



PROPOSED THREE BURIED FIRE SUPPRESSION WATER STORAGE TANKS:  
(2) 6' x 40'-9 1/2" (8,000 GALLONS)  
(1) 6' x 30'-8 3/4" (6,000 GALLONS)  
TOTAL = 22,000 GALLONS

PIPED TO FIRE PUMP MECHANICAL ROOM

EX. DRAIN INLET: 498.7  
4" PVC IN/OUT FILLED

EX. DRAIN INLET: 498.3  
4" PVC IN/OUT FILLED

EX. DRAIN INLET: 499.8  
15" OUT: 498.3 (WEST)  
(6) 4" PVC IN/OUT

DRAIN INLET: 500.1  
15" OUT: 496.7 (WEST)  
15" IN: 496.9 (NORTH)

DRAIN INLET: 499.4  
15" OUT: 495.1 (WEST)  
15" IN: 493.6 (EAST)  
15" IN: 493.4 (SOUTH)

EX. DRAIN INLET: 499.5  
4" PVC IN/OUT

EX. DRAIN INLET: 499.6  
4" PVC IN/OUT

EX. DRAIN INLET: 499.6  
4" PVC IN/OUT

EX. DRAIN INLET: 499.7  
4" PVC IN/OUT

EXISTING CONCRETE SLAB  
490.3'  
PROPOSED 2ND FLOOR ELEVATION  
500.3'

FIRE SUPPRESSION TANK OVERALL SITE PLAN

SCALE: 1"=20'



LIMITS OF DISTURBANCE = ±3,500 SF

SHORING MAY BE REQUIRED TO PROTECT EXISTING DRAINAGE PIPE FOR TANK EXCAVATION (TYP.)

MINIMUM LIMITS OF REINFORCED SLAB PER (SEE SHEET 2 FOR SLAB SPECIFICATION NOTES)

PROPOSED SILT FENCE (TYP.)

MACADAM DRIVEWAY

4" NPT SERVICE FITTING FOR VENT TO SHARED VENT LINE (TYP.)

4" SCH40 SHARED VENT LINE (12" COVER MIN.) TO ABOVE

48" STREET BOX H2O LOAD RATED OVER 30" MANWAY EXTENSION TO TANK (TYP.)

6" DIP PIPE TO FIRE PUMP INLET WITH 5.0' COVER MIN. (TYP.)

COORDINATE WALL PENETRATION WITH ARCHITECT FOR SPECIFICATIONS & LOCATION.

TO FIRE PUMP (REFER TO ARCHITECTURAL DRAWINGS FOR LOCATION)

GOOSE NECK VENT DISCHARGE ADJACENT TO BUILDING. COORDINATE WITH ARCHITECT FOR EXACT LOCATION AND SPECIFICATIONS.

ALL SURFACE RUNOFF SHALL BE DIRECTED AWAY FROM BUILDING VIA GRADING OR PAVED GUTTER AS NECESSARY

EXISTING CONCRETE SLAB  
490.3'

PROPOSED 2ND FLOOR ELEVATION  
500.3'

FIRE SUPPRESSION TANK SITE PLAN

SCALE: 1"=5'

#### LEGEND

- 490 EXISTING TWO FOOT CONTOURS
- +510.3 EXISTING SPOT GRADE
- EXISTING DRAINAGE PIPE & STRUCTURE
- 500.2+ PROPOSED TWO FOOT CONTOURS
- PROPOSED SPOT ELEVATION
- PROPOSED SILT FENCE
- PROPOSED LIMITS OF DISTURBANCE
- PROPOSED LIMITS REINFORCED CONCRETE SLAB

