

EROSION AND SEDIMENT CONTROL NOTES

1. SEDIMENTATION AND EROSION CONTROL STANDARDS

THE FOLLOWING STANDARDS MUST BE SATISFIED:

- A. TEMPORARY AND PERMANENT SOIL STABILIZATION MEASURES SHALL BE APPROPRIATE FOR THE SITE CONDITIONS, INCLUDING THE TIME OF YEAR, SLOPE AND SOIL TYPE.
- B. ALL AREAS LOCATED DOWNSTREAM FROM DISTURBED AREAS OF A DEVELOPMENT SITE SHALL BE PROTECTED FROM POTENTIAL INCREASE OF EROSION AND SEDIMENTATION RESULTING FROM UPSTREAM ACTIVITIES.
- C. TEMPORARY CROSSINGS OF WATERWAYS SHALL BE CONSTRUCTED OF NON-EROSIVE MATERIALS AND SHALL BE ABLE TO WITHSTAND THE FORCE FROM THE ONE-HUNDRED-YEAR FLOOD PRIOR TO THE COMMENCEMENT OF LAND DISTURBANCE.
- D. SOIL EROSION AND SEDIMENT CONTROL FEATURES SHALL BE CONSTRUCTED AND FUNCTIONAL PRIOR TO OR CONCURRENTLY WITH THE START OF DISTURBANCE.
- E. TEMPORARY AND PERMANENT STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED; BUT IN NO CASE SHALL THESE MEASURES BE INSTALLED MORE THAN 14 DAYS AFTER THE CONSTRUCTION IN THE AREA TEMPORARILY OR PERMANENTLY CEASES.

2. SEDIMENTATION AND EROSION CONTROL METHODS

THE FOLLOWING SEDIMENTATION AND EROSION CONTROL METHODS MUST BE INSTALLED AND MAINTAINED:

- A. DISTURBED AREAS SHALL BE PROTECTED BY A PERIMETER EROSION BARRIER TO CONTROL THE SEDIMENT LOAD FROM THE DISTURBED AREA.
- B. ALL STORM SEWER STRUCTURES THAT RECEIVE RUNOFF DURING CONSTRUCTION SHALL INCLUDE INLET PROTECTION TO PREVENT DEBRIS AND EXCESSIVE SEDIMENT FROM ENTERING THE STORM SEWER PIPING SYSTEM. THESE PROTECTIVE MEASURES SHALL BE PROPERLY INSTALLED, MAINTAINED, AND REMOVED IN THEIR ENTIRETY AFTER THE AREA TRIBUTARY TO THE STORM STRUCTURE IS STABILIZED.
- C. DISCHARGES FROM DEWATERING OPERATIONS SHALL ENTER OR BE ROUTED TO A SEDIMENT AND EROSION CONTROL SYSTEM OR DEVICE.
- D. 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. TRAPPED SEDIMENT SHALL BE PROPERLY STABILIZED OR DISPOSED.
- E. TEMPORARY ACCESS (COMMERCIAL ENTRANCE) SHALL BE LOCATED AT ANY POINT WHERE TRAFFIC WILL BE ENTERING OR LEAVING THE CONSTRUCTION SITE. THE STABILIZED CONSTRUCTION ENTRANCE SHALL BE PERIODICALLY MAINTAINED TO REMOVE MUD AND DEBRIS. THE STABILIZED CONSTRUCTION ENTRANCE SHALL CONSIST OF AN APPROPRIATE GEOTEXTILE FABRIC COVERED WITH AT LEAST SIX INCHES OF CLEAN STONE THAT IS AT LEAST TWO (2) INCHES IN DIAMETER.
- F. TEMPORARY EARTHEN EMBANKMENTS, GRADE TRANSITIONS AND BERMS SHALL BE CONSTRUCTED WITH SIDE SLOPES NO STEEPER THAN 3H:1V. SIDE SLOPES BELOW NORMAL WATER LEVEL SHALL BE NO STEEPER THAN 2H:1V. MORE GRADUAL SLOPES MAY BE REQUIRED FOR SOILS THAT EASILY ERODE.

STRAW BALES SHALL NOT BE USED AS TEMPORARY DITCH CHECKS.
THE USE OF OTHER CONTROL METHODS MUST FIRST BE APPROVED BY THE ENGINEER.

