



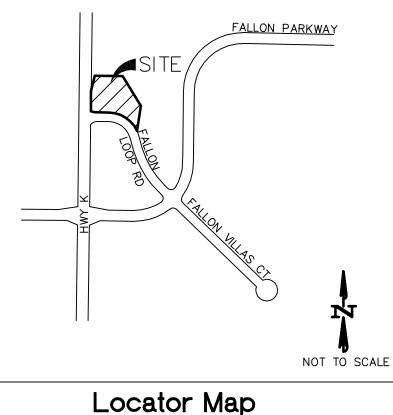
TOWNSHIP 46 NORTH, RANGE CITY OF O'FALLON ST. CHARLES COUNTY, MIS

# Conditions of Ap Planning a

PROVIDE BILLBOARD MAINTENA PROVIDE AN EXHIBIT THAT VER 2. ATAS 7.2-SILVERSMITH ON THE LIST MEETS CODE SECTION 400 PROVIDE ACCESS FROM THE BI AREA AS REVIEWED AND APPRO PLANS.

	DUCKETT CREEK SANITARY DISTRIC
1	Underground utilities have been plotted from available information
1.	The verification of the location of all underground utilities, either of the contractor and shall be located prior to any grading or contractor any gr
2.	Gas, water and other underground utilities shall not conflict with and storm sewers, including house laterals.
3.	All existing site improvements disturbed, damaged or destroyed conditions.
4.	All fill including places under proposed storm and sanitary sewe the road right-of-way shall be compacted to 90 percent of max Compaction Test (ASTM 01557)". All tests shall be verified operations. The compacted fill shall be free of rutting and sh compaction.
5.	The contractor shall prevent all storm, surface water, mud and system. The contractor will be required to install a brick bulkhea when connecting into existing sewers.
6.	All sanitary sewer flowlines and tops built without elevations fu contractor.
7.	It is the responsibility of the contractor to adjust all sanitary se grade.
8.	Easements shall be provided for all sanitary sewers, storm sew
9.	All sanitary sewer construction and materials shall conform to th District.
	<ol> <li>The Duckett Creek Sanitary District shall be notified at least 4</li> <li>All sanitary sewer building connections shall be designed so basement to the flowline of a sanitary sewer at the correspondir pipe plus the vertical distance of 2½ feet.</li> </ol>
12	<ol> <li>All sanitary sewer manholes shall be watertight in accordance CSR 20-8.120(6)(F) 1.</li> </ol>
13	8. All PVC sanitary sewer pipe shall conform to the requirement Chloride Sewer Pipe, SDR-35 or equal, with "clean" 1/2 inch to shall extend from 4 inches below the pipe to springline of pipe. In "minus" stone from springline of pipe to 6 inches above the to removed from excavation except as other material is specified. I materials shall not be used within 2 feet from top of pipe.
14	. All sanitary and storm sewer trench backfills shall be water jet
15	. All pipes shall have positive drainage through manholes. Flat ir
16	. Epoxy Coating shall be used on all sanitary sewer manholes th
17	. All creek crossings shall be lined with rip-rap as directed by Dis
18	. Brick shall not be used on sanitary sewer manholes.
19	Existing sanitary sewer service shall not be interrupted.
20	<ol> <li>Maintain access to existing residential driveways and streets.</li> </ol>
21	. Pre-manufactured adapters shall be used at all PVC to DIP allowed.
22	. Any permits, licenses, easements, or approvals required to responsibility of the developer.
23	. 'Type N' Lock-Type Cover and Locking Device (Lock-Lug) sha
24	All sanitary sewer system work shall be conducted under the in require inspection but the Distncts representative may design backfilled. All testing must be witnessed by the District's Inspe approved by the District. Testing shall include:
	<ul> <li>A mandrel test of all gravity sewers using a mandrel diameter. If the mandrel test fails on any section of p expansion devices will be allowed to be used to "force" in mandrel testing shall be removed after testing is com after final backfill.</li> </ul>
	<ul> <li>An air pressure test of all gravity sewers to a pressure of 5 minutes.</li> </ul>
	<ul> <li>A vacuum test of all manholes for a period of 1 minute a 9" of mercury at the end of the 1 minute test.</li> </ul>
F	VEGETATION ESTABLISHMENT For Urban Development Sites
SEEDING R	<u>APPENDÍX A</u> ATES:
PERMANEN	I <u>T:</u>
Tall F	escue — 150 lbs./ac. th Brome — 100 lbs./ac. ined — Fescue @ 75 lbs./ac, AND Brome @ 50 lbs./ac.

