

- APPROX. LOCATION 1 LIMIT OF BANK STABILIZATION 4K PROPERTIES LLC (PARCEL ID 02307406100)

N:645721.60 E:970838.08

> EDDIE E ANDERSON (PARCEL ID 02307406101)

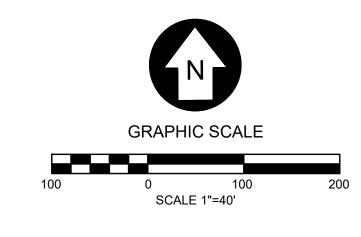
- APPROX. 506 L.F. OF BANK STABILIZATION

> APPROX. CENTERLINE OF LEWIS CREEK APPROX. LOCATION 1 LIMIT OF BANK STABILIZATION N:645302.49 E:971085.17 TE INTO AREA THAT IS ADEOUATELY 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 C9.0 FOR DETAILS

LOCATION 2

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

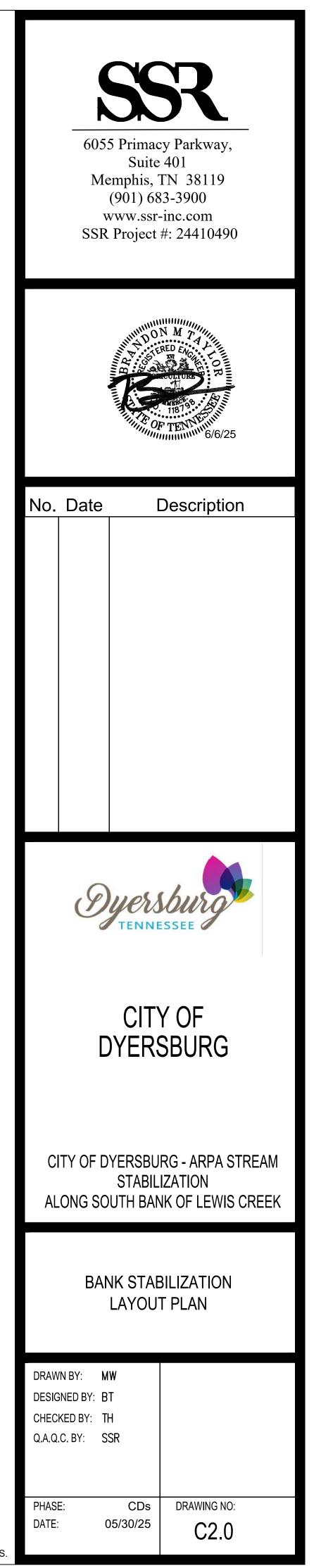


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NOTE: PROPERTY LINES & LEWIS CREEK'S CENTERLINE ARE APPROXIMATE IN NATURE

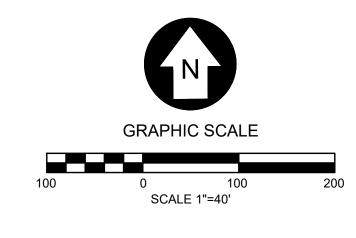
UTILITY NOTE: LOCATION OF EXISTING UNDERGROUND UTILITIES ARE APPROXIMATE AND NOT NECESSARILY THE SAME. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE APPROPRIATE UTILITY COMPANY TO DETERMINE THE EXACT LOCATION OF ALL UTILITIES AND UNDERGROUND STRUCTURES PRIOR TO THE INITIATION OF ANY CONSTRUCTION.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

LOCATION





**IGNACIO MUNOZ** (PARCEL ID 02307406200) APPROX. 534 L.F. OF - APPROX. LOCATION 2 LIMIT BANK STABILIZATION OF BANK STABILIZATION N:645172.42 E:971814.81 CREEK - TIE INTO AREA THAT IS ADEQUATELY LOCATION 2 STABILIZED APPROX. LOCATION 3 LIMIT OF BANK STABILIZATION N:645076.05 E:972096.11 TIE INTO AREA THAT -----IS ADEQUATELY STABILIZED LOCATION 3 IGNACIO MUNOZ (PARCEL ID 02307406200) 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 C9.0 FOR DETAILS



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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

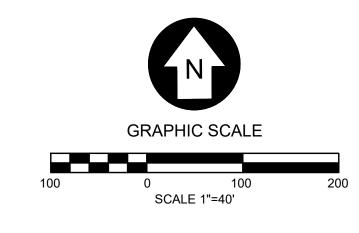
DRAWN BY:	MW	
DESIGNED BY:	BT	
CHECKED BY:	TH	
Q.A.Q.C. BY:	SSR	
PHASE:	CDs	DRAWING NO:
DATE:	05/30/25	C2.1

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No. Date

Description



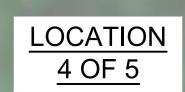
# CITY OF DYERSBURG

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	DRAWING NO:
DATE:	05/30/25	C2.2

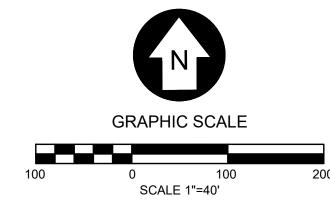
CITY OF DYERSBURG (PARCEL ID 02308901700)

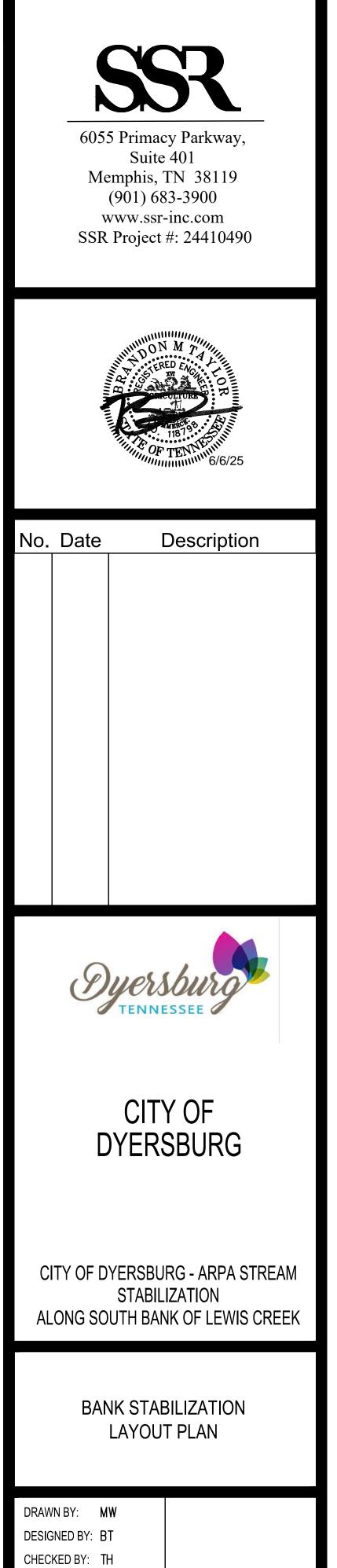


NOTE: PROPERTY LINES & LEWIS CREEK'S CENTERLINE ARE APPROXIMATE IN NATURE

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.







PHASE: DATE:

Q.A.Q.C. BY: SSR

CDs 05/30/25

DRAWING NO: C2.3



1. ALL NEWLY CUT OR FILLED AREAS, LACKING ADEQUATE VEGETATION, SHALL BE SEEDED, MULCHED, FERTILIZED

2. THE CONTRACTOR SHALL PROVIDE ADEQUATE AND EFFECTIVE EROSION CONTROL AS NECESSARY TO PREVENT

3. ALL FILL SOILS SHALL BE COMPACTED TO A MINIMUM OF 95% OF STANDARD PROCTOR DENSITY (ASTM D-698) WITHIN 3% OF OPTIMUM MOISTURE CONTENT IN LIFTS NOT TO EXCEED SIX (6) INCHES OF COMPACTED

4. ALL CONSTRUCTION MATERIALS AND PROCEDURES SHALL MEET OR EXCEED TDOT STANDARD CONSTRUCTION

5. VERIFY SITE CONDITIONS PRIOR TO CONSTRUCTION. NOTIFY THE CITY OF DYERSBURG ENGINEER OF ANY

AND/OR SODDED AS REQUIRED TO EFFECTIVELY CONTROL SOIL EROSION.

ANY SILTATION INTO EXISTING RIVER AND OR ADJACENT PROPERTIES.

VARIATIONS PRIOR TO COMMENCEMENT OF WORK.

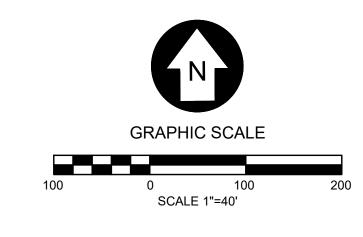
GENERAL GRADING NOTES:

THICKNESS.

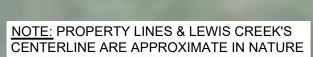
SPECIFICATIONS.



