

GENERAL NOTES:

- PROVIDE TWO SETS OF AS-BUILT DRAWINGS AT COMPLETION OF CONSTRUCTION TO THE OWNER. THE DRAWINGS SHALL INCLUDE ALL CHANGES TO UTILITY CONNECTIONS, REPAIRS OR RELOCATIONS, AND ANY FIELD CHANGES MADE DURING CONSTRUCTION.
- ANY CHANGES OR SUBSTITUTIONS MUST RECEIVE PRIOR APPROVAL FROM THE CO.
- MUD AND DEBRIS SHALL NOT BE ALLOWED TO ACCUMULATE ON ROADWAY.
- MAINTAIN THE INTEGRITY OF ALL EXISTING EQUIPMENT AND SYSTEMS.
- SCHEDULE SYSTEMS SHUTDOWNS WITH COR, PROVIDE 48 HOUR NOTICE SYSTEMS OPERATIONS. DO NOT INTERFERE WITH BUILDING OPERATIONS. MAINTAIN EXISTING SYSTEMS PER COR.
- PROVIDE AND MAINTAIN A SAFE WORK AREA IN ACCORDANCE WITH OSHA GUIDELINES.
- RESTORE ALL DISTURBED AREAS TO EQUAL OR BETTER THAN PRE-PROJECT CONDITION.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROTECT EXISTING FEATURES. DAMAGED FEATURES SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
- ANY CONTRACTOR PERFORMING WORK IN A CONFINED SPACE (I.E. VAULTS) MUST CERTIFY THAT THEY HAVE THEIR OWN CONFINED SPACE ENTRY PROGRAM THAT MEET OR EXCEEDS OSHA'S REGULATIONS. THE CONTRACTOR'S CONFINED SPACE ENTRY PROGRAM SHALL BE APPROVED BY THE SAFETY OFFICER.
- THE CONTRACTOR AND SUBCONTRACTORS SHALL BE SOLELY RESPONSIBLE FOR COMPLYING WITH ALL FEDERAL, STATE, AND LOCAL SAFETY REQUIREMENTS, TOGETHER WITH EXISTING PRECAUTIONS AT ALL TIMES FOR THE PROTECTION OF PERSONS (INCLUDING EMPLOYEES) AND PROPERTY. THE CONTRACTOR SHALL COMPLY WITH THE OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970 (OSHA) AND ALL REGULATIONS THEREUNDER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INITIATE, MAINTAIN, AND SUPERVISE ALL SAFETY REQUIREMENTS, PRECAUTIONS, AND PROGRAMS IN CONNECTION WITH THE WORK.
- CONTRACTOR SHALL BE RESPONSIBLE FOR EXERCISING REASONABLE CARE IN OPERATING EQUIPMENT IN THE VICINITY OF UTILITIES. WHEN OPERATING AT GROUND LEVEL, OR BURIED, AND SHALL SLOW AND HOLD HARMSLESS TOXICALLY ENGINEERING, P.L.C. THE OWNER, AND ANY OF THEIR DESIGNATED AGENTS FROM AND AGAINST ANY AND ALL CLAIMS AND DAMAGES OF ANY KIND OF INJURY TO, OR DEATH TO, ANY PERSON OR PERSONS AND FROM DAMAGE TO OR LOSS OF PROPERTY, OPERATIONS, OR REVENUE, OR THE NEGOTIANCE OF CONTRACTORS' OPERATIONS.
- THE CONTRACTOR SHALL PROVIDE NECESSARY HEALTH AND SAFETY TRAINING FOR ALL OF THE CONTRACTOR'S ON-SITE PERSONNEL.
- THE CONTRACTOR SHALL HAVE A HEALTH AND SAFETY PLAN (HASP) WHICH DESCRIBES THE WORK BEING UNDERTAKEN, THE RISKS INVOLVED IN PERFORMING THE REQUIRED TASKS, THE MEASURES BEING TAKEN TO MITIGATE THE RISKS/HAZARDS, AND EMERGENCY RESPONSE PLANS. THE FOLLOWING TOPICS MUST BE COVERED IN THE CONTRACTOR'S HASP AT A MINIMUM:
 - GENERAL SAFETY AND HEALTH POLICY STATEMENT
 - SITE AUTHORITIES AND ADDITIONAL EMERGENCY CONTACT NUMBERS
 - SPECIFIC TASK JOB SAFETY ANALYSIS (JSA) FOR ALL WORK TASKS
