Indiana Department of Environmental Management
Office of Water Quality
Waterways Section

Publication Date:
March 23, 2026

IDEM Permit Number:
WQC001431

PUBLIC NOTICE

Closing Date:
April 13, 2026

Corps of Engineers ID Number:
LRC-2026-48

To all interested parties:
This letter shall serve as a formal notice of the receipt of an application for Section 401 Water Quality Certification by the Indiana Department of Environmental Management (IDEM). The purpose of the notice is to inform the public of active applications submitted for water quality certification under Section 401 of the Clean Water Act (33 U.S.C. § 1341) and to solicit comments and information on any impacts to water quality related to the proposed project. IDEM will evaluate whether the project complies with Indiana's water quality standards as set forth at 327 IAC 2.

1. Applicant:
Bill Emerson
Lake County Surveyor's Office
2293 N Main Street
Building A - 3rd Floor
Crown Point, IN, 46307

2. Agent:
Jedd Anderson
Christopher B. Burke Engineering, Ltd.
9575 W. Higgins Road, Suite 600
Rosemont, IN, 60018

3. Project location:
Deer Creek Road, Dyer, IN, 46311
Latitude: 41.4988
Longitude: -87.4903

4. Affected waterbody:
Dyer Ditch, one (1) emergent wetland

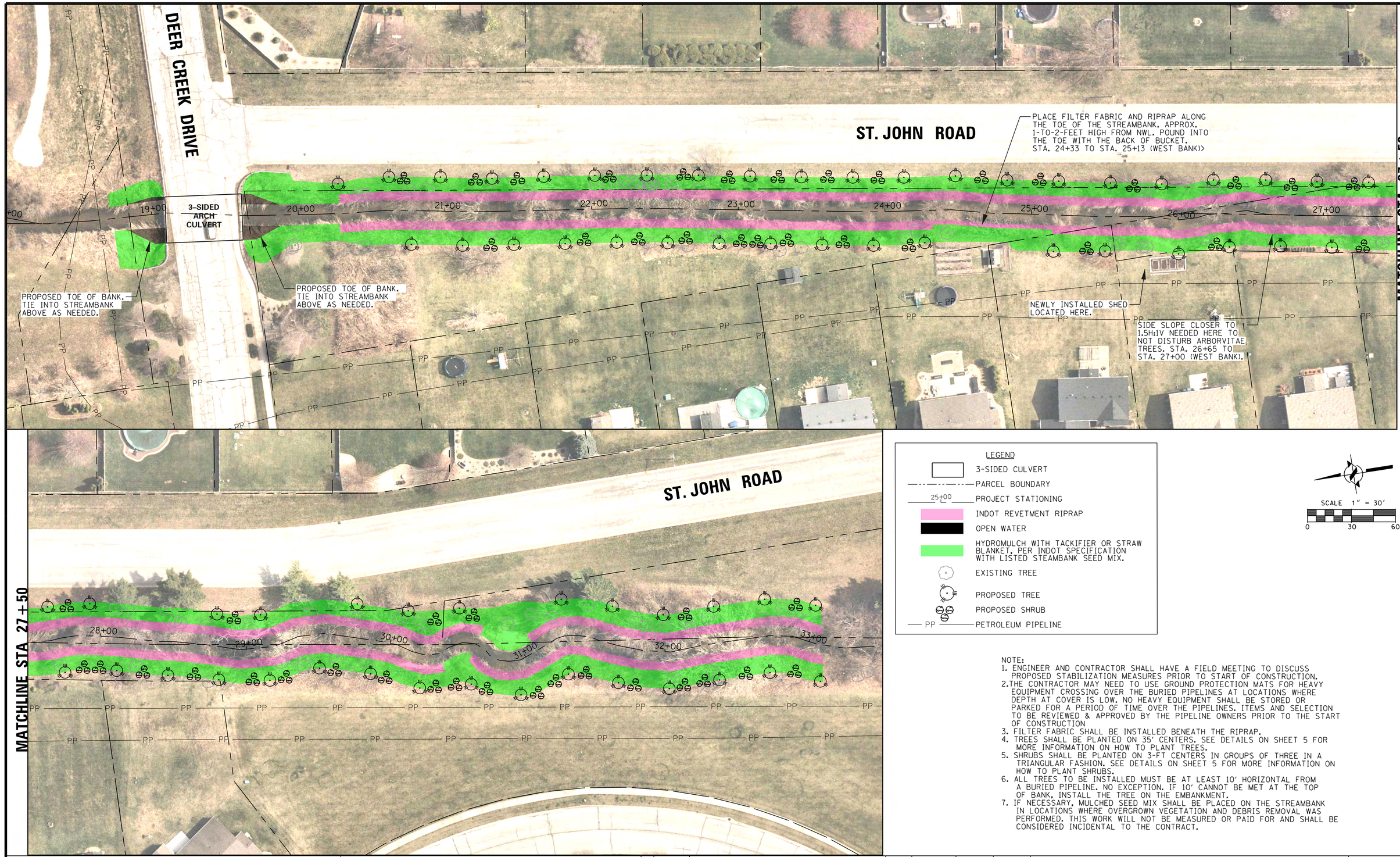
5. Project Description:
Installation of 2,560 linear feet of riprap to address channel embankment erosion of Dyer Ditch. There will also be 0.004 acres of emergent wetland converted to open water due to sediment removal at the culvert opening. Restoration will include 144 linear feet of invasive species removal and planting of 254 trees and 126 shrubs over 2,416 linear feet.
For additional information visit the Regulatory ePortal at:
https://stormwater.idem.in.gov/nsite/default/map/help

