

REGIONAL MAP



LOCAL MAP

SCOPE OF WORK

REMOVAL OF EXISTING PUMP TANK, PUMP AND ASSOCIATED EQUIPMENT AND REPLACEMENT IN KIND

LIST OF DRAWINGS:

- G-1 TITLE SHEET
- C-1 SITE PLAN, PUMP AND PUMP TANK DETAILS
- E-1 ELECTRICAL SITE PLAN, PUMP AND PUMP TANK

APPLICABLE CODE:

NATIONAL ELECTRIC CODE (NFPA 70) 2020 NJAC 5.23-3.16



STATE OF NEW JERSEY

HONORABLE PHILIP D. MURPHY, GOVERNOR HONORABLE TAHESHA WAY, LIEUTENANT GOVERNOR ELIZABETH MAHER MUOIO, STATE TREASURER

NEW JERSEY DOT MAINTENANCE FACILITY SOUTHAMPTON SEPTIC NJDOT PROJECT #T-0686-03

DEPARTMENT OF TRANSPORTATION

FRANCIS K. O'CONNOR, ACTING COMMISSIONER



GANNETT FLEMING, INC. ONE TOWER CENTER BLVD, SUITE 1510, EAST BRUNSWICK, NEW JERSEY 08816 CERTIFICATE OF AUTHORIZATION

BID DRAWINGS MARCH 2024

GENERAL NOTES:

- 1. THE PROPERTY IS KNOWN AS LOT 1.01, BLOCK 2204 AS SHOWN ON THE OFFICIAL TAX MAP OF THE TOWNSHIP OF SOUTHAMPTON, BURLINGTON COUNTY, NEW JERSEY.
- 2. ALL MATERIAL, WORKMANSHIP, AND CONSTRUCTION FOR SITE IMPROVEMENTS SHOWN HEREON, SHALL
- BE IN ACCORDANCE WITH:

 NJ DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" AS CURRENTLY AMENDED:
- CURRENT, PREVAILING MUNICIPAL AND/OR COUNTY SPECIFICATIONS, STANDARDS AND
- REQUIREMENTS:
 CURRENT, PREVAILING UTILITY COMPANY/AUTHORITY SPECIFICATIONS, STANDARDS AND
- 3. EXISTING UTILITY INFORMATION SHOWN HEREON HAS BEEN COLLECTED FROM VARIOUS SOURCES AND IS NOT GUARANTEED AS TO ACCURACY OR COMPLETENESS. THE CONTRACTOR SHALL VERIFY ALL INFORMATION PRIOR TO EXCAVATION.
- 4. THE CONTRACTOR SHALL NOTIFY THE UNDERSIGNED PROFESSIONAL IMMEDIATELY IF ANY FIELD CONDITIONS COULD RENDER THE DESIGN SHOWN HEREON INAPPROPRIATE OR INEFFECTIVE.
- 5. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE SUPPORT, BYPASS PUMPING, AND DEWATERING OF THE EXCAVATED AREAS FOR THE ENTIRETY OF THE CONSTRUCTION PROJECT.
- DEMOLITION AND REMOVAL SHALL INCLUDE

INEER LICENSE NO. 24GE04587900

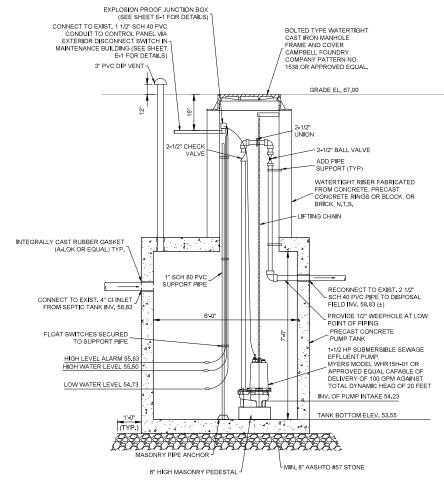
GANNETT FLEMING, INC. 2011

- PRECAST CONCRETE PUMP TANK, VENT, ACCESS MANWAY, AND 8" SUBGRADE. ALL FEATURES WITHIN THE PUMP TANK INCLUDING: PUMP, PIPING/CONDUITS AND SUPPORTS
- CHAINS/RAILS, LEVEL INSTRUMENTS.

