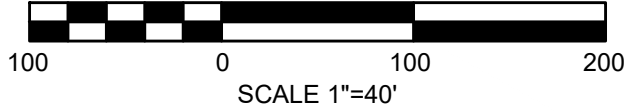
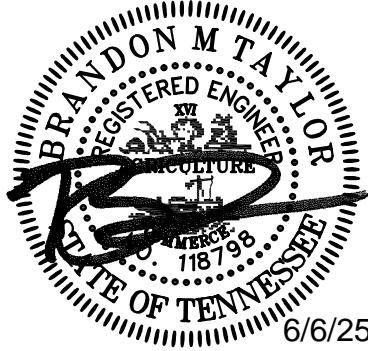


GRAPHIC SCALE



NOTE: ANY DAMAGES TO ADJACENT PROPERTIES (OUTSIDE OF REQUIRED CONSTRUCTION FOR BANK STABILIZATION WITHIN THE BANKS OF LEWIS CREEK) THAT OCCUR DURING CONSTRUCTION ARE TO BE REPAIRED BACK TO ORIGINAL CONDITIONS (I.E. FIELD ROADS, ETC.) AT NO COST TO THE CITY OF DYERSBURG. CONTRACTOR TO MINIMIZE CROP DAMAGES AS A RESULT OF CONSTRUCTION AND/OR ACCESS. CONTRACTOR TO PAY FARMER FOR ANY DAMAGES THAT ARE DEEMED EXCESSIVE AT NO COST TO THE CITY OF DYERSBURG.



No.	Date	Description



CITY OF
DYERSBURG

CITY OF DYERSBURG - ARPA STREAM
STABILIZATION
ALONG SOUTH BANK OF LEWIS CREEK

BANK STABILIZATION
LAYOUT PLAN

DRAWN BY: MW
DESIGNED BY: BT
CHECKED BY: TH
Q.A.Q.C. BY: SSR

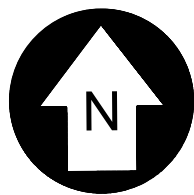
PHASE: CDs
DATE: 05/30/25

DRAWING NO:
C2.0

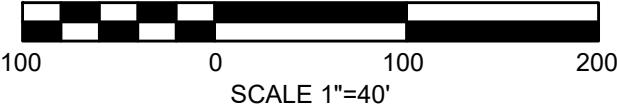
LOCATION
1 OF 5

NOTE: PROPERTY LINES & LEWIS CREEK'S
CENTERLINE ARE APPROXIMATE IN NATURE

UTILITY NOTE: LOCATION OF EXISTING UNDERGROUND UTILITIES ARE APPROXIMATE AND NOT NECESSARILY THE SAME. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE APPROPRIATE UTILITY COMPANY TO DETERMINE THE EXACT LOCATION OF ALL UTILITIES AND UNDERGROUND STRUCTURES PRIOR TO THE INITIATION OF ANY CONSTRUCTION. CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR DAMAGE TO ANY UTILITIES ENCOUNTERED WITHIN CONSTRUCTION LIMITS. CALL 811 FOR UTILITY LOCATIONS.



GRAPHIC SCALE



NOTE: ANY DAMAGES TO ADJACENT PROPERTIES (OUTSIDE OF REQUIRED CONSTRUCTION FOR BANK STABILIZATION WITHIN THE BANKS OF LEWIS CREEK) THAT OCCUR DURING CONSTRUCTION ARE TO BE REPAIRED BACK TO ORIGINAL CONDITIONS (I.E. FIELD ROADS, ETC.) AT NO COST TO THE CITY OF DYERSBURG. CONTRACTOR TO MINIMIZE CROP DAMAGES AS A RESULT OF CONSTRUCTION AND/OR ACCESS. CONTRACTOR TO PAY FARMER FOR ANY DAMAGES THAT ARE DEEMED EXCESSIVE AT NO COST TO THE CITY OF DYERSBURG.

IGNACIO MUNOZ
(PARCEL ID 02307406200)

EDDIE E. ANDERSON
(PARCEL ID 02307406101)

APPROX. CENTERLINE OF
LEWIS CREEK

APPROX. 534 L.F. OF
BANK STABILIZATION

APPROX. LOCATION 2 LIMIT
OF BANK STABILIZATION

N:645172.42
E:971814.81

TIE INTO AREA THAT
IS ADEQUATELY
STABILIZED

LOCATION 2

CLEAR & GRUB AREA AS NEEDED. EXCAVATE, FILL,
GRADE, COMPACT AS NEEDED TO BRING AREAS BACK
UP TO GRADE. HYDROSEED AND INSTALL CURLEX
HIGH VELOCITY EROSION CONTROL BLANKETS (OR
APPROVED EQUAL). SEE SHEET C3.0 FOR DETAILS

REVELL FAMILY TRUST
FCNB TRUSTEES ATTEN
REGINA MOORE
(PARCEL ID 02308801100)

IGNACIO MUNOZ
(PARCEL ID 02307406200)

APPROX. LOCATION 3 LIMIT
OF BANK STABILIZATION

N:645076.05
E:972096.11

TIE INTO AREA THAT
IS ADEQUATELY
STABILIZED

LOCATION 3

APPROX. 345 L.F. OF
BANK STABILIZATION

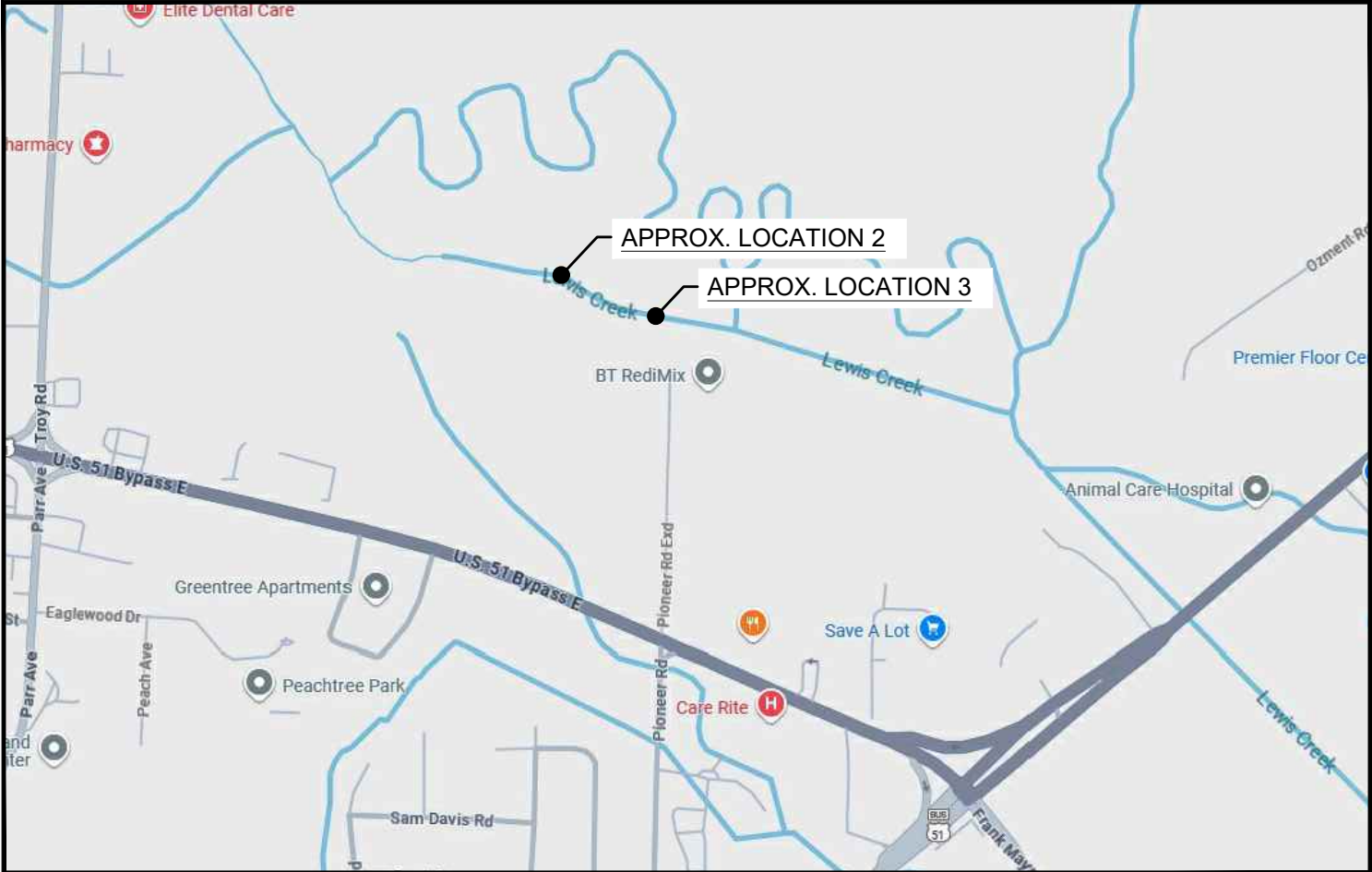
APPROX. LOCATION 3 LIMIT
OF BANK STABILIZATION

