RFP NO. 500620-FY22-25
ODOR & GREASE ELIMINATOR

ADDENDUM NO. 1

FEBRUARY 28, 2022

ITEM NO. 1: PRE-PROPOSAL MEETING OVERVIEW

A non-mandatory pre-proposal meeting was held on Thursday, February 17, 2022 at the Utility Maintenance Building and Microsoft TEAMS.

The Town's Buyer provided an overview of the following procurement information:

- All information regarding this project can be found on the Town's Bid Board: http://www.leesburgva.gov/bidboard
- To receive updates, such as addenda, please register to receive updates on the Town's Bid Board
- Question deadline is 5:00 p.m. on Tuesday, February 22, 2022.
- Up until contract award, **all** questions must be submitted in writing to: bidquestions@leesburgva.gov
- Unless modified via addendum, proposals are due on Tuesday, March 8, 2022 @ 3:00 p.m. ET
- **No** late proposals will be accepted. Proposals shall be submitted electronically via the Commonwealth's eProcurement website, eVA. eVA will not allow documents to be uploaded after the proposal deadline. Any partially uploaded proposal is considered incomplete and will not be accepted.
- Proposal Submittal Instructions can be found on Pages 8-11
- Evaluation Criteria can be found on Page 12

ITEM NO. 2: PRE-PROPOSAL METING STATEMENT OF NEEDS DISCUSSION

The Town's Utilities Project Manager described the statement of needs as listed in the RFP:

- The purpose of this RFP is to obtain a product designed to reduce and/or eliminate hydrogen sulfide odors and grease to solve many of the problems associated with handling and treatment of animal fat, oil and grease (FOG) accumulations in sewage lift (pump) stations, force mains, gravity lines, grease traps, and treatment facilities (anaerobic and aerobic).
- Statement of Needs can be found on pages 3-8

ITEM NO. 3: QUESTIONS AND CLARIFICATIONS

Interested offerors shall be mindful of the following responses to the questions received:

1. In preparing the RFP documents, I had a question regarding a document needed. On page 10, it asks for "a copy of the certificate from the State Corporation Commission stating that your firm is authorized to transact business in the Commonwealth of Virginia". Where can this form be located in order to complete and include along with our RFP?

   RESPONSE: Information regarding registering with the Virginia State Corporation Commission (SCC), please visit their website at https://www.scc.virginia.gov/pages/New-Business-Resources. For additional questions about your registration status or to request a copy of your certification if you are already registered, please contact Virginia SCC directly. If you would like to be considered, please submit a proposal. If your

registration is still being processed at the time that proposals are due, provide evidence that your application has been submitted to the Virginia SCC in your proposal. In the event your firm is selected for a contract award, you may not receive the award if you are not registered. Registration will be confirmed prior to award.

2. Do the targeted lift stations handle the entire flow of the collection and secondary treatment flow? If not, what is the daily average flow that each lift station handles?

   RESPONSE: Please refer to Exhibit A within this Addendum.

3. Are there any documented readings for the hydrogen sulfide levels in each station?

   RESPONSE: Please refer to Exhibit B within this Addendum for measurements taken in 2018 at four of the target pump stations.

4. What is the daily average flow of the entire system and the influent BOD measured at the WWTP(s)?

   RESPONSE: Average daily flow for the entire system in 2021 was 3.875 MGD. Average influent BOD measured was 284.26 ppm.

5. Are there any documented readings and samplings for the measurement of fats, oils, and grease?

   RESPONSE: No

6. What is the budget for this solicitation?

   RESPONSE: Offerors are encouraged to propose what their price would be to complete the statement of needs described in the RFP.

7. Has the Town used the "odor and grease eliminator" prior to this solicitation and if so, can you provide the SDS for that technology?

   RESPONSE: Eco-Tabs™ has been used by the Town since 2017. Please refer to Exhibit C within this Addendum for eco-tabs™.

8. We would like to schedule a site visit regarding this opportunity. Do you have any openings the week of 2/21?

   RESPONSE: No. Town staff do not have availability for conducting site outside of the pre-proposal meeting.

9. Is the wastewater industrial or municipal?

   RESPONSE: Municipal.

10. Is the Town on a FOG program or VEST? Are we aggressive on this for restaurants?

    RESPONSE: Please visit https://www.leesburgva.gov/departments/utilities-water-sewer/ongoing-utility-programs/fats-oils-and-grease-fog-program for information on the FOG program.

11. In regard to growth and demographics, are we seeing more flow? Is the Town expecting an increase in flow?

    RESPONSE: The Town is expecting a modest increase in flow in the coming years.

12. Can the diameters and depths of the wet wells for each pump station be provided?

    RESPONSE: Please refer to Exhibit D within this Addendum.

13. Can you give the flow rates for Cattail Branch Pump Station?

    RESPONSE: Please refer to Exhibit A within this Addendum.

14. Can you provide the force main diameters, force main lengths and wastewater flow in GPD?

    RESPONSE: Please refer to Exhibit A within this Addendum.

OFFERORS MUST TAKE DUE NOTICE AND BE GOVERNED ACCORDINGLY. THIS ADDENDUM MUST BE ACKNOWLEDGED AS INDICATED IN THE REQUEST FOR PROPOSAL OR YOUR PROPOSAL MAY NOT BE CONSIDERED.

For the Town of Leesburg,
Kelly Neff, VCA, VCO
Buyer
Town of Leesburg, Virginia
Email: kneff@leesburgva.gov
Bid Board: http://www.leesburgva.gov/bidboard

Exhibit A

STATION	ADDRESS	FM MATERIAL	FM SIZE	FM LENGTH	GPD AVERAGE
OLD WATERFORD	545 Old Waterford Road, NW	PVC	4''	2,240'	32,114
TUSCARORA CATTAIL SEWER SHEAD	815 North King Street	DIP	6''	4,160'	96,828
POTOMAC CROSSINGCATTAIL SEWER SHEAD	1244 Barksdale Drive, NE	PVC	4''	1,540'	22,957
GOOSE CREEK CATTAIL SEWER SHEAD	43745 Bent Creek Terrace	PVC	6'	1,950'	30,371
CATTAIL	43300 Creek Bank Court	PVC	20''	5,545'	1.4 million

OdaLog units were selected for the various sampling locations depending on the anticipated H_2S concentrations (10 ppb to 2 ppm, 0 to 50 ppm, 0 to 200 ppm, and 0 to 1000 ppm). Two Low Range OdaLog units (10 ppb to 2 ppm) were deployed over the media of the IPS and Primary biofilters to assess the treatment efficiency of these systems. For area sources such as wet wells, channels, and process rooms, the OdaLogs were tied off with multiple pieces of twine for redundancy.