3. MAINTENANCE

ALL TEMPORARY MEASURES AND PERMANENT EROSION AND SEDIMENT CONTROL MUST BE MAINTAINED IN AN EFFECTIVE WORKING CONDITION AS IDENTIFIED BY REQUIRED INSPECTIONS. THIS INCLUDES, BUT IS NOT LIMITED TO, THE FOLLOWING:

- A. REPAIR, REPLACE OR MAINTAIN EROSION AND SEDIMENT CONTROL STRUCTURES AFTER A SINGULAR OR CUMULATIVE RAINFALL EVENT(S) OF 0.5 INCH OR MORE OVER A TWENTY-FOUR-HOUR PERIOD.
- B. MAKE ADJUSTMENTS TO THE SEDIMENTATION AND EROSION CONTROL PLAN AND METHODS, AS NEEDED, TO ACCOMPLISH THE INTENDED PURPOSE.
- C. ALL ADJACENT ROADWAYS MUST BE KEPT CLEAR OF DEBRIS, INSPECTED DAILY, AND CLEANED WHEN NECESSARY OR AS DETERMINED BY THE ENGINEER.

4. INSPECTIONS

- A. THESE PLANS FOR UPGRADING, STRIPPING, EXCAVATING, AND FILLING WORK, BEAR THE STAMP OF APPROVAL OF THE CITY OF CRYSTAL LAKE'S ENFORCEMENT OFFICER. THESE PLANS SHALL BE MAINTAINED AT THE SITE DURING THE PROGRESS OF THE WORK. THE ENGINEER SHALL MAKE INSPECTIONS AND MAINTAIN ON-SITE RECORDS OF SUCH INSPECTIONS AT THE INTERVALS SPECIFIED BELOW:
 - I. UPON COMPLETION OF INSTALLATION OF SEDIMENT AND RUNOFF CONTROL MEASURES (INCLUDING PERIMETER CONTROLS AND DIVERSIONS), PRIOR TO PROCEEDING WITH ANY OTHER EARTH DISTURBANCE OR GRADING;
 - II. AFTER ROUGH GRADING;
 - III. AFTER FINAL GRADING; AND
 - IV. WEEKLY AND AFTER EACH RAINFALL EVENT OF 0.5 INCH OR MORE OVER A TWENTY-FOUR-HOUR PERIOD.
- B. ANY NECESSARY REPAIRS TO SOIL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MADE AND REPORTED IN THE ON-SITE INSPECTION RECORDS. COPIES OF THE INSPECTION RECORDS SHALL BE SUBMITTED TO THE ENFORCEMENT OFFICER IN A MONTHLY INSPECTION REPORT.

5. NOTIFICATIONS

TO FACILITATE ENFORCEMENT OFFICER COMPLIANCE INSPECTIONS THE ENGINEER SHALL NOTIFY THE ENFORCEMENT OFFICER WITHIN TWO (2) WORKING DAYS OF THE COMPLETION OF THE CONSTRUCTION STAGES SPECIFIED BELOW:

- A. UPON COMPLETION OF INSTALLATION OF SEDIMENT AND RUNOFF CONTROL (CONTROLS AND DIVERSIONS), PRIOR TO PROCEEDING WITH ANY OTHER EARTH DISTURBANCE OR GRADING;
- B. AFTER ROUGH GRADING;
- C. AFTER FINAL STABILIZATION AND LANDSCAPING, PRIOR TO REMOVAL OF SEDIMENT CONTROLS.

IF STRIPPING, CLEARING, GRADING AND/OR LANDSCAPING ARE TO BE DONE IN PHASES OR AREAS, THE ENGINEER SHALL GIVE NOTICE AT THE COMPLETION OF EACH OF THE ABOVE WORK STAGES IN EACH PHASE OR AREA.

6. SPECIAL PRECAUTIONS

- A. IF AT ANY STAGE OF THE GRADING ON THE SITE, THE ENFORCEMENT OFFICER DETERMINES BY INSPECTION THAT THE NATURE OF THE SITE IS SUCH THAT FURTHER WORK AUTHORIZED BY AN EXISTING PERMIT IS LIKELY TO IMPERIL ANY PROPERTY, PUBLIC WAY, STREAM, LAKE, WETLAND, OR DRAINAGE STRUCTURE, THE ENFORCEMENT OFFICER MAY REQUIRE, AS A CONDITION OF ALLOWING THE WORK TO BE DONE, THAT SUCH REASONABLE SPECIAL PRECAUTIONS BE TAKEN AS ARE CONSIDERED ADVISABLE TO AVOID THE LIKELIHOOD OF SUCH PERIL. "SPECIAL PRECAUTIONS" MAY INCLUDE, BUT SHALL NOT BE LIMITED TO, A MORE LEVEL EXPOSED SLOPE, CONSTRUCTION OF ADDITIONAL DRAINAGE FACILITIES, BERMS, TERRACING, COMPACTION, OR CRIBBING, INSTALLATION OF PLANT MATERIALS FOR EROSION CONTROL, AND RECOMMENDATIONS OF A REGISTERED SOILS ENGINEER AND/OR ENGINEERING GEOLOGIST WHICH MAY OUTLINE REQUIREMENTS FOR FURTHER WORK.
- B. WHERE IT APPEARS THAT STORM DAMAGE MAY OCCUR DUE TO INCOMPLETE GRADING AT SITE, WORK MAY BE STOPPED AND THE CONTRACTOR REQUIRED TO INSTALL TEMPORARY STRUCTURES OR TAKE SUCH OTHER MEASURES AS MAY BE REQUIRED TO PROTECT ADJOINING PROPERTY OR THE PUBLIC SAFETY.

