Simmons Ridge Partners, LLC
4630 Columbia Pike
Thompson's Station, TN 37179
(615) 300-0001

April 22, 2022

ATTN: ARAP Processing
Tennessee Department of Environment and Conservation - Nashville Environmental Field Office
Division of Water Resources
711 R.S. Gass Boulevard
Nashville, TN 37243

RE: ARAP Utility Crossing Application – South Carothers Road Extension, Franklin, Tennessee

Attached is a completed and signed Aquatic Resource Alteration Permit application to install a sewer and water line crossing temporarily impacting 5 linear feet of an unnamed tributary (Stream 1) of the Harpeth River. The utility crossing will consist of a 4 inch water line and an eight inch sewer line. This activity is to support a residential development site in Franklin, Tennessee. No compensatory mitigation is required.

We request that the proposed activity be covered under the TDEC General ARAP permit for Installation of Utility Crossings.

Please contact Anthony Grow at (931) 273-4681 if you have any questions. Mr. Grow will represent Simmons Ridge Partners, LLC on all matters with respect to processing the attached ARAP application.

Sincerely,

Simmons Ridge Partners, LLC

John Franks, Representative

Enclosure

1. ARAP Application with Sections 6-8 Information
2. Photo Log
3. Figures
4. Check for $500.00 ARAP application fee

Distribution:

Mr. Anthony Grow, PG, TNQHP

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
1-888-891-8332 (TDEC)

Rcd DWR em 4.22.2022

Application for Aquatic Resource Alteration Permit (ARAP) & State §401 Water Quality Certification

OFFICIAL STATE USE ONLY	Site #:		Permit #:	NR2204.128

Section 1. Applicant Information *(individual responsible for site, signs certification below)*

Applicant Name (company or individual)A Samson Investments LLC		SOS #: 001078975	Status: Active
Primary Contact/Signatory: John Franks		Signatory's Title or Position: Representative	
Mailing Address: 4630 Columbia Pike		City: Thompson's Station	State: TN Zip: 37179
Phone: (615) 300-0001	Fax:	E-mail: Jfranks130@msn.com	

Section 2. Alternate Contact/Consultant Information (*a consultant is not required*)

Alternate Contact Name: Anthony Grow			
Company: Grow Environmental Solutions LLC		Title or Position: Consultant	
Mailing Address: 1406 Wilson Avenue		City: Tullahoma	State: TN Zip: 37388
Phone: (931) 273-4681	Fax:	E-mail: tony@growenv.com	

Section 3. Fee *(Application will be incomplete until fee is received)*

☐ No Fee ■ Fee Submitted with Application Amount Submitted: $ 500

Current application fee schedules can be found at the Division of Water Resources webpage at:
https://www.tn.gov/environment/permit-permits/water-permits1/aquatic-resource-alteration-permit--arap-.html
or by calling (615) 532-0625. Please make checks payable to "Treasurer, State of Tennessee".

Billing Contact Name (if different from Applicant): Name: Email:

Address: Phone:

Section 4. Project Details *(fill in information and check appropriate boxes)*

Site or Project Name: South Carothers Road Extension		Nearest City, Town or Major Landmark: Franklin
Street Address or Location (include Zip): Northwest of the intersection of S Carothers Road and Longpoint Way, 37064		
County(ies): Williamson	MS4 Jurisdiction: Williamson	Latitude (dd.dddd): 35.888102
		Longitude (dd.dddd): -86.816959

Resource Proposed for Alteration: ■ Stream / River ☐ Wetland ☐ Reservoir

Name of Water Resource (for more information, access *http://tdeconline.tn.gov/dwr*): Unnamed

Brief Proje. t Description (a more detailed description is required under Section 8):

Project proposes installation of a 4 inch water line and an eight inch sewer line temporarily impacting 5 feet of stream.

Does the proposed activity require approval from the U.S. Army Corps of Engineers, the Tennessee Valley Authority, or any other federal, state, or local government agency? ☐ Yes ■ ..

If Yes, provide the permit reference numbers:

Is the proposed activity associated with a larger common plan of development: ☐ Yes ■ No

If Yes, submit site plans and identify the location and overall scope of the common plan of development.

