

**SOUTH ASH POND LINER REPLACEMENT
WILL COUNTY GENERATING STATION
MIDWEST GENERATION
ROMEIOVILLE, WILL COUNTY, ILLINOIS**

LIST OF DRAWINGS

SHEET NO.	TITLE	DRAWING NO.
T1	TITLE SHEET	D100001-01
D010	EXISTING CONDITIONS	D100020-02
C020	LINER EROSION PREPARATION	D100020-03
D030	WAINING LAYER PLAN	D100020-04
C031	DETAILS AND SECTION	D100021-03



PREPARED FOR:
MIDWEST GENERATION, LLC
528 E. 135TH STREET
ROMEIOVILLE, IL 60446

TITLE SHEET

SOUTH ASH POND LINER REPLACEMENT
WILL COUNTY GENERATING STATION
ROMEIOVILLE, ILLINOIS

DATE: AUGUST 2009

PROJECT NO. MWG13-15-29100

SCALE: AS SHOWN

DESIGNED BY: []

CHECKED BY: []

APPROVED BY: []

DATE: []

PROJECT: []

CLIENT: []

CONTRACT NO.: []

PROJECT NO.: []

SHEET NO.: []

TOTAL SHEETS: []

PROJECT MANAGER: []

PROJECT ENGINEER: []

PROJECT SUPERVISOR: []

PROJECT ASSISTANT: []

PROJECT OFFICE: []

PROJECT ADDRESS: []

PROJECT PHONE: []

PROJECT FAX: []

PROJECT E-MAIL: []

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PROJECT CONTACT WEBSITE: []

PROJECT CONTACT ADDRESS: []

PROJECT CONTACT CITY: []

PROJECT CONTACT STATE: []

PROJECT CONTACT ZIP: []

PROJECT CONTACT COUNTRY: []

PROJECT CONTACT LANGUAGE: []

PROJECT CONTACT CURRENCY: []

PROJECT CONTACT TIMEZONE: []

PROJECT CONTACT COUNTRY CODE: []

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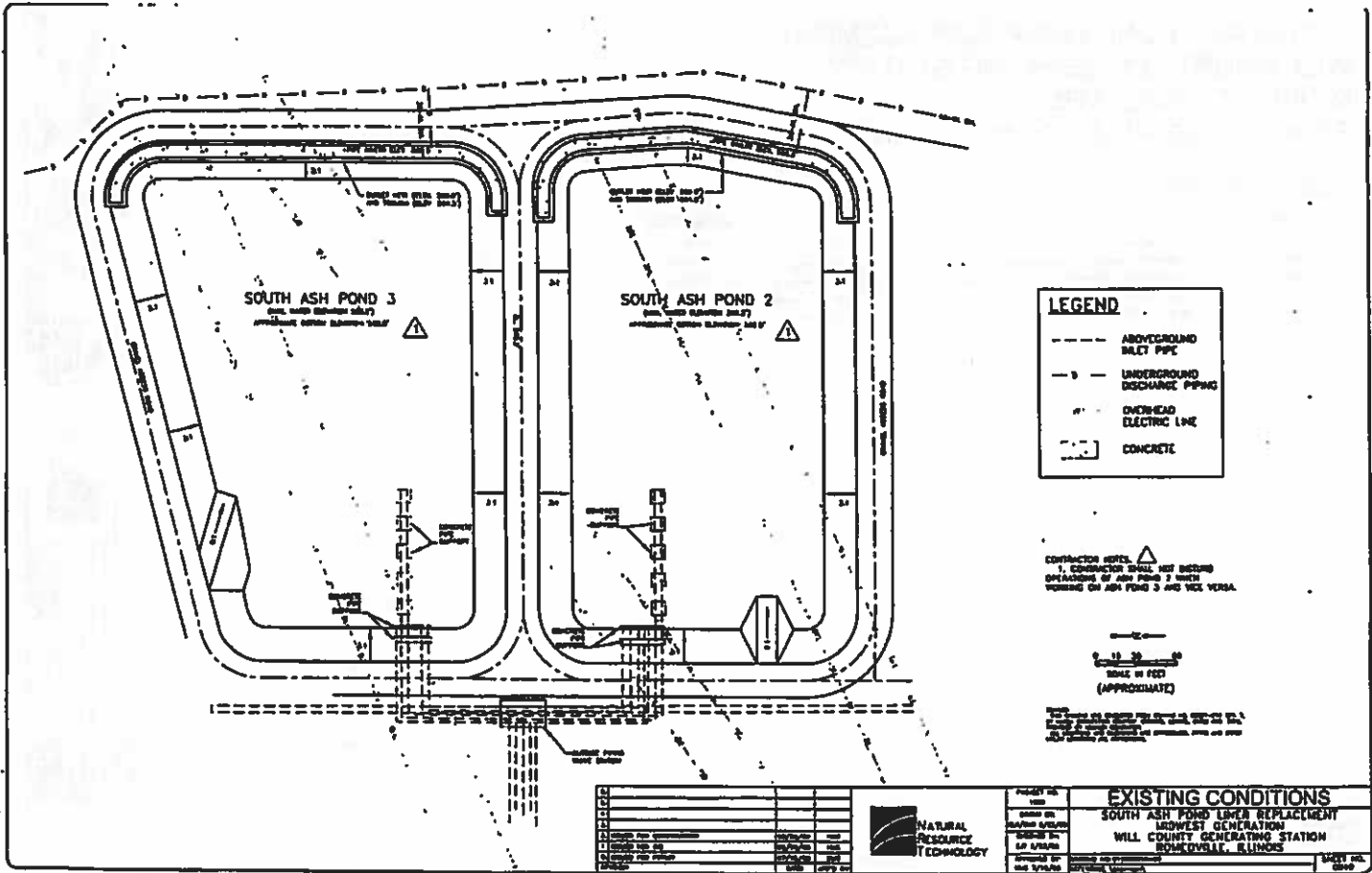
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PROJECT CONTACT ADDRESS LINE 100: []

