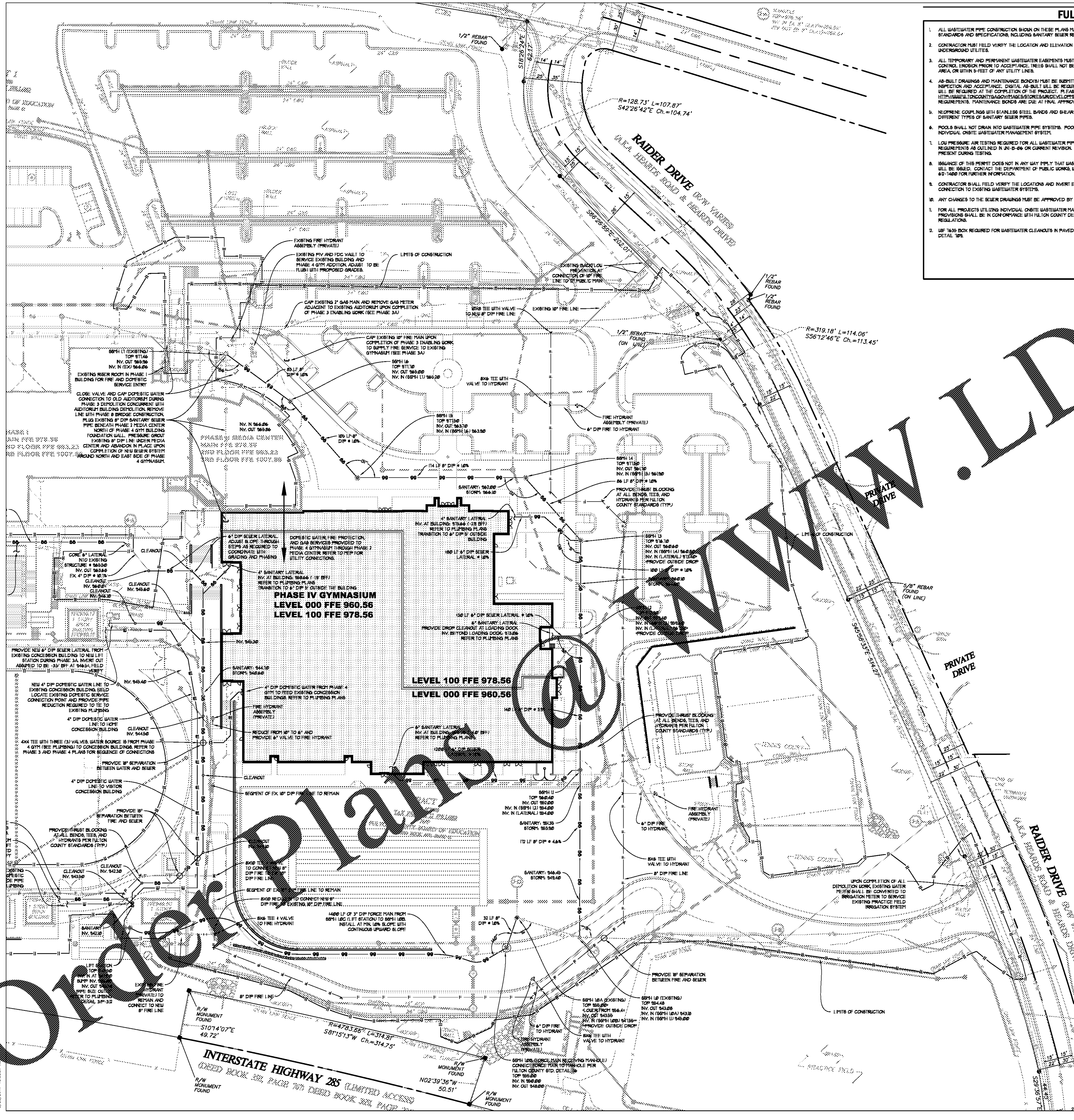

FULTON COUNTY WASTEWATER GENERAL NOTES

1. ALL WASTEWATER PIPE CONSTRUCTION SHOWN ON THESE PLANS MUST CONFORM TO FULTON COUNTY'S STANDARDS AND SPECIFICATIONS, INCLUDING SANITARY SEWER REGULATIONS LATEST COPY.
2. CONTRACTOR MUST FIELD VERIFY THE LOCATION AND ELEVATION OF ALL KNOWN AND UNKNOWN UNDERGROUND UTILITIES.
3. ALL TEMPORARY AND PERMANENT WASTEWATER EASEMENTS MUST BE DRESSED AND GRASSED TO CONTROL EROSION PRIOR TO ACCEPTANCE. TREES SHALL NOT BE PLANTED IN THE PERMANENT EASEMENT AREA, OR WITHIN 5-FEET OF ANY UTILITY LINES.
4. AS-BUILT DRAWINGS AND MAINTENANCE BOND(S) MUST BE SUBMITTED AND ARE REQUIRED PRIOR TO INSPECTION AND ACCEPTANCE. DIGITAL AS-BUILT WILL BE REQUIRED. NOTE THAT DIGITAL AS-BUILTS WILL BE REQUIRED AT THE COMPLETION OF THE PROJECT. PLEASE SEE: HTTP://WWW.FULTONCOUNTYGA.GOV/IMAGES/STORIES/WR/DEVELOPMENT/CAD_STANDARDS.PDF FOR THE REQUIREMENTS. MAINTENANCE BONDS ARE DUE AT FINAL APPROVAL OF THE AS-BUILTS.
5. NEOPRENE COUPLINGS WITH STAINLESS STEEL BANDS AND SHEAR RINGS ARE REQUIRED FOR JOINING DIFFERENT TYPES OF SANITARY SEWER PIPES.
6. POOLS SHALL NOT DRAIN INTO WASTEWATER PIPE SYSTEMS. POOLS SHALL DRAIN INTO AN APPROVED INDIVIDUAL ONSITE WASTEWATER MANAGEMENT SYSTEM.
7. LOW PRESSURE AIR TESTING REQUIRED FOR ALL WASTEWATER PIPE SYSTEMS. THIS TEST MUST MEET ALL REQUIREMENTS AS OUTLINED IN UNI-B-06 OR CURRENT REVISION. A FULTON COUNTY INSPECTOR MUST BE PRESENT DURING TESTING.
8. ISSUANCE OF THIS PERMIT DOES NOT IN ANY WAY IMPLY THAT WASTEWATER TAPS FOR BUILDING PERMITS WILL BE ISSUED. CONTACT THE DEPARTMENT OF PUBLIC WORKS, WATER RESOURCES DIVISION AT (404) 612-7400 FOR FURTHER INFORMATION.
