



ADDENDUM 2

12" Public Sewer Extension Phase 3 Project Number: 2020-007B Bid No. 2644

October 29, 2024

A. Answers to questions received:

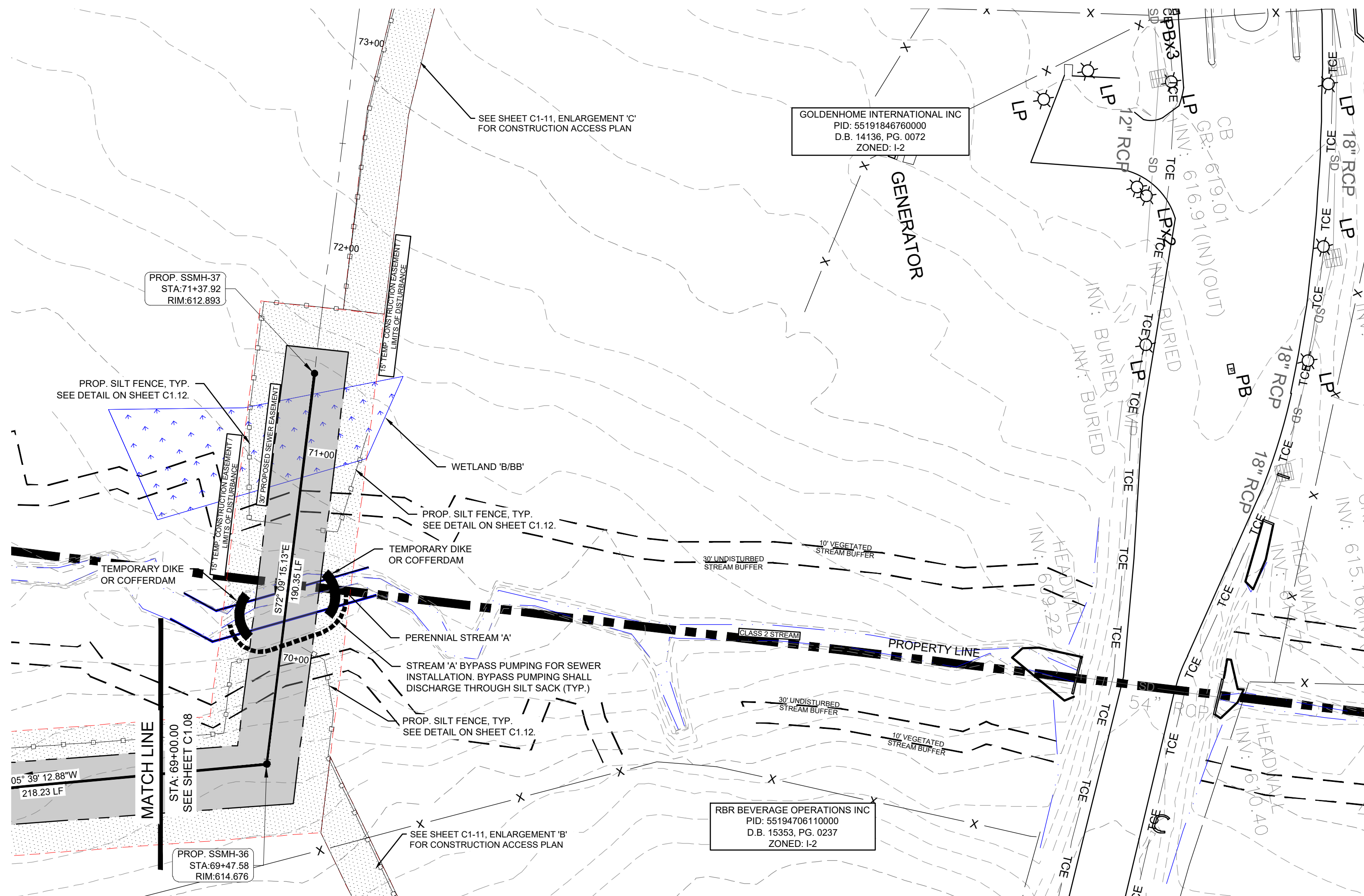
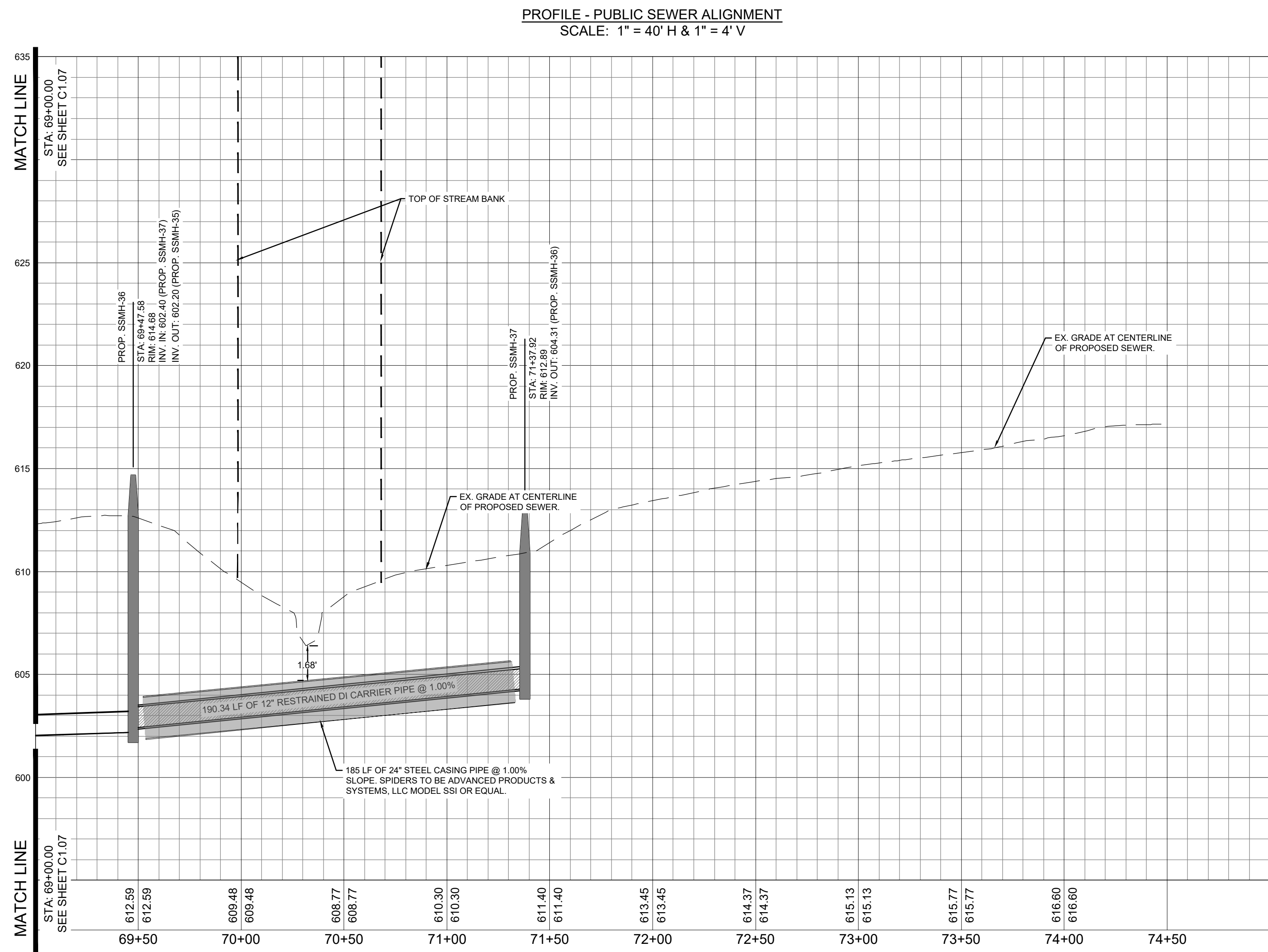
1. Can you specify what type of waterproof coating/lining will be required – there is nothing in the job specs of WSACC's specs that shows what is required. *Coatings/lining should be Bituminours, AASHTO- M-190.*
2. For the road crossing from MH16 to MH17 we will be 20' deep open cutting this road and there will likely be rock. There is not a way to keep this road open to traffic to be able to complete this work. Will we be able to close the road completely? Does the business have another way in and out that they can utilize? *There is access from Roberta Road. However, this work should be performed by jack and bore methods. Revised plan sheets are included in this Addendum.*
3. Can you specify what type of C900 will be required in the wetlands? *DR-14.*
4. The City of Concord detail for stream crossings shows encasement pipe for crossings. There are several stream crossings shown on the plan and profile.
 - a. The crossing at Sta. 35+50 does not show any encasement pipe – will encasement pipe be required? *Yes.*
 - b. The crossing at Sta. 70+50 does not show any encasement pipe – will encasement pipe be required? *Yes.*