APPROX. CENTERLINE OF
LEWIS CREEK

N:644942.11
E:972408.37

TIE INTO AREA THAT
IS ADEQUATELY
STABILIZED

CLEAR & GRUB AREA AS NEEDED. EXCAVATE, FILL,
GRADE, COMPACT AS NEEDED TO BRING AREAS BACK
UP TO GRADE. HYDROSEED AND INSTALL CURLEX
HIGH VELOCITY EROSION CONTROL BLANKETS (OR
APPROVED EQUAL). SEE SHEET C3.0 FOR DETAILS



VICINITY MAP (N.T.S.)

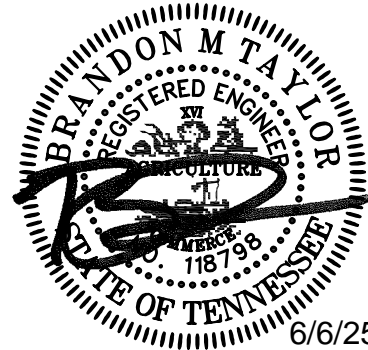
LOCATIONS
2 & 3 OF 5

NOTE: PROPERTY LINES & LEWIS CREEK'S
CENTERLINE ARE APPROXIMATE IN NATURE

UTILITY NOTE: LOCATION OF EXISTING UNDERGROUND UTILITIES ARE APPROXIMATE AND NOT NECESSARILY THE SAME. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE APPROPRIATE UTILITY COMPANY TO DETERMINE THE EXACT LOCATION OF ALL UTILITIES AND UNDERGROUND STRUCTURES PRIOR TO THE INITIATION OF ANY CONSTRUCTION. CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR DAMAGE TO ANY UTILITIES ENCOUNTERED WITHIN CONSTRUCTION LIMITS. CALL 811 FOR UTILITY LOCATIONS.



6055 Primacy Parkway,
Suite 401
Memphis, TN 38119
(901) 683-3900
www.ssr-inc.com
SSR Project #: 24410490



No.	Date	Description

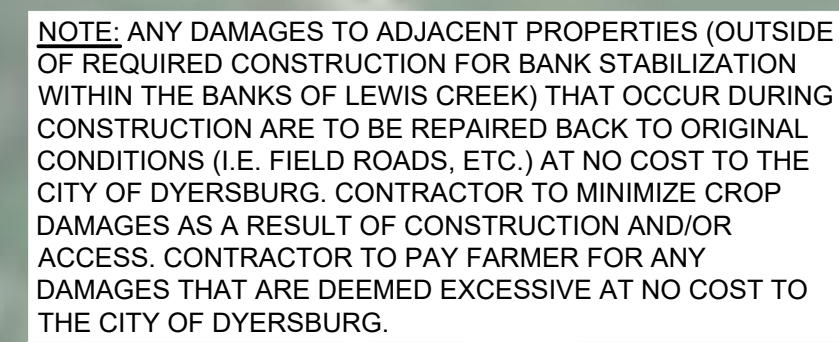


CITY OF
DYERSBURG

CITY OF DYERSBURG - ARPA STREAM
STABILIZATION
ALONG SOUTH BANK OF LEWIS CREEK

BANK STABILIZATION
LAYOUT PLAN

DRAWN BY: MW	DRAWING NO: C2.1
DESIGNED BY: BT	
CHECKED BY: TH	
Q.A./C.C. BY: SSR	
PHASE: CDs	DRAWING NO: C2.1
DATE: 05/30/25	



