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Stream Restoration Planting Plan

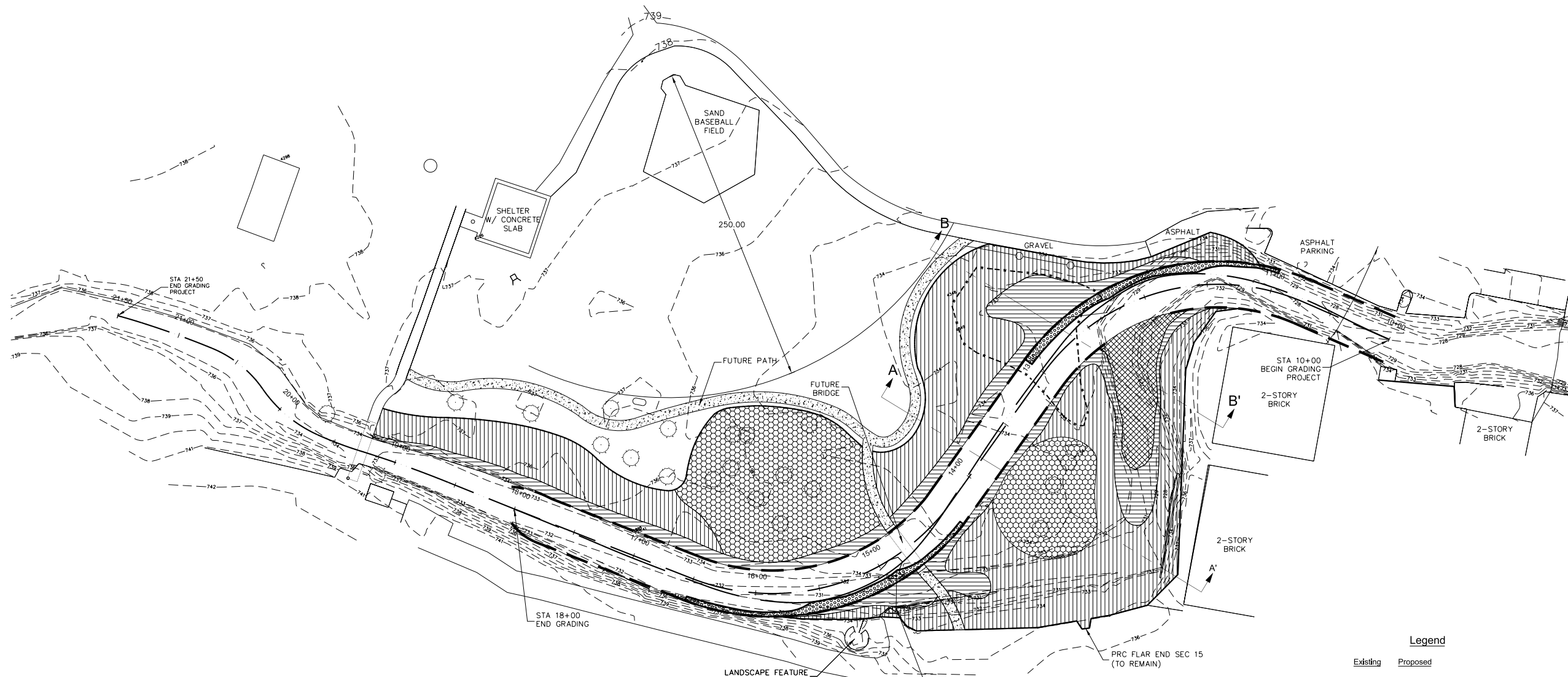
Drawn By: t.e.g./EMK AES Project No.: 05-0198 (02-527)
Checked: WWS File Name: 020627/esd20100528_Planting.dwg
Approved: GDP Date: 05-16-2003

Crystal Creek Realignment Algonquin, Illinois Village of Algonquin 125 Wilbrandt Street Algonquin, Illinois 60102

Revisions:

No.	By	Date	Description
1		06-30-03	Village Comments
2		12-11-03	Regulatory Comments
3		02-04-04	Village Comments
4		11-30-09	CBBE Comments
5		02-26-10	Final AES review for ACOE submittal
6		05-28-10	ACOE & MCSWCD Comments
7		05-16-11	ACOE permit submittal

Sheet Number
3 of 10



Legend

	Existing		Proposed
	TREE TO REMAIN		BANKFULL
	LIMIT OF CONSTRUCTION		WETLAND BOUNDARY
	SEEDING EMERGENT MIX AND EMERGENT TYPE PLUGS		SEEDING WET PRAIRIE MIX AND WET PRAIRIE TYPE PLUGS
	SEEDING MESIC PRAIRIE MIX AND MESIC PRAIRIE TYPE PLUGS		SEEDING SAVANNA MIX AND SAVANNA TYPE PLUGS
	FENCE		RIPRAP

PERENNIAL PLANTS, EMERGENT TYPE, 2" DIAMETER BY 4" DEEP PLUG

SCIENTIFIC NAME	COMMON NAME	plants
<i>Acorus calamus</i>	Sweet flag	520
<i>Iris virginica alba</i>	Blue flag	520
<i>Sagittaria arifolia</i>	Chaimaker's rush	520
<i>Sagittaria latifolia</i>	Common arrowhead	520
<i>Sparganium americanum</i>	Common bur reed	520

