GENERAL NOTES

1. CONTRACTOR TO VERIFY ALL SITE CONDITIONS, BUILDING LOCATIONS, AND DIMENSIONS PRIOR TO CONSTRUCTION.
2. MATERIALS SHALL BE NEW AND U.L. LISTED.
3. NO WORK SHALL BE CONCEALED UNTIL APPROVED BY DESIGNER.
4. CONSTRUCTION SHALL COMPLY WITH ALL STATE, AND LOCAL CODES.
5. CONTRACTOR TO GUARANTEE WORK FOR ONE YEAR.
6. CONTRACTOR MAY FURNISH WATER AND POWER FROM EXISTING SOURCES.
7. PROVIDE CLEANUP ON A REGULAR BASIS. NO TRASH CAN BE STORED INSIDE THE SECURED CAMPUS OVERNIGHT.
8. ALL WORK SHALL COMPLY WITH THE LATEST EDITION OF ALL STATE, AND NATIONAL CODES COVERING THE TYPE OF WORK BEING PERFORMED.
9. CONTRACTOR SHALL INSTALL A NEW 2-WAY CLEAN-OUT WITHIN 5FT OF BLDG FOR EACH GRAVITY SEWER LATERAL AND INSTALL NEW PVC LATERALS TO SEWER MAIN. EACH GRAVITY SEWER LATERAL SHALL INCLUDE A CLEAN-OUT WHEN THE PIPE CHANGES DIRECTION; NOT MORE THAN EVERY 50FT FOR 3" OR LESS PIPING OR 80FT FOR 4" THROUGH 6" PIPING.
10. CONTRACTOR SHALL CLOSE OPEN ENDS OF ABANDONED UNDERGROUND PIPING. TO CLOSE PVC PIPING USE A PVC END CAP AND FOR VCP PIPING USE A CONCRETE MORTAR MIX TO COMPLETELY SEAL THE END.
11. CONTRACTOR SHALL PROVIDE EXCAVATION SUPPORT AND PROTECTION SYSTEMS CAPABLE OF SUPPORTING EXCAVATION SIDEWALLS, RESISTING EARTH AND HYRDROSTATIC PRESSURES AND SUPERIMPOSED LOADS.
12. THE CONTRACTOR SHALL PERFORM ALL OF THE WORK IN ACCORDANCE WITH APPLICABLE OSHA STANDARDS. EMPHASIS SHALL BE PLACED UPON THE REQUIREMENTS FOR ENTERING CONFINED SPACES AND WITH THE EQUIPMENT BEING UTILIZED FOR MANHOLE RENEWAL COMPONENTS. ALL ENTRIES INTO OR WORK WITHIN CONFINED SPACES SHALL BE CONDUCTED IN ACCORDANCE WITH THE U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES/NATIONAL INSTITUTE FOR OCCUPATIONAL SAFETY AND HEALTH [DHHS (NIOSH)] PUBLICATION NO. 87-113, A GUIDE TO SAFETY IN CONFINED SPACES.
13. ANY WORK WITHIN THE ROADWAY OR ADJACENT TO THE ROADWAY CAUSING AN INTERFERENCE TO VEHICULAR TRAFFIC REQUIRES PRIOR NOTIFICATION TO THE PARISH OR CITY TRAFFIC ENGINEERING DIVISION, AND MUST CONFORM TO THE REQUIREMENTS SET FORTH BY THE UNIFORM MANUAL OF TRAFFIC CONTROL DEVICES OF THE STATE OF LOUISIANA. THE CONTRACTOR MUST FURNISH ALL NECESSARY TRAFFIC SIGNS AND/OR BARRICADES AND MAINTAIN THEM DURING CONSTRUCTION ACTIVITY.

