

Public Notice

U.S. Army Corps of Engineers

In Reply to Application Number CENAB-OPR-P-2009-00437 (Brushville Lake Dam Project)

Baltimore District

PN-15-29 Comment Period: May 6, 2015 to June 5, 2015

THE PURPOSE OF THIS PUBLIC NOTICE IS TO SOLICIT COMMENTS FROM THE PUBLIC REGARDING THE WORK DESCRIBED BELOW. NO DECISION HAS BEEN MADE AS TO WHETHER OR NOT A PERMIT WILL BE ISSUED AT THIS TIME.

This District has received an application for a Department of the Army permit pursuant to Section 10 of the Rivers and Harbors Act of 1899 and/or Section 404 of the Clean Water Act (33. U.S.C. 1344) as described below:

APPLICANT: Mr. Jerrold A. Griffs

108 Mountain Pink Road

Bloomsburg Pennsylvania 17815

WATERWAY AND LOCATION OF THE PROPOSED WORK: Brushville Lake Dam is located in Brushville, Oakland Township, Susquehanna County, Pennsylvania, near the intersection of East Lake Road and Brushville Road. Brushville Lake is part of the Lewis Creek watershed.

PROPOSED WORK AND PURPOSE: In 2004, Brushville Lake Dam was washed out during a major storm event. The property owner, Mr. Jerrold Griffis, is proposing to reconstruct Brushville Lake Dam by installing/constructing: (1) an earthen dam with a clay core; (2) a reinforced concrete spillway; (3) a 24 inches x 36 inches concrete culvert box with gate valve; (4) rip rap protection; (5) multiple deep pool areas within the original impoundment area for the creation of aquatic habitat and a deep pool for diving; and (6) the creation of two islands within the lake area. The entire project site consists of approximately 23 acres.

The proposed project would have the following impacts:

Permanent Impacts:

- 1. Above the ordinary high water mark of Brushville Lake and within the construction Limit of Disturbance, as depicted on project plans, 2,800 square feet of uplands will be impacted for the reconstruction of the dam, which includes the concrete wing walls and concrete spillway. The concrete spillway is 40 feet long along the dam breast, 10 feet wide and extends 50 feet downstream. The emergency discharge is a 2 feet x 2 feet valve box.
- 2. Below the ordinary high water mark of Brushville Lake, 212,207 square feet of the lake bottom will be impacted by grading areas to create two islands and to make areas deeper for fish habitat.
- 3. 18,100 square feet of the impoundment area will be filled to create islands within the lake. The islands will be constructed to be uplands, and extend 2 feet above the water elevation of 1328 feet. An additional area approximately 137,000 square feet in size will be excavated to create areas deeper than the existing lake bottom elevation of 1325 feet. The purpose of the islands and deeper areas is to create additional areas for fish habitat.

Temporary Impacts:

1. Above the normal high water mark of Brushville Lake (uplands) and within the construction Limit of Disturbance, 37,660 square feet will be impacted during construction of the staging area and grading for the dam spillway. 34,860 square feet of this area will be restored to original condition, while 2,800 square feet will be the permanently impacted by the concrete wing walls and spillway.

Mitigation Statement: The following Mitigation Statement has been provided by the applicant: A general Erosion and Sediment Pollution Control Plan was developed for the Brushville Lake Dam Reconstruction Project to address and avoid impacts to the surrounding environment. Approximately 18,100 square feet will be newly created islands in the lake, uplands, 2 feet above the water elevation of 1328 feet, while approximately 137,000 square feet will be dug out deeper than the existing lake bottom elevation of 1325 feet. The purpose of the islands and deeper areas is to create additional areas for fish habitat. By creating islands, the fish will have additional areas to hide and lay their eggs along the shore in between the gravel, as well as along the banks of the lake, so that the other fish will not eat the eggs. When they hatch, the fish are safer in the heavy warm water where the other fish are less likely to go and eat them. The deeper areas are not only cooler but more oxygen rich for the fish and the fish will be less likely to be eaten by other fish when in the deeper areas. By creating additional areas for the fish to lay eggs and be protected from the other fish in the lake, the fish population will grow and the lake will be balanced. The open water was always open water, no wetland studies were completed. All Erosion and Sediment Control Best Management Practices will be followed to avoid impacts to the surrounding environment when re-establishing the lake and dam. All work will occur within the Limit of Disturbance shown on the Plan and within the historic high water mark of Brushville Lake. No mitigation is proposed because the Owner is re-establishing the lake and dam with the goal of returning natural functions and characteristics inside the existing high water level. No negative environmental impacts are proposed during re-establishing the lake and dam because the work within the lake will be done prior to the construction of the dam, therefore, no water will be disturbed to cause unavoidable adverse effects to the existing surrounding habitat.

All work is proposed to be completed in accordance with the enclosed plan(s). If you have any questions concerning this matter, please contact Ms. Brittany Seguin at 814-235-1765, brittany.seguin@usace.army.mil, or State College Field Office, 1601 South Atherton Street, State College Pennsylvania 16801.

The decision whether to issue a permit will be based on an evaluation of the probable impacts, including cumulative impacts 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 reasonable may be expected to 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, economic, aesthetics, general environmental concerns, wetlands, cultural values, fish and wildlife values, flood hazards, flood plain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs, and consideration of property ownership 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 provided will become part of the public record for this action. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity. Written comments concerning the work described above related to the factors listed above or other pertinent factors must be received by the District Engineer, U.S. Army Corps of Engineers, Baltimore District, ATTN: Ms Brittany Seguin, U.S. Army Corps of Engineers, Regulatory, 1601 S. Atherton Street, State College Pennsylvania 16801 within the comment period specified above.

ESSENTIAL FISH HABITAT: The Magnuson-Stevens Fishery Conservation and Management Act (MSFCMA), as amended by the Sustainable Fisheries Act of 1996 (Public Law 04-267), requires all Federal agencies to consult with the National Marine Fisheries Service (NMFS) on all actions, or proposed actions, permitted, funded, or undertaken by the agency that may adversely effect Essential Fish Habitat (EFH). The Corps has determined this project will not affect any EFH.

WATER QUALITY CERTIFICATION: The applicant is required to obtain a water quality certification in accordance with Section 401 of the Clean Water Act from the Pennsylvania Department of Environmental Protection. The Section 401 certifying agency has a statutory limit of one year from the date of this public notice to make its decision.

COASTAL ZONE MANAGEMENT PROGRAMS: Where applicable, the applicant has certified in this application that the proposed activity complies with and will be conducted in a manner consistent with the approved Coastal Zone Management (CZM) Program. By this public notice, we are requesting the State concurrence or objection to the applicant's consistency statement. It should be noted that the CZM Program has a statutory limit of 6 months to make its consistency determination.

The applicant must obtain any State or local government permits which may be required.

A preliminary review of this application indicates that the proposed work will not affect Federal listed threatened or endangered species or their critical habitat, pursuant to Section 7 of the Endangered Species Act, as amended. Additionally, a Pennsylvania Natural Diversity Review was performed on July 24, 2013 with the search resulting in no anticipated impacts to Federally listed threatened or endangered species. As the evaluation of this application continues, additional information may become available which could modify this preliminary determination.

Review of the latest published version of the National Register of Historic Places indicates that no registered properties listed as eligible for inclusion, therein, are located at the site of the proposed work. Additionally, the applicant coordinated with the Pennsylvania Historical and Museum Commission (PHMC), and in correspondence dated September 19, 2013, ER No. 13-2168-015-A, the PHMC determined that the project will have no effect on historic properties. Currently unknown archeological, scientific, prehistoric, or historical data may be lost or destroyed by the work to be accomplished under the request permit.

The evaluation of the impact of this project on the public interest will include application of the guidelines promulgated by the Administrator, U.S. Environmental Protection Agency, under authority of Section 404 of the Clean Water Act.

Any person who has an interest which may be adversely affected by the issuance of this permit may request a public hearing. The request, which must be in writing, must be received by the District Engineer, U.S. Army Corps of Engineers, Baltimore District, ATTN: Ms. Brittany Seguin, State College Field Office, 1601 South Atherton Street, State College, Pennsylvania 16801, within the comment period as specified above to receive consideration. Also, it must clearly set forth the interest which may be adversely affected by this activity and the manner in which the interest may be adversely affected.

It is requested that you communicate this information concerning the proposed work to any persons know by you to be interested and not being known to this office, who did not receive a copy of this notice.

