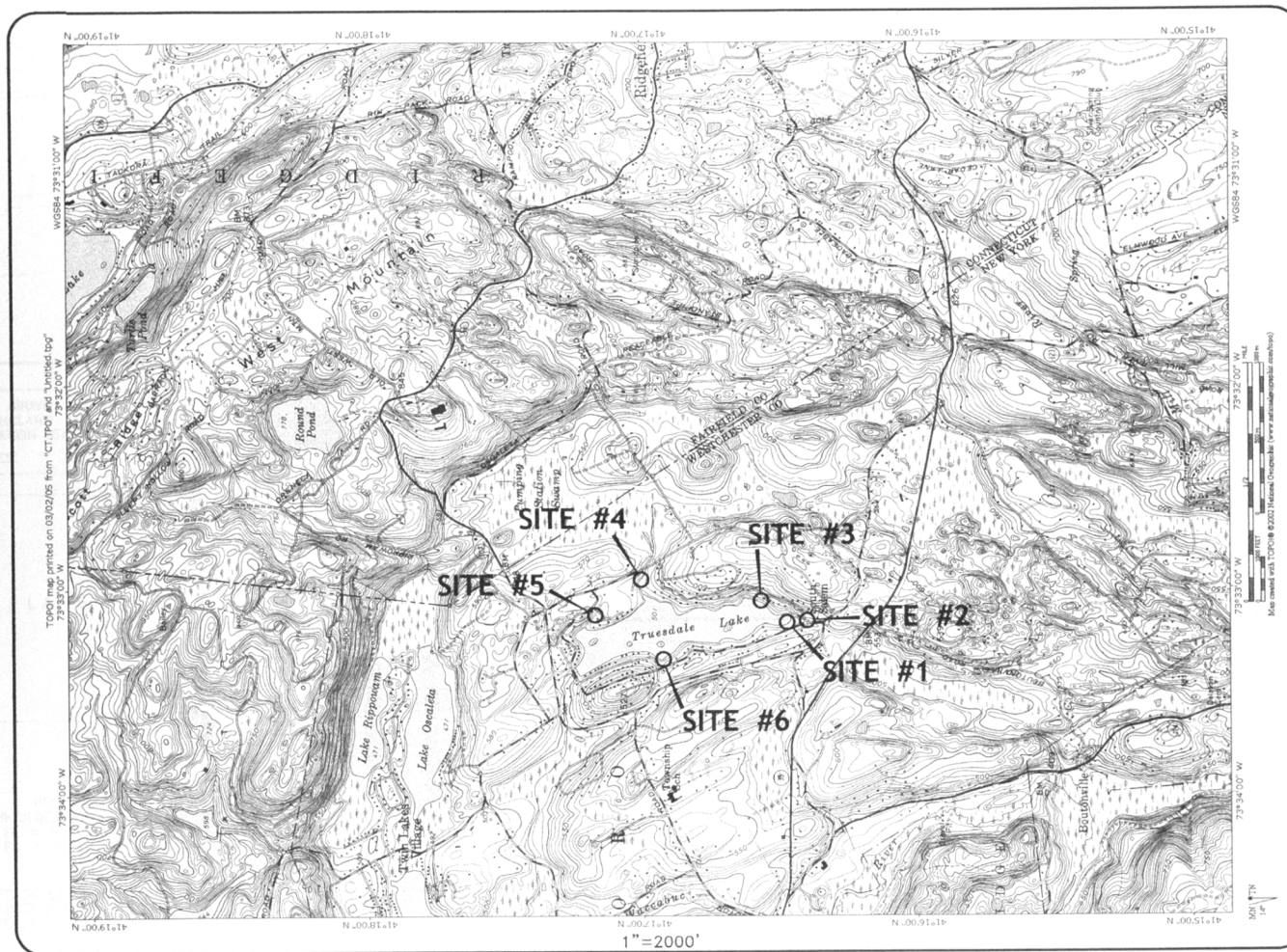


## Truesdale Lake: Key Stormwater Runoff Sites – Engineering Plans to Address Remediation

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Plans by Land-Tech. Imaging by Rob Cummings.

For original plans, see David Sachs or Rob Cummings. Larger format scans are also available at [www.truesdalelake.com](http://www.truesdalelake.com) website. Search for “Key Stormwater Runoff Sites” or look for link in the Lake Restoration Project home page.



