

Large Filing Separator Sheet

Case Number : 06-1358-EL-BGN

File Date : 9/5/07

Section : 2 of 2

Number of Pages : 65

Description of Document : Response

Arch Setting: Open

Prehistoric Site: unknown

Residential, Subsistence

**

Disturbed-extent unknown

Agriculture

**

Agricultural

**

-

Unglaciaded Plateau

N/A

Stream Valley

Terrace: unknown

**

**

0-5%

Major: Ohio River, Minor: Ohio River

Ohio River

-

-

Reporting Information

Surface collection

Other: survey transects

**

-

**

150 square meters; 50 meters in diameter

Taped

Yes

Unrecorded

Angela Paolucci

Natural and Ethical Environmental Solutions LLC

2006/07

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**

OHS (pending)

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**

National Register Status Not Assessed

**

**

None

References

1. Kreinbrink, Jeannine 2006 Report for Phase I Archaeology Survey 1,000 Acre Baseload Generating Facility, Letart Township, Meigs County, Ohio. On file at the OHPO, Columbus.
2. Justice, Noel 1987 Stone Age Spear and Arrow Points of the MidContinental and Eastern United States, Indiana University Press, Bloomington, Indiana.

Identification

New Form

Meigs

33MS477

**

38

**

See G1

Location

1. Zone 17, Easting: 419896.6 Northing: 4305857.3

2. Lat: 38.899820 Long: -81.923737

3. Township: Letart

4. **

5. **

6. Confident in site location: yes

Ownership

AMP Ohio

**

Ownership status: private

Temporal Affiliations

Prehistoric and Historic

Unknown

0

**

cupstone

See attached; Researcher:

Kreinbrink, Jeannine 2006 Report for Phase I Archaeology Survey 1,000 Acre Baseload
Generating Facility, Letart Township, Meigs County, Ohio. On file at the OHPO, Columbus.

Justice, Noel 1987 Stone Age Spear and Arrow Points of the MidContinental and Eastern
United States, Indiana University Press, Bloomington, Indiana.

Lithics

3 cores, 4 shatter, 26 flakes, 10 debitage

Non-Aboriginal

unknown

1

**

13.

kitchen

1 whiteware

Physical Description

Arch Setting: Open

Prehistoric Site: unknown

Residential, Subsistence

**

Disturbed-extent unknown

Agriculture

**

Agricultural

**

—

Unglaciaded Plateau

N/A

Stream Valley

Terrace: unknown

**

**

0-5%

Major: Ohio River, Minor: Ohio River

Ohio River

—

—

Reporting Information

Surface collection

Other: survey transects

**

—

**

150 square meters

Taped

Yes

Unrecorded

Angela Paolucci

Natural and Ethical Environmental Solutions LLC

2006/07

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**

**

**

OHS (pending)

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**

National Register Status Not Assessed

**

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None

References

1. Kreinbrink, Jeannine 2006 Report for Phase I Archaeology Survey 1,000 Acre Baseload Generating Facility, Letart Township, Meigs County, Ohio. On file at the OHPO, Columbus.
2. Justice, Noel 1987 Stone Age Spear and Arrow Points of the MidContinental and Eastern United States, Indiana University Press, Bloomington, Indiana.

Ohio Archaeological Inventory Isolated Find Site Form

(Follow applicable instructions in the *Ohio Archaeological Inventory Instruction Manual* for completing the Isolated Find Site Form)

Identification

Site number: 33MS532 (Field site #57)

Location

UTM Coordinates: Zone: Easting: 421152.7 Northing: 4305863.0

Quadrangle Name: Quadrangle Date:

Temporal Affiliation:

Artifact Description: Upper Mercer Flake. Multiplatform.

Reporting Information

Name of Form Preparer: Angela Paolucci

Institution Name: Natural and Ethical Environmental Solutions LLC

Institution Address (include city, state, and zip code): 8857 Cin-Day Rd. Suite 203 West Chester, OH 45069

Institution Telephone Number: (513) 777-7400 Fax Number:

Date of Form (year/month): 2006/07

Field Date (year/month): 2006/05

Primary Reference (contract report title using SAA format- if no report, indicate project name):

Kreinbrink, Jeannine

2006 Report for Phase I Archaeology Survey 1,000 Acre Baseload Generating Facility, Letart Township, Meigs County, Ohio. On file at the OHPO, Columbus.

Mapping (a copy of the USGS topographic map with the isolated find location clearly indicated must accompany this form) See Attached

Identification

New Form

Meigs

33MS533

**

58

**

See G1

Location

1. Zone 17, Easting: 421182.9 Northing: 4305930.0

2. Lat: 38.900591 Long: -81.908913

3. Township: Letart

4. **

5. **

6. Confident in site location: yes

Ownership

AMP Ohio

**

Ownership status: private

Temporal Affiliations

Prehistoric

early archaic 6000-3000BC

1

diagnostic artifacts

Raddatz point

See attached; Researcher:

Kreinbrink, Jeannine 2006 Report for Phase I Archaeology Survey 1,000 Acre Baseload
Generating Facility, Letart Township, Meigs County, Ohio. On file at the OHPO, Columbus.
Justice, Noel 1987 Stone Age Spear and Arrow Points of the MidContinental and Eastern
United States, Indiana University Press, Bloomington, Indiana.

Lithics

9 flakes

**

**

**

**

13.

**

**

Physical Description

Arch Setting: Open

Prehistoric Site: unknown

**

**

Disturbed-extent unknown

Agriculture

**

Agricultural

**

—

Unglaciaded Plateau

N/A

Stream Valley

Terrace: unknown

**

**

0-5%

Major: Ohio River, Minor: Ohio River

Ohio River

—

—

Reporting Information

Surface collection

Other: survey transects

**

—

**

1000 square meters

Taped

Yes

Unrecorded

Angela Paolucci

Natural and Ethical Environmental Solutions LLC

2006/07

**

**

**

**

OHS (pending)

**

**

**

National Register Status Not Assessed

Natural & Ethical Environmental Solutions, LLE

8857 Cincinnati-Dayton Road, Suite 203 West Chester, Ohio 4509

**

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None

References

1. Kreinbrink, Jeannine 2006 Report for Phase I Archaeology Survey 1,000 Acre Baseload Generating Facility, Letart Township, Meigs County, Ohio. On file at the OHPO, Columbus.
2. Justice, Noel 1987 Stone Age Spear and Arrow Points of the MidContinental and Eastern United States, Indiana University Press, Bloomington, Indiana.

Ohio Archaeological Inventory Isolated Find Site Form

(Follow applicable instructions in the *Ohio Archaeological Inventory Instruction Manual* for completing the Isolated Find Site Form)

Identification

Site number: 33MS534 (Field site #59)

Location

UTM Coordinates: Zone: Easting: 421207.6 Northing: 4305770.4

Quadrangle Name: Quadrangle Date:

Temporal Affiliation:

Artifact Description: Tillite Flake. Secondary. Unknown Prehistoric.

Reporting Information

Name of Form Preparer: Angela Paolucci

Institution Name: Natural and Ethical Environmental Solutions LLC

Institution Address (include city, state, and zip code): 8857 Cin-Day Rd. Suite 203 West Chester, OH 45069

Institution Telephone Number: (513) 777-7400 Fax Number:

Date of Form (year/month): 2006/07

Field Date (year/month): 2006/05

Primary Reference (contract report title using SAA format- if no report, indicate project name):

Kreinbrink, Jeannine

2006 Report for Phase I Archaeology Survey 1,000 Acre Baseload Generating Facility, Letart Township, Meigs County, Ohio. On file at the OHPO, Columbus.

Mapping (a copy of the USGS topographic map with the isolated find location clearly indicated must accompany this form) See Attached

Identification

New Form

Meigs

33MS535

**

60

**

See G1

Location

1. Zone 17, Easting: 421223.7 Northing: 4305907.3

2. Lat: 38.900390 Long: -81908440

3. Township: Letart

4. **

5. **

6. Confident in site location: yes

Ownership

AMP Ohio

**

Ownership status: private

Temporal Affiliations

Prehistoric

Unknown

0

**

**

See attached; Researcher:

Kreinbrink, Jeannine 2006 Report for Phase I Archaeology Survey 1,000 Acre Baseload
Generating Facility, Letart Township, Meigs County, Ohio. On file at the OHPO, Columbus.

Justice, Noel 1987 Stone Age Spear and Arrow Points of the MidContinental and Eastern
United States, Indiana University Press, Bloomington, Indiana.

Lithics

1 chert core, 2 flakes

**

**

**

**

13.

**

**

Physical Description

Arch Setting: Open

Prehistoric Site: unknown

**

**

Disturbed-extent unknown

Agriculture

**

Agricultural

**

—

Unglaciaded Plateau

N/A

Stream Valley

Terrace: unknown

**

**

0-5%

Major: Ohio River, Minor: Ohio River

Ohio River

—

—

Reporting Information

Surface collection

Other: survey transects

**

—

**

150 square meters

Taped

Yes

Unrecorded

Angela Paolucci

Natural and Ethical Environmental Solutions LLC

2006/07

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**

**

OHS (pending)

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**

National Register Status Not Assessed

**

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None

References

1. Kreinbrink, Jeannine 2006 Report for Phase I Archaeology Survey 1,000 Acre Baseload Generating Facility, Letart Township, Meigs County, Ohio. On file at the OHPO, Columbus.
2. Justice, Noel 1987 Stone Age Spear and Arrow Points of the MidContinental and Eastern United States, Indiana University Press, Bloomington, Indiana.

Identification

New Form

Meigs

33MS536

**

61

**

See G1

Location

1. Zone 17, Easting: 421280.0 Northing: 4305907.0
2. Lat: 38.900392 Long: -81.907791
3. Township: Letart
4. **
5. **
6. Confident in site location: yes

Ownership

AMP Ohio

**

Ownership status: private

Temporal Affiliations

Prehistoric

Unknown

0

diagnostic artifacts

**

See attached; Researcher:

Kreinbrink, Jeannine 2006 Report for Phase I Archaeology Survey 1,000 Acre Baseload Generating Facility, Letart Township, Meigs County, Ohio. On file at the OHPO, Columbus.
Justice, Noel 1987 Stone Age Spear and Arrow Points of the MidContinental and Eastern United States, Indiana University Press, Bloomington, Indiana.

Lithics

1 upper mercer flake, 1 newman paol flint

**

**

**

**

13.

**

**

Physical Description

Arch Setting: Open

Prehistoric Site: unknown

**

**

Disturbed-extent unknown

Agriculture

**

Agricultural

**

-

Unglaciaded Plateau

N/A

Stream Valley

Terrace: unknown

**

**

0-5%

Major: Ohio River, Minor: Ohio River

Ohio River

-

-

Reporting Information

Surface collection

Other: survey transects

**

-

**

5 m in diameter

Taped

Yes

Unrecorded

Angela Paolucci

Natural and Ethical Environmental Solutions LLC

Natural & Ethical Environmental Solutions, LLE

8857 Cincinnati-Dayton Road, Suite 203 West Chester, Ohio 4509

2006/07

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**

OHS (pending)

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**

National Register Status Not Assessed

**

**

None

References

1. Kreinbrink, Jeannine 2006 Report for Phase I Archaeology Survey 1,000 Acre Baseload Generating Facility, Letart Township, Meigs County, Ohio. On file at the OHPO, Columbus.
2. Justice, Noel 1987 Stone Age Spear and Arrow Points of the MidContinental and Eastern United States, Indiana University Press, Bloomington, Indiana.

Ohio Archaeological Inventory Isolated Find Site Form

(Follow applicable instructions in the *Ohio Archaeological Inventory Instruction Manual* for completing the Isolated Find Site Form)

Identification

Site number: 33MS483 (Field site #62)

Location

UTM Coordinates: Zone: Easting: 419988.0 Northing: 4305972.0

Quadrangle Name: Quadrangle Date:

Temporal Affiliation:

Artifact Description: Projectile Point. Big Sandy Point. 8000-6000BC.

Reporting Information

Name of Form Preparer: Angela Paolucci

Institution Name: Natural and Ethical Environmental Solutions LLC

Institution Address (include city, state, and zip code): 8857 Cin-Day Rd. Suite 203 West Chester, OH 45069

Institution Telephone Number: (513) 777-7400 Fax Number:

Date of Form (year/month): 2006/07

Field Date (year/month): 2006/05

Primary Reference (contract report title using SAA format- if no report, indicate project name): Kreinbrink, Jeannine

2006 Report for Phase I Archaeology Survey 1,000 Acre Baseload Generating Facility, Letart Township, Meigs County, Ohio. On file at the OHPO, Columbus.

