



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

PUBLIC NOTICE

Comment Period Begins: March 26, 2013
Comment Period Ends: April 25, 2013
File Number: NAE-2013-325
In Reply Refer To: Paul Sneeringer
Phone: (978) 318-8491
E-mail: paul.j.sneeringer@usace.army.mil

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

APPLICANT: Conway Community Swimming Pool Inc., 309 Whately Road, Conway, MA, 01341

ACTIVITY: The applicant proposes to discharge dredged and/or fill material into waters of the United States to repair the pond dam, to remove excess sediment from the pond, and to maintain the bathing beach at the existing in-stream swimming facility. A detailed description and plans of the activity are attached.

WATERWAY AND LOCATION OF THE PROPOSED WORK:

This work is proposed in Pumpkin Hollow Brook at 332 Whately Road, Conway, Massachusetts. The site coordinates are: Latitude 42° 29' 50" N Longitude 72° 41' 52".

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.

NATIONAL HISTORIC PRESERVATION ACT:

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:

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

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FILE NO. NAE-2013-325

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 questions, please contact Paul Sneeringer at (978) 318-8491, (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.



Karen K. Adams
Chief, Permits and Enforcement Branch
Regulatory Division

If you would prefer not to continue receiving Public Notices by email, 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: _____
PHONE: _____

PROPOSED WORK AND PURPOSE:

The Conway Community Swimming Pool Repair Project includes the discharge of dredged or fill material into approximately **84,120** square feet of waters of the United States, including jurisdictional wetlands, associated with Pumpkin Hollow Brook. The project site is located at 332 Whately Road in Conway, Massachusetts.

The purpose for this project is to make repairs to this in-stream facility so that it can be re-opened as a recreational facility. The Conway Community Swimming Pool was damaged during Hurricane Irene. Based upon concerns with the stability of the outlet structure/downstream dam, the pond has been dewatered over the past 1-2 years.

Section 404 discharges associated with this project involve the repair of the downstream dam; the removal of the existing pond outlet system and the installation of a new pond outlet system; the removal of excess sediments from the pond in order to restore the previous gravel bottom; the installation of a concrete block weir to protect the bathing beach area; regrading sand in the bathing beach area; the installation of a handicap-accessible fishing dock; and temporary construction impacts associated with the upgrade an existing access roadway. Approximately 3000 cubic yards of sediment will be removed from the pond and deposited at appropriate upland areas (not within waters of the United States). The work is described on the enclosed plans entitled CONWAY COMMUNITY SWIMMING POOL INC," on 17 sheets, and dated "02/07/2013" and revised "03/18/2013" as well as the "APP. B" plan drawing dated "02/07/2013".

As part of this proposal Conway Swimming Pool Inc. is also requesting authorization to conduct regular and recurrent future excavation of accumulated sediment from this pond. This future maintenance work would be conducted during the winter draw down period detailed on the Appendix B plan drawing.

MITIGATION:

As part of the Corps review of this project the applicant has been required to avoid and to minimize avoidable impacts to waters of the United States, including jurisdictional wetlands. No compensatory mitigation has been proposed for unavoidable permanent impacts to jurisdictional wetland areas.

SITE IMPROVEMENTS

CONWAY COMMUNITY SWIMMING POOL

CONWAY · MASSACHUSETTS

REVISED MARCH 18, 2013

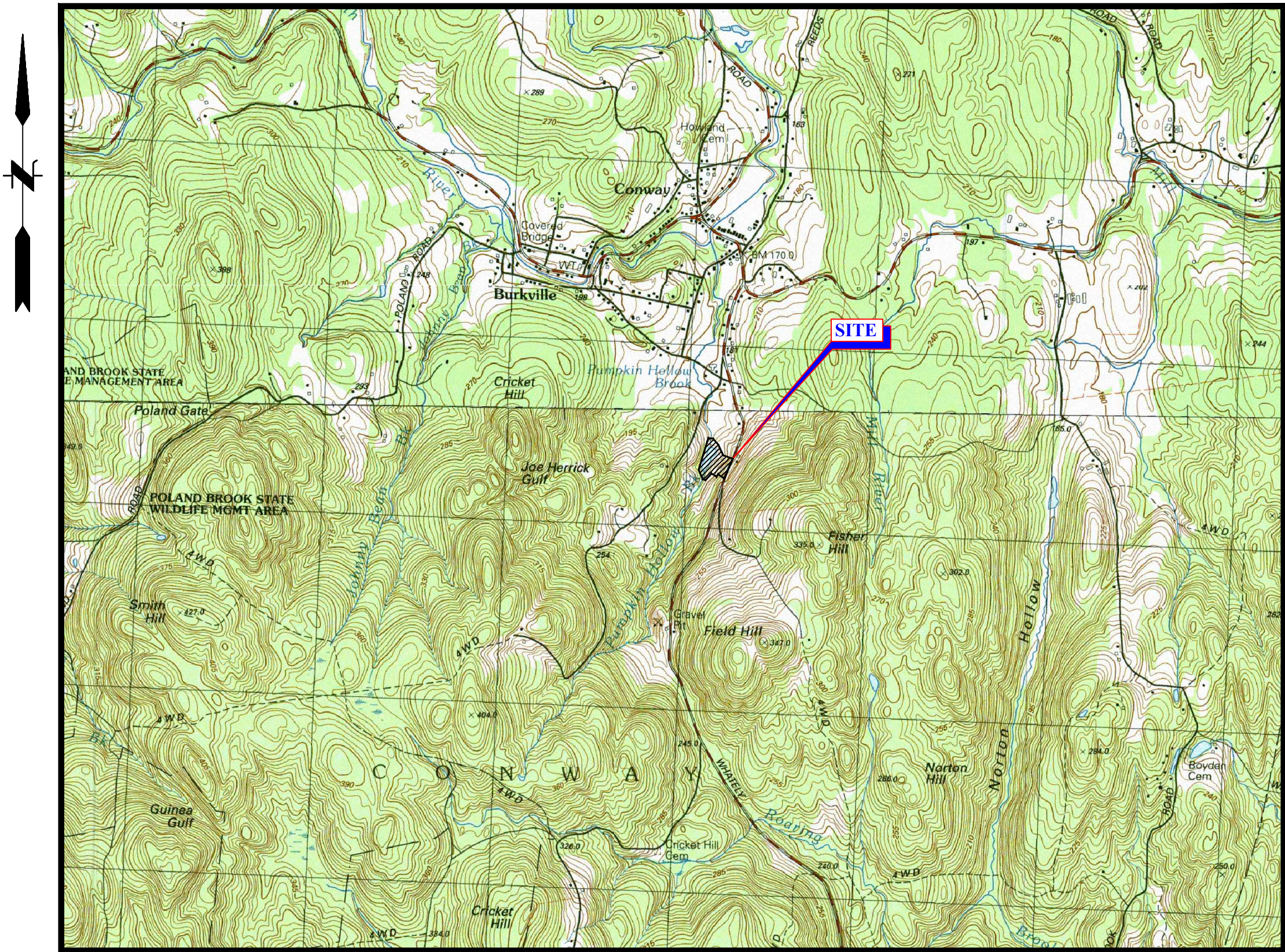
PREPARED FOR
**CONWAY COMMUNITY
SWIMMING POOL, INC.**
309 WHATELY ROAD
CONWAY, MA 01341



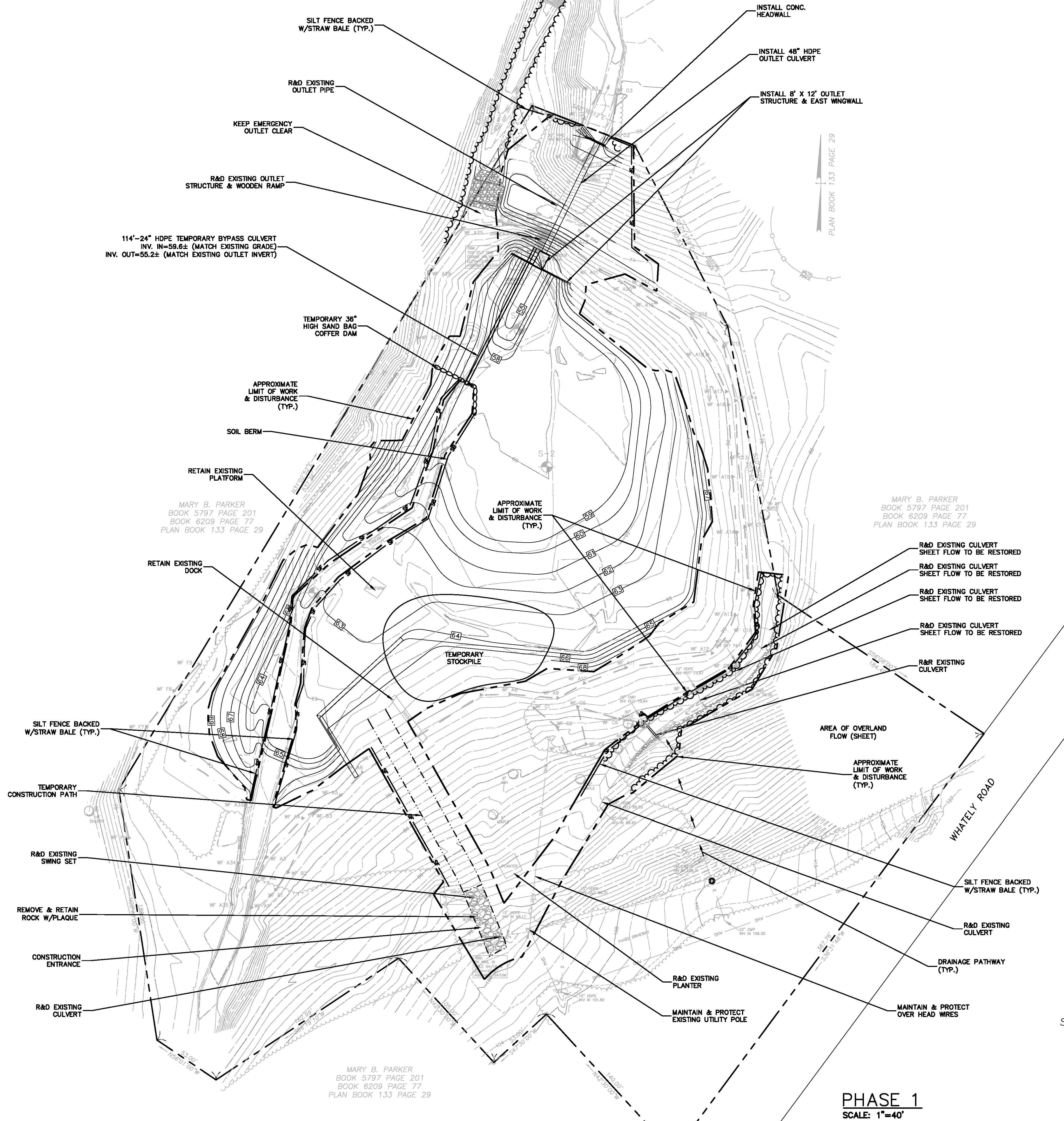
PREPARED BY
FUSS & O'NEILL
78 INTERSTATE DRIVE
WEST SPRINGFIELD, MA 01089
413.452.0445
www.fando.com

SHEET INDEX

<u>SHEET No.</u>	<u>SHEET TITLE</u>
C0.00	COVER SHEET
C1.00	EXISTING CONDITIONS
C1.10	SITE PHASING, PREPARATION, SEDIMENTATION, & EROSION CONTROL PLAN
C1.11	SITE PHASING, PREPARATION, SEDIMENTATION, & EROSION CONTROL PLAN
C1.12	SITE PHASING, PREPARATION, SEDIMENTATION, & EROSION CONTROL PLAN
C1.13	SITE PHASING, PREPARATION, SEDIMENTATION, & EROSION CONTROL PLAN
C1.20	SITE LAYOUT PLAN
C1.30	SITE GRADING & DRAINAGE PLAN
C2.00	POND PROFILE 1
C2.01	POND PROFILE 2
C2.02	POND CROSS SECTIONS
C2.03	DAM CROSS SECTIONS
C3.00	EROSION & SEDIMENTATION CONTROL DETAILS
C3.01	SITE CONSTRUCTION DETAILS
C3.02	SITE CONSTRUCTION DETAILS
C3.03	SITE CONSTRUCTION DETAILS
C3.04	SITE CONSTRUCTION DETAILS



LOCATION MAP
SCALE: 1" = 2000'



THE CONSTRUCTION SEQUENCING IS AS FOLLOWS:

1. INSTALL SITE EROSION AND SEDIMENTATION (E&S) CONTROLS, INCLUDING ANTI-TRACKING PAD AT EDGE OF PAVED PARKING AREA.
2. RE-BUILD EXISTING ACCESS ROAD FROM PARKING AREA TO THE TOP OF THE DAM
 - a. REMOVE AND REPLACE EXISTING CULVERTS
 - b. INSTALL STORMWATER QUALITY STRUCTURE
 - c. INSTALL RETAINING WALL
 - d. GRADE AND REPLACE SURFACE OF THE ACCESS ROADWAY
3. DREDGING AND OUTLET STRUCTURE REPLACEMENT:
 - a. SET UP HAUL ROAD FROM POOL OVER THE BEACH AREA TO THE ANTI-TRACKING APRON ADJACENT TO THE PARKING AREA
 - b. POOL PHASE 1:
 - i. INSTALL COFFERDAM AND TEMPORARY BYPASS PIPE. TIE BYPASS PIPE INTO EXISTING OUTLET PIPE. INSTALL EROSION CONTROL ALONG EXISTING CHANNEL WITHIN POOL
 - ii. DEMOLISH EXISTING GLORYHOLE OUTLET STRUCTURE AND APPURTENANCES
 - iii. EXCAVATE DAM IN AREA OF THE NEW OUTLET STRUCTURE, AND STOCKPILE MATERIAL ON WEST SIDE OF OUTLET STRUCTURE
 - iv. INSTALL NEW OUTLET PIPE, AND OUTLET STRUCTURE
 - v. BACKFILL DAM AND OUTLET STRUCTURE
 - vi. DREDGE WEST SIDE OF EXISTING CHANNEL, CAST MATERIAL TO EAST SIDE OF CHANNEL
 - vii. EXCAVATE CHANNEL WEST OF EXISTING CHANNEL
 - viii. DREDGE EAST SIDE OF EXISTING CHANNEL
 - ix. STOCKPILE DREDGED MATERIAL IN AREA WEST OF EXISTING BEACH
 - c. POOL PHASE 2:
 - i. MOVE TEMPORARY BYPASS FROM OLD OUTLET TO NEW OUTLET STRUCTURE
 - ii. INSTALL SECOND COFFERDAM
 - iii. DEMOLISH EXISTING OUTLET PIPE AND HEADWALL
 - iv. INSTALL WINGWALL FOR NEW OUTLET STRUCTURE
 - v. COMPLETE DREDGING IN AREA OF OUTLET STRUCTURE
 - vi. STABILIZE AREA OF DAM AROUND NEW OUTLET STRUCTURE
 - vii. REMOVE DEBRIS AND MAKE IMPROVEMENTS TO EMERGENCY SPILLWAY
 - d. POOL PHASE 3:
 - i. REMOVE EROSION CONTROL ALONG EXISTING CHANNEL
 - ii. CLOSE NEW LOW LEVEL OUTLET ON OUTLET STRUCTURE
 - iii. REMOVE COFFERDAM AND TEMPORARY BYPASS PIPING
 - iv. EXCAVATE AND DREDGE AREA OF EXISTING CHANNEL, WORKING FROM SOUTH TO NORTH
 - v. ALLOW FLOW TO IMPOUND DURING DREDGING OPERATION UP TO MID-LEVEL OUTLET
 - vi. INSTALL NEW EMERGENCY SPILLWAY WEST OF THE OUTLET STRUCTURE
 - e. REMOVAL OF DREDGED MATERIAL:
 - i. DREDGED MATERIAL WILL BE STOCKPILED WEST OF THE EXISTING BEACH AREA FOR DEWATERING
 - ii. ONCE THE MATERIAL IS DRY, IT WILL BE LOADED INTO TRUCKS TO BE HAULED OFFSITE
 - iii. TRUCKS WILL UTILIZE THE HAUL ROAD FROM THE PARKING AREA TO THE STOCKPILE, CROSSING THE ANTI-TRACKING APRON
 - iv. ONCE MATERIAL REMOVAL IS COMPLETE, THE AREA WILL BE RE-GRADED AND RESTORED
4. BEACH AREA IMPROVEMENTS:
 - a. INSTALL NEW BEACH WALL
 - b. INSTALL AND GRADE NEW BEACH SURFACE
 - c. RE-INSTALL DOCK AND SWIM PLATFORM
5. ACCESS ROAD TO NORTH SIDE OF BEACH
 - a. INSTALL SITE E&S CONTROLS
 - b. PERFORM CLEARING AND GRUBBING OPERATIONS
 - c. ROUGH GRADE ACCESS ROAD ALIGNMENT
 - d. INSTALL AND COMPACT GRAVEL ROADWAY SURFACE
 - e. STABILIZE DISTURBED AREAS
 - f. REMOVE E&S CONTROLS
6. RECREATION AREA IMPROVEMENTS:
 - a. INSTALL E&S MEASURES ALONG DOWN GRADIENT EDGE OF THE RECREATION AREA, ALONG EDGE OF BEACH
 - b. PERFORM CLEARING AND EARTHWORK OPERATIONS
 - c. INSTALL RAIN GARDEN AT EDGE OF PARKING LOT
 - d. INSTALL PROPOSED RECREATION IMPROVEMENTS
 - e. STABILIZE DISTURBED AREAS
 - f. REMOVE E&S CONTROLS
7. SITE CLOSEOUT:
 - a. UPON COMPLETION OF SITE IMPROVEMENTS, BEGIN FILLING THE POOL BY CLOSING LOW AND MID-LEVEL OUTLETS IN THE OUTLET STRUCTURE. ADDITIONAL MASSACHUSETTS DIVISION OF FISHERIES AND WILDLIFE (MASSWILDLIFE) PROTOCOLS WILL NEED TO BE FOLLOWED BASED UPON AGENCY REVIEWS.
 - b. ONCE SITE IS FULLY STABILIZED, REMOVE SITE WIDE E&S CONTROLS.

MAP REFERENCE:

1. EXISTING CONDITIONS DEPICTED ON THIS PLAN ARE BASED ON A PLAN ENTITLED: TOPOGRAPHICAL PLAN OF LAND IN CONWAY, MASSACHUSETTS, SURVEYED FOR CONWAY COMMUNITY SWIMMING POOL, INC., DATED REVISED THROUGH DECEMBER 7, 2012, SURVEYED BY HERITAGE SURVEYS, INC. COLLEGE HIGHWAY & CLARK STREET, POST OFFICE BOX 1, SOUTHAMPTON, MASSACHUSETTS.

