

# Albany Pine Bush Landfill

## Albany, New York

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### NOTES

#### GENERAL:

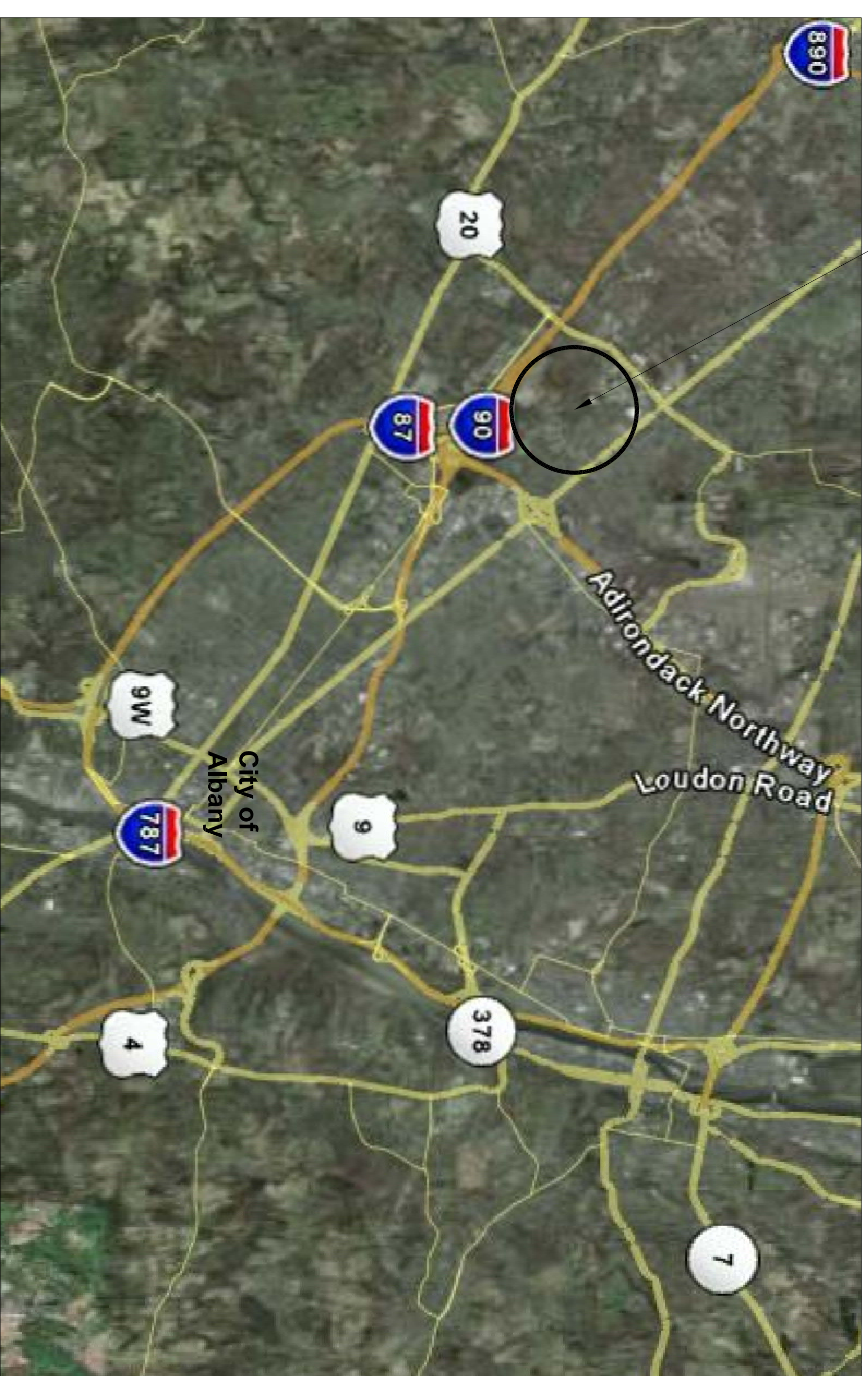
- Existing topography and mapping developed by XXX. Actual topography at time of construction is anticipated to vary slightly from that shown.
- Elevations shown on this drawing are based on the U.S.G.S. vertical datum of XXX.
- Delimited wetlands shown here are as depicted in XXX.
- Information on these plans shall be used in conjunction with specifications titled, "Specifications for XXX", dated XXX.
- The CONTRACTOR shall not enter private property unless authorized by OWNER.
- All quantities are Landscape Architects estimates. These quantities are not to be taken as defining or limit the amount of work to be done under the contract. The CONTRACTOR is responsible for his or her own estimates. All discrepancies are to be reported to the Landscape Architect's office immediately.
- The CONTRACTOR shall be responsible for checking plant and material quantities to ensure quantities on drawings and plant lists are the same. In the event of a discrepancy, the quantities on the plan shall prevail.