Comment period:
Any person or entity who wishes to submit comments or information relevant to the aforementioned project may do so by the closing date noted above. Only comments or information related to water quality or potential impacts of the project on water quality can be considered by IDEM in the water quality certification review process.

Public Hearing:
Any person may submit a written request that a public hearing be held to consider issues related to water quality in connection with the project detailed in this notice. The request for a hearing should be submitted within the comment period to be considered timely. The request should also state the reason for the public hearing as specifically as possible to assist IDEM in determining whether a public hearing is warranted.

Questions?
Submit requests for additional information and written comments to WaterwaysComments@idem.IN.gov
In the subject line of the email, please include the IDEM ID Number listed in the top right corner of the first page of this public notice. Indicate if you wish to receive a copy of IDEM's final decision. Comments and inquiries may also be forwarded to -

Office of Water Quality
Indiana Department of Environmental Management
100 North Senate Avenue, IGCN 1255
Indianapolis, Indiana 46204-2251



LEGEND

- 3-SIDED CULVERT
- PARCEL BOUNDARY
- 25+00 PROJECT STATIONING
- INDOT REVETMENT RIPRAP
- OPEN WATER
- HYDROMULCH WITH TACKIFIER OR STRAW BLANKET, PER INDOT SPECIFICATION WITH LISTED STEAMBANK SEED MIX.
- EXISTING TREE
- PROPOSED TREE
- PROPOSED SHRUB
- PP PETROLEUM PIPELINE

SCALE 1" = 30'

0 30 60

NOTE:
1. ENGINEER AND CONTRACTOR SHALL HAVE A FIELD MEETING TO DISCUSS PROPOSED STABILIZATION MEASURES PRIOR TO START OF CONSTRUCTION.
2. THE CONTRACTOR MAY NEED TO USE GROUND PROTECTION MATS FOR HEAVY EQUIPMENT CROSSING OVER THE BURIED PIPELINES AT LOCATIONS WHERE DEPTH AT COVER IS LOW. NO HEAVY EQUIPMENT SHALL BE STORED OR PARKED FOR A PERIOD OF TIME OVER THE PIPELINES. ITEMS AND SELECTION TO BE REVIEWED & APPROVED BY THE PIPELINE OWNERS PRIOR TO THE START OF CONSTRUCTION
3. FILTER FABRIC SHALL BE INSTALLED BENEATH THE RIPRAP.
4. TREES SHALL BE PLANTED ON 35' CENTERS. SEE DETAILS ON SHEET 5 FOR MORE INFORMATION ON HOW TO PLANT TREES.
5. SHRUBS SHALL BE PLANTED ON 3-FT CENTERS IN GROUPS OF THREE IN A TRIANGULAR FASHION. SEE DETAILS ON SHEET 5 FOR MORE INFORMATION ON HOW TO PLANT SHRUBS.
6. ALL TREES TO BE INSTALLED MUST BE AT LEAST 10' HORIZONTAL FROM A BURIED PIPELINE. NO EXCEPTION. IF 10' CANNOT BE MET AT THE TOP OF BANK, INSTALL THE TREE ON THE EMBANKMENT.
7. IF NECESSARY, MULCHED SEED MIX SHALL BE PLACED ON THE STREAMBANK IN LOCATIONS WHERE OVERGROWN VEGETATION AND DEBRIS REMOVAL WAS PERFORMED. THIS WORK WILL NOT BE MEASURED OR PAID FOR AND SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

CLIENT:

LAKE COUNTY DRAINAGE BOARD

NO.	DATE	NATURE OF REVISION	CHKD.

