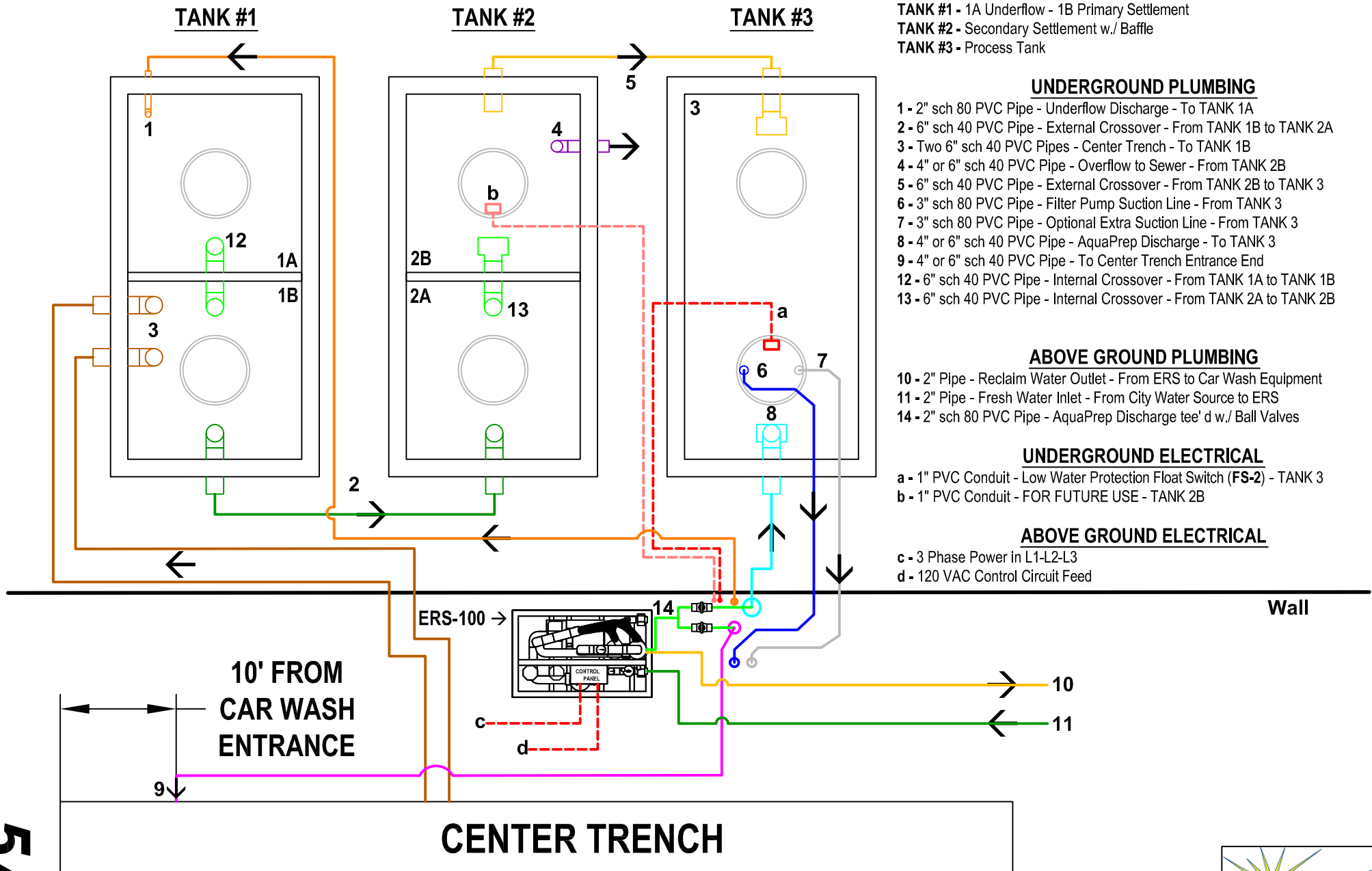


# ERS-100 SYSTEM OVERVIEW

## Typical Layout



# ERS-100 SYSTEM OVERVIEW

## Typical 3-Pit Layout

(Tanks End to End)

