

Plot Date: 4/25/2024 9:03 AM  
Filename: O:\2023\MMNY-2300146.00 PDI UNDERGROUND STORAGE TANK IPA SDA\DRAWINGS\TITLE-GENERAL\T001 TITLE SHEET.DWG  
Plotted By: AUSTIN WHALEN

**GPI** Engineering  
Design  
Planning  
Construction Management  
845.368.4050 GPINET.COM  
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  
ORANGEBURG, NY 10962

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

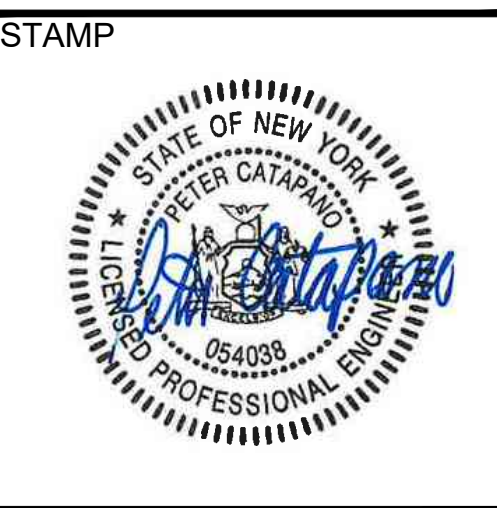


LPD STORAGE CAPACITY UPGRADE  
TWO NICE-PAK PARK, ORANGEBURG, NY 10962

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2 Executive Boulevard, Suite 202  
Montebello, NY 10901



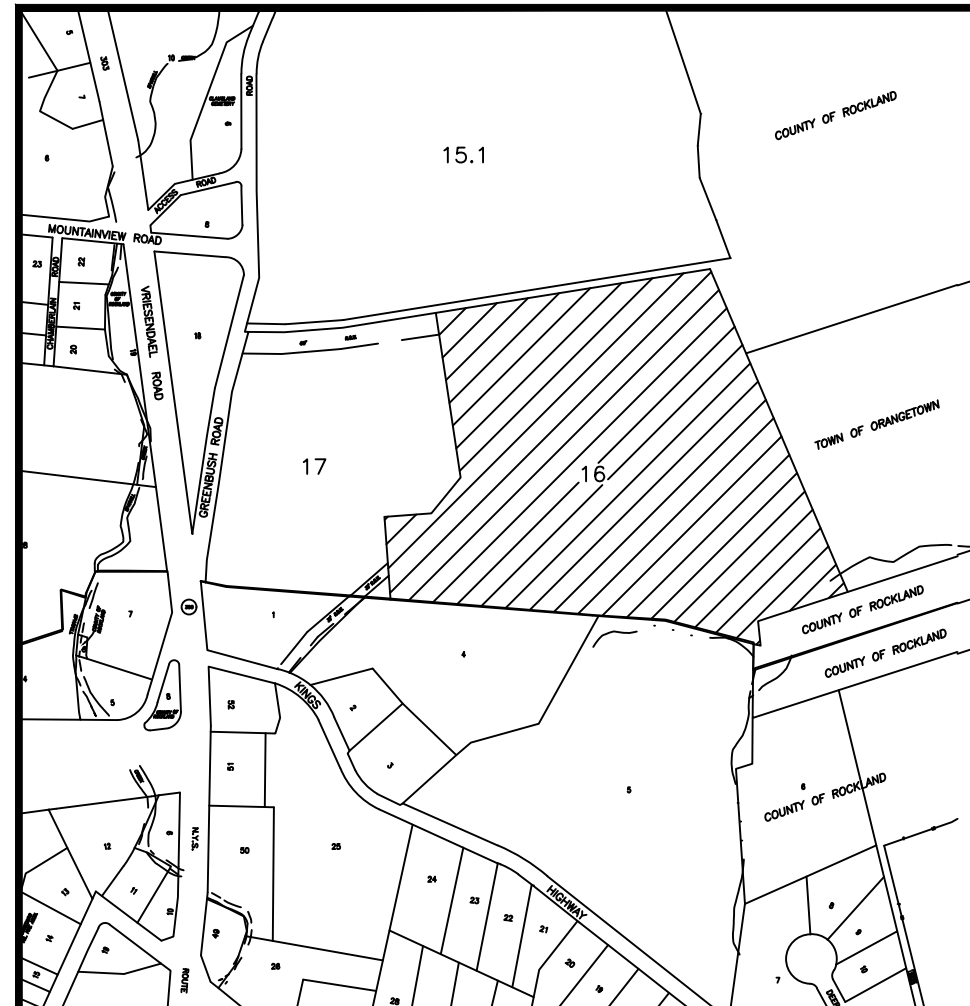
REVISIONS

NO.	REVISION	DATE
1	100% FOR PERMIT	4-24-24

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DRAWN/DESIGN BY: EVF  
CHECKED BY: ERF

TITLE SHEET  
GPI PROJECT/CONTRACT NO.:  
T001  
SHEET 1 OF 3

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**BULK REGULATIONS:**

ZONE	MINIMUM LOT AREA	LOT WIDTH	FRONT YARD	SIDE YARD	TOTAL SIDE YARD	REAR YARD	STREET FRONTAGE	MAXIMUM HEIGHT	DEVELOPMENT COVERAGE	FLOOR AREA RATIO
REQUIRED	2 AC.	300'	100'	100'	200'	100'	150'	5 FT FROM PROP. LINE	75%	0.30
PROVIDED	877,734 SF	840'+	106.5'	100'	465'	243'	0' @	<35'	40.15%	0.22±

© EXISTING CONDITION (ACCESS BY RIGHT-OF-WAY PER FILED MAP # 5685)

**PARKING REQUIREMENTS:**

	EXIST. + PROP. TOTAL	# OF EMPL.	REQUIRED	PROVIDED
OFFICE:	1/200 SF	35,000 + 0 = 35,000 SF	175	231
MANUFACTURING:	> 1/2 EML. OR 1/300 GROSS FLOOR AREA	88,800 + 17,000 = 105,800 SF	> 100	> 50
WAREHOUSE:		17,000 + 4,000 = 21,000 SF		

**LOADING DOCK REQUIREMENTS:**

UP TO 10,000 SF = 1 DOCK REQUIRED  
 FOR EACH ADDITIONAL 20,000 SF = 1 ADDITIONAL DOCK  
 REQUIRED = 10  
 EXISTING = 14

**UNDERGROUND STORAGE TANK DATA**

DESCRIPTION	CAPACITY	DIAMETER	LENGTH
EX. STORAGE TANK 1	20,000 GAL.	120" O.D.	452 3/4"
EX. STORAGE TANK 2	20,000 GAL.	120" O.D.	452 3/4"
EX. STORAGE TANK 3	20,000 GAL.	120" O.D.	452 3/4"
EX. STORAGE TANK 7	9,000 GAL.	96" O.D.	168"
NEW STORAGE TANK 8	30,000 GAL.	120" O.D.	669 3/4"
NEW STORAGE TANK 9	30,000 GAL.	120" O.D.	669 3/4"

