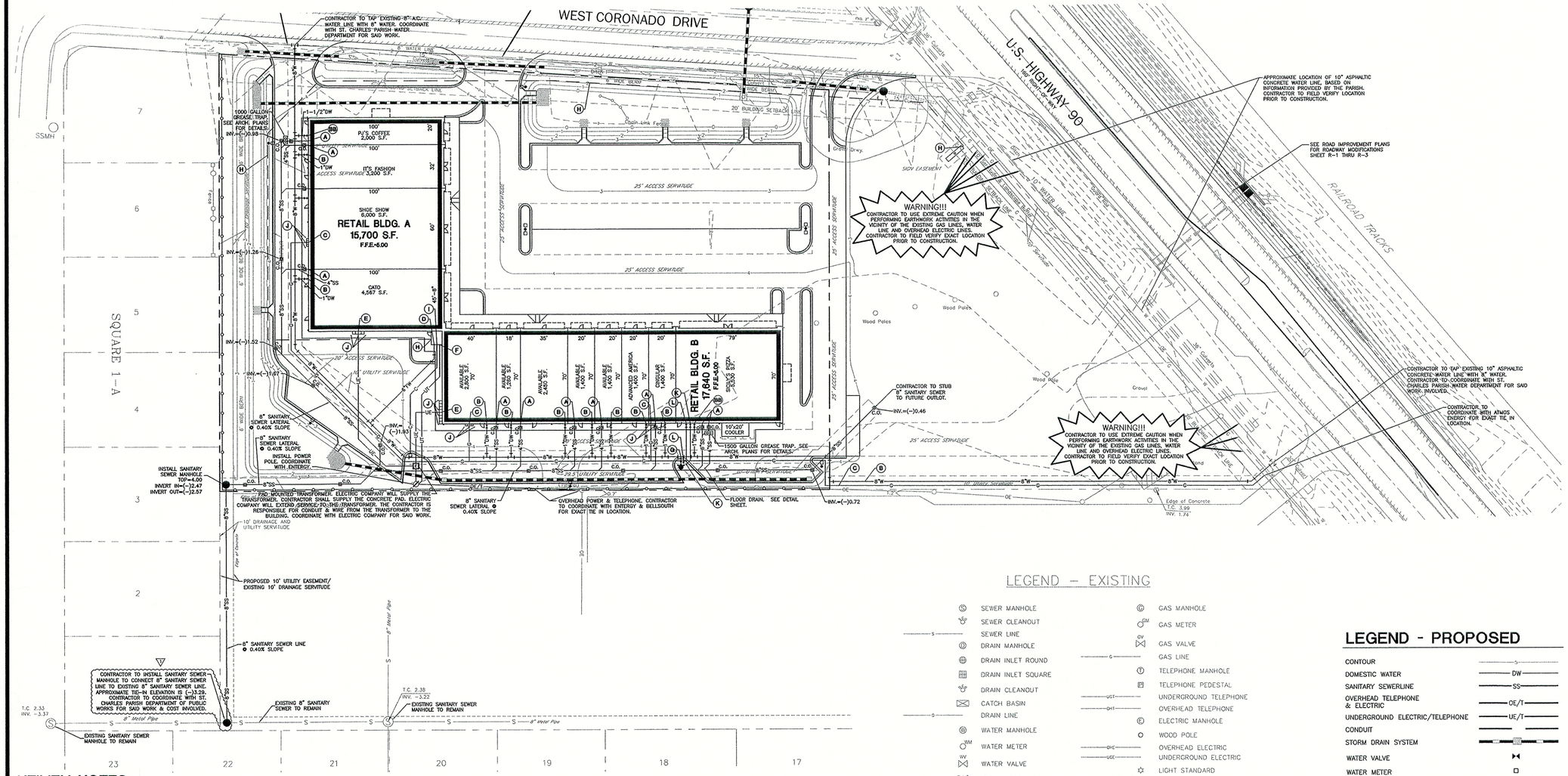

UTILITY NOTES:

1. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL UTILITIES & NOTIFYING THE APPROPRIATE UTILITY COMPANY PRIOR TO BEGINNING CONSTRUCTION.
2. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION &/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES & WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANY AT LEAST 96 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF THE UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.
3. CONTRACTOR SHALL VERIFY HORIZONTAL & VERTICAL LOCATION OF ALL EXISTING STORM SEWER STRUCTURES, PIPES, & ALL UTILITIES PRIOR TO CONSTRUCTION.
4. CONTRACTOR TO REMOVE OR RELOCATE WHEN APPLICABLE, ALL EXISTING BUILDINGS, FOUNDATIONS, EASEMENTS, & CONNECTING IMPROVEMENTS, DRAIN PIPES, SANITARY SEWER PIPE, POWER POLES & GUY WIRES, WATER METERS & WATER LINES, WELLS, SIDEWALKS, SIGN POLES, UNDERGROUND GAS, SEPTIC TANKS, & ASPHALT, SHOWN & NOT SHOWN, WITHIN CONSTRUCTION LIMITS & WHERE NEEDED, TO ALLOW FOR FILL MATERIAL, UNLESS OTHERWISE DENOTED, TO BE REMOVED AS UNCLASSIFIED EXCAVATION.
5. CONTRACTOR IS RESPONSIBLE FOR REPAIRS OF DAMAGE TO ANY EXISTING IMPROVEMENTS DURING CONSTRUCTION, SUCH AS, BUT NOT LIMITED TO, UTILITIES, PAVEMENT, STRIPING, CURBS, ETC. REPAIRS SHALL BE EQUAL TO OR BETTER THAN EXISTING CONDITIONS.
6. CONTRACTOR SHALL REFER TO ARCHITECTS PLANS & SPECIFICATIONS FOR ACTUAL LOCATION OF ALL UTILITY ENTRANCES TO INCLUDE SANITARY SEWER LATERALS, DOMESTIC & FIRE PROTECTION WATER SERVICE, ELECTRICAL, TELEPHONE, CABLE T.V., & GAS SERVICE. CONTRACTOR SHALL COORDINATE INSTALLATION OF UTILITIES IN SUCH A MANNER AS TO AVOID CONFLICTS & ASSURE PROPER DEPTHS ARE ACHIEVED AS WELL AS COORDINATING WITH PARISH UTILITY REQUIREMENTS AS TO LOCATIONS & SCHEDULING FOR TIE-INS/CONNECTIONS PRIOR TO CONNECTING EXISTING FACILITIES.
7. CONTRACTOR SHALL COORDINATE WITH ARCHITECTURAL PLANS, POWER COMPANY, & TELEPHONE COMPANY FOR ACTUAL ROUTING OF POWER & TELEPHONE SERVICE TO BUILDING.
8. CONSTRUCTION SHALL COMPLY WITH ALL GOVERNING CODES & BE CONSTRUCTED TO SAME.
9. SEE SPECIFICATIONS & DETAIL SHEETS FOR BACKFILLING & COMPACTION REQUIREMENTS ON UTILITY TRENCHES.
10. CONTRACTOR SHALL COMPLY TO THE FULLEST EXTENT WITH THE LATEST STANDARD OF OSHA DIRECTIVES OR ANY OTHER AGENCY HAVING JURISDICTION FOR EXCAVATION & TRENCHING PROCEDURES. THE CONTRACTOR SHALL USE SUPPORT SYSTEMS, SLOPING, BENCHING, & OTHER MEANS OF PROTECTION. THIS TO INCLUDE BUT NOT LIMITED TO, ACCESS & EGRESS FROM ALL EXCAVATION & TRENCHING. CONTRACTOR IS RESPONSIBLE TO COMPLY WITH PERFORMANCE CRITERIA FOR OSHA.
11. SITEWORK FOR THIS PROJECT SHALL MEET OR EXCEED THE ST. CHARLES PARISH STANDARD SITEWORK SPECIFICATIONS".
12. CONTRACTOR SHALL COORDINATE WITH OTHER UTILITIES TO ASSURE PROPER DEPTH & PREVENT ANY CONFLICT OF UTILITIES.
13. THE MINIMUM HORIZONTAL SEPARATION BETWEEN THE CLOSEST TWO POINTS OF THE WATER & SEWER LINE IS TEN (10) FEET, OR MINIMUM VERTICAL SEPARATION BETWEEN THE CLOSEST TWO POINTS OF THE WATER & SEWER LINE IS EIGHTEEN (18) INCHES.
14. CONTRACTOR SHALL GROUT AROUND ALL PIPE ENTRANCES TO SANITARY SEWER MANHOLES WITH NON-SHRINKING GROUT TO ASSURE CONNECTION IS WATER TIGHT.
15. CONTRACTOR SHALL ON ALL UTILITIES, COORDINATE INSPECTION WITH THE APPROPRIATE AUTHORITIES PRIOR TO COVERING TRENCHES AT INSTALLATION.
16. CONSTRUCTION SHALL COMPLY WITH ALL GOVERNING CODES & REQUIREMENTS. THE CONTRACTOR SHALL CONDUCT ALL REQUIRED TESTS TO THE SATISFACTION OF THE RESPECTIVE UTILITY COMPANIES & OWNERS INSPECTING AUTHORITIES.
17. SITE CONTRACTOR TO COORDINATE PROPOSED RECONNECTION OF ALL UTILITIES WITH ARCHITECTURAL PLANS AS WELL AS UTILITY COMPANIES & BUILDING CONTRACTOR.
18. FOR GENERAL NOTES SEE DRAWING C-1.
19. ALL NECESSARY INSPECTIONS &/OR CERTIFICATIONS REQUIRED BY CODES &/OR UTILITY SERVICE COMPANIES SHALL BE PERFORMED PRIOR TO ANNOUNCED BUILDING POSSESSION & THE FINAL CONNECTION OF SERVICES.

