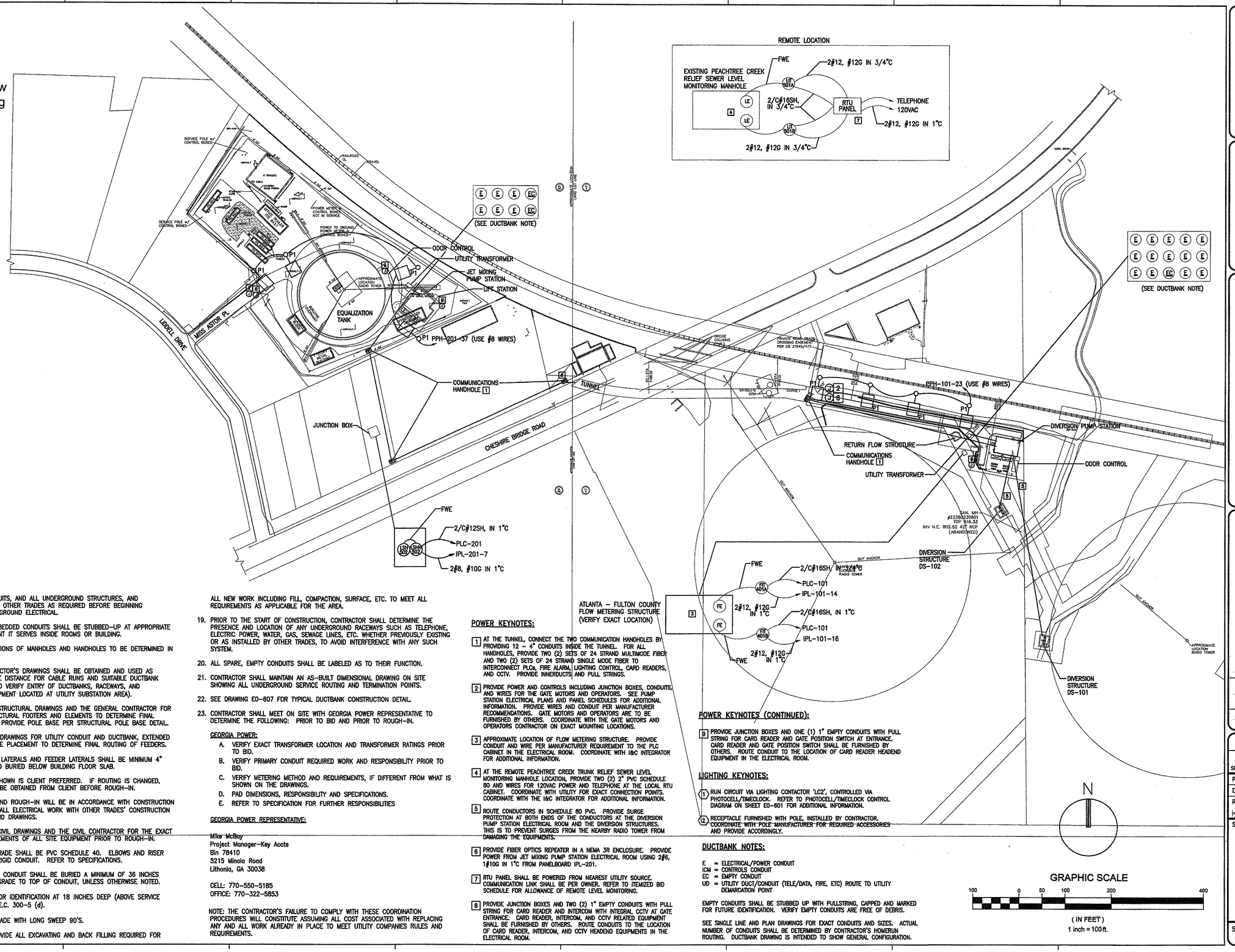
Know what's below
Call before you dig



GENERAL NOTES:

1. LOCATE UTILITIES, CONDUITS, AND ALL UNDERGROUND STRUCTURES, AND COORDINATE WORK WITH OTHER TRADES AS REQUIRED BEFORE BEGINNING INSTALLATION OF UNDERGROUND ELECTRICAL.
2. ALL DUCTBANK AND EMBEDDED CONDUITS SHALL BE STUBBED–UP AT APPROPRIATE LOCATION FOR EQUIPMENT IT SERVES INSIDE ROOMS OR BUILDING.
3. ACTUAL PHYSICAL LOCATIONS OF MANHOLES AND HANDHOLES TO BE DETERMINED IN FIELD.
4. UTILITY AND/OR CONTRACTOR'S DRAWINGS SHALL BE OBTAINED AND USED AS REQUIRED TO DETERMINE DISTANCE FOR CABLE RUNS AND SUITABLE DUCTBANK ROUTE (COORDINATE AND VERIFY ENTRY OF DUCTBANKS, RACEWAYS, AND CONDUCTORS FOR EQUIPMENT LOCATED AT UTILITY SUBSTATION AREA).
5. COORDINATE WITH THE STRUCTURAL DRAWINGS AND THE GENERAL CONTRACTOR FOR THE LOCATION OF STRUCTURAL FOOTERS AND ELEMENTS TO DETERMINE FINAL ROUTING OF FEEDERS. PROVIDE POLE BASE PER STRUCTURAL POLE BASE DETAIL.
6. COORDINATE WITH CIVIL DRAWINGS FOR UTILITY CONDUIT AND DUCTBANK, EXTENDED FEEDERS, AND HANDHOLE PLACEMENT TO DETERMINE FINAL ROUTING OF FEEDERS.
7. ALL SERVICE ENTRANCE LATERALS AND FEEDER LATERALS SHALL BE MINIMUM 4" CONCRETE ENCASED AND BURIED BELOW BUILDING FLOOR SLAB.
8. ALL ROUTING THAT IS SHOWN IS CLIENT PREFERRED. IF ROUTING IS CHANGED, PRIOR APPROVAL MUST BE OBTAINED FROM CLIENT BEFORE ROUGH–IN.
9. ALL FEEDERS ROUTED AND ROUGH–IN WILL BE IN ACCORDANCE WITH CONSTRUCTION PHASING. COORDINATE ALL ELECTRICAL WORK WITH OTHER TRADES' CONSTRUCTION PHASING DOCUMENTS AND DRAWINGS.
10. COORDINATE WITH THE CIVIL DRAWINGS AND THE CIVIL CONTRACTOR FOR THE EXACT LOCATIONS AND REQUIREMENTS OF ALL SITE EQUIPMENT PRIOR TO ROUGH–IN.
11. CONDUIT RUN BELOW GRADE SHALL BE PVC SCHEDULE 40. ELBOWS AND RISER SHALL BE GALVANIZED RIGID CONDUIT. REFER TO SPECIFICATIONS.
12. ALL UNDERGROUND SITE CONDUIT SHALL BE BURIED A MINIMUM OF 36 INCHES DEEP BELOW FINISHED GRADE TO TOP OF CONDUIT, UNLESS OTHERWISE NOTED.
13. PROVIDE COLOR TAPE FOR IDENTIFICATION AT 18 INCHES DEEP (ABOVE SERVICE CONDUIT RUNS) PER N.E.C. 300–5 (d).
14. ALL TURNS SHALL BE MADE WITH LONG SWEEP 90'S.
18. CONTRACTOR SHALL PROVIDE ALL EXCAVATING AND BACK FILLING REQUIRED FOR ALL NEW WORK INCLUDING FILL, COMPACTION, SURFACE, ETC. TO MEET ALL REQUIREMENTS AS APPLICABLE FOR THE AREA.
19. PRIOR TO THE START OF CONSTRUCTION, CONTRACTOR SHALL DETERMINE THE PRESENCE AND LOCATION OF ANY UNDERGROUND RACEWAYS SUCH AS TELEPHONE, ELECTRIC POWER, WATER, GAS, SEWAGE LINES, ETC. WHETHER PREVIOUSLY EXISTING OR AS INSTALLED BY OTHER TRADES, TO AVOID INTERFERENCE WITH ANY SUCH SYSTEM.
20. ALL SPARE, EMPTY CONDUITS SHALL BE LABELED AS TO THEIR FUNCTION.
21. CONTRACTOR SHALL MAINTAIN AN AS–BUILT DIMENSIONAL DRAWING ON SITE SHOWING ALL UNDERGROUND SERVICE ROUTING AND TERMINATION POINTS.
22. SEE DRAWING E0–607 FOR TYPICAL DUCTBANK CONSTRUCTION DETAIL.
23. CONTRACTOR SHALL MEET ON SITE WITH GEORGIA POWER REPRESENTATIVE TO DETERMINE THE FOLLOWING: PRIOR TO BID AND PRIOR TO ROUGH–IN.

