

BOUNDARY SURVEY IN SECTION 1, TOWNSHIP 5 SOUTH,
RANGE 16 EAST, COLUMBIA COUNTY, FLORIDA.

POINT OF COMMENCEMENT

NW CORNER OF NW 1/4
OF SE 1/4, SECTION 1,
TOWNSHIP 5 SOUTH,
RANGE 16 EAST

S.00°19'07"E.
44.00' (DEED)

N89°16'03"E.
497.28' (DEED)

POINT OF BEGINNING

L.E. BRITT
P.L.S. 1079

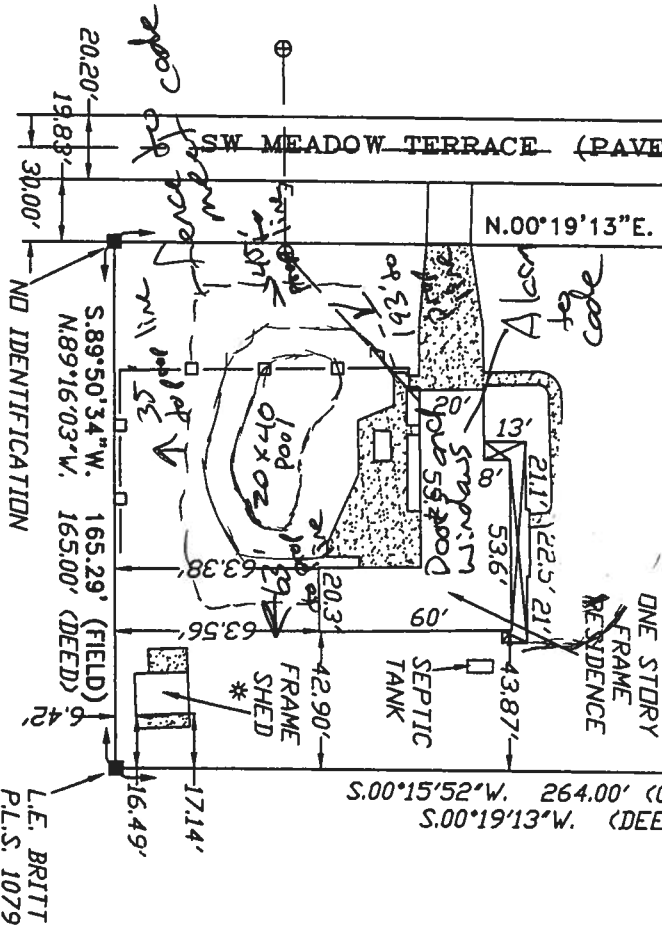
L.E. BRITT
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SW LITTLE ROAD (PAVED PUBLIC)

N89°16'03"E. 165.00' (DEED)
N89°50'33"E. 165.03' (CALC.)

N.00°19'13"E. 264.00' (FIELD)

S.00°15'52"W. 264.00' (CALC.)
S.00°19'13"W. (DEED)



SCALE: 1" = 60'



SYMBOL LEGEND

- 4"x4" CONCRETE MONUMENT FOUND
- 4"x4" CONCRETE MONUMENT SET
- IRON PIPE FOUND
- IRON PIN AND CAP SET
- POWER POLE
- WATER METER
- CENTERLINE
- WELL
- SATELLITE DISH
- TELEPHONE BOX
- ELECTRIC LINES
- WIRE FENCE
- CHAIN LINK FENCE
- WOODEN FENCE

DESCRIPTION:
A PART OF NW 1/4 OF THE SE 1/4 OF SECTION 1, TOWNSHIP 5 SOUTH, RANGE 16 EAST, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS: COMMENCE AT THE NW CORNER OF SAID NW 1/4 OF THE SE 1/4 AND RUN S.00°19'07"E., ALONG THE WEST LINE THEREOF, 44.00 FEET TO THE SOUTH RIGHT-OF-WAY LINE OF LITTLE ROAD; THENCE N89°16'03"E., ALONG SAID RIGHT-OF-WAY LINE, 497.28 FEET FOR A POINT OF BEGINNING; THENCE CONTINUE N89°16'03"E., ALONG SAID RIGHT-OF-WAY LINE, 165.00 FEET; THENCE S.00°19'13"E., 264.00 FEET; THENCE S.00°19'13"W., 165.00 FEET; THENCE N.00°19'13"W., 264.00 FEET TO THE POINT OF BEGINNING. COLUMBIA COUNTY, FLORIDA, CONTAINING 1.0 ACRES, MORE OR LESS.

