		<u>C</u>	<u>CONSTRUC</u>	<u>CTION </u>	<u>PLAN</u>			
PRACTICE(S)	STREAMBAN	K AND SHOR	ELINE STABIL	IZATION	(ATCP 5	50.88/NRCS 5	580)	
LANDOWNER.	JEFF AND	DEB DAWSON	N, SHELLEY	ROSE				
ADDR E SS_								
LANDOWNER	PHONE NO	D		COUNT	Y POL	K		
TOWNSHIP_BA	ALSAM LAKE			T35	<u>. </u>	N, R <u>16</u>	_ E/ ₩,	Sec. 20

DIGGERS HOTLINE

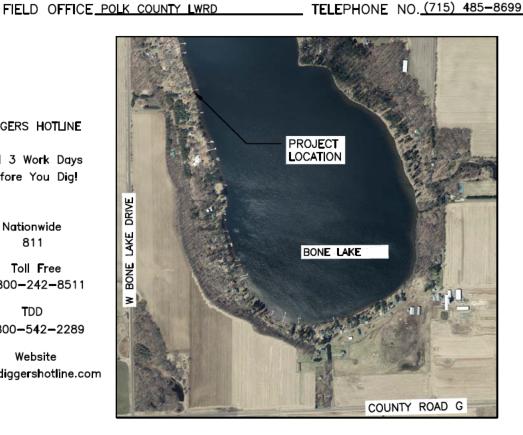
Call 3 Work Days Before You Dig!

> Nationwide 811

Toll Free 1-800-242-8511

TDD 1-800-542-2289

Website www.diggershotline.com





LOCATION MAP

NOTICE TO LANDOWNERS AND EXCAVATORS

POLK Any representation made by the USDA, Natural Resources Conservation Service, or the _

County LCD, as to the approximate location or nonexistence relieve the owner of the property or the excavator that is h Diggers Hotline of the pending construction. You will be liable activities. (Call Diggers Hotline) Ticket #	ired to complete construction, from notifying e for damages resulting from construction
Landowner Acceptance: <u>See WI Jobsh</u>	eet 819
Designed by:	Date:
Checked by:	Date:
Approved by:	Date:
The installed practices comply with applicable NRCS technic construction plans (as—built drawings) reflect changes mad	
Construction Approved by:	Date:
Job Approval Class <u>(580 — II WAVE HEIGHT)</u>	Sheet <u>1</u> of <u>8</u>

ESTIMATED QUANTITIES

!TEM	UN IT	QUANTITY	SHEET	WI. CONSTRUCTION SPEC.
II EM	ONII	QOANTIT	NUMBER	OR JOB SHEET NUMBER
MOBILIZATION	JOB	1		7 — MOBILIZATION & DEMOBILIZATION
MINOR SHAPING AND GRADING — (approx. 10 C.Y.)	JOB	1	4, 5	2 — EXCAVATION
SHORELINE REINFORCEMENT MATTING	S.Y.	70	4 ,5	5 — CONSTRUCTION SITE POLLUTION CONTROL
EROSION CONTROL BLOC — (INCLUDES STAKES AND ROPE FOR INSTALLATION)	L.F.	216	4 ,6	5 — CONSTRUCTION SITE POLLUTION CONTROL
DUCKBILL STYLE EARTH ANCHORS — MINIMUM 30" CABLE	EACH	54	5	
NATIVE VEGETATION PLUGS — BLUE JOINT GRASS, FOX SEDGE, AND LITTLE BLUESTEM	EACH	435	4	SEE PAGES 7 & 8 FOR SEEDING DETAILS
NATIVE SEEDING	JOB	1	4	SEE PAGES 7 & 8 FOR SEEDING DETAILS

Quantities are estimated to the neat lines and grades of in-place materials shown on the construction plan unless otherwise stated. Truck yardage, loose fill, shrinkage, etc., must be calculated and compensated for by the contractor preparing a bid or constructing the project.