GEORGIA POWER:

A. VERIFY EXACT TRANSFORMER LOCATION AND TRANSFORMER RATINGS PRIOR TO BID.
B. VERIFY PRIMARY CONDUIT REQUIRED WORK AND RESPONSIBILITY PRIOR TO BID.
C. VERIFY METERING METHOD AND REQUIREMENTS, IF DIFFERENT FROM WHAT IS SHOWN ON THE DRAWINGS.
D. PAD DIMENSIONS, RESPONSIBILITY AND SPECIFICATIONS.
E. REFER TO SPECIFICATION FOR FURTHER RESPONSIBILITIES

GEORGIA POWER REPRESENTATIVE:

Mike McBay
Project Manager–Key Accts
Bin 78410
5215 Minola Road
Lithonia, GA 30038

CELL: 770–550–5185
OFFICE: 770–322–5853

NOTE: THE CONTRACTOR'S FAILURE TO COMPLY WITH THESE COORDINATION PROCEDURES WILL CONSTITUTE ASSUMING ALL COST ASSOCIATED WITH REPLACING ANY AND ALL WORK ALREADY IN PLACE TO MEET UTILITY COMPANIES RULES AND REQUIREMENTS.

POWER KEYNOTES:

1. AT THE TUNNEL, CONNECT THE TWO COMMUNICATION HANDHOLES BY PROVIDING 12 – 4" CONDUITS INSIDE THE TUNNEL. FOR ALL HANDHOLES, PROVIDE TWO (2) SETS OF 24 STRAND MULTIMODE FIBER AND TWO (2) SETS OF 24 STRAND SINGLE MODE FIBER TO INTERCONNECT PLCs, FIRE ALARM, LIGHTING CONTROL, CARD READERS, AND CCTV. PROVIDE INNERDUCTS AND PULL STRINGS.
2. PROVIDE POWER AND CONTROLS INCLUDING JUNCTION BOXES, CONDUITS, AND WIRES FOR THE GATE MOTORS AND OPERATORS. SEE PUMP STATION ELECTRICAL PLANS AND PANEL SCHEDULES FOR ADDITIONAL INFORMATION. PROVIDE WIRES AND CONDUIT PER MANUFACTURER RECOMMENDATIONS. GATE MOTORS AND OPERATORS ARE TO BE FURNISHED BY OTHERS. COORDINATE WITH THE GATE MOTORS AND OPERATORS CONTRACTOR ON EXACT MOUNTING LOCATIONS.
3. APPROXIMATE LOCATION OF FLOW METERING STRUCTURE. PROVIDE CONDUIT AND WIRE PER MANUFACTURER REQUIREMENT TO THE PLC CABINET IN THE ELECTRICAL ROOM. COORDINATE WITH I&C INTEGRATOR FOR ADDITIONAL INFORMATION.
4. AT THE REMOTE PEACHTREE CREEK TRUNK RELIEF SEWER LEVEL MONITORING MANHOLE LOCATION, PROVIDE TWO (2) 2" PVC SCHEDULE 80 AND WIRES FOR 120VAC POWER AND TELEPHONE AT THE LOCAL RTU CABINET. COORDINATE WITH UTILITY FOR EXACT CONNECTION POINTS. COORDINATE WITH THE I&C INTEGRATOR FOR ADDITIONAL INFORMATION.
5. ROUTE CONDUCTORS IN SCHEDULE 80 PVC. PROVIDE SURGE PROTECTION AT BOTH ENDS OF THE CONDUCTORS AT THE DIVERSION PUMP STATION ELECTRICAL ROOM AND THE DIVERSION STRUCTURES. THIS IS TO PREVENT SURGES FROM THE NEARBY RADIO TOWER FROM DAMAGING THE EQUIPMENTS.
6. PROVIDE FIBER OPTICS REPEATER IN A NEMA 3R ENCLOSURE. PROVIDE POWER FROM JET MIXING PUMP STATION ELECTRICAL ROOM USING 2#6, 1#10G IN 1"C FROM PANELBOARD IPL–201.
7. RTU PANEL SHALL BE POWERED FROM NEAREST UTILITY SOURCE. COMMUNICATION LINK SHALL BE PER OWNER. REFER TO ITEMIZED BID SCHEDULE FOR ALLOWANCE OF REMOTE LEVEL MONITORING.
8. PROVIDE JUNCTION BOXES AND TWO (2) 1" EMPTY CONDUITS WITH PULL STRING FOR CARD READER AND INTERCOM WITH INTEGRAL CCTV AT GATE ENTRANCE. CARD READER, INTERCOM, AND CCTV RELATED EQUIPMENT SHALL BE FURNISHED BY OTHERS. ROUTE CONDUITS TO THE LOCATION OF CARD READER, INTERCOM, AND CCTV HEADEND EQUIPMENTS IN THE ELECTRICAL ROOM.