MWG13-15_29100

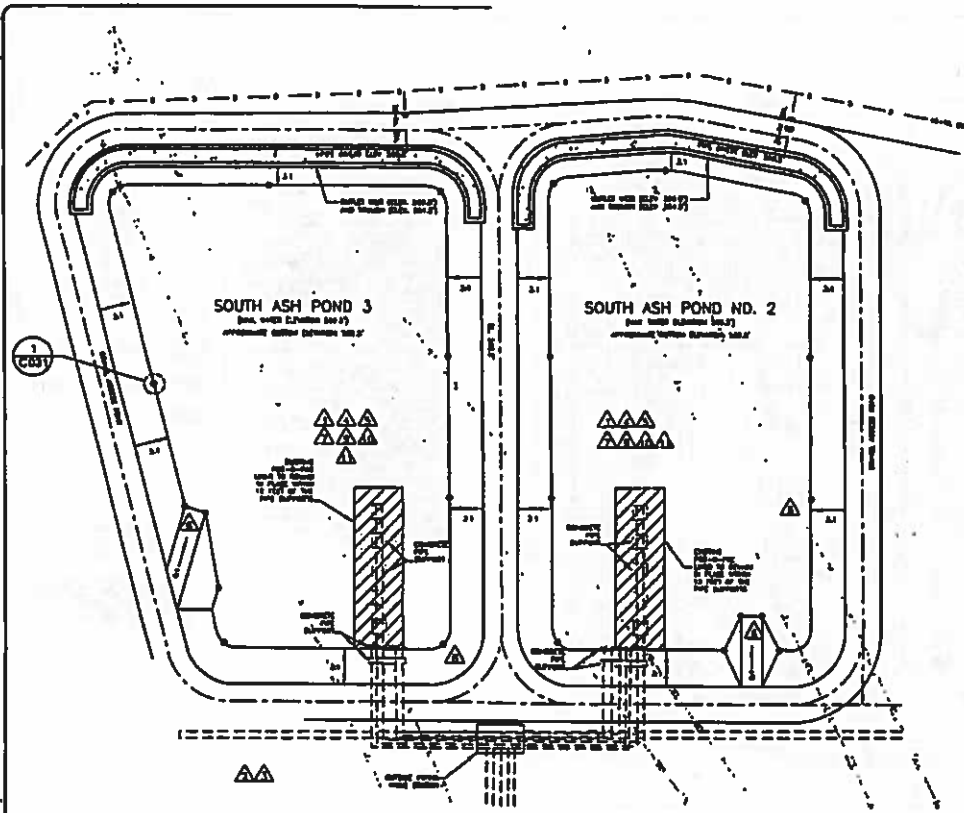
EXHIBIT
MWG-505



MWG13-15_29101

LEGEND	
---	ABOVEGROUND PILET PIPE
---	UNDERGROUND DISCHARGE PIPING
---	OVERHEAD ELECTRIC LINE
●	MARKER POST LOCATION
□	CONCRETE
■	HWEST GENERATION, LLC

