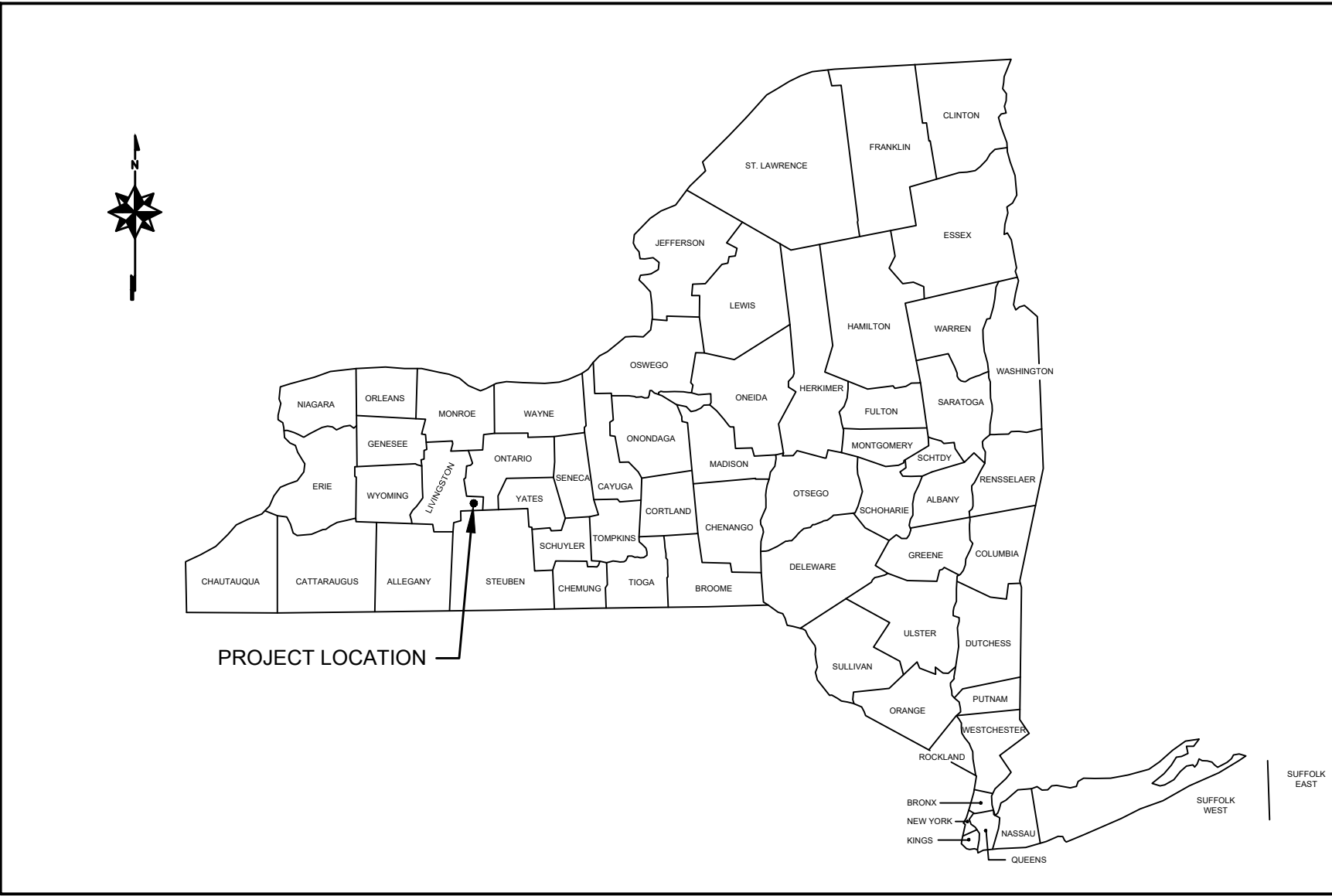
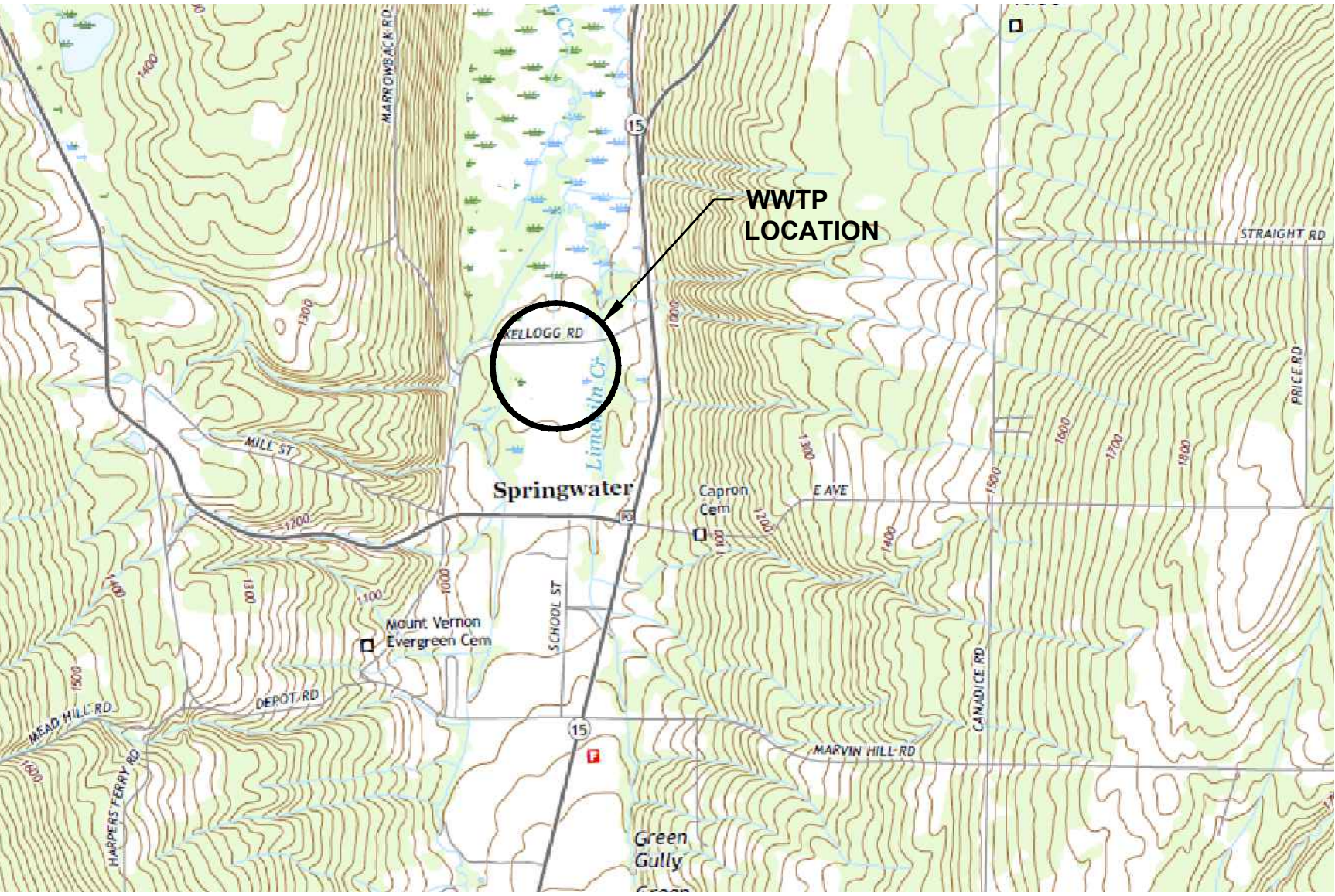


AS-BUILT DRAWINGS FOR THE SPRINGWATER WWTP AND COLLECTION SYSTEM IMPROVEMENTS TOWN OF SPRINGWATER, LIVINGSTON COUNTY, NEW YORK

STATE MAP
SCALE: N.T.S



LOCATION MAP: USGS SPRINGWATER QUADRANGLE MAP



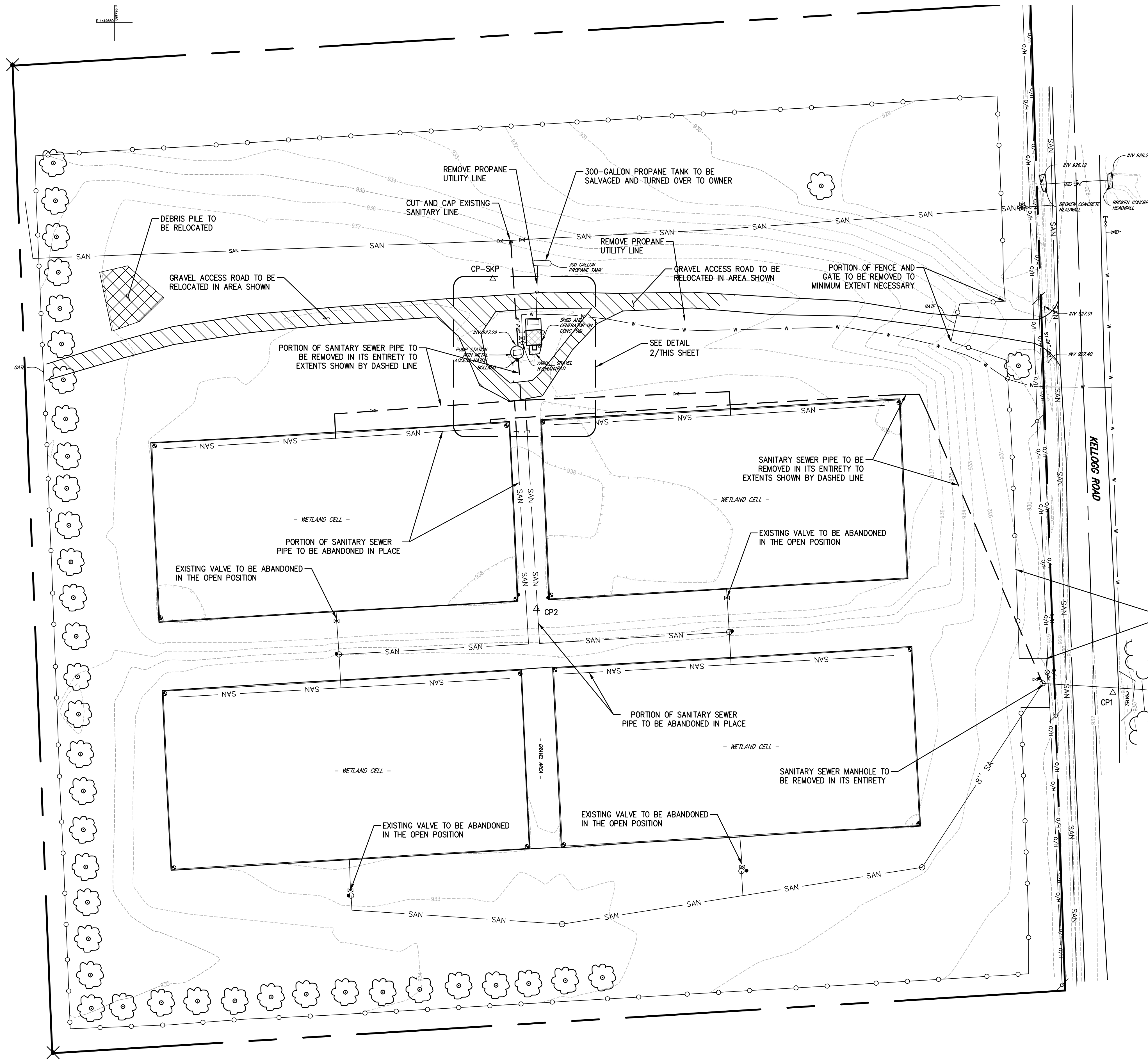
HUNT NO. 2629.017
JANUARY 2025

HUNT ENGINEERS | ARCHITECTS | SURVEYORS
100 HUNT CENTER HORSEHEADS, N.Y. 14845 607 - 358 - 1000 FAX 358 - 1800 ROCHESTER, NY TOWANDA, PA SYRACUSE, NY

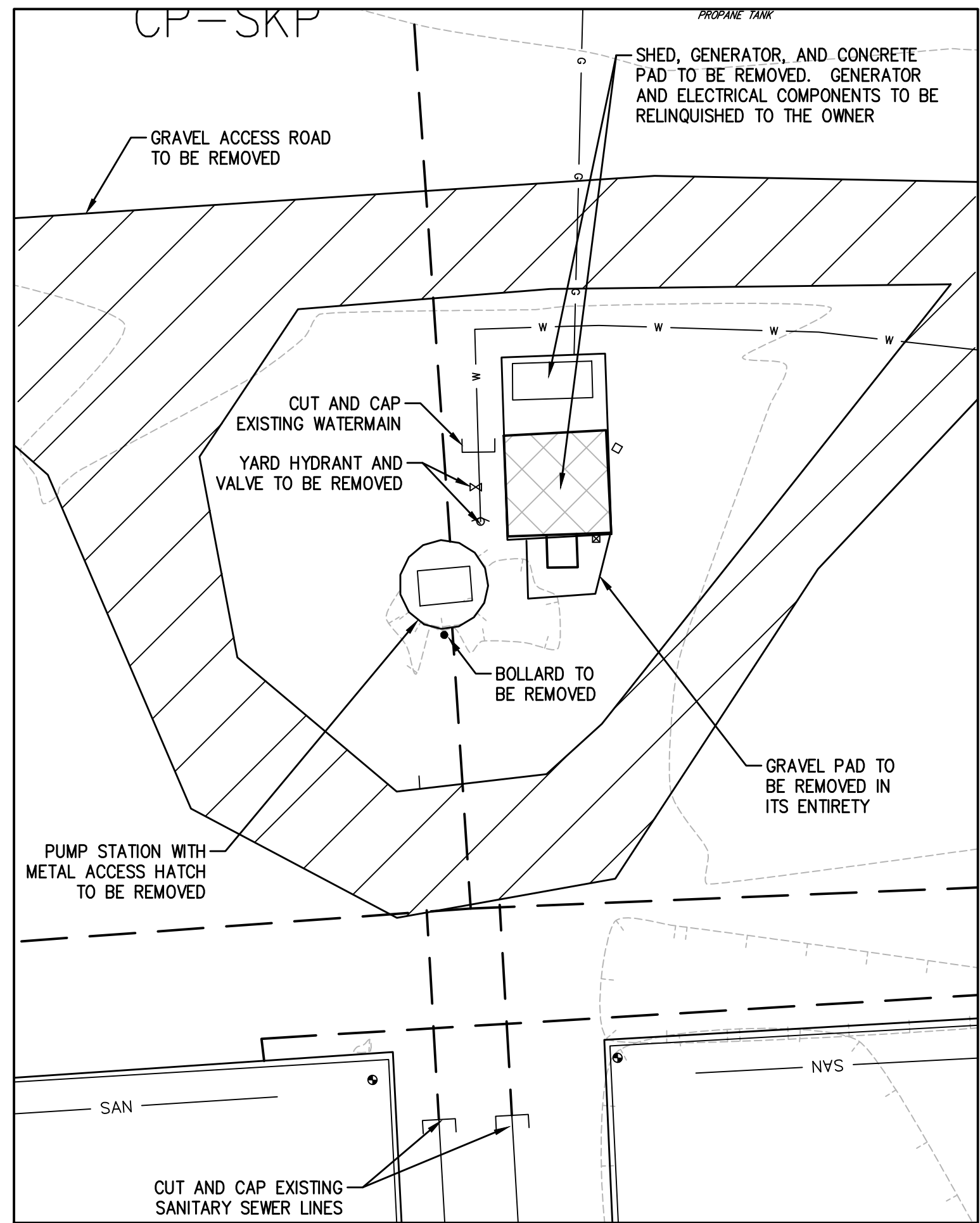
DRAWING SHEETS	
SHEET NUMBER	SHEET NAME
C0.1	GENERAL NOTES
C0.2	COLLECTION SYSTEM KEY MAP
C1.1	EXISTING CONDITIONS - DEMO PLAN
C2.1	SITE IMPROVEMENT PLAN
C2.2	SITE LAYOUT PLAN
C3.1	SITE UTILITY PLAN
C3.2	SITE UTILITY PLAN
C3.3	SITE ELECTRICAL PLAN
C3.4	SITE UTILITY PLAN - ALT 2
C4.1	SEWER OUTFALL PROFILES
C4.2	PRIMARY TREATMENT PROFILE
C6.1	SITE DETAILS
C6.2	SITE DETAILS
C6.3	PROCESS EQUIPMENT DETAILS
C6.4	FIXED FILM SYSTEM - PLAN VIEW
C6.5	PRIMARY & FLOW EQ TANK DETAILS
C6.6	1ST STAGE UNIT #1 DETAIL
C6.7	1ST STAGE UNIT #2 DETAIL
C6.8	1ST STAGE UNIT #3 DETAIL
C6.9	1ST STAGE UNIT #4 DETAIL
C6.10	1ST STAGE UNIT #5 DETAIL
C6.11	1ST STAGE UNIT #6 DETAIL
C6.12	2ND STAGE UNIT #7 DETAIL
C6.13	2ND STAGE UNIT #8 DETAIL
C6.14	2ND STAGE UNIT #9 DETAIL
C7.1	EROSION & SEDIMENT CONTROL PLAN
C7.3	EROSION & SEDIMENT CONTROL DETAILS
A1.1	FLOOR AND ROOF PLANS
A1.2	ELEVATIONS, SECTIONS & DETAILS
E1.1	ELECTRICAL PLAN
E2.1	SCHEDULES AND DETAILS
M1.1	HVAC & PLUMBING FLOOR PLAN
P1.0	PROCESS ROOM PIPING PLAN
S0.1	STRUCTURAL GENERAL NOTES
S1.1	FOUNDATION PLAN
S1.2	FRAMING PLAN
S2.1	FOUNDATION DETAILS
S2.2	FOUNDATION DETAILS
S3.1	FRAMING DETAILS
S3.2	TRUSS DETAILS

ALL NEW ABOVE-GROUND STRUCTURES, FULLY OR PARTIALLY ENCLOSED, USED OR INTENDED FOR SHELTERING PERSONS OR PROPERTY SHALL BE DESIGNED WITH THE APPROPRIATE SEISMIC SAFETY PROVISIONS IN COMPLIANCE WITH THE 2016 NEW YORK STATE UNIFORM FIRE PREVENTION AND BUILDING CODE (2015 INTERNATIONAL BUILDING CODE WITH THE 2016 NEW YORK SUPPLEMENT, COLLECTIVELY REFERRED TO AS THE 2016 NEW YORK STATE BUILDING CODE) AND RURAL DEVELOPMENT IMPLEMENTING REGULATIONS FOR SEISMIC SAFETY (7 CFR PART 1792, SUBPART C).