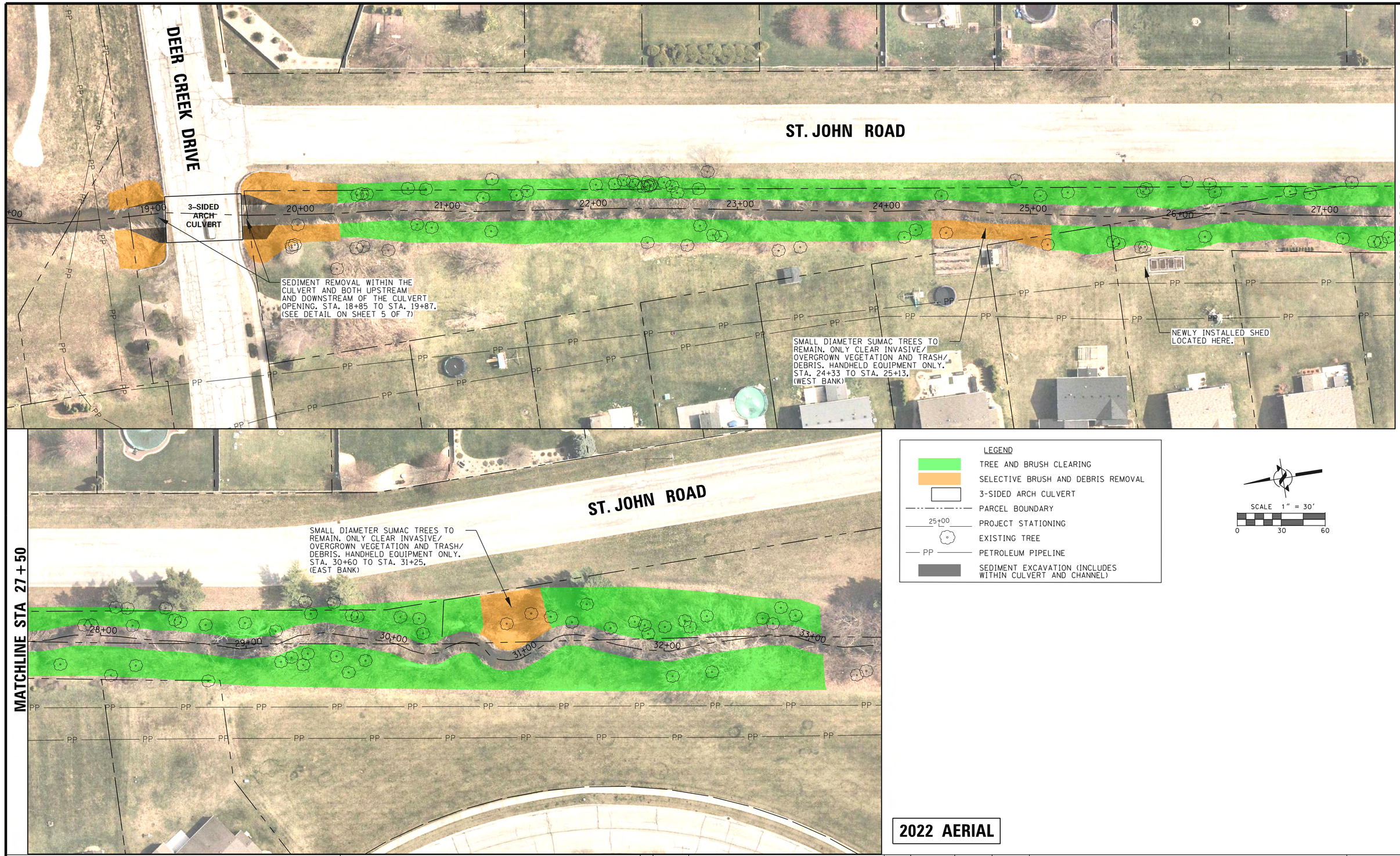
DSGN.	JW
DWN.	EAT
CHKD.	TTB
SCALE:	30'
PLOT DATE:	1/14/2026
CAD USER:	jogundeji
MODEL:	Default

