

**BEFORE THE TENNESSEE REGULATORY AUTHORITY
NASHVILLE, TENNESSEE**

IN RE:)
PETITION OF INTEGRA WATER TENNESSEE, LLC)
FOR A CERTIFICATE OF PUBLIC CONVENIENCE AND)
NECESSITY AND AUTHORITY TO CHARGE RATES IN)
HARDEMAN SPRINGS SUBDIVISION LOCATED IN)
WILLIAMSON COUNTY, TENNESSEE)

Docket No. 17-00017

INITIAL PETITION FOR
CERTIFICATE OF PUBLIC CONVENIENCE AND NECESSITY BY INTEGRA WATER
TENNESSEE, LLC

Integra Water Tennessee, LLC ("Integra Water" or "Petitioner") by and through its undersigned counsel, hereby petitions the Tennessee Regulatory Authority ("Authority") request a Certificate of Public Necessity and Convenience and the authority to charge rates in the Hardeman Springs Subdivision in Williamson County, Tennessee. Consistent with the "INFORMATION TO SUPPORT INITIAL PETITION OF AN ENERGY, WATER OR WASTEWATER COMPANY", Integra Water Tennessee, LLC submits the following in support of its Petition:

1. The Petitioner is a Tennessee limited liability company seeking permission to own and operate a small wastewater distribution system in Williamson County, Tennessee for the Hardeman Springs subdivision. The Petitioner proposes to provide wastewater utility service within the service area identified as Hardeman Springs Subdivision.

2. In support of this Petition, the Petitioner files the following: 1) the Prefiled Direct Testimony of Michael Myers; 2) three addendums; and 3) 8 non-consecutively numbered exhibits. The addendums and exhibits are attached hereto to the Petition, the pre-filed direct testimony is filed contemporaneously with this Petition. A full explanation of the addendums and the exhibits can be found on the "List of Addendum and Exhibits" which is the last page of Addendum 1.

3. Maps of the proposed subject property area in Williamson, County, Tennessee are attached hereto collectively as Exhibit 11.

4. Upon investigation, Petitioner maintains that a franchise is not required by a city and as a result, there will be no franchise fee paid to the local government having jurisdiction over this area.

5. Integra Water Tennessee does not have any other franchises for wastewater utility within Williamson County.

6. The Hardeman Springs project is in its initial stages and is currently under construction. The Hardeman Springs WWTP is planned to serve the 121 home residential subdivision in Williamson County, Tennessee. Anticipated adsorption rates are provided as outlined in Exhibit 16.

7. There are no other jurisdictions able to provide service to the requested service area within the next 12 months as demonstrated hereto in Exhibit 22.

8. There are no know conflicts with other utility providers (public or private) in the proposed service area.

9. Engineering and construction plans are attached as Exhibit 11.

10. A Confidential Financial Statement of the Company will be submitted separately.

11. An estimate of the Cost of Construction is included in Addendum 1 in support of the Petitioners request.

12. Operating and capital proformas are provided in Addendums 2 and 3 as part of this request for the first five years.

13. Project customer growth is provided for the first five years hereto as Exhibit 16.

14. There is no purchase price for the wastewater system. Thus, financing for the construction is not required.

15. Integra Water Tennessee has provided its proposed rates in support of this request.

16. Articles of Organization for Integra Water Tennessee are attached hereto as Exhibit 4.

17. The names and addresses of the owners of the company and percentages are attached hereto as Addendum 1 in support of this application.

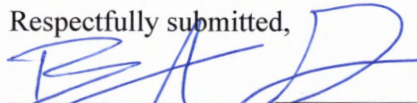
18. A copy of the Service Request is attached hereto as Exhibit 23.

WHEREFORE, PREMISES CONSIDERED, Integra Water Tennessee, LLC prays:

1. That the Authority issue a Certificate of Public Convenience and Necessity to operate the Hardeman Springs Subdivision wastewater treatment facility
2. That the Authority approve a tariff to be filed by the Petitioner with a flat rate monthly rate of \$60 per residential unit and other charges set forth in a tariff and approve the rules and regulations for service in the tariff; and
3. That the Authority grant the Petitioner any other relief to which it is entitled.

Date: February 22, 2017

Respectfully submitted,



Benjamin A. Gastel, BPR (#28699)
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The Freedom Center
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Nashville, Tennessee 37203
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BEFORE THE TENNESSEE REGULATORY COMMISSION - NASHVILLE, TENNESSEE

APPLICATION FOR A CERTIFICATE OF PUBLIC CONVENIENCE & NECESSITY
AND FOR APPROVAL OF RATES

APPLICANT

1. Trade name used for utility business Integra Water Tennessee, LLC
2. Name of owner (if different from trade name) n/a
3. Business mailing address 600 University Park Place, Suite 275
City and state Birmingham, AL Zip Code 35209
4. Business street address (if different from mailing address) Same as above
5. Business telephone number 877-511-2911
6. If corporation, list the following:
President Michael Myers Vice President John McDonald
Secretary John McDonald Treasurer John McDonald
Three (3) largest stockholders and percent of voting shares held by each
Integra Water (95%) and Michael Myers (5%)
7. If partnership, list the owners and percent of ownership held by each
n/a

PROPOSED UTILITY SERVICE AREAS

8. Name of Subdivision or Service Area Hardeman Springs
9. County (or Counties) Williamson County
10. Type of Service (Water and/or Sewer) Sewer

PROPOSED RATES
(Amount Applicant Proposes to Charge)

11. Metered Residential Service:
Water: \$ - Base Rate \$ - Usage (per 1,000 gallons)
Sewer: \$ - Base Rate \$ - Usage (per 1,000 gallons)
12. Flat Rate Residential Service:
Water: \$ - per REU
Sewer: \$ 60.00 per REU
13. Nonresidential Service (explain):
Water: \$ - per REU \$ - Usage (per 1,000 gallons)
Sewer: \$ 60.00 per REU \$ - Usage (per 1,000 gallons)
14. Tap-on fees:
Water: \$ - per REU
Sewer: \$ - per REU
15. Finance charge for late payment 1%
(Not more than one percent (1.0%) per month will be applied to the unpaid balance of all bills still past due 25 days after billing date.)
16. Reconnection charge if water service cut off by utility: n/a
17. Reconnection charge if water service cut off discontinued at customer's request: n/a
18. Reconnection charge if sewer service cut off by utility: Actual Cost
19. Other Charges: a. New account fee: \$20.00;

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PROPOSED BILLING

1. Frequency of billing shall be (monthly, quarterly, etc.) Monthly
2. Billing shall be for service (in advance or arrears) Arrears
3. Bills past due 15 days after billing dates: (Bills shall not be past due less than fifteen (15) days after billing date).
4. Will regular billing be by written statement? (yes or no) Yes
5. Will the billing statement contain the following? (Indicate yes or no for each item)

(a) Meter reading at beginning and end of billing period	No
(b) Date of meter readings	No
(c) Gallons used, based on meter readings	No
(d) Amount due for current billing period listed as a separate amount	Yes
(e) Amount due from previous billing period listed as a separate amount	Yes
(f) Amount due for each special charge (i.e. deposits, tap fees, etc.) listed as a separate amount	Yes
6. Show how the following will appear on the billing statement:
 Mailing address of company PO Box 10127, Birmingham, AL 35202
 Address where bill can be paid in person: Bills cannot be paid in person
 Name and phone number of alternative persons to contact for emergency service after business hours:
1-877-511-2911
7. Is service already metered? (yes or no) No

(Customer deposits must be refunded to customers having not more than two (2) bills overdue during a 12-month period and who are not then delinquent of their bills, per NCUC R12-5.)

PRESENT RATES

8. Are you presently charging for service? If so, describe the rates being charged.
No
9. How long have these rates been in effect? n/a

PERSONS TO CONTACT

	<u>NAME</u>	<u>ADDRESS</u>	<u>TELEPHONE</u>
10. Utility Manager	<u>Michael Myers</u>	<u>4700 Homewood Ct., Suite 108; Raleigh, NC 27609</u>	<u>919-827-4631</u>
11. Complaints or Billing	<u>Shawn Dickson</u>	<u>PO Box 10127; Birmingham, AL 35202</u>	<u>877-511-2911</u>
12. Engineering Operations	<u>Chuck Donnell</u>	<u>4700 Homewood Ct., Suite 108; Raleigh, NC 27609</u>	<u>919-827-4631</u>
13. Emergency Service	<u>EnviroLink</u>	<u>PO Box 670, Bailey, NC 27807</u>	<u>252-235-4900</u>
14. Accounting	<u>Heather Sexton</u>	<u>PO Box 10127; Birmingham, AL 35202</u>	<u>877-511-2911</u>

15. Are the names and phone numbers shown above listed in the phone book by each of the proposed service areas?
(yes or no) No
16. Can customers make phonecalls for service without being charged for a long distance phone call? (yes or no)
Yes
17. Do persons designated to receive phone calls for emergency service, after regular business hours, have the authority to provide the needed repairs without first contacting owner? (yes or no) Yes
18. List the qualifications of the person in charge of the utility system:
Attached.
19. List the date(s) and describe any TDEC violation(s) since the last application for franchise, transfer or rate increase: n/a

Fill in one column for each subdivision or service area.

	(1)	(2)	(3)
1. Name of subdivision or service area	Hardeman Springs		
2. County (or Counties)	Williamson		
3. Type of service (water, sewer, etc.)	Sewer		
4. If water is purchased, list from whom	n/a		
5. Source of water supply (wells, etc.)	n/a		
6. Number of wells in service	n/a		
7. Pumping capacity of each pump in service	n/a		
8. Elevated storage tank capacity (gals.)	n/a		
9. Pressure tank capacity (gals.)	n/a		
10. Type of water treatment (chlorine, etc.)	n/a		
11. Number of fire hydrants installed	n/a		
12. Is sewage disposal by septic tank or by sewer system?	Sewer System		
13. If disposal is by sewer system, is sewage treated by utility company or by others?	Utility Co.		
14. Capacity of Company's sewage treatment plant (gallons per day)			
15. Is service metered? (yes or no)	No		
16. Number of water meters in use	n/a		
17. Number of service taps in use (list number of each size)	0		
	Water		
	n/a		
	n/a		
	Sewer		
	STEP = 0		
18. Number of customers at the end of test year	Water		
	n/a		
	Sewer		
19. Number of customers that can be served by mains already installed (including present customers, vacant lots, etc.)	Water		
	n/a		
	Sewer		
	0		
20. Number of customers that can be served by pumping capacity	Water		
	n/a		
21. Number of customers that can be served by storage tank capacity	Water		
	n/a		
22. Number of customers that can be served by treatment plant capacity	Sewer		
	121 REU		
23. Name of nearest water/sewer utility system	Nolensville College Grove		
24. Distance to nearest water/sewer utility system	> 5 miles		
25. Does any other person or utility seek to furnish the service(s) proposed herein? (yes or no)	No.		
26. a. TDEC System I.D. No.	Water		
	n/a		
b. TDEC Permit No.	Sewer		
	Application submitted		

1. Will a separate set of books be maintained for the utility business?
Yes _____
2. Will a separate bank account be maintained for the utility business?
No _____
3. Are the revenues and expenses listed below based on past operations or are they estimated for future operations?
(actual or estimated) _____ Estimated for future operations _____

REVENUES AND EXPENSES

For 12 Months Ended Estimated December 2017 (Date)

<u>Revenues</u>	<u>Water</u>	<u>Sewer</u>
4. Residential service (flat rate)	\$ -	\$ 12,960.00
5. Residential service (metered rate)	\$ -	\$ -
6. Nonresidential service (flat rate)	\$ -	\$ -
7. Nonresidential service (metered rate)	\$ -	\$ -
8. Other revenues (described in remarks below)	\$ -	\$ 259.20
9. Total Revenues (Lines 4 thru 8)	\$ -	\$ 13,219.20
10. Total salaries	\$ -	\$ -
11. Salaries paid to owner	\$ -	\$ 15,000.00
12. Administrative and office expense (except salaries)	\$ -	\$ 16,876.00
13. Maintenance and repair expense (except salaries)	\$ -	\$ 15,600.00
14. Transportation expenses	\$ -	\$ -
15. Electric power for pumping	\$ -	\$ 3,120.00
16. Chemicals for treatment	\$ -	\$ 2,000.00
17. Testing fees	\$ -	\$ 3,600.00
18. Permit fees	\$ -	\$ 250.00
19. Purchase water/sewer treatment	\$ -	\$ -
20. Annual depreciation	\$ -	\$ -
21. Taxes: State Income taxes	\$ -	\$ -
22. Federal income taxes	\$ -	\$ -
23. Gross receipt taxes	\$ -	\$ -
24. Property taxes	\$ -	\$ -
25. Payroll taxes	\$ -	\$ -
26. Other taxes	\$ -	\$ -
27. Interest on debt during year	\$ -	\$ -
28. Other expenses (describe in remarks below)	\$ -	\$ 11,440.00
29. Total Expenses (lines 10 thru 28)	\$ -	\$ 67,886.00
30. Net Income (Line 9 minus 29)	\$ -	\$ (54,666.80)

See Note A

See Note B

Remarks

31. Note A - Refer to A&O Expense Schedule for details
32. Note B - Refer to Other Expense Schedule for details
33. _____
34. _____
35. _____

	Number of Customers Served			
	Water		Sewer	
	Flat Rate	Metered	Flat Rate	Metered
36. Customers at beginning of year	0	0	0	0
37. Customers at end of year	0	0	12	0
38. Average gallons used per customer			2500	per month

1. Is the cost of utility system listed below on past operation, or is it estimated for future operation?
(actual or estimated) Estimated.
2. Does the cost of utility system listed below represent the cost to the Applicant herein? (yes or no)
No
If no, list cost (purchase price to Applicant). _____

ORIGINAL COST OF UTILITY SYSTEM
As of Year Ended December 2017 (Date)

Note: List the total original cost to construct and establish the system, whether or not paid for by the present owner.

