

# DARDENNE CREEK BLUEWAY TRAIL AND STREAM STABILIZATION PROJECT - SITE 2

## ST. CHARLES COUNTY, MISSOURI

**PROJECT TEAM**

**OWNER:**



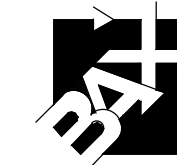
**ST. CHARLES COUNTY**  
 201 North Second Street  
 St. Charles, MO 63301  
 (636) 949-7535

**CIVIL ENGINEER:**



**INTUITION & LOGIC**  
 16253 Swingley Ridge Road - Suite 100  
 St. Louis, MO 63017  
 (636) 777-3000  
 License No. 2000152987

**SURVEYOR:**

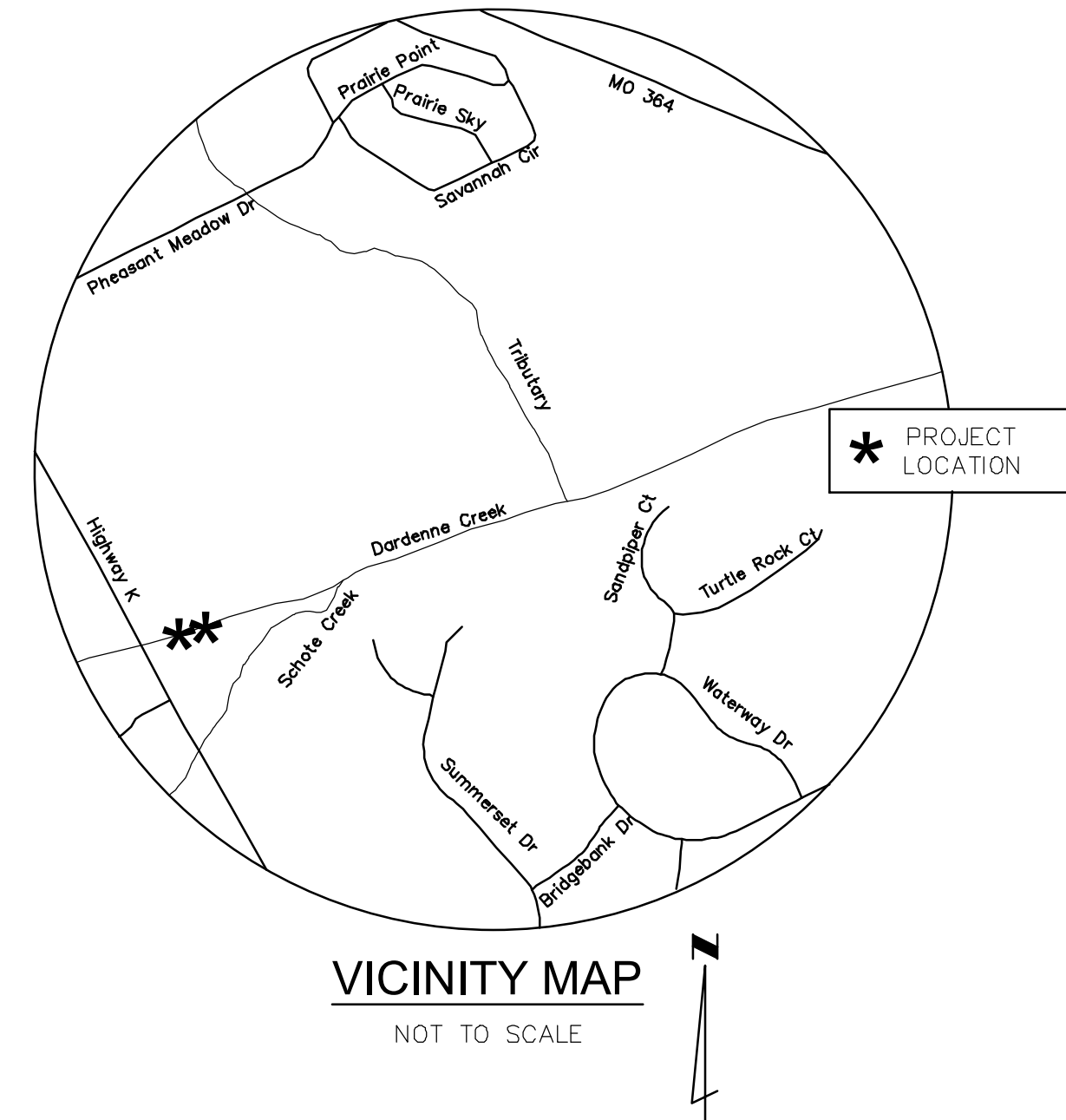


**BAX**  
 221 Point W Blvd  
 St. Charles, MO 63301  
 (636) 928-5552

**GEOTECHNICAL:**



**GEOTECHNOLOGY**  
 11816 Lackland Road - Suite 150  
 St. Louis, MO 63146  
 (314)-997-7440



St. Charles County  
 Community Development Department  
 Approval

\_\_\_\_\_  
 Planning and Zoning Director

\_\_\_\_\_  
 Development Review Director

\_\_\_\_\_  
 Date

This approval is based upon conformity with the regulations embodied in the Unified Development Ordinance and all standards contained or referenced therein, and does not relieve the engineer of responsibility for mathematical or design errors.

**ST. CHARLES COUNTY PROJECT NOTES**

- ALL FILLED PLACES UNDER PROPOSED STORM 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 FILLED PLACES IN PROPOSED AND EXISTING ST. CHARLES COUNTY ROADS (HIGHWAYS) 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.
- THE ST. CHARLES COUNTY PROJECT MANAGER SHALL BE NOTIFIED A MINIMUM OF 48 HOURS PRIOR TO THE COMMENCEMENT OF STREET, SEWER, AND/OR UTILITY CONSTRUCTION.
- DEBRIS AND FOUNDATION MATERIAL FROM ANY EXISTING ON-SITE BUILDING OR STRUCTURE WHICH IS SCHEDULED TO BE RAZED FOR THIS DEVELOPMENT MUST BE PROPERLY DISPOSED OF OFF-SITE.
