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)

Notice of Intent (NOI) for General NPDES Permit for Stormwater Discharges from Construction Activities (TNR100000)

Site or Project Name: Water Line Extension			***NPDES Tracking Number: TNR***
Street Address or Location: Autumns Way, Gilbert Lane, and Malone Gap Road in Maynardville.			Construction Start Date: March 2021
			Estimated End Date: March 2022
Site Description: Installation of 21,400 linear feet of Water Line extension			Latitude (dd.dddd): 36.320877
			Longitude (-dd.dddd): -83.722738
County(ies): Union	MS4 (if applicable): Union		Acres Disturbed: 4.85
Check box if a SWPPP is attached : ☑	Check box if a site location map is attached: ☑		Total Acres: 4.85
Check the appropriate box(s) if there are streams and/or wetlands on or adjacent to the construction site:			Streams ☑ Wetlands ☐
Has a jurisdictional determination been made by the USACE or EPA identifying waters of the United States?: Yes ☐ No ☑ Note: if yes, attach the jurisdictional determination			
If an Aquatic Resource Alteration Permit (ARAP) has been obtained for this site, what is the permit number? NR(S)			
Receiving waters: Miscellaneous Tributary to Norris Reservoir and Crooked Creek			

Site Owner/Developer (Primary Permittee): (Provide person, company, or entity that has operational or design control over construction plans and specifications): City of Maynardville			
For corporate entities only, provide correct Tennessee Secretary of State (SOS) Control Number: (an incorrect SOS control number may delay NOI processing)			
Site Owner or Developer Contact Name: (signs the certification below) Ty Blakely		Title or Position: Mayor	
Mailing Address: PO Box 217		City: Maynardville	State: TN Zip: 37807
Phone: (865) 922-3821	Fax: (865) 992-6456	E-mail:	

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

Owner/Developer(s) Certification: (must be signed by president, vice-president or equivalent, or ranking elected official) (Primary Permittee)

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.

Owner/Developer Name (print/type): Ty Blakely	Signature:	Date: 2-12-21
Owner/Developer Name (print/type):	Signature:	Date:

Contractor Certification: (must be signed by president, vice-president or equivalent, or ranking elected official) (Secondary Permittee)

I certify under penalty of law that I have reviewed this document, any attachments, and the SWPPP referenced above. Based on my inquiry of the construction site owner/developer identified above and/or my inquiry of the person directly responsible for assembling this NOI and SWPPP, I believe the information submitted is accurate. I am aware that this NOI, if approved, makes the above-described construction activity subject to NPDES permit number TNR100000, and that certain of my activities on-site are thereby regulated. I am aware that there are significant penalties, including the possibility of fine and imprisonment for knowing violations, and for failure to comply with these permit requirements. As specified in Tennessee Code Annotated Section 39-16- 702(a)(4), this declaration is made under penalty of perjury.

Contractor name, address, and SOS control number (if applicable): Pending	Signature:	Date:

OFFICIAL STATE USE ONLY

Received Date:	Reviewer:	Field Office:	Permit Tracking Number: TNR	Exceptional TN Water:
Fee(s):	T & E Aquatic Flora/Fauna:	SOS Corporate Status:	Waters with Unavailable Parameters:	Notice of Coverage Date:

STORM WATER POLLUTION & PREVENTION PLAN (SWPPP)

City of Maynardville

Water Line Extension
Autumns Way, Gilbert Lane, and Malone Gap Road Areas
Union County, Tennessee

February 2021

RGC&A Project# 20009

Engineer: **Robert G. Campbell & Associates**
Contact: Robert J. Colvin, P.E.
7523 Taggart Lane
Knoxville, TN 37938
Phone: (865) 947-5996
bobcolvin@rgc-a.com

Owner: **City of Maynardville**
Contact: Mayor Ty Blakely
PO Box 217
Maynardville, TN 37807
Phone: (865) 992-3821

"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 gather and evaluate 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."

Ty Blakely — Owner/Developer name (print)

Signature

7-12-21 — Date

"I certify under penalty of law that I have reviewed this document, any attachments, and the SWPPP referenced above. Based on my inquiry of the construction site owner/developer identified above and/or my inquiry of the person directly responsible for assembling this NOI and SWPPP, I believe the information submitted is accurate. I am aware that this NOI, if approved, makes the above-described construction activity subject to NPDES permit number TNR100000, and that certain of my activities on-site are thereby regulated. I am aware that there are significant penalties, including the possibility of fine and imprisonment for knowing violations, and for failure to comply with these permit requirements."

Primary Contractor name (print)

Signature

Date

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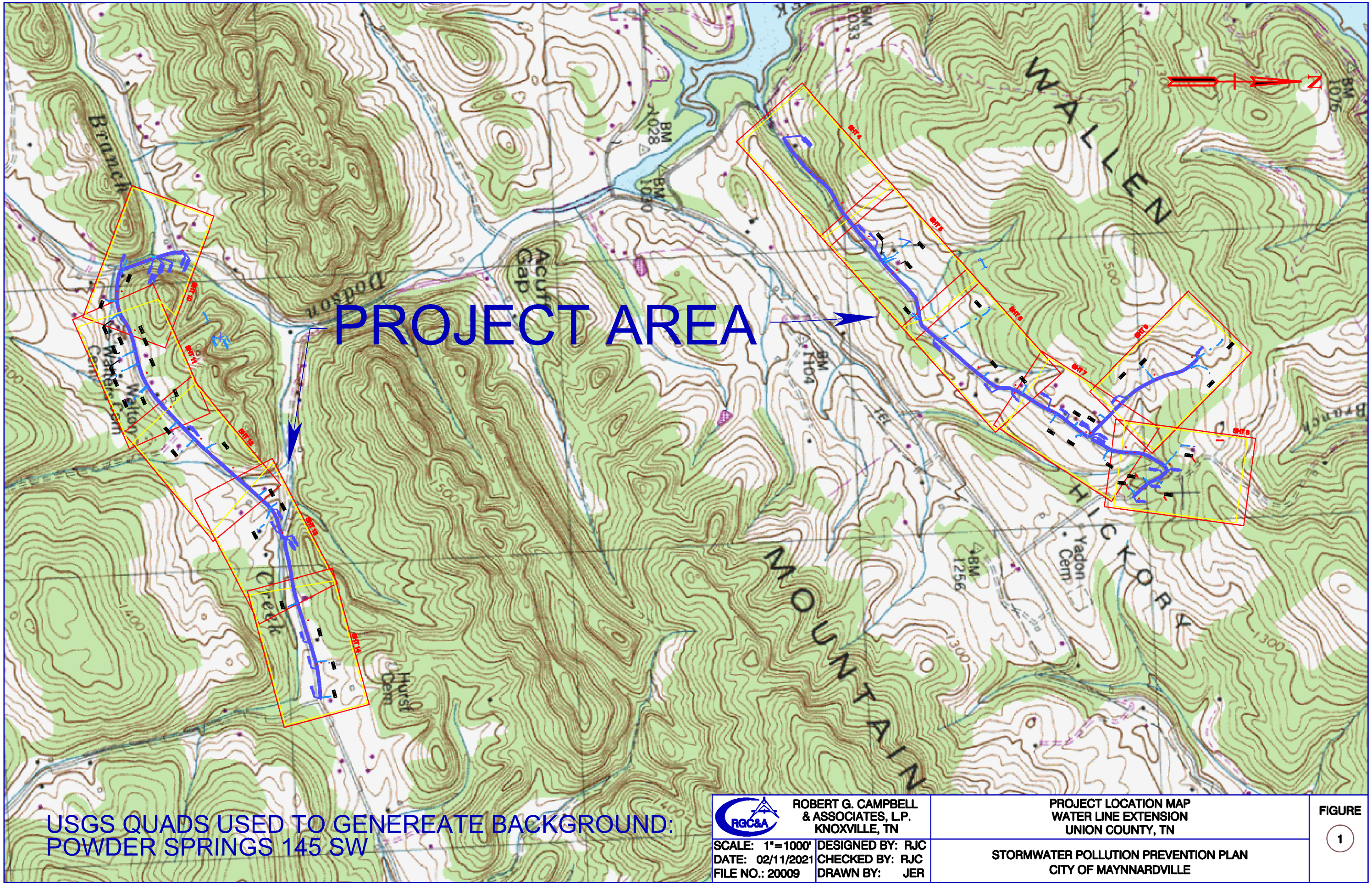
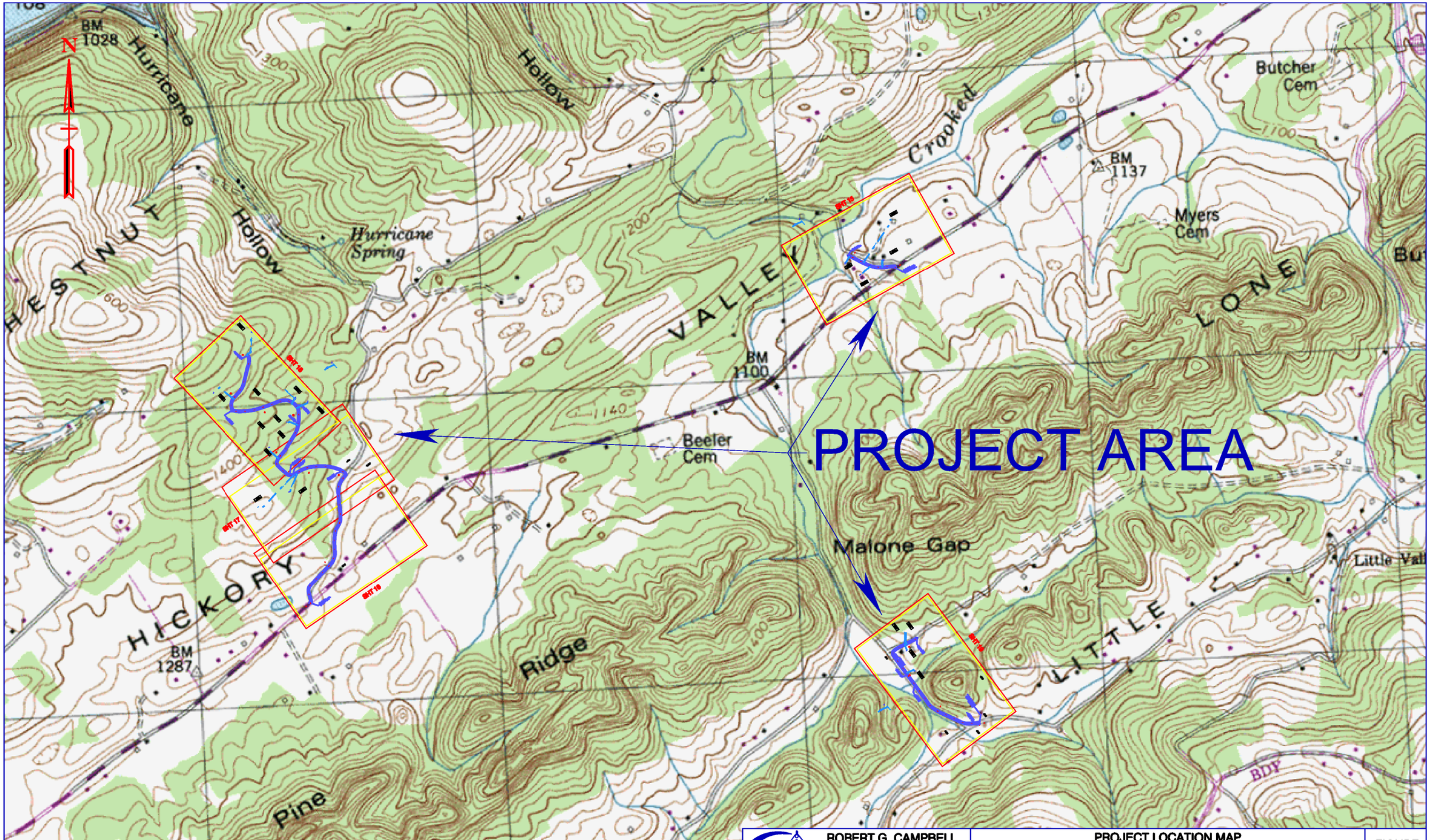
Appendices



USGS QUADS USED TO GENEREATE BACKGROUND:
POWDER SPRINGS 145 SW

ROBERT G. CAMPBELL & ASSOCIATES, L.P. KNOXVILLE, TN		PROJECT LOCATION MAP WATER LINE EXTENSION UNION COUNTY, TN	FIGURE 1
SCALE: 1"=1000' DATE: 02/11/2021 FILE NO.: 20009	DESIGNED BY: RJC CHECKED BY: RJC DRAWN BY: JER	STORMWATER POLLUTION PREVENTION PLAN CITY OF MAYNNARDVILLE	



USGS QUADS USED TO GENEREATE BACKGROUND:
MAYNARDVILLE 145 SE

ROBERT G. CAMPBELL & ASSOCIATES, L.P. KNOXVILLE, TN		PROJECT LOCATION MAP WATER LINE EXTENSION UNION COUNTY, TN	FIGURE 2
SCALE: 1"=1000'	DESIGNED BY: RJC	STORMWATER POLLUTION PREVENTION PLAN CITY OF MAYNNARDVILLE	
DATE: 02/11/2021	CHECKED BY: RJC		
FILE NO.: 20009	DRAWN BY: JER		

Storm Water Pollution Prevention Plan (SWPPP)
City of Maynardville
Water Line Extension
Autumns Way, Gilbert Lane, and Malone Gap Road Areas

General Information

This Storm Water Pollution Prevention Plan (SWPPP) is being developed in accordance with the Tennessee General NPDES Permit for Storm Water Discharges Associated with Construction General Permit (TNCGP). This plan and all attachments are being submitted to the local Environmental Assistance Center (EAC). A completed Notice of Intent for Construction Activity-Storm Water Discharges, along with a check for $1000.00 for the permit fee, is being submitted with this SWPPP. A Notice of Coverage (NOC) from TDEC is requested.

Owner: City of Maynardville
Contact: Ty Blakely
PO Box 217
Maynardville, TN 37807
Phone: (865) 992-3821

Contractor: Pending (once a contractor has been selected, the SWPPP will be updated to reflect the addition of a new operator)

Current versions of this SWPPP, the NOI, NOC, and inspection records shall be kept on the site for the duration of the project. These items shall be available for the use of all operators, and be available to Tennessee Department of Environment and Conservation (TDEC) personnel visiting the site. A notice shall be posted containing a copy of the NOC with the tracking number assigned by the EAC, the name and telephone number of a contact person for the development, and a brief description of the project. If applicable, a copy of the NOC and upon request, the NOT, will be provided to the appropriate MS4.

Any new contractor on the project that has any responsibility to install, inspect, or maintain erosion or sediment control measures shall sign the contractor's certification on a copy of the NOI and shall submit it to the local EAC. Any correspondence with TDEC or any EAC shall reference the tracking number assigned by TDEC to the project. A Notice of Termination (NOT) shall be submitted after the complete installation and successful establishment of the final stabilization activities at the site.

It is the intention and goal of the TNCGP and this SWPPP that any discharge from the property described in this document shall not have objectionable color contrast to the receiving water body. Construction activities shall be carried out with the aim of preventing discharges in which visible solids, bottom deposits, or turbidity impairs the usefulness of the waters on the property, or downstream of the property.

If this plan is revised, the contractor shall implement the changes to erosion protection and sediment controls within 48 hours after the need for the modification is identified.

Project Location & Description

Project Location:

A set of project plans is included with this documentation; the project plans provide a location map. In addition, a general location map on an 11"x17" sheet is included with this documentation.

The location map was generated using the following USGS quadrangle maps:

- Maynardville 145 SE
- Powder Springs 145 SW

Project Description:

Proposed Construction Description:

The proposed project consists of constructing water line extensions in the City of Maynardville along Autumns Way, Gilbert Lane, and Malone Gap Road. It will include 21,140 linear feet of new 6, 4, and 2-inch water line. The system proposed will be operated and maintained by the City of Maynardville.

There will be five separate areas that six (6) water lines will be installed. Water Line A will begin at the intersection of Swan Seymour Road and Circle Drive to the northeast of Maynardville. Water Line A will travel northeast along the north side of Circle Drive towards its intersection with Cool Branch Road where it will then continue south along the west side of Circle Drive before terminating. WL-A will be 6,530 linear feet of 4-inch Class 250 PVC. Water Line B will connect to WL-A at the intersection of Circle Drive and AJ Lane. WL-B will travel northwest along the west side of AJ Lane before terminating. WL-B will be 1,530 linear feet of 2-inch Class 200 PVC. Water Line C will begin at the intersection of Kettle Hollow Road and Walkers Ford Road just south of Water Line A and B area. WL-C will travel south along the east side of Walkers Ford Road for 750 linear feet as 6-inch Class 250 PVC. WL-C will then travel change to 4-inch Class 250 PVC as it runs for 5,650 linear feet along east along the north side of Black Fox Road. It will terminate at its intersection with Dotson Creek Road after 6,400 linear feet. Water Line D will begin at the intersection of Hickory Valley Road (SR 170) and Lambdin Road (Chestnut Ridge Road on Google Maps) to the north of Maynardville. WL-D will run north along the west side of Lambdin Road for 560 linear feet as 2-inch Class 200 PVC before terminating. Water Line E will begin at the intersection of Hickory Valley Road (SR 170) and Hurricane Hollow Road. It will travel north along the west side of Hurricane Hollow Road and then west along the south side of Autumns Way. WL-E will continue along Autumns Way until it terminates at the end of the cul-de-sac at its terminus. WL-E will be 4,500 linear feet and be 2-inch Class 200 PVC. Water Line F will begin at the intersection of Little Valley Road and Malone Gap Road. WL-F will travel north along the east side of Malone Gap Road and then east along the south side of Gilbert Lane. WL-F will then terminate after 320 linear feet on Gilbert Lane. WL-F will be 1,620 linear feet and be 4-inch Class 250 PVC.

The post construction runoff coefficient will remain the same as the existing site's runoff coefficient in that the surface conditions will not be significantly altered. No additional impervious area is planned for the proposed project. Considering that this is a linear project with small contributing drainage areas to localized outfalls, runoff management with regards to quantity is not applicable to this project.

As discussed in a subsequent section, the general timing of the construction process is as follows:

- Establish staging area in consideration of the design project.
- Install silt fence, or other appropriate erosion and sediment control measure where topography allows for effectiveness.
- Begin trenching by clearing the necessary ground material and over burden. The material will be placed temporarily beside the trench. Therefore, there are no stockpile areas and this has been accounted for in the calculation of the total amount of disturbed area. As indicated in the "estimate of disturbed area" the width of the disturbed area will be approximately 10 feet. The construction limits are bound by the area surrounding the project alignment, shown on the attached plans.
- Water line and appurtenances to be installed and tested. Typically, the water line will be installed in no more than 500 linear feet sections during the course of a day, correlating to the amount of disturbed area at one time.
- Over burden will be placed back in the trench with topsoil placed on ground surface.
- Seed and straw will be distributed over the disturbed area after final grading, which will include the vegetative control measures indicated in the Appendix.

Due to the nature of this project, i.e. linear, the disturbed area per "outfall" area is negligible regarding structural practices. In addition, the narrow construction limits prevent the installation of such structures, with the exception of silt fence, and therefore, design calculations are not included with this SWPPP.

Construction material expected to be stored on-site is, at most, 1,000 linear feet of pipe. Other appurtenances will be brought to the job site and either installed or taken back to the Contractor's storage yard (off-site) at the end of the work day to prevent theft. Diesel fueling of machinery will take place at the Contractor's yard prior to the work day.

The stormwater prevention and sediment control measures in this report have been designed for the 5-year, 24-hour storm event.

Estimate of Total Disturbed Area:

Construction for the installation of the proposed water line will be done using traditional open trenching methods, so the expected area of disturbance is based on a trench 21,140 feet long and 10 feet wide (to allow for surface disturbance by machinery), will account for 211,400 square feet of disturbance, or 4.85 acres. As described in a subsequent

section the entire 4.85 acres will not be disturbed at one time, rather, the construction activities will be staged.

The proposed project area consists of an existing road that relies on typical parallel ditch and culvert systems for stormwater drainage. Much of the travel of the water lines are within level areas off main roads.

Existing Site Conditions:

The anticipated receiving waters for stormwater runoff from the project area are:

- Miscellaneous Tributary of Norris Reservoir
- Crooked Creek

The Miscellaneous Tributary of Norris Reservoir and Crooked Creek have not been assessed according to TDEC's Division of Water Resources. Crooked Creek is also a tributary of Norris Reservoir. Norris Reservoir is listed as "not supporting". It is polluted due to atmospheric deposition causing high levels of mercury.

As shown on the attached figures with USGS maps as a background, the areas indicated as the project locations show that the topography of the project site is typical of the Tennessee Valley.

According to the USDA's Web Soil Survey, the soils present in the site are typical of East Tennessee including the majority of soils in the B and C soils types. These soils have slow infiltration rates and lead to higher runoff amounts. The soils reports are located in the Appendix of this report.

Surface Water Conveyance Crossings:

As shown on the attached USGS quad map, there are four 'blue-line' creek crossings. See the table below for stream crossing locations. At these locations, the streams will be crossed by a new water line.

Crossing #	Stream Name	Nearest Road	Water Line	Sheet No.
1	Misc Tributary of Norris Reservoir	Circle Drive	Water Line A	5
2	Misc Tributary of Norris Reservoir	Walker Ford Road	Water Line C	10
3	Misc Tributary of Norris Reservoir	Black Fox Road	Water Line C	13
4	Crooked Creek	Malone Gap Road	Water Line F	19

Crossing 1 will be at Station 16+60.00 of SL-A and will be a 60 linear feet directional bore underneath an existing 36-inch CMP housing a small tributary. Crossing 2 will take place at Station 3+30.00 of WL-C where the water line will be attached to the side of the bridge that runs overtop a tributary along Walkers Ford Road. Crossing 3 will be at Station 44+43.46 where WL-C will be installed overtop an existing 36-inch CMP that houses a small tributary. Crossing 4 will take place at Station 8+81.00 of WL-F where 20 linear feet bore will travel underneath an existing 42-inch CMP. No stream will be affected or altered due to these water line crossings.

General Requirements

The construction-phase erosion prevention controls will be implemented to minimize the dislodging and suspension of soil in water and retain mobilized sediment on site. The construction sequence will be followed to minimize the exposure time of graded or denuded areas. Clearing and grubbing will be held to the minimum necessary. Pre-construction vegetative ground cover shall not be destroyed, removed or disturbed more than 10 days prior to grading or earth moving unless the area is seeded and/or mulched or other temporary cover is installed.

Erosion and sediment control structures will be installed and functional before any earthmoving activity begins. All control measures will be properly installed and maintained in accordance with the manufacturer's specifications and good engineering practices. Measures will be implemented to slow runoff so that rill and gully formation is prevented.

Permanent seeding is outlined in the construction sequence and will be followed as a minimum. Disturbed areas will be seeded for permanent cover as soon as grading is completed and weather conditions are suitable. Final stabilization requires a minimum of 70% coverage. Temporary seeding will also be used when necessary. Stabilization will be accomplished as soon as practicable after attainment of final grade. Where earth-disturbing activity has temporarily ceased, temporary stabilization will be applied if the activity will not resume within 15 days. Steep slopes will require stabilization within 7 days. Stabilization methods may also include erosion control blankets.

Sediment will be removed from silt fence before the design capacity of the structure has been reduced by 50%. Litter, construction debris, and construction chemicals exposed to storm water will be picked up prior to anticipated storm events, or otherwise prevented from becoming a pollutant source for storm water discharges. After use, silt fences will be removed to prevent them from becoming a pollutant source for storm water discharges. Temporary measures may be removed at the beginning of the workday, but will be replaced at the end of the workday.

All erosion prevention and sediment control best management practices identified in this SWPPP will be installed as recommended in the Tennessee Erosion and Sediment Control Handbook.

The contractor will be responsible for day-to-day operational control and will have a qualified person to conduct inspections. Persons conducting inspections will have successfully completed the "Fundamentals of Erosion Prevention and Sediment Control" course offered by TDEC and certification shall be current throughout the life of the project.

If sediment escapes the construction site, off-site accumulations of sediment that have not reached a stream will be removed as soon as possible to minimize offsite impacts. The Division will be consulted prior to remediation or restoration activities of a stream. Arrangements concerning removal of sediment on adjoining property will be settled by the permittee with the adjoining landowner.

Litter, construction debris, and construction chemicals exposed to storm water will be picked up prior to anticipated storm events or before being carried off of the site by wind, or before otherwise becoming a pollutant source. After use, materials used for erosion prevention and sediment control will be removed.

Sequence of Operations

1) One or more staging areas will be selected.

2) It is the intent of this Stormwater Pollution Prevention Plan that no sediment leaves the construction site. Work will be performed in such a manner that, as much as possible, trenches, borings and excavations will be opened in the morning; pipe and appurtenances installed throughout the day, and trenches, borings and excavations shall be filled before work is suspended for the day. All disturbed areas shall be covered with straw before work is suspended for the day, with no disturbed areas left uncovered. Seeding of completed areas shall occur within 7 days of completion of construction activities.

3) Silt fence shall be installed in areas along the project as required by topography or proximity to nearby watercourses. Details for installation and maintenance of silt fence are included in the Appendix. Silt fence need not be installed on the entire project at once, but silt fence installation shall proceed in advance of any soil disturbing activity. Silt fence shall not be required at all locations along the project route, but shall be placed on the downhill side of construction activity where existing slopes indicate the possibility of sediment being carried into any adjacent water conveyances during a rainfall event.

4) At areas where construction activity is near streams, silt fence shall be placed between construction activity and the stream such that project run-off is intercepted

before it enters the stream channel. In no case shall construction equipment be permitted to operate in the stream channel.

5) Smaller conveyances with no flow at the time of construction will be trenched without diverting.

6) Topsoil will be removed and temporarily stockpiled for later redistribution. Topsoil piles shall be temporarily stabilized and seeded.

7) Construction activity for this water line shall be limited to excavating and backfilling as work progresses. To minimize the area of active disturbance at any given time, any initial clearing, excavating, or backfilling will be conducted in sections 500 feet or less in length. Silt fence shall be installed on downstream side of activity as directed by the construction representative.

8) Care shall be exercised to protect all open utility pipe ends or open ends of trenches so that neither the pipe nor the trench becomes a conduit for silt movement. Temporarily open pipe ends shall be capped and any trenches that open onto existing grade and may allow water to drain from the trench to natural ground shall be protected by silt fence.

9) Sediment shall be removed from silt fence before the design capacity of the structure has been reduced by 50%. Litter, construction debris, and construction chemicals exposed to stormwater shall be picked up prior to anticipated storm events, or otherwise prevented from becoming a pollutant source for stormwater discharges. After use, silt fences shall be removed to prevent them from becoming a pollutant source for stormwater discharges. Temporary measures may be removed at the beginning of the workday but shall be replaced at the end of the workday.

10) Stabilization shall be accomplished as soon as practicable after trench or excavation backfilling and no later than seven days after attaining final grade. Where trenching and backfilling have ceased (temporarily or permanently), temporary stabilization shall be applied within seven days if the activity will not resume within 15 days.

11) The dates when major grading activities occur, the dates when construction activities temporarily or permanently cease on a portion of the site, and the dates when stabilization measures are initiated shall be recorded and maintained on the site. Stabilization methods may include seed and mulch, or seed and erosion control blankets.

12) Storm drain inlet protection will be utilized when necessary. Use of storm drain inlet protection shall not interfere with roadway traffic. The contractor is responsible for ensuring the safety of the public when implementing and utilizing storm drain inlet protection.

13) Permittees shall maintain a rain gauge and daily rainfall records at the site, or use a reference site for a record of daily amount of precipitation.

