

CHERRYWOOD PARC SUBDIVISION DETENTION BASIN IMPROVEMENT PLANS

PART OF SECTION 4, TOWNSHIP 46 NORTH, RANGE 3 EAST,
OF THE THIRD PRINCIPAL MERIDIAN IN THE
CITY OF O'FALLON,
ST. CHARLES COUNTY, MISSOURI

PROJECT NOTES / SPECIFICATIONS / INFORMATION

- THE TYPE, SIZE, AND LOCATION OF UTILITIES AS DELINEATED IN THESE TOPOGRAPHIC LAND SURVEY DOCUMENTS AND/OR CIVIL ENGINEERING DESIGN DOCUMENTS HAVE BEEN DETERMINED BY REVIEW OF AVAILABLE EXISTING "AS-BUILT" OR RECORD DRAWINGS. THE OWNER AND ENGINEER HAVE NOT UNDERTAKEN SUBSURFACE EXPLORATORY INVESTIGATIONS TO CONFIRM OR VERIFY THE UTILITIES SHOWN ON THESE DOCUMENTS. THEREFORE, THEIR EXACT LOCATION, SIZE AND FUNCTION MUST BE CONSIDERED APPROXIMATE AND MUST BE FIELD CONFIRMED BY THE CONTRACTOR.
- THE ENGINEER AND OWNER FURTHER DO NOT WARRANT THAT ALL UTILITIES HAVE BEEN ILLUSTRATED ON THESE DOCUMENTS. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR CONTACTING MISSOURI ONE CALL SYSTEM (1-800-DIG-RITE) FOR FIELD VERIFICATION OF ALL UTILITIES ON THE SITE PRIOR TO COMMENCEMENT OF CONSTRUCTION. IF THE CONTRACTOR DETERMINES THAT SUBSTANTIAL DISCREPANCY EXISTS BETWEEN FIELD VERIFIED UTILITIES AND THESE PLANS WHICH WOULD SIGNIFICANTLY AFFECT THE FUNCTION, COST, OR PERFORMANCE OF THE PROJECT, THE CONTRACTOR SHALL IMMEDIATELY CONTACT THE ENGINEER FOR CLARIFICATION AND PROJECT DIRECTION.
- IT IS NOT WARRANTED THAT THIS DOCUMENT CONTAINS COMPLETE INFORMATION REGARDING EASEMENTS, RESERVATIONS, RESTRICTIONS, RIGHTS-OF-WAY, BUILDING LINE SETBACKS, AND OTHER ENCUMBRANCES. FOR COMPLETE INFORMATION, A TITLE OPINION OR COMMITMENT FOR TITLE INSURANCE SHOULD BE OBTAINED AND THOROUGHLY REVIEWED.