Mapping (a copy of the USGS topographic map with the isolated find location clearly indicated must accompany this form) See Attached

Identification

New Form

Meigs

33MS522

**

63

**

See G1

Location

1. Zone 17, Easting: 420469.6 Northing: 4306208.6

2. Lat: 38.903037 Long: -81.917170

3. Township: Letart

4. **

5. **

6. Confident in site location: yes

Ownership

AMP Ohio

**

Ownership status: private

Temporal Affiliations

Historic

**

**

**

**

See attached; Researcher:

Kreinbrink, Jeannine 2006 Report for Phase I Archaeology Survey 1,000 Acre Baseload
Generating Facility, Letart Township, Meigs County, Ohio. On file at the OHPO, Columbus.

Justice, Noel 1987 Stone Age Spear and Arrow Points of the MidContinental and Eastern
United States, Indiana University Press, Bloomington, Indiana.

**

**

Non-Aboriginal

19th -20th century

2

**

13. See attached; researcher: Jeannine Kreinbrink

Personal, Kitchen, Architecture, Furniture

1 flowerpot, 1 marble, 3 ironstone, 1 earthenware, 14 nails, 20 whiteware, 17 glass, 1 porcelain, 2
yellowware, 6 stoneware, 1 knife

Physical Description

**

**

Residential, Subsistence

**

Disturbed-extent unknown

Agriculture

**

Agricultural

**

—

Unglaciaded Plateau

N/A

Stream Valley

Terrace: unknown

**

**

0-5%

Major: Ohio River, Minor: Ohio River

Ohio River

—

—

Reporting Information

Surface collection

Other: survey transects

**

—

**

3150 square meters

Taped

Yes

Unrecorded

Angela Paolucci

Natural and Ethical Environmental Solutions LLC

2006/07

**

**

**

**

OHS (pending)

**

**

**

National Register Status Not Assessed

None

References

- 1. Kreinbrink, Jeannine 2006 Report for Phase I Archaeology Survey 1,000 Acre Baseload Generating Facility, Letart Township, Meigs County, Ohio. On file at the OHPO, Columbus.**
- 2. Justice, Noel 1987 Stone Age Spear and Arrow Points of the MidContinental and Eastern United States, Indiana University Press, Bloomington, Indiana.**

Identification

New Form

Meigs

33MS512

64

See G1

Location

1. Zone 17, Easting: 420691.0 Northing: 4305352.0

2. Lat: 38.895339 Long: -81.914518

3. Township: Letart

4. **

5. **

6. Confident in site location: yes

Ownership

AMP Ohio

Ownership status: private

Temporal Affiliations

Prehistoric

mid-late archaic 3500-1800BC

1

Lamoka Point. Upper Mercer chert, basal edge, expanded base, tip reshaped, asymmetrical stem, original surface

See attached; Researcher:

Kreinbrink, Jeannine 2006 Report for Phase I Archaeology Survey 1,000 Acre Baseload Generating Facility, Letart Township, Meigs County, Ohio. On file at the OHPO, Columbus.
Justice, Noel 1987 Stone Age Spear and Arrow Points of the MidContinental and Eastern United States, Indiana University Press, Bloomington, Indiana.

Lithics

2 flakes

13.

Physical Description

Arch Setting: Open

Prehistoric Site: unknown

**

**

Disturbed-extent unknown

Agriculture

**

Agricultural

**

—

Unglaciaded Plateau

N/A

Stream Valley

Terrace: unknown

**

**

0-5%

Major: Ohio River, Minor: Ohio River

Ohio River

—

—

Reporting Information

Surface collection

Other: survey transects

**

—

**

30m in diameter

Taped

Yes

Unrecorded

Angela Paolucci

Natural and Ethical Environmental Solutions LLC

2006/07

**

**

**

**

OHS (pending)

**

**

**

National Register Status Not Assessed

**

**

None

References

1. Kreinbrink, Jeannine 2006 Report for Phase I Archaeology Survey 1,000 Acre Baseload Generating Facility, Letart Township, Meigs County, Ohio. On file at the OHPO, Columbus.
2. Justice, Noel 1987 Stone Age Spear and Arrow Points of the MidContinental and Eastern United States, Indiana University Press, Bloomington, Indiana.

Ohio Archaeological Inventory Isolated Find Site Form

(Follow applicable instructions in the *Ohio Archaeological Inventory Instruction Manual* for completing the Isolated Find Site Form)

Identification

Site number: 33MS513 (Field site #65)

Location

UTM Coordinates: Zone: Easting: 420662.0 Northing: 4305162.4

Quadrangle Name: Quadrangle Date:

Temporal Affiliation:

Artifact Description: Palmer/Kirk serrated point. 7500-6900BC.

Reporting Information

Name of Form Preparer: Angela Paolucci

Institution Name: Natural and Ethical Environmental Solutions LLC

Institution Address (include city, state, and zip code): 8857 Cin-Day Rd. Suite 203 West Chester, OH 45069

Institution Telephone Number: (513) 777-7400 Fax Number:

Date of Form (year/month): 2006/07

Field Date (year/month): 2006/06

Primary Reference (contract report title using SAA format- if no report, indicate project name):
Kreinbrink, Jeannine
2006 Report for Phase I Archaeology Survey 1,000 Acre Baseload Generating Facility, Letart Township, Meigs County, Ohio. On file at the OHPO, Columbus.

Mapping (a copy of the USGS topographic map with the isolated find location clearly indicated must accompany this form) See Attached

Ohio Archaeological Inventory Isolated Find Site Form

(Follow applicable instructions in the *Ohio Archaeological Inventory Instruction Manual* for completing the Isolated Find Site Form)

Identification

Site number: 33MS523 (Field site #66)

Location

UTM Coordinates: Zone: Easting: ** Northing: **

Quadrangle Name: Quadrangle Date:

Temporal Affiliation:

Artifact Description: Chert Flake. Unknown Prehistoric.

Reporting Information

Name of Form Preparer: Angela Paolucci

Institution Name: Natural and Ethical Environmental Solutions LLC

Institution Address (include city, state, and zip code): 8857 Cin-Day Rd. Suite 203 West Chester, OH 45069

Institution Telephone Number: (513) 777-7400 Fax Number:

Date of Form (year/month): 2006/07

Field Date (year/month): 2006/05

Primary Reference (contract report title using SAA format- if no report, indicate project name):
Kreinbrink, Jeannine

2006 Report for Phase I Archaeology Survey 1,000 Acre Baseload Generating Facility, Letart Township, Meigs County, Ohio. On file at the OHPO, Columbus.

Mapping (a copy of the USGS topographic map with the isolated find location clearly indicated must accompany this form) See Attached

Ohio Archaeological Inventory Isolated Find Site Form

(Follow applicable instructions in the *Ohio Archaeological Inventory Instruction Manual* for completing the Isolated Find Site Form)

Identification

Site number: 33MS524 (Field site #67)

Location

UTM Coordinates: Zone: Easting: ** Northing: **

Quadrangle Name: Quadrangle Date:

Temporal Affiliation:

Artifact Description: Brush Creek Medial Flake. Unknown Prehistoric.

Reporting Information

Name of Form Preparer: Angela Paolucci

Institution Name: Natural and Ethical Environmental Solutions LLC

Institution Address (include city, state, and zip code): 8857 Cin-Day Rd. Suite 203 West Chester, OH 45069

Institution Telephone Number: (513) 777-7400 Fax Number:

Date of Form (year/month): 2006/07

Field Date (year/month): 2006/06

Primary Reference (contract report title using SAA format- if no report, indicate project name):

Kreinbrink, Jeannine

2006 Report for Phase I Archaeology Survey 1,000 Acre Baseload Generating Facility, Letart Township, Meigs County, Ohio. On file at the OHPO, Columbus.

Mapping (a copy of the USGS topographic map with the isolated find location clearly indicated must accompany this form) See Attached

Ohio Archaeological Inventory Isolated Find Site Form

(Follow applicable instructions in the *Ohio Archaeological Inventory Instruction Manual* for completing the Isolated Find Site Form)

Identification

Site number: 33MS525 (Field site #68)

Location

UTM Coordinates: Zone: Easting: ** Northing: **

Quadrangle Name: Quadrangle Date:

Temporal Affiliation:

Artifact Description: Chert Flake. Cortex, heated. Unknown Prehistoric.

Reporting Information

Name of Form Preparer: Angela Paolucci

Institution Name: Natural and Ethical Environmental Solutions LLC

Institution Address (include city, state, and zip code): 8857 Cin-Day Rd. Suite 203 West Chester, OH 45069

Institution Telephone Number: (513) 777-7400 Fax Number:

Date of Form (year/month): 2006/07

Field Date (year/month): 2006/06

Primary Reference (contract report title using SAA format- if no report, indicate project name):

Kreinbrink, Jeannine

2006 Report for Phase I Archaeology Survey 1,000 Acre Baseload Generating Facility, Letart Township, Meigs County, Ohio. On file at the OHPO, Columbus.

Mapping (a copy of the USGS topographic map with the isolated find location clearly indicated must accompany this form) See Attached

Ohio Archaeological Inventory Isolated Find Site Form

(Follow applicable instructions in the *Ohio Archaeological Inventory Instruction Manual* for completing the Isolated Find Site Form)

Identification

Site number: 33MS526 (Field site #69)

Location

UTM Coordinates: Zone: Easting: ** Northing: **

Quadrangle Name: Quadrangle Date:

Temporal Affiliation:

Artifact Description: Chert Flake. White colored, proximal, simple platform. Unknown Prehistoric.

Reporting Information

Name of Form Preparer: Angela Paolucci

Institution Name: Natural and Ethical Environmental Solutions LLC

Institution Address (include city, state, and zip code): 8857 Cin-Day Rd. Suite 203 West Chester, OH 45069

Institution Telephone Number: (513) 777-7400 Fax Number:

Date of Form (year/month): 2006/07

Field Date (year/month): 2006/06

Primary Reference (contract report title using SAA format- if no report, indicate project name): Kreinbrink, Jeannine

2006 Report for Phase I Archaeology Survey 1,000 Acre Baseload Generating Facility, Letart Township, Meigs County, Ohio. On file at the OHPO, Columbus.

Mapping (a copy of the USGS topographic map with the isolated find location clearly indicated must accompany this form) See Attached

Identification

New Form

Meigs

33MS540

**

Field Site #73

**

See G1

Location

1. Zone 17, Easting: ** Northing: **

2. Lat: ** Long: **

3. Township: Letart

4. **

5. **

6. Confident in site location: yes

Ownership

AMP Ohio

**

Ownership status: private

Temporal Affiliations

Prehistoric

Late Woodland 1000-1500AD

1

Diagnostic Artifacts

Triangular Point

See attached; Researcher:

Kreinbrink, Jeannine 2006 Report for Phase I Archaeology Survey 1,000 Acre Baseload
Generating Facility, Letart Township, Meigs County, Ohio. On file at the OHPO, Columbus.

Justice, Noel 1987 Stone Age Spear and Arrow Points of the MidContinental and Eastern
United States, Indiana University Press, Bloomington, Indiana.

Lithics

8 Flakes

Physical Description

Arch Setting: Open

Prehistoric Site: unknown

**

**

Disturbed-extent unknown

Agriculture

**

Agricultural

—

Unglaciaded Plateau

N/A

Stream Valley

Terrace: unknown

0-5%

Major: Ohio River, Minor: Ohio River

Ohio River

—

—

Reporting Information

Surface collection

Other: survey transects

—

5m in diameter

Taped

Yes

Unrecorded

Angela Paolucci

Natural and Ethical Environmental Solutions LLC

2006/07

OHS (pending)

National Register Status Not Assessed

None

References

1. Kreinbrink, Jeannine 2006 Report for Phase I Archaeology Survey 1,000 Acre Baseload Generating Facility, Letart Township, Meigs County, Ohio. On file at the OHPO, Columbus.

Natural & Ethical Environmental Solutions, LLE
8857 Cincinnati-Dayton Road, Suite 203 West Chester, Ohio 4509

2. Justice, Noel 1987 Stone Age Spear and Arrow Points of the MidContinental and Eastern United States, Indiana University Press, Bloomington, Indiana.