LEGEND & ABBREVIATIONS

- | | |
|-------|-----------------------------------------|
| --- | LIMIT OF WORK & DISTURBANCE |
| ===== | PROPOSED SAND BAG COFFER DAM |
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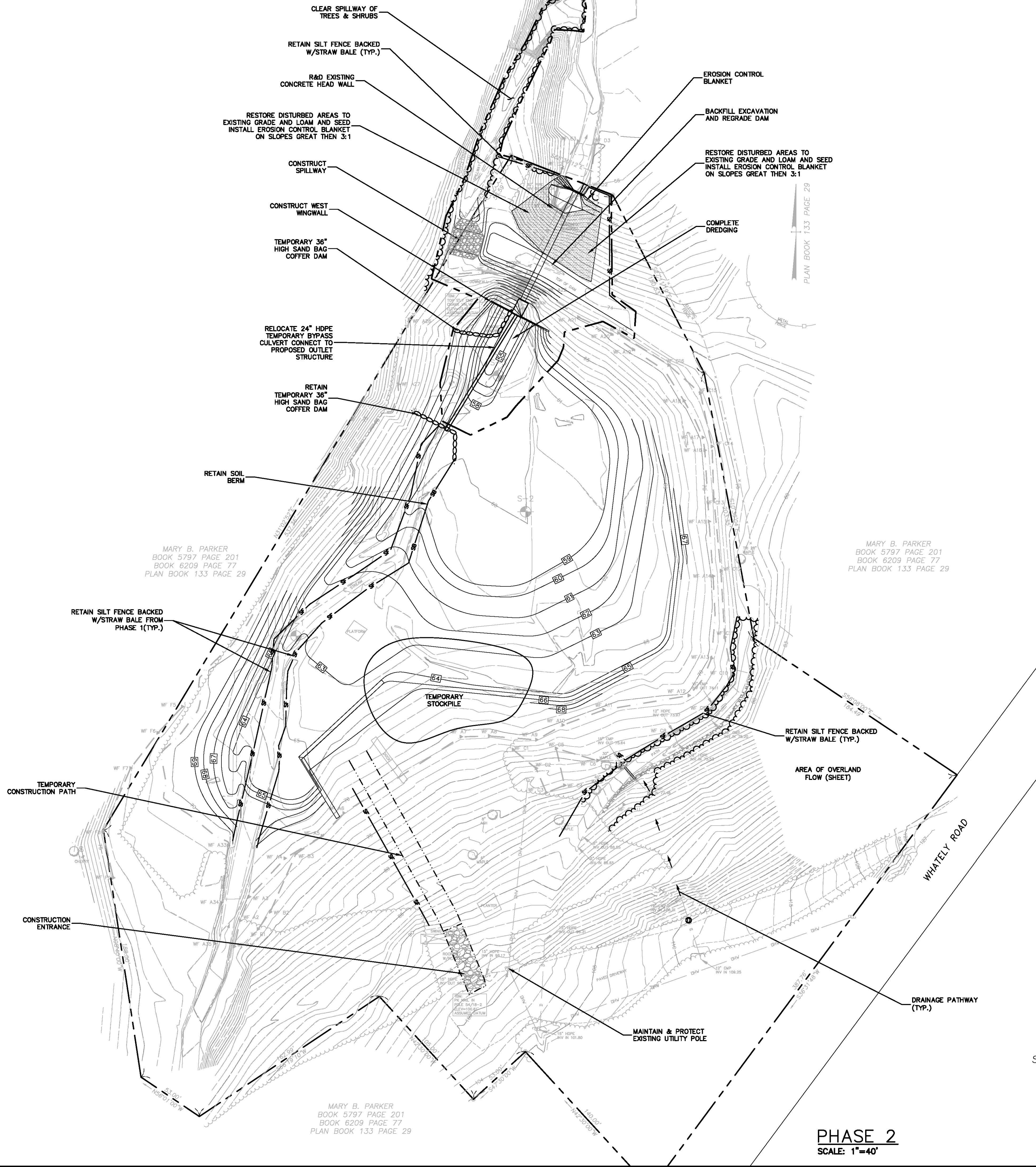
REVIEWER	DESIGNER	DATE	NO.	DATE	NO.
ATB	ATB	02/07/2013	1.	02/07/2013	1.
ATB	ATB	02/07/2013	2.	02/07/2013	2.

SCALE:	HORIZ.: 1"=40'	VERT.: 1"=40'
DATUM:	HORIZ.: 1"=40'	VERT.: 1"=40'
GRAPHIC SCALE	0 20 40	0 20 40

FUSS & O'NEILL
78 INTERSTATE DRIVE
CONWAY, MASSACHUSETTS 01089
www.fussandoneill.com

CONWAY COMMUNITY SWIMMING POOL INC.
SITE PHASING, PREPARATION,
EROSION & SEDIMENTATION CONTROL
SITE IMPROVEMENTS
CONWAY MASSACHUSETTS

PROJ. No.: 20120989.A10
DATE: 02/07/2013
C1.10
SHEET 3 OF 17



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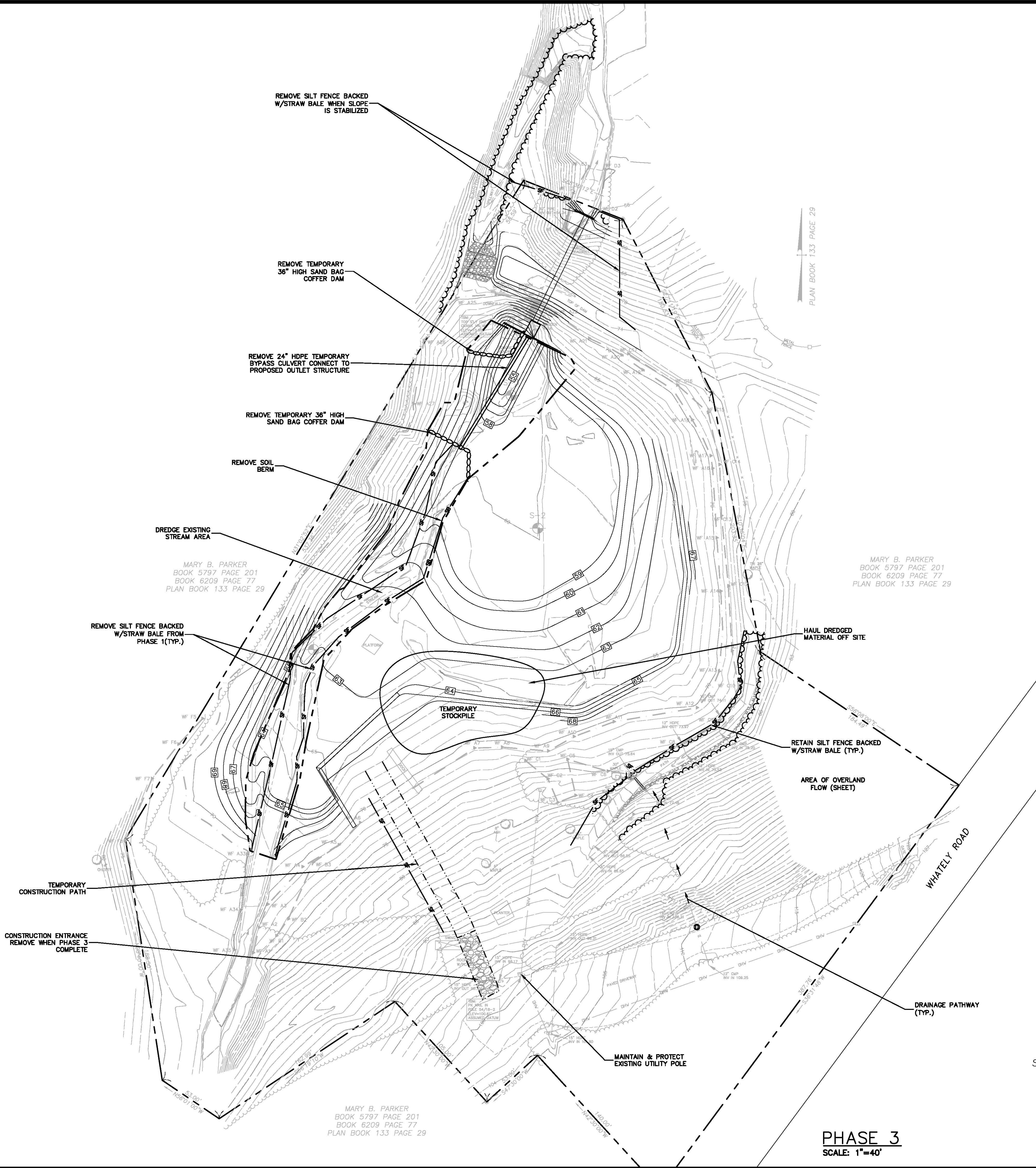
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PHASE 2
SCALE: 1"=40'

CONWAY COMMUNITY SWIMMING POOL INC.		FUSS & O'NEILL		REVIEWER	
SITE PHASING, PREPARATION, EROSION & SEDIMENTATION CONTROL		78 INTERSTATE DRIVE, WILMINGTON, MA 01890		DESIGNER	
SITE IMPROVEMENTS		413.452.0445		ATB	
CONWAY		www.fussandoneill.com		ATB	
MASSACHUSETTS		DATE: 02/07/2013		DESCRIPTION	
PROJECT No.: 20120989.A10		REVISED PER P.S., USACE COMMENTS		No.	
DATE: 02/07/2013		SUBMITTED FOR PERMITTING		1.	
C1.11		DATE		2.	
SHEET 4 OF 17		DATE		3.	



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 - f. REMOVE E&S CONTROLS
6. RECREATION AREA IMPROVEMENTS:
 - a. INSTALL E&S MEASURES ALONG DOWN GRADIENT EDGE OF THE RECREATION AREA, ALONG EDGE OF BEACH
 - b. PERFORM CLEARING AND EARTHWORK OPERATIONS
 - c. INSTALL RAIN GARDEN AT EDGE OF PARKING LOT
 - d. INSTALL PROPOSED RECREATION IMPROVEMENTS
 - e. STABILIZE DISTURBED AREAS
 - f. REMOVE E&S CONTROLS
7. SITE CLOSEOUT:
 - a. UPON COMPLETION OF SITE IMPROVEMENTS, BEGIN FILLING THE POOL BY CLOSING LOW AND MID-LEVEL OUTLETS IN THE OUTLET STRUCTURE. ADDITIONAL MASSACHUSETTS DIVISION OF FISHERIES AND WILDLIFE (MASSWILDLIFE) PROTOCOLS WILL NEED TO BE FOLLOWED BASED UPON AGENCY REVIEWS.
 - b. ONCE SITE IS FULLY STABILIZED, REMOVE SITE WIDE E&S CONTROLS.

MAP REFERENCE:

1. EXISTING CONDITIONS DEPICTED ON THIS PLAN ARE BASED ON A PLAN ENTITLED: TOPOGRAPHICAL PLAN OF LAND IN CONWAY, MASSACHUSETTS, SURVEYED FOR CONWAY COMMUNITY SWIMMING POOL, INC., DATED REVISED THROUGH DECEMBER 7, 2012, SURVEYED BY HERITAGE SURVEYS, INC. COLLEGE HIGHWAY & CLARK STREET, POST OFFICE BOX 1, SOUTHAMPTON, MASSACHUSETTS.

LEGEND & ABBREVIATIONS

- | | |
|-------|-----------------------------------------|
| --- | LIMIT OF WORK & DISTURBANCE |
| ===== | PROPOSED SAND BAG COFFER DAM |
| ===== | PROPOSED TEMPORARY BYPASS |
| ~~~~~ | PROPOSED CLEARING LIMIT |
| ~~~~~ | PROPOSED SILT FENCE BACKED W/STRAW BALE |
| ===== | PROPOSED EROSION CONTROL BLANKET |
| ===== | PROPOSED SOIL BERM |
| ----- | PROPOSED MINOR CONTOURS |
| ----- | PROPOSED MAJOR CONTOURS |
| R&D | REMOVE & DISPOSE |
| R&R | REMOVE & REPLACE |
| --- | DRAINAGE PATHWAY |

PHASE 3
SCALE: 1"=40'

REVISION	DATE	DESCRIPTION	DESIGNER	REVIEWER
1.	02/07/2013	SUBMITTED FOR PERMITTING	ATB	ATB
2.	3/18/2013	REVISED PER P.S., USACE COMMENTS	ATB	ATB



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CONWAY COMMUNITY SWIMMING POOL INC.
SITE PHASING, PREPARATION,
EROSION & SEDIMENTATION CONTROL
SITE IMPROVEMENTS
CONWAY MASSACHUSETTS

PROJ. No.: 20120989.A10
DATE: 02/07/2013

C1.12



THE CONSTRUCTION SEQUENCING IS AS FOLLOWS:

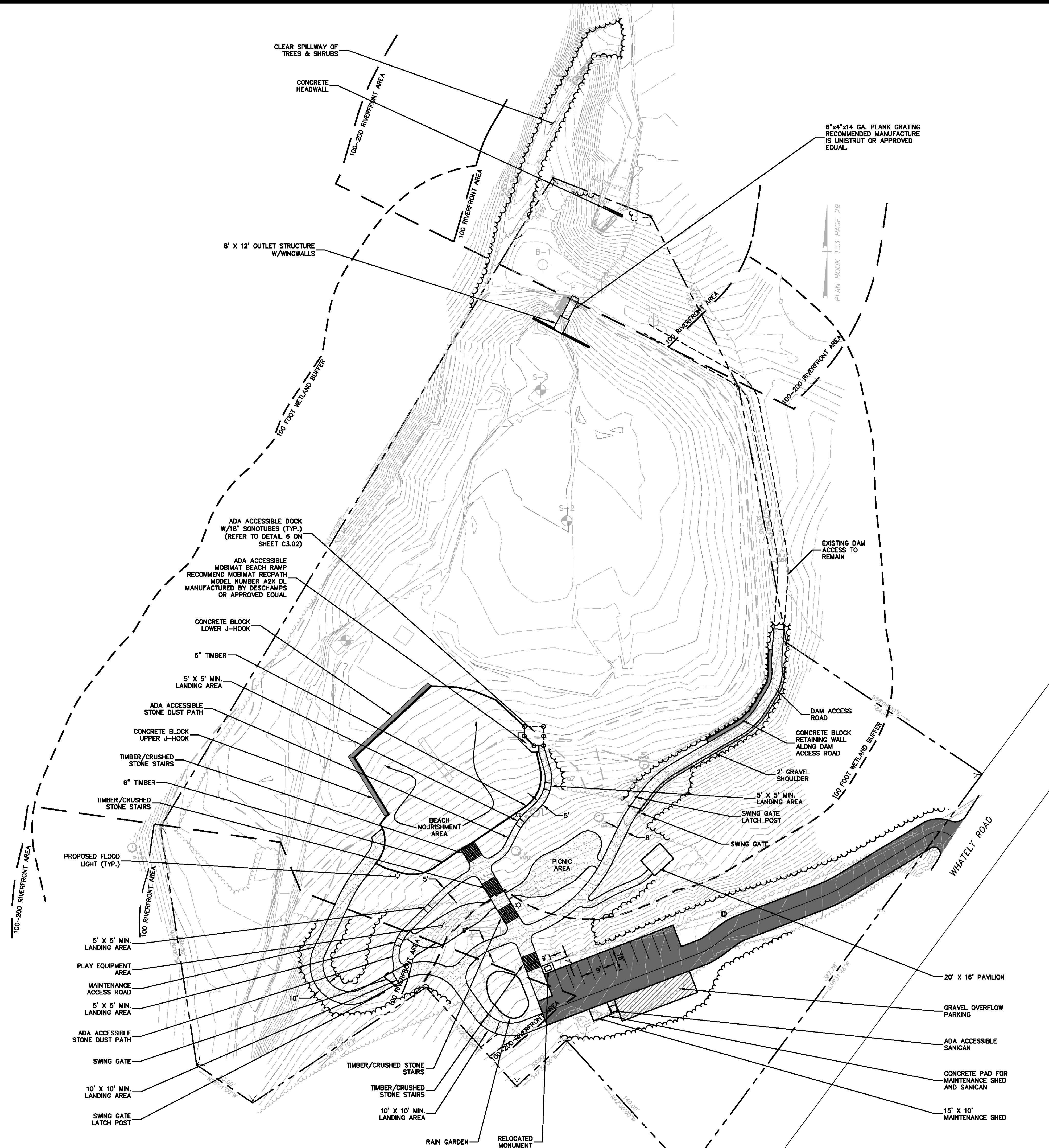
1. INSTALL SITE EROSION AND SEDIMENTATION (E&S) CONTROLS, INCLUDING ANTI-TRACKING PAD AT EDGE OF PAVED PARKING AREA.
2. RE-BUILD EXISTING ACCESS ROAD FROM PARKING AREA TO THE TOP OF THE DAM
 - a. REMOVE AND REPLACE EXISTING CULVERTS
 - b. INSTALL STORMWATER QUALITY STRUCTURE
 - c. INSTALL RETAINING WALL
 - d. GRADE AND REPLACE SURFACE OF THE ACCESS ROADWAY
3. DREDGING AND OUTLET STRUCTURE REPLACEMENT:
 - a. SET UP HAUL ROAD FROM POOL OVER THE BEACH AREA TO THE ANTI-TRACKING APRON ADJACENT TO THE PARKING AREA
 - b. POOL PHASE 1:
 - i. INSTALL COFFERDAM AND TEMPORARY BYPASS PIPE. TIE BYPASS PIPE INTO EXISTING OUTLET PIPE. INSTALL EROSION CONTROL ALONG EXISTING CHANNEL WITHIN POOL.
 - ii. DEMOLISH EXISTING GLORYHOLE OUTLET STRUCTURE AND APPURTENANCES
 - iii. EXCAVATE DAM IN AREA OF THE NEW OUTLET STRUCTURE, AND STOCKPILE MATERIAL ON WEST SIDE OF OUTLET STRUCTURE
 - iv. INSTALL NEW OUTLET PIPE, AND OUTLET STRUCTURE
 - v. BACKFILL DAM AND OUTLET STRUCTURE
 - vi. DREDGE WEST SIDE OF EXISTING CHANNEL, CAST MATERIAL TO EAST SIDE OF CHANNEL
 - vii. EXCAVATE CHANNEL WEST OF EXISTING CHANNEL
 - viii. DREDGE EAST SIDE OF EXISTING CHANNEL
 - ix. STOCKPILE DREDGED MATERIAL IN AREA WEST OF EXISTING BEACH
 - c. POOL PHASE 2:
 - i. MOVE TEMPORARY BYPASS FROM OLD OUTLET TO NEW OUTLET STRUCTURE
 - ii. INSTALL SECOND COFFERDAM
 - iii. DEMOLISH EXISTING OUTLET PIPE AND HEADWALL
 - iv. INSTALL WINGWALL FOR NEW OUTLET STRUCTURE
 - v. COMPLETE DREDGING IN AREA OF OUTLET STRUCTURE
 - vi. STABILIZE AREA OF DAM AROUND NEW OUTLET STRUCTURE
 - vii. REMOVE DEBRIS AND MAKE IMPROVEMENTS TO EMERGENCY SPILLWAY
 - d. POOL PHASE 3:
 - i. REMOVE EROSION CONTROL ALONG EXISTING CHANNEL
 - ii. CLOSE NEW LOW LEVEL OUTLET ON OUTLET STRUCTURE
 - iii. REMOVE COFFERDAM AND TEMPORARY BYPASS PIPING
 - iv. EXCAVATE AND DREDGE AREA OF EXISTING CHANNEL, WORKING FROM SOUTH TO NORTH
 - v. ALLOW FLOW TO IMPOUND DURING DREDGING OPERATION UP TO MID-LEVEL OUTLET
 - vi. INSTALL NEW EMERGENCY SPILLWAY WEST OF THE OUTLET STRUCTURE
 - c. REMOVAL OF DREDGED MATERIAL:
 - i. DREDGED MATERIAL WILL BE STOCKPILED WEST OF THE EXISTING BEACH AREA FOR DEWATERING
 - ii. ONCE THE MATERIAL IS DRY, IT WILL BE LOADED INTO TRUCKS TO BE HAULED OFFSITE
 - iii. TRUCKS WILL UTILIZE THE HAUL ROAD FROM THE PARKING AREA TO THE STOCKPILE, CROSSING THE ANTI-TRACKING APRON
 - iv. ONCE MATERIAL REMOVAL IS COMPLETE, THE AREA WILL BE RE-GRADED AND RESTORED
4. BEACH AREA IMPROVEMENTS:
 - a. INSTALL NEW BEACH WALL
 - b. INSTALL AND GRADE NEW BEACH SURFACE
 - c. RE-INSTALL DOCK AND SWIM PLATFORM
5. ACCESS ROAD TO NORTH SIDE OF BEACH
 - a. INSTALL SITE E&S CONTROLS
 - b. PERFORM CLEARING AND GRUBBING OPERATIONS
 - c. ROUGH GRADE ACCESS ROAD ALIGNMENT
 - d. INSTALL AND COMPACT GRAVEL ROADWAY SURFACE
 - e. STABILIZE DISTURBED AREAS
 - f. REMOVE E&S CONTROLS
6. RECREATION AREA IMPROVEMENTS:
 - a. INSTALL E&S MEASURES ALONG DOWN GRADIENT EDGE OF THE RECREATION AREA, ALONG EDGE OF BEACH
 - b. PERFORM CLEARING AND EARTHWORK OPERATIONS
 - c. INSTALL RAIN GARDEN AT EDGE OF PARKING LOT
 - d. INSTALL PROPOSED RECREATION IMPROVEMENTS
 - e. STABILIZE DISTURBED AREAS
 - f. REMOVE E&S CONTROLS
7. SITE CLOSE-OUT:
 - a. UPON COMPLETION OF SITE IMPROVEMENTS, BEGIN FILLING THE POOL BY CLOSING LOW AND MID-LEVEL OUTLETS IN THE OUTLET STRUCTURE. ADDITIONAL MASSACHUSETTS DIVISION OF FISHERIES AND WILDLIFE (MASSWILDLIFE) PROTOCOLS WILL NEED TO BE FOLLOWED BASED UPON AGENCY REVIEWS.
 - b. ONCE SITE IS FULLY STABILIZED, REMOVE SITE WIDE E&S CONTROLS.

MAP REFERENCE:

1. EXISTING CONDITIONS DEPICTED ON THIS PLAN ARE BASED ON A PLAN ENTITLED: TOPOGRAPHICAL PLAN OF LAND IN CONWAY, MASSACHUSETTS, SURVEYED FOR CONWAY COMMUNITY SWIMMING POOL, INC., DATED REVISED THROUGH DECEMBER 7, 2012, SURVEYED BY HERITAGE SURVEYS, INC. COLLEGE HIGHWAY & CLARK STREET, POST OFFICE BOX 1, SOUTHAMPTON, MASSACHUSETTS.