 - DESIGNATED EMERGENCY MEETING LOCATION
 - DESIGNATED EMERGENCY MEETING LOCATION
 - KICK-OFF MEETING MEETING LOCATION (APPLICABLE TO BE CONDUCTED DAILY)
 - SHUT-OFF LINES (ALL ON-SITE REQUIRED TO SIGN DAILY)
- THE CONTRACTOR SHALL AT ALL TIMES MEET ALL SAFETY REQUIREMENTS SET FORTH IN THEIR HEALTH & SAFETY PLAN (HASP) FOR THE SITE. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR CONDITIONS AT THE SITE, INCLUDING SAFETY OF ALL PERSONNEL AND PROPERTY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL APPLICATIONS AND NOT BE LIMITED TO NORMAL WORKING HOURS. THE CONTRACTOR SHALL COMPLY WITH THE CONSTRUCTION SAFETY COMMISSION, GENERAL SAFETY RULES AND REGULATIONS FOR THE CONSTRUCTION INDUSTRY - 29 CFR 1926 AND APPROPRIATE PROTECTIVE CLOTHING, HARD HATS, ETC., AS REQUIRED BY LAW.
- IN ACCORDANCE WITH GENERALLY ACCEPTED PRACTICES, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MATTERS RELATING TO THE HEALTH AND SAFETY OF ITS PERSONNEL AND EQUIPMENT AND THE PUBLIC IN PERFORMANCE OF THE WORK. THIS INCLUDES RECOGNITION OF THE PUBLIC WORK AND INCLUDES COMPLIANCE WITH THE MINIMUM REQUIREMENTS OF THE HEALTH AND SAFETY PLAN IN FORCE FOR THE WORK, IF APPLICABLE. IT IS UNDERSTOOD THAT PROTECTIVE MEASURES SPECIFIED IN ANY HEALTH AND SAFETY PLAN ARE MINIMUM REQUIREMENTS FOR THE WORK.
- CONTRACTOR WARRANTS WHEN REQUIRED BY A PROJECT THAT ALL ITS EMPLOYEES PERFORM WORK ON SAID PROJECT ARE FEMINATED TO ENGAGE IN HAZARDOUS WASTE OPERATIONS THAT COULD EXPOSE THEM TO HAZARDOUS SUBSTANCES, SAFETY OR HEALTH HAZARDS, AND SHALL PROVIDE EVIDENCE PRIOR TO COMMENCING WORK THAT ALL WORKERS HAVE OBTAINED THE NECESSARY TRAINING AND MEDICAL SURVEILLANCE AS REQUIRED BY OSHA 1910.120.
- ALL REQUIREMENTS DESCRIBED WITHIN THE GENERAL NOTES SECTION AND CONTRACT DOCUMENTS UNLESS OTHERWISE INDICATED SHALL BE CONSIDERED INDIVIDUAL TO THE PROJECT WITH AN ASSIGNED PERCENTILE ITEM AND NO ADDITIONAL COMPENSATION TO BE AWARDED TO THE CONTRACTOR.
- THESE PLANS HAVE BEEN PREPARED USING THE MOST ACQUAIRE INFORMATION AND DATA AVAILABLE AT THE TIME OF PREPARATION. WORK AREA CONDITIONS MAY BE ENCOUNTERED DURING CONSTRUCTION WHICH VARY FROM THOSE DEPICTED IN THESE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY REFERENCES AND A PRECISE CONSTRUCTION DOCUMENTS MODIFICATIONS TO THE IMPROVEMENTS AS SHOWN MAY BE REQUIRED BASED ON WORK AREA CONDITIONS AT THE TIME OF CONSTRUCTION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE COR.
- ALL INSPECTIONS/SITE ASSESSMENTS MUST BE PERFORMED BY A QUALIFIED PROFESSIONAL.
- THE CONSTRUCTION STAGING AREA SHALL BE LOCATED AS DIRECTED BY THE COR. DETERMINE DESIRED SIZE TO YAMC AND COORDINATE WITH THE COR TO DETERMINE THE FINAL LOCATION OF CONSTRUCTION STAGING AREA WITH THE TEMPORARY CHAIN LINK FENCE WITH GATE AND LOCK.

