

EROSION BLANKET PLAN

DETAIL 1

DETAIL 2

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

NRCS
NATIONAL RESOURCE CONSERVATION SERVICE

STANDARD SPEC. NO. IL-530
SHEET 1 OF 2
DATE 3-1-99

EROSION BLANKET PLAN

DETAIL 1

DETAIL 2

DETAIL 3

DETAIL 4

DETAIL 5

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.

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NRCS
NATIONAL RESOURCE CONSERVATION SERVICE

STANDARD SPEC. NO. IL-530
SHEET 2 OF 2
DATE 3-1-99

TREE PROTECTION - FENCING

SIDE VIEW

POST AND FENCE DETAIL

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.

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SHEET 2 OF 2
DATE 3-1-99

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMITS FOR CONSTRUCTION SITE STORM WATER DISCHARGES

- ILLINOIS ENVIRONMENTAL PROTECTION AGENCY HAS ISSUED AN NPDES GENERAL PERMIT (NO. ILR10) FOR DISCHARGES FROM CONSTRUCTION SITE ACTIVITIES. MAJOR FEATURES OF THE ILLINOIS PERMIT ARE:
- THE PERMIT CAN AUTHORIZE ALL DISCHARGES OF STORM WATER FROM CONSTRUCTION SITES ANYWHERE IN ILLINOIS REGARDLESS OF SIZE.
- THE PERMIT REQUIRES EACH CONSTRUCTION SITE TO HAVE A STORM WATER POLLUTION PREVENTION PLAN (EROSION AND SEDIMENTATION CONTROL PLAN) PRIOR TO THE START OF CONSTRUCTION.
- A COPY OF THE PLAN MUST BE MAINTAINED AT THE CONSTRUCTION SITE FROM THE DATE OF BEGINNING TO THE DATE OF FINAL STABILIZATION.
- PERMITTEE IS REQUIRED TO HAVE QUALIFIED PERSONNEL INSPECT DISTURBED AREAS OF THE SITE THAT HAVE NOT BEEN FINALLY STABILIZED, HAVE STRUCTURAL CONTROL MEASURES, AND LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM THAT IS 0.5 INCHES OF RAIN OR GREATER OR AN EQUIVALENT SNOWFALL.
- PERMITTEE SHALL NOTIFY THE APPROPRIATE AGENCY FIELD OPERATIONS SECTION OFFICE BY EMAIL AT EPA.SWNONCOMP@ILLINOIS.GOV, TELEPHONE, OR FAX WITHIN 24 HOURS OF ANY INCIDENT OF NONCOMPLIANCE FOR ANY VIOLATION OF THE STORM WATER POLLUTION PREVENTION PLAN OBSERVED DURING ANY INSPECTION CONDUCTED, OR FOR VIOLATIONS OF ANY CONDITION OF THIS PERMIT. THE PERMITTEE SHALL COMPLETE AND SUBMIT WITHIN 5 DAYS AN "INCIDENT OF NONCOMPLIANCE" ("ION") REPORT FOR ANY OBSERVED VIOLATION OF THE PLAN. SUBMISSION SHALL BE ON "ION" FORM AND SHALL INCLUDE CAUSE OF NONCOMPLIANCE, ACTIONS TAKEN TO PREVENT FURTHER INCIDENTS OF NONCOMPLIANCE, AND A STATEMENT DETAILING ENVIRONMENTAL IMPACTS THAT MAY HAVE RESULTED FROM NONCOMPLIANCE. ALL REPORTS OF NONCOMPLIANCE SHALL BE SIGNED BY A RESPONSIBLE AUTHORITY AS DEFINED IN THE NPDES PERMIT NO. ILR10.
- THE STORM WATER POLLUTION PREVENTION PLAN, INSPECTION RECORDS AND RELATED INFORMATION SHALL BE RETAINED FOR AT LEAST THREE YEARS FROM THE DATE OF FINAL STABILIZATION.
- TO OBTAIN PERMIT COVERAGE, THE OPERATOR SHALL COMPLETE THE NOTICE OF INTENT ("NOI") FORM, SIGN IT, AND SEND THE ORIGINAL SIGNED COPY TO ILLINOIS EPA, UNLESS NOTIFIED BY THE AGENCY, PERMIT COVERAGE IS AUTOMATIC AND OPERATORS ARE AUTHORIZED TO DISCHARGE STORM WATER FROM THE SITE UNDER TERMS AND CONDITIONS OF THE PERMIT EITHER:

48 HOURS AFTER DATE "NOI" IS POSTMARKED, IF HISTORIC PRESERVATION AND ENDANGERED SPECIES COMPLIANCE WAS ESTABLISHED PRIOR TO SUBMITTAL OF THE "NOI"

