

Khalid Ahmed

From: Water Permits
Sent: Wednesday, October 05, 2016 8:27 AM
To: Khalid Ahmed
Subject: Automatic reply: Water quality permit application, PIN 121394.00

Thank you for your submittal to the Tennessee Department of Environment and Conservation - Water Resources Division.

Your email has been received and will be forwarded to the appropriate Water Resources Division unit for processing. You can retain a copy of this email for your records and as proof of submittal.

Thank you,

Jeanene Woodruff

William R. Snodgrass Tennessee Tower
312 Rosa L. Parks Avenue, 11th Floor
Nashville, Tennessee 37243
Office: 615-532-0645
Email: Jeanene.Woodruff@tn.gov



**STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION**

ENVIRONMENTAL DIVISION
SUITE 900, JAMES K. POLK BUILDING
505 DEADERICK STREET
NASHVILLE, TENNESSEE 37243-1402
(615) 741-3655

JOHN C. SCHROER
COMMISSIONER

BILL HASLAM
GOVERNOR

October 4, 2016

Mr. Jimmy Smith
Natural Resource Section
Tennessee Department of Environment and Conservation
11th Floor William R. Snodgrass Tennessee Tower
312 Rosa L. Parks Avenue
Nashville, Tennessee 37243

Subject: Utility Line Application
TDEC ARAP # 16.227 and 16.227B
TDOT Project # 60019-1208-04
PIN 121394.00
State Route 247
Widen & Resurfacing, Industrial Access Road
Serving Project Shotgun in Spring Hill
Maury County

Dear Mr. Smith:

We previously applied for water quality permits for the roadway construction of the subject project on August 10, 2016 and received TDEC permit File # 16.227 and 16.227B on August 17, 2016. With this letter we are applying for water quality permits due to the utility relocation impacts. TDOT is proposing to relocate the existing water and sewer lines, these utility lines will connect to existing force mains located across stream 1 (STR-1) at Sta. 41+31.00± and Sta. 41+69.10± respectively, along State Route 247 (Beechcroft Road). In accordance with T.C.A. 69-3-108(b), this office is submitting form CN-1091 and supporting documents identifying where permits may be needed. Please refer to the original permit application documents submitted on August 10, 2016 and permit files # 16.227 and 16.227B for additional information needed.

CORPS PERMITS

In accordance with the notification requirements of the U.S. Army Corps of Engineers, we are submitting a separate permit application and requesting permits for the roadway construction and utility line relocation impacts.

Mr. Jimmy Smith

TVA PERMITS

No TVA permit is required for this project.

COAST GUARD PERMIT

No Coast Guard permit is required for this project.

This project is currently scheduled for the November 30, 2016 turn-in. We would greatly appreciate your initial review and request for additional information needed within 30 days of receipt of our application; and issuance of the permits as soon as possible.

If you have any questions or we can be of further assistance please contact me at (615) 253-0021.

Sincerely,



Khalid Ahmed
TDOT Natural Resources Office

Enclosures

MDW: MBB: KMA;pc

ec: Water Permits, TDEC
Mr. Jamie Fitzpatrick, HQ Construction Office
Mr. Joe Deering, Region 3 Project Development
Mr. Mike Brown, Region 3 Construction
Mr. Chuck Graves, Region 3 Construction
Ms. Rita Thompson, Ecology Supervisor
Ms. Jennifer Thompson, Region Ecology Section
Mr. Trent Thomas, TDOT Environmental Supervisor
Mr. John Hewitt, Natural Resources Office
Mr. Anthony Myers, Region 3 Environmental Tech Group
Permit File

