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January 17, 2005 8:26:29 a.m.

F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHTS.
336	99-00243-00-PV CONTRACT NO. 83782	KANE	268
EROSION CONTROL NOTES AND DETAILS			
F.H.W.A. REG.5	ILLINOIS	PROJECT F-0336(0	

EROSION CONTROL NOTES:

1. 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.

2. PERIMETER EROSION BARRIER SHALL BE ERECTED AT LOCATIONS SHOWN ON EROSION CONTROL PLAN. ANY RELOCATION OF THE PERIMETER EROSION BARRIER MUST BE APPROVED BY THE ENGINEER.

3. SEE CROSS SECTIONS FOR GRADING INFORMATION.

4. SEE PROPOSED PLAN AND PROFILE FOR STORM SEWER INFORMATION.

5. EROSION CONTROL ITEMS MAY BE UTILIZED IN MULTIPLE STAGES. REMOVAL OF EROSION CONTROL ITEMS SHALL BE APPROVED BY THE ENGINEER.

6. ALL EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE CONSTRUCTED AND MAINTAINED IN ACCORDANCE WITH "PROCEDURES AND STANDARDS FOR URBAN SOIL EROSION AND SEDIMENTATION CONTROL IN ILLINOIS" AND THE "ILLINOIS URBAN MANUAL".

7. THE CONTRACTOR SHALL KEEP ALL ADJACENT STREETS CLEAN AT ALL TIMES.

8. COORDINATE ALL EROSION CONTROL, SITE GRADING, AND SEEDING/SODDING MEASURES WITH THE LANDSCAPING AND PLANTING PLANS.

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. THE CONTRACTOR SHALL PREVENT SILT FROM ENTERING OFFSITE DOWNSTREAM STORMWATER CONVEYANCE SYSTEM BY INSTALLING FABRIC DROPS IN ALL STRUCTURES WITH OPEN GRATES, WHICH COLLECT TRIBUTARY WATER FROM DISTURBED AREAS AND DO NOT OUTLET INTO PROJECT SEDIMENT BASINS OR SILT TRAPS.

11. SEEDING AND MULCHING SHALL BE INITIATED WITHIN 7 DAYS AFTER THE FINAL GRADES HAVE BEEN ATTAINED. ALL UNSTABILIZED AREAS NOT DISTURBED FOR 7 DAYS SHALL BE SEEDED TEMPORARILY. THE TEMPORARY SEED MIXTURE SHALL BE AS DIRECTED BY THE "ILLINOIS URBAN MANUAL". SEE SOIL PROTECTION CHART FOR SEEDING RATES.

12. IF BLOWING DUST IS A PROBLEM, AS DETERMINED BY THE ENGINEER, THEN THE CONTRACTOR SHALL EMPLOY A WATER TRUCK AS OFTEN AS NECESSARY TO KEEP THE SOIL IN A DAMPENED CONDITION TO MINIMIZE AIRBORNE PARTICULATES. INSTRUCTIONS IN THE ILLINOIS URBAN MANUAL STANDARD #825 SHALL BE FOLLOWED.

13. THE CONTRACTOR SHALL INSPECT ALL SOIL EROSION CONTROL MEASURES ON A WEEKLY BASIS OR AFTER A ½" RAINFALL AND REPLACE, REPAIR OR CLEAN THEM WITHIN 24 HOURS.

14. ANY SOIL EROSION CONTROL MEASURES IN ADDITION TO THOSE OUTLINED IN THE PLANS, WHICH ARE DEEMED NECESSARY BY THE ENGINEER, SHALL BE IMPLEMENTED IMMEDIATELY BY THE CONTRACTOR.

15. PRIOR TO COMMENCING ANY SITE GRADING, SIGNOFFS MUST BE OBTAINED FROM THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY (NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM, NPDES), ILLINOIS DEPARTMENT OF NATURAL RESOURCES (ENDANGERED SPECIES) AND THE ILLINOIS HISTORICAL PRESERVATION.

16. 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.

17. WORK WITHIN THE DELINEATED JURISDICTIONAL WATER 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. PLEASE CONTACT THE KANE-DUPAGE SWCD AT 630-584-7961 PRIOR TO WORKING IN THE 'JURISDICTIONAL WATERS OF THE U.S.' 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.