BY-PASS PUMPING NOTES:

THE CONTRACTOR SHALL PROVIDE FOR THE FLOW OF EXISTING MAINLINE AND SERVICE CONNECTION EFFLUENT AROUND THE SECTION OR SECTIONS OF PIPE DESIGNATED FOR CIPP INSTALLATION. SERVICE CONNECTION EFFLUENT MAY BE PLUGGED ONLY AFTER PROPER NOTIFICATION TO BCCY PERSONNEL CONCERNING WHICH BUILDINGS WILL BE AFFECTED; NO SERVICE LATERAL IS TO REMAIN PLUGGED OVERNIGHT. THE FOLLOWING BUILDINGS SHALL NOT HAVE SERVICE INTERUPTIONS FOR MORE THAN 2 HOURS: BUILDINGS 04 & 05 (BLDG K), 14 & 15 (BUILDING J) AND 18 (INFIRMARY). THESE BUILDINGS SHALL HAVE BY-PASS PUMPING INSTALLED DURING ANY SEWER OUTAGE THAT WOULD AFFECT THESE BUILDINGS. THE CONTRACTOR SHALL COORDINATE SEWER BYPASS AND FLOW INTERRUPTIONS WITH THE OWNER AT LEAST 14 DAYS IN ADVANCE. THE PUMP AND BYPASS LINES SHALL BE OF ADEQUATE CAPACITY AND SIZE TO HANDLE PEAK FLOWS.

TREE PRESERVATION NOTES:

1. CARE SHALL BE TAKEN TO PRESERVE THE TREE ROOT SYSTEM(S). IN THE EVENT THAT ROOT(S) ARE IMPACTED, CARE SHALL BE TAKEN TO MINIMIZE THE IMPACT TO THE ROOT SYSTEM. THE CRITICAL ROOT ZONE (CRZ) OF EACH TREE SHALL BE DETERMINED BY THE DESIGNER. TREE PROTECTION FENCING SHALL BE PLACED AT THE EXTENT OF THE CRZ.
   A. LIMIT CONSTRUCTION ACCESS BY PLACING TEMPORARY TREE PROTECTION FENCING AROUND ALL TREES. FENCE LOCATION SHALL BE INSPECTED REGULARLY TO MAINTAIN INTEGRITY OF PROTECTION.
   B. FENCING SHALL BE PLACED AS FAR OUT FROM THE TREE TRUNK AS POSSIBLE.

2. IN AREAS WHERE CONSTRUCTION ACCESS IS REQUIRED, THE NATURAL GRADE CAN BE PROTECTED FROM COMPACTION BY PLACING A BLANKET OF MULCH 6 - 12" DEEP UNDER ¾" PLYWOOD OVER NATURAL GRADE. THIS SHALL BE REMOVED BY HAND, USING NO EQUIPMENT AFTER THE PROJECT IS COMPLETED.
   A. ANY WORK, EXCAVATION OR GRADING REQUIRED WITHIN THE PROTECTED ROOT ZONE AREAS SHOULD BE LIMITED TO 3" CUT OR FILL, WITH NO ROOTS OVER ¾" IN DIAMETER BEING CUT.

3. WHEN EXCAVATING WITH A BACKHOE OR TRENCHER IN TREE ROOT ZONE AREAS IS UNAVOIDABLE, PRUNE ANY RIPPED ROOTS IN THE TRENCH BETWEEN THE DIG SITE AND THE TREE TRUNK. PRUNING SHALL TAKE PLACE WITH A CHAIN SAW, LOPPERS, HAND SAW, ETC. THE CUT SHOULD TAKE PLACE BEHIND THE RIPPED AREA TO THE EXTENT POSSIBLE. (DEPTH OF TRENCH SHALL BE LIMITED TO THE DEPTH OF THE REQUIRED EXCAVATION FOR INSTALLATION OF THE UTILITY). KEEP HEAVY EQUIPMENT OFF OF THE AREA BETWEEN THE TRENCH AND TRUNK OF THE TREE. WORK FROM THE OUTSIDE MOST AREA OF THE TREE, RATHER THAN SETTING UP EQUIPMENT BETWEEN THE PROPOSED DIGGING SITE AND THE TRUNK OF THE TREE.

