

1329 WEST MAIN STREET FRANKLIN, TN 37064 615.678.8212

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#### **TN Public Utility Commission**

Chairman Herb Hilliard 502 Deaderick Street 4th Floor Nashville, TN 37243 (800) 342-8359 615-741-2904 22-00107

Electronically Filed in TPUC Docket Room on October 25, 2022 at 3:05 p.m.

RE: Letter of Determination for CCN Requirement

Southpointe Community Church
7581 Nolensville Rd

Tax Map 82, Parcel 22.00 in Williamson County, TN

To whom it may concern:

I am writing to request a letter of determination for whether a CCN is required for the following project: TDEC PROJECT# 22.0570 and SOP-22027.

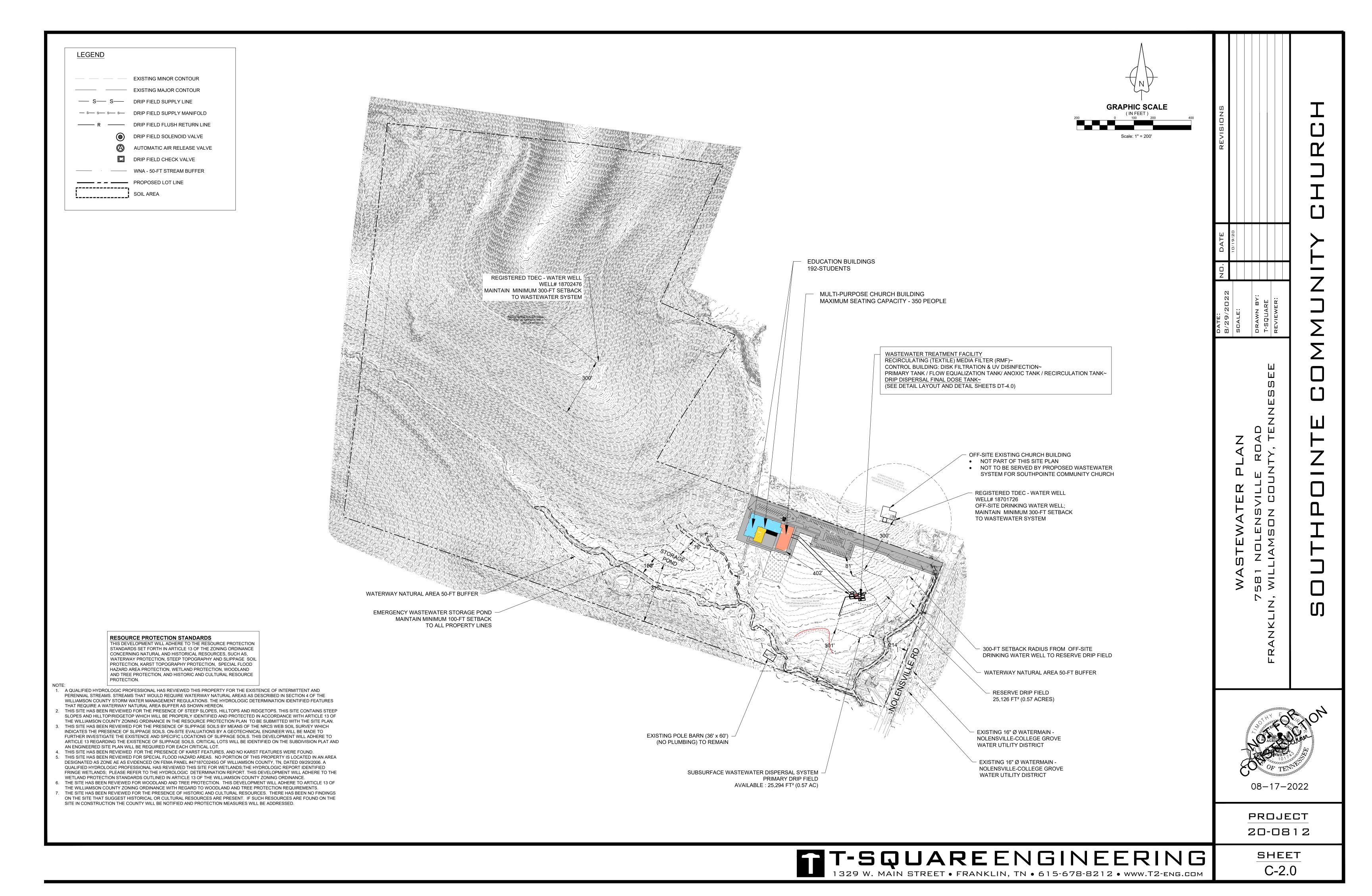
This project consists of proposed wastewater system which is to be a privately owned by Southpointe Community Church. The Church wishes to develop their property at 7581 Nolensville Rd in Williamson County, TN (Tax Map 82, Parcel 22.00). As proposed, Southpointe will construct facilities for their church and a school (K-5), both to be served by a wastewater system which will require a State Operating Permit from TDEC. All facilities and the wastewater system are to be contained on the same parcel of land. Southpointe Community Church is to own the wastewater system and maintain a contract with a qualified wastewater operator as required by TDEC.

