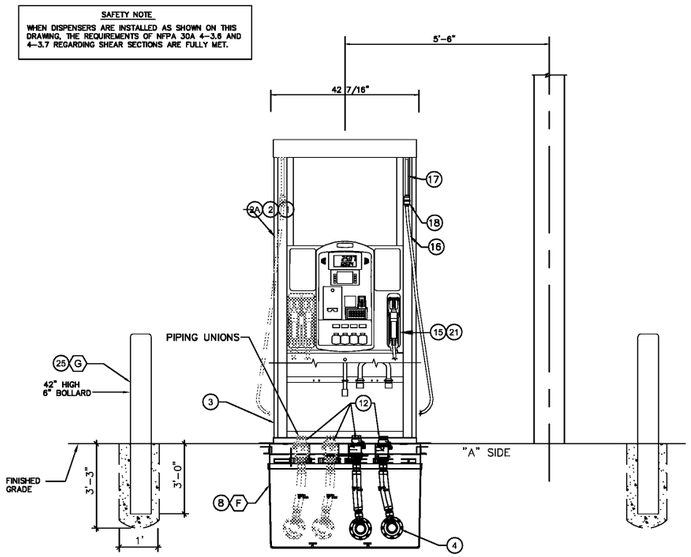
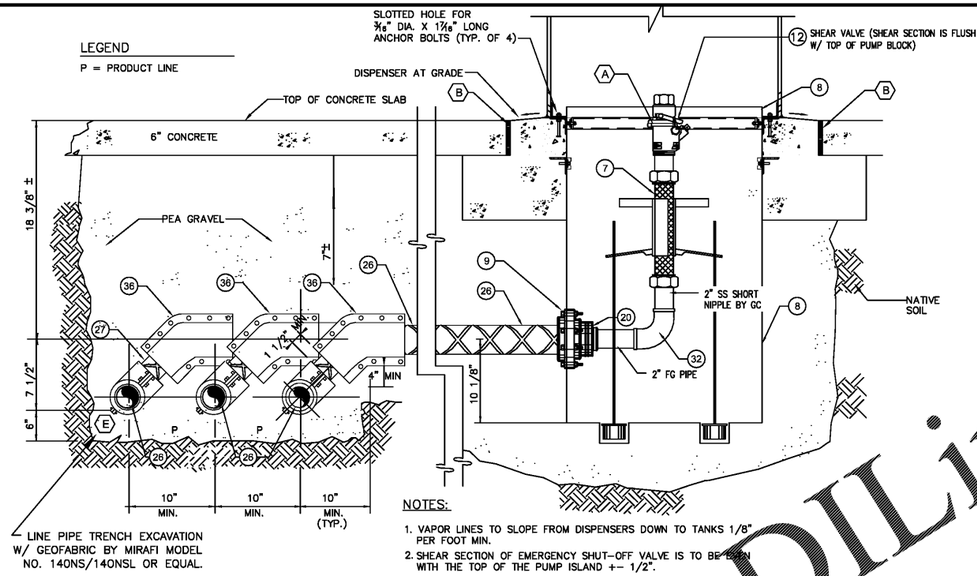
SAFETY NOTE

WHEN DISPENSERS ARE INSTALLED AS SHOWN ON THIS DRAWING, THE REQUIREMENTS OF NFPA 30A 4-3.6 AND 4-3.7 REGARDING SHEAR SECTIONS ARE FULLY MET.



N.T.S.

1 / TA-5 GILBARCO, ENCORE 500/700 MULTI-PRODUCT, NOZZLED DISPENSER W/CONTAINMENT BOX

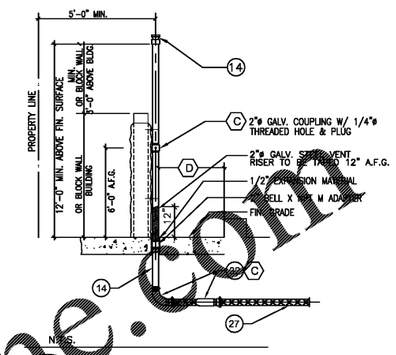


NOTES:

