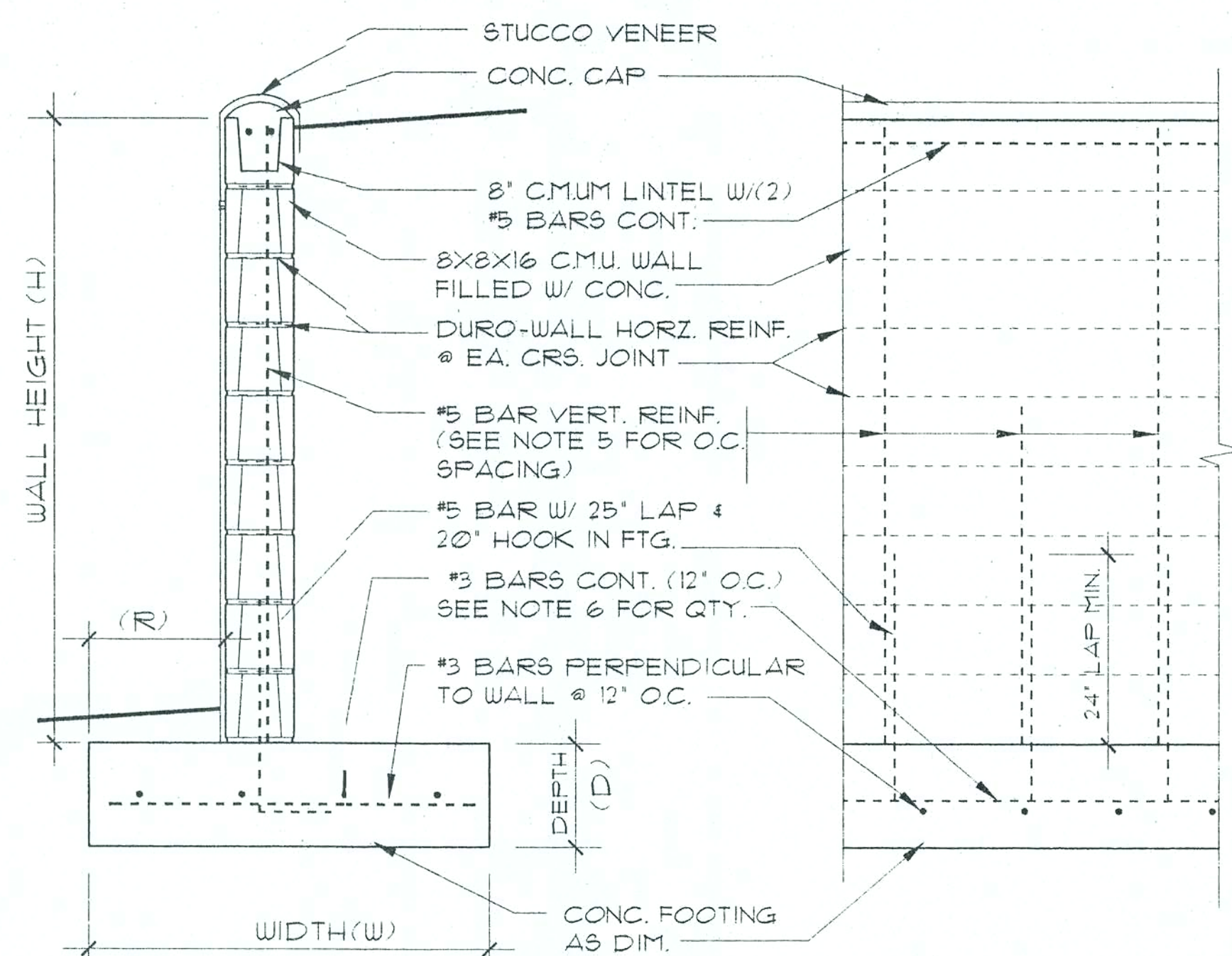


RETAINING WALL NOTES

1. CONC. FILL ALL BLOCK CELLS
2. CONC. TO BE 3000 P.S.I. @ 28 DAYS
3. FOOTER AND WALL HEIGHT MAY BE STEPPED TO ADJUST FOR GRADE WHERE WALL HEIGHT OR FOOTER ELEVATION IS STEPPED - CONT. HORIZ. REINF. MUST BE STEPPED
4. WEIGHT OF ASSUMED SOIL BACKFILL IS 120 PCF AND EQUIVALENT FLUID PRESSURE IS 45 PCF. THERE IS NO SURCHARGE AND MAXIMUM SOIL BEARING PRESSURE IS 1500 PSF.
5. VERTICAL #5 BAR REINF. O.C. SPACING:

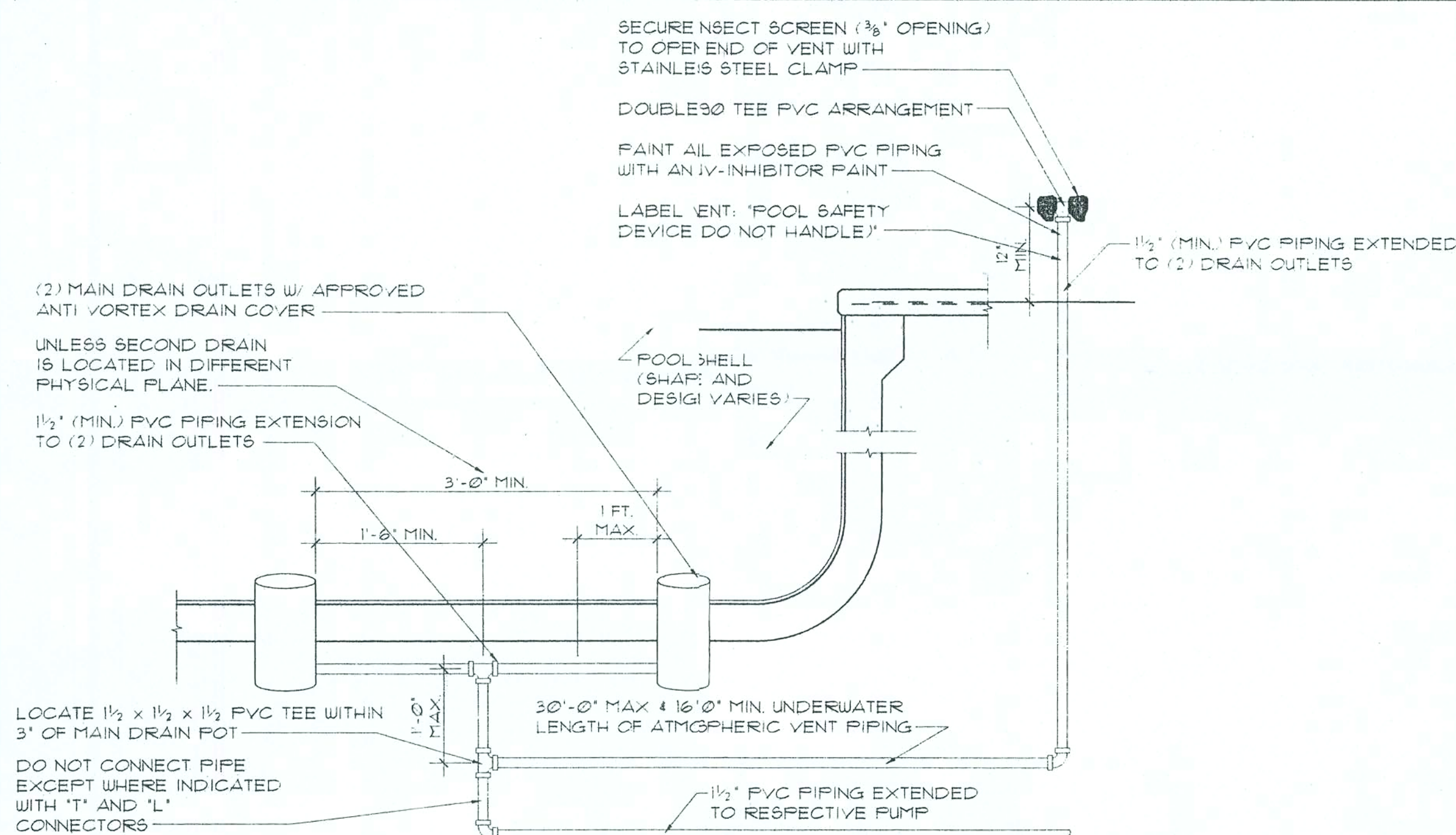
WALL HEIGHT (H)	SPACING OF VERT. REINF. (SEE NOTE 7)
3'-4"	40" O.C.
4'-0"	32" O.C.
4'-8"	32" O.C.
5'-4"	16" O.C.
6'-0"	16" O.C.
6. CONC. FOOTER SIZE AND REINFORCEMENT

WALL HEIGHT (H)	FTG. WIDTH (W)	FTG. DEPTH (D)	WALL LOC. (R)	CONT. #5 BARS (#12' O.C.)
3'-4"	32"	9"	12"	2
4'-0"	36"	9"	12"	3
4'-8"	40"	10"	12"	4
5'-4"	44"	10"	14"	5
6'-0"	50"	12"	15"	5
7. ALTERNATE VERT. REINF. BARS MAY BE TERMINATED AT THE MID-HEIGHT OF THE WALL. EVERY THIRD BAR MAY BE TERMINATED AT THE UPPER TWO-THIRDS (2/3) OF WALL HT.



RETAINING WALL DETAIL

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



DUAL MAIN DRAIN ATMOSPHERIC VENT (PREFERRED) GOOD FOR POOL/SPA

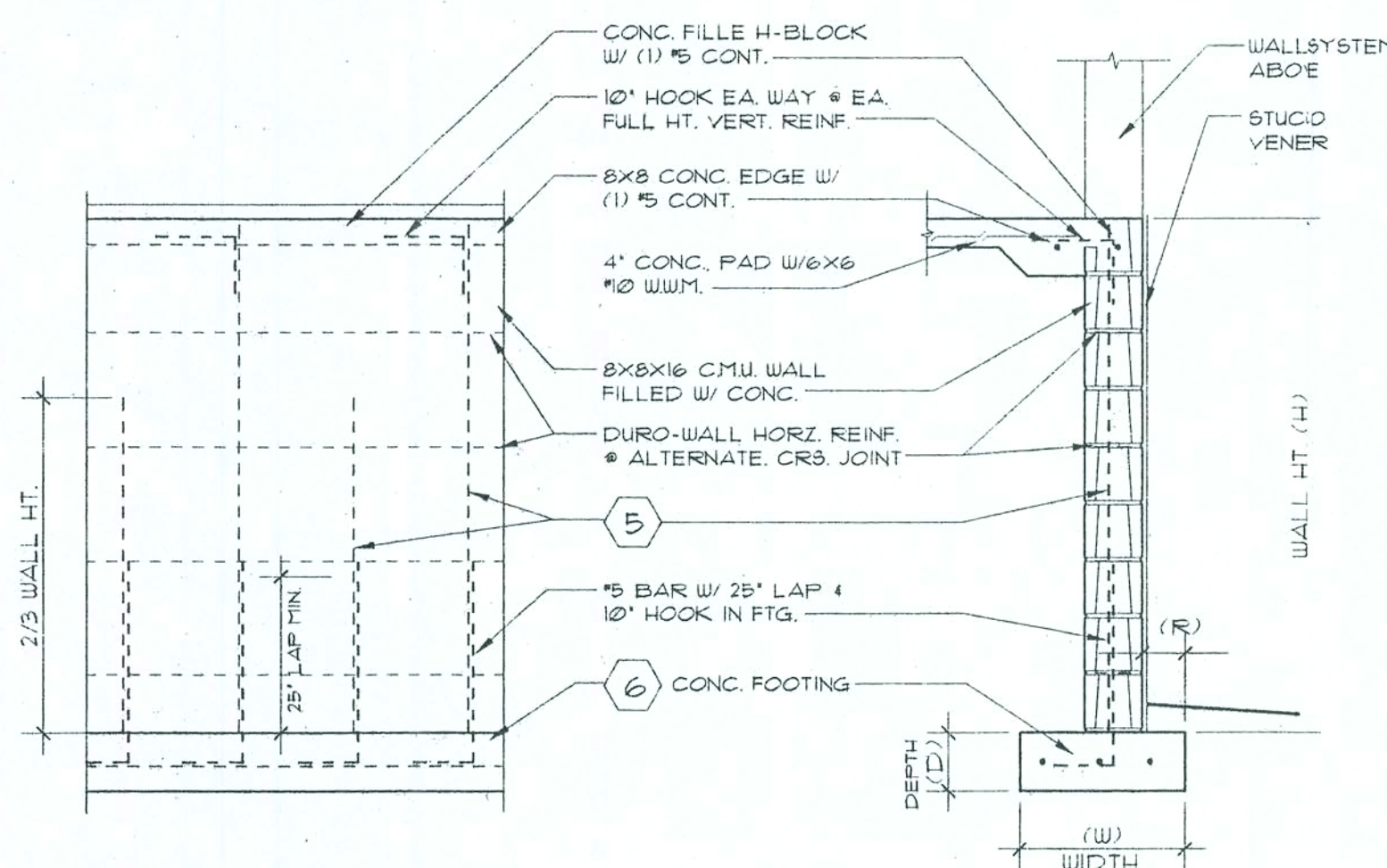
SCALE: 1/2" = 1'-0"