**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)

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

OFFICIAL STATE USE ONLY		Site #:	Permit #:
Section 1. Applicant Information (individual responsible for site, signs certification below)			
Applicant Name: *Khalid Ahmed			
Company: Tennessee Department of Transportation		Signatory's Title or Position: Sr. Transportation Project Specialist	
Mailing Address: 505 Deaderick Street Suite 900 J.K. Polk Bldg.		City: Nashville	State: TN Zip: 37243
Phone: (615) 253-0021	Fax: N/A	E-mail: Khalid.Ahmed@tn.gov	
Section 2. Alternate Contact/Consultant Information (a consultant is not required)			
Alternate Contact Name: Melanie Bumpus			
Company: Tennessee Department of Transportation		Title or Position: Transportation Manager 1	
Mailing Address: 6601 Centennial Blvd, Bldg A		City: Nashville	State: TN Zip: 37243
Phone: (615) 360-0434	Fax: N/A	E-mail: Melanie.Bumpus@tn.gov	
Section 3. Fee (check appropriate box and submit requisite fee with application)			
☒ No Fee Submitted ☐ Fee Submitted with Application Amount Submitted: \$ _____			
Current fee schedules for Aquatic Resource Alteration Permit processing may be found at the Division of Water Resources webpage at http://www.tn.gov/environment/permits/arap.shtml or by calling (615) 532-0625. Make checks payable to "Treasurer, State of Tennessee".			
Section 4. Project Details (fill in information and check appropriate boxes)			
Site or Project Name: PIN 121394.00, Proj No. 60019-1208-04		Nearest City, Town or Major Landmark: SpringHill, TN	
Street Address or Location: State Route 247, Widen & Resurfacing, Industrial Access Road Serving Project Shotgun in Spring Hill			
County(ies): Maury	MS4 Jurisdiction: TDOT	Latitude (dd.ddd): 35.7527	
		Longitude (dd.ddd): -86.9663	
Resource Proposed for Alteration: ☒ Stream ☐ Wetland ☐ Reservoir			
Name of Water Resource: UT to Carter's Creek			
Brief Project Description (a more detailed description is required under Section 8): Utility Crossings (Water and Sewer)			
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 ☐ No			
If Yes, provide the permit reference numbers: Pending			
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 permit authorizations that the overall project site (common plan of development) has obtained in the past (i.e. construction general permit coverage and/or other ARAPs): TDEC ARAP # 16.227 and 16.227B			
Section 5. Project Schedule (fill in information and check appropriate boxes)			
Start date: 12-30-2016		Estimated end date: 12-30-2021	
Is any portion of the activity complete now? ☐ Yes ☒ No If yes, describe the extent of the completed portion: N/A			

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

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.

Please refer to the enclosed feature impact and summary tables.

Section 6. Project 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 (<i>can be a photographic copy</i>)	☐	☐
6.3	Photographs of the resource(s) proposed for alteration with location description (<i>photo locations should be noted on map</i>)	☐	☐
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 streams or wetlands.		☐	☐

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 (<i>e.g., stream cross sections where road crossings are proposed</i>)	☐	☐
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.*

My activity, as proposed:

- a. ☐ Will not cause measurable degradation to water quality
- b. ☒ Will only cause de minimis degradation to water quality
- c. ☐ Will cause more than de minimis degradation to water quality (*Complete additional sections 9-11*)
- d. ☐ Unsure/need more information

Please refer to the enclosed feature impact and summary tables.

For information and guidance on the definition of de minimis and degradation, refer to the Antidegradation Statement in Chapter 0400-40-03-.06 of the Tennessee Water Quality Criteria Rule: <https://www.tn.gov/sos/rules/0400/0400-40/0400-40-03.20131216.pdf>. For more information on specifics on what General Permits can cover, refer to the Natural Resources Unit webpage at <http://www.tn.gov/environment/permits/arap.shtml>

If you checked "c." above in Section 9, complete the following 2 sections, 10-11.

Please refer to the enclosed feature impact and summary tables.

Section 10. Detailed Alternative Analysis		Attached	
		Yes	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	☐	☐

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

Section 11. Compensatory Mitigation		Attached	
		Yes	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."

Khalid Ahmed	Sr. Transportation Project Specialist		10/4/2016
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 (e.g., maps, wetland delineations and narrative portions) to water.permits@tn.gov.

