

PRAIRIE MIX
(ABOVE ELEVATIONS 627)

BOTANICAL NAME	COMMON NAME	OUNCES/ACRE
TEMPORARY COVER:		
Avena sativa	COMMON OAT	200
Lolium multiflorum	ANNUAL RYE	150
		TOTAL 350
PRAIRIE MIX:		
Andropogon gerardii	BIG BLUESTEM	32
Aster novae-angliae	NEW ENGLAND ASTER	2
Baptisia lactea	WHITE WILD INDIGO	2
Calamagrostis canadensis	BLUEJOINT GRASS	5
Carex frankii	BRISTLY CATTAIL SEDGE	5
Carex lurida	BOTTLEBRUSH SEDGE	5
Carex sparganoides v. cephaloides	ROUGH-CLUSTERED SEDGE	5
Chamaecrista fasciculata	PARTRIDGE PEA	10
Coreopsis tripteris	TALL COREOPSIS	5
Desmodium illinoense	ILLINOIS TICK TREFOIL	5
Elymus canadensis	CANADA WILD RYE	20
Eryngium yuccifolium	RATTLESNAKE MASTER	4
Filipendula rubra	QUEEN OF THE PRAIRIE	1
Gentiana andrewsii	BOTTLE GENTIAN	1
Helenium autumnale	SNEEZEWEED	4
Helenium grosseserratum	SAW-TOOTH SUNFLOWER	3
Lespedeza capitata	ROUND-HEADED BUSH CLOVER	8
Liatris spicata	MARSH BLAZING STAR	4
Monarda fistulosa	WILD BERGAMOT	10
Panicum virgatum	SWITCH GRASS	5
Parthenium integrifolium	WILD QUININE	8
Physostegia virginiana	FALSE DRAGONHEAD	2
Pycnanthemum virginianum	VIRGINIA MOUNTAIN MINT	4
Rafibida pinnata	YELLOW CONEFLOWER	5
Rudbeckia hirta	BLACK-EYED SUSAN	5
Rudbeckia laciniata	WILD GOLDEN GLOW	4
Rudbeckia subtomentosa	SWEET BLACK-EYED SUSAN	3
Scirpus pendulus	RED BULRUSH	3
Silphium integrifolium	ROSEMARY	5
Silphium laciniatum	COMPASS PLANT	3
Silphium perfoliatum	CUP PLANT	1
Silphium terrebinthinaceum	PRAIRIE DOCK	6
Solidago juncea	EARLY GOLDENROD	3
Solidago rigida	STIFF GOLDENROD	5
Solidago rugosa	ROUGH GOLDENROD	5
Sorghastrum nutans	INDIAN GRASS	10
Spartina pectinata	PRAIRIE CORD GRASS	10
Tradescantia ohioensis	COMMON SPIDERWORT	4
Vernonia spp.	IRONWEED (VARIOUS MIX)	5
Vernonia virginiana	CULVER'S ROOT	2
Zizia aurea	GOLDEN ALEXANDERS	2
		TOTAL 231

EMERGENT PLANTS (DEEP)
(BETWEEN ELEVATIONS 625 AND 624)

BOTANICAL NAME	COMMON NAME
Acorus calamus	SWEET FLAG
Carex lacustris	COMMON LAKE SEDGE
Cephalanthus occidentalis	BUTTONBUSH
Decodon verticillatus	SWAMP LOOSESTRIFE
Hibiscus laevis	SMOOTH ROSE MALLOW
Hibiscus moscheutos	SWAMP ROSE MALLOW
Peltandra virginica	ARROW ARUM
Pontederia cordata	PICKEREL WEED
Potamogeton nutans	COMMON POND WEED
Potamogeton pectinatus	SAGO PONDWEED
Sagittaria latifolia	COMMON ARROWHEAD
Scirpus acutus	HARD-STEMMED BULRUSH
Scirpus fluviatilis	RIVER BULRUSH
Scirpus validus	GREAT BULRUSH
Sparganium americanum	AMERICAN BUR REED
Zizania aquatica	WILD RICE
PLANT AT 300 EACH PER ACRE	

EMERGENT MIX (EDGE)
(BETWEEN ELEVATIONS 627 AND 625.5)

