



**US Army Corps
of Engineers®**
New England District
**696 Virginia Road
Concord, MA 01742-2751**

PUBLIC NOTICE

Comment Period Begins: December 8, 2015
Comment Period Ends: January 8, 2016
File Number: NAE-2012-1077
In Reply Refer To: Lindsay Flieger
Phone: (978) 318-8656
E-mail: Lindsay.Flieger@usace.army.mil

The District Engineer has received a permit application from the applicant below to conduct work in waters of the United States as described below.

APPLICANT Southington-Cheshire YMCAs

ACTIVITY To make improvements to the Sloper Pond area for recreational activities. A detailed description and plans of the activity are attached.

WATERWAY AND LOCATION OF THE PROPOSED WORK

The proposed work will take place in Sloper Pond and wetlands adjacent to Sloper Pond. The work will be conducted at 1000 East Street in Southington, Connecticut which is located on the USGS Southington quadrangle sheet and is at Lat/Long coordinates 41.58985° N and -72.83904° W.

AUTHORITY

Permits are required pursuant to:

- ☐ Section 10 of the Rivers and Harbors Act of 1899
- ☒ Section 404 of the Clean Water Act
- ☐ Section 103 of the Marine Protection, Research and Sanctuaries Act).

The decision whether to issue a permit will be based on an evaluation of the probable impact of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefit which may reasonably accrue from the proposal must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered, including the cumulative effects thereof; among those are: conservation, economics, aesthetics, general environmental concerns, wetlands, cultural value, fish and wildlife values, flood hazards, flood plain value, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food production and, in general, the needs and welfare of the people.

The Corps of Engineers is soliciting comments from the public; Federal, state, and local agencies and officials; Indian Tribes; and other interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the Corps of Engineers to determine whether to issue, modify, condition or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are

also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

Where the activity involves the discharge of dredged or fill material into waters of the United States or the transportation of dredged material for the purpose of disposing it in ocean waters, the evaluation of the impact of the activity in the public interest will also include application of the guidelines promulgated by the Administrator, U.S Environmental Protection Agency, under authority of Section 404(b) of the Clean Water Act, and/or Section 103 of the Marine Protection Research and Sanctuaries Act of 1972 as amended.

Based on his initial review, the District Engineer has determined that little likelihood exists for the proposed work to impinge upon properties with cultural or Native American significance, or listed in, or eligible for listing in, the National Register of Historic Places. Therefore, no further consideration of the requirements of Section 106 of the National Historic Preservation Act of 1966, as amended, is necessary. This determination is based upon one or more of the following:

- a. The permit area has been extensively modified by previous work.
- b. The permit area has been recently created.
- c. The proposed activity is of limited nature and scope.
- d. Review of the latest published version of the National Register shows that no presence of registered properties listed as being eligible for inclusion therein are in the permit area or general vicinity.
- e. Coordination with the State Historic Preservation Officer and/or Tribal Historic Preservation Officer(s)

ENDANGERED SPECIES CONSULTATION

The New England District, Army Corps of Engineers has reviewed the list of species protected under the Endangered Species Act of 1973, as amended, which might occur at the project site. It is our preliminary determination that the proposed activity for which authorization is being sought is designed, situated or will be operated/used in such a manner that it is not likely to adversely affect any Federally listed endangered or threatened species or their designated critical habitat. By this Public Notice, we are requesting that the appropriate Federal Agency concur with our determination.

The States of Connecticut, Maine, Massachusetts, New Hampshire and Rhode Island have approved **Coastal Zone Management Programs**. Where applicable the applicant states that any proposed activity will comply with and will be conducted in a manner that is consistent with the approved Coastal Zone Management Program. By this Public Notice, we are requesting the State concurrence or objection to the applicant's consistency statement.

The following authorizations have been applied for, or have been, or will be obtained:

- (X) Permit, License or Assent from State.
- () Permit from Local Wetland Agency or Conservation Commission.
- (X) Water Quality Certification in accordance with Section 401 of the Clean Water Act.

In order to properly evaluate the proposal, we are seeking public comment. Anyone wishing to comment is encouraged to do so. **Comments should be submitted in writing by the above date.** If you have any

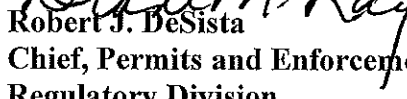
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FILE NO. NAE-2012-1077

questions, please contact Lindsay Flieger (978) 318-8656, (800) 343-4789 or (800) 362-4367, if calling from within Massachusetts.

Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider the application. Requests for a public hearing shall specifically state the reasons for holding a public hearing. The Corps holds public hearings for the purpose of obtaining public comments when that is the best means for understanding a wide variety of concerns from a diverse segment of the public.

The initial determinations made herein will be reviewed in light of facts submitted in response to this notice. All comments will be considered a matter of public record. Copies of letters of objection will be forwarded to the applicant who will normally be requested to contact objectors directly in an effort to reach an understanding.

THIS NOTICE IS NOT AN AUTHORIZATION TO DO ANY WORK.


Robert J. DeSista
Chief, Permits and Enforcement Branch
Regulatory Division

If you would prefer not to continue receiving Public Notices, please contact Ms. Tina Chaisson at (978) 318-8058 or e-mail her at bettina.m.chaisson@usace.army.mil. You may also check here () and return this portion of the Public Notice to: Bettina Chaisson, Regulatory Division, U.S. Army Corps of Engineers, 696 Virginia Road, Concord, MA 01742-2751.

NAME: _____

ADDRESS: _____

PROPOSED WORK AND PURPOSE

The Southington-Cheshire YMCA is seeking to excavate out sediment from Sloper Pond and discharge approximately 2,600 square feet (SF) of fill material into waters of the United States adjacent to the pond in order to make improvements to recreational areas.

The applicant plans to drawdown the water depth in Sloper Pond by using pumps and siphons and installing a temporary diversion system. Minor repairs to the existing dam will be made when the drawdown is complete. Accumulated sediment will be excavated to the approximate grade shown on sheet 16 of 20 and the excavated material will be brought to an on-site dewatering area with water control measures, as shown on sheet 20 of 28. The entirety of the 18 acre pond bottom will then be mechanically graded. Dredging the 18 acre pond will increase pond depth and allow for more educational and recreational activities to take place.

On the eastern side of the pond, a portion of the temporary water diversion berm will be left in place to act as a permanent sediment forebay. This sediment forebay will reduce sediment input into the pond and allow for easier sediment removal in the future. In order to access the forebay for future sediment removal, an access drive will be installed, as shown on sheet 6 of 28, impacting approximately 415 SF of wetlands. Work on the eastern side of the pond also includes replacing two (2) 24" trail culverts and one (1) 15" trail culvert in kind and in place as shown on sheets 6 and 12-14 of 28. Small amounts of riprap will be placed at the ends of each of the culverts to prevent erosion and will impact a total of 680 SF of wetlands.

On the western side of the pond, a low level outfall pipe with a 460 SF riprap apron will be installed as shown on sheet 8 of 28. The outfall pipe will be used to lower water levels for maintenance or emergency situations. Approximately 350 SF of riprap streambank protection will be placed further downstream from in order to prevent future erosion (also shown on sheet 8 of 28). A temporary construction access drive and culvert will be constructed in wetlands resulting in approximately 700 SF of impact. This area will have approximately 6,000 SF of tree clearing but will be restored to pre-construction conditions after work is complete.

The work is described on the enclosed plans entitled "Improvements to Sloper Pond," on 28 sheets, and dated "February 19, 2014."

MITIGATION

The accumulation of sediment in Sloper Pond has created shallow depths and caused excessive algae blooms and weed growth. The removal of this sediment will not only reduce this extreme growth but will also improve warm water fisheries. The applicant plans to further minimize impacts to waters of the United States by restoring all temporary impacts to pre-construction conditions. After the excavation is complete, the applicant will enhance the pond by creating fish and turtle habitat.

P:\Land Projects\0634 - YMCA Camp Sloper, East Street\dwg\ACOE Drawings\0634 - ACOE - 01 - Vicinity Map.dwg, 2/26/2014 1:07:29 PM
DRAWING NAME: P:\Land Projects\0634 - YMCA Camp Sloper, East Street\dwg\ACOE Drawings\0634 - ACOE - 01 - Vicinity Map.dwg LAYOUT: INDEX PLOT DATE: Feb 26, 2014 - 1:07pm OPERATOR: brainj

SHEET INDEX

01 - INDEX
02 - VICINITY MAP
03 - EXISTING SITE FEATURES
04 - OVERALL PROPOSED IMPROVEMENTS
05 - OVERALL WETLAND IMPACTS
06 - GRADING PLAN
07 - TEMPORARY BERM DETAIL
08 - OUTLET PIPE PLAN
09 - OUTLET PIPE PROFILE
10 - SPILLWAY SECTION
11 - DRAWDOWN STRUCTURE
12 - CULVERT 1
13 - CULVERT 2
14 - CULVERT 3
15 - CROSS SECTION KEYMAP
16 - BASELINE SECTION
17 - CROSS SECTIONS
18 - CROSS SECTIONS
19 - EROSION & SEDIMENTATION PLAN
20 - DEWATERING AREA PLAN
21 to 28 - DETAILS

PURPOSE: Improve Water
Quality and Maintain
Recreational Uses

DATUM: NAD83, NGVD 1929

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876 South Main Street
P.O. Box 44 Plantsville, CT 06479 - 0044

INDEX

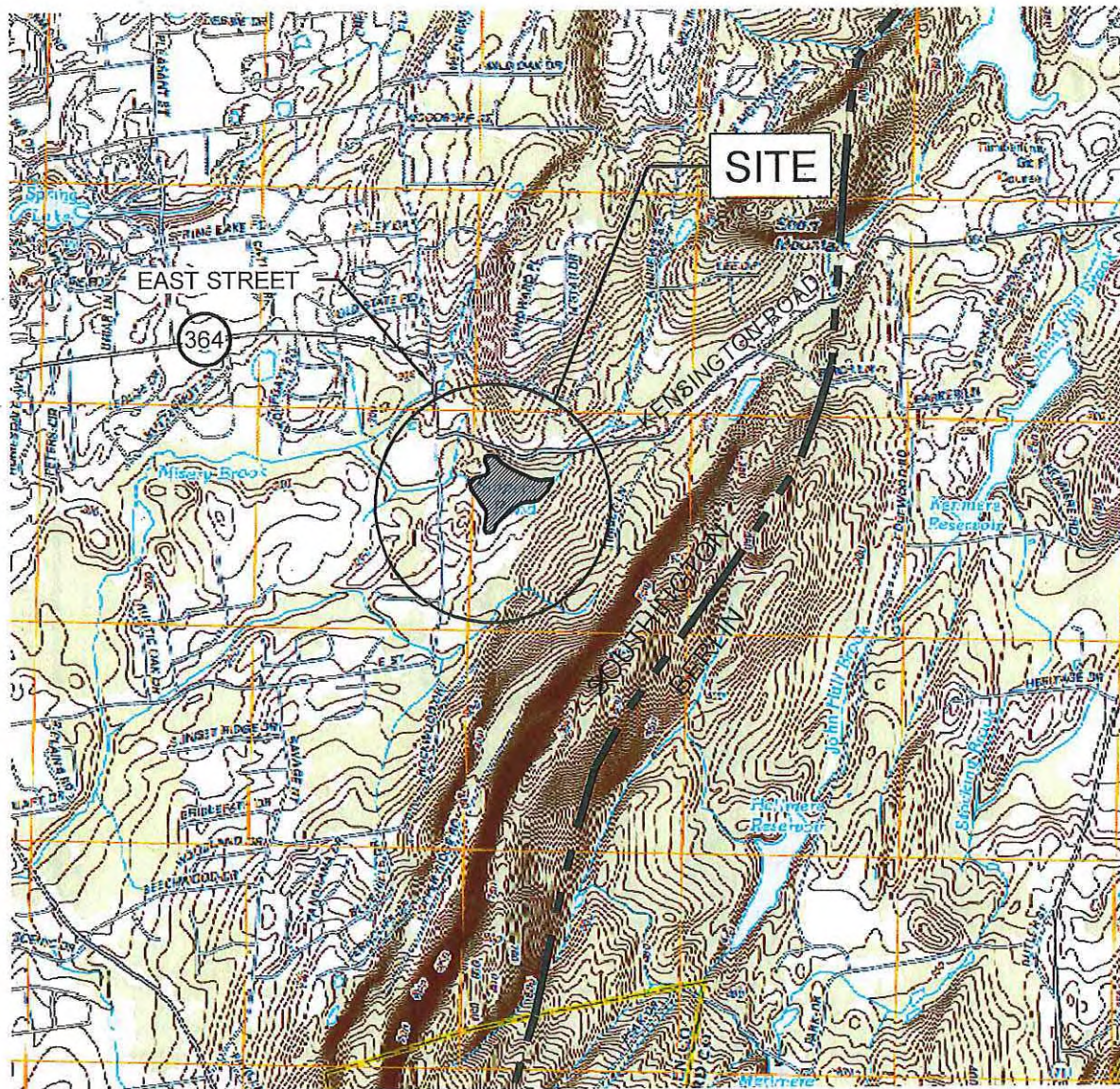
APPLICATION BY:
SOUTHINGTON-CHESHIRE
COMMUNITY YMCAs

IMPROVEMENTS TO SLOPER POND

AT: 1000 East Street
Southington, CT

DATE: February 19, 2014

SHEET 01 OF 28

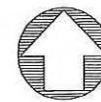


SITE LOCATION: LATITUDE 41°35'27.92"N
LONGITUDE 72°50'19.05"W



SCALE IN FEET

U.S.G.S. MERIDEN QUADRANGLE



NORTH

PURPOSE: Improve Water Quality
and Maintain
Recreational Uses

DATUM: NAD83, NGVD 1929

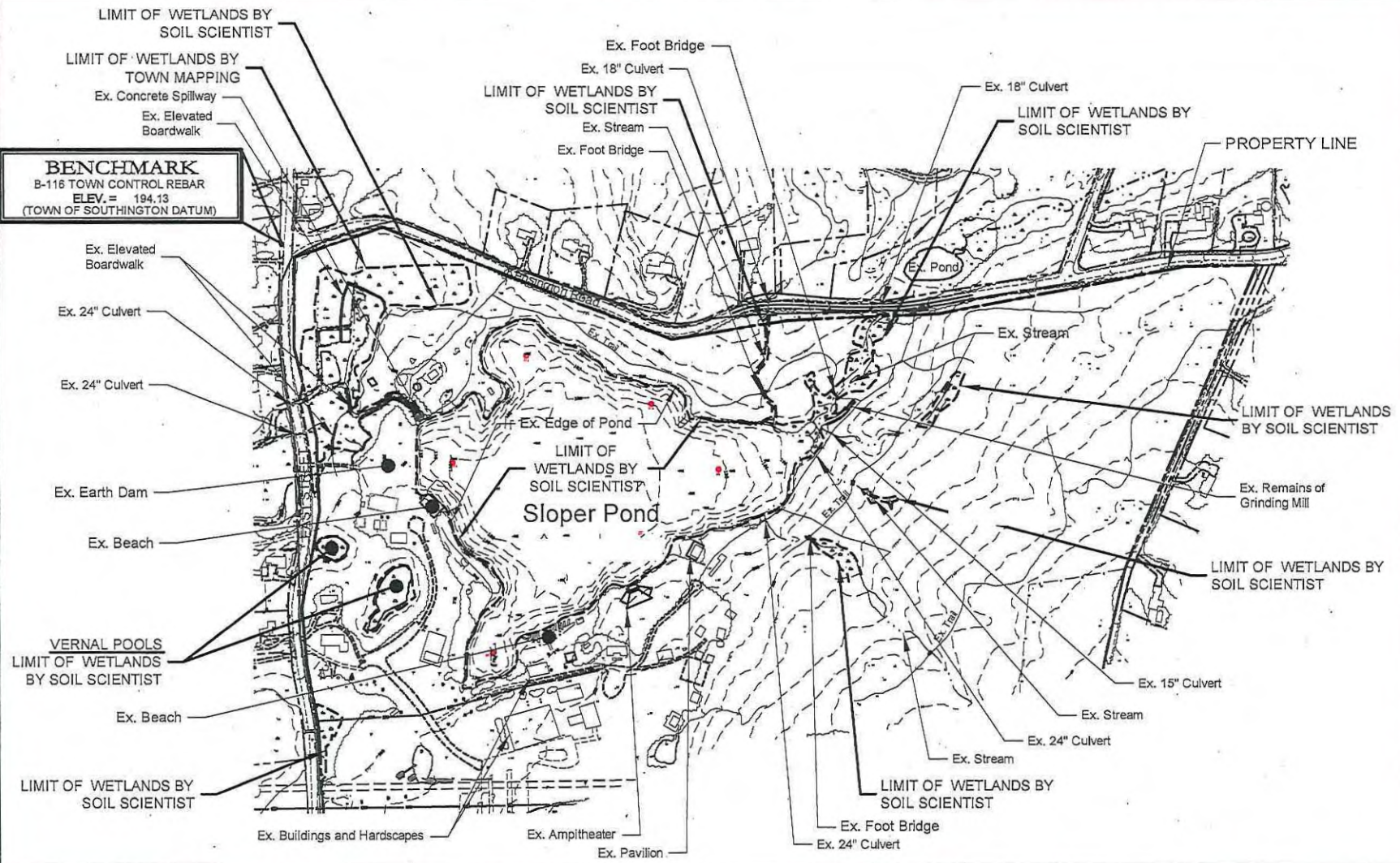
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VICINITY MAP

APPLICATION BY:
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COMMUNITY YMCAs

IMPROVEMENTS TO SLOPER POND

AT: 1000 East Street
Southington, CT
DATE: February 19, 2014
SHEET 02 OF 28



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DATUM: NAD83, NGVD 1929

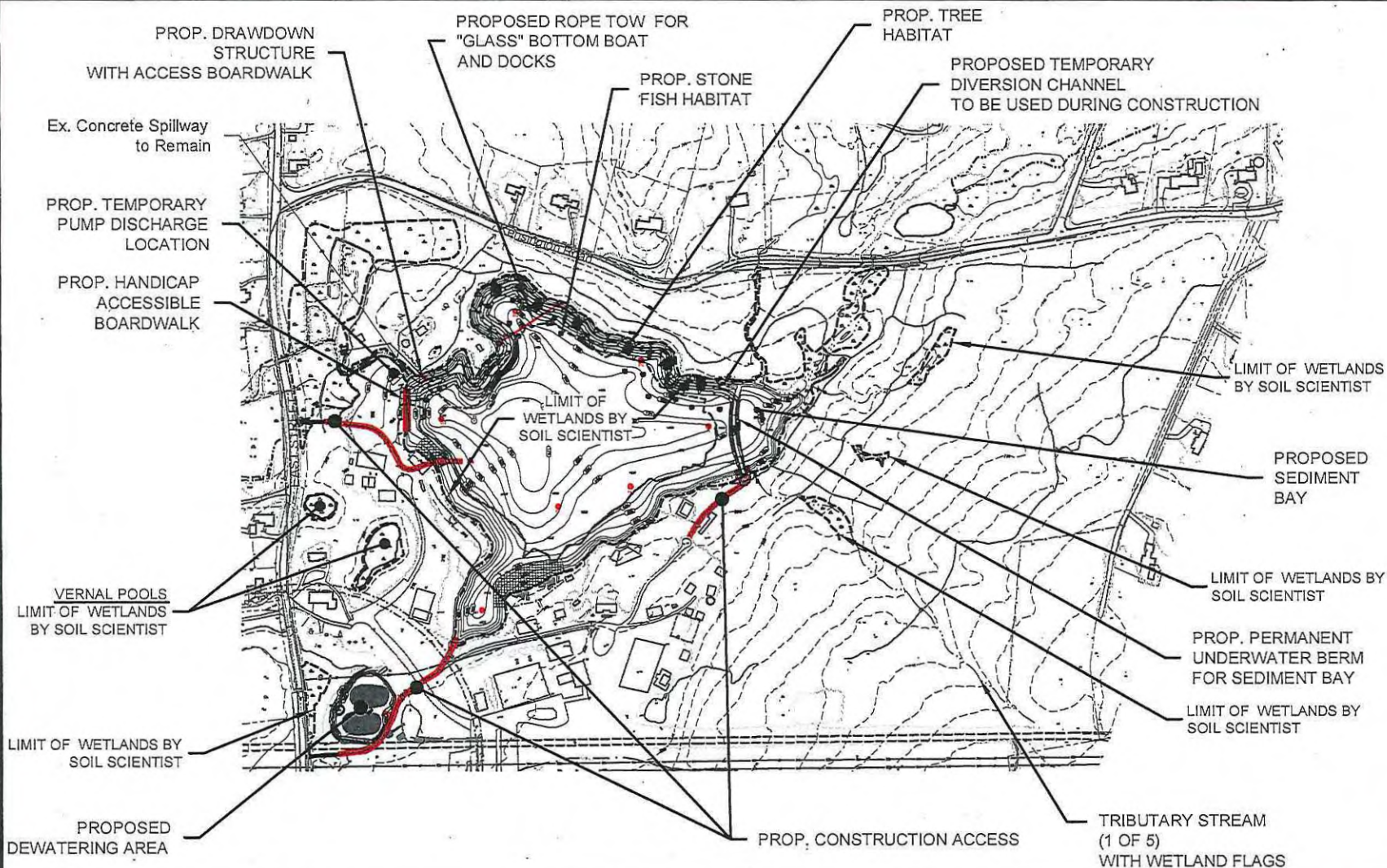
IMPROVEMENTS TO SLOPER POND EXISTING SITE FEATURES

At:
1000 East Street
Southington, CT

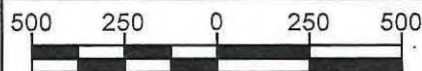
APPLICATION BY:
SOUTHTON-CHESHIRE
COMMUNITY YMCAs

DATE:
February 19, 2014

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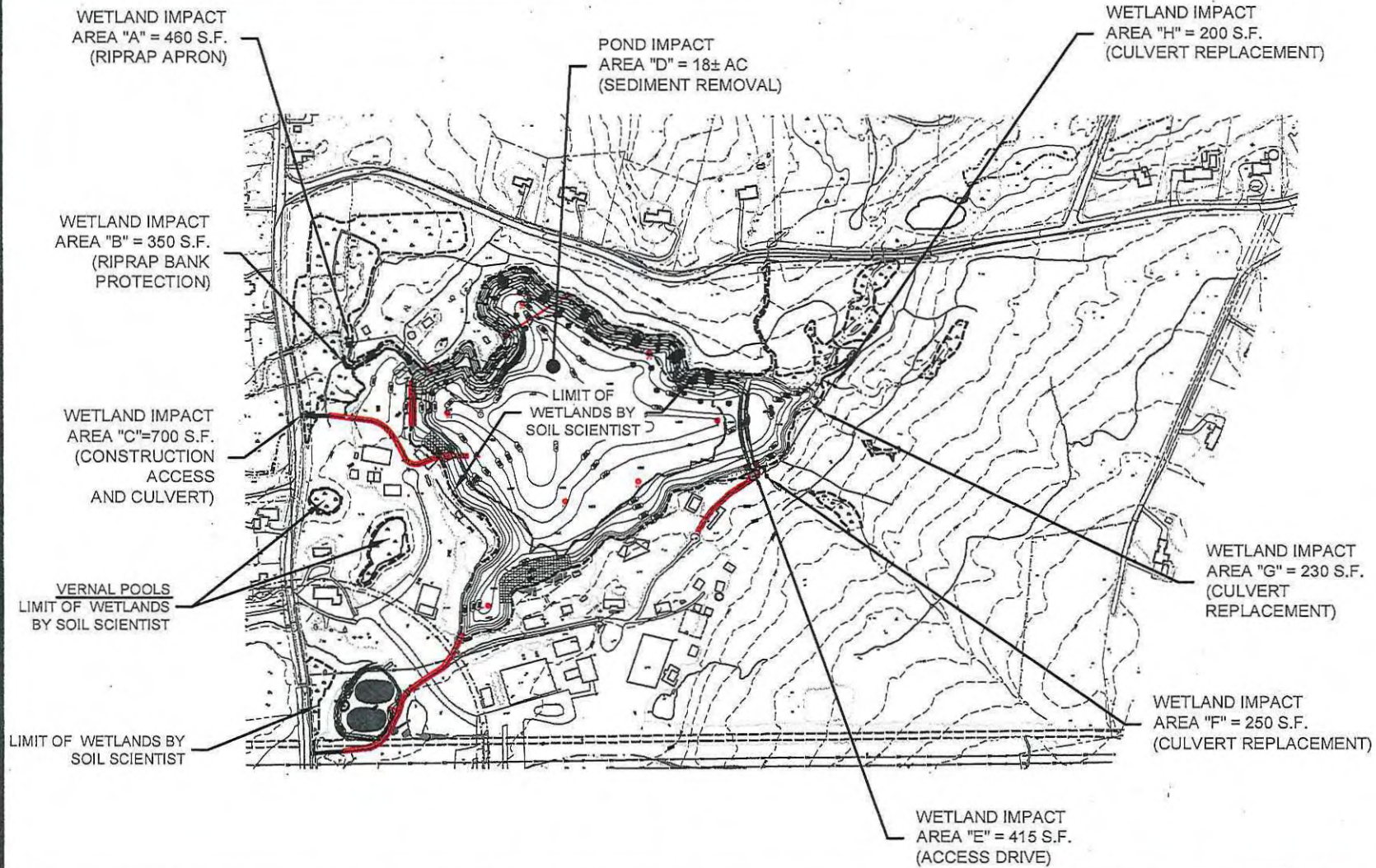
IMPROVEMENTS TO SLOPER POND OVERALL PROPOSED IMPROVEMENTS

At:
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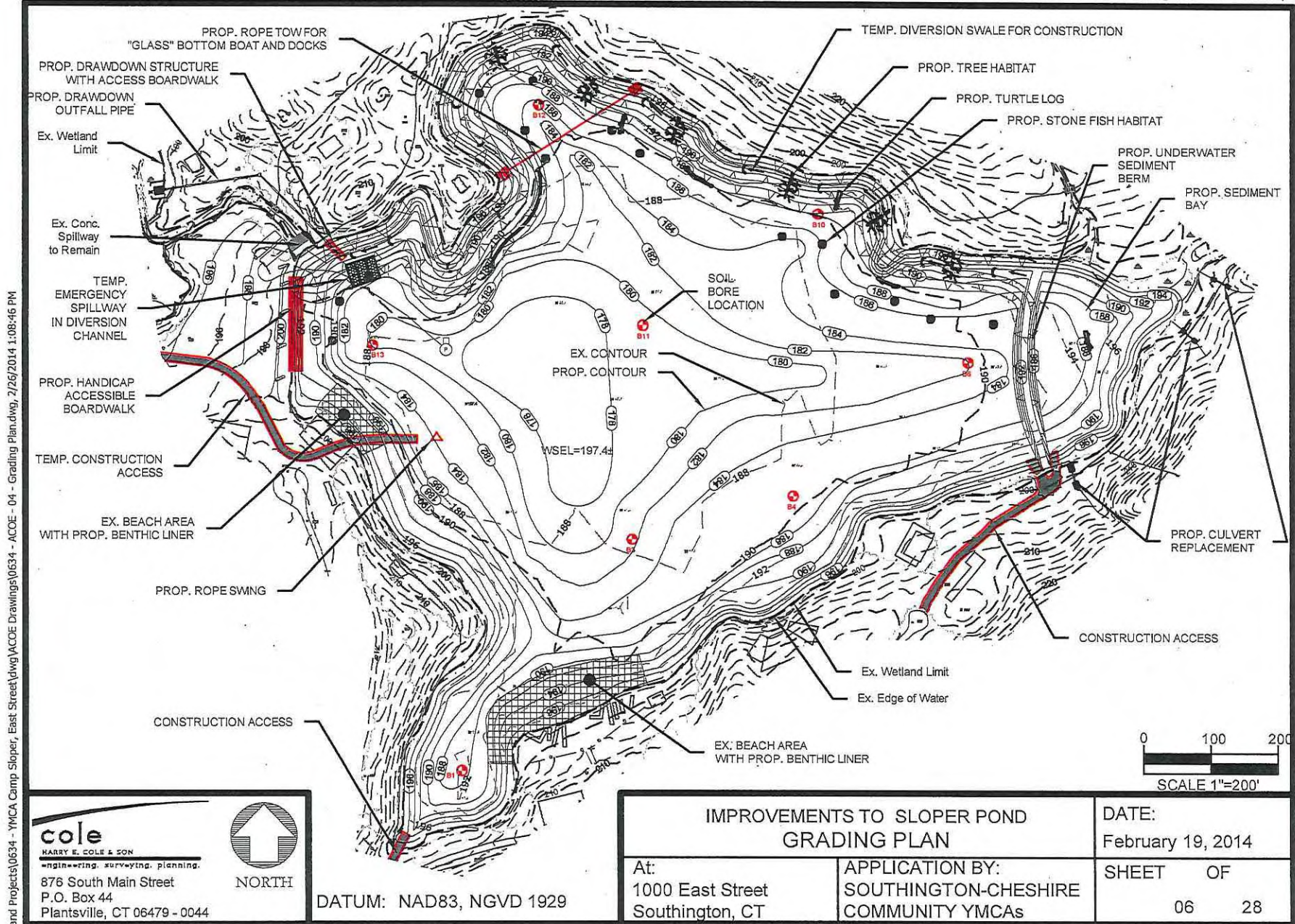
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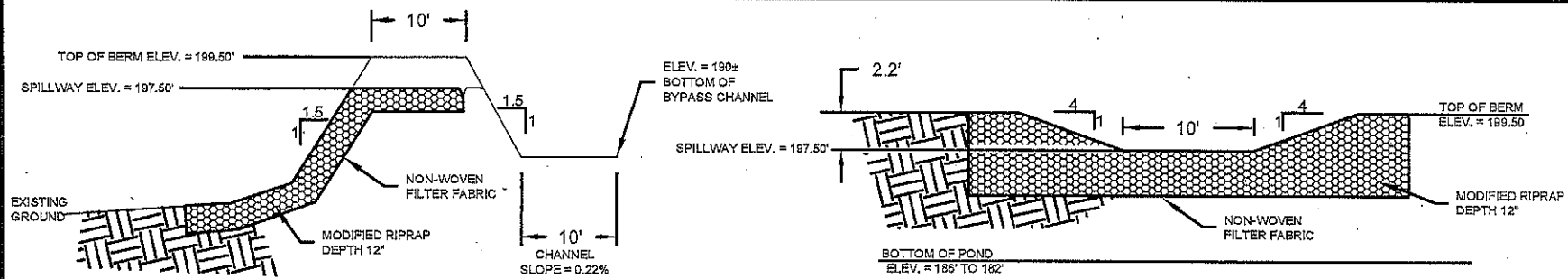
At:
1000 East Street
Southington, CT

APPLICATION BY:
SOUTHINGTON-CHESHIRE
COMMUNITY YMCAs

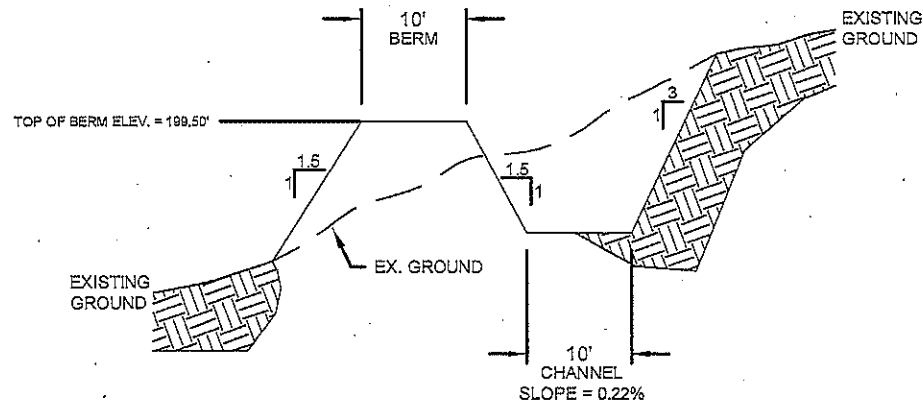
DATE:
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TEMPORARY EMERGENCY OVERFLOW
Located in Berm for Diversion Channel



TEMPORARY DIVERSION CHANNEL

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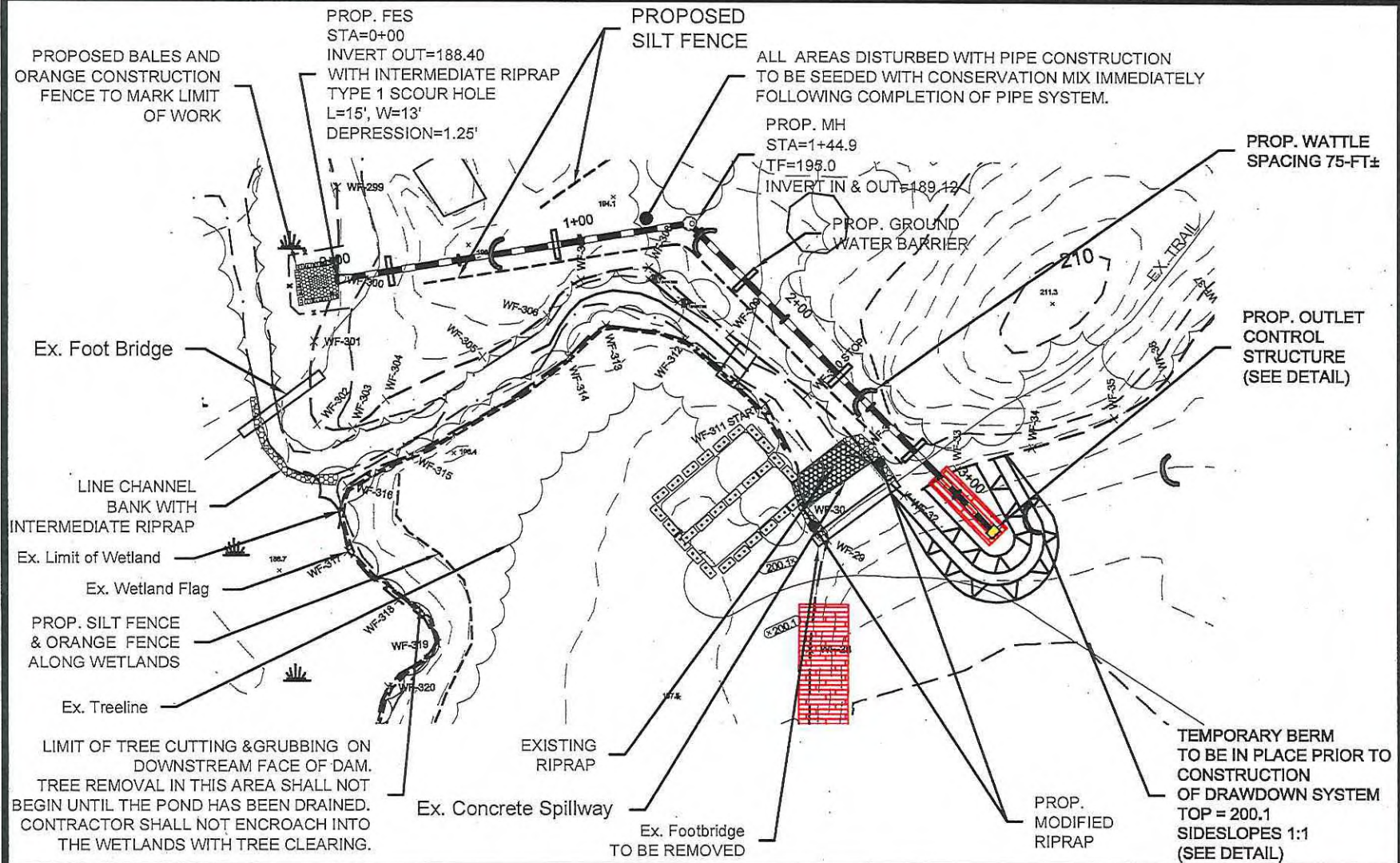
IMPROVEMENTS TO SLOPER POND
TEMPORARY BERM DETAIL

At:
1000 East Street
Southington, CT

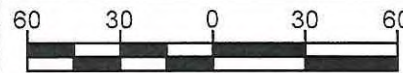
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COMMUNITY YMCAs

DATE:
February 19, 2014

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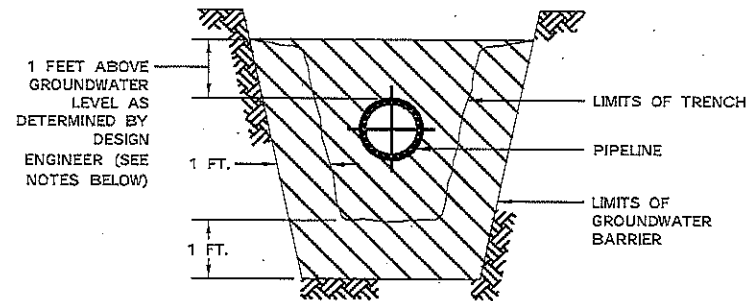
IMPROVEMENTS TO SLOPER POND OUTLET PIPE PLAN

At:
1000 East Street
Southington, CT

APPLICATION BY:
SOUTHINGTON-CHESHIRE
COMMUNITY YMCAs

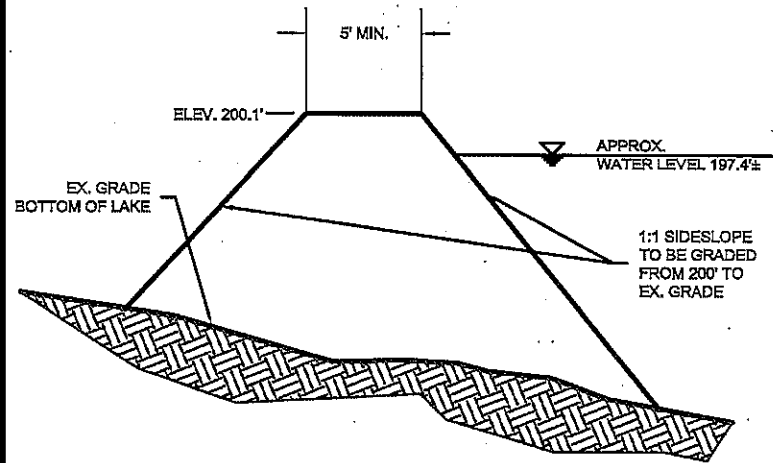
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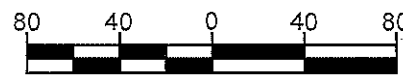


NOTES:

1. WALL EXTENDS A MINIMUM OF 12" INTO UNDISTURBED SOIL ON EACH SIDE AND ON BOTTOM OF TRENCH.
2. THE GROUNDWATER BARRIER SHALL EXTEND TO A POINT ONE FOOT ABOVE THE GROUNDWATER LEVEL.



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IMPROVEMENTS TO SLOPER POND OUTLET PIPE PROFILE

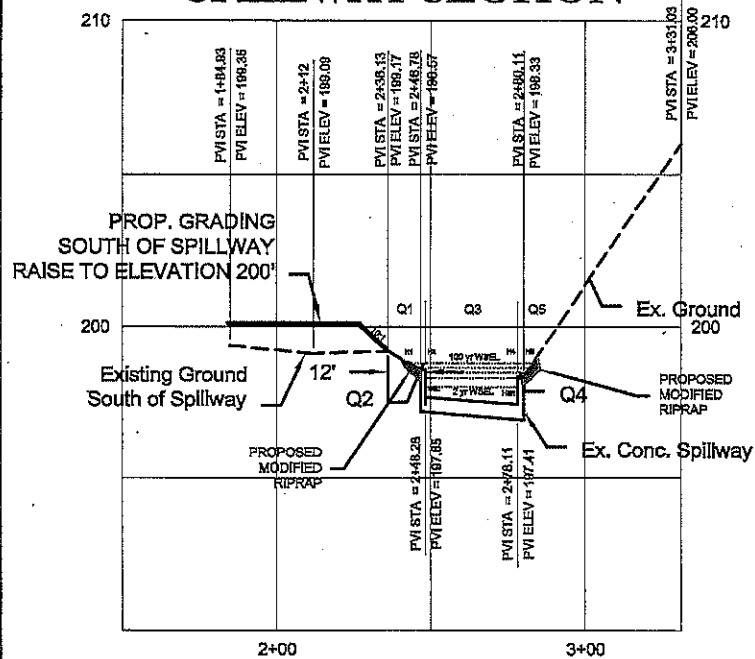
At:
1000 East Street
Southington, CT

APPLICATION BY:
SOUTHINGTON-CHESHIRE
COMMUNITY YMCAs

DATE:
February 19, 2014.

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| SHEET | OF |
| 09 | 28 |

SPILLWAY SECTION



HYDROLOGIC & HYDRAULIC DATA FOR YMCA CAMP SLOPER POND

| | | | | | |
|---|--------------------------|--------|--------|--------|---------|
| WATERSHED AREA: | 371.4 acres (0.58 sq-mi) | | | | |
| LAKE AREA: | 17.7 acres (0.03 sq-mi) | | | | |
| IMPOUNDMENT: | | | | | |
| BELOW SPILLWAY EL | 200.6 ac-ft | | | | |
| BELOW TOP OF DAM EL | 249.3 ac-ft | | | | |
| CLASSIFICATION OF DAM: | UNCLASSIFIED EARTH DAM | | | | |
| SPILLWAY DESIGN FLOOD: | 100 YR | | | | |
| SPILLWAY DISCHARGE DATA: (PROPOSED) | | | | | |
| CONDITION | 2 YR. | 10 YR. | 25 YR. | 50 YR. | 100 YR. |
| 24 HOUR PRECIP. (in) USGS CT StreamStats | 3.6 | 5.4 | 6.7 | 7.9 | 9.3 |
| PEAK INFLOW (cfs) | 40.89 | 88.19 | 115.88 | 140.92 | 166.51 |
| PEAK DISCHARGE (cfs) | 25.29 | 52.55 | 74.38 | 96.11 | 119.79 |
| WATER SURFACE EL. (ft) | 198 | 198.29 | 198.48 | 198.64 | 198.80 |
| DAM FREEBOARD (ft) | 2.00 | 1.71 | 1.52 | 1.36 | 1.20 |

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IMPROVEMENTS TO SLOPER POND SPILLWAY SECTION

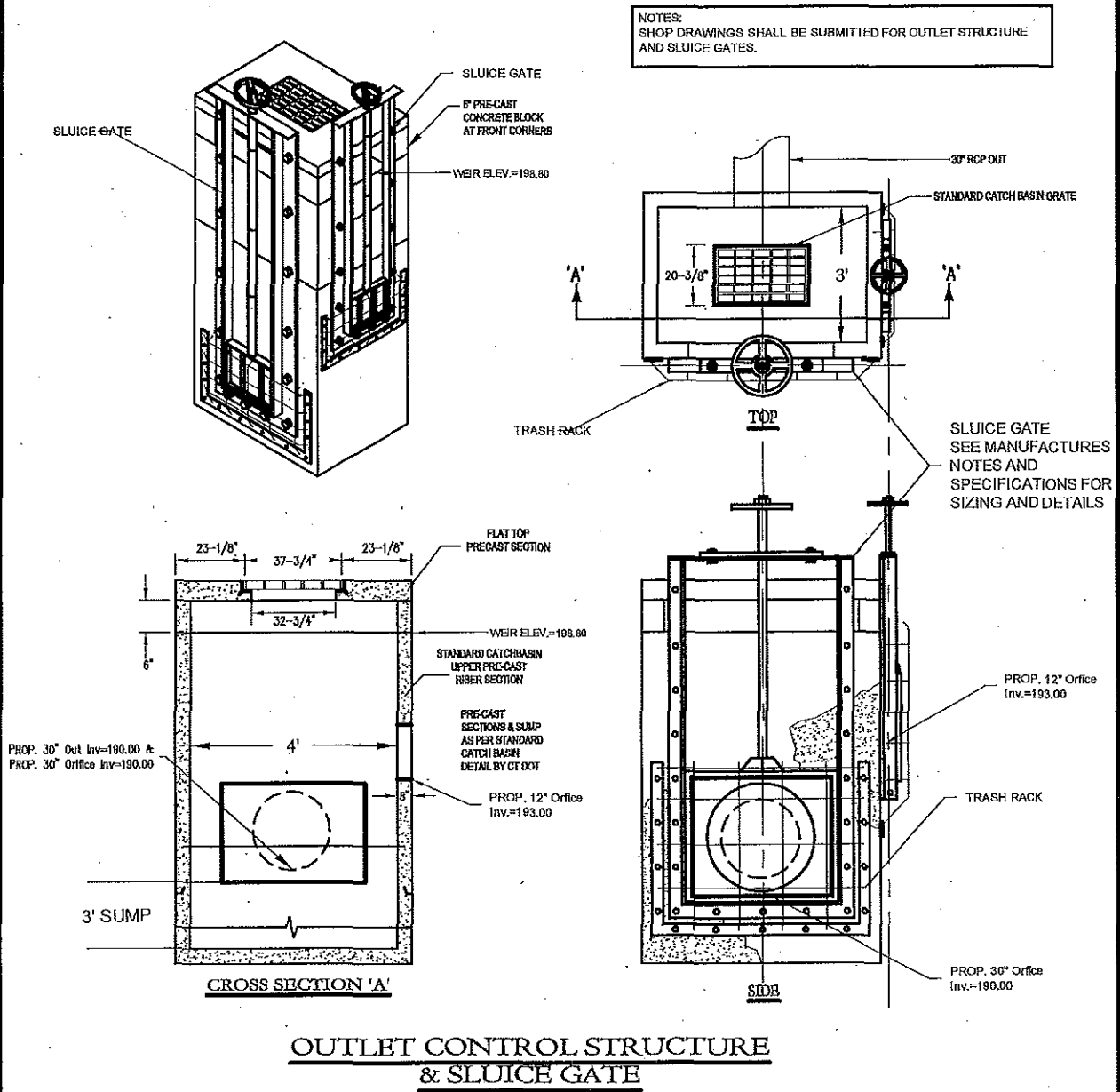
At:
1000 East Street
Southington, CT

APPLICATION BY:
SOUTHINGTON-CHESHIRE
COMMUNITY YMCAs

DATE:
February 19, 2014

SHEET OF
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DRAWING NAME: P:\Land Projects\0634 - YMCA Camp Sloper, East Street.dwg\ACOE Drawings\0634 - ACOE - 05 - Outfall.dwg PLOT DATE: Feb 26, 2014 - 1:09pm OPERATOR: brat



PURPOSE: Improve Water Quality and Maintain Recreational Uses

DATUM: NAD83, NGVD 1929

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DRAWDOWN STRUCTURE

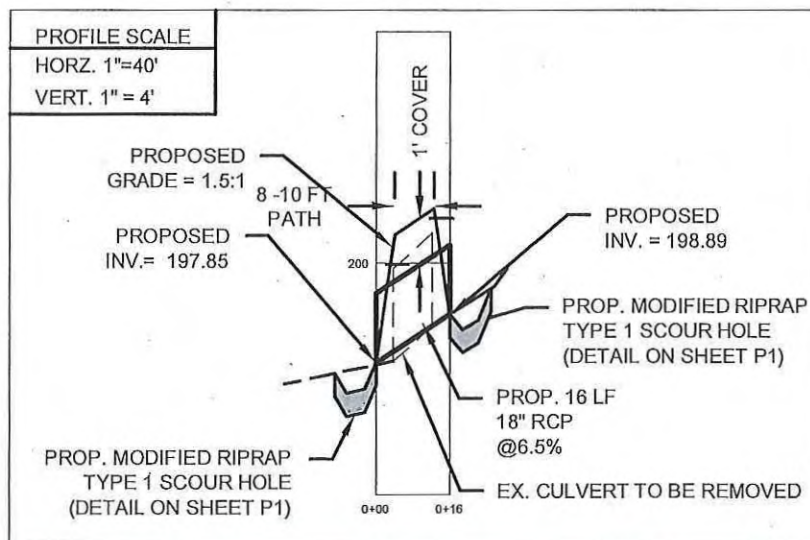
APPLICATION BY:
SOUTHINGTON-CHESHIRE
COMMUNITY YMCAs

IMPROVEMENTS TO
SLOPER POND

AT: 1000 East Street
Southington, CT

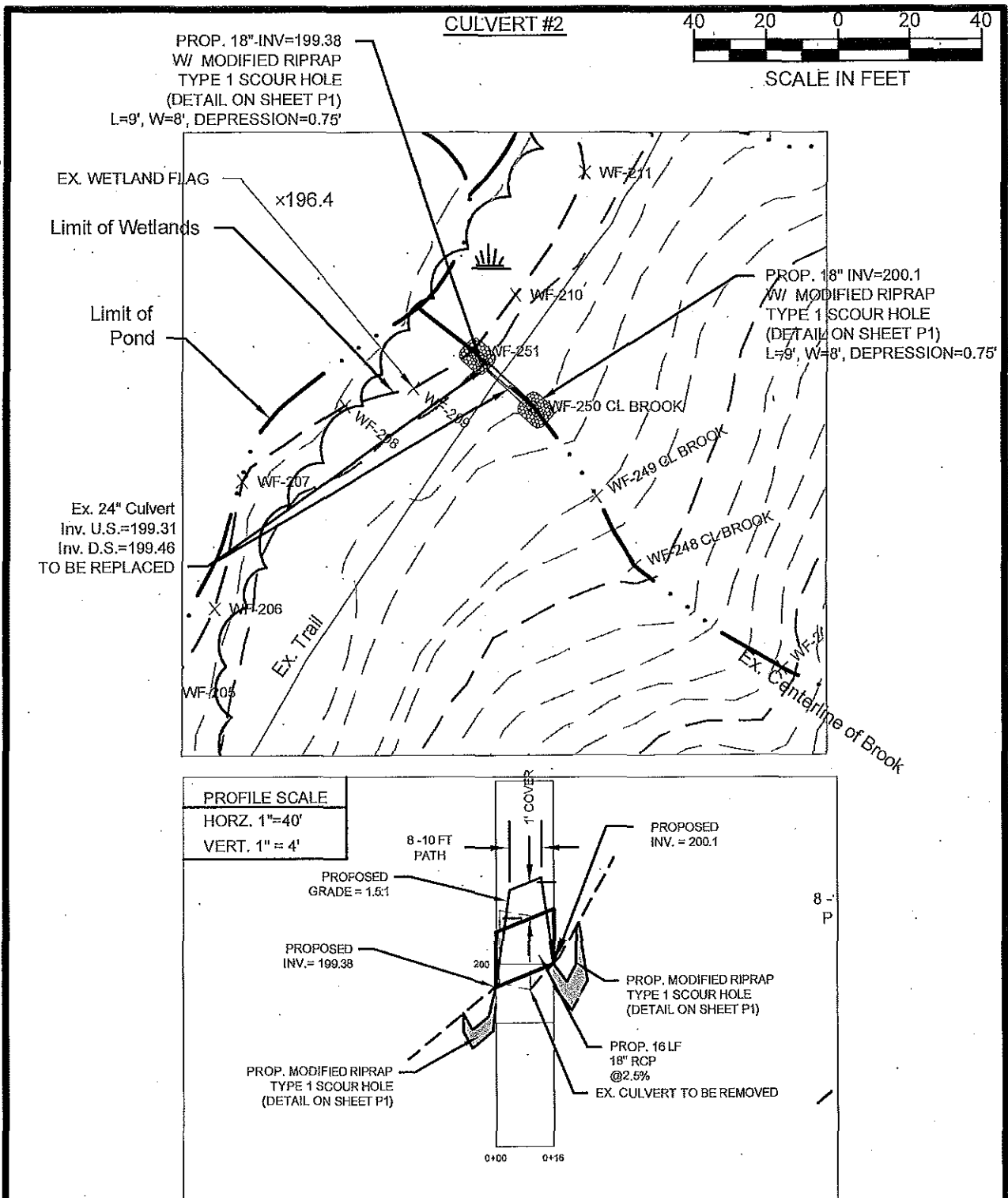
DATE: February 19, 2014

SHEET 11 OF 28



SHEET 12 OF 28

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CULVERT 2

APPLICATION BY:
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IMPROVEMENTS TO SLOPER POND

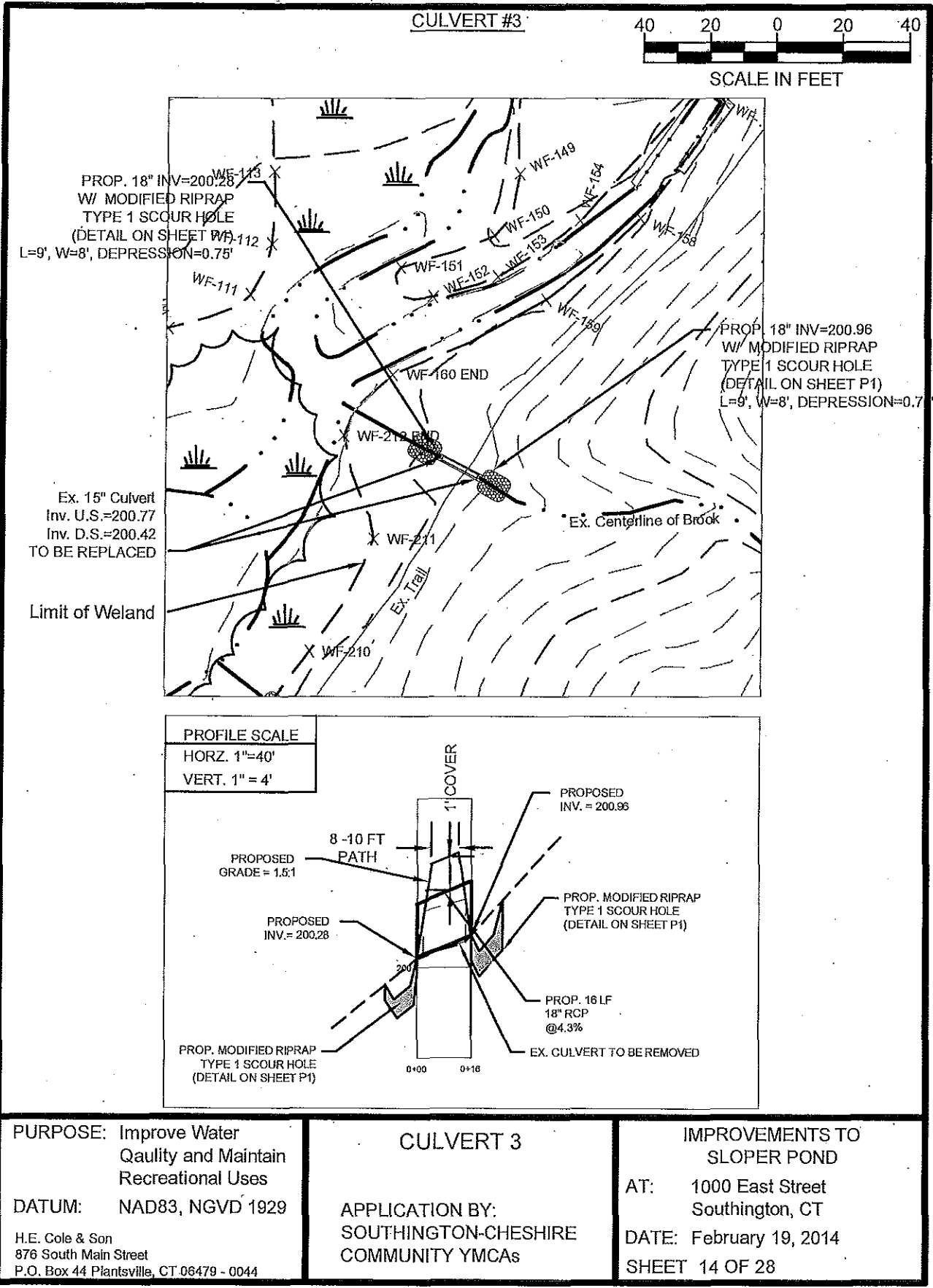
AT: 1000 East Street
Southington, CT

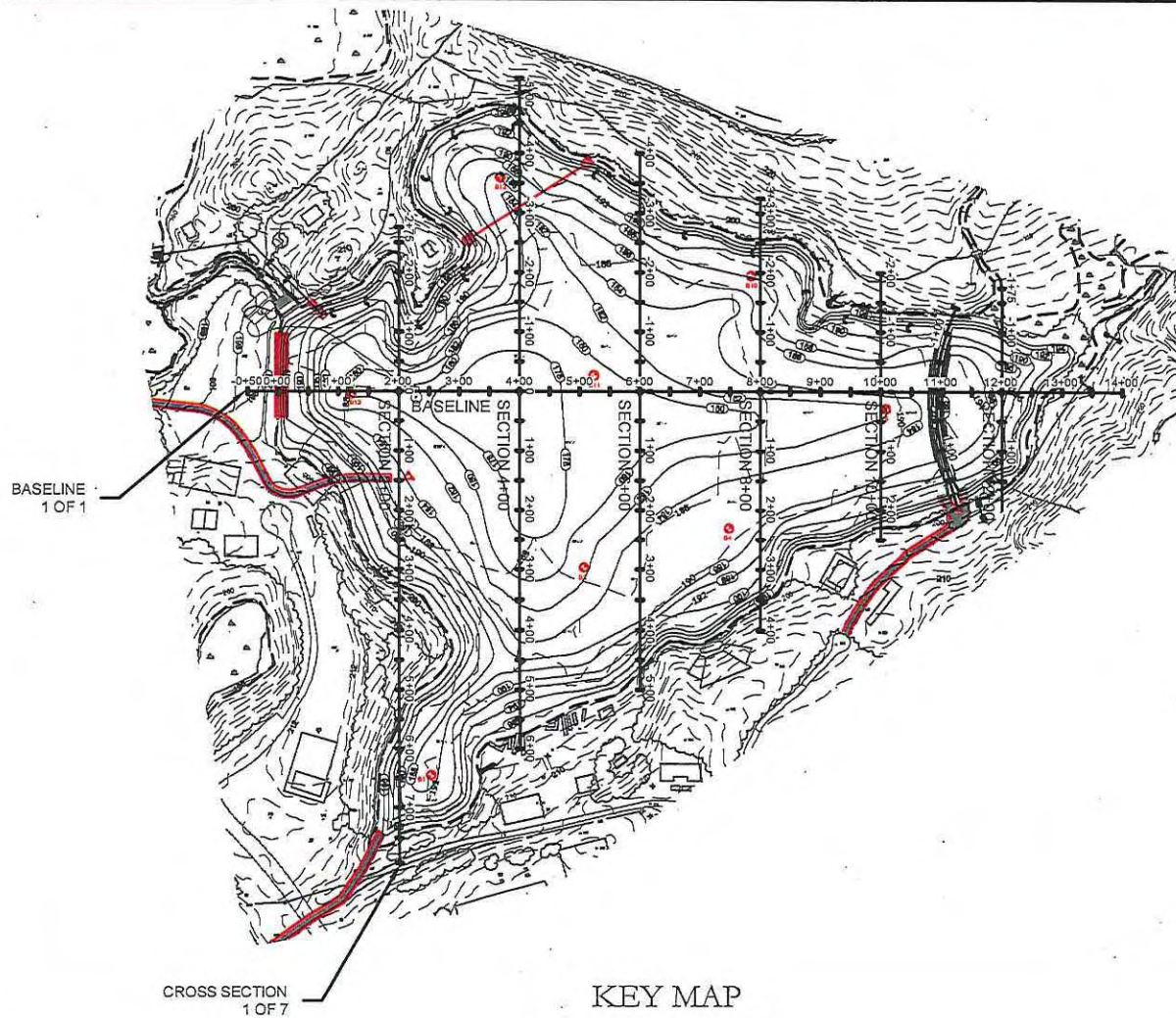
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SHEET 13 OF 28

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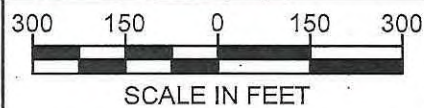
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KEY MAP

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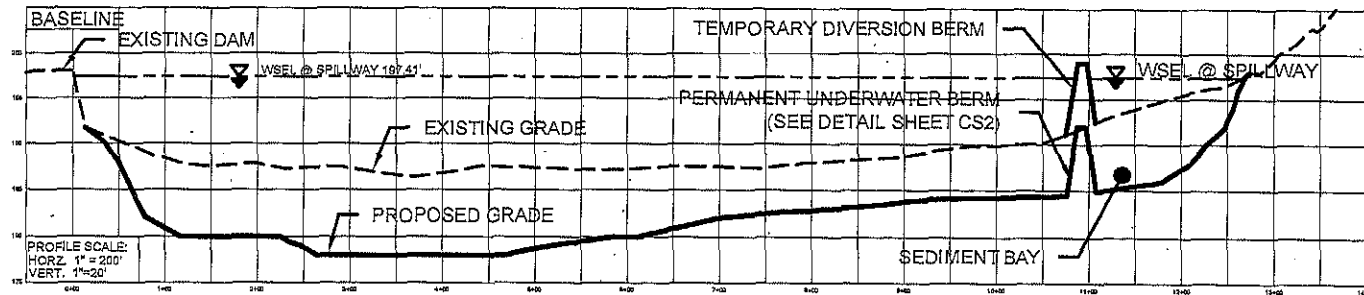
IMPROVEMENTS TO SLOPER POND CROSS SECTION KEYMAP

At:
1000 East Street
Southington, CT

APPLICATION BY:
SOUTHINGTON-CHESHIRE
COMMUNITY YMCAs

DATE:
February 19, 2014

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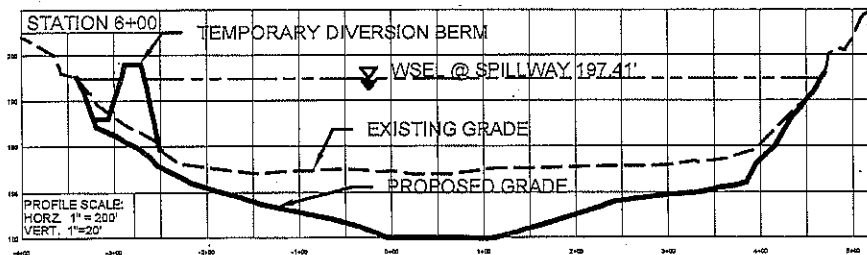
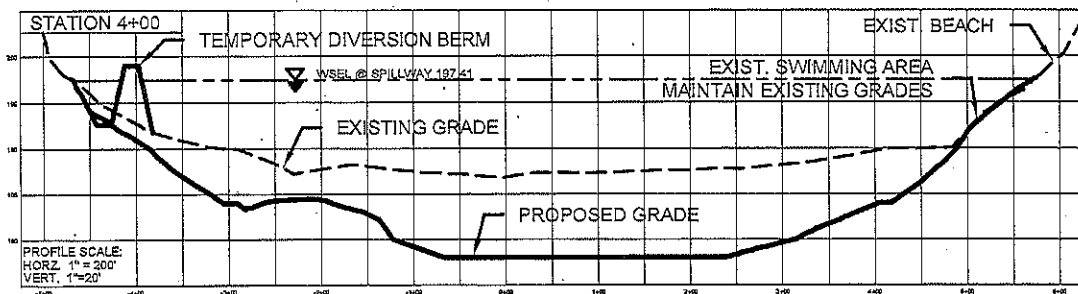
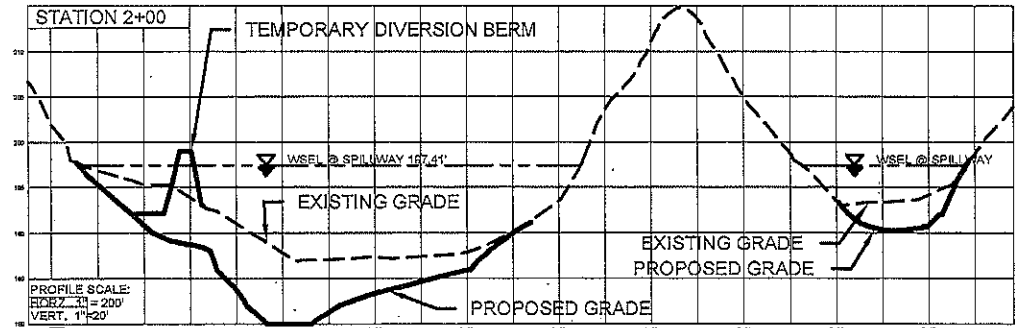
IMPROVEMENTS TO SLOPER POND BASELINE SECTION

At:
 1000 East Street
 Southington, CT

APPLICATION BY:
 SOUTHTON-CHESHIRE
 COMMUNITY YMCAs

DATE:
 February 19, 2014

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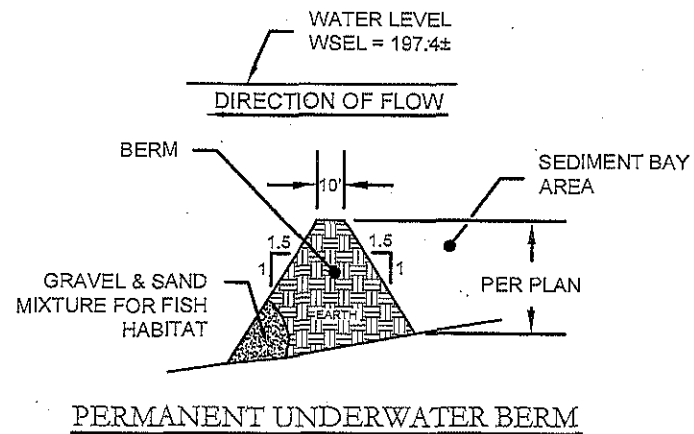
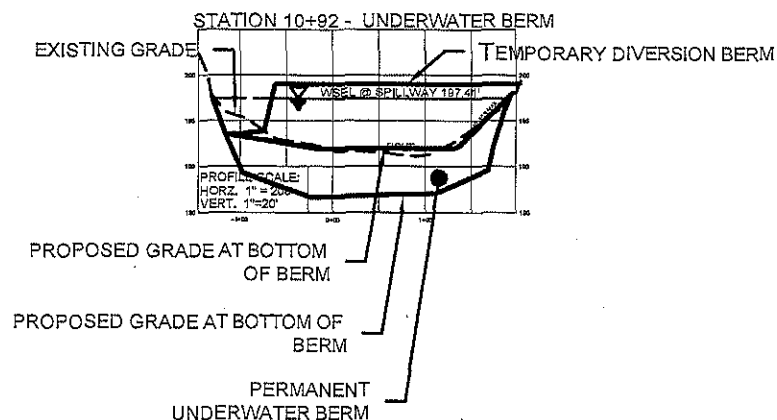
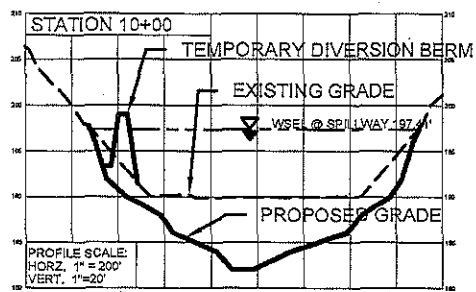
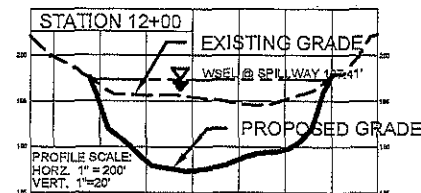
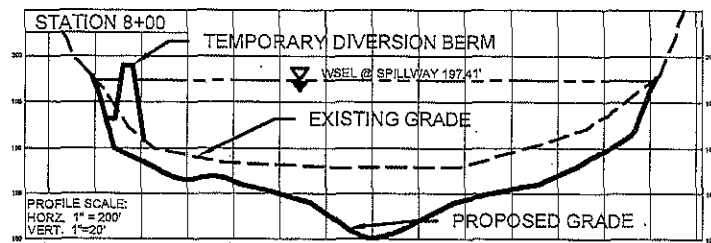
IMPROVEMENTS TO SLOPER POND CROSS SECTIONS

At:
1000 East Street
Southington, CT

APPLICATION BY:
SOUTHINGTON-CHESHIRE
COMMUNITY YMCAs

DATE:
February 19, 2014

SHEET OF
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DATUM: NAD83, NGVD 1929

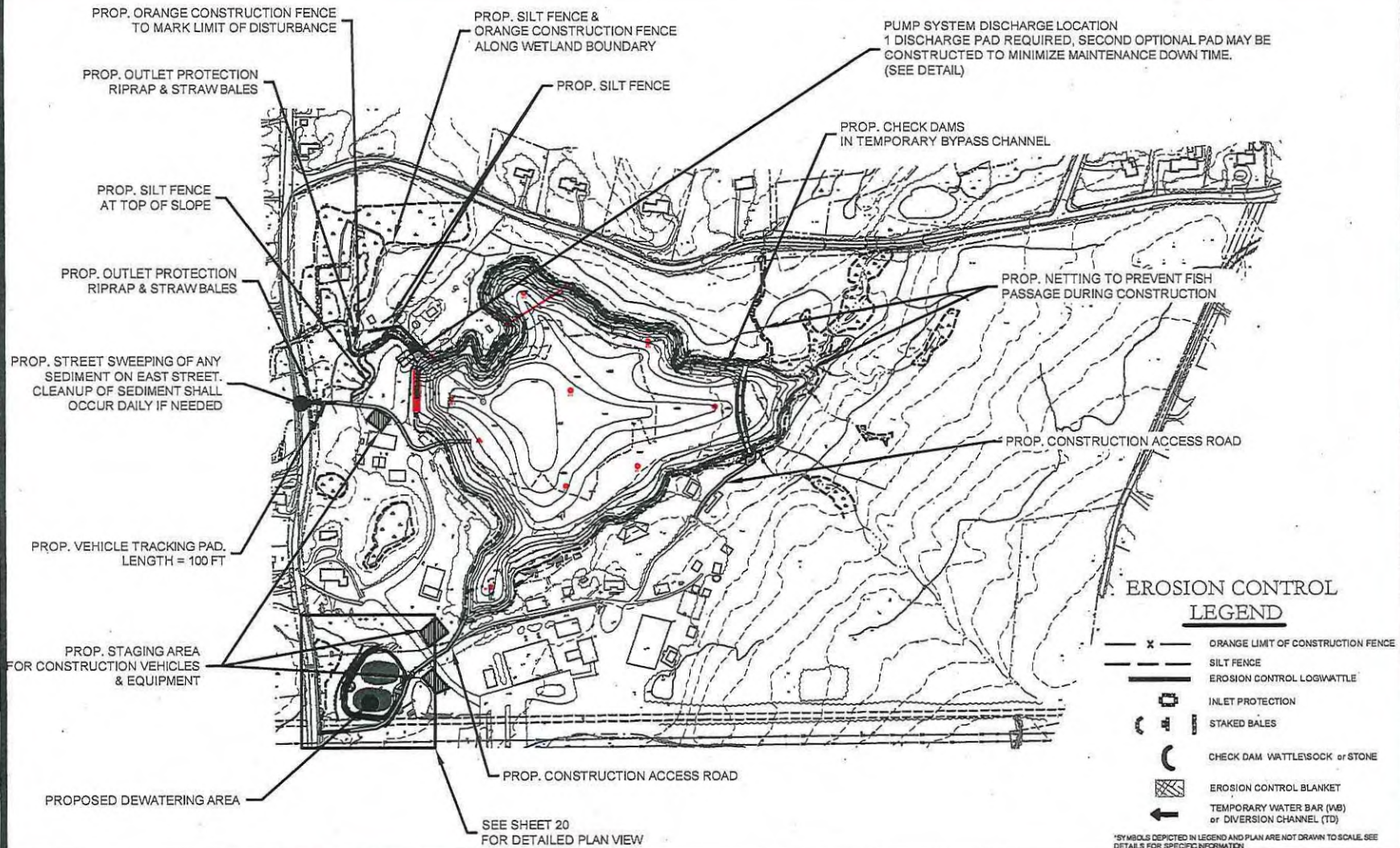
IMPROVEMENTS TO SLOPER POND CROSS SECTIONS

At:
1000 East Street
Southington, CT

APPLICATION BY:
SOUTHINGTON-CHESHIRE
COMMUNITY YMCAs

DATE:
February 19, 2014

SHEET OF
18 28



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engineering, surveying, planning.
876 South Main Street
P.O. Box 44
Plantsville, CT 06479 - 0044



SCALE IN FEET

DATUM: NAD83, NGVD 1929

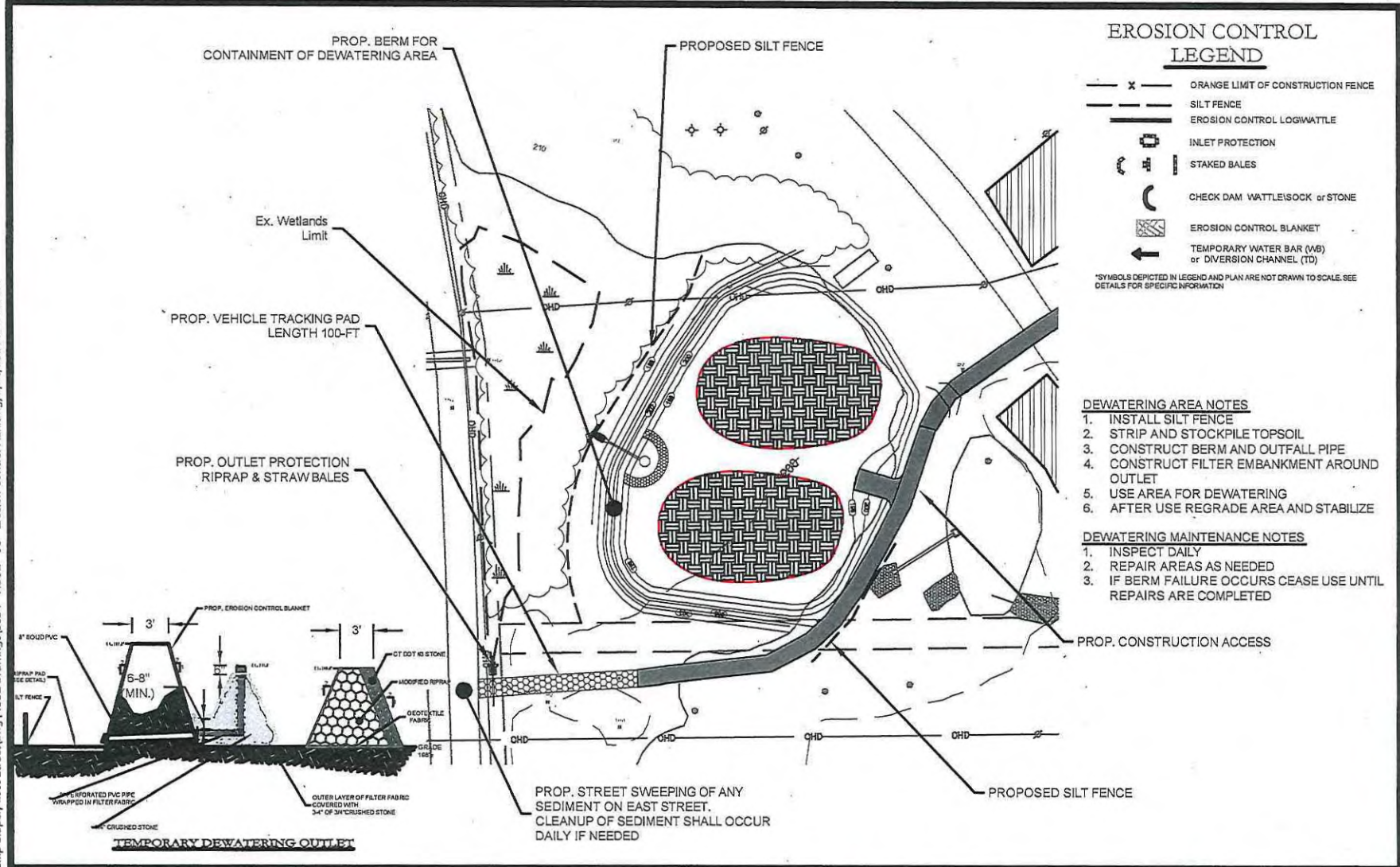
IMPROVEMENTS TO SLOPER POND EROSION & SEDIMENTATION PLAN

At:
1000 East Street
Southington, CT

APPLICATION BY:
SOUTHINGTON-CHESHIRE
COMMUNITY YMCAs

DATE:
February 19, 2014

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DATUM: NAD83, NGVD 1929

IMPROVEMENTS TO SLOPER POND DEWATERING AREA PLAN

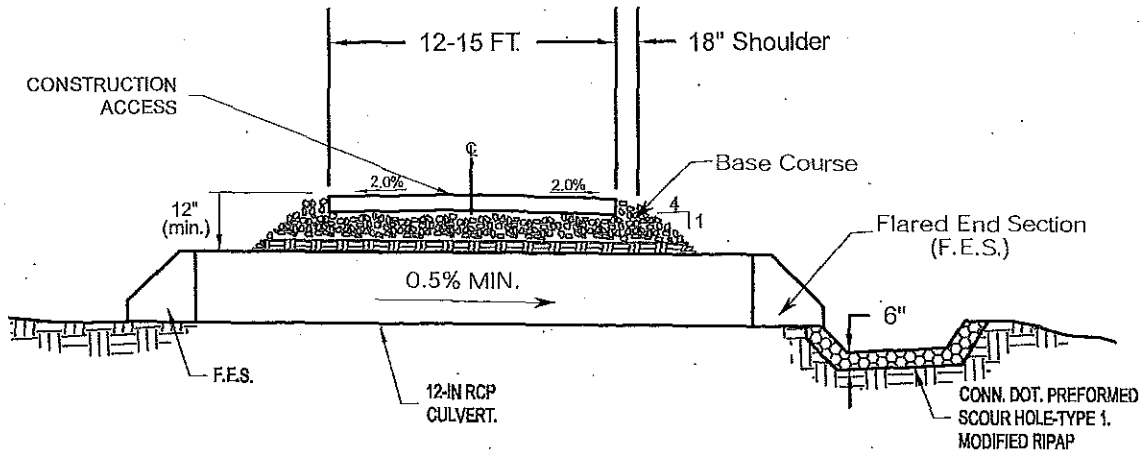
At:
1000 East Street
Southington, CT

APPLICATION BY:
SOUTHINGTON-CHESHIRE
COMMUNITY YMCAs

DATE:
February 19, 2014

SHEET OF
20 28

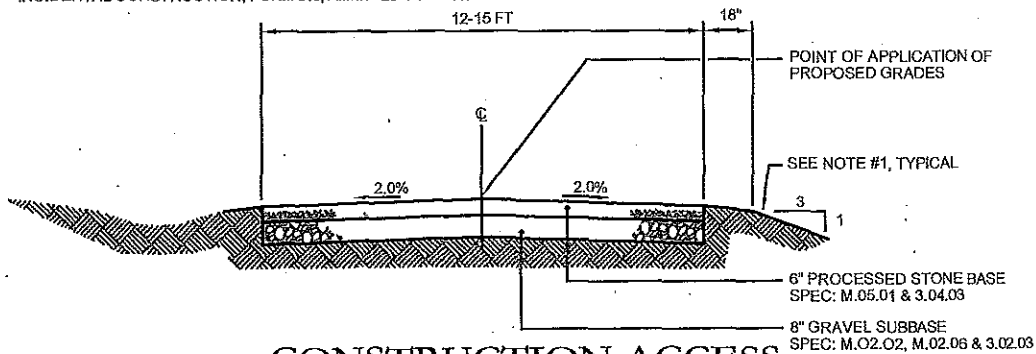
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CONSTRUCTION ACCESS CULVERT

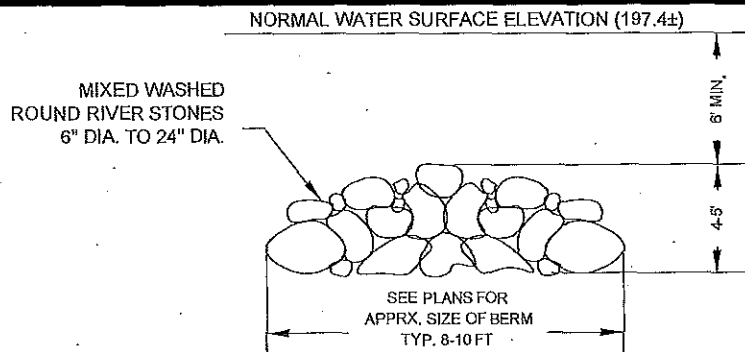
NOTES:

1. SIDE SLOPES TO BE STABILIZED WITH AN APPROVED METHOD AS SPECIFIED BY THE ENGINEER.
2. ALL DEPTHS ARE AS MEASURED AFTER COMPACTION
3. ALL SPEC'S ARE FROM THE STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION, STANDARD SPECIFICATIONS FOR ROADS, BRIDGES AND INCIDENTAL CONSTRUCTION, FORM 816, AMENDED TO DATE



CONSTRUCTION ACCESS

N.T.S.



FISH HABITAT STONE BERM DETAIL

NOT TO SCALE

PURPOSE: Improve Water Quality and Maintain Recreational Uses

DATUM: NAD83, NGVD 1929

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DETAILS

APPLICATION BY:
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COMMUNITY YMCAs

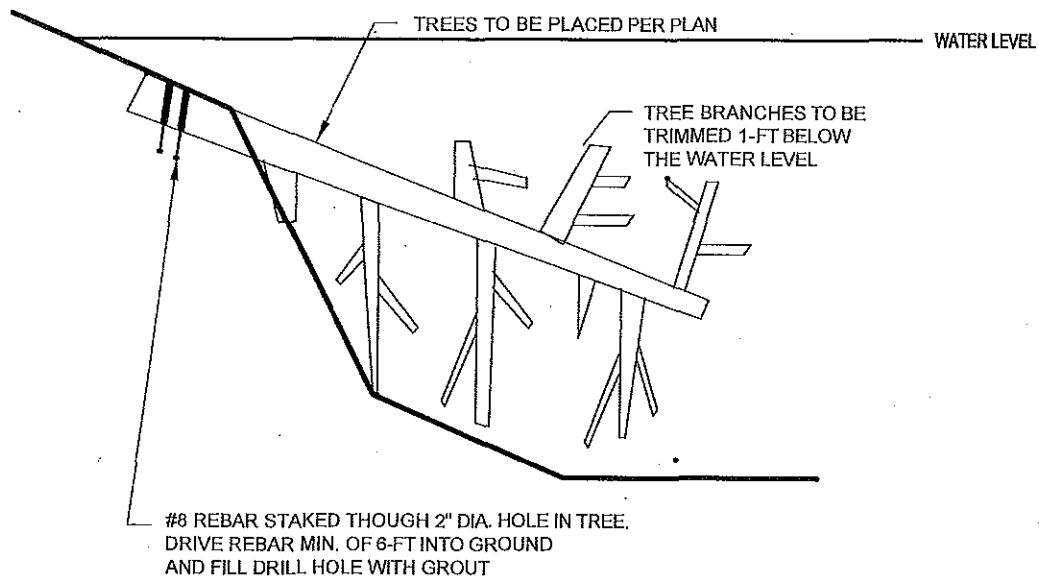
IMPROVEMENTS TO SLOPER POND

AT: 1000 East Street
Southington, CT

DATE: February 19, 2014

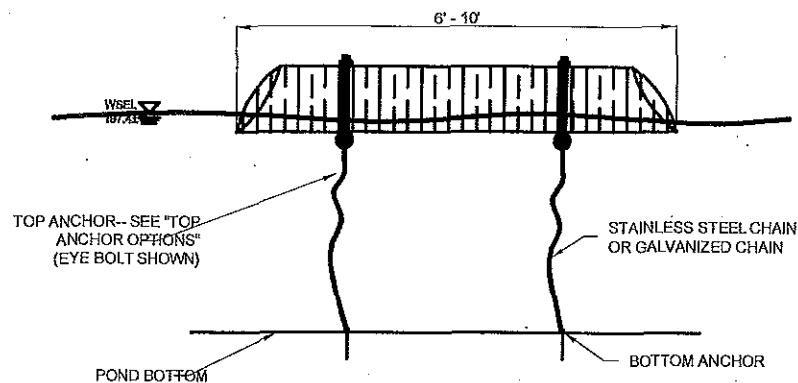
SHEET 21 OF 28

DRAWING NAME: P:\Land Projects\0634 - YMCA Camp Sloper, East Street\dwg\ACOE Drawings\0634 - ACOE - 09 - Details.dwg LAYOUT: DETAIL 29 PLOT DATE: Feb 26, 2014 - 11:23pm OPERATOR: brainj



NOTES:
EXISTING ONSITE HARDWOOD TREES TO BE CUT
AND USED FOR POND TREES. COORDINATE TREE
SELECTION WITH OWNER.

TREE DETAIL N.T.S.



BOTTOM ANCHOR OPTIONS

1. REBAR POUNDED INTO BOTTOM OF LAKE AND SECURED TO CHAIN
2. CHAIN WRAPPED AROUND LARGE ROCK
3. METAL BOAT STYLE ANCHOR SECURED TO CHAIN

TOP ANCHOR OPTIONS

1. EYE BOLT THROUGH LOG AND SECURED TO CHAIN
2. LOG NOTCHED AND CHAIN WRAPPED TIGHTLY AROUND AND SECURED

TURTLE LOG N.T.S.

PURPOSE: Improve Water
Quality and Maintain
Recreational Uses

DATUM: NAD83, NGVD 1929

H.E. Cole & Son
876 South Main Street
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DETAILS

APPLICATION BY:
SOUTHINGTON-CHESHIRE
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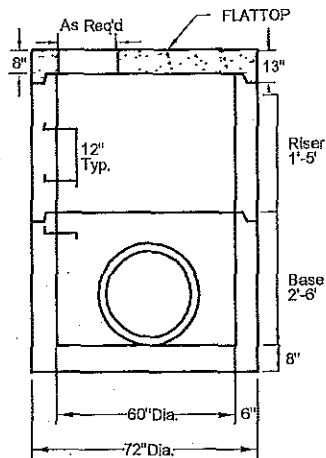
IMPROVEMENTS TO SLOPER POND

AT: 1000 East Street
Southington, CT

DATE: February 19, 2014

SHEET 22 OF 28

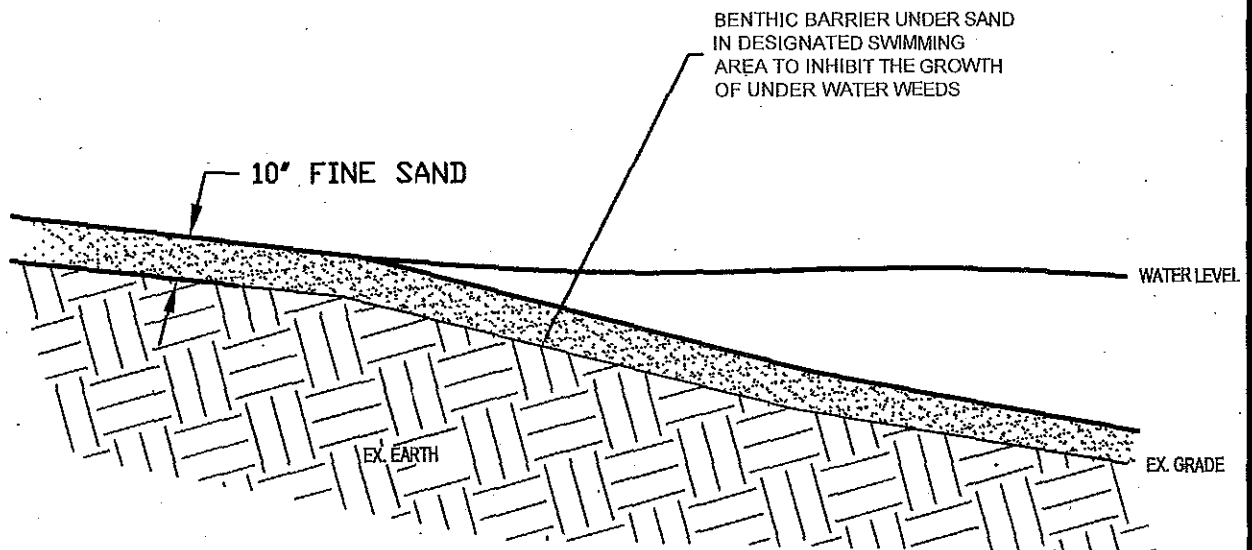
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Notes:

1. Reinforcing steel conforms to latest ASTM A185 Spec. 0.24 sq. in./lin ft. and 0.24 sq. in. (both ways) base bottom. Flat slab tops for AASHTO H20-44.
2. Reinforcing steel conforms to latest ASTM A185 Spec. 0.12 sq. in./lin. P8.
3. Concrete compressive strength - 4,000 PSI - 28 days.
4. Manhole design specifications conform to latest ASTM C478 Spec. for "Precast Concrete Manhole Sections".
5. One pour monolithic Base.
6. Steel Reinforced Copolymer Polypropylene plastic step (PS2-PFSL M.A. INDUSTRIES, INC.) conforms to latest ASTM C478 PARA-11.
7. Butyl Rubber Section Joint conforms to latest ASTM C443 SPEC and FEDERAL SPEC SS-S-210A.
8. When specified Manholes coated with KOPPERS SUPER SERVICE BLACK or equal.

PRECAST CONCRETE MANHOLE DETAIL
N.T.S.



BEACH & BENTHIC BARRIER

PURPOSE: Improve Water Quality and Maintain Recreational Uses

DATUM: NAD83, NGVD 1929

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DETAILS

APPLICATION BY:
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COMMUNITY YMCAs

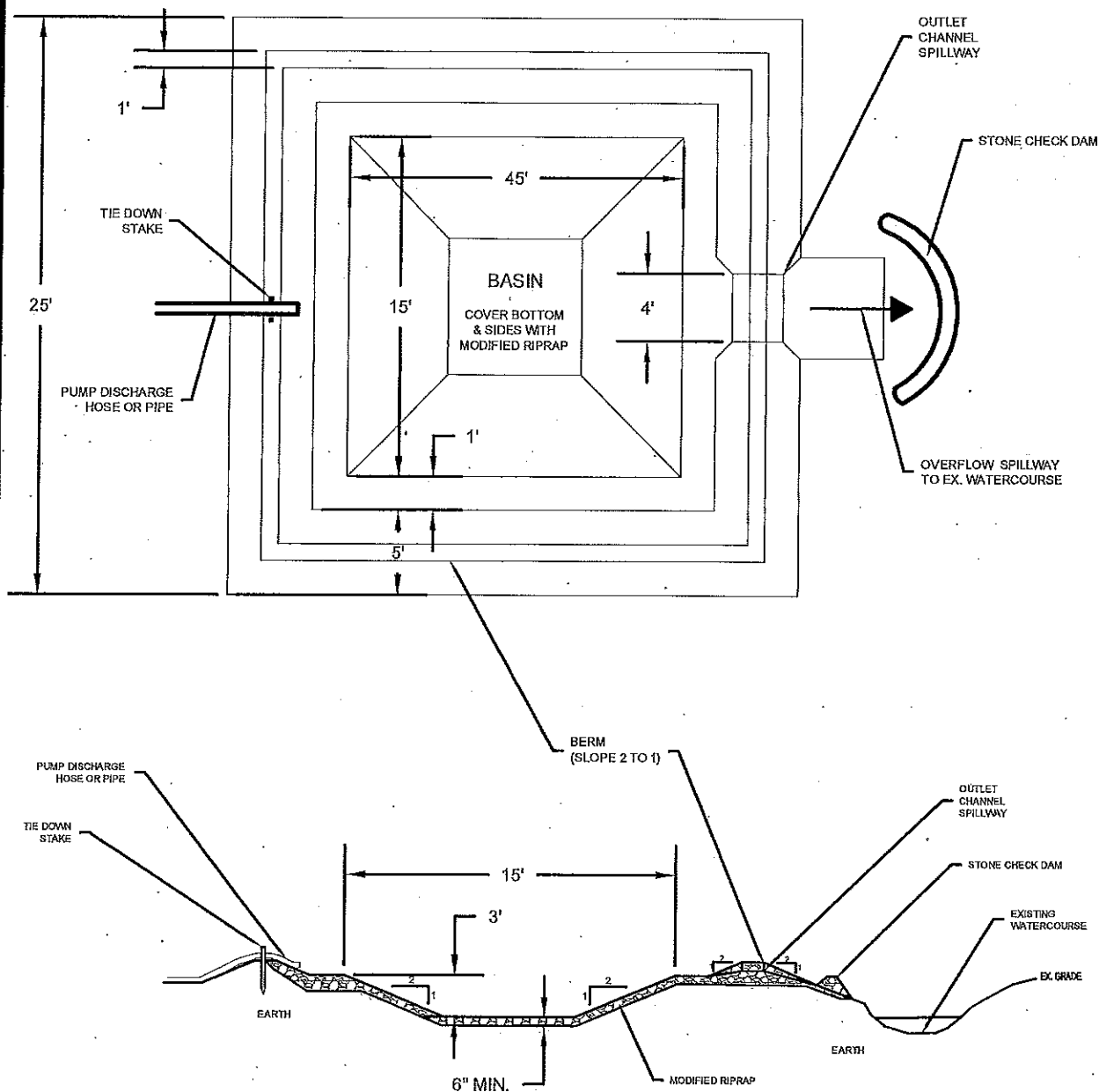
**IMPROVEMENTS TO
SLOPER POND**

AT: 1000 East Street
Southington, CT
DATE: February 19, 2014
SHEET 23 OF 28

DRAWING NAME: P:\Land Projects\0634 - YMCA Camp Sloper, East Street.dwg ACOE-09 - Details.dwg LAYOUT: DETAIL 31 PLOT DATE: Feb 26, 2014 - 1:13pm OPERATOR: haimj

NOTES:

1. CONTRACTOR TO SUBMIT SHOP DRAWINGS FOR PUMP DISCHARGE BASIN
2. IF PUMP DISCHARGE CONTAIN LARGE AMOUNTS OF SEDIMENT OR TURBIDITY LEVELS ARE HIGH A FILTER BAG SHALL BE USED ON PUMP DISCHARGES. THE NECESSITY FOR FILTER BAGS USE SHALL BE DETERMINED BY THE ENGINEER, OWNER AND OR SOUTHTON ENVIRONMENTAL PLANNER.
4. BASIN SIZING MAY VARY DEPENDING UPON PUMP RATES. SIZING SHALL BE DONE IN ACCORDANCE WITH SECTION 13 OF THE 2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL.
5. SETTLING BASIN AND OUTLET SPILLWAY TO BE BACKFILLED AT COMPLETION OF WORK AND AREA TO RECEIVE LOAM AND SEED.



PUMPING SETTLING BASIN

PURPOSE: Improve Water Quality and Maintain Recreational Uses

DATUM: NAD83, NGVD 1929

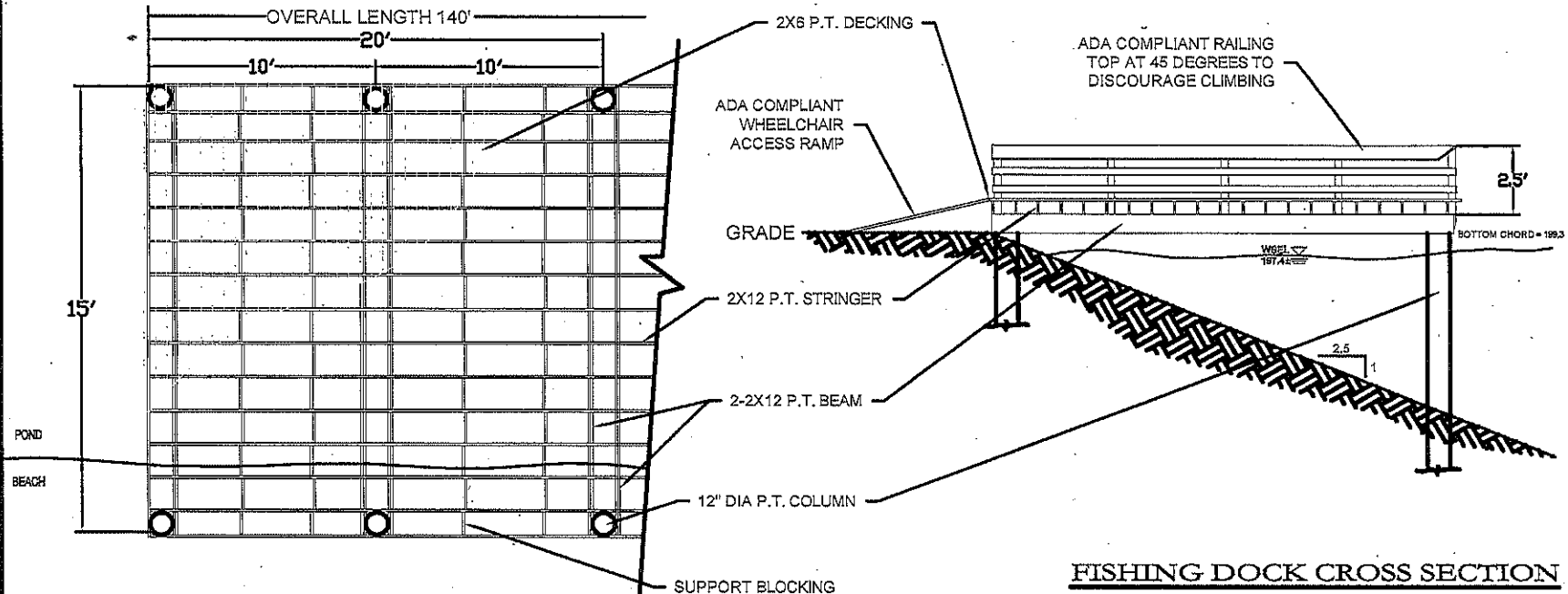
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DETAILS

APPLICATION BY:
SOUTHTON-CHESHIRE
COMMUNITY YMCAs

IMPROVEMENTS TO SLOPER POND

AT: 1000 East Street
Southington, CT
DATE: February 19, 2014
SHEET 24 OF 28



FIXED FISHING DOCK SECTION

FISHING DOCK CROSS SECTION

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SCALE IN FEET

DATUM: NAD83, NGVD 1929

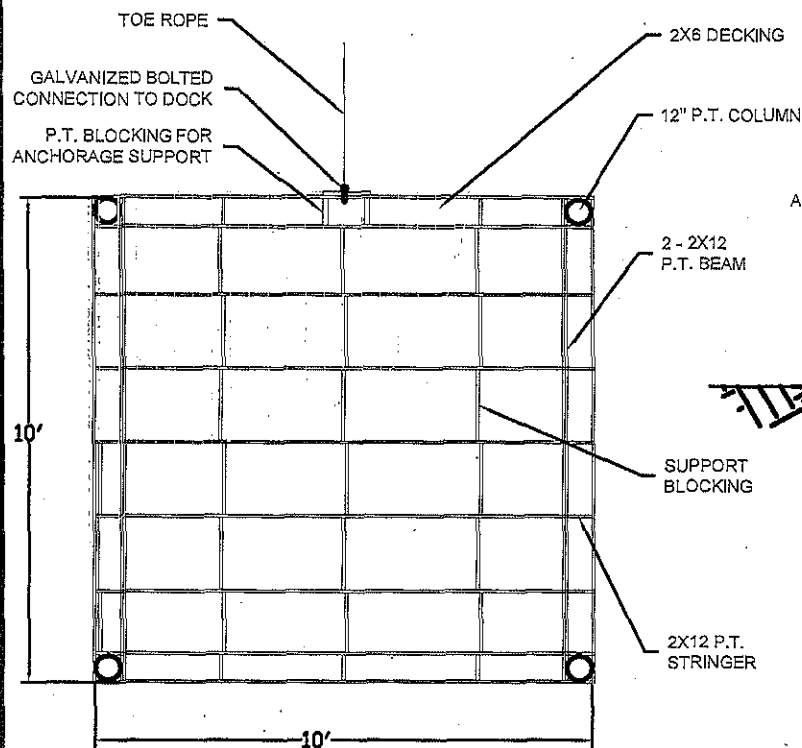
IMPROVEMENTS TO SLOPER POND
DETAILS

At:
1000 East Street
Southington, CT

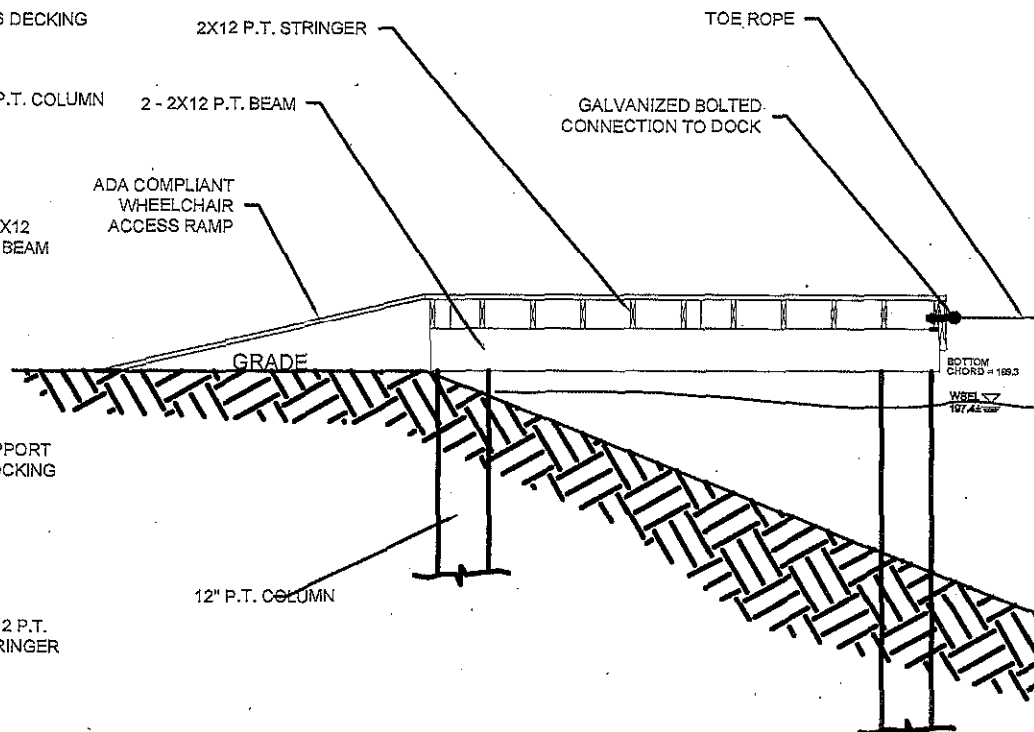
APPLICATION BY:
SOUTHINGTON-CHESHIRE
COMMUNITY YMCAs

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February 19, 2014

SHEET OF
25 28



10 X 10 FIXED ROPE TOE DOCK



CROSS SECTION 10 X 10 FIXED ROPE TOE DOCK

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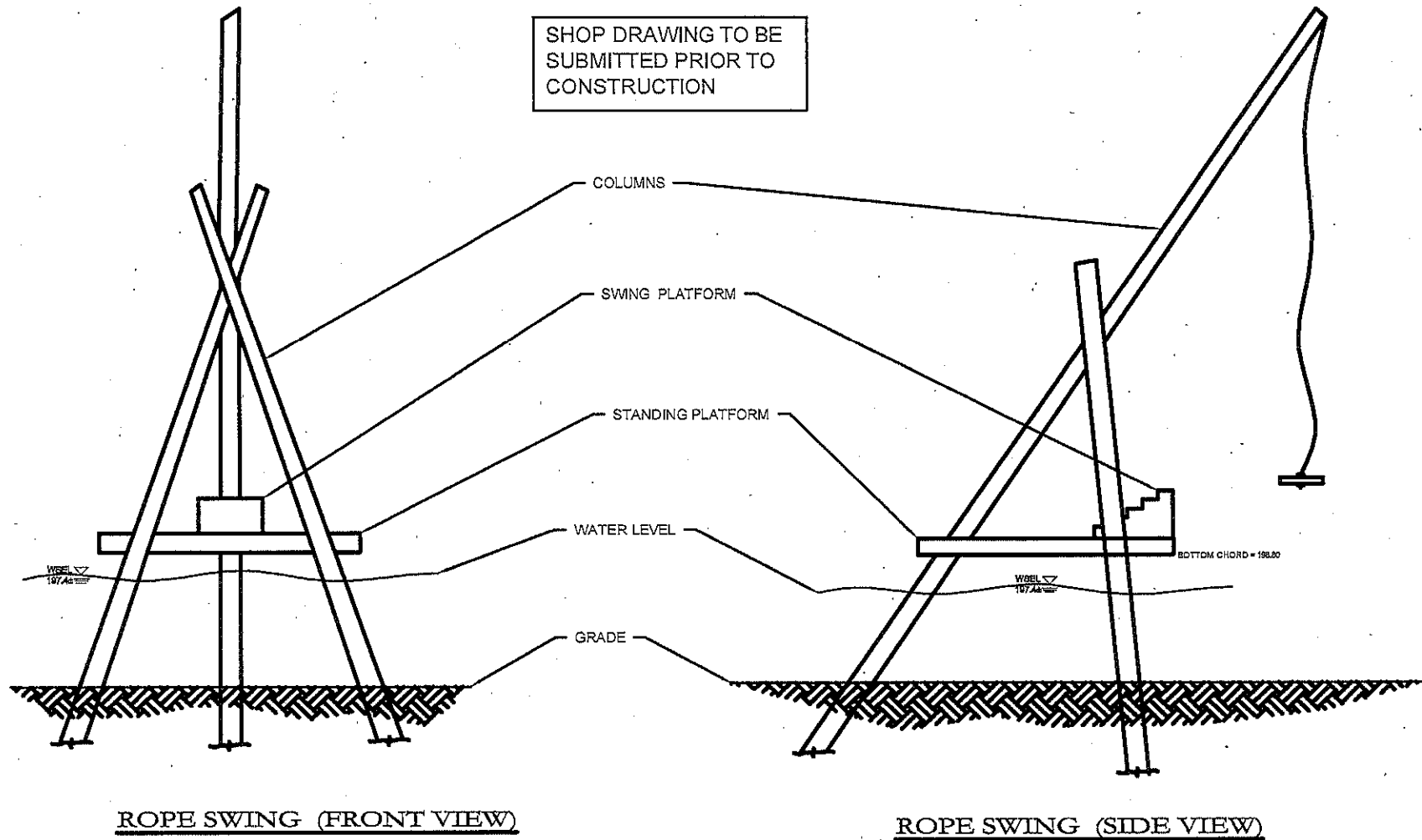
**IMPROVEMENTS TO SLOPER POND
DETAILS**

At:
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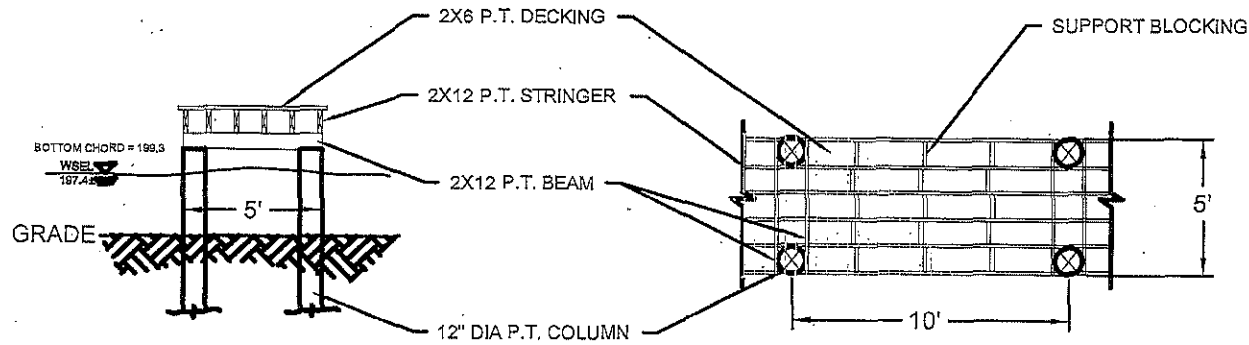
IMPROVEMENTS TO SLOPER POND DETAILS

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February 19, 2014

SHEET OF
27 28



BOARDWALK TO DRAWDOWN STRUCTURE

1. ALL LUMBER TO BE PRESSURE TREATED SOUTHERN YELLOW PINE
2. ALL LUMBER TO MEET NO.2 GRADE REQUIREMENT AND A MOISTURE CONTENT OF KD19
3. ALL LUMBER TO TREATED WITH APPROVED WATERBORNE PRESERVATIVE
4. ALL FASTENERS, HANGERS, AND OTHER FORMS OF CONNECTIVE HARDWARE TO BE OF A CORROSION RESISTANT MATERIAL

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28 28