BENNETT RAGAN JR ETAL SALLY RAGAN SHANNON ETAL (PARCEL ID 02307406001)



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- SEWER MANHOLE (#I-20)

APPROX. LOCATION

(NOT FOUND ON SURVEY)

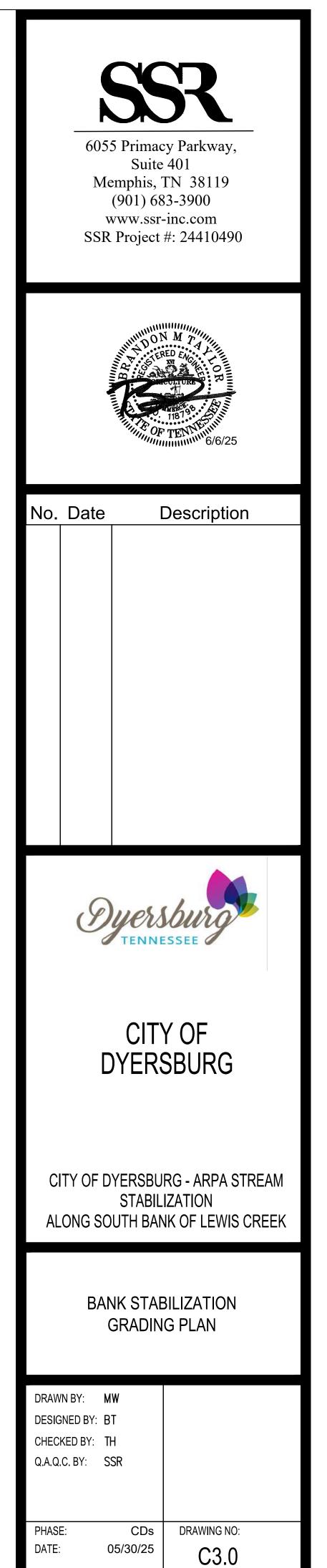
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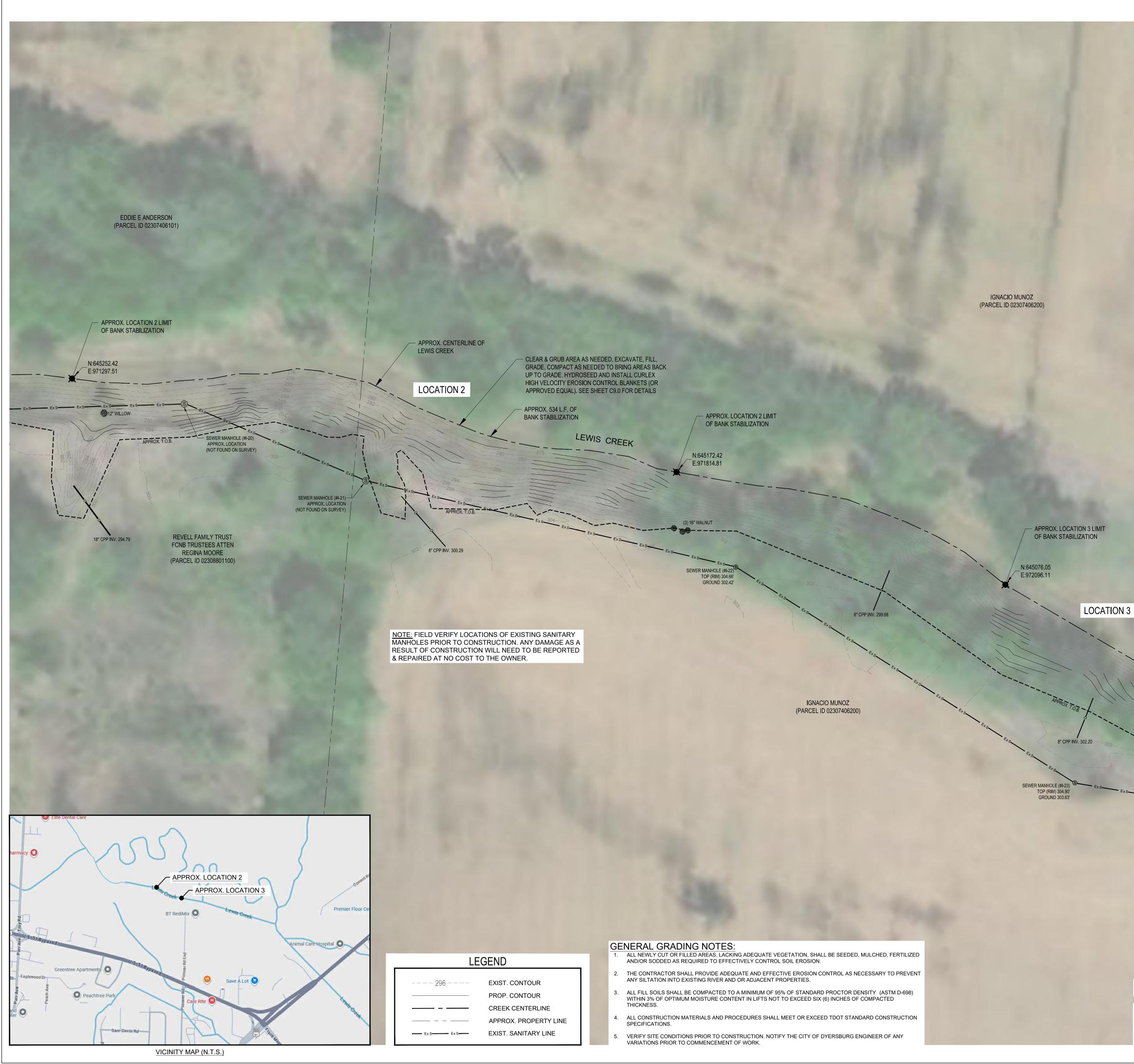
SEWER MANHOLE (#I-21)

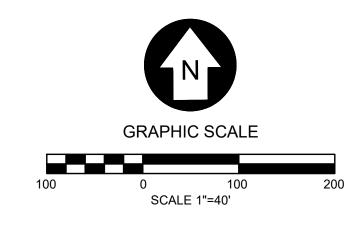
(NOT FOUND ON SURVEY)

APPROX. LOCATION

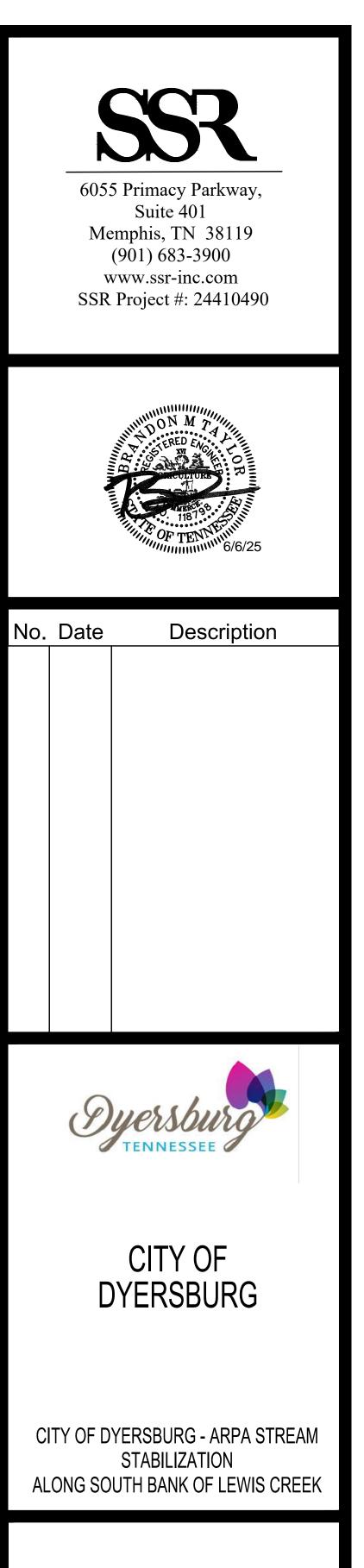
LOCATION







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# BANK STABILIZATION GRADING PLAN

DRAWN BY:	MW	
DESIGNED BY:	BT	
CHECKED BY:	TH	
Q.A.Q.C. BY:	SSR	
PHASE:	CDs	DRAWING NO:
DATE:	05/30/25	C3.1

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 C9.0 FOR DETAILS

APPROX. LOCATION 3 LIMIT -

OF BANK STABILIZATION

N:644942.11

E:972408.37

8" CPP INV. 301.61

12" ELM

LOCATIONS

2 & 3 OF 5

- APPROX. CENTERLINE OF

LEWIS CREEK

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

- APPROX. 345 L.F. OF BANK STABILIZATION

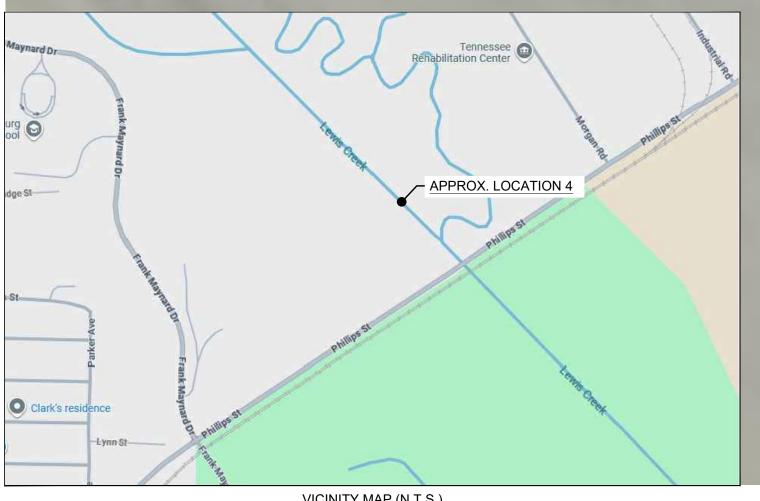
(2) 12" ELM

12" SYCAMOR

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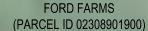
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- 4. ALL CONSTRUCTION MATERIALS AND PROCEDURES SHALL MEET OR EXCEED TDOT STANDARD CONSTRUCTION SPECIFICATIONS.
- 5. VERIFY SITE CONDITIONS PRIOR TO CONSTRUCTION. NOTIFY THE CITY OF DYERSBURG ENGINEER OF ANY VARIATIONS PRIOR TO COMMENCEMENT OF WORK.