ESTIMATED QUANTITIES

		Date	Drawir
Designed	KBP	11/21	WI-0
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Drawing Name 005 15

Sheet 2 of 8

CLIENT: POLK COUNTY:

DAWSON/ROSE

CONSTRUCTION NOTES

- 1. ALL UNDERGROUND HAZARDS AND UTILITIES MUST BE INVESTIGATED PRIOR TO CONSTRUCTION. NOTIFICATION OF AFFECTED UTILITY COMPANIES IS THE RESPONSIBLITY OF THE CONTRACTOR. CONTACT DIGGERS HOTLINE AT LEAST THREE DAYS PRIOR TO START OF CONSTRUCTION.
- 2. A PRE-CONSTRUCTION MEETING SHALL BE SCHEDULED WITH POLK COUNTY LWRD PERSONNEL, THE CONTRACTOR, AND THE LANDOWNER PRIOR TO CONSTRUCTION START-UP.
- 3. THE CONTRACTOR AND/OR LANDOWNER SHALL NOTIFY POLK COUNTY LWRD AT LEAST 3 DAYS PRIOR TO START-UP OF CONSTRUCTION.
- 4. ALL WORK TO BE PERFORMED IN ACCORDANCE WITH WISCONSIN NRCS CONSTRUCTION SPECIFICATIONS (SEE PROJECT MANUAL).
- 5. INITIAL SURVEY LAYOUT WILL BE PERFORMED BY POLK COUNTY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ADDITIONAL GRADE STAKES DURING CONSTRUCTION AS NECESSARY, OR IF DAMAGED BY THEIR OPERATIONS.
- 6. ANY MATERIALS MUST BE ON-SITE AT THE TIME OF CONSTRUCTION AND MUST BE APPROVED BY THE ENGINEER/TECHNICIAN PRIOR TO INSTALLATION.
- 7. ALL DISTURBED AREAS SHALL BE SEEDED AS SOON AS POSSIBLE IN THE CONSTRUCTION SEQUENCE. SEED MIX TAGS SHALL BE DOCUMENTED BY THE TECHNICIAN.
- 8. EXISTING ROCK ON SHORELINE CAN BE USED TO SUPPLEMENT THE PROPOSED RIPRAP.
- 9. GEOTEXTILE FILTER FABRIC SHALL CONFORM TO WISCONSIN CONSTRUCTION SPECIFICATION 13. RIP RAP OR AGGREGATE SHALL BE PLACED IN THE MANNER DESCRIBED IN THIS SPECIFICATION AND SHALL ENSURE THAT NO DAMAGE TO THE GEOTEXTILE FABRIC OCCURS.
- 10. ROCK RIP RAP SHALL BE FURNISHED FROM AN APPROVED QUARRY AND SHALL MEET THE SPECIFICATIONS CONTAINED IN WISCONSIN CONSTRUCTION SPEC 9 WITH REGARDS TO SPECIFIC GRAVITY, ABSORPTION, AND SOUNDNESS. ROCK RIP RAP FROM IGNEOUS OR METAMORPHIC ORIGINS SUCH AS GRANITE, BASALT, AND QUARTZITE MAY BE USED WITHOUT TESTING.
- 11. ROCK GRADATION MUST BE APPROVED PRIOR TO CONSTRUCTION.
- 12. EROSION CONTROL BLANKET SHALL BE CLASS 1—TYPE A BIODEGRADABLE, IT SHALL BE INSTALLED AFTER SEEDING AND BEFORE PLANTING OF SHRUBS.
- 13. EROSION CONTROL MEASURES MAY BE REQUIRED TO ENSURE THAT BONE LAKE DOES NOT RECEIVE SEDIMENT OR OTHER MATERIAL FROM THE PROJECT SITE DURING CONSTRUCTION.
- 14. AVOID DISTURBANCE OF AQUATIC VEGETATION WHEREVER POSSIBLE.

