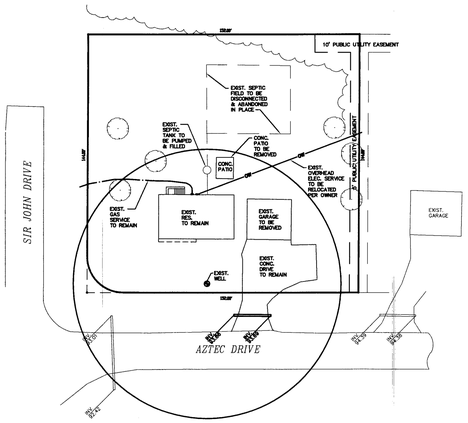
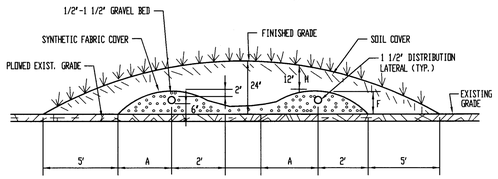
SEPTIC & SITE DEVELOPMENT PLAN

(SCALE: 1"=20')



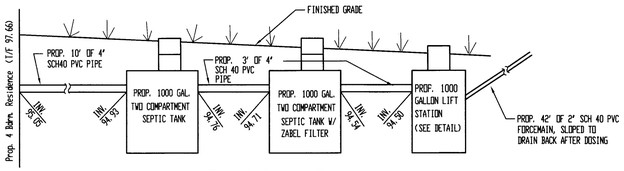
Demolition Plan

(N.T.S.)



VI. At-Grade Cross-Section:

(N.T.S.)



Tank & Piping Detail:

(N.T.S.)

Joint Utility Locating Information for Excavators

CALL JULIE

48 hours before you dig
(Excluding Sat., Sun. & Holidays)
WITH THE FOLLOWING:
COUNTY LAKE
CITY-TOWNSHIP .
SEC. & 1/4 SEC. NO#
1-800-892-0123

LEGEND

- 109 — PROPOSED CONTOURS
- 105 — EXISTING CONTOURS

OWNER:

PREPARED FOR:

LEGAL DESCRIPTION:

LOT 26 IN RUNGES' VILLA RANCHOE
SE 1/4, S30, T46N, R10E
P.I.N.:
LAKE VILLA TOWNSHIP
(KNOWN AS: AZTEC ST.)

DESIGN DATA: (4 BDRM = 600 GPD):

- PROP. REMODEL EXIST. RESIDENCE TO A 4 BDRM.
- PROP. 44'x60' WI. AT-GRADE SYSTEM AS SHOWN.
- SLR=.40 GPD/SQ FT, LLR=6.0 GPD/FT
- > 24" GROUNDWATER SEPARATION PROVIDED.

JOB NOTES:

1.) PROP. 2-1000 GALLON, TWO COMPARTMENT TANK(S).
EQUIP. 2ND TANK W/ZABEL FILTER ON TANK OUTLET.

2.) PROP. 1000 GALLON LIFT STATION. EQUIP W/HYDROMATIC SV 33 1/3 HP EFFLUENT PUMP SET TO DOSE 85 GALLONS AS SHOWN.

3.) AT-GRADE SYSTEM SHALL BE INSTALLED PER CONSTRUCTION MANUAL GUIDELINES, STAYING OFF BASAL AREAS TO AVOID COMPACTION.

4.) SEE WORKSHEET FOR DESIGN CALC. & OTHER SPECIFICATIONS.

5.) THE PROPOSED SEPTIC & EXPANSION FIELD AREA, MUST BE FENCED OFF W/TEMPORARY FENCING PRIOR TO BEGINNING CONSTRUCTION. ALL TRAFFIC, SOIL FROM BASEMENT EXCAVATION, AND STOCKPILING OF BUILDING MATERIALS OR SCRAPS, MUST BE KEPT OFF OF THIS AREA. (FAILURE TO DO SO MAY RESULT IN PERMIT REVOCATION BY THE LAKE COUNTY HEALTH DEPARTMENT)

6.) THE SEPTIC FIELD AREA SHALL NOT BE CUT OR FILLED UNLESS IT IS SPECIFIED ON THIS PLAN.

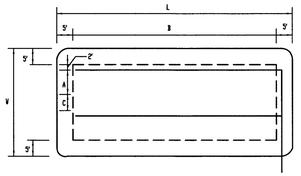
7.) SEPTIC CONTRACTOR SHALL VERIFY ALL WELLS, ELEVATIONS, AND DIMENSIONS BEFORE STARTING CONSTRUCTION. ANY DISCREPANCIES OR DEVIATIONS FROM THIS PLAN SHALL BE REPORTED TO THE SEPTIC SYSTEM DESIGNER IMMEDIATELY.

