IN THE TENNESSEE PUBLIC UTILITY COMMISSION AT NASHVILLE, TENNESSEE

IN RE: PETITION OF TENNESSEE)	
	,	DOCKET NO. 21 00026
WASTEWATER SYSTEMS, INC., TO AMEND ITS CERTIFICATE		DOCKET NO. 21-00026
OF CONVENIENCE AND	,	
	,	
NECESSITY		

SECOND SUPPLEMENTAL INFORMATION

Tennessee Wastewater Systems, Inc. ("TWSI", "Utility", or "Company") files this Second Supplemental Information in response to the email filed in this Docket by Commission Staff dated June 16, 2022, and responds as follows:

Additional Information to be provided in this docket

1. Regarding Commission Rule 1220-04-13-.17 (a)(7): Regarding the geographic territory to be served. Please provide the Parcel ID information (Control map, Group, and Parcel ID) of the land to be deeded to the Utility. It will be similar to the property information which can be obtained from this web address: https://assessment.cot.tn.gov/RE Assessment/

ANSWER: See attached Exhibit 1

2. Regarding Commission Rule 1220-04-13-.17 (b)(1): Please provide a letter from the Clay County municipal government regarding its intent/non-intent to serve the proposed area.

ANSWER: A letter from Clay County has been requested and will be filed in the docket upon receipt.

3. Regarding Commission Rule 1220-04-13-.17 (b)(3): Please provide the final executed signature page for the applicable contracts in this docket negotiated between the Contractor, the Utility, and the property/subdivision Developer.

ANSWER: See attached Exhibit 3

4. Regarding Commission Rule 1220-04-13-.17 (d)(2): Please provide copies of Mr. Jeramy Stewart's Wastewater System Operator license, Grade I Collection Systems license, and his Biological Natural Systems license in this docket filing.

ANSWER: The operator will be Tracy Nichols. A copy of his current license is attached as Exhibit 4.

5. Regarding Commission Rule 1220-04-13-.17 (d)(1): Please provide a copy of the State Operating Permit ("SOP") application filed with TDEC. Include the letter from TDEC indicating the receipt of a complete application, and including any engineering and/or design reports submitted to TDEC: such as the Design Development Report and the Detailed Soils Investigation Report.

ANSWER: A copy of the SOP application is attached as Exhibit 5A. The letter of complete application from TDEC is attached as Exhibit 5B. The engineering plans is attached as Exhibit 5C. The DDR and DSIR are part of the county requirements for systems in Williamson County and do not apply to this petition.

Regarding Testimony to be updated in this docket

- 6. Regarding Commission Rule 1220-04-13-.17 (f)(1): Regarding evidence the public need exists for this wastewater system. An authorized representative of TWSI will need to make a statement saying that: "The property is not currently served by any wastewater provider, and that no local utilities, nor city or county governments intend to provide wastewater service."
- 7. Regarding Commission Rule 1220-04-13-.17 (f)(5): An authorized representative of TWSI will need to make a statement that the applicant is

aware of the requirement of Rule 1220-04-13-.09(7) concerning the completion of the construction of the wastewater system within three years of TPUC's written approval of the CCN.

8. In the testimony, an authorized representative of TWSI will need to make a statement that DH Development, LLC is a subsidiary of Woodland Capital and that DH Development's representative is authorized to execute the agreements in this docket on behalf of this partnership.

ANSWER: TWSI's witness Matthew Nicks is filing supplemental testimony, included with this filing, addressing each of these items.

RESPECTFULLY SUBMITTED,

Jeff Risden (BPR No. 32769)

General Counsel

Tennessee Wastewater Systems, Inc.

851 Aviation Parkway

Smyrna, TN 37167

(615) 220-7171

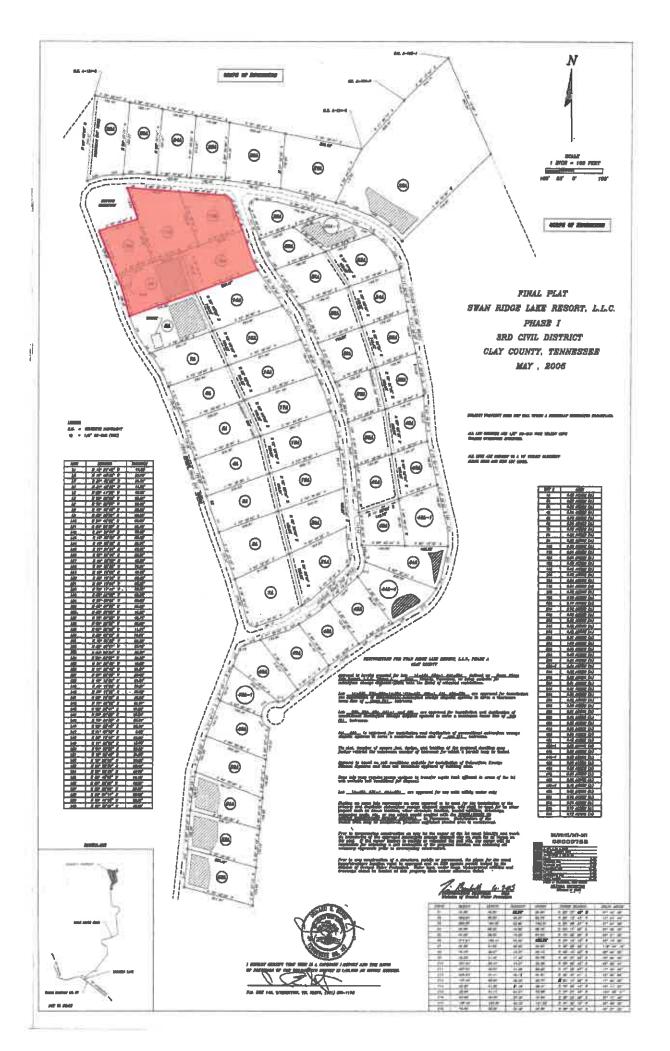
ieff.risden@adenus.com

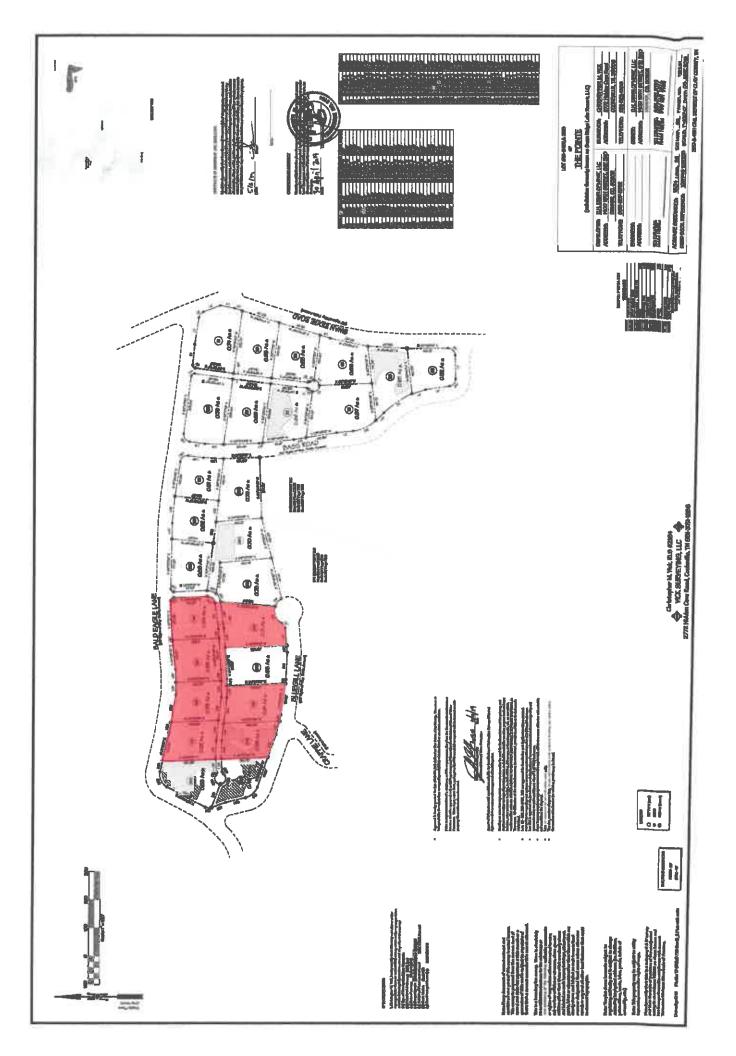
DH Development
The Pointe at Dale Hollow
Sewer Treatment Facility
Lot Conveyance to TWSI