USDA	United States Department of Agriculture
Natural Re	esources

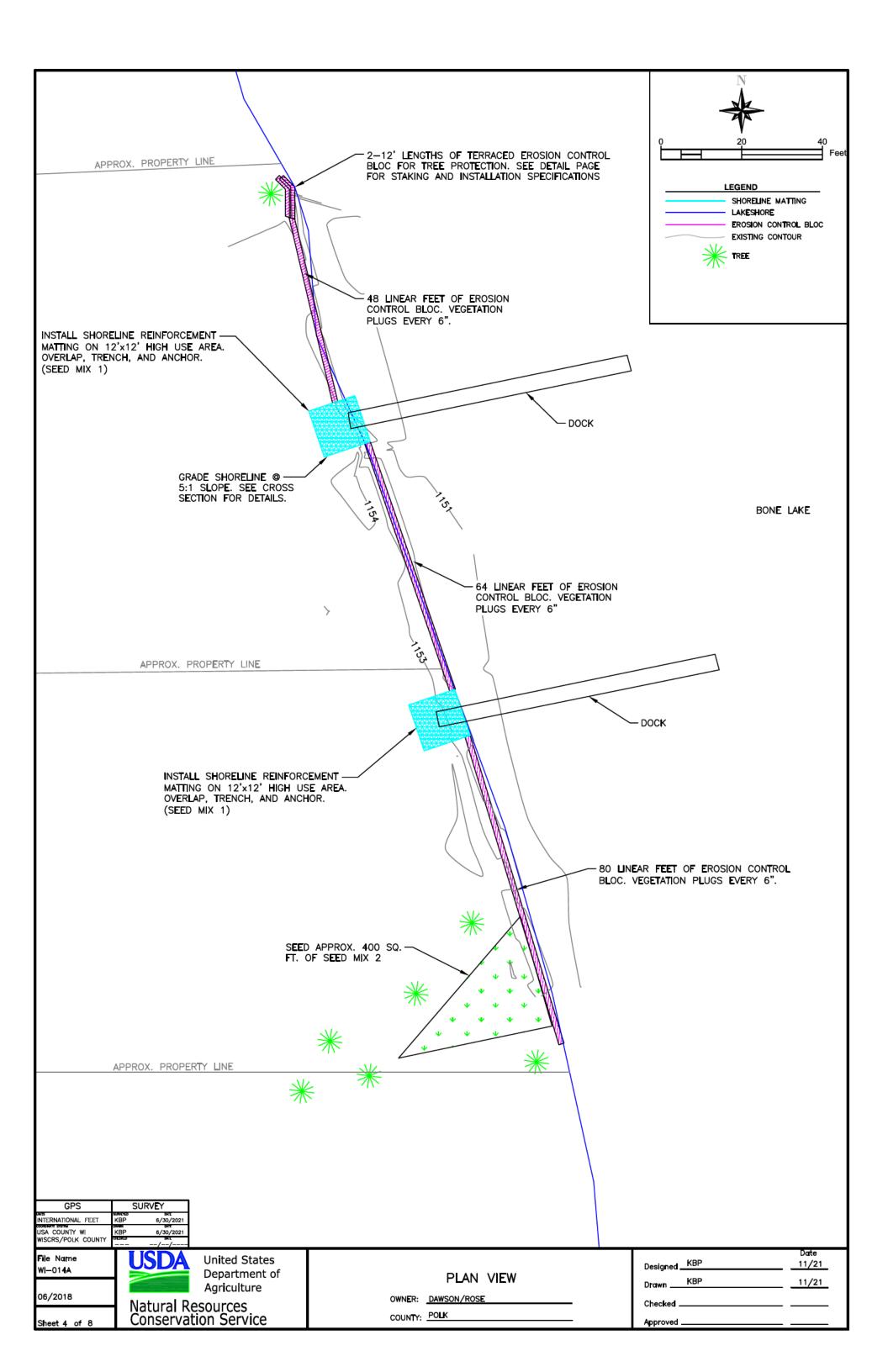
Conservation Service