<u>Utility Property in Service</u>	<u>Balance at End of Year</u>	
	<u>Water</u>	<u>Sewer</u>
3. Land and right-of-way	\$ -	\$ -
4. Structures and site improvement	\$ -	\$ -
5. Wells	\$ -	\$ -
6. Pumping equipment	\$ -	\$ 72,000.00 Estimated
7. Treatment equipment	\$ -	\$ 172,400.00 Estimated
8. Storage tanks	\$ -	\$ -
9. Mains (excluding service connections)	\$ -	\$ 620,000.00 Estimated
10. Service Connections	\$ -	\$ 31,000.00 Estimated
11. Meters (including spare meters)	\$ -	\$ -
12. Office furniture and equipment	\$ -	\$ -
13. Transportation equipment	\$ -	\$ -
14. Other utility property in service (describe in remarks below)	\$ -	\$ -
15. Total utility property in service (Lines 3 thru 14)	\$ -	\$ 895,400.00
16. Less: accumulated depreciation	\$ -	\$ -
17. Less: accumulated tap fees and other contributions in aid of construction	\$ -	\$ 895,400.00
18. Less: customer advances	\$ -	\$ -
19. Net investment in utility property (Line 15 minus 16, 17, & 18)	\$ -	\$ -

<u>Utility Property Not in Service</u>	<u>Balance at End of Year</u>	
	<u>Water</u>	<u>Sewer</u>
20. Construction work in progress	\$ -	\$ -
21. Property held for future use	\$ -	\$ -
22. Other (describe in remarks below)	\$ -	\$ -

Remarks

23. Per agreement Developer installs system at no cost to Utility.

24. _____
25. _____
26. _____
27. _____
28. _____
29. _____
30. _____
31. _____
32. _____

1. Amount to be contributed by developer
2. Amount to be recovered through tap fees
3. Amount to be recovered through rates
4. Other (please describe below on Line 6)

6. Description of other:

7. Annual depreciation claimed using a composite rate for the entire system. Below is the rate of depreciation used

Sewer: When the system is actually recorded in the asset accounts, IW TN will use account specific depreciation rates

Useful Life of Assets		Useful Life of Assets	
Component	Expected Life (years)	Component	Expected Useful Life (years)
Water System		Wastewater	
Pipes	50	Pipes	50
Main Valves	25	Manholes	50
Post Indicator Valves	35	Cleanout Tees	50
Fire Hydrants	25	Lift Stations -	50
Water Storage Tank	75	Lift Station -	15
Pump Stations - Mechanical/Electrical	20	SCADA	5
Pump Stations - Structural	60	Treatment -	50
Backflow Preventors	25	Treatment -	15
Meters	25		
SCADA	5		
Treatment - Structural	60		
Treatment - Mechanical/Electrical	20		
Services	50		

1. Capital structure information for the Company prior to the purchase of the new water and/or sewer system(s)

a. Capital structure as of Jan-17

b. Capital structure balances:

	Amount	Capital
Long-term debt/loans	\$ -	
Preferred stock (if any)	\$ -	
Common equity:		
Capital Reserve	\$ -	
Retained earnings	\$ -	
Total common equity	\$ -	
Total Capital	\$ -	

2. The purchase price of the system will be financed as follows:

a. Long term debt	\$ -
b. Short term debt	\$ -
c. Capital Reserve	\$ -
d. Retained earnings	\$ -
e. Other (please describe below on Line g)	\$ -
f. Total purchase price	\$ -

g. Description of other: There is no purchase price for the system

3 Improvements/additions to be made in the first year

a. Brief Description: Plant will be under warranty, no improvements or additions are planned.

b. Financing:

(1) Long-term debt	\$ -
(2) Short-term debt	\$ -
(3) Capital Reserve	\$ -
(4) Retained earnings	\$ -
(5) Other (please describe below on Line (7))	\$ -
(6) Total improvements/additions	\$ -

(7) Description of other _____

1. Major improvements/additions required in the next five years and the next ten years? Includes, the estimated cost of each improvement/addition, the year it will be made, and how it will be financed (long-term debt, short-term debt, common stock, retained earnings, and other (please explain)).

None

2. Major replacements required in the next five years and the next ten years? Includes the estimated cost of each replacement, the year it will be made, and how it will be financed (long-term debt, short-term debt, common stock, retained earnings, and other (please explain)).

There are no replacements required.

3. Attached addendum provide the projected cash flows and income statement for the first five years of operation of this system. This addendum is for the utility system for which the subject application is being submitted, exclusively. The following information may be provided instead of filing the addendum:

- (1) Audited financial statements for the utility and/or parent company.
See attached confidential addendum
- (2) Budgets, capital and operating, for the company's Tennessee utility operations for the next five years
See attached addendum
- (3) The most recent fiscal year budgets, capital and operating, and the actual amounts for that year for the utility's and/or parent company's Tennessee utility operations.
See attached addendum

THE FOLLOWING EXHIBITS ARE ATTACHED TO THE APPLICATION (as applicable)

1. Articles of Incorporation on file with the Tennessee Secretary of State. **Attached**
2. Enclosed is a copy of the application to the Tennessee Department of Environment & Conservation requesting approval of the plans for each water system. **n/a**
3. Enclosed is a copy of the application to the Tennessee Department of Environment & Conservation requesting approval of the plans for each sewer system. **Attached**
4. Enclosed is a copy of the chemical analysis of untreated water from each well. (This should not be confused with monthly samples submitted to TDEC for bacteriological analysis. Contact TDEC for instructions to obtain a sample for chemical analysis.)
n/a
5. Enclosed is a copy of purchase agreements or contracts showing provisions for ownership or control of the water or sewer systems, including sites for wells or treatment plants. **n/a**
6. Enclosed is a copy of contracts or agreements, including all attachments, exhibits, and appendices, between the utility and any other party (land developers, customers, etc.) regarding the proposed utility services, including contracts regarding tap fees, construction costs, easements, and rights-of-way, etc. (if non, write "none"). **None**
7. Enclosed is a vicinity map showing the location of the proposed subdivisions or service areas in sufficient detail for someone not familiar with the county to locate the subdivisions. (A county roadmap with the subdivision outlined is suggested.) **Attached**
8. Enclosed are maps of the subdivisions in sufficient detail to show the layout of streets, lots, the water or sewer mains, hydrants, wells, pumping equipment, treatment facilities, storage facilities, etc. **Attached**
9. Enclosed is a copy of the workpapers supporting the estimate of the plant costs, including a breakdown by type of plant item, showing the detail of how the estimated cost was determined, and indicating which plant items, if any, will be contributed to the utility.
Attached
10. Enclosed is a copy of the most recent fiscal year financial statements, audited if available, for the parent company of the Applicant. **Submitted separately as Confidential Information**
11. Filings shall be submitted to the **Tennessee Regulatory Authority** pursuant to Tenn. Comp. R. & Regs. 1220-1-1-.03 and .0

FILING INSTRUCTIONS

12. Thirteen (13) copies of the application and exhibits shall be filed with the **Chairman, Tennessee Regulatory Authority, c/o Sharla Dillon, Dockets and Records Manager, 502 Deaderick Street, 4th Floor Nashville, Tennessee 37243.** Alternatively, Application may be submitted Electronically. Indicate filing procedure used. **Electronic**
13. Enclose a filing fee as required.
PAYABLE TO THE .

SIGNATURE

14. Application shall be signed and verified by the Applicant.

Signature: 

Date: 2-14-17

15. (Typed or Printed Name) Michael J Myers

personally appearing before me and being first duly sworn, says that the information contained in this application and in the exhibits attached hereto are true to the best of his/her knowledge and belief.

This the _____ day of _____

Notary Public

Address

My Commission Expires: _____
Date

List of Addendum & Exhibits

Proposed Service Area: Hardeman Springs

Addendum

1. Supplemental Application in Support of Request
2. Income Statement
3. Cash Flow

Attached, On File, Provided upon

Attached
 Attached
 Attached

Exhibits

1. TN Operator License
2. Petition
3. Prefiled Testimony
4. Articles of Incorporation
5. TDEC Application - Water
6. TDEC Application - Sewer
7. Chemical Analysis Report
8. Deeds
9. Contract
10. Vicinity Map
11. Water/Sewer System Plan
12. Estimated Cost
13. Audited Financial Report on Integra Water Tennessee
14. Audited Financial Report on Integra Water
15. Capital Plan
16. Customer Adsorption
17. G&A Summary
18. TN Region OH Allocation
19. TN Corporate OH Allocation
20. Biosolids Disposal Cost Calculation
21. Biosolids Generation Calculation
22. Local Government Indication of Ability to Serve
23. Utility Service Request

Attached
 Attached
 Attached
 Attached
 n/a
 Attached
 n/a
 Provided after recordation
 Provided seperately
 Attached
 Attached
 Refer to Adendum 1
 Submitted Seperately as Confidential Information
 Submitted Seperately as Confidential Information
 Refer to Adendum 1
 Attached
 Provided upon request
 Provided upon request
 Provided upon request
 n/a
 n/a
 Attached
 Attached

ADDENDUM 2 TO APPLICATION FOR CERTIFICATE OF PUBLIC CONVENIENCE AND NECESSITY AND FOR APPROVAL OF RATES
Projected Income Statement

Line No.	Item	Year 1	Year 2	Year 3	Year 4	Year 5
<u>Operating Revenue</u>						
1	Metered Service Revenue	\$ -	\$ -	\$ -	\$ -	\$ -
2	Flat Rate Service Revenue	\$ 12,960.00	\$ 39,960.00	\$ 75,600.00	\$ 113,400.00	\$ 130,680.00
3	EPA Testing Surcharge	\$ -	\$ -	\$ -	\$ -	\$ -
4	Re-Connect Fees	\$ 129.60	\$ 399.60	\$ 756.00	\$ 1,134.00	\$ 1,306.80
5	<u>Returned Check Charge</u>	\$ 64.80	\$ 199.80	\$ 378.00	\$ 567.00	\$ 653.40
6	Late Payment Charge	\$ 64.80	\$ 199.80	\$ 378.00	\$ 567.00	\$ 653.40
7	Other Operating Revenue	\$ -	\$ -	\$ -	\$ -	\$ -
8	Total Operating Revenue (Sum of Line 1 thru Line 7)	\$ 13,219.20	\$ 40,759.20	\$ 77,112.00	\$ 115,668.00	\$ 133,293.60
<u>Operating Expenses</u>						
9	Total salaries and wages (employees only)	\$ -	\$ -	\$ -	\$ -	\$ -
10	Outside labor expenses (non-employee)	\$ 15,000.00	\$ 15,300.00	\$ 15,606.00	\$ 15,918.12	\$ 16,236.48
11	Administrative and office expenses	\$ 17,126.00	\$ 17,468.52	\$ 17,817.89	\$ 18,174.25	\$ 18,537.73
12	Maintenance and repair expense	\$ 15,600.00	\$ 15,912.00	\$ 16,230.24	\$ 16,554.84	\$ 16,885.94
13	Purchased water	\$ -	\$ -	\$ -	\$ -	\$ -
14	Purchased sewerage treatment	\$ -	\$ -	\$ -	\$ -	\$ -
15	Electric power expense	\$ 3,120.00	\$ 3,182.40	\$ 3,246.05	\$ 3,310.97	\$ 3,377.19
16	Chemical expense	\$ 2,000.00	\$ 2,040.00	\$ 2,080.80	\$ 2,122.42	\$ 2,164.86
17	Testing fees	\$ 3,600.00	\$ 3,672.00	\$ 3,745.44	\$ 3,820.35	\$ 3,896.76
18	Transportation expense	\$ -	\$ -	\$ -	\$ -	\$ -
19	Other operating expense	\$ 11,440.00	\$ 11,668.80	\$ 11,902.18	\$ 12,140.22	\$ 12,383.02
20	Total operation and maintenance expenses (sum of Line 9 thru Line 19)	\$ 67,886.00	\$ 69,243.72	\$ 70,628.59	\$ 72,041.17	\$ 73,481.99
21	Annual depreciation expense	\$ -	\$ -	\$ -	\$ -	\$ -
22	Property taxes paid on utility property	\$ -	\$ -	\$ -	\$ -	\$ -
23	Payroll taxes	\$ -	\$ -	\$ -	\$ -	\$ -
24	Franchise (gross receipts tax)	\$ -	\$ -	\$ -	\$ -	\$ -
25	Annual NCUC regulatory fee	\$ -	\$ -	\$ -	\$ -	\$ -
26	Total operating expenses (Sum of Line 20 thru Line 25)	\$ 67,886.00	\$ 69,243.72	\$ 70,628.59	\$ 72,041.17	\$ 73,481.99
27	Income Taxes					
28	State income taxes	\$ -	\$ -	\$ 518.67	\$ 3,490.15	\$ 4,784.93
29	Federal income taxes	\$ -	\$ -	\$ 2,269.19	\$ 15,269.39	\$ 20,934.06
30	Total income taxes	\$ -	\$ -	\$ 2,787.86	\$ 18,759.54	\$ 25,718.99
31	Net operating income	\$ (54,666.80)	\$ (28,484.52)	\$ 6,483.41	\$ 43,626.83	\$ 59,811.61
32	Interest expense	\$ -	\$ -	\$ -	\$ -	\$ -
33	Net income	\$ (54,666.80)	\$ (28,484.52)	\$ 6,483.41	\$ 43,626.83	\$ 59,811.61

ADDENDUM 3 TO APPLICATION FOR CERTIFICATE OF PUBLIC CONVENIENCE AND NECESSITY AND FOR APPROVAL OF RATES
Statement of Cash Flows

