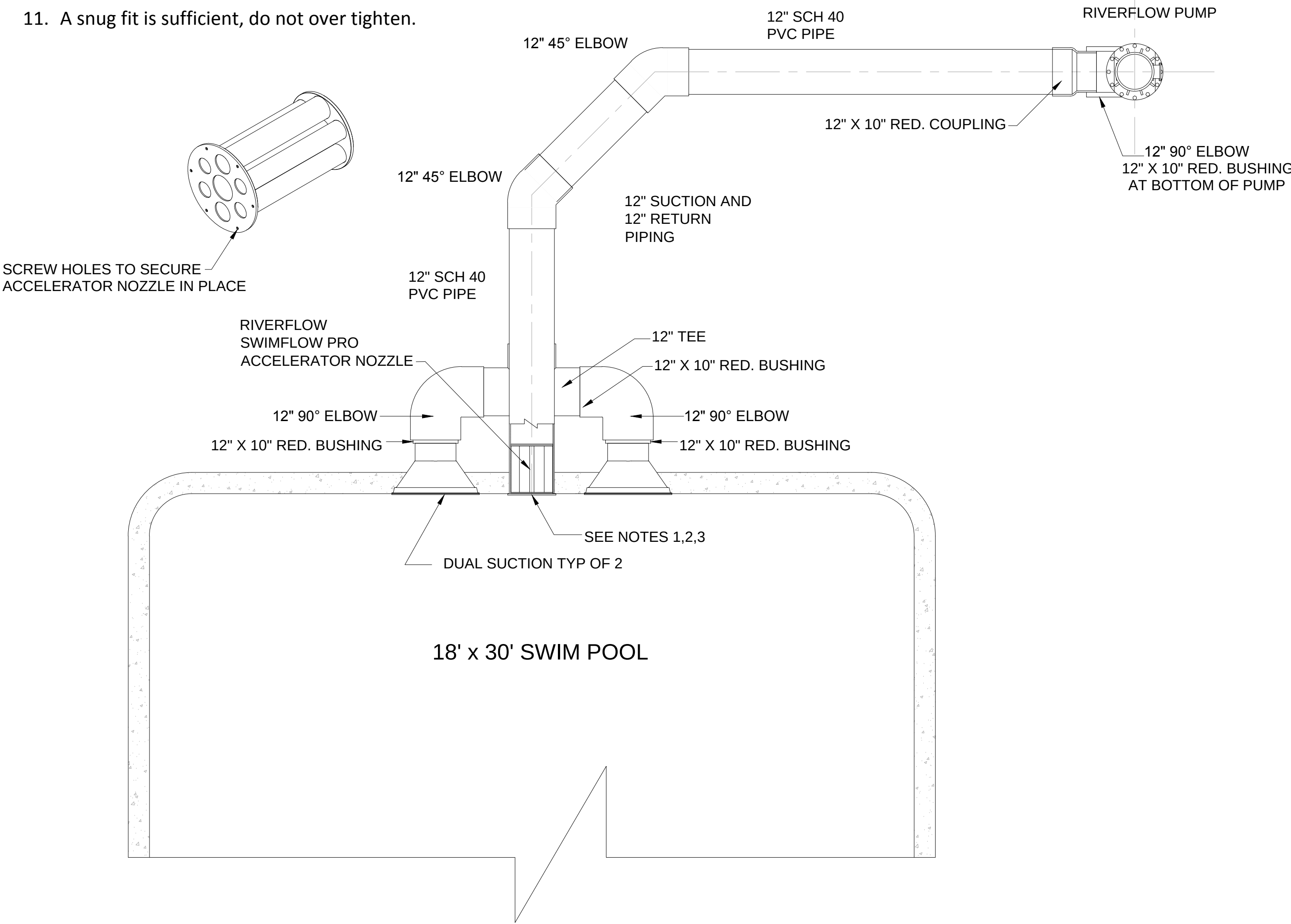


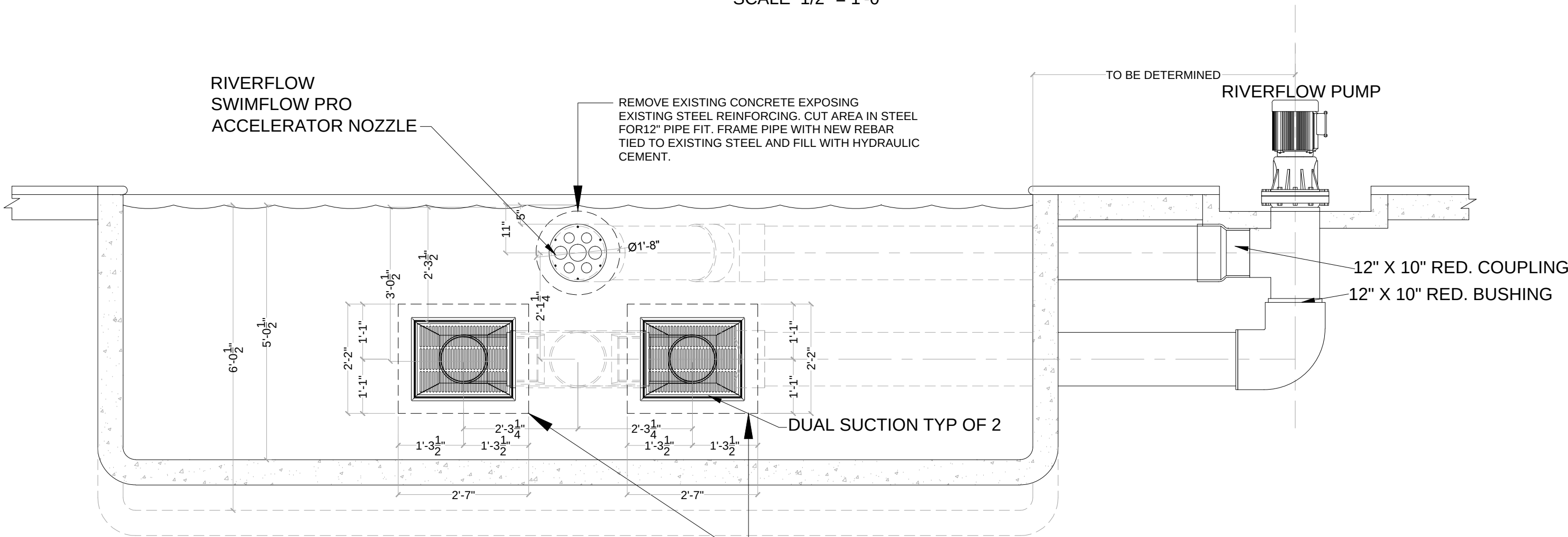
NOTES

1. Trim 12” return pipe flush with shotcrete.
2. Insert Nozzle into 12 inch pipe
3. Use pre drilled holes in trim ring to pilot for 5/32” drill bit to a depth of ¼” into pipe making sure to parallel to the walls of the pipe.
4. Enlarge the pilot hole in the trim ring using a 13/64” bit
5. Apply primer and PVC cement (IPS Weldon 717 or 719) to the entire circumference of the return pipe 12” to 14” back from the pool wall.
6. Apply primer and PVC cement to the outside edge of the smaller nozzle disc.