- A PRE-CONSTRUCTION CONFERENCE MUST BE SCHEDULED WITH THE DIRECTOR OF DEVELOPMENT REVIEW AND PROJECT MANAGER PRIOR TO THE START OF EACH CONSTRUCTION PHASE OF LAND DISTURBANCE ACTIVITY. THE PERMITEE WILL BE RESPONSIBLE FOR NOTIFYING ALL CONTRACTORS, UTILITY CREWS, AND OTHER ENTITIES THAT WILL PERFORM WORK AT THE SITE TO BE IN ATTENDANCE.
- PLEASE NOTIFY THE EROSION CONTROL INSPECTOR OF THE COMMUNITY DEVELOPMENT DEPARTMENT A MINIMUM OF 48 HOURS PRIOR TO THE COMMENCEMENT OF CLEARING, GRADING, AND/OR PRIOR TO THE COMMENCEMENT OF CONSTRUCTION TO ARRANGE FOR AN INSPECTION OF THE SITE.
- WHEN GRADING OPERATIONS ARE COMPLETED OR SUSPENDED FOR MORE THAN 30 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 RECOMMENDATION OF THE DIRECTOR OF THE DIVISION OF DEVELOPMENT REVIEW. 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 CHAPTER 412, ARTICLE IV OF THE UNIFIED DEVELOPMENT ORDINANCE OR SODDED BEFORE AN OCCUPANCY PERMIT SHALL BE ISSUED EXCEPT THAT A TEMPORARY OCCUPANCY PERMIT MAY BE ISSUED BY THE BUILDING DIVISION OF THE COMMUNITY DEVELOPMENT DEPARTMENT IN CASES OF UNDUJE HARDSHIP BECAUSE OF UNFAVORABLE GROUND CONDITIONS.
- THE FOLLOWING PERMITS HAVE ALREADY BEEN APPROVED FOR THE PROJECT: 404 PERMIT, 401 PERMIT, FLOODPLAIN DEVELOPMENT AND LAND DISTURBANCE PERMITS.
- THE PROJECT IS APPROXIMATELY 0.61 ACRES, AND IS LOCATED IN TOWNSHIP 46 NORTH AND RANGE 3 EAST.
- THE FOLLOWING DESIGN STANDARDS WERE USED IN THE DEVELOPMENT OF THE PLANS: ST. CHARLES COUNTY DESIGN CRITERIA; ARMY CORPS OF ENGINEERS.
- ALL PORTLAND CEMENT CONCRETE FOR STREETS, SIDEWALKS, ENTRANCES, AND APPROACHES ON PROPOSED PUBLIC RIGHT-OF-WAY SHALL BE CONSTRUCTED IN COMPLIANCE WITH THE MOST CURRENT MIX DESIGN, INSPECTION, AND TESTING REQUIREMENTS AS APPROVED AND ADOPTED BY THE EASTERN MISSOURI PAVEMENT CONSORTIUM. DETAILS CAN BE OBTAINED AT WWW.EMPCPAVEMENT.ORG."