14) Muddy water to be pumped from excavation and work areas must be held in settling basins or filtered or chemically treated prior to its discharge into surface waters. Water must be discharged through a pipe, well-grassed or lined channel or other equivalent means so that the discharge does not cause erosion and sedimentation. Discharges from dewatering activities including discharges from dewatering of trenches and excavations, are prohibited unless managed by appropriate controls. Appropriate controls included, but are not limited to: weir tank, dewatering tank, gravity bag filter, sand media particulate filter, pressurized bag filter, cartridge filter or other control units providing the level of treatment necessary to comply with permit requirements. Discharged water must not cause an objectionable color contrast with the receiving stream.

15) Buffer zone requirements: to the extent practical, a minimum 15-foot/average 30-foot, natural riparian buffer zone adjacent to streams at the project sites shall be preserved, per the Tennessee Erosion and Sediment Control Handbook.

All erosion prevention and sediment control best management practices identified in this SWPPP shall be installed as recommended in the Tennessee Erosion and Sediment Control Handbook.

City of Maynardville shall be responsible for implementation of the erosion and sediment control plan, and for inspections and maintenance. Robert G. Campbell & Associates will assist and advise the City of Maynardville.

If sediment escapes the construction site, off-site accumulations of sediment that have not reached a stream must be removed at a frequency sufficient to minimize offsite impacts (e.g., fugitive sediment that has escaped the construction site and has collected in a street must be removed so that it is not subsequently washed into storm sewers and streams by the next rain and/or so that it does not pose a safety hazard to users of public streets). Permittee shall not initiate remediation/restoration of a stream without consulting the division first. This permit does not authorize access to private property. Arrangements concerning removal of sediment on adjoining property must be settled by the permittee with the adjoining landowner.

Inspection Frequency Requirements

In accordance with the TNCPG, inspections will be performed by qualified personnel at least twice each calendar week. Inspections will be at least 72 hours apart. Inspections will include disturbed areas of the construction site, areas used for storage of materials exposed to precipitation, structural control measures, locations where vehicles enter and exit the site, and each outfall point. Based on inspection results, modifications or repairs to existing control measures will be made before the next rain event if possible, but within 7 days after the need is identified.

Inspections will be documented and include the scope of the inspection, names and title or qualifications of personnel making the inspection, the dates of the inspection, major observations relating to the implementation of the storm water pollution prevention plan. The following records will be maintained on or near the site: the dates when major grading activities occur; the dates when construction activities temporarily or permanently cease on a portion of the site; the dates when stabilization measures are initiated; inspection records and rainfall records.

Quality Assurance Site Assessment of the erosion prevention and sediment controls shall be done within 30 days of construction commencing. The site assessment can take the place of one of the twice weekly inspections and shall be performed to verify the installation, functionality and performance of the EPSC measures. If controls are installed and maintained correctly but are found to be inadequate, modifications will be made to the plans and specifications and the revised measures implemented by the contractor.

The inspector will certify that the inspections described above have been performed and whether or not all of the erosion and sediment control measures are installed and in working order. The inspector will maintain a rain gage and a daily log of readings. Site assessment findings shall be documented and kept with the SWPPP at the site and must contain the printed name and signature of the individual performing the site assessment and the following required certification.

"I certify under penalty of law that this report and all attachments are, 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."

Spills and Non-Storm Water Contingencies

One or more staging areas shall be established at a location convenient to construction purposes and approved by the City of Maynardville or its representative. Staging areas shall not be located in any wetlands or stream floodplain. Staging areas shall be surrounded by silt fencing installed according to details included in this plan or the design plans.

Fueling of equipment and vehicles shall be conducted at the staging area. Any spillage shall be removed immediately. Contaminated soils shall be placed on heavy plastic and covered or otherwise contained to prevent contact with storm water. All fuel tanks shall be in the containment area. Oils, other vehicle fluids, paints, and solvents shall be stored in a construction trailer.

If a release containing a hazardous substance in an amount equal to or in excess of a reporting quantity established under either 40 CFR117 or 40 CFR 302 occurs during a 24-hour period, the contractor shall immediately notify the permittee who shall then do the following:

1. Notify the National Response Center (NRC) (800-424-8802)
2. Notify the Tennessee Emergency Management Agency (TEMA) (emergencies: 800-262-3300; non-emergencies: 800-262-3400)
3. Notify the local Environmental Assistance Center (EAC)
4. Robert G. Campbell & Associates will prepare a revision of this document to identify measures to prevent the reoccurrence of such releases.

Each contractor is responsible to provide litter control for trash generated by his crew. A dumpster for garbage shall be located near the construction trailer and is limited to garbage and paper trash only. Paint cans, oil cans, used oil, and filters shall be contained and disposed of by the contractor by taking them to an approved landfill.

Trash piles, fuel canisters, and other debris shall be removed and disposed of by taking them to an approved landfill. Contaminated soils shall be placed on heavy plastic and covered or otherwise contained to prevent contact with storm water.

References

Tennessee Erosion and Sediment Control Handbook

APPENDIX

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)

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Has a jurisdictional determination been made by the USACE or EPA identifying waters of the United States?: Yes ☐ No ☑ Note: if yes, attach the jurisdictional determination			
If an Aquatic Resource Alteration Permit (ARAP) has been obtained for this site, what is the permit number? NR(S)			
Receiving waters: Miscellaneous Tributary to Norris Reservoir and Crooked Creek			

Site Owner/Developer (Primary Permittee): (Provide person, company, or entity that has operational or design control over construction plans and specifications): City of Maynardville			
For corporate entities only, provide correct Tennessee Secretary of State (SOS) Control Number: (an incorrect SOS control number may delay NOI processing)			
Site Owner or Developer Contact Name: (signs the certification below) Ty Blakely		Title or Position: Mayor	
Mailing Address: PO Box 217		City: Maynardville	State: TN Zip: 37807
Phone: (865) 922-3821	Fax: (865) 992-6456	E-mail:	

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

Owner/Developer(s) Certification: (must be signed by president, vice-president or equivalent, or ranking elected official) (Primary Permittee)

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.

Owner/Developer Name (print/type): Ty Blakely	Signature:	Date: 2-12-21
Owner/Developer Name (print/type):	Signature:	Date:

Contractor Certification: (must be signed by president, vice-president or equivalent, or ranking elected official) (Secondary Permittee)

I certify under penalty of law that I have reviewed this document, any attachments, and the SWPPP referenced above. Based on my inquiry of the construction site owner/developer identified above and/or my inquiry of the person directly responsible for assembling this NOI and SWPPP, I believe the information submitted is accurate. I am aware that this NOI, if approved, makes the above-described construction activity subject to NPDES permit number TNR100000, and that certain of my activities on-site are thereby regulated. I am aware that there are significant penalties, including the possibility of fine and imprisonment for knowing violations, and for failure to comply with these permit requirements. As specified in Tennessee Code Annotated Section 39-16- 702(a)(4), this declaration is made under penalty of perjury.

Contractor name, address, and SOS control number (if applicable): Pending	Signature:	Date:

OFFICIAL STATE USE ONLY

Received Date:	Reviewer:	Field Office:	Permit Tracking Number: TNR	Exceptional TN Water:
Fee(s):	T & E Aquatic Flora/Fauna:	SOS Corporate Status:	Waters with Unavailable Parameters:	Notice of Coverage Date:

TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION (TDEC)
Division of Water Pollution Control (WPC)
6th Floor Annex, L&C Tower, 401 Church Street, Nashville, Tennessee 37243
1-888-891-8332 (TDEC)
General NPDES Permit for Stormwater Discharges from Construction Activities (CGP)

Construction Stormwater Inspection Certification (Twice-Weekly Inspections)

Site or Project Name:			**NPDES Tracking Number: TNR**	
Primary Permittee Name:			Date of Inspection:	
Current approximate disturbed acreage:		Has rainfall been checked/documented daily? ☐Yes ☐ No	Name of Inspector:	
Current weather conditions:			Inspector's TNEPSC Certification Number:	

Please check the box if the following items are on-site:

☐ Notice of Coverage (NOC) ☐ Stormwater Pollution Prevention Plan (SWPPP) ☐ Twice-weekly inspection documentation

☐ Site contact information ☐ Rain Gage ☐ Off-site Reference Rain Gage Location: _____

Best Management Practices (BMPs):

Are the Erosion Prevention and Sediment Controls (EPSCs) functioning correctly: If "No", describe below in Comment Section			
1.	Are all applicable EPSCs installed and maintained per the SWPPP?	☐Yes	☐No
2.	Are EPSCs functioning correctly at all disturbed areas/material storage areas per section 4.1.5?	☐Yes	☐No
3.	Are EPSCs functioning correctly at outfall/discharge points such that there is no objectionable color contrast in the receiving stream, and no other water quality impacts per section 5.3.2?	☐Yes	☐No
4.	Are EPSCs functioning correctly at ingress/egress points such that there is no evidence of track out?	☐Yes	☐No
5.	If applicable, have discharges from dewatering activities been managed by appropriate controls per section 4.1.4? If "No", describe below the measures to be implemented to address deficiencies.	☐Yes	☐No
6.	If construction activity at any location on-site has temporarily/permanently ceased, was the area stabilized within 14 days per section 3.5.3.2? If "No", describe below each location and measures taken to stabilize the area(s).	☐Yes	☐No
7.	Have pollution prevention measures been installed, implemented, and maintained to minimize the discharge of pollutants from equipment and vehicle washing, wheel wash water, and other wash waters per section 4.1.5? If "No", describe below the measures to be implemented to address deficiencies.	☐Yes	☐No
8.	If a concrete washout facility is located on site, is it clearly identified on the project and maintained? If "No", describe below the measures to be implemented to address deficiencies. ☐ N/A	☐Yes	☐No
9.	Have all previous deficiencies been addressed? If not, describe the remaining deficiencies in the Comments section. ☐ Check if deficiencies/corrective measures have been reported on a previous form.	☐Yes	☐No

Comment Section. If the answer is "No" for any of the above, please describe the problem and corrective actions to be taken. Otherwise, describe any pertinent observations:

Certification and Signature (must be signed by the certified inspector and the permittee per Sections 3.5.8.2 (g) and 7.7.2 of the CGP)

I certify under penalty of law that this report and all attachments are, 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.

Inspector Name and Title:	Signature:	Date:
Permittee Name and Title:	Signature:	Date:

Construction Stormwater Inspection Certification Form (Twice-Weekly Inspections)

Purpose of this form/ Instructions

An inspection, as described in section 3.5.8.2. of the General Permit for Stormwater Discharges from Construction Activities ("Permit"), shall be performed at least twice every calendar week and documented on this form. Inspections shall be performed at least 72 hours apart. Where sites or portion(s) of construction sites have been temporarily stabilized, or runoff is unlikely due to winter conditions (e.g., site covered with snow or ice), such inspection only has to be conducted once per month until thawing results in runoff or construction activity resumes.

Inspectors performing the required twice weekly inspections must have an active certification by completing the "Fundamentals of Erosion Prevention and Sediment Control Level I" course. (http://www.tnepsc.org/). A copy of the certification or training record for inspector certification should be kept on site.

Qualified personnel, as defined in section 3.5.8.1 of the Permit (provided by the permittee or cooperatively by multiple permittees) shall inspect disturbed areas of the construction site that have not been finally stabilized, areas used for storage of materials that are exposed to precipitation, structural control measures, locations where vehicles enter or exit the site, and each outfall.

Disturbed areas and areas used for storage of materials that are exposed to precipitation shall be inspected for evidence of, or the potential for, pollutants entering the site's drainage system. Erosion prevention and sediment control measures shall be observed to ensure that they are operating correctly.

Outfall points (where discharges leave the site and/or enter waters of the state) shall be inspected to determine whether erosion prevention and sediment control measures are effective in preventing significant impacts to receiving waters. Where discharge locations are inaccessible, nearby downstream locations shall be inspected. Locations where vehicles enter or exit the site shall be inspected for evidence of offsite sediment tracking.

Based on the results of the inspection, any inadequate control measures or control measures in disrepair shall be replaced or modified, or repaired as necessary, before the next rain event if possible, but in no case more than 7 days after the need is identified.

Based on the results of the inspection, the site description identified in the SWPPP in accordance with section 3.5.1 of the Permit and pollution prevention measures identified in the SWPPP in accordance with section 3.5.2 of the Permit, shall be revised as appropriate, but in no case later than 7 days following the inspection. Such modifications shall provide for timely implementation of any changes to the SWPPP, but in no case later than 14 days following the inspection.

All inspections shall be documented on this Construction Stormwater Inspection Certification form. Alternative inspection forms may be used as long as the form contents and the inspection certification language are, at a minimum, equivalent to the division's form and the permittee has obtained a written approval from the division to use the alternative form. Inspection documentation will be maintained on site and made available to the division upon request. Inspection reports must be submitted to the division within 10 days of the request.

Trained certified inspectors shall complete inspection documentation to the best of their ability. Falsifying inspection records or other documentation or failure to complete inspection documentation shall result in a violation of this permit and any other applicable acts or rules.

TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION (TDEC)
Division of Water Resources
William R. Snodgrass Tennessee Tower, 312 Rosa L. Parks Avenue, 11th Floor, Nashville, Tennessee 37243
1-888-891-TDEC (8332)

Notice of Termination (NOT) for General NPDES Permit for Stormwater Discharges from Construction Activities (CGP)

This form is required to be submitted when requesting termination of coverage from the CGP. The purpose of this form is to notify the TDEC that either all stormwater discharges associated with construction activity from the portion of the identified facility where you, as an operator, have ceased or have been eliminated; or you are no longer an operator at the construction site. Submission of this form shall in no way relieve the permittee of permit obligations required prior to submission of this form. Please submit this form to the local DWR Environmental Field Office (EFO) address (see table below). For more information, contact your local EFO at the toll-free number 1-888-891-8332 (TDEC).

Type or print clearly, using ink.

Site or Project Name:	**NPDES Tracking Number: TNR**
Street Address or Location:	County(ies):

Name of Permittee Requesting Termination of Coverage:			
Permittee Contact Name:	Title or Position:		
Mailing Address:	City:	State:	Zip:
Phone:	E-mail:		

Check the reason(s) for termination of permit coverage:

☐	Stormwater discharge associated with construction activity is no longer occurring and the permitted area has a uniform 70% permanent vegetative cover OR has equivalent measures such as rip rap or geotextiles, in areas not covered with impervious surfaces.
☐	You are no longer the operator at the construction site (i.e., termination of site-wide, primary or secondary permittee coverage).

Certification and Signature: (must be signed by president, vice-president or equivalent ranking elected official)

I certify under penalty of law that either: (a) all stormwater discharges associated with construction activity from the portion of the identified facility where I was an operator have ceased or have been eliminated or (b) I am no longer an operator at the construction site. I understand that by submitting this notice of termination, I am no longer authorized to discharge stormwater associated with construction activity under this general permit, and that discharging pollutants in stormwater associated with construction activity to waters of the United States is unlawful under the Clean Water Act where the discharge is not authorized by a NPDES permit. I also understand that the submittal of this notice of termination does not release an operator from liability for any violations of this permit or the Clean Water Act.

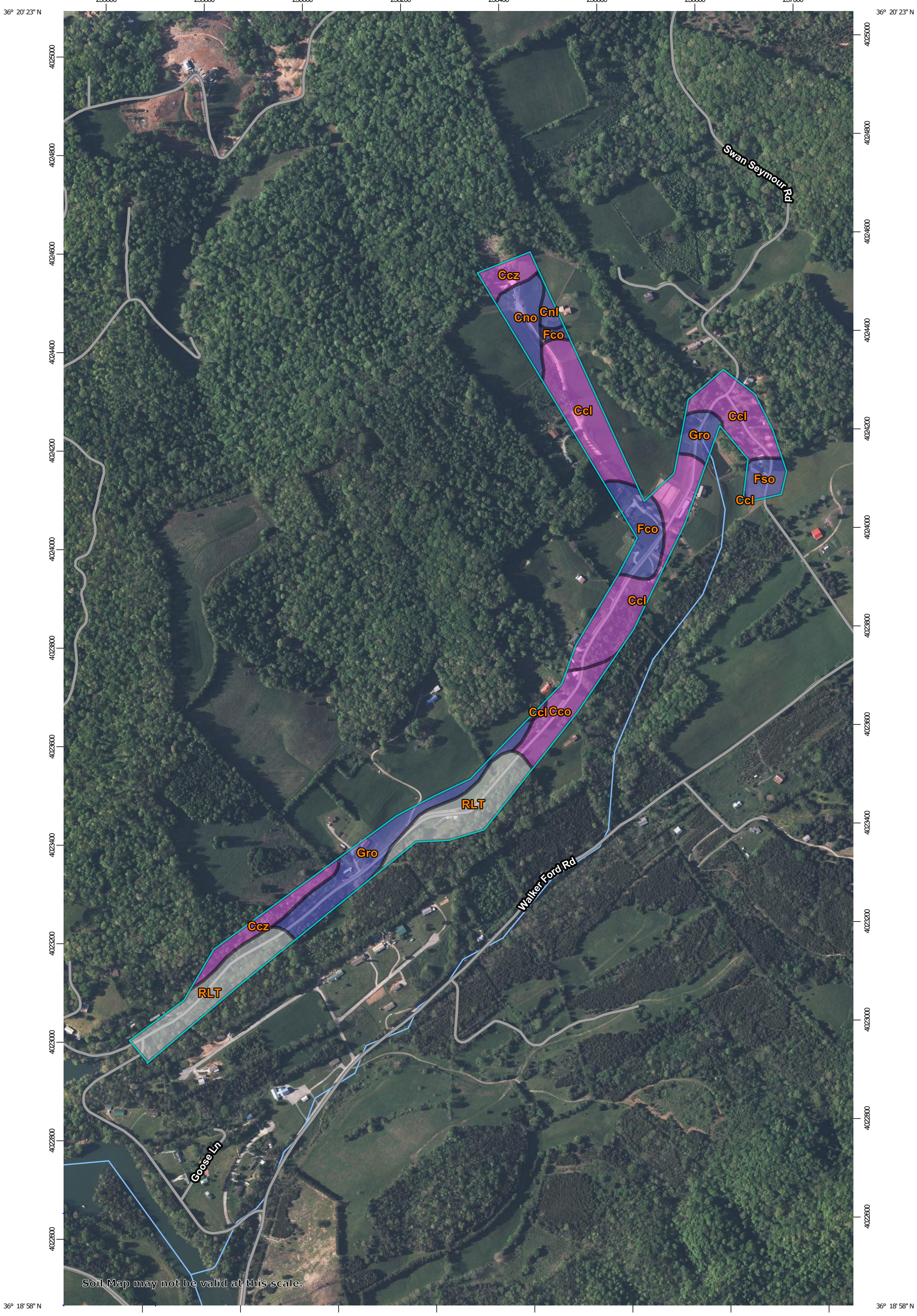
For the purposes of this certification, elimination of stormwater discharges associated with construction activity means that all stormwater discharges associated with construction activities from the identified site that are authorized by a NPDES general permit have been eliminated from the portion of the construction site where the operator had control. Specifically, this means that all disturbed soils at the portion of the construction site where the operator had control have been finally stabilized, the temporary erosion and sediment control measures have been removed, and/or subsequent operators have obtained permit coverage for the site or portions of the site where the operator had control.

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.

Permittee name (print or type):	Signature:	Date:

EFO	**Street Address**	**Zip Code**	**EFO**	**Street Address**	**Zip Code**
Memphis	8383 Wolf Lake Drive, Bartlett, TN	38133	Cookeville	1221 South Willow Ave.	38506
Jackson	1625 Hollywood Drive	38305	Chattanooga	1301 Riverfront Parkway, 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

Hydrologic Soil Group—Union County, Tennessee



Map Scale: 1:7,360 if printed on B portrait (11" x 17") sheet.

N

Meters: 0 100 200 400 600

Feet: 0 350 700 1400 2100

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 17N WGS84

MAP LEGEND

Area of Interest (AOI)

- Area of Interest (AOI)

Soils

Soil Rating Polygons

- A
- A/D
- B
- B/D
- C
- C/D
- D
- Not rated or not available

Soil Rating Lines

- A
- A/D
- B
- B/D
- C
- C/D
- D
- Not rated or not available

Soil Rating Points

- A
- A/D
- B
- B/D
- C
- C/D
- D
- Not rated or not available

Water Features

- Streams and Canals

Transportation

- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background

- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Union County, Tennessee
Survey Area Data: Version 14, Jun 1, 2020

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: May 2, 2020—May 3, 2020

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Hydrologic Soil Group

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
Ccl	Clarksville cherty silt loam, hilly phase	A	16.9	33.2%
Cco	Clarksville cherty silt loam, rolling phase	A	3.4	6.7%
Ccz	Clarksville cherty silt loam, steep phase	A	3.9	7.7%
Cnl	Claiborne silt loam, hilly phase	B	0.6	1.2%
Cno	Claiborne silt loam, rolling phase	B	2.7	5.3%
Fco	Fullerton gravelly silt loam, 5 to 12 percent slopes, cool	B	3.7	7.2%
Fso	Fullerton silt loam (cr-sil), 5 to 12 percent slopes, cool	B	1.5	3.0%
Gro	Greendale (etowah) silt loam, rolling phase	B	7.6	14.8%
RLT	Rough stony land, talbott soil material		10.7	20.9%
Totals for Area of Interest			**51.1**	**100.0%**

Description

Hydrologic soil groups are based on estimates of runoff potential. Soils are assigned to one of four groups according to the rate of water infiltration when the soils are not protected by vegetation, are thoroughly wet, and receive precipitation from long-duration storms.

The soils in the United States are assigned to four groups (A, B, C, and D) and three dual classes (A/D, B/D, and C/D). The groups are defined as follows:

Group A. Soils having a high infiltration rate (low runoff potential) when thoroughly wet. These consist mainly of deep, well drained to excessively drained sands or gravelly sands. These soils have a high rate of water transmission.

Group B. Soils having a moderate infiltration rate when thoroughly wet. These consist chiefly of moderately deep or deep, moderately well drained or well drained soils that have moderately fine texture to moderately coarse texture. These soils have a moderate rate of water transmission.

Group C. Soils having a slow infiltration rate when thoroughly wet. These consist chiefly of soils having a layer that impedes the downward movement of water or soils of moderately fine texture or fine texture. These soils have a slow rate of water transmission.

Group D. Soils having a very slow infiltration rate (high runoff potential) when thoroughly wet. These consist chiefly of clays that have a high shrink-swell potential, soils that have a high water table, soils that have a claypan or clay layer at or near the surface, and soils that are shallow over nearly impervious material. These soils have a very slow rate of water transmission.

If a soil is assigned to a dual hydrologic group (A/D, B/D, or C/D), the first letter is for drained areas and the second is for undrained areas. Only the soils that in their natural condition are in group D are assigned to dual classes.

Rating Options

Aggregation Method: Dominant Condition

Component Percent Cutoff: None Specified

Tie-break Rule: Higher

Map Scale: 1:5,310 if printed on B landscape (17" x 11") sheet.

Meters: 0 50 100 200 300

Feet: 0 250 500 1000 1500

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 17N WGS84

MAP LEGEND

Area of Interest (AOI)

- Area of Interest (AOI)

Soils

Soil Rating Polygons

- A
- A/D
- B
- B/D
- C
- C/D
- D
- Not rated or not available

Soil Rating Lines

- A
- A/D
- B
- B/D
- C
- C/D
- D
- Not rated or not available

Soil Rating Points

- A
- A/D
- B
- B/D
- C
- C/D
- D
- Not rated or not available

Water Features

- Streams and Canals

Transportation

- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background

- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Union County, Tennessee
Survey Area Data: Version 14, Jun 1, 2020

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: May 2, 2020—May 3, 2020

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Hydrologic Soil Group

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
Aml	Armuchee silt loam, hilly phase	C	3.7	12.1%
Lsn	Leadvale silt loam, undulating phase	C	3.3	10.6%
Pf	Philo fine sandy loam (sl)	C	8.9	28.8%
RgM	Rough gullied land, montevallo soil material	D	9.7	31.6%
RsF	Rough stony land, fullerton soil material		0.4	1.2%
Sqn	Sequoia silt loam, undulating phase	C	0.8	2.7%
Sse	Sequoia silty clay loam, eroded rolling phase	C	4.0	13.1%
Totals for Area of Interest			**30.8**	**100.0%**

Description

Hydrologic soil groups are based on estimates of runoff potential. Soils are assigned to one of four groups according to the rate of water infiltration when the soils are not protected by vegetation, are thoroughly wet, and receive precipitation from long-duration storms.

The soils in the United States are assigned to four groups (A, B, C, and D) and three dual classes (A/D, B/D, and C/D). The groups are defined as follows:

Group A. Soils having a high infiltration rate (low runoff potential) when thoroughly wet. These consist mainly of deep, well drained to excessively drained sands or gravelly sands. These soils have a high rate of water transmission.

Group B. Soils having a moderate infiltration rate when thoroughly wet. These consist chiefly of moderately deep or deep, moderately well drained or well drained soils that have moderately fine texture to moderately coarse texture. These soils have a moderate rate of water transmission.

Group C. Soils having a slow infiltration rate when thoroughly wet. These consist chiefly of soils having a layer that impedes the downward movement of water or soils of moderately fine texture or fine texture. These soils have a slow rate of water transmission.

Group D. Soils having a very slow infiltration rate (high runoff potential) when thoroughly wet. These consist chiefly of clays that have a high shrink-swell potential, soils that have a high water table, soils that have a claypan or clay layer at or near the surface, and soils that are shallow over nearly impervious material. These soils have a very slow rate of water transmission.

If a soil is assigned to a dual hydrologic group (A/D, B/D, or C/D), the first letter is for drained areas and the second is for undrained areas. Only the soils that in their natural condition are in group D are assigned to dual classes.

Rating Options

Aggregation Method: Dominant Condition

Component Percent Cutoff: None Specified

Tie-break Rule: Higher

Map Scale: 1:1,110 if printed on A landscape (11" x 8.5") sheet.

N

Meters
0 15 30 60 90

Feet
0 50 100 200 300

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 17N WGS84

MAP LEGEND

Area of Interest (AOI)

- Area of Interest (AOI)

Soils

Soil Rating Polygons

- A
- A/D
- B
- B/D
- C
- C/D
- D
- Not rated or not available

Soil Rating Lines

- A
- A/D
- B
- B/D
- C
- C/D
- D
- Not rated or not available

Soil Rating Points

- A
- A/D
- B
- B/D
- C
- C/D
- D
- Not rated or not available

Water Features

- Streams and Canals

Transportation

- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background

- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

Warning: Soil Map may not be valid at this scale.

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Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

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This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Union County, Tennessee
Survey Area Data: Version 14, Jun 1, 2020

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: May 2, 2020—May 3, 2020

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Hydrologic Soil Group

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
Grn	Greendale silt loam, 1 to 6 percent slopes	B	0.1	5.3%
RLT	Rough stony land, talbott soil material		1.0	73.7%
Tsn	Talbott silt loam, undulating phase	C	0.3	20.9%
Totals for Area of Interest			**1.4**	**100.0%**

Description

Hydrologic soil groups are based on estimates of runoff potential. Soils are assigned to one of four groups according to the rate of water infiltration when the soils are not protected by vegetation, are thoroughly wet, and receive precipitation from long-duration storms.

The soils in the United States are assigned to four groups (A, B, C, and D) and three dual classes (A/D, B/D, and C/D). The groups are defined as follows:

Group A. Soils having a high infiltration rate (low runoff potential) when thoroughly wet. These consist mainly of deep, well drained to excessively drained sands or gravelly sands. These soils have a high rate of water transmission.