Identification

New Form

Meigs

33MS541

**

Field Site #73

**

See G1

Location

1. Zone 17, Easting: ** Northing: **

2. Lat: ** Long: **

3. Township: Letart

4. **

5. **

6. Confident in site location: yes

Ownership

AMP Ohio

**

Ownership status: private

Temporal Affiliations

Prehistoric

Late Woodland 1000-1500AD

1

Diagnostic Artifacts

Triangular Point

See attached; Researcher:

Kreinbrink, Jeannine 2006 Report for Phase I Archaeology Survey 1,000 Acre Baseload
Generating Facility, Letart Township, Meigs County, Ohio. On file at the OHPO, Columbus.
Justice, Noel 1987 Stone Age Spear and Arrow Points of the MidContinental and Eastern
United States, Indiana University Press, Bloomington, Indiana.

Lithics

6 Flakes

Physical Description

Arch Setting: Open

Prehistoric Site: unknown

**

**

Disturbed-extent unknown

Agriculture

**

Agricultural

**

Unglaciaded Plateau

N/A

Stream Valley

Terrace: unknown

**

**

0-5%

Major: Ohio River, Minor: Ohio River

Ohio River

-

-

Reporting Information

Surface collection

Other: survey transects

**

-

**

300 square meters

Taped

Yes

Unrecorded

Angela Paolucci

Natural and Ethical Environmental Solutions LLC

2006/07

**

**

**

**

OHS (pending)

**

**

**

National Register Status Not Assessed

**

**

None

References

1. Kreinbrink, Jeannine 2006 Report for Phase I Archaeology Survey 1,000 Acre Baseload Generating Facility, Letart Township, Meigs County, Ohio. On file at the OHPO, Columbus.
2. Justice, Noel 1987 Stone Age Spear and Arrow Points of the MidContinental and Eastern United States, Indiana University Press, Bloomington, Indiana.

Identification

New Form

Meigs

33MS542

**

Field Site #75

**

See G1

Location

1. Zone 17, Easting: ** Northing: **

2. Lat: ** Long: **

3. Township: Letart

4. **

5. **

6. Confident in site location: yes

Ownership

AMP Ohio

**

Ownership status: private

Temporal Affiliations

Prehistoric

Woodland

1

Diagnostic Artifacts

**

See attached; Researcher:

Kreinbrink, Jeannine 2006 Report for Phase I Archaeology Survey 1,000 Acre Baseload
Generating Facility, Letart Township, Meigs County, Ohio. On file at the OHPO, Columbus.

Justice, Noel 1987 Stone Age Spear and Arrow Points of the MidContinental and Eastern
United States, Indiana University Press, Bloomington, Indiana.

Lithics, Ceramics

5 Flakes, 5 pottery

Physical Description

Arch Setting: Open

Prehistoric Site: unknown

**

**

Disturbed-extent unknown

Agriculture

**

Agricultural

**

—

Unglaciaded Plateau

N/A

Stream Valley

Terrace: unknown

**

**

0-5%

Major: Ohio River, Minor: Ohio River

Ohio River

—

Reporting Information

Surface collection

Other: survey transects

**

—

**

300 square meters

Taped

Yes

Unrecorded

Angela Paolucci

Natural and Ethical Environmental Solutions LLC

2006/07

**

**

**

**

OHS (pending)

**

**

**

National Register Status Not Assessed

**

**

None

References

**Kreinbrink, Jeannine 2006 Report for Phase I Archaeology Survey 1,000 Acre Baseload
Generating Facility, Letart Township, Meigs County, Ohio. On file at the OHPO, Columbus.**

**2. Justice, Noel 1987 Stone Age Spear and Arrow Points of the MidContinental and Eastern
United States, Indiana University Press, Bloomington, Indiana.**

Attachment B



**AMP
OHIO**
American Municipal
Power-Ohio, Inc.

Lee Pittman
U.S. Army Corps of Engineers, Huntington District
Attention: CELRH-OR-F
502 8th Street
Huntington, WV 25701-2070

Dear Ms. Pittman:

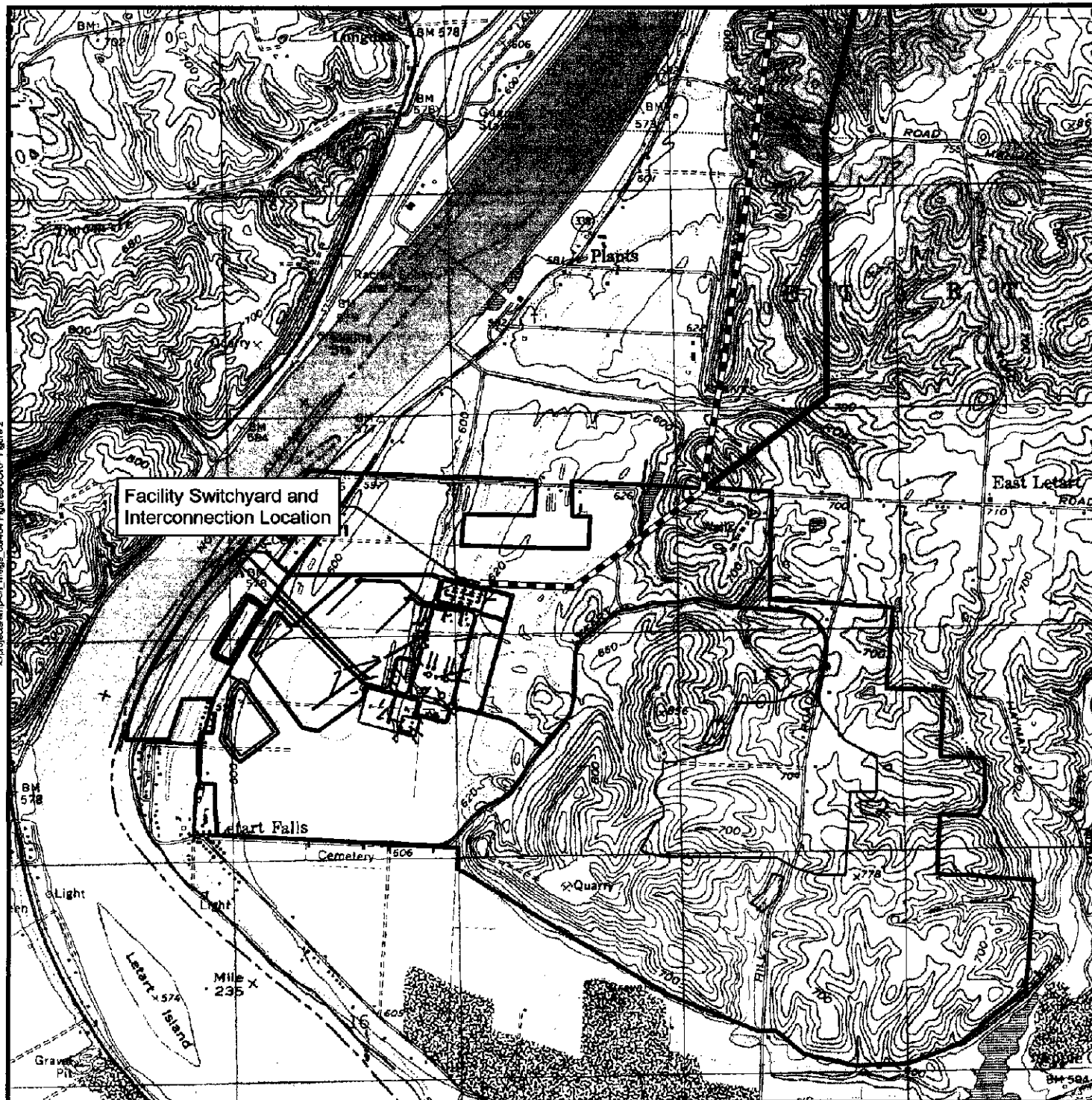
In response to your request I am providing eleven figures in the following format: one (1) color paper copy of each, one (1) black and white paper copy of each, and one (1) "pdf" electronic copy of each contained on a single CD.

Respectfully,




Enclosures

OHIO: AKERS • ARCADIA • ASCANUM • BEACH CITY • BEANCHESLER • BLOOMDALE • BOWLING GREEN • BRADNER • BREWSTER • BRYAN • CARRY • CELINA • CLEVELAND
CLIDE • COLUMBIANA • COLUMBUS • CUSHEA • CUYAHOGA FALLS • CYNERT • DESHER • DOWRY • ELLINGTON • ELDON • ELMO • GAITHER • GLENDA • GREENE • HATHORN
HAYDICH • HAMILTON • HASTING • HOLIDAY CITY • HUBBARD • HUDSON • HURON • JACKSON • JACKSON CENTER • JEFFERSON • JERAMON • LEBAN • LEXAS • MAPLEVIEW
MENTON • MURRAY • NASHLEY • MONROEVILLE • MONTPELIER • NAPOLEON • NEW BRYAN • NEW KNOXVILLE • NEWTON FALLS • NILES • OAK HARBOR • OREOPH • OHIO CITY • CLEVELAND
PARSONVILLE • PERRINVILLE • PIONEER • PULASKI • PLYMOUTH • PROSPECT • REPUBLIC • ST. CLAMENCE • ST. MARKS • REVILLE • SHELBY • SHILOH • SOUTH VESPA • SPENCERE
TIE CITY • VERMILION • WADSWORTH • WAPPAONEIA • WAYNESFIELD • WELLINGTON • WESTVILLE • WHARFON • WOODSIDE • WOODVILLE • YELLOW SPRINGS
PENNSYLVANIA: BERRY • BLAKELY • CALANHA • CLANCANON • EAST CONEMAUGH • ELWOOD CITY • FRANK • GROVE CITY • HARTSD • HOCKEYVILLE • KNOXDOWN
LANSDALE • LEBENHORN • LEWISBURG • LUCKYDOWN • MERRINGBURG • NEW WILMINGTON • OLYMPIAN • QUAKERSTOWN • ROYALTON • ST. CLARE • SQUIRREL HASTEN
SUNMERHILL • WILSONTOWN • WEATHERLY
MICHIGAN: CLARON • COLDWATER • DOYALAC • HILLDALE • MARSHALL • MUDON CITY • WYANDOTE
VIRGINIA: BEDFORD • DANVILLE • MARTINSVILLE • RICHMOND
WEST VIRGINIA: NEW MARTINSVILLE • RENOPI





Legend

-  Alternate Route
-  Preferred Route
-  Property Boundary

1,500 750 0 1,500
Feet

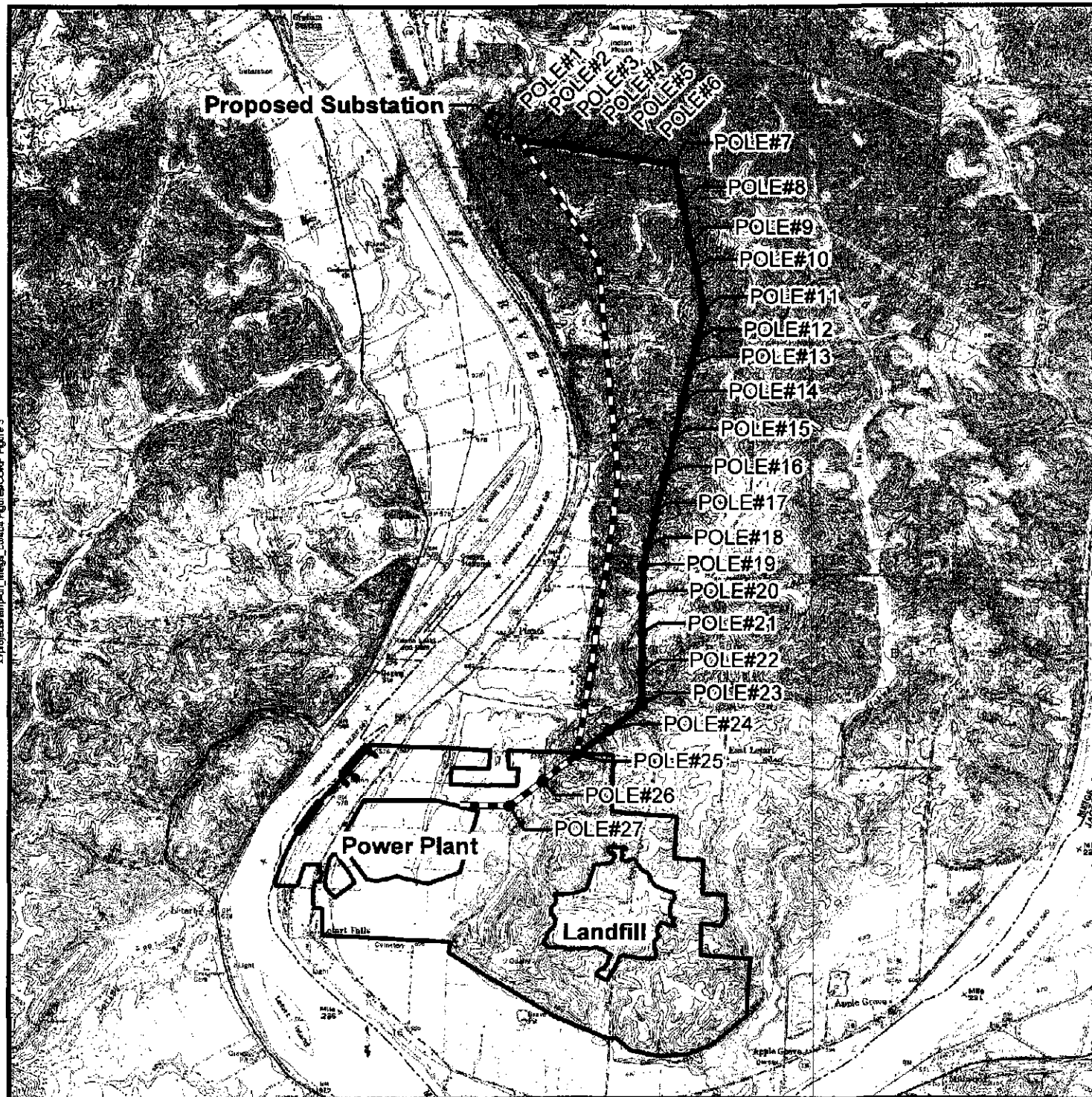
BASE MAP SOURCE:
USGS 7.5 minute quadrangle
New Haven, WV-OH (1968, photorevised 1987)