The OdaLog equipment was rented from Detection Instruments, which is an industry-recognized leader in OdaLog rental services. Detection Instruments is approved by App-Tek International, the OdaLog manufacturer, to perform in-house calibration of the equipment, and every rented OdaLog unit was calibrated prior to delivery for the project.

A summary of results of the continuous H_2S monitoring data collected is provided in Table 3-2.

Table 3-2: Continuous H_2S Data Summary

Sample Description	Date Start	Date Stop	H_2S Avg (ppm)	H_2S Min (ppm)	H_2S Max (ppm)
IPS Biofilter Inlet	8/27/18	9/4/18	14	6	21
IPS Biofilter Exhaust	8/27/18	9/4/18	0.00	0.00	0.06
Grit Chamber	8/27/18	9/4/18	0	0	29
Diurnal EQ Flow Splitter	8/27/18	9/4/18	0	0	15
BNR Flow Splitter	8/27/18	9/4/18	0.1	0.0	0.9
BNR Influent	8/27/18	9/4/18	0	0	1
BNR Effluent	8/27/18	9/4/18	0	0	0
RAS Splitter Box	8/27/18	9/4/18	0	0	1
Primary Biofilter Inlet (Note 1)	8/27/18	9/4/18	0	0	1
Anaerobic Digester Cover	8/27/18	9/4/18	0	0	40
MH by Thickener Splitter	8/27/18	9/4/18	17	0	47
Gravity Thickener Splitter	8/27/18	9/4/18	5	0	31
Gravity Belt Thickener	8/27/18	9/4/18	0	0	0
Belt Filter Press	8/27/18	9/4/18	0	0	0
Rotary Drum Room	8/27/18	9/4/18	0	0	0.3
Sludge Loading Station (w/ truck)	8/27/18	9/4/18	0	0	0.5
CB Pump Station	8/28/18	9/4/18	0	0	0
OWK Pump Station	8/28/18	9/4/18	0	0	29
PC Pump Station	8/28/18	9/4/18	0	0	0
THS Pump Station	8/28/18	9/4/18	0	0	11

Note 1: The Primary Biofilter Exhaust H_2S data was not able to be collected due to data logger error.

Based on the data collected, the following observations can be made:

- Over the sampling period, the highest average H_2S values observed were at the IPS biofilter inlet and the manhole adjacent to the thickener splitter (14 and 17 ppm, respectively).

commitment to the environment

M.S.D.S.

eco-tabs™
1360 NW 65th Avenue, Unit N
Plantation, FL 33313

1. Identification of the substance/preparation and company/undertaking.

NAME eco-tabs™ **Wastewater Treatment Tablets**

Synonyms: Sodium Percarbonate, Sodium Peroxycarbonate, Lactose Monohydrate, PEG-surfactant

Common uses: Aerobic bacterial pre-treatment for use in Sewage Lift Stations, Sewer lines, POTW systems to reduce or eliminate odors (e.g. H2S, NH4, VFA's), prevent corrosive acid development and reduce FOG related backups and damage.

Supplied by:

eco-tabs™
1360 NW 65th Avenue, Unit N
Plantation, FL 33313

Tel: 1-800-997-7299
www.eco-tabs.com
Emergency No. (24 hours): **Chemtrec**
800-424-9300 (Domestic)
703-527-3887 (International)

2. Composition/information on ingredients.

Contains:
Sodium Percarbonate 15%
Biologically active Surfactant
Nutrients
Binders
Non-Pathogenic Bacterial Strains

Hazardous ingredient / impurity	% Conc.	Classification	Exposure	CAS	EINECS
Sodium Percarbonate	15	5.1		15630-89-4	239-707-6

3. Hazards identification.

Classification:

Non pathogenic bacteria culture and active oxygen compound

CI#: Not Available

TSCA: "We certify that all chemicals in this shipment are not subject to TSCA."

4. First Aid measures.

Immediate medical attention is required in case of exposure by inhalation, contact with skin or eyes, or if swallowed.

Exposure Route	Symptom	Treatment
Inhalation	Prolonged or repeated inhalation of dust, may irritate the respiratory tract	Remove from exposure, rest and keep warm. In severe cases, or if recovery is not rapid or complete seek medical attention.
Skin Contact	May cause irritation and discomfort	Drench the skin with plenty of water for 15 minutes; use a mild soap if available. Remove contaminated clothing and wash before reuse. If large areas of the skin are damaged or if irritation persists seek medical attention.

Eye Contact	May cause irritation and pain	Remove contact lens and irrigate thoroughly with water for at least 15 minutes. Obtain medical attention.
Ingestion	Irritation of gastrointestinal tract, nausea, diarrhea	Wash out mouth with water. Do not induce vomiting. If patient is conscious, give water to drink. If patient feels unwell seek medical attention.

Immediate Treatment / Antidote: symptomatic treatment

Delayed Effects: bacterial infection

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5. Fire Fighting measures.

Suitable Extinguishers: water

Unsuitable Extinguishers:

Hazardous Combustion Products: None Known. Large dust accumulations can be explosive, similar to a grain dust explosion.

Special Equipment for Fire Fighting: self contained breathing apparatus

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6. Accidental Release measures.

Personal Precautions: Wear appropriate PPE - See section 8

Environmental Precautions: The bacteria and carriers are naturally occurring and should not pose an environmental risk.

Clean up Procedure: If dry, vacuum or dry sweep spilled material and place in closed plastic bags for disposal. If wet, place wet material in a drum or bucket lined with a plastic bag. The bag should not be tightly closed. Allow the bag to airate for 24 hours before disposal. Disposal bag should be pinholed near the top to avoid bursting if carbon dioxide or oxygen gas is evolved. Wash spill site with water. If bacterial contamination is an issue use chlorine to kill the bacillus spores.

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7. Handling & Storage.

Handling Ventilation: Good general ventilation.

Recommended procedures & equipment: avoid creating dust

Storage Store in a dry area.

Keep away from: See section 10

Suitable storage Media: original container with closed lid

Precautions against static discharge: Do not transfer material into flammable solvents. Ground all equipment that handles solid or powdered product to avoid sparks. Product surface alterations caused by calcining or mixing with additives may alter toxicological and chemical properties.

