

**AERATION TANK**  
TNK-201A,B

Diameter: 14.52 MI  
Height: 5.67 MI

**SETTLING TANK**  
TNK-301

Diameter: 7.69 MI  
Height: 5.67 MI

**SCRAPER**  
SCR-302 A,B

RPM : 0.2  
M.Power : 0.37 kW

**RETURN SLUDGE PUMP**  
PMP-RAS-1,2

Flow : 45.5 M<sup>3</sup>/h  
Δ P : 0.5 MI WC  
Temp : 40 °C  
RPM : 1450  
M.Power : 3 kW

**EXCESS SLUDGE PUMP**  
PMP-WAS-1,2

Flow : 45.5 M<sup>3</sup>/h  
Δ P : 0.5 MI WC  
Temp : 40 °C  
RPM : 1450  
M.Power : 3 kW

**RETURN/EXCESS SLUDGE PUMP**  
PMP-RAS/WAS-1,2

Flow : 45.5 M<sup>3</sup>/h  
Δ P : 0.5 MI WC  
Temp : 40 °C  
RPM : 1450  
M.Power : 3 kW

**CHLORINE CONTACT & COLLECTING TANK**  
TNK-401

Diameter: 4.27 MI  
Height: 4.27 MI

**TREATED WATER PUMP**  
PMP-402

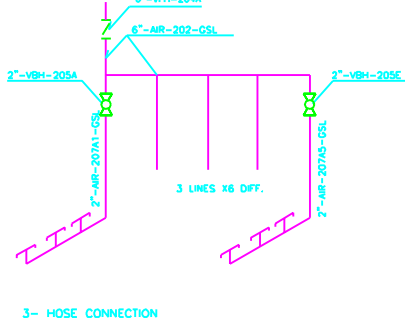
Flow : 23 M<sup>3</sup>/h  
Δ P : 30 MI WC  
Temp : 40 °C  
RPM : 2900  
M.Power : 5 kW

**GENERAL NOTES**

- ◇ PRE-CHLORINATION FROM PMP-601A
- ◇ RAS-CHLORINATION FROM PMP-601B&C
- ◇ POST-CHLORINATION FROM PMP-601D/E/F
- ◇ TO DRAIN

**GENERAL NOTES**

- ALL CIVIL WORKS ARE OUT OF SCOPE
- 1- ANOXIC ZONE
- 2- AIR DISTRIBUTION SYSTEM FOR EACH AERATION TANK WITH 48 AIR DIFFUSER/TANK CONSISTS OF TWO GROUPS EACH ONE AS FOLLOW & EACH BRANCH SUPPLY AIR TO TWO DIFFUSERS



REV	DATE	BY	REVISION DETAILS	CHKD	APPD
01					
02					
03					

**DRAWING TITLE** P&I DIAGRAM

**PROJECT:**

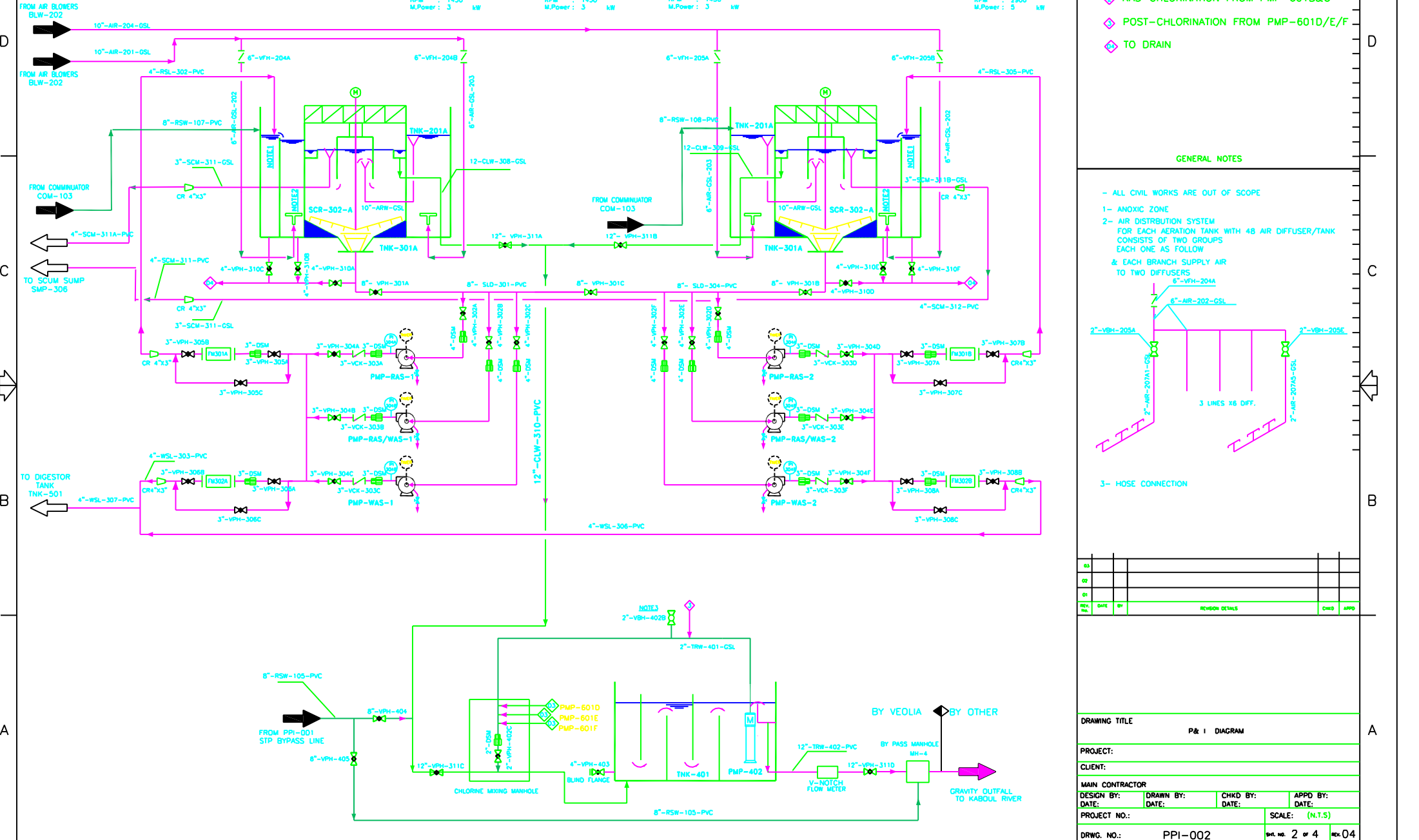
**CLIENT:**

**MAIN CONTRACTOR**

DESIGN BY: \_\_\_\_\_ DRAWN BY: \_\_\_\_\_ CHKD BY: \_\_\_\_\_ APPD BY: \_\_\_\_\_  
 DATE: \_\_\_\_\_ DATE: \_\_\_\_\_ DATE: \_\_\_\_\_ DATE: \_\_\_\_\_

PROJECT NO.: \_\_\_\_\_ SCALE: (N.T.S.)

DRWG. NO.: PPI-002 SHE. NO. 2 OF 4 REV. 04



D  
C  
B  
A

D  
C  
B  
A