Main Topographic Map depicting site locations around the lake





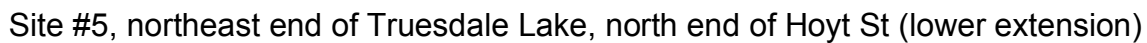




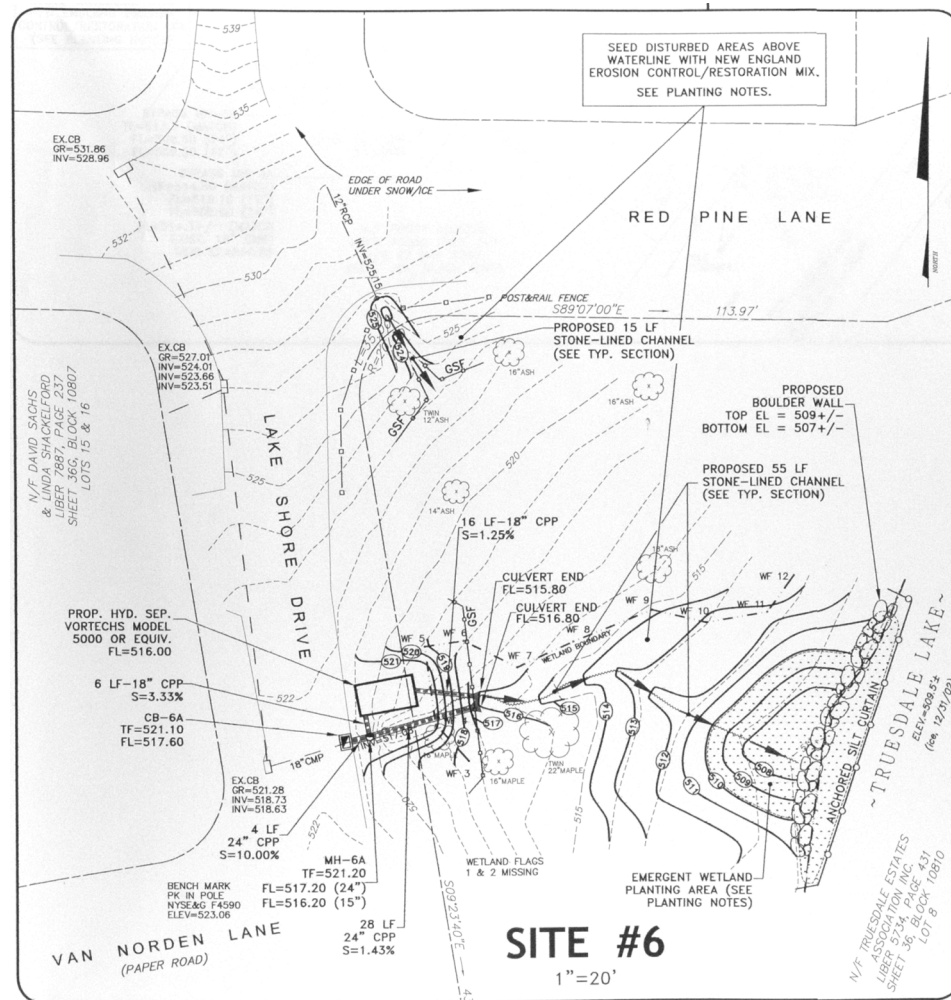








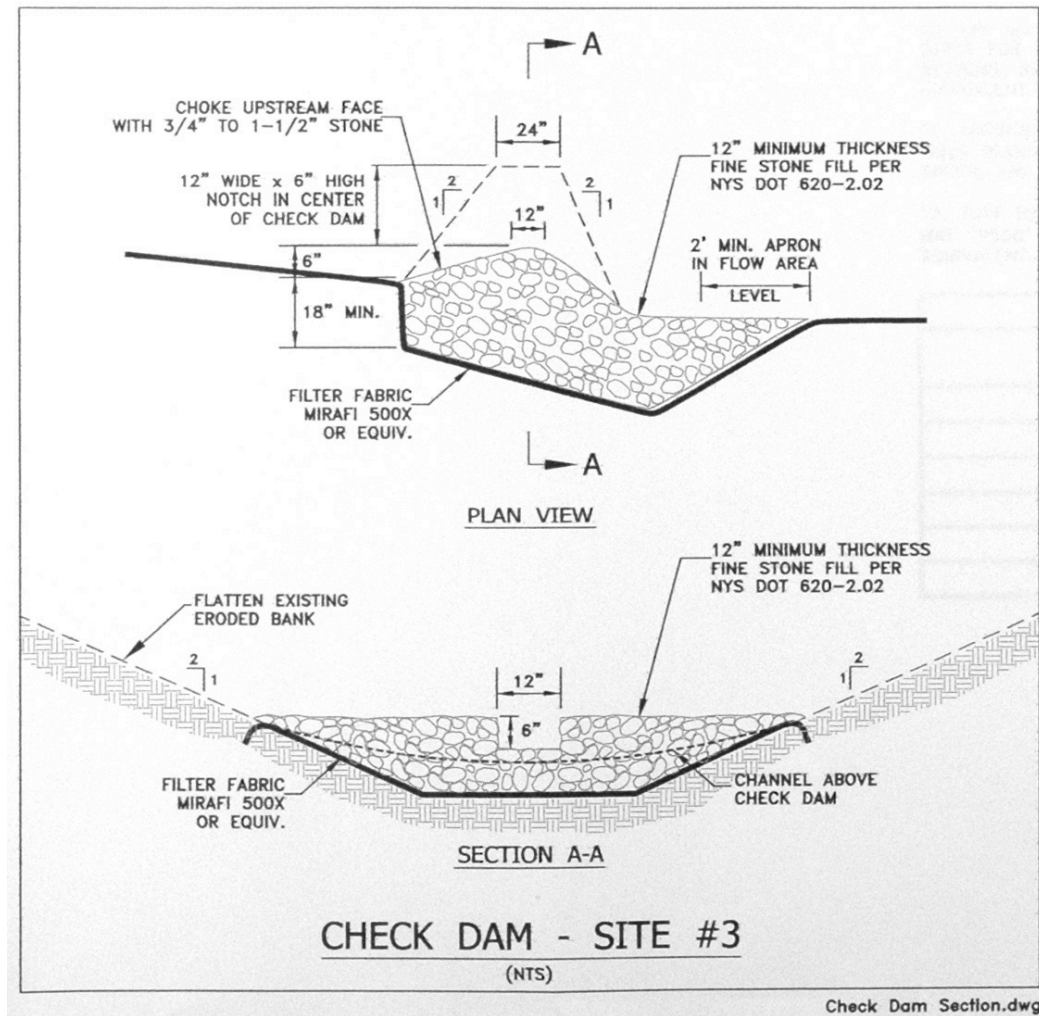
Site #5, northeast end of Truesdale Lake, north end of Hoyt St (lower extension)