SITE ACCESS AND PROCEDURES

1. CONTRACTOR SHALL UTILIZE THE STAGING AREAS FOR SITE ACCESS THROUGH PERIMETER SECURITY FENCING, FOR STORAGE OF MATERIALS AND EQUIPMENT.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR SECURING ALL STORED ITEMS, EQUIPMENT, ETC., WITHIN STAGING AREA(S) AND BE FULLY INSURED FOR ANY LOSS.
3. CONTRACTOR SHALL COORDINATE AND SCHEDULE ALL LARGE TRUCKS AND/OR EQUIPMENT ACCESSING THE SITE THROUGH DELIVERY SALLY PORT WITH THE OWNER'S SECURITY GUARDS. SECURITY GUARDS ARE REQUIRED TO BE AT GATE FOR ALL DELIVERIES AND THE TRANSFER OF WORKERS, TOOLS AND MATERIALS, ETC. NO MOTORIZED VEHICLE MAY BE LEFT WITHIN THE SECURE PERIMETER UNATTENDED AT ANY TIME.
4. NO VEHICLE PARKING EXCEPT FOR REQUIRED CONSTRUCTION EQUIPMENT, IS ALLOWED WITHIN THE PERIMETER OF THE SECURITY FENCE, COORDINATE WITH OWNER. FOR ANY MOTORIZED VEHICLE WITHIN THE SECURE PERIMETER, SOMEONE SHALL STAY WITH THE VEHICLE AT ALL TIMES (NOT JUST HAVE KEYS ON THEIR PERSON).
5. NO CONTRACTOR, OR CONTRACTOR'S EMPLOYEES, WILL BE ALLOWED TO PARK IN THE STAFF OR VISITOR PARKING LOTS. CONTRACTOR AND CONTRACTOR'S EMPLOYEES PARKING WILL BE ALLOWED ADJACENT TO STAGING AREAS, AT LOCATIONS SUBJECT TO OWNER'S APPROVAL.
6. CONTRACTOR AND CONTRACTOR'S EMPLOYEES SHALL BE ALLOWED ACCESS TO THE SITE BY MEANS OF AN EXISTING DRIVE, THROUGH A GATE MANNED BY BCCY PERSONNEL. INGRESS AND EGRESS OF VEHICLES SHALL BE COORDINATED WITH FACILITY.
7. ALL CONTRACTOR AND SUB-CONTRACTOR EMPLOYEES ENTERING THE BCCY SITE WILL BE SUBJECT TO, AND MUST PASS, AN NCIC BACKGROUND CHECK PRIOR TO GAINING ACCESS TO THE SECURE GROUNDS. PERSONNEL INFORMATION MUST BE SUBMITTED FIVE WORKING DAYS IN ADVANCE, AS BACKGROUND CHECK AND APPROVAL CAN NOT BE GRANTED IMMEDIATELY.

PHASING AND SEQUENCE OF WORK

1. PROPER PHASING AND SEQUENCE OF THE WORK IS OF UTMOST IMPORTANCE TO THE SUCCESS OF THE CONSTRUCTION PHASE AND IS THE CONTRACTOR'S RESPONSIBILITY. CONTINUOUS OPERATION OF THE FACILITY IS A MANDATORY REQUIREMENT IN ESTABLISHING SUCH PHASING, WITH SAFETY OF STAFF, RESIDENTS AND VISITORS TO THE FACILITY, AND MAINTAINING A SECURE PERIMETER FENCE THROUGHOUT THE CONSTRUCTION PERIOD ARE ALSO REQUIRED.
2. CONTRACTOR SHALL ADHERE TO THE REQUIREMENTS OF THE PERMIT ISSUED BY THE SOUTHEAST LOUISIANA FLOOD PROTECTION AUTHORITY - WEST (WEST JEFFERSON LEVEE DISTRICT), AND DETERMINE THE CURRENT FLOOD STAGE OF THE MISSISSIPPI RIVER BEFORE PERFORMING ANY AND ALL EXCAVATION(S).
3. CONTRACTOR SHALL NOTIFY BCCY PERSONNEL IN ADVANCE OF INITIATING OR COMPLETING A PHASE OF WORK TO ALLOW FOR PROPER PLANNING, SCHEDULING AND PLACEMENT OF EQUIPMENT AND RESOURCES, FENCING, BARRIERS, ETC. INCLUDING ANY TRANSITION PERIODS.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR INCLUDING ALL COSTS ASSOCIATED WITH PHASING OR SEQUENCE OF THE WORK. CONTRACTOR TO FINALIZE DETAILS OF SCHEDULING PRIOR TO START OF PROJECT AND REVIEW WITH BCCY AND ENGINEER.
5. PHASING OF WORK:
   - ALL BUILDINGS INDICATED IN THE BY-PASS PUMPING NOTES ARE TO HAVE CONTINUOUS SEWAGE SYSTEM SERVICE THROUGHOUT THE DURATION OF THE PROJECT.
   - CONTRACTOR TO COORDINATE WITH BCCY TO DETERMINE BUILDINGS NOT REQUIRING CONTINUOUS SERVICE AND OTHERWISE SCHEDULE SEWAGE SYSTEM OUTAGES NOT REQUIRING BYPASS PUMPING.
   - CONTRACTOR TO DETERMINE EXTENT, DURATION AND TIMING OF SEWAGE SYSTEM SECTIONS TO BE BYPASS PUMPED.

REPAIR NOTES:

1. CONTRACTOR SHALL INSTALL MANHOLE COVER ADJUSTMENT RING(S) TO ELEVATE THE COVER ABOVE GRADE (SECTION 22 13 13 PARA 2.17E) SEE DETAIL 2 ON DRAWING C4:

   A. MH-15 B. MH-16 C. MH-17 D. MH-18 E. MH-24 F. MH-25

2. CONTRACTOR SHALL CONSTRUCT A 5'X6'X6" CONCRETE PAD AROUND MH-12, INSTALL MANHOLE COVER ADJUSTMENT RING(S) TO ELEVATE COVER ABOVE NEW GRADE, INSTALL FOUR (4) PIPE BOLLARDS TO PROTECT MANHOLE .(SECTION 03 30 00)

3. CONTRACTOR SHALL REPAIR THE FOLLOWING SECTIONS OF 8" SEWER MAIN:

   A. STARTING FROM MH-19 TO MH-15 @ APPROXIMATELY 59 FT. REMOVE SERVICE LATERAL, REPAIR TAP CONNECTION AND CAP. NOTE: COORDINATE THIS ITEM WITH ITEMS 4A THRU 4D BELOW.
   B. STARTING FROM MH-19 TO MH-15 @ APPROXIMATELY 107 FT. REPAIR CONNECTION AT 8" MAINLINE TAP. NOTE: COORDINATE THIS ITEM WITH ITEMS 4E & 4W BELOW.
   C. STARTING FROM MH-19 TO MH-15 @ APPROXIMATELY 190 FT. REPAIR CONNECTION(S) AT 8" MAINLINE TAP. NOTE: COORDINATE THIS ITEM WITH ITEM 4U BELOW.
   D. STARTING FROM MH-16 TO MH-15 @ APPROXIMATELY 34.8 FT. REPLACE 8" MAINLINE TAP. NOTE: COORDINATE THIS ITEM WITH ITEM 4P BELOW.

4. CONTRACTOR SHALL INSTALL A NEW CLEAN-OUT WITHIN 5FT OF BLDG. FOR EACH LATERAL AND INSTALL NEW PVC SDR-26 PIPE TO SEWER MAIN. EACH LATERAL SHALL HAVE A CLEAN-OUT WHEN THE PIPE CHANGES DIRECTION MORE THAN 45° & NOT MORE THAN EVERY 50FT FOR 3" OR LESS PIPING OR 80FT FOR 4" THROUGH 6" PIPING. CONTRACTOR SHALL SET NEW INVERT(S) TO ALLOW FOR PROPER FLOW, SLOPE 4" PIPE 1/8" PER FOOT AND 6" PIPE 0.55%.