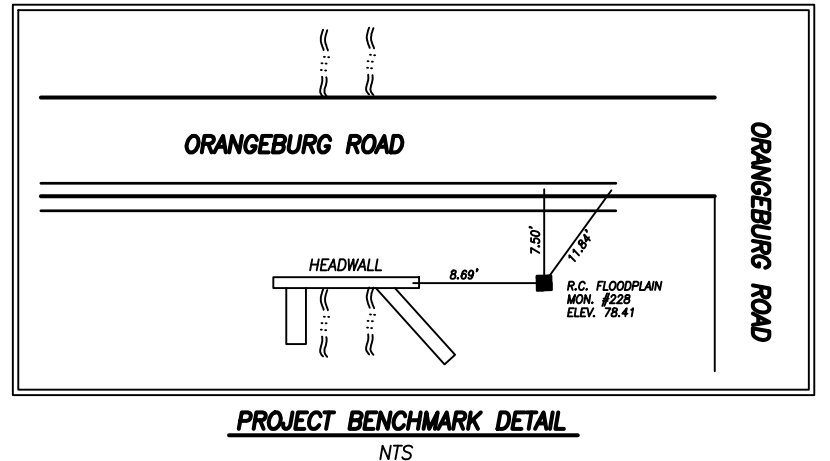
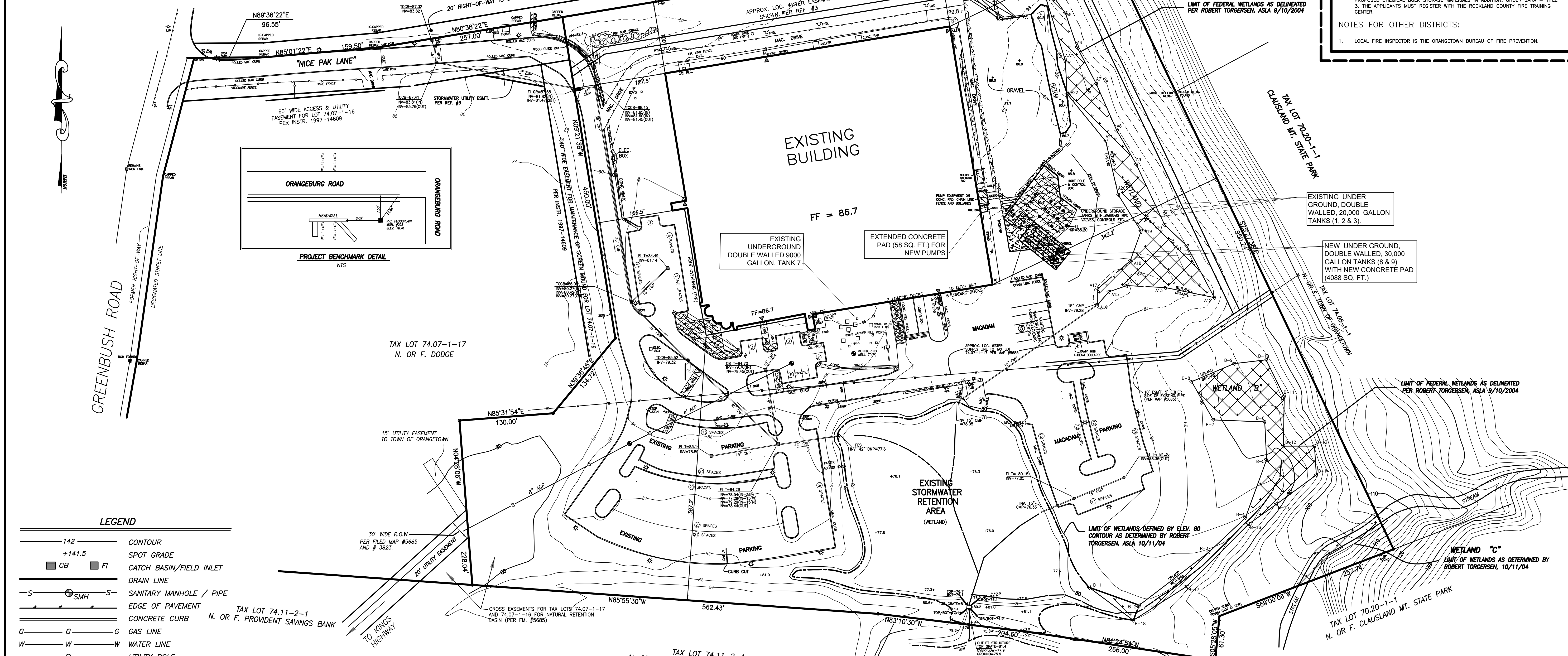
**CANOPY DATA**

DESCRIPTION	LENGTH	WIDTH	HEIGHT
EX. TANK CANOPY	64'-0"	22'-0"	21'-11"
EX. PUMP CANOPY	16'-10"	6'-2"	8'-6"
PROPOSED PUMP CANOPY EXTENSION	7'-10"	6'-2"	8'-6"

- NOTES:**
- THIS IS A SITE PLAN OF TAX LOT 74.07-1-16, AS SHOWN ON THE TOWN OF ORANGETOWN TAX MAPS.
  - RECORD OWNER: PICKER PROPERTIES  
 11 HIGH CLIFF ROAD  
 GREENWICH, CT 06831
  - APPLICANT: PDI - PROFESSIONAL DISPOSABLES INTERNATIONAL, INC.  
 NICE PAK PRODUCTS  
 2 NICE PAK PARK  
 ORANGETOWN, NEW YORK 10962
  - LOT AREA: 877,512 SF, 20.15 AC.
  - ALL NEW UTILITIES, INCLUDING ELECTRIC AND TELEPHONE SERVICE SHALL BE INSTALLED UNDERGROUND.
  - THIS PLAN DOES NOT CONFLICT WITH THE COUNTY OFFICIAL MAP, AND HAS BEEN APPROVED IN THE MANNER SPECIFIED BY SECTION 239-4, 6 & N OF THE GENERAL MUNICIPAL LAW OF THE STATE OF NEW YORK.
  - SIDEWALKS AND CURBS SHALL BE INSTALLED IN ACCORDANCE WITH THE HIGHWAY DEPARTMENT'S SPECIFICATIONS FOR SIDEWALKS AND CURBS.
  - IN ORDER TO PREVENT UNAUTHORIZED ACCESS TO THE ADJACENT COUNTY PARK THROUGH THE W/PDI SITE, ACCESS IS CONTROLLED BY SECURITY 24/7 AND CCTV SYSTEM. NO UNAUTHORIZED ACCESS IS PERMITTED. EQUIPMENT CONTROLS ARE TOTALLY LOCATED WITHOUT ACCESS FROM OUTSIDE.
  - THE PLANNING BOARD SHALL RETAIN JURISDICTION OVER LIGHTING LANDSCAPING SIGNS AND REFUSE CONTROL.
  - PER RESEARCH ON THE NYS OFFICE HISTORY PRESENTATION WEBSITE, THERE ARE NO KNOWN ARCHEOLOGICAL RESOURCES WITHIN 2,000 FT OF THE PROJECT WORK LOCATION. ALSO THE NEW TANKS WILL BE REGISTERED WITH THE NYS DEC AFTER INSTALLATION.
  - PDI HAS SUBMITTED FOR A REPORT TO THE NYS DEC (OFFICE OF EMERGENCY MANAGEMENT) AND RC-EPIC (ROCKLAND COUNTY EMERGENCY PREPAREDNESS). THE PROPOSED STORAGE TANKS WILL REQUIRE REGISTRATION WITH THE NYS DEC CHEMICAL BULK STORAGE PROGRAM. COPIES OF ALL PAPERWORK SHALL BE PROVIDED TO THE TOWN OF ORANGETOWN BUILDING DEPARTMENT AND DEMO WHEN OBTAINED.
  - ALL OUTDOOR CONSTRUCTION ACTIVITIES, INCLUDING SITE CLEARING OPERATIONS IF APPLICABLE, SHALL TAKE PLACE BETWEEN THE HOURS OF 7:00 A.M. AND 7:00 P.M. MONDAY THROUGH SATURDAY. NO SUCH ACTIVITIES SHALL TAKE PLACE ON SUNDAY OR LEGAL HOLIDAY. WITH THE EXCEPTION OF ONE (1) SUNDAY AS NOTED. PREVIOUSLY THE BOARD GRANTED THE APPLICANT THE ABILITY TO WORK UP TO 12 HOURS OF THE DAY FOR ONE DAY, UPON APPROVAL OF THE TOWN OF ORANGETOWN DIRECTOR OF O&P&E. THE SAME CRITERIA SHALL APPLY TO INDOOR CONSTRUCTION ACTIVITIES EXCEPT THAT SUCH ACTIVITIES MAY TAKE PLACE BETWEEN THE HOURS OF 7:00 A.M. AND 10:00 P.M.
  - BY STATE LAW, THE APPLICANT MUST REGISTER WITH THE TOWN OF ORANGETOWN BUREAU OF FIRE PREVENTION FIRE INSPECTOR USING THE FORM 200U FRR THE PROPOSED CHEMICAL BULK STORAGE MATERIALS IN ADDITION, UNDER SARA - TITLE 3, THE APPLICANTS MUST REGISTER WITH THE ROCKLAND COUNTY FIRE TRAINING CENTER.
- NOTES FOR OTHER DISTRICTS:**
- LOCAL FIRE INSPECTOR IS THE ORANGETOWN BUREAU OF FIRE PREVENTION.

INFORMATION ABOVE THIS LINE FROM GREENWELL DRAWING DATED 05-25-2019. BOXED INFORMATION BY GPI.  
 INFORMATION BELOW THIS LINE BY GREENWELL. BOXED INFORMATION BY GPI.

TAX LOT 74.07-1-15.1  
 N. OR F. ORANGETOWN SALISBURY CORP.



