

Wastewater Treatment Facility - Biological Nutrient Removal and Infrastructure Phase 2 of 2 - Sub Bid

<u>Category:</u>	Water and Sewage Treatment Plants	<u>Project ID #:</u>	1004305533
<u>Street Address:</u>	80 River Rd. Uxbridge MA 01569	<u>Confirmed Value</u>	\$36,700,000.00
<u>County:</u>	Worcester	<u>Stage:</u>	Biddate Set
<u>Bid Date:</u>	4/13/2017 , 10:00AM		
<u>Architect:</u>			
<u>Documents Available:</u>	Plans, Specs available in Insight		Plans available from GHD Inc. (GHD Engineers)
<u>Last Update:</u>	3/22/2017		Plans,Specs were Added/Updated

Notes

- Scope Renovation of a water / sewer project in Uxbridge, Massachusetts. Completed plans call for the renovation of a water / sewer project. Estimated Cost: \$36,700,000 Name: Laura Muir Phone: 774-470-1630 Fax: 447-470-1631 Email Address: laura.muir@ghd.com WWTF BNR & Infrastructure Phase 2 of 2; only contractors prequalified under Phase 1 may submit bids for this project. Sub Bid Category; Acoustical Tile, Electrical & Instrumentation, HVAC, Masonry, Metal Windows, Misc. & Orn. Iron, Painting, Plumbing, Resilient Floors, Roofing & Flashing, Tile, Waterproofing-Dampproofing-Caulking **General Bid Deadline: 4/27/17 Time: 10:00 A.M.** Contractor QualificationDCAM Certificate
- Notes Filed Sub-Bid: 04/13/2017 10:00AM Bids will be received at Uxbridge, Town of 21 South Main Street Uxbridge, MA Pre-Bid Meeting: 03/30/2017 10:00AM Uxbridge WWTF, River Road, Uxbridge . Bid Date: 04/13/2017 10:00AM Bids will be received at Uxbridge, Town of 21 South Main Street Uxbridge, MA Development include(s): Renovation
- Details [Division 2]: Hazardous Material Abatement, Clearing, Dewatering, Grading, Slope Protection & Erosion Control, Tunneling, Paving & Surfacing, Water Systems, Wells, Sewerage & Drainage, Fences & Gates, Landscaping. [Division 3]: Concrete Formwork, Concrete Reinforcement, Structural Concrete, Architectural Concrete, Post-Tensioned Concrete, Structural Precast Concrete, Cementitious Decks. [Division 4]: Clay Unit Masonry, Concrete Unit Masonry, Marble, Granite. [Division 5]: Structural Steel, Metal Decking, Metal Fabrications, Metal Stairs. [Division 6]: Rough Carpentry, Wood Trusses, Finish Carpentry, Architectural Woodwork, Plastic Fabrications. [Division 7]: Waterproofing, Insulation, Exterior Insulation & Finish Systems, Firestopping, Manufactured Roofing & Siding, Membrane Roofing. [Division 8]: Metal Doors, Coiling Doors and Grilles, Sectional Overhead Doors, Entrances & Storefronts, Metal Windows, Hardware, Glass & Glazing, Curtain Walls. [Division 9]: Ceiling Suspension Systems, Lath & Plaster, Drywall/Gypsum, Tile, Terrazzo, Acoustical Ceilings, Resilient Flooring, Painting. [Division 10]: Visual Display Boards, Compartments & Cubicles, Louvers & Vents, Interior Signs, Lockers, Protective Covers, Partitions, Operable Partitions, Toilet & Bath Accessories. [Division 11]: Water Supply/Treatment Equipment, Fluid Waste Treatment/Disposal Equipment, Laboratory Equipment. [Division 12]: Manufactured Casework, Window Treatment, Furniture. [Division 13]: Pre-Engineered Structures, Ground Storage Tanks. [Division 14]: Elevators, Moving Stairs & Walks, Material Handling Systems, Hoists & Cranes. [Division 15]: Mechanical Insulation, Fire Protection Systems, Plumbing Piping, Plumbing Fixtures, Water Heaters, Hydronic Piping, Steam & Steam Condensate Piping, HVAC Pumps, Boilers, Air Handling, Ductwork. [Division 16]: Service/Distribution, Emergency Lighting, Standby Power Generator Systems, Alarm & Detection Systems, Voice & Data Systems.

Additional Details

<u>Listed On:</u>	3/10/2017	<u>Floor Area:</u>	
<u>Contract Type:</u>		<u>Work Type:</u>	Alteration
<u>Stage Comments 1:</u>		<u>Floors Below Grade:</u>	
<u>Stage Comments 2:</u>		<u>Owner Type:</u>	City
<u>Bid Date:</u>	4/13/2017	<u>Mandatory Pre Bid Conference:</u>	
<u>Invitation #:</u>	2016-05	<u>Commence Date:</u>	6/13/2017
<u>Structures:</u>	1	<u>Completion Date:</u>	
<u>Single Trade Project:</u>		<u>Site Area:</u>	
<u>Floors:</u>		<u>LEED Certification Intent:</u>	
<u>Parent Project ID:</u>	1004305531	<u>Units:</u>	
<u>Parking Spaces:</u>			

Project Participants

Company Role	Company Name	Contact Name	Address	Phone	Email	Fax
Owner	Town of Uxbridge		21 S Main St .	(508) 278-		(508) 278-

