



**TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION
ENVIRONMENTAL FIELD OFFICE**

**3711 Middlebrook Pike
Knoxville, TN 37921**

(865)594-6035 STATEWIDE 1-888-891-8332 (865)594-6105

Receipt: EAC-K-11191

Date of Receipt: 14-May-2021 9:00 am

Created By: Petey Roach (BG57034)

County: Knox

EFO/Office: Knoxville Field Office

Received From: Carolyn Karnes

Company/Affiliation: Robert G Campbell & Associate:

Recipient Address: 7523 Taggart Lane
KNOXVILLE, TN- 37938

Amount Received: \$750.00

Method of Payment: CHECK

Check Number: 37149

Comments: 21053- ARAP & NOI payment

Division	Description	TDEC Code	Quantity	Unit Price	Line Total
WPC	WPC-NOI \$250 Permit Application	43.340.F02	1	\$250.00	\$250.00
WPC	WPC-ARAP-\$500 Permit Application	43.340.F02	1	\$500.00	\$500.00

Receipt Total:

\$750.00

**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: Tellico Area Services System Water Line Extension		NPDES Tracking Number: TNR	
Street Address or Location: Howards Chapel, Gentry Lane, Old Citico Road and Tipton Lane		Construction Start Date: May 2021	
		Estimated End Date: May 2022	
Site Description: Construction of 14,270 linear feet of water line.		Latitude (dd.dddd): 35.540429	
		Longitude (-dd.dddd): -84.180174	
County(ies): Monroe	MS4 (if applicable): Monroe	Acres Disturbed: 3.28	
Check box if a SWPPP is attached: <input checked="" type="checkbox"/>	Check box if a site location map is attached: <input checked="" type="checkbox"/>	Total Acres: 3.28	
Check the appropriate box(s) if there are streams and/or wetlands on or adjacent to the construction site:		Streams <input checked="" type="checkbox"/>	Wetlands <input type="checkbox"/>
Has a jurisdictional determination been made by the USACE or EPA identifying waters of the United States?: Yes <input type="checkbox"/> No <input type="checkbox"/>		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: Tributaries of Little Tennessee River and Little Tennessee River			
Site Owner/Developer (Primary Permittee): (Provide person, company, or entity that has operational or design control over construction plans and specifications): Tellico Area Services System			
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) Mark Clinton		Title or Position: Superintendent	
Mailing Address: 505 Clearview Road		City: Maryville	State: TN Zip: 37801
Phone: (865) 884-6400	Fax: (865) 856-3533	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): Mark Clinton		Signature:	Date: 5-10-21
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:

CONSTRUCTION GENERAL PERMIT - NOTICE OF INTENT (NOI) - INSTRUCTIONS

A completed NOI must be submitted to obtain coverage under the CGP. **Requesting coverage under this permit means that an applicant has obtained and examined a copy of this permit, and thereby acknowledges applicant's claim of ability to be in compliance with permit terms and conditions.** CGP coverage is required for stormwater (SW) discharge(s) from construction activities including clearing, grading, filling and excavating (including borrow pits) of one or more acres of land. This form should be submitted at least 30 days prior to the commencement of land disturbing activities, or no later than 48 hours prior to when a new operator assumes operational control over site specifications or commences work at the site.

The application fee must accompany the NOI and is based on total acreage to be disturbed by an entire project, including any associated construction support activities (e.g., equipment staging yards, material storage areas, excavated material disposal areas, borrow or waste sites, etc.). A separate annual maintenance fee is also required for activities that exceed 1 year under CGP coverage. See TN Rules, Chapter 0400-40-11-.02(b)(12).

Acres Disturbed	= or > 150 acres	= or > 50 < 150 acres	= or > 20 < 50 acres	= or > 5 < 20 acres	= or > 1 < 5 acres	Subsequent coverage
Fee	\$10,000	\$6,000	\$3,000	\$1,000	\$250	\$100

Who must submit the NOI form? All site operators must submit an NOI form. "Operator" for the purpose of this permit and in the context of SW associated with construction activity means any person associated with a construction project who meets either or both of the following two criteria: (1) The person has operational or design control over construction plans and specifications, including the ability to make modifications to those plans and specifications. This person is typically the owner or developer of the project or a portion of the project (e.g., subsequent builder), or the person that is the current land owner of the construction site, and is considered the primary permittee; or (2) The person has day-to-day operational control of those activities at a project which are necessary to ensure compliance with a SWPPP for the site or other permit conditions. This person is typically a contractor or a commercial builder who is hired by the primary permittee, and is considered a secondary permittee.

Owners, developers and all contractors that meet the definition of the operator in subsection 2.2 of the permit shall apply for permit coverage on the same NOI, insofar as possible. After permit coverage has been granted to the initial site-wide primary permittee, any subsequent NOI submittals must include the site's previously assigned permit tracking number and the project name. The comprehensive site-specific SWPPP shall be prepared in accordance with the requirements of part 3 of the permit and must be submitted with the NOI unless the NOI being submitted is to add a subsequent permittee to an existing coverage. **Artificial entities (e.g., corporations or partnerships) must submit the correct Tennessee Secretary of State, Division of Business Services, control number. General partnerships. For general partnerships, the NOI must be signed by each general partner in the general partnership.**

The NOI will be considered incomplete without a correct control number, and the division reserves the right to deny coverage to artificial entities that are not properly registered and in good standing with the Tennessee Secretary of State (i.e., listed with an entity status of "active"). The division further reserves the right to issue permit coverage in the correct legal name of the individual or entity seeking coverage and to name each general partner of a general partnership in addition to the general partnership.

Complete the form: Type or print clearly. Answer each item or enter "NA," for not applicable. If you need additional space, attach a separate piece of paper to the NOI form. **The NOI will be considered incomplete without a permit fee and comprehensive site-specific SWPPP (if applicable).**

Describe and locate the project: Use the legal or official name of the construction site. If a construction site lacks street name or route number, give the most accurate information available to describe the location (reference to adjacent highways, roads and structures; eg., intersection of state highways 70 and 100). Latitude and longitude (in decimal degrees) can be found at numerous other web sites. Attach a copy of a map, showing location of site, with boundaries at least one mile outside the site boundaries. Provide estimated starting date of clearing activities and completion date of the project, and an estimate of the number of acres of the site on which soil will be disturbed, including borrow areas, fill areas, stockpiles and the total acres. For linear projects, give location at each end of the construction area.

Name of the receiving waters: Trace the route of stormwater runoff from the site and determine the name of the water course(s) into which the runoff drains. Note that the water course may or may not be located on the construction site. If the first water body receiving construction site runoff is unnamed ("unnamed tributary"), determine the name of the waterbody that the unnamed tributary enters.

An ARAP may be required: **If your work will disturb or cause alterations of a stream or wetland, you must obtain an appropriate Aquatic Resource Alteration Permit (ARAP).** If wetlands are located on-site and may be impacted, attach the wetland delineation report. If you have a question about the ARAP program, contact your local Field Office (EFO).

Submitting the form and obtaining more information: Note that this form must be signed by the company President, Vice-President, or a ranking elected official in the case of a municipality, for details see subpart 2.5. For more information, contact your local EFO at the toll-free number 1-888-891-8332 (TDEC). Submit the completed NOI form (keep a copy for your records) to the appropriate EFO for the county(ies) where the construction activity is located, addressed to **Attention: Stormwater NOI Processing.**

Notice of Coverage: The division will review NOIs for completeness and accuracy and issue an NOC to site-wide primary operators, authorizing SW discharge from the construction site as of the effective date of the NOC. New subsequent operators will not receive an NOC, but are considered covered under the permit when their permit record is published on TDEC's dataviewer as "active" and with an effective date. TDEC Permit Dataviewer can be found at: http://environment-online.tn.gov:8080/pls/enf_reports/f?p=9034:34001:0

EFO	Street Address	Zip Code	EFO	Street Address	Zip Code
Memphis	8383 Wolf Lake Drive, Bartlett	38133-4119	Cookeville	1221 South Willow Ave.	38506
Jackson	1625 Hollywood Drive	38305-4316	Chattanooga	1301 Riverfront Pkwy, Suite 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

STORMWATER POLLUTION & PREVENTION PLAN (SWPPP)

TELLICO AREA SERVICES SYSTEM

Water Line Improvements Howards Chapel Road, Gentry Lane, and Tipton Lane

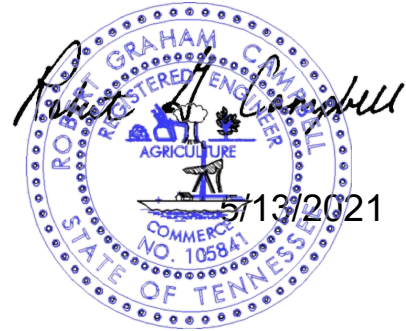
Monroe County, Tennessee

May 2021

RGC&A Project: 21053

Engineer: Robert G. Campbell & Associates
Contact: Mark Mlynarski
7523 Taggart Lane
Knoxville, TN 37938
Phone: (865) 947-5996
Email: Mark.Mlynarski@rgc-a.com

Owner: Tellico Area Services System
505 Clearview Road
Maryville, TN 37801
Contact: Mark Clinton
Phone: (423) 884-6400



"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."

Mark Clinton
Owner/Developer name (print)


Signature

5-10-21
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."

Pending
Owner/Developer name (print)

Signature

Date

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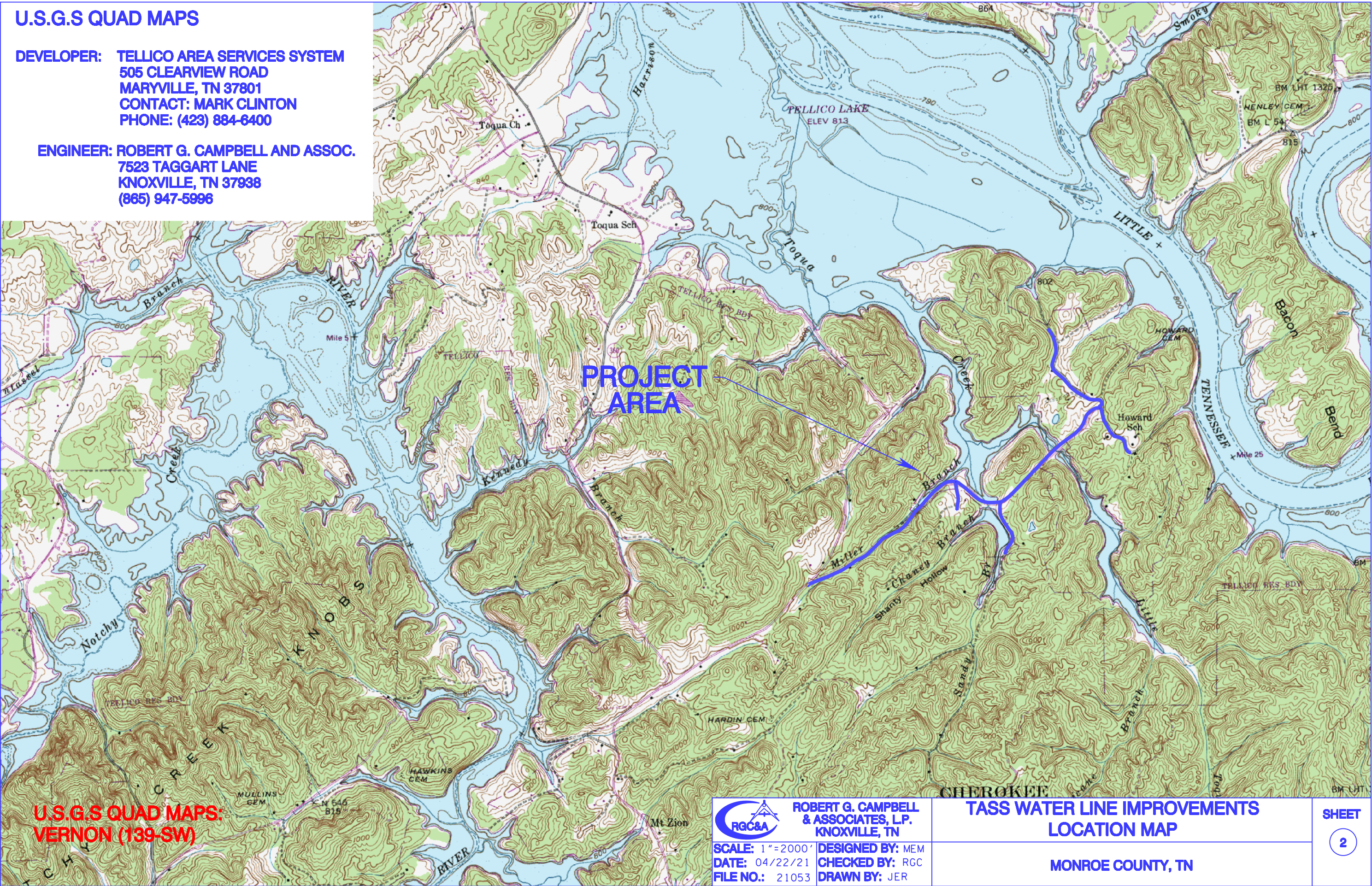
Appendices