**American Municipal Power
Generating Station**

FIGURE 2
TRANSMISSION LINE INTERCONNECTION
AND FACILITY SWITCHYARD

JOB NO. 14946378





Legend

- Pole Location
- Alternate Route
- Preferred Route
- Site Features
- Property Boundary

2,500 1,250 0 2,500
Feet

BASE MAP SOURCE:
USGS 7.5 minute quadrangle
New Haven, WV-OH (1968, photorevised 1987)

**American Municipal Power
Generating Station**

FIGURE 3
TRANSMISSION LINE
SUMMARY MAP

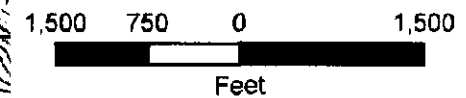
JOB NO. 14946376






Legend


- Alternate Route
- Preferred Route
- Existing Transmission Line



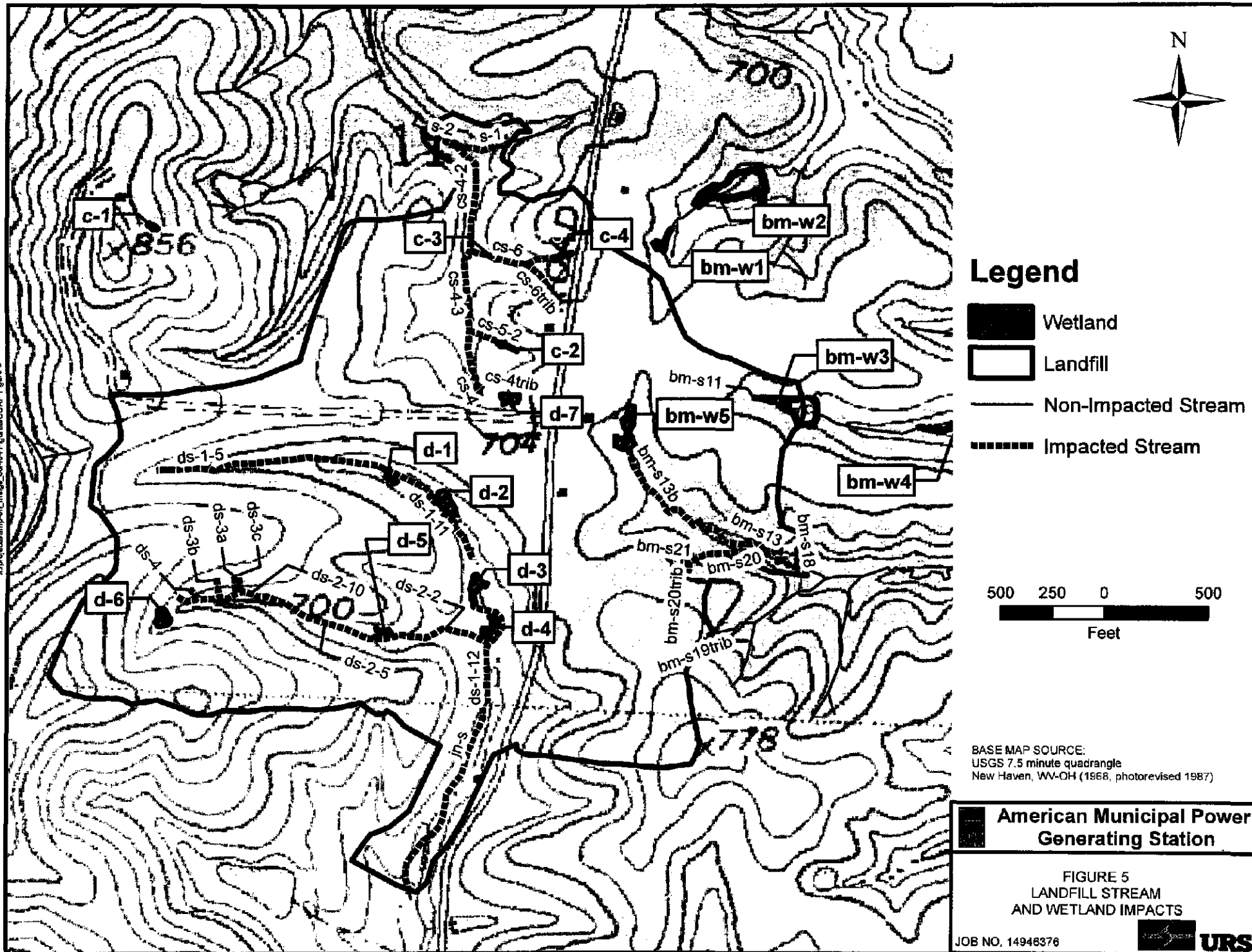
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USGS 7.5 minute quadrangle
New Haven, WV-OH (1968, photorevised 1987)

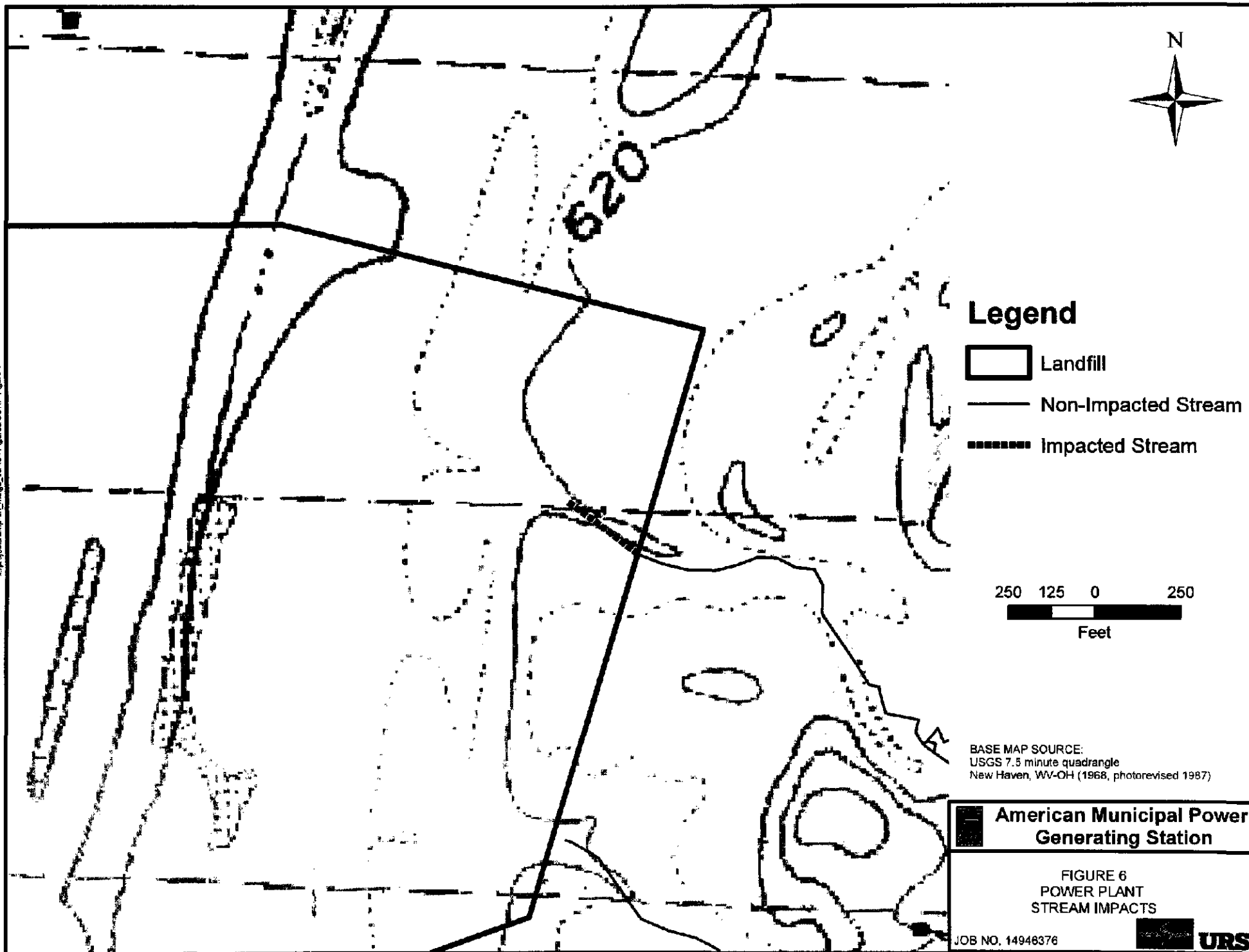
**American Municipal Power
Generating Station**

