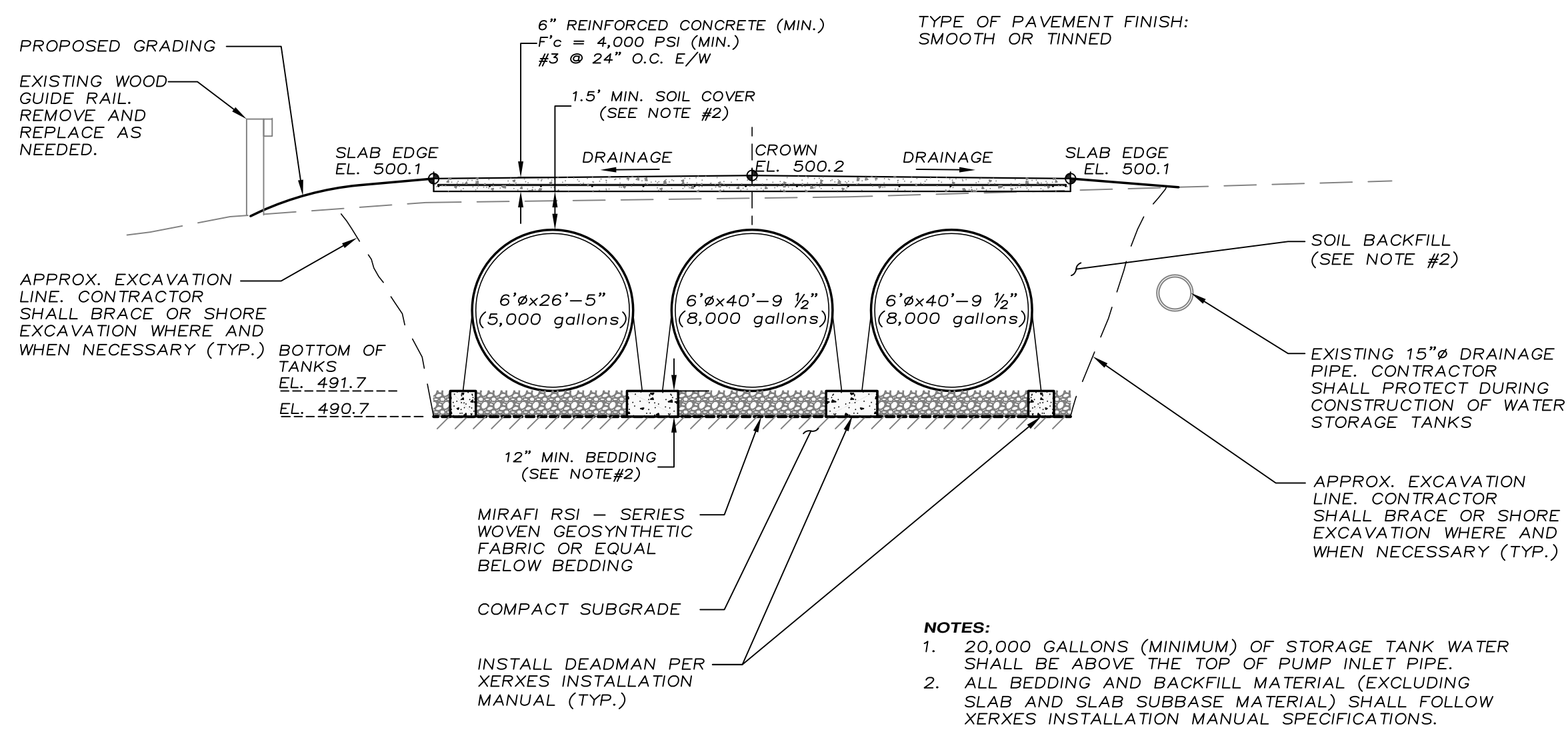
