certify that I am a professional engineer licensed in the State of Connecticut. I am making this certification in connection with a registration under such general permit, submitted to the commissioner by
[INSERT NAME OF REGISTRANT BELOW]

University of Connecticut

for an activity located at

[INSERT ADDRESS OF PROJECT OR ACTIVITY BELOW]

Route 195, Fales Trail & Bone Mill Road

I certify that I have thoroughly and completely reviewed the Stormwater Pollution Control Plan for the project or activity covered by this certification. I further certify, based on such review and on the standard of care for such projects, that the Stormwater Pollution Control Plan has been prepared in accordance with the Connecticut Guidelines for Soil Erosion and Sediment Control, as amended, the Stormwater Quality Manual, as amended, and the conditions of the general permit, and that the controls required for such Plan are appropriate for the site. I further certify, based on reasonable investigation, including my inquiry of those individuals responsible for obtaining such information, that the information upon which this certification is based is true, accurate, and complete to the best of my knowledge and belief. I also understand that knowingly making any false statement in this certification may subject me to sanction by the Department and/or be punishable as a criminal offense, including the possibility of fine and imprisonment, under section 53a-157b of the Connecticut General Statutes and any other applicable law."


Signature of Design Professional
(Must be an original signature, not a copy or fax)

Date

Peter Sammis, P.E.

Vice President, URS Corporation AES

Name of Professional (print or type)

Title

500 Enterprise Drive, Suite 3B

Rocky Hill

Mailing Address

City/Town

CT

06067

860-990-6776

State

Zip Code

Business Phone

11303

License #



Affix P.E./L.A Stamp Here

Part IX: Reviewing Qualified Professional Certification

The following certification must be signed by a) a Conservation District reviewer OR, b) a qualified soil erosion and sediment control and/or professional engineer

Review certification by Conservation District:

1.) District: list of districts

Date of Affirmative Determination:

" I am making this certification in connection with a registration under General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities, submitted to the commissioner

[INSERT NAME OF REGISTRANT BELOW]

by

[INSERT ADDRESS OF PROJECT OR ACTIVITY BELOW]

I have personally examined and am familiar with the information that provides the basis for this certification, and I affirm, based on the review described in Section 3(b)(11)(C) of this general permit and on the standard of care for such projects, that the Stormwater Pollution Control Plan is adequate to assure that the activity authorized under this general permit will comply with the terms and conditions of such general permit and that all stormwater management systems: (i) have been designed to control pollution to the maximum extent achievable using measures that are technologically available and economically practicable and that conform to those in the Guidelines and the Stormwater Quality Manual; (ii) will function properly as designed; (iii) are adequate to ensure compliance with the terms and conditions of this general permit; and (iv) will protect the waters of the state from pollution."

Signature of District Professional and Date (Must be an original signature, not a copy or fax)

Name of District Professional and License Number (if applicable)

Or

Review certification by Qualified Professional

Company: URS Corporation, AES

Name: Jeffrey Keefe, P.E.

License # : 12814

Level of independency of professional:

Required for all projects disturbing over 1 acre:

1. I verify I am not an employee of the registrant. Yes
2. I verify I have no ownership interest of any kind in the project for which the registration is being submitted. Yes

Required for projects with 15 or more acres of site disturbance (in addition to questions 1&2):

3. I verify I did not engage in any activities associated with the preparation, planning, designing or engineering of the soil erosion and sediment control plan or stormwater management systems plan for this registrant. Yes
4. I verify I am not under the same employ as any person associated with the preparation, planning, designing or engineering of the soil erosion and sediment control plan or stormwater management systems plan for this registrant. Yes

Part IX: Reviewing Qualified Professional Certification (continued)

"I hereby certify that I am a qualified professional engineer or qualified soil erosion and sediment control professional, or both, as defined in the General Permit for Discharge of Stormwater and Dewatering Wastewaters from Construction Activities and as further specified in Sections 3(b)(11)(A) and (B) of such general permit. I am making this certification in connection with a registration under such general permit,

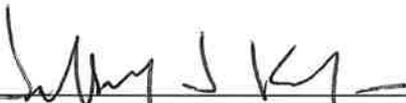
[INSERT NAME OF REGISTRANT BELOW]

submitted to the commissioner by University of Connecticut

[INSERT ADDRESS OF PROJECT OR ACTIVITY BELOW]

for an activity located at Bonemill Road, Route 195, North Hillside Road & various overland locations

I have personally examined and am familiar with the information that provides the basis for this certification, including but not limited to all information described in Section 3(b)(11)(C) of such general permit, and I certify, based on reasonable investigation, including my inquiry of those individuals responsible for obtaining such information, that the information upon which this certification is based is true, accurate and complete to the best of my knowledge and belief. I further certify that I have made the affirmative determination in accordance with Sections 3(b)(11)(D)(i) and (ii) of this general permit. I understand that this certification is part of a registration submitted in accordance with Section 22a-430b of Connecticut General Statutes and is subject to the requirements and responsibilities for a qualified professional in such statute. I also understand that knowingly making any false statement in this certification may be punishable as a criminal offense, including the possibility of fine and imprisonment, under Section 53a-157b of the Connecticut General Statutes and any other applicable law."



Signature of Reviewing Qualified Professional
(Must be an original signature, not a copy or fax)

Date: 7/24/15

Jeffrey Keefe, P.E., L.S.

Name of Reviewing Qualified Professional

License No.: 12814

Affix P.E./L.A. Stamp Here



Part X: Supporting Documents

Select the applicable box below for each attachment being submitted with this registration form. When submitting any supporting documents, please label the documents as indicated below (e.g., Attachment A, etc.) and be sure to include the registrant's name as indicated on this certification form.

- Attachment A:** Select here as verification that an 8 ½" X 11" copy of the relevant portion of a USGS Quadrangle Map with a scale of 1:24,000, showing the exact location of the facility has been submitted with this registration. Indicate the quadrangle name on the map, and be sure to include the registrant's name. (To obtain a copy of the relevant USGS Quadrangle Map, call your town hall or DEEP Maps and Publications Sales at 860-424-3555)
- Attachment B:** Documentation related to *Coastal Consistency Review*, if applicable.
- Attachment C:** Threatened and Endangered Species Form and any additional information (such as a copy of a NDDB map)
- Attachment D:** Conservation or Preservation Restriction Information, if applicable.
- Attachment E:** Where applicable, non-electronic Pollution Control Plan.

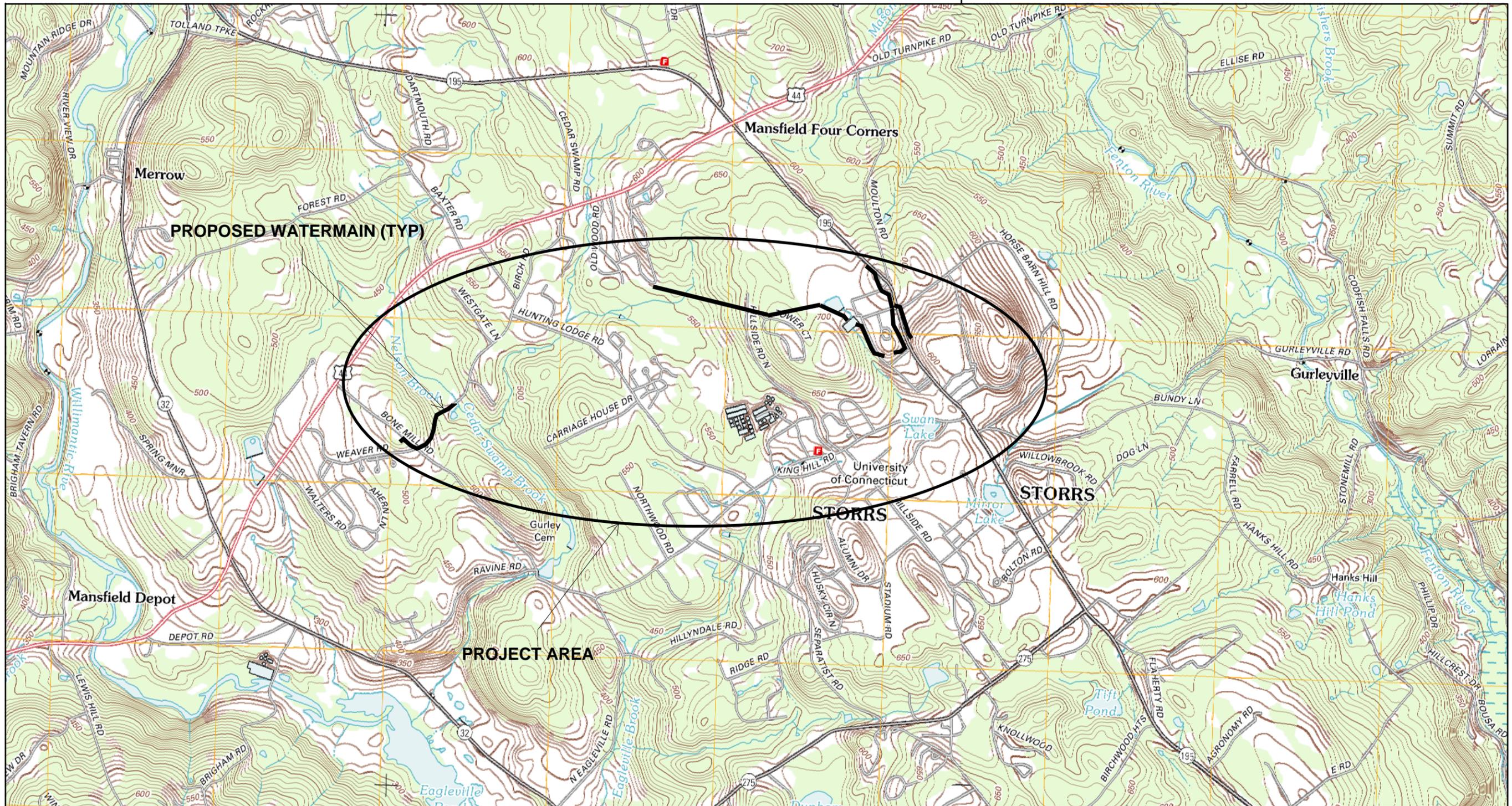
Note: Please submit the fee along with a completed, printed and signed Registration Form and all additional supporting documents to:

**CENTRAL PERMIT PROCESSING UNIT
DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION
79 ELM STREET
HARTFORD, CT 06106-5127**

UNIVERSITY OF CONNECTICUT
MAIN WATER SUPPLY LINE – PHASE 2
UCONN PROJECT NO. 901819

**GENERAL PERMIT FOR THE DISCHARGE OF STORMWATER AND
DEWATERING WASTEWATERS FROM CONSTRUCTION ACTIVITIES**

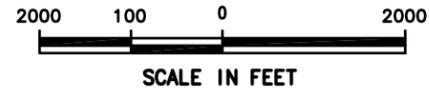
ATTACHMENT A
USGS QUADRANGLE MAP



Coventry Quadrangle - Partial Area

Spring Hill Quadrangle - Partial Area

ATTACHMENT A: OVERVIEW MAP



MAIN WATER SUPPLY LINE - PHASE 2

URS
 URS CORPORATION
 500 ENTERPRISE DRIVE, SUITE 3B
 ROCKY HILL, CT 06067
 (860) 529-8882

PROJECT NAME: WATER MAIN INSTALLATION/REPLACEMENT
 MANSFIELD, CONNECTICUT

PROJECT NUMBER: 36939950

FILE NAME:
 PROJECT LEADER: RGT
 DESIGNED BY:
 SHEET TITLE: LOCATION MAP

PLOT DATE: OCTOBER 2014
 DRAWN BY: JCJ
 CHECKED BY: DGP
 SHEET 1 OF 1

UNIVERSITY OF CONNECTICUT
MAIN WATER SUPPLY LINE – PHASE 2
UCONN PROJECT NO. 901819

**GENERAL PERMIT FOR THE DISCHARGE OF STORMWATER AND
DEWATERING WASTEWATERS FROM CONSTRUCTION ACTIVITIES**

ATTACHMENT B
(NOT APPLICABLE)

**UNIVERSITY OF CONNECTICUT
MAIN WATER SUPPLY LINE – PHASE 2
UCONN PROJECT NO. 901819**

**GENERAL PERMIT FOR THE DISCHARGE OF STORMWATER AND
DEWATERING WASTEWATERS FROM CONSTRUCTION ACTIVITIES**

**ATTACHMENT C
THREATENED AND ENDANGERED SPECIES FORM**

ATTACHMENT C: THREATENED AND ENDANGERED SPECIES

Information about compliance with the requirements of Section 3(b)(2) of this general permit, regarding threatened and endangered species, is in Appendix A of the general permit. Choose one or more (if applicable) of the following in order to be eligible to register for this General Permit. A registrant who does not or cannot do so is not eligible to register under this General Permit.

- Self Assessment using the NDDDB maps – Select this only if:
- a. The site of the construction activity is not entirely, partially or within a ¼ mile of a shaded area depicted on the Department's Natural Diversity Database maps and this determination was made not more than six months before the date of submitting this registration;
- AND
- b. The entity registering for this General Permit has no reasonably available verifiable scientific, or other credible information that the construction activity could reasonably be expected to have an adverse impact upon a federal or state species listed as threatened or endangered.

Attach a copy of the NDDDB map used to conduct the self assessment used to register for this general permit.

Note: Both a and b as used in this section, must be true in order for a Registrant to register for this General Permit using the self-assessment option. If neither is true, a Registrant cannot use the self-assessment option to comply with Section 3(b)(2) and Appendix A of the General Permit.

- Limited One-Year Determination – Select this only if:
- a. The entity registering for this General Permit has obtained a limited one-year determination from the Department's Wildlife Division regarding threatened and endangered species: i) within a year of the date of submitting this registration; or ii) more than 1 year before submitting this registration, but such determination has been extended by the Department within one year of the date of submitting this registration;
- AND
- b. The Registrant has provided to the Department's Wildlife Division any reasonably available verifiable scientific, or other credible information that the construction activity could reasonably be expected to have an adverse impact upon a federal or state species listed as threatened or endangered.

Provide the date the limited one-year determination was issued by the Department's Wildlife Division 7-13-2015;

or

Provide the date that the most recent extension to a limited one year determination was issued by the Department's Wildlife Division _____.

Note: Both a and b as used in this section, must be true in order for a Registrant to register for this General Permit using the Limited One-Year Determination option. If a Limited One-Year Determination or extension to any such determination was issued by the Department's Wildlife Division more than one year before the submission of this registration, a Registrant cannot use any such determination or extension to comply with Section 3(b)(2) and Appendix A of the General Permit.

ATTACHMENT C: THREATENED AND ENDANGERED SPECIES (continued)

- Select here if the Limited One-Year Determination issued by the Department includes a Mitigation Plan.**

Provide the date the Mitigation Plan was approved: _____

Governmental Entity Approving the Plan: _____

As of the date this Registration is submitted,

Has the Mitigation Plan been fully implemented? Yes No

Date commenced: _____ Date completed: _____

Is the Mitigation Plan partially implemented? Yes No

If yes, what actions have been taken? _____

And which actions are yet to be implemented and what is the timeframe for completion of such actions: _____

Is the Mitigation Plan yet to be implemented? Yes No

If yes, specify the timeframe for implementation: _____ to _____

And summarize actions to be implemented: _____

- Safe Harbor Determination - Select this only if:

a. The entity registering for this General Permit has obtained a Safe Harbor Determination from the Department's Wildlife Division regarding threatened and endangered species: i) within 3 years of the date of submitting this registration; or ii) more than 3 years before submitting this registration, but within one-year of a one-year extension issued by the Department's Wildlife Division to a safe harbor determination;

AND

b. The entity registering for this General Permit has provided to the Department's Wildlife Division any reasonably available verifiable scientific, or other credible information that the construction activity could reasonably be expected to have an adverse impact upon a federal or state species listed as threatened or endangered.

Provide the date the Department's Wildlife Division issued a Safe Harbor Determination: _____

If applicable, provide the date that any one-year extension to a Safe Harbor Determination was issued by the Department's Wildlife Division: _____.

Note: Both a and b as used in this section, must be true in order for a Registrant to register for this General Permit using the Safe Harbor Determination option. If a Safe Harbor Determination was issued by the Department's Wildlife Division more than three years before the submission of this registration, and has not been extended, a Registrant cannot use any such safe harbor to comply with section 3(b)(2) and Appendix A of this General Permit. If a Safe Harbor Determination was granted and extended for one-year, more than four years before the submission of this registration, a Registrant cannot use any such Safe Harbor Determination to comply with Section 3(b)(2) and Appendix A of the general permit.

ATTACHMENT C: THREATENED AND ENDANGERED SPECIES (continued)

- Select here if the safe harbor noted above includes a Mitigation Plan.**

Provide the date the Mitigation Plan was approved: _____

Governmental Entity Approving the Plan: _____

As of the date this Registration is submitted,

Has the Mitigation Plan been fully implemented? Yes No

Date commenced: _____ Date completed: _____

Is the Mitigation Plan partially implemented? Yes No

If yes, what actions have been taken? _____

And which actions are yet to be implemented and what is the timeframe for completion of such actions: _____

Is the Mitigation Plan yet to be implemented? Yes No

If yes, specify the timeframe for implementation: _____ to _____

And summarize actions to be implemented: _____

Natural Diversity Data Base Areas

MANSFIELD, CT

December 2014

 State and Federal Listed Species & Significant Natural Communities

 Town Boundary

NOTE: This map shows general locations of State and Federal Listed Species and Significant Natural Communities. Information on listed species is collected and compiled by the Natural Diversity Data Base (NDDB) from a number of data sources. Exact locations of species have been buffered to produce the general locations. Exact locations of species and communities occur somewhere in the shaded areas, not necessarily in the center. A new mapping format is being employed that more accurately models important riparian and aquatic areas and eliminates the need for the upstream/downstream searches required in previous versions.

This map is intended for use as a preliminary screening tool for conducting a Natural Diversity Data Base Review Request. To use the map, locate the project boundaries and any additional affected areas. If the project is within a shaded area there may be a potential conflict with a listed species. For more information, complete a Request for Natural Diversity Data Base State Listed Species Review form (DEP-APP-007), and submit it to the NDDB along with the required maps and information. More detailed instructions are provided with the request form on our website.

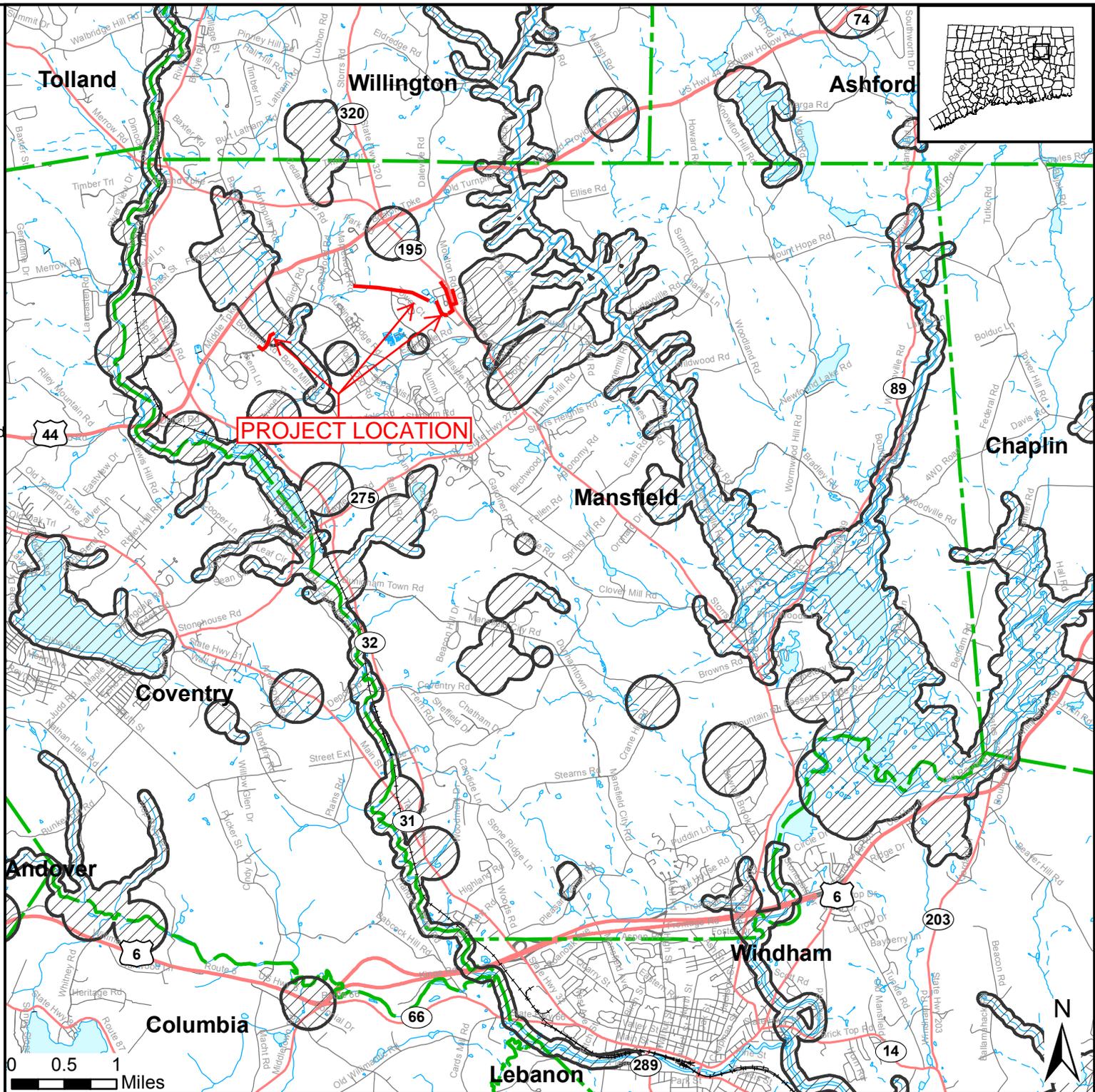
www.ct.gov/deep/nddbrequest

Use the CTECO Interactive Map Viewers at www.cteco.uconn.edu to more precisely search for and locate a site and to view aerial imagery with NDDB Areas.

QUESTIONS: Department of Energy and Environmental Protection (DEEP)
79 Elm St., Hartford CT 06106
Phone (860) 424-3011



Connecticut Department of Energy & Environmental Protection
Bureau of Natural Resources
Wildlife Division





Connecticut Department of
**ENERGY &
ENVIRONMENTAL
PROTECTION**

Bureau of Natural Resources
Wildlife Division
Natural History Survey – Natural Diversity Data Base

July 13, 2015

Mr. Peter Sammis, P.E.
Vice President
AECOM
500 Enterprise Drive, Suite 3B
Rocky Hill, CT 06067

Regarding: Main Water Supply Line – Phase 2, Route 195, Fales Trail & Bone Mill Road, Mansfield
(Storrs)
Natural Diversity Data Base 201503913

Dear Mr. Sammis:

In response to your request for a Natural Diversity Data Base (NDDB) Review of State-listed Endangered, Threatened, and Special Concern Species for the Main Water Supply Line – Phase 2 in Mansfield, our records for this site indicate the following extant populations of species on or within the vicinity of the site:

American Kestrel (*Falco sparverius*) Status: Threatened Species

American kestrels nest in late March/April in open areas like woodland edges, parks, and open field habitat. They are cavity nesters and seek out abandoned woodpecker or flicker holes to nest.

Recommendation: If American kestrels are nesting on this site then work shall not be done near the nest during the nesting season (February - July) and a sufficient buffer zone shall be delineated around the nest to minimize disturbance. This buffer should be determined after the nest is located. Silvicultural practices that maintain high densities of nesting and roosting cavities in trees with a minimum diameter of 30.5 cm will benefit this species.

Savannah Sparrow (*Passerculus sandwichensis*) Status: Species of Special Concern

The savannah sparrow nests in open, grassy areas. Its breeding season is approximately from April through August and it is during this period that the species is most susceptible to disturbances in its habitat.

Recommendation: Minimize impact to open fields, meadows, marshes, and other grassy areas during the breeding season.