OR

30 DAYS AFTER DATE "NOI" IS POSTMARKED, IF HISTORIC PRESERVATION AND ENDANGERED SPECIES COMPLIANCE WAS NOT ESTABLISHED PRIOR TO "NOI" SUBMITTAL.
- AFTER THE INITIAL CONTACT HAS BEEN MADE WITH THE APPROPRIATE FIELD OPERATIONS SECTION OFFICE, ALL REPORTS OF NONCOMPLIANCE SHALL BE MAILED TO THE AGENCY AT THE FOLLOWING ADDRESS:

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF WATER POLLUTION CONTROL
COMPLIANCE ASSURANCE SECTION
1021 NORTH GRAND AVENUE EAST
POST OFFICE BOX 19276
SPRINGFIELD, ILLINOIS 62794-9276
- AFTER AUTOMATIC COVERAGE TAKES EFFECT, A COPY OF THE LETTER SHALL BE POSTED AT THE SITE IN A PROMINENT PLACE FOR PUBLIC VIEWING.
- AFTER LAND DISTURBING ACTIVITIES ARE COMPLETE AND SITE HAS BEEN FINALLY STABILIZED, OPERATOR SHALL TERMINATE PERMIT COVERAGE BY COMPLETING A NOTICE OF TERMINATION ("NOT") FORM AND SUBMITTING IT TO THE AGENCY. USEPA CONSIDERS A SITE FINALLY STABILIZED WHEN ALL LAND DISTURBING ACTIVITIES ARE COMPLETE AND A UNIFORM PERENNIAL VEGETATION COVER 70% STABILIZATION HAS BEEN ESTABLISHED OR EQUIVALENT PERMANENT STABILIZATION MEASURES HAVE BEEN USED.

STORMWATER POLLUTION PREVENTION

- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS, THE APPROVED STORMWATER POLLUTION PREVENTION PLAN AND THE FOLLOWING STANDARD SPECIFICATIONS:
 - THE ILLINOIS URBAN MANUAL, USDA NATURAL RESOURCES CONSERVATION SERVICE (LATEST EDITION)
 - THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, ILLINOIS DEPARTMENT OF TRANSPORTATION (LATEST EDITION)
- A COPY OF THE UP TO DATE STORMWATER POLLUTION PREVENTION PLAN AND SWPPP LOG BOOK SHALL BE MAINTAINED ON SITE AT ALL TIMES.
- 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 STORMWATER POLLUTION PREVENTION PLAN SHALL BE SUBMITTED BY THE CONTRACTOR TO THE OWNER FOR REVIEW BY THE VILLAGE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL STORMWATER POLLUTION CONTROL MEASURES NECESSARY TO PREVENT STORMWATER POLLUTION AS DETERMINED BY THE VILLAGE.
- ADDITIONAL PERIMETER SILT FENCE MAY BE NEEDED IN AREAS NOT SHOWN ON PLANS. CONTRACTOR SHALL MONITOR LIMITS OF PROJECT ON A REGULAR BASIS TO DETERMINE IF SUCH AREAS EXIST AND INSTALL ADDITIONAL SILT FENCE AS NEEDED.
- RUNOFF FROM DISTURBED AREAS SHALL NOT LEAVE THE SITE WITHOUT FIRST PASSING THROUGH STORMWATER POLLUTION PREVENTION MEASURES OR DEVICES.
- ALL APPROPRIATE STORMWATER POLLUTION PREVENTION MEASURES ARE TO BE IN PLACE BEFORE ANY EARTH DISTURBANCE BEGINS ON THE SITE.
- ALL STORMWATER POLLUTION PREVENTION MEASURES AND DEVICES SHALL BE INSPECTED OR AFTER ONE-HALF INCH OR MORE OF RAINFALL AND EVERY 7 DAYS AND REPAIRED OR REPLACED TO KEEP THE MEASURES AND DEVICES FUNCTIONING PROPERLY.
- EXCEPT AS PROVIDED IN PARAGRAPHS (A) AND (B) BELOW, THE SURFACE OF STIPPLED AREAS SHOULD BE PERMANENTLY OR TEMPORARILY PROTECTED FROM SOIL EROSION AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN 7 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED AS FOLLOWS:
 - WHERE THE INITIATION OF STABILIZATION MEASURES BY THE 7TH DAY AFTER CONSTRUCTION ACTIVITY TEMPORARILY OR PERMANENTLY CEASES ON A PORTION OF THE SITE IS PRECLUDED BY SNOW COVER, STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE.
 - WHERE CONSTRUCTION ACTIVITY WILL RESUME ON A PORTION OF THE SITE WITHIN 14 DAYS FROM WHEN ACTIVITIES CEASED, (E.G. THE TOTAL TIME PERIOD THAT CONSTRUCTION ACTIVITY IS TEMPORARILY CEASED IS LESS THAN 14 DAYS) THEN STABILIZATION MEASURES DO NOT HAVE TO BE INITIATED ON THAT PORTION OF THE SITE BY THE 7TH DAY AFTER CONSTRUCTION ACTIVITY TEMPORARILY CEASED.
- STOCKPILES OF SOIL AND OTHER BUILDING MATERIALS (AGGREGATE, LIMESTONE, ETC.) TO REMAIN IN PLACE FOR MORE THAN THREE DAYS SHALL BE FURNISHED WITH STORMWATER POLLUTION PREVENTION MEASURES. STOCKPILES OF SOIL TO REMAIN IN PLACE FOR MORE THAN 60 DAYS SHALL BE STABILIZED WITH TEMPORARY SEEDING.
- ALL STORM SEWER INLETS SHALL BE PROTECTED WITH SEDIMENT TRAPPING OR FILTERING DEVICES DURING CONSTRUCTION.
- WATER DISCHARGED DURING CONSTRUCTION DEWATERING SHALL BE FILTERED AND DISCHARGED USING MEASURES OR DEVICES TO DISSIPATE ENERGY AND REDUCE THE EROSION POTENTIAL OF THE DISCHARGE.
- STABILIZED CONSTRUCTION ENTRANCES SHALL BE PROVIDED TO PREVENT SOIL FROM BEING TRACKED ONTO PUBLIC OR PRIVATE ROADWAYS. ANY SOIL TRACKED ONTO PUBLIC OR PRIVATE ROADWAYS SHALL BE REMOVED BEFORE THE END OF EACH WORKDAY. IF CONDITIONS ARE SUCH THAT THE MAJORITY OF SOIL IS NOT REMOVED WHEN VEHICLES TRAVEL OVER THE COARSE AGGREGATE, VEHICLE WASH DOWN FACILITIES SHALL BE PROVIDED.

