



Public Notice

U S Army Corps
of Engineers
Huntington District

In reply refer to Public Notice No. 200800806 Issuance Date: October 10 2008

Stream: Beartree Branch

Closing Date: November 9, 2008

Please address all comments and inquiries to:

U.S. Army USACE of Engineers, Huntington District

ATTN: CELRH-OR-F Public Notice No. (*reference above*)

502 Eighth Street

Huntington, West Virginia 25701-2070

Phone: (304) 399-5710

PUBLIC NOTICE: The purpose of this public notice is to inform you of a proposal for work in which you might be interested. It is also to solicit your comments and information to better enable us to make a reasonable decision on factors affecting the public interest. We hope you will participate in this process.

REGULATORY PROGRAM: Since its early history, the United States Army Corps of Engineers (USACE) has played an important role in the development of the nation's water resources. Originally, this involved construction of harbor fortifications and coastal defenses. Later duties included the improvement of waterways to provide avenues of commerce. An important part of our mission today is the protection of the nation's waterways through the administration of the USACE Regulatory Program.

SECTION 10: The USACE is directed by Congress under Section 10 of the Rivers and Harbors Act of 1899 (33 USC 403) to regulate all work or structures in or affecting the course, condition or capacity of navigable waters of the United States. The intent of this law is to protect the navigable capacity of waters important to interstate commerce.

SECTION 404: The USACE is directed by Congress under Section 404 of the Clean Water Act (33 USC 1344) to regulate the discharge of dredged and fill material into all waters of the United States, including wetlands. The intent of the law is to protect the nation's waters from the indiscriminate discharge of material capable of causing pollution and to restore and maintain their chemical, physical and biological integrity.

TO WHOM IT MAY CONCERN: The following application has been submitted for a Department of the Army Permit under the provisions of Section 404 of the Clean Water Act. This notice serves as the USACE request to the West Virginia Department of Environmental Protection (WVDEP) to act on Section 401 Water Quality Certification for the following application.

APPLICANT: Eastern Associated Coal, LLC.
500 Lee Street, Suite 600
Post Office Box 1189
Charleston, West Virginia 25324

LOCATION: The proposed project would be located approximately 4.4 miles northwest of Kopperston, in Wyoming and Logan Counties, West Virginia. The project area can be found at latitude 37°46'11" and longitude 81°38'26" on the Lorado, Matheny, Oceana and Pilot Knob USGS 7.5-minute quadrangles. The proposed project would be constructed in the tributaries of Huff Creek and include Beartree Branch, Castle Branch, Coal Branch and Laurel Branch. Huff Creek exhibits a surface water connection to Guyandotte River, a traditional navigable water of the United States.

DESCRIPTION OF THE PROPOSED WORK: The applicant proposes to discharge dredged and/or fill material into approximately 25,055 linear feet or 3.58 acres of waters of the United States in conjunction with the construction, operation and reclamation of the Huff Creek Surface Mine [Pending approval under Surface Mining Control and Reclamation Act (SMCRA) Permit S-4004-07 and National Pollutant Discharge Elimination System (NPDES) Permit WV1021460]. Project components would include four permanent valley fills (Valley Fills No. 1-4), seven in-stream sediment pond embankments, and eleven culverted stream crossings. Construction of the sediment ponds would result in temporary, direct discharges of dredged or fill material into 713 linear feet (0.30 acre) of intermittent stream channels. Construction of the 11 culverted stream crossings would result in temporary, direct discharges of dredged or fill material into 310 linear feet (0.0256 acre) of intermittent stream channels and 114 linear feet (0.009 acre) of ephemeral stream channels. Construction of the proposed underdrain systems associated with Valley Fills No. 1, 2, 3 and 4 would result in the permanent, direct discharges of dredged material into 9,596 linear feet (1.849 acres) of intermittent stream channels and 13,000 linear feet (1.2593 acres) of ephemeral stream channels. Details regarding these proposed activities are listed in the Table 1 attached to this public notice. The purpose of the proposed project is to discharge dredged/fill material to construct attendant and associated features (i.e. overburden disposal, access, sediment control etc.) in order to facilitate efficient extraction of 2.1 million tons of Lower Stockton, Coaburg, Lower Coalburg, Dorothy, Upper Chilton A, Chilton A, Chilton Rider, Chilton, Lower Chilton, Upper Hernshaw, Hernshaw, Lower Hernshaw and Williamsom coal seams in the SMRCA permitted area (746 acres of which 189.4 acres would encompass the proposed valley fills and sediment ponds) for a period of 5 years. Coal removed from the project area would be processed and moved offsite for delivery to customers. Plans for the proposed facility are attached to this public notice.

ALTERNATIVE ANALYSIS: This project is not considered to be water dependent; therefore, the applicant is required to show that other less damaging practicable alternatives are not available that would achieve the overall project purpose. No permit will be issued until our review of the alternative analysis clearly shows that upland alternatives are not available to achieve the overall project purpose. The applicant considered two practicable alternatives: Alternative No. 3 using mountaintop mining and Alternative No. 4 using a combination of area, contour and highwall/auger mining. While Alternative No. 3 would be practicable, it would result in greater impacts (~ 2,150 linear feet) to waters of the United States as opposed to Alternative No. 4. Alternative No. 4 was chosen as the applicant's preferred alternative. The applicant evaluated on- and off-site disposal of excess overburden material. There are currently no active mining operations within a one-mile radius of the project area that could accommodate the storage of the excess overburden material expected to be generated by the proposed mineral extraction operations. The applicant evaluated 22 hollows within a one-mile radius of the project area as potential locations for overburden storage. Sites 1 (contains ~ 7,576 linear feet of waters of the US), 4 (contains ~ 8,753 linear feet of waters of the US), 9 (contains ~ 5,416 linear feet of waters of the US), 12 (contains ~ 6,172 linear feet of waters of the US), 13 (contains ~ 7,065 linear feet of waters of the US), 15 (contains ~ 4,420 linear feet of waters of the US), 19 (contains ~ 861 linear feet of waters of the US) and 22 (contains ~ 2,251 linear

feet of waters of the US) would provide adequate capacity for excess overburden storage. Sites 1 and 9 have several advantages including minimal impacts to gas wells, structures, roads and wetlands and haulage of excess overburden to these sites would be minimal, thereby reducing additional disturbance areas for haul roads. Thus, these four sites were not considered practicable locations for excess overburden storage. Site 4 contains a large amount of impact resulting from existing roads, Sites 12 and 13 would be practicable locations for valley fill construction; only portions of these two sites would be impacted by the applicant's preferred alternative. Use of many of the sites, such as sites 2, 3, 5 and 10, would not be practicable due to the substantial amount of additional disturbance that would be required in order to construct haul roads for movement of refuse away from the coal recovery areas. Use of Sites 3, 8 and 16 would result in greater impacts to waters of the United States. Site 3 would impact a greater amount of streams in relation to the mine area gained. In addition, this site would also require a substantial amount of additional disturbance than currently planned in order to construct haul roads for movement of excess overburden away from the coal extraction areas. Sites 8 and 16 exhibit multiple disadvantages including greater impacts to waters of the United States and the site is near the Guyandotte River and farther away from the coal recovery area. County roads would have to be crossed if Sites 8 and 10 were used for excess overburden storage. Sites 1, 9, 12 and 13 would provide adequate capacity for excess overburden storage, are located within a practicable distance to the mine site, have the required slope to provide sufficient valley fill stability and no existing homes or utility lines would be affected.

In evaluating a project area containing waters of the United States, consideration must be given to avoiding impacts on these sites. The USACE has determined that approximately 14,794 linear feet of ephemeral stream channels and 19,132 linear feet of intermittent stream channels are located within the area delineated for the proposed project. As a result of avoidance measures, the applicant proposes to directly impact 11,751 linear feet of intermittent stream (2,155 linear feet is considered temporary and would be restored upon completion of mining activities) and 13,304 linear feet of ephemeral stream (304 linear feet is considered temporary and would be restored upon completion of mining activities). Therefore, the applicant has avoided impacts to approximately 7,381 linear feet of intermittent stream and 1,490 linear feet of ephemeral stream within the delineated area.

If waters of the United States cannot be avoided, impacts must be minimized. The applicant has proposed efforts to minimize impacts to aquatic resources throughout project implementation. The applicant proposes to incorporate best management practices (BMPs), as required by SMCRA and NPDES, to the maximum extent possible and by using the best technology currently available. Along the perimeter of the proposed mine, eight hollows were selected for sufficient overburden storage. To limit the impacts of the proposed operation, the design of the valley fills were optimized by placing excess overburden on top of fills higher than the lowest coal seam proposed to be mined. This procedure (Approximate Original Contour+/Excess Overburden Guidelines) was developed by the WVDEP and was endorsed by the United States Environmental Protection Agency as constituting minimization under the Section 404(b)(1) Guidelines. All four valley fills comply with these guidelines. All four of the valley fills exceed the current fill optimization requirements. The applicant's proposed sediment ponds would be located directly downstream of the valley fill toes, thereby resulting in avoidance of downstream waters and reduction in secondary impacts. Run-off must pass through designed sediment control structures before entering the streams to prevent sediment from entering the stream in any considerable quantities. These measures would minimize the potential for excessive erosion and deposition of sediment in waters of the United States. The applicant proposes to manage discharges in accordance with WVDEP-established NPDES threshold limits for suspended solids and settleable solids. Further minimization of impact would be achieved through timely backfilling, grading and revegetation of operational areas and stabilization of fill material, which would be expected to minimize the amount of earth disturbance at any given time and would reduce the potential for erosion and sedimentation.