Site #6, intersection of Lake Shore Drive, Gilbert, and Bouton Street (west side of lake)

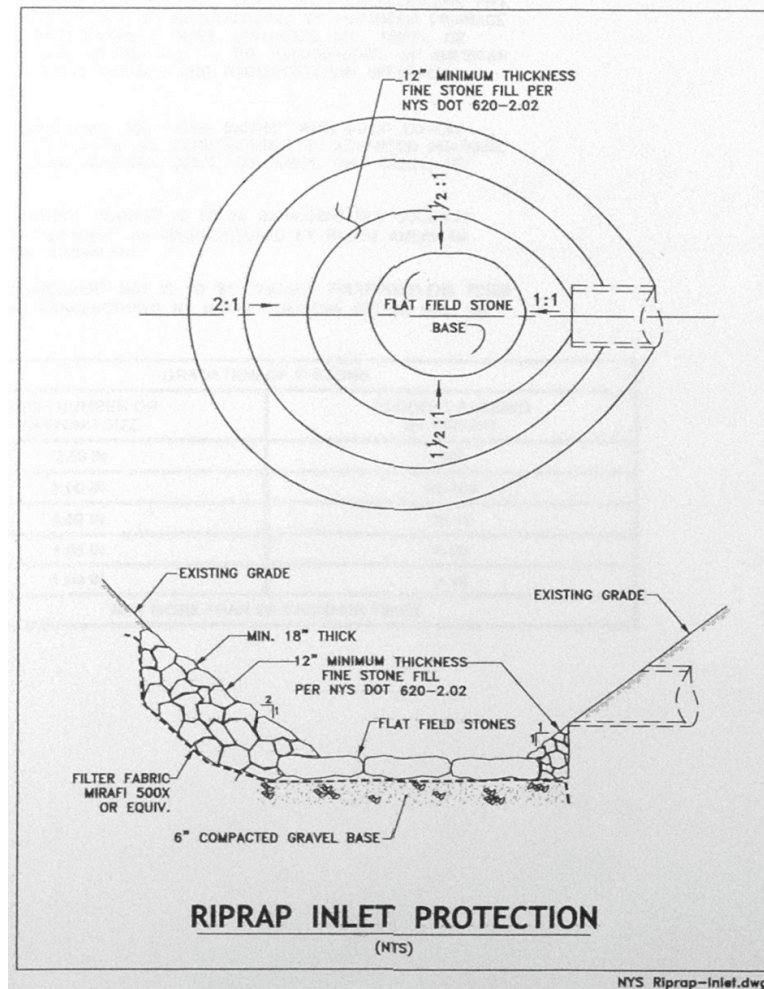






Site #3 Check Dam Detail

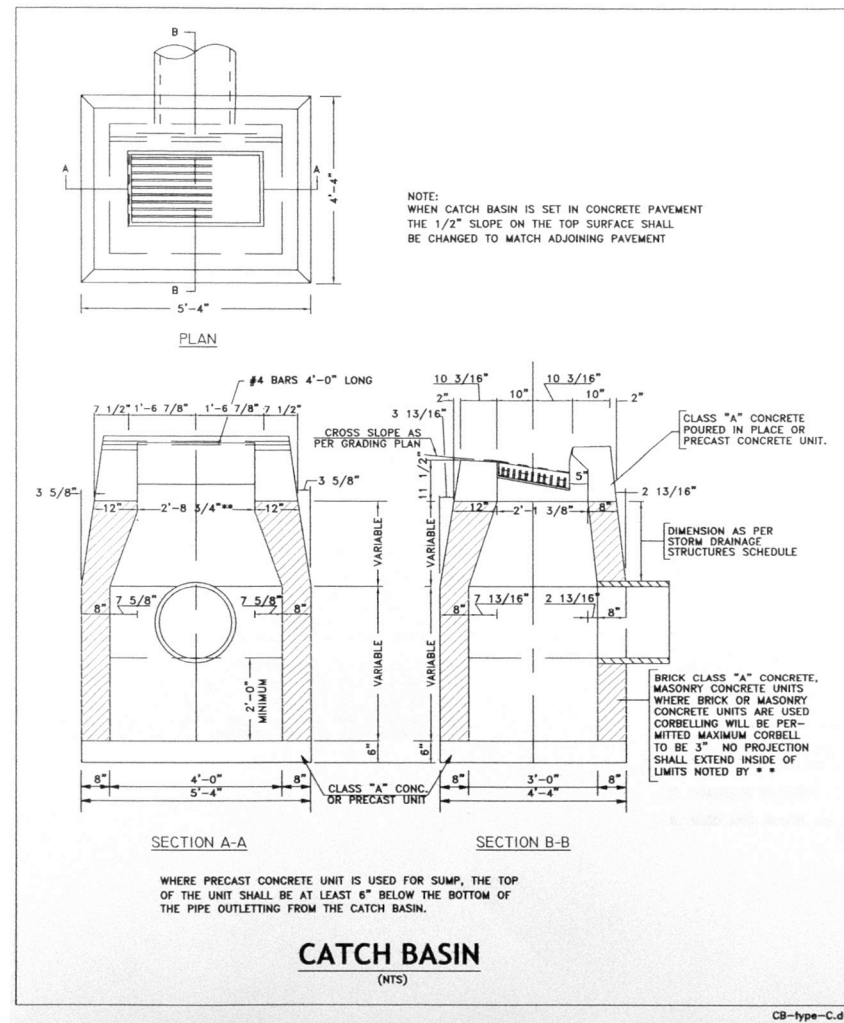




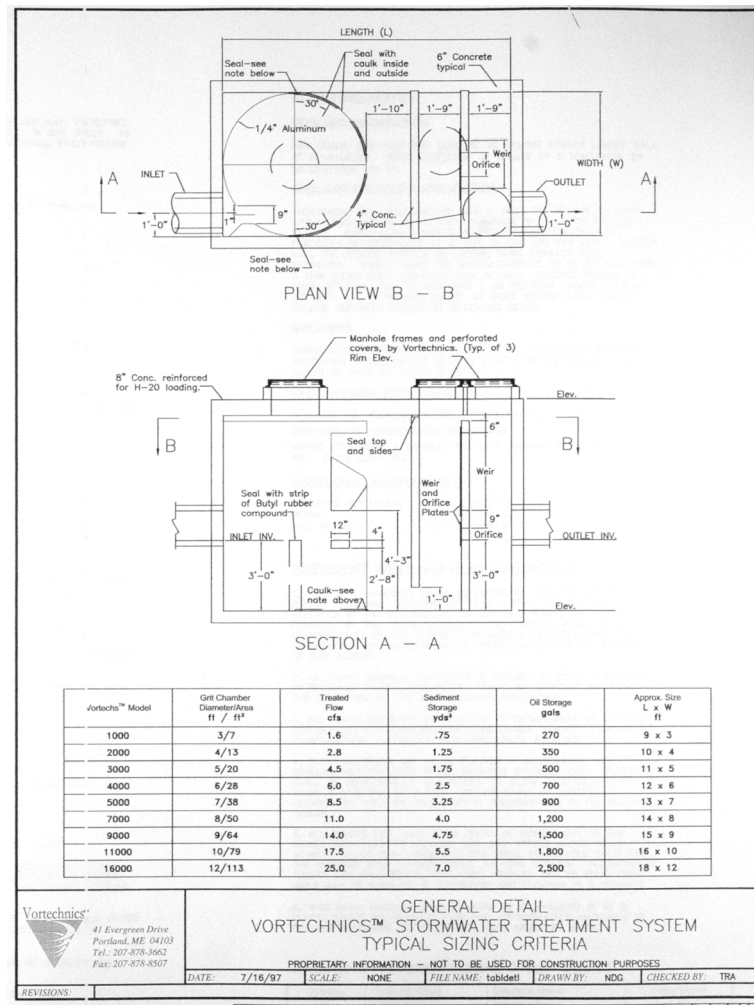
Riprap Detail



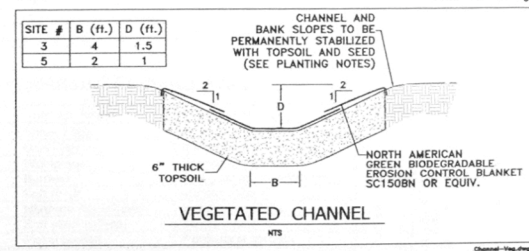
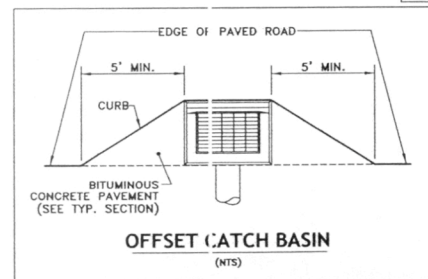
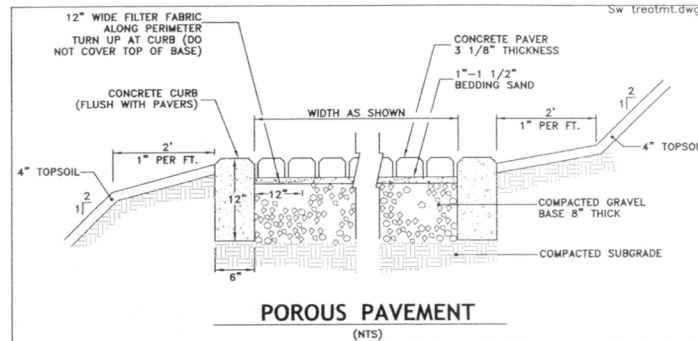
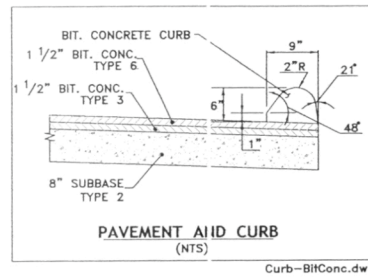




Catch Basin Detail



Vortech Stormwater Treatment System Detail



REVISED 10/24/05

<b>Land-Tech Consultants, Inc.</b> ENVIRONMENTAL SCIENTISTS AND ENGINEERS 205 PLAYHOUSE CORNER SOUTHURY, CT 06488 PHONE: (203) 264-8300 FAX: (203) 264-5995 31 FRANKLIN STREET WESTPORT, CT 06880 PHONE: (203) 454-2110 FAX: (203) 454-4971		PREPARED FOR: <b>TRUESDALE LAKE ASSOCIATION</b>	PROJECT LOCATION: <b>SOUTH SALEM, NY</b>
TITLE: <b>DETAILS</b>			
DATE: <b>3/22/2005</b>	DWN. BY: <b>MBC</b>	DWG. NO.: <b>05-4295-01</b>	
