



UTILITY NOTES:

- ALL ROUTING AND INSTALLATION OF PROPOSED UTILITIES (TELEPHONE, GAS, WATER, CABLE, ELECTRICAL, ETC.) SHALL BE COORDINATED BETWEEN THE CONTRACTOR AND THE APPROPRIATE UTILITY PROVIDER. ALL UTILITY ROUTING SHALL BE APPROVED BY THE OWNER AND THE APPROPRIATE UTILITY PROVIDER PRIOR TO INSTALLATION. ANY PROPOSED UTILITY ROUTING DESIGNATED ON THESE DOCUMENTS ARE FOR GENERAL GUIDELINES ONLY UNLESS OTHERWISE SPECIFIED. BARTLETT & WEST, INC. ASSUMES NO LIABILITY FOR IMPROPER ROUTING OR CONNECTIONS TO EXISTING UTILITIES.
- ALL INSTALLATION AND MATERIALS TO BE IN COMPLIANCE WITH CITY OF LEE'S SUMMIT, MISSOURI CODES AND SPECIFICATIONS. CONTRACTOR SHALL VERIFY ALL CODES AND REGULATIONS.
- ALL ROUTING OF UNDERGROUND ELECTRIC LINE TO BE VERIFIED WITH APPROPRIATE PROVIDER PRIOR TO INSTALLATION. ANY AND ALL PAVEMENT, TURF, ETC. REMOVED FOR INSTALLATION SHALL BE REPLACED AS PREVIOUSLY EXISTED.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRAFFIC CONTROL METHODS NEEDED DURING THE INSTALLATION OR CONSTRUCTION OF ANY UTILITIES OR RELATED ITEMS. AT NO TIME SHALL A DRIVE LANE BE CLOSED TO THRU TRAFFIC. CONTRACTOR SHALL MAINTAIN AT LEAST 15 FEET OF MINIMUM DRIVE WIDTH TO ACCOMMODATE TRAFFIC FLOW.
- CONTACT AFFECTED OWNER(S) A MINIMUM OF 24 HOURS PRIOR TO HALTING OF UTILITY SERVICES. UNDER NO CIRCUMSTANCE SHALL ANY UTILITY SERVICE BE DISCONTINUED FOR MORE THAN (1) 8-HOUR PERIOD, CONTINGENT UPON THE WORK BEING PERFORMED AT NIGHT.
- REFER TO ELECTRICAL/MECHANICAL ENGINEER'S PLANS FOR ALL ROUTING AND CONNECTIONS TO BUILDINGS AND ALL DESIGN AND SPECIFICATIONS OF SITE LIGHTING.
- THE CONTRACTOR SHALL DISPOSE OF ANY ROCK EXCAVATED FROM TRENCHES AND STRUCTURES OFFSITE UNLESS OTHERWISE DIRECTED BY THE ENGINEER. TRENCH WIDTH USED IN COMPUTING ROCK EXCAVATION SHALL BE THE OUTSIDE DIAMETER OF PIPE PLUS 12-INCHES.
- THE PRICE BID FOR SANITARY SERVICE LINE, IN PLACE, SHALL INCLUDE TRENCHING, LAYING PIPE AND FITTINGS, BEDDING MATERIALS, BACKFILL, MARKING AND COMPACTION.
- CONNECT WATER LINES WITH APPROPRIATE TEE JOINTS & VALVE BOXES PER CITY OF LEE'S SUMMIT STANDARDS. CONTRACTOR SHALL OBTAIN ALL CITY STANDARDS AND SPECIFICATIONS FOR USE ON THIS PROJECT. CONTACT THE CITY OF LEE'S SUMMIT WATER DEPARTMENT REPRESENTATIVE PRIOR TO ANY WATER LINE INSTALLATION.
- WATER MAINS SHALL BE INSTALLED AT LEAST 10 FEET HORIZONTALLY FROM SANITARY SEWER MAINS AND AT LEAST 10 FEET HORIZONTALLY FROM STORM SEWER. THE DISTANCE SHALL BE MEASURED EDGE OF PIPE TO EDGE OF PIPE. CONTRACTOR SHALL BE REQUIRED TO VERIFY AND FOLLOW ALL CURRENT STATE DEPARTMENT OF HEALTH AND ENVIRONMENT JURISDICTION REGULATIONS.
- WATER MAINS SHALL MAINTAIN 24-INCHES OF VERTICAL CLEARANCE BETWEEN THE OUTSIDE OF THE WATER MAIN TO THE OUTSIDE OF THE SANITARY MAIN. CONTRACTOR SHALL BE REQUIRED TO VERIFY AND FOLLOW ALL CURRENT STATE DEPARTMENT OF HEALTH AND ENVIRONMENT JURISDICTION REGULATIONS.
- ALL WATER MAINS SHALL MAINTAIN A MINIMUM COVER OF 42-INCHES.
- CONNECT SANITARY LINES PER CITY OF LEE'S SUMMIT STANDARDS. CONTRACTOR SHALL OBTAIN ALL CITY STANDARDS AND SPECIFICATIONS FOR USE ON THIS PROJECT. ALL SANITARY SEWER MAINS AND SERVICE LINES SHALL MAINTAIN A MINIMUM COVER OF 30-INCHES.
- CONTRACTOR SHALL COORDINATE ROUTING OF EXISTING AND PROPOSED ELECTRICAL, GAS, CABLE AND TELEPHONE LINES WITH THE APPROPRIATE SERVICE PROVIDER, OWNER, SUB-CONTRACTOR AND ELECTRICAL/MECHANICAL ENGINEERS PLANS TO ENSURE THESE SERVICES ARE NOT INTERRUPTED AT SURROUNDING BUILDINGS.