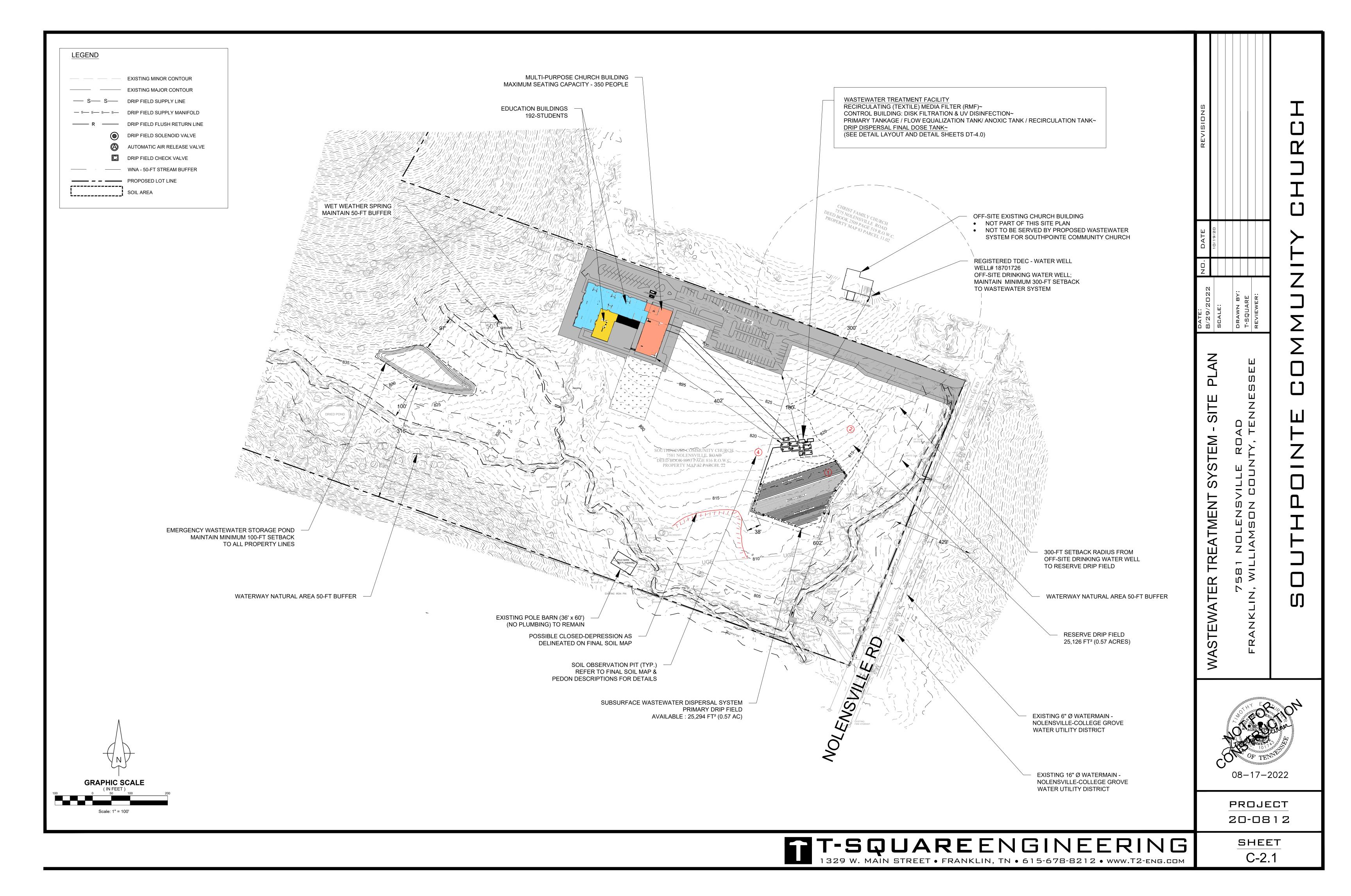
A Pre-Project Discussion (PPD) meeting has been held with TDEC staff. Williamson County Planning Department requires determination from TPUC that a CCN is not required for the construction and operation of the wastewater system in order to submit the proposed site plan for review.