FOR EACH APPLICABLE STRUCTURE, BORROWERS AND GRANT RECIPIENTS MUST PROVIDE RUS A WRITTEN ACKNOWLEDGMENT FROM A REGISTERED ARCHITECT OR ENGINEER RESPONSIBLE FOR THE DESIGN STATING THAT SEISMIC PROVISIONS PURSUANT TO 7 CFR 1792 AND THE 2016 NEW YORK STATE BUILDING CODE WILL BE USED IN THE DESIGN OF THE STRUCTURE. THIS ACKNOWLEDGEMENT SHALL BE ON THE TITLE PAGE OF THE DRAWINGS INCLUDED WITH THE FINAL DRAWINGS AND SPECIFICATIONS AND SHALL INCLUDE THE IDENTIFICATION AND DATE OF THE MODEL CODE OR STANDARD THAT IS USED IN THE SEISMIC DESIGN OF THE STRUCTURE. THE DRAWINGS AND SPECIFICATIONS MUST BE DATED, SIGNED, AND SEALED BY A REGISTERED ARCHITECT OR ENGINEER. PLEASE CONFIRM IF THIS REQUIREMENT SHALL BE MADE PART OF THE CONTRACTORS SUBMITTALS.



1 EXISTING CONDITIONS PLAN
SCALE: 1"=30'

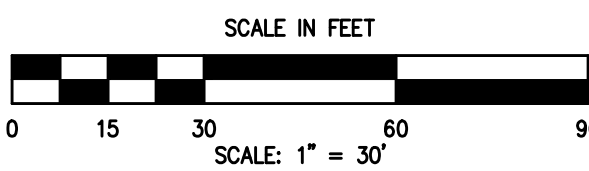


2 DETAILED DEMOLITION PLAN
SCALE: 1"=10'

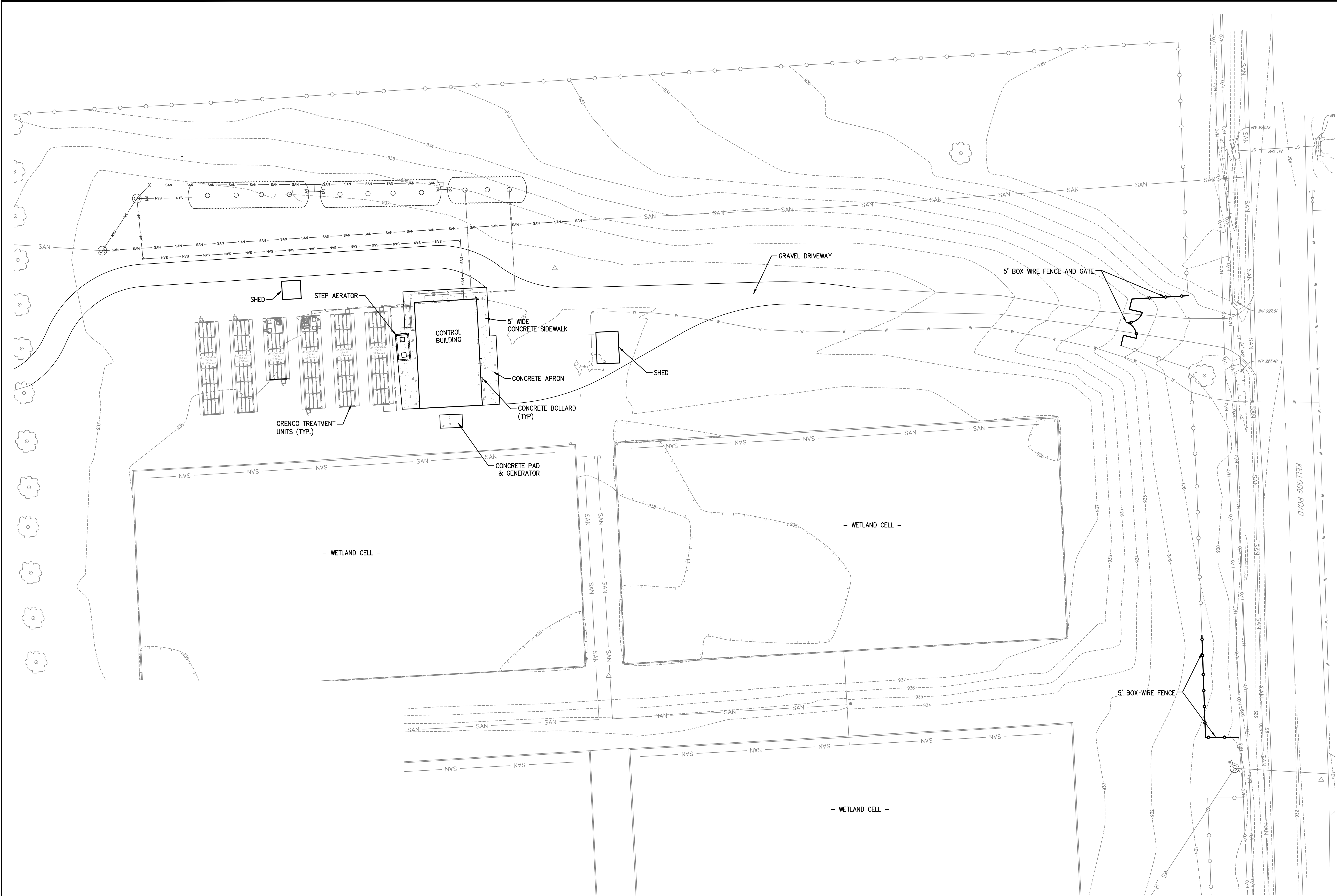
SECTION OF FENCE TO BE REMOVED WITHIN LIMITS SHOWN

NOTE:
SEE C3.3 FOR SITE ELECTRIC UTILITY

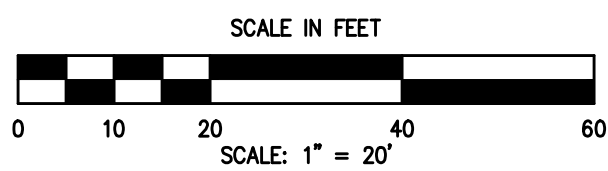
- CONSTRUCTION SEQUENCE
1. ROUGH GRADING OF SITE
 2. CONSTRUCT NEW WWTF CONTROL BUILDING
 3. INSTALL STANDARD STAGE AX-MAX TREATMENT TANKS
 4. INSTALL SECOND STAGE AX-MAX TREATMENT TANK - (ALTERNATE 1)
 5. INSTALL PRIMARY SEPTIC TANK AND FLOW EQ TANK
 6. INSTALL ALL REMAINING EXTERIOR SEWER PIPING, INCLUDING OUTFALL PIPING
 7. INSTALL NEW SITE ELECTRICAL AND WATER SERVICE
 8. INSTALL PIPING FROM EXISTING FORCEMAIN TO NEW PRIMARY SEPTIC TANKS AND READY SYSTEM FOR TRANSITION TO NEW WWTF. IF THE NEW WWTF HAS BEEN INSTALLED TO SPECIFICATIONS AND IS DEEMED READY FOR OPERATION BY MANUFACTURER AND PROJECT ENGINEER, VALVE OFF FLOW TO EXISTING QUADRUPEX PUMP STATION AND MAKE PERMANENT CONNECTION TO NEW PRIMARY SEPTIC TANKS.
 9. DECOMMISSION EXISTING QUADRUPEX PUMP STATION AND CONTROL BUILDING, AND DISPOSE OF AS PER OWNERS REQUEST
 10. PERMANENTLY OPEN VALVES BETWEEN EXISTING WETLAND CELLS AN EXISTING WETLAND CELL OUTFALL PIPE



AS-BUILT SET	
PROJECT NO: 2629.017	
C1.1	
EXISTING CONDITIONS - DEMO PLAN WWTP AND COLLECTION SYSTEM IMPROVEMENTS TOWN OF SPRINGWATER, LIVINGSTON COUNTY, NEW YORK	
HUNT ENGINEERS ARCHITECTS SURVEYORS 100 Hunt Center, Horseheads, New York 14845 P: 607-538-1000 F: 607-358-1800 Office: Rochester Horseheads Towanda	
DRAWN BY: MCR CHECKED BY: PFM DATE: JULY 2018 SCALE: AS SHOWN	
BY: MCR MCR KAB	
Copyright 2018	
Unauthorized Alteration Or Addition To Plans Bearing A Licensed Engineer's Or Architects Seal, Is A Violation Of Section 7209 Of The New York State Education Law.	
DESCRIPTION OF REVISION: # DATE: 1 9/15/18 NYSDEC COMMENTS 2 9/15/18 NYSDEC COMMENTS 3 11/11/19 ISSUED FOR RE-BID	



1 SITE IMPROVEMENT PLAN
SCALE: 1"=20'



HUNT ENGINEERS ARCHITECTS SURVEYORS 100 Hunt Center, Horseheads, New York 14845 P: 607-538-1000 F: 607-538-1800 Office: Rochester Horseheads Towanda	
SITE IMPROVEMENT PLAN WWTP AND COLLECTION SYSTEM IMPROVEMENTS TOWN OF SPRINGWATER, LIVINGSTON COUNTY, NEW YORK	
C2.1 PROJECT NO: 2629.017	
DRAWN BY: MCR CHECKED BY: PFM DATE: JULY 2018 SCALE: AS SHOWN	
BY: MCR MCR KAB	
DATE: 8/15/18 8/15/18 11/11/19 11/11/19 11/11/19 11/11/19 11/11/19	
DESCRIPTION OF REVISION: NYSDEC COMMENTS NYSDEC COMMENTS ISSUED FOR RE-BID	
Unauthorized Alteration Or Addition To Plans Bearing A Licensed Engineer's Or Architects Seal, Is A Violation Of Section 7209 Of The New York State Education Law.	

1 SITE UTILITY PLAN (WWTP)
SCALE: 1"=5'

SAN. MH
RIM: 937.92
INV: 925.67 (W)
INV: 925.67 (N)

REFER TO SHEET SERIES C6 FOR
TANK LAYOUT PLAN AND INDIVIDUAL
TANK PLAN AND PROFILE

3" DIA. FORCEMAIN FROM FLOW
METER TO INLET OF UNIT #1

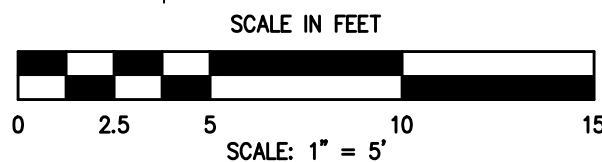
CASCADE REAERATION SYSTEM
SEE SHEET C4.1

4" DIA. SDR35 PVC DISCHARGE LINE
FROM STEP WEIR AERATOR TO
SAMPLING MANHOLE

CONTROL BUILDING
FFE: 938.50

1-1/2" DIA. HDPE FORCEMAIN RETURN
LINE TO FLOW EQ/PREANOXIC TANK
(THROUGH DRY CHEM FEED SYSTEM)

3" DIA. HDPE
FORCEMAIN FROM
FLOW EQ TANK PUMPS
TO FLOW METER



SITE UTILITY PLAN
WWTP AND COLLECTION
SYSTEM IMPROVEMENTS

TOWN OF SPRINGWATER, LIVINGSTON COUNTY, NEW YORK

C3.2

PROJECT NO: 2629.017

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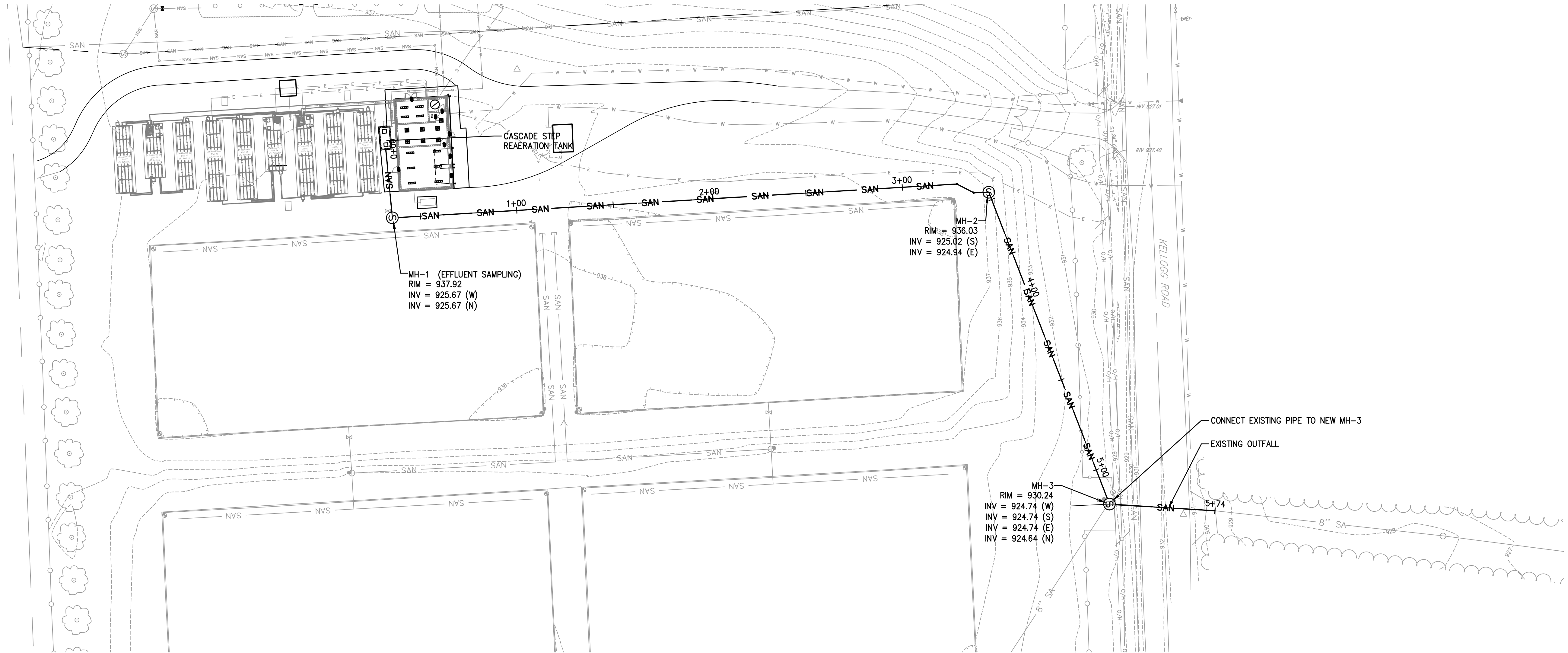
Office: Rochester | Horseheads | Townsda

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DATE: JULY 2018
SCALE: AS SHOWN

