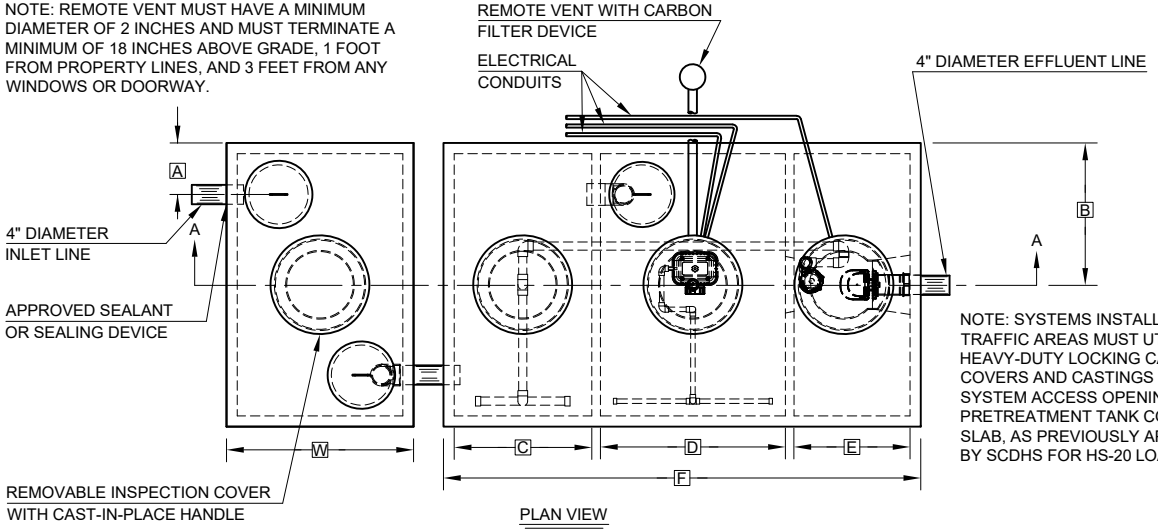
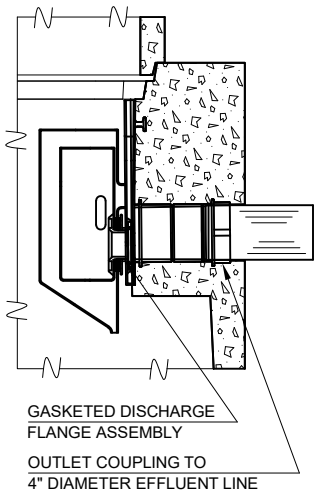
NOTE: REMOTE VENT MUST HAVE A MINIMUM DIAMETER OF 2 INCHES AND MUST TERMINATE A MINIMUM OF 18 INCHES ABOVE GRADE, 1 FOOT FROM PROPERTY LINES, AND 3 FEET FROM ANY WINDOWS OR DOORWAY.



PLAN VIEW

NOTE: SYSTEMS INSTALLED IN TRAFFIC AREAS MUST UTILIZE HEAVY-DUTY LOCKING CAST IRON COVERS AND CASTINGS FOR ALL SYSTEM ACCESS OPENINGS AND PRETREATMENT TANK COVER SLAB, AS PREVIOUSLY APPROVED BY SCDHS FOR HS-20 LOADING.



FLOW EQUALIZATION DEVICE DETAIL

GENERAL NOTES:

① FALL THROUGH THE HYDRO-KINETIC® PLANT FROM INLET INVERT TO OUTLET INVERT IS FOUR INCHES. INLET INVERT IS TWELVE INCHES BELOW TANK TOP.

② ON DEEPER INSTALLATIONS, RISERS MUST BE USED TO EXTEND CASTINGS TO GRADE.

③ TANK REINFORCED PER ACI STD. 318.

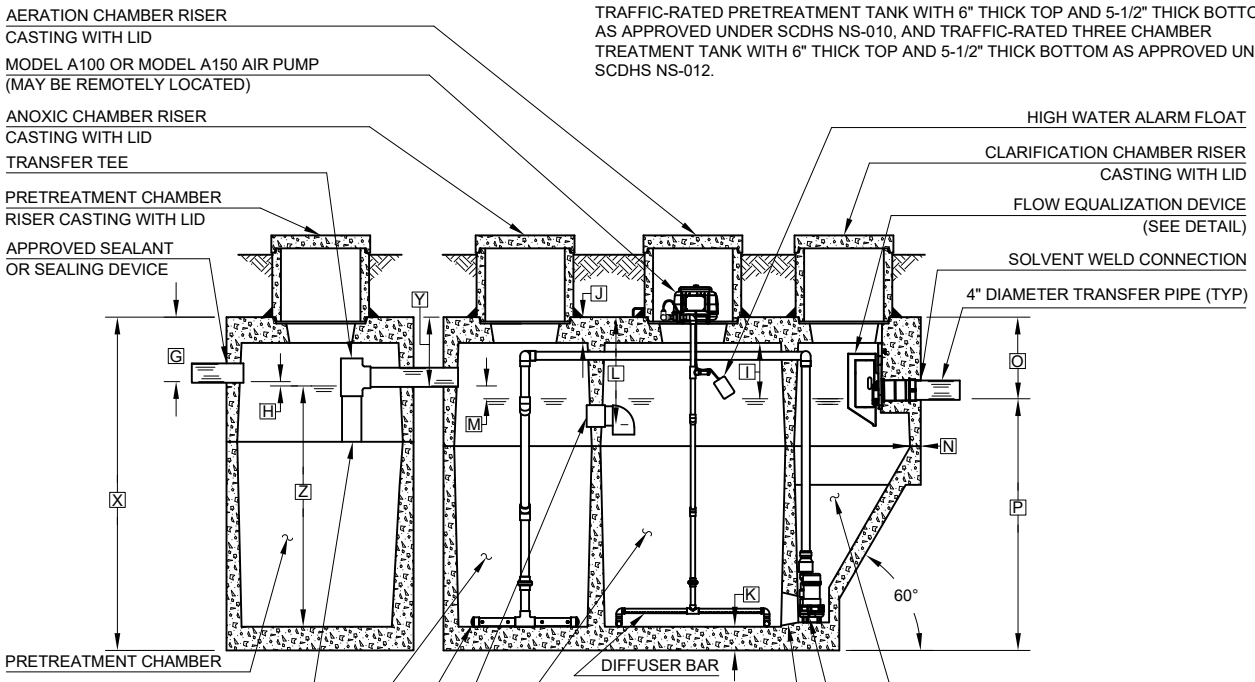
④ ALL ACCESS COVERS WEIGH IN EXCESS OF SEVENTY-FIVE POUNDS EACH TO PREVENT UNAUTHORIZED ACCESS.