7. Apply a ¼” bead 100% Silicone adhesive sealant to the backside of the trim ring disc.
8. Insert nozzle assembly into the return pipe pressing firmly to seat the nozzle trim plate against the cur end of the pipe.
9. Rotate nozzle so the four smallest openings are at the top and bottom. It is recommended that a level is used to align the openings on the horizontal plane.
10. Install the provided # 8x3/4” screws to secure the trim ring to the pipe.
11. A snug fit is sufficient, do not over tighten.



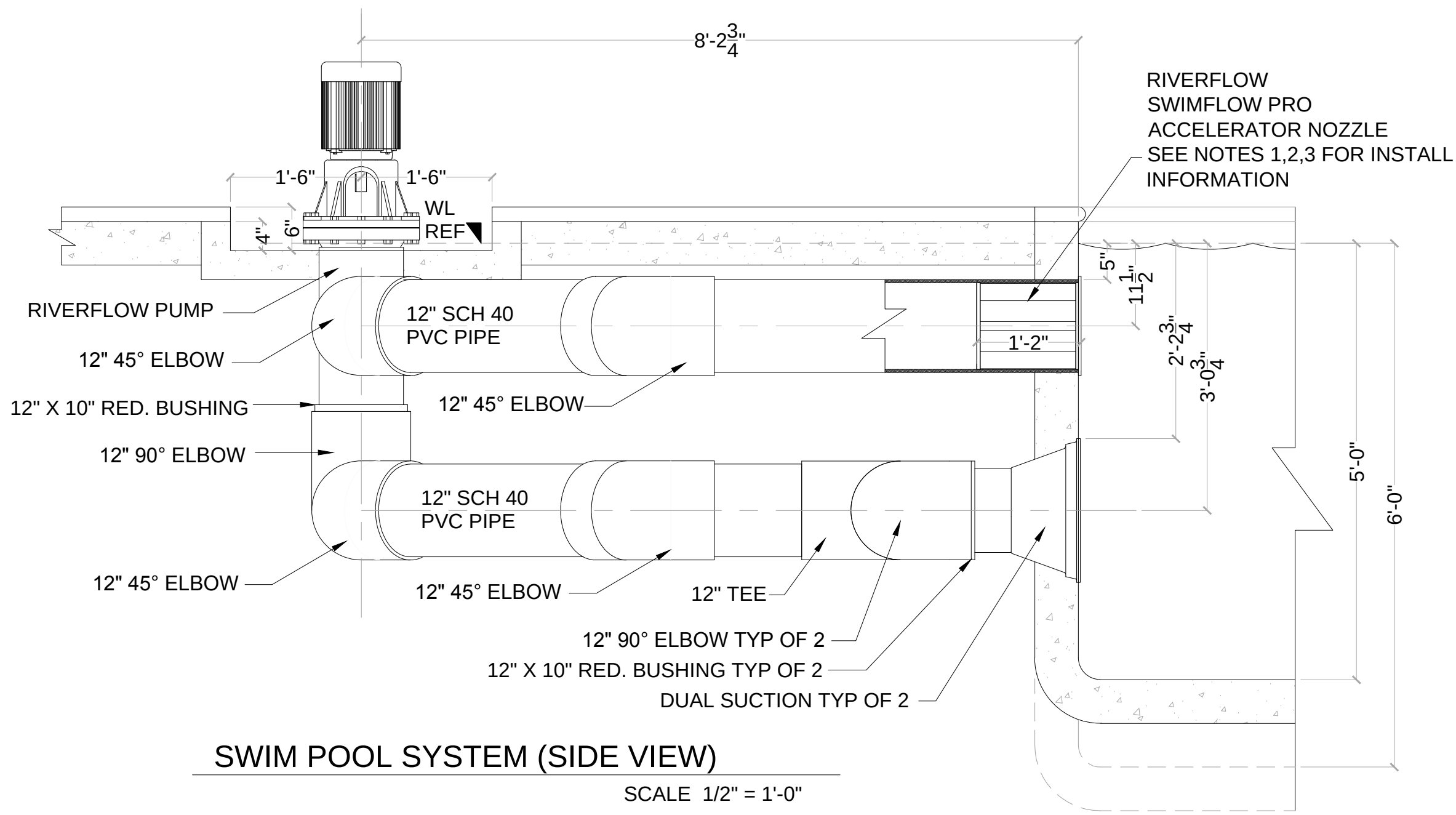
SWIM POOL SYSTEM (TOP VIEW)