Lot	Use
14B	Drip Irrigation Fleld
16B	Drip Irrigation Field
17B	Drlp Irrigation Field
20B	Treatment Facility
23B	Drip Irrigation Field
9A	Drip Field Reserve Area
10A	Drlp Field Reserve Area
11A	Drip Field Reserve Area
12A	Drip Field Reserve Area
13A	Drip Field Reserve Area
052 002.00*	Drip Irrigation Field

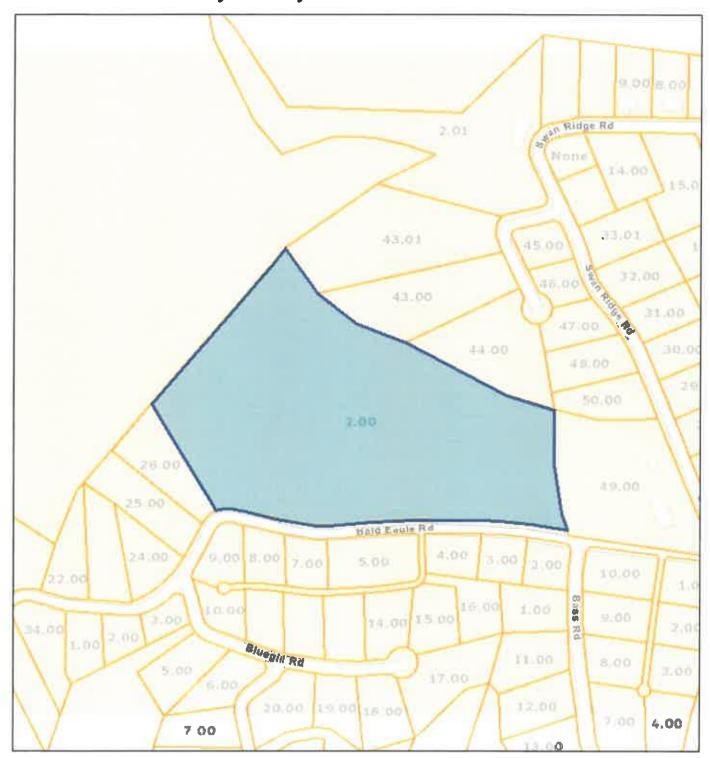
^{*}Property located in tax parcel 052 002.00 was never platted to lots. Tax Parcel information provided as reference







Clay County - Parcel: 058 002.00



Date: June 17, 2022

County: Clay

Owner: D H DEVELOPMENT LLC Address: SWANN RIDGE RD Parcel Number: 058 002.00 Deeded Acreage: 0

Deeded Acreage: 0 Calculated Acreage: 15.01 Date of Imagery: 2018

State of Tennesses, Comptroller of the Treasury, Department of Property Assessment (DPA) - Geographic Services

IN WITNESS WHEREOF, the parties have executed this Agreement to be effective as of the Effective Date.

DEVELOPER:

DH Development, LLC

Name: Aaron Patsch

Title: Authorized Representative

CONTRACTOR:

Adenus Solutions Group, LLC a Tennessee Limited Liability Company

By:.__ Name:

Title:

STATE OF TENNESSEE

WATER AND WASTEWATER OPERATOR CERTIFICATION BOARD DEPARTMENT OF ENVIRONMENT AND CONSERVATION

I.D. NO.

15046

EXPIRATION DATE 12/31/2022

THIS IS TO CERTIFY THE

Tracy A: N

R THE CLASSIFICATIONS IS IN GOOD STANDING WITH

BNS, CS2

WHEN CORRESPONDING ALWAYS REFER TO YOUR ID. NUMBER AND SEND NOTIFICATION OF ADDRESS CHANGE



March 18, 2022

Mr. Brad Harris TDEC - Division of Water Resources William R. Snodgrass Tennessee Tower 312 Rosa L. Parks Avenue, 11th Floor Nashville, TN 37243

RE: The Pointe STEP Sewer Collection System Clay County, Tennessee

Dear Mr. Harris,

Please find enclosed the Application for State Operating Permit, utility commitment letter, engineering report, construction plans, technical specifications, soil study information, wastewater plans review worksheet, and a copy of the review fee check for The Pointe STEP Sewer Collection System in Clay County, Tennessee. The documents are being submitted in conformance with TDEC's submittal guidelines on behalf of DH Development, LLC to facilitate the review process for the permitting of the above referenced facility.

The Pointe will be developed in Clay County, TN on the east side of Dale Hollow Reservoir, approximately 2 miles east of Celina, TN. The Pointe is a residential community that has 433 buildable lots; of which 180 that will be served by a decentralized treatment facility.

The wastewater conveyance, treatment, and disposal system will be owned and maintained by Adenus. The treatment facility will include a recirculating sand filter, ultraviolet disinfection, and drip dispersal zones for wastewater dispersal. This project design flow is 54,000 GPD (0.054 MGD which is below 0.075 MGD. A \$2,000 submittal check is included for wastewater treatment systems less than 0.075 MGD design flow, based upon the following TDEC rate schedule.

- \$250 for Wastewater Plants: (Final Design Submission: Plans & Specifications)
- \$250 for Engineering Report Review
- \$1,500 for Collection Systems or Force Mains: (Final Design Submission). Based upon 27,105 LF of force main at \$25.00 per 250 feet (or portion thereof); not to exceed \$1500.
- Total Permit Application Fee = \$2,000



Please contact our office at 615.933.3857 if you have any questions.

Respectfully yours,



David Dudley, PMP, PE Farmer | Morgan, LLC PO Box 592 Pikeville, TN 37367 Office: 615.993.3857

CC: Jesse McDowell

Senior Vice President

Resource Land Holdings, LLC



Tennessee Department of Environment and Conservation Division of Water Resources William R. Snodgrass - Tennessee Tower 312 Rosa L. Parks Avenue, 11th Floor Nashville, Tennessee 37243-1102 (615) 532-0625

APPLICATION FOR A STATE OPERATION PERMIT (SOP)

	Type of application:	New Permit	Permit Reissuance	Permit Mod	lfication
Permittee Identification: (Name of city, town, 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 To Name (applicant):	ennessee Wastew	ater Systems, Inc			
Permittee 848 Address:	Aviation Parkwa	y, Smyrna, TN 37	167		
Official Conta	ct: Jeff Risden		Title or Position:	EO	
Mailing Addre	ess: 849 Aviation	Parkway	City: Smyrna	State: TN	Zip: 37167
Phone number	er(s): 615-220-7171		E-mail: jeff.risden@	adenus.com	
Optional Conf	tact: Matthew Nick	s	Title or Position: Enginee	ering Director	
Address: 849	Aviation Parkway		City: Smyrna	State: TN	Zip: 37167
Phone numbe	er(s): 615-220-7166	6	E-mail: matthew.nl	lcks@adenus	s.com
Application 40-0505)	Certification (m	nust be signed in	accordance with t	the requiren	nents of Rule 0400-
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. As specified in Tennessee Code Annotated Section 39-16-702(a)(4), this declaration is made under penalty of perjury.					
Name and ti	tle; print or type		Signature		Date
Jeff	Risden, CEO				
CN 1251 (Rev. 03-	-19)	(conti	nued)		RDA 2366

Permit Number: SOP-_____

Facility Identifica	etion:		Existing Permit No.
Facility Name: The Pointe	Step Sewer Collection	System	County: Clay
0-6-	Swan Ridge Road a, TN 38551		Latitude: 36.53806 N
Location.			Longitude: 85.41833 W
	e to nearest receiving wa		
numbers:	or Federal Water/Wastew	ater Permits have been obtained f	or this site, list their permit
None			
Name of company	or governmental entity t	hat will operate the permitted syst	em: Tennessee Wastewater Systems, Inc.
Operator address:	849 Aviation Parkway,	Smynra, TN 37167; 615-220-7166	
with the Tennesse		te of Convenience & Necessity (CC RA) (may be required for collection No NA	
explain how and w renewal terms of t	then the ownership will b he contract for operation		ractual arrangement and
wastewater flow:		ng the entity type, number of desig	n units, and daily design
City, town or county	No. of connections:		
Subdivision	No. of homes: 180	Avg. No. bedrooms per home: 3	54,000
School	No. of students:	Size of cafeteria(s): No. of showers:	
Apartment	No. of units:	No. units with Washer/Dryer hoo No. units without W/D hookups:	kups:
Commercial Business	No. of employees:	Type of business:	
Industry	No. of employees:	Product(s) manufactured:	
Resort	No. of units:		
Camp	No. of hookups:		
RV Park	No. of hookups:	No. of dump stations:	
Car Wash	No. of bays:		
Other			
No. of the last of		t result in wastewater generation.	111