 PIPING AND CONNECTIONS AT A DISTANCE OF 3' FROM THE EXTERIOR FACE OF THE PUMP TANK (CONTRACTOR TO PROVIDE CONDUIT AND PIPING EXTENSIONS AS NECESSARY TO CONNECT NEW
- PUMPING EQUIPMENT TO EXISTING FEATURES)
 - 1" = 40'-0'

- 7. THE CONTRACTOR IS TO BE FULLY AWARE OF ANY COMPLY WITH ALL REQUIREMENTS AND SPECIFICATIONS WITHIN THE CURRENT STANDARDS FOR INDIVIDUAL SUBSURFACE SEWAGE DISPOSAL
- 8 THE PLIMP SHALL POSSESS THE FOLLOWING DESIGN CRITERIA:
- THE PUMP SHALL BE CAPABLE OF DELIVERING 100 GPM AGAINST A TOTAL DYNAMIC HEAD OF 20 FEET.
- THE MOTOR SHALL BE 1-1/2 HP.
- ALL EXISTING FEATURES INDICATED TO BE REMOVED BY THE CONTRACTOR ARE TO BE REPLACED IN
 - ALL PIPING TO BE ADEQUATELY SUPPORTED WITHIN THE PUMP TANK (PIPE SUPPORTS NOT SHOWN).

- THE PUMP TANK SHALL POSSESS THE FOLLOWING DESIGN CRITERIA:
 THE PUMP TANK SHALL HAVE CAPACITY OF 1,250 GALLONS (EXCLUDING THE RISER SECTION.
 TANK SHALL BE CERTIFIED BY MANUFACTURER TO BE DESIGNED TO WITHSTAND ALL FORCES TO WHICH TANK WILL BE SUBJECTED WHEN EMPTY AND WHEN FULL.
- 10. REFERENCED PDF DRAWINGS BY MASER SOSINSKI & ASSOCIATES, P.A. AND THE O'CONNOR GROUP ARCHITECTS & PLANNERS, DATED 8/23/96.



PUMP TANK DETAIL SCALE: 1/2" = 1'-0"

GANNETT FLEMING EAST BRUNSWICK, NEW JERSEY

NEW JERSEY DEPARTMENT OF TRANSPORTATION BURLINGTON COUNTY, NEW JERSEY NEW JERSEY DOT MAINTENANCE FACILITY SOUTHAMPTON SEPTIC SYSTEM NJDOT PROJECT #T-0686-03

SITE PLAN, PUMP AND PUMP TANK DETAILS

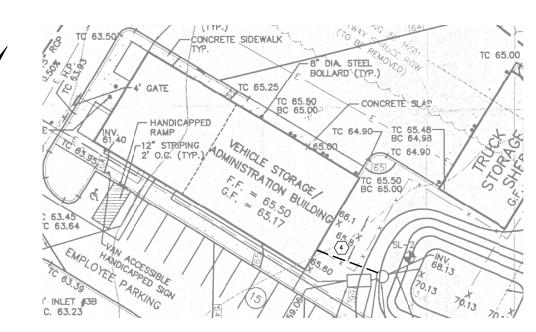
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GANNETT FLEMING, INC. NNE LI FLETTING, THE.
LTGWER SENTER BLVD, SUITE 1510
LT BRUNSWICK NEW JERSEY 08816
PTIFICATE OF AUTHORIZATION NO. 24GA28032500

J.M. L.K. AS NOTED REVISIONS

7. PROVIDE ROUGH GRADING OF THE AREA, RESTORE ALL SURFACES

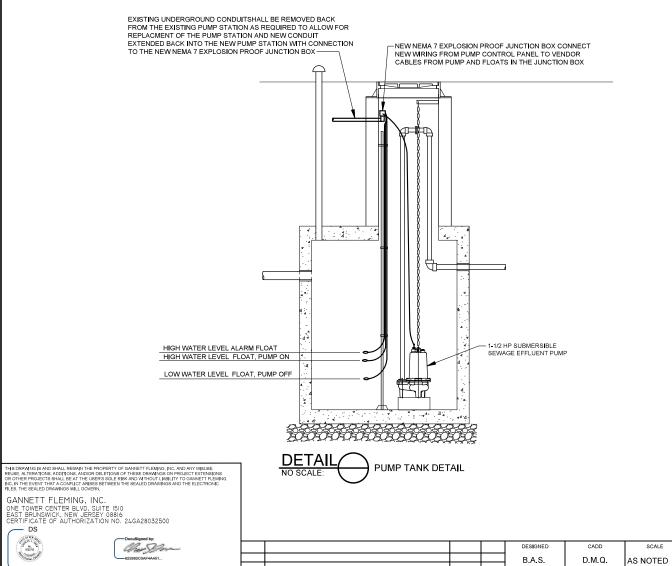


PARTIAL SITE PLAN

20' 10' 0 20' 40'



- (1) EXISTING ELECTRICAL PANEL EMA WITH 20-AMP, 2-POLE BREAKER IN CIRCUIT #35 POSITION THAT SERVES THE EXISTING SEPTIC PUMP. CONDUIT AND POWER CONDUCTORS FROM PANEL EMA TO THE PUMP CONTROL PANEL LOCATION AND THEN TO THE NON-FUSED DISCONNECT SWITCH SHALL REMAIN AND BE REUSED.
- (2) REMOVE AND REPLACE PUMP CONTROL PANEL. NEW PUMP CONTROL PANEL SHALL BE PENTAIR MYERS CE-219, 208V SINGLE-PHASE, NEMA 1 ENCLOSURE WITH H-O-A SWITCH, PUMP ON WITH RUN PILOT LIGHT, PUMP OFF, HIGH WATER LEVEL ALARM WITH A
- (3) EXISTING NON-FUSED DISCONNECT SWITCH SHALL REMAIN AND REUSED INCLUDING CONDUIT PENETRATION THROUGH THE WALL TO THE DISCONNECT SWITCH. GROUND CONDUCTORS SHALL BE BONDED IN DISCONNECT SWITCH TO MATCH EXISTING CONDITIONS.
- 4 REUSE EXISTING CONDUIT FROM DISCONNECT SWITCH TO PUMP STATION, MODIFY AS REQUIRED AT PUMP STATION. PROVIDE NEW CONDUCTORS FROM NEW PUMP CONTROL PANEL TO PUMP STATIONS AS FOLLOWS: (6)#12'S FOR FLOAT CONTROL WRES. REUSE POWER CONDUCTORS FROM NEW PUMP CONTROL PANEL TO NON-FUSED DISCONNECT SWITCH, PROVIDE NEW POWER CONDUCTORS FROM EXISTING NON-FUSED DISCONNECT SWITCH TO PUMP STATION AS FOLLOWS: (2)#12 (1)#12 GROUND.



DESCRIPTION

REVISIONS

CHECKE

S.A.D.

C.P.O.

NEW JERSEY DEPARTMENT OF TRANSPORTATION
BURLINGTON COUNTY, NEW JERSEY
NEW JERSEY DOT MAINTENANCE FACILITY
SOUTHAMPTON SEPTIC SYSTEM
NJDOT PROJECT #T-0686-03

ELECTRICAL
SITE PLAN, PUMP AND PUMP
TANK

JOB No. SHEET No. 77556

DATE

FEBRUARY 2024

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ONAL ENGINEER LICENSE NO. 24GE05275300

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