Group B. Soils having a moderate infiltration rate when thoroughly wet. These consist chiefly of moderately deep or deep, moderately well drained or well drained soils that have moderately fine texture to moderately coarse texture. These soils have a moderate rate of water transmission.

Group C. Soils having a slow infiltration rate when thoroughly wet. These consist chiefly of soils having a layer that impedes the downward movement of water or soils of moderately fine texture or fine texture. These soils have a slow rate of water transmission.

Group D. Soils having a very slow infiltration rate (high runoff potential) when thoroughly wet. These consist chiefly of clays that have a high shrink-swell potential, soils that have a high water table, soils that have a claypan or clay layer at or near the surface, and soils that are shallow over nearly impervious material. These soils have a very slow rate of water transmission.

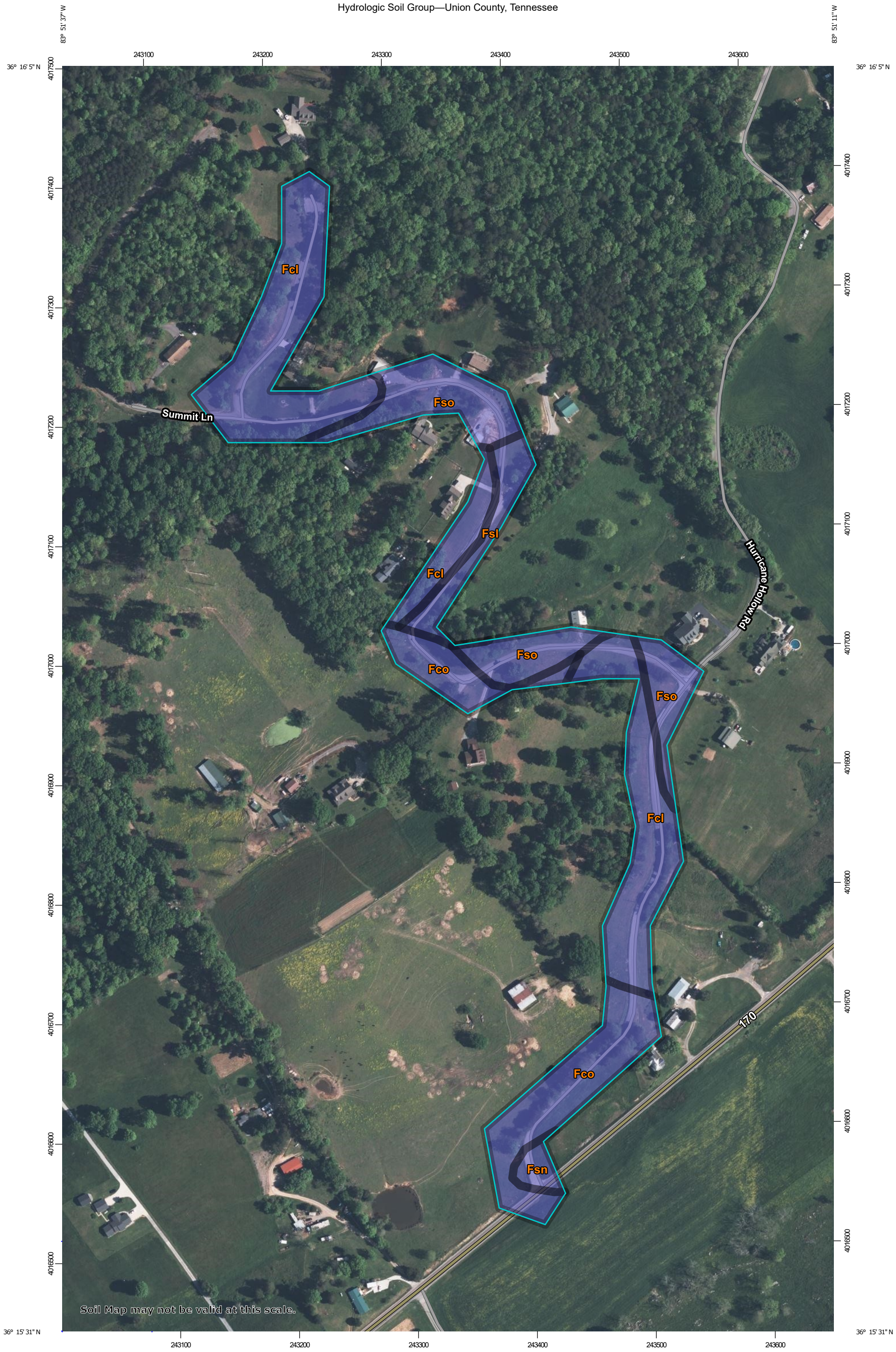
If a soil is assigned to a dual hydrologic group (A/D, B/D, or C/D), the first letter is for drained areas and the second is for undrained areas. Only the soils that in their natural condition are in group D are assigned to dual classes.

Rating Options

Aggregation Method: Dominant Condition

Component Percent Cutoff: None Specified

Tie-break Rule: Higher



Map Scale: 1:2,970 if printed on B portrait (11" x 17") sheet.

N

Meters: 0 40 80 160 240

Feet: 0 100 200 400 600

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 17N WGS84

MAP LEGEND

Area of Interest (AOI)

- Area of Interest (AOI)

Soils

Soil Rating Polygons

- A
- A/D
- B
- B/D
- C
- C/D
- D
- Not rated or not available

Soil Rating Lines

- A
- A/D
- B
- B/D
- C
- C/D
- D
- Not rated or not available

Soil Rating Points

- A
- A/D
- B
- B/D
- C
- C/D
- D
- Not rated or not available

Water Features

- Streams and Canals

Transportation

- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background

- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

Warning: Soil Map may not be valid at this scale.

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Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

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This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Union County, Tennessee
Survey Area Data: Version 14, Jun 1, 2020

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: May 2, 2020—May 3, 2020

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Hydrologic Soil Group

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
Fcl	Fullerton gravelly silt loam, 15 to 25 percent slopes	B	6.8	47.0%
Fco	Fullerton gravelly silt loam, 5 to 12 percent slopes, cool	B	3.3	22.5%
Fsl	Fullerton silt loam (cr-sil), 12 to 25 percent slopes, cool	B	0.9	6.2%
Fsn	Fullerton silt loam (cr-sil), undulating phase	B	0.3	2.0%
Fso	Fullerton silt loam (cr-sil), 5 to 12 percent slopes, cool	B	3.2	22.2%
Totals for Area of Interest			**14.5**	**100.0%**

Description

Hydrologic soil groups are based on estimates of runoff potential. Soils are assigned to one of four groups according to the rate of water infiltration when the soils are not protected by vegetation, are thoroughly wet, and receive precipitation from long-duration storms.

The soils in the United States are assigned to four groups (A, B, C, and D) and three dual classes (A/D, B/D, and C/D). The groups are defined as follows:

Group A. Soils having a high infiltration rate (low runoff potential) when thoroughly wet. These consist mainly of deep, well drained to excessively drained sands or gravelly sands. These soils have a high rate of water transmission.

Group B. Soils having a moderate infiltration rate when thoroughly wet. These consist chiefly of moderately deep or deep, moderately well drained or well drained soils that have moderately fine texture to moderately coarse texture. These soils have a moderate rate of water transmission.

Group C. Soils having a slow infiltration rate when thoroughly wet. These consist chiefly of soils having a layer that impedes the downward movement of water or soils of moderately fine texture or fine texture. These soils have a slow rate of water transmission.

Group D. Soils having a very slow infiltration rate (high runoff potential) when thoroughly wet. These consist chiefly of clays that have a high shrink-swell potential, soils that have a high water table, soils that have a claypan or clay layer at or near the surface, and soils that are shallow over nearly impervious material. These soils have a very slow rate of water transmission.

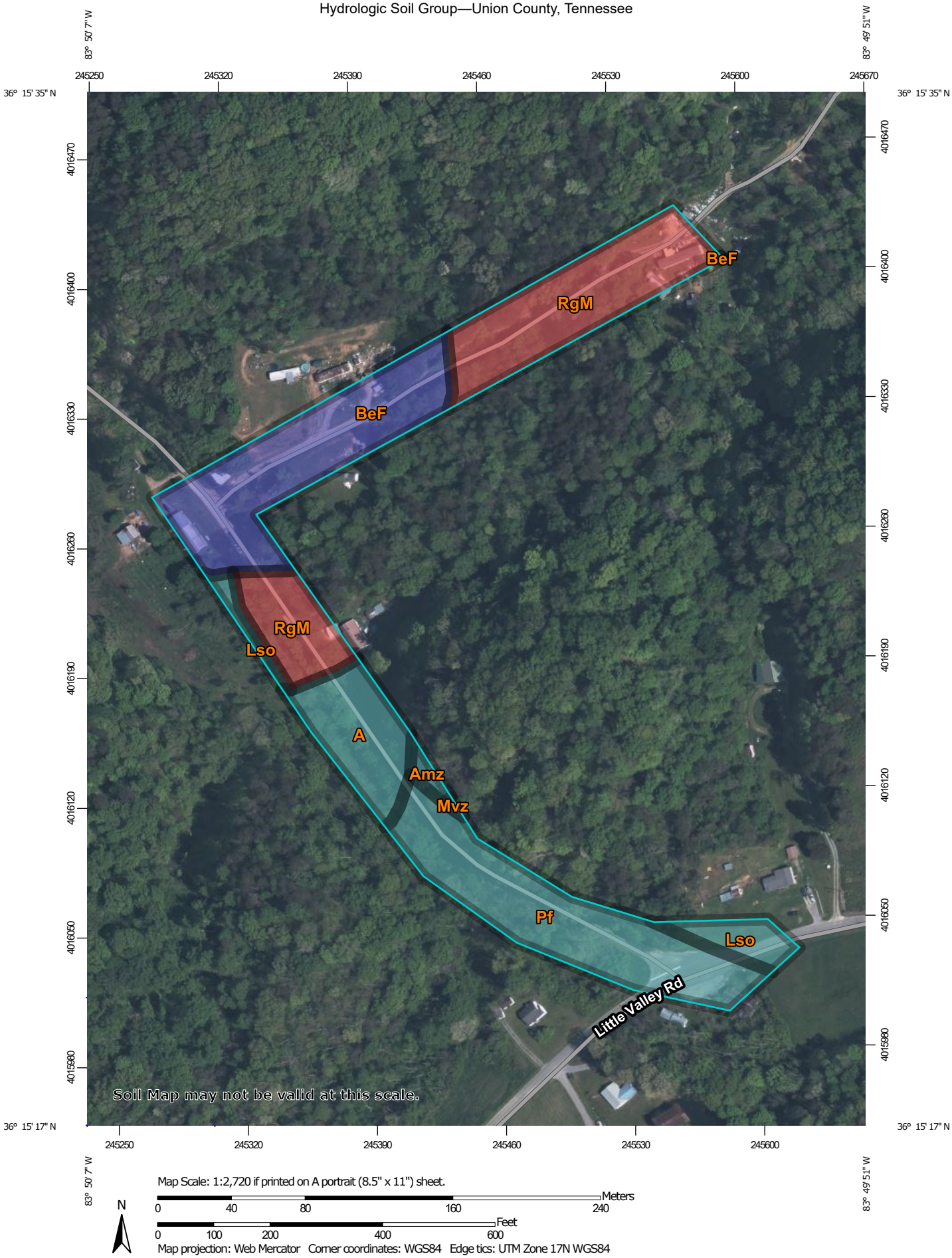
If a soil is assigned to a dual hydrologic group (A/D, B/D, or C/D), the first letter is for drained areas and the second is for undrained areas. Only the soils that in their natural condition are in group D are assigned to dual classes.

Rating Options

Aggregation Method: Dominant Condition

Component Percent Cutoff: None Specified

Tie-break Rule: Higher


83° 50' 7" W
83° 49' 51" W
245250
245320
245390
245460
245530
245600
245670
36° 15' 35" N
36° 15' 17" N
4016470
4016400
4016330
4016260
4016190
4016120
4016050
4015980
BeF
RgM
BeF
RgM
Lso
A
Amz
Mvz
Pf
Lso
Little Valley Rd
Soil Map may not be valid at this scale.
Map Scale: 1:2,720 if printed on A portrait (8.5" x 11") sheet.
N
Meters
0 40 80 160 240
Feet
0 100 200 400 600
Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 17N WGS84

MAP LEGEND

Area of Interest (AOI)

- Area of Interest (AOI)

Soils

Soil Rating Polygons

- A
- A/D
- B
- B/D
- C
- C/D
- D
- Not rated or not available

Soil Rating Lines

- A
- A/D
- B
- B/D
- C
- C/D
- D
- Not rated or not available

Soil Rating Points

- A
- A/D
- B
- B/D
- C
- C/D
- D
- Not rated or not available

Water Features

- Streams and Canals

Transportation

- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background

- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Union County, Tennessee
Survey Area Data: Version 14, Jun 1, 2020

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: May 2, 2020—May 3, 2020

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Hydrologic Soil Group

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
A	Alluvial soils, undifferentiated (lindside)	C	0.8	11.3%
Amz	Armuchee silt loam, steep phase	C	0.1	1.1%
BeF	Berks-Weikert complex, 20 to 75 percent slopes	B	1.8	25.9%
Lso	Leadvale silt loam, rolling phase	C	0.4	5.7%
Mvz	Montevallo shaly silt loam, steep phase	D	0.0	0.1%
Pf	Philo fine sandy loam (sl)	C	1.9	26.7%
RgM	Rough gullied land, montevallo soil material	D	2.1	29.3%
Totals for Area of Interest			**7.0**	**100.0%**

Description

Hydrologic soil groups are based on estimates of runoff potential. Soils are assigned to one of four groups according to the rate of water infiltration when the soils are not protected by vegetation, are thoroughly wet, and receive precipitation from long-duration storms.

The soils in the United States are assigned to four groups (A, B, C, and D) and three dual classes (A/D, B/D, and C/D). The groups are defined as follows:

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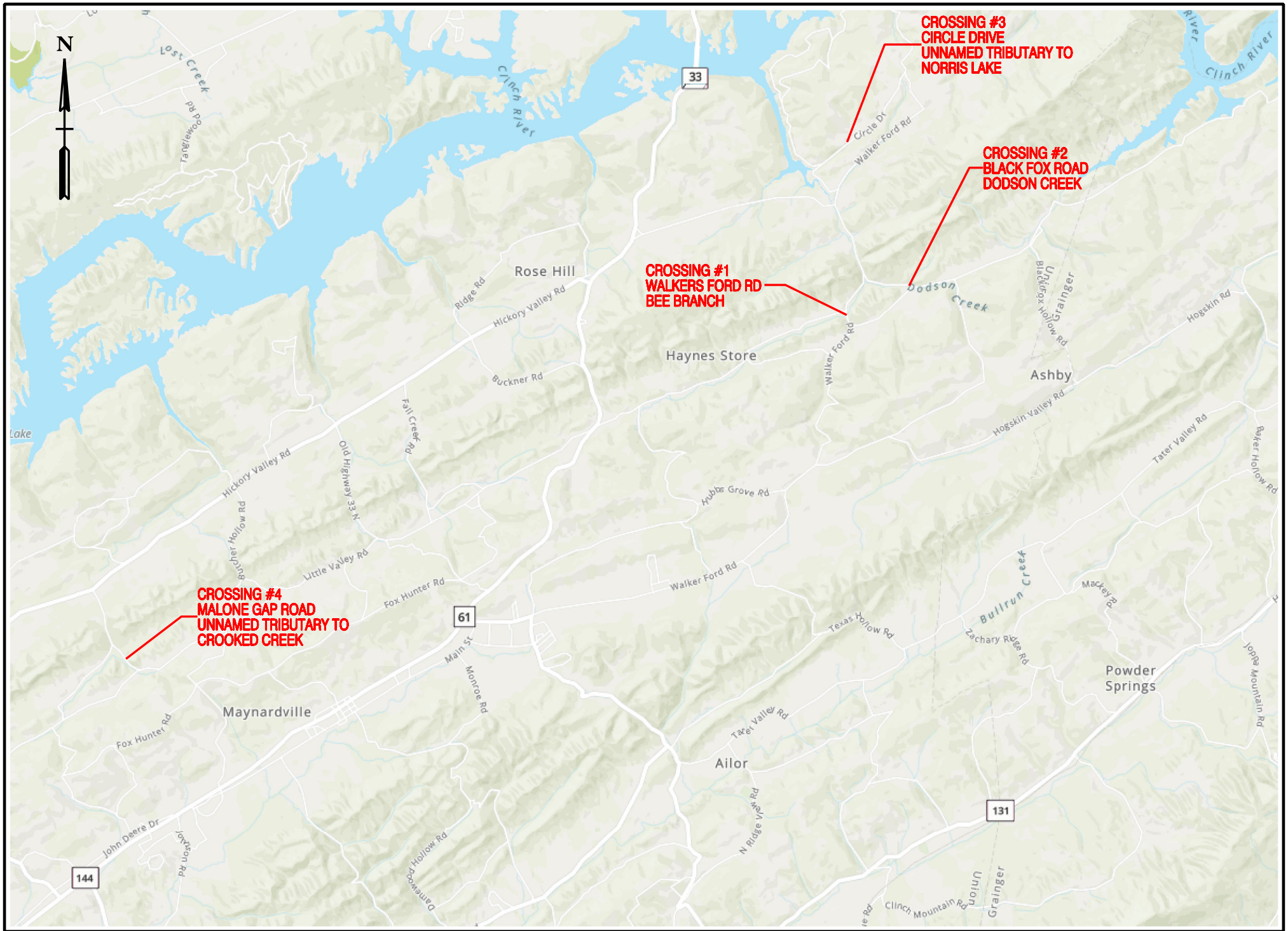
If a soil is assigned to a dual hydrologic group (A/D, B/D, or C/D), the first letter is for drained areas and the second is for undrained areas. Only the soils that in their natural condition are in group D are assigned to dual classes.

Rating Options

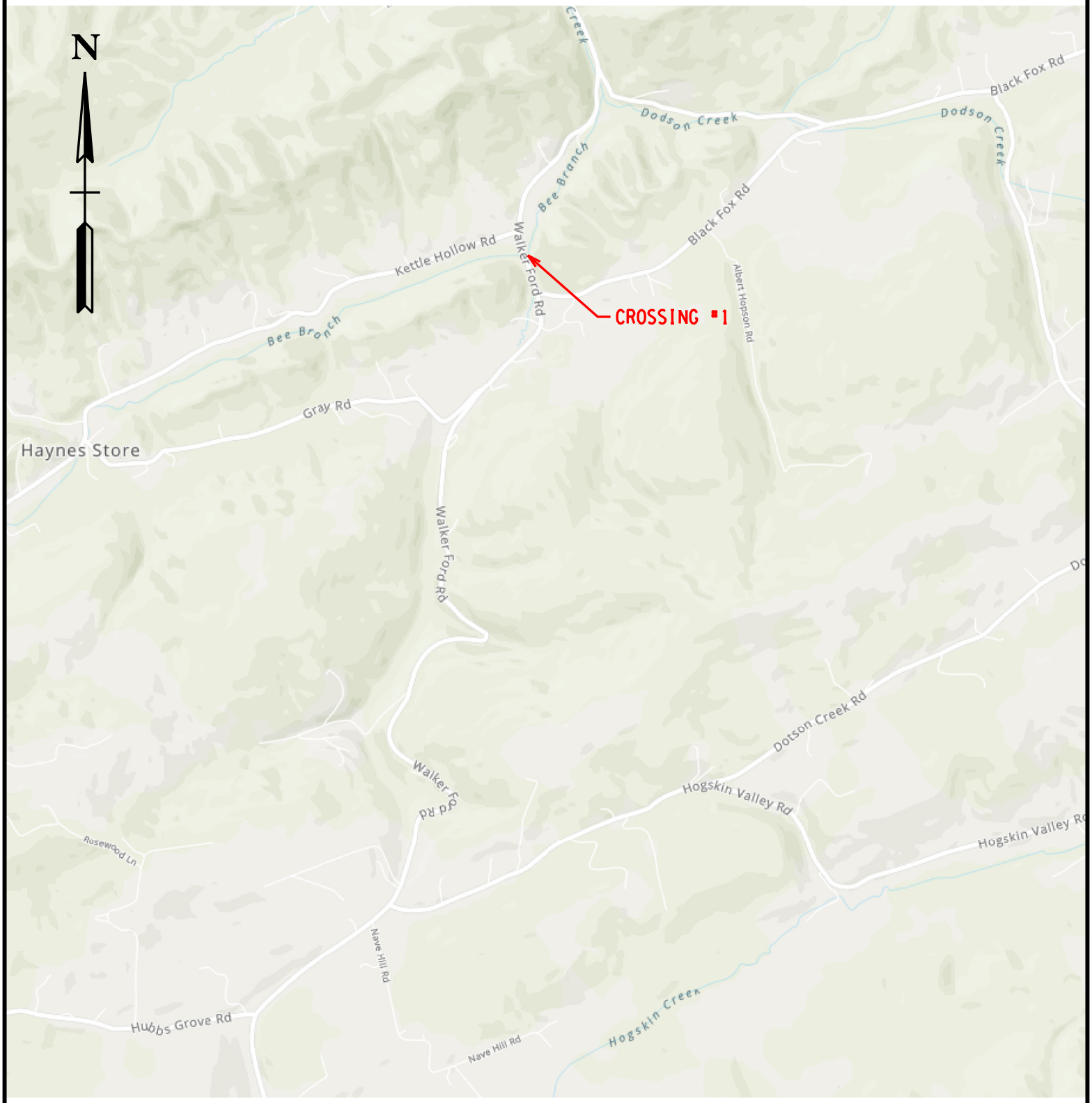
Aggregation Method: Dominant Condition

Component Percent Cutoff: None Specified

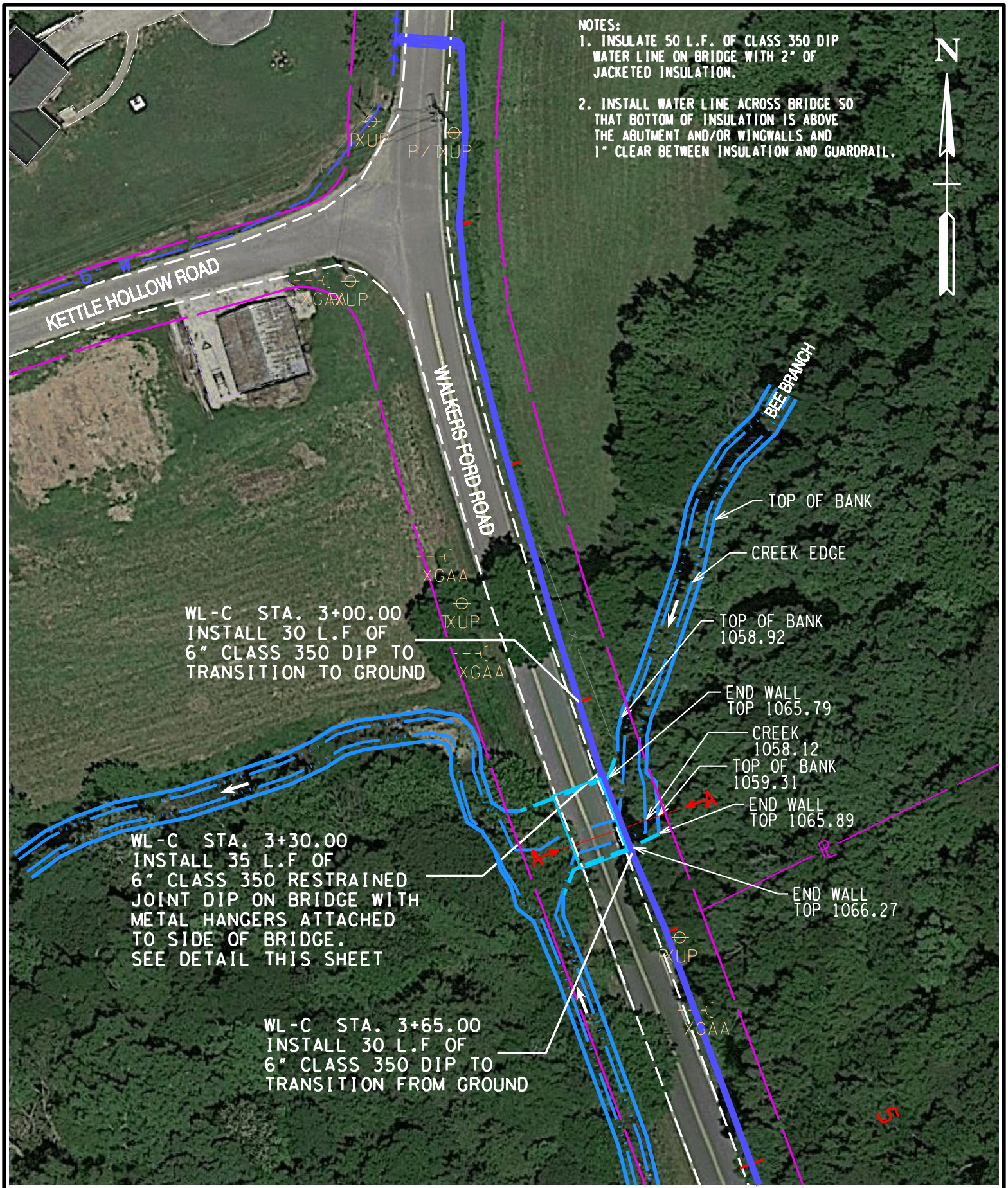
Tie-break Rule: Higher



ROBERT G. CAMPBELL & ASSOC., L.P.	CITY OF MAYNARDVILLE UNION COUNTY, TENNESSEE	2020 CDBG WATER LINE EXTENSION GENERAL LOCATION MAP	SCALE: N.T.S	DATE: 01/29/2021	PROJ. NO. 20009



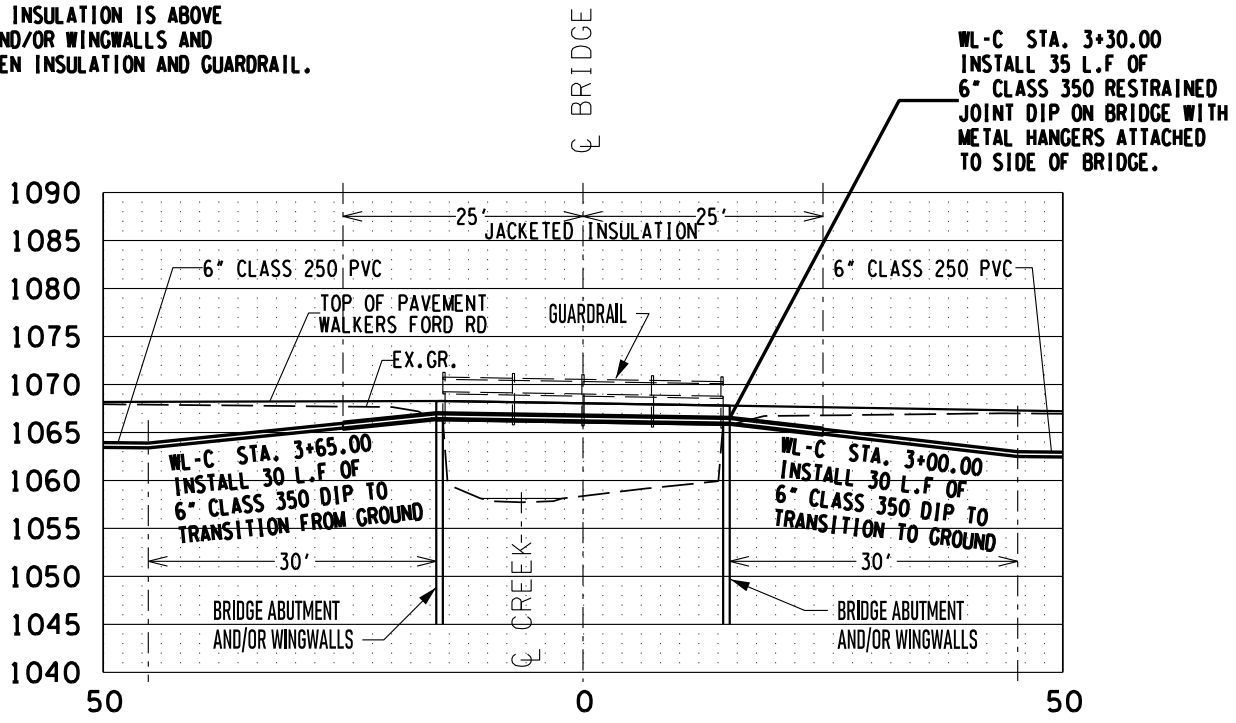
RGC&A ROBERT G. CAMPBELL & ASSOC., L.P.		CITY OF MAYNARDVILLE UNION COUNTY, TENNESSEE		2020 CDBG WATER LINE EXTENSION WALKERS FORD ROAD
SCALE: N.T.S.	DATE: 01/29/2021	PROJECT NO. 20009	SHEET 1 OF 3	CROSSING #1 BEE BRANCH SITE LOCATION



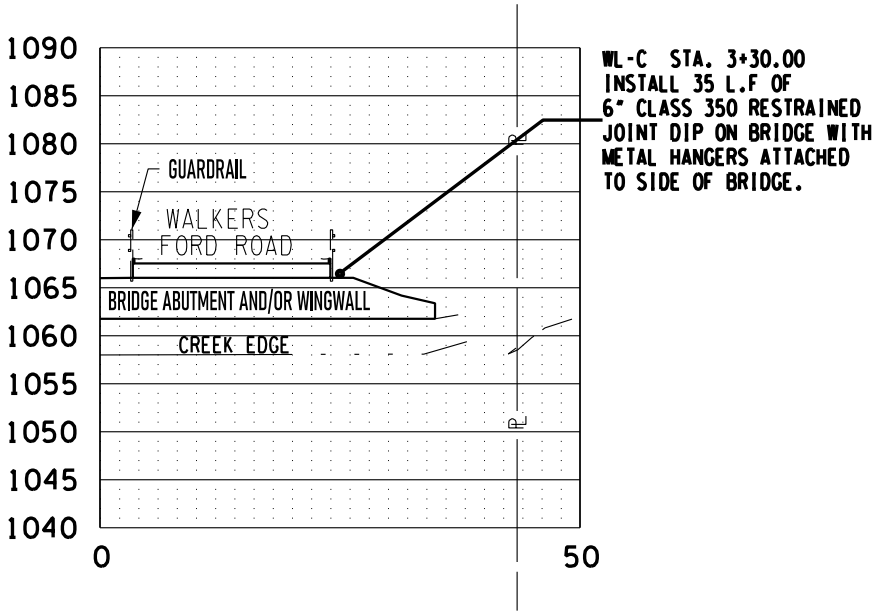
ROBERT G. CAMPBELL & ASSOC., L.P.	CITY OF MAYNARDVILLE UNION COUNTY, TENNESSEE		2020 CDBG WATER LINE EXTENSION WALKERS FORD ROAD
SCALE: 1" = 50'	DATE: 01/29/2021	PROJECT NO. 20009	SHEET 2 OF 3	CROSSING #1 BEE BRANCH PLAN VIEW

NOTES:
1. INSULATE 50 L.F. OF CLASS 350 DIP WATER LINE ON BRIDGE WITH 2" OF JACKETED INSULATION.