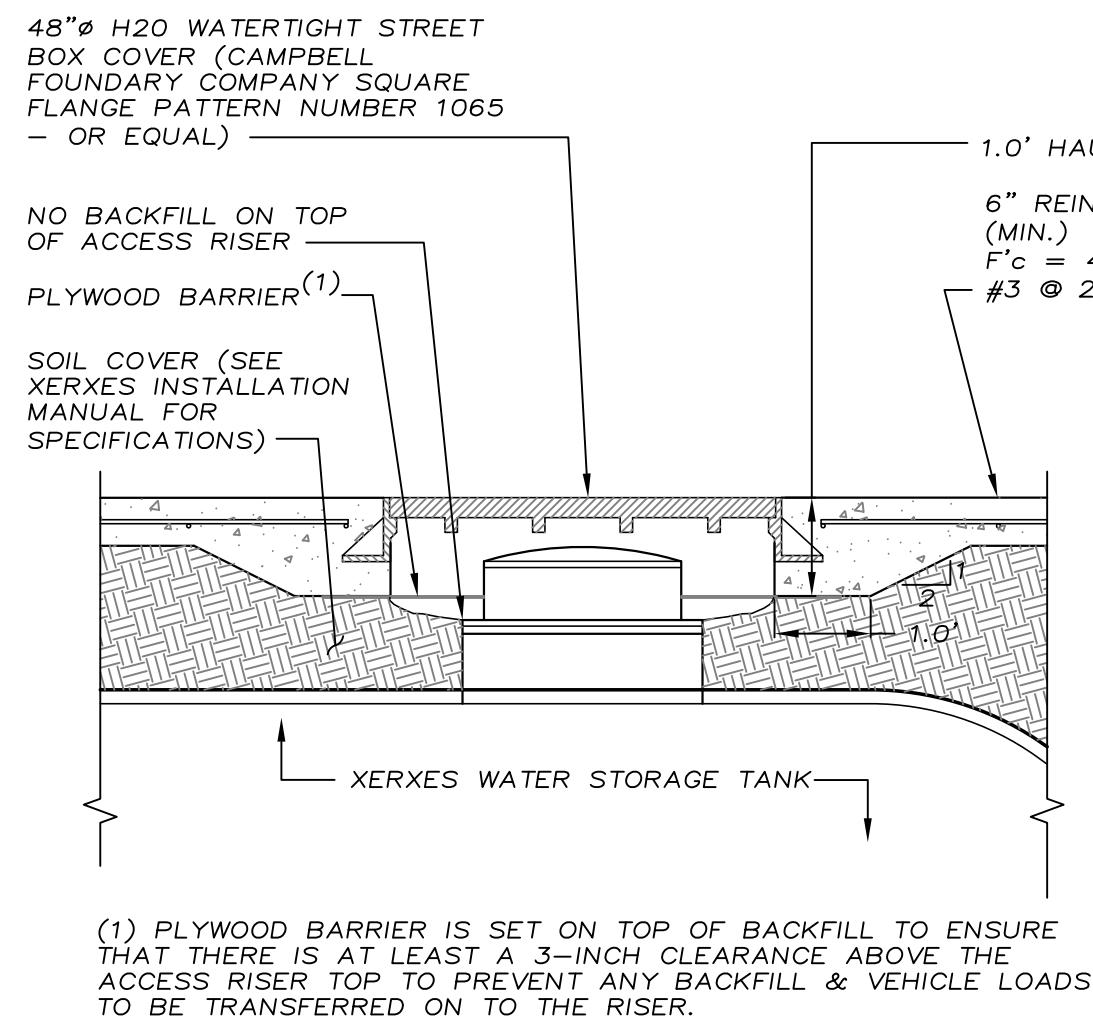