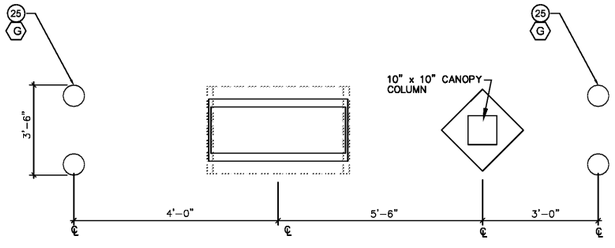
1. VAPOR LINES TO SLOPE FROM DISPENSERS DOWN TO TANKS 1/8" PER FOOT MIN.
2. SHEAR SECTION OF EMERGENCY SHUT-OFF VALVE IS TO BE FLUSH WITH THE TOP OF THE PUMP ISLAND +- 1/2".

N.T.S.

2 / TA-5 BRAVO DEEP DISPENSER BOX AND PIPING TRENCH SECTION

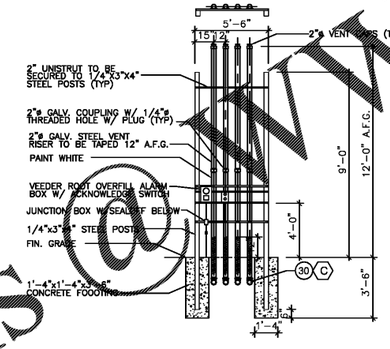


TA-5 VENT RISER DETAIL - SIDE VIEW



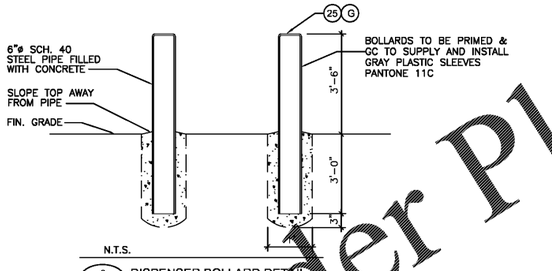
N.T.S.

5 / TA-5 STANDARD @ GRADE DISPENSER



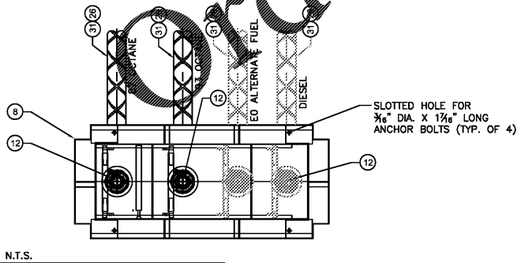
N.T.S.

7 / TA-5 FREE STANDING VENT RISER



N.T.S.

6 / TA-5 DISPENSER BOLLARD DETAIL



N.T.S.

4 / TA-5 DISPENSER CONTAINMENT BOX AND PIPING TRENCH PLAN VIEW

NOTES

(A) THE SHEAR PLANE OF THE IMPACT VALVE IS TO BE MOUNTED NO MORE THAN +/- 1/2" FROM THE TOP GRADE OF THE ISLAND.

(B) ASPHALTIC EXPANSION MATERIAL SHALL BE KERFED AT 1/2" INTERVALS IN AREAS OF BENDS. THIS FORMED MATERIAL SHALL BE SECURELY FASTENED TO THE ISLAND AT FINISHED GRADE PRIOR TO CONSTRUCTION OF ADJACENT FLATWORK. ADJACENT FLAT CONCRETE SHALLOW SHALL BE EDGED ALONG THE EXPANSION MATERIAL USING 1/4" RADIUS EDGING TOOL.

(C) APPLY APPROVED THREAD SEALANT TO ALL RISERS AND THREADED FITTINGS.

(D) VENT LINE SHOULD STAND NO LESS THAN 4' FROM OUTSIDE EDGE OF CURB.

(E) PIPING SHALL BE LAID AND CONTINUOUSLY SUPPORTED ON A 6" COMPACTED BEDDING OF PEA GRAVEL. NO PIPING SHALL BE SUPPORTED BY BLOCKS, PLANKS, OR OTHER DEBRIS. MAINTAIN 7" MINIMUM COVER BETWEEN SLAB BOTTOM AND TOP OF FRP PIPE/FITTINGS.