2. INSTALL WATER LINE ACROSS BRIDGE SO THAT BOTTOM OF INSULATION IS ABOVE THE ABUTMENT AND/OR WINGWALLS AND 1" CLEAR BETWEEN INSULATION AND GUARDRAIL.

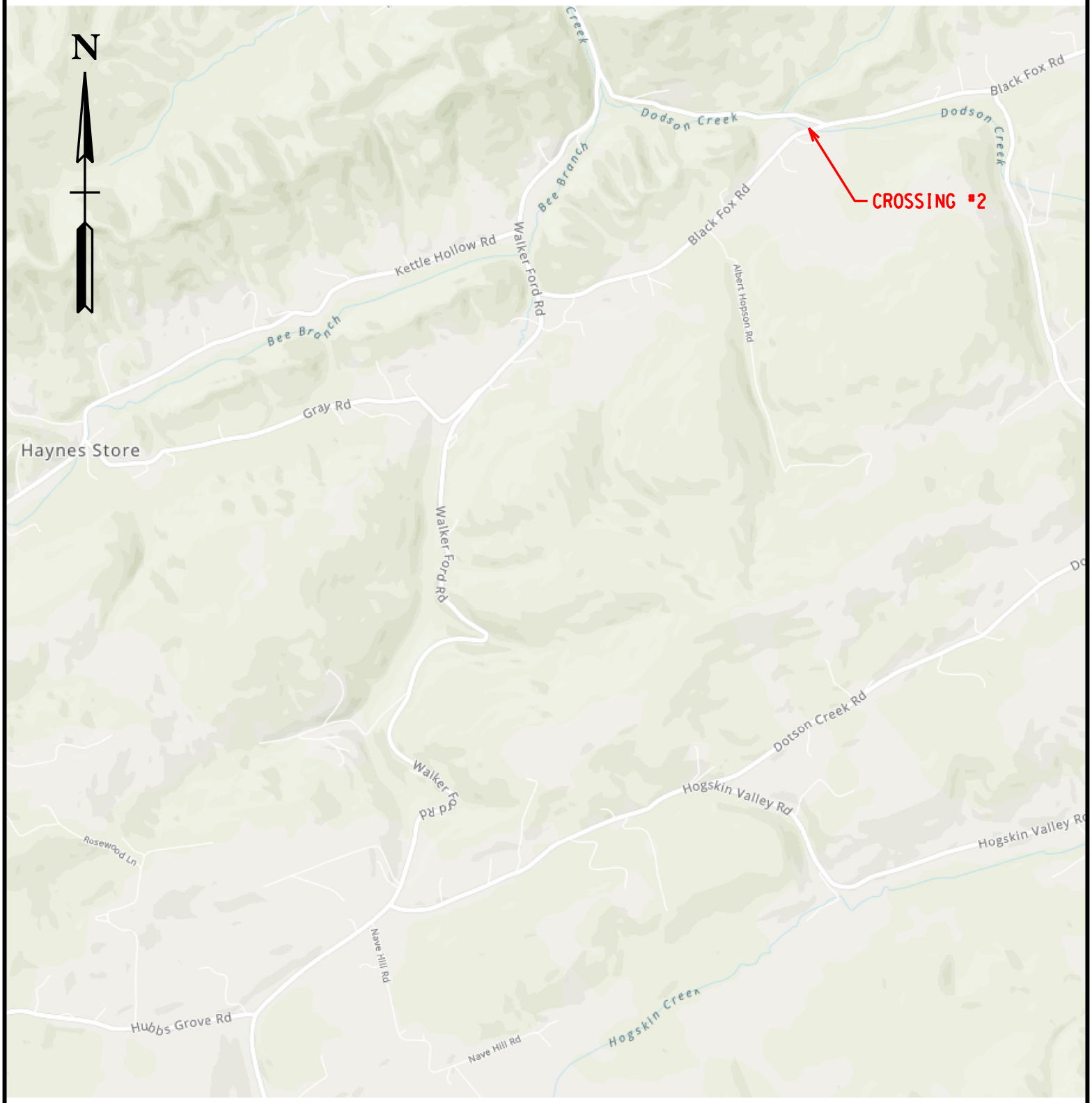


PROFILE

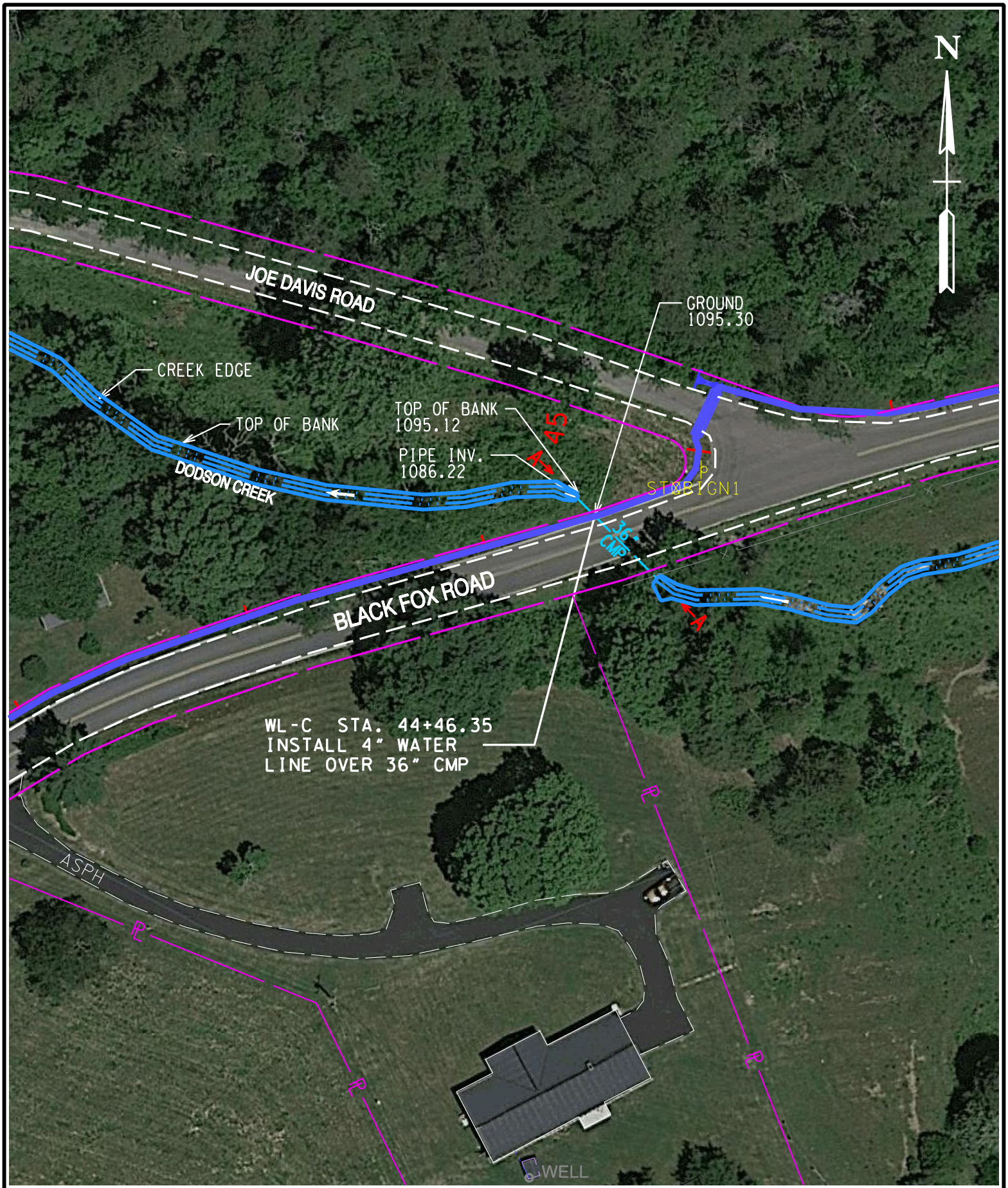


CROSS SECTION A-A

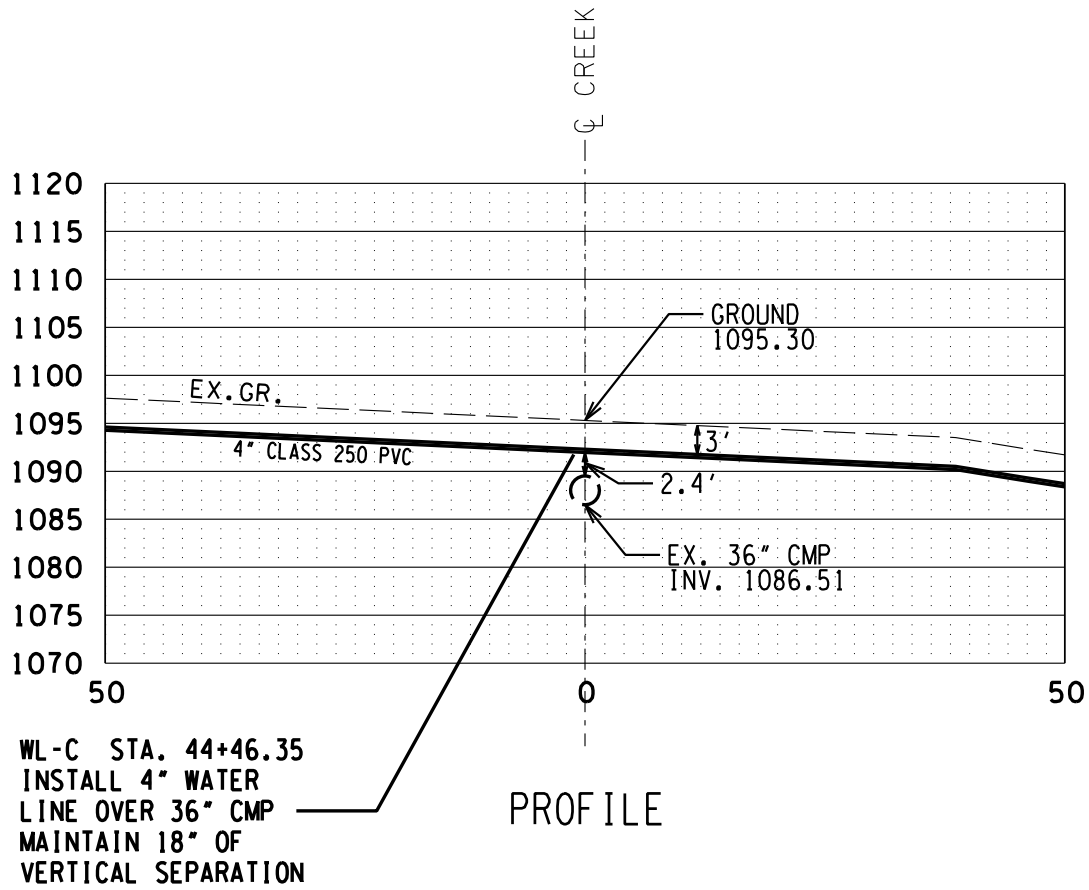
RGC&A ROBERT G. CAMPBELL & ASSOC., L.P.		CITY OF MAYNARDVILLE UNION COUNTY, TENNESSEE		2020 CDBG WATER LINE EXTENSION WALKERS FORD ROAD
SCALE: 1" = 20'	DATE: 01/29/2021	PROJECT NO. 20009	SHEET 3 OF 3	CROSSING #1 BEE BRANCH PROFILE



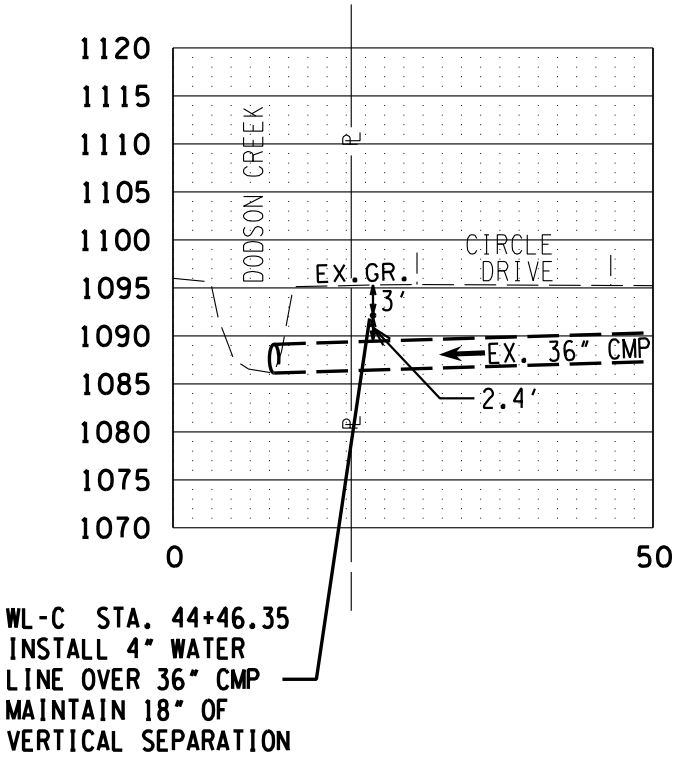
RGC&A ROBERT G. CAMPBELL & ASSOC., L.P.		CITY OF MAYNARDVILLE UNION COUNTY, TENNESSEE		2020 CDBG WATER LINE EXTENSION BLACK FOX ROAD
SCALE: N.T.S.	DATE: 01/29/2021	PROJECT NO. 20009	SHEET 1 OF 3	CROSSING #2 DODSON CREEK SITE LOCATION



ROBERT G. CAMPBELL & ASSOC., L.P.		CITY OF MAYNARDVILLE UNION COUNTY, TENNESSEE		2020 CDBG WATER LINE EXTENSION BLACK FOX ROAD
SCALE: 1" = 50'	DATE: 01/29/2021	PROJECT NO. 20009	SHEET 2 OF 3	CROSSING #2 DODSON CREEK PLAN VIEW

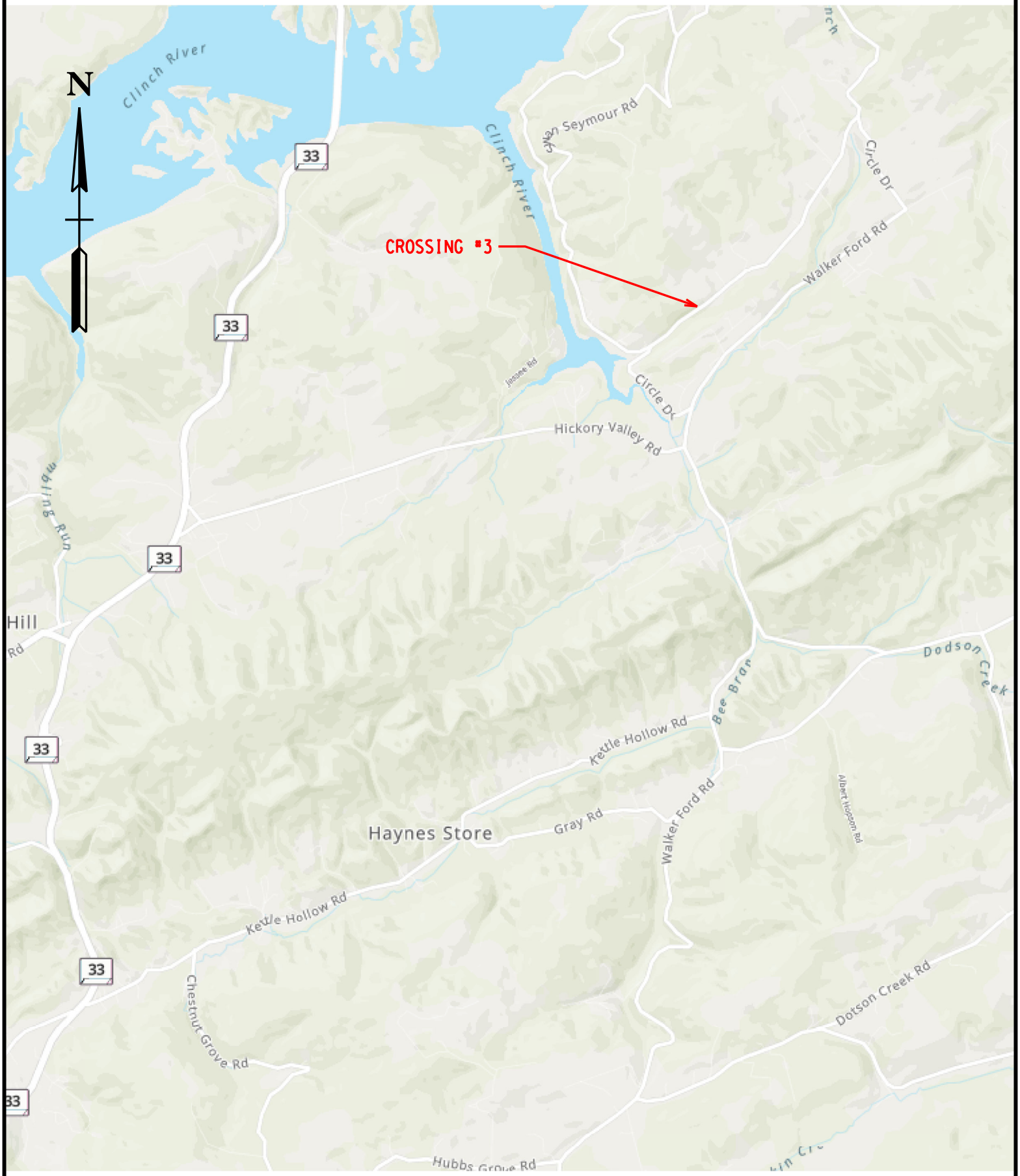


PROFILE

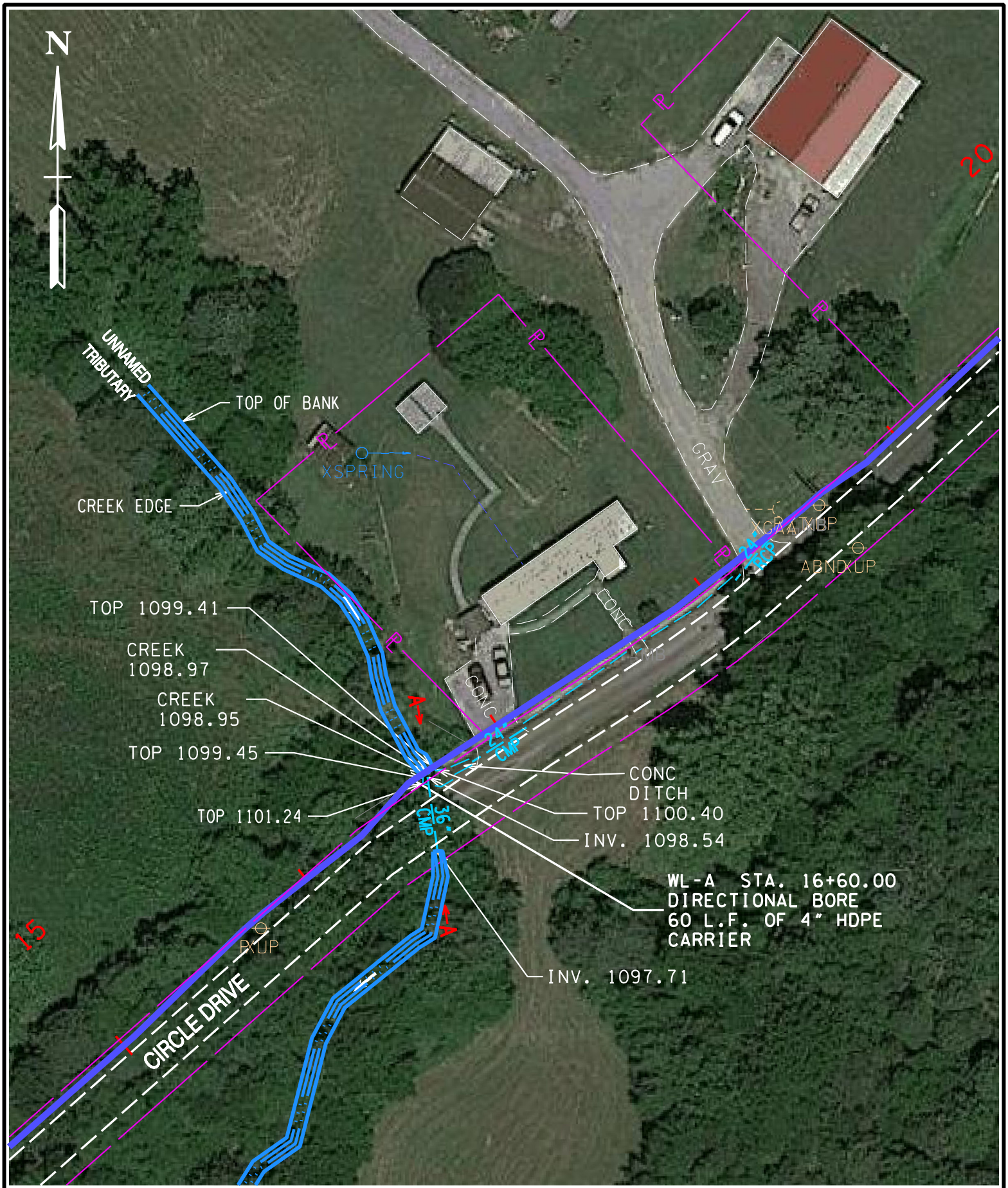


CROSS SECTION A-A

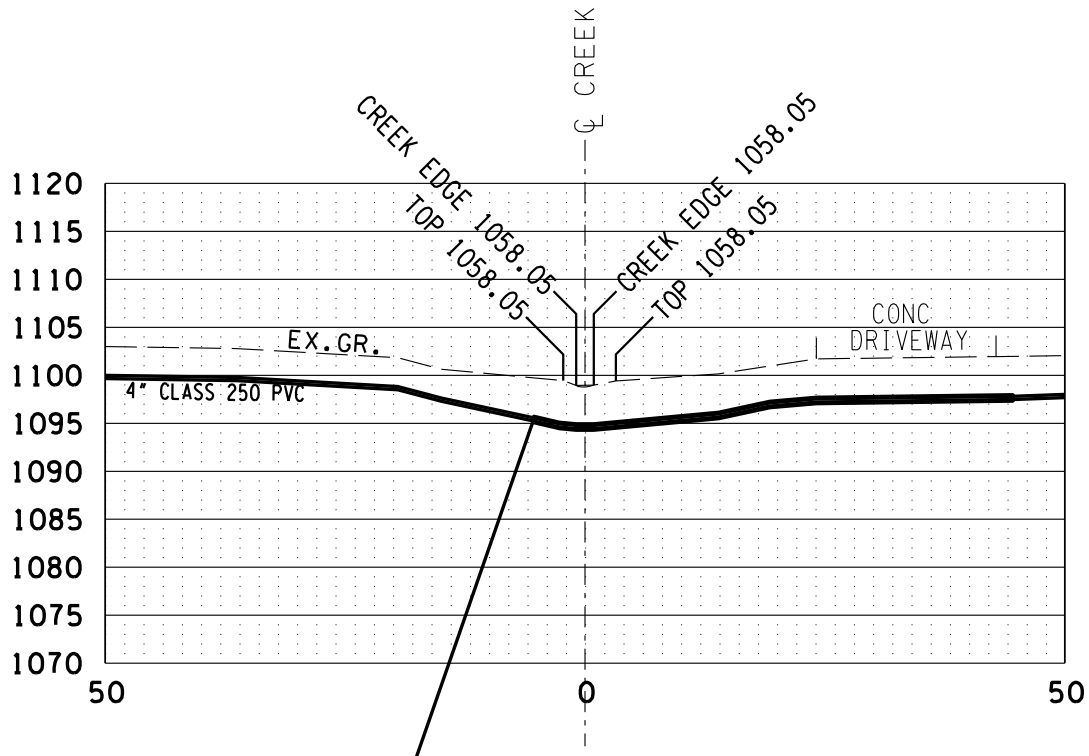
ROBERT G. CAMPBELL & ASSOC., L.P.		CITY OF MAYNARDVILLE UNION COUNTY, TENNESSEE		2020 CDBG WATER LINE EXTENSION BLACK FOX ROAD
SCALE: 1" = 20'	DATE: 01/29/2021	PROJECT NO. 20009	SHEET 3 OF 3	CROSSING #2 DODSON CREEK PROFILE



