

UPPER TRIER DRAIN

INVASIVE SPECIES REMOVAL & RESTORATION

Fort Wayne, IN • March 26, 2019

PRELIMINARY CONSTRUCTION DRAWINGS

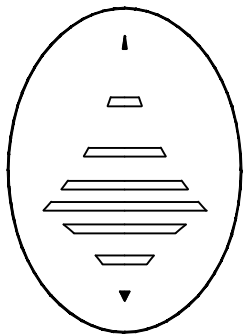
SHEET INDEX

	COVER SHEET
Sheet 1	DEMOLITION PLAN
Sheet 2	PLANTING & SEEDING PLAN
Sheet 3	PLANTING & SEEDING LISTS AND DETAILS

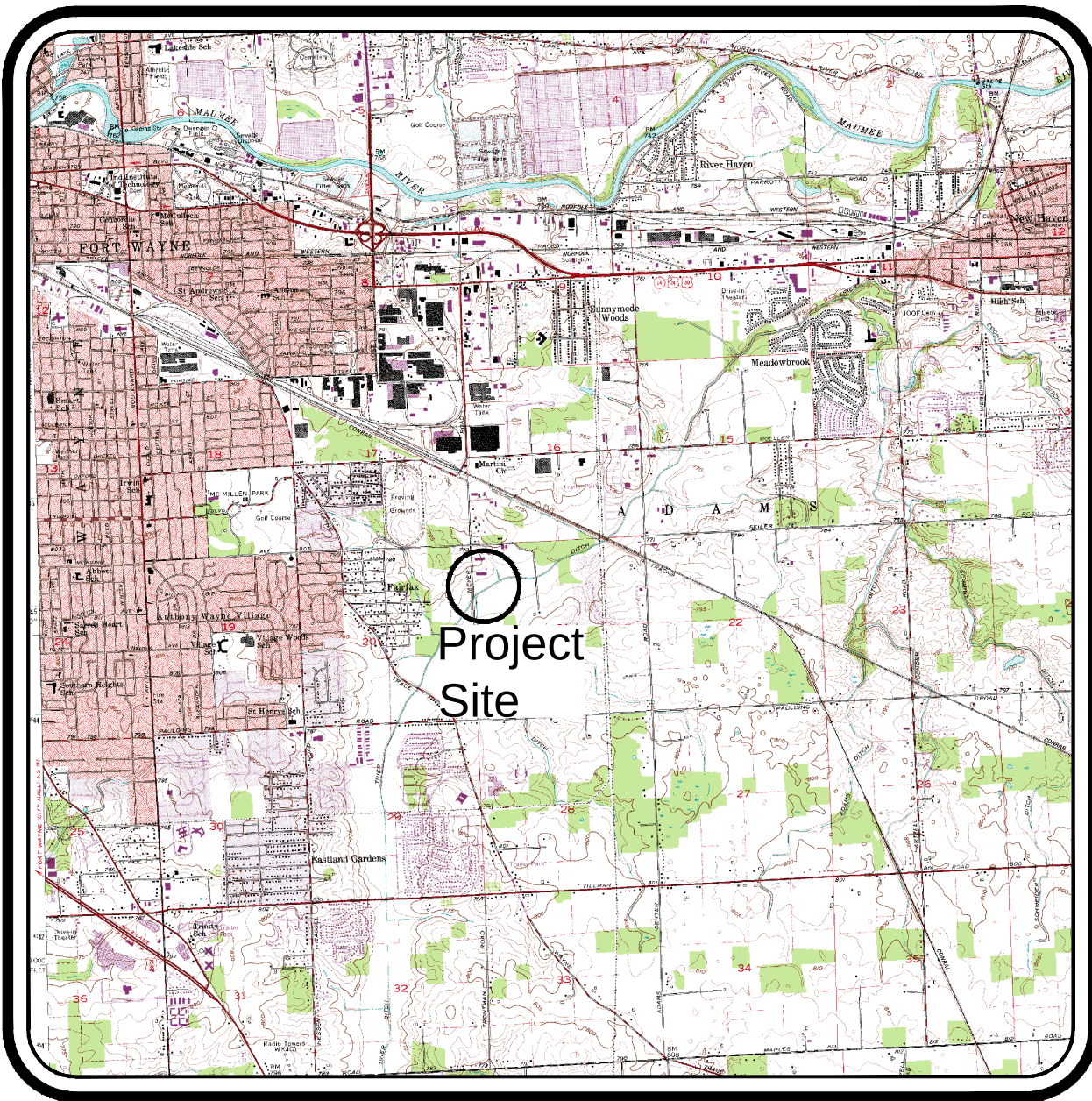
Plans Prepared For:

SAVE MAUMEE
1901 Niagara Way
Fort Wayne, IN 46805

Plan Prepared By:



Earth-Source Inc
14921 Hand Road, Fort Wayne, IN 46818 (260)489-8511



Regional Location Map

Not to Scale



Vicinity Location Map

Not to Scale

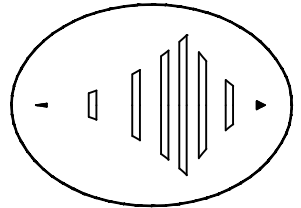




TRIER DRAIN RESTORATION

SAVE MAUMEE
New Haven, Indiana

Invasive Species Control Plan



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GDT	03/26/19
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revisions:	date:

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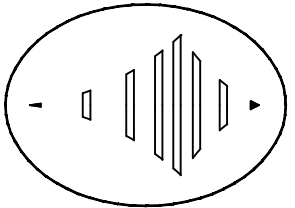


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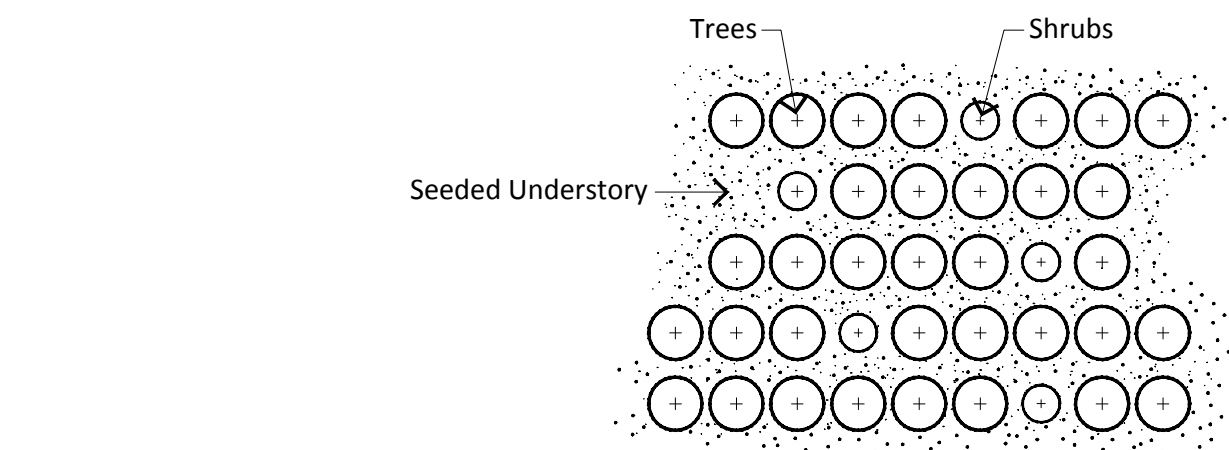
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New Haven, Indiana