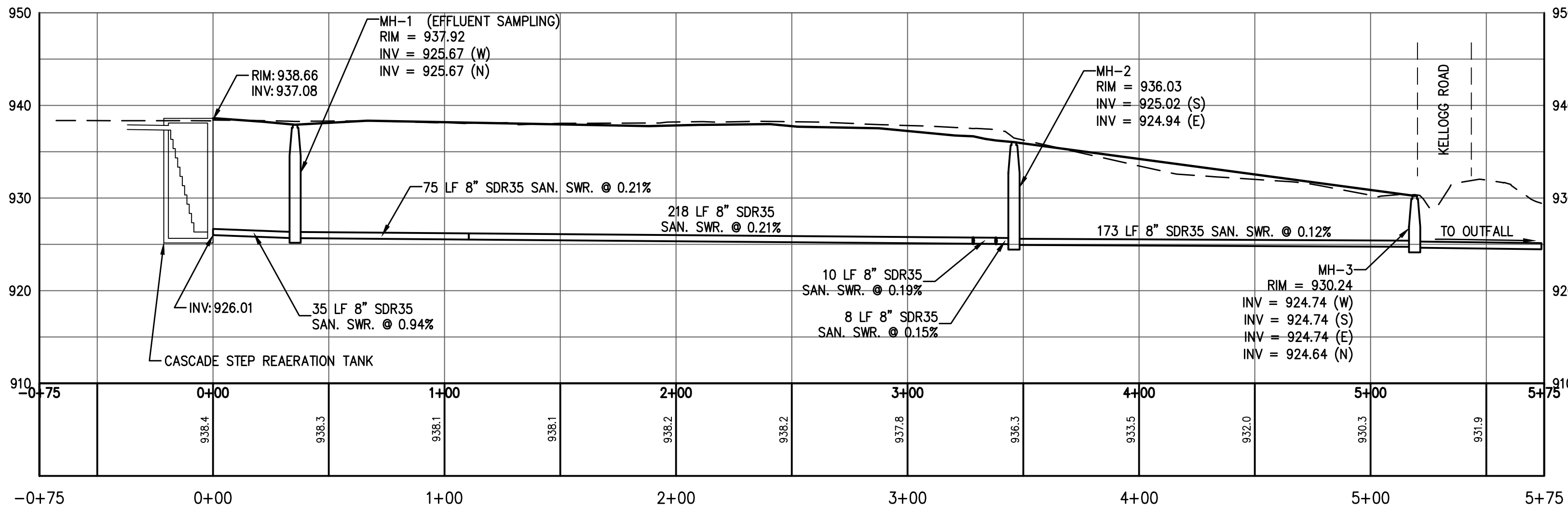
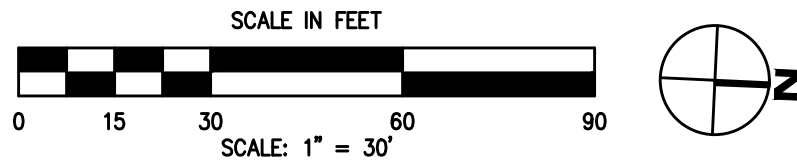
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2	8/15/18	NYSDEC COMMENTS	MCR
3	11/1/19	ISSUED FOR RE-BID	KAB
4			
5			
6			
7			

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1 **OUTFALL PLAN**
SCALE: 1"=30'



2 **OUTFALL PROFILE**
SCALE: HORIZ: 1"=40' - VERT: 1"=10'

DRAWN BY: MCR
CHECKED BY: PFM
DATE: JULY 2018
SCALE: AS SHOWN

#	DATE	DESCRIPTION OF REVISION
1	8/15/18	NYSEG COMMENTS
2	8/15/18	NYSEG COMMENTS
3	11/11/19	ISSUED FOR RE-BID
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5		
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BY: MCR
MCR
KAB

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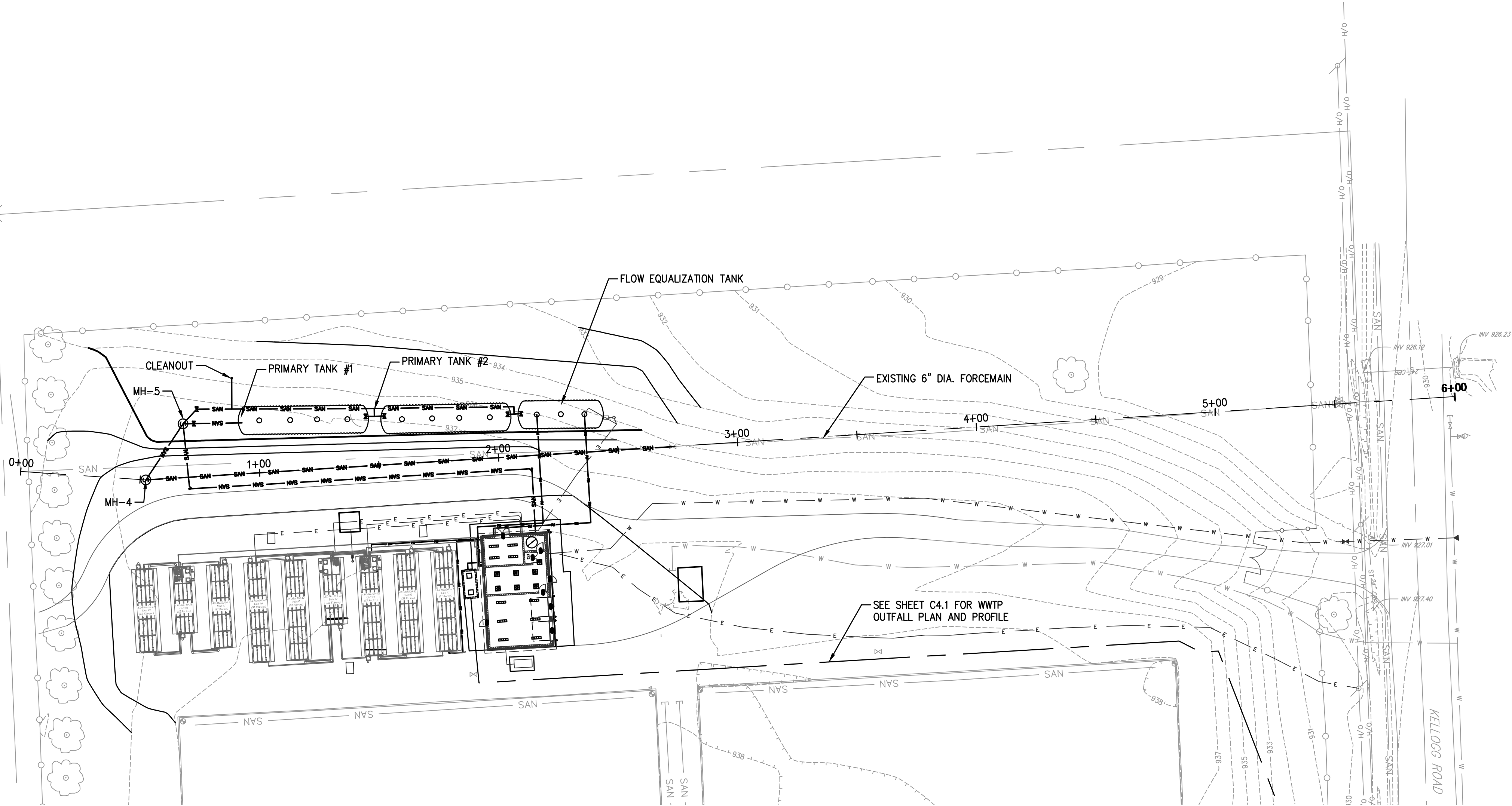
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Offices: Rochester | Ithaca | Towanda

SEWER OUTFALL PROFILE
WWTP AND COLLECTION
SYSTEM IMPROVEMENTS
TOWN OF SPRINGWATER, LIVINGSTON COUNTY, NEW YORK

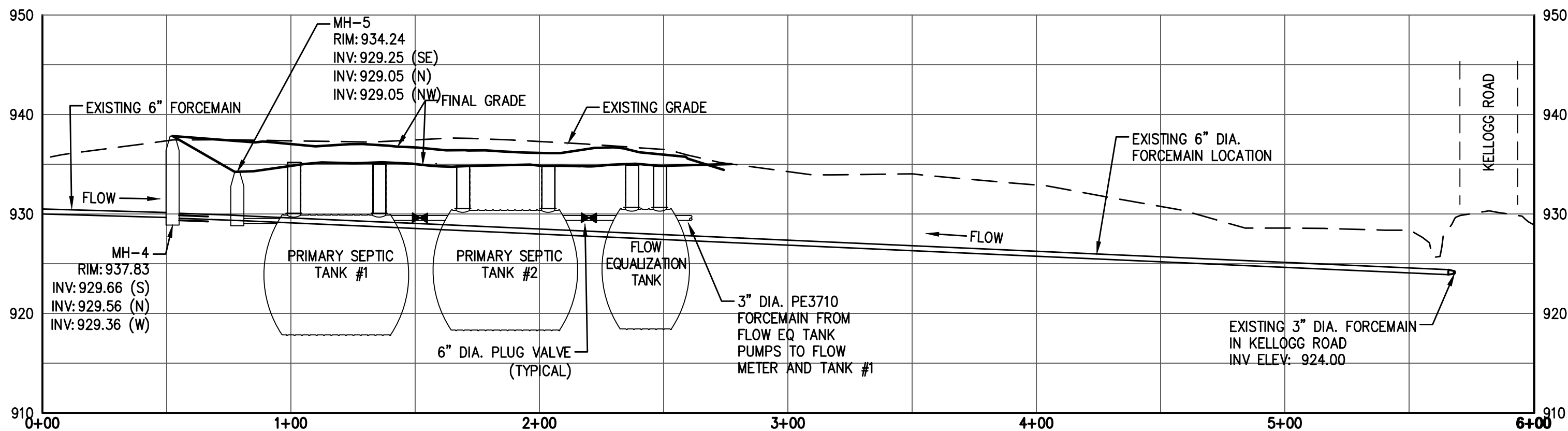
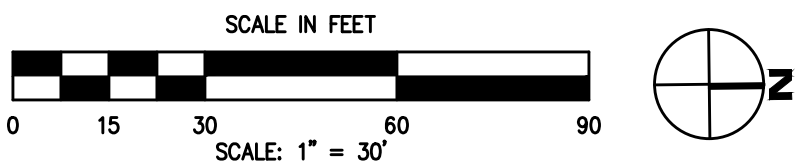
C4.1

