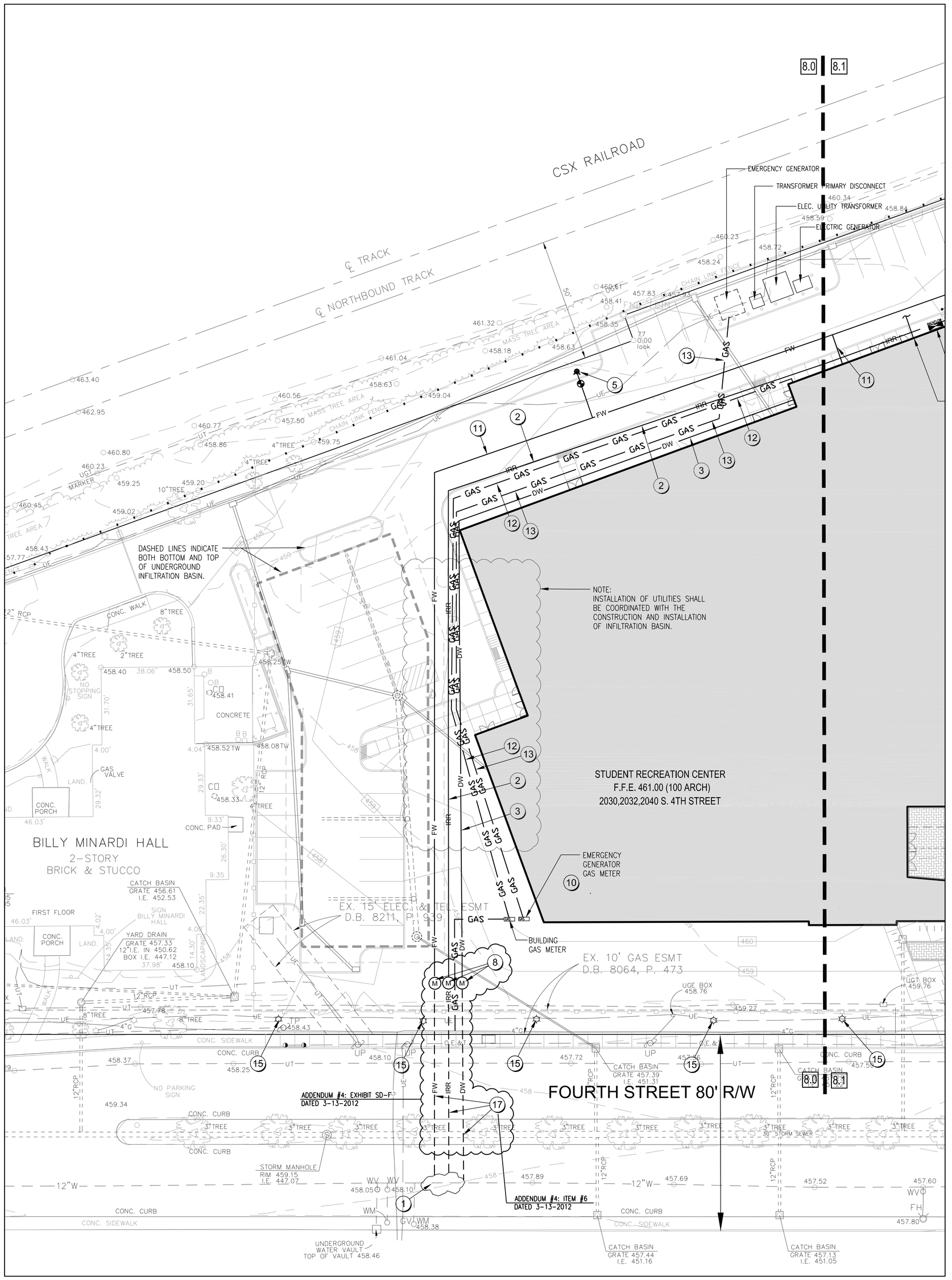

THE LOUISVILLE WATER COMPANY WILL BE RESPONSIBLE FOR THE WATER LINE TAPS AND EXTENDING TO THE METER VAULTS FOR EACH WATER LINE EXTENSION. THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL COSTS INCURRED FOR THE TAPS AND SHALL COORDINATE AND PAY THE LOUISVILLE WATER COMPANY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR EACH WATER LINE EXTENSION FROM THE METER VAULTS. THE LINE LABELED 'FP' SHALL BE ELIMINATED FROM THE SCOPE.

