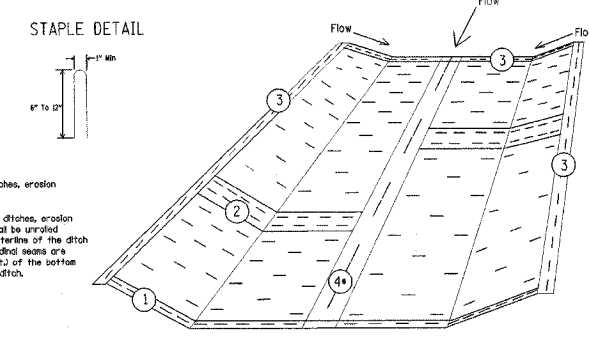
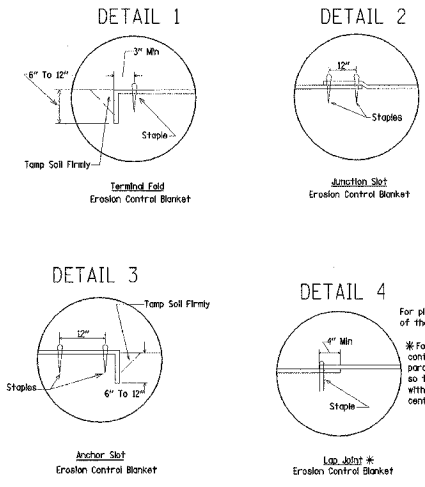
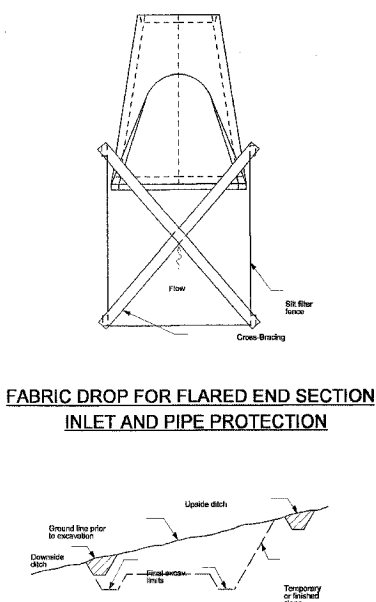
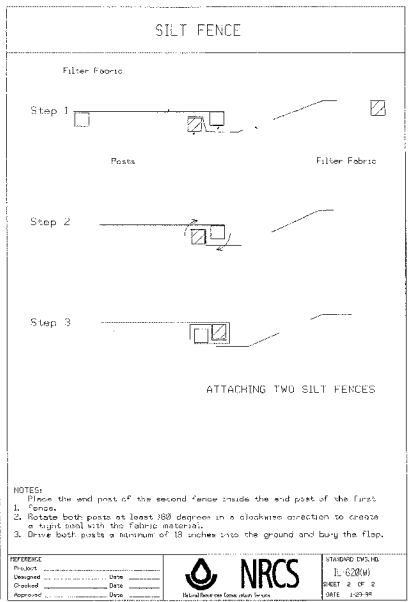
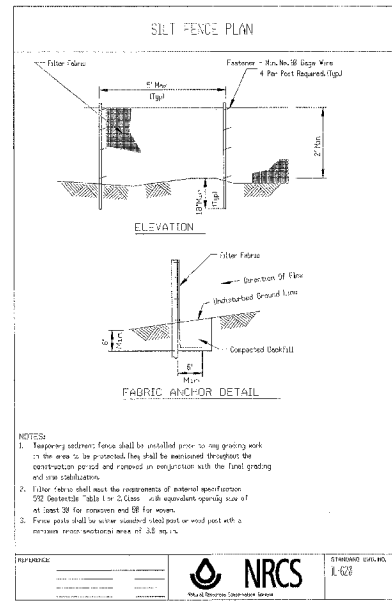


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	57B-31	COOK	62	21
STA. 20+23.42		TO STA. 28+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 60440



EROSION CONTROL BLANKET

1. A QUANTITY OF EROSION CONTROL BLANKET HAS BEEN PROVIDED AND SHALL BE USED TO PROTECT ALL AREAS GRADED PRIOR TO LANDSCAPING AS DIRECTED BY THE ENGINEER.