LEGEND & ABBREVIATIONS

-
- The diagram illustrates various erosion control measures proposed for a 100-foot wide right-of-way. The measures are represented by different symbols and patterns along a horizontal line:
- LIMIT OF WORK & DISTURBANCE:** Indicated by a dashed line.
 - PROPOSED SAND BAG COFFER DAM:** Represented by a chain-link fence pattern.
 - PROPOSED TEMPORARY BYPASS:** Represented by a double horizontal line.
 - PROPOSED CLEARING LIMIT:** Represented by a wavy line.
 - PROPOSED SILT FENCE BACKED W/STRAW BALE:** Represented by a line with 'S' markers.
 - PROPOSED EROSION CONTROL BLANKET:** Represented by a stippled pattern.
 - PROPOSED SOIL BERM:** Represented by a solid line with 'SB' markers.
 - PROPOSED MINOR CONTOURS:** Represented by a line with '60' markers.
 - PROPOSED MAJOR CONTOURS:** Represented by a line with '61' markers.
 - R&D (REMOVE & DISPOSE):** Indicated by a solid line.
 - R&R (REMOVE & REPLACE):** Indicated by a solid line.
 - DRAINAGE PATHWAY:** Indicated by an arrow pointing right.



MAP REFERENCE:

1. EXISTING CONDITIONS DEPICTED ON THIS PLAN ARE BASED ON A PLAN ENTITLED: TOPOGRAPHICAL PLAN OF LAND IN CONWAY, MASSACHUSETTS, SURVEYED FOR CONWAY COMMUNITY SWIMMING POOL, INC., DATED REVISED THROUGH DECEMBER 7, 2012, SURVEYED BY HERITAGE SURVEYS, INC. COLLEGE HIGHWAY & CLARK STREET, POST OFFICE BOX 1, SOUTHAMPTON, MASSACHUSETTS.

LEGEND & ABBREVIATIONS

-

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CONWAY COMMUNITY SWIMMING POOL INC.

SITE LAYOUT PLAN

SITE IMPROVEMENTS

CONWAY MASSACHUSETTS

PROJ. No.: 20120989 A10

DATE: 02/07/2013

FUSS & O'NEILL

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REVISIONS

No.	DATE	DESCRIPTION
1.	02/07/2013	SUBMITTED FOR PERMITTING
2.	3/19/2013	REVISED PER P.S. USACE COMMENTS

SCALE:

HORIZ.: 1" = 40'

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DATUM: _____

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GRAPHIC SCALE

SCALE:

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GRAPHIC SCALE

SCALE:

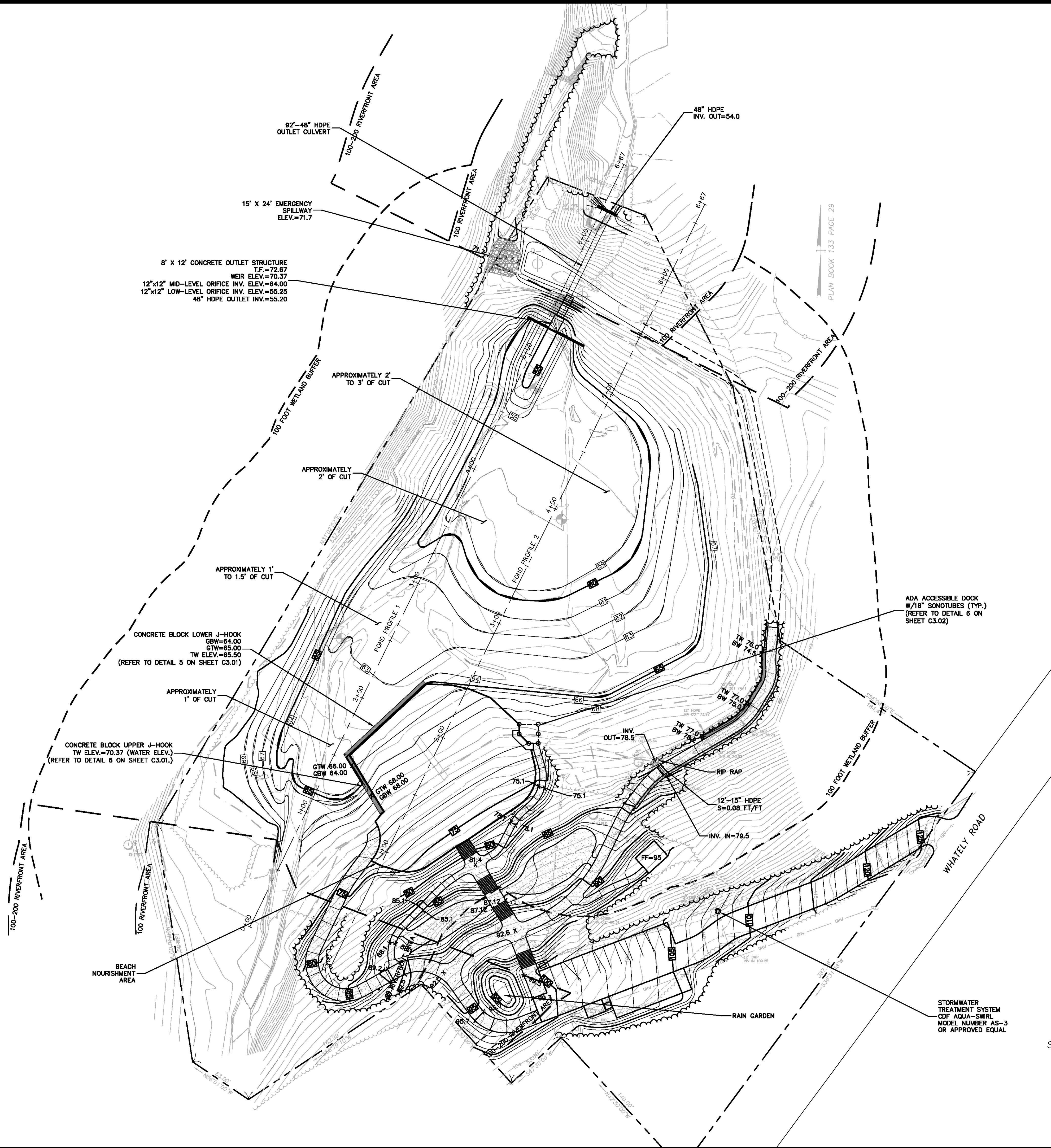
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PROPOSED VOLUMES	
	VOLUME
DREDGING	80990 C.F. 3000 C.Y.

MAP REFERENCE:

- EXISTING CONDITIONS DEPICTED ON THIS PLAN ARE BASED ON A PLAN ENTITLED: TOPOGRAPHICAL PLAN OF LAND IN CONWAY, MASSACHUSETTS, SURVEYED FOR CONWAY COMMUNITY SWIMMING POOL, INC., DATED REVISED THROUGH DECEMBER 7, 2012, SURVEYED BY HERITAGE SURVEYS, INC. COLLEGE HIGHWAY & CLARK STREET, POST OFFICE BOX 1, SOUTHAMPTON, MASSACHUSETTS.

LEGEND	
	PROPOSED MINOR CONTOURS
	PROPOSED MAJOR CONTOURS
	PROPOSED OUTLET CULVERT
	PROPOSED RIP RAP
TW	TOP OF WALL
GBW	GRADE AT BOTTOM OF WALL
BTW	GRADE AT TOP OF WALL

CONWAY COMMUNITY SWIMMING POOL INC.

SITE GRADING & DRAINAGE PLAN

SITE IMPROVEMENTS

CONWAY

PROJ. No.: 20120989.A10

DATE: 02/07/2013

C1.30

SHEET 8 OF 17

SCALE: HORIZ.: 1" = 40'

VERT.: 1" = 4'

DATUM: NAVD83

HORIZ.: 1" = 40'

VERT.: 1" = 4'

GRAPHIC SCALE

FUSS & O'NEILL

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www.fussdo.com

MASSACHUSETTS

1. 3/18/2013

2. 02/07/2013

REVISOR

DESIGNER

ATB

ATB

REVISOR

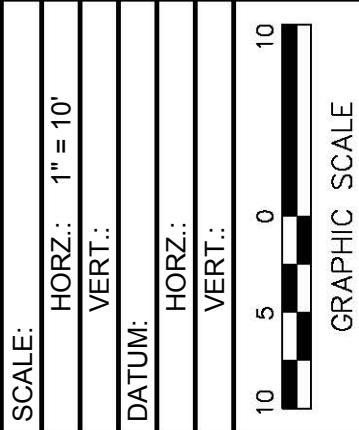
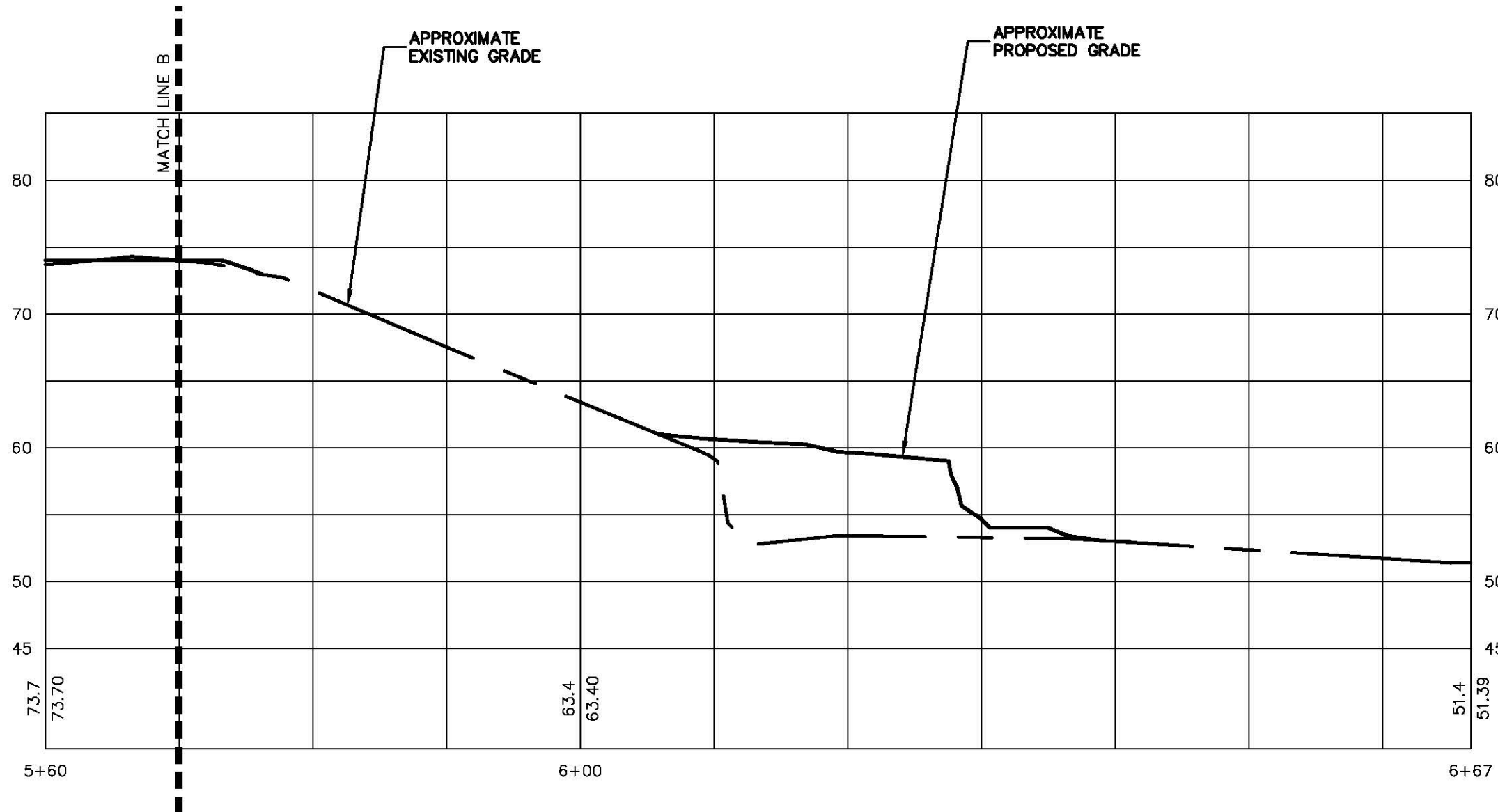
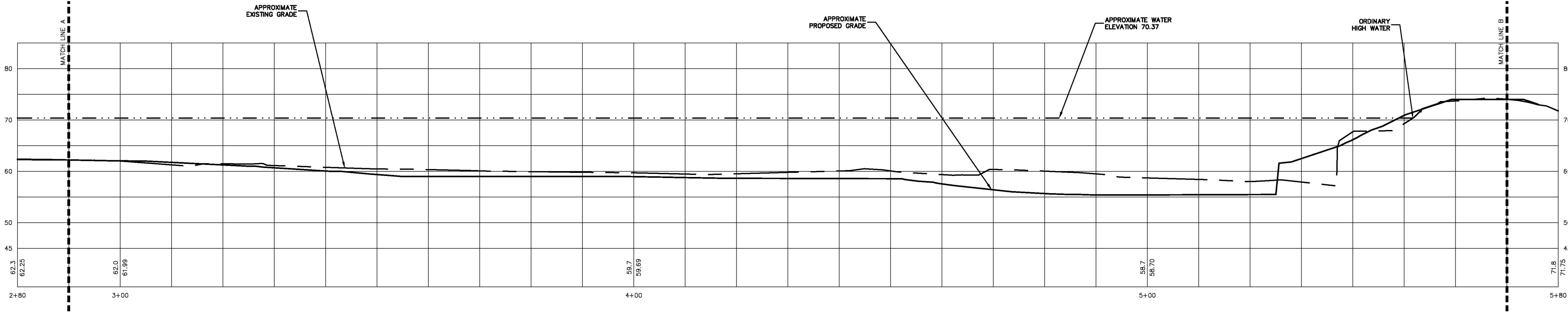
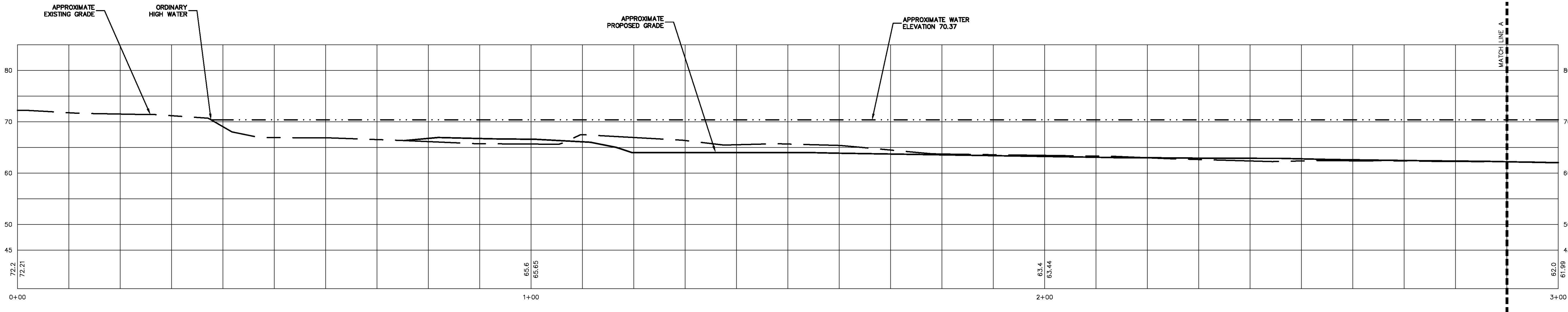
DESIGNER