6055 Primacy Parkway,
Suite 401
Memphis, TN 38119
(901) 683-3900
www.ssr-inc.com
SSR Project #: 24410490

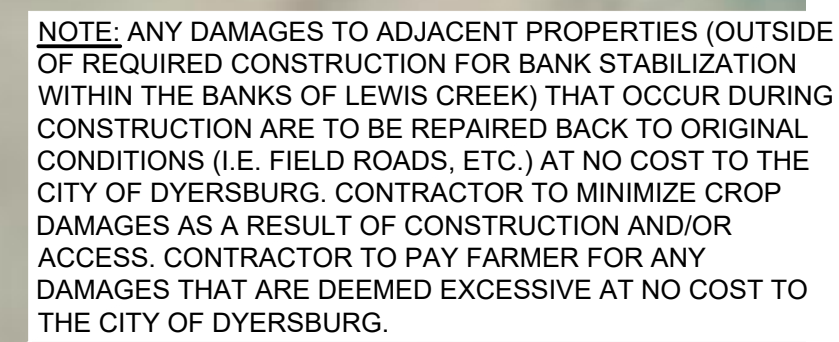


CITY OF DYERSBURG - ARPA STREAM
STABILIZATION
ALONG SOUTH BANK OF LEWIS CREEK

BANK STABILIZATION
LAYOUT PLAN

DRAWING NO:
C2.3





6055 Primacy Parkway,
Suite 401
Memphis, TN 38119
(901) 683-3900
www.ssr-inc.com
SSR Project #: 24410490

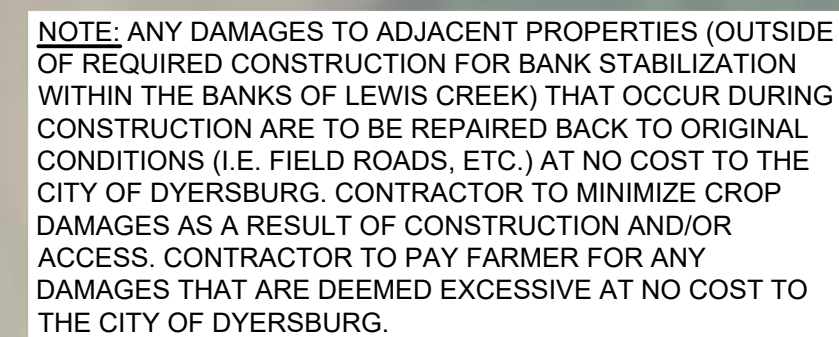


CITY OF DYERSBURG - ARPA STREAM
STABILIZATION
ALONG SOUTH BANK OF LEWIS CREEK

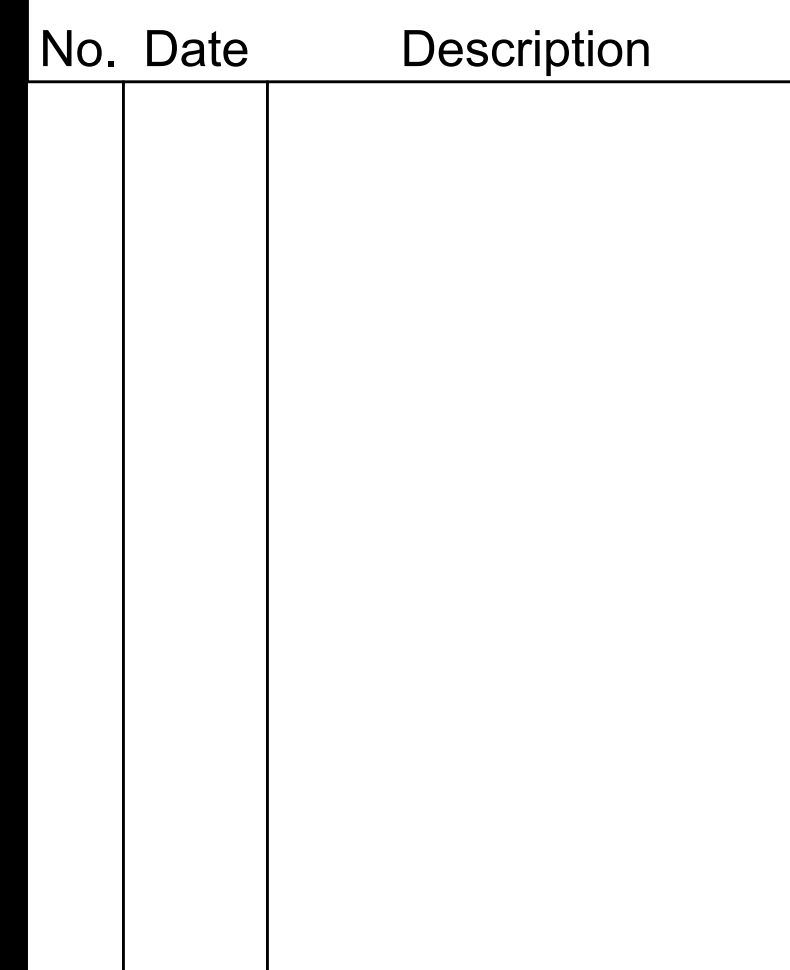
BANK STABILIZATION
GRADING PLAN

DRAWING NO:
C3.0



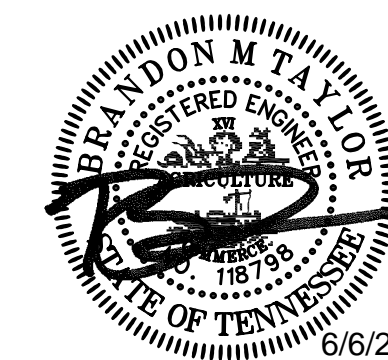
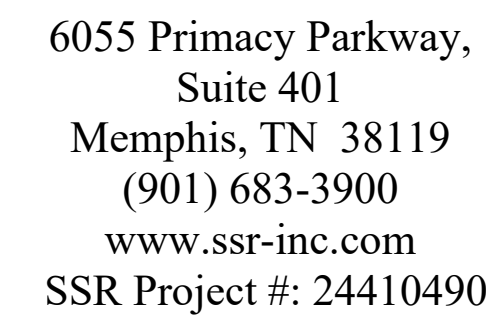


6055 Primacy Parkway,
Suite 401
Memphis, TN 38119
(901) 683-3900
www.ssr-inc.com
SSR Project #: 24410490

BANK STABILIZATION
GRADING PLAN

DRAWING NO:
C3.1





No.	Date	Description

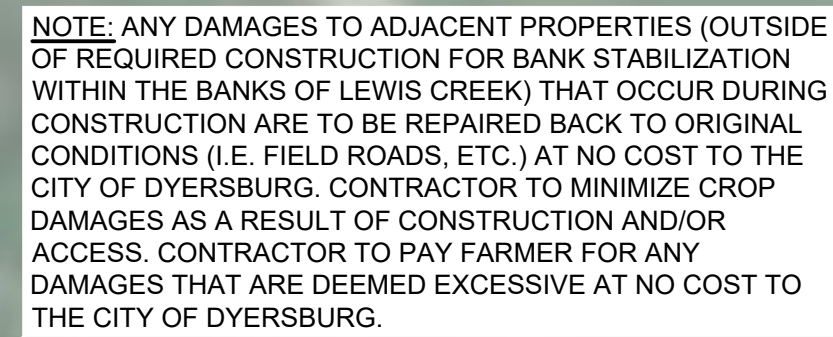


CITY OF
DYERSBURG

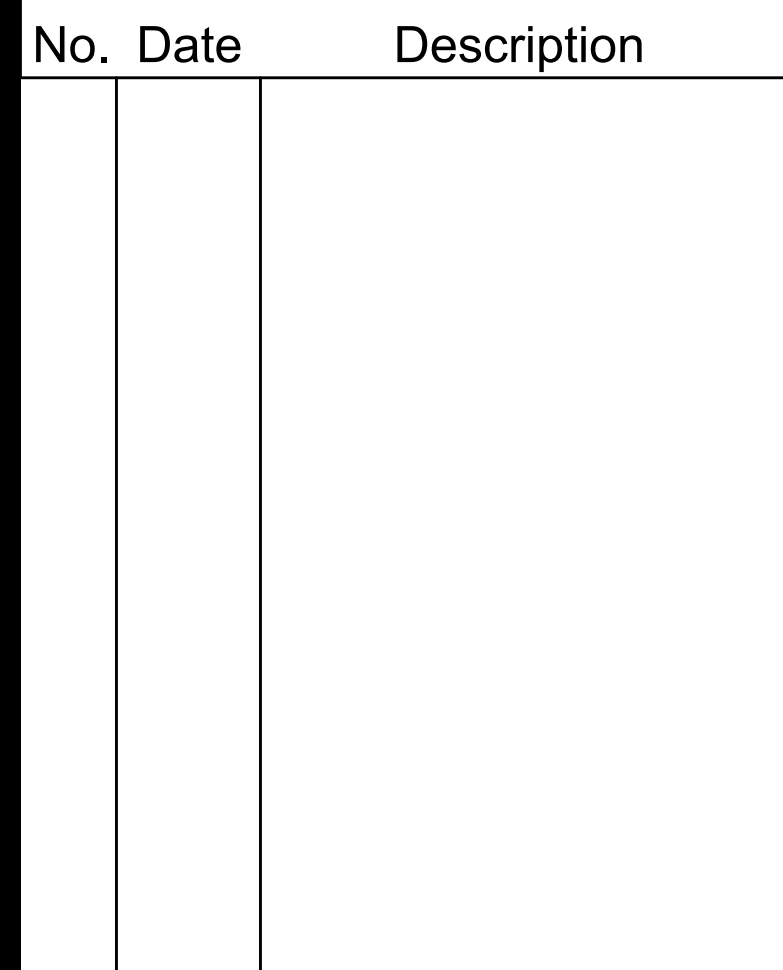
CITY OF DYERSBURG - ARPA STREAM
STABILIZATION
ALONG SOUTH BANK OF LEWIS CREEK

BANK STABILIZATION GRADING PLAN

DRAWN BY: MW DESIGNED BY: BT CHECKED BY: TH Q.A.Q.C BY: SSR	
PHASE: CDs DATE: 05/30/25	DRAWING NO: C3.2



6055 Primacy Parkway,
Suite 401
Memphis, TN 38119
(901) 683-3900
www.ssr-inc.com
SSR Project #: 24410490



CITY OF DYERSBURG - ARPA STREAM
STABILIZATION
ALONG SOUTH BANK OF LEWIS CREEK

BANK STABILIZATION GRADING PLAN

DRAWING NO:

C3.3



1. PRE-CONSTRUCTION GROUND COVER SHALL NOT BE DESTROYED, REMOVED OR DISTURBED MORE THAN 14 DAYS PRIOR TO GRADING OR EARTH MOVING ACTIVITIES UNLESS THE AREA IS SUBSEQUENTLY TEMPORARILY OR PERMANENTLY STABILIZED.
2. EPCS MEASURES MUST BE IN PLACE AN FUNCTIONAL BEFORE EARTH MOVING OPERATIONS BEGIN, AND MUST BE CONSTRUCTED AND MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD. TEMPORARY MEASURES MAY BE REMOVED AT THE BEGINNING OF THE WORKDAY, BUT MUST BE REPLACED AT THE END OF THE WORKDAY.
3. SEDIMENT MUST BE REMOVED FROM SEDIMENT TRAPS, SILT FENCES, SEDIMENTATION BASINS, AND OTHER SEDIMENT CONTROLS WHEN DESIGN CAPACITY HAS BEEN REDUCED BY 50%
4. LITTER, CONSTRUCTION DEBRIS AND CONSTRUCTION CHEMICALS EXPOSED TO STORMWATER SHALL BE PICKED UP PRIOR TO STORM EVENTS OR BEFORE BEING CARRIED OFF OF THE SITE BY WIND SO THAT THEY DO NOT BECOME A POLLUTANT SOURCE FOR STORMWATER DISCHARGES. EROSION PREVENTION AND SEDIMENT CONTROL MATERIALS (E.G., SILT FENCE) SHOULD BE REMOVED OR OTHERWISE PREVENTED FROM BECOMING A POLLUTANT SOURCE FOR STORMWATER DISCHARGES.
5. OFF-SITE VEHICLE TRACKING OF SEDIMENT AND THE GENERATION OF DUST SHALL BE MINIMIZED. A STABILIZED CONSTRUCTION ACCESS SHALL BE DESCRIBED AND IMPLEMENTED, AS NEEDED, TO REDUCE THE TRACKING OF MUD AND DIRT ONTO PUBLIC ROADS BY CONSTRUCTION VEHICLES.
6. PERMITTEES SHALL MAINTAIN A RAIN GAUGE AND DAILY RAINFALL RECORDS AT THE SITE, OR USE A REFERENCE SITE FOR A RECORD OF DAILY PRECIPITATION.
7. INSPECTIONS SHALL BE PERFORMED AT LEAST TWICE EVERY CALENDAR WEEK. INSPECTIONS SHALL BE PERFORMED AT LEAST 72 HOURS APART.
8. TWICE WEEKLY INSPECTIONS CAN BE PERFORMED BY: A) A PERSON WITH A VALID CERTIFICATION FROM THE "FUNDAMENTALS OF EROSION PREVENTION AND SEDIMENT CONTROL LEVEL 1" COURSE, B) A LICENSED PROFESSIONAL ENGINEER OR LANDSCAPE ARCHITECT, C) A CERTIFIED PROFESSIONAL IN EROSION AND SEDIMENT CONTROL (EPSC) OR D) A PERSON WHO HAS SUCCESSFULLY COMPLETED THE "LEVEL 2 DESIGN PRINCIPLES FOR EROSION AND PREVENTION AND SEDIMENT CONTROL FOR CONSTRUCTION SITES" COURSE.
9. MAINTENANCE NEEDS IDENTIFIED IN INSPECTIONS OR BY OTHER MEANS SHALL BE ACCOMPLISHED BEFORE THE NEXT STORM EVENT, BUT IN NO CASE MORE THAN SEVEN DAYS AFTER THE NEED IS IDENTIFIED.
10. MUDDY WATER TO PUMPED FORM EXCAVATION AND WORK AREAS MUST BE HELD IN SETTLING BASINS, FILTERED OR CHEMICALLY TREATED PRIOR TO ITS DISCHARGE INTO SURFACE WATERS. WATER MUST BE DISCHARGED THROUGH A PIPE, GRASSED OR LINED CHANNEL OR OTHER EQUIVALENT MEANS SO THAT THE DISCHARGE DOES NOT CAUSE EROSION AND SEDIMENTATION. DISCHARGED WATER MUST NOT CAUSE AN OBJECTIONABLE COLOR CONTRAST WITH THE RECEIVING STREAM.
11. STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS POSSIBLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED. TEMPORARY OR PERMANENT SOIL STABILIZATION AT THE CONSTRUCTION SITE MUST BE COMPLETED NO LATER THAN 14 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED.
12. THE FOLLOWING RECORDS SHALL BE MAINTAINED ON OR NEAR THE SITE: THE DATE 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.

SSR
 5055 Primacy Parkway,
 Suite 401
 Memphis, TN 38119
 (901) 683-3900
www.ssr-inc.com
 SSR Project #: 24410490