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8. Exposure Controls/personal protection.

Exposure Limits:

8-Hour Time Weighted Average (TWA): 15-minute Short-Term Exposure Limit (STEL)

OSHA: 6 mg/m^3 (total dust) TWA. 29 CFR 1910.1000 (Rev. 3/1/89).

ACGIH: 10 mg/m^3 (total amorphous dust) TWA. 3 mg/m^3 (respirable nuisance particulate) TWA.

Personal Protective Equipment:

Respiratory: NIOSH approved dust filter respirator for exposure above permissible exposure limits. Respiratory protection programs must be in accordance with 29 CFR 1910.134

Hand: Wash hands after use. Gloves recommended

Eye: Safety glasses or goggles recommended.

Skin: Wash after exposure. Boots, aprons, or chemical suits should be used when necessary to prevent skin contact. Personal protective clothing and use of equipment must be in accordance with 29 CFR 1910.132 (general requirements), .133 (eye and face protection, and .138 (hand protection).

Environmental controls: Users should be aware of environmental considerations and their duties under the environmental protection act. Do not place the product into potable water.

Hygiene Measures: Always wash thoroughly after handling chemicals.

9. Physical & Chemical Properties.

Appearance	Green
Odor	Slight Musty Odor
pH	8.0 (5% suspension)
Boiling point/range	NA
Melting point/range	NA
Flash point	NA
Specific gravity	NA
Bulk density	Variable
Volume % Volatile	NA
Physical state	Tablet
Vapour pressure	None
Heat solution	NA
Solubility in water	Partially Insoluble
Vapour density	Not soluble
Evaporation rate	NA

10. Stability & Reactivity.

Stability: Stable under normal storage and handling conditions. Keep away from moisture when storing. Keep away from combustible solvents.

Conditions/Materials to avoid: Accumulations of product in enclosed spaces and generation of dust. High temperatures (>200°C) treatment or calcining). Avoid alteration of product properties before use. Calcining, which may result in gas formation, or mixing with additives may alter toxicological and chemical properties.

Hazardous decomposition products: None known

11. Toxicological Information.

Toxological effects: Low Acute oral toxicity although ingestion will cause irritation of the gastrointestinal tract and may result in nausea and diarrhea. May cause mild mechanical irritation to eyes, skin and mucous membranes. May cause irritation from allergic reaction, especially to people that have a history of allergic reactions.

LD_{LO}

LD_{50} **oral-rat** **skin-rabbit**

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12. Ecological Information.

Environmental Effects: Not Known

Bio-accumulative potential: Not Known

Aquatic Toxicity: Not Known

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13. Disposal considerations.

Substance: Via an authorized waste disposal contractor to an approved waste disposal site, observing all local and national regulations.

Container: As substance.

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14. Transport Information. **Not regulated for transport**

UN number	**Class**
Primary Hazard	**Subsidiary Hazard**
Packing Group	**Emergency Action Code**
H.I. Number	**Marine Pollutant**
Proper Shipping name	Water treatment compounds

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15. Regulatory Information.

Label Name eco-*tabs*™ Wastewater Treatment Tablets
Symbols no risk or safety phrases stipulated
Risk Phrases 8 Contact with combustible material may cause fire.
36/38 Irritating to eyes and skin.

Safety Phrases 3 Keep in a cool place.
8 Keep container dry.
17 Keep away from combustible material.
24/25 Avoid contact with skin and eyes.
26 I in case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

E.C. No
Additional labelling:

Use of this material may be governed by the following regulations: - (users are advised to consult these regulations for further information).

WHMIS (Canada): Not controlled under WHMIS (Canada)

DSCL (EEC): This product is not classified according to EU regulations. Not applicable.

Hazardous Material Identification System (HMIS):
Health (0-4): 1
Flammability (0-4): 1
Reactivity (0-4): 0
Personal Protection (A-D): N/A

National Fire Protection Association (U.S.A):
Health (0-4): 1
Flammability (0-4): 1
Reactivity (0-4): 0
Specific Hazard: N/A

Protective Equipment: (Non-toxic, non-caustic)
<Gloves and protective eyewear recommended>

The information contained in this data sheet does not constitute an assessment of workplace risks.

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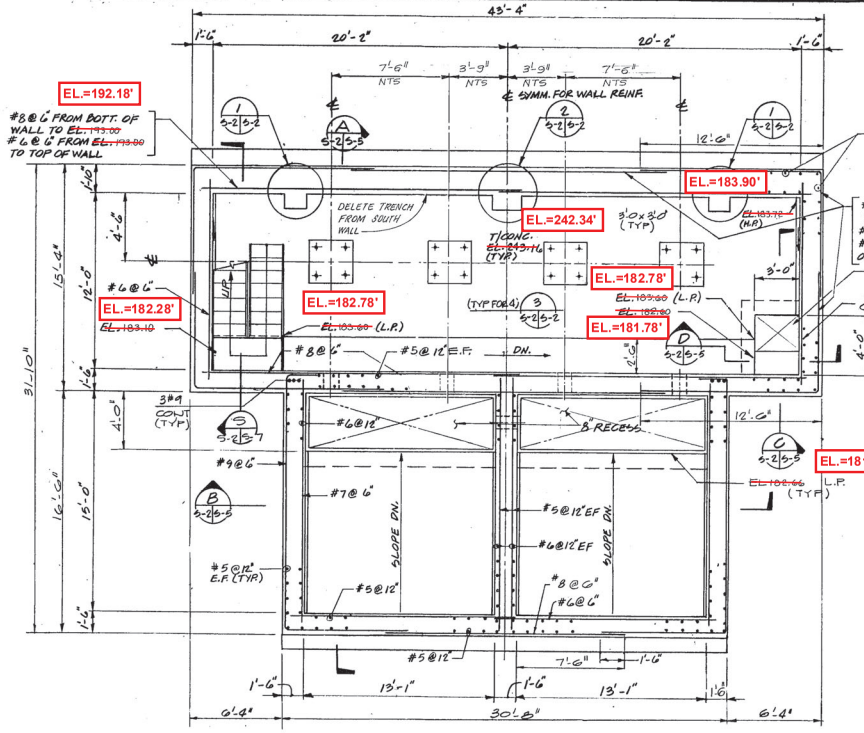
16. Other Information.

