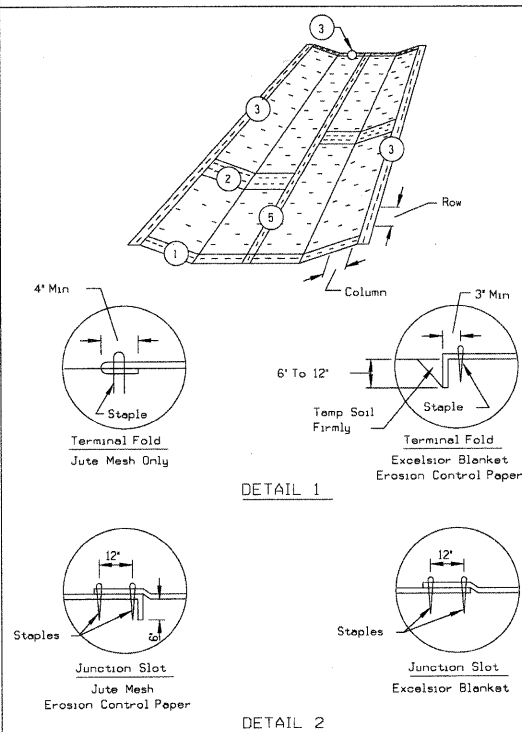
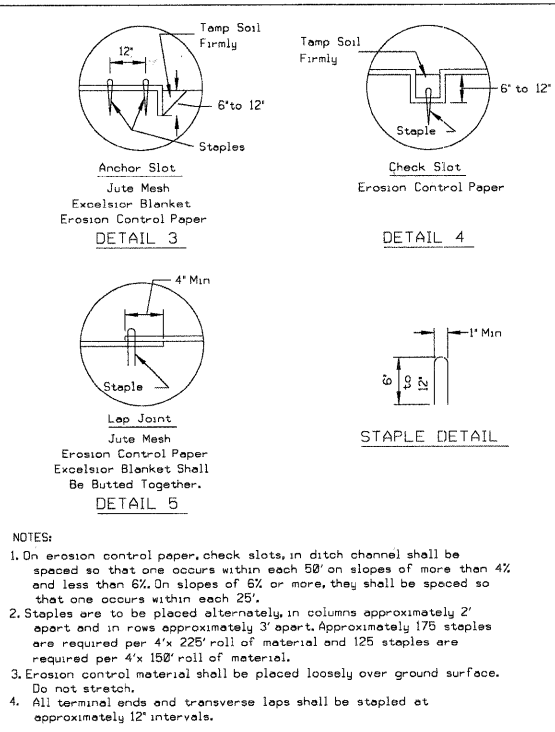


EROSION BLANKET PLAN

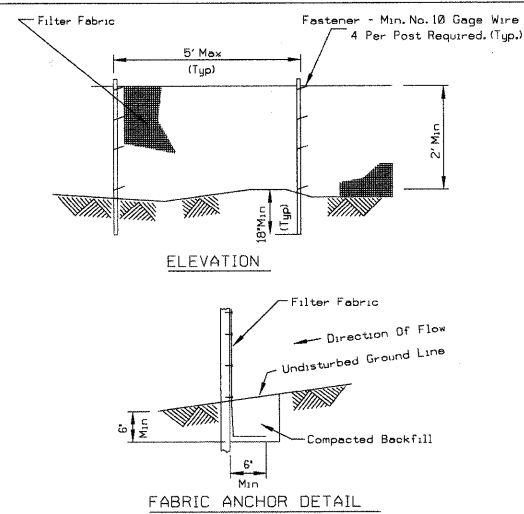


EROSION BLANKET PLAN



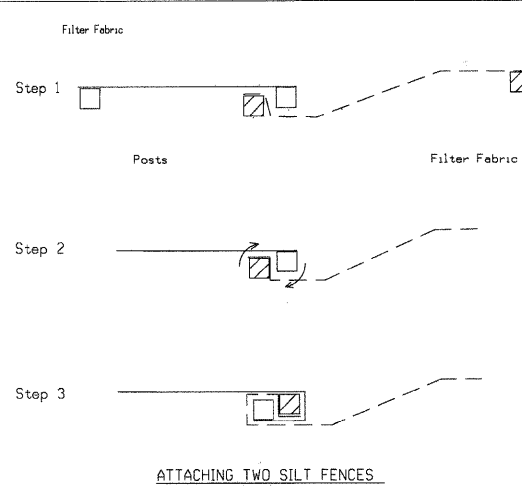
NOTES:
 1. On erosion control paper, check slots, in ditch channel shall be spaced so that one occurs within each 50' on slopes of more than 4% and less than 6%. On slopes of 6% or more, they shall be spaced so that one occurs within each 25'.
 2. Staples are to be placed alternately, in columns approximately 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.

