

ITEM NO.	ITEM	UNIT	QUANTITY
1	MOBILIZATION	L.S.	1
2	FINISH GRADE, SEED AND MULCH	S.Y.	1138
3	REMOVAL OF EXISTING IMPROVEMENTS	L.S.	1
4	CONCRETE SIDEWALK REPLACEMENT	S.Y.	16
5	ASPHALT PAVEMENT REPLACEMENT	S.Y.	24
6	GRAVEL DRIVEWAY REPLACEMENT	S.Y.	18
7	SAW CUT	L.F.	40
8	2" SERVICE SADDLE WITH VALVE	EA.	1
9	2" WATER SERVICE	L.F.	688
10	1" WATER SERVICE	L.F.	214
11	2" x 1" TEE	EA.	2
12	FROST PROOF YARD HYDRANT	EA.	2
13	FLUSHING HYDRANT	EA.	1
14	4" PVC ELECTRICAL CONDUIT W/ PULL STRING	L.F.	792
15	3' x 5' FIBERCRETE VAULT	EA.	2
16	PIPE BOLLARD	EA.	1
17	CONTRACTOR SURVEYING AND STAKING	L.S.	1
18	CONSTRUCTION AS-BUILT PLANS	L.S.	1

CITY OF COTTLEVILLE GRADING NOTES:

- Sediment and erosion control shall not be limited to the measures shown on the plans. The contractor, with the approval of the County Inspector, shall utilize best management practices to prevent sediment from entering adjacent properties, roadways, storm sewers, and drainageways.
- All filled places 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 95% percent of maximum density as determined by the "Standard Proctor Compaction Test" (ASTM D-698). All tests shall be verified by a Soils Engineer concurrent with grading and backfilling operations. See soils specifications.
- All filled places shall be compacted from the bottom of the fill up to 95% percent maximum density as determined by the "Standard Proctor Compaction Test" (ASTM D-698). Paved areas in cuts shall meet the same compaction requirements. All tests shall be verified by a Soils Engineer concurrent with grading operations. See soils specifications.
- All trash and debris on-site, either existing or from construction, must be removed and properly disposed of off-site.
- Please notify the City of Cottleville 48 hours prior to the commencement of grading and/or prior to the commencement of construction.
- 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.
- 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.

GENERAL NOTES:

- Underground utilities have been plotted from available information and therefore locations shall be considered approximate only. The verifications 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 improvements.
- All existing site improvements scheduled to remain that are disturbed, damaged or destroyed shall be repaired or replaced to closely match pre construction conditions.
- All fill, including places under proposed storm and sanitary sewer lines and paved areas within and off the road right-of-way shall be compacted to 95% of maximum density as determined by the "Standard Proctor Test" (ASTM D 698). All tests shall be verified by a Soils Engineer concurrent with grading and back filling operations. The compacted fill shall be free of rutting and shall be non-yielding and non-pumping during proof rolling and compaction.
- The contractor shall prevent all storm, surface water, mud and construction debris from entering the existing sanitary sewer system.
- All construction and materials shall conform to the current construction standards of the City of Cottleville.
- City of Cottleville shall be notified at least 48 hours prior to start of construction for coordination and inspection.
- Siltation control shall be provided around all open sewer inlet and shall remain until the disturbed drainage areas have been properly stabilized.
- The contractor is responsible for following the current Unified Development Ordinance Section 412 for the installation of sediment and erosion control devices as well as site inspections and providing all documentation of rainfall inspections as outlined in the ordinance to the County.
- Design plans and calculations for the proposed retaining walls and any required safety features must still be submitted to the City of Cottleville for their review and permit approval.