Written comments concerning the work described above related to the factors listed above or other pertinent factors must be received within the comment period specified above to receive consideration. Please submit written comments to:

U.S. Army Corps of Engineers
Baltimore District
ATTN: Ms. Brittany Seguin
State College Field Office
1601 South Atherton Street,
State College, Pennsylvania 16801

Wade B. Chandler

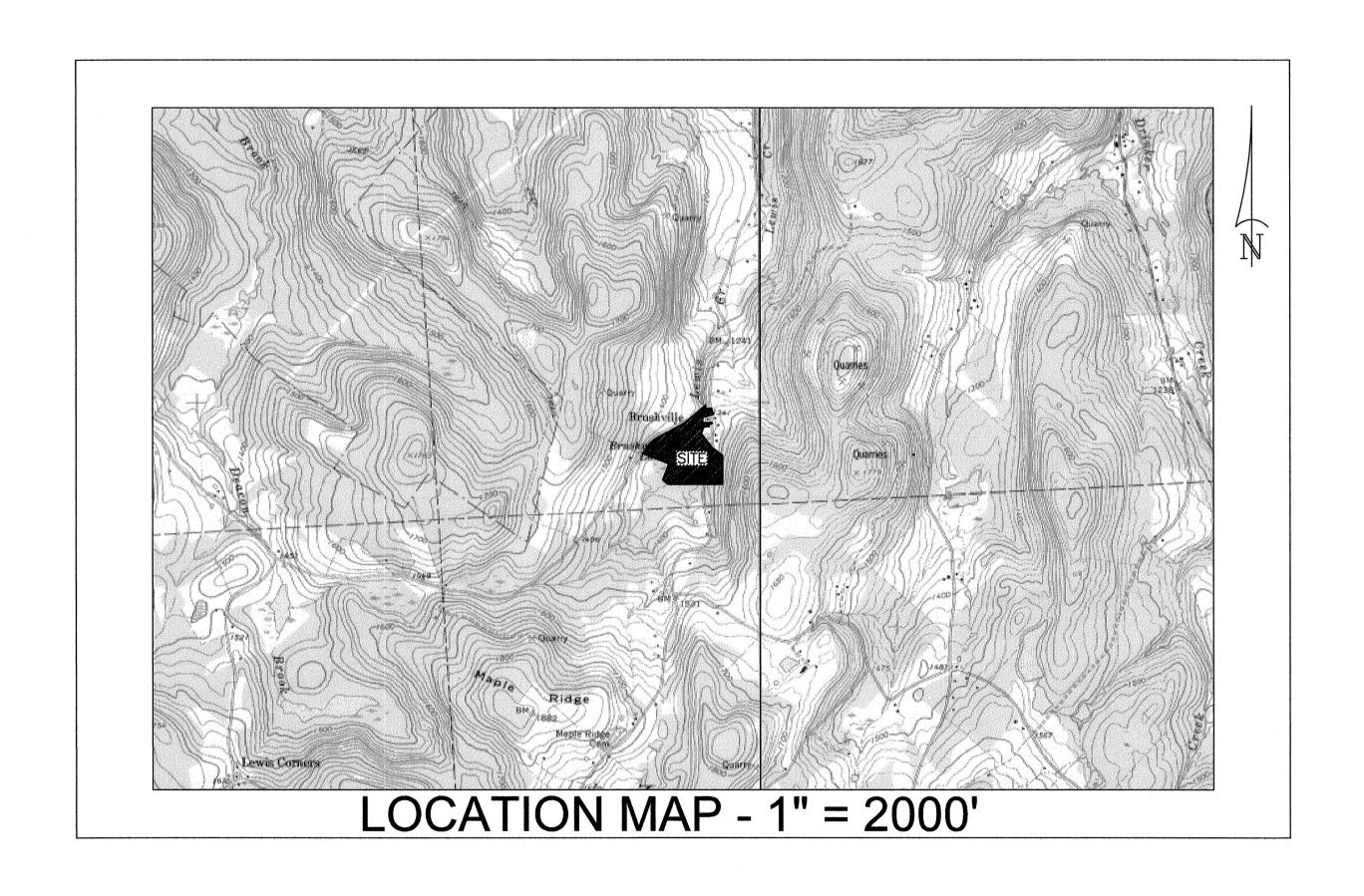
Chief, Pennsylvania Section

Regulatory Branch

BRUSHVILLE LAKE DAM RECONSTRUCTION PROJECT

OAKLAND TOWNSHIP - SUSQUEHANNA COUNTY - PENNSYLVANIA

LEWIS CREEK WATERSHED, PA DAM NO. D58-045, CLASS C LOW HAZARD PA DEP DESIGNATION



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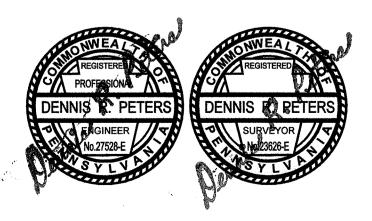
SHEET 6 **DETAILS**

SHEET 7 **DETAILS**

SHEET 8 SECTION THROUGH EARTHEN DAM

PREPARED FOR:

MR. JERROLD GRIFFIS 108 MOUNTAIN PINK ROAD BLOOMSBURG, PA 17815 (570) 784-1525



PREPARED BY:



PETERS CONSULTANTS, INC.

CONSULTING ENGINEERS AND LAND SURVEYORS

100 ROBBINS AVENUE **BERWICK**, PA. 18603 (570) 752-4433

1023 MULBERRY STREET BERWICK, PA 18603 (570) 752-7230

40 WEST MAIN STREET BLOOMSBURG, PA. 17815 (570) 387-0334

DATE: JULY 24, 2008 REVISED: OCTOBER 2, 2009

FILE NO. 2060

PETERS CONSULTANTS, INC. DENNIS R. PETERS, P.E., P.L.S. 100 ROBBINS AVENUE BERWICK, PA 18603 TELEPHONE: 570-752-4433 FAX: 570-752-4434 EMAIL: info1@petersconsultants.com

SURVEYOR'S CERTIFICATION

I HEREBY CERTIFY THAT THIS MAP AND SURVEY WERE PERFORMED IN ACCORDANCE WITH THE MINIMUM STANDARDS OF PRACTICE FOR PROFESSIONAL LAND SURVEYORS IN THE COMMONWEALTH OF PENNSYLVANIA AS ADOPTED BY THE PENNSYLVANIA SOCIETY OF LAND SURVEYORS.

ENGINEER'S CERTIFICATION

I DENNIS R. PETERS DO HEREBY CERTIFY PURSUANT TO THE PENALTIES OF 18 PA. C.S.A., SECTION 4904 TO THE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF, THAT THE INFORMATION CONTAINED IN THE ACCOMPANYING PLANS, SPECIFICATIONS AND REPORTS HAS BEEN PREPARED IN ACCORDANCE WITH ACCEPTED ENGINEERING PRACTICE, IS TRUE AND CORRECT, AND IS IN CONFORMANCE WITH CHAPTER 105 OF THE RULES AND REGULATIONS OF THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.

ADA DISCLAIMER NOTE

THIS PERMIT AND/OR PLAN HAS NOT BEEN REVIEWED TO DETERMINE ITS COMPLIANCE WITH TITLE III OF THE AMERICANS WITH DISABILITIES ACT OF 1990 (ADA) WHICH PROHIBITS DISCRIMINATION ON THE BASIS OF DISABILITY IN PUBLIC ACCOMMODATIONS AND COMMERCIAL FACILITIES.

COMPLIANCE WITH TITLE III OF THIS ACT WITH REGARD TO THE PUBLIC ACCOMMODATIONS AND COMMERCIAL FACILITIES IS THE RESPONSIBILITY OF THE APPLICANT/DEVELOPER.

CONTOURS

CONTOUR LINES ARE PLOTTED FROM AN AERIAL SURVEY. COMPLETED BY AEROCON PHOTOGRAMMETRIC SERVICES, INC. 4515 GLENBROOK RD. WILLOUGHBY, OHIO 44094 (440) 946-6277 ON 4/24/07.

FLOODPLAIN

AS PER COMMUNITY-PANEL 422581 0005A EFFECTIVE DATE 10/15/1980 FOR OAKLAND TOWNSHIP. SUSQUEHANNA COUNTY, PENNSYLVANIA. THE EXISTING PROPERTY IS LOCATED IN ZONE "C"- AREAS OF MINIMAL FLOODING.

WETLAND NOTICE

NO SITE EVALUATION FOR WETLAND INTRUSION HAS BEEN PERFORMED BY PETERS CONSULTANTS, INC. OR ANY EMPLOYEE OF PETERS CONSULTANTS, INC. NO CERTIFICATION FOR THE PRESENCE OF WETLANDS IS GIVEN BY PETERS CONSULTANTS, INC., OR ANY EMPLOYEE OF PETERS CONSULTANTS, INC., AND THE SAME SHALL NOT BE IMPLIED.