The applicant examined numerous alternatives to avoid all impacts to waters of the United States and determined them to be impracticable based on cost effectiveness, and technical feasibility in light of the overall project purpose.

MITIGATION PLAN: The project area has been previously timbered and gas reserves have been developed. Mining has occurred using deep and surface mining techniques within and adjacent to the project area. The applicant has not submitted a Compensatory Mitigation Plan (CMP) to compensate for unavoidable impacts to waters of the United States, but has indicated they would compensate aquatic resource losses through on- and off-site mitigation within the Huff Creek watershed. The CMP would be developed with a watershed-based approach and incorporate the USACE Interim Functional Assessment Approach.

WATER QUALITY CERTIFICATION: A Section 401 Water Quality Certification is required for this project. It is the applicant's responsibility to obtain certification from the WVDEP.

HISTORIC AND CULTURAL RESOURCES: It has been determined there are no properties included in or eligible for listing in the National Register of Historic Places (NRHP) that would be affected by the proposed undertaking. A copy of this public notice will be sent to the SHPO for their review. Additional comments concerning archeological sensitivity of a project area should be based upon collected data.

ENDANGERED/THREATENED SPECIES REVIEW: Two federally listed endangered species, the Indiana bat (*Myotis sodalis*) and Virginia big-eared bat (*Corynorhinus townsendii virginianus*) may occur within the project area. In the summer of 2007, a bat-mist net survey was completed in the project area to determine presence or probable absence of the Indiana bat within the proposed project area. No federally-listed bats were captured during this survey. The proposed project area was also surveyed for abandoned mine portals that could support summer or winter colonies of the endangered Virginia big-eared bat or provide hibernaculum for the Indiana bat. No abandoned mine portals were found within the proposed project area. Based on these facts, the WVDEP, in a letter dated February 26, 2008, has determined the proposed project is not likely to adversely affect endangered or threatened species or their critical habitat. This public notice serves as a request to the USFWS for any additional information they may have on whether any listed or proposed to be listed endangered or threatened species may be present in the ESA Species Act of 1972 (as amended).

PUBLIC INTEREST REVIEW AND COMMENT: Any person who has an interest that may be adversely affected by the issuance of a permit may request a public hearing. The request must be submitted in writing to the District Engineer on or before the expiration date of this notice and must clearly set forth the interest, which may be adversely affected, and the manner in which the interest may be adversely affected by the activity. This application will be reviewed in accordance with 33 CFR 320-332, the Regulatory Program of the USACE, and other pertinent laws, regulations, and executive orders. Our evaluation will also follow the guidelines published by the United States Environmental Protection Agency pursuant to Section 404(b)(1) of the CWA. Interested parties are invited to state any objections they may have to the proposed work. The decision whether to issue a permit will be based on an evaluation of the probable impact 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 that reasonably may be expected to accrue from the proposal must be balanced against its reasonably foreseeable detriments. All factors that may be relevant to the proposal will be considered including the cumulative effects thereof; of those are conservation, economics, aesthetics, general environmental concerns, wetlands, historic

properties, fish and wildlife values, flood hazards, floodplain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs, considerations of property ownership and, in general, the needs and welfare of the people. Written statements on these factors received in this office on or before the expiration date of this public notice will become a part of the record and will be considered in the final determination. A permit will be granted unless its issuance is found to be contrary to the public interest.

SOLICITATION OF COMMENTS: The USACE 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. For accuracy and completeness of the administrative record, all data in support of or in opposition to the proposed work should be submitted in writing setting forth sufficient detail to furnish a clear understanding of the reasons for support or opposition. Any comments received will be considered by the USACE 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.

CLOSE OF COMMENT PERIOD: All comments pertaining to this Public Notice must reach this office on or before the close of the comment period listed on page one of this Public Notice. If no comments are received by that date, it will be considered that there are no objections. Comments and requests for additional information should be submitted to Mrs. Teresa Spagna, Project Manager, Energy Resource Section, CELRH-OR-FE, USACE Huntington District, 502 Eighth Street, Huntington, West Virginia 25701-2070. Please note names and addresses of those who submit comments in response to this public notice become part of our administrative record and, as such, are available to the public under provisions of the Freedom of Information Act. Thank you for your interest in our nation's water resources. If you have any questions concerning the above, please contact Mrs. Teresa Spagna of the Energy Resource Section at (304) 399-5610.



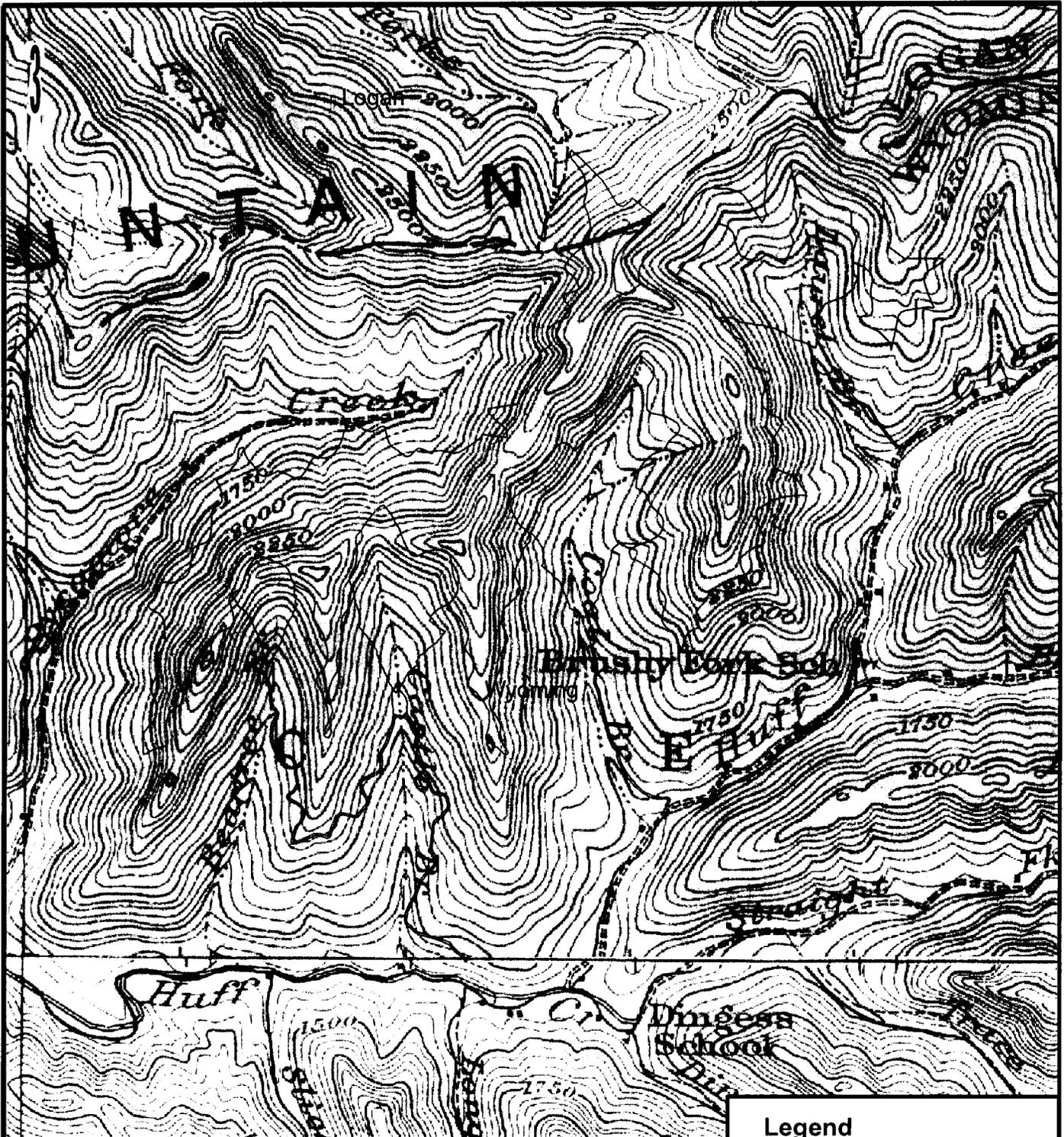
Ginger Mullins, Chief
Regulatory Branch

(W)

Table 1

Name of Applicant: EASTERN ASSOCIATED COAL, HUFF CREEK SURFACE MINE
 County(ies): WYOMING, LOGAN
 Nearest Township: CYCLONE