Plans attached? ☐ Yes ■ No

If applicable, indicate any other federal, state, or local permits that are associated with the overall project site (common plan of development) that have been obtained in the past (e.g., construction general permit and/or other ARAP):

Application for Aquatic Resource Alteration Permit (ARAP) & State §401 Water Quality Permit

Section 5. Project Schedule *(fill in information and check appropriate boxes)*			
Proposed Start Date: 2022		*Estimated End Date:*	2025
Is any portion of the activity complete now?	☐ *Yes*	■ *No*	
If yes, describe the extent of the completed portion:			

The required information in Sections 6-11 must be submitted on a separate sheet(s) and submitted in the same numbered format as presented below. If any question is not applicable, state the reason why it is not applicable.

Section 6. Description		**Attached** Yes	No
6.1	A narrative description of the scope of the project	■	☐
6.2	USGS topographic map indicating the exact location of the project (*can be a photographic copy*)	■	☐
6.3	Photographs of the resource(s) proposed for alteration with location description (*photo locations should be noted on map*)	■	☐
6.4	A narrative description of the **existing** stream and/or wetland characteristics including, but not limited to, dimensions (e.g., depth, length, average width), substrate and riparian vegetation	■	☐
6.5	A narrative description of the **proposed** stream and/or wetland characteristics including, but not limited to, dimensions (e.g., depth, length, average width), substrate and riparian vegetation	■	☐
6.6	In the case of wetlands, include a wetland delineation with delineation forms and site map denoting location of data points	☐	■
6.7	A copy of all hydrologic or jurisdictional determination documents issued for water resources on the project site	☐	■

Section 7. Project Rationale	**Attached** Yes	No
Describe the need for the proposed activity, including, but not limited to, the purpose, alternatives considered, and what will be done to avoid or minimize impacts to water resources	■	☐

Section 8. Technical Information		**Attached** Yes	No
8.1	Detailed plans, specifications, blueprints, or legible sketches of present site conditions and the proposed activity. Plans must be 8.5.x 11 inches. Additional larger plans may also be submitted to aid in application review. The detailed plans should be superimposed on existing and new conditions *(e.g., stream cross sections where road crossings are proposed)*	■	☐
8.2	For both the proposed activity and compensatory mitigation, provide a discussion regarding the sequencing of events and construction methods	■	☐
8.3	Depiction and narrative on the location and type of erosion prevention and sediment control (EPSC) measures for the proposed alterations	■	☐

Section 9. Water Resources Degradation (degree of proposed impact) *Note that in most cases, activities that exceed the scope of the General Permit limitations are considered greater than de minimis degradation to water quality.*

Please provide your basis for concluding the proposed activity will cause one of the following levels of water quality degradation:

a. ■ *De minimis degradation*

b. ☐ reater than` *de minimis degradation* (if greater than *de minimis complete Sections 10-11)*

For information and guidance on the definition of de minimus and degradation, refer to the Antidegradation Statement in Chapter 0400-40-03-.06 of the Tennessee Water Quality Criteria Rule at: http://publications.tnsosfiles.com/rules/0400/0400-40/0400-40.htm

For information on specifics on what General Permits can cover, refer to the Natural Resources Unit webpage at: http://www.tn.gov/environment/permit-permits/water-permits1/aquatic-resource-alteration-permit--arap-/permit-water-aquatic-resource-alteration-list-of-general-permits.html

Application for Aquatic Resource Alteration Permit (ARAP) & State §401 Water Quality Permit

Section 10. Detailed Alternatives Analysis		Attached Yes	Attached No
10.1	Analyze all reasonable alternatives and describe the level of degradation caused by each of the feasible alternatives	☐	☒
10.2	Discuss the social and economic consequences of each alternative	☐	☒
10.3	Demonstrate that the degradation associated with the preferred alternative will not violate water quality criteria for uses designated in the receiving waters, and is necessary to accommodate important economic and social development in the area	☐	☒

Section 11. Compensatory Mitigation		Attached Yes	Attached No
11.1	A detailed discussion of the proposed compensatory mitigation	☐	☒
11.2	Describe how the compensatory mitigation would result in no net loss of resource value	☐	☒
11.3	Provide a detailed monitoring plan for the compensatory mitigation site	☐	☒
11.4	Describe the long-term protection measures for the compensatory mitigation site *(e.g., deed restrictions, conservation easement)*	☐	☒

Certification and Signature

An application submitted by a corporation must be signed by a principal executive officer; from a partnership or proprietorship, by the partner or proprietor respectively; from a municipal, state, federal or other public agency or facility, the application must be signed by either a principal executive officer, ranking elected official, or other duly authorized employee.