OWNER

JERROLD GRIFFIS 108 MOUNTAIN PINK ROAD BLOOMSBURG, PA 17815 (570) 784-1525

SOIL CLASSIFICATION

SOIL BOUNDARIES ARE PLOTTED FROM THE PENN STATE COLLEGE OF AGRICULTURAL SCIENCES COOPERATIVE EXTENSION WEBSITE www.soilmap.psu.edu

MARDIN VERY STONY SILT LOAM, 25-50 PERCENT SLOPES MIXED ALLUVIAL LAND, 0-8 PERCENT SLOPES VOLUSIA CHANNERY SILT LOAM, 3-8 PERCENT SLOPES VOLUSIA CHANNERY SILT LOAM, 8-15 PERCENT SLOPES VOLUSIA FLAGGY SILT LOAM, 3-8 PERCENT SLOPES VOLUSIA FLAGGY SILT LOAM, 15-25 PERCENT SLOPES VOLUSIA VERY STONY SILT LOAM, 0-8 PERCENT SLOPES VOLUSIA VERY STONY SILT LOAM, 8-25 PERCENT SLOPES WsD WELLSBORO VERY STONY SILT LOAM, 8-25 PERCENT SLOPES

SOIL BORING

SOIL BORING TESTS COMPLETED BY POCONO TEST BORINGS & DRILLING COMPANY, INC. 251 ANDIA LAKE TRAIL WHITE HAVEN, PA 18661 (570) 472-3268

CONSTRUCTION SEQUENCE

AT LEAST 7 DAYS BEFORE STARTING ANY EARTH DISTURBANCE ACTIVITIES, THE OPERATOR SHALL INVITE ALL CONTRACTORS INVOLVED IN THOSE ACTIVITIES, ALL APPROPRIATE MUNICIPAL OFFICIALS, THE EROSION AND SEDIMENT CONTROL PLAN PREPARER, AND THE SUSQEHANN CONSERVATION DISTRICT TO AN ON-SITE MEETING. ALSO, AT LEAST 3 DAYS BEFORE STARTING ANY EARTH DISTURBANCE ACTIVITIES, ALL CONTRACTORS INVOLVED IN THOSE ACTIVITIES SHALL NOTIFY THE PENNSYLVANIA ONE CALL SYSTEM INCORPORATED AT 1-800-242-1776 FOR BURIED UTILITY LOCATIONS. THE SEQUENCE OF BMP INSTALLATION AND REMOVAL OF TEMPORARY BMP'S SHOULD BE FOLLOWED AS LISTED. THE SEQUENCE OF BMP INSTALLATION REQUIRES THE INSTALLATION OF EACH BMP BEFORE THE BMP IS NEEDED. EXCEPT IN CERTAIN CASES (i.e. FILTER FABRIC FENCE THAT HAS BEEN UNDERMINED OR TOPPED MUST BE IMMEDIATELY REPLACED WITH A ROCK FILTER OUTLET).

- 1. INSTALL ORANGE SAFTEY/BARRIER FENCE AT THE LIMIT OF DISTURBANCE LINE TO ASSURE THAT AREAS OUTSIDE THE LIMITS REMAIN UNDISTURBED DURING
- 2. CONSTRUCT AND STABILIZE ROCK CONSTRUCTION ENTRANCE.
- 3. INSTALL FILTER FABRIC SILT FENCE AS SHOWN ON THE PLANS AT EACH SECTION PROPOSED TO BE DISTURBED BEFORE GRADING AND EARTH
- 4. CLEAR AND GRUB EXISTING MATERIAL FROM THE PROPOSED DISTURBED AREAS.
- 5. ANY AREA WITHIN THE LIMIT OF DISTURBANCE MAY BE USED AS A TEMPORARY STOCKPILE AREA. PLACE FILTER FABRIC FENCE ALONG THE CONTOUR DOWNHILL FROM THE STOCKPILE.
- 6. BEGIN GRADING OF THE SITE.
- 7. BYPASS PUMP THE STREAM FLOW PAST THE AREAS PROPOSED FOR THE INSTALLATION OF THE 24" X 36" CONCRETE BOX CULVERT. STABILIZE THE BYPASS PUMPING OUTFALL WITH R5 RIPRAP PROTECTION.
- 8. INSTALL THE 24" X 36" CONCRETE BOX CULVERT, GATE VALVE WHEEL ASSEMBLY. CLAY CORE, EARTHEN DAM, UPSTREAM AND DOWNSTREAM EARTHEN EMBANKMENT, GEOTEXTILE LINER AND RIPRAP PROTECTION, INSTALL THE REINFORCED CONCRETE SPILLWAY, CONCRETE CUTOFF WALL AND CONCRETE WING WALLS. AFTER STABILIZATION, OPERATE THE PROPOSED INSTALLATION SO THAT WATER DOES NOT POOL IN THE LAKE UNTIL REMAINING WORK IS
- 9. INSTALL FILTER FABRIC FENCE AT THE DOWNSTREAM LIMITS OF ALL DISTURBED
- 10. GRADE EACH AREA PROPOSED TO BE EMBANKMENT AT THE EDGE OF THE PROPOSED LAKE, AT EACH DEEP POOL AREA PROPOSED FOR AQUATIC LIFE HABITAT. AT THE POOL AREA PROPOSED FOR THE DIVING BOARD AND ALL OTHER PROPOSED GRADING AREAS.
- 11. PERMANENTLY STABILIZE ALL DISTURBED AREAS WITH SEED AND MULCH.
- 12. IMMEDIATELY AFTER FINAL GRADE IS REACHED, STABILIZE EXPOSED GROUND WITH TOPSOIL, FERTILIZER, SEED AND MULCH.
- 13. WHEN PERMANENT STABILIZATION OF ALL DISTURBED AREAS IS COMPLETE, REMOVE ALL TEMPORARY CONTROL MEASURES. PERMANENT STABILIZATION SHALL BE DEFINED AS THE POINT IN TIME WHERE ALL PERMANENT CONTROL MEASURES ARE COMPLETED AND OPERATIONAL, AND A UNIFORM VEGETATIVE COVER OR DENSITY OF 70% IS ACHIEVED ACROSS THE DISTURBED AREAS. THE ONSITE CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL OF ALL TEMPORARY BMP'S AND THE INSTALLATION OR PLACEMENT OF ALL PERMANENT BMP'S.
- 14. REGULATE THE GATE VALVE WHEEL ASSEMBLY TO ALLOW THE LAKE TO SLOWLY FILL TO PROPOSED ELEVATION WHILE AT THE SAME TIME ALLOWING FLOW IN THE EXISTING STREAM TO BE AT LEAST 80% OF THE NORMAL FLOW.
- 15. INSTALL DAM ADVISORY SIGNS AND PLACARDS PER PADEP REGULATIONS AND REMOVE ALL ORANGE SAFETY FENCING.
- 16. MONITOR ALL DISTURBED AREAS FOR FINAL STABILIZATION AND CORRECT AS NECESSARY.

SOIL STABILIZATION REQUIREMENTS

MULCH MATERIALS SHALL BE UNROTTED SALT HAY OR SMALL GRAIN STRAW, SPREAD UNIFORMLY. MULCH SHALL BE APPLIED IN LONG STRANDS. NOT CHOPPED, OR FINELY BROKEN.

ALL DISTURBED SLOPES AT GRADES FLATTER THAN 3:1 SHALL BE PERMANENTLY STABILIZED AS PER THE SEEDING SPECIFICATIONS ON SHEET 6 OF 6.

ALL DISTURBED SLOPES AT A GRADES OF 3:1 AND STEEPER SHALL BE STABILIZED AS PER THE SEEDING SPECIFICATIONS ON SHEET 6 OF 6. MULCH SHALL BE REPLACED WITH AN EROSION CONTROL BLANKET, TYPE SC150 AS MADE BY NORTH AMERICAN GREEN, OR

EROSION AND SEDIMENTATION CONTROL NOTES

1. THE CONTRACTOR SHALL ASSURE THAT THE APPROVED EROSION AND SEDIMENT POLLUTION CONTROL PLAN IS PROPERLY AND COMPLETELY IMPLEMENTED. A COPY OF THE APPROVED FROSION AND SEDIMENT POLLUTION CONTROL PLAN SHALL BE AVAILABLE AT THE PROJECT SITE AT ALL TIMES.

2. IMMEDIATELY UPON DISCOVERING UNFORESEEN CIRCUMSTANCES POSING THE POTENTIAL FOR ACCELERATED EROSION AND/OR SEDIMENT POLLUTION, THE CONTRACTOR SHALL IMPLEMENT THE APPROPRIATE BEST MANAGEMENT PRACTICES TO ELIMINATE THE POTENTIAL FOR ACCELERATED EROSION AND/OR SEDIMENT POLLUTION.

3. BEFORE INITIATING ANY REVISIONS TO THE APPROVED EROSION AND SEDIMENT POLLUTION CONTROL PLAN OR REVISIONS TO OTHER PLANS THAT MAY AFFECT THE EFFECTIVENESS OF THE APPROVED EROSION AND SEDIMENT POLLUTION CONTROL PLAN. THE CONTRACTOR MUST RECEIVE APPROVAL OF THE PLAN REVISIONS FROM THE SUSQUEHANNA COUNTY CONSERVATION DISTRICT.

4. PRIOR TO THE START OF OPERATIONS AT ANY SPOIL, BORROW OR OTHER WORK AREA NOT DETAILED ON THE APPROVED EROSION AND SEDIMENT POLLUTION CONTROL PLAN. WHETHER LOCATED WITHIN OR OUTSIDE OF THE INDICATED CONSTRUCTION LIMITS. THE PERMITTEE OR CO-PERMITTEE SHALL DEVELOP AND HAVE APPROVED BY THE OWNER AND THE SUSQUEHANNA COUNTY CONSERVATION DISTRICT, AS REQUIRED BY TITLE 25, CHAPTER 102. A SEPARATE EROSION AND SEDIMENT POLLUTION CONTROL PLAN FOR EACH SITE.