Alfred M. Brown Operations Center

635 Alfred Brown Jr. Court SW | Concord, NC 28025 O: 704-920-5425 F: 704-786-4521

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- c. The side line from MH25 to MH41 shows a stream crossing at Sta. 2+00 and does not show any encasement pipe – will encasement pipe be required? *Yes.*
5. There is a bid item #15 Adjustment of Manholes and it has a quantity of 1, where will this be required. *At Sta 33+60.7. there is an existing MH, and adjustment may be required.*
6. There is a bid item #50 Tie to Ex Sewer System and it has a quantity of 3, there is a tie in at MH16, where are the other two tie ins? *Correct, 1 tie in is shown on plans.*
7. For the two bores shown on the plans at perennial stream “H” and intermittent stream “C”, will we be able to cross these with equipment via temp creek crossings? There is no construction access shown on the drawings from the low end (sta: 35+00), so if these streams cannot be crossed this section of the project has no access. *Temporary crossings that span the stream banks are acceptable. Access from New Town Way is also an option via the easement, though slopes in that area are steep and access might not be practical.*
8. Please provide a plan holders list. – *Bidder’s list has been uploaded to the City’s Bid Opportunities webpage. Engineer’s Estimate is included in the bidder’s list.*
- B. Replace sheets C1-04, C1-08 and C1-09 of the plans with the sheet included in this Addendum.
- C. Replace bid tab in Exhibit A with the revised bid tab included in this Addendum.
- D. Bid opening date has been moved to:
- Bid Due Date: **November 1, 2024 at 10:00 am**
Location: City of Concord, Alfred M. Brown Operations Center
Conference Room C 635 Alfred Brown Jr Court SW, Concord, NC 28026
- E. Acknowledge Addendums 1 & 2 on the bid form of the documents.



WITHIN THE WETLANDS - FOR ALL OTHER SEPARATIONS,
MATERIALS, TESTING METHODS AND ACCEPTABILITY
STANDARDS MEETING WATER MAIN STANDARDS (15A NCAC
18C) SHALL BE SPECIFIED. SPECIFY C-900 PVC PIPE
CONSTRUCTED TO POTABLE WATER MAIN STANDARDS.

- WITHIN THE WETLANDS INDICATE THE ADDITIONAL
MANHOLE REQUIREMENTS:
1. MANHOLES SHALL BE PROVIDED WITH A WATERTIGHT
FRAME AND COVER WITH GASKET.
 2. ALL MANHOLE SEAMS SHALL BE EXTERNALLY
TAPED/SEALED.
 3. MANHOLES SHALL BE PROVIDED WITH A FULL
WATERPROOF INTERIOR COATING/LINING.
 4. WATERTIGHT PIPE CONNECTIONS SHALL BE PROVIDED
CONSISTING OF A FLEXIBLE RUBBER BOOT OR
COMPRESSION TYPE CONNECTOR.
 5. ALL MANHOLES SHALL BE TESTED IN ACCORDANCE
WITH ASTM C1244 "STANDARD TEST METHOD FOR
CONCRETE SEWER MANHOLES BY THE NEGATIVE AIR
PRESSURE (VACUUM) TEST PRIOR TO BACKFILL".
 6. "DOG HOUSE" TYPE MANHOLES SHALL NOT BE USED.