EDDIE L LITTLE ETAL BRASFIELD ARAHWANA (PARCEL ID 0230891800)

L	EGEND
	EXIST. CONTOU
	PROP. CONTOL
	CREEK CENTER
	APPROX. PROF
Ex S Ex S	EXIST. SANITAF

VICINITY MAP (N.T.S.)



LOCATION 4

APPROX. CENTERLINE OF LEWIS CREEK

> - 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 C9.0 FOR DETAILS

NOTE: FIELD VERIFY LOCATIONS OF EXISTING SANITARY MANHOLES PRIOR TO CONSTRUCTION. ANY DAMAGE AS A

RESULT OF CONSTRUCTION WILL NEED TO BE REPORTED

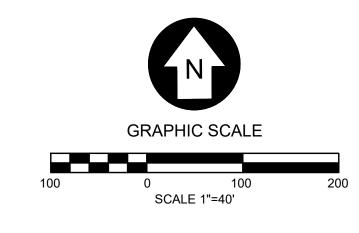
& REPAIRED AT NO COST TO THE OWNER.



- APPROX. LOCATION 4 LIMIT OF BANK STABILIZATION N:640178.17 E:977967.63

LOCATION 5

DUR ERLINE PERTY LINE ARY LINE



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No. Date

Description

(PARCEL ID 02308901700)

CITY OF DYERSBURG



# 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	DRAWING NO:
DATE:	05/30/25	$C_{2,2}$

C3.2

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LOCATION



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> CITY OF DYERSBURG (PARCEL ID 02308901700)

LOCATION 5

33" SYCAMORE (DBLE)

APPROX. 412 L.F. OF BANK STABILIZATION

14" ASH 🗱

28" ELM

ROXTOR

APPROX. CENTERLINE OF LEWIS CREEK

-

28" COTTON

- APPROX. LOCATION 5 LIMIT OF BANK STABILIZATION

PHILLIPS STREET

N:639813.94

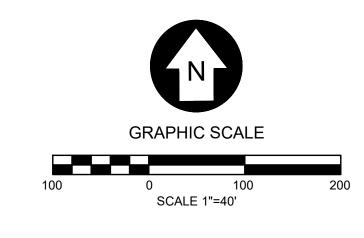
E:978334.70

## **GENERAL GRADING NOTES:** ALL NEWLY CUT OR FILLED AREAS, LACKING ADEQUATE VEGETATION, SHALL BE SEEDED, MULCHED, FERTILIZED AND/OR SODDED AS REQUIRED TO EFFECTIVELY CONTROL SOIL EROSION. THE CONTRACTOR SHALL PROVIDE ADEQUATE AND EFFECTIVE EROSION CONTROL AS NECESSARY TO PREVENT

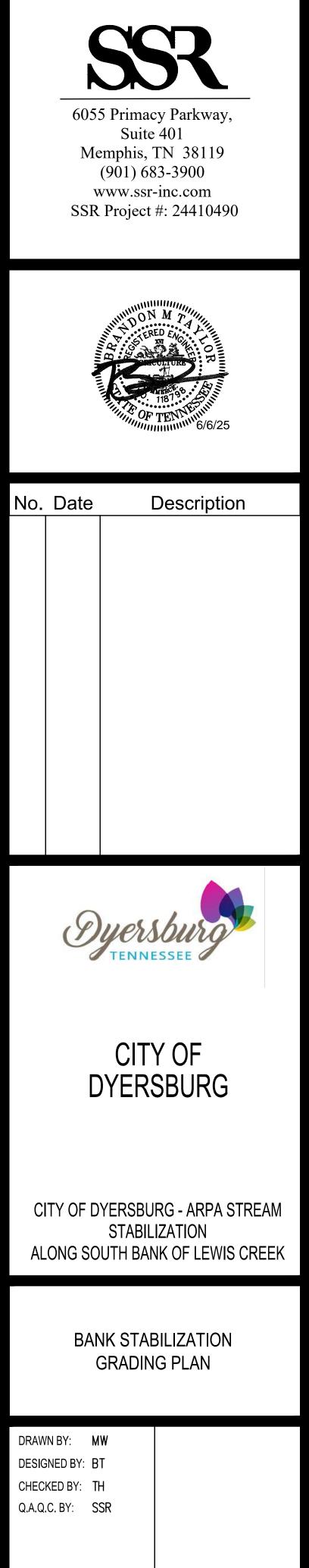
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LOCATION

5 OF 5

CDs 05/30/25

DRAWING NO: C3.3

#### 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.

-----BENNETT RAGAN JR ETAL SALLY RAGAN TEMPORARY SLOPE SHANNON ETAL DRAIN, AS NEEDED (PARCEL ID 02307406001) \_\_\_\_\_\_\_\_\_\_ NOTE: ALL AREA DISTURBED WITHIN LOCATION 1 LIMITS IS TO BE HYDROSEEDED & BE LINED WITH EROSION CONTROL BLANKETS. SEE SHEETS C9.0 & C9.1 FOR DETAILS. ALL EROSION CONTROL MEASURES ARE TO BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS AND/OR STANDARD DETAILS nacy 🖸 APPROX. LOCATION Premier Floor BT RediMix e Hospital 🔘 Greentree Apartments \_\_\_\_\_ Save A Lot 😡 \_\_\_\_\_ —— Ex S—— Ex S—— O Peachtree SL SL SL 0 \_\_\_\_\_ Sam Davis Rd D

VICINITY MAP (N.T.S.)

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**4K PROPERTIES LLC** (PARCEL ID 02307406100)

APPROX. LOCATION 1 LIMIT OF BANK STABILIZATION

N:645721.60 E:970838.08

STAKED SEDIMENT LOG —

ALONG TOP OF BANK, TYP.

SEWER MANHOLE (#I-15) -

GROUND 300.80

- INSTREAM DIVERSION TUBE, TYP.

> - 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 C9.0 FOR DETAILS

- STAKED SEDIMENT LOG, TYP.

LOCATION 1 (± 506 L.F. OF STABILIZATION)

> APPROX. CENTERLINE OF LEWIS CREEK

> > APPROX. LOCATION 1 LIMIT OF BANK STABILIZATION

N:645302.49 E:971085.17

LEWIS CREEK

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

EXIST. CONTOUR PROP. CONTOUR CREEK CENTERLINE APPROX. PROPERTY LINE EXIST. SANITARY LINE STAKED SEDIMENT LOG INSTREAM CREEK DIVERSION TUBE TEMP. SLOPE DRAIN