- Smo Coml Brome @ 50 lbs./ac.
- <u>TEMPORARY:</u> 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)
- <u>SEEDING PERIODS:</u> 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.



EXISTING LABELS

AREA INLET

GRATE INLET

MANHOLE

END PIPE

CLEAN OUT

SLOPE LIMITS

----- PROPOSED STORM SEWER

- SAWCUT LINE

CONCRETE PIPE

PROPOSED LABELS

SINGLE CURB INLET

DOUBLE CURB INLET

DOUBLE AREA INLET

DOUBLE GRATE INLET

FLARED END SECTION

REINFORCED CONCRETE PIPE

CORRUGATED METAL PIPE

CORRUGATED PLASTIC PIPE

POLY VINYL CHLORIDE (PLASTIC)

All installations and construction shall conform to the approved engineering drawings. However, if the developer chooses to make minor modifications in design and/or specifications during construction, they shall make such changes at their own risk, without any assurance that the City Engineer will approve the completed installation or construction. It shall be the responsibility of the developer to notify the City Engineer of any changes from

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EXIST. SINGLE CURB INLET
EXIST. AREA INLET
PROPOSED SINGLE CURB INLET
PROPOSED AREA INLET
PROPOSED GRATE INLET
EXIST. SANITARY MANHOLE
EXIST. STORM MANHOLE
PROPOSED MANHOLE
POWER POLE
GUY WIRE
LIGHT STANDARD
FIRE HYDRANT
WATER METER
WATER VALVE