SCALE: <b>NONE</b>	CKD. BY: <b>MJB</b>	SHEET <b>4</b> OF <b>5</b>	

CURRENT PROJECTS\05-4295 TRUESDALE LAKE\TRUESDALE LAKE SITE IMPROVTS2.DWG, 4 DETAILS, 10/3/2005

## Pavement Other Details



# Construction Notes

GENERAL NOTES

1. PROPERTY LINES, EXISTING TOPOGRAPHY AND DETAIL TAKEN FROM MAP ENTITLED "TOPOGRAPHIC SURVEY DEPICTING EXISTING CONDITIONS, SOUTH SALEM, NEW YORK," DATED FEBRUARY 2, 2003 AND AUGUST 23, 2005, PREPARED FOR TRIJESDALE LAKE ASSOCIATION BY REYNOLDS & MEAD.

2. CONTRACTOR IS RESPONSIBLE FOR ALL FIELD LAYOUT AND STAKING.

3. CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS REQUIRED FOR WORK WITHIN PUBLIC STREETS, AND IS TO FURNISH COPIES OF SUCH PERMITS TO THE OWNER BEFORE BEGINNING CONSTRUCTION.

4. CONTRACTOR IS TO NOTIFY "DO SAFELY NEW YORK" AT LEAST TWO FULL WORKING DAYS BEFORE BEGINNING CONSTRUCTION (1-800-962-7982).