PROJECT NO: 2629.017

AS-BUILT SET



1 PRIMARY TREATMENT PLAN
SCALE: 1"=30'



2 PRIMARY TREATMENT PROFILE
SCALE: HORIZ: 1"=40' - VERT: 1"=10'

DRAWN BY: MCR
CHECKED BY: PFM
DATE: JULY 2018
SCALE: AS SHOWN

#	DATE	DESCRIPTION OF REVISION
1	8/15/18	NYSECC COMMENTS
2	8/15/18	NYSECC COMMENTS
3	11/11/19	ISSUED FOR RE-BID
4		
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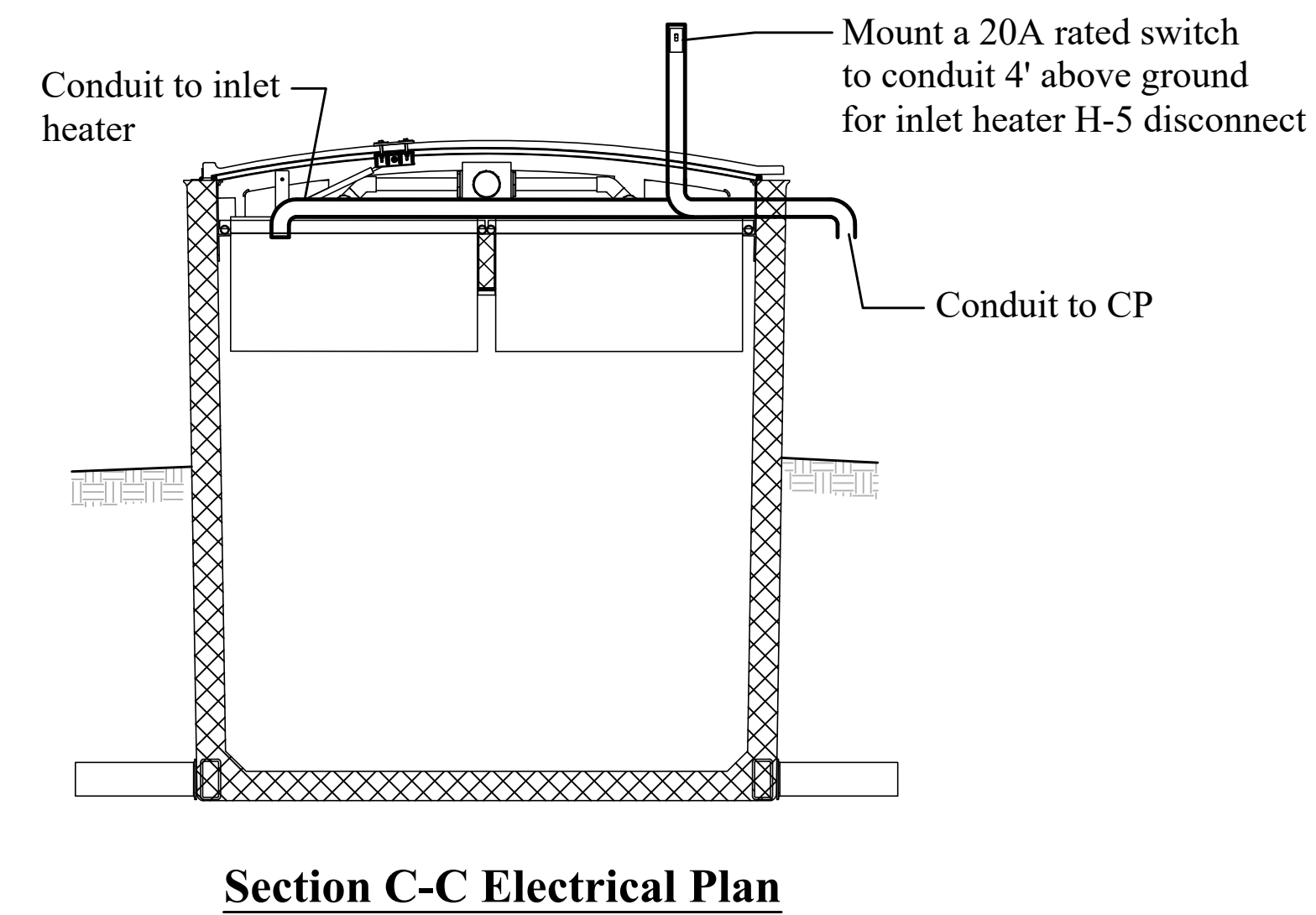
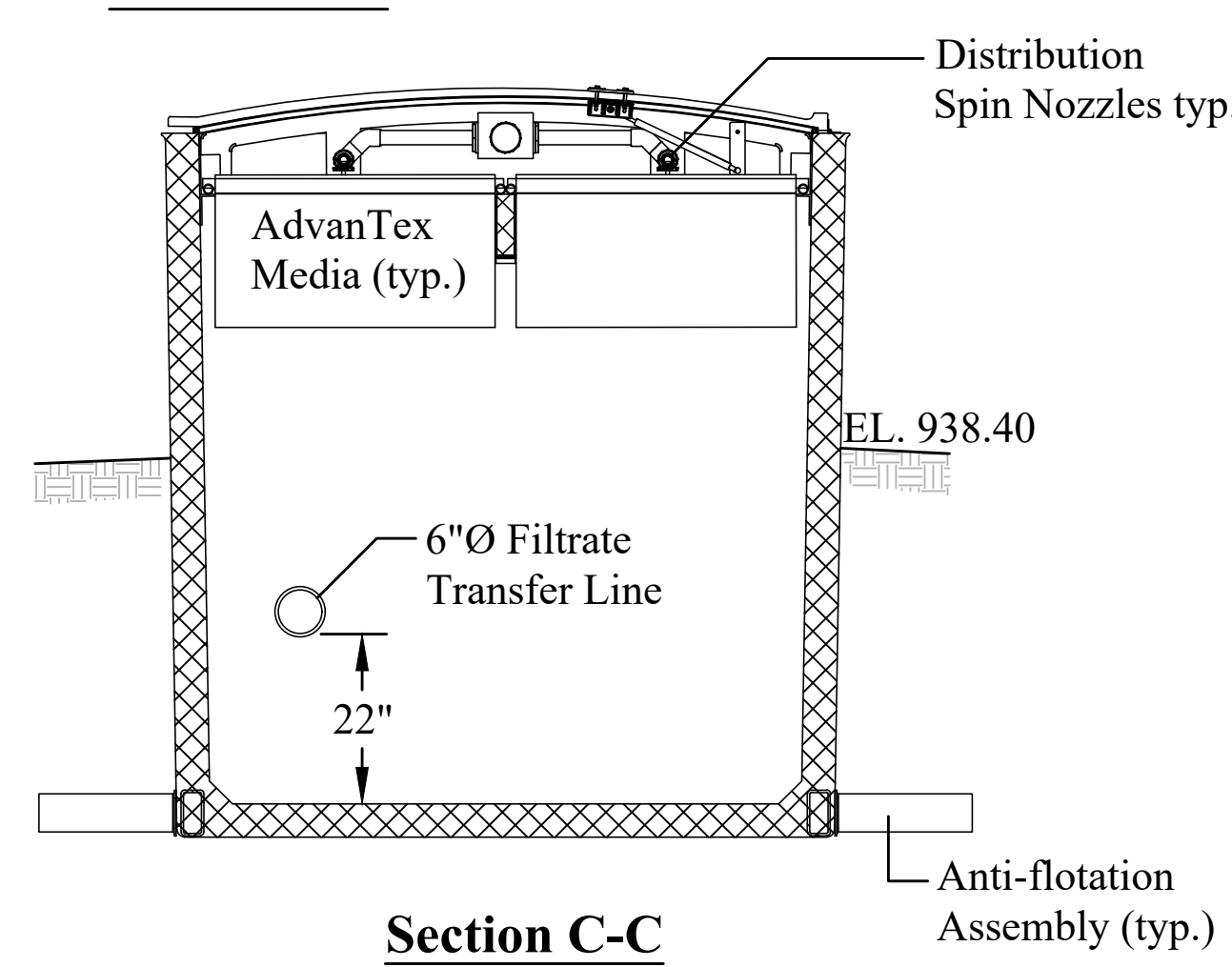
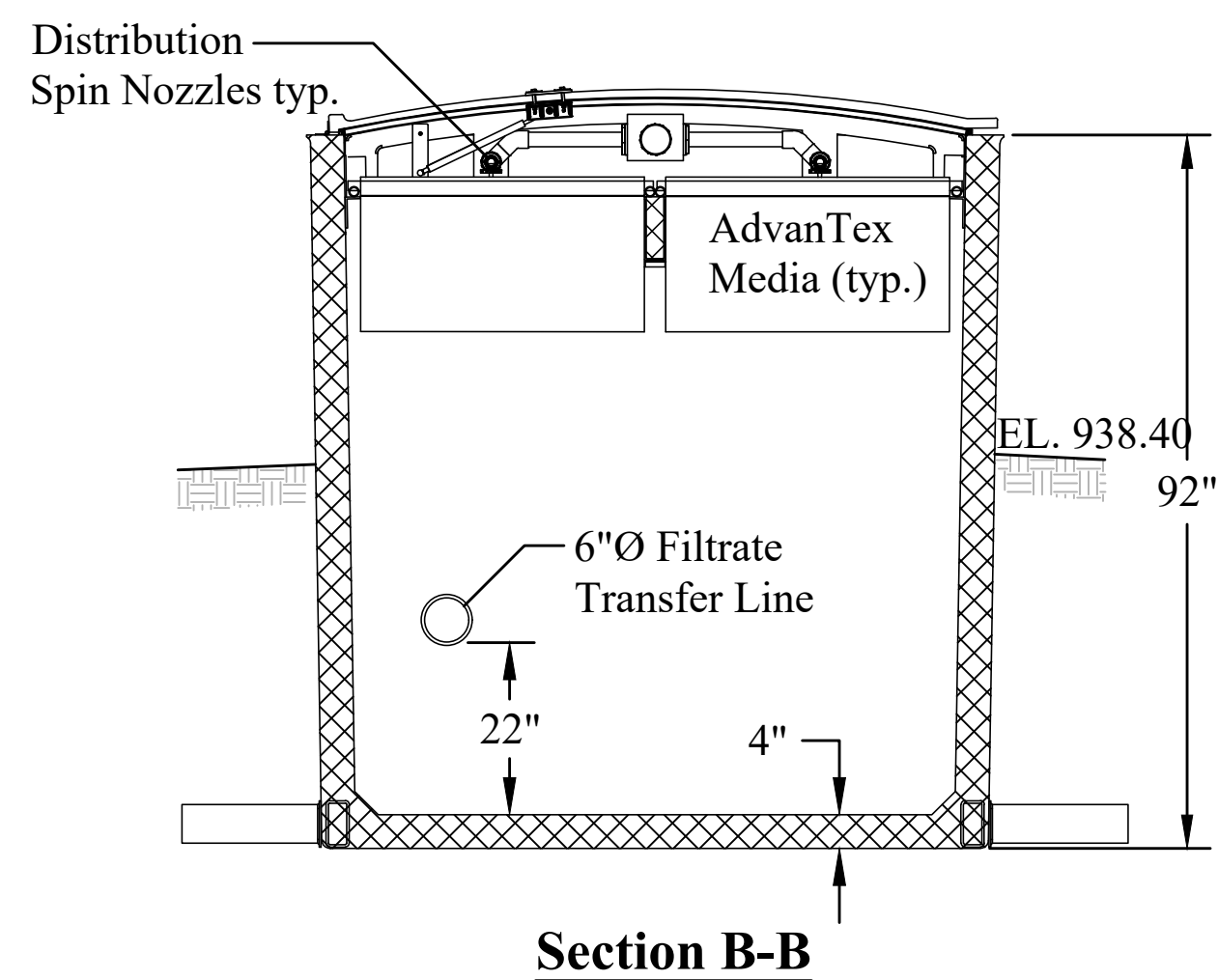
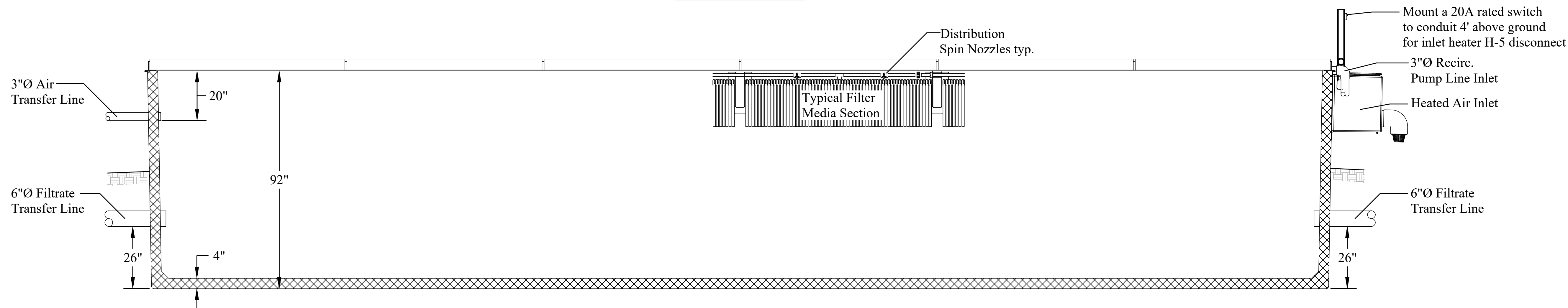
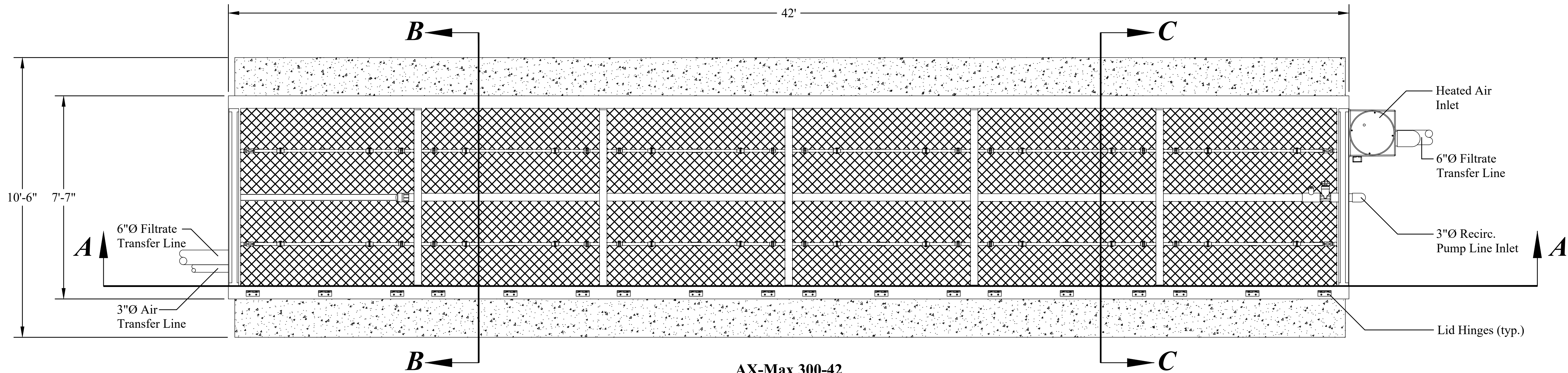
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PRIMARY TREATMENT PROFILE
WWTP AND COLLECTION
SYSTEM IMPROVEMENTS
TOWN OF SPRINGWATER, LIVINGSTON COUNTY, NEW YORK

C4.2

PROJECT NO: 2629.017



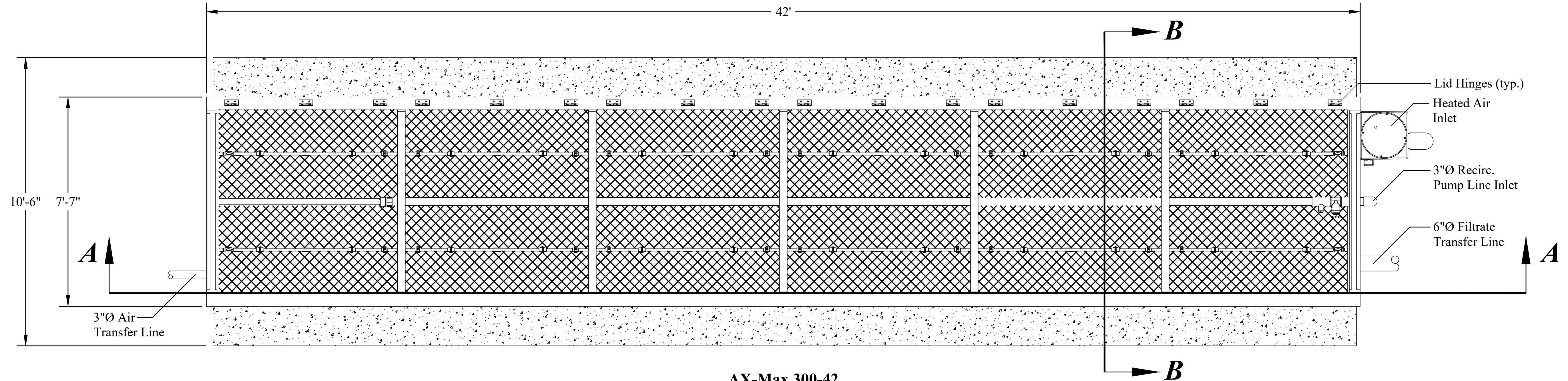
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DATE: JULY 2018			
SCALE: AS SHOWN			
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	MCR		
	KAB		
	KAB		
#	DATE:	DESCRIPTION OF REVISION:	Unauthorized Alteration Or Addition To Plans Bearing A Licensed Engineer's Or Architects Seal, Is A Violation Of Section 7209 Of The New York State Education Law.
1	9/15/18	NYSEEC COMMENTS	
2	9/15/18	NYSEEC COMMENTS	
3	11/11/19	ISSUED FOR RE-BID	
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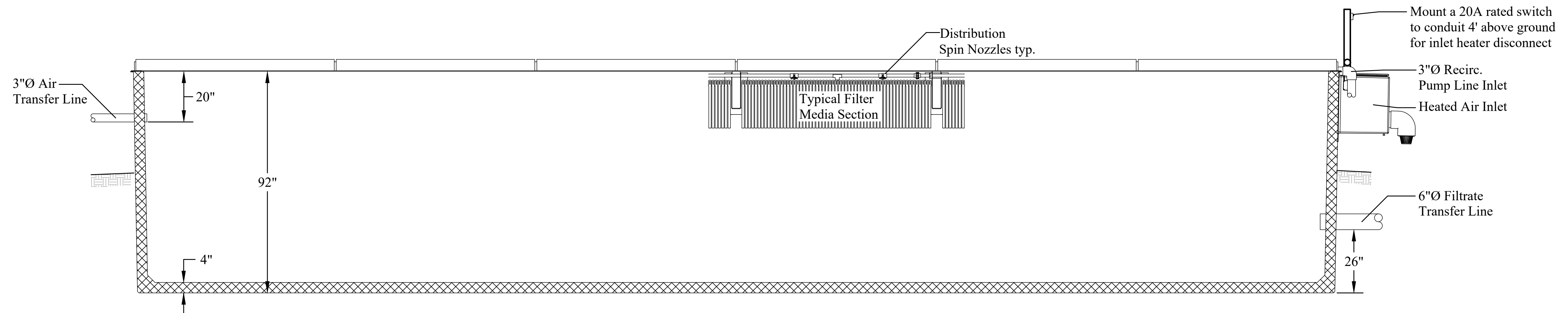
1ST STAGE UNIT #5 DETAIL
WWTP AND COLLECTION
SYSTEM IMPROVEMENTS
TOWN OF SPRINGWATER, LIVINGSTON COUNTY, NEW YORK

