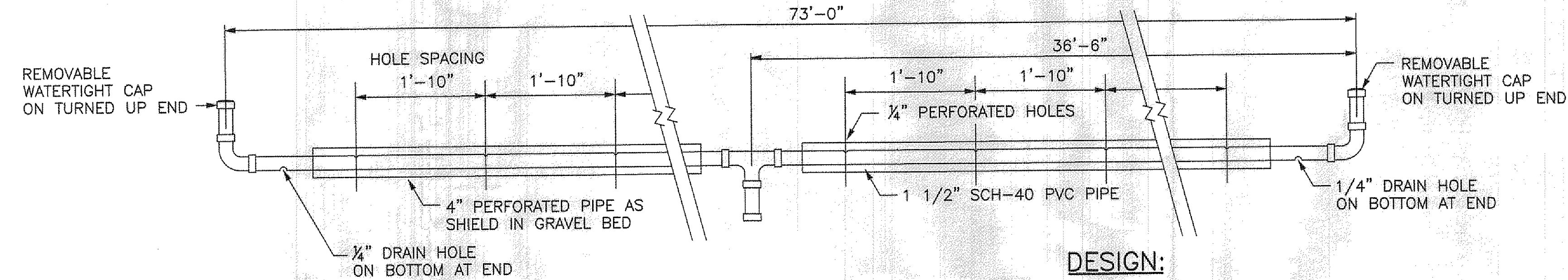


GENERAL NOTES:

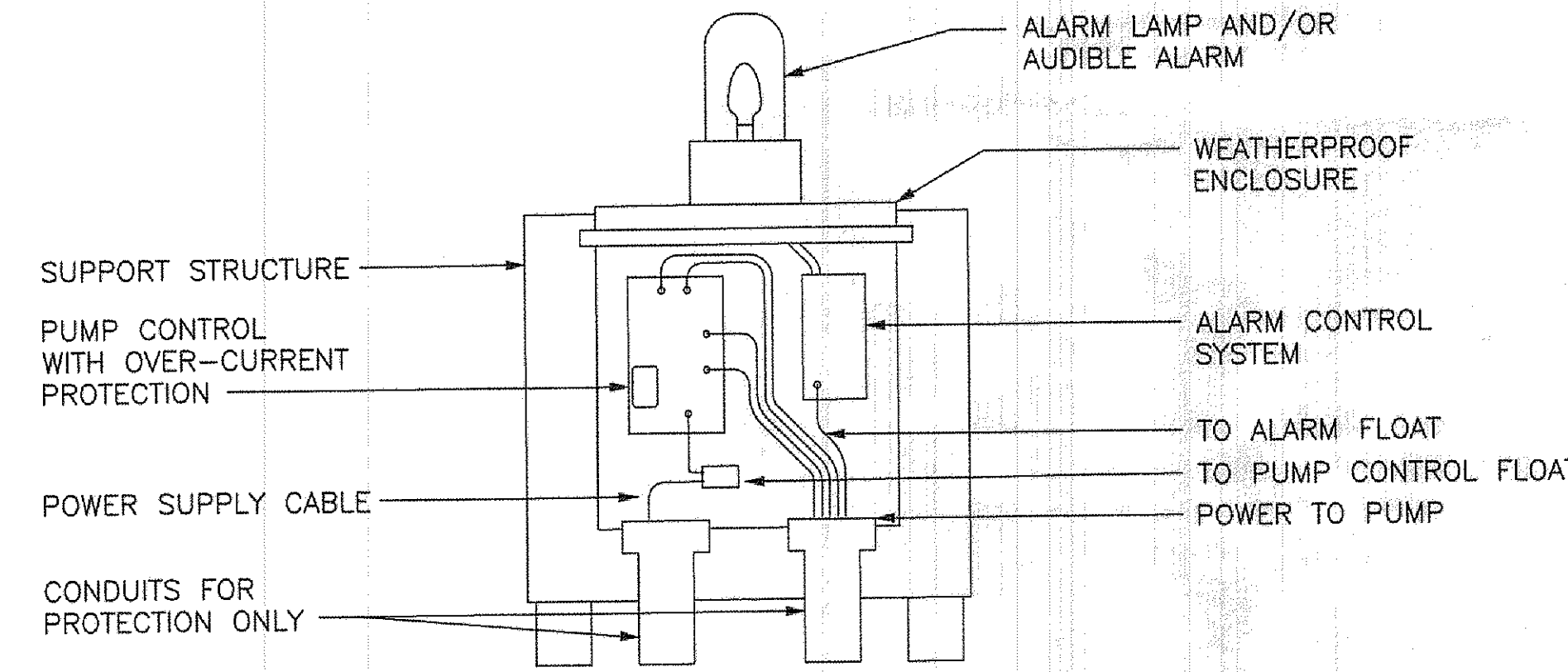
- 1) ALL INSTALLATION AND CONSTRUCTION TECHNIQUES SHALL CONFORM TO COUNTY CODES AND OHIO DEPARTMENT OF HEALTH "SEWAGE TREATMENT SYSTEM RULES" PERTAINING TO ON SITE SEWAGE SYSTEMS AND THE PERMIT FOR THIS SITE.
- 2) ALL PVC PIPE AND FITTINGS SHALL BE PVC SCH 40 TYPE 1 RATED FOR PRESSURE APPLICATIONS. ALL GLUED JOINTS SHALL BE CLEANED AND PRIMED PRIOR TO BEING GLUED.
- 3) AREAS FOR DISTRIBUTION FIELD AND REPLACEMENT AREAS SHALL BE STAKED AND ROPED OR FENCED OFF TO PREVENT ACCESS DURING ALL CONSTRUCTION ACTIVITIES ON THE SITE. NO PARKING OR MATERIAL STORAGE IS PERMITTED IN AREAS DESIGNATED FOR THE DISTRIBUTION FIELD. NO HEAVY EQUIPMENT SHALL BE OPERATED OVER THE DISTRIBUTION FIELD.