CN 1251 (Rev. 03-19)

Permit Number: SOP-

Previously submitted and entitled: Approved? Yes. Date: No		systems and/or land application treatment s		□ N/A
Vastewater Collection System:	☑ Prepared in accordance with Rule 1200-4-2 ☑ Attached, or	203 and Section 1.2 of the Tennessee Design C	riteria (see website for more in	nformation)
ystem type (i.e., gravity, low pressure, vacuum, combination, etc.): Watertight effluent pressure collection system ystem Description: 2", 2.5", 3", and 4" diameter SDR 17 PVC pressure pipe and required fittings escribe methods to prevent and respond to any bypass of treatment or discharges (i.e., power failures, equipment failures, heavy rains, etc.): ach home has a minimum of 24-36 hours storrage in the STEP tank. Heavy rains have a minimal impact on a watertigh olicction system. Generators can be used as necessary during an extended power outage, white even of reystem failure describe means of operator notification: All pumps have redundancy & miarma. Ist the emergency contact(s) (name/phone): Matthew Nicks 615-220-7166, matthew.nicks@adenus or low-pressure systems, who is responsible for maintenance of STEP/STEG tanks and pumps or grinder tumps (list all contact information)? Tennessee Wastewater Systems, Inc., 849 Aviation Parkway, mynra, TN 37167; 615-220-7166 proximate lengthrof sewer (excluding private service lateral): 27,105-LF umber/hp of lift stations: / Number/hp of lift pumps / umber/hp of lift stations: / Number/hp of lift stations: / Number/hp of lift stations: / Number/hp of lift pumps / umber/volume of low pressure and or grinder pump tanks Proposed 2-3000 gal Recirc Tank, I-2000 gal Final Dose Tank Num- r/volume senic tanks 186-1.600.STEP tanks tuch a schemital of the collection system. Attached ithis is astellite sewer and you are tying in to another sewer system complete the following section, listing tic-in points to the sewer system d their location (tatch additional sheets as necessary): Tic-in Point None Latitude (xx xxxx*e) Longitude (xx xxxx*e) Longitude (xx xxxx*e) None Por New or Modifier Projects: The Pointe Dure of Developer for the projects DB Develoment Developer address and phone number: 1400 16th Street, Suite 320, Denver, CO 8020; 720.723.2850 or land application, list: 28 Proposed acreage involved: 13.59 acres total Sinches/week gard syll Manling fat, to be appli	Previously submitted and entitled:	Арр	roved? Yes. Date:	□ No
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		en er en	CONTROL OF THE	
Swan Ridge Road		ss: The Brip Field is adjacent to Bald Eagle-I	an e and the Re serv e Area I s	adjacent to
No Describe how access to the land application area will be restricted fence with access gates	200000000000000000000000000000000000000	Market and Market and American		

Permit Number: SOP-

Attach required additional Engineering Report Information (see website for more information) M 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. 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. 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. I Topographic map of the area where the wastewater is to be land applied with no greater than : foot contours presented at a minimum size of inches by | | inches. 🖾 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) see Chapter 15 🛮 A general description of all past and present groundwater uses as well as the general groundwater flow direction and general water quality. 🖾 A general description of the population and cultural development within the AOR:i.e. 🖾 agricultural, 🗌 commercial, 🦳 residential or 🔲 mixed. Nature of injected fluid to include physical, chemical, biological or radiological characteristics. 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 areal this can be obtained from the water provider) 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. Description of system. Volume of injected fluid in gallons per day based upon design flow, including any monitoring wells Chapter 7 Mature and type of system, including installed dimensions of wells and construction materials Pump and Haul: ⊠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: gal. Volume of holding tank: 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): ⊠ N/A Pond use: ☐ Recirculation ☐ Sedimentation ☐ Cooling ☐ Other (describe): Describe pond use and operation:

Permit Number: SOP-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?

Yes ☐ No If so, describe disposal plan: Is the pond ever dewatered? Yes No If so, describe the purpose for dewatering and procedures for disposal of wastewater and/or sludge: Is(are) the pond(s) aerated? Yes □ 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 1? Yes No Describe the liner material (if soil liner is used give the compaction specifications): ls there an emergency overflow structure? 🔲 Yes 🔲 No if so, provide a design drawing of structure. Are monitoring wells or lysimeters installed near or around the pond(s)? Yes No If so, provide location information and describe monitoring protocols (attach additional sheets as necessary): Attach required additional Information ☐ 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. 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) Description of all past and present uses of groundwater within the AOR, as documented by public record. 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... 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. [] 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 AQR, which supply public or private drinking water systems... Il 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:				⊠ N/A
☐ Individual Operator	☐ Fleet Operation Operator			,,
Indicate the type of equipment, vehicle, or struct	ure to be washed du	ring normal operations	(check all tha	t apply):
Cars		Parking Lot(s):	sq. ft.	
Trucks		Windows: sq. fi.		
☐ Trailers (Interior washing of dump-trailers, or tail	tanks. is prohibited.) Structures (describe):			
Other (describe);				
Wash operations take place at (check all that app	dy):			
Car sales lot(s)		☐ Public parking lot(s)		
Private industry lot(s)		☐ Private property(ies)		
County(ies), list:		☐ Statewide		
Wash equipment description:				
☐ Truck mounted		☐ Trailer mounted		
Rinse tank size(s) (gal.):		Mixed tanks size(s) (gal.):		
Coffection tank size(s) (gal.):		Number of tanks per vei	nicle:	
Pressure washer: psi (rated)	gpm (rated)	Pressure washer: gas powered electric		
Vacuum system manufacturer/model:		Vacuum system capacity: inches Hg		
Describe any other method or system used to contain	and collect wastews	ater:		
List the public sewer system where you are permitte permission letter):	d or have written pen	mission to discharge was	e wash water (include a copy of the permit o
permission letter): Are chemicals pre-mixed, prior to arriving at wash le	ocation?	□ No		
permission letter):	ocation?	□ No		
permission letter): Are chemicals pre-mixed, prior to arriving at wash le	ocation?	No	ial sheets as n	
permission letter): Are chemicals pre-mixed, prior to arriving at wash letergents, or other chemicals	ocation? Yes	No	ial sheets as n	rcessary):
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permission letter): Are chemicals pre-mixed, prior to arriving at wash letergents, or other chemicals	ocation? Yes	No	ial sheets as n	rcessary):

0.1.1 Groundwater General Description

The USGS maps indicate the Pointe wastewater treatment area drainage flow path is to the west and north towards Dale Hollow Reservoir. The Pointe development is comprised of approximately 638 acres. The topography is mainly gently rolling to rolling slopes of 5-15%. The property is bordered by Dale Hollow Reservoir to the north, to the west, east and south by private property by others. Roughly 15% of the site is wooded.

The Pointe development property was previously woodland with some areas cleared for pastureland. Groundwater was used historically to provide water to residents in the region. At this time the area is served by the Northwest Clay Utility District.

It is assumed that the groundwater movement and surface flows are to the west, east, and north towards Dale Hollow Reservoir.

Following is summary of post development conditions:

- * Number of Lots Served: 180
- * Design Flow/Lot: 300 GPD
- * Total Design Flow: 54,000 GPD
- * Land Application Loading Rate: 0.25 GPD/S.F.
- * Land Application Area Required: 4.96 Acres
- * Land Drip Disposal Reserve Area: 2.48 Acres (50%)
- * Total Land Application Area Required: 7.44 Acres
- * Total Land Application Area Provided: 13.59 Acres
- * Total Land Application Area Available After Setbacks, Slope
- * Corrections, & Unsuitable Soils: 8.8 Acres
- * Drip Line Spacing: 5'

Note the following USGS information maps and soil maps in Chapter 19 of this engineering report.







