

## STORM WATER POLLUTION PREVENTION PLAN

### A. PURPOSE:

THE PURPOSE OF THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) IS TO INFORM THE DEVELOPER/CONTRACTOR OF THE FOLLOWING OBJECTIVES THEY ARE REQUIRED TO MEET:

- PREVENT EROSION WHERE CONSTRUCTION ACTIVITIES SHALL OCCUR.
- PREVENT POLLUTANTS FROM MIXING WITH STORM WATER.
- PREVENT POLLUTANTS FROM BEING DISCHARGED BY TRAPPING THEM ON-SITE, BEFORE THEY CAN AFFECT THE RECEIVING WATERS.
- ALL REGULATIONS OF MISSOURI DEPARTMENT OF NATURAL RESOURCES ARE MET.
- ALL REGULATIONS OF THE ENVIRONMENTAL PROTECTION AGENCY ARE MET.
- ALL REGULATIONS OF THE LOCAL MUNICIPALITY ARE MET.

### B. PROJECT DESCRIPTION:

THE PROJECT IS LOCATED IN THE MISSOURI RIVER TRIBUTARY WATERSHED IN ST. CHARLES COUNTY, MISSOURI. THE PROJECT DISTURBS APPROXIMATELY 9.8 ACRES.

THE PROJECT ACTIVITIES CONSIST OF SITE GRADING FOR A NEW APARTMENT COMPLEX. THE SITE WILL BE PROTECTED BY THE VARIOUS EROSION PROTECTION MEASURES LISTED BELOW:

- SILT SOXX:** THE ENTIRE PERIMETER OF THE PROJECT THAT ALLOWS STORM WATER TO EXIT WILL HAVE SILT SOXX INSTALLED. DETAILS OF THESE DEVICES ARE DEPICTED ON THE DETAIL PLANS PREPARED BY BAX ENGINEERING COMPANY, INC..
- STABILIZED CONSTRUCTION ENTRANCE:** A STABILIZED CONSTRUCTION ENTRANCE WILL BE INSTALLED AT THE SITE STAGING AREAS TO PREVENT SEDIMENT FROM BEING TRACKED ONTO PUBLIC ROADS. THE ENTRANCE SHALL CONSIST OF 2"-3" WASHED STONE 6" THICK. A DETAIL OF THE STABILIZED CONSTRUCTION ENTRANCE IS INCLUDED WITH THE GRADING PLANS.
- TEMPORARY SEDIMENT BASINS** WHERE INDICATED.
- REVEGETATION:** THE SITE WILL CONSIST OF VARYING GROUND SLOPES. UPON COMPLETION OF THE GRADING ACTIVITIES THE SLOPE PRONE TO EROSION WILL BE SEEDED AND STRAWED TO STABILIZE THE SLOPE AND PREVENT EROSION.

### C. MAINTENANCE AND INSPECTION:

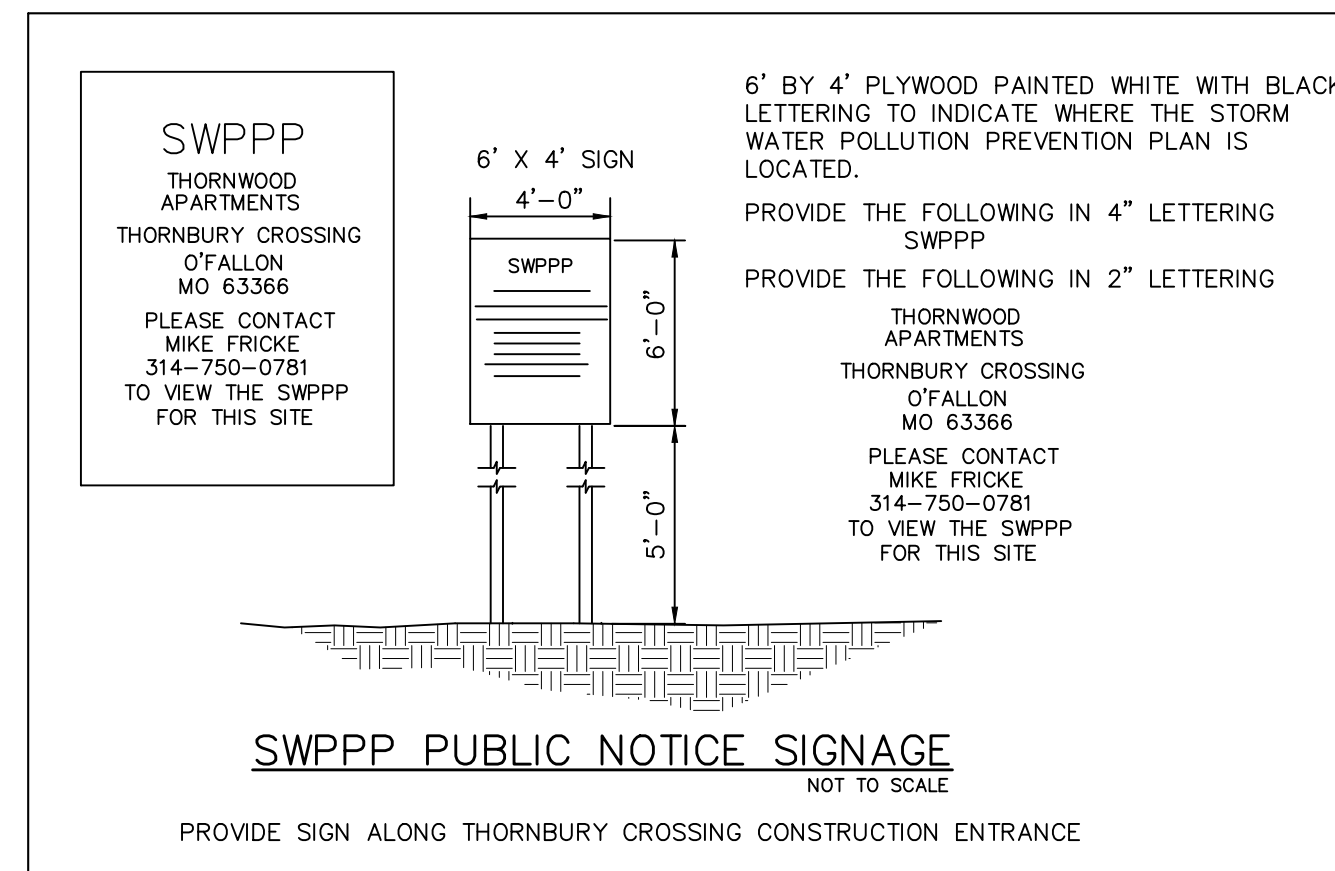
**REGULAR MAINTENANCE:** WEEKLY INSPECTIONS OF THE PROJECT WILL INCLUDE: (A) THE REPAIR OF ANY SEDIMENT (SILT) FENCE AND/OR STAKED STRAW BALE BARRIERS DAMAGED OR OUT OF PLACE; (B) THE REMOVAL OF ANY ACCUMULATED TRASH AND/OR DEBRIS; AND (C) THE REMOVE OF ANY EXTERNALLY DEPOSITED WASTE MATERIALS.

**PERIODIC INSPECTIONS:** FOLLOWING EACH RAIN OF MORE THAN 0.25 INCH IN 24 HOURS, THE SITE WILL BE INSPECTED, AND ANY NECESSARY MAINTENANCE WILL BE PROVIDED FOR A PERIOD OF ONE YEAR FOLLOWING THE COMPLETION OF THE ABOVE REMEDIATION MEASURES. SUMMARIES OF THE MAINTENANCE AND THE INSPECTIONS WILL BE MAINTAINED AND SHALL BE KEPT AVAILABLE FROM THE OWNER. AN INSPECTION REPORT SHALL BE FILED AND KEPT ON SITE FOR EVERY INSPECTION. THE REPORT SHALL DETAIL THE FINDINGS OF THE INSPECTION AND IF ANY ACTION WAS REQUIRED. THE INSPECTION FORM NEEDS TO INCLUDE, NAME OF THE SITE, NAME OF THE INSPECTOR, PERMIT NUMBER, DATE OF INSPECTION, MAJOR OBSERVATIONS AND ACTIONS TAKEN TO CORRECT PROBLEMS AND THE SIGNATURE OF THE INSPECTOR. THE INSPECTION REPORTS NEED TO BE KEPT ON FILE BY THE PERMITTEE FOR THREE YEARS AFTER THE PROJECT IS COMPLETED.

THE FIELD INSPECTIONS WILL BE CONDUCTED IN A SYSTEMATIC MANNER TO MINIMIZE THE POSSIBILITY OF ANY SIGNIFICANT FEATURE BEING OVERLOOKED. A DETAILED CHECKLIST WILL BE DEVELOPED AND FOLLOWED FOR THE EXAMINATION. PARTICULAR ATTENTION WILL BE GIVEN TO DETECTING EVIDENCE OF EROSION, SLOPE INSTABILITY, UNDUCE SETTLEMENT, DISPLACEMENT, AND TILTING. PHOTOGRAPHS AND DRAWINGS WILL BE USED FREELY TO RECORD CONDITIONS IN ORDER TO MINIMIZE DESCRIPTIONS. THE FIELD INSPECTION WILL INCLUDE APPROPRIATE FEATURES AND ITEMS, INCLUDING POTENTIAL HAZARDS TO HUMAN LIFE OR PROPERTY.

THE CONDITION OF THE SLOPES AND VEGETATIVE COVER WILL BE EVALUATED AND EXAMINED FOR EROSION.

MEASURES WILL BE TAKEN TO PROMOTE THE GROWTH OF VEGETATION AND REPAIR OF DAMAGE CAUSED BY EROSION AND SEDIMENTATION. THE INSPECTION WILL ALSO PROVIDE RECOMMENDATIONS FOR MEASURES THAT NEED TO BE UNDERTAKEN IMMEDIATELY, BASED ON THE EXPERIENCE AND JUDGMENT OF THE INSPECTOR. NECESSARY FOLLOW UP INSPECTIONS WILL BE MADE AS NECESSARY TO VERIFY THAT ANY MAINTENANCE, ALTERATION, OR REPAIR MEASURES ARE ACCOMPLISHED BY METHODS ACCEPTABLE BY STANDARD ENGINEERING PRACTICE.



### SPILL AND SITE POLLUTION:

SHOULD AN ACCIDENTAL SPILL OCCUR REFER TO MATERIAL SAFETY DATA SHEETS. ANY SPILLS OF HAZARDOUS MATERIALS IN QUANTITIES IN EXCESS OF REPORTABLE QUANTITIES AS DEFINED BY EPA OR THE STATE AGENCY REGULATIONS, SHALL BE IMMEDIATELY REPORTED TO THE EPA NATIONAL RESPONSE CENTER (800-424-8802) AND MISSOURI DEPARTMENT OF NATURAL RESOURCES (573-634-2436). REPORTABLE SPILLS FOR PETROLEUM PRODUCTS IS GREATER THAN 50 GALLONS. ALL OTHER REPORTABLE HAZARDOUS MATERIALS AND THEIR QUANTITIES MAY BE FOUND NOT HE WEB SITE AT HTTP://WWW.DNR.MO.GOV AN THE LOCAL NUMBER IS 573-840-9750. FEDERAL LAW REQUIRES THE RESPONSIBLE PARTY TO REPORT ANY RELEASE OF OIL IF IT REACHES OR THREATENS A SEWER, LAKE, CREEK, STREAM, RIVER, GROUNDWATER, WETLANDS, OR AREA LIKE A ROAD DITCH, THAT DRAINS INTO THE ABOVE.

AN EMERGENCY SPILL KIT IS REQUIRED TO BE ONSITE.

Table 60-5 Soil Stabilization Schedule

Soil Disturbance Activity or Condition	Required Stabilization Time
Soil disturbance has ceased in areas greater than 2,000 square feet.	14 days
After construction of dikes, swales, diversions, and other concentrated flow areas.	5 days
When slopes are steeper than 3 horizontal to 1 vertical.	7 days
When slopes are greater than 3% and longer than 150 feet.	14 days
Perimeter controls around soil stockpiles.	End of workday
Stabilization or covering of inactive stockpiles.	30 days
When land disturbance is completed, permanent soil stabilization must be installed.	30 days

## GENERAL NOTES

- UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE INFORMATION AND THEREFORE THEIR LOCATIONS SHALL BE CONSIDERED APPROXIMATE ONLY. THE VERIFICATION OF THE LOCATION OF ALL UNDERGROUND UTILITIES, EITHER SHOWN OR NOT SHOWN ON THESE PLANS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, AND SHALL BE LOCATED PRIOR TO ANY GRADING OR CONSTRUCTION OF THE IMPROVEMENTS.
- ALL TRENCH BACKFILLS UNDER PAVED AREAS SHALL BE GRANULAR BACKFILL, AND SHALL BE COMPACTED TO 90% OF THE MAXIMUM DENSITY AS DETERMINED BY THE "MODIFIED AASHTO T-180 COMPACTION TEST," (A.S.T.M.-D-1557). ALL OTHER TRENCH BACKFILLS MAY BE EARTH MATERIAL (FREE OF LARGE CLODS OR STONES). ALL TRENCH BACKFILLS SHALL BE WATER JETTED.
- NO AREA SHALL BE CLEARED WITHOUT THE PERMISSION OF THE PROJECT ENGINEER.
- ALL GRADES SHALL BE WITHIN 0.2 FEET OF THOSE SHOWN ON THE GRADING PLAN.
- NO SLOPE SHALL BE STEEPER THAN 3:1. ALL SLOPES SHALL BE SODDED OR SEEDED AND MULCHED.
- ALL CONSTRUCTION AND MATERIALS USED SHALL CONFORM TO CURRENT CITY OF O'FALLON STANDARDS.
- ALL MECHANICAL EQUIPMENT TO BE SCREENED FROM PUBLIC VIEW.
- PROPOSED BUILDINGS WILL COMPLY WITH CURRENT AMERICAN DISABILITY ACT REQUIREMENTS.
- SEE ARCHITECTURAL DRAWING FOR ALL BUILDING DIMENSIONS, SERVICE CONNECTIONS, DETAILS, ETC.
- ALL UTILITIES SHOWN ARE EXISTING UNLESS OTHERWISE NOTED. ALL NEW UTILITIES SHALL BE LOCATED UNDERGROUND.
- ALL DIMENSIONS ARE TO BACK OF CURB UNLESS OTHERWISE NOTED.
- ALL CONSTRUCTION METHODS AND PRACTICES SHALL CONFORM WITH CURRENT O.S.H.A. STANDARDS.
- ALL SIGNS ON THE SITE OR ANY STRUCTURE MUST HAVE SIGN PERMITS APPROVED BY THE CITY OF O'FALLON.
- EXTERIOR LIGHTING SHALL BE SHIELDED SO THAT ARTIFICIAL LIGHT INTENSITY AT THE PROPERTY LINE WILL NOT EXCEED 0.5 FOOT-CANDELES EXCEPT AS ALLOWED ALONG PUBLIC RIGHT-OF-WAYS.
- ALL NECESSARY UTILITIES (PUBLIC AND PRIVATE) WILL BE AVAILABLE, FUNCTIONING, AND USABLE AT THE TIME ANY STAGE OF THE PROJECT OR THE TOTAL PROJECT IS READY FOR OCCUPANCY.
- DEVELOPER MUST SUPPLY THE CITY CONSTRUCTION INSPECTORS WITH SOIL REPORTS PRIOR TO OR DURING SITE SOIL TESTING.
- ALL STORM SEWER PIPES SHALL BE GASKET O-RING TYPE.
- ALL WATER MAINS, VALVES, FITTINGS, HYDRANTS AND RELATED ITEMS ARE TO BE INSTALLED IN ACCORDANCE WITH THE CURRENT CITY OF O'FALLON GUIDELINES AND SPECIFICATIONS.
- FORTY-EIGHT (48) HOURS NOTICE SHALL BE GIVEN TO THE CITY ENGINEER BEFORE ANY STORM SEWER CONSTRUCTION IS TO BEGIN TO ALLOW SCHEDULING OF REQUIRED INSPECTIONS.
- ALL SIDEWALKS, CURB RAMPS, RAMPS AND ACCESSIBLE PARKING SPACES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CURRENT APPROVED "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES" (ADAAG) ALONG WITH THE REQUIRED GRADES, CONSTRUCTION MATERIALS, SPECIFICATIONS AND SIGNAGE. IF ANY CONFLICT ACOURSE BETWEEN THE ABOVE INFORMATION AND THE PLANS, THE ADAAG GUIDELINES SHALL TAKE PRECEDENCE AND THE CONTRACTOR PRIOR TO ANY CONSTRUCTION SHALL NOTIFY THE PROJECT ENGINEER. ENSURE AT LEAST ONE 8' WIDE HANDICAP ACCESS AISLE IS PROVIDED AND CURB RAMPS DO NOT PROJECT INTO HANDICAP ACCESS AISLES.
- STANDARD PAVEMENT DESIGN SHALL COMPLY WITH THE CITY OF O'FALLON SPECIFICATIONS.

## GRADING NOTES

- ALL FILL PLACED UNDER PROPOSED STORM AND SANITARY SEWER LINES AND/OR PAVED AREAS INCLUDING TRENCH BACKFILLS WITHIN AND OFF THE ROAD RIGHT-OF-WAY SHALL BE COMPACTED TO 90 PERCENT OF MAXIMUM DENSITY AS DETERMINED BY THE "MODIFIED AASHTO T-180 COMPACTION TEST" (ASTM D-1557). ALL TESTS SHALL BE VERIFIED BY A SOILS ENGINEER CONCURRENT WITH GRADING AND BACKFILLING OPERATIONS. ALL TEST RESULT REPORTS SHALL BE SENT TO THE CITY ENGINEER.
- ALL FILLED PLACES IN PROPOSED AND EXISTING ROADS SHALL BE COMPACTED FROM THE BOTTOM OF THE FILL UP TO 90 PERCENT MAXIMUM DENSITY AS DETERMINED BY THE "MODIFIED AASHTO T-180 COMPACTION TEST" (ASTM D-1557). PAVED AREAS IN CUTS SHALL MEET THE SAME COMPACTION REQUIREMENTS. ALL TESTS SHALL BE VERIFIED BY A SOILS ENGINEER CONCURRENT WITH GRADING OPERATIONS.
- ALL WELLS AND/OR SPRINGS WHICH MAY EXIST ON THIS PROPERTY SHOULD BE LOCATED AND SEALED IN A MANNER ACCEPTABLE TO THE CITY.
- ALL TRASH AND DEBRIS ON-SITE, EITHER EXISTING OR FROM CONSTRUCTION, MUST BE REMOVED AND PROPERLY DISPOSED OF OFF-SITE.
- SOFT SOILS IN THE BOTTOM AND BANKS OF ANY EXISTING OR FORMER POND SITES OR TRIBUTARIES OR ANY SEDIMENT BASINS OR TRAPS SHOULD BE REMOVED, SPREAD OUT AND PERMITTED TO DRY SUFFICIENTLY TO BE USED AS FILL. NONE OF THIS MATERIAL SHOULD BE PLACED IN PROPOSED PUBLIC RIGHT-OF-WAY LOCATIONS OR ON ANY STORM SEWER LOCATION.
- ALL EXCAVATIONS, GRADING OR FILLING SHALL HAVE A FINISHED GRADE NOT TO EXCEED A 3:1 SLOPE (33%).
- TEMPORARY SILTATION CONTROL MEASURES (STRUCTURAL) SHALL BE MAINTAINED UNTIL VEGETATIVE COVER IS ESTABLISHED AT A SUFFICIENT DENSITY TO PROVIDE EROSION CONTROL ON THE SITE.
- UPON COMPLETION OF STORM SEWERS, SILTATION CONTROL SHALL BE PROVIDED AROUND ALL OPEN SEWER INLETS AND SHALL REMAIN UNTIL THE DISTURBED DRAINAGE AREAS HAVE BEEN PROPERLY STABILIZED.
- WHERE NATURAL VEGETATION IS REMOVED DURING GRADING, VEGETATION SHALL BE RE-ESTABLISHED IN SUCH A DENSITY AS TO PREVENT EROSION.
- WHEN MECHANIZED LAND CLEARING ACTIVITIES ARE COMPLETED OR SUSPENDED FOR MORE THAN 14 DAYS, EITHER TEMPORARY VEGETATION MUST BE ESTABLISHED OR TEMPORARY SILTATION CONTROL MEASURES MUST BE PUT IN PLACE WITH THE REVIEW AND APPROVAL OF THE CITY ENGINEER.
- WHEN GRADING OPERATIONS ARE COMPLETED OR SUSPENDED FOR MORE THAN 14 DAYS, PERMANENT GRASS MUST BE ESTABLISHED AT SUFFICIENT DENSITY TO PROVIDE EROSION CONTROL ON THE SITE. BETWEEN PERMANENT GRASS SEEDING PERIODS, TEMPORARY COVER SHALL BE PROVIDED ACCORDING TO THE CITY ENGINEER'S RECOMMENDATION.
- ALL FINISHED GRADES (AREAS NOT TO BE DISTURBED BY FUTURE IMPROVEMENT) IN EXCESS OF 20 % SLOPES (5:1) SHALL BE MULCHED AND TACKED AT THE RATE OF 100 POUNDS PER 1,000 SQUARE FEET WHEN SEEDED.
- ALL LOTS SHALL BE SEEDED AND MULCHED AT THE MINIMUM RATES DEFINED IN APPENDIX "A" OF THE "MODEL SEDIMENT & EROSION CONTROL REGULATIONS" OR SODDED BEFORE AN OCCUPANCY PERMIT SHALL BE ISSUED EXCEPT THAT A TEMPORARY OCCUPANCY PERMIT MAY BE ISSUED BY THE BUILDING DEPARTMENT IN CASES OF UNDUCE HARDSHIP BECAUSE OF UNFAVORABLE GROUND CONDITIONS.
- CONTRACTOR TO SUPPLY CITY INSPECTOR WITH COPIES OF THE COMPACTION TEST REPORTS.

### VEGETATION ESTABLISHMENT For Urban Development Sites APPENDIX A

#### SEEDING RATES:

##### PERMANENT:

Tall Fescue - 150 lbs./ac.  
Smooth Brome - 100 lbs./ac.  
Combined - Fescue @ 75 lbs./ac. AND Brome @ 50 lbs./ac.

##### TEMPORARY:

Wheat or Rye - 150 lbs./ac. (3.5 lbs. per 1,000 s.f.)  
Oats - 120 lbs./ac. (2.75 lbs. per 1,000 s.f.)

#### SEEDING PERIODS:

Fescue or Brome - March 1 to June 1  
August 1 to October 1  
Wheat or Rye - March 15 to November 1  
Oats - March 15 to September 15

#### MULCH RATES:

100 lbs. per 1000 sq. ft. (4,356 lbs. per ac.)

#### FERTILIZER RATES:

Nitrogen 30 lbs./ac.  
Phosphate 30 lbs./ac.  
Potassium 30 lbs./ac.  
Lime 600 lbs./ac. ENM\*

\* ENM = effective neutralizing material as per State evaluation of quarried rock.

## SILT CONTROL NOTES

- THE CONTRACTOR SHALL ASSUME COMPLETE RESPONSIBILITY FOR CONTROLLING ALL SILTATION AND EROSION OF THE PROJECT AREA. THE CONTRACTOR SHALL USE WHATEVER MEANS NECESSARY TO CONTROL EROSION AND SILTATION INCLUDING, BUT NOT LIMITED TO, STAKED STRAW BALES AND/OR SILTATION FABRIC FENCES (POSSIBLE METHODS OF CONTROL ARE DETAILED IN THE PLAN). EROSION CONTROL SHALL COMMENCE WITH GRADING AND BE MAINTAINED THROUGHOUT THE PROJECT UNTIL ACCEPTANCE OF THE WORK BY THE OWNER AND/OR THE CITY OF O'FALLON. THE CONTRACTOR'S RESPONSIBILITIES INCLUDE ALL DESIGN AND IMPLEMENTATION AS REQUIRED TO PREVENT EROSION AND THE DEPOSITING OF SILT. THE OWNER AND/OR CITY OF ST. PETERS MAY, AT THEIR OPTION, DIRECT THE CONTRACTOR IN HIS METHODS AS DEEMED FIT TO PROTECT PROPERTY AND IMPROVEMENTS; ANY DEPOSITING OF SILTS OR MUD ONTO NEW OR EXISTING PAVEMENT OR IN NEW OR EXISTING STORM SEWERS OR SWALES SHALL BE REMOVED AFTER EACH RAIN AND AFFECTED AREAS CLEANED TO THE SATISFACTION OF THE OWNER AND/OR THE CITY OF O'FALLON.
  - PERIMETER SILTATION CONTROL SHALL BE INSTALLED PRIOR TO ANY LAND DISTURBANCE OF THE SITE.
  - INSPECTION OF SILTATION CONTROL DEVICES SHALL TAKE PLACE ONCE EVERY SEVEN DAYS AND WITHIN 24 HOURS OF ANY ONE (1) INCH PER 24 HOUR RAIN EVENT.
  - ANY SILTATION CONTROL IN NEED OF REPAIR SHALL BE FIXED IMMEDIATELY.
  - ALL SLOPES OR DRAINAGE CHANNELS, ONCE CONSTRUCTED TO FINAL GRADE, SHALL BE SEEDED AND MULCHED PER SPECIFICATIONS WITHIN SEVEN (7) DAYS.
  - SILT FENCES SHALL BE INSTALLED IMMEDIATELY AROUND EACH STORM SEWER STRUCTURE ONCE FINAL CONSTRUCTION OF EACH INDIVIDUAL STRUCTURE IS COMPLETE.
  - ALL SILTATION CONTROL DEVICES SHALL REMAIN IN PLACE UNTIL UPSLOPE AREAS HAVE BEEN PERMANENTLY STABILIZED.
- SCHEDULE IMPLEMENTATION
- PERIMETER SILTATION CONTROL AND CONSTRUCTION ENTRANCE WERE INSTALLED UNDER THE GRADING PERMIT. RECHECK CONTROL IN PLACE AND REPLACE AS REQUIRED.
  - BEGIN PLACING AGGREGATE BASE IN PROPOSED PAVED 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 THAT ARE TO BE PERMANENTLY SEEDED UPON REACHING FINAL GRADE.
- SILTATION CONTROL DEVICE MAINTENANCE
- SILT FENCE BARRIERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL.
  - CLOSE ATTENTION SHALL BE PAID TO THE REPAIR OF DAMAGED BALES, END RUNS AND UNDERCUTTING BENEATH BALES.
  - NECESSARY REPAIRS TO BARRIERS OR REPLACEMENT OF BALES SHALL BE ACCOMPLISHED PROMPTLY.
  - SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH RAINFALL. SEDIMENT DEPOSITS SHALL BE REMOVED WHEN THE LEVEL OF DEPOSITION REACHES APPROXIMATELY ONE-HALF THE HEIGHT OF THE BARRIER.
  - ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE SILT FENCE BARRIER IS NO LONGER REQUIRED SHALL BE DRESSED TO CONFORM TO THE EXISTING GRADE, PREPARED AND SEEDED.
- SILT FENCE SPECIFICATIONS
- SILT FENCE TO BE WOVEN GEOTEXTILE FABRIC MIRAFI 100X OR EQUAL.
  - FABRIC TO BE SUPPORTED BY METAL TEE POST WITH SPADE BASS SPACED ON 5' CENTERS WITH W6 X W6 / 10 X 10 GAGE WELDED WIRE FENCE.
  - FABRIC SHALL BE ENTRENCHED AND BACKFILLED. A TRENCH SHALL BE EXCAVATED A MINIMUM OF 6 INCHES DEEP FOR THE LENGTH OF THE FENCE.
  - THE EXCAVATED SOIL SHALL BE BACKFILLED AGAINST THE FENCE.
  - FENCE HEIGHT SHALL BE A MINIMUM OF 4 FEET IN HEIGHT, WITH THE FABRIC INSTALLED ON THE UPSTREAM SIDE.
  - SILT FENCES SHALL BE USED ONLY ON SHEET FLOW CONDITIONS (NOT CONCENTRATED FLOW CONDITIONS).
  - SILT FENCES SHALL BE INSTALLED AROUND ALL STORM SEWER STRUCTURES INFLOW AREAS.
  - CONTRACTOR HAS OPTION TO USE SILT SOXX USING A MINIMUM OF A 12" THICK SOXX ONSITE IN LIEU OF FENCING.

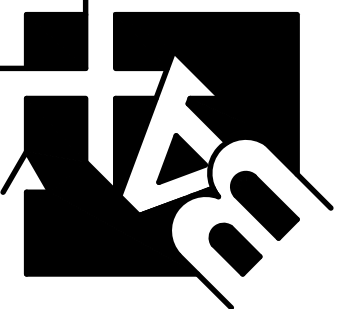
PROJECT TITLE:

THORNWOOD APARTMENTS  
THORNBUARY CROSSING DRIVE  
O'FALLON, MO 63366

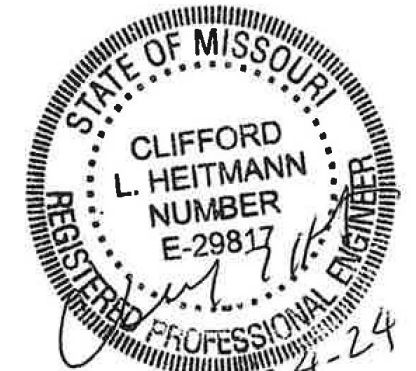
Bax Project # 23-18014 Issue Date: 5-10-24

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I hereby certify that the documents intended to be authenticated by my seal are limited to this sheet, and I hereby disclaim any responsibility for all other drawings, specifications, estimates, reports or other documents or instruments relating to or intended to be used for any part or parts of the architectural or engineering project or survey.



CLIFFORD L. HEITMANN  
Civil Engineer  
Engineers License E-29817

### REVISIONS

NO.	DATE	REVISION
07-25-24	CITY COMMENTS	
08-15-24	CITY COMMENTS	

Bax Engineering Company, Inc.  
Missouri State Certificate of Authority  
Engineering #000655  
Missouri State Certificate of Authority  
Surveying #000144

Developer / Owner:

MRS TROMBONE LLC  
100 WOODCHASE LANE  
CHESTERFIELD, MO 63071  
314-469-0029

CIVIL DEVELOPMENT NOTES

P+Z No. 23-010426

Approval Date: 1-4-24

City No. #

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