NOTES THAT APPLY TO ALL SHEETS:

1. THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

2. CONTRACTOR RESPONSIBLE TO LOCATE, SIZE, AND TYPE OF EXISTING FORCE MAIN PRIOR TO START CONSTRUCTION.

RELOCATE EXISTING POWER POLE AND ANCHOR (BY WEAKLEY COUNTY ELECTRIC)

EXISTING CONCRETE WETWELL (TO REMAIN)

REMOVE EXISTING BUILDING, ELECTRICAL, PUMPS, PIPING, VALVES, AND FITTINGS

EXISTING WATERWATER LAGOON
DEMOlITION PLAN
FLOOR PLAN
SCALE: 1/4" = 1'-0"

DEMOlITION PLAN
EXISTING CONCRETE FLOOR
SCALE: 1/4" = 1'-0"

DETAILS
EXISTING REINFORCED CONCRETE FLOOR
SCALE: 1/2" = 1'-0"
FLOOR PLAN
PROPOSED REINFORCED CONCRETE FLOOR
SCALE: 1/4" = 1'-0"

PROPOSED REINFORCED CONCRETE FLOOR
SCALE: 1/2" = 1'-0"

CONNECT TO EXISTING CONCRETE FLOOR
SCALE: 1/2" = 1'-0"
ELECTRICAL AND CONTROL

ALL WIRING AND BREAKERS SHALL BE ADEQUATELY SIZE FOR LOAD ACCORDING TO THE NATIONAL ELECTRICAL CODE AND LOCAL CODES. IN NO CASE SHALL THE SIZE BE LESS THAN TWELVE EXCEPT FOR CONTROL CIRCUITS, CONDUIT SHALL CONFORM TO THE FOLLOWING REQUIREMENTS:

1) ALL CONDUIT AND FITTINGS TO BE UL LISTED.
2) LIQUID TIGHT FLEXIBLE METAL CONDUIT TO BE CONSTRUCTED OF SMOOTH, FLEXIBLE GALVANIZED STEEL CORE WITH SMOOTH ABRASION, LIQUID TIGHT POLYVINYL CHLORIDE COVER.
3) CONDUIT TO BE SUPPORTED IN ACCORDANCE WITH ARTICLES 348, 347, AND 350 OF THE NATIONAL ELECTRICAL CODE.
4) CONDUIT SHALL BE SIZED ACCORDING TO THE NATIONAL ELECTRICAL CODE PROVIDE AND INSTALL ISOLATED GROUND RODS.

TECHNICAL DATA

1. CAPACITY PUMP 950 - 1025 GPM
2. TOTAL HEAD 21 - 22 FT.
3. MOTOR SIZE 10 HP
4. POWER 208-230/240V
5. INTERNAL STATION PIPING SIZE 6 INCH
6. LENGTH PROPOSED 6" FORCE MAIN (INCLUDED FITTINGS & VALVE) 120 LF
7. LENGTH EXISTING 10" FORCE MAIN 68 LF
8. LENGTH OF FORCE MAIN TO HIGH POINT 0 LF
9. FRICTION LOSS PROPOSED 6", C=140 7 FT.
10. FRICTION LOSS EXISTING 10", C=140 0,3 FT.
11. VERTICAL HEAD 86 FT.
12. HIGH POINT ELEV. (LAGOON WATER LEVEL) 368.42 FT
13. WET WELL DIAMETER 7.5 FT
14. WET WELL FLOOR ELEV. 355.82 FT
15. TOP OF WET WELL ELEV. 372.42 FT
16. INLET PIPE FL IN ELEV. 361.0 FT
17. MAX. SUCTION LIFT 20 FT
18. STATION HEAD LOSS 2.5 FT
19. VELOCITY-FT. PER SEC. (6-INCH PIPE) 7 FT/SEC
20. PUMP EFFICIENCY 69 %
21. SAFETY FACTOR 1 FT

FLOOR PLAN

PROPOSED PUMP STATION
LAGOON INFUENT PUMP IMPROVEMENTS
2020 COMMUNITY DEVELOPMENT BLOCK GRANT
GREENFIELD, TENNESSEE

Scale: 1/4” = 1'-0"
NOTE
ALL ABOVE GROUND AND EXPOSED FITTINGS SHALL BE FLANGE x FLANGE DUCTILE IRON FITTINGS OTHERWISE NOTED.
SECTION STA 0+29
SCALE: 1" = 5'H
1" = 5'V

SECTION STA 0+37
SCALE: 1" = 5'H
1" = 5'V

RIPRAP TABLE

<table>
<thead>
<tr>
<th>Station  (sq.ft)</th>
<th>Area (sq.ft)</th>
<th>Volume (cu.yd)</th>
<th>Weight (ton)</th>
<th>Weight (cumulative)</th>
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NOTE
ALL RIPRAP SHALL BE PRESSURE GROUTED.

EARTHWORK TABLE

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<th>Station  (sq.ft)</th>
<th>Cut Area (sq.ft)</th>
<th>Cut Volume (cu.yd)</th>
<th>Cut Volume (cumulative)</th>
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