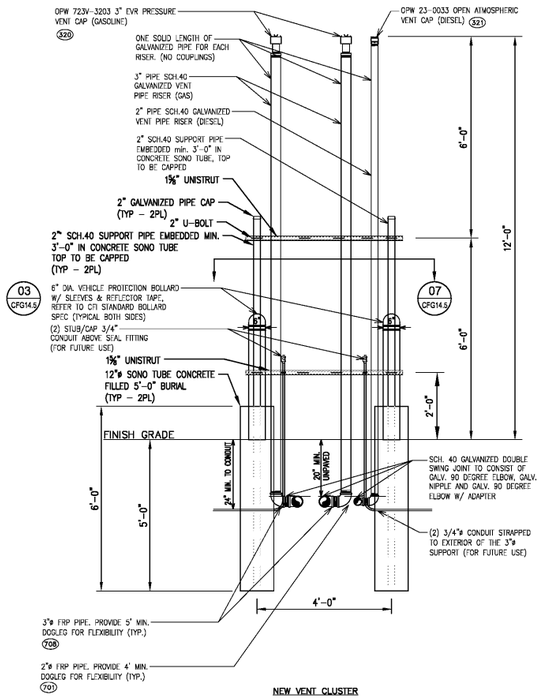


NEW VENT CLUSTER

1) ALL SCH. 40 GALVANIZED STEEL PIPE IN CONTACT WITH BACKFILL SHALL BE COATED WITH 1/8" FIBERGLASS COATING OR 1/8" EPOXY RESIN BELOW FINISHED GRADE.
2) ALL PIPE, SUPPORTS, AND HARDWARE TO BE GALVANIZED.
3) DO NOT COAT GALVANIZED STEEL PIPE ABOVE FINISHED GRADE.

01 CFG14.5 VENT CLUSTER ELEVATION DETAIL

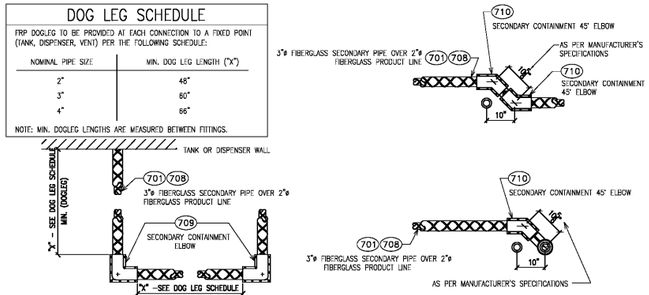
SCALE: 1/2" = 1'-0"

DOG LEG SCHEDULE

FRP DOGLEG TO BE PROVIDED AT EACH CONNECTION TO A FIXED POINT (TANK, DISPENSER, VENT) PER THE FOLLOWING SCHEDULE:

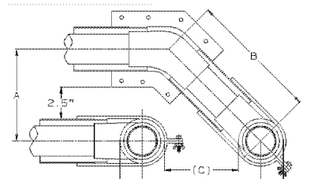
NOMINAL PIPE SIZE	MIN. DOG LEG LENGTH ("X")
2"	48"
3"	60"
4"	66"

NOTE: MIN. DOGLEG LENGTHS ARE MEASURED BETWEEN FITTINGS.

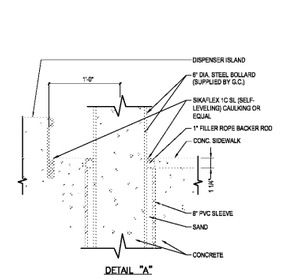


02 CFG14.5 TYPICAL PIPING DOGLEG AND CROSSOVER DETAILS

SCALE: N.T.S.