ADDENDUM #4: ITEM #5
DATED 3-13-2012

SITE UTILITY PLAN

SCALE: 1"=20'-0"

0 10 20 40

GENERAL NOTES

1. CONTRACTOR TO PAY ALL TAP AND UTILITY FEES AS APPLICABLE FOR NEW SERVICE LINES TO THIS FACILITY.
2. REFER TO ALL OTHER APPLICABLE PLANS FOR INSTALLATION OF UTILITIES TO AVOID POTENTIAL CONFLICTS INCLUDING
A – SITE SURVEY
B – ARCHITECTURAL PLANS
C – MECHANICAL AND ELECTRICAL PLANS
D – LANDSCAPE PLANS
ADVISE THE DESIGN CONSULTANT OF ANY POTENTIAL CONFLICTS.
3. FEDERAL, STATE, LOCAL MUNICIPALITY AND UTILITY COMPANY CODES, RULES, REGULATIONS, AND REQUIREMENTS APPLY UNLESS EXCEEDED BY THIS DESIGN.
4. CONTRACTOR TO EXERCISE EXTREME CAUTION WHILE WORKING IN VICINITY OF WATER, GAS MAINS, AND ANY OVERHEAD UTILITY LINES.
5. ALL SANITARY SEWER, WATER LINES, CATV, AND TELEPHONE CONDUIT UNDER PAVEMENT SHALL BE BACKFILLED WITH COMPACTED CRUSHED STONE.
6. ALL WORK, CONSTRUCTION REQUIREMENTS, AND PERFORMANCE STANDARDS SHALL COMPLY WITH ALL METRO LOUISVILLE STANDARDS, CURRENT DESIGN MANUALS, AND RESPECTIVE UTILITY COMPANY REQUIREMENTS.
7. ALL TRENCHING AND CONSTRUCTION TECHNIQUES SHALL COMPLY WITH OSHA STANDARDS FOR WORKER SAFETY.
8. ALL PIPE SHALL BE HANDLED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.
9. ALL FEES AND ANY OTHER COSTS FROM UTILITY COMPANIES, MUNICIPALITIES, INSPECTORS, REVIEWING AGENCIES, ETC. ARE TO BE INCLUDED AS A PART OF THIS CONTRACT.
10. PLANNED INTERRUPTION OF ANY SERVICE SHALL BE COORDINATED WITH THE APPROPRIATE MUNICIPALITY OR UTILITY COMPANY. NOTIFY THE UTILITY COMPANY OF ANY ANTICIPATED SERVICES REQUIRED FROM THEM AT LEAST TWO WEEKS IN ADVANCE IN WRITING AND INSURE THAT THEY DO NOT DELAY WORK.
12. LOCATIONS, DEPTHS, MATERIAL TYPES, ELEVATIONS, ETC. OF ALL APPURTENANCES, LINES, BUILDINGS, ETC. INDICATED ON THIS DRAWING WERE TAKEN FROM VARIOUS SOURCES, ARE DIAGRAMMATIC ONLY AND ARE SUBJECT TO SUBSTANTIAL VARIATION FROM EXISTING CONDITIONS. CERTAIN EXISTING ELEMENTS AND UTILITIES MAY NOT BE INDICATED AT ALL. THE CONTRACTOR PROPOSING TO DO WORK ON ANY PART OF THE WORK INDICATED HEREON SHALL VISIT THIS SITE AND DETERMINE TO HIS SATISFACTION THAT HE MAY COMPLETE ALL WORK REQUIRED FOR THE BID WHICH HE PROPOSED. CONTRACTOR SHALL CALL B.U.D. 2 WORKING DAYS PRIOR TO COMMENCING WORK FOR LOCATION OF BURIED UTILITY LINES.
13. ANY WORK WITHIN PUBLIC RIGHT-OF-WAY SHALL COMPLY WITH METRO PUBLIC WORKS STANDARDS.

FIRE & DOMESTIC WATER SERVICE NOTES:

1. MINIMUM DEPTH OF COVER OVER WATER MAIN SHALL BE 36" AND MAXIMUM DEPTH SHALL BE 6' UNLESS APPROVED.
2. ON SITE PIPE MATERIALS FOR WATER MAINS ARE PRESSURE CLASS 350 DUCTILE IRON PIPE FOR FIRE AND SCH80 PVC FOR DOMESTIC UNLESS OTHERWISE NOTED. CONTRACTOR TO SUPPLY ALL FITTINGS AND COUPLINGS AS NECESSARY TO MAKE COMPLETE OPERATING SYSTEM.
3. ALL GATE VALVES, TAPPING SLEEVES, AND VALVES AND OTHER FITTINGS SHALL COMPLY WITH LOUISVILLE WATER COMPANY AND AWWA STANDARDS C-500 TO C-504, LATEST REVISION.
4. A MINIMUM SEPARATION OF 18" OR A CASING PIPE IS REQUIRED AT ANY LOCATION WHERE A WATER LINE CROSSES A STORM SEWER LINE.
5. A MINIMUM SEPARATION OF 18" IS REQUIRED AT ANY LOCATION WHERE A WATER LINE CROSSES A SANITARY SEWER LINE. IF THIS SEPARATION CANNOT BE FEASIBLY OBTAINED, THIS WATER LINE MUST BE INSTALLED IN SUCH A MANNER THAT NO JOINT IS WITHIN 5' OF THE SANITARY SEWER LINE AND A SEPARATION OF 6" MUST BE MAINTAINED.
6. ALL FITTINGS TO BE BLOCKED SHALL BE WRAPPED WITH HEAVY PLASTIC BEFORE PLACEMENT OF CONCRETE. (MIN. THICKNESS 4 MILS)
7. THE WATER LINE SHALL BE PRESSURE TESTED AND DISINFECTED ACCORDING TO AWWA STANDARD C651, PER KAWC STANDARDS AND KYDOH PERMIT. CONTRACTOR SHALL ADHERE TO PERMIT CONDITIONS FOR HANDLING FLUSHING WATER. FLUSHING VELOCITIES SHALL BE NOT LESS THAN 2.5 FT/SEC.
8. WATER LINES SHALL BE ADEQUATELY PLUGGED DURING ANY TIME WHEN THE PIPE IN THE TRENCH IS LEFT UNATTENDED IN ORDER TO PREVENT FOREIGN MATERIALS AND RODENTS FROM ENTERING THE LINE.
9. THRUST BLOCKS SHALL BE PROVIDED AT ALL BENDS, TEES, PLUGS, AND OTHER CRITICAL LOCATIONS AS REQUIRED PER THE STANDARD DETAILS.
10. ALL PIPE AND FITTINGS SHALL BE HANDLED IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS.
11. PIPE LUBRICANTS SHALL BE IN ACCORDANCE WITH THE PIPE MANUFACTURERS RECOMMENDATIONS.
12. ALL TRENCHING AND BACKFILL SHALL BE IN STRICT ACCORDANCE OF OSHA SAFETY REGULATIONS.
13. ALL WATER MAIN INSTALLATION AND FIRE HYDRANT INSTALLATION SHALL CONFORM TO THE MINIMUM FIRE PROTECTION REQUIREMENTS ESTABLISHED BY THE INSURANCES OF KENTUCKY.
14. ALL WORK TO INSTALL THE DOMESTIC WATER SERVICE TO THE NEW BUILDING SHALL COMPLY WITH KENTUCKY DIVISION OF PLUMBING AND LEXINGTON FAYETTE COUNTY GOVERNMENT. THE LINE SHALL BE PRESSURE TESTED, FLUSHED, AND DISINFECTED PER KENTUCKY DIVISION OF WATER AND LOCAL REQUIREMENTS.
15. ALL UNDERGROUND VALVES AND FITTINGS ARE TO BE BRASS AND SHALL CONFORM TO THE LATEST EDITION OF ANSI/AWWA SPECIFICATION C800. RADIATOR HOSE CLAMPS AND KING NIPPLES SHALL NOT BE PERMITTED.
16. COORDINATE FINAL LOCATION OF DOMESTIC POTABLE WATER SERVICE LINE WITH ARCHITECTURAL PLANS.
17. ALL PIPE UNDER PAVEMENT SHALL BE BACKFILLED WITH FULL DEPTH CRUSHED STONE.

LOUISVILLE WATER COMPANY NOTES

1. THE LOUISVILLE WATER COMPANY WILL MAKE TAPS OF DOMESTIC, FIRE AND IRRIGATION WATER LINES ON MAIN WATER LINE LOCATED IN 4TH STREET AND WILL EXTEND THE LINES TO THE METER LOCATIONS AS INDICATED.
2. THE CONTRACTOR SHALL COORDINATE EACH WATER LINE TAP WITH THE LOUISVILLE WATER COMPANY, MS. BETH ALLEN, 502.569.3600 EXT. 2165
3. THE CONTRACTOR WILL BE FULLY RESPONSIBLE FOR ALL COST ASSOCIATED WITH TAP FEES, METER FEES, ETC ASSOCIATED WITH COSTS FROM THE LOUISVILLE WATER COMPANY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE COSTS ASSOCIATED WITH THE LINE TAPS AND METERING.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL OTHER WATER LINE, VALVE AND HYDRANT INSTALLATIONS AND EXTENSIONS FROM THE METERING DEVICE AS INDICATED ON THE PLANS