RGC&A ROBERT G. CAMPBELL & ASSOC., L.P.		CITY OF MAYNARDVILLE UNION COUNTY, TENNESSEE		2020 CDBG WATER LINE EXTENSION CIRCLE DRIVE
SCALE: N.T.S.	DATE: 01/29/2021	PROJECT NO. 20009	SHEET 1 OF 3	CROSSING #3 UNNAMED TRIBUTARY SITE LOCATION

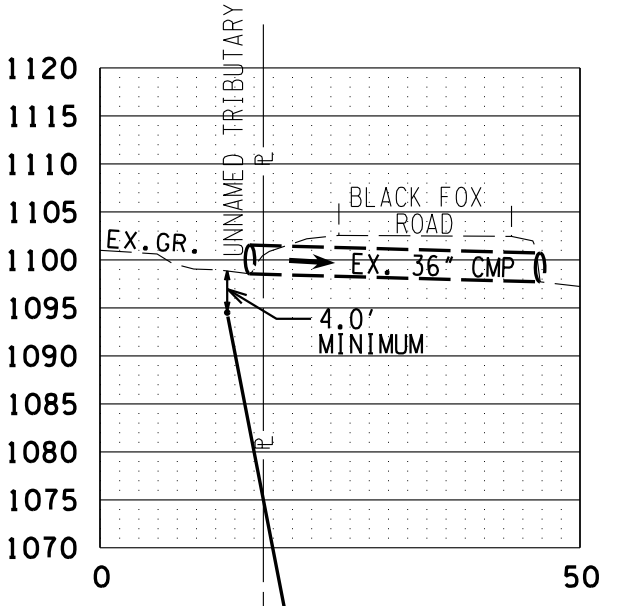


ROBERT G. CAMPBELL & ASSOC., L.P.		CITY OF MAYNARDVILLE UNION COUNTY, TENNESSEE		2020 CDBG WATER LINE EXTENSION CIRCLE DRIVE
SCALE: 1" = 50'	DATE: 01/29/2021	PROJECT NO. 20009	SHEET 2 OF 3	CROSSING #3 UNNAMED TRIBUTARY PLAN VIEW



WL-A STA. 16+60.00
DIRECTIONAL BORE
60 L.F. OF 4" HDPE
CARRIER

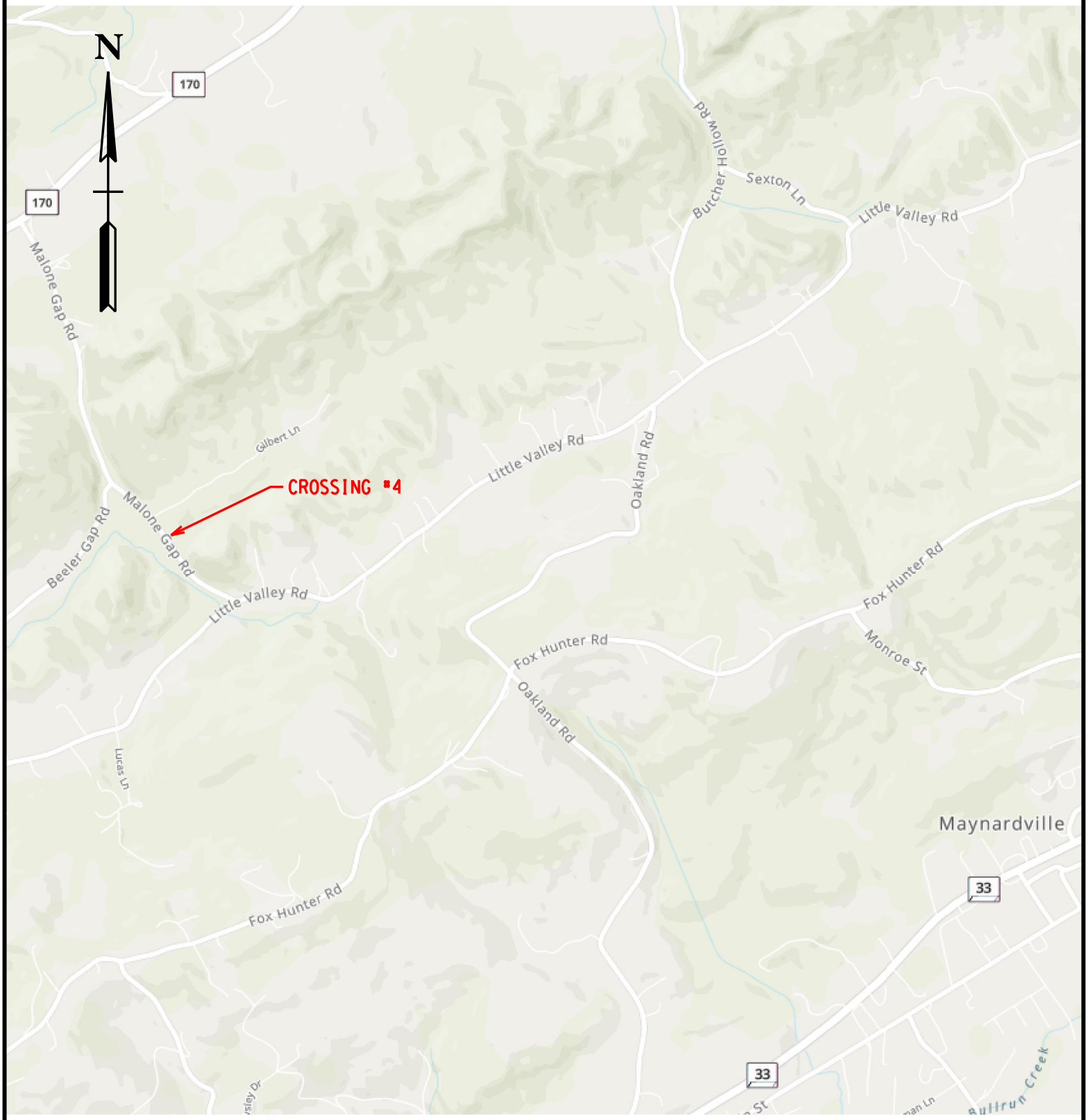
PROFILE



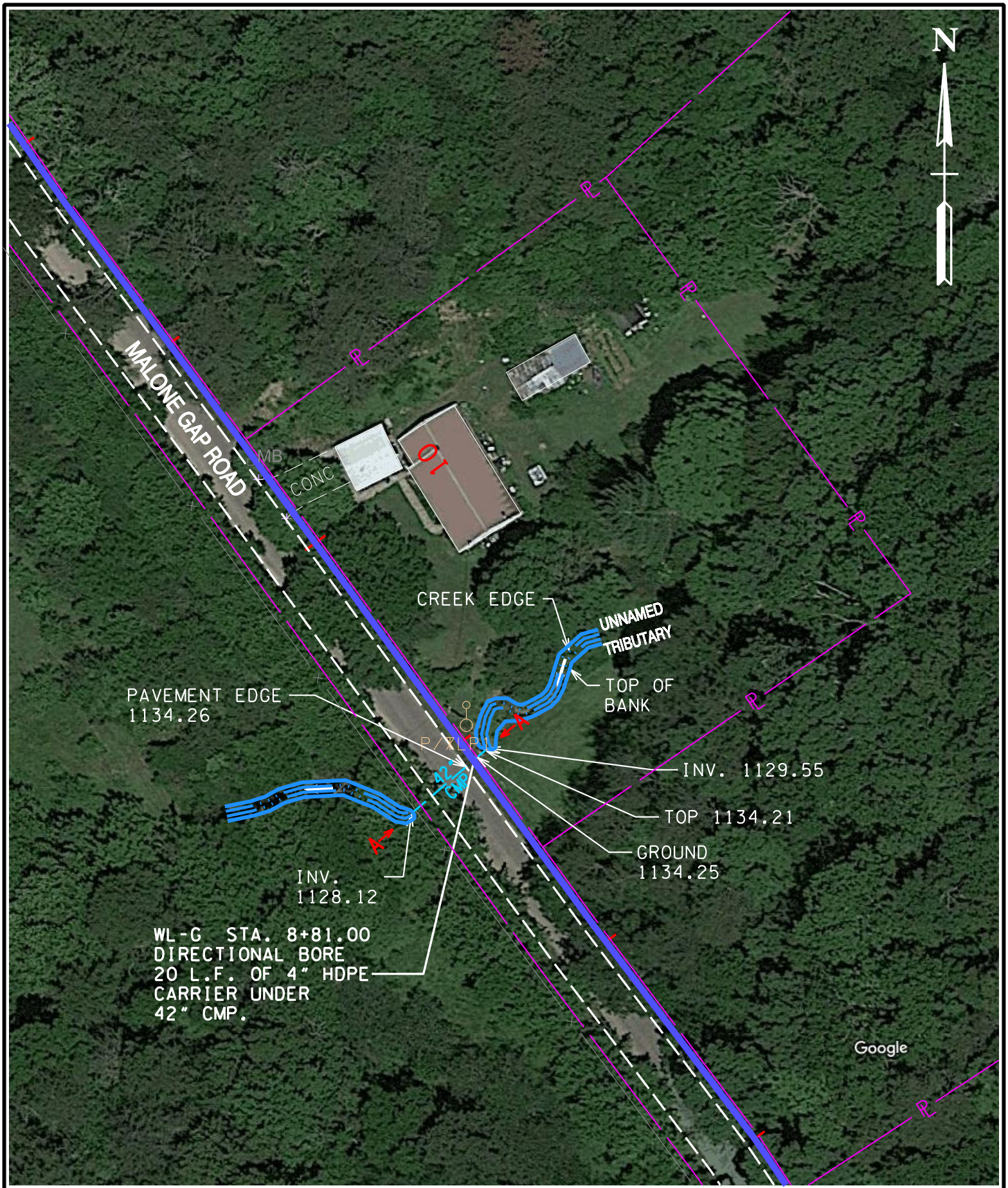
WL-A STA. 16+60.00
DIRECTIONAL BORE
60 L.F. OF 4" HDPE
CARRIER

CROSS SECTION A-A

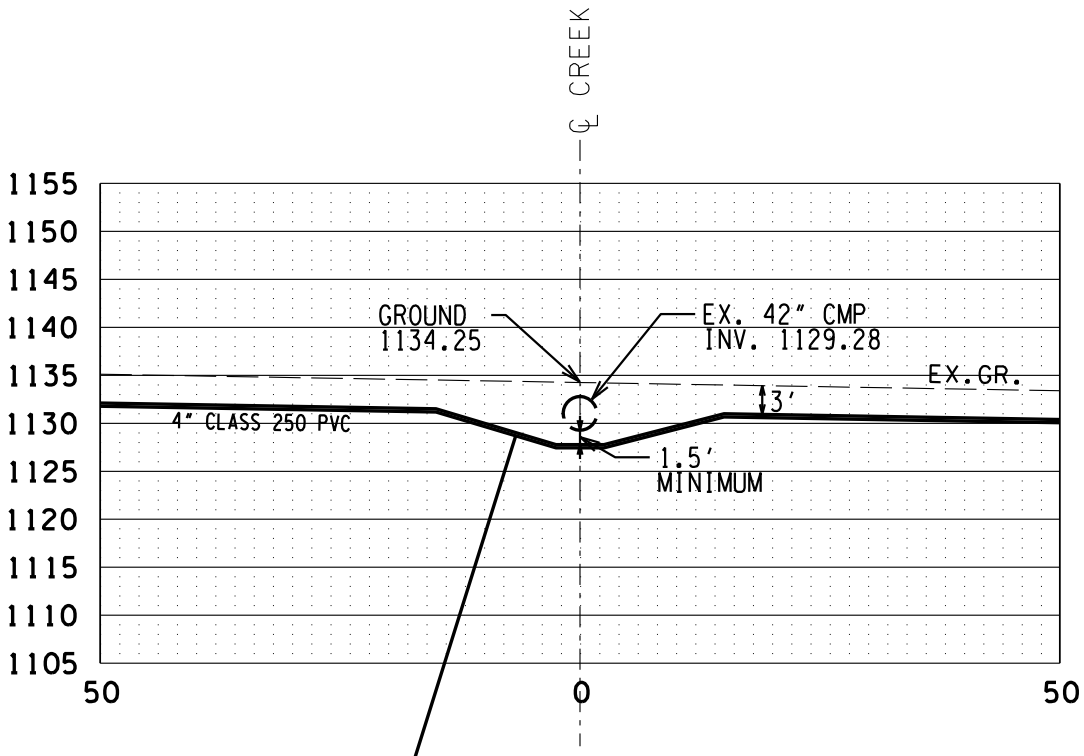
RGC&A ROBERT G. CAMPBELL & ASSOC., L.P.		CITY OF MAYNARDVILLE UNION COUNTY, TENNESSEE		2020 CDBG WATER LINE EXTENSION CIRCLE DRIVE
SCALE: 1" = 20'	DATE: 01/29/2021	PROJECT NO. 20009	SHEET 3 OF 3	CROSSING #3 UNNAMED TRIBUTARY PROFILE



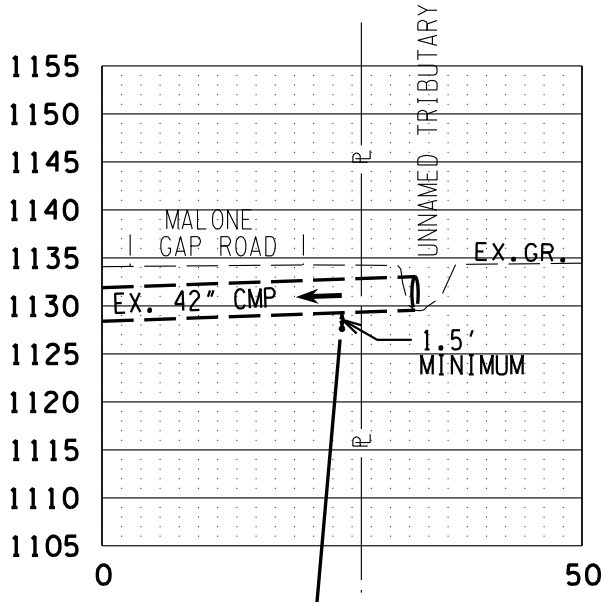
RGC&A ROBERT G. CAMPBELL & ASSOC., L.P.		CITY OF MAYNARDVILLE UNION COUNTY, TENNESSEE		2020 CDBG WATER LINE EXTENSION MALONE GAP ROAD
SCALE: N.T.S.	DATE: 01/29/2021	PROJECT NO. 20009	SHEET 1 OF 3	CROSSING #4 UNNAMED TRIBUTARY SITE LOCATION



ROBERT G. CAMPBELL & ASSOC., L.P.		CITY OF MAYNARDVILLE UNION COUNTY, TENNESSEE		2020 CDBG WATER LINE EXTENSION MALONE GAP ROAD
SCALE: 1" = 50'	DATE: 01/29/2021	PROJECT NO. 20009	SHEET 2 OF 3	CROSSING #4 UNNAMED TRIBUTARY PLAN VIEW



PROFILE



CROSS SECTION A-A

ROBERT G. CAMPBELL & ASSOC., L.P.		CITY OF MAYNARDVILLE UNION COUNTY, TENNESSEE		2020 CDBG WATER LINE EXTENSION MALONE GAP ROAD
SCALE: 1" = 20'	DATE: 01/29/2021	PROJECT NO. 20009	SHEET 3 OF 3	CROSSING #4 UNNAMED TRIBUTARY PROFILE

CITY OF MAYNARDVILLE
UNION COUNTY, TENNESSEE

STORMWATER POLLUTION PREVENTION PLAN
2020 CDBG WATER LINE EXTENSIONS
CIRCLE DRIVE, BLACK FOX ROAD, LAMBDIN ROAD,
AUTUMN'S WAY, GILBERT LANE AND MALONE GAP ROAD AREAS

MAYOR:
TY BLAKELY

VICE MAYOR:
LEN PADGETT

COMMISSIONERS:
ISAAC COLLINS
MARTY SMITH
TIM YOUNG

APPROVED BY:

Allen Padgett
CITY OF MAYNARDVILLE

ROBERT G. CAMPBELL & ASSOCIATES , L.P.
CONSULTING ENGINEERS

KNOXVILLE , TENNESSEE

FILE NO.: 20009
DATE: 02/09/2021

2020 CDBG WATER LINE EXTENSIONS
CIRCLE DR., BLACK FOX RD., LAMBDIN RD.,
AUTUMN'S WAY, GILBERT LN. AND MALONE GAP RD. AREAS

CITY OF MAYNARDVILLE
UNION COUNTY, TENNESSEE

ROBERT G. CAMPBELL & ASSOC., L.P.
CONSULTING ENGINEERS
KNOXVILLE, TENNESSEE

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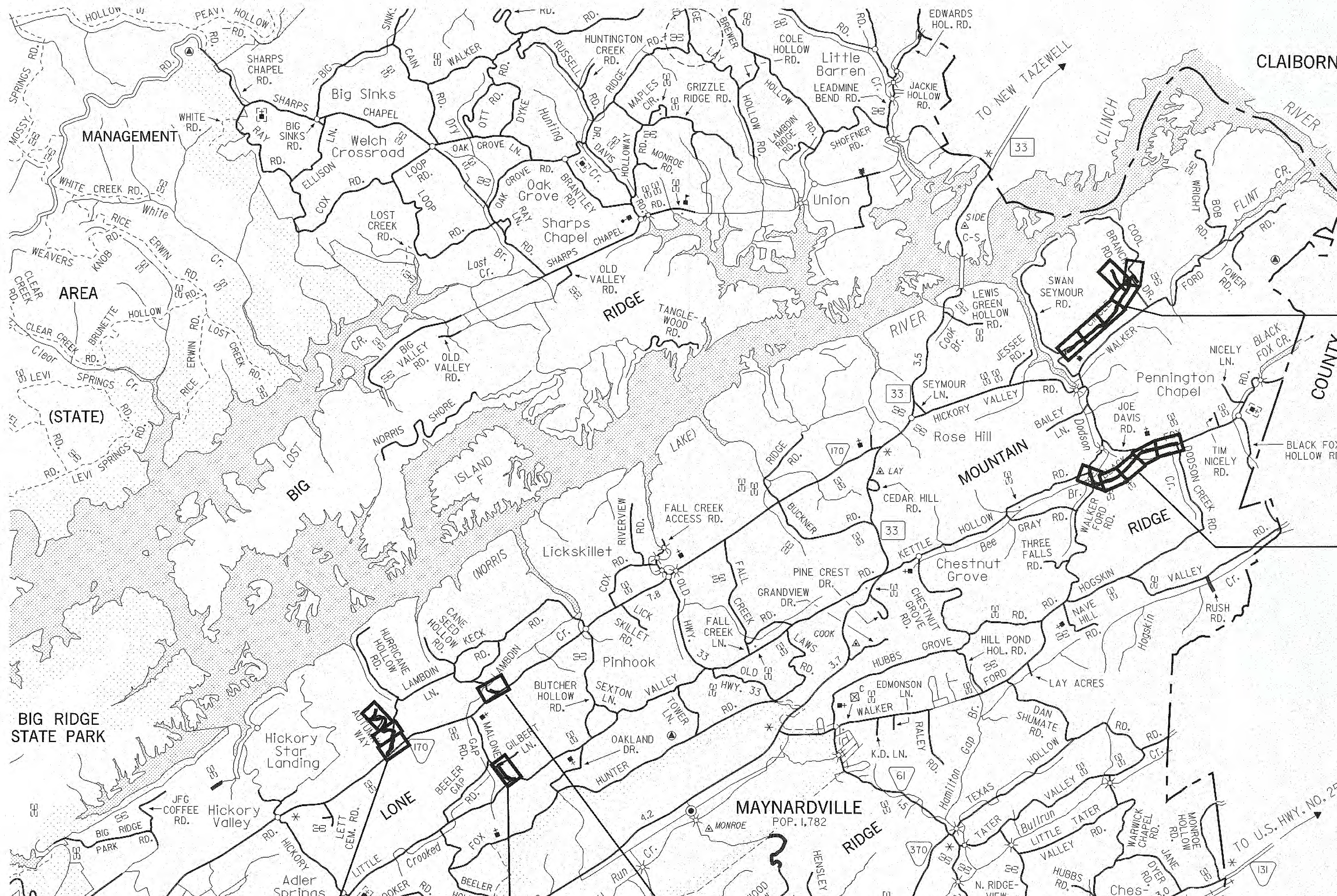


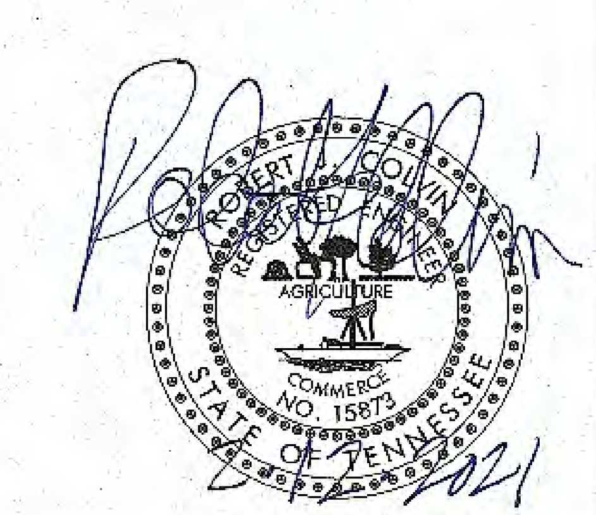
AREA 1
CIRCLE DRIVE
SHEETS 4 - 9

AREA 2
BLACK FOX ROAD
SHEETS 10 - 14

AREA 4
AUTUMN'S WAY
SHEETS 16 - 18

AREA 5
MALONE GAP ROAD
SHEET 19

AREA 3
LAMBDIN ROAD
SHEET 15



NO.	DATE	DESCRIPTION	BY	CKD.
		REVISIONS		

RGC&A

ROBERT G. CAMPBELL & ASSOC., L.P. CONSULTING ENGINEERS KNOXVILLE, TENNESSEE	CITY OF MAYNARDVILLE UNION COUNTY, TENNESSEE	SWPPP SHEET LAYOUT / LOCATION MAP

DESIGNED BY	CHECKED BY	SCALE	SHEET
JLD	RJC	1" = 50'	NO. 2
DRAWN BY	DATE	FILE NO.	
JLD	FEB. 12, 2021	20009	OF 19 SHEETS

$$$$DGNSPEC$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$
$$$$TIME$$$$$$$$ $$$$$$DATE

WATER NOTES:

1. ALL WATERLINES SHALL BE INSTALLED IN ACCORDANCE WITH APPROVED CITY OF MAYNARDVILLE SPECIFICATIONS.
2. ALL WATERLINES SHALL BE CLASS 250 PVC UNLESS NOTED OTHERWISE.
3. WATER MAINS ENCASED IN STEEL PIPE SHALL BE CLASS 350 RESTRAINED JOINT DUCTILE IRON PIPE UNLESS NOTED OTHERWISE.
4. ALL CASING PIPE SHALL BE INSTALLED BY DIRECTIONAL BORE UNLESS NOTED OTHERWISE.
5. ALL SERVICES FROM NEW LINE TO AND INCLUDING METER BOX SHALL BE NEW CONSTRUCTION.
6. SERVICE LINES FROM THE MAIN TO THE METER SHALL BE 3/4" POLYETHYLENE 200 PSI SDR 9 PE 3408 CLASS 200.
7. SERVICE LINES FROM THE METER TO THE LMI SHALL BE 3/4" POLYETHYLENE 200 PSI SDR 9 PE 3408 CLASS 200 PIPE UNDER 500' AND 1" POLYETHYLENE 200 PSI SDR 9 PE 3408 CLASS 200 PIPE IF MORE THAN 500'.
8. EXISTING WATERLINE PRESSURE FURNISHED BY OFFICIALS AT THE CITY OF MAYNARDVILLE.
9. CONTRACTOR MUST HAVE A VALID CONTRACTOR UTILITY LICENSE FOR INSTALLATION OF UNDERGROUND PIPING.
10. ALL WATER VALVES SHALL BE PLACED OUTSIDE THE ROADWAY SURFACE.
11. ALL WATER LINES TO BE CONSTRUCTED WITH A MINIMUM OF 36" OF COVER.
12. AIR RELEASE VALVES WILL BE INSTALLED AT ALL HIGHPOINTS IN NEW WATER LINE CONSTRUCTION, ALSO AT ANY OTHER LOCATION AS DIRECTED BY OFFICIALS OF THE CITY OF MAYNARDVILLE.
13. EXISTING UTILITIES SHOWN ON PLANS ARE APPROXIMATE LOCATIONS. THE CONTRACTOR SHALL NOTIFY THE OWNERS OF EACH UTILITY PRIOR TO CONSTRUCTION IN THE AREA AND REQUEST EXACT HORIZONTAL AND VERTICAL LOCATIONS.

EROSION / POLLUTION CONTROL:

1. ALL LOCAL, STATE, AND FEDERAL EROSION CONTROL REQUIREMENTS SHALL BE FOLLOWED DURING CONSTRUCTION. THE CONTRACTOR SHALL TAKE ALL NECESSARY MEASURES TO CONTROL EROSION AND WATER POLLUTION THROUGHOUT THE CONSTRUCTION PERIOD. ALL TEMPORARY EROSION CONTROL MEASURES SHALL BE IN PLACE BEFORE EARTH MOVING OPERATIONS BEGIN. CLEARING AND GRUBBING SHALL BE HELD TO A MINIMUM WIDTH NECESSARY TO ACCOMMODATE CONSTRUCTION SLOPES. THE CONTRACTOR SHALL ADHERE TO THE STORM WATER POLLUTION PREVENTION PLAN AS PROVIDED IN THE CONTRACT DOCUMENTS.
2. ANY STOCKPILED SOIL OR FILL MATERIAL SHALL BE LOCATED AND TREATED IN A MANNER TO PREVENT SILT FROM ENTERING STREAMS. NO EXCAVATED MATERIAL SHALL BE DISCHARGED INTO DITCHES. THE CONTRACTOR SHALL DISPOSE OF ALL EXCAVATED MATERIAL IN A LOCATION APPROVED BY THE ENGINEER, ABOVE THE NORMAL HIGH WATER ELEVATION.
3. THE CONTRACTOR IS RESPONSIBLE FOR ADHERING TO ALL EROSION CONTROL PROVISIONS AS SET FORTH IN THE EROSION AND SEDIMENT CONTROL HANDBOOK AVAILABLE FROM THE TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION.
4. THE CONTRACTOR SHALL MAINTAIN THE EROSION CONTROL MEASURES THROUGHOUT THE LENGTH OF THE CONTRACT AS REQURED.
5. THE CONTRACTOR SHALL PROVIDE TEMPORARY EROSION PREVENTION AND SEDIMENT CONTROL MEASURES (SUCH AS TEMPORARY VEGETATION, BERMS, SEDIMENT BASINS, SLOPE DRAINS, AND SILT FENCES) AS DIRECTED BY THE ENGINEER.
6. NO EARTH OR OTHER ERODIBLE MATERIAL SHALL BE USED TO DIVERT STREAM FLOW OR TO CONSTRUCT COFFERDAMS. CLEAN CUT ROCK WITH FINES MAY BE USED, OR IN THE CASE OF COFFERDAMS, STEEL SHEETING OR SAND BAGS IS PERMISSIBLE. WATER OR SEDIMENT ISOLATED BY COFFERDAMS SHALL BE PUMPED INTO SEDIMENT BASINS ON THE BANK OF THE STREAM.