Name of Stream or Stream Section	Permanent Impact			Temporary Impact		
	Intermittent/Perennial Length	Average	Episodic Length	Intermittent/Perennial Length	Average	Episodic Length
CHANNEL A1 (valley fill 1)	620	0.0756	702	323	0.0649	323
CHANNEL A1 (valley fill 1)			35		0.0045	
CHANNEL A2 (valley fill 1)			423		0.0337	
CHANNEL A3 (valley fill 1)			135		0.0071	
CHANNEL A4 (valley fill 1)			530		0.0496	
CHANNEL A5 (valley fill 1)						100
CHANNEL B1 (valley fill 2)	1562	0.2649	710	376	0.0454	100
CHANNEL B1 (valley fill 2)			155		0.0128	
CHANNEL B2 (valley fill 2)			181		0.0141	
CHANNEL B3 (valley fill 2)	240	0.0229	619		0.0685	
CHANNEL B3A (valley fill 2)			178		0.0129	
CHANNEL B4 (valley fill 2)			210		0.0112	
CHANNEL B5 (valley fill 2)						90
CHANNEL C1 (valley fill 3)	2956	0.6825	1279	482	0.099	
CHANNEL C1 (valley fill 3)			302		0.033	
CHANNEL C2 (valley fill 3)			410		0.0332	
CHANNEL C3 (valley fill 3)			1138		0.0987	
CHANNEL C3A (valley fill 3)			357		0.0203	
CHANNEL C4 (valley fill 3)			831		0.0893	
CHANNEL C4A (valley fill 3)			262		0.0166	
CHANNEL C5 (valley fill 3)	469	0.0772	463		0.0351	
CHANNEL C6 (valley fill 3)			320		0.0194	
CHANNEL C7 (valley fill 3)			285		0.0294	
CHANNEL D1 (valley fill 4)	1772	0.4236	412	664	0.222	
CHANNEL D1 (valley fill 4)	1600	0.2297	855		0.0922	
CHANNEL D1A (valley fill 4)			459		0.0352	
CHANNEL D1B (valley fill 4)			92		0.0021	
CHANNEL D1C (valley fill 4)			396		0.0362	
CHANNEL D2 (valley fill 4)			195		0.0105	
CHANNEL D3 (valley fill 4)			400		0.0443	
CHANNEL D4 (valley fill 4)	377	0.0665	666		0.0689	
CHANNEL D6 (road crossing)				30	0.0035	
CHANNEL E (road crossing)				40	0.0034	
CHANNEL F (road crossing)				32	0.0032	
CHANNEL G (road crossing)						40'
CHANNEL H (road crossing)						40'
CHANNEL I (road crossing)				33	0.0021	
CHANNEL J (road crossing)						34'
CHANNEL K (road crossing)				33	0.0018	
CHANNEL M (road crossing)				9	0.0005	
CHANNEL P (road crossing)				103	0.0083	
CHANNEL Q (road crossing)				30	0.0028	
Cumulative Total Stream Impact	9596	1.849	13000	2155	0.4416	190
				1.2593		0.0305



REFERENCE:
 U.S.G.S. 15 MINUTE HISTORIC TOPO BALD KNOB, WV, PUBLISHED 1956
 AND PINEVILLE, WV, PUBLISHED 1962 .

Legend

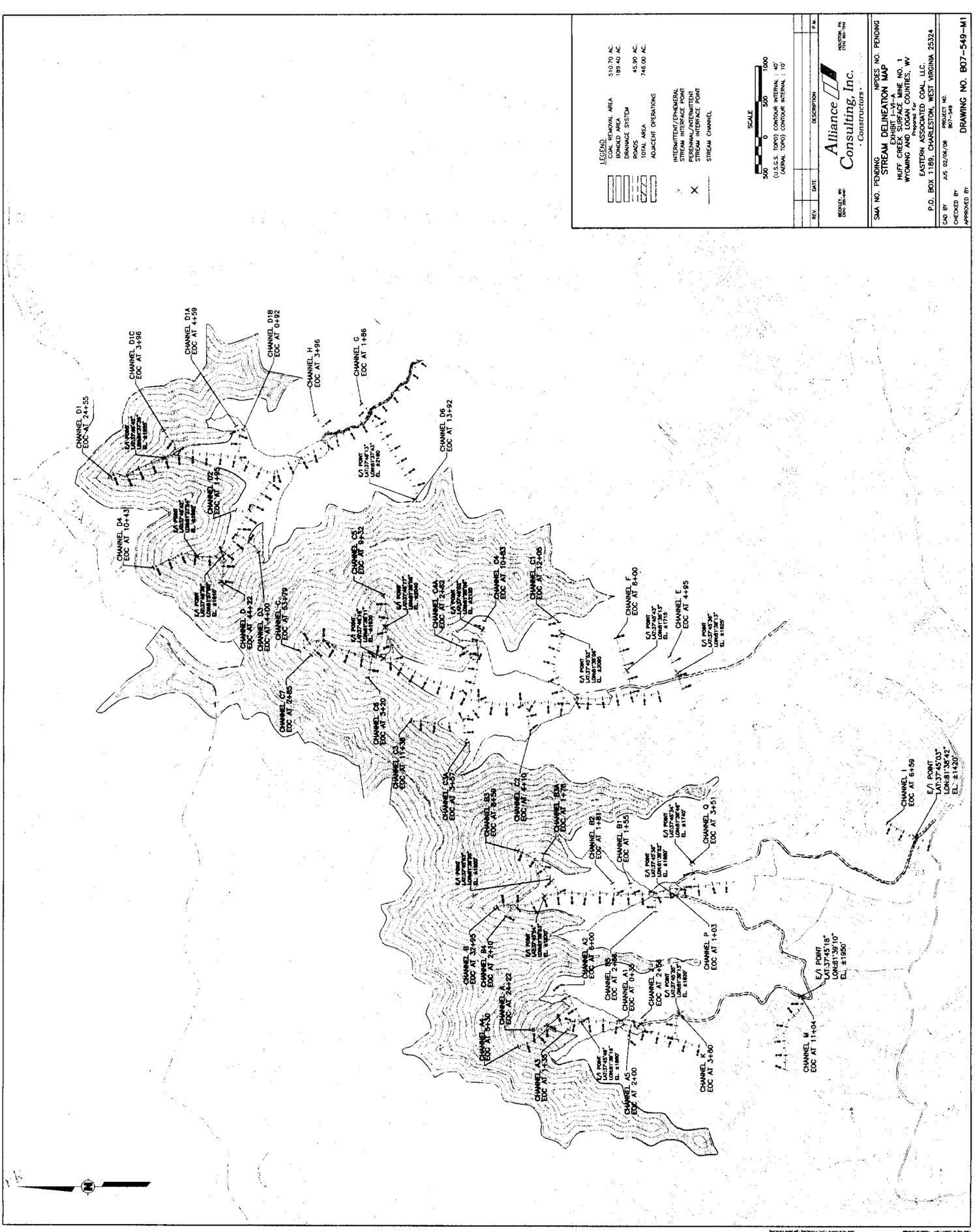
 PROJECT BOUNDARY



Alliance 
Consulting, Inc.
Engineers - Constructors - Scientists
 124 PHILPOTT LANE
 BEAVER, WV 25813
 (304) 255-0491

HISTORIC TOPO MAP
 HUFF CREEK SURFACE MINE NO. 1
 PREPARED FOR
 EASTERN ASSOCIATED COAL, LLC
 CHARLESTON, WEST VIRGINIA

DRAWN BY	TLJ	01/21/08
CHECKED BY	DSS	01/21/08
APPROVED BY	DSS	01/21/08
DRAWING NUMBER		
B07-549-A7		



LEGEND

- COAL REMOVAL AREA
- BONDED AREA
- DRAINAGE SYSTEM
- ROADS
- ADJACENT OPERATORS
- INTERMITTENT PERENNIAL
- STREAM INTERFACE POINT
- PERENNIAL/INTERMITTENT
- STREAM INTERFACE POINT
- STREAM CHANNEL

SCALE

500 0 500 1000
 (U.S.C.S. TOPO) CONTOUR INTERVAL: 40'
 (M.P.S. TOPO) CONTOUR INTERVAL: 10'

REV.	DATE	DESCRIPTION	P.M.

ALLIANCE Consulting, Inc.
 CONSULTING ENGINEERS
 1000 S. 10TH ST. SUITE 200
 CHELSEA, WYOMING 82829

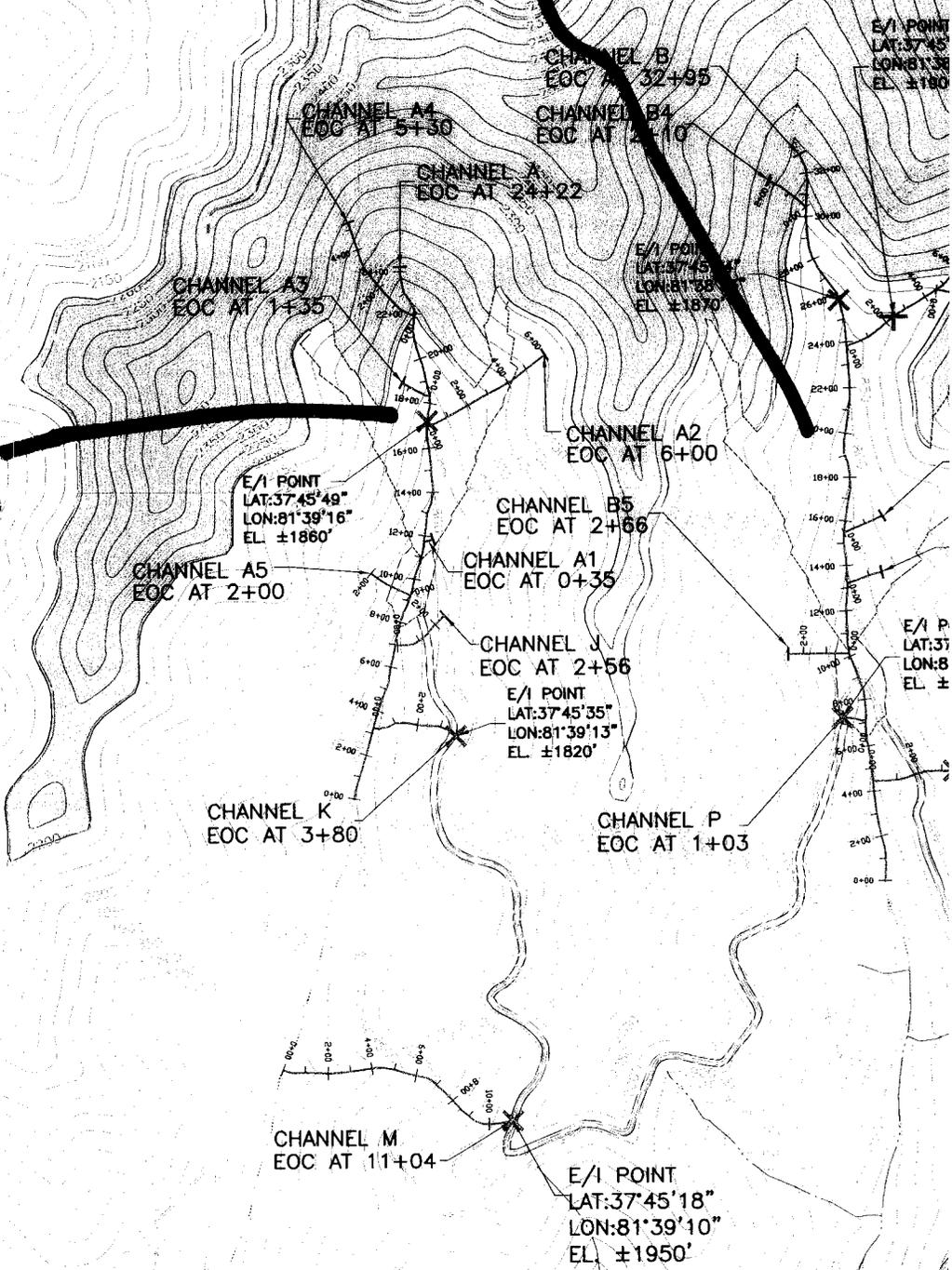
SMA NO. PENDING NPDES NO. PENDING
STREAM DELINEATION MAP
 HUFF CREEK SURFACE LINE NO. 1
 WYOMING AND LOGAN COUNTIES, WY
 EASTERN ASSOCIATED COAL, LLC.
 P.O. BOX 1189, CHARLESTON, WEST VIRGINIA 25324

