

Phone: (931) 839-2350 Fax: (931) 839-6380

May 17, 2017

Mr. George C. Garden, P.E. BCEE/ Chief Engineer Division of Water Resources 11th Floor, William R. Snodgrass TN Tower 312 Rosa L. Parks Avenue Nashville, TN 37243-1102

RE:

Genesis Village Waste Water System

Cumberland County, Tennessee

CED Job No. D-159

Dear Mr. Garden:

I appreciate your visit to my office on May 12, 2017 with your two associates. It is also helpful that you shared your half sized set of Plans marked with your concerns and shared verbally your mark-ups..

We have completed our revisions to the Plans based on the above comments. Please find attached two copies of the latest revision of these Plans 24"x36". I understand why you were having a problem with reading the half sized set. As I told you, we only work with 24"x36" sized sheets which have a readable sized notes and details. We make a commitment that any client who pays for a job will receive a sufficient number of copies of the full sized plans to operate the project. In the future the client can also request replacement sets of Plans.

These revised as-builts have the signature of Tim Huddleston as the operator and contractor verifying the correctness as provided to C E DESIGNERS, INC.

On Sheet 2 of the Plans, revisions have been made to reflect actual construction and to add clarity for the reader. Your notes were very helpful.

On Sheet 3 of the Plans, flow directional arrows were added to the Bioclere Section view for clarity.

Mr. George C. Garden, P.E. BCEE/ Chief Engineer May 17, 2017
Page 2

Responding to your comments on Sheet 4 of the Plans required that we make a physical visit to the site to verify the orientation of the inside section views and of the Plan view.

I hope that having these sets will allow you to complete your as-built review and will give you a level of comfort with our work.

Yours,

Mike Callahan, P.E. Chief Executive Officer

MC:sc

Attachments:

Mike Hines, P.E. Tim Huddleston Gary Emery C E File

SEWAGE WORKS

FOR

GENESIS VILLAGE ESTATES CUMBERLAND COUNTY, TENNESSEE



SCALE: 1"=2000'

_ OCATION MAP

RECORD DRAWINGS:
THESE DRAWING WERE PREPARED IN
ACCORDANCE WITH OUR CONSTRUCTION
RECORDS. THEY SHOW THE PROJECT
"AS-CONSTRUCTED" TO THE BEST OF OUR
KNOWLEDGE BUT ARE NOT GUARANTEED
TO BE CORRECT IN EACH AND EVERY
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BY THE CONTRACTOR.
DATE: 05 MAY 2017

INDEX:

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SHEET NO.	DESCRIPTION
	TITLE SHEET
	SITE PLAN
2.	TREATMENT PLANT AERIAL VIEW
	TREATMENT PLANT SIDE VIEW
4.	TREATMENT PLANT DETAILS
5.	TREATMENT PLANT DETAILS

CONTRACT I- WASTE WATER TREATMENT PLANT JOB NUMBER D-159

DATE: OCTOBER 07, 2016

REVISED - OCTOBER 21,2016

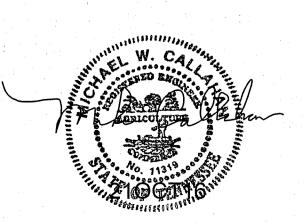
REVISED - NOVEMBER 04,2016

REVISED - NOVEMBER 30,2016

RECORD DRAWING - MAY 03, 2017

DESIGNERS, Inc.