No.	Date	Description



CITY OF
DYERSBURG

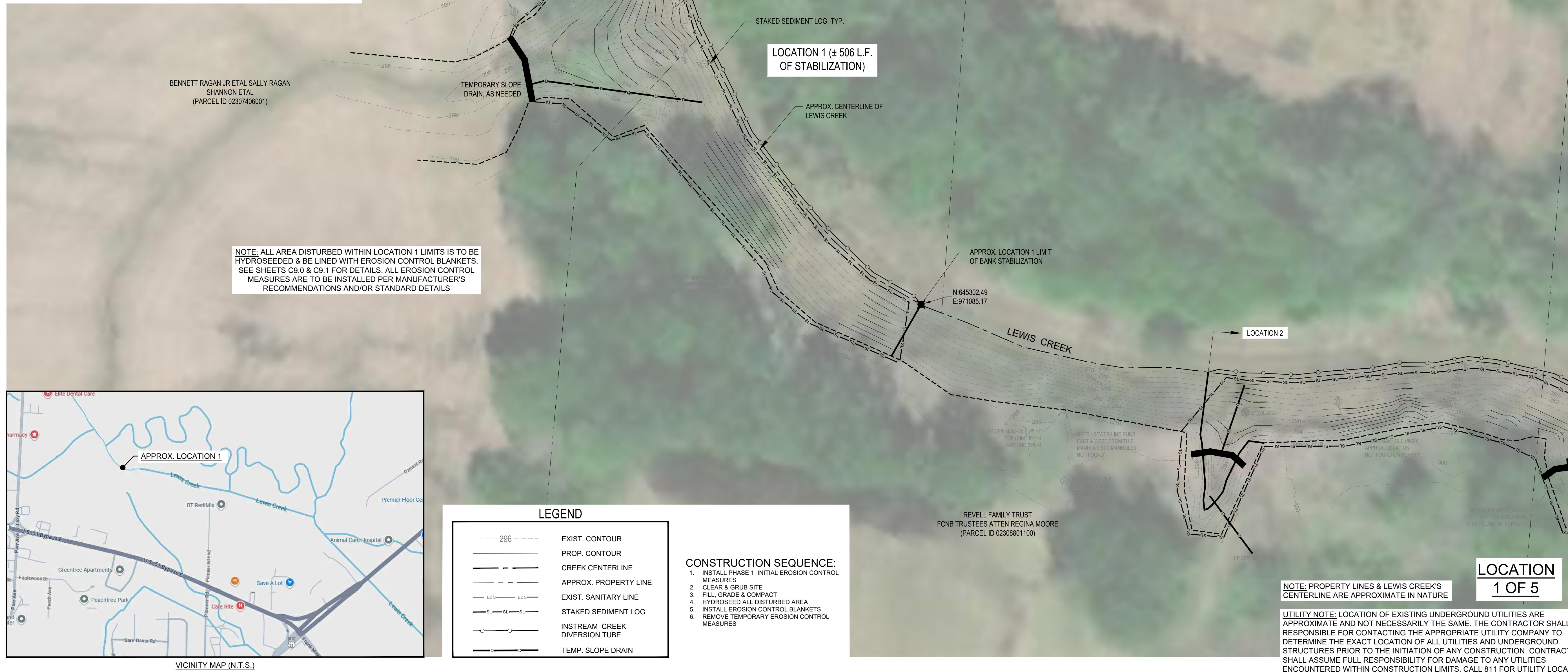
CITY OF DYERSBURG - ARPA STREAM
STABILIZATION
ALONG SOUTH BANK OF LEWIS CREEK

BANK STABILIZATION
EROSION CONTROL PLAN

DRAWN BY: MW
DESIGNED BY: BT
CHECKED BY: TH
Q.A.Q.C. BY: SSR

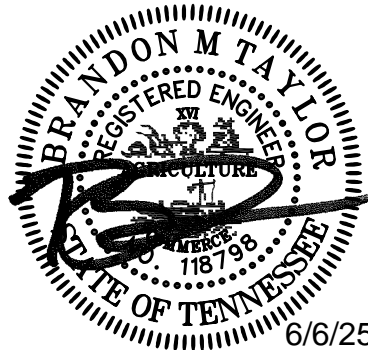
PHASE:	CDs
DATE:	05/30/25

DRAWING NO:
C4.0





6055 Primacy Parkway,
Suite 401
Memphis, TN 38119
(901) 683-3900
www.ssr-inc.com
SSR Project #: 24410490



No.	Date	Description
-----	------	-------------



CITY OF
DYERSBURG

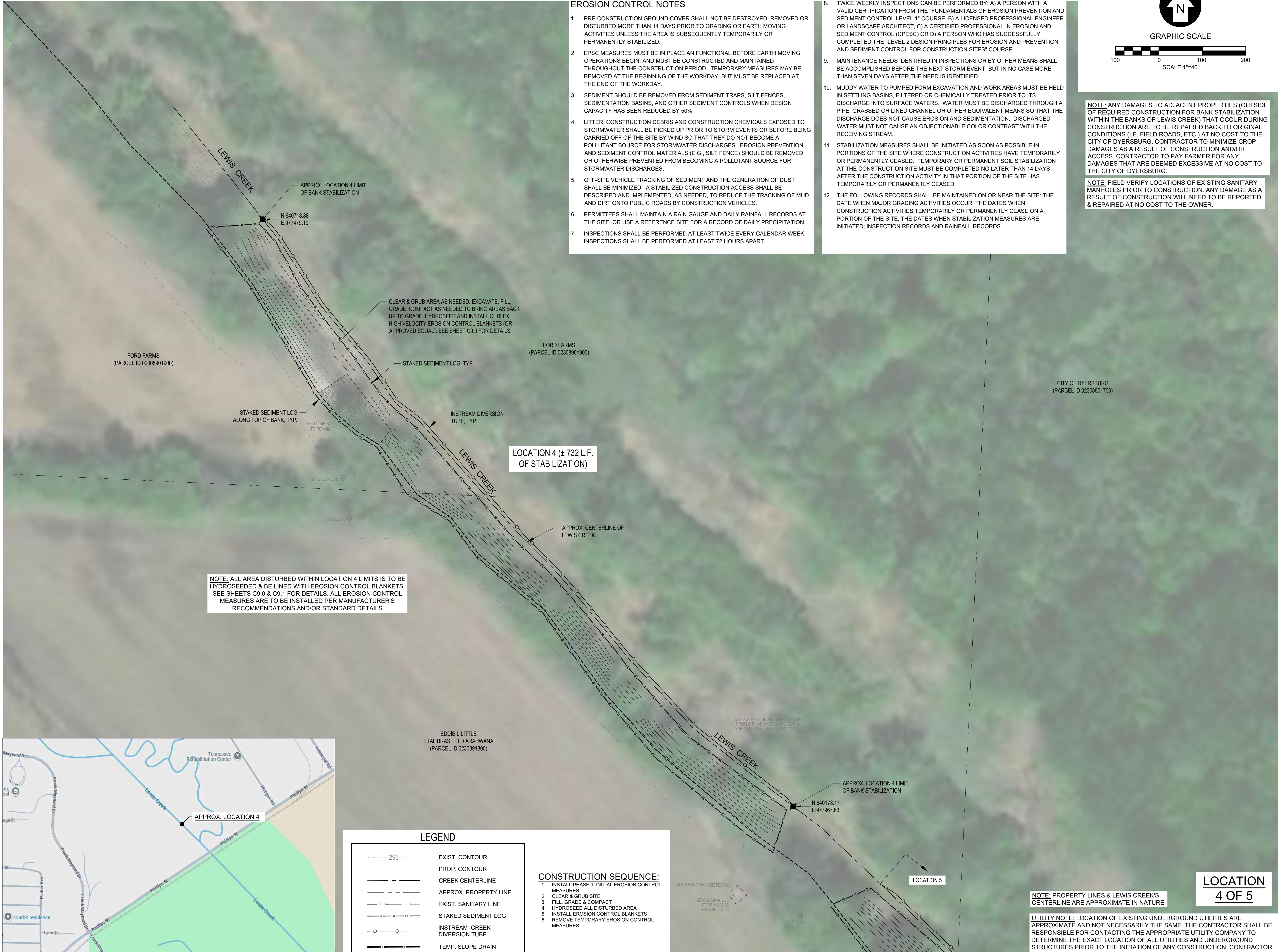
CITY OF DYERSBURG - ARPA STREAM
STABILIZATION
ALONG SOUTH BANK OF LEWIS CREEK

BANK STABILIZATION
EROSION CONTROL PLAN

DRAWN BY: MW
DESIGNED BY: BT
CHECKED BY: TH
Q.A.Q.C. BY: SSR

PHASE: CDs
DATE: 05/30/25

DRAWING NO:
C4.1



6055 Primacy Parkway,
Suite 401
Memphis, TN 38119
(901) 683-3900
www.ssr-inc.com
SSR Project #: 24410490



No.	Date	Description
-----	------	-------------



CITY OF
DYERSBURG

CITY OF DYERSBURG - ARPA STREAM
STABILIZATION
ALONG SOUTH BANK OF LEWIS CREEK

BANK STABILIZATION
EROSION CONTROL PLAN

DRAWN BY: MW
DESIGNED BY: BT
CHECKED BY: TH
Q.A.Q.C. BY: SSR

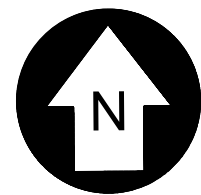
PHASE: CDs
DATE: 05/30/25

DRAWING NO:
C4.2



EROSION CONTROL NOTES

1. PRE-CONSTRUCTION GROUND COVER SHALL NOT BE DESTROYED, REMOVED OR DISTURBED MORE THAN 14 DAYS PRIOR TO GRADING OR EARTH MOVING ACTIVITIES UNLESS THE AREA IS SUBSEQUENTLY TEMPORARILY OR PERMANENTLY STABILIZED.
2. EPSC MEASURES MUST BE IN PLACE AN FUNCTIONAL BEFORE EARTH MOVING OPERATIONS BEGIN, AND MUST BE CONSTRUCTED AND MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD. TEMPORARY MEASURES MAY BE REMOVED AT THE BEGINNING OF THE WORKDAY, BUT MUST BE REPLACED AT THE END OF THE WORKDAY.
3. SEDIMENT SHOULD BE REMOVED FROM SEDIMENT TRAPS, SILT FENCES, SEDIMENTATION BASINS, AND OTHER SEDIMENT CONTROLS WHEN DESIGN CAPACITY HAS BEEN REDUCED BY 50%
4. LITTER, CONSTRUCTION DEBRIS AND CONSTRUCTION CHEMICALS EXPOSED TO STORMWATER SHALL BE PICKED UP PRIOR TO STORM EVENTS OR BEFORE BEING CARRIED OFF OF THE SITE BY WIND SO THAT THEY DO NOT BECOME A POLLUTANT SOURCE FOR STORMWATER DISCHARGES. EROSION PREVENTION AND SEDIMENT CONTROL MATERIALS (E.G., SILT FENCE) SHOULD BE REMOVED OR OTHERWISE PREVENTED FROM BECOMING A POLLUTANT SOURCE FOR STORMWATER DISCHARGES.
5. OFF-SITE VEHICLE TRACKING OF SEDIMENT AND THE GENERATION OF DUST SHALL BE MINIMIZED. A STABILIZED CONSTRUCTION ACCESS SHALL BE DESCRIBED AND IMPLEMENTED, AS NEEDED, TO REDUCE THE TRACKING OF MUD AND DIRT ONTO PUBLIC ROADS BY CONSTRUCTION VEHICLES.
6. PERMITTEES SHALL MAINTAIN A RAIN GAUGE AND DAILY RAINFALL RECORDS AT THE SITE, OR USE A REFERENCE SITE FOR A RECORD OF DAILY PRECIPITATION.
7. INSPECTIONS SHALL BE PERFORMED AT LEAST TWICE EVERY CALENDAR WEEK. INSPECTIONS SHALL BE PERFORMED AT LEAST 72 HOURS APART.
8. TWICE WEEKLY INSPECTIONS CAN BE PERFORMED BY: A) A PERSON WITH A VALID CERTIFICATION FROM THE "FUNDAMENTALS OF EROSION PREVENTION AND SEDIMENT CONTROL LEVEL 1" COURSE, B) A LICENSED PROFESSIONAL ENGINEER OR LANDSCAPE ARCHITECT, C) A CERTIFIED PROFESSIONAL IN EROSION AND SEDIMENT CONTROL (CPESC) OR D) A PERSON WHO HAS SUCCESSFULLY COMPLETED THE "LEVEL 2 DESIGN PRINCIPLES FOR EROSION AND PREVENTION AND SEDIMENT CONTROL FOR CONSTRUCTION SITES" COURSE.
9. MAINTENANCE NEEDS IDENTIFIED IN INSPECTIONS OR BY OTHER MEANS SHALL BE ACCOMPLISHED BEFORE THE NEXT STORM EVENT, BUT IN NO CASE MORE THAN SEVEN DAYS AFTER THE NEED IS IDENTIFIED.
10. MUDDY WATER TO PUMPED FORM EXCAVATION AND WORK AREAS MUST BE HELD IN SETTLING BASINS, FILTERED OR CHEMICALLY TREATED PRIOR TO ITS DISCHARGE INTO SURFACE WATERS. WATER MUST BE DISCHARGED THROUGH A PIPE, GRASSED OR LINED CHANNEL OR OTHER EQUIVALENT MEANS SO THAT THE DISCHARGE DOES NOT CAUSE EROSION AND SEDIMENTATION. DISCHARGED WATER MUST NOT CAUSE AN OBJECTIONABLE COLOR CONTRAST WITH THE RECEIVING STREAM.
11. STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS POSSIBLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED. TEMPORARY OR PERMANENT SOIL STABILIZATION AT THE CONSTRUCTION SITE MUST BE COMPLETED NO LATER THAN 14 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED.