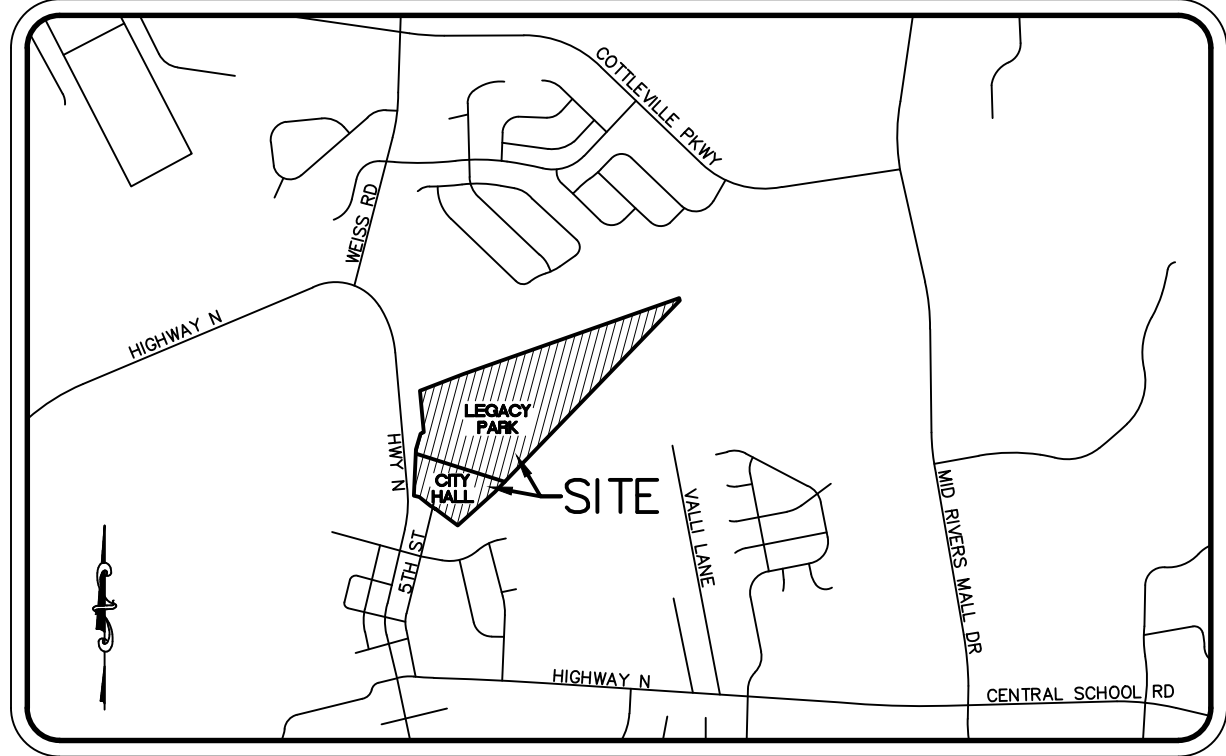


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*FIBER OPTICS MAYBE PRESENT

CONSTRUCTION PLANS FOR UTILITY EXTENSION AT LEGACY PARK IN THE CITY OF COTTLEVILLE

TRACTS OF LAND BEING PART OF US SURVEYS 1776, 304 AND PART OF
VACATED HIGHWAY N AND 1/2 VACATED ANIS STREET
TOWNSHIP 46 NORTH, RANGE 3 EAST
CITY OF COTTLEVILLE,
ST. CHARLES COUNTY, MISSOURI

BID SET
6-8-22



LOCATION MAP
NOT TO SCALE

CONTROL DATUM NOTES

PROJECT ELEVATIONS UTILIZE THE NAVD 88 VERTICAL DATUM AND WERE GENERATED BY GPS OBSERVATIONS USING A CELLULAR EQUIPPED TRIMBLE R8 GNSS ROVER AND TRIMBLE TSC3 DATA COLLECTOR AND ARE BASED ON THE MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION GLOBAL NAVIGATION SATELLITE REAL TIME NETWORK FOR CONTINUOUS OPERATING REFERENCE STATIONS.

REFERENCE BENCHMARK: THE OBSERVED VERTICAL CHECK STATION UTILIZED IS LISTED ON WWW.NGS.NOAA.GOV AS DESIGNATION "SC 05" WITH A PID OF AA8596 AND A PUBLISHED ELEVATION OF 526.00 (NAVD88).

LOCATED IN COTTLEVILLE, MO JUST NORTH OF THE ENTRANCE TO THE ST JOSEPH CATHOLIC CHURCH AND SCHOOL PARKING LOT ON THE WEST R/W OF MOTHERSHEAD RD. IT IS 44.94 FT (13.70 M) NE OF A NAIL AND SHINER ON THE SE SIDE OF A POWER POLE IN THE ISLAND BETWEEN THE ENTRANCE AND EXIT DRIVES FOR THE LOT, 65.67 FT (20.02 M) SOUTH OF A NAIL AND SHINER IN THE EAST SIDE OF A POWER POLE, 46.61 FT (14.21 M) NW OF A FIRE HYDRANT ON THE EAST SIDE OF MOTHERSHEAD RD., 20.3 FT (6.2 M) NE OF THE CENTER OF THE ENTRANCE DRIVE, 3.8 FT (1.2 M) NW OF THE BACK OF THE ASPHALT CURB AND 2 FT (0.6M) NE OF A CARSONITE WITNESS POST THE AZIMUTH MARK IS ABOUT 0.3 MILES (0.5 KM) EAST OF THE STATION ON THE NORTH R/W OF HWY N AT THE ENTRANCE TO THE ARCHIE OBERLAG RESIDENCE.