108 East Commercial Avenue
Monterey, Tennessee 38574



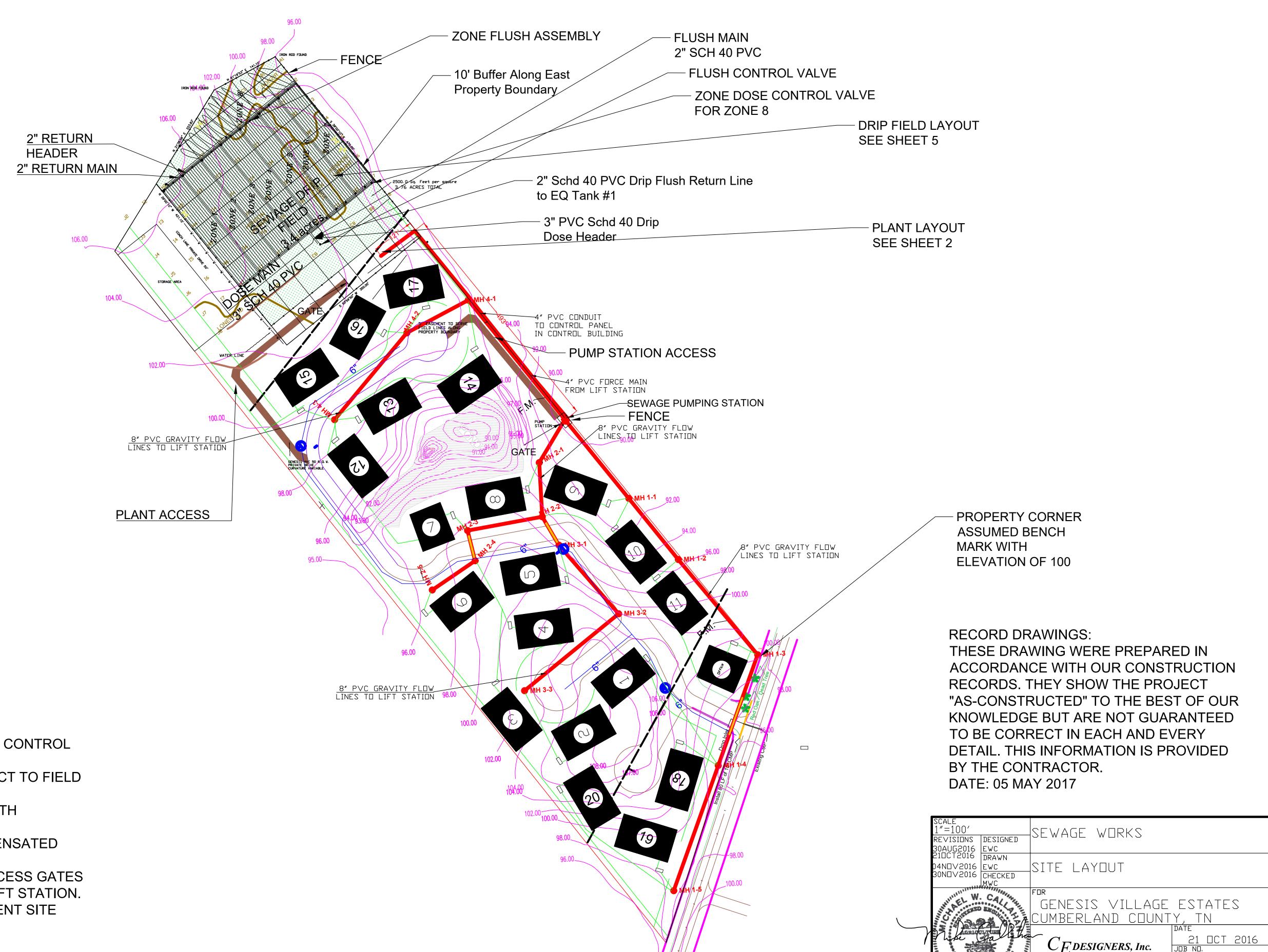
APPROVED

CUMBERLAND BASIN WASTEWATER SYSTEMS, LLC.

SET NO.

EFFLUENT DRIP DISPERSAL ZONES





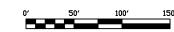
CEDESIGNERS, Inc.

