F.A.U. ROUTE	CONTRACT NO. 87930	COUNTY	TOTAL SHTS.	SHEET NO.
5348	STATE SECTION 05-00160-00-WR	DEKALB	140	25
EROSION CONTROL PLAN NOTES				
F.H.W.A. REG.5	ILLINOIS	PROJECT HPP-2295(001)		

EROSION CONTROL NOTES:

THE FOLLOWING PLAN WAS ESTABLISHED AND INCLUDED IN THESE PLANS TO DIRECT THE CONTRACTOR IN THE PLACEMENT OF TEMPORARY EROSION CONTROL SYSTEMS AND TO PROVIDE A STORM WATER POLLUTION PREVENTION PLAN FOR COMPLIANCE UNDER NPDES.

THE PURPOSE OF THIS PLAN IS TO MINIMIZE SILTATION WITHIN THE CONSTRUCTION ZONE AND TO ELIMINATE SEDIMENTS FROM ENTERING AND LEAVING THE CONSTRUCTION ZONE BY UTILIZING PROPER TEMPORARY EROSION CONTROL SYSTEMS AND PROVIDING GROUND COVER WITHIN A REASONABLE AMOUNT OF TIME.

CERTAIN ITEMS, AS SHOWN IN THIS PLAN AND REFERENCED BY THE LEGEND, SHALL BE PLACED BY THE CONTRACTOR AT THE BEGINNING OF CONSTRUCTION. OTHER ITEMS SHALL BE PLACED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER ON A CASE BY CASE SITUATION RESULTING FROM THE CONTRACTOR'S SEQUENCE OF ACTIVITIES, TIME OF YEAR, AND EXPECTED WEATHER CONDITIONS.

REFER TO BDE 2342 "STORM WATER POLLUTION PREVENTION PLAN" IN THE CONTRACT SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION REGARDING THE SITE DESCRIPTION AND MISCELLANEOUS PROCEDURES.

1. ALL WORK PROPOSED ON THE EROSION CONTROL PLAN SHALL BE DONE IN ACCORDANCE WITH THE "ILLINOIS URBAN MANUAL" (LATEST EDITION), THE STANDARD SPECIFICATIONS, SPECIAL PROVISIONS, AND DETAILS AS SHOWN IN THE PLANS. THE CONTRACTOR IS DIRECTED TO THE CONTRACT SPECIAL PROVISIONS FOR THE APPLICABLE CONSTRUCTION STANDARD AND SUPPLEMENTAL INFORMATION. MAINTENANCE, CLEANING, REPLACEMENT, AND FINAL REMOVAL OF THE EROSION CONTROL ITEMS SHALL BE INCLUDED IN THE COST OF THE ITEM. FAILURE TO MAINTAIN ANY EROSION CONTROL ITEM AS REQUIRED BY THE ENGINEER WILL REQUIRE THE ENGINEER TO FILE AN INCIDENCE OF NONCOMPLIANCE (ION) WITH THE ILLINOIS EPA.

2. THE CONSTRUCTION LIMITS WILL BE IDENTIFIED BY THE ENGINEER PRIOR TO COMMENCING CONSTRUCTION. THE CONSTRUCTION LIMITS MAY BE ADJUSTED BY THE ENGINEER TO PRESERVE TREES AND NO ADDITIONAL COMPENSATION WILL BE PAID TO THE CONTRACTOR FOR CHANGED CONSTRUCTION LIMITS.

3. 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. SOIL EROSION AND SEDIMENT CONTROL FEATURES SHALL BE CONSTRUCTED PRIOR TO THE COMMENCEMENT OF SOIL DISTURBANCE. WITHIN THE CONSTRUCTION LIMITS, AREAS WHICH MAY BE SUSCEPTIBLE TO EROSION AS DETERMINED BY THE ENGINEER SHALL REMAIN UNDISTURBED UNTIL FULL SCALE CONSTRUCTION IS UNDERWAY.