ATB

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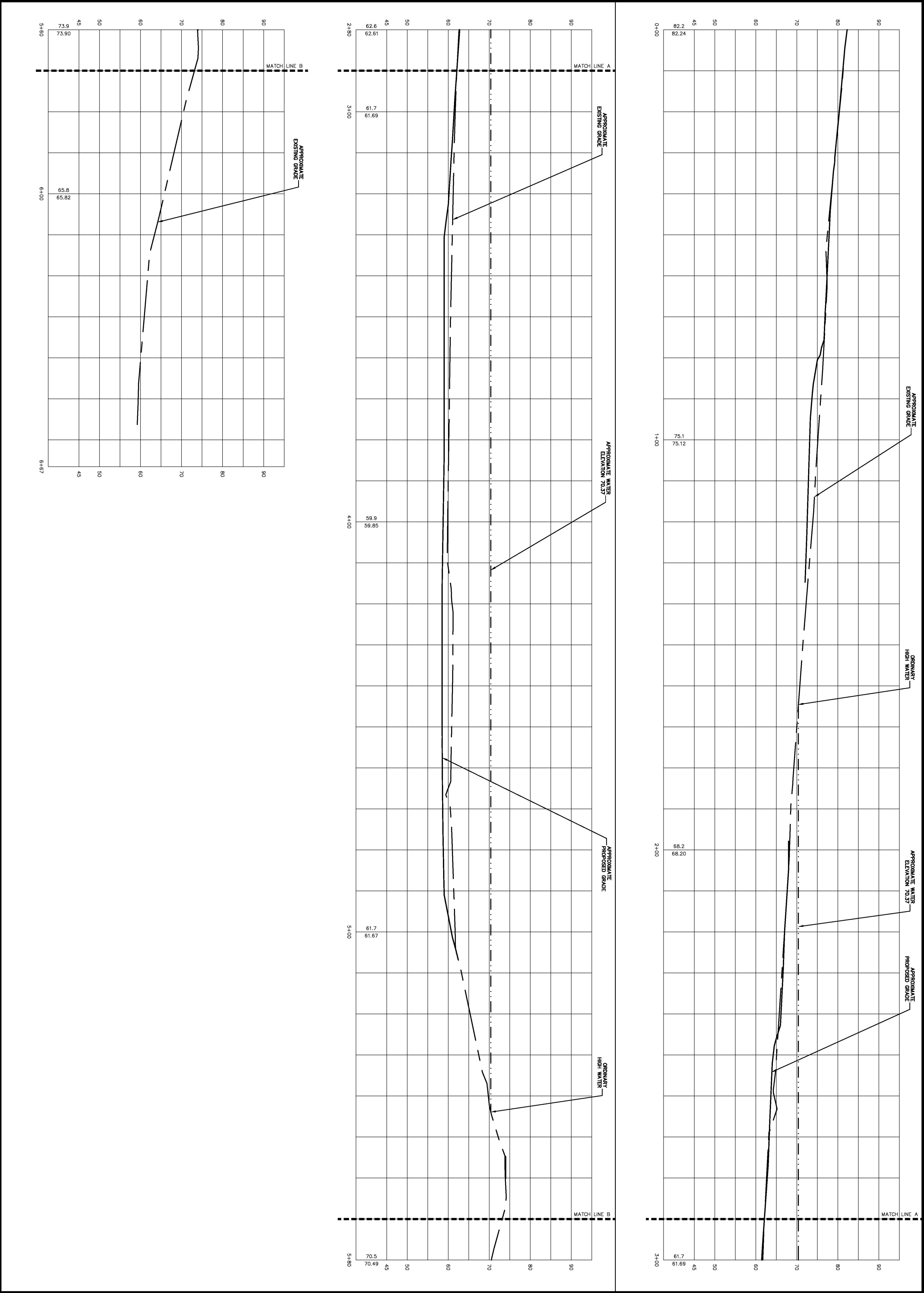
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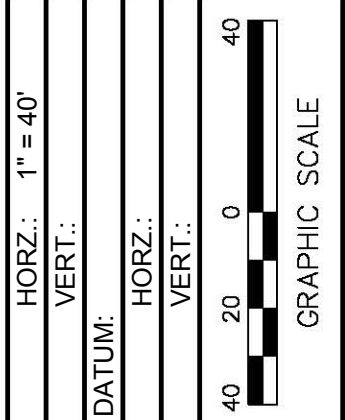
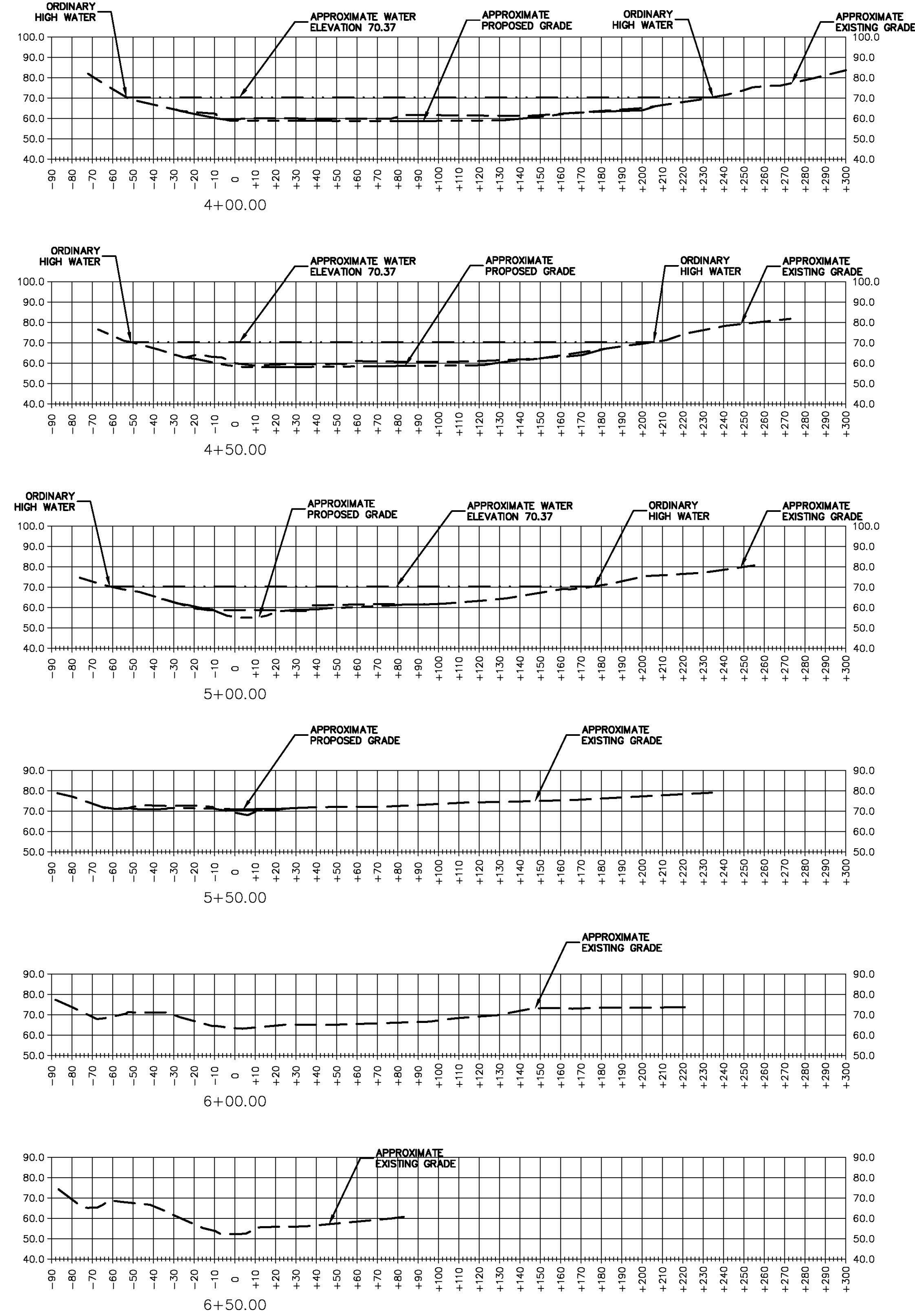
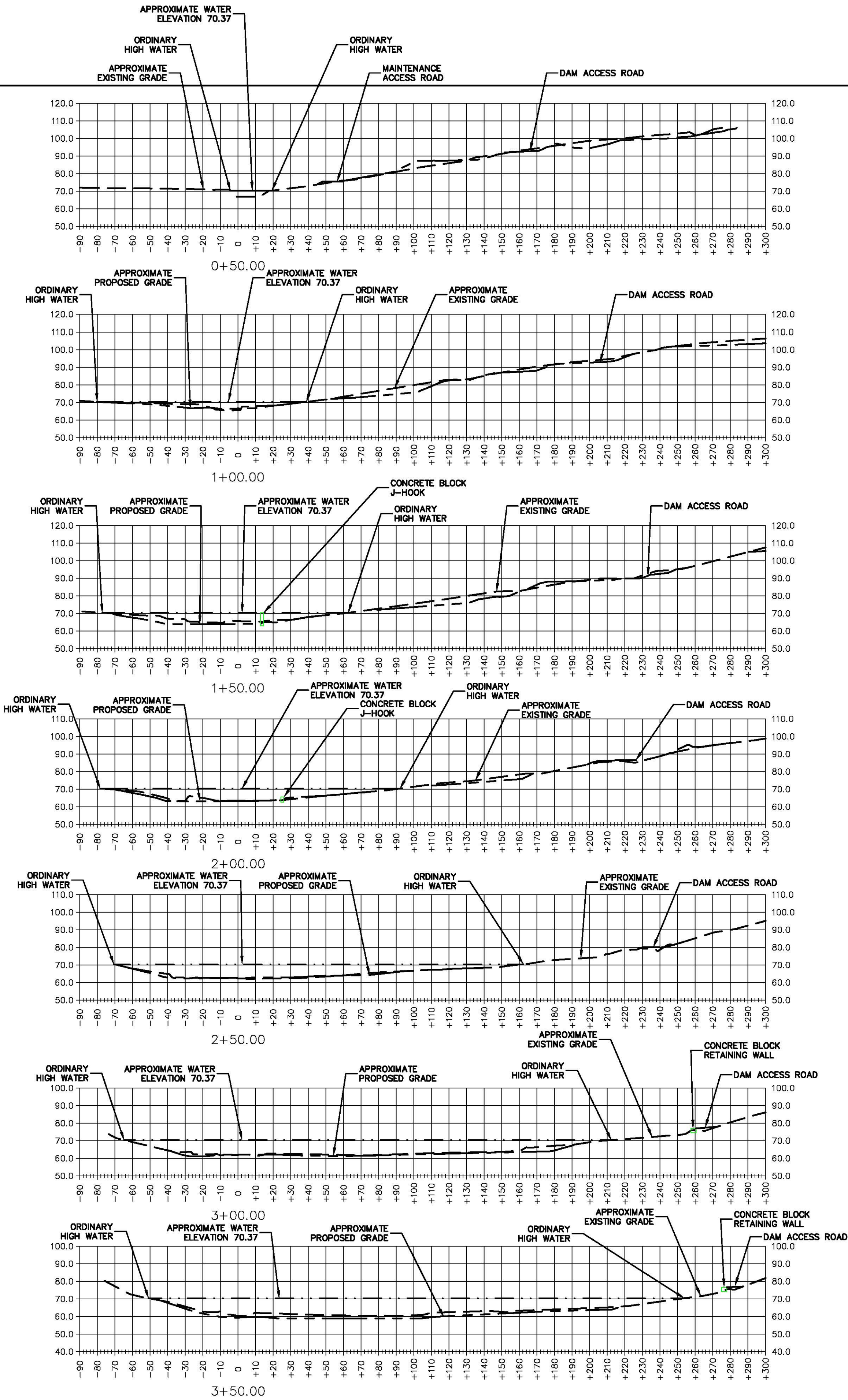


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CONWAY COMMUNITY SWIMMING POOL INC.
POND PROFILE 1
SITE IMPROVEMENTS
CONWAY MASSACHUSETTS

PROJ. No.: 20120989.A10
DATE: 02/07/2013



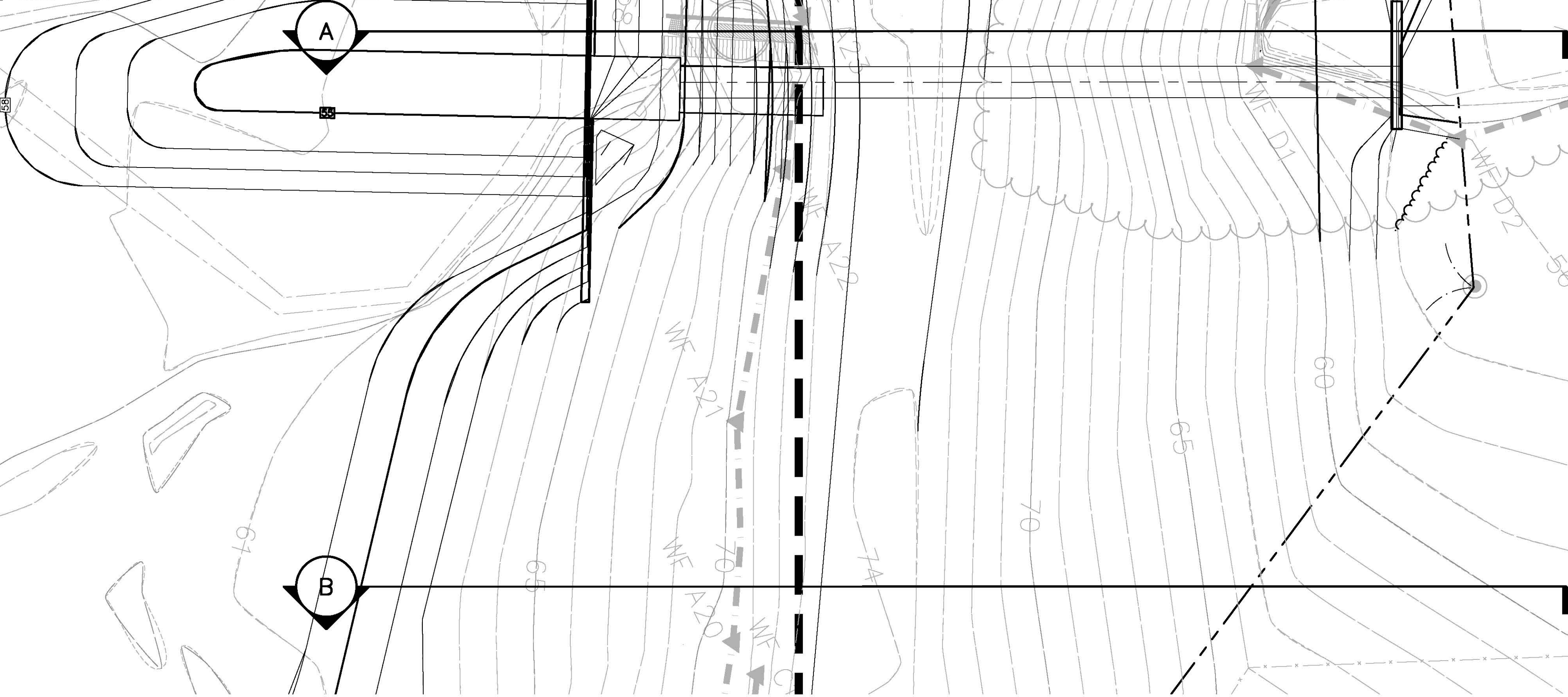
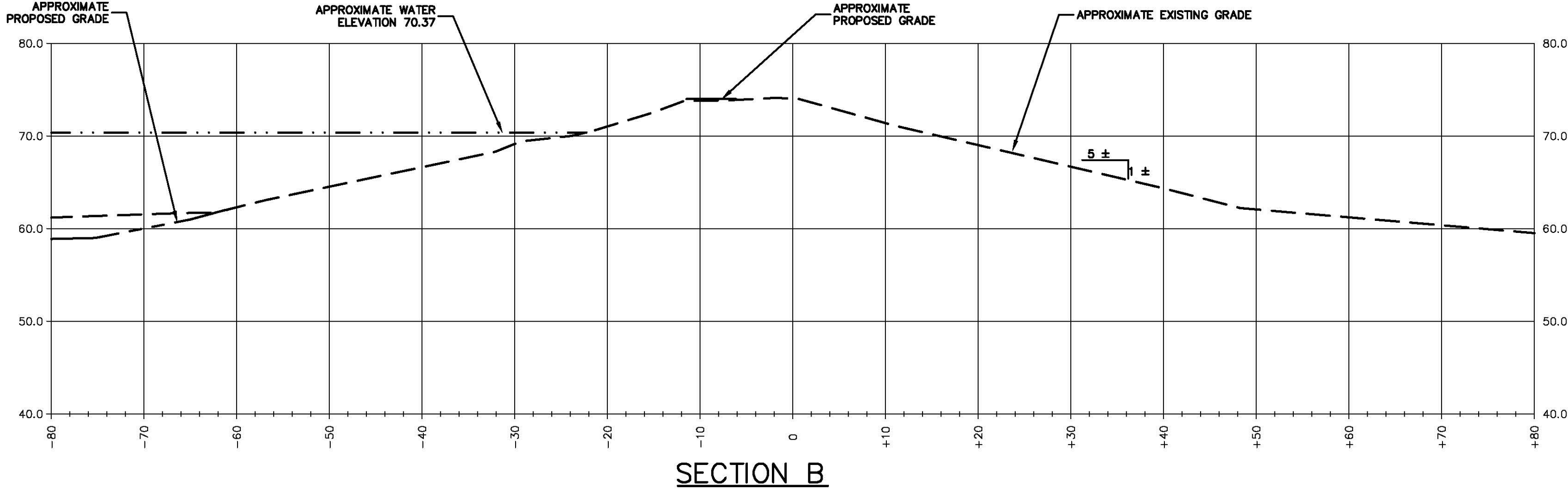


CONWAY COMMUNITY SWIMMING POOL INC.
POND CROSS SECTIONS
SITE IMPROVEMENTS
CONWAY MASSACHUSETTS

PROJ. No.: 20120989.A10
DATE: 02/07/2013

C2.02

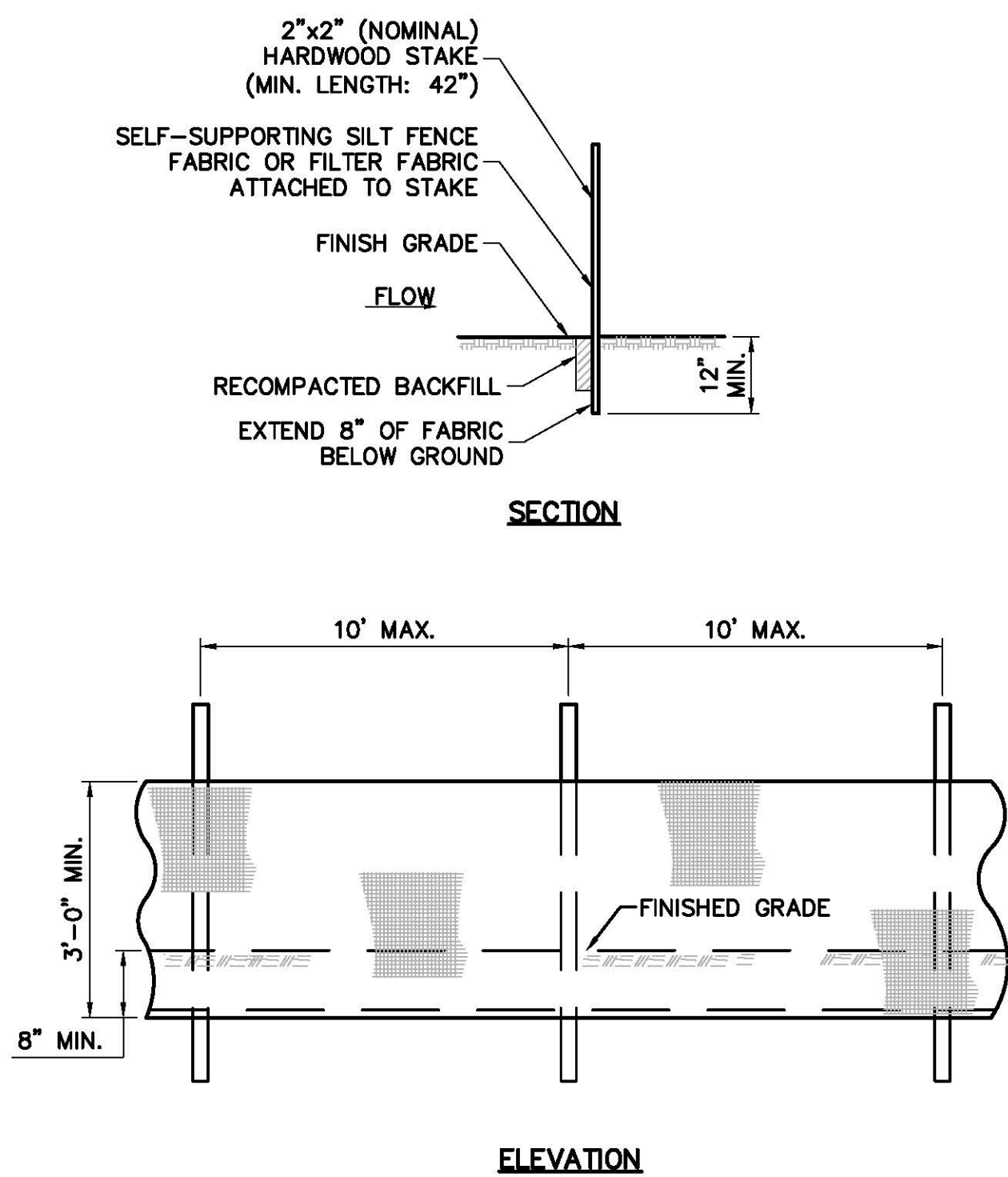
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CONWAY COMMUNITY SWIMMING POOL INC.	
DAM CROSS SECTIONS	
SITE IMPROVEMENTS	
CONWAY	MASSACHUSETTS

PROJ. No.: 20120989.A10
DATE: 02/07/2013
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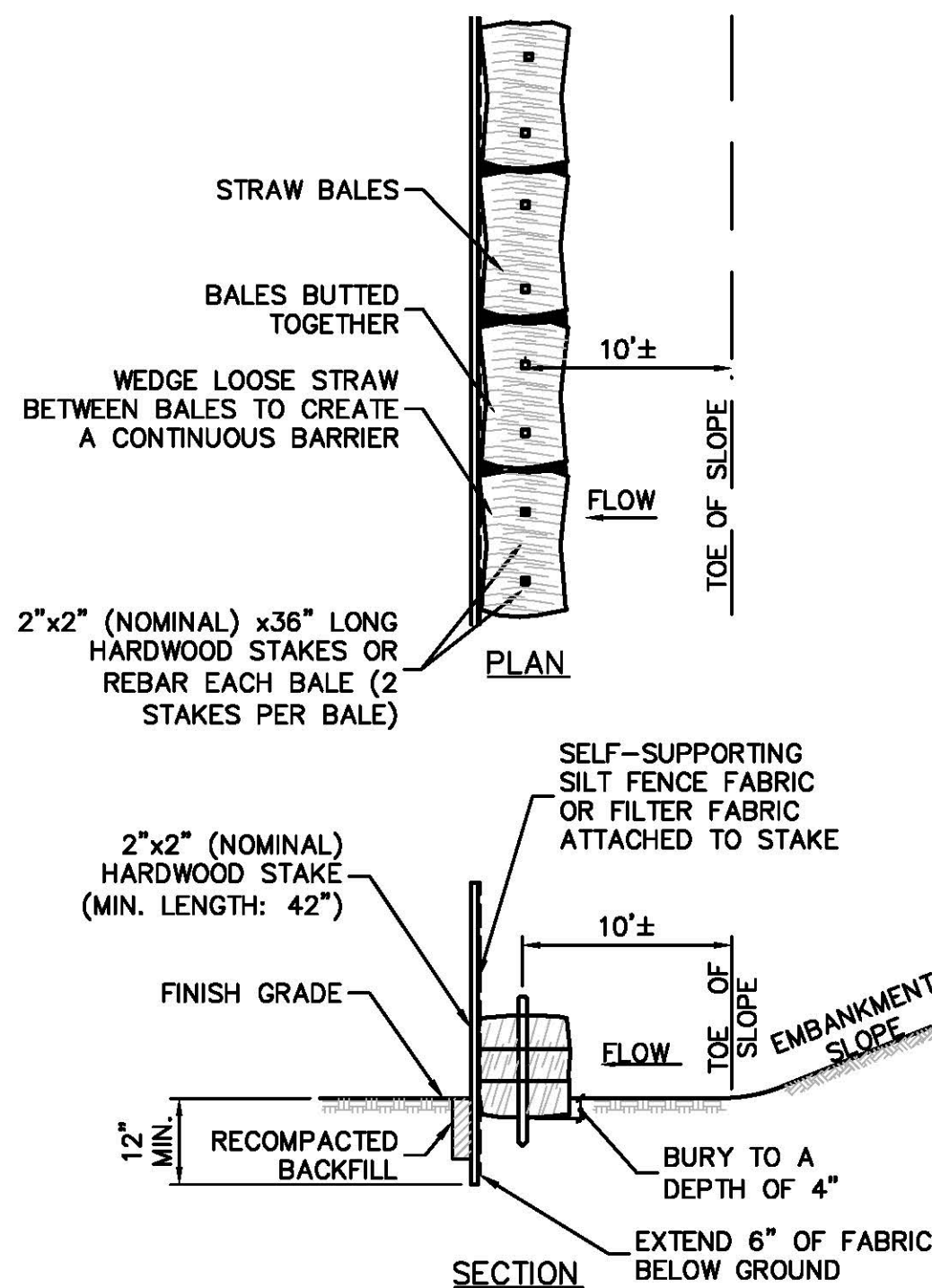


SILT FENCE NOTES:

- 1.) INSTALL SILT FENCE & WOOD STAKES AS RECOMMENDED BY MANUFACTURER.
- 2.) SYNTHETIC FILTER FABRIC SHALL BE A PERVIOUS SHEET OF PROPYLENE, NYLON, POLYESTER OR ETHYLENE FILAMENTS AND SHALL BE CERTIFIED BY THE MANUFACTURER OR SUPPLIER AS CONFORMING TO THE SPECIFICATIONS.