GENERAL NOTES:

1. CONTRACTOR IS RESPONSIBLE FOR ALL TRENCH SAFETY
2. CONTRACTOR SHALL SHORE AND BRACE ALL OPEN CUT TRENCHES AS REQUIRED BY STATE AND FEDERAL LAWS AND LOCAL ORDINANCES; TO CONFORM WITH RECOMMENDATIONS SET FORTH IN THE AGC MANUAL OF ACCIDENT PREVENTION IN CONSTRUCTION; TO PROTECT LIFE, PROPERTY, OR WORK; TO AVOID EXCESSIVELY WIDE CUTS IN UNSTABLE MATERIAL.
3. ALL AREAS DISTURBED BY CONSTRUCTION AND NOT COVERED BY PAVEMENT OR OTHER STRUCTURES SHALL BE PREPARED FOR SEEDING AND MULCH AS SOON AS PRACTICAL AFTER THE INSTALLATION OF PIPE LINE HAS BEEN COMPLETED IN EACH AREA.
4. ALL APPURTENANCES SUCH AS MAIL BOXES, FENCES, ETC. MOVED OR DAMAGED DURING CONSTRUCTION SHALL BE REPLACED AND/OR REPAIRED TO EXISTING CONDITION AFTER SEWER CONSTRUCTION.
5. ALL DRIVEWAY PAVEMENT DAMAGED DURING CONSTRUCTION SHALL BE REPLACED WITH LIKE MATERIALS AND EQUAL TO THE EXISTING CONDITION OR BETTER.
6. ALL DRIVEWAY PAVEMENT DAMAGED SHALL BE REPLACED BY BACKFILLING DAMAGED AREA WITH STONE TO THE TOP OF THE EXISTING BASE THEN PLACING A MINIMUM OF 3.5 INCHES OF ASPHALT BINDER COURSE AND 1.5 INCHES OF ASPHALTIC CONCRETE AS THE WEARING SURFACE.
7. EXISTING UTILITIES SHOWN ON PLANS ARE APPROXIMATE LOCATIONS. THE CONTRACTOR SHALL NOTIFY THE OWNERS OF EACH UTILITY PRIOR TO CONSTRUCTION IN THE AREA AND REQUEST EXACT HORIZONTAL AND VERTICAL LOCATIONS.
8. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY PROTECTIVE MEASURES TO SAFEGUARD EXISTING UTILITIES FROM DAMAGE DURING CONSTRUCTION OF THIS PROJECT. SHOULD SPECIAL EQUIPMENT BE REQUIRED TO WORK OVER AND AROUND THE UTILITIES, THE CONTRACTOR SHALL BE REQUIRED TO FURNISH SUCH EQUIPMENT.
9. ANY EXISTING STORM DRAINAGE PIPING DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED AS RAPIDLY AS POSSIBLE AND THEN BE INSPECTED BY ITS RESPECTIVE OWNER.

GRADING AND EXCAVATION:

1. WHEN SPECIFIC GRADING REQUIREMENTS ARE NOT SHOWN ON THE DRAWINGS, THE CONTRACTOR SHALL GRADE ALL AREAS WITHIN THE LIMITS OF CONSTRUCTION, OR OTHERWISE DISTURBED BY CONSTRUCTION, TO DRAIN AND MATCH THE EXISTING, ADJACENT GROUND
2. THE CONTRACTOR SHALL PERFORM ALL NECESSARY STRIPPING OF EXISTING TOPSOIL ON THE JOBSITE.
3. ON THE PROJECT, NEWLY GRADED EARTH AREAS NOT TO BE PAVED, RIP-RAPPED, OR STABILIZED SHALL BE SEEDED IN ACCORDANCE WITH THE SPECIFICATIONS. PRIOR TO SEEDING, A FOUR INCH LAYER OF TOPSOIL SHALL BE PLACED ON THESE AREAS.
4. THE CONTRACTOR IS TO DISPOSE OF, AT HIS OWN EXPENSE, ALL UNSUITABLE AND/OR SURPLUS, EXCAVATED MATERIAL.
5. ALL TREES THAT ARE CUT OR KNOCKED DOWN WITHIN THE LIMITS OF CONSTRUCTION ARE TO BE REMOVED AND DISPOSED OF OFF-SITE AT THE CONTRACTORS EXPENSE. BURNING IS NOT PERMITTED.
6. BACKFILLING, COMPACTING, GRADING, AND SITE-CLEANUP SHALL OCCUR DAILY
7. ADDITIONAL FILL REQUIRED TO BRING FINISHED GRADE TO ELEVATIONS NOTED SHALL BE FROM OFF-SITE. FILL SOIL MUST MEET REQUIREMENTS PROVIDED IN GEOTECHNICAL REPORT AND SPECIFICATIONS ATTACHED.
8. EXCAVATIONS ON SITE SHALL INCLUDE THE DEMO & REMOVAL OF ALL EXISTING STRUCTURES TO INCLUDE EXISTING UTILITIES, BUILDINGS, BASEMENTS, FOUNDATIONS AND UNSUITABLE SOILS. EXPOSED SUBGRADE SHALL BE APPROVED BY ENGINEER PRIOR TO PLACEMENT OF SOIL FILL OR CONCRETE.

MISCELLANEOUS:

1. THE CITY OF MAYNARDVILLE SHALL HAVE THE AUTHORITY TO DESIGNATE AND/OR LIMIT AREAS OF CONSTRUCTION.
2. THE CITY OF MAYNARDVILLE MAKES NO REPRESENTATIONS ABOUT SUBSURFACE CONDITIONS THAT MAY BE ENCOUNTERED WITHIN THE LIMITS OF THE PROJECT. THE CONTRACTOR SHOULD SATISFY HIMSELF BY ON-SITE INSPECTIONS, CORE DRILLINGS, OR OTHER METHODS, OF THE SUBSURFACE CONDITIONS THAT MAY BE ENCOUNTERED. THE RISK OF ENCOUNTERING AND CORRECTING UNFAVORABLE SUBSURFACE CONDITIONS SHALL BE BORNE SOLELY BY THE CONTRACTOR.
3. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE ALL FIELD LAYOUTS.
4. THE CONTRACTOR SHALL PROVIDE BENCH MARKS. SHOULD A BENCH MARK BE DAMAGED OR DESTROYED, THE CITY OF MAYNARDVILLE IS TO BE NOTIFIED.
5. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING AT HIS OWN EXPENSE ANY AND ALL DAMAGE THAT MAY OCCUR OUTSIDE THE LIMITS OF THIS PROJECT AS A RESULT OF CONSTRUCTION.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PAYMENT FOR TESTING OF SOILS AND CONCRETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING AND ORDERING APPROPRIATE TESTS AS REQUIRED.
7. THE CONTRACTOR SHALL PROVIDE RECORD DRAWINGS OF THE PROJECT WITHIN THIRTY (30) DAYS AFTER SUBSTANTIAL COMPLETION OF THE WORK. ("SUBSTANTIAL COMPLETION" SHALL BE DEFINED BY THE ENGINEER).
8. SHOULD THERE BE A CONFLICT BETWEEN THESE GENERAL NOTES, CONTRACT DRAWINGS, AND/OR SPECIFICATIONS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ANY CLARIFICATION OR INTERPRETATION, IN ADVANCE AND IN WRITING, FROM THE CITY OF MAYNARDVILLE.

SWPPP NOTES:

1) ALL EROSION PREVENTION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES IDENTIFIED IN THIS SWPPP WILL BE INSTALLED AS RECOMMENDED IN THE TENNESSEE EROSION AND SEDIMENT CONTROL HANDBOOK.

2) TOPSOIL WILL BE REMOVED AND EITHER TEMPORARILY STOCKPILED FOR LATER REDISTRIBUTION OR IMMEDIATELY UTILIZED FOR FINAL COVER. CLEARING AND GRUBBING WILL BE HELD TO THE MINIMUM NECESSARY FOR GRADING AND EQUIPMENT OPERATION. TOPSOIL PILES WILL BE TEMPORARILY SEEDED.

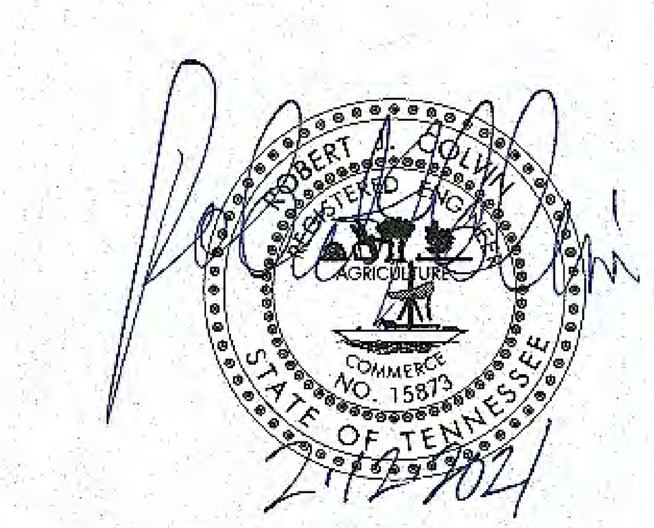
3) SEDIMENT WILL BE REMOVED FROM SILT FENCE, ROCK CHECK DAMS, HAY BALE TRAPS, AND TEMPORARY SEDIMENT TRAPS BEFORE THE DESIGN CAPACITY OF THE STRUCTURE HAS BEEN REDUCED BY 50%. LITTER, CONSTRUCTION DEBRIS, AND CONSTRUCTION CHEMICALS EXPOSED TO STORM WATER WILL BE PICKED UP PRIOR TO ANTICIPATED STORM EVENTS, OR OTHERWISE PREVENTED FROM BECOMING A POLLUTANT SOURCE FOR STORM WATER DISCHARGES. AFTER USE, SILT FENCES WILL BE REMOVED TO PREVENT THEM FROM BECOMING A POLLUTANT SOURCE FOR STORM WATER DISCHARGES. TEMPORARY MEASURES MAY BE REMOVED AT THE BEGINNING OF THE WORKDAY, BUT WILL BE REPLACED AT THE END OF THE WORKDAY

4) IN ACCORDANCE WITH THE TNCPG, INSPECTIONS WILL BE PERFORMED BY QUALIFIED PERSONNEL AT LEAST TWICE EVERY CALENDAR WEEK. INSPECTIONS WILL BE AT LEAST 72 HOURS APART. INSPECTIONS WILL INCLUDE DISTURBED AREAS OF THE CONSTRUCTION SITE, AREAS USED FOR STORAGE OF MATERIALS EXPOSED TO PRECIPITATION, STRUCTURAL CONTROL MEASURES, LOCATIONS WHERE VEHICLES ENTER AND EXIST THE SITE, AND EACH OUTFALL POINT. BASED ON INSPECTION RESULTS, MODIFICATIONS OR REPAIRS TO EXISTING CONTROL MEASURES WILL BE MADE BEFORE THE NEXT RAIN EVENT IF POSSIBLE, BUT WITHIN 7 DAYS AFTER THE NEED IS IDENTIFIED. INSPECTION DOCUMENTS WILL BE MAINTAINED ON SITE AND MADE AVAILABLE UPON REQUEST.

5) STABILIZATION WILL BE ACCOMPLISHED AS SOON AS PRACTICABLE AFTER ATTAINMENT OF FINAL GRADE AND NO LATER THAN SEVEN DAYS AFTER ATTAINING FINAL GRADE. WHERE EARTH-DISTURBING ACTIVITY HAS TEMPORARILY CEASED, TEMPORARY STABILIZATION WILL BE APPLIED WITHIN SEVEN DAYS IF THE ACTIVITY WILL NOT RESUME WITHIN 15 DAYS. THE DATES WHEN MAJOR GRADING ACTIVITIES OCCUR, THE DATES WHEN CONSTRUCTION ACTIVITIES TEMPORARILY OR PERMANENTLY CEASE ON A PORTION OF THE SITE, AND THE DATES WHEN STABILIZATION MEASURES ARE INITIATED WILL BE RECORDED AND MAINTAINED ON THE SITE. STABILIZATION METHODS MAY INCLUDE SEED AND MULCH, OR SEED AND EROSION CONTROL BLANKETS.

LEGEND

Symbol	Description
EIP	EXISTING IRON PIN
IPS	IRON PIN SET
GV	EX GAS VALVE
WM	EX WATER METER
	EX MANHOLE
	EX LIGHT POLE
	EX GROUND LIGHT
	EX SIGN FOM FIBER OPTIC MARKER TM TELEPHONE MARKER PM POWER MARKER GM GAS MARKER
WV OR	EX WATER VALVE
FH	EX FIRE HYDRANT
	EX CATCH BASIN
P/T	EX POWER/TELEPHONE
	EX GUY WIRE
	BENCH MARK
	EX LIGHT POLE
MB	EX MAIL BOX
×	EX FENCE POST
×MFP	EX METAL FENCE POST
×WFP	EX WOOD FENCE POST
	EX DECIDUOUS TREE
	EX EVERGREEN TREE
	EX SHRUB
	HOSE BIBB
	NEW AIR RELEASE VALVE
	NEW BLOW OFF VALVE
	NEW FIRE HYDRANT
	NEW GATE VALVE
M	NEW SERVICE METER
	NEW MANHOLE
CO	NEW SEWER CLEAN OUT
LS	LANDSCAPPING



NO.	DATE	DESCRIPTION	BY	CKD.

REVISIONS

RGC&A

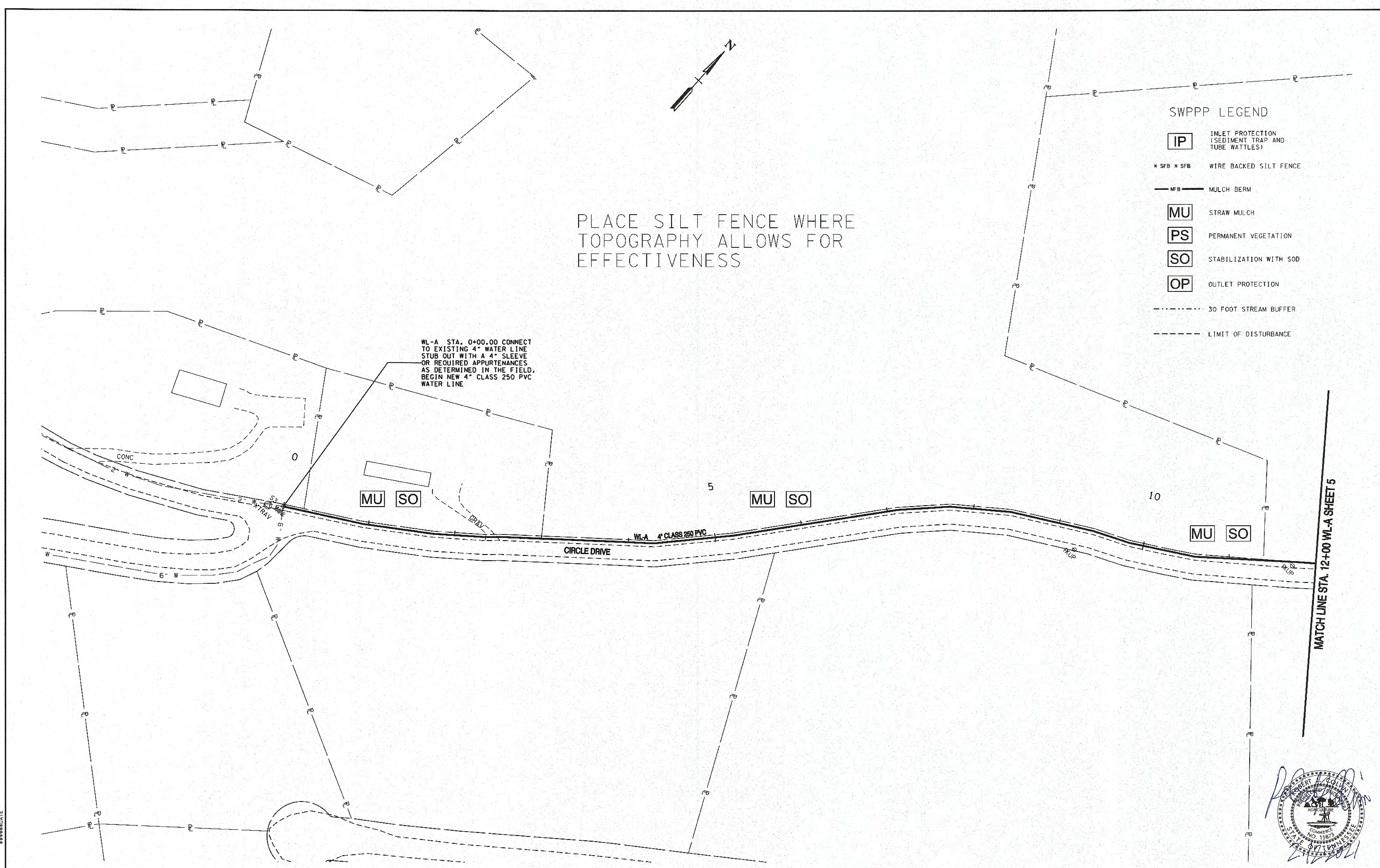
ROBERT G. CAMPBELL & ASSOC., L.P.
CONSULTING ENGINEERS
KNOXVILLE, TENNESSEE

CITY OF MAYNARDVILLE
UNION COUNTY, TENNESSEE

SWPPP
NOTES / DETAILS

DESIGNED BY	CHECKED BY	SCALE	SHEET
JLD	RJC	1" = 50'	NO. 3
DRAWN BY	DATE	FILE NO.	
JER	FEB. 12, 2021	20009	OF 19 SHEETS

$$$$DGNSPEC$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$
$$$$TIME$$$$$$$$ $$$$$$DATE



NO.	DATE	DESCRIPTION	BY	CKD.

REVISIONS

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CITY OF MAYNARDVILLE
UNION COUNTY, TENNESSEE

SWPPP
AREA 1 - CIRCLE DRIVE

DESIGNED BY	CHECKED BY	SCALE	SHEET
JLD	RJC	1" = 50'	NO. 4
DRAWN BY	DATE	FILE NO.	
JER	FEB. 12, 2021	20009	OF 19 SHEETS

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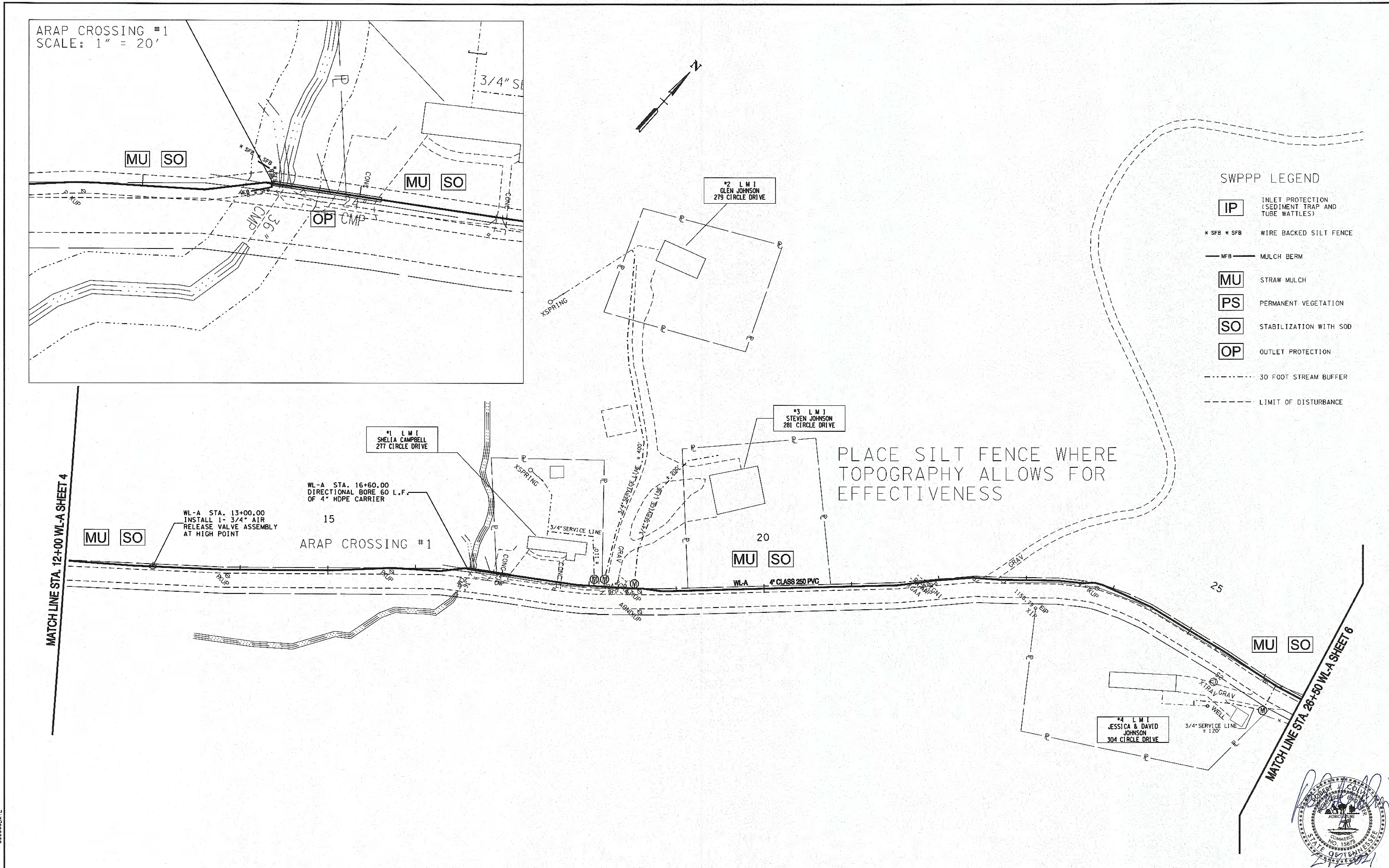
$$$$TIME$$$$$$$$ $$$$$$DATE



NO.	DATE	DESCRIPTION	BY	CKD.

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CITY OF MAYNARDVILLE
UNION COUNTY, TENNESSEE

SWPPP
AREA 1 - CIRCLE DRIVE

DESIGNED BY	CHECKED BY	SCALE
JLD	RJC	1" = 50'
DRAWN BY	DATE	FILE NO.
JER	FEB. 12, 2021	20009

SHEET NO. 5 OF 19 SHEETS

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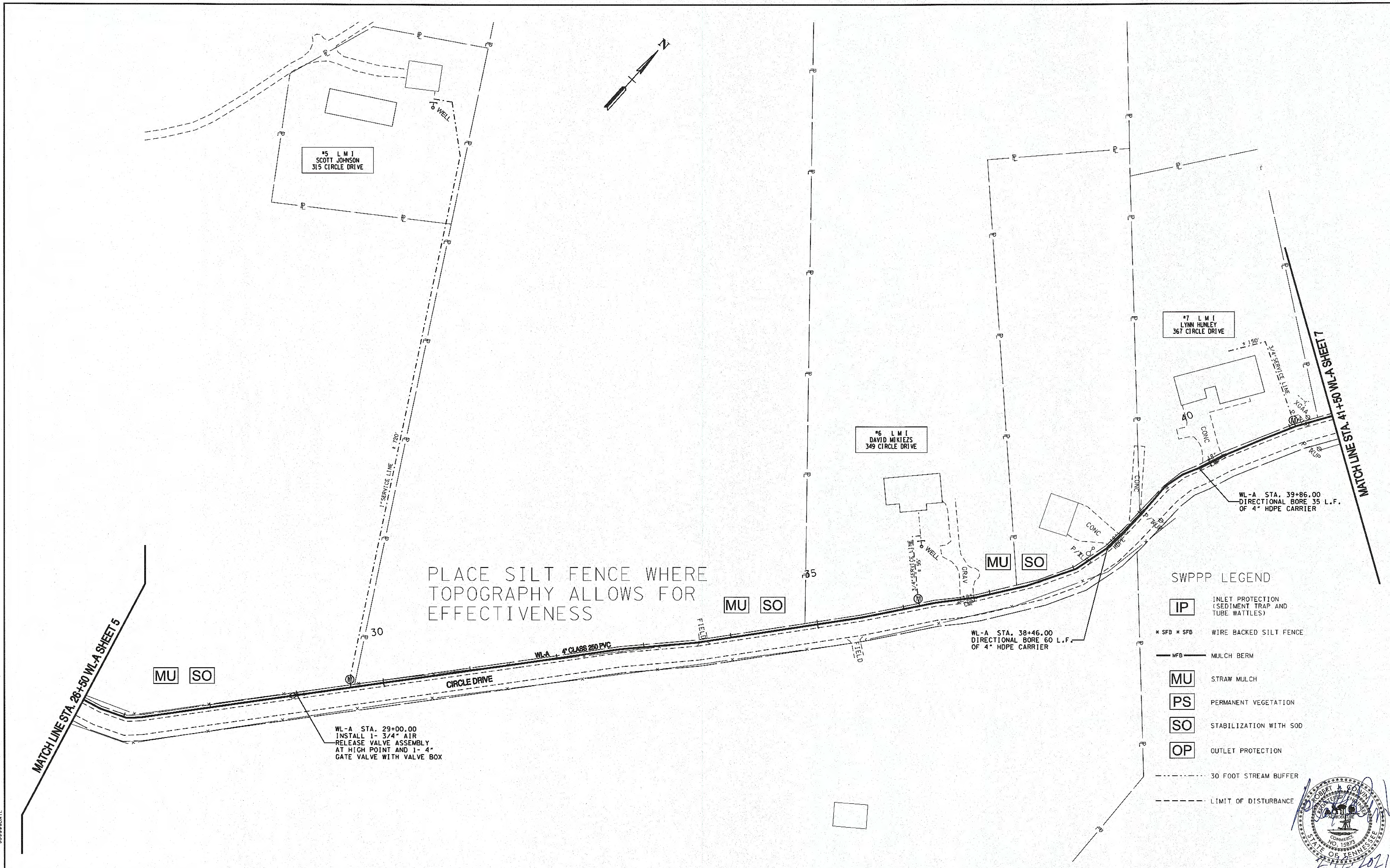
$$$$TIME$$$$$$$ $$$$$$DATE