GAS VALVE TELEPHONE PEDESTAL

SIGN TREE

LANS FOR			CAR WASH RD. RI 63368	Date: 12/11/2020
AR WASH	<u>Utility Contacts</u>	   ü		ssue Date:
ALL OF	<u>Sanitary Sewers</u> Duckett Creek Sanitary District		EXPRESS NN LOOP F N MISSOUF	) 1 1 1 1 1
PLAT TWO"	3550 Highway K O'Fallon, MO. 63368 636—441—1244	PROJECT TITLE	TOMMY'S EXPRESS 101 FALLON LOOP O'FALLON MISSOUI	Bax Project # 96-8791HIA Issue
311	<u>Water</u>	Ц Ц Д	MY'S ALLC	ject #
E 3 EAST	Public Water Supply District No. 2 P.O. Box 967 O'Eallon NO. 63366	H		ax Pro
	0'Fallon, MO. 63366 636-561-3737			<b> </b> ¤
SOURI	<u>Storm Sewer</u> City of O'Fallon 100 N. Main St. O'Fallon, MO. 63366 636-240-2000		ENGINEERING PLANNING SURVEYING 221 Point West Blvd. St. Charles, M0 63301 536-928-5552	928-1718 28-1718
	<u>Electric</u> Ameren Missouri			FAX 9
oproval From	200 Callahan Road Wentzville, MO. 63385 636-639-8312			
nd Zoning	<u>Gas</u>	-		
NCE AGREEMENT. FIES THE ITEM B: RIBBED PANEL:	Spire Gas 6400 Graham Road St. Louis, MO. 63134			
EXTERIOR ELEVATION'S MATERIAL .523(A)(3). https://ecode360.com/27636304 JILDING TO THE TRASH ENCLOSURE	314-522-2297 <u>Telephone</u>			
OVED ON THE CONSTRUCTION SITE	CenturyLink 1151 Century Tel Dr.	I hereby sp authenticate and I hereb	OF RESPONSIBILITY ecify that the documents inte ed by my seal are limited to y disclaim any responsibility pecifications, Estimates, Repo	this sheet, for all other
T CONSTRUCTION NOTES	Wentzville, MO. 63385 636-332-7261	documents be used for	or instruments relating to or any part or parts of the ar project or survey.	r intended to
on and therefore location shall be considered approximate only. r shown or not shown on these plans, shall be the responsibility nstruction of improvements.	<u>Fire District</u>			
the depth or horizontal location of existing or proposed sanitary d shall be repaired or replaced to closely match preconstruction	O'Fallon Fire Protection District 111 Laura K Dr. O'Fallon, MO. 63366			
er lines and paved areas including trench backfills within and off kimum density as determined by the "Modified AASHTO T-180 by a Soils Engineer concurrent with grading and backfilling	636-272-3493			
hall be non-yielding and non-pumping during proofrolling and d construction debris from entering the existing sanitary sewer ad on the downstream side of the first new manhole constructed	AS-BUILT LEGEND			
urnished by the engineer will be the responsibility of the sewer	<ul> <li>AS-BUILT STORM MANHOLE</li> <li>AS-BUILT CURB/GRATED INLET</li> </ul>			
ewer manholes (that are affected by the development) to finish	AB DENOTES AS-BUILT		REVISIONS	
vers and all utilities on the record plat. ne current construction standards of the Duckett Creek Sanitary	<ul> <li>AS-BUILT SANITARY MANHOLE</li> <li>AS-BUILT FIRE HYDRANT</li> </ul>	01/	04/21 COMMENTS PER	R CITY
8 hours prior to construction for coordination of inspection. • that the minimum vertical distance from the low point of the ng building connection shall not be less than the diameter of the	AS-BUILT WATER VALVE			
ce with Missouri Dept. of Natural Resources specification 10	AS-BUILT LIGHT STANDARD			
nts of ASTM D-3034 Standard Specification for PSM Polyvinyl o 1 inch granular stone bedding uniformly graded. This bedding mmediate backfill over pipe shall consist of same size "clean" or top of pipe. Final backfill material shall be of suitable material Debris, frozen material, large rocks or stones, or other unstable	••• AS-BUILT CLEANOUT			
tted. Granular backfill will be used under pavement areas. nvert structures not allowed. nat receive pressurized mains.			0	
strict inspectors.			OWLING	
	GRADING QUANTITIES:			
	,585 C.Y. CUT (INCLUDES SUBGRADES) ,345 C.Y. FILL (INCLUDES 8% SHRINKAGE)			
Ill be used where lock-type covers are required.	60 C.Y. SHORT HE ABOVE GRADING QUANTITY IS APPROXIMATE ONLY, NOT FOR		a C	
nale specific areas that must be inspecied before the worts	DDING PURPOSES. CONTRACTOR SHALL VERIFY QUANTITIES PRIOR CONSTRUCTION.		I 63131	
of 5 PSI with no observed drop in pressure during a test period		er:	ERPRISES IE MISSOURI	F
and the vacuum shall be 10 of mercury and may not drop below		Owner	т Ш Ш Ш Ш Ш Ш Ш Ш Ш Ш Ц	
ONE CALL S	CALL BEFORE YOU DIG!	- i	LAN LAN 1AC, 294	RH
	1-800-DIG-RITE		DOWLING 5 BRIDLE FRONTEN 314-614-42	
Total BEFORE	*FIBER OPTICS ARE PRESENT	evel	900 14-6	COVER
		ľď '	υνμο	Ū
	TY OF O'FALLON	P+Z N Appro		)-009654 7-19
ENGINE ACCEPTE	City N			
BY:_ Jeannie Dree	nleeDATE <u>01/11/2021</u>	Page		
	ONAL ENGINEER'S SEAL ESPONSIBILITY FOR DESIGN	_	1 of 16	5
J INDICATLS RE	JI UNJIDILITI I UN ULJIGIN	1		ן ת

