

SEDIMENTATION AND EROSION CONTROL NOTES

- A. EROSION AND SEDIMENT CONTROL (SE/SC) MEASURES SHALL BE AS SHOWN ON THE PLANS, DETAILED IN THE SPECIAL PROVISIONS AND STANDARD SPECIFICATIONS, DIRECTED BY THE ENGINEER, AS REQUIRED BY STORM WATER POLLUTION PREVENTION PLAN AND AS REQUIRED BY USACOE AND LCSMC PERMITS.
- B. SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. SOIL STABILIZATION MEASURES SHALL CONSIDER THE TIME OF YEAR, SITE CONDITIONS AND THE USE OF TEMPORARY OR PERMANENT MEASURES.
- C. SOIL EROSION AND SEDIMENT CONTROL FEATURES SHALL BE CONSTRUCTED PRIOR TO THE COMMENCEMENT OF HYDROLOGIC DISTURBANCE OF UPLAND AREAS.
- D. DISTURBED AREAS SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT MEASURES WITHIN 7 CALENDAR DAYS OF THE END OF ACTIVE HYDROLOGIC DISTURBANCE, OR REDISTURBANCE.
- E. AREAS OR EMBANKMENT HAVING SLOPES GREATER THAN OR EQUAL TO 3H:1V, AND APPROVED BY THE ENGINEER, SHALL BE STABILIZED WITH SOD, MAT OR BLANKET IN COMBINATION WITH SEEDING AND WILL BE PAID FOR AS TEMPORARY EROSION CONTROL SEEDING.
- F. EROSION CONTROL BLANKET SHALL BE REQUIRED ON ALL SIDE SLOPES BETWEEN NORMAL WATER LEVEL AND HIGH WATER LEVEL.
- G. ALL STORM SEWERS THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED, BY AN APPROPRIATE SEDIMENT CONTROL MEASURE.
- H. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED.
- I. ALL TEMPORARY AND PERMANENT EROSION CONTROL MEASURES MUST BE MAINTAINED AND REPAIRED AS NEEDED. THE PROPERTY OWNER SHALL BE ULTIMATELY RESPONSIBLE FOR MAINTENANCE AND REPAIR.
- J. A STABILIZED MAT OF AGGREGATE UNDERLAIN WITH FILTER CLOTH (OR OTHER APPROPRIATE MEASURE) SHALL BE LOCATED AT ANY POINT WHERE TRAFFIC WILL BE ENTERING OR LEAVING A CONSTRUCTION SITE TO OR FROM A PUBLIC RIGHT-OF-WAY, STREET, ALLEY OR PARKING AREA. ANY SEDIMENT OR SOIL REACHING AN IMPROVED PUBLIC RIGHT-OF-WAY, STREET, ALLEY OR PARKING AREA SHALL BE REMOVED BY SCRAPING OR STREET CLEANING AS ACCUMULATIONS WARRANT AND TRANSPORTED TO A CONTROLLED SEDIMENT DISPOSAL AREA.
- K. SOIL STOCKPILES SHALL NOT BE LOCATED IN WETLANDS, WETLAND BUFFERS, FLOOD PRONE AREAS, WATERS OF THE U.S., DESIGNATED BUFFER PROTECTING WATERS OF THE US OR IN ISOLATED WATERS OF LAKE COUNTY.
- L. IF DEWATERING SERVICES ARE USED, ADJOINING PROPERTIES AND DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION. DISCHARGES SHALL BE ROUTED THROUGH AN EFFECTIVE SEDIMENT CONTROL MEASURE (E.G. SEDIMENT TRAP, SEDIMENT BASIN OR OTHER APPROPRIATE MEASURE.)
- M. THE EROSION CONTROL MEASURES INDICATED ON THE PLANS ARE THE MINIMUM REQUIREMENT. ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER OR GOVERNING AGENCY.
- N. EXCAVATED AREAS AND EMBANKMENT SHALL BE SODDED OR TEMPORARILY SEEDED IMMEDIATELY AFTER FINAL GRADING. ANY BARE EARTH THAT WILL NOT HAVE CONSTRUCTION ACTIVITY FOR 7 DAYS SHALL BE TEMPORARILY SEEDED ON A WEEKLY BASIS TO MINIMIZE THE AMOUNT OF ERODIBLE SURFACE AREA WITHIN THE CONTRACT LIMITS.
- O. TEMPORARY EROSION CONTROL SEEDING, PER IDOT STANDARD SPECIFICATION SECTION 280, SHALL BE APPLIED AT A RATE OF 100 LBS/ACRE.
- P. PERIMETER EROSION BARRIER SHALL BE INSTALLED AT LOCATIONS SPECIFIED IN THE PLANS AT 1 FOOT OUTSIDE THE TOE OF SLOPE OR INSIDE THE RIGHT-OF-WAY WHICHEVER IS CLOSER TO THE CENTERLINE, OR AS DIRECTED BY THE ENGINEER, PRIOR TO THE START OF ANY EARTHWORK, OR CULVERT CONSTRUCTION. THE PERIMETER EROSION BARRIER SHALL REMAIN IN PLACE UNTIL ALL DISTURBED AREAS HAVE BEEN STABILIZED WITH VEGETATION. AT THIS TIME THE PERIMETER EROSION BARRIER SHALL BE REMOVED AND AREAS DAMAGED BY THE FENCE INSTALLATION RESTORED.

