

Sample Plans

Figure 1, Illustration of Banks

Figure 2, Facility Perimeter Examples

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Typical Plan Open Pile Docking Facility

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Crossview Diagram #1B (Diked Dredge Material Placement)

Sample Plan 2, Dredging (New and Maintenance)

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Crossview Diagram #3A (Replacement Bulkhead Construction)

Sample Plan 4, New Bulkhead Construction

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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

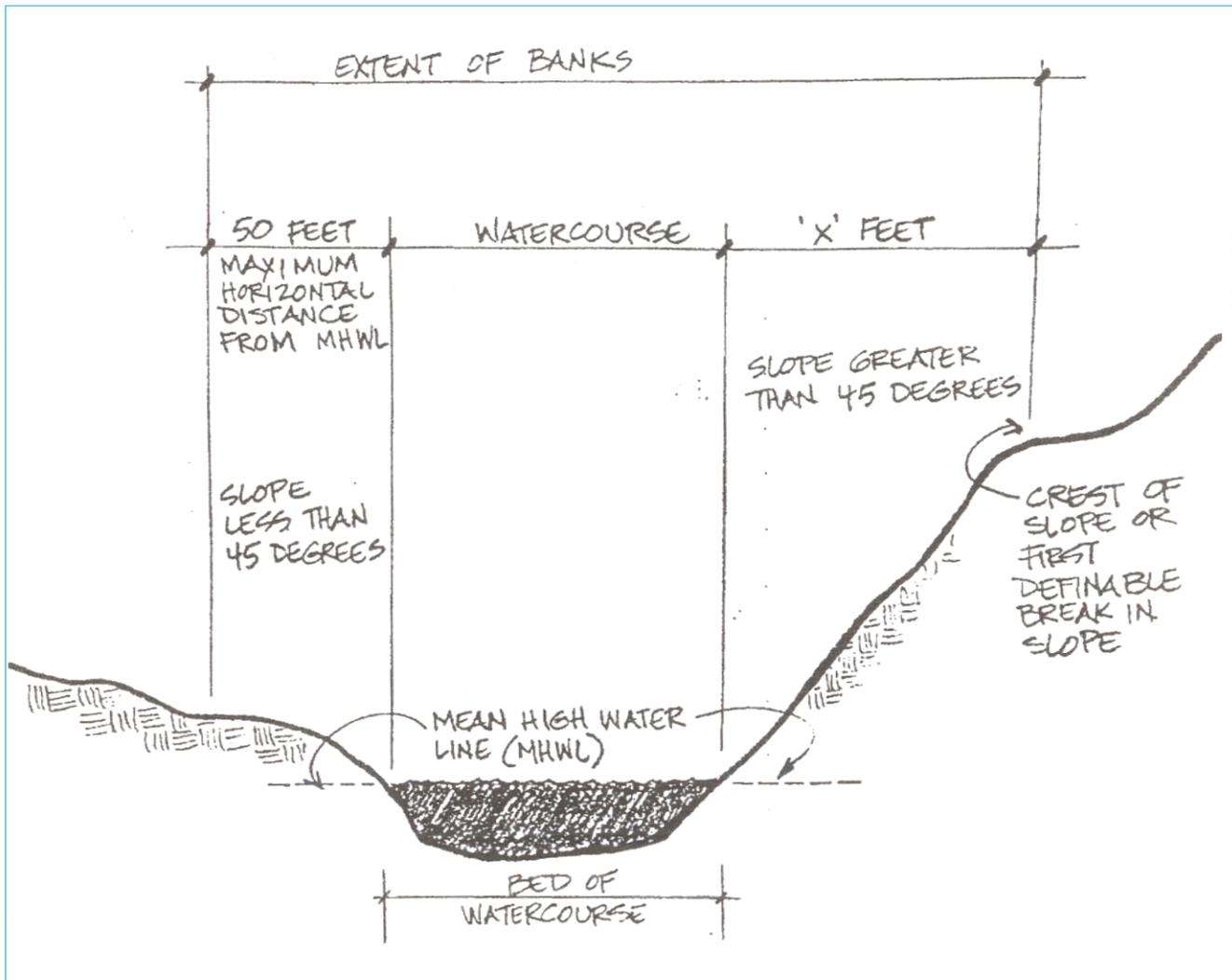
Example Rip Rap Project Profile

Figures 1, 2, 6A, 6B drawn by DEC staff.

Plans and Diagrams 1-4A drawn by Christina Graham

Plans 5-8 courtesy of the Pennsylvania Department of Environmental Resources.

Figure 1 Illustration of Banks

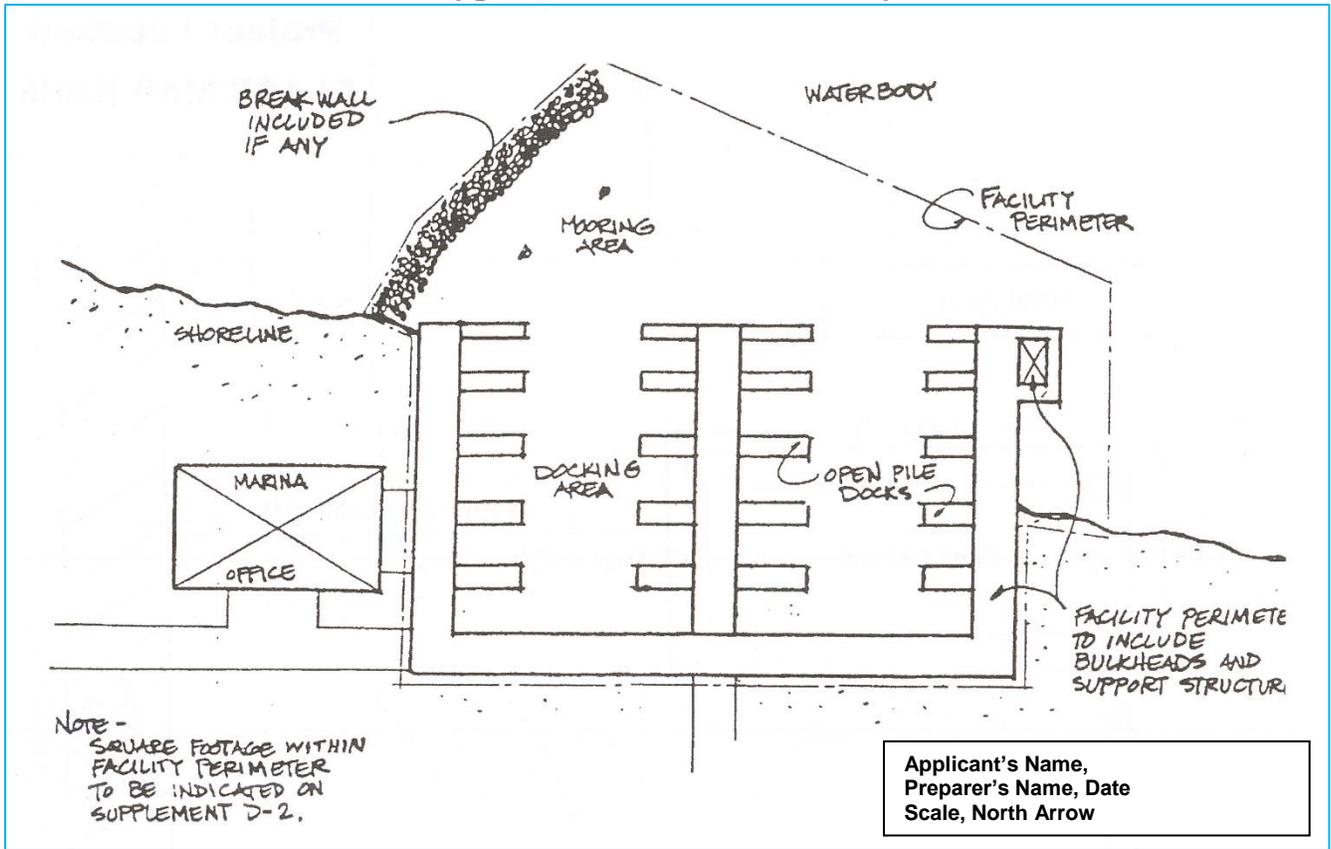


Note: A slope of 45 degrees may also be expressed as 100 percent slope or a 1:1 slope.

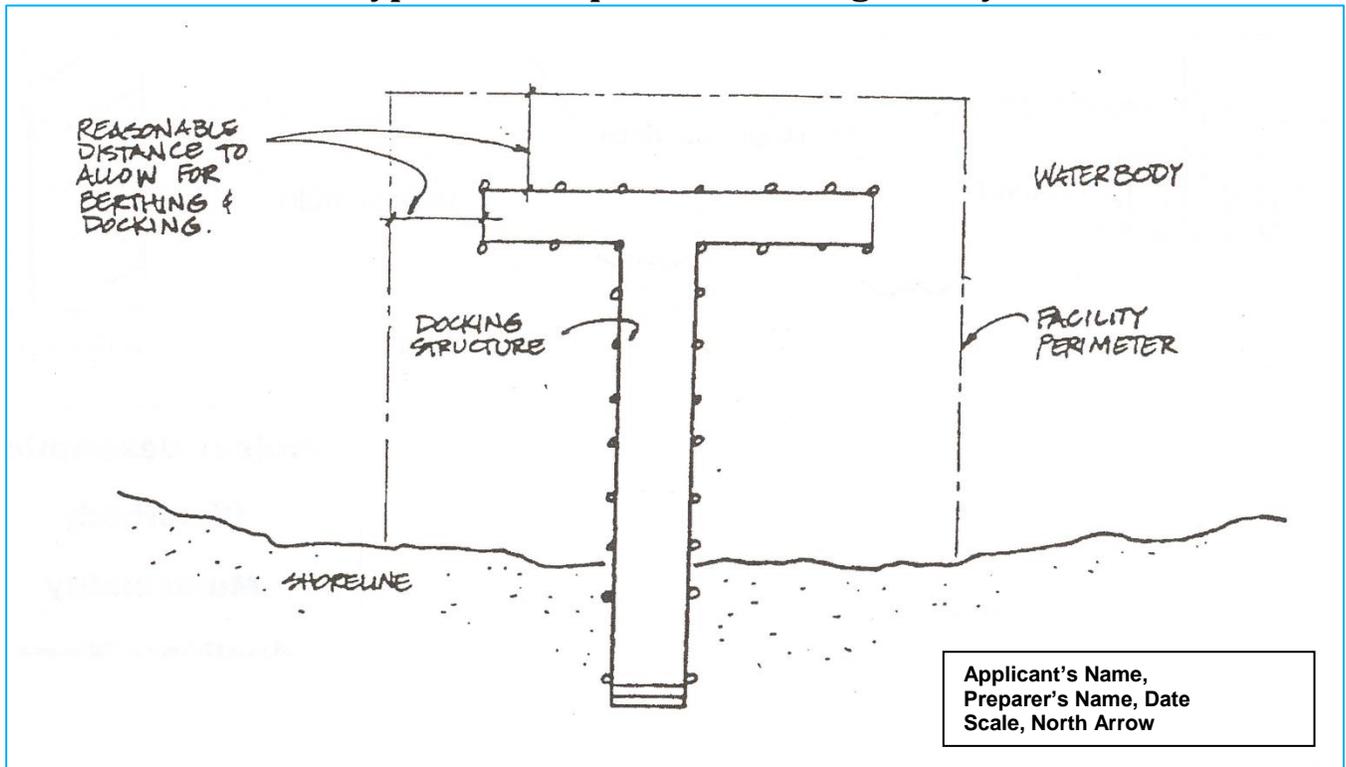
Banks means that land area immediately adjacent to and which slopes toward the bed of a watercourse and which is necessary to maintain the integrity of a watercourse. A bank will not be considered to extend more than 50 feet horizontally from the mean high water line, with the following exception: Where 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

