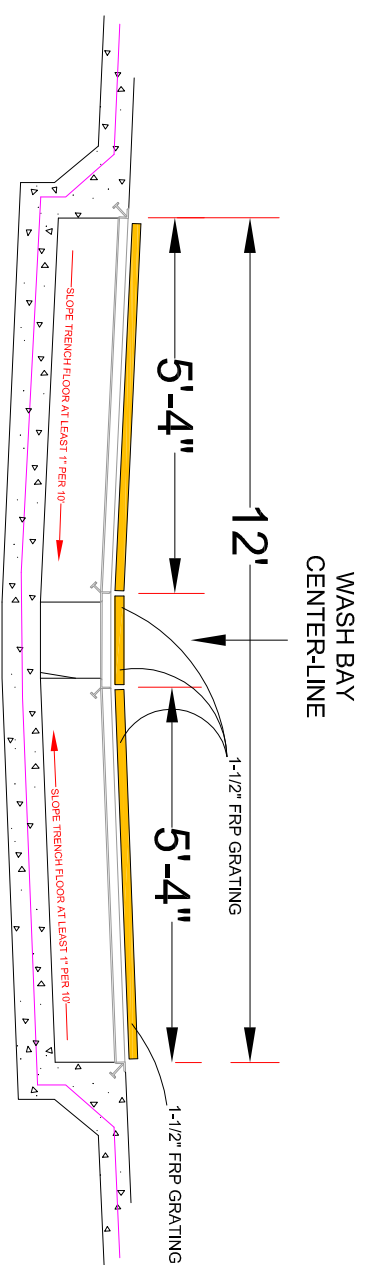
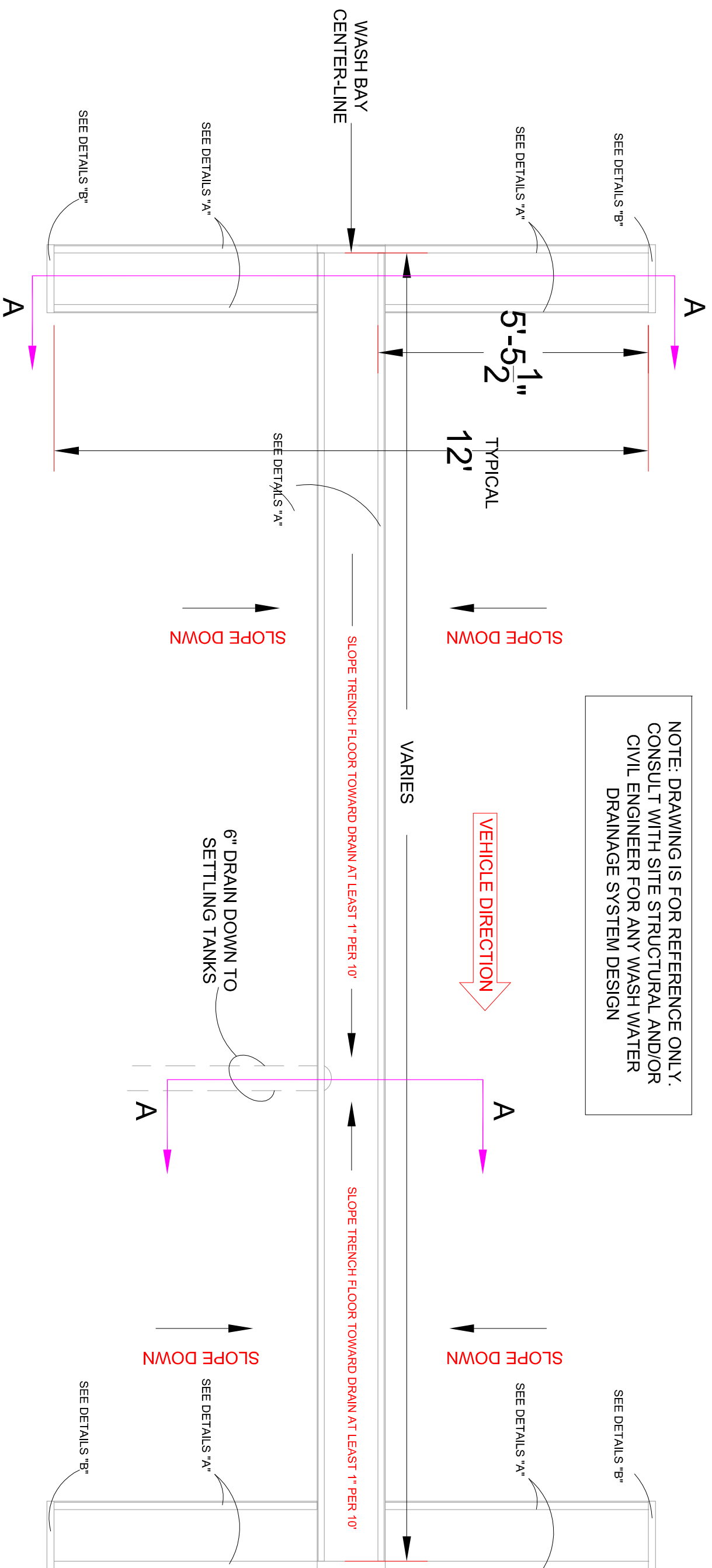


