









SEDIMENTATION AND EROSION PLAN

PROJECT DESCRIPTION

THE PROJECT INCLUDES THE REMOVAL OF ACCUMULATED SEDIMENT, THE STABILIZATION OF ERODED DITCHES AND THE INSTALLATION OF NATURAL AND ARTIFICIAL MEASURES TO REDUCE ACTIVE EROSION AND TRAP SEDIMENT. THE OBJECTIVE OF THE WORK IS TO REDUCE THE AMOUNT OF SEDIMENT ENTERING THE LAKE.

SITE SPECIFIC EROSION AND SEDIMENTATION ISSUES

SPECIFIC SOIL EROSION AND SEDIMENTATION ISSUES RELATE TO THE:

1) DISTURBANCE OF SOIL SURFACES ASSOCIATED WITH TEMPORARY ACCESS, SEDIMENT REMOVAL AND THE CONSTRUCTION OF LINED CHANNELS, STORM DRAINAGE, ETC.

2) STABILIZATION AND RESTORATION OF SEVERELY ERODED WATERCOURSES.

3) MAINTENANCE OF TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES DURING CONSTRUCTION.

PROJECT PHASING

THE PROJECT IS NOT LARGE ENOUGH TO REQUIRE A FORMAL PHASING PLAN. ONCE LAND DISTURBANCE BEGINS AT A SITE, WORK ON THAT SITE IS TO PROCEED CONTINUOUSLY TO COMPLETION.

MAINTENANCE OF E&S CONTROL MEASURES

1) LAND DISTURBANCE WILL BE KEPT TO A MINIMUM; RESTABILIZATION WILL BE SCHEDULED AS SOON AS PRACTICAL.

2) CATCH BASINS WITHIN THE WORK AREAS ARE TO HAVE "SILT SACK" OR EQUIVALENT INSERTS INSTALLED AT TIME OF CONSTRUCTION AND MAINTAINED UNTIL SITE IS STABILIZED.

FILL SLOPES, SOIL STOCKPILE AREAS, AND IN THOSE AREAS SHOWN ON

3) SILT FENCE WILL BE INSTALLED ALONG THE TOE OF ALL CUT AND

4) SILT FENCE NOT INSTALLED PARALLEL TO THE SLOPE SHALL HAVE FIVE FOOT LONG WINGS INSTALLED EVERY 100 FEET TO INTERCEPT AND DIFFUSE FLOWS ALONG THE SILT FENCE.

5) ALL EROSION AND SEDIMENT CONTROL MEASURES WILL BE CONSTRUCTED IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS OF THE 1997 NEW YORK GUIDELINES FOR URBAN SOIL EROSION AND SEDIMENT CONTROL, AS MAY BE AMENDED.

6) EROSION AND SEDIMENT CONTROL MEASURES WILL BE INSTALLED PRIOR TO LAND DISTURBANCE WHENEVER POSSIBLE.

7) ALL TEMPORARY EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE PROPERLY MAINTAINED UNTIL STABILIZATION HAS BEEN ACHIEVED.

8) ADDITIONAL CONTROL MEASURES WILL BE INSTALLED DURING THE CONSTRUCTION PERIOD IF NECESSARY OR REQUIRED. A MINIMUM OF 100 FEET OF SILT FENCE SHALL BE STORED AT THE SITE FOR EMERGENCY USE.

9) THE CONTRACTOR SHALL INSPECT ALL EROSION AND SEDIMENT CONTROLS WEEKLY, BEFORE AN ANTICIPATED STORM GREATER THEN 0.1 INCH, AND FOLLOWING A SIGNIFICANT STORM EVENT. A FIELD REPORT SHALL BE PREPARED IDENTIFYING THE PROGRESS OF SITE DEVELOPMENT, EFFECTIVENESS OF THE MEASURES, AND REMEDIAL ACTIONS OR FIELD CHANGES TO THE PLAN.

10) ANY EXCAVATIONS THAT MUST BE DEWATERED WILL BE PUMPED INTO AN ACTIVE DRAINAGE SYSTEM OR DISPERSED IN AN UNDISTURBED FIELD AREA. THE INLETS OF ALL PUMPS ARE TO BE FLOATED A MINIMUM OF 24 INCHES OFF THE BOTTOM OF THE EXCAVATION.

11) WATER SHALL BE APPLIED TO UNPAVED DRIVEWAYS AND HAUL ROUTES TO CONTROL DUST.