Line No.	Item	Year 1	Year 2	Year 3	Year 4	Year 5
<u>Cash Flows From Operating Activities</u>						
1	Pre-tax operating income (loss)					
2	Total operating revenue	\$ 13,219.20	\$ 40,759.20	\$ 77,112.00	\$ 115,668.00	\$ 133,293.60
3	Less: Operation and maintenance expenses	\$ 67,866.00	\$ 69,243.72	\$ 70,628.59	\$ 72,041.17	\$ 73,481.99
4	Less: Taxes other than income	\$ -	\$ -	\$ -	\$ -	\$ -
5	Pre-tax operating income (loss)	\$ (54,666.80)	\$ (28,484.52)	\$ 6,483.41	\$ 43,626.83	\$ 59,811.61
<u>Income Tax Calculation:</u>						
6	Pre-tax operating income (loss)	\$ (54,666.80)	\$ (28,484.52)	\$ 6,483.41	\$ 43,626.83	\$ 59,811.61
7	Plus: Contributions in aid of construction	\$ -	\$ -	\$ -	\$ -	\$ -
8	Less: Tax depreciation	\$ -	\$ -	\$ -	\$ -	\$ -
9	Less: Interest expense	\$ -	\$ -	\$ -	\$ -	\$ -
10	Taxable income (loss)	\$ (54,666.80)	\$ (28,484.52)	\$ 6,483.41	\$ 43,626.83	\$ 59,811.61
11	State income tax	\$ -	\$ -	\$ 518.67	\$ 3,490.15	\$ 4,784.93
12	Federal income tax	\$ -	\$ -	\$ 2,269.19	\$ 15,269.39	\$ 20,934.06
13	Total income taxes to be paid	\$ -	\$ -	\$ 2,787.86	\$ 18,759.54	\$ 25,718.99
14	Net cash provided by (used in) operating activities	\$ (54,666.80)	\$ (28,484.52)	\$ 3,695.54	\$ 24,867.30	\$ 34,092.62
<u>Cash Flows from Investing Activities</u>						
15	Purchases of utility plant	\$ -	\$ -	\$ -	\$ -	\$ -
16	Plus: Cash bonds posted	\$ -	\$ -	\$ -	\$ -	\$ -
17	Less Contributions in aid of construction	\$ -	\$ -	\$ -	\$ -	\$ -
18	Less: Proceeds from disposal of utility plant	\$ -	\$ -	\$ -	\$ -	\$ -
19	Net cash used (provided) by investing activities	\$ -	\$ -	\$ -	\$ -	\$ -
<u>Cash Flows From Financing Activities</u>						
20	Proceeds from issuing short term debt	\$ -	\$ -	\$ -	\$ -	\$ -
21	Less: Principal repayment of short term debt	\$ -	\$ -	\$ -	\$ -	\$ -
22	Plus: Proceeds from issuing long term debt	\$ -	\$ -	\$ -	\$ -	\$ -
23	Less: Principal repayment of long term debt	\$ -	\$ -	\$ -	\$ -	\$ -
24	Less: Interest payment for short and long term debt	\$ -	\$ -	\$ -	\$ -	\$ -
25	Plus: Proceeds from issuing stock	\$ -	\$ -	\$ -	\$ -	\$ -
26	Less: Dividends paid	\$ -	\$ -	\$ -	\$ -	\$ -
27	Plus: Funds provided by owner	\$ -	\$ -	\$ -	\$ -	\$ -
28	Net cash provided (used) by financing activities	\$ -	\$ -	\$ -	\$ -	\$ -
29	Net increase (decrease) in cash	\$ (54,666.80)	\$ (28,484.52)	\$ 3,695.54	\$ 24,867.30	\$ 34,092.62
30	Cash balance at beginning of year	\$ -	\$ (54,666.80)	\$ (83,151.32)	\$ (79,455.78)	\$ (54,588.48)
31	Cash balance at end of year	\$ (54,666.80)	\$ (83,151.32)	\$ (79,455.78)	\$ (54,588.48)	\$ (20,495.87)

Serial No. 9344

State of Tennessee
Department of Environment and Conservation



Water and Wastewater Operator Certification Board
Issues This

Certificate of Competency
as Testimony That
Cecil R. Brown

has satisfactorily fulfilled the requirements set forth by the

Water and Wastewater Operator Certification Board

and is therefore, by these presents, entitled to recognition as a

Biological/Natural Systems

In Witness Whereof, we have subscribed our names and affixed our Seal

Certificate No. 3536 Dated 11/7/2013

Recommended Alan C. Campbell

Approved R. H. [Signature] Commissioner.

Attest

[Signature]
Board Secretary



STATE OF TENNESSEE
Tre Hargett, Secretary of State
Division of Business Services
William R. Snodgrass Tower
312 Rosa L. Parks AVE, 6th FL
Nashville, TN 37243-1102

Integra Water Tennessee LLC
STE 275
600 UNIVERSITY PARK PL
BIRMINGHAM, AL 35209-6789

October 20, 2016

Filing Acknowledgment

Please review the filing information below and notify our office immediately of any discrepancies.

SOS Control # :	000871673	Formation Locale:	TENNESSEE
Filing Type:	Limited Liability Company - Domestic	Date Formed:	10/20/2016
Filing Date:	10/20/2016 4:05 PM	Fiscal Year Close:	12
Status:	Active	Annual Report Due:	04/01/2017
Duration Term:	Perpetual	Image # :	B0301-2126
Managed By:	Member Managed		

Document Receipt

Receipt # : 002938070	Filing Fee:	\$300.00
Payment-Check/MO - BRANSTETTER STRANCH & JENNINGS, PLLC, NASHVILLE, TN		\$300.00

Registered Agent Address:
BRANSTETTER, STRANCH & JENNINGS, PLLC
STE 200
223 ROSA L PARKS AVE
NASHVILLE, TN 37203-3513

Principal Address:
STE 275
600 UNIVERSITY PARK PL
BIRMINGHAM, AL 35209-6789

Congratulations on the successful filing of your **Articles of Organization** for **Integra Water Tennessee LLC** in the State of Tennessee which is effective on the date shown above. You must also file this document in the office of the Register of Deeds in the county where the entity has its principal office if such principal office is in Tennessee. Please visit the Tennessee Department of Revenue website (apps.tn.gov/bizreg) to determine your online tax registration requirements. If you need to obtain a Certificate of Existence for this entity, you can request, pay for, and receive it from our website.

You must file an Annual Report with this office on or before the Annual Report Due Date noted above and maintain a Registered Office and Registered Agent. Failure to do so will subject the business to Administrative Dissolution/Revocation.

Processed By: Jeffrey Lankford


Tre Hargett
Secretary of State

Phone (615) 741-2286 * Fax (615) 741-7310 * Website: <http://tnbear.tn.gov/>

ARTICLES OF ORGANIZATION LIMITED LIABILITY COMPANY (ss-4270)

Page 1 of 2



Business Services Division
Tre Hargett, Secretary of State
State of Tennessee
312 Rosa L. Parks AVE, 6th Fl.
Nashville, TN 37243-1102
(615) 741-2286

Filing Fee: \$50.00 per member
(minimum fee = \$300, maximum fee = \$3,000)

For Office Use Only

FILED

The Articles of Organization presented herein are adopted in accordance with the provisions of the Tennessee Revised Limited Liability Company Act.

1. The name of the Limited Liability Company is: Integra Water Tennessee LLC

(NOTE: Pursuant to the provisions of T.C.A. §48-249-106, each Limited Liability Company name must contain the words "Limited Liability Company" or the abbreviation "LLC" or "L.L.C.")

2. Name Consent: (Written Consent for Use of Indistinguishable Name)

☐ This entity name already exists in Tennessee and has received name consent from the existing entity.

3. This company has the additional designation of: N/A

4. The name and complete address of the Limited Liability Company's initial registered agent and office located in the state of Tennessee is:

Name: Branstetter Stranch & Jennings PLLC

Address: 223 Rosa L. Parks Avenue, Suite 200

City: Nashville State: TN Zip Code: 37203 County: Davidson

5. Fiscal Year Close Month: December

6. If the document is not to be effective upon filing by the Secretary of State, the delayed effective date and time is: (Not to exceed 90 days)

Effective Date: Month / Day / Year Time: N/A

7. The Limited Liability Company will be: ☒ Member Managed ☐ Manager Managed ☐ Director Managed

8. Number of Members at the date of filing: 1

9. Period of Duration: ☒ Perpetual ☐ Other Month / Day / Year

10. The complete address of the Limited Liability Company's principal executive office is:

Address: 600 University Park Place, Suite 275

City: Birmingham State: Alabama Zip Code: 35202

County: _____

ARTICLES OF ORGANIZATION LIMITED LIABILITY COMPANY (ss-4270)

Page 2 of 2



Business Services Division
Tre Hargett, Secretary of State
State of Tennessee
312 Rosa L. Parks AVE, 6th Fl.
Nashville, TN 37243-1102
(615) 741-2286

Filing Fee: \$50.00 per member
(minimum fee = \$300, maximum fee = \$3,000)

For Office Use Only

The name of the Limited Liability Company is: Integra Water Tennessee LLC

11. The complete mailing address of the entity (if different from the principal office) is:
600 University Park Place, Suite 275

Address: _____
City: Birmingham State: AL Zip Code: 35202

12. Non-Profit LLC (required only if the Additional Designation of "Non-Profit LLC" is entered in section 3.)

- ☐ I certify that this entity is a Non-Profit LLC whose sole member is a nonprofit corporation, foreign or domestic, incorporated under or subject to the provisions of the Tennessee Nonprofit Corporation Act and who is exempt from franchise and excise tax as not-for-profit as defined in T.C.A. §67-4-2004. The business is disregarded as an entity for federal income tax purposes.

N/A

13. Professional LLC (required only if the Additional Designation of "Professional LLC" is entered in section 3.)

- ☐ I certify that this PLLC has one or more qualified persons as members and no disqualified persons as members or holders.

Licensed Profession: _____

N/A

14. Series LLC (required only if the Additional Designation of "Series LLC" is entered in section 3.)

- ☐ I certify that this entity meets the requirements of T.C.A. §48-249-309(a) & (b)

N/A

15. Obligated Member Entity (list of obligated members and signatures must be attached)

- ☐ This entity will be registered as an Obligated Member Entity (OME) Effective Date: _____
Month Day Year

- ☐ I understand that by statute: THE EXECUTION AND FILING OF THIS DOCUMENT WILL CAUSE THE MEMBER(S) TO BE PERSONALLY LIABLE FOR THE DEBTS, OBLIGATIONS AND LIABILITIES OF THE LIMITED LIABILITY COMPANY TO THE SAME EXTENT AS A GENERAL PARTNER OF A GENERAL PARTNERSHIP. CONSULT AN ATTORNEY.

16. This entity is prohibited from doing business in Tennessee:

- ☐ This entity, while being formed under Tennessee law, is prohibited from engaging in business in Tennessee.

17. Other Provisions: _____

10-20-2016

Signature Date

Signature

Organizer
Signer's Capacity (if other than individual capacity)

Benjamin A. Gastel
Name (printed or typed)

**Articles of Organization
Of
INTEGRA WATER TENNESSEE LLC**

Pursuant to the provisions of *Tenn. Code Ann. Section 48-101-801*, the undersigned organizer files these Articles of Organization of a **LIMITED LIABILITY COMPANY** as follows:


1. The name of the limited liability company is Integra Water Tennessee, LLC.
2. The name and address of the initial registered agent and registered office (or a mailing address such as a post office box if the United States postal service does not deliver to the initial registered office) are: Benjamin A. Gastel, Branstetter, Stranch, and Jennings, PLLC, 223 Rosa Parks Ave, Second Floor, Nashville, TN 37203.
3. The name and address of each organizer is: Benjamin A. Gastel, 223 Rosa Parks Ave., Second Floor, Nashville, TN 37203.
4. The limited liability company will be member managed.
5. There is one (1) members at the date of the filing of the Articles.
6. The existence of the limited liability company will begin upon the filing of the Articles.
7. The address of the principal executive office of the limited liability company (or a mailing address such as a post office box if the United States postal service does not deliver to the principal office) is Integra Water, LLC 600 University Park Place, Suite 275 Birmingham, Alabama 35202.
8. The limited liability company has the power to expel a member.
9. The limited liability company shall be perpetual.
10. The members, parties (other than the limited liability company) to a contribution agreement or a contribution allowance agreement do not have pre-emptive rights.
11. The assignment of any governance rights is effective if the assignment is approved by the members and parties to contribution agreements holding a majority of the voting power which would exist if the parties to contribution agreements were members, exclusive of the voting power held by the members seeking to make the assignment.
12. (a) The limited liability company shall indemnify every person who is or was a party of is or was threatened to be made a party to any action, suit or proceeding, whether civil, criminal, administrative or investigative, by reason of the fact that he or she is or was serving at the request of the limited liability company as a governor, manager, director, officer, partner, trus-

{005052/15319/00384162.RTF / Ver.1}

tee, employee or agent of another foreign or domestic limited liability company, corporation, partnership, limited partnership, joint venture, employee benefit plan or other enterprise, including service on a committee formed for any purpose (and in each case, his or her heirs, executors, administrators and personal representatives), against all expense, liability and loss (including counsel fees, judgments, fines, ERISA excise taxes, penalties and amounts paid in settlement) incurred or suffered in connection with such action to the fullest extent permitted by the Act and applicable law, as in effect on the date hereof and as hereafter amended. Such indemnification may include advances or reimbursement of expenses in advance of final disposition of such action, suit or proceeding, subject to the provision of the Act and applicable law.

(b) The indemnification and advancement of expenses provisions of subsection (a) shall not be exclusive of any other right which any person (and his or her heirs, executors and administrators) may have or hereafter acquire under the Act, applicable law, provision of the Articles of Organization, the limited liability company's Operating Agreement, in a resolution of members, an agreement providing for such indemnification or advancement of expenses, or insurance, purchased by the limited liability company or otherwise, both as to action in his or her official capacity and as to action in another capacity. The limited liability company is hereby authorized to provide for indemnification and advancement of expenses through its Articles of Organization, Operating Agreement, resolution of members and agreement.

IN WITNESS WHEREOF, the organizer has executed these Articles of Organization this 20th day of October, 2016.