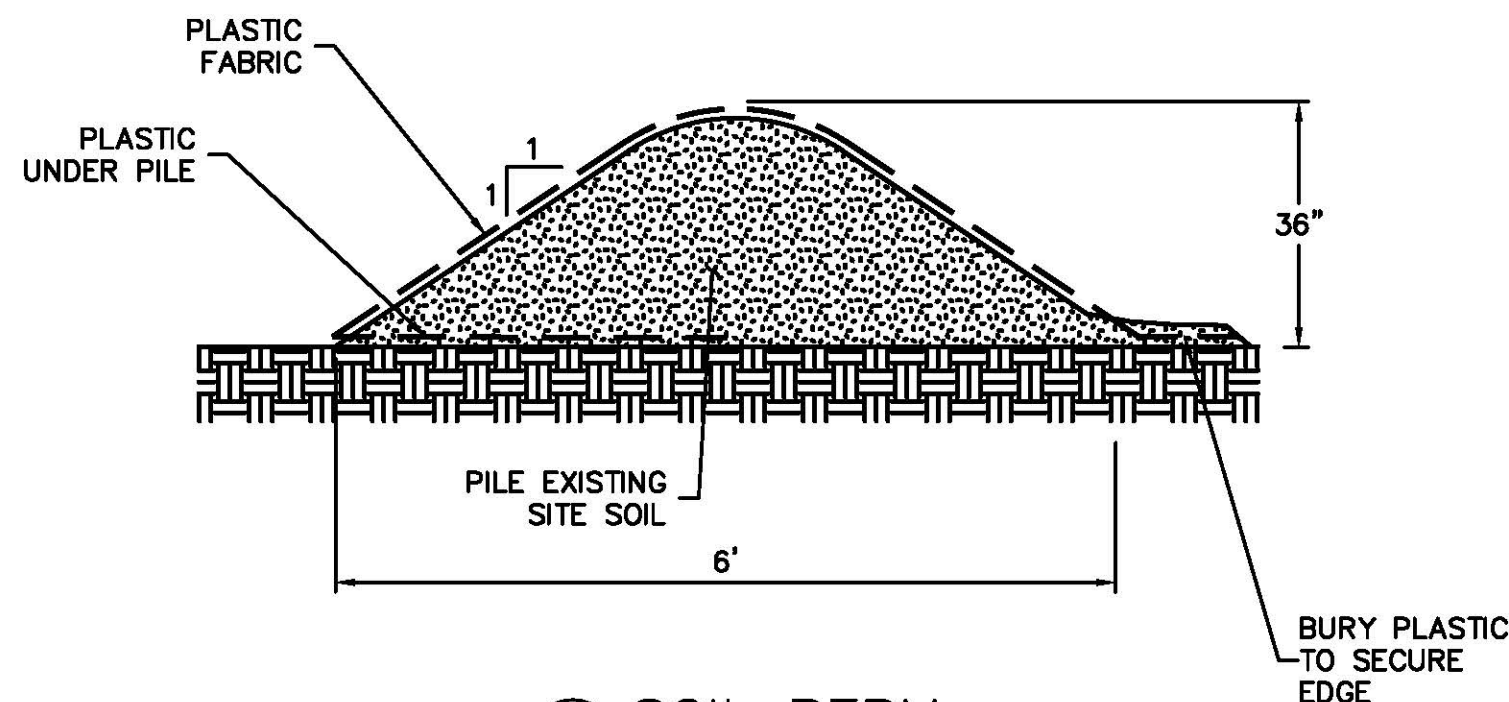
① SILT FENCE

N.T.S.



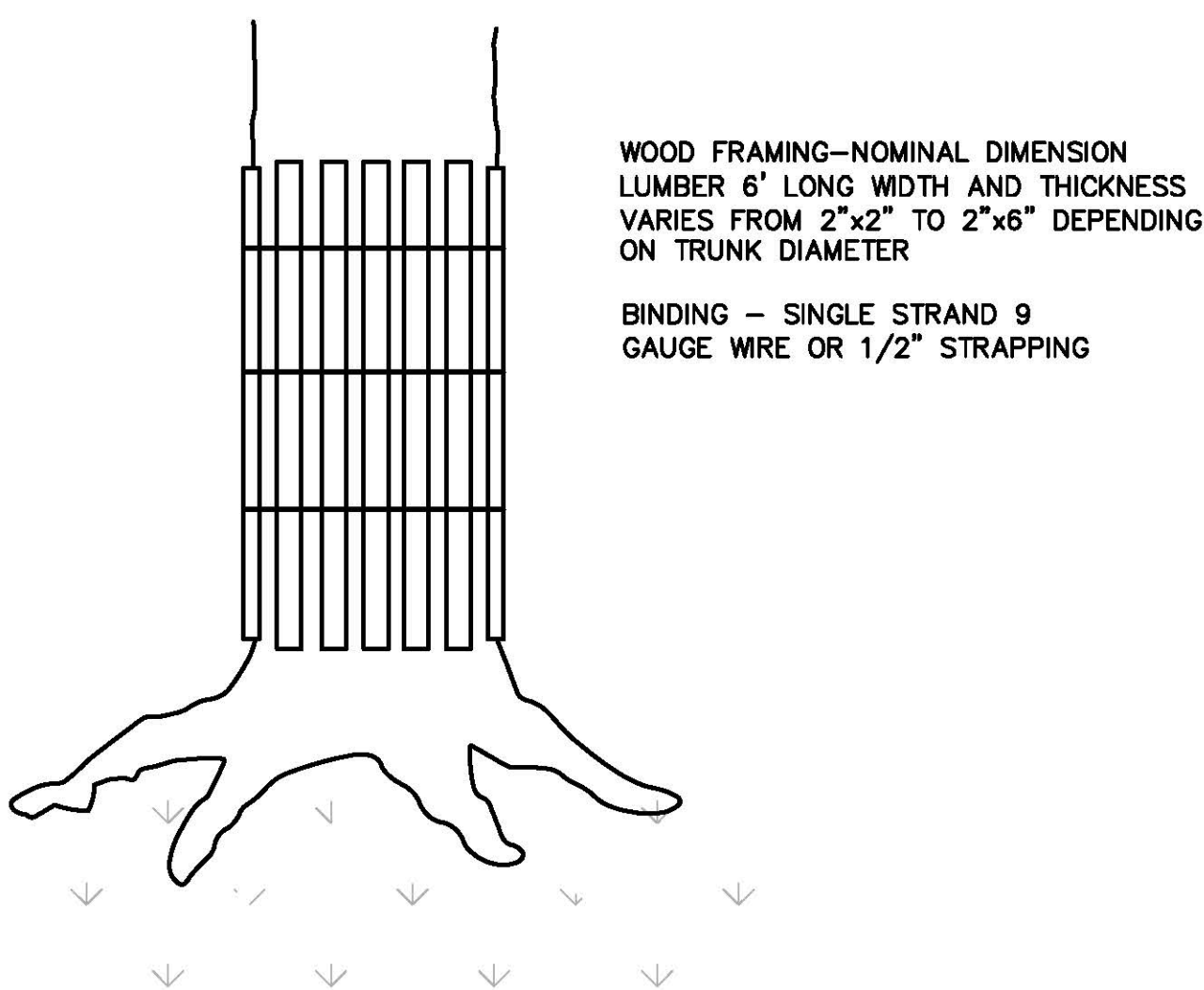
② SILT FENCE W/STRAW BALES

N.T.S.



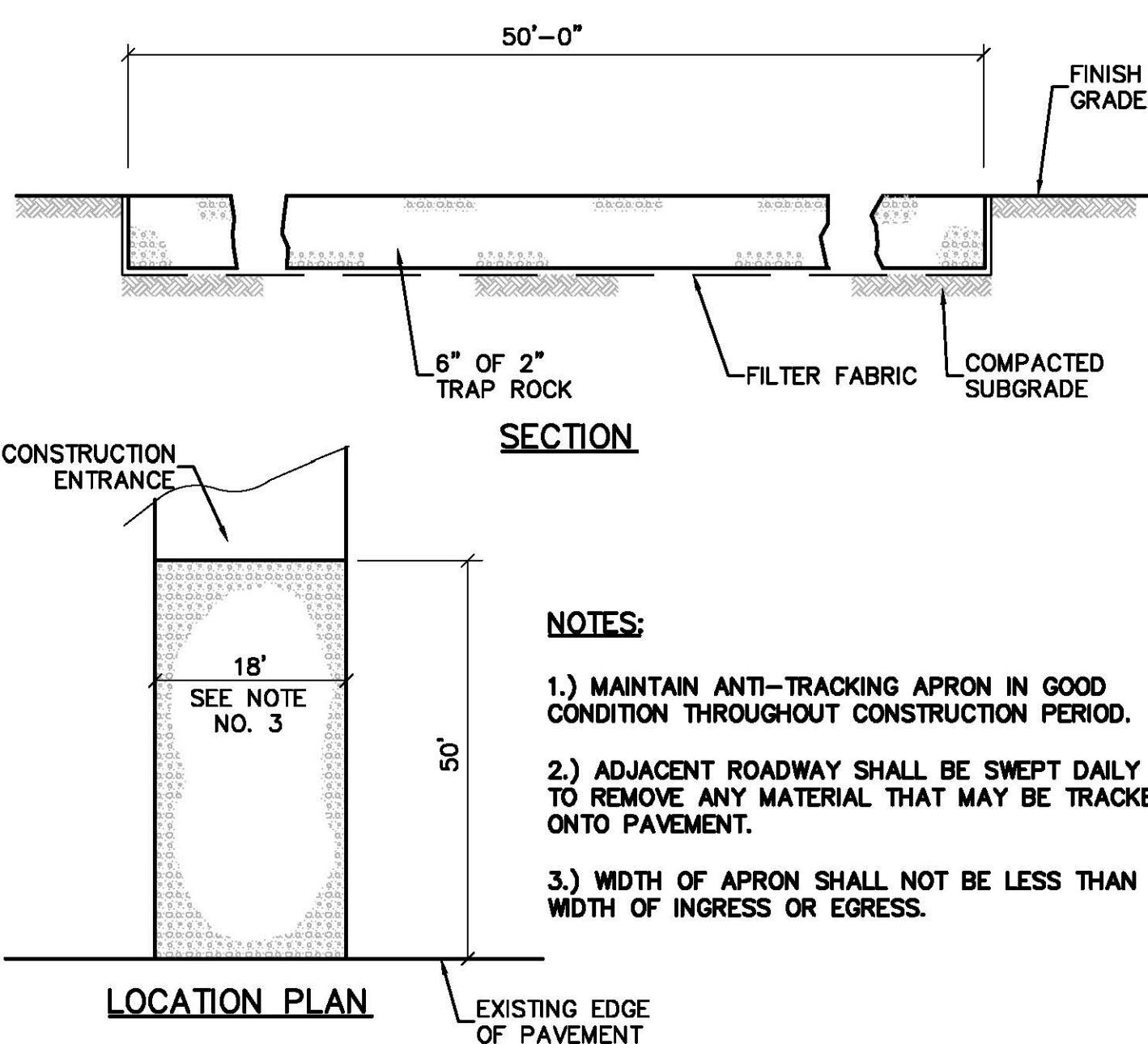
⑤ SOIL BERM

N.T.S.



⑥ TREE PROTECTION DEVICE

N.T.S.

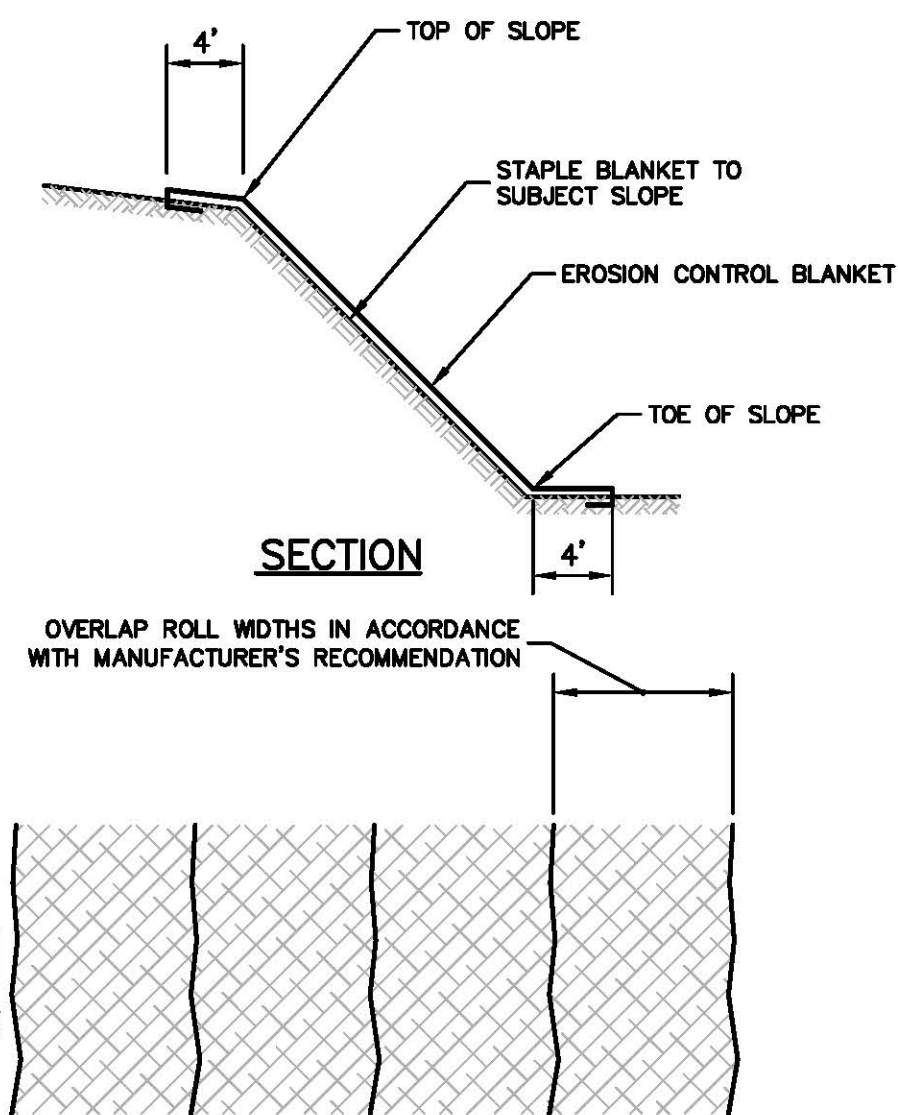


NOTES:

- 1.) MAINTAIN ANTI-TRACKING APRON IN GOOD CONDITION THROUGHOUT CONSTRUCTION PERIOD.
- 2.) ADJACENT ROADWAY SHALL BE SWEEPED DAILY TO REMOVE ANY MATERIAL THAT MAY BE TRACKED ONTO PAVEMENT.
- 3.) WIDTH OF APRON SHALL NOT BE LESS THAN WIDTH OF INGRESS OR EGRESS.

④ ANTI-TRACKING APRON

N.T.S.

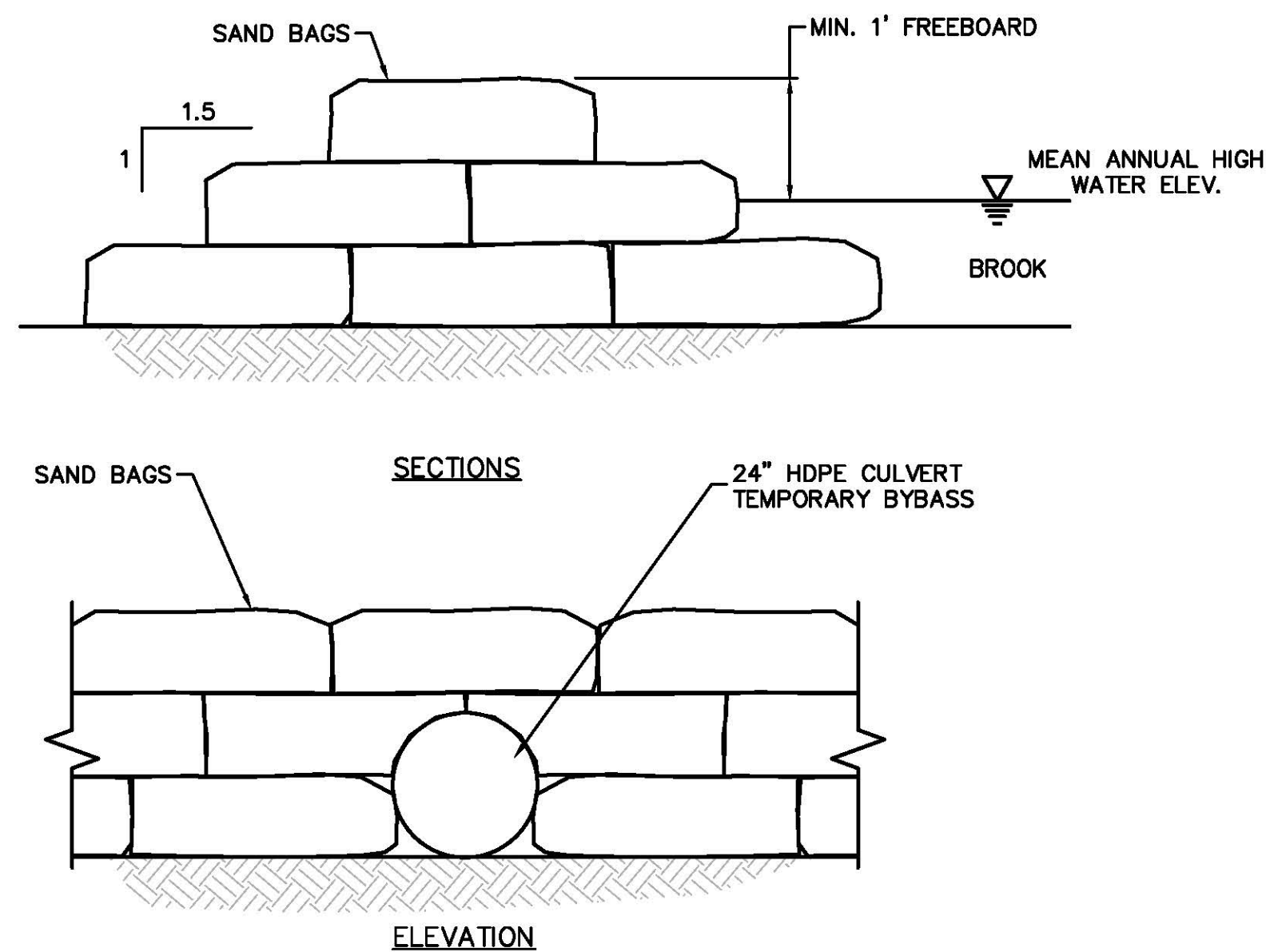


NOTE:

REFER TO MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR DETAILS ON INSTALLATION INCLUDING STAPLING PATTERN, OVERLAPPING DETAILS, EDGE EMBEDMENT, AND ANCHOR DETAILS. TO BE INSTALLED ON SLOPES 3:1 OR GREATER.

③ EROSION CONTROL BLANKET

N.T.S.



⑦ TEMPORARY COFFER DAM

N.T.S.