SILT FENCE PLAN



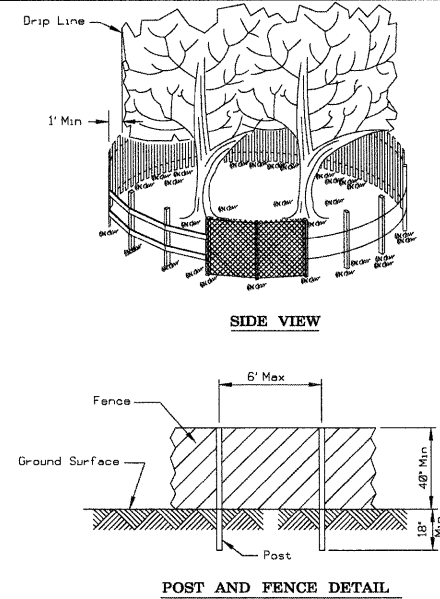
NOTES:
 1. Temporary sediment fence shall be installed prior to any grading work in the area to be protected. They shall be maintained throughout the construction period and removed in conjunction with the final grading and site stabilization.
 2. Filter fabric shall meet the requirements of material specification 592 Geotextile Table 1 or 2, Class with equivalent opening size of at least 30 for nonwoven and 50 for woven.
 3. Fence posts shall be either standard steel post or wood post with a minimum cross-sectional area of 3.0 sq. in.

SILT FENCE



NOTES:
 Place the end post of the second fence inside the end post of the first fence.
 Rotate both posts at least 180 degrees in a clockwise direction to create a tight seal with the fabric material.
 Drive both posts a minimum of 18 inches into the ground and bury the flap.

TREE PROTECTION - FENCING



NOTES:
 1. The fence shall be located a minimum of 1 foot outside the drip line of the tree to be saved and in no case closer than 5 feet to the trunk of any tree.
 2. Fence posts shall be either standard steel posts or wood posts with a minimum cross sectional area of 3.0 sq. in.
 3. The fence may be either 40" high snow fence, 40" plastic web fencing or any other material as approved by the engineer/inspector.

REFERENCE Project: _____ Date: _____
 Designed: _____ Date: _____
 Checked: _____ Date: _____
 Approved: _____ Date: _____

NRCS
 Natural Resource Conservation Service

STANDARD DWG. NO. IL-530
 SHEET 1 OF 2
 DATE 8-24-94

REFERENCE Project: _____ Date: _____
 Designed: _____ Date: _____
 Checked: _____ Date: _____
 Approved: _____ Date: _____

NRCS
 Natural Resource Conservation Service

STANDARD DWG. NO. IL-530
 SHEET 2 OF 2
 DATE 3-1-95

REFERENCE Project: _____ Date: _____
 Designed: _____ Date: _____
 Checked: _____ Date: _____
 Approved: _____ Date: _____

NRCS
 Natural Resource Conservation Service

STANDARD DWG. NO. IL-620
 SHEET 1 OF 2
 DATE 11-28-81

REFERENCE Project: _____ Date: _____
 Designed: _____ Date: _____
 Checked: _____ Date: _____
 Approved: _____ Date: _____

NRCS
 Natural Resource Conservation Service

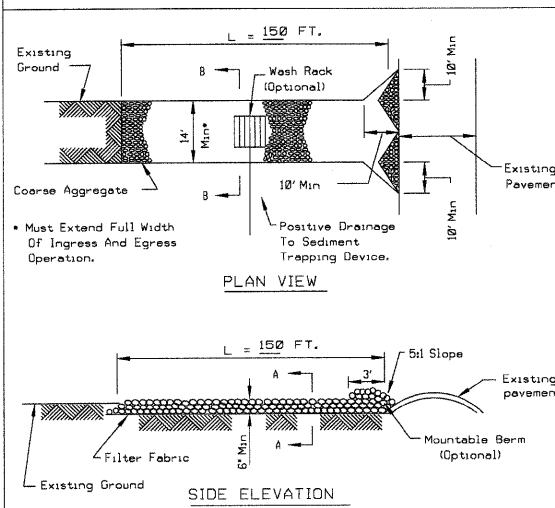
STANDARD DWG. NO. IL-620(W)
 SHEET 2 OF 2
 DATE 1-29-99