I certify under penalty of law that this document and all attachments were prepared by me, or under my direction or supervision. The submitted information 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. As specified in Tennessee Code Annotated Section 39-16-702(a)(4), this declaration is made under penalty of perjury.

John Franks	Representative		4-22-2022
Printed Name	Official Title	Signature	Date

Submitting the form and obtaining more information. Note that this form must be signed by the principal executive officer, partner or proprietor, or a ranking elected official in the case of a municipality; for details see **Certification and Signature** statement above. For more information, contact your local EFO at the toll-free number 1-888-891-8332 (TDEC). Submit the completed ARAP Application form (keep a copy for your records) to the appropriate EFO for the county(ies) where the ARAP activity is located, addressed to **Attention: ARAP Processing**. You may also electronically submit the complete application and all associated attachments to water.permits@tn.gov.

EFO	Street Address	Zip Code	EFO	Street Address	Zip Code
Memphis	8383 Wolf Lake Drive, Bartlett	38133-4119	Cookeville	1221 South Willow Ave.	38506
Jackson	1625 Hollywood Drive	38305-4316	Chattanooga	1301 Riverfront Pkwy., Ste. 206	37402
Nashville	711 R S Gass Boulevard	37243	Knoxville	3711 Middlebrook Pike	37921
Columbia	1421 Hampshire Pike	38401	Johnson City	2305 Silverdale Road	37601

Section 6: Project Description

6.1 A narrative description of the scope of the project: One utility crossing is being proposed across an unnamed tributary (Stream 1) of the Harpeth River, northwest of the intersection of S Carothers Road and Longpoint Way in Williamson County, Franklin, Tennessee. The utility crossing will support future residential development. The utility crossing will temporarily impact 5 linear feet of an unnamed tributary (Stream 1) to the Harpeth River and will consist of a 4 inch water line and an eight inch sewer line. No compensatory mitigation is required.

6.2 USGS topographic map: See Site Location Map.

6.3 Photographs of the resource(s) proposed for alteration with location description: Photos 1 and 2 (Stream 1)

6.4 A narrative description of the existing stream: One unnamed tributary (Stream 1) to the Harpeth River is proposed to be crossed. The tributary is 8 feet wide and 1 foot deep that consists of a bedrock- and silt/sand/gravel-laden stream bed. No other streams are located within the project site.

6.5 A narrative description of the proposed stream: The proposed utility crossing extension will temporarily impact 5 linear feet of an unnamed tributary (Stream 1) to the Harpeth River through the installation of a four inch water line and an eight inch sewer line.

6.6 In case of wetlands, include wetland delineation with delineation forms: There are no wetlands on the project site.

6.7 A copy of all hydrologic or jurisdictional determination documents issued for water resources on the project site: No hydrologic determination was conducted for this site. Stream 1 is assumed to be a stream.

Section 7: Project Rationale

The proposed activity is required to provide a utility line crossing needed to support future residential development off S Carothers Road. The proposed activity would allow for additional future housing needed in the City of Franklin. A 60-foot riparian buffer will be established on both banks of the stream. Site design has minimized impact to water resources as much as possible. Alternatives to intsalling the utility line crossing included:

Alternate design: Proposed design improves connectivity to future residential developments. Alternate design would not require a larger impact to Stream 1. This would not provide an improved road connection to future subdivisions. By utilizing the proposed design, future projects can access necessary utilities and provide connection without causing a degradation to water quality.

Alternate Site: An alternate site could pose a threat to impacting a greater number of water resources. An alternate site could cause a higher degradation to water quality and would also be located further from the City of Franklin.

Proposed Design: The proposed utility crossing will temporarily impact 5 linear feet of Stream 1. A 60-foot riparian buffer would be established on each bank stream following the completion of the road crossing extension. The current design will cause minimal degradation to water quality while maximizing land availability. In addition, the proposed road crossing extension will provide support for future development of residential housing needed for the City of Franklin.

Do not Construct Residential Development: This alternative would result in no development and the important road crossing extension would not be constructed. This would hinder future development and ultimately reduce residential housing that is needed for the City of Franklin.

Section 8: Technical Information

8.1 Detailed plans, specifications, blueprints, or legible sketches of present site conditions and the proposed activity. Plans must be 8.5.x 11 inches. Additional larger plans may also be submitted to aid in application review. The detailed plans should be superimposed on existing and new conditions (e.g., stream cross sections where road crossings are proposed)*:* See attached Overall Site Layout Plan and ARAP Stream Crossing Exhibits.