EROSION & SEDIMENT CONTROL NOTES

1. EROSION AND SEDIMENT CONTROL MEASURES WILL BE INSTALLED PRIOR TO STUMP REMOVAL AND CONSTRUCTION. STABILIZATION OF ALL REGRADED AND SOIL STOCKPILE AREAS WILL BE INITIATED AND MAINTAINED DURING ALL PHASES OF CONSTRUCTION.
2. SEDIMENT REMOVED FROM EROSION CONTROL STRUCTURES WILL BE DISPOSED OF IN A MANNER WHICH IS CONSISTENT WITH THE INTENT OF THIS PLAN. ALL STRAW BALES OR SILT FENCE RETAINING SEDIMENT OVER 6" HIGH SHALL HAVE THE SEDIMENT REMOVED AND ALL DAMAGED EROSION CONTROLS REMOVED AND REPLACED.
3. THE CONTRACTOR WILL BE ASSIGNED THE RESPONSIBILITY FOR IMPLEMENTING THIS EROSION AND SEDIMENT CONTROL PLAN. THIS RESPONSIBILITY INCLUDES THE INSTALLATION AND MAINTENANCE OF CONTROL MEASURES, INFORMING ALL PARTIES ENGAGED ON THE CONSTRUCTION SITE OF THE REQUIREMENTS AND OBJECTIVES OF THE PLAN, AND NOTIFYING THE PROPER TOWN AGENCY OF ANY TRANSFER OF THIS RESPONSIBILITY. THE OWNER SHALL BE RESPONSIBLE FOR CONVEYING A COPY OF THE EROSION AND SEDIMENT CONTROL PLAN IF THE TITLE TO THE LAND IS TRANSFERRED.
4. THE CONTRACTOR SHALL BE RESPONSIBLE TO CONTROL DUST AND WIND EROSION THROUGHOUT THE LIFE OF HIS CONTRACT. DUST CONTROL SHALL INCLUDE, BUT IS NOT LIMITED TO, SPRINKLING OF WATER ON EXPOSED SOILS AND HAUL ROADS. CONTRACTOR SHALL CONTROL DUST TO PREVENT A HAZARD TO TRAFFIC ON ADJACENT ROADWAYS.
5. IF FINAL GRADING IS TO BE DELAYED FOR MORE THAN THIRTY (30) DAYS AFTER LAND DISTURBANCES CEASE, TEMPORARY VEGETATION OR MULCH SHALL BE USED TO STABILIZE SOILS. OUTSIDE OF THE GROWING SEASON, ONLY WOOD MULCH SHALL BE USED.
6. WHERE DEWATERING IS NECESSARY, THERE SHALL NOT BE A DISCHARGE DIRECTLY INTO WETLANDS OR WATERCOURSES. PROPER METHODS AND DEVICES SHALL BE UTILIZED TO THE EXTENT PERMITTED BY LAW, SUCH AS PUMPING WATER INTO A TEMPORARY SEDIMENTATION BASIN, PROVIDING SURGE PROTECTION AT THE INLET AND THE OUTLET OF PUMPS, FLOATING THE INTAKE OF THE PUMP, OR OTHER METHODS TO MINIMIZE AND RETAIN THE SUSPENDED SOLIDS. IF A PUMPING OPERATION IS CAUSING TURBIDITY PROBLEMS, SAID OPERATION SHALL CEASE UNTIL SUCH TIME AS FEASIBLE MEANS OF CONTROLLING TURBIDITY ARE DETERMINED AND IMPLEMENTED. THE CONTRACTOR MUST SUBMIT HIS DESIGN ALONG WITH THE LOCATIONS OF THE BASIN TO THE TOWN PRIOR TO CONSTRUCTION.
7. INSPECTION -- A CERTIFIED SOIL SCIENTIST OR ENGINEER SHALL INSPECT ALL DISTURBED AREAS OF THE CONSTRUCTION ACTIVITY THAT HAVE NOT BEEN FINALLY STABILIZED, STRUCTURAL CONTROL MEASURES, AND LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE AT LEAST ONCE EVERY WEEK AND WITHIN 24 HOURS OF THE END OF A STORM THAT IS 1.0 INCH OR GREATER. INSPECTION REPORTS SHALL BE SUBMITTED TO THE OWNER WEEKLY, AND TO THE INLAND WETLANDS AGENT AND THE PLANNING & ZONING COMMISSION MONTHLY. WHERE SITES HAVE BEEN FINALLY STABILIZED, SUCH INSPECTION SHALL BE CONDUCTED AT LEAST ONCE EVERY MONTH FOR THREE MONTHS. CONTROLS SHALL BE CLEANED, REPAIRED, AND OR REPLACED AS REQUIRED. ANY DAMAGED CONTROLS SHALL BE REPAIRED IMMEDIATELY.

OPERATION & MAINTENANCE PLAN DURING CONSTRUCTION

AN OPERATION AND MAINTENANCE (O&M) PLAN DURING CONSTRUCTION FOR STORMWATER CONTROLS IS DESCRIBED AS FOLLOWS:

1. OWNER SHALL BE RESPONSIBLE FOR ALL OPERATION AND MAINTENANCE OF THE SITE.
2. NO EARTHWORK ACTIVITIES SHALL COMMENCE UNTIL EROSION AND SEDIMENTATION CONTROLS HAVE BEEN INSTALLED. EROSION AND SEDIMENTATION CONTROLS SHALL BE INSTALLED AS SHOWN ON THE DRAWINGS.
3. AREAS LEFT EXPOSED TO EROSION FOR MORE THAN SEVEN (7) DAYS SHALL BE ROUGH GRADED AND TEMPORARILY STABILIZED. AREAS DISTURBED BUT INACTIVE FOR MORE THAN THIRTY (30) DAYS SHALL BE TEMPORARILY SEEDED.
4. EROSION AND SEDIMENTATION CONTROLS SHALL BE MAINTAINED UNTIL SUCCESSFUL ESTABLISHMENT OF GROUND COVER.
5. PAVED AREAS SHALL BE KEPT FREE OF SEDIMENT, AND SHALL BE CLEANED PERIODICALLY AS REQUIRED BY CONSTRUCTION ACTIVITIES.
6. CULVERTS SHALL BE PERIODICALLY INSPECTED FOR THE ACCUMULATION OF SEDIMENT. ALL CATCH BASINS WITHIN THE PROJECT SHALL BE CLEANED AT THE END OF THE PROJECT.
7. THE CONTRACTOR IS RESPONSIBLE TO INSPECT AND REPAIR EROSION AND SEDIMENTATION CONTROL MEASURES AS REQUIRED TO PREVENT DAMAGE OR SEDIMENTATION.

OPERATION & MAINTENANCE POST CONSTRUCTION

SUGGESTED OPERATION AND MAINTENANCE ACTIVITIES AND PROPOSED SCHEDULE AFTER CONSTRUCTION AS FOLLOWS:

1. CONWAY COMMUNITY SWIMMING POOL, INC. WILL BE RESPONSIBLE FOR THE OPERATION AND MAINTENANCE OF THE STORMWATER COMPONENTS.
 2. REFER TO THE ATTACHED SITE PLAN FOR THE LOCATION OF THE STORMWATER COMPONENTS AND THEIR ACCESS AREAS.
 3. PAVED SURFACES WILL BE SWEEPED TWICE ANNUALLY, APRIL AND OCTOBER, TO REMOVE SAND AND DEBRIS FOLLOWING WINTER AND SUMMER MONTHS.
 4. AFTER MAJOR STORM EVENTS STONE DUST PATHS AND ACCESS ROADS SHALL BE INSPECT FOR EVIDENCE OF EROSION. ANY EROSION SHALL BE CLEANED UP AND REPAIRED.
 5. ALL CULVERTS WILL BE INSPECTED AT A MINIMUM OF FOUR (4) TIMES PER YEAR TO MAINTAIN PROPER OPERATION. REMOVE ACCUMULATED SEDIMENT AND DEBRIS FROM INLET AREA, OUTLET AREA AND CULVERT.
 6. AT LEAST TWICE PER YEAR, DURING THE SPRING (APRIL) AND FALL (NOVEMBER), THE OUTLET STRUCTURE WILL BE EXAMINED AND CLEANED, AND ALL FLOATABLES AND SOLIDS TRAPPED WILL BE REMOVED.
 7. THE POND SHALL BE INSPECTED AT LEAST TWICE A YEAR AND AFTER MAJOR STORM EVENTS. THE OUTLET STRUCTURE SHALL BE INSPECTED FOR EVIDENCE OF CLOGGING OR OUTFLOW RELEASE VELOCITIES THAT ARE GREATER THAN THE DESIGN FLOW. ALL UPPER-STAGE, SIDE SLOPES, EMBANKMENTS AND EMERGENCY SPILLWAY SHALL BE MOWED AT LEAST TWICE A YEAR. ADDITIONAL POND MAINTENANCE IS DESCRIBED BELOW IN SECTION 6, WINTER DRAW DOWN.
 8. THE EMERGENCY SPILLWAY SHALL BE INSPECTED AT LEAST TWICE A YEAR AND AFTER MAJOR STORM EVENTS. ACCUMULATED SEDIMENT, DEBRIS AND TRASH SHALL BE REMOVED. INSPECT FOR EVIDENCE OF EROSION, ANY EROSION SHALL BE REPAIRED.
 9. THE RAIN GARDEN SHALL BE INSPECTED MONTHLY FOR SOIL EROSION AND REPAIRED AS REQUIRED. LITTER AND TRASH SHALL BE REMOVED MONTHLY. MOWING MUST BE COMPLETED 2 TO 12 TIMES PER YEAR AS REQUIRED. MULCHING, FERTILIZING AND PRUNING SHALL BE COMPLETED ANNUALLY. DEAD VEGETATION SHALL BE REMOVED AND REPLACED TWICE A YEAR (SPRING AND FALL).
 10. THE STORMWATER TREATMENT SYSTEM SHALL BE INSPECTED IN ACCORDANCE WITH MANUFACTURES RECOMMENDATIONS.
8. REFER TO THE OPERATION AND MAINTENANCE PLAN FOR MORE DETAILED OPERATION AND MAINTENANCE FOR POST CONSTRUCTION.

No.	DATE	DESIGNER	REVIEWER
1.	02/07/2013	ATB	

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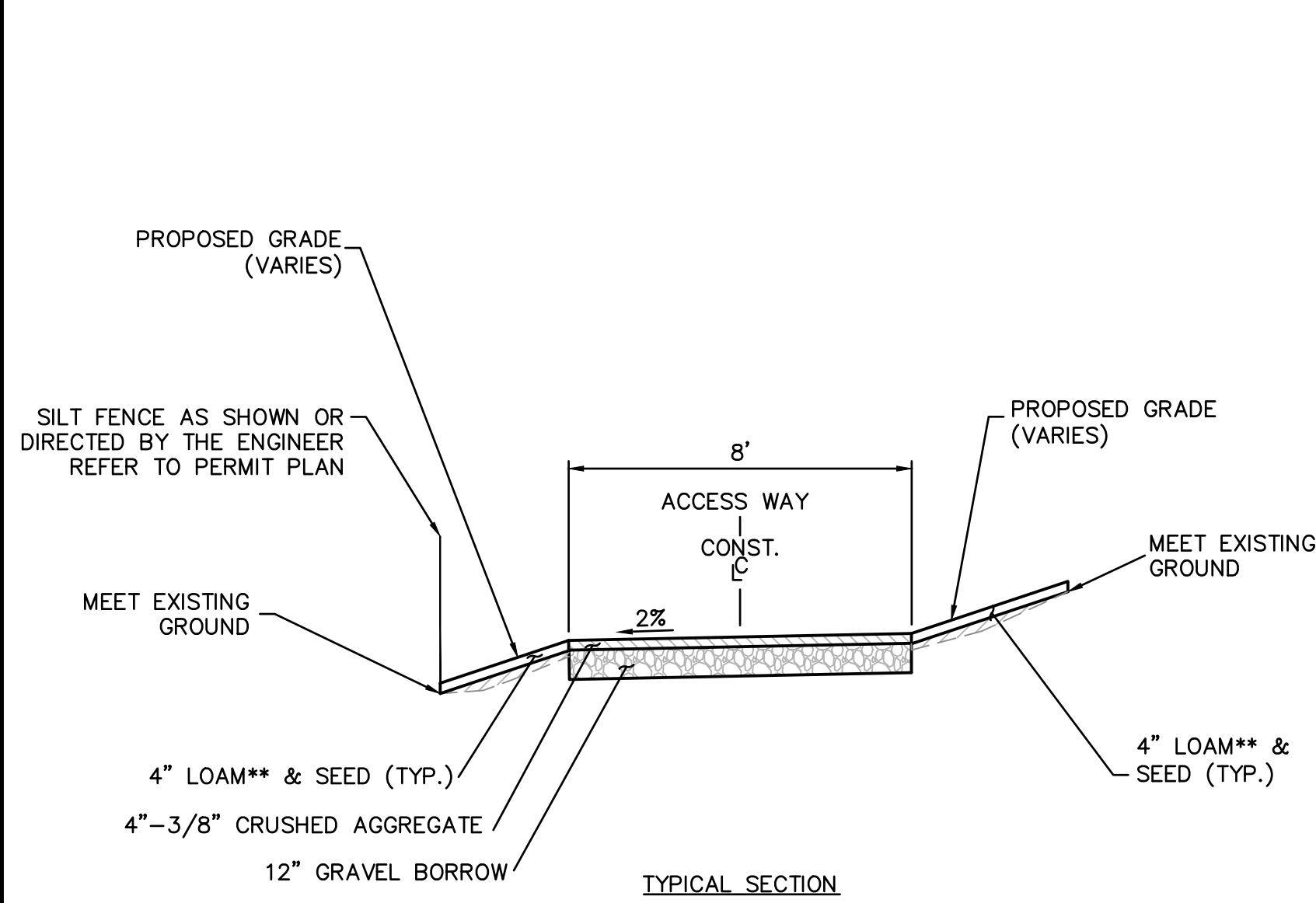
EROSION & SEDIMENTATION
CONTROL DETAILS
SITE IMPROVEMENTS

MASSACHUSETTS
CONWAY

PROJ. No.: 20120989A10
DATE: 02/07/2013

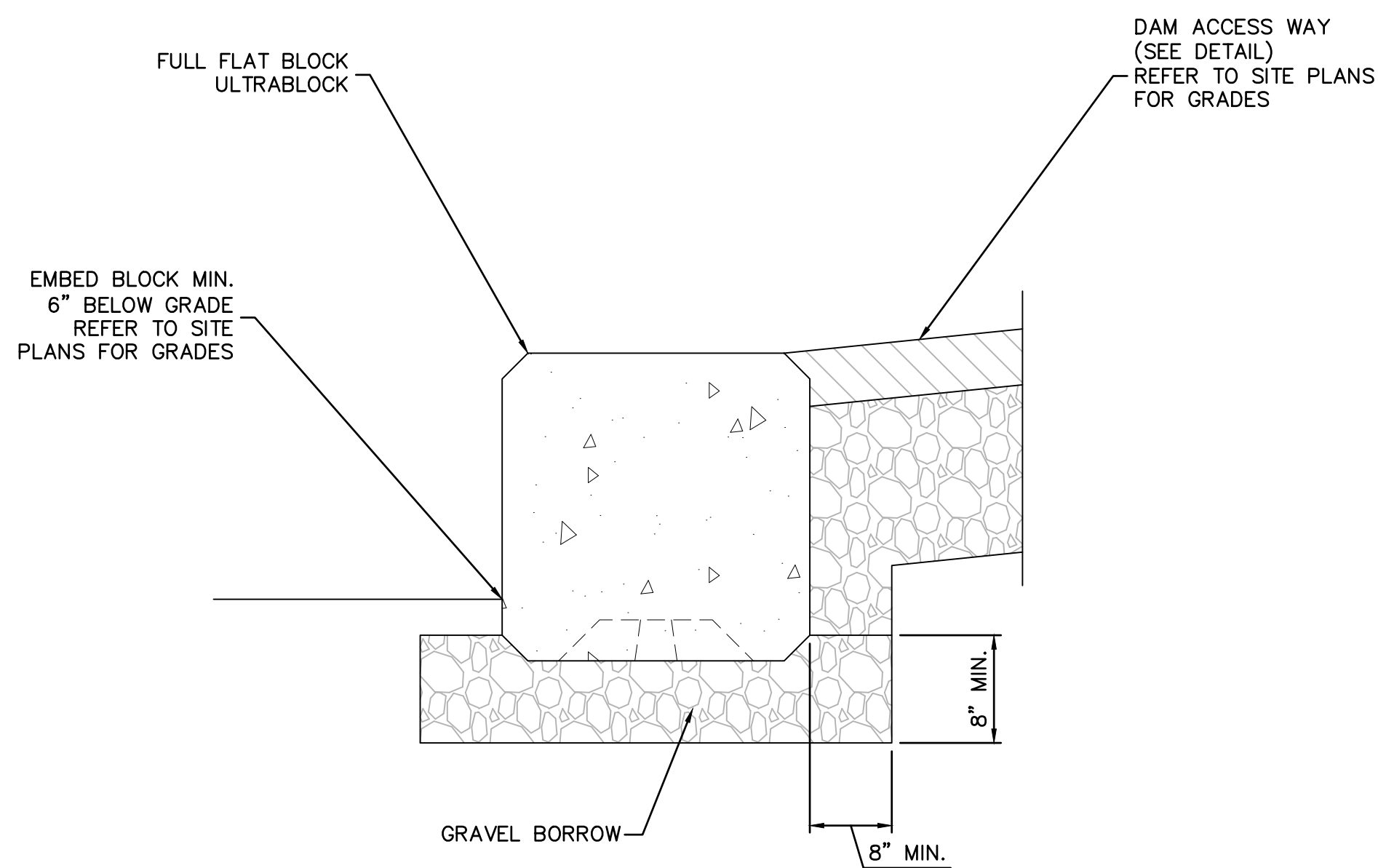
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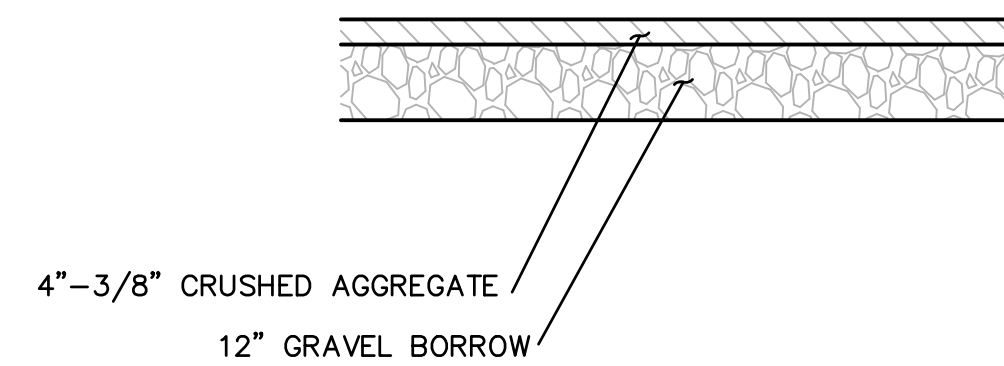


① DAM ACCESS WAY
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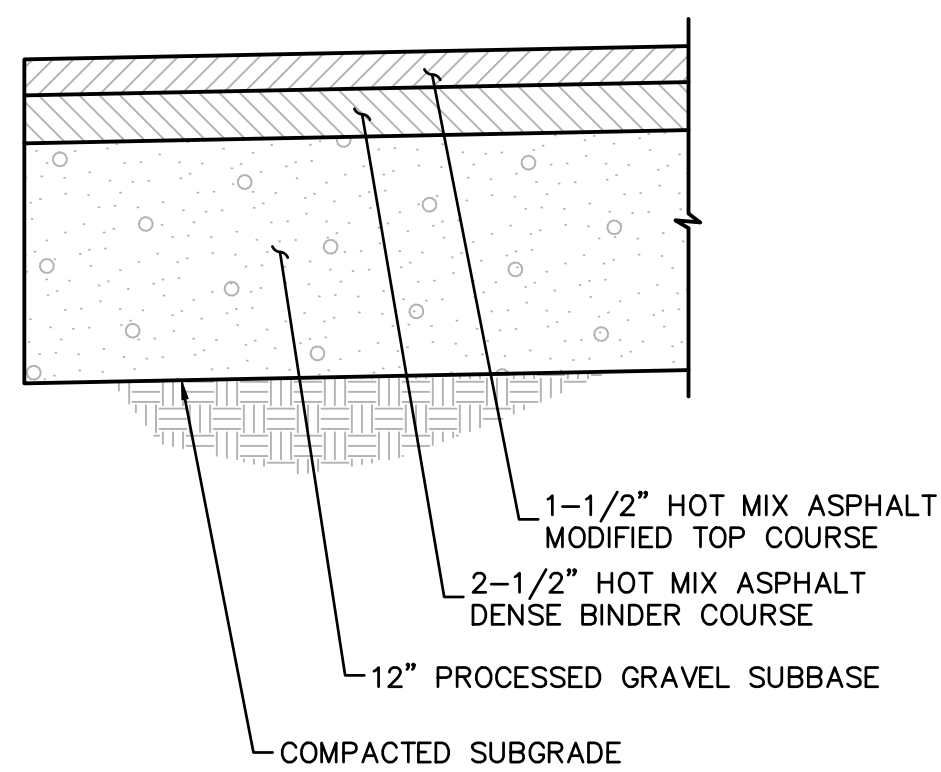
**NOTE: LOAM ADJACENT TO TRAIL SHALL BE SUFFICIENTLY COMPACTED TO MINIMIZE FUTURE SETTLING.