5. CONTRACTOR IS TO BE AWARE THAT INFORMATION SHOWN HEREON RELATED TO EXISTING UTILITIES IS TAKEN FROM THE BEST AVAILABLE SOURCES, INCLUDING FIELD SURVEY, BUT MAY NOT BE COMPLETE OR ACCURATE. CONTRACTOR IS TO NOTIFY OWNER IF CONFLICT BETWEEN PLANS AND FIELD CONDITIONS OCCURS.

6. THE PHRASE "OR EQUIVALENT" USED ON THIS PROJECT ALLOWS THE CONTRACTOR TO SUBSTITUTE CERTAIN MANUFACTURED ITEMS FOR EQUIVALENT ITEMS BY THE SAME OR ANOTHER MANUFACTURER. SUCH SUBSTITUTION REQUIRES WRITTEN APPROVAL BY THE ENGINEER IN ADVANCE.

7. CONTRACTOR IS TO MAINTAIN AND PROTECT TWO-WAY TRAFFIC ON ALL PUBLIC STREETS AT ALL TIMES.

8. THE TERM "OWNER" REFERS TO THE TRIJESDALE LAKE PROPERTY OWNERS ASSOCIATION, WHO SHALL PROVIDE LIAISON BETWEEN THE CONTRACTOR AND THE INDIVIDUAL OWNERS OF THE PROPERTIES ON WHICH WORK IS TO OCCUR.

9. EQUIPMENT AND MATERIAL STORAGE AND MAINTENANCE AREAS SHALL BE SUGGESTED BY THE CONTRACTOR AND APPROVED BY THE OWNER.

10. PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES, A PRE-CONSTRUCTION CONFERENCE SHALL BE HELD WITH THE OWNER, CONTRACTOR AND ENGINEER.