WATER NOTES:

1. ALL WORK SHALL BE DONE TO THE ST. CHARLES PARISH DEPARTMENT OF PUBLIC WORKS STANDARD SPECIFICATIONS.
2. REFERENCE ARCHITECT'S PLANS FOR ALL BUILDING FIRE SERVICE & DOMESTIC SERVICE CONNECTION LOCATIONS.
3. CONTRACTOR SHALL CONSTRUCT WATER SERVICES AS SHOWN, & CONSTRUCT METERS, PITS, & INSTALL CHECK VALVE.
4. ALL SPRINKLER & DOMESTIC LEADS TO BUILDING SHALL END AT THE FACE OF BUILDING WALL UNLESS NOTED, & SHALL BE PROVIDED WITH A TEMPORARY PLUG AT END (FOR OTHERS TO REMOVE & EXTEND AS NECESSARY).
5. ALL VERTICAL BENDS ON WATER MAIN SHALL BE RESTRAINED WITH A MECHANICAL JOINT FITTING SUPPLIED WITH THE RETAINER GLANDS. ANY JOINTS 25 FEET OR LESS FROM EITHER SIDE OF VERTICAL BEND SHALL BE RESTRAINED WITH A RETAINER GLAND.
6. DIMENSIONS SHOWN ARE TO CENTERLINE OF PIPE OR FITTING.
7. ALL VALVES SHALL BE INSTALLED IN A CAST IRON VALVE BOX WITH COVER.
8. THRUST BLOCKS SHALL BE PROVIDED AT ALL HORIZONTAL BENDS, TEES, & FIRE HYDRANTS. SEE DETAIL.
9. THE MINIMUM COVER ON WATER MAINS SHALL BE 3 FEET.
10. PIPE SIZES 3" & SMALLER SHALL BE PVC. FITTINGS SHALL BE BRASS. SEE SPECIFICATIONS.
11. PIPE SIZES 4" & LARGER SHALL BE PVC C-900 WATER PIPE. ALL FITTINGS 4" & LARGER SHALL BE CAST IRON CONFORMING TO ANSI & AWWA STANDARD SPECIFICATIONS.
12. GATE VALVES 3/4" THROUGH 3" SHALL BE BRONZE WEDGE TYPE GATE VALVE. VALVES SHALL HAVE NON-RISING STEM WITH SOLID TEE HEAD OPERATING NUT UNLESS NOTED OTHERWISE.
13. GATE VALVES 4" & LARGER SHALL BE CAST IRON GATE VALVE WITH PARALLEL DOUBLE DISC. VALVES SHALL HAVE MECHANICAL JOINT ENDS & NON-RISING STEM WITH SQUARE OPERATING NUT.

