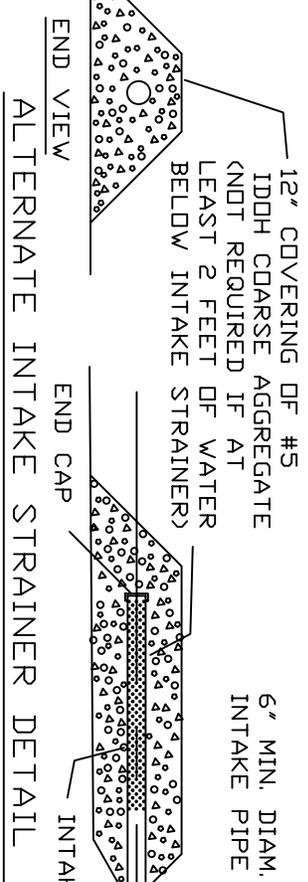
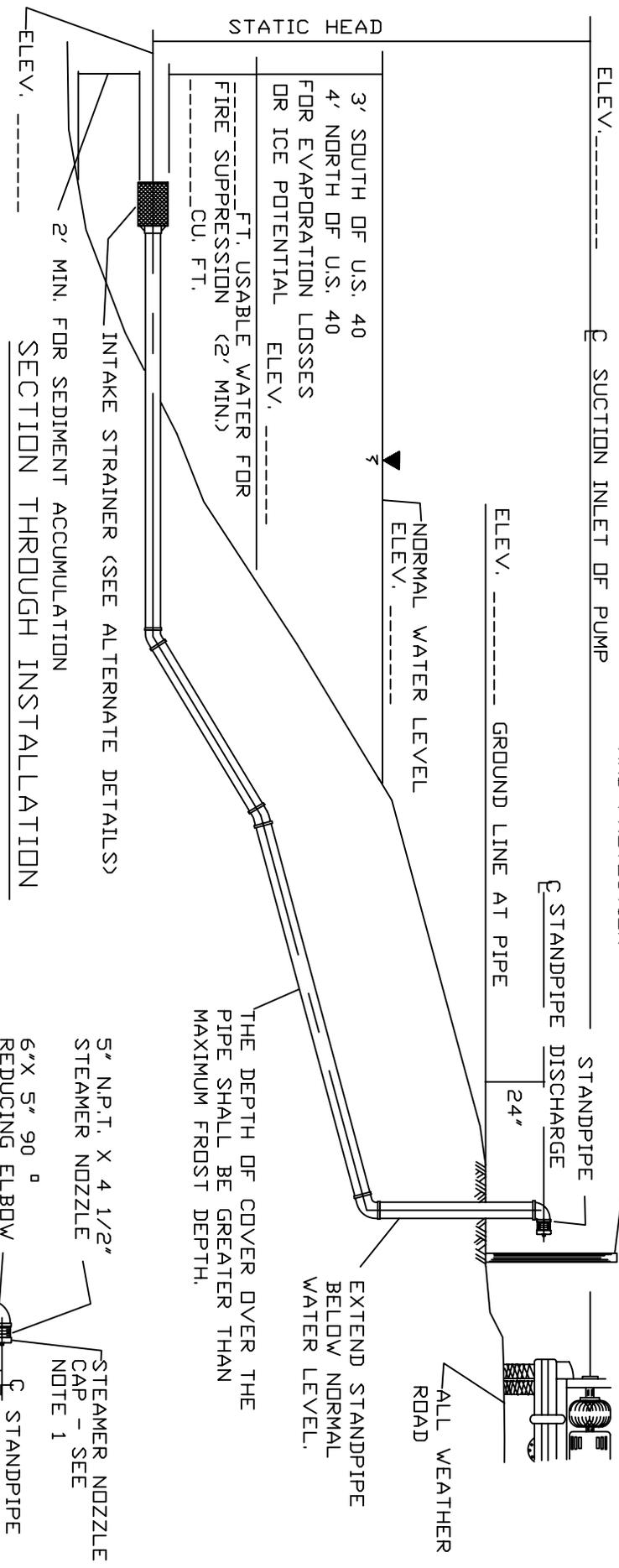


PROVIDE POST FOR IDENTIFICATION AND PROTECTION



NOTES:
 1 - CHECK WITH LOCAL FIRE DEPARTMENT FOR APPROVED TYPE OF CONNECTIONS AND STRAINERS.
 2 - USE 20' LENGTH SECTION OF PIPE INTO WATER. JOINTS SHALL BE SOLVENT-CEMENT WELDED
 3 - INTAKE STRAINER CAN BE WELL SCREEN WITH MINIMUM OPENINGS OF 4 TIMES AREA OF PIPE OR DRILL HOLES AS SHOWN IN CHART IN BOTTOM 2/3 OF PIPE. DO NOT DRILL HOLES IN TOP 1/3 OF PIPE. COMMERCIAL MANUFACTURED STRAINERS FOR FIRE PROTECTION SYSTEMS MAY ALSO BE USED.

