

PROPOSED CONSTRUCTION KEYNOTES

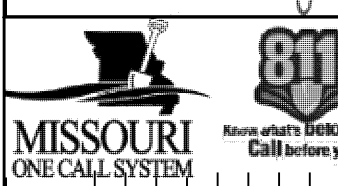
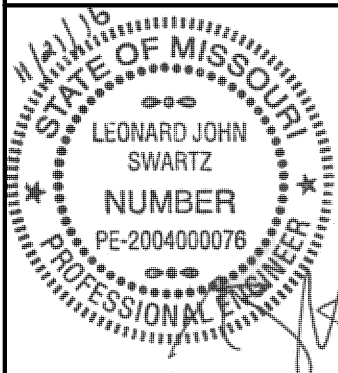
- CONTRACTOR TO CONNECT TO EXISTING SEWER AT LOCATION AND INVERT SHOWN ON PLAN. CONTRACTOR TO INSTALL WYE CONNECTION, 45° BEND AND CLEANOUT. USE TRAFFIC RATED HEAVY DUTY CLEANOUT AND ADJUST RIM TO PAVEMENT.
- INSTALL 6" PVC SDR-26 SEWER SERVICE PIPE. SEE PLAN FOR LENGTH AND SLOPE.
- CONNECT PROPOSED SEWER LINE TO THE BUILDING STUB AT THE LOCATION AND INVERT SHOWN ON THE PLAN. CONTACT ENGINEER IF THE LOCATION OF THE ACTUAL STUB VARIES FROM THAT SHOWN ON PLAN.
- CONNECT TO EXISTING 6" WATER LINE PER THE STANDARDS AND SPECIFICATIONS OF THE CITY OF LEE'S SUMMIT. INSTALL 12" X 6" MJ TEE AND 1- 12" BUTTERFLY VALVE.
- INSTALL 2" WATER METER VAULT AT THE LOCATION SHOWN ON THE PLAN PER THE STANDARDS AND SPECIFICATIONS OF THE CITY OF LEE'S SUMMIT AND PROPOSED AUTOMATIC DOMESTIC WATER METER. METER TO BE FURNISHED BY THE CITY OF LEE SUMMIT. CONTRACTOR RESPONSIBLE FOR ALL OTHER WORK NECESSARY FOR INSTALLATION. VERIFY WATER METER SIZE AND MODEL NUMBER WITH MEP ENGINEER AND CITY OF LEE SUMMIT PRIOR TO CONSTRUCTION.
- INSTALL 8" PVC C900 FIRE LINE. SEE PLAN FOR LENGTH.
- INSTALL 2" SOFT TYPE "K" COPPER PIPE. SEE PLAN FOR LENGTH.
- INSTALL 90° BEND AT THE LOCATION SHOWN ON PLAN.
- CONTRACTOR TO BUILD NEW SANITARY SEWER MANHOLE OVER THE EXISTING SEWER LINE AT THE LOCATION SHOWN ON THE PLAN. CONTACT ENGINEER IF THE INVERT OF THE ACTUAL SEWER LINE VARIES FROM THAT SHOWN ON PLAN.
- INSTALL 8" PVC SDR-26 SEWER SERVICE PIPE. SEE PLAN FOR LENGTH AND SLOPE.
- CONNECT NEW SEWER PIPE TO EXISTING SANITARY SEWER MANHOLE STUB AT THE LOCATION SHOWN ON PLAN. REPAIR ANY DAMAGE CAUSED BY THE REMOVAL OF EXISTING PIPE (PER DEMOLITION PLAN).
- CONNECT TO EXISTING TELEPHONE LINE AT THE LOCATION SHOWN ON PLAN. USE ANY NECESSARY FITTINGS TO MAKE CONNECTION.
- CONNECT TO EXISTING TELEPHONE LINE AT THE LOCATION SHOWN ON PLAN. USE ANY NECESSARY FITTINGS TO MAKE CONNECTION.
- CONNECT TO EXISTING GAS LINE STUB AT LOCATION SHOWN ON PLAN. USE ANY NECESSARY FITTINGS TO MAKE CONNECTION.
- INSTALL 4" HDPE PIPE FOR TELECOMMUNICATION LINES. SEE PLAN FOR LENGTH.
- INSTALL 4" HDPE PIPE FOR FIBER OPTIC LINES. SEE PLAN FOR LENGTH.
- INSTALL GAS LINE. SIZE TO BE DETERMINED BY GAS COMPANY. SEE PLAN FOR PIPE LENGTH.
- INSTALL 45° BEND AT THE LOCATION SHOWN ON PLAN.
- CONTRACTOR TO INSTALL FIRE HYDRANT ASSEMBLY AT THE LOCATION SHOWN ON PLAN.
- FIRE DEPARTMENT CONNECTION (FDC) TO BE INSTALLED BY OTHERS.
- PROPOSED GAS METER LOCATION. INSTALLATION TO BE COORDINATED WITH MISSOURI GAS ENERGY.
- PROPOSED ELECTRICAL SWITCHGEAR LOCATION.
- CONNECT WATER LINE TO BUILDING STUB AT THE LOCATION SHOWN ON THE PLAN. CONTACT ENGINEER IF THE LOCATION OF ACTUAL STUB VARIES FROM THAT SHOWN ON PLAN.
- CONTRACTOR TO STEEL ENCASE EXISTING WATERLINE PER LEES SUMMIT WATER PIPING CASING DETAIL.
- CONTRACTOR TO REMOVE EXISTING MANHOLE AND CONNECT TO EXISTING SEWER PIPE. CONFIRM AND MAINTAIN EXISTING SLOPES AND INVERTS IF INFORMATION IS DIFFERENT CONTACT ENGINEER IMMEDIATELY.
- PROPOSED 12" PVC WATERLINE. SEE PLAN FOR LENGTH.
- PROPOSED 6" PVC C900 WATERLINE. SEE PLAN FOR LENGTH.
- CONNECT TO EXISTING WATERLINE AT THE LOCATION SHOWN ON PLAN. USE ANY NECESSARY FITTINGS TO MAKE CONNECTION.
- PROPOSED UTILITY TO BE 2' BELOW PROPOSED GRADE.
- EXISTING 4" STUB

