



Eric Byrd - Engineer  
Missouri #PE-2018013633

# ACI BOLAND ARCHITECTS

1710 Wyandotte  
Kansas City, MO 64108  
T: 816.763.9600

ACI/Boland, Inc.  
Kansas City | St. Louis  
Licensee's Certificate of Authority Number:  
Missouri: #000958

## CIVIL CONSULTANT

BHC  
7101 College Blvd., Suite 400  
Overland Park, KS 66210  
(913) 663-1900

## STRUCTURAL CONSULTANT

Bob D. Campbell & Co.  
4338 Bellevue  
Kansas City, MO 64111  
(816) 531-4144

## MEP CONSULTANT

Branch Pattern  
1508 Grand Boulevard  
Kansas City, MO 64108  
(816) 531-2121

Surgery Center of Lee's Summit  
1950 SE Shenandoah Drive  
Lee's Summit, MO 64063

Date	01/13/23
Job Number	3-22030
Drawn By	TS
Checked By	EB

Number	Date	Description
1	2/14/23	Addendum 1
2	3/2/23	Addendum 3

C5.0

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UTILITY PLAN

### UTILITY CONSTRUCTION NOTES

- W - WATER SERVICE INFORMATION - CITY OF LEE'S SUMMIT**
- 01 EXISTING 12" WATER MAIN
  - 02 EXISTING 20" WATER MAIN
  - 03 CONNECT TO WATER MAIN WITH 12"x6" TEE AND 6" GATE VALVE
  - 04 INSTALL 2 LF OF 6" C900 PVC FIRE PROTECTION LINE WITH MINIMUM DEPTH OF COVER OF 48"
  - 05 INSTALL 6" DOUBLE CHECK DETECTOR ASSEMBLY IN CONCRETE VAULT; SEE DETAIL ON DETAIL SHEETS VAULT SUMP TO INCLUDE 2-FOOT DIAMETER HOLE LINED WITH FILTER FABRIC AND FILL WITH CLEAN 3/4-INCH ROCK.
  - 06 INSTALL 290 LF OF 6" C900 PVC FIRE PROTECTION LINE WITH MINIMUM DEPTH OF COVER OF 48"
  - 07 CONNECT FIRE PROTECTION LINE TO BUILDING PLUMBING; SEE MEP PLANS
  - 08 INSTALL 6"x6" TEE.
  - 09 INSTALL 52 LF OF 6" C900 PVC FIRE PROTECTION LINE WITH MINIMUM DEPTH OF COVER OF 48"
  - 10 INSTALL FIRE HYDRANT ASSEMBLY

- 11 CONNECT TO WATER MAIN WITH 2" CORPORATION STOP; REFER TO SERVICE CONNECTION DETAIL
- 12 INSTALL 2 LF OF 2" TYPE K COPPER DOMESTIC SERVICE LINE WITH MINIMUM DEPTH OF COVER OF 48"
- 13 INSTALL 2" DOMESTIC WATER METER IN PIT
- 14 INSTALL 10 LF OF 2" TYPE K COPPER DOMESTIC SERVICE LINE WITH MINIMUM DEPTH OF COVER OF 48"
- 15 INSTALL 2"x4" REDUCER
- 16 INSTALL 290 LF OF 4" C900 PVC DOMESTIC SERVICE LINE WITH MINIMUM DEPTH OF COVER OF 48"
- 17 CONNECT DOMESTIC SERVICE LINE TO BUILDING PLUMBING; SEE MEP PLANS
- 18 FIRE DEPARTMENT CONNECTION

- E - ELECTRIC SERVICE INFORMATION - EVERGY**
- 01 CONTRACTOR TO INSTALL PRIMARY UNDERGROUND ELECTRIC SERVICE FROM ELECTRIC STRUCTURE TO TRANSFORMER PAD; COORDINATE WITH EVERGY
  - 02 PROPOSED TRANSFORMER PAD
  - 03 CONTRACTOR TO INSTALL SECONDARY UNDERGROUND ELECTRIC SERVICE LINE FROM PROPOSED TRANSFORMER TO BUILDING; REF. ELECTRICAL PLAN
  - 04 PROPOSED CHILLER; REF. ELECTRICAL PLAN
  - 05 PROPOSED BACKUP GENERATOR; REF. ELECTRICAL PLAN

- G - GAS SERVICE INFORMATION - SPIRE**
- 01 CONNECT TO EXISTING GAS MAIN FOR SERVICE LINE; COORDINATE W/ SPIRE
  - 02 INSTALL 350 LF GAS SERVICE LINE
  - 03 PROPOSED METER & GAS CONNECTION TO BLDG.; RE: PLUMBING PLAN