12) DEBRIS AND OTHER WASTES RESULTING FROM EQUIPMENT MAINTENANCE AND CONSTRUCTION ACTIVITIES WILL NOT BE DISCARDED

13) SILT FENCES SHALL HAVE SEDIMENT REMOVED WHEN THE DEPTH OF THE SEDIMENT IS EQUAL TO 1/3 THE HEIGHT OF THE FENCE. FENCES SHALL BE PROPERLY INSTALLED AND RIPPED FENCE OR BROKEN POSTS REPAIRED AS SOON AS PRACTICAL.

14) CATCH BASIN INSERTS (SILT SACK OR EQUIVALENT) SHALL BE CLEANED WHEN THE RESERVOIRS ARE FULL.

15) CONSTRUCTION ENTRANCES AND CHECK DAMS SHALL BE REPLACED WHEN VOID SPACES ARE FULL OR STRUCTURES ARE BREACHED, AS APPLICABLE.

16) SEDIMENT REMOVED FROM CONTROL STRUCTURES WILL BE DISPOSED OFF-SITE IN A PROPER AND LEGAL MANNER.

17) TEMPORARY EROSION CONTROL MEASURES SHALL BE REMOVED AND THE SOIL SURFACE STABILIZED WHEN CONSTRUCTION IS COMPLETE AND THE SOIL SURFACES ARE PERMANENTLY STABILIZED. STRUCTURAL COMPONENTS SHALL BE CLEANED OF ALL SEDIMENT UPON COMPLETION OF CONSTRUCTION. STABILIZATION MEANS THAT: 1) TEMPORARY OR PERMANENT VEGETATION HAS BEEN ESTABLISHED, 2) DISTURBED SOIL SURFACES WITHIN 100 FEET OF THE WETLAND HAVE A DENSE STAND OF GRASS OR ARE COVERED BY AN EROSION CONTROL BLANKET (ECB), 3) TURF OR LANDSCAPE AREAS ARE PLANTED OR MULCHED. IF SEASONAL RESTRICTIONS EXIST FOR PLANTING, THE TOWN OF SOUTH SALEM STAFF SHALL DETERMINE WHETHER THE SITE IS STABILIZED IN ACCORDANCE WITH THE ABOVE CRITERIA, PRUDENT CONSTRUCTION PRACTICES AND THE NEW YORK GUIDELINES FOR URBAN SOIL EROSION AND SEDIMENT CONTROL.

18) THE CONTRACTOR IS ASSIGNED THE RESPONSIBILITY FOR IMPLEMENTING THIS EROSION AND SEDIMENT CONTROL PLAN. THIS RESPONSIBILITY INCLUDES INSTALLATION AND MAINTENANCE OF CONTROL MEASURES, INFORMING ALL PARTIES ENGAGED ON THE CONSTRUCTION SITE OF THE REQUIREMENTS AND OBJECTIVES OF THE PLAN.

CONSTRUCTION SEQUENCING

SITE #3

1. INSTALL CONSTRUCTION ENTRANCE, SILT CURTAINS AND SILT FENCES. CLEAR AND GRUB DISTURBANCE AREA.

- 2. CONSTRUCT BOULDER WALL. EXCAVATE AND FORM FOREBAY.
- 3. INSTALL PIPES, MANHOLES, HYDRODYNAMIC SEPARATOR, CATCH BASINS.
- 4. RESTORE CHANNEL AND CONSTRUCT CHECK DAMS EAST OF ROAD.
- 5. REGRADE AND PAVE PARKING AREA ALONG TRUESDALE LAKE DRIVE. RE-SURFACE ENTRY DRIVE AND PARKING AREA.
- 6. INSTALL FENCE GATE, LANDING AND STEPS. COMPLETE PLANTING PLAN.
- 7. SEED AND MULCH ALL AREAS DISTURBED BY CONSTRUCTION.
- 8. REMOVE ACCUMULATED SEDIMENT FROM ALL CATCH BASINS, HYDRODYNAMIC SEPARATOR, PIPES AND FOREBAY.

PLANTING NOTES

SEED BED PREPARATION

FINE GRADE AND RAKE SOIL SURFACE TO REMOVE STONES LARGER THAN 2" IN DIAMETER. APPLY LIMESTONE AT A RATE OF 2 TONS/ACRE OR 90 LBS/1000 SQ. FT.

SEED AND FERTILIZER APPLICATION

THOROUGHLY MIX SEED MIXTURE WITH 3 TIMES ITS VOLUME OF SAND. APPLY SEED MIXTURE IN AN EVEN COVERAGE BY HAND OR CYCLONE SEEDER. APPLY 8 TO 9 MONTH RELEASE OSMOCOTE® 18-6-12 FERTILIZER OR EQUIVALENT AT A RATE OF 300 LBS PER ACRE. LIGHTLY ROLL THE SEEDED SURFACE TO ENSURE GOOD CONTACT WITH SEDIMENTS. LIGHTLY DRAG THE SEEDED SURFACE TO COVER SEED WITH A THIN (LESS THAN 1/8 INCH) FILM OF SOIL. SEEDING SHOULD BE DONE BETWEEN APRIL 15 AND JUNE 1 OR BETWEEN AUGUST 15 AND OCTOBER 15. IF SEEDING CANNOT BE DONE DURING THESE TIMES, FOLLOW MULCHING PROCEDURE DESCRIBED BELOW.