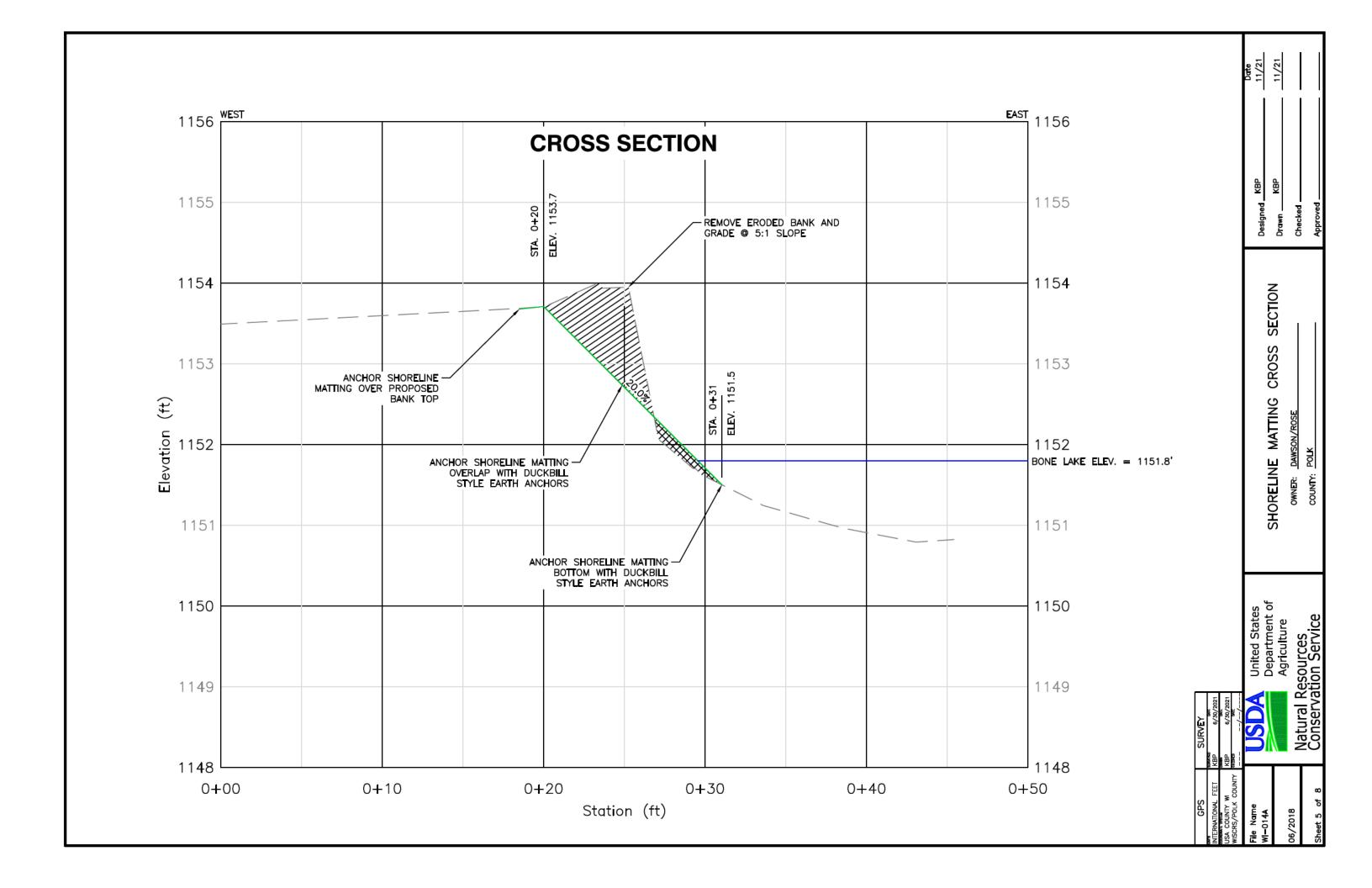
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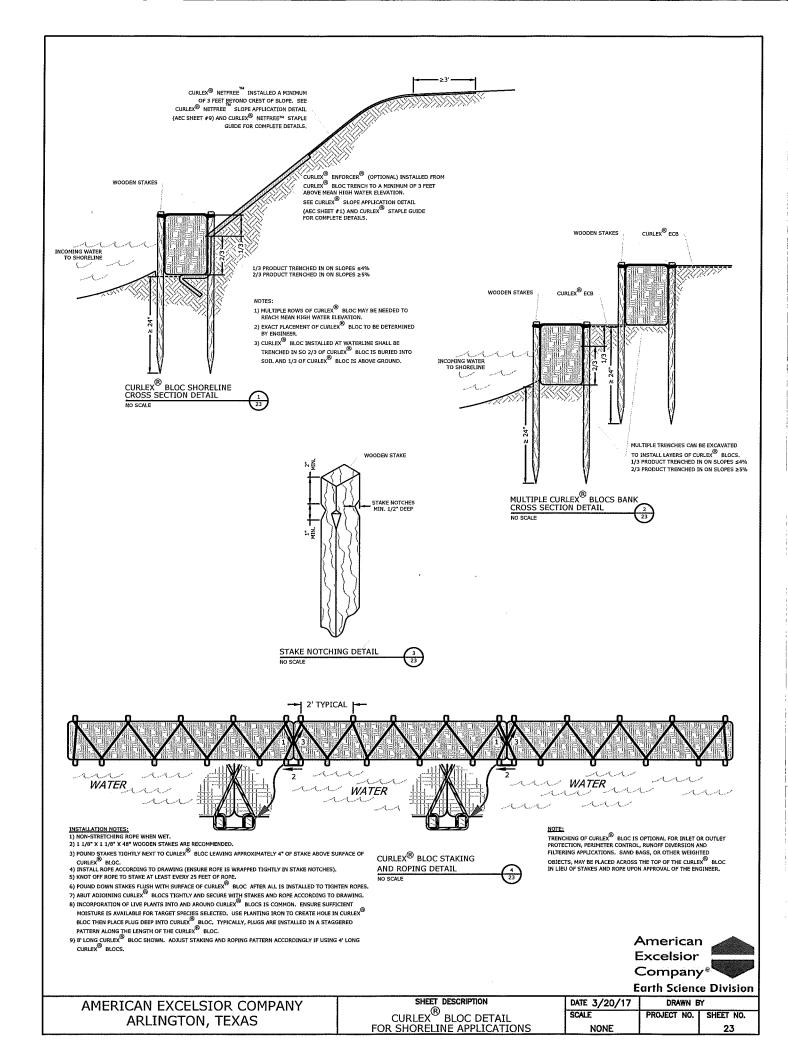
CLIENT: TOM & NANCY FUDALI

