

**TOWN OF EAST HARTFORD
PLANNING & ZONING COMMISSION
APPLICATION FORM**

DATE: May 3, 2019

Official Receipt Date:

 / /

1. APPLICATION TYPE: (CHECK ALL THAT APPLY)

***COMPLETE SECTION ON PAGE 2 OR 3**

- | | |
|---|--|
| <input type="checkbox"/> SITE PLAN APPLICATION | <input type="checkbox"/> NATURAL RESOURCES REMOVAL AND FILLING |
| <input type="checkbox"/> SITE PLAN MODIFICATION | <input type="checkbox"/> SPECIAL USE PERMIT* |
| <input type="checkbox"/> FLOOD HAZARD – MAJOR* | <input type="checkbox"/> ZONING MAP CHANGE* |
| <input type="checkbox"/> FLOOD HAZARD – MINOR* | <input type="checkbox"/> TEXT AMENDMENT* |
- ☐ SITE LOCATION APPROVAL
VEHICLE SALES ▶ ☐ NEW ☐ USED
REPAIRER ▶ ☐ LIMITED ☐ GENERAL
FUEL SALES ▶ ☐ FILLING STATION
- ☒ SOIL EROSION AND SEDIMENTATION - Cumulative disturbed area (sq. ft.): 65,000 sf

2. SITE AND PROJECT INFORMATION

PROPERTY ADDRESS: 211 & 301 East River Drive, plus(+) undesig. Dike ROW ZONE: B-2 and B-4

ASSESSORS MAP AND LOT: Map1, Lots 2 & 3, Map 2 + PARCEL SIZE (ACRES OR SQ. FT.): 23.7 ac, +

PROJECT NAME: Flood Control Systyem- Toe Drain Repair Project Phase1

PROJECT DESCRIPTION (ATTACH ADDITIONAL SHEETS IF NEEDED):

Town of East Hartford Flood Control System is in need of repairs to its Toe Drain System in order to continue to provide reliable protection and compliance with U.S. Army Corps of Engineers requirements. The Toe Drain System was found to have deficiencies and is in need of repair. The Toe Drain Phase 1 project involves repair/replacement of toe drains along the land side of the levee west of East River Drive from south of I-84 to a point opposite Hartland Street (2,500' +/-)

3. PROPERTY OWNER INFORMATION

☒ CHECK IF PRIMARY CONTACT

OWNER OF RECORD: Town of East Hartford, DPW

OWNER ADDRESS: 740 Main Street, East Hartford, CT

OWNER PHONE: 860-291-7383- D Wilson OWNER EMAIL: dwilson@easthartfordct.gov (contact for application)

OWNER SIGNATURE: [Signature] PRINT NAME: Keith Chapman, Dir Public Work

The undersigned owner hereby authorizes: **(1)** this application, and **(2)** the Planning and Zoning Commission and Town of East Hartford staff the right to enter upon the property for the purposes of inspection associated with this application.

4. APPLICANT INFORMATION

☐ CHECK IF PRIMARY CONTACT

☒ CHECK IF APPLICANT IS SAME AS PROPERTY OWNER

APPLICANT: _____

APPLICANT ADDRESS: _____

APPLICANT PHONE: _____ APPLICANT EMAIL: _____

APPLICANT SIGNATURE: _____ PRINT NAME: _____

5. DESIGN PROFESSIONAL INFORMATION

☐ CHECK IF PRIMARY CONTACT

FIRM: GEI Consultants, Inc. PHONE: 860-368-5426

CONTACT PERSON: John McGrane, PE EMAIL: jmcgrane@geiconsultants.com

- COMPLETE ONLY THE SECTIONS THAT APPLY TO YOUR APPLICATION TYPE -

A.	SPECIAL USE PERMIT	(ATTACH ADDITIONAL SHEETS IF NEEDED)
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1) Applicable Section of the Zoning Regulations: _____

2) Describe how the proposed Special Use Permit relates to the Plan of Conservation and Development:

3) Describe how the proposed Special Use Permit will benefit the Town of East Hartford:

B.	FLOOD HAZARD ZONE – MAJOR DEVELOPMENT OR MINOR DEVELOPMENT
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1) Name of associated watercourse: _____

2) Total amount of land (in sq. ft.) to be affected within the:

a. Flood Hazard Zone: _____

b. Floodway: _____

c. Floodway fringe: _____

3) Enumerate methods of compliance with Sections 601.10, 601.11, and 601.12 of the Zoning Regulations:

- COMPLETE ONLY THE SECTIONS THAT APPLY TO YOUR APPLICATION TYPE -

C. ZONING MAP CHANGE

(ATTACH ADDITIONAL SHEETS IF NEEDED)

1) Zoning information:

a. Existing Zoning District: _____

b. Proposed Zoning District: _____

2) Describe the existing and proposed use of land and buildings in zone change area:

3) Describe how the proposed Zone Change relates to the Plan of Conservation and Development:

4) Describe how the proposed Zone Change will benefit the Town of East Hartford:

D. TEXT AMENDMENT

(ATTACH ADDITIONAL SHEETS IF NEEDED)

1) Section number and wording of existing Zoning Regulation proposed for amendment:

2) Proposed revision, addition, or change in wording to the Zoning Regulations:

3) Describe the circumstance that justifies the proposed amendment:

4) Describe how the proposed amendment clarifies or improves the Zoning Regulations and improves development in the Town of East Hartford:

5) Describe how the proposed amendment relates to the Plan of Conservation and Development:

**EAST HARTFORD PLANNING AND ZONING COMMISSION
PUBLIC HEARING SIGN AFFIDAVIT**

FOR THE FOLLOWING APPLICATIONS:

SECTION 207 - SPECIAL USE PERMIT

SECTION 601 - FLOOD HAZARD ZONE

SECTION 602 - COMPREHENSIVE REHABILITATION ZONE

SECTION 603 - DESIGN DEVELOPMENT DISTRICT

SECTION 714 - ZONING MAP AMENDMENT

Address/location of subject parcel (s): _____

Applicant: _____

SIGN(S) RECEIVED BY: _____

Date

I hereby swear that I/we have complied with the applicable Public Notice section of the East Hartford Zoning Regulations for the following application:

SPECIAL USE PERMIT

MAJOR FLOOD HAZARD DEVELOPMENT

ZONING MAP AMENDMENT

The applicant shall display a sign or signs which indicate that an application has been filed for the area on which the sign or signs have been posted. Said sign or signs shall be erected and maintained by the applicant wherever the parcel abuts each public or private street from the day that the notice of public hearing has been posted until the first secular day following the public hearing.

APPLICANT SIGNATURE

DATE

**TOWN OF EAST HARTFORD PLANNING & ZONING COMMISSION
APPLICATION INFORMATION AND FEE SCHEDULE**

	APPLICATION	FEE	REGULATION SECTION	APPLICATION DESCRIPTION (SEE ZONING REGULATIONS FOR COMPLETE REQUIREMENTS)
USE PLANNING & ZONING COMMISSION APPLICATION FORM FOR THESE APPLICATIONS	SITE PLAN APPLICATION	\$160 + \$10/1000 sq. ft. building area or part thereof, or change of use	702	Any alteration or modification to the exterior of a building that requires a Building Permit – Multiple family dwellings (4+ units) and non-residential structures only
	SITE PLAN MODIFICATION	\$110 + \$10/1000 sq. ft. of additional building	702	Any modification to a previously approved site plan
	SPECIAL USE PERMIT	\$260	207	Any use designated as a “Special Permit Use” in the regulations
	SOIL EROSION AND SEDIMENTATION CONTROL PLAN	\$95	217	Cumulative disturbance of greater than one half (0.5) acres of land
	FLOOD HAZARD ZONE – MAJOR DEVELOPMENT	\$260	601	Any development activity occurring in the flood zone (see flood zone map)
	FLOOD HAZARD ZONE – MINOR DEVELOPMENT	\$95	601	Any development activity occurring in the flood zone (see flood zone map)
	SITE LOCATION APPROVAL	\$205	VARIOUS	Any automobile related use (dealer, repairer, gas station, etc.)
	TEXT AMENDMENT	\$260	712	Request to change Zoning Regulation text
	ZONE CHANGE	\$260	713	Request to change Zoning Map
	NATURAL RESOURCES REMOVAL AND FILLING PERMIT	\$125	218	Any excavation, removal, or filling of earthen materials
REQUIRES SEPARATE APPLICATION FORM	SIGN	\$115	210	Any sign installation, panel replacement, or alteration to a sign
	SUBDIVISION FINAL LAYOUT	\$160	REFER TO SUBDIVISION REGULATIONS	The creation of a new building lot
	SUBDIVISION PRELIMINARY LAYOUT	\$90/lot (\$200 minimum)	REFER TO SUBDIVISION REGULATIONS	The creation of a new building lot
	BOND RELEASE / REDUCTION REQUEST	\$0	VARIOUS	Request to release a bond for site work or erosion and sedimentation control measures
	DIGITAL DATA AFFIDAVIT FORM	N/A	705.2.b.1(e)	Accompanies final plans that lack a digital signature

Town of East Hartford Flood Control System Toe Drain Replacement Phase 1

Soil Erosion and Sedimentation Application & Inland Wetlands Application

Project Narrative

May 3, 2019

The Town of East Hartford is undertaking this project as part of its long-term program to upgrade and maintain the integrity of its flood control system that was initiated through the FEMA Levee Accreditation process. The Town has continued with this program to meet ongoing levee safety compliance standards of the U.S Army Corps of Engineers.

This project involves replacement of and improvement to an existing levee toe drain system within the Town of East Hartford flood control system between the Bulkeley Bridge (I-84) on the north and extending southerly to the intersection of East River Drive and Hartland Street. The new toe drain will replace approximately 2,500 feet of existing toe drain system essentially within the footprint of existing toe drain system.

The existing Toe Drain for East Hartford Levee system has failed due to deterioration of the internal pipe system and intrusion of fine sediments into the toe drain system. The new Toe Drain system will involve installation of new PVC slotted piping and concrete manholes. The Toe Drains will be in the range of 6 to 10 feet in depth and will be excavated using standard excavating equipment to remove the old piping and backfill. New piping and backfill will be installed predominantly within the existing toe drain trench. Surfaces will be restored in-kind with existing materials, which consist entirely of asphalt pavement, gravel, and mowed grass surfaces. The project plans submitted with this application depict the soil and erosion control measures that will be used during construction.

The full extent of the project is within an urbanized area west of East River drive. Land uses consist of include office and high-rise residential. Existing surface consist of asphalt pavement, gravel surface under the Riverpoint Condominiums parking deck, and mowed grassed surface on the levee toe and roadside adjacent to East River Drive.

The work is limited to replacement of an existing Toe Drain system which is on the land side of the East Hartford Earthen Levee and Concrete Floodwall system. All work is landward of the levee centerline. The entire footprint of the proposed Toe Drain replacement is urbanized parking areas, driveways, and roadside areas adjacent to the levee. The on-site and off-site surface conditions will remain the same as a result of this

Town of East Hartford Flood Control System
Toe Drain Replacement Phase 1
Soil Erosion and Sedimentation Permit Request

project and thus there are no impacts to report.

The Toe Drain system is designed to collect subsurface water which will discharge into an existing storm drain system. There are no provisions in the project design to collect surface drainage. The Town's Inland Wetlands and Watercourses Map depicts that a portion of the project is within the Upland Review Area, and the extreme southerly end of the project is within an area designated as an Inland Wetland based on the Town's Inland Wetlands and Watercourses Map.

A CT DEEP Natural Diversity Database (NDDB) Determination was requested and subsequently provided by DEEP (see Appendix 2). The NDDB Determination states that there are no negative impacts on state listed species anticipated as a result of this application.

The project area is shown as "Shaded Zone X " meaning that it is protected by an accredited levee. The Town of East Hartford obtained Levee Accreditation in 2010 and it remains a currently accredited levee system.

This project was part of a comprehensive levee repair project within the East Hartford Flood Protection system, which was previously authorized under Town of East Hartford permits, and a CT DEP Dam Safety Permit in 2010. Although other components of the comprehensive project were constructed under these permits, the Toe Drain Replacement portion did not commence within the permit specified time frame, and thus is the subject of this application as a stand-alone project.

Work is scheduled to commence by September 1, 2019 and completed by December 31, 2019.

Appendices to Executive Summary:

Appendix 1: Photos of the project area

Appendix 2: CT DEEP NDDB Determination

Appendix 1:

APPENDIX 1

Supplemental Project Information



Photo looking North from southern limit of project. Toe drain replacement proposed for levee toe area to the left of paved street (East River Drive)



Photo looking North. Toe drain replacement proposed for levee toe area to the left of paved street (East River Drive)



Photo looking North. Toe drain replacement proposed for floodwall toe to right of buttressed concrete floodwall.