LANDSCAPE LEGEND         VIY. (13) ~       INDICATES EASTERN REDBUD (MATURE HEIGHT = 20-30 FT TALL) (MIN. 4" CALIPER & 8' IN HEIGHT)         VII. (20) ~       INDICATES WINTERGREEN BOXWOOD (MATURE HEIGHT = 2-4 FT TALL)         VII. (14) ~       INDICATES WHITEPINE (MINIMUM HEIGHT = 6 FT TALL)         VII. (14) ~       INDICATES MORNING LIGHT TALL GRASS (MATURE HEIGHT = 4-6 FT TALL)	GRAPHIC SCALE $0   10   20$ $(IN FEET)$ $1   inch = 20   ft.$
<ul> <li>P.W.S.D. #2 NOTES</li> <li>1. It'S THE CONTRACTORS RESPONSIBILITY TO OBTAIN ANY CITY PERMITS REQUIRED TO WORK ALONG THE ROADWAYS</li> <li>2. THE WATER DISTRICT REQUIRES ONE (1) WEEK NOTICE BEFORE THE CONSTRUCTION.</li> <li>3. THE PROPOSED FIRE HYDRANT ASSEMBLY MUST BE TESTED PER TH DISTRICTS SPECIFICATIONS BEFORE IT WILL BE ALLOWED INTO SERV</li> <li>4. THE DEVELOPER WILL BE REQUIRED TO DEDICATE THE PROPOSED F HYDRANT BY WAY OF BILL OF SALE AFTER THE TESTING IS COMPL</li> </ul>	START OF HE WATER ICE. IRE ETE.
AB MANHOLE	HOLE AB MANHOLE TOP-532.58 AB MANHOLE TOP-532.66
TOP-532.65 AB CLEAN OUT TOP-532.66 AB CLEAN OUT TOP-532.71 AB CLEAN OUT TOP-532.62 AB CLEAN OUT TOP-532.49 AB CLEAN OUT TOP-532.49 AB CLEAN OUT TOP-532.46 WATER RE TANKS (U AB LIGHT STANDARD AB LIGHT STANDARD	AB MANHOLE TOP-532.70 AB CLEAN OUT TOP-532.63
DETAIL "A" SCALE 1"=10' AS-BUILT PUBLIC UTILITY FIN THE FOLLOWING UTILITIES HAVE BEEN LOCATED AND MEASURED AND THE F SET OF FINAL MEASUREMENT PLANS: • STORM SEWERS, STORM SEWER LENGTHS, STORM SEWER PIPE SIZES, ST STRUCTURES. • SANITARY SEWERS, SANITARY SEWER LENGTHS, SANITARY SEWER PIPE SANITARY SEWERS, SANITARY SEWER LENGTHS, SANITARY SEWER PIPE SANITARY SEWERS STRUCTURES. • FIRE HYDRANTS • WATER VALVES • LIGHT STANDARDS ALL PUBLIC UTILITIES SHOWN HEREON AS BEING AS-BUILT ARE	AL MEASUREMENTS ESULTS OF THOSE MEASUREMENTS ARE SHOWN ON THIS FORM SEWER FLOWLINES AND DEPTHS OF STORM SEWER SIZES, SANITARY SEWER FLOWLINES AND DEPTHS OF
LOCATED WITHIN DESIGNATED EXISTING OR PROPOSED EASEMENTS.	MARK E. COLLINS NUMBER PLS-2006000173
Image: Sanitary sewer manhole       BUSH         Image: Electric Box       R         Image: Telephone cable pedestal       B         Image: Telephone Box       O         Image: Telephone Box       O         Image: Telephone Box       Found Monument         Image: Telephone Box       O         Image: Telephone Box	
Image: Sign of the standard standar	ID UTILITIES, EITHER SHOWN OR NOT SHOWN ON THESE

