

LPD STORAGE CAPACITY UPGRADE
TWO NICE-PAK PARK, ORANGEBURG, NY 10962

GPI
Greenman - Pedersen, Inc.
Engineering and Construction Services

2 Executive Boulevard, Suite 202, Suffern, NY 10901
Tel: (845) 368-4050 Fax: (845) 368-4070
www.gpinet.com

GPI | Engineering
Design
Planning
Construction Management

Greenman-Pedersen, Inc.
2 Executive Boulevard, Suite 202
Suffern, NY 10901

Town of Orangetown
MEETING OF:
JAN 10 2024
PLANNING BOARD

PREPARED FOR

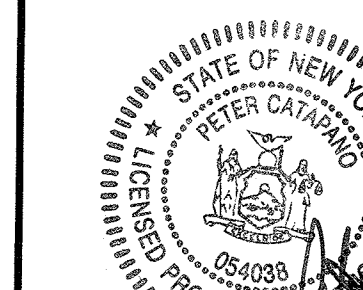


LPD STORAGE
CAPACITY
UPGRADE
TWO NICE-PAK PARK
ORANGEBURG, NY 10962

LPD STORAGE CAPACITY UPGRADE

TWO NICE-PAK PARK,
ORANGEBURG, NY 10962

STAMP



Peter Catapano
NYS PE #054038
Greenman-Pedersen, Inc
2 Executive Boulevard, Suite 20
Suffern, NY 10901

REVISIONS

REVISIONS		
A	SUBMISSION TO TOWN	11-17-23
NO.	REVISION	DATE

11-17-2023

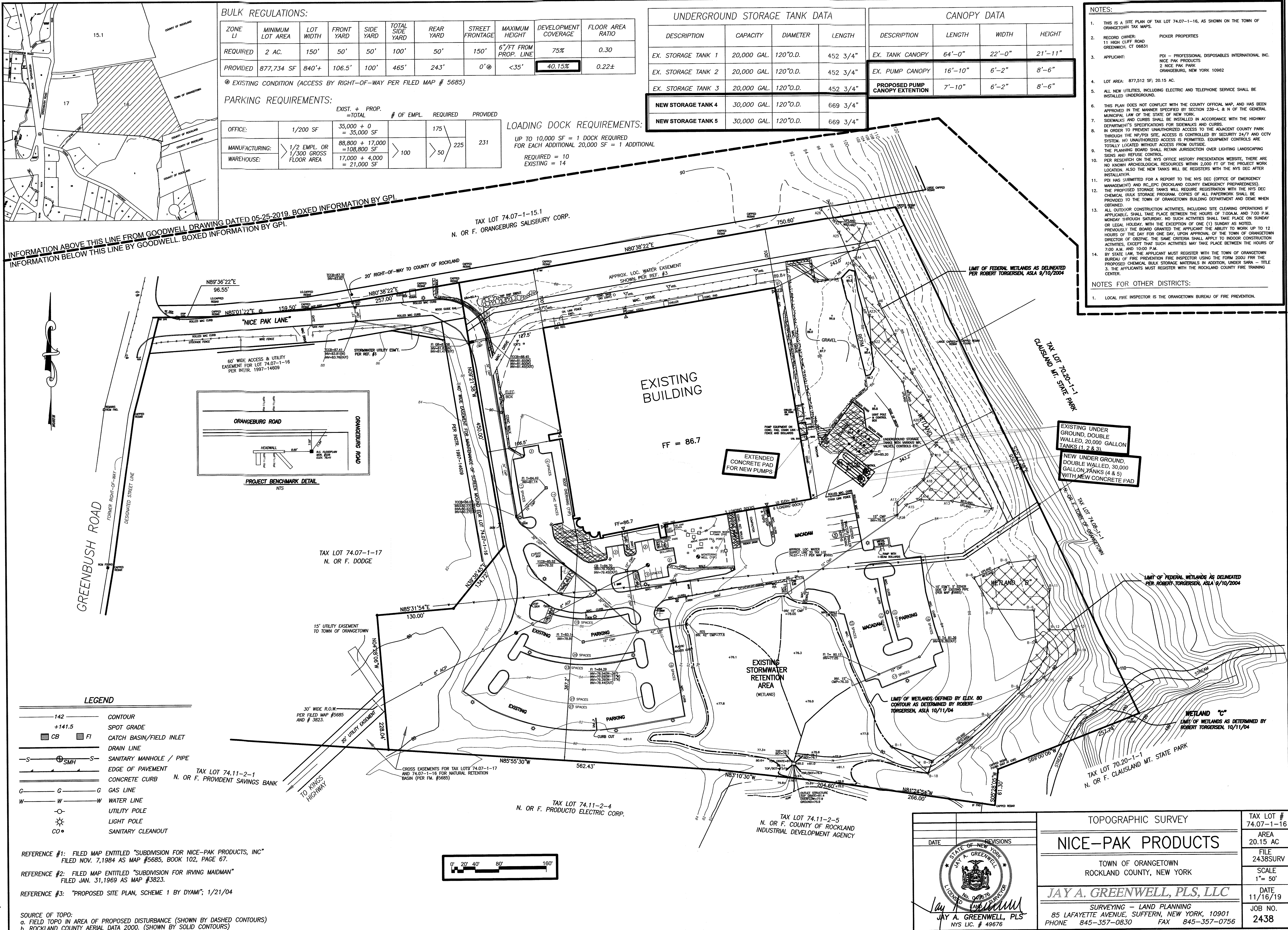
DRAWN/DESIGN BY EVF	CHECKED BY ERF
------------------------	-------------------

