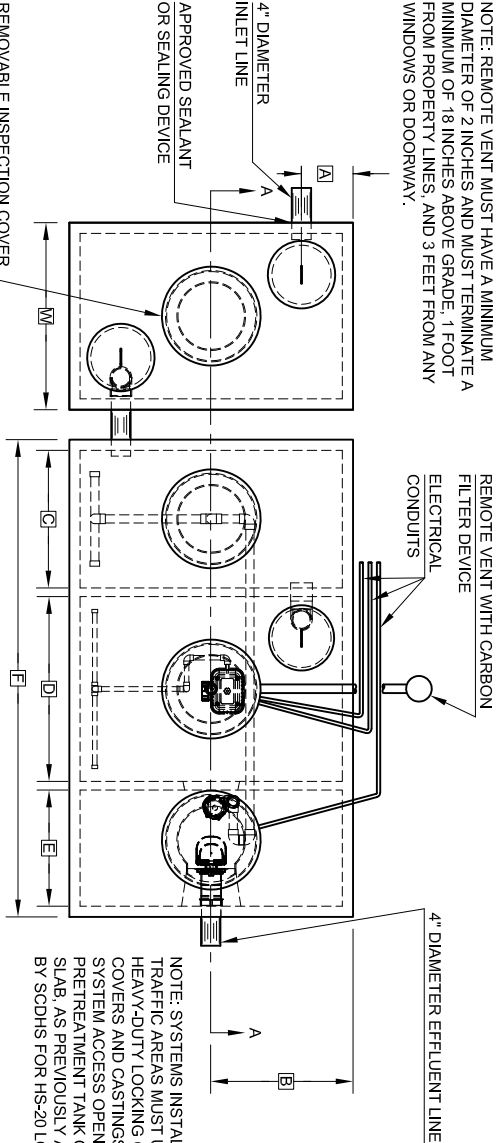


NOTE: REMOTE VENT MUST HAVE A MINIMUM DIAMETER OF 2 INCHES AND MUST TERMINATE A MINIMUM OF 18 INCHES ABOVE GRADE, 1 FOOT FROM PROPERTY LINES, AND 3 FEET FROM ANY WINDOWS OR DOORWAY.



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.

REMOVABLE INSPECTION COVER WITH CAST-IN-PLACE HANDLE

PLAN VIEW

AERATION CHAMBER RISER CASTING WITH LID
MODEL A100 OR MODEL A150 AIR PUMP (MAY BE REMOTELY LOCATED)
ANOXIC CHAMBER RISER CASTING WITH LID
TRANSFER TEE
PRETREATMENT CHAMBER RISER CASTING WITH LID
APPROVED SEALANT OR SEALING DEVICE
HIGH WATER ALARM FLOAT
CLARIFICATION CHAMBER RISER CASTING WITH LID
FLOW EQUALIZATION DEVICE (SEE DETAIL)
SOLVENT WELD CONNECTION
4" DIAMETER TRANSFER PIPE (TYP)
GROUT OR SYNTHETIC SEAL

FLOW EQUALIZATION DEVICE DETAIL

- GENERAL NOTES:
- FALL THROUGH THE HYDRO-KINETIC® PLANT FROM INLET INVERT TO OUTLET INVERT IS FOUR INCHES. INLET INVERT IS TWELVE INCHES BELOW TANK TOP.
 - ON DEEPER INSTALLATIONS, RISERS MUST BE USED TO EXTEND CASTINGS TO GRADE.
 - TANK REINFORCED PER ACI STD. 318.
 - ALL ACCESS COVERS WEIGH IN EXCESS OF SEVENTY-FIVE POUNDS EACH TO PREVENT UNAUTHORIZED ACCESS.
 - CONTACT THE LOCAL, LICENSED HYDRO-KINETIC® DISTRIBUTOR FOR ELECTRICAL REQUIREMENTS.
 - COLLECT EFFLUENT SAMPLES FROM FLOW EQUALIZATION DEVICE INSTALLED IN CLARIFIER.
 - PRETREATMENT CHAMBER MAY BE INCLUDED AS AN INTEGRAL COMPONENT OF THE TREATMENT TANK.

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: _____

NAME: _____

CRITICAL DIMENSIONS

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

norweco

U.S. AND FOREIGN PATENTS PENDING
HYDRO-KINETIC®
MODEL 800 WASTEWATER TREATMENT SYSTEM
80° TANK INCLINATION

DATE: 11-12-2021
BY: JMM
CHECKED: NTS
PC-2-0281-1NY

SECTION A-A
SUBMERGED TRANSFER PORT
NOTE: PRETREATMENT CHAMBER MINIMUM REQUIREMENTS SHALL BE: 500 GALLONS CAPACITY, 7.5 GALLONS PER INCH OF LIQUID LEVEL AND 9 INCHES OF FREEBOARD.

CLARIFICATION CHAMBER
MODEL SD103 RECIRCULATION PUMP
CAST-IN AERATION CHAMBER TRANSFER PORT

NOTE: SYSTEMS CERTIFIED BY NSF/ANSI STANDARD 40 MUST INCLUDE MODEL A100 AIR PUMP.
NOTE: TOTAL SYSTEM CAPACITY: 1,950 GALLONS RATED CAPACITY: 750/800 GALLONS PER DAY