12. THE FOLLOWING RECORDS SHALL BE MAINTAINED ON OR NEAR THE SITE: THE DATE 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.



GRAPHIC SCALE



NOTE: ANY DAMAGES TO ADJACENT PROPERTIES (OUTSIDE OF REQUIRED CONSTRUCTION FOR BANK STABILIZATION WITHIN THE BANKS OF LEWIS CREEK) THAT OCCUR DURING CONSTRUCTION ARE TO BE REPAIRED BACK TO ORIGINAL CONDITIONS (I.E. FIELD ROADS, ETC.) AT NO COST TO THE CITY OF DYERSBURG. CONTRACTOR TO MINIMIZE CROP DAMAGES AS A RESULT OF CONSTRUCTION AND/OR ACCESS. CONTRACTOR TO PAY FARMER FOR ANY DAMAGES THAT ARE DEEMED EXCESSIVE AT NO COST TO THE CITY OF DYERSBURG.

NOTE: FIELD VERIFY LOCATIONS OF EXISTING SANITARY MANHOLES PRIOR TO CONSTRUCTION. ANY DAMAGE AS A RESULT OF CONSTRUCTION WILL NEED TO BE REPORTED & REPAIRED AT NO COST TO THE OWNER.



6055 Primacy Parkway,
Suite 401
Memphis, TN 38119
(901) 683-3900
www.ssr-inc.com
SSR Project #: 24410490



No.	Date	Description
-----	------	-------------



CITY OF
DYERSBURG

CITY OF DYERSBURG - ARPA STREAM
STABILIZATION
ALONG SOUTH BANK OF LEWIS CREEK

BANK STABILIZATION
EROSION CONTROL PLAN

DRAWN BY: MW
DESIGNED BY: BT
CHECKED BY: TH
Q.A.Q.C. BY: SSR

PHASE: CDs
DATE: 05/30/25

DRAWING NO:
C4.3

LOCATION
5 OF 5

NOTE: PROPERTY LINES & LEWIS CREEK'S CENTERLINE ARE APPROXIMATE IN NATURE

UTILITY NOTE: LOCATION OF EXISTING UNDERGROUND UTILITIES ARE APPROXIMATE AND NOT NECESSARILY THE SAME. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE APPROPRIATE UTILITY COMPANY TO DETERMINE THE EXACT LOCATION OF ALL UTILITIES AND UNDERGROUND STRUCTURES PRIOR TO THE INITIATION OF ANY CONSTRUCTION. CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR DAMAGE TO ANY UTILITIES ENCOUNTERED WITHIN CONSTRUCTION LIMITS. CALL 811 FOR UTILITY LOCATIONS.

THIS PROJECT AREA IS WITHIN THE ATLANTIC GULF COAST PLAIN AND REGION 3

THE SEED MIXTURE BELOW IS FROM ROUNDSTONE NATIVE SEED, LLC

CALL: 888-531-2353 / 270-531-3034
WEBSITE: WWW.ROUNDSTONESEED.COM

SEED MIXTURE 168 - SOUTHERN RIPARIAN BUFFER MIX

RECOMMENDED SEED RATE: 10.4 PLS POUNDS / ACRE

SEED MIXTURE BELOW:

Common Name	Botanical Name	PLS Oz.
-------------	----------------	---------

Virginia Wild Rye	Elymus virginicus	2.40
-------------------	-------------------	------

Barnyard Grass	Echinochloa muricata	0.50
----------------	----------------------	------

Upland Bentgrass	Agrostis perennans	0.02
------------------	--------------------	------

Big Bluestem	Andropogon gerardii	1.40
--------------	---------------------	------

Deer Tongue Grass	Panicum clandestinum	1.40
-------------------	----------------------	------

Fall Panicum	Panicum anceps	1.40
--------------	----------------	------

Switchgrass	Panicum virgatum	2.40
-------------	------------------	------

Fox Sedge	Carex vulpinoidea	0.48
-----------	-------------------	------

Wild Serina	Cassia marilandica	1.00
-------------	--------------------	------

Illinois Bundleflower	Desmanthus illinoensis	0.50
-----------------------	------------------------	------

False Sunflower	Heliopsis	0.60
	helianthoides	

Spiked Blazing Star	Liatris spicata	0.50
---------------------	-----------------	------

Bergamot	Monarda fistulosa	0.10
----------	-------------------	------

Cup Plant	Silphium perfoliatum	1.00
-----------	----------------------	------

Showy Tickseed	Bidens aristosa	0.60
----------------	-----------------	------

Joe-Pye Weed	Eupatorium fistulosum	0.20
--------------	-----------------------	------

Sneezeweed	Helenium autumnale	0.20
------------	--------------------	------

Yellow Wingstem	Verbesina alternifolia	0.50
-----------------	------------------------	------

Iron Weed	Vernonia altissima	0.40
-----------	--------------------	------

Narrow-Leaved Sunflower	Helianthus angustifolius	0.40
-------------------------	--------------------------	------

CONTRACTOR TO USE THIS SEED MIX OR EQUAL. IF THE CONTRACTOR WISHES TO USE ANOTHER BRAND OF SEED AND/OR, THE SEED MIXTURE MUST BE ADEQUATE FOR GROWING REGION AND SUNLIGHT CONDITION. SUBMIT AN ALTERNATE SEED MIXTURE FOR APPROVAL.