- LEGEND**
- 142 --- CONTOUR
  - +141.5 --- SPOT GRADE
  - CB --- CATCH BASIN/FIELD INLET
  - FI --- DRAIN LINE
  - SMH --- SANITARY MANHOLE / PIPE
  - EDGE OF PAVEMENT
  - CONCRETE CURB
  - G --- GAS LINE
  - W --- WATER LINE
  - UTILITY POLE
  - LIGHT POLE
  - CO --- SANITARY CLEANOUT

REFERENCE #1: FILED MAP ENTITLED "SUBDIVISION FOR NICE-PAK PRODUCTS, INC" FILED NOV. 7, 1984 AS MAP #5685, BOOK 102, PAGE 67.  
 REFERENCE #2: FILED MAP ENTITLED "SUBDIVISION FOR IRVING MAIDMAN" FILED JAN. 31, 1969 AS MAP #3823.  
 REFERENCE #3: "PROPOSED SITE PLAN, SCHEME 1 BY DYAMI", 1/21/04

SOURCE OF TOPO:  
 a. FIELD TOPO IN AREA OF PROPOSED DISTURBANCE (SHOWN BY DASHED CONTOURS)  
 b. ROCKLAND COUNTY AERIAL DATA 2000. (SHOWN BY SOLID CONTOURS)



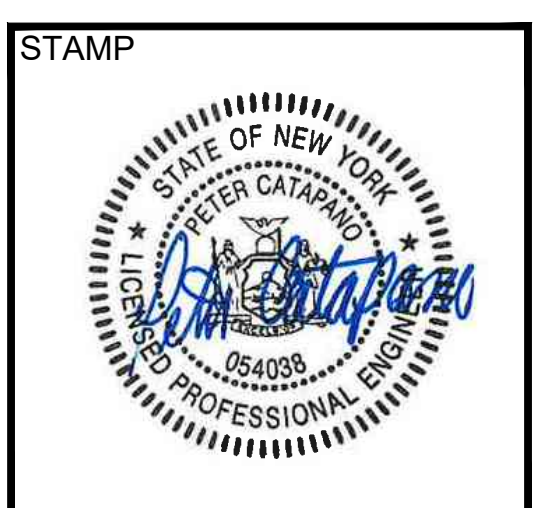
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**REVISIONS**

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DRAWN/DESIGN BY: EVF  
 CHECKED BY: ERF

**SITE PLAN**

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

GPI PROJECT/CONTRACT NO.:  
 C001

SHEET 2 OF 3

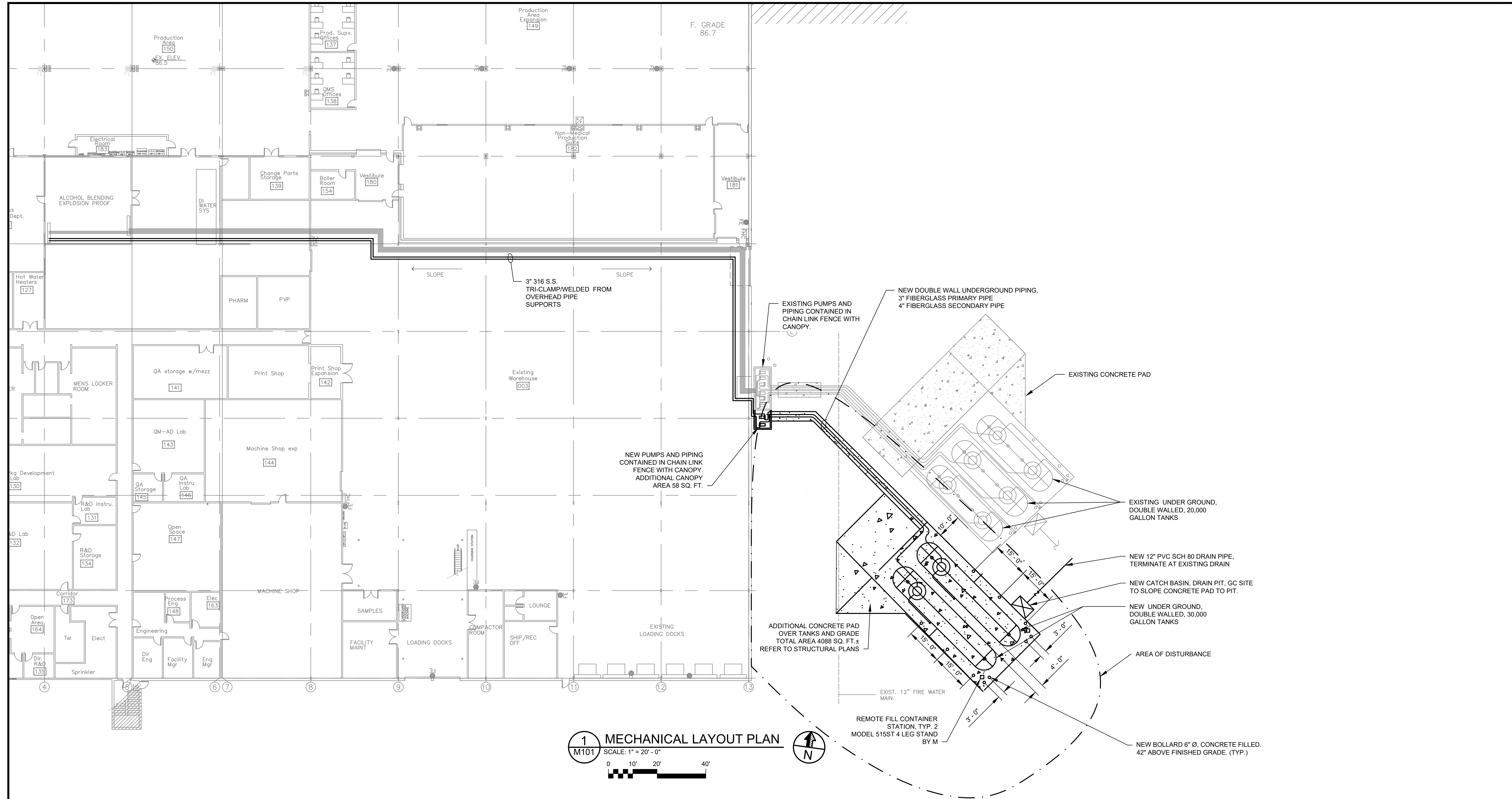
DATE: \_\_\_\_\_

STATE OF NEW YORK  
 JAY A. GREENWELL  
 LICENSE NO. 049676  
 PROFESSIONAL ENGINEER

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



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 Plotted By: AUSTIN WHALEN



**1 MECHANICAL LAYOUT PLAN**  
 M101 SCALE: 1" = 20' - 0"  
 0 10' 20' 40'

**NOTES:**

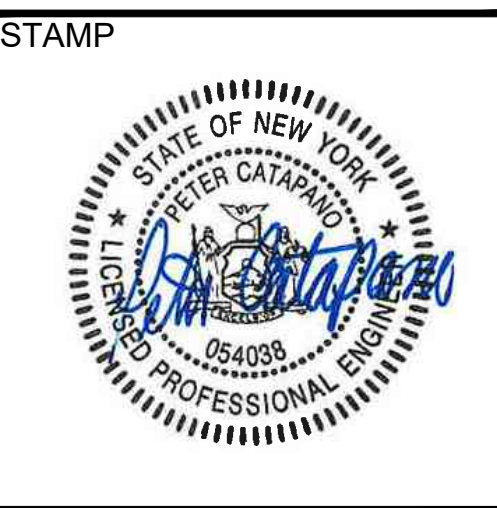
- FOR GENERAL NOTES SEE DWG.
- ALCOHOL PIPING WILL COMPLY WITH FEDERAL, STATE AND LOCAL CODES AND REGULATIONS.
- TANK INSTALLATION WILL COMPLY WITH FEDERAL, STATE AND LOCAL CODES AND REGULATIONS.
- EXPOSED PIPING SHALL BE PROTECTED AGAINST MECHANICAL DAMAGE & SHALL BE ADEQUATELY SUPPORTED WITH RIGID METAL FASTENERS OR HANGERS.
- UNDERGROUND STORAGE TANKS SHALL BE PURCHASED BY OWNER, CONTRACTOR TO COORDINATE DELIVERY, OFF LOAD AND STORE TANKS ON SITE.
- EMERGENCY EXITS TO BE KEPT CLEAR AT ALL TIMES.
- ALL PUMP DUNNAGE, TO BE 304 STAINLESS STEEL. SEE STRUCTURAL DWG'S.
- MARK ALL NEW ABOVEGROUND PRODUCT PIPING WITH FLOW DIRECTION & PIPE IDENTIFICATION TAPE. SUBMIT MARKING TAPE MANUFACTURER'S PRODUCT DATA TO OWNER FOR APPROVAL PRIOR TO INSTALLATION.
- 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.
- 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.
- 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 BUTT WELDED. ASTM A270, ASME-BPE, ALL UNDERGROUND PIPING SHALL BE SMITH FIBERGLASS RED THREAD II OR AMERON BONDSTRAND 2000 CX.
- INSTALLATION OF TANKS, HOLD DOWN STRAPS, ANCHORAGE, (DEADMEN) ETC. SHALL BE IN STRICT ACCORDANCE WITH THE TANK MANUFACTURER'S INSTRUCTIONS.
- WHERE MANUFACTURER'S INSTRUCTIONS DIFFER FROM CONTRACT DOCUMENTS, USE THE MOST STRINGENT WITH THE APPROVAL OF THE ENGINEER.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY ALL EXISTING CONDITIONS, INCLUDING PRIOR TO SUBMISSION OF BID. ANY DISCREPANCIES NOTED BETWEEN AND 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.
- CONTRACTOR TO SUBMIT SHOP DRAWINGS ON ANY REPAIRS REQUIRED TO EXISTING STRUCTURE(S) FOR OWNER/ENGINEERS APPROVAL.
- FOR SOIL BORING AND GROUNDWATER MONITORING WELL DATA, SEE CONTRACT DOCUMENTS.