9. CONTRACTOR SHALL FIELD VERIFY THE LOCATIONS AND INVERT ELEVATION OF WASTEWATER PIPES FOR A CONNECTION TO EXISTING WASTEWATER SYSTEMS.
10. ANY CHANGES TO THE SEWER DRAWINGS MUST BE APPROVED BY FULTON COUNTY.
11. FOR ALL PROJECTS UTILIZING INDIVIDUAL ONSITE WASTEWATER MANAGEMENT SYSTEMS DESIGN AND PROVISIONS SHALL BE IN CONFORMANCE WITH FULTON COUNTY DEPARTMENT OF HEALTH AND WELLNESS REGULATIONS.
12. USF 7635 BOX REQUIRED FOR WASTEWATER CLEANOUTS IN PAVED AREA PER FULTON COUNTY STANDARD DETAIL 709.
13. COMPACTION OF THE BACK FILL OF ALL TRENCHES SHALL BE COMPACTED TO AT LEAST 90% STANDARD PROCTOR DENSITY. BACKFILL MATERIAL SHALL BE FREE FROM ROOTS, STUMPS OR OTHER FOREIGN DEBRIS, AND SHALL BE PLACED AT OR NEAR OPTIMUM MOISTURE CONTENT. CORRECTION OF ANY TRENCH SETTLEMENT WITHIN A YEAR FROM THE DATE OF APPROVAL WILL BE THE RESPONSIBILITY OF THE CONTRACTOR. COMPACTION OF THE BACK FILL OF ALL TRENCHES LOCATED UNDER PAVEMENT SHALL BE COMPACTED TO AT LEAST 95% STANDARD PROCTOR DENSITY.
14. SANITARY SEWER LATERALS SHOULD BE MARKED WITH 4"x4" POST WITH MIN. 4-FEET ABOVE GROUND. THE TOP 1' SHOULD BE PAINTED GREEN. EACH LATERAL IS TO BE BROUGHT TO THE GROUND SURFACE IN ACCORDANCE WITH FULTON COUNTY STANDARD 909.
15. ALL REQUIRED OFF SITE EASEMENTS SHALL BE DEDICATED TO FULTON COUNTY PRIOR TO UTILITY PERMITTING. ALL PUBLIC ON-SITE EASEMENTS FOR OTHER THAN SINGLE FAMILY RESIDENTIAL PROJECTS THAT WILL BE FINAL PLATTED SHALL BE DEDICATED TO FULTON COUNTY PRIOR TO WATER RESOURCES PERMIT APPROVAL.
16. FOR ALL PROJECTS CONTAINING PVC WASTEWATER PIPES, ALSO INCLUDE THE FOLLOWING NOTES: (SEE ATTACHED CONDITION FOR PVC).
   a. PIPE SHALL BE ASTM D3034, SDR35 IN 12.5 FOOT LAYING LENGTHS WITH ELASTOMERIC SEALED JOINTS IN ACCORDANCE WITH ASTM D3212.