DWG BY: JCS 02/06/08 PROJECT NO: 807-549
 CHECKED BY: JCS 02/06/08 PROJECT NO: 807-549
 APPROVED BY: [Signature] PROJECT NO: 807-549

DRAWING NO. 807-549-M1

Valley Fill 1

Valley Fill 2

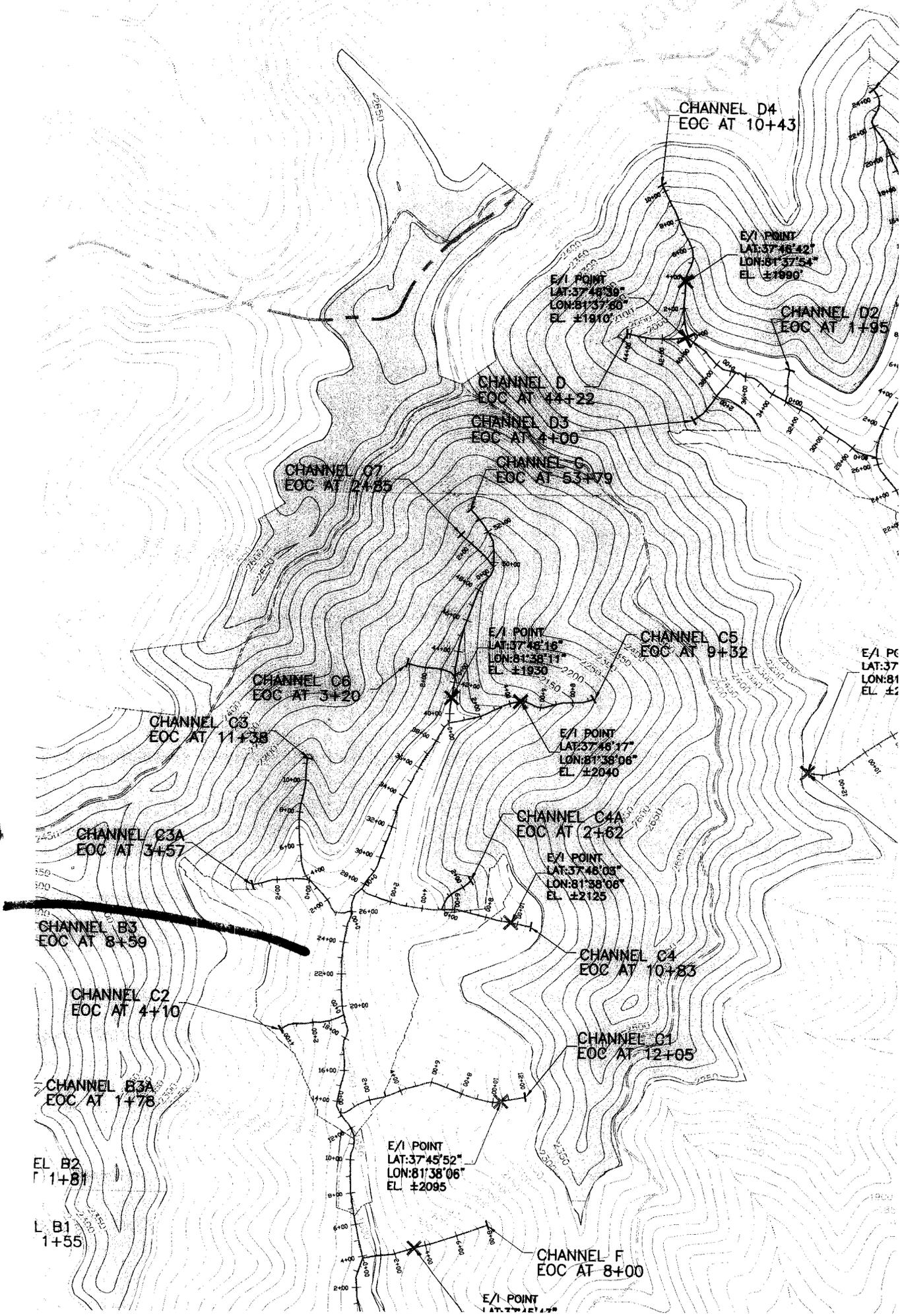


X:\GIS\NEW AERIAL\TOPO 12x18.dwg - gpa points 2.5.08.dwg

4/20/2011 10:47 AM - Layout1 - Job Model
d by: jshandor

1:2500
1:2500
1:2500

V21104
E11
3



WYOM

CHANNEL D4
EOC AT 10+43

CHANNEL D1
EOC AT 24+55

E/I POINT
LAT: 37°46'42"
LON: 81°37'36"
EL. ±1955'

CHANNEL D1C
EOC AT 3+96

E/I POINT
LAT: 37°46'42"
LON: 81°37'54"
EL. ±1990'