NOTES TO USERS

SCALE

(E) FEMA Mational Flood Insurance Program

NATIONAL FLOOD BISURANCE FLOOD PHIJIBANCE RATE MAP

47081COLEGE

National Flood Hazard Layer FIRMette



OTHER FEATURES OTHER AREAS OF FLOOD HAZARD OTHER AREAS MAP PANELS 2,000 Basemap: USGS National Map: Ortholmagery: Data refreshed October, 2020 Zonova Zonova HEAVEN WITHOUT BEING 1:6,000 AREA OF MINIMAL FLOOD HAZARD ■ Feet 1,500 1,000 8 250

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRSH PAVEL LAYOUT

SPECIAL FLOOD HAZARD AREAS

Without Base Flood Elevation (BFE)
Zone A, V, ASB
With BFE or Depth Zone AE, AO, AK, VE, AR Regulatory Roods areas of less than one square mile Zone. Puture Conditions 1% Annual Chance Rood Hazard Zone X

Area with Flood Risk due to Leveszone D Area with Reduced Flood Risk due to Lovee, See Notes, Zone X

No screen Area of Minimal Flood Hezard Zone X Effective LOMIRs

Area of Undetermined Flood Hazard Zane A

Channel, Culvert, or Storm Sewer GENERAL ---- Channel, Culvert, or Storn STRUCTURES | 1111111 Levee, Dife, or Roodwall

107

Water Surface Elevation

lass Flood Ber Limit of Study

Coastal Transact Baselly **Jurisdiction Bound**

Hydrographic Feature

Digital Data Available

No Digital Data Availabi

point selected by the user and does not represen an authoritative property location. The pin displayed on the map is an approximate

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap

reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or The flood hazard information is derived directly from the suthoritative NFHL web services provided by FEMA. This

01.2 Population General Description

Previously, the majority of the Area of Review was woodland with some locations cleared primarily for pasture and is out on a large peninsula of Dale Hollow Reservoir. The majority of the area has been cleared for the Pointe development and now contains roadways, some utilities, and several homes. Note maps and aerial photos within this report

01.3 Nature of Fluid

A total of 180 residential lots out of the 433 residential lots within The Pointe development will be connected the STEP sewer system and have a peak design discharge of approximately 54,000 gpd of domestic wastewater. The effluent quality is typical domestic residential treated wastewater that meets State Operating Permit limits.

01.4 Publicly Supplied Water

The Pointe development is provided municipal public water serviced by the Northwest Clay Utility District.

Jeff Risden

From:

bryan.pope@tn.gov

Sent:

Thursday, June 2, 2022 9:05 AM

To:

Jeff Risden

Cc: Subject: bryan.pope@tn.gov

TDEC-DWR - Notice of Complete Permit Application

*** This is an EXTERNAL email. Please exercise caution. DO NOT open attachments or click links from unknown senders or unexpected email. ***

State of Tennessee

Department of Environment and Conservation Division of Water Resources

Permit Number

SOP-19023

Permittee Name

Tennessee Wastewater Systems Inc.

Project Name

The Pointe

The Division of Water Resources (the division) acknowledges the receipt of a permit application in our office on 23-MAR-22.

Rules of the Tennessee Department of Environment and Conservation, Division of Water Resources, Chapter 0400-40-5-.05 (2): Permit Application, Issuance, state, in part: "The applicant will be provided notice of completeness of the application and re-submitted material within 30 days of a determination that such material constitutes a complete application. This provision does not preclude the commissioner from later requesting additional material that subsequent to the notice of completeness is determined to be necessary for permit processing."

Your application was deemed complete on 02-JUN-22.

Details regarding this permit application and associated documents can be viewed at: https://dataviewers.tdec.tn.gov/pls/enf_reports/f?p=9034:34051::::34051:P34051_PERMIT_NUMBER:SOP-19023

If you have questions, please contact Bryan Pope at 931-224-3098 or by E-mail at bryan.pope@tn.gov.

Thank you for helping us protect Tennessee waters.

We accept and encourage electronic document submittals via Water.Permits@tn.gov

Please tell us how you think we're doing by completing TDEC Customer Satisfaction Survey at: https://www.surveymonkey.com/r/TDECSurvey



DH DEVELOPMENT, LLC. THE POINTE

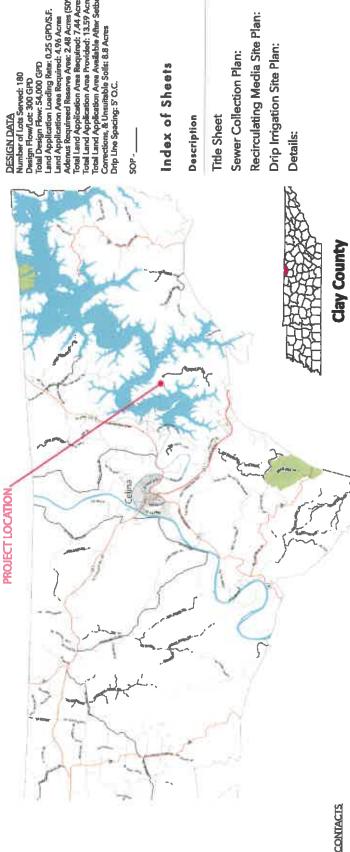
WASTEWATER TREATMENT STEP SEWER SYSTEM, COLLECTION AND DRIP DISPERSAL PLANS CLAY COUNTY, TN



2022

Lecally My Lecally Year

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Trile Sheet
Sewer Collection Plan: 1.1-1.7
Recirculating Media Site Plan: 2.1
Drip Irrigation Site Plan: 3.1
Details: 4.1-4.8

Tennessee

SCALE: 1"- 1 MILE

FARMER | MORGAN
DESIGN CONSTRUCTION

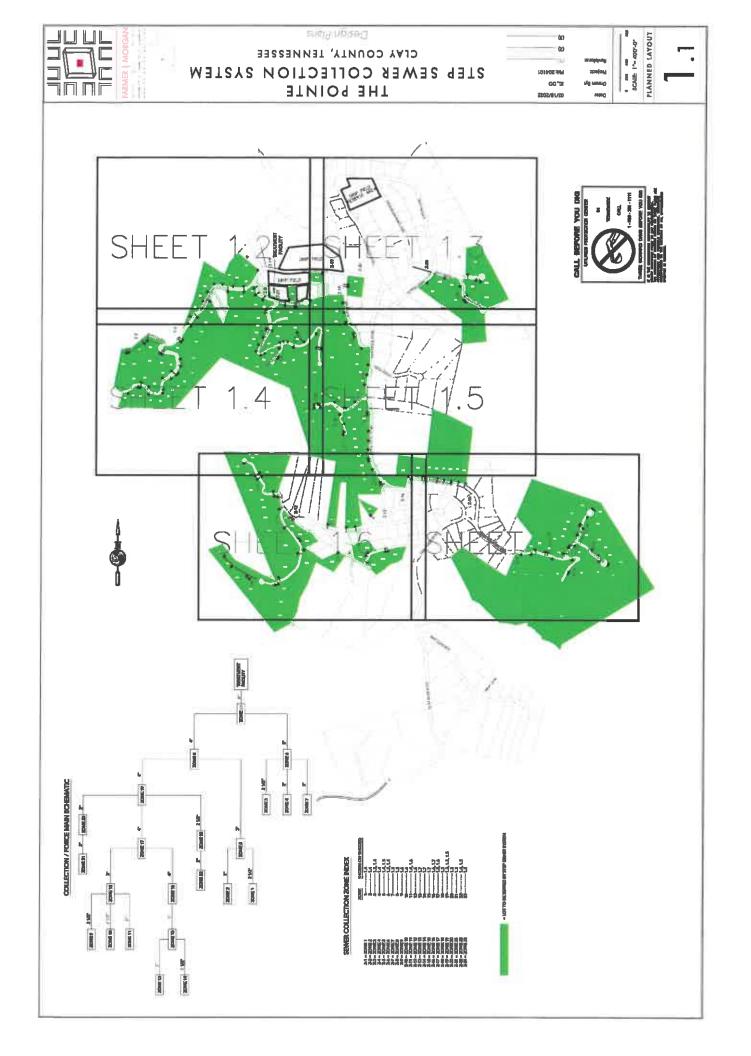
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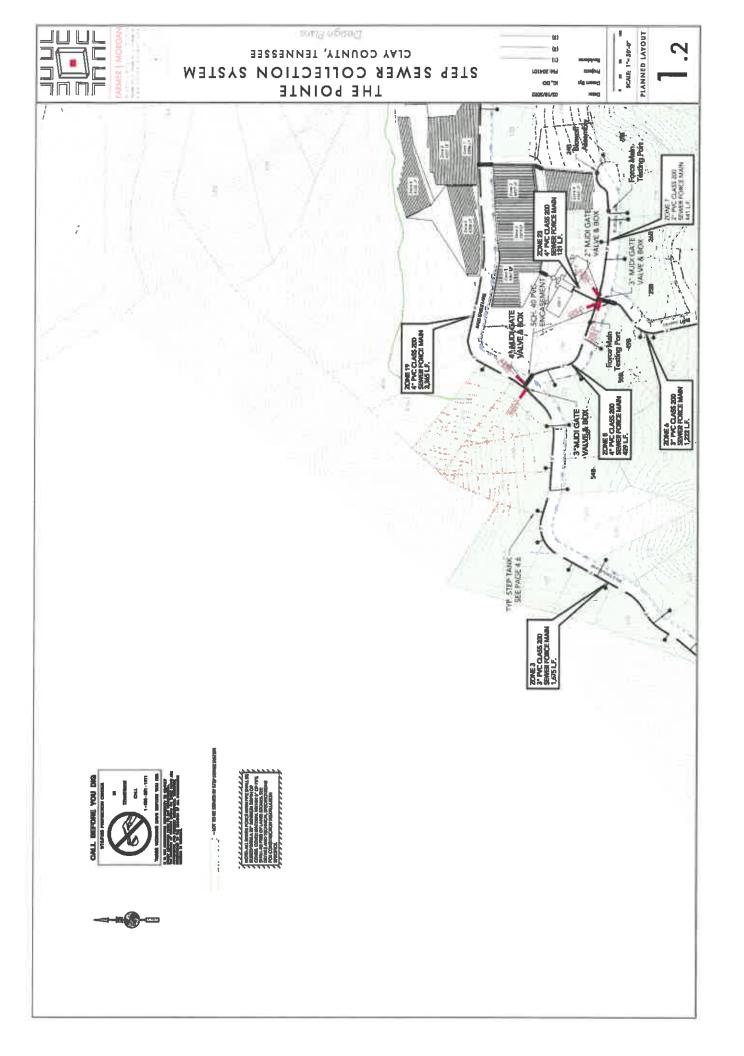
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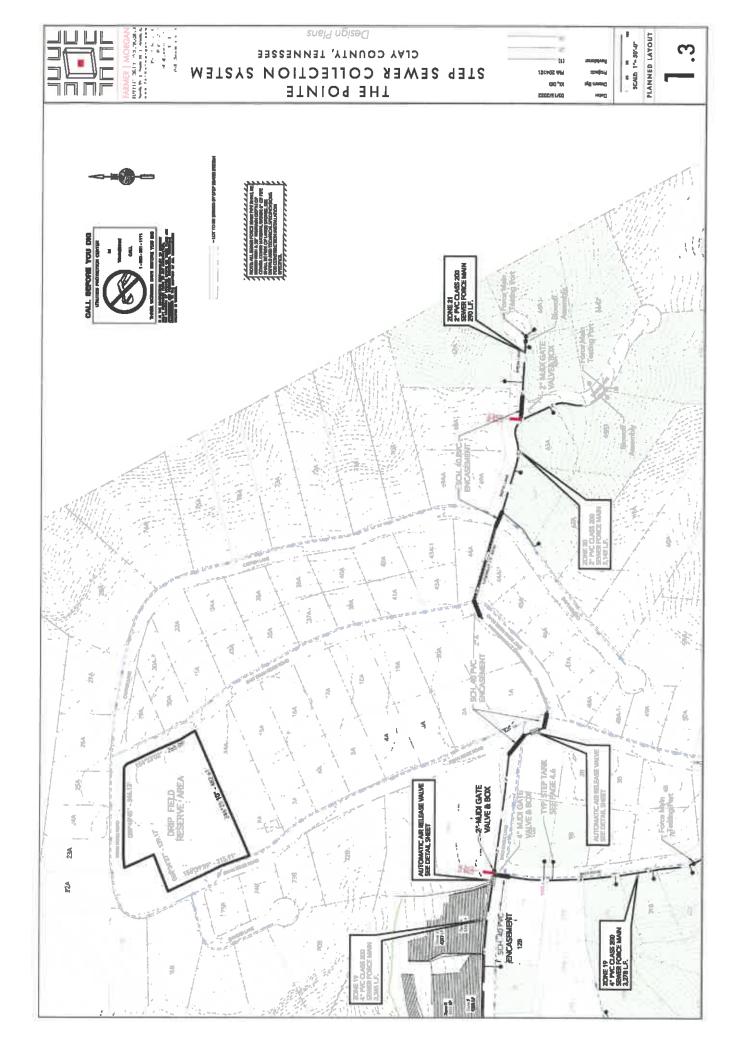
Farmer | Morgan, LLC 441 Spring St. Pikeville, TN 37367 (615)-761-9002 Benjamin Farmer