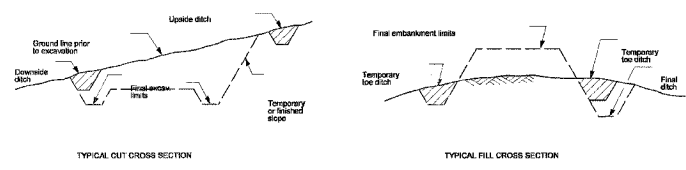
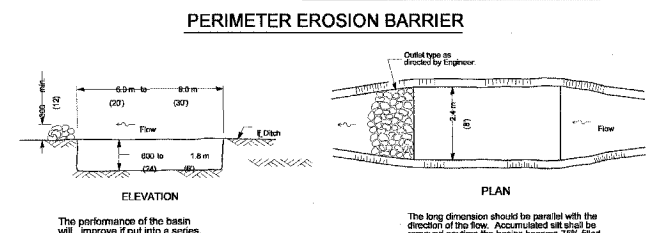
2. EROSION CONTROL BLANKET MUST BE USED TO PROTECT ALL EXPOSED SOILS IF LANDSCAPE SEEDING/SODDING IS NOT PLACED WITHIN 24 HOURS OF COMPLETING THE GRADING AND SHAPING OF DITCHES WHERE SPECIFIED ON THE PLANS.

3. THE BLANKET WILL BE IN FIRM CONTACT WITH THE SOIL. IT SHALL BE ANCHORED PER MANUFACTURER'S RECOMMENDATION WITH PROPER NUMBER AND SPACING OF WIRE STAPLES WHOSE LENGTH AND HEIGHT MEET MANUFACTURER'S RECOMMENDATION.

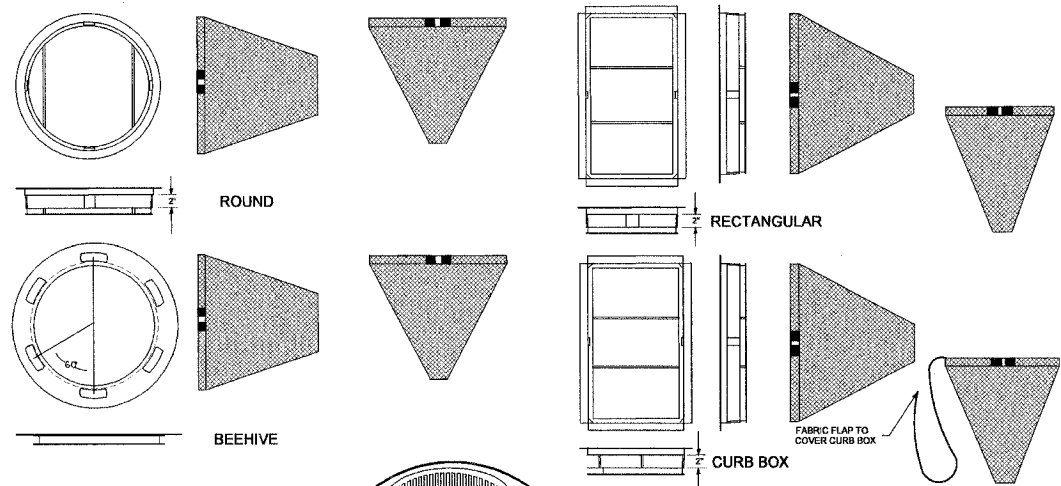
4. EROSION CONTROL BLANKET SHALL BE LOOSELY PLACED OVER GROUND SURFACE AND STAPLED, DO NOT STRETCH MATERIAL.