   b. PIPE BEDDING SHALL BE #57, SHARP, ANGULAR, CRUSHED STONE. BEDDING SHALL EXTEND A MINIMUM OF 4" BELOW THE PIPE AND EXTEND TO THE TOP OF THE PIPE. THE BEDDING SHALL BE COMPACTED BY "SLICING WITH A FLAT SHOVEL". THE WIDTH OF THE DITCH MUST BE IN ACCORDANCE WITH OSHA SAFETY STANDARDS.
   c. INITIAL BACKFILL: AFTER BEDDING, COMPLETE INITIAL BACKFILL WITH #57 STONE. IF NO ROCK IS ENCOUNTERED, INITIAL BACKFILL SHALL EXTEND TO A HEIGHT 6" ABOVE THE TOP OF THE PIPE, OTHERWISE INITIAL BACKFILL SHALL EXTEND TO 12" ABOVE THE TOP OF THE PIPE.
   d. FITTING FOR LATERAL CONNECTIONS SHALL BE 45° WYES AND BENDS. PROVIDE PVC PIPE STOPPERS FOR EACH LATERAL. PROVIDE SPECIAL WATERTIGHT CONNECTIONS AT MANHOLES AND TRANSITIONS TO DUCTILE IRON PIPE AS RECOMMENDED BY THE PIPE MANUFACTURER.
   e. AFTER INSTALLATION, A DEFLECTION TEST IS REQUIRED. INITIAL DEFLECTION SHALL BE LIMITED TO 3% OF THE UNDEFLECTED DIAMETER. A SECOND TEST SHALL BE MADE AT LEAST 8 MONTHS AFTER THE INSTALLATION BUT BEFORE FINAL ACCEPTANCE. AT THAT TIME DEFLECTION SHALL BE LIMITED TO 5% OF THE UNDEFLECTED DIAMETER.
17. PLEASE ADD THE FOLLOWING NOTES TO CONSTRUCTION PLANS: ALL MANHOLES LOCATED WITHIN A PAVED AREA SHALL HAVE CONCENTRIC CONE SECTIONS AND FLANGE DOWN FRAMES AND COVERS. ALL MANHOLES LOCATED WITHIN UNPAVED AREA SHALL HAVE ECCENTRIC CONE SECTIONS WITH BOLT DOWN FLANGE UP FRAME AND COVERS, OR HINGED CAST IN PLACE LOCKABLE COVERS. ALL MANHOLES LOCATED WITHIN A FLOOD PRONE AREA SHALL HAVE ECCENTRIC CONE SECTIONS WITH BOLT DOWN GASKETED FLANGE UP FRAME AND COVERS. RAISE TOP OF MANHOLES IN LANDSCAPED AREAS TO 0.5-FEET ABOVE GRADE.
18. NOTIFY FULTON COUNTY INSPECTOR 48 HOURS PRIOR TO CONSTRUCTION.