CITY OF O'FALLON GENERAL NOTES

- NO SLOPES SHALL BE STEEPER THAN 3 (HORIZONTAL) TO 1 (VERTICAL) OR AS APPROVED BY A GEOTECHNICAL ENGINEER. DEVELOPER MUST SUPPLY CITY CONSTRUCTION INSPECTORS WITH SOIL REPORTS PRIOR TO AND DURING SITE SOIL TESTING. REFER TO SECTION 405.210(F) OF THE MUNICIPAL CODE OF THE CITY OF O'FALLON FOR REQUIREMENTS OF THE SOILS REPORT.
- 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 MODIFIED ASHTO T-199 COMPACTION TEST OR 95% OF MAXIMUM DENSITY AS DETERMINED BY THE STANDARD PROCTOR TEST ASHTO T-99. ALL FILL PLACED IN PROPOSED ROADS SHALL BE COMPACTED FROM THE BOTTOM OF THE FILL UP. ALL TESTS SHALL BE VERIFIED BY A SOILS ENGINEER CONCURRENT WITH GRADING AND BACKFILLING OPERATIONS AND SUPPLIED TO THE CITY OF O'FALLON IN A TIMELY MANNER.
- ALL LOW PLACES WHETHER ON-SITE OR OFF-SITE SHALL BE GRADED TO ALLOW DRAINAGE.
- GRADED AREAS SHALL BE SEEDED AND MULCHED (STRAWED) WITHIN FOURTEEN (14) DAYS OF STOPPING LAND DISTURBANCE ACTIVITIES. VEGETATIVE GROWTH SHALL BE ESTABLISHED WITHIN SIX (6) WEEKS OF GRADING WORK BEING STOPPED OR COMPLETED IN ANY AREA. VEGETATIVE GROWTH SHALL BE SUFFICIENT TO PREVENT EROSION (70% COVERAGE PER SQUARE FOOT) AS REQUIRED BY MDNR AND EPA. (ORDINANCE #5242 - SECTION 405.070)
- THE PERMITTEE SHALL ASSUME COMPLETE RESPONSIBILITY FOR CONTROLLING ALL SILTATION AND EROSION OF THE PROJECT AREA. THE PERMITTEE 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). CONTROL SHALL COMMENCE WITH THE CLEARING OPERATIONS AND BE MAINTAINED THROUGHOUT THE PROJECT UNTIL ACCEPTANCE OF THE WORK BY THE CITY OF O'FALLON AND AS NECESSARY BY MODOT. THE PERMITTEE'S RESPONSIBILITIES SHALL INCLUDE ALL DESIGN AND IMPLEMENTATION AS REQUIRED TO PREVENT EROSION AND THE DEPOSITING OF SILT. THE CITY OF O'FALLON AND AS REQUIRED BY MODOT MAY AT THEIR OPTION DIRECT THE PERMITTEE IN HIS METHODS AS DEEMED FIT TO PROTECT PROPERTY AND IMPROVEMENTS. ANY DEPOSITING OF SILT OR MUD ON NEW OR EXISTING PAVEMENT SHALL BE REMOVED IMMEDIATELY. ANY DEPOSITING OF SILTS OR MUD IN NEW OR EXISTING STORM SEWERS OR SWALES SHALL BE REMOVED AFTER EACH RAIN AND AFFECTED AREAS CLEANED TO THE SATISFACTION OF THE CITY OF O'FALLON AND AS REQUIRED BY MODOT.
- ALL EROSION CONTROL SYSTEMS ARE INSPECTED AND CORRECTED WEEKLY, ESPECIALLY WITHIN 48 HOURS OF ANY RAINSTORM RESULTING IN ONE-HALF INCH OF RAIN OR MORE. ANY SILT OR DEBRIS LEAVING THE SITE AND AFFECTING PUBLIC RIGHTS-OF-WAYS OR STORM WATER DRAINAGE FACILITIES SHALL BE CLEANED UP WITHIN 24 HOURS AFTER THE END OF THE STORM.
- THE CONTRACTOR IS RESPONSIBLE TO CALL MISSOURI ONE CALL AND THE CITY OF O'FALLON FOR THE LOCATION OF UTILITIES. CONTACT THE CITY OF O'FALLON (636) 379-3814 FOR THE LOCATION OF CITY MAINTAINED CABLE FOR STREET LIGHTS AND TRAFFIC SIGNALS. ALL OTHER UTILITIES CALL MISSOURI ONE CALL 1-800-DIG-RITE, 1-800-344-7483
- ALL CONSTRUCTION OPERATIONS AND WORK ZONE TRAFFIC CONTROL WITHIN THE RIGHT OF WAY WILL FOLLOW MODOT OR M.U.T.C.D. STANDARDS WHICHEVER IS MORE STRINGENT.
- EROSION CONTROL DEVICES (SILT FENCE, SEDIMENT BASIN, ETC.) SHALL BE IN ACCORDANCE WITH ST. CHARLES COUNTY SOIL AND WATER CONSERVATION DISTRICT EROSION AND SEDIMENT CONTROL GUIDELINES.
- THE SURFACE OF THE FILL SHALL BE FINISHED SO IT WILL NOT IMPOUND WATER. IF AT THE END OF A DAYS WORK IT WOULD APPEAR THAT THERE MAY BE RAIN PRIOR TO THE NEXT WORKING DAY, THE SURFACE SHALL BE FINISHED SMOOTH. IF THE SURFACE HAS BEEN FINISHED SMOOTH FOR ANY REASON, IT SHALL BE SCARIFIED BEFORE PROCEEDING WITH THE PLACEMENT OF SUCCEEDING LIFTS. FILL SHALL NOT BE PLACED ON FROZEN GROUND, NOR SHALL FILLING OPERATIONS CONTINUE WHEN THE TEMPERATURE IS SUCH AS TO PERMIT THE LAYER UNDER PLACEMENT TO FREEZE.
- WHEN GRADING OPERATIONS ARE COMPLETE OR SUSPENDED FOR MORE THAN 14 DAYS, PERMANENT GRASS MUST BE ESTABLISHED AT SUFFICIENT DENSITY TO PROVIDE EROSION CONTROL ON SITE. BETWEEN PERMANENT GRASS SEEDING PERIODS, TEMPORARY COVER SHALL BE PROVIDED ACCORDING TO ST. CHARLES SOIL AND WATER CONSERVATION DISTRICT - MODEL SEDIMENT AND EROSION CONTROL REGULATIONS. ALL FINISHED GRADES (AREAS NOT TO BE DISTURBED BY IMPROVEMENTS) IN EXCESS OF 20% SLOPES (5:1) SHALL BE MULCHED AND TACKED AT A RATE OF 100 POUNDS PER 1000 SQUARE FEET WHEN SEEDING.
- MATERIALS SUCH AS TREES, ORGANIC DEBRIS, RUBBLE, FOUNDATIONS AND OTHER DELETERIOUS MATERIAL THAT ARE NOT TO BE RE-USED, THEY SHALL BE REMOVED FROM THE SITE AND DISPOSED OF IN COMPLIANCE WITH ALL APPLICABLE LAWS AND REGULATIONS. IF THE MATERIALS LISTED PREVIOUSLY ARE REUSED, A LETTER FROM A SOILS ENGINEER MUST CLARIFY AMOUNT, LOCATION, DEPTH, ECT. AND BE APPROVED WITH THE CONSTRUCTION PLANS. LANDFILL TICKETS FOR SUCH DISPOSAL SHALL BE MAINTAINED ON FILE BY THE DEVELOPER. BURNING ON SITE SHALL BE ALLOWED ONLY BY PERMIT FROM THE LOCAL FIRE DISTRICT. IF A BURN PIT IS PROPOSED THE LOCATION AND MITIGATION SHALL BE SHOWN ON THE GRADING PLAN AND DOCUMENTED BY THE SOILS ENGINEER.
- TWENTY-FOUR (24) HOURS PRIOR TO STARTING ANY OF THE WORK COVERED BY THE ABOVE PLANS AND AFTER APPROVAL THEREOF, THE DEVELOPER SHALL MAKE ARRANGEMENTS WITH THE CONSTRUCTION INSPECTION OFFICE TO PROVIDE FOR INSPECTION OF THE WORK, SUFFICIENT IN THE OPINION OF THE CITY ENGINEER, TO ASSURE COMPLIANCE WITH THE PLANS AND SPECIFICATIONS AS APPROVED.
- THE CITY ENGINEER OR THEIR DULY AUTHORIZED REPRESENTATIVE SHALL MAKE ALL NECESSARY INSPECTIONS OF CITY INFRASTRUCTURE, ESCROW ITEMS OR INFRASTRUCTURE LOCATED ON THE APPROVED PLANS.
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ZONING CLASSIFICATION - R-1 PUD
WARD 2

CITY OF O'FALLON CONSTRUCTION WORKING HOURS
(CITY ORDINANCE 3429, CODE SECTION 500.420)
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
6:00 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.



LOCATION MAP

NOT TO SCALE

PROJECT LOCATION #1
SITE AREA = 2.6 AC
DISTURBED AREA = 0.5 AC

PROJECT LOCATION #2
SITE AREA = 0.8 AC
DISTURBED AREA = 0.0 AC

OWNER/DEVELOPER
CHERRYWOOD PARC HOA
C/O GRIER GROUP MANAGEMENT CO.
1400 ELBRIDGE PAYNE RD #120
CHESTERFIELD, MO 63017
PHONE: (636) 733-9021

ENGINEER/SURVEYOR
THOUVENOT, WADE, & MOERCHEN, INC.
400 NORTH 5TH STREET, SUITE 101
ST. CHARLES, MO 63301
PHONE: (636) 724-8300
PROFESSIONAL ENGINEER: ERIC L. ALLMON

F.E.M.A. FLOODWAY MAP NUMBER 29183C0239G ZONE X
EFFECTIVE DATE: JANUARY 20, 2016

LEGEND & ABBREVIATIONS

○	IRON PIPE FOUND	←	GUYWIRE	---	SHOREMAX TRANSITION MAT
●	IRON PIPE SET	⊗	LIGHTPOLE	---	VMAX SC250 TRM
+	STREET SIGN	○	TELEPHONE POLE	---	EXISTING CONCRETE SWALE
□	LIFT STATION	□	TELEPHONE RISER	---	CENTERLINE OF SWALE
⊙	MANHOLE	□	MAILBOX	---	FORCEMAIN LINE
○	CLEAN OUT	□	SHED	---	SANITARY SEWER LINE
⊗	WATER VALVE	*	FIR TREE	---	WATER LINE
⊗	FIRE HYDRANT	⊗	DECIDUOUS TREE	---	GAS LINE
⊗	WATER METER	⊗	BUSH OR SHRUB	---	FIBER OPTIC LINE
⊗	DOWNSPOUT	⊗	TREE LINE	---	UNDERGROUND ELECTRIC LINE
⊗	GAS VALVE	⊗	FENCE	---	UNDERGROUND TELEPHONE LINE
⊗	GAS METER	⊗		---	STORM SEWER LINE
⊗	POWER POLE	⊗		---	PROPOSED WATER MAIN
EX	EXISTING	⊗		---	PROPOSED STORM SEWER LINE
FES	FLARED END SECTION	⊗		---	PROPOSED SANITARY SEWER LINE
TBR	TO BE REMOVED	⊗		---	PROPOSED FIRE HYDRANT
TYP	TYPICAL	⊗		---	PROPOSED WATER VALVE
UIP	USE IN PLACE	⊗		---	PROPOSED MANHOLE
		⊗		---	PROPOSED OPEN-THROAT INLET
		⊗		---	PROPOSED JUNCTION BOX
		⊗		---	PROPOSED FLARED END SECTION

INDEX OF SHEETS

- COVER
- SITE PLAN PROJECT LOCATION #1
- SITE PLAN PROJECT LOCATION #2
- TRM DETAILS

BID ITEM SUMMARY

NO.	DESCRIPTION	QUANTITY	UNIT
1	Cleaning & Gouging	1	L.S.
2	Removal Of Improvements - Includes Sediment Removal	1	L.S.
3	Mitigation	1	L.S.
4	Seeding	0.75	AC
5	Soilfill	814	CY
6	Compacted Fill In Slope	415	CY
7	Misc. Erosion Control	1	L.S.
8	North American Green S.CORP - Turf Reinforcement Mat	1567	SY
9	North American Green S.H.DREHMAN - Transition Mat	270	SY
10	Contractor Furnished Supervision & Staffing	1	L.S.

LIST OF UTILITIES

TELEPHONE	- CENTURY TEL 1151 CENTURY TEL DR WENTZVILLE, MO 63385 636.332.7261	WATER	- PWS #2 P.O. BOX 967 O'FALLON, MO 63366 636.561.3737 EX 131
ELECTRIC	- AMEREN UE 200 CALLAHAN RD. WENTZVILLE, MO 63385 636.639.8312	SEWER	- DUCKETT CREEK SANITARY DIST. 3550 HIGHWAY K O'FALLON, MO 63368 636.441.1244
CABLE T.V.	- CHARTER COMMUNICATIONS 866.207.3663	GAS	- LACLEDE GAS 6400 GRAHAM RD ST. LOUIS, MO 63134 314.522.2297
STORM	- CITY OF O'FALLON 100 N. MAIN ST. O'FALLON, MO 63366 636.281.2858	MO ONE CALL	- 1.800.DIG.RITE
FIRE	- O'FALLON FIRE PROTECTION DISTRICT 119 E ELM ST O'FALLON, MO 63366 636.272.3493		

PLANNING AND ZONING COMMISSION REQUIREMENTS:
N/A - MAINTENANCE PROJECT

PLANNING AND DEVELOPMENT DIVISION FILE NUMBER - N/A
APPROVAL DATE - N/A

THOUVENOT,
WADE &
MOERCHEN, INC.
ENGINEERS ♦ SURVEYORS ♦ PLANNERS



□ CORPORATE OFFICE
4940 OLD COLLINSVILLE RD.
SWANSEA, ILLINOIS 62226
TEL (618) 624-4488
FAX (618) 624-6688

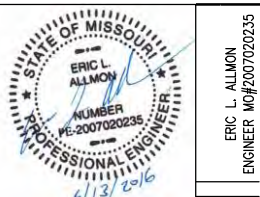
□ WATERLOO OFFICE
113 SOUTH MAIN STREET
WATERLOO, ILLINOIS 62298
TEL (618) 939-5050
FAX (618) 939-3938

□ EDWARDSVILLE OFFICE
600 COUNTRY CLUB VIEW, SUITE 1
EDWARDSVILLE, ILLINOIS 62025
TEL (618) 656-4040
FAX (618) 656-4343

□ ST. LOUIS OFFICE
720 OLIVE ST., SUITE 200A
ST. LOUIS, MISSOURI 63101
TEL (314) 241-6300
FAX (314) 241-2391

☒ ST. CHARLES OFFICE
400 N. 5TH STREET, SUITE 101
ST. CHARLES, MISSOURI 63301
TEL (636) 724-8300
FAX (636) 724-8304

PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-001220
PROFESSIONAL ENGINEERING CORP.	62-035370
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346



STATEMENT OF RESPONSIBILITY
I hereby confirm that the document herein to be authenticated by my seal is restricted 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 utilized for any other part of the architectural, engineering or survey project.

COVER

CHERRYWOOD PARC SUBDIVISION
DETENTION BASIN
IMPROVEMENT PLANS
CITY OF O'FALLON, MO

REV.	DATE	DESCRIPTION
1	5/13/16	REVISED PER CITY COMMENTS

DRAWN BY:	ELA	SHEET
DESIGNED BY: <td>ELA</td> <td>1</td>	ELA	1
CHECKED BY: <td>RSC</td> <td>OF 4 SHEETS</td>	RSC	OF 4 SHEETS
APPROVED BY: <td>ELA</td> <td>5/13/16</td>	ELA	5/13/16
PROJECT NUMBER	160113	

☒ ISSUED FOR REVIEW □ ISSUED FOR BIDDING
□ ISSUED FOR CONSTR. □ RECORD DRAWING

CITY FILE #16-003663
CITY PERMIT #GR16-000002