NOTE:

OF THE 1.3 ACRES OF LAND AREA WITHIN PROJECT'S BOUNDARIES, THIS PROJECT DISTURBS 1.0 ACRES OF TOTAL LAND AREA. A NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM STORM WATER PERMIT WILL BE REQUIRED FOR THIS PROJECT.

FOR ADDITIONAL REQUIREMENTS SEE GENERAL NOTES.

SEDIMENTATION AND EROSION CONTROL NOTES

CONSTRUCTION SEQUENCING.

- 1.) INSTALLATION OF TEMPORARY SE/SC MEASURES; PERIMETER EROSION BARRIER, SEDIMENTATION BASINS/TRAPS, OIL ABSORBENT BOOM. MAINTAIN ALL SE/SC MEASURES THROUGHOUT CONSTRUCTION SEQUENCING.
- 2.) TREE REMOVAL AND CLEARING.
- 3.) EAST OF RIVER: STRIP AND REMOVE TOPSOIL IN AREAS OF PROPOSED GRADING. NO STRIPING OF TOPSOIL SHALL OCCUR WITHIN THE WETLAND AREAS OR WETLAND BUFFER AREAS. INSTALL THE BITUMINOUS AT-GRADE SECTION OF THE PATH. PLACE RIPRAP, TOPSOIL, SEEDING, EROSION CONTROL BLANKET.
- 4.) INSTALL THEN DEWATER COFFERDAM IN DES PLAINES RIVER AT PIER 3.
- 5.) INSTALL LOG MATTING IN DEWATERED COFFERDAM. BUILD PIER 3 FOUNDATION AND PIER.
- 6.) REMOVE LOG MATTING AND REMOVE COFFERDAM AT PIER 3.
- 7.) BUILD PIERS 4 AND 5.
- 8.) EAST OF RIVER: INSTALL BOARDWALK.
- 9.) INSTALL THEN DEWATER COFFERDAM IN DES PLAINES RIVER AT PIER 2.
- 10.) INSTALL LOG MATTING IN DEWATERED COFFERDAM. BUILD PIER 2 FOUNDATION AND PIER.
- 11.) REMOVE LOG MATTING, REPLACE DUAL 15" CULVERTS UNDER EXISTING DES PLAINES BIKE PATH AND REMOVE COFFERDAM AT PIER 2.
- 12.) BUILD PIER 1.
- 13.) INSTALL PRE-FABRICATED BRIDGE DECKS.
- 14.) WEST OF RIVER: STRIP AND REMOVE TOPSOIL IN AREAS OF PROPOSED GRADING. NO STRIPING OF TOPSOIL SHALL OCCUR WITHIN THE WETLAND AREAS OR WETLAND BUFFER AREAS. INSTALL THE BITUMINOUS AT-GRADE SECTION OF THE PATH. PLACE TOPSOIL, SEEDING AND EROSION CONTROL BLANKET.
- 15.) WEST OF RIVER: INSTALL BOARDWALK.
- 16.) REMOVE TEMPORARY SE/SC DEVICES WITHIN THE STABILIZED AREAS.