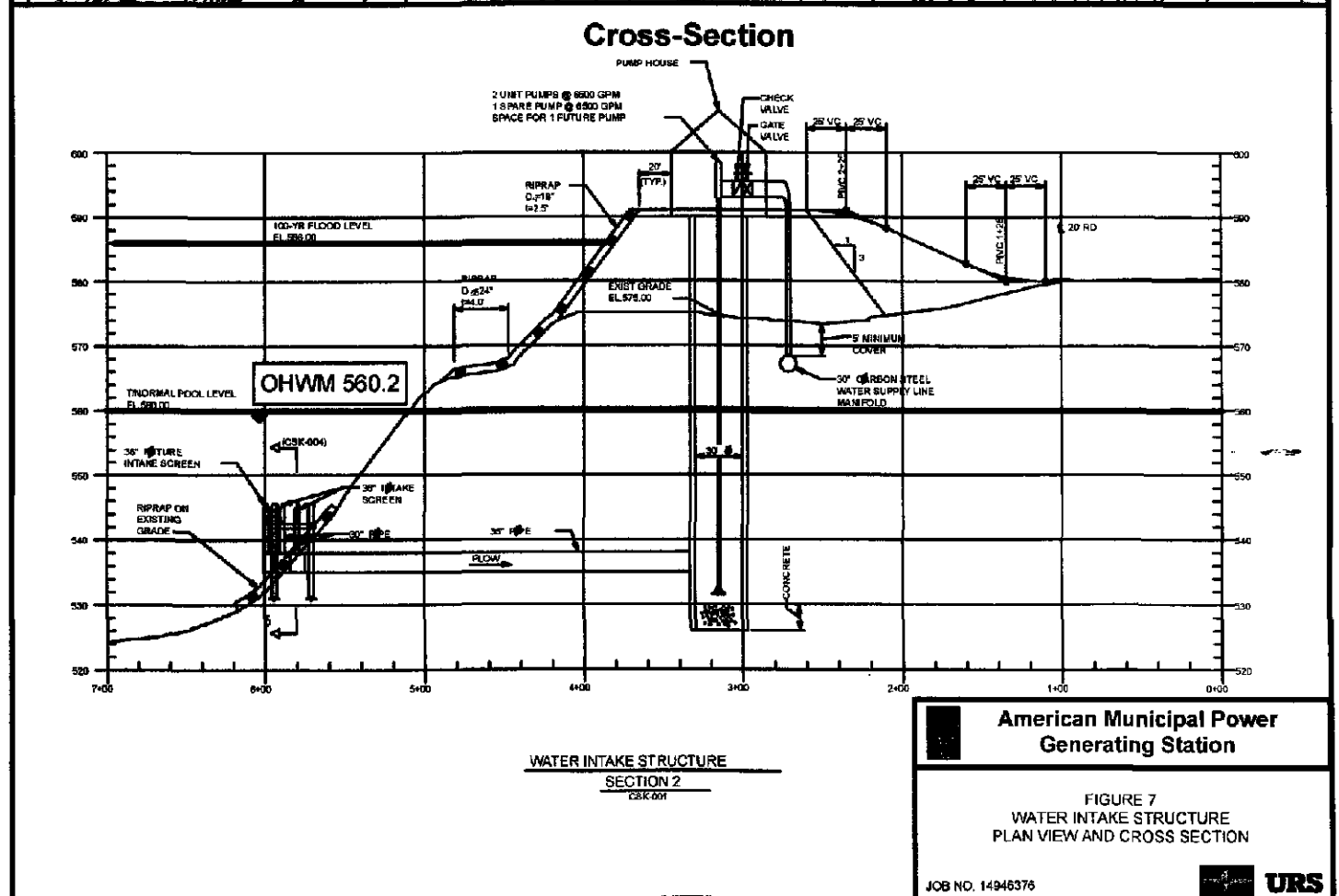
**FIGURE 4
TRANSMISSION LINE
AND SUBSTATION INTERCONNECTION**

JOB NO. 14946376**URS**

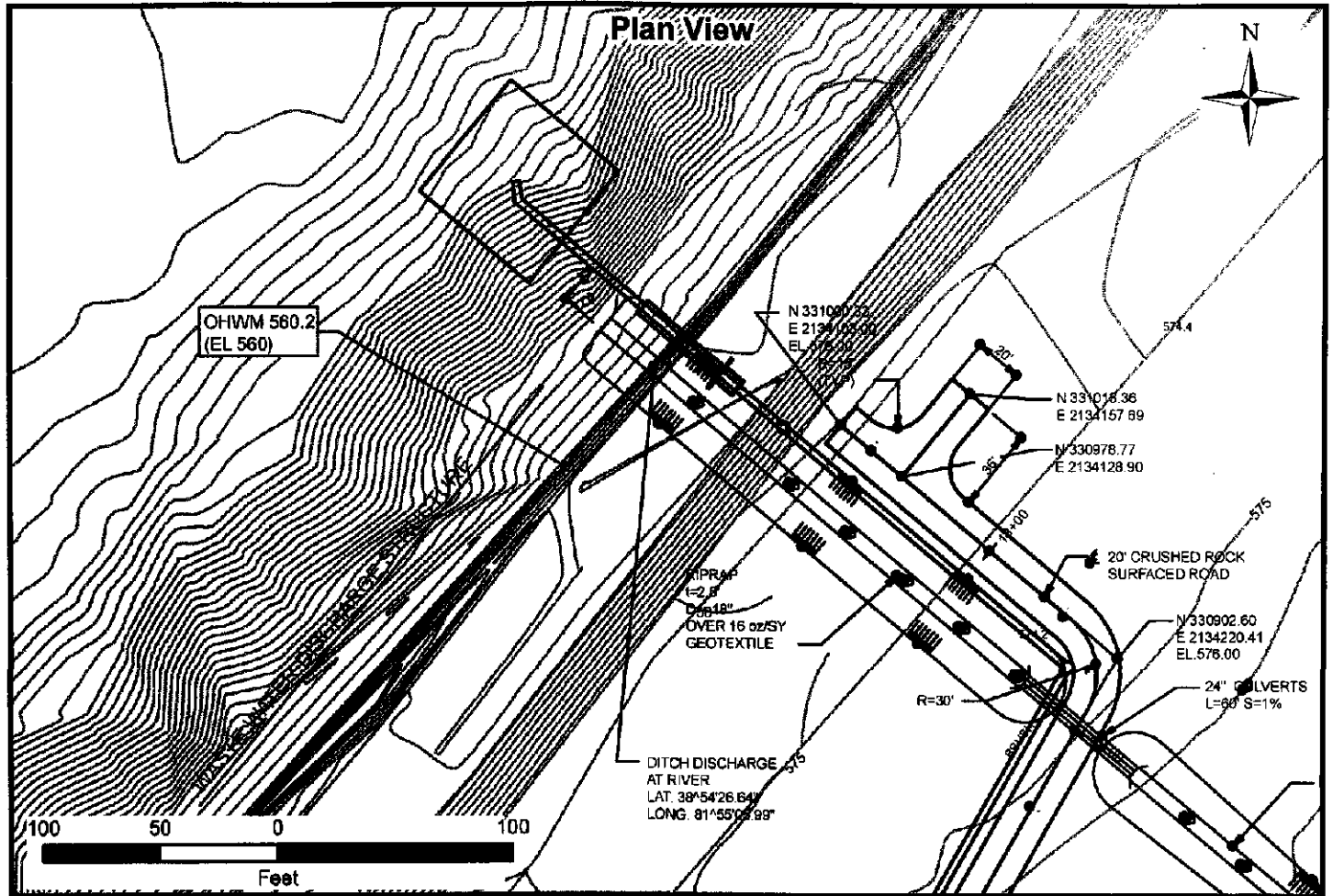
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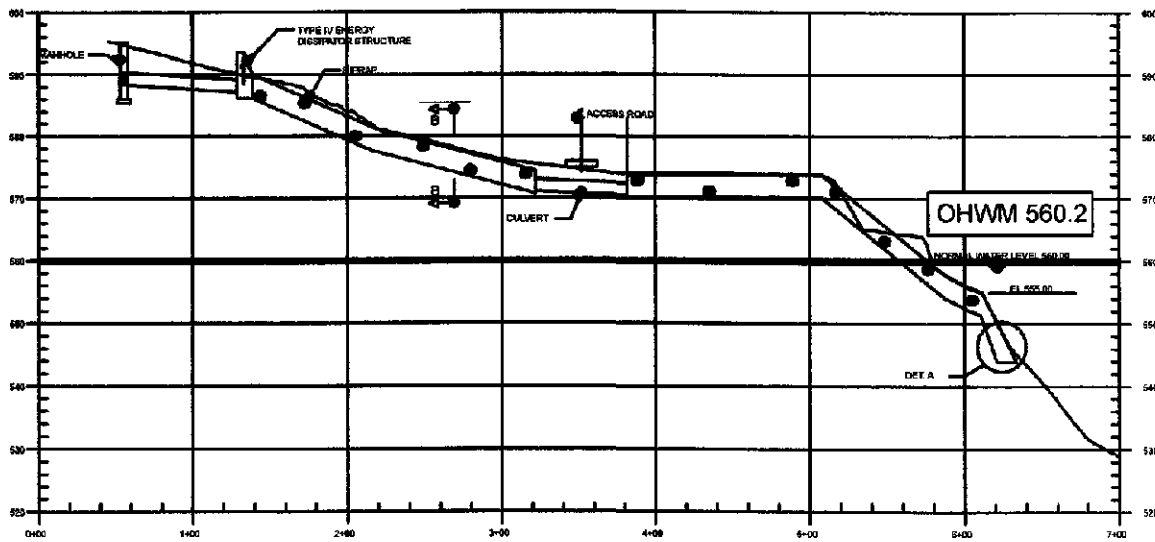





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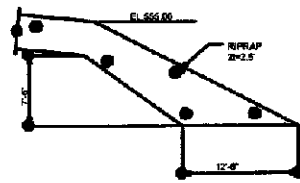


Cross-Section



WASTE WATER DISCHARGE STRUCTURE ALTERNATIVE

SECTION 3
DSF 302



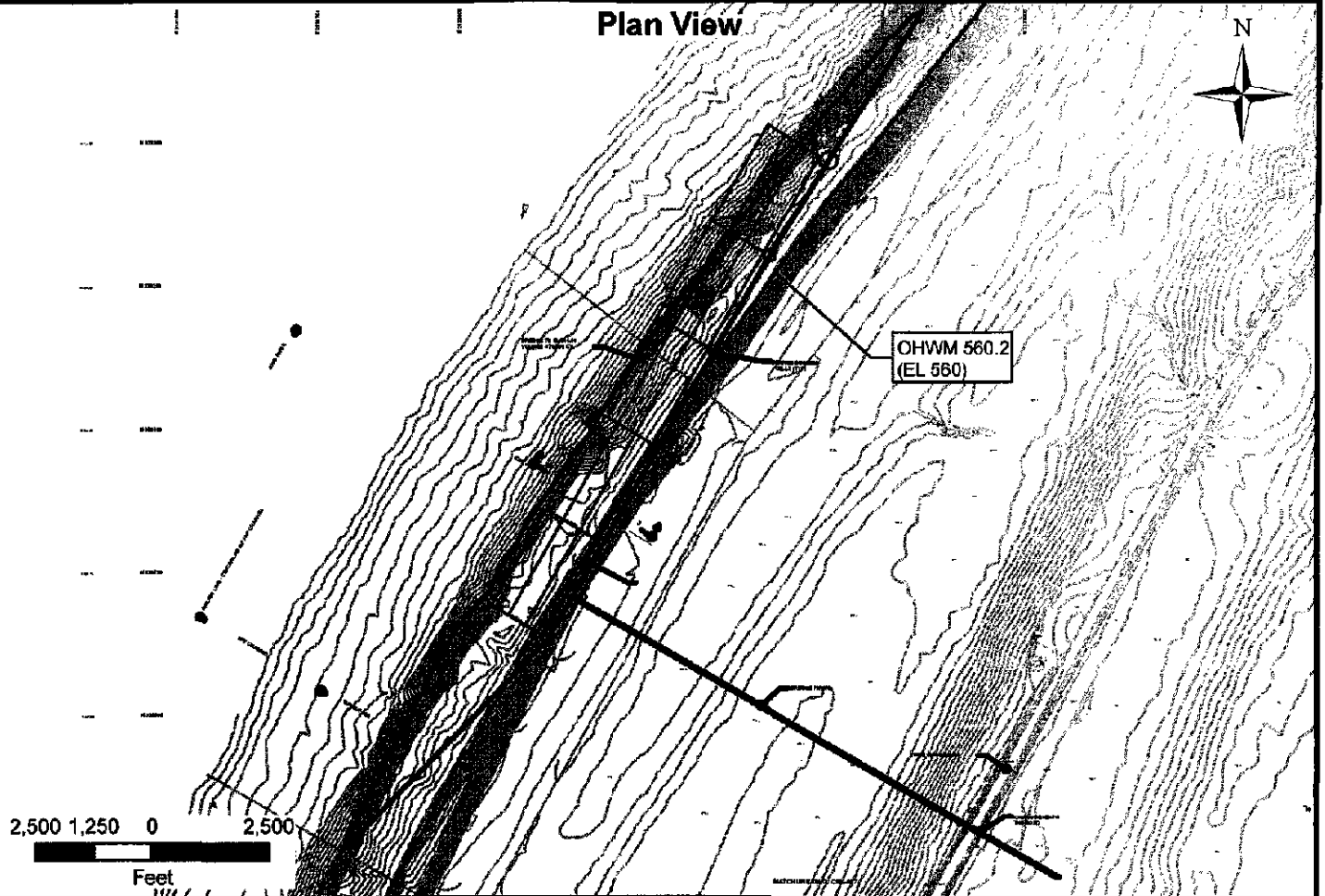
**American Municipal Power
Generating Station**