Photo looking North. Toe drain replacement proposed for floodwall toe to right of buttressed concrete floodwall (under Riverpoint Condominium deck).



**Photo looking North (north of Founder Bridge) to northern terminus of project.
Toe drain replacement proposed for levee toe area to left of paved parking area.**

Appendix 2:

February 8, 2019

John McGrane, PE, CFM
GEI Consultants Inc, as agent for Town of East Hartford
455 Winding Brook Drive
Glastonbury, CT 06033
jmcgrane@geiconsultants.com

Project: Levee toe drain system Phase 1 repairs, East River Drive and Pitkin St, East Hartford, CT
NDDB Determination No.: 201901835

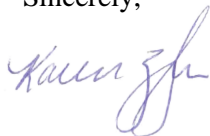
Dear Mr. McGrane,

I have reviewed Natural Diversity Database (NDDB) maps and files regarding the area of work provided for the proposed levee toe drain system Phase 1 repairs in East Hartford, Connecticut. I do not anticipate negative impacts to State-listed species (RCSA Sec. 26-306) resulting from your proposed activity at the site based upon the information contained within the NDDB. The result of this review does not preclude the possibility that listed species may be encountered on site and that additional action may be necessary to remain in compliance with certain state permits. This determination is good for two years. Please re-submit a new NDDB Request for Review if the scope of work changes or if work has not begun on this project by February 8, 2021.

Natural Diversity Data Base information 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, cooperating units of DEEP, landowners, private conservation groups and the scientific community. This information is not necessarily the result of comprehensive or site-specific field investigations. Consultations with the NDDB should not be substitutes for on-site surveys necessary for a thorough environmental impact assessment. 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 database as it becomes available.

Please contact me if you have further questions at (860) 424-3378, or karen.zyko@ct.gov . Thank you for consulting the Natural Diversity Database.

Sincerely,



Karen Zyko
Environmental Analyst

EAST HARTFORD TOE DRAIN PHASE 1
PROJECT ABUTTER LIST

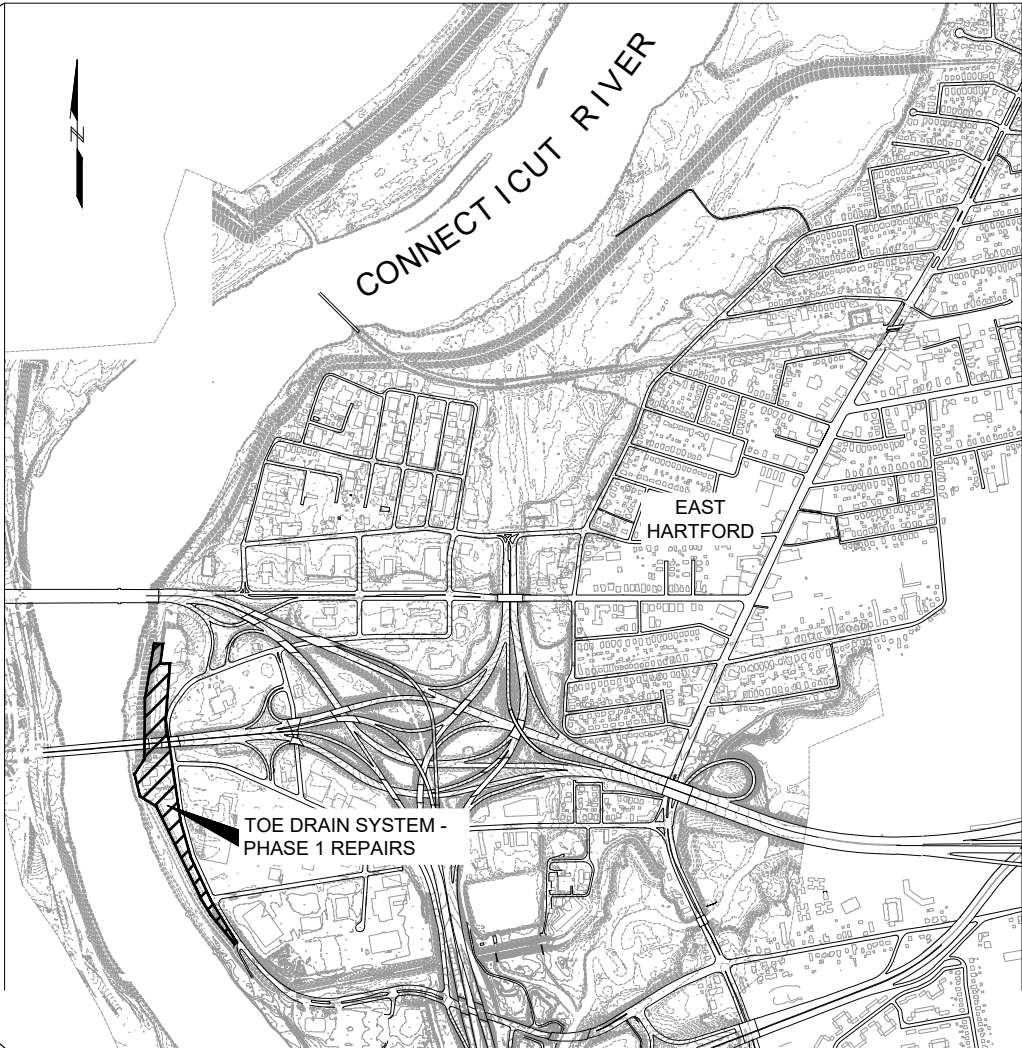
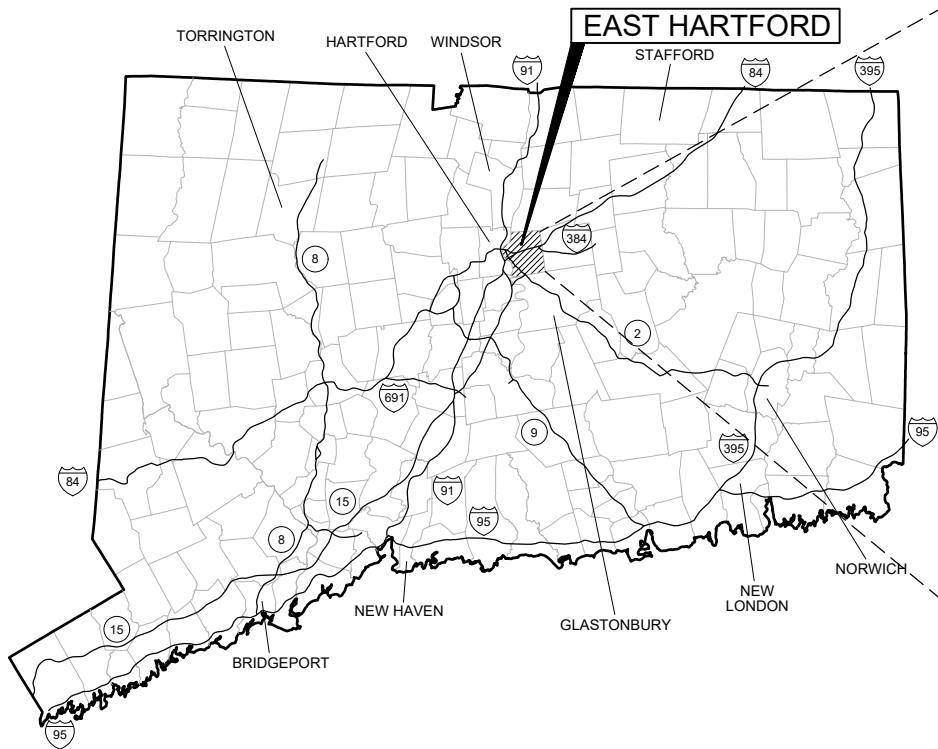
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235 EAST RIVER DR #101	171-357 PARK AVENUE EH LLC	LEASING OFFICE	360 MAIN ST	HARTFORD	CT	06106	3344/ 111	235 EAST RIVER DR #101
235 EAST RIVER DR #201	FAJI JAMES F		42 EASTBURY HILL UNIT 7	GLASTONBURY	CT	06030	2431/ 118	235 EAST RIVER DR #201
235 EAST RIVER DR #202	LAURIA KATHLEEN C		235 E RIVER DR UNIT #202	EAST HARTFORD	CT	06108	2073/ 313	235 EAST RIVER DR #202
235 EAST RIVER DR #203	FARSWANI YOGESH CHANDRAKANT & SEEMA YOG		235 E RIVER DR UNIT 203	EAST HARTFORD	CT	06108	3143/ 182	235 EAST RIVER DR #203
235 EAST RIVER DR #204	CALDERONE RICHARD		235 EAST RIVER DR 204	EAST HARTFORD	CT	06108	3822/ 316	235 EAST RIVER DR #204
235 EAST RIVER DR #205	KLEIN GARY P & CODA-KLEIN LYNN L		235 EAST RIVER DR #205	EAST HARTFORD	CT	06108	3269/ 290	235 EAST RIVER DR #205
235 EAST RIVER DR #206	AMBER MANAGEMENT III LLC		235 EAST RIVER DR 206	EAST HARTFORD	CT	06108	3451/ 177	235 EAST RIVER DR #206
235 EAST RIVER DR #208	ROHENA WILMA & ROHENA JOEL		235 EAST RIVER DR UNIT 208	EAST HARTFORD	CT	06108	3768/ 348	235 EAST RIVER DR #208
235 EAST RIVER DR #301	JAMERICAN SLEEVE BEARING LLC		ONE SPRING ST	STAFFORD SPRINGS	CT	06076	3525/ 143	235 EAST RIVER DR #301
235 EAST RIVER DR #302	ORTIZ RIVERA JULIO O		235 EAST RIVER DR 302	EAST HARTFORD	CT	06108	3508/ 293	235 EAST RIVER DR #302
235 EAST RIVER DR #303	SANTANDER BANK NA		824 NO MARKET ST SUITE 100	WILMINGTON	DE	19801	3777/ 288	235 EAST RIVER DR #303
235 EAST RIVER DR #304	HULTON JEANNE M		235 EAST RIVER DR 304	EAST HARTFORD	CT	06108	3573/ 338	235 EAST RIVER DR #304
235 EAST RIVER DR #305	ANDERSON WILLIAM E JR &	GROGAN TIMOTHY S	235 EAST RIVER DR UNIT 305	EAST HARTFORD	CT	06108	3527/ 116	235 EAST RIVER DR #305
235 EAST RIVER DR #306	BARBARA J I LAUTZENHEISER	REVOCABLE TRUST	17 HUNTINGRIDGE DR	SOUTH GLASTONBURY	CT	06073	3740/ 306	235 EAST RIVER DR #306
235 EAST RIVER DR #307	MIRANDA JOEY LEE		235 E RIVER DR UNIT 307	E HARTFORD	CT	06108	2824/ 48	235 EAST RIVER DR #307
235 EAST RIVER DR #308	ANUNCIADO TITO J & ALMA N		3550 HEBRON AVENUE	GLASTONBURY	CT	06033	3161/ 326	235 EAST RIVER DR #308
235 EAST RIVER DR #401	BLEVINS TIMOTHY L & MORALES ANGEL M		235 EAST RIVER DR 401	EAST HARTFORD	CT	06108	3577/ 162	235 EAST RIVER DR #401
235 EAST RIVER DR #402	HATZIKOSTANTIS DINA		235 EAST RIVER DR UNIT 402	EAST HARTFORD	CT	06108	3683/ 126	235 EAST RIVER DR #402
235 EAST RIVER DR #403	HSIEH BAO LING		235 EAST RIVER DR 403	EAST HARTFORD	CT	06108	3807/ 274	235 EAST RIVER DR #403
235 EAST RIVER DR #404	ALLEN MICHAEL J & MARCIA M		235 EAST RIVER DR UNIT 404	EAST HARTFORD	CT	06118	3453/ 293	235 EAST RIVER DR #404
235 EAST RIVER DR #405	BRAUMAN ELISSA		235 EAST RIVER DR 405	EAST HARTFORD	CT	06118	3357/ 67	235 EAST RIVER DR #405
235 EAST RIVER DR #406	MANGIAFICO THOMAS &	MANGIAFICO CARLA	235 EAST RIVER DR 406	EAST HARTFORD	CT	06108	3661/ 117	235 EAST RIVER DR #406
235 EAST RIVER DR #407	JOYCE THOMAS		235 E RIVER DRIVE UNIT 407	E HARTFORD	CT	06108	2996/ 135	235 EAST RIVER DR #407
235 EAST RIVER DR #408	USHA REDDY LIVING TRUST	REDDY USHA AS TRUSTEE	235 E RIVER DR UNIT 408	E HARTFORD	CT	06108	3175/ 337	235 EAST RIVER DR #408
235 EAST RIVER DR #501	STONE CHERYL A		235 E RIVER DR U# 501	EAST HARTFORD	CT	06108	1855/ 287	235 EAST RIVER DR #501
235 EAST RIVER DR #502	NENNI ANGELA LYNN		235 E RIVER DRIVE UNIT 502	E HARTFORD	CT	06108	2999/ 316	235 EAST RIVER DR #502
235 EAST RIVER DR #503	HINGORANI SANJAY S		3185 ST IVES COUNTRY CLUB PKY	DULUTH	GA	30097	3060/ 148	235 EAST RIVER DR #503
235 EAST RIVER DR #504	JORGENSEN JOHN H & LOUITA I		180 SO OCEAN DR	DEERFIELD BEACH	FL	33441	3472/ 171	235 EAST RIVER DR #504
235 EAST RIVER DR #505	PANDISCIA CAROL C		235 EAST RIVER DR #505	EAST HARTFORD	CT	06108	3801/ 43	235 EAST RIVER DR #505
235 EAST RIVER DR #506	SCHILBERG ROBB		235 EAST RIVER DR UNIT 506	EAST HARTFORD	CT	06108	3273/ 353	235 EAST RIVER DR #506
235 EAST RIVER DR #507	KORZH ALEXANDER V & TETYANA V		235 E RIVER DR UNIT 507	EAST HARTFORD	CT	06108	2368/ 96	235 EAST RIVER DR #507
235 EAST RIVER DR #508	YAMAMOTO PRESCILLE F		235 E RIVER DR UNIT 508	EAST HARTFORD	CT	06108	2156/ 270	235 EAST RIVER DR #508
235 EAST RIVER DR #601	WU HAN CYANG R		235 E RIVER DR UNIT 601	E HARTFORD	CT	06108	2617/ 218	235 EAST RIVER DR #601
235 EAST RIVER DR #602	GARY WEINBERGER REVOCABLE TRUST	IRENE MARION REVOCABLE TRUST	9566 SAIL PALM CT	BOYNTON BEACH	FL	33473	3349/ 270	235 EAST RIVER DR #602
235 EAST RIVER DR #603	BARCHI DOLORES A TRUSTEE	DOLORES A BARCHI REVOCABLE TRUST	1 FRIENDSHIP CIR	GROTON	CT	06348	3644/ 16	235 EAST RIVER DR #603
235 EAST RIVER DR #604	HALL ANDRE		235 E RIVER DR UNIT 604	EAST HARTFORD	CT	06108	3128/ 93	235 EAST RIVER DR #604
235 EAST RIVER DR #605	POWERS MARY M		235 EAST RIVER DR UNIT 605	EAST HARTFORD	CT	06108	3504/ 281	235 EAST RIVER DR #605
235 EAST RIVER DR #606	WILLIAMS LAWRENCE &	WILLIAMS DEENA C	235 EAST RIVER DR 606	EAST HARTFORD	CT	06108	3782/ 123	235 EAST RIVER DR #606
235 EAST RIVER DR #607	ASHFORD LESLIE & ASHFORD GREGORY		235 EAST RIVER DR 607	EAST HARTFORD	CT	06108	3718/ 27	235 EAST RIVER DR #607
235 EAST RIVER DR #608	RUSSO LINDA A		235 E RIVER DR UNIT 608	EAST HARTFORD	CT	06108	2394/ 178	235 EAST RIVER DR #608
235 EAST RIVER DR #701	GEISMAN RICHARD C &	OREGAN ROSEMARY	235 EAST RIVER DR 701	EAST HARTFORD	CT	06108	3684/ 338	235 EAST RIVER DR #701
235 EAST RIVER DR #702	MIENTUS MORGAN		235 EAST RIVER DR 702	EAST HARTFORD	CT	06108	3753/ 120	235 EAST RIVER DR #702
235 EAST RIVER DR #703	MENT MARALYN S TRUSTEE	MARALYN S MENT TRUST AGREEMENT	235 EAST RIVER DR 703	EAST HARTFORD	CT	06108	3769/ 229	235 EAST RIVER DR #703
235 EAST RIVER DR #704	BARALL MARIA C		235 EAST RIVER DR 704	EAST HARTFORD	CT	06108	3562/ 62	235 EAST RIVER DR #704
235 EAST RIVER DR #705	COLLINS MARY ELLEN		235 EAST RIVER DRIVE UNIT #705	EAST HARTFORD	CT	06108	1536/ 238	235 EAST RIVER DR #705
235 EAST RIVER DR #706	SAMIOTIS JOYCE M AS TRUSTEE	JOYCE M SAMIOTIS REVOCABLE TRUST	235 EAST RIVER DR UNIT 706	EAST HARTFORD	CT	06108	3774/ 3	235 EAST RIVER DR #706
235 EAST RIVER DR #707	JONES MARLENE		235 EAST RIVER DR UNIT 707	EAST HARTFORD	CT	06108	3689/ 102	235 EAST RIVER DR #707
235 EAST RIVER DR #708	FEDERAL NATIONAL MORTGAGE ASSOCIATION		13455 NOEL RD SUITE 950	DALLAS	TS	75240	3731/ 117	235 EAST RIVER DR #708
235 EAST RIVER DR #801	SALMON CARLOS		28 JONATHAN CIRCLE	WINDSOR	CT	06095	2966/ 12	235 EAST RIVER DR #801
235 EAST RIVER DR #802	TOLANEY POOJA		235 E RIVER DR UNIT 802	E HARTFORD	CT	06108	2592/ 245	235 EAST RIVER DR #802
235 EAST RIVER DR #803	COLAN MIGUEL A		235 EAST RIVER DR 803	EAST HARTFORD	CT	06108	3525/ 47	235 EAST RIVER DR #803
235 EAST RIVER DR #804	HALL JANICE M		2313 SE AVALON RD	PORT ST LUCIE	FL	34952	3197/ 147	235 EAST RIVER DR #804
235 EAST RIVER DR #805	EBRAHIMI LAURIE J	SWEENEY DOUGLAS K	235 E RIVER DR #805	EAST HARTFORD	CT	06108	3091/ 255	235 EAST RIVER DR #805
235 EAST RIVER DR #806	DUFFY ROBERT J & LILES BETTY Z TRUSTEES	DUFFY LILES REVOCABLE TRUST	235 EAST RIVER DR 806	EAST HARTFORD	CT	06108	3636/ 171	235 EAST RIVER DR #806
235 EAST RIVER DR #807	DAIGNEAULT WAYDE A		235 E RIVER DR #807	EAST HARTFORD	CT	06108	1940/ 140	235 EAST RIVER DR #807
235 EAST RIVER DR #808	DASTUR DINO N TRUSTEE REVOCABLE TRUST	GILLUNG TOM	20 FLORAL LANE	CHESHIRE	CT	06410	1834/ 342	235 EAST RIVER DR #808