I would greatly appreciate your assistance in providing Williamson County Planning Department a letter of determination. Please contact me with any questions or concerns.

Thank you,

Eric Jervis, PE Wastewater Director T-Square Engineering, Inc. OFFICE: 615.678.8212, ext.105 CELL: 615.972.8556 eric.jervis@t2-eng.com







Type of application:

# 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 (615) 532-0625

#### APPLICATION FOR A STATE OPERATION PERMIT (SOP)

☐ Permit Reissuance

☐ Permit Modification

New Permit

Permittee Identification: (Name of city, town, indus				
the provisions of Tennessee Code Annotated Section	69-3-108 and Regulation	ns of the Te	ennessee Water Quality	
Control Board.)				
Permittee	* '4			
Name Southpointe Community Church				
(applicant):	A			
Permittee Address: 7227 Haley Industrial Dr, Nolensville, TN 37135				
Official Contact: Monte Starkes	Title or Position: Exec	cutive Past	tor	
Mailing Address: 7227 Haley Industrial Dr	City:	State:	Zip:	
Training Fladross. 7227 Ilasey Industrial Di	Nolensville	TN	37135	
Phone number(s): <b>(615)</b> 746-7722	E-mail:	1 211	10/100	
monte@southpointecommunity.org			nmunity.org	
	-1			
Optional Contact: Kevin Underwood	Title or Position:			
,	Operator			
Address:	City:	State:	Zip:	
7227 Haley Industrial Dr	Nolensville	TN	37135	
Phone number(s):	E-mail:			
615-746-7722	kevinmunderwood@gmail.com			
Application Certification (must be signed in accorda	ance with the requiremen	its of Rule	1200-4-505)	
I certify under penalty of law that this document a	nd 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 in				
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:	Signature		Date	
Monte Starkes	Morte Harke	a)	9-11-22	

Permit Number: SOP-\_\_\_\_

Facility Identificatio	n:		Existing Permit No.	
Facility SOUTHPO Name:	INTE COMMUNITY CHU	RCH TREATMENT FACILITY	County:	Williamson
Facility			Latitude:	35.9133
Address or 7581 N Location:	Nolensville Rd , Nolensvi	lle, TN 37135	Longitude:	-86.6620
		In many of Anibustanus to Assain atom		
		In-named tributary to Arrington		
numbers: N/A	ederal water/wastewater	Permits have been obtained for thi	s site, list theil	r permit
Name of company or	governmental entity that w	vill operate the permitted system:	Arrow Utility	Resources
Operator address:	PO Box 233 Watertown,	TN 37184		
-	tory Authority (TRA) (may	Convenience & Necessity (CCN), y be required for collection system		
	•	e facility/site or if the applicant wi	-	•
		or describe the contractual arrang		
the contract for operat		urces will be the contracted oper nte Community Church	ator of privat	tely owned
_	ing information explainin	g the entity type, number of des	ign units, and	l daily design
wastewater flow:	Nymah an a f	Dagian Unita		Flow (and)
Entity Type  City, town or	No. of connections:	Design Units		Flow (gpd)
county	Tro. of connections.			
Subdivision	No. of homes:	Avg. No. bedrooms per home: 1	NΑ	
X School	No. of students: 193	Size of cafeteria(s): No. of showers:		2,895 gpd
Apartment	No. of units:	No. units with Washer/Dryer ho	okups:	
		No. units without W/D hookups	):	
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:			1 750 ~~ 1
X Other	Church - 350	t manufe in avantament and in a		1,750 gpd
Typical Domestic		t result in wastewater generation.		