Curlex® High Velocity™
EROSION CONTROL BLANKET
SPECIFICATION

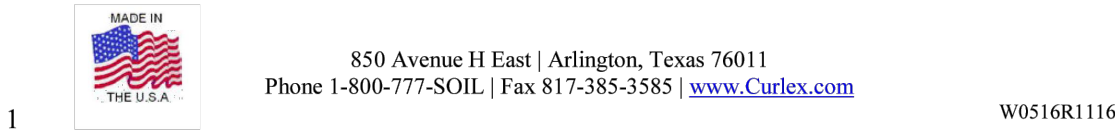
PART I - GENERAL

1.01 Summary

- A. The erosion control blanket contains excelsior wood fiber for the purpose of erosion control and revegetation as described herein.
- B. This work shall consist of furnishing and installing the erosion control blanket; including fine grading, blanketing, stapling, and miscellaneous related work, in accordance with these standard specifications and at the locations identified on drawings or designated by the owner's representative. This work shall include all necessary materials, labor, supervision, and equipment for installation of a complete system.
- C. All work of this section shall be performed in accordance with the conditions and requirements of the contract documents.
- D. The erosion control blanket shall be used to prevent surface erosion and enhance revegetation. Based on a project-by-project engineering analysis, the blanket shall be suitable for the following applications:
1. Slope protection
 2. Channel and ditch linings
 3. Reservoir embankments and spillways
 4. Culvert inlets and outfalls
 5. Dikes, levees, and riverbanks

1.02 Performance Requirements

- A. Erosion control blanket shall provide a temporary, biodegradable cover material to reduce slope and/or channel erosion and enhance revegetation. Erosion control blanket performance capabilities shall be determined by ASTM D 6459, "Determination of Erosion Control Blanket (ECB) Performance in Protecting Hillslopes from Rainfall-Induced Erosion."



3.02 Site Preparation

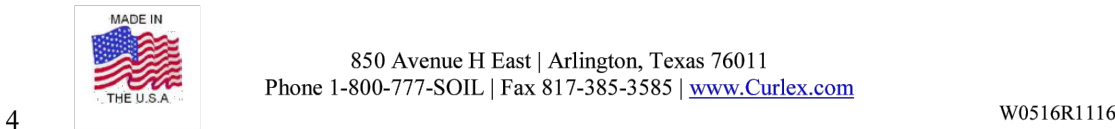
- A. Before placing erosion control blanket, the Contractor shall certify that the subgrade has been properly compacted, has been graded smooth, has no depressions, voids, soft or uncompacted areas, is free from obstructions such as tree roots, protruding stones or other foreign matter, and is seeded and fertilized according to project specifications. The Contractor shall not proceed until all unsatisfactory conditions have been remedied. By beginning construction, the Contractor signifies that the preceding work is in conformance with this specification.
- B. Contractor shall fine grade the subgrade by hand dressing where necessary to remove local deviations.
- C. No vehicular traffic shall be permitted directly on the erosion control blanket.
- NOTE: Topsoiling, seeding, and fertilizing is not included in this specification.

3.03 Slope Installation

- A. Erosion control blanket shall be installed as directed by the owner's representative in accordance with manufacturer's Installation Guidelines, Staple Pattern Guides, and CAD details. The extent of erosion control blanket shall be as shown on the project drawings.
- B. Erosion control blanket shall be orientated in vertical strips and anchored with staples, as identified in the Staple Pattern Guide. Adjacent strips shall be abutted or overlapped to allow for installation of a common row of staples that anchor through the nettings of both blankets. Horizontal joints between erosion control blankets shall be sufficiently overlapped with the uphill end on top for a common row of staples so that the staples anchor through the nettings of both blankets.
- C. Where exposed to overland sheet flow, a trench shall be located at the uphill termination. Erosion control blanket shall be stapled to the bottom of the trench. The trench shall be backfilled and compacted. Where feasible, the uphill end of the blanket shall be extended three feet over the crest of the slope.
- D. Slope erosion control blanket shall be overlapped by the channel erosion control blanket sufficiently for a common row of staples to anchor through the nettings of both blankets when terminating into a channel.

3.04 Channel Installation

- A. Erosion control blanket shall be installed as directed by the owner's representative in accordance with manufacturer's Installation Guidelines, Staple Pattern Guides, and CAD details. The extent of erosion control blanket shall be as shown on the project drawings.
- B. Erosion control blanket shall be installed parallel to the flow of water. The first roll shall be centered longitudinally in mid-channel and anchored with staples as identified in the Staple Pattern Guide. Subsequent rolls shall follow from channel center outward and be overlapped to allow installation of a common row of staples so that the staples anchor through the nettings of both blankets.



EROSION CONTROL BLANKET TO BE CURLEX HIGH VELOCITY (OR APPROVED TYPE II EQUAL).
CONTRACTOR TO INSTALL PER MANUFACTURER'S RECOMMENDATIONS. CONTACT SUPPLIER /
MANUFACTURER FOR ANY INSTALLATION QUESTIONS AND/OR DETAILS

B. Blanket performance requirements:

Slopes:	≤ .75H:1V
C factor:	.022
Shear Stress:	3.25 lb/ft ² (156 Pa)
Velocity:	11 ft/sec (3.4 m/sec)
Functional Longevity*:	36+ months

*Functional Longevity varies from region to region because of differences in climatic conditions.

1.03 Submittals

- A. Submittals shall include complete design data, Product Data Sheets, Product Netting Information, SDS, Staple Pattern Guides, Installation Guidelines, Manufacturing Material Specifications, Manufacturing Certifications, CAD details, and a Manufacturing Quality Control Program. In addition, the Manufacturer shall provide reference installations similar in size and scope to that specified for the project.

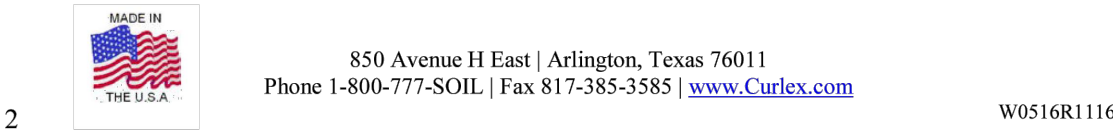
1.04 Delivery, Storage, and Handling

- A. Erosion control blanket shall be furnished in rolls and wrapped with suitable material to protect against moisture intrusion and extended ultraviolet exposure prior to placement. Each roll shall be labeled with a date code identification, which allows for sufficient tracking of the product back to date of manufacturing and for quality control purposes.
- B. Erosion control blanket shall be of consistent thickness with fibers distributed evenly over the entire area of the blanket.
- C. Erosion control blanket shall be free of defects and voids that would interfere with proper installation or impair performance.
- D. Erosion control blanket shall be stored by the Contractor in a manner that protects them from damage by construction activities.

PART II - PRODUCTS

2.01 Erosion Control Blanket

- A. Erosion control blanket shall be Curlex High Velocity (HV), as manufactured by American Excelsior Company, Arlington, TX (1-866-9FIBERS).
- B. Curlex High Velocity erosion control blanket (ECB) consists of a specific cut of naturally seed free Great Lakes Aspen curled wood excelsior with 80% of the fiber ≥ 6 inches in length. It is of consistent thickness with fibers evenly distributed throughout the entire area of the blanket. The top and bottom of each blanket is covered with HV black polypropylene netting containing oxo-biodegrader and UV additives. Curlex High Velocity is also available as QuickGRASS® (green pigment). Curlex High Velocity shall be manufactured in the U.S.A.