EAST HARTFORD TOE DRAIN PHASE 1
PROJECT ABUTTER LIST

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235 EAST RIVER DR #901	DONZA MARISA A		235 EAST RIVER DR 901	EAST HARTFORD	CT	06108	3547/ 294	235 EAST RIVER DR #901
235 EAST RIVER DR #902	LOPEZ ESTELA R		235 E RIVER DR # 902	EAST HARTFORD	CT	06108	2067/ 333	235 EAST RIVER DR #902
235 EAST RIVER DR #903	KIMBALL MICHAEL T		235 EAST RIVER DR 903	EAST HARTFORD	CT	06108	3317/ 333	235 EAST RIVER DR #903
235 EAST RIVER DR #904	PEARSON ROBIN MESSIER & RICHARD		235 E RIVER DR UNIT 904	E HARTFORD	CT	06108	2504/ 318	235 EAST RIVER DR #904
235 EAST RIVER DR #906	JACOBS JOHN & LORRAINE		235 E RIVER DR UNIT 906	EAST HARTFORD	CT	06108	3102/ 129	235 EAST RIVER DR #906
235 EAST RIVER DR #907	BUCZYNSKI THOMAS F		235 EAST RIVER DR U #907	EAST HARTFORD	CT	06108	1308/ 9	235 EAST RIVER DR #907
235 EAST RIVER DR #908	BRAUNSTEIN MICHAEL & ZAZZARO RITU		235 EAST RIVER DR 908	EAST HARTFORD	CT	06108	3624/ 24	235 EAST RIVER DR #908
235 EAST RIVER DR #1001	DAIGNEAULT BRIAN M &	CASALE DAIGNEAULT ROSANNE J	235 EAST RIVER DR UNIT 1001	EAST HARTFORD	CT	06108	3816/ 215	235 EAST RIVER DR #1001
235 EAST RIVER DR #1002	LAPENTA DOMINIC		235 EAST RIVER DR #1002	EAST HARTFORD	CT	06108	3371/ 343	235 EAST RIVER DR #1002
235 EAST RIVER DR #1003	DILORENZO LORRAINE C TRUSTEE		235 E RIVER DR UNIT 1003	E HARTFORD	CT	06118	2814/ 200	235 EAST RIVER DR #1003
235 EAST RIVER DR #1004	SCELZA TONY		235 E RIVER DR UNIT 1401	EAST HARTFORD	CT	06108	2295/ 16	235 EAST RIVER DR #1004
235 EAST RIVER DR #1005	REIK JAMES E EST OF & CYNTHIA W		235 EAST RIVER DR 1005	EAST HARTFORD	CT	06108	3498/ 279	235 EAST RIVER DR #1005
235 EAST RIVER DR #1006	JIANG HAO & WENYAN & JINMEI		235 EAST RIVER DR 1006	EAST HARTFORD	CT	06108	3588/ 110	235 EAST RIVER DR #1006
235 EAST RIVER DR #1007	171-357 PARK AVENUE EH LLC	LEASING OFFICE	360 MAIN ST	HARTFORD	CT	06106	3344/ 113	235 EAST RIVER DR #1007
235 EAST RIVER DR #1008	CORREA MIGUEL A		235 EAST RIVER DR #1008	EAST HARTFORD	CT	06108	3353/ 237	235 EAST RIVER DR #1008
235 EAST RIVER DR #1101	PRABHU AJIT		235 EAST RIVER DR 1101	EAST HARTFORD	CT	06108	3461/ 37	235 EAST RIVER DR #1101
235 EAST RIVER DR #1102	MITA REAL ESTATE I I L L C		235 E RIVER DR UNIT 1102	EAST HARTFORD	CT	06108	3174/ 41	235 EAST RIVER DR #1102
235 EAST RIVER DR #1103	CHA CHUNG-HOU & HSIAO-WEI		100 WINSTON DR, UNIT 12-D N	CLIFFSIDE PARK	NJ	07045	1542/ 1	235 EAST RIVER DR #1103
235 EAST RIVER DR #1104	COLON VILMARIS		235 EAST RIVER DR 1104	EAST HARTFORD	CT	06108	3534/ 76	235 EAST RIVER DR #1104
235 EAST RIVER DR #1105	PITTMAN PATTY J		235 EAST RIVER DR UNIT 1105	EAST HARTFORD	CT	06108	3670/ 264	235 EAST RIVER DR #1105
235 EAST RIVER DR #1106	THOMAS NORMAN T & VALERIE E		235 EAST RIVER 1106	EAST HARTFORD	CT	06108	1775/ 100	235 EAST RIVER DR #1106
235 EAST RIVER DR #1107	PET DONALD & PET MARILYN & ASHER		235 EAST RIVER DRIVE 1601	EAST HARTFORD	CT	06108	1398/ 222	235 EAST RIVER DR #1107
235 EAST RIVER DR #1108	FREEMAN DERON D		1 LINDEN PL UNIT 101A	HARTFORD	CT	06106	2872/ 265	235 EAST RIVER DR #1108
235 EAST RIVER DR #1201	BUYAK MAUREEN B		235 EAST RIVER DR 1201	EAST HARTFORD	CT	06108	3813/ 146	235 EAST RIVER DR #1201
235 EAST RIVER DR #1202	SCHOEN STEPHEN G		235 EAST RIVER DR 1202	EAST HARTFORD	CT	06108	3385/ 84	235 EAST RIVER DR #1202
235 EAST RIVER DR #1203	COLON WILFREDO		235 EAST RIVER DR 1203	EAST HARTFORD	CT	06118	3434/ 56	235 EAST RIVER DR #1203
235 EAST RIVER DR #1204	BARBARA J I LAUTZENHEISER	REVOCABLE TRUST	17 HUNTINGRIDGE DR	SOUTH GLASTONBURY	CT	06073	3740/ 308	235 EAST RIVER DR #1204
235 EAST RIVER DR #1205	FISHMAN DAVID & PARKS RANDY		530 SILAS DEANE HWY RM 230	WETHERSFIELD	CT	06109	3575/ 234	235 EAST RIVER DR #1205
235 EAST RIVER DR #1206	RIVERPOINT 1206 L L C		P O BOX 2737	HARTFORD	CT	06146	3034/ 1	235 EAST RIVER DR #1206
235 EAST RIVER DR #1207	HALL TRICIA ERICA		235 EAST RIVER DR 1207	EAST HARTFORD	CT	06108	3816/ 267	235 EAST RIVER DR #1207
235 EAST RIVER DR #1301	MINTATOS SAVVAS		647 CYPRESS RD	NEWINGTON	CT	06111	3013/ 326	235 EAST RIVER DR #1301
235 EAST RIVER DR #1302	BELL KIMBERLY & QUILES ABIHAEL		235 EAST RIVER DR 1302	EAST HARTFORD	CT	06108	3792/ 85	235 EAST RIVER DR #1302
235 EAST RIVER DR #1303	PSARAS JAMES		235 EAST RIVER DR #1303	EAST HARTFORD	CT	06108	1822/ 90	235 EAST RIVER DR #1303
235 EAST RIVER DR #1304	CHAR-LIFSHITZ NANETTE T	LIFSHITZ HARRIS T	235 EAST RIVER DR 1304	EAST HARTFORD	CT	06108	3321/ 77	235 EAST RIVER DR #1304
235 EAST RIVER DR #1305	SULLIVAN DAVID E & SUZANNE E		235 EAST RIVER DR UNIT 1305	EAST HARTFORD	CT	06108	3535/ 294	235 EAST RIVER DR #1305
235 EAST RIVER DR #1306	FROMSON SANDRA BENDER		1 GOLD ST 14 C	HARTFORD	CT	06103	2052/ 63	235 EAST RIVER DR #1306
235 EAST RIVER DR #1307	UCHINO TOSHIKO		235 E RIVER DR #1307	EAST HARTFORD	CT	06108	1884/ 184	235 EAST RIVER DR #1307
235 EAST RIVER DR #1401	HENRY MARCO &	HENRY HENELIZA ARIES	235 EAST RIVER DR #1401	EAST HARTFORD	CT	06108	3575/ 144	235 EAST RIVER DR #1401
235 EAST RIVER DR #1402	MOUTA CARLOS A TRUSTEE	LEASING OFFICE	360 MAIN ST	HARTFORD	CT	06106	2185/ 272	235 EAST RIVER DR #1402
235 EAST RIVER DR #1403	STUART T COOPER TRUST AGREEMENT	COOPER STUART T & JO ANN TRUSTEES	235 EAST RIVER DR 1403	EAST HARTFORD	CT	06108	3545/ 216	235 EAST RIVER DR #1403
235 EAST RIVER DR #1501	ROMANELLI IRENE H & PAUL F		235 EAST RIVER DR 1501	EAST HARTFORD	CT	06108	3623/ 151	235 EAST RIVER DR #1501
235 EAST RIVER DR #1502	ADAMS CYNTHIA L		235 E RIVER DR UNIT 1502	E HARTFORD	CT	06108	2839/ 149	235 EAST RIVER DR #1502
235 EAST RIVER DR #1503	SHERWIN JOSEPH D & GRARD STEPHANIE L		235 E RIVER DRIVE UNIT 1503	E HARTFORD	CT	06108	2705/ 170	235 EAST RIVER DR #1503
235 EAST RIVER DR #1601	PET DONALD & PET MARILYN		235 EAST RIVER DRIVE 1601	EAST HARTFORD	CT	06108	1627/ 59	235 EAST RIVER DR #1601
235 EAST RIVER DR #1602	E MARVIN HENKEN GST FAMILY TRUST	C/O ELEANOR C HENKEN TRUSTEE	235 EAST RIVER DR UNIT 1602	EAST HARTFORD	CT	06108	3239/ 280	235 EAST RIVER DR #1602
235 EAST RIVER DR #1701	HOMEOWNERS FINANCE CO		530 SILAS DEANE HWY	WETHERSFIELD	CT	06109	3504/ 316	235 EAST RIVER DR #1701
Lot 41 EAST RIVER DR	TOWN OF EAST HARTFORD		740 MAIN STREET	EAST HARTFORD	CT	06108	1/ 1	Lot 41 EAST RIVER DR
301 EAST RIVER DR	TOWN OF EAST HARTFORD		740 MAIN ST	EAST HARTFORD	CT	06108	1/ 1	301 EAST RIVER DR
211 EAST RIVER DR	TOWN OF EAST HARTFORD		740 MAIN ST	EAST HARTFORD	CT	06108	118/ 483	211 EAST RIVER DR
237 EAST RIVER DR	MANCHESTER LAND CONSERVATION TRUST INC		20 HARTFORD RD	MANCHESTER	CT	06040	2910/ 96	237 EAST RIVER DR
99-101 EAST RIVER DR	FREEMONT RIVERVIEW LLC		65 LASALLE ROAD SUITE 202	WEST HARTFORD	CT	06107	3641/327	99-101 EAST RIVER DR
HIGHWAY RTE 2 AND I-84	STATE OF CT DEPT OF TRANSPORTATION		PO BOX DRAWER A	WETHERSFIELD	CT	06109	N/A	RTE 2 AND I-84