GENERAL NOTES:

- THE CONTRACTOR WILL BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, PROCEDURES, AND/OR TECHNIQUES.
- THE CONTRACTOR SHALL BE THOROUGHLY FAMILIAR WITH SECTION 111, CHAPTER 4 FOR A HEAT STRESS PROGRAM TO BE IMPLEMENTED BY THE CONTRACTOR AND SUB-CONTRACTORS WHILE PERFORMING DUTIES.
- ELECTRICAL LINES AND EQUIPMENT ESSENTIAL TO OPERATION OF THE HOSPITAL MAY NOT BE DE-ENERGIZED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGES TO EXISTING UTILITIES, INFRASTRUCTURE AND PERSONAL INJURIES THAT OCCUR AS A RESULT OF ITS OWN NEGLIGENCE.
- WHERE A CONFLICT MAY EXIST BETWEEN THE SPECIFICATIONS, DRAWINGS AND ACTUAL EXISTING CONDITIONS IT IS THE CONTRACTOR'S RESPONSIBILITY TO SEEK CLARIFICATION FROM THE COR. WHERE A CONFLICT MAY EXIST BETWEEN THE SPECIFICATIONS, DRAWINGS, LIMS OR REGULATIONS, THE MORE STRINGENT REQUIREMENTS APPLY.
- CONTRACTOR SHALL COORDINATE WITH THE COR REGARDING CONSTRUCTION SOUND AND NOISE MEASUREMENT AND MITIGATION. WORK IS EXPECTED TO BE PERFORMED DURING NORMAL BUSINESS HOURS, HOWEVER IF VIBRATION AND/OR NOISE BECOMES EXCESSIVE, THE CONTRACTOR SHALL BE RESPONSIBLE FOR MITIGATING THE NOISE PROXIMATE TO THE AFFECTED OCCUPIED AREAS. WORK TO TAKE PLACE IN THESE AREAS PERFORMED DURING OFF HOURS OF OPERATION.
- CONTRACTOR IS RESPONSIBLE FOR ALL REQUIRED LAYOUTS TO COMPLETE THIS PROJECT.
- SHOULD PUMPING BE ENCOUNTERED, THE CONTRACTOR SHALL FURNISH AND OPERATE EXCAVATION AREAS. THE EXCAVATION AREAS SHALL BE SUFFICIENTLY DEMATERED SO THAT THE PLACEMENT OF ANY TYPE OF BACKFILL IS MADE ON FIRM, DRY GROUND IN ACCORDANCE WITH THE SPECIFICATIONS.
- WATER, SANITARY SEWER, STORM SEWER, ELECTRIC, COMMUNICATION, STEAM AND GAS LINES DAMAGED DURING CONSTRUCTION SHALL BE IMMEDIATELY REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL CHARGE TO THE OWNER. THE CONTRACTOR SHALL NOT BE PERMITTED TO CONTINUE UNTIL DAMAGED LINE IS REPAIRED.
- COMPACT BACKFILL AND FILL MATERIALS TO COMPLY WITH SPECIFICATIONS.
- REMOVE FROM SITE AND PROPERLY DISPOSE OFF-SITE OF ALL EXCESS EXCAVATED MATERIALS NOT USED ELSEWHERE.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.
- DRAWINGS DO NOT INDICATE ALL EXISTING UTILITIES. BEFORE ALL EXCAVATIONS WITH EXISTING UTILITIES, THE CONTRACTOR'S SPECIFICALLY EXAMINE THE EXISTING LOCATIONS AND/OR ELEVATIONS OF EXISTING UTILITIES AS SHOWN ON THESE PLANS ARE NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE.
- EXISTING UNDERGROUND UTILITIES, SHOWN OR NOT SHOWN IN THESE DRAWINGS, ARE TO BE VERIFIED BY THE CONTRACTOR PRIOR TO COMMENCEMENT OF WORK.