C6.10
PROJECT NO: 2629.017

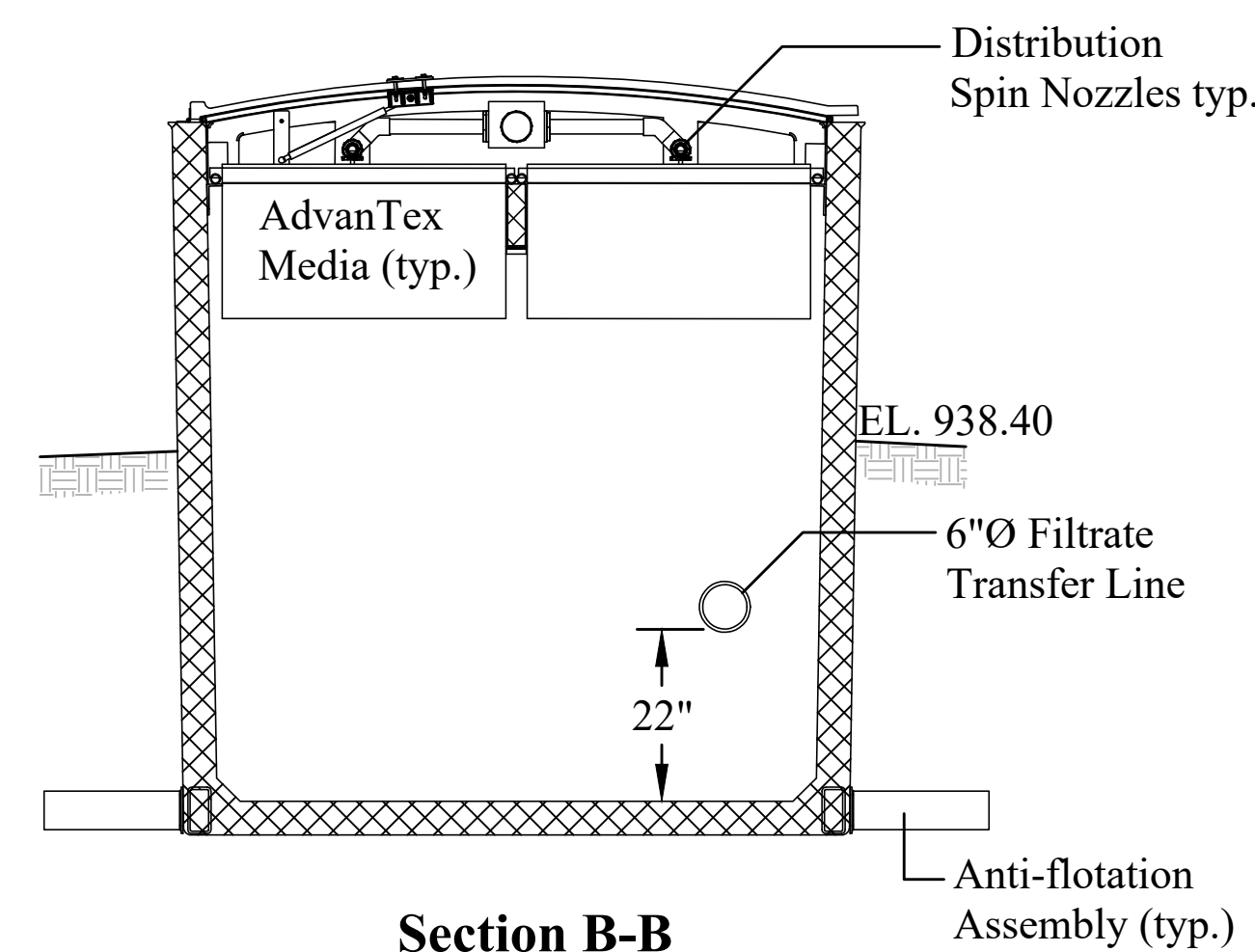
AS-BUILT SET



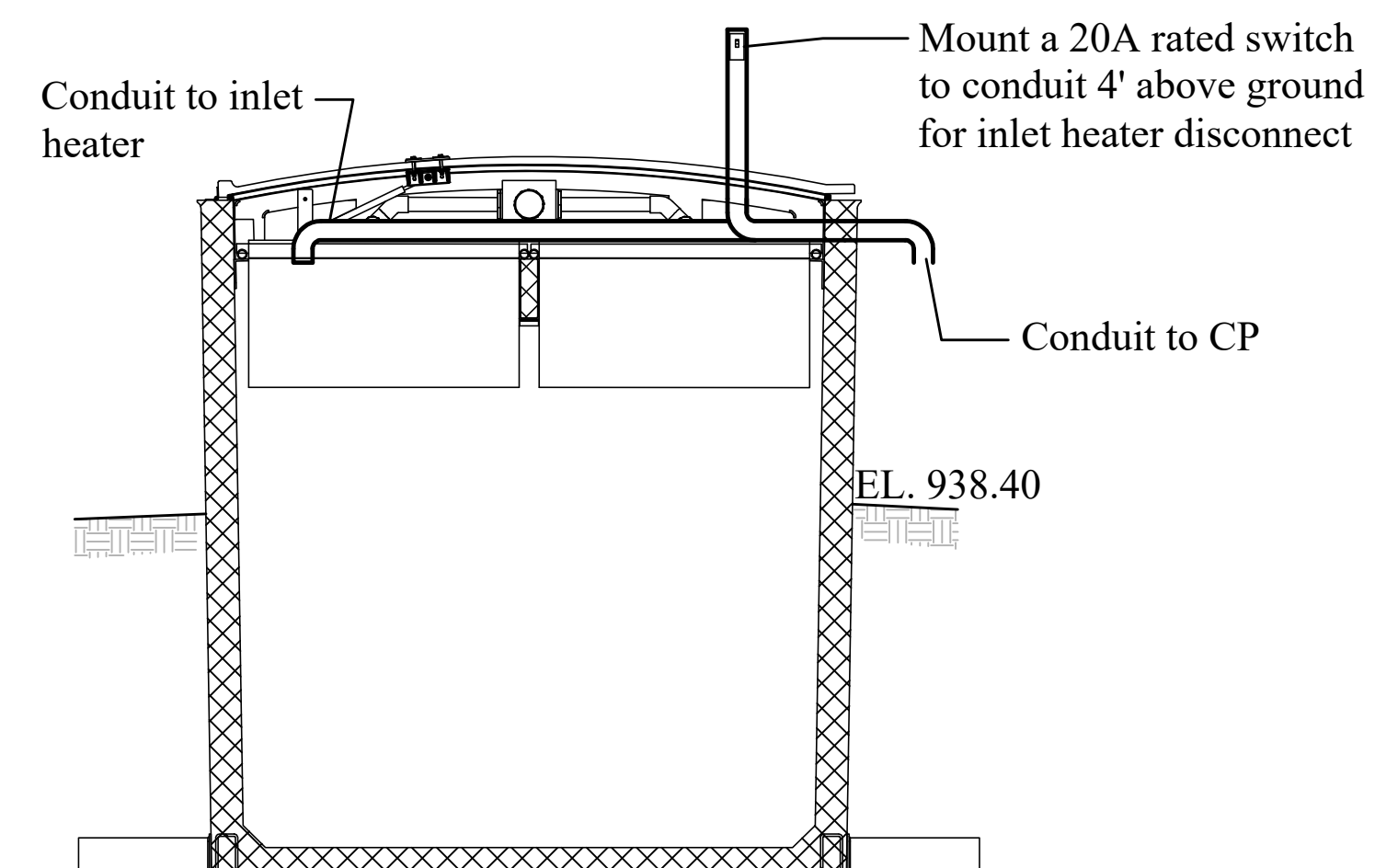
**AX-Max 300-42
Unit #6 Plan View**



Section A-A



Section B-B



Section B-B Electrical Plan

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DATE: JULY 2018			
SCALE: AS SHOWN			
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	2	9/15/18	MCR
	3	11/11/19	KAB
	4	ISSUED FOR RE-BID	
	5		
	6		
	7		
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1ST STAGE UNIT #6 DETAIL
WWTP AND COLLECTION
SYSTEM IMPROVEMENTS
 TOWN OF SPRINGWATER, LIVINGSTON COUNTY, NEW YORK

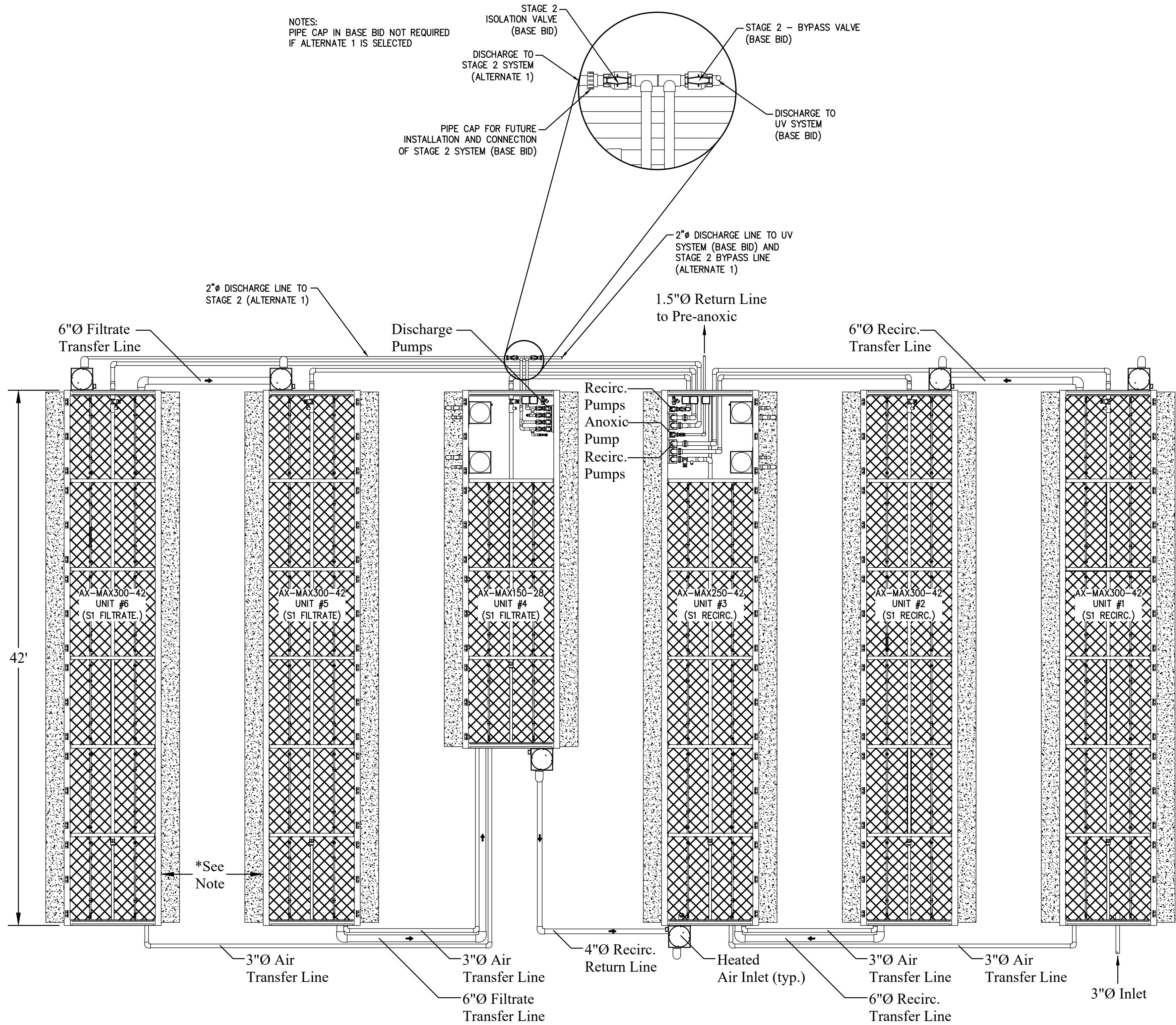
C6.11
 PROJECT NO: 2629.017

AS-BUILT SET

1

ORENCO AX-MAX ADVANTEX TREATMENT SYSTEM (OR EQUAL) - PLAN VIEW

SCALE: NOT TO SCALE



FIXED FILM SYSTEM - PLAN VIEW

WWTP AND COLLECTION
SYSTEM IMPROVEMENTS

TOWN OF SPRINGWATER, LIVINGSTON COUNTY, NEW YORK

C6.4

AS-BUILT SET

PROJECT NO: 2629.017

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Office: Rochester | Horseheads | Towanda