CHANNEL D1A
EOC AT 4+59

CHANNEL D2
EOC AT 1+95

CHANNEL D1B
EOC AT 0+92

Valley
Fill
4

CHANNEL H
EOC AT 3+96

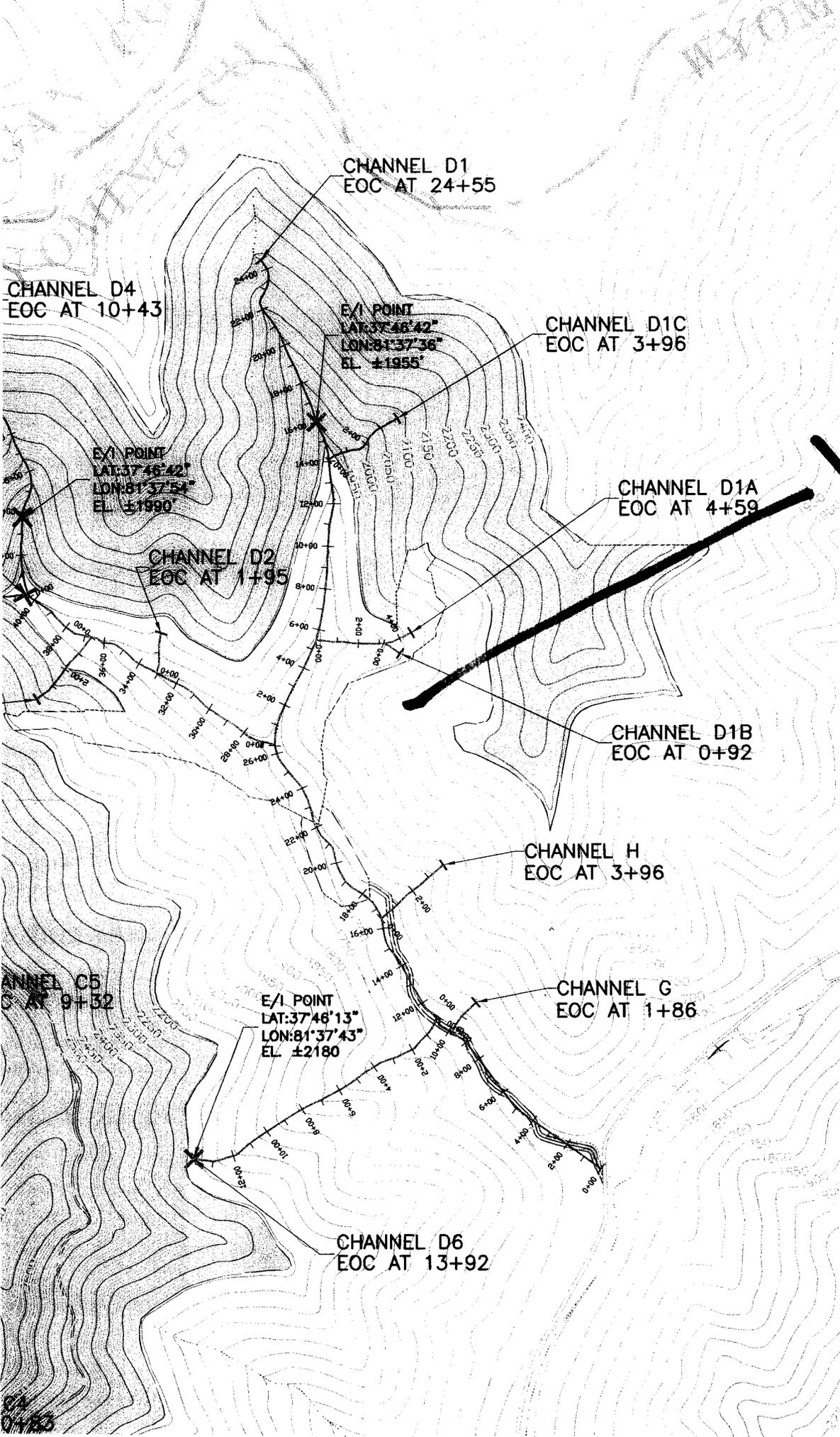
CHANNEL C5
EOC AT 9+32

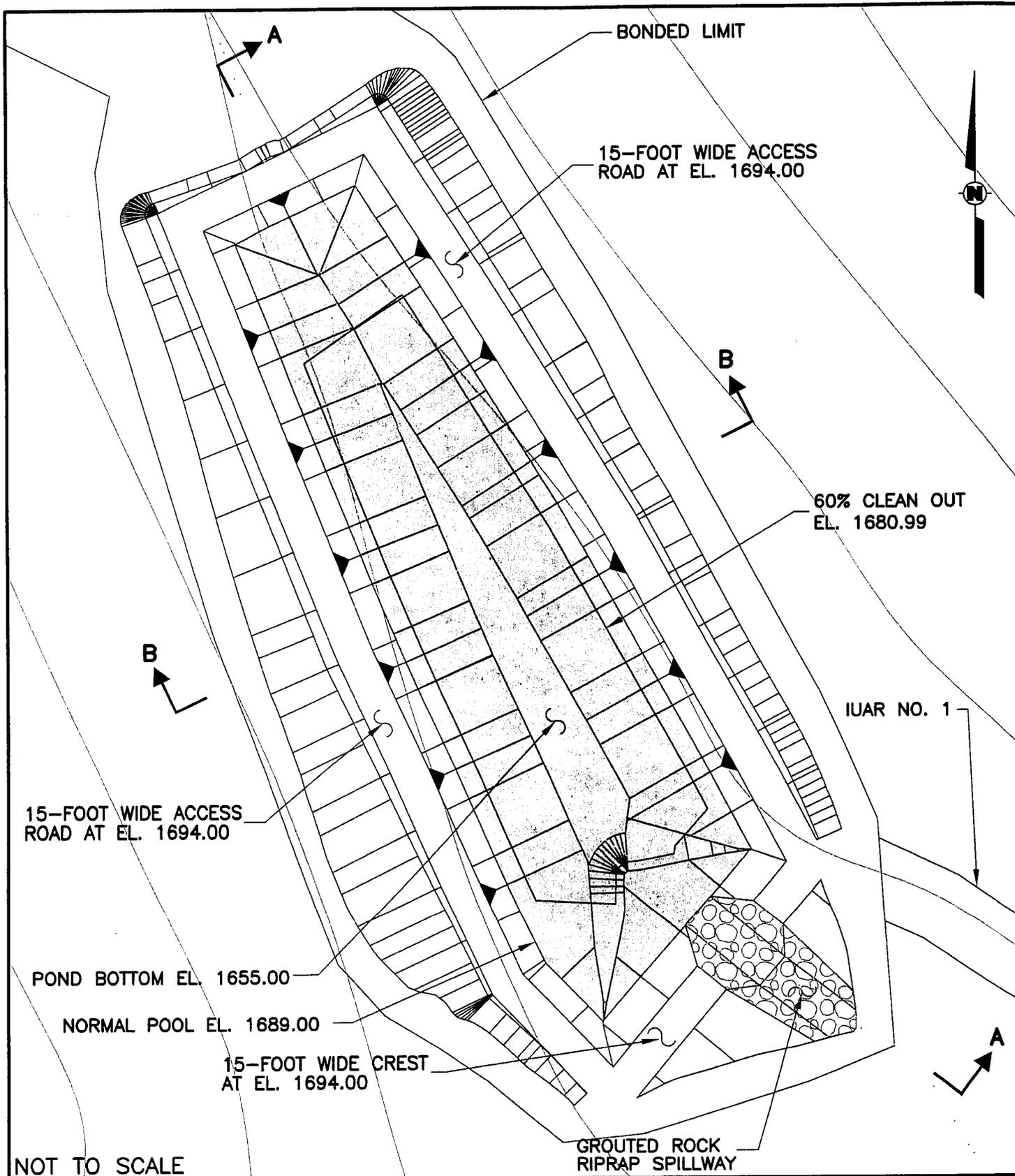
E/I POINT
LAT: 37°46'13"
LON: 81°37'43"
EL. ±2180'

CHANNEL G
EOC AT 1+86

CHANNEL D6
EOC AT 13+92

07/83





NOT TO SCALE

Alliance Consulting, Inc.

Engineers
 Constructors
 Scientists

BECKLEY, WV
 (304) 255-0491
 CANONSBURG, PA
 (724) 745-3630

SMA NO. S-4005-08

NPDES NO. WV1021583

POND NO. 1 - PLAN VIEW

HUFF CREEK SURFACE MINE NO. 1
 WYOMING AND LOGAN COUNTIES, WV

PREPARED FOR

EASTERN ASSOCIATED COAL, LLC
 P.O. BOX 1189, CHARLESTON, WEST VIRGINIA 25324

DRAWN BY JSC 08/07/08

CHECKED BY

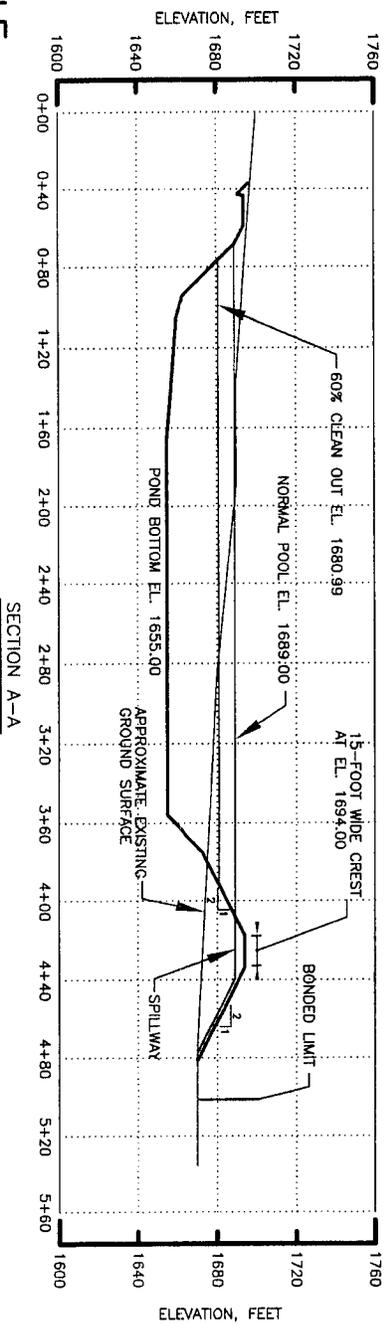
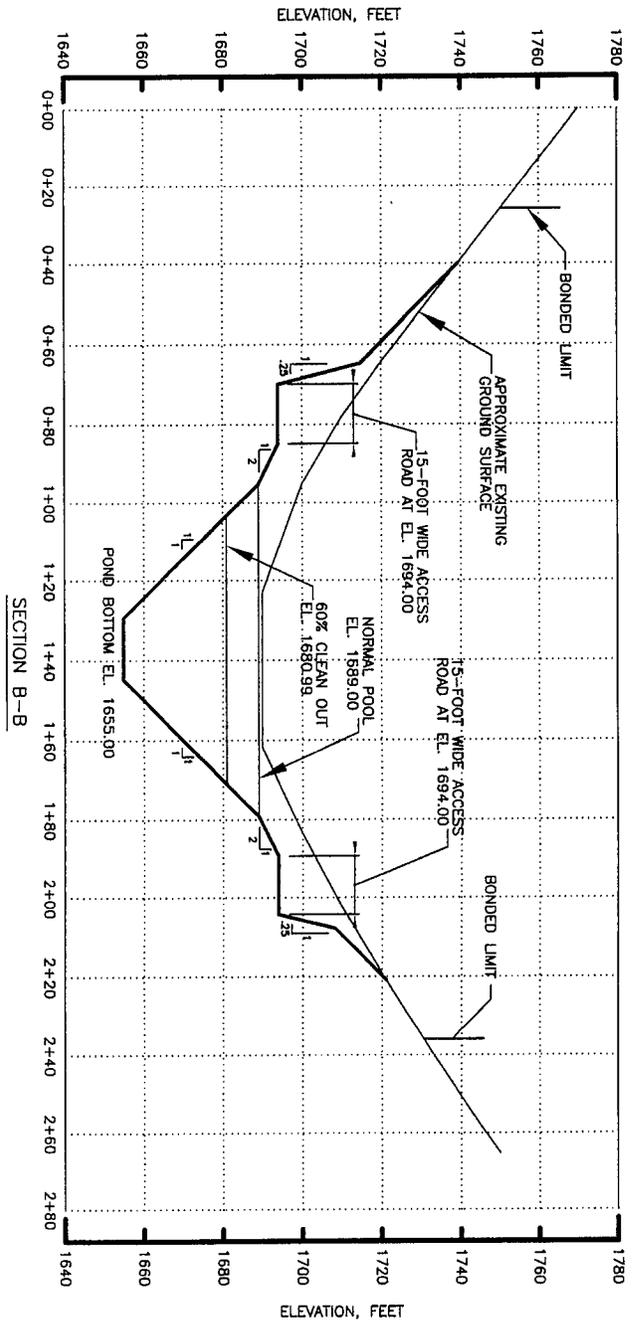
APPROVED BY

DRAWING
 NUMBER

FIGURE
 NUMBER

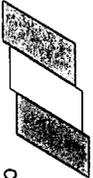
B07-549-A17

NOT TO SCALE



BECKLEY, WV
(304) 255-0491

Alliance Consulting, Inc.