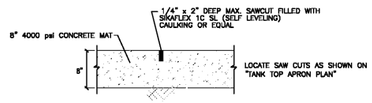


Containment Pipe Size	A		B		C		D		E	
NOTE: The 2.5" dimension must be observed in the field in										
	in	mm	in	mm	in	mm	in	mm	in	mm
3	80	7.5	191	10.6	269	6.5	165	10.0	254	14.5	368
4	100	8.5	216	12.0	305	7.5	191	12.0	305	16.5	419
6	150	10.65	271	15.0	381	8.0	203	14.75	375	22.0	559



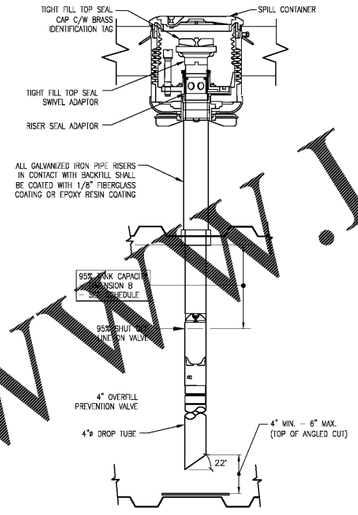
03 CFG14.5 TYPICAL BOLLARD DETAIL

SCALE: N.T.S.



08 CFG14.5 TYPICAL SAWCUT DETAIL

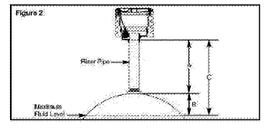
SCALE: N.T.S.



OVERFILL PREVENTION VALVE SCHEDULE

TANK	ACTUAL VOLUME (GAL.)	95% (ACTUAL VOLUME) (GAL.)	DIM. A	DIM. B*	DIM. C
DOUBLE WALL FRP TANK COMPARTMENT 18,000 GAL.- REGULAR (R1) (BASE TANK)	18,202	.95 (18,202) = 17,291	FIELD VERIFIED	12 1/4"	TBD
DOUBLE WALL FRP TANK COMPARTMENT 12,000 GAL.- REGULAR (R2) (BASE TANK)	12,000	.95 (11,904) = 11,308	FIELD VERIFIED	12 ONE/2"	TBD
DOUBLE WALL FRP TANK COMPARTMENT 6,000 GAL REGULAR (R3), PREMIUM & DIESEL (FRO TANK)	6,321	.95 (6,321) = 6,004	FIELD VERIFIED	11 ONE/2"	TBD

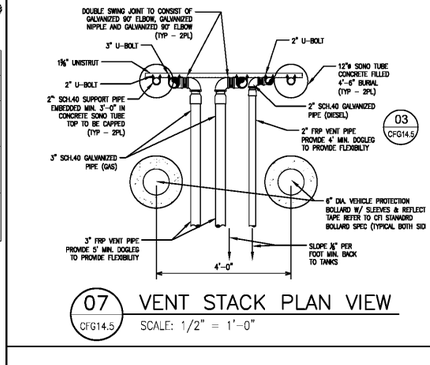
NOTE: GC IS RESPONSIBLE FOR FIELD VERIFYING ALL DIMENSIONS AND ENSURING THE OVERFILL PREVENTION VALVE IS INSTALLED PER ALL STATE AND MANUFACTURER'S REQUIREMENTS.
* BELOW THE TANK TOP (I.D.).
DIM. B CORRESPONDS TO 95% ACTUAL TANK VOLUME (FROM TANK CALIBRATION CHART)
DIM. C = A + B (TO DETERMINE THE TOP TUBE CUT LENGTH)



RISER PIPE WITH SPILL CONTAINMENT MANWAY

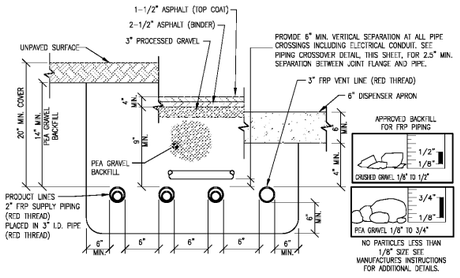
06 CFG14.5 OVERFILL PREVENTION VALVE

SCALE: N.T.S.



