SEDIMENTATION AND EROSION CONTROL NOTES

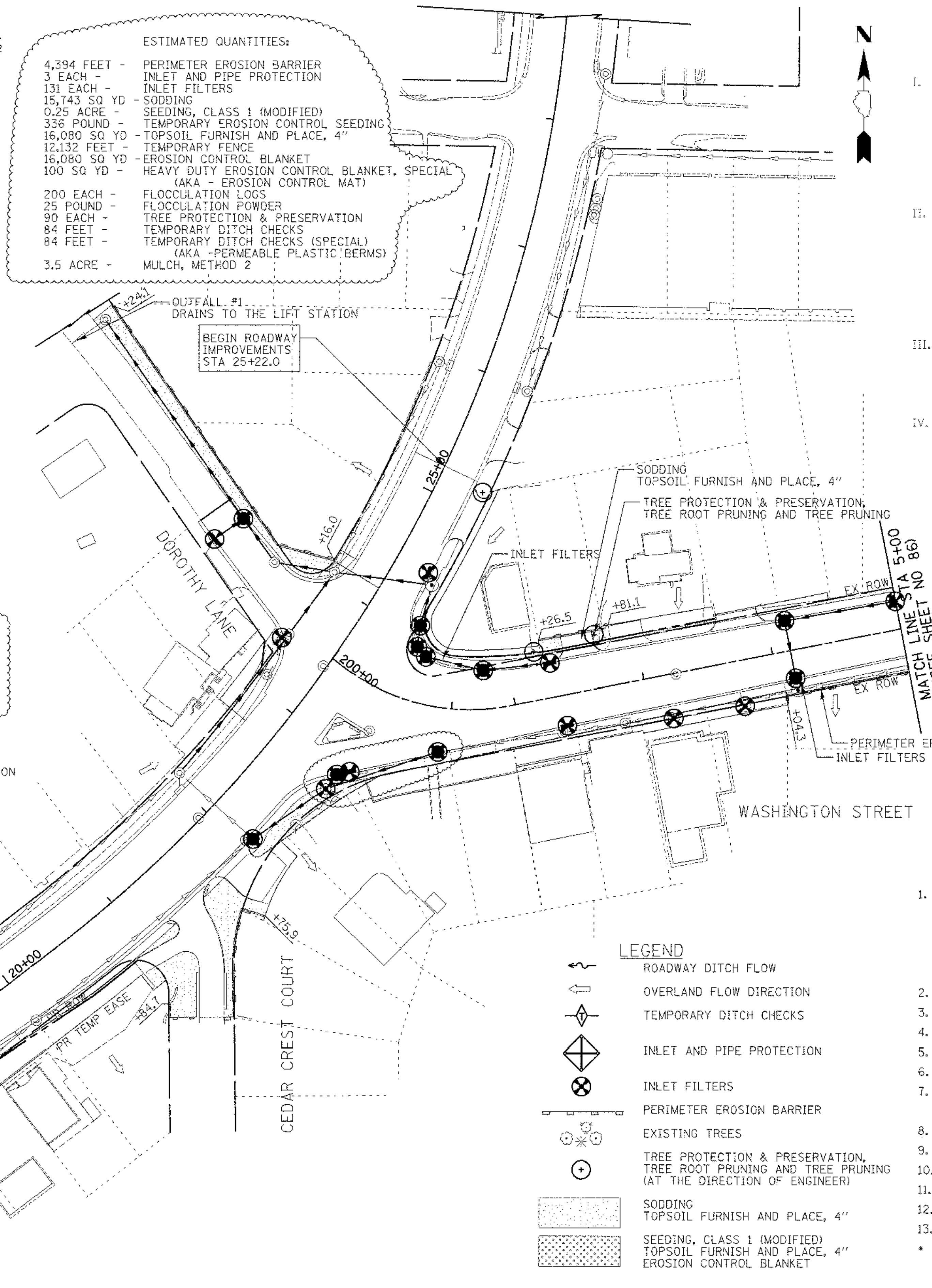
1. SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. SOIL STABILIZATION MEASURES SHALL CONSIDER THE TIME OF YEAR, SITE CONDITIONS AND THE USE OF TEMPORARY OR PERMANENT MEASURES.
2. SOIL EROSION AND SEDIMENT CONTROL FEATURES SHALL BE CONSTRUCTED PRIOR TO THE COMMENCEMENT OF HYDROLOGIC DISTURBANCE OF UPLAND AREAS.
3. DISTURBED AREAS SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT MEASURES WITHIN 14 CALENDAR DAYS OF THE END OF ACTIVE HYDROLOGIC DISTURBANCE, OR REDISTURBANCE.
4. AREAS OR EMBANKMENTS HAVING SLOPES GREATER THAN OR EQUAL TO 3H:1V, AND APPROVED BY THE ENFORCEMENT OFFICER, SHALL BE STABILIZED WITH SOD, MAT, OR BLANKET IN COMBINATION WITH SEEDING.
5. EROSION CONTROL BLANKET SHALL BE REQUIRED ON ALL INTERIOR DETENTION BASIN/CHANNEL SIDE SLOPES BETWEEN NORMAL WATER LEVELAND HIGH WATER LEVEL.
6. ALL STORM SEWERS THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED BY AN APPROPRIATE SEDIMENT CONTROL MEASURE.
7. 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.
8. ALL TEMPORARY AND PERMANAENT EROSION CONTROL MEASURES MUST BE MAINTAINED AND REPAIRED AS NEEDED. THE PROPERTY OWNER SHALL BE ULTIMATELY RESPONSIBLE FOR MAINTENANCE AND REPAIR.
9. IF DEWATERING SERVICES ARE USED, ADJOINING PROPERTIES AND DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION. DISCHARGES SHALL BE ROUTED THROUGH AN EFFECTIVE SEDIMENT CONTROL MEASURES (E.G. SEDIMENT TRAP, SEDIMENT BASIN, OR OTHER APPROPRIATE MEASURE.)
10. 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.
11. QUANTITIES HAVE BEEN PROVIDED FOR TEMPORARY FENCE, EROSION CONTROL BLANKET, MULCH METHOD 2, HEAVY DUTY EROSION CONTROL BLANKET, SPECIAL, FLOCCULATION LOGS, FLOCCULATION POWDER, TEMPORARY SEEDING, TEMPORARY DITCH CHECKS, PERMEABLE PLASTIC BERMS AND EARTH EXCAVATION FOR EROSION CONTROL TO BE USED AT THE DIRECTION OF THE RESIDENT ENGINEER.

NPDES STATEMENT:

THIS PROJECT DISTURBS 15.3 ACRES OF TOTAL LAND AREA. COMPLIANCE WITH THE NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES) STORMWATER PERMIT IS ONLY NECESSARY IF A PROJECT DISTURBS 1.0 OR MORE ACRES OF TOTAL LAND AREA; AN NPDES STORMWATER PERMIT IS REQUIRED FOR THIS PROJECT.

ESTIMATED QUANTITIES:

4,394 FEET -	PERIMETER EROSION BARRIER
3 EACH -	INLET AND PIPE PROTECTION
131 EACH -	INLET FILTERS
15,743 SQ YD -	SODDING
0.25 ACRE -	SEEDING, CLASS 1 (MODIFIED)
336 POUND -	TEMPORARY EROSION CONTROL SEEDING
16,080 SQ YD -	TOPSOIL FURNISH AND PLACE, 4"
12,132 FEET -	TEMPORARY FENCE
16,080 SQ YD -	EROSION CONTROL BLANKET
100 SQ YD -	HEAVY DUTY EROSION CONTROL BLANKET, SPECIAL (AKA - EROSION CONTROL MAT)
200 EACH -	FLOCCULATION LOGS
25 POUND -	FLOCCULATION POWDER
90 EACH -	TREE PROTECTION & PRESERVATION
84 FEET -	TEMPORARY DITCH CHECKS
84 FEET -	TEMPORARY DITCH CHECKS (SPECIAL) (AKA -PERMEABLE PLASTIC BERMS)
3.5 ACRE -	MULCH, METHOD 2



LEGEND

- ROADWAY DITCH FLOW
- OVERLAND FLOW DIRECTION
- TEMPORARY DITCH CHECKS
- INLET AND PIPE PROTECTION
- INLET FILTERS
- PERIMETER EROSION BARRIER
- EXISTING TREES
- TREE PROTECTION & PRESERVATION, TREE ROOT PRUNING AND TREE PRUNING (AT THE DIRECTION OF ENGINEER)
- SODDING TOPSOIL FURNISH AND PLACE, 4"
- SEEDING, CLASS 1 (MODIFIED) TOPSOIL FURNISH AND PLACE, 4" EROSION CONTROL BLANKET

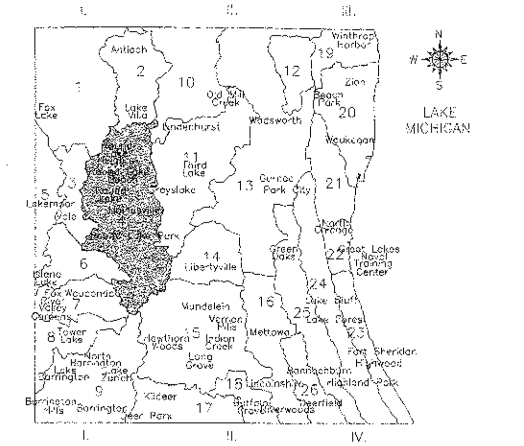
DRAINAGE BASINS OF LAKE COUNTY

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. Aptakisic 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



NOTE:

1. EROSION CONTROL SHEETS REFLECT FINAL LANDSCAPING.
2. PERIMETER EROSION BARRIER SHALL BE INSTALLED 1 FOOT FROM RIGHT-OF-WAY OR EASEMENT. REFERENCE THE PLAT OF HIGHWAY SHEETS FOR STATIONS AND OFFSETS.
3. QUANTITY OF DEWATERING PROVIDED TO COVER THE COST OF KEEPING THE CONSTRUCTION SITE DRY THROUGHOUT THE PROJECT. QUANTITY OF SEDIMENT COLLECTION CHAMBER SYSTEM, TEMPORARY PROVIDED AS MEANS OF CLEANING THE STORM RUNOFF OR WATER PRODUCED BY DEWATERING WHEN DOING CONSTRUCTION ON THE PROXIMITY OF ROUND LAKE, PARTICULARLY AT DAVE'S CHANNEL.
4. HALF TRAPS SHALL BE PROVIDED THROUGHOUT THE PROJECT WHERE INDICATED TO PROVIDE A MEANS OF KEEPING STORM SEWER OUTFALLS CLEAN. THE DROP PORTION OF INLET SHALL RETAIN ALL SOLID MATERIAL AND THE TRAP SHALL PREVENT ALL FLOATING DEBRIS FROM ENTERING OUTLET PIPE. THE COST OF CONSTRUCTING HALF TRAPS SHALL BE INCLUDED IN THE COST OF THE CATCH BASIN BEING CONSTRUCTED.

SMC TYPICAL CONSTRUCTION SEQUENCE

1. INSTALLATION OF SOIL EROSION AND SEDIMENT CONTROL SE/SC MEASURES
   - A. SELECTIVE VEGETATION REMOVAL FOR SILT FENCE INSTALLATION
   - B. SILT FENCE INSTALLATION
   - C. CONSTRUCTION FENCING AROUND AREAS NOT TO BE DISTURBED
2. TREE REMOVAL WHERE NECESSARY (CLEAR & GRUB)
3. CONSTRUCT SEDIMENT TRAPPING DEVICES (SEDIMENT TRAPS, BASINS, ETC.)
4. STRIP TOPSOIL, STOCKPILE TOPSOIL AND GRADE SITE
5. TEMPORARILY STABILIZE TOPSOIL STOCKPILES (SEED AND SILT FENCE AROUND TOE OF SLOPE)
6. INSTALL STORM SEWER, SANITARY SEWER, WATER AND ASSOCIATED INLET & OUTLET PROTECTION
7. PERMANENTLY STABILIZE DETENTION BASINS/CHANNELS/SENSITIVE WITH SEED AND EROSION CONTROL BLANKET
8. TEMPORARILY STABILIZE ALL AREAS LOTS THAT HAVE REACHED TEMPORARY GRADE
9. INSTALL ROADWAYS
10. PERMANENTLY STABILIZE ALL OUTLET AREAS
11. INSTALL STRUCTURES AND GRADE THE SITE
12. PERMANENTLY STABILIZE THE SITE
13. REMOVE ALL TEMPORARY SE/SC MEASURES AFTER THE SITE IS STABILIZED WITH VEGETATION

* SOIL EROSION AND SEDIMENT CONTROL MAINTENANCE MUST OCCUR EVERY TWO WEEKS AND AFTER EVERY 1/2" OR GREATER RAINFALL EVENT

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DESIGNED - PK	REVISED - 4/10/2013
DRAWN - JRR	REVISED -
CHECKED - RTM	REVISED -
DATE - 12/17/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE 0 50 100

EROSION CONTROL PLAN

SHEET NO. 1 OF 6 SHEETS | STA. 200+00 TO STA. 5+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0187	05-00121-07-WR	LAKE	223	85

CONTRACT NO. 63765

FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT

ORIGINAL SURVEY		
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
SPECS. CHECKED		
NOTE BOOK NO.	BY	DATE

FINAL SURVEY		
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
ARTHS CHECKED		
NOTE BOOK NO.	BY	DATE