   A. INSTALL NEW 6" LATERAL TO MH-19, MAKE NEW 6" CONNECTION IN MANHOLE, MAKE APPROPRIATE CONNECTIONS FOR SIDE LATERALS. APPROXIMATE LENGTH 230FT. CONCRETE CUTTING & PATCHING REQUIRED.
   B. INSTALL NEW 4" LATERAL WITH NEW CLEAN-OUT CONNECT TO 4A ABOVE. APPROXIMATE LENGTH 38FT. CONCRETE CUTTING & PATCHING REQUIRED.
   C. INSTALL NEW 4" LATERAL WITH NEW CLEAN-OUT CONNECT TO 4A ABOVE. APPROXIMATE LENGTH 55FT.
   D. INSTALL NEW 6" LATERAL WITH NEW CLEAN-OUTS CONNECT TO 4A ABOVE. APPROXIMATE LENGTH 185FT.
   E. BLDG. 02 REPLACE 6" LATERAL UNDER PATIO SLAB, INSTALL 2-WAY CLEAN-OUT OVER EXISTING TAP. CONCRETE CUTTING & PATCHING REQUIRED. NOTE: COORDINATE THIS ITEM WITH ITEM 3B ABOVE.
   F. INSTALL NEW 6" LATERAL TO MH-15, MAKE NEW 6" CONNECTION IN MANHOLE, MAKE APPROPRIATE CONNECTIONS FOR SIDE LATERALS. APPROXIMATE LENGTH 175FT. CONCRETE CUTTING & PATCHING REQUIRED.
   G. BLDG. 04, INSTALL NEW 4" LATERAL WITH NEW CLEAN-OUT CONNECT TO 4F ABOVE. APPROXIMATE LENGTH 180FT. CONCRETE CUTTING & PATCHING REQUIRED.
   H. BLDG. 04 & 05, INSTALL NEW 4" LATERAL WITH NEW CLEAN-OUTS. CONCRETE CUTTING & PATCHING REQUIRED.
   J. BLDG. 05, INSTALL NEW 4" LATERAL WITH NEW CLEAN-OUT CONNECT TO 4F ABOVE. APPROXIMATE LENGTH 180FT. CONCRETE CUTTING & PATCHING REQUIRED.
   K. INSTALL NEW 6" LATERAL TO MH-25, MAKE NEW 6" CONNECTION IN MANHOLE, MAKE APPROPRIATE CONNECTIONS FOR SIDE LATERALS. APPROXIMATE LENGTH 100FT.
   L. BLDG. 06, INSTALL NEW 4" LATERAL WITH NEW CLEAN-OUT CONNECT TO 4K ABOVE. APPROXIMATE LENGTH 94FT.
   M. BLDG 07 & 08, INSTALL NEW 4" LATERAL WITH NEW CLEAN-OUT CONNECT TO 4K ABOVE. APPROXIMATE LENGTH 10 FT EACH.
   N. BLDG. 09, LOCATE THE EXISTING LATERAL AND INSTALL NEW CLEAN-OUT WITHIN 5FT OF BLDG. HYDRO-JET EXISTING LATERAL TO MAIN, THEN VIDEO THE LATERAL (SECTION 22 01 10.16). CONCRETE CUTTING & PATCHING REQUIRED.
   O. BLDG. 10, LOCATE THE EXISTING LATERAL AND INSTALL NEW CLEAN-OUT WITHIN 5FT OF BLDG. HYDRO-JET EXISTING LATERAL TO MAIN, THEN VIDEO THE LATERAL (SECTION 22 01 10.16). CONCRETE CUTTING & PATCHING REQUIRED.
   P. BLDG. 11, LOCATE THE EXISTING LATERAL AND INSTALL NEW CLEAN-OUT WITHIN 5FT OF BLDG. HYDRO-JET EXISTING LATERAL TO MAIN, THEN VIDEO THE LATERAL (SECTION 22 01 10.16). NOTE: COORDINATE ITEM 3D ABOVE WITH THESE REPAIRS.
   Q. BLDG 12, INSTALL NEW 4" LATERAL TO EXISTING TAP IN MAIN. APPROXIMATE LENGTH 80FT.