BOTANICAL NAME	COMMON NAME	OUNCES/ACRE
TEMPORARY COVER:		
Avena sativa	COMMON OAT	200
Lolium multiflorum	ANNUAL RYE	100
		TOTAL 300
EMERGENT MIX (EDGE):		
Acorus calamus	SWEET FLAG	4
Alisma subcordatum	WATER PLANTAIN	3.5
Asclepias incarnata	SWAMP MILKWEED	4
Aster puniceus	SWAMP ASTER	4
Bidens spp.	BIDENS (VARIOUS MIX)	4
Carex comosa	BRISTLY SEDGE	3
Carex cristatella	CRESTED OVAL SEDGE	3
Carex frankii	BRISTLY CATTAIL SEDGE	4
Carex lurida	BOTTLEBRUSH SEDGE	5
Carex vulpinoidea	BROWN FOX SEDGE	8
Decodon verticillatus	SWAMP LOOSESTRIFE	2
Eleocharis palustris	GREAT SPIKE RUSH	10
Elymus virginicus	VIRGINIA WILD RYE	25
Eupatorium perfoliatum	COMMON BONESET	20
Glyceria striata	FOWL MANNA GRASS	15
Helenium autumnale	SNEEZEWEED	8
Hibiscus palustris	SWAMP ROSEMALLOW	4
Iris virginica	BLUE FLAG IRIS	8
Leersia oryzoides	RICE CUT GRASS	4.5
Lobelia siphilitica	BLUE LOBELIA	4
Ludwigia alternifolia	SEEDBOX	4
Mimulus ringens	MONKEY FLOWER	4
Peltandra virginica	ARROW ARUM	4
Rudbeckia laciniata	WILD GOLDEN GLOW	3
Sagittaria latifolia	BROAD-LEAF ARROWHEAD	4.5
Scirpus atrovirens	GREEN BULRUSH	4
Scirpus cyperinus	WOOL GRASS	1.5
Scirpus pungens	CHAIRMAKER'S RUSH	3
Scirpus validus	GREAT BULRUSH	4
Senna hebecarpa	WILD SENNA	3
Sparganium eurycarpum	GREAT BUR REED	4
Thalictrum dasycarpum	PURPLE MEADOW RUE	4
Verbena hastata	BLUE VERVAIN	3
Verbesina alternifolia	WINGSTEM	3
Vernonia spp.	IRONWEED (VARIOUS MIX)	10
		TOTAL 201

AQUATIC PLANTS
(BETWEEN ELEVATIONS 624 AND 621)

BOTANICAL NAME	COMMON NAME
Elodea canadensis	COMMON WATERWEED
Nelumbo lutea	LOTUS
Nuphar advena	YELLOW POND LILY
Nymphaea odoratus	WHITE WATER LILY
Potamogeton nutans	COMMON POND WEED
Potamogeton pectinatus	SAGO PONDWEED
Potamogeton nodosus	LONG-LEAVED PONDWEED
Vallisneria spiralis	WILD RICE
Zizania aquatica	WILD RICE
PLANT AT 100 EACH PER ACRE	

NATIVE PLANTING AND SEEDING SCHEDULE

GRADING SHEET	SEEDING				P PL WETLAND 2X4 D PPLG	
	STORMWATER MIX (SQ.FT)	PRAIRIE MIX (SQ.FT)	EMERGENT MIX (EDGE) (SQ.FT)	EMERGENT MIX (SHALLOW) (SQ.FT)	EMERGENT PLANTS (DEEP) (SQ.FT)	AQUATIC PLANTS (SQ.FT)
2 OF 6	57,400		23,600			
3 OF 6		6,900	4,500	2,200	26,900	7,600
4 OF 6		23,800	8,775	1,500	2,300	9,500
5 OF 6		15,100	3,681	1,600	6,400	4,900
6 OF 6		22,100	6,600	2,500	10,100	11,300
TOTAL (SQ.FT)	57,400	67,900	47,156	7,800	45,700	33,300
TOTAL	1.3	1.6	1.1	0.2	315	76
PAY UNIT	ACRE	ACRE	ACRE	ACRE	UNIT	UNIT

EMERGENT MIX (SHALLOW)
(BETWEEN ELEVATIONS 625.5 AND 625)