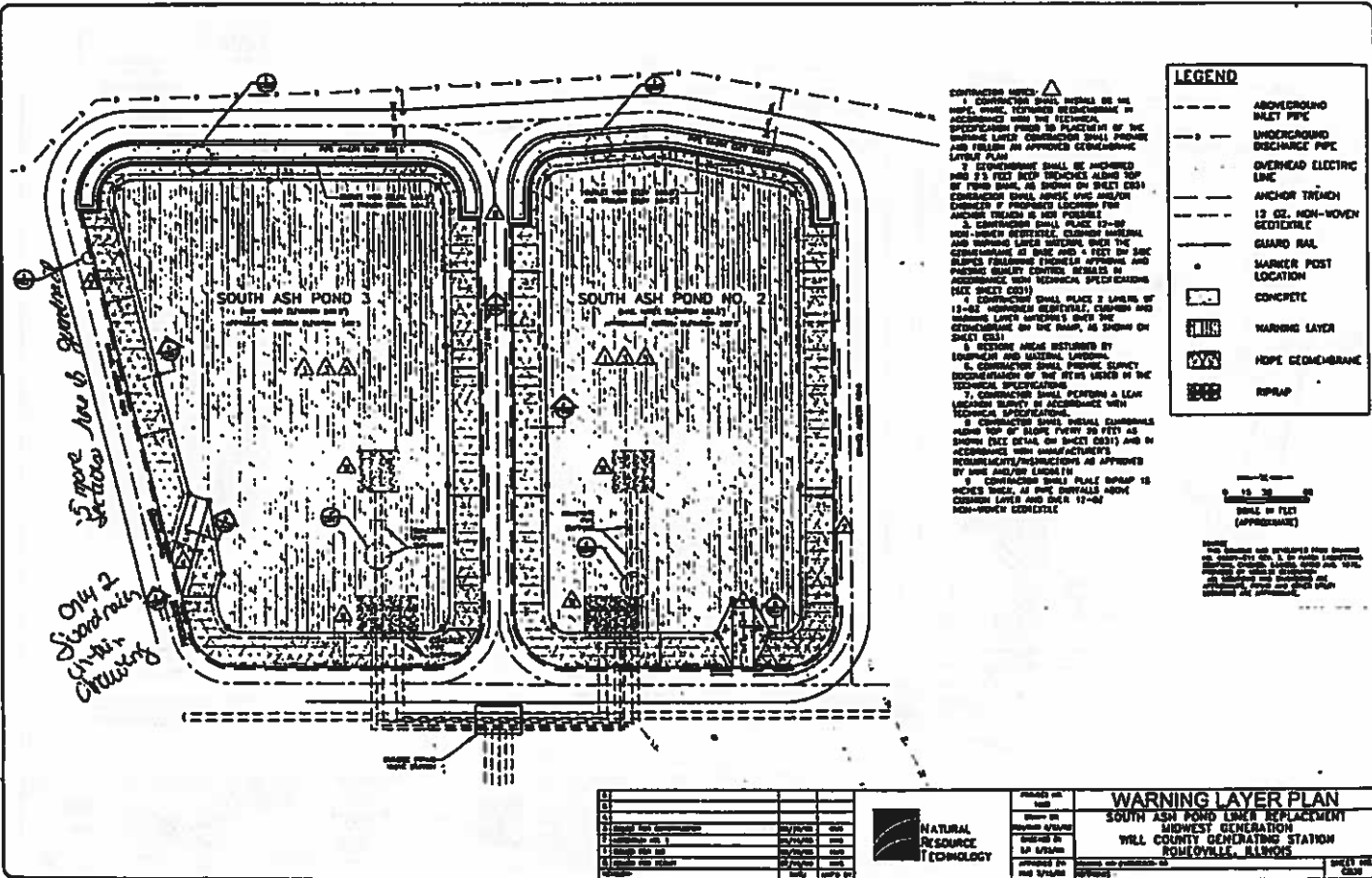
1. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND LOCATIONS OF ALL EXISTING AND PROPOSED STRUCTURES AND UTILITIES TO BE MAINTAINED OR REMOVED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL APPLICABLE AGENCIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL APPLICABLE AGENCIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL APPLICABLE AGENCIES.