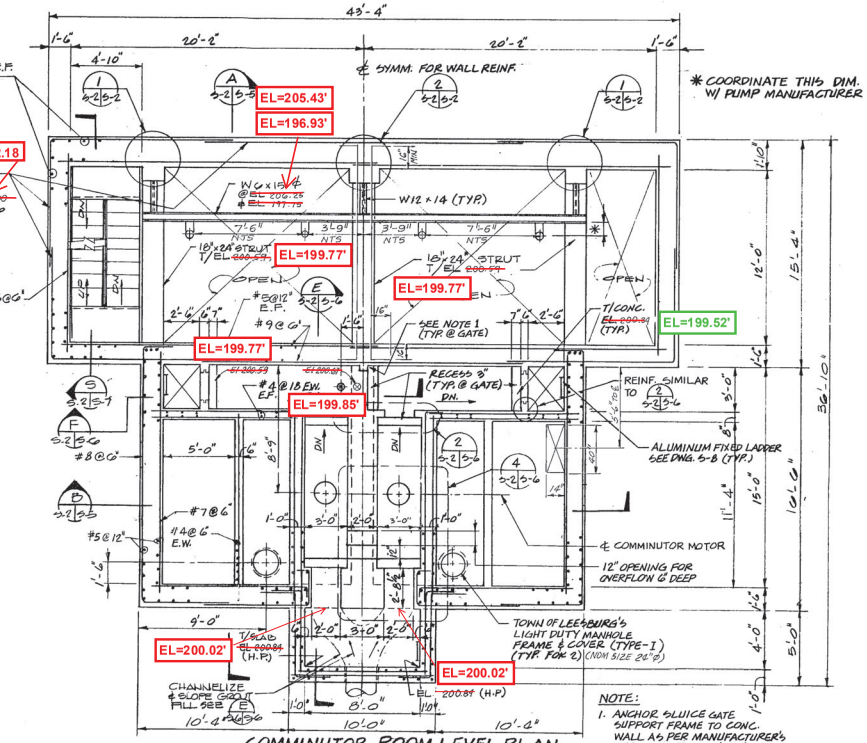
This material must not be used for direct contact with food:
Wash hands thoroughly after handling.
Further details may be available upon request from your local eco-*tabs*™ distribution site.

Legal Disclaimer:
The above information in this MSDS was obtained from sources which we believe are reliable. HOWEVER, THE INFORMATION IS PROVIDED WITHOUT ANY WARRANTY, EXPRESSED OR IMPLIED, REGARDING ITS CORRECTNESS. The conditions or methods of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. FOR THIS AND OTHER REASONS, WE DO NOT ASSUME RESPONSIBILITY AND EXPRESSLY DISCLAIM LIABILITY FOR LOSS, DAMAGE OR EXPENSE ARISING OUT OF OR IN ANY WAY CONNECTED WITH THE HANDLING, STORAGE, OR USE OF THIS PRODUCT.



WET WELL & PUMP ROOM LEVEL PLAN

SCALE: 1/4" = 1'-0"



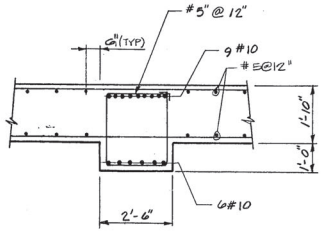
COMMINUTOR ROOM LEVEL PLAN

SCALE: 1/4" = 1'-0"

NOTE:
1. ANCHOR SLUICE GATE SUPPORT FRAME TO CONC. WALL AS PER MANUFACTURER'S RECOMMENDATION (TYP.).

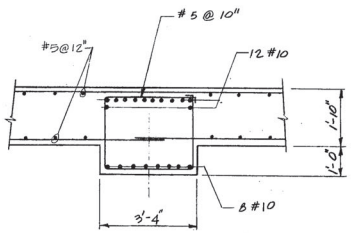
CALCULATED ELEVATION

SURVEYED ELEVATION



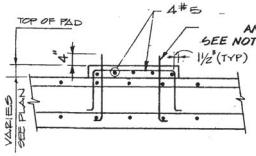
1/S-2/S-2 DETAIL

SCALE: 1/2" = 1'-0"



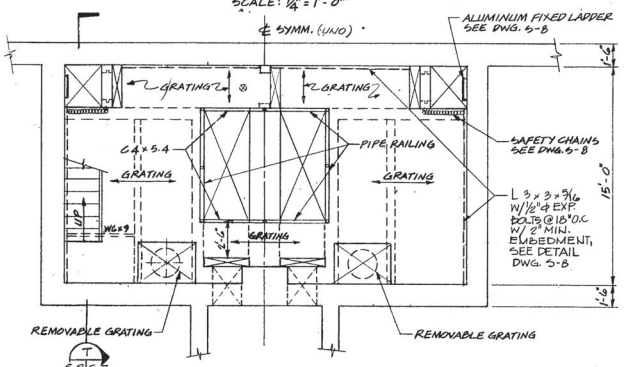
2/S-2/S-2 DETAIL

SCALE: 1/2" = 1'-0"



3/S-2/S-2 DETAIL

SCALE: 1/2" = 1'-0"



COMMINUTOR ROOM GRATING LAYOUT

SCALE: 1/4" = 1'-0"

COMMONWEALTH OF VIRGINIA
FRAGRANCE H.F. WU LAI
Registration No. 0501
PROFESSIONAL ENGINEER

REFERENCES		REFERENCES		REVISIONS								REVISIONS								
DRAWING NO.	DESCRIPTION	DRAWING NO.	DESCRIPTION	NO.	DATE	BY	CKD	SEC	PROJ	CLIENT	DESCRIPTION	NO.	DATE	BY	CKD	SEC	PROJ	CLIENT	DESCRIPTION
													6/21/90	BM	SLF				Conformed to Construction Records

FOR CONST 2-2-90		
DRAWN	L.V.	12-14-89
CHECKED	R.W.L.	12-14-89
APVD SECT HD	R.W.L.	12-14-89
APVD PROJ MGR	D.P.	10/89
APVD CLIENT		

R.P.P.

THE RALPH M. PARSONS COMPANY
WASHINGTON, D.C.