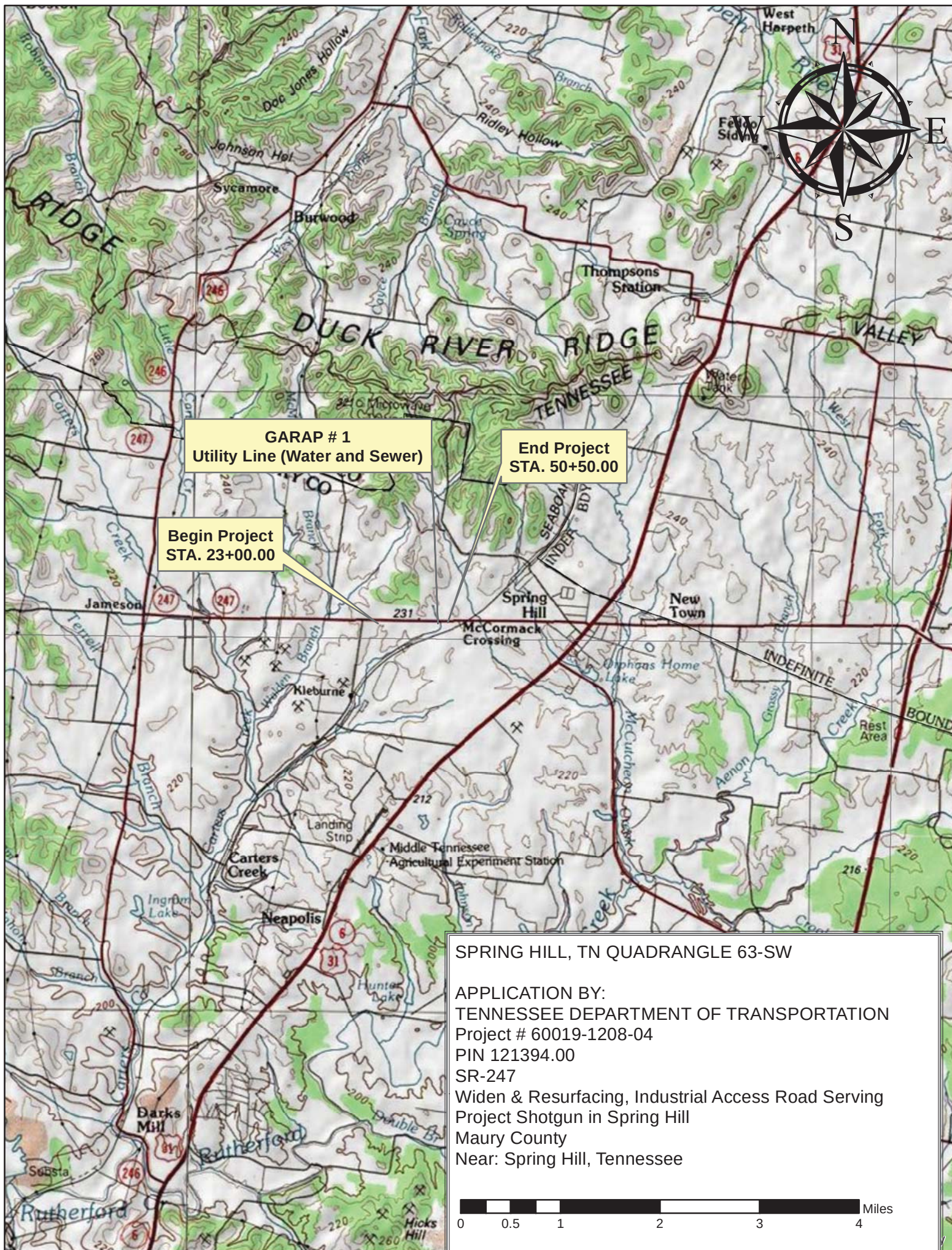
EFO	Street Address	Zip Code	EFO	Street Address	Zip Code
Memphis	8383 Wolf Lake Drive, Bartlett	38133-4119	Cookeville	1221 South Willow Ave.	38506
Jackson	1625 Hollywood Drive	38305-4316	Chattanooga	540 McCallie Avenue STE 550	37402-2013
Nashville	711 R S Gass Boulevard	37243	Knoxville	3711 Middlebrook Pike	37921
Columbia	1421 Hampshire Pike	38401	Johnson City	2305 Silverdale Road	37601



OFFICIAL STATE USE ONLY

Received Date:	Permit Number:	Reviewer:	Field Office:
Fee amount paid:	T & E Aquatic Flora and Fauna:	Impaired Receiving Stream:	Application Review:
Date:			☐ Deficient Date: _____ ☐ Complete Date: _____
Check #:	Exceptional TN Water:		