DATE DESCRIPTION OF REVISION

1 8/15/18 NYSEC COMMENTS

2 8/15/18 NYSEC COMMENTS

3 11/11/19 ISSUED FOR RE-BID

4

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6

7

DRAWN BY: MCR

CHECKED BY: PFM

DATE: JULY 2018

SCALE: AS SHOWN

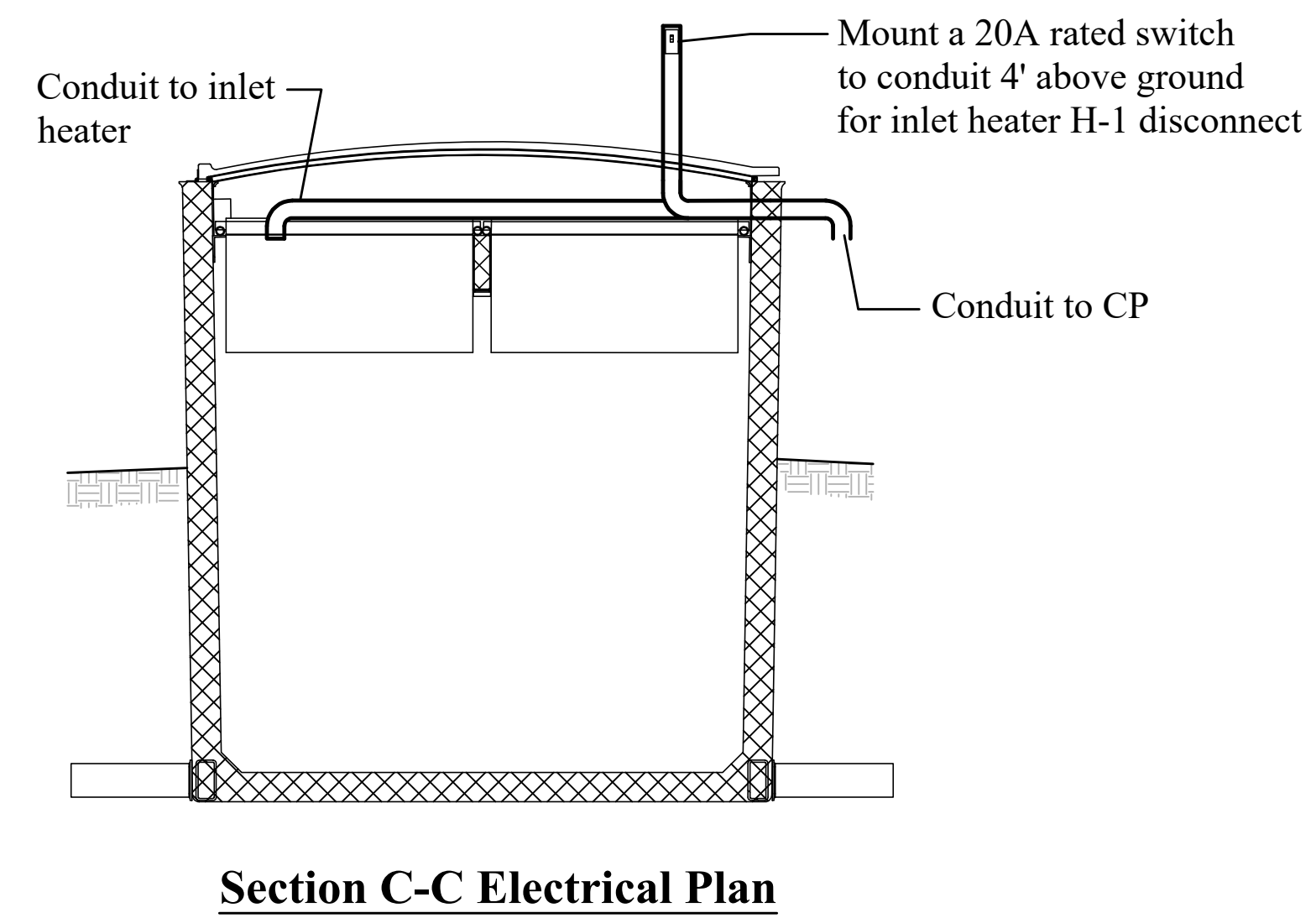
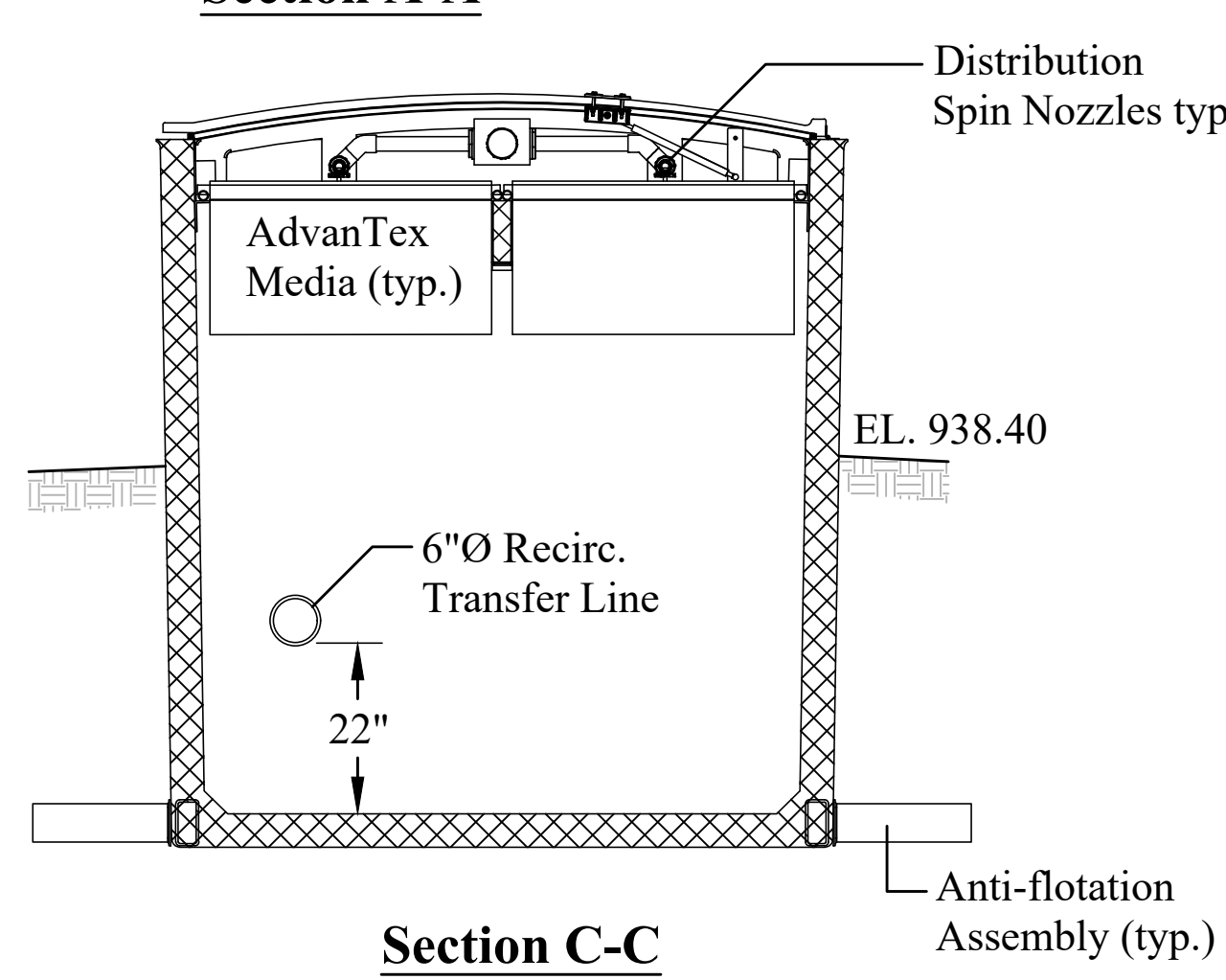
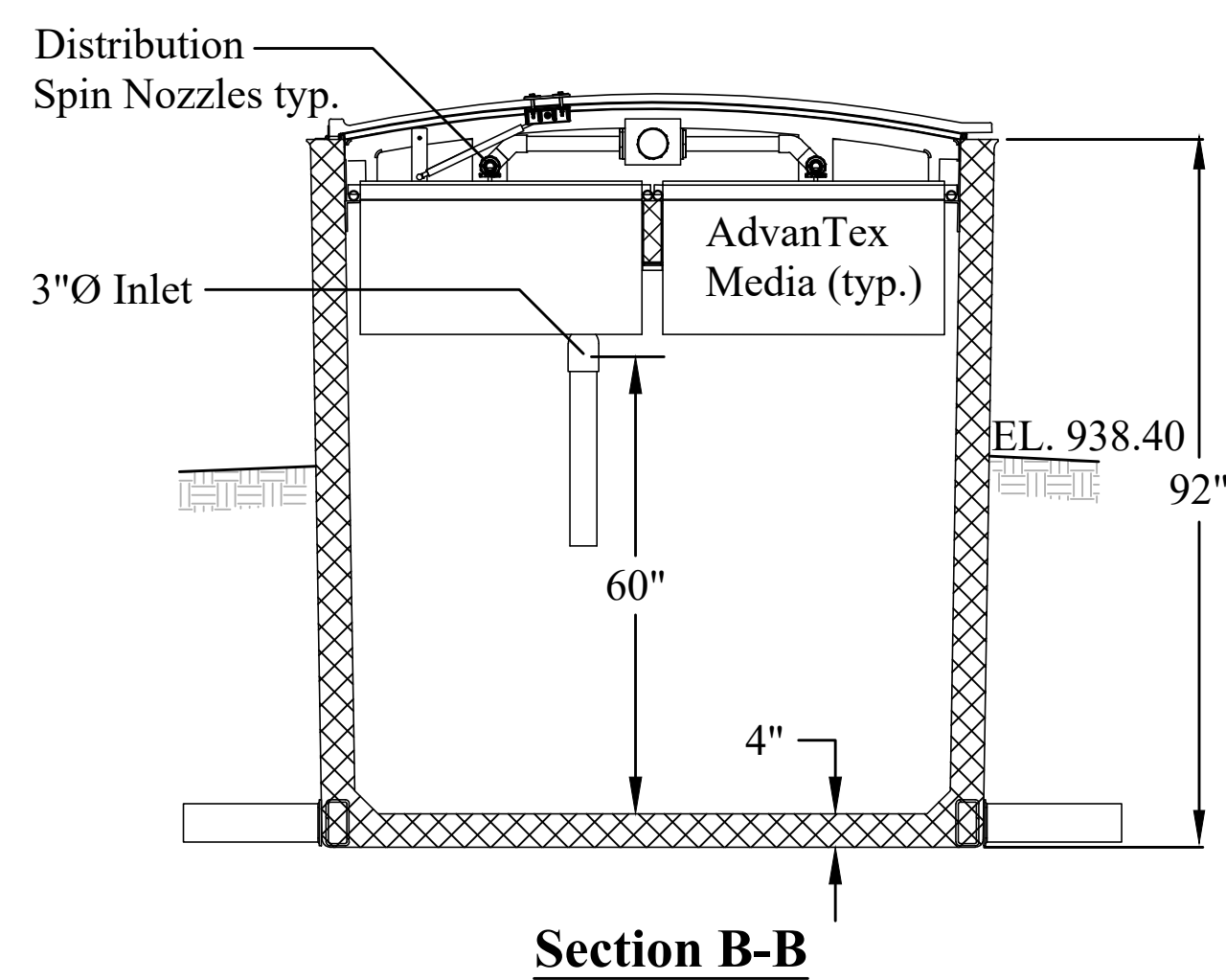
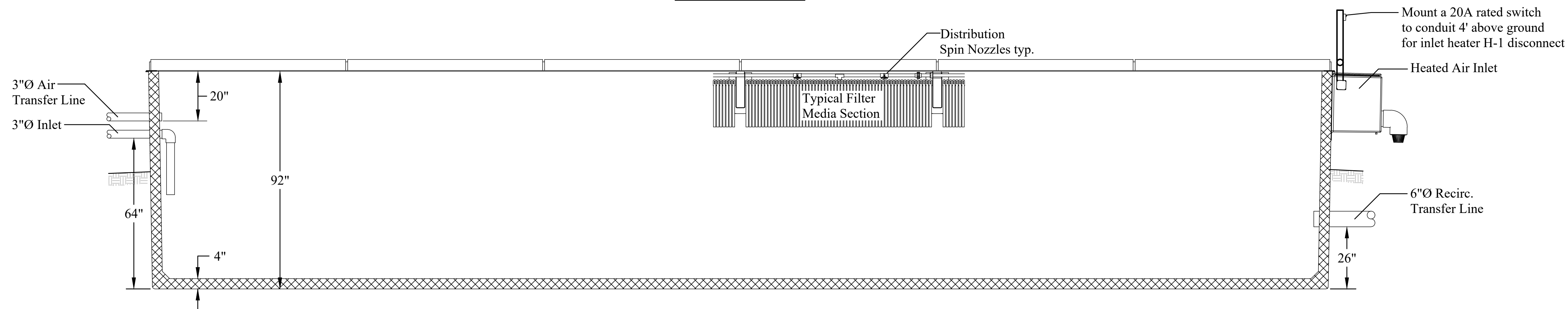
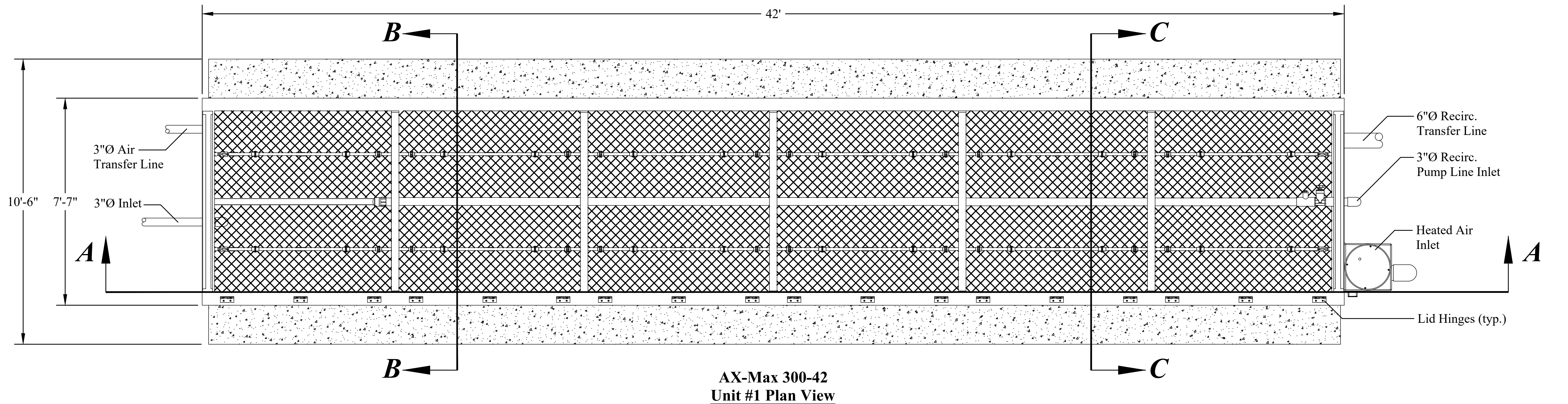
BY: MCR

MCR

KAB

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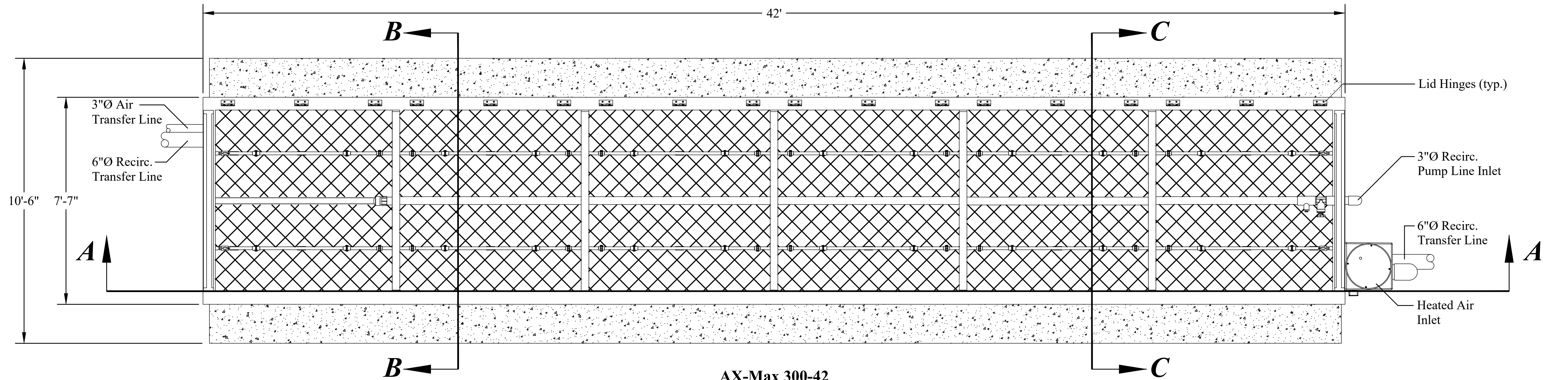
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CHECKED BY: PFM	
DATE: JULY 2018	
SCALE: AS SHOWN	
BY:	MCR
	MCR
	KAB
DATE:	8/15/18
DESCRIPTION OF REVISION:	NYSEC COMMENTS
1	8/15/18
2	8/15/18
3	11/11/19
4	ISSUED FOR RE-BID
5	
6	
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Office: Rochester, Horseheads, Towanda

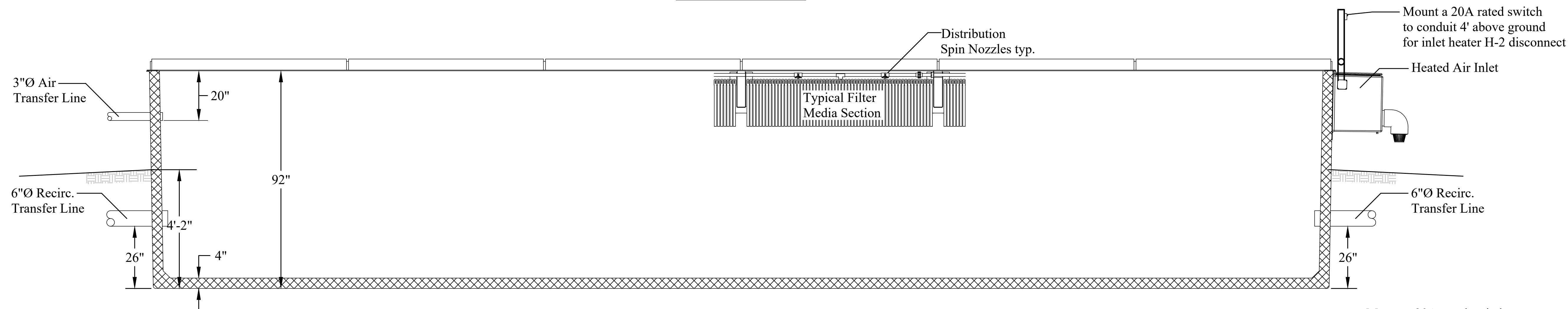
1ST STAGE UNIT #1 DETAIL
WWTP AND COLLECTION
SYSTEM IMPROVEMENTS
TOWN OF SPRINGWATER, LIVINGSTON COUNTY, NEW YORK