TELEPHONE NOTES:

1. ALL PHONE LINE LOCATIONS ARE APPROXIMATE & SHOWN FOR COORDINATION PURPOSES ONLY. REFERENCE ARCHITECT'S PLANS FOR ALL BUILDING SERVICE CONNECTIONS.

SANITARY SEWER NOTES:

1. ALL WORK SHALL BE DONE TO THE ST. CHARLES PARISH DEPARTMENT OF PUBLIC WORKS STANDARD SPECIFICATIONS.
2. REFERENCE ARCHITECT'S PLANS FOR ALL BUILDING SERVICE CONNECTIONS.
3. CONTRACTOR SHALL PAY ALL FEES & CHARGES PERTINENT TO SANITARY SEWER CONSTRUCTION & SHALL COORDINATE WITH ST. CHARLES PARISH DEPARTMENT OF PUBLIC WORKS PRIOR TO COMMENCING WITH CONSTRUCTION.
4. ALL STUB-OUTS & WYE LATERALS SHALL BE PLUGGED WITH A STANDARD TYPE PLUG.
5. SANITARY SEWER PIPE OF DIFFERENT MATERIAL SHALL BE JOINED BY A RUBBER SLEEVE WITH STAINLESS STEEL COUPLING, MADE FOR TRANSITIONS FROM ONE MATERIAL TO ANOTHER.
6. DIMENSIONS SHOWN ARE TO CENTERLINE OF PIPE OR TO CENTERLINE OF MANHOLE.
7. THE SANITARY SEWER PIPE MATERIAL SHALL BE PVC, SDR 35, SEWER PIPE UNLESS OTHERWISE NOTED ON PLAN.

POWER NOTES:

1. REFERENCE ARCHITECT'S PLANS FOR ALL BUILDING SERVICE CONNECTIONS.
2. ALL PRIMARY & SECONDARY SERVICE LOCATIONS ARE APPROXIMATE & ARE SHOWN FOR COORDINATION PURPOSES ONLY. CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH THE POWER COMPANY, TO DETERMINE EXACT LOCATION & RESPONSIBILITIES INCLUDING COST.

LEGEND – EXISTING

- SEWER MANHOLE
- SEWER CLEANOUT
- SEWER LINE
- DRAIN MANHOLE
- DRAIN INLET ROUND
- DRAIN INLET SQUARE
- DRAIN CLEANOUT
- CATCH BASIN
- DRAIN LINE
- WATER MANHOLE
- WATER METER
- WATER VALVE
- FIRE HYDRANT
- WATER LINE
- GAS MANHOLE
- GAS METER
- GAS VALVE
- GAS LINE
- TELEPHONE MANHOLE
- TELEPHONE PEDESTAL
- UNDERGROUND TELEPHONE
- OVERHEAD TELEPHONE
- ELECTRIC MANHOLE
- WOOD POLE
- OVERHEAD ELECTRIC
- UNDERGROUND ELECTRIC
- LIGHT STANDARD
- SIGN
- TREE