TITLE SHEET

GPI PROJECT/CONTRACT NO.:

T001

SHEET 1 OF 1



GPI Engineering Design Planning Construction Management

Greenman-Pedersen, Inc.
2 Executive Boulevard, Suite 202
Suffern, NY 10901

PREPARED FOR

PDI
BE THE DIFFERENCE

LPD STORAGE CAPACITY UPGRADE
TWO NICE-PAK PARK
ORANGETOWN, NY 10962

LPD STORAGE CAPACITY UPGRADE

**TWO NICE-PAK PARK,
ORANGETOWN, NY 10962**

STAMP

Peter Catapano
NYS PE #054038
Greenman-Pedersen, Inc.
2 Executive Boulevard, Suite 202
Suffern, NY 10901

REVISIONS

NO.	REVISION	DATE
A	SUBMISSION TO TOWN	11-17-23

11-14-2023

DRAWN/DESIGN BY: EVF
CHECKED BY: ERF

SITE PLAN

GPI PROJECT/CONTRACT NO.: C001

SHEET 2 OF 3

TOPOGRAPHIC SURVEY

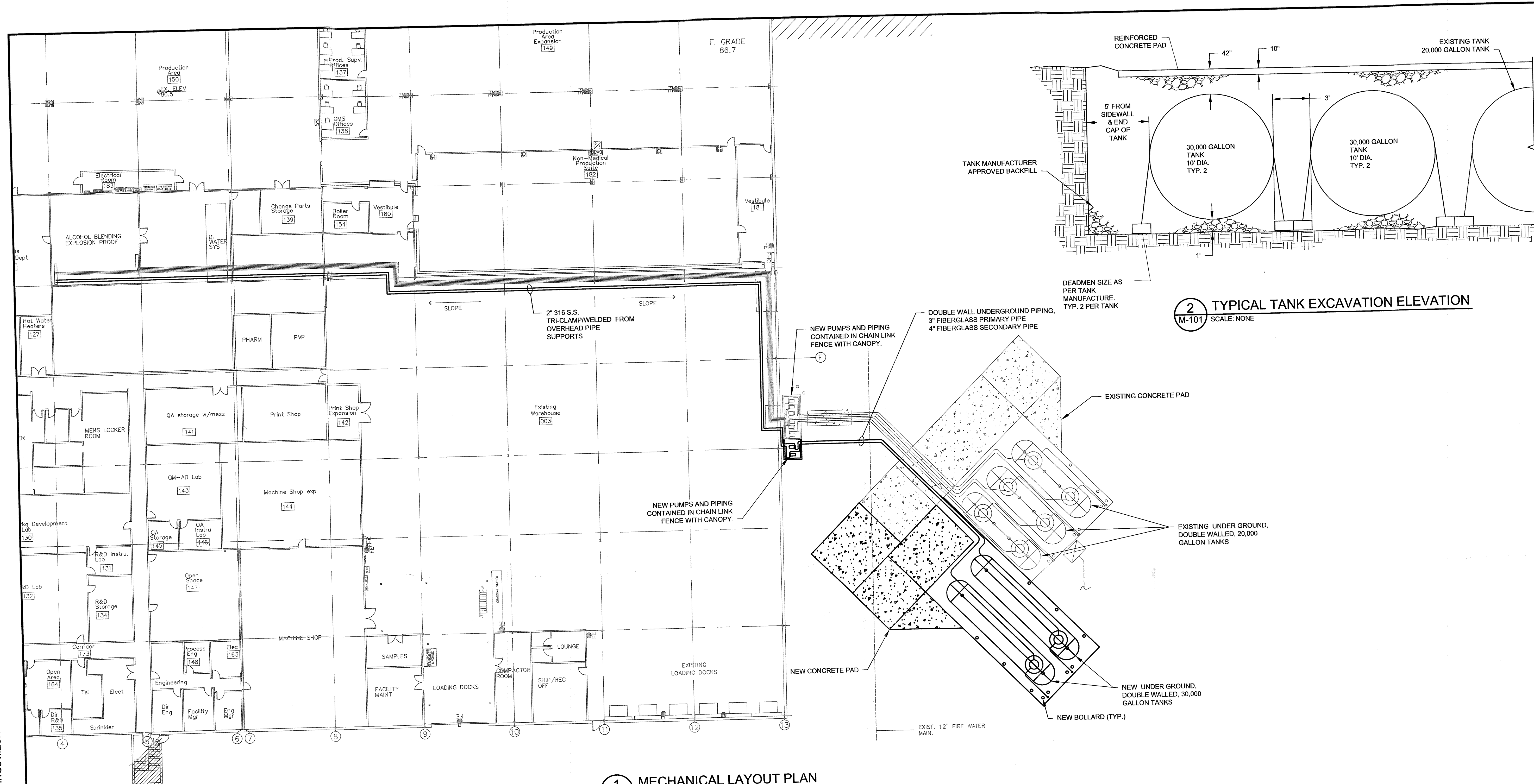
NICE-PAK PRODUCTS

TOWN OF ORANGETOWN
ROCKLAND COUNTY, NEW YORK

JAY A. GREENWELL, PLS, LLC

SURVEYING - LAND PLANNING
85 LAFAYETTE AVENUE, SUFFERN, NEW YORK, 10901
PHONE 845-357-0830 FAX 845-357-0756

TAX LOT # 74.07-1-16
AREA 20.15 AC
FILE 2438SURV
SCALE 1" = 50'
DATE 11/16/19
JOB NO. 2438



1 MECHANICAL LAYOUT PLAN
M101 SCALE: 1" = 20' - 0"

NOTES:

1. FOR GENERAL NOTES SEE DWG.
2. ALCOHOL PIPING WILL COMPLY WITH FEDERAL, STATE AND LOCAL CODES AND REGULATIONS.
3. TANK INSTALLATION WILL COMPLY WITH FEDERAL, STATE AND LOCAL CODES AND REGULATIONS.
4. EXPOSED PIPING SHALL BE PROTECTED AGAINST MECHANICAL DAMAGE & SHALL BE ADEQUATELY SUPPORTED WITH RIGID METAL FASTENERS OR HANGERS.
5. UNDERGROUND STORAGE TANKS SHALL BE PURCHASED BY OWNER, CONTRACTOR TO COORDINATE DELIVERY, OFF LOAD AND STORE TANKS ON SITE.
6. EMERGENCY EXITS TO BE KEPT CLEAR AT ALL TIMES.
7. ALL PUMP DUNNAGE, TO BE 304 STAINLESS STEEL. SEE STRUCTURAL DWG'S.
8. MARK ALL NEW ABOVEGROUND PRODUCT PIPING WITH FLOW DIRECTION & PIPE IDENTIFICATION TAPE.
9. SUBMIT MARKING TAPE MANUFACTURERS' PRODUCT DATA TO OWNER FOR APPROVAL PRIOR TO INSTALLATION.
10. STORAGE TANKS MUST HAVE A VENT LINE A MINIMUM OF 3 INCHES IN DIAMETER. VENT PIPES SHALL BE PROVIDED WITH AN APPROVED WEATHERPROOF HOOD HAVING A FREE AREA OF AT LEAST THE PIPE SIZE AREA. VENT PIPES SHALL TERMINATE AT LEAST 12 FT ABOVE OPERATING LEVEL.
10. ALL REMOTE FILL, PRODUCT AND VENT PIPING SHALL BE INSTALLED WITH A MINIMUM SLOPE OF 1/8

- INCH PER FOOT DOWNWARD TOWARDS THE TANK WITHOUT ANY SAGS OR LOW POINTS IN THE PIPING RUNS.
11. ALL METAL PIPING, FITTINGS, VALVES, ETC INSTALLED ABOVE GRADE AND/OR IN TANK SUMP SHALL BE A270 STAINLESS STEEL 316L SANITARY TUBING 20-25 RA WITH 32 RA EXT. FINISH. ALL MECH. POLISHED, NO ELECTRO-POLISH. ALL FITTINGS AND TUBE TO BE ORBITAL BUT WELDED. ASTM A270, ASME-BPE.
12. ALL UNDERGROUND PIPING SHALL BE SMITH FIBERGLASS RED THREAD II OR AMERON BONDSTRAND 2000 CX.
13. INSTALLATION OF TANKS, HOLD DOWN STRAPS, ANCHORAGE, (DEADMEN) ETC. SHALL BE IN STRICT ACCORDANCE WITH THE TANK MANUFACTURER'S INSTRUCTIONS.
14. WHERE MANUFACTURER'S INSTRUCTIONS DIFFER FROM CONTRACT DOCUMENTS, USE THE MOST STRINGENT WITH THE APPROVAL OF THE ENGINEER.
15. THE CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY ALL EXISTING CONDITIONS, INCLUDING PRIOR TO SUBMISSION OF BID. ANY DISCREPANCIES NOTED BETWEEN CONTRACT DOCUMENTS AND EXISTING CONDITIONS, SHALL BE BROUGHT TO THE ATTENTION OF THE C.M. OR D.C. IN WRITING PRIOR TO SUBMISSION OF THE BID.
16. CONTRACTOR TO SUBMIT SHOP DRAWINGS ON ANY REPAIRS REQUIRED TO EXISTING STRUCTURE(S) FOR OWNER/ENGINEERS APPROVAL.
17. FOR SOIL BORING AND GROUNDWATER MONITORING WELL DATA, SEE CONTRACT DOCUMENTS.

18. THE CONTRACTOR SHALL DESIGN AND INSTALL ALL TEMPORARY BARRIERS, PROTECTED WALKWAYS, AND SAFETY AND DIRECTIONAL SIGN FOR USE DURING CONSTRUCTION ACTIVITIES. TANK CONTRACTOR IS TO SUBMIT TO THE C.M. OR D.C. DETAILS FOR APPROVAL PRIOR TO THE START OF WORK. THE GOAL IS TO PROTECT STAFF AND VISITORS, TO VISUALLY SCREEN CLUTTERED AND UNSIGHTLY CONSTRUCTION AREAS AND TO PROVIDE PERTINENT INFORMATION ABOUT THE PROJECT.
19. ALL VALVES TO BE TO PLINE 32 RA STD. SANITARY FINISH OR EQUAL.
20. ALL ABOVE GRADE PIPE CONNECTIONS TO BE TRI-CLAMP (HI-PV)
21. PVC SOLID WALL SEWER PIPE TO BE ASTM D9304, SDR35
22. SUBMIT SHOP DRAWINGS, CUTS ON THE FOLLOWING PRIOR TO CONSTRUCTION AND/OR FABRICATION.
 - A. UNDERGROUND STORAGE TANK AND SYSTEM
 - B. UNDERGROUND PIPING AND SYSTEM
 - C. ALL TANK AND PIPE FITTINGS AND SPECIALTIES
 - D. TANK AND PIPING LAYOUTS
 - E. PUMPS AND MOTORS
 - F. ABOVE GROUND PIPING AND FITTINGS
 - G. HANGERS
 - H. TAGS AND IDENTIFICATION
 - I. TANK AND PIPING TESTS AND CERTIFICATIONS

TESTING REQUIREMENTS:

1. INSTALL ALL THE PIPING IN SUCH A WAY AS TO FACILITATE TESTING OF THE PIPE WITH THE EQUIPMENT INSTALLED AND VALVED OFF.
2. THE PIPING WILL HAVE A VALVE AND TEE INSTALLED IN THE SUPPLY SIDE AND THE SUCTION SIDE OF THE PUMP TO ALLOW A PRESSURE GAUGE AND ISOLATION VALVE TO BE INSTALLED AND ALL VALVES SHALL BE FLANGED
3. TEST THE TANKS AND PIPING WITH AIR .
4. A TEST PRESSURE OF (MANUFACTURE TO DETERMINE) PSI AND SHALL MAINTAIN THAT PRESSURE FOR A PERIOD OF TWO (2) HOURS,
5. AIR TESTS REQUIRED:
 - A. PRIMARY TANK AND PIPING SYSTEM TEST. (3 PSI)
 - B. SECONDARY (INTERSTITIAL SPACE) TANK AND PIPING TEST. (3 PSI)
 - C. TANK TEST, BOTH PRIMARY AND SECONDARY. (3 PSI)
 - D. PIPING TEST, BOTH PRIMARY AND SECONDARY. (3 PSI)