4. 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. ANY PROPOSED CHANGES BY THE CONTRACTOR TO THESE EROSION CONTROL PLANS SHALL BE APPROVED BY THE ENGINEER PRIOR TO BEING IMPLEMENTED. ANY MODIFICATIONS OR ADDITIONS REQUIRED BY THE ENGINEER SHALL BE INCLUDED IN THE COST OF THE EROSION CONTROL ITEM.

5. THE TEMPORARY EROSION CONTROL SYSTEMS MAY BE UTILIZED IN MULTIPLE CONSTRUCTION STAGES AS SHOWN IN THE PLANS. THESE SYSTEMS SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION OR AS DIRECTED BY THE ENGINEER.

6. ALL EROSION CONTROL PRODUCTS FURNISHED SHALL BE SPECIFICALLY RECOMMENDED BY THE MANUFACTURER FOR THE USE SPECIFIED IN THE EROSION CONTROL PLAN. PRIOR TO APPROVAL AND USE, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER CERTIFICATION BY THE PRODUCER STATING THE INTENDED USE OF THE PRODUCT AND THAT THE PHYSICAL PROPERTIES REQUIRED FOR THIS APPLICATION ARE MET OR EXCEEDED. THE CONTRACTOR SHALL PROVIDE MANUFACTURER INSTALLATION PROCEDURES TO THE ENGINEER UPON REQUEST.

7. 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 ON SITE. THIS COST SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF THE CONTRACT.

8. DISTURBED AREAS SHALL BE PERMANENTLY SEEDED OR SODDED IMMEDIATELY AFTER GRADING. IF NOT, THEY SHALL BE TEMPORARILY SEEDED WITHIN 14 CALENDAR DAYS FROM DISTURBANCE OR RE-DISTURBANCE.

9. ALL STOCKPILES, WHICH WILL BE IN PLACE FOR TWO WEEKS OR LONGER, SHALL BE HYDROSEEDED WITHIN 14 DAYS OF FINAL STOCKPILING. TOPSOIL STOCKPILES SHALL BE CONSTRUCTED SO AS TO FREELY DRAIN AND SHALL NOT IMPEDE NATURAL DRAINAGE. ALL STOCKPILES SHALL HAVE PERIMETER EROSION BARRIER INSTALLED AROUND THE BASE.

10. CONSTRUCTION EQUIPMENT SHALL BE STORED, FUELED AND WASHED ONLY AT DESIGNATED LOCATIONS. ALL NECESSARY MEASURES SHALL BE TAKEN TO CONTAIN ANY FUEL AND OTHER POLLUTANT IN ACCORDANCE WITH EPA WATER QUALITY REGULATIONS.

11. THE CONTRACTOR SHALL INSPECT ALL SOIL EROSION CONTROL MEASURES ON A WEEKLY BASIS OR AFTER A 1/2" RAINFALL AND REPLACE, REPAIR OR CLEAN THEM WITHIN 24 HOURS.

12. DURING DEWATERING OPERATIONS, WATER WILL BE PUMPED ONLY INTO SEDIMENT BASINS OR SILT TRAPS. DEWATERING DIRECTLY INTO NATURAL DRAINAGE WAYS, FIELD TILES OR STORM WATER STRUCTURES THAT DO NOT DRAIN INTO SEDIMENT BASINS OR SILT TRAPS IS PROHIBITED.

13. EROSION CONTROL MEASURES NEAR THE DELINEATED JURISDICTIONAL WATERS OF THE U.S. SHALL BE INSTALLED ACCORDING TO PLAN. VARIATIONS TO THE EROSION CONTROL PLANS MAY RESULT IN A PENALTY FROM THE UNITED STATES ARMY CORPS OF ENGINEERS (ACOE) AND THE NEED TO ACQUIRE AN ACOE PERMIT. THE CONTRACTOR MAY PLACE SUPPLEMENTAL EROSION CONTROL MEASURES WITH THE CONCURRENCE OF THE ENGINEER.