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Permit Number: SOP-\_\_\_\_

	collection systems and/or land app	lication treatment	□ N/A		
systems):	1000 10 00 10 1 10 01				
Prepared in accordance with Rule 1200-4-203 and Section 1.2 of the Tennessee Design Criteria (see					
website for more information)					
Attached, or	A. Ammayaa	l? Yes. Date:	□No		
Previously submitted and entitle	d: Approved	1? Tes. Date:	∐ NO		
Wastewater Collection System:			□ N/A		
System type (i.e., gravity, low press	ure, vacuum, combination, etc.): Water	ight gravity service lines from Cl	hurch to TF		
System Description: 6"diameter SDR 21 PV	VC pipe and required fittings from building(s) to primar	/ tank			
Describe methods to prevent and respond to any bypass of treatment or discharges (i.e., power failures, equipment failures, heavy rains, etc.):Power failure will be offset by school closure. Heavy rains have a minimal impact on a watertight collection system. Small generators can be connected to treatment system as necessary during power outage. Telemetry notification will alert operator to equipment failure					
In the event of a system failure desc	ribe means of operator notification:	All pumps have redun	dancy & alarms.		
List the <b>emergency</b> contact(s) (name/phone): Dan Martin 931.639.3462					
For low-pressure systems, who is responsible for maintenance of STEP/STEG tanks and pumps or grinder pumps (list all contact information)? N/A					
Approximate length of sewer (excluding private service lateral): N/A					
Number/hp of lift stations: 0 / Number/hp of lift pumps 0/0					
Number/volume of low pressure and or grinder pump tanks 0/0  Number/volume septic tanks Primary Tank 10,000-gal; Anoxic Tank 5,000-gal; EQ Tank 5,000-gal; Recirc Tank 4,000-gal; Grease 1,500-gal					
Attach a schematic of the collection system. 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):					
Tie-in Point	Latitude (xx.xxxx°)	Longitude (x	x xxxx°)		
N/A	Laurade (AA.AAAA )	<u> Longitude (A</u>	A.AAAA J		
1 1/13					

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Land Application Treatment System:	□ N/A
Type of Land Application Treatment System: Drip Spray Other, explain:	
Type of treatment facility preceding land application (recirculating media filters, lagoons, other	, etc.):
(2) AX-100 - Modules (Textile Media Filter)	
Attach a treatment schematic. X Attached	
Describe methods to prevent and respond to any bypass of treatment or discharges (i.e., power	failures,
equipment failures, heavy rains, etc.): Same as above	ŕ
For New or Modified Projects:	
Name of Developer for the project: Southpointe Community Church	
Developer address and phone number:	
Developer address and phone number.	
Monte Starkes - Executive Pastor	
7227 HALEY INDUSTRIAL DR	
NOLENSVILLE, TN 37135	
monte@southpointecommunity.org	
(615) 746-7722	
F. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	
For land application, list: Proposed acreage involved: 1.15(25,000 SqFt for primary/25,000 SqF	- 7
Inches/week gpd/sq.ft loading rate to be applied: 2.25 inches/week, 0	.2 gpd/st
Is wastewater disinfection proposed?	
Yes Describe land application area access:	
No Describe how access to the land application area will be restricted: Fenced	
Attach required additional Engineering Report Information (see website for more information)	
Topographic map (1:24,000 scale presented at a six inch by six inch minimum size) showing	
the project including quadrangle(s) name(s) GPS coordinates, and latitude and longitude in d	ecimal degrees
should also be included.	
Scaled layout of facility showing the following: lots, buildings, etc. being served, the waster	
system routes, the pretreatment system location, the proposed land application area(s), roads,	
boundaries, and sensitive areas such as streams, lakes, springs, wells, wellhead protection are	eas, sinkholes
and wetlands.	4 (7777 - 20) - 14
Soils information for the proposed land disposal area in the form of a Water Pollution Contraction of the proposed land disposal area in the form of a Water Pollution Contraction of the proposed land disposal area in the form of a Water Pollution Contraction of the proposed land disposal area in the form of a Water Pollution Contraction of the proposed land disposal area in the form of a Water Pollution Contraction of the proposed land disposal area in the form of a Water Pollution Contraction of the proposed land disposal area in the form of a Water Pollution Contraction of the proposed land disposal area in the form of a Water Pollution Contraction of the proposed land disposal area in the form of a Water Pollution Contraction of the proposed land disposal area in the form of the proposed land disposal area in the form of the proposed land disposal area in the form of the proposed land disposal area in the proposed land disposal area in the form of the proposed land disposal area in the proposed land disposal area	
Map per Chapter 16 and 17 State of Tennessee Design Criteria for Sewage Work. The soils	
should include soil depth (borings to a minimum of 4 feet or refusal) and soil profile descript	ion for each soil
mapped.	
Topographic map of the area where the wastewater is to be land applied with no greater than	i ten foot
contours presented at a minimum size of 24 inches by 24 inches.	
Describe alternative application methods based on the following priority rating: (1) connects	
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.	