LIST OF UTILITIES

KCP&L  
1300 SE HAMLEN RD.  
LEE'S SUMMIT, MO 64081  
HEATH LENAHAH 816-251-2647

MISSOURI GAS ENERGY  
3025 SE CLOVER DR.  
LEE'S SUMMIT, MO. 64055  
JON HARREL 816-969-2298

SPECTRUM CABLE  
8221 W. 119TH STREET  
OVERLAND PARK, KS 66213  
ROY BELLIS  
913-643-1914

AT&T  
215 N. SPRING ST  
INDEPENDENCE, MO 64050  
JOHN CORNICK 816-325-5615

CITY OF LEE'S SUMMIT  
WATER UTILITIES DEPARTMENT  
616 N.E. DOUGLAS  
LEE'S SUMMIT, MO. 64063  
816-969-1940

CITY OF LEE'S SUMMIT  
STREET/STORM WATER DEPARTMENT  
220 SE GREEN ST.  
LEE'S SUMMIT, MO. 64063  
PUBLIC WORKS OPERATIONS 816-969-1870

EMERGENCY PHONE NUMBERS:  
LEE'S SUMMIT POLICE 969-1700  
LEE'S SUMMIT FIRE DEPT. 969-1300  
LEE'S SUMMIT PUBLIC WORKS INSPECTOR 969-1817