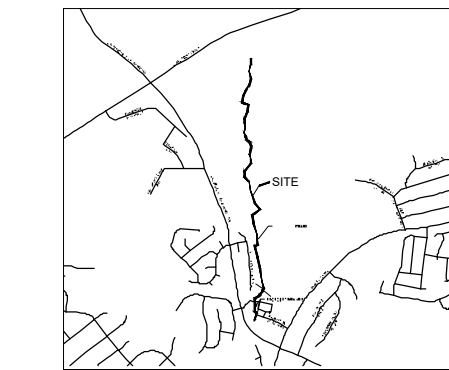
WETLAND IMPACT NOTES:

1. TEMPORARY STREAM CROSSINGS ARE LIMITED TO
INTERMITTENT STREAMS AND DIVERSION DITCHES
WHICH DO NOT HAVE A CONTINUOUS FLOW. THE CLASS
2 STREAM SHALL HAVE NO IMPACTS OR TEMPORARY
STREAM CROSSINGS. PLEASE SEE PERMIT
SAW-2021-01147 FOR APPROVED WETLAND IMPACTS
AND MITIGATION.
2. ALL TEMPORARY WETLANDS IMPACTED WILL BE
RESTORED BY RESERVING OR REPLACING 6" TO 12" OF
TOPSOIL AND RE-SEEDING WITH A NATIVE SEED MIX.
ADDITIONAL TEMPORARY WETLAND IMPACTS REQUIRED
FOR CONSTRUCTION ACCESS (THOSE AREAS THAT WILL
NOT BE MAINTAINED WITHIN THE MAINTENANCE
EASEMENT) WILL BE REPLANTED WITH NATIVE WOODY
STEMS AT AN APPROPRIATE DENSITY.
3. CULVERTED STREAM CROSSINGS WILL BE SUBJECT TO
A NWP THRESHOLD OF 0.05 ACRES TOTAL.
4. ANTI-SEEP COLLARS SHALL BE PLACED AT THE
DOWNSTREAM (UTILITY LINE GRADIENT) BOUNDARY
OF WETLANDS IMPACT AREAS AND EVERY 150 FT UP
THE GRADIENT, AS APPLICABLE.

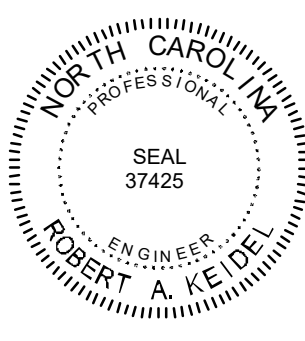
LEGEND

SILT FENCE	—○—○—○—
LIMITS OF DISTURBANCE (10.10 AC)	—●—●—●—●—
TEMPORARY CONSTRUCTION EASEMENT	—■—■—■—■—
PROPOSED SEWER EASEMENT	—■—■—■—■—
PROPOSED SANITARY SEWER	—SS—
PROPOSED SEWER MANHOLE	—●—
WETLANDS	—■—■—■—■—
EX. STREAM	—●—●—●—●—
EX. MAJOR CONTOUR	—600—
EX. MINOR CONTOUR	—602—
PROPOSED MAJOR CONTOUR	—600—
PROPOSED MINOR CONTOUR	—602—

KEY MAP



SEAL



10.29.2024

ISSUED FOR
PERMITTING

PROJECT

12" PUBLIC
SEWER
EXTENSION

PHASE 3

CITY OF CONCORD

PO BOX 308

LANDDESIGN PROJ.#

1020059

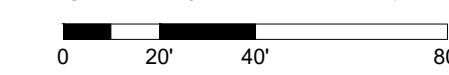
REVISION / ISSUANCE

NO.	DESCRIPTION	DATE
1	CITY SUBMITTAL	09.01.2022
2	CITY SUBMITTAL 2	09.27.2022
3	CITY SUBMITTAL 3	03.10.2023
4	PHASE 3 FOR CONSTRUCTION	02.27.2024
5	PHASE 3 BID REVISIONS	10.29.2024

DESIGNED BY: LDI
DRAWN BY: RSK
CHECKED BY: RAK

SCALE

VERT: N/A
HORZ: 1"=40'