**FIGURE 9
WASTE WATER DISCHARGE
PLAN VIEW AND CROSS SECTION**

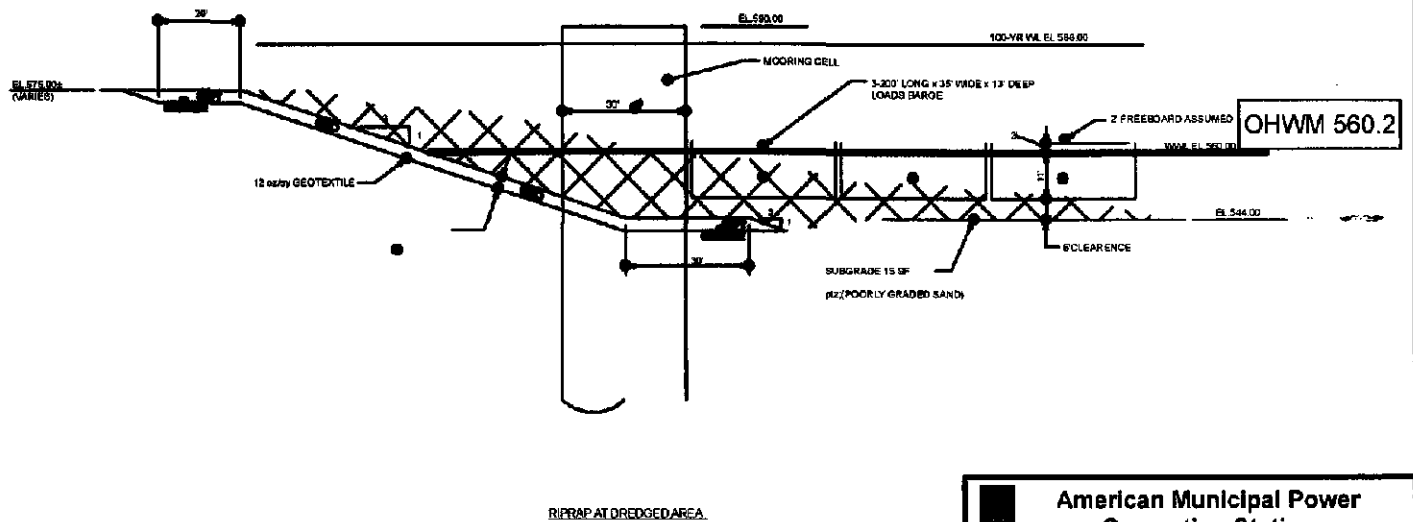
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Plan View



Cross-Section

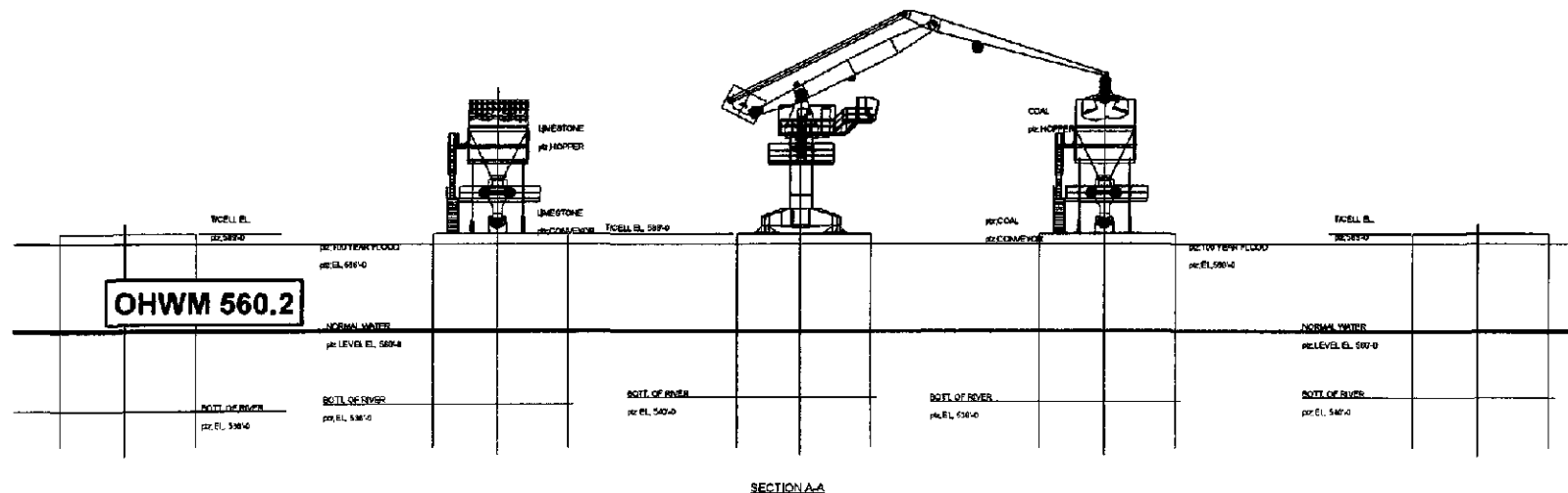
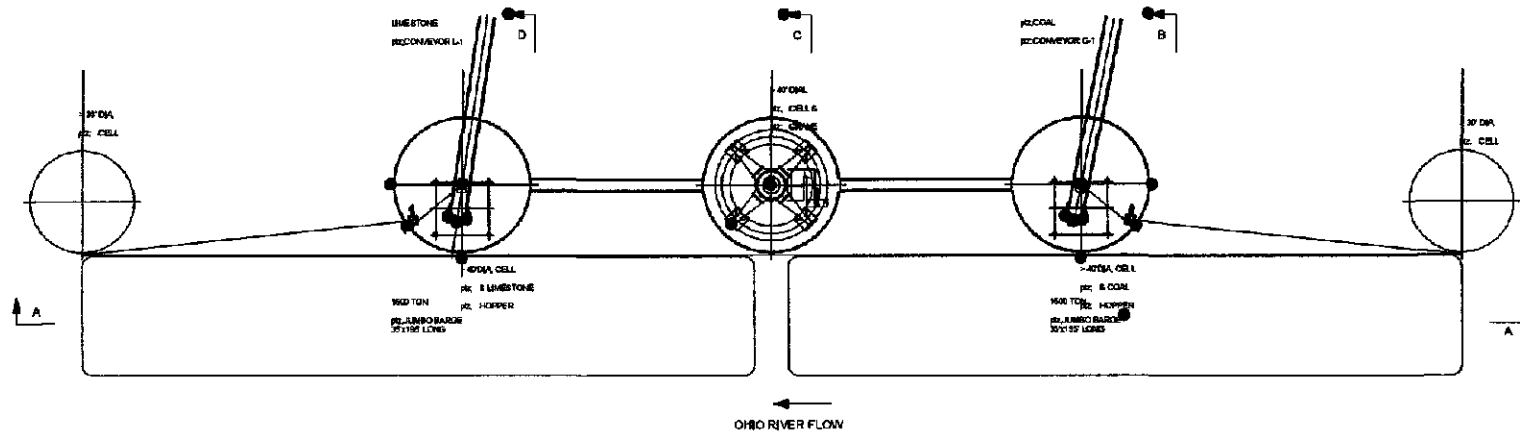


**American Municipal Power
Generating Station**

FIGURE 10
RIVER DREDGING
PLAN VIEW AND CROSS SECTION

JOB NO. 14946376





**American Municipal Power
Generating Station**

**FIGURE 11
BARGE UNLOADING
GENERAL ARRANGEMENT**

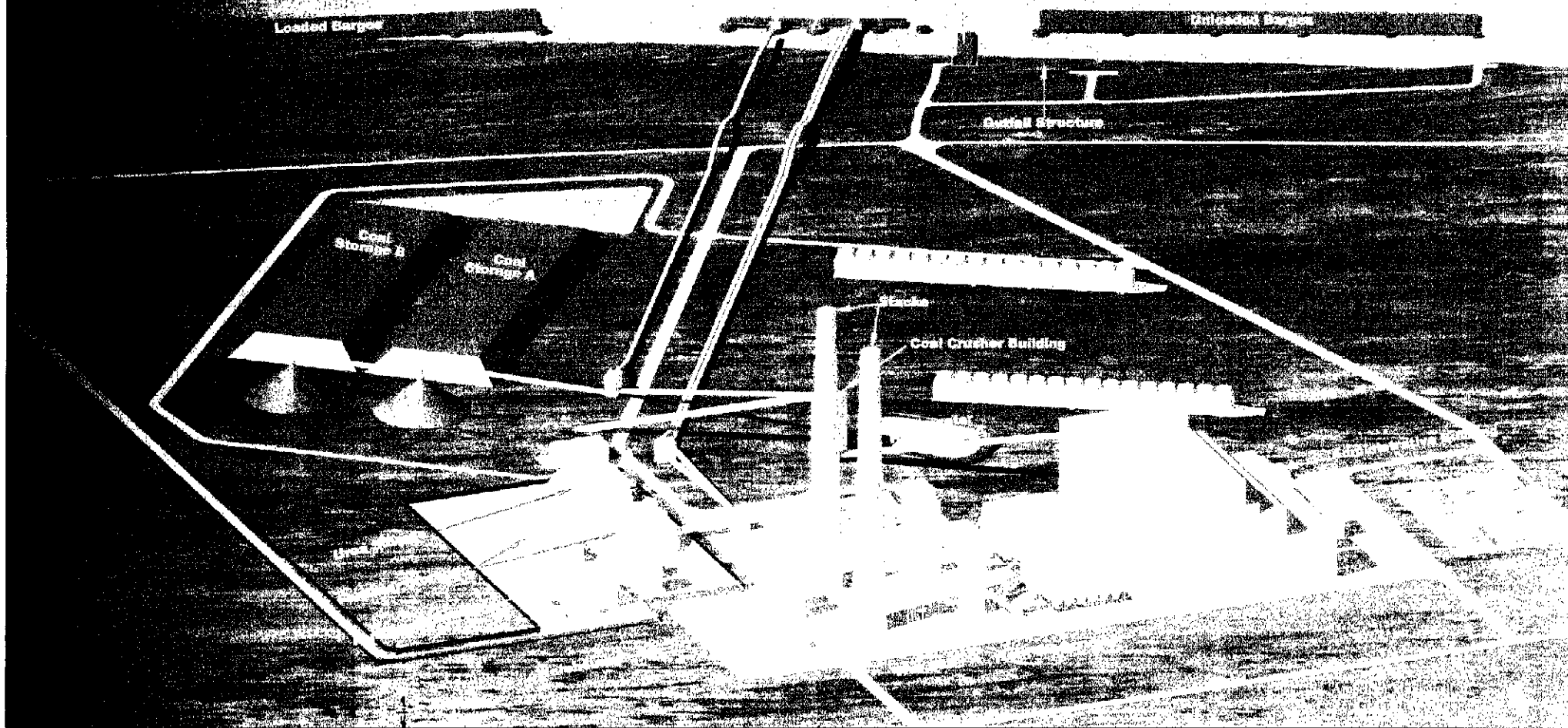
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Attachment C

AMERICAN MUNICIPAL POWER GENERATING STATION

Conceptual Rendering with Powerspan Process



Bottomland Hardwood Reforestation Plan

American Municipal Power-Ohio, Inc. ("Amp-Ohio") – American Municipal Power Generating Station ("AMPGS")

Meigs County, Ohio

Introduction

In May 2007 AMP-Ohio submitted a 401 Water Quality Certification, which contained a proposed wetland and stream mitigation plan. The majority of the impacts of the project are to the headwaters in the proposed landfill area within the upland area of the site. A barge dock, intake and outfall structures are proposed below the OHWM in the Ohio River. Some dredging will take place in the Ohio River Channel to allow barges to unload without interfering with navigation along the Ohio River sailing line.

The mitigation plan for this portion of the impact included provisions for planting riparian corridor along the river banks and installation of rip rap along the shoreline and around in-river structures to both stabilize the river bank and to provide increased aquatic spawning habitat (versus the silt dominated and eroding banks which exist now).

The 401 Section issued an incompleteness notice June 7th 2007, which stated that bank stabilization was not an acceptable method of mitigation for the proposed impacts to the Ohio River. The notice also recommended reviewing the Ohio River Ecosystem Restoration Document (2000) for suggested mitigation options/ideas.