LEGEND

#### CONSTRUCTION SEQUENCE: INSTALL PHASE 1 INITIAL EROSION CONTROL MEASURES

CLEAR & GRUB SITE FILL, GRADE & COMPACT

MEASURES

HYDROSEED ALL DISTURBED AREA INSTALL EROSION CONTROL BLANKETS REMOVE TEMPORARY EROSION CONTROL

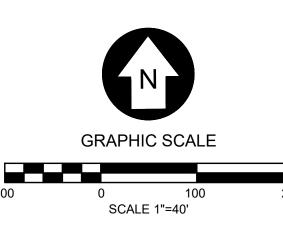


EDDIE E ANDERSON

(PARCEL ID 02307406101

LOCATION 2

LEPROV FOR

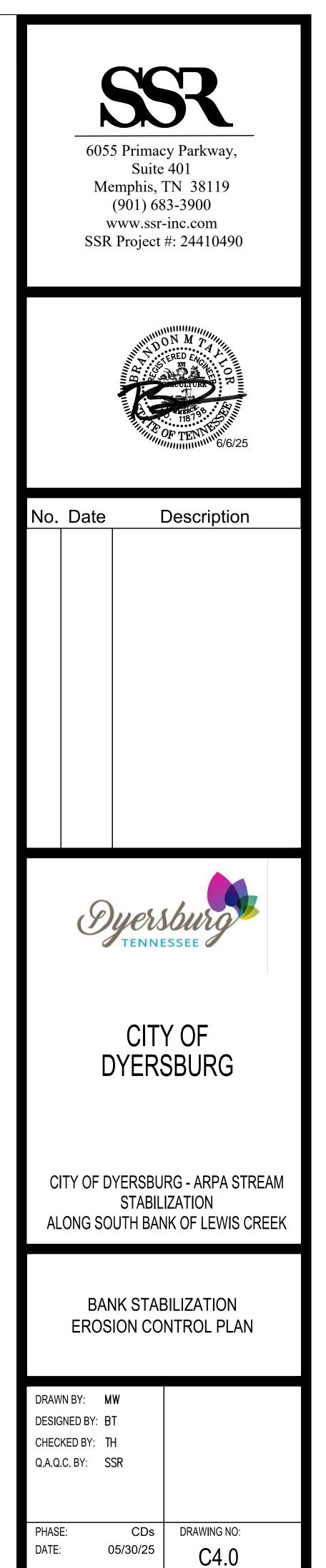


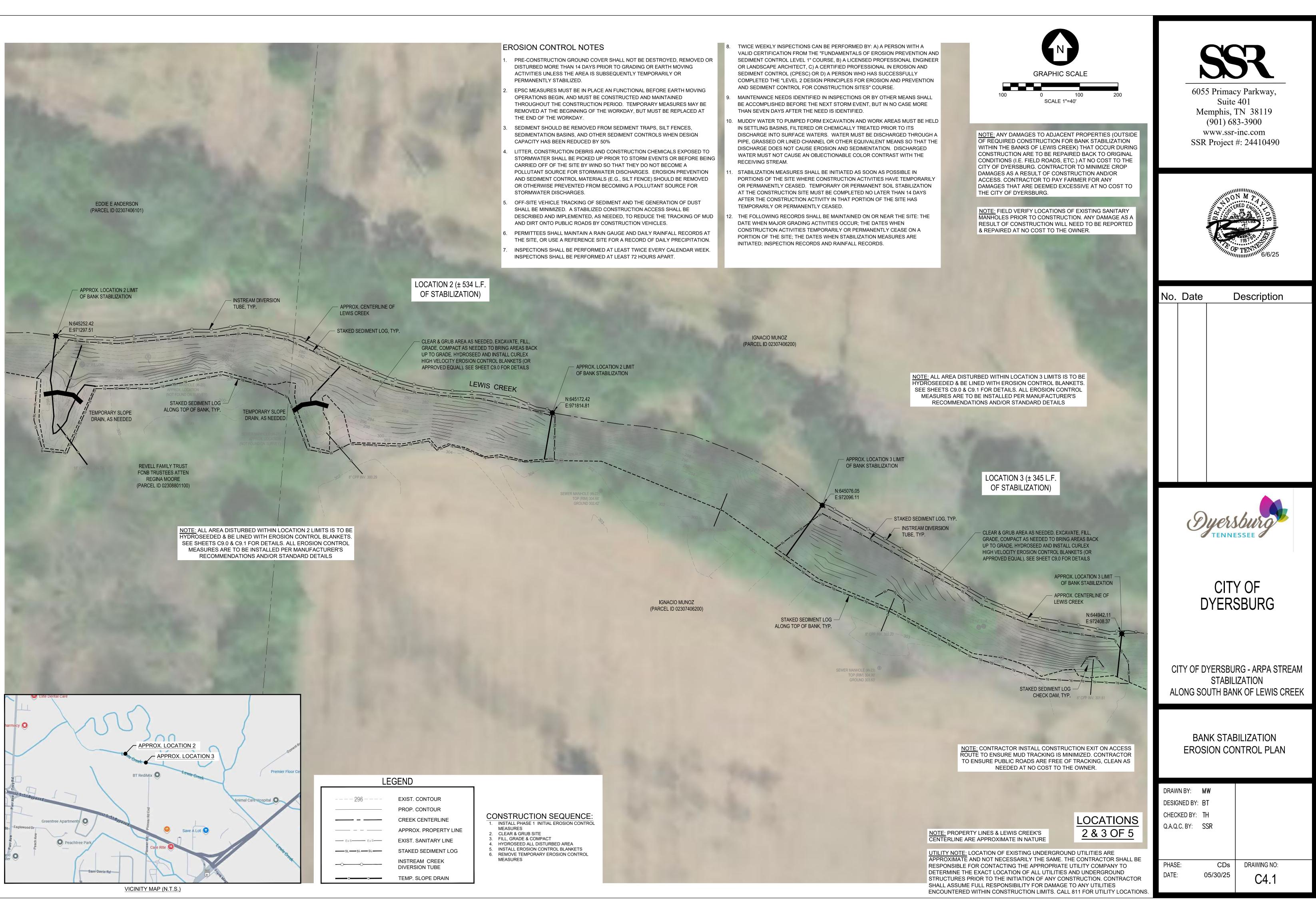
NOTE: ANY DAMAGES TO ADJACENT PROPERTIES (OUTSIDE OF REQUIRED CONSTRUCTION FOR BANK STABILIZATION WITHIN THE BANKS OF LEWIS CREEK) THAT OCCUR DURING CONSTRUCTION ARE TO BE REPAIRED BACK TO ORIGINAL CONDITIONS (I.E. FIELD ROADS, ETC.) AT NO COST TO THE CITY OF DYERSBURG. CONTRACTOR TO MINIMIZE CROP DAMAGES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

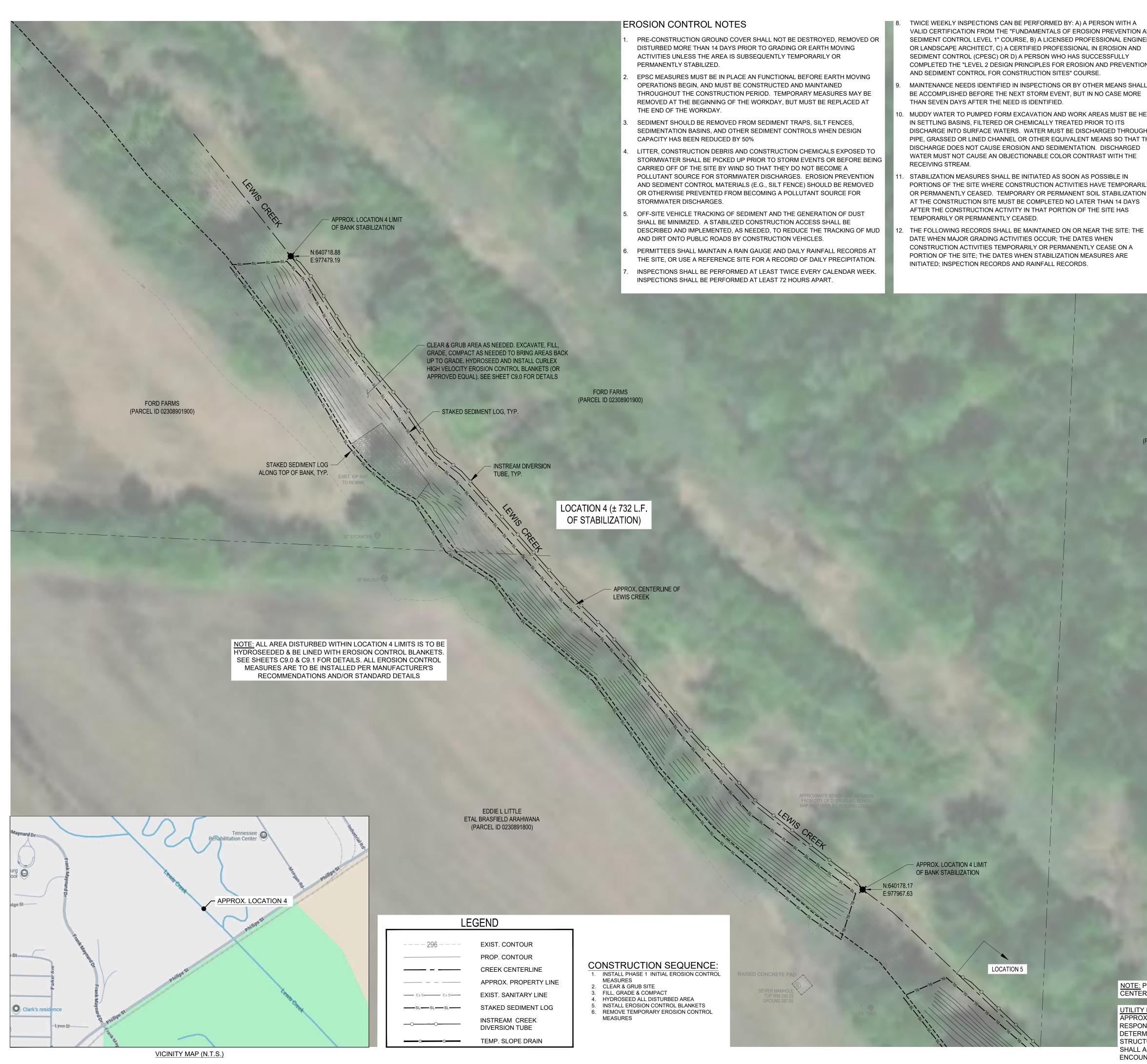
NOTE: PROPERTY LINES & LEWIS CREEK'S CENTERLINE ARE APPROXIMATE IN NATURE

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

LOCATION







- 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
- MAINTENANCE NEEDS IDENTIFIED IN INSPECTIONS OR BY OTHER MEANS SHALL BE ACCOMPLISHED BEFORE THE NEXT STORM EVENT, BUT IN NO CASE MORE
- 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
- 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
- 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

**GRAPHIC SCALE** SCALE 1"=40'

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	

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

JTILITY 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

PHASE: DATE:

LOCATION

4 OF 5

CDs 05/30/25

DRAWING NO: C4.2



#### 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. 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. SEDIMENT SHOULD BE REMOVED FROM SEDIMENT TRAPS, SILT FENCES, SEDIMENTATION BASINS, AND OTHER SEDIMENT CONTROLS WHEN DESIGN CAPACITY HAS BEEN REDUCED BY 50% 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.