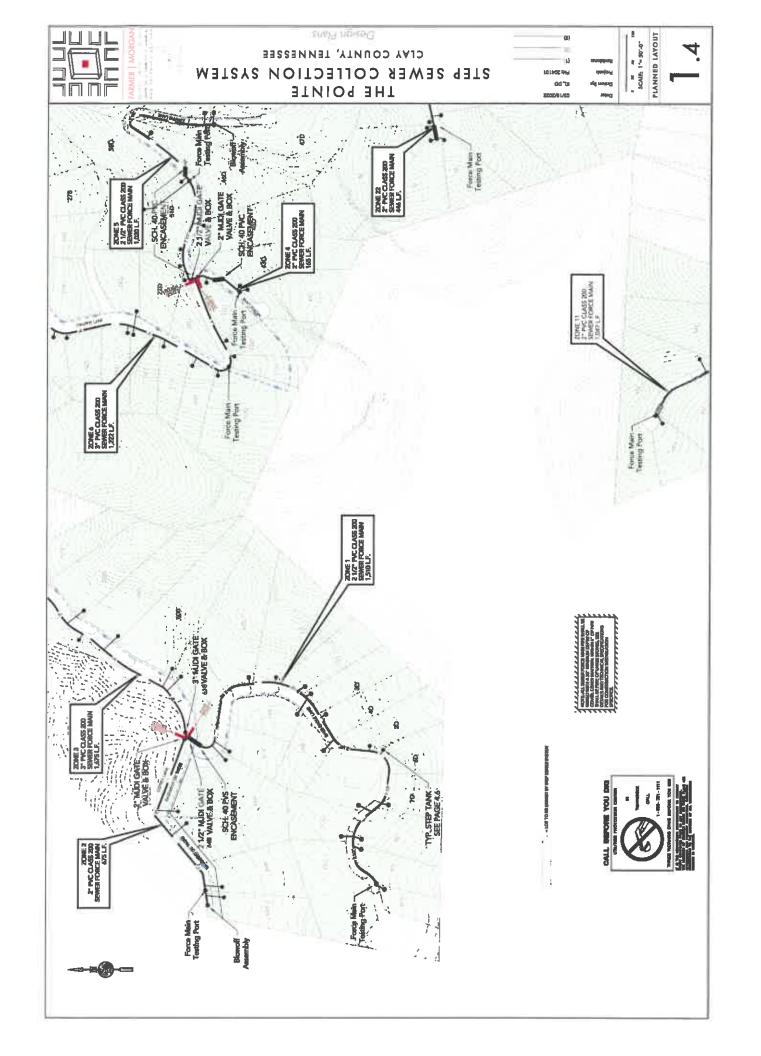
Matt Nicks

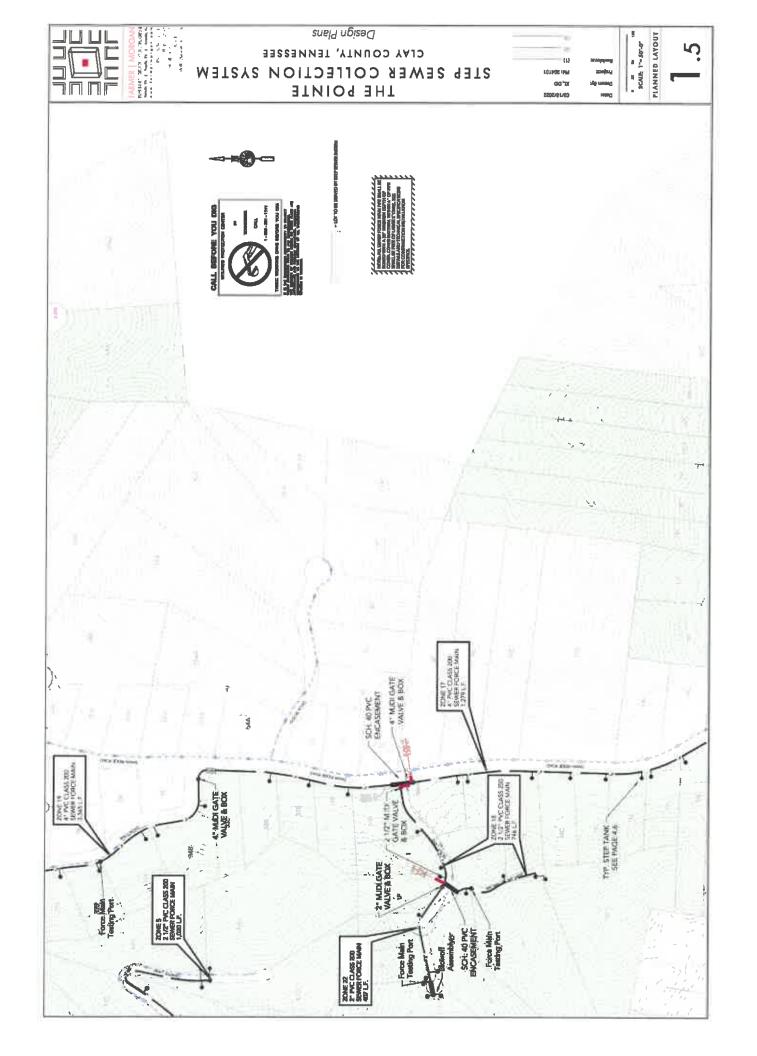
SEE JOHNS STAR

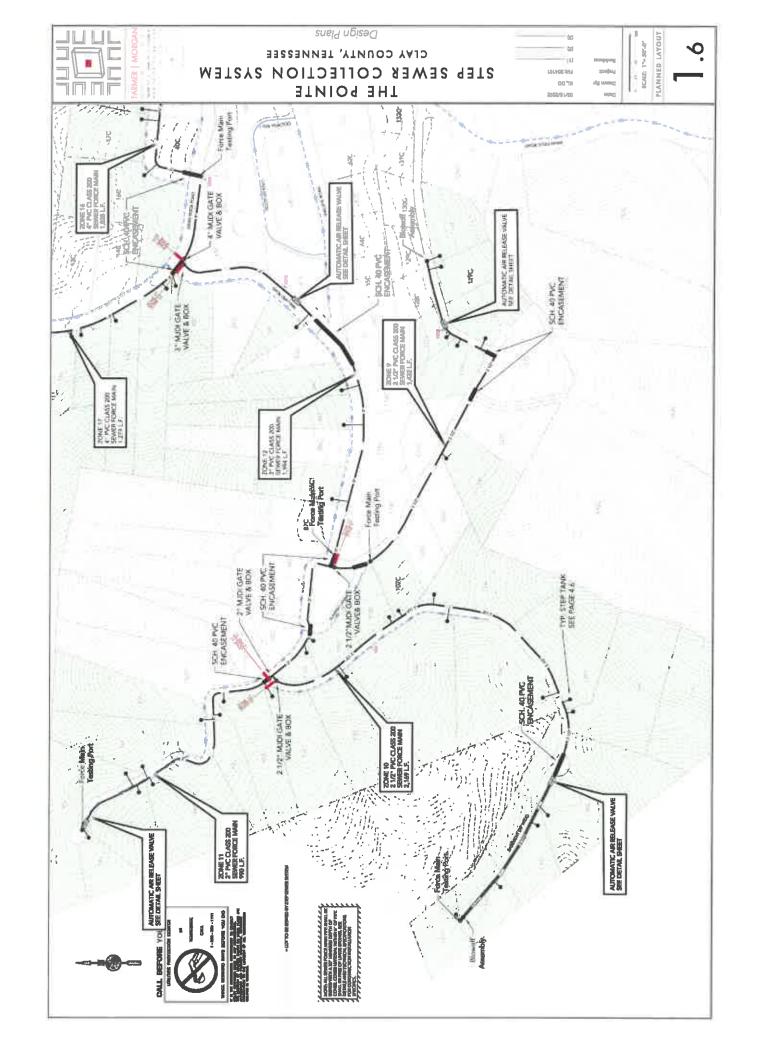


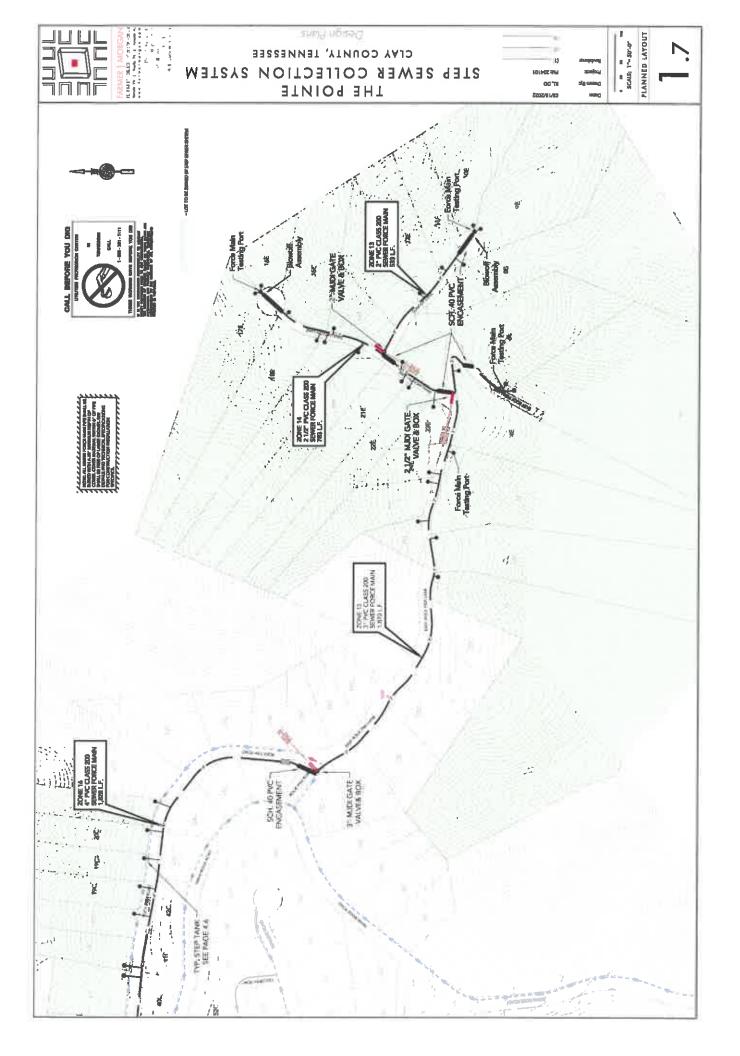


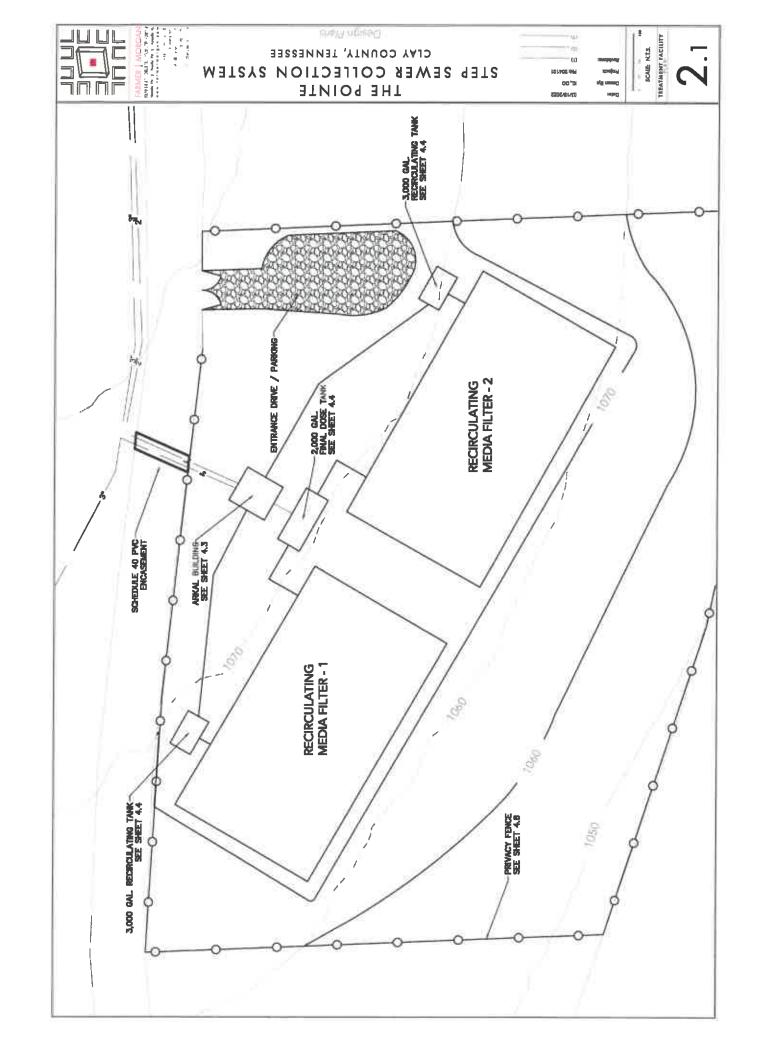


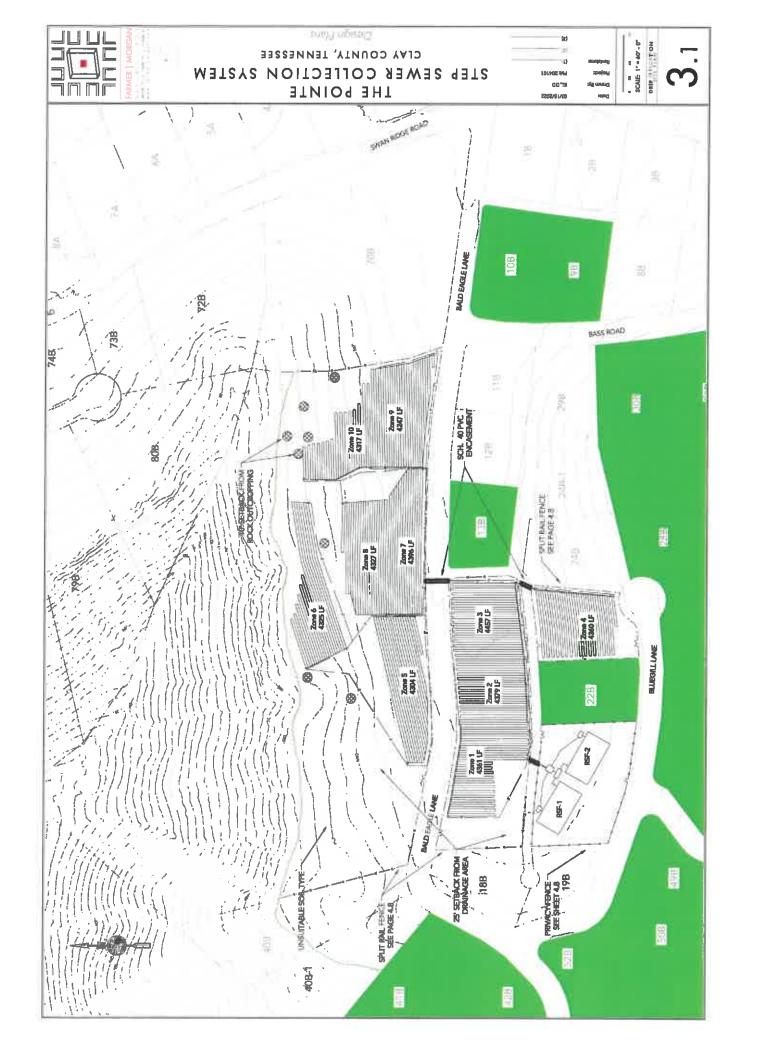






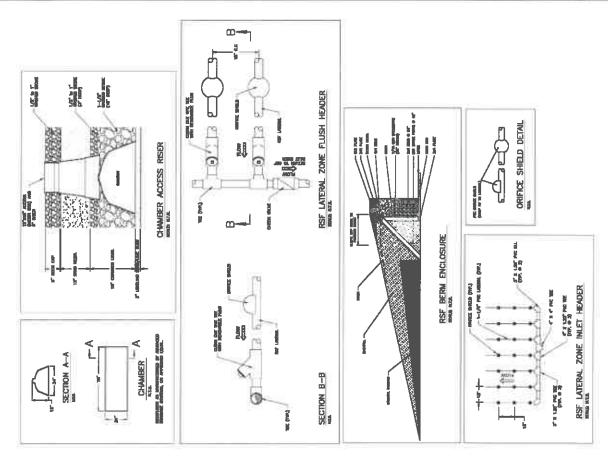


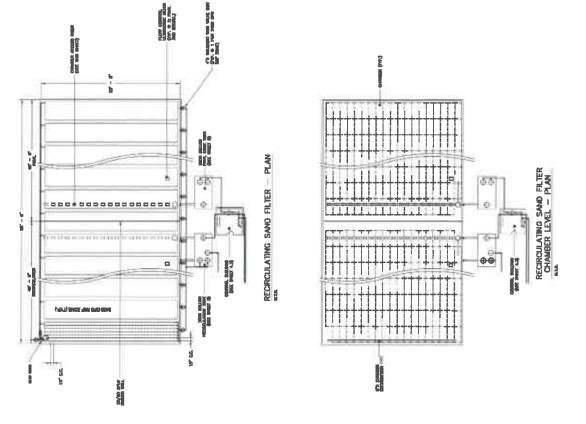




THE POINTE CLECTION SYSTEM CLECTION SYSTEM





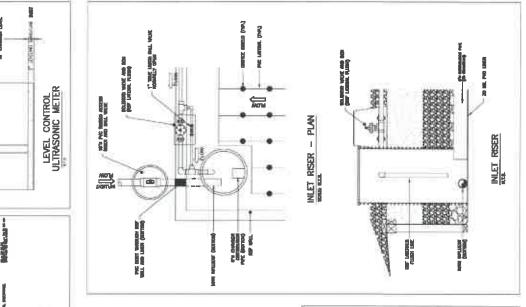