#### ENVIRONMENTAL REQUIREMENTS:

- Work is to be performed in accordance with the requirements provided in USACE Permit Number XXX. The CONTRACTOR is responsible for reviewing and becoming familiar with permit requirements. Copies of these permits shall be maintained on the project site.
- Erosion and sedimentation controls shall be installed by the CONTRACTOR prior to any disturbance of the grounds occurs, with the exception of those activities required to install these controls.
- Contractor shall furnish an affidavit certified by CONTRACTOR and seed and plant suppliers per the specifications prior to commencing seeding and planting work.

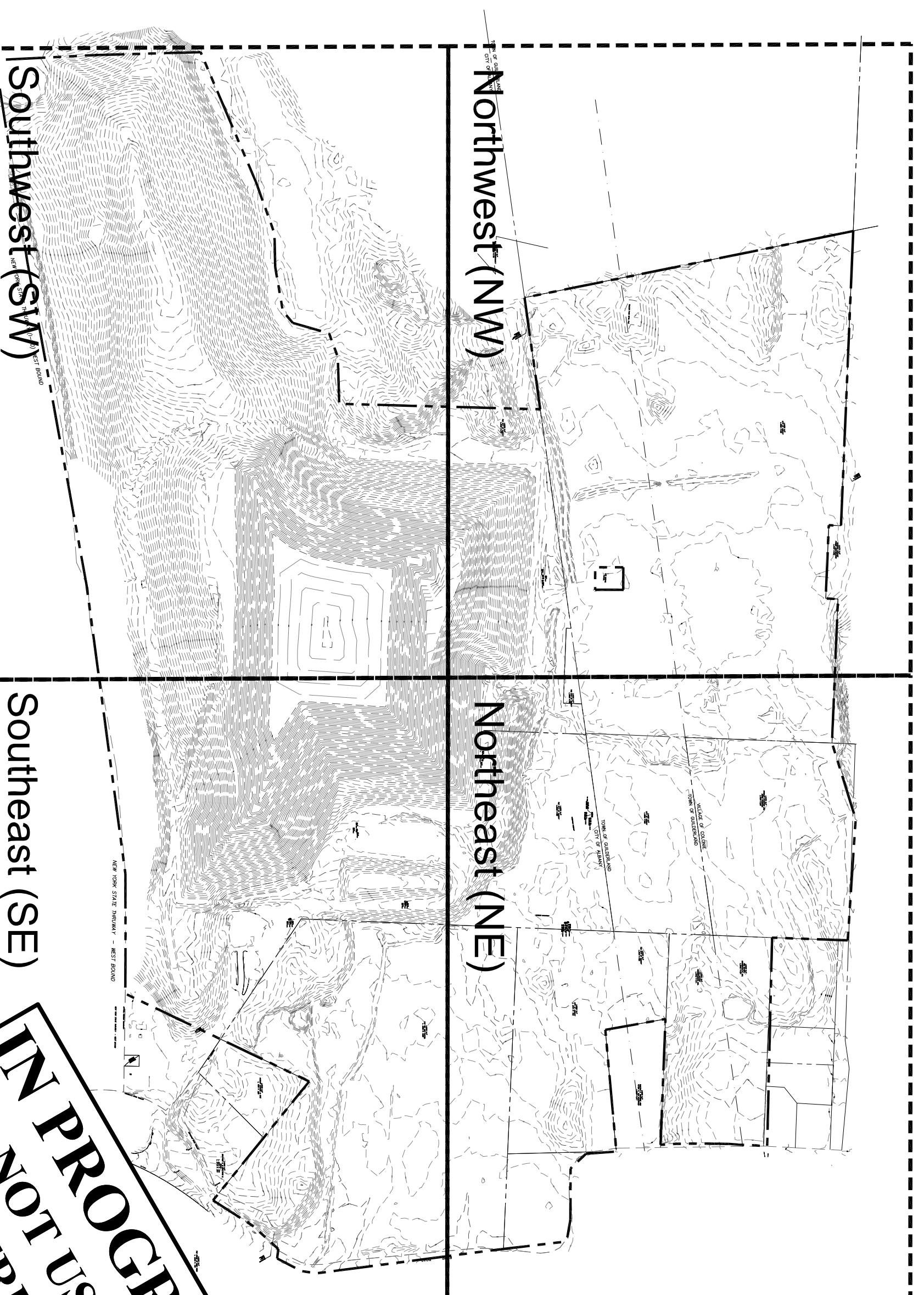
#### PROTECTION OF UTILITIES:

- Notify Dig Safely New York two (2) working days prior to digging at 1-800-962-7962 for a Utility Stake-out.



PROJECT SITE

Site Location Map



Sheet Set Division

### Albany Rapp Road Landfill

Albany, New York  
**City of Albany, Dept. of General Services**  
 One Connors Blvd.  
 Albany, New York

### Title Sheet

REVISIONS  
 No. 1 Date: 08 June 2008 By: mrr  
 Description: 80% CD Set

No. 2 Date: 13 June 2008 By: mrr  
 Description: 80% CD Set

No. 3 Date: 26 June 2008 By: mrr  
 Description: 80% CD Set

No. 4 Date: 02 September 2008 By: mrr  
 Description: 80% CD Set DEC Comments Resolved

ALS Proj. #: 06-0500

Checked:  
 Approved:  
 Drawn by: mrr  
 Title: "Observation 2008-set", (Design) Paving  
 Date: 08 June 2008  
 Coordinate System: (NAD 83) State Plane, East (ft)



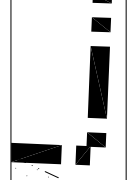

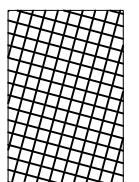
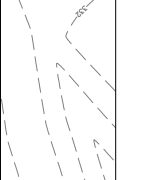
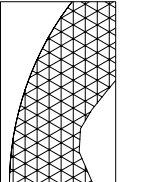
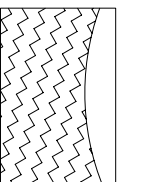
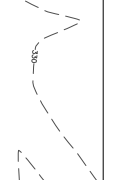
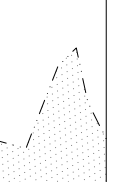
Applied Ecological Services, Inc.  
 11724 Smith Road, P. O. Box 225  
 Plover, NY 12149  
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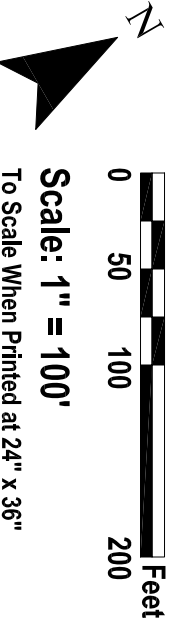
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 Sheet Number





**LEGEND**

	Project Boundary		Wetland Soils Salvage Area		Upland Soils Salvage Area
	Existing 2' Contours		Wetland Soils Salvage Recovery Area		Upland Soils Salvage Recovery Area
	Existing 10' Contours		Wetland		



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**Albany Rapp Road Landfill**  
Albany, New York  
**City of Albany, Dept. of General Services**  
One Connors Blvd.  
Albany, New York

**Salvage/Closure  
Plan**

Revisions	Date	By
No. 1	06 June 2008	BS, nrr
Description: 80% CD Set		

No. 2	Date: 13 June 2008	By: nrr
Description: 80% CD Set		

No. 3	Date: 26 June 2008	By: nrr
Description: 80% CD Set		

No. 4	Date: 02 September 2008	By: nrr
Description: 80% CD Set DEC Comments Revision		

ALS Proj. #: 06-0500

Checked: \_\_\_\_\_  
 Drawn by: nrr  
 Title: "Construction 2008" (2008) Paving  
 Date: 06 June 2008  
 Coordinate System: NAD 83 State Plane, East (ft)

