

NOTES : 1. The Contractor Shall Verify the Following Before Starting:
Finish Floor Elevations and House Size.
Location and elevation of existing utility connections.
2. Contractor Shall Contact OUPS at least 2 Working
Days Prior to Construction, 1-800-362-2764.

1234.74'

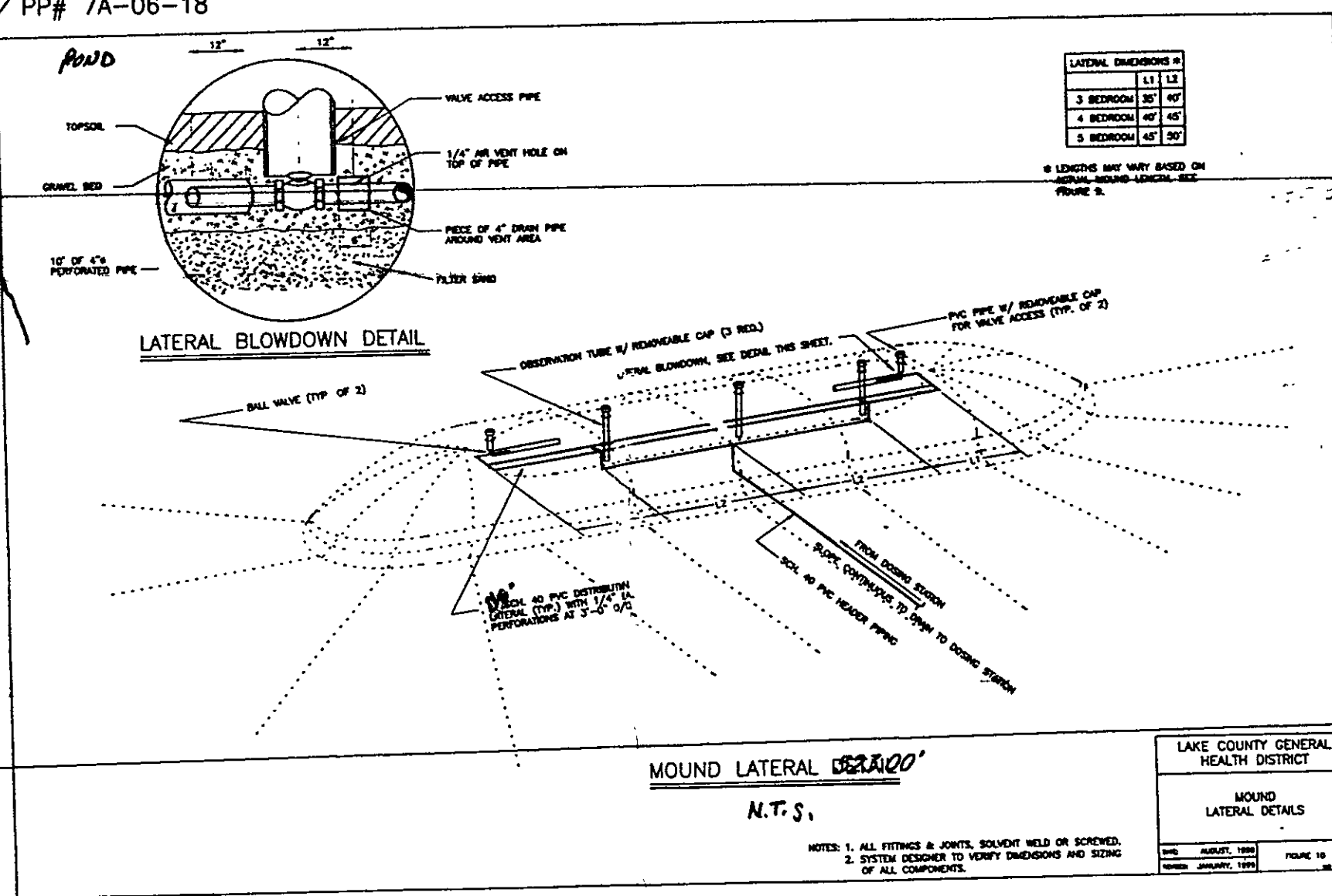
1522.95'

N 88°58'20" E 804.06'