#### SOIL EROSION AND SEDIMENT CONTROL NOTES:

- LAND DISTURBANCE SHALL BE KEPT TO A MINIMUM; RE-STABILIZATION SHALL BE SCHEDULED AS SOON AS PRACTICAL.
- ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED PRIOR TO CONSTRUCTION WHEREVER POSSIBLE.
- SILT FENCES AS SHOWN ON THE PLANS SHALL BE INSTALLED ALONG THE TOE OF ALL CRITICAL CUT AND FILL SLOPES.
- ALL SOIL EROSION AND SEDIMENT CONTROL DEVICES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL, 2005 OR THE LATEST EDITION.
- ALL EROSION CONTROL STRUCTURES ARE TO BE MAINTAINED IN EFFECTIVE CONDITION THROUGHOUT THE CONSTRUCTION PERIOD.
- ADDITIONAL MEASURES SHALL BE INSTALLED DURING THE CONSTRUCTION PERIOD IF NECESSARY OR REQUIRED BY THE ENGINEER.
- ANY DISTURBED AREAS THAT WILL BE LEFT EXPOSED MORE THAN SEVEN (7) DAYS, AND ARE NOT SUBJECT TO CONSTRUCTION TRAFFIC, SHALL BE IMMEDIATELY RECEIVE A TEMPORARY SEEDING. IF THE SEASON PREVENTS THE ESTABLISHMENT OF A TEMPORARY COVER, THE DISTURBED AREAS SHALL BE MULCHED WITH STRAW OR EQUIVALENT MATERIAL.
- THE SEEDING SHALL BE DONE IN ACCORDANCE WITH THE BELOW GUIDELINES, AS FOLLOWS:  
A) SITE PREPARATION:  
INSTALL EROSION CONTROL MEASURES SCARIFY COMPACTED SOIL AREAS.  
B) SEEDING:  
PREPARE SEED BED BY RAKING TO REMOVE STONES, TWIGS, ROOTS AND OTHER FOREIGN MATERIAL. APPLY SOIL AMENDMENTS AND INTEGRATE INTO SOIL. APPLY SEED UNIFORMLY BY CYCLONE SEEDER, CULTI-PACKER OR HYDRO-SEEDER AT RATES INDICATED. INCREASE SEEDING RATE BY 10% WHEN HYDRO-SEEDING. IRRIGATE TO FULLY SATURATE SOIL LAYER, BUT NOT TO DISLODGE PLANTING SOIL.
- SLOPES STEEPER THAN ONE ON THREE SHALL BE STABILIZED IMMEDIATELY AFTER GRADING.
- THE BASE OF ALL STOCKPILES SHALL BE PROTECTED BY HAY BALE BARRIER OR SILT FENCE.
- SOIL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSPECTED AND MAINTAINED BY THE CONTRACTOR ON A DAILY BASIS TO ENSURE THAT TEMPORARY AND PERMANENT DITCHES, PIPES AND STRUCTURES ARE CLEAR OF DEBRIS, THAT EMBANKMENTS AND BERMS ARE NOT BREACHED, AND THAT ALL BARRIERS ARE INTACT.
- SILT FENCE SHALL REMAIN IN PLACE UNTIL PERMANENT VEGETATION IS ESTABLISHED.
- THE CONTRACTOR SHALL MAINTAIN ALL SOIL EROSION AND SEDIMENT CONTROL MEASURES UNTIL FINAL ACCEPTANCE OF THE WORK BY THE OWNER. UPON CERTIFICATION OF FINAL ACCEPTANCE, THE OWNER WILL ASSUME RESPONSIBILITY FOR THE CONTINUED MAINTENANCE OF PERMANENT SOIL EROSION AND SEDIMENTATION CONTROL MEASURES.

#### STORAGE TANK FILL AND LEVEL NOTE:

CONTRACTOR SHALL COORDINATE WITH OWNER, FIRE SUPPRESSION ENGINEER, AND ARCHITECT TO DETERMINE HOW TANKS ARE FILLED (I.E. VIA PERMANENT WATER SERVICE LINE, FILLED VIA TRACTOR TRAILER). TANKS ARE NOT DESIGNED TO BE UNDER PRESSURE. OPERATOR SHALL NOT ALLOW TANKS TO OVERFILL, OR BECOME PRESSURIZED. IF PERMANENT WATER SERVICE LINE IS INSTALLED, COORDINATE WITH ENGINEER AND XERXES FOR DETAILS AND SPECIFICATIONS. FIRST STORAGE TANK WATER SHALL NOT BE CROSS CONNECTED WITH ANY POTABLE WATER.