CANONSBURG, PA
(724) 745-3630

Engineers • Constructors • Scientists

SMA NO. S-4005-08 NPDES NO. WV1021583

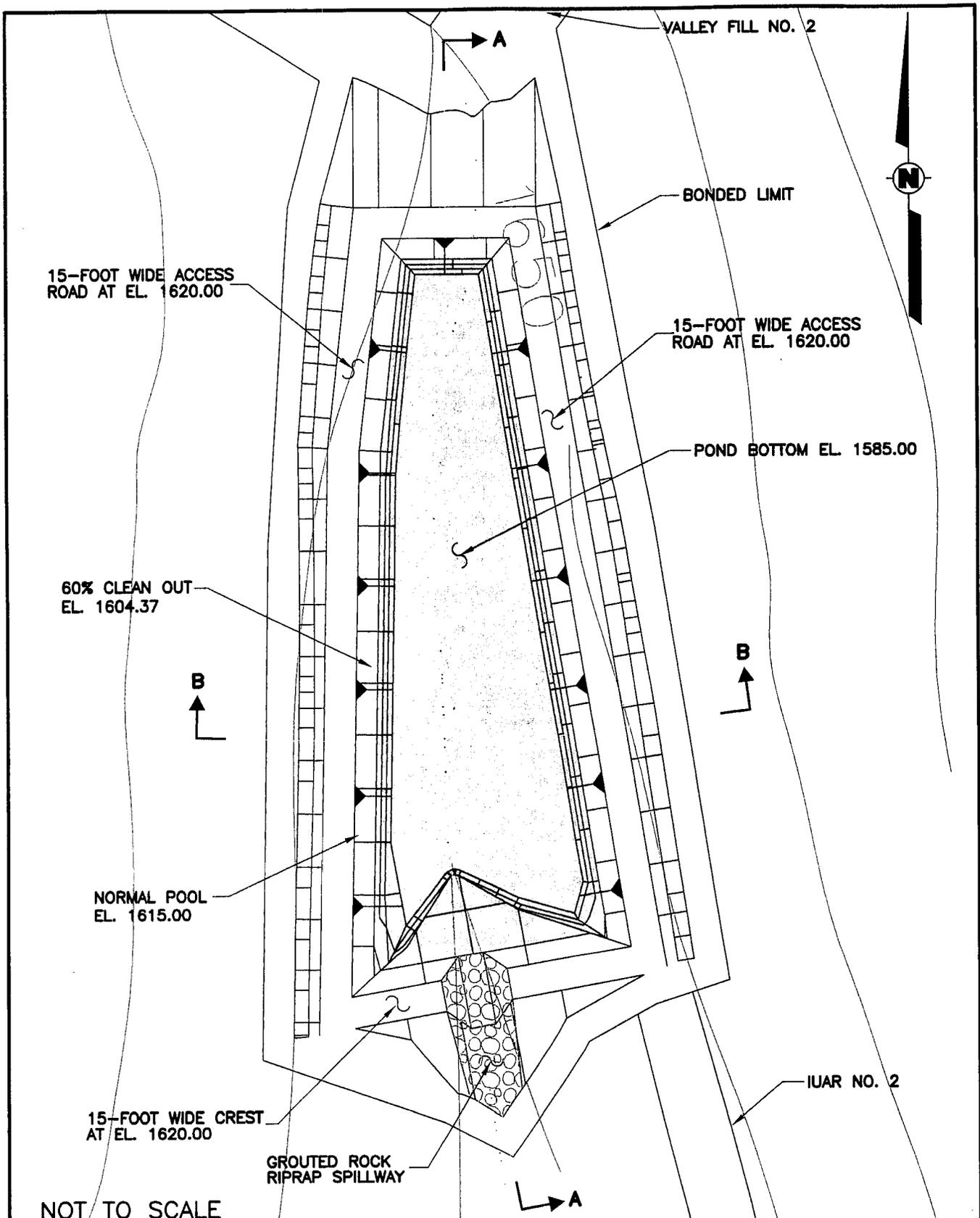
POND NO. 1 - SECTIONS

HUFF CREEK SURFACE MINE NO. 1
WYOMING AND LOGAN COUNTIES, WV

PREPARED FOR

EASTERN ASSOCIATED COAL, LLC
P.O. BOX 1189, CHARLESTON, WEST VIRGINIA 25324

DRAWN BY	JSC	08/07/08
CHECKED BY		
APPROVED BY		
DRAWING NUMBER	B07-549-A18	FIGURE NUMBER



NOT TO SCALE

Alliance Consulting, Inc.
 Engineers
 Constructors
 Scientists

BECKLEY, WV
 (304) 255-0491

CANONSBURG, PA
 (724) 745-3630

SMA NO. S-4005-08 NPDES NO. WV1021583

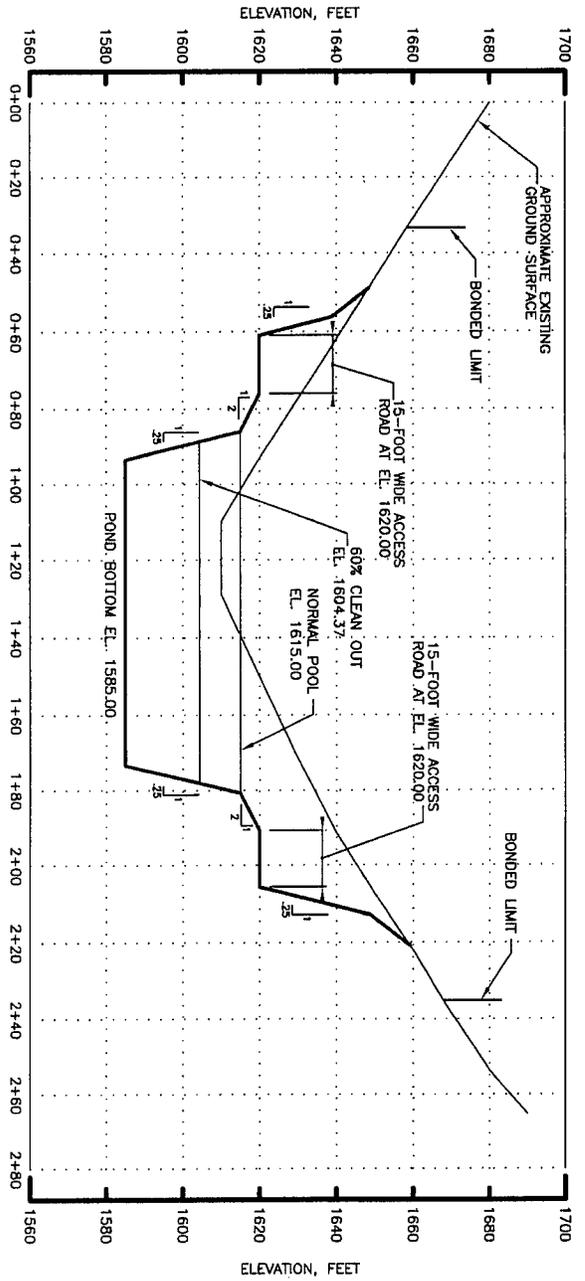
POND NO. 2 - PLAN VIEW

HUFF CREEK SURFACE MINE NO. 1
 WYOMING AND LOGAN COUNTIES, WV

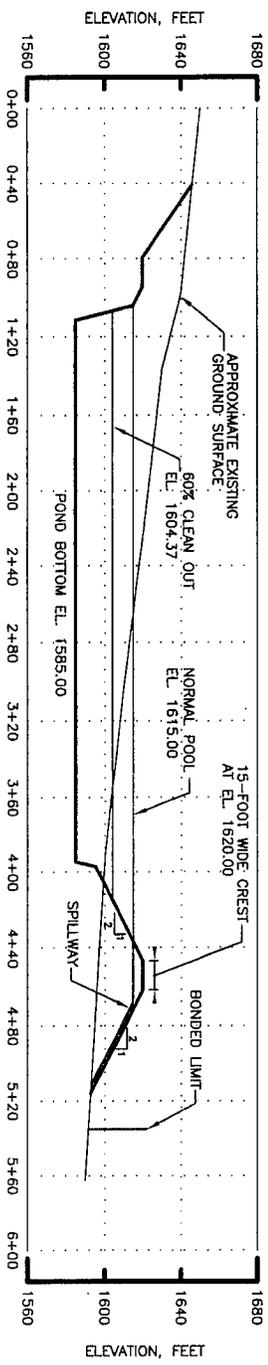
PREPARED FOR
 EASTERN ASSOCIATED COAL, LLC

