

ELEVATION

DIMENSIONS:

- D = _____ (ft)
- H = _____ (ft)
- L = _____ (ft)
- Elev. A = _____
- Elev. B = _____

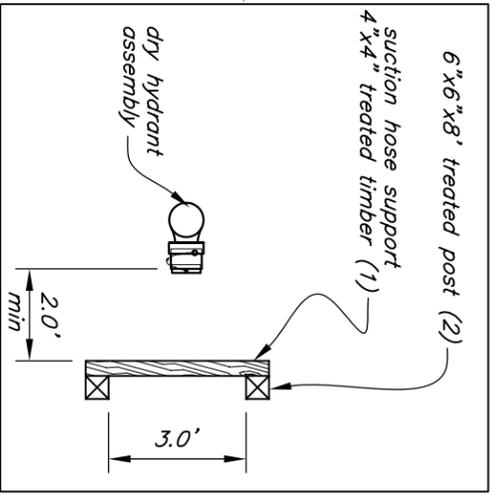
Dry hydrant head assembly includes tee with air vent, 2 inch gate valve, 6 inch dry hydrant head, strainer, snap ring, snap-on cap with stainless steel wire rope, and suction hose adapter, and shall conform to ASTM 2466 Schedule 40.

THIS INSTALLATION DESIGNED FOR _____ gpm

GENERAL NOTES

1. This drawing requires supporting technical documentation prior to use and must be adapted to the specific site.
2. Contractor is responsible for locating, disconnection, reconnecting services to any utilities encountered and will obtain all required permits prior to installation. Services will be restored ASAP.
3. Pump site shall be at an elevation that will ensure the suction inlet of pump on truck is above the dry hydrant head assembly.
4. All disturbed area shall be vegetated in accordance with NRCS Standards and Specifications for critical area treatment.
5. All PVC piping or fittings exposed to sunlight shall be primed and painted with reflective material.
6. A 6 inch NHT (American National Fire Hose Thread) dry hydrant head will be utilized to make connection to the fire truck hose. The sleeve will be made of brass or aluminum and it will be permanently attached to PVC pipe with stainless steel bolts and epoxy adhesive.
7. All hydrants shall contain a removable head strainer and stainless steel snap ring that can be removed w/o special tools. The strainer shall be conical in shape to maximize strainer area. All hydrants use a rubber "O" ring between the threaded sleeve and PVC pipe.
8. Dry hydrant caps shall be snap on/snap off design and removable w/o special tools. It shall be permanently attached to head with a chain or cable. The cap shall be either plastic or brass.

PLAN VIEW OF POST PROTECTION

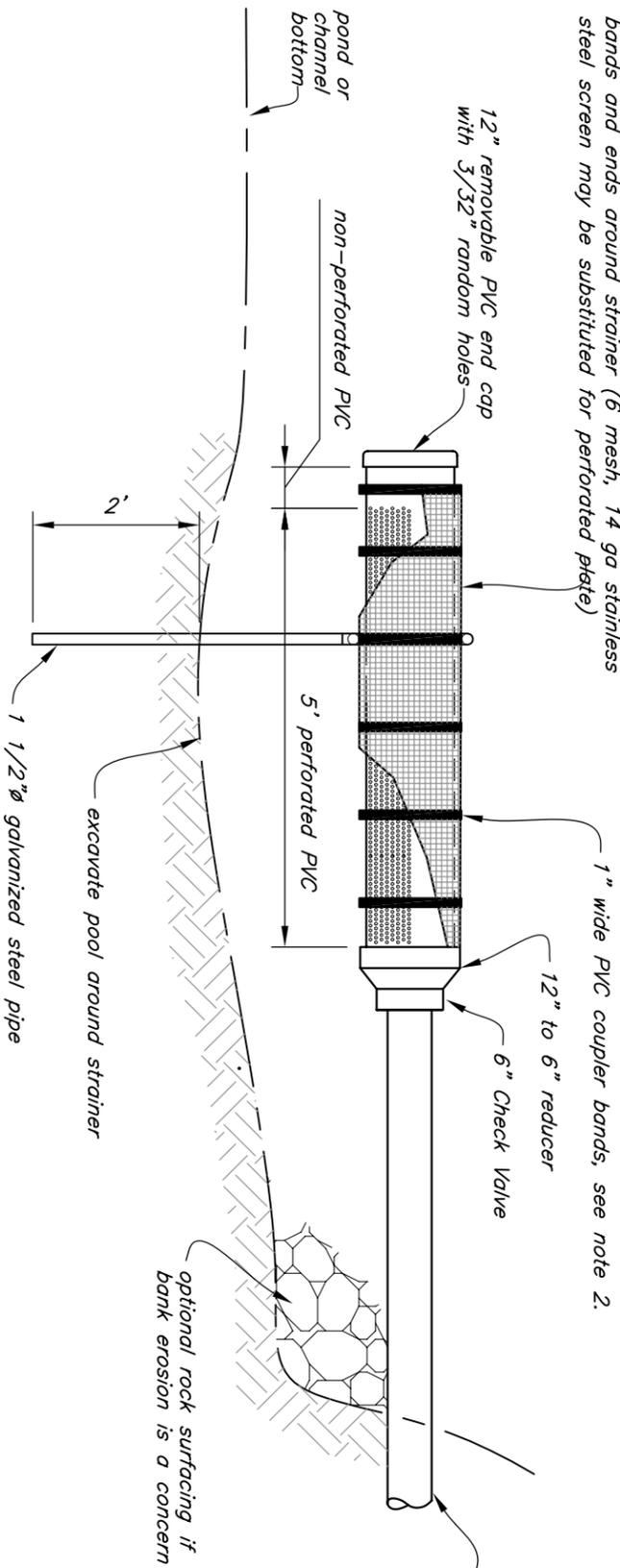


DRY HYDRANT

Designed _____	Date _____
Drawn KLY _____	5/2006
Checked _____	_____
Approved _____	_____
Title _____	_____



18 ga perforated plate with 3/32" holes, clamp on bands and ends around strainer (6 mesh, 14 ga stainless steel screen may be substituted for perforated plate)



1" wide PVC coupler bands, see note 2.

12" to 6" reducer

6" Check Valve

6" Pipe to Hydrant

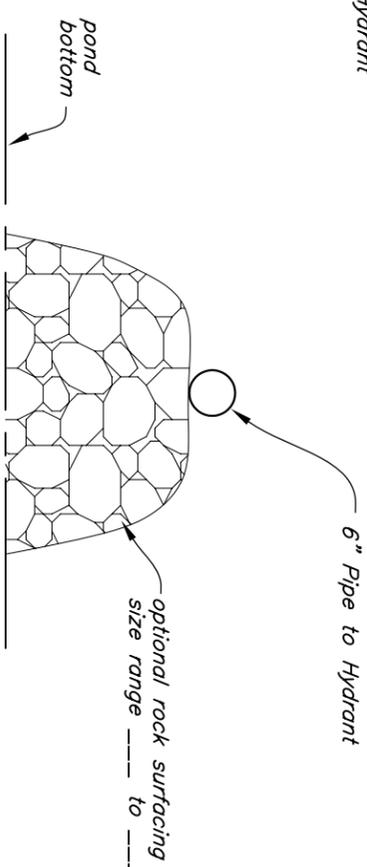
optional rock surfacing if bank erosion is a concern

excavate pool around strainer

1 1/2" ϕ galvanized steel pipe

INTAKE STRAINER DETAIL

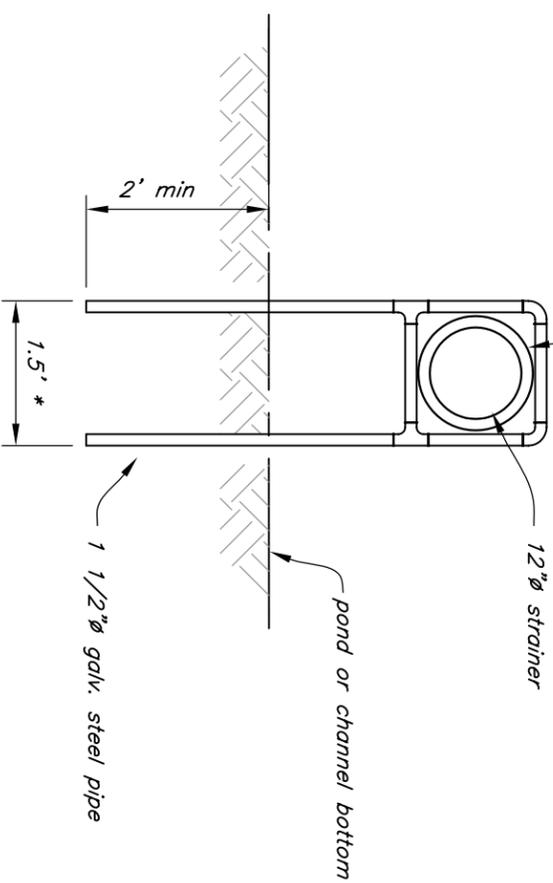
OPTIONAL BANK EROSION PROTECTION



6" Pipe to Hydrant

optional rock surfacing size range --- to ---

18 ga perforated plate with 3/32" holes, clamp on bands and ends around strainer (6 mesh, 14 ga stainless steel screen may be substituted for perforated plate)



12" ϕ strainer

pond or channel bottom

1 1/2" ϕ galv. steel pipe

2' min

1.5' *

INTAKE STRAINER SUPPORT

* Push into bottom with hoe. Adjust width and height to fit strainer and screen assembly.

GENERAL NOTES

1. Intake strainer shall be 12" diameter and 60" long. Strainer will have 1920 - 3/8" holes on bottom half of pipe to meet 0.4 ft/sec velocity on fish-bearing streams.
2. Place end cap w/ 3/32" ϕ holes, on strainer. Use 1" wide coupling section bands spaced at 1 ft intervals to hold screen off strainer assembly.
3. Wrap strainer with 18 ga perforated plate with 3/32" ϕ holes and clamp to outside of strainer, clamp on each band and ends. A 6 mesh, 14 ga. stainless steel screen may be substituted for the perforated plate.
4. Use 12" to 6" reducer and 6" check valve in supply line to hydrant.
5. All PVC piping or fittings exposed to sunlight shall be primed and painted with reflective material.

DRY HYDRANT

Designed	_____	Date	_____
Drawn	KLY	5/2006	_____
Checked	_____	_____	_____
Approved	_____	_____	_____
Title	_____	_____	_____



File Name
or_dry_hyd.dwg
Drawing No.