BOTANICAL NAME	COMMON NAME	OUNCES/ACRE
TEMPORARY COVER:		
Avena sativa	COMMON OAT	200
Lolium multiflorum	ANNUAL RYE	100
		TOTAL 300
EMERGENT MIX (SHALLOW):		
Acorus calamus	SWEET FLAG	4
Alisma subcordatum	COMMON WATER PLANTAIN	8
Asclepias incarnata	SWAMP MILKWEED	4
Carex comosa	BRISTLY SEDGE	4
Carex lacustris	COMMON LAKE SEDGE	4
Carex lurida	BOTTLEBRUSH SEDGE	4
Carex vulpinoidea	BROWN FOX SEDGE	6
Cephalanthus occidentalis	BUTTON BUSH	4
Decodon verticillatus	SWAMP LOOSESTRIFE	4
Eleocharis ovata	BLUNT SPIKE RUSH	5
Eupatorium maculatum	SPOTTED JOE-PYE WEED	8
Hibiscus palustris	SWAMP ROSEMALLOW	4
Iris virginica	BLUE FLAG IRIS	10
Juncus effusus	COMMON RUSH	5
Leersia oryzoides	RICE CUT GRASS	10
Labelia cardinalis	CARDINAL FLOWER	5
Lobelia siphilitica	GREAT BLUE LOBELIA	5
Ludwigia alternifolia	SEEDBOX	10
Mimulus ringens	MONKEY FLOWER	8
Peltandra virginica	ARROW ARUM	10
Pontederia cordata	PICKEREL WEED	10
Sagittaria latifolia	BROAD-LEAF ARROWHEAD	10
Scirpus acutus	HARD-STEMMED BULRUSH	8
Scirpus pungens	CHAIRMAKER'S RUSH	8
Scirpus validus	GREAT BULRUSH	10
Sparganium americanum	AMERICAN BUR REED	5
Sparganium eurycarpum	COMMON BUR REED	5
Verbena hastata	BLUE VERVAIN	8
Zizania aquatica	WILD RICE	10
		TOTAL 200

STORMWATER MIX
(BOTTOM OF DETENTION POND)

BOTANICAL NAME	COMMON NAME	OUNCES/ACRE
TEMPORARY COVER:		
Avena sativa	COMMON OAT	200
Lolium multiflorum	ANNUAL RYE	100
		TOTAL 300
EMERGENT MIX (EDGE):		
Acorus calamus	SWEET FLAG	4
Alisma subcordatum	WATER PLANTAIN	3.5
Asclepias incarnata	SWAMP MILKWEED	4
Aster puniceus	SWAMP ASTER	4
Bidens spp.	BIDENS (VARIOUS MIX)	4
Carex comosa	BRISTLY SEDGE	3
Carex cristatella	CRESTED OVAL SEDGE	3
Carex frankii	BRISTLY CATTAIL SEDGE	4
Carex lurida	BOTTLEBRUSH SEDGE	5
Carex vulpinoidea	BROWN FOX SEDGE	8
Decodon verticillatus	SWAMP LOOSESTRIFE	2
Eleocharis palustris	GREAT SPIKE RUSH	10
Elymus virginicus	VIRGINIA WILD RYE	25
Eupatorium perfoliatum	COMMON BONESET	20
Glyceria striata	FOWL MANNA GRASS	15
Helenium autumnale	SNEEZEWEED	8
Hibiscus palustris	SWAMP ROSEMALLOW	4
Iris virginica	BLUE FLAG IRIS	8
Leersia oryzoides	RICE CUT GRASS	4.5
Lobelia siphilitica	BLUE LOBELIA	4
Ludwigia alternifolia	SEEDBOX	4
Mimulus ringens	MONKEY FLOWER	4
Peltandra virginica	ARROW ARUM	4
Rudbeckia laciniata	WILD GOLDEN GLOW	3
Sagittaria latifolia	BROAD-LEAF ARROWHEAD	4.5
Scirpus atrovirens	GREEN BULRUSH	4
Scirpus cyperinus	WOOL GRASS	1.5
Scirpus pungens	CHAIRMAKER'S RUSH	3
Scirpus validus	GREAT BULRUSH	4
Senna hebecarpa	WILD SENNA	3
Sparganium eurycarpum	GREAT BUR REED	4
Thalictrum dasycarpum	PURPLE MEADOW RUE	4
Verbena hastata	BLUE VERVAIN	3
Verbesina alternifolia	WINGSTEM	3
Vernonia spp.	IRONWEED (VARIOUS MIX)	10
		TOTAL 201

NATIVE PLANTING AND SEEDING NOTES:

PLANTING BEDS FOR ALL NATIVE PLANTED AND SEEDED AREAS SHALL BE PREPARED WITH A MINIMUM DEPTH OF ORGANIC TOPSOIL AVAILABLE FROM WITHIN THE PROJECT SITE OF 12-INCHES PREPARED IN ACCORDANCE WITH SECTION 211 OF THE STANDARD SPECIFICATIONS.