14. WORK WITHIN THE DELINEATED JURISDICTIONAL WATERS OF THE U.S. SHALL BE MINIMIZED. THIS WORK SHALL NOT BE CONSTRUCTED DURING PERIODS OF "HIGH WATER" OR EXPECTED RAINFALL EVENTS. ALL EFFORTS SHALL BE USED FOR WORK TO BE PERFORMED IN THE "DRY" (WITHOUT FLOWING WATER). TEMPORARY DAMMING AND BY-PASS PUMPING MAY BE REQUIRED TO MEET THIS OBJECTIVE. ONCE WORK IN THESE AREAS BEGINS PRIORITY SHALL BE GIVEN TO THE COMPLETION AND STABILIZATION OF THESE AREAS. THESE AREAS SHALL ALSO BE STABILIZED AND PROTECTED PRIOR TO ANY RAIN EVENT.

15. A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON THE SITE AT ALL TIMES.

16. WITHIN THE CONTRACT PLANS, REFER TO THE FOLLOWING: FOR FINAL GRADES, SEE CROSS SECTIONS; FOR STORM SEWER INFORMATION, SEE UTILITY PLAN; FOR FINAL STABILIZATION INCLUDING SEEDING AND SODDING, SEE LANDSCAPING PLAN.

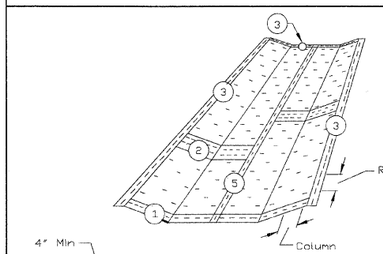
EROSION CONTROL LEGEND

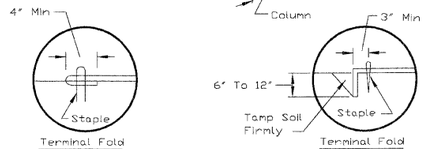
NOTE: ITEMS ON PLAN SHEETS SHADED LIGHTER THAN SHOWN BELOW REPRESENT ITEMS TO BE MAINTAINED FROM PREVIOUS CONSTRUCTION STAGE

- LIMITS OF STAGE CONSTRUCTION
- EROSION CONTROL SEEDING & MULCH (TEMPORARY)
- SODDING (PERMANENT)
- SEEDING (PERMANENT)
- NATIVE PLANTINGS (PERMANENT)
- RIPRAP (PERMANENT) (SEE UTILITY PLAN & PROFILE FOR DETAILS)
- PERIMETER EROSION BARRIER (TEMPORARY)
- PERIMETER EROSION BARRIER (SPECIAL)
- DITCH CHECK (TEMPORARY)
- INLET PROTECTION (TEMPORARY)
- FLOW DIRECTION (SEE CROSS SECTIONS FOR DETAILS)
- PROPOSED STORM SEWER (SEE UTILITY PLAN & PROFILE FOR DETAILS)

*NOTE:
ITEMS UNDERLINED OR STRUCK OUT ARE MODIFICATIONS TO THE ILLINOIS URBAN MANUAL STANDARDS FOR THIS PROJECT ONLY.

EROSION BLANKET PLAN



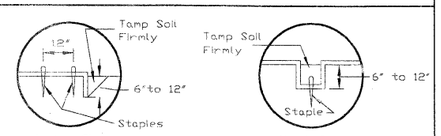


DETAIL 1

DETAIL 2

REFFERENCE			STANDARD DWG. NO.
Project		NRCS Natural Resources Conservation Service	IL-530
Designed ____ Date ____			SHEET 1 OF 2
Checked ____ Date ____			DATE 5-24-94
Approved ____ Date ____			

EROSION BLANKET PLAN



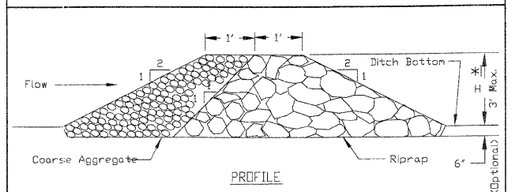
DETAIL 3 DETAIL 4

DETAIL 5

NOTES:
1. On erosion control paper, check slots, in ditch channel shall be spaced so that one occurs within each 50' on slopes of more than 4% and less than 6%. On slopes of 6% or more, they shall be spaced so that one occurs within each 25'.
2. Staples are to be placed alternately, in columns approximately 2' apart and in rows approximately 3' apart. Approximately 175 staples are required per 4'x 225' roll of material and 125 staples are required per 4'x 150' roll of material.
3. Erosion control material shall be placed loosely over ground surface. Do not stretch.
4. All terminal ends and transverse laps shall be stapled at approximately 12" intervals.
5. For use on compensatory basin side slopes, areas of seeding, class 4B, and in inverts of ditches (2' bottom +1.5' up each side).