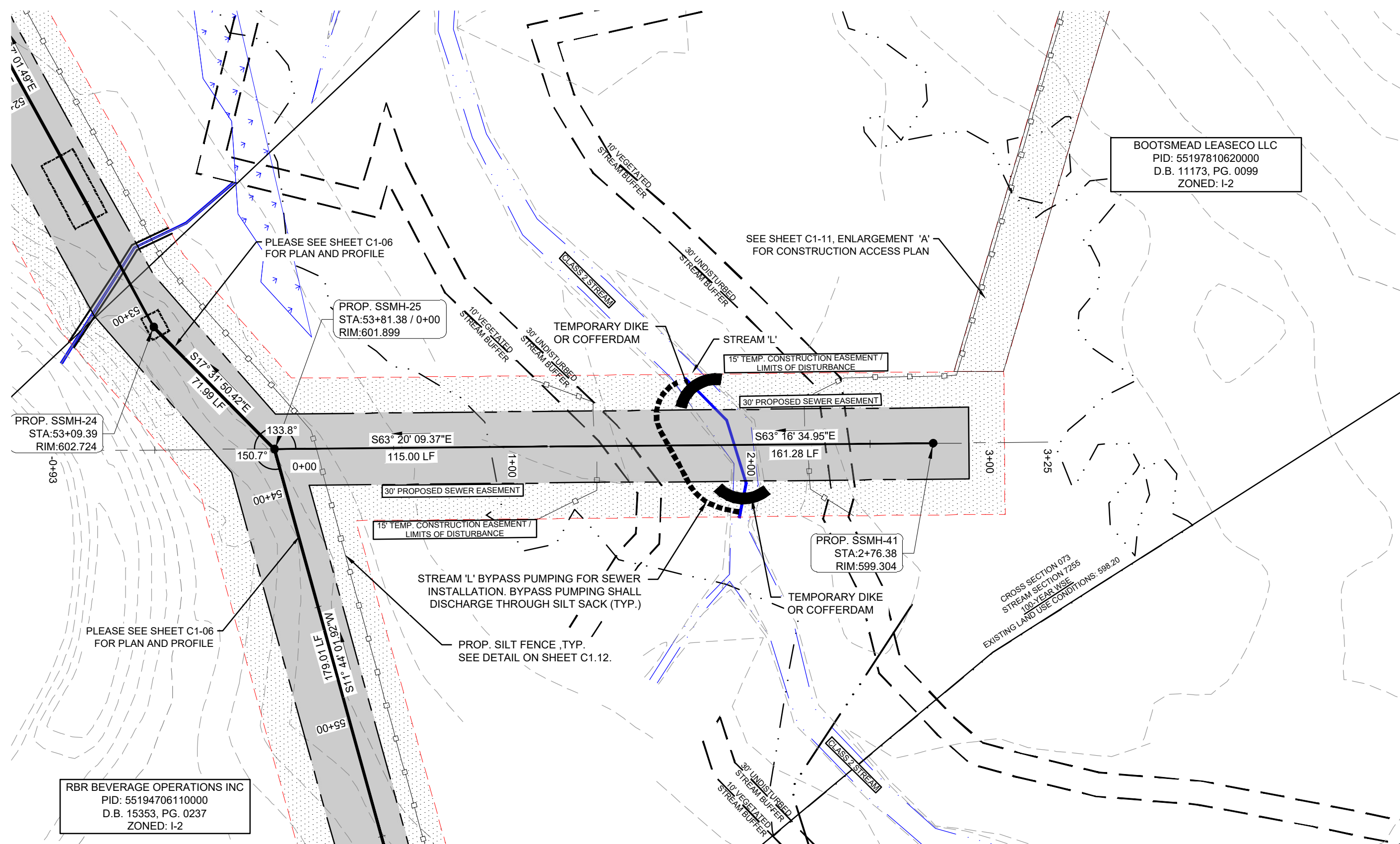
