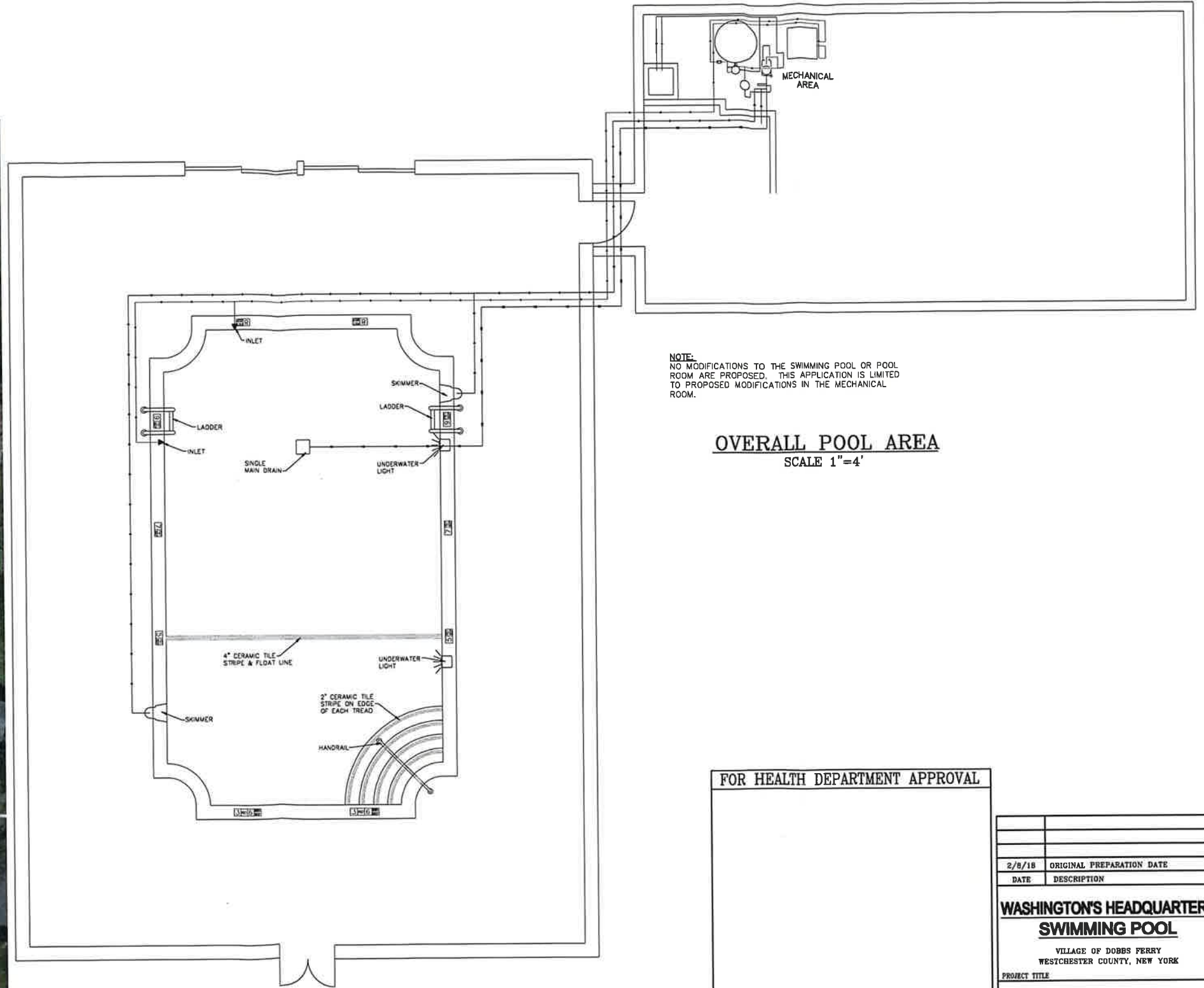


**PROJECT LOCATION MAP**  
SCALE 1"=50'



**NOTE:**  
NO MODIFICATIONS TO THE SWIMMING POOL OR POOL ROOM ARE PROPOSED. THIS APPLICATION IS LIMITED TO PROPOSED MODIFICATIONS IN THE MECHANICAL ROOM.