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.

PERMITTEES SHALL MAINTAIN A RAIN GAUGE AND DAILY RAINFALL RECORDS AT THE SITE, OR USE A REFERENCE SITE FOR A RECORD OF DAILY PRECIPITATION.

EROSION CONTROL NOTES

- INSPECTIONS SHALL BE PERFORMED AT LEAST TWICE EVERY CALENDAR WEEK. INSPECTIONS SHALL BE PERFORMED AT LEAST 72 HOURS APART.
- 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.
- 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.
- 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.
- 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.
- 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.

PHILLIPS STREET

CITY OF DYERSBURG (PARCEL ID 02308901700)

- APPROX. LOCATION 5 LIMIT OF BANK STABILIZATION

N:639813.94 E:978334.70

NOTE: CONTRACTOR INSTALL CONSTRUCTION EXIT ON ACCESS ROUTE TO ENSURE MUD TRACKING IS MINIMIZED. CONTRACTOR TO ENSURE PUBLIC ROADS ARE FREE OF TRACKING, CLEAN AS NEEDED AT NO COST TO THE OWNER.

> **CONSTRUCTION SEQUENCE:** INSTALL PHASE 1 INITIAL EROSION CONTROL MEASURES CLEAR & GRUB SITE

- STAKED SEDIMENT LOG, TYP.

- INSTREAM DIVERSION

TUBE, TYP.

- 3. FILL, GRADE & COMPACT HYDROSEED ALL DISTURBED AREA
- INSTALL EROSION CONTROL BLANKETS REMOVE TEMPORARY EROSION CONTROL

# MEASURES

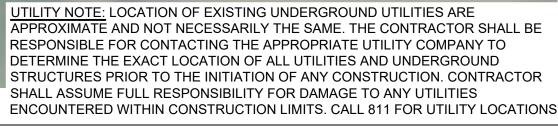
**GRAPHIC SCALE** 

SCALE 1"=40'

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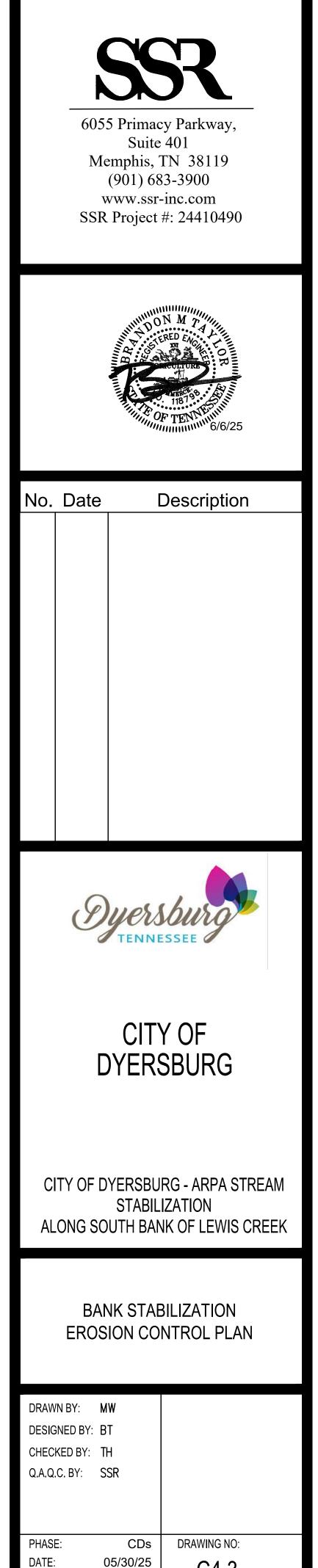
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NOTE: PROPERTY LINES & LEWIS CREEK'S CENTERLINE ARE APPROXIMATE IN NATURE



LOCATION

5 OF 5



C4.3

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

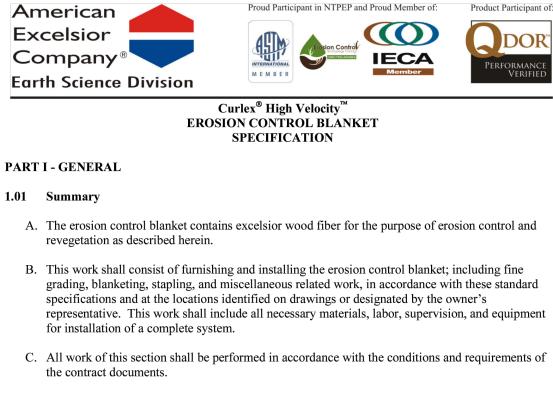
#### SEED MIXTURE 168 - SOUTHERN RIPARIAN BUFFER MIX

### RECOMMENDED SEED RATE: 10.4 PLS POUNDS / ACRE

### SEED MIXTURE BELOW:

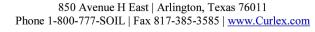
Common Name	Botanical Name	PLS Oz.
Virginia Wild Rye	Elymus virginicus	2.40
Barnyard Grass	Echinochloa muricata	0.50
Upland Bentgrass	Agrostis perennans	0.02
Big Bluestem	Andropogon gerardii	1.40
Deer Tongue Grass	Panicum clandestinum	1.40
Fall Panicum	Panicum anceps	1.40
Switchgrass	Panicum virgatum	2.40
Fox Sedge	Carex vulpinoidea	0.48
Wild Senna	Cassia marilandica	1.00
Illinois Bundleflower	Desmanthus illin <mark>oe</mark> nsis	0.50
False Sunflower	Heliopsis helianthoides	0.60
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 <mark>al</mark> tissima	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



- 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
А.	Before placing erosion control blanket, the Contractor shall cert properly compacted, has been graded smooth, has no depression is free from obstructions such as tree roots, protruding stones or and fertilized according to project specifications. The Contract unsatisfactory conditions have been remedied. By beginning co that the preceding work is in conformance with this specification
В.	Contractor shall fine grade the subgrade by hand dressing where deviations.
C.	No vehicular traffic shall be permitted directly on the erosion co
	NOTE: Topsoiling, seeding, and fertilizing is not included in this specific
3.03	Slope Installation
А.	Erosion control blanket shall be installed as directed by the own with manufacturer's Installation Guidelines, Staple Pattern Guide erosion control blanket shall be as shown on the project drawing
B.	Erosion control blanket shall be orientated in vertical strips and in the Staple Pattern Guide. Adjacent strips shall be abutted or of a common row of staples that anchor through the nettings of between erosion control blankets shall be sufficiently overlapped common row of staples so that the staples anchor through the net
C.	Where exposed to overland sheet flow, a trench shall be located control blanket shall be stapled to the bottom of the trench. The compacted. Where feasible, the uphill end of the blanket shall be of the slope.
D.	Slope erosion control blanket shall be overlapped by the channel for a common row of staples to anchor through the nettings of b channel.
3.04	Channel Installation
A.	Erosion control blanket shall be installed as directed by the own with manufacturer's Installation Guidelines, Staple Pattern Guid erosion control blanket shall be as shown on the project drawing
B.	Erosion control blanket shall be installed parallel to the flow of centered longitudinally in mid-channel and anchored with staple

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.



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## 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

W0516R1116

ertify that the subgrade has been ions, voids, soft or uncompacted areas, or other foreign matter, and is seeded

ctor shall not proceed until all construction, the Contractor signifies ion. ere necessary to remove local

control blanket. ication.

wner's representative in accordance ides, and CAD details. The extent of ings.

nd anchored with staples, as identified r overlapped to allow for installation of both blankets. Horizontal joints ped with the uphill end on top for a nettings of both blankets.

ed at the uphill termination. Erosion he trench shall be backfilled and l be extended three feet over the crest

nel erosion control blanket sufficiently f both blankets when terminating into a

wner's representative in accordance ides, and CAD details. The extent of ings.

of water. The first roll shall be ples as identified in the Staple Pattern

W0516R1116

•	Blanket performance requirements:			
	Slopes:	≤.75H		
	C factor:	.022		
	Shear Stress:	3.25 lb		
	Velocity:	11 ft/se		
	Functional Longevity <sup>a</sup> :	36+ m		

H:1V  $b/ft^{2}(156 Pa)$ sec (3.4 m/sec) nonths <sup>a</sup> 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  $\geq 6$  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 oxobiodegrader and UV additives. Curlex High Velocity is also available as QuickGRASS<sup>®</sup> (green pigment). Curlex High Velocity shall be manufactured in the U.S.A.