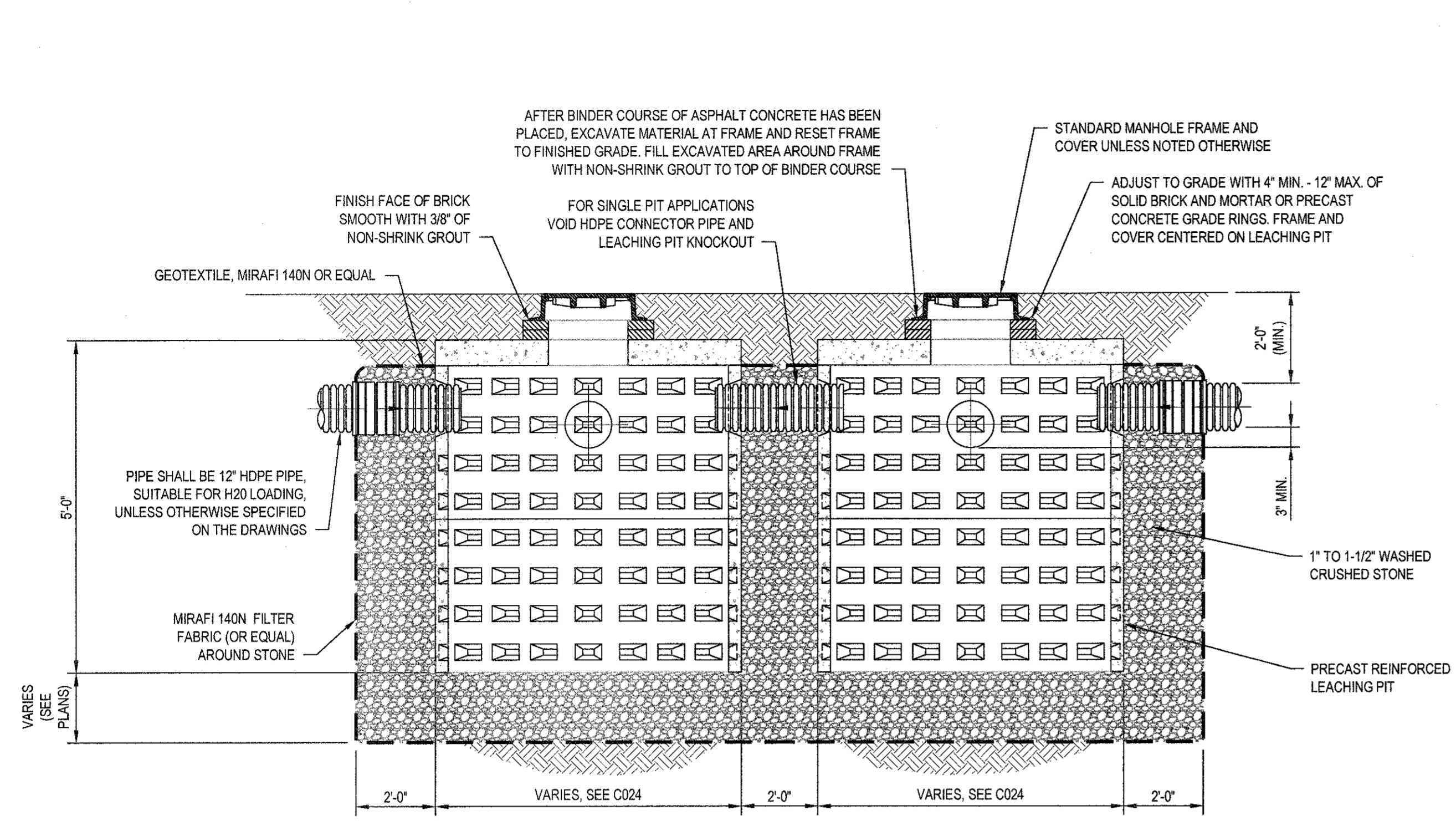
Civil Engineer	GHD Inc. (GHD Engineers)	Laura Muir	Uxbridge, MA 01569 8600 1545 Lyannough Road, Hyannis, MA 02601	(774) 470-1630	laura.muir@ghd.com	3154 (774) 470-1631
----------------	--------------------------	------------	---	----------------	--------------------	------------------------

Contracts

Classification	Conditions	Bonding	Bid Date	Bids To	Bid Type
General Contractor			4/13/2017	Owner	Open Bidding