FILE NAME N:\LCSO IN\930169.02022 Phase II2 Dyer Ditch Stabilization (US 30 to RR)\Water\Plan Set\04_930169.02022_II2_PRO.sht

TITLE:

PROPOSED CONDITIONS

PROJ.#	930169.02022.112
DATE:	1/14/2026
SHEET	4 OF 8
DRAWING NO.	PRO



2022 AERIAL

CHRISTOPHER B. BURKE ENGINEERING, LTD.
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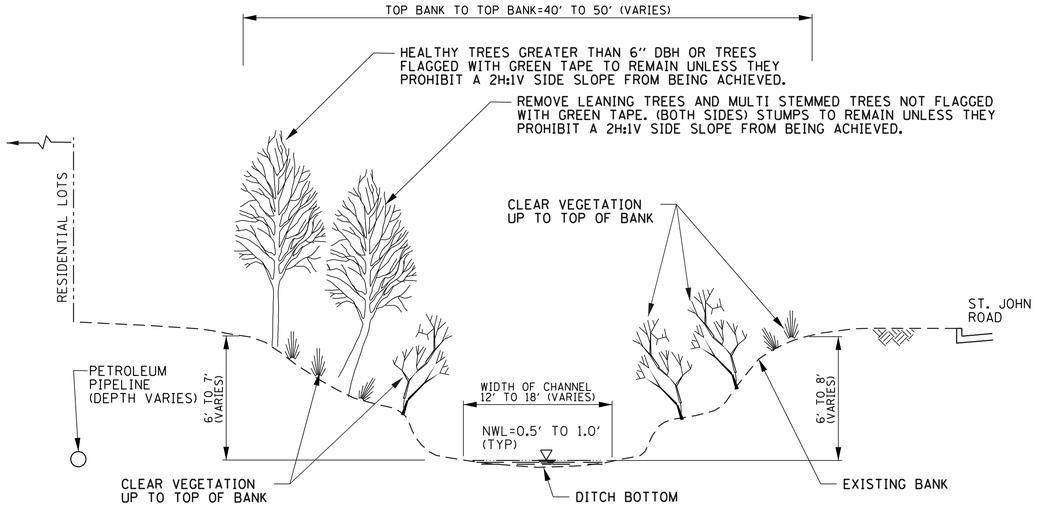
TITLE:

EXISTING CONDITIONS AND REMOVAL PLAN

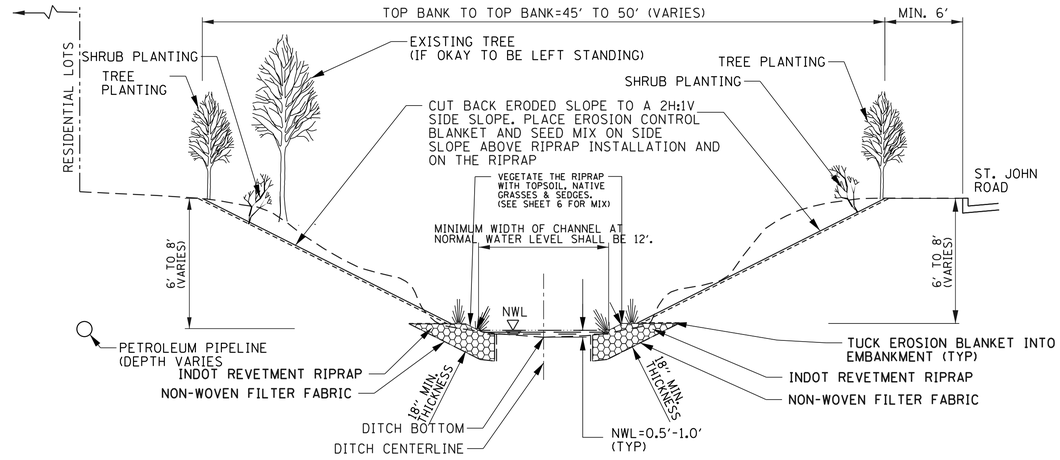
PROJ.#	930169.02022.112
DATE:	1/14/2026
SHEET	3 OF 8
DRAWING NO.	REM



DYER DITCH
LOOKING DOWNSTREAM

NOTE:
1. BURIED PETROLEUM PIPELINES LOCATED ON WEST SIDE OF THE DITCH. INDIANA 811 AND PIPELINE COMPANIES MUST BE CONTACTED PRIOR TO START OF CONSTRUCTION.