### UNDERGROUND PLUMBING

- 1 - 2" sch 80 PVC Pipe - Underflow Discharge - To TANK 1A
- 2 - 6" sch 40 PVC Pipe - External Crossover - From TANK 1B to TANK 2A
- 3 - Two 6" sch 40 PVC Pipes - Center Trench - To TANK 1B
- 4 - 4" or 6" sch 40 PVC Pipe - Overflow to Sewer - From TANK 2B
- 5 - 6" sch 40 PVC Pipe - External Crossover - From TANK 2B to TANK 3
- 6 - 3" sch 80 PVC Pipe - Filter Pump Suction Line - From TANK 3
- 7 - 3" sch 80 PVC Pipe - Optional Extra Suction Line - From TANK 3
- 8 - 4" or 6" sch 40 PVC Pipe - AquaPrep Discharge - To TANK 3
- 9 - 4" or 6" sch 40 PVC Pipe - To Center Trench Entrance End
- 12 - 6" sch 40 PVC Pipe - Internal Crossover - From TANK 1A to TANK 1B
- 13 - 6" sch 40 PVC Pipe - Internal Crossover - From TANK 2A to TANK 2B

### TANKS

*TYPICAL 2,000 GAL. PRECAST CONCRETE*

*ALL TANKS SET AT SAME ELEVATION*

**TANK #1** - 1A Underflow - 1B Primary Settlement

**TANK #2** - Secondary Settlement w./ Baffle

**TANK #3** - Process Tank

### ABOVE GROUND PLUMBING

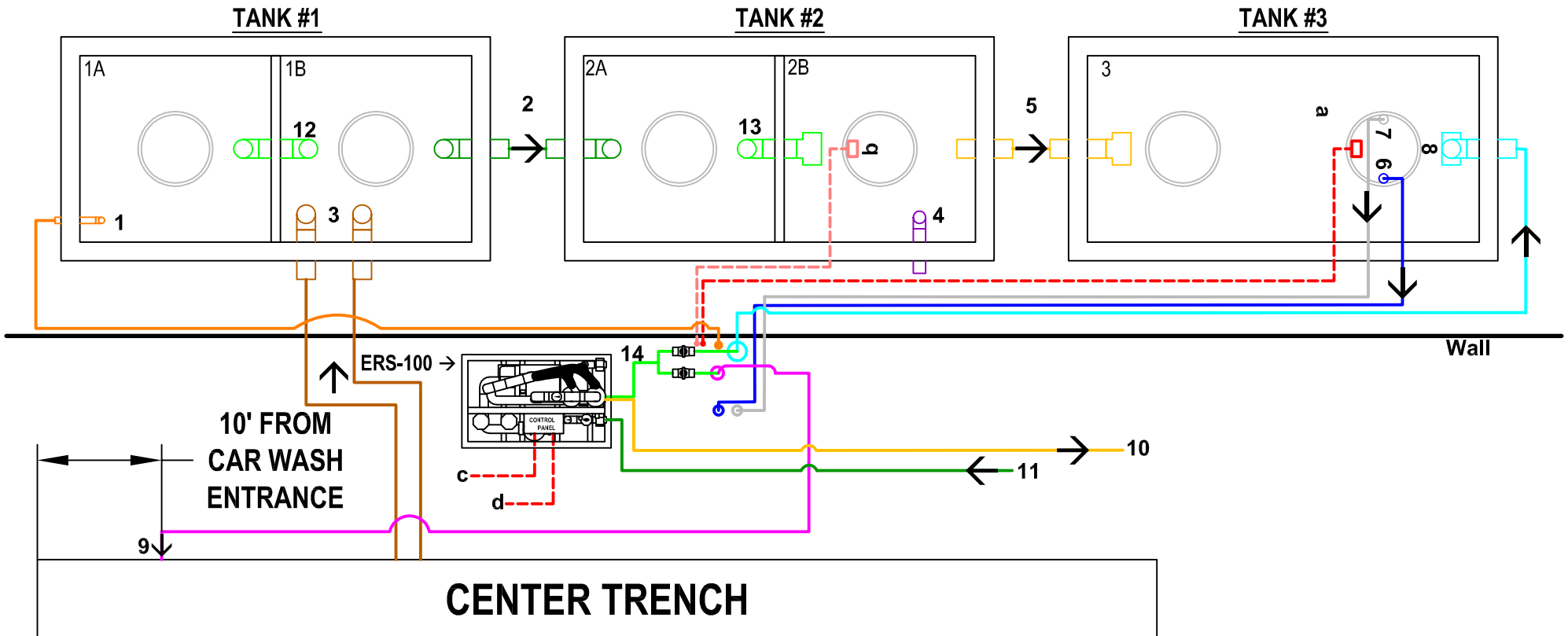
- 10 - 2" Pipe - Reclaim Water Outlet - From ERS to Car Wash Equipment
- 11 - 2" Pipe - Fresh Water Inlet - From City Water Source to ERS
- 14 - 2" sch 80 PVC Pipe - AquaPrep Discharge tee' d w./ Ball Valve

