

BY SEALING THE PLANS, THE DESIGN PROFESSIONAL HEREBY CERTIFIES THAT THE FOREGOING ESTIMATE REFLECTS THE CURRENT IMPROVEMENT COSTS OF THIS PROJECT.

--- DIVERSION CHANNEL AND BERM

# PROJECT INFORMATION

TOTAL SITE LEASE AREA: 54,454 SF: 1.27 ACRES

ZONED: C-2 COMMERCIAL HIGH INTENSITY DISTRICT

TOTAL DISTURBED AREA: 107,300 SF: 2.46 ACRES

### DESCRIPTION OF CONSTRUCTION ACTIVITIES:

 PROJECT CONSTRUCTION WILL CONSIST PRIMARILY OF SITE GRADING, PAVING, STORM DRAINAGE, WATER SUPPLY, AND SEWAGE COLLECTION TO SUPPORT A TEXAS ROADHOUSE 7,240 S.F. BUILDING.

- 1. NOTIFY ROANOKE COUNTY AND THE PEANUT SOIL & WATER CONSERVATION DISTRICT ONE WEEK PRIOR TO THE PRE-CONSTRUCTION MEETING AND ONE WEEK PRIOR TO
- THE COMMENCEMENT OF LAND-DISTURBING ACTIVITY PREPARE TEMPORARY PARKING AND STORAGE AREA. INSTALL STABILIZED CONSTRUCTION ENTRANCE. CONSTRUCT THE SILT FENCES ON THE SITE.
- INSTALL ALL PERIMETER SEDIMENT MEASURES. INSTALL INLET PROTECTION DEVICES. INSTALL SEDIMENT TRAP AND DIVERSION CHANNELS
- INSTALL ALL TEMPORARY EROSION & SEDIMENT CONTROLS AS NEEDED. CLEAR AND GRUB THE SITE. 10. BEGIN WALL CONSTRUCTION AND GRADING OF THE SITE

NOTE: THE GENERAL CONTRACTOR MAY COMPLETE CONSTRUCTION—RELATED ACTIVITIES CONCURRENTLY ONLY IF ALL PRECEDING BMPs HAVE BEEN COMPLETELY INSTALLED.

THE ACTUAL SCHEDULE FOR IMPLEMENTING POLLUTANT CONTROL MEASURES WILL BE DETERMINED BY PROJECT CONSTRUCTION PROGRESS AND RECORDED BY THE GENERAL CONTRACTOR ON THE SOIL EROSION/SEDIMENTATION CONTROL OPERATION TIME SCHEDULE ON THE EROSION AND SEDIMENTATION CONTROL PLANS (SITE MAPS). DOWN SLOPE PROTECTIVE MEASURES MUST ALWAYS BE IN PLACE BEFORE SOIL IS DISTURBED

#### BMP STRUCTURAL MEASURES:

- 3.02 TEMPORARY STONE CONSTRUCTION ENTRANCE: A STABILIZED ENTRANCE/EXIT TO A CONSTRUCTION SITE USED TO REDUCE THE AMOUNT OF DIRT AND MUD TRACKED OFF
- 3.05 SILT FENCE: A TEMPORARY FABRIC BARRIER FENCE USED TO CONTAIN SEDIMENT OF DISTURBED AREAS FROM LEAVING THE SITE. TO REDUCE THE VELOCITY OF SHEET FLOWS AND CHANNEL RUNOFF.
- 3.07 STORM DRAIN INLET PROTECTION: A SEDIMENT FILTER USED TO PREVENT SEDIMENT FROM DISTURBED SITE FROM ENTERING STORM DRAINAGE SYSTEMS.
- 3.08 CULVERT INLET PROTECTION: A SEDIMENT FILTER USED TO PREVENT SEDIMENT FROM ENTERING THE CULVERT AND ASSOCIATED DRAINAGE SYSTEM AND TO PREVENT EROSION AROUND THE CULVERT.
- 3.12 DIVERSION CHANNEL: A CHANNEL USED TO CONTROL AND DIRECT STORMWATER RUNOFF TO A STABILIZED OUTLET MINIMIZING EROSION CAUSED BY SHEET FLOW TO THE
- 3.13 TEMPORARY SEDIMENT TRAP: A TEMPORARY PONDING AREA FOR A DISTURBED AREA LESS THAN 3 ACRES; FED BY CHANNELS AND SHEET FLOW TO CONTAIN STORMWATER LONG ENOUGH FOR SEDIMENT TO SETTLE.
- 3.20 ROCK CHECK DAM: USED IN CONJUNCTION WITH CHANNELS TO REDUCE THE VELOCITY OF THE CONCENTRATED FLOW REDUCING THE EROSION TO THE CHANNEL AND
- 3.31 TEMPORARY SEEDING: TEMPORARY VEGETATIVE COVER USED TO MINIMIZE DAMAGE CAUSED BY RUNOFF AND TO PROTECT SOIL DURING CONSTRUCTION. MUST BE USED TO STABILIZE A DISTURBED AREA THAT IS NOT USED FOR MORE THAN 14 DAYS.
- 3.32 PERMANENT SEEDING: PERMANENT VEGETATIVE COVER TO STABILIZE DISTURBED AREA AFTER CONSTRUCTION IS COMPLETE.
- 3.35 MULCHING: USED TO PREVENT SURFACE EROSION AND FOSTER GROWTH OF VEGETATION AND MAY BE USED IN CONJUNCTION WITH PERMANENT SEEDING.
- ENOUGH TO STABILIZE THE SOIL. 3.39 DUST CONTROL: USE OF OTHER SOIL STABILIZATION METHODS TO REDUCE THE AMOUNT OF DUST IN THE AIR CAUSED BY CONSTRUCTION ACTIVITIES. INCLUDES MEASURES OF IRRIGATION OR WETTING THE GROUND TO TRAP DUST OR USE OF SPRAY

# TEMPORARY & PERMANENT STABILIZATION:

PERMANENT OR TEMPORARY SOIL STABILIZATION SHALL BE APPLIED TO DENUDED AREAS WITHIN SEVEN DAYS AFTER FINAL GRADE IS REACHED ON ANY PORTION OF THE SITE. TEMPORARY SOIL STABILIZATION SHALL BE APPLIED WITHIN SEVEN DAYS TO DENUDED AREAS THAT MAY NOT BE AT FINAL GRADE BUT WILL REMAIN DORMANT FOR LONGER THAN 14 DAYS. PERMANENT STABILIZATION SHALL BE APPLIED TO AREAS THAT ARE TO BE LEFT DORMANT FOR MORE THAN ONE YEAR.

## LOCATION OF WETLANDS AND SURFACE WATERS:

• THERE ARE NOT WETLANDS OR SURFACE WATERS WITH IN THE LIMIT OF WORK.

## POTENTIAL POLLUTANTS DURING CONSTRUCTION:

( IN FEET ) 1 inch = 30 ft.

- ALL CONSTRUCTION WASTE AND TRASH (PAPER, PLASTIC, WOOD, SCRAP, METALS, RUBBER, ETC.) SHALL BE COLLECTED AND STORED IN CONTAINERS WITH LIDS OR COVERS THAT CAN BE PLACED OVER THE CONTAINER PRIOR TO RAINFALL. THE WASTE SHALL BE DISPOSED OF ACCORDING TO STATE AND LOCAL SOLID WASTE MANAGEMENT
- SANITARY WASTE THAT IS GENERATED ON THE SITE SHALL BE DISPOSED OF IN ACCORDANCE WITH LOCAL AND STATE REGULATIONS.
- DUST ON THE SITE SHALL BE CONTROLLED BY ANY OF THE FOLLOWING METHODS: VEGETATIVE COVER, MULCH (INCLUDING GRAVEL MULCH), WATER SPRINKLING, BARRIERS, TILLAGE, AND CALCIUM CHLORIDE APPLICATION BY MECHANICAL SPREADER AS LOOSE DRY GRANULES AT A RATE THAT DOES NOT CAUSE WATER POLLUTION OR PLANT DAMAGE, APPROVED SPRAY ON ADHESIVES OR ANY OTHER APPROVED METHOD. THE USE OF MOTOR OILS AND OTHER TOXIC LIQUIDS FOR DUST SUPPRESSION OPERATIONS IS
- OFF-SITE VEHICLE TRACKING OF SEDIMENTS SHALL BE MINIMIZED BY PROVIDING A CONSTRUCTION ENTRANCE AS DETAILED ON THE EROSION CONTROL PLAN. NO ACCESS FOR CONSTRUCTION INGRESS OR EGRESS SHALL BE ALLOWED EXCEPT FOR THE
- CONSTRUCTION ENTRANCE SHOWN ON THE EROSION CONTROL PLAN. FERTILIZERS AND PESTICIDES WILL BE USED AT A MINIMUM AND IN ACCORDANCE WITH THE MANUFACTURER'S SUGGESTED APPLICATION RATES.
- ALL HAZARDOUS WASTE (PAINTS, ACIDS FOR CLEANING MASONRY SURFACES, CLEANING SOLVENTS, CONCRETE CURING COMPOUNDS, AND ADDITIVES, ETC.) SHALL BE DISPOSED
- OF ACCORDING TO LOCAL, STATE, AND FEDERAL REGULATIONS. ALL CONTRACTORS AND SUBCONTRACTORS AFFILIATED WITH THE CONSTRUCTION PROJECT SHALL ABIDE BY FEDERAL EPA, STATE, AND LOCAL REQUIREMENTS FOR THE CONSTRUCTION, WASTE DISPOSAL, SANITARY SEWER, AND SEPTIC SYSTEM REGULATIONS.



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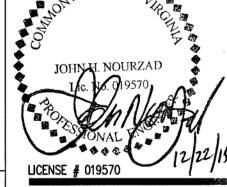
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ISSUE/REVISION RECORD DATE DESCRIPTION 06/05/15 CONCEPTUAL LAYOUT 07/01/15 CONCEPTUAL SUBMITTAL 07/14/15 COORDINATION SET 08/05/15 COUNTY RESPONSE #

09/08/15 COUNTY RESPONSE # 10/14/15 COUNTY RESPONSE # 11/02/15 BID SET 12/03/15 COUNTY RESPONSE #4

12/23/15 CONSTRUCTION SET



PROFESSIONAL SEAL

**PROFESSIONAL IN CHARGE** 

JOHN NOURZAD, P.E. PROJECT MANAGER ANDRE PIMENTEL **QUALITY CONTROL** STEPHEN POWERS, P.E. DRAWN BY

RYAN SCHNEPPER E.I.T.

**PROJECT NAME** 

**TEXAS ROADHOUSE** 

**ROANOKE VIRGINIA** 

**SOUTH PEAK BLVD.** 



**PROJECT NUMBER** 20140788.0

SHEET TITLE

**EROSION CONTROL PLAN** PHASE I

SHEET NUMBER