5. THE CONTRACTOR IS ADVISED TO BECOME THOROUGHLY FAMILIAR WITH THE PROVISIONS OF APPENDIX 64, EROSION CONTROL RULES AND REGULATIONS, TITLE 25, PART 1, DEPARTMENT OF ENVIRONMENTAL PROTECTION, SUBPART C, PROTECTION OF NATURAL RESOURCES, ARTICLE III, WATER RESOURCES, CHAPTER 102. EROSION CONTROL.

6. AN AREA SHALL BE CONSIDERED TO HAVE ACHIEVED FINAL STABILIZATION WHEN IT HAS A MINIMUM UNIFORM 70% PERENNIAL VEGETATIVE COVER OR OTHER PERMANENT NON-VEGETATIVE COVER WITH A DENSITY SUFFICIENT TO RESIST ACCELERATED SURFACE EROSION AND SUBSURFACE CHARACTERISTICS SUFFICIENT TO RESIST SLIDING AND OTHER MOVEMENTS.

7. IMMEDIATELY AFTER EARTH DISTURBANCE ACTIVITIES CEASE, THE CONTRACTOR SHALL STABILIZE ANY AREAS DISTURBED BY THE ACTIVITIES. DURING NON-GERMINATING PERIODS, MULCH MUST BE APPLIED AT THE SPECIFIED RATES. AT SLOPES OF 3:1 OR GREATER, AND EROSION CONTROL BLANKET, TYPE SC150 AS MADE BY NORTH AMERICAN GREEN, OR EQUIVALENT MUST BE APPLIED. DISTURBED AREAS WHICH ARE NOT AT FINISHED GRADE AND WHICH WILL BE REDISTURBED WITHIN 1 YEAR MUST BE STABILIZED IN ACCORDANCE WITH THE TEMPORARY VEGETATIVE STABILIZATION SPECIFICATIONS. DISTURBED AREAS WHICH ARE AT FINISHED GRADE OR WHICH WILL NOT BE REDISTURBED WITHIN 1 YEAR MUST BE STABILIZED IN ACCORDANCE WITH THE PERMANENT VEGETATIVE STABILIZATION SPECIFICATIONS.

8. ALL PUMPING OF SEDIMENT LADEN WATER SHALL BE THROUGH A WATER FILTER BAG, DISCHARGING OVER NON-DISTURBED AREAS. DEWATERING FACILITIES SHALL BE AT THE CONTRACTORS DISCRETION, SUBJECT TO THE SUSQUEHANNA COUNTY CONSERVATION DISTRICT REQUIREMENTS.

9. EROSION AND SEDIMENT POLLUTION CONTROL BMPS SHALL BE CONSTRUCTED, STABILIZED, AND FUNCTIONAL BEFORE SITE DISTURBANCE BEGINS WITHIN THE TRIBUTARY AREAS OF

10. ALL AREAS WITH SLOPES IN EXCESS OF 3:1 SHALL BE PROTECTED FROM ACCELERATED SOIL EROSION BY EROSION CONTROL MATTING IMMEDIATELY AFTER THE COMPLETION OF GRADING ACTIVITIES EACH DAY.

11. ANY HAZARDOUS MATERIALS AS DEFINED BY, FEDERAL, STATE. OR LOCAL GUIDELINES, LAWS AND/OR REGULATIONS SHALL BE DISPOSED OF IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS.

12. ALL MATERIALS, WHETHER NATURAL OR SYNTHETIC, SHALL BE DISPOSED OF IN ACCORDANCE WITH THE PA DEP SOLID WASTE REGULATIONS AT 25 PA CODE 260.1 ET SEQ., 271.1 ET SEQ., AND 287.1 ET SEQ. AND ANY OTHER APPROPRIATE LOCAL, STATE, OR FEDERAL CODE. REGULATION OR LAW. ALL SOIL REMOVED FROM THIS SITE MUST BE DISPOSED OF AT A SITE WITH AN APPROVED EROSION AND SEDIMENT POLLUTION CONTROL PLAN. THE CONTRACTOR SHALL NOT ILLEGALLY BURY, DUMP, OR DISCHARGE ANY BUILDING MATERIALS OR WASTES.

DATE

10/2/09

PENNSYLVANIA ACT 172

REQUIRES NOTIFICATION TO A ONE CALL SYSTEM BY EXCAVATORS, DESIGNERS, OR ANY PERSON PREPARING TO DISTURB THE EARTH'S SURFACE ANYWHERE IN THE COMMONWEALTH. PETERS CONSULTANTS, INC. HEREBY STATES THAT, PURSUANT TO THE PROVISIONS OF ACT NO. 38 OF 1991. WHICH AMENDS, PA ACT 287 OF 1974 AND REPLACES ACT 172 OF 1986 OF THE PENNSYLVANIA LEGISLATURE, IT HAS PERFORMED THE FOLLOWING IN PREPARING THESE DRAWINGS REQUIRING EXCAVATION OR DEMOLITION WORK AT SITES WITHIN THE POLITICAL SUBDIVISION(S) SHOWN ON THE DRAWINGS.

(1) PURSUANT TO SECTION 4, CLAUSE(2) OF SAID ACT, PETERS CONSULTANTS. INC. INSPECTED OR OBTAINED A COPY OF THE LIST OF USERS, AS PRESCRIBED BY SECTION 3 OF SAID ACT, IN SAID POLITICAL SUBDIVISION(S). "USER" IS DEFINED IN SECTION 1 OF SAID ACT TO INCLUDE "PUBLIC UTILITY", POLITICAL SUBDIVISION, MUNICIPALITY, AUTHORITY, RURAL ELECTRIC COOPERATIVE OR ITS NAMED REPRESENTATIVE TRADE ASSOCIATION, OR OTHER PERSON OR ENTITY WHO OR WHICH OWNS OR OPERATES A LINE. THE TERM DOES NOT INCLUDE THE COMMONWEALTH OR ITS AGENCIES.

(2) PURSUANT TO SECTION 4. CLAUSE (2) OF SAID ACT, PETERS CONSULTANTS INC. REQUESTED FROM EACH USERS OFFICE DESIGNATED ON SUCH LIST THE INFORMATION PRESCRIBED BY SECTION 2, CLAUSE (4) OF SAID ACT, BEING "INFORMATION AS TO POSITION AND TYPE OF THE USER'S LINES" AT THE SITES OF EXCAVATION OR DEMOLITION WORK. "BASED ON THE INFORMATION CURRENTLY IN THE USERS POSSESSION." "LINE" IS DEFINED IN SAID ACT, AS MEANING "AN UNDERGROUND CONDUCTOR OR UNDERGROUND FACILITY USED IN CARRYING OR PROVIDING GAS, OIL OR OIL PRODUCT DELIVERY, SEWAGE, WATER OR OTHER SERVICE TO ONE OR MORE CONSUMERS OR CUSTOMERS OR SUCH SERVICE AND THE APPURTENANCES THERE TO. THE TERM DOES NOT INCLUDE STORM DRAINAGE FACILITIES WHICH ARE LOCATED WITHIN A PUBLIC RIGHT OF WAY. THE TERM SHALL NOT INCLUDE OIL AND GAS PRODUCTION AND GATHERING PIPELINE SYSTEMS DESIGNED PRINCIPALLY TO COLLECT OIL OR GAS PRODUCTION FROM WELLS LOCATED IN THIS COMMONWEALTH PROVIDED SUCH SYSTEMS ARE MARKED OR STAKED WHERE THEY CROSS A PUBLIC HIGHWAY OR RIGHT OF WAY.

(3) PURSUANT TO SECTION 4, CLAUSE (3) OF SAID ACT, PETERS CONSULTANTS, INC. HAS SHOWN UPON THESE DRAWINGS "THE POSITION AND TYPE OF EACH LINE. AS DERIVED PURSUANT TO THE REQUEST MADE AS REQUIRED BY CLAUSE (2)" OF SECTION 4 OF SAID ACT, AND THE USER'S NAMES, DESIGNATED OFFICE ADDRESSES AND TELEPHONE NUMBERS, EXCEPT WHERE SPECIFICALLY NOTED OTHERWISE ON THE DRAWINGS.

