

Town of North Castle Bid

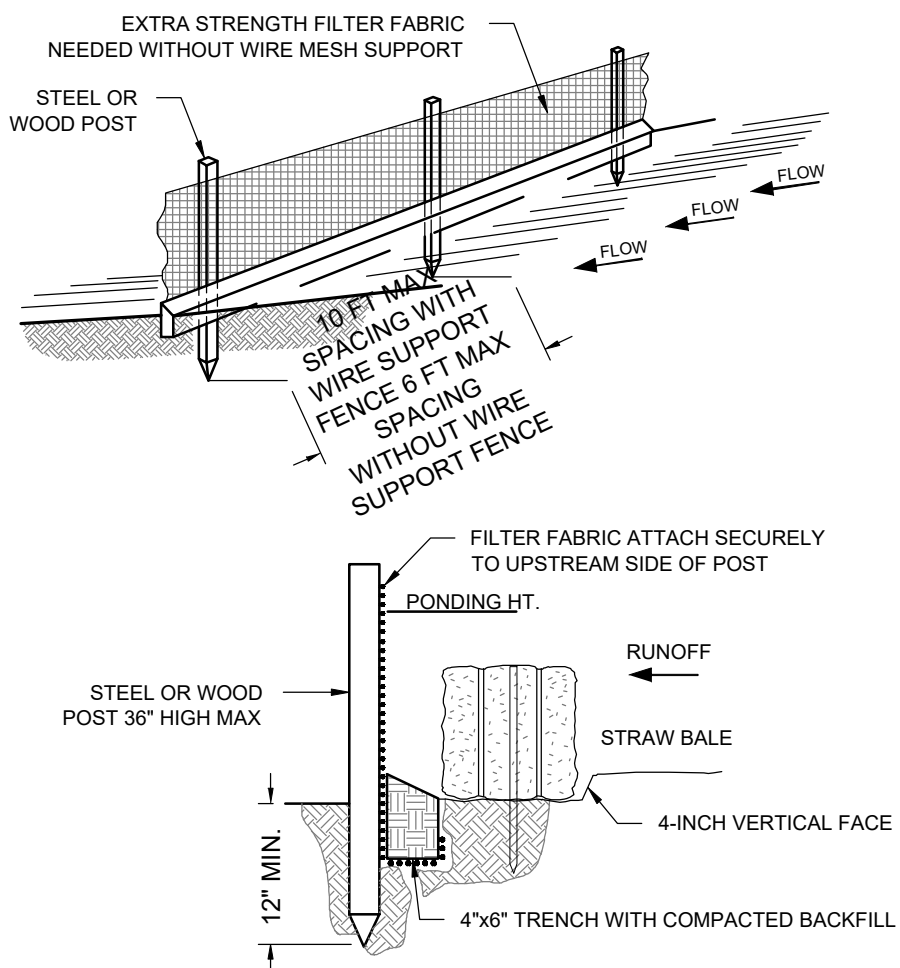