NOTE: DRAWING IS FOR REFERENCE ONLY.  
CONSULT WITH SITE STRUCTURAL AND/OR  
CIVIL ENGINEER FOR ANY WASH WATER  
DRAINAGE SYSTEM DESIGN



**SECTION A: ENTRANCE-EXIT TRENCHES DETAILS**  
SCALE: NTS

**SECTION B: CENTER TRENCH DETAILS**  
SCALE: NTS

USE 3" (3mm) x 1/2" (13mm) DIA REINFORCING BARS  
ANGLE STEEL UNLESS SPECIFIED OTHERWISE  
WELD  
USE 4" (101mm) x 1/2" (13mm) DIA ANGLE WITH NELSON ANCHOR  
NOTE: SUPPLIED & INSTALLED BY GC

USE 3" (3mm) x 1/2" (13mm) DIA REINFORCING BARS  
ANGLE STEEL UNLESS SPECIFIED OTHERWISE  
WELD  
USE 4" (101mm) x 1/2" (13mm) DIA ANGLE WITH NELSON ANCHOR  
NOTE: SUPPLIED & INSTALLED BY GC



VEHICLE WASHING  
EQUIPMENT

48285 Frank  
Wixom, MI 48393  
www.motorcitywashworks.com

LVL	DATE	ENGR.	DESCRIPTION
<b>Revisions</b>			

<b>DRAWN:</b>	<b>DATE:</b>
ML	09-14-11
<b>SCALE:</b>	<b>PAPER:</b>
NTS	17" X 11"

HARD COPY IS INTENDED TO BE **ANSI B** WHEN PRINTED SCALE(S) ARE NOT ACURATE FOR ANY OTHER SIZE

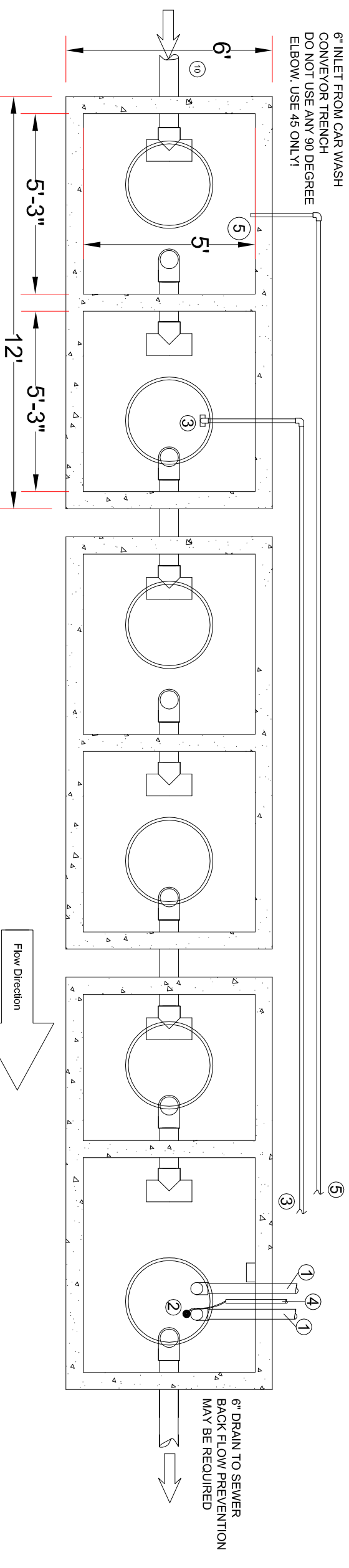
MCWW FLEET WASH  
FLOOR DRAIN  
LAYOUT

SHEET-  
DWG:  
XX

NOTES:  
DRAWING IS FOR REFERENCE ONLY. CONSULT WITH SITE STRUCTURAL AND/OR CIVIL ENGINEER FOR ANY WASH WATER DRAINAGE SYSTEM DESIGN. CONSULT WITH TANK MANUFACTURER FOR TANK LOADS. CONSULT WITH CIVIL ENGINEER FOR SOIL PREPARATION AND TANK PLACEMENT. SEAL ALL TANK PENETRATIONS TO PROVIDE WATER TIGHT SEAL TO PREVENT TANK LEAKAGE INTO SOIL. LINE TO SEWER MAY NEED BACK FLOW PREVENTER. CONSULT WITH LOCAL AUTHORITIES ON WHETHER FURTHER TREATMENT (I.E. OIL/WATER SEPARATOR IS REQUIRED TO MEET DISCHARGE PERMIT), EACH TANK IS DIVIDED BY INTERNAL BAFFLE. TOTAL WATER STORAGE CAN BE FROM 1500 TO 4500 GALLONS DEPENDING ON REQUIRED RECLAIMED WATER USAGE. CONSULT WITH WASH EQUIPMENT MANUFACTURER FOR TOTAL WATER USAGE.