SURVEYOR'S NOTES:

- BOUNDARY BASED ON MONUMENTATION FOUND.
- BEARINGS ARE BASED ON A DEED OF RECORD AS HANDED THIS OFFICE.
- THIS PARCEL IS IN ZONE 'X' AND IS DETERMINED TO BE OUTSIDE THE 500 YEAR FLOOD PLAIN AS PER FLOOD RATE MAP, DATED 6 JANUARY, 1988 COMMUNITY PANEL NUMBER 120070 0175 B. HOWEVER, THE FLOOD INSURANCE RATE MAPS ARE SUBJECT TO CHANGE.
- THE IMPROVEMENTS, IF ANY, INDICATED ON THIS SURVEY DRAWING ARE AS LOCATED ON DATE OF FIELD SURVEY AS SHOWN HEREON.
- IF THEY EXIST, NO UNDERGROUND ENCROACHMENTS AND/OR UTILITIES WERE LOCATED FOR THIS SURVEY EXCEPT AS SHOWN HEREON.
- THIS SURVEY WAS COMPLETED WITHOUT THE BENEFIT OF A TITLE COMMITMENT OR A TITLE POLICY.

SURVEYOR'S CERTIFICATION

CERTIFIED TO:
RAYMOND WILLEMS
ABSTRACT AND TITLE SERVICES, INC.
COMMONWEALTH LAND TITLE INSURANCE COMPANY
CHASE MANHATTAN MORTGAGE CORPORATION

FIELD BOOK: 272 PAGE(S): 28

I HEREBY CERTIFY THAT THIS SURVEY WAS MADE UNDER MY RESPONSIBLE CHARGE AND MEETS THE MINIMUM TECHNICAL STANDARDS AS SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL SURVEYORS AND MAPPERS IN CHAPTER 61G17-6, FLORIDA ADMINISTRATIVE CODE, PURSUANT TO SECTION 460.09, FLORIDA STATUTES.

11/16/04 11/17/04
FIELD SURVEY DATE DRAWING DATE

L. SCOTT BRITT, P.S.M.
CERTIFICATION # 5757

NOTE: UNLESS IT BEARS THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER THIS DRAWING, SKETCH, PLAT OR MAP IS FOR INFORMATIONAL PURPOSES ONLY AND IS NOT VALID.



BRITT SURVEYING

LAND SURVEYORS AND MAPPERS
830 WEST DUVAL STREET LAKE CITY, FLORIDA 32055
(386) 752-7163 FAX (386) 752-5573
WORK ORDER # L-15536

1. THIS SAFETY VACUUM RELIEF SYSTEM IS A NON-MECHANICAL VENT SYSTEM THAT WILL LIMIT THE TRANSMISSION OF SUCTION AT THE OUTLET TO A MAXIMUM OF 4.5 INCHES OF MERCURY.
2. THIS SYSTEM IS A BACKUP TO PROVIDE SUCTION RELIEF SHOULD ENTRAPMENT OCCUR.
3. POOL AND SPA SUCTION INLETS SHALL BE PROVIDED WITH A COVER THAT COMPLETES WITH ANSI/ASME A112.19.8
4. ALL MANUFACTURED SUMPS SHALL COMPLY WITH ANSI/ASME A112.19.8. IF A FIELD-BUILT SUMP IS USED, ITS CONSTRUCTION SHALL COMPLY WITH THE MINIMUM DIMENSIONS SHOWN IN FIGURE 1.
5. THE VELOCITY ON THE SUCTION SIDE OF THE CIRCULATION SYSTEM SHALL NOT EXCEED SIX (6) FPS.
6. CHECK VALVES CANNOT BE INSTALLED ON THE SUCTION SYSTEM.
7. THIS SYSTEM SHALL BE INSTALLED AND TESTED BY A QUALIFIED, LICENSED SWIMMING POOL PROFESSIONAL.
8. THE VENT LINE LENGTH MUST NOT EXCEED THE TOTAL LENGTH OF THE MAIN DRAIN LINE.
9. VENT OPENING MUST BE COVERED WITH WIRE MESH SCREEN TO PREVENT INSECTS, DEBRIS COLLECTION AND BACTERIA.
10. LABEL VENT: POOL SAFETY DEVICE- DO NOT HANDLE
11. PER FBC 424.2.6.6.4 (R4101.6.6.4) Suction inlets per pump: A minimum of two suction inlets shall be provided for each pump in the suction inlet system, separated by a minimum of 3 feet (914 mm) or located on two different planes; i.e., one on the bottom and one on the vertical wall, or one each on two separate vertical walls. These suction inlets shall be plumbed such that water is drawn through them simultaneously through a common line to the pump.