ENGINEER NOTES:

1. CONC. FILL ALL BLOCK CELLS
2. CONC. TO BE 3000 P.S.I. @ 28 DAYS
3. FOOTER AND WALL HEIGHT MAY BE STEPPED TO ADJUST FOR GRADE WHERE WALL HEIGHT OR FOOTER ELEVATION IS STEPPED - CONT. HORIZ. REINF. MUST BE STEPPED
4. WEIGHT OF ASSUMED SOIL BACKFILL IS 120 PCF AND EQUIVALENT FLUID PRESSURE IS 45 PCF. THERE IS NO SURCHARGE AND MAXIMUM SOIL BEARING PRESSURE IS 1500 PSF.
5. VERTICAL #5 BAR REINF. O.C. SPACING:

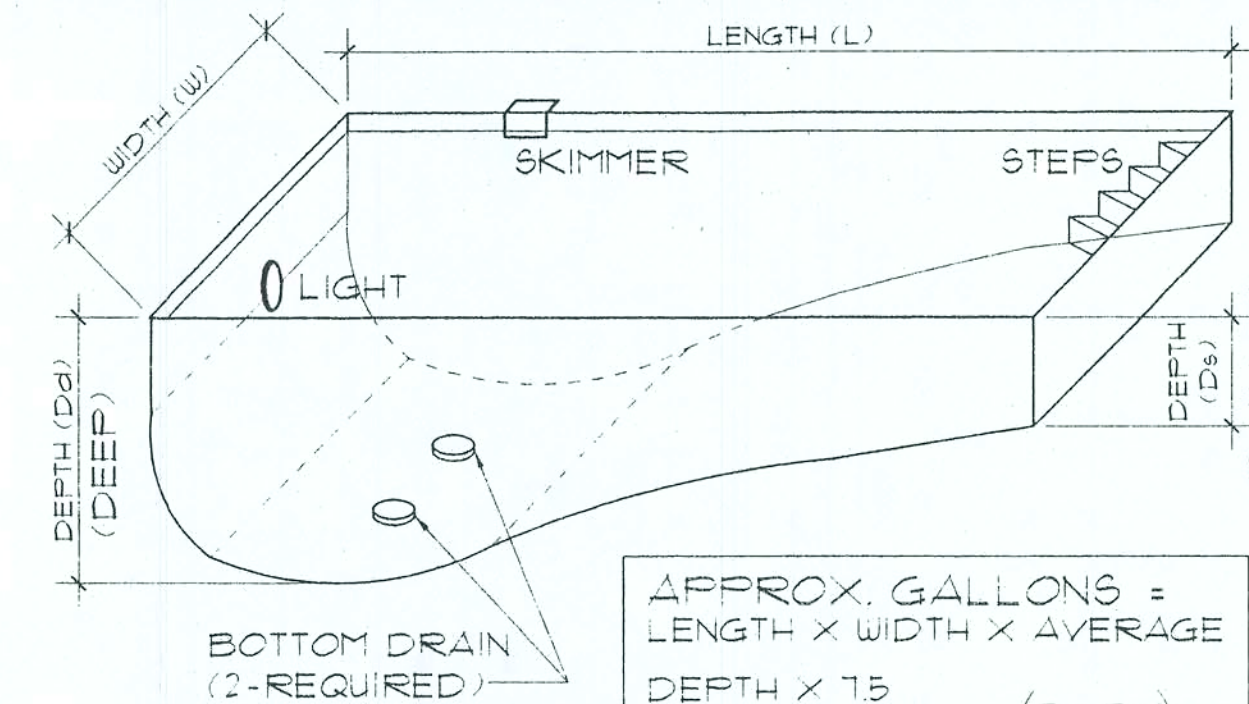
WALL HEIGHT (H)	SPACING OF VERT. REINF. (SEE NOTE 7)
3'-4"	34" O.C.
4'-0"	48" O.C.
4'-8"	48" O.C.
5'-4"	40" O.C.
6'-0"	40" O.C.
6'-8"	32" O.C.
6. CONC. FOOTER SIZE AND REINFORCEMENT

WALL HEIGHT (H)	FOOTING WIDTH (W)	FOOTING DEPTH (D)	WALL LOCATION (R)	CONTINUOUS #5 REBARS
3'-4"	20"	8"	6"	2
4'-0"	24"	8"	6"	3
4'-8"	24"	10"	6"	3
5'-4"	24"	10"	6"	3
6'-0"	28"	12"	6"	3
6'-8"	28"	12"	6"	3
7. ALTERNATE VERT. REINF. BARS MAY BE TERMINATED AT TWO-THIRDS (2/3) OF WALL HEIGHT.
8. CONC. FILLED CELLS AND REINF. IN WALL SYSTEM ABOVE SLAB AND STEPWALL MAY VARY FROM STEPWALL REINF.