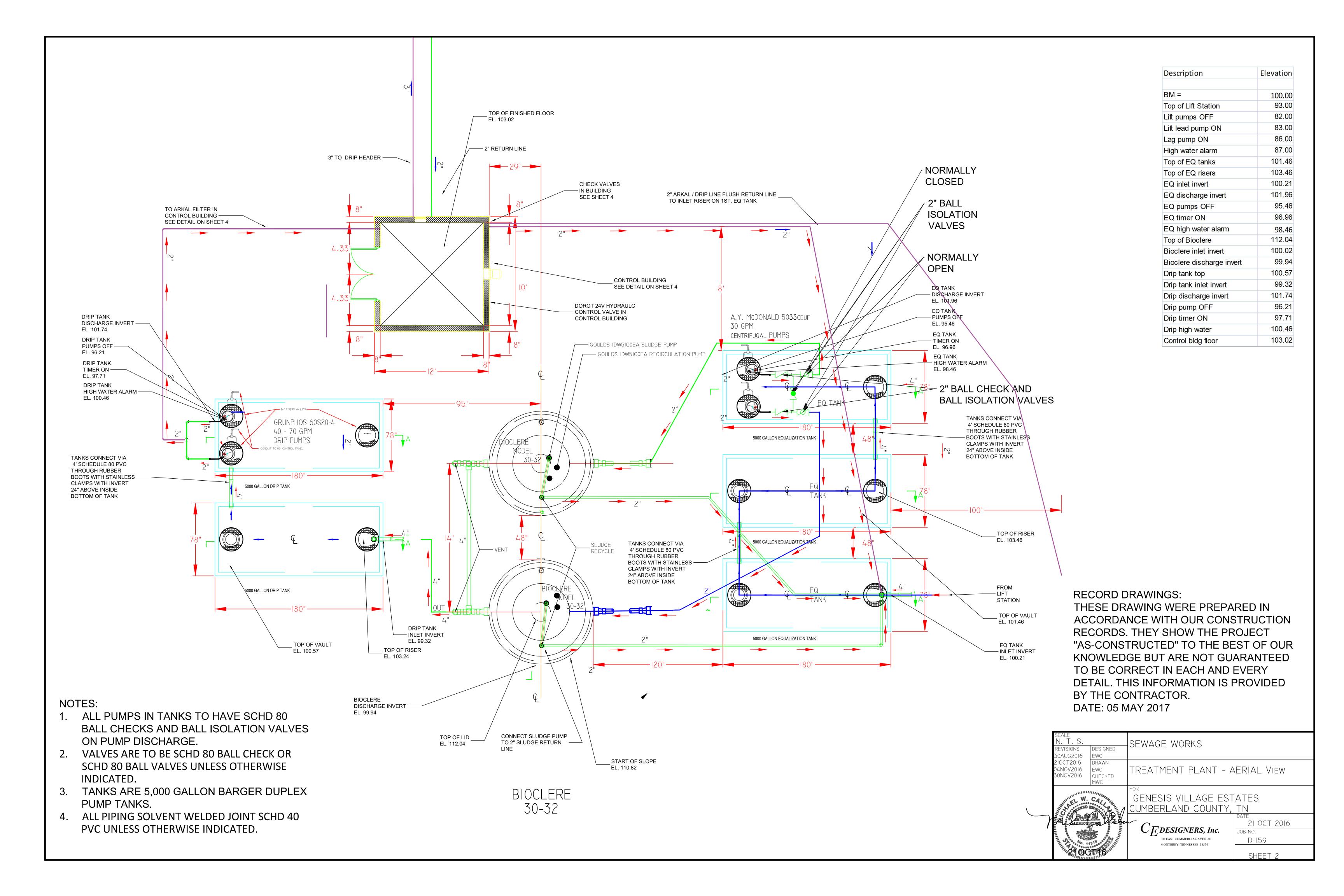
D-159

