

Car-Mer Dairy Farm

Storm Water Management Plan

Site Location

The facility is located in sections 26 of the Vinegar Hill Township of Jo Daviess County. This is approximately a 15 acre dairy site consisting of several dairy buildings, an earthen storage structure, and concrete manure tank. This facility is located in a rural agricultural area where row crops are grown. The closest stream lies 50-75 feet south east of the facility. The Stream is an unnamed tributary to the Galena river. Attachment A is a facility map, which illustrates the layout of this site.

Storm Water Management

All storm water is directed away from the facility buildings and facilities. The finished man-made and surrounding natural topography allows all surface water to flow away from the facility in a southerly direction. The buildings were built on a relatively level portion of land with approximately two feet of gravel surrounding the perimeter of the buildings. The surrounding topography and the gravel allow the storm water to disperse away from individual buildings and the site. The excess storm water leaving the site will run through heavily vegetated areas and eventually drain towards an unnamed tributary to the Galena River.

Facility Access

The facility is accessible through one private gravel drive. Only facility employees, feed/animal transportation vehicles or facility service personnel are permitted at the facility for reasons of bio-security. All animal transportation vehicles are required to enter the site clean and free of animal waste or other debris. No vehicles entering the site will be permitted to clean, wash, or empty excess materials onto the ground of the site.

Facility Commodity Management

The products utilized at the facility consist of feed for facility livestock. Feed is transferred directly from the transportation vehicle to storage areas. Spilled feed will be picked up regularly.

Facility Mortality Management

On the rare occasion in which mortalities occur the facility uses a mortality composting facility. All mortalities will be handled in accordance with the Illinois Dead Animal Disposal Act. Also there will be no discharge from the animal mortality facility into waters of the U.S. or into the liquid livestock waste handling facilities.

Litter Management

A proper number of dumpsters will be provided on site to handle debris and litter associated with the facility. The litter will be disposed of in an appropriate and timely manner.

Hazardous Waste

There is no and will be no hazardous waste generated at this site.

Maintenance/Inspection Procedures

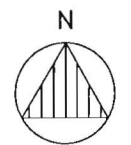
Facility roads, commodity storage areas, etc., will be inspected at least once a month. A maintenance inspection report will be recorded following each inspection. A copy of the inspection form is provided as Attachment B.

Storm Water Best Management Practices

Grounds:

- Maintain sufficient surface drainage away from buildings.
- Permanent vegetation will be maintained across the facility.
- Divert rain water away from areas where it could pond.
- Maintain proper gravel cover and landscape gradient so that water does not stand in access roads and around the production facility.
- Remove any spilled feed promptly.

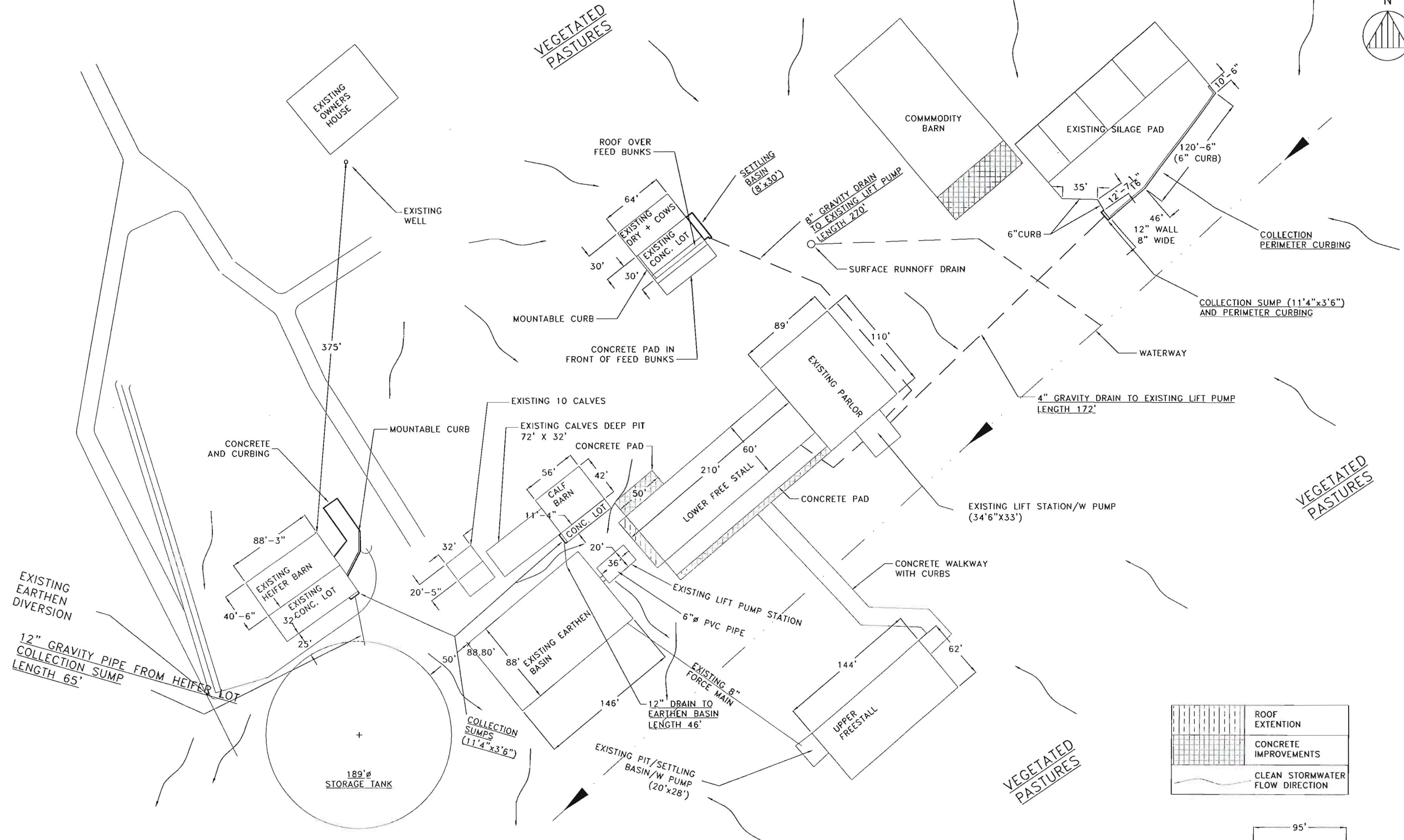
ATTACHMENT A
FACILITY PLOT PLAN



VEGETATED PASTURES

VEGETATED PASTURES

VEGETATED PASTURES



	ROOF EXTENSION
	CONCRETE IMPROVEMENTS
	CLEAN STORMWATER FLOW DIRECTION

95'

 **Frank & West**
Environmental Engineers, Inc.

CAR-MER FARM
GALENA, ILLINOIS
FACILITY PLAN VIEW.

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DRAWN BY: CEO

SCALE: AS SHOWN DATE: 08/05/11 REVISED ON: XX/XX/XX DRAWING NO. 10-18101



New Culvert -
Primary Emergency Dam
Location

Emergency Dam
Locations

ATTACHMENT B
INSPECTION FORM

Car-Mer Farm
 Stormwater Management Plan
 Inspection Report Form
 To Be Complete Every Month

Inspector: _____ Date: _____

Inspector's Qualifications: _____

Days Since Last Rainfall: _____ Amount of Last Rainfall: _____

Area	Date of Last Inspection	Date of Next Inspection	Stabilized	Yes/No	Condition of Vegetation	Visible Erosion
Facility Structures						
Access Drive/Areas						
Vegetated Areas						
Materials Handling Areas (not livestock waste)						
Refuse Sites						
Mortality Areas						
Materials Handling Equipment Storage Areas						
Shipping/Receiving Areas						

Comments: _____

Action(s) Required: _____

To Be Performed By: _____ On or Before: _____