   R. BLDG 13, INSTALL NEW 6" LATERAL TO MH-12, APPROXIMATE LENGTH 285FT. RELOCATE EXISTING GREASE TRAP WITHIN 20FT OF BLDG 13 AND CONNECT GREASE TRAP OUTFALL TO NEW 6" LATERAL, APPROXIMATE LENGTH 30FT. INSTALL CLEAN-OUTS AND VENTS BEFORE AND AFTER GREASE TRAP. CONNECT BLDG 13 EXISTING SANITARY SEWER TO NEW 6" LATERAL, APPROXIMATE LENGTH 30FT
   S. BLDG 14, INSTALL NEW 4" LATERAL TO EXISTING TAP IN MAIN. APPROXIMATE LENGTH 100FT. CONCRETE CUTTING & PATCHING REQUIRED.
   T. BLDG 14 & 15, INSTALL NEW 4" LATERALS TO MH-15. APPROXIMATE LENGTH 100FT. CONCRETE CUTTING & PATCHING REQUIRED.
   U. BLDG 15, INSTALL NEW 4" LATERAL TO EXISTING TAP IN MAIN, REPAIR CONNECTION TO TAP. APPROXIMATE LENGTH 90FT. REPAIR TAP @ MAIN, SEE ITEM 3C ABOVE. CONCRETE CUTTING & PATCHING REQUIRED.
   V. BLDG 18, INSTALL NEW 4" LATERAL TO ITEM 4U ABOVE. APPROXIMATE LENGTH 70FT. CONCRETE CUTTING & PATCHING REQUIRED.
   W. BLDG 18, INSTALL NEW 4" LATERAL TO EXISTING TAP IN MAIN. APPROXIMATE LENGTH 120FT. CONCRETE CUTTING & PATCHING REQUIRED. NOTE: COORDINATE THIS ITEM WITH ITEM 3B ABOVE.
   X. BLDG. 17, INSTALL NEW 4" LATERAL TO ITEM 4W ABOVE. APPROXIMATE LENGTH 60FT. CONCRETE CUTTING & PATCHING REQUIRED. FENCE REPAIR REQUIRED.
   Y. BLDG. 19, INSTALL NEW 4" LATERAL TO ITEM 4W ABOVE. APPROXIMATE LENGTH 35FT. CONCRETE CUTTING & PATCHING REQUIRED. DEMO EXISTING ABOVE GROUND SANITARY SEWER PIPING. FENCE REPAIR REQUIRED.
   Z. BLDG 20, INSTALL NEW 2-WAY CLEAN-OUT IN EXISTING 6" LATERAL.
   AA. BLDG 21, REPLACE 4" LATERAL STARTING FROM THE LOCATION WHERE PIPE IS UNDER BLDG 20 TO MH-19 WITH NEW CLEAN-OUT. THIS LINE HAS MULTIPLE LATERALS CONNECTING INTO LINE. VERIFY PROPER FLOW UNDER BLDG 20 TO MH-19. APPROXIMATE LENGTH 45FT. CONCRETE CUTTING & PATCHING REQUIRED.
   BB. BLDG 21, REPLACE 4" LATERAL FROM CLEAN-OUT TILL LATERAL GOES UNDER BLDG 20. VERIFY PROPER FLOW FROM BEGINNING CLEAN-OUT TO MH-19. APPROXIMATE LENGTH 30FT. NOTE: COORDINATE THIS ITEM WITH ITEM 4Y ABOVE.
   CC. BLDG 21 WASHING MACHINE TROUGH, HYDRO-JET EXISTING 8" LATERAL TO MH-19, THEN VIDEO THE LATERAL.
   DD. BLDG 27, REPLACE EXISTING 6" LATERAL TO MH-22. APPROXIMATE LENGTH 180FT.

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REVISIONS

#	DESCRIPTION	DATE

SEAL:

SEWER SYSTEM RENOVATION:
PROJECT NUMBERS: 08-403-11-01 PART 1 & 08-403-04B-01, PART 20 & 01-107-06B-11, Part U7

BRIDGE CITY CENTER FOR YOUTH

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JOB No: 2156 DATE: 10/1/2016
DRAWN BY: DPD CHECKED BY: BAM

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SHEET TITLE:
NOTES

DRAWING NUMBER:
C-2

SHEET No: 3 of 5