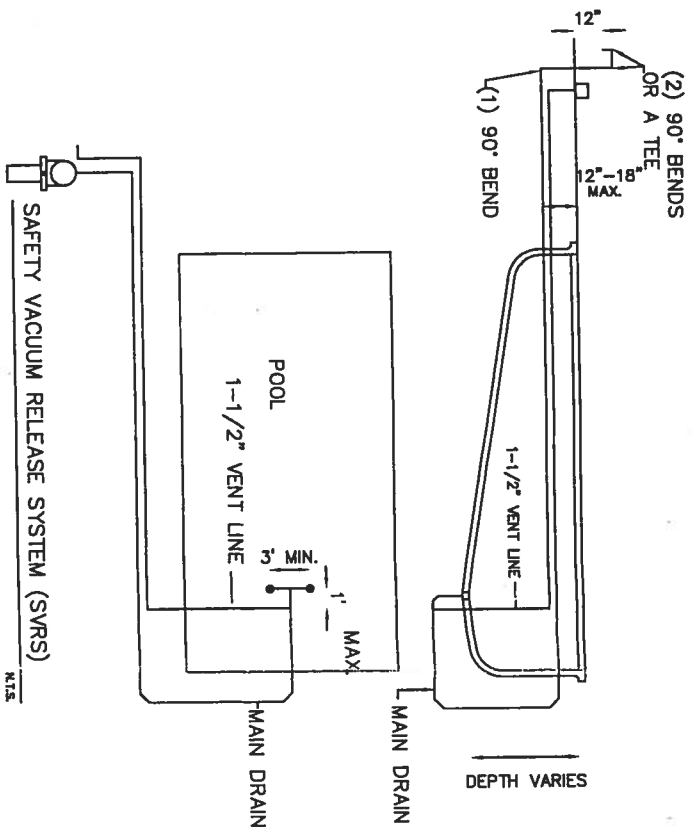
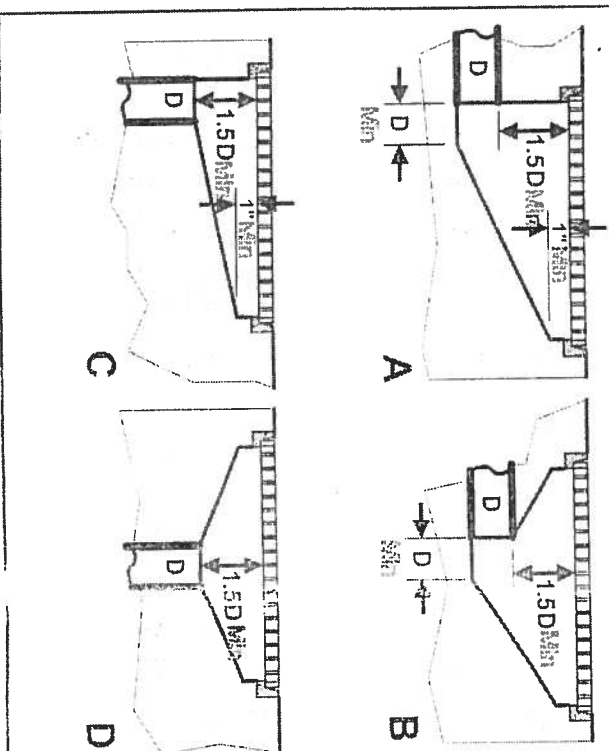


Figure 1

FIELD BUILT SUMPS

Minimum Size (Typical)

D = Inside Diameter of Pipe



APPROVED SWIMMING POOL & SPA
DUAL MAIN DRAIN ATMOSPHERIC VENT (SVRS)
COMPLIANT WITH SECTION 424.2.6.6 (R4101.6.6), FLORIDA BUILDING
CODE FOR RESIDENTIAL APPLICATIONS.

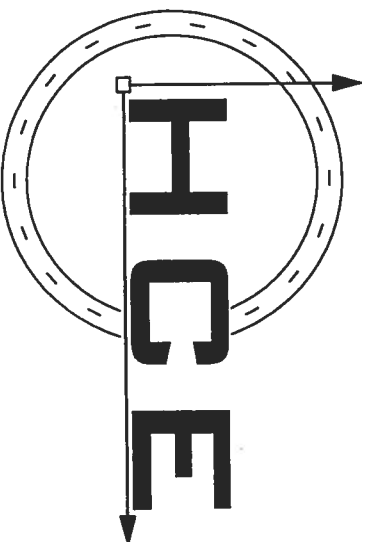
ENTRAPMENT AVOIDANCE
VENT PIPE ANALYSIS-MAXIMUM LENGTH

PIPE SIZES INCHES	AVERAGE FLOW GPM	VELOCITY FT. PER SEC.	VENT PIPE SIZE	MAXIMUM LENGTH FT.
2"	60	5.74	1 1/2"	32
2"	75	7.17	1 1/2"	41
2 1/2"	100	6.7	1 1/2"	54
2 1/2"	110	7.37	1 1/2"	60
3"	135	5.86	1 1/2"	73
3"	145	6.29	1 1/2"	79
3"	175	7.59	1 1/2"	95
4"	325	8.19	1 1/2"	177

This analysis is based upon maintaining the length of pipe below the operating level of the pool, vertical and horizontal, to vacate within 3 seconds based on the size of the pump and the average flow rate. Due to the hydraulic gradient caused by the pump and piping, the vent line should be located as close to the tee at the dual main drain, as possible with a maximum distance of 12".

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REVISION

10-10-05 REVISE W/ NEW FBC CODE REFERENCES

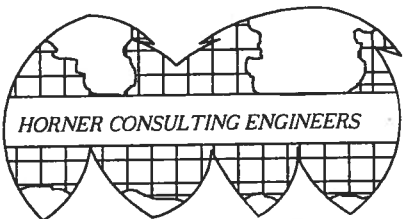
DRAWN BY: JWR

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PAGE 1 OF 1



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