COUNTY: POLK

			Date	Drawing Name
	Designed _	KBP	11/21	
	Drawn	KBP	11/21	Date
ı	Checked _			
_	Approved			Sheet 3 of 8







SEEDING DATES

TIME PERIOD		DATES		TYPE OF SEEDING
Spring	April 15	through	June 1	Permanent
Summer	June 2	through	see WI-710 pg. 2	Temporary *
Late Summer	August 1	through	August 22	Permanent
Fall	August 23	through	see WI- 710 pg. 2	Temporary *
Late Fall	November 1	through	snow cover	Dormant
Winter	snow cover	through	April 14	Frost Seed Not Allowed

MATERIALS

If no soil test is available, apply a minimum of 150 pounds of 20-10-10 fertilizer per acre. This is equivalent to 30 pounds nitrogen (N), 15 pounds phosphate (P205), and 15 pounds potash (K20) per acre. Apply two tons/ac of 80-89 lime or equivalent. (see page 2 for equivalent)

* Seed a temporary cover crop of _____at a rate of 64 pounds/acre. (___2 Bushels/acre)
A permanent seeding shall be completed during the next acceptable time period following a temporary seeding.

MINIMUM PURE LIVE SEED (PLS) RATE PER ACRE AND TOTAL POUNDS OF SEED NEEDED

SEEDING MIX1 LOCATION ACRES	ON	0.1	SEEDING MIX2
SPECIES	RATE	POUNDS	SPECIES
Fox Sedge	0.3	.03	Indiangrass
Canada Wildrye	3.0	.30	Fowl Mannagrass
Prairie Cordgrass	2.5	.25	Big Bluestem
Canada Milkvetch	0.1	.01	Bottlebrush Sedge
Red Clover	0.1	.01	Cardinal Flower
Birdsfoot Trefoil	0.2	.02	Smooth Blue Aster
· *			Mountain Mint

1. PLS = (% Germination X % Purity)

** Companion Crop

┙			
	Indiangrass	1.5	.03
	Fowl Mannagrass	0.1	.002
	Big Bluestem	2.0	.04
	Bottlebrush Sedge	0.2	.01
	Cardinal Flower	0.03	.0006
	Smooth Blue Aster	0.25	.005
	Mountain Mint	0.05	.001
	Culver's Root	0.01	.0002
	Foxglove Beardtongue	0.2	.004
	Common Ironweed	0.3	.006
	Canada Milkvetch	0.2	.004
	White Ladino Clover	0.2	.004

LOCATION

ACRES

0.02

RATE POUNDS

Total % Germination may also be termed Total % Viable Seed on a tag. If a tag only shows % Germination, the user must include percentage of the seed that germinated during the lab test (% Germination) plus the percentage of hard and/or dormant seed. Hard seed and dormant seed are seeds that are still capable of germinating and producing a plant but did not germinate under the conditions of the test in the lab.