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KNOXVILLE, TENNESSEE

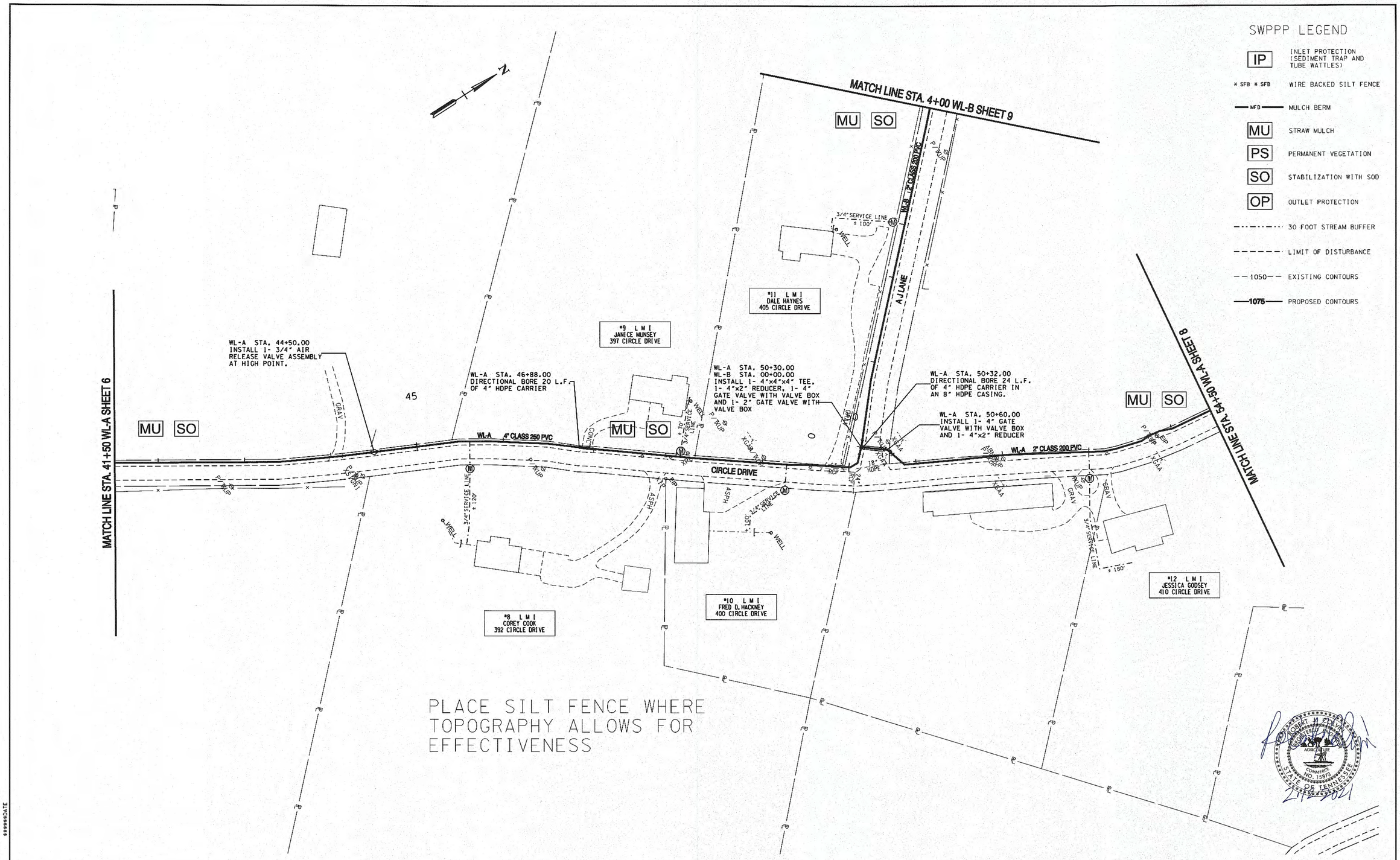
CITY OF MAYNARDVILLE
UNION COUNTY, TENNESSEE

SWPPP
AREA 1 - CIRCLE DRIVE

DESIGNED BY	CHECKED BY	SCALE
JLD	RJC	1" = 50'
DRAWN BY	DATE	FILE NO.
JER	FEB. 12, 2021	20009

SHEET NO. 6 OF 19 SHEETS

$$$$DGNSPEC$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$
$$$$TIME$$$$$$$$ $$$$$$DATE



NO.	DATE	DESCRIPTION	BY	CKD.
		REVISIONS		

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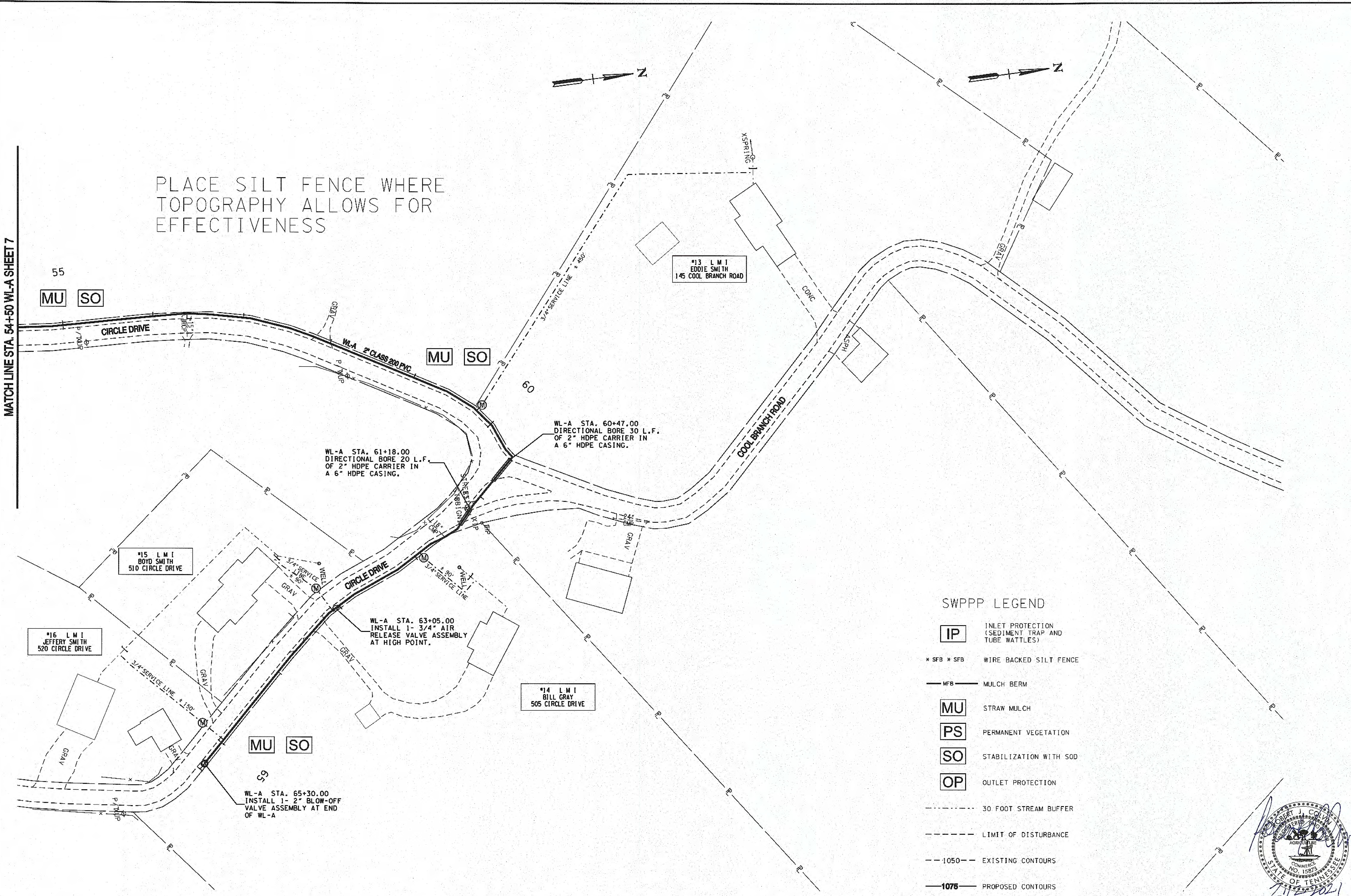
SWPPP
AREA 1 - CIRCLE DRIVE

DESIGNED BY	CHECKED BY	SCALE	SHEET NO.
JLD	RJC	1" = 50'	7
DRAWN BY	DATE	FILE NO.	OF 19 SHEETS
JER	FEB. 12, 2021	20009	

**********CONSPEC**********
**********DATE**********
**********TIMES**********



NO.	DATE	DESCRIPTION	BY	CKD.

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CITY OF MAYNARDVILLE
UNION COUNTY, TENNESSEE

SWPPP
AREA 1 - CIRCLE DRIVE

DESIGNED BY	CHECKED BY	SCALE	SHEET
JLD	RJC	1" = 50'	NO. 8
DRAWN BY	DATE	FILE NO.	
JER	FEB. 12, 2021	20009	OF 19 SHEETS

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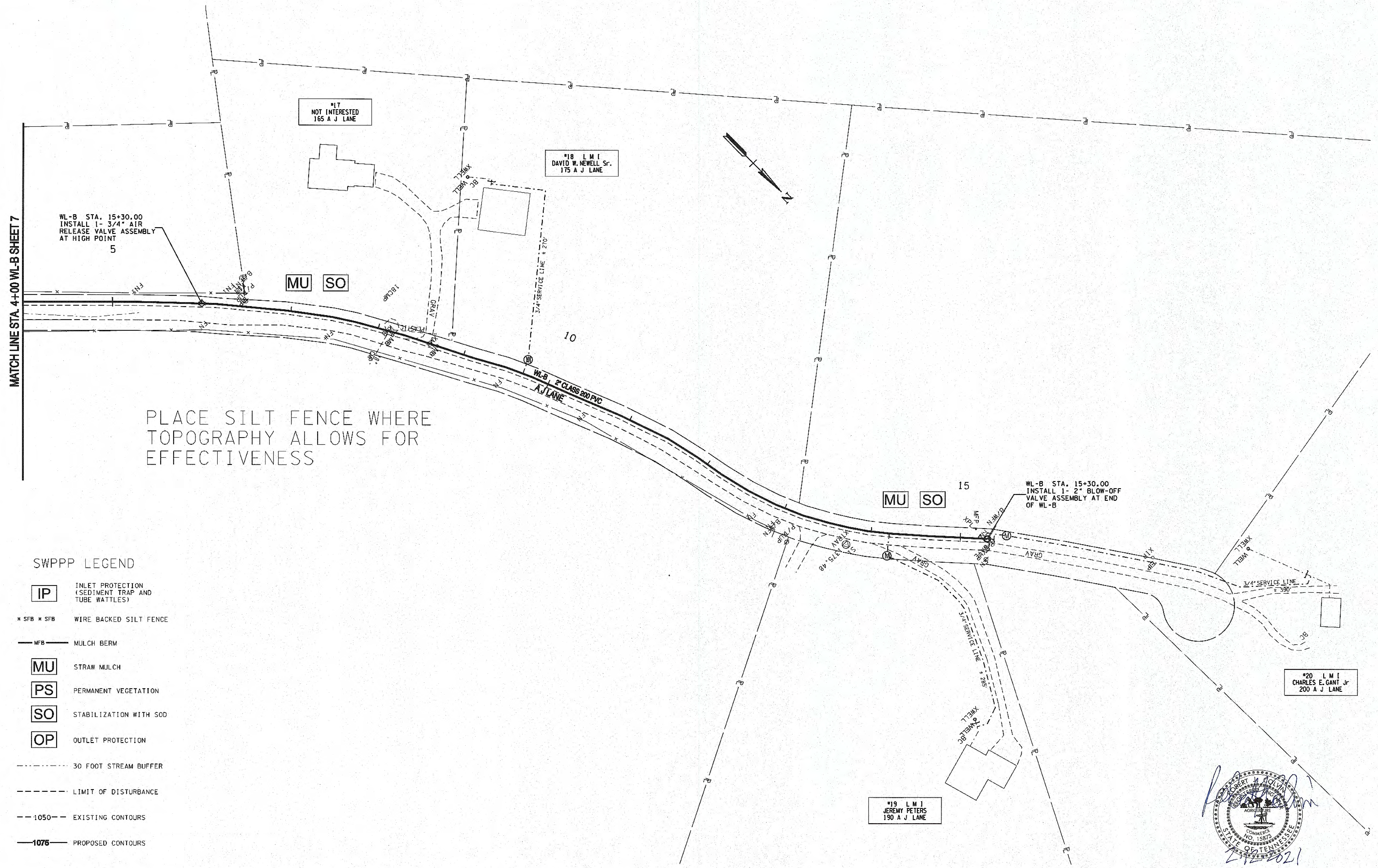
$$$$TIME$$$$$$$ $$$$$$DATE



SWPPP LEGEND

IP	INLET PROTECTION (SEDIMENT TRAP AND TUBE WATTLES)
× SFB × SFB	WIRE BACKED SILT FENCE
—— MFB ——	MULCH BERM
MU	STRAW MULCH
PS	PERMANENT VEGETATION
SO	STABILIZATION WITH SOD
OP	OUTLET PROTECTION
—·—·—·—	30 FOOT STREAM BUFFER
— — — —	LIMIT OF DISTURBANCE
— — 1050 — —	EXISTING CONTOURS
—— 1075 ——	PROPOSED CONTOURS

$$$$DGNSPEC$$$$$$$$$$$$$$$$$$$$$$$$$$$$
$$$$TIME$$$$$$$$ $$$$$$DATE

NO.	DATE	DESCRIPTION	BY	CKD.
		REVISIONS		

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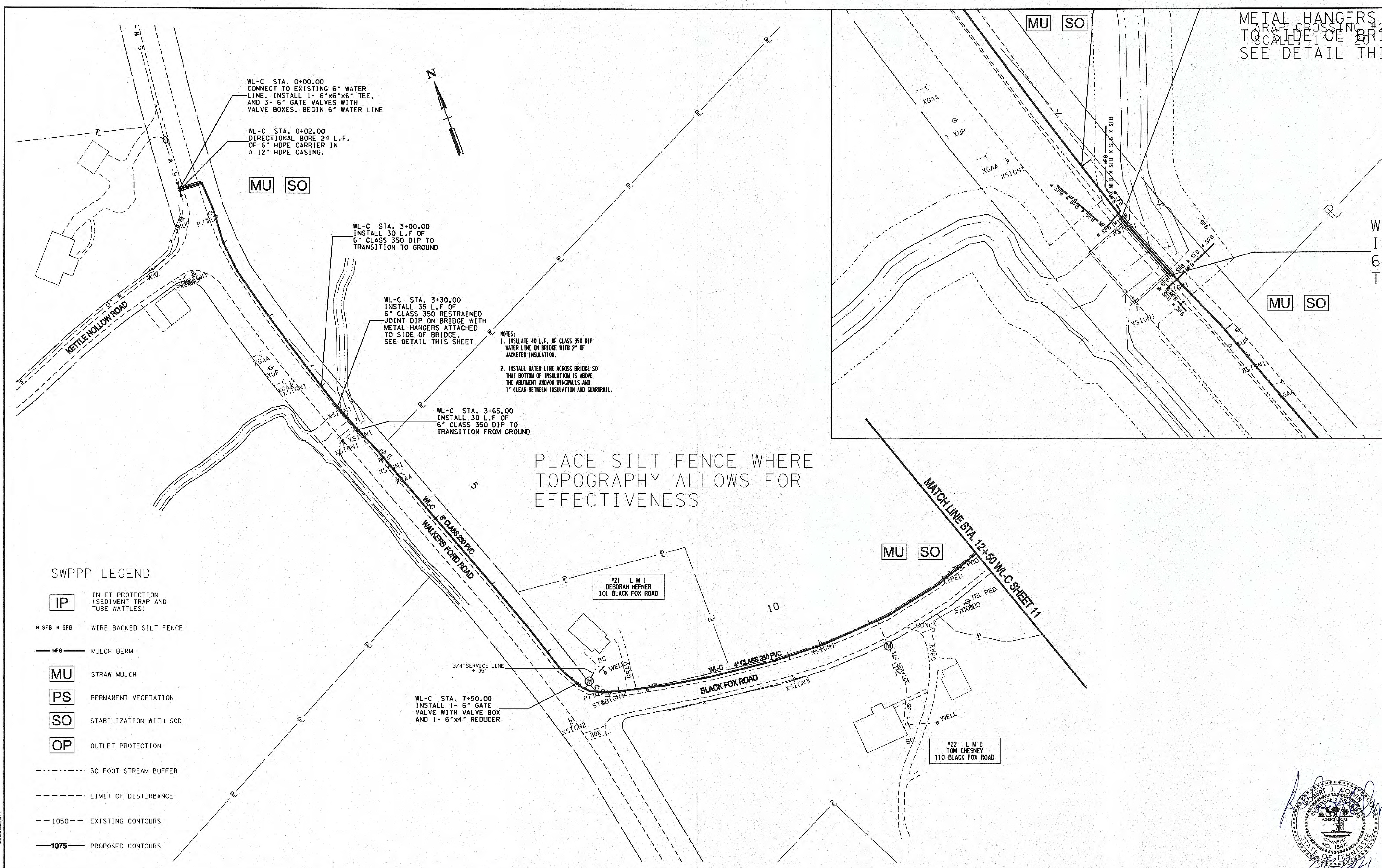
CITY OF MAYNARDVILLE
UNION COUNTY, TENNESSEE

SWPPP
AREA 1 - CIRCLE DRIVE

DESIGNED BY	CHECKED BY	SCALE
JLD	RJC	1" = 50'
DRAWN BY	DATE	FILE NO.
JER	FEB. 12, 2021	20009

SHEET NO. 9 OF 19 SHEETS



NO.	DATE	DESCRIPTION	BY	CKD.

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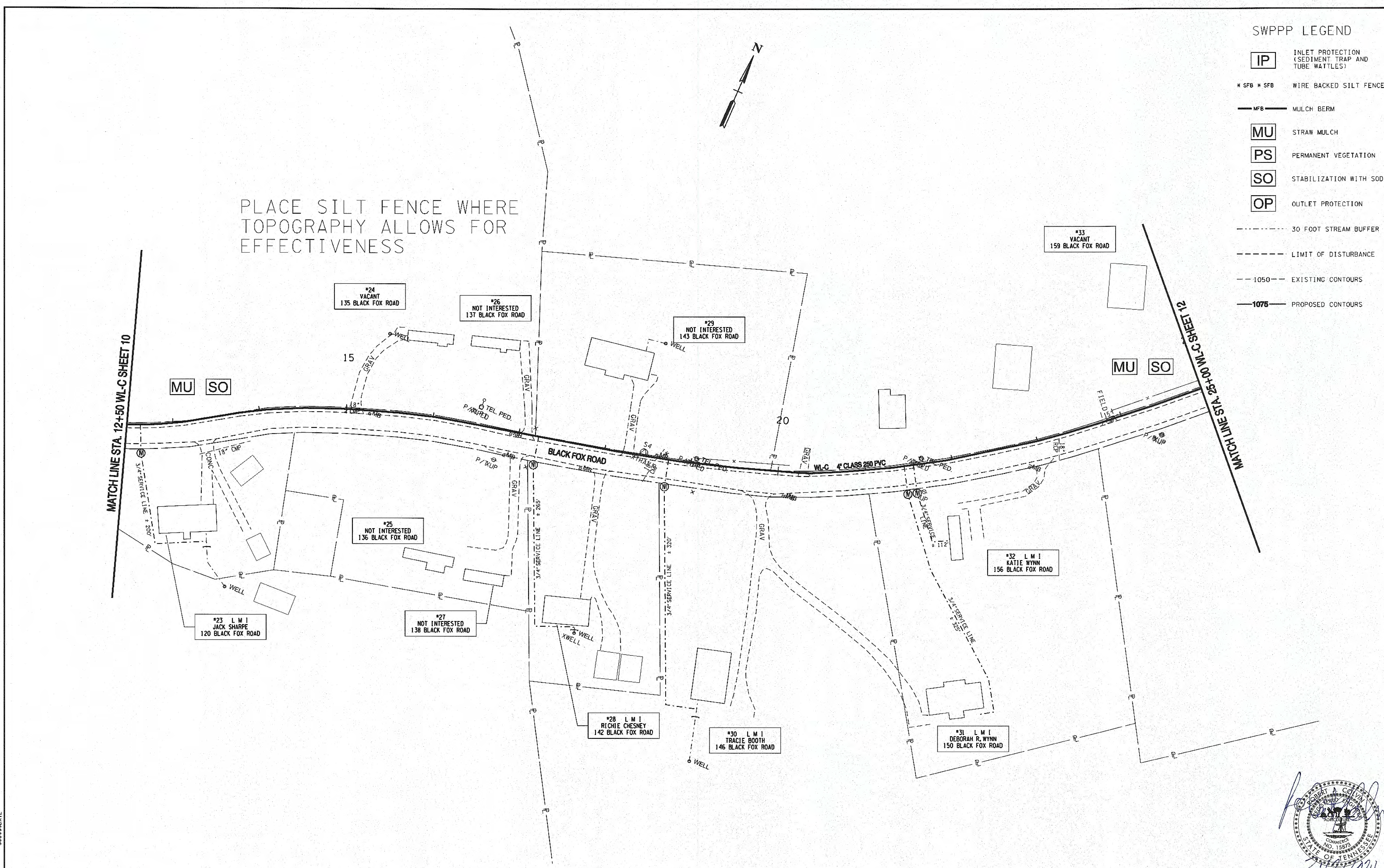
CITY OF MAYNARDVILLE
UNION COUNTY, TENNESSEE

SWPPP
AREA 2 - BLACK FOX ROAD

DESIGNED BY	CHECKED BY	SCALE
JLD	RJC	1" = 50'
DRAWN BY	DATE	FILE NO.
JER	FEB. 12, 2021	20009

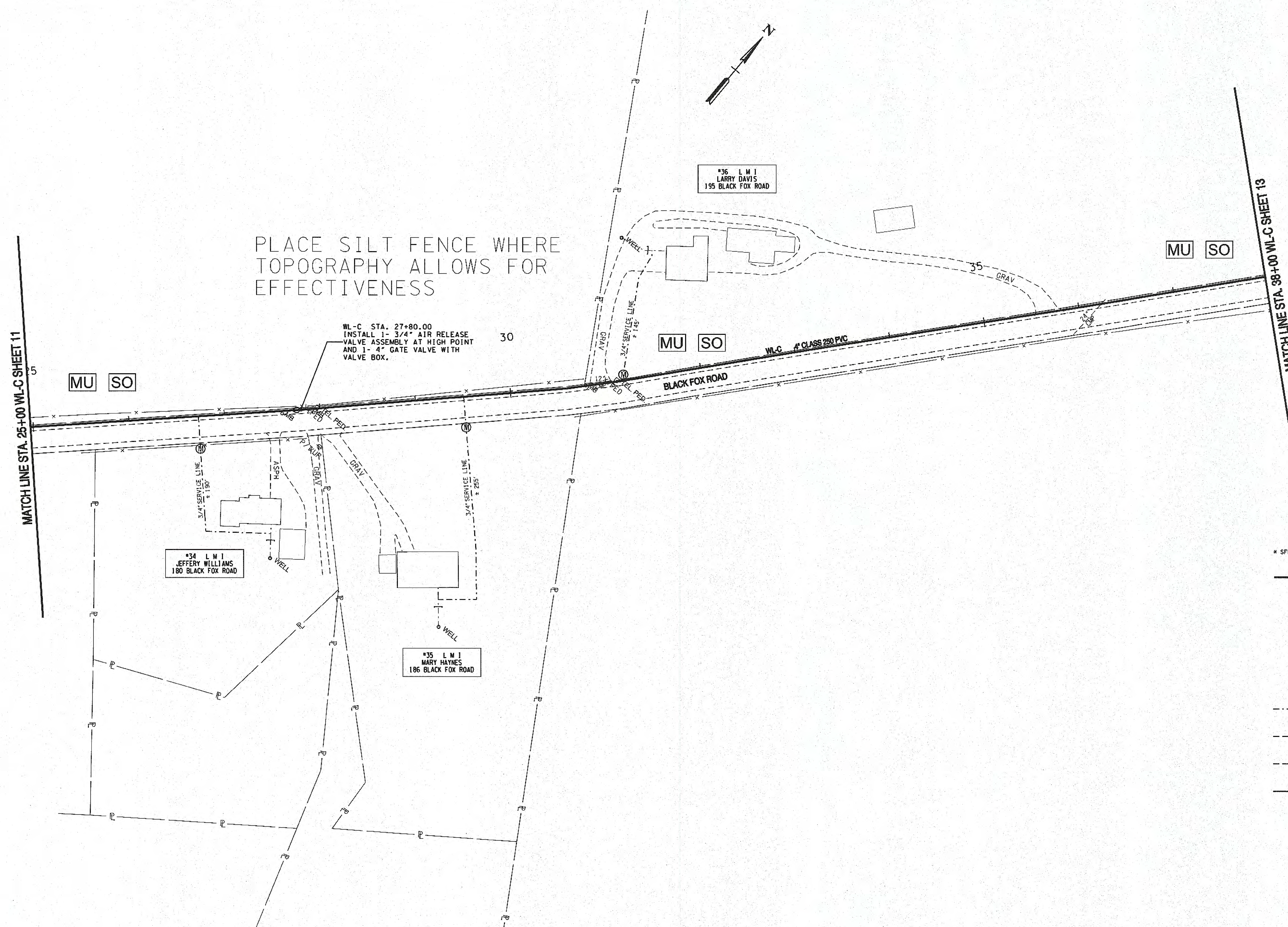
SHEET NO. 10 OF 19 SHEETS



NO.	DATE	DESCRIPTION	BY	CKD.
REVISIONS				

ROBERT G. CAMPBELL & ASSOC., L.P. CONSULTING ENGINEERS KNOXVILLE, TENNESSEE	CITY OF MAYNARDVILLE UNION COUNTY, TENNESSEE	SWPPP AREA 2 - BLACK FOX ROAD	DESIGNED BY JLD	CHECKED BY RJC	SCALE 1" = 50'	SHEET NO. 11
			DRAWN BY JER	DATE FEB. 12, 2021	FILE NO. 20009	OF 19 SHEETS

$$$$DGNSPEC$$$$ $$$$TIME$$$$ $$$$DATE



SWPPP LEGEND

IP	INLET PROTECTION (SEDIMENT TRAP AND TUBE WATTLES)
* SFB * SFB	WIRE BACKED SILT FENCE
—— MFB ——	MULCH BERM
MU	STRAW MULCH
PS	PERMANENT VEGETATION
SO	STABILIZATION WITH SOD
OP	OUTLET PROTECTION
— · · — · · —	30 FOOT STREAM BUFFER
— — — — — —	LIMIT OF DISTURBANCE
— — 1050 — —	EXISTING CONTOURS
—— 1075 ——	PROPOSED CONTOURS

ROBERT J. COLVIN REGISTERED ENGINEER AGRICULTURE COMMERCE NO. 15873 STATE OF TENNESSEE
2/12/2021

$$$$DGNSPEC$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$
$$$$TIME$$$$$$$ $$$$$$DATE

NO.	DATE	DESCRIPTION	BY	CKD.
REVISIONS				

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CITY OF MAYNARDVILLE
UNION COUNTY, TENNESSEE

SWPPP
AREA 2 - BLACK FOX ROAD

DESIGNED BY	CHECKED BY	SCALE
JLD	RJC	1" = 50'
DRAWN BY	DATE	FILE NO.
JER	FEB. 12, 2021	20009

SHEET NO. 12 OF 19 SHEETS

PLACE SILT FENCE WHERE TOPOGRAPHY ALLOWS FOR EFFECTIVENESS

#37 L M I
JOSEPH DAVIS
227 BLACK FOX ROAD

#38 L M I
JENNIFER SIZEMORE
239 BLACK FOX ROAD

#39 L M I
EDDIE RAY MUNCEY
240 BLACK FOX ROAD

JOE DAVIS ROAD

BLACK FOX ROAD

WL-C STA. 41+40.00
INSTALL 1- 3/4" AIR RELEASE VALVE ASSEMBLY AT HIGH POINT.

WL-C STA. 44+43.46
INSTALL 4" WATER LINE OVER 36" CMP

WL-C STA. 45+03.00
DIRECTIONAL BORE 20 L.F. OF 4" HDPE CARRIER IN AN 8" HDPE CASING.