REFERENCE Project: _____ Date: _____
 Designed: _____ Date: _____
 Checked: _____ Date: _____
 Approved: _____ Date: _____

NRCS
 Natural Resource Conservation Service

STANDARD DWG. NO. IL-690
 SHEET 1 OF 1
 DATE 6-7-84

STABILIZED CONSTRUCTION ENTRANCE PLAN



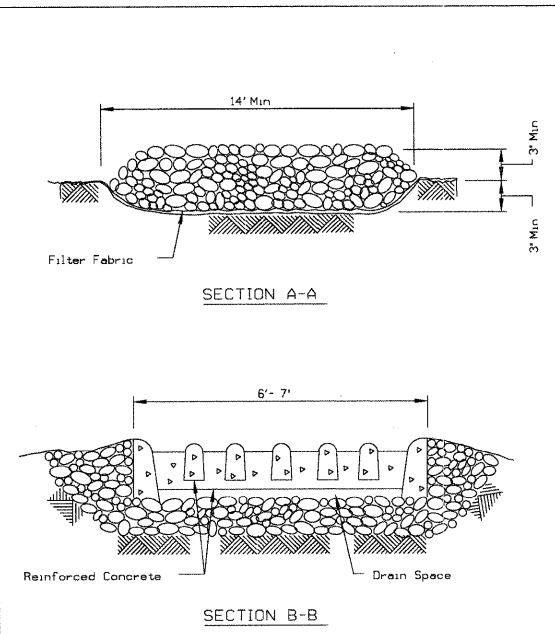
NOTES:
 1. Filter fabric shall meet the requirements of material specification 592 GEOTEXTILE, Table 1 or 2, Class I, II or IV and shall be placed over the cleared area prior to the placing of rock.
 2. Rock or reclaimed concrete shall meet one of the following IDOT coarse aggregate gradation, CA-1, CA-2, CA-3 or CA-4 and be placed according to construction specification 25 ROCKFILL using placement Method 1 and Class III compaction.
 3. Any drainage facilities required because of washing shall be constructed according to manufacturer's specifications.
 4. If wash racks are used they shall be installed according to the manufacturer's specifications.

REFERENCE Project: _____ Date: _____
 Designed: _____ Date: _____
 Checked: _____ Date: _____
 Approved: _____ Date: _____

NRCS
 Natural Resource Conservation Service

STANDARD DWG. NO. IL-630
 SHEET 1 OF 2
 DATE 8-18-94

STABILIZED CONSTRUCTION ENTRANCE PLAN



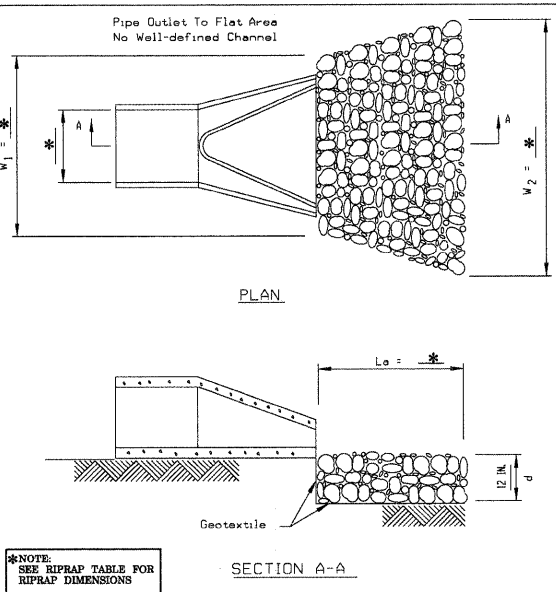
NOTES:
 1. Filter fabric shall meet the requirements in material specifications 592 GEOTEXTILE Table 1 or 2, class I, II or III.
 2. The rock riprap shall meet the IDOT requirements for the following gradation: RR-#3, Quality _____.
 3. The riprap shall be placed according to construction specification 61 LOOSE ROCK RIPRAP. The rock may be equipment placed.