FEATURE IMPACT TABLE:	
Location Information	STR-1 (UT to Carter's Creek)
Location #	Location #1
Feature Name:	STR-1 (UT to Carter's Creek)
Latitude:	35.7526°
Longitude:	86.9610°
Stationing:	Sta. 41+50.00 ± Rt. (SR-247 Beechcroft Road)
FEMA Floodplain Designation	Zone X
Permits Required	
TDEC:	GENERAL AQUATIC RESOURCE ALTERATION PERMIT
Corps:	Pre-Construction Notification- Nationwide 12: Impacts to wetlands or special aquatic site are proposed; therefore, Pre-Construction Notification is required.
TVA:	Intermittent Stream (No Permit Required)
Narrative description of impact	Utility line relocation
Existing feature characteristics	STR-1: Please refer to the enclosed Environmental Boundaries Report for more information
Proposed feature characteristics	STR-1: Utility crossing: 20 in steel casing pipe to be installed for 10 in Water line crossing 20 in steel casing pipe to be installed for 10 in Sewer line crossing
Impact acreage to waters of the US (acres):	
Alternatives, and Impact minimization	
Stream Mitigation	N/A
Wetland Mitigation	N/A
Water Resources Degradation (select one)	
My activity, as proposed, will not cause measurable degradation to water quality	
My activity, as proposed, will only cause de minimis degradation to water quality	X
My activity, as proposed, will cause more than de minimis degradation to water quality.	