FIRE SUPPRESSION TANKS SECTION (A-A)
SCALE: 1"=5'



FIRE SUPPRESSION TANKS SECTION (B-B)
SCALE: 1"=5'



STREET BOX DETAIL
N.T.S.

CONCRETE SLAB PREPARATION NOTES:

- THE FLOOR SLAB SUBBASE COURSE SHALL BE SELECT GRANULAR MATERIAL AT LEAST 6 INCHES IN DEPTH. THE SUBBASE MATERIAL OF CRUSHER-RUN STONE SHOULD CONFORM TO THE GRADATION CRITERIA OF TYPE 2 MATERIAL, SECTION 304-2.02 OF THE NYSDOT STANDARD SPECIFICATIONS, AS LISTED BELOW IN THE TABLE.

SEIVE SIZE	PERCENT FINER BY WEIGHT
2 INCH	100
1/4 INCH	25 TO 60
NO. 40	5 TO 40
NO. 200	0 TO 10

CONCRETE SLAB DETAILS
N.T.S.

WATER FACILITIES TESTING PROCEDURES

ALL WATER MAIN TESTING SHALL BE PERFORMED UNDER THE SUPERVISION OF THE PROJECT ENGINEER AND CERTIFICATES OF COMPLIANCE WITH TEST STANDARDS SHALL BE PROVIDED TO THE TOWN.

PRESSURE AND LEAKAGE TESTS OF THE SYSTEM SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF AWWA STANDARD C600-05 ENTITLED, "INSTALLATION OF DUCTILE IRON WATER MAINS AND THEIR APPURTENANCES", SECTION 4, "HYDROSTATIC TESTING" OR LATEST REVISION, AS FOLLOWS:

1. PRESSURE TEST

ALL PIPING AND APPURTENANCES SHALL BE SUBJECT TO A HYDROSTATIC PRESSURE OF AT LEAST 1.5 TIMES THE WORKING PRESSURE AT THE POINT OF TESTING BEFORE APPLYING THE SPECIFIC TEST PRESSURE. AIR SHALL BE EXPELLED COMPLETELY FROM THE PIPES, VALVES, HYDRANTS, ETC. CORPORATION STOPS MAY BE REQUIRED TO BE INSTALLED AT SUCH POINTS SO THAT THE AIR CAN BE EXPELLED AS THE LINE FILLS WITH WATER. THE REQUIRED PRESSURE, AS MEASURED AT THE POINT OF TESTING, SHALL BE APPLIED FOR NOT LESS THAN 2 HOURS AND MAY NOT VARY BY MORE THAN APPROXIMATELY 5 PSI FOR THE DURATION OF THE TEST. TEST PRESSURE AT THE HIGHEST POINT ALONG THE TEST SECTION MAY NOT BE LESS THAN 1.25 TIME THE WORKING PRESSURE. TEST PRESSURE SHALL NOT EXCEED PIPE OR THRUST-RESTRAINT DESIGN PRESSURES.

2. LEAKAGE TEST

THE LEAKAGE TEST SHALL BE CONDUCTED CONCURRENTLY WITH THE PRESSURE TEST. LEAKAGE IS DEFINED AS THE QUANTITY OF WATER THAT MUST BE SUPPLIED INTO THE TEST SECTION TO MAINTAIN THE SPECIFIED TEST PRESSURE. A DROP IN PRESSURE IN THE TEST SECTION SHALL NOT MEASURE LEAKAGE OVER A PERIOD OF TIME. NO PIPE INSTALLATION WILL BE ACCEPTED IF THE LEAKAGE IS GREATER THAN THAT DETERMINED BY THE FOLLOWING FORMULA:

$$L = \frac{SD(P)}{148,000} \times 0.5$$

L = THE ALLOWABLE LEAKAGE, IN GALLONS PER HOUR.

S = THE LENGTH OF PIPE TESTED, IN FEET.

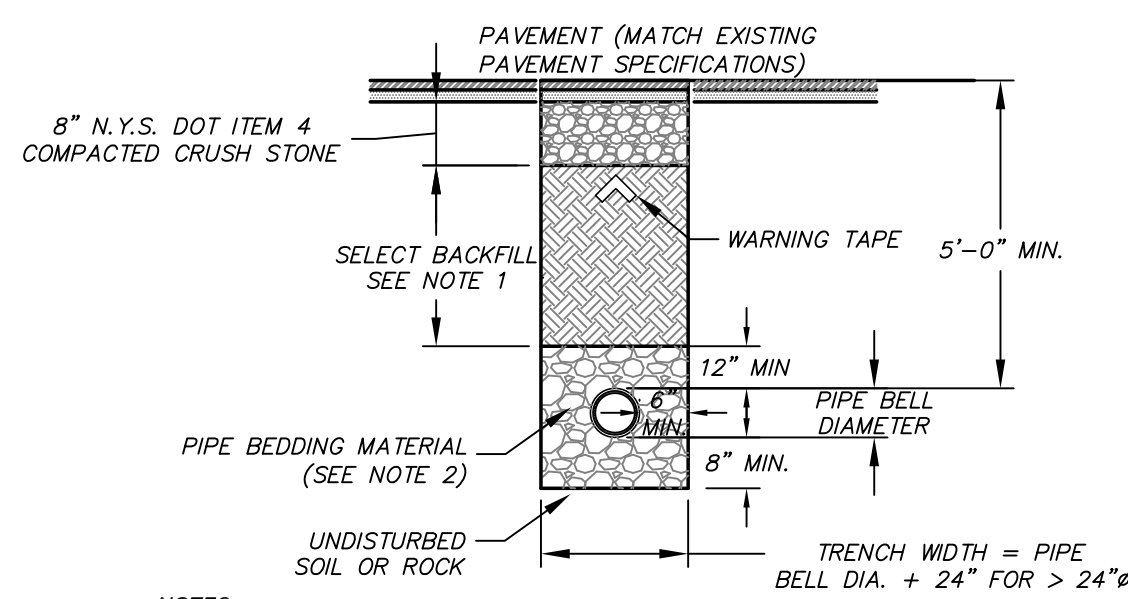
D = THE NOMINAL DIAMETER OF THE PIPE, IN INCHES.