7. RESPONSIBLE PARTIES FOR MAINTAINING EROSION CONTROL

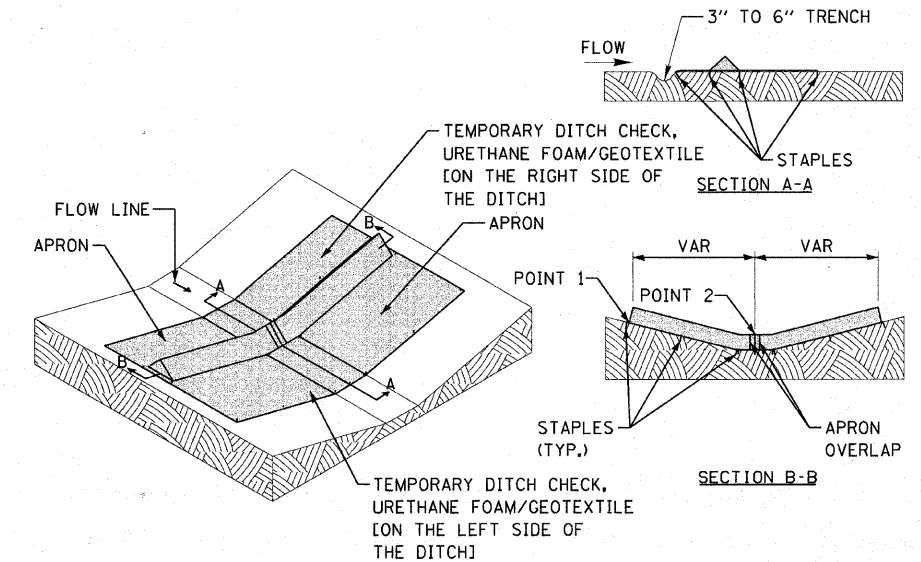
THE GENERAL CONTRACTOR IS ULTIMATELY RESPONSIBLE FOR THE MAINTENANCE OF EROSION AND SEDIMENT CONTROL PRACTICES.

THEIR NAME AND TELEPHONE NUMBERS SHALL BE ADDED TO THE PLANS IN THE SPACE PROVIDED AFTER THE CONTRACT IS AWARDED.

(NAME) _____

(PRIMARY CONTACT TELEPHONE NUMBER) _____

(SECONDARY CONTACT TELEPHONE NUMBER) _____



SILT DIKE UNIT
ISOMETRIC

- NOTES:
- 1. THE INSTALLATION SHOWN ABOVE WILL BE MEASURED FOR PAYMENT IN FEET PERPENDICULAR TO THE FLOW LINE.

STAPLES SHALL BE PLACED WHERE THE UNITS OVERLAP AND IN THE CENTER OF THE DITCH AS SHOWN ON THE DIAGRAM.

POINT 1 MUST BE HIGHER THAN POINT 2 TO INSURE THAT WATER FLOWS OVER THE DIKE AND NOT AROUND THE ENDS.

TEMPORARY DITCH CHECK

NO SCALE

WOODMAN CONSULTING ENGINEERS
104433 PW
3/21/2011



USER NAME = 418cjc	DESIGNED - AEB	REVISED - PER IDOT 3/25/11
FILE NAME = 090593.eros.notes.sht	DRAWN - RKM	REVISED -
PLLOT DATE = 3/31/2011	CHECKED - MDW	REVISED -
	DATE - 1/26/11	REVISED -

**McHENRY COUNTY CONSERVATION DISTRICT
RIDGEFIELD TRACE EXTENSION
BICYCLE PATH**

**EROSION AND SEDIMENT CONTROL NOTES AND
MISCELLANEOUS DETAILS**

SCALE: NONE

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	00-C2000-03-BT	McHENRY	25	17
JOB NO: C-91-711-10		CONTRACT NO. 63578		
FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT NO: CMM-9003 (680)		

McHENRY COUNTY CONSERVATION DISTRICT BID #0311.09.01