**OVERALL POOL AREA**  
SCALE 1"=4'

FOR HEALTH DEPARTMENT APPROVAL

2/8/18	ORIGINAL PREPARATION DATE
DATE	DESCRIPTION

**WASHINGTON'S HEADQUARTERS SWIMMING POOL**

VILLAGE OF DOBBS FERRY  
WESTCHESTER COUNTY, NEW YORK

**POOL AREA PLAN**

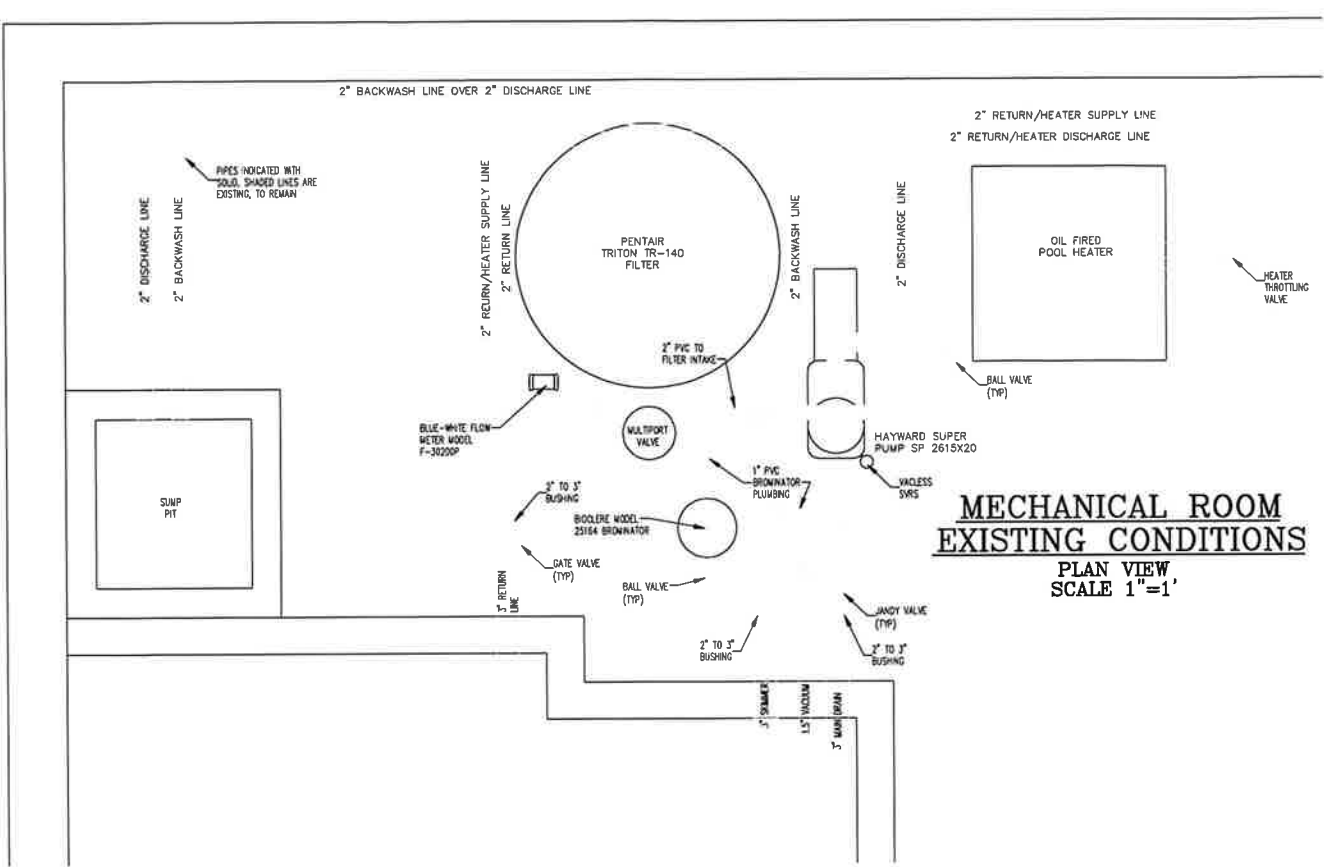
DRAWING TITLE

SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_  
UNAUTHORIZED ALTERATION OR ADDITION TO A PLAN BEARING A LICENSED LAND SURVEYOR'S OR PROFESSIONAL ENGINEER'S SEAL IS A VIOLATION OF SECTION 7206, SUB-DIVISION 3 OF THE N.Y. STATE EDUCATION LAW.