NO.	DESCRIPTION	DATE	BY
1	ISSUED FOR PERMITS	10/15/10	JLW
2	ISSUED FOR PERMITS	10/15/10	JLW
3	ISSUED FOR PERMITS	10/15/10	JLW
4	ISSUED FOR PERMITS	10/15/10	JLW
5	ISSUED FOR PERMITS	10/15/10	JLW

	PROJECT NO.	LINER SUBGRADE PREPARATION
	OWNER	SOUTH ASH POND LINER REPLACEMENT
	DESIGNED BY	HWEST GENERATION
	CONTRACT NO.	WILL COUNTY GENERATING STATION
	PROJECT LOCATION	ROMEOVILLE, ILLINOIS
	DATE	10/15/10
	SHEET NO.	001

MWG13-15_29102



CONTRACTOR NOTES:

- CONTRACTOR SHALL INSTALL 18 IN. HDPE, 100% TIGHTNESS GEOMEMBRANE IN ACCORDANCE WITH THE TECHNICAL SPECIFICATIONS PRIOR TO PLACEMENT OF THE WARNING LAYER. CONTRACTOR SHALL PROTECT AND FILL-IN AN APPROVED GEOMEMBRANE LAYOUT PLAN.
- GEOMEMBRANE SHALL BE ANCHORED AND 3" FEET DEEP TRENCHES ALONG TOP OF POND SHALL, AS SHOWN ON SHEET C031. CONTRACTOR SHALL ANCHOR OVER AROUND EXISTING IF PROPOSED LOCATION FOR ANCHOR TRENCH IS NOT POSSIBLE.
- CONTRACTOR SHALL PLACE 12-16 NON-WOVEN GEOTEXTILE, CLOSED MATERIAL AND WARNING LAYER INTERIOR OVER THE GEOMEMBRANE AT ONE AND A FEET BY ONE SLOPED FOLLOWING EXISTING APPROVAL AND PROTECT EXISTING EXPOSED DETAILS IN ACCORDANCE WITH TECHNICAL SPECIFICATIONS (SEE SHEET C031).
- CONTRACTOR SHALL PLACE 2 LAYERS OF 12-16 NON-WOVEN GEOTEXTILE, CLOSED AND WARNING LAYER INTERIOR OVER THE GEOMEMBRANE OF THE POND, AS SHOWN ON SHEET C031.
- SECTIONS AREAS RESTORED BY EQUIPMENT AND NATURAL LAYDOWN.
- CONTRACTOR SHALL PROVIDE SLOPEY RECONSTRUCTION OF THE AREAS LOST IN THE TECHNICAL SPECIFICATIONS.
- CONTRACTOR SHALL PROVIDE A LEAK DETECTION SYSTEM IN ACCORDANCE WITH TECHNICAL SPECIFICATIONS.
- CONTRACTOR SHALL INSTALL GEOMEMBRANE ALONG TOP OF DAMS EVERY 20 FEET AS SHOWN (SEE DETAIL ON SHEET C031) AND IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS/INSTRUCTIONS AS APPROVED BY AWE AND/OR EROSION.
- CONTRACTOR SHALL PLACE BRAP 18 INCHES THICK AT THE DRYWALLS ABOVE COMMON LAYER AND OVER 12-16 NON-WOVEN GEOTEXTILE.

LEGEND

- ABOVEGROUND DAILEY PIPE
- UNDERGROUND DISCHARGE PIPE
- OVERHEAD ELECTRIC LINE
- ANCHOR TRENCH
- 12 OZ. NON-WOVEN GEOTEXTILE
- GUARD RAIL
- MARKER POST LOCATION
- CONCRETE
- WARNING LAYER
- HDPE GEOMEMBRANE
- BRAP

SCALE IN FEET (APPROXIMATE)