EXISTING CONDITIONS AND REMOVAL TYPICAL–SECTION

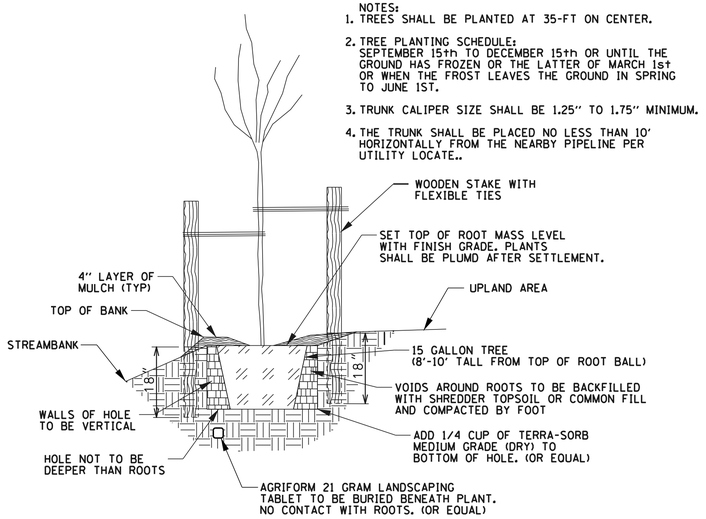


DYER DITCH
LOOKING DOWNSTREAM

NOTES:
1. SPOIL MATERIAL FROM BANK EXCAVATION MAY BE USED FOR BANK SHAPING OR SHOULD BE HAULED OFFSITE.
2. INDIANA 811 AND PIPELINE COMPANIES MUST BE CONTACTED PRIOR TO START OF CONSTRUCTION.
3. THE NEWLY INSTALLED RIPRAP SHALL BE FORCEFULLY COMPACTED INTO THE STREAMBANK WITH THE BACK OF BUCKET FROM THE EXCAVATOR.

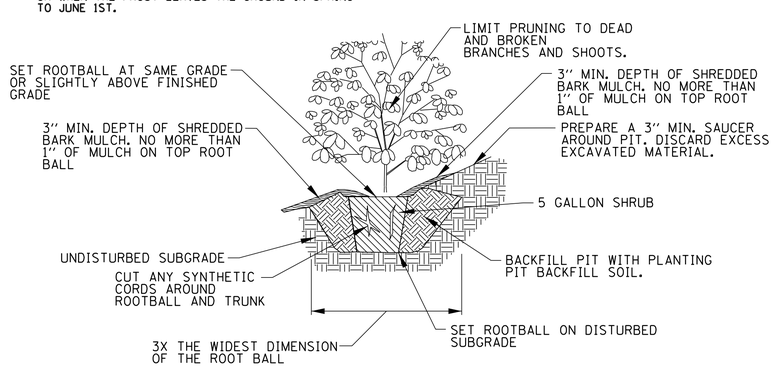
PROPOSED CONDITIONS TYPICAL–SECTION

NOTES:
1. TREES SHALL BE PLANTED AT 35-FT ON CENTER.
2. TREE PLANTING SCHEDULE: SEPTEMBER 15th TO DECEMBER 15th OR UNTIL THE GROUND HAS FROZEN OR THE LATTER OF MARCH 1st OR WHEN THE FROST LEAVES THE GROUND IN SPRING TO JUNE 1ST.
3. TRUNK CALIPER SIZE SHALL BE 1.25" TO 1.75" MINIMUM.
4. THE TRUNK SHALL BE PLACED NO LESS THAN 10' HORIZONTALLY FROM THE NEARBY PIPELINE PER UTILITY LOCATE..