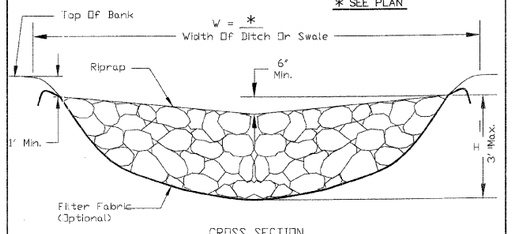
REFFERENCE			STANDARD DWG. NO.
Project		NRCS Natural Resources Conservation Service	IL-530
Designed ____ Date ____			SHEET 2 OF 2
Checked ____ Date ____			DATE 3-1-95
Approved ____ Date ____			

ROCK CHECK DAM - RIPRAP



PROFILE

* SEE PLAN

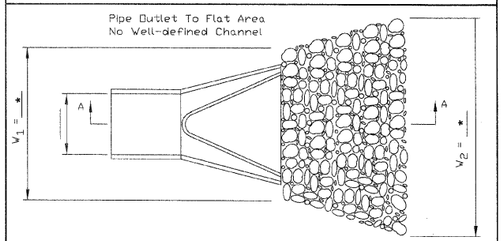


CROSS SECTION
CENTERLINE LOOKING DOWNSTREAM

NOTES:
1. ~~Filter fabric shall meet the requirements of material specification 592 GEOTEXTILE, Table 1 or 2, Class I, II, or IV and shall be placed over the cleared area prior to the placing of rock.~~
2. Coarse aggregate shall meet one of the following IDOT gradations, CA-1, CA-2, CA-3, or CA-4.
3. Riprap shall meet IDOT gradation RR-3 or RR-4 and meet Quality Designation A.
4. ~~Coarse aggregate and riprap shall be placed according to construction specification 25 ROCKFILL using placement Method 1 and Class III compaction.~~
5. For added stability, the base of the dam may be keyed 6 inches into the soil.
6. See plans for spacing of dams and H dimensions.
7. Maximum drainage area to each dam is 10 acres.
8. ~~ROCK CHECK DAM COARSE AGGREGATE IL 685CA may be used for drainage areas under 2 acres.~~

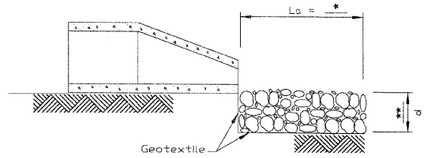
REFERENCE			STANDARD DWG. NO.
Project		NRCS Natural Resources Conservation Service	IL-605R
Designed ____ Date ____			SHEET 1 OF 1
Checked ____ Date ____			DATE 1-29-99
Approved ____ Date ____			

PIPE OUTLET TO FLAT AREA*



PLAN

* SEE PLAN
** SEE SPECIFICATIONS



SECTION A-A

NOTES:
1. ~~The filter fabric shall meet the requirements in material specifications 592 GEOTEXTILE Table 1 or 2, class I, II~~ or III.
2. The rock riprap shall meet the IDOT requirements for the following gradation: RR ____*____, Quality ____*____.
3. ~~The riprap shall be placed according to construction specification 61 LOOSE RIPRAP. The rock may be equipment placed.~~
4. Riprap shall be placed in accordance with the IDOT Standard Specification, Section 281 and the Special Provisions ~~if applicable.~~
5. The type, size, location and dimensions of the Riprap are shown on the plan and profile sheets.

REFERENCE			STANDARD DWG. NO.
Project		NRCS Natural Resources Conservation Service	IL-610
Designed ____ Date ____			SHEET 1 OF 1
Checked ____ Date ____			DATE 9-15-93
Approved ____ Date ____			