KANE-DUPAGE SOIL AND WATER CONSERVATION DISTRICT GENERAL NOTES

1. UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CONSTRUCTED ACCORDING TO MINIMUM STANDARDS AND SPECIFICATIONS IN THE ILLINOIS URBAN MANUAL REVISED FEBRUARY 2002.

2. THE KANE-DUPAGE SOIL AND WATER CONSERVATION DISTRICT (KDSWCD) MUST BE NOTIFIED ONE WEEK PRIOR TO THE PRE-CONSTRUCTION CONFERENCE, ONE WEEK PRIOR TO THE COMMENCEMENT OF LAND DISTURBING ACTIVITIES, AND ONE WEEK PRIOR TO THE FINAL INSPECTION.

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

4. PRIOR TO COMMENCING LAND-DISTURBING ACTIVITIES IN AREAS OTHER THAN INDICATED ON THESE PLANS (INCLUDING BUT NOT LIMITED TO, ADDITIONAL PHASES OF DEVELOPMENT AND OFF-SITE BORROW OR WASTE AREAS) A SUPPLEMENTARY EROSION CONTROL PLAN SHALL BE SUBMITTED TO THE OWNER FOR REVIEW BY THE KDSWCD.

5. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE KDSWCD.

6. DURING DEWATERING OPERATIONS, WATER WILL BE PUMPED INTO SEDIMENT BASINS OR SILT TRAPS. DEWATERING DIRECTLY INTO FIELD TILES OR STORMWATER STRUCTURES THAT DO NOT DRAIN INTO SEDIMENT BASINS OR SILT TRAPS IS PROHIBITED.

PROJECT SPECIFIC EROSION CONTROL NOTES:

A STABILIZED CONSTRUCTION ENTRANCE SHALL BE PROVIDED AT THE PROPOSED STORMWATER DETENTION FACILITY AND BUILDING REMOVAL SITES PRIOR TO COMMENCING WORK. THESE ENTRANCES SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO THE PUBLIC RIGHT OF WAY. THE ROADWAY IS TO BE CLEANED OF DEBRIS DAILY.

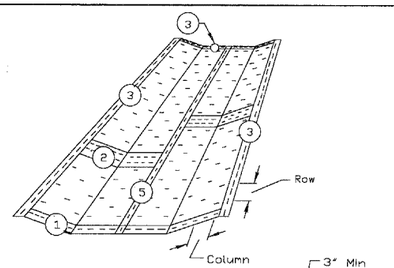
EROSION CONTROL ITEM	USE ILLINOIS URBAN MANUAL STANDARD	ILLINOIS URBAN MANUAL STANDARD DRAWING NUMBER	ILLINOIS URBAN MANUAL PRACTICE STANDARD NUMBER	USE IDOT STANDARDS	IDOT HIGHWAY STANDARD DETAIL	IDOT STANDARD SPECIFICATION SECTION	USE MISC. STANDARDS	MISCELLANEOUS STANDARDS OR COMMENTS	TEMPORARY EROSION CONTROL	PERMANENT EROSION CONTROL
TEMPORARY SEEDING	X	N/A	965		N/A	250, 251			X	–
PERMANENT SEEDING		N/A	880	X	N/A	250			–	X
SODDING		N/A	880, 925	X	N/A	252			–	X
NATIVE PLANTINGS		N/A	880	X	N/A	250, 254			–	X
TREE AND SHRUB PLANTING		685	985	X	N/A	253			–	X
TREE PROTECTION – FENCING	X	690	990		N/A	201			X	–
TREE PROTECTION – TRUNK		N/A	N/A		N/A	201	X	SEE SPECIAL DETAIL	X	–
PERIMETER EROSION BARRIER		620	920	X	280001-02	280			–	X
PERIMETER EROSION BARRIER WITH WIRE SUPPORT	X	620W	920		N/A	N/A			–	X
PERIMETER EROSION BARRIER (SPECIAL)		620	920	X	280001-02	280	X	SEE SPECIAL DETAIL	–	X
ROCK OUTLET PROTECTION	X	610, 611	910		N/A	281, 282			–	X
SEDIMENT TRAP		660	960	X	280001-02	280		15' x 25' (MIN.)	X	X
DUST CONTROL	X	N/A	825		N/A	N/A			X	–
EROSION BLANKET	X	530	830		N/A	251			–	X
INLET PROTECTION – SILT FILTER FENCE		N/A	N/A	X	280001-02	280			X	–
INLET PROTECTION – SILT FILTER		N/A	N/A	X	N/A	280 (08/03)	X	STATE SPECIFICATION, SECTION 280 (REVISED APRIL 18, 2003)	X	–
TEMPORARY DITCH CHECK		635	935	X	280001-02	280			X	–
STABILIZED CONSTRUCTION ENTRANCE	X	630	930		N/A	N/A			X	–