DETAILS OF DRY FIRE HYDRANT INDIANA
 U. S. DEPARTMENT OF AGRICULTURE
 NATURAL RESOURCES CONSERVATION SERVICE

PIPE SIZE	NUMBER OF HOLES FOR 4 TIMES AREA OF PIPE		MINIMUM LENGTH
	0.625"	0.75"	
6"	365	257	143
8"	655	455	256
10"	1024	711	400
12"	1475	1024	576

*BASED ON HOLE SPACING = 2 HOLE DIAMETERS
 NOT TO SCALE
 APPROVED BY: _____
 DATE: _____
 DRAWN BY: _____
 DATE: _____
 CHECKED BY: _____
 DATE: _____

GENERAL

Construction operations shall be carried out in such a manner and sequence that erosion and pollution potential will be minimized. Ideally, a dry hydrant should be installed during the initial construction of a pond.

The completed job shall present an appearance of good workmanship and shall conform to the lines, grades, and elevations shown on the drawings.

All operations shall be carried out in a safe and skillfull manner. Safety and health regulations shall be observed and appropriate safety measures used.

SITE PREPARATION

All trees, stumps, brush, and similar materials are to be removed from the construction area and disposed of in a manner consistent with environmental concerns and proper functioning of the structure.

EXCAVATION

To the extent needed, all suitable materials removed from the specified excavation shall be used in the backfill for the dry hydrant and connecting pipe. All excess material shall be spread adjacent to the structure, sloped to drain and vegetated or otherwise disposed of in an acceptable manner.

CONSTRUCTION TOLERANCES

Dry hydrant dimensions and elevations: +0.1_foot
Connecting Pipe length: +2.0 feet
Connecting Pipe elevations: +0.2_feet

FINISH AND CLEANUP

The area and designated spoil areas will be finished in a relatively smooth condition ready for seeding. All rocks 3 inches in diameter or larger and roots shall be removed from the surface areas.

VEGETATIVE ESTABLISHMENT

All disturbed areas shall be vegetated unless otherwise protected from erosion..

Apply lime to raise the pH to ____ at a rate of _____ tons per acre, if required.

Fertilize according to soil test recommendations or at a rate of 500 pounds of 12-12-12 fertilizer (or equivalent) per acre as soon as the basin has been installed if within seeding dates.

Work the fertilizer and lime into the soil to a depth of 2 - 3 inches with a harrow , disk or hand tools. Seeding will be done at the following rates:

Seed _____ at _____ lbs/acre
_____ at _____ lbs/acre

Dormant seeding may be done between December 10 and February 28. Liming, fertilizing, seedbed preparation and mulching may be done at the end of construction ahead of the dormant seeding. The seed may be broadcast on top of the mulch with a 50% increase in rate.

Apply mulch at the rate of _____ tons of straw per acre.

OPERATION AND MAINTENANCE

System must be checked and pump tested upon completion to verify system capacity and condition.

Perform regular pump test and back flushing on at least an annual basis or as per NFPA recommendations. Records and schedules should be coordinated with local fire department training and testing needs.

Maintain access to dry hydrant free of debris and woody vegetation. Keep the all-weather road clear of snow and debris and in good repair.

Maintain area in pond around intake strainer free from floating debris and all pond vegetation that could become lodged in the strainer during pumping. Water weeds must not be allowed to plug the inlet of the pipe.

COOPERATOR _____			
_____ COUNTY SWCD, INDIANA			
LOCATION _____			
DRY FIRE HYDRANT SPECIFICATIONS			
INDIANA			
U. S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE			
Designed	J. SELL E. BLOOM	11-95 10-88	Approved By _____
Drawn	G. GOLDMAN	11-95	Title _____
Traced	_____	_____	Title _____
Checked	_____	_____	Sheet _____ No _____ of _____
			Drawing No. _____