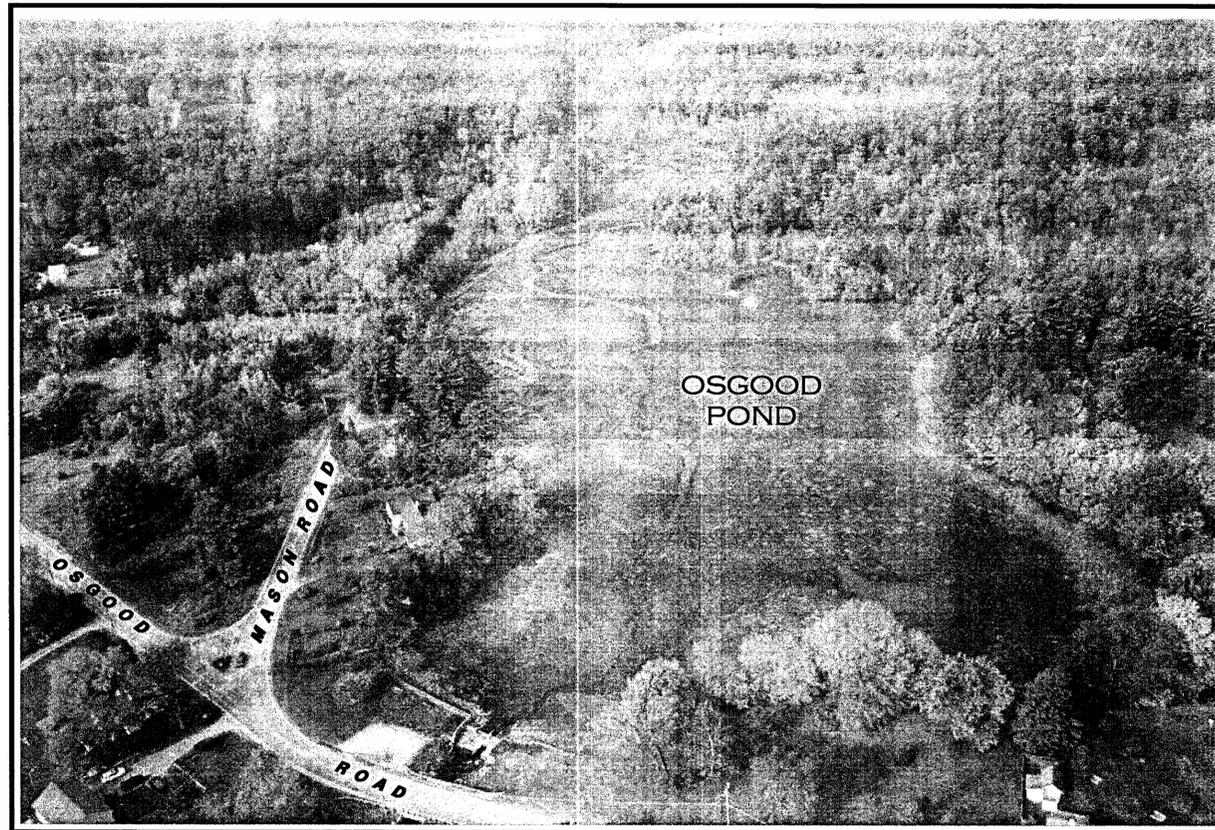
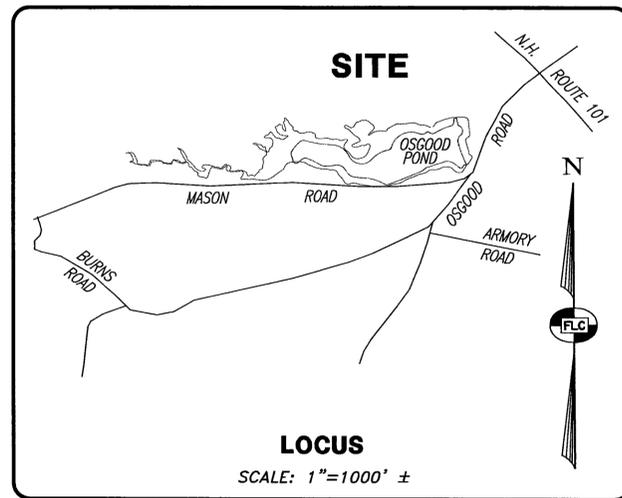


SITE DESIGN PACKAGE

OSGOOD POND RESTORATION PROJECT

- MASON ROAD AND OSGOOD ROAD -
MILFORD, NEW HAMPSHIRE

NOVEMBER 5, 2013



NOT TO SCALE

SHEET INDEX		
PAGE	SHEET	TITLE
1	C-1	COVER SHEET
2	SP-1	OVERALL IMPROVEMENTS PLAN
3	PH-1	PHASE I - DREDGING PLAN
4	PH-2	PHASE II - DREDGING PLAN
5	PH-3	PHASE III - DREDGING PLAN
6	PH-4	PHASE IV - DREDGING PLAN
7	DT-1	CONSTRUCTION DETAILS

PREPARED FOR:
TOWN OF MILFORD
1 UNION SQUARE
MILFORD, N.H. 03055



Surveying ♦ Engineering ♦ Land Planning ♦ Permitting ♦ Septic Designs

FIELDSTONE
LAND CONSULTANTS, PLLC

778 Elm Street Suite C, Milford, NH 03055
Phone: (603)-672-5456 Fax: (603)-413-5456
www.FieldstoneLandConsultants.com



CONTACT DIG SAFE
72 HOURS PRIOR
TO CONSTRUCTION
DIGSAFE.COM
1-888-DIG SAFE
1-888-344-7233

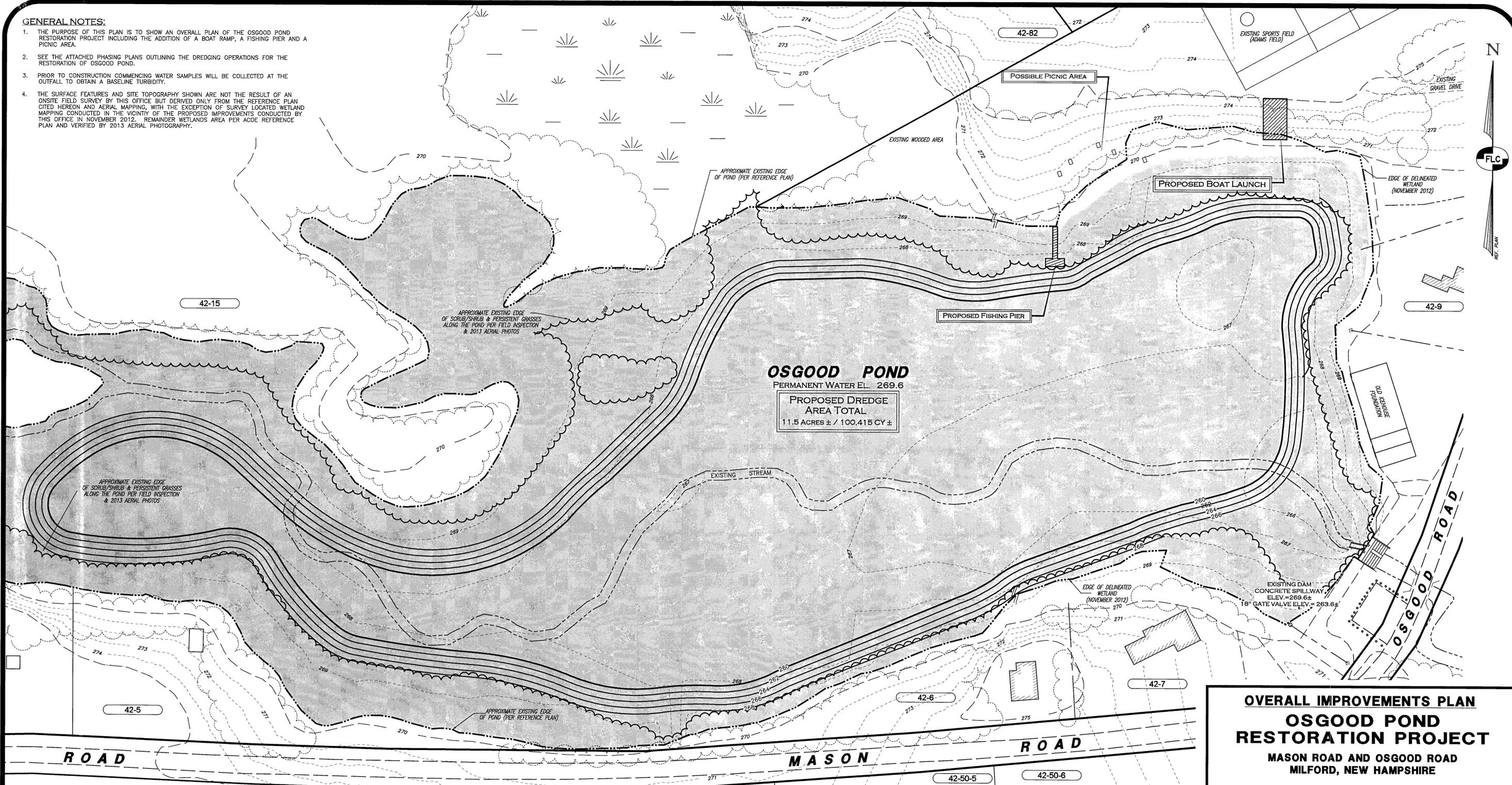
1. THE LOCATION OF THE UTILITIES SHOWN ARE APPROXIMATE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE AND PRESERVE ALL UTILITY SERVICES.
2. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING AND COORDINATING WITH ALL UTILITY COMPANIES AND JURISDICTIONAL AGENCIES PRIOR TO AND DURING CONSTRUCTION.
3. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND PROPOSED WORK PRIOR TO CONSTRUCTION.

REV.	DATE	DESCRIPTION	C/O	DR	CK

FILE: 478CV00.dwg PROJ. NO. 478.00 SHEET: C-1 PAGE: 1 OF 7

GENERAL NOTES:

1. THE PURPOSE OF THIS PLAN IS TO SHOW AN OVERALL PLAN OF THE OSGOOD POND RESTORATION PROJECT INCLUDING THE ADDITION OF A BOAT RAMP, A FISHING PIER AND A PICNIC AREA.
2. SEE THE ATTACHED PHASING PLANS OUTLINING THE DREDGING OPERATIONS FOR THE RESTORATION OF OSGOOD POND.
3. PRIOR TO CONSTRUCTION COMMENCING WATER SAMPLES WILL BE COLLECTED AT THE OUTFALL TO OBTAIN A BASELINE TURBIDITY.
4. THE SURFACE FEATURES AND SITE TOPOGRAPHY SHOWN ARE NOT THE RESULT OF AN ONSITE FIELD SURVEY BY THIS OFFICE BUT DERIVED ONLY FROM THE REFERENCE PLAN CITED HEREON AND AERIAL MAPPING, WITH THE EXCEPTION OF SURVEY LOCATED WETLAND MAPPING CONDUCTED IN THE VICINITY OF THE PROPOSED IMPROVEMENTS CONDUCTED BY THIS OFFICE IN NOVEMBER 2012. REMAINDER WETLANDS AREA PER ACCE. REFERENCE PLAN AND VERIFIED BY 2013 AERIAL PHOTOGRAPHY.

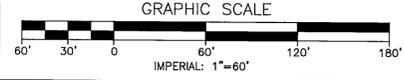


REFERENCE PLAN:
 1. *OSGOOD POND AQUATIC ECOSYSTEM - RESTORATION PROJECT - MILFORD, NEW HAMPSHIRE OR PLAN OPTION NO. 1", SCALE: 1"=100', DATED: NOT SPECIFIED, SHEET C-1, BY US ARMY CORPS OF ENGINEERS NEW ENGLAND DISTRICT.

CERTIFICATION:
 THE PORTION OF DELINEATED WETLANDS SHOWN WERE MAPPED IN ACCORDANCE WITH THE US ARMY CORPS OF ENGINEERS 1987 WETLAND DELINEATION MANUAL Y-87-1 AND REGIONAL SUPPLEMENT FOR NORTHEAST AND NORTHCENTRAL REGION AND FIELD INDICATORS FOR HYDRIC SOILS IN NEW ENGLAND BY CHRISTOPHER A. GUIDA, C.W.S. IN NOVEMBER 2012



SEE SHEET PH-1 FOR LEGEND



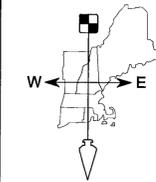
REV.	DATE	DESCRIPTION	C/O	DR	CK

**OVERALL IMPROVEMENTS PLAN
 OSGOOD POND
 RESTORATION PROJECT
 MASON ROAD AND OSGOOD ROAD
 MILFORD, NEW HAMPSHIRE**

PREPARED FOR:
TOWN OF MILFORD
 1 UNION SQUARE, MILFORD NH 03055

SCALE: 1" = 60' NOVEMBER 5, 2013

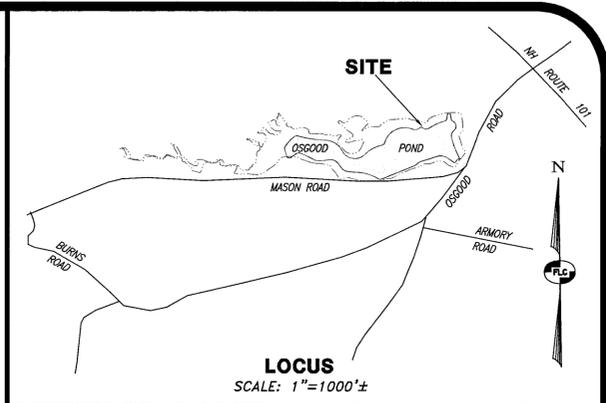
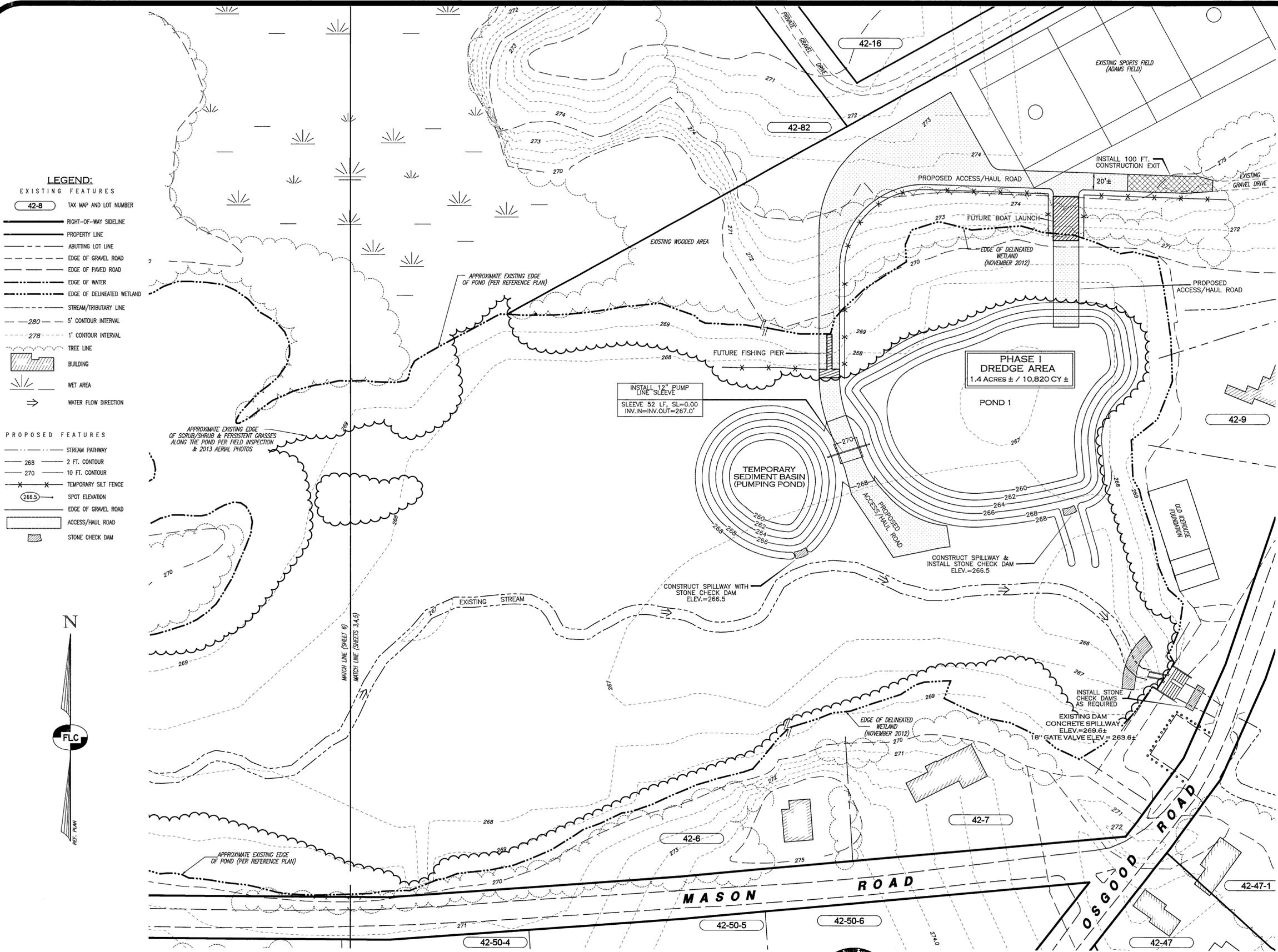
Surveying ♦ Engineering ♦ Land Planning ♦ Permitting ♦ Septic Designs



**FIELDSTONE
 LAND CONSULTANTS, PLLC**

778 Elm Street Suite C, Milford, NH 03055
 Phone: (603) 672-5456 Fax: (603) 413-5456
 www.FieldstoneLandConsultants.com

DATE: 11/5/12



- LEGEND:**
- EXISTING FEATURES**
- 42-8 TAX MAP AND LOT NUMBER
 - RIGHT-OF-WAY SIDELINE
 - PROPERTY LINE
 - ABUTTING LOT LINE
 - EDGE OF GRAVEL ROAD
 - EDGE OF PAVED ROAD
 - EDGE OF WATER
 - EDGE OF DELINEATED WETLAND
 - STREAM/TRIBUTARY LINE
 - 280 5' CONTOUR INTERVAL
 - 278 1' CONTOUR INTERVAL
 - TREE LINE
 - BUILDING
 - WET AREA
 - WATER FLOW DIRECTION
- PROPOSED FEATURES**
- STREAM PATHWAY
 - 268 2 FT. CONTOUR
 - 270 10 FT. CONTOUR
 - TEMPORARY SILT FENCE
 - SPOT ELEVATION (268.5)
 - EDGE OF GRAVEL ROAD
 - ACCESS/HAUL ROAD
 - STONE CHECK DAM

- GENERAL NOTES:**
- THE PURPOSE OF THIS PLAN IS TO SHOW A PROPOSED DREDGE AREA FOR THE RESTORATION AND PROPOSED IMPROVEMENTS AROUND A PORTION OF OSGOOD POND.
 - THE SURFACE FEATURES AND SITE TOPOGRAPHY SHOWN ARE NOT THE RESULT OF AN ONSITE FIELD SURVEY BY THIS OFFICE BUT DERIVED ONLY FROM THE REFERENCE PLAN CITED HEREON AND AERIAL MAPPING, WITH THE EXCEPTION OF SURVEY LOCATED WETLAND MAPPING CONDUCTED IN THE VICINITY OF THE PROPOSED IMPROVEMENTS CONDUCTED BY THIS OFFICE IN NOVEMBER 2012. REMAINDER WETLANDS AREA PER ACCE REFERENCE PLAN AND VERIFIED BY 2013 AERIAL PHOTOGRAPHY.
 - ALL EQUIPMENT SHALL BE INSPECTED DAILY FOR LEAKS AND REPAIRED AS NEEDED. REPAIRS WHEN POSSIBLE SHOULD BE DONE OFF SITE BUT SHALL IN NO CASE BE PERFORMED WITHIN JURISDICTIONAL AREAS. FAULTY EQUIPMENT SHALL NOT BE UTILIZED.
 - A HAZARDOUS MATERIALS RESPONSE KIT AND RELATED EQUIPMENT WILL BE MAINTAINED ON-SITE AT ALL TIMES. THE KIT SHALL INCLUDE, BUT NOT BE LIMITED TO, A SITE HEALTH AND SAFETY PLAN, PERSONAL PROTECTIVE EQUIPMENT, FIRST AID KIT, FIRE EXTINGUISHER, OIL ABSORBENT PADS AND CONTAINMENT BOOM OR SIMILAR.

- PHASE 1 NOTES:**
- INSTALL EROSION AND SEDIMENTATION CONTROL IN LOCATIONS SHOWN ON THE PLANS. THESE DEVICES SHALL BE INSTALLED BEFORE ANY AREAS BEING DISTURBED.
 - INSPECT AND MAINTAIN EROSION AND SEDIMENTATION CONTROL MEASURES ON A DAILY BASIS AND AFTER ANY STORMS.
 - CLEAR, GRUB AND CONSTRUCT ACCESS/HAUL ROADS AS SHOWN. THE ROADS HAVE BEEN POSITIONED WHERE THE FUTURE BOAT LAUNCH AND FISHING PIER WILL BE CONSTRUCTED TO MINIMIZE IMPACTS TO SHORELINE AND ASSOCIATED WETLAND AREAS.
 - CONSTRUCT THE TEMPORARY SEDIMENT BASIN AND SPILLWAY AS SHOWN. INSTALL STONE CHECK DAMS AT THE OUTLET.
 - INSTALL A 12-INCH PUMP LINE SLEEVE UNDER THE ACCESS/HAUL ROAD AS SHOWN.
 - DREDGE POND 1 AND CONSTRUCT SPILLWAY AS SHOWN.
 - DEWATERING OPERATIONS DURING THE DREDGING SHALL CONSIST OF INSTALLING A PUMP IN POND 1 AND PUMPING THROUGH THE 12-INCH SLEEVE TO THE SEDIMENT BASIN.
 - THE SEDIMENT BASIN SHALL BE MONITORED ALONG WITH ALL STONE CHECK DAMS TO MAINTAIN WATER QUALITY. PUMPING OPERATIONS SHALL STOP WHEN TURBIDITY LEVELS EXCEED THE BASELINE OR WHEN MAINTENANCE IS REQUIRED (SEDIMENT BASIN, STONE CHECK DAM, ETC.).
 - MATERIAL FROM THIS PROJECT WILL BE TRANSPORTED TO TOWN OWNED PROPERTY WHERE IT WILL BE STORED IN NON-JURISDICTIONAL AREAS (UPLAND AREAS).
 - DAILY, OR AS REQUIRED, CONSTRUCT TEMPORARY BERMS, CULVERTS, DITCHES, SILTATION FENCES, SEDIMENT TRAPS, ETC. TO MAINTAIN THE WATER QUALITY LEAVING THE POND THROUGHOUT THE PROJECT. IN NO WAY ARE THE MEASURES INDICATED ON THE PLANS OR IN THESE NOTES TO BE CONSIDERED ALL INCLUSIVE. THE CONTRACTOR SHALL USE JUDGEMENT TO INSTALL ADDITIONAL MEASURES AS SITE CONDITIONS, WEATHER OR CONSTRUCTION METHODS WARRANT.

REV.	DATE	DESCRIPTION	C/O	DR	CK

PHASE I - DREDGING PLAN

OSGOOD POND RESTORATION PROJECT

MASON ROAD AND OSGOOD ROAD MILFORD, NEW HAMPSHIRE

PREPARED FOR:
TOWN OF MILFORD
1 UNION SQUARE, MILFORD NH 03055

SCALE: 1" = 60' NOVEMBER 5, 2013

Surveying ♦ Engineering ♦ Land Planning ♦ Permitting ♦ Septic Designs

FIELDSTONE LAND CONSULTANTS, PLLC

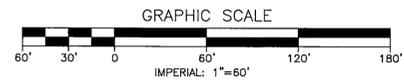
778 Elm Street Suite C, Milford, NH 03055
Phone: (603) 672-5456 Fax: (603) 413-5456
www.FieldstoneLandConsultants.com

REFERENCE PLAN:

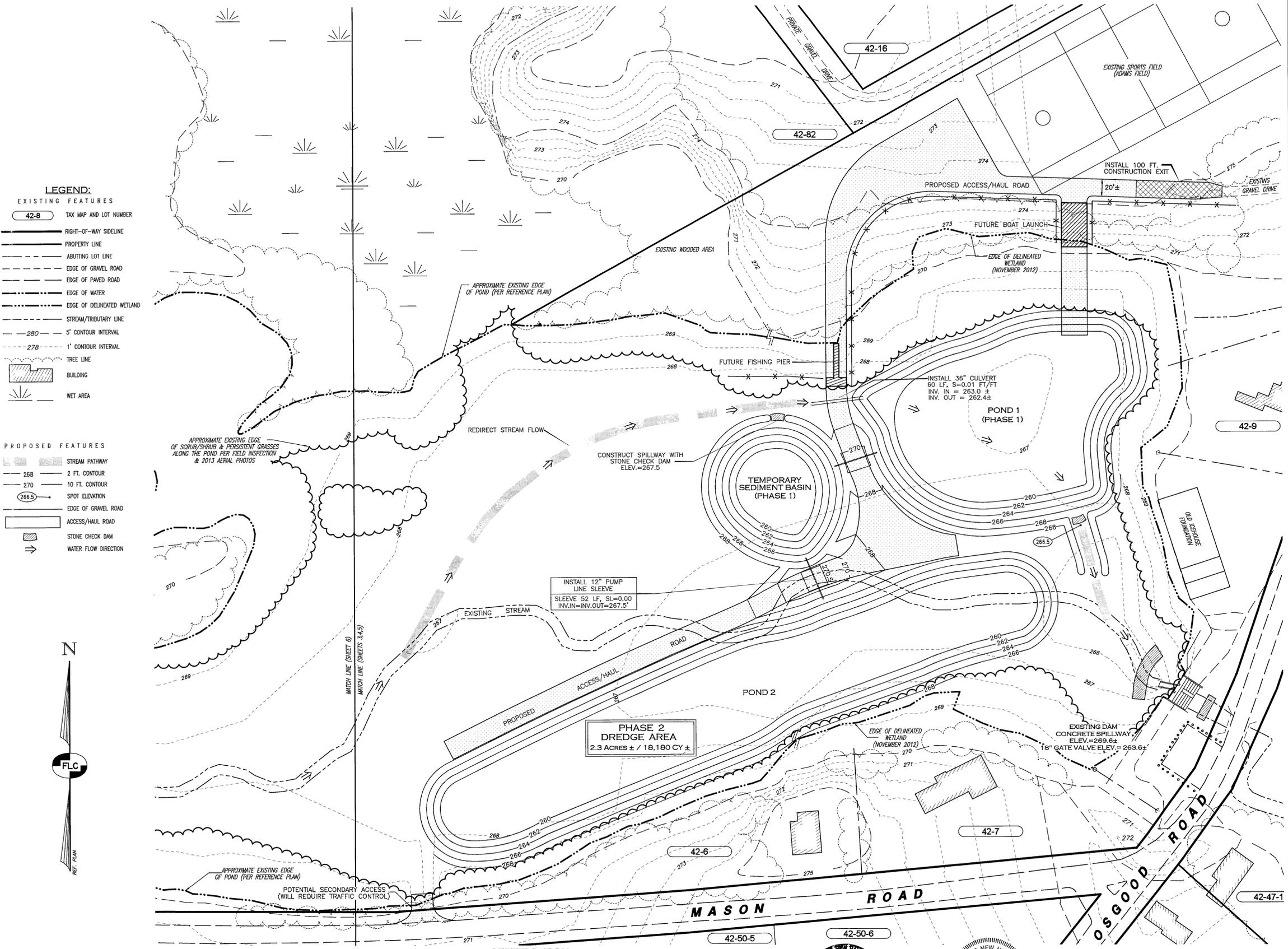
- "OSGOOD POND AQUATIC ECOSYSTEM - RESTORATION PROJECT - MILFORD, NEW HAMPSHIRE OR PLAN OPTION NO. 1", SCALE: 1"=100', DATED: NOT SPECIFIED, SHEET C-1, BY US ARMY CORPS OF ENGINEERS NEW ENGLAND DISTRICT.

CERTIFICATION:

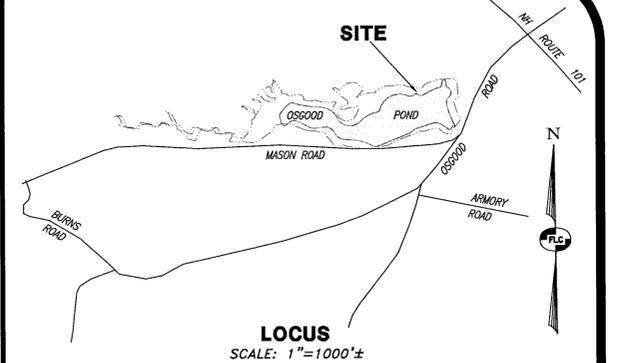
THE PORTION OF DELINEATED WETLANDS SHOWN WERE MAPPED IN ACCORDANCE WITH THE US ARMY CORPS OF ENGINEERS 1987 WETLAND DELINEATION MANUAL Y-87-1 AND REGIONAL SUPPLEMENT FOR NORTHEAST AND NORTHCENTRAL REGION AND FIELD INDICATORS FOR HYDRIC SOILS IN NEW ENGLAND BY CHRISTOPHER A. GUIDA, C.W.S. IN NOVEMBER 2012



DATE: 11/5/13



- LEGEND:**
- EXISTING FEATURES**
- 42-8 TAX MAP AND LOT NUMBER
 - RIGHT-OF-WAY SIDELINE
 - PROPERTY LINE
 - ABUTTING LOT LINE
 - EDGE OF GRAVEL ROAD
 - EDGE OF PAVED ROAD
 - EDGE OF WATER
 - EDGE OF DELINEATED WETLAND
 - STREAM/TRIBUTARY LINE
 - 280 5' CONTOUR INTERVAL
 - 278 1' CONTOUR INTERVAL
 - TREE LINE
 - BUILDING
 - WET AREA
- PROPOSED FEATURES**
- STREAM PATHWAY
 - 268 2 FT. CONTOUR
 - 270 10 FT. CONTOUR
 - 266.5 SPOT ELEVATION
 - EDGE OF GRAVEL ROAD
 - ACCESS/HAUL ROAD
 - STONE CHECK DAM
 - WATER FLOW DIRECTION



- GENERAL NOTES:**
- THE PURPOSE OF THIS PLAN IS TO SHOW A PROPOSED DREDGE AREA FOR THE RESTORATION AND PROPOSED IMPROVEMENTS AROUND A PORTION OF OSGOOD POND.
 - THE SURFACE FEATURES AND SITE TOPOGRAPHY SHOWN ARE NOT THE RESULT OF AN ON-SITE FIELD SURVEY BY THIS OFFICE BUT DERIVED ONLY FROM THE REFERENCE PLAN CITED HEREON AND AERIAL MAPPING, WITH THE EXCEPTION OF SURVEY LOCATED WETLAND MAPPING CONDUCTED IN THE VICINITY OF THE PROPOSED IMPROVEMENTS CONDUCTED BY THIS OFFICE IN NOVEMBER 2012. REMAINDER WETLANDS AREA PER ACOE REFERENCE PLAN AND VERIFIED BY 2013 AERIAL PHOTOGRAPHY.
 - ALL EQUIPMENT SHALL BE INSPECTED DAILY FOR LEAKS AND REPAIRED AS NEEDED. REPAIRS WHEN POSSIBLE SHOULD BE DONE OFF SITE BUT SHALL IN NO CASE BE PERFORMED WITHIN JURISDICTIONAL AREAS. FAULTY EQUIPMENT SHALL NOT BE UTILIZED.
 - A HAZARDOUS MATERIALS RESPONSE KIT AND RELATED EQUIPMENT WILL BE MAINTAINED ON-SITE AT ALL TIMES. THE KIT SHALL INCLUDE, BUT NOT BE LIMITED TO, A SITE HEALTH AND SAFETY PLAN, PERSONAL PROTECTIVE EQUIPMENT, FIRST AID KIT, FIRE EXTINGUISHER, OIL ABSORBENT PADS AND CONTAINMENT BOOM OR SIMILAR.

- PHASE 2 NOTES:**
- INSTALL EROSION AND SEDIMENTATION CONTROL IN LOCATIONS SHOWN ON THE PLANS. THESE DEVICES SHALL BE INSTALLED BEFORE ANY AREAS BEING DISTURBED.
 - INSPECT AND MAINTAIN EROSION AND SEDIMENTATION CONTROL MEASURES ON A DAILY BASIS AND AFTER ANY STORMS.
 - CLEAR, GRUB AND CONSTRUCT ACCESS/HAUL ROADS AS SHOWN. CULVERTS AND SLEEVES SHALL BE INSTALLED.
 - EXCAVATE TRENCH TO REDIRECT THE STREAM CHANNEL. INSTALL CULVERTS AND SLEEVES UNDER THE ACCESS/HAUL ROADS AS SHOWN. THE STREAM CAN ONLY BE REDIRECTED AFTER THE INSTALLATION OF THE CROSS CULVERT AND CHANNEL.
 - THE SEDIMENT BASIN SHALL BE MODIFIED BY CONSTRUCTING THE SPILLWAY AS SHOWN. INSTALL STONE CHECK DAMS AT THE OUTLET.
 - DREDGE POND 2 AS SHOWN.
 - DEWATERING OPERATIONS DURING THE DREDGING SHALL CONSIST OF INSTALLING A PUMP IN POND 2 AND PUMPING THROUGH THE 12-INCH SLEEVE TO THE SEDIMENT BASIN.
 - THE SEDIMENT BASIN SHALL BE MONITORED ALONG WITH ALL STONE CHECK DAMS TO MAINTAIN WATER QUALITY. PUMPING OPERATIONS SHALL STOP WHEN TURBIDITY LEVELS EXCEED THE BASELINE OR WHEN MAINTENANCE IS REQUIRED (SEDIMENT BASIN, STONE CHECK DAM, ETC.).
 - MATERIAL FROM THIS PROJECT WILL BE TRANSPORTED TO TOWN OWNED PROPERTY WHERE IT WILL BE STORED IN NON-JURISDICTIONAL AREAS (UPLAND AREAS).
 - DAILY, OR AS REQUIRED, CONSTRUCT TEMPORARY BERMS, CULVERTS, DITCHES, SILTATION FENCES, SEDIMENT TRAPS, ETC. TO MAINTAIN THE WATER QUALITY LEAVING THE POND THROUGHOUT THE PROJECT. IN NO WAY ARE THE MEASURES INDICATED ON THE PLANS OR IN THESE NOTES TO BE CONSIDERED ALL INCLUSIVE. THE CONTRACTOR SHALL USE JUDGEMENT TO INSTALL ADDITIONAL MEASURES AS SITE CONDITIONS, WEATHER OR CONSTRUCTION METHODS WARRANT.

REV.	DATE	DESCRIPTION	C/O	DR	CK

PHASE II - DREDGING PLAN

OSGOOD POND RESTORATION PROJECT

MASON ROAD AND OSGOOD ROAD MILFORD, NEW HAMPSHIRE

PREPARED FOR:
TOWN OF MILFORD
1 UNION SQUARE, MILFORD NH 03055

SCALE: 1" = 60' NOVEMBER 5, 2013

Surveying ♦ Engineering ♦ Land Planning ♦ Permitting ♦ Septic Designs

FIELDSTONE LAND CONSULTANTS, PLLC

778 Elm Street Suite C, Milford, NH 03055
Phone: (603) 672-5456 Fax: (603) 413-5456
www.FieldstoneLandConsultants.com

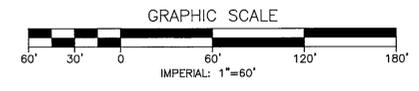
REFERENCE PLAN:

- "OSGOOD POND AQUATIC ECOSYSTEM - RESTORATION PROJECT - MILFORD, NEW HAMPSHIRE OR PLAN OPTION NO. 1", SCALE: 1"=100', DATED: NOT SPECIFIED, SHEET C-1, BY US ARMY CORPS OF ENGINEERS NEW ENGLAND DISTRICT.

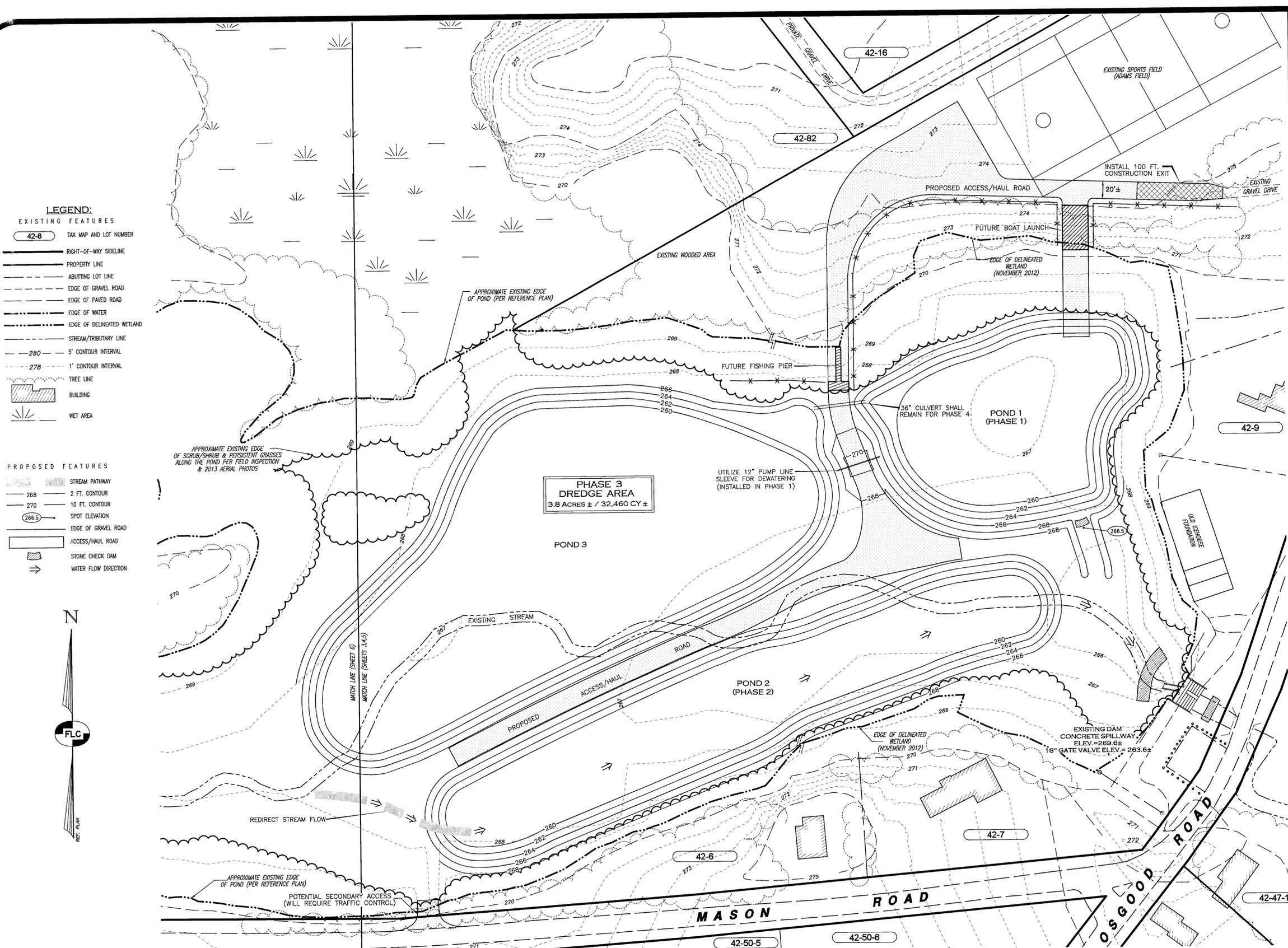
CERTIFICATION:

THE PORTION OF DELINEATED WETLANDS SHOWN WERE MAPPED IN ACCORDANCE WITH THE US ARMY CORPS OF ENGINEERS 1987 WETLAND DELINEATION MANUAL Y-87-1 AND REGIONAL SUPPLEMENT FOR NORTHEAST AND NORTHCENTRAL REGION AND FIELD INDICATORS FOR HYDRIC SOILS IN NEW ENGLAND BY CHRISTOPHER A. GUIDA, C.W.S. IN NOVEMBER 2012.

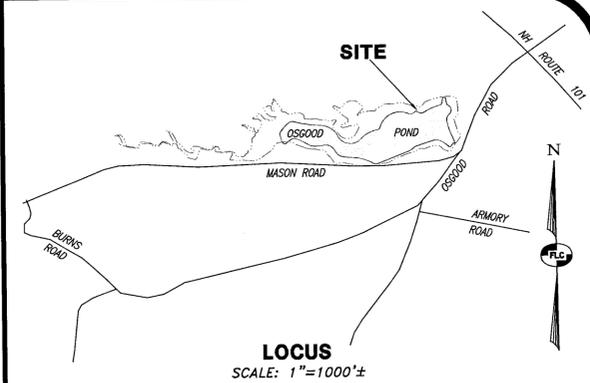
CHRISTOPHER A. GUIDA
No. 053
CHAD E. BRANON
12191
No. 053



DATE: 11/5/13



- LEGEND:**
- EXISTING FEATURES**
- 42-8 TAX MAP AND LOT NUMBER
 - RIGHT-OF-WAY SIDELINE
 - PROPERTY LINE
 - ABUTTING LOT LINE
 - EDGE OF GRAVEL ROAD
 - EDGE OF PAVED ROAD
 - EDGE OF WATER
 - EDGE OF DELINEATED WETLAND
 - STREAM/TRIBUTARY LINE
 - 260 5' CONTOUR INTERVAL
 - 278 1' CONTOUR INTERVAL
 - TREE LINE
 - BUILDING
 - WET AREA
- PROPOSED FEATURES**
- STREAM PATHWAY
 - 268 2 FT. CONTOUR
 - 270 10 FT. CONTOUR
 - 266.5 SPOT ELEVATION
 - EDGE OF GRAVEL ROAD
 - ACCESS/HAUL ROAD
 - STONE CHECK DAM
 - WATER FLOW DIRECTION



- GENERAL NOTES:**
- THE PURPOSE OF THIS PLAN IS TO SHOW A PROPOSED DREDGE AREA FOR THE RESTORATION AND PROPOSED IMPROVEMENTS AROUND A PORTION OF OSGOOD POND.
 - THE SURFACE FEATURES AND SITE TOPOGRAPHY SHOWN ARE NOT THE RESULT OF AN ONSITE FIELD SURVEY BY THIS OFFICE BUT DERIVED ONLY FROM THE REFERENCE PLAN CITED HEREON AND AERIAL MAPPING, WITH THE EXCEPTION OF SURVEY LOCATED WETLAND MAPPING CONDUCTED IN THE VICINITY OF THE PROPOSED IMPROVEMENTS CONDUCTED BY THIS OFFICE IN NOVEMBER 2012. REMAINDER WETLANDS AREA PER ACCE REFERENCE PLAN AND VERIFIED BY 2013 AERIAL PHOTOGRAPHY.
 - ALL EQUIPMENT SHALL BE INSPECTED DAILY FOR LEAKS AND REPAIRED AS NEEDED. REPAIRS WHEN POSSIBLE SHOULD BE DONE OFF SITE BUT SHALL IN NO CASE BE PERFORMED WITHIN JURISDICTIONAL AREAS. FAULTY EQUIPMENT SHALL NOT BE UTILIZED.
 - A HAZARDOUS MATERIALS RESPONSE KIT AND RELATED EQUIPMENT WILL BE MAINTAINED ON-SITE AT ALL TIMES. THE KIT SHALL INCLUDE, BUT NOT BE LIMITED TO, A SITE HEALTH AND SAFETY PLAN, PERSONAL PROTECTIVE EQUIPMENT, FIRST AID KIT, FIRE EXTINGUISHER, OIL ABSORBENT PADS AND CONTAINMENT BOOM OR SIMILAR.

- PHASE 3 NOTES:**
- INSTALL EROSION AND SEDIMENTATION CONTROL IN LOCATIONS SHOWN ON THE PLANS. THESE DEVICES SHALL BE INSTALLED BEFORE ANY AREAS BEING DISTURBED.
 - INSPECT AND MAINTAIN EROSION AND SEDIMENTATION CONTROL MEASURES ON A DAILY BASIS AND AFTER ANY STORMS.
 - CLEAR, GRUB AND CONSTRUCT ACCESS/HAUL ROADS AS SHOWN.
 - EXCAVATE TRENCH TO REDIRECT THE STREAM CHANNEL TO POND 2 AS SHOWN.
 - DREDGE POND 3 AS SHOWN.
 - DEWATERING OPERATIONS DURING THE DREDGING SHALL CONSIST OF INSTALLING A PUMP IN POND 3 AND PUMPING THROUGH THE 12-INCH SLEEVE TO POND 1 WHICH WILL ACT AS THE SEDIMENT BASIN FOR THIS PHASE. STONE CHECK DAMS SHALL BE INSTALLED AT THE OUTFALL OF POND 1.
 - POND 1 SHALL BE MONITORED ALONG WITH ALL STONE CHECK DAMS TO MAINTAIN WATER QUALITY. PUMPING OPERATIONS SHALL STOP WHEN TURBIDITY LEVELS EXCEED THE BASELINE OR WHEN MAINTENANCE IS REQUIRED (SEDIMENT BASIN, STONE CHECK DAM, ETC.).
 - MATERIAL FROM THIS PROJECT WILL BE TRANSPORTED TO TOWN OWNED PROPERTY WHERE IT WILL BE STORED IN NON-JURISDICTIONAL AREAS (UPLAND AREAS).
 - DAILY, OR AS REQUIRED, CONSTRUCT TEMPORARY BERMS, CULVERTS, DITCHES, SILTATION FENCES, SEDIMENT TRAPS, ETC. TO MAINTAIN THE WATER QUALITY LEAVING THE POND THROUGHOUT THE PROJECT. IN NO WAY ARE THE MEASURES INDICATED ON THE PLANS OR IN THESE NOTES TO BE CONSIDERED ALL INCLUSIVE. THE CONTRACTOR SHALL USE JUDGEMENT TO INSTALL ADDITIONAL MEASURES AS SITE CONDITIONS, WEATHER OR CONSTRUCTION METHODS WARRANT.

REV.	DATE	DESCRIPTION	C/O	DR	CK

PHASE III - DREDGING PLAN
OSGOOD POND RESTORATION PROJECT
 MASON ROAD AND OSGOOD ROAD
 MILFORD, NEW HAMPSHIRE

PREPARED FOR:
TOWN OF MILFORD
 1 UNION SQUARE, MILFORD NH 03065

SCALE: 1" = 60' NOVEMBER 5, 2013

Surveying ♦ Engineering ♦ Land Planning ♦ Permitting ♦ Septic Designs

FIELDSTONE
 LAND CONSULTANTS, PLLC

778 Elm Street Suite C, Milford, NH 03055
 Phone: (603) 672-5456 Fax: (603) 413-5456
 www.FieldstoneLandConsultants.com

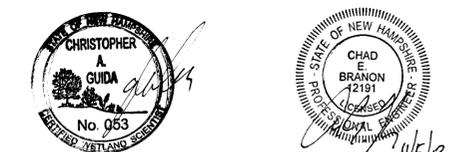
FILE: 478PH00.dwg PROJ. NO. 478.00 SHEET: PH-3 SHEET NO. 5 OF 7

REFERENCE PLAN:

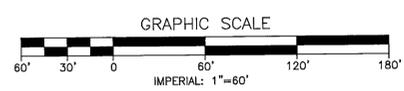
- OSGOOD POND AQUATIC ECOSYSTEM - RESTORATION PROJECT - MILFORD, NEW HAMPSHIRE OR PLAN OPTION NO. 1", SCALE: 1"=100', DATED: NOT SPECIFIED, SHEET C-1, BY US ARMY CORPS OF ENGINEERS NEW ENGLAND DISTRICT.

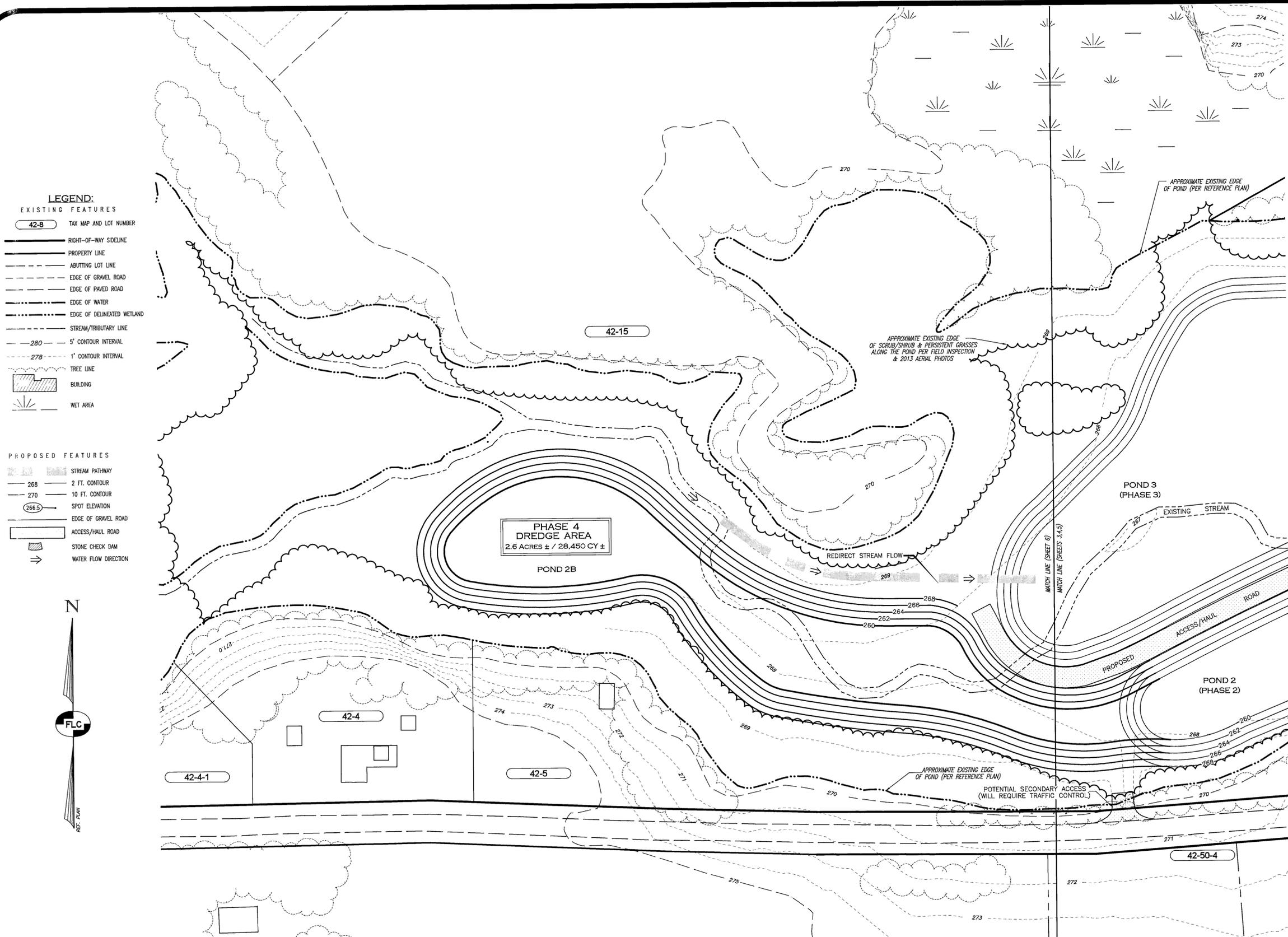
CERTIFICATION:

THE PORTION OF DELINEATED WETLANDS SHOWN WERE MAPPED IN ACCORDANCE WITH THE US ARMY CORPS OF ENGINEERS 1987 WETLAND DELINEATION MANUAL Y-87-1 AND REGIONAL SUPPLEMENT FOR NORTHEAST AND NORTHCENTRAL REGION AND FIELD INDICATORS FOR HYDRIC SOILS IN NEW ENGLAND BY CHRISTOPHER A. GUIDA, C.W.S. IN NOVEMBER 2012

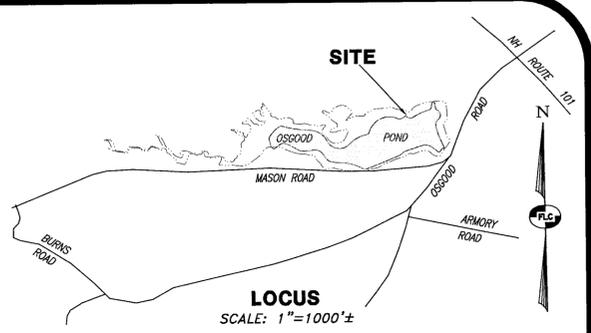


DATE: 11/5/13





- LEGEND:**
- EXISTING FEATURES**
- 42-8 TAX MAP AND LOT NUMBER
 - RIGHT-OF-WAY SIDELINE
 - PROPERTY LINE
 - ABUTTING LOT LINE
 - EDGE OF GRAVEL ROAD
 - EDGE OF PAVED ROAD
 - EDGE OF WATER
 - EDGE OF DELINEATED WETLAND
 - STREAM/TRIBUTARY LINE
 - 5' CONTOUR INTERVAL
 - 1' CONTOUR INTERVAL
 - TREE LINE
 - BUILDING
 - WET AREA
- PROPOSED FEATURES**
- STREAM PATHWAY
 - 2 FT. CONTOUR
 - 10 FT. CONTOUR
 - SPOT ELEVATION
 - EDGE OF GRAVEL ROAD
 - ACCESS/HAUL ROAD
 - STONE CHECK DAM
 - WATER FLOW DIRECTION



- GENERAL NOTES:**
- THE PURPOSE OF THIS PLAN IS TO SHOW A PROPOSED DREDGE AREA FOR THE RESTORATION AND PROPOSED IMPROVEMENTS AROUND A PORTION OF OSGOOD POND.
 - THE SURFACE FEATURES AND SITE TOPOGRAPHY SHOWN ARE NOT THE RESULT OF AN ONSITE FIELD SURVEY BY THIS OFFICE BUT DERIVED ONLY FROM THE REFERENCE PLAN CITED HEREON AND AERIAL MAPPING, WITH THE EXCEPTION OF SURVEY LOCATED WETLAND MAPPING CONDUCTED IN THE VICINITY OF THE PROPOSED IMPROVEMENTS CONDUCTED BY THIS OFFICE IN NOVEMBER 2012. REMAINDER WETLANDS AREA PER ACDE REFERENCE PLAN AND VERIFIED BY 2013 AERIAL PHOTOGRAPHY.
 - ALL EQUIPMENT SHALL BE INSPECTED DAILY FOR LEAKS AND REPAIRED AS NEEDED. REPAIRS WHEN POSSIBLE SHOULD BE DONE OFF SITE BUT SHALL IN NO CASE BE PERFORMED WITHIN JURISDICTIONAL AREAS. FAULTY EQUIPMENT SHALL NOT BE UTILIZED.
 - A HAZARDOUS MATERIALS RESPONSE KIT AND RELATED EQUIPMENT WILL BE MAINTAINED ON-SITE AT ALL TIMES. THE KIT SHALL INCLUDE, BUT NOT BE LIMITED TO, A SITE HEALTH AND SAFETY PLAN, PERSONAL PROTECTIVE EQUIPMENT, FIRST AID KIT, FIRE EXTINGUISHER, OIL ABSORBENT PADS AND CONTAINMENT BOOM OR SIMILAR.

- PHASE 4 NOTES:**
- INSTALL EROSION AND SEDIMENTATION CONTROL IN LOCATIONS SHOWN ON THE PLANS. THESE DEVICES SHALL BE INSTALLED BEFORE ANY AREAS BEING DISTURBED.
 - INSPECT AND MAINTAIN EROSION AND SEDIMENTATION CONTROL MEASURES ON A DAILY BASIS AND AFTER ANY STORMS.
 - CLEAR, GRUB AND CONSTRUCT ACCESS/HAUL ROADS AS SHOWN.
 - EXCAVATE TRENCH TO REDIRECT THE STREAM CHANNEL TO POND 3 AS SHOWN.
 - DREDGE POND 2B AS SHOWN.
 - DEWATERING OPERATIONS DURING THE DREDGING SHALL CONSIST OF INSTALLING A PUMP IN POND 2B AND PUMPING TO POND 2 WHICH WILL ACT AS THE SEDIMENT BASIN FOR THIS PHASE. STONE CHECK DAMS SHALL BE INSTALLED AT THE OUTFALL OF POND 2.
 - POND 2 SHALL BE MONITORED ALONG WITH ALL STONE CHECK DAMS TO MAINTAIN WATER QUALITY. PUMPING OPERATIONS SHALL STOP WHEN TURBIDITY LEVELS EXCEED THE BASELINE OR WHEN MAINTENANCE IS REQUIRED (SEDIMENT BASIN, STONE CHECK DAM, ETC.).
 - THE FINAL STEP OF THE POND 2B DREDGE SHALL CONSIST OF THE CONNECTION OF POND 2 AND POND 2B.
 - MATERIAL FROM THIS PROJECT WILL BE TRANSPORTED TO TOWN OWNED PROPERTY WHERE IT WILL BE STORED IN NON-JURISDICTIONAL AREAS (UPLAND AREAS).
 - DAILY, OR AS REQUIRED, CONSTRUCT TEMPORARY BERMS, CULVERTS, DITCHES, SILTATION FENCES, SEDIMENT TRAPS, ETC. TO MAINTAIN THE WATER QUALITY LEAVING THE POND THROUGHOUT THE PROJECT. IN NO WAY ARE THE MEASURES INDICATED ON THE PLANS OR IN THESE NOTES TO BE CONSIDERED ALL INCLUSIVE. THE CONTRACTOR SHALL USE JUDGEMENT TO INSTALL ADDITIONAL MEASURES AS SITE CONDITIONS, WEATHER OR CONSTRUCTION METHODS WARRANT.
 - AT THE CONCLUSION OF THIS PHASE THE ACCESS/HAUL ROADS AND ALL SLEEVES AND CULVERTS SHALL BE REMOVED AND ALL MATERIAL BETWEEN THE PONDS SHALL BE DREDGED. THE FINAL GRADING OF THE POND SHOULD RESEMBLE THE GRADING SHOWN ON THE OVERALL IMPROVEMENTS PLAN (SHEET SP-1).
 - WHEN ALL DREDGING IS COMPLETED WITHIN OSGOOD POND THE STONE CHECK DAMS ON THE OUTFALL OF THE POND SHALL BE REMOVED AS WELL AS ANY ACCUMULATED SEDIMENTATION IN THE VICINITY OF THE OUTFALL AREA.
 - THE FISHING PIER AND BOAT LAUNCH AREA SHOULD BE CONSTRUCTED, ADAMS FIELD SHOULD BE RESTORED AND THE SHORELINE AREA THAT WAS IMPACTED BY THE DREDGING SHOULD BE STABILIZED AND RESTORED AS NEEDED.

REV.	DATE	DESCRIPTION	C/O	DR	CK

PHASE IV - DREDGING PLAN
OSGOOD POND RESTORATION PROJECT
MASON ROAD AND OSGOOD ROAD
MILFORD, NEW HAMPSHIRE

PREPARED FOR:
TOWN OF MILFORD
1 UNION SQUARE, MILFORD NH 03055

SCALE: 1" = 60' NOVEMBER 5, 2013

Surveying ♦ Engineering ♦ Land Planning ♦ Permitting ♦ Septic Designs

FIELDSTONE
LAND CONSULTANTS, PLLC

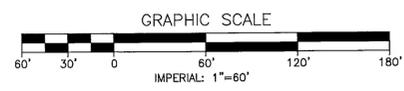
778 Elm Street Suite C, Milford, NH 03055
 Phone: (603) 672-5456 Fax: (603) 413-5456
 www.FieldstoneLandConsultants.com

REFERENCE PLAN:

- "OSGOOD POND AQUATIC ECOSYSTEM - RESTORATION PROJECT - MILFORD, NEW HAMPSHIRE OR PLAN OPTION NO. 1", SCALE: 1"=100', DATED: NOT SPECIFIED, SHEET C-1, BY US ARMY CORPS OF ENGINEERS NEW ENGLAND DISTRICT.

CERTIFICATION:

THE PORTION OF DELINEATED WETLANDS SHOWN WERE MAPPED IN ACCORDANCE WITH THE US ARMY CORPS OF ENGINEERS 1987 WETLAND DELINEATION MANUAL Y-87-1 AND REGIONAL SUPPLEMENT FOR NORTHEAST AND NORTHCENTRAL REGION AND FIELD INDICATORS FOR HYDRIC SOILS IN NEW ENGLAND BY CHRISTOPHER A. GUIDA, C.W.S. IN NOVEMBER 2012



DATE: 11/5/13

EROSION CONTROL (GENERAL CONSTRUCTION)

1. PRIOR TO STARTING ANY WORK ON THE SITE THE CONTRACTOR SHALL NOTIFY APPROPRIATE AGENCIES.
2. EROSION CONTROL MEASURES SHALL BE INSTALLED PER PLANS AND DETAILS. PERIMETER CONTROLS SHALL BE IN PLACE PRIOR TO COMMENCEMENT OF EARTH DISTURBING ACTIVITIES.
3. EXISTING VEGETATION IS TO REMAIN UNDISTURBED WHEN POSSIBLE.
4. EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE KEPT CLEAN DURING CONSTRUCTION. EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE INSPECTED AT LEAST ONCE A WEEK AND AFTER EVERY 0.25-INCH OR GREATER RAINFALL. SEDIMENTS SHALL BE DISPOSED OF IN AN UPLAND AREA THAT WILL NOT CONTRIBUTE TO SEDIMENT OFF-SITE AND BE PERMANENTLY STABILIZED.
5. THE SMALLEST PRACTICAL AREA SHALL BE DISTURBED DURING CONSTRUCTION.
6. THE LAND AREA EXPOSED SHALL BE KEPT TO THE SHORTEST PRACTICAL PERIOD OF TIME. ALL NON-ACTIVE DISTURBED AREAS SHALL BE STABILIZED WITHIN 30 DAYS OF THE DISTURBANCE. ALL DISTURBED AREAS SHALL BE STABILIZED WITHIN 72 HOURS OF FINAL GRADING.
7. DITCHES, SWALES AND DRAINAGE BASINS SHALL BE CONSTRUCTED DURING THE INITIAL PHASE OF CONSTRUCTION AND STABILIZED PRIOR TO DIRECTING RUNOFF TO THEM.
8. AN AREA SHALL BE CONSIDERED STABILIZED IF ONE OF THE FOLLOWING HAS OCCURED:
 - A. BASE COURSE GRAVELS HAVE BEEN INSTALLED IN AREAS TO BE PAVED;
 - B. A MINIMUM OF 85% VEGETATED GROWTH HAS BEEN ESTABLISHED;
 - C. A MINIMUM OF 3-INCHES OF NON-EROSIVE MATERIAL, SUCH AS STONE OR RIPRAP, HAS BEEN INSTALLED; OR
 - D. EROSION CONTROL BLANKETS HAVE BEEN PROPERLY INSTALLED.
9. EROSION CONTROL BLANKETS SHALL BE INSTALLED ON ALL SLOPES THAT ARE STEEPER THAN 3:1 (HORIZONTAL / VERTICAL). UNLESS OTHERWISE SPECIFIED THE CONTRACTOR SHALL USE NORTH AMERICAN GREEN SC150, OR APPROVED EQUIVALENT.
10. ALL AREAS RECEIVING EROSION CONTROL STONE OR RIPRAP SHALL HAVE A GEOTEXTILE MATERIAL INSTALLED BELOW THE STONE (SEE APPROPRIATE DETAILS).
11. ALL DISTURBED AREAS TO TURF FINISHED SHALL BE COVERED WITH A MINIMUM THICKNESS OF 4 INCHES OF COMPACTED LOAM. LOAM SHALL BE COVERED WITH THE APPROPRIATE SEED MIXTURE AS INDICATED BELOW:

PERMANENT SEED (LAWN AREAS)

	POUNDS / 1,000 SQUARE FEET
CREeping RED FESCUE	0.92 LBS
PERENNIAL RYEGRASS	1.15 LBS
KENTUCKY BLUEGRASS	0.58 LBS
REDTOP	0.12 LBS
APPLICATION RATE TOTALS 2.8 LBS PER 1,000 SF	

PERMANENT SLOPE SEED MIX

	POUNDS / 1,000 SQUARE FEET
CREeping RED FESCUE	0.80 LBS
PERENNIAL RYEGRASS	0.89 LBS
REDTOP	0.12 LBS
ALSIKE CLOVER	0.12 LBS
BIRDFOOT TREFLOIL	0.12 LBS
APPLICATION RATE TOTALS 1.85 LBS PER 1,000 SF	

12. APPLY LIMESTONE AND FERTILIZER ACCORDING TO SOIL TEST RECOMMENDATIONS. IF SOIL TESTING IS NOT FEASIBLE (CRITICAL TIME FRAMES OR VARIABLE SITES) THEN APPLY FERTILIZER AT A RATE OF 11 POUNDS PER 1,000 SF AND LIMESTONE AT A RATE OF 90 POUNDS PER 1,000 SF. FERTILIZER SHALL BE LOW PHOSPHATE (LESS THAN 2% PHOSPHORUS).

CAUTION SHOULD BE TAKE WHEN THE PROPERTY IS LOCATED WITHIN 250 FEET OF A WATER BODY. IN THIS CASE ALL FERTILIZERS SHALL BE RESTRICTED TO A LOW PHOSPHATE, SLOW RELEASE NITROGEN FERTILIZER. SLOW RELEASE FERTILIZERS MUST BE AT LEAST 50% SLOW RELEASE NITROGEN COMPONENT. NO FERTILIZER EXCEPT LIMESTONE SHALL BE APPLIED WITHIN 25 FEET OF THE SURFACE WATER. THESE ARE REGULATED LIMITATIONS.

13. PERMANENT OR TEMPORARY COVER MUST BE IN PLACE BEFORE THE GROWING SEASON ENDS (SEE WINTER CONSTRUCTION NOTES). NO DISTURBED AREAS SHALL BE LEFT EXPOSED DURING THE WINTER MONTHS.
14. A VIGOROUS DUST CONTROL PROGRAM SHALL BE APPLIED BY THE SITE CONTRACTOR. DUST SHALL BE MANAGED THROUGH THE USE OF WATER AND/OR CALCIUM CHLORIDE.
15. IN NO WAY ARE THE MEASURES INDICATED ON THE PLANS OR IN THESE NOTES TO BE CONSIDERED ALL INCLUSIVE. THE CONTRACTOR SHALL USE JUDGEMENT TO INSTALL ADDITIONAL EROSION CONTROL MEASURES AS SITE CONDITIONS, WEATHER OR CONSTRUCTION METHODS WARRANT.
16. FOLLOWING PERMANENT STABILIZATION, TEMPORARY EROSION CONTROL MEASURES SHALL BE REMOVED AND ACCUMULATED SEDIMENTATION IS TO BE DISPOSED OF IN AN APPROVED LOCATION, OUTSIDE OF JURISDICTIONAL WETLANDS.

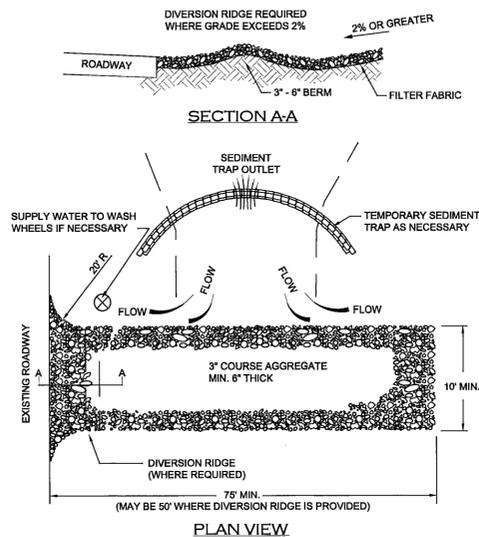
EROSION CONTROL (WINTER CONSTRUCTION)

1. ALL PROPOSED VEGETATED AREAS WHICH DO NOT EXHIBIT A MINIMUM OF 85% VEGETATED GROWTH BY OCTOBER 15TH, OR WHICH ARE DISTURBED AFTER OCTOBER 15TH, SHALL BE STABILIZED. STABILIZATION METHODS SHALL INCLUDE SEEDING AND INSTALLING EROSION CONTROL BLANKETS ON SLOPES GREATER THAN 3:1, AND SEEDING AND PLACING 3 TO 4 TONS OF MULCH PER ACRE, SECURED WITH ANCHORED NETTING, ELSEWHERE. THE INSTALLATION OF EROSION CONTROL BLANKETS OR MULCH AND NETTING SHALL NOT OCCUR OVER ACCUMULATED SNOW OR FROZEN GROUND AND SHALL BE COMPLETED IN ADVANCE OF THAW OR SPRING MELT EVENTS.
2. ALL DITCHES OR SWALES WHICH DO NOT EXHIBIT A MINIMUM OF 85% VEGETATED GROWTH BY OCTOBER 15TH, OR WHICH ARE DISTURBED AFTER OCTOBER 15TH, SHALL BE STABILIZED WITH STONE OR EROSION CONTROL BLANKETS APPROPRIATE FOR THE DESIGN FLOW CONDITIONS.
3. AFTER NOVEMBER 15TH, INCOMPLETE ROAD OR PARKING SURFACES, WHERE WORK HAS STOPPED FOR THE WINTER SEASON, SHALL BE PROTECTED WITH A MINIMUM OF 3 INCHES OF CRUSHED GRAVEL OR PROPERLY INSTALLED EROSION CONTROL BLANKETS COVERED WITH HAY. OTHER STABILIZATION OPTIONS ARE TO BE APPROVED BY THE APPROPRIATE AGENCIES AND THE DESIGN ENGINEER. IF CONSTRUCTION IS TO CONTINUE THROUGH THE WINTER MONTHS THEN THE ROAD SHOULD BE CLEARED OF ACCUMULATED SNOW AFTER EACH STORM EVENT.

EROSION CONTROL NOTES

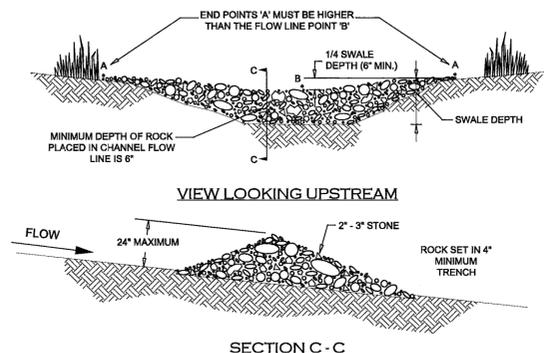
1. ALL CONSTRUCTION SHALL CONFORM TO THE APPLICABLE REQUIREMENTS AND SPECIFICATIONS OF THE TOWN OF MILFORD.
2. ALL WORK SHALL BE COORDINATED AND APPROVED BY THE MILFORD DEPARTMENT OF PUBLIC WORKS (DPW) DIRECTOR. THIS INCLUDES WORK SCHEDULE, TRAFFIC CONTROL AND/OR ROAD CLOSURES.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION, SIZE, AND ELEVATION OF ALL EXISTING UTILITIES SHOWN OR NOT SHOWN ON THESE PLANS AND SHALL VERIFY THAT ALL THE INFORMATION SHOWN HEREON IS CONSISTENT, COMPLETE, ACCURATE, AND CAN BE CONSTRUCTED PRIOR TO AND/OR DURING CONSTRUCTION. FIELDSTONE LAND CONSULTANTS, PLLC, AS THE DESIGN ENGINEER, SHALL BE NOTIFIED IN WRITING OF ANY DISCREPANCIES, ERRORS, OMISSIONS, OR EXISTING UTILITIES FOUND INTERFERING WITH THE PROPOSED CONSTRUCTION SO THAT REMEDIAL ACTION MAY BE TAKEN BEFORE PROCEEDING WITH THE WORK.
4. THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN FOR APPROVAL TO THE DPW DIRECTOR TWO WEEKS PRIOR TO WORK COMMENCING ON-SITE.
5. THE CONTRACTOR SHALL CONTACT "DIGSAFE" 72 HOURS PRIOR TO THE START OF CONSTRUCTION (1-800-255-4977 IN NH, 1-888-344-7233 IN MA).
6. COMPLIANCE WITH ALL APPLICABLE REGULATIONS AND SPECIAL CONDITIONS OF LOCAL, STATE AND FEDERAL AGENCIES IS MANDATORY AND IS THE RESPONSIBILITY OF THE OWNER.
7. ANY ALTERATION OF THIS DESIGN OR CHANGE DURING CONSTRUCTION MAY REQUIRE APPROVAL OF VARIOUS TOWN BOARDS OR AGENCIES AND SHALL BE DISCUSSED WITH THE OWNER AND FIELDSTONE LAND CONSULTANTS, PLLC PRIOR TO CONSTRUCTION.

GENERAL CONSTRUCTION NOTES



- NOTES:**
1. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAYS. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.
 2. THE MINIMUM STONE USED SHOULD BE 3-INCH CRUSHED STONE.
 3. THE MINIMUM LENGTH OF THE PAD SHOULD BE 75 FEET, EXCEPT THAT THE MINIMUM LENGTH MAY BE REDUCED TO 50 FEET IF A 3-INCH TO 6-INCH HIGH BERM IS INSTALLED AT THE ENTRANCE OF THE PROJECT SITE.
 4. THE PAD SHOULD EXTEND THE FULL WIDTH OF THE CONSTRUCTION ACCESS ROAD OR 10 FEET, WHICHEVER IS GREATER.
 5. THE PAD SHOULD SLOPE AWAY FROM THE EXISTING ROADWAY.
 6. THE PAD SHOULD BE AT LEAST 6-INCHES THICK.
 7. THE GEOTEXTILE FILTER FABRIC SHOULD BE PLACED BETWEEN THE STONE PAD AND THE EARTH SURFACE BELOW THE PAD.
 8. THE PAD SHALL BE MAINTAINED OR REPLACED WHEN MUD AND SOIL PARTICLES CLOG THE VOIDS IN THE STONE SUCH THAT MUD AND SOIL PARTICLES ARE TRACKED OFF-SITE.
 9. NATURAL DRAINAGE THAT CROSSES THE LOCATION OF THE STONE PAD SHOULD BE INTERCEPTED AND PIPED BENEATH THE PAD, AS NECESSARY, WITH SUITABLE OUTLET PROTECTION.
 10. WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY.
 11. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.

GRAVEL CONSTRUCTION EXIT

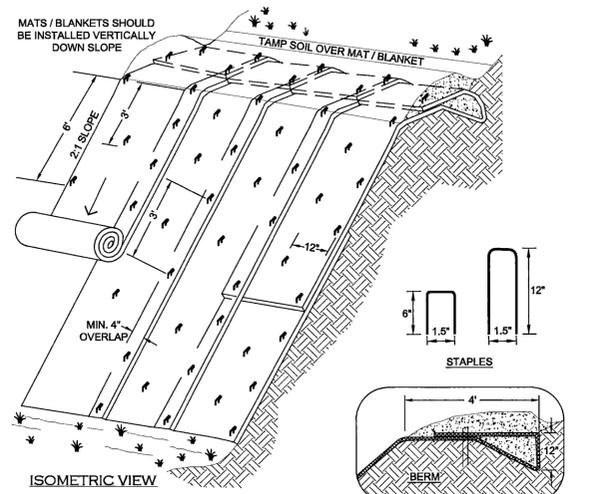


- NOTES:**
1. STONE CHECK DAMS SHOULD BE INSTALLED BEFORE RUNOFF IS DIRECTED TO THE SWALE OR DRAINAGE DITCH.
 2. STONE CHECK DAMS SHOULD BE CONSTRUCTED OF WELL-GRADED ANGULAR 2 TO 3 INCH STONE. THE INSTALLATION OF 3/4-INCH STONE ON THE UPGRADE FACE IS RECOMMENDED FOR BETTER FILTERING.
 3. WHEN INSTALLING STONE CHECK DAMS THE CONTRACTOR SHALL KEY THE STONE INTO THE CHANNEL BANKS AND EXTEND THE STONE BEYOND THE ABUTMENTS A MINIMUM OF 18-INCHES TO PREVENT FLOW AROUND THE DAM.
 4. STONE CHECK DAMS SHOULD BE REMOVED ONCE THE SWALE OR DITCH HAS BEEN STABILIZED UNLESS OTHERWISE SPECIFIED.

STONE CHECK DAM

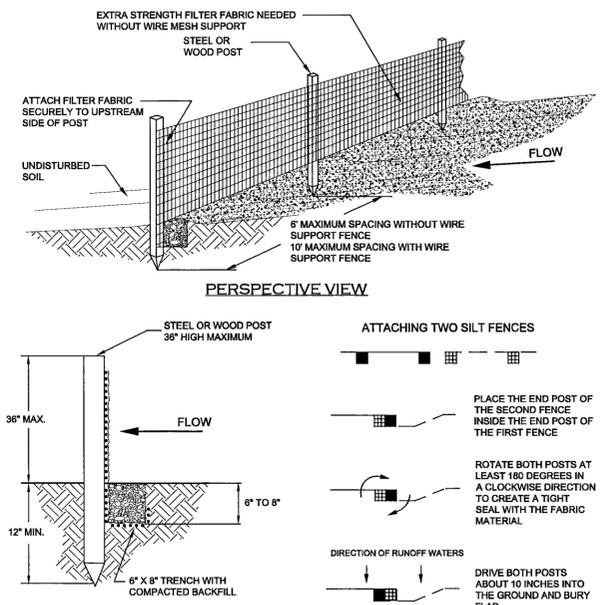
1. REFERENCE IS MADE TO THE LATEST EDITION OF THE FEDERAL REGISTER (63 FR 7857) ENVIRONMENTAL PROTECTION AGENCY NPDES GENERAL PERMITS FOR STORM WATER DISCHARGES FROM CONSTRUCTION ACTIVITIES. FOR ADDITIONAL INFORMATION CONTACT (202) 564-8545 OR www.epa.gov/npdes/stormwater.
2. THE ENTIRE CONTENTS OF THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) SHALL BE RETAINED ON-SITE FOR THE DURATION OF THE CONTRACT AND BE MADE AVAILABLE TO LOCAL, STATE AND FEDERAL CODE ENFORCEMENT PERSONNEL.
3. ALL CONTRACTORS AND SUBCONTRACTORS INVOLVED WITH STORM WATER POLLUTION PREVENTION SHALL OBTAIN A COPY OF THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) AND THE STATE OF NEW HAMPSHIRE NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM GENERAL PERMIT (NPDES PERMIT) AND BECOME FAMILIAR WITH THEIR CONTENTS.
4. THE CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES (BMP'S) AS REQUIRED BY THE SWPPP AND SITE CONDITIONS. IN NO WAY ARE THE MEASURES INDICATED ON THESE PLANS TO BE CONSIDERED ALL INCLUSIVE. THE CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES AS DICTATED BY THE SITE CONDITIONS AND WEATHER AT NO ADDITIONAL CHARGE TO THE OWNER.
5. BEST MANAGEMENT PRACTICES AND CONTROLS SHALL CONFORM TO LOCAL, STATE AND FEDERAL REQUIREMENTS FOR INSTALLATION AND MAINTENANCE.
6. ALL BMP MEASURES SHALL BE MAINTAINED IN FULLY FUNCTIONING CONDITION UNTIL FINAL STABILIZATION OF THE SITE. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE CHECKED AND INSPECTED BY A QUALIFIED PERSON AND REPAIRED IN ACCORDANCE WITH THE BEST MANAGEMENT PRACTICES.
7. THE CONTRACTOR SHALL PROVIDE COPIES OF THE EROSION AND SEDIMENTATION CONTROL INSPECTION LOGS TO THE OWNER ON A MONTHLY BASIS FOR THE DURATION OF THE PROJECT.
8. A FINAL REPORT SHALL BE FILED WITH THE OWNER AT THE TIME OF PROJECT COMPLETION, INCLUDING PHOTOS OF ALL IMPACTED OR IMPROVED AREAS.

EPA NPDES PERMIT NOTES



- NOTES:**
1. DIMENSIONS GIVEN IN THIS DETAIL ARE EXAMPLES; DEVICE SHOULD BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS.
 2. INSTALL STRAW/COCONUT FIBER EROSION CONTROL MAT SUCH AS NORTH AMERICAN GREEN SC150 OR EQUAL ON ALL SLOPES EXCEEDING 3' HORIZ. : 1' VERT.
 3. THE EROSION CONTROL MATERIAL(S) SHALL BE ANCHORED WITH *U* SHAPED 11 GAUGE WIRE STAPLES OR WOODEN STAKES WITH A MINIMUM TOP WIDTH OF 1 INCH AND LENGTH OF 6 INCH.
 4. SLOPE SURFACE SHALL BE FREE OF ROCKS, CLODS, STICKS AND GRASS. MATS / BLANKETS SHALL HAVE GOOD SOIL CONTACT.
 5. APPLY LIME, FERTILIZER AND PERMANENT SEEDING BEFORE PLACING BLANKETS.
 6. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET AS SHOWN. ROLL THE BLANKETS DOWN THE SLOPE. ALL BLANKETS MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES OR STAKES IN APPROPRIATE LOCATIONS. REFER TO MANUFACTURERS STAPLE GUIDE FOR CORRECT STAPLE PATTERN.
 7. LAY BLANKETS LOOSELY AND STAKE OR STAPLE TO MAINTAIN DIRECT CONTACT WITH THE SOIL. DO NOT STRETCH.
 8. IN LOOSE SOIL CONDITIONS THE USE OF STAPLES OR STAKE LENGTHS GREATER THAN 6 INCHES MAY BE NECESSARY TO PROPERLY SECURE THE BLANKETS.
 9. THE CONTRACTOR SHALL MAINTAIN THE BLANKET UNTIL ALL WORK ON THE CONTRACT HAS BEEN COMPLETED AND ACCEPTED. MAINTENANCE SHALL CONSIST OF THE REPAIR OF AREAS WHERE DAMAGED BY ANY CAUSE. ALL DAMAGED AREAS SHALL BE REPAIRED TO REESTABLISH THE CONDITIONS AND GRADE OF THE SOIL PRIOR TO APPLICATION OF THE COVERING AND SHALL BE REFERTILIZED, RESEEDED AND REMULCHED AS DIRECTED.

EROSION BLANKETS - SLOPE INSTALLATION



- NOTES:**
1. SILT FENCES SHOULD NOT BE USED ACROSS STREAMS, CHANNELS, SWALES, DITCHES OR OTHER DRAINAGEWAYS.
 2. SILT FENCE SHOULD BE INSTALLED FOLLOWING THE CONTOUR OF THE LAND AS CLOSELY AS POSSIBLE AND THE ENDS OF THE SILT FENCE SHOULD BE FLARED UPSLOPE.
 3. IF THE SITE CONDITIONS INCLUDE FROZEN GROUND, LEDGE OR THE PRESENCE OF HEAVY ROOTS THE BASE OF THE FABRIC SHOULD BE EMBEDDED WITH A MINIMUM THICKNESS OF 8 INCHES OF 3/4-INCH STONE.
 4. SILT FENCES PLACED AT THE TOE OF SLOPES SHOULD BE INSTALLED AT LEAST 6 FEET FROM THE TOE TO ALLOW SPACE FOR SHALLOW PONDING AND ACCESS FOR MAINTENANCE.
 5. THE MAXIMUM SLOPE ABOVE THE FENCE SHOULD BE 2:1 AND THE MAXIMUM LENGTH OF SLOPE ABOVE THE FENCE SHOULD BE 100 FEET.
 6. REMOVED SEDIMENT SHALL BE DEPOSITED TO AN AREA THAT WILL NOT CONTRIBUTE TO SEDIMENT OFF-SITE AND CAN BE PERMANENTLY STABILIZED.
 7. SILT FENCES SHOULD BE REMOVED WHEN THE UPSLOPE AREAS HAVE BEEN PERMANENTLY STABILIZED.

SILT FENCE

CONTACT DIG SAFE
72 HOURS PRIOR
TO CONSTRUCTION
DIGSAFE.COM
1-888-DIG SAFE
1-888-344-7233

REV.	DATE	DESCRIPTION	C/O	DR	CK

CONSTRUCTION DETAILS

OSGOOD POND RESTORATION PROJECT

MASON ROAD AND OSGOOD ROAD MILFORD, NEW HAMPSHIRE

PREPARED FOR:
TOWN OF MILFORD
1 UNION SQUARE, MILFORD NH 03055

NOT TO SCALE NOVEMBER 5, 2013

Surveying ♦ Engineering ♦ Land Planning ♦ Permitting ♦ Septic Designs

FIELDSTONE LAND CONSULTANTS, PLLC

778 Elm Street Suite C, Milford, NH 03055
Phone: (603) 672-5456 Fax: (603) 413-5456
www.FieldstoneLandConsultants.com