

| ROUTE NO.           | SECTION | COUNTY  | TOTAL SHEETS | SHEET NO. |
|---------------------|---------|---------|--------------|-----------|
| CH 31               | *       | MACON   | 162          | 56        |
| FED. ROAD DIST. NO. | KLINGS  | PROJECT |              |           |
|                     |         |         |              |           |

\* 02-00175-00-PV

**STORM WATER POLLUTION PREVENTION PLAN**

THE FOLLOWING PLAN IS ESTABLISHED AND INCORPORATED IN THE PROJECT TO DIRECT THE CONTRACTOR IN THE PLACEMENT OF TEMPORARY EROSION CONTROL SYSTEMS AND TO PROVIDE A STORM SEWER WATER POLLUTION PREVENTION PLAN FOR COMPLIANCE UNDER NPDES.

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

CERTAIN EROSION CONTROL FACILITIES SHALL BE INSTALLED BY THE CONTRACTOR AT THE BEGINNING OF CONSTRUCTION. OTHER ITEMS SHALL BE INSTALLED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER ON A CASE BY CASE SITUATION DEPENDING ON THE CONTRACTOR'S SEQUENCE OF ACTIVITIES, TIME OF YEAR, AND EXPECTED WEATHER CONDITIONS.

THE CONTRACTOR SHALL INSTALL PERMANENT EROSION CONTROL SYSTEMS AND SEEDING WITHIN A TIME FRAME SPECIFIED HEREIN AND AS DIRECTED BY THE ENGINEER, THEREBY MINIMIZING THE AMOUNT OF AREA SUSCEPTIBLE TO EROSION AND REDUCING THE AMOUNT OF TEMPORARY SEEDING. THE ENGINEER WILL DETERMINE IF ANY TEMPORARY EROSION CONTROL SYSTEMS SHOWN IN THE PLAN CAN BE DELETED AND IF ANY ADDITIONAL TEMPORARY EROSION CONTROL SYSTEMS, WHICH ARE NOT INCLUDED IN THIS PLAN, SHALL BE ADDED. THE CONTRACTOR SHALL PERFORM ALL WORK AS DIRECTED BY THE ENGINEER AND AS SHOWN IN STANDARD 280001 OF THE PLANS.

SITE DESCRIPTION

DESCRIPTION OF CONSTRUCTION ACTIVITY:

1. THE PROJECT CONSISTS OF RECONSTRUCTING EXISTING TWO-LANE TURPIN ROAD TO A TWO-LANE RURAL SECTION AND A TWO-LANE URBAN SECTION FOR 1.1 MILES IN MACON COUNTY.
2. CONSTRUCTION INCLUDES IMPROVING THREE CURVES, CURB AND GUTTER, STORM SEWER, AND ENTRANCE IMPROVEMENTS. OTHER ITEMS OF WORK INCLUDE DRAINAGE STRUCTURES, DITCH CONSTRUCTION, PAVEMENT MARKINGS, SIGNING AND OTHER INCIDENTAL AND COLLATERAL WORK NECESSARY TO COMPLETE THE IMPROVEMENT IN STAGED CONSTRUCTION AS SHOWN ON THE PLANS AND AS DESCRIBED HEREIN.

DESCRIPTION OF INTENDED SEQUENCE FOR MAJOR CONSTRUCTION ACTIVITIES WHICH WILL DISTURB SOILS FOR MAJOR PORTIONS OF THE CONSTRUCTION SITES:

STAGE 1 COMPLETE CONSTRUCTION OF THE FOLLOWING:

- TURPIN ROAD FROM: STA 509+69.52 TO STA 535+36
- TURPIN ROAD FROM: STA 540+67 TO STA 548+93
- TURPIN ROAD FROM: STA 552+00 TO STA 563+66
- TURPIN ROAD FROM: STA 566+94 TO STA 569+00
- HIGHLAND
- LILAC
- MESA

(CONSTRUCTION INCLUDES CLEARING, TREE REMOVAL, EXCAVATION, EMBANKMENT, STORM SEWER, CURB AND GUTTER, PAVING, SEEDING, PAVEMENT MARKING, SIGNING AND PERMANENT EROSION CONTROL ITEMS).