8.) NO CLEAR WATER FROM FOOTING DRAINS, AIR CONDITIONERS, OR DEHUMIDIFIERS SHALL DISCHARGE INTO SEPTIC SYSTEM. ROUTE CLEAR WATER SUMPS & GUTTERS TO DISCHARGE AWAY FROM SEPTIC SYSTEM AREA.

9.) CONTRACTORS SHALL CALL J.U.L.I.E. TO VERIFY UTILITY LOCATIONS BEFORE DIGGING AT: 1(800) 892-0123.

10.) THIS DESIGN DOES NOT IMPLY OR GUARANTEE TROUBLE FREE SERVICE. PROPER INSTALLATION, USE, & MAINTENANCE IS REQ'D.

11.) LOW PRESSURE PIPE SYSTEMS MUST BE PRESSURE TESTED PRIOR TO BACKFILLING.

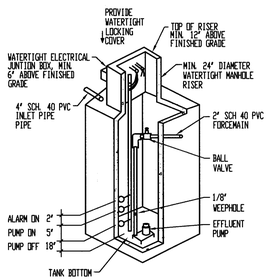


(LEVEL DESIGN)

At-Grade Dimensions:	
A=12.5'	H=1.0'
B=50.0'	L=60.0'
C=N/A	W=44.0'
F=.83'	

WI. At-Grade Plan View:

(N.T.S.)



Prop 1000 Gallon Lift Station

(N.T.S.)

SEDIMENTATION AND EROSION CONTROL NOTES:

A.) SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER TO MINIMIZE EROSION. SOIL STABILIZATION MEASURES SHALL CONSIDER THE TIME OF YEAR, SITE CONDITIONS AND THE USE OF TEMPORARY OR PERMANENT MEASURES.

B.) SOIL EROSION AND SEDIMENT CONTROL FEATURES SHALL BE CONSTRUCTED PRIOR TO THE COMENCEMENT OF UPLAND DISTURBANCE.

C.) TEMPORARY SOIL STABILIZATION SHALL BE APPLIED TO DISTURBED AREAS WITHIN 14 CALANDER DAYS OF THE END OF ACTIVE HYDROLOGIC DISTURBANCE. PERMANENT STABILIZATION SHALL BE DONE WITHIN 14 DAYS AFTER COMPLETION OF FINAL GRADING.

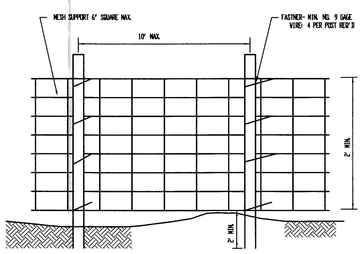
D.) ALL STORM SEWER FACILITIES THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED, FILTERED, OR OTHERWISE TREATED TO REMOVE SEDIMENT.

E.) ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION IS ACHEIVED OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED. TRAPPED SEDIMENT AND OTHER DISTURBED SOIL AREAS SHALL BE PERMANENTLY STABILIZED.

F.) ALL TEMPORARY AND PERMANENT EROSION CONTROL MEASURES MUST BE MAINTAINED AND REPAIRED AS NEEDED. THE GENERAL CONTRACTOR WILL BE RESPONSIBLE FOR INSPECTION AND REPAIR DURING CONSTRUCTION. THE OWNER WILL BE RESPONSIBLE IF EROSION CONTROL IS REQUIRED AFTER THE CONTRACTOR HAS COMPLETED THE PROJECT.

G.) THE EROSION CONTROL MEASURES INDICATED ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER OR GOVERNING AGENCY.

H.) ALL DISTURBED SOILS MUST BE SEEDED AND MULCHED WITHIN 10 DAYS OF FINAL GRADING.



Silt Fence Plan:

(N.T.S.)

NOTES:

1.) TOP AND BOTTOM WIRES OF MESH SUPPORT SHALL BE MIN. GAGE NO. 9.

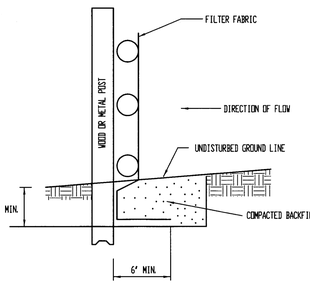
2.) INTERMEDIATE WIRES OF MESH SUPPORTS SHALL BE GAGE NO. 11.

3.) TEMPORARY SEDIMENT FENCE SHALL BE INSTALLED PRIOR TO ANY GRADING WORK IN THE AREA TO BE PROTECTED. THEY SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD AND REMOVED IN CONJUSTION WITH THE FINAL GRADING.

4.) FILTER FABRIC SHALL MEET THE REQUIREMENTS OF MATERIAL SPECIFICATION 592 GEOTEXTILE TABLE 1 OR 2, CLASS T WITH EQUIVALENT OPENING SIZE OF AT LEAST 30 FOR NONWOVEN AND 50 FOR WOVEN.

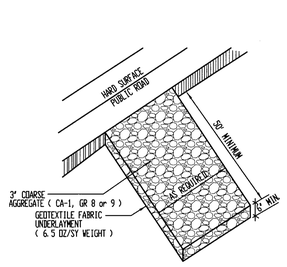
5.) FENCE POST SHALL BE EITHER STANDARD STEEL POST OR WOOD POST WITH A MINIMUM SECTIONAL AREA 3.0 SQ. IN.

6.) THE MESH SUPPORT MAY BE OMITTED IF A MAXIMUN OF 5' IS USED FOR POST SPACING.



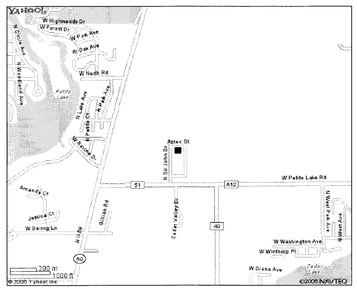
Fabric Anchor Detail:

(N.T.S.)



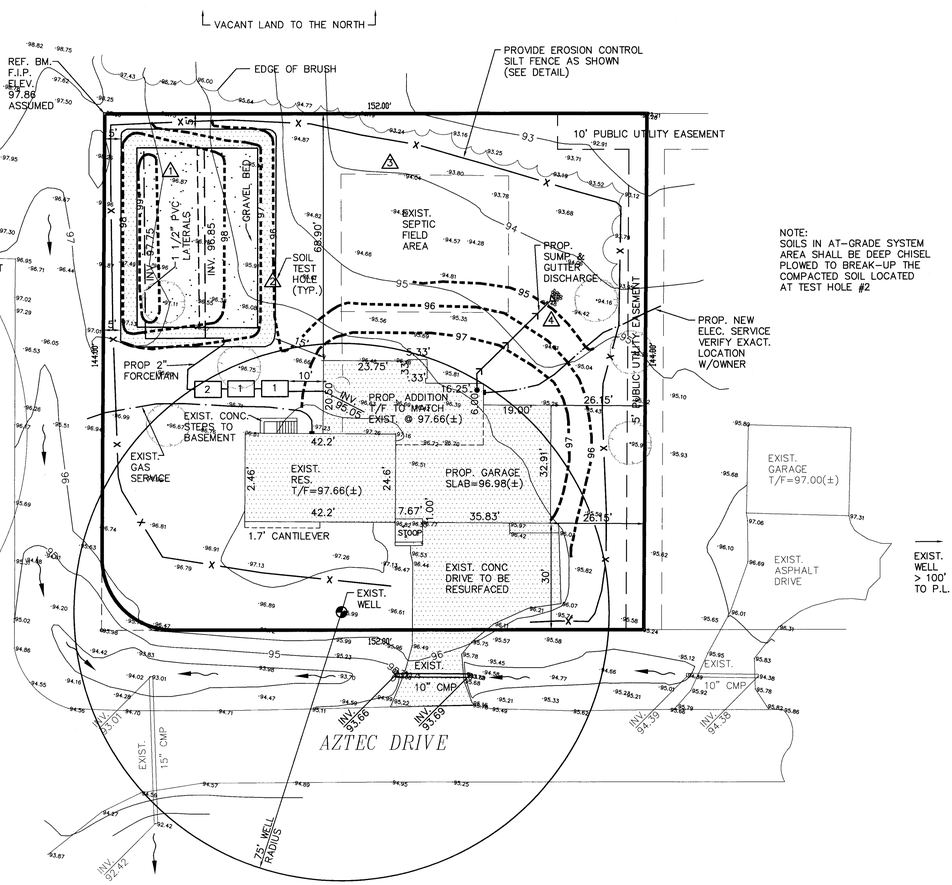
Aggregate Construction Entrance:

(N.T.S.)



Site Map

(N.T.S.)



Low Pressure Pipe Calc:

GRAVEL BED #	BED LENGTH	LATERAL ELEV.	ELEV. DIFF.	IN-LINE PRESS	LAT. DIS. RATE	PERF. DIAM.	PERF. DIS. RATE	PERF. PER LAT.	PERF. SPACE	ACTUAL DIS. RATE
ONE	50'	97.75	0.00	2.00	10.5	3/16"	.59	18	2.7'	10.62
TWO	50'	96.85	1.00	3.00	10.5	3/16"	.72	15	3.3'	10.80

System Discharge Rate 21.24 GPM

REV.	DATE	DESCRIPTION

Alberts Land Design, Inc.

SEPTIC SYSTEMS: DESIGN & INSTALL

PO BOX 1048
Lake Villa, IL. 60046

(847) 245-2139 phone
(847) 245-2122 fax
Email: stevealberts1@sbcglobal.net

Professional Design Firm Lic. No. 184-004822

DRAWN BY:	P.J.D.	CHECKED BY:	S.A.	PROJ. NO.	07306	DATE	11/6/06