11. DEBRIS AND OTHER WASTE RESULTING FROM EQUIPMENT MAINTENANCE AND CONSTRUCTION ARE NOT TO BE DISCARDED ON-SITE. ALL WASTE MATERIALS ARE TO BE DISCARDED OFF-SITE BY CONTRACTOR.

CONSTRUCTION NOTES

1. FINE STONE FILLING IS TO CONFORM TO NEW YORK DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS SECTION 620-2.0.1.

2. SILT FENCE SHALL FOLLOW EXISTING CONTOURS WITH THE ENDS OF THE FENCE TURNED UPHEM TO PREVENT END CUTTING. SILT FENCE NOT PLACED ON CONTOURS IS TO HAVE WINGS INSTALLED AT INTERVALS NOT GREATER THAN 80 FEET TO INTERRUPT FLOWS PARALLEL TO THE FENCE. FILTER FABRIC IS TO BE EKKON GEOTEXTILE FABRIC GTF-100S, OR EQUIVALENT. CONTRACTOR IS TO PROVIDE A MINIMUM OF 150 FEET OF ADDITIONAL SILT FENCE WITH POSTS ON HAND FOR EMERGENCIES.

3. SILT CURTAIN SHALL BE "SILTMASTER®" TYPE L, AS MANUFACTURED BY PARKER SYSTEMS, INC., CHESAPEAKE, VA. 23323, PHONE 800-459-0540 OR "EQUIVALENT" (HYDRODYNAMIC CURTAIN).

4. CATCH BASIN INSERTS SHALL BE "SILT SACK" FILTRATION DEVICES AS MANUFACTURED BY AC2 ENVIRONMENTAL, INC., 2831 CARDWELL ROAD, RICHMOND, VA. 23234, OR EQUIVALENT.

5. DIRTBAO® AND SILTSACK® FILTRATION DEVICES SHALL BE AS MANUFACTURED BY AC2 ENVIRONMENTAL, INC., 2831 CARDWELL ROAD, RICHMOND, VA. 23234, OR EQUIVALENT.

6. BROWN OR CRUSHED STONE (2") FOR ANTI-TRACKING PADS IS TO MEET THE GRADATION SHOWN IN THE TABLE BELOW.

7. ALL STORM DRAINAGE, PAVING AND CURBING CONSTRUCTION IS TO CONFORM TO NEW YORK DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS.

8. PAVERS ARE TO BE "TURFSTONE" AS MANUFACTURED BY UNILOCK NEW YORK, INC., 51 INTERNATIONAL BOULEVARD, BREWSTER, NY 10509, OR EQUIVALENT. INSTALLATION IS TO BE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.

9. CORRUGATED POLYETHYLENE PIPE (CPP) AND COUPLINGS SHALL BE N-12B SMOOTH INTERIOR, HEAVY DUTY CORRUGATED POLYETHYLENE PIPE WITH SERIES 36 COUPLINGS AS MANUFACTURED BY ADVANCED DRAINAGE SYSTEMS, INC., 3300 RIVERSIDE DRIVE, COLUMBUS, OH 43221, OR EQUIVALENT AND ARE TO CONFORM TO THE REQUIREMENTS OF AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS (AASHTO) M-284.

10. CPP MANHOLES SHALL BE "DRAIN BASINS" WITH SOLID COVERS RATED FOR HS-20 LOADING AS MANUFACTURED BY ADVANCED DRAINAGE SYSTEMS, INC., 3300 RIVERSIDE DRIVE, COLUMBUS, OH 43221, OR EQUIVALENT.

11. EROSION-CONTROL BLANKET IS TO BE BIODEGRADABLE COCONUT FIBER BLANKET "SC150BN" AS MANUFACTURED BY NORTH AMERICAN GREEN, INC. OR EQUIVALENT.

12. TURF REINFORCEMENT MAT IS TO BE "VMA3" POLYPROPYLENE FIBER MAT "PSS6" AS MANUFACTURED BY NORTH AMERICAN GREEN, INC., OR EQUIVALENT.

GRADATION OF 2" STONE	
MESH NUMBER OR OPENING SIZE	PERCENT PASSING BY WEIGHT
2.50 IN.	100
2.00 IN.	95-100
1.50 IN.	35-70
1.25 IN.	0-25
1.00 IN.	0-10
NOT MORE THAN 2% CRUSHER FINES	

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 WORK IS PROPOSED AT SIX SEPARATE SITES ALONG THE SHORELINE OF LAKE TRIJESDALE. 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 OF SLOPES ASSOCIATED WITH CHANNEL EXCAVATION.
- 3) STABILIZATION AND RESTORATION OF SEVERELY ERODED WATERCOURSES.
- 4) MAINTENANCE OF TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES DURING CONSTRUCTION.

PROJECT PHASING

EXCEPT AS NOTED BELOW IN RELATION TO SITE #4, THE PROJECT IS NOT LARGE ENOUGH TO REQUIRE A FORMAL PHASING PLAN. SITES MAY BE COMPLETED SIMULTANEOUSLY OR SEQUENTIALLY. ONCE LAND DISTURBANCE BEGINS AT A SITE, WORK ON THAT SITE IS TO PROCEED CONTINUOUSLY TO COMPLETION.