C6.6
PROJECT NO: 2629.017

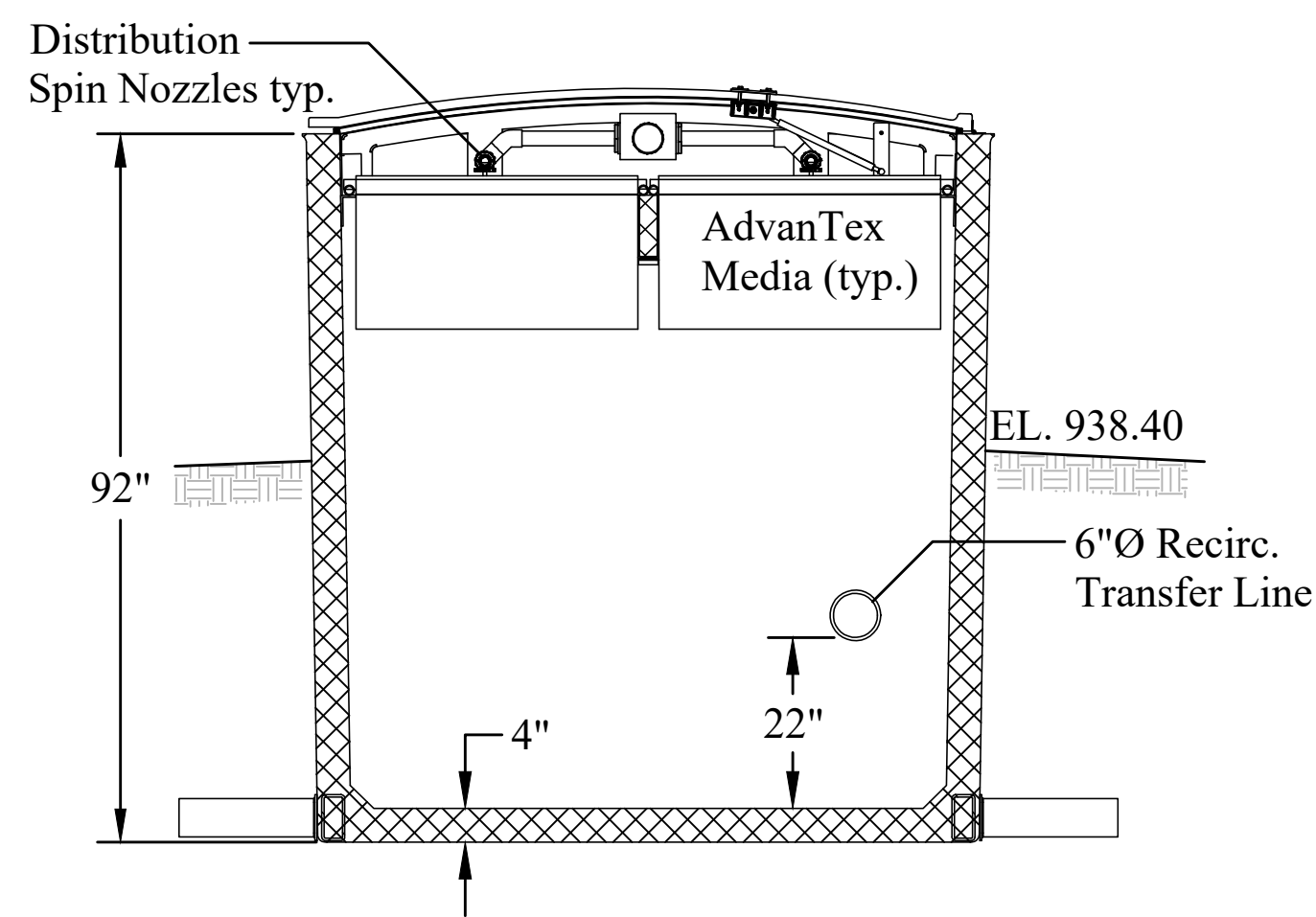
AS-BUILT SET



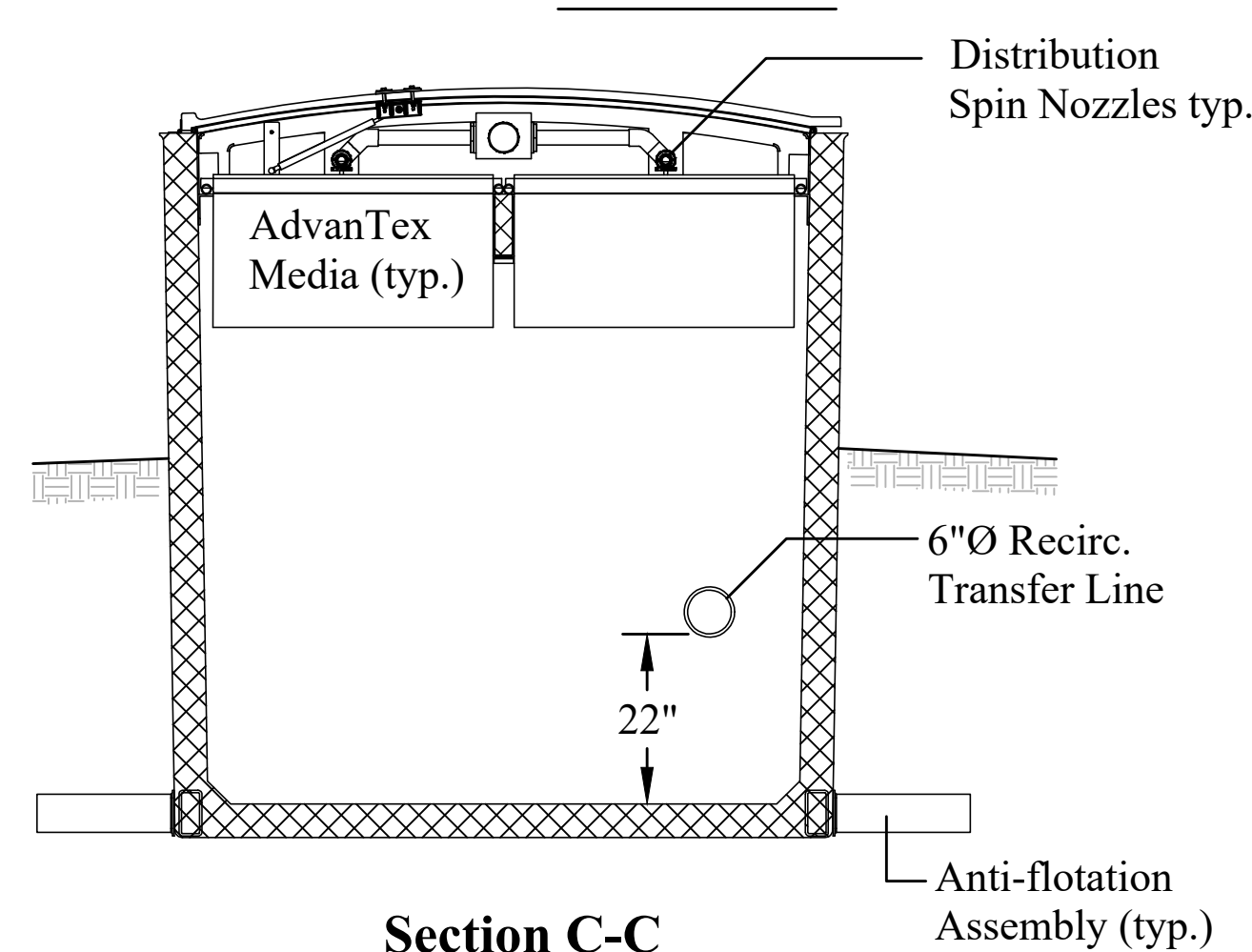
AX-Max 300-42
Unit #2 Plan View



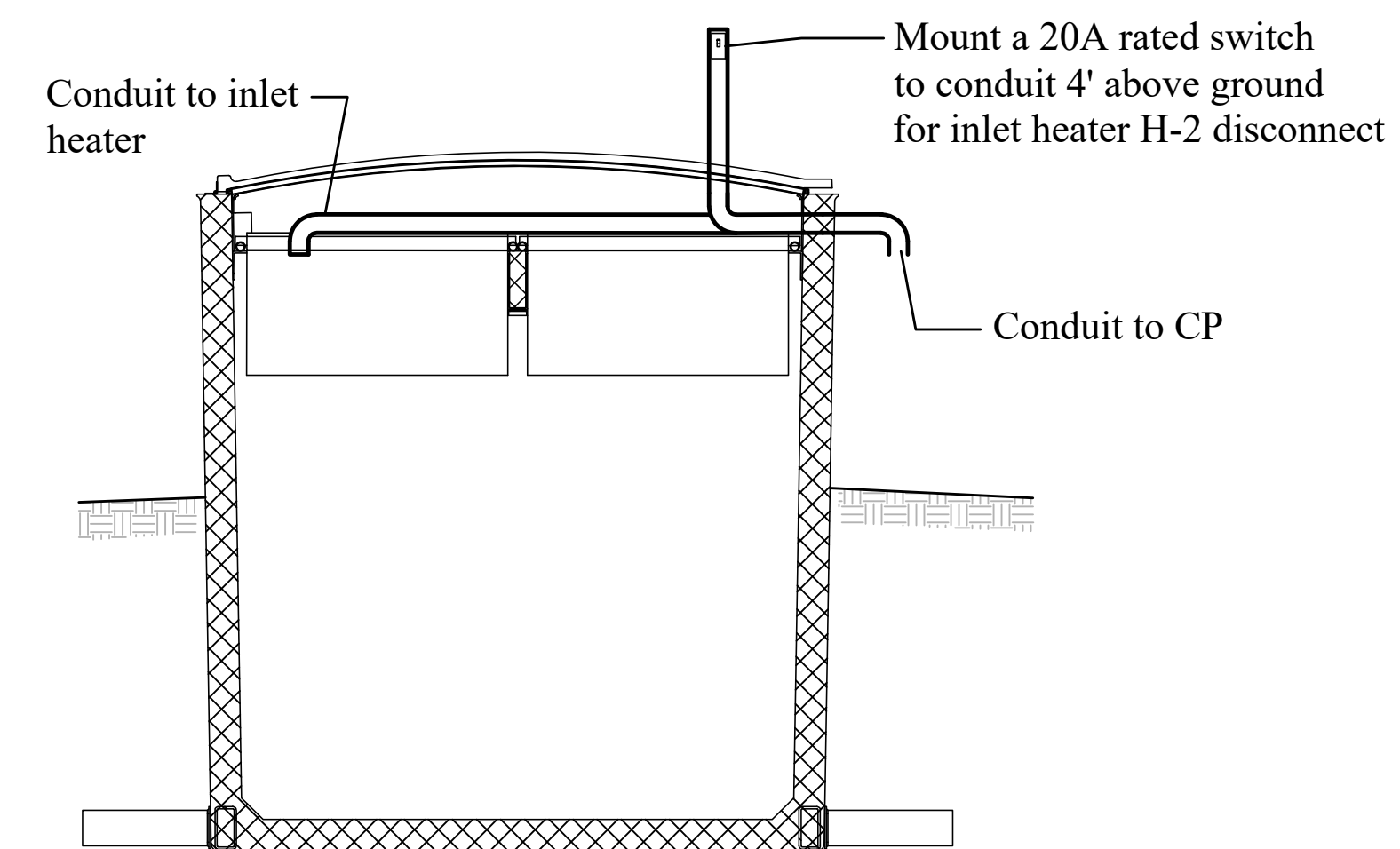
Section A-A



Section B-B



Section C-C



Section C-C Electrical Plan

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CHECKED BY: PFM			
DATE: JULY 2018			
SCALE: AS SHOWN			
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1	9/15/18	NYSECC COMMENTS	MCR
2	9/15/18	NYSECC COMMENTS	MCR
3	11/11/19	ISSUED FOR RE-BID	KAB
4			
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Unauthorized Alteration Or Addition To Plans Bearing A Licensed Engineer's Or Architects Seal, Is A Violation Of Section 7209 Of The New York State Education Law.

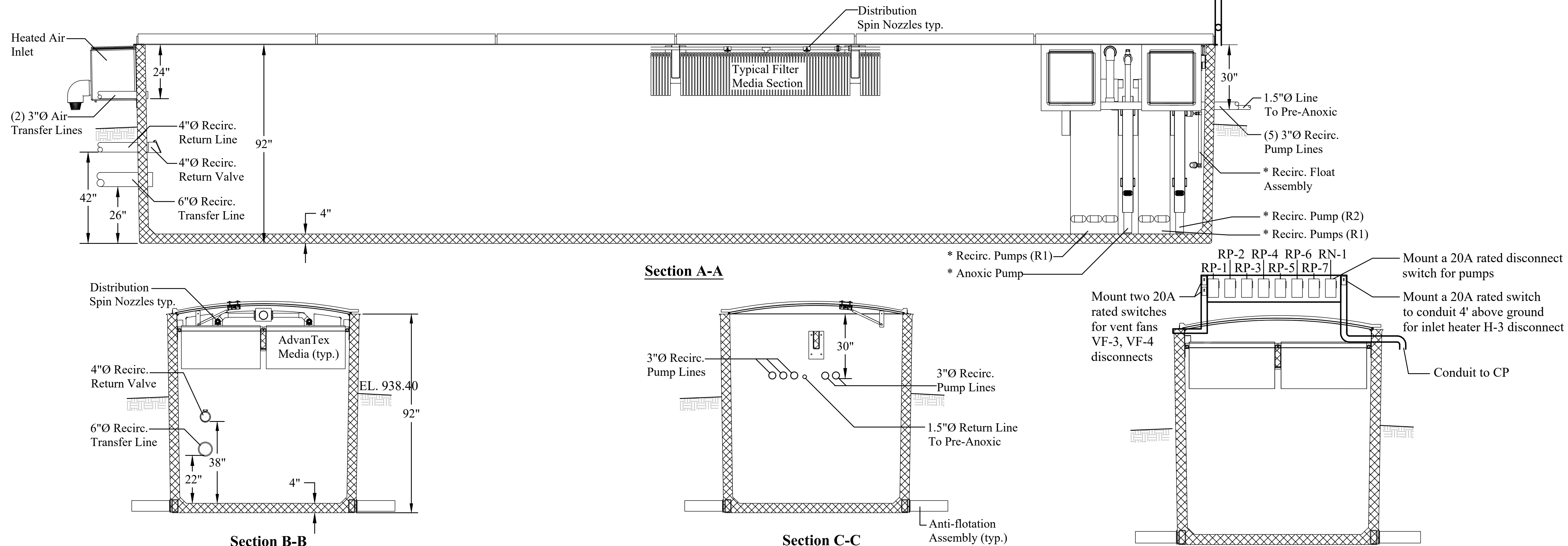
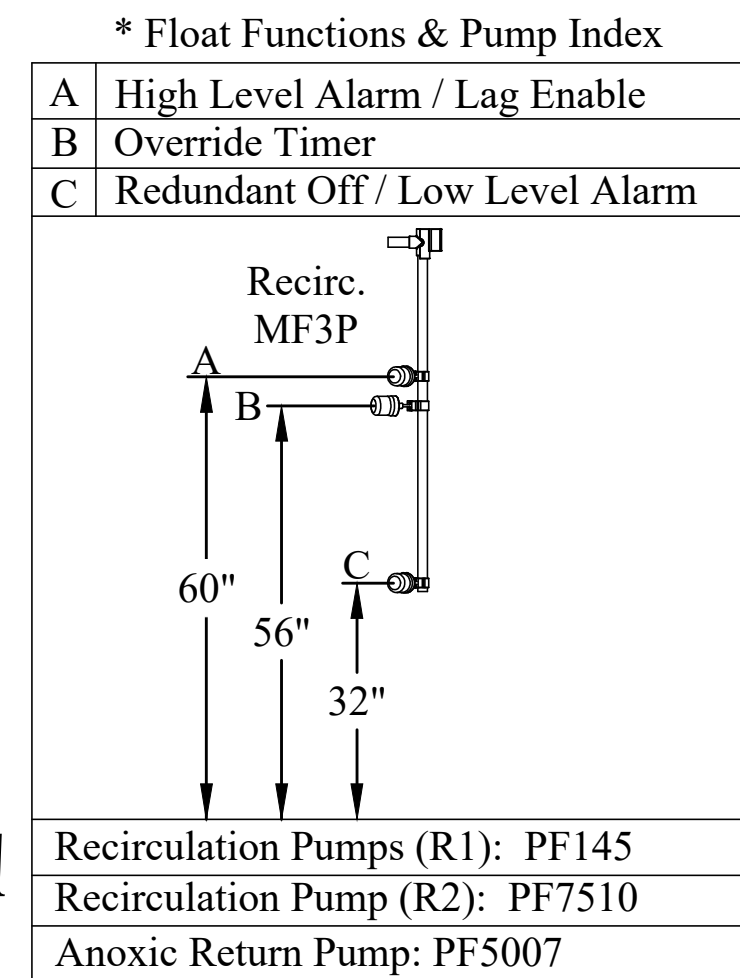
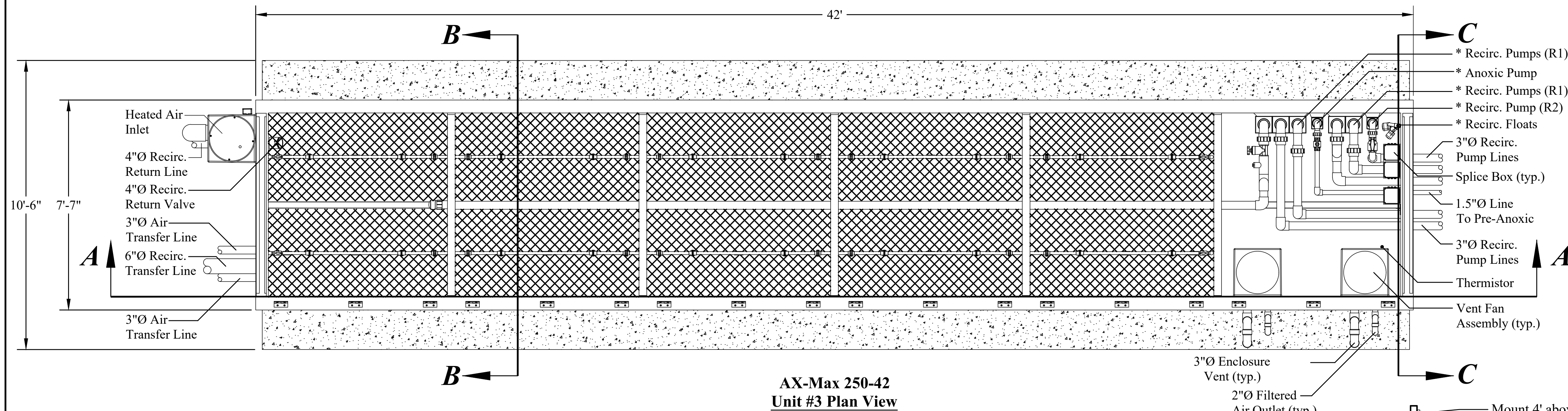
HUNT ENGINEERS | ARCHITECTS | SURVEYORS
100 Hunt Center, Horseheads, New York 14845 P: 607-358-1000 F: 607-358-1800
Office: Rochester, Horseheads, Towanda

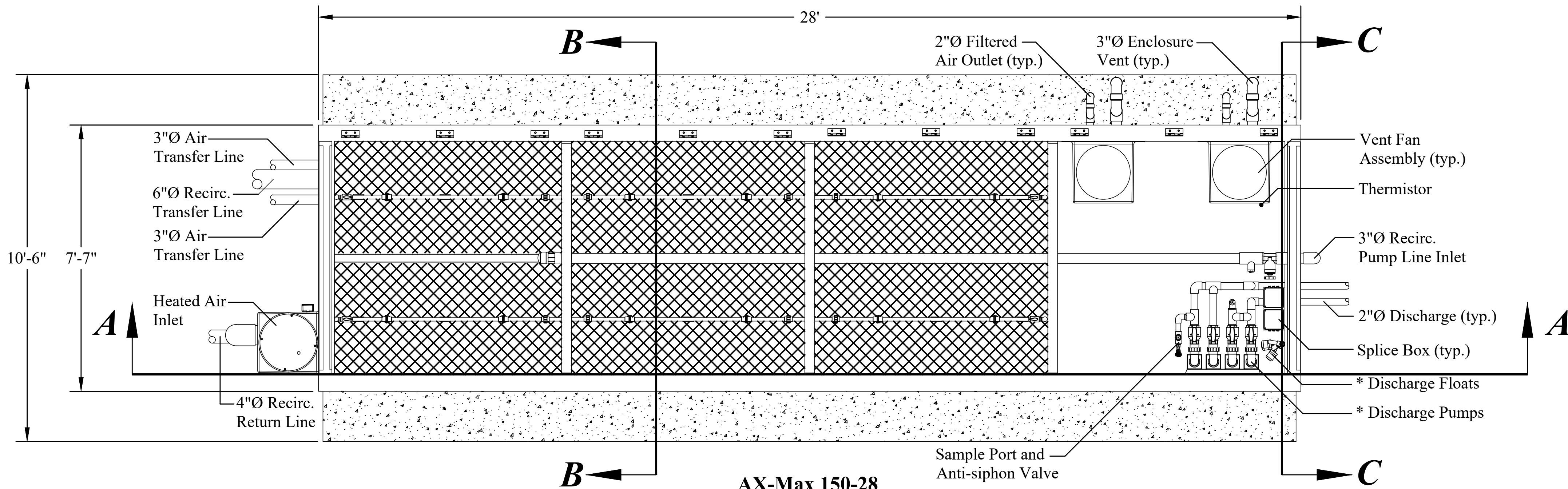
1ST STAGE UNIT #2 DETAIL
WWTP AND COLLECTION
SYSTEM IMPROVEMENTS
TOWN OF SPRINGWATER, LIVINGSTON COUNTY, NEW YORK