- THE CONTRACTOR SHALL OBTAIN A SPECIAL-USE PERMIT FROM THE ST. CHARLES COUNTY HIGHWAY DEPARTMENT BEFORE ANY APPROVED CONSTRUCTION MAY COMMENCE WITHIN COUNTY RIGHT-OF-WAY. CONTACT THE HIGHWAY DEPARTMENT, AT (636) 949-7305, CONCERNING INFORMATION REGARDING SPECIAL-USE PERMITS AND FEES.
- ALL PROJECT COORDINATES AND ELEVATIONS ARE BASED ON PROJECT BENCHMARKS AS LISTED BELOW. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RELOCATING EXISTING BENCHMARKS PRIOR TO CONSTRUCTION TO PREVENT RELOCATION DURING CONSTRUCTION.

PROJECT BENCHMARK: "E"  
 LARGE NAIL IN GRASS  
 ELEVATION = 480.53

PROJECT BENCHMARK: "F"  
 LARGE NAIL IN GRASS  
 ELEVATION = 475.63

PROJECT BENCHMARK: "G"  
 CROSS CUT IN CONCRETE  
 ELEVATION = 490.22

**CITY OF O'FALLON NOTES**

- CONSTRUCTION WORK SHALL ONLY BE ALLOWED DURING THE FOLLOWING HOURS: OCTOBER 1 - MAY 31 7:00 A.M. TO 7:00 P.M. MONDAY - SUNDAY JUNE 1 - SEPTEMBER 30 8:00 A.M. TO 8:00 P.M. MONDAY - FRIDAY 7:00 A.M. TO 8:00 P.M. SATURDAY AND SUNDAY CONSTRUCTION WORK TO BE DONE OUTSIDE OF THESE HOURS REQUIRES PRIOR WRITTEN APPROVAL FROM THE CITY ADMINISTRATOR OR CITY ENGINEER.

**INDEX**

SHEET NO.	DESCRIPTION
C-101 - C-102	COVER NOTES & ABBREVIATIONS EASEMENT AND ACCESS PLAN PLAN AND PROFILE DETAILS SWPPP SWPPP DETAILS PLANTING PLAN CROSS SECTIONS
C-201	
C-301	
C-401 - C-403	
C-501 - C-503	
C-504	
C-701	
C-801 - C-803	

Permits Obtained:  
 USACE 404 Permit - File Number: MVS-2023-432  
 THIS AREA IS SERVED BY THE FOLLOWING UTILITIES/AGENCIES:

<b>SANITARY:</b>	DUCKETT CREEK SANITARY SEWER 3550 HWY K O'FALLON, MO 63368 636-725-9454	<b>FIRE:</b>	COTLEVILLE FIRE PROTECTION DISTRICT 1385 MOTHERHEAD ROAD ST. CHARLES, MO 63304 636-447-8655
<b>WATER:</b>	ST. CHARLES COUNTRY PWSD 2 (636)-561-3737	<b>ELECTRIC:</b>	AMEREN MISSOURI (800)-778-9140
	MISSOURI AMERICAN WATER CO. (636)-441-1244	<b>GAS:</b>	SPIRE MO EAST (314)-706-2399
<b>TRANSPORTATION:</b>	MODOT ST. LOUIS DISTRICT (314)-275-1500	<b>COMMUNICATIONS:</b>	AT&T DISTRIBUTION (314)-275-0020  CHARTER COMMUNICATIONS (636)-232-1398

**APPROVED**

*Jeannie Greenlee*  
 City of O'Fallon

05/06/2024

Professional Engineer Seal  
 Timothy Patrick Dean - Engineer  
 MO# E-2008019536



Expiration Date: Dec. 31, 2024

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