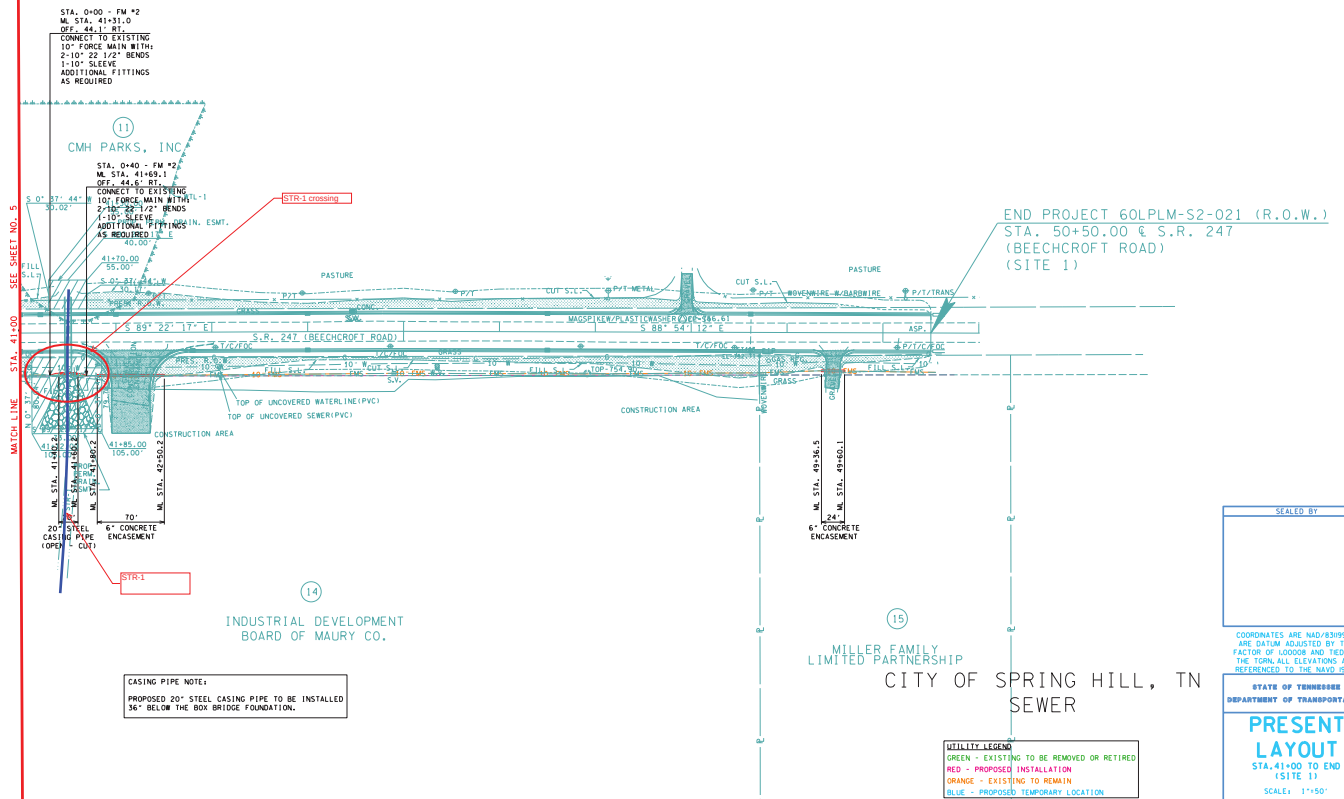
SITE 1

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2015	60LPLM-S2-021	6



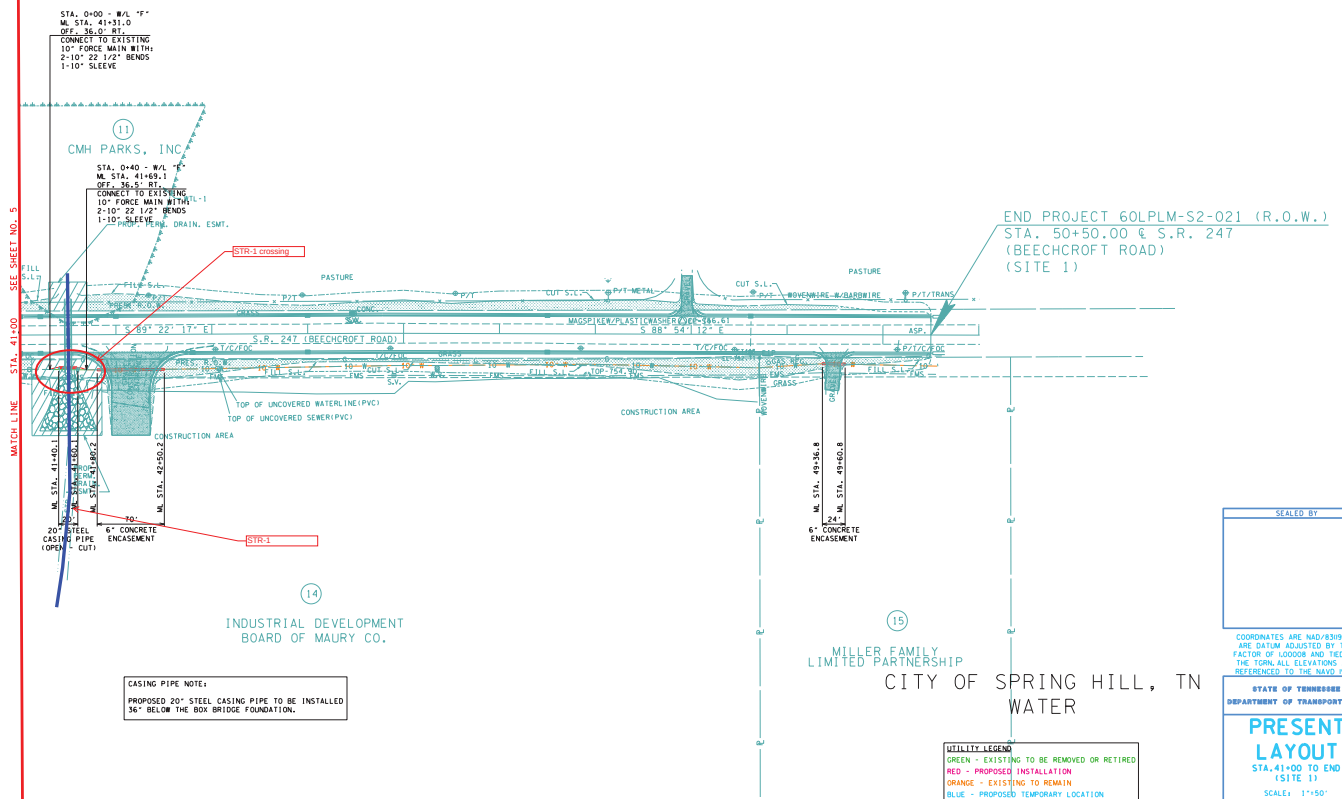
45+00

50+00



SITE 1

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2015	60LPLM-S2-021	6



MAILED BY	
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COORDINATES ARE NAD/83(1995),
ARE DATUM ADJUSTED BY THE
FACTOR OF 1.00008 AND TIED TO
THE TGRN. ALL ELEVATIONS ARE
REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRESNT

LAYOUT

A.41+00 TO END
(SITE 1)

SCALE: 1"=50'