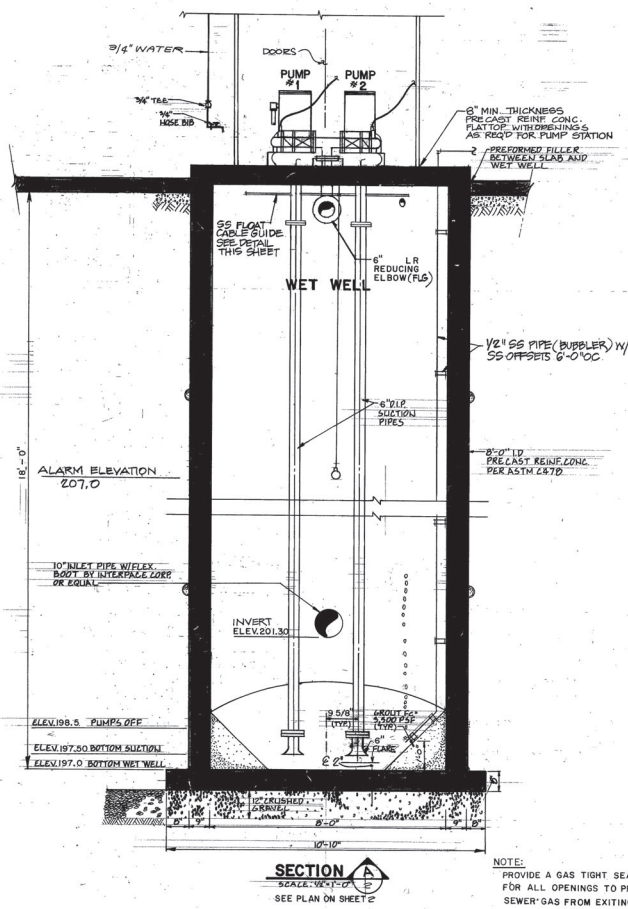
CATTAIL BRANCH SEWAGE PUMPING STATION

LEESBURG, VIRGINIA

TITLE	SCALE	ACCOUNT NUMBER	JOB NUMBER	REVISION
WET WELL, PUMP ROOM & COMMINUTOR ROOM LEVEL PLANS	AS NOTED		6300	6
	DOCUMENT NUMBER	S-2		

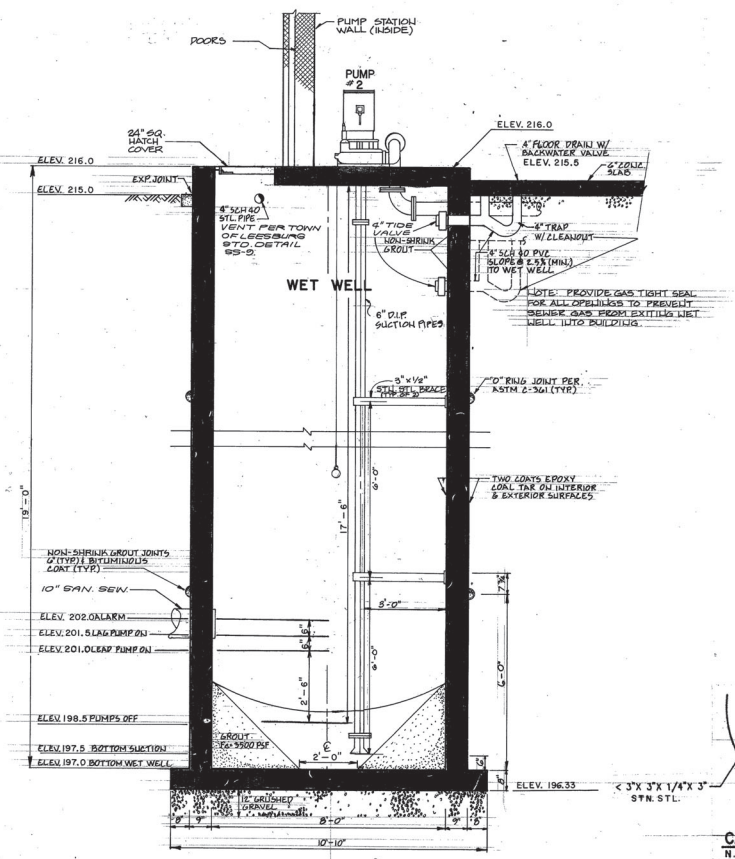
ENG-GE-23 (12/79)

Exhibit D

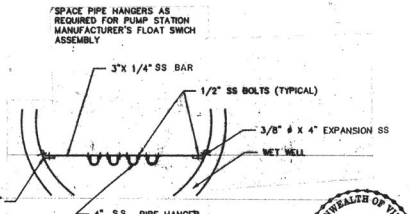


SECTION A
SCALE: 1/2"=1'-0"
SEE PLAN ON SHEET 2

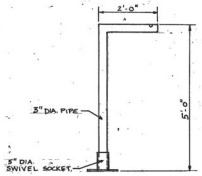
NOTE:
PROVIDE A GAS TIGHT SEAL FOR ALL OPENINGS TO PREVENT SEWER GAS FROM EXITING WET WELL INTO BUILDING.



SECTION B
SCALE: 1/2"=1'-0"
SEE PLAN ON SHEET 2

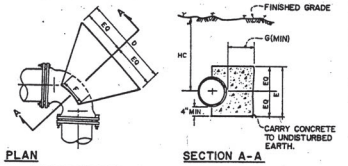


CABLE GUIDE DETAIL
N.T.S.



PUMP STANCHION DETAIL
NTS

NOTE: PUMP STANCHION TO BE FURNISHED BY PUMP MANUFACTURER



BEND TYPE	PIPE DIAMETER INCH	THRUST BLOCK DIMENSIONS * D	E	F	G
1/2 [11 1/4°]	4	2'-0"	2'-0"	6"	1'-0"
	6	2'-0"	2'-0"	6"	1'-0"
1/16 [22 1/2°]	6	2'-0"	2'-0"	6"	1'-0"
1/8 [45°]	6	3'-0"	2'-0"	6"	1'-0"
1/4 [90°]	6	5'-2"	2'-0"	1'-6"	1'-0"