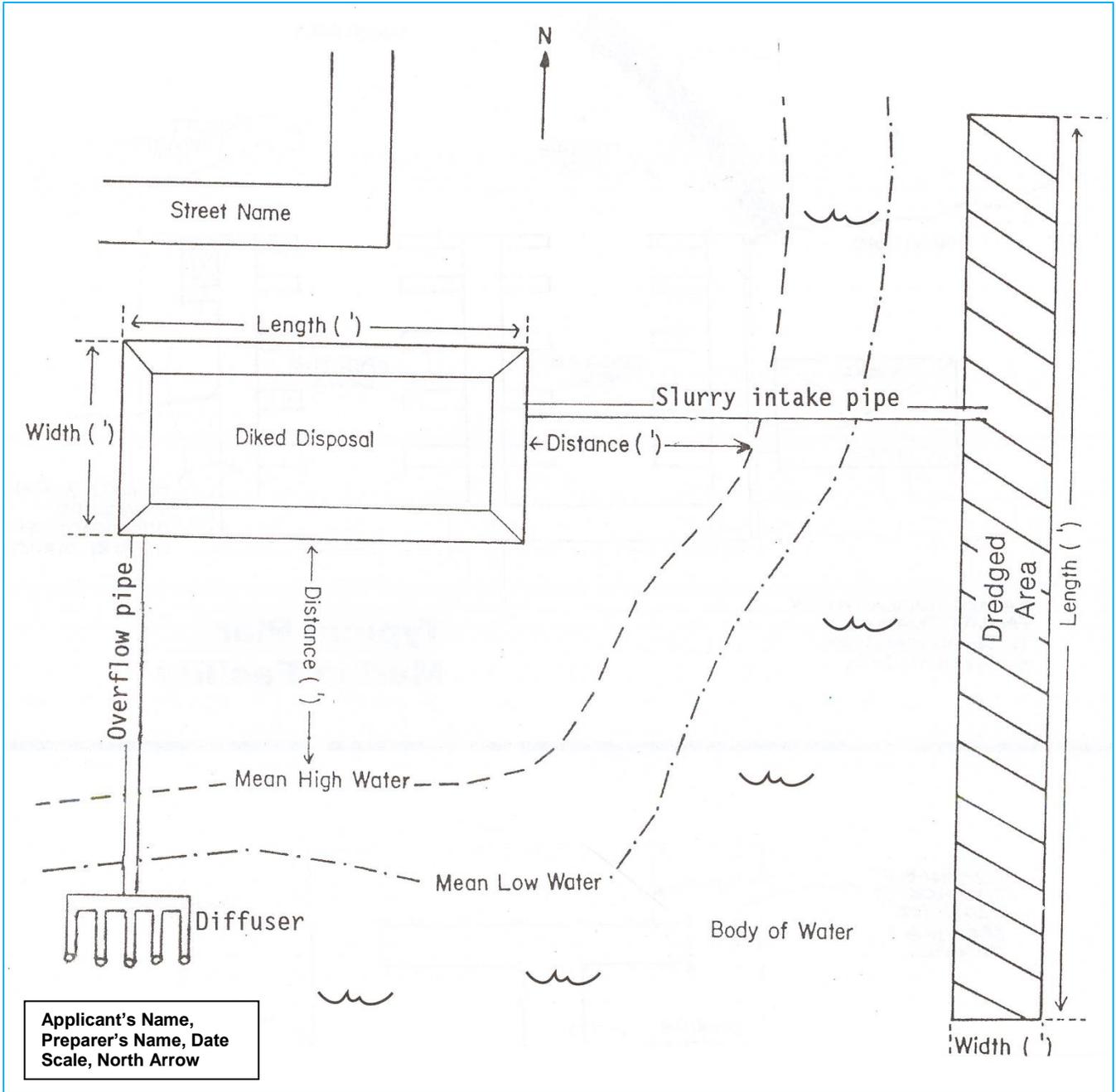
Typical Plan Marina Facility



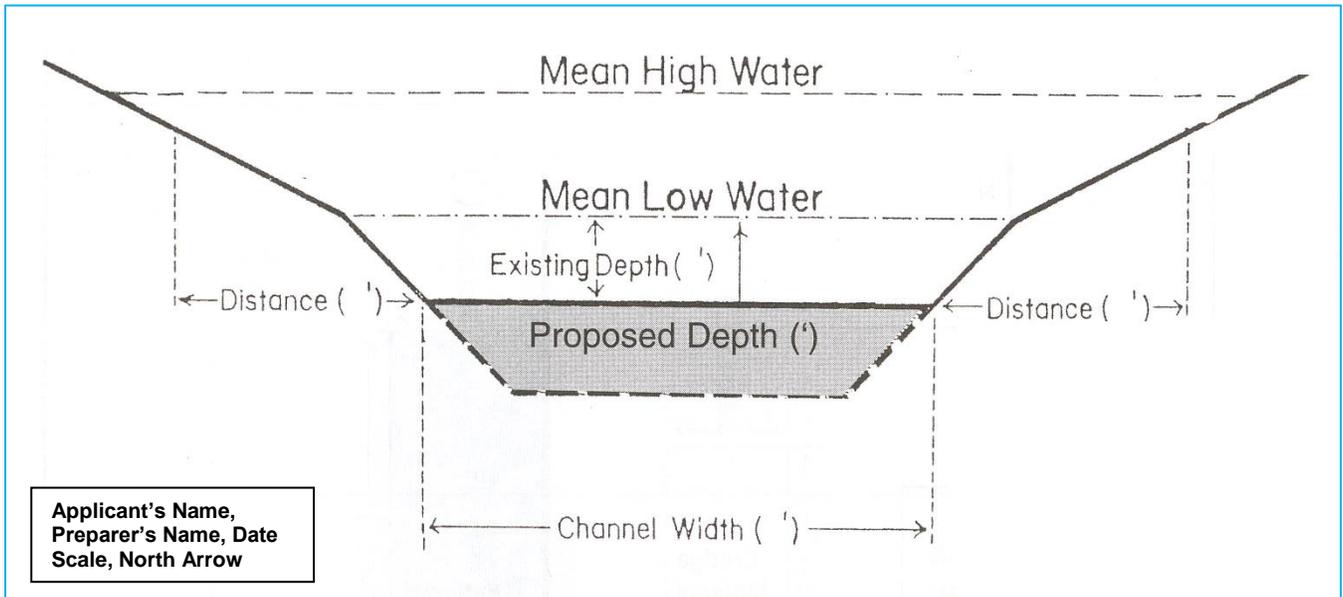
Typical Plan Open Pile Docking Facility



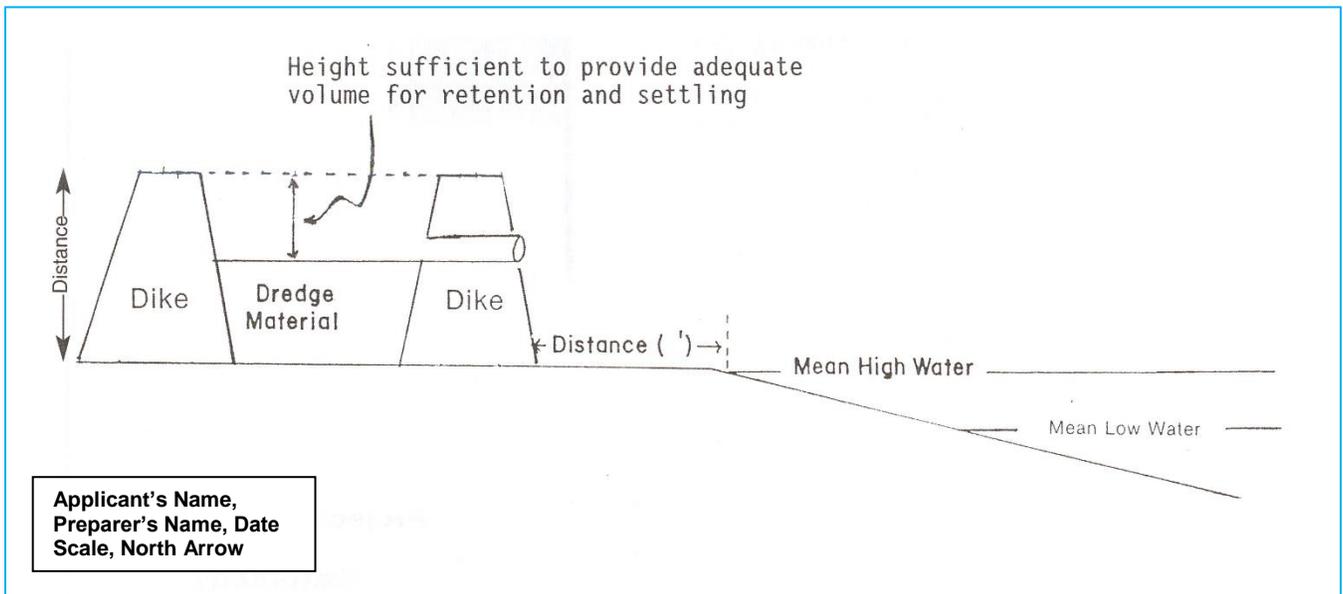
Sample Plan 1 Navigational Dredging (Hydraulic)



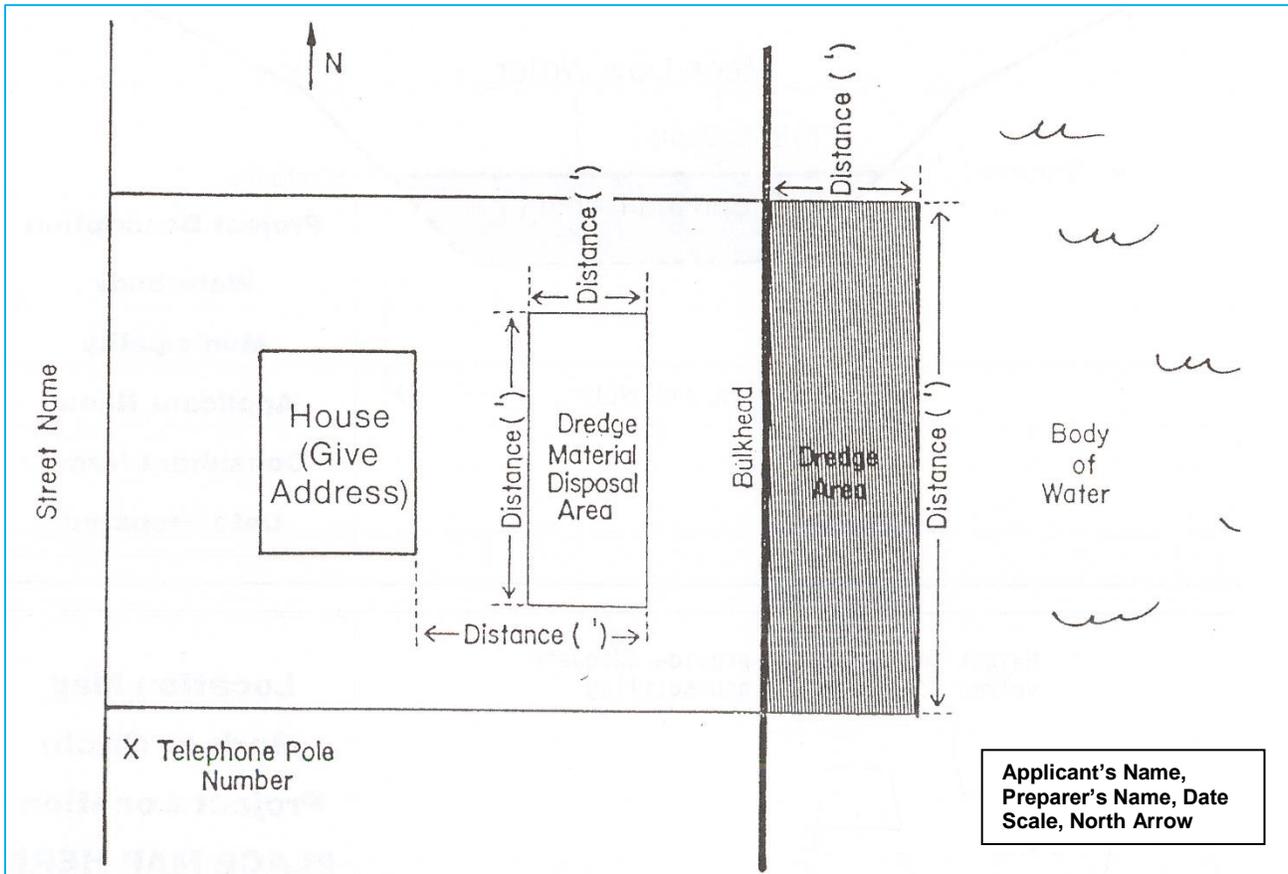
Crossview Diagram 1A (Navigational Dredging)



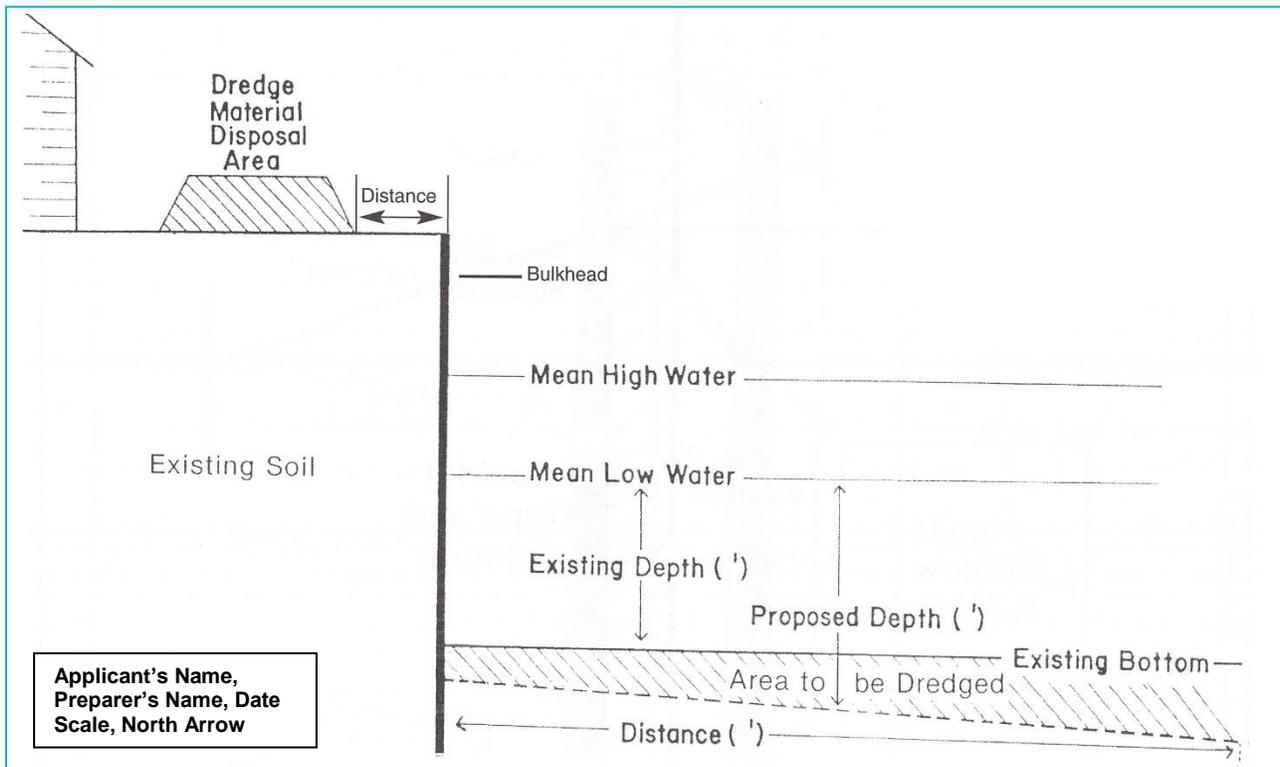
Crossview Diagram 1B (Diked Dredge Material Placement)



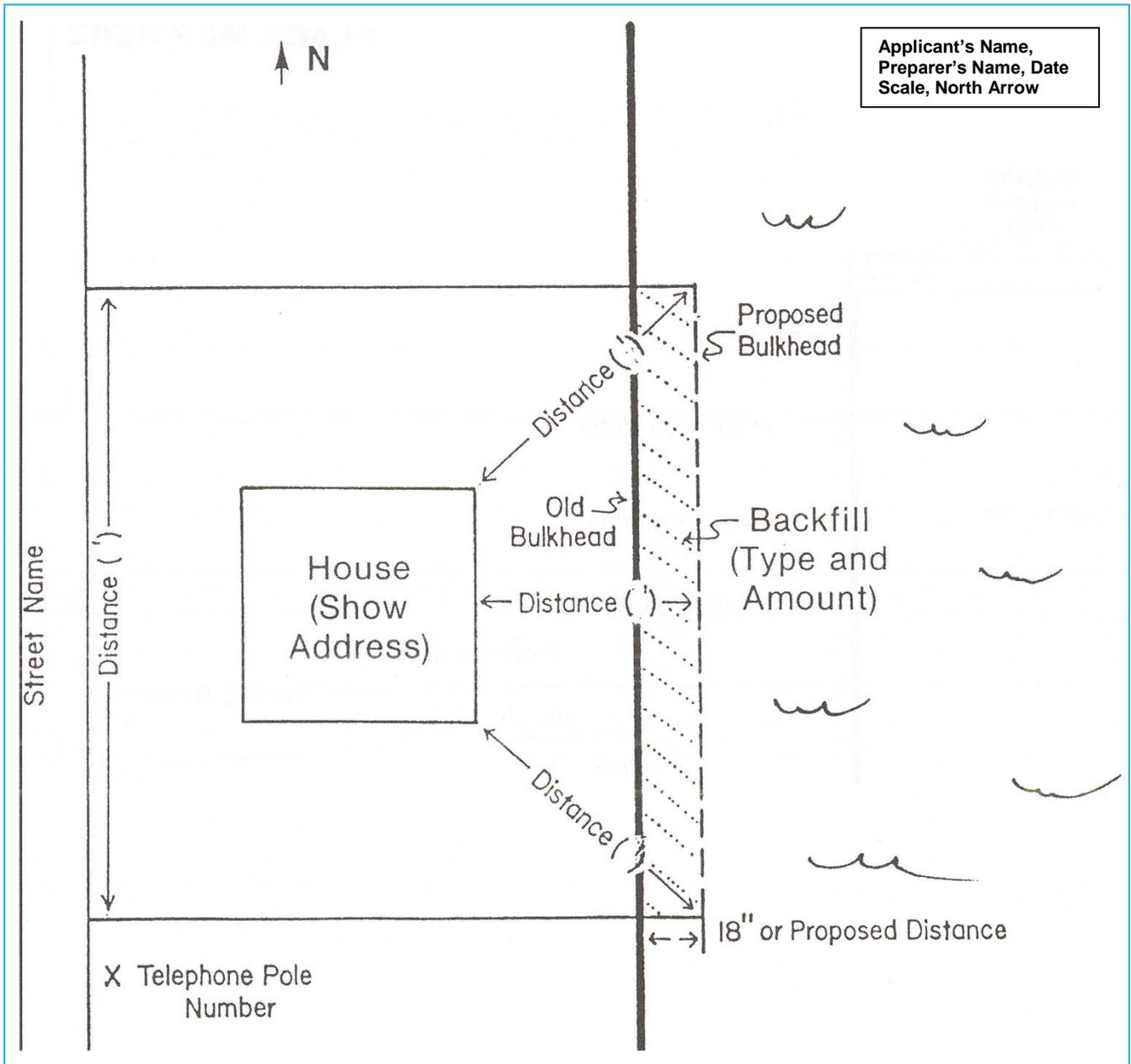
Sample Plan 2 Dredging New and Maintenance



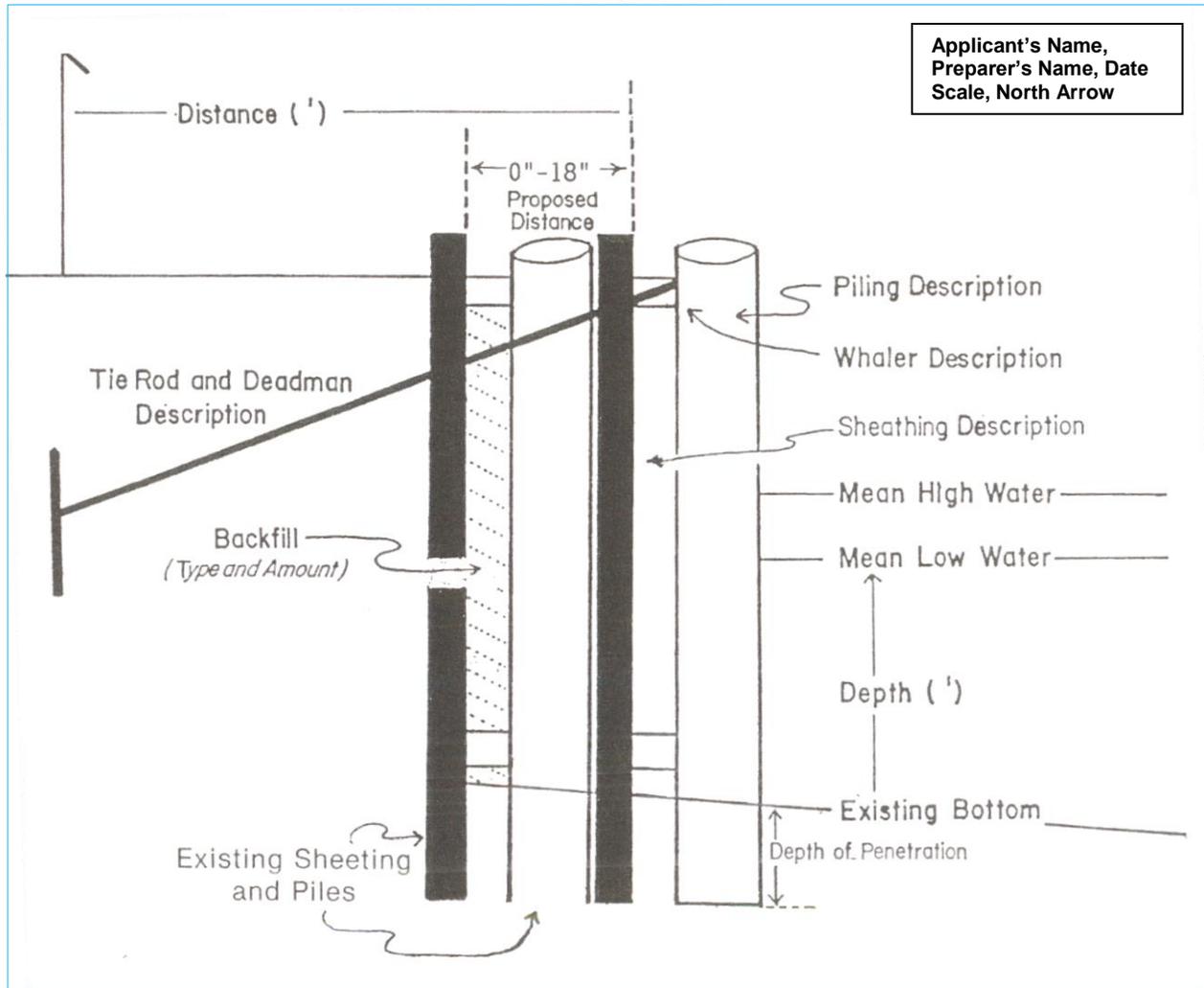
Crossview Diagram 2A Dredging (New and Maintenance)



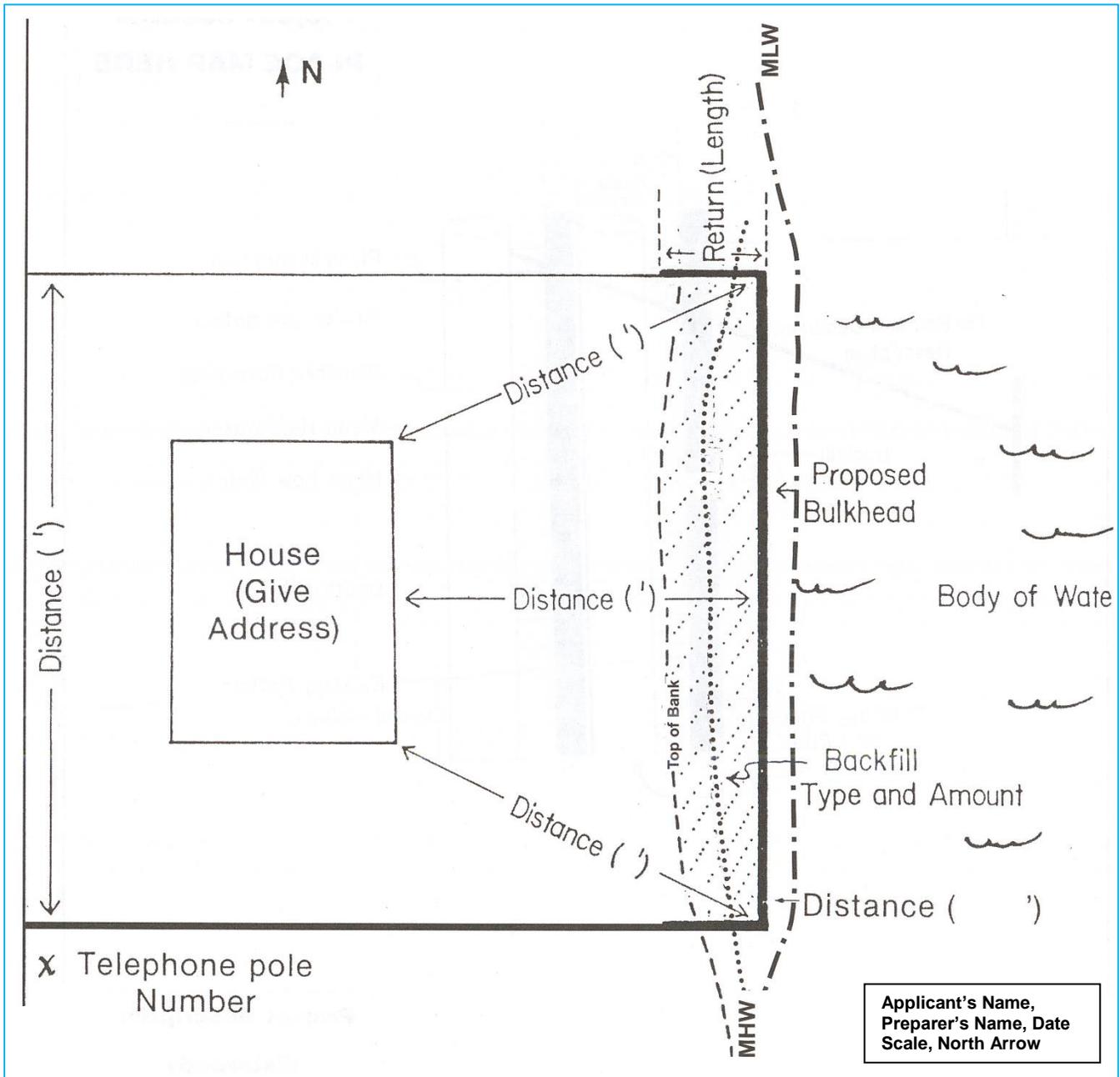
Sample Plan 3 Replacement Bulkhead Construction



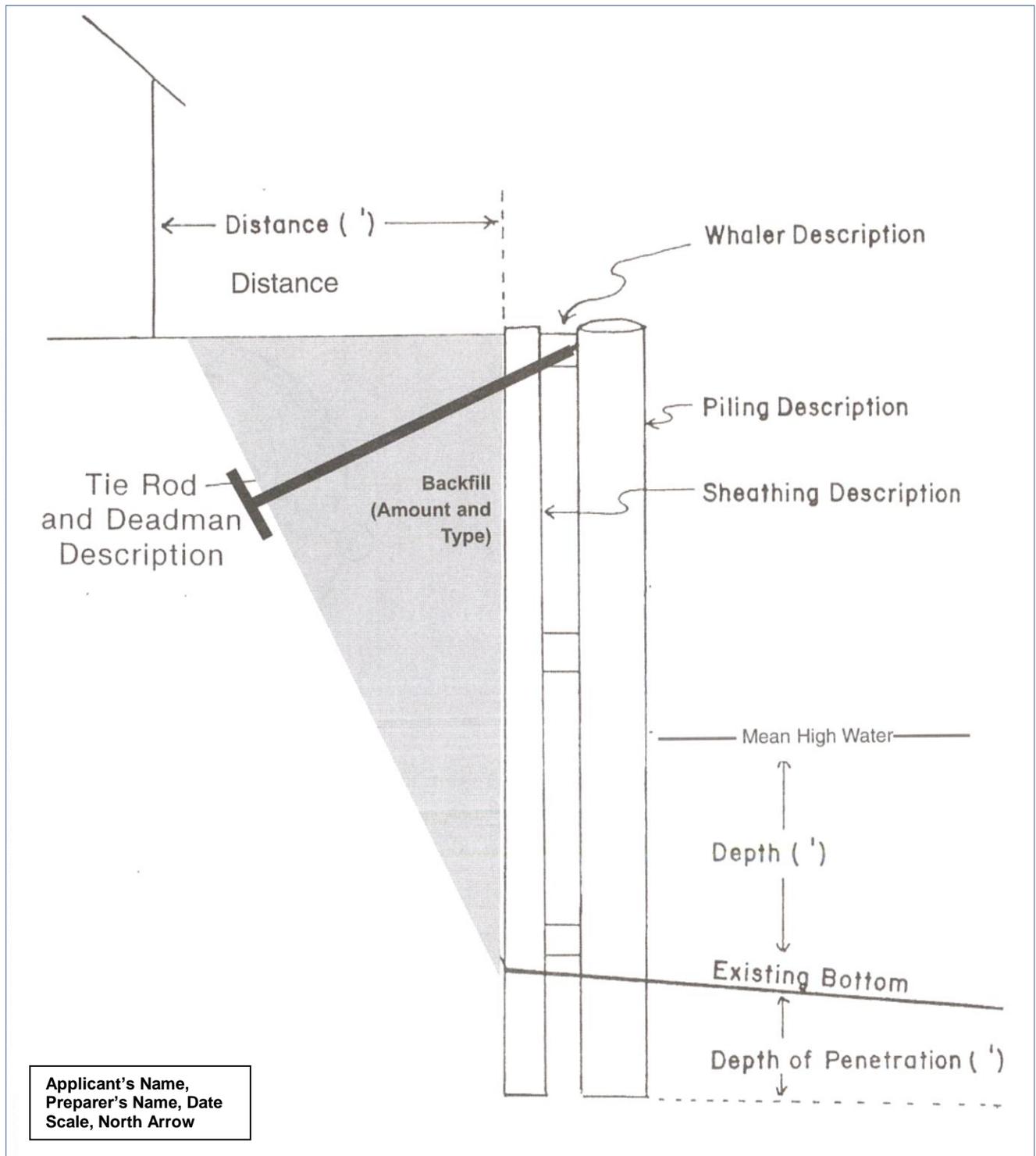
Crossview Diagram 3A (Replacement Bulkhead Construction)



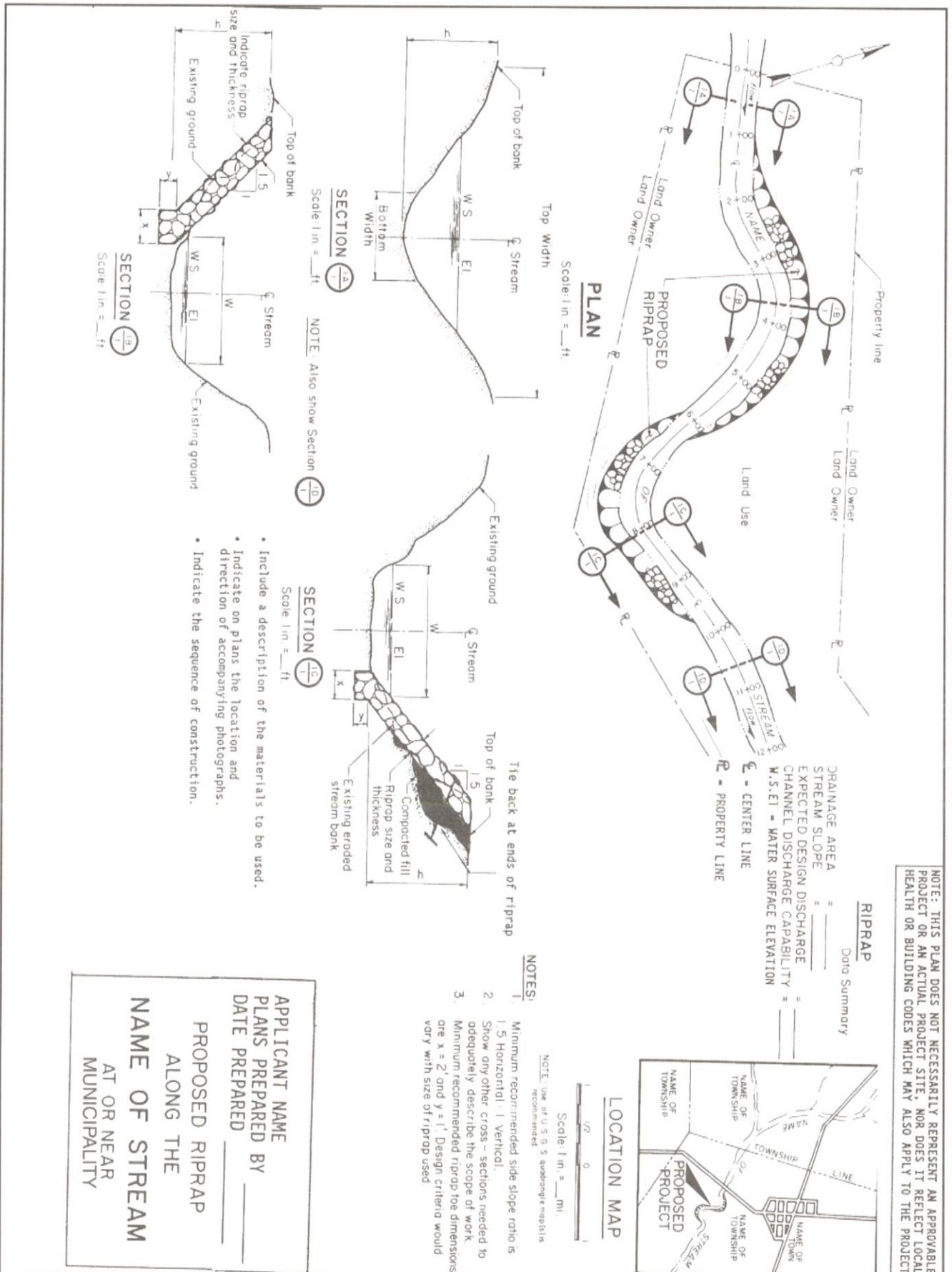
Sample Plan 4 New Bulkhead Construction



Crossview Diagram Plan 4A New Bulkhead Construction



Sample Plan 5 Proposed Riprap Construction



Sample Plan 6 Proposed Culvert Construction

PLAN

Scale: 1 in. = ft.

SECTION 1A
Scale: 1 in. = ft.

SECTION 1B
Scale: 1 in. = ft.

NOTES:

- Include a description of the materials to be used.
- Indicate on plans the location and direction of accompanying photographs.
- Describe or show with illustration the invert elevation (lengthwise tilt of the culvert in the stream). This should be no greater than 0.5% slope.
- Stream bottom is to be reestablished through the culvert.
- Existing and proposed 100-year flood elevations must be shown.
- If fill is used in approaches, cross-section must extend to either side to show the extent of the fill.
- If backwater from culvert occurs plan must indicate what areas are affected and to what extent.
- If overflow of roadway is anticipated adequate cross-section with dimensions must be provided.

CULVERT

Date Summary

DRAINAGE AREA = _____

SPAN = _____

UNDERCULVERTANCE = _____

STREAM SLOPE = _____

EXPECTED DESIGN DISCHARGE = _____

CULVERT DISCHARGE CAPABILITY = _____

TOTAL LENGTH OF CULVERT = _____

M.S. El. = WATER SURFACE ELEVATION = _____

☒ = CENTER LINE

☒ = PROPERTY LINE

LOCATION MAP

Scale: 1 in. = mi.

NOTE: Use of U.S.G.S. quadrangle maps is recommended.

APPLICANT NAME _____

PLANS PREPARED BY _____

DATE PREPARED _____

PROPOSED CULVERT _____

IN THE _____

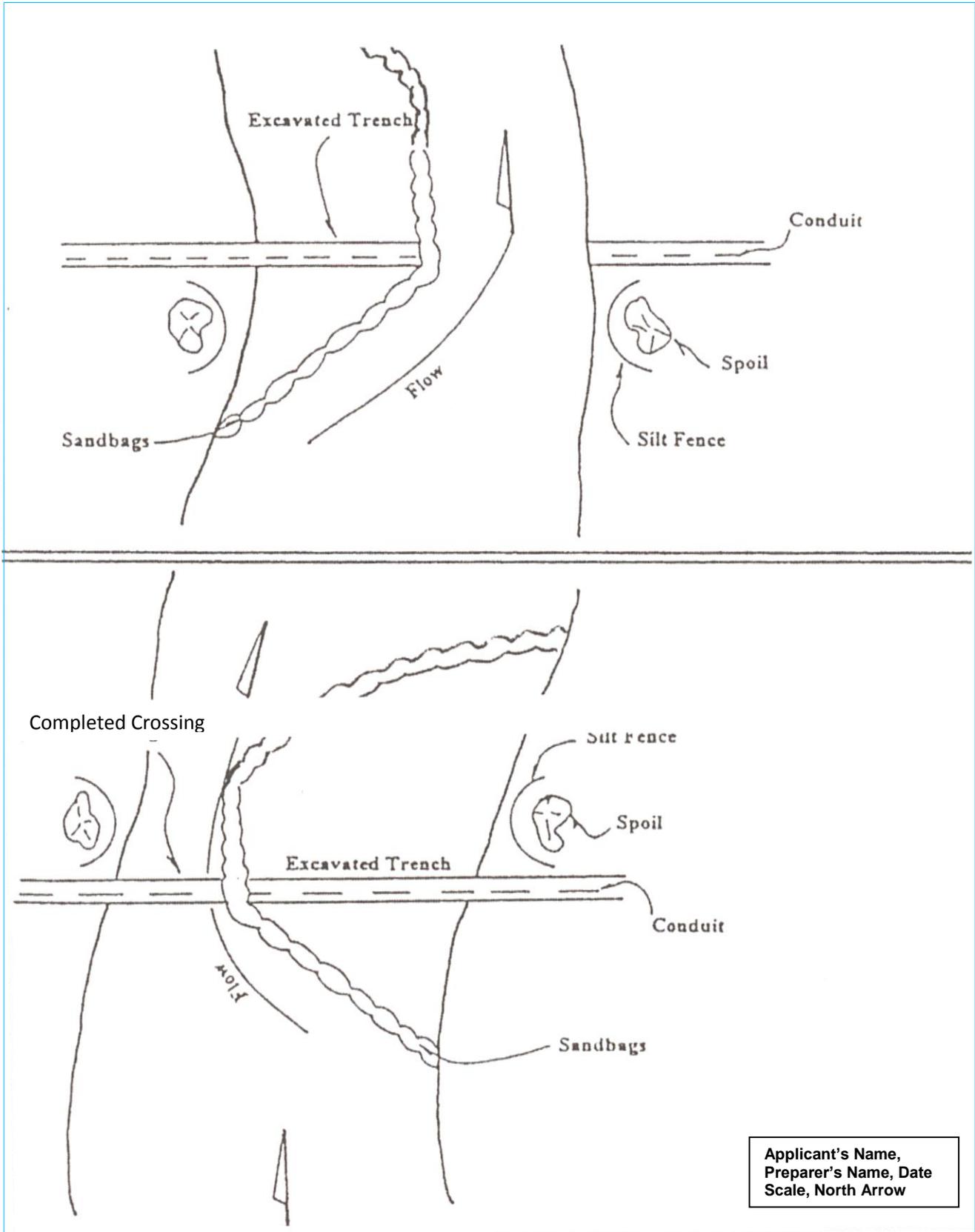
NAME OF STREAM _____

AT OR NEAR _____

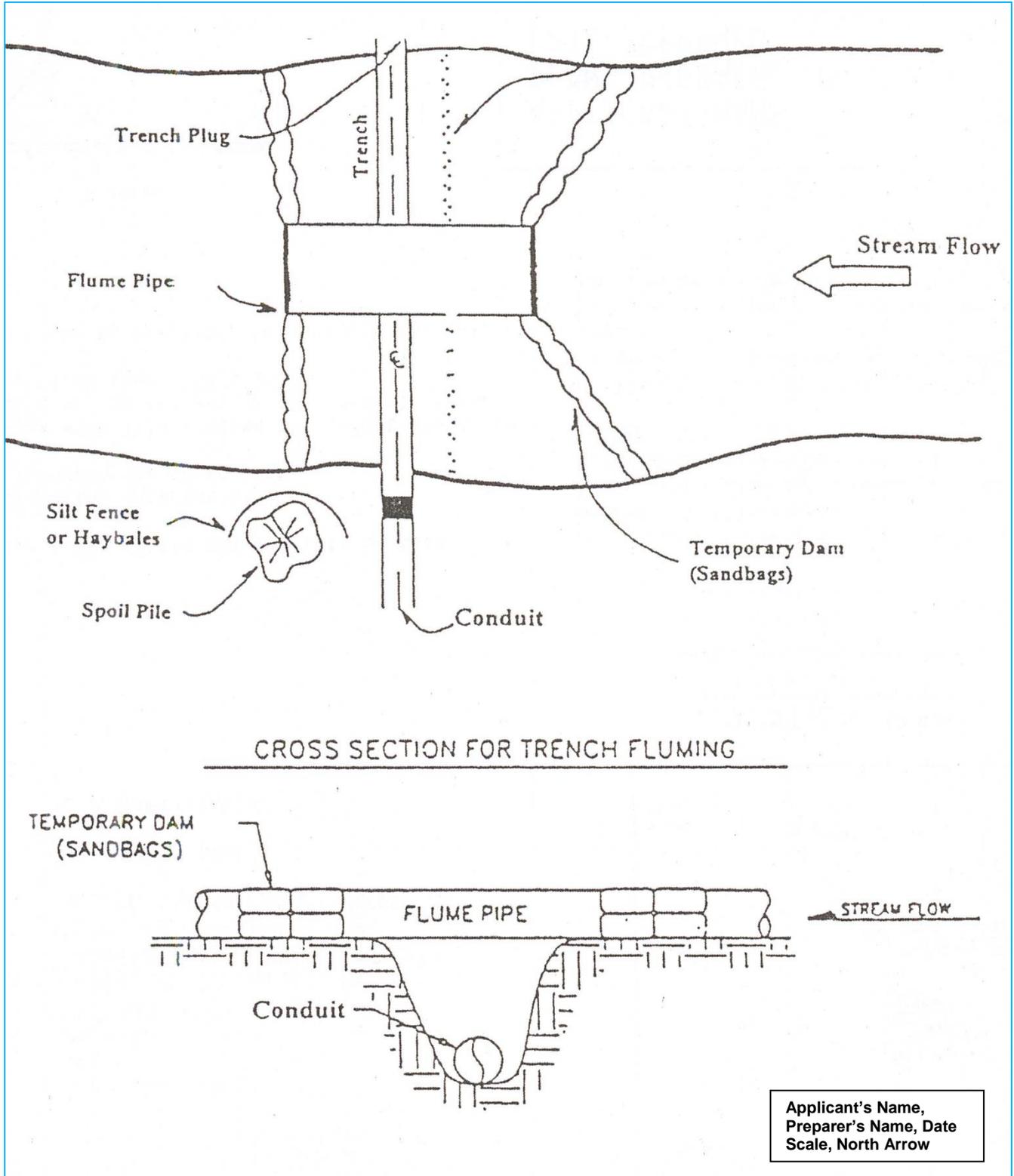
TOWN, TOWNSHIP & COUNTY _____

NOTE: THIS PLAN DOES NOT NECESSARILY REPRESENT AN APPROVABLE PROJECT OR AN ACTUAL PROJECT SITE, NOR DOES IT REFLECT LOCAL HEALTH OR BUILDING CODES WHICH MAY ALSO APPLY TO THE PROJECT.

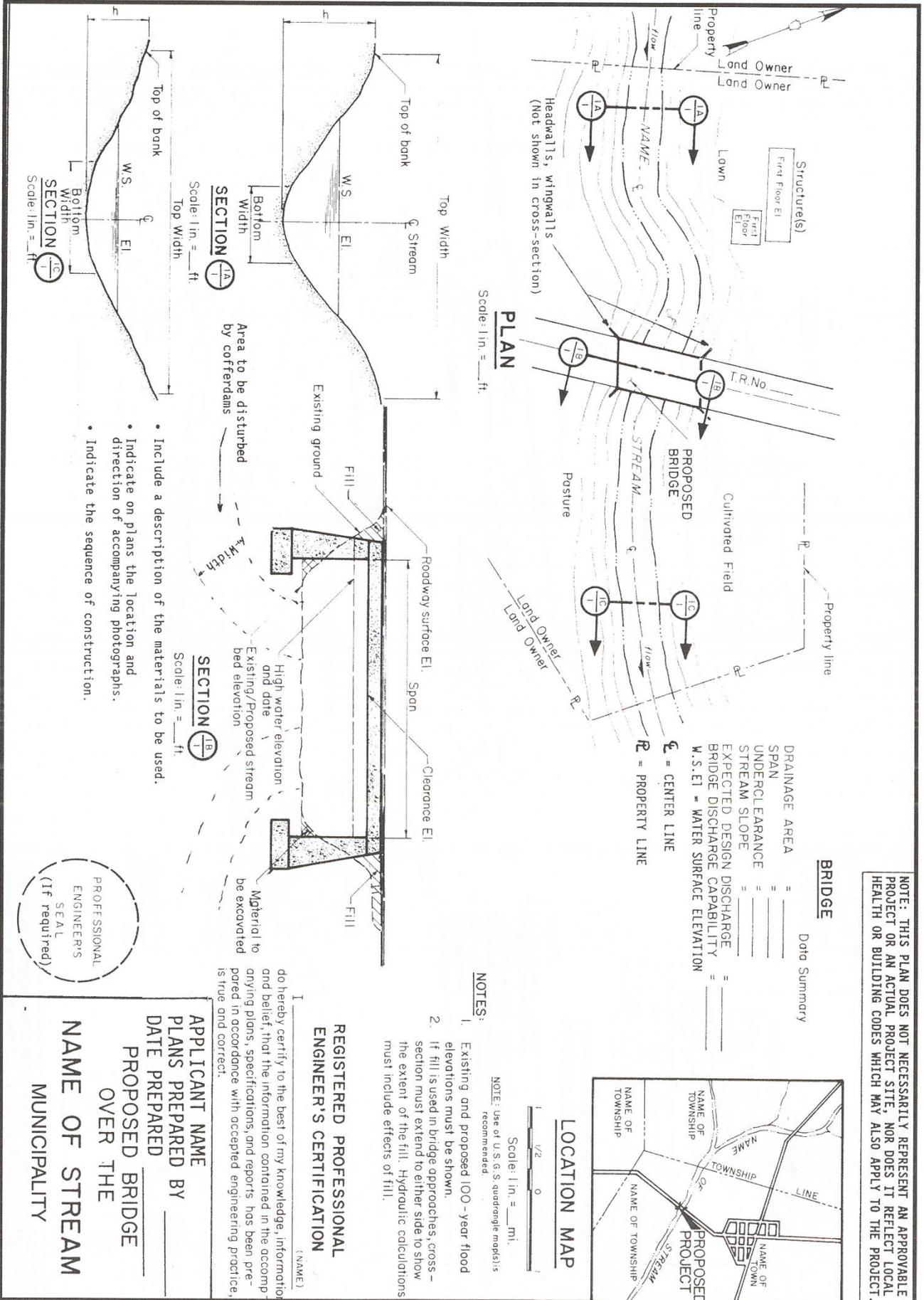
Sample Plan 6A Flow Diversion/Coffer Dam



Sample Plan 6B Flumed Dry Crossing and Cross Section

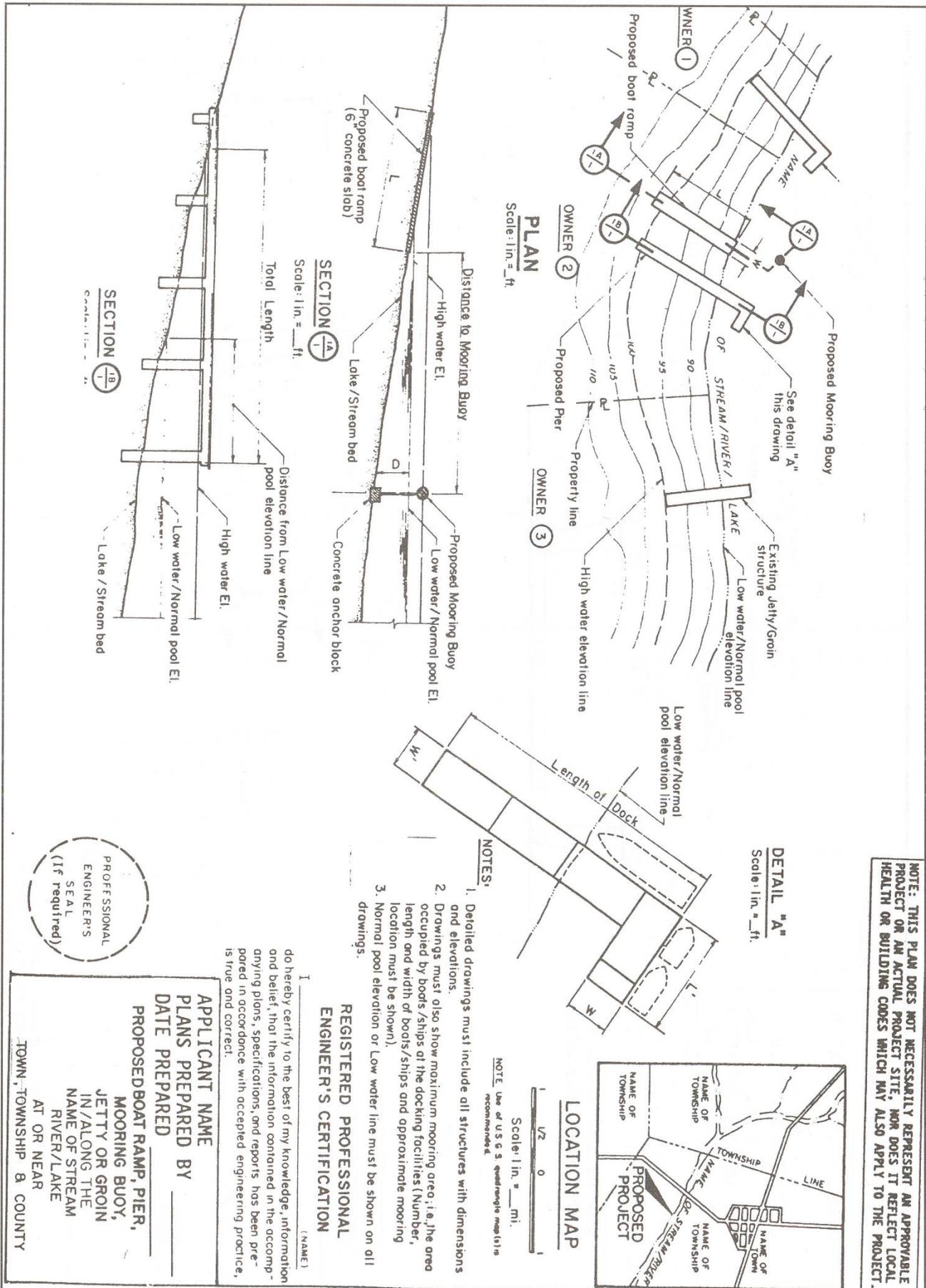


Sample Plan 7 Proposed Bridge Construction



NOTE: THIS PLAN DOES NOT NECESSARILY REPRESENT AN APPROVABLE PROJECT OR AN ACTUAL PROJECT SITE, NOR DOES IT REFLECT LOCAL HEALTH OR BUILDING CODES WHICH MAY ALSO APPLY TO THE PROJECT.

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



NOTE: THIS PLAN DOES NOT NECESSARILY REPRESENT AN APPROVABLE PROJECT OR AN ACTUAL PROJECT SITE, NOR DOES IT REFLECT LOCAL HEALTH OR BUILDING CODES WHICH MAY ALSO APPLY TO THE PROJECT.

DETAIL "A"
Scale: 1 in. = ft.

PLAN
Scale: 1 in. = ft.

SECTION 1A
Scale: 1 in. = ft.

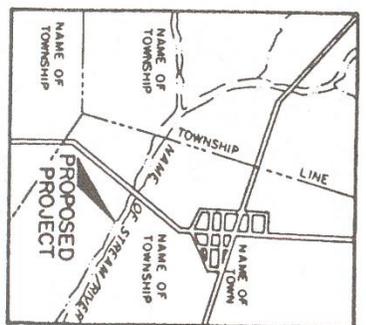
SECTION 1B
Scale: 1 in. = ft.

NOTES:

1. Detailed drawings must include all structures with dimensions and elevations.
2. Drawings must also show maximum mooring area, i.e. the area occupied by boats/ships at the docking facilities (Number, length and width of boats/ships and approximate mooring location must be shown).
3. Normal pool elevation or Low water line must be shown on all drawings.

LOCATION MAP

Scale: 1 in. = mi.
NOTE: Use of U.S.G.S. quadrangle map(s) is recommended.



do hereby certify to the best of my knowledge, information and belief, that the information contained in the accompanying plans, specifications, and reports has been prepared in accordance with accepted engineering practice, is true and correct.

REGISTERED PROFESSIONAL ENGINEER'S CERTIFICATION
(NAME)

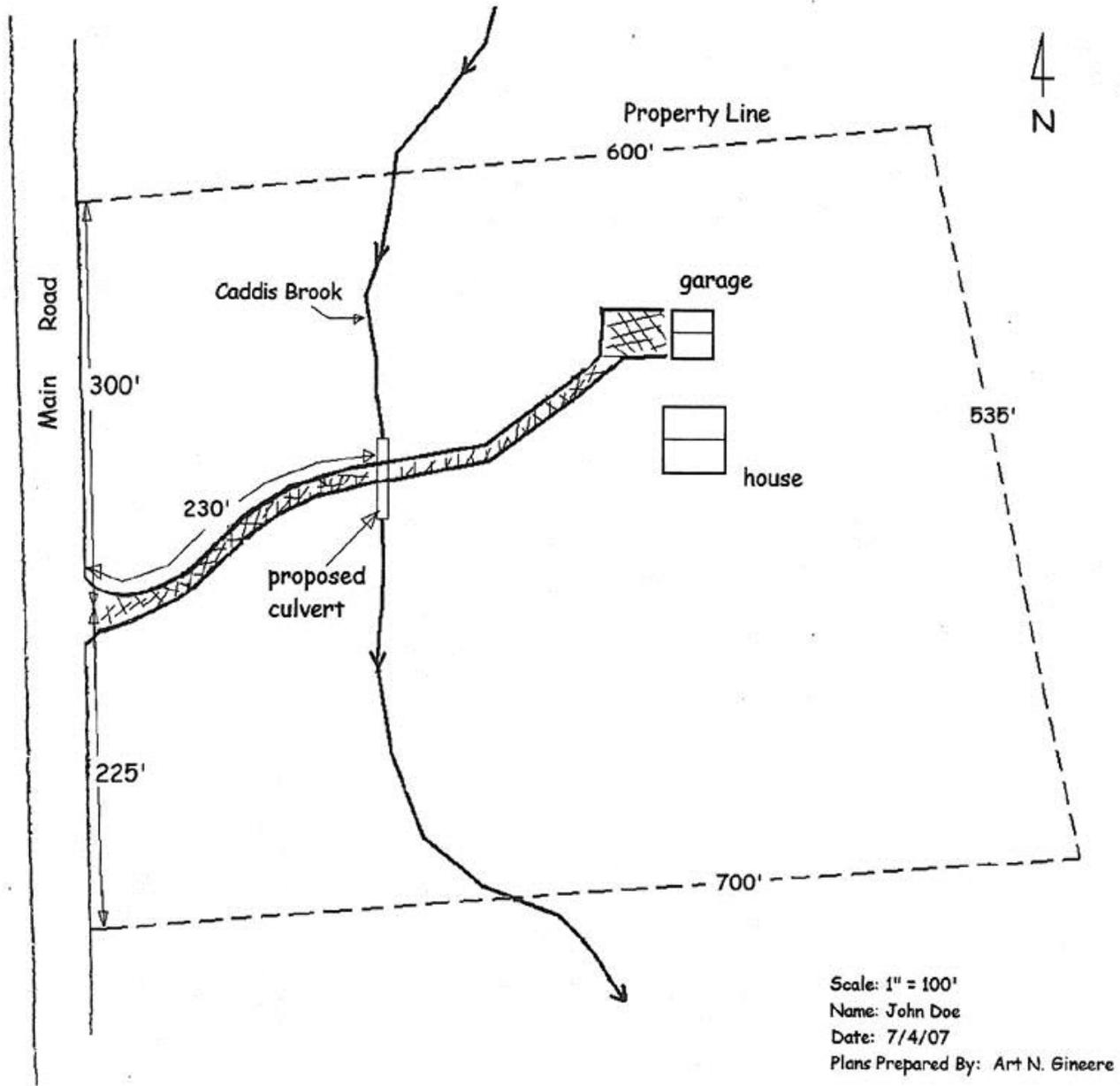
APPLICANT NAME
PLANS PREPARED BY
DATE PREPARED

PROPOSED BOAT RAMP, PIER, MOORING BUOY, JETTY OR GROIN IN/ALONG THE NAME OF STREAM RIVER/LAKE AT OR NEAR TOWN, TOWNSHIP & COUNTY



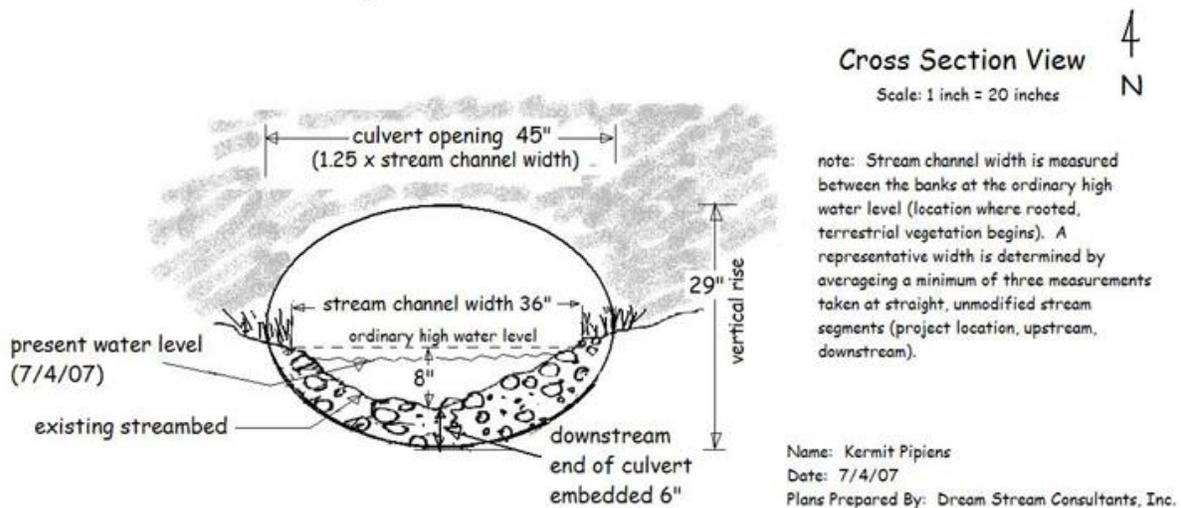
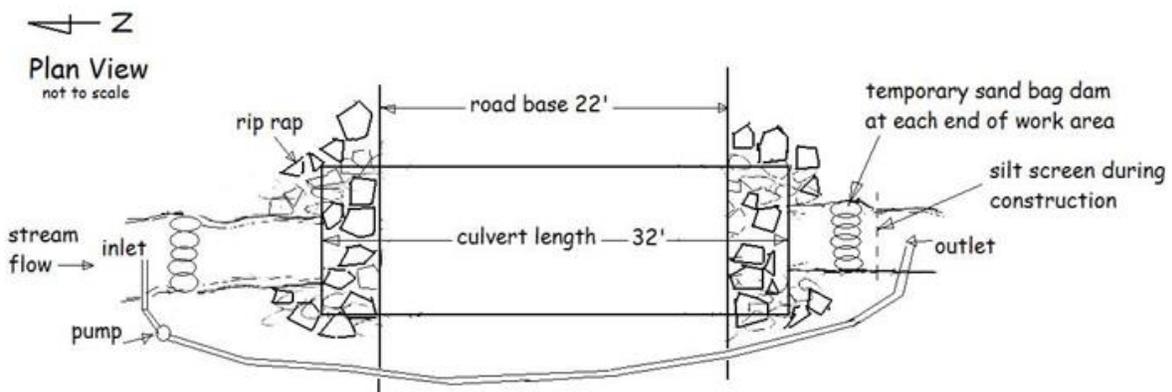
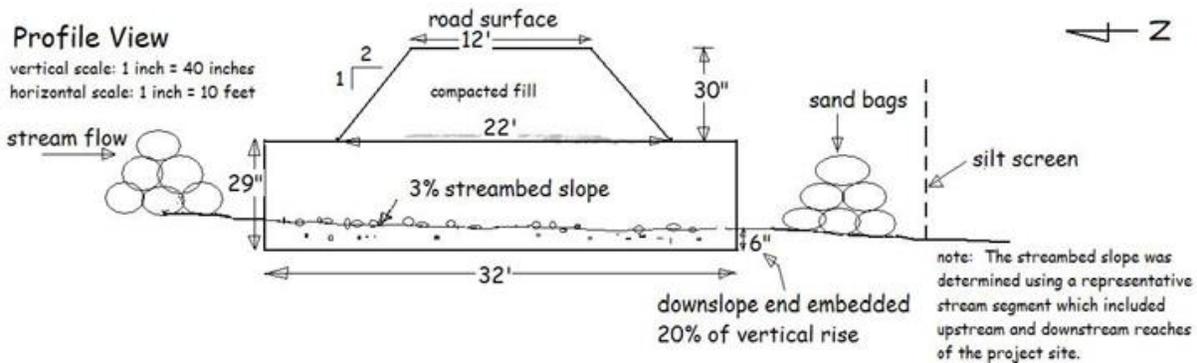
GENERAL SITE PLAN - Culvert Project

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.



PROJECT PLANS - Culvert

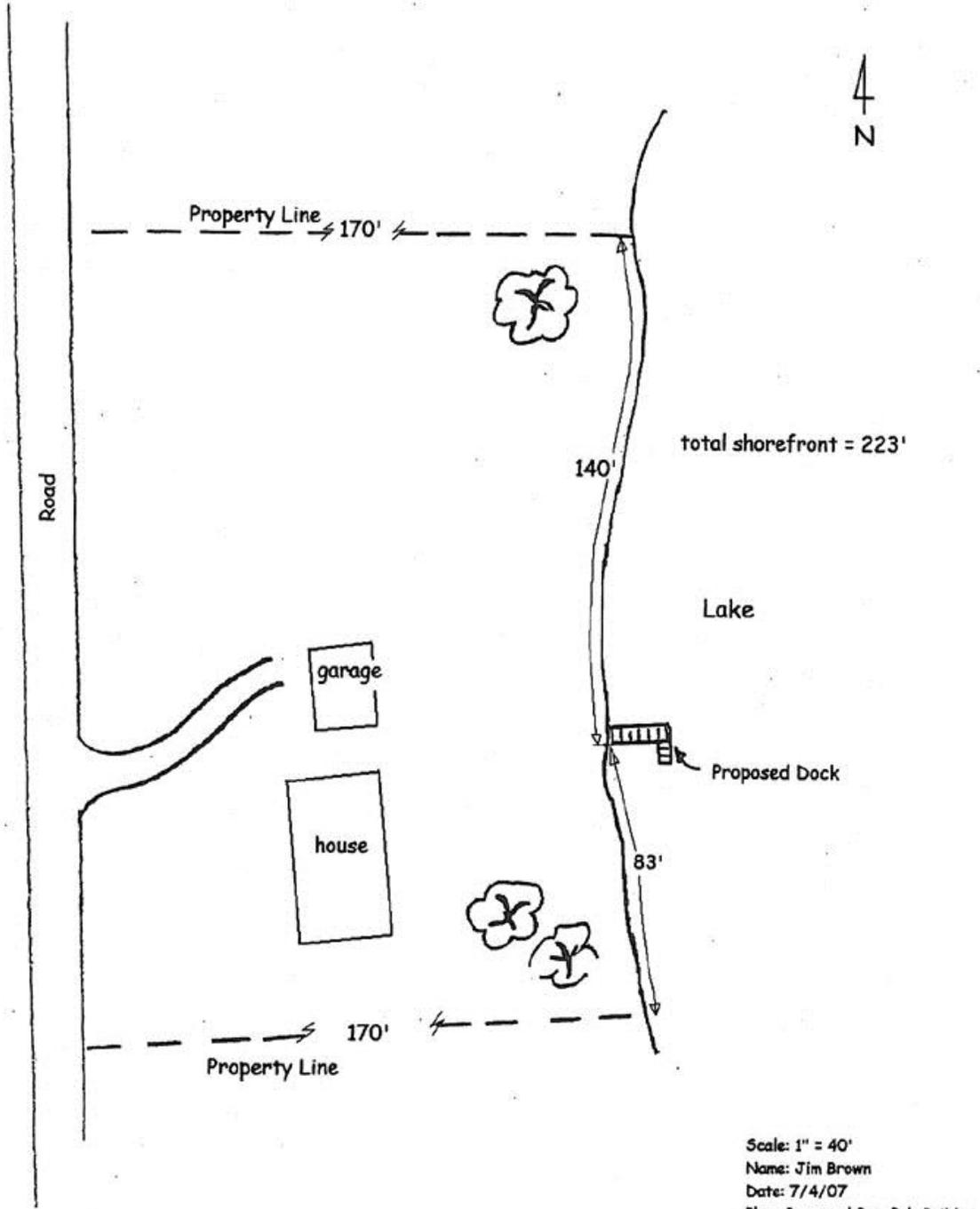
This **SAMPLE DRAWING** provides an example of the level of detail required for DEC review purposes. Project plans must reflect **your** specific site conditions and **your** proposed project. Use separate sheets of paper if necessary, and include all 'before' and 'after' details.



Name: Kermit Pipiens
 Date: 7/4/07
 Plans Prepared By: Dream Stream Consultants, Inc.

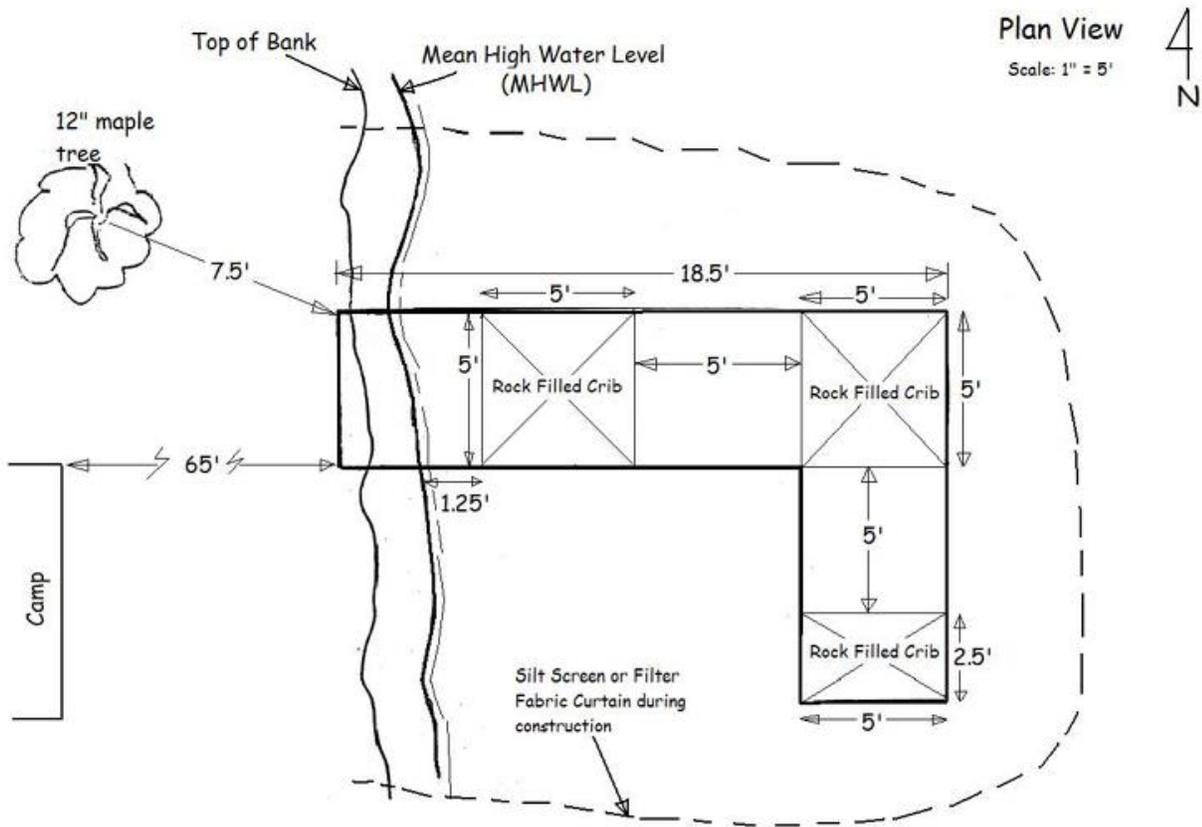
GENERAL SITE PLAN - Dock

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.

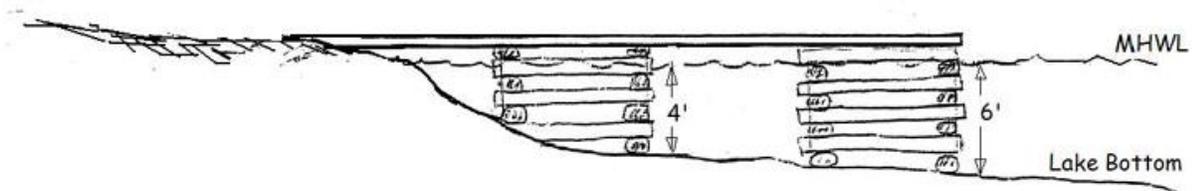


PROJECT PLANS - DOCK

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.



Cross Section View
Scale: 1" = 8'

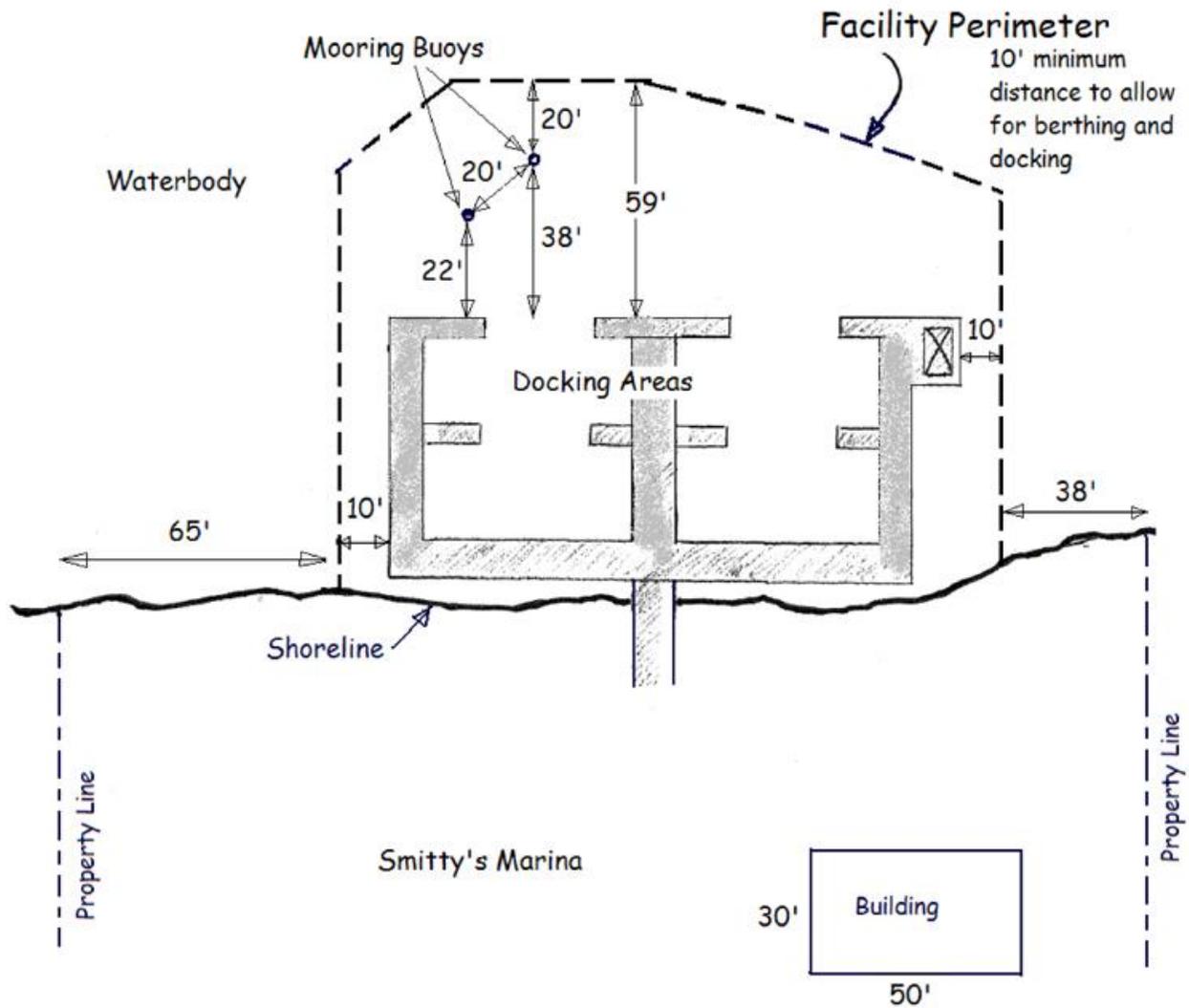


Name: Jill Jones
Date: 7/4/07
Plans Prepared By: Jill Jones

4
N

DOCKING/MOORING - FACILITY PERIMETER

Sample Drawing

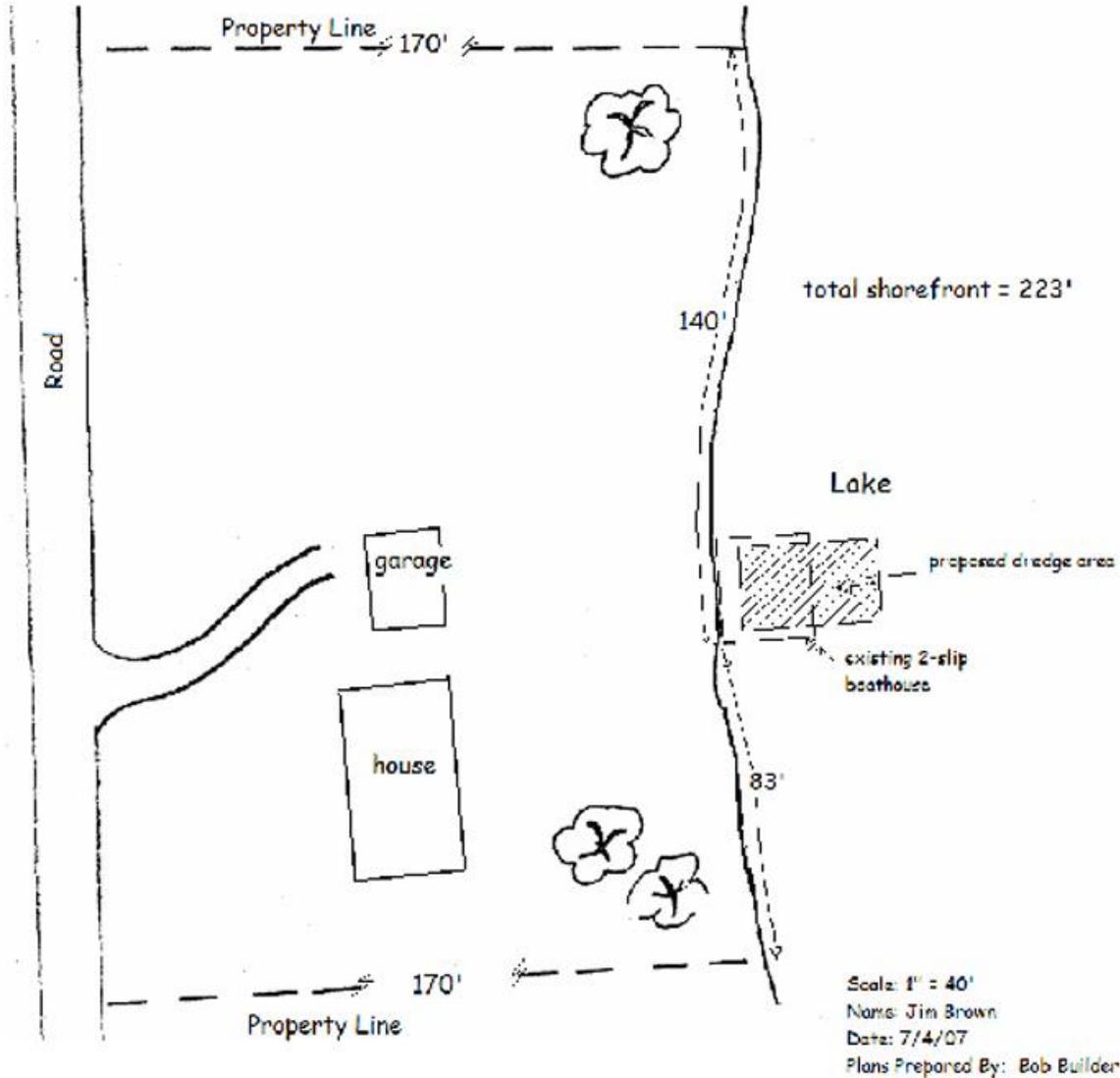


Scale: 1" = 40'
Name: John Smith
Date: 7/4/07
Plans Prepared By: Bob Builder



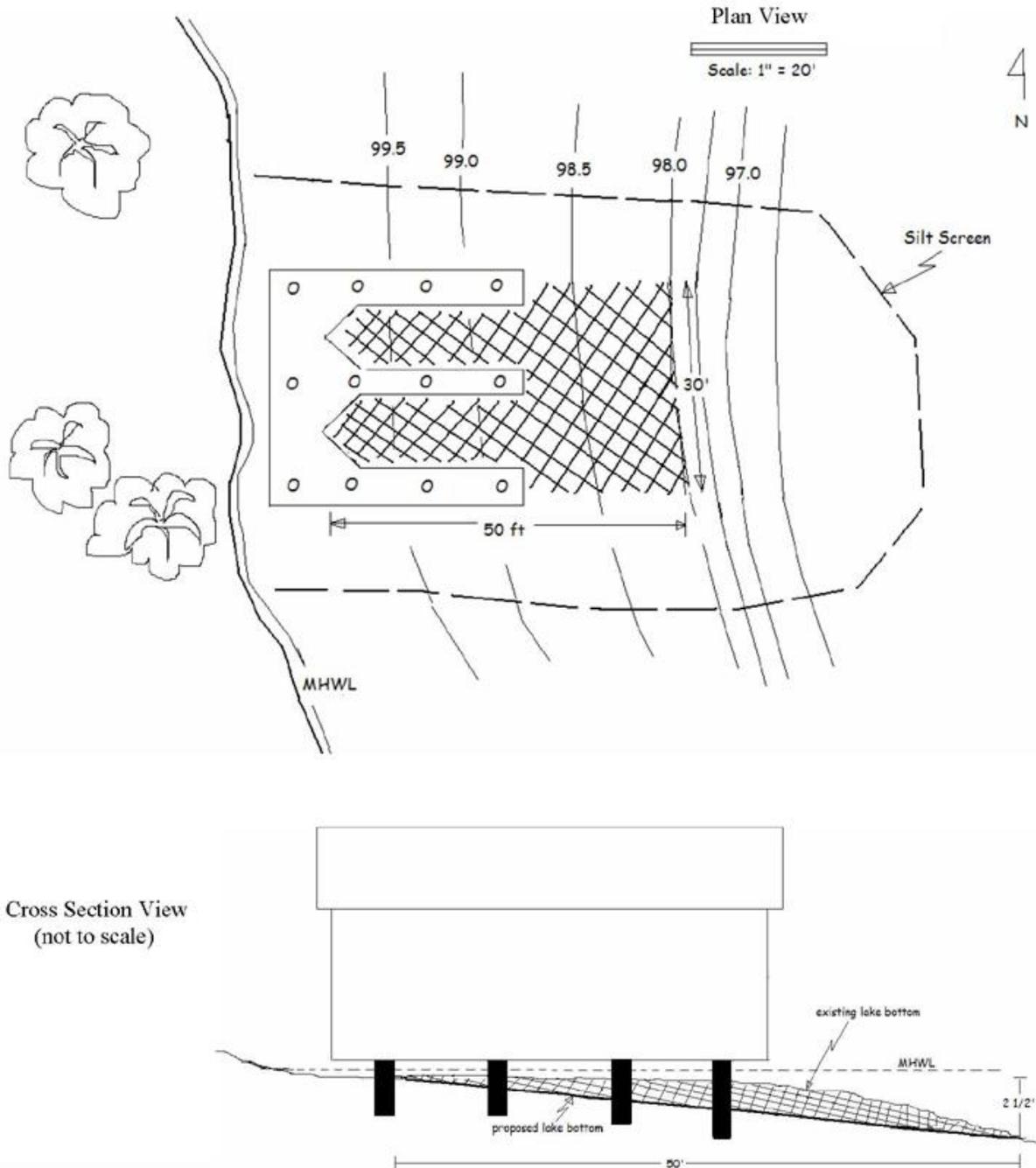
GENERAL SITE PLAN - Dredging Project

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.



PROJECT PLANS - DREDGING

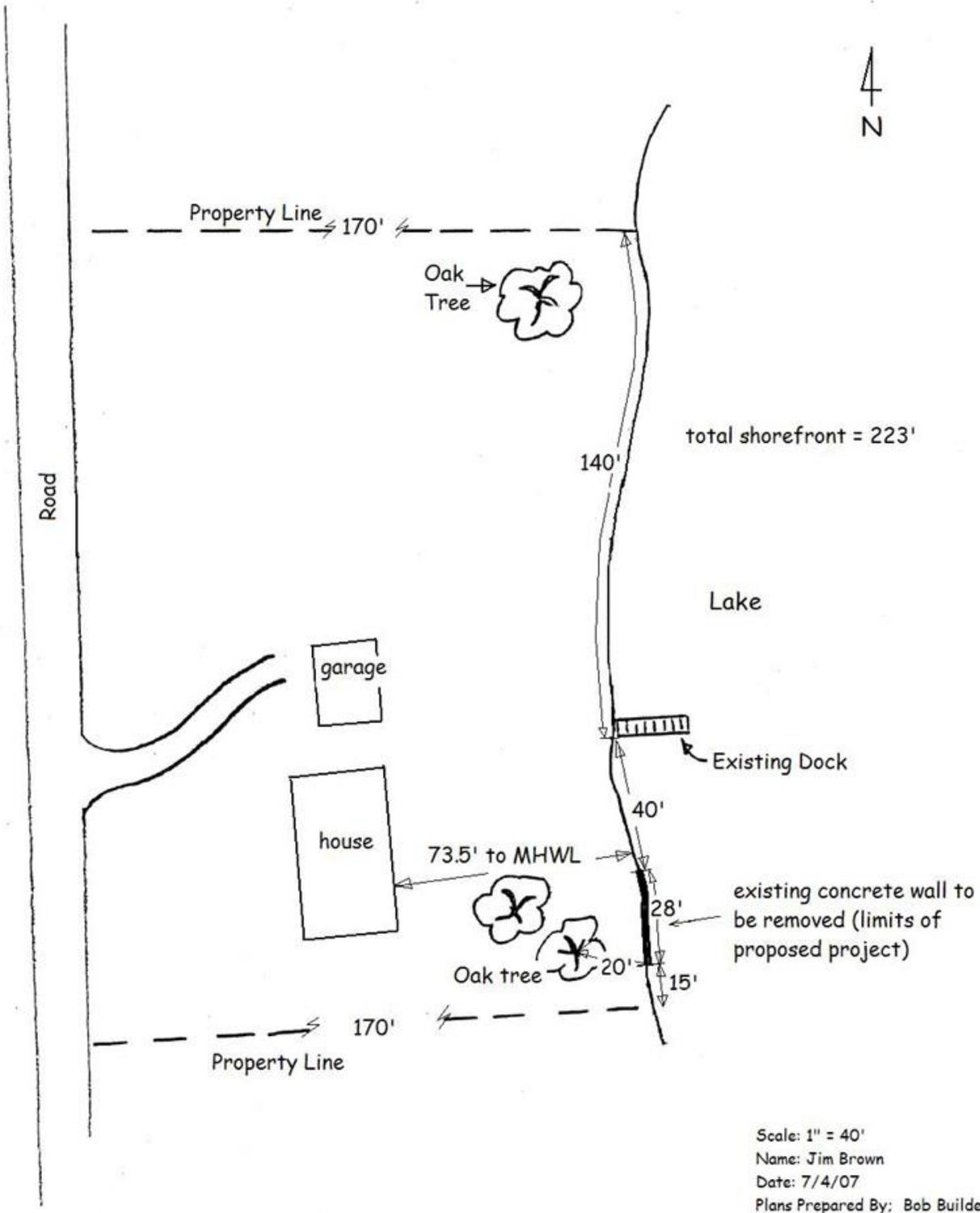
This SAMPLE DRAWING provides an example of the level of detail required for DEC review purposes. Project plans must reflect **your** specific site conditions and **your** proposed project. Use separate sheets of paper if necessary, and include all 'before' and 'after' details.



Name: _____
Date: _____
Plans Prepared By: _____

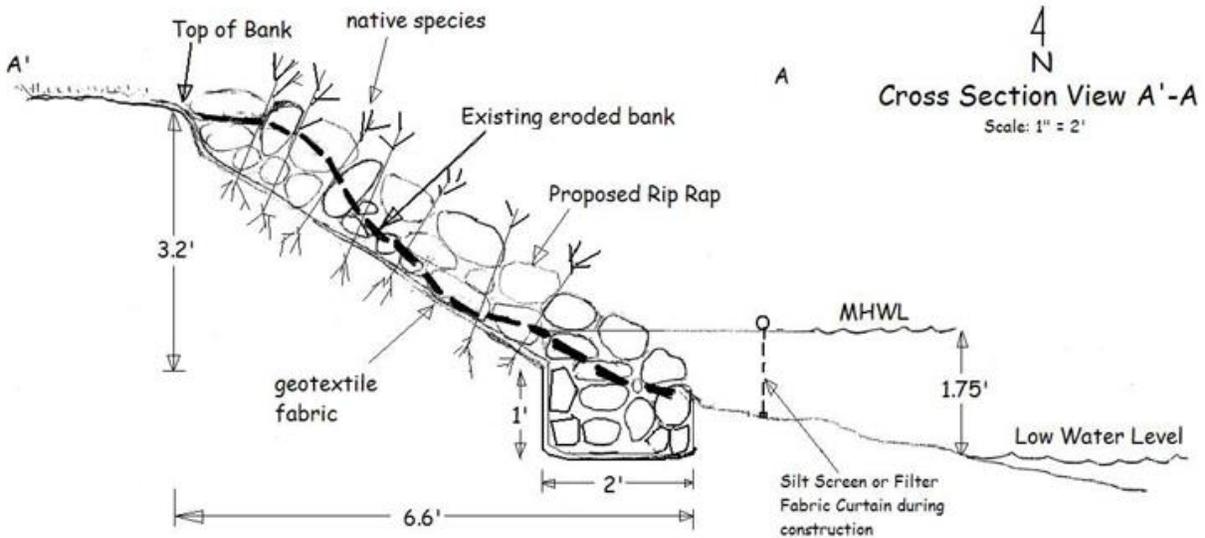
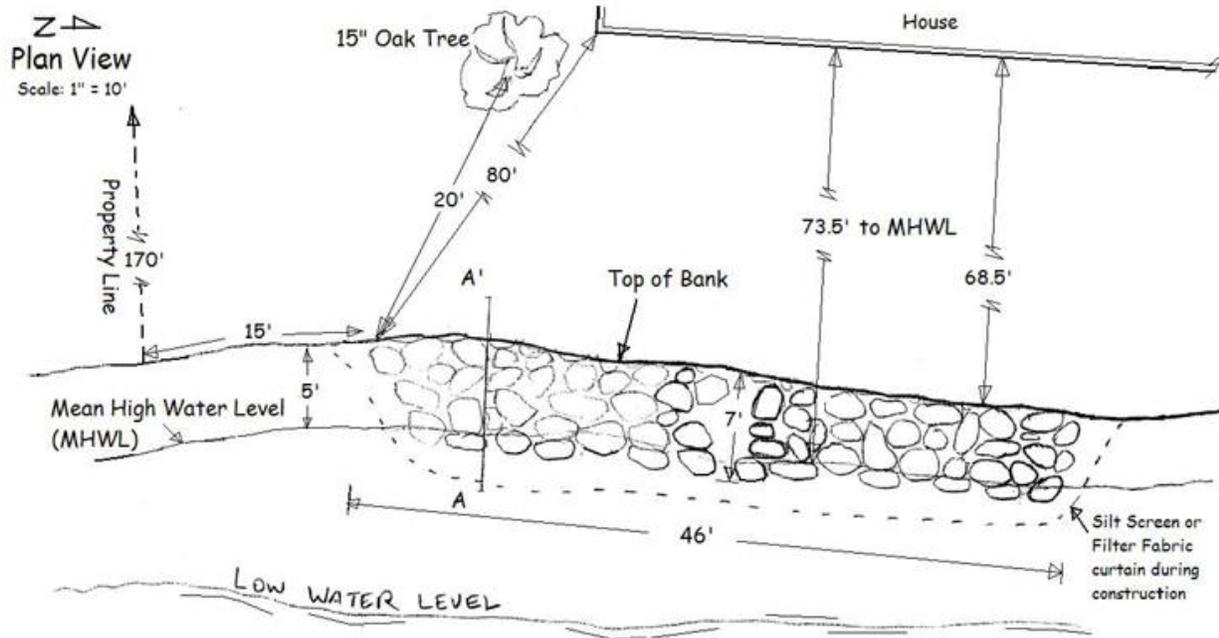
GENERAL SITE PLAN - Shoreline Project

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.



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.



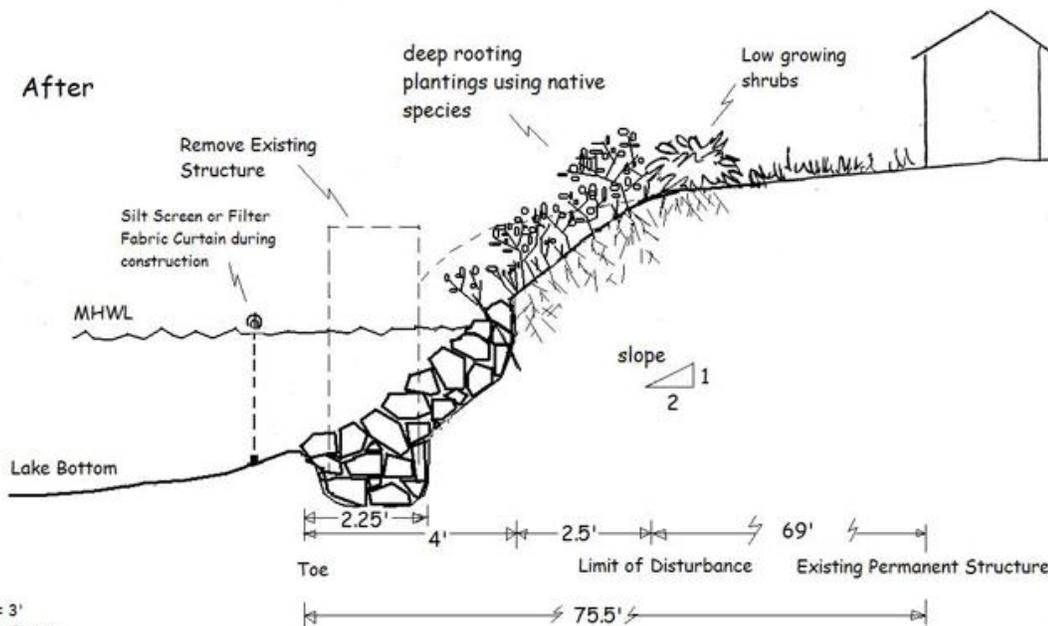
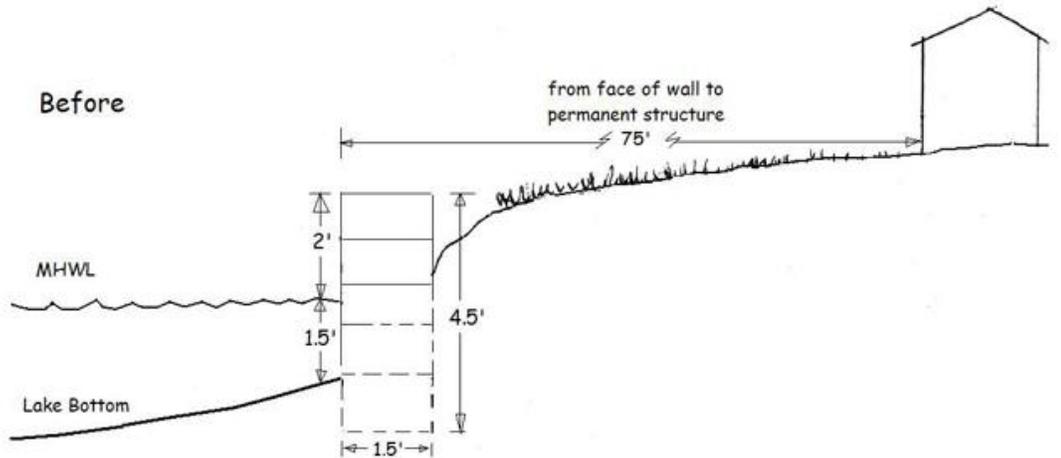
Name: Bill and Mary Johnson
Date: 7/4/07
Plans Prepared By: Jane R. Kittect

Project Plan for a Shoreline Stabilization Project Removing a Vertical Wall

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.

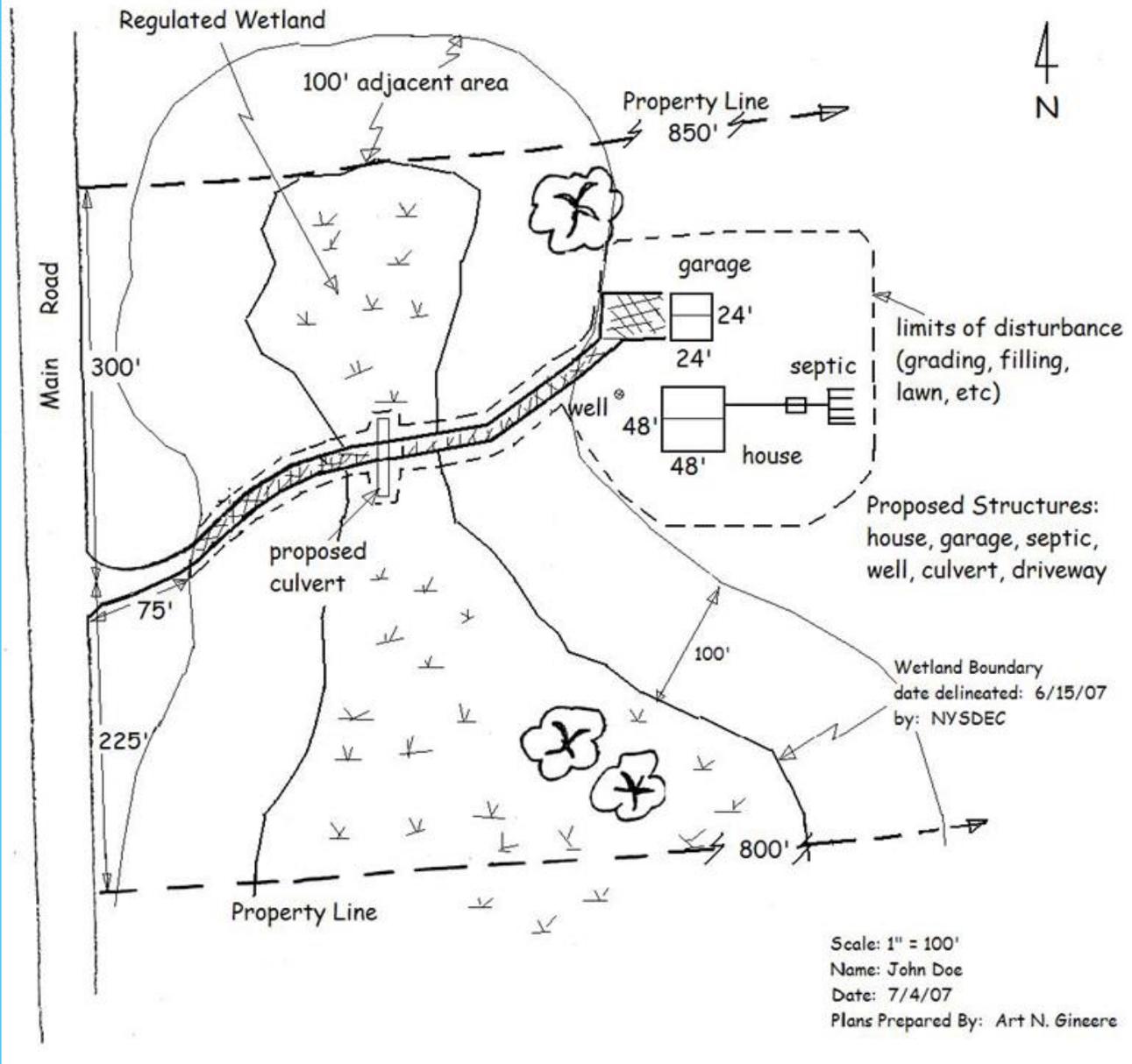
4
N



Scale: 1" = 3'
Name: Jim Brown
Date: 7/4/07
Plans Prepared By: Bob Builder

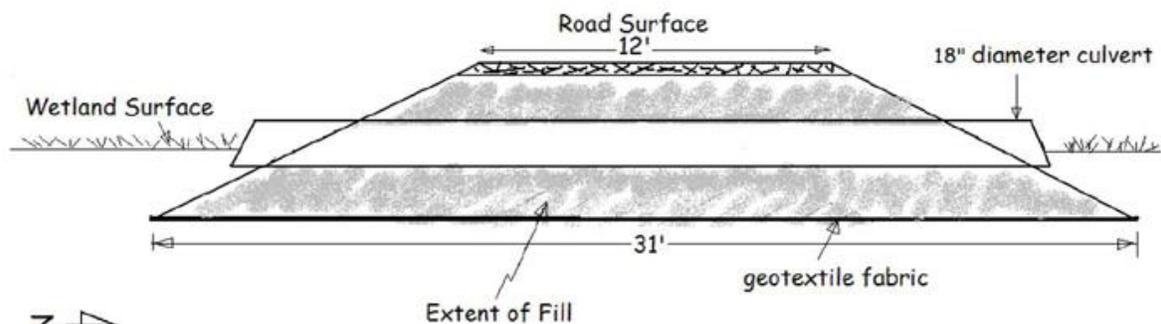
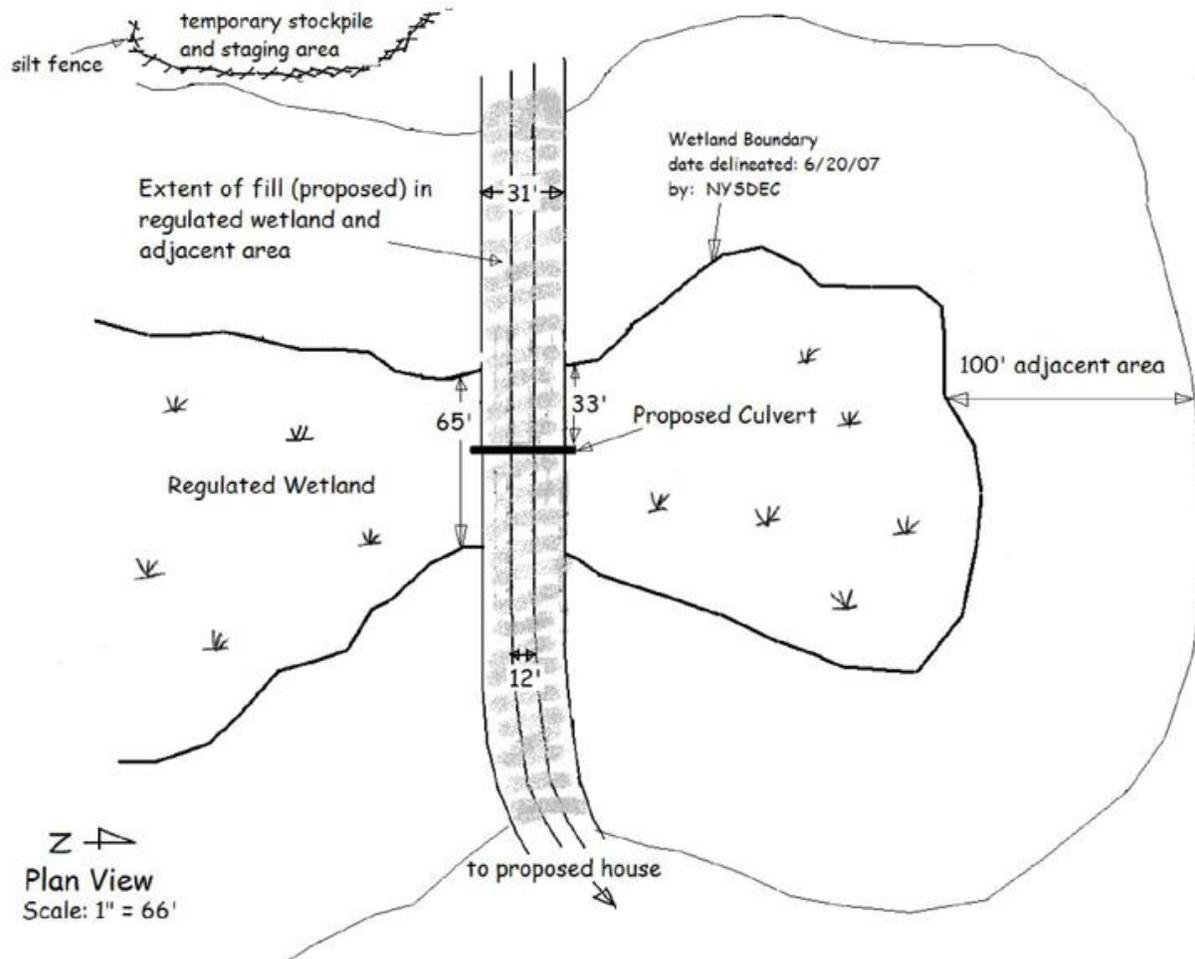
GENERAL SITE PLAN - Wetland Project

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.



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.



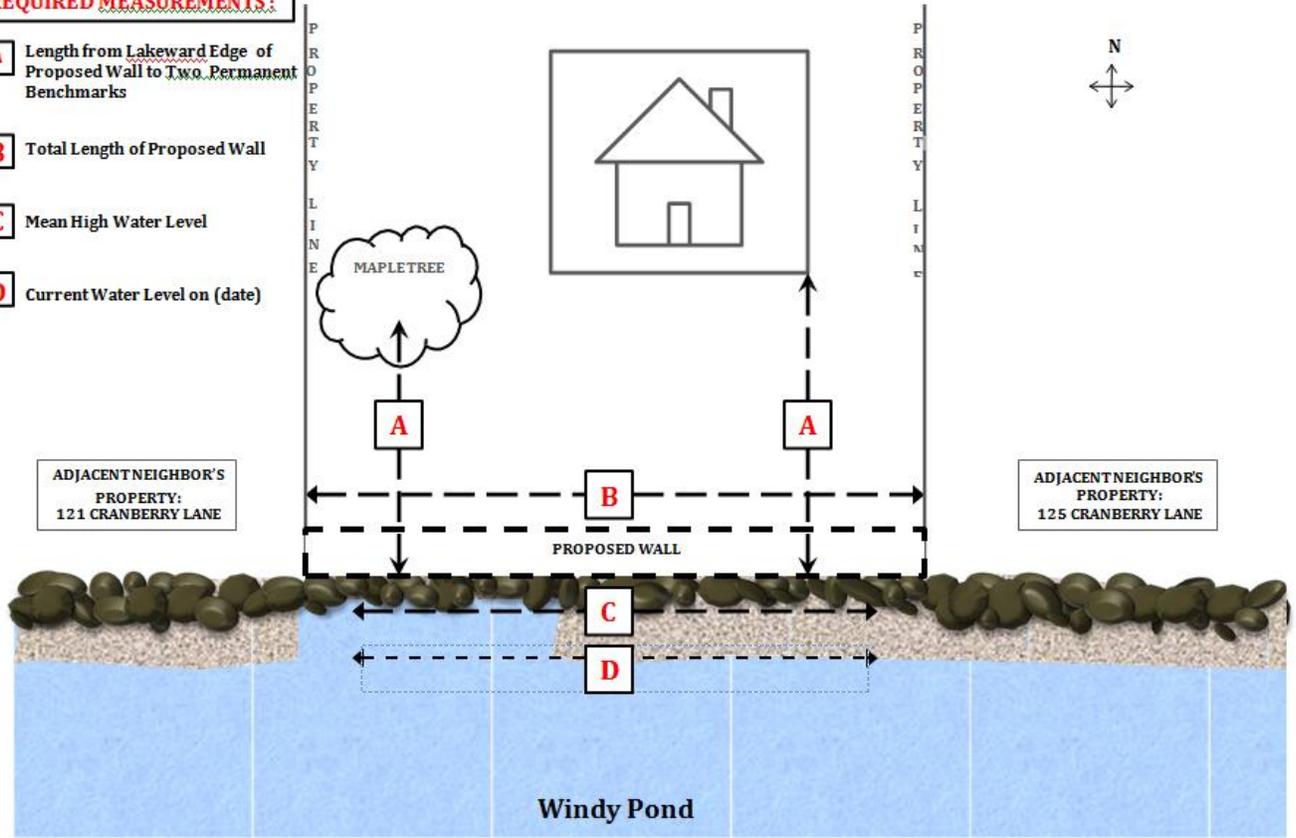
Note: slope of fill not to exceed 2 horizontal to 1 vertical

Name: John Doe
Date: 7/4/07
Plans Prepared By: Art N. Gineere

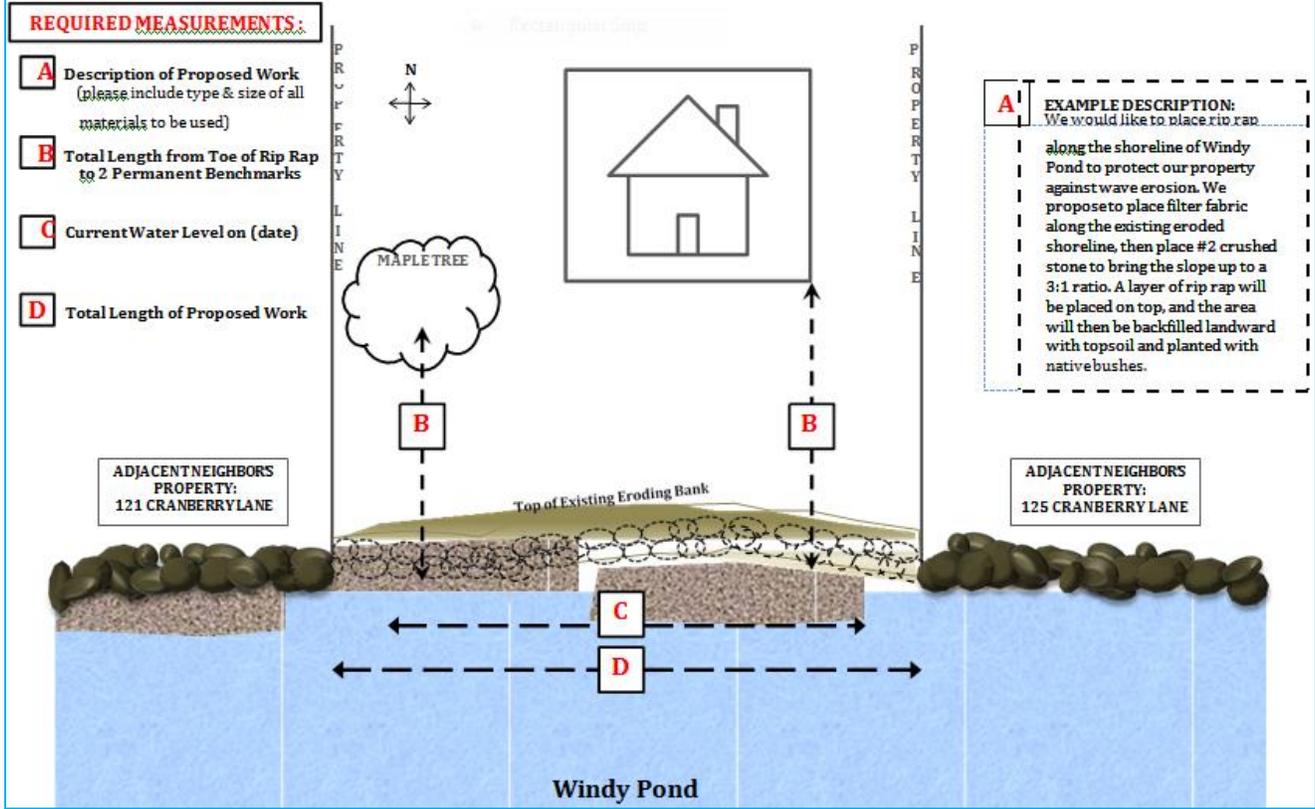
EXAMPLE VERTICAL WALL PROJECT PLAN: 123 CRANBERRY LANE SYRACUSE, NY 12345

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)



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



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)