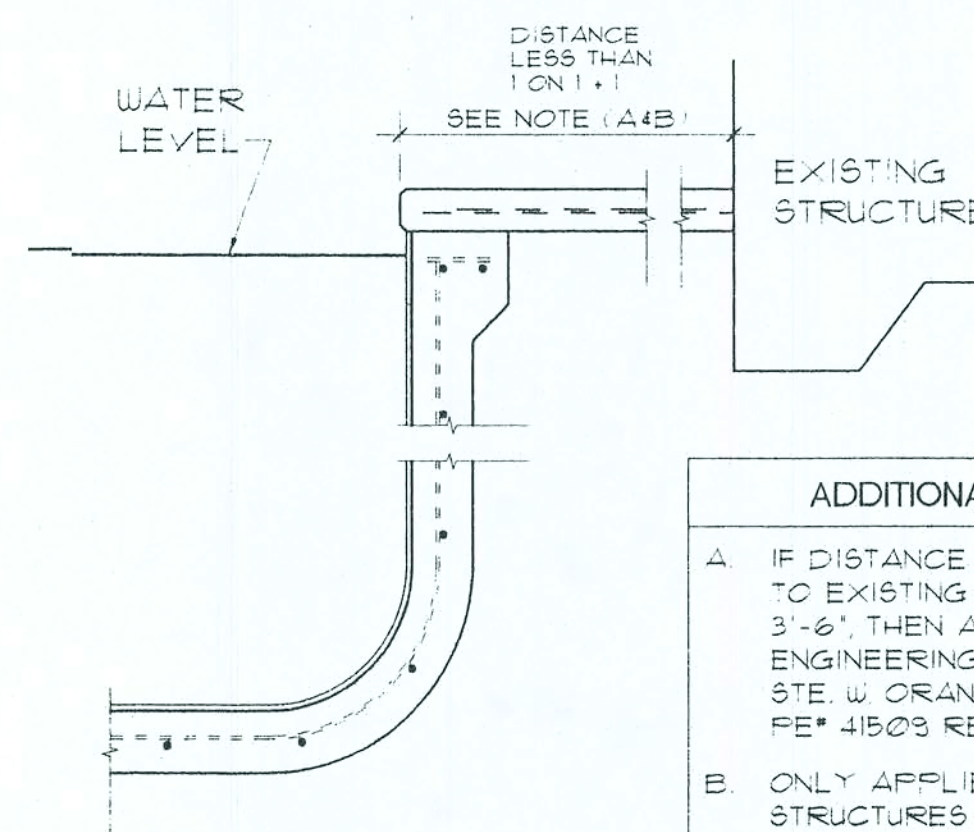
TALL STEM-WALL DETAIL (40" AND OVER)

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



TYPICAL POOL SHELL

SCALE: N/A

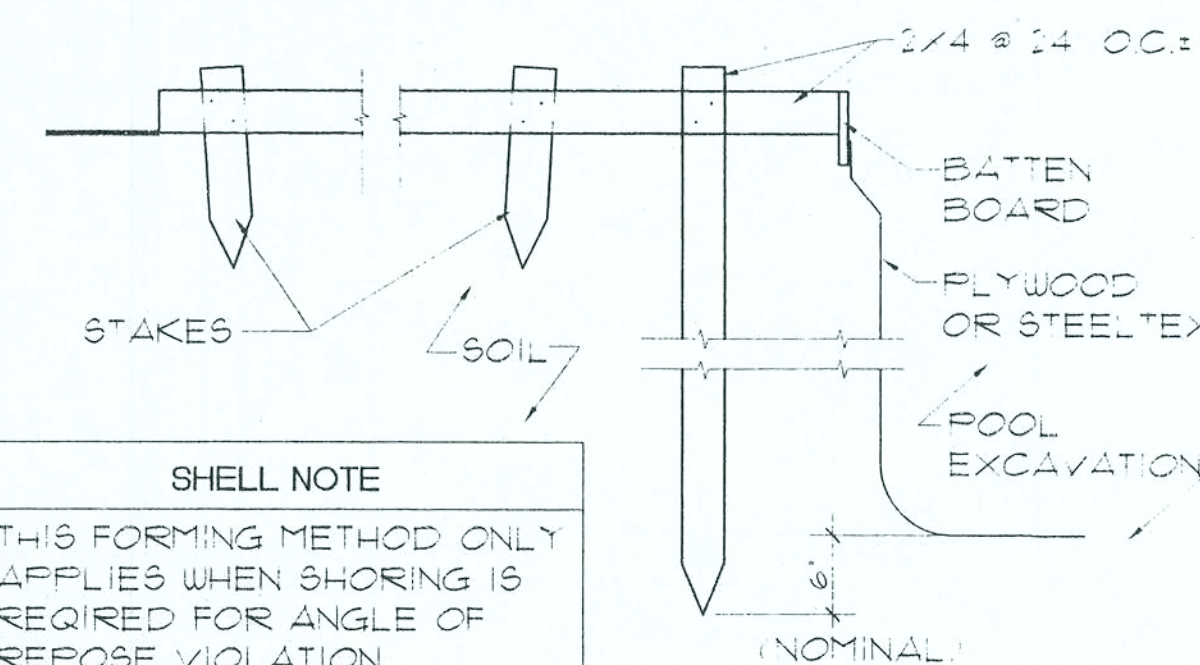


ADDITIONAL REQUIREMENTS

- IF DISTANCE FROM EDGE OF POOL TO EXISTING STRUCTURE IS LESS THAN 3'-6", THEN A LETTER FROM MOLYET ENGINEERING LLC 1060 E. INDUSTRIAL DR. STE. W. ORANGE CITY, FLORIDA 32763 PER #41503 REQUIRED.
- ONLY APPLIES TO 1 STORY STRUCTURES. STRUCTURES IN EXCESS OF ONE STORY REQUIRE LETTER FROM MOLYET ENGINEERING LLC 1060 E. INDUSTRIAL DR. STE. W. ORANGE CITY, FLORIDA 32763 PER #41503 REQUIRED.

DETAIL NOTES

SHORING REQUIRED POST EXCAVATION PRIOR TO APPLICATION OF SHOTCRETE GUNITE. THE CONTRACTOR MUST PLACE ALL STEEL IN THE POOL WALL, AT NO MORE THAN 6 INCHES ON CENTER IN BOTH DIRECTIONS IN THE CRITICAL AREA. THIS STEEL SHALL EXTEND 18" INTO COVER/BOTTOM. THE POOL SHELL WALL SHALL BE CONSTRUCTED AT 6" THICKNESS. STEEL MAT AND SHELL WALL SHALL BE EXTENDED ALONG THE CRITICAL AREA AND TO A POINT WHICH IS GREATER THAN THE MINIMUM REQUIRED DISTANCE AS DETERMINED BY THE 1 ON 1 + 1 RULE.

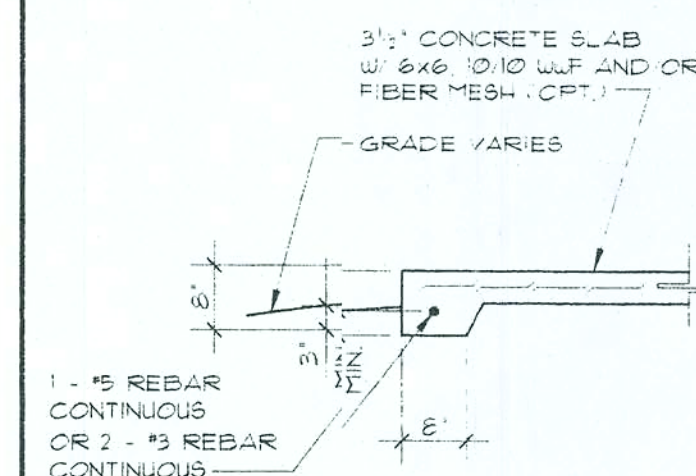


SHELL NOTE

THIS FORMING METHOD ONLY APPLIES WHEN SHORING IS REQUIRED FOR ANGLE OF REPOSE VIOLATION

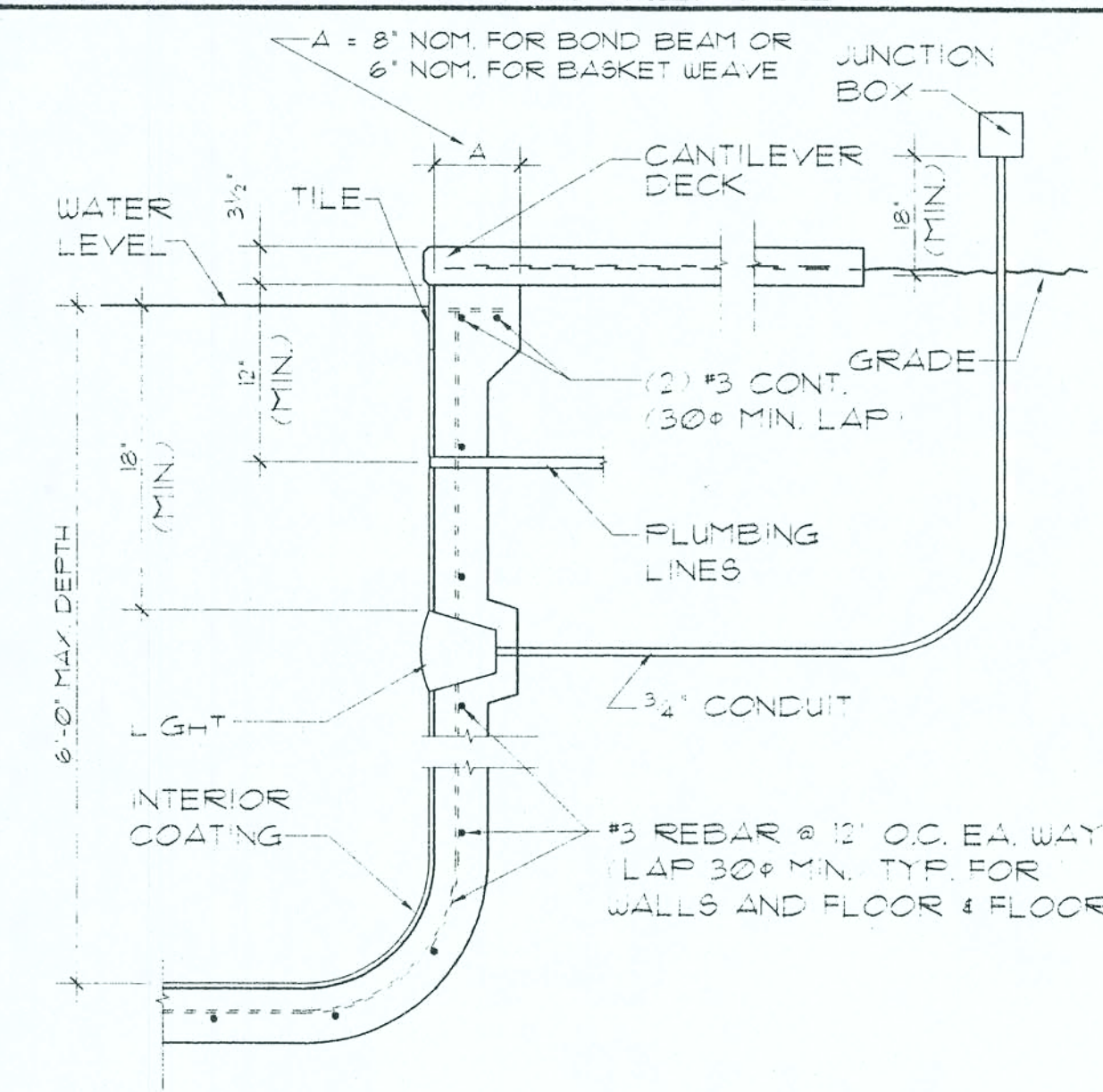
TYP. WALL AND FLOOR WITHIN ANGLE OF REPOSE