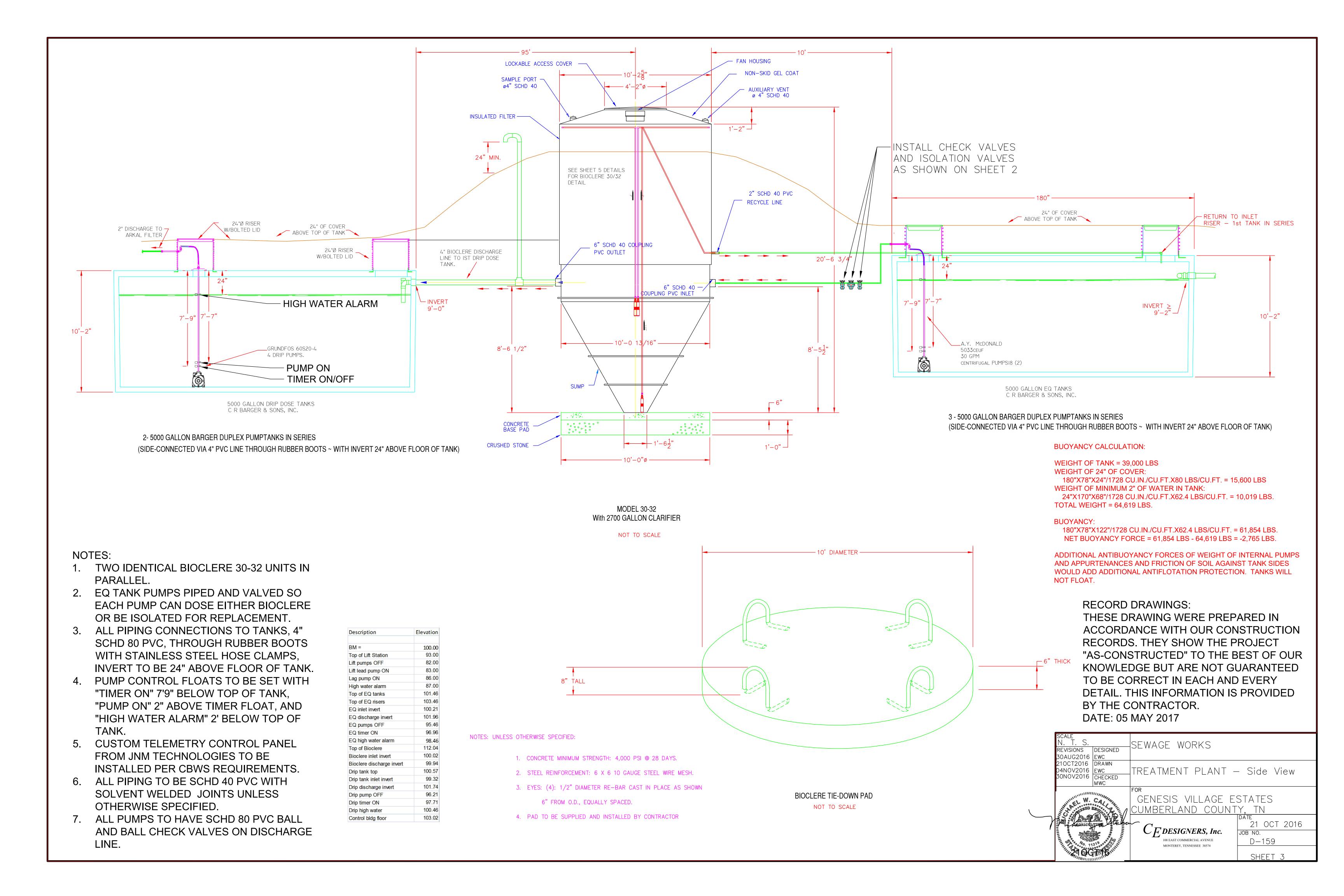
SHEET 1