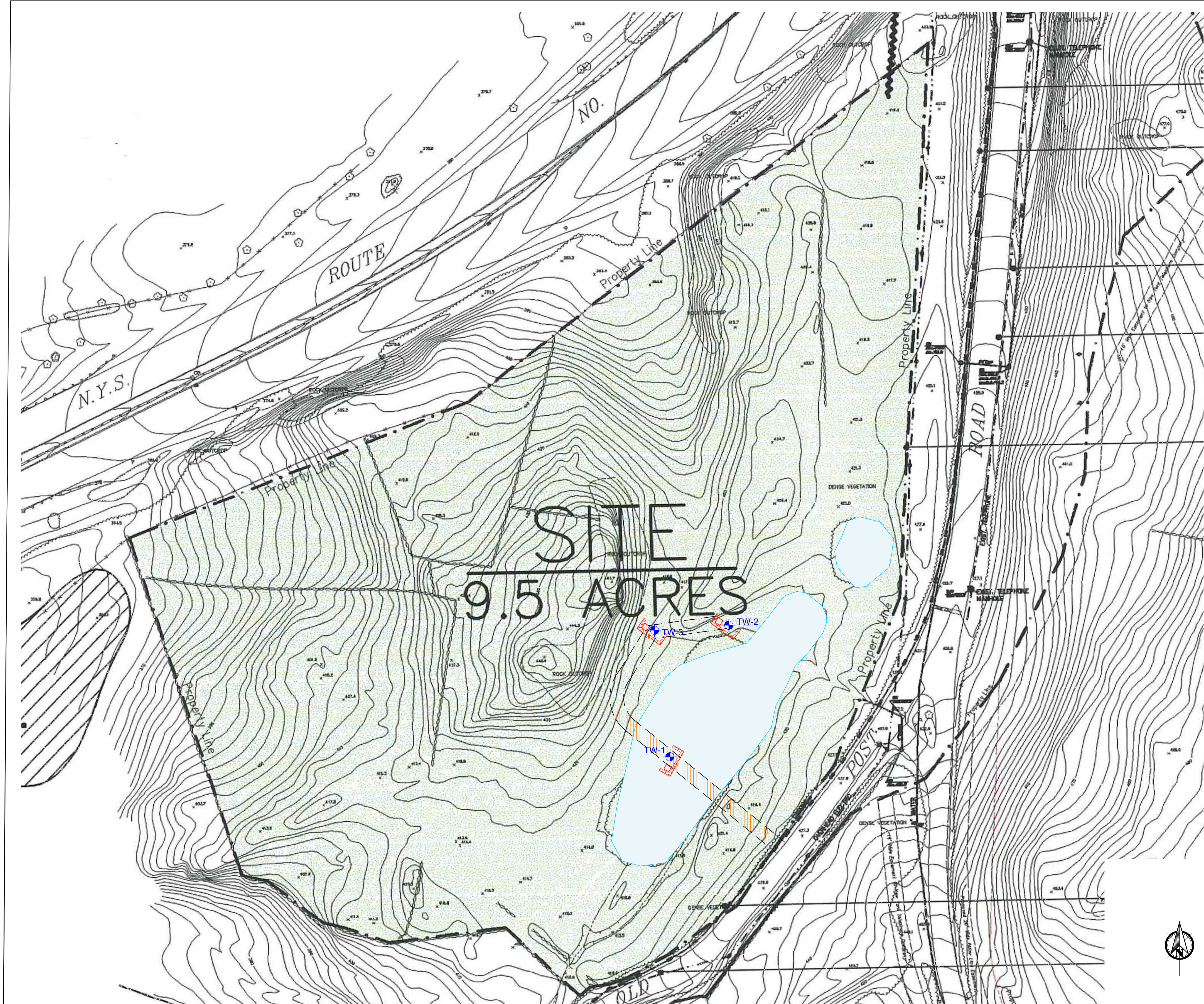
DRILLING SERVICES For Test Wells In The Bedrock Aquifer