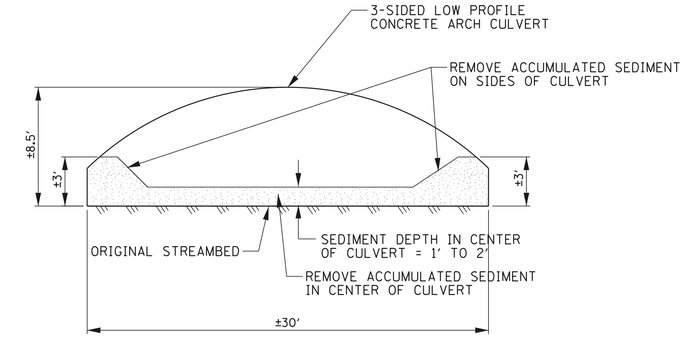


CONTAINER TREE PLANTING DETAIL

NOTES:
1. SHRUBS SHALL BE PLANTED AT 3-FT ON CENTER IN GROUPS OF THREE IN A TRIANGULAR FASHION.
2. SHRUB PLANTING SCHEDULE: SEPTEMBER 15th TO DECEMBER 15th OR UNTIL THE GROUND HAS FROZEN OR THE LATTER OF MARCH 1st OR WHEN THE FROST LEAVES THE GROUND IN SPRING TO JUNE 1ST.



CONTAINER SHRUB PLANTING DETAIL



NOTES:
SEDIMENT REMOVAL BOTH UPSTREAM AND DOWNSTREAM OF THE CULVERT FACE WILL BE REQUIRED TO TRANSITION BACK TO THE APPROXIMATE CHANNEL WIDTH OF 12' TO 14'. IT IS ESTIMATED THIS TRANSITION LENGTH WILL BE APPROXIMATELY 25' ON EACH SIDE OF THE CULVERT.

SEDIMENT REMOVAL AT THE CULVERT

CHRISTOPHER B. BURKE ENGINEERING, LTD.
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DSGN.	JW
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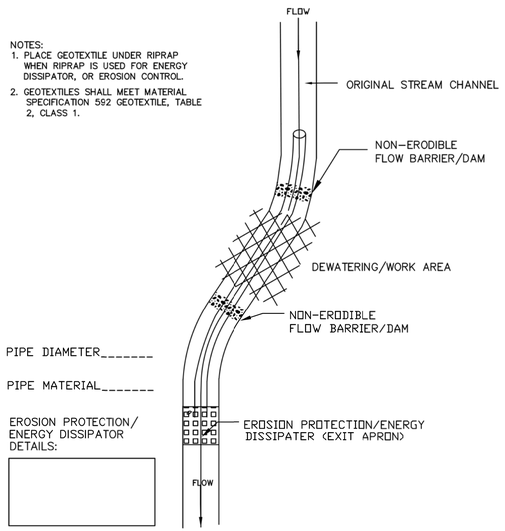
SCALE:	1'
PLOT DATE:	3/12/2026
CAD USER:	jogundeji
MODEL:	Default

FILE NAME N:\LCSO IN\930169.02022 Phase II2 Dyer Ditch Stabilization (US 30 to RR)\Water\Plan Set\05_930169.02022.II2_DET.dgn

TITLE:
CONSTRUCTION DETAILS

PROJ.#	930169.02022.112
DATE:	3/12/2026
SHEET	5 OF 8
DRAWING NO.	DET

TEMPORARY STREAM DIVERSION - PIPE DIVERSION



TYPICAL PIPE DIVERSION PLAN

1.Install a minimum of 4" inches of topsoil in upland areas prior to seeding.

2.Tall Fescue may not be used.

Common Name	Scientific Name	Pounds/Acre A	B	C	D
***Permanent Ground Cover*:**					
Kentucky Bluegrass	*Poa pratensis*	10	-	-	-
Perennial Rye Grass	*Lolium perenne*	6	-	-	-
Alsike Clover	*Tryfolium hybridum*	5			
Temporary Cover:					
Annual Rye Grass	*Lolium multiflorum*	20	-	-	-
Fertilize at 43 lbs /acre with 3:1:2					

Irrigation needed during July, August and/or September

Irrigation needed for 2 to 3 weeks after applying seed.