- C. Successive lengths of erosion control blanket shall be overlapped sufficiently for a common row of staples with the upstream end on top. Staple the overlap across the end of each of the overlapping lengths so that staples anchor through the nettings of both blankets.

- D. A termination trench shall be located at the upstream termination. Erosion control blanket shall be stapled to the bottom of the trench. The trench shall be backfilled and compacted.

3.05 Quality Assurance

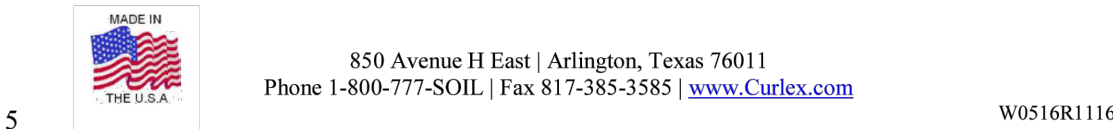
- A. Erosion control blanket shall not be defective or damaged. Damaged or defective materials shall be replaced at no additional cost to the owner.
- B. Product shall be manufactured in accordance to a documented Quality Control Program. At a minimum, the following procedures and documentation shall be provided upon request:
1. Manufacturing Quality Control Program Manual
 2. First piece inspection and documentation of products produced to assure component materials and finished product tolerances are within manufacturer specifications.
 3. Additional inspections for product conformance shall be conducted during the run after the first piece inspection.
 4. Moisture content readings recorded for each manufacturing day.
 5. Recorded weight of every erosion control blanket manufactured.
 6. Each individual erosion control blanket shall be inspected, weighed, and documented prior to packaging for conformance to manufacturing specifications.
 7. Documentation and record retention for at least two years.

3.06 Clean-up

- A. At the completion of this scope of work, Contractor shall remove from the job site and properly dispose of all remaining debris, waste materials, excess materials, and equipment required of or created by Contractor. Disposal of waste materials shall be solely the responsibility of Contractor and shall be done in accordance with applicable waste disposal regulations.

3.07 Method of Measurement

- A. The erosion control blanket shall be measured by the square yard of surface area covered. No measurement for payment shall be made for overlaps, fine grading, trenching, staples, or other miscellaneous materials necessary for placement of the erosion control blanket.



C. Erosion control blanket shall have the following material characteristics:

Width	4.0 ft (1.2 m)	8.0 ft (2.4 m)
Length	100.0 ft (30.5 m)	50.0 ft (15.2 m)
Area	44.4 yd ² (37.1 m ²)	44.4 yd ² (37.1 m ²)
Weight ^a	71.9 lb (32.6 kg)	71.9 lb (32.6 kg)
Fiber Count	±15,500 per yd ² (±18,600 per m ²)	±15,500 per yd ² (±18,600 per m ²)
Fiber Length (80% min.)	≥6.0 in (≥15.2 cm)	≥6.0 in (≥15.2 cm)
Mass per Unit Area (± 10%)	1.62 lb/yd ² (0.88 kg/m ²)	1.62 lb/yd ² (0.88 kg/m ²)
Net Openings	Polypropylene 0.75 in x 0.75 in (19.1 mm x 19.1 mm)	0.75 in x 0.75 in (19.1 mm x 19.1 mm)

TYPICAL INDEX VALUES

Index Property	Test Method	Value
Thickness	ASTM D 652	0.537 in (13.6 mm)
Light Penetration	ECTC Procedure	55%
Resiliency	ASTM D 1777/ECTC	53%
Mass per Unit Area	ASTM D 5261/ECTC	1.26 lb/yd ² (0.684 kg/m ²)
MD-Tensile Strength Max.	ASTM D 6818	279.6 lb/ft (4.08 kN/m)
TD-Tensile Strength Max.	ASTM D 6818	215.6 lb/ft (3.12 kN/m)
MD-Elongation	ASTM D 6818	23.1%
TD-Elongation	ASTM D 6818	24.7%
Swell	ECTC Procedure	48%
Water Absorption	ASTM D 1117/ECTC	194%
Bench-Scale Rain Splash	ASTM D 7101	SLR = 12.84 @ 2 in/hr ^{a,d}
Bench-Scale Rain Splash	ASTM D 7101	SLR = 12.27 @ 4 in/hr ^{a,d}
Bench-Scale Rain Splash	ASTM D 7101	SLR = 11.76 @ 6 in/hr ^{a,d}
Bench-Scale Shear	ASTM D 7207	4.2 lb/ft ² @ 0.5 in soil loss ^d
Germination Improvement	ASTM D 7522	616%

^a Weight is based on a dry fiber weight basis at time of manufacture. Baseline moisture content of Great Lakes Aspen excelsior is 22%.

^d SLR is the Soil Loss Ratio, as reported by NTPEP/AASHTO. ^b Bench-scale index values should not be used for design purposes.

2.02 Staples

- A. Staples shall be a minimum 4 in biodegradable E-Staple[®], as provided by American Excelsior Company, or 6 in wire for cohesive soils and 6 in biodegradable E-Staple[®], as provided by American Excelsior Company, or 8 in wire for non-cohesive soils. All staples shall have a U-shaped top.

PART III - EXECUTION

3.01 Blanket Supplier Representation

- A. Contractor shall coordinate with the blanket supplier for a qualified representative to be present at the job site on the start of installation to provide technical assistance as needed. Contractor shall remain solely responsible for the quality of installation.

3.08 Basis of Payment

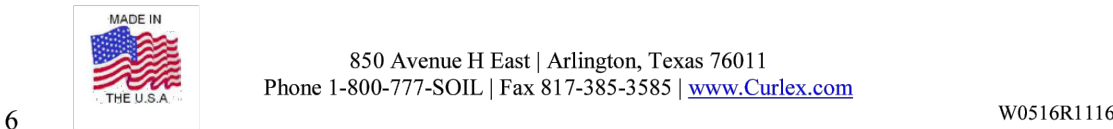
- A. The accepted quantities of erosion control blanket shall be paid for at the contract unit price per square yard, complete in place.

Payment shall be made under:

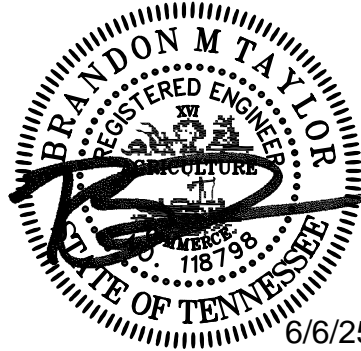
Pay Item
Erosion Control Blanket

Pay Unit
Square Yards

Disclaimer: Curlex is a system for erosion control and revegetation on slopes and channels. American Excelsior Company (AEC) believes that the information contained herein to be reliable and accurate for use in erosion control and revegetation applications. However, since physical conditions vary from job site to job site and even within a given job site, AEC makes no performance guarantee and assumes no obligation or liability for the reliability or accuracy of information contained herein for the results, safety, or suitability of using Curlex, or for damages occurring in connection with the installation of any erosion control product whether or not made by AEC or its affiliates, except as separately and specifically made in writing. These specifications are subject to change without notice.



6055 Primacy Parkway,
Suite 401
Memphis, TN 38119
(901) 683-3900
www.ssr-inc.com
SSR Project #: 24410490



No. Date Description



CITY OF
DYERSBURG

CITY OF DYERSBURG - ARPA STREAM
STABILIZATION
ALONG SOUTH BANK OF LEWIS CREEK

CONSTRUCTION
DETAILS

DRAWN BY: MW
DESIGNED BY: BT
CHECKED BY: TH
Q.A./Q.C. BY: SSR

PHASE: CDs
DATE: 05/30/25

DRAWING NO:
C9.0