(4) PURSUANT TO SECTION 4, CLAUSE (4) OF SAID ACT, PETERS CONSULTANTS INC. DOES NOT MAKE ANY REPRESENTATION, WARRANTY. ASSURANCE OR GUARANTY THAT THE INFORMATION RECEIVED PURSUANT TO SAID REQUEST AND AS REFLECTED ON THESE DRAWINGS IS CORRECT OR ACCURATE, BUT PETERS CONSULTANTS, INC IS REFLECTING SAID INFORMATION ON THESE DRAWINGS ONLY DUE TO THE REQUIREMENTS OF SAID ACT NO. 287 OF DECEMBER 10, 1974 AS AMENDED BY ACT 38 OF

PUBLIC FACILITIES

SEWER

ELECTRIC PENELEC TOWANDA, PA 18848 TELE. (814)949-4640

GAS UGI PENN NATURAL GAS, INC. 1263 W. THIRD ST. WILLIAMSPORT, PA 17701

OAKLAND BOROUGH WATER COMMISSION

18 HIGH ST. SUSQUEHANNA, PA 18847 TELE. (570)853-3214

TELEPHONE COMMONWEALTH TELEPHONE

100 CTE DRIVE DALLAS, PA 18612

TELE. (800)338-5302

TELE. (800)343-8574

216 EAST MAIN ST. SUSQUEHANNA, PA 18847

TRI-BOROUGH MUNICIPAL AUTHORITY

TELE. (570)853-4719

SHEETS 1-8 OF 8 MUST BE READ TOGETHER AND ARE TO BE CONSIDERED ONE INTEGRAL PLAN

REVISIONS

REVISED CONSTRUCTION SEQUENCE

BRUSHVILLE LAKE DAM RECONSTRUCTION PROJECT PREPARED FOR JERROLD GRIFFIS NOTES

OAKLAND TOWNSHIP - SUSQUEHANNA COUNTY - PENNSYLVANIA PETERS CONSULTANTS, INC. CONSULTING ENGINEERS & SURVEYORS info1@petersconsultants.com - www.petersconsultants.com 100 Robbins Avenue 1023 Mulberry Street 29 East Main Street DENNIS R. PETERS Berwick , Pa. 18603 Berwick , Pa. 18603 Bloomsburg , Pa. 17815

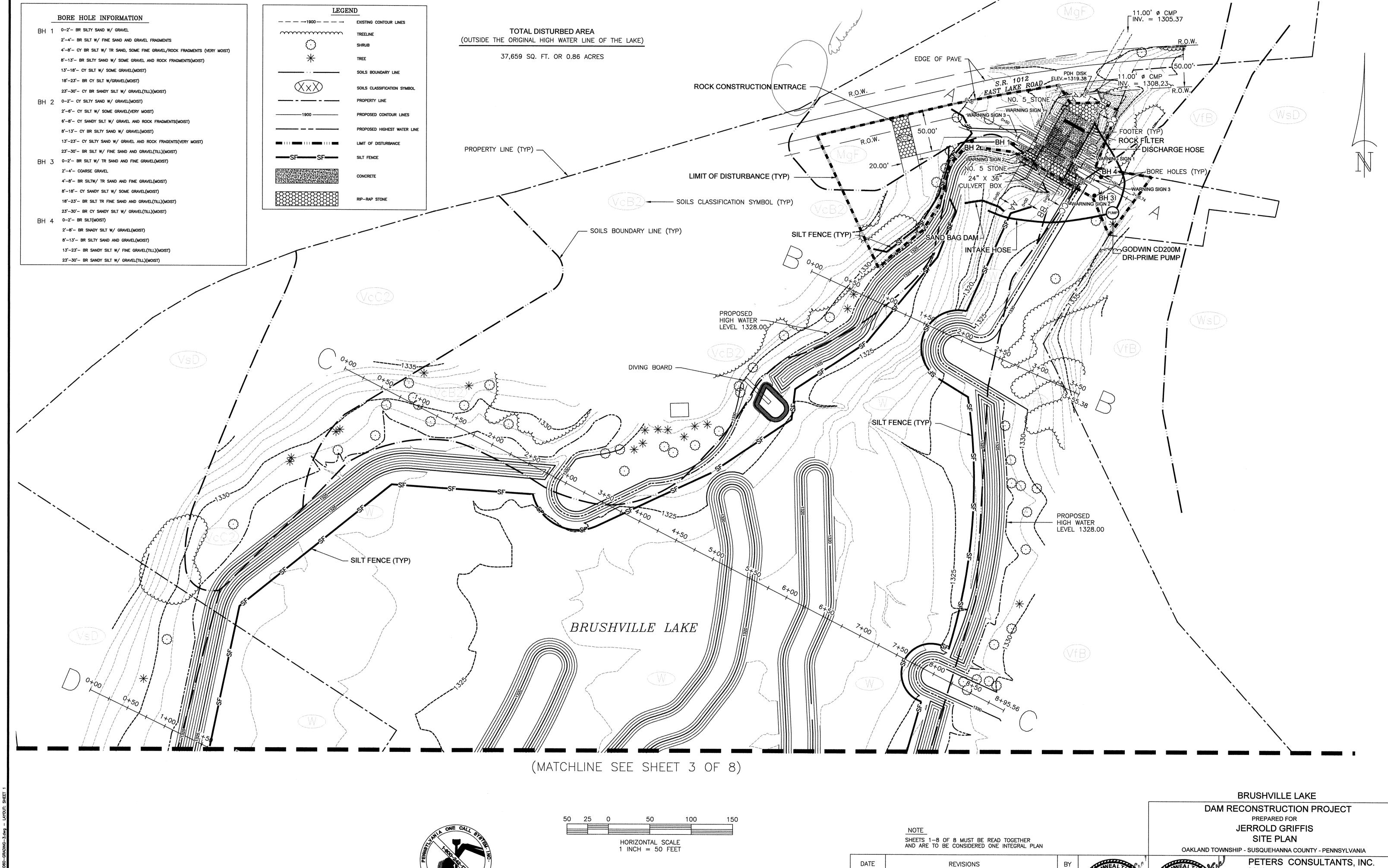
Scale: NONE Dwn By: JAB File No.: 2060 Date: 7/24/08 Ck. By: DRP Sheet 1 of 8

DESIGNERS, OR ANY PERSON PREPARING TO DISTURB THE EARTH'S SURFACE ANYWHERE IN THE COMMONWEALTH.

EQUIVALENT.

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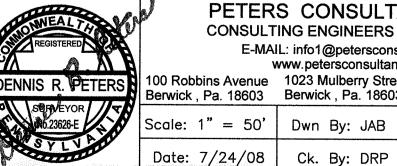
PENNSYLVANIA ACT 172 AS AMENDED REQUIRES NOTIFICATION OF EXCAVATORS.



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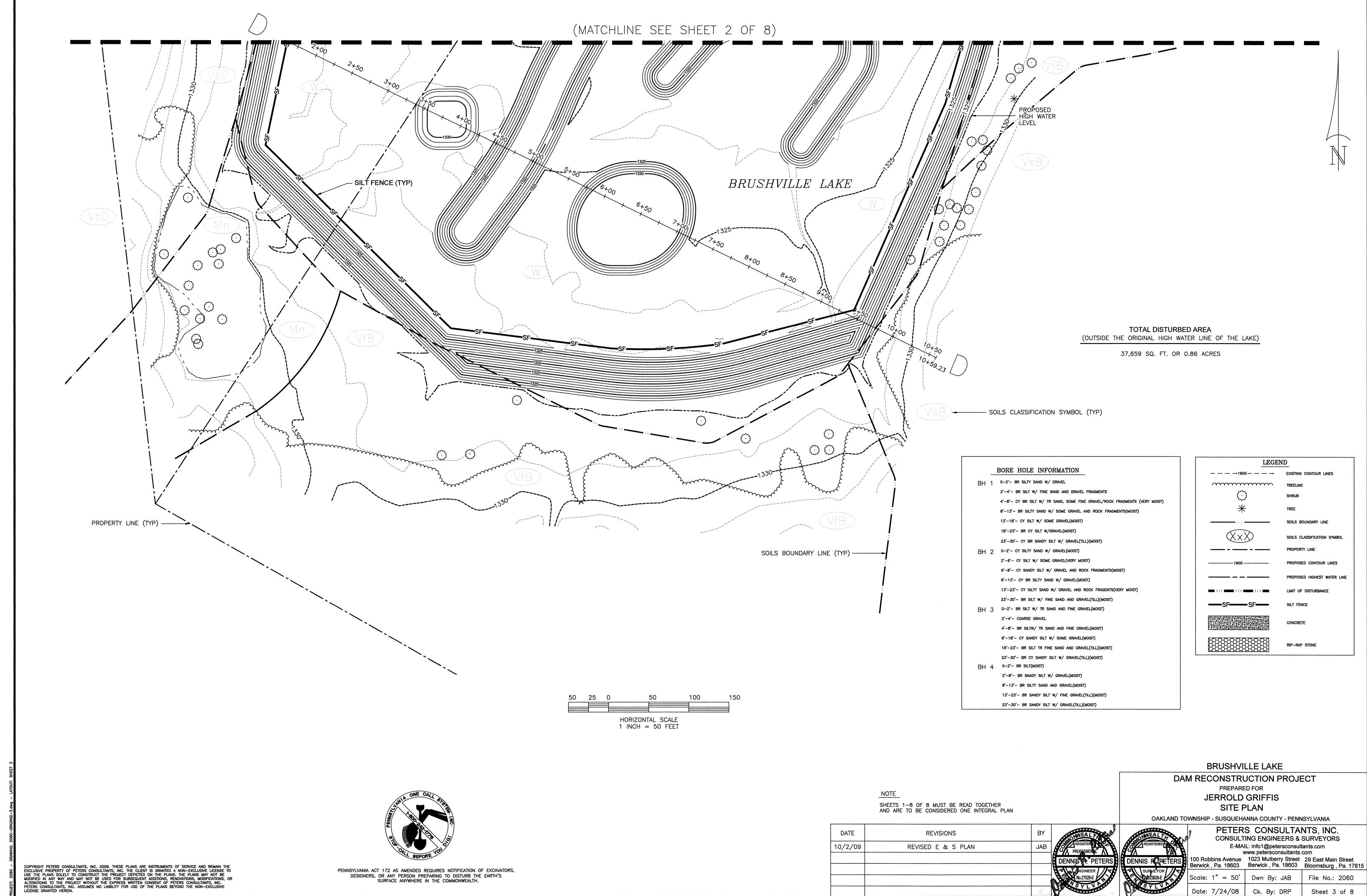
PENNSYLVANIA ACT 172 AS AMENDED REQUIRES NOTIFICATION OF EXCAVATORS, DESIGNERS, OR ANY PERSON PREPARING TO DISTURB THE EARTH'S SURFACE ANYWHERE IN THE COMMONWEALTH.