Due: Tuesday, March 20, 2018 @ 11:00 am

Addendum #1

1. The driller will be responsible for clearing an access way from the Old Post Road to the test well locations (see attached plate). Tree/brush clearing and limited grading will be required for the drill rig to access the test well locations. The driller will be responsible for clearing a maximum 12-foot wide path free of brush and small diameter trees and complete light grading in order for the drill rig to reach the proposed locations. A stabilizing fabric extending the maximum length of 200 linear feet should be placed to bisect the wetland feature (attached plate) under a minimum of 4 inches of clean appropriate road construction material (up to 12 inches in the wetland area) to access TW-1. The driller will be responsible for clearing the immediate area around the well site (approximately 20 feet by 20 feet) for the drill rig work space. This cost corresponds to Item 3. of the bid document. Please also include a separate cost to remove the fill/fabric, if necessary.
2. For further clarification, the line items in the bid document related to the installation of the 12-inch casing and installation of the 8-inch casing includes drilling and installation costs.

Please contact Sal Misiti at (914) 273-1882 ext 55 prior to any site visits.



- NOTES:
1. WOVEN WIRE FENCE SHALL BE FASTENED SECURELY TO THE FENCE POSTS WITH WIRE TIES OR STAPLES. POST SHALL BE EITHER "T" OR "U" TYPE OR HARDWOOD.
 2. FILTER CLOTH SHALL BE FASTENED SECURELY TO WOVEN WIRE WITH TIES SPACED EVERY 24" AT TOP AND MID-SECTION.
 3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN, THEY SHALL BE OVERLAPPED BY 6" AND FOLDED.
 4. THE SILT FENCE MAY BE PLACED ADJACENT TO THE HAY BALE FENCE. HAY BALE FENCE SHOULD BE LOCATED ON THE DISTURBED SIDE OF THE SILT FENCE.
 5. CONTRACTOR SHALL INSPECT AND REPAIR FENCE AFTER EACH STORM EVENT AND REMOVE SEDIMENT WHEN NECESSARY.
 6. REMOVED SEDIMENT SHALL BE DEPOSITED TO AN AREA THAT WILL NOT CONTRIBUTE SEDIMENT TO WETLANDS AND OR WATER COURSES.
 7. SILT FENCE SHALL BE PLACED ON SLOPE CONTOURS TO MAXIMIZE PONDING EFFICIENCY.

SILT FENCE/HAY BALE DETAIL
NOT TO SCALE

- PROPOSED CONSTRUCTION SEQUENCE:
1. CLEAR VEGETATION (SMALL SHRUBS AND TREES (dbh's 8")) FOR PROPOSED ACCESS ROAD TO TEST WELLS.
 2. SMOOTH AND LEVEL ACCESS ROAD (MAXIMUM 12 FEET WIDE) FROM EXISTING DIRT TRAVELWAY APPROXIMATELY 90 FEET TO PROPOSED TW-1 LOCATION. NO CLEARING EXCEPT FOR SMALL BRUSH TO TW-2 OR TW-3 IS NECESSARY.
 3. INSTALL SEDIMENT AND EROSION CONTROL AT ALL THREE TEST WELL LOCATIONS.
 4. DIG TEMPORARY COLLECTION PITS USING A SMALL BACKHOE AT ALL THREE TEST WELL LOCATIONS. TEMPORARY COLLECTION PIT WILL BE USED TO COLLECT ROCK CUTTINGS AND SILT-LADEN WATER DURING DRILLING ACTIVITIES.
 5. ESTIMATED TOTAL DISTURBANCE APPROXIMATELY 200 SQUARE FEET AT TW-1; APPROXIMATELY 200 SQUARE FEET AT TW-2 AND APPROXIMATELY 200 SQUARE FEET AT TW-3. ESTIMATED TOTAL DISTURBANCE OF ACCESS ROAD IS APPROXIMATELY 3,420 SQUARE FEET.
 6. INITIATE DRILLING ACTIVITIES AT PROPOSED TW-1 FOLLOWED BY DRILLING OF REMAINING WELLS. TEST WELLS ARE NUMBERED IN ORDER OF DRILLING PREFERENCE.
 7. UPON COMPLETION OF DRILLING, FILL IN TEMPORARY COLLECTION PITS WITH ROCK CUTTINGS FROM WELL BOREHOLES.
 8. SHOULD THERE BE EXCESS ROCK CUTTINGS, THEY WILL BE SPREAD OUTSIDE OF THE WETLAND AREA.
 9. SEED DISTURBED AREAS WITH NATIVE MIX TO PREVENT EROSION AND TRANSPORTATION OF SILT AND FINE MATERIAL TO THE WETLAND AFTER THE 72-HOUR AQUIFER TEST IS COMPLETED.
 10. NO TOWN-REGULATED TREES TO BE REMOVED.

- LEGEND
- — — — — PROPERTY BOUNDARY
 - TW-1 + PROPOSED BEDROCK TEST WELL LOCATION
 - WETLANDS
 - SILT FENCE/HAY BALE SEDIMENT CONTROL
 - APPROXIMATE LOCATION OF COLLECTION PIT
 - APPROXIMATE LOCATION OF TEST WELL ACCESS WAY (12' WIDE)
 - APPROXIMATE EXTENT OF STABILIZING FABRIC UNDER THE ACCESS WAY

TOWN OF NORTH CASTLE
WATER DISTRICT #4
NORTH CASTLE, NEW YORK

PROPOSED BEDROCK TEST WELL LOCATIONS
WITH SEDIMENT EROSION CONTROL

DATE	REVISED	PREPARED BY:

WSP

WSP USA
4 Research Drive
Suite 204
Shelton, Connecticut 06484
(203) 929-8555

DRAWN: RAC

CHECKED: KD

DATE: 03/13/18

PLATE: 1

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