STABILIZATION TYPE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
PERMANENT SEEDING												
BIO-SWALE SEEDING												
MULCHING												

NPDES PERMIT #	DATE SUBMITTED	DATE ISSUED

SILT FENCE PLAN

ELEVATION

FABRIC ANCHOR DETAIL

NOTES:
1. Top and bottom wires of mesh support shall be min. gage no. 11.
2. Intersecting wires of mesh support shall be min. gage no. 11.
3. 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.
4. Filter fabric shall meet the requirements of material specification S92 (see table Table 1 or 2, Class 1 with equivalent opening size of at least 30 for nonwoven and 50 for woven).
5. Fence post shall be either standard steel post or wood post with a minimum cross sectional area 3.0 sq. in.
6. The mesh support may be omitted if a maximum of 3' is used for post post spacing.

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U.S. DEPARTMENT OF AGRICULTURE
NATIONAL RESOURCE CONSERVATION SERVICE

STANDARD SPEC. NO. IL-620
SHEET 1 OF 2
DATE 3-1-99

ATTACHING TWO SILT FENCES

ATTACHING TWO SILT FENCES

NOTES:
1. Place the end post of the second fence inside the end post of the first fence.
2. Rotate both posts at least 180 degrees in a clockwise direction to create a tight seal with the fabric material.
3. Drive both posts a minimum of 2 feet into the ground and bury the top.

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DATE 3-1-99

Drainage Structure Inlet Filter Type I

Drainage Structure Inlet Filter Type I

GENERAL NOTES:
FRAME: Top Flange fabricated from 1/2"x1/2"x1/2" angle. Base rim fabricated from 1/2"x1/2"x1/2" channel. Handles and suspension brackets fabricated from 1/2"x1/2" flat stock. All domestic steel conforming to ASTM-A36.
SEDIMENT BAG: Bag fabricated from 4 oz./sq.yd. non-woven polypropylene geotextile reinforced with polyester mesh. Bag secured to base rim with a stainless steel strap and lock.

Marathon Materials, Inc.

Drainage Structure Inlet Filter Type II

Drainage Structure Inlet Filter Type II

GENERAL NOTES:
FRAME: Top Flange fabricated from 1/2"x1/2"x1/2" angle. Base rim fabricated from 1/2"x1/2"x1/2" channel. Handles and suspension brackets fabricated from 1/2"x1/2" flat stock. All domestic steel conforming to ASTM-A36.
SEDIMENT BAG: Bag fabricated from 4 oz./sq.yd. non-woven polypropylene geotextile reinforced with polyester mesh. Bag secured to base rim with a stainless steel strap and lock.

Marathon Materials, Inc.

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DESIGNED - BW	REVISED -
DRAWN - BR	REVISED -
CHECKED - BW	REVISED -
DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STORMWATER POLLUTION PREVENTION

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1591	08-00043-00-BR	COOK	24	11
ILLINOIS FED. AID PROJECT				CONTRACT NO. 63804