LEGEND - PROPOSED

- CONTOUR
- DOMESTIC WATER
- SANITARY SEWERLINE
- OVERHEAD TELEPHONE & ELECTRIC
- UNDERGROUND ELECTRIC/TELEPHONE
- CONDUIT
- STORM DRAIN SYSTEM
- WATER VALVE
- WATER METER
- CLEAN OUT
- POWER POLE
- MANHOLE

UTILITY LEGEND

- (A) 4" SANITARY SEWER LATERAL AT MINIMUM 1.0% SLOPE WITH CLEANOUT 3' OFF BUILDING. COORDINATE WITH ARCHITECTURAL PLANS FOR EXACT ENTRY LOCATION & ELEVATION.
- (B) 1" DOMESTIC WATER LINE WITH ¾" DOMESTIC WATER METER LOCATED OUTSIDE OF THE BUILDING & DOUBLE DETECTOR CHECK BACKFLOW PREVENTOR SHALL BE LOCATED INSIDE THE BUILDING. THE CONTRACTOR SHALL SET 1" VALVE OUTSIDE OF THE BUILDING. ST. CHARLES PARISH WATER DEPARTMENT WILL FURNISH THE METER. CONTRACTOR IS RESPONSIBLE FOR INSTALLING SETTERS, METERS, & ALL PIPES & FITTINGS FROM TAP TO METER & FROM THE METER TO THE BUILDING. CONTRACTOR SHALL COORDINATE WITH THE ST. CHARLES PARISH WATER DEPARTMENT FOR SAID CONSTRUCTION.
- (BB) 1½" DOMESTIC WATER LINE WITH 1" DOMESTIC WATER METER LOCATED OUTSIDE OF THE BUILDING & DOUBLE DETECTOR CHECK BACKFLOW PREVENTOR SHALL BE LOCATED INSIDE THE BUILDING. THE CONTRACTOR SHALL SET 1½" VALVE OUTSIDE OF THE BUILDING. ST. CHARLES PARISH WATER DEPARTMENT WILL FURNISH THE METER. CONTRACTOR IS RESPONSIBLE FOR INSTALLING SETTERS, METERS, & ALL PIPES & FITTINGS FROM TAP TO METER & FROM THE METER TO THE BUILDING. CONTRACTOR SHALL COORDINATE WITH THE ST. CHARLES PARISH WATER DEPARTMENT FOR SAID CONSTRUCTION.
- (C) CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH ATMOS ENERGY. REGARDING THE SIZE & INSTALLATION OF GAS SERVICES LINE TYPICAL. GAS COMPANY WILL EXTEND GAS TO THE BUILDING, & SET METERS. CONTRACTOR IS RESPONSIBLE FOR BOLLARD PROTECTION. CONTRACTOR SHALL COORDINATE WITH GAS COMPANY FOR SAID WORK & COST INVOLVED. REFER TO ARCHITECTURAL PLANS FOR BUILDING TIE-IN LOCATIONS.
- (D) FIREWATER ENTRY. CONTRACTOR IS REQUIRED TO INSTALL DOUBLE DETECTOR CHECK BACKFLOW PREVENTOR ON 6" FIRE LINE IN THE BUILDING. CONTRACTOR TO COORDINATE WITH ARCHITECTURAL PLANS FOR EXACT ENTRY LOCATION.
- (E) UNDERGROUND ELECTRIC TO BE EXTENDED TO THE BUILDING BY THE ELECTRIC COMPANY. ENTERGY WILL PROVIDE THE PAD MOUNTED TRANSFORMER. CONTRACTOR WILL BE RESPONSIBLE FOR THE CONCRETE PAD & THE CONDUIT FROM THE TIE-IN TO THE TRANSFORMER. CONTRACTOR TO COORDINATE WITH ENTERGY FOR SAID WORK & COST INVOLVED OF SAID EXTENSION. REFER TO ARCHITECTURAL PLANS FOR ENTRY LOCATION & METER DESIGN.
- (F) UNDERGROUND TELEPHONE FROM PROPERTY LINE TO BUILDING TO BE EXTENDED BY BELLSOUTH. CONTRACTOR SHALL INSTALL (2)-2" CONDUITS WITH PULL WIRES FOR UNDERGROUND TELEPHONE SERVICE. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY TRENCHING, BEDDING, PULL WIRES & BACK FILL WHICH MAY BE REQUIRED. CONTRACTOR SHALL COORDINATE WITH TELEPHONE COMPANY FOR SAID WORK. REFER TO ARCHITECTURAL PLANS FOR ENTRY LOCATION, PANEL SIZE, & GROUND.
- (G) FIRE HYDRANT & ASSEMBLY. CONTRACTOR TO COORDINATE WITH THE ST. CHARLES PARISH FIRE DEPARTMENT FOR FIRE HYDRANT TYPE & ASSEMBLY. TYPICAL AS INDICATED. CONTRACTOR TO PROVIDE BOLLARD PROTECTION WHERE SHOWN.
- (H) 2" SIGN CONDUIT SYSTEM. CONTRACTOR TO COORDINATE WITH THE DEVELOPER FOR INSTALLATION OF CONDUIT & SIGN.
- (I) PROPOSED 2" CABLE/CONDUIT SYSTEM. CONTRACTOR TO INSTALL 2" CABLE/CONDUIT FROM SPRINKLER ROOM TO A GRASSED AREA & TERMINATE IN A JUNCTION BOX. CONTRACTOR TO FLAG & MARK JUNCTION BOX. COORDINATE WITH ARCHITECTURAL PLANS.
- (J) 6" PIPE BOLLARD AT 5' ON CENTER (TYP.). CONTRACTOR TO COORDINATE WITH UTILITY COMPANY FOR EXACT QUANTITY & LOCATION OF BOLLARDS. SEE DETAIL SHEET FOR BOLLARD DETAIL.
- (K) 3/4" CHILLED WATER LINE. CONTRACTOR TO EXTEND FROM BUILDING TO HOSE BIBB LOCATED AT DUMPSTER PAD. CONTRACTOR TO REFER TO ARCHITECTURAL PLANS FOR EXACT TIE-IN LOCATION AT BUILDING.
- (L) 3/4" HOT WATER LINE. CONTRACTOR TO EXTEND FROM BUILDING TO HOSE BIBB LOCATED AT DUMPSTER PAD. CONTRACTOR TO REFER TO ARCHITECTURAL PLANS FOR EXACT TIE-IN LOCATION AT BUILDING.