PLANTING & SEEDING PLAN

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SHEET 2 OF 3	

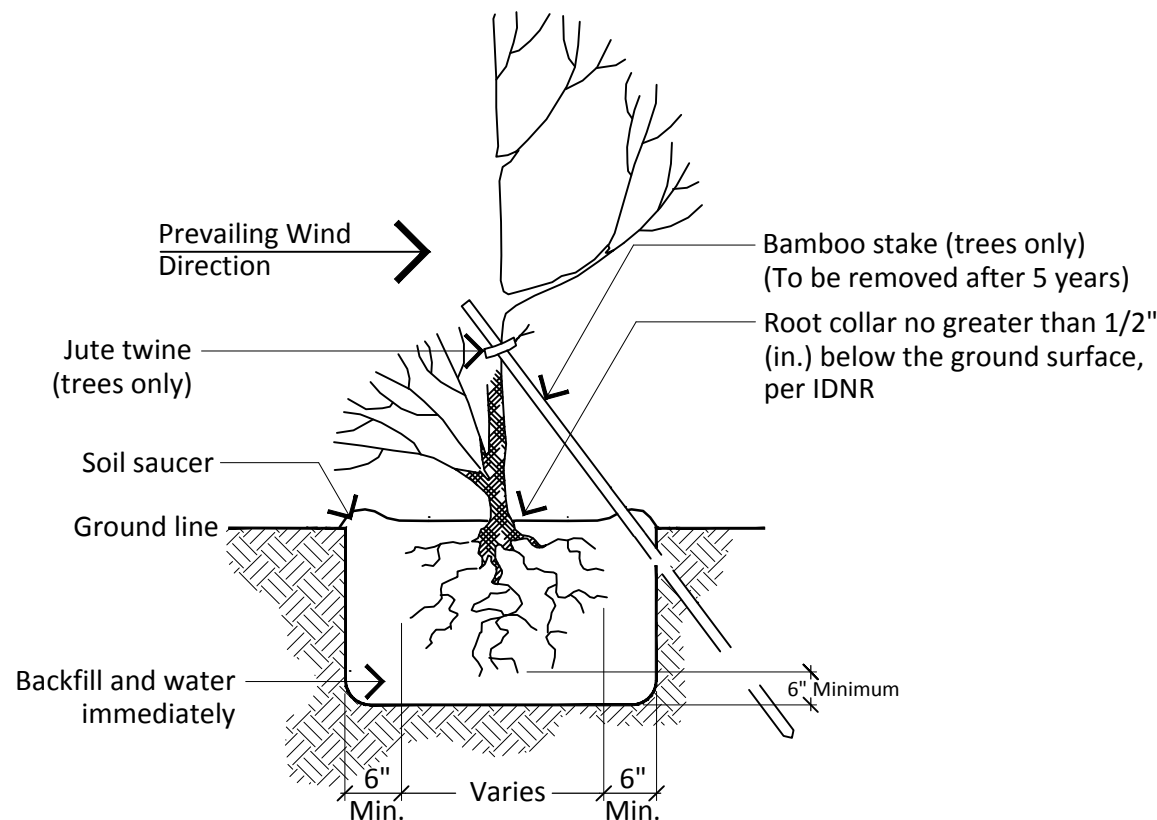


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4 TREE / SHRUB PLANTING LAYOUT

Not to Scale



1 CONTAINER GROWN TREE/SHRUB INSTALLATION

Not to Scale

Midwestern Tallgrass Prairie Erosion Control Mix with Wildflowers (DP2C)		
Approximate mix weight/acre 95.8750 LBS,82 native seeds/sq ft. 68.7% Grasses/Sedges/Rushes, 31.3% Forbs, 100% Temporary Cover		
Scientific Name	Common Name	Seed
Grasses/Sedges/Rushes		
<i>Andropogon gerardii</i>	Big Bluestem	24.99%
<i>Bouteloua curtipendula</i>	Side-Oats Grama	2.80%
<i>Elymus canadensis</i>	Canada Wild Rye	19.80%
<i>Elymus virginicus</i>	Virginia Wild Rye	12.98%
<i>Panicum virgatum</i>	Switch Grass	28.32%
<i>Schizachyrium scoparium</i>	Little Bluestem	8.92%
<i>Sorghastrum nutans</i>	Indian Grass	2.19%
Total		100.00%
Forbs		
<i>Aster novae-angliae</i>	New England Aster	6.29%
<i>Coreopsis lanceolata</i>	Sand Coreopsis	7.11%
<i>Echinacea purpurea</i>	Purple Coneflower	1.85%
<i>Helianthus annuus</i>	False Sunflower	2.36%
<i>Monarda fistulosa</i>	Wild Bergamot	6.94%
<i>Penstemon digitalis</i>	Foxglove Beardtongue	15.22%
<i>Ratibida pinnata</i>	Yellow Coneflower	15.16%
<i>Rudbeckia hirta</i>	Black-Eyed Susan	30.04%
<i>Silphium integrifolium</i>	Rosin-Weed	0.54%
<i>Solidago rigida</i>	Stiff Goldenrod	3.17%
<i>Verbena stricta</i>	Hoary Vervain	11.32%
Total		100.00%
Temporary Cover Grasses		
<i>Avena Sativa</i>	Seed Oat	27.40%
<i>Lolium multiflorum</i>	Annual Rye	72.60%
Total		100.00%