8.2 For both the proposed activity and compensatory mitigation, provide a discussion regarding the sequencing of events and construction methods: Access to the site is already established. Silt fencing will be established downstream of the proposed utility crossing, as well as appropriate locations within the project site prior to commencement of work. A trench 5 feet wide by 4 feet deep by 35 feet long will be constructed using a pre-drilled hoe and ram method. Trench plugs will be utilized to prevent stream loss through the new utility line trench. Once the utility lines are installed, the trench will be backfilled with rock and the top of the trench filled with concrete to provide a solid stream bottom. Cofferdams will be utilized (if needed) for the utility crossing and work will be performed in the dry. A 60-foot riparian buffer (30 feet each bank) will be established along all streams where possible following completion of work. A compensatory mitigation plan will not be required.

8.3 Depiction and narrative on the location and type of erosion prevention and sediment control (EPSC) measures for the proposed alterations: Silt fencing will be installed on both banks upstream and downstream of proposed road crossing widening prior to commencement of work. Cofferdams will be utilized (if needed), as well as other best management practices (check dams, wattles, etc.) and work will be performed in the dry. A 60-foot buffer will be established along both sides of the stream following completion of work. The disturbed riparian buffer will be stabilized and replanted with native vegetation. A compensatory mitigation plan will not be required.