Southern Bog Lemming (*Synaptomys cooperi*) Protection Status: Species of Special Concern
(historic documentation)

Southern bog lemmings are closely associated with wetlands such as bogs, fens, hardwood swamps with hummocks, and wet meadows. These lemmings live, tunnel and burrow deep in decomposing leaf mold. They feed on leaves, stems, and seeds of grasses and sedges, fungi, moss, bark, ground pine and occasionally insects.

Recommendation: The last verified sighting in this vicinity of a southern bog lemming was in the 1960's, therefore the probability of seeing one of these animals is unlikely. Workers still should know the habitat of southern bog lemmings and provided a description of the animal.

Wood turtle (*Glyptemys insculpta*) Status: Species of Special Concern

Wood turtles require riparian habitats bordered by floodplain, woodland or meadows. They hibernate in the banks of the river in submerged tree roots. Their summer habitat includes pastures, old fields, woodlands, powerline cuts and railroad beds bordering or adjacent to streams and rivers. This species has been negatively impacted by the loss of suitable habitat.

Recommendations for Turtles: The following guidelines shall be met: **Recommendations:** For the protection of turtles, please note the following guidelines:

❖ Siltation and Erosion Control Measures:

- Where possible, AVOID installing sediment and erosion control materials from 1) late August through September and 2) from March through mid-May. These two time periods are when amphibians and reptiles are most active, moving to and from wetlands to breed.
- Most wildlife travels between different habitats throughout the year, the layout of how sediment and erosion control materials are placed is very important. If silt fencing needs to be installed and left up during peak times of amphibian migration, we recommend that it be installed in such a way to allow for animals to pass through. We would encourage a staggered layout for silt fence installation. We would be happy to provide additional guidance on placement of sediment and erosion control materials to limit impacts to wildlife.
- The use of erosion control products with netting embedded in the product to maintain its shape and structure, has been shown to be fatal to wildlife in Connecticut, in particular snakes. Snakes can get tangled and trapped within the netting as they maneuver through the net openings. When reptiles are trapped, their ability to thermoregulate is compromised and in areas exposed to sun, trapped reptiles quickly overheat and die. To limit the potential for needless mortality to long-lived reptiles, we recommend the following considerations:
 - Given the high variability of the composition of products with bio-degradable and degradable netting, we recommend that these products NOT be used.
 - Use erosion control options that DO NOT contain netting such as net-less blankets or hay bales.
 - Reconfigure/lower the grade of slopes so products without netting can be utilized.
- Siltation and erosion control measures should be removed as soon as soils are stable so as to not impede reptile and amphibian migrations between wetlands and uplands.

- ❖ Rip-rap: If rip-rap is going to be used, consider covering the rip-rap with local stream bank material.
- ❖ Stockpiles of Soil: Stockpiles of soil should be cordoned off with silt fencing so turtles do not attempt to try and nest in them.

The Natural Diversity Data Base includes all information regarding critical biological resources available to us at the time of the request. This information is a compilation of data collected over the years by the Department of Energy and Environmental Protection's Natural History Survey and cooperating units of DEEP, private conservation groups and the scientific community. This information is not necessarily the result of comprehensive or site-specific field investigations. Consultations with the Data Base should not be substituted for on-site surveys required for environmental assessments. Current research projects and new contributors continue to identify additional populations of species and locations of habitats of concern, as well as, enhance existing data. Such new information is incorporated into the Data Base as it becomes available. If the project is not implemented within 12 months, then another Natural Diversity Data Base review should be requested for up-to-date information.

Please be advised a more detailed review may be conducted as part of any subsequent environmental permit applications submitted to the Department of Energy and Environmental Protection for the proposed site. Should state involvement occur in some other manner, specific restrictions or conditions relating to the species discussed above may apply.

Thank you for consulting the Natural Diversity Data Base. If you have further questions, I can be reached by email at Elaine.hinsch@ct.gov or by phone at (860) 424-3011.

Sincerely,
/s/
Elaine Hinsch
Program Specialist II
Wildlife Division

UNIVERSITY OF CONNECTICUT
MAIN WATER SUPPLY LINE – PHASE 2
UCONN PROJECT NO. 901819

**GENERAL PERMIT FOR THE DISCHARGE OF STORMWATER AND
DEWATERING WASTEWATERS FROM CONSTRUCTION ACTIVITIES**

ATTACHMENT D
(NOT APPLICABLE)

UNIVERSITY OF CONNECTICUT
MAIN WATER SUPPLY LINE – PHASE 2
UCONN PROJECT NO. 901819

**GENERAL PERMIT FOR THE DISCHARGE OF STORMWATER AND
DEWATERING WASTEWATERS FROM CONSTRUCTION ACTIVITIES**

ATTACHMENT E
STORMWATER POLLUTION CONTROL PLAN

June, 2015

STORMWATER POLLUTION CONTROL PLAN

University of Connecticut
MAIN WATER SUPPLY LINE – PHASE 2
Mansfield/Storrs, Connecticut



Prepared for:
University of Connecticut

Prepared by:
AECOM

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- APPENDIX A - Site Plans
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- APPENDIX E - Notice of Termination Form

1.0 INTRODUCTION

This Stormwater Pollution Control Plan (Plan) has been prepared on behalf of the University of Connecticut for the Main Water Supply Line – Phase 2 project located in Mansfield, Connecticut. The intent of this project is to replace 4,000 linear feet of an existing deteriorating 16” water main, 1,000 LF of 20” water main and install an additional 4,000 linear feet of new water main.

The existing 20” and 16” water mains were built in 1972 to serve as the main water supply line for the Storrs Campus of the University of Connecticut. The existing main conveys potable water from a well field just west of the Route 32 and Route 44 intersection to a 5.4 million gallon storage tank located on the north edge of the Storrs campus adjacent to Route 195. The existing water main has shown signs of deterioration, as a result the University is proposing to install 5,000 linear feet of new water main, which will parallel the existing line, and allow for the existing main to be removed from service and abandoned in place. Also, an additional 2,000 linear feet of 16” and 8” water main will be installed at various locations which will feed the same 5.4 million gallon storage tank.

The purpose of this Plan is to identify and manage activities that may affect the quality of stormwater runoff generated during the construction activity. This Plan has been developed in accordance with the requirements of the State of Connecticut General Permit for the Discharges of Stormwater and Dewatering Wastewaters from Construction Activities effective July 1, 2013 (General Permit), the 2002 Connecticut Guidelines for Soil Erosion and Sediment Control (Guidelines), and the 2004 Connecticut Stormwater Quality Manual (Manual).

During construction, the construction contractor(s) shall be responsible for implementing all elements of the erosion and sedimentation control measures as defined in the Contract Documents and in this SPCP. After construction, the permittee shall be responsible for maintaining the erosion and sedimentation control measures.

Throughout the construction process, the appointed agent and the Contractor shall periodically inspect all erosion control measures by the terms established in this SCPC. This construction project will not be considered complete until all disturbed areas have been satisfactorily stabilized, all erosion has been repaired, and all temporary erosion control measures have been removed.

2.0 SITE DESCRIPTION

2.1 Site Location

The proposed water main will run along Bone Mill Road, Fales Trail, and on campus property parallel to Route 195. The total area that is expected to be disturbed is approximately 2.5 acres.

2.2 Existing Project Area

The project area extends approximately 2.5 miles through town and state owned property, consisting of roadways, wooded areas, and campus property.

Site 1 – Consists of approximately 4,000 LF of new water main running over land connecting to existing water main at west end in the vicinity of Grandview Circle running easterly to the existing water towers adjacent to Route 195. Existing areas to be restored consist of forest and grass land.

Site 2 – Consists of approximately 1,800 LF of new water main running over land connection to existing water tanks adjacent to Route 195 running northerly to connect to future water main just north of Route 195 and Towers Loop Rd intersection. An additional 900LF of new water main running over land to connect to existing water services on the east side of Route 195. Existing areas to be restored consist of grassland and pavement.

Site 3 – Consists of approximately 1,600 of new water main running over land connection to existing water tank on Bonemill Road running northerly to connect to existing water main just located in Birch Road. Existing areas to be restored consist of pavement.

2.3 Nature of the Construction Activity

The University of Connecticut is proposing to replace the 4,000 linear feet of existing 16" and 1,000 LF of 20" water main with a new 16" and 20" main. The alignment of the new water main will mirror the existing main with an offset of approximately 10 feet. Once the proposed main is installed the existing water line will be removed from service and abandoned in place. The University of Connecticut is also proposing to install 2,000 linear feet of new 16" water main to service the same storage tank at various locations and 2,000 linear feet of 8" water main along Bonemill Road and Route 195.

Construction of the water mains will generally consist of a shallow trench excavation of approximately 6 feet deep and 5 feet wide. The pipe, including fittings and valves, will be installed and backfilled. The disturbed area will be restored to match existing materials and grade. The anticipated maximum foot print of disturbed area will be 10 feet wide on the center line of the pipe.

2.4 Runoff Coefficients

At the completion of the project, the proposed site will be restored to pre-construction conditions or better. As a result, there will be no change in the runoff coefficient.

2.5 Receiving Waters

At the completion of the project, the proposed site will be restored to existing conditions. It is not anticipated that any additional flow from stormwater will reach any receiving waters.

2.6 Wetlands

The proposed project does not impact any wetlands.

2.7 State Historic Preservation Office

Following procedures outlined in the General Permit, Appendix G, "State Historic Preservation Review", it has been determined that there is a low potential for prehistoric period archeological resources.

2.8 Impaired Waters

Stormwater from the site does not empty into a waterbody listed on the "Impaired Waters Table for Construction Stormwater Discharge" and therefore is not subject to the additional requirements for discharging to impaired waters.

3.0 SUGGESTED CONSTRUCTION SEQUENCING

The contractor shall comply with the following guidelines; with the goal minimize the amount of disturbed area at one time:

1. All erosion and sedimentation control measures shall be installed prior to the start of proposed work, soil erosion and sediment control measures shall conform to the "Connecticut Guidelines for Soil Erosion and Sedimentation Control" Revised 2002. See Appendix A, for SESC requirements.
2. The Contractor shall clear and grub only the areas that will be worked in the following 30 days. The area of disturbance (erodible surface) shall not exceed 2 acres at any given time.
3. All embankments slopes greater than or equal to 3:1 to be stabilized with erosion control blanket, North American Green S150BN or approved equal prior to the start of the next phase.
4. The contractor shall stabilize, remove erosion and sedimentation controls, and restore the disturbed areas to pre-construction condition or better prior moving on to the next work area.

4.0 STORMWATER CONTROL MEASURES

4.1 EROSION AND SEDIMENT CONTROLS

4.1.1 Soil Stabilization and Protection Practices

Limit of Disturbance – It is anticipated that only the areas within the limit of disturbance will be at risk for erosion. No more than two acres will be disturbed at any given time. Any vegetation outside of these defined limits will be preserved by the measures described in this Plan.

Temporary Vegetative Cover – If any exposed areas or stockpiles will be inactive for more than thirty (30) days and have not yet reached finished grades, they shall receive a temporary vegetative cover within seven (7) days after the suspension of work.

Permanent Vegetative Cover – The installation of permanent vegetation shall be placed on all exposed areas within seven (7) days of final grading.

Winter Stabilization – Long term and winter stabilization will conform to the provisions of the Best Management Practice (BMP), CTDOT Standard Specifications and Guidelines

4.1.2 Erosion Control Barriers

Silt Fence and Hay Bales- Structural practices that will be implemented will include silt fences and hay bales. Silt fence and hay bales will be installed along downhill side of all excavations. The silt fence and hay bales will reduce down gradient siltation by acting as sediment filters. These filters remove sediment transported by sheet flow.

4.2 MAINTENANCE DURING CONSTRUCTION

The erosion and sediment controls must be maintained in a condition that will protect the resource areas from pollution during and after site construction. The Contractor shall conduct the following maintenance to ensure the proper performance of erosion and sediment control measures during construction.

Silt Fence, Hay Bales, & Sediment Erosion Control Logs/Matting- Inspect the silt fence, hay bales or Erosion Control Logs/Matting at least once a week and within 24 hours of the end of a storm with rainfall amount of 0.5 inch or greater. Replace or repair fence within 24 hours of observed failure. When repetitive failure occurs at the same location, review conditions and limitations for use and determine if additional controls are needed to reduce failure. Maintain the fence until the contributing area is stabilized.

Pumping Settling Basin- Inspect the pumping settling basin at least every two hours during periods of use. Remove accumulated sediments when the sediment accumulation equals one half the required storage volume. The accumulated sediment which is removed from the dewatering basin shall be disposed of properly. When dewatering has been completed, re-grade the area to finish grade and stabilize.

4.3 DEWATERING

Excavation dewatering shall not discharge directly into wetlands, watercourses, or storm sewer structures. Proper methods and devices shall be utilized, such as pumping water into a temporary sedimentation trap, providing surge protection at the inlet and outlet of pumps, floating the intake of the pump, or other methods to minimize and retain the suspended solids. If a pumping operation causes turbidity problems, the operation shall cease until feasible means of controlling turbidity are determined and implemented. Exact locations and sizes of the controls will be determined in the field, but will be located within the project's limit of disturbance.

5.0 OTHER CONTROLS

Construction Entrance- The purpose of a construction entrance is to reduce the tracking of sediment off site onto paved surfaces. The stone stabilized pad will be maintained by providing periodic top dressing with additional stone or additional length as conditions demand.

Waste Disposal – Best management Practices will be implemented to reduce the discharge of litter, debris, building materials, hardened concrete, or similar materials to waters of the State.

Dust Control – The Contractor will utilize dust control measures to prevent the movement of dust from exposed soil surfaces. Wet dust suppression shall be used in accordance with section 22a-174-18(b) of the Connecticut General Statutes, for any construction activity that causes airborne particulates. No discharge of dust control water shall contain or cause a visible oil sheen, floating solids, visible discoloration, or foaming in the receiving stream.

6.0 INSPECTION

The site must be inspected initially for Plan implementation within the first 30 days following commencement of the construction activity. The site shall be inspected at least once and no more than three times during the first 90 days to ensure proper implementation of all control measures designated in the plan. Inspections must be completed by qualified personnel as defined in Section 2 of the General Permit.

Beyond the initial inspection, weekly routine inspections and inspections within 24 hours of a rainfall event that generates a discharge (only during normal work hours) must be completed for the site until a Notice of Termination has been submitted. A rain gauge is required to be on site to document rainfall amounts. The inspections include a summary of the scope of the inspection, name(s) and qualifications of personnel making the inspection, the date(s) of the inspection, weather conditions including precipitation information, major observations related to erosion and sediment controls, and the implementation of the SPCP, a description of the stormwater discharge from the site, and any water quality monitoring performed during the inspection.

Disturbed areas and areas used for storage of materials that are exposed to precipitation shall be inspected for evidence of, or the potential for, pollutants entering the drainage system. Erosion and sediment control measures identified in the plan shall be observed to ensure that they are operating correctly. Where discharge locations or points are accessible, they shall be visually inspected to ascertain whether erosion control measures are effective in preventing significant impacts to receiving waters. Locations where vehicles enter or exit the site shall be inspected for evidence of off-site sediment tracking.

The report must include a statement that the site is either in compliance or out of compliance with the Plan. If the Plan is out of compliance the report shall include the corrective action needed to have the Plan in compliance. Non-engineered corrective actions (as identified in the Guidelines) shall be implemented on site within 24 hours and incorporated into a revised Plan within three (3) calendar days of the date of inspection unless another schedule is specified in the Guidelines. Engineered corrective actions (as identified in the Guidelines) shall be implemented on site within seven (7) days and incorporated into a revised Plan within ten (10) days of the date of inspection, unless another schedule is specified in the Guidelines or is approved by the commissioner. During the period in which any corrective actions are being developed and have not yet been fully implemented, interim measures shall be implemented to minimize the potential for the discharge of pollutants from the site. The report shall be signed by the permittee or its assigned agent, and will become part of the Plan.

A blank copy of the Inspection Report is included in Appendix B.

7.0 MONITORING

The proposed project will include monthly monitoring for turbidity. Monthly sampling, shall be completed during normal work hours and will begin when there is discharge from the site during construction activity, and until final stabilization of the drainage area associated with each outfall is achieved. Sampling is not required if there is no stormwater discharge or if the conditions pose a threat to the safety of the person taking the sample. If there is no stormwater discharge during a month, sampling is not required.

All samples shall be collected from discharges resulting from a storm event that occurs at least 24 hours after any previous storm event generating a stormwater discharge. Grab samples shall be taken at least three separate times during a storm event. Samples may be taken manually or by an in-situ turbidity probe or other automatic sampling device equipped to take individual turbidity readings (i.e. not composite). The average of the three samples will be reported. The first sample shall be taken within the first hour of stormwater discharge from the site. If there is no discharge during any given monitoring period, the permittee shall submit the form as required and indicate "no discharge" for monitoring results.

Sampling is required of all point source discharges of stormwater from disturbed areas. This project is defined as a liner project, therefore, where there are ten (10) discharge points that discharge substantially identical runoff, based on similarities of the exposed soil, slope, and type of stormwater controls used a sample may be taken from just one of the discharge points. If the project is planned to continue for more than one year, the permittee shall rotate twice per year that location where samples are taken so that a different discharge point is sampled every six months.

The outfalls identified to be monitored during construction, which are authorized by this General Permit, are shown in Appendix C. All outfalls being monitored are existing outfalls and shall be monitored for dewatering purposes. All sampling points shall be clearly marked in the field with a flag, stake, or other visible mark.

Within 30 days following the end of each month, permittees shall enter the stormwater sampling result(s) on the Stormwater Monitoring Report (SMR) form (available at www.ct.gov/deep/stormwater) and submit it in accordance with the NetDMR provisions, or to the Bureau of Materials Management and Compliance Assurance.

8.0 POST CONSTRUCTION STORMWATER MANAGEMENT & CONTROLS

At the end of construction, all areas disturbed by construction activities shall be stabilized. The site will be restored to pre-construction conditions or better. All stormwater structures shall be cleaned prior to a termination inspection. All temporary erosion control measures shall be removed prior to filing a Notice of Termination for the project. A Notice of Termination Form is included in Appendix E.

9.0 CERTIFICATION

9.1 PERMITTEE

"I hereby certify that I am making this certification in connection with a registration under such general permit, submitted to the Commissioner by the **University of Connecticut** for an activity located in **various locations in Mansfield, Connecticut** and that all terms and conditions of the general permit are being met for all discharges which have been initiated and such activity is eligible for authorization under such permit. I further certify that a system is in place to ensure that all terms and conditions of this general permit will continue to be met for all discharges authorized by this general permit at the site. I certify that the registration filed pursuant to this general permit is on complete and accurate forms as prescribed by the commissioner without alteration of their text. I certify that I have personally examined and am familiar with the information that provides the basis for this certification, including but not limited to all information described in Section 3(b)(8)(A) of such general permit, and I certify, based on reasonable investigation, including my inquiry of those individuals responsible for obtaining such information, that the information upon which this certification is based is true, accurate and complete to the best of my knowledge and belief. I certify that I have made an affirmative determination in accordance with Section 3(b)(8)(B) of this general permit. I understand that the registration filed in connection with such general permit is submitted in accordance with and shall comply with the requirements of Section 22a-430b of Connecticut General Statutes. I also understand that knowingly making any false statement made in the submitted information and in this certification may be punishable as a criminal offense, including the possibility of fine and imprisonment, under section 53a-157b of the Connecticut General Statutes and any other applicable law."

Signature of Permittee

Date

Name of Permittee

Title

9.2 PROFESSIONAL ENGINEER

"I hereby certify that I am a professional engineer licensed in the State of Connecticut. I am making this certification in connection with a registration under such general permit, submitted to the Commissioner by the **University of Connecticut** for an activity located in **various locations in Mansfield, Connecticut**. I certify that I have thoroughly and completely reviewed the Stormwater Pollution Control Plan for the project or activity covered by this certification. I further certify, based on such review and on the standard of care for such projects, that the Stormwater Pollution Control Plan has been prepared in accordance with the Connecticut Guidelines for Soil Erosion and Sediment Control, as amended, the Stormwater Quality Manual, as amended, and the conditions of the general permit, and that the controls required for such Plan are appropriate for the site. I further certify, based on reasonable investigation, including my inquiry of those individuals responsible for obtaining such information, that the information upon which this certification is based is true, accurate and complete to the best of my knowledge and belief. I also understand that knowingly making any false statement in this certification may subject me to sanction by the Department and/or be punishable as a criminal offense, including the possibility of fine and imprisonment, under section 53a-157b of the Connecticut General Statutes and any other applicable law."

Signature of Professional Engineer

Date

Name of Professional Engineer

Title

9.3 CONTRACTORS AND SUBCONTRACTORS

“I certify under penalty of law that I have read and understand the terms and conditions of the General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities. I understand that as a Contractor or Subcontractor at the site, I am authorized by this General Permit, and must comply with the terms and conditions of this General Permit, including but not limited to the requirements of the Stormwater Pollution Control Plan prepared for the site.”

Signed: _____ **Date:** _____

Printed Name: _____ **Company:** _____

Project Role: _____

Signed: _____ **Date:** _____

Printed Name: _____ **Company:** _____

Project Role: _____

Signed: _____ **Date:** _____

Printed Name: _____ **Company:** _____

Project Role: _____

Signed: _____ **Date:** _____

Printed Name: _____ **Company:** _____

Project Role: _____

Signed: _____ **Date:** _____

Printed Name: _____ **Company:** _____

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Printed Name: _____ Company: _____

Project Role: _____

Signed: _____ **Date:** _____

Printed Name: _____ Company: _____

Project Role: _____

Signed: _____ **Date:** _____

Printed Name: _____ Company: _____

Project Role: _____

UNIVERSITY OF CONNECTICUT
MAIN WATER SUPPLY LINE – PHASE 2
UCONN PROJECT NO. 901819

STORMWATER POLLUTION CONTROL PLAN

APPENDIX A
SITE PLANS

**UNIVERSITY OF CONNECTICUT
MAIN WATER SUPPLY LINE – PHASE 2
UCONN PROJECT NO. 901819**

STORMWATER POLLUTION CONTROL PLAN

**APPENDIX B
INSPECTION REPORT**

INSPECTION REPORT

**UNIVERSITY OF CONNECTICUT
WATER MAIN SUPPLY LINE – PHASE 2
MANSFIELD/STORRS, CT**

Date of Inspection _____

Inspector's Name _____

Employed by _____

Type of Inspection (Circle One): Monthly / Weekly / Within 24 hrs of Storm

Stabilization Practices:

Major Observations or Deficiencies	Actions Taken	Date Completed

Structural Practices:

Major Observations or Deficiencies	Actions Taken	Date Completed

Signature of Inspector

Date

Signature of Owner

Date

**UNIVERSITY OF CONNECTICUT
MAIN WATER SUPPLY LINE – PHASE 2
UConn PROJECT NO. 901819**

STORMWATER POLLUTION CONTROL PLAN

**APPENDIX C
OUTFALL MONITORING PLAN**



CERTIFICATION:
 STATUS:

CONSULTANT:
AECOM
 500 ENTERPRISE DRIVE
 ROCKY HILL, CT 06067
 1-(860)-529-8882

REVISIONS:

MARK	DATE	DESCRIPTION



UNIVERSITY OF CONNECTICUT
 PLANNING, ARCHITECTURAL & ENGINEERING SERVICES
 31 LEDOYT ROAD UNIT 3038
 STORRS, CONNECTICUT 06269-3038
 TELEPHONE: (860) 486-3127
 FACSIMILE: (860) 486-3177

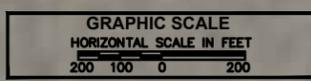
PROJECT:
 MAIN WATER SUPPLY LINE - PHASE 2
 DESIGN DEVELOPMENT

PROJECT NO: 901819
 WORK ORDER NO: 50438
 FILE NAME:

AUTHOR: PETER SAMMIS
 DRAFTER: KEVIN MCKENNA
 SCALE: AS NOTED
 PRINT DATE: JUNE 8, 2015
 SHEET TITLE:

STORM WATER MONITORING PLAN

SHEET:
M-1
 SHEET: 1 of 1



UNIVERSITY OF CONNECTICUT
MAIN WATER SUPPLY LINE – PHASE 2
UConn PROJECT NO. 901819

STORMWATER POLLUTION CONTROL PLAN

APPENDIX D

STORMWATER MONITORING REPORT



**Connecticut Department of
Energy & Environmental Protection**
Bureau of Materials Management & Compliance Assurance
Water Permitting & Enforcement Division

**General Permit for the Discharge of Stormwater and Dewatering Wastewaters from
Construction Activities, issued 8/21/13, effective 10/1/13**
Stormwater Monitoring Report

SITE INFORMATION

Permittee: _____
 Mailing Address: _____
 Business Phone: _____ ext.: _____ Fax: _____
 Contact Person: _____ Title: _____
 Site Name: _____
 Site Address: _____
 Receiving Water (name, basin): _____
 Stormwater Permit No. GSN _____

SAMPLING INFORMATION (Submit a separate form for each outfall)

Outfall Designation: _____ Date/Time Collected: _____
 Outfall Location(s) (lat/lon or map link): _____
 Person Collecting Sample: _____
 Storm Magnitude (inches): _____ Storm Duration (hours): _____
 Size of Disturbed Area at any time: _____

MONITORING RESULTS

Sample #	Parameter	Method	Results (units)	Laboratory (if applicable)
1	Turbidity			
2	Turbidity			
3	Turbidity			
4	Turbidity			

(provide an attachment if more than 4 samples were taken for this outfall)

Avg = _____

STATEMENT OF ACKNOWLEDGMENT

I certify that the data reported on this document were prepared under my direction or supervision in accordance with the General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities. The information submitted is, to the best of my knowledge and belief, true, accurate and complete.

Authorized Official: _____
 Signature: _____ Date: _____

Please send completed form to:

DEPARTMENT OF ENERGY & ENVIRONMENTAL PROTECTION
 BUREAU OF MATERIALS MANAGEMENT AND COMPLIANCE ASSURANCE
 79 ELM STREET
 HARTFORD, CT 06106-5127
 ATTN: NEAL WILLIAMS

**UNIVERSITY OF CONNECTICUT
MAIN WATER SUPPLY LINE – PHASE 2
UCONN PROJECT NO. 901819**

STORMWATER POLLUTION CONTROL PLAN

**APPENDIX E
NOTICE OF TERMINATION FORM**



General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities

Notice of Termination Form

Please complete and submit this form in accordance with the general permit (DEP-PED-GP-015) in order to ensure the proper handling of your termination. Print or type unless otherwise noted.

Note: Ensure that for commercial and industrial facilities, registrations under the *General Permit for the Discharge of Stormwater Associated with Industrial Activity* (DEP-PED-GP-014) or the *General Permit for the Discharge of Stormwater from Commercial Activities* (DEP-PED-GP-004) have been filed where applicable. For questions about the applicability of these general permits, please call the Department at 860-424-3018.

Part I: Registrant Information

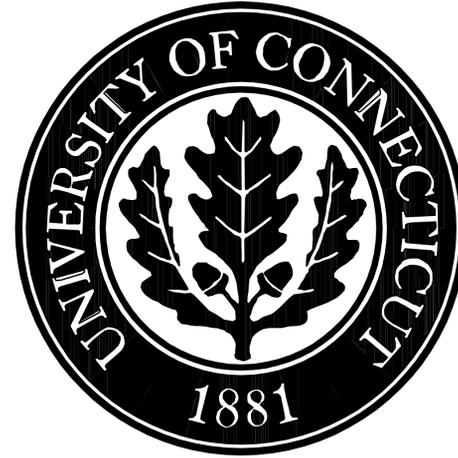
1. Permit number: GSN			
2. Fill in the name of the registrant(s) as indicated on the registration certificate: Registrant:			
3. Site Address: City/Town: _____ State: _____ Zip Code: _____			
4. Date all storm drainage structures were cleaned of construction sediment: Date of Completion of Construction: _____ Date of Last Inspection (must be at least three months after final stabilization pursuant to Section 6(b)(6)(D) of the general permit): _____			
5. Check the post-construction activities at the site (check all that apply):			
<input type="checkbox"/> Industrial	<input type="checkbox"/> Residential	<input type="checkbox"/> Commercial	<input type="checkbox"/> Capped Landfill
<input type="checkbox"/> Other (describe): _____			

Part II: Certification

"I have personally examined and am familiar with the information submitted in this document and all attachments thereto, and I certify that, based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief. I understand that a false statement made in this document or its attachments may be punishable as a criminal offense, in accordance with Section 22a-6 of the Connecticut General Statutes, pursuant to Section 53a-157b of the Connecticut General Statutes, and in accordance with any other applicable statute."	
_____ Signature of Permittee	_____ Date
_____ Name of Permittee (print or type)	_____ Title (if applicable)

Note: Please submit this Notice of Termination Form to:
STORMWATER PERMIT COORDINATOR
BUREAU OF WATER MANAGEMENT
DEPARTMENT OF ENVIRONMENTAL PROTECTION
79 ELM STREET
HARTFORD, CT 06106-5127

STATE OF CONNECTICUT UNIVERSITY OF CONNECTICUT



SUSAN HERBST
PRESIDENT

MAIN WATER SUPPLY LINE - PHASE 2
STORRS CAMPUS

PERMIT DRAWINGS

PROJECT NO. 901819

PREPARED FOR:

PLANNING, ARCHITECTURAL & ENGINEERING SERVICES

31 LEDOYT RD. UNIT 3038
STORRS, CT 06269
860-486-3127

JULY 17, 2015

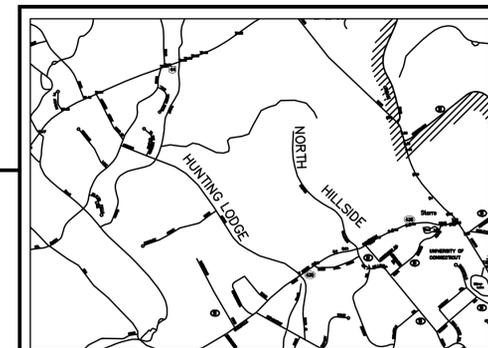
PROJECT CONSULTANT

Civil Engineer:

URS
URS CORPORATION AES
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
1-(860)-529-8882

CONTRACT DRAWINGS

T1	TITLE SHEET
C-1	LEGENDS, LAYOUT & GENERAL NOTES
C-2	WATER MAIN PLAN/PROFILE STA: 0+00 TO 8+00
C-3	WATER MAIN PLAN/PROFILE STA: 8+00 TO 16+00
C-4	WATER MAIN PLAN/PROFILE STA: 16+00 TO 24+00
C-5	WATER MAIN PLAN/PROFILE STA: 24+00 TO 33+00
C-6	WATER MAIN PLAN/PROFILE STA: 33+00 TO 40+00
C-7	WATER MAIN PLAN/PROFILE STA: 100+00 TO 103+00
C-8	WATER MAIN PLAN/PROFILE STA: 103+00 TO 111+00
C-9	WATER MAIN PLAN/PROFILE STA: 111+00 TO 117+32
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C-12	WATER MAIN DETAILS
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PROJECT SITE LOCATION
NO SCALE

GENERAL NOTES

- BASED MAPING HAS BEEN PREPARED BY AECOM AND THE UNIVERSITY OF CONNECTICUT'S SURVEYOR, VANASSE HANGEN BRUSTLIN, INC. UNDERGROUND UTILITY, STRUCTURE AND FACILITY LOCATIONS DEPICTED ON THE CONTRACT DRAWINGS HAVE BEEN COMPILED, IN PART, FROM RECORD MAPPING AND OTHER DATA SUPPLIED BY RESPECTIVE UTILITY COMPANIES, AND/OR OTHER SOURCES. THESE LOCATIONS MUST BE CONSIDERED APPROXIMATE IN NATURE. ADDITIONALLY, OTHER UTILITY AND UNDERGROUND FEATURES, WHICH ARE UNKNOWN TO AECOM, MAY EXIST ON THE SITE. THE PRESENCE, SIZE AND LOCATION OF ALL UNDERGROUND FEATURES MUST BE DETERMINED AND VERIFIED IN THE FIELD BY THE APPROPRIATE AUTHORITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL REQUEST MARK OUT OF UTILITY LOCATION FROM CALL BEFORE YOU DIG (1-800-922-4455) AT LEAST 72 HOURS PRIOR TO ANY EXCAVATION OPERATION.
- AS CONSTRUCTION IS COMPLETED, THE CONTRACTOR SHALL REMOVE ALL EXCESS MATERIAL, DEBRIS, ETC. AND RESTORE AND/OR REPAIR ANY DAMAGE TO LANDSCAPING.
- ANY PIPE LENGTHS SHOWN ARE MEASURED FROM CENTER TO CENTER OF FITTINGS.
- AREAS OUTSIDE THE WORK LIMITS INCLUDING BUT NOT LIMITED TO DRIVEWAYS, ROADS, STAIRS AND SIDEWALKS, THAT ARE DISTURBED BY CONSTRUCTION SHALL BE RETURNED TO THEIR ORIGINAL CONDITION OR BETTER AND SHALL BE GRADED TO MEET PROPOSED CONSTRUCTION AS DIRECTED BY THE ENGINEER. COST FOR THIS WORK SHALL BE BORNE BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE UNIVERSITY.
- THE CONTRACTOR SHALL PROCURE ALL THE NECESSARY PERMITS AND LICENSES, AT THE TIME REQUIRED, PAY ALL CHARGES AND FEES, AND GIVE NOTICES NECESSARY AND DUE IN CONNECTION WITH THE LAWFUL EXECUTION OF THE WORK AT NO ADDITIONAL COST TO THE UNIVERSITY. THE CONTRACTOR WILL BE REQUIRED TO SECURE AN ENCROACHMENT PERMIT FROM THE STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION - DISTRICT 2, FOR ALL WORK WITHIN THE STATE RIGHT-OF-WAY FOR ROUTE 195.
- EXCAVATION OF ANY TYPE SHALL BE ACCOMPLISHED IN SUCH A MANNER THAT UNDERGROUND UTILITIES OR STRUCTURES ARE NOT DAMAGED. IT SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY FOR ANY DAMAGE INCURRED DURING EXCAVATION OPERATIONS. ALL EXCAVATION SHALL BE IN CONFORMANCE WITH THE LATEST OSHA REQUIREMENTS.
- ALL UTILITY BOXES, FRAMES, GRATES, ETC. AFFECTED BY THE CONSTRUCTION ACTIVITIES, SHALL BE RESET TO THE PROPER GRADE. ALL COST RELATED TO SUCH WORK SHALL BE CONSIDERED TO BE INCLUDED IN THE PRICES BID.
- ALL COORDINATION BETWEEN THE CONTRACTOR AND THE UNIVERSITY SHALL BE THROUGH THE UNIVERSITY OF CONNECTICUT CONSTRUCTION PROJECT MANAGER ASSIGNED TO THIS PROJECT.
- ANY UTILITY SERVICE CONNECTIONS (GAS, WATER, SEWAGE, ELECTRIC, ETC.) DISTURBED BY THE CONSTRUCTION ACTIVITIES SHALL BE REPAIRED AND SERVICE RESTORED. AT NO TIME SHALL ANY EXISTING BUILDING BE WITHOUT SERVICES (INCLUDING FIRE PROTECTION) WITHOUT PRIOR CONSENT FROM THE PARTICULAR UTILITY AUTHORITY. NO FIRE PROTECTION UTILITIES OF ANY KIND WILL BE DISRUPTED WITHOUT PERMISSION FROM THE FIRE MARSHALL. THE CONTRACTOR SHALL COORDINATE HIS WORK, PRIOR TO A UTILITY SHUTDOWN, WITH THE UTILITY COMPANY AND THE UNIVERSITY.
- THE CONTRACTOR SHALL SUFFICIENTLY COVER ALL DISTURBED AREAS AT THE END OF EACH WORK DAY TO AVOID ANY RISK OF INJURY TO PEDESTRIAN OR VEHICULAR TRAFFIC. THE CONTRACTOR SHALL INSTALL TEMPORARY SUPPORT SYSTEMS OVER TRENCH EXCAVATIONS THAT ARE TAMPER RESISTANT AND SAFE FOR VEHICULAR AND PEDESTRIAN TRAFFIC. THE CONTRACTOR SHALL INSTALL BARRICADES TO PROTECT AGAINST PEDESTRIAN ACCESS. THE CONTRACTOR SHALL OBTAIN APPROVAL OF THE TEMPORARY SAFETY MEASURES BY THE ENGINEER AND THE UNIVERSITY.
- THE STANDARD SPECIFICATIONS (FOR SITE WORK) SHALL MEAN THE STATE OF CONNECTICUT, DEPARTMENT OF TRANSPORTATION, STANDARD SPECIFICATIONS FOR ROADS, BRIDGES, AND INCIDENTAL CONSTRUCTION, FORM 816 2004, INCLUDING ALL SUPPLEMENTS THERETO.
- ALL DISTURBED AREAS, NOT PROVIDED WITH SPECIFIC SURFACE IMPROVEMENTS (PAVING, SIDEWALK, LANDSCAPING, ETC.) SHALL HAVE TOPSOIL AND TURF ESTABLISHED IN ACCORDANCE WITH THE SPECIFICATIONS.
- LOCATION AND ELEVATION OF ALL UNDERGROUND UTILITIES INSTALLED OR FOUND DURING CONSTRUCTION SHALL BE INDICATED BY THE CONTRACTOR ON RECORD DRAWINGS, MEASURED FROM PERMANENT SURFACE FEATURES.
- WHEN EXCAVATING CLOSE TO TREES, USE ONLY HAND TOOLS. CARE SHALL BE TAKEN TO ENSURE THAT TREE ROOTS ARE NOT DAMAGED IN ANY WAY. THE INSPECTOR SHALL BE NOTIFIED IMMEDIATELY WHENEVER TREE ROOTS ARE ENCOUNTERED. FURTHER EXCAVATING AT THAT LOCATION SHALL BE AS DIRECTED BY THE INSPECTOR.
- THE CONTRACTOR IS REQUIRED TO EXCAVATE TEST PITS AS SHOWN ON THE PLAN SHEETS. THIS WORK SHALL BE COMPLETED AS GENERAL EXCAVATION AND SHALL BE COMPLETED A MINIMUM OF TWO WEEKS PRIOR TO THE START OF EXCAVATION. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IF EXISTING CONDITIONS CONFLICT WITH PROPOSED WORK AS SHOWN HEREON.
- THE EXISTING UTILITIES AND FACILITIES WILL BE IN CONTINUOUS OPERATION DURING THE EXECUTION OF THE WORK. THE CONTRACTOR SHALL COORDINATE ALL ACTIVITIES TO MINIMIZE DISRUPTIONS TO THE UTILITIES AND FACILITIES. THE CONTRACTOR SHALL COORDINATE ALL WORK AND WORK PROCEDURES WITH THE REQUIREMENTS OF THE LOCAL AUTHORITIES AND THE UNIVERSITY. BEFORE ANY WORK PROCEEDS, NOTIFY THE ENGINEER/UNIVERSITY OF THE PROPOSED SCHEDULE. DISRUPTION OF UTILITY OPERATIONS SHALL BE MINIMAL AND THE SAFETY OF EMPLOYEES AND THE PUBLIC SHALL BE MAINTAINED.
- THE CONTRACTOR SHALL PERFORM ALL OPERATIONS OF DEMOLITION AND REMOVAL AS MAY BE REQUIRED FOR HIS WORK. THE EXISTING 16" WATER MAIN AND APPURTENANCES SHALL BE ABANDONED IN PLACE WITH OUT FILLING UNLESS NOTED OTHERWISE ON THE CONTRACT DRAWINGS.
- THE CONTRACTOR SHALL COMPLETE ALL WORK SO THAT ANY MATERIALS WHICH ARE TO REMAIN IN PLACE OR WHICH ARE TO REMAIN THE PROPERTY OF THE UNIVERSITY, WILL NOT BE DAMAGED. IF THE CONTRACTOR DAMAGES ANY MATERIALS WHICH ARE TO REMAIN, OR WHICH ARE TO REMAIN THE PROPERTY OF THE UNIVERSITY, THE DAMAGED MATERIALS SHALL BE REPLACED TO THE SATISFACTION OF THE ENGINEER/UNIVERSITY AT THE EXPENSE OF THE CONTRACTOR.
- ROCK PROFILE PLOTTED FROM INFORMATION OBTAINED FROM MAP ENTITLED, " TRANSMISSION LINE PLAN & PROF. STA 137+37 TO STA 168+50", WATER SUPPLY, UNIVERSITY OF CONNECTICUT DATED JANUARY 1972, PREPARED BY FREDERICK R. HARRIS, INC. AND BORINGS COMPLETED IN 2010 AND 2013 BY DR. CLARENCE WELTI, P.E., P.C.
- SEE SHEET C-12 FOR ADDITIONAL GENERAL NOTES.
- THE PROJECT SITE GENERALLY CONSISTS OF A CORRIDOR TEN (10) FEET EITHER SIDE OF THE PROPOSED WATER MAIN, PLUS THE CONTRACTOR'S WORK AND STORAGE AREA. IN WETLAND LOCATIONS, THE PROJECT SITE REDUCES TO FIVE (5) FEET EITHER SIDE OF THE PROPOSED WATER MAIN. IN ROADWAY AREAS, THE PROJECT SITE REDUCES TO THAT WIDTH NEEDED TO COMPLETE THE WORK, WHILE STILL MAINTAINING A SAFE TRAVEL WAY ALONG THE ROADWAY (ONE WAY ALTERNATING TRAFFIC AT A MINIMUM).

SEQUENCE OF CONSTRUCTION

- INSTALL ALL EROSION AND SEDIMENT CONTROLS AND TREE PROTECTION DEVICES.
- EXISTING 16" WATER MAIN TO REMAIN IN SERVICE UNTIL FINAL CONNECTIONS TO THE PROPOSED 16" WATER MAIN ARE MADE.
- INSTALL PROPOSED 16" WATER MAIN, VALVE PITS AND APPURTENANCES.
- DISINFECT, TEST, AND OBTAIN APPROVAL OF THE PROPOSED 16" WATER MAIN FROM THE UCONN FACILITIES DEPARTMENT PRIOR TO FINAL CONNECTIONS TO THE EXISTING 16" WATER MAIN.
- MAKE FINAL CONNECTIONS TO EXISTING 16" WATER MAIN. COORDINATE WITH THE UCONN FACILITIES DEPARTMENT FOR SHUTDOWN PERIOD AND DURATION.
- CAP AND ABANDON EXISTING 16" WATER MAIN.
- PROVIDE RESTORATION AND TURF ESTABLISHMENT.
- REMOVE TEMPORARY SOIL EROSION AND SEDIMENT CONTROL DEVICES ONCE DISTURBED AREAS HAVE BEEN STABILIZED.

BORING LEGEND

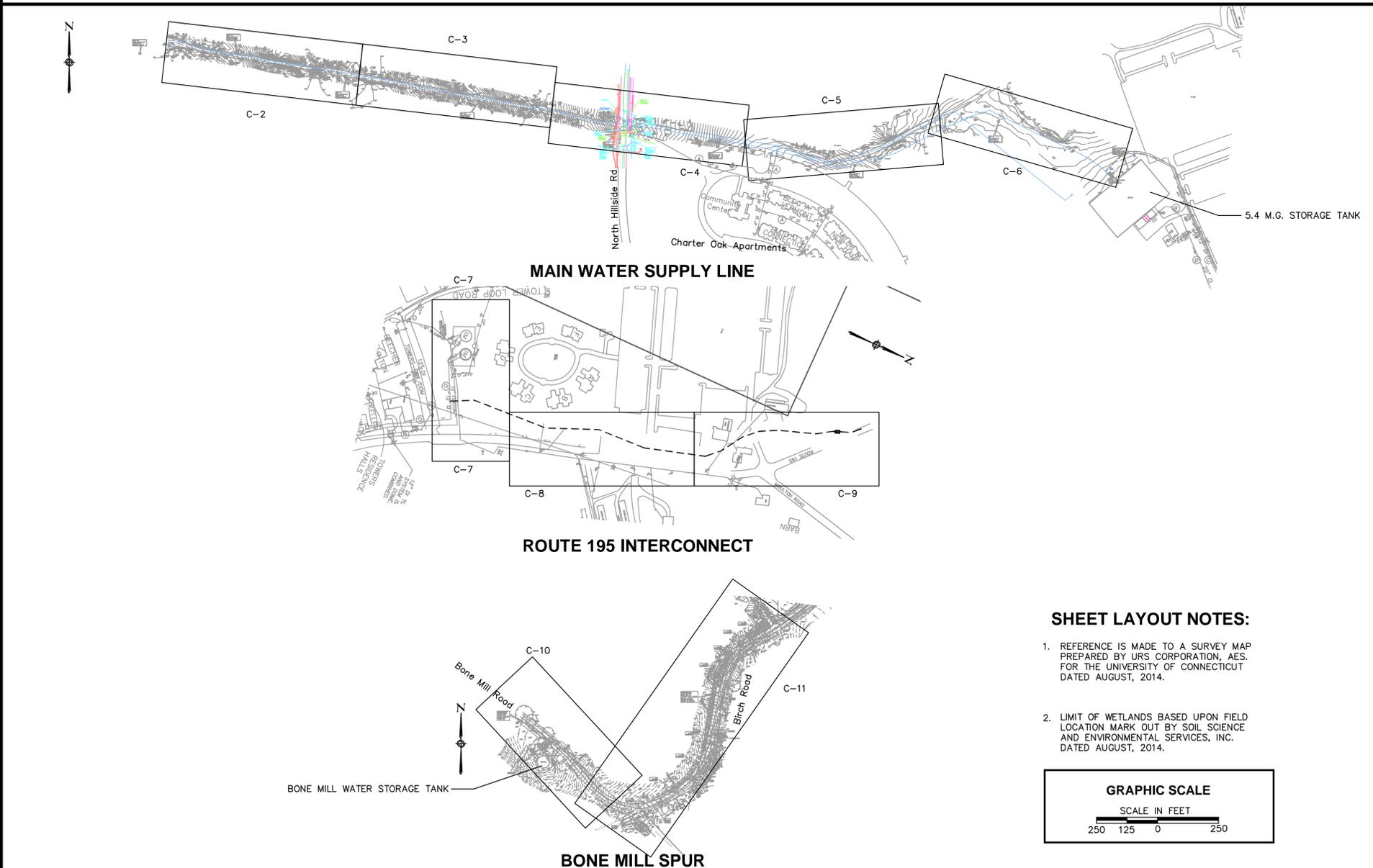
ASTM	AMERICAN STANDARDS FOR TESTING MATERIALS	LT	LEFT LOCATION
BM	BENCH MARK	LP	LIGHT POLE
BIT	BITUMINOUS	MAX	MAXIMUM
CIP	CAST IRON PIPE	MIN	MINIMUM
CB	CATCH BASIN	MH	MANHOLE
CL/ C/L	CENTER LINE	MISC	MISCELLANEOUS
CL & P	CONNECTICUT LIGHT& POWER	MJ	MECHANICAL JOINT
CMP	CORRUGATED METAL PIPE	MON	MONUMENT
CONN / CT	CONNECTICUT	NIC	NOT IN CONTRACT
CONC	CONCRETE	N	NORTH
CPP	CORRUGATED POLYETHYLENE PIPE	NTS	NOT TO SCALE
CSW	CONCRETE SIDEWALK	N/A	NOT APPLICABLE
CWC	CONNECTICUT WATER CO.	N/F	NOW OR FORMERLY
CY	CUBIC YARDS	OH	OVERHEAD
DIA	DIAMETER	PROP	PROPOSED
DIM	DIMENSION	REINF	REINFORCED
DI	DUCTILE IRON	RCP	REINFORCED CONIC PIPE
DIP	DUCTILE IRON PIPE	REV	REVISION
DOT	DEPARTMENT OF TRANSPORTATION	ROW	RIGHT OF WAY
DWG	DRAWING	RT	RIGHT
E	EAST / ELECTRIC	SAN	SANITARY
EOP	EDGE OF PAVEMENT	SCH	SCHEDULE
ELEC	ELECTRIC	SF	SQUARE FEET
EL/ELEV	ELEVATION	S	SOUTH / SANITARY MH
EMH	ELECTRIC MANHOLE	STA	STATION
EX/EXIST	EXISTING	STD	STANDARD
FES	FLARED END SECTION	STRM/ST	STORM
G	GAS	TB	THRUST BLOCK
GG	GAS GATE	TF	TOP OF FRAME
GG	GAS GATE	TYP	TYPICAL
HYD	HYDRANT	USA	UNITED STATES OF AMERICA
IN	INCHES	W	WATER
INC	INCORPORATED	WG/WV	WATER GATE/WATER VALVE
INV	INVERT	&	AND

STANDARD ABBREVIATIONS

ASTM	AMERICAN STANDARDS FOR TESTING MATERIALS	LT	LEFT LOCATION
BM	BENCH MARK	LP	LIGHT POLE
BIT	BITUMINOUS	MAX	MAXIMUM
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IN	INCHES	W	WATER
INC	INCORPORATED	WG/WV	WATER GATE/WATER VALVE
INV	INVERT	&	AND

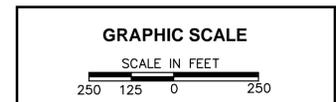
LEGEND

DESCRIPTIONS	EXISTING	PROPOSED
TREELINE		
BUSHES		
TREES		
ABANDON PIPE/STRUCTURE		
REMOVE PIPE/STRUCTURE		
SILT FENCE		
HAYBALE COFFERDAM		
INLET PROTECTION		
STORM PIPE		
STORM PIPE		
WATER PIPE		
HYDRANT		
WATER BUTTERFLY VALVE		
WATER GATE VALVE		
SIGN		
UTILITY POLE		
TEST PIT		
WETLANDS		



SHEET LAYOUT NOTES:

- REFERENCE IS MADE TO A SURVEY MAP PREPARED BY URS CORPORATION, AES, FOR THE UNIVERSITY OF CONNECTICUT DATED AUGUST, 2014.
- LIMIT OF WETLANDS BASED UPON FIELD LOCATION MARK OUT BY SOIL SCIENCE AND ENVIRONMENTAL SERVICES, INC. DATED AUGUST, 2014.



CERTIFICATION:

STATUS
Not for Construction

CONSULTANT:
AECOM
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
1-(860)-529-8882

REVISIONS:

MARK	DATE	DESCRIPTION



UNIVERSITY OF CONNECTICUT
PLANNING, ARCHITECTURAL & ENGINEERING SERVICES
31 LEDOYT ROAD UNIT 3038
STORRS, CONNECTICUT 06269-3038
TELEPHONE: (860) 486-3127
FACSIMILE: (860) 486-3177

PROJECT:
MAIN WATER SUPPLY LINE - PHASE 2
DESIGN DEVELOPMENT

PROJECT NO: 901819
WORK ORDER NO: XXXX
FILE NAME: P:\CNWL PHASE 2\SHEET C-0

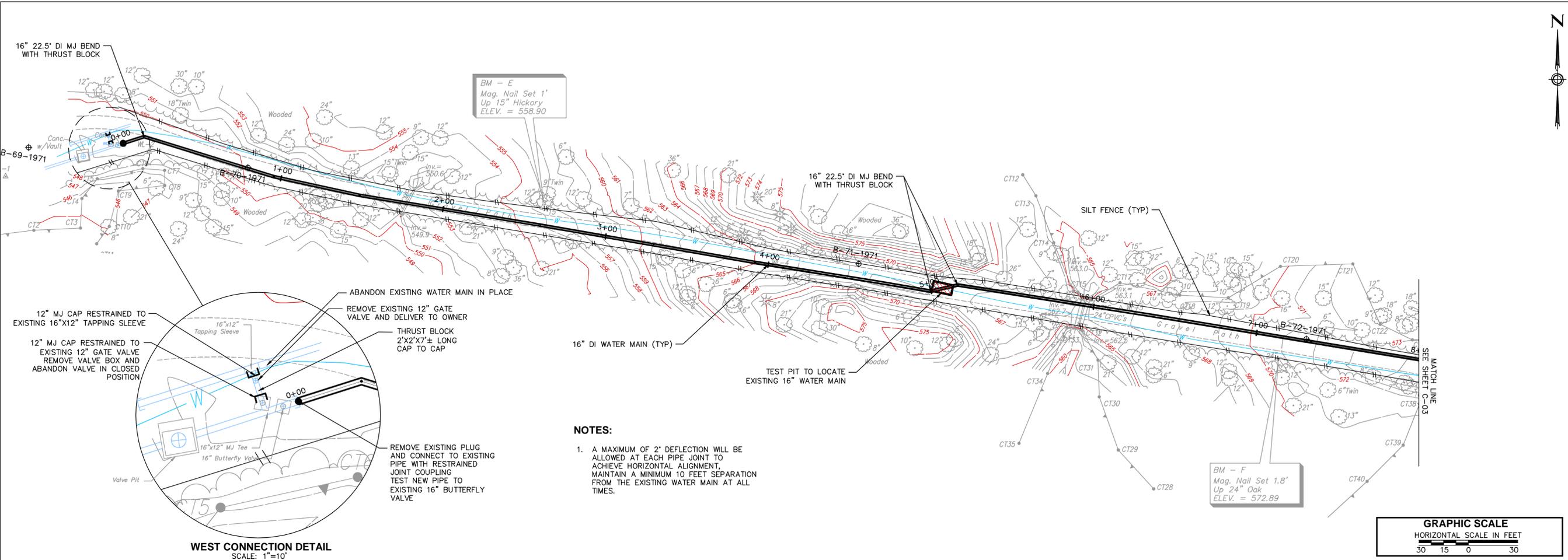
AUTHOR: PETER SAMMIS
DRAFTER: KEVIN MCKENNA
SCALE: AS NOTED
PRINT DATE: MAY 12, 2015
SHEET TITLE:

LEGENDS, LAYOUT & GENERAL NOTES

SHEET:

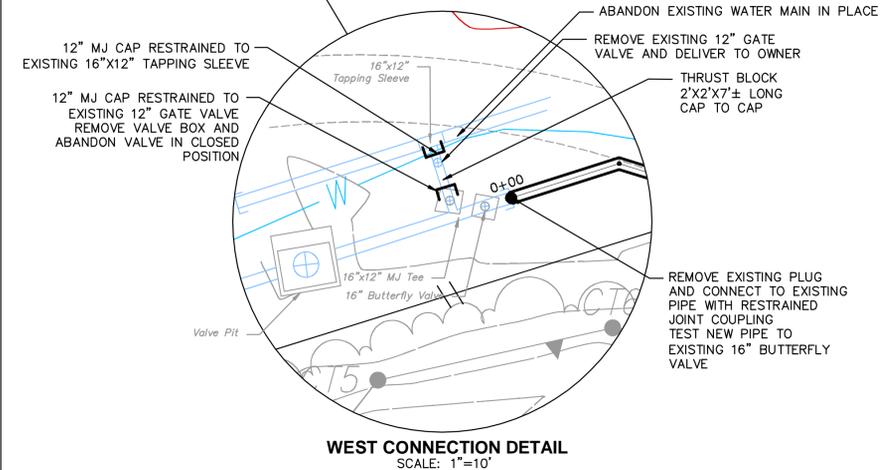
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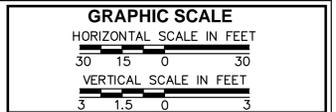
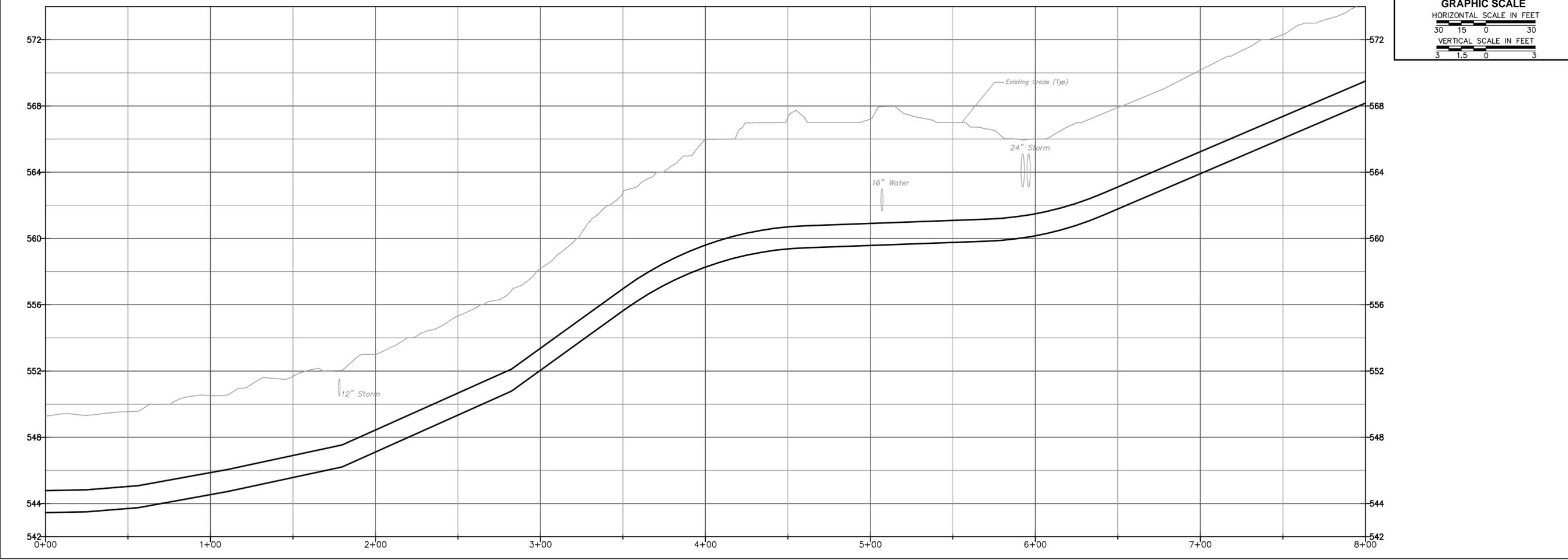
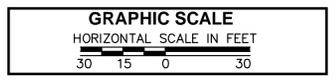


BM - E
Mag. Nail Set 1'
Up 15" Hickory
ELEV. = 558.90

BM - F
Mag. Nail Set 1.8'
Up 24" Oak
ELEV. = 572.89



- NOTES:**
1. A MAXIMUM OF 2" DEFLECTION WILL BE ALLOWED AT EACH PIPE JOINT TO ACHIEVE HORIZONTAL ALIGNMENT, MAINTAIN A MINIMUM 10 FEET SEPARATION FROM THE EXISTING WATER MAIN AT ALL TIMES.



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STORRS, CONNECTICUT 06269-3038
TELEPHONE: (860) 486-3127
FACSIMILE: (860) 486-3177

PROJECT:

MAIN WATER SUPPLY LINE - PHASE 2

DESIGN DEVELOPMENT

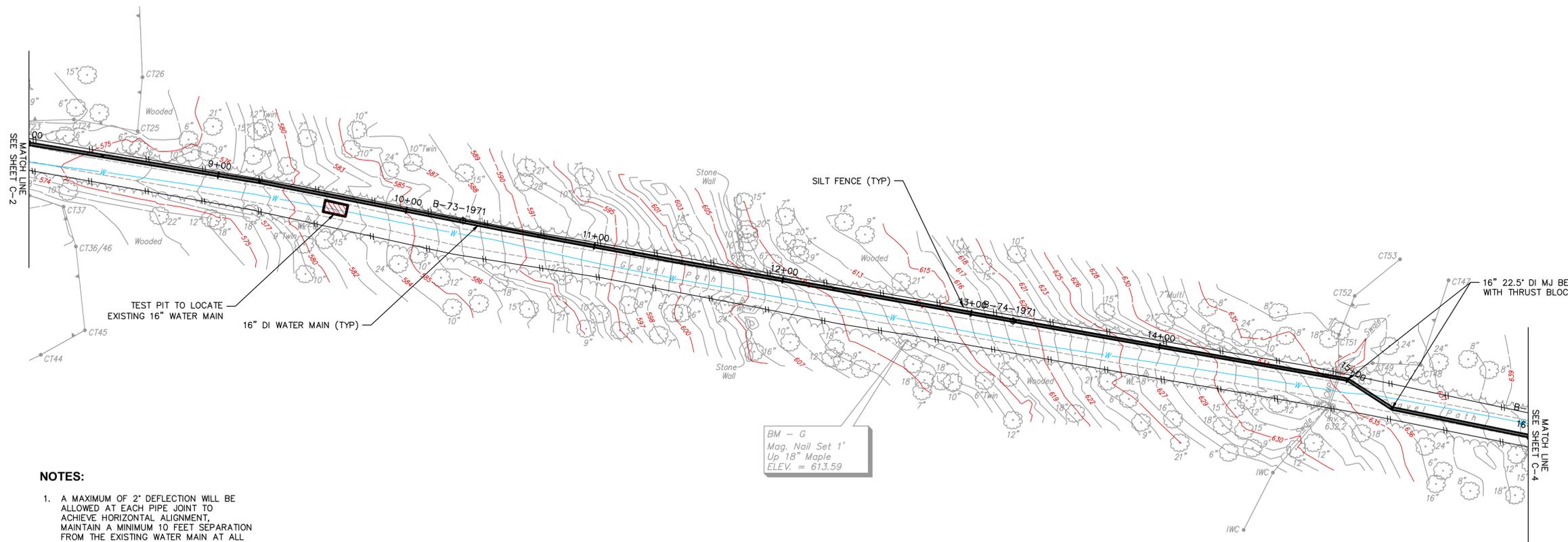
PROJECT NO: 901819
WORK ORDER NO: 50438
FILE NAME:
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AUTHOR: PETER SAMMIS
DRAFTER: KEVIN MCKENNA
SCALE: AS NOTED
PRINT DATE: JUNE 8, 2015
SHEET TITLE:

WATER MAIN PLAN/PROFILE
STA: 0+00 TO STA: 8+00
SHEET:

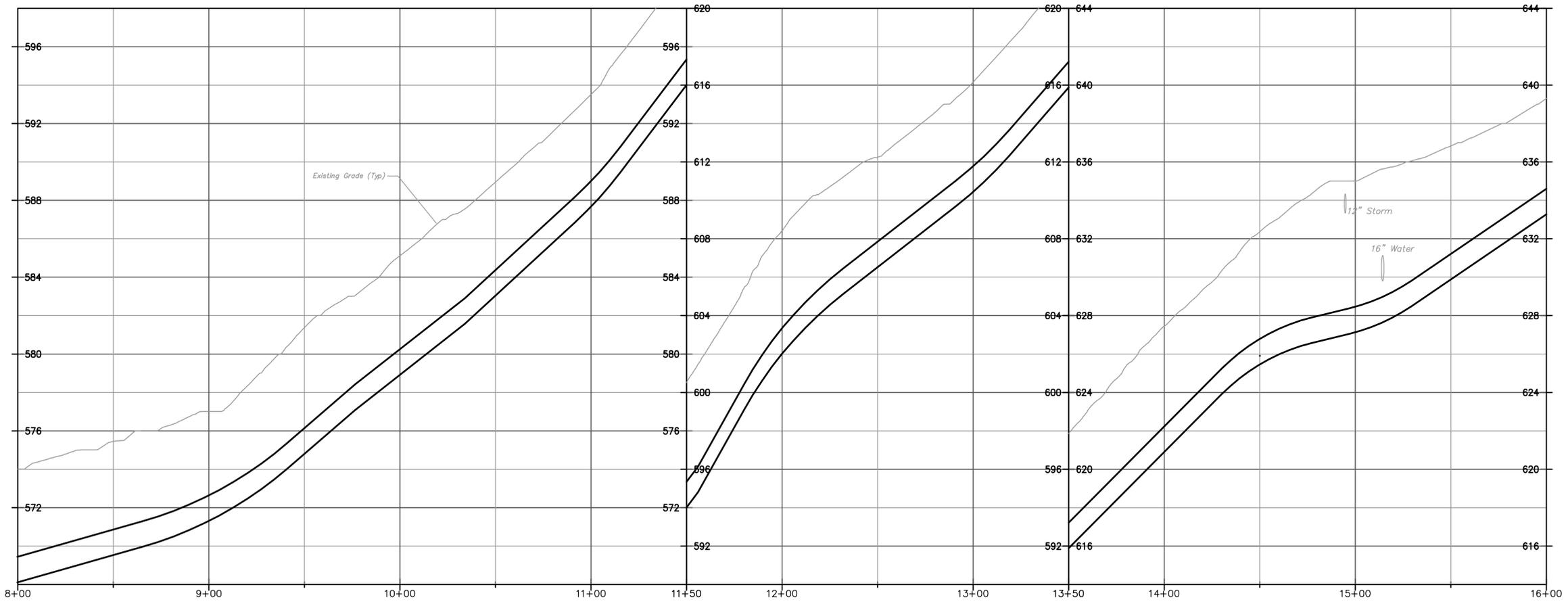
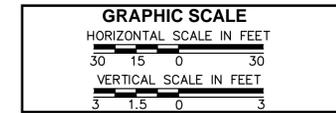
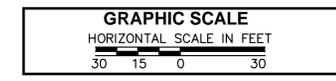
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SHEET: of



NOTES:

1. A MAXIMUM OF 2" DEFLECTION WILL BE ALLOWED AT EACH PIPE JOINT TO ACHIEVE HORIZONTAL ALIGNMENT. MAINTAIN A MINIMUM 10 FEET SEPARATION FROM THE EXISTING WATER MAIN AT ALL TIMES.



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REVISIONS:

MARK	DATE	DESCRIPTION



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PLANNING, ARCHITECTURAL
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31 LEDOYT ROAD UNIT 3038
STORRS, CONNECTICUT 06269-3038
TELEPHONE: (860) 486-3127
FACSIMILE: (860) 486-3177

PROJECT:

**MAIN WATER
SUPPLY LINE -
PHASE 2**

**DESIGN
DEVELOPMENT**

PROJECT NO: 901819
WORK ORDER NO: 50438
FILE NAME:
P\CIVIL PHASE
2\SHEET\C-2-9

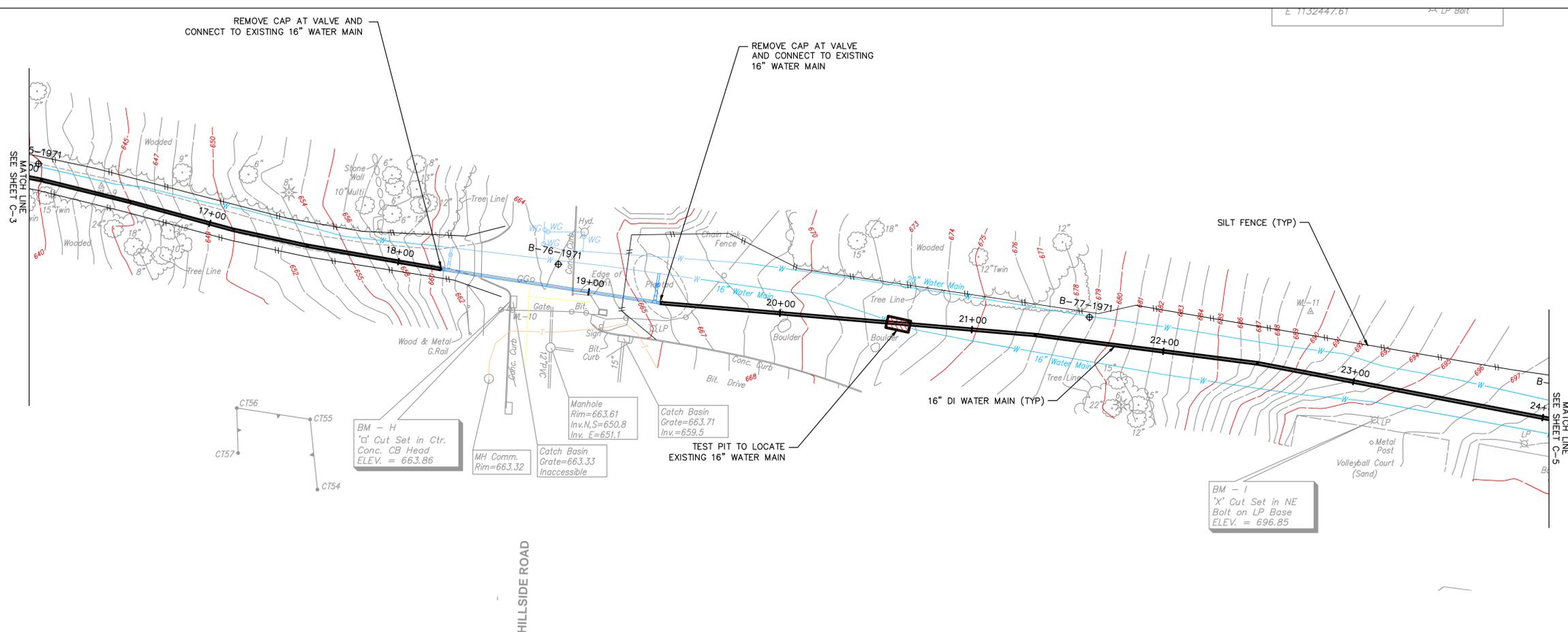
AUTHOR: PETER SAMMIS
DRAFTER: KEVIN MCKENNA
SCALE: AS NOTED
PRINT DATE: JUNE 8, 2015
SHEET TITLE:

**WATER MAIN
PLAN/PROFILE**

STA: 8+00 TO STA: 16+00
SHEET:

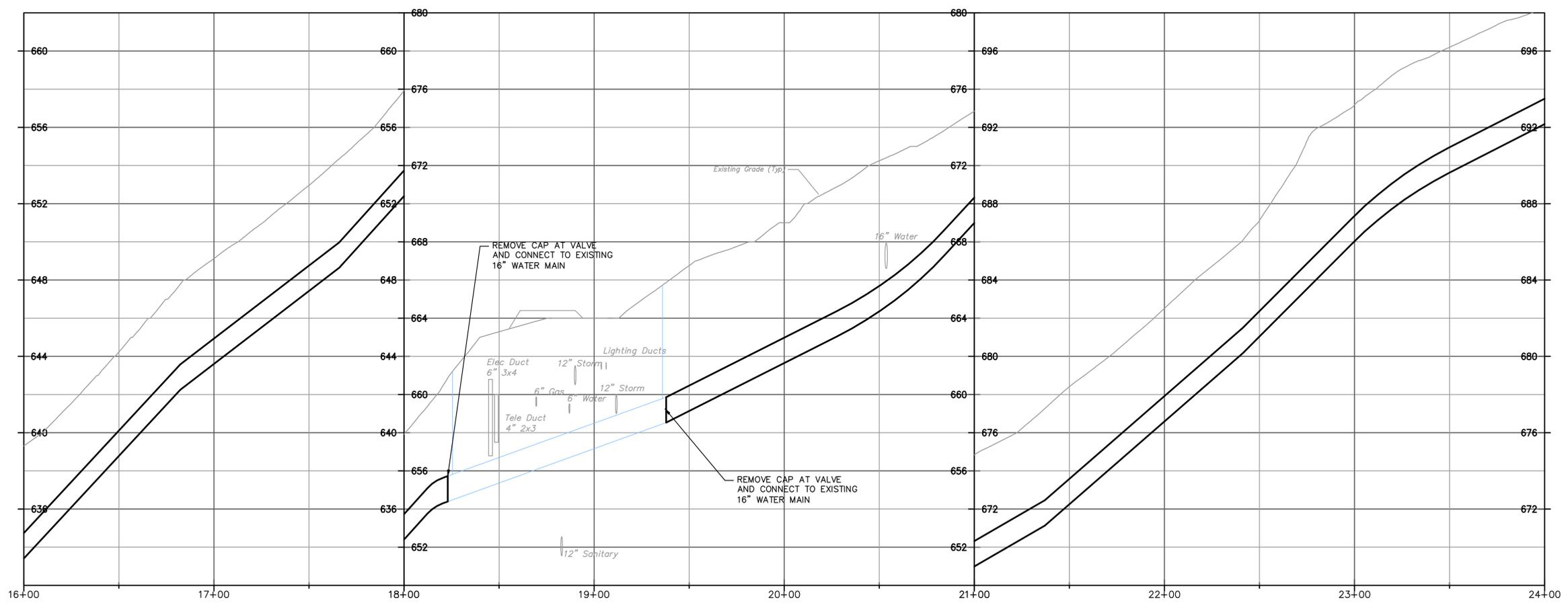
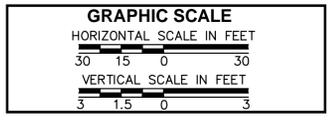
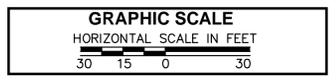
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SHEET: of



NOTES:

1. A MAXIMUM OF 2' DEFLECTION WILL BE ALLOWED AT EACH PIPE JOINT TO ACHIEVE HORIZONTAL ALIGNMENT. MAINTAIN A MINIMUM 10 FEET SEPARATION FROM THE EXISTING WATER MAIN AT ALL TIMES.