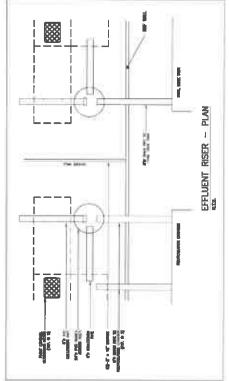
STEP SEWER COLLECTION SYSTEM CLAY COUNTY, TENNESSEE



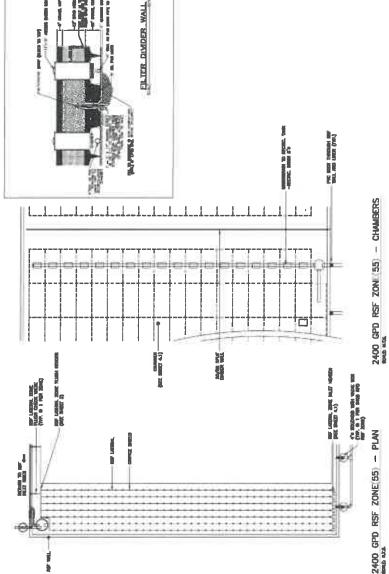
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AT ACTOR (METR USE)



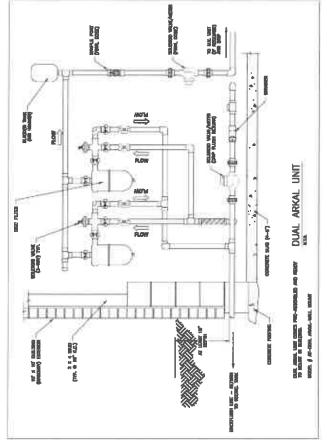


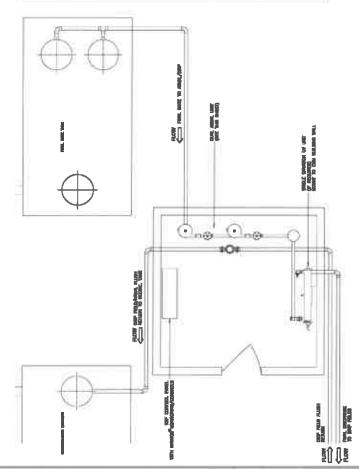
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THE PC CLAY COUNTY, Clay Cou