SITE BENCHMARK (NAVD 88) - "X" CUT IN SQUARE ON NORTHWEST CORNER OF CONCRETE TRANSFORMER PAD LOCATED SOUTH OF THE NORTH PARKING LOT OF SUBJECT PROPERTY, WEST OF PLAYGROUND EQUIPMENT, LOCATED AS SHOWN HEREON. (ELEVATION=473.15')



Mark E. Collins
Surveyor
MO PLS 2006000173

SHEET INDEX

1 COVER SHEET
2-3 PLAN SHEET

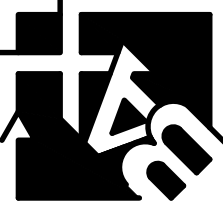
LEGEND

600.00	EXISTING LABELS
600.00	PROPOSED LABELS
FE	FLARED END SECTION
EP	END PIPE
CP	CONCRETE PIPE
RCP	REINFORCED CONCRETE PIPE
CMP	CORRUGATED METAL PIPE
CO	CLEAN OUT
TBA	TO BE ABANDONED
TBR	TO BE REMOVED
TBR&R	TO BE REMOVED AND REPLACED
TBR&REL	TO BE REMOVED AND RELOCATED
TBR&R-B.O.	TO BE REMOVED AND REPLACED BY OTHERS
TBR&REL-B.O.	TO BE REMOVED AND RELOCATED BY OTHERS
ATG	ADJUST TO GRADE
ATG-B.O.	ADJUST TO GRADE BY OTHERS
TCE	TEMPORARY CONSTRUCTION EASEMENT
PDE	PERMANENT DRAINAGE EASEMENT
.....	SLOPE LIMITS
- - - - -	DITCH LINE
←	DRAINAGE ARROW
— UGE —	EXISTING UNDERGROUND ELECTRIC
— OHW —	EXISTING OVERHEAD ELECTRIC
— T —	EXISTING TELEPHONE LINE
— STM —	EXISTING STORM SEWER LINE
— SAN —	EXISTING SANITARY SEWER LINE
=====	PROPOSED STORM SEWER
— — — — —	PROPOSED RIGHT-OF-WAY LINE
— — — — —	EXISTING RIGHT-OF-WAY LINE
- - - - -	TEMPORARY CONSTRUCTION EASEMENT
- - - - -	PERMANENT DRAINAGE EASEMENT
- - - - -	PERMANENT SIGHT DISTANCE EASEMENT
— X — X —	FENCE LINE
⊙	FIBER OPTIC MARKER
⊕	POWER POLE
●	GUY WIRE
⊙	LIGHT STANDARD
□	TELEPHONE PEDESTAL
⊕	SIGN
⊕	TREE

UTILITIES:

- ELECTRIC: AMEREN UE
200 NORTH CALLAHAN RD.
WENTZVILLE, MO 63385
CONTACT: RANDY HUNT
(636) 639-8306
rhunt@ameren.com
- TELEPHONE: AT&T
402 N. THIRD STREET
ST. CHARLES, MO 63301
(636) 255-2108
CONTACT: KATHY SMITH
ks5340@att.com
- GAS: SPIRE GAS
6400 GRAHAM RD.
BERKELEY, MO 63134
(816) 472-3489
CONTACT: RICHARD FROCK
richard.frock@spireenergy.com
- WATER: MISSOURI AMERICAN WATER CO.
727 CRAIG RD.
ST. LOUIS, MO 63141
(636) 922-9164
CONTACT: SCOTT BREWER
scott.brewer@amwater.com
- CABLE: CHARTER COMMUNICATIONS
941 CHARTER COMMONS
TOWN & COUNTRY, MO 63017
(636) 262-0395
CONTACT: JOHN DANOWSKI
John.danowski@chartercom.com
- SANITARY: DUCKETT CREEK SANITARY DISTRICT
3550 HIGHWAY K
O'FALLON, MO 63368
(636) 441-1244
CONTACT: MIKE MERKT
Merkt@duckettcreek.com

BAX ENGINEERING CO., INC.
221 Point West Blvd.
St. Charles, MO 63301
Phone: 636-928-5552
Fax: 636-928-1718



Missouri State Certificate of Authority: Engineering #08045
Missouri State Certificate of Authority: Surveying #00144