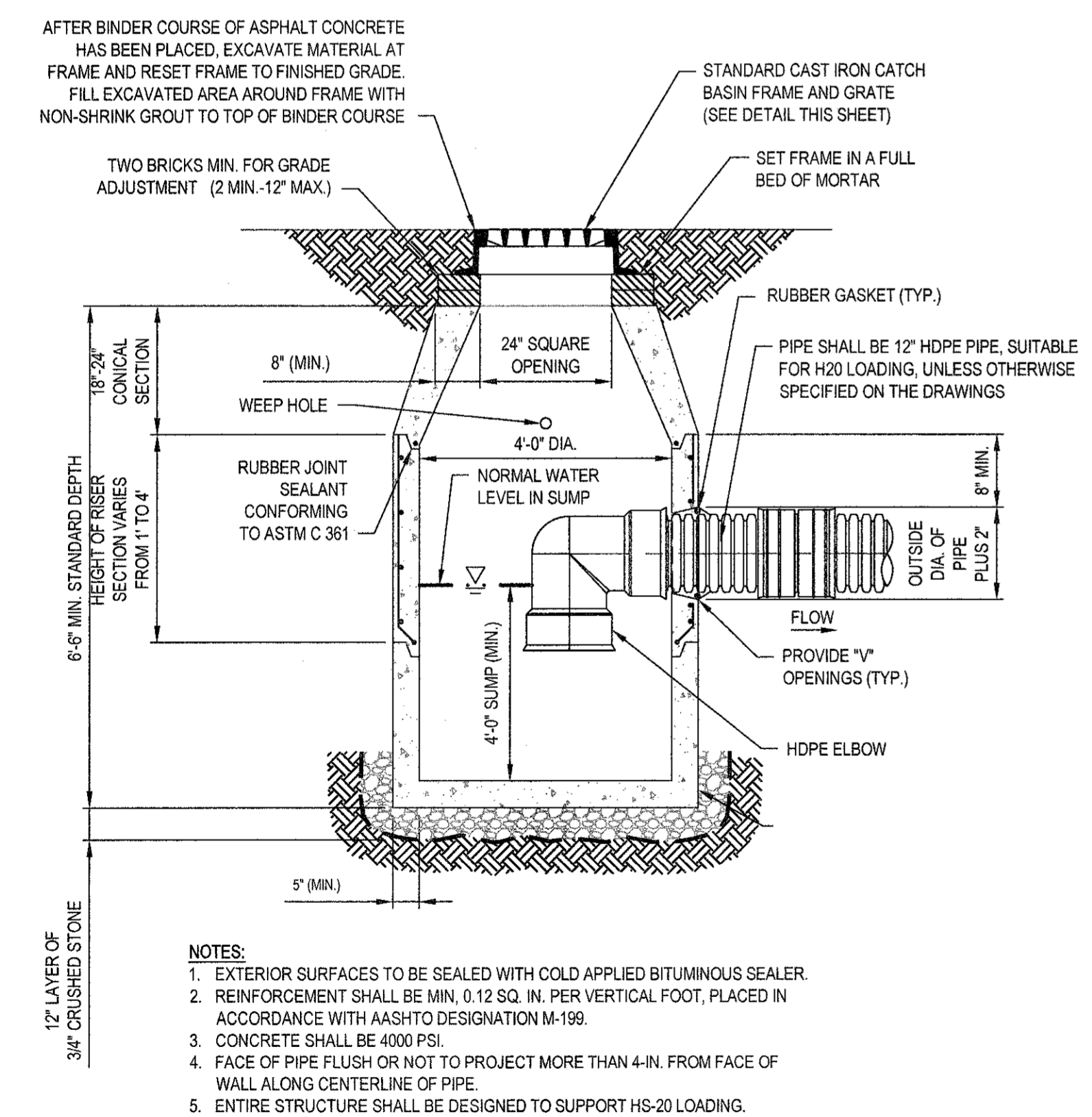
History

User	Viewed	First Viewed Date	Currently Tracked?	Date Tracked
Adam Sweet	True	3/22/2017	False	