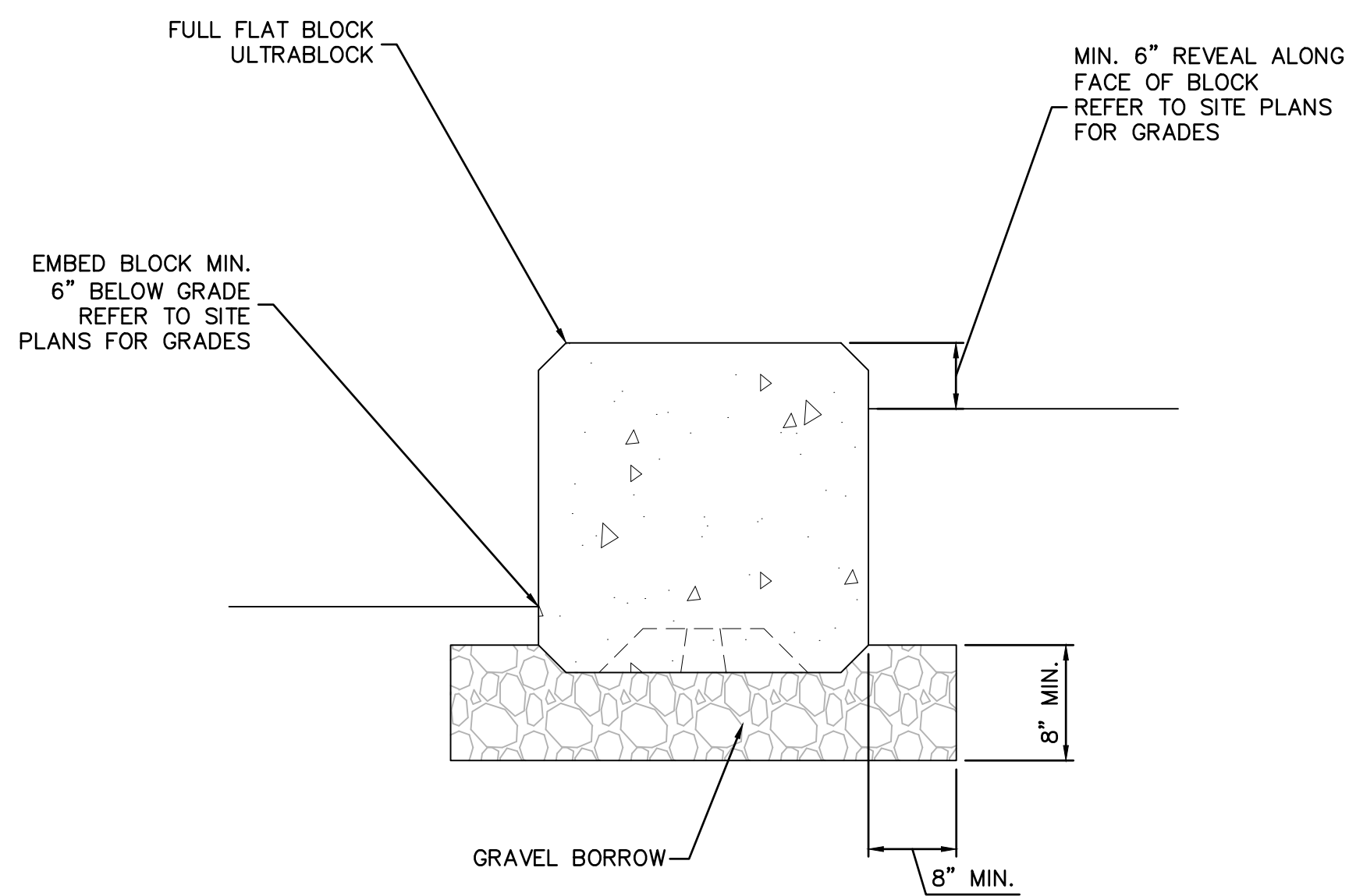
② CONCRETE BLOCK RETAINING WALL
ALONG DAM ACCESS ROAD
N.T.S.



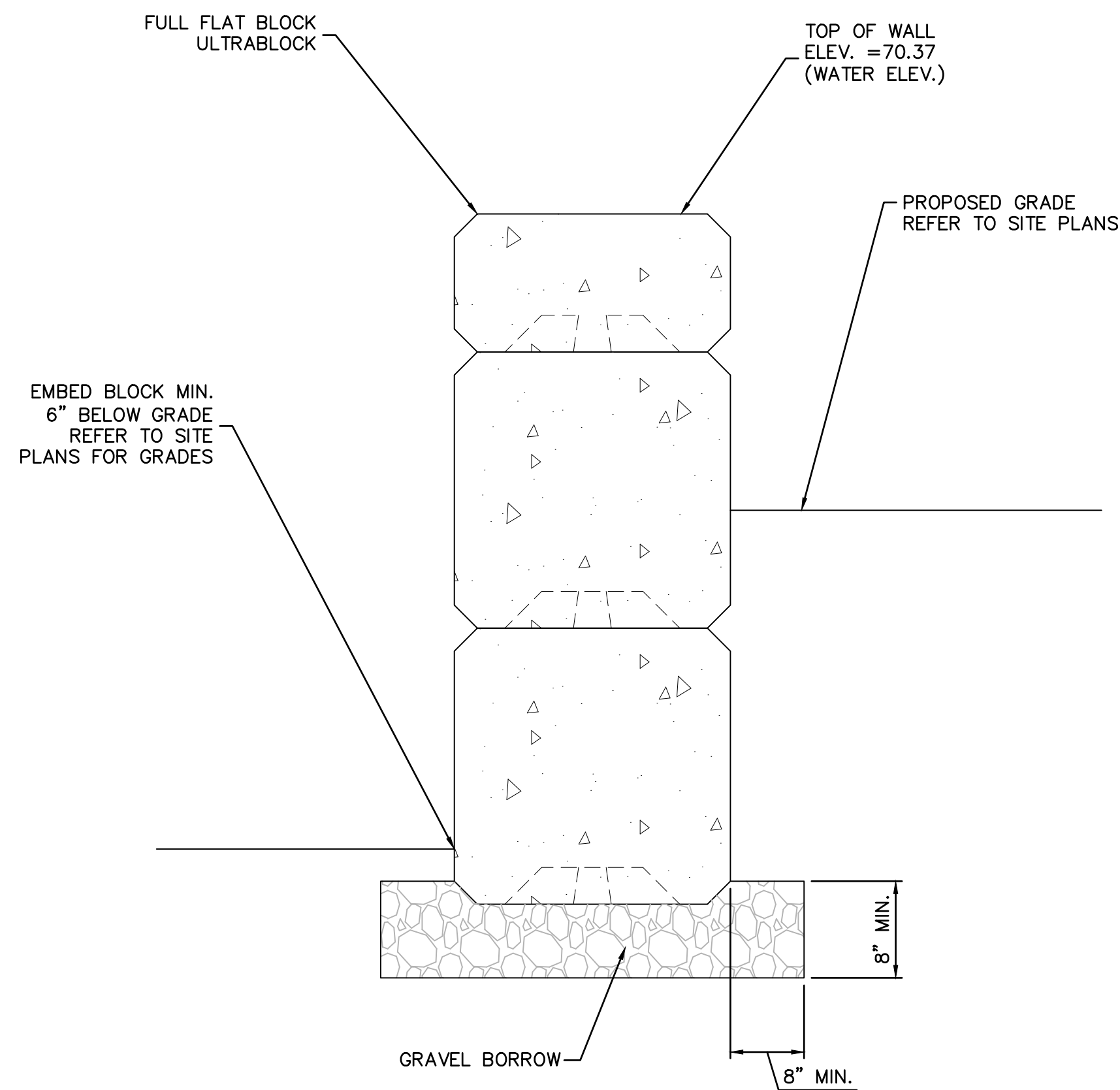
③ STONE DUST PATH
N.T.S.



④ TYPICAL PAVEMENT SECTION
N.T.S.



⑤ CONCRETE BLOCK LOWER J-HOOK
N.T.S.



⑥ CONCRETE BLOCK UPPER J-HOOK
N.T.S.

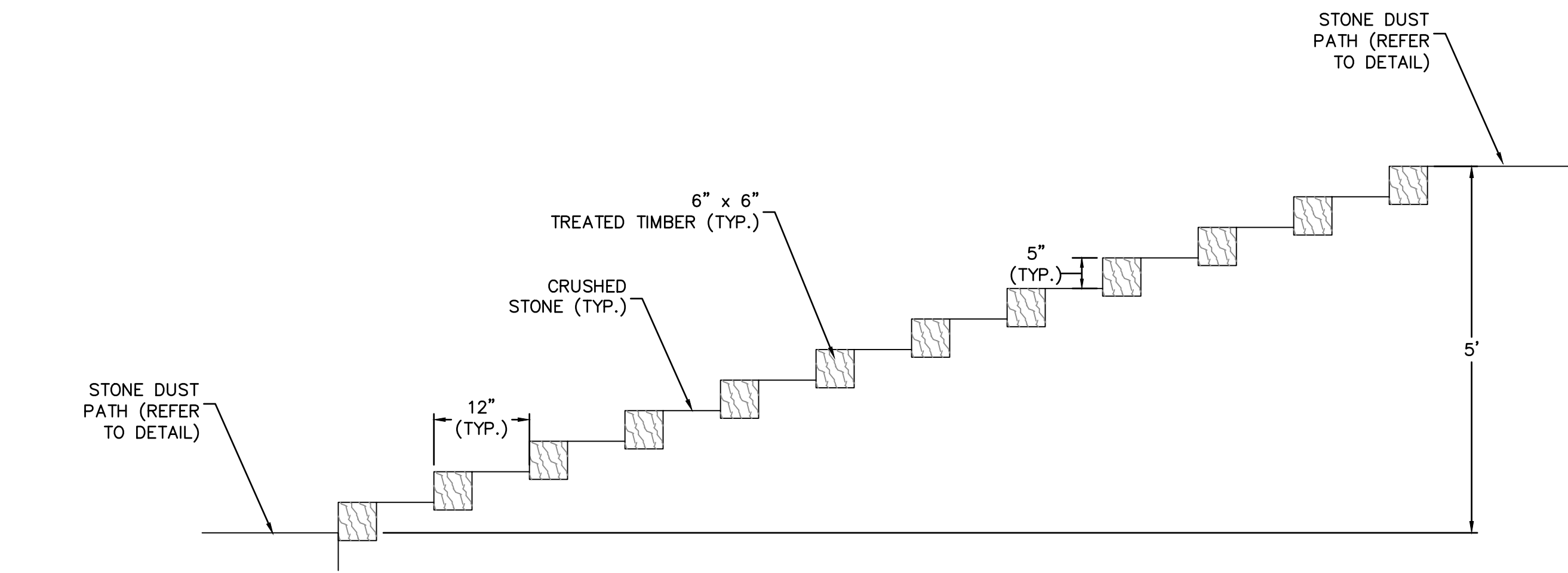
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1.	02/07/2013	SUBMITTED FOR PERMITTING	ATB	

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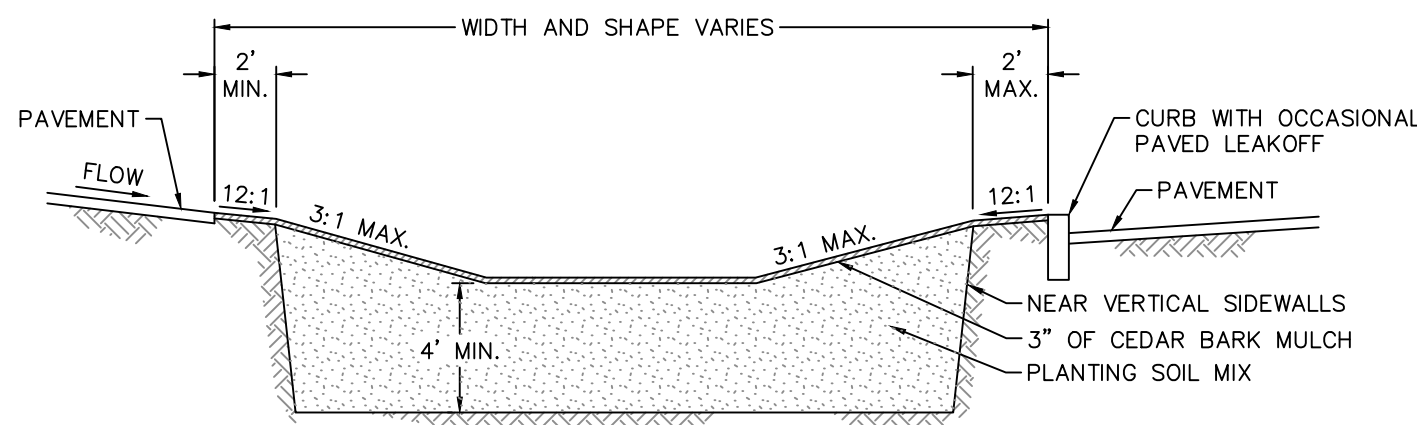
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CONWAY COMMUNITY SWIMMING POOL INC.
SITE CONSTRUCTION DETAILS
SITE IMPROVEMENTS
CONWAY MASSACHUSETTS

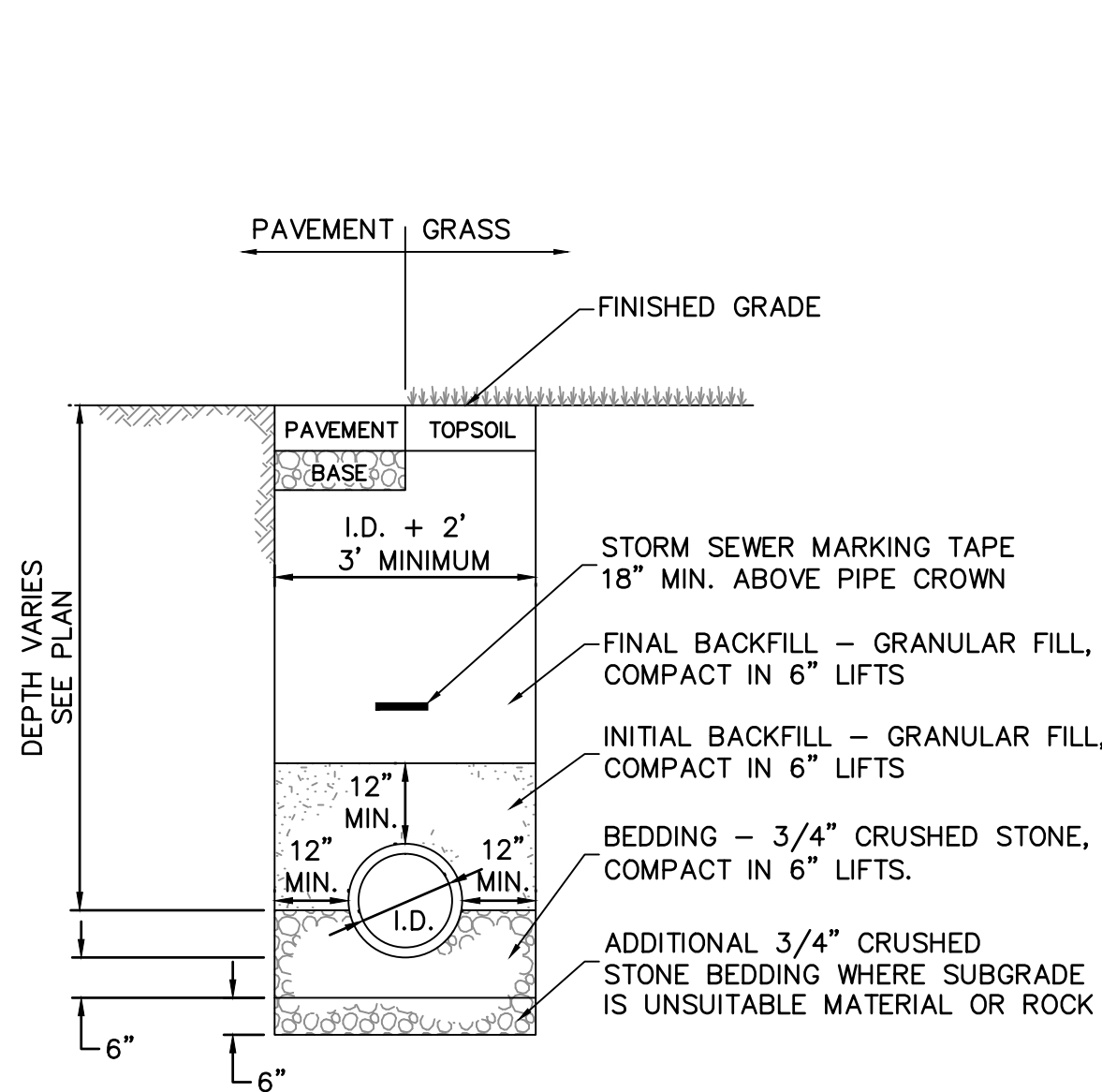
PROJ. No.: 20120989.A10
DATE: 02/07/2013
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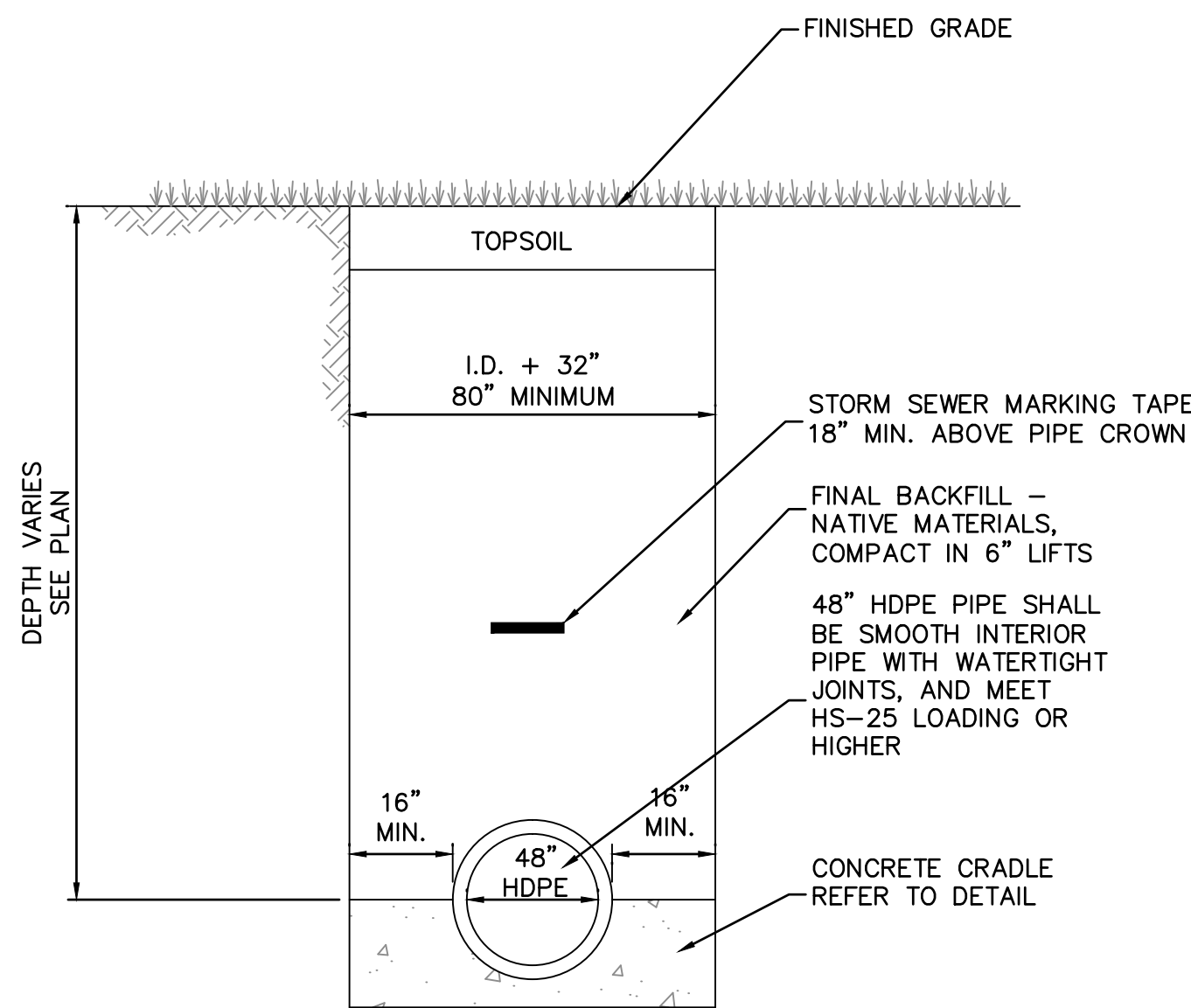
1 TIMBER/CRUSHED STONE STAIRS – TYPICAL SECTION
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3 RAIN GARDEN
NOT TO SCALE