0 15 30 45

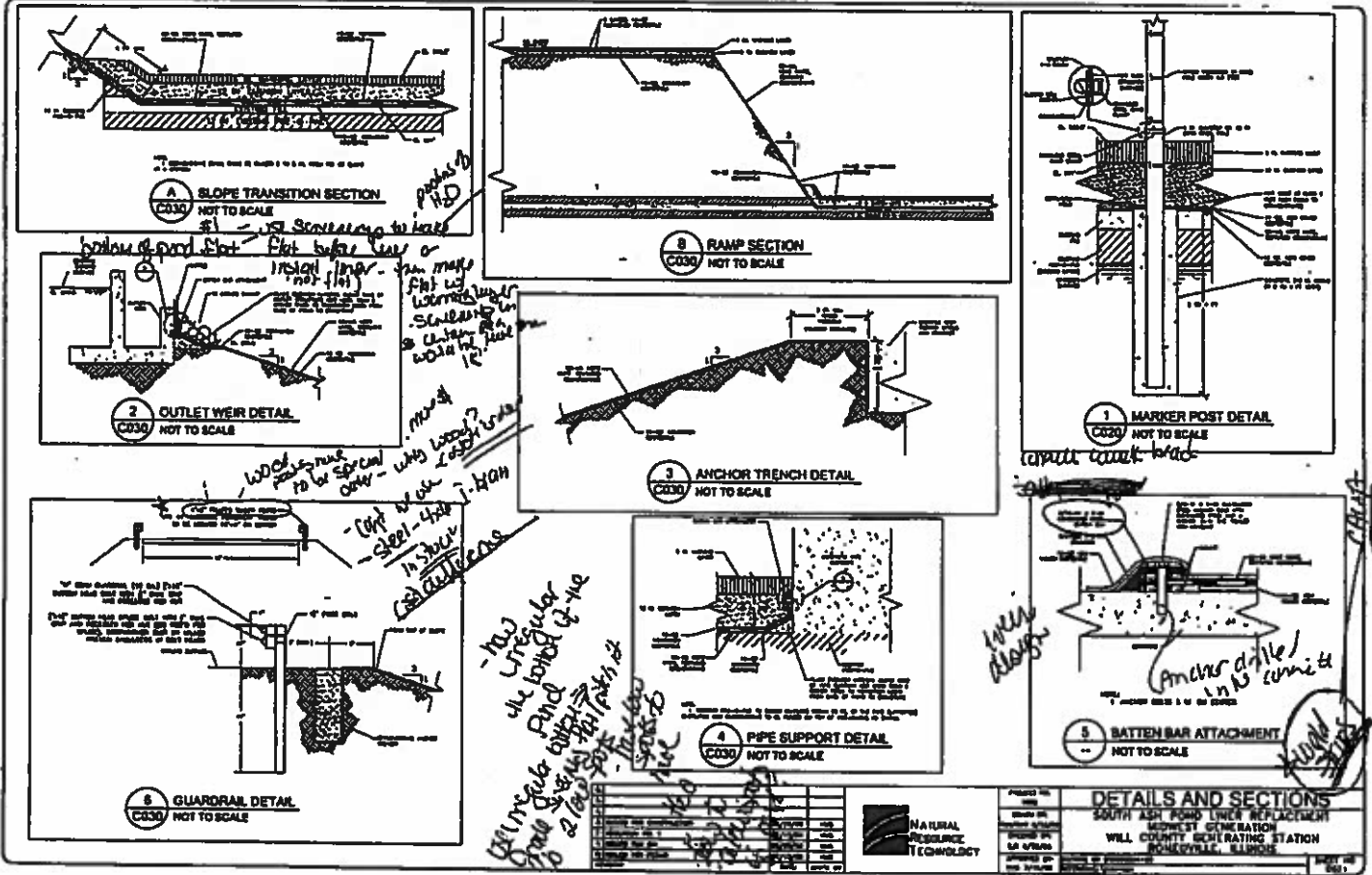
NOTES:

THIS DRAWING AND SPECIFICATIONS SHALL BE SUBJECT TO CHANGE WITHOUT NOTICE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.

NO.	DESCRIPTION	DATE	BY	CHECKED BY
1	DESIGN AND CONSTRUCTION	01/15/2015	MS	MS
2	REVISION NO. 1	01/15/2015	MS	MS
3	REVISION NO. 2	01/15/2015	MS	MS
4	REVISION NO. 3	01/15/2015	MS	MS



WARNING LAYER PLAN
 SOUTH ASH POND LINER REPLACEMENT
 MIDWEST GENERATION
 WILL COUNTY GENERATING STATION
 BONEVILLE, ALABAMA





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