07 CFG14.5 VENT STACK PLAN VIEW

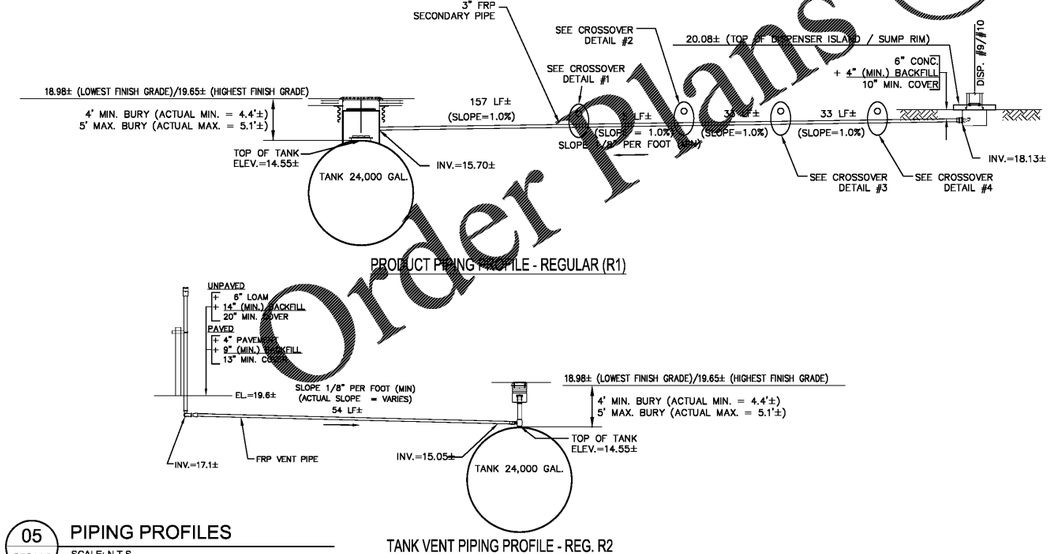
SCALE: 1/2" = 1'-0"



(NOTE: DETAIL INDICATES MINIMUM MANUFACTURER REQUIRED STANDARDS. PLEASE CONSULT WITH CUMBERLAND FARMS FOR SITE SPECIFIC REQUIREMENTS.)

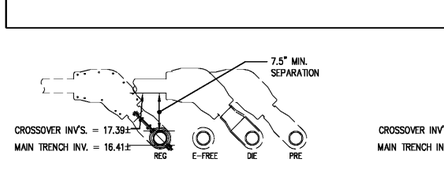
09 CFG14.5 TYPICAL TRENCH DETAILS

SCALE: N.T.S.

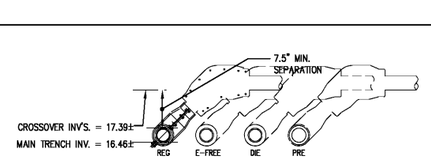


05 CFG14.5 PIPING PROFILES

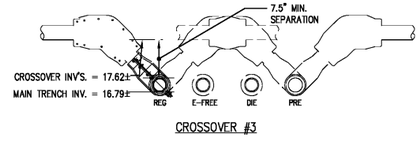
SCALE: N.T.S.



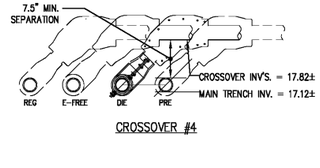
CROSSOVER #1



CROSSOVER #2



CROSSOVER #3



CROSSOVER #4

Order Plans @ www.Lonline.com

stillwater TECHNOLOGIES
203 Hillcrest Street
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(407) 206-7223 fax
FL. Cert. of Auth. #8326

STILLWATER PROJECT #547-020

FREDERICK A. BLECHA LICENSE No. 50701 STATE OF FLORIDA PROFESSIONAL ENGINEER

REVISIONS			
NO.	DATE	REV. BY.	DESCRIPTION
1	09/12/18	MHF	UPDATE GUIDELINES
2	10/19/18	FAB	CLIENT REVIEW
3	12/05/18	FAB	REV. PER CLIENT REVIEW
4	07/25/19	FAB	REV. PER LATEST CIVIL
5	10/09/19	FAB	REV. PER LATEST CIVIL

V# n/a
Store# n/a
Gas Station# n/a

MICCO ROAD & US HWY 1
BREVARD COUNTY, FLORIDA

NEW/REMOVE - DOUBLE WALL FIBERGLASS TANK INSTALLATION FOR:
ONE (1) 24,000 (18/6 SPLIT)/ONE (1) 24,000 (6/12/6 SPLIT) GAL. TANKS

Cumberland FARMS

CUMBERLAND FARMS, INC.
100 Crossing Boulevard
Framingham, MA 01702

SCALE: AS NOTED
DATE: September 12, 2018
FILE: CFG (22)24K_CFG14.5 XCR
DRAWN BY: DSA

SUMP & PIPING DETAILS — CFG14.5