

# STORM WATER MANAGEMENT PLAN

## SITE DESCRIPTION

**PROJECT LIMITS:**  
 \_\_\_\_\_  
 PROJECT LIES ALONG N-S SECTION LINE 246, AIRPORT ROAD, WITHIN  
 SECTIONS 29 AND 306, T-2-N, R-13-W, COMANCHE COUNTY, OKLAHOMA.  
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**PROJECT DESCRIPTION:** \_\_\_\_\_  
 \_\_\_\_\_  
 CONSTRUCTION OF A 105' PCB SPAN AND APPROACH ROADWAYS.  
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- SUGGESTED SEQUENCE OF EROSION CONTROL ACTIVITIES:**
1. INSTALL PERIMETER EROSION CONTROL DEVICES.
  2. VEGETATIVE STRIPPING, UNDERCUT AND STOCKPILE TOPSOIL.
  3. ROADWAY EXCAVATION AND EMBANKMENT.
  4. INSTALL SILT FENCE, DIKES WITHIN PROJECT LIMITS.
  5. ABUTMENT CONSTRUCTION.
  6. PLACE CHANNEL RIPRAP.
  7. COMPLETE BRIDGE CONSTRUCTION.
  8. CULVERT TRENCHING AND CONSTRUCTION.
  9. VEGETATIVE MULCHING.
  10. CONST. FINISHED ROADWAY PAVING.
  11. SPREAD TOPSOIL.
  12. INSTALL SOLID SLAB SOD.

SOIL TYPE: HENNESSEY AND ADDINGTON UNITS

AREA TO BE DISTURBED: 4.9 ACRES

OFFSITE AREA TO BE DISTURBED: \_\_\_\_\_  
 (FOR CONTRACTOR USE)

MAXIMUM ACRES TO BE  
 DISTURBED AT ANY ONE TIME:  
 (FOR CONTRACTORS USE) \_\_\_\_\_

LATITUDE & LONGITUDE OF CENTER OF PROJECT: LATITUDE 34° 36' 52"  
 LONGITUDE 98° 35' 52"

NAME OF RECEIVING WATERS: TRIBUTARY TO BLUE BEAVER CREEK

SENSITIVE WATERS OR WATERSHEDS: YES  NO

303(d) IMPAIRED WATERS: YES  NO

NOTE:  
 THIS SHEET SHOULD BE USED IN CONJUNCTION WITH A DRAINAGE MAP  
 THAT ILLUSTRATES THE DRAINAGE PATTERNS/PATHWAYS AND RECEIVING WATERS  
 FOR THIS PROJECT. THIS SHEET SHOULD ALSO BE USED WITH THE EROSION  
 CONTROL SUMMARIES, PAY ITEMS, & NOTES.

## EROSION AND SEDIMENT CONTROLS

### SOIL STABILIZATION PRACTICES:

- \_\_\_\_\_ TEMPORARY SEEDING
- X  PERMANENT SODDING, SPRIGGING OR SEEDING
- X  VEGETATIVE MULCHING
- \_\_\_\_\_ SOIL RETENTION BLANKET
- X  PRESERVATION OF EXISTING VEGETATION

NOTE: TEMPORARY EROSION CONTROL METHODS ARE TO BE USED ON  
 ALL DISTURBED AREAS WHERE CONST. ACTIVITIES HAVE CEASED FOR OVER  
 14 DAYS. METHODS USED WILL BE AS SHOWN ON PLANS OR AS DIRECTED BY  
 THE ENGINEER.

### STRUCTURAL PRACTICES:

- \_\_\_\_\_ STABILIZED CONSTRUCTION EXIT
- X  TEMPORARY SILT FENCE
- X  TEMPORARY SILT DIKES
- \_\_\_\_\_ TEMPORARY FIBER LOG
- \_\_\_\_\_ DIVERSION, INTERCEPTOR OR PERIMETER DIKES
- \_\_\_\_\_ DIVERSION, INTERCEPTOR OR PERIMETER SWALES
- \_\_\_\_\_ ROCK FILTER DAMS
- \_\_\_\_\_ TEMPORARY SLOPE DRAIN
- \_\_\_\_\_ PAVED DITCH W/ DITCH LINER PROTECTION
- \_\_\_\_\_ TEMPORARY DIVERSION CHANNELS
- \_\_\_\_\_ TEMPORARY SEDIMENT BASINS
- \_\_\_\_\_ TEMPORARY SEDIMENT TRAPS
- \_\_\_\_\_ TEMPORARY SEDIMENT FILTERS
- X  TEMPORARY SEDIMENT REMOVAL
- X  RIP RAP
- \_\_\_\_\_ INLET SEDIMENT FILTER
- \_\_\_\_\_ TEMPORARY BRUSH SEDIMENT BARRIERS
- \_\_\_\_\_ SANDBAG BERMS
- \_\_\_\_\_ TEMPORARY STREAM CROSSINGS

### OFFSITE VEHICLE TRACKING:

- X  HAUL ROADS DAMPENED FOR DUST CONTROL
- X  LOADED HAUL TRUCKS TO BE COVERED WITH TARPALIN
- \_\_\_\_\_ EXCESS DIRT ON ROAD REMOVED DAILY

### NOTES:

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 \_\_\_\_\_

### THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR THE FOLLOWING:

#### MAINTENANCE AND INSPECTION:

ALL EROSION AND SEDIMENT CONTROLS WILL BE MAINTAINED IN GOOD WORKING ORDER FROM  
 THE BEGINNING OF CONSTRUCTION UNTIL AN ACCEPTABLE VEGETATIVE COVER IS ESTABLISHED.  
 INSPECTION BY THE CONTRACTOR AND ANY NECESSARY REPAIRS SHALL BE PERFORMED ONCE EVERY  
 7 CALENDAR DAYS AND WITHIN 24 HOURS AFTER ANY STORM EVENT GREATER THAN 0.5 INCH AS  
 RECORDED BY A NON-FREEZING RAIN GAUGE TO BE LOCATED ON SITE. POTENTIALLY ERODIBLE  
 AREAS, DRAINAGEWAYS, MATERIAL STORAGE, STRUCTURAL DEVICES, CONSTRUCTION ENTRANCES AND  
 EXITS ALONG WITH EROSION AND SEDIMENT CONTROL LOCATIONS ARE EXAMPLES OF SITES THAT  
 NEED TO BE INSPECTED.

#### WASTE MATERIALS:

PROPER MANAGEMENT AND DISPOSAL OF CONSTRUCTION WASTE MATERIAL IS REQUIRED BY THE  
 CONTRACTOR. MATERIALS INCLUDE STOCKPILES, SURPLUS, DEBRIS AND ALL OTHER BY-PRODUCTS  
 FROM THE CONSTRUCTION PROCESS. PRACTICES INCLUDE DISPOSAL, PROPER MATERIALS HANDLING,  
 SPILL PREVENTION AND CLEANUP MEASURES. CONTROLS AND PRACTICES SHALL MEET THE  
 REQUIREMENTS OF ALL FEDERAL, STATE AND LOCAL AGENCIES.

#### HAZARDOUS MATERIALS:

PROPER MANAGEMENT AND DISPOSAL OF HAZARDOUS WASTE MATERIALS IS REQUIRED. THE  
 CONTRACTOR IS RESPONSIBLE FOR FOLLOWING MANUFACTURER'S RECOMMENDATIONS, STATE AND  
 FEDERAL REGULATIONS TO ENSURE CORRECT HANDLING, DISPOSAL, SPILL PREVENTION AND CLEANUP  
 MEASURES. EXAMPLES INCLUDE BUT ARE NOT LIMITED TO: PAINTS, ACIDS, CLEANING SOLVENTS,  
 CHEMICAL ADDITIVES, CONCRETE CURING COMPOUNDS AND CONTAMINATED SOILS.

#### GENERAL NOTES:

A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) IS REQUIRED TO COMPLY WITH THE  
 OKLAHOMA POLLUTION DISCHARGE ELIMINATION SYSTEM (OPDES) REGULATIONS. THIS PLAN IS  
 INITIATED DURING THE DESIGN PHASE, CONFIRMED IN THE PRE-WORK MEETINGS AND AVAILABLE  
 ON THE JOB SITE ALONG WITH COPIES OF THE NOTICE OF INTENT (NOI) FORM AND PERMIT  
 CERTIFICATE THAT HAVE BEEN FILED WITH THE OKLAHOMA DEPARTMENT OF ENVIRONMENTAL  
 QUALITY (ODEQ). THE PLAN MUST BE KEPT CURRENT WITH UP-TO-DATE AMENDMENTS DURING  
 THE PROGRESSION OF THE PROJECT. ALL CONTRACTOR OFF-SITE OPERATIONS ASSOCIATED WITH  
 THE PROJECT MUST BE DOCUMENTED IN THE SWPPP, I.E., BORROW PITS, WORK ROADS, DISPOSAL  
 SITES, ASPHALT/CONCRETE PLANTS, ETC. THE BASIC GOAL OF STORM WATER MANAGEMENT IS TO  
 IMPROVE WATER QUALITY BY REDUCING POLLUTANTS IN STORM WATER DISCHARGES. RUNOFF  
 FROM CONSTRUCTION SITES HAS A POTENTIAL FOR POLLUTION DUE TO EXPOSED SOILS AND  
 THE PRESENCE OF HAZARDOUS MATERIALS USED IN THE CONSTRUCTION PROCESS. THE  
 PREVENTION OF SOIL EROSION, CONTAINMENT OF HAZARDOUS MATERIALS AND/OR THE  
 INTERCEPTION OF THESE POLLUTANTS BEFORE LEAVING THE CONSTRUCTION SITE ARE THE BEST  
 PRACTICES FOR CONTROLLING STORM WATER POLLUTION.

### THE FOLLOWING SECTIONS OF THE 2009 ODOT STANDARD SPECIFICATIONS SHOULD BE NOTED:

103.05	BONDING REQUIREMENTS
104.10	FINAL CLEANING UP
104.12	CONTRACTOR'S RESPONSIBILITY FOR WORK
104.13	ENVIRONMENTAL PROTECTION
106.08	STORAGE AND HANDLING OF MATERIAL
107.01	LAWS, RULES AND REGULATIONS TO BE OBSERVED
107.20	STORM WATER MANAGEMENT
220	MANAGEMENT OF EROSION, SEDIMENTATION AND STORM WATER POLLUTION PREVENTION AND CONTROL
221	TEMPORARY SEDIMENT CONTROL

#### IN ADDITION:

"ODEQ GENERAL PERMIT (OKR10) FOR STORM WATER DISCHARGES FROM CONSTRUCTION ACTIVITIES WITHIN THE  
 STATE OF OKLAHOMA." ODEQ, WATER QUALITY DIVISION, SEPTEMBER 13, 2012.

TRIBUTARY TO BLUE BEAVER CREEK COMANCHE COUNTY

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JOB PIECE NO. 30440(04) SHEET NO. R001