(F) DEEP METAL PAN WITH METAL NON-ADA FRAME. INCLUDES PRE-MOUNTED PRODUCT AND VAPOR SHEAR VALVES WITH ALL PENETRATION FITTINGS INCLUDED BUT NOT INSTALLED. NO FLEX CONNECTORS OR VAPOR PIPE ASSEMBLY PROVIDED.

(G) BOLLARDS TO BE PRIMED AND CONTACTOR TO FURNISH & INSTALL GRAY VINYL SLEEVES COLOR: PANTONE 11C

(H) PRODUCT LINES SHALL SLOPE CONTINUOUSLY UPWARD FROM STP SUMP A MINIMUM OF 1/8" PER FOOT.

(I) ITEMS (6) (7) (9) (10) & (11) ARE INCLUDED IN THE BRAVO PAN KIT. ENTRY FITTINGS IN DISPENSER PAN SHALL BE INSTALLED BY CONTRACTOR.

(J) STP AND DISPENSER RISERS SHALL BE STAINLESS STEEL

NOTE: ALL EQUIPMENT TO BE INSTALLED BY CONTRACTOR

NO.	EQUIPMENT DESCRIPTION	MANUFACTURER	MODEL	QTY	FDEP EQ #	SUPPLIED BY	NOTES
(1)	FOUR PRODUCT MPD	GILBARCO	CIRCLE K BRANDED 500/700 S 3+1	7		OWNER	ENCORE BLEND (3+1) W. VAPOR VAC
(2)	THREE PRODUCT MPD	GILBARCO	CIRCLE K BRANDED 500/700 S 3+0	0		OWNER	ENCORE BLEND (3+0) W. VAPOR VAC
(2A)	FIVE PRODUCT MPD	GILBARCO	CIRCLE K BRANDED 500/700 S 3+1+1	2		OWNER	ENCORE BLEND (3+1+1) W. VAPOR VAC
(3)	VAPOR VAC (IF REQUIRED)	GILBARCO	FOR ADVANTAGE			OWNER	
(4)	–	BRAVO	–			OWNER	
(5)	BRAVO / GILBARCO ENCORE 1 PRODUCT B7000	BRAVO	B7381-EO-SPLIT-F1L-CK		EQ727	OWNER	
(6)	1 1/2"x12" MxM SWIVEL FLEX CONNECTOR (VAPOR)	HOSEMASTER	FSMS-120150			OWNER	SEE NOTE "I"
(7)	1 1/2"x12" FxM SWIVEL FLEX CONNECTOR (PRODUCT)	HOSEMASTER	FSMS-120120				SEE NOTE "I"
(8)	BRAVO / GILBARCO ENCORE NL1 3+1 B7000	BRAVO	B7383-EO-SPLIT-F3L-CK		EQ727	OWNER	SEE NOTES "F" & "I"
(9)	2" FIBERGLASS RIGID FLANGED ENTRY BOOT (FOR DISPENSER SUMP)	BRAVO	F20-FF-LCX			OWNER	SEE NOTE "I"
(10)	1" FLEXIBLE ENTRY BOOTS (POWER HOME RUN, DISPENSER DATA LOOPED)	BRAVO	F-10-FF			OWNER	SEE NOTE "I"
(11)	3/4" PASS THROUGH FIBERGLASS FLANGE	BRAVO	F-07-FF			OWNER	SEE NOTE "I"
(12)	1-1/2" MALE, EMERGENCY VALVE W/ DOUBLE POPPET (COMBO BODY)	OPW	10BHMP-5830			OWNER	
(13)	2" LCX 35 PSI RUBBER CLOSURE W/TEST BOOT	AMERON	22482736			OWNER	
(14)	VENT DOWNWARD, ALUMINUM, 1.5" & 2" FEMALE, NPT	EMCO	A0785-001			OWNER	DIESEL VENT CAP
	VENT P-V, ALUMINUM, 2" PRES 3" VAC, 2" NPT	EMCO	A0084-200			OWNER	GASOLINE VENT CAP
(15)	NOZZLE-BLACK, VAPOR RECOVERY BELLOWLESS ASSIST SYSTEM (SPEC TYPE) NOZZLE (NON STAGE II ALT.)	OPW OPW	OP12VW 11BP-0400			OWNER	
(16)	3/4" HOSES- 8'-6" FLEXSTEEL VAPOR ASSIST HOSE	GOODYEAR	GY8'6"VAPOR			OWNER	