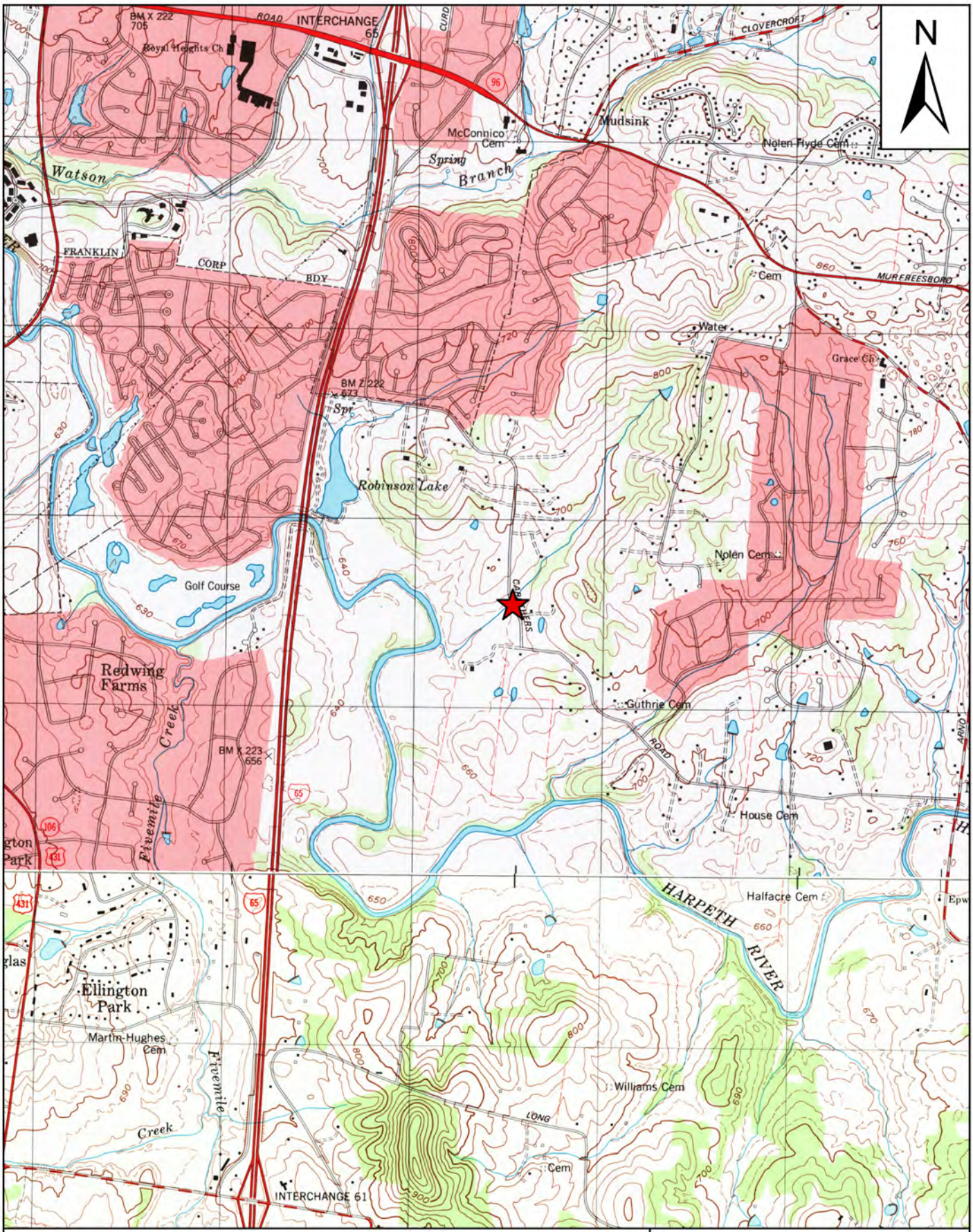
Attachment 2
Photo Log

PHOTO LOG
South Carothers Road Extension
Williamson County, Tennessee

Photo 1: Stream 1, Looking upstream
Coordinates: 35.888117, -86.816956

Photo 2: Stream 1, Looking downstream
Coordinates: 35.888117, -86.816956

Attachment 3
Figures



Legend

★ Project Location

0 2,000 4,000

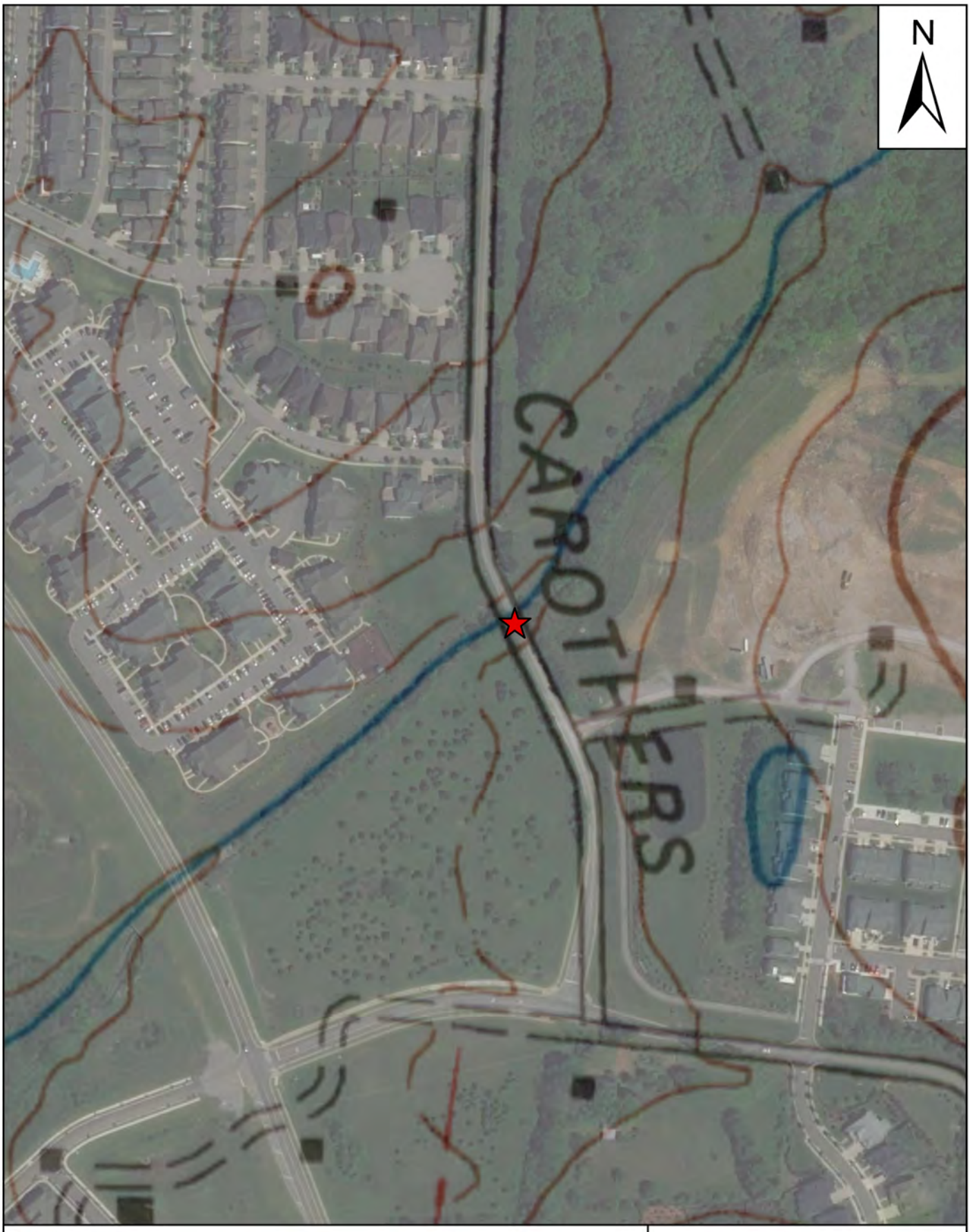
SCALE IN FEET

Coordinate System: NAD 1983 StatePlane Tennessee FIPS 4100 Feet