MULCHING

IMMEDIATELY FOLLOWING SEEDING, MULCH THE SEEDED SURFACE WITH WEED FREE STRAW OR HAY AT A RATE OF 1 TO 1.5 TONS/AC. SPREAD MULCH BY HAND OR MULCH BLOWER.

SEED MIXTURES APPLICATION RATE

NEW ENGLAND EROSION CONTROL/RESTORATION MIX 1 LB/1250 SQ.FT.

ABOVE SEED MIX AVAILABLE FROM NEW ENGLAND WETLAND PLANTS, INC. (413) 256-1752

EMERGENT WETLAND PLANTING NOTES

1. ALL PLANT MATERIALS SHALL BE INSPECTED FOR DEFECTS OR DAMAGE BEFORE PLANTING. SUBSTANDARD PLANTS SHALL BE RETURNED TO, AND REPLACED BY THE CONTRACTOR. ACCEPTABLE PLANTS ARE TO BE PLANTED PER THE SPECIFICATIONS OF THE PLANTING PLAN. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO PROVIDE FOR THE SAFEKEEPING AND MAINTENANCE OF THESE PLANTS FOR THE DURATION OF SITE ACTIVITY.

2. ALL PLANT MATERIAL PLACEMENT IS SUBJECT TO FIELD ADJUSTMENT IN RESPONSE TO SITE CONDITIONS. THESE ADJUSTMENTS SHALL BE AT THE DISCRETION OF THE ENVIRONMENTAL SUPERVISOR.

3. ALL PLANT MATERIALS ARE SUBJECT TO REPLACEMENT BY SUITABLE ALTERNATIVES PER AGREEMENT BETWEEN OWNER, NURSERY CONTRACTOR, ENVIRONMENTAL SUPERVISOR AND APPROPRIATE AGENCIES.

4. PLANT MATERIALS ARE TO BE PLANTED IN ACCORDANCE WITH REQUIREMENTS SPECIFIED IN THE PLANTING SPECIFICATIONS. PLANTINGS SHALL BE CONCENTRATED IN PATCHES TO ALLOW EACH VARIETY TO START IT OWN BED OF PLANTS. PLANTS SHALL BE LOCATED IN ACCORDANCE WITH THE WATER DEPTH SPECIFICATIONS IN THE PLANTING TABLES.

5. ALL TUBERS AND ROOT STOCK SHALL BE PUSHED ONE TO TWO INCHES DEEP INTO THE ORGANIC SOIL AND SPACED ABOUT THREE FEET APART. PLANTS WITH GROWING STEMS SHALL BE PLANTED SUCH THAT THE GROWING STEM EXTENDS ABOVE THE SOIL SURFACE. WEIGHTING OF TUBERS AND ROOT STOCK WITH FENCE STAPLES AND OR EIGHT PENNY NAILS MAY BE REQUIRED IF DISLODGING AND FLOATING IS A PROBLEM.

6. WIRE MESH SHEETING (CHICKEN WIRE OR EQUIVALENT) IS TO BE PLACED ABOVE ALL PLANTED BEDS AND APPROPRIATELY ANCHORED TO PREVENT PREDATION OF TUBERS AND ROOT STOCK BY WILDLIFE.

Emergent Wetland Planting Area – Site #3

Quantity	v. Common Name	Botanical Name	Water Depth
9	Sweet Flag	Acorus calamus	0-6"
9	Blue Flag	Iris versicolor	0-6"
9	Burreed	Sparganium americanum	6-18"
9	Soft Rush	Juncus effuses	6-18"
9	Soft stem bulrush	Scirpus validus	6-24"
9	Pickerelweed	Pontedaria cordata	6-24"

CLIENT REVIEW ONLY

NOT FOR CONSTRUCTION

REVISED 5/20/09: MISC. REVISED 3/26/09: MISC. REVISED 7/10/08: MISC. REVISED 5/6/08: STORMWATER BMP, PARKING.



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TRUESDALE LAKE ASSOCIATION

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PROJECT LOCATION:

DETAILS AND NOTES

DWG. NO.: **05-4295-02** DATE: 1/8/07 SHEET 3 OF 3

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