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 40 LBS/ACRE.

PLUGS SHALL BE INOCULATED WITH VESICULAR ARBUSCULAR MYCORRHIZAE ENDOMYCORRHIZAL FUNGI.

IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE ENGINEER OF ANY WEATHER EVENT OR TREND, OR ACTIVITY DUE TO OTHERS WHICH IS BEYOND THE CONTRACTOR'S CONTROL THAT IS AFFECTING HIS/HER ABILITY TO ACHIEVE THE REQUIRED PERFORMANCE STANDARDS. THESE EVENTS ARE CONSIDERED TO BE SITUATIONS BEYOND THE CONTROL OF THE CONTRACTOR. IF AN EVENT BEYOND CONTRACTOR CONTROL OCCURS AND DAMAGES OR KILLS THE SEEDING AND/OR THE WETLAND PLANTS PRIOR TO FINAL RETAINAGE PAYMENT, THE CONTRACTOR MUST IMMEDIATELY CONTACT THE ENGINEER AS SOON AS THE EVENT OCCURS. THE ENGINEER WILL EVALUATE THE SITUATION AND IF THE ENGINEER CONCURS THAT THE EVENT WAS IN FACT BEYOND THE CONTRACTOR'S CONTROL, THE CONTRACTOR WILL BE COMPENSATED FOR RESEEDING AND REPLANTING AT THE CONTRACT UNIT PRICES FOR THE ITEMS INVOLVED. THE CONTRACTOR SHALL MAINTAIN A PHOTO LOG AND JOURNAL OF THE SITES, RECORDED PERIODICALLY UNTIL THE FINAL ACCEPTANCE. THESE PHOTO LOGS AND JOURNAL WILL DOCUMENT THE VIABILITY OF PLANTINGS AND SEEDINGS FOR THE PURPOSE OF OBTAINING PAYMENT FOR RE-PLANTING AND RE-SEEDING AND MUST ALSO DOCUMENT ALL EVENTS WHICH OCCURRED WHICH WERE BEYOND THEIR CONTROL.

THE CLASSES OF SEED MIXTURES AND PLANTINGS ARE DESIGNATED IN THE PLANS. ALL SEED AND PLANTINGS SHALL HAVE A NATIVE SOURCE WITHIN 200 MILES OF WILL COUNTY. THE ENGINEER MUST APPROVE VARIATIONS IN SEED MIXTURE IN WRITING. SEED QUALITY MUST MEET THE APPLICABLE STANDARDS SET FORTH IN STANDARD SPECIFICATION 10B1.04. THE PLANTS SHALL MEET THE REQUIREMENTS OF SECTION 254 OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

PLUGS, TUBERS AND ROOTSTOCK SHALL BE INSTALLED DURING THE MONTHS OF MAY TO JUNE, AND WITH THE WRITTEN APPROVAL OF THE ENGINEER DURING AUGUST AND SEPTEMBER. PLUGS WILL BE INSTALLED WITHIN ONE WEEK OF SEEDING, UNLESS THE WETLAND CONSULTANT APPROVES A DIFFERENT PLANTING TIME.

PERFORMANCE STANDARDS FOR ALL NATIVE PLANTED AND SEEDED AREAS AS SHOWN ON THE GRADING PLANS AND PLANTING PLANS, RELATE TO THE INSTALLATION AND MAINTENANCE OF NATIVE LANDSCAPING WHICH INCLUDES, PRAIRIE, WETLAND, PRAIRIE BUFFER, RIPARIAN AND TREE AND SHRUB PLANTINGS.



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DESIGNED - JRP
DRAWN - MRF
CHECKED - JRP
DATE - 10/19/2012

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

95TH STREET
GRADING PLAN - DETENTION POND

SCALE: 1"=20' DRAWING NO. 1 OF 6 STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1644	01-00181-00-FP	WILL	328	90
CONTRACT NO. 63647				

ILLINOIS FED. AID PROJECT