5. TYPE OF BLANKET SHALL BE DETERMINED BY THE ENGINEER AND INSTALLED AS DETAILED ABOVE.

6. THE BLANKET WILL BE UNROLLED UPSTREAM TO DOWNSTREAM PARALLEL TO THE DIRECTION OF FLOW IN THE CHANNEL AND PERPENDICULAR TO THE FLOW ON SLOPES. THE UPSTREAM END OF EACH BLANKET WILL BE ANCHORED IN A MINIMUM 150 mm (6 IN) ANCHOR TRENCH. THESE BLANKETS WHEN LAID SIDE BY SIDE SHALL OVERLAP A MIN. OF 4 INCHES. BLANKETS SHALL OVERLAP 300mm (12 IN) AT THE DOWNSTREAM ENDS.



TEMPORARY DITCHES FOR CUT & FILL SECTIONS



INLET AND PIPE PROTECTION

DESCRIPTION: This work shall consist of furnishing, installation, and removal of a drainage structure inlet filter assembly, consisting of a frame and filter bag, to collect sediment in surface storm water runoff at locations shown on the plans or as directed by the Engineer.

The Contractor shall inspect the worksite and review the plans to determine the number and dimensions of the various types of drainage structure frames (circular and rectangular) into which the inlet filters will be installed prior to ordering materials.

The drainage structure inlet filter assembly shall be installed under the grates on the lip of the drainage structure frame with the fabric bag hanging down into the drainage structure.

The drainage structure inlet filter assembly shall remain in place until final removal of the assembly is directed by the Engineer. The drainage structure inlet filter assembly shall remain the property of the Contractor.

Final removal of the assembly shall include the disposal of debris or silt that has accumulated in the filter bag at the time of final removal. Periodic cleaning of the filter is paid for separately.

MATERIALS: The drainage structure inlet shall be the (INLET AND PIPE PROTECTION), as furnished by Marathon Materials, Inc. 25523 W. Shultz St., Plainfield, IL 60544, (800) 983-9493, or approved equal. A detailed drawing in the plans depicts the drainage structure inlet filter assembly.

The drainage structure inlet filter assembly shall consist of a steel frame with a replaceable geotextile fabric bag attached with a steel band with locking cap that is suspended from the frame. A clean used bag and used steel frame in good condition, meeting the approval of the Engineer, may be substituted for new materials.

The drainage structure inlet filter assembly frame shall be rigid steel meeting the requirements of ASTM-A36. The frame shall include an overflow feature that is welded to the frame's ring. The overflow feature shall be designed to allow full flow of water into the structure if the filter bag is filled with sediment. The dimensions of the assembly frame shall allow the drainage structure grate to fit into the inlet filter assembly frame opening. The assembly frame shall rest on the inside lip of the drainage structure frame for the full variety of existing and proposed drainage structure frames that are present on this contract.

The drainage structure inlet filter assembly bag shall be constructed of polypropylene geotextile fabric with a minimum weight of 4 ounces per square yard, minimum flow rate of 145 gallons per minute per square foot, and designed for minimum silt and debris capacity of 2 cubic feet. The filter bag shall be reinforced with an outer layer of polyester mesh fabric with a minimum weight of 4 ounces per square yard. The filter bag shall be suspended from the steel frame with a stainless steel band and locking cap. The inlet filter assembly frame shall not cause the drainage structure grate to extend higher than 1/8-inch above the drainage structure frame.

BASIS OF PAYMENT: The work will be paid for at the contract unit price per EACH for INLET AND PIPE PROTECTION, which price shall include all cost of labor, materials, equipment, and incidental items necessary to perform the work.

DRAINAGE STRUCTURE INLET FILTER INLET AND PIPE PROTECTION

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION ILLINOIS ROUTE 50 (CICERO AVENUE) OVER NORTH BRANCH CHICAGO RIVER EROSION CONTROL DETAILS SHEET 2
NAME	DATE	
		SCALE: VERT. 1"=5' HORIZ. 1"=50' DATE: AUGUST 18, 2006
		DRAWN BY: RJW CHECKED BY: ADJ

PATRICK ENGINEERING INC.
LISLE, ILLINOIS