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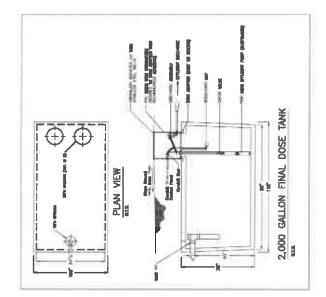




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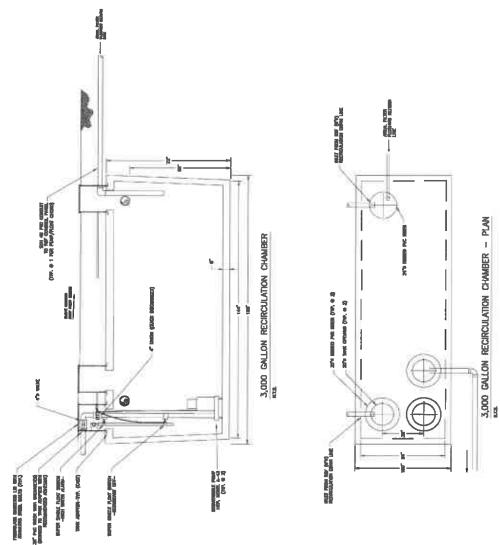


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CLAY COUNTY, TENNESSEE

STEP SEWER COLLECTION SYSTEM

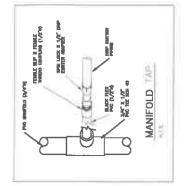
THE POINTE

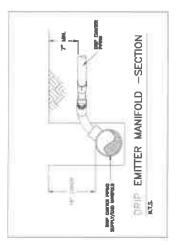


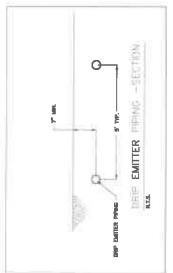
THE POINTE CLECTION SYSTEM CLAY COUNTY, TENNESSEE