C6.7

PROJECT NO: 2629.017

AS-BUILT SET

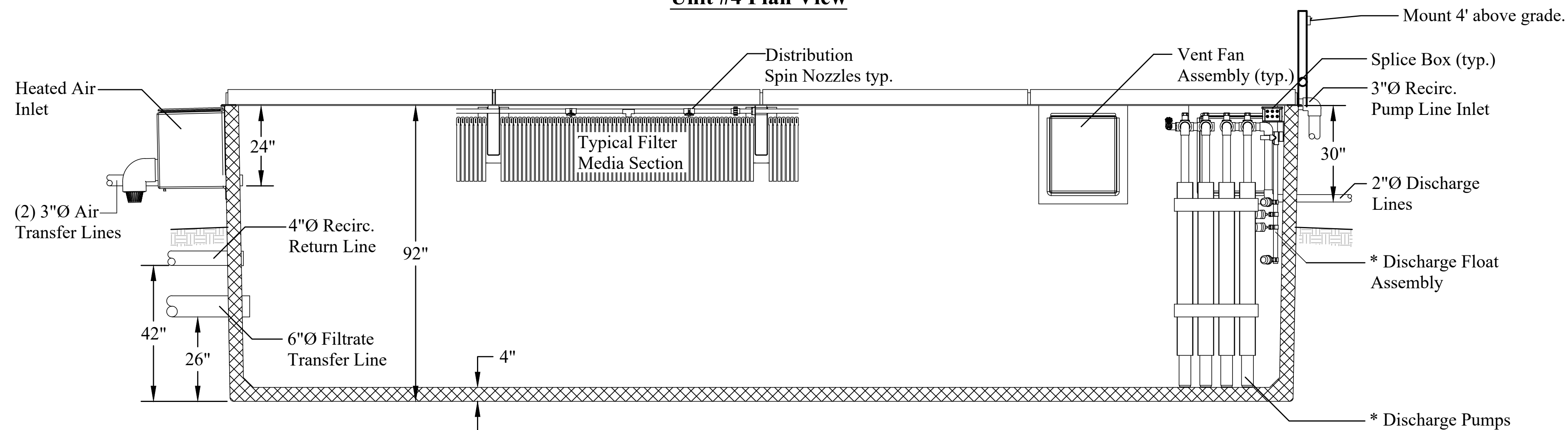
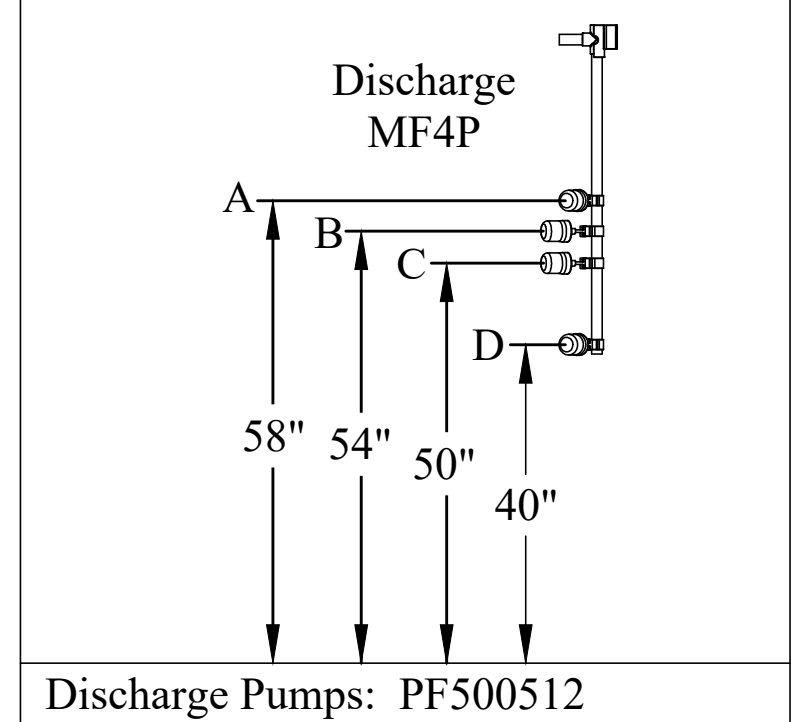




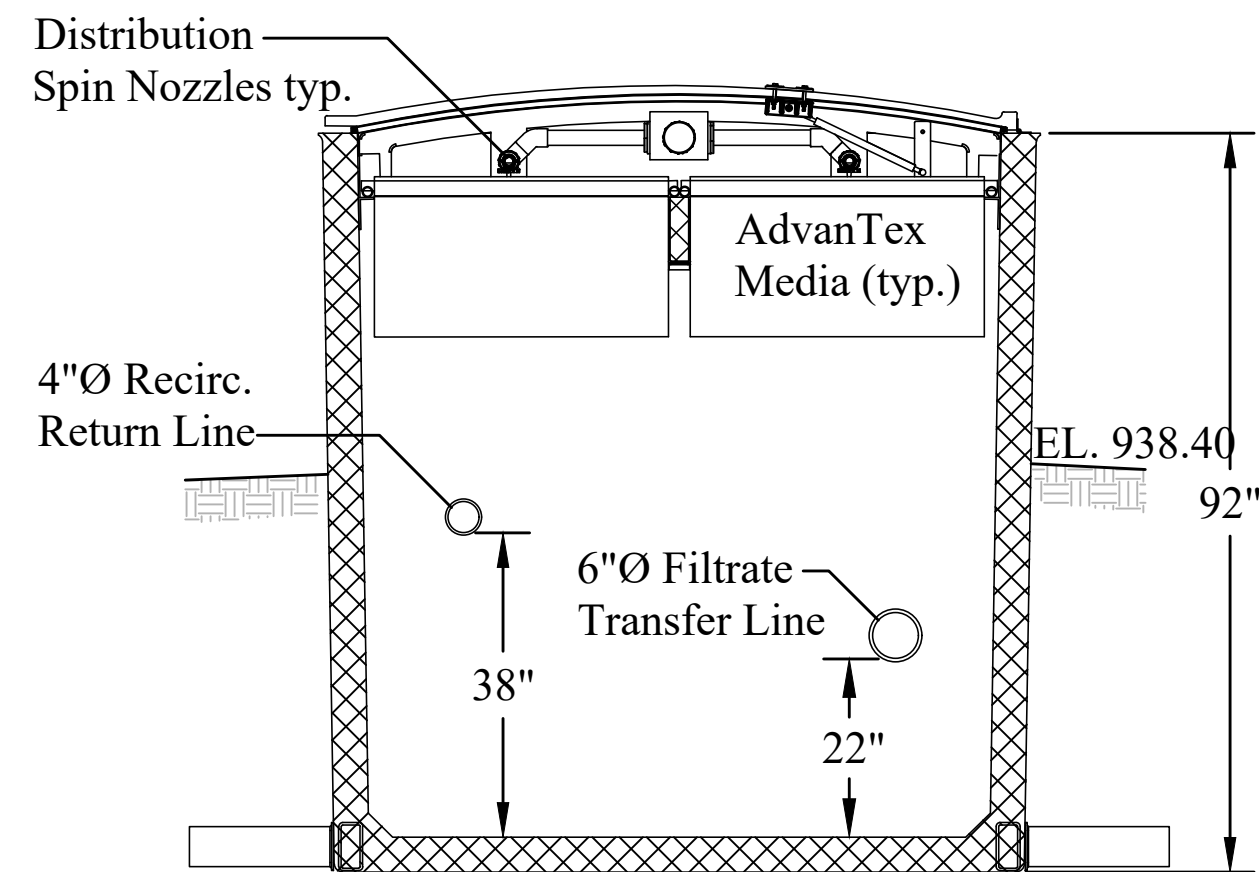
**AX-Max 150-28
Unit #4 Plan View**

*** Float Functions & Pump Index**

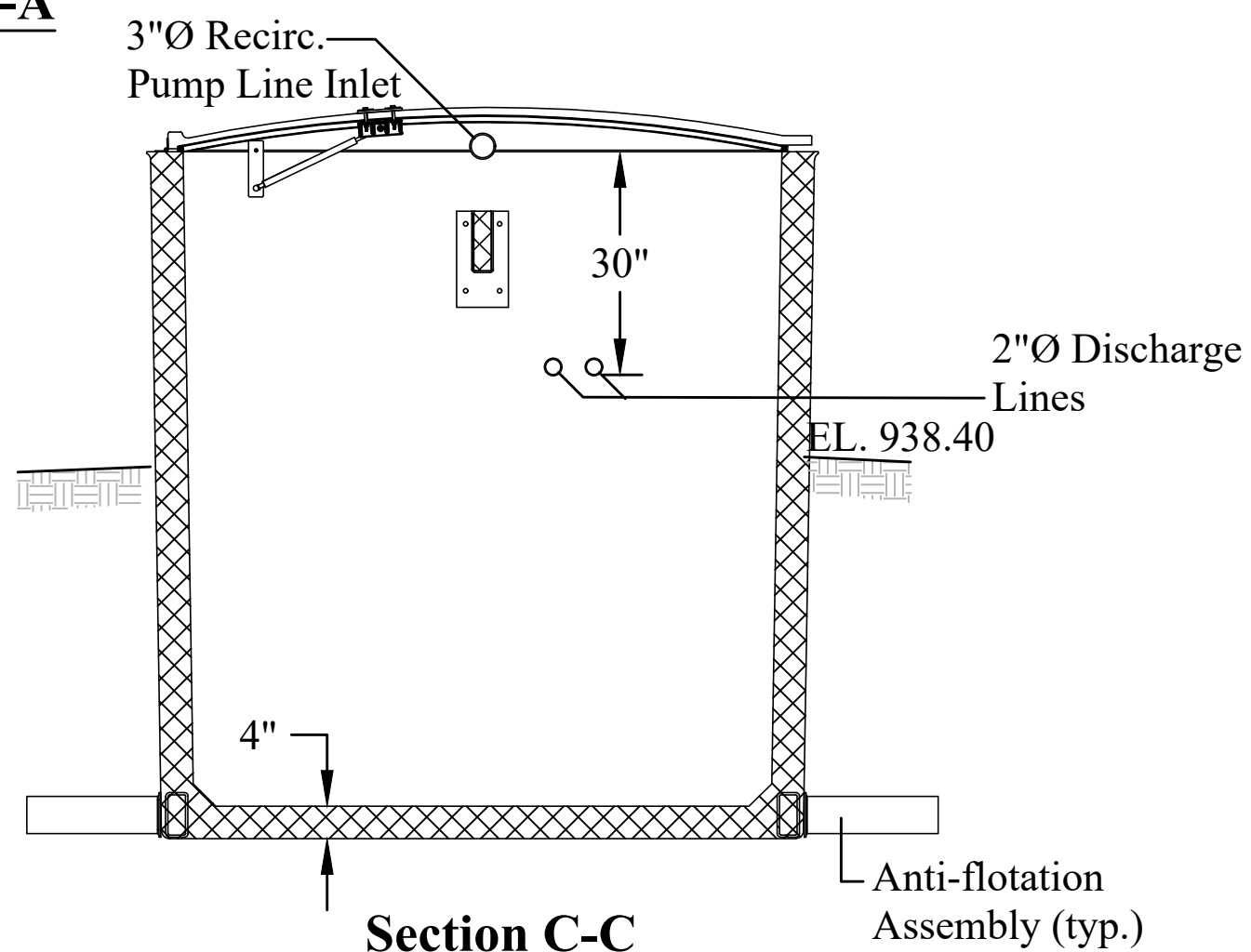
A	High Level Alarm / Lag Enable
B	Override Timer
C	Timer ON/OFF
D	Redundant Off / Low Level Alarm



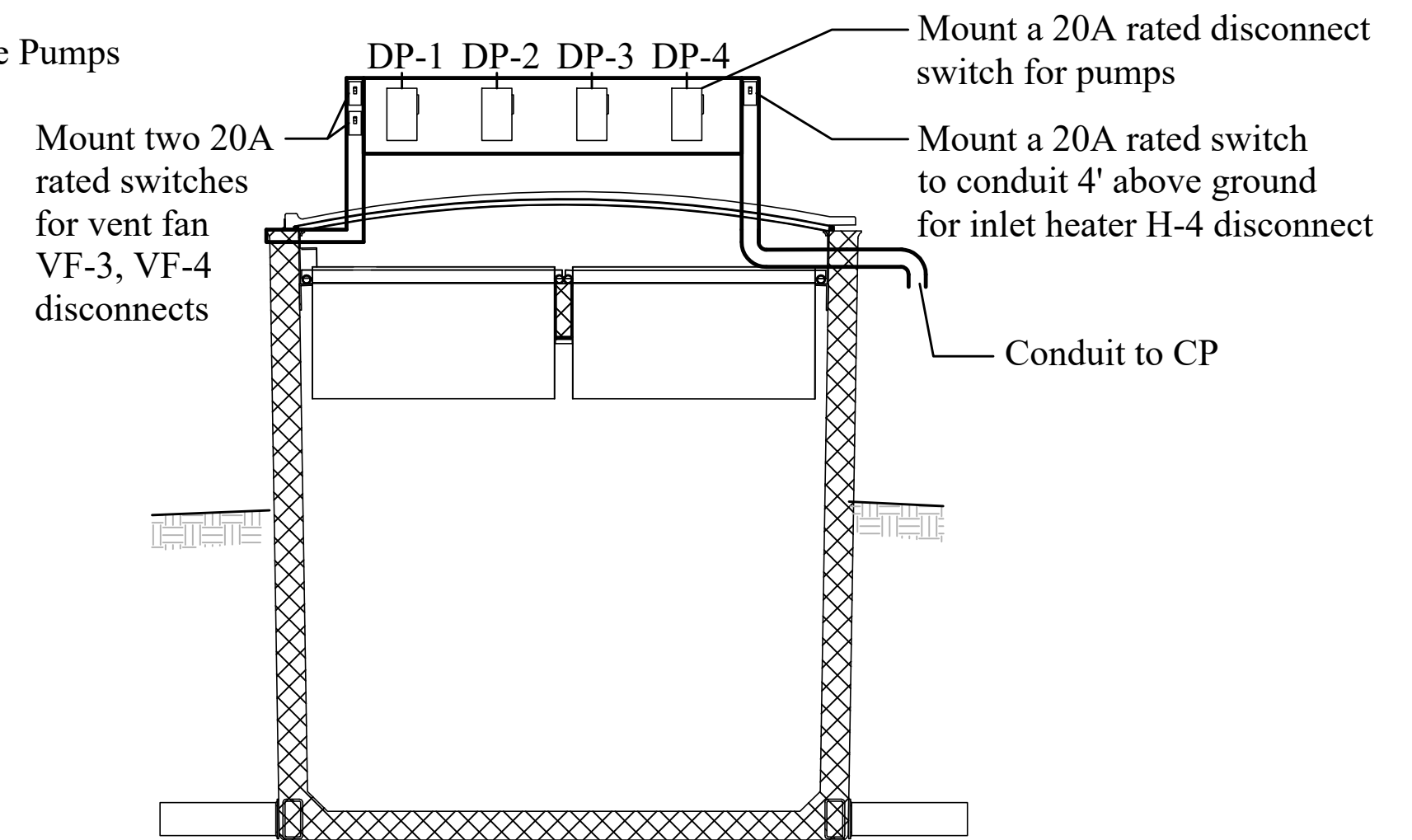
Section A-A



Section B-B



Section C-C



Section C-C Electrical Plan

DATE:	DESCRIPTION OF REVISION:	BY:	CHECKED BY:	DATE:	SCALE:	Copyright:
8/15/18	NYSEFC COMMENTS	MCR	PFM	JULY 2018	AS SHOWN	2018
9/15/18	NYSEFC COMMENTS	MCR				
11/11/19	ISSUED FOR RE-BID	KAB				
1						
2						
3						
4						
5						
6						
7						

HUNT ENGINEERS | ARCHITECTS | SURVEYORS
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1ST STAGE UNIT #4 DETAIL
WWTP AND COLLECTION
SYSTEM IMPROVEMENTS
TOWN OF SPRINGWATER, LIVINGSTON COUNTY, NEW YORK

C6.9
PROJECT NO: 2629.017

AS-BUILT SET