P.O. BOX 1189, CHARLESTON, WEST VIRGINIA 25324

DRAWN BY	JSC	08/07/08
CHECKED BY		
APPROVED BY		
DRAWING NUMBER	FIGURE NUMBER	
B07-549-A19		



SECTION B-B



SECTION A-A

NOT TO SCALE



BECKLEY, WV
(304) 255-0491

CANONSBURG, PA
(724) 745-3630

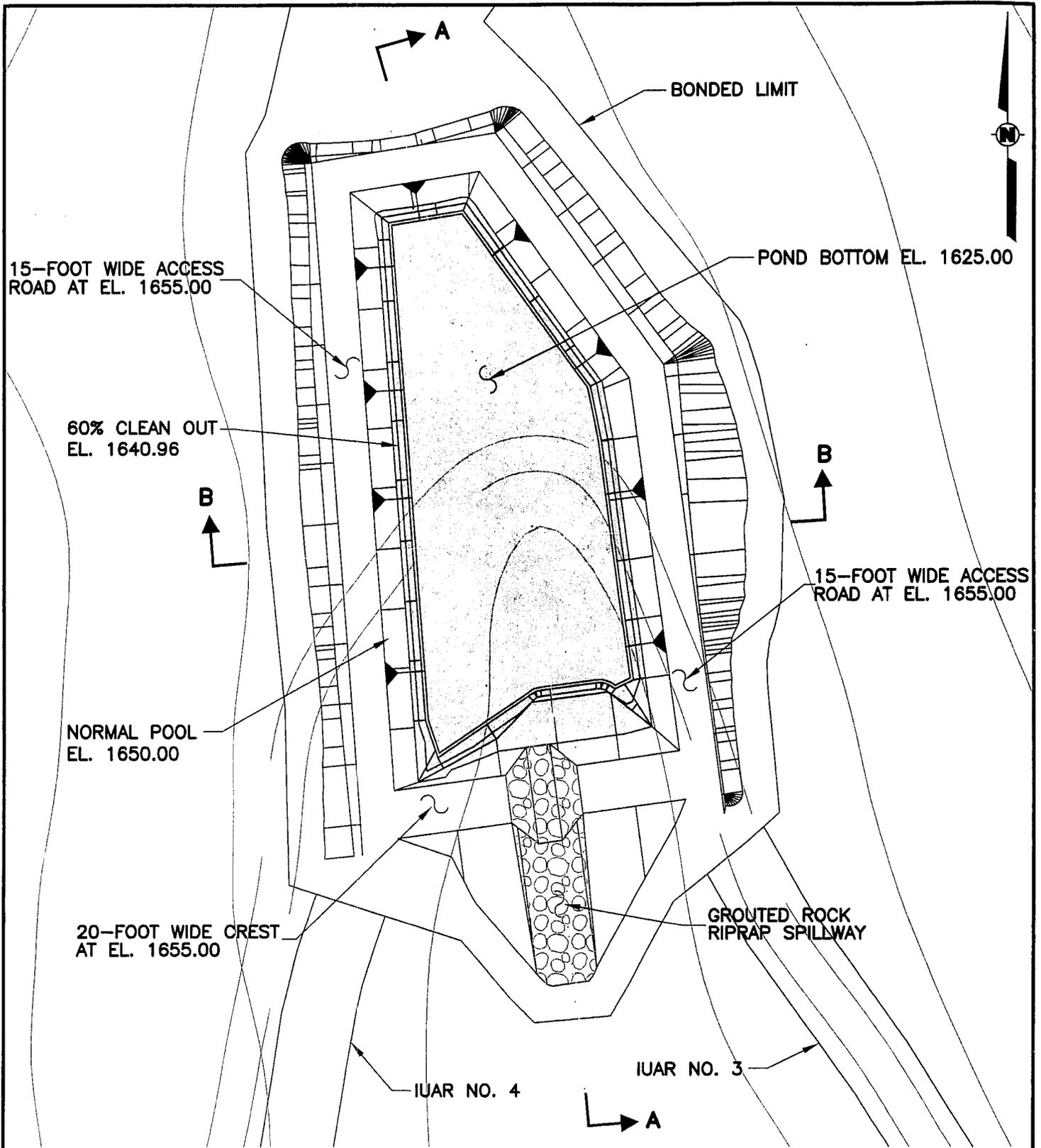
Engineers • Constructors • Scientists

SMA NO. S-4005-08 NPDES NO. WV1021583
POND NO. 2 - SECTIONS

HUFF CREEK SURFACE MINE NO. 1
 WYOMING AND LOGAN COUNTIES, WV

PREPARED FOR
 EASTERN ASSOCIATED COAL, LLC
 P.O. BOX 1189, CHARLESTON, WEST VIRGINIA 25324

DRAWN BY	JSC	08/07/08
CHECKED BY		
APPROVED BY		
DRAWING NUMBER	B07-549-A20	FIGURE NUMBER



NOT TO SCALE

Alliance Consulting, Inc.

Engineers
 Constructors
 Scientists

BECKLEY, WV
 (304) 255-0491
 CANONSBURG, PA
 (724) 745-3630

SMA NO. S-4005-08

NPDES NO. WV1021583

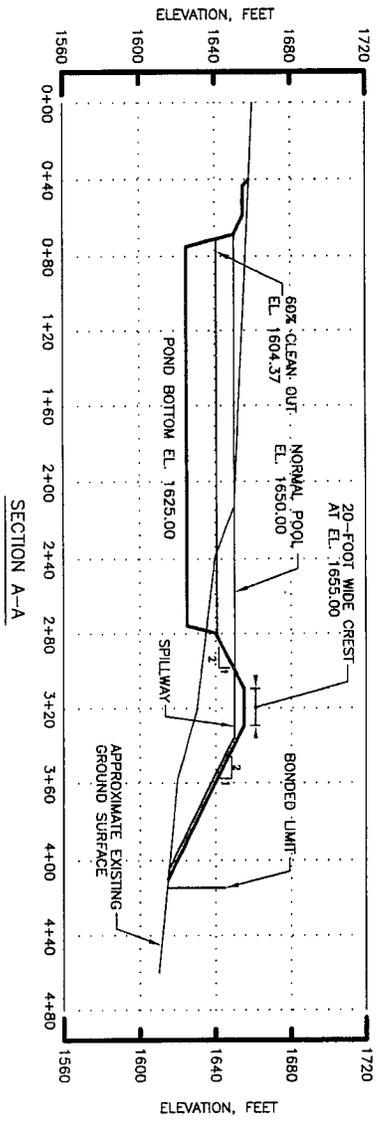
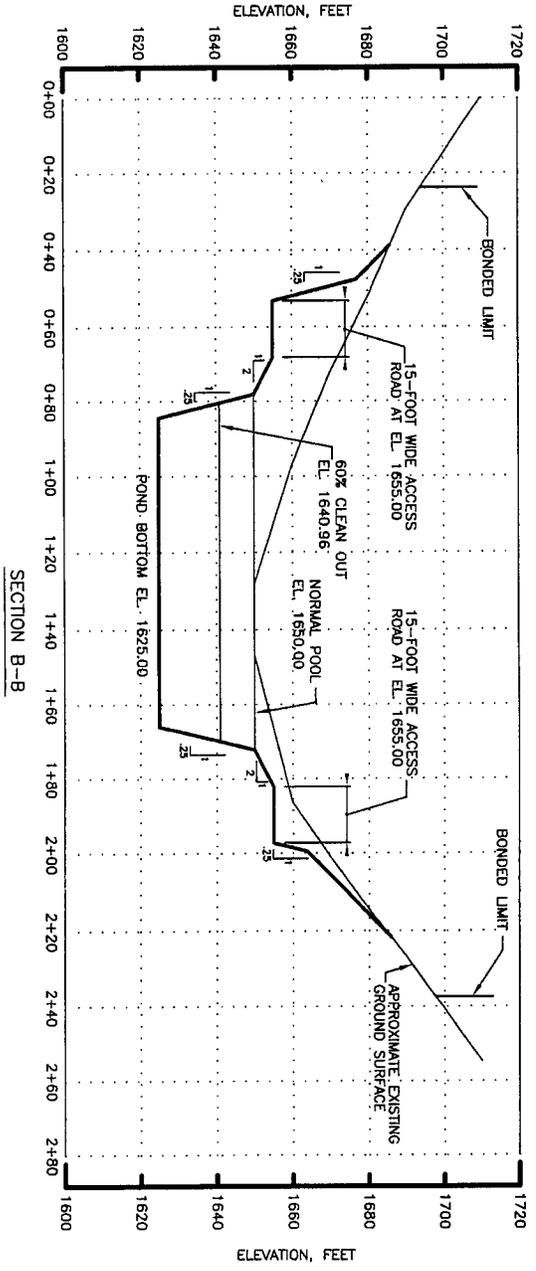
POND NO. 3 - PLAN VIEW