FULTON COUNTY UTILITY NOTES

- NO TREES SHALL BE PLANTED IN UTILITY EASEMENTS OR WITHIN 5-FEET OF ANY UTILITIES LINES.
- CONTRACTOR IS TO CUT AND REMOVE THE PIPE ONLY UPON FINAL APPROVAL BY THE FULTON COUNTY INSPECTOR.
- ALL WASTEWATER LINES AND LATERALS WITH LESS THAN ONE-FOOT OF CLEARANCE TO ANOTHER UTILITY LINE SHALL BE CONSTRUCTED WITH A CONCRETE SADDLE TO MAINTAIN SEPARATION.

SEWER DEMAND CALCULATIONS

SEWER DEMAND CALCULATION SUMMARY:

DESIGN FULL TIME EQUIVALENT (FTE) = 1750 (STUDENTS + STAFF)

SEWER LOADING FACTOR (GYM W/ SHOWERS) = 20 GAL/PERSON/DAY

SEWER LOAD = 1750 PERSONS X 20 GAL/PER/DAY = 35,000 GAL/DAY

CITY OF ATLANTA PROJECT # TBD
FULTON COUNTY PROJECT # TBD

ALL NEW SEWER MANHOLES IN LANDSCAPED OR PAVED AREAS ON C500 SHALL BE PER FULTON COUNTY CONSTRUCTION DETAILS ON SHEET C112.

24-HR CONTACT INFORMATION

CHAD A. WORD
FULTON COUNTY SCHOOLS
OWNER'S REPRESENTATIVE
470-254-3355

SCALE: 1"=40'-0"

DO NOT DUPLICATE DRAWINGS WITHOUT WRITTEN PERMISSION

CAUTION

THE UTILITIES SHOWN ARE SHOWN FOR THE CONTRACTOR'S CONVENIENCE ONLY. THERE MAY BE OTHER UTILITIES NOT SHOWN ON THESE PLANS. THE DESIGN PROFESSIONAL ASSUMES NO RESPONSIBILITY FOR THE LOCATIONS SHOWN AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATIONS OF UTILITIES WITHIN THE LIMITS OF THE WORK. DAMAGE TO EXISTING UTILITIES BY THE CONTRACTOR, FROM HIS/ HER OPERATIONS, SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

811 Know what's below. Call before you dig. Dial 811 Or Call 800-282-7411

CONTRACTOR SHALL BE RESPONSIBLE TO SECURE THE SERVICES OF A PRIVATE UTILITY LOCATOR FIRM DURING THE ENTIRE COURSE OF CONSTRUCTION. CONTRACTOR SHALL PAY FOR SAID SERVICES. CONTRACTOR SHALL IMMEDIATELY REPAIR ALL UTILITIES DAMAGED BY CONSTRUCTION ACTIVITIES, AT NO ADDITIONAL COST TO THE OWNER.

CONTRACTOR SHALL BE RESPONSIBLE FOR COMPACTION OF BACKFILL OF ALL UTILITY TRENCHES WITHIN SITE WORK LIMITS. THIS INCLUDES TRENCHES DUG AND BACKFILLED BY LOCAL UTILITIES, SUCH AS POWER, GAS, TELEPHONE, ETC. CONTRACTOR SHALL PROVIDE ADDITIONAL BACKFILL AND COMPACTION AS NECESSARY, IF SETTLEMENT OCCURS.

CHAPMAN GRIFFIN LANIER SUSSENBACH ARCHITECTS
400 Galleria Pkwy . Suite 100 . Atlanta, Ga 30339 . Phone: 404.733.5493

Architecture
Planning
Facilitation Design

CGLS ARCHITECTS
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RELEASED FOR CONSTRUCTION

CONSULTANT

BREEDLOVE LAND PLANNING
Landscape Architects • Civil Engineers
www.landplanning.net
BLP PROJECT # 18032

SEAL

GEORGIA REGISTERED No. PE035701 PROFESSIONAL ENGINEER KYLE WATSON WEBB
11/01/2018

DATE	NO.	DESCRIPTION
03/28/18		GDOE PRELIMINARY SUBMITTAL / DESIGN DEVELOPMENT
06/19/18		50% CONSTRUCTION DOCUMENTS
09/17/18		GDOE CHECK SET/ PERMIT SET
10/10/18		FINAL GDOE SUBMITTAL
11/01/18		ISSUED FOR PROPOSALS

DOE FACILITY CODE 660 -3066
RIVERWOOD HIGH SCHOOL - PHASE 3-8
AUDITORIUM/GYMNASIUM ADDITION
5900 RAIDER DRIVE NW SANDY SPRINGS, GA 30328
FULTON COUNTY SCHOOLS RFP NO. 411-19

SHEET TITLE
UTILITY PLAN (EAST)

PROJECT NO. 16015.02

DATE: 09.17.18

DRAWN BY: KWW
CHECKED BY: HOB

SHEET NO.
C-500

8/28/2017 10:06:37 AM