NOTE:
THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR ADDRESSING THIS ISSUE.

CALL LOUISIANA ONE CALL - 1-800-272-3020

LOUISIANA STATE LAW, SECTION R.S.40:1749.15, REQUIRES EXCAVATORS & DEMOLISHERS TO NOTIFY A REGIONAL NOTIFICATION CENTER BY TELEPHONE 96 HOURS TO 120 HOURS IN ADVANCE OF ANY EXCAVATION OR DEMOLITION ACTIVITY. THE OWNERS/OPERATORS OF ANY UNDERGROUND FACILITY MUST THEN MARK THE AREA OR PROVIDE INFORMATION THAT WILL ENABLE AN EXCAVATOR OR DEMOLISHER TO DETERMINE THE LOCATION OF UNDERGROUND FACILITIES.

OFFSITE UTILITY PLAN

SCALE IN FEET
40 20 0 40 80 120

DATE	REVISIONS PER OWNER'S COMMENTS	NMO
08/20/07		BY

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ST. CHARLES PARISH, LOUISIANA
FOR THE SPECTRA GROUP, INC.
MEMPHIS, TENNESSEE

SIGNATURE:
DATE: 9-17-07

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CHECKED	THB
DATE	8-13-07
SCALE	AS SHOWN
PROJECT NO.	07-205
FILE:	07-205 V4
SHEET	C-3A