HUFF CREEK SURFACE MINE NO. 1
 WYOMING AND LOGAN COUNTIES, WV

PREPARED FOR

EASTERN ASSOCIATED COAL, LLC
 P.O. BOX 1189, CHARLESTON, WEST VIRGINIA 25324

DRAWN BY	JSC	08/07/08
CHECKED BY		
APPROVED BY		
DRAWING NUMBER	FIGURE NUMBER	
B07-549-A21		



NOT TO SCALE

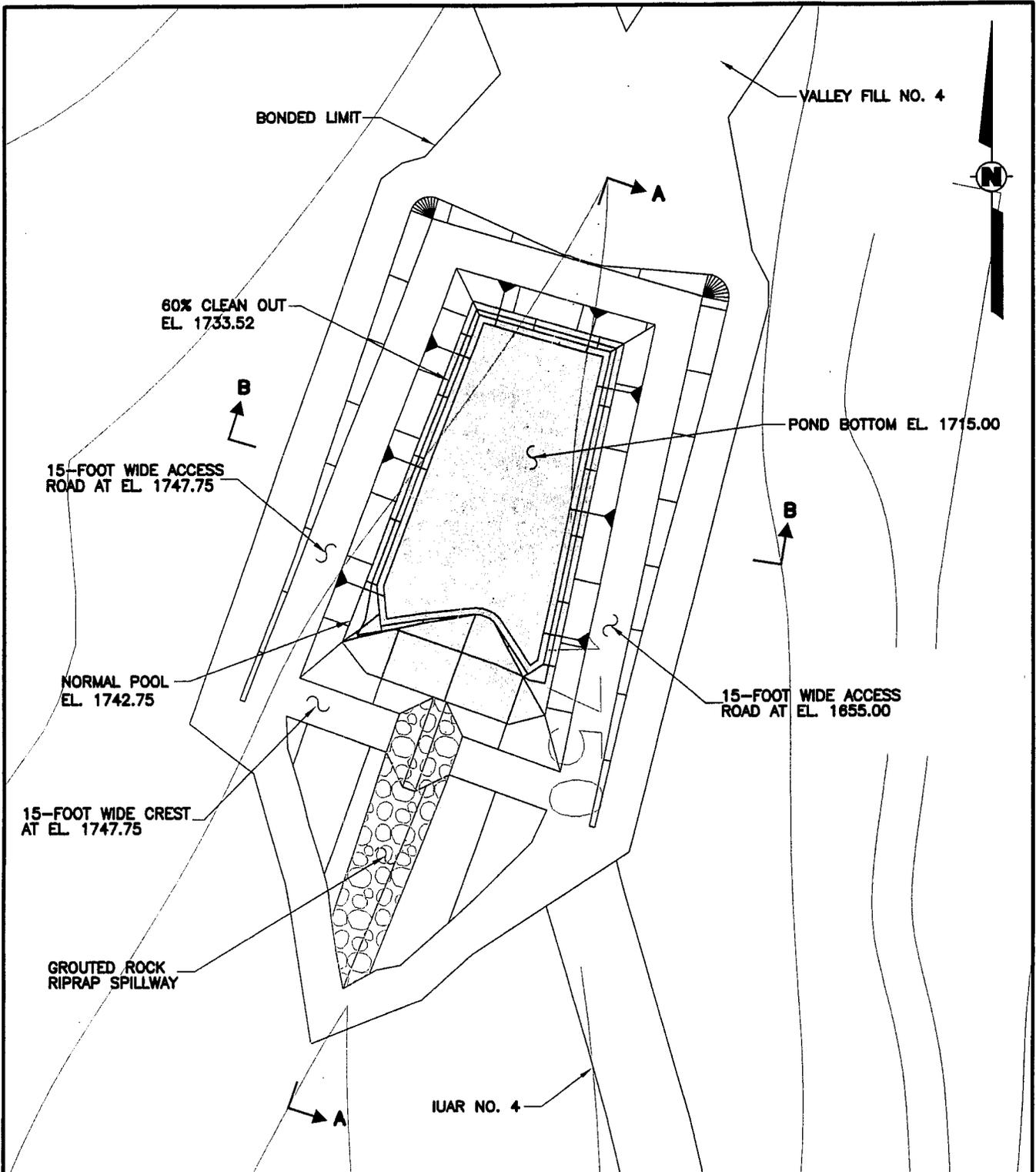
Alliance Consulting, Inc.
 CANONSBURG, PA
 (724) 743-5630

BECKLEY, WV
 (304) 255-0491

Engineers • Constructors • Scientists

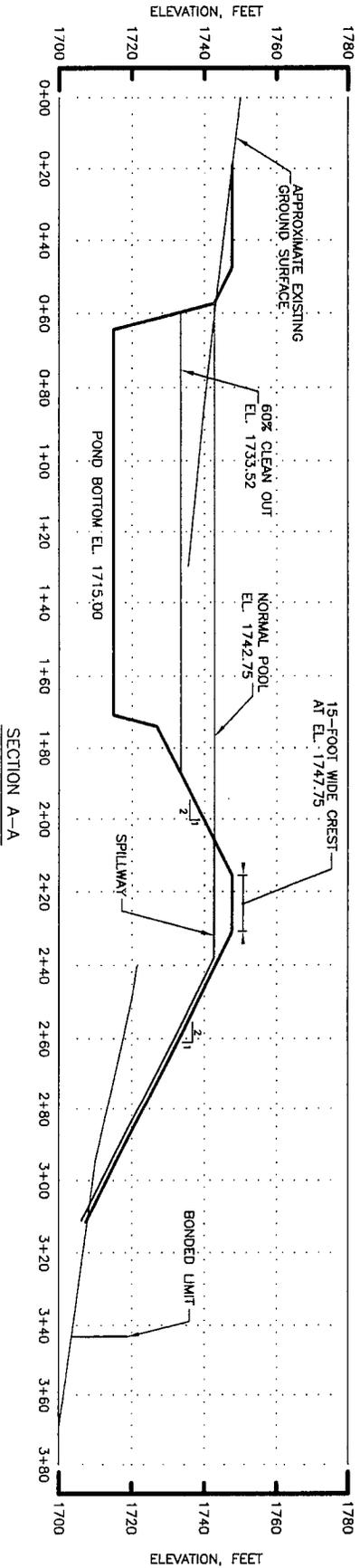
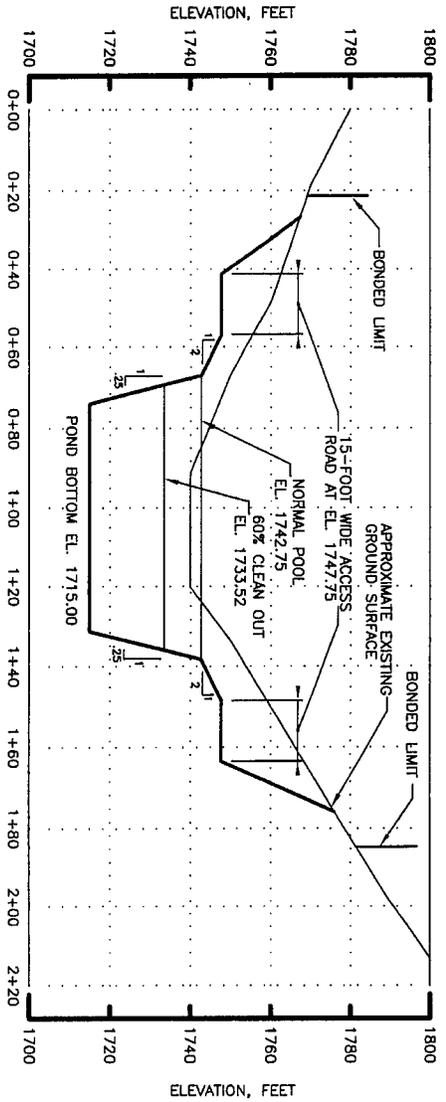
SMA NO. S-4005-08 NPDES NO. WV1021583
POND NO. 3 - SECTIONS
 HUFF CREEK SURFACE MINE NO. 1
 WYOMING AND LOGAN COUNTIES, WV
 PREPARED FOR
 EASTERN ASSOCIATED COAL, LLC
 P.O. BOX 1189, CHARLESTON, WEST VIRGINIA 25324

DRAWN BY	JSC	08/07/08
CHECKED BY		
APPROVED BY		
DRAWING NUMBER	B07-549-A22	FIGURE NUMBER



NOT TO SCALE

<p>Alliance Consulting, Inc. Engineers Constructors Scientists</p> <p>BECKLEY, WV (304) 255-0491 CANONSBURG, PA (724) 745-3630</p>	SMA NO. S-4005-08 NPDES NO. WV1021583	
	POND NO. 4 - PLAN VIEW	
	HUFF CREEK SURFACE MINE NO. 1 WYOMING AND LOGAN COUNTIES, WV	
	PREPARED FOR EASTERN ASSOCIATED COAL, LLC P.O. BOX 1189, CHARLESTON, WEST VIRGINIA 25324	
DRAWN BY	JSC	08/07/08
CHECKED BY		
APPROVED BY		
DRAWING NUMBER	B07-549-A23	FIGURE NUMBER



NOT TO SCALE

BECKLEY, WV
(304) 255-0491

Alliance Consulting, Inc.

CANONSBURG, PA
(724) 745-3630

Engineers • Constructors • Scientists

SMA NO. S-4005-08 NPDES NO. WV1021583

POND NO. 4 - SECTIONS

HUFF CREEK SURFACE MINE NO. 1
WYOMING AND LOGAN COUNTIES, WV

PREPARED FOR
EASTERN ASSOCIATED COAL, LLC

P.O. BOX 1189, CHARLESTON, WEST VIRGINIA 25324

DRAWN BY	JSC	08/07/08
CHECKED BY		
APPROVED BY		
DRAWING NUMBER	B07-549-A24	
FIGURE NUMBER		