S88°58'20"W

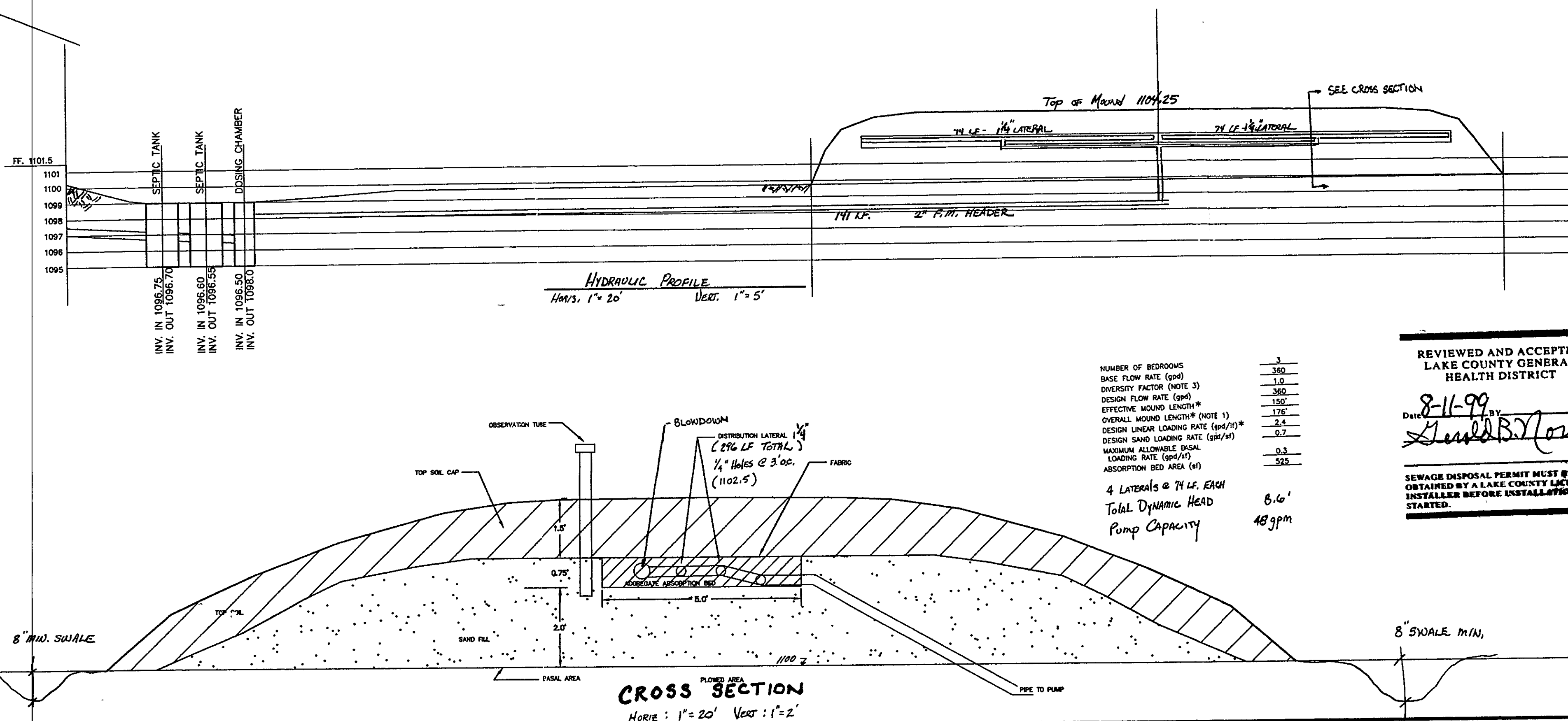
5/8" PIN FD.

Michael J. Koharchik
V.657 PG.842
PP# 7A-06-18



James L. &
Sandra B. Coakley
V.285 PG.719
PP# 7A-06-03

SCALE : 1" = 40'



REVIEWED AND ACCEPTED
LAKE COUNTY GENERAL
HEALTH DISTRICT

8-11-99
Date
Sandra B. Coakley

SEWAGE DISPOSAL PERMIT MUST BE
OBTAINED BY A LAKE COUNTY LICENSED
INSTALLER BEFORE INSTALLATION BE
STARTED.

