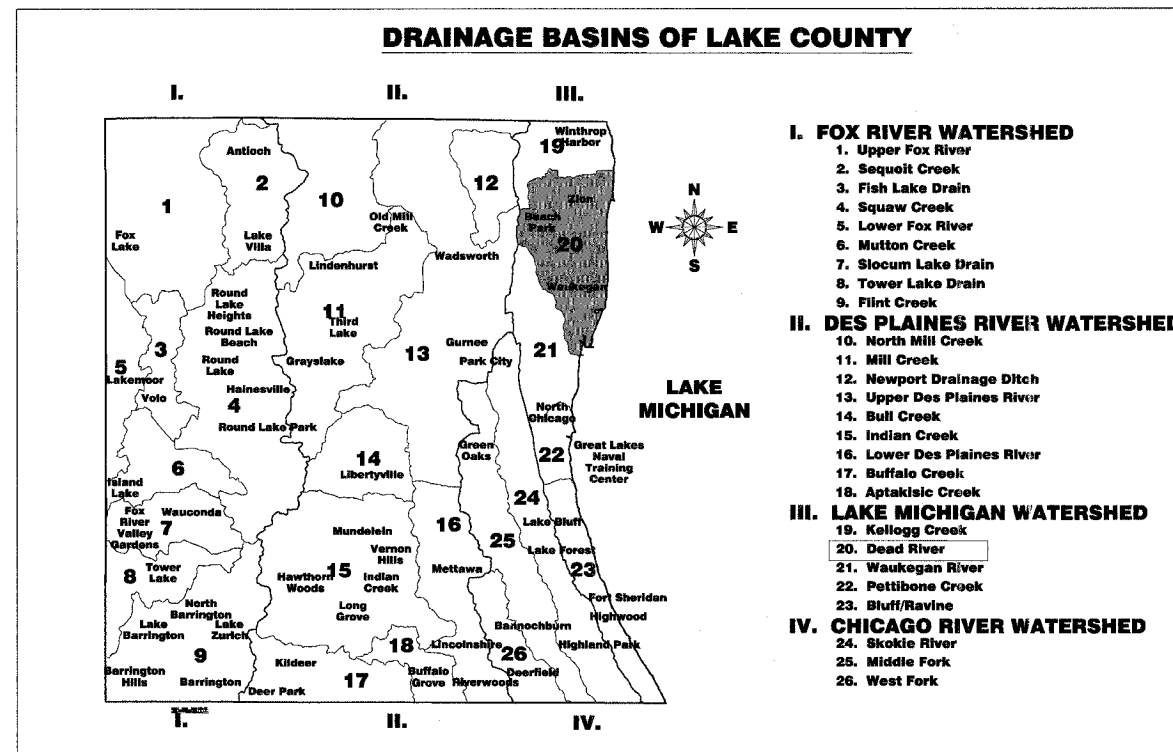


# EROSION AND SEDIMENT CONTROL PLAN & STORMWATER POLLUTION PREVENTION PLAN

THIS PROJECT DISTURBS 11.9 ACRES OF TOTAL LAND AREA. COMPLIANCE WITH THE NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES) STORMWATER PERMIT IS NECESSARY IF A PROJECT DISTURBS 1 OR MORE ACRES OF TOTAL LAND AREA; AN NPDES STORMWATER PERMIT WILL BE REQUIRED FOR THIS PROJECT.

## SEQUENCE OF EROSION CONTROL OPERATIONS

1. INSTALL PERIMETER EROSION BARRIER LOCATIONS SPECIFIED IN THE PLANS PRIOR TO THE START OF ANY EARTHWORK OR STORM SEWER CONSTRUCTION.
2. BEGIN CONSTRUCTION AND INSTALL INLET PROTECTION AS WORK PROGRESSES.
3. THE INLET PROTECTION AND THE PERIMETER EROSION BARRIER IS TO REMAIN IN PLACE UNTIL THE AREA IS STABILIZED WITH SEEDING OR SODDING.
4. WHEN THE PROJECT HAS BEEN STABILIZED WITH VEGETATION THE PERIMETER EROSION BARRIER SHALL BE REMOVED AND THE AREAS DAMAGED BY THE FENCE INSTALLATION RESTORED.



- I. FOX RIVER WATERSHED**
1. Upper Fox River
  2. Sequoit Creek
  3. Fish Lake Drain
  4. Squaw Creek
  5. Lower Fox River
  6. Mutton Creek
  7. Slocum Lake Drain
  8. Tower Lake Drain
  9. Flint Creek
- II. DES PLAINES RIVER WATERSHED**
10. North Mill Creek
  11. Mill Creek
  12. Newport Drainage Ditch
  13. Upper Des Plaines River
  14. Bull Creek
  15. Indian Creek
  16. Lower Des Plaines River
  17. Buffalo Creek
  18. Aptakasic Creek
- III. LAKE MICHIGAN WATERSHED**
19. Kellogg 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

## SUMMARY OF EROSION CONTROL ITEMS

CODED PAY NO.	ITEM	UNIT	QUANTITY
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	14100
25000210	SEEDING, CLASS 2A	ACRE	1.8
25000300	SEEDING, CLASS 3	ACRE	0.1
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	235
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	235
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	235
25100110	MULCH, METHOD 1	TON	3.8
25200110	SODDING, SALT TOLERANT	SQ YD	4900
25200200	SUPPLEMENTAL WATERING	UNIT	123
28000400	PERIMETER EROSION BARRIER	FOOT	3600
28000500	INLET AND PIPE PROTECTION	EACH	81

## GENERAL NOTES FOR EROSION CONTROL

- A. 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.**
- B. SOIL EROSION AND SEDIMENT CONTROL FEATURES SHALL BE CONSTRUCTED PRIOR TO THE COMMENCEMENT OF HYDROLOGIC DISTURBANCE OF UPLAND AREAS.**
- C. DISTURBED AREAS SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT MEASURES WITHIN 14 CALENDAR DAYS OF THE END OF ACTIVE HYDROLOGIC DISTURBANCE, OR REDISTURBANCE.**
- D. ALL STORM SEWERS THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED, BY AN APPROPRIATE SEDIMENT CONTROL MEASURE.**
- E. 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. THE COST OF THIS WORK SHALL BE INCLUDED IN THE COST OF THE RESPECTIVE EROSION CONTROL ITEM.**
- F. ALL TEMPORARY AND PERMANENT EROSION CONTROL MEASURES MUST BE MAINTAINED AND REPAIRED AS NEEDED. THE CONTRACTOR SHALL BE ULTIMATELY RESPONSIBLE FOR MAINTENANCE AND REPAIR THROUGHOUT THE COURSE OF CONSTRUCTION.**
- G. 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. THE COST OF THIS WORK SHALL BE INCLUDED IN THE COST OF THE PAVEMENT REMOVAL.**

- H. 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. THIS WORK WILL BE CONSIDERED INCLUDED IN THE COST OF INLET OUTLET PROTECTION.**
- I. THE EROSION CONTROL MEASURES INDICATED ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER OR GOVERNING AGENCY.**
- J. PERIMETER EROSION BARRIER SHALL BE INSTALLED AT LOCATIONS SPECIFIED IN THE PLANS AT 1 FOOT OR MORE 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, CULVERT, OR STORM SEWER CONSTRUCTION.**
- K. 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 THE AREAS DAMAGED BY THE FENCE INSTALLATION RESTORED. THE RESTORATION WORK SHALL BE INCLUDED IN THE COST OF THE PERIMETER EROSION CONTROL BARRIER.**
- L. THE REMOVAL AND THE RESTORATION OF THE AREA DISTURBED BY THE PERIMETER EROSION BARRIER INSTALLATION SHALL BE INCLUDED IN THE COST OF THE PERIMETER EROSION CONTROL BARRIER.**
- M. ANY SOIL, MUD OR DEBRIS WASHED TRACKED OR DEPOSITED ONTO THE STREET SHALL BE REMOVED PRIOR TO THE END OF THE WORK DAY. THE COST OF THIS WORK SHALL BE INCLUDED IN THE COST OF THE EARTH EXCAVATION.**

APPLICABLE IDOT STANDARDS FOR EROSION AND SEDIMENT CONTROL FOR EROSION AND SEDIMENT CONTROL; IDOT HIGHWAY STANDARD 280001-02

REVISIONS		
NO.	ITEM	DATE

SCALE:	NA
DRAWN BY:	NJB
CHECKED BY:	DBD
DATE:	3-3-06

**McCLURE ENGINEERING ASSOCIATES, INC.**

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**EROSION AND SEDIMENT CONTROL PLAN**  
**SHERIDAN ROAD IMPROVEMENTS**  
 CITY OF WAUKEGAN JOB NUMBER: 02-28-04-164 LAKE COUNTY, ILLINOIS

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