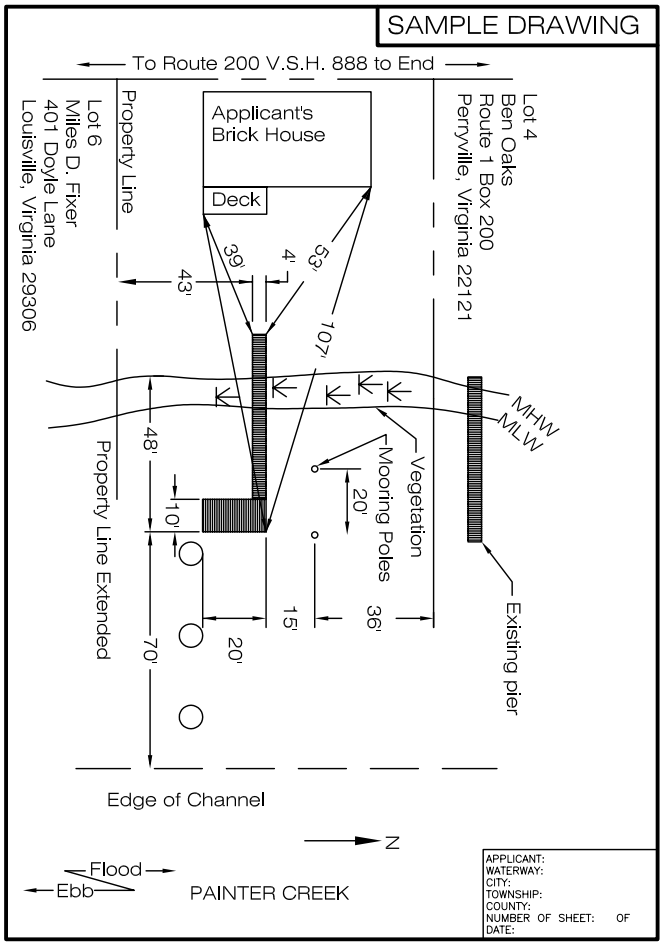
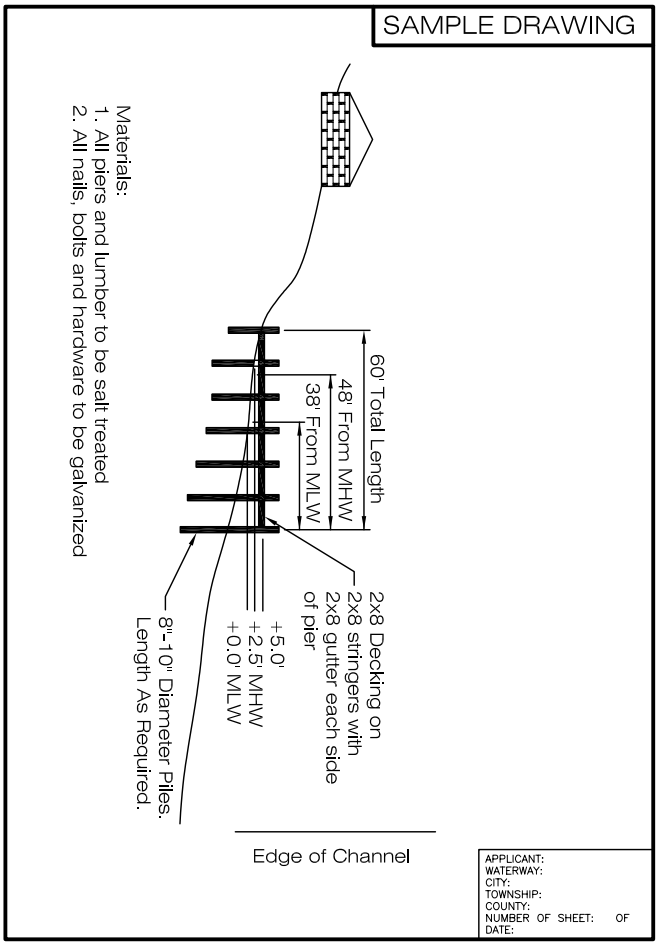
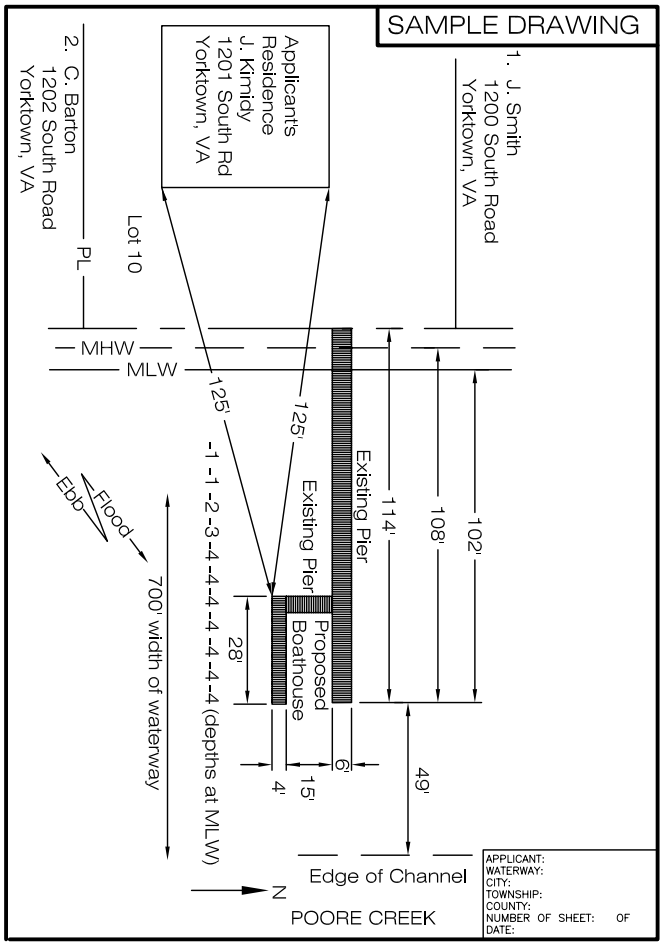
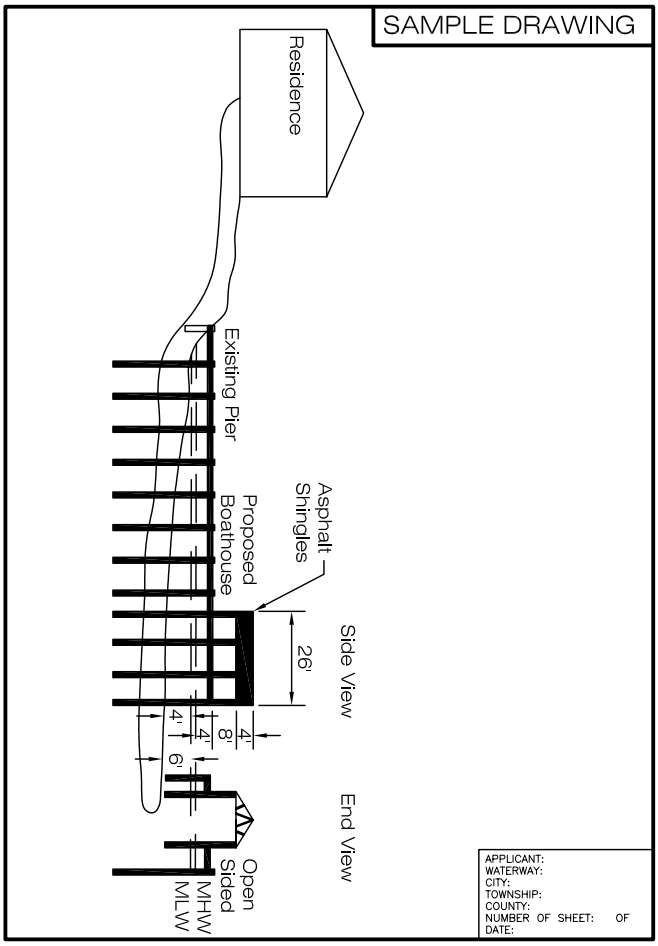


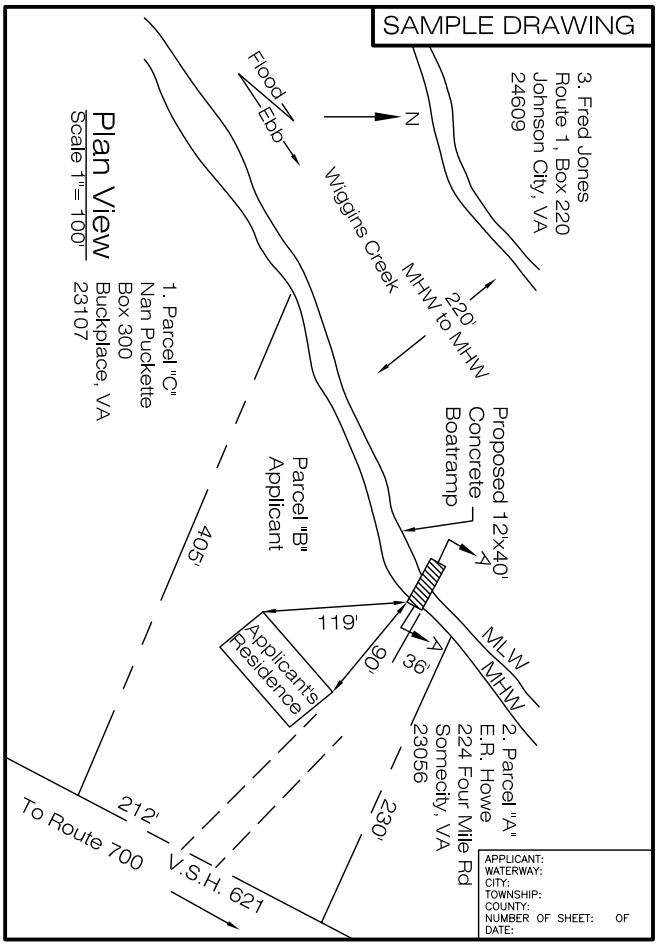


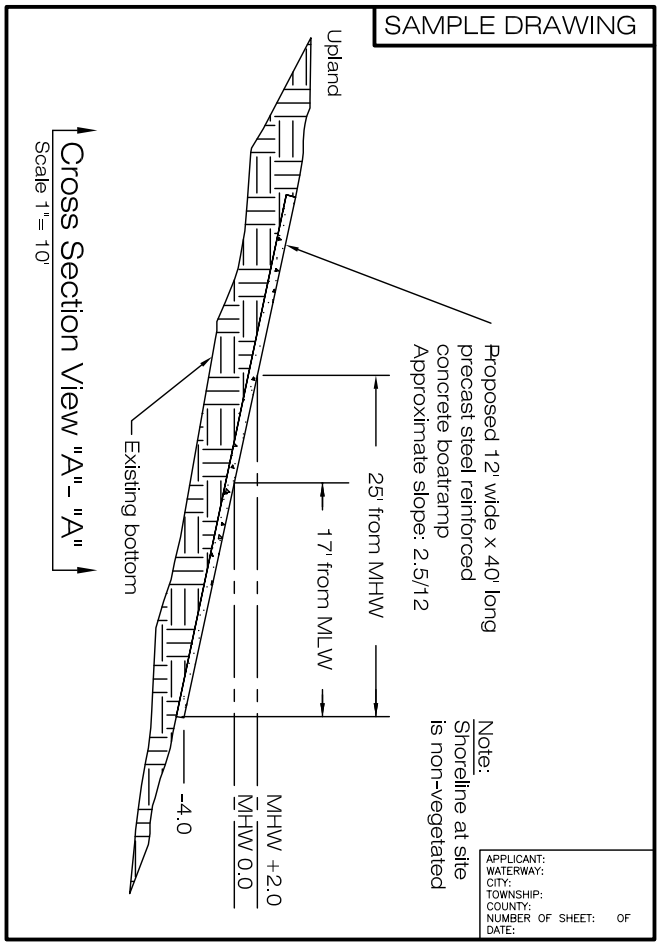
Private Piers & Marginal Wharves



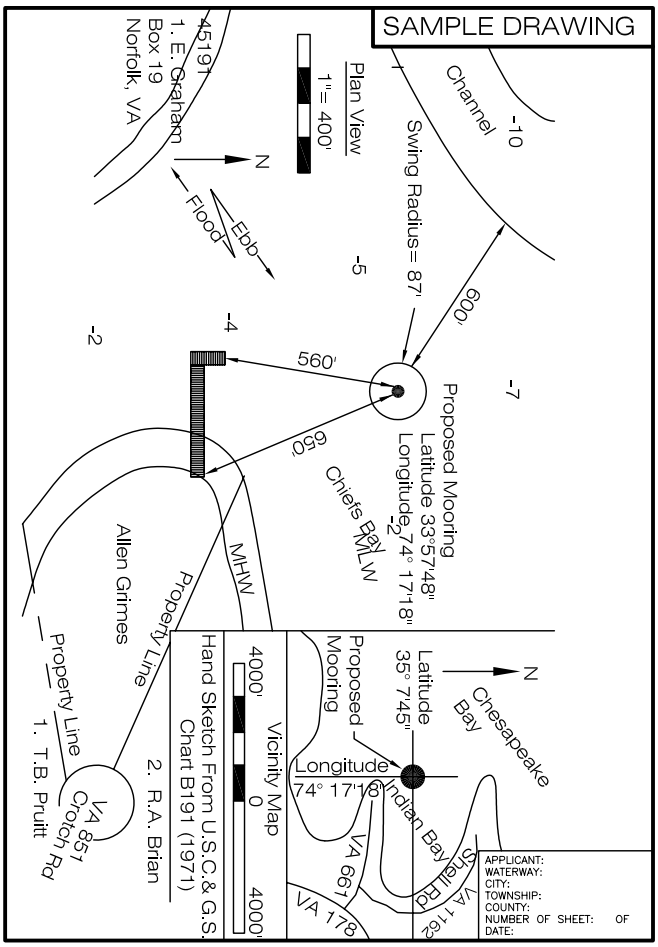


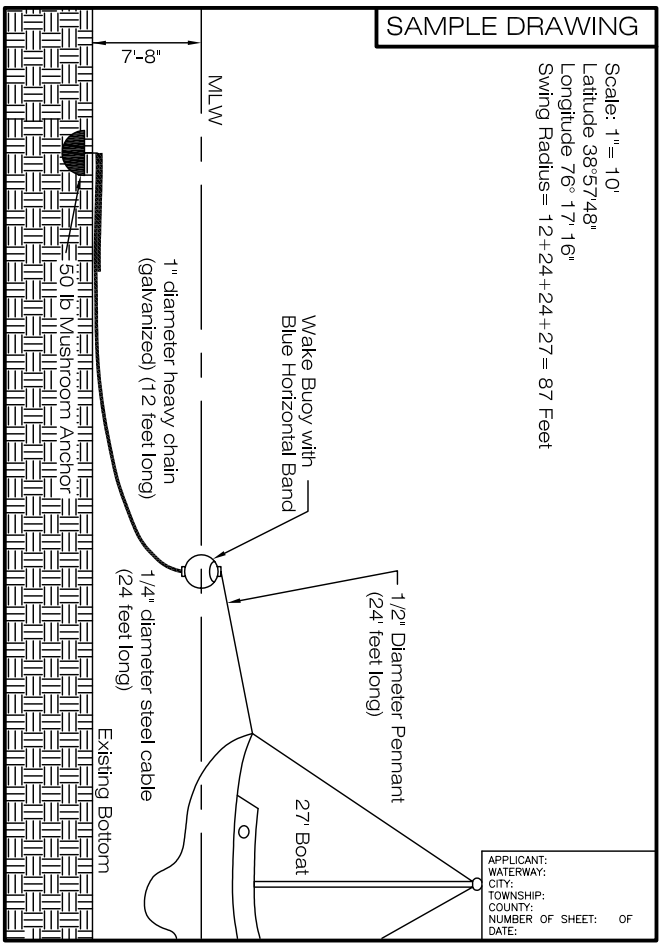
Boathouses



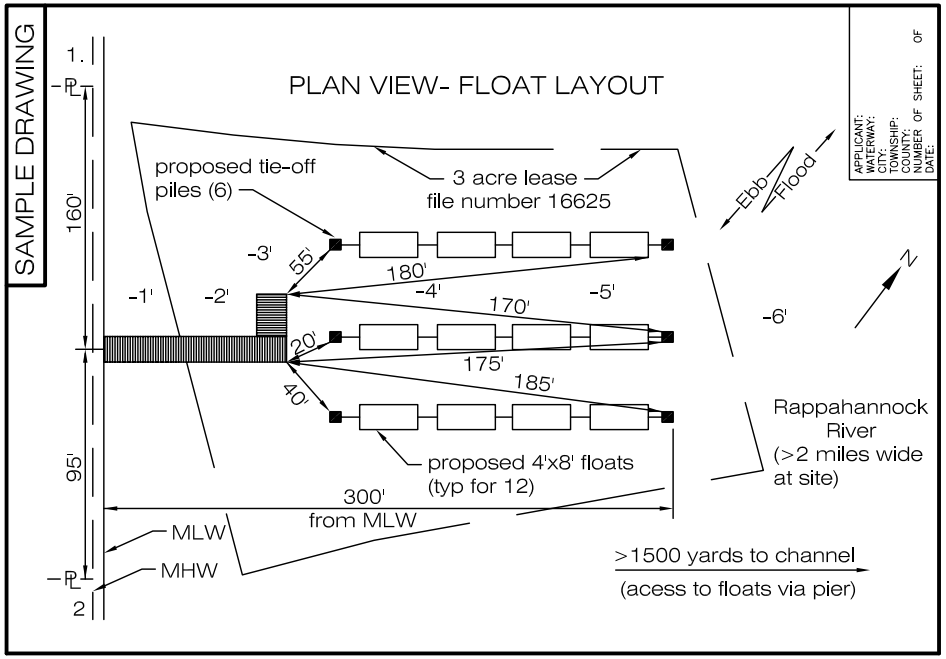


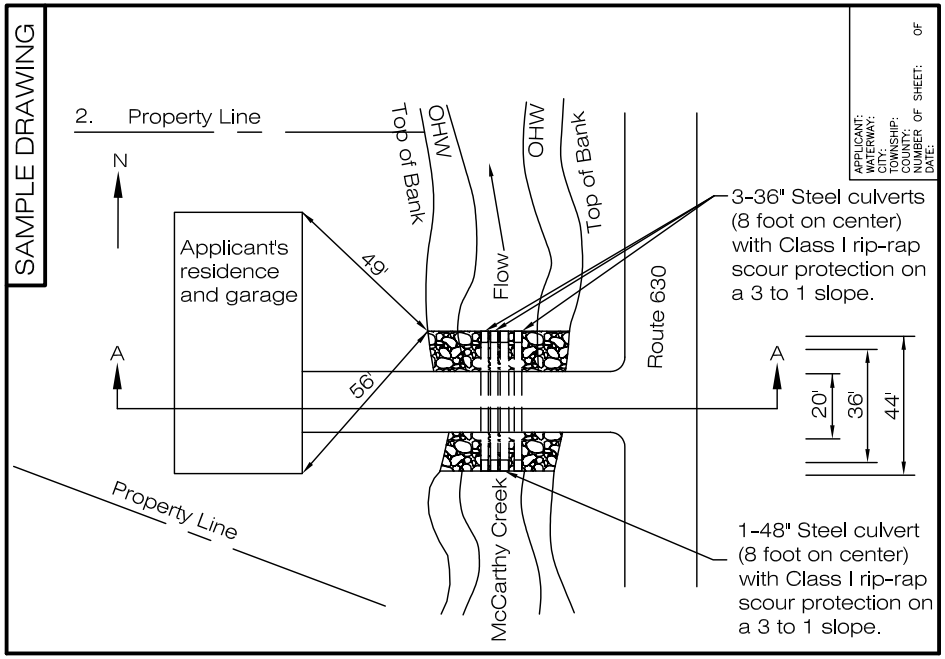
Boat Ramps

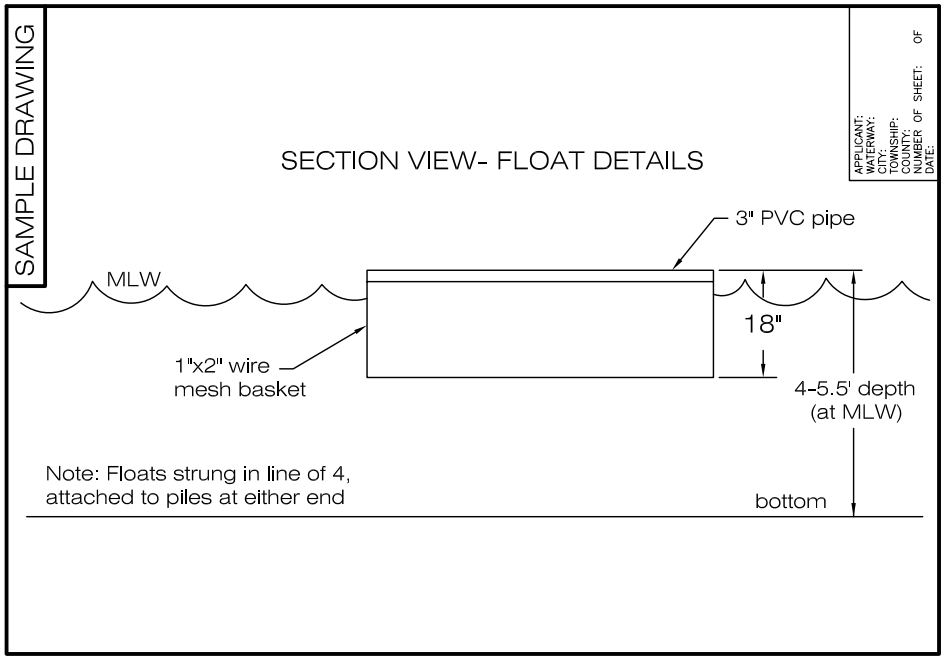


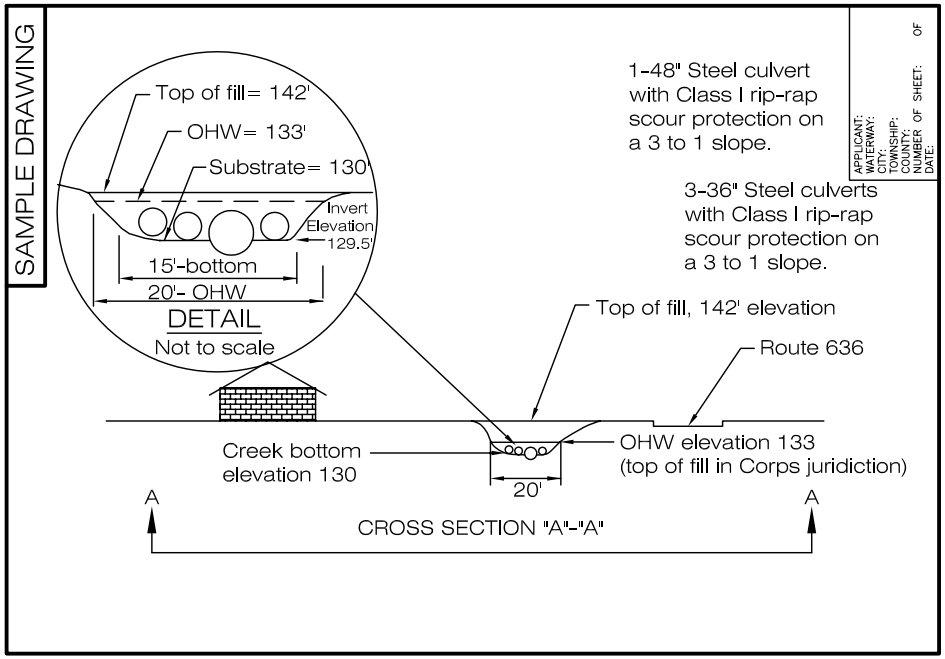


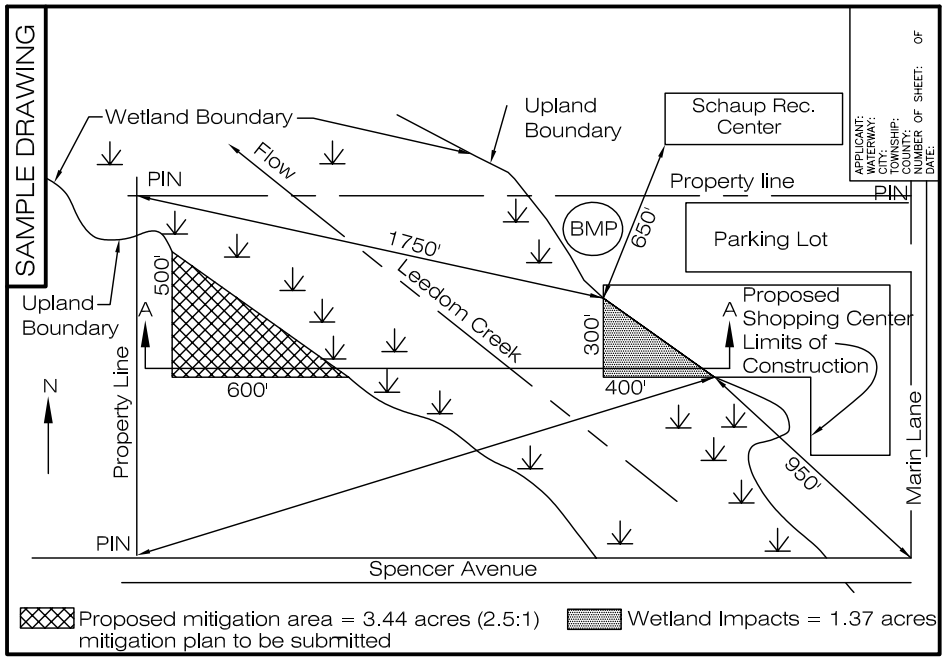
Dolphins or Moorings

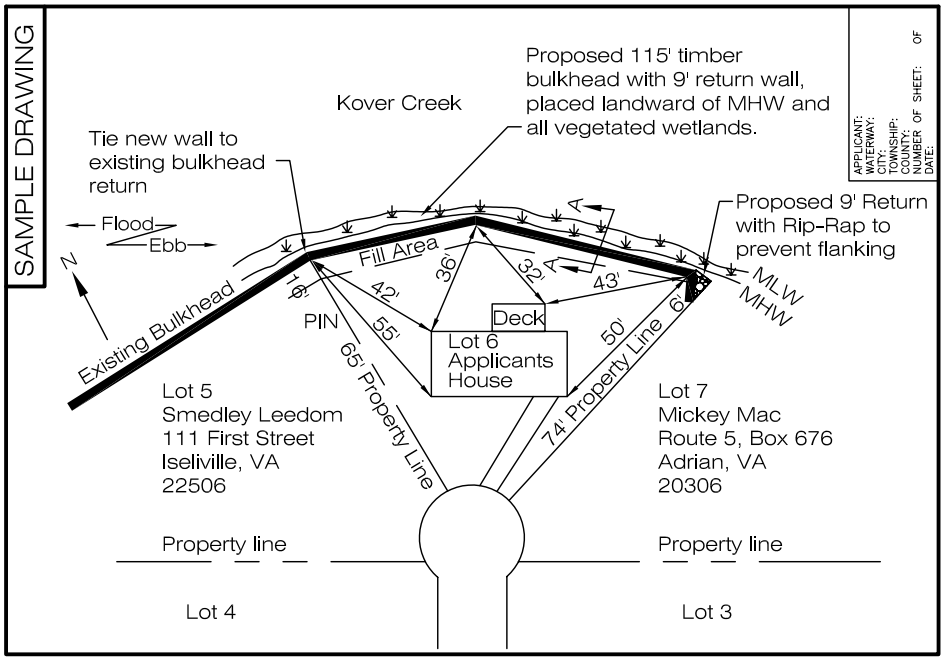

SAMPLE DRAWING
PLAN VIEW- FLOAT LAYOUT
1.
P
160'
proposed tie-off piles (6)
3 acre lease file number 16625
-3'
55'
180'
-1'
-2'
-4'
170'
-5'
20'
175'
185'
40'
-6'
Ebb
Flood
N
Rappahannock River (>2 miles wide at site)
proposed 4'x8' floats (typ for 12)
95'
300' from MLW
MLW
MHW
P
2
>1500 yards to channel
(acess to floats via pier)
APPLICANT:
WATERWAY:
CITY:
TOWNSHIP:
COUNTY:
NUMBER OF SHEET: OF
DATE:

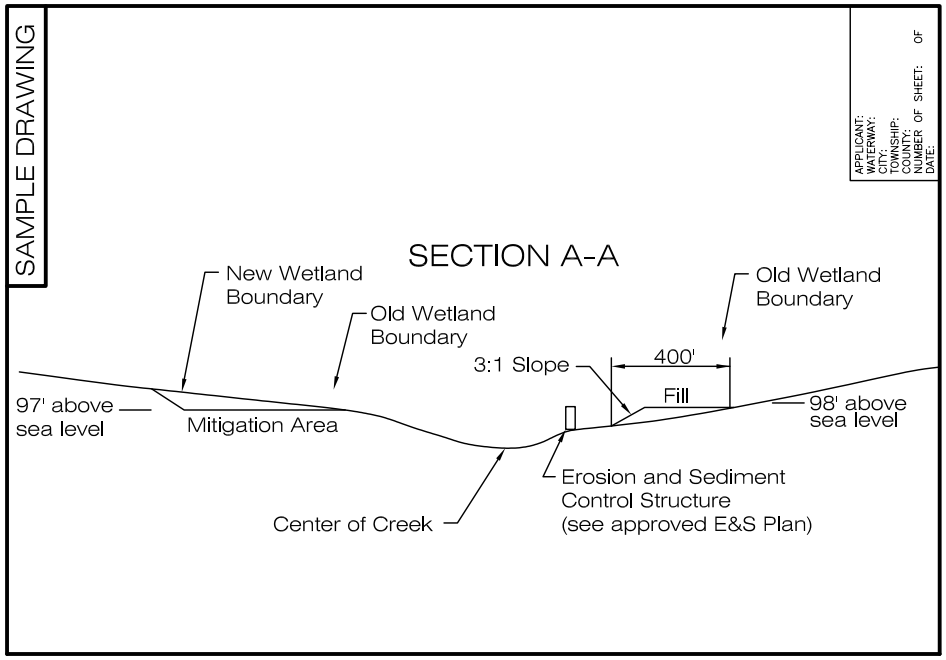

SAMPLE DRAWING
2. Property Line
N
Applicant's residence and garage
49'
56'
Top of Bank
OHW
Flow
OHW
Top of Bank
Route 630
A
A
3-36" Steel culverts (8 foot on center) with Class I rip-rap scour protection on a 3 to 1 slope.
20'
36'
44'
Property Line
McCarthy Creek
1-48" Steel culvert (8 foot on center) with Class I rip-rap scour protection on a 3 to 1 slope.
APPLICANT:
WATERWAY:
CITY:
TOWNSHIP:
COUNTY:
NUMBER OF SHEET: OF
DATE:

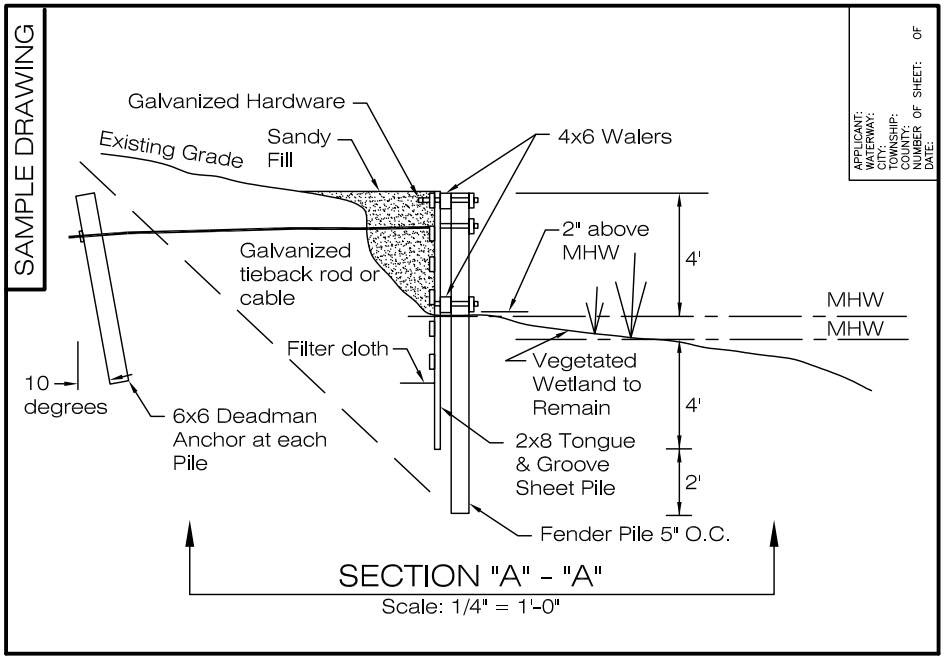

SAMPLE DRAWING
SECTION VIEW- FLOAT DETAILS
3" PVC pipe
MLW
18"
1"x2" wire mesh basket
4-5.5' depth (at MLW)
Note: Floats strung in line of 4, attached to piles at either end
bottom
APPLICANT:
WATERWAY:
CITY:
TOWNSHIP:
COUNTY:
NUMBER OF SHEET: OF
DATE:

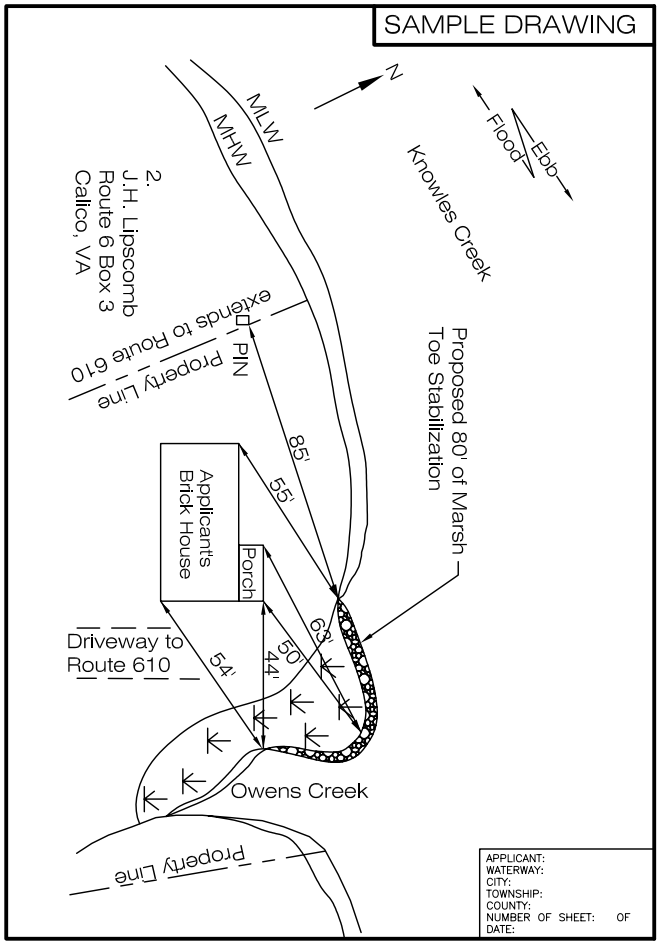

SAMPLE DRAWING
Top of fill= 142'
OHW= 133'
Substrate= 130'
Invert Elevation 129.5'
15'-bottom
20'- OHW
DETAIL
Not to scale
1-48" Steel culvert with Class I rip-rap scour protection on a 3 to 1 slope.
3-36" Steel culverts with Class I rip-rap scour protection on a 3 to 1 slope.
Top of fill, 142' elevation
Route 636
Creek bottom elevation 130
OHW elevation 133 (top of fill in Corps juridiction)
20'
A
A
CROSS SECTION "A"-"A"
APPLICANT:
WATERWAY:
CITY:
TOWNSHIP:
COUNTY:
NUMBER OF SHEET: OF
DATE:

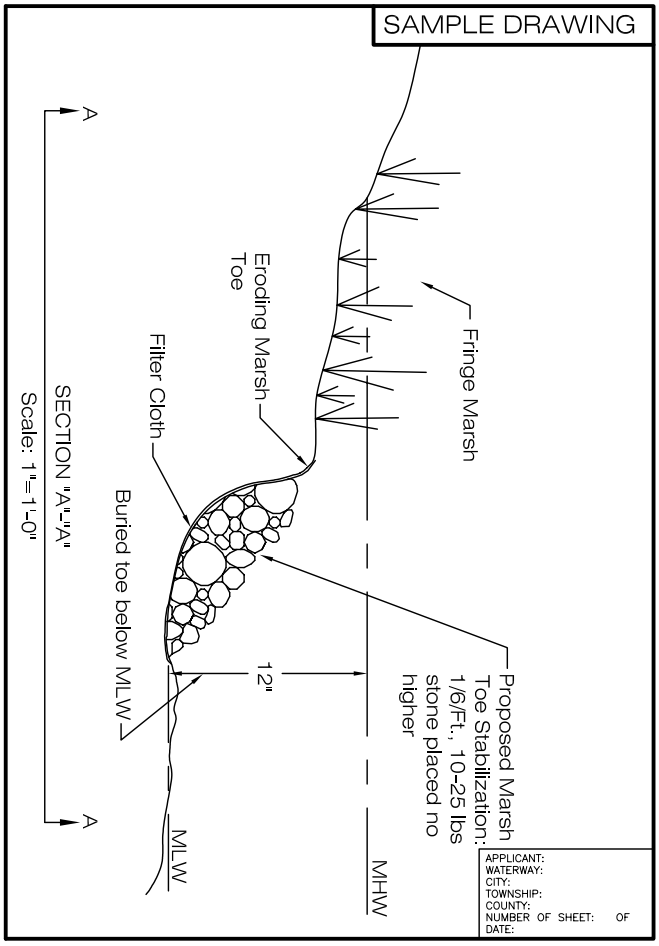

SAMPLE DRAWING
APPLICANT:
WATERWAY:
CITY:
TOWNSHIP:
COUNTY:
NUMBER OF SHEET: OF
DATE:
Wetland Boundary
Upland Boundary
Schaup Rec. Center
Flow
PIN
Property line
PIN
BMP
650'
Parking Lot
1750'
Leedom Creek
500'
Upland Boundary
A
300'
A
Proposed Shopping Center Limits of Construction
N
600'
400'
Property Line
950'
Marin Lane
PIN
Spencer Avenue
Proposed mitigation area = 3.44 acres (2.5:1) mitigation plan to be submitted
Wetland Impacts = 1.37 acres


SAMPLE DRAWING
APPLICANT:
WATERWAY:
CITY:
TOWNSHIP:
COUNTY:
NUMBER OF SHEET: OF
DATE:
Proposed 115' timber bulkhead with 9' return wall, placed landward of MHW and all vegetated wetlands.
Kover Creek
Tie new wall to existing bulkhead return
Flood
Ebb
N
Proposed 9' Return with Rip-Rap to prevent flanking
A
A
Fill Area
36'
32'
43'
42'
55'
MLW
MHW
Existing Bulkhead
PIN
Deck
Lot 6 Applicants House
50'
6'
65' Property Line
74' Property Line
Lot 5
Smedley Leedom
111 First Street
Iseliville, VA
22506
Lot 7
Mickey Mac
Route 5, Box 676
Adrian, VA
20306
Property line
Property line
Lot 4
Lot 3

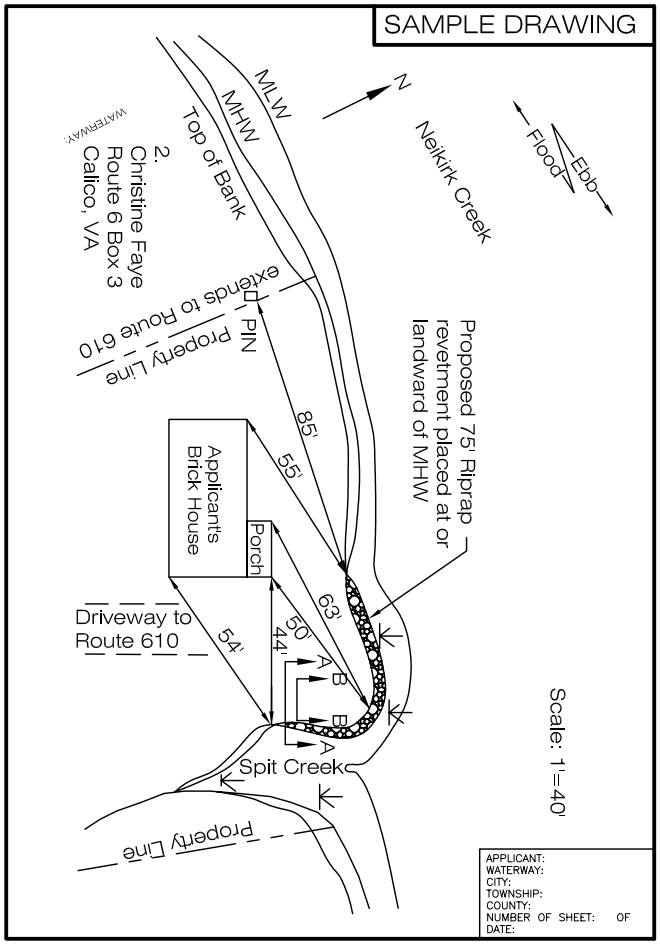

SAMPLE DRAWING
APPLICANT:
WATERWAY:
CITY:
TOWNSHIP:
COUNTY:
NUMBER OF SHEET: OF
DATE:
SECTION A-A
New Wetland Boundary
Old Wetland Boundary
Old Wetland Boundary
3:1 Slope
400'
Fill
97' above sea level
Mitigation Area
98' above sea level
Erosion and Sediment Control Structure (see approved E&S Plan)
Center of Creek

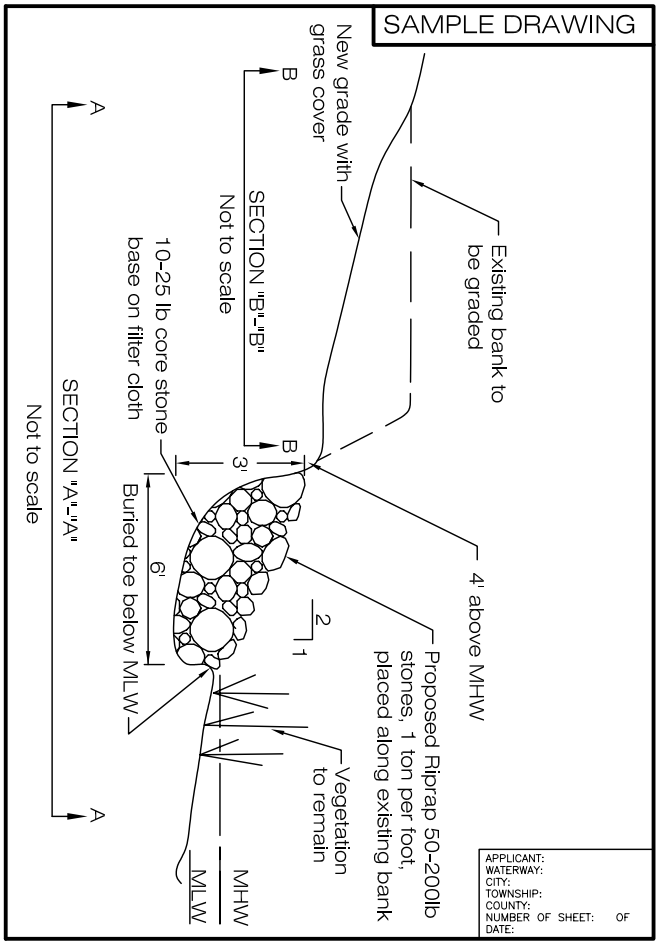

SAMPLE DRAWING
APPLICANT:
WATERWAY:
CITY:
TOWNSHIP:
COUNTY:
NUMBER OF SHEET: OF
DATE:
Galvanized Hardware
Existing Grade
Sandy Fill
4x6 Walers
2" above MHW
4'
Galvanized tieback rod or cable
MHW
MHW
Filter cloth
Vegetated Wetland to Remain
4'
10 degrees
6x6 Deadman Anchor at each Pile
2x8 Tongue & Groove Sheet Pile
2'
Fender Pile 5" O.C.
SECTION "A" - "A"
Scale: 1/4" = 1'-0"



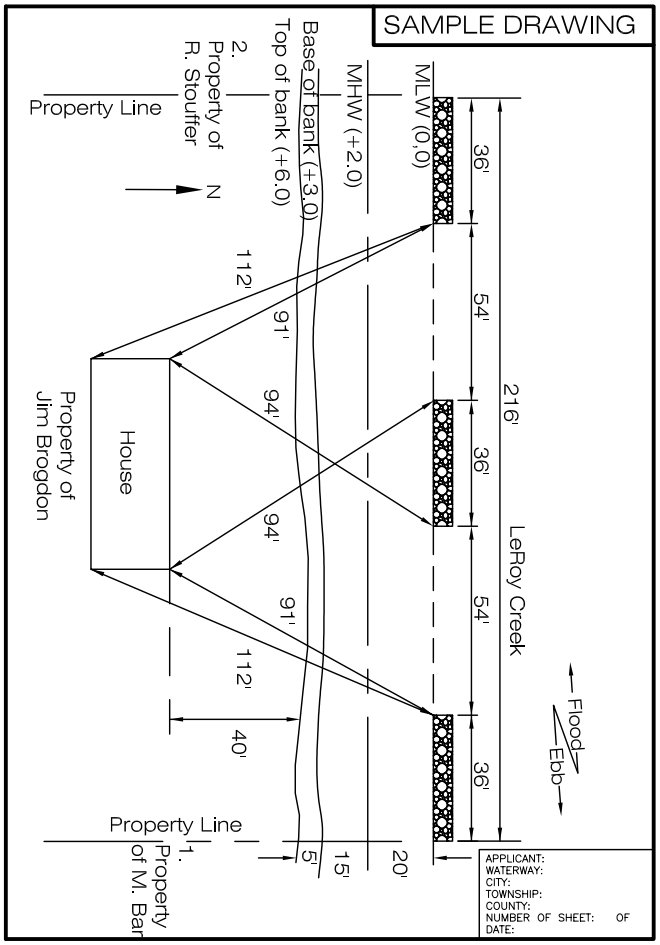


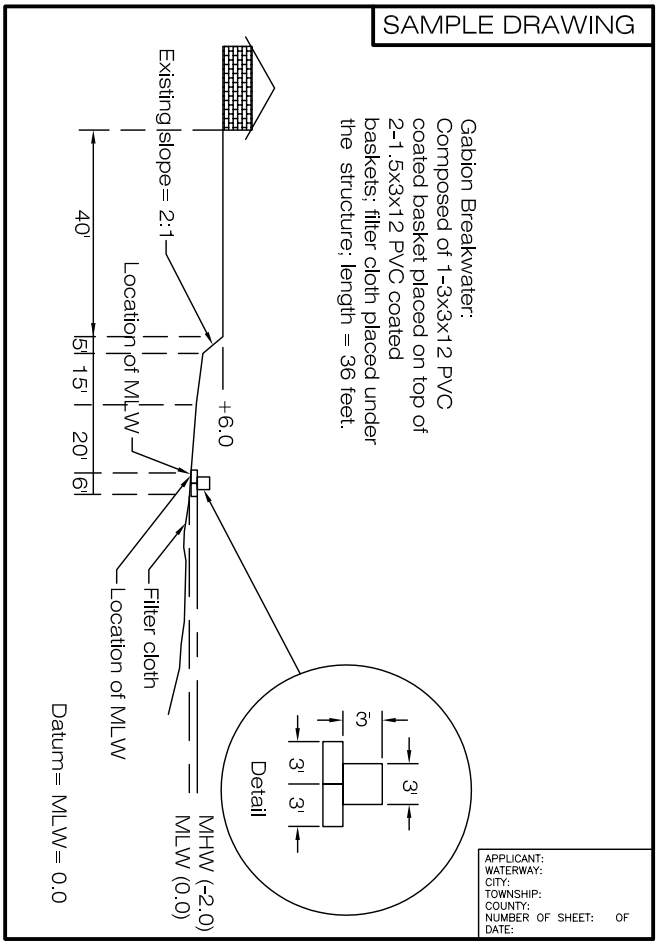
Marsh Toe Stabilization



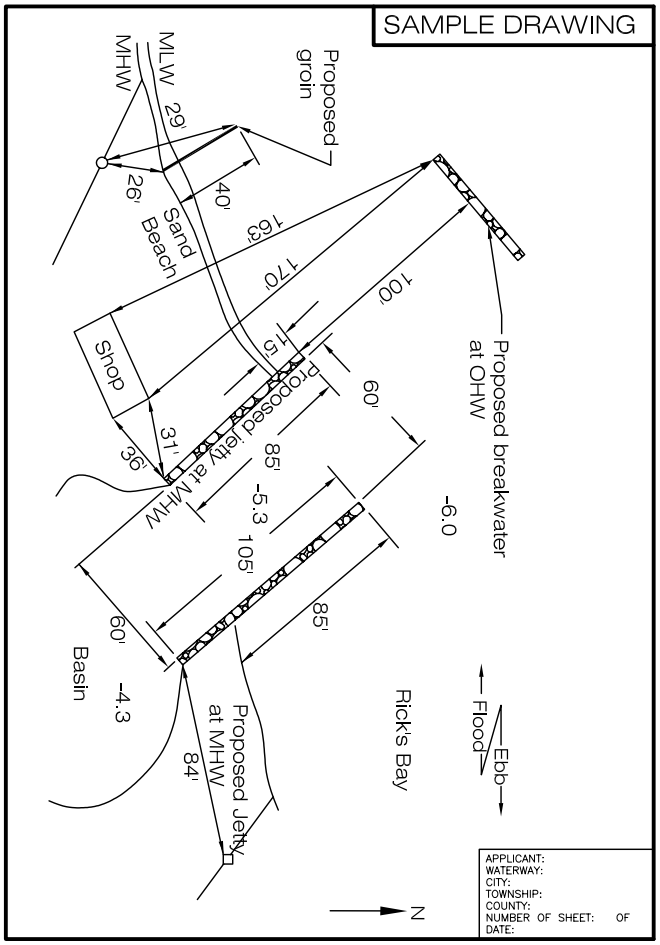


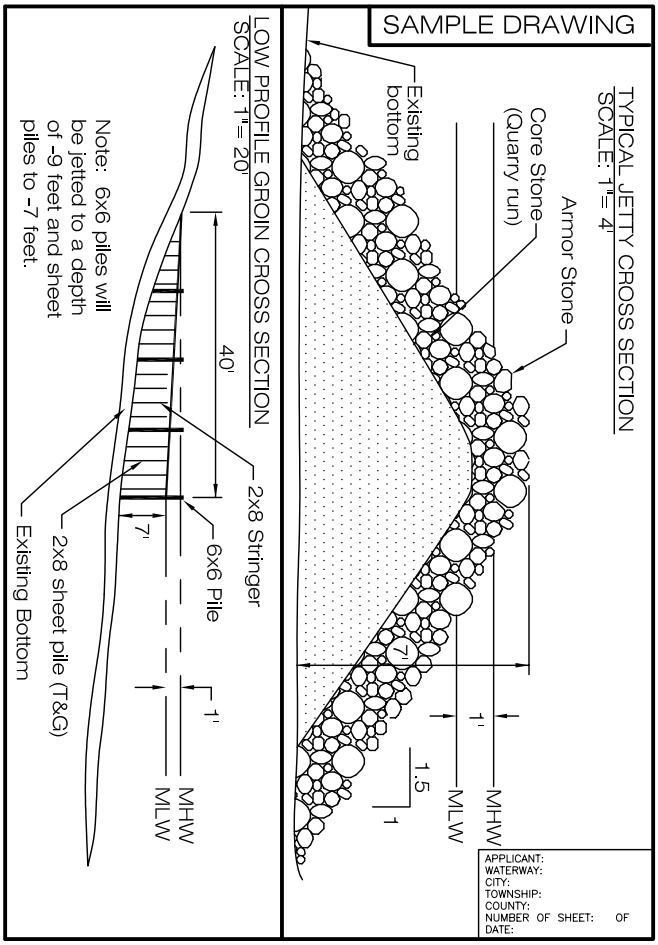
Riprap Revetment & Associated Backfill



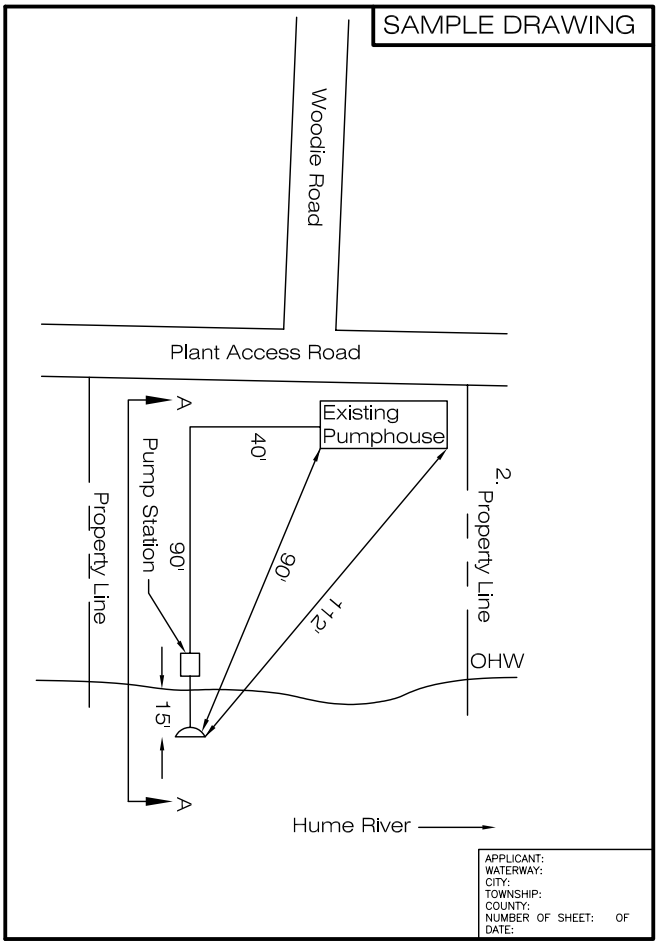


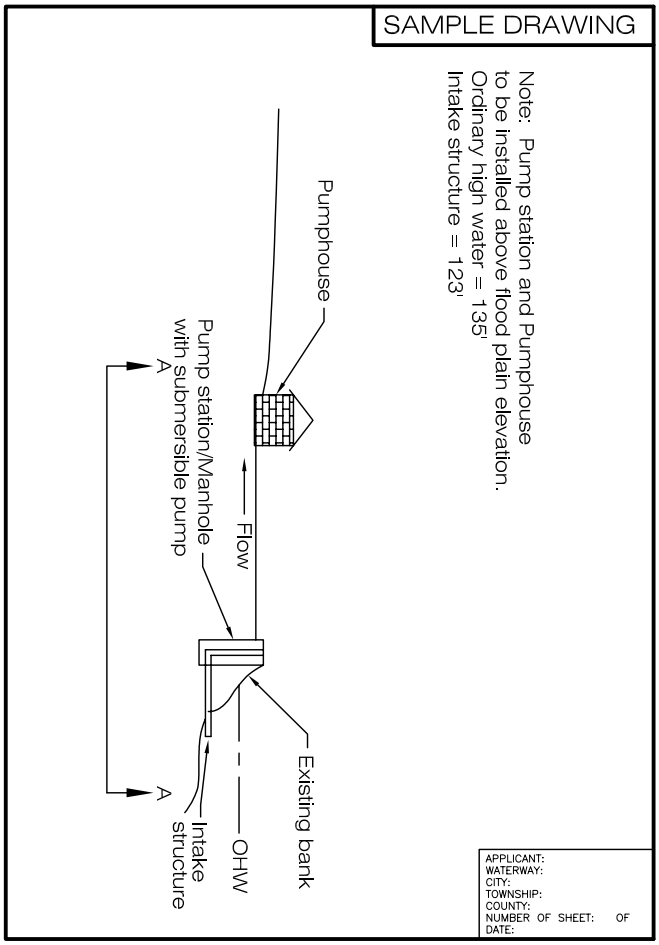
Breakwaters



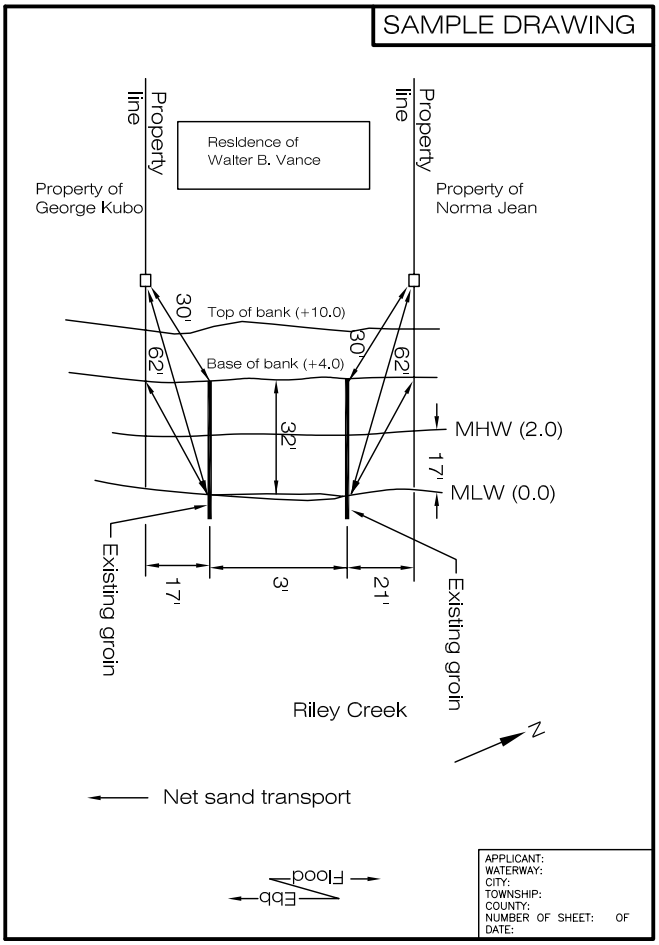


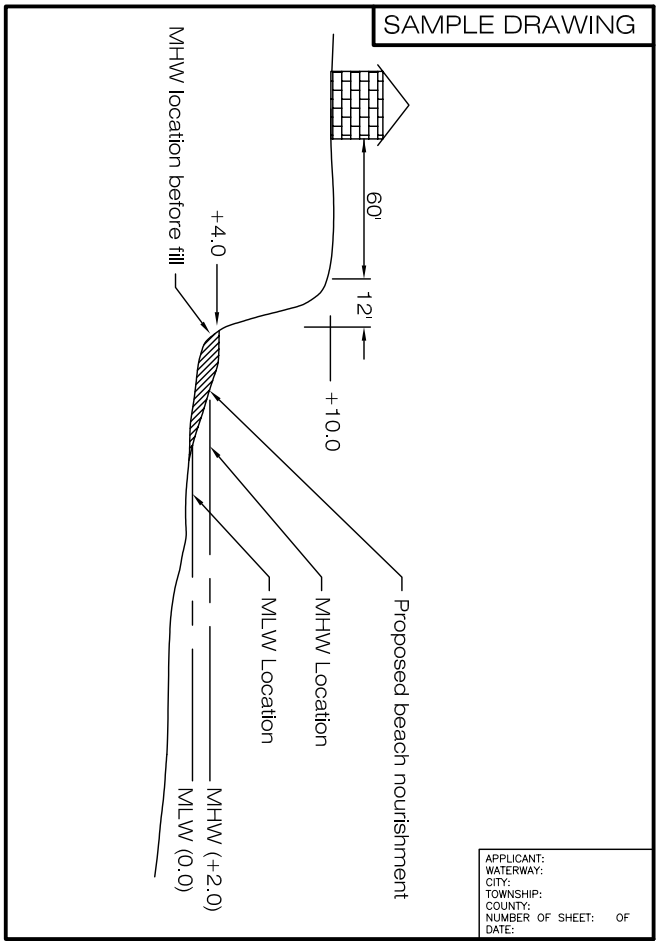
Groins & Jetties



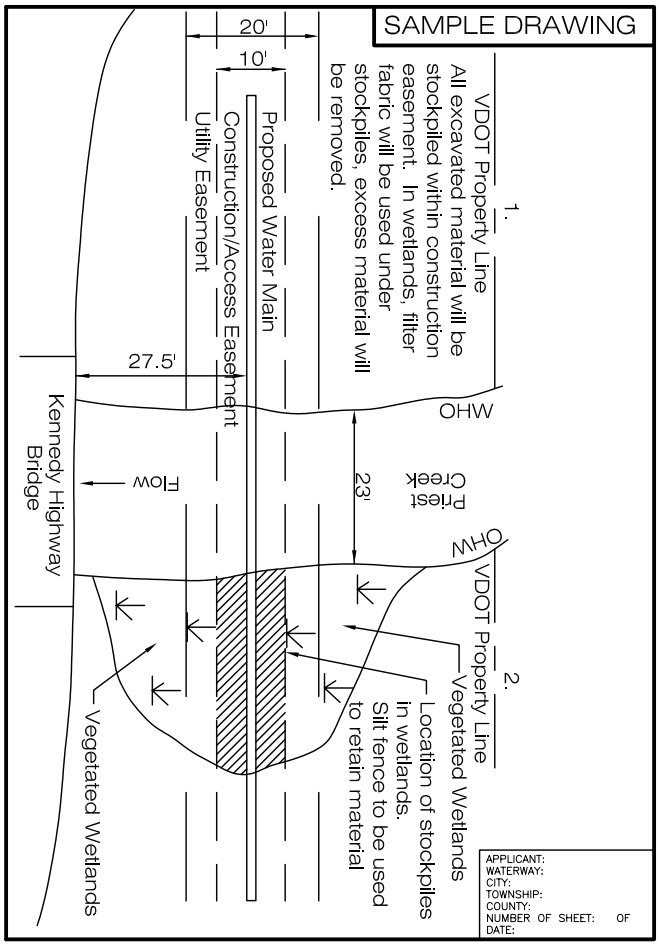


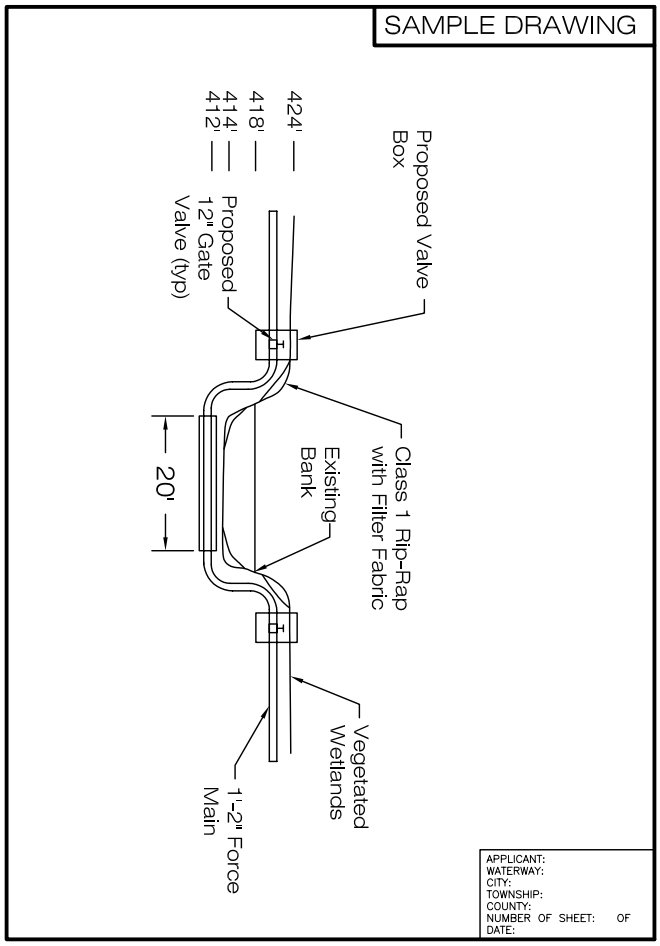
Intake/Outfall Structures



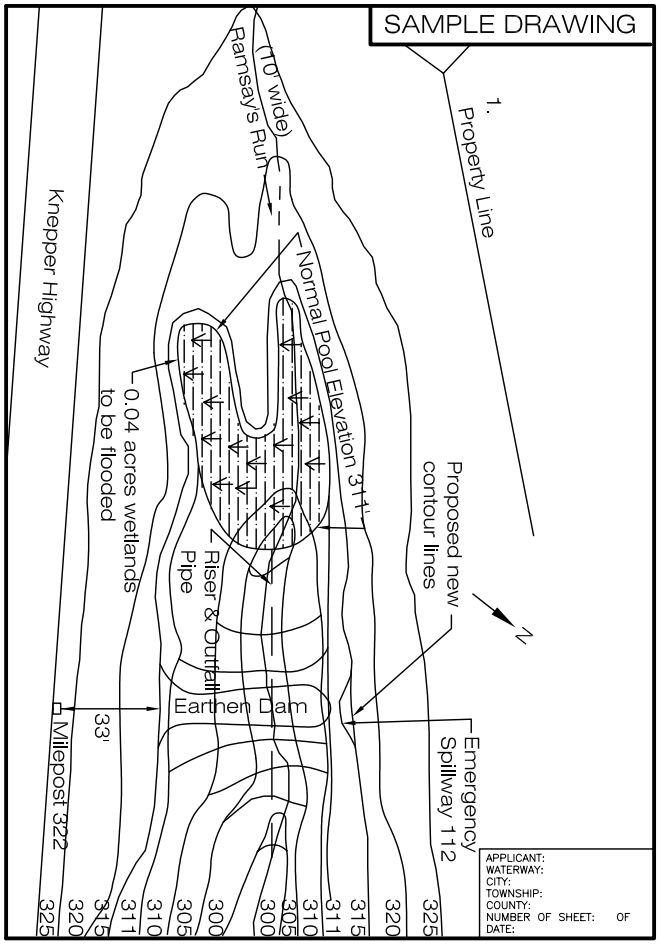


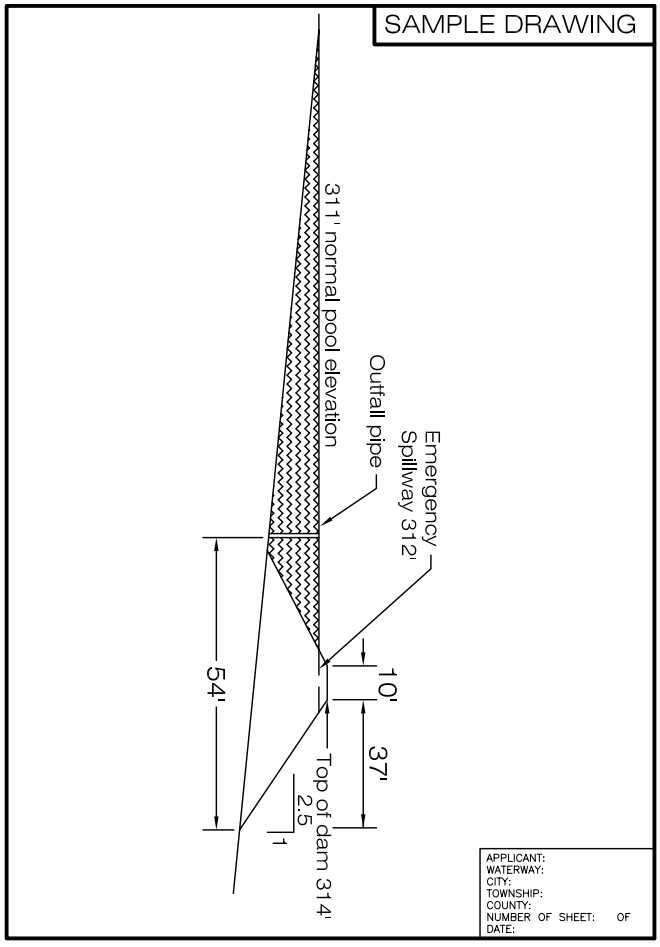
Beach Nourishment



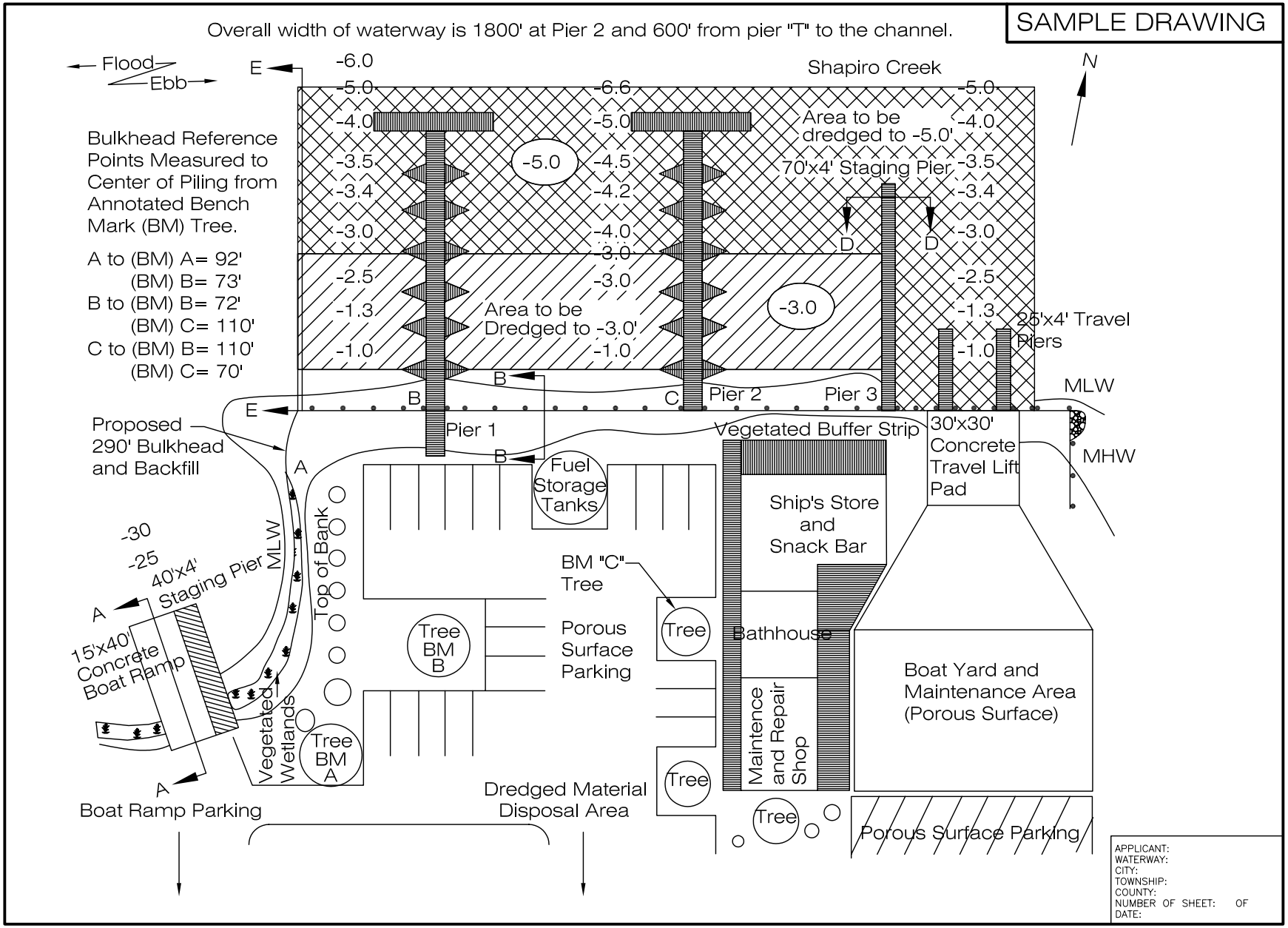


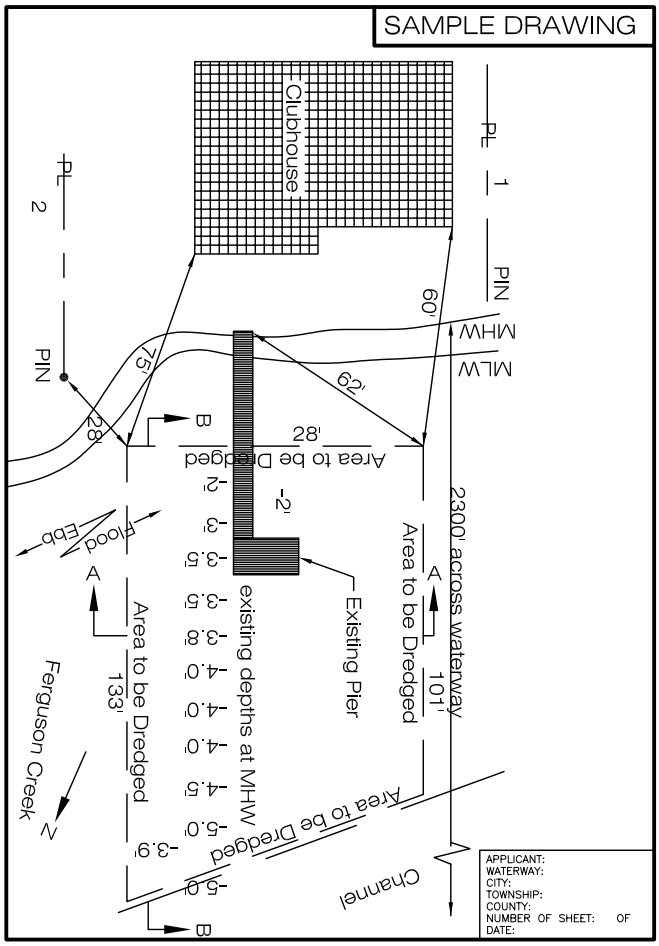
Utility Crossings

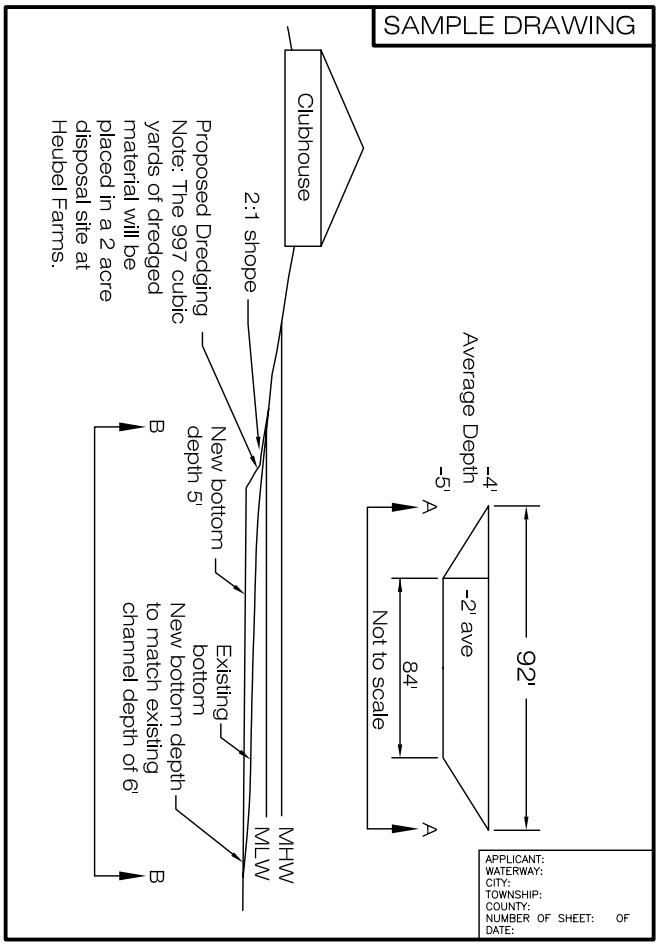




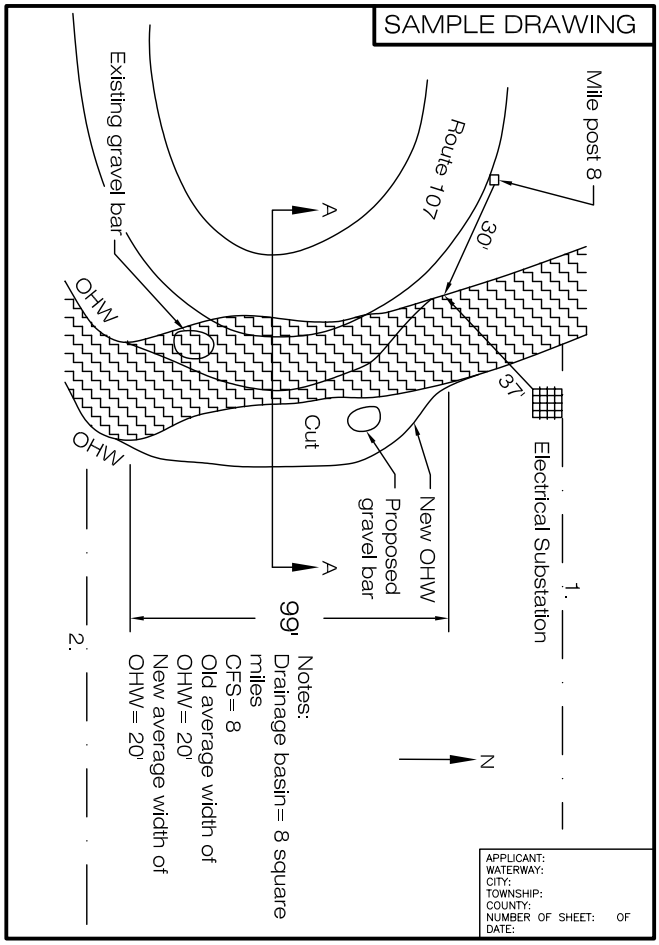
Impoundment/Dams

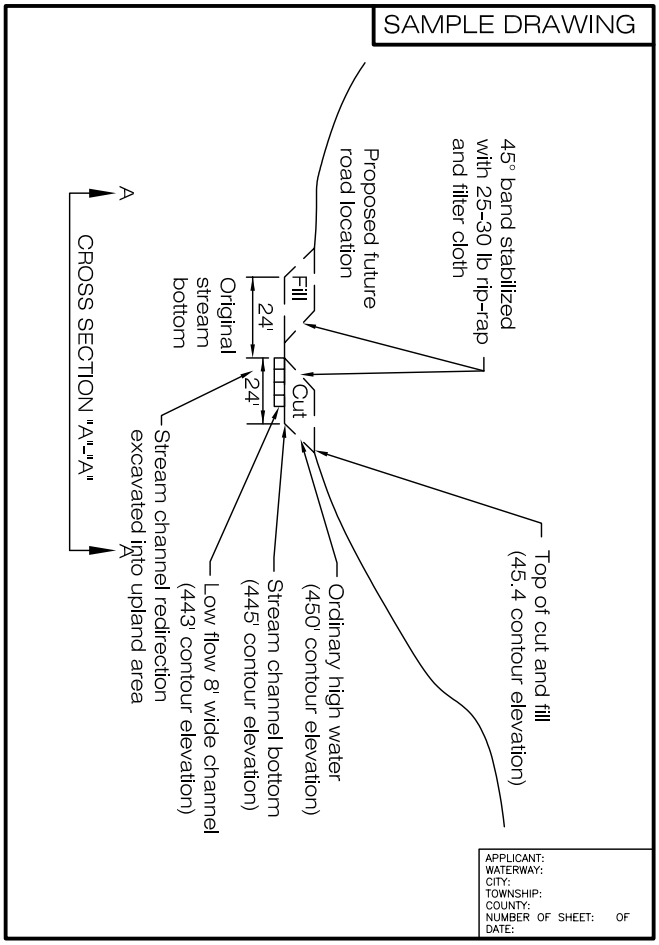

SAMPLE DRAWING
Overall width of waterway is 1800' at Pier 2 and 600' from pier "T" to the channel.
Flood
Ebb
Shapiro Creek
N
Bulkhead Reference Points Measured to Center of Piling from Annotated Bench Mark (BM) Tree.
A to (BM) A= 92'
(BM) B= 73'
B to (BM) B= 72'
(BM) C= 110'
C to (BM) B= 110'
(BM) C= 70'
Area to be dredged to -5.0'
70'x4' Staging Pier
Area to be Dredged to -3.0'
25'x4' Travel Piers
MLW
MHW
Pier 1
Pier 2
Pier 3
Proposed 290' Bulkhead and Backfill
Vegetated Buffer Strip
30'x30' Concrete Travel Lift Pad
Fuel Storage Tanks
Ship's Store and Snack Bar
Top of Bank
40'x4' Staging Pier
15'x40' Concrete Boat Ramp
BM "C" Tree
Tree BM B
Porous Surface Parking
Bathhouse
Boat Yard and Maintenance Area (Porous Surface)
Vegetated Wetlands
Tree BM A
Maintence and Repair Shop
Boat Ramp Parking
Dredged Material Disposal Area
Porous Surface Parking
APPLICANT:
WATERWAY:
CITY:
TOWNSHIP:
COUNTY:
NUMBER OF SHEET: OF
DATE:





Dredging/Mining/Excavating





Nontidal Stream Channel Modifications