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W0516R1116



3.08 Basis of Payment

3

square yard, complete in place. Payment shall be made under:

Pay Item Erosion Control Blanket

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

- 5

- 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.





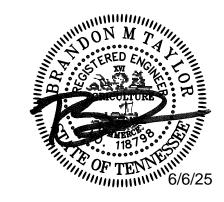
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W0516R1116

6



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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: DATE:

DRAWING NO: CDs 05/30/25 C9.0

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

	v	Vidth	4.0 ft (1.2 m)	8.0 ft (2.4 m)
	L	ength	100.0 ft (30.5 m)	50.0 ft (15.2 m)
		Area	$44.4 \text{ yd}^2 (37.1 \text{ m}^2)$	$44.4 \text{ yd}^2 (37.1 \text{ m}^2)$
	W	eight <sup>b</sup>	71.9 lb (32.6 kg)	71.9 lb (32.6 kg)
			$\approx 15,500 \text{ per yd}^2$	$\approx 15,500 \text{ per yd}^2$
	F 1D C	er Count	$(\approx 18,600 \text{ per m}^2)$	(≈18,600 per m <sup>2</sup> )
	Fiber Leng	gth (80% min.)	≥6.0 in (≥15.2 cm)	≥6.0 in (≥15.2 cm)
	Mass pe	er Unit Area	$1.62 \text{ lb/yd}^2$	$1.62 \text{ lb/yd}^2$
	(±	:10%)	$(0.88 \text{ kg/m}^2)$	$(0.88 \text{ kg/m}^2)$
	Net	Dalamanalana	0.75 in x 0.75 in	0.75 in x 0.75 in
	Openings	Polypropylene	(19.1 mm x 19.1 mm)	(19.1 mm x 19.1 mm)
MD-Tens TD-Tens MD-Elor TD-Elon Swell Water Af Bench-Sc Bench-Sc Bench-Sc	operty s etration y Unit Area sile Strength M le Strength M agation gation scorption cale Rain Spla cale Rain Spla	Test ASTT ECTC ASTT ASTT ASTT fax. ASTT ax. ASTT ECTC ASTT sh ASTT sh ASTT sh ASTT sh ASTT	Method M D 6525 C Procedure M D 1777/ECTC M D 5261/ECTC M D 6818 M D 6818 M D 6818 M D 6818 C Procedure M D 1117/ECTC M D 7101 M D 7101 M D 7101 M D 7101	Value 0.537 in (13.6 mm) 55% 1.26 lb/yd <sup>2</sup> (0.684 kg 279.6 lb/ft (4.08 kN/ 213.6 lb/ft (3.12 kN/ 23.1% 24.7% 48% 194% SLR = 12.84 @ 2 in/ SLR = 12.27 @ 4 in/ SLR = 11.76 @ 6 in/
	ale Shear		M D 7207	$4.2 \text{ lb/ft}^2 @ 0.5 \text{ in so}$

**ASTM D 732** 

 $kg/m^2$ ) SLR =  $11.76 @ 6 in/hr^{c,d}$ 4.2 lb/ft<sup>2</sup> @ 0.5 in soil loss <sup>d</sup>

<sup>b</sup> Weight is based on a dry fiber weight basis at time of manufacture. Baseline moisture content of Great Lakes Aspen excelsior is 22%. <sup>c</sup> SLR is the Soil Loss Ratio, as reported by NTPEP/AASHTO. <sup>d</sup> Bench-scale index values should not be used for design purposes.

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

PART III - EXECUTION

Germination Improvemen

2.02 Staples

shaped top.

#### 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.

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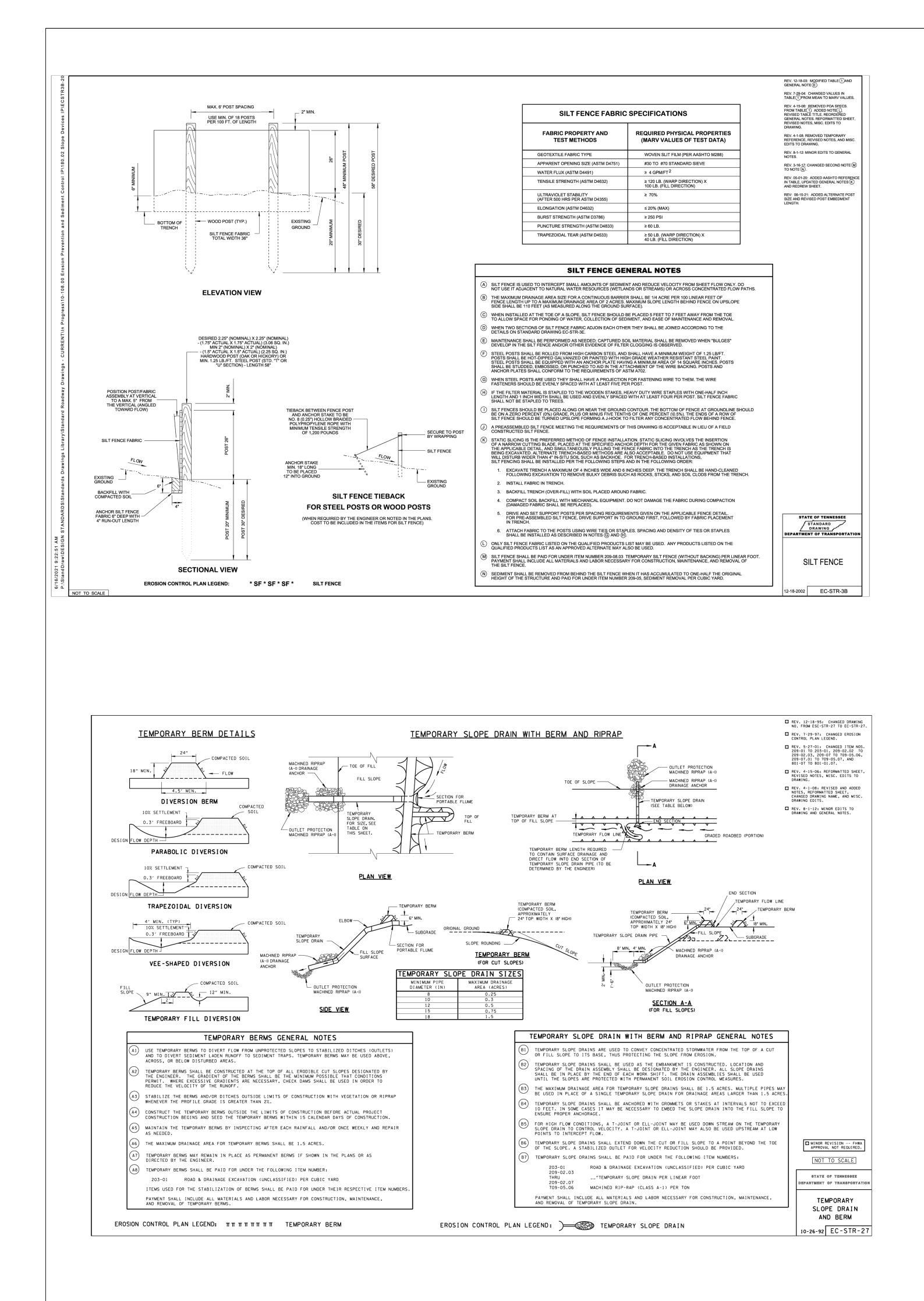
A. The accepted quantities of erosion control blanket shall be paid for at the contract unit price per