MAINTENANCE OF EBS 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.
- 3) SILT FENCE WILL BE INSTALLED ALONG THE TOE OF ALL CUT AND FILL SLOPES, SOIL STOCKPILE AREAS, AND IN THOSE AREAS SHOWN ON THE PLAN.
- 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 300 FEET OF SILT FENCE SHALL BE STORED AT EACH SITE WHERE WORK IS ACTIVE FOR EMERGENCY USE.
- 9) THE CONTRACTOR SHALL INSPECT ALL EROSION AND SEDIMENT CONTROLS WEEKLY, BEFORE AN ANTICIPATED STORM GREATER THAN 0.5 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 DISPOSED 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 OR CALCIUM CHLORIDE 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 ON-SITE.
- 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 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, PREUDENT CONSTRUCTION PRACTICES AND THE NEW YORK GUIDELINES FOR URBAN EROSION AND SEDIMENT CONTROL.
- 18) THE OWNER 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 AND FOR NOTIFYING THE TOWN OF SOUTH SALEM OF ANY TRANSFER OF THIS RESPONSIBILITY.

CONSTRUCTION SEQUENCING

SITES ARE NOT DEPENDENT UPON ONE ANOTHER AND MAY, THEREFORE, BE COMPLETED ONE-AT-A-TIME OR ALL-AT-ONCE, IN ANY ORDER, IN GENERAL THE PROCEDURES FOR COMPLETING INDIVIDUAL SITES FOLLOW:

SITE #1

1. INSTALL SILT FENCE AND SILT CURTAIN.
2. REMOVE ACCUMULATED SEDIMENT BETWEEN END OF PIPE AND SHORELINE.
3. CONSTRUCT BOULDER WALL.
4. CONSTRUCT STONE-LINED CHANNEL.
5. INSTALL CATCH BASIN.
6. COMPLETE PLANTING PLAN.
7. CONSTRUCT ROAD PAVEMENT AND CURB.
8. SEED AND MULCH ALL AREAS DISTURBED BY CONSTRUCTION.

SITE #2

1. INSTALL SILT FENCE.
2. REMOVE EXISTING 12" CPP AND CONSTRUCT PIPE OUTLET LINED WITH STONE.
3. REMOVE ROAD PAVEMENT AND PAVED LEAKOFF.
4. INSTALL PIPES, MANHOLES, HYDRODYNAMIC SEPARATOR, CATCH BASIN.
5. REPAIR PAVEMENT AND INSTALL CURB.
6. COMPLETE PLANTING PLAN.
7. SEED AND MULCH ALL AREAS DISTURBED BY CONSTRUCTION.

SITE #3

1. INSTALL CONSTRUCTION ENTRANCE, SILT CURTAINS AND SILT FENCES.
2. REMOVE ACCUMULATED SEDIMENT BETWEEN END OF SOUTH PIPE AND SHORELINE.
3. CONSTRUCT BOULDER WALL (SOUTHWEST CORNER).
4. INSTALL PIPES, MANHOLES, HYDRODYNAMIC SEPARATOR, CATCH BASIN (SOUTH).
5. CONSTRUCT VEGETATED CHANNEL, STONE-LINED CHANNEL AND NEW PIPE (NORTH).
6. RESTORE CHANNEL AND CHECK DAMS EAST OF ROAD.
7. INSTALL PIPES AND CATCH BASINS ON EAST SIDE OF ROAD.
8. COMPLETE PLANTING PLAN.
9. SEED AND MULCH ALL AREAS DISTURBED BY CONSTRUCTION.

SITE #4

1. INSTALL TWO ROWS OF SILT CURTAIN.
2. CLEAR TEMPORARY ACCESS ON NORTH SIDE OF POND.
3. INSTALL TEMPORARY COFFERDAM TO ISOLATE NORTH PORTION OF EXCAVATION AREA. ALLOW FLOW TO BYPASS SOUTH OF EXCAVATION AREA. CONTRACTOR TO OBTAIN APPROVAL FOR COFFERDAM MATERIALS AND INSTALLATION.
4. DEWATER EXCAVATION AREA. CONTRACTOR TO FILTER PUMPED WATER USING "DIRTBAO" OR EQUIVALENT AND IS TO DISCHARGE WATER UPSTREAM FROM SILT CURTAINS.
5. EXCAVATE SEDIMENT AND CONSTRUCT PORTION OF BOULDER WALL WITHIN COFFERDAM AREA.
6. CLEAR TEMPORARY ACCESS ON SOUTH SIDE OF POND.
7. RELOCATE TEMPORARY COFFERDAM TO ISOLATE SOUTH PORTION OF EXCAVATION AREA. ALLOW FLOW TO BYPASS NORTH OF EXCAVATION AREA. DEWATER EXCAVATION AREA.
8. EXCAVATE SEDIMENT AND CONSTRUCT REMAINDER OF BOULDER WALL OF POND EXCAVATION PHASES.
10. INSTALL PERMANENT RAMP ON NORTH SIDE OF POND.
11. COMPLETE PLANTING PLAN.
12. REMOVE TEMPORARY ACCESS. SEED AND MULCH ALL AREAS DISTURBED BY CONSTRUCTION.

