

## **REGULATION NOTES**

- 1.) THE PROPERTY OWNER IS RESPONSIBLE FOR SURFACE AND SUBSURFACE DRAINAGE RELATED TO HIS/HER LANDS, AND SHALL PROVIDE FOR SUCH DRAINAGE IN A WAY AS TO PROPERLY RELIEVE WATERS FROM THEIR LAND, WITHOUT INTERFERING WITH OR ADDING TO DRAINAGE MATTERS RELATED TO ADJACENT PROPERTIES.
- 2.) IF SITE IS 1.00 ACRE, OR LARGER IT WILL BE NECESSARY TO APPLY FOR A N.O.I. (NOTICE OF INTENT) FROM THE DIVISION OF WATER (CONTACT PEYTON ADAMS) AT 270-824-7529. SUBMIT A COPY OF THE N.O.I. AND B.M.P. TO THE LOCAL ENGINEER'S OFFICE, FOR A RECORD COPY.
- 3.) SUBMIT A COPY OF THE N.O.T. (NOTICE OF TERMINATION) TO THE LOCAL ENGINEERS OFFICE, FOR A RECORD COPY.
- 4.) PRIOR TO MOBILIZATION, ALL SILT FENCE SHALL BE INSTALLED.
- 5.) TOPSOIL STOCKPILES AND BORROW SITES SHALL BE SURROUNDED BY SILT FENCES, RESEEDED AND PLACED WHERE SOIL EROSION WOULD NOT FLOW
- 6.) ALL DISTURBED AREAS THAT REMAIN INACTIVE FOR MORE THAN 21 DAYS SHALL BE STABILIZED BY SEEDING, SODDING, MULCHING, COVERING, OR BY OTHER EQUIVALENT EROSION CONTROL MEASURES AS SOON AS PRACTICABLE, BUT IN NO CASE MORE THAN 14 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED
- 7.) EROSION CONTROL MEASURES ARE TO BE INSTALLED AT THE JOB SITE, IF EROSION OCCURS IN ANY AREA OF THE PROPERTY DURING CONSTRUCTION. THE CONTRACTOR S RESPONSIBLE FOR INSTALLING SILT FENCE, GRAVEL BAG SILT CHECK STRUCTURES, OR OTHER EROSION CONTROL MEASURES AS NEEDED TO PREVENT EROSION
- 8.) THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR REMOVING DIRT AND CONSTRUCTION DEBRIS CAUSED BY CONSTRUCTION ACTIVITIES FROM THE
- ALL POTENTIAL EROSION SHALL BE CONTROLLED IN SUCH A MANNER SO AS TO PREVENT ANY DISPLACEMENT OF SILT TO THE ADJACENT PROPERTY OWNERS OR RIGHT-OF-WAY. THIS CONTROL SHALL BE IMPLEMENTED THROUGH PROPER INSTALLATION OF SILT FENCE OR GRAVEL BAGS DURING THE CONSTRUCTION DURATION AND MAINTAINED UNTIL PROPER GROUND COVER HAS BEEN ESTABLISHED.
- 10.) THE EROSION CONTROL PLAN IS PREPARED AS A GUIDE FOR INITIAL EROSION CONTROL MEASURES TO BE INSTALLED AT THE JOB SITE. IF EROSION OCCURS IN OTHER SPECIFIC AREAS OF THE PROPERTY DURING CONSTRUCTION, THE CONTRACTOR IS RESPONSIBLE FOR INSTALLING SILT FENCE, GRAVEL BAG SILT CHECK STRUCTURES, OR OTHER EROSION
- 11.) THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE PROPER INSTALLATION AND MAINTENANCE OF THE EROSION PREVENTION AND SEDIMENTATION CONTROL. STRUCTURES, SILT FENCE, ETC., SHALL BE INSPECTED REGULARLY AND SHALL BE REPAIRED, CLEANED, AND / OR REINSTALLED AS NECESSARY TO MEET THE INTENT OF THIS PLAN AND THE LOCAL REGULATIONS.
- 12.) THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE REMOVAL OF THE EROSION PREVENTION AND SEDIMENTATION CONTROL STRUCTURES AFTER CONSTRUCTION IS COMPLETE, BUT ONLY AFTER PROPER GROUND COVER HAS BEEN ESTABLISHED.
- 13.) THE GENERAL CONTRACTOR SHALL INSURE THAT ALL SUBCONTRACTORS ARE FAMILIAR WITH THE EROSION CONTROL MEASURES ON SITE AND THAT EACH SUBCONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE THEY CAUSE TO ANY EROSION CONTROL STRUCTURE AND SHALL REPORT THE SAME TO THE GENERAL CONTRACTOR IMMEDIATELY.
- 14) ALL EROSION CONTROL AND STORM WATER MANAGEMENT PLANS (INCLUDING APPLICABLE BMPS) SHALL CONFORM TO THE MOST RECENTLY APPROVED KYR 10 PERMIT REQUIREMENTS. GO TO THE FOLLOWING KENTUCKY DIVISION OF WATER WEB PAGE FOR THE COMPLETE KYR 10 PERMIT DETAILS AND DATA: tp://www.water.ky.gov/NR/rdonlyres/B1F7160C-B2B3-41CC-B7E2-D08CFEBF0195/0/FinalPermitKYR10000RTC\_2\_.pd
- 15.) TOPSOIL BERMS MAY BE INSTALLED IN LIEU OF SILT FENCE ALONG SITE PERIMETER AT CONTRACTOR'S OPTION.
- 16.) THIS PROPERTY IS NOT LOCATED IN A SPECIAL FLOOD HAZARD AREA PER F.I.R.M. NO.21059C0143D, MAP DATED APRIL 16, 2009.
- 17.) NO GRADING, STRIPPING, EXCAVATING, FILLING, OR OTHER DISTURBANCE OF THE NATURAL GROUND COVER SHALL TAKE PLACE UNLESS AND UNTIL THE COUNTY ENGINEER HAS APPROVED THE
- 18.) SILT FENCES TO BE CLEANED OUT WHEN THEY BECOME ONE THIRD FULL. AFTER EVERY RAIN IN EXCESS OF ONE HALF INCH, ALL EROSION CONTROL MEASURES ARE TO BE INSPECTED AND CLEANED OR REPAIRED AS NECESSARY.

# **EROSION CONTROL ITEMS**

SEE "THE PUBLIC IMPROVEMENT SPECIFICATIONS" FOR THE RESPECTIVE CONSTRUCTION DETAILS: (ACCESS ON-LINE AT www.iompc.org)

**INLET PROTECTION EXHIBIT NO. 11-3** 

# **EROSION CONTROL PROCEDURES**

**EXHIBIT NO. 11-6** 

**GRAVEL BAGS** 

- EROSION CONTROL TECHNIQUES SHALL INCLUDE SILT CHECKS (ROCK CHECKS, TIMBER DAMS, EARTHEN DAMS, ETC.) DIVERSION DITCHES, SILT TRAPS, OR SIMILAR METHODS. SILT CHECKS AND SILT FENCES SHALL BE MAINTAINED AND
- UPON COMPLETION OF EARTHWORK WITHIN A DRAINAGE BASIN AREA, THE SITE SHALL BE FINAL SHAPED TO DRAIN AND TEMPORARY SEEDING/FERTILIZER APPLIED.
- ) SEEDED AREAS SHALL RECIEVE A STRAW MULCH OR ORGANIC COVER (APPROXIMATELY 1" LOOSE DEPTH) AFTER SEEDING OF DISTURBED AREAS.
- STORM RUN-OFF ROUTES AND SEDIMENT TRAPS SHALL BE MONITORED AND SEDIMENT PERIODICALLY REMOVED FOR CONTINUED COLLECTION OF UPSTREAM SEDIMENT.

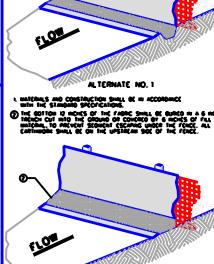
ATIONS IN THE PROCEDURES AND TIMING (AS DICTATED BY SITE CONDITIONS, WORK GRESS AND WEATHER LIMITATIONS) SHALL BE AS APPROVED BY THE PROJECT

HE CONTRACTOR SHALL BE REQUIRED TO CLEAN OUT (REMOVE SEDIMENT FROM) SILT RAPS WHENEVER THEY BECOME ONE-HALF FULL, AND PROPERLY DISPOSE OF THE IATERIAL AT SITES APPROVED BY THE PROJECT ENGINEER.

### SILT FENCE SHOULD NOT RUN PERPENDICULAR TO CONTOUR LINES WITHOUT "J" HOOK ANCHORS THE HEIGHT OF A SILT FENCE MUST BE 18" MIN. AND 30" MAX. -SEDIMENT STORAGE HEIGHT AND PONDING HEIGHT MUST NOT EXCEED 18" - PER CURRENT

KENTUCKY CONSTRUCTION SITE **BMP PLANNING AND TECHNICAL** SPECIFICATIONS MANUAL.

 WOVEN FABRIC BAG FILL **GRAVEL BAG CHECK DETAIL** 



KENTUCKY POLLUTANT

DISCHARGE ELIMINATION

SYSTEM

# (AT CURB INLET)

**KPDES** 

# ALTERNATE NO. 2 **SILT FENCE DETAIL**

- 1.) NO SOLID MATERIALS, INCLUDING BUILDING MATERIALS, SHALL BE DISCHARGED TO WATERS OF THE COMMONWEALTH, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT. WASTE DISPOSAL METHODS AND SANITARY SEWER OR SEPTIC SYSTEMS SHALL COMPLY WITH APPLICABLE STATE AND LOCAL REGULATIONS.
- 2.) THE PRESENCE OF HAZARDOUS SUBSTANCES OR OIL IN THE STORM WATER
- DISCHARGE SHALL BE MINIMIZED. 3.) EXISTING VEGETATION SHALL BE PRESERVED WHERE POSSIBLE. DISTURBANCE
- 4.) SILT FENCES OR OTHER EQUIVALENT STRUCTURAL PRACTICES SHALL BE USED ON ALL SIDE AND DOWN SLOPE BORDERS OF THE SITE.

CONSTRUCTION ACTIVITY HAVE BEEN ELIMINATED.

AREAS SHALL BE MINIMIZED.

- 5.) VELOCITY DISSIPATION DEVICES (SUCH AS RIP-RAP CHECKS, RIPPLE POOLS, GRAVEL BAG CHECKS AND TIMBER CHECKS) SHALL BE INSTALLED DURING CONSTRUCTION TO CONTROL POLLUTANTS IN STORM WATER DISCHARGE AND OUTFALL CHANNELS NECESSARY TO PROVIDE NON-EROSIVE FLOW. THE PERMITTEE IS NOT RESPONSIBLE FOR MAINTENANCE OF PERMANENT ENERGY DISSIPATION DEVICES ONCE DISCHARGE ASSOCIATED WITH
- 6.) INSPECTIONS SHALL BE PERFORMED BY QUALIFIED PERSONNEL. INSPECTIONS OF CONSTRUCTION, DISTURBANCE AND DISCHARGE AREAS SHALL BE PERFORMED:
  - AT LEAST ONCE EVERY SEVEN (7) CALANDER DAYS; OR
  - AT LEAST ONCE EVERY FOURTEEN (14) CALANDER DAYS, AND WITHIN TWENTY-FOUR (24) HOURS AFTER ANY STORM EVENT OF 0.5-INCH OR GREATER;
  - FOR AREAS OF THE SITE THAT HAVE UNDERGONE TEMPORARY OR FINAL STABILIZATION INSPECTIONS SHALL BE CONDUCTED AT LEAST ONCE A MONTH UNTIL COVERAGE IS TERMINATED.

## REVISIONS TO THE BMP PLAN BASED ON THE RESULTS OF THE INSPECTIONS SHALL BE IMPLEMENTED WITHIN SEVEN (7) DAYS, AS APPROVED BY THE PROJECT ENGINEER.

- 7.) SEE EROSION CONTROL PLAN / BMP PLAN FOR PROJECT SPECIFIC
- EROSION CONTROL TECHNIQUES AND REQUIREMENTS. 8.) SEE EROSION CONTROL PLAN/ BMP PLAN FOR GENERALIZED POST- CONSTRUCTION
- 9.) THE STORM WATER MANAGEMENT PLAN AND EROSION CONTROL PLAN ELEMENTS MAY BE IMPLEMENTED OR TERMINATED IN CONSTRUCTION PHASES AS DIRECTED
- 10.) BUILDING DEMOLITION SHALL OCCUR PRIOR TO PLACEMENT OF SILT FENCE

BY THE PROJECT ENGINEER. NO PLAN MODIFICATIONS ARE REQUIRED FOR PHASING.

- SECTIONS AT BUILDING LOCATIONS NEAR SCHEDULED SILT FENCE LOCATIONS. 11.) THE STORM WATER MANAGEMENT PLAN AND EROSION CONTROL PLAN ELEMENTS MAY BE IMPLEMENTED OR TERMINATED IN CONSTRUCTION PHASES AS DIRECTED BY THE PROJECT ENGINEER. NO PLAN MODIFICATIONS
- 12.) BUILDING DEMOLITION SHALL OCCUR PRIOR TO PLACEMENT OF SILT FENCE SECTIONS AT DEMOLITION LOCATIONS NEAR SILT FENCE.
- 13.) ALL EROSION CONTROL AND STORM WATER MANAGEMENT PLANS (INCLUDING APPLICABLE BMPS) SHALL CONFORM TO THE MOST RECENTLY APPROVED KYR 10 PERMIT REQUIREMENTS. GO TO THE FOLLOWING KENTUCKY DIVISION OF WATER WEB PAGE FOR THE COMPLETE KYR 10 PERMIT DETAILS AND DATA: http://www.water.ky.gov/NR/rdonlyres/B1F7160C-B2B3-41CC-B7E2-D08CFEBF0195/0/FinalPermitKYR10000RTC\_2\_.pdf