* AT 150 PSI TOTAL WORKING PRESSURE

STANDARD DETAIL
THRUST BLOCKS FOR HORIZONTAL BENDS

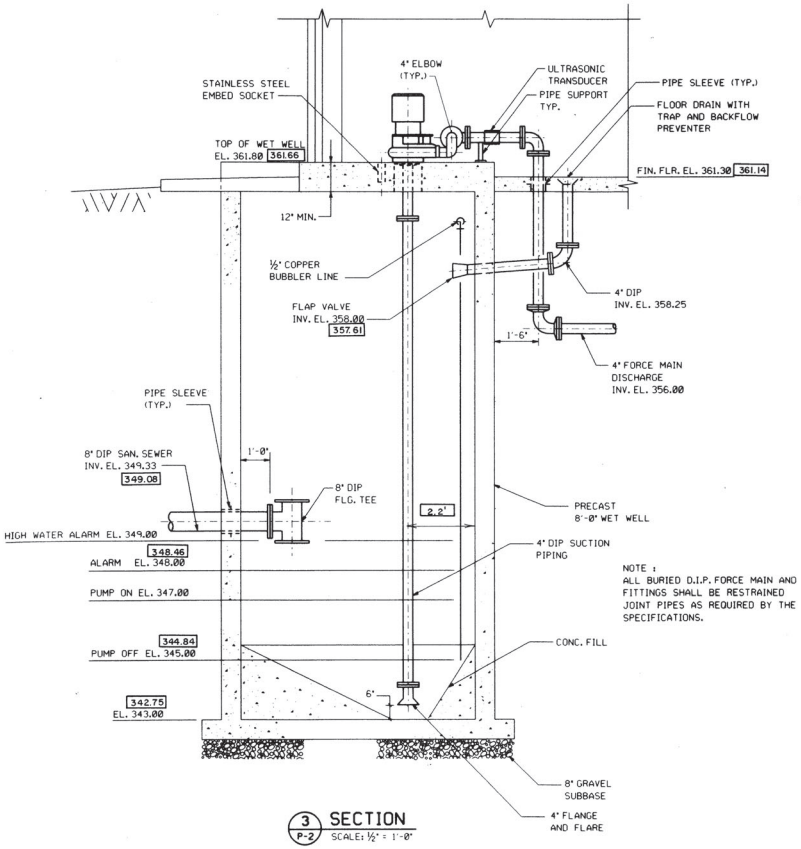
COMMONWEALTH OF VIRGINIA
JEFFREY B. CHAPIN
No. 9519
PROFESSIONAL ENGINEER
11/20/98

Dewberry & Davis
Architects Engineers Planners Surveyors
8401 Arlington Blvd., Fairfax, VA 22031
☎ 703 849-0100

PUMP STATION
SECTIONS AND DETAILS

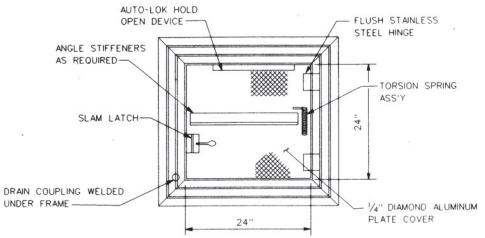
GOOSE CREEK WASTEWATER PUMP STATION
TOWN OF LEESBURG LOUDOUN COUNTY, VIRGINIA

Scale: AS SHOWN
Sheet: 3 of 7
Date: REVISED 11-20-98 JULY, 1998
File Number:

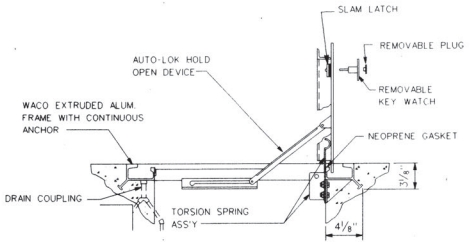


NOTE :
ALL BURIED D.I.P. FORCE MAIN AND FITTINGS SHALL BE RESTRAINED JOINT PIPES AS REQUIRED BY THE SPECIFICATIONS.

3 P-2 SECTION
SCALE: ½" = 1'-0"



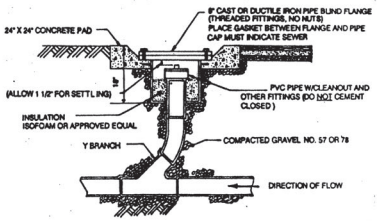
PLAN



SECTION

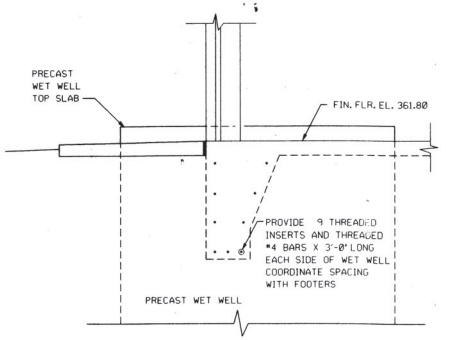
TYPICAL HATCH COVER DETAIL

NOT TO SCALE



NOTE: THE RISER PORTION SHALL BE RESTRAINED, BY MEGA-LUG OR OTHER APPROVED METHODS, TO THE Y-BRANCH.

FORCE MAIN CLEANOUT
NOT TO SCALE



WET WELL - FLOOR SLAB INTERFACE DETAIL

NOT TO SCALE

DENOTES "AS-BUILT" INFORMATION;

"AS-BUILT"