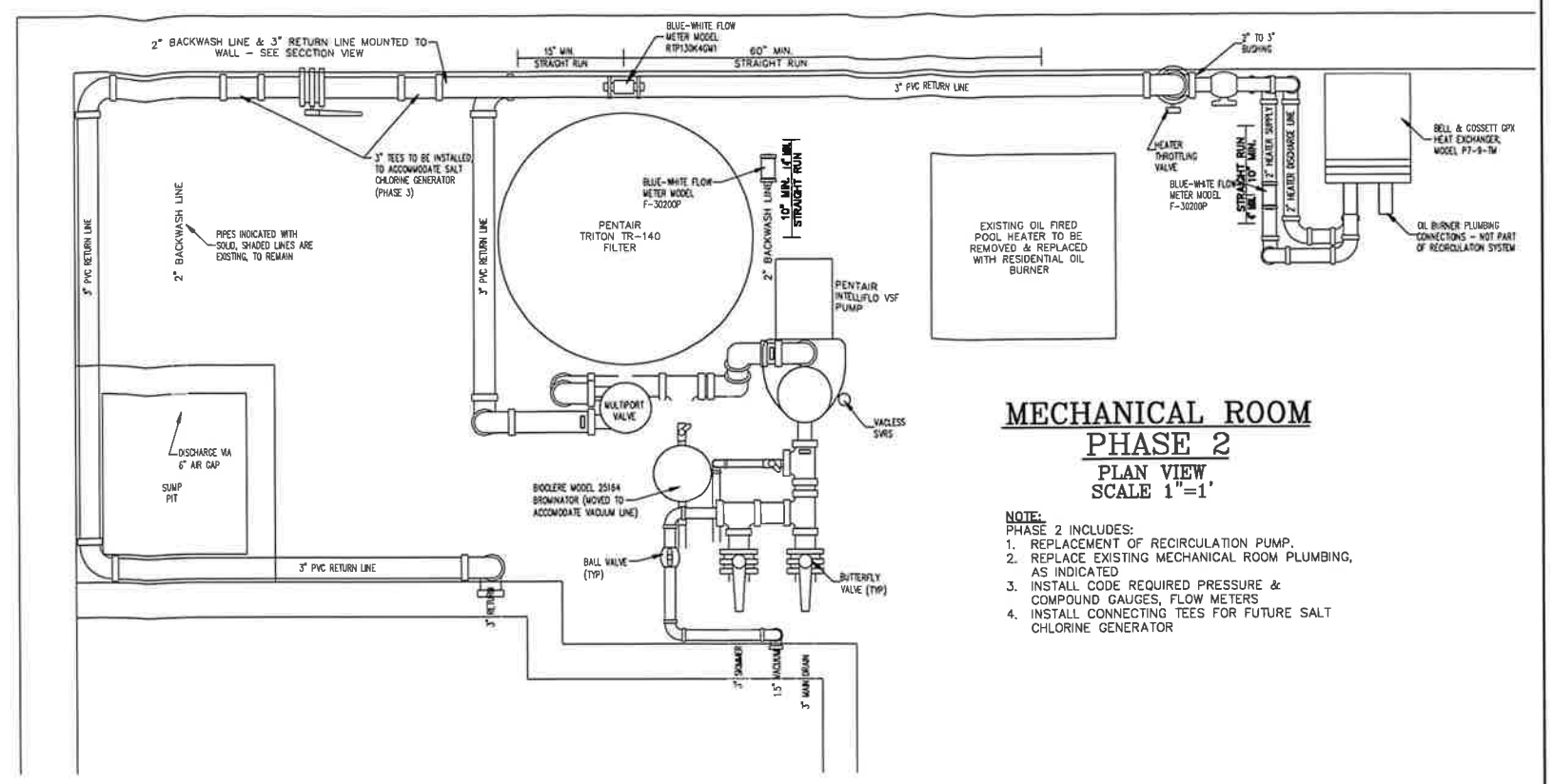
**JOHN PETROCCIONE P.E., PLLC**  
LICENSE NO. 078618  
128 NEPTUNE DRIVE, MONROE, NEW YORK 10950  
(845) 782-7725

SCALE	PROJECT	CAD REFERENCE
AS NOTED	WASHINGTON'S HEADQUARTERS	WHQ MECH RM
NYSDEC DWG. NO.	WCED DWG. NO.	DWG. NO.
N/A of N/A	1 of 3	1 of 3

THIS SHEET IS INCOMPLETE AND INVALID WITHOUT EACH AND EVERY OTHER SHEET LISTED IN THE TITLE BOX UNDER THE HEADING W.C.H.D. SHEET NO. - OF - .