Benjamin A. Gastel
Capacity: Organizer



STATE OF TENNESSEE
Tre Hargett, Secretary of State
Division of Business Services
William R. Snodgrass Tower
312 Rosa L. Parks AVE, 6th FL
Nashville, TN 37243-1102

Filing Information

Name: **Integra Water Tennessee LLC**

General Information

SOS Control #	000871673	Formation Locale:	TENNESSEE
Filing Type:	Limited Liability Company - Domestic	Date Formed:	10/20/2016
	10/20/2016 4:05 PM	Fiscal Year Close	12
Status:	Active	Member Count:	1
Duration Term:	Perpetual		
Managed By:	Member Managed		

Registered Agent Address
BRANSTETTER, STRANCH & JENNINGS, PLLC
STE 200
223 ROSA L PARKS AVE
NASHVILLE, TN 37203-3513

Principal Address
STE 275
600 UNIVERSITY PARK PL
BIRMINGHAM, AL 35209-6789

The following document(s) was/were filed in this office on the date(s) indicated below:

Date Filed	Filing Description	Image #
10/20/2016	Initial Filing	B0301-2126

Active Assumed Names (if any)	Date	Expires
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SOP APPLICATION – page 1

Permit Number: SOP-_____

Type of application: ☒ New Permit ☐ Permit Reissuance ☐ Permit Modification

Permittee Identification: (Name of city, town, utility, industry, corporation, individual, etc., applying, according to the provisions of Tennessee Code Annotated Section 69-3-108 and Regulations of the Tennessee Water Quality Control Board.)	
Permittee Name (applicant):/Facility Name	Integra Water Tennessee, LLC
Permittee Address:	600 University Park Place Suite 275 Birmingham, Alabama 35209

Official Contact: Michael Myers	Title or Position: President		
Mailing Address: 4700 Homewood Court, Suite 108	City: Raleigh	State: NC	Zip: 27609
Phone number(s): (888) 754-9878	E-mail: mmyers@envirolinkinc.com		

Optional Contact:	Title or Position:		
Address:	City:	State:	Zip:
Phone number(s):	E-mail:		


Application Certification (must be signed in accordance with the requirements of Rule 1200-4-5-.05)		
I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.		
Name and title; print or type Michael J. Myers, President	Signature 	Date 12.22.16

Exhibit 6

OFFICIAL STATE USE ONLY

Received Date	Permit Number SOP	Field Office	Reviewer
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Permit Number: SOP-_____

Facility Identification:		Existing Permit No.	
Facility Name: Hardeman Springs TF		County:	Williamson
Facility Address or Location: Along Murfreesboro Road just east of Meadowbrook Drive		Latitude:	N 35° 51'39"
		Longitude:	W 86° 40'10"
Name of Engineer for the project: James F. Reed III P.E., R.L.S.			
Engineer address and phone number:		850 Middle Tennessee Blvd.	615-890-7901
Name and distance to nearest receiving waters: Tributary to Arrington Creek and Wilson Branch splits the property			
If any other State or Federal Water/Wastewater Permits have been obtained for this site, list their permit numbers: None			
Name of company, utility, or governmental entity that will operate the permitted system: Integra Water Tennessee, LLC			
Operator address: 4700 Homewood Ct., Suite 108 Raleigh, NC 27609			
Has the owner/operator filed for a Certificate of Convenience & Necessity (CCN), or an amended CCN, with the Tennessee Regulatory Authority (TRA) (may be required for collection systems and land application treatment systems)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
If the applicant listed above does not yet own the facility/site or if the applicant will not be the operator, explain how and when the ownership will be transferred or describe the contractual arrangement and renewal terms of the contract for operations. Integra Wtaer Tennessee, LLC will own the facility and site.			
Name of Public Water Provider: Nolensville College Grove Utility District Mike Polston 615-794-5947 Mike Polston <mpolston@ncgud.com>			
List Standard Industrial Codes (SIC)/ North American Industrial Code (s) (NAIC) for proposed activity (these are located at http://www.census.gov/epcd/www/naicstab.htm) 4941 - water system, 4959 – Sewage treatment, 4971 - Irrigation			
Complete the following information explaining the entity type, number of design units, and daily design wastewater flow:			
<u>Entity Type</u>	<u>Number of Design Units</u>		<u>Flow (gpd)</u>
<input type="checkbox"/> City, town or county	No. of connections:		
<input checked="" type="checkbox"/> Subdivision	No. of homes: 121	Avg. No. bedrooms per home: 3-4 @ 300gpd/home	36,300
<input type="checkbox"/> School	No. of students:	Size of cafeteria(s): No. of showers: 0	
<input type="checkbox"/> Apartment	No. of units:	No. units with Washer/Dryer hookups: No. units without W/D hookups:	
<input type="checkbox"/> Commercial Business	No. of employees:	Type of business:	
<input type="checkbox"/> Industry	No. of employees:	Product(s) manufactured:	
<input type="checkbox"/> Resort	No. of units:		
<input type="checkbox"/> Camp	No. of hookups:		
<input type="checkbox"/> RV Park	No. of hookups:	No. of dump stations:	
<input type="checkbox"/> Car Wash	No. of bays:		
<input type="checkbox"/> Other			
Describe the type and frequency of activities that result in wastewater generation. The treatment and land application of typical domestic waste.			

Permit Number: SOP-_____

Engineering Report (required for collection systems and/or land application treatment systems):		<input type="checkbox"/> N/A
<input checked="" type="checkbox"/> Prepared in accordance with Rule 1200-4-2-.03 and Section 1.2 of the Tennessee Design Criteria (see website for more information)		
<input checked="" type="checkbox"/> Attached, or		
<input type="checkbox"/> Previously submitted and entitled:		Approved? <input type="checkbox"/> Yes. Date: <input type="checkbox"/> No

Wastewater Collection System:		<input type="checkbox"/> N/A
System type (i.e., gravity, low pressure, vacuum, combination, etc.): Watertight effluent pressure collection system		
System Description: 2", 3", and 4" diameter SDR 21 PVC pressure pipe and required fittings		
Describe methods to prevent and respond to any bypass of treatment or discharges (i.e., power failures, equipment failures, heavy rains, etc.): Each home has a minimum of 24-36 hours storage in the STEP tank. Heavy rains have a minimal impact on a watertight collection system. Small generators can be connected to the pump stations and treatment system as necessary during an extended power outage.		
In the event of a system failure describe means of operator notification: All pumps have redundancy & alarms.		
List the emergency contact(s) (name/phone): Michael Myers /(888) 754-9878		
For low-pressure systems, who is responsible for maintenance of STEP/STEG tanks and pumps or grinder pumps (list all contact information)? STEP tanks – Integra Water Tennessee, 4700 Homewood Ct., Suite 108 Raleigh, NC 27609 (888) 754-9878		
Approximate length of sewer (excluding private service lateral): 5,000 LF		
Number/hp of lift stations:	/	Number/hp of lift pumps /
Number/volume of low pressure and or grinder pump tanks Proposed 1-3000 gal Recirc Tank, 1-2000 gal Final Dose Tank		
Number/volume septic tanks 121~1,500 STEP tanks		
Attach a schematic of the collection system. <input checked="" type="checkbox"/> Attached		
If this is a satellite sewer and you are tying in to another sewer system complete the following section, listing tie-in points to the sewer system and their location (attach additional sheets as necessary):		
<u>Tie-in Point</u>	<u>Latitude (xx.xxxx°)</u>	<u>Longitude (xx.xxxx°)</u>
None		

Land Application Treatment System:		<input type="checkbox"/> N/A
Type of Land Application Treatment System: <input checked="" type="checkbox"/> Drip <input type="checkbox"/> Spray <input type="checkbox"/> Other, explain:		
Type of treatment facility preceding land application (recirculating media filters, lagoons, other, etc.): Recirculating media filter		
Attach a treatment schematic. <input checked="" type="checkbox"/> Attached		
Describe methods to prevent and respond to any bypass of treatment or discharges (i.e., power failures, equipment failures, heavy rains, etc.): The existing septic tank and proposed STEP tanks are sized for peak daily flow storage for the purpose of power failures and equipment failures.		
For New or Modified Projects: Hardeman Springs SD		
Name of Developer for the project: Bob Parks		
Developer address and phone number 640 Broadmor Blvd., Suite 100 Murfreesboro, TN 37129 (615-890-4045)		
For land application, list: <input checked="" type="checkbox"/> Proposed acreage involved: approx. 8.3 acres total <input checked="" type="checkbox"/> Inches/week gpd/sq.ft loading rate to be applied: 4.17 acre required with additional 4.17 acre of soils area, approximately 0.2 gpd/sf loading rate		
Is wastewater disinfection proposed?		
<input checked="" type="checkbox"/> Yes Describe land application area access:		
<input type="checkbox"/> No Describe how access to the land application area will be restricted fence with access gates		

Permit Number: SOP-_____

Attach required additional Engineering Report Information (see website for more information)	
<input checked="" type="checkbox"/> Topographic map (1:25,000 scale presented at a six inch by six inch minimum size) showing the location of the project including quadrangle(s) name(s) GPS coordinates, and latitude and longitude in decimal degrees should also be included.	
<input checked="" type="checkbox"/> Scaled layout of facility showing the following: lots, buildings, etc. being served, the wastewater collection system routes, the pretreatment system location, the proposed land application area(s), roads, property boundaries, and sensitive areas such as streams, lakes, springs, wells, wellhead protection areas, sinkholes and wetlands.	
<input checked="" type="checkbox"/> Soils information for the proposed land disposal area in the form of a Water Pollution Control (WPC) Soils Map per Chapter 16 and 17 State of Tennessee Design Criteria for Sewage Work. The soils information should include soil depth (borings to a minimum of 4 feet or refusal) and soil profile description for each soil mapped.	
<input checked="" type="checkbox"/> Topographic map of the area where the wastewater is to be land applied with no greater than ten foot contours presented at a minimum size of 24 inches by 24 inches.	
<input checked="" type="checkbox"/> Describe alternative application methods based on the following priority rating: (1) connection to a municipal/public sewer system, (2) connection to a conventional subsurface disposal system as regulated by the Division of Groundwater Protection, and/or (3) land application.	
For Drip Dispersal Systems Only: Unless otherwise determined by the Department, sewage treatment effluent wells, i.e. large capacity treatment/drip dispersal systems after approval of the SOP Application, will be issued an UIC tracking number and will be authorized as Permit by Rule per UIC Rule 1200-4-6-.14(2) and upon issue of a State Operating Permit and Sewage System Construction Approval by the Department. Describe the following:	
The area of review (AOR) for each Drip Dispersal System shall, unless otherwise specified by the Department, consist of the area lying within a one mile radius or an area defined by using calculations under 1200-4-6-.09 of the Drip Dispersal System site or facility, and shall include, but not be limited to general surface geographic features, general subsurface geology, and general demographic and cultural features within the area. Attach to this part of the application a general characterization of the AOR, including the following: (This can be in narrative form) <i>see 2.0</i>	
<input checked="" type="checkbox"/> A general description of all past and present groundwater uses as well as the general groundwater flow direction and general water quality. <i>see 3.0</i>	
<input checked="" type="checkbox"/> A general description of the population and cultural development within the AOR, i.e. <input checked="" type="checkbox"/> agricultural, <input type="checkbox"/> commercial, <input type="checkbox"/> residential or <input type="checkbox"/> mixed. <i>see 4.0</i>	
<input checked="" type="checkbox"/> Nature of injected fluid to include physical, chemical, biological or radiological characteristics. <i>see 5.0</i>	
<input checked="" type="checkbox"/> If groundwater is used for drinking water within the area of review, then identify and locate on a topographic map all groundwater withdrawal points within the AOR, which supply public or private drinking water systems. Or supply map showing general location of publicly supplied water for the area(this can be obtained from the water provider) <i>see 6.0</i>	
<input type="checkbox"/> If the proposed system is located within a wellhead protection area or source water protection area designated by Rule 1200-5-1-.34, show the boundary of the protection area on the facility site plan.	
<input checked="" type="checkbox"/> Description of system, Volume of injected fluid in gallons per day based upon design flow, including any monitoring wells <i>see 7.0</i>	
<input checked="" type="checkbox"/> Nature and type of system, including installed dimensions of wells and construction materials <i>see 8.0</i>	

Pump and Haul:	<input checked="" type="checkbox"/> N/A
Reason system cannot be served by public sewer:	
Distance to the nearest manhole where public sewer service is available:	
When sewer service will be available:	
Volume of holding tank:	gal.
Tennessee licensed septage hauler (attach copy of agreement):	
Facility accepting the septage (attach copy of acceptance letter):	
Latitude and Longitude (in decimal degrees) of approved manhole for discharge of septage:	
Describe methods to prevent and respond to any bypass of treatment or discharges (i.e., power failures, equipment failures, heavy rains, etc.):	

Holding Ponds (for non-domestic wastewater only):	<input checked="" type="checkbox"/> N/A
Pond use: <input type="checkbox"/> Recirculation <input type="checkbox"/> Sedimentation <input type="checkbox"/> Cooling <input type="checkbox"/> Other (describe):	

Permit Number: SOP-_____

Describe pond use and operation:	
If the pond(s) are existing pond(s), what was the previous use?	
Have you prepared a plan to dispose of rainfall in excess of evaporation? <input type="checkbox"/> Yes <input type="checkbox"/> No	
If so, describe disposal plan:	
Is the pond ever dewatered? <input type="checkbox"/> Yes <input type="checkbox"/> No	
If so, describe the purpose for dewatering and procedures for disposal of wastewater and/or sludge:	
Is(are) the pond(s) aerated? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Volume of pond(s):	gal. Dimensions:
Is the pond lined (Note if this is a new pond system it must be lined for SOP coverage. Otherwise, you must apply for an Underground Injection Control permit.)? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Describe the liner material (if soil liner is used give the compaction specifications):	
Is there an emergency overflow structure? <input type="checkbox"/> Yes <input type="checkbox"/> No	
<i>If so, provide a design drawing of structure.</i>	
Are monitoring wells or lysimeters installed near or around the pond(s)? <input type="checkbox"/> Yes <input type="checkbox"/> No	
<i>If so, provide location information and describe monitoring protocols (attach additional sheets as necessary):</i>	
Attach required additional Information	
<input type="checkbox"/> Topographic map (1:24,000 scale presented at a six inch by six inch minimum size) showing the location of the project including GPS coordinates, latitude and longitude in decimal degrees quadrangle name should also be included.	
<input type="checkbox"/> Scaled layout of facility showing the following: lots, buildings, etc. being served, the wastewater collection system routes, the pretreatment system location, roads, property boundaries, and sensitive areas such as streams, lakes, springs, wells, wellhead protection areas, sinkholes and wetlands.	
The area of review (AOR) for each holding pond shall, unless otherwise specified by the Department, consist of the area lying within and below a one mile radius of the holding pond site or facility, and shall include, but not be limited to surface geographic features, subsurface geology, and demographic and cultural features within the area. Attach to this part of the application a complete characterization of the AOR, including the following: (This can be in narrative form)	
<input type="checkbox"/> Description of all past and present uses of groundwater within the AOR, as documented by public record.	
<input type="checkbox"/> Description of the groundwater hydrology within the AOR, including characteristics of all subsurface aquifers, presence or absence of solution development features, general direction of groundwater movement, and chemical characteristics of the ground waters in the AOR..	
<input type="checkbox"/> Description of the population and cultural development within the AOR, including the number of persons living within one mile of the well or facility, land uses within the AOR, and the existence of any community, state, regional or national parks, wildlife refuges, natural or wilderness areas, recreational or other public-use areas, or any other environmentally sensitive features within the area of review.	
<input type="checkbox"/> If groundwater is used for drinking water within the area of review, then identify and locate on a topographic map all groundwater withdrawal points within the AOR, which supply public or private drinking water systems..	
<input type="checkbox"/> Identify any surface water intake, which supplies a public water distribution system and is located within the AOR or within three miles topographically down gradient from the well or facility. If any such intake(s) wells or springs exist, then locate on map	