SCALE: N/A



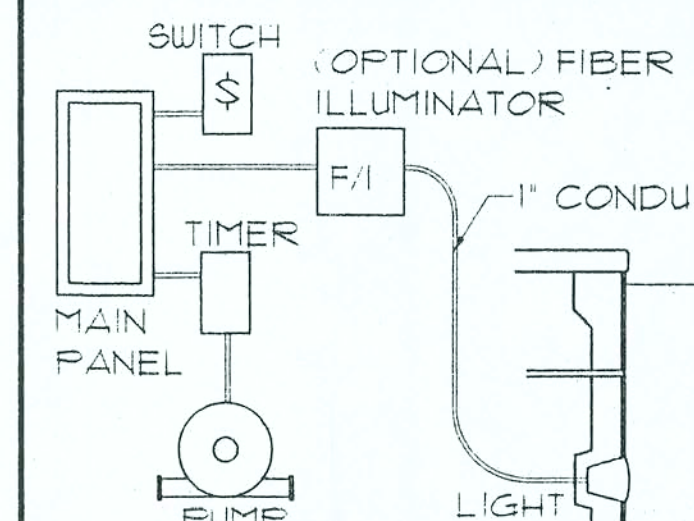
TURNED EDGE

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



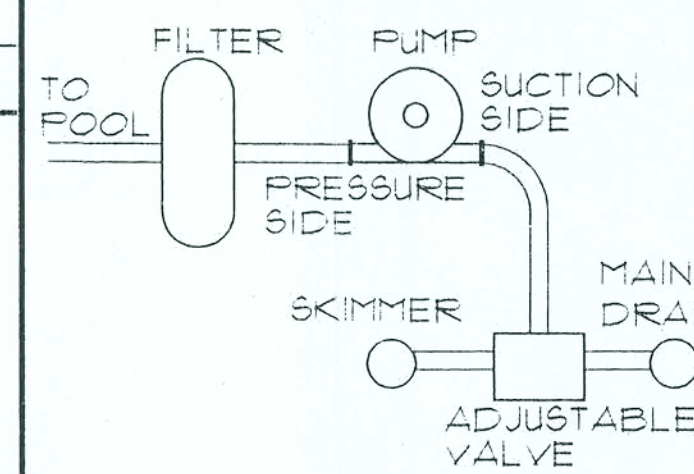
SECTION DETAIL

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

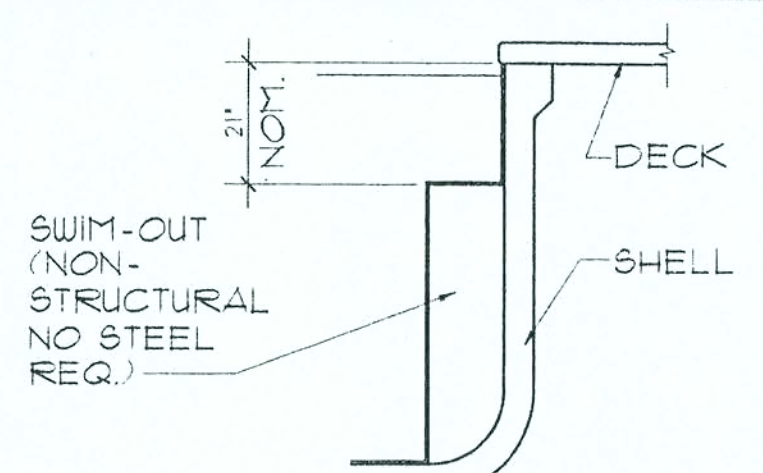


(NOTE: AS PER NEC. AND LOCAL CODES)