P = THE AVERAGE TEST PRESSURE DURING THE LEAKAGE TEST, IN PSI (GAUGE).

ALL PRESSURE AND LEAKAGE TESTS SHALL BE WITNESSED BY CERTIFYING ENGINEER OF THE WATER SUPPLY SYSTEM.

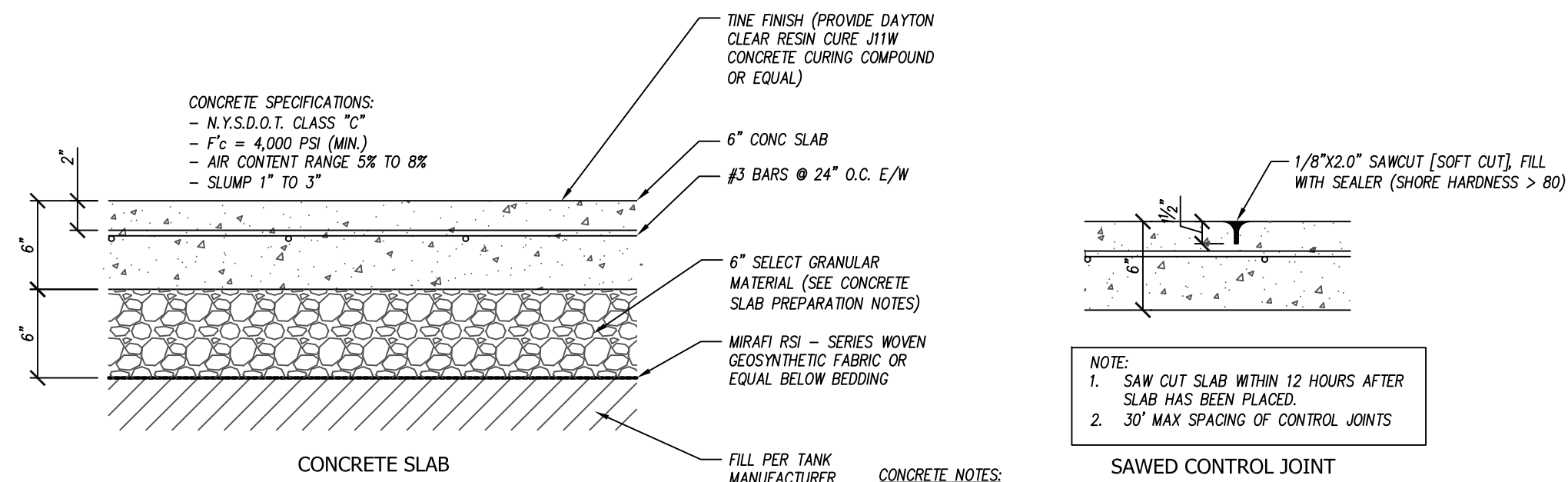
3. TEST FAILURES

- IF ANY PIPE SECTION FAILS THE TEST, NECESSARY REPAIRS SHALL BE MADE AND ALL TESTS REPEATED UNTIL THE WATERMAIN PASSES ALL TESTS.
- ALL REPAIRS AND RETESTING SHALL BE DONE TO THE SATISFACTION OF THE SUPERVISING ENGINEER.