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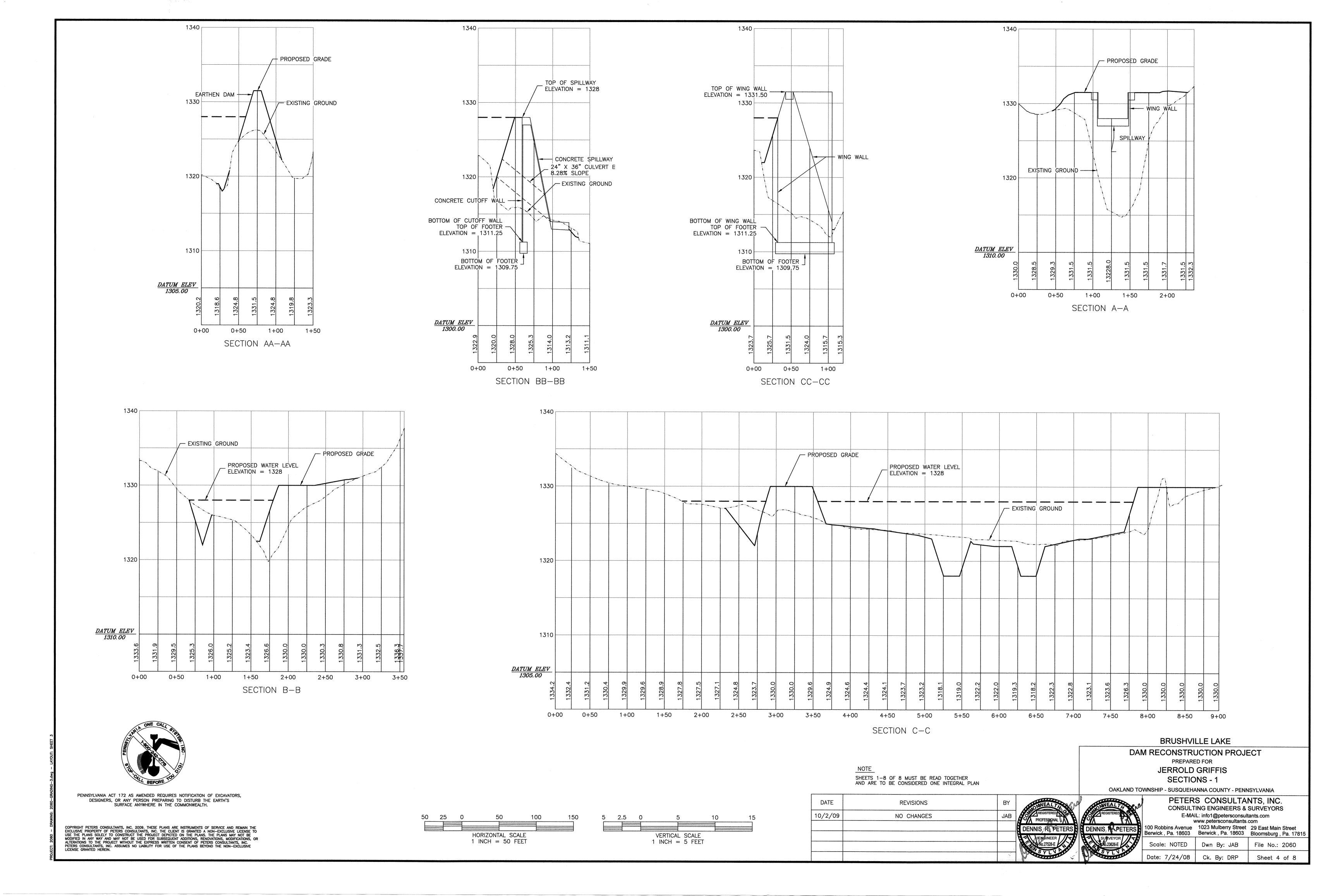
CONSULTING ENGINEERS & SURVEYORS E-MAIL: info1@petersconsultants.com www.petersconsultants.com 100 Robbins Avenue 1023 Mulberry Street 29 East Main Street Berwick , Pa. 18603 Berwick , Pa. 18603 Bloomsburg , Pa. 17815 Scale: 1" = 50' | Dwn By: JAB File No.: 2060

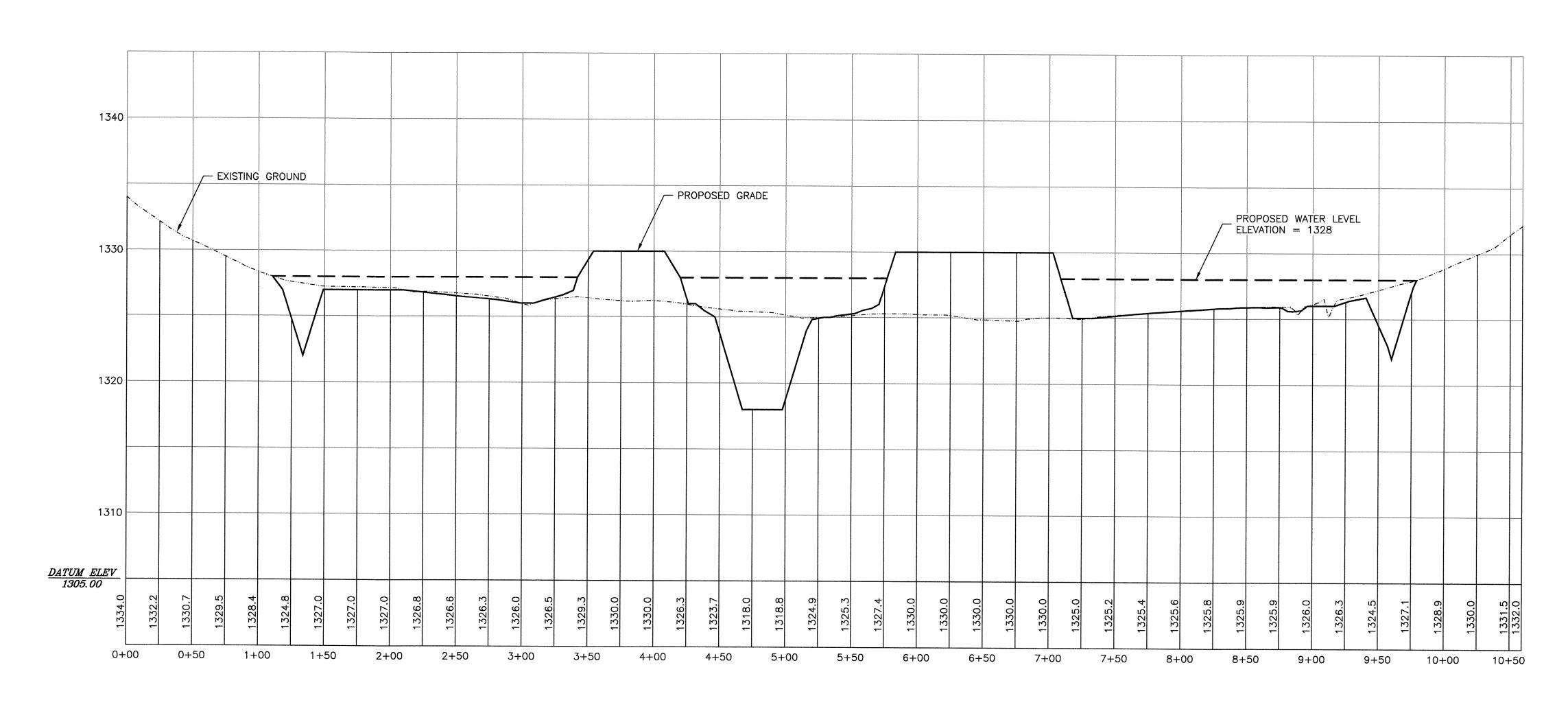
Sheet 2 of 8



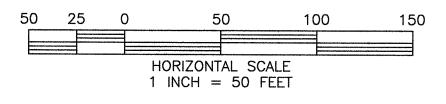
Date: 7/24/08 | Ck. By: DRP

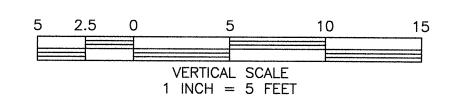
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SECTION D-D







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SHEETS 1-8 OF 8 MUST BE READ TOGETHER AND ARE TO BE CONSIDERED ONE INTEGRAL PLAN

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BRUSHVILLE LAKE

DAM RECONSTRUCTION PROJECT PREPARED FOR JERROLD GRIFFIS SECTIONS - 2

OAKLAND TOWNSHIP - SUSQUEHANNA COUNTY - PENNSYLVANIA

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TEMPORARY SEEDING % PURE LIVE SEED: 95% 40 LB/ACRE

FERTILIZER APPL. RATE: 680 LB/ACRE

APPLICATION RATE:

FERTILIZER TYPE:

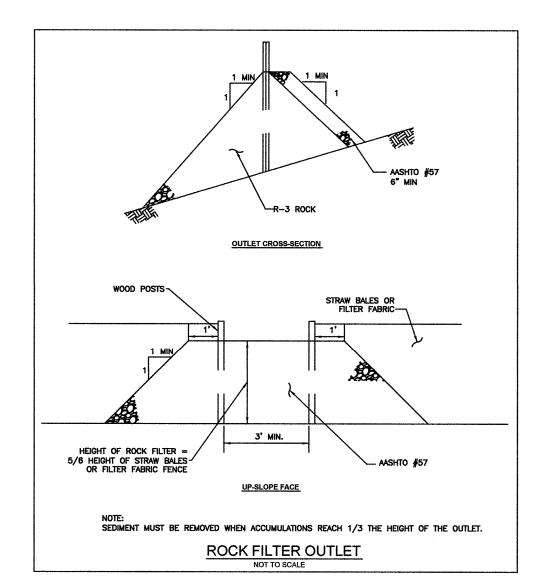
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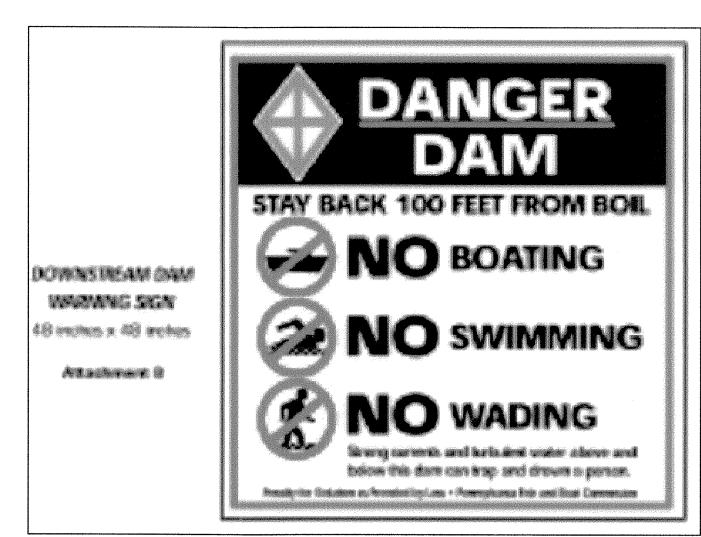
SEEDING SEASON:

93 LB/AC FERTILIZER TYPE: FERTILIZER APPL. RATE: 680 LB/ACRE MARCH 15 - OCTOBER 15

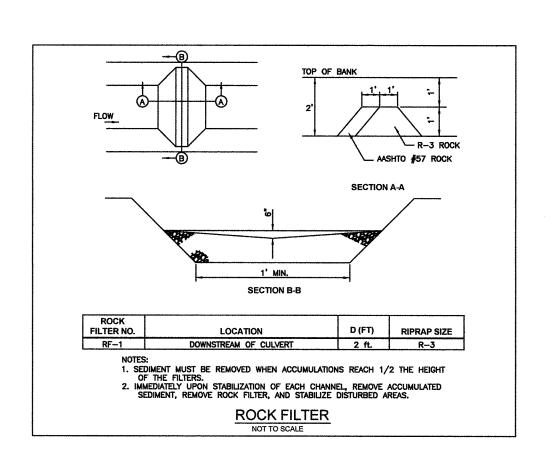
ALL SEEDING LIMING RATE: MULCH TYPE: MULCH RATE: ANCHOR MATERIAL: ANCHORING METHOD: RATE OF APPLICATION:

6 TON/ACRE CEREAL STRAW 3 TON/ACRE EMULSIFIED ASPHALT 150 GALLONS/ACRE



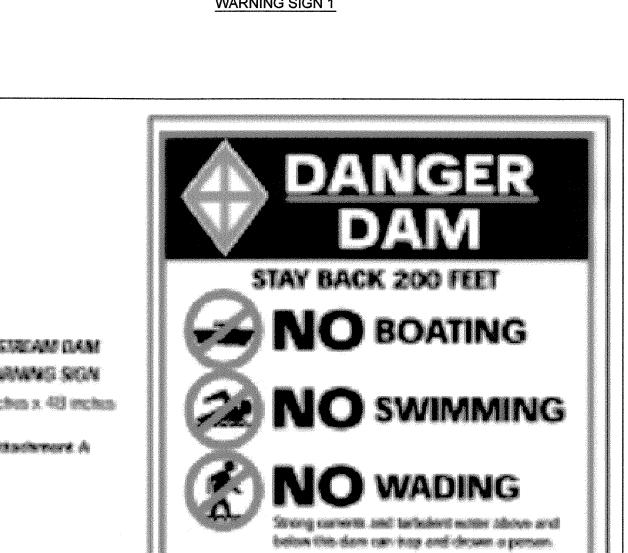


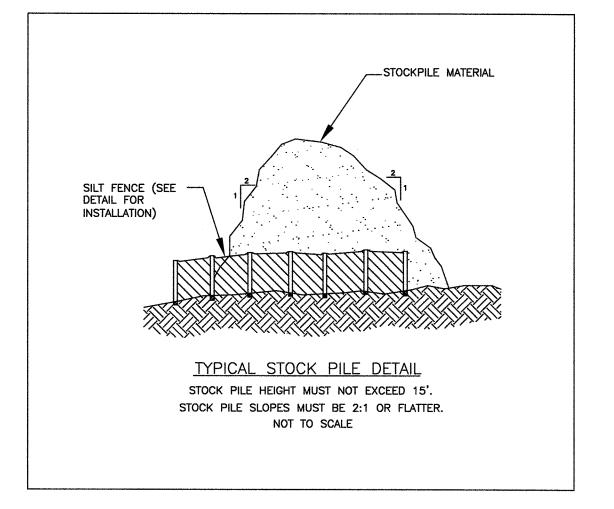
WARNING SIGN 1

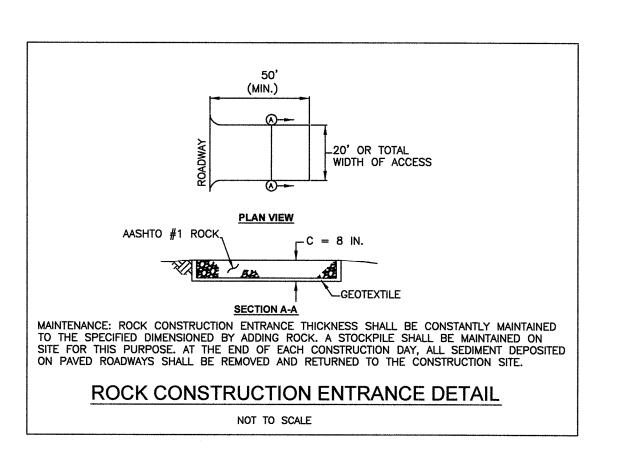




WARNING SIGN 2



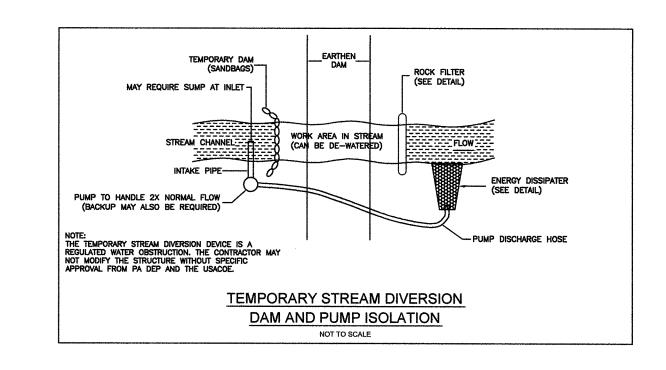


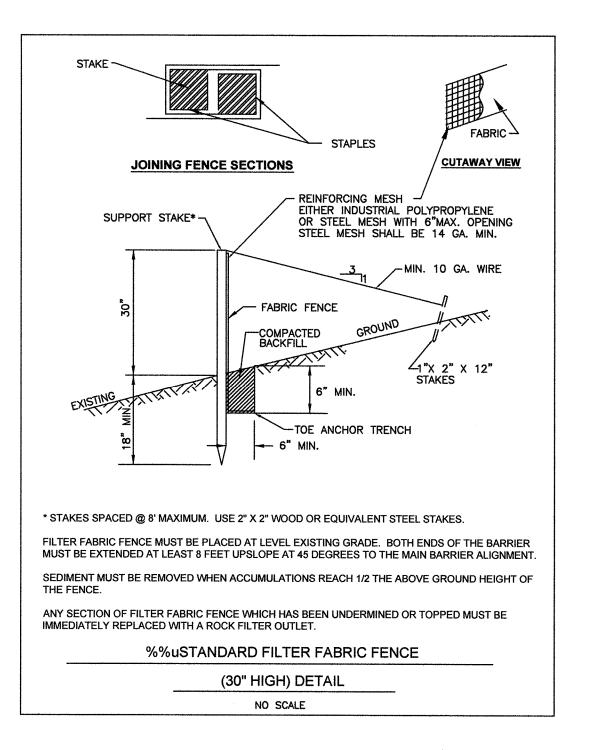




WARNING SIGN 3 48" X 48"

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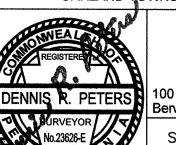




BRUSHVILLE LAKE

DAM RECONSTRUCTION PROJECT PREPARED FOR JERROLD GRIFFIS DETAILS

OAKLAND TOWNSHIP - SUSQUEHANNA COUNTY - PENNSYLVANIA

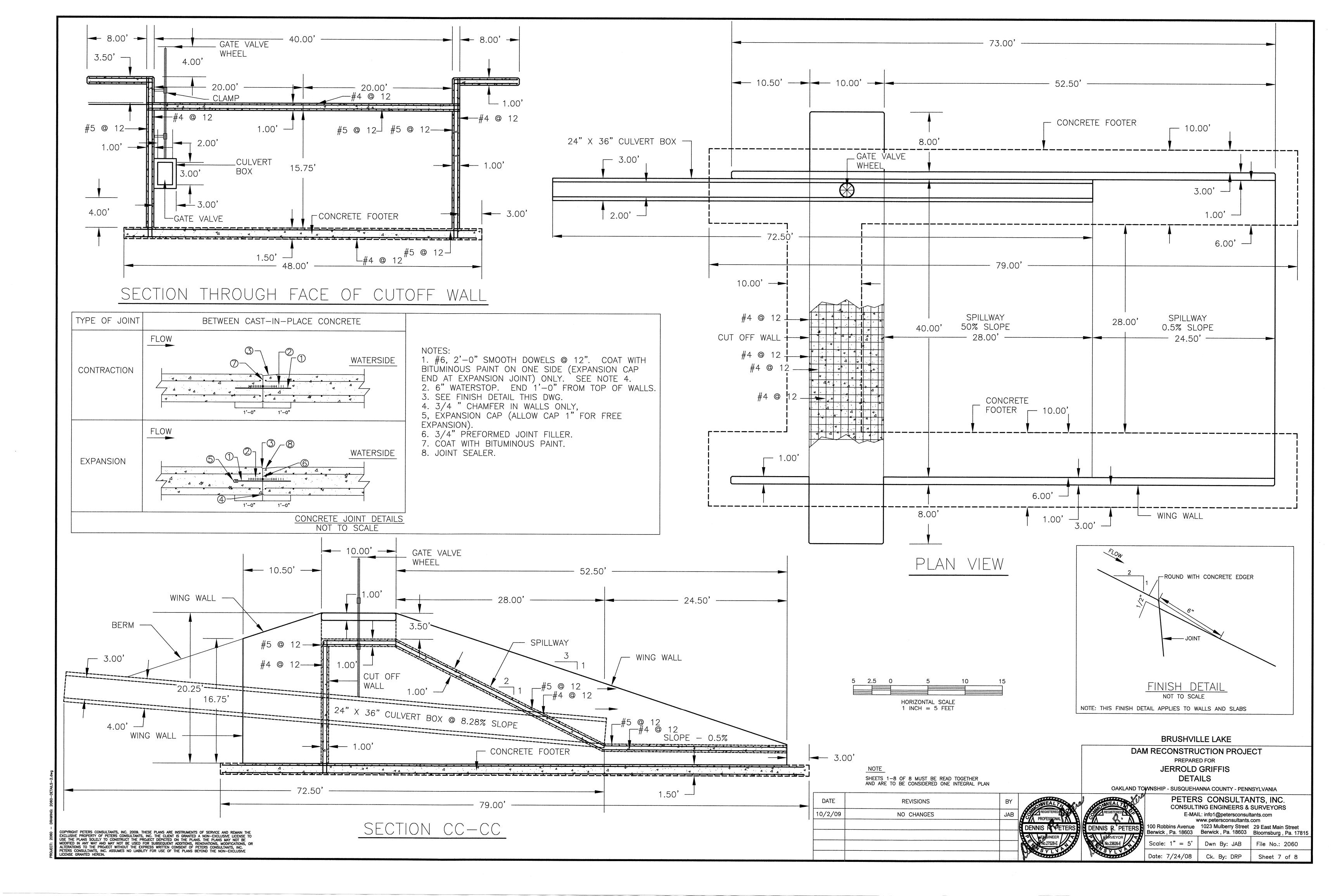


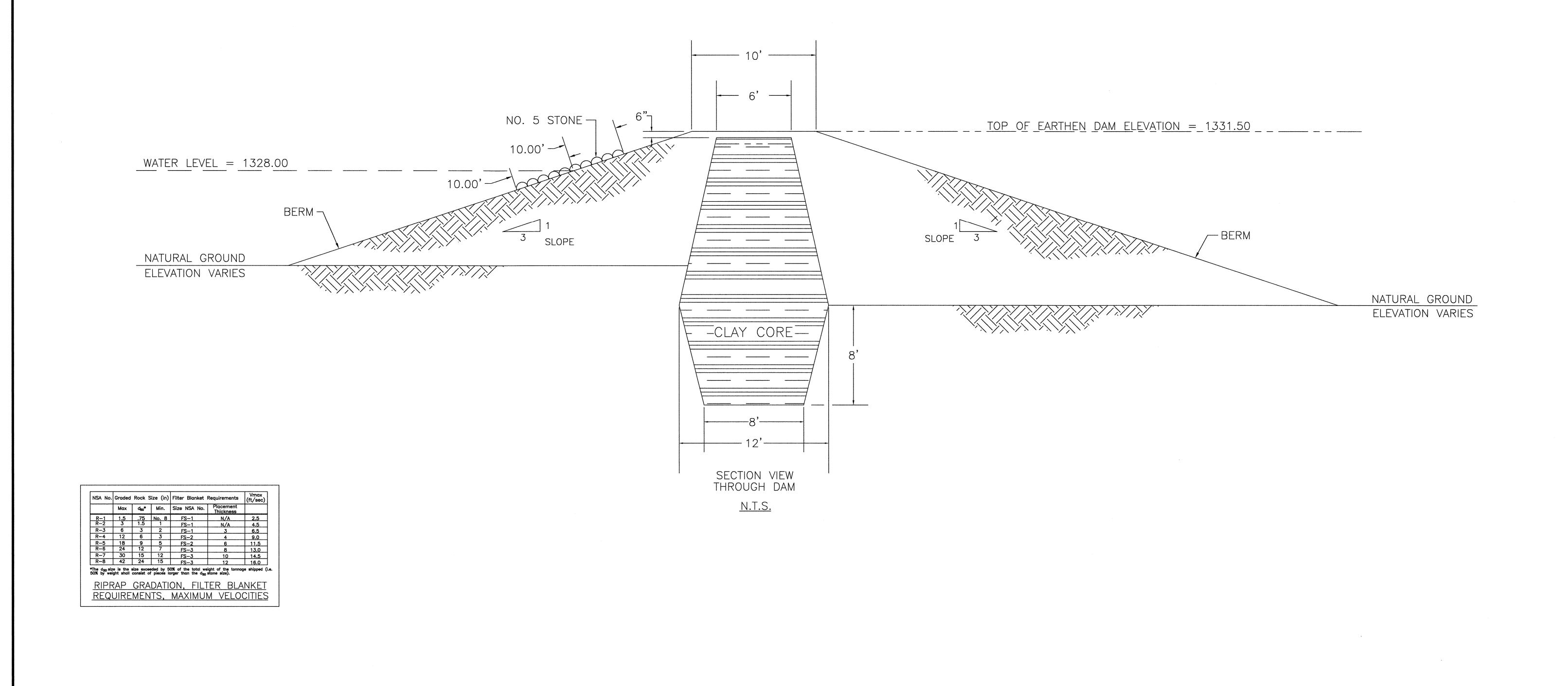
PETERS CONSULTANTS, INC. CONSULTING ENGINEERS & SURVEYORS E-MAIL: info1@petersconsultants.com

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DAM RECONSTRUCTION PROJECT PREPARED FOR JERROLD GRIFFIS

SECTION THROUGH EARTHEN DAM

Date: 7/24/08 | Ck. By: DRP

BRUSHVILLE LAKE

OAKLAND TOWNSHIP - SUSQUEHANNA COUNTY - PENNSYLVANIA PETERS CONSULTANTS, INC. CONSULTING ENGINEERS & SURVEYORS

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Sheet 8 of 8

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