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REVISIONS:

MARK	DATE	DESCRIPTION



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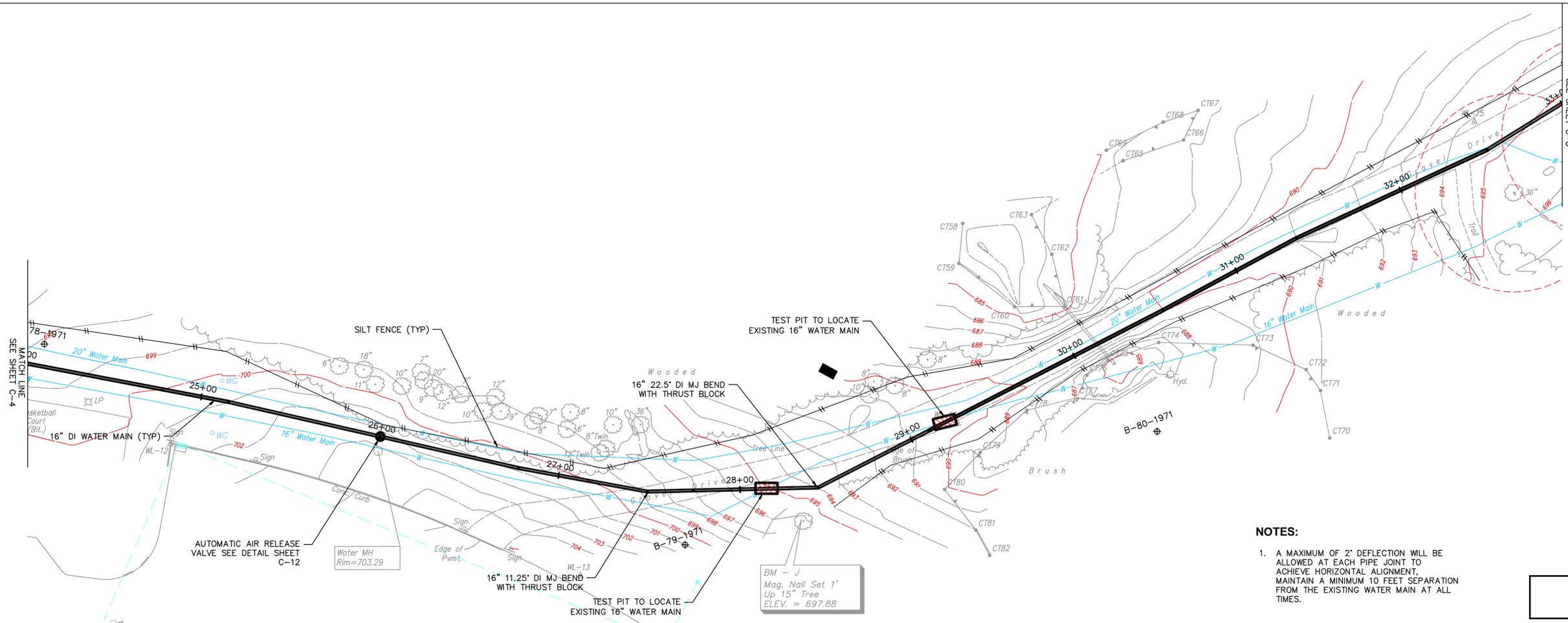
PROJECT:

MAIN WATER
SUPPLY LINE -
PHASE 2

DESIGN
DEVELOPMENT

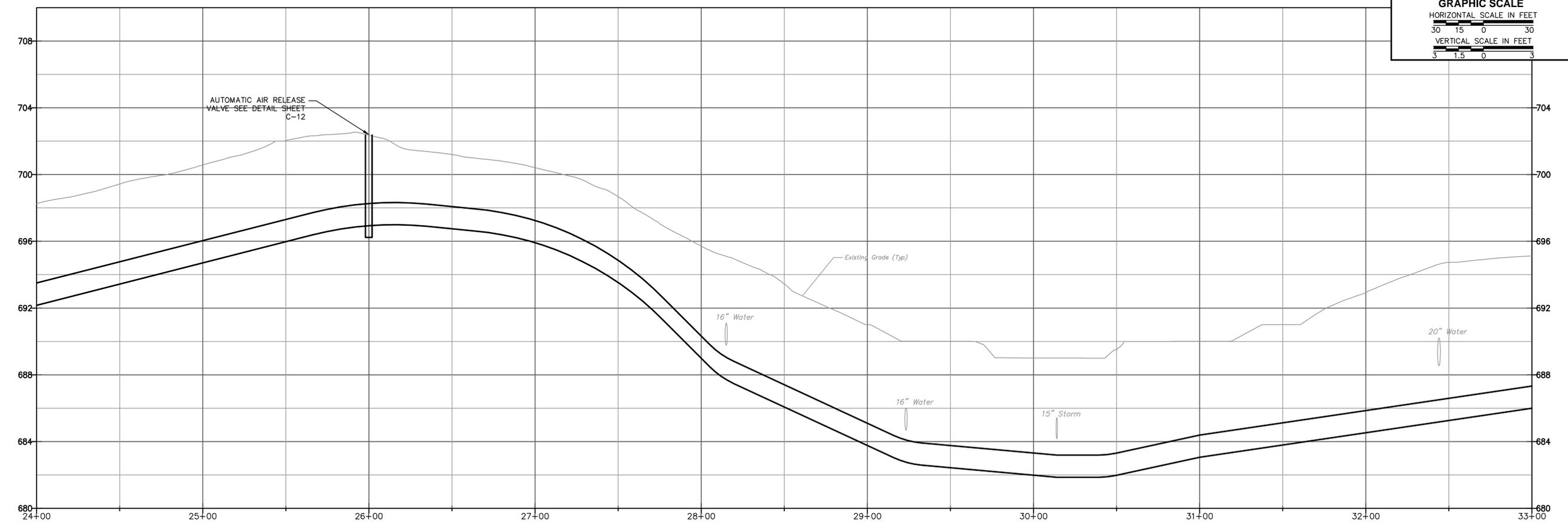
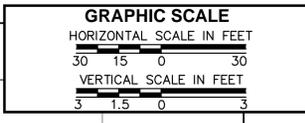
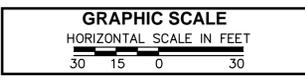
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WORK ORDER NO: 50438
FILE NAME:
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2\SHEET\C-2-9

AUTHOR: PETER SAMMIS
DRAFTER: KEVIN MCKENNA
SCALE: AS NOTED
PRINT DATE: JUNE 8, 2015
SHEET TITLE:
**WATER MAIN
PLAN/PROFILE**
STA: 16+00 TO STA: 24+00
SHEET:
C-4
SHEET: _ of _



NOTES:

1. A MAXIMUM OF 2' DEFLECTION WILL BE ALLOWED AT EACH PIPE JOINT TO ACHIEVE HORIZONTAL ALIGNMENT, MAINTAIN A MINIMUM 10 FEET SEPARATION FROM THE EXISTING WATER MAIN AT ALL TIMES.



CERTIFICATION:
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CONSULTANT:
AECOM
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
1-(860)-529-8882

REVISIONS:

MARK	DATE	DESCRIPTION



UNIVERSITY OF CONNECTICUT
PLANNING, ARCHITECTURAL & ENGINEERING SERVICES
31 LEDOYT ROAD UNIT 3038
STORRS, CONNECTICUT 06269-3038
TELEPHONE: (860) 486-3127
FACSIMILE: (860) 486-3177

PROJECT:
MAIN WATER SUPPLY LINE - PHASE 2
DESIGN DEVELOPMENT

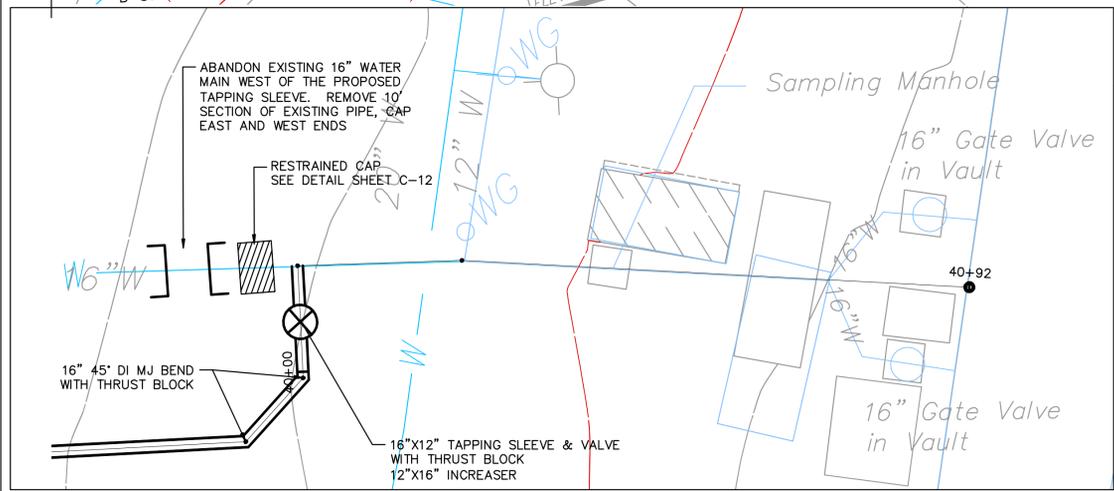
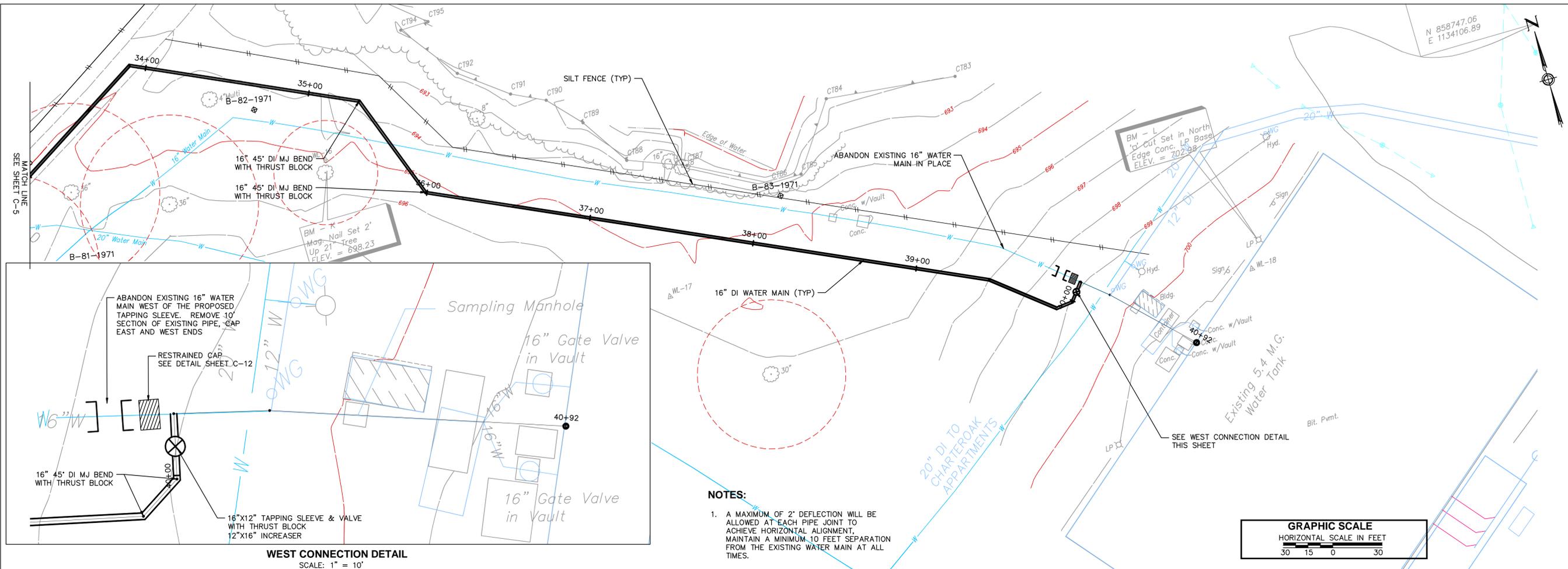
PROJECT NO: 901819
WORK ORDER NO: 50438
FILE NAME:
P/CIVIL PHASE
2/SHEET/C-2-9

AUTHOR: PETER SAMMIS
DRAFTER: KEVIN MCKENNA
SCALE: AS NOTED
PRINT DATE: JUNE 8, 2015
SHEET TITLE:

WATER MAIN PLAN/PROFILE
STA: 24+00 TO STA: 33+00
SHEET:

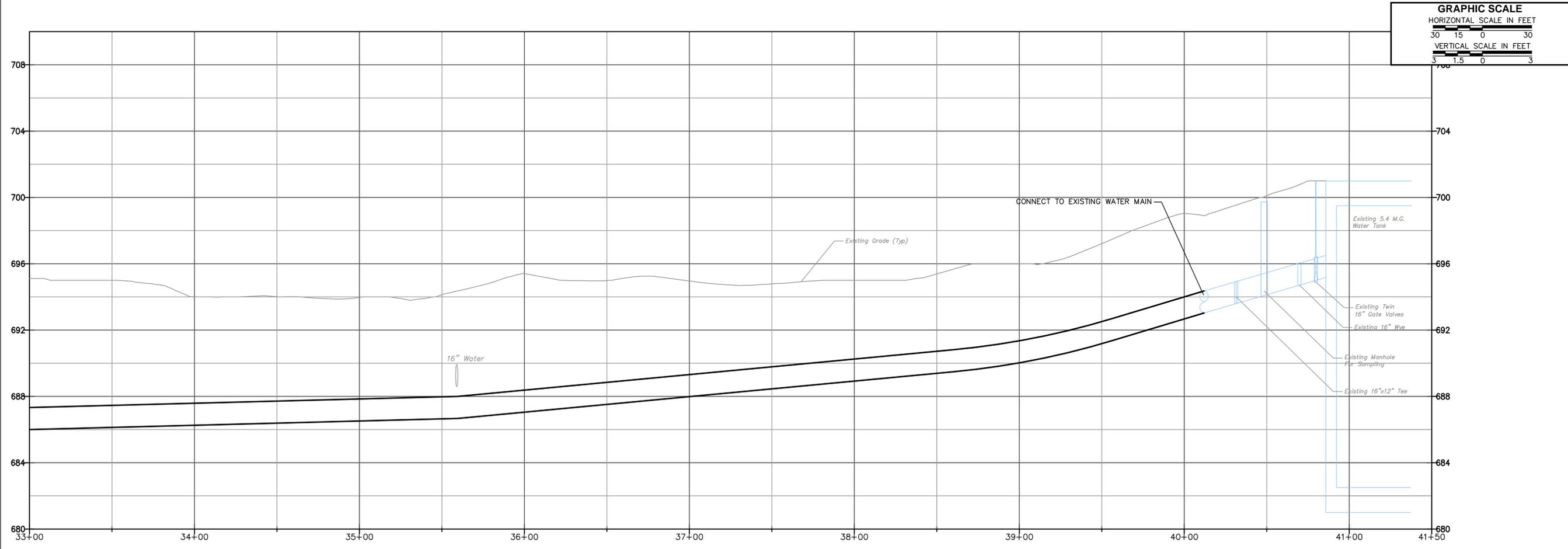
C-5

SHEET: _ of _



NOTES:

1. A MAXIMUM OF 2' DEFLECTION WILL BE ALLOWED AT EACH PIPE JOINT TO ACHIEVE HORIZONTAL ALIGNMENT. MAINTAIN A MINIMUM 10 FEET SEPARATION FROM THE EXISTING WATER MAIN AT ALL TIMES.



CERTIFICATION:
STATUS:
Not for Construction

CONSULTANT:
AECOM
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
1-(860)-529-8882

REVISIONS:

MARK	DATE	DESCRIPTION



UNIVERSITY OF CONNECTICUT
PLANNING, ARCHITECTURAL & ENGINEERING SERVICES
31 LEDOYT ROAD UNIT 3038
STORRS, CONNECTICUT 06269-3038
TELEPHONE: (860) 486-3127
FACSIMILE: (860) 486-3177

PROJECT:
MAIN WATER SUPPLY LINE - PHASE 2
DESIGN DEVELOPMENT

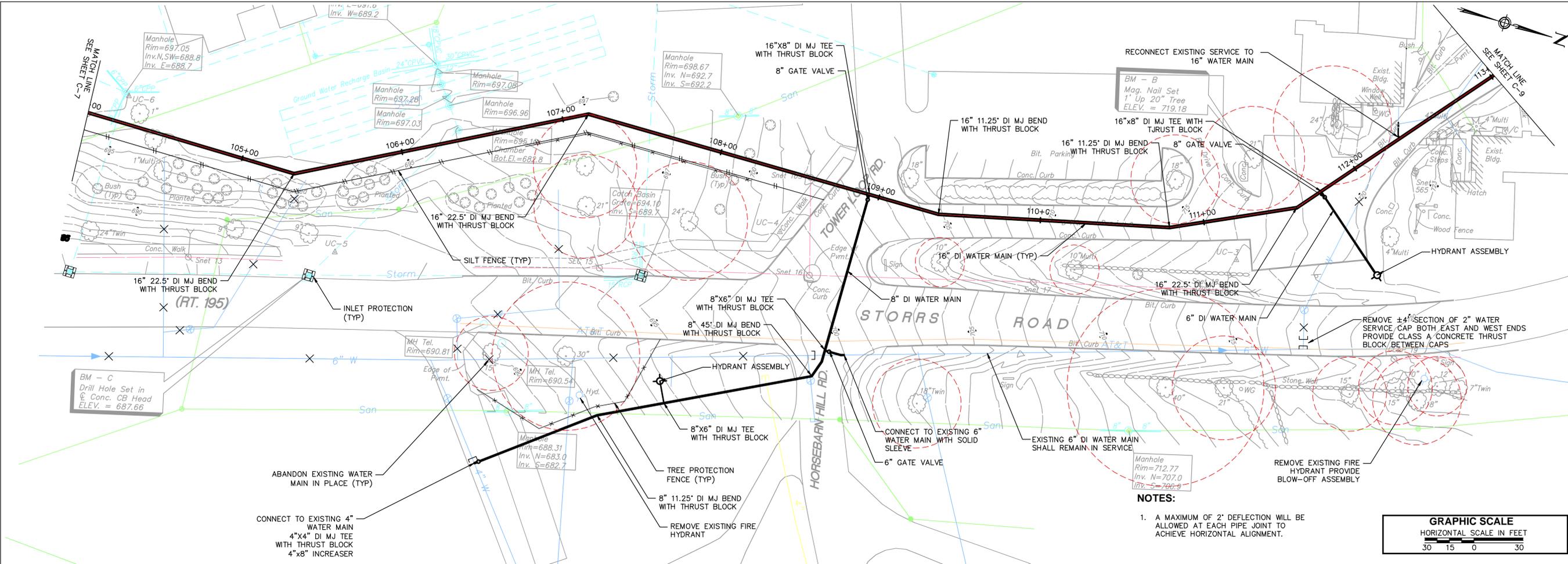
PROJECT NO: 901819
WORK ORDER NO: 50438
FILE NAME:
P\CIVIL PHASE
2\SHEET\C-2-9

AUTHOR: PETER SAMMIS
DRAFTER: KEVIN MCKENNA
SCALE: AS NOTED
PRINT DATE: JUNE 8, 2015
SHEET TITLE:

WATER MAIN PLAN/PROFILE
STA: 33+00 TO STA: 40+00
SHEET:

C-6

SHEET: of



CERTIFICATION:
 STATUS:
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 CONSULTANT:
AECOM
 500 ENTERPRISE DRIVE
 ROCKY HILL, CT 06067
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REVISIONS:

MARK	DATE	DESCRIPTION



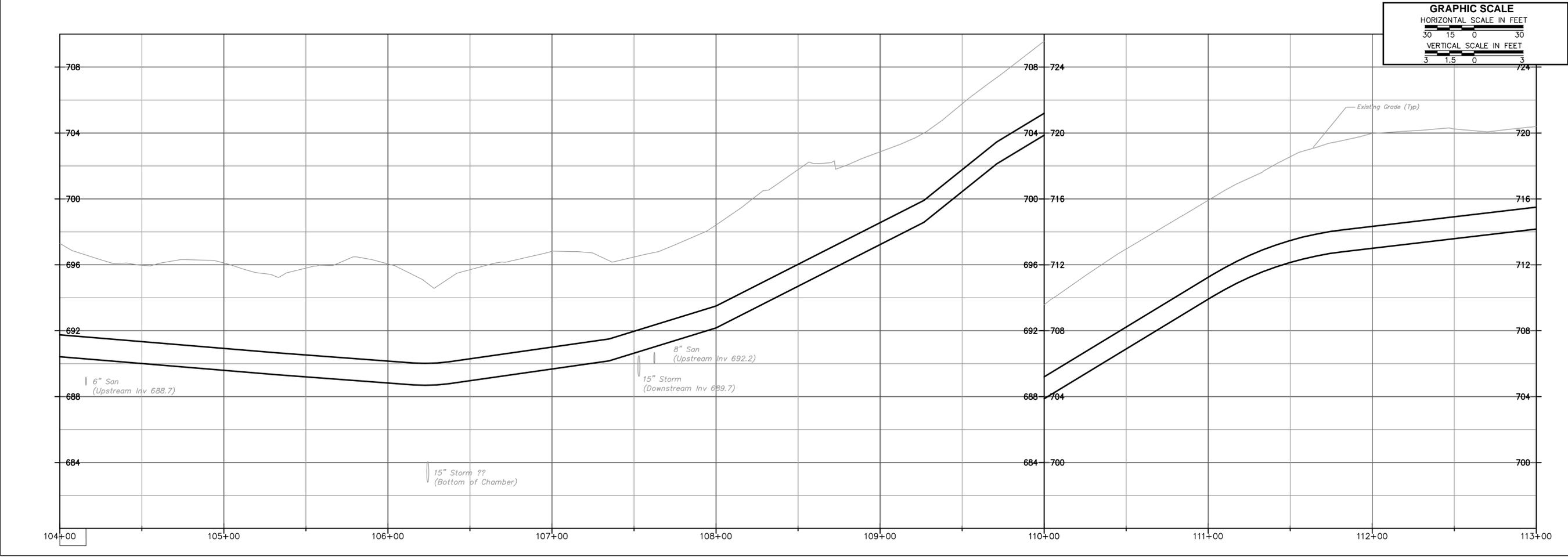
UNIVERSITY OF CONNECTICUT
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 & ENGINEERING SERVICES
 31 LEDOYT ROAD UNIT 3038
 STORRS, CONNECTICUT 06269-3038
 TELEPHONE: (860) 486-3127
 FACSIMILE: (860) 486-3177