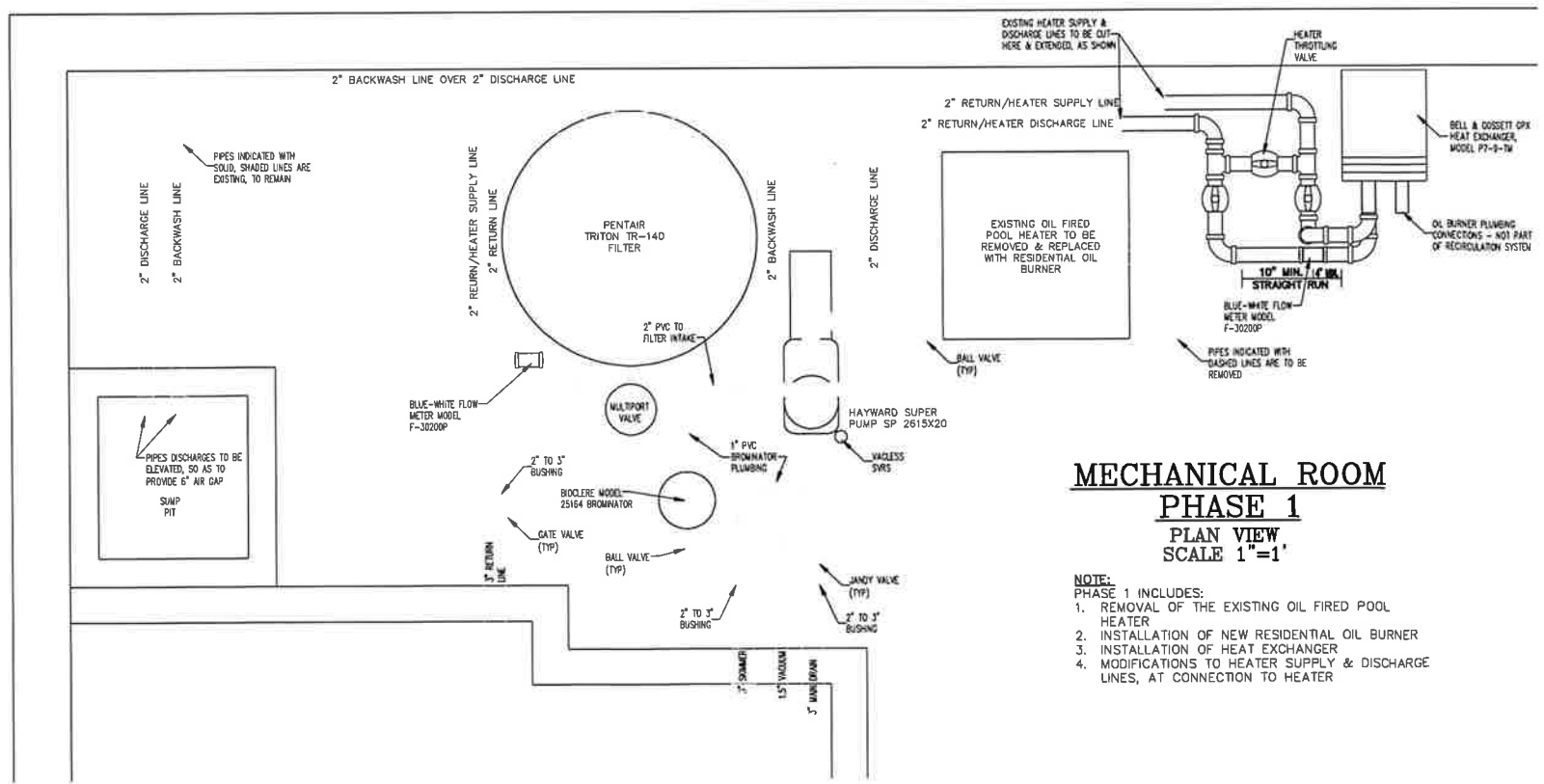


**MECHANICAL ROOM  
EXISTING CONDITIONS**  
PLAN VIEW  
SCALE 1"=1'



**MECHANICAL ROOM  
PHASE 2**  
PLAN VIEW  
SCALE 1"=1'

- NOTE:**  
PHASE 2 INCLUDES:  
1. REPLACEMENT OF RECIRCULATION PUMP.  
2. REPLACE EXISTING MECHANICAL ROOM PLUMBING, AS INDICATED  
3. INSTALL CODE REQUIRED PRESSURE & COMPOUND GAUGES, FLOW METERS  
4. INSTALL CONNECTING TEES FOR FUTURE SALT CHLORINE GENERATOR



**MECHANICAL ROOM  
PHASE 1**  
PLAN VIEW  
SCALE 1"=1'

- NOTE:**  
PHASE 1 INCLUDES:  
1. REMOVAL OF THE EXISTING OIL FIRED POOL HEATER  
2. INSTALLATION OF NEW RESIDENTIAL OIL BURNER  
3. INSTALLATION OF HEAT EXCHANGER  
4. MODIFICATIONS TO HEATER SUPPLY & DISCHARGE LINES, AT CONNECTION TO HEATER

**NOTE:**  
THE CONTRACTOR IS TO VERIFY THE DIMENSIONS OF THE MECHANICAL ROOM AND THE PROPOSED EQUIPMENT PRIOR TO INSTALLATION.

FOR HEALTH DEPARTMENT APPROVAL

2/6/18	ORIGINAL PREPARATION DATE		
	DATE		
	DESCRIPTION		
<b>WASHINGTON'S HEADQUARTERS SWIMMING POOL</b>			
VILLAGE OF DOBBS FERRY WESTCHESTER COUNTY, NEW YORK			
<b>POOL AREA PLAN</b>			
DRAWING TITLE			
SIGNATURE			
DATE			
UNAUTHORIZED ALTERATION OR ADDITION TO A PLAN BEARING A LICENSED LAND SURVEYOR'S OR PROFESSIONAL ENGINEER'S SEAL IS A VIOLATION OF SECTION 1209, SUB-DIVISION 3 OF THE N.Y. STATE EDUCATION LAW.			
<b>JOHN PETROCCIONE P.E., P.L.C.</b>			
LICENSE NO. 078516 129 NEPTUNE DRIVE, MONROE, NEW YORK 10950 (845) 782-7725			
SCALE	PROJECT	CAD REFERENCE	
1"=1'	WASHINGTON'S HEADQUARTERS	WHQ MECH RM	
NYSDOC DWG.NO	WCBD DWG.NO	DWG.NO	
N/A of N/A	2 of 3	2 of 3	

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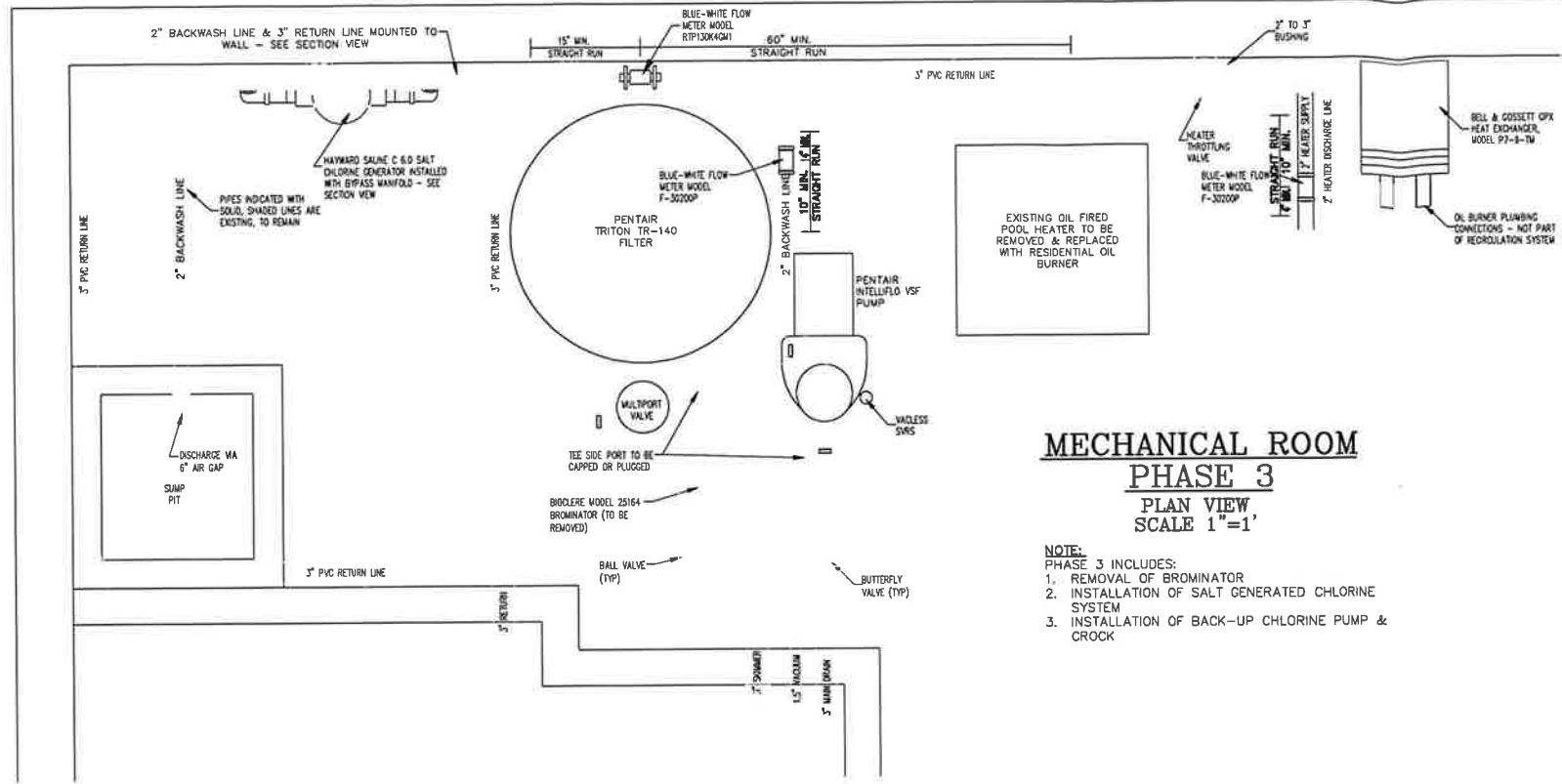
SWIMMING POOL EQUIPMENT LIST

ITEM	MANUFACTURER	MODEL	QUANTITY
RECIRC. PUMP	PENTAIR	INTELLIFLO VSF	1
FILTER	PAC-FAB	TRITON, TR-140	1
INLETS	EXISTING	UNKNOWN	2
FLOW METER	BLUE & WHITE	BLUE-WHITE FLOW METER MODEL RTP130K4GM1 (ON RETURN LINE)	1
FLOW METER	BLUE & WHITE	F-30200P (ON BACKWASH & HEATER SUPPLY LINES)	2
CHLORINE FEEDER	ROLA-CHEM	RC 25/5.3SC (12 GPD MAX.)	1
SALT SYSTEM	HAYWARD	SALINE C 6.0	1
HEAT EXCHANGER	BELL & GOSSET	GPX MODEL P7-9-TM	1

THIS EQUIPMENT LIST IS BASED UPON AN AS-BUILT FINAL INSPECTION PERFORMED ON \_\_\_\_\_

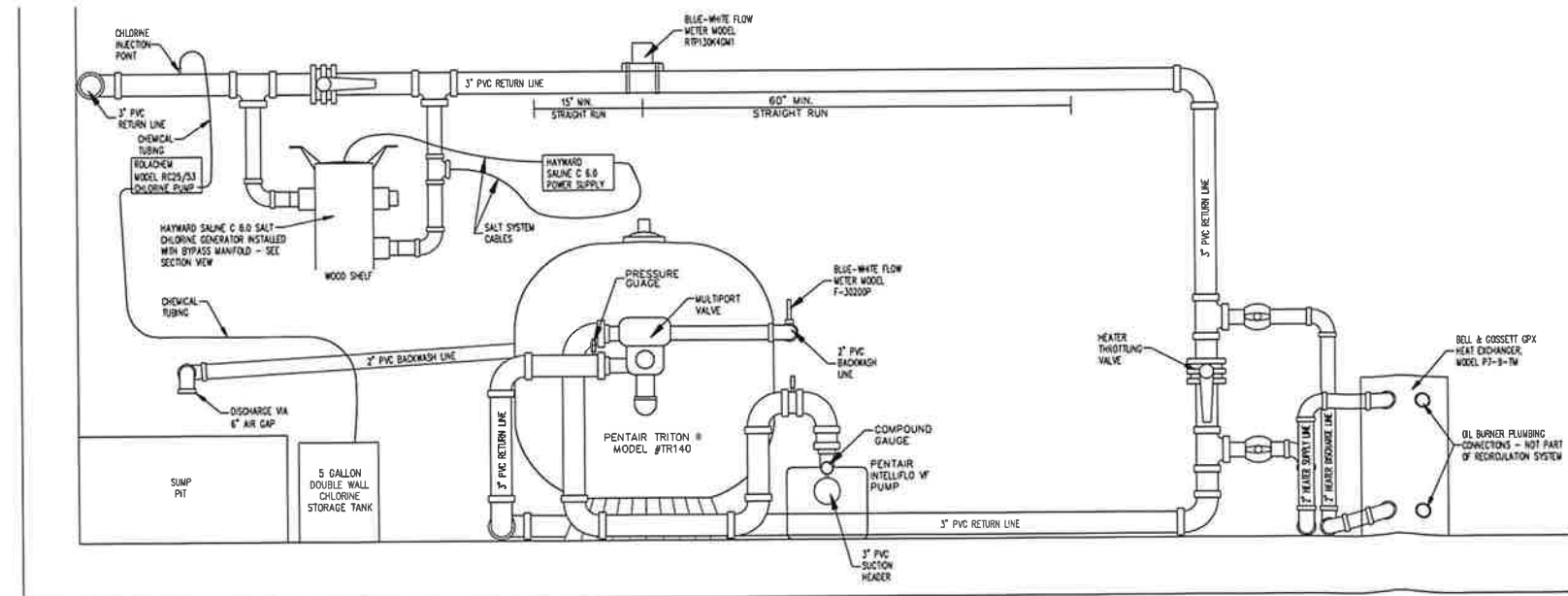
GENERAL NOTES:

- THE POOL'S ELECTRICAL SYSTEM AND ALL OTHER WIRING SHALL CONFORM TO ARTICLE 680 OF THE NATIONAL ELECTRICAL CODE.
- ALL LIGHTING AND ELECTRICAL CIRCUITS PROVIDED IN THE POOL AREA AND MECHANICAL ROOM ARE TO BE PROTECTED BY GROUND FAULT CIRCUIT INTERRUPTERS IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE & THE NATIONAL FIRE PROTECTION ASSOCIATION'S NFPA 70-1999.
- THE EQUIPMENT ROOM IS TO BE PROVIDED WITH ARTIFICIAL LIGHTING SUFFICIENT TO CLEARLY ILLUMINATE ALL AREAS OF THE ENCLOSED SPACE.
- THE MECHANICAL ROOM IS TO BE PROVIDED WITH A VENTILATION SYSTEM IN ACCORDANCE WITH ALL APPLICABLE CODES. AT A MINIMUM THE VENTILATION SYSTEM OF THE MECHANICAL ROOM SHALL BE SUFFICIENT TO PROVIDE 2 AIR CHANGES PER HOUR. SHOULD THE BUILDING'S HVAC SYSTEM BE INADEQUATE TO MEET THIS REQUIREMENT, VENTILATION SHALL BE PROVIDED THROUGH THE USE OF A FAN WITH LOUVERED VENTS OPEN TO THE OUTDOORS.
- THE HEATING EQUIPMENT SHALL BE INSTALLED AND VENTED TO THE OUTDOORS IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS AND THE UNIFORM CODE.
- THE POOL BUILDER SHALL PROVIDE AN OPERATION MANUAL, INCLUDING FULL OPERATING INSTRUCTIONS FOR THE SALT CHLORINE GENERATING SYSTEMS, DRAWINGS, ILLUSTRATIONS AND PARTS LISTS SHALL BE INCLUDED ALONG WITH INSTRUCTIONS FOR THE OPERATION AND MAINTENANCE OF THE EQUIPMENT. THE MANUAL SHALL BE SUBMITTED TO, AND APPROVED BY THE WESTCHESTER COUNTY DEPARTMENT OF HEALTH.
- POOL WATER MUST BE HELD FOR TEN DAYS PRIOR TO DISCHARGE TO ALLOW THE CHLORINE TO DISSIPATE. WATER BEING DISCHARGED MUST ALSO BE FREE OF ANY OTHER POLLUTANTS INCLUDING, BUT NOT LIMITED TO SLICIMIDES, BIOCIDES, ALGAEICIDES, DETERGENTS AND CLEANERS.
- ALL HOSE BIBS IN THE POOL AREA ARE TO BE PROVIDED WITH VACUUM BREAKERS.
- ALL PIPING IS TO BE EITHER SCHEDULE 80 OR SCHEDULE 40 RIGID PVC.
- THE CONTRACTOR SHALL REVIEW ALL MANUFACTURER'S RECOMMENDATIONS AND REQUIREMENTS FOR ALL COMPONENTS TO BE INSTALLED. ANY REQUIREMENTS OR RECOMMENDATIONS REQUIRING DEVIATION FROM THE APPROVED PLANS SHALL REQUIRE PRIOR APPROVAL BY THE DESIGN ENGINEER AND/OR THE DEPARTMENT OF HEALTH.
- AN ELECTRICAL INTERLOCK SHALL BE PROVIDED FOR THE CHEMICAL PUMPS, THEY SHALL BE HARD WIRED TO THE RECIRCULATION PUMP FOR THE POOL WHICH THEY SERVE, SUCH THAT THE CHEMICAL PUMPS WILL CEASE TO OPERATE IF THE RECIRCULATION PUMP IS NOT RUNNING. EITHER AN AUDIBLE ALARM OR LIGHT, VISIBLE IN THE POOL AREA SHALL BE PROVIDED TO INDICATE THAT EITHER PUMP IS NOT OPERATING.
- THE LIQUID CHLORINE PUMP IS PROVIDED FOR POOL SHOCKING PURPOSES ONLY. THE SALT CHLORINE GENERATOR AND LIQUID CHLORINE PUMP ARE NOT TO BE USED SIMULTANEOUSLY. THE LIQUID CHLORINE PUMP IS TO BE OPERATED MANUALLY, AND NOT CONNECTED TO THE AUTOMATED CHEMICAL CONTROLLER.
- THE SALT CHLORINE GENERATOR HAS AN OPERATING SALINITY LEVEL RANGE OF 3500 - 5000 PPM. THE OPERATOR SHALL CHECK THE SALINITY LEVELS AND RECORD THEM IN THE POOL OPERATIONS MANUAL ON A DAILY BASIS, AND MAKE ADJUSTMENTS, AS NEEDED, TO OBTAIN THE OPTIMAL LEVEL. THE POOL SHALL NOT BE UTILIZED IF THE SALINITY LEVELS ARE NOT WITHIN THE OPERATIONAL RANGE.



MECHANICAL ROOM  
PHASE 3  
PLAN VIEW  
SCALE 1"=1'

- NOTE:  
PHASE 3 INCLUDES:  
1. REMOVAL OF BROMINATOR  
2. INSTALLATION OF SALT GENERATED CHLORINE SYSTEM  
3. INSTALLATION OF BACK-UP CHLORINE PUMP & CROCK



MECHANICAL ROOM  
PHASE 3 (BUILD-OUT)  
SECTION VIEW  
SCALE 1"=1'

COLOR CODING:  
ALL EXPOSED PIPING SHOULD BE COLOR CODED IN ACCORDANCE WITH THE FOLLOWING TABLE:

PIPING	COLOR CODE	WASTE LINES	COLOR CODE
POTABLE WATER LINES	DARK BLUE	BACKWASH WASTE	DARK BROWN
FILTERED WATER	AQUA	SEWER (SEWER OR OTHER)	DARK GRAY
SKIMMER OR GUTTER RETURN	OLIVE GREEN	DECK DRAINS	LIGHT BROWN
MAIN DRAIN	BLACK	COMPRESSED AIR	DARK GREEN
ALUM DRAIN	ORANGE	GAS	RED
CHLORINE (GAS/SOLUTION)	YELLOW		
SODA ASH	WHITE		
ACID	PINK		

NOTE:  
THE CONTRACTOR IS TO VERIFY THE DIMENSIONS OF THE MECHANICAL ROOM AND THE PROPOSED EQUIPMENT PRIOR TO INSTALLATION.

FOR HEALTH DEPARTMENT APPROVAL

2/8/18	ORIGINAL PREPARATION DATE
DATE	DESCRIPTION
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VILLAGE OF DOBBS FERRY WESTCHESTER COUNTY, NEW YORK	
PROJECT TITLE	
<b>POOL AREA PLAN</b>	
DRAWING TITLE	
SIGNATURE _____ DATE _____	
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<b>JOHN PETROCCHIONE P.E., PLLC</b>	
LICENSE NO. 078618 129 NEPTUNE DRIVE, MONROE, NEW YORK 10950 (845) 782-7725	
SCALE 1"=1'	PROJECT WASHINGTON'S HEADQUARTERS
CAD REFERENCE N/A	WDG MECH RM 3 of 3
NYSDEC DWG. NO. N/A	WDG DWG. NO. 3 of 3
	DWG. NO. 3 of 3

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