WL-C STA. 45+25.40
INSTALL 1- 4"x4"x4" TEE, 3- 4" GATE VALVES WITH VALVE BOXES AND 1- 4" CAP AND/OR PLUG

WL-C 4" CLASS 250 PVC

± 160' 3/4" SERVICE LINE

± 315' 3/4" SERVICE LINE

36" CMP

MATCH LINE STA. 38+00 WL-C SHEET 12

MATCH LINE STA. 51+00 WL-C SHEET 14

MU SO

SWPPP LEGEND

IP	INLET PROTECTION (SEDIMENT TRAP AND TUBE WATTLES)
* SFB * SFB	WIRE BACKED SILT FENCE
MFB	MULCH BERM
MU	STRAW MULCH
PS	PERMANENT VEGETATION
SO	STABILIZATION WITH SOD
OP	OUTLET PROTECTION
	30 FOOT STREAM BUFFER
	LIMIT OF DISTURBANCE
1050	EXISTING CONTOURS
1075	PROPOSED CONTOURS

44+43.46
WATER LINE
IP

ARAP CROSSING #3
SCALE: 1" = 20'

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KNOXVILLE, TENNESSEE

CITY OF MAYNARDVILLE
UNION COUNTY, TENNESSEE

SWPPP
AREA 2 - BLACK FOX ROAD

NO.	DATE	DESCRIPTION	BY	CKD.
		REVISIONS		

DESIGNED BY	CHECKED BY	SCALE	SHEET NO.
JLD	RJC	1" = 50'	13
DRAWN BY	DATE	FILE NO.	OF 19 SHEETS
JER	FEB. 12, 2021	20009	

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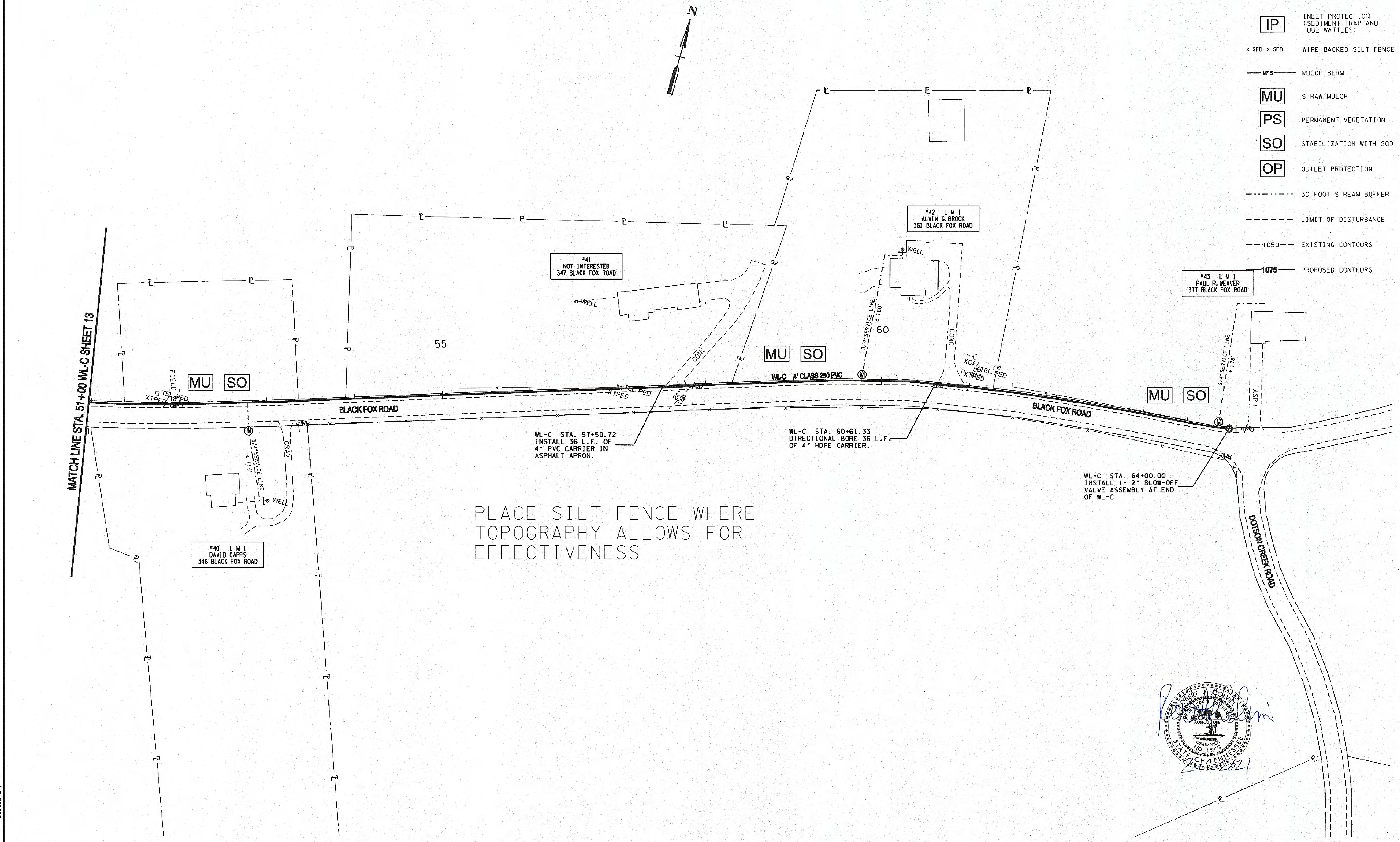

SWPPP LEGEND

IP	INLET PROTECTION (SEDIMENT TRAP AND TUBE WATTLES)
× SFB × SFB	WIRE BACKED SILT FENCE
—— MFB ——	MULCH BERM
MU	STRAW MULCH
PS	PERMANENT VEGETATION
SO	STABILIZATION WITH SOD
OP	OUTLET PROTECTION
—·—·—·—	30 FOOT STREAM BUFFER
— — — — —	LIMIT OF DISTURBANCE
— — 1050 — —	EXISTING CONTOURS
—— 1075 ——	PROPOSED CONTOURS

NO.	DATE	DESCRIPTION	BY	CKD.
		REVISIONS		

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KNOXVILLE, TENNESSEE

CITY OF MAYNARDVILLE
UNION COUNTY, TENNESSEE

SWPPP
AREA 2 - BLACK FOX ROAD

DESIGNED BY	CHECKED BY	SCALE	SHEET
JLD	RJC	1" = 50'	NO. 14
DRAWN BY	DATE	FILE NO.	
JER	FEB. 12, 2021	20009	OF 19 SHEETS

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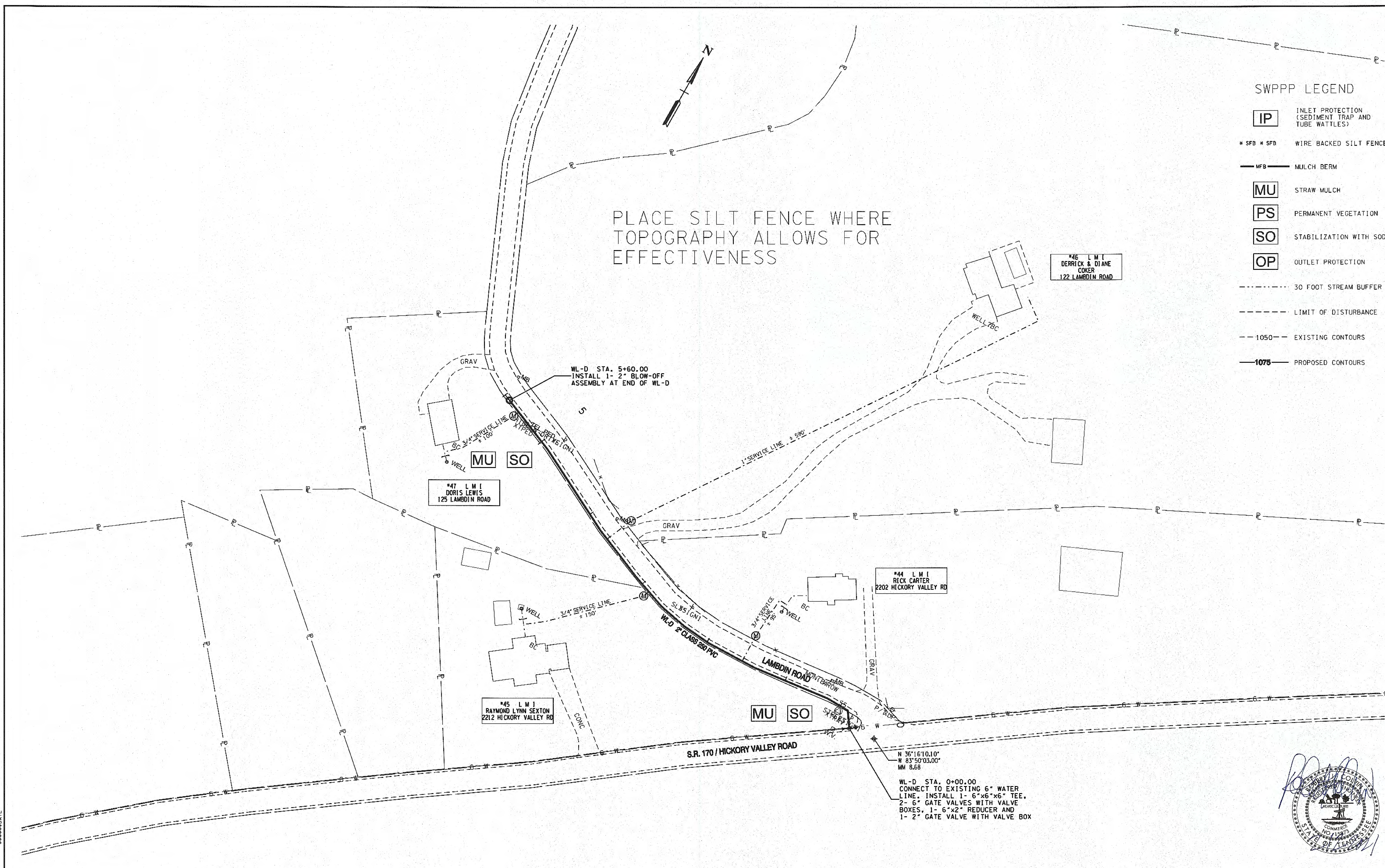
$$$$TIME$$$$$$$ $$$$$$DATE



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$$$$TIME$$$$$$$ $$$$$$DATE

NO.	DATE	DESCRIPTION	BY	CKD.

REVISIONS

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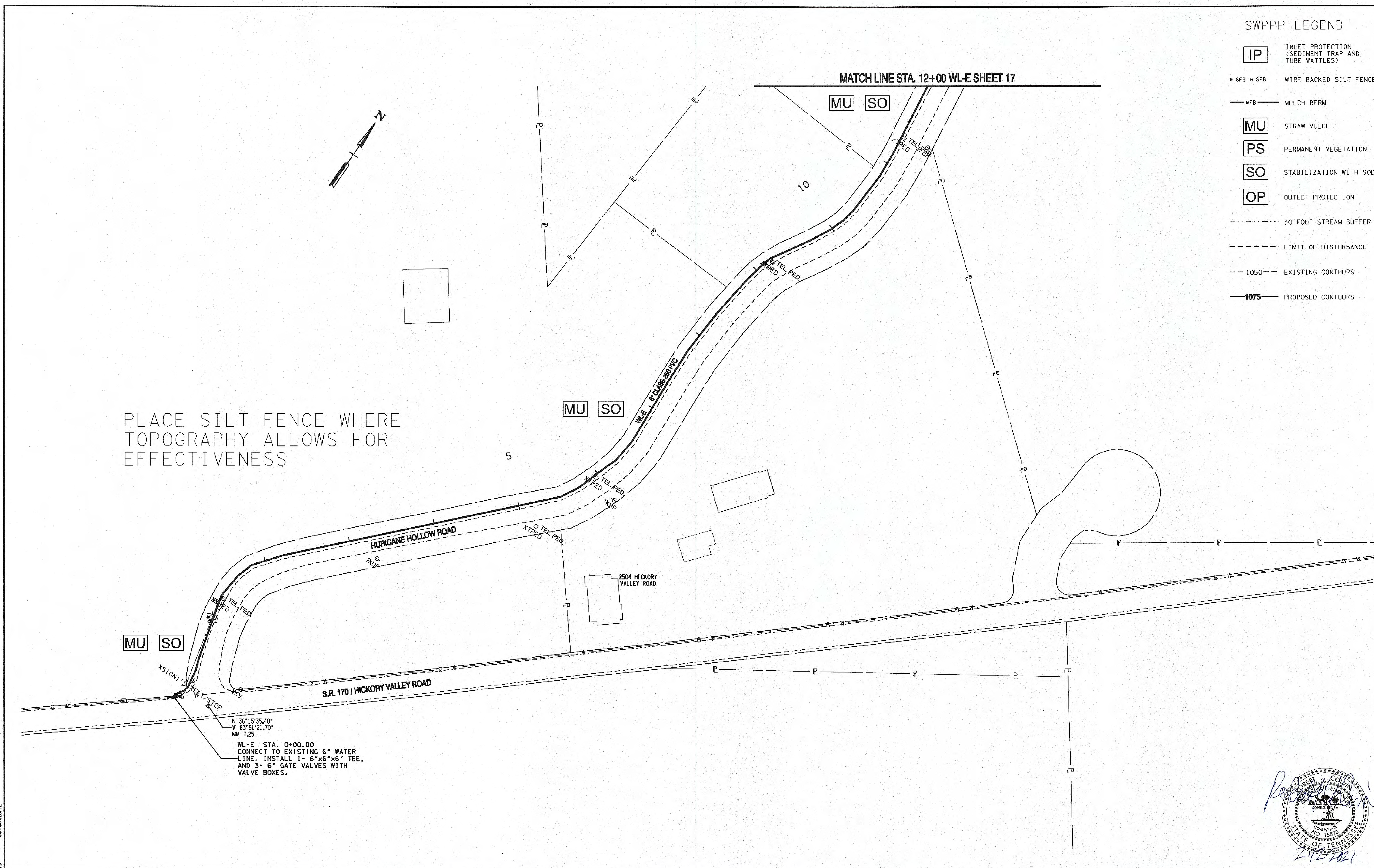
CITY OF MAYNARDVILLE
UNION COUNTY, TENNESSEE

SWPPP
AREA 3 - LAMBDIN ROAD

DESIGNED BY	CHECKED BY	SCALE	SHEET
JLD	RJC	1" = 50'	NO. 15
DRAWN BY	DATE	FILE NO.	
JER	FEB. 12, 2021	20009	OF 19 SHEETS



NO.	DATE	DESCRIPTION	BY	CKD.
		REVISIONS		

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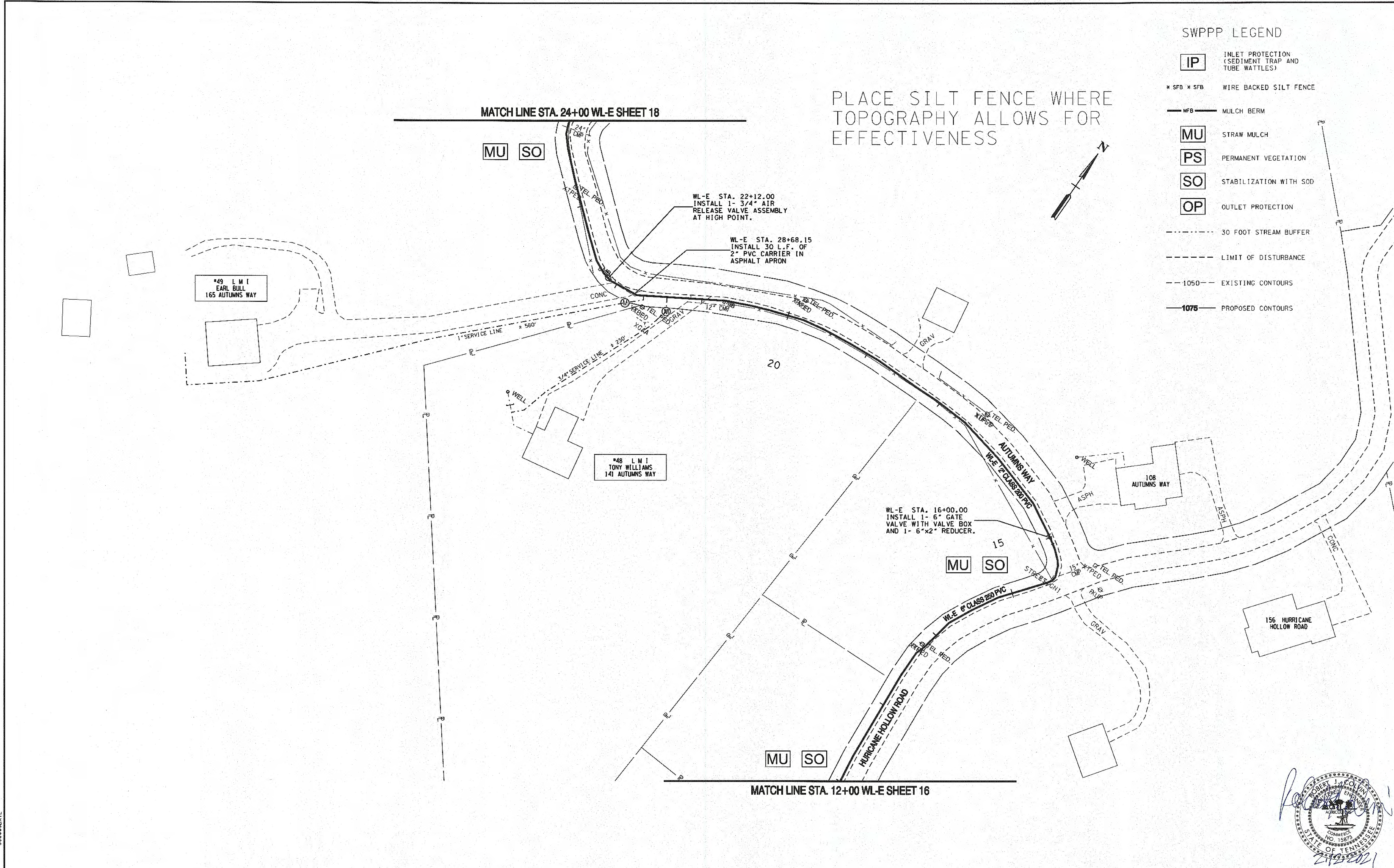
KNOXVILLE, TENNESSEE

CITY OF MAYNARDVILLE
UNION COUNTY, TENNESSEE

SWPPP
AREA 4 - AUTUMN'S WAY

DESIGNED BY	CHECKED BY	SCALE	SHEET
JLD	RJC	1" = 50'	NO. 16
DRAWN BY	DATE	FILE NO.	
JER	FEB. 12, 2021	20009	OF 19 SHEETS



NO.	DATE	DESCRIPTION	BY	CKD.

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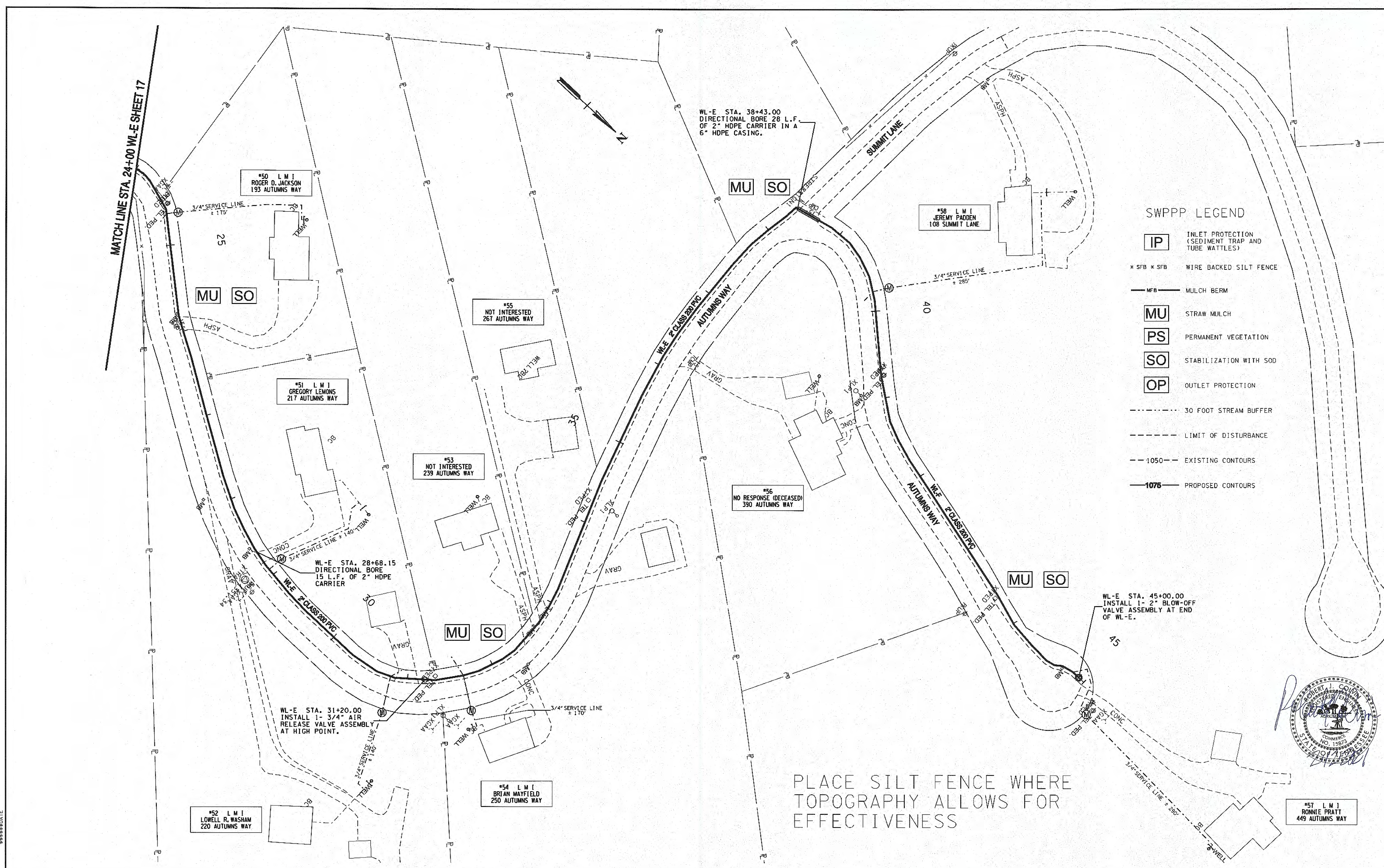
KNOXVILLE, TENNESSEE

CITY OF MAYNARDVILLE
UNION COUNTY, TENNESSEE

SWPPP
AREA 4 - AUTUMN'S WAY

DESIGNED BY	CHECKED BY	SCALE	SHEET
JLD	RJC	1" = 50'	NO. 17
DRAWN BY	DATE	FILE NO.	
JER	FEB. 12, 2021	20009	OF 19 SHEETS

$$$$DGNSPEC$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$
$$$$TIME$$$$$$$$ $$$$$$DATE



NO.	DATE	DESCRIPTION	BY	CKD.

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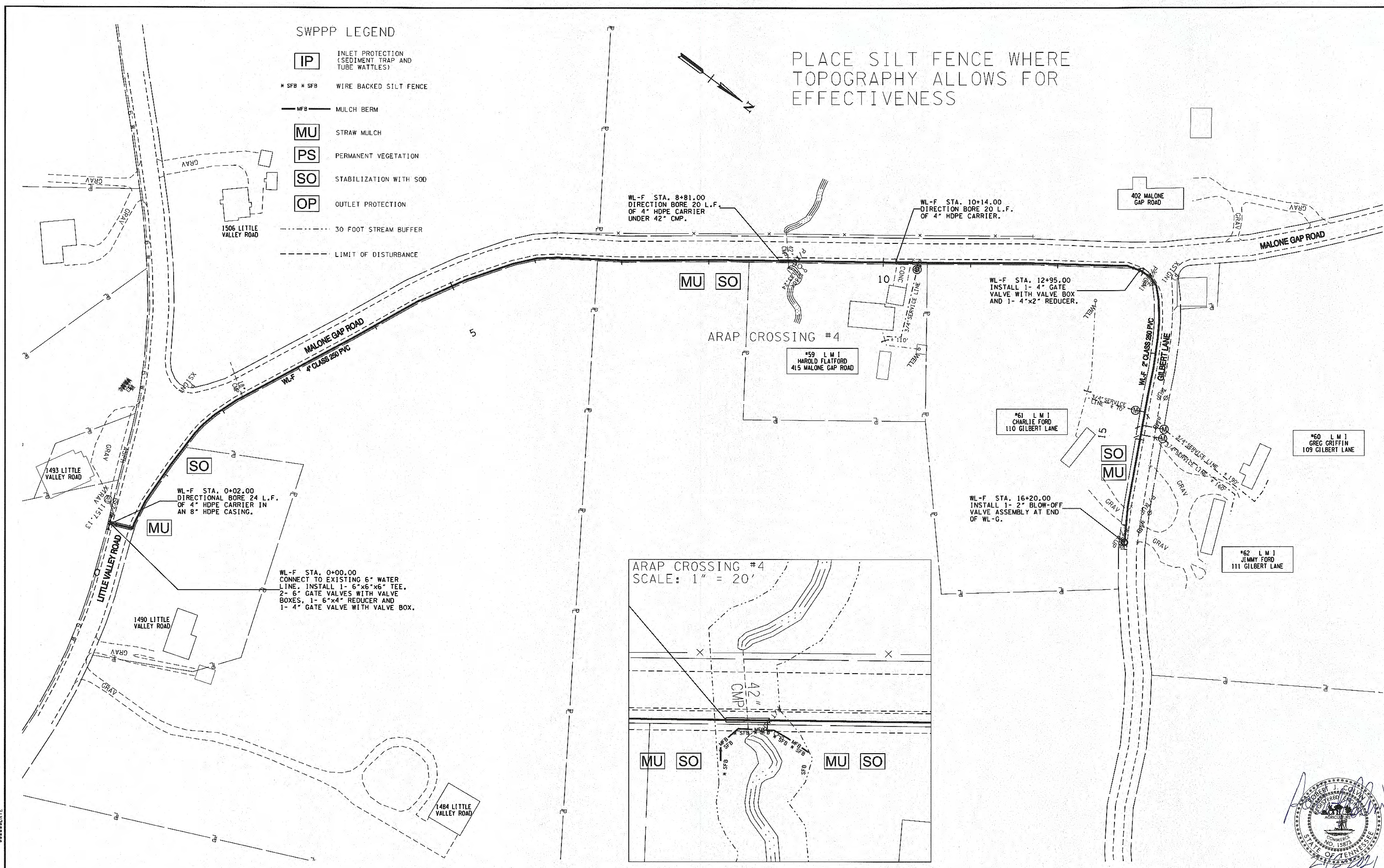
KNOXVILLE, TENNESSEE

CITY OF MAYNARDVILLE
UNION COUNTY, TENNESSEE

SWPPP
AREA 4 - AUTUMN'S WAY

DESIGNED BY	CHECKED BY	SCALE	SHEET
JLD	RJC	1" = 50'	NO. 18
DRAWN BY	DATE	FILE NO.	
JER	FEB. 12, 2021	20009	OF 19 SHEETS



ROBERT J. COLVIN REGISTERED ENGINEER AGRICULTURE COMMERCE NO. 15873 STATE OF TENNESSEE

2-12-2021

NO.	DATE	DESCRIPTION	BY	CKD.
		REVISIONS		

ROBERT G. CAMPBELL & ASSOC., L.P.
CONSULTING ENGINEERS
KNOXVILLE, TENNESSEE

CITY OF MAYNARDVILLE
UNION COUNTY, TENNESSEE

SWPPP
AREA 5 - MALONE GAP ROAD

DESIGNED BY	CHECKED BY	SCALE	SHEET
JLD	RJC	1" = 50'	NO. 19
DRAWN BY	DATE	FILE NO.	
JER	FEB. 12, 2021	20009	OF 19 SHEETS

$$$$DGNSPEC$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$
$$$$TIME$$$$$$$ $$$$$$DATE