COMMONWEALTH OF VIRGINIA
GEORGE R. SCHULTE
LICENSE No. 8557
PROFESSIONAL ENGINEER
6/13/95

OWNER

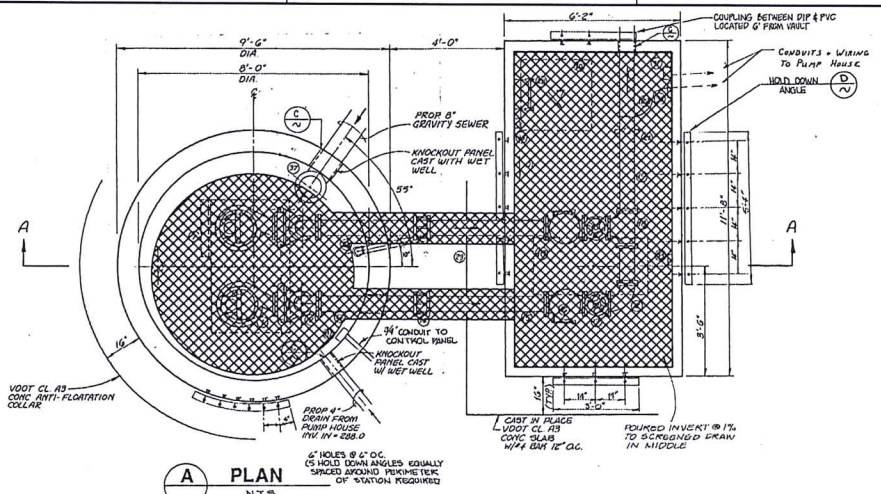
FIRST HOTEL INVESTMENT CORPORATION
ONE OXFORD CENTRE
PITTSBURGH, PA. 15219

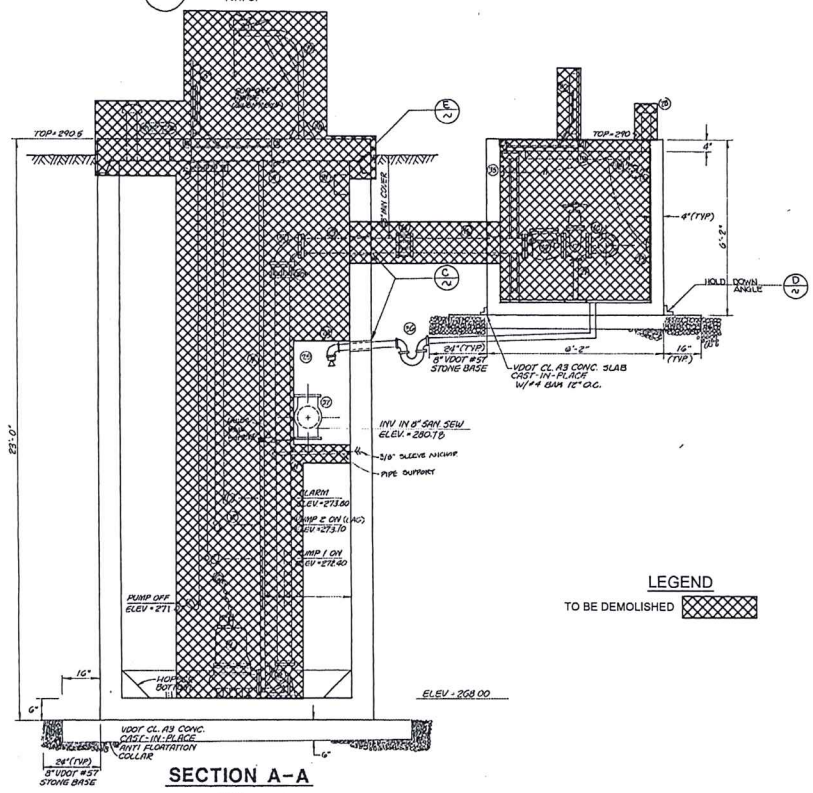
NO	REVISION	DATE	BY

ENGINEERS-ARCHITECTS-PLANNERS-SCIENTISTS-SURVEYORS-PHOTOGRAMMETRISTS
GREENHORNE & O'MARA, INC.
9001 EDMONSTON ROAD, GREENBELT, MARYLAND 20770
(301) 982-2800

OLD WATERFORD KNOLL
PUMP STATION
SECTIONS
PROCESS
TOWN OF LEESBURG - LOUDOUN COUNTY, VIRGINIA

DRS DESIGN	SCALE AS NOTED
CAV DRAWN	"AS-BUILT" SHEET 8 OF 8
GRS CHECKED	OF SHEET P-2
JUNE 1995 DATE	JOB No. FILE No.





MATERIALS LIST

ITEM	QUANTITY	DESCRIPTION
1	2	Submersible Wastewater Pump DEMO
2	2	4" Breakaway Fitting CI DEMO
3	1	Electrical Receptacle DEMO
4	4	Mercury Float Switch DEMO
5	1	Wet Well Access Hatch 30 x 54" watertight DEMO
6	2	Lift Chain Galvanized 23' Lg. DEMO
7	1	Float Support Bracket (SS) DEMO
8	1	Upper Guide Rail Bracket DEMO
9	138'	1 1/4" Galvanized Guide Rail DEMO
10	1	Valve Vault Light Fixture - vapor Proof DEMO
11	2	4" F/PE D/P, CLASS 52 DEMO
12	3	4" Flanged 90-Degree Elbow D/P CL52 DEMO
13	2	4" F/PE D/P, CLASS 52 DEMO
14	2	4" Straight Coupling, CI. DEMO
15	2	4" F/PE D/P CL 52 DEMO
16	2	4" Flanged Check Valve DEMO
17	2	4" Flanged Resilient Plug Valve DEMO
18	1	4" Flanged Tee DP CL 52 DEMO
19	1	4" F/PE D/P CLASS 52 DEMO
20	1	Valve and Meter Vault Access Hatch 30 x 30" Watertight REPAIR
21	3	Steel Pipe Support DEMO
22	1	Aluminum Ladder 7(Portable 29') DEMO
23	5'	2" SCH40 PVC Pipe CLEAN
24	1	2" SCH40 PVC 90-Degree Elbow CLEAN
25	1	2" Backwater Valve DEMO
26	2	4" Galvanized Coupling DEMO
27	2	4" X 1' - 2 1/4" Galvanized Pipe DEMO
28	2	4" Galvanized Vent Cap with screen DEMO
29	1	Flow Meter DEMO
30	2	4" Flanged Coupling Adaptor DEMO
31	2	NEMA 4X Junction Box with AC Surge Protector DEMO
32	1	Flourescent Light (A) DEMO
33	1	Electrical Receptacle (GFI) DEMO
34	1	Flow meter control panel with DC. surge protector DEMO
35	1	Light Switch DEMO
36	1	2" PVC SCH40 U-TRAP CLEAN
37	1	8" X 8" M.J. Tee, D.I.P. DEMO
38	1	Winch Assembly Mounting Base DEMO
39	1	Winch Assembly DEMO

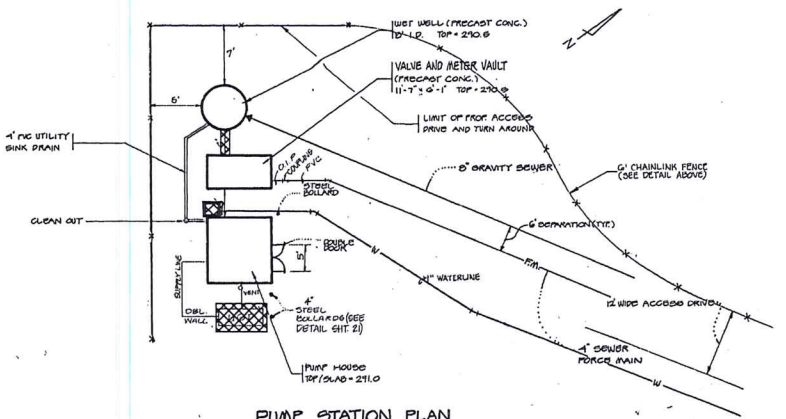
SEE ADDITIONAL SHEETS FOR TRADE SPECIFIC DEMOLITION