UPLAND TURF SEEDING MIX, NOTES, AND SCHEDULE

Species Name	Common Name	Wetland Indicator	Quantity
5-Gallon Shrubs			
Ilex verticillata	Winterberry	FACW+	17
Physocarpus opulifolius	Ninebark	FACW-	17
Prunus virginiana	Chokecherry	FAC-	17
Spiraea alba	Meadowsweet	FACW+	17
Aronia melanocarpa	Black Chokeberry	FACW	17
Lindera benzoin	Spicebush	FACW-	17
Viburnum trilobum	American Cranberry	FACW	17
Alnus rugosa	Speckled Alder	FACW	20
Staphylea trifolia	Bladdernut	FAC	20
TOTAL			*159*
15-Gallon Tree (8'-10' Tall from top of root ball)			
Acer rubrum	Red Maple	FAC	7
Carpinus caroliniana	Hornbeam	FAC	7
Nyssa sylvatica	Blackgum	FAC	7
Quercus palustris	Pin Oak	FACW	8
Quercus bicolor	Swamp White Oak	FACW+	8
Q uercus muehlenbergii	Chinkapin Oak	FACU	8
Quercus macrocarpa	Bur Oak	FAC	8
Carya laciniosa	Shellbark Hickory	FACW	7
Platanus occidentalis	American Sycamore	FACW	7
TOTAL			67

Note:
Species with a facultative upland ("FACU") status are planted in the floodway farthest from the stream or within dryer areas. Species with a facultative ("FAC") or a facultative wetland ("FACW") status are placed in the floodway closest to the stream or within wetter areas. Species with an indicator status of obligate wetland ("OBL") are placed in the wettest areas of the floodway.

WOODY VEGETATION SPECIES

PERMANENT VEGETATION:

Installation:

Optimum seeding dates are March 1 through May 10 and August 10 through September 30. Permanent seeding done between May 10 and August 10 may need to be irrigated. As an alternative, use temporary seeding until the preferred date for permanent seeding.

1. Verify that the area to be vegetated has been finish graded to the lines and grades indicated in the Drawings.
2. Use Seed Mix as specified on plans. Apply seed uniformly with a drill or cultipacker-seeder, by broadcasting, or another method approved by the Engineer. Cover to a depth of ¼- to ½-inches. If drilling or broadcasting, firm the seedbed with a roller or cultipacker.
3. Use hand tools to remove ruts or uneven surfaces in the slope, including tracks from the cultipacker and/or seed drill.
4. Install Erosion Control Blank on seeded areas.

Maintenance:

Inspect periodically, especially after storm events, until the stand is successfully established (characteristics of a successful stand include: vigorous dark green or blue-ish green seedings; uniform density with nurse plants and grasses well intermixed; and the perennials remaining green throughout the summer, at least at the plant base). Repair damaged, bare or sparse areas by filling any gullies, over- or reseeding and installation of mulch and woven coir. If plant cover is sparse or patchy, review the plant material chosen, soil fertility, moisture condition, and mulching; then repair the affected area either by over-seeding or reseeding and mulching after re-preparing the seedbed. If vegetation fails to grow, perform soil testing to determine acidity or nutrient deficiency problems. If fertilization is needed to get a satisfactory stand, do so according to soil test recommendations.

STREAMBANK SEEDING NOTES AND SCHEDULE

Mycorrhizal Inoculum

All native seed mixes shall be combined with an appropriate endomycorrhizal inoculant such as AM 120 Mycorrhizal Inoculum (or comparable). The inoculants shall contain a diverse mixture of glomales fungal species (*Glomus* spp.) in pelletized form. Application rate shall be as specified by the manufacturer. Seed shall be mixed with the granular form of endomycorrhizal inoculant at the rate specified by the manufacturer prior to installation.

STREAMBANK SEED MIX

Low Profile Native Grass Mix		
All native seed mixes shall be installed with a granular form of endomycorrhizal inoculant at the rate specified per acre by the manufacturer.		
Scientific Name	**Common Name**	**lbs/Acre**
Agrostis alba palustris	Bent grass	2
Bouteloua curtipendula	Side-Oats Grama	6
Calamagrostis canadensis	Bluejoint	2
Carex vulpinoidea	Prairie Sedge Mix	2
Elymus canadensis	Canada Wild Rye	3
Panicum virgatum	Switch Grass	3
Schizachyrium scoparium	Little Bluestem	3
	Total lbs/Acre	**21**

Temporary Cover		**lbs/Acre**
Avena sativa	Common Oat	60
	Total lbs/Acre	**60**

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FILE NAME: N:\LCSO IN\930169.02022 Phase II2 Dyer Ditch Stabilization (US 30 to RR)\Water\Plan Set\06_930169.02022.II2_SESC1.dgn

TITLE: **SOIL EROSION AND SEDIMENT CONTROL NOTES, AND DETAILS**

PROJ.#930169.02022.112
DATE: 1/14/2026
SHEET 6 OF 8
DRAWING NO. **SESC-1**