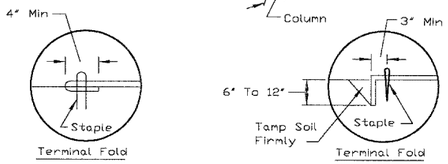
*NOTE:
ITEMS UNDERLINED OR STRUCK OUT ARE MODIFICATIONS TO THE ILLINOIS URBAN MANUAL STANDARDS BY HAMPTON LENZINI AND RENWICK I

EROSION CONTROL LEGEND

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

EROSION BLANKET PLAN



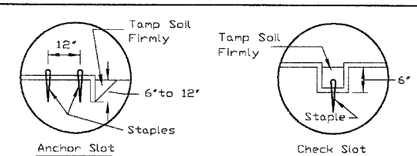


DETAIL 1

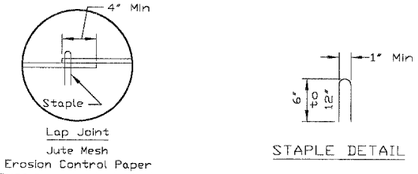
DETAIL 2

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

EROSION BLANKET PLAN



DETAIL 3 DETAIL 4

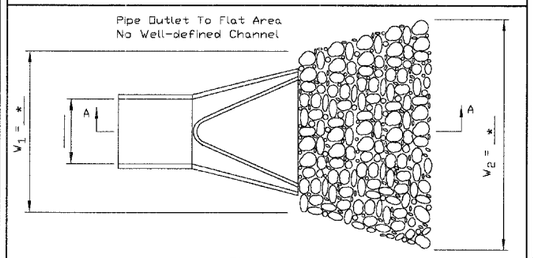


DETAIL 5

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.

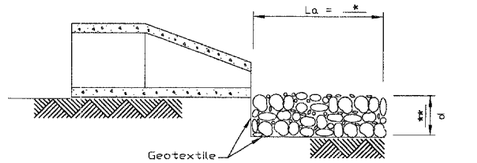
REFERENCE			STANDARD DWG. NO.
Project		NRCS	IL-530
Designed	Date	Natural Resources Conservation Service	SHEET 2 OF 2
Checked	Date		DATE 3-1-95
Approved	Date		

PIPE OUTLET TO FLAT AREA*



PLAN

* SEE PLAN
** SEE SPECIFICATIONS

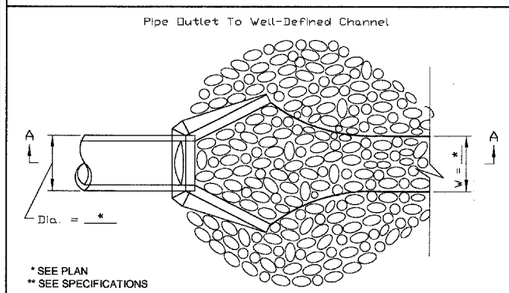


SECTION A-A

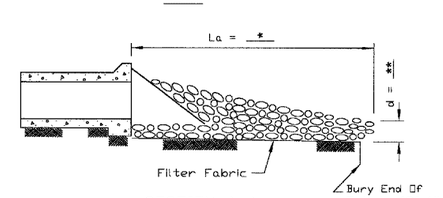
NOTES:
1. The filter fabric shall meet the requirements in material specifications 592 GEOTEXTILE Table 1 or 2, class I, II or III.
2. ~~The rock riprap shall meet the IDOT requirements for the following gradation: RR _____, Quality _____.~~
3. ~~The riprap shall be placed according to construction specification 61 LOOSE ROCK 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	IL-610
Designed	Date	Natural Resources Conservation Service	SHEET 1 OF 1
Checked	Date		DATE 9-15-93
Approved	Date		

PIPE OUTLET TO CHANNEL*



PLAN



SECTION A-A

NOTES:
1. The filter fabric shall meet the requirements in material specification 592 GEOTEXTILE Table 1 or 2, Class I, II or III.
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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	IL-611
Designed	Date	Natural Resources Conservation Service	SHEET 1 OF 1
Checked	Date		DATE 8-18-94
Approved	Date		