Permit Number: SOP-_____

Mobile Wash Operations:		<input checked="" type="checkbox"/> N/A
<input type="checkbox"/> Individual Operator <input type="checkbox"/> Fleet Operation Operator		
Indicate the type of equipment, vehicle, or structure to be washed during normal operations (check all that apply): <div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <input type="checkbox"/> Cars <input type="checkbox"/> Trucks <input type="checkbox"/> Trailers (Interior washing of dump-trailers, or tanks, is prohibited.) <input type="checkbox"/> Other (describe): </div> <div style="width: 48%;"> <input type="checkbox"/> Parking Lot(s): sq. ft. <input type="checkbox"/> Windows: sq. ft. <input type="checkbox"/> Structures (describe): </div> </div>		
Wash operations take place at (check all that apply): <div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <input type="checkbox"/> Car sales lot(s) <input type="checkbox"/> Private industry lot(s) <input type="checkbox"/> County(ies), list: </div> <div style="width: 48%;"> <input type="checkbox"/> Public parking lot(s) <input type="checkbox"/> Private property(ies) <input type="checkbox"/> Statewide </div> </div>		
Wash equipment description: <div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <input type="checkbox"/> Truck mounted <input type="checkbox"/> Rinse tank size(s) (gal.): <input type="checkbox"/> Collection tank size(s) (gal.): Pressure washer: psi (rated) gpm (rated) Vacuum system manufacturer/model: </div> <div style="width: 48%;"> <input type="checkbox"/> Trailer mounted <input type="checkbox"/> Mixed tanks size(s) (gal.): Number of tanks per vehicle: Pressure washer: <input type="checkbox"/> gas powered <input type="checkbox"/> electric Vacuum system capacity: inches Hg </div> </div>		
Describe any other method or system used to contain and collect wastewater:		
List the public sewer system where you are permitted or have written permission to discharge waste wash water (include a copy of the permit or permission letter):		
Are chemicals pre-mixed, prior to arriving at wash location? <input type="checkbox"/> Yes <input type="checkbox"/> No		
Describe all soaps, detergents, or other chemicals used in the wash operation (attach additional sheets as necessary):		
Chemical name:	Manufacturer:	Primary CAS No. or Product No.

APPLICATION FOR A STATE OPERATION PERMIT (SOP) INSTRUCTIONS

Purpose of this form A completed SOP application must be submitted to obtain SOP coverage. This permit is required to operate a domestic sewage, industrial waste or other waste collection and/or treatment system that does not have a point source discharge to any surface or subsurface waters. This form must be submitted at least 180 days before starting any new activity, or 180 days prior to the expiration date, or when renewing a permit.

Complete the form Type or print clearly, using black or blue ink; not markers or pencil. Answer each item or enter "N/A," for not applicable. If you need additional space, attach a separate piece of paper to the SOP application. Applicants may be required to submit engineering reports, plans and specifications. Contact the division for the applicable items, or visit the Division of Water Pollution Control World Wide Web site at: <http://www.state.tn.us/environment/wpc> for more information. The application will be considered incomplete absent any of the required information, Engineering Reports, and an original signature.

Permittee Identification/Facility Identification Describe and locate the project, use the legal or official name of the facility or site. Provide the latitude and longitude (expressed in decimal degrees) of the center of the site, which can be located on USGS quadrangle maps. The quadrangle maps can be obtained at 1-800-USA-MAPS, or at the Census Bureau World Wide Web site: <http://www.census.gov/cgi-bin/gazetteer>. Attach a copy of a portion of a 7.5 minute quad map, showing location of site, with boundaries at least one mile outside the site boundaries. If business is mobile give the owner of operations' home, or business office address of the owner, and list all current areas of operation by city and county.

Wastewater Collection System These types of systems require engineering reports, refer to the website (<http://www.tdec.net/wpc/>) for more information.

Land Application Treatment System These types of systems require engineering reports, refer to the website (<http://www.tdec.net/wpc/>) for more information. Public access to the land application and treatment area must be restricted, if disinfection is not part of the treatment. Applicants completing this section of the application must also complete the Wastewater Collection System section.

Pump and Haul These types of systems may require engineering reports, refer to the website (<http://www.tdec.net/wpc/>) for more information.

Holding Ponds Given that annual rainfall onto open ponds exceeds annual evaporation (in Tennessee), the permittee must develop a written plan (to be retained on site and be available to the division upon request) that addresses how excess rainfall will be disposed of in compliance with the no discharge requirement of this permit. Wastewater treatment ponds are not to be used for stormwater treatment or storage. All new and existing point source industrial stormwater discharges associated with industrial activity require coverage under the Tennessee industrial stormwater multi-sector general permit TMSP, refer to the website (<http://www.tdec.net/permits/stmrh2o.shtml>) for more information. Describe the system for re-routing surface runoff away from ponds in the rainfall disposal plan.

Mobile Wash Operations Indicate whether the operation is run by an individual or a corporation with a fleet of vehicles equipped to wash and collect waste waters. If a corporation, indicate the home office as the "Official Contact". Indicate if operations take place at specific sites and list those counties in which such sites are located. Note that this permit covers operations within the State of Tennessee. Operations indicated as "statewide" generally apply as a fleet type operation and each office location shall be individually permitted. Equipment may be truck or trailer-mounted, or both, indicate all that apply. Soaps, detergents, and other chemicals used should be non-toxic and biodegradable. All "chemically enhanced" (soaps, detergents, and other chemicals) waste-wash waters must be collected for proper disposal. If no chemically enhanced washwaters are used, clear-wash waters may travel by sheet flow to a gravel or grassy area where there is no opportunity to enter waters of the state. There should be no discharge to a storm water inlet, ditch, conveyance, stream, etc. If you are unsure of your wash area drainage, contact the area Environmental Field Office (EFO) prior to setting up your wash operation.

Fees There is a \$250 authorization fee for residential SFDS and \$500 fee for commercial SFDS and commercial holding lagoons. An annual maintenance fee is required and you will be invoiced at a later date.

Submitting the form and obtaining more information Note that a responsible corporate officer, owner, general partner or proprietor, principal governmental executive officer, or highest ranking elected official must sign this form. (See Regulation 1200-4-5-.05(a) for exact authorized signatures.). For more information, contact your local EFO at the toll-free number 1-888-891-8332 (TDEC). Submit three complete applications (keep a copy for your records) to the appropriate EFO for the county(ies) where the facility is located, addressed to **Attention: WPC, Permit Section Manager**.

EFO	Street Address	Zip Code	EFO	Street Address	Zip Code
Memphis	2510 Mt. Moriah Road STE E-645	38115-1520	Cookeville	1221 South Willow Ave.	38506
Jackson	1625 Hollywood Dr	38305-4316	Chattanooga	540 McCallie Avenue STE 550	37402-2013
Nashville	711 R S Gass Boulevard	37243	Knoxville	3711 Middlebrook Pike	37921
Columbia	2484 Park Plus Drive	38401	Johnson City	2305 Silverdale Road	37601

Upon receipt of the required items, the division conducts a review of the material, and the applicant is notified of any deficiencies. When all the deficiencies have been corrected, the division will publish a draft permit or provide the applicant with a Notice of Intent to Deny the permit application. When a draft permit is generated, a public notice is issued and published in a local newspaper. The draft permit is then reviewed by the applicant, and division field staff. The general public also has an opportunity to review the permit. Based on public response, a public hearing may be held. After considering public comments and a final review, the permit may be issued or denied for cause. Permits are normally valid for five (5) years, except those for pump and haul systems, which are generally valid for one (1) year.

The division has the right to inspect a facility when deemed necessary. In addition, the division has the right to revoke or suspend any permit for violation of permit conditions or any other provisions of the Tennessee Water Quality Control Act and other water pollution control rules.

The division is responsible for regulating any activity, which involves a potential discharge in order to protect waters of the State from pollution and to maintain the highest possible standards in water quality.

Hardeman Springs S/D

Hardeman Springs

Cox Rd

Legend

- Arrington Fire Dept
- Church
- Cox Rd
- Feature 1
- Feature 2
- Feature 3
- Feature 4
- Feature 5
- Feature 6
- Feature 7
- Hardeman Springs
- Joe Kelly's Market
- Kings Chapel
- Rock N Country Veterinary Services
- Subway
- Tennessee Renaissance Festival
- US Post Office

Google Earth

Exhibit 10

© 2016 Google

3 mi

N

Hardeman Springs

STEP System Design

Wastewater Site Plan

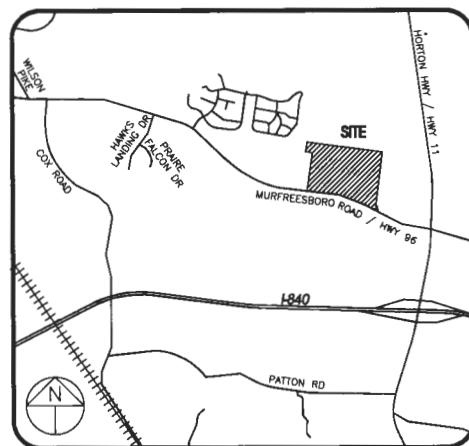
Williamson County, Tennessee

SOP No. _____

Construction Drawings

Drawing Index

Sheet No.	Title
C0.0	Cover Sheet
C0.1	Master Site Plan
C1.0-C1.4	Site Plan
C2.0	Grading & Drainage Plan
C3.0-C3.1	Cross Sections
C4.0	Master Plan
C5.0	Soils Map
C6.0	Notes & Details
C6.1-C6.6	Details



Site Location Map
Not To Scale

Watershed: Nelson Creek

Owner:

Paula E Harris Revocable Living Trust
5014 Murfreesboro Rd.
Arlington, TN 37014-9189

Developer:

Park Trust
640 Broadmor Blvd., Suite 100
Murfreesboro, TN 37129

Floodplain Note:

No Portion of this site lies within a 100 Year Flood Hazard Area per F.E.M.A. Map No. 47187C0240F dated Sept. 29, 2008.

Land Data:

121 Lots on 158.14 Ac.s
Zoned: RD-1

Deed Reference:

The property shown hereon is Tax Map 114, Parcel 15.00, in Williamson County, as recorded in D.B. 8094, Pg. 724.

S.T.E.P. System Data:

Wastewater Lots: 13.62± Acres
Design Flow = 38,300 GPD
Required Land Application Area + Reserve Area = 8.33± Ac.
Provided Land Application Area + Reserve Area = 9.71± Ac.

Approved by the Williamson County Planning Commission, with such conditions as are indicated in the minutes of the Commission on 11.

Contacts:

Middle Tennessee Electric Membership Corp.
2156 Edward Curd Lane
Franklin, TN 37067
Phone: (615) 794-3061
Contact: Gary Osburn

Engineer/Surveyor:
Site Engineering Consultants, Inc.
850 Middle Tennessee Blvd.
Murfreesboro, TN 37129
Phone: (615) 880-7901
Contact: James Reed

County Engineering:
Williamson County Engineering Dept.
Suite 400
1320 West Main St.
Franklin, TN 37064
Phone: (615) 790-5809
Contact: Floyd Hefflin

Nolensville College Grove Utility District
2002 Johnson Industrial Blvd.
Nolensville, TN 37135
Phone: (615) 776-2511
Contact: Mike Polston

Integra Water Tennessee, LLC
800 University Park Place, Suite 275
Birmingham, AL 35209
Phone: (800) 754-9878
Contact: Mitchell Myers

SEC, Inc. SITE ENGINEERING CONSULTANTS
ENGINEERING • SURVEYING • LAND PLANNING

850 MIDDLE TENNESSEE BOULEVARD MURFREESBORO, TENNESSEE 37129
PHONE: (615) 880-7901 E-MAIL: JREED@SEC-CIVIL.COM FAX: (615) 880-8087
NO PORTION OF THIS DRAWING MAY BE REPRODUCED WITHOUT THE EXPRESSED WRITTEN CONSENT OF S.E.C. INC.



By: _____ Date: _____
James F. Reed III, P.E., R.L.S. TN. Reg. #109038

Sheet 1 of 17
Hardeman Springs
S.E.C. Project #16162
Date: 12-3-16
Revised:



NOTE:
1) This property has been reviewed for the existence of intermittent and perennial streams. Streams that would require Waterway Natural Areas as described in Section 4 of the Williamson County Storm Water Management Regulations have been located as shown.

2) Within the Waterway Natural Area, there shall be no clearing, grading, construction or disturbance of vegetation except as permitted by the Williamson County Engineering Department.

3) No Critical Lots within the proposed subdivision.