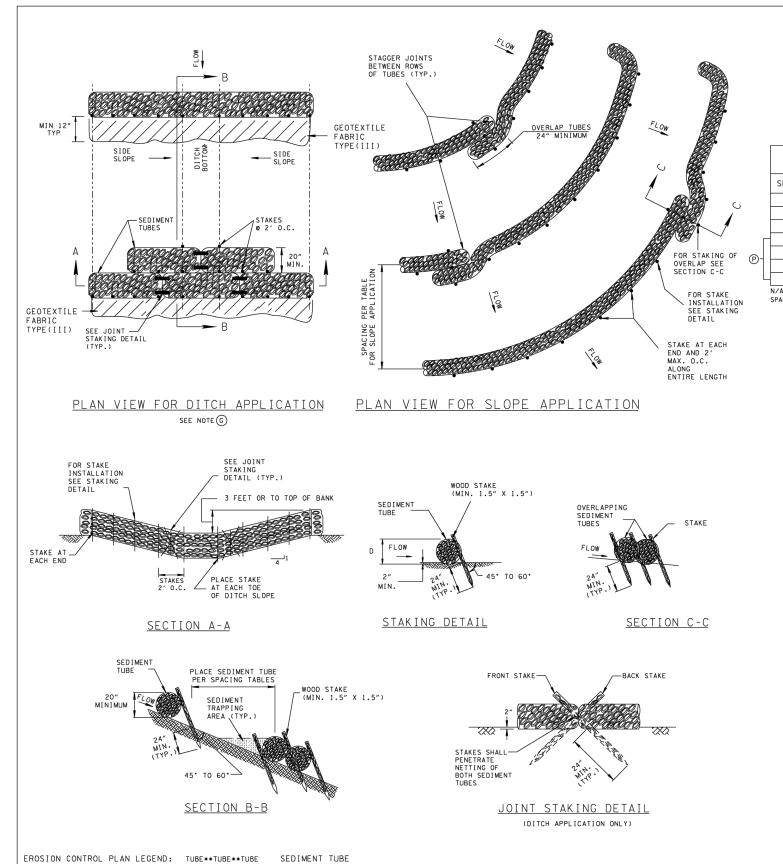
<u>Pay Unit</u> Square Yards

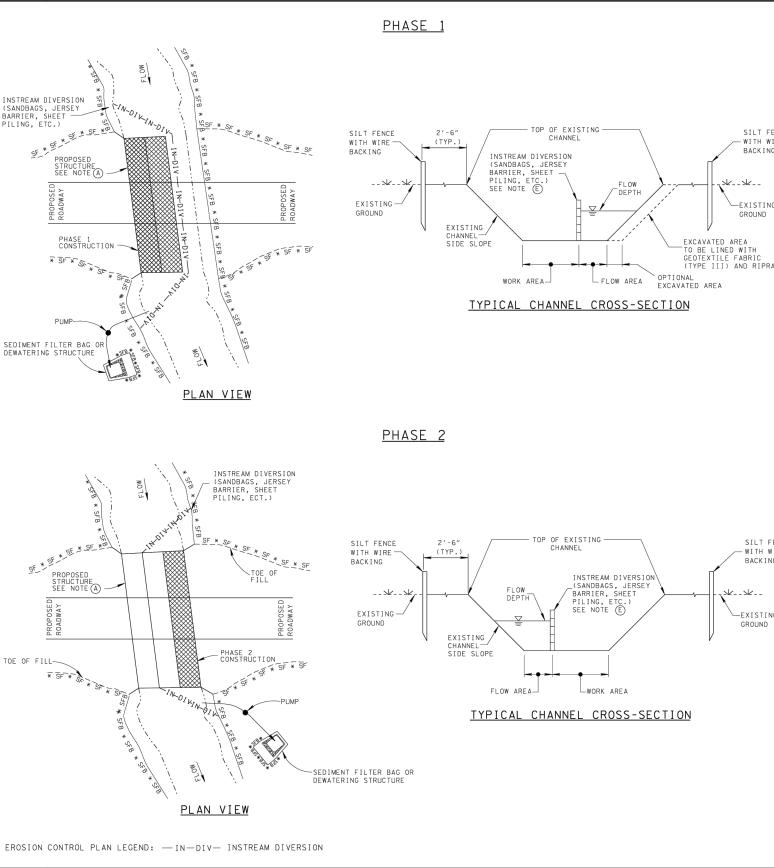
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W0516R1116