NUMBER OF BEDROOMS 3
BASE FLOW RATE (gpd) 360
DIVERSITY FACTOR (NOTE 3) 1.0
DESIGN FLOW RATE (gpd) 360
EFFECTIVE MOUND LENGTH* 150'
OVERALL MOUND LENGTH* (NOTE 1) 176'
DESIGN LINEAR LOADING RATE (gpd/ft)* 2.4
DESIGN SAND LOADING RATE (gpd/ft) 0.7
MAXIMUM ALLOWABLE DISCH. 525
LOADING RATE (gpd/ft) 0.3
ABSORPTION BED AREA (sq ft) 525

4 LATERALS @ 74 LF. EACH
Total Dynamic Head 8.6'
Pump Capacity 48 gpm

5/8" PIN FD.

5/8" PIN SET

5/8" PIN SET

523.00'

5/8" PIN FD.

KNIFFEN ROAD 60' R/W

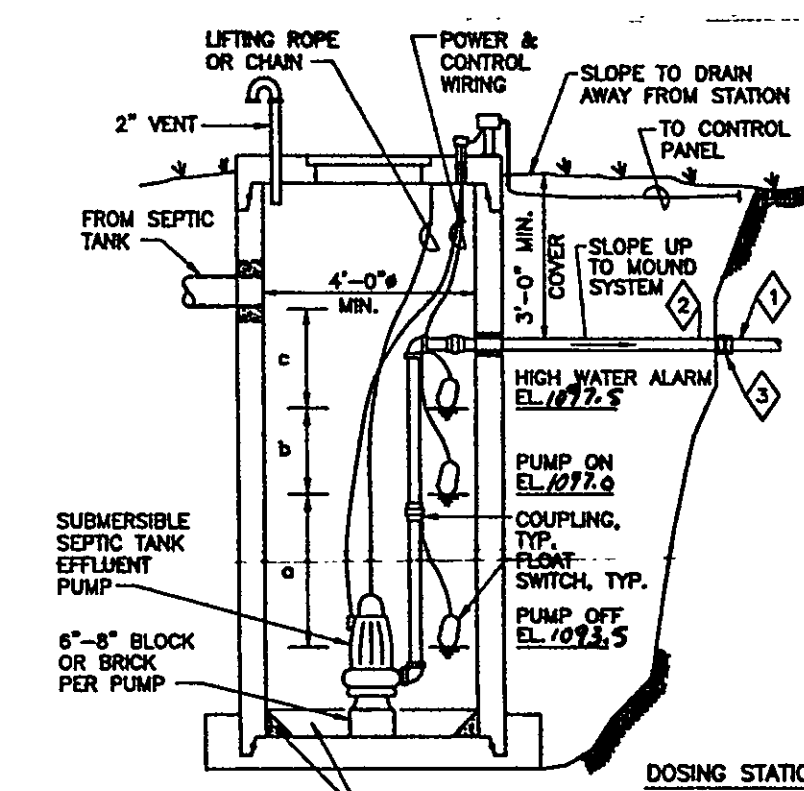
NOTES:

- DESIGN STATION AND BASE TO PREVENT FLOTATION IN AREAS OF HIGH GROUND WATER.
- ALL JOINTS AND PENETRATIONS SHALL BE WATER-TIGHT TO PREVENT INFILTRATION OF GROUND/SURFACE WATER.
- STATION PUMP SHALL BE DESIGNED TO DOSE THE MOUND BETWEEN 4-8 CYCLES.
- FORCE MAIN, DISTRIBUTION LATERAL DESIGN AND DETAILED STATION INCLUDING DIMENSIONS, AND ELEVATIONS SHALL BE SUPPORTED BY CALCULATIONS AND OTHER APPROPRIATE DOCUMENTATION IN PLAN SUBMITTALS.
- INSTALLATION SHALL MEET ALL APPLICABLE CODES/CRITERIA.
- CONTROL PANEL WITH VISUAL AND AUDIBLE HIGH LEVEL ALARM SHALL BE LOCATED IN THE GARAGE, BASEMENT OR OTHER SUITABLE INDOOR LOCATION.
- SPECIAL CONSIDERATION SHALL BE GIVEN WHEN DESIGNING A DOWNHILL PUMPING APPLICATION TO PREVENT SIPHONING. PROVIDE A BLEEDER HOLE TO PREVENT SIPHONING.
- WET WELL CAPACITY TO ACCOUNT FOR PIPING DRAINING BACK TO DOSING STATION.
- THE FOLLOWING TABLE INDICATES THE NECESSARY VOLUME CAPACITY BETWEEN FLOATS:

LOCATION	RECOMMENDED MINIMUM VOLUME CAPACITY
BETWEEN PUMP OFF FLOAT & WARNING PUMP	.75*DDF+DPV (a)
BETWEEN WARNING PUMP FLOAT & HIGH WATER ALARM FLOAT	.25*DDF+DPV (b)
ALARM FLOAT TO THE DOSING CHAMBER INLET	DDF (c)

DDF - DAILY DESIGN FLOW
DPV - DISCHARGE PIPE VOLUME

- SCHD. 40 PRESSURE RATED ADAPTER COUPLING.
- SCHD. 40 GALV. STL. ACROSS EXCAVATION.
- SCHD. 40 PVC OR OTHER APPROVED PRESSURE PIPE AND FITTINGS MATERIAL.



LAKE COUNTY GENERAL
HEALTH DISTRICT

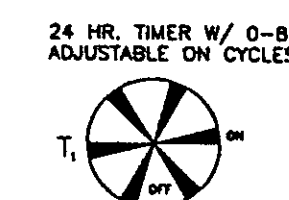
LAKE COUNTY MOUND SYSTEM
DOSING STATION

DATE: AUGUST, 1998
REVISED: JULY, 1999

FIGURE 11

Grading as shown
THOMAS Lake C

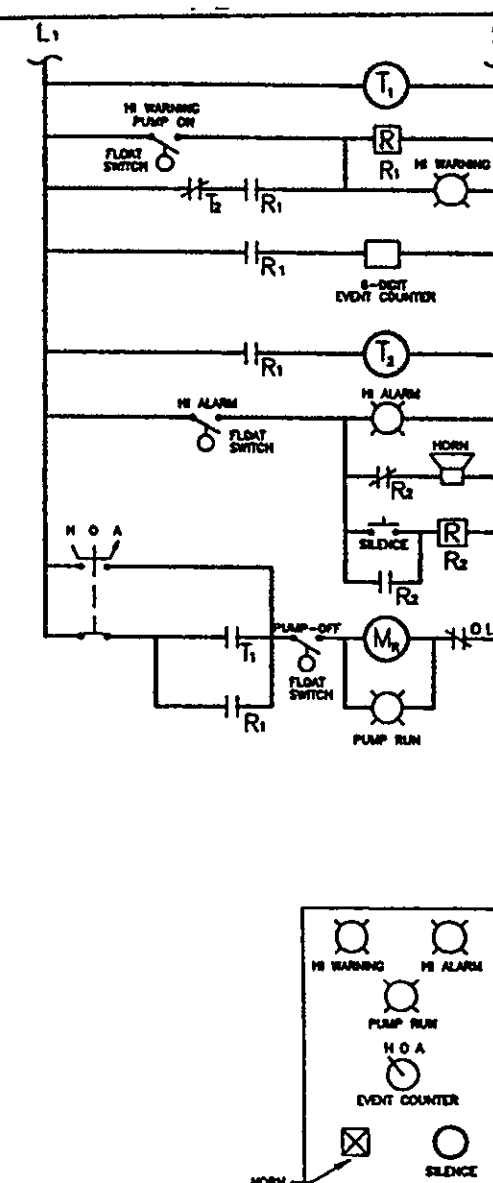
By
Sump Pump



REPEAT CYCLE TIMER (T2) ADJUSTABLE TO DOSE UP TO ONE NORMAL CYCLE DOSE VOLUME. T2 CONTACTS OPEN/CLOSE WHEN TIMED OUT.

MOTOR STARTER RELAY OR ACROSS THE LINE STARTER DEPENDING ON PUMP MOTOR CHARACTERISTICS.

MOUNT PANEL IN GARAGE, BASEMENT OR OTHER SUITABLE INDOOR LOCATION. ALL WIRING AND DEVICES SHALL MEET APPLICABLE CODES.



PUMP CONTROL PANEL

LAKE COUNTY GENERAL
HEALTH DISTRICT

DOSING PUMP STATION
ELECTRICAL SCHEMATIC

DATE: AUGUST, 1998
REVISED:

FIGURE 12

SIT
LAKE
for: BRENDA LETTI
client

subdi
plat
sublot no.