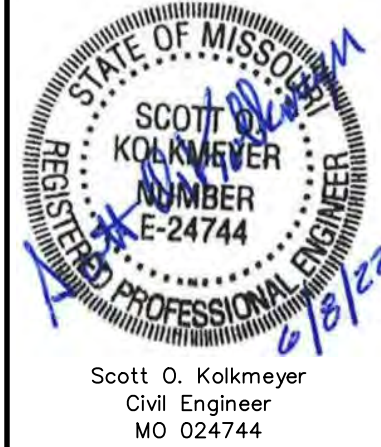
PROJECT NAME:
UTILITY EXTENSION AT
LEGACY PARK
IN THE CITY OF COTTLEVILLE
5490 FIFTH STREET
COTTLEVILLE, MO, 63304
PROJECT NO.: 21-18446
DATE: 01/10/2022

PREPARED FOR:
CITY OF COTTLEVILLE
5490 FIFTH STREET
COTTLEVILLE, MO, 63304

REVISIONS

DATE	DESCRIPTION
6/08/22	BID SET

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Scott O. Kolkmeier
Civil Engineer
MO 024744


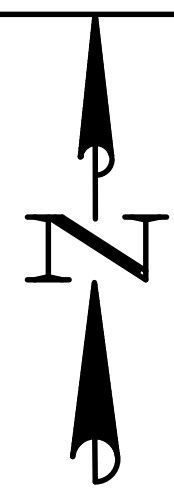
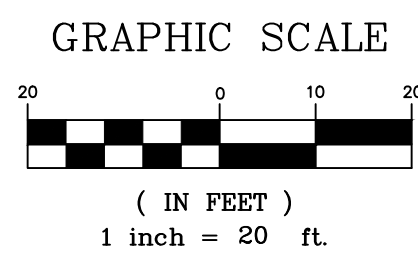
COVER SHEET

SHEET
1 OF 3



1. ALL CONDUIT AND PULL BOXES SHALL MEET THE REQUIREMENTS OF AMEREN CORPORATION.
2. CONTRACTOR SHALL PROVIDE A SET OF HAND MARKED RECORD DRAWINGS AT THE COMPLETION OF THE PROJECT INDICATING AS-BUILT CONDITIONS. THE HAND MARKED DRAWINGS SHALL BE CLEARLY LEGIBLE AND SHALL BE MARKED IN RED.
3. CONTRACTOR SHALL LOCATE ALL EXISTING UTILITIES PRIOR TO START OF EXCAVATION. DAMAGE TO EXISTING UNDERGROUND UTILITIES RESULTING FROM A FAILURE TO LOCATE UTILITIES SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
4. CONTRACTOR SHALL INSTALL TRACEABLE UNDERGROUND MARKING TAPE 18" BELOW GRADE ABOVE ALL UNDERGROUND CONDUITS.

NOTE: 100 YEAR BASE FLOOD ELEVATION \approx 473.8
PER FEMA FLOOD INSURANCE RATE MAP



PROJECT NAME: UTILITY EXTENSION AT
LEGACY PARK
IN THE CITY OF COTTLEVILLE
5490 FIFTH STREET
COTTLEVILLE, ST. CHARLES COUNTY, MO, 63304
636-498-6565
PROJECT NO.: 21-18446
DATE: 01/10/2022

PREPARED FOR:
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COTTLEVILLE, MO, 63304

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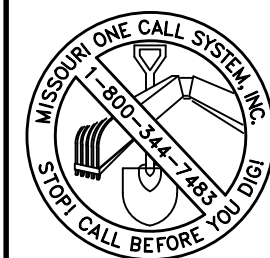
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PLAN SHEET

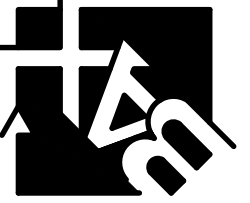
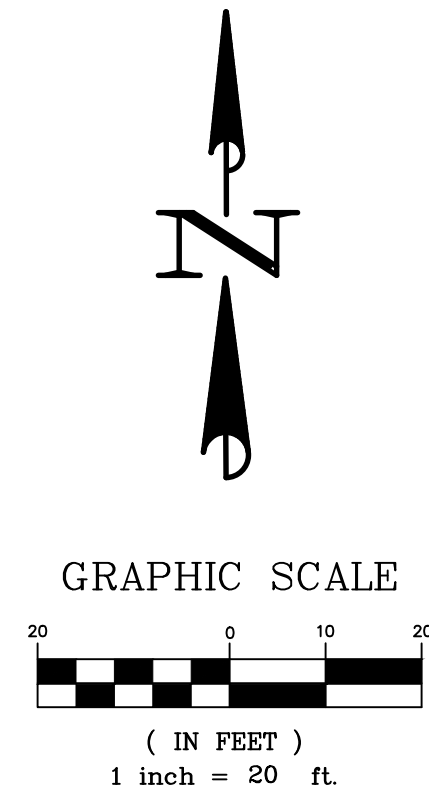
SHEET
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221 Point West Blvd.
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Fax: 636-928-1718

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