

STORM WATER MANAGEMENT PLAN

| DESCRIPTION | REVISIONS | DATE |
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SITE DESCRIPTION

PROJECT LIMITS: _____
 PROJECT STARTS AT THE INTERSECTION OF NS-277 AND EW-187 AND
 CONTINUES EAST 5 MILES TO THE INTERSECTION OF US-81 AND EW-187.
 THE PROJECT FALLS WITHIN THE S/2 OF SECTIONS (8, 9, 10, 11, 12)
 T-3-S, R-8-W, N/2 OF SECTIONS (13, 14, 15, 16, 17) T-3-S,
 R-8-W, S/2 OF SECTION 7 T-3-S, R-7-W, N/2 OF SECTION 18
 T-3-S, R-7-W STEPHENS COUNTY, OKLAHOMA.

PROJECT DESCRIPTION: _____
 REPLACEMENT OF EXISTING ASPHALT PAVEMENT ALONG EW-187 ROAD
 BETWEEN NS-277 AND US-81, CONSTRUCTION OF A 75' BY 26' CLEAR
 ROADWAY ROLLED BEAM BRIDGE.

- SUGGESTED SEQUENCE OF EROSION CONTROL ACTIVITIES: _____
1. VEGETATIVE STRIPPING
 2. UNDERCUT & STOCKPILE EXISTING TOPSOIL
 3. INSTALL PERIMETER EROSION CONTROL MEASURES
 4. ROADWAY EXCAVATION AND EMBANKMENT
 5. BRIDGE CONSTRUCTION
 6. CULVERT TRENCHING AND CONSTRUCTION
 7. INSTALL TEMP. SEDIMENT FILTERS, SOD DITCHES, & VEGETATIVE MULCH
 8. CONST. FINISHED ROADWAY PAVING
 9. SPREAD TOPSOIL
 10. INSTALL SOLID SLAB SOD

SOIL TYPE: _____ GARBER SANDSTONE AND WELLINGTON FORMATION

AREA TO BE DISTURBED: _____ 35.44 AC.

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: _____
 34° 18' 15" N
 98° 00' 31" W

NAME OF RECEIVING WATERS: _____
 DRY CREEK, UNNAMED TRIBUTARIES OF DRY CREEK, AND UNNAMED
 TRIBUTARIES OF COW 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
- PERMANENT SODDING, SPRIGGING OR SEEDING
- VEGETATIVE MULCHING
- _____ SOIL RETENTION BLANKET
- 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
- TEMPORARY SILT FENCE
- 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
- TEMPORARY SEDIMENT REMOVAL
- RIP RAP
- _____ INLET SEDIMENT FILTER
- _____ TEMPORARY BRUSH SEDIMENT BARRIERS
- _____ SANDBAG BERMS
- _____ TEMPORARY STREAM CROSSINGS

OFFSITE VEHICLE TRACKING:

- HAUL ROADS DAMPENED FOR DUST CONTROL
- LOADED HAUL TRUCKS TO BE COVERED WITH TARPULIN
- EXCESS DIRT ON ROAD REMOVED DAILY

NOTES:

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:

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| 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.

EW-187 STEPHENS COUNTY

STORM WATER MANAGEMENT PLAN

JOB PIECE NO. 27847(04) SHEET NO. R001