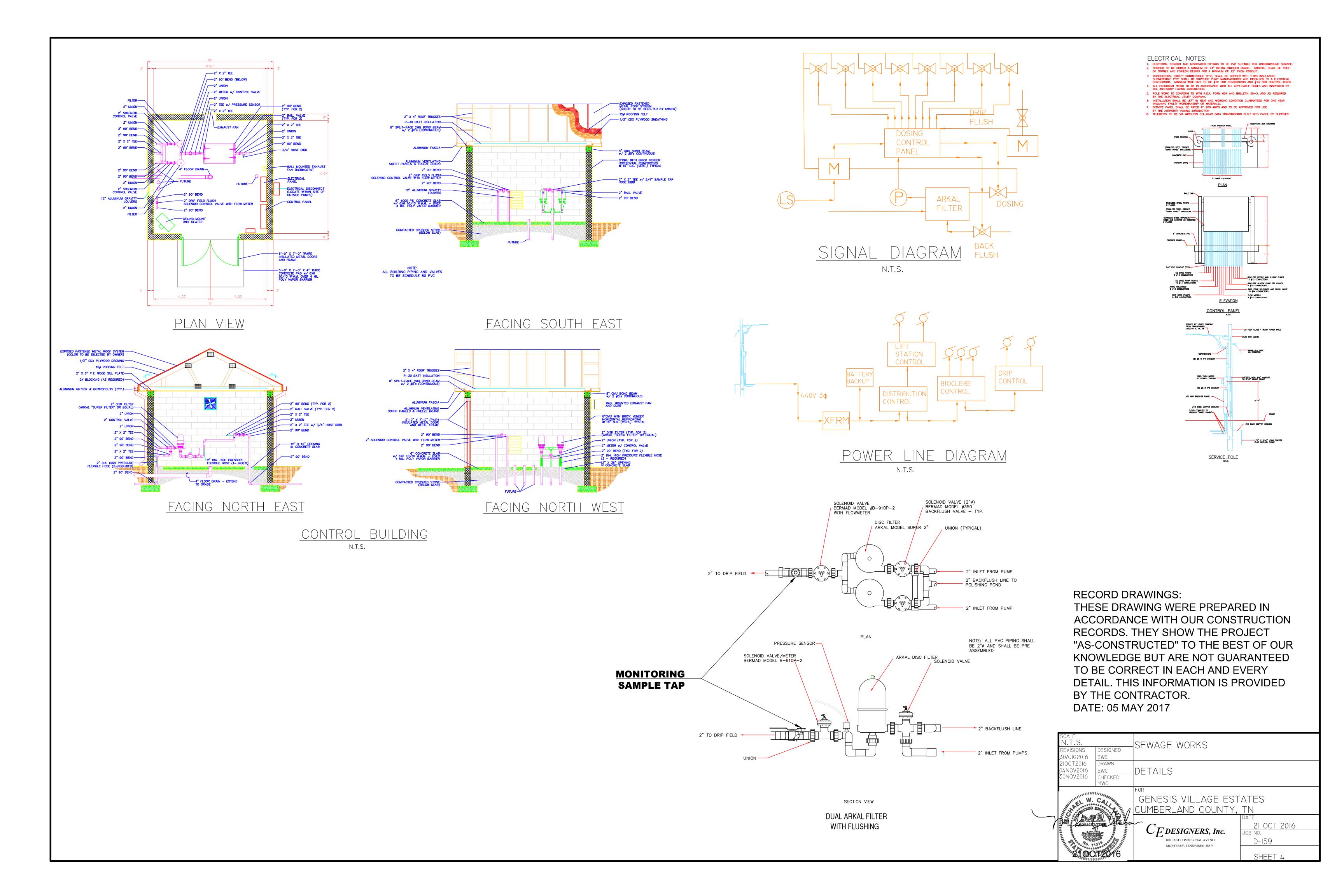
DRIP CONSTRUCTION NOTES:

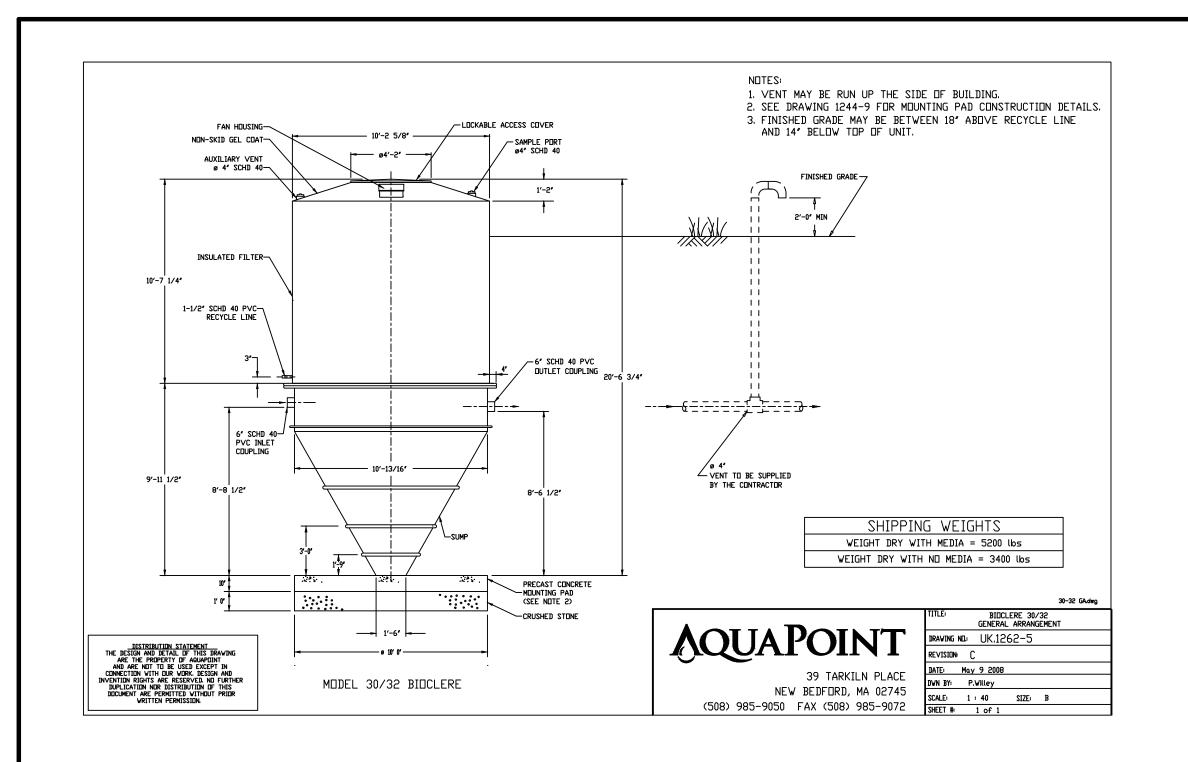
- 1. SEE TYPICAL DRIP ZONE DETAIL SHEET 4 FOR CONTROL VALVE LOCATIONS WITHIN ZONES.
- 2. CAV VALVE LOCATIONS APPROXIMATE SUBJECT TO FIELD LOCATION.
- 3. DRIP LINES TO BE ON NOMINAL 5' SPACING WITH ORIFICES ON 1' SPACING.
- 4. DRIP TUBE TO BE NETAFIM PRESSURE COMPENSATED UNIRAM 0.820" ID, 0.61 GPH.
- 5. 5' CHAIN LINK OR BARB WIRE FENCE WITH ACCESS GATES AROUND DRIP AND TREATMENT UNITS AND LIFT STATION.
- 6. 8' WIDE GRAVEL ACCESS DRIVES TO TREATMENT SITE AND LIFT STATION.