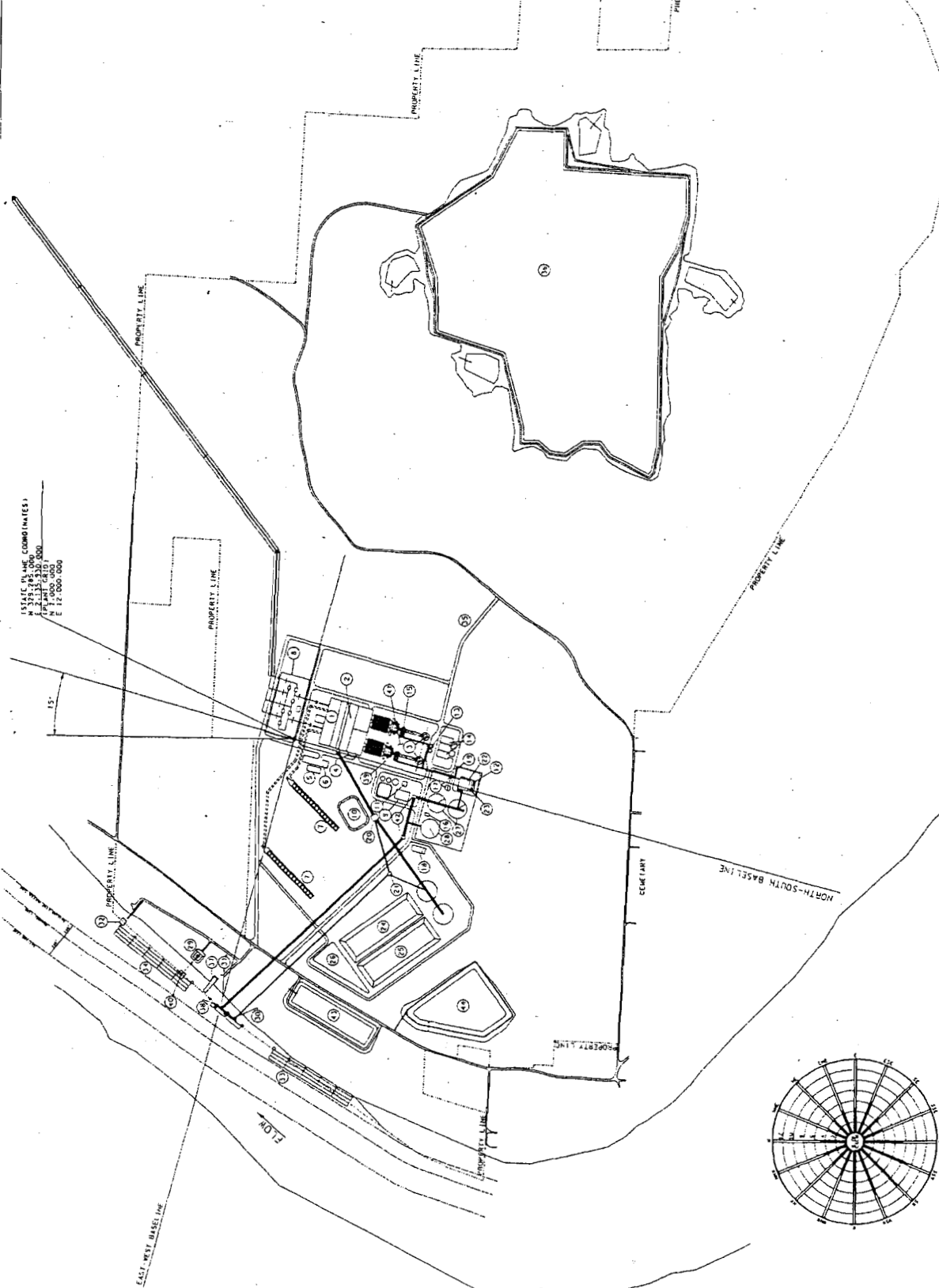
Review of this document indicates the main goals are to:

- Restore, enhance and protect wetland habitats along the Ohio River corridor;
- Restore, enhance and protect important terrestrial habitats adjacent to the Ohio River;
- Restore, enhance and protect aquatic habitats within the Ohio River.

In order to work towards these goals the document identified categories for the issues of greatest concern. These are:

- Riparian corridors,
- Islands,
- Floodplains,
- Bottomland hardwood forests,
- Forested wetlands
- Scrub shrub and emergent wetlands
- Backwaters
- Aquatic vegetation

LEGEND	
1	THINKING BUILDINGS
2	BOILER BUILDING
3	STATE
4	ADMINISTRATIVE BUILDING
5	ADMINISTRATIVE BUILDING
6	PARTING
7	COOLING TOWER
8	WATER TREATMENT FACILITY
9	WASTEWATER BUILDING POND
10	REF & B.V. TANK AND WATER HOUSE
11	ELECTRIC SUBSTATION
12	WATER HOUSE
13	SCHIMMER
14	COOLING TOWER TANKS
15	COOLING TOWER
16	COOLING TOWER PILE AND SHED
17	PIPE RACK
18	WATER HOUSE
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22	ADMINISTRATIVE BUILDING
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100	COOLING TOWER

[illegible]

Attachment D

- Sand/gravel bars
- Tail waters
- Pools
- Side channel/back channel habitats

Of these AMP-Ohio is limited by geography and geomorphology to only a few of these. Wetlands, backwaters, tail waters, pools and side/back channel habitats are not historic features of the site. There was a gravel bar at the mouth of Tupper Run (off site to the north). This was effectively obliterated by construction of the Racine Lock and Dam and restoration of it would likely interfere with navigation through the dam area. Restoration of this bar would require considerable volumes of material (perhaps from the proposed dredging supplemented as needed with gravel from the nearby Shelly materials quarries). There used to be two islands in the Ohio River main channel prior to current lock and dam construction. One of these has disappeared leaving only Letart Island. It is not considered practical, not is it the role of commercial operations to construct islands in the Ohio River. Construction of an island would require very careful study as it would impact both the natural resources in the river and navigation. Given these restrictions, the options for Ohio River restoration/mitigation available to Amp-Ohio are related to riparian corridors, bottomland hardwood forests and floodplains.

Chapter three of the Ecosystem Restoration document further expands on restoration opportunities and measures. The goal of "Opportunity 2" is:

"Restore riparian corridors, reduce fragmentation by expanding and joining isolated habitat blocks and stabilize eroding banks."

Based on the information in the referenced document and the conditions at the AMPGS site, AMP-Ohio is proposing to retain bank stabilization as a component of its Ohio River mitigation strategy, but will supplement it with establishment of a complementary bottomland hardwood forest as described below and in Figure 1 (Attached).

Bottomland Hardwood Mitigation

A portion of the mitigation strategy to offset headwater stream impacts is to establish approximately 15-20 acres of bottomland hardwood forest along the Ohio River (Figure 1). The exact configuration depends in some areas on engineering and clearance requirements for the conveyors and access points for the various barge and unloading facilities. While the geography may vary, the basic strategy and implementation will remain the same as described below. Where tree species would interfere with operations AMP-Ohio will assess the practicality of allowing managed shrub species to provide maximum cover for animal species and erosion control.

Approximately 2,000 linear feet of the Ohio River will be reforested to reduce nutrient loadings, sedimentation, and improve terrestrial and aquatic habitat. Ecological restoration principles and practices are the basis for enhancing the ecological functionality of the floodplain while improving the water quality of the river. Plant

Attachment E

species native to the local area will be planted to emulate naturally occurring ecological communities (Anderson 1992; Gordon 1969; Gordon 1966). Selection and planting of native plant species will reduce sediment runoff over pre-project levels and provide detritus for the aquatic food chain along with increasing shade to improve stream water temperature for aquatic wildlife. All plant species selected are native to Meigs County, Ohio and can be found in Bottomland Forests in Ohio.

The plant materials for the project include a diversity of size categories to provide extensive root establishment. A predominance of one, three, and five gallon woody containerized stock is proposed. The tree stock (3 and 5-gallon) consists of mid-canopy and overstory native trees planted at a density of 436 trees/acre. The shrub stock will consist of one-gallon containerized stock planted at a density of 1,000 shrubs/acre (Table 1). An herbaceous seed mix will also be applied to provide competition for undesirable species (Table 2). All trees and shrubs will be installed with a mechanized auger and guaranteed for one year after planting such that 75% of the total plants installed will survive. The backfill of each plant will be amended with an acrylamide copolymer gel to increase the water holding capacity of the soil.

There are several depression areas within the 20-acre restoration site. Although these areas are not wetlands they may hold water for sufficient duration in the spring to accommodate flood tolerant species. As a result, species such as swamp white oak, pin oak, and black gum, which can tolerate standing water for longer periods of time, may be planted in those areas (site inspection prior to planting will determine viability of planting depressional wet areas and the density of species types).

Table 1. Tree and Shrub Reforestation List ^a

Species	Latin Name	Growth Form	# to be Planted
Smooth Serviceberry	<i>Amelanchier laevis</i>	Shrub	2,000
Coralberry	<i>Symphoricarpos orbiculatus</i>	Shrub	2,000
Bladdernut	<i>Staphylea trifolia</i>	Shrub	2,000
Gray Dogwood	<i>Cornus racemosa</i>	Shrub	2,000
Witch Hazel	<i>Hamamelis virginiana</i>	Shrub	2,000
Hazelnut	<i>Corylus americana</i>	Shrub	2,000
Ninebark	<i>Physocarpus opulifolius</i>	Shrub	2,000
Spicebush	<i>Lindera benzoin</i>	Shrub	2,000
Nannyberry	<i>Viburnum lentago</i>	Shrub	2,000
Blackhaw Viburnum	<i>Viburnum prunifolium</i>	Shrub	2,000
		Shrub Total	20,000
Red Maple	<i>Acer rubrum</i>	Tree	726

Hornbeam	<i>Carpinus caroliniana</i>	Tree	726
Bitternut Hickory	<i>Carya cordiformis</i>	Tree	726
Shagbark Hickory	<i>Carya ovata</i>	Tree	726
Shellbark Hickory	<i>Carya laciniata</i>	Tree	726
White Oak	<i>Quercus alba</i>	Tree	726
Shumard Oak	<i>Quercus shumardii</i>	Tree	726
Redbud	<i>Cercis Canadensis</i>	Tree	726
Bur Oak	<i>Quercus macrocarpa</i>	Tree	726
Sweet Gum	<i>Liquidambar styraciflua</i>	Tree	726
Shingle Oak	<i>Quercus imbricaria</i>	Tree	726
Sycamore	<i>Platanus occidentalis</i>	Tree	726
		Tree Total	8,720

^a Choose a minimum of 10 tree and 8 shrub species. Quantity for individual tree species shall not exceed 872 without approval from the restoration ecologist. Quantity for individual shrub species shall not exceed 2500 without approval from the restoration ecologist. Substitutions may be made upon approval by the restoration ecologist. Pin oak, swamp white oak, and black gum densities within depressional areas to be determined by the restoration ecologist.

Table 2. Floodplain Seed Mix

Grasses and Sedges	Oz/acre
<i>Elymus riparius</i> (Riverbank Wild Rye)	16
<i>Elymus villosus</i> (Silky Wild Rye)	8
<i>Elymus virginicus</i> (Virginia Wild Rye)	64
<i>Hystrix patula</i> (Bottlebrush Grass)	8
Forbs	
<i>Aster novae-angliae</i> (New England Aster)	2
<i>Aster simplex</i> (Panicled Aster)	1
<i>Echinacea purpurea</i> (Purple Coneflower)	3
<i>Heliopsis helianthoides</i> (False Sunflower)	2

<i>Monarda fistulosa</i> (Bergamot)	1
<i>Penstemon calysosus</i> (Smooth Penstemon)	1
<i>Rudbeckia hirta</i> (Black-Eyed Susan)	3
<i>Silphium perfoliatum</i> (Cupplant)	2
<i>Solidago gigantea</i> (Late Goldenrod)	1

Implementation Details and Sequence

Site preparation: To minimize competition from aggressive plant species the reforestation area will be sprayed with herbicide (2% glyphosate) prior to planting. If necessary, the project area should be mowed to a height of 6 to 8 inches prior to spraying. To ensure successful eradication of aggressive species, spraying should be conducted during the growing season (April-October).

Seeding: All seed shall be true to genus and species. All seed packaging shall be tagged showing seed species, sources, and weights. The seed weights shall be based on pure live seed (pls) percentage for all species. Seed shall be shipped, stored and handled in a manner that will insure protection from damage and to maintain dormancy until planted.

Species substitutions shall be approved by the restoration ecologist.

The seed shall be applied with the broadcast method. Apply the seed uniformly over the surface using a cyclone or other similar seeding equipment, then press the seed into the surface using a cultipacker or roller. Seed must be placed no deeper than ¼ inch in the soil. No fertilizers or soil conditioners will be required or allowed.

Seeding shall be conducted prior to tree and shrub installation and between the months of April-June or September-November.

Tree and Shrub Materials: Trees and shrubs must be true to species. Cultivars and hybrids are not acceptable. Materials must arrive in a healthy, viable state and be stored properly to maintain sufficient root moisture. All trees and shrubs shall be in containers grown with air-root pruned technique or equivalent. Woody plants shall exhibit a fully developed fibrous root system that allows the root ball to remain intact after removal from the container. Roots shall not be pot-bound or spiraling in the container. Trees shall be a minimum size of 3-gallon container and 4 ft-6 ft in height. Shrubs shall be a minimum size of 1-gallon container and 2ft-3 ft in height.

Tree and Shrub Installation: All trees and shrubs will be installed with a mechanized auger. They shall be installed in same species groups of three or five in a random manner

to simulate natural conditions. Tree and shrub installation shall occur between the months of April and June or October and December.

Tree Protector Installation: Vented translucent tree protectors (Tree-Pro® shelters or equivalent) with wood stakes will be secured around each tree at the time of planting. Tree protectors shall be a minimum of 48 inches high and are installed as an herbivory prevention measure.