Signed Notice of Intent Form
Blank Notice of Termination Form
Sample Inspection Report Form
Soils Information

U.S.G.S QUAD MAPS

DEVELOPER: TELICO AREA SERVICES SYSTEM
505 CLEARVIEW ROAD
MARYVILLE, TN 37801
CONTACT: MARK CLINTON
PHONE: (423) 884-6400

ENGINEER: ROBERT G. CAMPBELL AND ASSOC.
7523 TAGGART LANE
KNOXVILLE, TN 37938
(865) 947-5996



U.S.G.S QUAD MAPS:
VERNON (139-SW)



SCALE: 1"=2000'
DATE: 04/22/21
FILE NO.: 21053

ROBERT G. CAMPBELL
& ASSOCIATES, L.P.
KNOXVILLE, TN

DESIGNED BY: MEM
CHECKED BY: RGC
DRAWN BY: JER

TASS WATER LINE IMPROVEMENTS
LOCATION MAP

MONROE COUNTY, TN

SHEET

2

**Stormwater Pollution Prevention Plan
Tellico Area Services System in Monroe County
Water Line Improvements for Howards Chapel Rd, Gentry Ln, and Tipton Ln**

General Information

This Stormwater Pollution Prevention Plan (SWPPP) is being developed in accordance with the Tennessee General NPDES Permit for Stormwater 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-Stormwater Discharges is being submitted with this SWPPP. A Notice of Coverage (NOC) from TDEC is requested.

**Owner: Tellico Area Services System
505 Clearview Road
Maryville, TN 37801
Contact: Mark Clinton
Phone: (423) 884-6400**

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, and located just off Central Avenue Pike in a mailbox. 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:

- Mount Vernon (132-NE)

Project Description:

Proposed Construction Description:

The proposed project consists of installing 14,270 linear feet of 6-inch and 2-inch PVC water line in Monroe County. The construction activities will include 11,000 linear feet of 6-inch water line and 3,270 linear feet of 2-inch water line. Water Line A and D will be 6-inch and the remainder will be 2-inch. The pipe will be Class 250 SDR 17 PVC. The system proposed will be constructed, operated, and maintained by Tellico Area Services System (TASS).

Water Line A (WL-A) will begin at the intersection of Howards Chapel Road and Miller Road and continue northeast along the south side of Howards Chapel Road for 8,500 linear feet before terminating at its intersection with Old Citico Road. WL-B will begin at the intersection of Gentry Lane and Howards Chapel Road, off WL-A, and travel south along Gentry Lane for 650 linear feet before terminating along the east side of the dead end road. WL-C will begin at the intersection of Tipton Lane with Howards Chapel Road and travel south along the east side of Tipton Lane for 1,300 linear feet before terminating with a fire hydrant. WL-D will begin at the end of WL-A and travel north along the west side of Old Citico Road for approximately 2500 linear feet before terminating at the intersection with a private road. WL-E will begin at the end of WL-A and travel south along the west side of Old Citico Road for approximately 1,320 linear feet.

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 workday to prevent theft. Diesel fueling of machinery will take place at the Contractor’s yard prior to the workday.

The stormwater prevention and sediment control measures in this report have been designed for the 2-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 14,270 feet long and 10 feet wide (to allow for surface disturbance by machinery), will account for 142,700 square feet of disturbance, or 3.28 acres. As described in a subsequent section the entire 3.28 acres will not be disturbed at one time, rather, the construction activities will be staged.

Existing Site Conditions:

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 properties off main roads.

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

- Unnamed Tributary to Little Tennessee River
- Tellico Reservoir (Little Tennessee River)

Tellico Reservoir has been assessed according to the TDEC Division of Water Resources Public Data Viewer and is listed as “not supporting”. It is impaired due to the source of contaminated sediments causing high levels of polychlorinated biphenyls or PCBs. Tellico Reservoir will require a 60-foot average/ 30-foot minimum buffer.

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 on the site have moderate to very slow infiltration rates and the soils in the project areas are primarily classified within hydrologic soil groups “B”, “C”, and “D”. The primary soils group is “B”. Group “B” soils are moderately draining soils leading to average rates of runoff. Approximately 15-percent of the area is soil groups “C” and “D” which are poor draining and lead to higher rates of runoff. The soil map for this project is located in the Appendix.

Surface Water Conveyance Crossings:

As shown on the attached USGS quad map, there are two areas where the proposed water line will be placed overtop A 72-inch and 96-inch CMP that actively houses parts of the Tellico Reservoir. WL-A will be laid overtop of an existing 72-inch CMP at Station 50+47.00 that runs underneath Howard’s Chapel Road and it will be laid overtop a 96-inch CMP at Station 71+54.00. At this point silt fence and mulch filter berm will be utilized to protect the creek.

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 erosion and sediment control measures are designed to control storm runoff generated by a 2-year, 24-hour storm event. 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 30-foot/average 60-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.

Mark Clinton, or his designate, 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 Mr. Clinton.

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 Stormwater 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-Stormwater Contingencies

One or more staging areas shall be established at a location convenient to construction purposes and approved by the City of Madisonville 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 stormwater. 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 CFR 117 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 stormwater.

References

Tennessee Erosion and Sediment Control Handbook

Appendix

**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:

<input type="checkbox"/>	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.
<input type="checkbox"/>	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



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

1-888-891-8332 (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 Training 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 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 "No," describe remaining deficiencies in Comment 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 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.

Inspector Name and Title:	Signature:	Date:
Primary 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.

As described in section 3.5.8.1 of the Permit, 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/>). Twice weekly inspections can also be performed by: a licensed professional engineer or landscape architect; a Certified Professional in Erosion and Sediment Control (CPESC) or a person who has successfully completed the "Level II Design Principles for Erosion Prevention and Sediment Control for Construction Sites" course. A copy of the certification or training record for inspector certification should be kept on site.

Qualified personnel, (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.

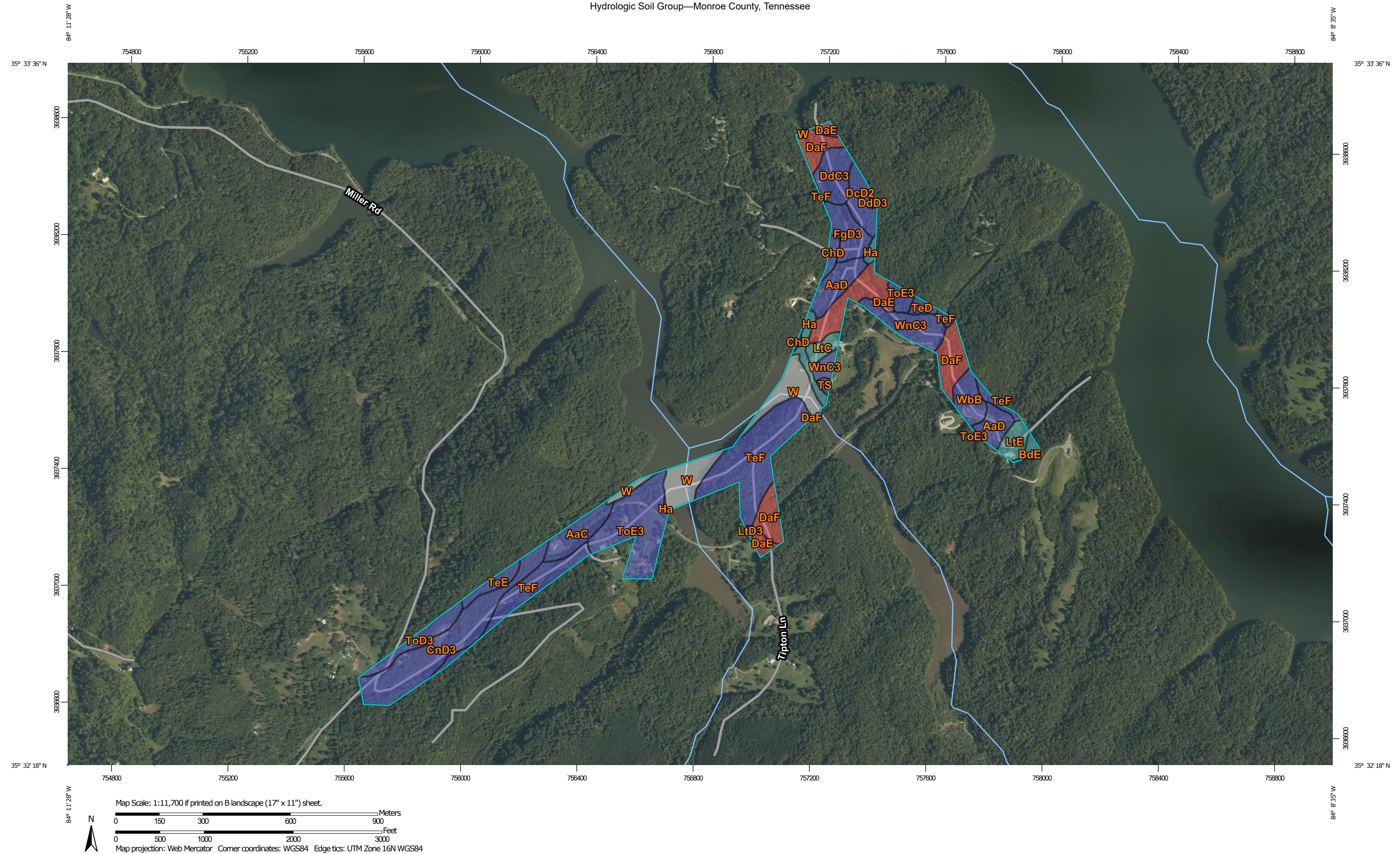
Based on the results of the inspection, any inadequate control measures or control measures in disrepair shall be replaced or modified, or repaired as necessary, before the next rain event if possible, but in no case more than 7 days after the need is identified.

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.

Hydrologic Soil Group—Monroe County, Tennessee



Natural Resources
Conservation Service

Web Soil Survey
National Cooperative Soil Survey

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 1:20,000.

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: Monroe County, Tennessee

Survey Area Data: Version 17, May 29, 2020

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

Date(s) aerial images were photographed: Aug 29, 2019—Aug 30, 2019

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
AaC	Alcoa loam, 5 to 12 percent slopes	B	4.7	3.5%
AaD	Alcoa loam, 12 to 20 percent slopes	B	7.4	5.4%
BdE	Bland silt loam, 25 to 50 percent slopes	C	0.7	0.5%
ChD	Christian loam, 12 to 25 percent slopes	B	1.3	0.9%
CnD3	Christian clay loam, 12 to 25 percent slopes, severely eroded	B	16.3	11.9%
DaE	Dandridge shaly silty clay loam, 20 to 35 percent slopes	D	8.1	5.9%
DaF	Dandridge shaly silty clay loam, 35 to 60 percent slopes	D	10.4	7.6%
DcD2	Decatur silt loam, 12 to 20 percent slopes, eroded	B	3.7	2.7%
DdC3	Decatur silty clay loam, 5 to 12 percent slopes, severely eroded	B	4.9	3.6%
DdD3	Decatur silty clay loam, 12 to 20 percent slopes, severely eroded	B	0.3	0.2%
FgD3	Farragut silty clay, 12 to 20 percent slopes, severely eroded	B	4.6	3.4%
Ha	Hamblen silt loam, 0 to 2 percent slopes, occasionally flooded	C	3.0	2.2%
LtC	Litz shaly silt loam, 5 to 12 percent slopes (sil)	C	1.8	1.3%
LtD3	Litz shaly silt loam, 12 to 20 percent slopes, severely eroded (sil)	C	0.2	0.2%
LtE	Litz shaly silt loam, 20 to 35 percent slopes (sil)	C	2.4	1.8%
TeD	Tellico loam, 12 to 20 percent slopes	B	1.0	0.7%
TeE	Tellico loam, 20 to 35 percent slopes	B	2.0	1.5%

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
TeF	Tellico loam, 35 to 60 percent slopes	B	23.9	17.4%
ToD3	Tellico clay loam, 12 to 20 percent slopes, severely eroded	B	3.7	2.7%
ToE3	Tellico clay loam, 20 to 35 percent slopes, severely eroded	B	14.7	10.7%
TS	Tellico and Dewey soils, gullied	B	0.5	0.3%
W	Water		10.9	8.0%
WbB	Waynesboro loam, 2 to 5 percent slopes	B	3.6	2.6%
WnC3	Waynesboro clay loam, 5 to 12 percent slopes, severely eroded	B	6.8	5.0%
Totals for Area of Interest			136.8	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

TELLICO AREA SERVICES SYSTEM
MONROE COUNTY, TENNESSEE
STORMWATER POLLUTION PREVENTION PLAN (SWPPP)
2021 GOVERNOR LOCAL GOVERNMENT
SUPPORT GRANT
FOR
HOWARDS CHAPEL RD., GENTRY LN. & TIPTON LN.