SITE LOCATION MAP
SIMMONS RIDGE
WILLIAMSON COUNTY, TENNESSEE

GROW ENVIRONMENTAL SOLUTIONS

Source: Historical Topographic Map Collection courtesy of the U.S. Geological Survey, Esri, USDA FSA, GeoEye, Maxar



Legend

★ Project Location

0 210 420

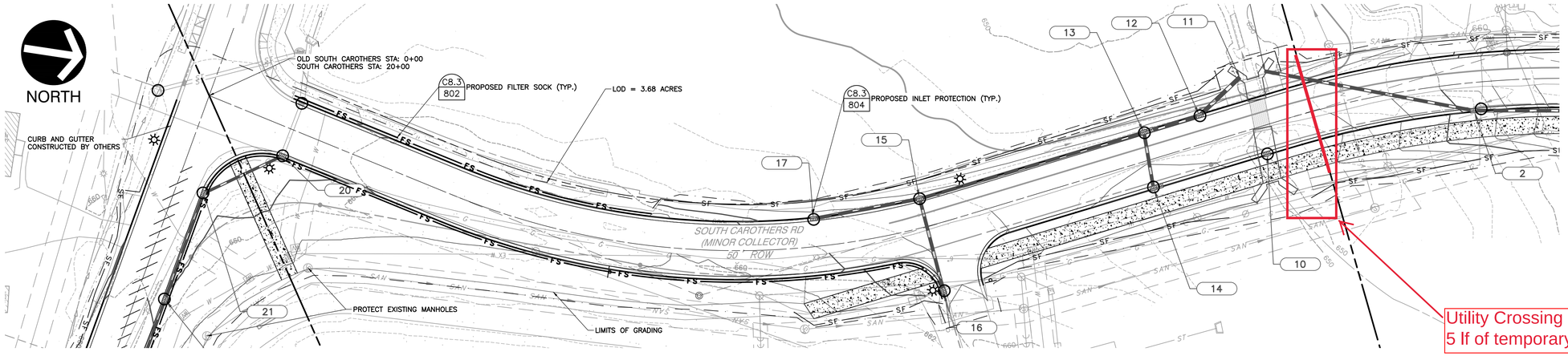
SCALE IN FEET

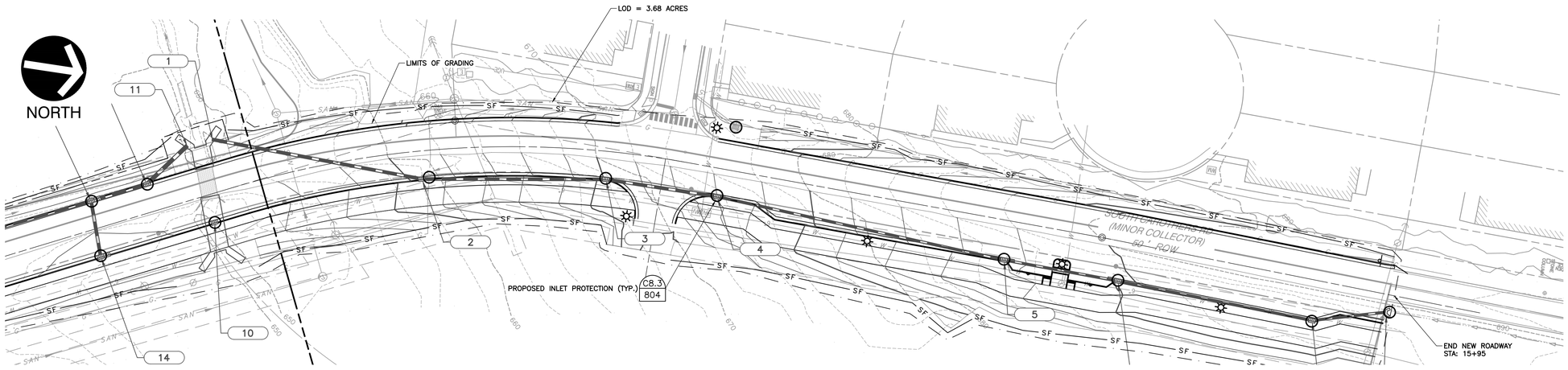
Coordinate System: NAD 1983 StatePlane Tennessee FIPS 4100 Feet

