

# SPRINGHURST PARKWAY AT ROUTE "N" AMENDED ROAD PLANS FOR STA 0+41.01 - STA 6+00.00

A TRACT OF LAND BEING PART OF THE NORTHEAST QUARTER OF SECTION 10  
TOWNSHIP 46 NORTH, RANGE 2 EAST OF THE 5TH PRINCIPAL MERIDIAN  
COUNTY OF ST. CHARLES, MISSOURI



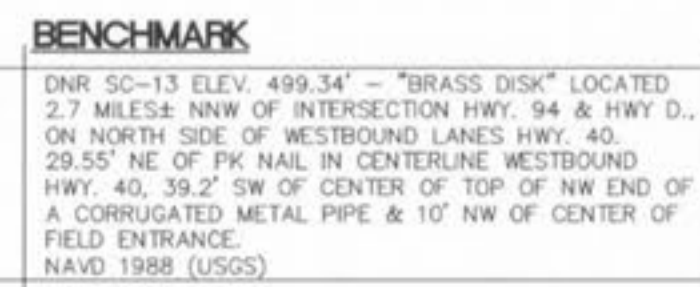
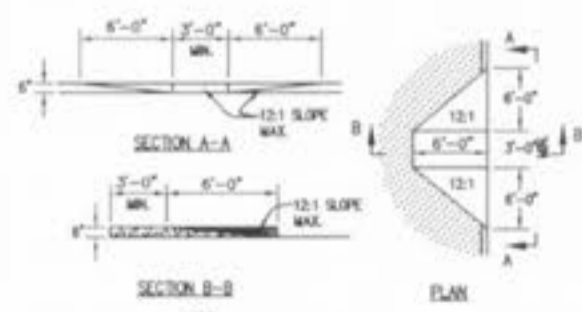
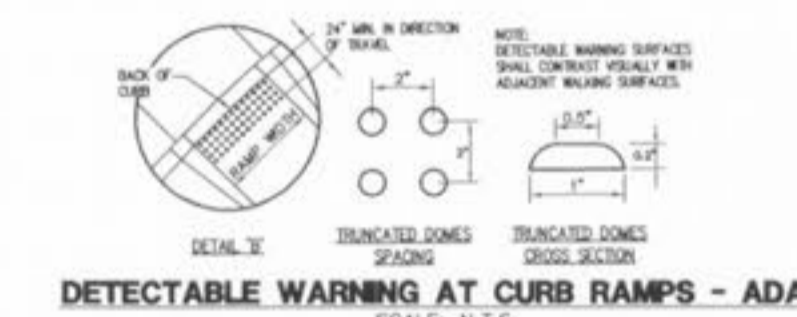
## LEGEND

EXISTING CONTOURS		450
PROPOSED CONTOURS		450
EXISTING SANITARY SEWERS		
EXISTING STORM SEWERS		
PROPOSED SANITARY SEWERS		
PROPOSED STORM SEWERS		
CENTERLINE		
EASEMENT		
CONCRETE PAVEMENT		
EXISTING TREES		
EXISTING SPOT ELEVATION		+ 598.10
PROPOSED SPOT ELEVATION		+ 598.10
SWALE		
TO BE REMOVED		TBR
TO BE REMOVED & RELOCATED		TBR & R
TO BE REMOVED & RELOCATED BY OTHERS		TBR & RBO
TO BE USED IN PLACE		UIP
BACK OF CURB		BC
FACE OF CURB		FC
ADJUST TO GRADE		ATG
GAS MAIN		G
WATER MAIN		W
FIRE HYDRANT		
POWER POLE		
TRAFFIC FLOW		

## INDEX

C1	TITLE / SPECIFICATION SHEET
C2	SPRINGHURST PARKWAY ROAD PLAN
C3	RIGHT TURN LANE - HIGHWAY N
C4	ROAD PROFILE / TYPICAL SECTIONS
C5	SEWER PROFILE & DETAILS
C6	STANDARD DETAILS
C7	DRAINAGE AREA MAP
C8	LANDSCAPE PLAN
C9	JOINTING and STRIPING PLAN
C10-C11	ROUTE N CROSS SECTIONS

RECEIVED  
MAY 23 2006  
ENGINEERING DEPARTMENT



## GENERAL NOTES:

- ALL UTILITIES SHOWN HAVE BEEN LOCATED BY THE ENGINEER FROM AVAILABLE RECORDS. THEIR LOCATION SHOULD BE CONSIDERED APPROXIMATE. THE CONTRACTOR HAS THE RESPONSIBILITY TO NOTIFY ALL UTILITY COMPANIES PRIOR TO CONSTRUCTION, TO HAVE EXISTING UTILITIES FIELD LOCATED.
- ALL ELEVATIONS ARE BASED ON U.S.G.S. DATUM.
- BOUNDARY AND TOPOGRAPHIC SURVEY BY OTHERS.
- ALL MATERIALS AND METHODS OF CONSTRUCTION TO MEET THE CURRENT STANDARDS AND SPECIFICATIONS OF THE CITY OF OFALLON & MODOOT.
- ALL GRADED AREAS SHALL BE PROTECTED FROM EROSION BY EROSION CONTROL DEVICES AND/OR SEEDING AND MULCHING AS REQUIRED BY THE CITY OF OFALLON, COUNTY OF ST. CHARLES & MODOOT.
- PRIOR TO BEGINNING ANY WORK ON THE SITE, THE CONTRACTOR SHALL CONTACT THE OFFICE OF THE DEVELOPER FOR SPECIFIC INSTRUCTIONS RELEVANT TO THE SEQUENCING OF WORK.
- GRADING CONTRACTOR SHALL INSTALL SILTATION CONTROL PRIOR TO STARTING THE GRADING. ADDITIONAL SILTATION CONTROL DEVICES SHALL BE INSTALLED PER THE CITY OF OFALLON COUNTY OF ST. CHARLES & MODOOT.
- ALL FILLS AND BACKFILLS SHALL BE MADE OF SELECTED EARTH MATERIALS, FREE FROM BROKEN MASONRY, ROCK, FROZEN EARTH, RUBBISH, ORGANIC MATERIAL, AND DEBRIS.
- GRADING CONTRACTOR SHALL KEEP EXISTING ROADWAYS CLEAN OF MUD AND DEBRIS AT ALL TIMES.
- PROPOSED CONTOURS SHOWN ARE FINISHED ELEVATIONS ON PAVED AREAS.
- NO GRADE SHALL EXCEED 3:1 SLOPE UNLESS NOTED OTHERWISE AND APPROVED BY GEOTECHNICAL ENGINEER.
- A GRADING PERMIT IS REQUIRED PRIOR TO ANY GRADING ON THE SITE. NO CHANGE IN WATERSHEDS SHALL BE PERMITTED.
- INTERIM STORMWATER DRAINAGE CONTROL IN THE FORM OF SILTATION CONTROL MEASURES ARE REQUIRED.
- THE DEVELOPER IS REQUIRED TO PROVIDE ADEQUATE STORMWATER SYSTEMS IN ACCORDANCE WITH THE CITY OF OFALLON & MODOOT.
- ALL STORMWATER SHALL BE DISCHARGED AT AN ADEQUATE NATURAL DISCHARGE POINT.
- ADEQUATE TEMPORARY OFF-STREET PARKING SHALL BE PROVIDED FOR CONSTRUCTION EMPLOYEES. PARKING ON NON-SURFACED AREAS SHALL BE PROHIBITED IN ORDER TO ELIMINATE THE CONDITION WHEREBY MUD FROM CONSTRUCTION AND EMPLOYEE VEHICLES IS TRACKED ONTO THE PAVEMENT CAUSING HAZARDOUS ROADWAY AND DRIVING CONDITIONS.
- THE OWNER SHALL, AT ALL TIMES, CONTAIN MUD AND OTHER SPILLS ON THIS SITE. NO VEHICLE, TRAILER OR CONSTRUCTION EQUIPMENT IS TO DEPOSIT MUD OR ANY OTHER MATERIAL ON PUBLIC STREETS. PROJECT WILL BE STOPPED IF STREETS ARE NOT CLEANED IMMEDIATELY.
- CONTRACTOR/DEVELOPER IS TO OBTAIN EXCAVATION PERMITS BEFORE CONSTRUCTING ANY IMPROVEMENTS LOCATED IN THE COUNTY OF ST. CHARLES OR MODOOT RIGHT-OF-WAY.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR/DEVELOPER TO PROVIDE TRAFFIC CONTROL PER M.U.T.C.D. & MODOOT.
- ALL FILL PLACED UNDER PROPOSED STORM AND SANITARY SEWER, PROPOSED ROADS, AND/OR PAVED AREAS SHALL BE COMPACTED TO 90% OF MAXIMUM DENSITY AS DETERMINED BY THE STANDARD PROCTOR TEST AASHTO T-99. ALL FILLED PLACES IN PROPOSED ROADS SHALL BE COMPACTED FROM THE BOTTOM OF THE FILL UP. ALL TESTS SHALL BE CONDUCTED BY A SOILS ENGINEER CONCURRENT WITH GRADING AND BACKFILLING OPERATIONS. ENSURE THE MOISTURE CONTENT OF THE SOIL IN FILL AREAS IS TO CORRESPOND TO THE COMPACTIVE EFFORT AS DEFINED BY THE STANDARD OR MODIFIED PROCTOR TEST. OPTIMUM MOISTURE CONTENT SHALL BE DETERMINED USING THE SAME TEST THAT WAS USED FOR COMPACTION. SOIL COMPACTION CURVES SHALL BE SUBMITTED TO THE CITY OF OFALLON PRIOR TO THE PLACEMENT OF FILL. PROOF ROLLING MAY BE REQUIRED TO VERIFY SOIL STABILITY AT THE DISCRETION OF THE CITY OF OFALLON.
- HEAVY BLACK U-CHANNEL POSTS WILL BE USED TO MOUNT SIGNAGE.
- STANDARD SUBDIVISION POST AND LIGHT WILL BE USED UNLESS ALTERNATE IS SUBMITTED AND APPROVED BY THE CITY.

## SILTATION NOTES

- Grading of the detention basins and installation of all perimeter sediment control shall be implemented as the first step of grading and within seven (7) days of grubbing and filling the site. Thereafter the site shall be stabilized and vegetated within 60 days of completion of paving.
- Inspection of siltation control devices shall take place once every seven days and within 24 hours of any rain event. Any siltation control in need of repair shall occur immediately.
- Any disturbed areas which will remain unworked for 30 days or more shall be stabilized with seeding and mulching per specifications. If seasonal conditions prevent seeding or mulching shall be used. See this sheet for application rates.
- All slopes or drainage channels, once constructed to final grade, shall be seeded and mulched per specifications within seven (7) days. Every effort shall be made to stabilize and vegetate these areas until the City Engineer or their representative has given final approval to them.
- Silt fences shall be installed immediately around each storm sewer structure once final construction of each individual structure is complete, and the City Engineer or their representative has given the City's approval.
- All siltation control devices shall remain in place until upslope areas have been permanently stabilized.
- These areas shall be mulched and tacked at a rate of 1000 pounds per 1,000 square feet when seeded.

### Siltation Control Schedule Implementation

- Perimeter siltation control and construction entrances to be installed.
- Grading, other than the placement of fill from off-site as permitted, to begin with detention basins which will serve as sediment ponds throughout the length of the project. Temporary weirs filled with coarse aggregate will be put in each end of the basins to filter the sediment out of the stormwater.
- Place straw bales in bottom of detention basin prior to each location of storm sewer discharge locations.
- Seed and mulch topsoil berm, once topsoil, has been stripped from site and placed per plans. Install straw bales in drainage channel between topsoil berm and detention basin.
- Begin placing aggregate base in parking areas once area has reached final grade to prevent erosion.
- Place silt fence around each storm sewer structure as it is completed.
- Immediately seed areas upon reaching final grade that are to be permanently seeded.

### Temporary Access Roads and Parking Area Specifications

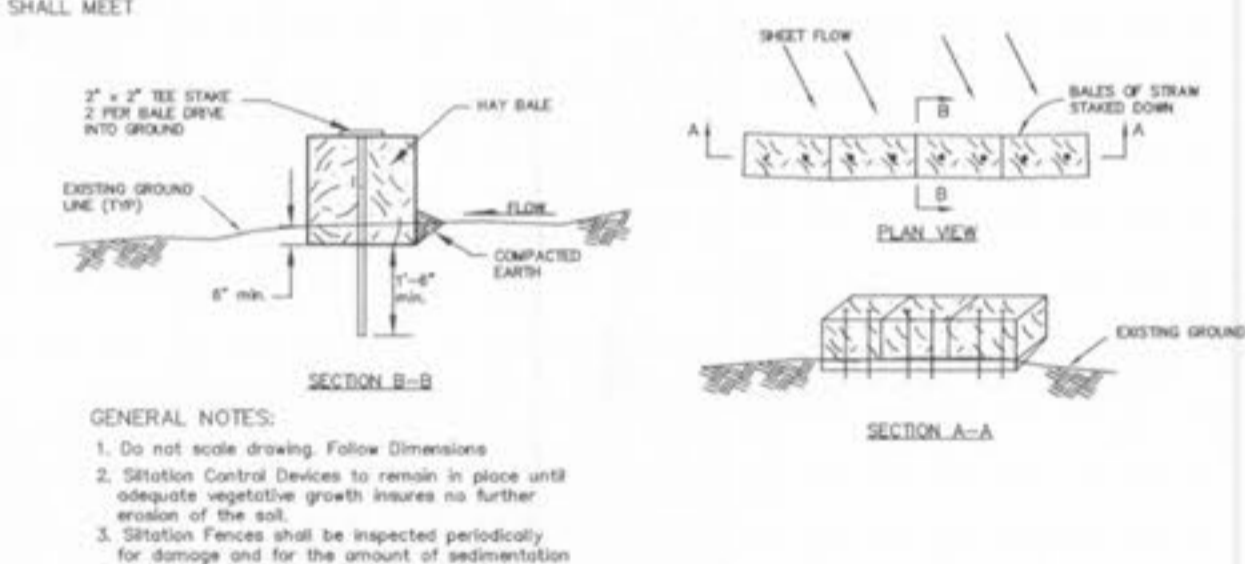
- Temporary roads shall follow the contour of the natural terrain to the extent possible. Slopes should not exceed 10 percent.
- Grades should be sufficient to provide drainage, but should not exceed 4 percent.
- Roadbeds shall be at least 24 feet wide.
- All cuts and fills shall be 3:1 or flatter.
- Drainage ditches shall be provided as needed.
- The roadbed or parking surface shall be cleared of all vegetation, roots and other objectionable material.
- A 10-inch course of 2" minus aggregate shall be applied immediately after grading or the completion of utility installation within the right-of-way. Filter fabric may be applied to the roadbed for additional stability in accordance with fabric manufacturer's specifications.

### Vegetation

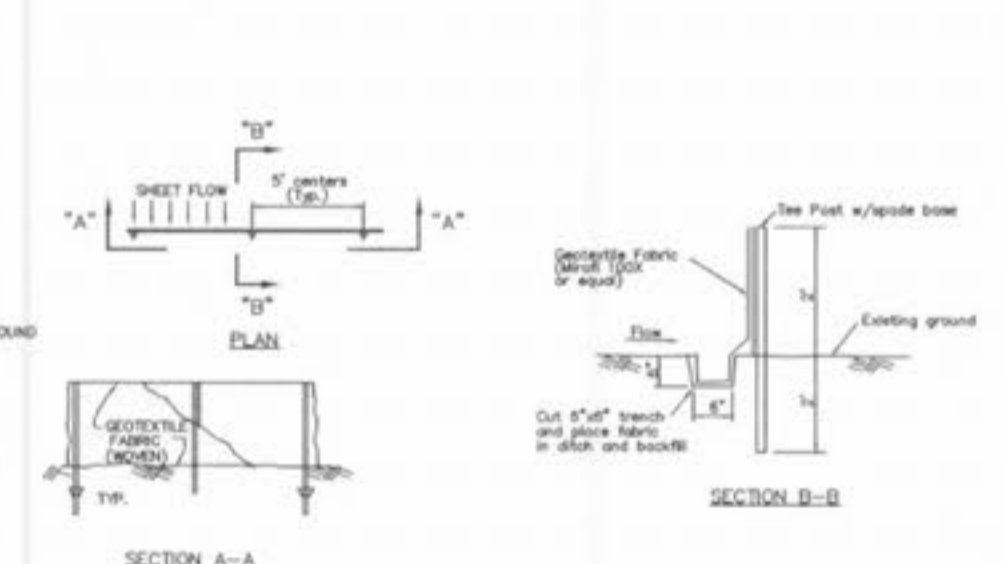
All roadside ditches, cuts, fills and disturbed areas adjacent to parking areas and roads shall be stabilized with appropriate temporary or permanent vegetation according to the applicable standards and specifications. The detention basin shall be seeded within 30 days of commencing its construction.

### Maintenance

Both temporary and permanent roads and parking areas may require periodic top dressing with new gravel. Seeded areas should be checked periodically to ensure that a vigorous stand of vegetation is maintained. Roadside ditches and other drainage structures should be checked regularly to ensure that they do not become clogged with silt or other debris.



### SILTATION CONTROL SILTFENCE DETAIL (N.T.S.)



- GENERAL NOTES:
- Do not scale drawing Follow Dimensions
  - Siltation Control Devices to remain in place until adequate vegetative growth insures no further erosion of the soil.
  - Siltation Fences shall be inspected periodically for damage and for the amount of sedimentation which has accumulated. Removal of sediment will be required when it reaches 1/2 of the height of the siltation fence.
  - Straw bales shall be inspected periodically for deterioration. Bales which have rotted or filled shall be replaced.
  - Attachment of Geotextile Fabric to be in accordance with the manufacturer's recommendation.

### HANGING FILE

FILE COPY  
APPROVED  
5-26-06  
Frank Godwin

- 05/02/2006 - REVISED PER CITY & MODOOT COMMENTS
- 04/07/2006 - REVISED PER CITY & MODOOT COMMENTS
- 02/23/2006 - REVISED PER CITY COMMENTS

## SPRINGHURST PARKWAY ROAD PLANS TITLE/SPECIFICATION SHEET

**STOCK & ASSOCIATES**  
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STATE OF MISSOURI  
REGISTERED PROFESSIONAL ENGINEER  
GEORGE MICHAEL STOCK  
NUMBER E-25116

DRAWN BY: A.C.D.	DATE: 12/14/05	CHECKED BY: D.P.B.	DATE: 12/14/05	JOB NUMBER: 205-3705	SHEET: C1 of 11
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O:\DRAWINGS\2053705\RoadPlans\ROAD PLANS 3705base.dwg  
May 05, 2006 - 10pm

STOCK AND ASSOCIATES CONSULTING ENGINEERS, INC. AND THE UNDERSIGNED ENGINEER HAVE NO RESPONSIBILITY FOR SERVICES PROVIDED BY OTHERS TO IMPLEMENT THE IMPROVEMENTS SHOWN ON THIS PLAN AND ALL OTHER DRAWINGS WHERE THE UNDERSIGNED ENGINEER'S SEAL APPEARS. THE CONSTRUCTION MEANS AND METHODS ARE THE SOLE RESPONSIBILITY OF THE OWNER AND CONTRACTOR. STOCK AND ASSOCIATES CONSULTING ENGINEERS, INC. HAS NO RESPONSIBILITY TO VERIFY FINAL IMPROVEMENTS AS SHOWN ON THIS PLAN UNLESS SPECIFICALLY ENGAGED AND AUTHORIZED TO DO SO BY THE OWNER OR CONTRACTOR.

MoDOT LOCATE (314) 340-4100  
(FIBER OPTICS MAY BE PRESENT)

UTILITY NOTE:  
UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS, RECORDS AND INFORMATION, AND THEREFORE DO NOT NECESSARILY REFLECT THE ACTUAL EXISTENCE, NON-EXISTENCE, SIZE, TYPE, NUMBER OR LOCATION OF THESE FACILITIES, STRUCTURES AND UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACTUAL LOCATION OF ALL UNDERGROUND FACILITIES, STRUCTURES, AND UTILITIES, EITHER SHOWN OR NOT SHOWN ON THESE PLANS. THE UNDERGROUND FACILITIES, STRUCTURES, AND UTILITIES SHALL BE LOCATED IN THE FIELD PRIOR TO ANY GRADING, EXCAVATION OR CONSTRUCTION OF IMPROVEMENTS. THESE PROVISIONS SHALL IN NO WAY ABSOLVE ANY PARTY FROM COMPLYING WITH THE UNDERGROUND FACILITY SAFETY AND DAMAGE PREVENTION ACT, CHAPTER 319 RSMo.