MONROE COUNTY MAYOR:

MITCH INGRAM

TELLICO AREA SERVICES SYSTEM

MARK CLINTON SUPERINTENDENT

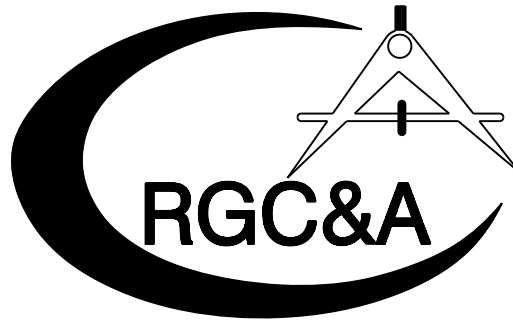
MONROE COUNTY COMMISSIONERS:

1ST DISTRICT: ADAM REYNOLDS
LUKE BRIGHT
JOE ANDERSON
2ND DISTRICT: CHAD LEMING
BRIAN HARRILL
RICHARD KIRKLAND
3RD DISTRICT: CHRIS WISEMAN
BILL SHADDEN
ROGER THOMAS
4TH DISTRICT: PAULETTE SUMMEY

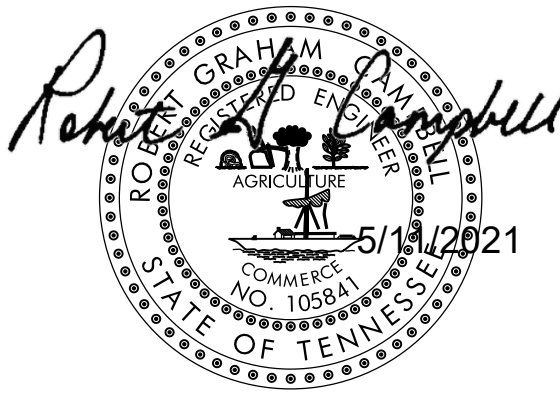
BOARD MEMBERS

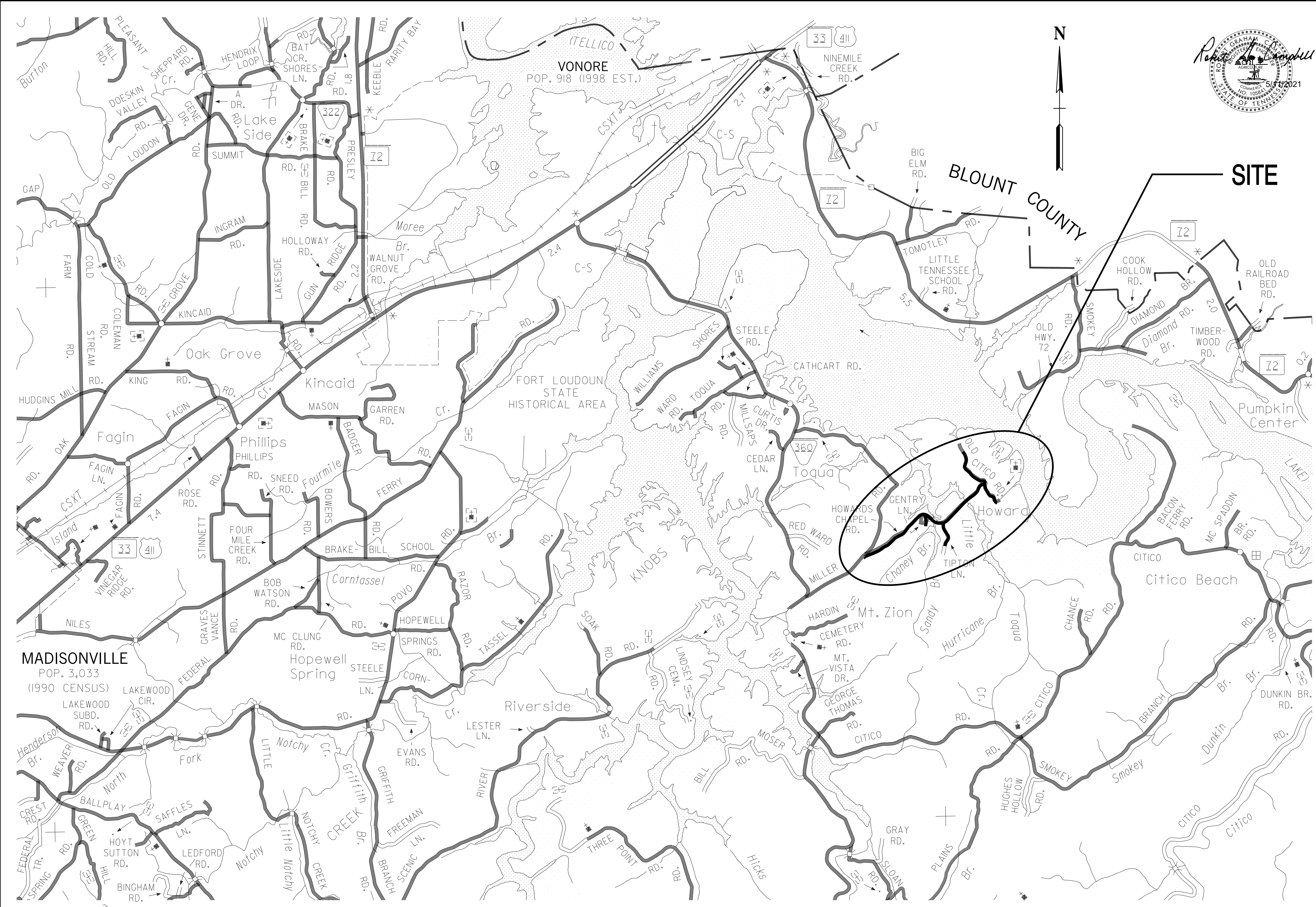
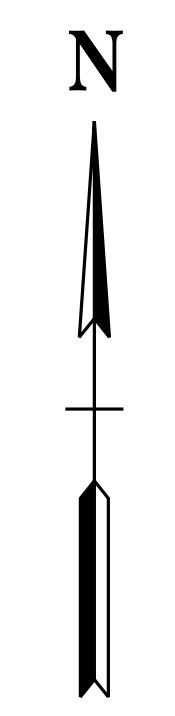
JIM BROOKS CHAIRMAN
JOHN HAMMONTREE VICE-CHAIRMAN
CHIP MILLER SECRETARY
ROBERT WOOLDRIDGE
ROBBY LOVINGOOD
WILLIAM D. SATTERFIELD

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

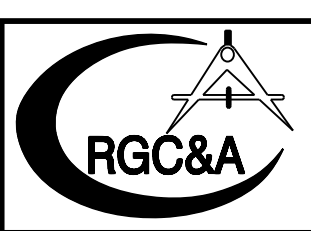


KNOXVILLE , TENNESSEE





NO.	DATE	DESCRIPTION	BY	CHKD.

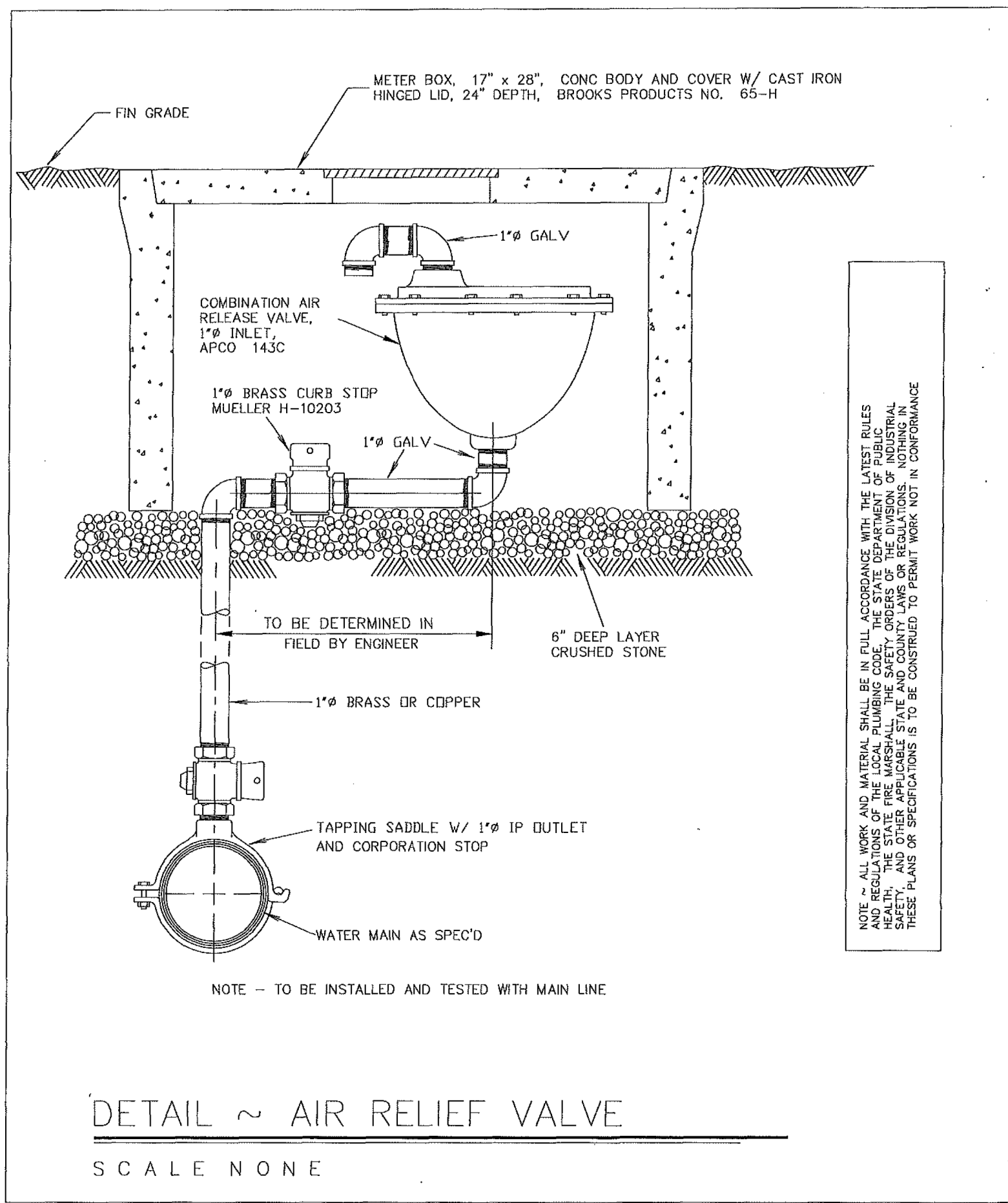


ROBERT G. CAMPBELL & ASSOC., L.P.
CONSULTING ENGINEERS
KNOXVILLE, TENNESSEE

TELICO AREA SERVICES SYSTEM
MONROE COUNTY, TENNESSEE

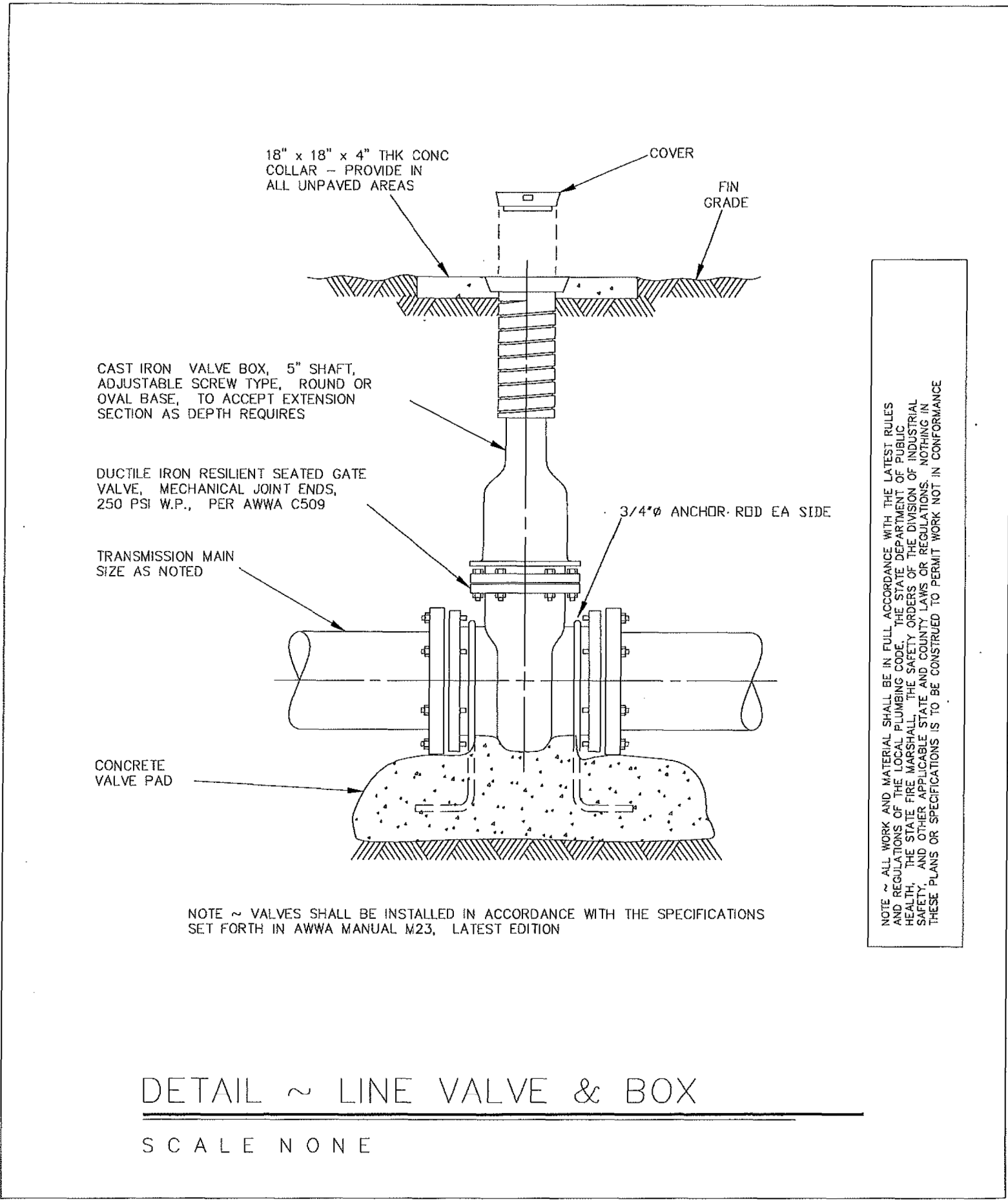
LOCATION
MAP

DESIGNED BY JLD	CHECKED BY RGC	SCALE 1" = 50'	SHEET NO. 2
DRAWN BY JER	DATE 05/11/2021	FILE NO. 21053	OF 13 SHEETS



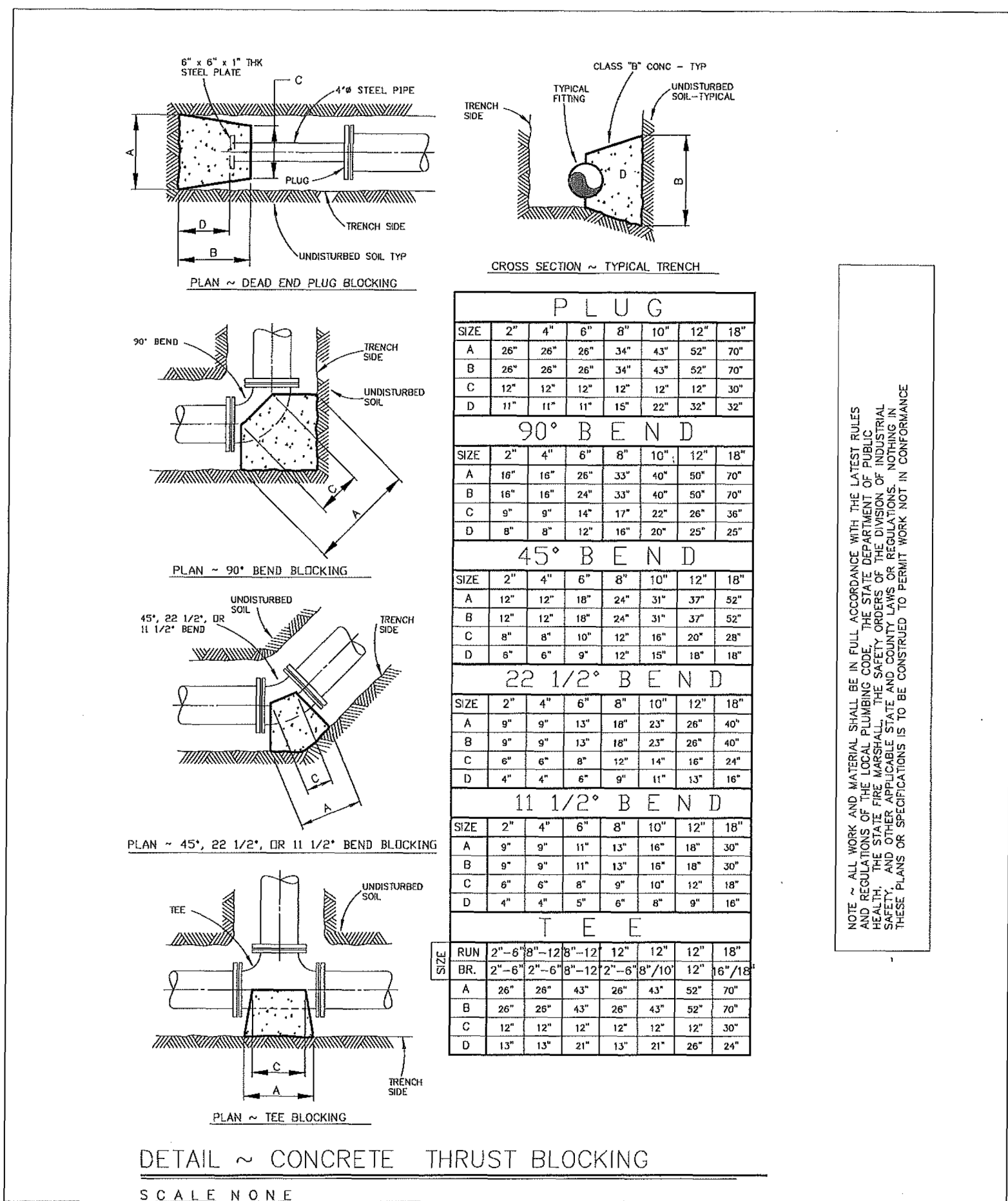
TELlico AREA SERVICES SYSTEM (TASS)
505 CLEARVIEW ROAD
MARYVILLE, TN 37801

SD-4



TELlico AREA SERVICES SYSTEM (TASS)
505 CLEARVIEW ROAD
MARYVILLE, TN 37801

SD-1



TELlico AREA SERVICES SYSTEM (TASS)
505 CLEARVIEW ROAD
MARYVILLE, TN 37801

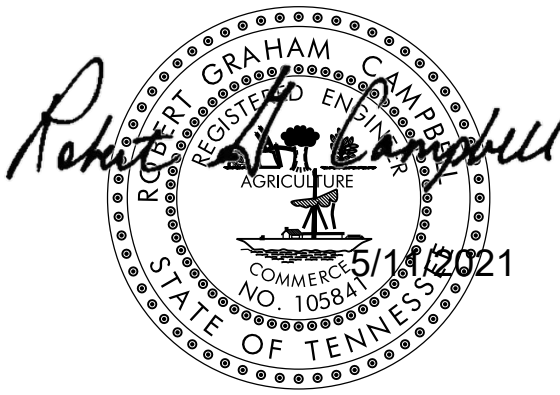
SD-3

WATER NOTES:

- ALL WATERLINES SHALL BE INSTALLED IN ACCORDANCE WITH APPROVED TELlico AREA SERVICES SYSTEM SPECIFICATIONS.
- 6" WATERLINES SHALL BE CLASS 250 SDR 17 PVC OR CLASS 350 DIP AS NOTED. 2" WATERLINES SHALL BE CLASS 250 SDR 17 PVC.
- EXISTING WATERLINE PRESSURE FURNISHED BY OFFICIALS AT TELlico AREA SERVICES SYSTEM.
- CONTRACTOR MUST HAVE A VALID CONTRACTOR UTILITY LICENSE FOR INSTALLATION OF UNDERGROUND PIPING.
- ALL WATER VALVES SHALL BE PLACED OUTSIDE THE ROADWAY SURFACE.
- ALL WATER LINES TO BE CONSTRUCTED WITH A MINIMUM OF 36" OF COVER.
- CONTRACTOR IS RESPONSIBLE FOR ALL TRENCH SAFETY.
- 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.
- 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.

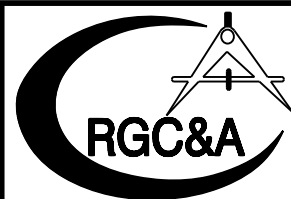
EROSION / POLLUTION CONTROL:

- 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 THROUGH 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.
- 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.
- 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.
- THE CONTRACTOR SHALL MAINTAIN THE EROSION CONTROL MEASURES THROUGHOUT THE LENGTH OF THE CONTRACT AS REQUIRED.
- 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.
- 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.



*****NO. DATE DESCRIPTION BY CKD.*****

NO.	DATE	DESCRIPTION	BY	CKD.
REVISIONS				



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

TELlico AREA SERVICES SYSTEM
MONROE COUNTY, TENNESSEE

NOTES &
DETAILS

DESIGNED BY JLD	CHECKED BY RGC	SCALE 1" = 50'	SHEET NO. 3
DRAWN BY JER	DATE 05/11/2021	FILE NO. 21053	OF 13 SHEETS

SWPPP LEGEND

IP INLET PROTECTION
(SEDIMENT TRAP AND
TUBE WATTLES)

SFB * SFB * SFB WIRE BACKED SILT FENCE

MFB MULCH BERM

MU STRAW MULCH

PS PERMANENT VEGETATION

SO STABILIZATION WITH SOD

OP OUTLET PROTECTION

----- 60 FOOT STREAM BUFFER

----- LIMIT OF DISTURBANCE

WL-A STA. 0+00.00
FIELD LOCATE EXISTING 6"
WATER LINE AND INSTALL
1" 6"x6" TAPPING SLEEVE
AND VALVE. BEGIN NEW 6"
CLASS 250 SDR 17 PVC
WATER LINE.

MILLER ROAD

HOWARD'S CHAPEL ROAD

MU

PS

5

PLACE SILT FENCE WHERE TOPOGRAPHY
ALLOWS FOR EFFECTIVENESS

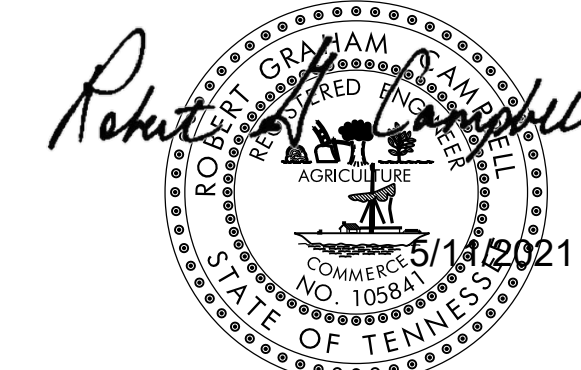
10

GRVL

MU

PS

MATCH LINE WL-A STA. 15+00 SHEET 5



*****SPECS*****
*****TIMES*****
*****DATE*****

NO.	DATE	DESCRIPTION	BY	CHKD.
REVISIONS				



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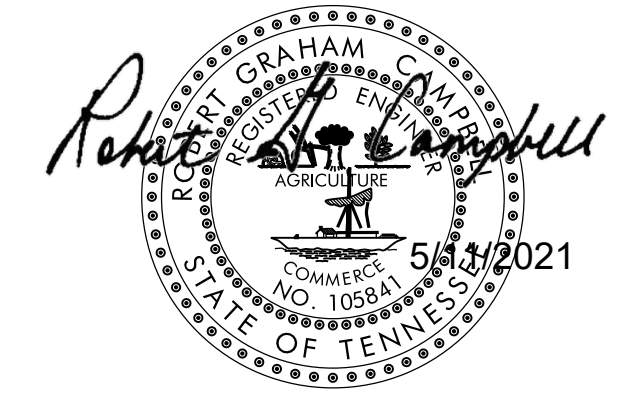
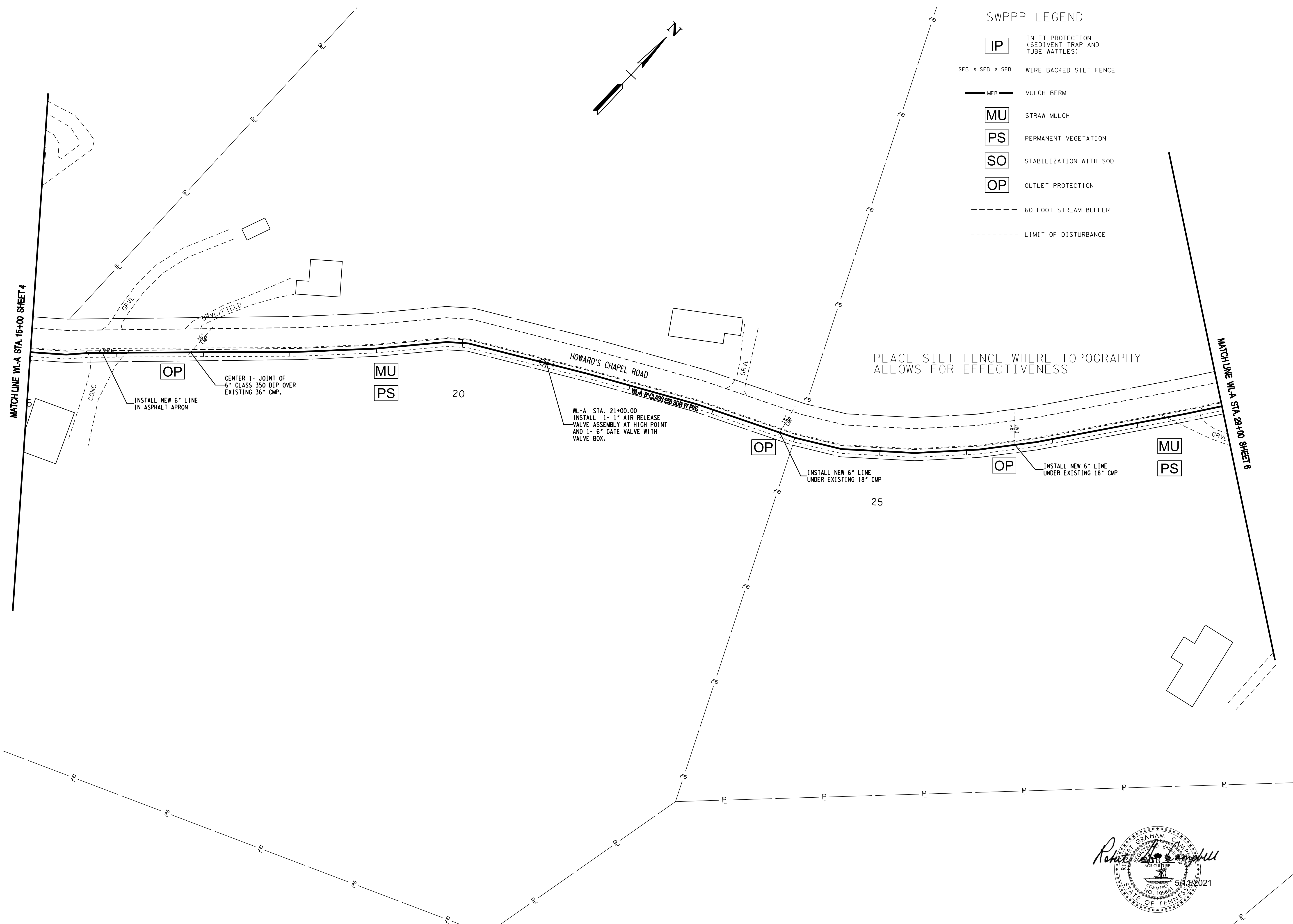
TELICO AREA SERVICES SYSTEM
MONROE COUNTY, TENNESSEE

PLAN VIEW - WL-A
HOWARDS CHAPEL ROAD

DESIGNED BY JLD	CHECKED BY RGC	SCALE 1" = 50'	SHEET NO. 4
DRAWN BY JER	DATE 05/11/2021	FILE NO. 21053	OF 13 SHEETS

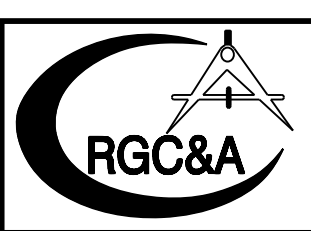
SWPPP LEGEND

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



*****NO. DATE DESCRIPTION BY CKD.*****

NO.	DATE	DESCRIPTION	BY	CKD.

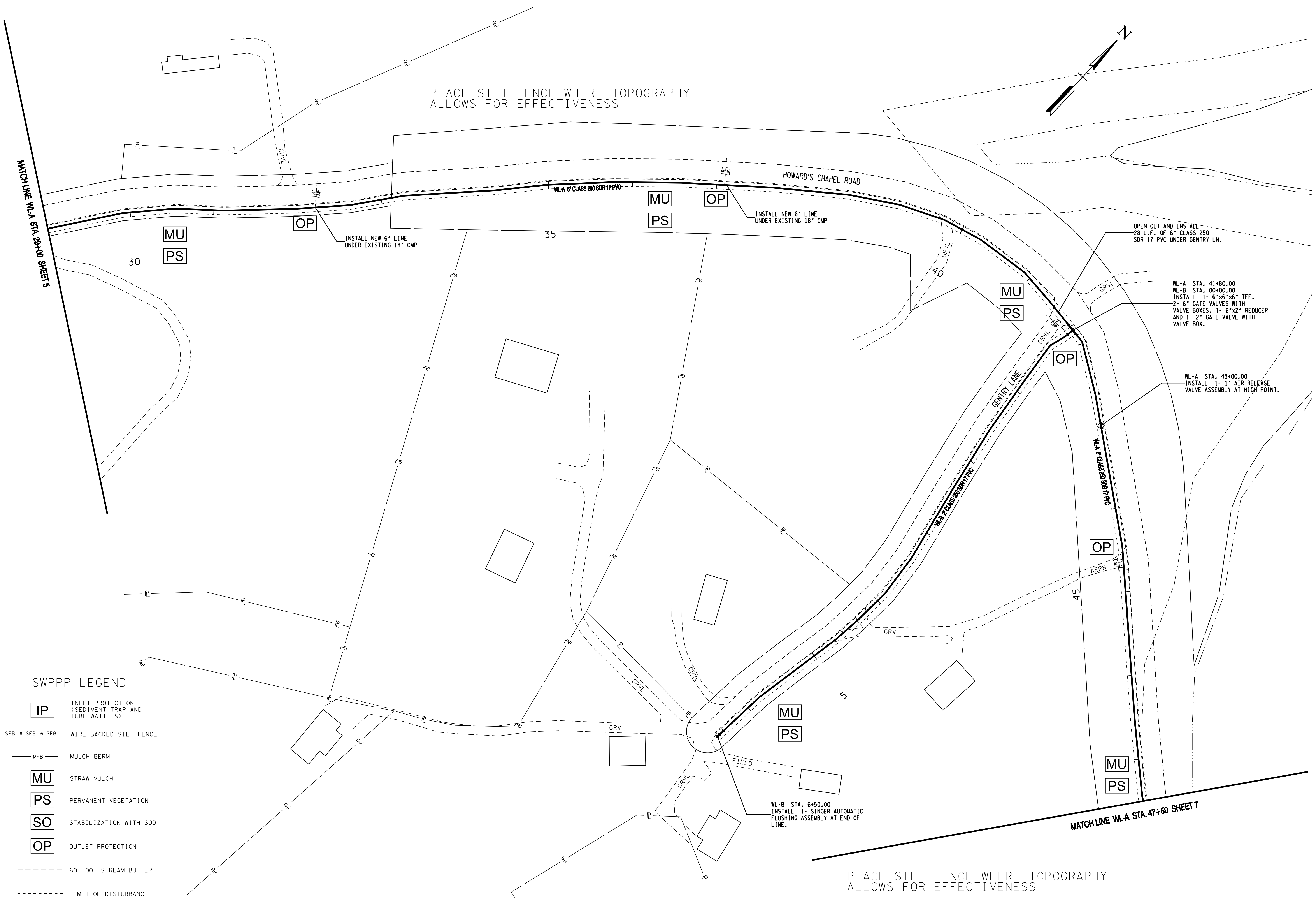


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KNOXVILLE, TENNESSEE

TELICO AREA SERVICES SYSTEM
MONROE COUNTY, TENNESSEE

PLAN VIEW - WL-A
HOWARDS CHAPEL ROAD

DESIGNED BY JLD	CHECKED BY RGC	SCALE 1" = 50'	SHEET NO. 5
DRAWN BY JER	DATE 05/11/2021	FILE NO. 21053	OF 13 SHEETS

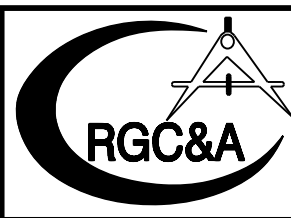


SWPPP LEGEND

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

*****SHEET NO. 6*****

NO.	DATE	DESCRIPTION	BY	CKD.
REVISIONS				



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TELLICO AREA SERVICES SYSTEM
MONROE COUNTY, TENNESSEE

PLAN VIEW - WL-A & WL-B
HOWARDS CHAPEL RD & GENTRY LN

DESIGNED BY JLD	CHECKED BY RGC	SCALE 1" = 50'	SHEET NO. 6
DRAWN BY JER	DATE 05/11/2021	FILE NO. 21053	OF 13 SHEETS

SWPPP LEGEND

- IP

INLET PROTECTION
(SEDIMENT TRAP AND
TUBE WATTLES)
- SFB * SFB * SFB

WIRE BACKED SILT FENCE
- MFB

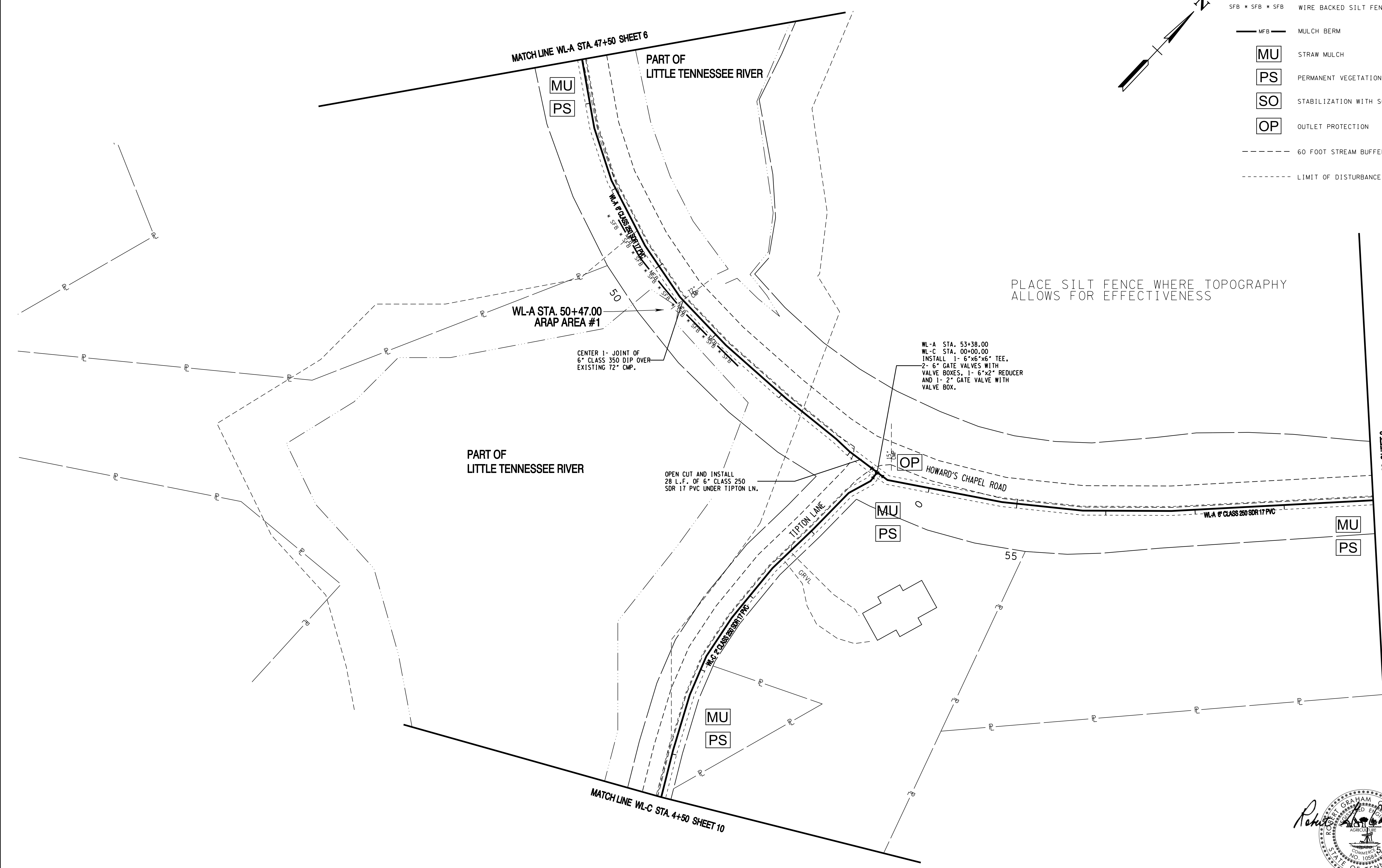
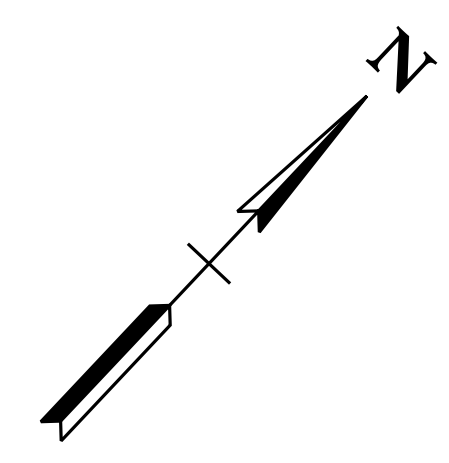
MULCH BERM
- MU

STRAW MULCH
- PS

PERMANENT VEGETATION
- SO

STABILIZATION WITH SOD
- OP

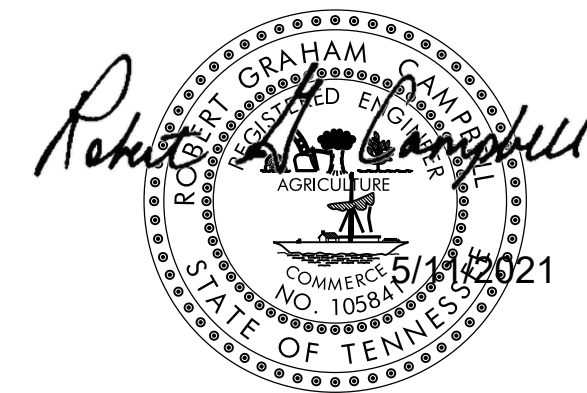
OUTLET PROTECTION
- 60 FOOT STREAM BUFFER
- LIMIT OF DISTURBANCE



PLACE SILT FENCE WHERE TOPOGRAPHY
ALLOWS FOR EFFECTIVENESS

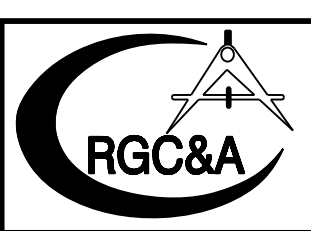
WL-A STA. 53+38.00
WL-C STA. 00+00.00
INSTALL 1- 6"x6"x6" TEE,
2- 6" GATE VALVES WITH
VALVE BOXES, 1- 6"x2" REDUCER
AND 1- 2" GATE VALVE WITH
VALVE BOX.

OPEN CUT AND INSTALL
28 L.F. OF 6" CLASS 250
SDR 17 PVC UNDER TIPTON LN.



*****SPECS*****
*****DATE*****

NO.	DATE	DESCRIPTION	BY	CKD.
REVISIONS				



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TELLICO AREA SERVICES SYSTEM
MONROE COUNTY, TENNESSEE

PLAN VIEW - WL-A & WL-C
HOWARDS CHAPEL RD & TIPTON LN

DESIGNED BY JLD	CHECKED BY RGC	SCALE 1" = 50'	SHEET NO. 7
DRAWN BY JER	DATE 05/11/2021	FILE NO. 21053	OF 13 SHEETS

SWPPP LEGEND

- IP

INLET PROTECTION
(SEDIMENT TRAP AND
TUBE WATTLES)
- SFB * SFB * SFB

WIRE BACKED SILT FENCE
- MFB

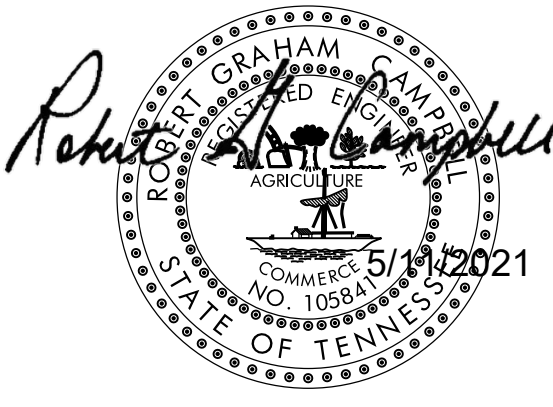
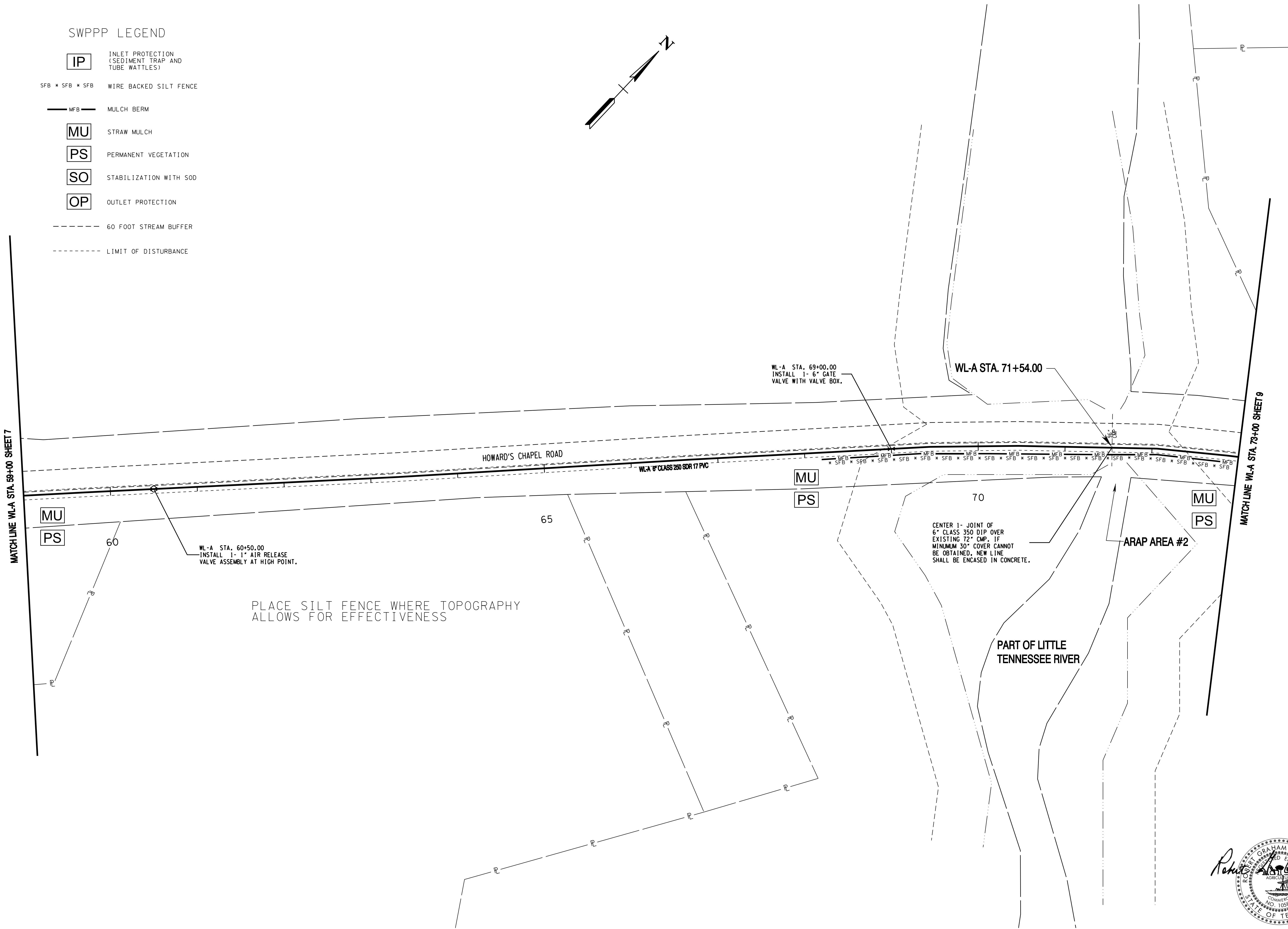
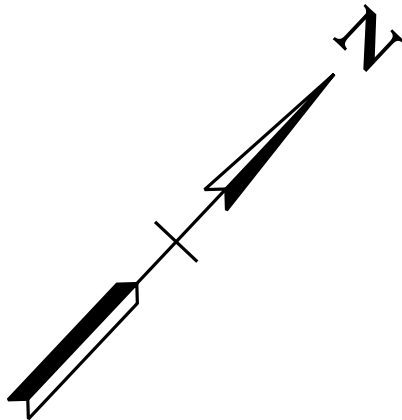
MULCH BERM
- MU

STRAW MULCH
- PS

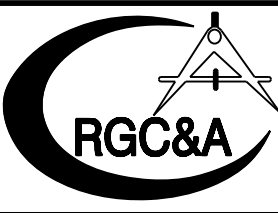
PERMANENT VEGETATION
- SO

STABILIZATION WITH SOD
- OP

OUTLET PROTECTION
- 60 FOOT STREAM BUFFER
- LIMIT OF DISTURBANCE



NO.	DATE	DESCRIPTION	BY	CKD.
REVISIONS				

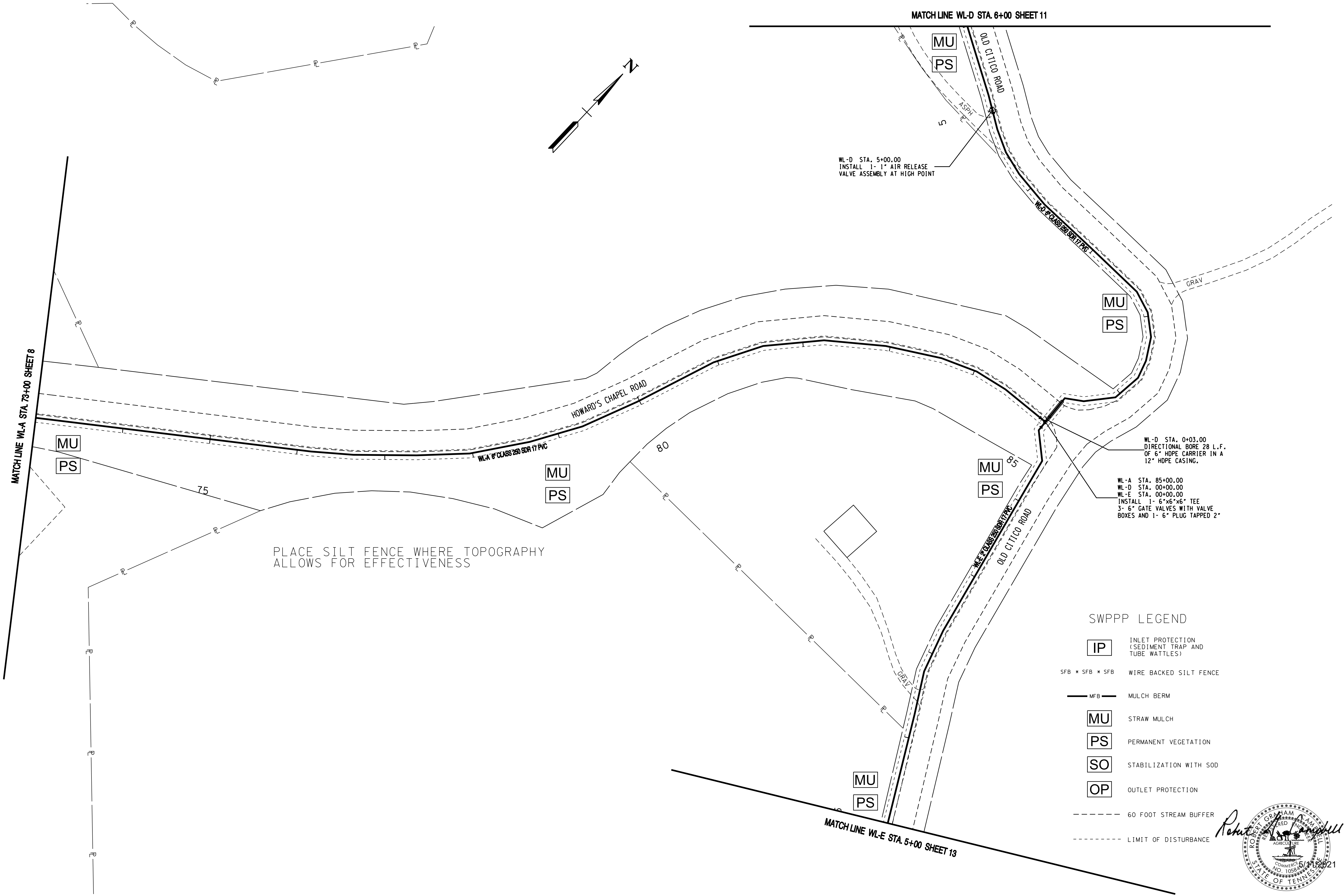


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TELICO AREA SERVICES SYSTEM
MONROE COUNTY, TENNESSEE

PLAN VIEW - WL-A
HOWARDS CHAPEL ROAD

DESIGNED BY JLD	CHECKED BY RGC	SCALE 1" = 50'	SHEET NO. 8
DRAWN BY JER	DATE 05/11/2021	FILE NO. 21053	OF 13 SHEETS



SWPPP LEGEND

IP

INLET PROTECTION
(SEDIMENT TRAP AND
TUBE WATTLES)

SFB * SFB * SFB

WIRE BACKED SILT FENCE

MFB

MULCH BERM

MU

STRAW MULCH

PS

PERMANENT VEGETATION

SO

STABILIZATION WITH SOD

OP

OUTLET PROTECTION

60 FOOT STREAM BUFFER

LIMIT OF DISTURBANCE

*****SPECS*****
*****DATE*****

NO.	DATE	DESCRIPTION	BY	CHKD.
REVISIONS				

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TELLOCO AREA SERVICES SYSTEM
MONROE COUNTY, TENNESSEE

PLAN VIEW - WL-A, WL-D & WL-E
HOWARDS CHAPEL RD & OLD CITICO RD

DESIGNED BY JLD	CHECKED BY RGC	SCALE 1" = 50'	SHEET NO. 9
DRAWN BY JER	DATE 05/11/2021	FILE NO. 21053	OF 13 SHEETS

SWPPP LEGEND

- IP

INLET PROTECTION
(SEDIMENT TRAP AND
TUBE WATTLES)
- SFB * SFB * SFB

WIRE BACKED SILT FENCE
- MFB

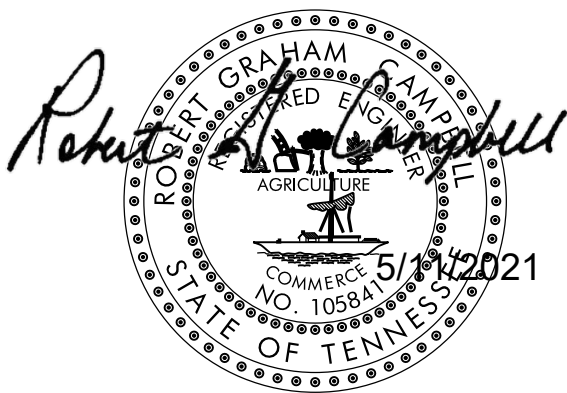
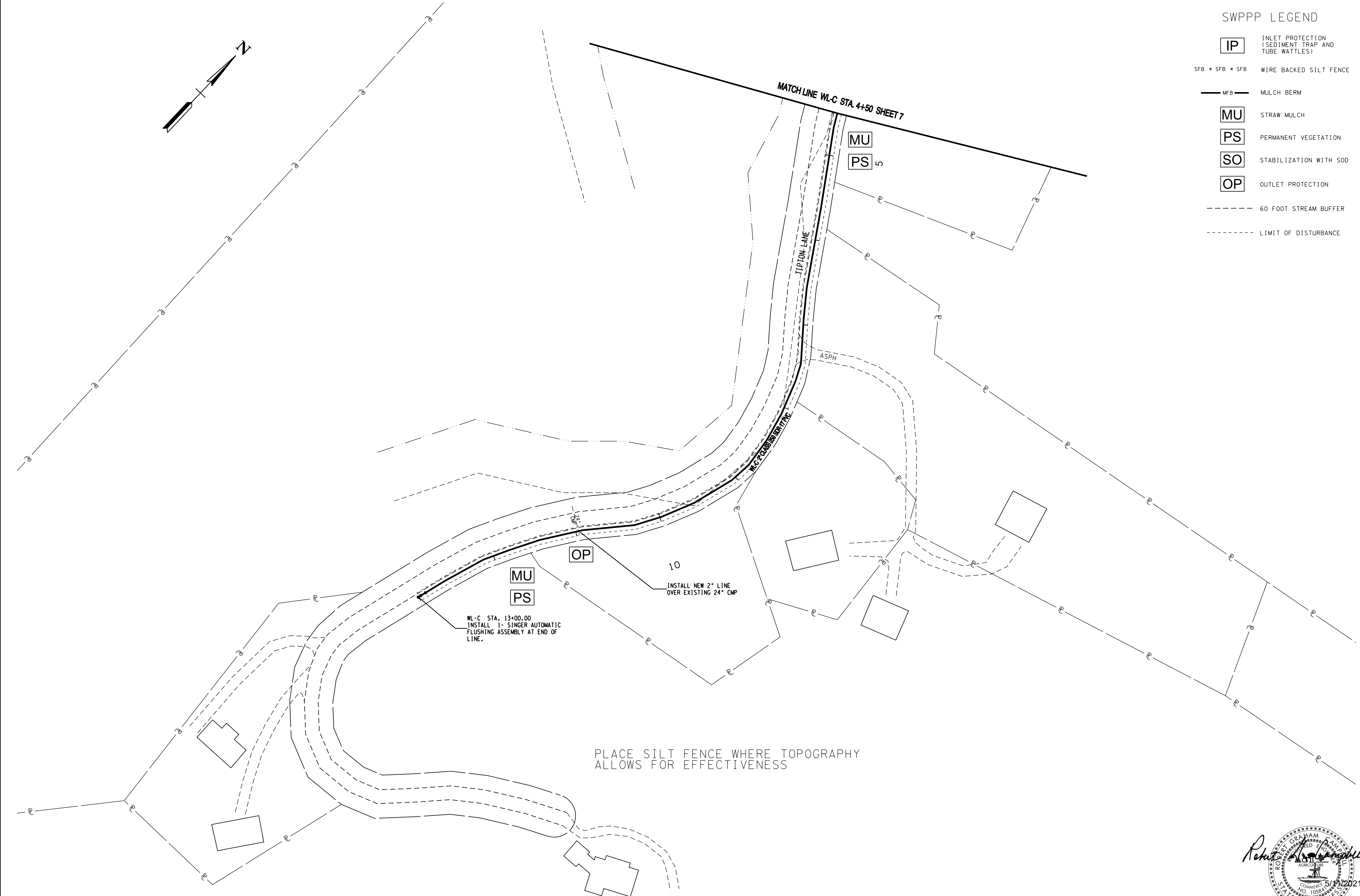
MULCH BERM
- MU

STRAW MULCH
- PS

PERMANENT VEGETATION
- SO

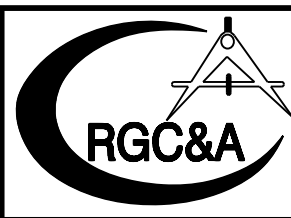
STABILIZATION WITH SOD
- OP

OUTLET PROTECTION
- 60 FOOT STREAM BUFFER
- LIMIT OF DISTURBANCE



*****NO. DATE DESCRIPTION BY CKD.*****

NO.	DATE	DESCRIPTION	BY	CKD.
REVISIONS				

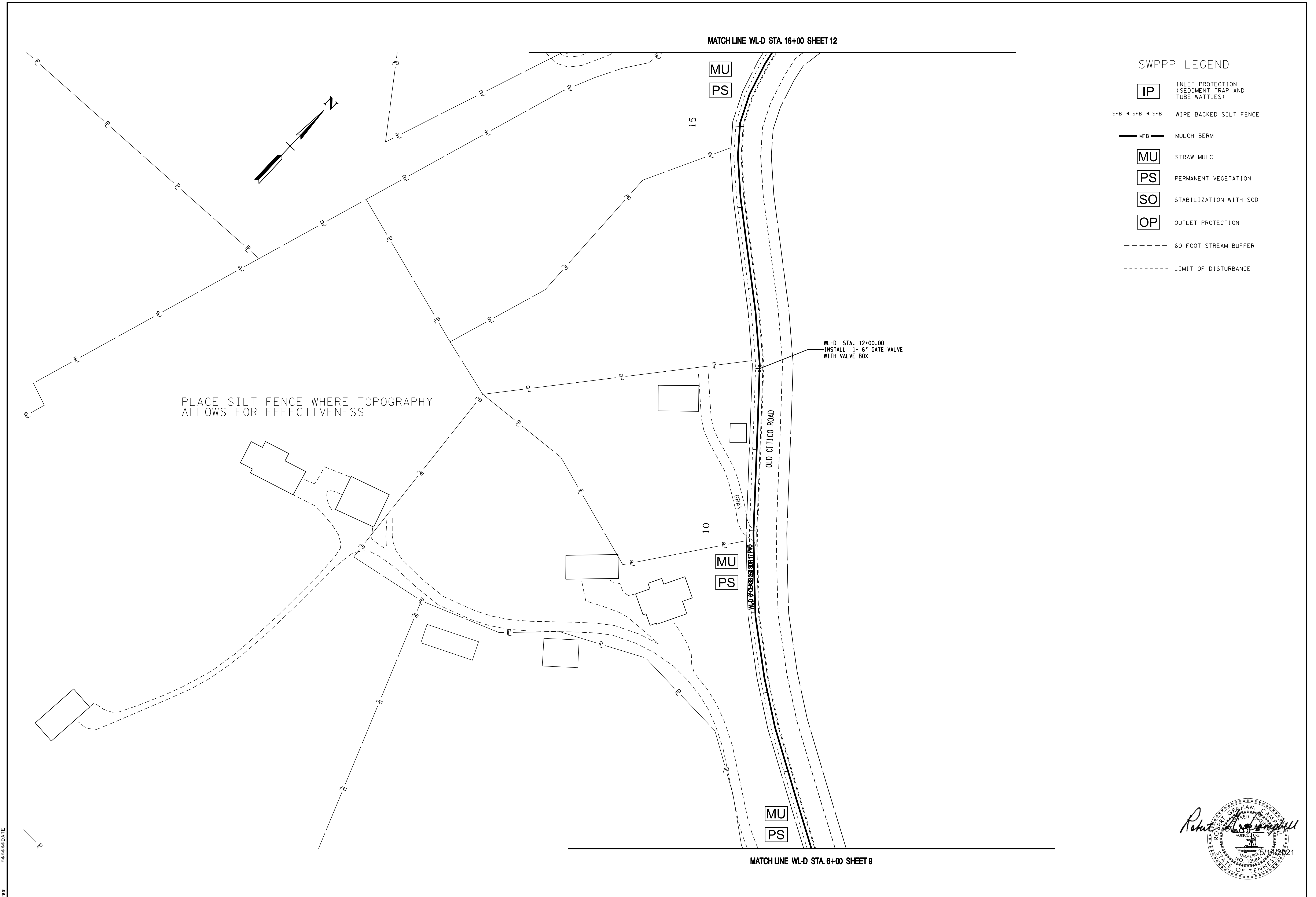


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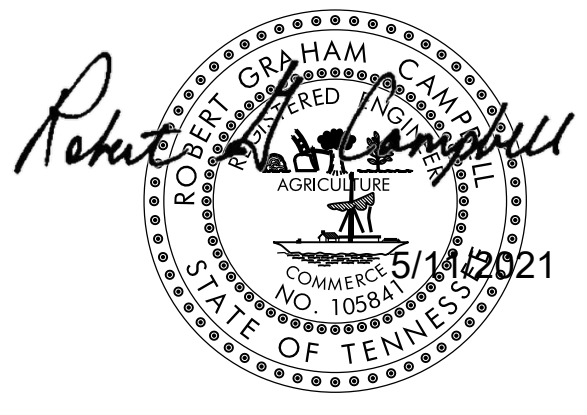
TELICO AREA SERVICES SYSTEM
MONROE COUNTY, TENNESSEE