STORM DRAINAGE PIPE

- PIPE A1: BEGINNING FL ELEV = 976.03±  
INSTALL 44 LF OF 8" HDPE @ 1.9% SLOPE.  
ENDING FL ELEV = 975.20±  
CONNECT TO A2 WITH 8" TO 10" ADAPTER
- PIPE A2: BEGINNING FL ELEV = 975.20±  
INSTALL 56 LF OF 10" HDPE @ 1.9% SLOPE.  
ENDING FL ELEV = 974.14±  
CONNECT TO A3 WITH 10" TO 12" 90° ELBOW
- PIPE A3: BEGINNING FL ELEV = 974.14±  
INSTALL 218 LF OF 12" HDPE @ 1.9% SLOPE.  
ENDING FL ELEV = 970.00±  
CONNECT TO OUTFALL END SECTION
- PIPE B1: BEGINNING FL ELEV = 977.5±  
INSTALL 129 LF OF 6" HDPE @ 1.34% SLOPE.  
ENDING FL ELEV = 975.76±  
CONNECT TO B2 WITH 6" TO 8" 90° ELBOW
- PIPE B2: BEGINNING FL ELEV = 975.76±  
INSTALL 110 LF OF 8" HDPE @ 1.7% SLOPE.  
ENDING FL ELEV = 973.89±  
CONNECT TO B3 WITH 8" TO 10" ADAPTER
- PIPE B3: BEGINNING FL ELEV = 973.89±  
INSTALL 98.5 LF OF 10" HDPE @ 1.7% SLOPE.  
ENDING FL ELEV = 972.22±  
CONNECT TO A3 WITH 10" TO 12" TEE AND CLEANOUT
- PIPE C1: BEGINNING FL ELEV = 978.50±  
INSTALL 3 LF OF 6" HDPE  
CONNECT TO A1 WITH 6"x6" TEE AND CLEANOUT.  
ENDING FL ELEV = 976.03±
- PIPE C2: BEGINNING FL ELEV = 978.50±  
INSTALL 7.4 LF OF 6" HDPE  
CONNECT TO A1 WITH 6"x8" TEE AND CLEANOUT.  
ENDING FL ELEV = 975.90±
- PIPE C3: BEGINNING FL ELEV = 978.50±  
INSTALL 3 LF OF 6" HDPE  
CONNECT TO A1 WITH 6"x8" TEE AND CLEANOUT.  
ENDING FL ELEV = 975.87±
- PIPE C4: BEGINNING FL ELEV = 978.50±  
INSTALL 3 LF OF 6" HDPE  
CONNECT TO A1 WITH 6"x8" TEE AND CLEANOUT.  
ENDING FL ELEV = 973.89±
- PIPE C5: BEGINNING FL ELEV = 978.50±  
INSTALL 7.4 LF OF 6" HDPE  
CONNECT TO A1 WITH 6"x8" TEE AND CLEANOUT.  
ENDING FL ELEV = 975.32±
- PIPE C6: BEGINNING FL ELEV = 978.50±  
INSTALL 7.4 LF OF 6" HDPE  
CONNECT TO A2 WITH 6"x10" TEE AND CLEANOUT.  
ENDING FL ELEV = 974.85±
- PIPE C7: BEGINNING FL ELEV = 978.50±  
INSTALL 23 LF OF 6" HDPE  
CONNECT TO C8 WITH 6"x6" TEE AND CLEANOUT.  
ENDING FL ELEV = 977.94±
- PIPE C8: BEGINNING FL ELEV = 978.50±  
INSTALL 23 LF OF 6" HDPE  
CONNECT TO A3 WITH 6"x12" TEE AND CLEANOUT.  
ENDING FL ELEV = 973.52±
- PIPE C9: BEGINNING FL ELEV = 978.50±  
INSTALL 20 LF OF 6" HDPE  
CONNECT TO A3 WITH 6"x12" TEE AND CLEANOUT.  
ENDING FL ELEV = 972.85±
- PIPE C10: BEGINNING FL ELEV = 978.50±  
INSTALL 20 LF OF 6" HDPE  
CONNECT TO A3 WITH 6"x12" TEE AND CLEANOUT.  
ENDING FL ELEV = 972.85±
- PIPE C11: BEGINNING FL ELEV = 978.50±  
INSTALL 26 LF OF 6" HDPE  
CONNECT TO C10 WITH 6"x6" TEE AND CLEANOUT  
ENDING FL ELEV = 978.02±
- PIPE C12: BEGINNING FL ELEV = 974.50±  
INSTALL 4 LF OF 6" HDPE  
CONNECT TO B3 WITH 6"x10" TEE AND CLEANOUT.  
ENDING FL ELEV = 972.38±
- PIPE C13: BEGINNING FL ELEV = 978.50±  
INSTALL 3 LF OF 6" HDPE  
CONNECT TO B3 WITH 6"x10" TEE AND CLEANOUT.  
ENDING FL ELEV = 972.74±
- PIPE C14: BEGINNING FL ELEV = 978.50±  
INSTALL 3 LF OF 6" HDPE  
CONNECT TO B3 WITH 6"x10" TEE AND CLEANOUT.  
ENDING FL ELEV = 973.11±
- PIPE C15: BEGINNING FL ELEV = 978.50±  
INSTALL 3 LF OF 6" HDPE  
CONNECT TO B3 WITH 6"x10" TEE AND CLEANOUT.  
ENDING FL ELEV = 973.46±
- PIPE C16: BEGINNING FL ELEV = 978.50±  
INSTALL 3 LF OF 6" HDPE  
CONNECT TO B2 WITH 6"x8" TEE AND CLEANOUT.  
ENDING FL ELEV = 974.89±
- PIPE C17: BEGINNING FL ELEV = 978.50±  
INSTALL 3 LF OF 6" HDPE  
CONNECT TO B2 WITH 6"x8" TEE AND CLEANOUT.  
ENDING FL ELEV = 975.08±
- PIPE C18: BEGINNING FL ELEV = 978.50±  
INSTALL 3 LF OF 6" HDPE  
CONNECT TO B2 WITH 6"x8" TEE AND CLEANOUT.  
ENDING FL ELEV = 974.79±
- PIPE C19: BEGINNING FL ELEV = 978.50±  
INSTALL 3 LF OF 6" HDPE  
CONNECT TO B1 WITH 6"x6" TEE AND CLEANOUT.  
ENDING FL ELEV = 976.15±
- PIPE C20: BEGINNING FL ELEV = 978.50±  
INSTALL 3 LF OF 6" HDPE  
CONNECT TO B1 WITH 6"x6" TEE AND CLEANOUT.  
ENDING FL ELEV = 976.47±
- PIPE C21: BEGINNING FL ELEV = 978.50±  
INSTALL 3 LF OF 6" HDPE  
CONNECT TO B1 WITH 6"x6" TEE AND CLEANOUT.  
ENDING FL ELEV = 976.79±
- PIPE C22: BEGINNING FL ELEV = 978.50±  
INSTALL 3 LF OF 6" HDPE  
CONNECT TO B1 WITH 6"x6" TEE AND CLEANOUT.  
ENDING FL ELEV = 976.79±
- PIPE C23: BEGINNING FL ELEV = 978.50±  
INSTALL 3 LF OF 6" HDPE  
CONNECT TO B1 WITH 6"x6" TEE AND CLEANOUT.  
ENDING FL ELEV = 976.79±