Use Type:
Single family residences.
Wastewater Treatment Area: 13.62± Acres
Total acreage of original tract: 159.14± Acres
Area of R.O.W. dedication in Subdivision: 10.98± Acres
Area of Land to be subdivided: 64.41± Acres
Open Space: 70.13± Acres (48%)
Number of lots: 121 Lots

Legend:	
EXIST. CONCRETE MONUMENT	INLET FILTER PROTECTION
IRON PIN SET (D.F.A.)	HYDROLOGIC MAP SYMBOL
IRON PIN FOUND (D.F.A.)	HC SIGN
EXIST. IRON POST	PROPOSED IRON POST
EXIST. IRON CLAMP	REINFORCING
EXIST. WASTEWATER DITCH OR POND	WATER MONITOR
EXIST. DITCH BANK (DITCH BANK)	WINDHOLE
EXIST. WASTEWATER DITCH	PROPOSED SPOT ELEVATION
EXIST. TRAP POND SIGN	EXIST. SPOT ELEVATION
EXIST. ONE INCH	POST MONITOR VALVE
ELECTRICAL ENCLOSURE	REINFORCING
EXIST. WATER METER	REMOVE FIRE DEPT. CONNECTION
EXIST. UTILITY POLE	HYDRO SIGN
EXIST. FIRE HYDRANT	SP RMP
REINFORCING	READY FLOW ARMOR
BLOW OFF VALVE	REINFORCING FLOW DIRECTION
CONCRETE BOLLARD	TRAP ARMOR
CHICK SIGN	TURN LANE ARMOR
CLUB INLET	V.A. SIGN ACCESSIBLE HYDROLOGIC SIGN
AREA SIGN	WHEEL STOP
CONCRETE THROAT BLOCK	BRIDGE STOP
DOUBLE DETECTOR CHECK VALVE	SHRIMP STRUCTURE DETECTION
FIRE DEPT. CONNECTION	DRAINAGE PIPE DETECTION
FIRE HYDRANT	CONCRETE BOLLARD
IRON METER	EXPOSED CLAMP
IRON VALVE & BOX	CLAMP & GUTTER
EXTERIOR GLENDOW	CONCRETE BRIDGE
WATER METER	TYPE "V" HEADWALL
EXISTING PHONE	PH
EXISTING ELECTRIC	CH
PROPERTY LINE	
BOUND	
RIGHT OF WAY	ROW
CRACK CONTROL BOLT FORCE	SF
EXISTING FENCELINE	
EXISTING PARCEL LINE	X
WASTEWATER BUILDING SETBACK LINE	WBSL
PHONE BOUNDARY	PH BND
EXISTING GAS LINE	GA.S
PROPOSED GAS LINE	GA.S
EXISTING STORM	ST.M
PROPOSED STORM	ST.M
EXISTING CONTOUR LINES	50.1
PROPOSED CONTOUR LINES	50.1
EXISTING PROPERTY BOUNDARY	SS
PROPOSED PROPERTY BOUNDARY	SS
EXISTING WATER	W
PROPOSED WATER	W
EXISTING DITCH	D
PROPOSED DITCH	D

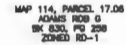


1"=200'

C0.1

Master Site Plan

MAP 114, PARCEL 14.00
ADAMS IRA T ADAMS ROB C
BK 8236, PG 415
ZONED RD-1



MAP 114, PARCEL 17.01
CHURCH TR OF LOCUST RIDGE PRIMITIVE
BK 48, PG 143
ZONED RD-1

MAP 114, PARCEL 17.07
COCHRAN PAUL RALPH TR COCHRAN LINDA COVINGTON TR
BK 5132, PG 131
ZONED RD-1

Soil Reserves			
Soils	Area (Ft.)	Soils	Area (Ft.)
R1	47200	R5	17412
R2	23031	R6	5729
R3	53179	R7	3459
R4	91224		
Total Reserve Soils		5.54	Ac.

Zones	L.F. Drip	Distal Ends	RSF 1 (Zones 1-9)				Sq. Ft.
			Min.	Drip L.F.	Max.	Drip L.F.	
Zone 11	4000	10	400	400	0	20000	
Zone 12	4000	10	400	400	0	20000	
Zone 13	4000	10	400	400	0	20000	
Zone 14	4016	11	307	400	0	20080	
Zone 15	4000	10	400	400	0	20000	
Zone 16	4000	10	40	400	0	20000	
Zone 17	4000	10	400	400	0	20000	
Zone 18	4316	11	392	393	0	21580	
Zone 19	4083	13	279	350	0	20415	
Total	36415					182075	

Single family residences.
Wastewater Treatment Area: 13.62± Acres
Total acreage of original tract: 159.14± Acres
Area of R.O.W. dedication in Subdivision: 10.98± Acres
Area of Land to be subdivided: 64.41± Acres
Open Space: 70.13± Acres (48%)
Number of lots: 121 Lots

- 1) This property has been reviewed for the existence of intermittent and perennial streams. Streams that would require Wetwater Natural Areas as described in Section 4 of the Williamson County Storm Water Management Regulations have been located as shown.
- 2) Within the Wetwater Natural Area, there shall be no clearing, grading, construction or disturbance of vegetation except as permitted by the Williamson County Engineering Department.
- 3) No Critical Lots within the proposed subdivision.

□	CHISEL CONCRETE MORTAR	□	RAILY FILTER PROTECTION
□	IRON PIN FOOT (P.P.)	⊗	HYDRAULIC STOP
□	IRON PIN FOOT (P.P.)	⊗	IRON BARS
—	CHISEL IRON FOOT	—	PROPOSED IRON FOOT
□	EXIST. GROUND CLADDING	—	HEAVYBOLL
□	EXIST. WALLFACE CONCRETE	—	WEIGHT HEAVYBOLL
□	EXIST. GROUND IRON FOOT	—	IMMEDIATE
⊗	EXIST. WIND/WALL W/IN	⊗	PROPOSED STOP CLADDING
⊗	EXIST. TELEPHONE RINGS	⊗	EXIST. STOP CLADDING
⊗	EXIST. WIND BREAK	⊗	PORT BACKSTOP WALL
⊗	RAILROAD CLADDING	⊗	REBAR
⊗	EXIST. WOOD W/IN	⊗	REMOVE PIPE LEFT CONNECTION
⊗	EXIST. UTILITY PIPE	⊗	REMOVE RINGS
⊗	CHISEL PIPE W/IN	⊗	IRON W/IN
⊗	RECONSTRUCT	⊗	SLIP PLANT W/IN
⊗	CLAY PIPE W/IN	⊗	RECONSTRUCT FLUME
⊗	CONCRETE BALLAST	⊗	DAVEY GATE
⊗	STEEL W/IN	⊗	TURN LANE W/IN
⊗	CHISEL RAIL	⊗	VIA ACCESSIBLE RAILROAD TERMINATION
⊗	AREA BARS	⊗	STEEL STOP
⊗	CONCRETE TUBULE BARS	⊗	DAVEY STOP
⊗	DOUBLE TUBULE CONNECTION	⊗	DRAINAGE STRUCTURE CONNECTION
⊗	PIPE HARBOR	⊗	CONCRETE BODILIA
⊗	IRON W/IN	⊗	EXTRAUD GATE
⊗	GIVE WALL & BDR	⊗	GATE & GUTTER
⊗	CONCRETE CLADDING	⊗	CONCRETE BARS
⊗	WOOD RAIL	⊗	TYPE "X" BARS

[illegible]

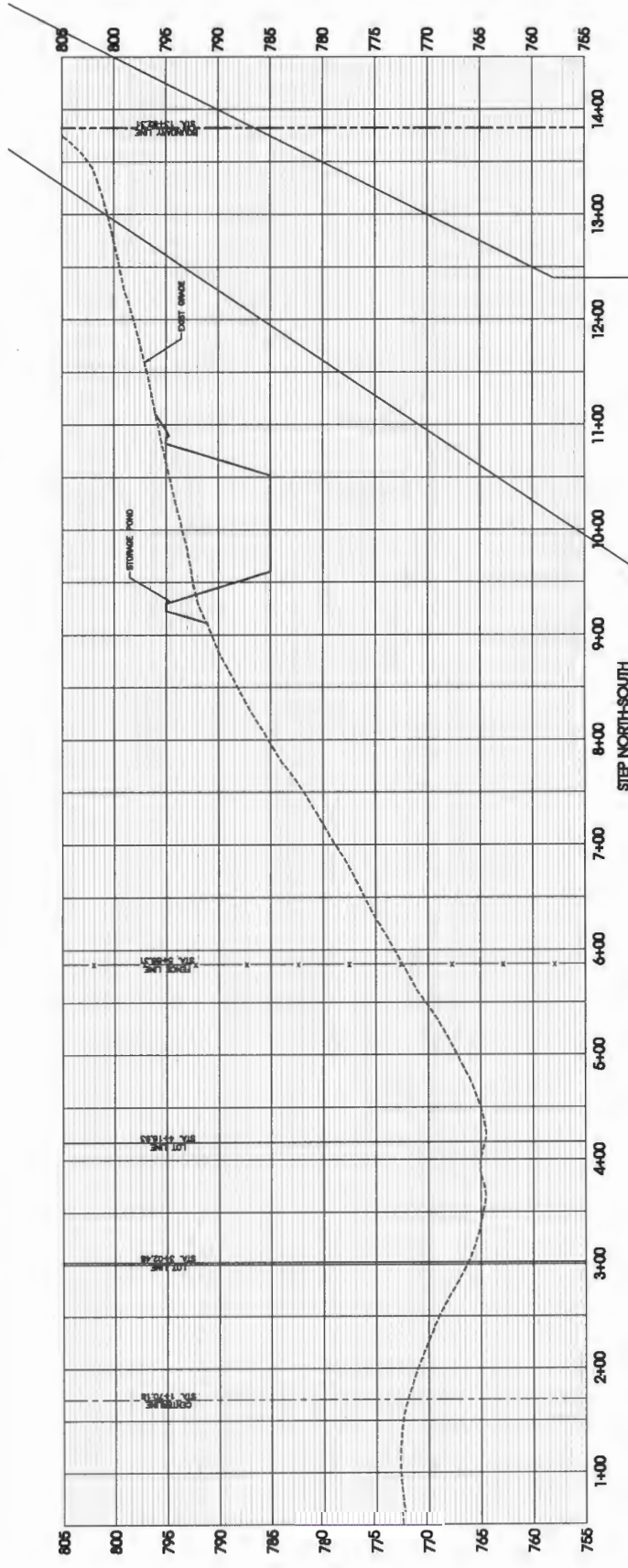
☐ STOP TANK
☐ SPRING TANK
☐ REGULATOR TANK
☐ TREATMENT TANK
☒ ULTRAVIOLET DISINFECTION

_____ FM _____ PRESS. UNIT
 _____ FMT _____ PRESS. UNIT RETURN PLUMB. LINE
 ○ SOLDIER VALVE
 ○ CHECK/PLUMBING VALVE
 _____ T.L. _____ TRUST LINE
 (OR EXTERIOR CLEAR 60/7)

Site Plan

1"=100'

C1.1

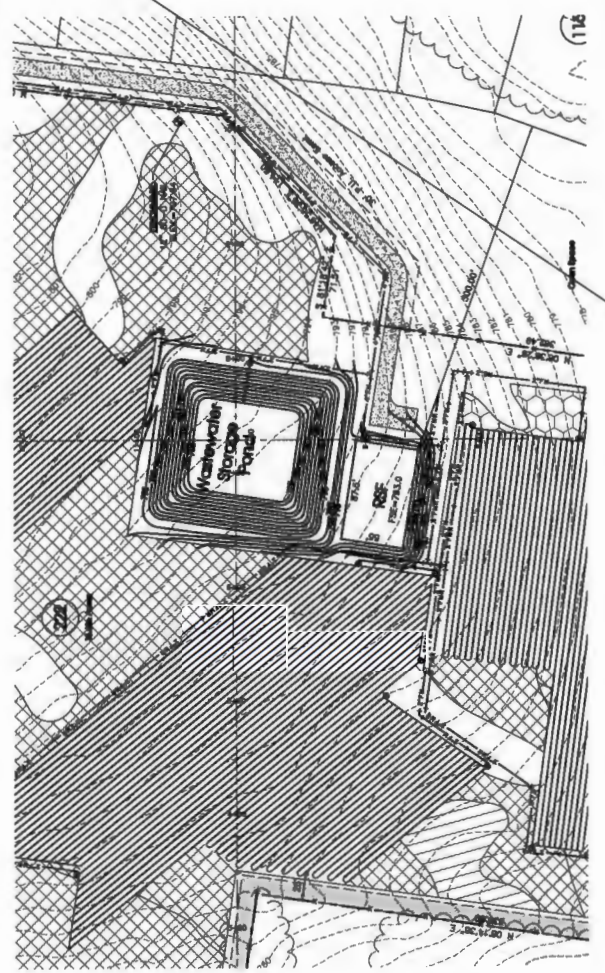


Legend:

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STEP LEGEND

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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Cross Sections



Know what's below.
Call before you dig.

1"=50'



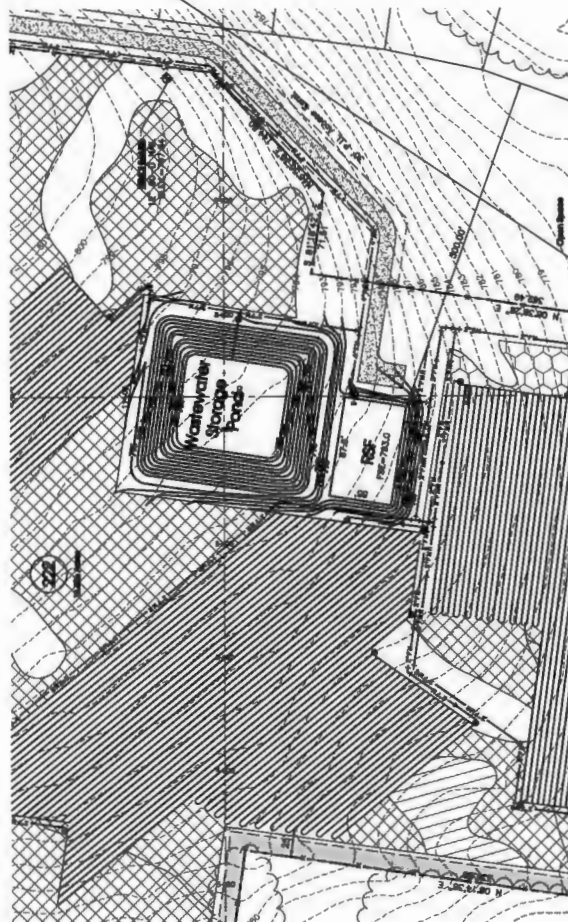
C3.0

1"-50"

3.1



Know what's below.
Call before you dig.