- ST - STORM SEWER INFORMATION - CITY OF LEE'S SUMMIT**
- 01 STORM SEWER LINE 100; RE: SHEET C6.1
  - 02 STORM SEWER LINE 200; RE: SHEET C6.1
  - 03 STORM SEWER LINE 300; RE: SHEET C6.2
  - 04 STORM SEWER LINE 400; RE: SHEET C6.2
  - 05 STORM SEWER LINE 500; RE: SHEET C6.2
  - 06 EXTENDED DRY DETENTION BASIN
  - 07 CONNECT TO ROOF DRAIN LINE
  - 08 INSTALL 10 LF OF 4" HDPE ROOF DRAIN LINE; CONNECT TO DRAIN BASIN; FL = 1000.50
  - 09 INSTALL 90 LF OF 4" HDPE ROOF DRAIN LINE; CONNECT TO CURB INLET; FL = 999.75
  - 10 INSTALL 75 LF OF 4" HDPE ROOF DRAIN LINE; CONNECT TO DRAIN BASIN; FL = 1000.00
  - 11 CONNECT TO DOWNSPOUT

- SS - SANITARY SEWER INFORMATION - CITY OF LEE'S SUMMIT**
- 01 8" SANITARY MAIN LINE INSTALLED BY SEPARATE SET OF PLANS
  - 02 PROPOSED 8"x6" PVC WYE CONNECTION; MAIN FL = 985.62; SERVICE FL = 986.29
  - 03 INSTALL 7 LF 6" SDR-26 PVC RISER @ 100% SLOPE
  - 04 INSTALL 90 LF 6" SDR-26 PVC SANITARY SEWER SERVICE LINE AT 2% SLOPE
  - 05 SANITARY SERVICE CROSSING WITH STORM SEWER; FL = 995.00
  - 06 INSTALL 64 LF 6" SDR-26 PVC SANITARY SEWER SERVICE LINE AT 7% SLOPE
  - 07 CONNECT TO BUILDING PLUMBING WITH FL = 999.50; REF. PLUMBING PLAN
  - 08 INSTALL SANITARY CLEANOUT
  - 09 SANITARY SERVICE CROSSING WITH STORM SEWER; FL = 998.30

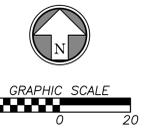
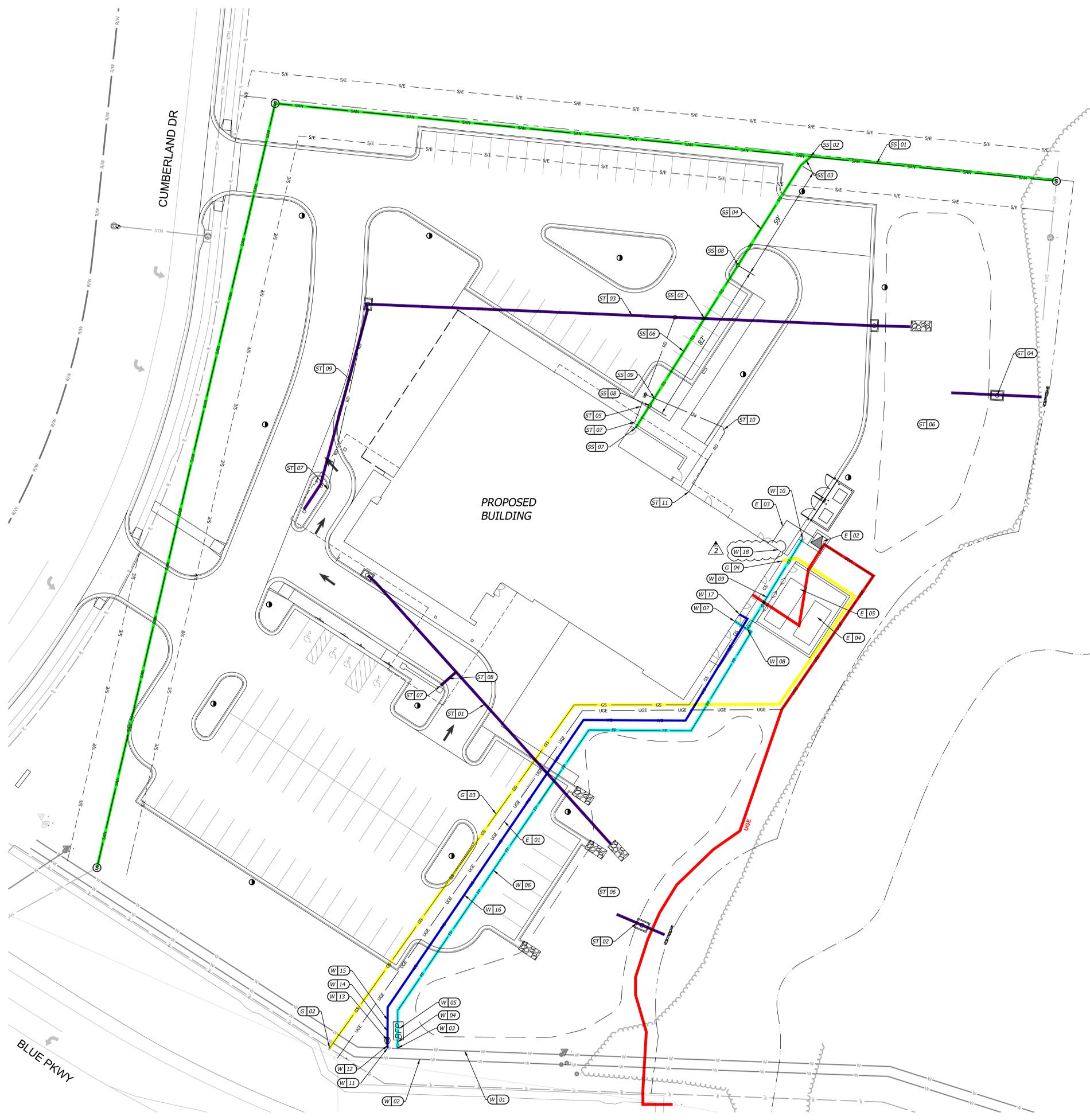
### UTILITY CONTACTS