- 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.
- ALL VALVES TO BE TOPLINE 32 RA STD. SANITARY FINISH OR EQUAL.
- ALL ABOVE GRADE PIPE CONNECTIONS TO BE TRI-CLAMP (HI-PV)
- PVC SOLID WALL SEWER PIPE TO BE ASTM D3034, SDR35
- SUBMIT SHOP DRAWINGS, CUTS ON THE FOLLOWING PRIOR TO CONSTRUCTION AND/OR FABRICATION.
  - UNDERGROUND STORAGE TANK AND SYSTEM
  - UNDERGROUND PIPING AND SYSTEM
  - ALL TANK AND PIPE FITTINGS AND SPECIALTIES
  - TANK AND PIPING LAYOUTS
  - PUMPS AND MOTORS
  - ABOVE GROUND PIPING AND FITTINGS
  - HANGERS
  - TAGS AND IDENTIFICATION
  - TANK AND PIPING TESTS AND CERTIFICATIONS

**TESTING REQUIREMENTS:**

- INSTALL ALL THE PIPING IN SUCH A WAY AS TO FACILITATE TESTING OF THE PIPE WITH THE EQUIPMENT INSTALLED AND VALVED OFF.
- 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
- TEST THE TANKS AND PIPING WITH AIR.
- A TEST PRESSURE OF (MANUFACTURE TO DETERMINE) PSI AND SHALL MAINTAIN THAT PRESSURE FOR A PERIOD OF TWO (2) HOURS.
  - AIR TESTS REQUIRED:
    - PRIMARY TANK AND PIPING SYSTEM TEST. (3 PSI)
    - SECONDARY (INTERSTITIAL SPACE) TANK AND PIPING TEST. (3 PSI)
    - TANK TEST, BOTH PRIMARY AND SECONDARY. (3 PSI)
    - PIPING TEST, BOTH PRIMARY AND SECONDARY. (3 PSI)



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EVF	ERF

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ISSUED FOR PERMIT REVIEW ONLY. THESE DRAWINGS ARE IN SUBSTANTIAL CONFORMANCE WITH THE BUILDING CODE

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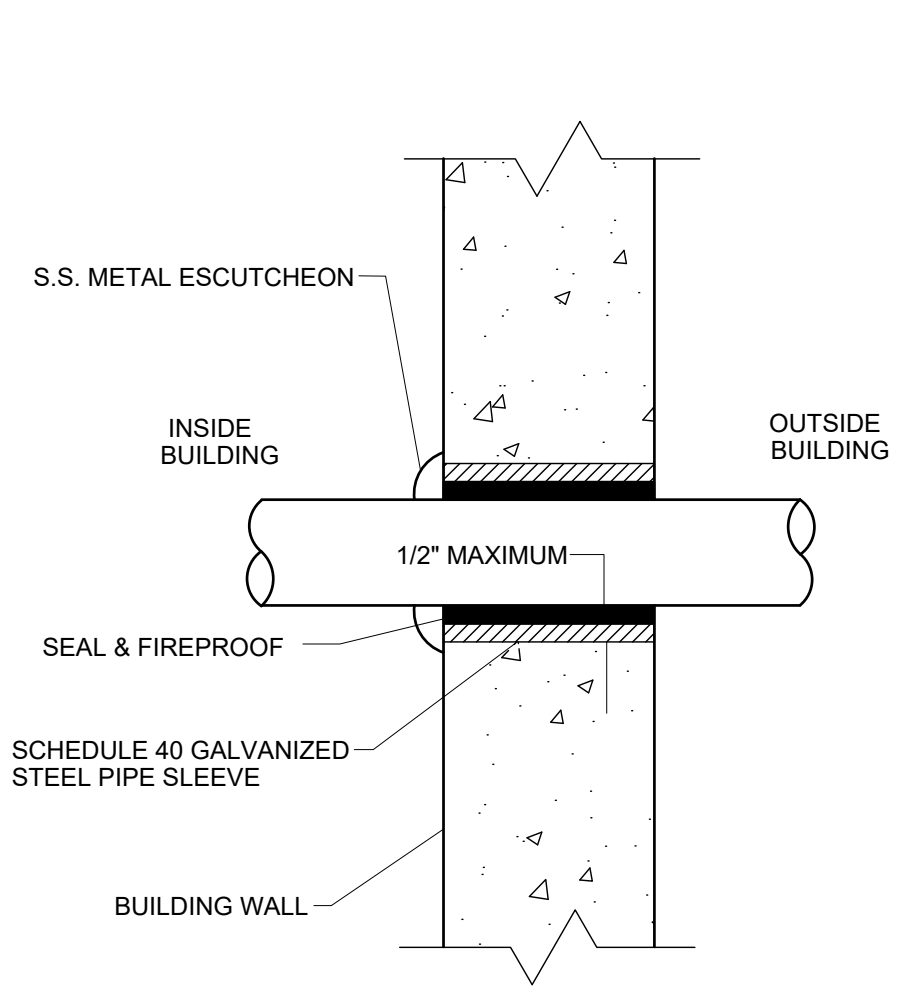
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MECHANICAL  
DETAILS

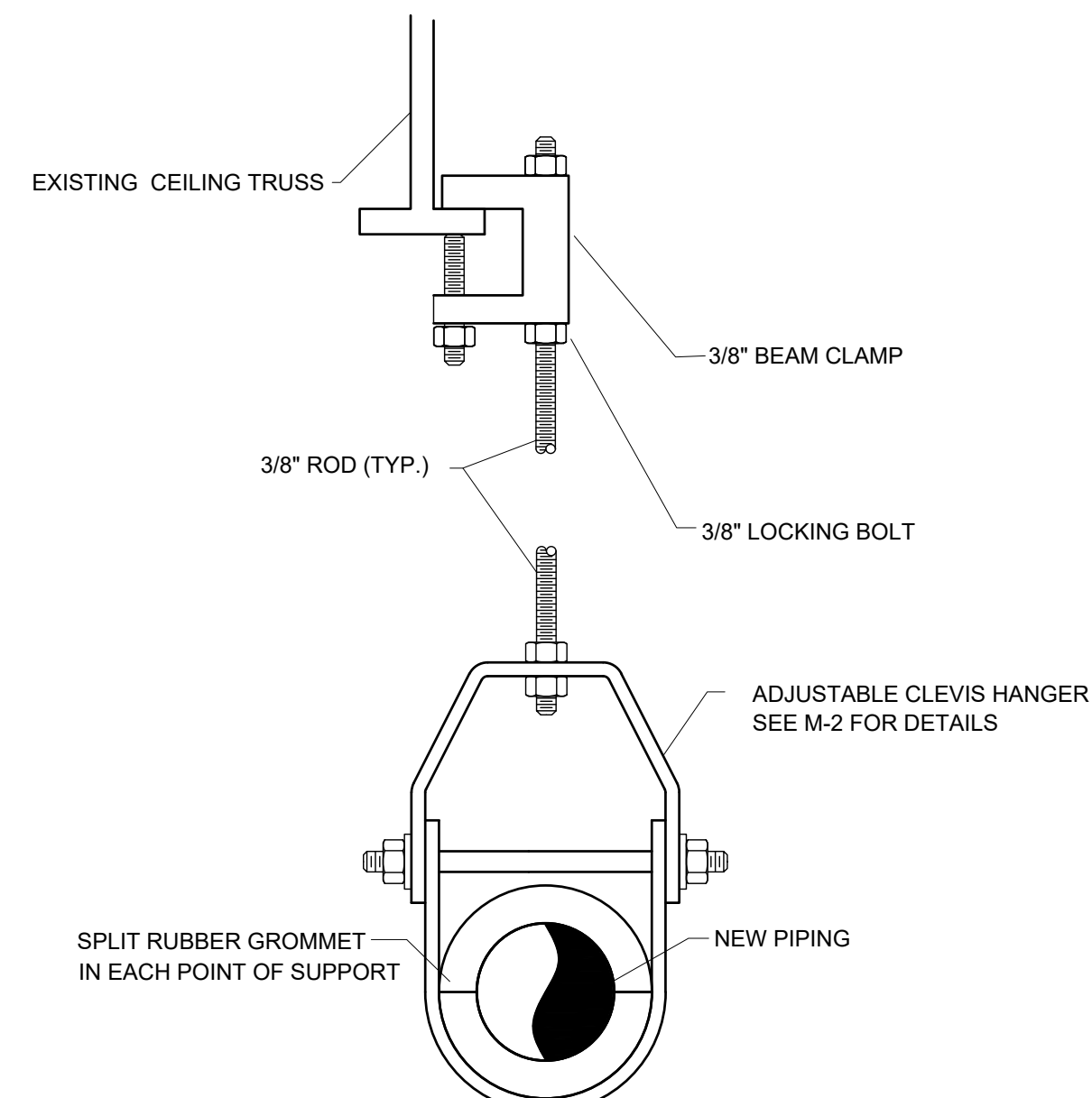
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M102

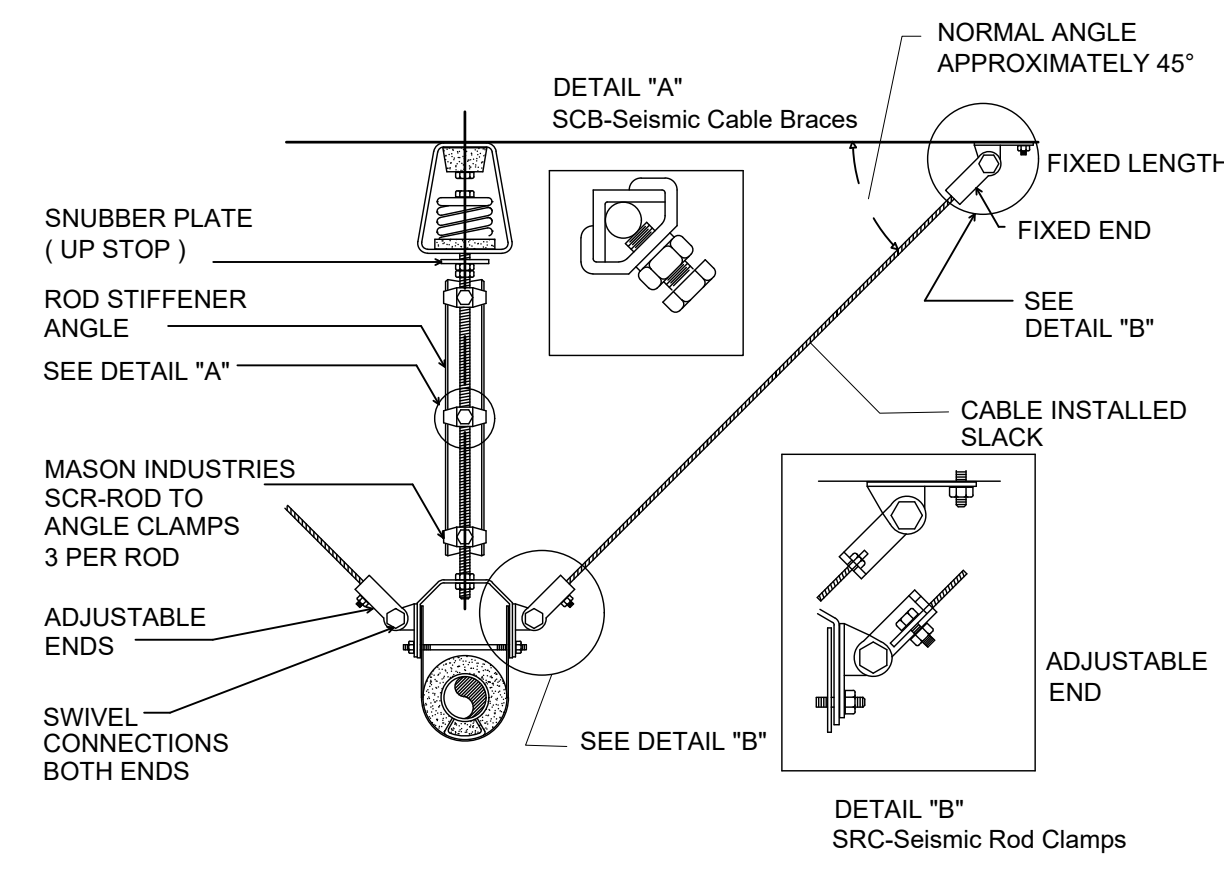
SHEET OF 3



**1** WALL PENETRATION DETAIL  
M-102 SCALE: NONE

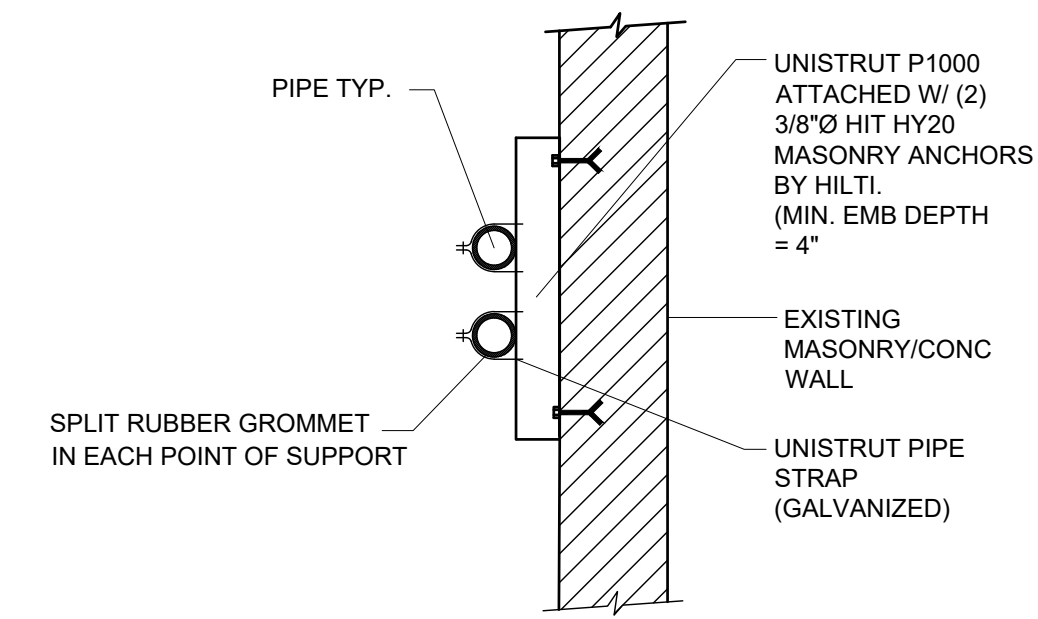


**2** CEILING PIPE HANGER  
M-102 SCALE: NONE

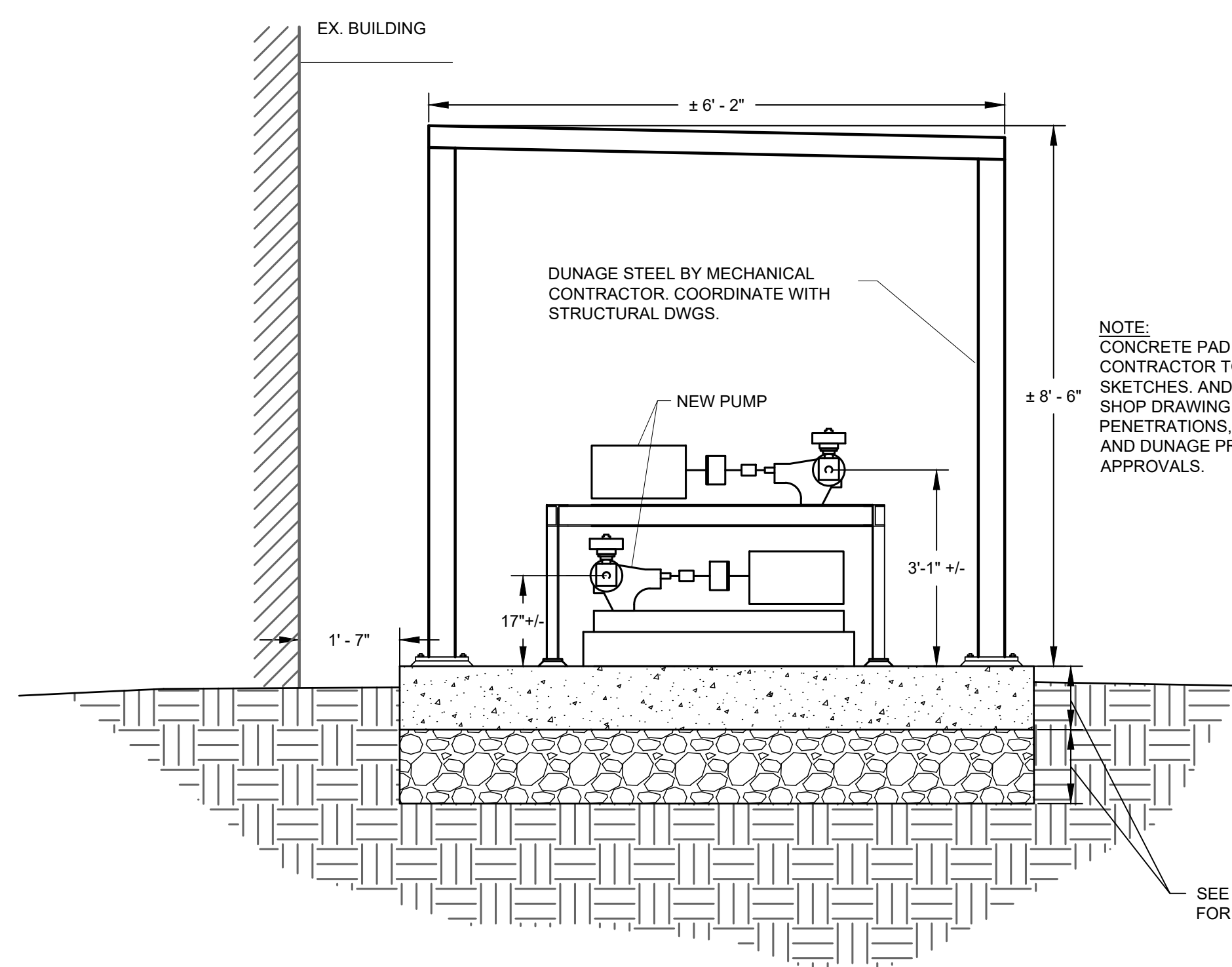


**4** SEISMIC PIPE HANGER DETAIL  
M-102 SCALE: NONE

NOTE: SEISMIC HANGERS ARE NOT REQUIRED IF BOTTOM OF HUNG PIPING IS WITHIN 12" OF CEILING STRUCTURE.

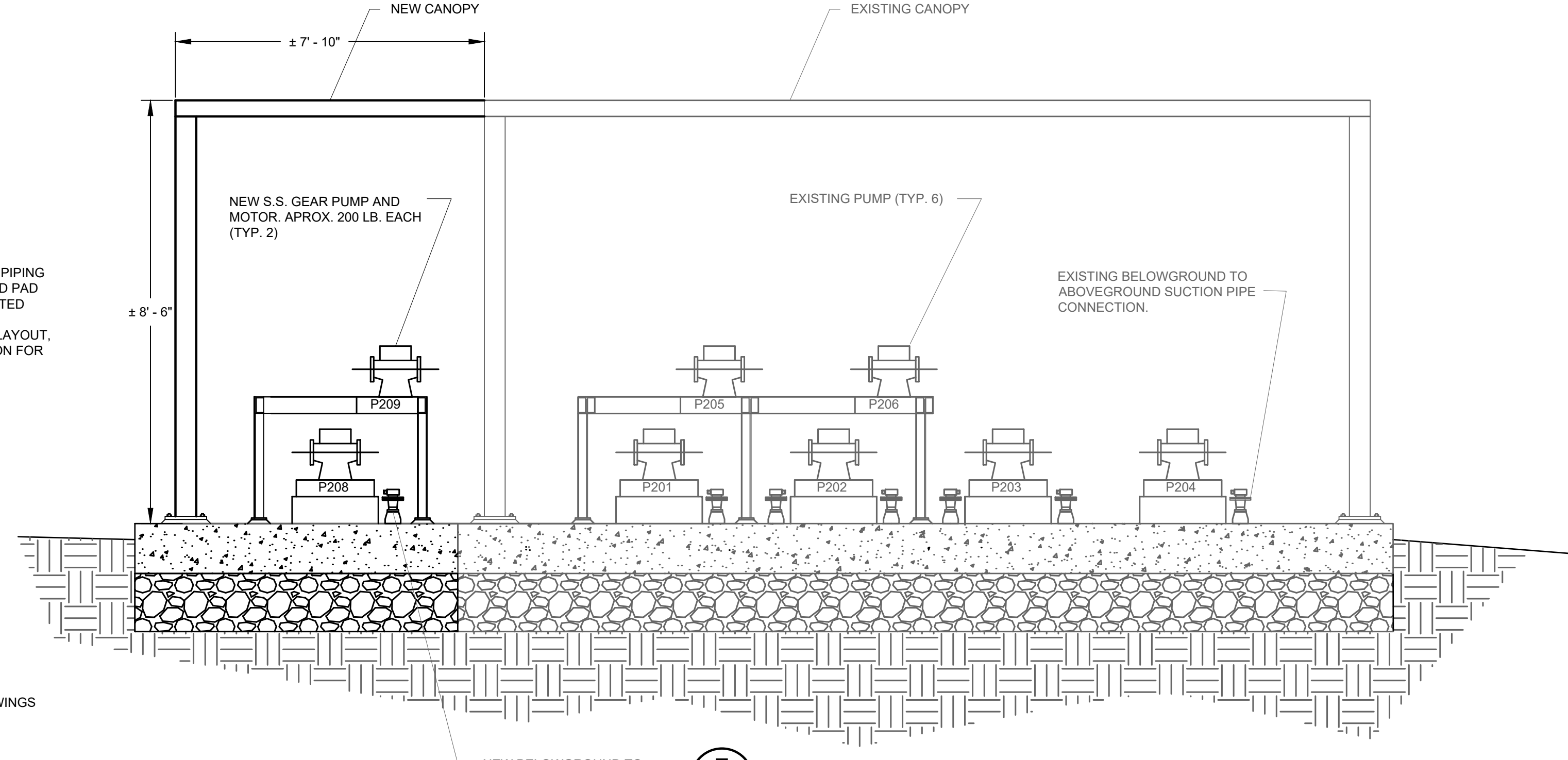


**3** WALL/FLOOR PIPE SUPPORT  
M-102 SCALE: NONE



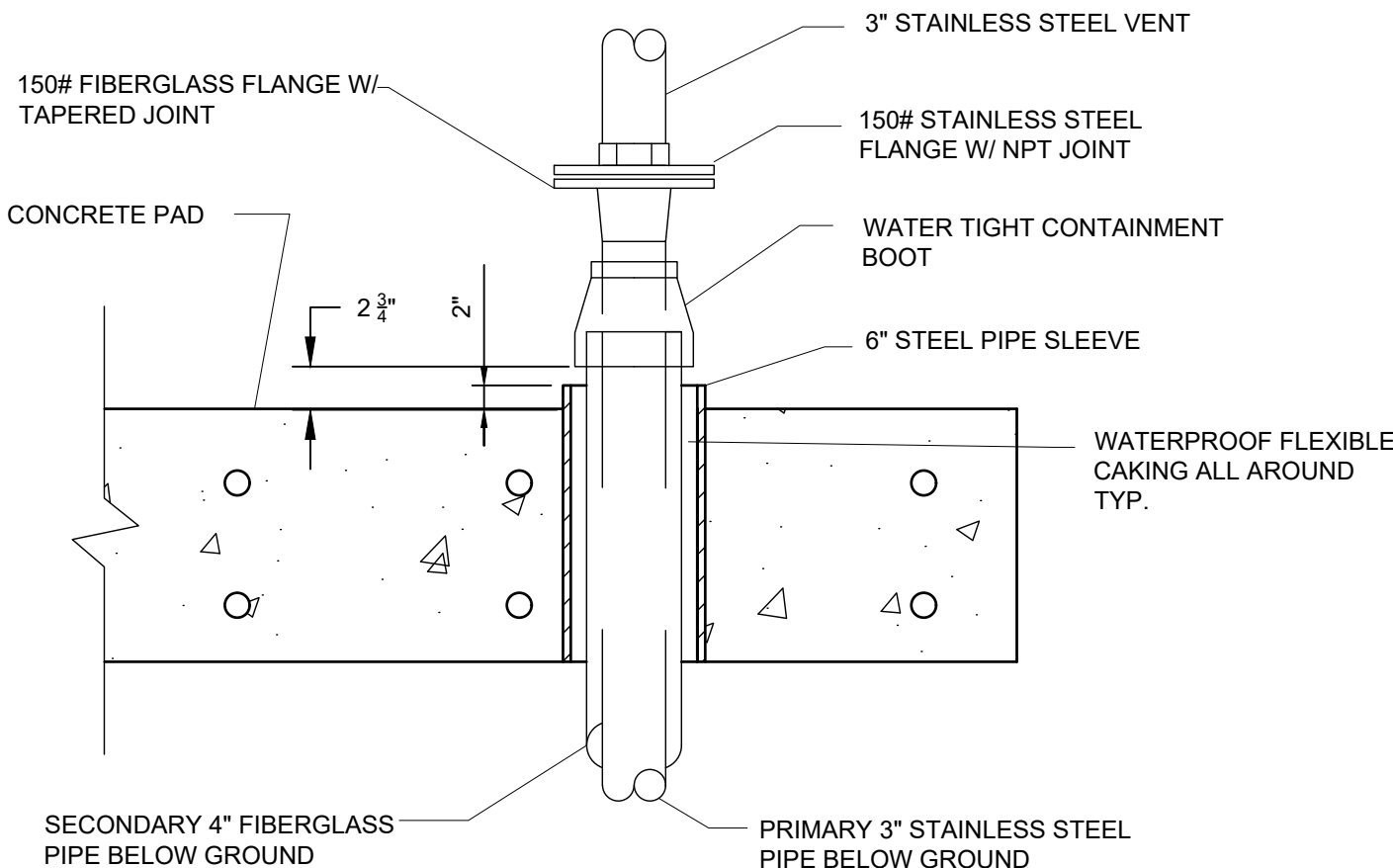
**5** TRANSFER PUMP PIPE ARRANGMENT DETAIL  
M-102 SCALE: NONE

NOTE: CONCRETE PAD CONTRACTOR AND PIPING CONTRACTOR TO SEE PDI PUMP AND PAD SKETCHES. AND SUBMIT COORDINATED SHOP DRAWING OF PUMP PAD WITH PENETRATIONS, PUMP AND PIPING LAYOUT, AND DUNAGE PRIOR TO FABRICATION FOR APPROVALS.

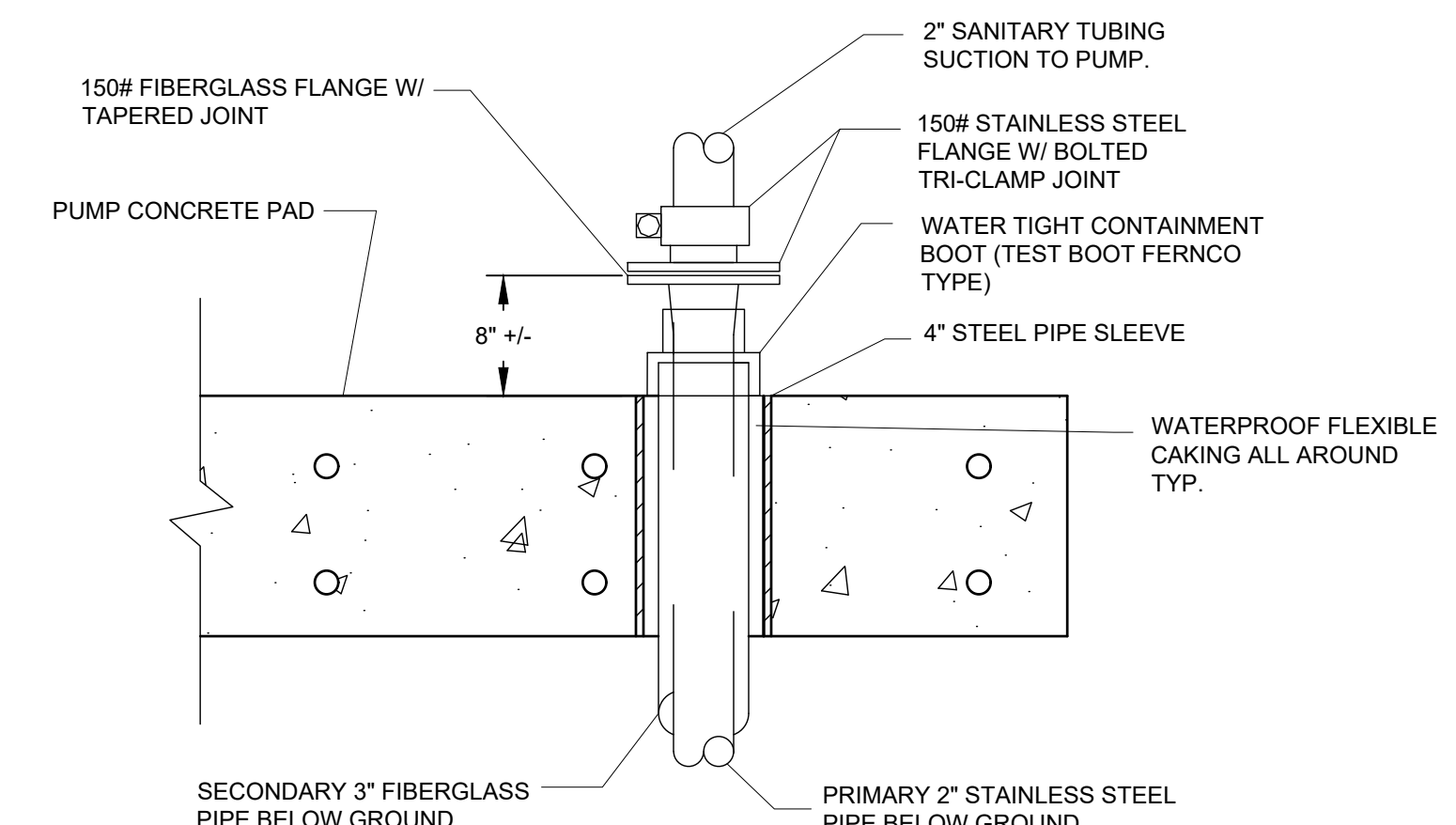


**7** UNDERGROUND TO ABOVEGROUND SUCTION PIPE DETAIL  
M-102 SCALE: NONE

NEW BELOWGROUND TO ABOVEGROUND SUCTION PIPE CONNECTION.



**6** UNDERGROUND TO ABOVE GROUND VENT PIPE DETAIL  
M-102 SCALE: NONE



**7** UNDERGROUND TO ABOVEGROUND SUCTION PIPE DETAIL  
M-102 SCALE: NONE

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U.S.T. #8 SYSTEM  
SCHEMATIC

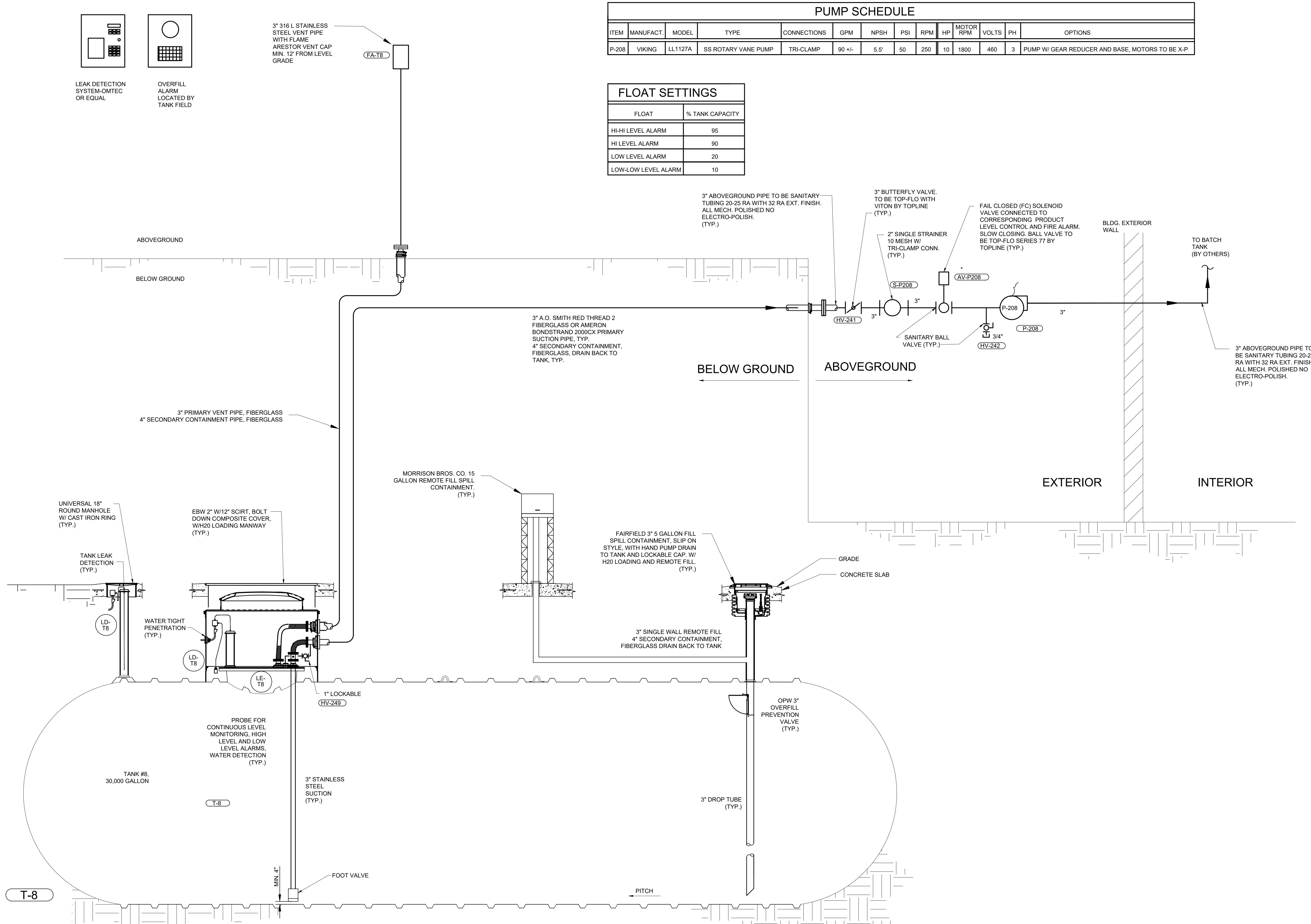
GPI PROJECT/CONTRACT NO.:

M103

SHEET OF 3

PUMP SCHEDULE													
ITEM	MANUFACT.	MODEL	TYPE	CONNECTIONS	GPM	NPSH	PSI	RPM	HP	MOTOR RPM	VOLTS	PH	OPTIONS
P-208	VIKING	LL1127A	SS ROTARY VANE PUMP	TRI-CLAMP	90 +/-	5.5'	50	250	10	1800	460	3	PUMP W/ GEAR REDUCER AND BASE, MOTORS TO BE X-P

FLOAT SETTINGS	
FLOAT	% TANK CAPACITY
HI-HI LEVEL ALARM	95
HI LEVEL ALARM	90
LOW LEVEL ALARM	20
LOW-LOW LEVEL ALARM	10



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 Plotted By: AUSTIN WHALEN

\* FOR LOCATION OF SOLENOID VALVE REFER TO OWNERS  
 DIRECTION TYPICAL FOR 6 LOCATIONS

1 U.S.T. #8 PIPING SCHEMATIC  
 M103 SCALE: NONE

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U.S.T. 9 SYSTEM  
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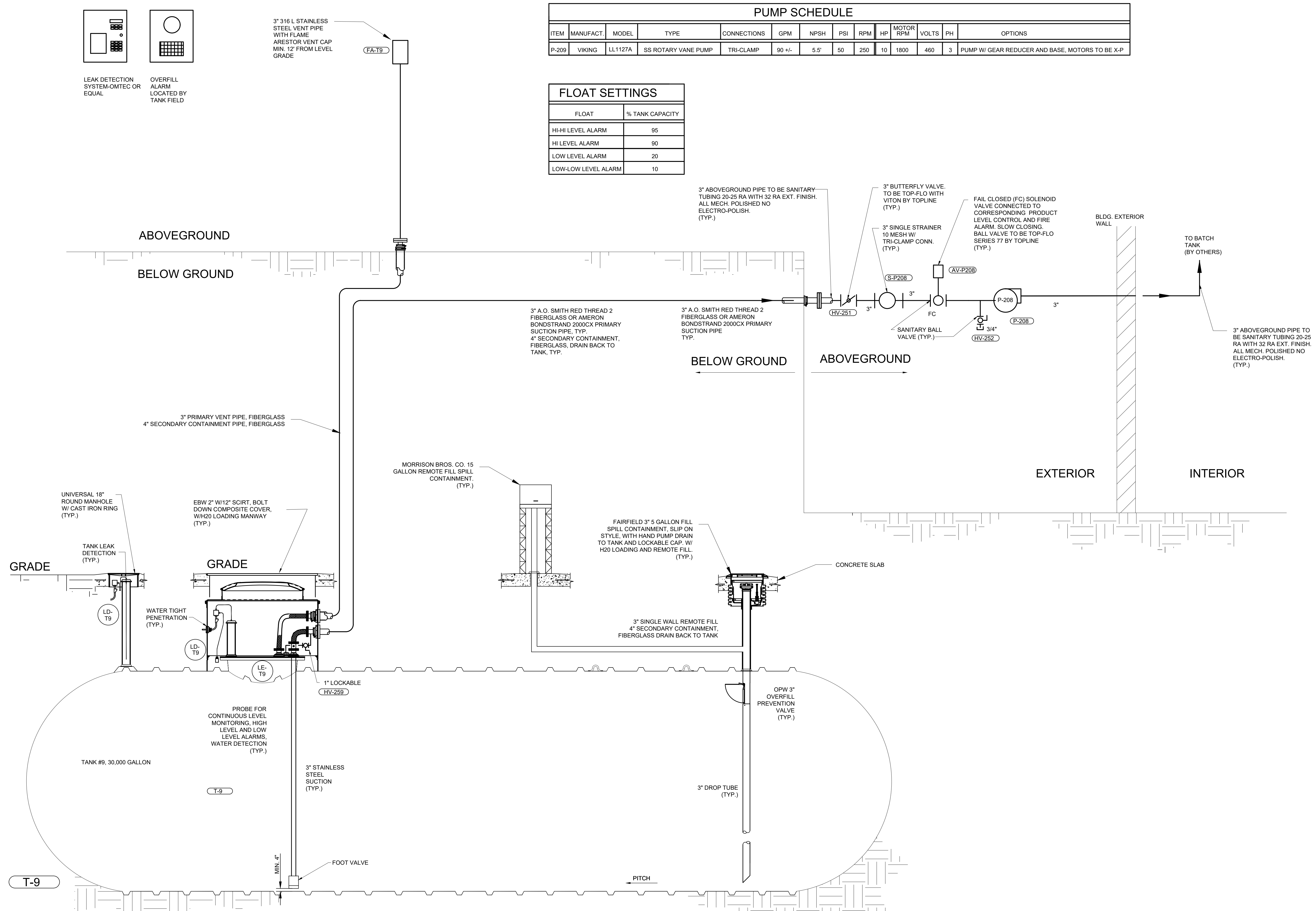
GPI PROJECT/CONTRACT NO.:

M104

SHEET OF 3

PUMP SCHEDULE													
ITEM	MANUFACT.	MODEL	TYPE	CONNECTIONS	GPM	NPSH	PSI	RPM	HP	MOTOR RPM	VOLTS	PH	OPTIONS
P-209	VIKING	LL1127A	SS ROTARY VANE PUMP	TRI-CLAMP	90 +/-	5.5'	50	250	10	1800	460	3	PUMP W/ GEAR REDUCER AND BASE, MOTORS TO BE X-P

FLOAT SETTINGS	
FLOAT	% TANK CAPACITY
HI-HI LEVEL ALARM	95
HI LEVEL ALARM	90
LOW LEVEL ALARM	20
LOW-LOW LEVEL ALARM	10



1 U.S.T. #9 PIPING SCHEMATIC  
SCALE: NONE

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