- ALL EXISTING UTILITIES SHALL BE LOCATED BEFORE COMMENCING WORK CONTACT UNDERGROUND UTILITIES LOCATING SERVICE - 811.
- THE CONTRACTOR SHALL OBTAIN THE SERVICES OF AN UNDERGROUND UTILITY LOCATOR TO MARK ALL UTILITIES TO BE EXCAVATED. THE CONTRACTOR SHALL USE GROUND PENETRATING RADAR OR OTHER METHOD APPROVED BY COR.
- THE LOCATION OF UTILITIES AND STRUCTURES SHOWN ARE NOT NECESSARILY CORRECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION OF UTILITIES AND STRUCTURES IN ADVANCE OF CONSTRUCTION AND THE EXCAVATION AND PROTECTION OF UTILITIES ARE THE RESPONSIBILITY OF THE CONTRACTOR. IF DAMAGE IS CAUSED, THE RESULTING CONSTRUCTION DAMAGE OR COSTS.
- SUPPORT ALL UTILITIES EXPOSED BY EXCAVATION.
- PROVIDE AT LEAST 12" OF VERTICAL SEPARATION AT ALL UTILITY CROSSINGS.
- PRE-EXCAVATE ALL UTILITY CROSSINGS AND CONNECTIONS, NOTIFY THE COR PRIOR TO EXCAVATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR EXCAVATE FROM THOSE SHOWN ON THE DRAWINGS OR WHICH WILL CONFLICT WITH NEW CONSTRUCTIONS.
- WHEN WATER IS KNOWN OR EXPECTED TO BE ENCOUNTERED IN THE TRENCHES AND PITS, PILES OF STEEL OR CONCRETE SHALL BE MAINTAINED AT ALL TIMES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING A BASIS UNTIL, IN SOLE JUDGEMENT OF THE COR, THEIR OPERATION CAN BE SAFELY HALTED. WHEN DEWATERING, CLOSE OBSERVATION SHALL BE MAINTAINED TO DETECT ANY SETTLEMENT OR DISPLACEMENT OF EMBANKMENT, AND FACILITIES.
- COMPACTION AND FILL DENSITY TESTS ARE REQUIRED FOR ALL EARTHWORK, REFER TO SPECIFICATION FOR REQUIREMENTS.
- EXCAVATION AREA(S) SHALL BE ENCLOSED WITH TEMPORARY METAL CHAIN LINK FENCE AT ALL TIMES ACTIVE CONSTRUCTION IS NOT TAKING PLACE.
- ALL EXCAVATION AREAS SHALL BE BACKFILLED OR PROTECTED BY TEMPORARY FENCING OR APPROVED BARRIERS AT THE END OF EACH WORK DAY. CLEAN UP SHALL FOLLOW CLOSELY BEHIND THE EXCAVATION OPERATIONS.
- WHEN ADJACENT ASPHALT OR CONCRETE AREAS ARE DISTURBED AS PART OF THE EXCAVATION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING AND/OR REPAVING OR EXCAVATED AREA. THE PREPARER OF THE DISTURBED AREA SHALL BE SAW CUT FULL DEPTH, SO THAT THE LINES ARE STRAIGHT AND TRUE. ASPHALT SHALL BE COMPACTED TO A SMOOTH SURFACE AND SHALL BE FLUSH WITH THE EXISTING ADJACENT AREA THAT IS TO REMAIN.
- THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR MAINTAINING A SECURE AND SAFE SITE DURING THE ENTIRE PROJECT. BARRIERS AND GATES SUPPLIED BY THE CONTRACTOR SHALL BE SET AND LOCKED TO PROTECT RESPASSERS AND TO SECURE THE WORK ZONE.