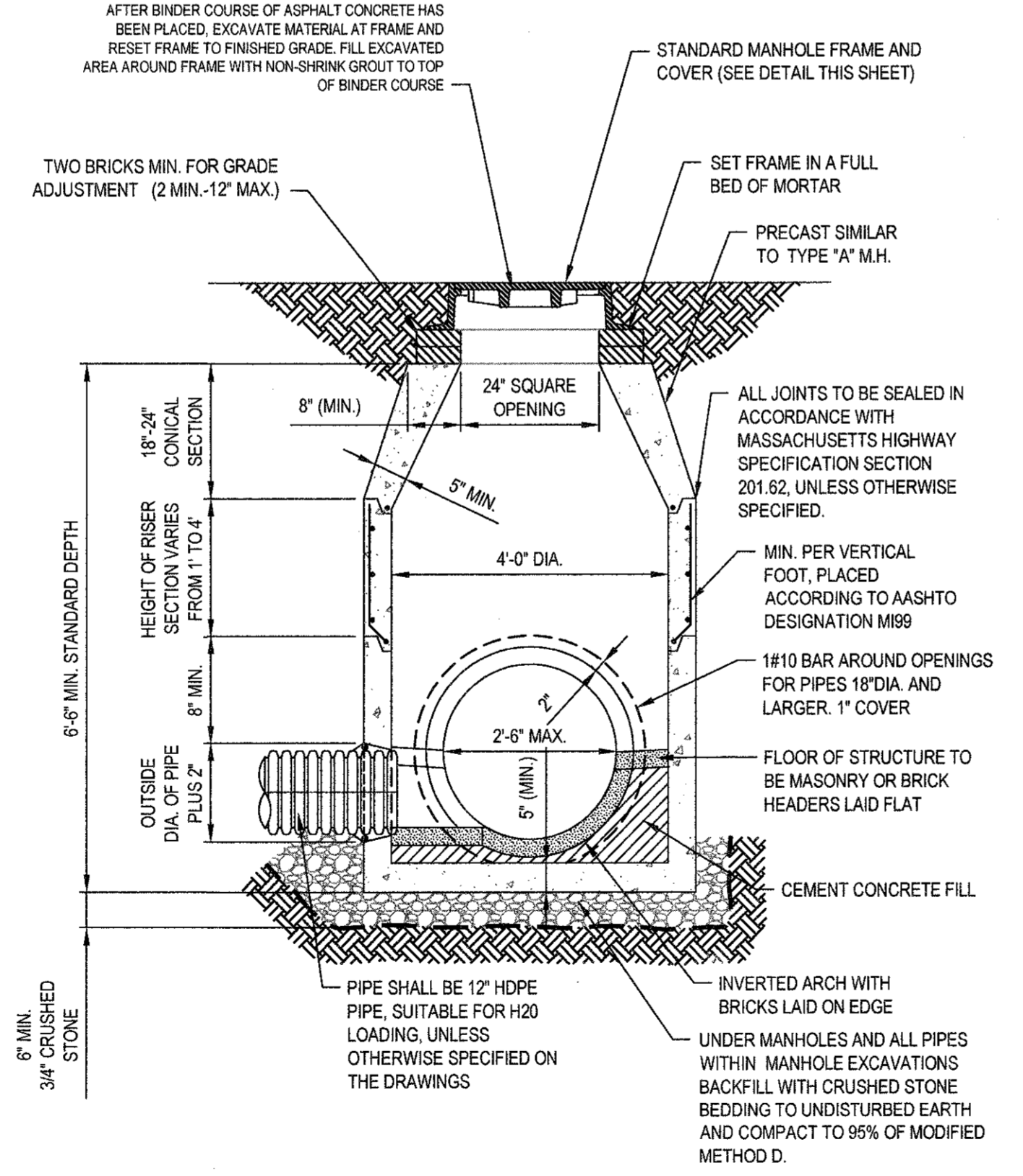


1 STANDARD SINGLE OR MULTIPLE PRECAST CONCRETE LEACHING PIT
NOT TO SCALE

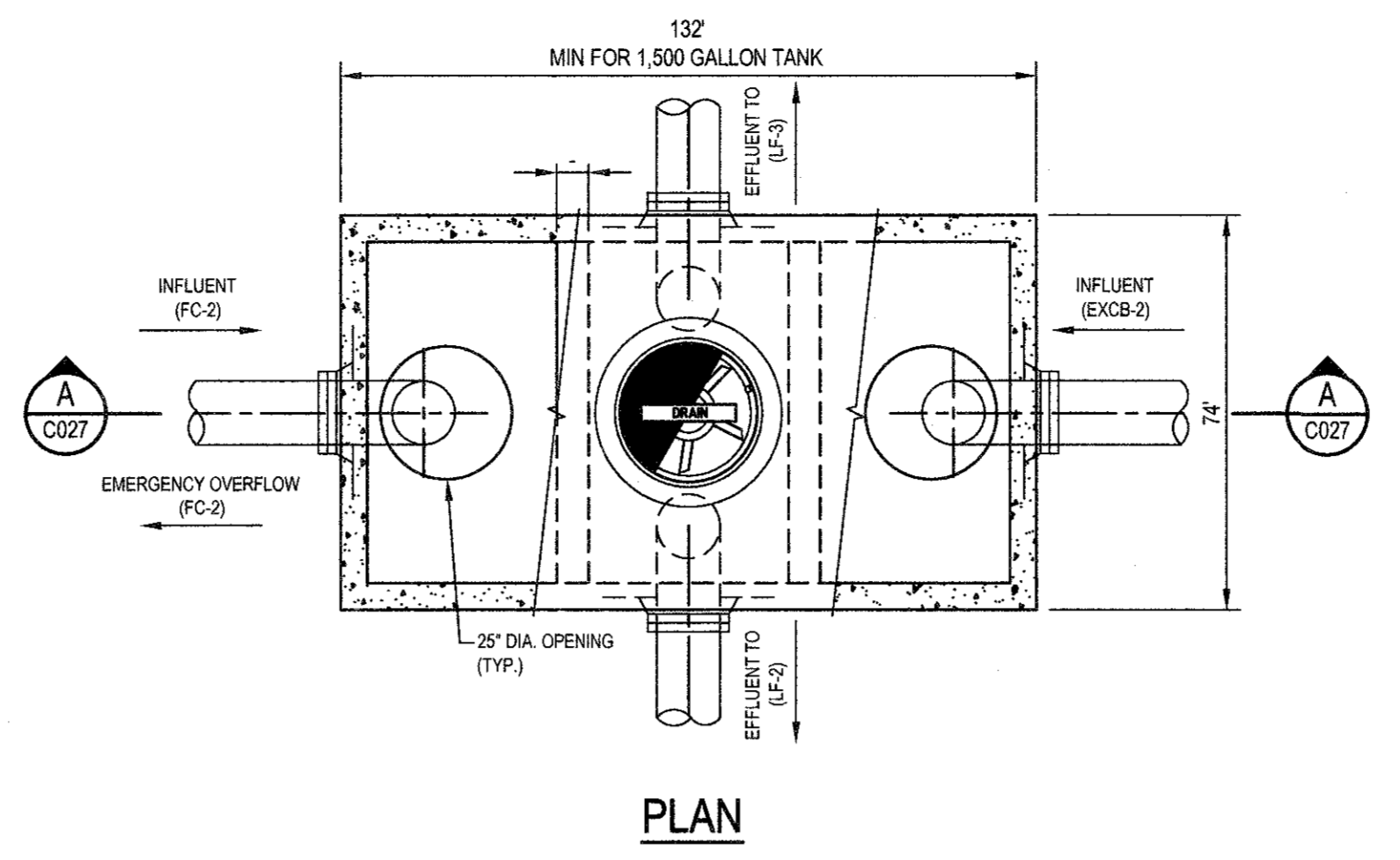
- PRECAST CONCRETE NOTES:**
1. CONCRETE MINIMUM STRENGTH SHALL BE 4,000 PSI @ 28 DAYS.
 2. STEEL REINFORCEMENT: AS-615, GRADE 60.
 3. DESIGN LOADING: AASHO-HS-20.



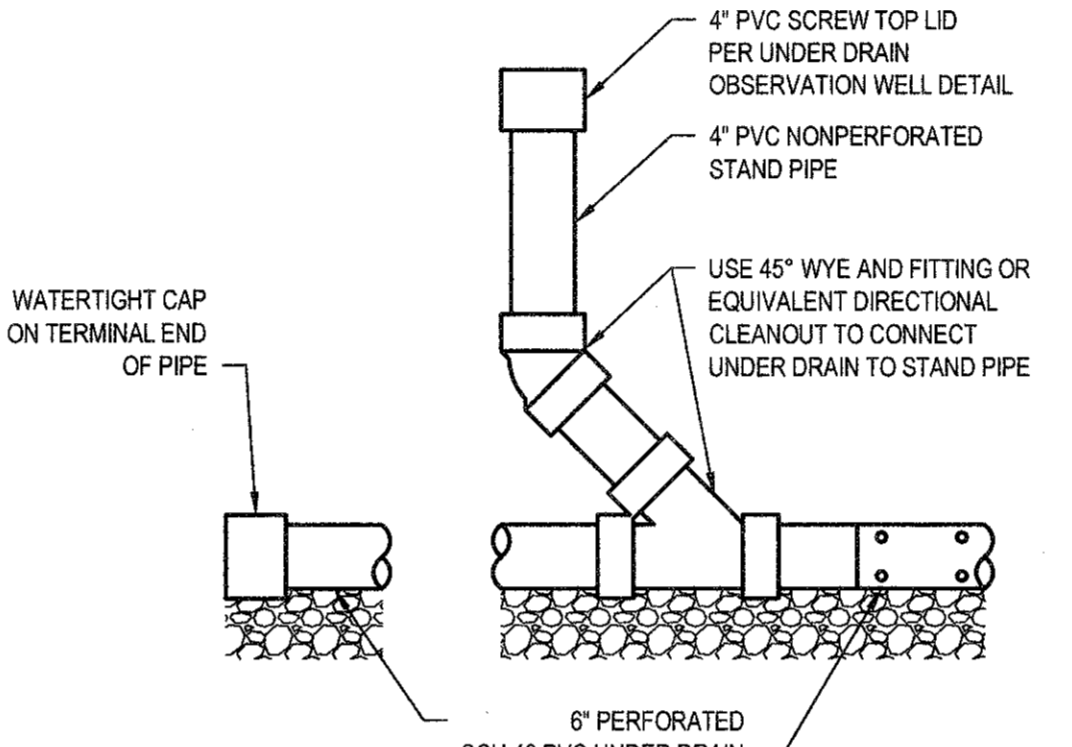
6 STANDARD PRECAST CONCRETE CATCH BASIN DETAIL
NOT TO SCALE



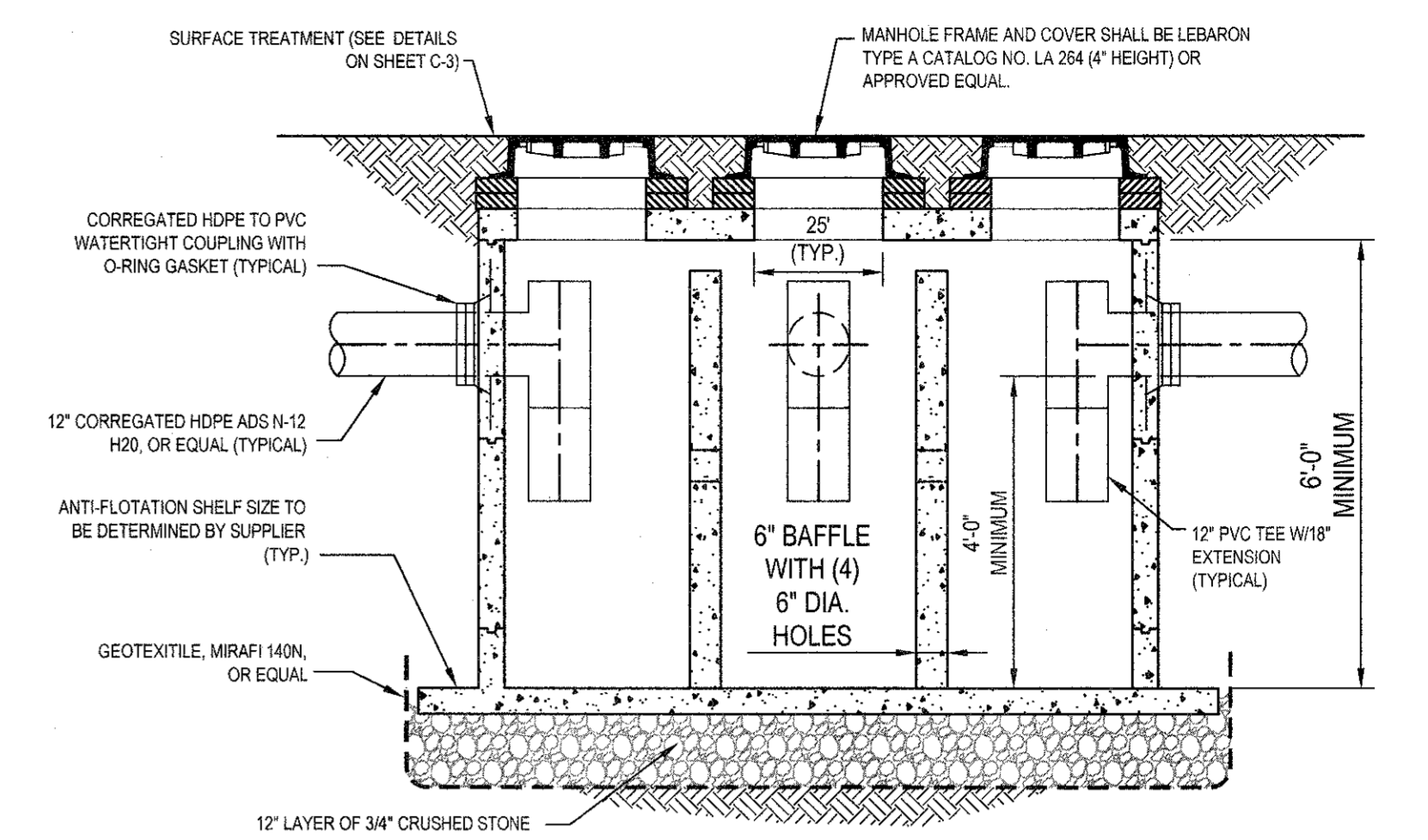
7 STANDARD PRECAST CONCRETE STORM SEWER MANHOLE DETAIL
NOT TO SCALE



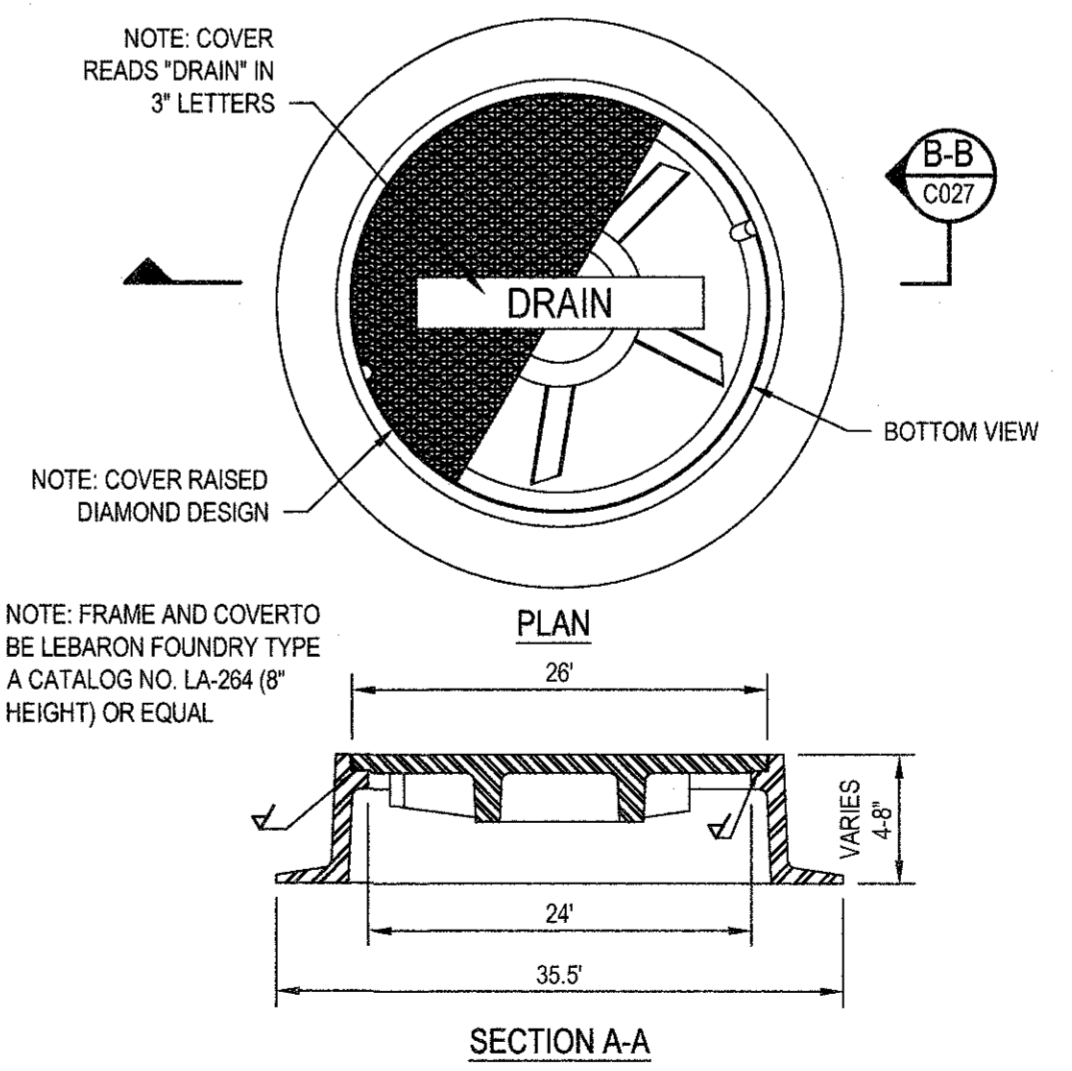
2 OIL / GRIT SEPARATOR DETAIL
NOT TO SCALE



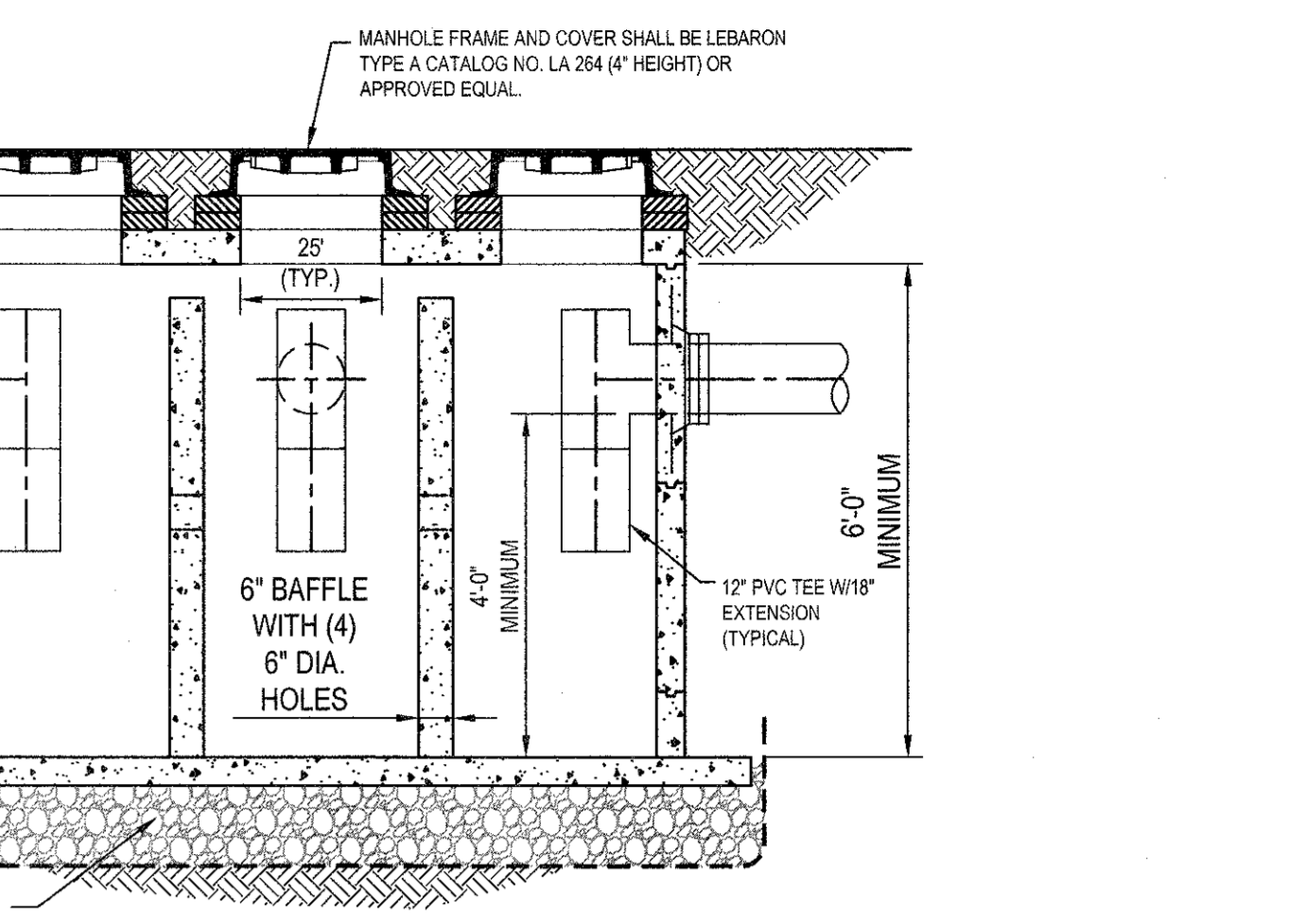
3 CLEANOUT DETAIL- UNDERDRAINS
NOT TO SCALE



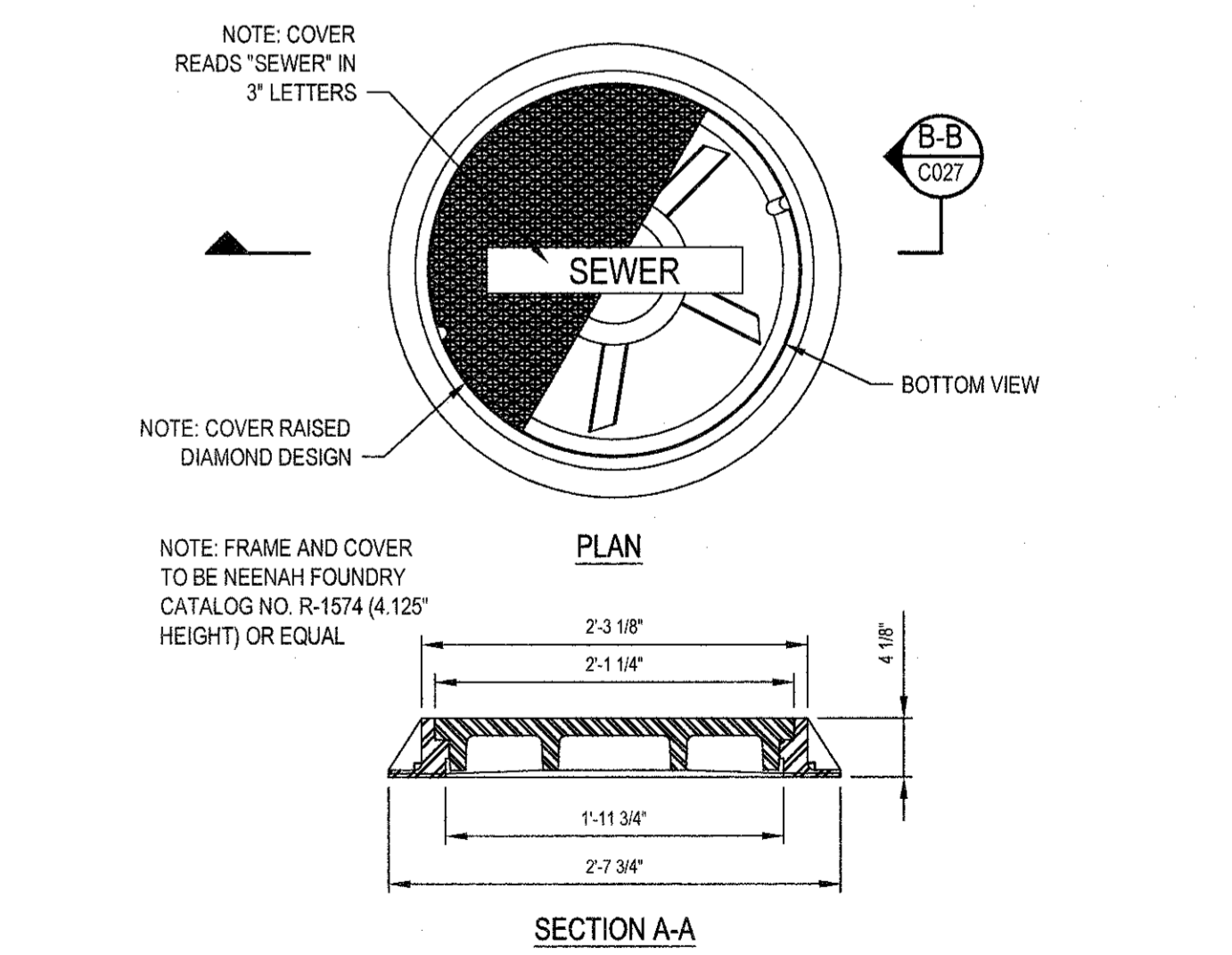
4 NORMAL TRENCH DETAIL
NOT TO SCALE



8 DRAIN MANHOLE FRAME AND COVER DETAIL
NOT TO SCALE



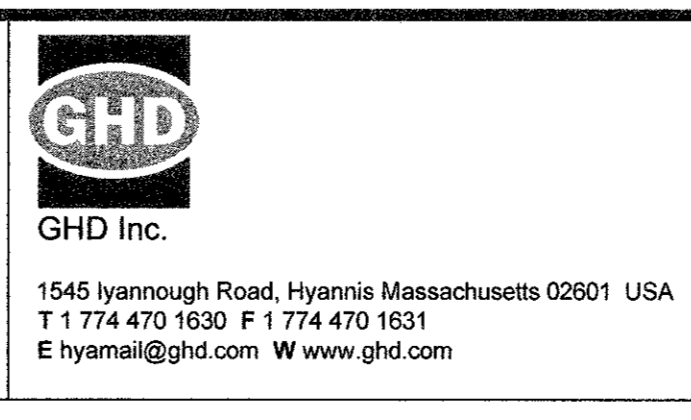
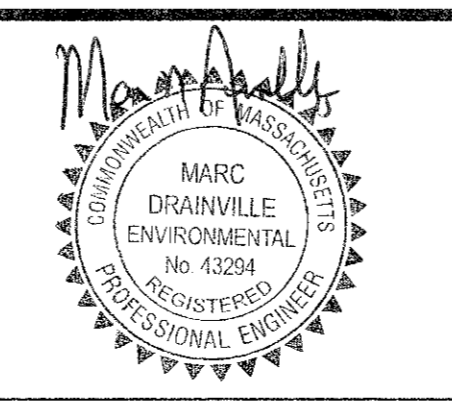
5 CATCH BASIN FRAME AND GRATE DETAIL
NOT TO SCALE



9 SEWER MANHOLE FRAME AND COVER DETAIL
NOT TO SCALE

No	Revision	Note	Drawn	Job Manager	Project Director	Date
0	FOR CONSTRUCTION		JDF	SLT	MRD	03/17

NOTES: UNDERGROUND FACILITIES, STRUCTURES, AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND RECORDS, AND THEREFORE THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. THERE MAY BE OTHERS, THE EXISTENCE OF WHICH IS PRESENTLY NOT KNOWN. ANYONE USING UTILITY INFORMATION AND DATA PROVIDED HEREIN SHALL CALL DIG SAFE AT 811 SEVENTY TWO (72) HOURS, 3 BUSINESS DAYS IN ADVANCE TO VERIFY THE LOCATION OF UTILITIES PRIOR TO START OF CONSTRUCTION.



Drawn	JDF	Designer	JWB
Drafting Check	SFB	Design Check	SLT
Approved (Project Director)	Date: 3/17/17		
Scale	AS SHOWN		

Client	TOWN OF UXBRIDGE, MASSACHUSETTS		
Project	WWTF BNR AND INFRASTRUCTURE UPGRADE		
Title	STORMWATER MANAGEMENT DETAILS 2		
Contract No.	2016-05		
Arch D	Drawing No:	869-18922-C027	
Rev:	0		

and their catalysts and hardeners shall be crated or boxed separately and noted as such to facilitate their movement to a dry indoor storage facility.

- B. Storage of Products - All materials shall be carefully handled to prevent abrasion, cracking, chipping, twisting, other deformations and other types of damage. Adhesives, resins, and their catalysts are to be stored in dry indoor storage facilities between 70 and 85 degrees F until they are required.

1.10. COORDINATION

- A. Coordinate work with concrete and grout placement.
- B. Coordinate work with tank location(s) and dimensions.

PART 2 PRODUCTS

2.01. MANUFACTURERS

- A. Products for the work of this section shall be as manufactured by the following:
 - 1. Fibergrate Composite Structures, Inc.
www.fibergrate.com
 - 2. An-Cor Industrial Plastics
www.an-cor.com
 - 3. Strongwell Products
www.strongwell.com
 - 4. Equal submitted according to the requirements in Section 01600 for substitutions and approved by the Engineer.

2.02. MATERIALS - GENERAL

- A. With the exception of molded gratings and treads, all FRP products noted in Article 1.01 shall be manufactured using vinyl ester resin with flame retardant and ultraviolet (UV) inhibitor additives. A synthetic surface veil shall be the outermost layer covering the exterior surface. The flame-retardant FRP shapes shall achieve a flame spread of 25 or less in accordance with ASTM Test Method E84.
- B. After fabrication, all cut ends, holes, and abrasions of FRP shapes shall be sealed with a compatible resin coating.
- C. FRP products exposed to weather shall contain a UV inhibitor with additional 1 mil minimum UV coating applied.

2.03. STRUCTURAL SHAPES AND PLATES

- A. General - Structural shapes and plates for framing and tread risers shall be:
 - 1. Series 600/625 shapes and plates as supplied by Strongwell.
 - 2. Dynaform by Fibergrate Composite Structures, Inc.