SUGGESTED SEQUENCE OF CONSTRUCTION

ENGINEER TO WRITE

LEGEND

TO BE DEMOLISHED



PUMP STATION PLAN

NO SCALE

Dewberry

DEWBERRY ENGINEERS INC.
8401 ARLINGTON BOULEVARD
FAIRFAX, VA. 22031-0466
703-849-0100

POTOMAC CROSSING WASTEWATER PUMPING STATION

LEESBURG, VIRGINIA

SEAL

FOR REVIEW NOT FOR CONSTRUCTION

KEY PLAN

SCALE

SCALE: NTS

No.	DATE	BY	Description

REVISIONS

DRAWN BY	RLJ
APPROVED BY	MAK
CHECKED BY	CB
DATE	04/02/2021

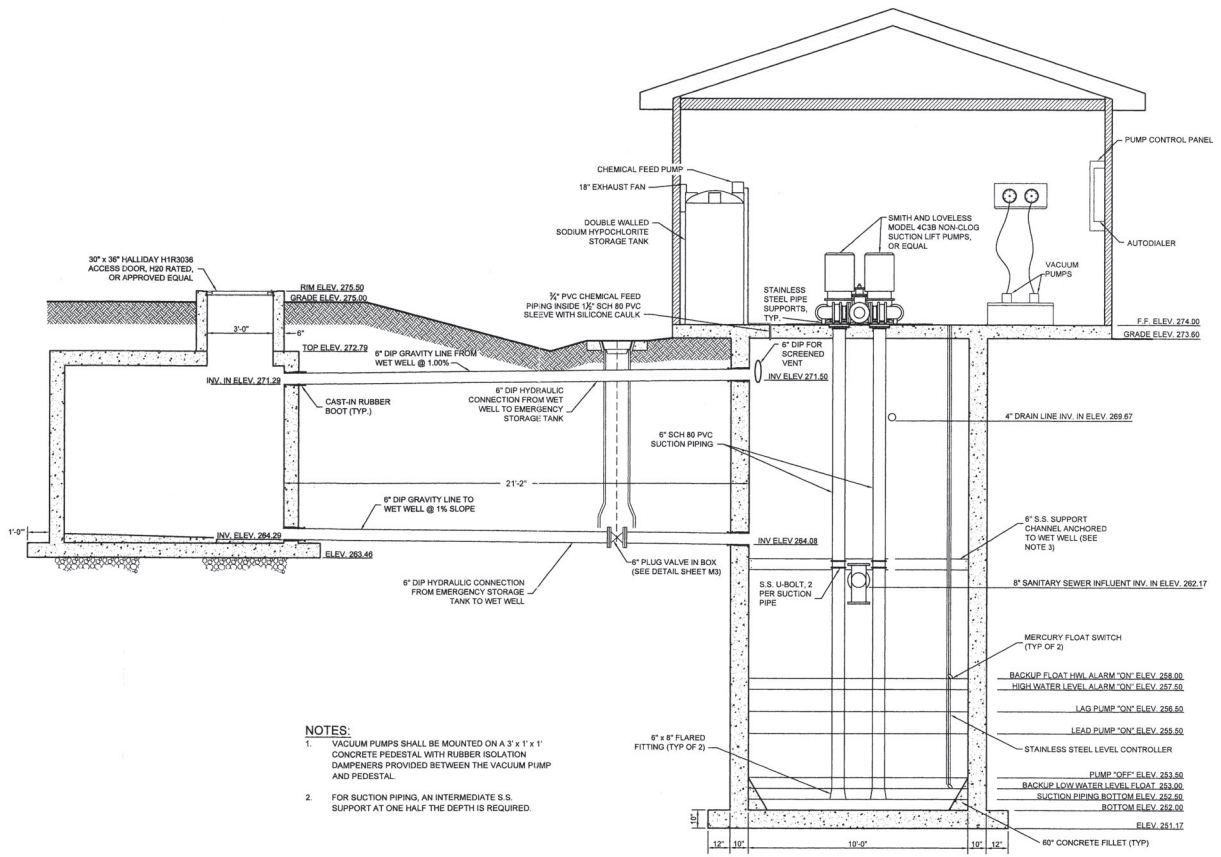
TITLE

PUMPING STATION DEMOLITION PLAN, PROFILE, & SECTION VIEW

PROJECT NO. 50126893

DM-1

SHEET NO. 4 OF 24



NOTES:

1. VACUUM PUMPS SHALL BE MOUNTED ON A 3' x 1' x 1' CONCRETE PEDESTAL WITH RUBBER ISOLATION DAMPENERS PROVIDED BETWEEN THE VACUUM PUMP AND PEDESTAL.
2. FOR SUCTION PIPING, AN INTERMEDIATE S.S. SUPPORT AT ONE HALF THE DEPTH IS REQUIRED.

CONTROL BUILDING SECTION

SCALE : 3/8" = 1'-0"

A
M1 | M2

NO.	DATE	REVISION	APPROVAL
2	1/22/09	REV. PER TOWN OF LEESBURG COMMENTS	JMK
1	12/16/08	REV. PER TOWN OF LEESBURG & OWNER COMMENTS	JMK

Bury+Partners
ENGINEERING SOLUTIONS
4285 Ironbound Road, Suite 200
Williamsburg, Virginia 23188
Tel: 1-757-229-4653 Fax: 1-757-229-4693
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COMMONWEALTH OF VIRGINIA
JESSICA M. KWIATKOWSKI
Lic. No. 036766
PROFESSIONAL ENGINEER
2/4/09

WET WELL PROFILE

TOWN OF LEESBURG VIRGINIA

NEW BIG SPRINGS
WASTEWATER PUMP STATION

LOUDOUN COUNTY PUBLIC SCHOOLS

PLOTTING SCALE:	3/8" = 1"
DATE PLOTTED:	10/15/08
FILE:	34601WPP01.dwg
DRAWN BY:	DWD
DESIGNED BY:	KJD
REVIEWED BY:	KMB
PROJECT NO.:	213460001

SHEET
M2

I:\21346 - Bowman Consulting\0001 - High School 5\Wastewater\Sheets\34601WPP01.dwg modified by dgross on Feb 04, 2009 - 10:51am