- 4) AREAS DESIGNATED FOR INSTALLATION AND REPLACEMENT SHALL BE UNDISTURBED AND BE PROTECTED FROM DAMAGE OR DISTURBANCE. ANY DISTURBANCE OR DAMAGE TO THESE DESIGNATED AREAS MAY RESULT IN THE INVALIDATION OF THIS DESIGN PLAN IF ANY DISTURBANCE OR DAMAGE HAS OCCURRED. INSTALLATION SHALL NOT PROCEED AND THE REGISTERED INSTALLER SHALL CONTACT THE OWNER AND THE BOARD OF HEALTH.
- 5) ANY SAND FILL USED SHALL MEET ASTM C 33 SPECIFICATIONS AND THE SPECIFICATIONS LISTED IN CHAPTER 3701-29-13 OF THE OHIO ADMINISTRATIVE CODE.
- 6) THE BUILDING SEWER SHALL BE 4" SCH 40 WITH A MINIMUM SLOPE OF 1/4" PER FOOT. THERE SHALL BE NO BENDS GREATER THAN 45 DEGREES. CLEAN-OUTS SHOULD BE PROVIDED EVERY 100 FEET. FOR CONSTRUCTION TECHNIQUES REFER TO THE "SEWAGE TREATMENT SYSTEM RULES".
- 7) AN "AS-BUILT" RECORD OF THE INSTALLATION IS REQUIRED FROM THE REGISTERED INSTALLER. INSTALLER SHALL CONSULT WITH DESIGNER FOR ANY INTENDED CHANGES PRIOR TO AND AFTER CONSTRUCTION TO INSURE AN ACCURATE AS-BUILT PLAN.