### UNDERGROUND ELECTRICAL

- a - 1" PVC Conduit - Low Water Protection Float Switch (**FS-2**) - TANK 3
- b - 1" PVC Conduit - FOR FUTURE USE - TANK 2B

### ABOVE GROUND ELECTRICAL

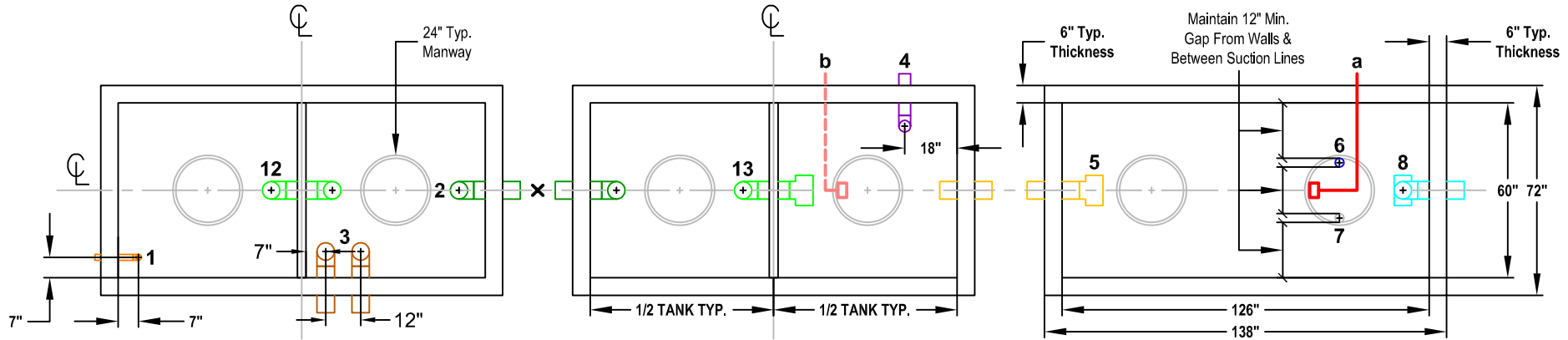
- c - 3 Phase Power in L1-L2-L3
- d - 120 VAC Control Circuit Feed