⑤ CONTACT THE LOCAL, LICENSED HYDRO-KINETIC® DISTRIBUTOR FOR ELECTRICAL REQUIREMENTS.

⑥ COLLECT EFFLUENT SAMPLES FROM FLOW EQUALIZATION DEVICE INSTALLED IN CLARIFIER.

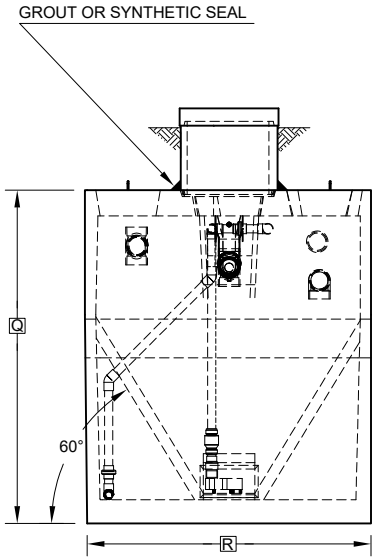
⑦ PRETREATMENT CHAMBER MAY BE INCLUDED AS AN INTEGRAL COMPONENT OF THE TREATMENT TANK.

NOTE: SYSTEMS INSTALLED IN TRAFFIC AREAS MUST UTILIZE 500 GALLON TRAFFIC-RATED PRETREATMENT TANK WITH 6" THICK TOP AND 5-1/2" THICK BOTTOM AS APPROVED UNDER SCDHS NS-010, AND TRAFFIC-RATED THREE CHAMBER TREATMENT TANK WITH 6" THICK TOP AND 5-1/2" THICK BOTTOM AS APPROVED UNDER SCDHS NS-012.



SECTION A-A

NOTE: PRETREATMENT CHAMBER MINIMUM REQUIREMENTS SHALL BE: 500 GALLONS CAPACITY, 7.5 GALLONS PER INCH OF LIQUID LEVEL AND 9 INCHES OF FREEBOARD.



OUTLET END VIEW

NOTE: SYSTEMS CERTIFIED BY NSF TO NSF/ANSI STANDARD 40 MUST INCLUDE MODEL A100 AIR PUMP.

NOTE: TOTAL SYSTEM CAPACITY: 1,950 GALLONS RATED CAPACITY: 750/800 GALLONS PER DAY

PROJECT ENGINEER'S APPROVAL:
I (WE) HEREBY CERTIFY THAT THIS DRAWING HAS BEEN CHECKED AND IS APPROVED FOR USE IN CONFORMITY WITH THE CONTRACT DOCUMENTS.

DATE:_____

NAME:_____

CONTRACTOR'S CERTIFICATION:
I (WE) HEREBY CERTIFY THAT THIS DRAWING HAS BEEN CHECKED AND IS APPROVED FOR USE IN CONFORMITY WITH THE CONTRACT DOCUMENTS.

DATE:_____

NAME:_____

CRITICAL DIMENSIONS

A	1'- 0"	N	0'- 2 1/2"
B	2'- 9"	O	1'- 7"
C	2'- 8"	P	5'- 10 1/2"
D	3'- 7"	Q	6'- 5 1/2"
E	2'- 3"	R	5'- 6"
F	9'- 3"	S	
G	1'- 3"	T	
H	0'- 1"	U	
I	1'- 1"	V	
J	0'- 6"	W	
K	0'- 5 1/2"	X	6'- 5 1/2"
L	2'- 1"	Y	1'- 4"
M	0'- 3"	Z	

U.S. AND FOREIGN PATENTS PENDING

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norweco

HYDRO-KINETIC® MODEL 800 WASTEWATER TREATMENT SYSTEM WITHOUT BIO-FILM REACTOR H-20 DESIGN LOAD

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REVISION DATE	REVISION
DRAWN BY	CLB
APPROVED BY	JMM
DATE	04-29-2026
SCALE	NTS
DRAWING NO.	PC-2-0281