PIPE SIZE AND HOLE SPACING
1/2 SYSTEM

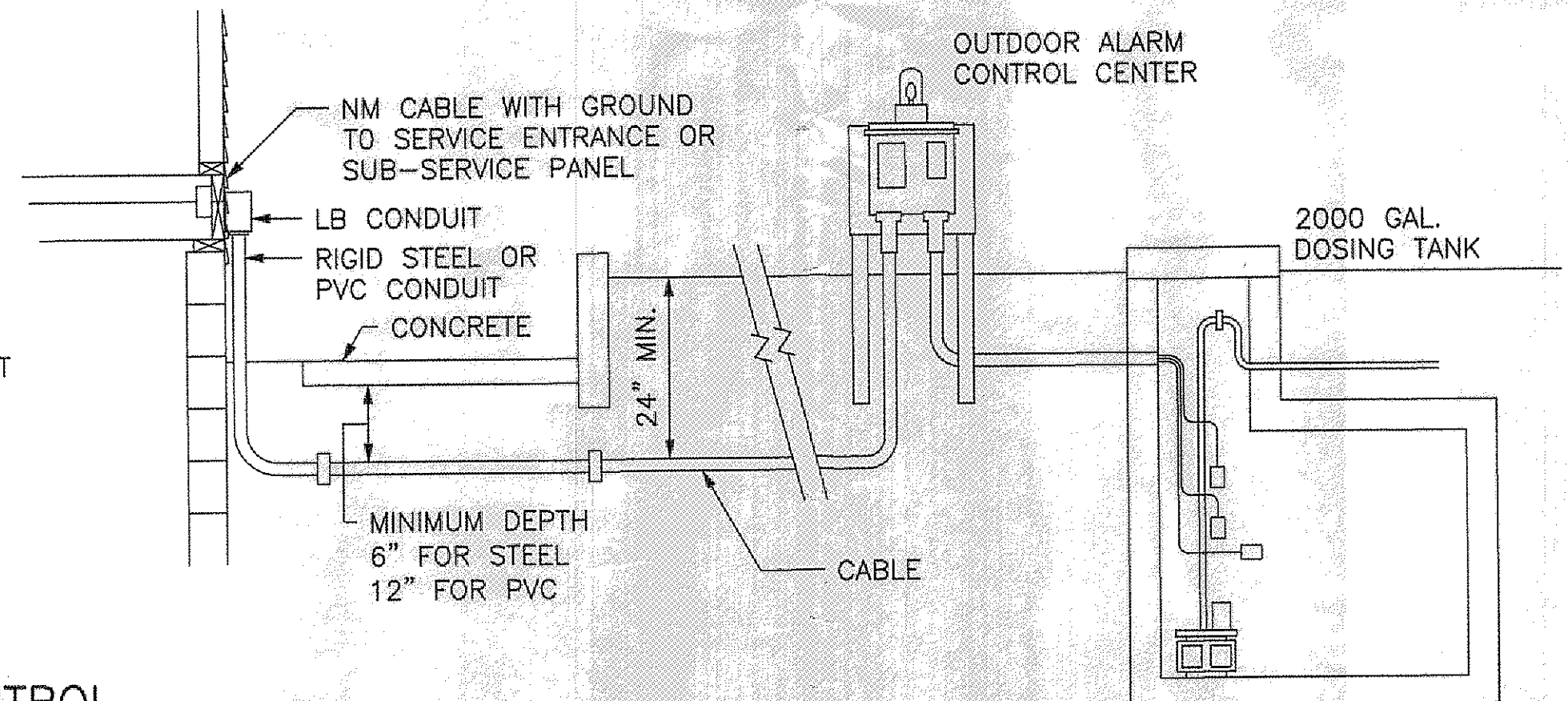
DESIGN:

SELECTED PARAMETERS
HOLE DIAMETER: 1/4 INCH
TOTAL NUMBER OF HOLES: 80 HOLES
EACH SECTION IS 36'-6" (1/4 SYSTEM)
NUMBER OF HOLES PER SECTION: 20 HOLES
HOLE SPACING: 1'-10"



OUTDOOR ALARM CONTROL CENTER WITH BUILT-IN PUMP CONTROL

LOCATE THE CONTROL CENTER IN A WEATHERPROOF ENCLOSURE MOUNTED TO A TREATED WOOD OR STEEL POST NEAR THE ENTRANCE TO THE DOSING TANK. A TYPICAL OUTDOOR PUMP AND ALARM CONTROL CENTERS ARE SHOWN. IT IS IMPORTANT TO USE WIRE, CONNECTORS AND WEATHERPROOF ENCLOSURES APPROPRIATE FOR OUTDOOR USE. A PUMP MOTOR RELAY WITH BUILT-IN MOTOR OVER-CURRENT PROTECTION IS SHOWN ABOVE. THE PUMP MOTOR START AND STOP SWITCHES CONTROL THE RELAY COIL CURRENT. CONDUIT IS SHOWN FOR PHYSICAL PROTECTION OF THE CONDUCTORS AND CABLES ENTERING AND LEAVING THE BOX.



WIRING MATERIALS

REQUIRED BURIAL DEPTHS FOR BRANCH CIRCUITS (AFTER 2005 NATIONAL ELECTRIC CODE, SECTION 300.5)			
	CABLE	RIGID METAL CONDUIT	NON-METAL CONDUIT
DIRECTLY IN SOIL	24"	6"	18"
UNDER RESIDENTIAL DRIVE	18"	18"	18"
UNDER 4" CONCRETE SLAB NO VEHICLE TRAFFIC	18"	4"	4"

OBSERVATION TUBES

OBSERVATION TUBES SHALL EXTEND FROM THE INFILTRATE SURFACE (AGGREGATE / SAND INTERFACE FOR MOUND) TO OR ABOVE THE GROUND SURFACE TO OBSERVE PONDING AT THE INFILTRATE SURFACE. TUBES SHALL BE PLACED AT APPROXIMATELY 1/4 AND 3/4 POINTS ALONG THE LENGTH OF THE ABSORPTION AREA. THE BOTTOM 4" MUST HAVE PERFORATIONS IN THE SIDES TO ALLOW PONDED EFFLUENT TO ENTER AND EXIT. PONDED EFFLUENT WILL NOT ENTER FROM THE BOTTOM OF THE PIPE.

SHOWN BELOW ARE 3 METHODS OF ANCHORING THE OBSERVATION TUBES.