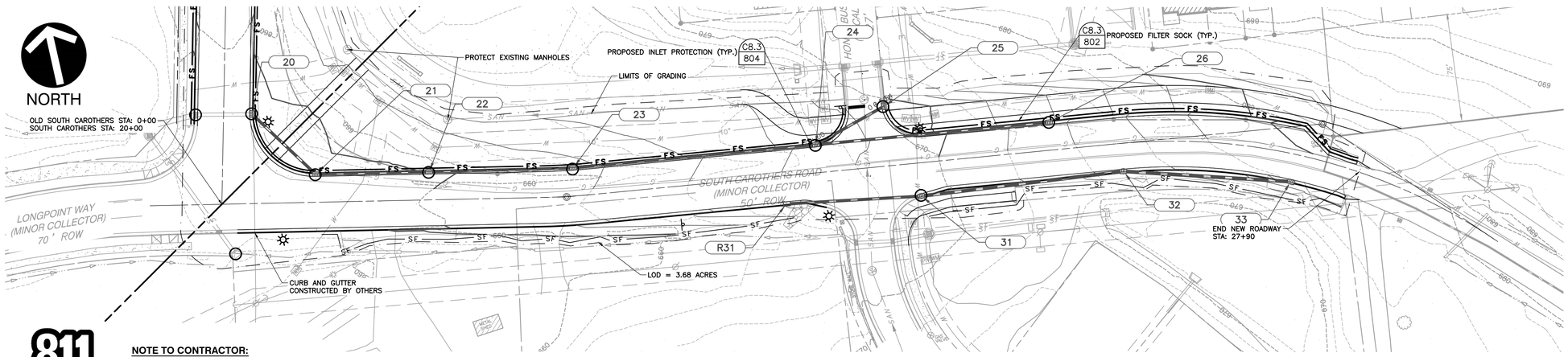
ROAD CROSSING LOCATION MAP
SIMMONS RIDGE
WILLIAMSON COUNTY, TENNESSEE

GROW ENVIRONMENTAL SOLUTIONS

Source: Historical Topographic Map Collection courtesy of the U.S. Geological Survey, Esri, GeoEye, Maxar, Microsoft







NOTES

1. ARAP TO BE RECEIVED PRIOR TO CULVERT INSTALLATION.

*HAND SIGNATURE ON FILE

SCALE IN FEET
0 40 80

NOTE TO CONTRACTOR:

1. THE CONTRACTOR SHALL REFER TO ALL PLANS WITHIN THIS PLAN SET. IT IS NOT THE ENGINEER'S/LANDSCAPE ARCHITECT'S INTENT THAT ANY SINGLE PLAN SHEET IN THIS SET OF DOCUMENTS FULLY DEPICT ALL WORK ASSOCIATED WITH THIS PROJECT.
2. SURVEY INFORMATION IS BASED UPON THE TENNESSEE STATE PLANE COORDINATE SYSTEM, ZONE 5301, FIPSZONE 4100, NAD83 DATUM.

Know what's **below.** **Call** before you dig.

REVISION RECORD

NO	DATE	DESCRIPTION

Civil & Environmental Consultants, Inc.
117 Seaboard Lane · Suite E-100 · Franklin, TN 37067
615-333-7797 · 800-763-2326
www.cecinc.com

COF #: 7229

SIMMONS RIDGE, LLC
SOUTH CAROTHERS
ROAD IMPROVEMENTS
CAROTHERS PARKWAY
FRANKLIN, TN

INTERIM EPSC PLAN

DATE:	JANUARY 2021
DWG SCALE:	AS SHOWN
PROJECT NO:	183-891
APPROVED BY:	RGM
DRAWN BY:	PEC
CHECKED BY:	JJC

DRAWING NO.:
C8.1

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