SCALE 1/2" = 1'-0"



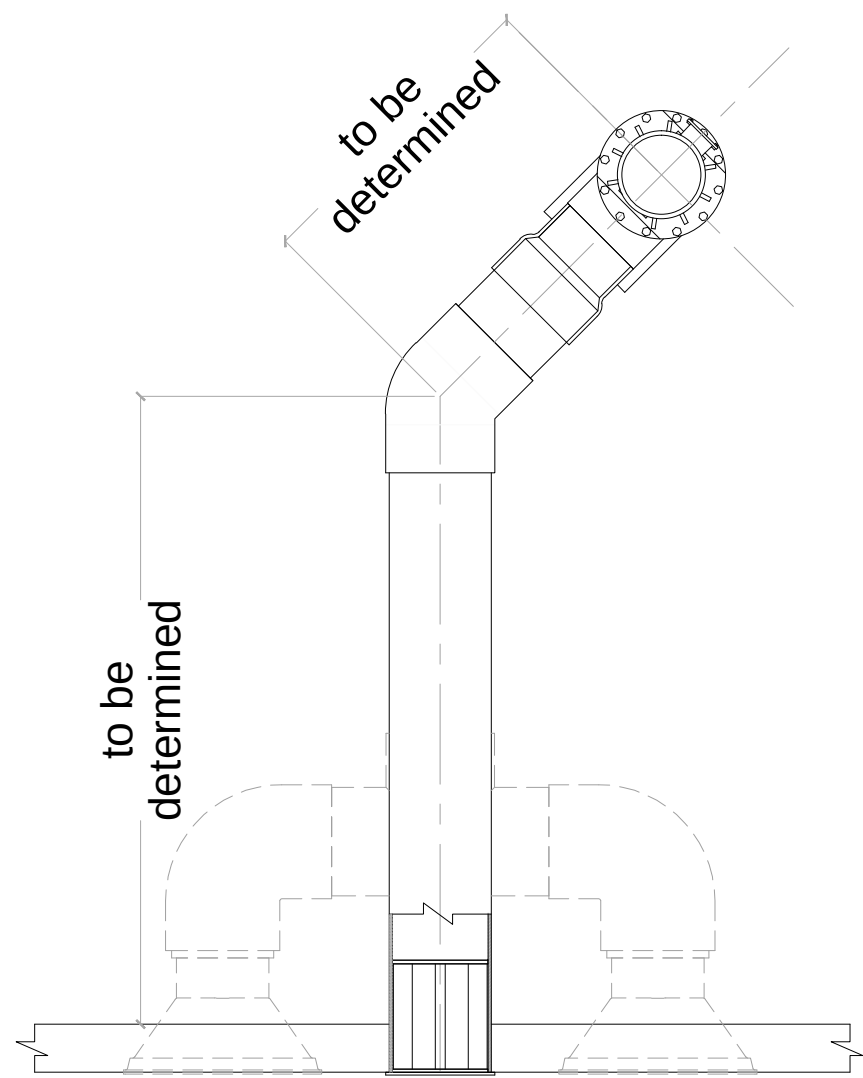
SWIM POOL SYSTEM (FRONT VIEW)

SCALE 1/2" = 1'-0"