SITE #5

1. INSTALL SILT CURTAIN.
2. REMOVE ACCUMULATED SEDIMENT NEAR SHORELINE.
3. CONSTRUCT BOULDER WALL.
4. CONSTRUCT VEGETATED CHANNEL.
5. COMPLETE PLANTING PLAN.
6. SEED AND MULCH ALL AREAS DISTURBED BY CONSTRUCTION.

SITE #6

1. INSTALL SILT CURTAIN AND SILT FENCES.
2. CONSTRUCT STONE-LINED CHANNEL (NORTH).
3. REMOVE ACCUMULATED SEDIMENT BETWEEN END OF SOUTH PIPE AND SHORELINE.
4. CONSTRUCT BOULDER WALL (SOUTHEAST).
5. CONSTRUCT STONE-LINED CHANNEL.
6. CONSTRUCT VEGETATED CHANNEL, STONE-LINED CHANNEL, NEW PIPE, HYDRODYNAMIC SEPARATOR AND CATCH BASIN.
7. COMPLETE PLANTING PLAN.

## 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® 18-4-12 FERTILIZER OR EQUIVALENT AT A RATE OF 300 LBS PER ACRE. LIGHTLY ROLL THE SEEDED SURFACE TO ENSURE GOOD CONTACT WITH SEGMENTS. 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.

### RECOMMENDED SEED MIXTURES

### APPLICATION RATE

NEW ENGLAND EROSION CONTROL/RESTORATION MIX 1 LB/1250 SQ. FT.  
NEW ENGLAND CONSERVATION/WILDLIFE MIX 1 LB/1750 SQ. FT.  
ABOVE SEED MIXES AVAILABLE FROM NEW ENGLAND WETLAND PLANTS, INC. (413) 256-1752

### VEGETATED CHANNEL SEED MIX

CREeping RED FESCUE 0.45 LB/1000 SQ. FT.  
REDTOP 0.05 LB/1000 SQ. FT.  
TALL FESCUE 0.45 LB/1000 SQ. FT.

## 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 SUSTAINING 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 DISCLOSING 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 #1

Quantity	Common Name	Botanical Name	Water Depth
6	Sweet Flag	<i>Acorus calamus</i>	0-6"
6	Blue Flag	<i>Iris versicolor</i>	0-6"
6	Burreed	<i>Sparganium americanum</i>	6-18"
6	Soft Rush	<i>Juncus effusus</i>	6-18"
6	Soft stem bulrush	<i>Scirpus validus</i>	6-24"
6	Pickersweed	<i>Pontederia cordata</i>	6-24"

### Emergent Wetland Planting Area – Site #3

Quantity	Common Name	Botanical Name	Water Depth
9	Sweet Flag	<i>Acorus calamus</i>	0-6"
9	Blue Flag	<i>Iris versicolor</i>	0-6"
9	Burreed	<i>Sparganium americanum</i>	6-18"
9	Soft Rush	<i>Juncus effusus</i>	6-18"
9	Soft stem bulrush	<i>Scirpus validus</i>	6-24"
9	Pickersweed	<i>Pontederia cordata</i>	6-24"

### Shrub Planting Area – Site #3

Quantity	Common Name	Botanical Name	SIZE	ROOT
2	Black Chokeberry	<i>Aronia arbutifolia</i>	2-3"	B&B/CONT
2	Inkberry	<i>Ilex glabra</i>	2-3"	B&B/CONT
2	Nannyberry	<i>Viburnum lentago</i>	2-3"	B&B/CONT

### Emergent Wetland Planting Area – Site #6

Quantity	Common Name	Botanical Name	Water Depth
9	Sweet Flag	<i>Acorus calamus</i>	0-6"
9	Blue Flag	<i>Iris versicolor</i>	0-6"
9	Wetgrass	<i>Scirpus cyperinus</i>	0-6"
9	Burreed	<i>Sparganium americanum</i>	6-18"
9	Soft Rush	<i>Juncus effusus</i>	6-18"
9	Northern Arrowweed	<i>Sagittaria latifolia</i>	6-24"
9	Soft stem bulrush	<i>Scirpus validus</i>	6-24"
9	Pickersweed	<i>Pontederia cordata</i>	6-24"

REVISED 10/20/05

# LEGEND

	PROPERTY LINE
	EXISTING CONTOUR
	EXISTING SPOT ELEVATION
	EDGE OF LAKE
	FLAGGED WETLAND LIMIT
	EXISTING ERODED DITCH
	EXISTING STORM DRAIN
	PROPOSED CONTOUR
	GEOTEXTILE SILT FENCE (GSF)
	PROPOSED STORM DRAIN
	PROPOSED MANHOLE (MH-1)
	PROPOSED CATCH BASIN (CB-1)