- PIPE C24: BEGINNING FL ELEV = 978.50±  
INSTALL 3 LF OF 6" HDPE  
CONNECT TO B1 WITH 6"x6" TEE AND CLEANOUT.  
ENDING FL ELEV = 977.11±
- PIPE C25: BEGINNING FL ELEV = 978.50±  
INSTALL 3 LF OF 6" HDPE  
CONNECT TO B1 WITH 6"x6" TEE AND CLEANOUT.  
ENDING FL ELEV = 977.50±
- PIPE D1: BEGINNING FL ELEV = 978.0±  
INSTALL 24 LF OF 6" HDPE  
CONNECT TO A2 WITH 6"x10" TEE AND CLEANOUT.  
ENDING FL ELEV = 975.20±
- PIPE D2: BEGINNING FL ELEV = 978.0±  
INSTALL 24 LF OF 6" HDPE  
CONNECT TO A2 WITH 6"x10" TEE AND CLEANOUT.  
ENDING FL ELEV = 974.47±

STORM STRUCTURES

- AREA INLET 1: 3'x3' AREA INLET  
SURFACE ELEV = 980.25  
FL OUT (S) = 978.00
- AREA INLET 2: 3'x3' AREA INLET  
SURFACE ELEV = 980.25  
FL OUT (S) = 978.00
- AREA INLET 3: 6'x6" AREA INLET  
SURFACE ELEV = 981.25  
FL OUT (S) = 978.50
- PIPE A END SECTION : 12" HDPE END SECTION  
ELEV = 970.00
- DETENTION POND: OUTLET STRUCTURE  
REFER TO C9.0 FOR DETAILS  
SURFACE ELEV = 973.60  
FL OUT (SE) = 967.00
- DETENTION POND: 15" CMP END SECTION  
FL OUT (E) = 966.00

NOTE: REFER TO SHEET C8.0 FOR  
DOWNSPOUT BOOT CONNECTION DETAIL

0 20' 40'  
SCALE: 1" = 20'

LEE'S SUMMIT STATION #3  
PRYOR ROAD  
LEE'S SUMMIT, MO 64081

Williams  
Spurgeon  
Kuhl &  
Freshnock  
Architects, Inc.  
Missouri Certificate of Authority  
#2003011262

UTILITY PLAN

C5.0