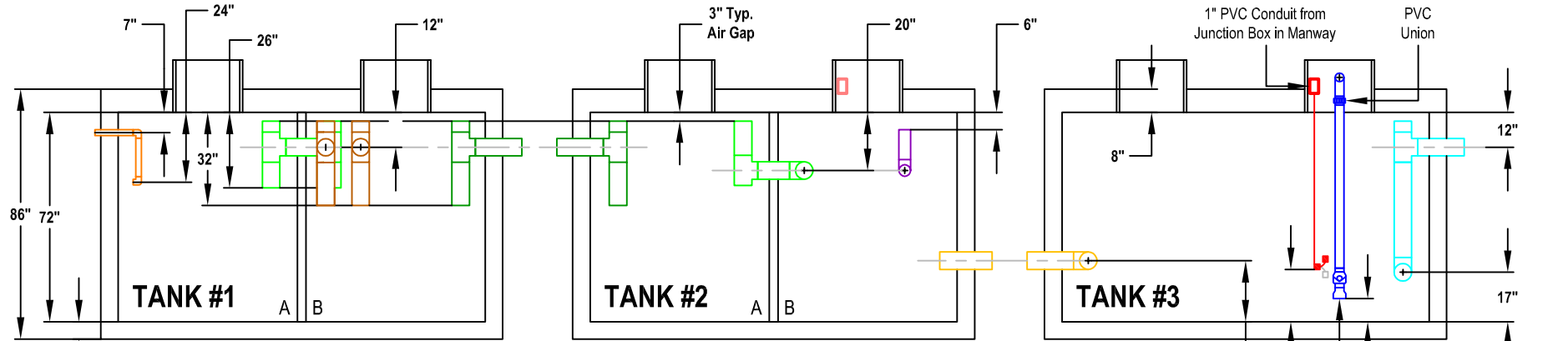
# SOBRITE ERS 100 3-TANK LAYOUT

## Three 2,000 Gallon Precast Concrete Tanks

TOP VIEW



SIDE VIEW



**THREE 2,000-GALLON PRECAST CONCRETE TANKS**  
138" Length x 72" Width x 86" Height

- TANK #1 - 1A Underflow - 1B Primary Settlement
- TANK #2 - Secondary Settlement w/ Baffle
- TANK #3 - Process Tank

**PLUMBING LEGEND**

- 1 - 2" sch 80 PVC Pipe - Underflow Discharge - To TANK 1A
- 2 - 6" sch 40 PVC Pipe - External Crossover - From TANK 1B to TANK 2A
- 3 - Two 6" sch 40 PVC Pipes - Center Trench - To TANK 1B
- 4 - 4" or 6" sch 40 PVC Pipe - Overflow to Sewer - From TANK 2B
- 5 - 6" sch 40 PVC Pipe - External Crossover - From TANK 2B to TANK 3
- 6 - 3" sch 80 PVC Pipe - Filter Pump Suction Line - From TANK 3
- 7 - 3" sch 80 PVC Pipe - Optional Extra Suction Line - From TANK 3
- 8 - 4" or 6" sch 40 PVC Pipe - AquaPrep Discharge - To TANK 3
- 12 - 6" sch 40 PVC Pipe - Internal Crossover - From TANK 1A to TANK 1B
- 13 - 6" sch 40 PVC Pipe - Internal Crossover - From TANK 2A to TANK 2B

**ELECTRICAL LEGEND**

- a - 1" PVC Conduit - Low Water Protection Float Switch (FS-2) - TANK 3
- b - 1" PVC Conduit - FOR FUTURE USE - TANK 2B

**NOTES:**

- All underground plumbing & tanks by other.
- Actual tank dimensions may vary.
- Plumbing should be placed as shown regardless of what tanks are used.
- All pipes must be set below frost line.
- Suction lines MUST be sch 80 PVC.
- Do NOT install screens on foot valve.
- All tank bottoms should be same elevation.
- Consult engineer for elevations.

Low Water Protection Float Switch (FS-2) - Locate 18" from Bottom of Float Weight

Foot Valve

(If Foot Valve is Raised, The Float Switch Also Needs to be Raised)  
**Keep a 10" Distance Between Them!**

**DRAWING**  
**NOT TO SCALE**