Monitoring

Monitoring efforts are implemented to assess the development of the restored area. The goal for the bottomland hardwood reforestation plan is the presence of 300 trees/shrubs per acre (including volunteers) greater than 12 inches tall within the reforestation area. A failure to meet this goal will result in the need for replanting. In order to be considered successful and released from monitoring, the bottomland hardwood reforestation area must achieve the goal of 300 trees/shrubs per acre for two consecutive years, after initial installation, within a five year period. Permanent plots will be randomly established within the reforestation area to conduct mortality counts in the summer/fall.

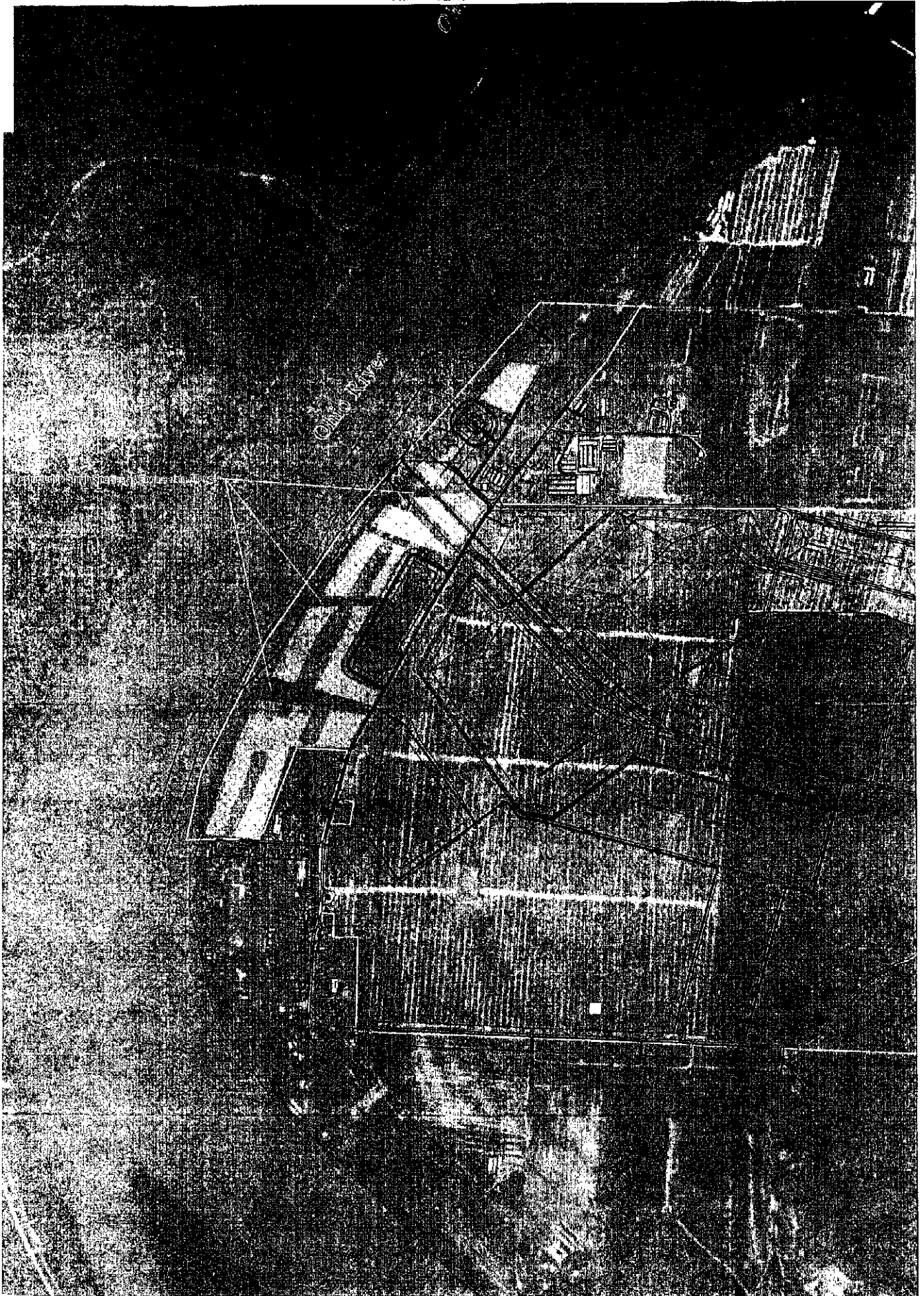
Literature Cited

Anderson, D. M. 1992. The vegetation of Ohio: two centuries of change. Unpublished manuscript. 3637 pp. [Http://www.ohiobiologicalsurvey.org](http://www.ohiobiologicalsurvey.org).

Gordon, R. B. 1966. Natural vegetation map of Ohio at the time of the earliest land surveys. Columbus (OH): Ohio Biological Survey. Map.

Gordon, R. B. 1969. The natural vegetation of Ohio in pioneer days. Ohio Biological Survey Bulletin 3(2):1-113.

DRAFT



U.S. E.P.A.

Bottomland Reforestation Area (20 ac)

Bottomland Hardwood

Depressional Areas to be Planted with Flood-Tolerant Plant Species

Plant Layout

0 300 600

Scale in Feet

DRAFT



American Municipal Power
Generating Station

BOTTOMLAND
REFORESTATION PLAN

URS

Attachment F

Supplemental Floodplain and Floodway Information for the AMPGS Project

Project design and permitting at the AMPGS site has matured to the extent that AMP-Ohio is able to provide additional detail concerning which structures will be located within the floodplain and floodway at the site. In addition, approximate calculations have been made to determine the material balance with respect to the floodway. This approximate material balance indicates that more material is to be removed from the floodway than is proposed to be added.

The floodway at the AMPGS site was determined from review of available FIRM maps produced by FEMA. An electronic copy of the relevant section of the FIRM Map (named a FIRMette by FEMA) is attached to this letter. In addition URS contacted ODNR for the relevant GIS shape files. Unlike the 100-year floodplain, the floodway does not follow a topographic elevation contour. Instead, it follows a line determined from flood modeling. At the site this line varies between the 560 and 565 foot elevation contour. Facilities below this floodway boundary are:

- Three of the six mooring structures for the upstream full barge mooring facility
- Six of the six structures for the downstream empty barge mooring facility
- Six barge unloading cells
- A small portion of the water intake fill pad for the pump house
- The water intake structure
- Water discharge structure
- Rip-rap fill along the shoreline

Material to be removed from within the floodway includes dredge material from the barge unloading area (to allow the barges sufficient clearance from the Ohio River sailing line), a trench for installation of the water discharge channel, and a portion of the river bank to allow heavy equipment to be unloaded during construction.

Initial estimates indicate the volume of material to be removed is significantly greater than the volume to be added:

Project Element	Estimated Cut(cubic yards)	Estimated Fill(cubic yards)	Net Cut(-)/Fill(+)(cubic yards)
Barge Area Dredging	66,920	2,500	-64,420
Water Intake	0	1,150	+1,150
Equipment Barge Dock	3,200	1,850	-1,350
Wastewater Outfall Ditch	500	280	-220
Barge Dock Structures	0	<20,000	+20,000
Approximate Material Balance			-44,840

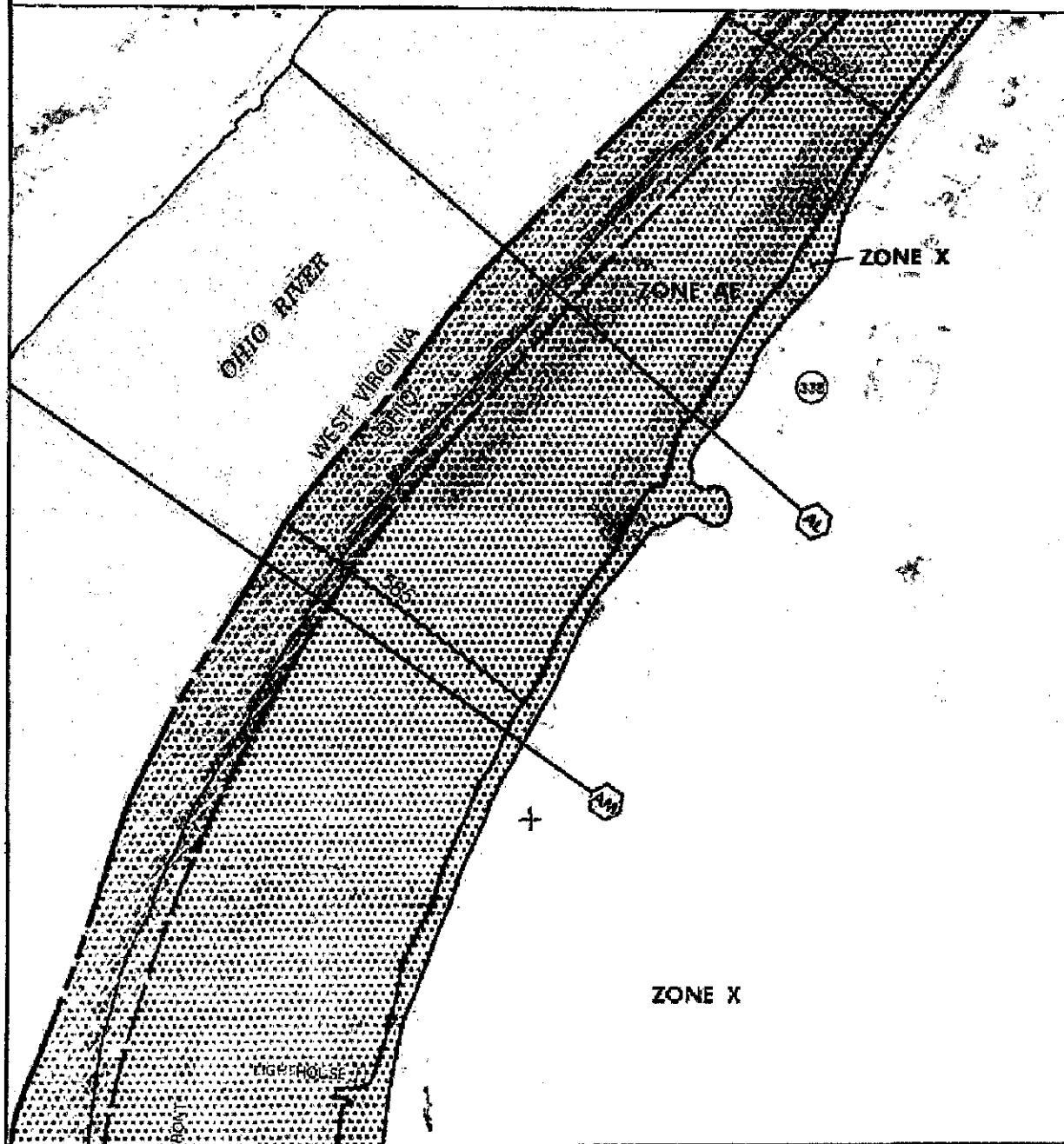
Therefore in terms of material balance there is not anticipated to be an adverse impact to the "still water" level of the Ohio River.

AMP-Ohio and its consultants have begun to assess the potential impacts of these structures to the flow and upstream flood level in the Ohio River. As an initial step, AMP-Ohio provided the ODNR with detailed drawings of the in-river facilities, has requested and received guidelines for a simplified impact assessment and has requested the original hydrologic modeling data for this reach of the Ohio River (i.e. the data that was used to come up with the current floodway and floodplain elevations).

If the more simple screening level study and consultation with the ODNR determines there may be a potential to raise the flood level along this portion of the river, the hydrologic modeling will be performed. The results of the model will be used to determine whether any additional excavation, reconfiguration of the shape of the river bank and in river facilities will be necessary.

As with the ongoing ecological studies and cultural resource surveys AMP-Ohio has identified the issues to be addressed and will provide data to and consult with the OPSB Staff and the ODNR to close the issue.

JOINS PANEL 0341



National Flood Insurance Program at 1-800-638-6620.



MAP SCALE 1" = 500'



PANEL 0343 C

FIRM
FLOOD INSURANCE RATE MAP
MEIGS COUNTY,
OHIO
AND INCORPORATED AREAS

PANEL 343 OF 367

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
MEIGS COUNTY	39105	0343	C

Notice to User: The map number shown below should be used when placing new orders; the Community Number shown above should be used on insurance applications for the subject community.



MAP NUMBER
39105C0343C

EFFECTIVE DATE
SEPTEMBER 18, 2002

Federal Emergency Management Agency

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