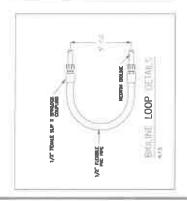
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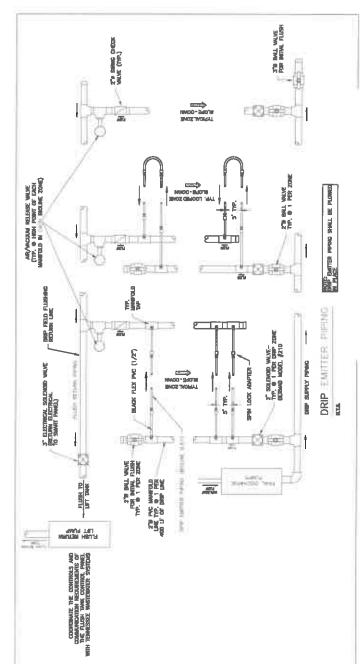














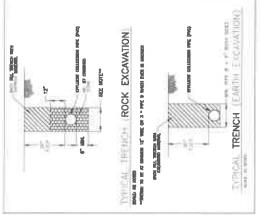


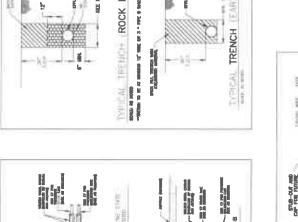


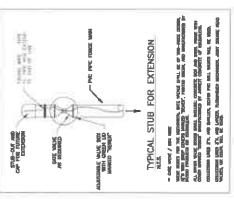


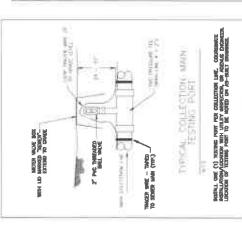


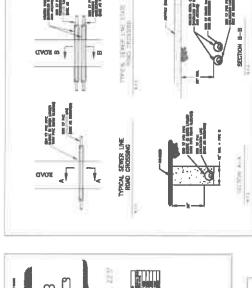


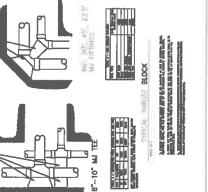


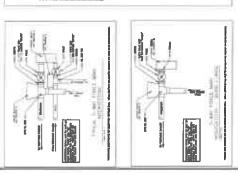


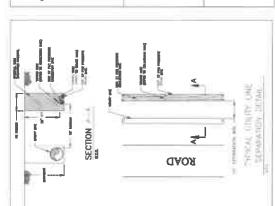






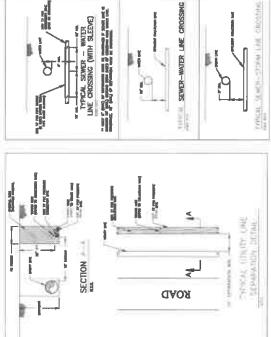






TYPICAL SEWER - WATER
LINE CROSSING (WITH SLEEVE)

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4.8

SCALE, AS NOTED

DETAILS

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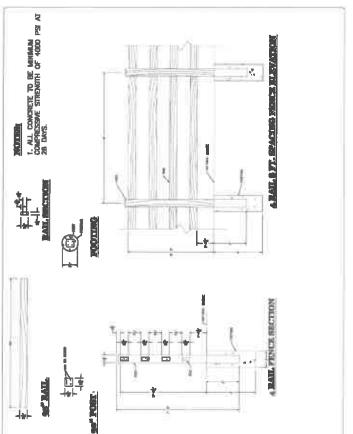
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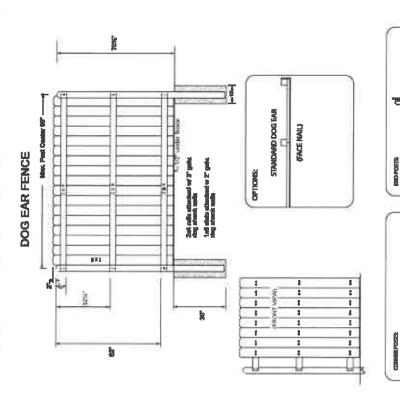




Four-Board Tence (Drip Field Perimeter) Construction Nation

- Contractor shall install four-board fence around perimeter of the drip

- Contractor shall install one 3.4 wide single well-kinough gate. At each drain field, Gate shall be constructed to inclusivy standards, Gate shall have the same four-board design appearance as the privacy fence. Gate shall be lockable from the cutation.
 Contractor shall install one choule drive-through gate with two hinged swinging panels at each drain field. Each hinged singling panel shall be 6.4 wide, with the entire open drive-through planners being 12-ft wide. Gates shall be be from the construction between four-board design appearance as the drip field area permeter. Finno. Gate shall be constructed to inclustry standards.
 - All four-board fance wood shall be pressure-treated wood.



Privacy Fance Construction Notes:

ALL OUTSIDE SLATS

- Ŀ
- 2
- 1. Contractor shall install privacy fence around perfinetar of the treatment facility where noted on the clawings.
 2. Contractor hall install one 3-th wide single privacy walk-through gate.
 3. Contractor hall install one 3-th wide single privacy walk-through gate. Gate shall have the aarne dog-sened design appearance as the privacy fence. Gate shall have the aarne dog-sened design appearance as the privacy fence. Gate shall be ampleded to contractor shall install one double drive-durough gate with two hingard swinging penel stall for 2-th wide, with the entire open drive-through distance being 1-th wide. Gates shall bee the entire open drive-through distance being 1-th wide. Gates shall be constructed to industry standards. Gate shall be loctable from the inside only.

 4. All privacy fance wood shall be pressure-treated wood. લ

IN THE TENNESSEE PUBLIC UTILITY COMMISSION AT NASHVILLE, TENNESSEE

IN RE: PETITION OF TENNESSEE WASTEWATER SYSTEMS, INC., TO AMEND ITS CERTIFICATE OF CONVENIENCE AND NECESSITY))))	DOCKET NO. 21-00026	

SUPPLEMENTAL TESTIMONY OF MATTHEW NICKS

- Q1. What is your name and business address?
- A. My name is Matthew Nicks, and my business address is 851 Aviation Parkway, Smyrna TN, 37167.
- Q2. Have you previously filed testimony in this matter?
- A. Yes.
- O3. What is the purpose of your supplemental testimony?
- A. To provide some additional information requested by Commission Staff, regarding the public need for the wastewater system to serve The Pointe subdivision, attest to a Commission Rule, and address the relationship between Woodland Capital, LLC and DH Development and specifically regarding the ability of DH Development to convey the property utilized for the wastewater system to Tennessee Wastewater Systems, Inc.
- O4. Does a public need exist for the wastewater system to serve The Pointe subdivision?
- A. Yes. The property is not currently served by any wastewater provider, and no local utility, nor the city or county governments intend to provide wastewater service.
- Q5. Is TWSI aware of Commission Rule 1220-04-13-.09(7)?
- A. Yes.
- Q6. Please describe the relationship between Woodland Capital, LLC and the developer DH Development, LLC; and whether DH Development, LLC is authorized to execute agreements and convey the property in this docket.
- A. DH Development, LLC is a subsidiary of Dale Hollow Partners, LLC which is a subsidiary of Coastal Timber Partners II, LLC (CTP II). CTP II is jointly owned by Resource Land

Fund V, LLC (capital partner) and Greg Boree (operating partner). As the operating partner, Greg is principal of Woodland Capital and his team manages the day to day operations of CTP II, including DH Development. Resource Land Holdings, LLC is the manager of Resource Land Fund V, and as the majority owner of CTP II, the principals of RLH are authorized to sign on behalf of each sub-entity including DH Development, LLC which owns the property and has authority to convey the land and system to TWSI.

Q14. Does this complete your testimony? A. Yes.

AFFIDAVIT

My name is Matthew Nicks and	I affirm that all the informa	tion contained in the petition and in
this testimony of Matthew Nicks	filed in this Docket are tru	e to the best of my knowledge and
belief		

Matthew Nicks

County of Rutherford)
State of Tennessee)

On this _____th day of June 2022, personally appeared before me, Susan Chaffin, a notary public, the above-named Matthew Nicks, known to me personally who was duly sworn and on oath executed the above Affidavit.

otary

My commission expires: 01/25/26

STATE OF TENNESSEE NOTARY PUBLIC ON THE PUBLIC OF THE PUBL