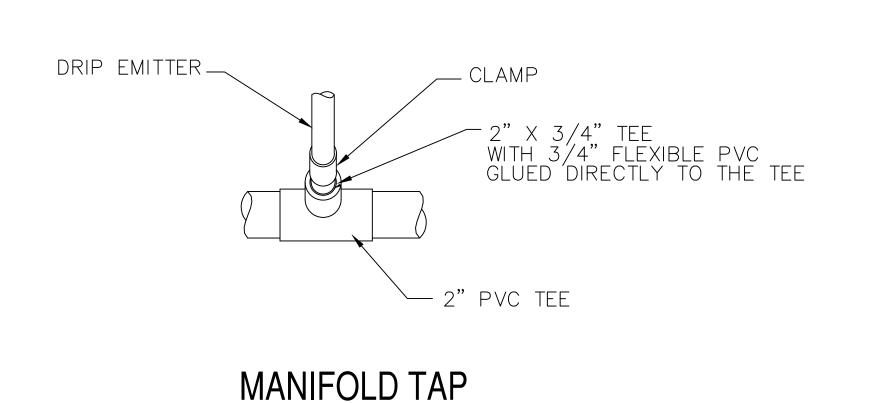




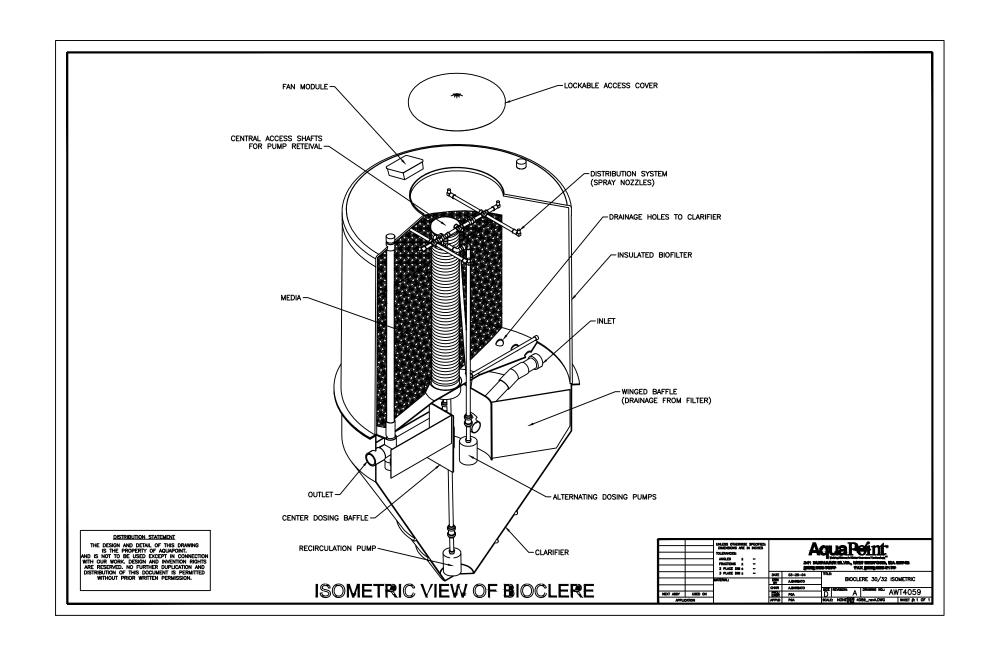


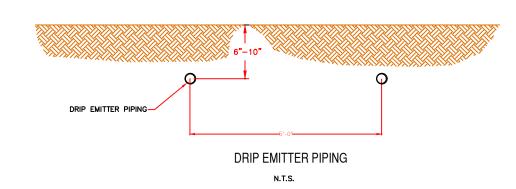


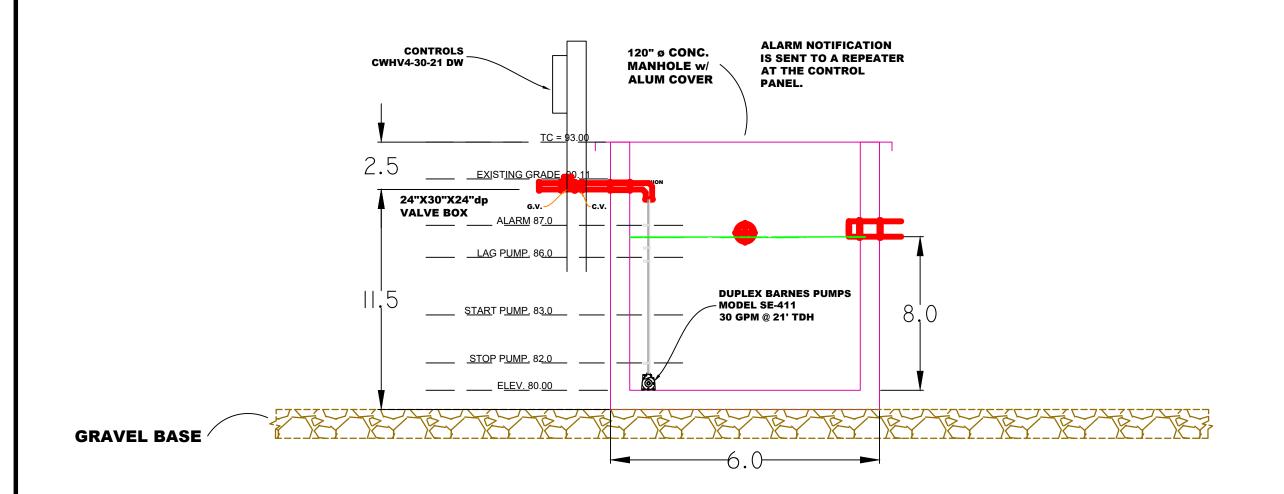




N.T.S.







SEWAGE PUMPING STATION

(PS1)

SCALE: N.T.S.



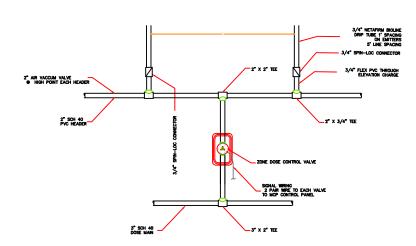
- ZONE FLUSH ASSEMBLY
- FLUSH CONTROL VALVE

▲ AIR VACUUM DOSE MANIFOLD VALVE

AIR VACUUM FLUSH MANIFOLD VALVE

MAIN LINE ARV

| 2000 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120



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