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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	⊠ N/A
be authorized as Permit by Rule per UIC Rule 1200-4-614(2) and upon issue of a State	IN/A
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	1200-4-609 of
the Drip Dispersal System site or facility, and shall include, but not be limited to general sur	rface 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 2.0	·
A general description of all past and present groundwater uses as well as the general ground	water flow
direction and general water quality. See 3.0	
A general description of the population and cultural development within the AOR (i.e. agric	ultural,
commercial, residential or mixed) See 4.0	
Nature of injected fluid to include physical, chemical, biological or radiological characteristic	ics. See 5.0
If groundwater is used for drinking water within the area of review, then identify and locate	
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 are	
obtained from the water provider) See 6.0	
If the proposed system is located within a wellhead protection area or source water protection	n area
designated by Rule 1200-5-134, show the boundary of the protection area on the facility site	
Description of system, Volume of injected fluid in gallons per day based upon design flow,	
monitoring wells See 7.0	
Nature and type of system, including installed dimensions of wells and construction material	ls See 8.0
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:	
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 f	ailures

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equipment failures, heavy rains, etc.):

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Holding Ponds (for non-domestic wastewater only):	⊠ N/A		
Pond use: Recirculation Sedimentation Cooling Other (describe):			
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?   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.)? Yes No			
Describe the liner material (if soil liner is used give the compaction specifications):			
Is 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 shonecessary):	eets as		

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<b>Mobile Wash Operations:</b>				⊠ N/A
Individual Operator		Fleet Operatio	n Operator	I
Indicate the type of equipment, ve	hicle, or structure	<del></del>		ns (check all
that apply):	,		<b>6</b> 1	
Cars		Parking Lot(s)	sq. ft.	
Trucks		Windows:	sq. ft.	
Trailers (Interior washing of dun	np-trailers, or	— □ α, , (1	1 \	
tanks, is prohibited.)		Structures (des	scribe):	
Other (describe):				
Wash operations take place at (ch	eck all that apply):	·		
Car sales lot(s)	11 07	Public parking	g lot(s)	
Private industry lot(s)		Private proper	ty(ies)	
County(ies), list:		Statewide		
Wash equipment description:				
Truck mounted		Trailer mounte	ed	
Rinse tank size(s) (gal.):		Mixed tanks s	ize(s) (gal.):	
Collection tank size(s) (gal.):  Number of tanks per vehicle:				
Pressure washer: psi (rated) gpm (rated)				
gas powered	electric			
Vacuum system manufacturer/model: Vacuum system capacity: inches Hg				
Describe any other method or system used to contain and collect wastewater:				
List the public sewer system where	you are nermitted or	· have written ner	mission to discharge v	vaste wash water
(include a copy of the permit or p		nave written peri	mission to discharge v	vaste wash water
(merade a copy of the permit of p	erimssion letter).			
Are chemicals pre-mixed, prior to a	riving at wash loca	tion? Yes	□No	
Describe all soaps, detergents, or o				tional sheets as
necessary):			(	
Chemical name:	Manufac	cturer:	Primary CAS No. o	or Product No.
			· · · · · · · · · · · · · · · · · · ·	

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## APPLICATION FOR A STATE OPERATION PERMIT (SOP) INSTRUCTIONS

<u>Purpose of this form</u> A completed SOP application must be submitted to obtain SOP coverage. This permit is required to operate a 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, before an existing permit expires, 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: <a href="http://www.tn.gov/environment/wpc">http://www.tn.gov/environment/wpc</a> for more information. The application will be considered incomplete without supplying all of the required information, Engineering Reports, and an original signature.

<u>Permittee Identification/Facility Identification</u> 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, and list all current areas of operation by city and county.

<u>Wastewater Collection System</u> These types of systems require engineering reports, refer to the website (<a href="http://www.tn.gov/environment/wpc/">http://www.tn.gov/environment/wpc/</a>) for more information.

<u>Land Application Treatment System</u> These types of systems require engineering reports, refer to the website (<a href="http://www.tn.gov/environment/wpc/">http://www.tn.gov/environment/wpc/</a>) for more information. Public access to the 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.

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

<u>Holding Ponds</u> 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. 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 (<a href="http://www.tn.gov/environment/permits/strmh2o.shtml">http://www.tn.gov/environment/permits/strmh2o.shtml</a>) for more information. Describe the system for rerouting 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 that apply. Note that this permit covers operations for all 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 applies. 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

## APPLICATION FOR A STATE OPERATION PERMIT (SOP) INSTRUCTIONS - CONTINUED

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.

<u>Fees</u> There is no application fee for this permit. An annual maintenance fee is required and you will be invoiced at a later date.

<u>Submitting the form and obtaining more information</u> Note that this form must be signed by the chief executive officer, owner, or highest ranking elected official. For more information, contact your local EFO at the toll-free number 1-888-891-8332 (TDEC). Submit <u>three</u> 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 makes a determination of whether to publish a draft permit. 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. The entire process normally takes from five (5) to nine (9) months. 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.