SEEDING, MESIC PRAIRIE

C - Value	Ind. Status	Scientific Name	Common Name	Lb. per Acre
5	FAC-	Andropogon gerardii	big bluestem	2,000
5	FACU-	Andropogon scoparius	little bluestem	0.500
8	UPL	Bouteloua curtipendula	side oats	0.250
4	FAC-	Elymus canadensis	Canada wild rye	1,000
5	FAC+	Panicum virgatum	switch grass	0.750
5	FACU+	Sorghastrum nutans	indian grass	1,500
9	UPL	Amorpha canescens	leadplant	0.125
9	UPL	Aster laevis	smooth blue aster	0.062
4	FACW	Aster novae-angliae	New England aster	0.062
8	FACU+	Baptisia leucantha*	white wild indigo	0.062
10	UPL	Carex bicknellii	Bicknell's sedge	0.062
5	FACU-	Cassia fasciculata*	partridge pea	0.125
3	UPL	Echinacea purpurea	purple coneflower	0.420
9	FAC+	Eryngium yuccifolium	rattlesnake master	0.188
5	UPL	Heliopsis helianthoides	ox-eye sunflower	0.031
4	FACU	Lespedeza capitata*	roundhead bushclover	0.125
6	UPL	Liatris aspera	button blazing star	0.125
8	FAC-	Liatris pycnostachya	prairie blazing star	0.188
4	FACU	Monarda fistulosa	bergamot	0.031
8	UPL	Parthenium integrifolium	wild quinine	0.063
4	FAC-	Penstemon digitalis	foxglove beardtongue	0.125
9	UPL	Petalostemum purpureum	purple prairie clover	0.063
6	OBL	Physostegia virginiana	fase dragonhead	0.063
9	FACU-	Potentilla arguta	prairie cinquefoil	0.063
4	UPL	Ratibida pinnata	yellow coneflower	0.125
5	FACU	Rosa blanda	early wild rose	0.125
1	FACU	Rudbeckia hirta	black-eyed susan	0.250
9	FACU+	Rudbeckia subtomentosa	sweet coneflower	0.250
5	UPL	Silphium integrifolium	rosin weed	0.188
5	UPL	Silphium laciniatum	compass plant	0.188
5	FACU	Silphium terebinthinaceum	prairie dock	0.188
4	UPL	Solidago nemoralis	old-field goldenrod	0.125
7	OBL	Solidago riddellii	Riddell's goldenrod	0.063
4	FACW-	Solidago rigida	stiff goldenrod	0.063
7	UPL	Solidago speciosa	showy goldenrod	0.063
2	FACU+	Tradescantia ohniensis	spiderwort	0.063
4	UPL	Verbena stricta	hoary vervain	0.125
5	FACW	Vernonia fasciculata	common ironweed	0.188
7	FAC	Veronicastrum virginicum	Culver's root	0.013

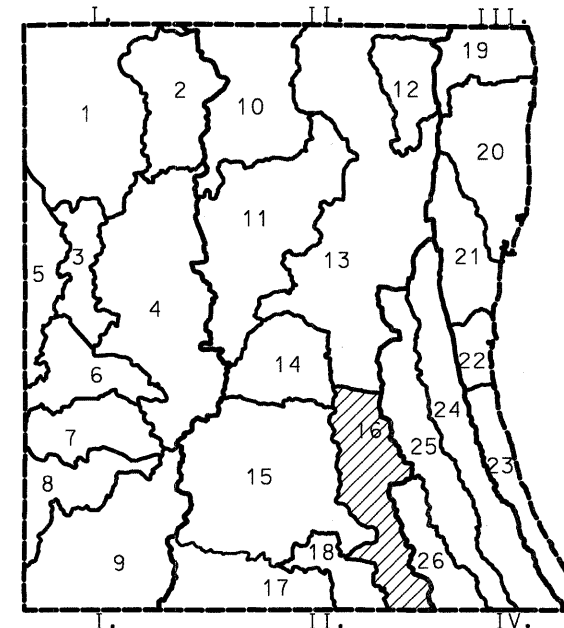
Total Weight of Seeds (lbs) 10.000

* = inoculant required

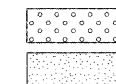
Cover Crop:

0	UPL	Lolium multiflorum	annual rye	30.000
			oats	32.000

LAKE COUNTY DRAINAGE BASINS



- I. FOX RIVER WATERSHED
 - 1. Upper Fox River
 - 2. Sequoit Creek
 - 3. Fish Lake Drain
 - 4. Squaw Creek
 - 5. Lower Fox River
 - 6. Motion Creek
 - 7. Stocum Lake Drain
 - 8. Lower Lake Drain
 - 9. Flint Creek
- II. DES PLAINES RIVER WATERSHED
 - 10. North Mill Creek
 - 11. Mill Creek
 - 12. Newport Drainage Dish
 - 13. Upper Des Plaines River
 - 14. Bull Creek
 - 15. Indian Creek
 - 16. Lower Des Plaines River
 - 17. Buffalo Creek
 - 18. Aprakistic Creek
- III. LAKE MICHIGAN WATERSHED
 - 19. Kalliope Creek
 - 20. Dead River
 - 21. Waukegan River
 - 22. Pettibone Creek
 - 23. Bluff Ravine
- IV. CHICAGO RIVER WATERSHED
 - 24. Skokie River
 - 25. Middle Fork
 - 26. West Fork



SEEDING, WET TO MESIC

C - Value	Ind. Status	Scientific Name	Common Name	Lb. per Acre
5	FAC-	Andropogon gerardii	big bluestem	1,500
3	OBL	Calamagrostis canadensis	blue joint grass	0.250
4	FACW-	Elymus virginicus	Virginia wild rye	1,000
4	FACW	Glyceria striata	fowl manna grass	0.500
5	FAC+	Panicum virgatum	switch grass	0.250
4	FACW+	Spartina pectinata	cord grass	0.250
		Alisma subcordatum	water plantain	0.250
4	OBL	Asclepias incarnata	swamp milkweed	0.063
9	UPL	Aster laevis	smooth blue aster	0.125
4	FACW	Aster novae-angliae	New England aster	0.031
		Bidens sp.	tickseed	0.062
6	OBL	Carex bebbii	Bebb's sedge	0.125
2	OBL	Carex vulpinoidea	fox sedge	0.125
2	OBL	Eleocharis acicularis	needle spike rush	0.062
2	OBL	Eleocharis erythropoda	red-rooted spike rush	0.062
4	OBL	Eupatorium maculatum	spotted joe pye weed	0.259
4	FACW+	Eupatorium perfoliatum	boneset	0.115
5	FACW+	Helenium autumnale	sneezeweed	0.500
4	FAC	Juncus dudleyi	Dudley's rush	0.031
4	FACW	Juncus torreyi	Torrey rush	0.062
6	FAC	Liatris picata	spiked gayfeather	0.188
6	FACW+	Lobelia siphilitica	great blue lobelia	0.031
5	OBL	Lycopus americanus	water horehound	0.063
7	OBL	Lythrum alatum	winged loosestrife	0.015
6	OBL	Mimulus ringens	monkey flower	0.031
4	FACU	Monarda fistulosa	bergamot	0.016
5	OBL	Penthorum sedoides	ditch stonecrop	0.001
5	FACW+	Pycnanthemum virginianum	common mountain mint	0.160
1	FACU	Rudbeckia hirta	black-eyed susan	0.250
5	FACW+	Rudbeckia laciniata	wild golden glow	0.063
		Sagittaria latifolia	arrowhead	0.500
		Scirpus fluviatilis	river bulrush	0.250
		Scirpus validus	great bulrush	0.250
5	FACW-	Silphium perfoliatum	cup plant	0.125
4	FACW-	Solidago rigida	stiff goldenrod	0.125
		Sparganium eurycarpum	bur reed	1,000
4	FACW+	Verbena hastata	blue vervain	0.046
5	FACW	Vernonia fasciculata	common ironweed	0.018
7	FAC+	Zizia aurea	golden alexander	0.031

Total Weight of Seeds (lbs) 12.250

Cover Crop:

0	UPL	Lolium multiflorum	annual rye	30.000
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