EAST HARTFORD FLOOD CONTROL SYSTEM
TOE DRAIN REPAIR PROJECT PHASE 1
EAST HARTFORD LEVEE
EAST HARTFORD, CONNECTICUT

SOIL EROSION AND SEDIMENTATION APPLICATION PLAN SET
SHEETS G1, C1, C2, C3, C4, C7, G3, G1
(EXCERPTS FROM CONSTRUCTION BID DOCUMENTS)



DRAWING LIST		
SHEET. NO.	DWG. NO.	DRAWING TITLE
GENERAL DRAWINGS		
1	G-1	COVER SHEET
2	G-2	GENERAL NOTES
3	G-3	EROSION AND SEDIMENT CONTROL NOTES AND DETAILS
BSC SURVEY DRAWINGS		
4	BSC-1	EXISTING CONDITIONS PLAN (1 OF 10)
5	BSC-2	EXISTING CONDITIONS PLAN (2 OF 10)
6	BSC-3	EXISTING CONDITIONS PLAN (3 OF 10)
7	BSC-4	EXISTING CONDITIONS PLAN (4 OF 10)
8	BSC-5	EXISTING CONDITIONS PLAN (5 OF 10)
9	BSC-6	EXISTING CONDITIONS PLAN (6 OF 10)
10	BSC-7	EXISTING CONDITIONS PLAN (7 OF 10)
11	BSC-8	EXISTING CONDITIONS PLAN (8 OF 10)
12	BSC-9	EXISTING CONDITIONS PLAN (9 OF 10)
13	BSC-10	EXISTING CONDITIONS PLAN (10 OF 10)
ENVIRONMENTAL DRAWINGS		
14	EV-1	SUBSURFACE EXPLORATION LOCATION PLAN
15	EV-2	AREAS OF REGULATED SOIL
CIVIL DRAWINGS		
16	C-1	GENERAL PLAN OF REPAIRS
17	C-2	TOE DRAIN REPAIR PLAN AND PROFILE (1 OF 3)
18	C-3	TOE DRAIN REPAIR PLAN AND PROFILE (2 OF 3)
19	C-4	TOE DRAIN REPAIR PLAN AND PROFILE (3 OF 3)
20	C-5	NORTH TOE DRAIN DETAIL PLANS
21	C-6	SOUTH TOE DRAIN DETAIL PLANS
22	C-7	TYPICAL SECTIONS AND DETAILS
23	C-8	TYPICAL DETAILS
24	C-9	NORTH TOE DRAIN SECTIONS
25	C-10	SOUTH TOE DRAIN SECTIONS (1 OF 3)
26	C-11	SOUTH TOE DRAIN SECTIONS (2 OF 3)
27	C-12	SOUTH TOE DRAIN SECTIONS (3 OF 3)
28	C-13	NORTH TOE DRAIN SITE RESTORATION PLAN
29	C-14	SOUTH TOE DRAIN SITE RESTORATION PLAN
30	C-15	SOUTH TOE DRAIN REGRADING PLAN (1 OF 3)
31	C-16	SOUTH TOE DRAIN REGRADING PLAN (2 OF 3)
32	C-17	SOUTH TOE DRAIN REGRADING PLAN (3 OF 3)

PREPARED FOR:



TOWN OF EAST HARTFORD
DEPARTMENT OF PUBLIC WORKS
ENGINEERING DIVISION

MAYOR
HONORABLE MARCIA A. LECLERC

PUBLIC WORKS DIRECTOR
KEITH CHAPMAN

ACTING TOWN ENGINEER
DOUGLAS WILSON, P.E.

PREPARED BY:



455 WINDING BROOK DRIVE
GLASTONBURY, CT 06033
860-368-5300, FAX 860-368-5307
WWW.GEICONSULTANTS.COM
PROJECT NUMBER: 124390

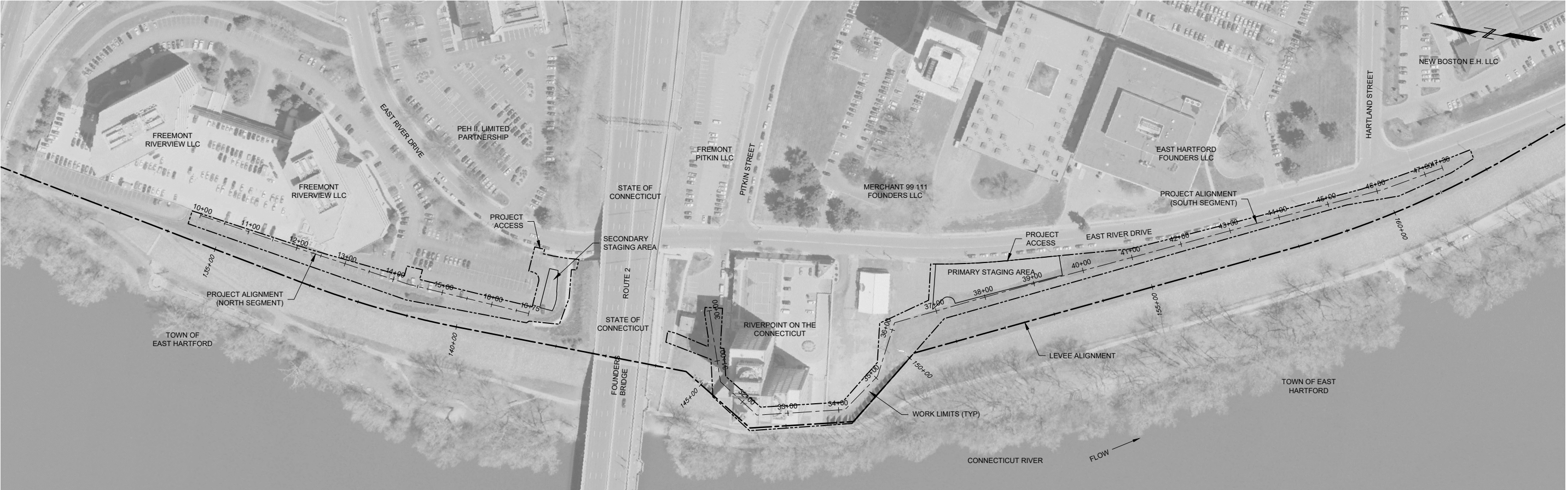
"The East Hartford Planning and Zoning Commission certifies that the *soil-erosion and sediment-control plan* complies with the requirements the Town of East Hartford regulations and the Connecticut Guidelines for Soil Erosion and Sedimentation Control dated 1985, as amended. The applicant under this plan is responsible for ensuring compliance with the plan. The Town of East Hartford shall not be held liable for improper installation, lack of maintenance, or other neglect on behalf of the applicant."

Approval Date: _____

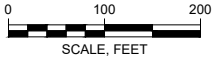
Chairman: _____

NOT FOR CONSTRUCTION

										DWG. NO.	
										G-1	
										SHEET NO.	
A	4-19-19		FOR APPROVAL		RS	CN	MTF	MTF		1 of 32	
NO.	DATE		ISSUE/REVISION		DES	DRN	CH	APP			



PLAN



GENERAL NOTES (C-1 THROUGH C-14)

1. THE INTENT OF THE CONSTRUCTION OF THE EAST HARTFORD LEVEE TOE DRAIN SYSTEM IS TO REMOVE OR ABANDON THE EXISTING TOE DRAIN PIPE AND GRAVEL FILTER AND REPLACE IT WITH NEW SLOTTED PVC PIPE AND FILTER WITHIN THE SAME TRENCH EXCAVATION.
2. ABANDON TOE DRAIN PIPELINES AS SHOWN ON DRAWINGS C-5 AND C-6 AND IN ACCORDANCE WITH PROJECT SPECIFICATIONS. TEST PIT EXCAVATIONS WILL BE REQUIRED TO LOCATE EXISTING TOE DRAIN PIPE.
3. PROVIDE ADEQUATE OFFSET DISTANCE BETWEEN EQUIPMENT STAGING, MATERIAL STOCKPILES AND OPEN EXCAVATIONS TO SAFELY PERFORM REQUIRED EXCAVATIONS AND COMPLETE WORK IN ACCORDANCE WITH OSHA REQUIREMENTS.
4. REMOVE PAVEMENT AND CURB SECTIONS AS NECESSARY TO COMPLETE WORK AND AS DIRECTED BY OWNER OR ENGINEER. SAWCUT ALL PAVEMENT AND CURB PRIOR TO REMOVAL. LIMITS OF PAVEMENT AND CURB REMOVAL TO BE AGREED UPON BY CONTRACTOR AND ENGINEER ON SITE PRIOR TO EXCAVATION. RECONSTRUCT PAVEMENT AND CURB SECTIONS TO MATCH ADJACENT PAVEMENT THICKNESS AND CURB TYPE TO THE OWNER'S SATISFACTION.
5. MINIMIZE TRAFFIC DISTURBANCE ON EAST RIVER DRIVE AND CROSS STREETS THROUGHOUT DURATION OF CONSTRUCTION. WHERE WORK IN OR NEAR ROADWAYS IS REQUIRED, PROVIDE SAFETY PRECAUTIONS IN ACCORDANCE WITH APPROVED TRAFFIC CONTROL PLAN.
6. PROTECT ALL UTILITY POLES AND OVERHEAD WIRES. COORDINATE WITH UTILITY OWNERS. PROVIDE TEMPORARY SUPPORT TO POLES ADJACENT TO EXCAVATIONS AS REQUIRED BY UTILITY COMPANY.
7. PRIMARY CONSTRUCTION STAGING AND STOCKPILE AREA IS BOUNDED BY EXISTING PROPERTY LINES TO THE NORTH AND EAST, THE EDGE OF ASPHALT TO THE SOUTH, AND A 10' OFFSET FROM THE APPROXIMATE LIMITS OF EXCAVATION TO THE WEST. PROVIDE ADDITIONAL OFFSET ALONG THE WEST BOUNDARY AS NECESSARY.
8. INSTALL TEMPORARY FENCING AROUND WORK SITE PERIMETER AT THE START OF CONSTRUCTION AND REMOVE DURING FINAL DEMOBILIZATION.
9. PROVIDE TEMPORARY MEASURES TO PREVENT PEOPLE FROM GETTING UNDER THE RIVERPOINT CONCRETE DECK DURING CONSTRUCTION.
10. PROVIDE ACCESS TO RIVERPOINT CONDOMINIUM FACILITIES (DUMPSTERS, ETC.) DURING CONSTRUCTION.
11. PERFORM ALL EXCAVATION SO THAT UNDERGROUND UTILITIES OR STRUCTURES ARE NOT DAMAGED. SUPPORT AND MAINTAIN EXISTING UTILITIES LINES DURING CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR DAMAGED INCURRED DURING EXCAVATION.
12. PROTECT EXISTING SITE FEATURES (SUCH AS FENCES, TREES, BUSHES, WALKWAYS, STEPS, SIGNS, SIDEWALKS, PAVEMENT, CURBS, LAW AREAS) DURING CONSTRUCTION. IF FEATURES ARE DISTURBED DURING CONSTRUCTION, CONTRACTOR SHALL REPLACEMENT AT NO ADDITIONAL COST TO THE OWNER.
13. REPLACE IN-KIND ALL PAVEMENT MARKINGS DISTURBED DURING CONSTRUCTION.
14. SEE SHEETS C-2, C-3 AND C-4 FOR POINTS AND MANHOLES LISTED HERE.

MANHOLE COORDINATES
(FROM C-2 THROUGH C-4)

MANHOLE	NORTHING	EASTING
EXISTING MH 8	840214.80	1023609.79
EXISTING MH 10	839627.12	1023635.65
MH 101	840637.09	1023644.91
MH 102	840431.26	1023613.70
MH 103	840217.37	1023583.76
MH 104	839976.57	1023568.73
MH 201	839581.15	1023501.75
MH 202	839499.09	1023449.68
MH 203	839330.02	1023490.66
MH 204	839278.50	1023565.94
MH 205	839263.66	1023675.81
MH 206	839045.26	1023781.20
MH 207	838825.18	1023883.60
MH 208	838553.89	1024011.54
MH 209	838358.96	1024102.27
MH 210	838253.87	1024163.13
MH 211	839680.54	1023574.74
MH 212	839593.47	1023549.71
MH 213	839619.13	1023636.07

North Toe Drain Limits of Site Work		
POINT	NORTHING	EASTING
1	840664.24	1023652.33
2	840420.95	1023617.65
3	840257.43	1023600.64
4	840230.42	1023598.95
5	840228.79	1023618.89
6	840197.53	1023616.93
7	840199.69	1023597.03
8	839972.07	1023582.81
9	839968.14	1023635.15
10	839983.28	1023650.29
11	839991.11	1023650.87
12	839987.49	1023699.73
13	839967.59	1023697.69
14	839968.18	1023689.51
15	839947.19	1023688.34
16	839920.76	1023688.68
17	839897.58	1023690.53
18	839898.80	1023669.33
19	839908.56	1023668.04
20	839903.34	1023612.65
21	839913.42	1023558.13
22	839973.23	1023553.84
23	839977.65	1023549.89
24	840218.95	1023552.89
25	840667.90	1023626.08

South Toe Drain Limits of Site Work		
POINT	NORTHING	EASTING
26	839602.23	1023644.92
27	839592.88	1023566.97
28	839585.87	1023567.66
29	839572.99	1023514.32
30	839494.48	1023466.36
31	839337.55	1023504.20
32	839283.48	1023592.69
33	839292.34	1023669.98
34	839205.27	1023730.94
35	839213.70	1023801.96
36	839067.82	1023834.12
37	838831.53	1023899.59
38	838750.76	1023935.65
39	838531.10	1024035.64
40	838402.16	1024094.90
41	838244.77	1024184.08
42	838205.88	1024207.94
43	838196.59	1024192.24
44	838234.30	1024157.38
45	838328.44	1024093.93

South Toe Drain Limits of Site Work		
POINT	NORTHING	EASTING
46	838426.16	1024058.90
47	839168.52	1023700.91
48	839311.84	1023466.05
49	839508.13	1023417.11
50	839590.75	1023470.06
51	839607.19	1023541.90
52	839700.63	1023559.99
53	839700.72	1023581.95
54	839684.25	1023580.71
55	839617.24	1023565.50
56	839620.01	1023583.28
57	839635.64	1023629.77
58	839636.44	1023640.88

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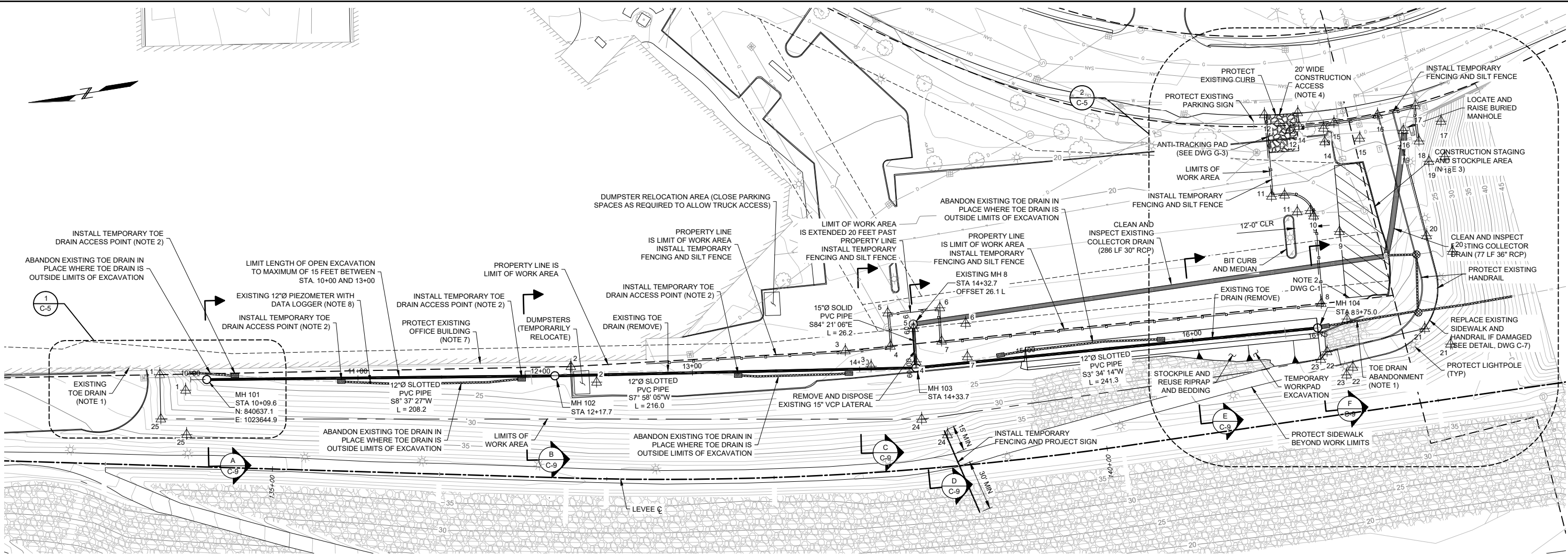
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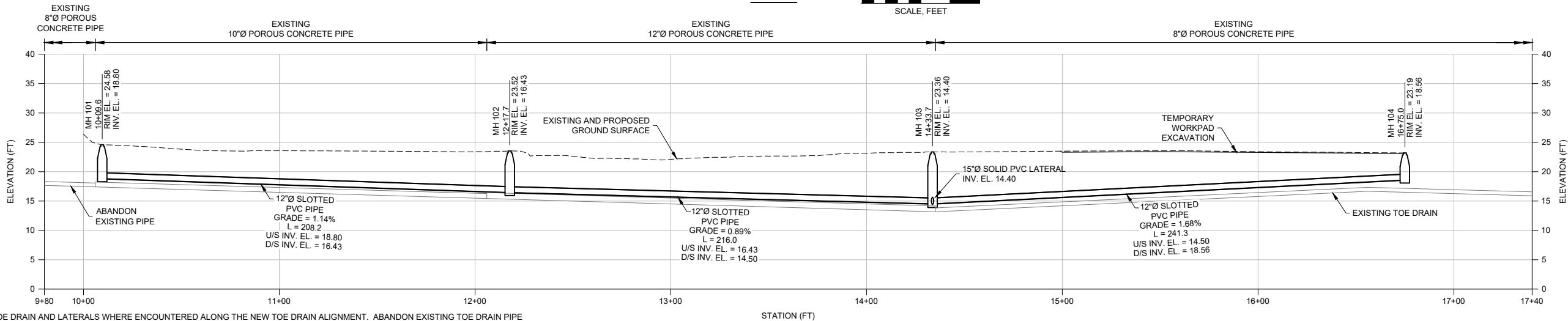
On the Connecticut and Hockanum Rivers
Town of East Hartford
Engineering Division
740 Main Street
East Hartford, CT 06108
GEI Project 124390

East Hartford Flood Control System
Toe Drain Repair Project, Phase 1
GENERAL PLAN
OF REPAIRS

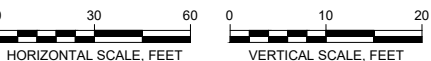
DWG. NO.
C-1
SHEET NO.
16 of 32



PLAN



PROFILE



- NOTES
1. REMOVE AND DISPOSE OF EXISTING TOE DRAIN AND LATERALS WHERE ENCOUNTERED ALONG THE NEW TOE DRAIN ALIGNMENT. ABANDON EXISTING TOE DRAIN PIPE SEGMENT NORTH OF MH 101 AND SOUTH OF MH 104 BY GROUTING IN PLACE (SEE DRAWING C-6).
 2. ABANDON PORTIONS OF EXISTING TOE DRAIN PIPES OUTSIDE OF THE PROPOSED LIMITS OF EXCAVATION BY GROUTING IN PLACE. WHERE PIPE LEAVES THE LIMITS OF EXCAVATION, PROVIDE TEMPORARY TOE DRAIN ACCESS POINT. CONTINUE TO INSTALL NEW TOE DRAIN UNTIL THE PIPE RETURNS TO THE LIMITS OF EXCAVATION. INSTALL SECOND TEMPORARY TOE DRAIN ACCESS POINT AND FILL WITH GROUT. PERFORM TEST PIT EXCAVATIONS AS NECESSARY OR AS DIRECTED BY THE ENGINEER TO LOCATE LIMITS OF PIPE OUTSIDE THE LIMITS OF WORK AREA TO AID IN ABANDONMENT.
 3. CONSTRUCTION STAGING AND STOCKPILE AREA IS BOUNDED BY A 25' OFFSET FROM THE PAVEMENT ISLAND TO THE NORTH AND THE EXISTING CURB FACE TO THE SOUTH, WEST AND EAST.
 4. INSTALL ANTI-TRACKING PAD AND CURB PROTECTION AT BEGINNING OF PROJECT. RESTORE AND REVEGETATE DISTURBED AREA IMMEDIATELY AFTER DEMOBILIZATION TO THE OWNER'S SATISFACTION.
 5. ADDITIONAL NOTES AND WORK LIMIT POINT DATA ARE PROVIDED ON DRAWING C-1.
 6. PIPE AND MANHOLE STRUCTURES SHOWN ARE TO BE CONSTRUCTED UNDER THIS CONTRACT UNLESS NOTED AS EXISTING.
 7. PROTECT EXISTING OFFICE BUILDING AND ALL ASSOCIATED STRUCTURES INCLUDING, BUT NOT LIMITED TO, FOOTINGS, PARKING STRUCTURES, AND DUMPSTERS.
 8. EXISTING PIEZOMETER IS GROUTED IN PLACE WITH DATALOGGER PROTECTED BY 12" FLUSHMOUNT ROADBOX. REMOVE DATALOGGER AND RETURN TO THE TOWN OF EAST HARTFORD. ABANDON PIEZOMETER IN PLACE.

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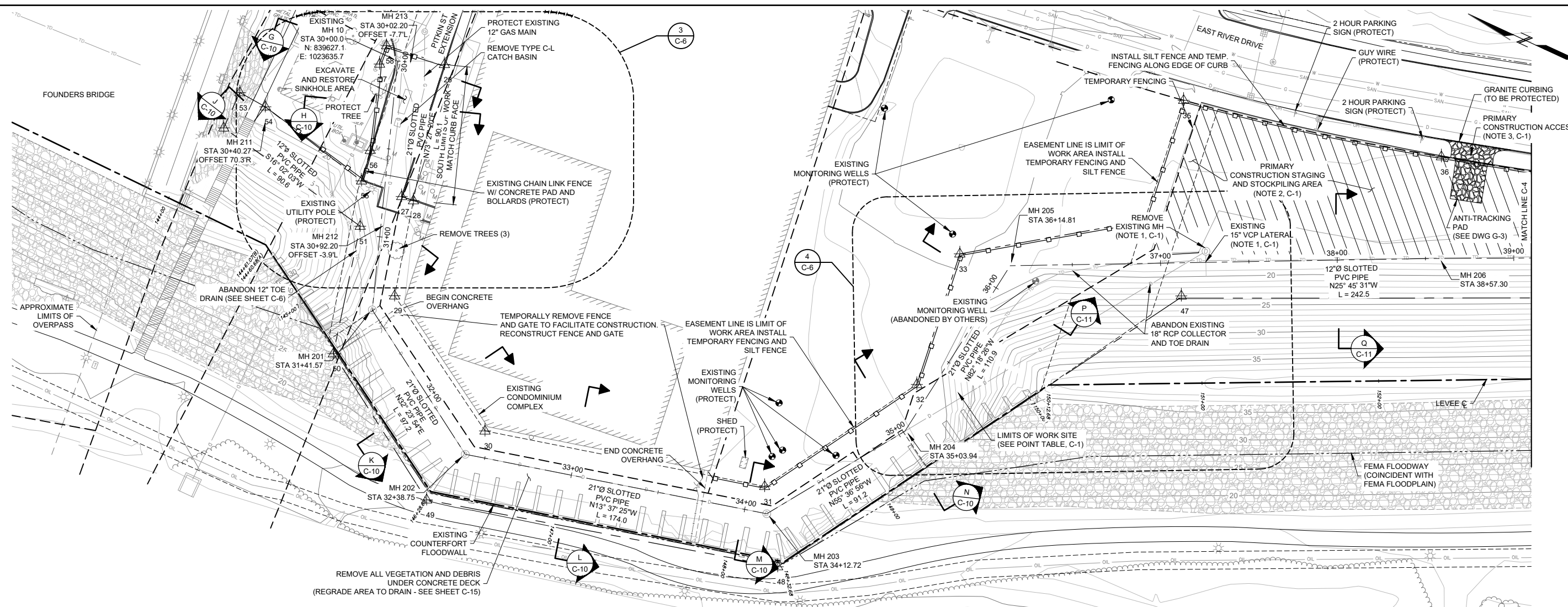
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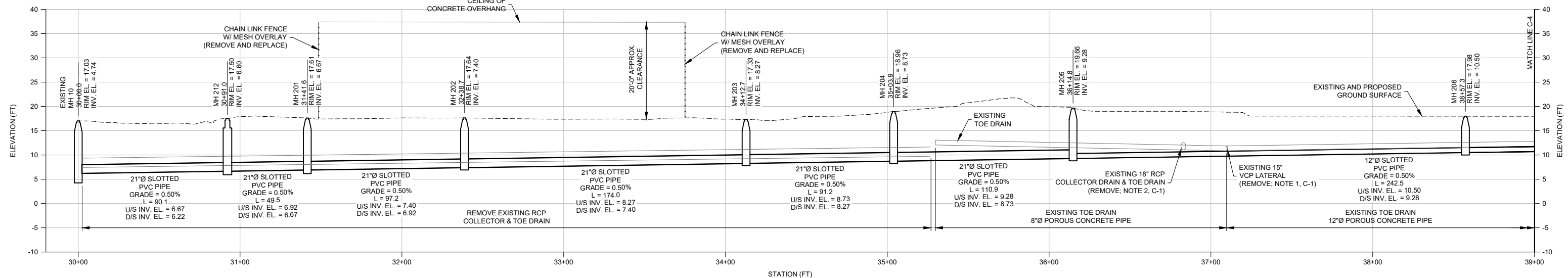
On the Connecticut and Hockanum Rivers
Town of East Hartford
Engineering Division
740 Main Street
East Hartford, CT 06108
GEI Project 124390

East Hartford Flood Control System
Toe Drain Repair Project, Phase 1
PLAN AND PROFILE
STA 10+00 TO STA 16+89
(SHEET 1 OF 3)

DWG. NO.
C-2
SHEET NO.
17 of 32



PLAN



PROFILE



- NOTES
- 1. NOTES ARE PROVIDED ON SHEETS C-1 AND C-2.
 - 2. PROTECT PVC RISERS AND PIPING HANGING OFF OF THE RIVERPOINT CONDOMINIUMS FOUNDATION WALL OR BOTTOM OF THE CONCRETE DECK.
 - 3. CONTRACTOR MUST MAINTAIN ACCESS FOR EMERGENCY SERVICES.

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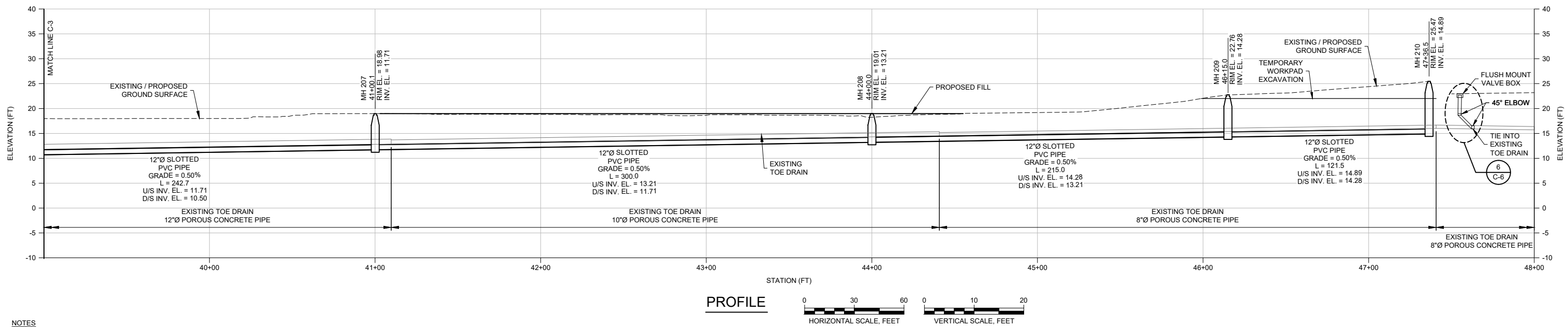
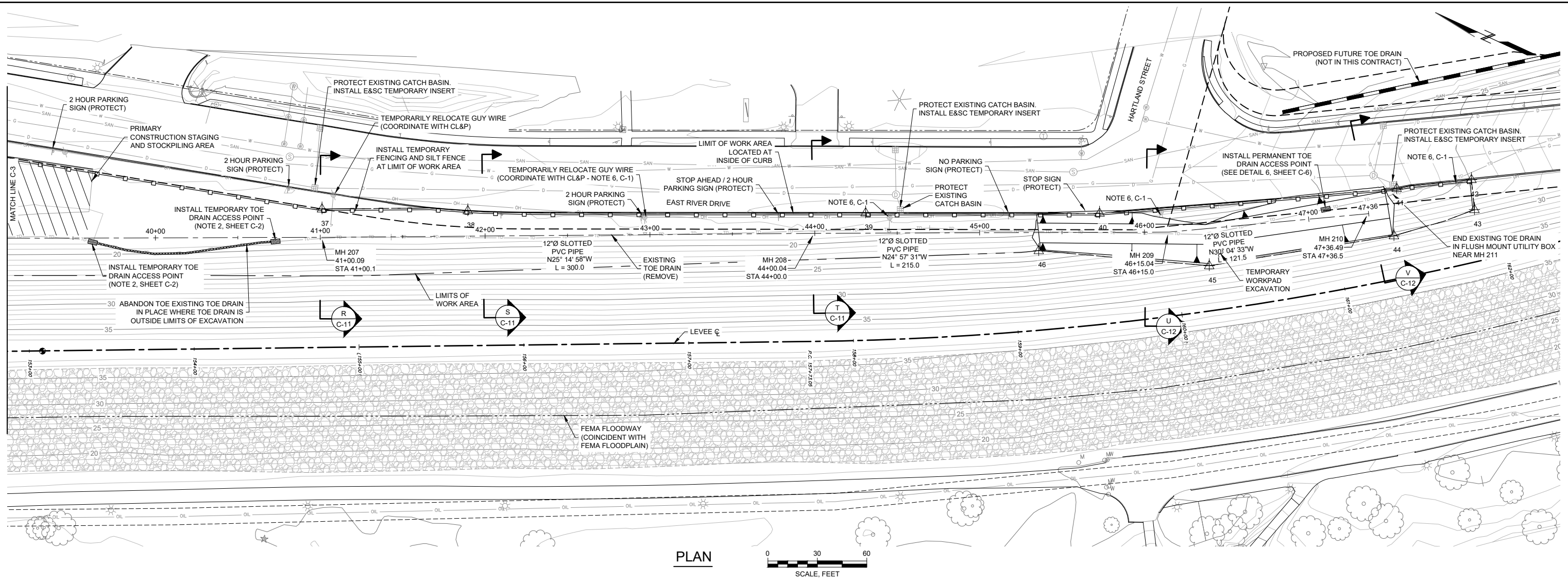
GEI Consultants
455 Winding Brook Drive
Glastonbury, Connecticut
860-368-5300

On the Connecticut and Hockanum Rivers
Town of East Hartford
Engineering Division
740 Main Street
East Hartford, CT 06108
GEI Project 124390

East Hartford Flood Control System
Toe Drain Repair Project, Phase 1

PLAN AND PROFILE
STA 30+00 TO STA 39+00
(SHEET 2 OF 3)

DWG. NO.
C-3
SHEET NO.
18 of 32



NOTES

1. NOTES ARE PROVIDED ON SHEETS C-1 AND C-2.

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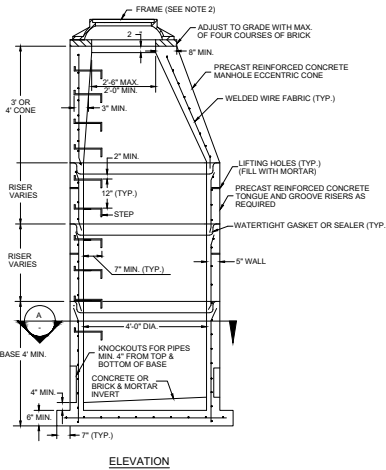
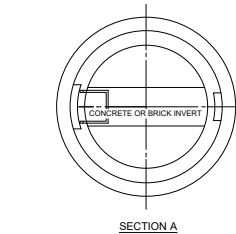
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East Hartford, CT 06108
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East Hartford Flood Control System
Toe Drain Repair Project, Phase 1
PLAN AND PROFILE
STA 30+00 TO STA 47+40
(SHEET 3 OF 3)

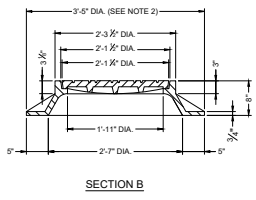
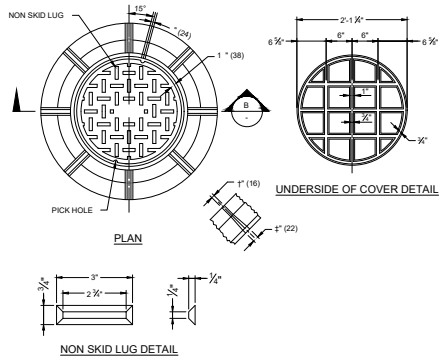
DWG. NO.
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SHEET NO.
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GENERAL NOTES:

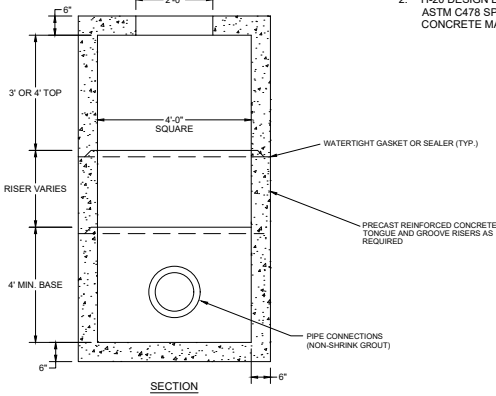
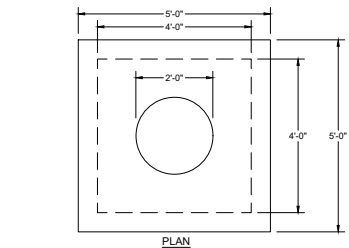
- CHANNELS MAY BE SHAPED IN CONCRETE BASE OF MANHOLE OR FORMED USING BRICK AND MASONRY.
- A FRAME DIAMETER OF 3'-3" WITH A 4" FLANGE MUST BE USED WHEN THE TOP DIAMETER OF THE PRECAST CONE IS LESS THAN 3'-6". ALL OTHER FRAME DIMENSIONS SHALL REMAIN THE SAME.
- COVER: CAST IRON STEEL
MIN. COVER WEIGHT 134 LB 134 LB
- ALL DIMENSIONS SUBJECT TO MANUFACTURING TOLERANCES.



DETAIL
ROUND TOE DRAIN MANHOLE
SCALE: NTS



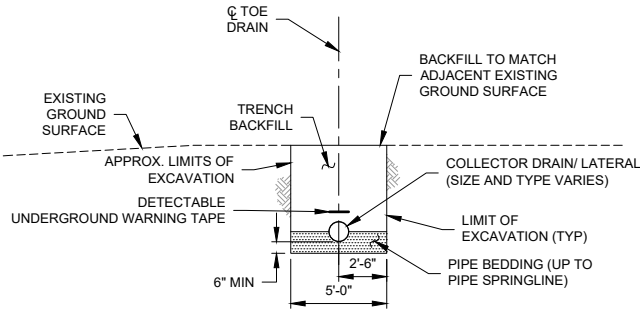
DETAIL
TOE DRAIN MANHOLE FRAME AND COVER
SCALE: NTS



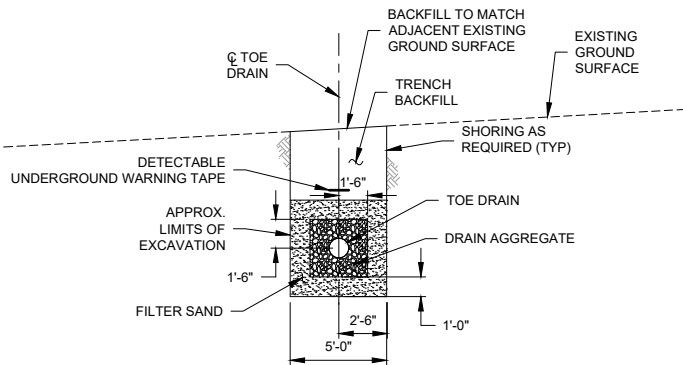
DETAIL
SQUARE TOE DRAIN MANHOLE
SCALE: NTS

GENERAL NOTES:

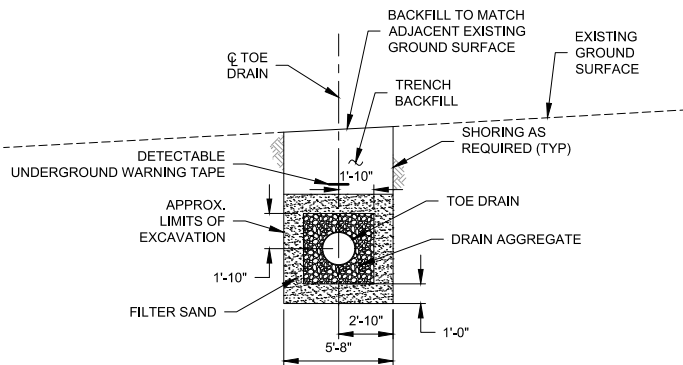
- CONCRETE: 4,000 PSI MINIMUM AFTER 28 DAYS.
- H-20 DESIGN LOADING PER AASHTO HS-20-33.
- ASTM C478 SPEC FOR "PRECAST REINFORCED CONCRETE MANHOLE SECTIONS."



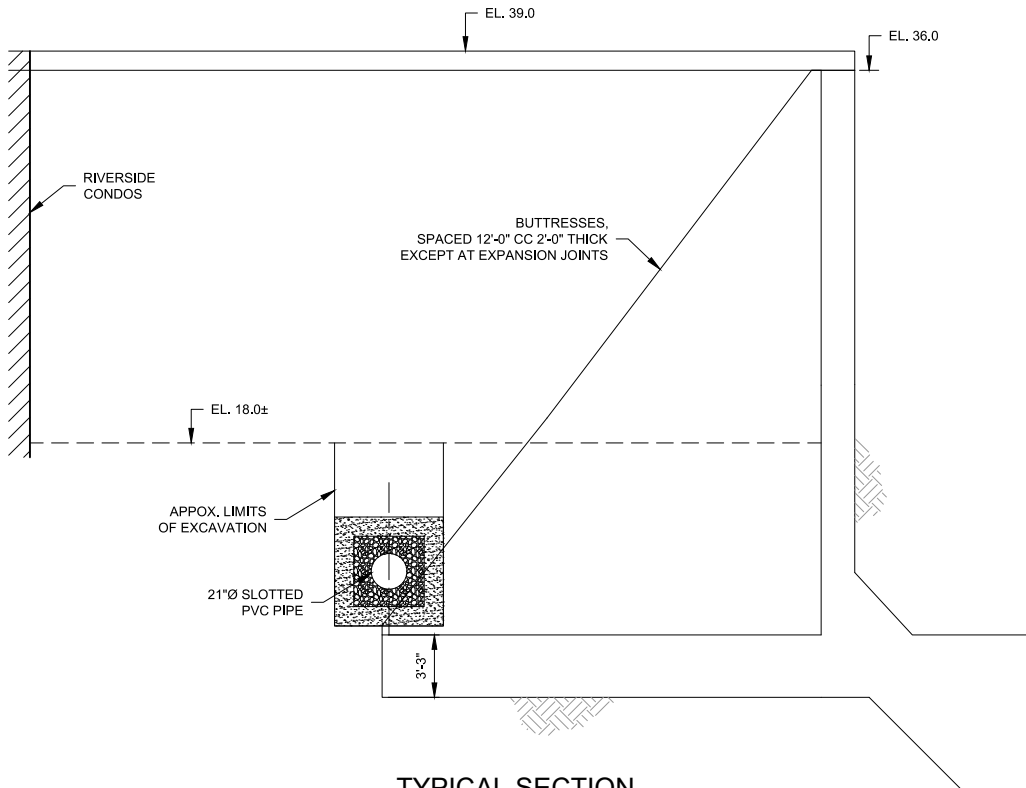
TYPICAL SECTION
COLLECTOR DRAIN/LATERAL
SCALE, FEET



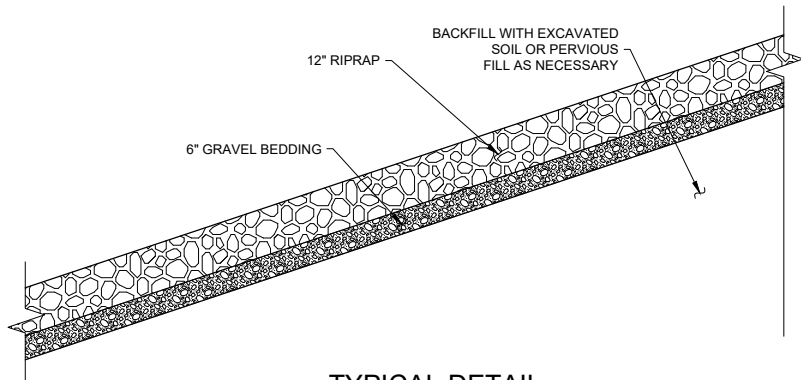
TYPICAL SECTION
12" Ø TOE DRAIN TRENCH
SCALE, FEET



TYPICAL SECTION
21" Ø TOE DRAIN TRENCH
SCALE, FEET



TYPICAL SECTION
EXISTING CONCRETE FLOOD WALL
(STA 31+41 TO STA 35+04)
SCALE, FEET



TYPICAL DETAIL
RIPRAP REPAIR - SLOPE RECONSTRUCTION
TOE DRAIN STA. 15+00± TO 16+75±
NOT TO SCALE

A	4-19-19	FOR APPROVAL	RS	CN	MTF	MTF
NO.	DATE	ISSUE/REVISION	DES	DRN	CH	APP

NOT FOR
CONSTRUCTION



On the Connecticut and Hockanum Rivers
Town of East Hartford
Engineering Division
740 Main Street
East Hartford, CT 06108
GEI Project 124390

East Hartford Flood Control System
Toe Drain Repair Project, Phase 1
TYPICAL SECTIONS
AND DETAILS

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C-7
SHEET NO.
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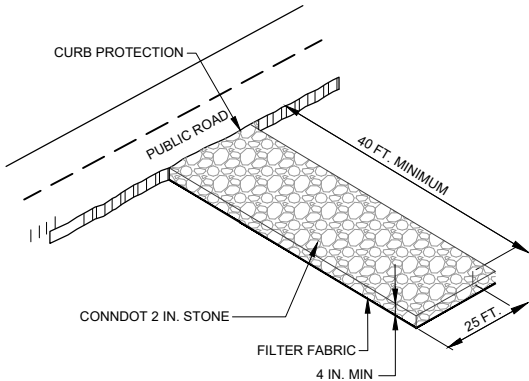
EROSION AND SEDIMENT CONTROL NOTES:

GENERAL

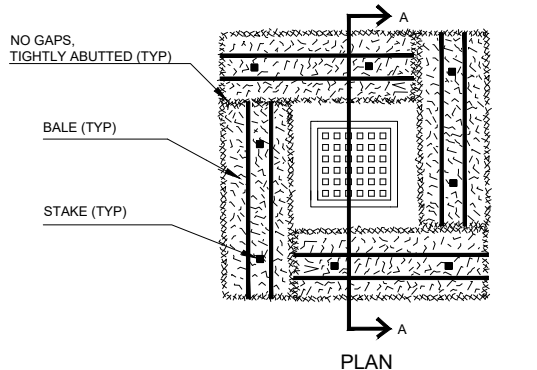
- CONTRACTOR IS SOLELY RESPONSIBLE FOR FULL COMPLIANCE WITH THE DEEP GENERAL PERMIT FOR THE DISCHARGE OF STORM WATER AND DEWATERING WASTE WATERS ASSOCIATED WITH CONSTRUCTION ACTIVITIES, AND FOR OVERSEEING THE INSTALLATION AND MAINTENANCE OF ALL SEDIMENTATION AND EROSION CONTROL MEASURES.
- SEDIMENTATION AND EROSION CONTROL MEASURES ARE PROPOSED TO ADEQUATELY CONTROL THE ACCELERATED EROSION AND SEDIMENTATION AND REDUCE DANGER FROM STORM WATER RUNOFF WITHIN THE SITE AND BEYOND THE SITE LIMITS. CONTROL RUNOFF BY THE INTERCEPTION, DIVERSION, AND SAFE DISPOSAL OF PRECIPITATION AND BY STAGING CONSTRUCTION ACTIVITY AND PRESERVING NATURAL VEGETATION WHENEVER POSSIBLE.
- PROTECT EXISTING VEGETATION AND PERFORM ONLY THAT CLEARING AND GRUBBING ABSOLUTELY NECESSARY FOR THE WORK. RESTORE ALL DISTURBED AREAS TO THEIR ORIGINAL CONDITION AND CONTOUR, UNLESS OTHERWISE INDICATED ON THE PLANS.
- REFERENCE IS MADE TO THE "CONNECTICUT GUIDELINES FOR SOIL AND EROSION AND SEDIMENT CONTROL" (2002), AS AMENDED. THE GUIDELINES CAN BE OBTAINED FROM THE CONNECTICUT COUNCIL OF SOIL AND WATER CONSERVATION, STATE OFFICE BUILDING, HARTFORD, CONNECTICUT 06106, AND SHALL BE USED AS A REFERENCE IN CONSTRUCTING THE EROSION AND SEDIMENT CONTROLS INDICATED ON THESE PLANS.
- MONITOR TEMPORARY CONSTRUCTION ACCESS TRACKING PAD THROUGHOUT CONSTRUCTION DURATION. REMOVE AND REPLACE SUBBASE MATERIAL IF EXCESSIVE RUTTING OR TRACKING OF SOIL OCCURS OR IF OTHER DEBRIS GETS INTO THE ROADWAY, OR AS DIRECTED BY THE ENGINEER OR OWNER.