**CHA**  
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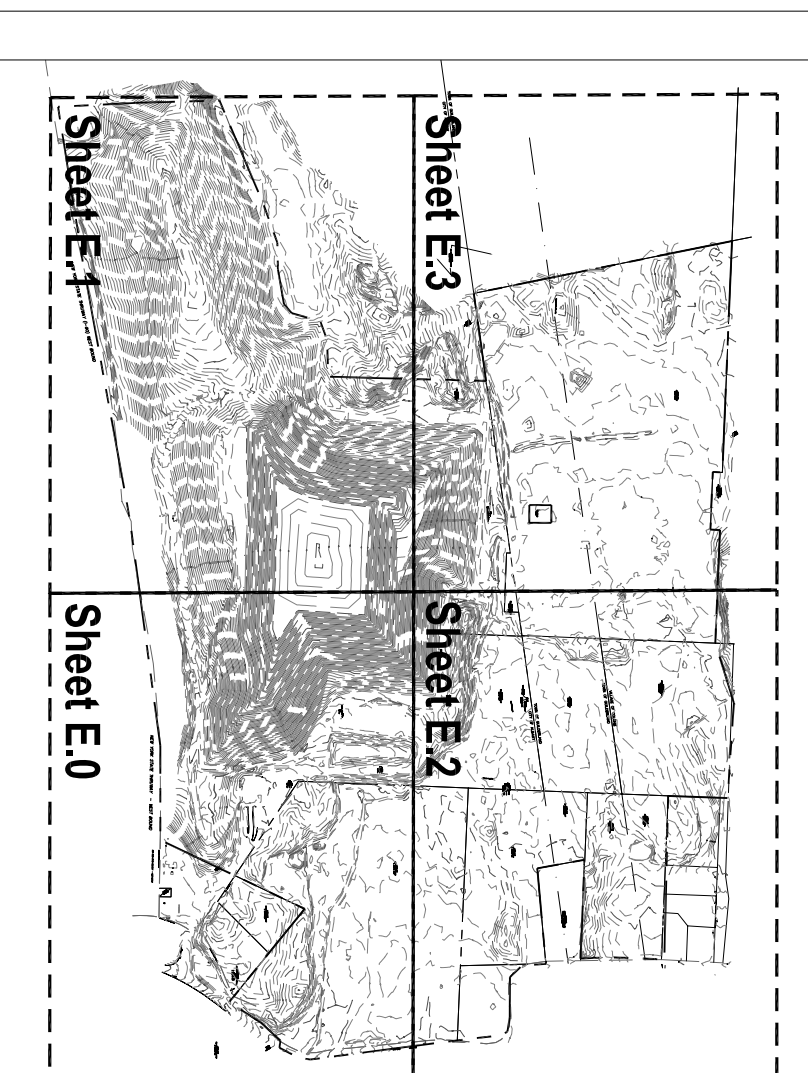
**Applied Ecological Services, Inc.**  
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 Sheet Number  
**C.0**