TYPICAL WIRING DIAGRAM

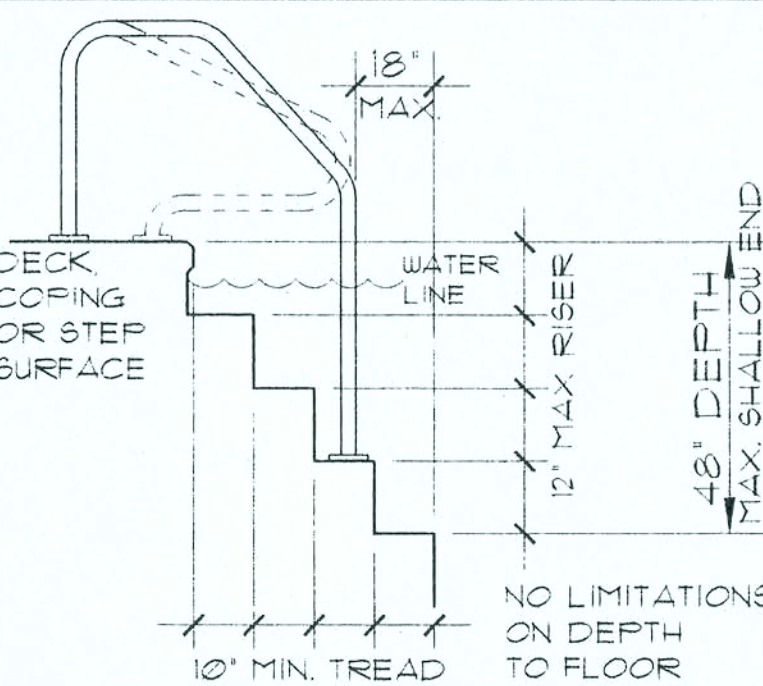


TYP. PLUMBING DIAGRAM



SWIM-OUT SECTION

SCALE: N/A



STEPS SECTION

SCALE: N/A

AMERICAN NATIONAL STANDARDS INSTITUTE

ANSI/NFPA - 3 1993 PERMANENTLY INSTALLED RESIDENTIAL SPAS

ANSI/NFPA - 5-03 STANDARD FOR RESIDENTIAL INGROUND SWIMMING POOLS

AMERICAN NATIONAL STANDARDS INSTITUTE
AMERICAN SOCIETY OF MECHANICAL ENGINEERS

2005 NATIONAL ELECTRICAL CODE

2004 FLORIDA RESIDENTIAL CODE - SECTION R410.6

APPLICABLE CODES AND ORDINANCES

1. POOL MUST MEET CODE SETBACK REQUIREMENTS.
2. COMPACTION TEST NOT REQUIRED EXCEPT WHEN POOL IS PLACED ON FILL. (COMPACTION SHALL BE 95% OF SOIL DENSITY)
3. REINFORCING STEEL BARS - ASTM A15-58T & A305-58T
4. ALL REINFORCING BARS POOL & METAL DECK EQUIPMENT TO BE GROUND.
5. WALLS & FLOOR - PNEUMATICALLY PLACED OR MACHINE MIXED CONCRETE. (GRADE & 2500 P.S.I. @ 28 DAYS) WALLS & FLOOR: 6" THICK (MIN.)
6. 3 1/2" THICK CONCRETE DECKING AROUND POOL TO BE REINFORCED WITH 6X6 WELDED WIRE MESH AND/OR FIBER MESH AND/OR #3 REBAR (MIN.) AT 24" O.C.
7. SEE PUMP & FILTER DATA SHEET FOR HYDRAULIC REQR.
8. ANY VARIATION OF STANDARD POOL CRITERIA MUST BE ACCOMPANIED BY LETTER FROM A LICENSED ENGINEER.
10. CONSTRUCTION MUST ADHERE TO FLORIDA BUILDING CODE SECTION 424.2.1.1 REGARDING BARRIER REQ.
11. ALL POOLS EXCEEDING 8' OF DEPTH WILL REQUIRE SUPPLEMENTAL ENGINEERING.
12. NO DIVING BOARDS OR SLIDES
13. APPLIES TO BOTH POOLS AND SPAS
14. SYSTEM IS DESIGNED AND TESTED AT 60 GAL./MIN. @ FEET PER SECOND
15. THESE PLANS MAY BE USED FOR MASTER FILE PURPOSES.
17. THIS ENGINEERING EXPIRES ON 10-6-06 OR UNTIL SUPERCEDED BY NEW CODE, WHICHEVER OCCURS FIRST.

MOLYET ENGINEERING LLC
1060 EAST INDUSTRIAL DRIVE, STE. W
ORANGE CITY, FL 32763
PER #41509
CERT. OF AUTH. #00009855

DESIGN STATEMENT: THIS STRUCTURE HAS BEEN DESIGNED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE, 2004 EDITION WITH ALL REVISIONS THEREOF. THE DESIGN, CONSTRUCTION AND AS FOLLOWS:

BASIC WIND SPEED: 120mph (1 SEC. GUST)
WIND IMPORTANCE FACTOR: 1
WIND EXPOSURE CATEGORY: B
INTERNAL PRESSURE COEFFICIENT: 0.18
COMPONENTS & CRITICAL AREAS: 1.5
DESIGN WIND SPEED: +25.9mph / -34.7mph

Weldon Associates
Residential & Building design services
386 E. Graves Avenue, Suite C, Orange City, FL 32763
Voice: (407) 975-5021, Fax: (407) 975-5022
Web: WeldonAssoc.com Email: info@WeldonAssoc.com

Molyet Engineering LLC
PE 041509
1060 East Industrial Drive, Ste W
Orange City, Florida 32763
Voice: 386.774.8825
Fax: 386.774.8523

SWIMMING POOL RESIDENTIAL DESIGN

Pool Contractor: *Paradise Pools of Central Florida* License No: *10-00000000*

Address: *10-00000000*

SHEET NO: 10-00000000

DATE: 3 OCT 2005

DRAWN BY: C. Weldon

P-1

A BOUNDARY SURVEY IN SECTION 27, TOWNSHIP 5 SOUTH,
RANGE 17 EAST,
COLUMBIA COUNTY, FLORIDA.

NOTE: ALL PROPERTY CORNERS LOCATED ARE IDENTIFIED AS MARK D. DUREN, P.L.S. 4708.

SYMBOL LEGEND

- 4"x4" CONCRETE MONUMENT FOUND
- 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

SCALE: 1" = 60'

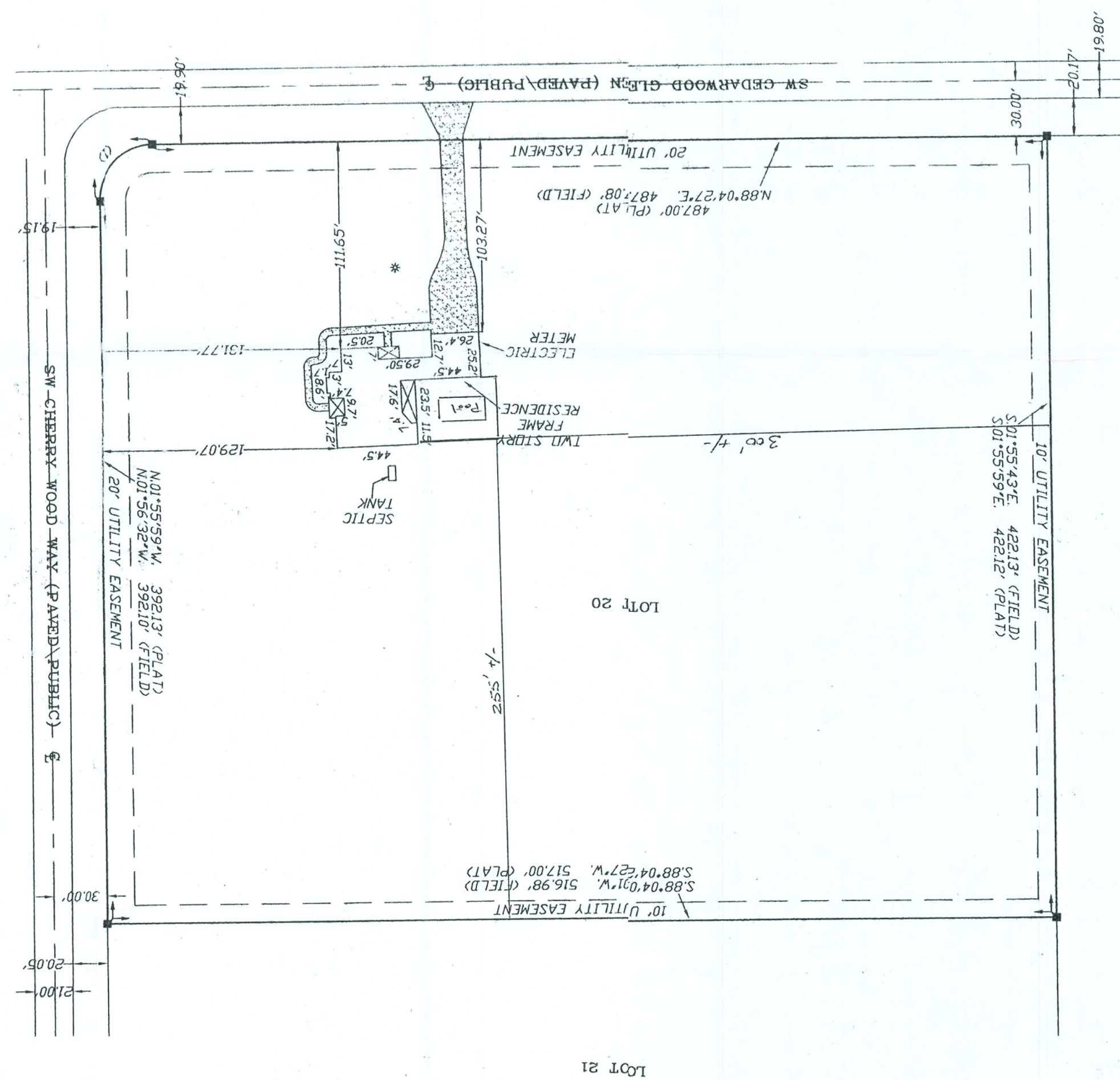
SPECIAL FLOOD NOTE:
THIS LOT HAS A MINIMUM FLOOR
ELEVATION DETERMINED TO BE THE
HIGHER OF: ELEVATION F 166.00 FEET
ADJACENT GRADE.
ROADWAY OR 8" ABOVE THE HIGHEST
NGVD 29 DATUM OF 1.00' ABOVE THE

CURVE TABLE

NO.	RADIUS	DELTA	ARC	TANGENT	CHORD	CHORD BEARING
1	30.00'	90°00'58"	47.20'	30.08'	42.48'	S42°58'35"W
PLAT	30.00'	90°00'26"	47.13'	30.00'	42.43'	S43°04'14"W

DESCRIPTION:
LOT 20 OF "MAGNOLIA PLACE" AS PER PLAT THEREOF RECORDED IN PLAT BOOK 7, PAGES 174-179
OF THE PUBLIC RECORDS OF COLUMBIA COUNTY, FLORIDA.

SURVEYOR'S NOTES:
1. BOUNDARY BASED ON MONUMENTATION FOUND IN ACCORDANCE WITH THE RETRACEMENT OF
THE ORIGINAL SURVEY FOR SAID PLAT OF RECORD.
2. BEARINGS ARE BASED ON SAID PLAT OF RECORD.
3. THIS ARCEL 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
12007 0250 B. HOWEVER, THE FLOOD INSURANCE RATE MAPS ARE SUBJECT TO CHANGE.
4. THE IMPROVEMENTS, IF ANY, INDICATED ON THIS SURVEY DRAWING ARE AS LOCATED ON
DATE OF FIELD SURVEY AS SHOWN HEREON.
5. IF THEY EXIST, NO UNDERGROUND ENCROACHMENTS AND/OR UTILITIES WERE LOCATED FOR
THIS SURVEY EXCEPT AS SHOWN HEREON.
6. THIS SURVEY WAS COMPLETED WITHOUT THE BENEFIT OF A TITLE COMMITMENT OR A TITLE
POLICY.



BRITT

LAND SURVEYORS AND MAPPERS

830 WEST DUVAL STREET
LAKE CITY, FLORIDA 32055

TELEPHONE: (986) 752-7163 FAX: (986) 752-5573
WORK ORDER # L-16393

SURVEYOR'S CERTIFICATION

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 472027, FLORIDA STATUTES.

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

07/27/05
DRAWING DATE

07/27/05
FIELD SURVEY DATE

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.

CERTIFIED TO:

ABRAHAM & PAM PALLAS
CAMPUS USA
TITLE OFFICES, LLC
TICOR TITLE INSURANCE COMPANY

FIELD BOOK: SEE PAGE(S): FILE