JERRY SLAY, Ohio Surveyor 5298
PHONE: 993-7209

TOPOGRAPHICAL SURVEY
PART OF LOT 11, TRACT 3, CONCORD TWP.
LAKE COUNTY, OHIO

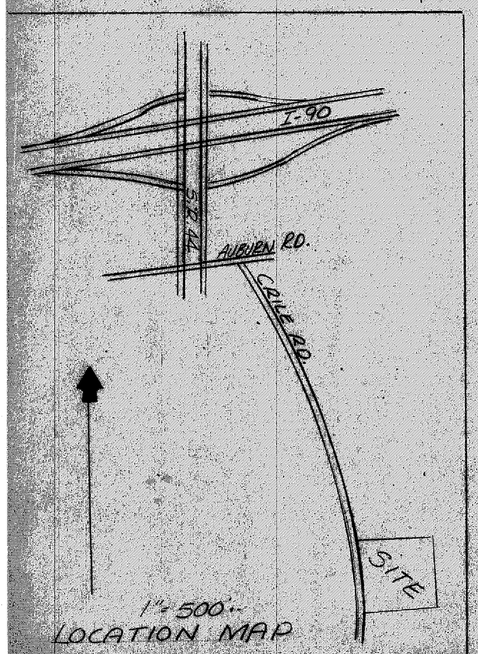
MARCH, 1985

NO Water wells within 100' of Property Lines OTHER THAN ONE SHOWN.

Grading Plan Approved as shown and/or noted
THOMAS P. GILLES, P.E.
Lake County Engineer
By _____ Date 7-8-85

24' TO LOOP 25' AROUND BLDG.
6"
2½" 403 ASPHALT
12" 304 AGGREGATE BASE
ROAD CROSS SECTION

1"= 30'



1"= 500'
LOCATION MAP

LANDS OF CAROLINE N. LUHTA
807-862

I.P FD.
N 86°47'40"E
652.41
I.P FD.
972
970
972.0
971.6
+971.2
EXISTING WELL
B.M. R.R. SPIKE IN EAST SIDE 12" TREE, Elev. 973.0
225'
971.75
24' ASPHALTIC CONCRETE
10 PARKING SPACES
971.5
971.6
18' Asphalt Pvmt.
R = 4467.18
N 13°13'56"W
CH. 128.80
128.82
EP 971.6
12" CMP
FL 970.28
CHILLICOTHE ROAD
N 19°19'20"W
210.74
N 08°35'22"W R=4467.18
180.64
22'
84'
20
SEPTIC TANK 1
SEPTIC TANK 2
DOSING TANK
Cleanout
10'
100
TWO 2" PVC LINES
TRASH BIN
T.H.
6' DEEP NO ROCK
T.H.
6' DEEP NO ROCK
SUBSURFACE FILTER
PROPOSED 11,990 Sq. Ft. INDUSTRIAL PLANT
FINISHED FLOOR 974.00
2100 sq. ft. Office Space
PART 10
30'
70'
120'
5'
971.6
971.6
971.7
971.2
25' ASPHALT DRIVE AROUND BLDG.
CURTAIN DRAIN AROUND FILTER & E.T. FIELD
OUTLET
DUPLICATE AREA E.T. FIELD FUTURE
TRACT 3
TRACT 2
LOT 11
I.P. FD.
968
508.58'
S 00°45'00"E
NORTH
NO POND BERM
PROPOSED POND SITE
WATER EL.= 967.0
967.5
967.0
968
20' SPILLWAY EL. 967.0
966.7
0.3%
Proposed Ditch
15'
966.4
966.1
532.99
S 86°40'45"W
I.P. FD.
To Rd. Ditch & Stream South of R.
I.P. FD.
LANDS OF BRUCE O. BEATY
1651 MENTOR AVENUE
PAINESVILLE, OHIO 44077
General Records 63-1068
6.848 Ac.
LANDS OF DON E. UNGER
796-233
Ditch Section
2:1
2:1
2'

ZONING PERMIT # 5020
ISSUED 6-21-85
SUBJECT TO APPROVAL BY:
Lake County Sanitary Eng. ☐
Lake County Eng. Dept. ☒
Lake County Planning Comm. ☐
Lake County Bldg. Dept. ☒
Tena L. Mariano

GENERAL NOTES

1. Septic Tanks: Septic tanks shall be of reinforced, precast concrete generally conforming to the dimensions shown on the drawings. The manufacturer shall reinforce the tanks with new reinforcing steel such that the tanks are structurally able to withstand earth pressures at the depths shown on the plans. The tanks shall be placed in the excavation on a prepared bottom which is level and has at least 6 inches of compacted bankrun gravel with no stone larger than 1.5 inches in diameter.

2. Dosing Tank: The dosing system is supplied with duplex alternating pumps. The filter dosing tank wet well shall be made of precast concrete manhole sections conforming to ASTM C-478 with joints conforming to ASTM C-443. The wet well top shall be a manhole flat lid with a hageway cast in-place according to dimensions shown and with the hatch frame cast in-place. The pumps shall be two (2) submersible pumps, model 3V 40 with 0.4 HP, 1 shafe phase 115 volt electric motors capable of pumping 40 gpm at 19.8 TDH as manufactured by Hydromatic Pump Company or equal. The pumps shall be capable of passing a 1.5 inch spherical solid. The pump shall be equipped with a power cord long enough to reach from the operating position to the control panel without splice or junction box inside of the wet well. The liquid level of the wet well shall be controlled by mercury floats model 3900 as manufactured by Hydromatic Pump Company or equal. The floats and controls shall operate in this manner such that the lowest float trips off all pumps, the middle float activate the lead pump, and the highest float shall activate the lag pump and the flashing high water alarm light. The pump controls shall alternate the operation of the pumps between the lead and lag positions and shall be contained in a NEMA III enclosure mounted on a pedestal on top of the wet well. All metal parts of the dosing tank, not otherwise protected, shall be shop painted with metal primer and shall be field painted with two coats of metal finishing paint. The discharge pipes from the dosing tank to the filters shall be two (2") inch diameter and shall conform to ASTM D-2241 SDR 21.

3. Subsurface Filter: All pipe used in the subsurface filter shall conform to ASTM D-3034 SDR 35. The filter sand shall have an effective size between 0.40mm and 1.00mm and shall have a uniformity coefficient not greater than 3.00. All other materials shall be as shown on the drawings.

4. Evapo-transpiration Field (E.T. Field): The pipe used in the E.T. field shall conform to ASTM D-3034, SDR 35 and shall be placed as shown on the drawings. Markers shall be installed around the perimeter of the field to prevent vehicles from driving or parking thereon.

5. Perimeter Drain (Curtain Drain): A perimeter drain shall be installed surrounding the subsurface filter and the E.T. field. The perimeter drain shall not be installed closer than ten (10) feet to any of the trenches or pipelines of either the filter or the E.T. field.

6. A cleanout shall be provided at each change in alignment in the gravity sewer.

[970] = FINAL GR. - Add 900