	REVI PREV REFE OTHE CENE REV. NOTE	. 6-10-14: MODIFIED SPACING LES. ADDED GEOTEXTILES ADDED	6055 Primacy	R Parkway,
F 0 SLOPE 8 2% 7 5% 3 10% 2 6:1 N 4:1 N	O'         BO'         N/A         N/A           O'         60'         80'         N/A         N/A           O'         60'         80'         N/A         N/A           O'         30'         70'         80'         80'           /A         20'         40'         50'         55'           /A         20'         30'         30'         30'           /A         20'         20'         25'         6%         20'           /A         N/A         20'         20'         20'         6%         20'           COMMENDED         BASED ON A 20' SEDIMENT TUBE         BASED ON A 20' SEDIMENT TUBE         BASED ON A 20' SEDIMENT TUBE		Suite Memphis, T (901) 683 www.ssr-F SSR Project #	N 38119 3-3900 inc.com
To AND       B     SED       OF     SED       C     FOR       WHI     MAX       DRA       D     SED       LOC     COC       NET       F     PIN       ACC       OF       SED       U       SED       U       SED       U       SED       U       OF       SED       U       OF       SED       OF       OF	SEDIMENT TUBE GENERAL NOTES IMENT TUBES CAN BE PLACED AT THE TOP, ON THE FACE, OR AT THE TOE OF SLOPES INTERCEPT RUNOFF, REDUCE FLOW VELOCITY, RELEASE THE RUNOFF AS SHEET FLOW PROVIDE REMOVAL OF SEDIMENT FROM THE RUNOFF. IMENT TUBES SHALL BE INSTALLED ALONG OR ON THE GROUND CONTOUR, AT THE TOE SLOPES, OR IN A DITCH TO HELP REDUCE THE EFFECTS OF SOIL EROSION AND RETAIN IMENT. SEDIMENT TUBES SHOULD NOT BE USED IN DITCHES OR STREAMS. DITCH APPLICATIONS, THE MAXIMUM DRAINAGE AREA SHALL BE 15 ACRES. AT SITES CH DRAIN TO EXCEPTIONAL TENNESSEE WATERS OR SEDIMENT-IMPAIRED STREAMS, THE IMUM DRAINAGE AREA SHALL BE 10 ACRES. FOR SLOPE APPLICATIONS, THE MAXIMUM INAGE AREAS SHALL BE 10 ACRES. FOR SLOPE APPLICATIONS, THE MAXIMUM INAGE AREAS SHALL BE 10 ACRES. FOR SLOPE APPLICATIONS, THE MAXIMUM INAGE AREAS SHALL BE USED ON PAVEMENT, ROCKY SOILS, OR AT ANY OTHER ATIONS WHERE THE STAKES CANNOT BE DRIVEN TO THE REQUIRED DEPTH. IMENT TUBES SHALL BE MANUFACTURED FROM WOOD EXCELSIOR, RICE OR WHEAT STRAW, ONUT FIBERS, OR HARDWOOD MULCH THAT IS ENCLOSED BY A TUBULAR FLEXIBLE TING MATERIAL. ALL MATERIALS INCLUDING THE NETTING SHALL BE BIODEGRADABLE. E NEEDLE AND LEAF MULCH FILLED SEDIMENT TUBES AND STRAW BALES ARE NOT EPTABLE MATERIALS. DIAMETER OF A SEDIMENT TUBE SHALL BE A MINIMUM OF 8 INCHES AND A MAXIMUM 24 INCHES. DIAMETER TOLERANCE IS 2 INCHES. FOR DITCH APPLICATIONS, IMENT TUBES SHALL BE INSTALLED WITH WOODEN STAKES (MIN. 1.5" × 1.5" JAL). THE STAKE SHALL BE INSTALLED WITH WOODEN STAKES (MIN. 1.5" × 1.5" JAL). THE STAKL SHALL BE TRENCHED IN A MINIMUM OF 2 INCHES.			N M T RED ENCL 118798 TENNED TENNED 6/6/25
TUB FRO SHA (K) FOR AND CON TUB L) SE FO FU (M) SED PAY LAB (N) ONL O SED ACC UND	MORE THAN ONE SEDIMENT TUBE IS PLACED IN A ROW IN SLOPE APPLICATION, THE SS SHALL BE OVERLAPPED A MINIMUM OF 24 INCHES TO PREVENT FLOW AND SEDIMENT M PASSING THROUGH THE FIELD JOINT. WHEN USED IN DITCHES, TWO ROWS OF TUBE LL BE PLACED ON THE CHANNEL BOTTOW WITH STAGGERED JOINTS AS SHOWN. DITCH APPLICATIONS, SEDIMENT TUBES SHALL BE A MINIMUM OF 20 INCH DIAMETER SHALL BE PLACED PERPENDICULAR TO THE FLOW OF WATER. SEDIMENT TUBES SHALL TINCE UP THE SIDE SLOPES A MINIMUM OF 34 FEET PLUS THE DIAMETER OF THE E, OR TO THE TOP OF THE DITCH, WHICHEVER IS LESS. DIMENT TUBES USED IN SLOPE APPLICATIONS MAY REMAIN IN PLACE TO BIODEGRADE. R DITCH APPLICATIONS SEDIMENT TUBES SHALL BE COMPLETELY REMOVED AFTER LLY ESTABLISHED VEGETATION HAS COMPLETELY DEVELOPED. IMENT TUBES SHALL BE PAID FOR UNDER THE FOLLOWING ITEMS NUMBERS: 740-11.01 TEMPORARY SEDIMENT TUBE (18 INCH) PER LINEAR FOOT 740-11.03 TEMPORARY SEDIMENT TUBE (20 INCH) PER LINEAR FOOT 740-11.03 TEMPORARY SEDIMENT TUBE (20 INCH) PER LINEAR FOOT 740-11.03 TEMPORARY SEDIMENT TUBE (20 INCH) PER LINEAR FOOT 740-11.04 TEMPORARY SEDIMENT TUBE (20 INCH) PER LINEAR FOOT 740-11.05 TEMPORARY SEDIMENT TUBE (21 INCH) PER LINEAR FOOT 740-11.04 TEMPORARY SEDIMENT TUBE (21 INCH) PER LINEAR FOOT 740-11.05 TEMPORARY SEDIMENT TUBE (20 INCH) PER LINEAR FOOT 740-11.04 TEMPORARY SEDIMENT TUBE (20 INCH) PER LINEAR FOOT 740-11.05 TEMPORARY SEDIMENT TUBE (21 INCH) PER LINEAR FOOT 740-11.04 TEMPORARY SEDIMENT TUBE (20 INCH) PER LINEAR FOOT 740-11.05 TEMPORARY SEDIMENT TUBE (20 INCH) PER LINEAR FOOT 740-11.04 TEMPORARY SEDIMENT TUBE (20 INCH) PER LINEAR FOOT 740-11.05 TEMPORARY SEDIMENT TUBE (20 INCH) PER LINEAR FOOT 740-11.05 TEMPORARY SEDIMENT TUBE (20 INCH) PER LINEAR FOOT 740-11.05 TEMPORARY SEDIMENT TUBE (20 INCH) PER DIADA FOR 75 NILE THALL INCLUDE ALL MATERIALS (INCLUDING GEOTEXTILE FABRIC IF USED. 11MENT SHALL BE REMOVED FROM BEHIND THE SEDIMENT TUBE MEND AND PAID FOR 75 TITEM NUMBER 209-05, SEDIMENT REMOVAL PER CUBIC YARD. 11EM THAL FABRIC REQUIRED FOR SLOPE APPLICATION STEEPER THAN 6:1.	MINOR REVISION FHWA APPROVAL NOT REQUIRED. NOT TO SCALE STATE OF TENNEBSEE DEPARTMENT OF TRANSPORTATION SEDIMENT TUBE 1-20-06 EC-STR-37	No. Date C	Description
SILT FENCE WITH WIRE BACKING	INSTREAM DIVERSION GENERAL NOTES  A INSTREAM DIVERSIONS ARE GENERALLY USED WHERE IT IS NECESSARY TO MAINTAIN THE STREAM FLOW WITHIN THE EXISTING CHANNEL DURING THE CONSTRUCTION OF A MULTI-BARREL CULVERT, BOX BRIDGE, OR SLAB BRIDGE. THIS ALLOWS INSTREAM WORK TO BE COMPLETED IN THE DRY, SEPARATED FROM FLOWING WATER.  B EXAMPLE SHOWN IS FOR NEW CONSTRUCTION OR REPLACEMENT OF A STRUCTURE		Dyers	burg SEE
L XISTING ROUND A ITH BRIC D RIPRAP	<ul> <li>Chamm E BADMUT IS CLOSED TO TRAFFIC OR WHEN A RUNARQUIND IS USED.</li> <li>WHEN THE ROADWAY IS CLOSED TO TRAFFIC OR WHEN A RUNARQUIND IS USED.</li> <li>FOR AN EXAMPLE WHEN TRAFFIC IS MAINTAINED DURING CONSTRUCTION SEE</li> <li>EC-STR-30A. TRAFFIC CONTROL SHOULD BE BASED ON THE SPECIFIC PROJECT, NOT ON THE EXAMPLE SHOWN.</li> <li>C EXAMPLE SHOWN IS FOR NEW CONSTRUCTION OF A MULTI-BARREL STRUCTURE.</li> <li>ADJUSTMENTS SHOULD BE MADE TO THE INSTREAM DIVERSION FOR A STRUCTURE REPLACEMENT OR WHEN A BRIDGE IS REPLACED WITH A MULTI-BARREL STRUCTURE.</li> <li>THE CONSTRUCTION PHASING SHOWN IS AN EXAMPLE. THE CONSTRUCTION PHASING USED SHOULD BE BASED UPON FIELD CONDITIONS OF THE SPECIFIC PROJECT AT THE TIME OF CONSTRUCTION. THE INSTREAM DIVERSION SHOULD BE ADJUSTED ACCORDINGLY.</li> <li>THE HEIGHT OF THE INSTREAM DIVERSION SHOULD BE A MINIMUM OF 1 FOOT HIGHER THAN THE ORDINARY FLOW IN THE REDUCED CHANNEL WIDTH.</li> <li>WHERE IT IS NECESARRY TO EXCAVATE THE CHANNEL TO PROVIDE SUFFICENT FLOW AREA FOR THE ORDINARY FLOW THE EXCAVATED AREA SHOULD BE LINED WITH GOTEXTILE FABRIC AND RIPAP. THE EXCAVATED AREA SHOULD BE LINED WITH GOTEXTICE AND THE STRUCTURE.</li> </ul>		CITY DYERS	-
SILT FENCE	<ul> <li>© DURING CONSTRUCTION OF THE INSTREAM DIVERSION, DAMAGE TO THE EXISTING STREAM AND CANOPY SHALL BE MINIMIZED. ALL EXISTING VEGETATION OUTSIDE THE CUT AND FILL LINES BUT INSIDE THE RIGHT-OF-WAY SHALL NOT BE DISTURBED UNLESS IT INTERFERES WITH CONSTRUCTION OR SAFETY STANDARDS.</li> <li>(I) CONSTRUCTION SHALL PROCEED AS FOLLOWS:         <ol> <li>USE INSTREAM DIVERSION TO DIVERT FLOW TO ONE SIDE OF THE EXISTING CHANNEL AND/OR INTO BARREL(S) OF THE EXISTING CULVERT.</li> <li>REMOVE PORTION OF EXISTING STRUCTURE, IF APPLICABLE, AND CONSTRUCT ONE OF MORE BARRELS OF THE PROPOSED CULVERT AND PLACE INLET AND OUTLET PROTECTION.</li> <li>USE INSTREAM DIVERSION TO DIVERT FLOW TO OTHER SIDE OF THE EXISTING CHANNEL AND INTO BARREL(S) OF THE NEWLY CONSTRUCTED PROPOSED STRUCTURE.</li> <li>REMOVE REMAINING PORTION OF EXISTING STRUCTURE, IF APPLICABLE, AND</li> </ol> </li> </ul>		CITY OF DYERSBUF STABILIZ ALONG SOUTH BAN	ZATION
WITH WIRE BACKING 	<ul> <li>CONSTRUCT REMAINING BARRELS OF THE PROPOSED STRUCTURE AND PLACE INLET AND OUTLET PROTECTION.</li> <li>REMOVE INSTREAM DIVERSION.</li> <li>INSTREAM DIVERSION SHALL BE INSPECTED WEEKLY OR AFTER EVERY RAIN EVENT. ANY NEEDED REPAIRS SHALL BE DONE IMMEDIATELY.</li> <li>INSTREAM DIVERSION MAY BE CONSTRUCTED OF SANDBAGS, JERSEY BARRIER, RIPRAP, SHEET PILING, OR OTHER MATERIALS USED TO SEPERATE THE FLOWING WATER FROM THE WORK AREA.</li> <li>ONLY GEOTEXTILE FABRIC (TYPE III) LISTED ON THE QUALIFIED PRODUCTS LIST SHALL BE USED.</li> <li>FOR INSTALLATION DETAILS AND ITEM NUMBERS FOR DEWATERING STRUCTURES (EC-STR-1), SEDIMENT FILTER BACS (EC-STR-2), SILT FENCE (EC-STR-3B)</li> </ul>		CONSTRUCTION DETAILS	
	<ul> <li>AND SILT FENCE WITH WIRE BACKING (EC-STR-3C), SEE THEIR RESPECTIVE STANDARD DRAWINGS.</li> <li>INSTREAM DIVERSIONS SHALL BE PAID FOR UNDER THE FOLLOWING ITEM NUMBERS: 209-65.04 TEMPORARY IN STREAM DIVERSION PER LINEAR FOOT OPTIONAL EXCAVATION, GEOTEXTILE, AND RIPRAP SHALL BE INCLUDED IN THE COST OF INSTREAM DIVERSION.</li> <li>DEWATERING STRUCTURES, SEDIMENT FILTER BAGS, SILT FENCE, AND SILT FENCE WITH WIRE BACKING SHALL BE PAID FOR ACCORDING TO THEIR RESPECTIVE STANDARD DRAWINGS.</li> <li>PAYMENT SHALL INCLUDE ALL MATERIALS AND LABOR NECESSARY FOR CONSTRUCTION, MAINTENANCE, AND REMOVAL OF INSTREAM DIVERSION.</li> </ul>	OTATE OF TENMEDGEE DEPARTMENT OF TRANSPORTATION INSTREAM DIVERSION (WITHOUT TRAFFIC) 1-1-10 EC-STR-30	DRAWN BY: MW DESIGNED BY: BT CHECKED BY: TH Q.A.Q.C. BY: SSR	
			PHASE: CDs DATE: 05/30/25	DRAWING NO: