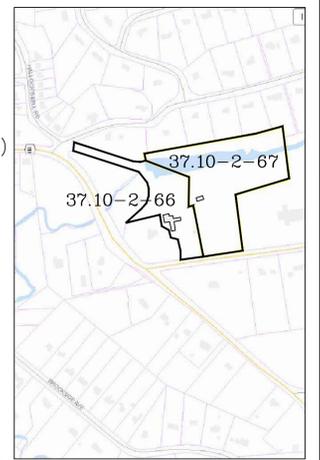


**LEGEND**  
NOT TO SCALE

- PROPERTY LINE
- WL WL LOCAL WETLAND LINE
- 100' SETBACK LINE (POND HIGH WATER MARK)
- FEMA FLOOD ELEVATION 417 ELEVATION
- TOWN OF YORKTOWN TOPO
- STREAM COURSE
- N/A NYSDEC WETLANDS
- C(T) NYSDEC STREAM CLASS
- [Hatched Box] DREDGED AREA
- [Cross-hatched Box] 5' NO DISTURBANCE ZONE
- [Stippled Box] INVASIVES REMOVAL AREA (TO 40' FROM POND EDGE)



**VICINITY MAP**  
SCALE: 1 inch = 500 feet

**GENERAL CONSTRUCTION NOTES**  
THROUGHOUT THE CONSTRUCTION PHASE OF THE PROJECT, CHANGES TO THE APPROVED SITE PLAN ARE PROHIBITED, UNLESS A SITE PLAN REVISION APPROVAL IS SECURED FROM THE TOWN BOARD.

ANY MODIFICATIONS TO EXISTING UTILITIES SHALL REQUIRE WRITTEN APPROVAL FROM THIS OFFICE AND THE AUTHORIZED AGENCY.

ANY DRAINAGE STRUCTURES, DITCHES, ASPHALT, CURBS OR GRASSED AREAS DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO ORIGINAL CONDITION.

ALL FOOTING AND ROOF DRAINS ARE TO BE CONNECTED TO THE STORM DRAINAGE SYSTEM IF ENCOUNTERED DURING CONSTRUCTION ACTIVITIES.

IT IS THE CONTRACTOR'S RESPONSIBILITY TO ASSURE THAT ALL PIPING IS PROPERLY BEDDED AND STABILIZED IN AREAS OF HIGH GROUND WATER AND/OR UNSTABLE SOIL CONDITIONS.

ALL AREAS OF DISTURBED EARTH SHALL BE STABILIZED BY MULCHING OR OTHER MEANS. SEEDING OF GRASSED AREAS SHALL BE INITIATED AS SOON AS PRACTICAL TO MITIGATE EROSION ON SITE. REFER TO EROSION CONTROL TECHNIQUES ON EROSION CONTROL SITE PLAN.

IT IS THE DEVELOPER'S RESPONSIBILITY TO OBTAIN ALL NECESSARY PERMITS AND/OR EASEMENTS FROM THE STATE AND LOCAL AUTHORITIES. RIGHT TO DRAIN, CONSTRUCTION RIGHTS AND SLOPE RIGHTS AS MAY BE REQUIRED FROM ADJOINING PROPERTY OWNERS ARE THE RESPONSIBILITY OF THE PROPERTY OWNER.

LOCATIONS SHOWN ARE APPROXIMATE AND ARE SUBJECT TO FINAL SITE SURVEY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY ALL ELEVATIONS, PROPERTY LINES, LOCATION OF UTILITIES AND SITE CONDITIONS IN THE FIELD. IF ANY DEVIATION OR ALTERATION IS REQUIRED FOR THE COMPLETION OF THIS PROJECT, THE CONTRACTOR SHALL CONTACT P.W. SCOTT ENGINEERING & ARCHITECTURE, P.C. SO THAT REVISIONS MAY BE COMPLETED.

ALL EXISTING PIPING ON AND OFF-SITE INVERTS MUST BE VERIFIED WITH AN A-2 SURVEY PRIOR TO ANY SITE ACTIVITIES.

**PROJECT DESCRIPTION**

**VOLUME OF DREDGED MATERIAL:**  
IT IS ESTIMATED THAT APPROXIMATELY 10,000 TO 15,000 CUBIC YARDS OF MATERIAL IS TO BE DREDGED FROM THE POND. AFTER DE-WATERED AND DRAINED THERE WILL BE APPROXIMATELY 3,000 CUBIC YARDS OF MATERIAL TO BE SPREAD. THE AREA OF SOIL DISPOSAL IS 40,000 SF AND CONTAINS GEOTUBES DURING DE-WATERING. ADDITIONAL ON-SITE AREA WITH EXISTING MEADOW COVERAGE MORE THAN 100 FT FROM WETLANDS IS PROPOSED AS OVERFLOW/FUTURE DISPOSAL AREA FOR DE-WATERED MATERIAL WITH ACCESS FROM INTERIOR DRIVEWAYS.

**SCOPE OF WORK:**  
DREDGING OF POND IS WITH A SUCTION HARVEST SYSTEM. DREDGED MATERIAL IS TO BE PUMPED TO A GEO-TEXTILE DE-WATERING SEDIMENT FILTER TUBE. CLEAN WATER WILL FLOW BACK TO POND. DREDGED MATERIAL WILL BE DE-WATERED AND SPREAD ON THE SITE. A NYSDEC BEST USE DETERMINATION IS NOT REQUIRED.

A TURBIDITY BLANKET WILL BE LOCATED DIAGONALLY ACROSS THE POND, SEQUENTIALLY IN TWO OR MORE LOCATIONS, TO PROVIDE WORK AREAS FOR SUCTIONING. THIS WILL ALLOW WATER TO CONTINUE FLOWING IN AREAS THAT ARE NOT BEING DISTURBED.

**SUCTION HARVESTING METHODOLOGY**  
ORGANIC MATERIAL FROM THE POND WILL BE REMOVED BY A "SUCTION HARVESTING" METHOD. THIS METHOD REQUIRES A DIVER WHO GUIDES A VACUUM LINE AROUND THE INTERIOR OF THE POND. THE ORGANIC MATERIAL IS SUCKED UP FROM THE BOTTOM OF THE POND AND PUMPED THROUGH A 3" DIAMETER DRY FLEXIBLE PIPE TO GEO-TEXTILE DE-WATERING TUBES. THE ORGANIC MATERIAL IS DEPOSITED IN THESE TUBES. THE GEO-TUBES ARE CONTAINED IN AN AREA SURROUNDED BY A HAY BALE/SILT FENCE BARRIER. THE EXCESS WATER LEACHES (BY GRAVITY) BACK TO THE POND. THIS WATER IS CLEAN AND GRAVITY FED TO THE POND AS SHEET FLOW THROUGH THE SILT FENCE/HAY BALES. ONCE POND SUCTION HARVESTING IS COMPLETE THE ORGANIC MATERIALS ARE ALLOWED TO DRY OUT. ONCE DRY THE MATERIAL WILL BE SPREAD ACROSS THE AREA DESIGNATED, SEEDED AND MULCHED.

**PLANTINGS:** Refer to DRAWING SY4.

- FIVE FEET BELOW HIGH WATER LINE IS NOT TO BE DISTURBED.
- FIVE FEET ABOVE HIGH WATER LINE AREA TO BE PLANTED WITH MEADOW WETLAND NATIVE SEED MIX.
- HERBACEOUS AND SHRUB PLANTINGS WILL BE IN A ZONE TEN FEET ABOVE THE HIGH WATER LINE.
- THE FILL AREA TO BE PLANTED WITH "NO MOW MIX".
- SEE DRAWING SY4 FOR PLANTING SPECIFICATIONS.

**PORTO DAM & DIVERSION CHANNEL SCOPE OF WORK**

**CONSTRUCTION MANAGEMENT PLAN**

1. CLEAR ROAD ONCE PER WEEK OF MUD AND EXCESS SOIL. IF WET MATERIAL LEAKS FROM TRUCKS DURING THE CARTING, INSTALL SILT FENCE ALONG LOWER EDGE OF DRIVEWAY.
  2. CHECK SHOULDERS ON A WEEKLY BASIS FOR RUTTING. IF RUTS OCCUR, TAMP AND FILL SOLID WITH GRAVEL.
  3. IF ICY CONDITIONS RESULT, ADD SAND FOR ADEQUATE SAFE PASSAGE.
- A TURBIDITY BLANKET WILL BE LOCATED DIAGONALLY ACROSS THE POND, SEQUENTIALLY IN TWO OR MORE LOCATIONS, TO PROVIDE WORK AREAS FOR SUCTIONING. THIS WILL ALLOW WATER TO CONTINUE FLOWING IN AREAS THAT ARE NOT BEING DISTURBED.

**PHASE I- APPROVED AREA OVERFLOW OR FUTURE DISPOSAL AREA**  
(UNDER 40,000 SF with existing Meadow) Cover no trees w/ DOUBLE SILT FENCE AND GRAVEL ENCLOSURE  
No work this area until Primary Disposal area is seeded and blanketed per details.

**PHASE II- CHANNEL/DAM MATERIAL STORAGE AREA**

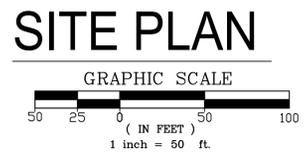
- Phase II Impact Areas**  
Excavation of Diversion Channel & Drain Down pipe  
Surface Area = 0.25 acres  
Material: 1807 cy X 1.5 swell = 2711 cy/20cy = 135 truck trips (excavation & fill)
- Material Storage Area (from channel)**  
Storage at Depth of 6' max: 452 sf = .01 acres
- POLYME (Additional Pond Excavation (suction harvesting) for Portadam Anchoring)**  
Surface Area = 0.16 acres  
Material (est. @ 2") = 775 cy.
- Portadam Disturbance Limited to Area of Excavation**  
Above - Consists of wood framing/rubber liner.
- Dam Footing Excavation (in the dry)**  
Surface Area: 3500 sf = 0.08 acres  
Material Volume (est. @ 24" - relocated to storage area): 260 cy.
- Existing channel Cleanup**  
Down stream removal of wood debris: Surface Area: 0.23 acres
- Repair the driveway at the diversion channel:** 0.06 acres
- Overall Disturbances for Stream Diversion and Dam Construction:** 0.78 acres
- Additional Impacts:**  
Existing Driveway - Material Transportation Corridor  
900 lfx 12" wide = 0.25 acres (limited to debris cleanup from truck traffic)

RT-40 Zoning	
LOT AREA:	40,000 S.F. ACRES
LOT FRONTAGE:	150 S.F.
LOT WIDTH:	150 S.F.
FRONT SETBACK:	50 FEET
SIDE/TOTAL SETBACK:	20/50 FEET
REAR SETBACK:	50 FEET
FRONT YARD:	50 FEET
SIDE YARD:	20 FEET
REAR YARD:	50 FEET
MAXIMUM COVERAGE:	<15 %
MAXIMUM HEIGHT:	35 FEET
LOT FRONTAGE:	150 FEET

**RECORD OWNER**  
BRENNAN RESIDENCE LLC  
HUNGRY HORSE HOLLOW, INC  
2200 SAW MILL RIVER RD  
YORKTOWN HEIGHTS, NY 10589

**SURVEYOR BASE DRAWING**  
J. HENRY CARPENTER & CO.  
YORKTOWN HEIGHTS, NY 10589  
FOR: STEPHEN H CHAMBERS  
DATED: MARCH 18, 1980

**PROPERTY DESCRIPTION**  
37.10-2-66; 3.50 acres  
37.10-2-67; 7.81 acres



THESE DRAWINGS ARE THE SOLE PROPERTY OF P.W. SCOTT ENGINEERING AND ARCHITECTS, P.C. AND WILL NOT BE REPRODUCED BY ANY MEANS AND BE GIVEN TO ANY OTHER TRADES/PERSONS WITHOUT THE EXPRESS PERMISSION OF P.W. SCOTT ENGINEERING AND ARCHITECTS, P.C.

NOTE: DO NOT SCALE DRAWINGS DIMENSIONS SUPERCEDE SCALE

<p>P. W. SCOTT ENGINEERING &amp; ARCHITECTURE, P.C. 3871 ROUTE 6 BREWSTER, NY 10509 845-278-2110</p>	<p><b>Revisions</b></p> <table border="1"> <thead> <tr> <th>No.</th> <th>Date</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>2/5/19</td> <td>REV. PER TOWN ENG.</td> </tr> </tbody> </table>		No.	Date	Description	A	2/5/19	REV. PER TOWN ENG.	<p>Dwg. Title <b>DAM CONSTRUCTION PLAN</b></p>	<p>Seal <b>SY1</b></p>
	No.	Date	Description							
	A	2/5/19	REV. PER TOWN ENG.							
	<p>Project Title 2200 SAW MILL RIVER ROAD 2255 BROAD STREET TOWN OF YORKTOWN HEIGHTS, NY</p>		<p>Proj. No. 16-108 Date 11/10/18</p>							
<p>Drawn by PWS/MA Scale 1" = 40'-0"</p>		<p>Dwg. No.</p>								
<p>Dwg. No.</p>		<p>Dwg. No.</p>								