PERENNIAL PLANTS, MESIC PRAIRIE TYPE, 2" DIAMETER BY 4" DEEP PLUG

SCIENTIFIC NAME	COMMON NAME	plants
<i>Corynephorus lanicola</i>	Sand tickseed	200
<i>Achillea tuberosa</i>	Butterfly milkweed	200
<i>Liatris aspera</i>	Rough blazing star	200
<i>Pentstemon digitalis</i>	Foxglove beard tongue	200

PERENNIAL PLANTS, SAVANNA TYPE, 2" DIAMETER BY 4" DEEP PLUG

SCIENTIFIC NAME	COMMON NAME	plants
<i>Carex praealpina</i>	Pennsylvania sedge	250
<i>Geranium maculatum</i>	Wild geranium	100
<i>Hibiscus strumosus</i>	Woodland sunflower	200
<i>Phlox divaricata</i>	Blue phlox	250

PERENNIAL PLANTS, WET PRAIRIE TYPE, 2" DIAMETER BY 4" DEEP PLUG

SCIENTIFIC NAME	COMMON NAME	plants
<i>Calamagrostis canadensis</i>	Blue joint grass	1000
<i>Carex lycuria</i>	Bottlebrush sedge	2000
<i>Carex lasiocarpa</i>	Bebb's sedge	2000
<i>Carex vulpinoidea</i>	Fox sedge	2000
<i>Iris virginica alba</i>	Blue flag	2000
<i>Spartina patens</i>	Prairie cord grass	1000

SEEDING, MESIC MIX

Wet Prairie Species List

SCIENTIFIC NAME	COMMON NAME	oz./ac.
<i>Andropogon gerardii</i>	Big bluestem	32.0
<i>Andropogon scoparius</i>	Little bluestem	24.0
<i>Elymus canadensis</i>	Canada wild rye	48.0
<i>Panicum virgatum</i>	Switch grass	16.0
<i>Sorghastrum nutans</i>	Indian grass	40.0
Total grasses, sedges, etc. (lbs./ac.) 10.0		

Forbs

SCIENTIFIC NAME	COMMON NAME	oz./ac.
<i>Allium arvensis</i>	Nodding wild onion	4.0
<i>Aster laevis</i>	Smooth blue aster	2.4
<i>Aster erinoides</i>	Heath aster	1.6
<i>Aster novae-angliae</i>	New England aster	2.4
<i>Chamaecrista virginiana</i>	Purple coneflower	1.6
<i>Domium canadense</i>	Shovely tick leaf	4.8
<i>Hedeoma pinnatifidum</i>	False sunflower	4.8
<i>Lepachium capitatum</i>	Round-headed bush clover	2.4
<i>Liatris scariosa</i>	Purple blazing star	6.4
<i>Lupinus perennis</i>	Lupine	1.6
<i>Wild begonias</i>	Wild begonia	3.2
<i>Foxglove beard tongue</i>	Foxglove beard tongue	2.4
<i>Purple prairie clover</i>	Purple prairie clover	3.2
<i>Common mountain mint</i>	Common mountain mint	1.6
<i>Yellow coneflower</i>	Yellow coneflower	4.8
<i>Black-eyed Susan</i>	Black-eyed Susan	2.4
<i>Stiff goldenrod</i>	Stiff goldenrod	1.6
<i>Spiny goldenrod</i>	Spiny goldenrod	2.4
<i>Common spiderwort</i>	Common spiderwort	2.4
<i>Heavy vervain</i>	Heavy vervain	1.6
<i>Golden Alexander</i>	Golden Alexander	2.4
Total forbs (lbs./ac.) 4.0		

Cover Crop

SCIENTIFIC NAME	COMMON NAME	oz./ac.
<i>Avena sativa</i> (spring)	Oats	320.0
<i>Secale cereale</i> (fall)	Winter rye	320.0
Total (lbs./ac.) 20.0		

SEEDING, WET PRAIRIE MIX

Wet Prairie Species List

SCIENTIFIC NAME	COMMON NAME	oz./ac.
<i>Andropogon gerardii</i>	Big bluestem	8.0
<i>Andropogon scoparius</i>	Little bluestem	8.0
<i>Carex crinitella</i>	Crested oval sedge	16.0
<i>Carex vulpinoidea</i>	Bottlebrush sedge	24.0
<i>Elymus canadensis</i>	Canada wild rye	1.6
<i>Elymus virginicus</i>	Virginia wild rye	16.0
<i>Glyceria striata</i>	Manna grass	8.0
<i>Juncus dielii</i>	Doddy's rush	1.6
<i>Juncus effusus</i>	Common spike rush	1.6
<i>Lernaea styriaca</i>	Rice cut grass	1.6
<i>Panicum virgatum</i>	Switch grass	16.0
<i>Sagittaria arifolia</i>	Chaimaker's rush	1.6
<i>Sagittaria latifolia</i>	Common arrowhead	2.4
Total grasses, sedges, etc. (lbs./ac.) 9.1		