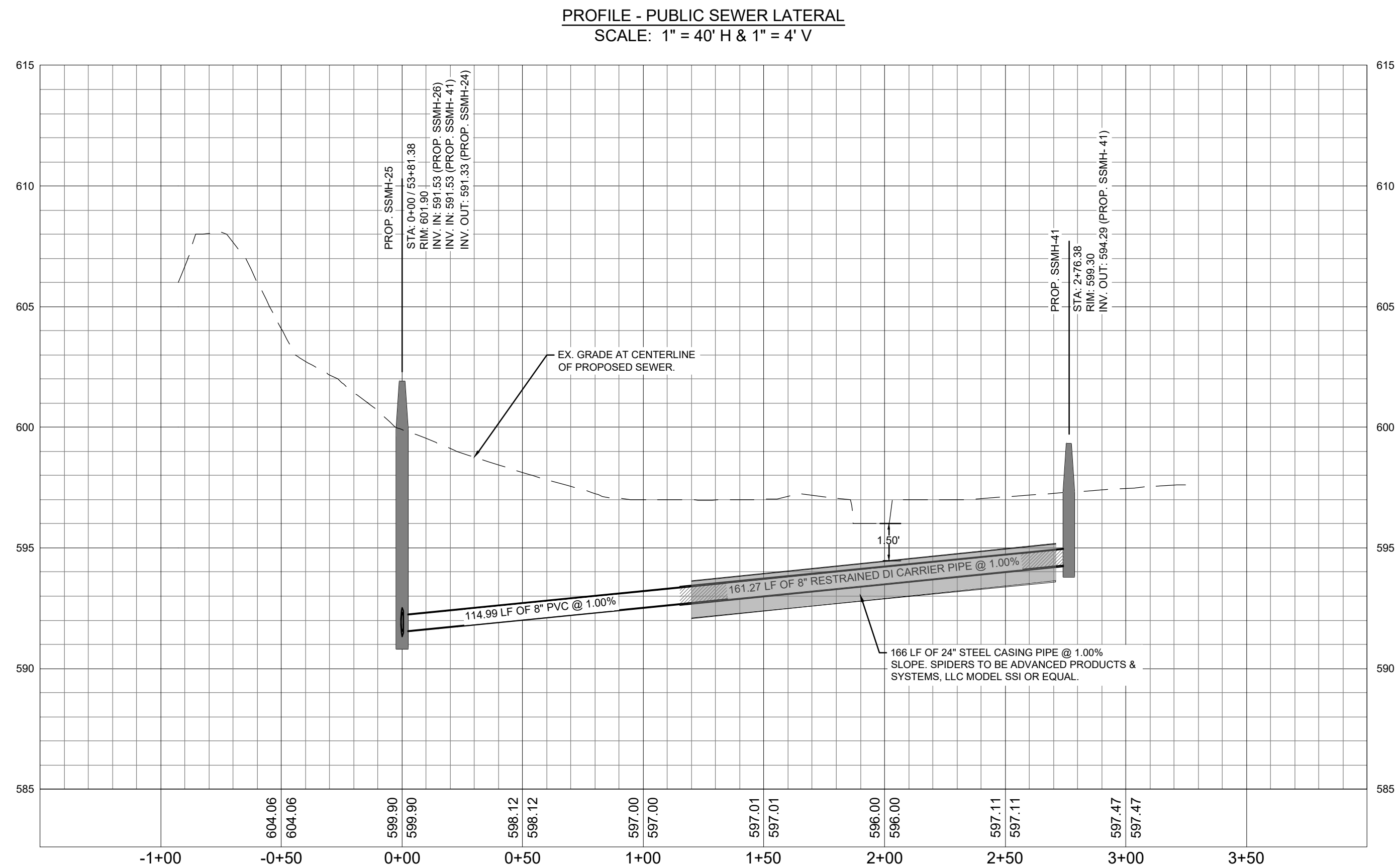