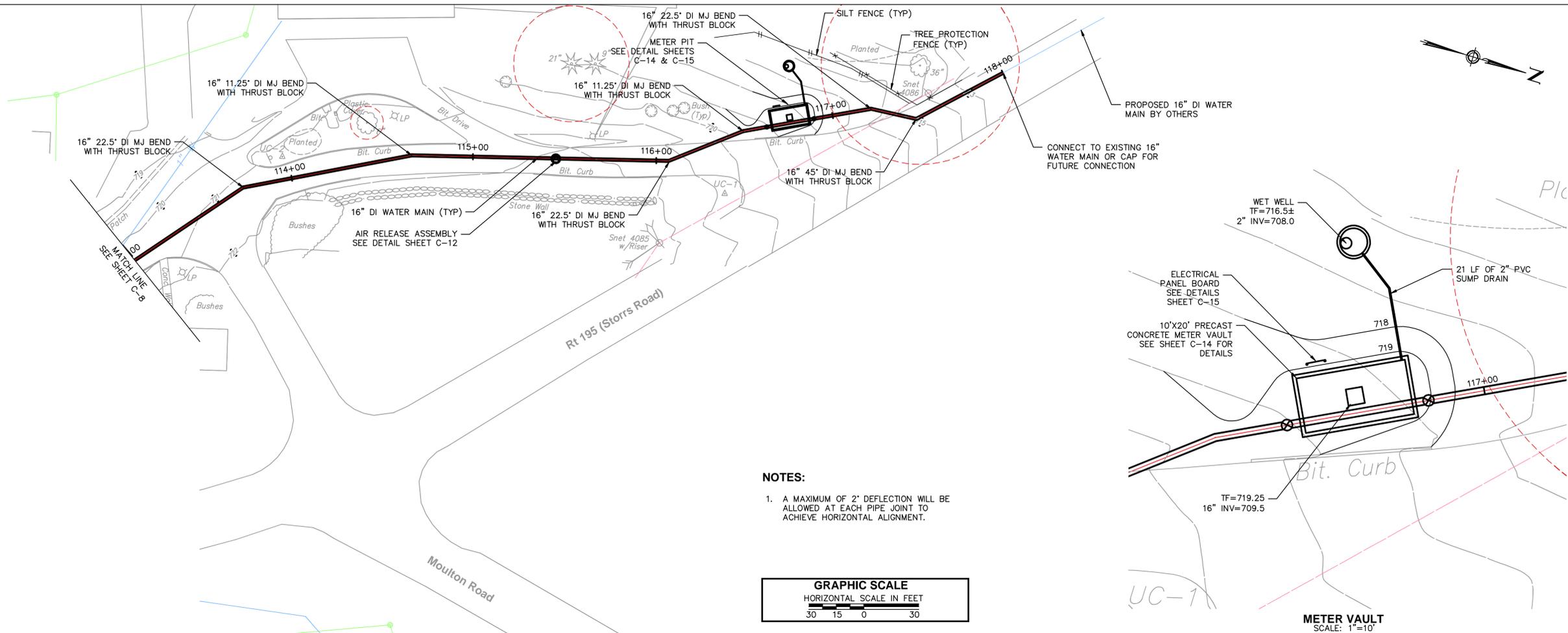
PROJECT:
 MAIN WATER
 SUPPLY LINE -
 PHASE 2
 DESIGN
 DEVELOPMENT

PROJECT NO: 901819
 WORK ORDER NO: 50438
 FILE NAME:
 P:\CIVIL PHASE
 2\SHEET\C-2-9

AUTHOR: PETER SAMMIS
 DRAFTER: KEVIN MCKENNA
 SCALE: AS NOTED
 PRINT DATE: JUNE 8, 2015
 SHEET TITLE:
**WATER MAIN
 PLAN/PROFILE**

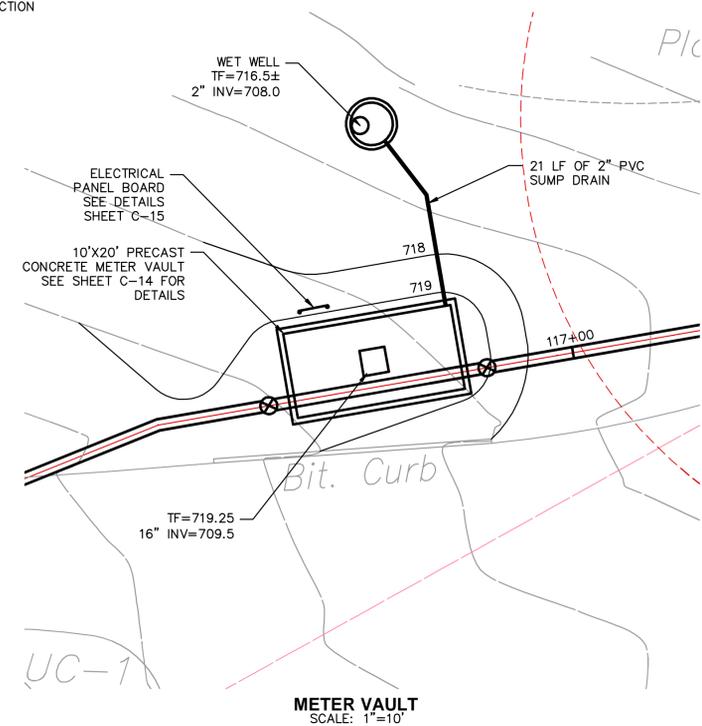
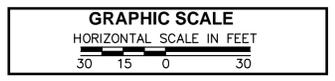
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 SHEET:
C-8
 SHEET: ___ of ___



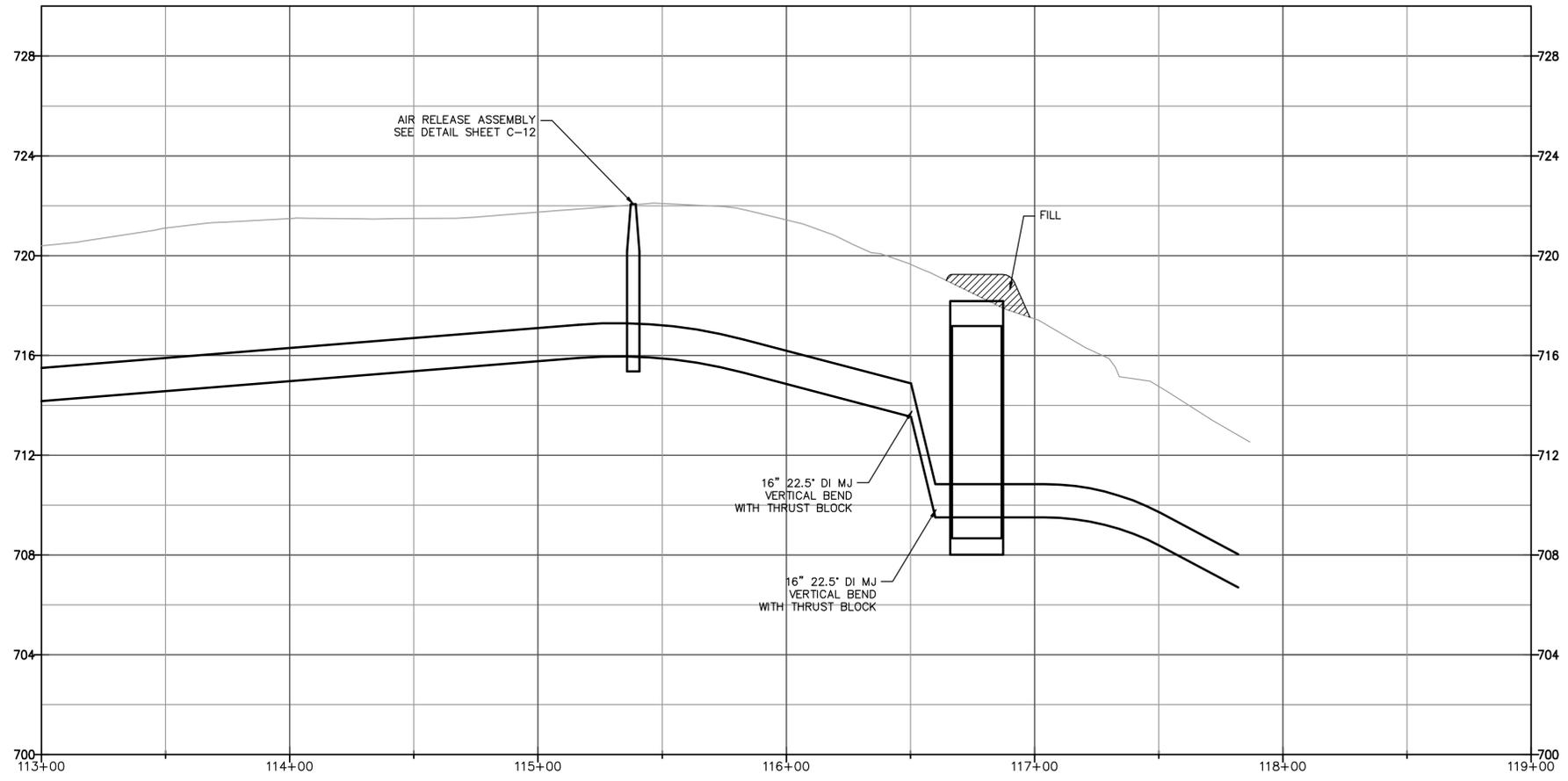
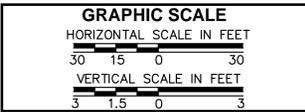


NOTES:

1. A MAXIMUM OF 2" DEFLECTION WILL BE ALLOWED AT EACH PIPE JOINT TO ACHIEVE HORIZONTAL ALIGNMENT.



METER VAULT
SCALE: 1"=10'



CERTIFICATION:

STATUS:
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CONSULTANT:
AECOM
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1-(860)-529-8882

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& ENGINEERING SERVICES
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STORRS, CONNECTICUT 06269-3038
TELEPHONE: (860) 486-3127
FACSIMILE: (860) 486-3177

PROJECT:

**MAIN WATER
SUPPLY LINE -
PHASE 2**

**DESIGN
DEVELOPMENT**

PROJECT NO: 901819
WORK ORDER NO: 50438
FILE NAME:
P\CIVIL PHASE
2\SHEET\C-2-9

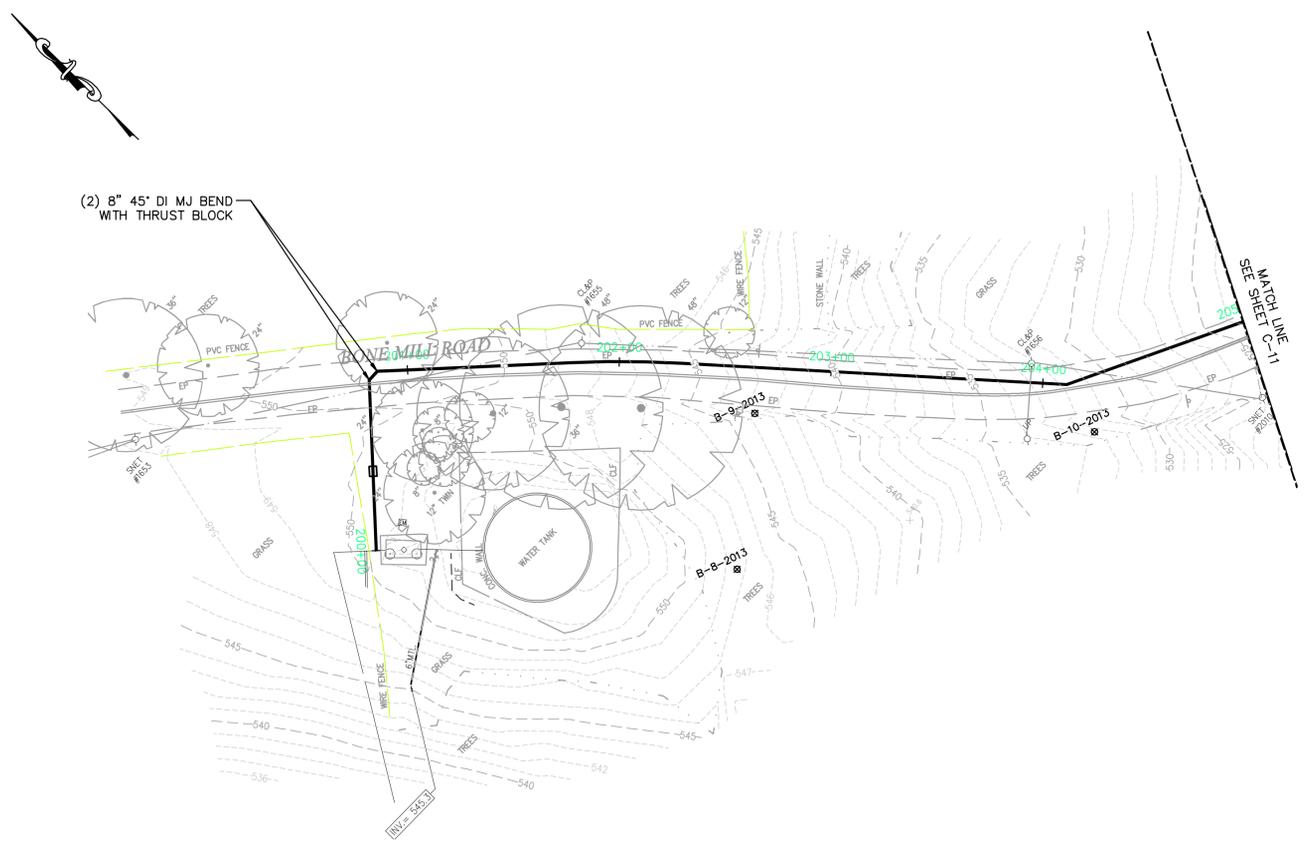
AUTHOR: PETER SAMMIS
DRAFTER: KEVIN MCKENNA
SCALE: AS NOTED
PRINT DATE: JUNE 8, 2015
SHEET TITLE:

**WATER MAIN
PLAN/PROFILE**

STA: 113+00 TO STA: 118+59
SHEET:

C-9

SHEET: of



NOTE:
 1. SEE SPECIFICATION SECTION 02001 FOR MAINTENANCE AND PROTECTION OF TRAFFIC REQUIREMENTS FOR BONE MILL ROAD.

CERTIFICATION:

 STATUS:
 Not for Construction

CONSULTANT:
AECOM
 500 ENTERPRISE DRIVE
 ROCKY HILL, CT 06067
 1-(860)-529-8882

REVISIONS:

MARK	DATE	DESCRIPTION
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 31 LEDOYT ROAD UNIT 3038
 STORRS, CONNECTICUT 06269-3038
 TELEPHONE: (860) 486-3127
 FACSIMILE: (860) 486-3177

PROJECT:

 MAIN WATER SUPPLY LINE - PHASE 2

 DESIGN DEVELOPMENT

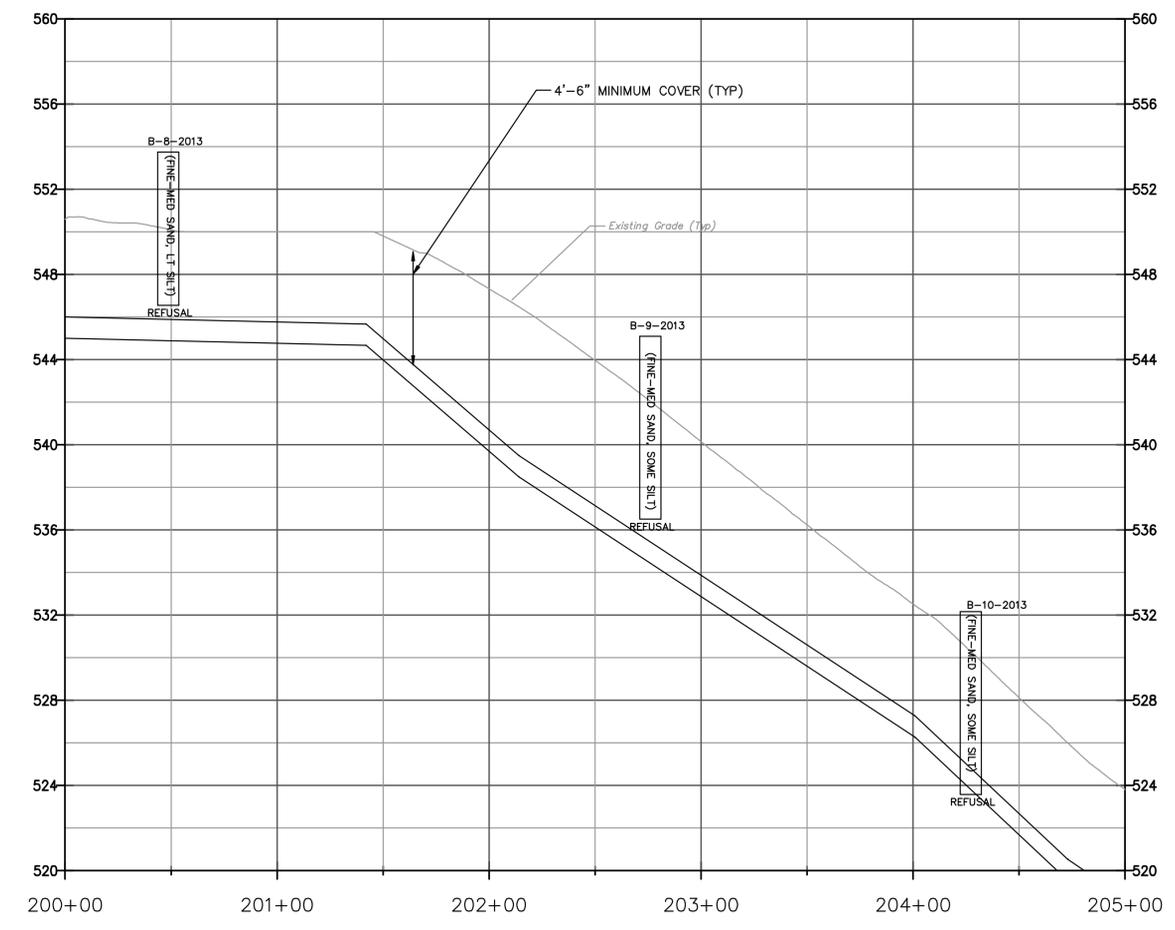
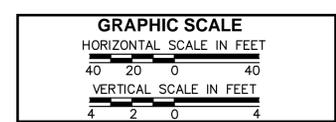
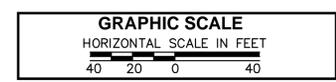
PROJECT NO: 901819
 WORK ORDER NO: 50438
 FILE NAME:
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 2\SHEETC-10

AUTHOR: PETER SAMMIS
 DRAFTER: KEVIN MCKENNA
 SCALE: AS NOTED
 PRINT DATE: JUNE 8, 2015
 SHEET TITLE:

WATER MAIN PLAN/PROFILE
 STA: 200+00 TO STA: 205+00
 SHEET:

C-10

SHEET: 1 of #



CERTIFICATION:

STATUS:
Not for Construction

CONSULTANT:
AECOM
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
1-(860)-529-8882

REVISIONS:

MARK	DATE	DESCRIPTION



UNIVERSITY OF CONNECTICUT
PLANNING, ARCHITECTURAL
& ENGINEERING SERVICES
31 LEDOYT ROAD UNIT 3038
STORRS, CONNECTICUT 06269-3038
TELEPHONE: (860) 486-3127
FACSIMILE: (860) 486-3177

PROJECT:

MAIN WATER
SUPPLY LINE -
PHASE 2

DESIGN
DEVELOPMENT

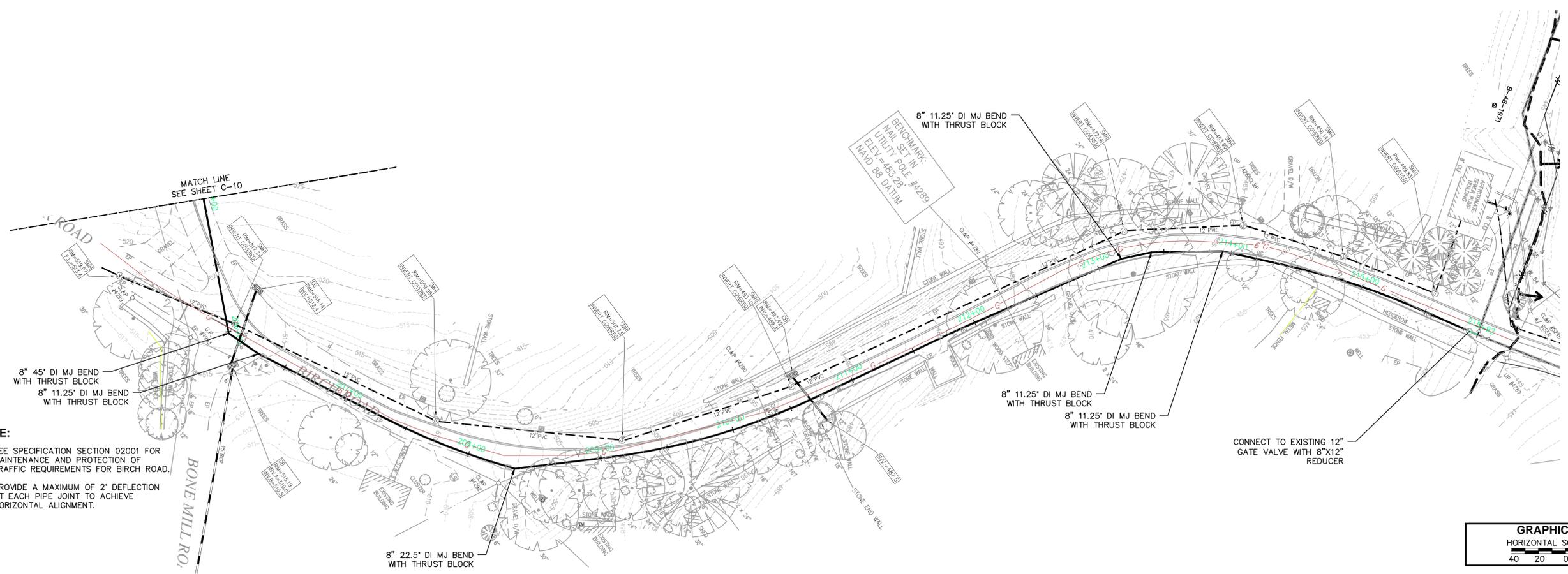
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WORK ORDER NO: XXXX
FILE NAME:
P\CIVIL PHASE
2\SHEET\C-11

AUTHOR: PETER SAMMIS
DRAFTER: KEVIN MCKENNA
SCALE: AS NOTED
PRINT DATE: MAY 12, 2015
SHEET TITLE:

**WATER MAIN
PLAN/PROFILE**
STA: 205+00 TO STA: 215+92
SHEET:

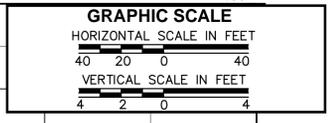
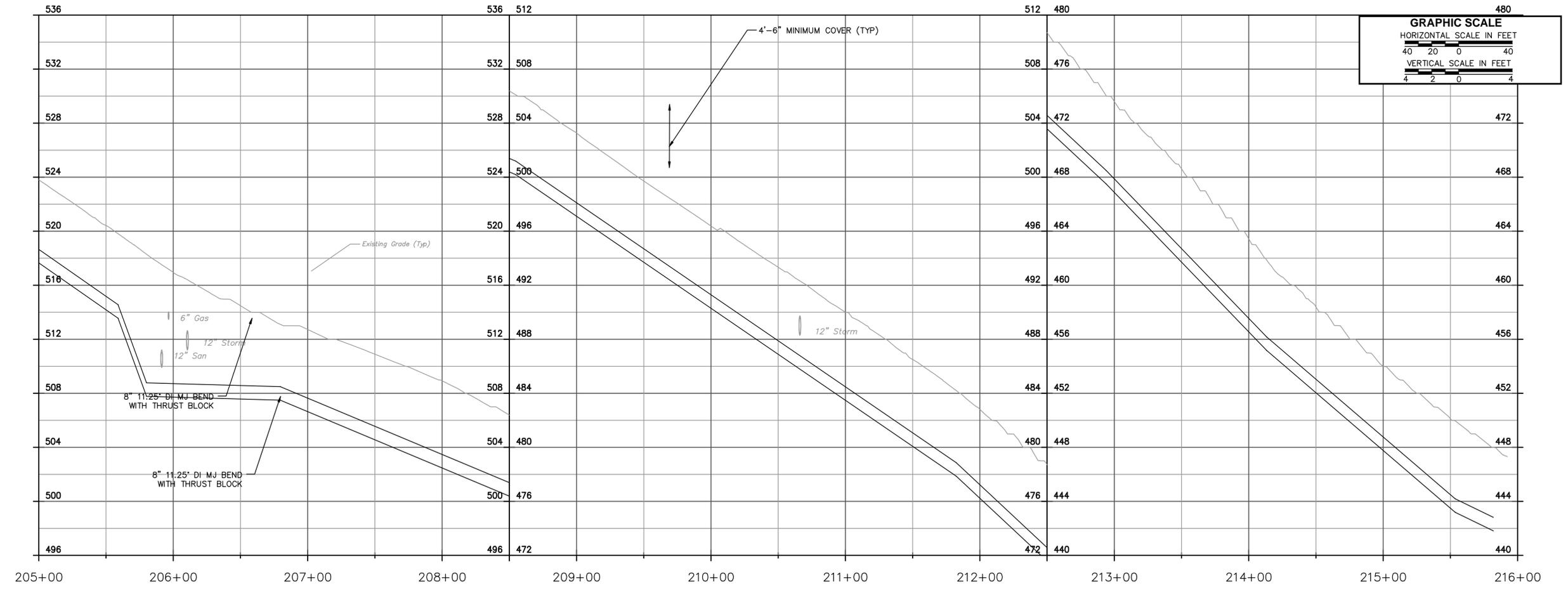
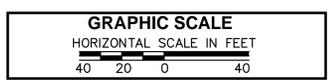
C-11

SHEET: of #



NOTE:

- SEE SPECIFICATION SECTION 02001 FOR MAINTENANCE AND PROTECTION OF TRAFFIC REQUIREMENTS FOR BIRCH ROAD.
- PROVIDE A MAXIMUM OF 2" DEFLECTION AT EACH PIPE JOINT TO ACHIEVE HORIZONTAL ALIGNMENT.