Forbs

SCIENTIFIC NAME	COMMON NAME	oz./ac.
<i>Achillea tuberosa</i>	Butterfly milkweed	2.4
<i>Aster novae-angliae</i>	New England aster	4.8
<i>Cirsium discolor</i>	White thistle	3.2
<i>Cirsium montanum</i>	Mountain thistle	1.6
<i>Hibiscus strumosus</i>	Woodland sunflower	3.2
<i>Lobelia siphilitica</i>	Great blue lobelia	2.4
<i>Lupinus americanus</i>	Common water horshound	1.6
<i>Mimulus ringens</i>	Monkey flower	3.2
<i>Polygonum persicaria</i>	Smartweed	2.4
<i>Polygonum virginianum</i>	Common mountain mint	3.2
<i>Tricoryn canadensis</i>	Gemander	1.6
<i>Veronica hastata</i>	Blue vervain	2.4
Total forbs (lbs./ac.) 2.0		

Cover Crop

SCIENTIFIC NAME	COMMON NAME	oz./ac.
<i>Echinochloa crusgalli</i>	Barnyard grass	160.0
<i>Lolium multiflorum</i> (spring)	Annual ryegrass	160.0
<i>Secale cereale</i> (fall)	Winter rye	160.0
Total (lbs./ac.) 20.0		

SEEDING, SAVANNA MIX

Savanna Species List

SCIENTIFIC NAME	COMMON NAME	oz./ac.
<i>Andropogon gerardii</i>	Big bluestem	16.0
<i>Bromus pteropus</i>	Woodland Brome	24.0
<i>Carex spraguei</i>	Long-beaked sedge	8.0
<i>Elymus canadensis</i>	Canada wild rye	32.0
<i>Elymus villosus</i>	Silky Wild Rye	24.0
<i>Elymus virginicus</i>	Virginia Wild Rye	24.0
<i>Hymenocallis</i>	Bottlebrush sedge	24.0
<i>Panicum virgatum</i>	Switch grass	4.0
<i>Sorghastrum nutans</i>	Indian grass	8.0
Total grasses, sedges, etc. (lbs./ac.) 10.3		

Forbs

SCIENTIFIC NAME	COMMON NAME	oz./ac.
<i>Allium arvensis</i>	Nodding wild onion	1.6
<i>Anemone virginiana</i>	Tall thimbleweed	1.2
<i>Asplenium adnigrum</i>	Columbine	1.6
<i>Aster ageratoides</i>	Sky-Blot Aster	1.6
<i>Aster latifolius</i>	Side-flowering aster	4.8
<i>Aster spicatus</i>	Diamond's aster	4.0
<i>Campanula americana</i>	Tall bellflower	4.8
<i>Eupatorium purpureum</i>	Savanna Joe Pyeweed	3.2
<i>Eupatorium rugosum</i>	White snakeroot	2.4
<i>Geranium maculatum</i>	Wild geranium	2.4
<i>Hibiscus strumosus</i>	Woodland sunflower	2.4
<i>Manisuris flabellata</i>	Wild begonias	6.8
<i>Pentstemon digitalis</i>	Bearded fox glove	4.8
<i>Phlox pilularis</i>	Phlox	0.8
<i>Polimnium virginicum</i>	Jacob's ladder	0.8
<i>Lupinus americanus</i>	Common water horshound	8.0
<i>Rudbeckia triloba</i>	Brown-eyed Susan	2.4
<i>Scyrinchium campetris</i>	Eye Grass	0.4
<i>Solidago nemoralis</i>	Faint Solomon's seal	4.8
<i>Solidago flexilis</i>	Blind-leaved goldenrod	1.2
<i>Solidago nemoralis</i>	Blind-leaved goldenrod	3.2
<i>Tradescantia virginiana</i>	Spiderwort	1.6
<i>Zizia aurea</i>	Golden Alexander	1.6
Total forbs (lbs./ac.) 4.1		

Cover Crop

SCIENTIFIC NAME	COMMON NAME	oz./ac.
<i>Avena sativa</i> (spring)	Oats	320.0
<i>Secale cereale</i> (fall)	Winter rye	320.0
Total (lbs./ac.) 20.0		

BRIDGE REMOVAL
CONCRETE FOUNDATION REMOVAL
DRIVE PAVEMENT REMOVAL
CONCRETE REMOVAL
(BY OTHERS)

LANDSCAPE FEATURE
(TO REMAIN)

PRC FLAR END SEC 15
(TO REMAIN)

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CRYSTAL CREEK REALIGNMENT PLANS

FILE NAME = ...\\D160F72-sht-Towne Park-05.dgn	USER NAME = okw	DESIGNED - AES	REVISED -
		DRAWN - AES	REVISED -
		CHECKED - AES	REVISED -
		DATE - 5/3/2012	REVISED -

O.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0003	18A-2	MCHENRY	825	402
SCALE: AS NOTED			CONTRACT NO. 60F72	
SHEET NO. 3 OF 10 SHEETS		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT		