Sample Plans

Figure 1, Illustration of Banks

Figure 2, Facility Perimeter Examples
  Typical Plan Marina Facility
  Typical Plan Open Pile Docking Facility

Sample Plan 1, Navigational Dredging (Hydraulic)
  Crossview Diagram #1A (Navigational Dredging )
  Crossview Diagram #1B (Diked Dredge Material Placement)

Sample Plan 2, Dredging (New and Maintenance)
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Sample Plan 3, Replacement Bulkhead Construction
  Crossview Diagram #3A (Replacement Bulkhead Construction)

Sample Plan 4, New Bulkhead Construction
  Crossview Diagram #4A (New Bulkhead Construction)

Sample Plan 5, Proposed Riprap Construction

Sample Plan 6, Proposed Culvert Construction
  Sample Plan 6A Flow Diversion/ Coffer Dam
  Sample Plan 6B Flumed Dry Crossing and Cross Section

Sample Plan 7, Proposed Bridge Construction

Sample Plan 8, Proposed Boat Ramp, Pier, Mooring Buoy, Jetty, Groin

General Site Plan & Project Plan for a Culvert Project

General Site Plan & Project Plan for a Dock Project
  Sample Project Plan for a Docking/Mooring Facility

General Site Plan & Project Plan Dredging Project

General Site Plan & Project Plan Shoreline Project
  Project Plan for a Shoreline Stabilization Project Removing a Vertical Wall

General Site Plan & Project Plan Wetland Project

Example Vertical Wall Project Plan

Example Rip Rap Project Plan

Example Rip Rap Project Profile

Figures 1, 2, 6A, 6B drawn by DEC staff.
Plans and Diagrams 1-4A drawn by Christina Grahm
Plans 5-8 courtesy of the Pennsylvania Department of Environmental Resources.
Note: A slope of 45 degrees may also be expressed as 100 percent slope or a 1:1 slope.

**Banks** means that land area immediately adjacent to and which slopes toward the bed of a watercourse and which is necessary to maintain the integrity of a watercourse. A bank will not be considered to extend more than 50 feet horizontally from the mean high water line, with the following exception: Where a generally uniform slope of 45 degrees (100%) or greater adjoins the bed of the watercourse, the bank is extended to the crest of the slope or the first definable break in slope, either a natural or constructed (i.e., road or railroad grade) feature, lying generally parallel to the watercourse.
Figure 2 Facility Perimeter Examples

Typical Plan Marina Facility

Typical Plan Open Pile Docking Facility

Applicant’s Name, Preparer’s Name, Date
Scale, North Arrow
Sample Plan 1 Navigational Dredging (Hydraulic)
Crossview Diagram 1A (Navigational Dredging)

Crossview Diagram 1B (Diked Dredge Material Placement)
Sample Plan 2 Dredging New and Maintenance

Crossview Diagram 2A Dredging (New and Maintenance)
Sample Plan 3 Replacement Bulkhead Construction

Applicant's Name, Preparer's Name, Date, Scale, North Arrow
Crossview Diagram 3A (Replacement Bulkhead Construction)
Sample Plan 4 New Bulkhead Construction

Applicant's Name, Preparer's Name, Date Scale, North Arrow
Sample Plan 5 Proposed Riprap Construction
Sample Plan 6B Flumed Dry Crossing and Cross Section
Sample Plan 8 Proposed Boat Ramp, Pier, Mooring Buoy, Jetty, Groin
GENERAL SITE PLAN - Culvert Project

This SAMPLE DRAWING provides an example of the level of detail required for DEC review purposes. The General Site Plan must reflect your specific site conditions, and must show locations of all existing and proposed structures.

Scale: 1" = 100'
Name: John Doe
Date: 7/4/07
Plans Prepared By: Art N. Gieseke
PROJECT PLANS - Culvert

This SAMPLE DRAWING provides an example of the level of detail required for DEC review purposes. Project plans must reflect your specific site conditions and your proposed project. Use separate sheets of paper if necessary, and include all 'before' and 'after' details.

Profile View
vertical scale: 1 inch = 40 inches
horizontal scale: 1 inch = 10 feet
stream flow
29'
3% streambed slope
32'
downslope and embedded 20% of vertical rise
road surface
12'
composted fill
22'
30'
sand bags
silt screen
note: The streambed slope was determined using a representative stream segment which included upstream and downstream reaches of the project site.

Plan View
not to scale
ripped road base 22'
stream flow
inlet
pump
temporary sand bag dam at each end of work area
silt screen during construction

Cross Section View
Scale: 1 inch = 20 inches

note: Stream channel width is measured between the bank at the ordinary high water level (location where rooted, terrestrial vegetation begins). A representative width is determined by averaging a minimum of three measurements taken at straight, unmodified stream segments (project location, upstream, downstream).

present water level
(7/4/07)
existing streambed
culvert opening 45" (1.25 x stream channel width)
culvert length 32'
stream channel width 36"
ordinary high water level
29'
vertical rise

Name: Kermit Pipiano
Date: 7/4/07
Prepared By: Stream Stream Consultants, Inc.
GENERAL SITE PLAN - Dock

This SAMPLE DRAWING provides an example of the level of detail required for DEC review purposes. The general site plan must reflect your specific site conditions showing all existing and proposed features/structures.

Scale: 1" = 40'
Name: Jim Brown
Date: 7/4/07
Plan Prepared By: Bob Builder
PROJECT PLANS - DOCK

This SAMPLE DRAWING provides an example of the level of detail required for DEC review purposes. Project plans must reflect your specific site conditions and your proposed project. Use separate sheets of paper if necessary, and include all ‘before’ and ‘after’ details.

Plan View
Scale: 1" = 5'

Cross Section View
Scale: 1" = 8'

Name: Jill Jones
Date: 7/4/07
Plans Prepared By: Jill Jones
GENERAL SITE PLAN - Dredging Project
This SAMPLE DRAWING provides an example of the level of detail required for DEC review purposes. The general site plan must reflect your specific site conditions showing all existing and proposed features/structures.

Scale: 1" = 40'
Name: Jim Brown
Date: 7/4/27
Plans Prepared By: Bob Builder
PROJECT PLANS - DREDGING
This SAMPLE DRAWING provides an example of the level of detail required for DEC review purposes. Project plans must reflect your specific site conditions and your proposed project. Use separate sheets of paper if necessary, and include all 'before' and 'after' details.

Plan View
Scale: 1" = 20'

Cross Section View
(not to scale)
GENERAL SITE PLAN - Shoreline Project

This SAMPLE DRAWING provides an example of the level of detail required for DEC review purposes. The general site plan must reflect your specific site conditions showing all existing and proposed features/structures.

Scale: 1" = 40' 
Name: Jim Brown 
Date: 7/4/07  
Plans Prepared By: Bob Builder
PROJECT PLANS - Shoreline Stabilization

This SAMPLE DRAWING provides an example of the level of detail required. Project plans must reflect your specific site conditions and your proposed project. Use separate sheets of paper if necessary, and include all 'before' and 'after' details.

**Plan View**
- Scale: 1" = 10'
- Property line
- 15th Oak Tree
- 73.5' to MHWL
- Top of Bank
- MHWL (Mean High Water Level)
- Low Water Level

**Cross Section View A’-A**
- Scale: 1" = 2'
- Top of Bank
- Native species
- Existing eroded bank
- Proposed Rip Rap
- Geotextile fabric
- MHWL
- Low Water Level

Name: Bill and Mary Johnson
Date: 7/4/07
Plans Prepared By: Jane R. Kittredge
PROJECT PLANS - Shoreline Stabilization
Cross Section View (Before and After)

This SAMPLE DRAWING provides an example of the level of detail required for DEC review purposes. Project plans must reflect your specific site conditions and your proposed project. Use separate sheets of paper if necessary, and include all 'before' and 'after' details.

Before

- MHWL
- Lake Bottom
- Depth from face of wall to permanent structure: 7.5'
- Slope: 1:4

After

- MHWL
- Lake Bottom
- Remove Existing Structure
- Silt Screen or Filter Fabric Curtain during construction
- Deep rooting plantings using native species
- Low growing shrubs
- Slope: 1
- Toe
- Limit of Disturbance: 69'
- Existing Permanent Structure: 75.5'

Scale: 1" = 3'
Name: Jim Brown
Date: 7/4/07
Plane Prepared By: Bob Builder
GENERAL SITE PLAN - Wetland Project

This SAMPLE DRAWING provides an example of the level of detail required for DEC review purposes. The General Site Plan must reflect your specific site conditions, and must show locations of all existing and proposed structures, and all limits of disturbance. Note: The wetland boundary must be delineated and confirmed by the New York State Department of Environmental Conservation or the US Army Corps of Engineers, and accurately depicted on the plan.

Proposed Structures:
house, garage, septic, well, culvert, driveway

Wetland Boundary
date delineated: 6/15/07
by: NYSDEC

Scale: 1" = 100'
Name: John Doe
Date: 7/4/07
Plans Prepared By: Art N. Gineere
PROJECT PLANS - Wetland (Driveway)

This SAMPLE DRAWING provides an example of the level of detail required for DEC review purposes. Project plans must reflect your specific site conditions and proposed project. Include a plan view and profile view showing all existing and proposed conditions, and all limits of clearing, excavation, fill. Use separate sheets if necessary.

Plan View
Scale: 1" = 66'

Cross Section View
Scale: 1" = 5'

Note: slope of fill not to exceed 2 horizontal to 1 vertical

Name: John Doe
Date: 7/4/07

Plans Prepared By: Art N. Gineere
REQUIRED MEASUREMENTS:

A Length from Lakeward Edge of Proposed Wall to Two Permanent Benchmarks

B Total Length of Proposed Wall

C Mean High Water Level

D Current Water Level on (date)

ADJACENT NEIGHBOR’S PROPERTY: 123 CRANBERRY LANE

PROPOSED WALL

ADJACENT NEIGHBOR’S PROPERTY: 123 CRANBERRY LANE

Windy Pond
EXAMPLE RIP RAP PROJECT PLAN: 123 CRANBERRY LANE SYRACUSE, NY 12345

REQUIRED MEASUREMENTS:

A. Description of Proposed Work (please include type & size of all materials to be used)

B. Total Length from Toe of Rip Rap to 2 Permanent Benchmarks

C. Current Water Level on (date)

D. Total Length of Proposed Work

EXAMPLE DESCRIPTION:
We would like to place a riprap along the shoreline of Windy Pond to protect our property against wave erosion. We propose to place filter fabric along the existing eroded shoreline, then place #2 crushed stone to bring the slope up to a 6:1 ratio. A layer of riprap will be placed on top, and the area will then be backfilled with topsoil and planted with native bushes.

EXAMPLE RIP RAP PROJECT PROFILE: 123 CRANBERRY LANE SYRACUSE, NY 12345

REQUIRED MEASUREMENTS:

A. Proposed Length from Top of Rip Rap to Permanent Benchmark

B. Proposed Length from Top to Toe of Rip Rap

C. Mean High Water Level on (fill in date)

No steeper than 2:1 final slope (horizontal : vertical)