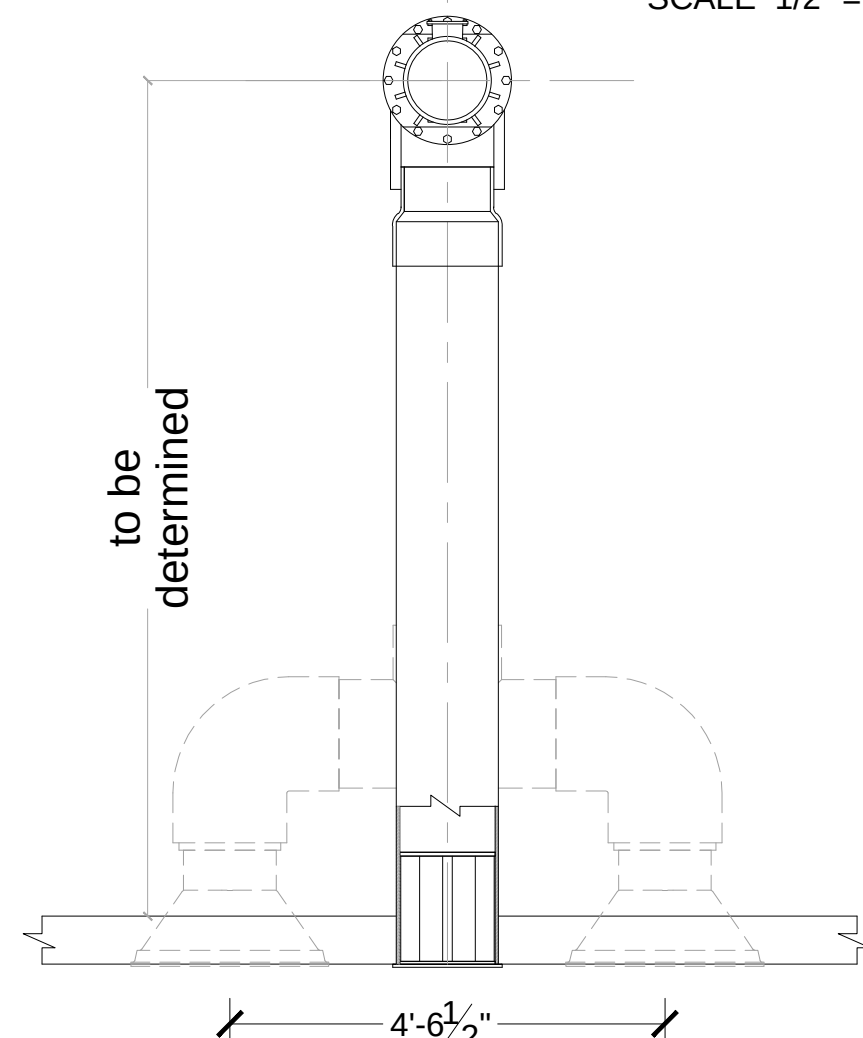
SWIM POOL SYSTEM (SIDE VIEW)

SCALE 1/2" = 1'-0"



45° ANGLE PIPING OPTION

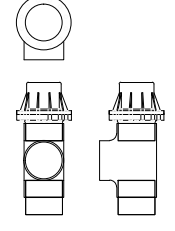
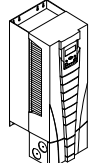
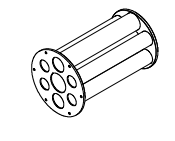
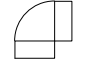
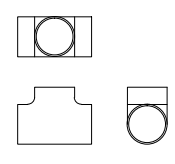
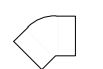
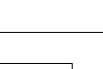
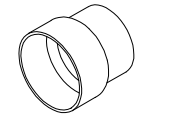
SCALE 1/2" = 1'-0"



STRAIGHT PIPING OPTION

SCALE 1/2" = 1'-0"

PARTS LIST: SWIM IN PLACE SYSTEM

	1 x	PUMP MOTOR
	1 x	RIVERFLOW PUMP
	1 x	VARIABLE SPEED DRIVE
	2 x	DUAL SUCTION BOX
	1 x	SWIMFLOW PRO ACCELERATOR NOZZLE
	3 x	12" 90° ELBOW
	1 x	12" TEE
	4 x	12" 45° ELBOW
	3 x	12" X 10" REDUCING BUSHING
	3 x	10" SCH 40 PVC PIPE NIPPLE 10" LONG
		12" SCH 40 PVC PIPE TO BE DETERMINED AS PER PUMP LOCATION
	1 x	12" X 10" REDUCING COUPLING

BOX
DENOTES
COMPONENTS
INCLUDED IN
RIVERFLOW
SYSTEM

ADDITIONAL
REQUIRED
ITEMS NOT
INCLUDED

RIVERFLOW DATA BLOCK NSF #1245 & #12456	
PUMP TYPE	AXIAL FLOW PROPELLER
SUCTION	FLOODED 12" PVC PIPE
DISCHARGE	12" PVC PIPE
DUAL SUCTION	
GRATES & SUMP	18" X 23" X 10" COUPLING (EACH)
ACCELERATOR	
NOZZLE	14" LONG (1-4" X 2-3" X 4-2")
SYSTEM PRESSURE	NOMINAL 3PSI >
FLOW RATE	ADJUSTABLE 400GPM > 2,450GPM
DRIVE	ELECTRONIC VARIABLE SPEED
POWER	10HP 32 AMPS
INPUT Voltage	208 Volts, 460 Volts Single Phase, Three Phase 50 HZ - 60 HZ applications