EROSION AND SEDIMENTATION CONTROL PLAN (ESCP)

- THE ESCP SHALL CONSIST OF THE FOLLOWING PROVISIONS:
 - INSTALL FILTER FABRIC BARRIER FENCE WITHIN 5 FEET DOWNSLOPE OF ALL SITE DISTURBANCES AND TEMPORARY STOCKPILES PRIOR TO DISTURBING NATIVE GROUND OR VEGETATION. DEPOSITS OF SEDIMENT ARE TO BE PERIODICALLY REMOVED FROM THE UPSTREAM SIDE OF THE FENCE. THE REMOVED MATERIAL MAY BE USED AS BACKFILL IF THE MATERIAL MEETS SPECIFIED BACKFILL GRADATION CRITERIA. MATERIAL NOT MEETING SPECIFIED CRITERIA FOR REINCORPORATION INTO WORK SHALL BE REMOVED FROM THE PROJECT SITE AND SHALL BECOME THE PROPERTY OF THE CONTRACTOR UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
 - STACKED HAY OR STRAW BALES USED FOR EROSION CONTROL SHALL BE PLACED AS INDICATED OR AS OTHERWISE DIRECTED BY THE OWNER AND ENGINEER. REPLACE BALES AS NECESSARY TO PROVIDE PROPER FILTERING ACTION. TRENCH, ANCHOR, OR OTHERWISE SECURE BALES TO PREVENT DISPLACEMENT. PERIODICALLY REMOVE DEPOSITS OF SEDIMENT AND SILT FROM THE UPSTREAM SIDE. BALES SHALL ONLY BE USED AS A TEMPORARY BARRIER FOR A MAXIMUM OF 60 DAYS. WHEN GROUND CONDITIONS PREVENT THE PROPER TRENCHING OR ANCHORING OF HAY BALES, A SEDIMENT BARRIER CONSISTING OF A STONE CHECK DAM WITH HAY BALE CORE MAY BE SUBSTITUTED FOR THE HAY BALES. STACKED HAY OR STRAW BALES MAY NOT BE USED IN LIEU OF FILTER FABRIC BARRIER FENCE AS DESCRIBED IN ARTICLE 1.1 ABOVE.
 - PROTECT ALL MANHOLES AND CATCH BASINS FROM SEDIMENT TRANSPORT BY INSTALLING AND MAINTAINING AN APPROVED EROSION AND SEDIMENT CONTROL DEVICE AROUND THE FULL PERIMETER OF THE STRUCTURE. IF WORK ON THE STRUCTURE IS REQUIRED, TAKE PRECAUTIONS TO PREVENT SEDIMENT TRANSPORT INTO THE STRUCTURE.
 - A STONE STABILIZED VEHICLE ANTI-TRACKING PAD SHALL BE LOCATED AT ALL POINTS OF VEHICULAR INGRESS AND EGRESS FROM THE CONSTRUCTION SITE TO REDUCE TRACKING OR FLOWING OF SEDIMENT INTO PUBLIC RIGHTS-OF-WAY. THE AREA OF THE ENTRANCE SHOULD BE CLEARED OF ALL VEGETATION, ROOTS AND OTHER OBJECTIONABLE MATERIAL. FILTER FABRIC SHALL BE PLACED ON SUBGRADE PRIOR TO PLACEMENT OF STONE. STONE SHALL BE PLACED TO THE DIMENSIONS SHOWN. PERIODIC TOP DRESSING WITH ADDITIONAL STONE OR ADDITIONAL LENGTH, AS CONDITIONS DEMAND, MAY BE REQUIRED TO ENSURE THAT THE ENTRANCE FUNCTIONS AS INTENDED. PUBLIC ROADWAYS SHALL BE CLEANED OF DIRT AND DEBRIS AS NECESSARY, OR AS DIRECTED BY THE ENGINEER. PROVIDE CURB PROTECTION WHERE CURBS EXIST AT CONSTRUCTION SITE ACCESS POINTS. REPAIR OR REPLACE CURBS DAMAGED AS A RESULT OF CONSTRUCTION ACTIVITIES TO THE OWNERS SATISFACTION.
 - PLACE EROSION CONTROL MATS OR OTHERWISE STABILIZE DISTURBED SLOPES AND STOCKPILES STEEPER THAN 4H:1V THAT WILL REMAIN UNDISTURBED FOR 30 DAYS OR LONGER. EROSION CONTROL MATS ARE MANUFACTURED MATERIALS AND SHALL BE INSTALLED PER THE MANUFACTURES INSTRUCTIONS.
 - SURFACE WATER THAT IS TEMPORARILY DIVERTED BY PUMPING OR OTHER MEANS SHALL BE FILTERED BOTH AT THE INLET AND OUTLET. PROTECT TEMPORARY CHANNELS BY FILTER FABRIC FENCES TO PREVENT SEDIMENT FROM ENTERING THE TEMPORARY CHANNELS.
 - INSPECT ALL SEDIMENTATION AND EROSION CONTROL DEVICES DURING THE WORK ON A WEEKLY BASIS AND FOLLOWING ALL PRECIPITATION EXCEEDING 0.1 FEET IN 24 HOURS. MAINTAIN, MAKE REPAIRS AND REMOVE SEDIMENT IF ACCUMULATED TO A DEPTH OF ¼ THE HEIGHT OF THE EROSION CONTROL DEVICE AND AS OTHERWISE REQUIRED BY THE OWNER OR ENGINEER. COMPLETE REQUIRED MAINTENANCE WITHIN 24 HOURS OF THE INSPECTION OR REQUEST.
 - REVEGETATE ALL DISTURBED AREAS IMMEDIATELY PRIOR TO DEMOBILIZATION BY HYDROSEEDING WITH A NATIVE GRASS MIX AND INSTALLING APPROVED EROSION CONTROL MATS. DO NOT DISTURB SITE AFTER PLACING FINAL STABILIZATION PROVISIONS EXCEPT AS FOLLOWS.
 - CONTRACTOR IS RESPONSIBLE FOR MAINTENANCE AND CARE OF REVEGETATED AREAS, INCLUDING WATERING, MOWING, AND RESEEDING TO THE OWNERS SATISFACTION, FOR A PERIOD OF 1 CALENDAR YEAR AFTER RECEIPT OF FINAL COMPLETION UNLESS A SHORTER MAINTENANCE AND CARE PERIOD IS DIRECTED BY OWNER IN WRITING. IF THE OWNER IS NOT SATISFIED WITH THE CONDITION OF THE REVEGETATED AREAS AFTER THE 1 YEAR PERIOD, CONTRACTOR SHALL CONTINUE MAINTENANCE AND CARE UNTIL THE OWNER IS FULLY SATISFIED.
- THE ESCP SHALL REMAIN IN PLACE AND BE MAINTAINED TO ENSURE EFFICIENT EROSION AND SEDIMENTATION CONTROL UNTIL ALL DISTURBED AREAS ARE STABILIZED AND VEGETATION HAS BEEN ESTABLISHED TO THE OWNERS SATISFACTION. REMOVAL OF FILTER FABRIC FENCE AND OTHER ESCP DEVICES DOES NOT RELIEVE CONTRACTOR OF 1 YEAR MAINTENANCE AND CARE RESPONSIBILITIES.
- IN ALL AREAS, REMOVAL OF TREES, BUSHES AND OTHER VEGETATION, AND DISTURBANCE OF THE SOIL, SHALL BE KEPT TO AN ABSOLUTE MINIMUM WHILE ALLOWING PROPER DEVELOPMENT OF THE SITE.



ANTI-TRACKING PAD
NOT TO SCALE



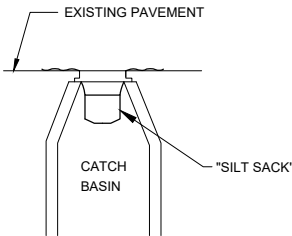
SECTION A - A

HAY BALE SEDIMENT
CONTROL AT CATCH
BASINS
NOT TO SCALE

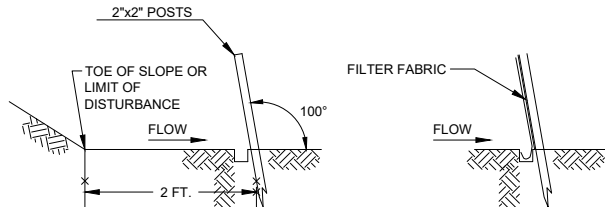
NOTES:

- CATCH BASIN INSERT SHALL BE "SILTSACK", BY ACF ENVIRONMENTAL OR APPROVED EQUIVALENT.
- CATCH BASIN INSERTS ARE TO BE PLACED IN ALL CATCH BASINS IN CONSTRUCTION WORK AREAS AND IN AREAS SUSCEPTIBLE TO RUNOFF. CATCH BASINS ARE TO BE PROTECTED AS SHOWN, WITH MINIMUM WEEKLY MAINTENANCE, OR AS REQUIRED AND REPLACED IF NECESSARY.
- CATCH BASIN INSERTS ARE TO BE REMOVED UPON COMPLETION OF WORK.

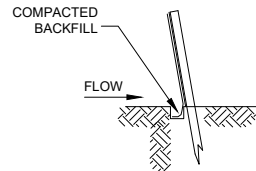
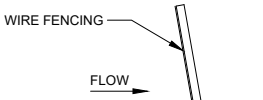
NOTES:



CATCH BASIN
INSERT DETAIL
NOT TO SCALE

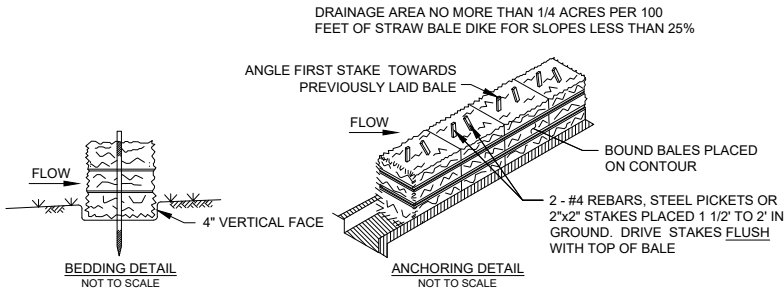


- SET POSTS AND EXCAVATE A 6"x6" TRENCH. SET POSTS DOWN SLOPE. ANGLE 10° UPSLOPE FOR STABILITY AND SELF CLEANING
- ATTACH THE WIRE MESH FENCING TO POST.



- ATTACH FILTER FABRIC TO THE WIRE FENCING AND EXTEND IT TO THE TRENCH.
- BACKFILL THE TRENCH AND COMPACT THE EXCAVATED SOIL.

FILTER FABRIC BARRIER FENCE
NOT TO SCALE



HAY BALE DIKE DETAIL

HAY BALE DIKE NOTES:

- PLACE BALES AT THE TOE OF A SLOPE OR ON THE CONTOUR AND IN A ROW WITH THE ENDS TIGHTLY ABUTTING THE ADJACENT BALES.
- EMBED EACH BALE IN THE SOIL A MINIMUM OF 4-INCHES, AND PLACED SO THE BINDINGS ARE HORIZONTAL.
- SECURELY ANCHOR BALES IN-PLACE BY EITHER TWO STAKES OR RE-BARS DRIVEN THROUGH THE BALE. DRIVE THE FIRST STAKE IN EACH BALE TOWARD THE PREVIOUSLY LAID BALE AT AN ANGLE TO FORCE THE BALES TOGETHER. DRIVE STAKES FLUSH WITH THE BALE.
- FREQUENTLY INSPECT EROSION CONTROLS. REPAIR/REPLACE DEFICIENT EROSIONS CONTROLS PROMPTLY, AS NEEDED.
- REMOVE BALES WHEN THEY HAVE SERVED THEIR USEFULNESS SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE. REPLACE REMOVED BALES.

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On the Connecticut and Hockanum Rivers
Town of East Hartford
Engineering Division
740 Main Street
East Hartford, CT 06108
GEI Project 124390

East Hartford Flood Control System
Toe Drain Repair Project, Phase 1
EROSION AND SEDIMENT
CONTROL
NOTES AND DETAILS

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