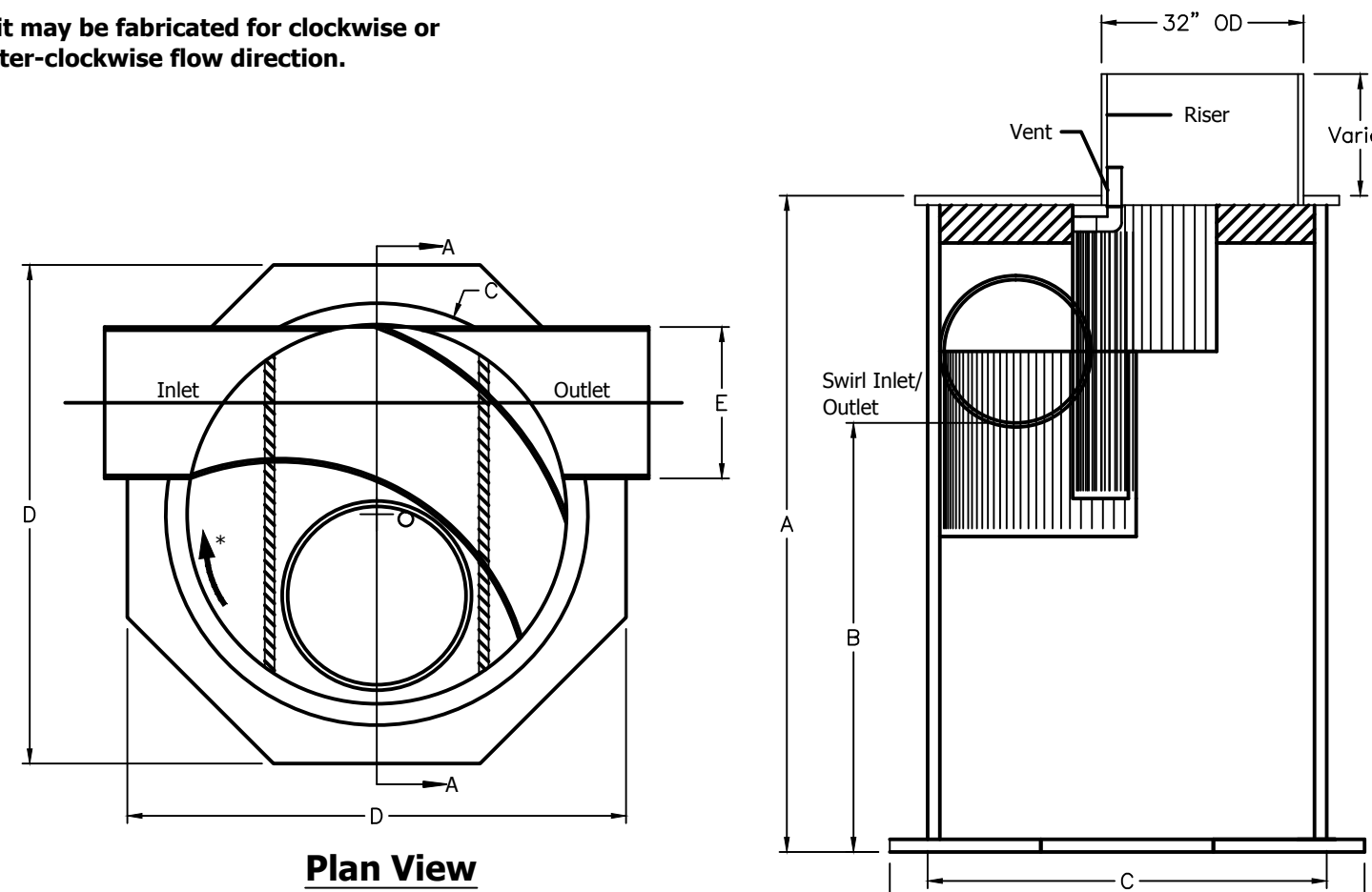


4 15" CULVERT TRENCH
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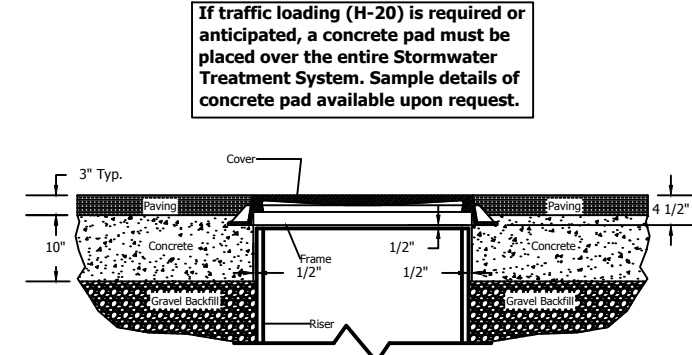
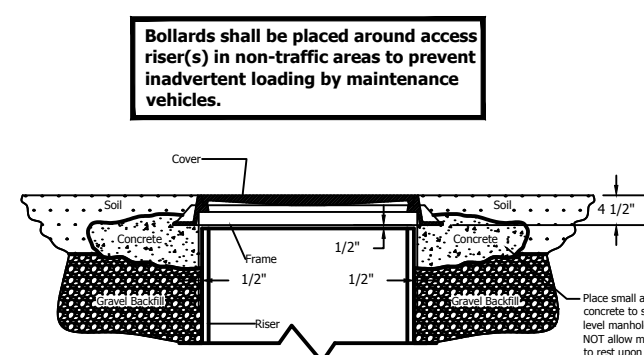


5 48" HDPE OUTLET PIPE TRENCH
NOT TO SCALE

* Unit may be fabricated for clockwise or counter-clockwise flow direction.



Aqua-Swirl Dimensions					
Aqua-Swirl Model#	Chamber Height	Chamber Depth to Invert	Chamber Outside Diameter	Base Plate	Max. Pipe Outside Diameter
AS-2	60"	38"	32"	42"x42"	12 3/4"
AS-3	104"	68"	42"	54"x54"	16"
AS-4	104"	68"	54"	66"x66"	18"
AS-5	104"	68"	66 7/8"	79"x79"	24"
AS-6	104"-110"	68"	80 3/4"	93"x93"	30"
AS-7	114"-116"	68"	93 3/8"	102"x 106"	36"
AS-8	114"-122"	68"	106 3/4"	119"x119"	42"
AS-9	114"-128"	68"	119 5/8"	132"x132"	48"
AS-10	114"-128"	68"	133"	145"x145"	48"
AS-12	Drawing Available on Request				8850

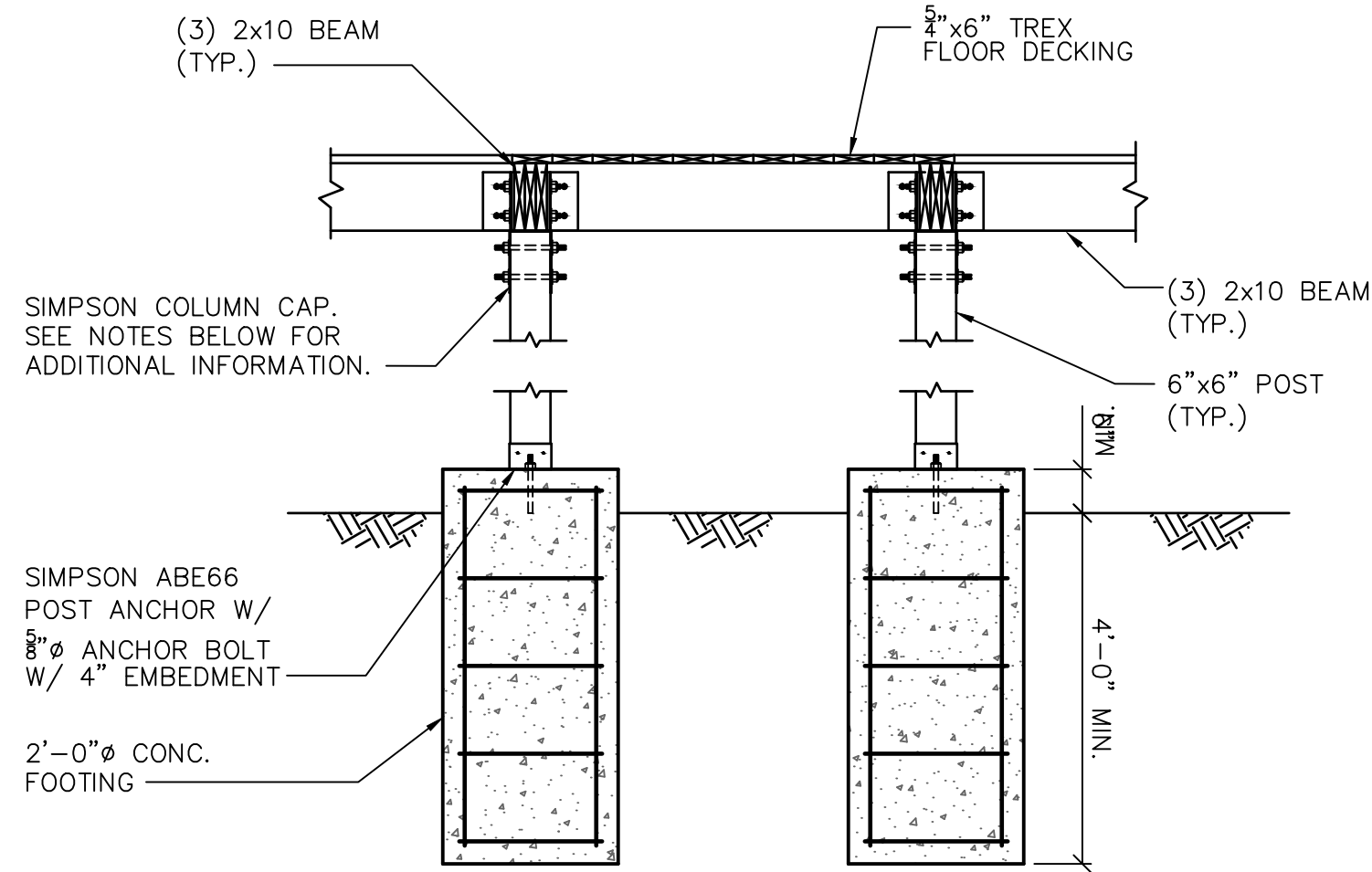


AquaShield
2705 Kanaska Drive, Chattanooga, TN 37343
Phone (888) 344-9044 Fax (423) 826-2112
www.aquashieldinc.com

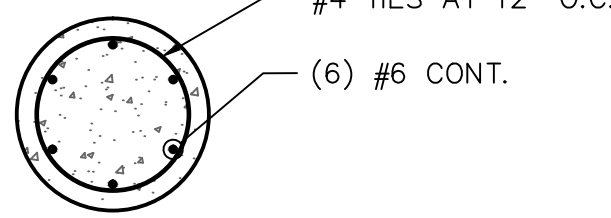
CFD Aqua-Swirl
Dimensions

Document: Swirl Dimensions
Drawn By: BLR
Scale: NTS
Date: 03/12/09
U.S. Patent No. 6524473 and other Patent Pending

2 STORMWATER TREATMENT SYSTEM (STS)
NOT TO SCALE



- NOTES:
- POST CAPS FOR 2 BEAM CONNECTION SHALL BE SIMPSON PC66. CONNECT TO POST WITH (8) 16d NAILS. CONNECT TO BEAMS WITH (12) 16d NAILS.
 - POST CAPS FOR 3 BEAM CONNECTION SHALL BE SIMPSON CCT5-1-6. CONNECT TO POST WITH (2) 3/4" THRU-BOLTS. CONNECT TO BEAMS WITH (6) 3/4" THRU-BOLTS.
 - PROVIDE PLYWOOD FILLERS INSIDE SIMPSON POST CAPS AS REQUIRED.



6 TYPICAL SECTION – ADA ACCESSIBLE DOCK
NOT TO SCALE

REVISION	DATE	DESIGNER	REVIEWER
1.	02/07/2013	ATB	ATB
2.	3/18/2013	REVISD PER P.S., USACE COMMENTS	ATB

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CONWAY COMMUNITY SWIMMING POOL INC.
SITE CONSTRUCTION DETAILS
SITE IMPROVEMENTS
CONWAY, MASSACHUSETTS

PROJ. No.: 20120989.A10
DATE: 02/07/2013

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1. ALL TRASH RACKS SHALL BE STORMRAX FLAT HDPE TRASH RACK, MAXIMUM 4" OPENING.
2. HEAVY DUTY CAST IRON SLIDE GATE. RECOMMENDED MANUFACTURER IS HYDRO GATE OR APPROVED EQUAL. INSTALL PER MANUFACTURERS RECOMMENDATIONS.



OUTLET 5
NOT TO SCALE

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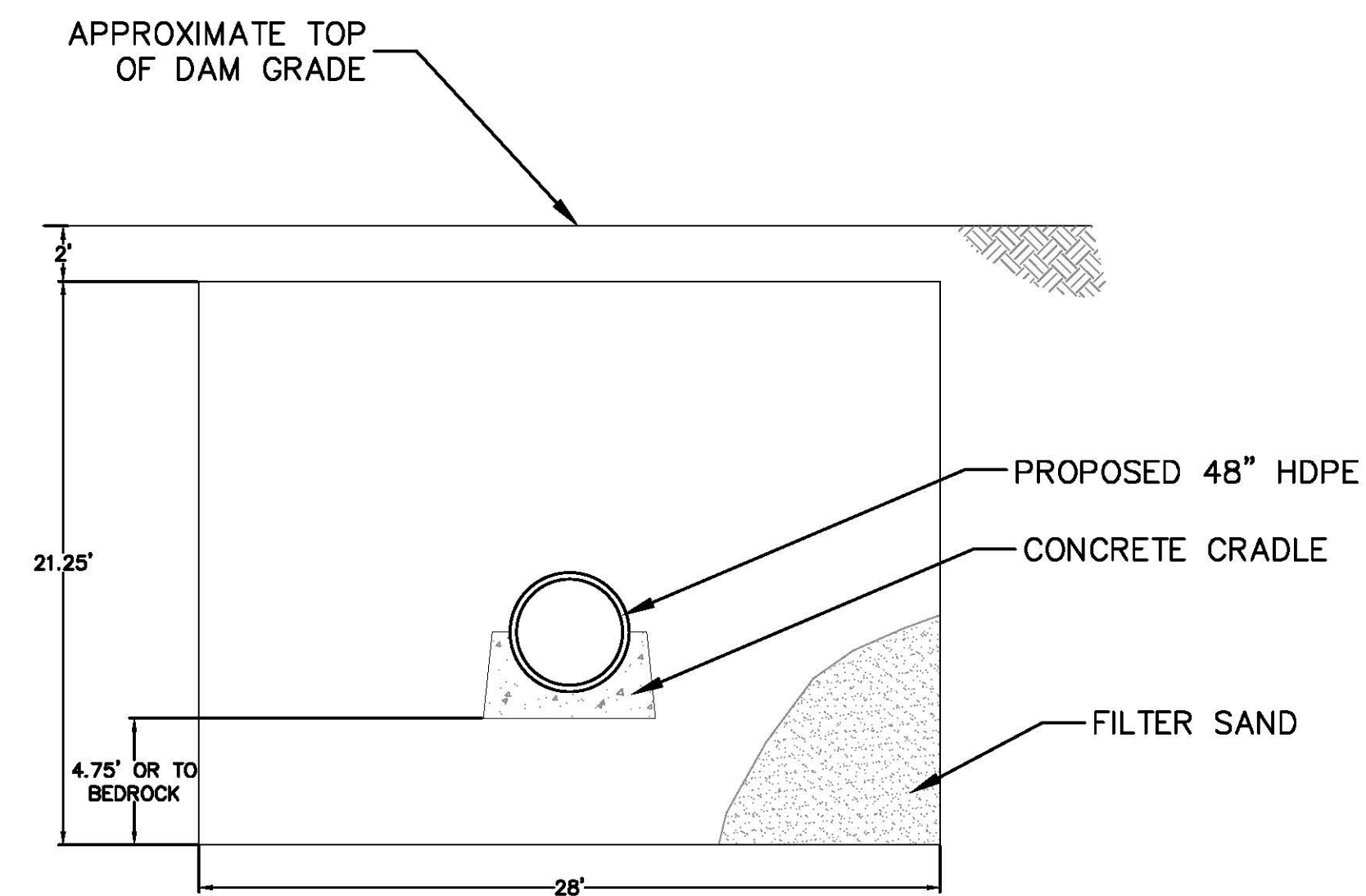
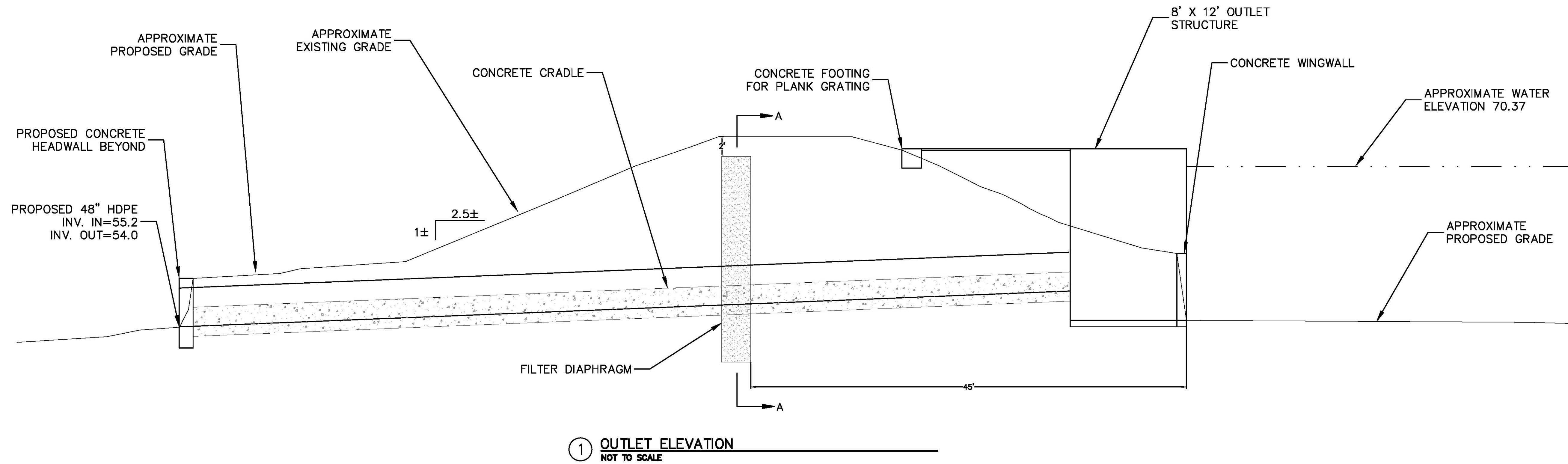
SITE CONSTRUCTION DETAILS

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MASSACHUSETTS

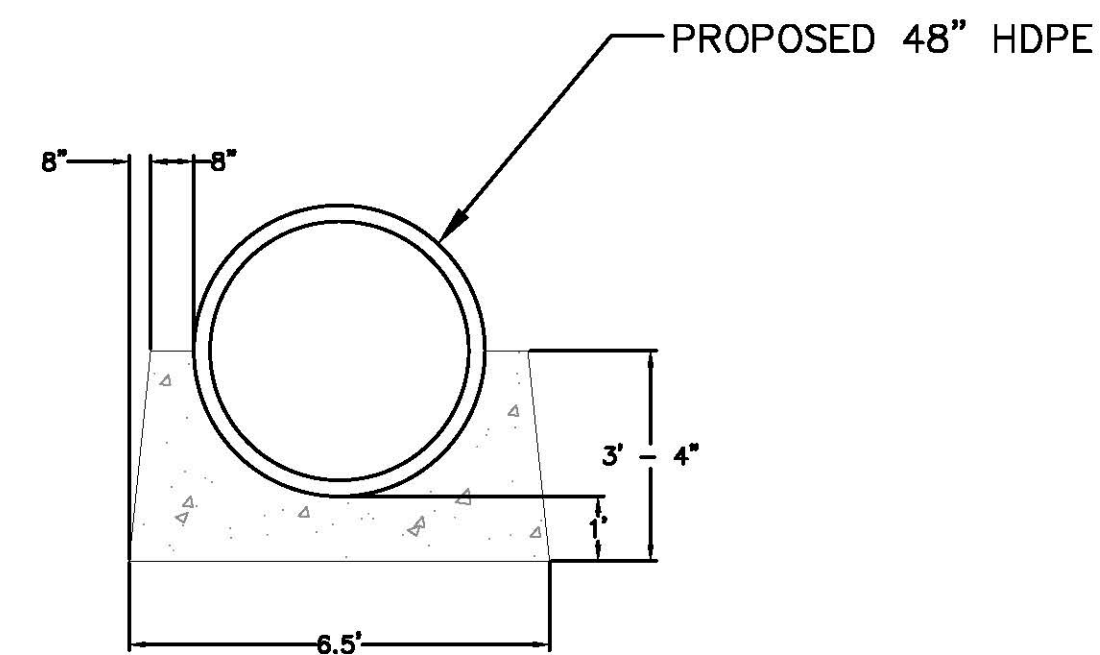
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NOTES:
1. FILTER SAND SHALL MEET ASTM C-33 CONCRETE SAND SPECIFICATION AND GRADATION.
2. MINIMUM THICKNESS OF THE FILTER DIAPHRAGM SHALL BE 3'.



NO.	DATE	DESCRIPTION	DESIGNER	REVIEWER
1.	02/07/2013	SUBMITTED FOR PERMITTING	ATB	ATB
2	3/18/2013	REVISED PER P.S., USACE COMMENTS	ATB	ATB

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