Additional native seeds may be required by permitting agencies. These additions are allowed. Seed mixture shall meet all requirements of the WI weed laws. Species identified as restricted or prohibited by law shall not be planted. Certified seed shall be used, and the seeding rates will be based on pure live seed. For dormant seedings, increase the seeds per square foot by 15%.

SEEDBED PREPARATION

Seedbed preparation shall immediately follow construction activities.

Prepare a fine, firm seedbed to a minimum depth of three inches. A seedbed is considered firm when a footprint penetrates less than 1/4 inch deep.

USDA United States
Department of
Agriculture
Natural Resources
Conservation Service

NATIVE SPECIES SEEDING ESTABLISHMENT

		WI-/10 Page 1 of 2		
Designed .	KBP	Date 11/21	File Name WI—710	
Drawn	KBP	11/21	Date	
Checked .			12/2019	
Approved			Sheet 7 of 8	

SEEDING

Inoculate legumes with the specific inoculum for the species in accordance with the manufacturer's recommendations. When using a hydroseeder, five times the recommended rate of inoculant shall be added to the hydroseeder. Inoculant shall not be mixed with liquid fertilizer.

Seed may be broadcast or drilled as appropriate to the site.

Seed, fertilize, and lime as soon as possible after construction.

Seeding perpendicular to direction of flow is required to limit erosion.

Seed grasses and legumes no more than 1/4 inch deep.

Consider seeding at a lower rate and making 2 passes to ensure more uniform distribution.

TEMPORARY SEEDING OPTIONS

Select one of the following species for temporary cover if:

1) The required seeds or plant stock are not available or the normal permanent seeding period for the species has passed

Forage Sorghum - 1/2 bushel per acre (May 15-July 15)

Sorghum — Sudangrass Hybrid — 1 bushel per acre (May 15—July 15) Sudangrass — 1 bushel per acre (May 15—July 15)

Winter Wheat - 2 bushels per acre (Aug 1-Oct 1)

Winter Cereal Rye - 2 bushels per acre (Aug 1-Oct 15)

Oats - 2 bushels per acre (Apr 1-Sept 1)

Annual Ryegrass - 20 Pounds per acre (Apr 1-Sept 1)

2) Triazine herbicide carryover will not allow establishment of permanent cover immediately.

Forage Sorghum - 1/2 Bushel per acre (May 15-July 15)

Sorghum - Sudangrass Hybrid - 1 Bushel per acre (May 15-July 15)

Sudangrass - 1 Bushel per acre (May 15-July 15)

DORMANT SEEDING

Seed is broadcast and incorporated, no—tilled, or drilled into the seedbed. Seedbed preparations and conditions are similar to conventional seeding.

MULCHING

(Mulching is required.)

(Mulching is not required.)

Mulching shall be done immediately after seedbed preparation and seeding. Mulch shall be applied immediately after final grading for areas seeded at a later date.

Mulch material shall be relatively free of disease, pesticides, chemicals, noxious weed seeds, and other pests and pathogens.

Spread straw and hay mulch uniformly and at the rate of 1.5—2.0 tons per acre (60—70 bales). This application results in a layer of 6 to 7 stems, 1 to 2 inches thick, and provides a minimum 70% ground cover. Some soil surface can be seen after the application. Crimping (disking), wood cellulose fiber, tackifiers, netting, pinning, or other acceptable methods of anchoring will be used if needed to hold the mulch in place.

If other mulch materials are used, the rate of application shall meet the manufacturer's recommendations.

Two (2) tons/ac of 80-89 lime or equivalent from UW-EXT A3671

Lime Quality	Tons/AC
40-4 9	3.9
50-59	3.2
60-69	2.7
70-79	2.3
90-99	1.9
100 +	1.6

WI-710 Page 2 of 2



NATIVE SPECIES SEEDING ESTABLISHMENT

Designed	KBP	11/21	File Name WI—710			
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