PLAN VIEW - WL-C
TIPTON LANE

DESIGNED BY JLD	CHECKED BY RGC	SCALE 1" = 50'	SHEET NO. 10
DRAWN BY JER	DATE 05/11/2021	FILE NO. 21053	OF 13 SHEETS



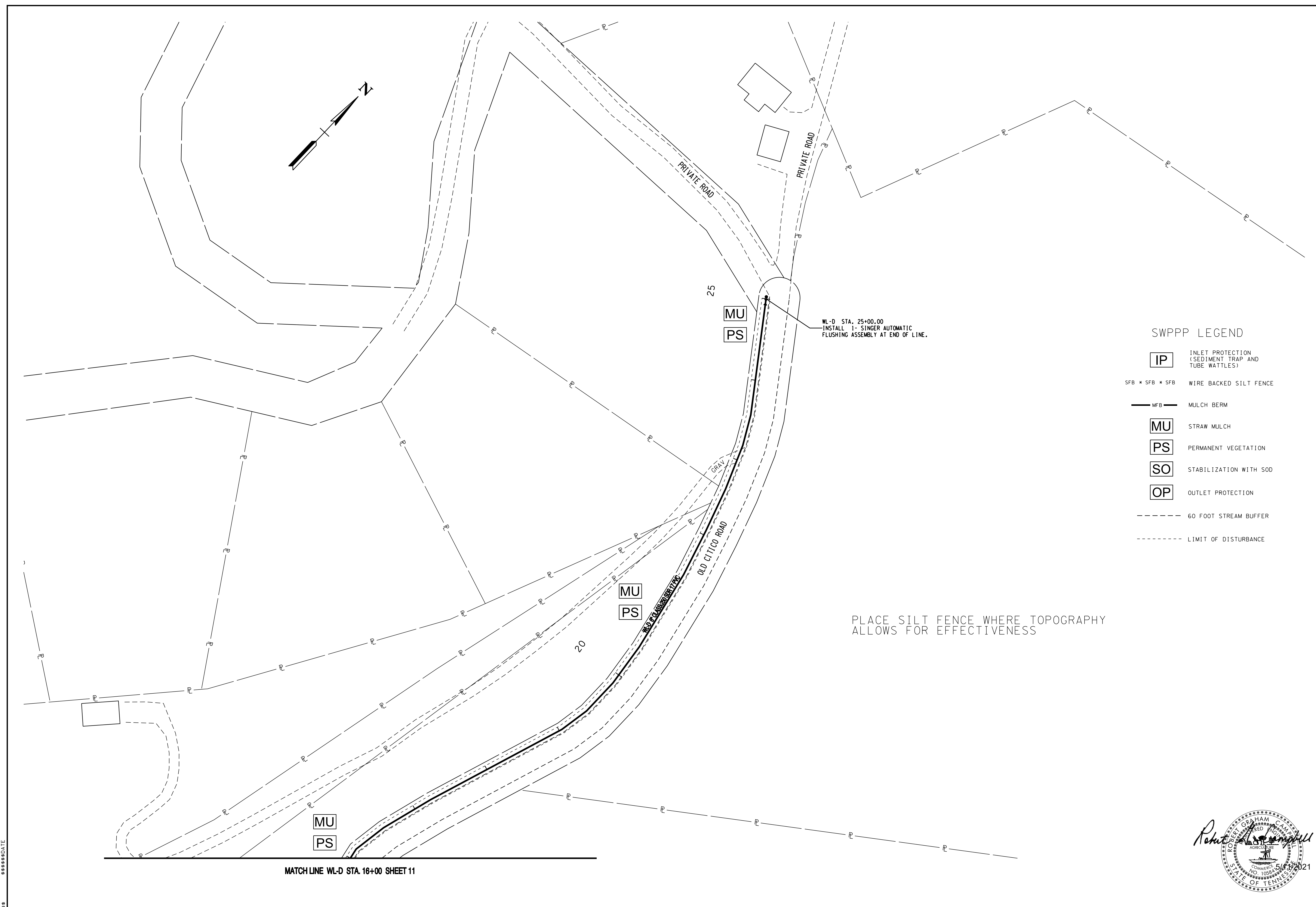
- SWPPP LEGEND
- IP** INLET PROTECTION (SEDIMENT TRAP AND TUBE WATTLES)
 - SFB * SFB * SFB WIRE BACKED SILT FENCE
 - MFB** MULCH BERM
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 - PS** PERMANENT VEGETATION
 - SO** STABILIZATION WITH SOD
 - OP** OUTLET PROTECTION
 - 60 FOOT STREAM BUFFER
 - LIMIT OF DISTURBANCE



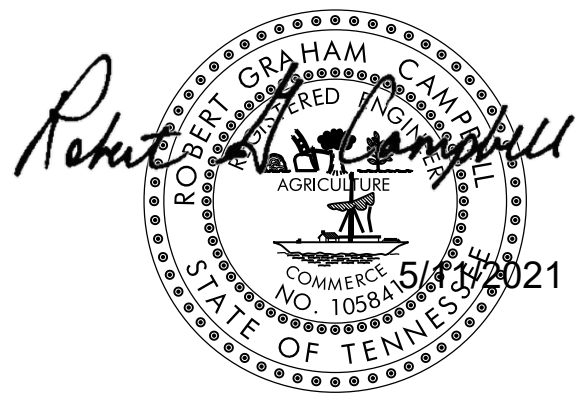
NO.		DATE	DESCRIPTION	BY	CKD.
REVISIONS					

		ROBERT G. CAMPBELL & ASSOC., L.P. CONSULTING ENGINEERS KNOXVILLE, TENNESSEE		TELICO AREA SERVICES SYSTEM MONROE COUNTY, TENNESSEE		PLAN VIEW - WL-D OLD CITICO ROAD		DESIGNED BY JLD	CHECKED BY RGC	SCALE 1" = 50'	SHEET NO. 11
								DRAWN BY JER	DATE 05/11/2021	FILE NO. 21053	OF 13 SHEETS

*****SPECS*****
*****DATE*****

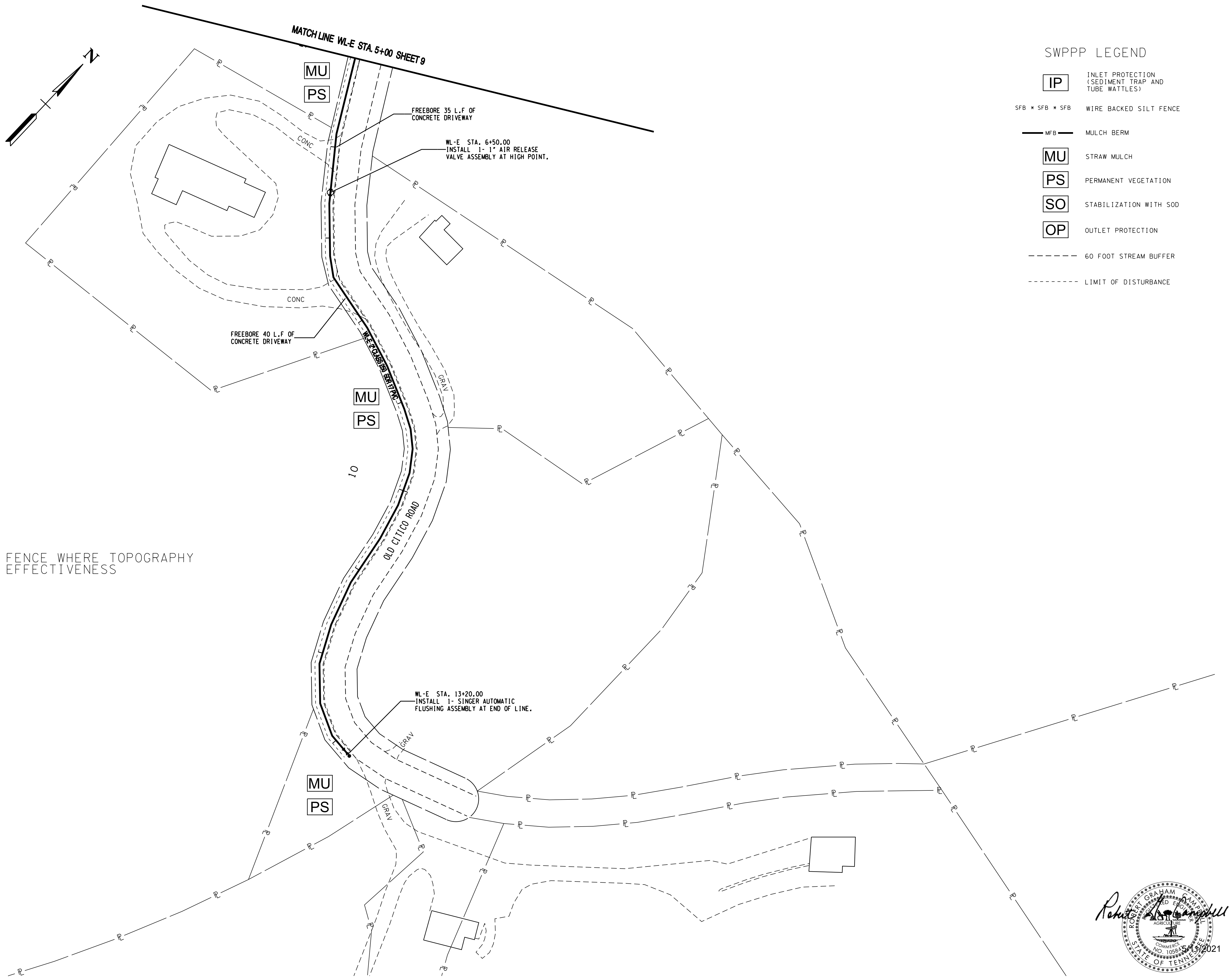


- SWPPP LEGEND
- IP** INLET PROTECTION (SEDIMENT TRAP AND TUBE WATTLES)
 - SFB * SFB * SFB WIRE BACKED SILT FENCE
 - MFB** MULCH BERM
 - MU** STRAW MULCH
 - PS** PERMANENT VEGETATION
 - SO** STABILIZATION WITH SOD
 - OP** OUTLET PROTECTION
 - 60 FOOT STREAM BUFFER
 - LIMIT OF DISTURBANCE



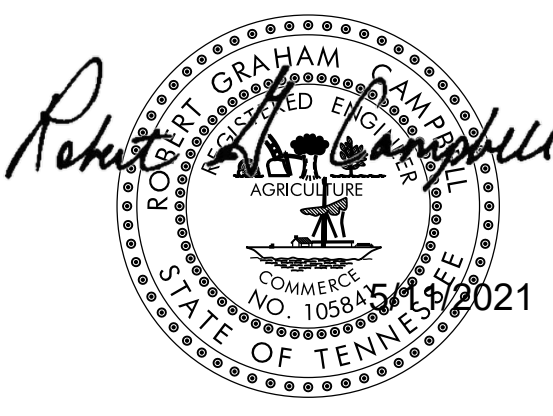
NO.		DATE	DESCRIPTION	BY	CKD.
REVISIONS					

		ROBERT G. CAMPBELL & ASSOC., L.P. CONSULTING ENGINEERS KNOXVILLE, TENNESSEE		TELICO AREA SERVICES SYSTEM MONROE COUNTY, TENNESSEE		PLAN VIEW - WL-D OLD CITICO ROAD		DESIGNED BY JLD	CHECKED BY RGC	SCALE 1" = 50'	SHEET NO. 12
								DRAWN BY JER	DATE 05/11/2021	FILE NO. 21053	OF 13 SHEETS



- SWPPP LEGEND
- IP INLET PROTECTION (SEDIMENT TRAP AND TUBE WATTLES)
 - SFB * SFB * SFB WIRE BACKED SILT FENCE
 - MFB MULCH BERM
 - MU STRAW MULCH
 - PS PERMANENT VEGETATION
 - SO STABILIZATION WITH SOD
 - OP OUTLET PROTECTION
 - 60 FOOT STREAM BUFFER
 - LIMIT OF DISTURBANCE

PLACE SILT FENCE WHERE TOPOGRAPHY
ALLOWS FOR EFFECTIVENESS



NO. DATE DESCRIPTION BY CKD.

DESIGNED BY JLD		CHECKED BY RGC		SCALE 1" = 50'		SHEET NO. 13	
DRAWN BY JER		DATE 05/11/2021		FILE NO. 21053		OF 13 SHEETS	