[illegible]

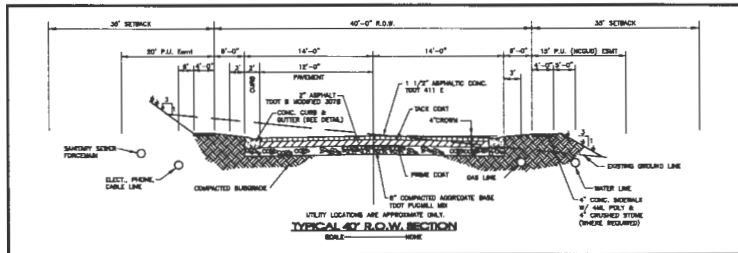


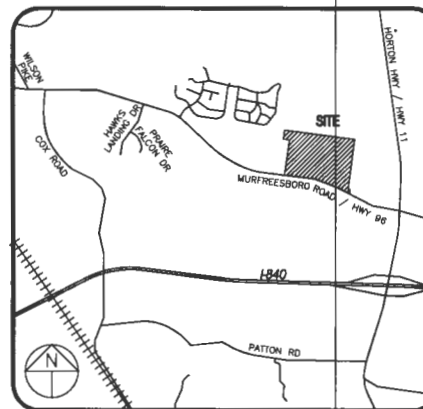
Exhibit 11

Use Type:

Single family residences.
Wastewater Treatment Area: 13.62± Acres
Total acreage of original tract: 159.14± Acres
Area of R.O.W. dedication in Subdivision: 10.98± Acres
Area of Land to be subdivided: 64.41± Acres
Open Space: 70.13± Acres (48%)
Number of lots: 121 Lots

NOTE:

- 1) This property has been reviewed for the existence of Intermittent and perennial streams. Streams that would require Waterway Natural Areas as described in Section 4 of the Williamson County Storm Water Management Regulations have been located as shown.
- 2) Within the Waterway Natural Area, there shall be no clearing, grading, construction or disturbance of vegetation except as permitted by the Williamson County Engineering Department.
- 3) No Critical Lots within the proposed subdivision.



Site Location Map

Not To Scale

[illegible]

Master Plan

 $1'' = 200'$

C4.0

Grading and Drainage Notes:

1. The site owner/contractor shall coordinate the installation of all underground utilities with his work. All underground utilities (water, sanitary sewer, storm sewer, electrical conduit, irrigation channels, and any other miscellaneous underground utilities, ditches, or structures), shall be in-place prior to the placement of base course materials.
2. The contractor shall not add bedding pavement as necessary to ensure a smooth fit and continuous grade.
3. The contractor shall verify horizontal and vertical location of all existing storm sewer structures, pipes and all utilities prior to construction.
4. Clearing and grubbing limits shall include all areas disturbed by grading operation.
5. Any graded or disturbed areas shall have 4 inches of topsoil, seed, mulch, fertilizer and water applied until a healthy stand of grass is achieved. The restoration shall closely follow construction.
6. This site lies within Zone X, not in a 100 Year Flood Hazard Area per FEMA Map No. 4716700300F & 4716700300F dated September 28, 2006.
7. All cut/fill slopes and drainage swales shall be stabilized to the satisfaction of the Williamson County Engineering Department. If stabilization is not achieved by seeding or mulching, then more advanced measures such as erosion control fabric, permanent turf reinforcement matting or concrete lining shall be used.
8. Contact the Williamson County Engineering Department at 615-760-0828 to request permits to perform work within the public right-of-way.
9. Any improvements or modifications within the public right-of-way require the approval of the Williamson County Highway Department.

Erosion Control Notes:

1. The site contractor is responsible for substituting and maintaining suitable erosion and sediment control devices on-site during construction as required to prevent soil from leaving site. SR will not be allowed beyond construction limits.
2. The contractor is responsible for removing all from site if not feasible on-site and ensuring final alignment and grade to all districts of construction.
3. The contractor is responsible for clearing all of storm drainage structures, including fences, plans, etc., prior to completion of this project.
4. Erosion control shall be provided for all cut and fill operations within the limits of the construction site, throughout the construction period to provide the site with maximum protection from erosion at all times.
5. Erosion control measures are to be installed prior to any grading on-site and are to be maintained in place until stabilization of erodible soils has been accomplished.

General Utility Notes:

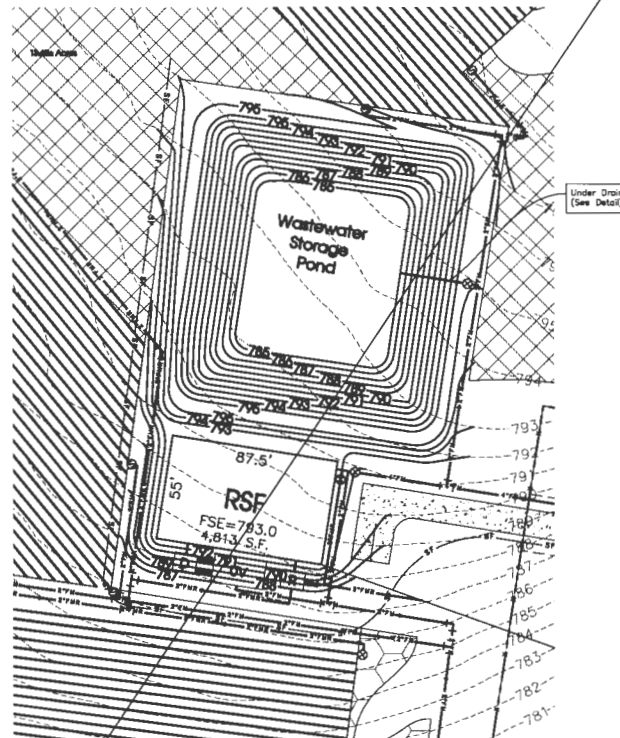
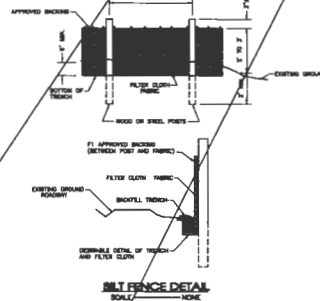
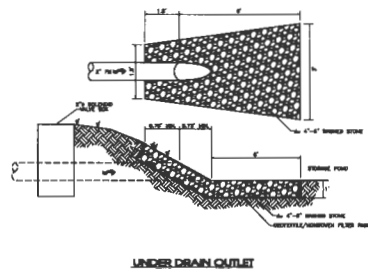
1. Existing utility lines shown are approximate locations only. The contractor shall field verify all existing utility line locations prior to any construction. Any deviations from the design locations shall be reported to the owner or engineer prior to beginning construction.
2. The contractor will provide all necessary protection measures to safeguard existing utilities from damage during construction of this project, to the extent that special equipment is required to work over and around the utilities. The contractor will be required to furnish such equipment. The cost of protecting utilities from damage and furnishing special equipment will be included in the price bid for other items of construction.
3. The contractor shall notify each individual utility owner of his plan of operation in the area of the utilities, prior to commencing work. The contractor shall contact the utility owners and request them to properly locate their respective utility on the ground. This notification shall be given at least three (3) business days prior to commencement of operations around the utility.
4. The contractor shall refer to engineer's plans and specifications for actual location of all utility entrances to include sanitary sewer laterals, domestic water, and electrical service. The contractor shall coordinate installation of utilities in such a manner as to avoid conflicts and ensure proper depths are achieved as well as coordinating with the regulatory agency as to location and extending of tie-ins/necessities to their facilities.
5. All underground utilities (water, sewer, storm sewer, electrical conduit, irrigation channels, and any other miscellaneous), shall be in-place prior to the placement of base course materials.
6. Location of site utilities shall be verified with proper utility company providing service.
7. In Tennessee it is a requirement per "the underground utility damage prevention act" that anyone who engages in excavation must notify all known utility owners, no less than three nor more than ten working days, prior to their intended excavation. A list of these utility owners may be obtained from the county register of deeds from utility owners who participate in the Tennessee one call system can be notified toll free at 1-800-381-1111.

S.T.E.P. System General Notes:

1. The location of treatment system components as shown are general in nature. Minor field adjustments may be necessary. The contractor shall report to modify the location of the components through the owner and the Tennessee Division of Water Pollution Control.
2. The design is for the treatment and disposal of wastewater collected from Harris Property, design flow 36,300 gpd.
3. All flows for this system shall be controlled and measured by PPE-11002-20-0002 model control and computer with float SS (Clock Winding System). The monitoring shall be monitored the flow meter for 600 system.
4. The minimum horizontal separation between the closest two points of the water and sewer line is ten (10) feet. The minimum vertical separation between the closest two points of the water and sewer line shall be 18 inches, with materials being stone concrete.
5. Contractor shall comply with the most current standards, specifications, and code drawings for the installation of STP system collection lines as outlined per specifications of T.D.E.
6. All trenches, pipe laying, and installation shall be in accordance with federal OSHA regulations.
7. Utility contractor shall have approval of all governing agencies having jurisdiction over this system prior to installation.
8. All boxes shall be weather-proof, structurally sound, watertight boxes as manufactured by Juvet Concrete Products, or approved equal.
9. Testing procedure for water tightness is as follows: Fill tank 2" into the flow. After a period of 24 hours, the water level should have lowered no more than 3/4".
10. Collector force main shall be 24" 12" & 4" 8017 green PVC pipe (color to be coordinated with Tennessee Wastewater). Force main shall be tested and rated for a 150 PSI working pressure.

Site Notes:

1. Contractor shall immediately notify the engineer of any discrepancies found between these plans, and/or field conditions prior to construction.
2. Apparent errors, discrepancies, or omissions on the drawing shall be brought to the attention of the owner prior to bid submission. The contractor may not use apparent errors, discrepancies, or omissions present on the drawings presented for bidding for additional charges after bids have been submitted. The architect shall be permitted to make corrections and interpretations as may be deemed necessary for the fulfillment of the intent of the contract documents.
3. The contractor shall utilize all improvements using the geographic data provided in the drawings. It is the sole responsibility of the contractor to completely check and check all improvements to ensure adequate functioning, both horizontal and vertical, prior to the installation of any improvements. No digital file will be provided.
4. The notes and plans shown shall attention to carefully required features of the construction but do not claim to cover all details of design and construction. The contractor shall handle and build the work complete and ready for operation.
5. After completion of construction, the contractor shall perform site cleanup to remove all trees, debris, excess materials, equipment, and other miscellaneous materials associated with construction. The contractor is ultimately responsible for clearing the site to show and in operable condition at the time of final completion.
6. The contractor is responsible for the protection and replacement of all property lines on this site.
7. These drawings are intended for use on this site only and as an integrated set for this specific project. These drawings may not be used in whole or in part on any other project under the professional engineer's seal. The owner shall hold harmless and indemnify the architect and engineer from and against any and all claims of any nature whatsoever arising from such use.
8. Existing conditions and base shown here are taken from a aerial survey from Atlantic Survey December 2018.
9. A separate R.O.P. Erosion Permit issued by Williamson County shall be required for any excavation or installation in the public R.O.W.

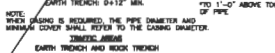
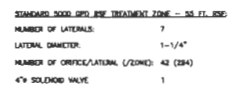


Know what's below.
Call before you dig.

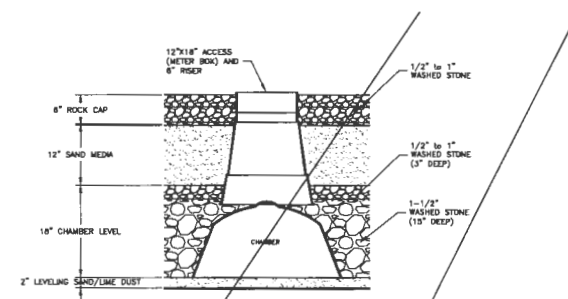
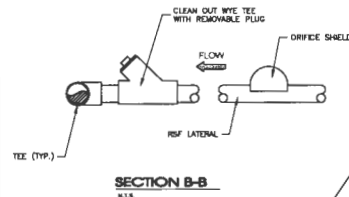


1"=30'

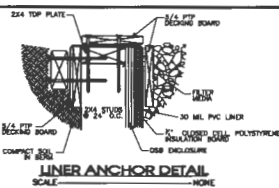
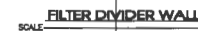
C6.0







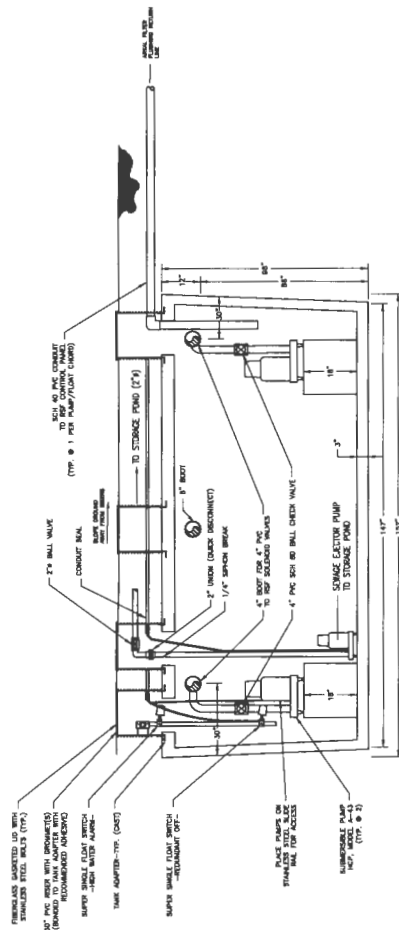
CHAMBER ACCESS RISER



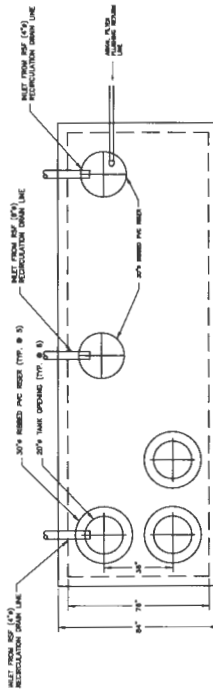
SIEVE SIZE	PERCENTAGE PASSING
4/8	100
6	80 - 100
8	7 - 10
10	0 - 5
20	0 - 2
30	0 - 2

N.T.S.