GENERAL NOTES:

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONDITION OF ALL WORK PERFORMED WITHIN THE WORK LIMITS FOR A PERIOD OF ONE (1) YEAR FROM THE DATE OF COMPLETION OF THE PROJECT. THE CONTRACTOR SHALL PROVIDE A 3-YEAR WARRANTY ON ALL PARTS.
- ANY MODIFICATION TO THE SPECIFICATIONS OR CHANGES TO THE WORK CONTRACT OR THE DRAWINGS MUST HAVE PRIOR WRITTEN APPROVAL BY THE VA CONTRACT OFFICER.
- THE CONTRACTOR SHALL NOT REMOVE ANY LIGHT POSTS, SIGNS, UTILITY MARKERS, TREES, SHRUBBERY, FENCE OR OTHER OBSTRUCTIONS OUTSIDE OF THE WORK AREA WITHOUT THE PRIOR APPROVAL OF THE COR.
- EXCEPT AS OTHERWISE PROVIDED IN THESE PLANS, FLOW IN EXISTING STORM SEWERS, CULVERTS AND DITCHES SHALL BE MAINTAINED AT ALL TIMES DURING AND AFTER CONSTRUCTION OF THIS PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO THE EXISTING STORM SYSTEM RESULTING FROM THEIR OPERATIONS OR NEGLIGENCE.
- SURFACE DEBRIS SHALL BE PICKED UP AND DISPOSE OF DAILY. ALSO, ALL ASPHALT SURFACES SHALL BE BROOM CLEANED.
- WOOD AND OTHER WASTE SHALL NOT BE BURIED AT THE SITE, BUT SHALL BE REMOVED WITH OTHER DEBRIS.
- DURING CONSTRUCTION AND UNTIL AREAS ARE STABILIZED, MAINTAIN THE SITE AGAINST THE FORCES OF WATER AND WIND EROSION.
- EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IN PLACE BEFORE CONSTRUCTION BEGINS. EROSION AND SEDIMENT CONTROL MEASURES SHALL ALSO BE MAINTAINED THROUGHOUT THE CONSTRUCTION DURATION.
- BEFORE BIDDING PROJECT, CONTRACTOR SHALL VERIFY ALL SITE FEATURES. CONTRACTOR IS RESPONSIBLE FOR RESTORING ALL SITE FEATURES DISTURBED BY PROJECT.
- PRODUCT INSTALLATION SHALL ADHERE TO MANUFACTURER'S RECOMMENDATIONS.
- NOTIFY VA AND "DIG SAFELY FL" BEFORE COMMENCING ANY EXCAVATION.
- ALL TREES SHALL REMAIN UNLESS SPECIFICALLY NOTED OTHERWISE. CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO AVOID DAMAGE TO TREES.
- CONTRACTOR SHALL HAND EXCAVATE IN ALL AREA OF MARKED, DRAWN, OR SUSPECTED EXISTING UNDERGROUND UTILITIES. REPAIR OF UTILITIES DAMAGED BY THE CONTRACTOR SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. WHETHER SUCH REPAIRS ARE PERFORMED BY THE CONTRACTOR, THE UTILITY COMPANY OR OTHERS.
- REPAIR ALL DAMAGE TILES WHETHER OR NOT THEY APPEAR TO BE ACTIVE. REPAIR TILES CROSSING OVER STEEL TRENCHES WITH NON-PERFORMED TILE TO CONDUCT WATER AWAY FROM THE PROPOSED UTILITIES.
- ALL DIMENSIONS ARE APPROXIMATE AND MUST BE VERIFIED BY THE CONTRACTOR AT THE SITE BEFORE STARTING EXCAVATION. NOTIFY COR OF ANY DISCREPANCIES.
- THE CONTRACTOR SHALL APPLY APPROPRIATE MEASURES OF DUST CONTROL TO CONFORM WITH CURRENT LAWS AND ORDINANCES AND TO MINIMIZE DUST MIGRATION TO ADJACENT PROPERTIES.
- THE CONTRACTOR SHALL APPLY APPROPRIATE MEASURES TO AVOID REPAIRING GROUND WATER OR CONTAMINATED SURFACE RUNOFF TO SEWER, CONCRETE, LOCAL, STATE, AND FEDERAL LAWS AND ORDINANCES REGARDING ENVIRONMENTAL PROTECTION.
- THE CONTRACTOR SHALL ASSUME ALL EXISTING UTILITIES FOUND ARE ACTIVE UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION OF UTILITIES WHICH ARE BELIEVED BY THE CONTRACTOR TO BE ABANDONED AND WHICH THE CONTRACTOR DESIRES TO CUT OR REMOVE.
- THE PIPING SHOWN ON PLAN SHEETS ARE DIAGRAMMATICAL AND WILL REQUIRE FIELD MODIFICATION PRIOR TO COMMENCEMENT OF WORK.
- THE FOLLOWING TESTING SHALL BE PERFORMED BY THE CONTRACTOR DURING CONSTRUCTION AND APPROVED BY THE COR. SEE SPECIFICATION SECTIONS 22.14.38, 26.05.11, AND 32.84.00 FOR TESTING DETAILS.
 - OPERATIONAL TEST OF PUMPS, DRIVES AND CONTROL SYSTEMS
 - OPERATIONAL TEST OF PIPING AND CONTROL SYSTEMS
 - HYDROSTATIC TESTING OF IRRIGATION MAINLINE AND LATERAL PIPING
 - OPERATIONAL TESTING OF IRRIGATION REMOTE CONTROL VALVES LATERAL PIPING AND SPRINKLERS
 - DISTRIBUTION UNIFORMITY (DU) TESTING OF TREE LAWN ROTORS, POP UP ROTATING NOZZLES, AND SPRAYS
 - OPERATIONAL TEST OF IRRIGATION SYSTEM GROUNDCING
 - IRRIGATION CONTROL SYSTEM OPERATIONAL TEST
 - IRRIGATION SYSTEM ACCEPTANCE TESTING

CONSULTANTS:

Aqua Engineering Inc.
 275 E. Hershorn Road, Building 2-202
 970.226.8668 office
 970.226.3855 fax
 www.aquaengineering.com



ARCHITECT/ENGINEERS:

TOLMAN ENGINEERING, FL
 510 FARMINGHAM COURT
 OVIEDO, FL 32765
 PHONE: (321) 765-4463
 FAX: (321) 765-4463

Drawing Title
GENERAL NOTES

Project Title
RENOVATE IRRIGATION SYSTEM

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FINAL DESIGN - APPROVED FOR CONSTRUCTION

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