### 3 TANK CONFIGURATION FOR 5 MICRON PUR-WATER RECOVERY SYSTEMS DRAWING IS FOR REFERENCE ONLY!

**THIS IS THE SUGGESTED IDEAL CONFIGURATION FOR A 60 TO 90 GPM MODERATE TO HIGH VOLUME PUR-WATER SYSTEM. PUR-WATER RECOGNIZES THE FACT THAT SEPTIC TANKS ARE A LOCAL BUSINESS AND NOT ALL AREAS WILL HAVE THESE CONFIGURATIONS. THIS DRAWING IS OFFERED AS A GUIDELINE ONLY. IF YOU HAVE ANY QUESTIONS ABOUT A SIZE OR CONFIGURATION OF TANKS IN YOUR AREA, PLEASE CONTACT PUR-WATER AT 800-882-8854**



- ① TO PURWATER RECOVERY SYSTEM (2) 2" (PW200) OR (2) 3" (PW300) SCH 80 PVC SUCTION LINES, ONE TO SERVE AS A SPARE. LINES ARE STRAPPED TO THE TANK WALL. INSTALL SCH 80 UNIONS ABOVE THE WATERLINE TO ALLOW SERVICING OF EACH SUCTION LINE. TERMINATE SUCTION LINES W/ FULL FLOW FLAPPER CHECK VALVES ( NO SPRING LOADED FOOT VALVES). SUPPLIED BY PUREWATER. SUCTION LINES TO BE LOCATED IN LARGER SECTION OF THE TANK
- ② PURWATER PROVIDED (1) LOW-LOW SAFETY LEVEL FLOAT SHOULD BE MOUNTED SO THAT IT WILL BE IN THE DOWN POSITION 8" ABOVE THE BOTTOM OF THE FLAPPER CHECK. THIS FLOAT CONTROLS THE SAFETY FUNCTION TO PROTECT THE PUMP FROM A LOW WATER SITUATION.
- ③ (1) 1" SCH 80 AIR SPARGER OR OZONE RECIRCULATION LINE.  
FOR AIR SPARGER SYSTEMS, ALLOW THE SPARGER TO BE 6-12" ABOVE THE WATER LINE. MOUNT IN THE MANWAY, IF POSSIBLE, TO ALLOW ACCESS FOR MAINTENANCE. FOR OZONE SYSTEMS, PLUMB THE LINE WITH A TEE, ON THE WET END, 24" UP FROM THE BOTTOM OF THE TANK.
- ④ (1) 1" SCH 80 PVC LINE TO SERVE AS A CONDUIT FOR (4) 14 GAUGE WIRES (TWO ARE SPARES) TERMINATED IN A WATER TIGHT JUNCTION BOX ABOVE THEIR WATER LINE TO PURWATER RECLAIM SYSTEM FOR LOW-LOW FLOAT CONTROLS.
- ⑤ (1) 1" SCH 80 UNDERFLOW LINE FROM THE BOTTOM OF THE RECLAIM SYSTEM CYCLONE SEPARATOR. THIS LINE SHOULD BE LEVEL, OR PREFERABLY, SLOPE FROM THE RECLAIM SYSTEM TO THE CAR WASH CATCH BASIN OR THE FIRST COMPARTMENT OF TANK 1.
- ⑥ USE 6" PIPE AS INTERCONNECT PIPING BETWEEN COMPARTMENTS AND BETWEEN TANKS. ELEVATION DIMENSIONS ARE TO PIPE INVERTS.
- ⑦ (1) 6" PVC SCH #40 PIPE TO BE ROUTED TO SEWER. NOTE: BACK FLOW PREVENTION FROM THE SEWER MAY BE REQUIRED.  
CONSULT WITH LOCAL AUTHORITIES ON WHETHER FURTHER TREATMENT (I.E. OIL/WATER SEPARATION IS REQUIRED TO MEET DISCHARGE PERMIT).
- ⑧ (1) 6" INLET FROM EXIT SIDE OF CAR WASH CONVEYOR TRENCH DO NOT USE ANY 90 DEGREE ELBOW. USE 45 ONLY! SLOPE  
PIPE FROM TRENCH TO TANK AT LEAST 1" PER 10'.
- ⑨ (1) 6" INLET FROM ENTRANCE SIDE OF CAR WASH CONVEYOR TRENCH DO NOT USE ANY 90 DEGREE ELBOW. USE 45 ONLY! SLOPE  
PIPE FROM TRENCH TO TANK AT LEAST 1" PER 10'.



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MCWW FLEET WASH  
RECLAIM TANKS  
LAYOUT

SHEET-  
DWG:  
XX