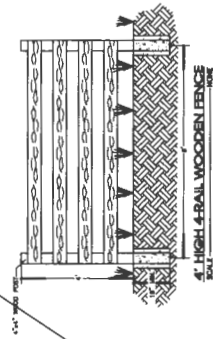
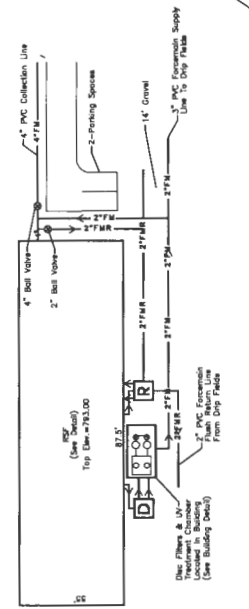
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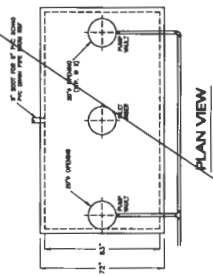
5,000 GALLON RECIRCULATION CHAMBER



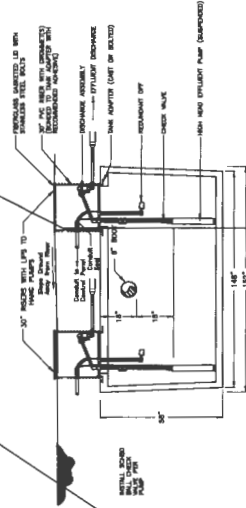
5,000 GALLON RECIRCULATION CHAMBER - PLAN



4" HIGH 4-RAIL WOODEN FENCE



PLAN VIEW



1500 GALLON FINAL DOSE TANK



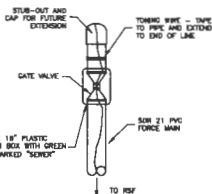
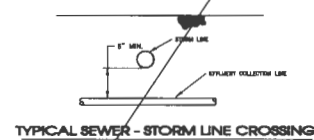
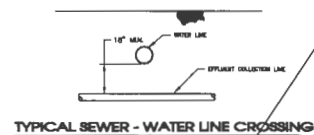
** IN ORDER TO DEMONSTRATE WATER TIGHTNESS, TANKS SHALL BE TESTED TWICE PRIOR TO ACCEPTANCE. EACH TANK SHALL BE TESTED AT THE FACTORY, PRIOR TO SHIPPING, BY FILLING TO TWO (2) INCHES ABOVE THE TOP OF THE ULD AND THE EXPIRATION DATE SHALL BE DETERMINED BY MEASURING THE WATER LOSS DURING THE NEXT TWO HOURS. THE SAME TEST WILL BE CONDUCTED WHEN THE TANK IS IN THE FIELD, PRIOR TO BACKFILLING. AFTER TANKS ARE FILLED "2" INTO THE RIDER, THERE SHOULD BE LESS THAN 1/2" DROP IN 24 HOURS.



**TYPICAL AUTOMATIC
AIR RELEASE VALVE (AARV)**

THE 1/2" BALL VALVE IS USED TO VERIFY THAT THE AUTOMATIC AIR RELEASE VALVE IS OPERATIONAL. THE RELEASE OF A LARGE VOLUME OF AIR THROUGH THE 1/2" BALL VALVE DURING OPERATION INDICATES THAT THE VALVE AND STRAINER SHOULD BE REMOVED AND REPLACED.

A PRESSURE GAUGE CAN BE THREADED INTO THE OUTLET END OF THE 1/2" BALL VALVE TO OBSERVE SYSTEM LINE PRESSURE. ALL COMPONENTS ARE RATED FOR A 150 PSI WORKING PRESSURE.



TYPICAL STUB FOR EXTENSION

N.T.S.

** GATE VALVE / BALL VALVE NOTE

ON COLLECTION LINES 6" & SMALLER, SCH40 PWC BALL VALVES WILL BE USED.

ON COLLECTION LINES 6" & LARGER, FLOWMASTER MECHANICAL JOINT SQUARE HEAD VALVES, OR EQUAL, WILL BE USED.

ADDENDUM TO APPLICATION FOR CERTIFICATE OF PUBLIC CONVENIENCE AND NECESSITY AND FOR APPROVAL OF RATES

Projected Customer Counts

Line No.	Item	Year 1	Year 2	Year 3	Year 4	Year 5
<u>Water</u>						
1	Metered Residential Water	0	0	0	0	0
2	Metered Commercial Water (REU Equivalents)	0	0	0	0	0
3	Metered Industrial Water (REU Equivalents)					
4	Metered Institutional Water (REU Equivalents)					
5	Metered Bulk Water (REU Equivalents)	0	0	0	0	0
	<i>Subtotal - Metered Water</i>	0	0	0	0	0
6	Flat Rate Residential Water	0				
7	Flat Rate Commercial Water (REU Equivalents)	0				
8	Flat Rate Industrial Water (REU Equivalents)					
9	Flat Rate Institutional Water (REU Equivalents)					
10	Flat Rate Bulk Water (REU Equivalents)	0				
	<i>Subtotal Flat Rate Water</i>	0	0	0	0	0
	Total Water	0	0	0	0	0
<u>Sewer</u>						
11	Metered Residential Sewer	0	0	0	0	0
12	Metered Commercial Sewer (REU Equivalents)	0	0	0	0	0
13	Metered Industrial Sewer (REU Equivalents)					
14	Metered Institutional Sewer (REU Equivalents)					
15	Metered Bulk Sewer (REU Equivalents)	0	0	0	0	0
	<i>Subtotal Metered Sewer</i>	0	0	0	0	0
16	Flat Rate Residential Sewer	12	37	70	105	121
17	Flat Rate Commercial Sewer (REU Equivalents)	0	0	0	0	0
18	Flat Rate Industrial Sewer (REU Equivalents)					
19	Flat Rate Institutional Sewer (REU Equivalents)					
20	Flat Rate Bulk Sewer (REU Equivalents)	0	0	0	0	0
	<i>Subtotal Flat Rate Sewer</i>	12	37	70	105	121
	Total Sewer	12	37	70	105	121



N Nolensville College Grove Utility District
C P.O. Box 127, 2002 Johnson Industrial Blvd., Nolensville, TN 37135
G Phone No. 615-776-2511 - Fax No. 615-776-2591 - Email mopolston@ncgud.com

February 7, 2017

Mr. Sean McMillan
Integra Water Tennessee, LLC
600 University Park Place Suite 275
Birmingham, AL 35209

Re: Hardeman Springs Subdivision / 5006 Murfreesboro Rd. Map (114) Parcel (015.00)
Sanitary Sewer Service Release

Dear Mr. McMillan

Nolensville College Grove Utility District does not provide any sanitary sewer service to any developments or developers.

The Property address is 5006 Murfreesboro Rd. (SR 96) Arrington, TN 37014.

If I can provide any additional information please call or email.

Sincerely,

Mike E Polston
General Manager
NCG Utility District

Exhibit 22

Parks Development

**P.O. Box 5049
Murfreesboro TN 37133-5049
1-615-896-4045**

Mr. Sean McMillan
Integra Water Tennessee, LLC
600 University Park Place, Suite 275
Birmingham, AL 35209

Re: Wastewater treatment services

Mr. McMillan,

We request that Integra Water Tennessee, LLC provide sewer service to our 160 acre property located in Williamson County, TN on TN SR 96.

The property address is 5006 Murfreesboro Road (SR 96), Arrington, TN 37014.

Don't hesitate to contact me should you have any questions.

Sincerely

 1/25/17

Phil Dodd

Development Consultant
1535 W Northfield Blvd, St 7
Murfreesboro, TN 37129
C. 615.207.8609
O. 615.896.4045
phildodd@parktrust.com

BEFORE THE TENNESSEE REGULATORY AUTHORITY
NASHVILLE, TENNESSEE

IN RE:)
PETITION OF INTEGRA WATER TENNESSEE, LLC)
FOR A CERTIFICATE OF PUBLIC CONVENIENCE AND)
NECESSITY AND AUTHORITY TO CHARGE RATES IN)
HARDEMAN SPRINGS SUBDIVISION LOCATED IN)
WILLIAMSON COUNTY, TENNESSEE)

Docket No. _____

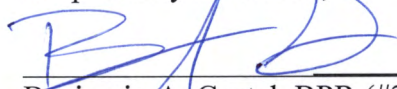
PRE-FILED DIRECT TESTIMONY OF MICHAEL J MYERS

Comes now the Petitioner in the above-styled action before the Tennessee Regulatory Authority and files the Pre-Filed Direct Testimony of Michael J. Myers in support of the contemporaneously filed Petition of Integra Water Tennessee, LLC for a Certificate of Public Convenience and Necessity and Authority To Charge Rates in Hardeman Springs Subdivision Located in Williamson County, Tennessee.

The testimony is identified below.

Date: February 22, 2017

Respectfully submitted,



Benjamin A. Gastel, BPR (#28699)
Branstetter, Stranch & Jennings, PLLC
The Freedom Center
223 Rosa L. Parks Avenue, Suite 200
Nashville, Tennessee 37203
Tel: 615.254.8801
Fax: 615.255.5419
Email: beng@bsjfirm.com

Attorney for *Integra Water Tennessee, LLC*

**BEFORE THE TENNESSEE REGULATORY AUTHORITY
NASHVILLE, TENNESSEE**

IN RE:)	
PETITION OF INTEGRA WATER TENNESSEE, LLC)	
FOR A CERTIFICATE OF PUBLIC CONVENIENCE AND)	Docket No. _____
NECESSITY AND AUTHORITY TO CHARGE RATES IN)	
HARDEMAN SPRINGS SUBDIVISION LOCATED IN)	
WILLIAMSON COUNTY, TENNESSEE)	

PRE-FILED DIRECT TESTIMONY OF MICHAEL J MYERS

Q: Please state your name for the record and your position with the Petitioner, Integra Water Tennessee, LLC.

A: Michael J Myers, I am the Managing Member and President of Integra Water Tennessee, LLC

Q: Are you presenting testimony on behalf of Integra Water Tennessee, LLC?

A: Yes.

Q: Did you assist and cause the Petition to be filed in this proceeding requesting an Initial Certificate of Public Convenience and Necessity for Hardeman Springs Subdivision in Williamson County, Tennessee?

A: Yes

Q: Can you describe the service you propose to provide?

A: Yes, Integra Water Tennessee proposes to provide wastewater utility service to the planned 121 residential homes located in the Hardeman Springs Subdivision. We are anticipating 12 customers at the end of year 1 with eventual buildout of 121 residential homes. The Utility System will consist of a collection system that conveys the untreated wastewater from the home to a recirculating sand filter for treatment prior to disposing of the treated effluent to a subsurface drip irrigation system.

Q: How many customer will be served by the proposed system?

A: As stated above, the subdivision is planned for 121 residential homes.

Q: Do you operate any other systems in this area?

A: This is our second filing with the TRA in Tennessee. The first system has not yet gone on line but we anticipate it going into operation during the summer of 2017. Integra Water Tennessee, LLC's affiliated companies own and operate other water and wastewater utility systems in North Carolina and Alabama under the names Envirolink and Old North State Water Company in North Carolina and Integra Water in Alabama.

Q: Does Integra Water Tennessee possess the managerial, technical and financial ability to provide wastewater service in the area referred to in the Petition?

A: As stated above, this is the second submittal in Tennessee for Integra Water Tennessee. The Tennessee operation will be supported by Integra Water in Birmingham Alabama for customer service, billing, accounting and financial support. In addition, Integra Water Tennessee will be supported by Envirolink and Old North State Water Company in North Carolina for regulatory, engineering management, rate analysis, operational, and technical support. In addition, Integra Water Tennessee will be supported locally by Mr. Jamie Reed (SEC, Inc.) for engineering support, Mr. Cecil Brown for operational support and Mr. Benjamin Gastel for legal support.

In total these family of companies have been in the business of providing water and wastewater utility ownership and management of municipal owned and investor owned water and wastewater infrastructure since 1997 and have a staff of over 60 employees specializing in engineering, finance, accounting, operations and maintenance of water and wastewater facilities.

Q: Is there a public need for wastewater service in the area?

A: Yes. There are 121 planned residential homes for this community that will require wastewater service. As an investor owned utility with current operations in Alabama and North Carolina, we have the managerial, technical and financial resources to provide wastewater service to the service area.

Q: Is all the information contained in the Petition accurate to the best of your knowledge?

A: Yes, it is.

Q: Does Integra Water Tennessee intend on complying with all the Authority rules, statutes, and orders pertaining to the provision of wastewater service in Tennessee?

A: Yes. We have been fortunate to sustain significant growth over the years and have garnered an excellent reputation with state regulatory officials in all the areas we serve. We take our responsibility to provide water and wastewater utility service in an environmentally responsible manner very seriously, therefore we feel very comfortable in affirming that Integra Water Tennessee will comply with all the Authority rules, regulations and orders pertaining to the provision of providing wastewater service in Tennessee.

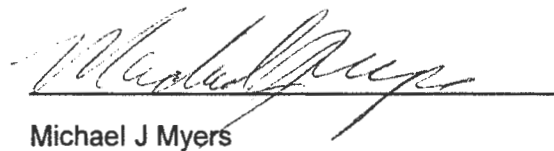
Q: Does this conclude your testimony?

A: Yes.

State of Tennessee)

County of DAVIDSON)

Michael J Myers having been duly sworn, makes oath that the statements contained in the foregoing Pre-Filed Direct Testimony are true to the best of his knowledge, information and belief.


Michael J Myers

SWORN TO AND SUBSCRIBED before me on this 21st day of February, 2017


Notary Public


My Commission Expires: 7/6/20