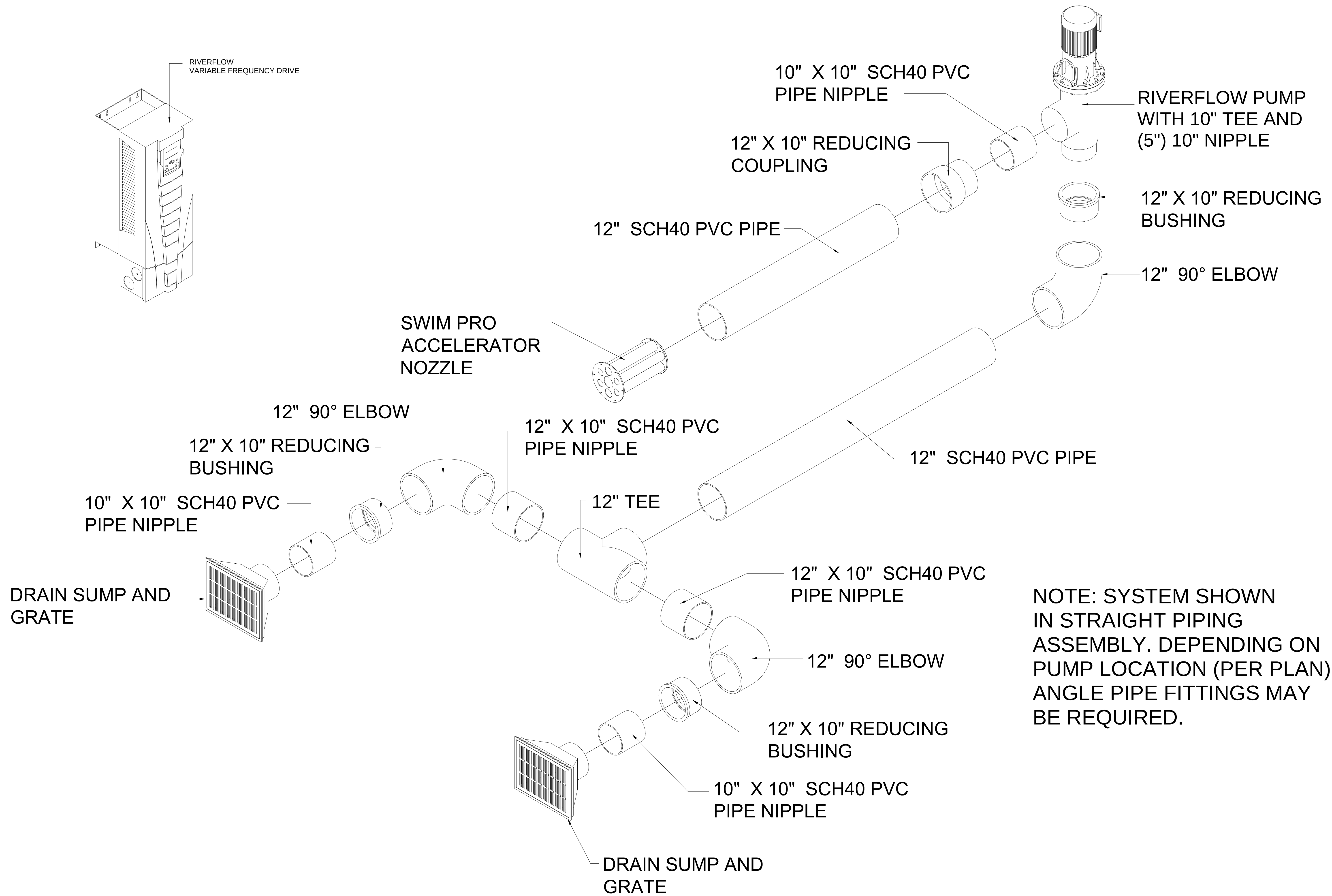
SHEET TITLE:
RIVERFLOW SWIMPOOL
COMPETITION SYSTEM
DUAL SUCTION REFIT
TO EXISTING POOL

PROJECT NAME:
RIVERFLOW
SWIM CURRENT
SYSTEM

888-443-4113 Toll Free
954-889-0311 Direct
954-827-2800 Fax
"Your Moving Water Solution" & Manufacturer of VGB Grates
www.current-systems.com



REVISION DATE(S)
JOB #:
SCALE: AS NOTED
CHECKED BY: L.J.W.
DRAWN BY: MCK
06 / 08 / 17
SHEET NO.: 1 OF 5



NOTE: SYSTEM SHOWN IN STRAIGHT PIPING ASSEMBLY. DEPENDING ON PUMP LOCATION (PER PLAN) ANGLE PIPE FITTINGS MAY BE REQUIRED.

SWIM POOL SYSTEM 12" X 10" SUCTION PORTS (EXPLODED VIEW)

SCALE N.T.S.

SHEET TITLE:
RIVERFLOW SWIMPOOL
COMPETITION SYSTEM
DUAL SUCTION 12 X 10
EXPLODED VIEW

PROJECT NAME:
RIVERFLOW
SWIM CURRENT
SYSTEM

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REVISION DATE(S)

JOB #:

SCALE:

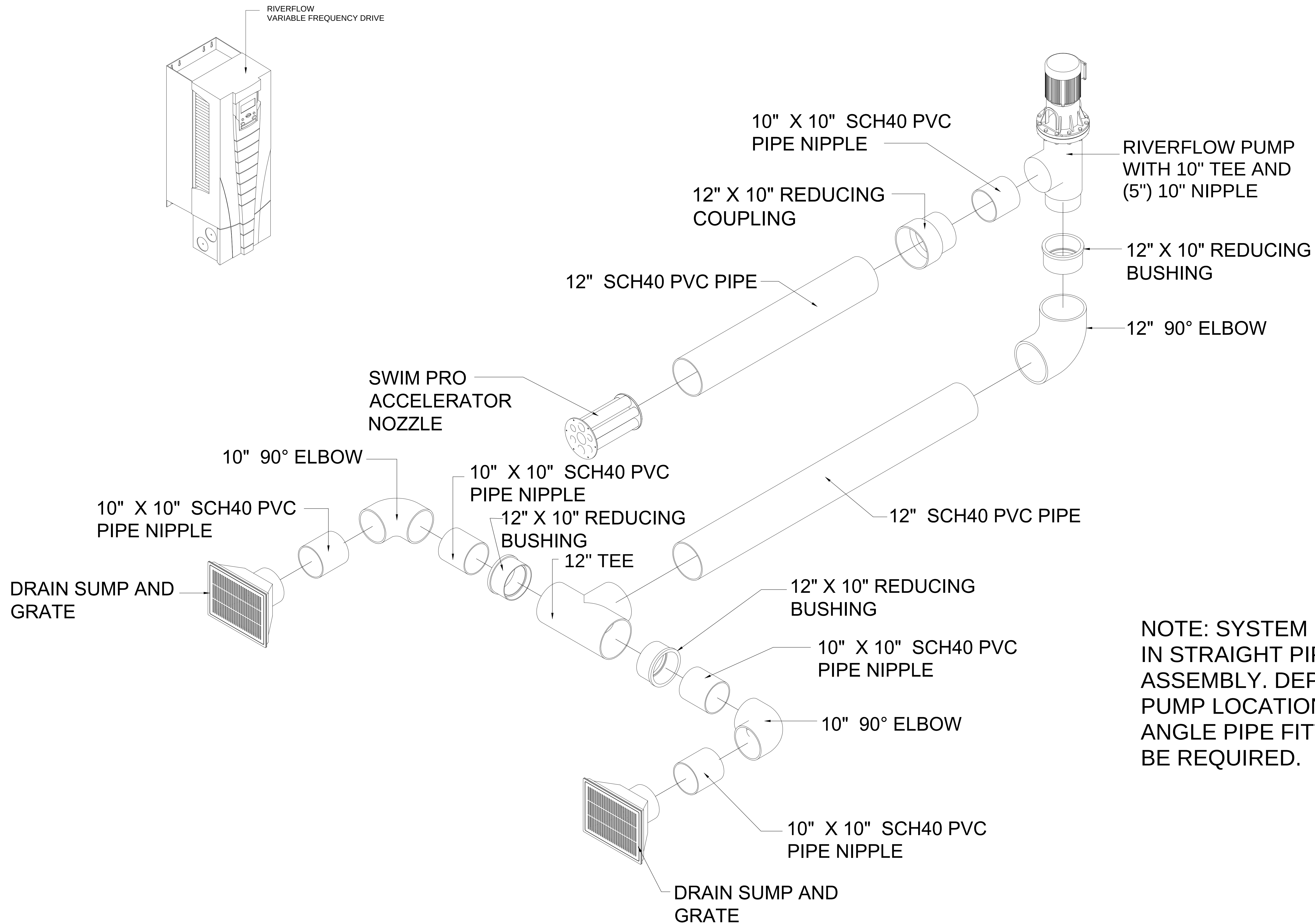
CHECKED BY:

DRAWN BY:

06 / 08 / 17

SHEET NO.:

2 OF 5



NOTE: SYSTEM SHOWN
IN STRAIGHT PIPING
ASSEMBLY. DEPENDING ON
PUMP LOCATION (PER PLAN)
ANGLE PIPE FITTINGS MAY
BE REQUIRED.

SWIM POOL SYSTEM 10" X 10" SUCTION PORTS (EXPLODED VIEW)

SCALE N.T.S.

SHEET TITLE:
RIVERFLOW SWIMPOOL
COMPETITION SYSTEM
DUAL SUCTION 10 X 10
EXPLODED VIEW

PROJECT NAME:
RIVERFLOW
SWIM CURRENT
SYSTEM

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REVISION DATE(S)

REVISIONS

JOB #:

SCALE:

AS NOTED

CHECKED BY:

L.J.W.

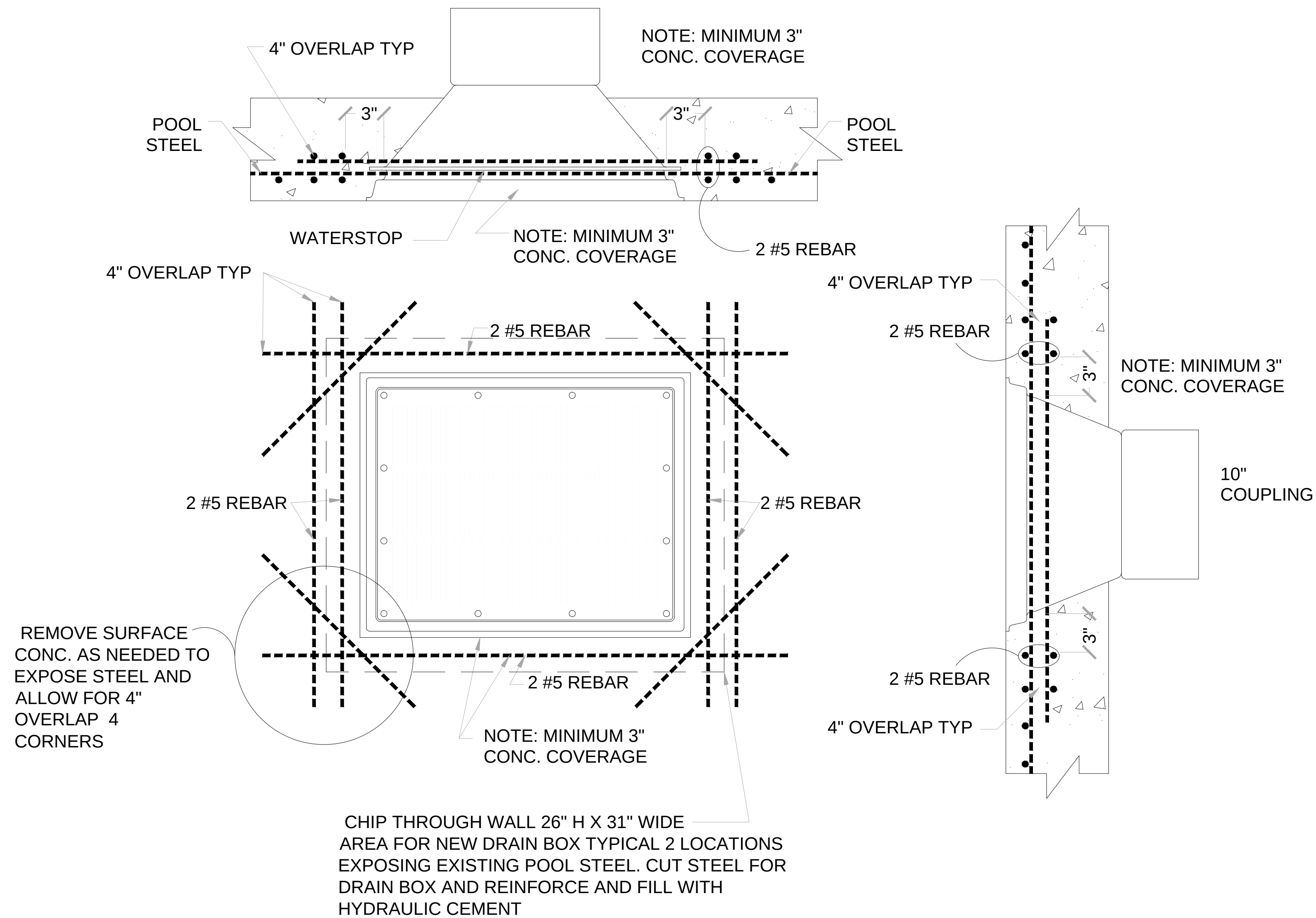
DRAWN BY:

MCK

06 / 08 / 17

SHEET NO.:

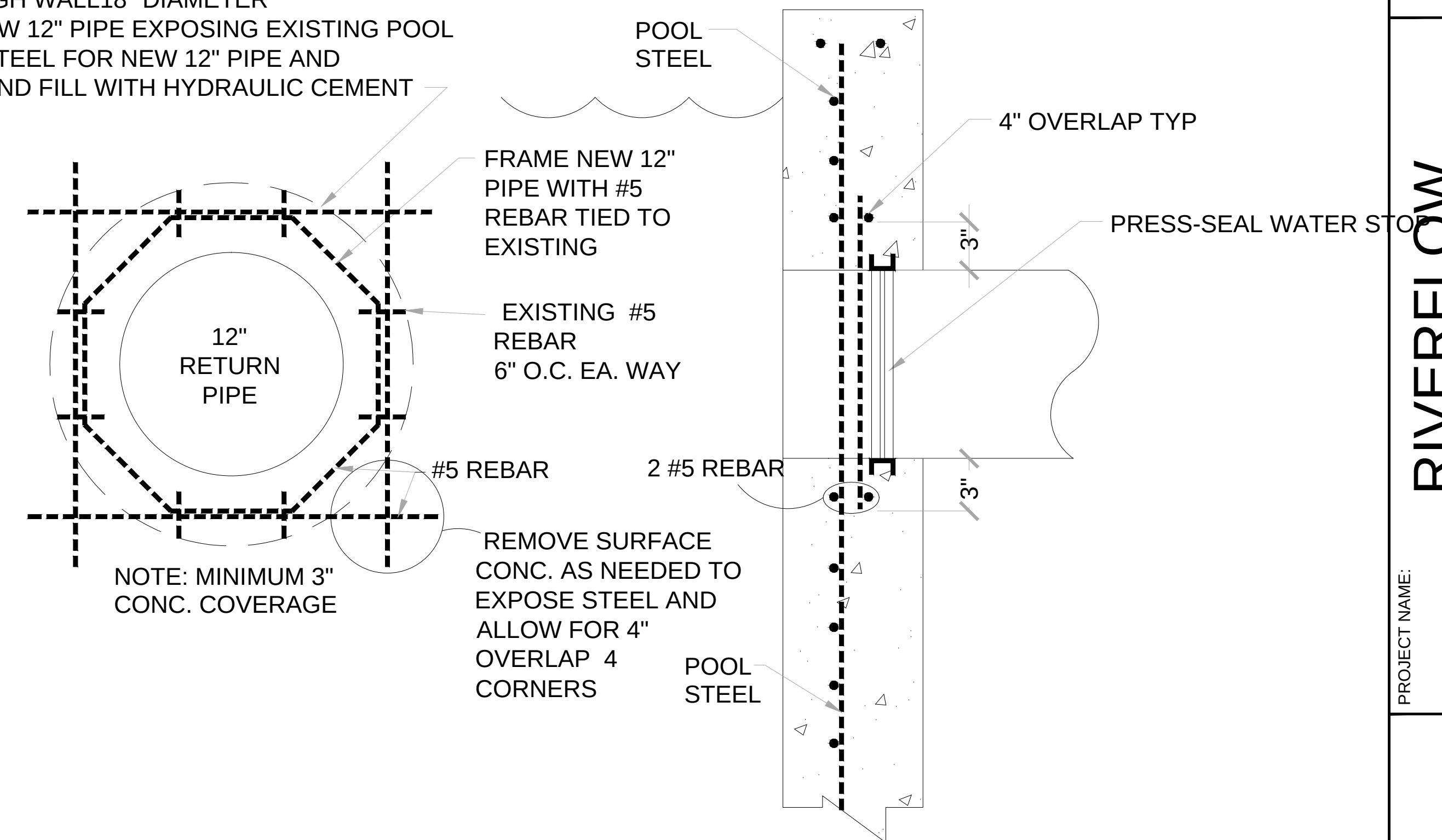
3 OF 5



DRAIN BOX REINFORCING

SCALE N.T.S.