SHEET TITLE

SEWER PLAN AND PROFILE

SHEET NUMBER

C1-08



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LEGEND

SILT FENCE	
LIMITS OF DISTURBANCE (10.10 AC)	
TEMPORARY CONSTRUCTION EASEMENT	
PROPOSED SEWER EASEMENT	
PROPOSED SANITARY SEWER	
EXISTING SANITARY SEWER	
PROPOSED SEWER MANHOLE	
WETLANDS	
EX. STREAM	
EX. MAJOR CONTOUR	
EX. MINOR CONTOUR	
PROPOSED MAJOR CONTOUR	
PROPOSED MINOR CONTOUR	

ISSUED FOR PERMITTING

PROJECT

12" PUBLIC SEWER EXTENSION

PHASE 3

CITY OF CONCORD

PO BOX 308

LANDDESIGN PROJ.# 1020059

REVISION / ISSUANCE

NO.	DESCRIPTION	DATE
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5	PHASE 3 BID REVISIONS	10.29.2024

DESIGNED BY: LDI
DRAWN BY: RSK
CHECKED BY: RAK

SCALE

VERT: 1"=4'
HORZ: 1"=40'

SHEET TITLE

SEWER PLAN AND PROFILE

SHEET NUMBER

C1-09

REVISED EXHIBIT A – BID FORM**The Grounds Sewer Phase 3 - Project No. 2020-007B**

No.	Item	Description	Qty.	Units	Unit Price (\$)	Item Total (\$)
1	800	Mobilization	1	LS		
2	801	Construction Surveying	1	LS		
3	SP-01	Traffic Control	1	LS		
4	SP-02	Comprehensive Grading	1	LS		
5	SP-03	Select Material	100	TN		
6	SP-04	Borrow Excavation	100	CY		
7	SP-05	Rock Excavation	2500	CY		
8	226	Undercut Excavation	100	CY		
9	300	Foundation Conditioning Material, Minor Structures	500	TN		
10	300	Foundation Conditioning Geotextile	800	SY		
11	520	Aggregate Base Course	50	TN		
12	654	Asphalt Plant Mix, Pavement Repair	25	TN		
13	846	2'-6" Concrete Curb & Gutter	20	LF		
14	848	4" Concrete Sidewalk	20	SY		
15	858	Adjustment of Manholes	1	EA		
16	864	Remove and Reset Existing Guardrail	25	LF		
17	876	Rip Rap, Class B	50	TN		
18	876	Rip Rap, Class 2	260	TN		
19	876	Geotextile for Drainage	600	SY		
20	1205	Thermoplastic Pavement Marking Lines, 4", 90 mils	0	LF		
21	1205	Thermoplastic Pavement Marking Lines, 4", 120 mils	0	LF		
22	SP-07	Stream Pump Around Operations (Stream A Bypass - Sta 35+50)	1	LS		
23	SP-07	Stream Pump Around Operations (Stream A Bypass - Sta 70+20)	1	LS		
24	SP-07	Stream Pump Around Operations (Stream L Bypass - Sta 2+00)	1	LS		

No.	Item	Description	Qty.	Units	Unit Price (\$)	Item Total (\$)
25	1605	Temporary Silt Fence	5360	LF		
26	SP-09	Silt Fence Outlet	30	EA		
27	1631	Matting for Erosion Control (Biodegradable Netting)	400	SY		
28	SP-10	Coir Fiber Matting	550	SY		
29	1660	Seeding and Mulching	4.25	AC		
30	SP-11	Riparian Seeding	2.06	AC		
Sanitary Sewer						
31	WSACC 01025	8" PVC to 6' depth	45	LF		
32	WSACC 01025	8" PVC 6'-8' depth	50	LF		
33	WSACC 01025	8" PVC 8'-10' depth	20	LF		
34	WSACC 01025	12" PVC 6'-8' depth	3010	LF		
35	WSACC 01025	12" PVC 8'-10' depth	218	LF		
36	WSACC 01025	12" PVC 10'-12' depth	0	LF		
37	WSACC 01025	8" Restrained DI Pipe to 6' depth	0	LF		
38	WSACC 01025	12" Restrained DI Pipe to 6' depth	0	LF		
39	WSACC 01025	12" Restrained DI Pipe 6' to 8' depth	0	LF		
40	WSACC 01025	12" Restrained DI Pipe 8' to 10' depth	0	LF		
41	WSACC 01026	12" Restrained DI Pipe over 10' depth	0	LF		
42	WSACC 01027	12" Restrained DI Carrier Pipe	725	LF		
43	1540	24" Steel Encasement Pipe (t-.250"), inc. Spider Supports	719	LF		
44	SP-12	Bore and Jack of 24" Steel Pipe in Soil	184	LF		
45	SP-12	Bore and Jack of 24" Steel Pipe not in Soil	184	LF		
46	WSACC 01025	4' Dia Standard MH	22	EA		
47	WSACC 01025	4' Dia MH Additional Depth	89	LF		

No.	Item	Description	Qty.	Units	Unit Price (\$)	Item Total (\$)
48	WSACC 01025	Vent Pipe	2	EA		
49	WSACC 01025	Anti-Seep Collar	9	EA		
50	WSACC 01025	Tie to Ex Sewer System	1	EA		

TOTAL BASE COST \$ _____

10% CONTINGENCY \$ _____

TOTAL COST \$ _____