RUN OF BANK (R.O.B.) GRAVEL SHALL BE HARD, DURABLE AND SOUND MEETING THE REQUIREMENTS OF NYSDOT 304-1 TYPE 3, AND SHALL BE WELL GRADED FROM COURSE TO FINE. THE GRADATION TO BE USED IS TO BE AS APPROVED BY THE ENGINEER. HOWEVER, IN GENERAL, ONE HUNDRED PERCENT (100%) BY WEIGHT OF THE PARTICLES SHALL BE OF SUCH SIZE AS WILL PASS THROUGH A FOUR-INCH-SQUARE HOLE; 50 - 75 PERCENT BY WEIGHT SHALL PASS THE NO. 4, 5 - 40 PERCENT BY WEIGHT SHALL PASS THE NO. 40 MESH SIEVE, AND NOT MORE THAN 10 PERCENT BY WEIGHT SHALL PASS THE NO. 200 MESH SIEVE.

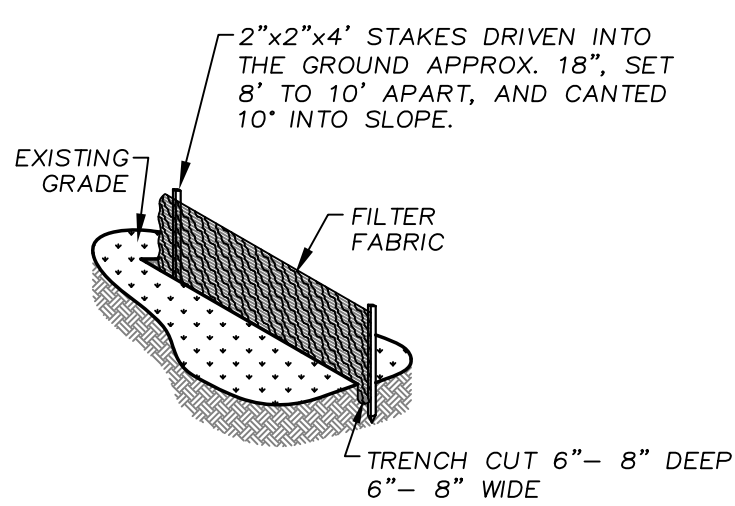
TYPICAL WATER MAIN TRENCH DETAIL
N.T.S.



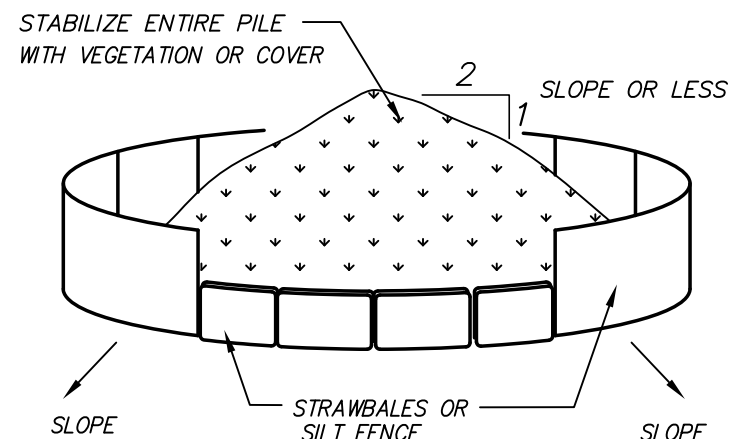
PROPOSED SLAB QUALITY ASSURANCE NOTES:

- DURING THE SLAB CONCRETE PLACEMENT, THE CONTRACTOR SHALL HIRE A THIRD PARTY TESTING ORGANIZATION WITH CERTIFICATES OF ACCREDITATION FOR CONCRETE TESTING. THE TESTING AGENCY SHALL CAST THREE SETS (PAIRS) OF TEST CYLINDERS IN ADDITION TO EACH SET CAST FOR RECORD AND CURE THE CYLINDERS ON SITE IN THE SAME MANNER AS THE SLAB.
- THE ENGINEER WILL FORWARD CYLINDERS TO THE MATERIALS BUREAU OR REGIONAL TESTING FACILITY. ONE SET WILL BE TESTED SEVEN CALENDAR DAYS AFTER PLACEMENT AND, IF NECESSARY, THE SECOND SET WILL BE TESTED FOURTEEN AND, IF NECESSARY, THE LAST SET WILL BE TESTED TWENTY-THREE CALENDAR DAYS AFTER CONCRETE PLACEMENT.