REFERENCE Project: _____ Date: _____
 Designed: _____ Date: _____
 Checked: _____ Date: _____
 Approved: _____ Date: _____

NRCS
 Natural Resource Conservation Service

STANDARD DWG. NO. IL-630
 SHEET 2 OF 2
 DATE 8-18-94

PIPE OUTLET TO FLAT AREA



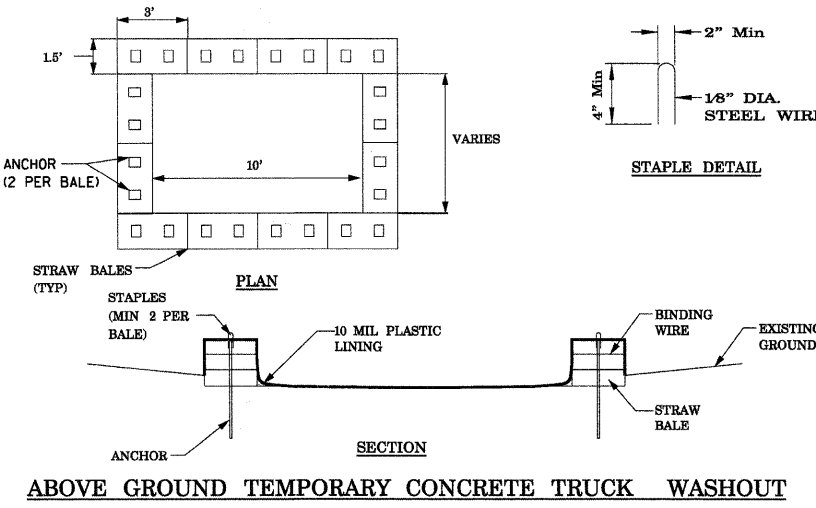
NOTE: SEE RIPRAP TABLE FOR RIPRAP DIMENSIONS

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-#3, Quality _____.
 3. The riprap shall be placed according to construction specification 61 LOOSE ROCK RIPRAP. The rock may be equipment placed.

REFERENCE Project: _____ Date: _____
 Designed: _____ Date: _____
 Checked: _____ Date: _____
 Approved: _____ Date: _____

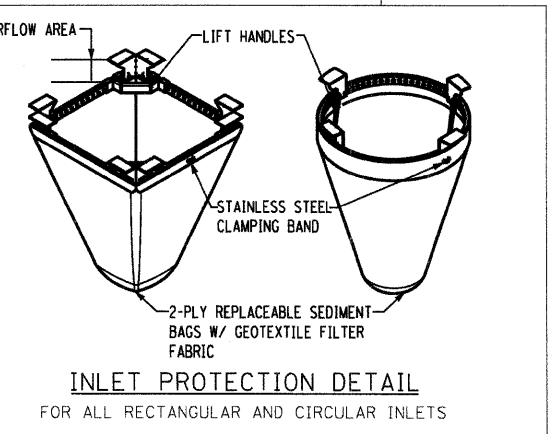
NRCS
 Natural Resource Conservation Service

STANDARD DWG. NO. IL-610
 SHEET 1 OF 1
 DATE 9-15-93



RIPRAP LAYOUT TABLE

STRUCTURE LOC.	W1 (FT)	W2 (FT)	LA (FT)
STA. 135+28, LT	3	11	10
STA. 137+20, LT	12	13.6	16
STA. 137+18, RT	12	13.6	16
STA. 147+77, RT	56.4 SQ YD AREA		
STA. 156+00, LT	3	11	10
STA. 156+46, LT	30	42.8	32
STA. 157+04, RT	44.8 SQ YD AREA		
STA. 159+85, LT	15.2 SQ YD AREA		
STA. 160+22, RT	7.5	9.7	18
STA. 162+54, LT	15	2.7	22
STA. 174+40, LT	3	11	10
STA. 176+94, RT	3	11	10
STA. 177+47, RT	3	11	10



NOTE: SEE LAKE COUNTY STD. DETAIL NO. LC2050 FOR URETHANE FOAM/GEOTEXTILE INSTALLATION

FILE NAME: I:\Lakeco\8822481\Draw\Notes\ERC_05_DETAILS.dgn

CMT
 CRAWFORD, MURPHY & TILLY, INC.
 CONSULTING ENGINEERS
 License No. 04-00063

USER NAME = Steve Prange

DESIGNED - SJP
 DRAWN - SJP
 CHECKED - KDN
 DATE - 05/29/09

REVISED -
 REVISED -
 REVISED -
 REVISED -

Lake County
 Division of Transportation

EROSION CONTROL DETAILS

SCALE: N.T.S. SHEET NO. 1 OF 1 SHEETS STA. N/A TO STA. N/A

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1016	02-00110-12-WR	LAKE	206	92

CONTRACT NO. 63209

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