LGE GAS NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING THE GAS LINE TO THE TAP LOCATION AS INDICATED ON THE PLANS. LOUISVILLE GAS AND ELECTRIC COMPANY WILL BE RESPONSIBLE FOR MAKING ALL GAS LINE TAPS INTO THE MAIN GAS LINE LOCATED ON THE WEST SIDE OF 4TH STREET.
2. THE CONTRACTOR SHALL COORDINATE ALL GAS LINE TAPS AND METER INSTALLATIONS WITH LGE, MR. JOHN LEWIS, 502.364.8275.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL COSTS ASSOCIATED WITH THE TAPPING OF THE EXISTING GAS LINES AND METER INSTALLATIONS.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE GAS LINE EXTENSIONS AS INDICATED ON THE PLAN INCLUDING THE BUILDING SERVICE LINE AND THE SERVICE LINE FOR THE EMERGENCY GENERATOR.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF THE TWO METER LOOPS, EACH LOOP SHALL BE 1 ½" SIZE WITH A BY-PASS ON EACH METER LOOP.
6. THE GAS SERVICE LINE SHALL BE 2" WELDED AND COATED STEEL LINE, CATHODICALLY PROTECTED BY A 5 LB. ANODE BAD.
7. ALL GAS SERVICE LINE AND METER LOOPS MATERIALS AND INSTALLATION SHALL BE IN STRICT CONFORMANCE WITH THE LOUISVILLE GAS AND ELECTRIC COMPANY COMMERCIAL AND INDUSTRIAL CUSTOMER GAS PIPING HANDBOOK, LATEST EDITION. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN THE HANDBOOK.
8. CONTRACTOR SHALL COORDINATE INSTALLATION OF GAS SERVICES WITH MEP PLANS – REFERENCE SHEET UM 0100

CODED LAYOUT NOTES

KEY	DESCRIPTION	
1	CONNECTION BY LOUISVILLE WATER COMPANY	
2	2" DIA. SCH 80 PVC IRRIGATION WATER SERVICE LINE	
3	3" DIA. SCH 80 PVC DOMESTIC WATER SERVICE LINE	
4	6" FIRE PROTECTION SERVICE LINE: SEE MEP DWGS.	
5	INSTALL NEW FIRE HYDRANT AND VALVE(S) AS PERMITTED BY LOUISVILLE FIRE DEPARTMENT	
6	INSTALL IRRIGATION MANIFOLD VAULT	
7	6" SANITARY SEWER LINE. SEE SD-8.4	
8	METER AS REQUIRED	
9	SHUTOFF/CONNECTION VALVE AS REQUIRED	
10	NATURAL GAS LINE: METER LOCATION TO BE DETERMINED. PROVIDE SEPARATE GAS LINE TO GENERATOR	
11	~~6" SCH. 40 FIRE WATER LINE~~ 6" CLASS 350 DUCTILE IRON – SEE MEP SHEET UM0100	ADDENDUM #4: ITEM #4 DATED 3-13-2012
12	4" GAS LINE TO BUILDING @10" W.C (2,330,000 BTU)	
13	2" SCH. 40 GAS LINE @ 2.5 PSI TO FEED EMERGENCY GENERATOR. (1,740,000 BTU)	
14	DRINKING FOUNTAIN: MURDOCK GS SERIES #GSM55 OR EQ. SHEET D / SD-8.2	
15	REINSTALLED LGE LIGHTS: SEE SHEET UE1201	
16	1/2" CW LINE TO DRINKING FOUNTAIN	
17	WATER LINES AND METER VAULTS/BOXES INSTALLED BY LOUISVILLE WATER COMPANY. ALL ASSOCIATED COSTS TO LOUISVILLE WATER COMPANY SHALL BE RESPONSIBILITY OF AND PAID FOR BY THE CONTRACTOR. SEE ADDENDUM SD-F	ADDENDUM #4: ITEM #6 DATED 3-13-2012

PURPOSE OF THESE DRAWINGS IS TO REFLECT ALL CHANGES AND CLARIFICATIONS MADE THRU PREVIOUSLY ISSUED ADDENDA. CONTRACTOR IS RESPONSIBLE FOR ADHERENCE TO IMPROVEMENTS REFLECTED IN THE CONTRACT BIDS AND SPECIFICATIONS.

FOR LOCATION OF UNDERGROUND UTILITIES, CALL B.U.D.
1-502-266-5123 (2) WORKING DAYS IN ADVANCE OF DIGGING

Consolidated Addenda 3-11-12

100 % CD's

University of Louisville - Student Recreational Facility (Bid Phase #4)

Louisville, Ky

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Revision	Date
1	
2	
3	
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Drawing Name / Description	SITE UTILITY PLAN
U of L Project Number:	
A&E Project Number:	
Date:	JANUARY, 2012
Drawn By:	SDS
Checked By:	JLC / KLW

SD-8.0