CONCRETE SLAB DETAILS
N.T.S.



SILT FENCE DETAIL
N.T.S.



SOIL STOCKPILING
N.T.S.

PERMANENT VEGETATIVE COVER *:

- SITE PREPARATION**
 - INSTALL EROSION CONTROL MEASURES.
 - SCARIFY COMPACTED SOIL AREAS.
 - LIME AS REQUIRED TO PH 6.0
 - FERTILIZE WITH 5-10-10 13.75LB/1,000 S.F.
 - INCORPORATE AMENDMENTS INTO SOIL WITHIN DISC HARROW.
- 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 CUL-TI-PACKER OR HYDRO-SEEDER AT RATE INDICATED.
 - IRRIGATE TO FULLY SATURATE SOIL LAYER, BUT NOT TO DISLODGE PLANTING SOIL.
 - SEED BETWEEN MARCH 15TH TO MAY 31ST AND SEPTEMBER 1ST TO NOVEMBER 15TH. SEEDING MAY OCCUR BETWEEN JUNE 1ST AND AUGUST 31ST IF ADEQUATE IRRIGATION IS PROVIDED.

TEMPORARY VEGETATIVE COVER *:

- SITE PREPARATION**
 - INSTALL EROSION CONTROL MEASURES.
 - SCARIFY AREAS OF COMPACTED SOIL.
 - FERTILIZE WITH 10-10-10 AT 400/ACRE.
 - LIME AS REQUIRED TO PH 6.5.
- SEED SPECIES**

MIXTURE	LB./ACRE
RAPIDLY GERMINATING ANNUAL RYEGRASS	20
PERENNIAL RYEGRASS	20
CEREAL OATS	36
- SEEDING**

SAME AS PERMANENT VEGETATIVE COVER

*NOTE: PERMANENT/TEMPORARY VEGETATIVE COVER MEASURES (I.E. SEED, MULCH, ETC) AND METHODS SHALL BE APPROVED BY OWNER/ARCHITECT

MULCHING *:

- SITE PREPARATION**
 - PRIOR TO MULCHING, INSTALL THE NECESSARY TEMPORARY OR PERMANENT EROSION CONTROL (STRUCTURAL) PRACTICES WITHIN OR ADJACENT TO AREA TO BE MULCHED.
 - SLOPE, GRADE AND SMOOTH THE SITE IF CONVENTIONAL EQUIPMENT IS TO BE USED IN APPLYING AND ANCHORING THE MULCH.
 - REMOVE ALL UNDESIRABLE STONES AND OTHER DEBRIS DEPENDING ON ANTICIPATED LAND USE.
 - COMPACTED OR CRUSTED SOIL SURFACE SHOULD BE LOOSENED TO AT LEAST TWO INCHES BY DISKING OR OTHER SUITABLE METHODS.
- MULCHING MATERIALS**

THE BEST COMBINATION FOR GRASS/LEGUME ESTABLISHMENT IS STRAW (SMALL GRAIN) MULCH APPLIED AT 2 TON/ACRE (90 LBS./1,000 SQ. FT.) AND ANCHORED WITH WOOD FIBER MULCH (HYDROMULCH) AT 500-700 LBS./ACRE (11-17 LBS./1,000 SQ. FT.). THE WOOD FIBER MULCH MUST BE APPLIED THROUGH A HYDROSEDER IMMEDIATELY AFTER MULCHING.

DETAILS & NOTES

PREPARED FOR
UNCLE BOB'S SELF STORAGE
TOWN OF SOUTHEAST, PUTNAM COUNTY, N.Y.

SCALE: AS SHOWN	CHECKED BY: JZ	DRAWN BY: JC
DATE: 05-07-2013	PROJECT NO.: 2013.010	DESIGN BY: JZ
ZARECKI & ASSOCIATES, L.L.C. Consulting Engineers - Land Surveyors - Architects 11 West Main St. Pawling, NY 12564 845.855.3771		DWG. NO. 2 OF 4

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