CITY OF LEE'S SUMMIT, MO

<b>PLANNING AND DEVELOPMENT</b> CITY HALL JOSH JOHNSON 220 SE GREEN STREET LEE'S SUMMIT, MO 64063 TEL: (816) 969-1600 FAX: (816) 969-1619	<b>CODES ADMINISTRATION</b> CITY HALL 220 SE GREEN STREET LEE'S SUMMIT, MO 64063 TEL: (816) 969-1200 FAX: (816) 969-1201
<b>PUBLIC WORKS</b> CITY HALL 220 SE GREEN STREET LEE'S SUMMIT, MO 64063 TEL: (816) 969-1800 FAX: (816) 969-1809	<b>WATER UTILITIES</b> CITY HALL 1200 SE HAMBLEN RD LEE'S SUMMIT, MO 64063 TEL: (816) 969-1900 FAX: (816) 969-1935
<b>LEE'S SUMMIT FIRE DEPARTMENT</b> 207 SE DOUGLAS ROAD LEE'S SUMMIT, MO 64063 TEL: (816) 969-1300	<b>ELECTRIC COMPANY</b> EVERGY TEL: (888) 471-5275
<b>TELEPHONE COMPANY</b> AT&T TEL: (800) 464-7928	<b>GAS COMPANY</b> MISSOURI GAS ENERGY TEL: (816) 756-5252

### UTILITY GENERAL NOTES

1. CONTRACTOR SHALL REFER TO ALL SPECIFICATIONS, GUIDELINES, AND INSTALLATION DRAWINGS FROM KCWATER, SPIRE GAS SERVICE, TIME WARNER/AT&T, AND EVERGY FOR THE INSTALLATION OF ALL SERVICE LINES.
2. THE INFORMATION SHOWN ON THESE PLANS CONCERNING THE TYPE AND LOCATION OF UNDERGROUND UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING ALL UTILITY COMPANIES FOR FIELD LOCATION OF ALL UNDERGROUND UTILITY LINES PRIOR TO ANY EXCAVATION AND FOR MAKING HIS OWN VERIFICATION AS TO TYPE AND LOCATION OF UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO.
3. CONTRACTOR TO ENSURE 6" MINIMUM SEPARATION BETWEEN UTILITIES AT CROSSINGS. CONTRACTOR TO CALL CIVIL IF ANY CONFLICTS BETWEEN UTILITIES ARE FOUND.
4. FIRE LINE NOTES:
  - 4.1. ALL PRIVATE FIRE LINES SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 24, AND OTHER APPLICABLE CODES AND STANDARDS.
  - 4.2. CONTACT THE FIRE DEPARTMENT TO SCHEDULE INSPECTIONS PRIOR TO PRIVATE FIRE LINES BEING BACKFILLED.
  - 4.3. CONTACT THE FIRE DEPARTMENT TO WITNESS SCHEDULED HYDROSTATIC TESTS AND FLUSHES OF PRIVATE FIRE LINES.
5. STUB ALL CONNECTIONS TO WITHIN 5' OF THE BUILDING TO PROVIDE CONNECTION INTO THE BUILDING BY MECHANICAL/PLUMBING CONTRACTOR.
6. CONTRACTOR TO ENSURE MIN. 18" VERTICAL SEPARATION BETWEEN UTILITIES AT CROSSING. CONTRACTOR TO CALL ENGINEER IF ANY CONFLICTS BETWEEN UTILITIES ARE FOUND.
7. ALL WATER SERVICE INSTALLATIONS INCLUDING BACKFLOW DEVICES ARE SUBJECT TO FIELD VERIFICATION AND APPROVAL BY THE WATER DEPARTMENT INSPECTOR.



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