1.90 ACRES

**1.90 ACRES** 

# MAINTENANCE PROCEDURES

- 1.) DETENSION BASIN
- THE CONTRACTOR SHALL BE REQUIRED TO CLEAN OUT (REMOVE SEDIMENT FROM) SILT BASINS WHENEVER THEY BECOME ONE-HALF FULL, AND PROPERLY DISPOSE OF THE MATERIAL AT SITES APPROVED BY THE LOCAL ENGINEER.
- 2.) SILT FENCES
  - SILT FENCES TO BE CLEANED OUT WHEN THEY BECOME ONE THIRD FULL. AFTER EVERY RAIN IN EXCESS OF ONE HALF INCH, ALL EROSION CONTROL MEASURES ARE TO BE INSPECTED AND CLEANED OR REPAIRED AS
- 3.) GRAVEL BAGS
  - CLEAN, REFURBISH OR REPLACE AS NECESSARY AT 50% SEDIMENTATION
- 4.) DAMS & CHECKS
  - CLEAN AND RESTORE AS NECESSARY AT 50% SEDIMENTATION CAPACITY.
- 5.) GULLLIES AND RILLS

FILL, COMPACT, REGRADE AND PROVIDE EROSION CONTROL MATTING OR 2" STRAW MULCH AS GULLIES AND RILLS DEVELOP.

SILT LOAM

# Owensboro\Daviess County\KYTC Collaborative Storm Water Phase II Plan Map of Greater Owensboro/Daviess County Depicting Watersheds and Outfall Locations

## CONTRACTOR'S CERTIFICATION FOR STORM WATER PERMIT 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 GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE 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 AND 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.

**ENGINEER'S CERTIFICATION** THIS PLAN; PREPARED UNDER MY DIRECT SUPERVISION; IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF. 11,402

JAMES R. RINEY PE, PS

KY. PROFESSIONAL ENGINEER NO. 11,402

PERMIT PERMIT NO.: KYR100000 AI NO.: 35050 AUTHORIZATION TO DISCHARGE UNDER THE KENTUCKY POLLUTANT DISCHARGE ELIMINATION SYSTEM Pursuant to Authority in KRS 224, this permit is applicable to stormwater discharges associated with construction activities that meet the eligibility requirements of this permit. This permit applies to stormwater discharges associated with construction activities disturbing individually one (1) acre or more, including, in the case of a common plan of development, contiguous construction activities that cumulatively equal one (1) acre or more of disturbance. Non-contiguous construction activities (i.e. activities separated by at least 0.25 miles that disturb more than one (1) acre shall be considered independent activities. Those water bodies of the Commonwealth that comprise the Mississippi and Ohio River basins and sub-basins within the political and geographic boundaries of in accordance with effluent limitations, monitoring requirements, and other conditions set forth in PARTS I, II, III and IV hereof. The permit consists of this cover sheet, PART I  $\underline{8}$  pages), PART II  $\underline{11}$  pages. PART III  $\underline{8}$  pages and PART IV  $\underline{2}$  pages This permit shall become effective on August 1, 2009. This permit and the authorization to discharge shall expire at midnight, July 31, 2014. Peter T. Goodmann, Assistant Director Division of Water

# **EROSION CONTROL PLAN** STORM WATER MANAGEMENT PLAN

# NEWCOMB OIL CO., LLC

LOCATED AT 3689 KY HWY 54 EASTERN OWENSBORO DAVIESS COUNTY, KENTUCKY AUGUST 23, 2019 SCALE: 1"=40'

PREPARED BY:



3037 ALVEY PARK DRIVE WEST OWENSBORO, KENTUCKY 42303 (270) 683-7558 FAX (270) 683-9277 GRAPHIC SCALE

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SHEET 3 OF 4

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**DESIGNATION** 

**NEWCOMB OIL CO.** 

3689 KY 54

ANTICIPATED DEVELOPMENT AREA DISTURBANCE SCHEDULE TOTAL AREA (APPROX.) DISTURBANCE AREA (APPROX.) POST DEVELOPMENT C-FACTOR <u>SOILS</u> **ANTICIPATED START TIME ANTICIPATED COMPLETION TIME** 

11/01/2019

06/01/2019

0.72

CONTRACTOR DATE