POWER KEYNOTES (CONTINUED):

9. PROVIDE JUNCTION BOXES AND ONE (1) 1" EMPTY CONDUITS WITH PULL STRING FOR CARD READER AND GATE POSITION SWITCH AT ENTRANCE. CARD READER AND GATE POSITION SWITCH SHALL BE FURNISHED BY OTHERS. ROUTE CONDUIT TO THE LOCATION OF CARD READER HEADEND EQUIPMENT IN THE ELECTRICAL ROOM.

LIGHTING KEYNOTES:

1. RUN CIRCUIT VIA LIGHTING CONTACTOR 'LC2', CONTROLLED VIA PHOTOCELL/TIMECLOCK. REFER TO PHOTOCELL/TIMECLOCK CONTROL DIAGRAM ON SHEET E0–601 FOR ADDITIONAL INFORMATION.
2. RECEPTACLE FURNISHED WITH POLE, INSTALLED BY CONTRACTOR. COORDINATE WITH POLE MANUFACTURER FOR REQUIRED ACCESSORIES AND PROVIDE ACCORDINGLY.

DUCTBANK NOTES:

E = ELECTRICAL/POWER CONDUIT
ICM = CONTROLS CONDUIT
EC = EMPTY CONDUIT
UD = UTILITY DUCT/CONDUIT (TELE/DATA, FIRE, ETC) ROUTE TO UTILITY DEMARCATION POINT

EMPTY CONDUITS SHALL BE STUBBED UP WITH PULLSTRING, CAPPED AND MARKED FOR FUTURE IDENTIFICATION. VERIFY EMPTY CONDUITS ARE FREE OF DEBRIS.

SEE SINGLE LINE AND PLAN DRAWINGS FOR EXACT CONDUITS AND SIZES. ACTUAL NUMBER OF CONDUITS SHALL BE DETERMINED BY CONTRACTOR'S HOMERUN ROUTING. DUCTBANK DRAWING IS INTENDED TO SHOW GENERAL CONFIGURATION.

GEORGIA REGISTERED ENG. PE032753 PROFESSIONAL 10/29/12 ENGINEER KUNG C.VEN

PEACHTREE CREEK SOUTH FORK
RELIEF STORAGE AND PUMPING STATION

CITY OF ATLANTA
DEPARTMENT of WATERSHED MANAGEMENT

REV	DATE	REVISION DESCRIPTION
0	10/28/12	100 PERCENT BID PACKAGE

THIS LINE IS ONE INCH LONG WHEN PLOTTED FULL SCALE

THIS DRAWING MUST BE USED IN CONJUNCTION WITH THE APPLICABLE OR GOVERNING TECHNICAL SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS.

PROJECT NO: FC-6260
DATE: OCTOBER 2012

RESP PROF:	DESIGNER:	CHECKER:
KCV	AWP	BLB

SHEET TITLE
ELECTRICAL
00 - GENERAL
OVERALL
SITE PLAN

SHEET NO. E0-004 REV. 0