CERTIFICATION:

STATUS:
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CONSULTANT:
AECOM
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
1-(860)-529-8882

REVISIONS:

MARK	DATE	DESCRIPTION



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PLANNING, ARCHITECTURAL & ENGINEERING SERVICES
31 LEDOYT ROAD UNIT 3038
STORRS, CONNECTICUT 06269-3038
TELEPHONE: (860) 486-3127
FACSIMILE: (860) 486-3177

PROJECT:

MAIN WATER SUPPLY LINE - PHASE 2
DESIGN DEVELOPMENT

PROJECT NO: 901819
WORK ORDER NO: 50438
FILE NAME:
P:\CIVIL PHASE
2\SHEET-C-12

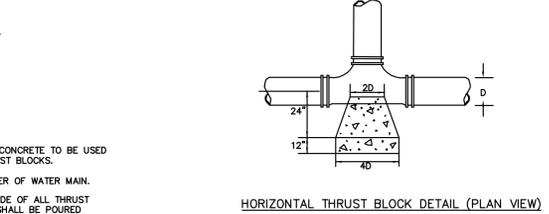
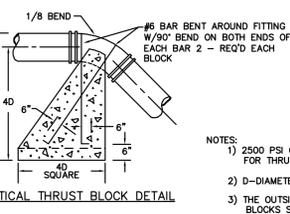
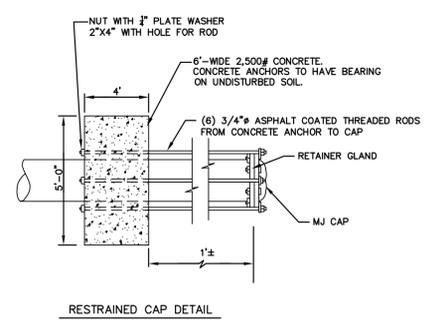
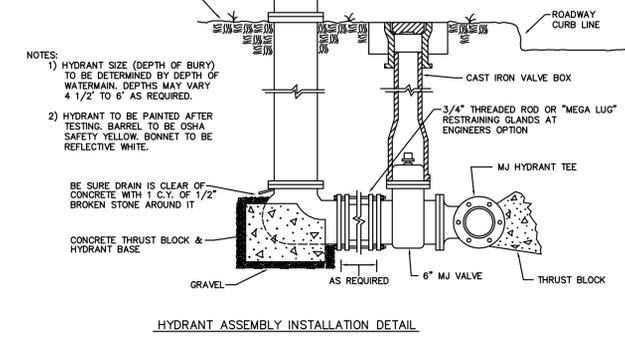
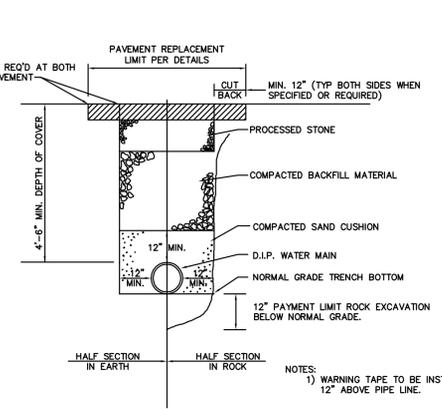
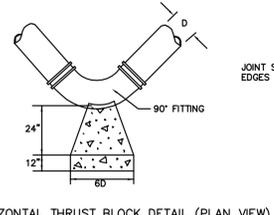
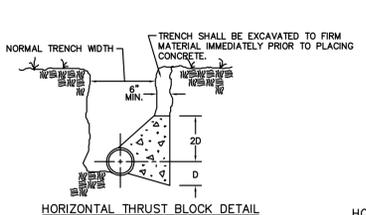
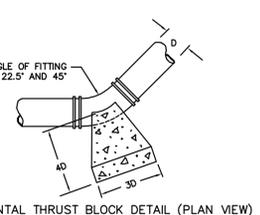
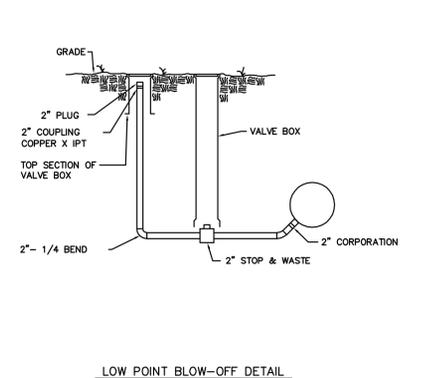
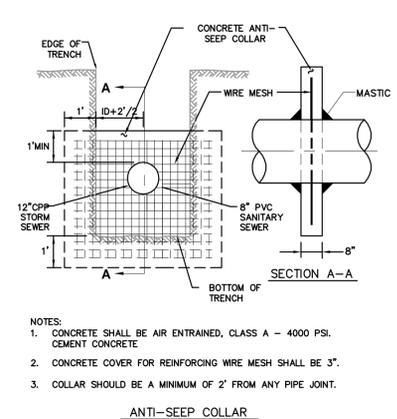
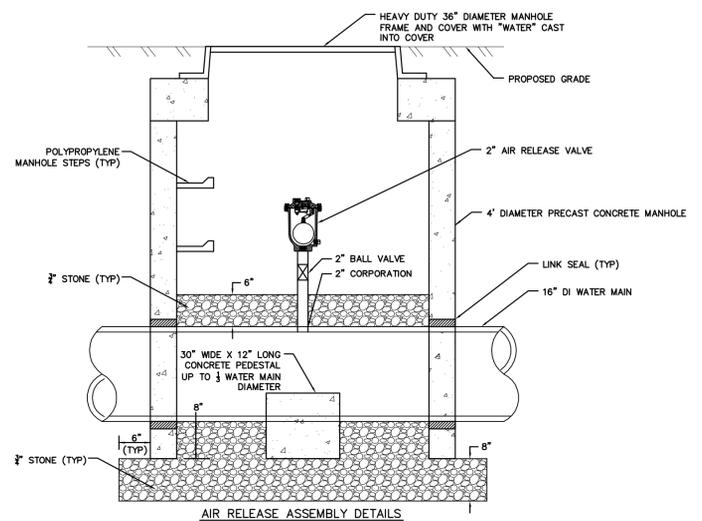
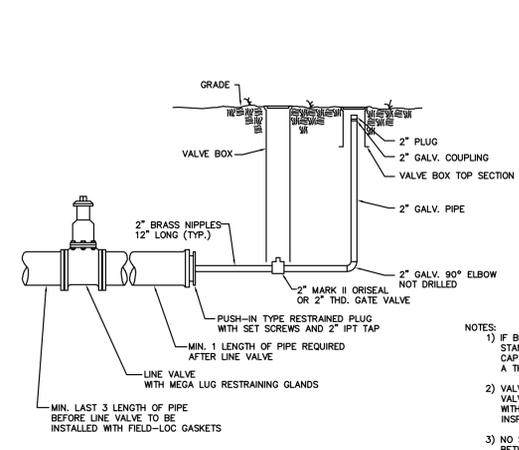
AUTHOR: PETER SAMMIS
DRAFTER: KEVIN MCKENNA
SCALE: AS NOTED
PRINT DATE: JUNE 8, 2015
SHEET TITLE:

WATER MAIN DETAILS

SHEET:

C-12

SHEET: of

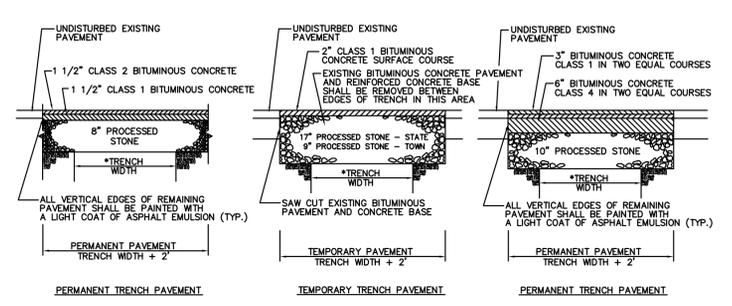
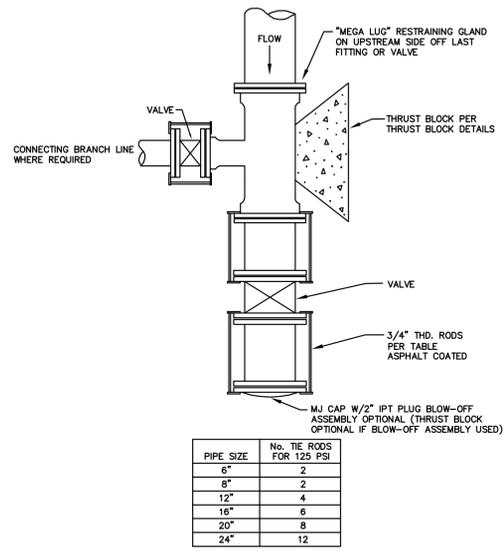


WATER MAIN INSTALLATION DETAIL & PAYMENT LIMITS

HYDRANT ASSEMBLY INSTALLATION DETAIL

RESTRAINED CAP DETAIL

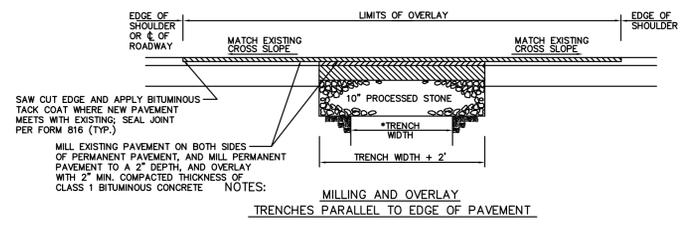
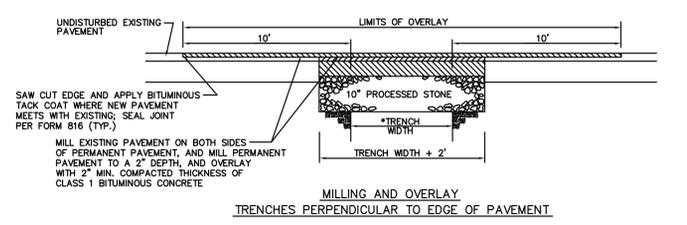
THRUST BLOCK DETAILS



- NOTES:
1) PROCESSED STONE TO BE PER CTDOT SPECIFICATIONS 3.04.03 & M.05.01.
2) BITUMINOUS CONCRETE PAVEMENT TO BE PER CTDOT SPECIFICATIONS 4.06 & M.04.
3) SPECIFICATION SECTIONS REFER TO CTDOT STANDARD SPECIFICATION FORM 816.

PAVEMENT DETAILS STATE AND TOWN ROADS

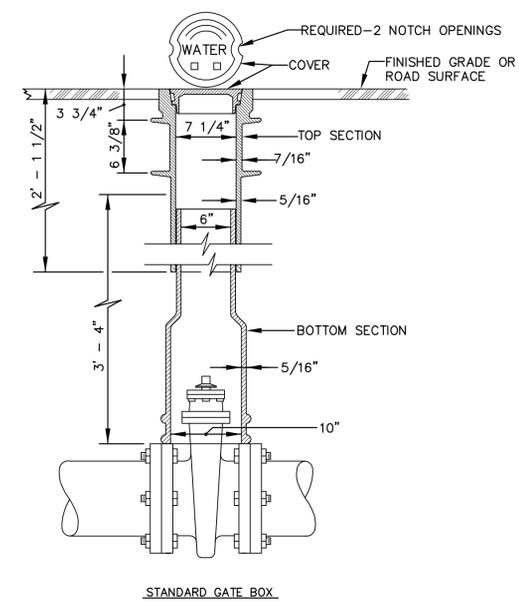
* TRENCH WIDTH FOR PURPOSES OF ESTABLISHING PAYMENT LIMIT WIDTH, SHALL BE ID + 2 FEET.



PAVEMENT DETAILS

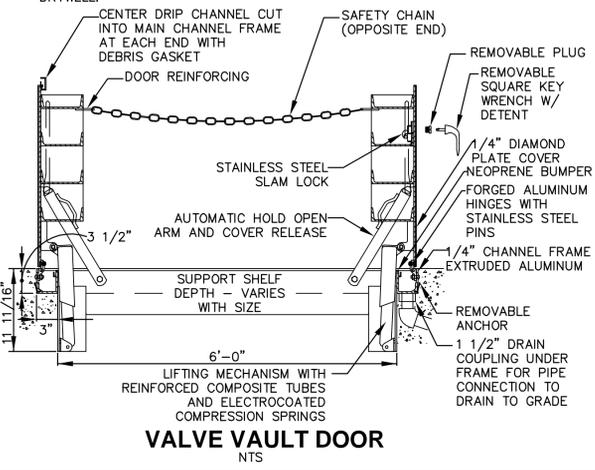
WATER MAIN GENERAL NOTES:

- THE CONTRACTOR SHALL FURNISH SAMPLING LINES, CAPS AND PLUGS AS REQUIRED FOR SAMPLING AND TESTING OF THE PROPOSED WATER MAIN PRIOR TO REMOVING THE EXISTING WATER MAIN OUT OF SERVICE.
- PROVIDE 1" CORPORATION AT THE CROWN OF THE PIPE FOR AIR EVACUATIONS DURING INITIAL FILLING.
- ANY WATER MAIN SHUTDOWNS AND CONNECTIONS TO EXISTING WATER MAINS SHALL BE PERFORMED AT NIGHT AND COORDINATED WITH THE UNIVERSITY OF CONNECTICUT AND THE CONNECTICUT WATER COMPANY.
- ALL TESTING (HYDROSTATIC PRESSURE TESTS, BACTERIAL SAMPLES, PHYSICAL SAMPLES, HETEROTROPHIC PLATE COUNTS (HPC)), AND ALL MATERIALS SHALL MEET THE CONNECTICUT WATER COMPANY STANDARDS.
- ALL MJ FITTINGS SHALL BE INSTALLED WITH "MEGA-LUG" RESTRAINING GLANDS AND THRUST BLOCKS, ALL PIPE SHALL BE INSTALLED WITH "FIELD-LOK" STYLE RESTRAINING GASKETS.
- TEMPORARY 2 INCH TAPS ON TOP OF THE PIPE SHALL BE PROVIDED FOR TESTING/SAMPLING. UPON SUCCESSFUL RESULTS THE TAPS SHALL BE REMOVED AND PLUGGED.



NOTES:

1. VALVE VAULT DOOR SHALL BE MODEL NO. JD-3AL H20, 4'-0"X6'-0" AS MANUFACTURED BY THE BILCO COMPANY, WEST HAVEN, CT. OR APPROVED EQUIVALENT.
2. 1 1/2" DRAIN COUPLING AND PIPE TO 4'X4'X4' 3/4" CRUSHED STONE WRAPPED IN FILTER FABRIC DRYWELL.



NOTES:

1. CONCRETE 5000 PSI MINIMUM STRENGTH @ 28 DAYS.
2. STEEL REINFORCEMENT - ASTM A-615 GRADE 60.
3. COVER STEEL - 1" MINIMUM
4. VALVE VAULT DESIGNED TO MEET ASTM-C858 AND ACI 318 AND TO WITHSTAND AASHTO HS-20 LOADING.
5. CONSTRUCTION JOINT - SEALED WITH 1" DIAMETER BUTYL RUBBER OR EQUIVALENT.
6. VALVE VAULT DOOR SHALL BE MODEL NO. JD-3AL-H20, 4'-0"X6'-0" AS MANUFACTURED BY THE BILCO COMPANY, WEST HAVEN, CT. OR APPROVED EQUIVALENT.
7. TOP OF VALVE VAULT SHALL BE CAST TO ACCEPT VALVE VAULT DOOR. THE DOOR SHALL BE FLUSH WITH TOP OF VALVE VAULT.
8. "LINK-SEALS" SHALL BE INSTALLED AT ALL VALVE VAULT PENETRATIONS. SEE VALVE VAULT WALL SLEEVE DETAIL, THIS SHEET.

CERTIFICATION:

STATUS: Not for Construction

CONSULTANT:
AECOM
 500 ENTERPRISE DRIVE
 ROCKY HILL, CT 06067
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REVISIONS:

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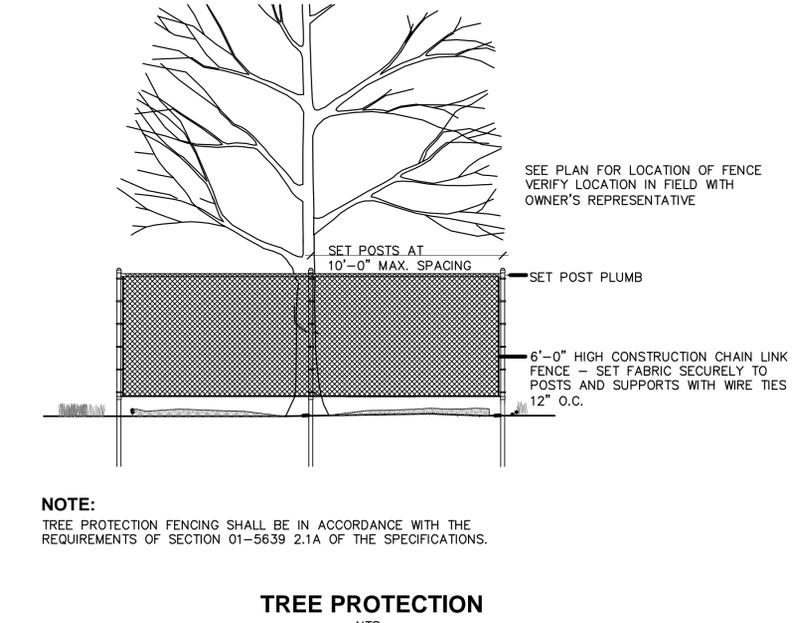
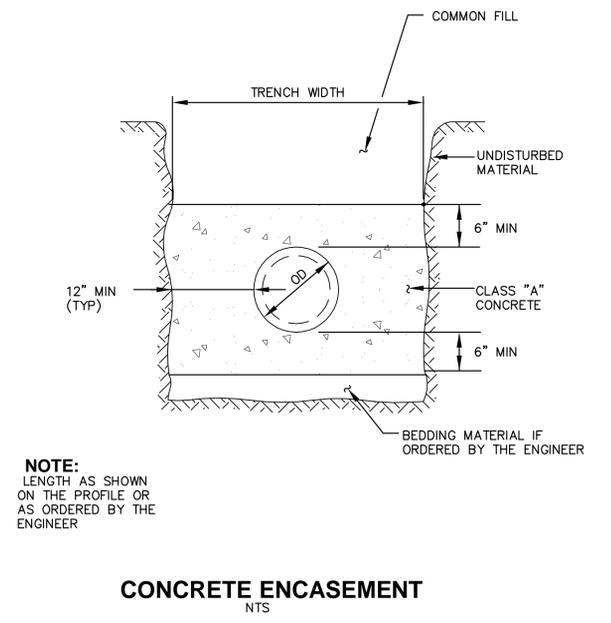
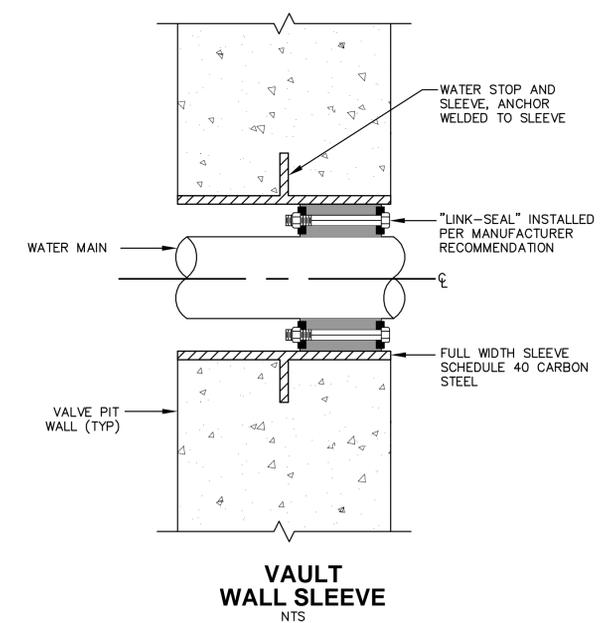
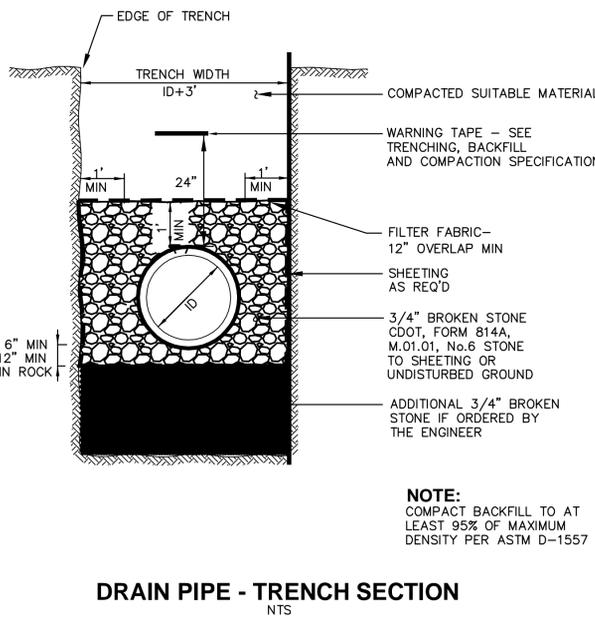
UNIVERSITY OF CONNECTICUT
 PLANNING, ARCHITECTURAL & ENGINEERING SERVICES
 31 LEDOYT ROAD UNIT 3038
 STORRS, CONNECTICUT 06269-3038
 TELEPHONE: (860) 486-3127
 FACSIMILE: (860) 486-3177

PROJECT:
MAIN WATER SUPPLY LINE - PHASE 2
 DESIGN DEVELOPMENT

PROJECT NO: 901819
 WORK ORDER NO: 50438
 FILE NAME: TYPICAL PHASE 2/SHEET C-13
 AUTHOR: PETER SAMMIS
 DRAFTER: KEVIN MCKENNA
 SCALE: AS NOTED
 PRINT DATE: JUNE 8, 2015
 SHEET TITLE:

MISCELLANEOUS DETAILS

SHEET: C-13
 SHEET: _ of _



CERTIFICATION:

STATUS:
Not for Construction

CONSULTANT:
AECOM
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
1-(860)-529-8882

REVISIONS:

MARK	DATE	DESCRIPTION



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31 LEDOYT ROAD UNIT 3038
STORRS, CONNECTICUT 06269-3038
TELEPHONE: (860) 486-3127
FACSIMILE: (860) 486-3177

PROJECT:

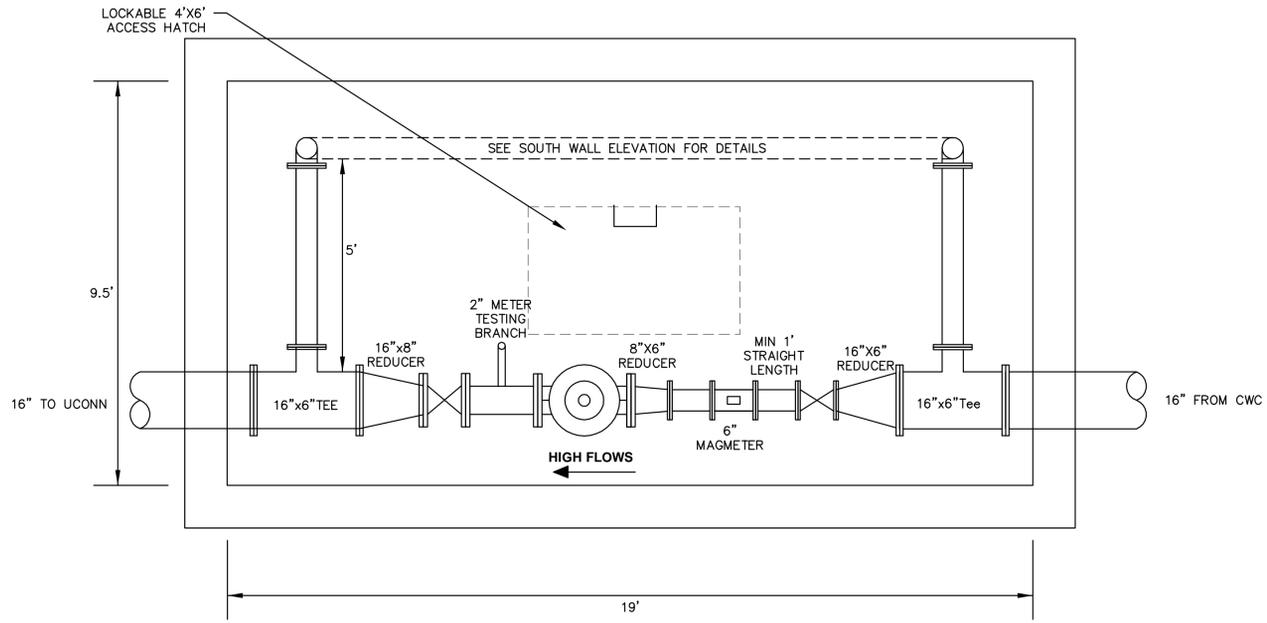
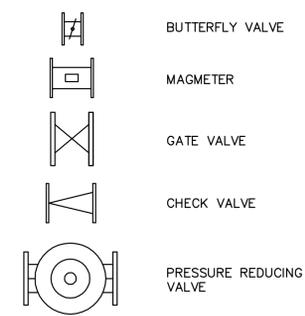
MAIN WATER SUPPLY LINE - PHASE 2

DESIGN DEVELOPMENT

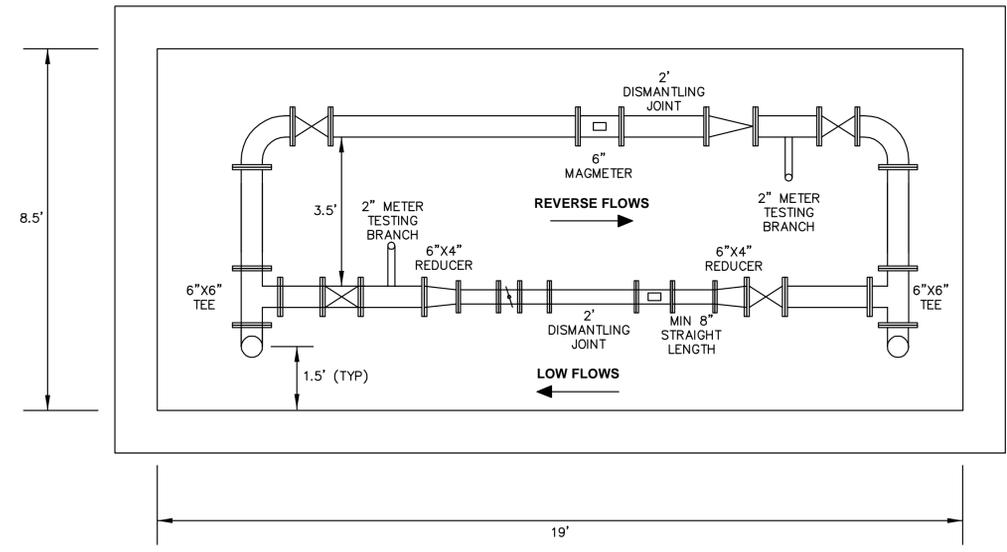
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DRAFTER: KEVIN MCKENNA
SCALE: AS NOTED
PRINT DATE: JUNE 8, 2015
SHEET TITLE:

METER VAULT DETAILS
SHEET:
C-14
SHEET: . of .

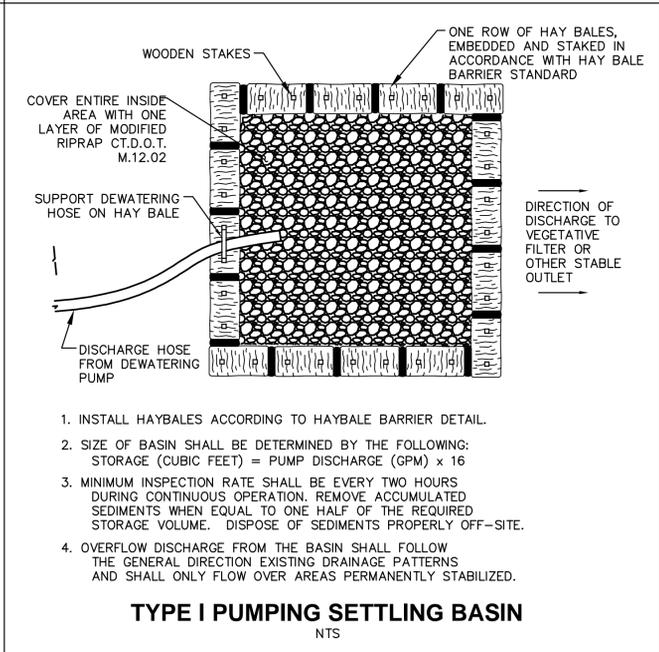
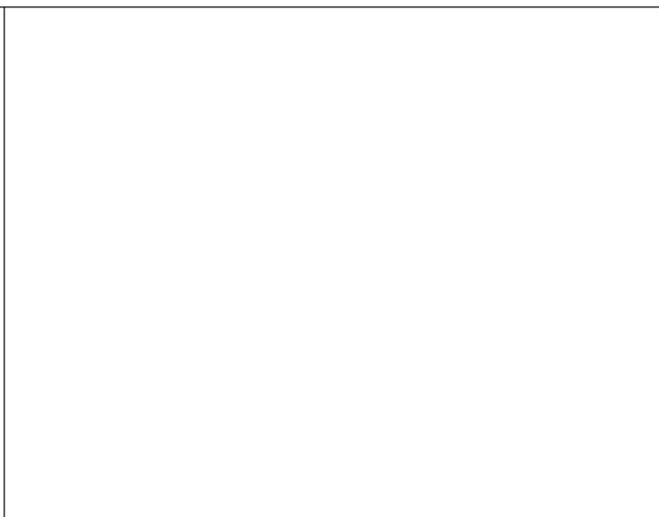
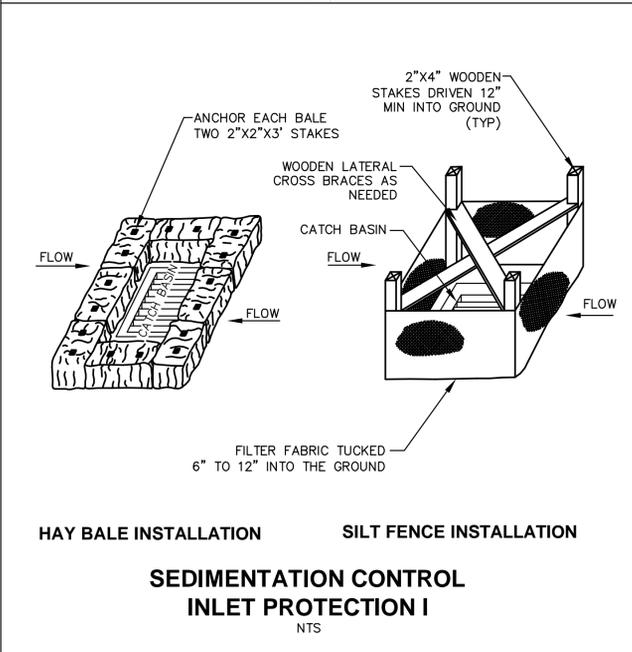
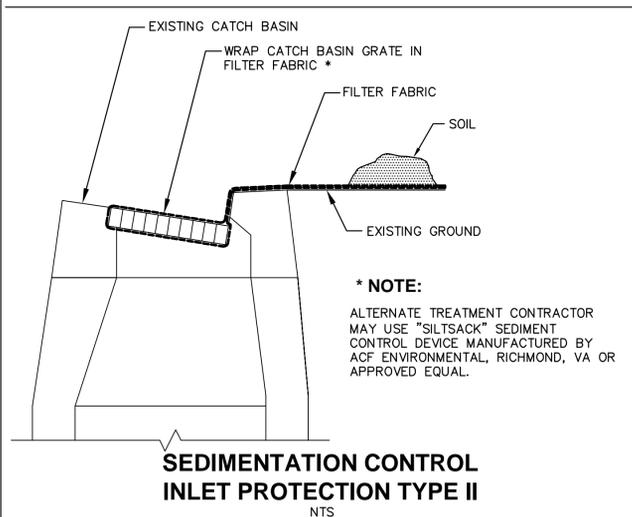
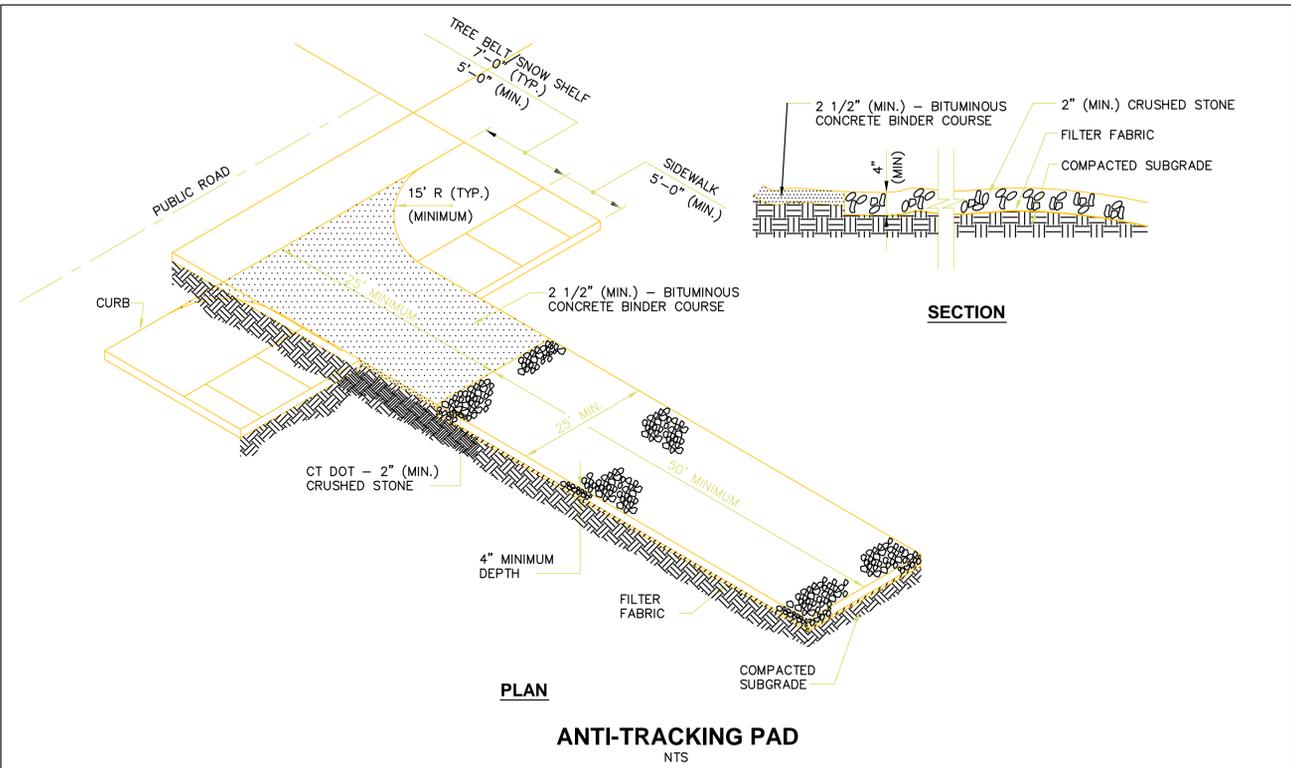
LEGEND:



METER VAULT PLAN
NTS

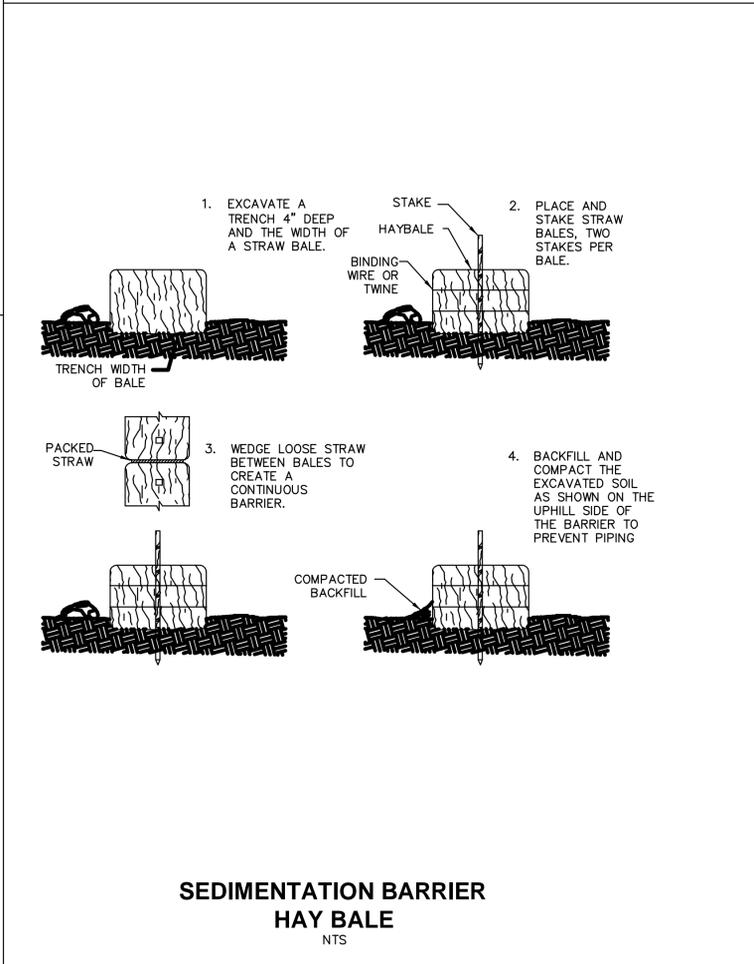
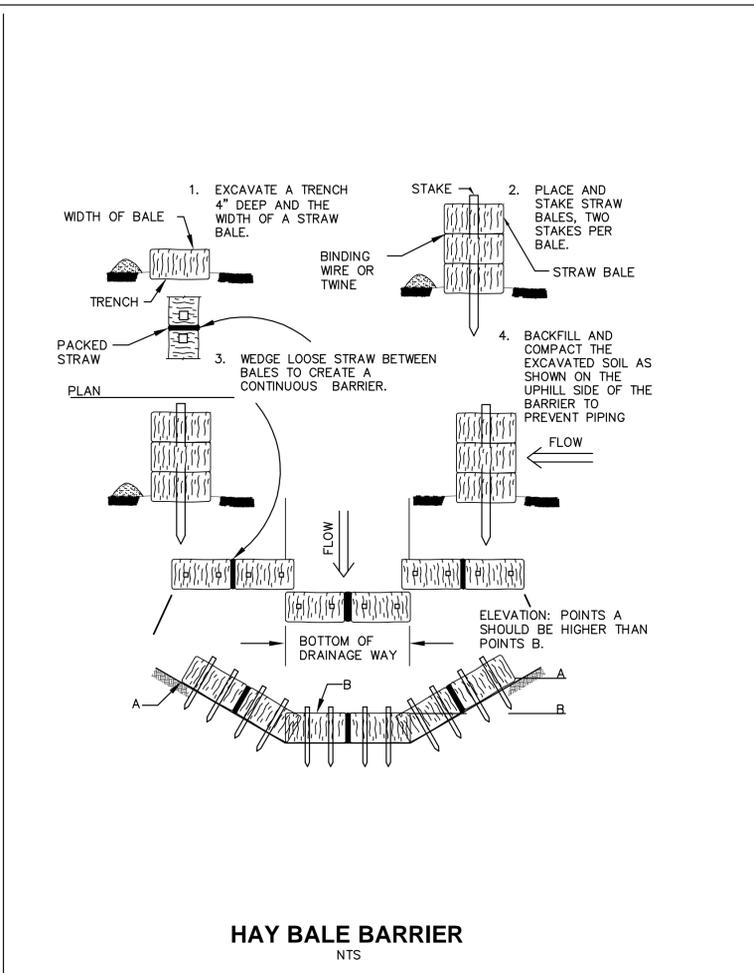
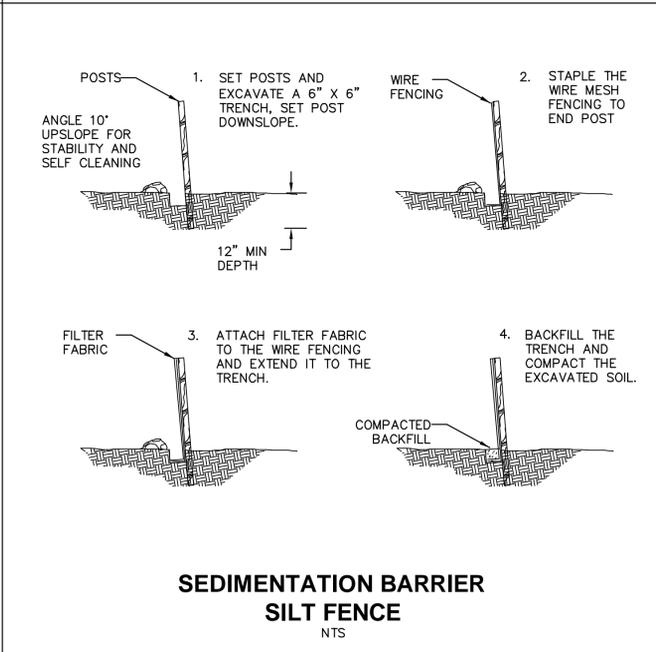


METER VAULT SOUTH WALL ELEVATION
NTS



SOIL EROSION AND SEDIMENTATION CONTROL NOTES

- CONTRACTOR SHALL CONTACT "CALL BEFORE YOU DIG" (1-800-922-4455) AND UCONN, OFFICE OF FACILITIES AT LEAST 48 HOURS PRIOR TO ANY FILL OR EXCAVATION OPERATION.
- IMPLEMENTATION OF ALL SEDIMENTATION AND EROSION CONTROL MEASURES SHALL CONFORM TO THE CONTRACT DRAWINGS AND SPECIFICATIONS OR TO THE CTDEP "CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL," REVISED 2002, WHICHEVER IS MORE STRINGENT.
- CONSTRUCTION ENTRANCES, PERIMETER SEDIMENTATION BARRIERS AND PROTECTION AT EXISTING INLETS SHALL BE INSTALLED PRIOR TO ANY EXCAVATION (INCLUDING THE REMOVAL OF STUMPS).
- IT IS THE INTENT OF THESE PLANS TO SHOW THE INITIAL SOIL EROSION AND SEDIMENTATION CONTROL MEASURES REQUIRED. ACTUAL LOCATIONS OF CONTROLS MAY CHANGE AS CONSTRUCTION PROCEEDS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADDITIONAL CONTROL MEASURES AS REQUIRED OR AS DIRECTED BY THE OWNER'S REPRESENTATIVE.
- AREAS DISTURBED BY CONSTRUCTION WHICH WILL NOT BE COVERED BY PAVEMENT, CURBING, OR SIDEWALKS SHALL BE PROVIDED WITH A PERMANENT OR TEMPORARY VEGETATIVE COVER OR MULCHED. THE COVER SHALL BE PROVIDED WITHIN 7 DAYS OF FINAL GRADING.
- IF WORK OF A DISTURBED AREA IS SUSPENDED AND/OR WILL NOT RECEIVE PERMANENT COVER WITHIN 30 DAYS, THEN THE AREAS SHALL BE PROTECTED WITH A MULCH OF HAY, JUTE MESH OR OTHER MATERIALS APPROPRIATE FOR TEMPORARY SOIL PROTECTION WITHIN 7 DAY OF SUSPENSION OF WORK. THESE MEASURES SHALL BE APPLIED IN CONFORMANCE WITH THE AFOREMENTIONED GUIDELINES.
- LONG TERM AND WINTER STABILIZATION WILL CONFORM TO THE PROVISIONS OF THE BEST MANAGEMENT PRACTICE (BMP), CTDOT STANDARD SPECIFICATIONS AND GUIDELINES.
- SEDIMENT AND DEBRIS TRAPPED BY SEDIMENT BARRIERS SHALL BE REMOVED AND DISPOSED OF AS DIRECTED BY THE OWNER'S REPRESENTATIVE OR AT A MINIMUM OF WHEN IT REACHES ONE HALF THE HEIGHT OF THE BARRIER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION, INSPECTION, MAINTENANCE AND REMOVAL OF ALL SEDIMENTATION AND EROSION CONTROL MEASURES. ALL MEASURES SHALL BE INSPECTED BY THE CONTRACTOR WEEKLY DURING DRY WEATHER, AFTER EACH RUNOFF PRODUCING STORM, AND AT LEAST ONCE A DAY DURING PERIODS OF PROLONGED RAINFALL. REPAIR OR REPLACEMENT OF DAMAGED SEDIMENTATION OR EROSION CONTROL MEASURES SHALL BE DONE IMMEDIATELY. SEDIMENTATION AND EROSION CONTROL MEASURES SHALL BE REMOVED AFTER UPLAND AREAS BECOME STABLE.
- PROVISIONS SHALL BE MADE TO SAFELY CONDUCT SURFACE RUNOFF TO PROTECTED STORM DRAINS OR PROTECTED OUTLETS TO ENSURE THAT SURFACE RUNOFF WILL NOT DAMAGE SLOPES OR OTHER GRADED AREAS.
- SEDIMENTATION BARRIERS SHALL BE INSTALLED AS CONSTRUCTION PROCEEDS AT THE TOES OF SLOPES, ACROSS SWALES AND ACROSS OPEN GRADED SURFACES. ALL AS NECESSARY TO CONTAIN SEDIMENTATION TRANSPORT.
- SIDE SLOPES OF STOCKPILED MATERIAL SHALL NOT EXCEED TWO HORIZONTAL TO ONE VERTICAL.
- ALL EROSION CONTROLS MUST REMAIN IN PLACE UNTIL AUTHORIZED FOR REMOVAL BY THE OWNER'S REPRESENTATIVE.
- ALL EMBANKMENT SLOPES 3:1 OR GREATER TO BE STABILIZED WITH EROSION CONTROL BLANKET UNLESS OTHERWISE NOTED ON THE DRAWINGS.
NORTH AMERICAN GREEN SC150BN OR
ERO MAT V150SC OR
LAND LOK
- THE CONTRACTOR SHALL DISCHARGE DEWATERING WASTEWATERS INTO TYPE I PUMPING SETTLING BASIN.
- CONTRACTOR SHALL BECOME FAMILIAR WITH AND ABIDE BY THE APPROVED GENERAL PERMIT FOR THE DISCHARGE OF STORMWATER AND DEWATERING WASTEWATER FROM CONSTRUCTION ACTIVITIES AND ASSOCIATED STORM WATER POLLUTION CONTROL PLAN FOR THIS PROJECT.



CERTIFICATION:

STATUS:
Not for Construction

CONSULTANT:
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REVISIONS:

MARK	DATE	DESCRIPTION

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PROJECT:
MAIN WATER
SUPPLY LINE -
PHASE 2
DESIGN
DEVELOPMENT

PROJECT NO: 901819
WORK ORDER NO: 50438
FILE NAME:
P:\CIVIL PHASE
2\SHSHEET-C-15

AUTHOR: PETER SAMMIS
DRAFTER: KEVIN MCKENNA
SCALE: AS NOTED
PRINT DATE: JUNE 8, 2015
SHEET TITLE:
**SOIL EROSION AND
SEDIMENTATION
CONTROL DETAILS**
SHEET:

C-15

SHEET: ___ of ___