(17)	WHIP HOSE- 1" FLEXSTEEL VAPOR ASSIST HOSE WHIP HOSE- 1" (NON STAGE II ALT.) (OR EQUIVALENT)	GOODYEAR	GY1' VAPOR			OWNER	
(18)	INVERTED BREAKAWAY BREAKAWAY (NON-STAGE II ALT.) (OR EQUIVALENT)	HUSKY HUSKY 336. (DIESEL)	4034VR			OWNER	
(19)	WATER INDICATING PASTE (TO BE LEFT @ STORE)	SARGEL	SASR160			OWNER	
(20)	2" X 1-1/2" BELL GALV. REDUCER @ DISPENSERS- NO TEST PORT	–	–			G.C.	
(21)	SPLATTER SHIELD, BLACK	RICHARDS	R1503R-BK			OWNER	
(22)	3 M INTERCOM / WIRED TO MPD SPEAKERS	3M	D 20 12 CHANNEL			OWNER	
(23)	JUNCTION BOX		CH GUP215			CONT.	
(24)	SEAL OFF		CH EYD2			CONT.	
(25)	BOLLARD WITH PLASTIC SLEEVE					GC	
(26)	2" AMERON LCX PRODUCT PIPE	AMERON INTERNATIONAL	DUALOY 3000/LCX		EQ291	OWNER	
(27)	2" AMERON LCX PRODUCT PIPE FOR VENT RISER	AMERON INTERNATIONAL	DUALOY 3000/LCX		EQ291	OWNER	
(28)	2" X 2" X 2" FRP TEE	AMERON INTERNATIONAL	DUALOY 3000/LCX			OWNER	
(29)	BLANK	–	–			OWNER	
(30)	2" FIBERGLASS TEE (FOR ALCOHOL)	AMERON	22378007			OWNER	
(31)	2" CLAMSHELL TEE	AMERON LCX	22469203			OWNER	
(32)	2" 90° ELBOW	AMERON	22372108			OWNER	
(33)	2" LCX 2-PIECE 90° ELBOW	AMERON LCX	22469201			OWNER	
(34)	2" SLEEVE COUPLING	AMERON	22850707			OWNER	
(35)	2" 45° ELBOW	AMERON	22371508			OWNER	
(36)	2" 45° CLAMSHELL ELBOW	AMERON LCX	22469202			OWNER	
(37)	2" CLAMSHELL COUPLING	AMERON LCX	22469204			OWNER	
(38)	2" x 1 1/2" REDUCER BUSHING	AMERON	20370503			OWNER	
(39)	2" BELL x MALE ADAPTER	AMERON	22370202			OWNER	
(40)	PSX20 8 OZ. SINGLE PACK ADHESIVE KIT	AMERON	80210101			OWNER	
(41)	ENCORE DEFLECTOR PLATE	BRAVO	ENCORE			OWNER	
(42)	–	–	–			OWNER	
(43)	–	–	–			OWNER	
(44)	–	–	–			OWNER	

Order Plans @ WWW.LDILine.com

CLIENT:

CIRCLE K STORES, INC.

12911 N. TELECOM PKWY
TAMPA, FLORIDA 33637
PHONE: 813-910-6800
FAX 813-910-6912

DESIGN TEAM:

MDM SERVICES, INC.

engineering • environmental • construction

1055 KATHLEEN ROAD, LAKELAND, FLORIDA 33805
(863) 646-9130

EB #004857

NO.	DATE	REVISION DESCRIPTION

SOUMYA CHAKRABARTI, MS, P.E.
FLA. REG # 86380

UNDERGROUND FUEL STORAGE TANKS & PIPING PLANS

SITE DESIGNATIONS:

CIRCLE K #1885
5750 SE FEDERAL HWY
STUART, MARTIN COUNTY FL

SCALE: AS NOTED	MDM JOB # 17137
DATE: 08-11-2017	
DESIGNED BY:	
DRAWN BY: P. DOSS	FILE NAME: TA-5.DWG
CHECKED BY:	

DRAWING TITLE:

DISPENSER DETAILS

SHEET NO:

TA-5