Midwestern Prairie Grass Erosion Control Mix (DP2)		
Approximate mix weight/acre 94.0000 LBS, 54 native seeds/sq ft. 100% Grasses/Sedges/Rushes, 100 % Temporary Cover		
Scientific Name	Common Name	Seed
Grasses/Sedges/Rushes		
<i>Andropogon gerardii</i>	Big Bluestem	15.64%
<i>Bouteloua curtipendula</i>	Side-Oats Grama	2.95%
<i>Elymus canadensis</i>	Canada Wild Rye	17.00%
<i>Elymus virginicus</i>	Virginia Wild Rye	7.26%
<i>Panicum virgatum</i>	Switch Grass	25.72%
<i>Schizachyrium scoparium</i>	Little Bluestem	9.39%
<i>Sorghastrum nutans</i>	Indian Grass	22.04%
Total		100.00%
Temporary Cover Grasses		
<i>Avena Sativa</i>	Seed Oat	27.37%
<i>Lolium multiflorum</i>	Annual Rye	72.63%
Total		100.00%

Plant Lists						
Riparian Restoration Trees						
Qty.	Scientific Name	Common Name	Indicator	Size	Root	Spacing
269	<i>Acer rubrum</i>	Red Maple	FAC	4' Tall Min.	3 Gal. Container Min.	10' O.C. ± 1'
	<i>Carya ovata</i>	Shagbark Hickory	FACW			
	<i>Gleditsia triacanthos</i>	Honeylocust	FAC			
	<i>Quercus alba</i>	White Oak	FACW			
	<i>Quercus macrocarpa</i>	Bur Oak	FACW			
	<i>Quercus palustris</i>	Pin Oak	FAC			
	<i>Quercus rubra</i>	Northern Red Oak	FACW			
Riparian Restoration Shrubs						
Qty.	Scientific Name	Common Name	Indicator	Size	Root	Spacing
67	<i>Cephalanthus occidentalis</i>	Buttonbush	OBL	3' Tall Min.	3 Gal. Container Min.	≈19' O.C. ± 1', 151 Stems/Acre
	<i>Cornus racemosa</i>	Grey Dogwood	FAC			
	<i>Cornus sericea</i>	Red-osier Dogwood	FACW			
	<i>Crataegus crus-galli</i> *	Cockspur Hawthorn	FAC			
	<i>Crataegus mollis</i> *	Downy Hawthorn	FAC			
	<i>Ilex verticillata</i>	Common Winterberry	FACW			
	<i>Physocarpus opulifolius</i>	Common Ninebark	FACW			
	<i>Sambucus canadensis</i>	Elderberry	FAC			
	<i>Viburnum lentago</i>	Nannyberry	FAC			

Note: * = Understory Tree

Seed List	
Qty. (ac)	Description
1.357	DP2 - Tall Prairie Grass Erosion Control Seed Mix
2.198	DP2C - Tall Prairie Grass Erosion Control Seed Mix w/ Wildflowers

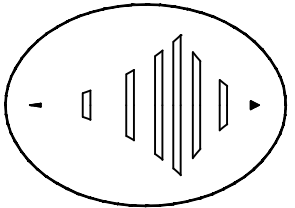
Invasive Removal Areas	
Qty. (ac)	Description
0.972	Cut-Stump Application (25% glyphosate or triclopyr solution)
0.927	Foliar Application (2% triclopyr solution)
1.655	Cut-Stump & Foliar Application

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PLANTING & SEEDING LISTS AND DETAILS

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