NOTE:

CONTRACTOR TO VERIFY THE LOCATION AND INVERTS OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION WHICH MAY REQUIRE POTHOLES. ANY DISCREPANCIES BETWEEN THE ACTUAL LOCATIONS/INVERTS FOUND BY THE CONTRACTOR AND THE LOCATIONS/INVERTS SHOWN ON THESE PLANS MUST BE REPORTED TO THE ENGINEER PRIOR TO THE ONSET OF CONSTRUCTION FOR EVALUATION. REVISIONS TO THE CIVIL DESIGN MAY BE REQUIRED BASED ON THE ACTUAL INVERTS/LOCATIONS FOUND IN THE FIELD BY THE CONTRACTOR. THE CONTRACTOR ASSUMES ALL RESPONSIBILITY FOR WORK DONE PRIOR TO OR WITHOUT ADEQUATE UTILITY VERIFICATION AND ENGINEER NOTIFICATION.

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REV.	NO.	DATE	DESCRIPTION
1	1	8/29/2016	SITE MODIFICATIONS
2	2	10/04/2016	HYDRANT RELOCATION
3	3	11/17/2016	PAD 5 SW BLDG CORNER GRADING & STORM MODIFICATIONS
4	4	11/17/2016	SEWER MAIN CHANGES
5	5	01/24/2017	SEWER MAIN REVISION

UTILITY PLAN	2016
PAD 5 AT SUMMIT FAIR RETAIL CENTER CHIPMAN ROAD-HIGHWAY 50	LEE'S SUMMIT, MISSOURI
drawn by: MD designed by: LS checked by: LS project no.: 015-2698 date: 2016.11.18	C301 10 of 29