STAGE 2 COMPLETE CONSTRUCTION OF THE FOLLOWING:

- TURPIN ROAD FROM: STA 535+36 TO STA 540+67
- TURPIN ROAD FROM: STA 548+93 TO STA 552+00
- TURPIN ROAD FROM: STA 563+66 TO STA 566+94
- RETAINING WALL
- TEMPE DRIVE
- KATHY COURT
- SOUTH SHORES DRIVE

(CONSTRUCTION INCLUDES CLEARING, TREE REMOVAL, EXCAVATION, EMBANKMENT, STORM SEWER, CURB AND GUTTER, PAVING, SEEDING, PAVEMENT MARKING, SIGNING AND PERMANENT EROSION CONTROL ITEMS).

AREA OF CONSTRUCTION SITE:

THE TOTAL AREA OF THE CONSTRUCTION SITE IS ESTIMATED TO BE 10.0 ACRES OF WHICH 8.9 ACRES WILL BE DISTURBED BY EXCAVATION, GRADING, AND OTHER ACTIVITIES.

OTHER REPORTS, STUDIES AND PLANS WHICH AID IN THE DEVELOPMENT OF THE STORM WATER POLLUTION PREVENTION PLAN AS REFERENCED DOCUMENTS:

1. INFORMATION ON THE SOILS AND TERRAIN WITHIN THE SITE WAS OBTAINED FROM TOPOGRAPHIC SURVEYS AND SOIL BORINGS THAT WERE UTILIZED FOR THE DEVELOPMENT OF THE PROPOSED TEMPORARY EROSION CONTROL SYSTEMS.
2. PROJECT PLAN DOCUMENTS, STANDARD SPECIFICATIONS, AND PLAN DRAWINGS INDICATING DRAINAGE PATTERNS AND APPROXIMATE SLOPES ANTICIPATED AFTER GRADING ACTIVITIES WERE UTILIZED FOR THE PROPOSED PLACEMENT OF THE TEMPORARY EROSION CONTROL SYSTEMS.

DRAINAGE TRIBUTARIES AND SENSITIVE AREAS RECEIVING RUNOFF FROM THIS CONSTRUCTION SITE:

1. MULTIPLE UNNAMED CREEKS AND TRIBUTARIES.

CONTROLS • EROSION CONTROLS AND SEDIMENT CONTROL

DESCRIPTION OF STABILIZATION PRACTICES AT THE BEGINNING OF CONSTRUCTION:

1. THE DRAWINGS, SPECIFICATIONS, AND SPECIAL PROVISIONS WILL ENSURE THAT EXISTING VEGETATION IS PRESERVED WHERE ATTAINABLE AND DISTURBED PORTIONS OF THE SITE WILL BE STABILIZED. STABILIZATION PRACTICES INCLUDE: TEMPORARY SEEDING, PERMANENT SEEDING, MULCHING, PROTECTION OF TREES, PRESERVATION OF MATURE VEGETATION, AND OTHER APPROPRIATE MEASURES AS DIRECTED BY THE ENGINEER. STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED. IN NO CASE, SHALL MORE THAN 7 DAYS ELAPSE AFTER THE CONSTRUCTION ACTIVITY IN ANY PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED BEFORE INITIATION OF STABILIZATION MEASURES.
  - (a.) AREAS OF EXISTING VEGETATION (WOOD AND GRASSLANDS) OUTSIDE THE PROPOSED CONSTRUCTION LIMITS WILL BE IDENTIFIED BY THE ENGINEER FOR PRESERVING AND SHALL BE PROTECTED FROM CONSTRUCTION ACTIVITIES.
  - (b.) ALONG WITH REQUIRED TREE REMOVAL, DEAD, DISEASED, OR UNSUITABLE VEGETATION WITHIN THE SITE SHALL BE REMOVED AS DIRECTED BY THE ENGINEER.
  - (c.) AS SOON AS REASONABLE ACCESS IS AVAILABLE TO ALL LOCATIONS WHERE WATER DRAINS AWAY FROM THE PROJECT, TEMPORARY DITCH CHECKS, INLET AND PIPE PROTECTION, AND PERIMETER EROSION BARRIER SHALL BE INSTALLED AS CALLED OUT IN THIS PLAN AND DIRECTED BY THE ENGINEER.
  - (d.) BARE AND SPARSELY VEGETATED GROUND IN HIGHLY ERODABLE AREAS AS DETERMINED BY THE ENGINEER SHALL BE TEMPORARILY SEEDED AT THE BEGINNING OF CONSTRUCTION WHERE NO CONSTRUCTION ACTIVITIES ARE EXPECTED WITHIN SEVEN DAYS.
  - (e.) IMMEDIATELY AFTER TREE REMOVAL IS COMPLETED, AREAS WHICH ARE HIGHLY ERODABLE AS DETERMINED BY THE ENGINEER, SHALL BE TEMPORARILY SEEDED WHEN NO CONSTRUCTION ACTIVITIES ARE EXPECTED WITHIN SEVEN DAYS.
  - (f.) AT LOCATIONS WHERE A SIGNIFICANT AMOUNT OF WATER DRAINS INTO THE CONSTRUCTION ZONE FROM OUTSIDE AREAS (ADJACENT LANDOWNERS), TEMPORARY DITCH CHECKS WILL BE UTILIZED TO LOCALLY DIVERT WATER, REDUCE FLOW RATES, AND COLLECT OUTSIDE SILTATION INSIDE THE RIGHT-OF-WAY LINE.
2. ESTABLISHMENT OF THESE TEMPORARY EROSION CONTROL MEASURES WILL HAVE ADDITIONAL BENEFITS TO THE PROJECT. DESIRABLE GRASS SEED WILL BECOME ESTABLISHED IN THESE AREAS AND WILL SPREAD SEEDS ONTO THE CONSTRUCTION SITE UNTIL PERMANENT SEEDING/MOWING AND OVERSEEDING CAN BE COMPLETED.

THIS PLAN HAS BEEN PREPARED TO COMPLY WITH THE PROVISIONS OF THE NPDES PERMIT NUMBER ILR10, ISSUED BY THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FOR STORM WATER DISCHARGES FROM CONSTRUCTION SITE ACTIVITIES.

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHERED AND EVALUATED THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

  
MACON COUNTY ENGINEER

4/7/05  
DATE

| REVISIONS |      |          | DRAWN BY DATE |       |
|-----------|------|----------|---------------|-------|
| NO.       | DATE | INITIALS | LBM           | 05/03 |
| 1         |      |          | GLF           | 03/05 |
| 2         |      |          |               |       |
| 3         |      |          |               |       |
| 4         |      |          |               |       |
| 5         |      |          |               |       |
| 6         |      |          |               |       |
| 7         |      |          |               |       |
| 8         |      |          |               |       |
| 9         |      |          |               |       |
| 10        |      |          |               |       |

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|---|--|
| <b>STORM WATER POLLUTION PREVENTION PLAN</b>  |  |
| TURPIN ROAD CONNECTOR (CH 31)<br>MACON COUNTY, ILLINOIS   |  |
| <br><b>HOMER L.<br/>CHASTAIN<br/>&amp; ASSOCIATES, LLP</b><br>CONSULTING ENGINEERS<br>184-001297 | DECATUR<br><b>(317) 422-8544</b><br><br>CHICAGO<br><b>(773) 714-0660</b> |
| BOOK NUMBER<br>471  | PROJECT No.<br>4805  |
| SHEET No.   |  |