CHIP THROUGH WALL 18" DIAMETER AREA FOR NEW 12" PIPE EXPOSING EXISTING POOL STEEL. CUT STEEL FOR NEW 12" PIPE AND REINFORCE AND FILL WITH HYDRAULIC CEMENT



RETURN PIPE REINFORCING

SCALE N.T.S.

SHEET TITLE:
RIVERFLOW SWIMPOOL
COMPETITION SYSTEM
STRUCTURAL
REINFORCING

PROJECT NAME:
RIVERFLOW
SWIM CURRENT
SYSTEM

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REVISION DATE(S)

REVISION DATE(S)

JOB #:

SCALE:

AS NOTED

CHECKED BY:

L.J.W.

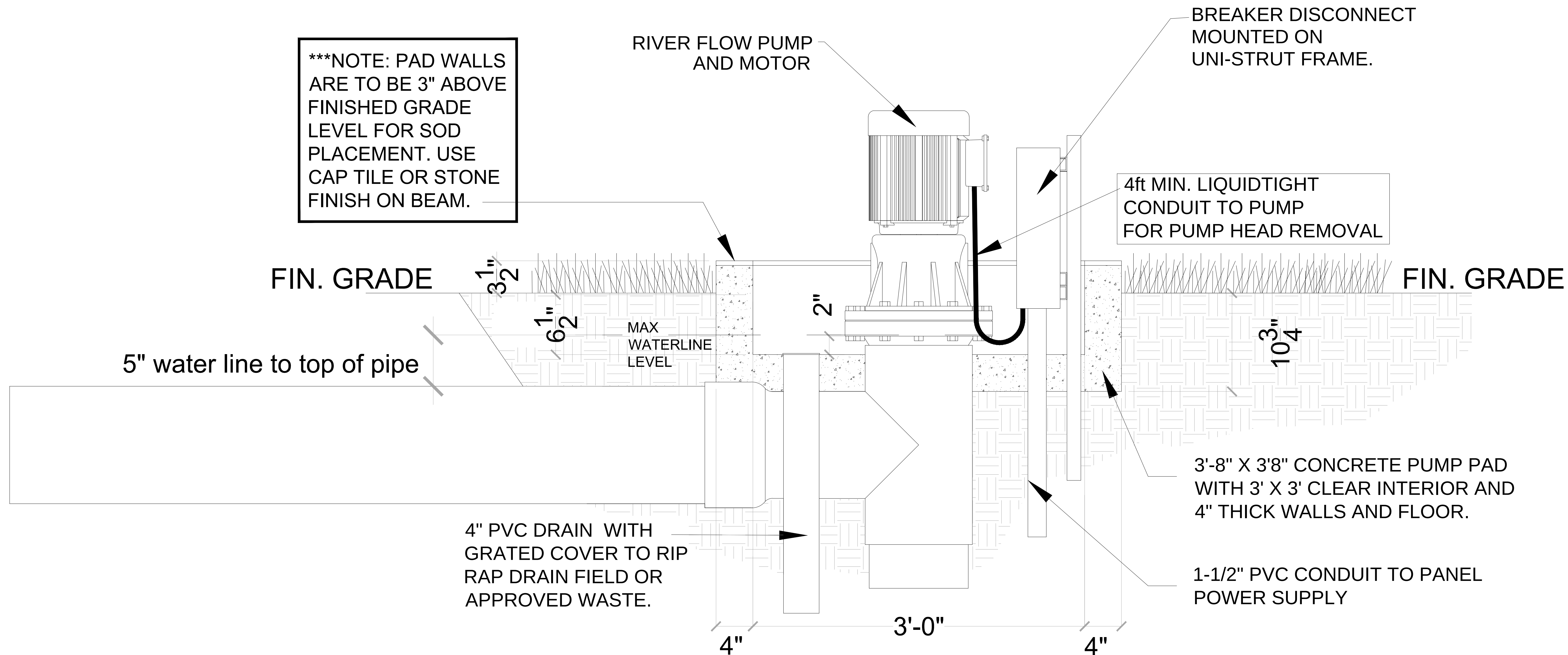
DRAWN BY:

MCK

06 / 08 / 17

SHEET NO.:

4 OF 5



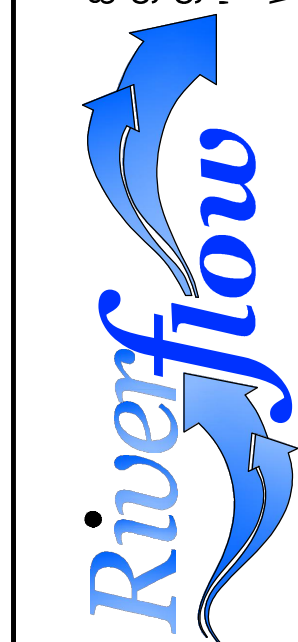
CONC PAD / PUMP (SIDE VIEW)

SCALE 3/4" = 1'-0"

SHEET TITLE:
PUMP MOUNTING
CONC. PAD DETAIL

PROJECT NAME:
RIVERFLOW
SWIM CURRENT
SYSTEM

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REVISION DATE(S)
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JOB #:
SCALE: AS NOTED
CHECKED BY: L.J.W.
DRAWN BY: MCK
06 / 08 / 17
SHEET NO.:
5 OF 5

Excavation



Demo Return & Suctions



Pump Installation