COORDINATE WITH OWNER TO DETERMINE IF A WATER LEVEL SENSOR/PROBE OR MANUAL WITNESS OF WATER LEVEL IS TO BE USED TO MONITOR TANK LEVEL. COORDINATE WITH XERXES FOR DETAILS AND SPECIFICATIONS FOR CHOSEN METHOD.

#### PAVEMENT NOTE:

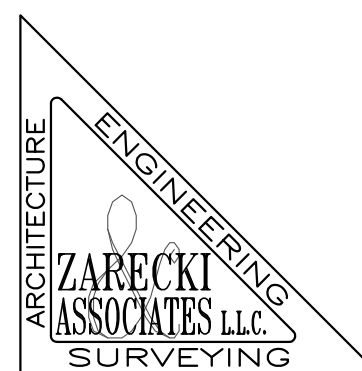
- CONTRACTOR SHALL SAWCUT EXISTING ASPHALT AT LIMIT OF EXISTING EXCAVATION AND REMOVE OFF SITE. ALL ASPHALT REMOVED.
- CONTRACTOR SHALL REPAVE TO LIMITS OF EXISTING PAVEMENT (OUTSIDE OF REINFORCED CONCRETE SLAB ABOVE STORAGE TANKS). PROVIDE 8" OF COMPACTED N.Y.S. DOT ITEM #4 BELOW PAVED AREAS AND MATCH EXISTING ASPHALT PAVEMENT SPECIFICATIONS AND THICKNESS. ALL BACKFILL ADJACENT TO TANKS SHALL BE WELL COMPACTED TO PREVENT FUTURE SETTLEMENT.

#### GENERAL NOTES:

- THIS MAP IS NOT A BOUNDARY SURVEY OF PROPERTY.
- THIS MAP IS NOT TO BE USED FOR TITLE PURPOSES.
- TOPOGRAPHY TAKEN FROM ACTUAL FIELD SURVEY BY ZARECKI & ASSOCIATES, L.L.C. PERFORMED ON MARCH 20, 2013, IN AN ASSUMED DATUM.
- SILT FENCE TO BE INSTALLED PRIOR TO WORK BEING STARTED.
- CONTRACTOR RESPONSIBLE FOR LOCATING ANY EXISTING UTILITIES PRIOR TO WORK.
- ALL UTILITY WORK AND COORDINATION BY OTHERS.
- CONTRACTOR IS RESPONSIBLE FOR PROTECTING WORKZONE TO ENSURE IT IS SECURELY CLOSED OFF AND HAS APPROPRIATE WARNINGS FOR PEDESTRIANS AND MOTOR VEHICLE OPERATORS.
- CONTRACTOR TO MAINTAIN VEHICULAR PATH TO EXISTING STORAGE UNITS AT ALL TIMES.
- CONTRACTOR TO OBTAIN ALL NECESSARY PERMITS.

XERXES BURIED STORAGE TANKS:  
CONTRACTOR SHALL STORE, HANDLE, INSTALL, AND TEST TANKS PER THE MANUFACTURER INSTALLATION MANUAL AND OPERATING GUIDELINES PUBLICATION

JOSEPH ZARECKI, P.E.  
N.Y. LIC. No. 61468



#### FIRE SUPPRESSION TANK SITE PLAN

PREPARED FOR

UNCLE BOB'S SELF STORAGE

TOWN OF SOUTHEAST, PUTNAM COUNTY, N.Y.

SCALE: AS SHOWN

DATE: 05-07-2013

CHECKED BY: JZ

PROJECT NO.: 2013.010

DRAWN BY: JC

DESIGN BY: JZ

ZARECKI & ASSOCIATES, L.L.C.

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