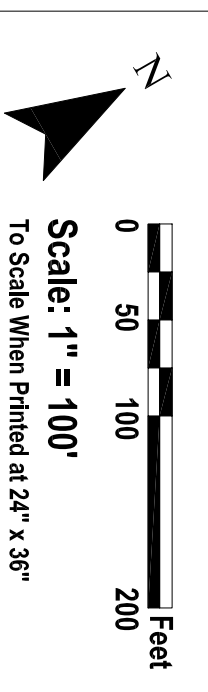
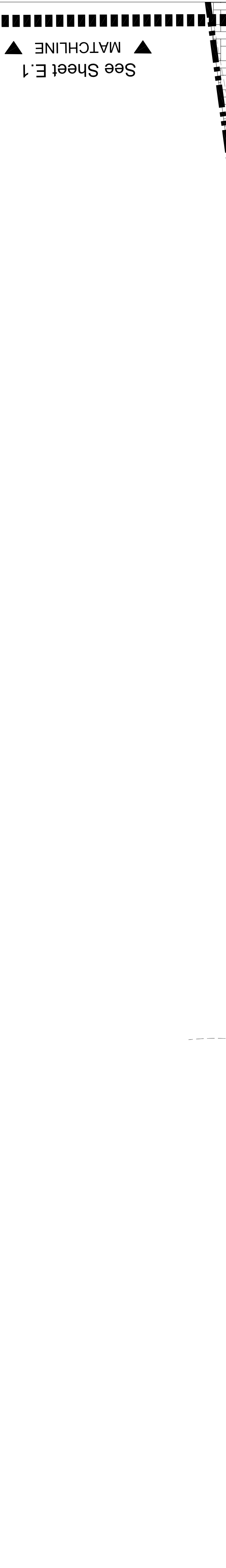
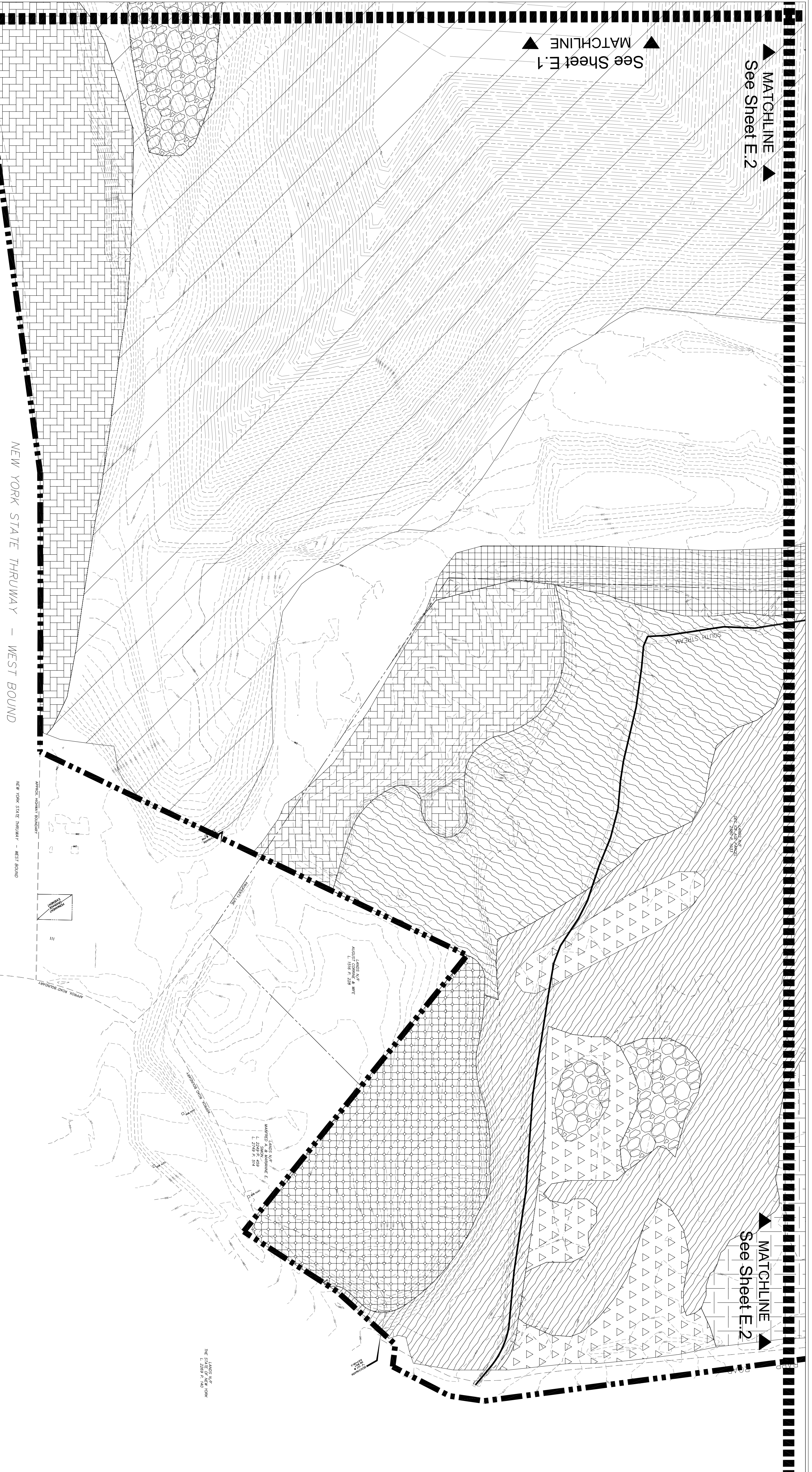
- Notes:
- Quantities are based on entire site inventory, not areas identified on each sheet.

Sheet layout Diagram



**Albany Rapp Road Landfill**  
 Albany, New York  
**City of Albany, Dept. of General Services**  
 One Connors Blvd.  
 Albany, New York

**Existing Land Cover Plan (SE)**



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<b>REVISIONS</b>	Date: 06 June 2008	By: rrr
No. 1	Date: 06 June 2008	By: rrr
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Checked:		
Approved:		
Drawn by: rrr		
File: ...Construction_060508_01_Landscape_Paving		
Date: 06 June 2008		
Coordinate System: NAD 83 / State Plane (East)		

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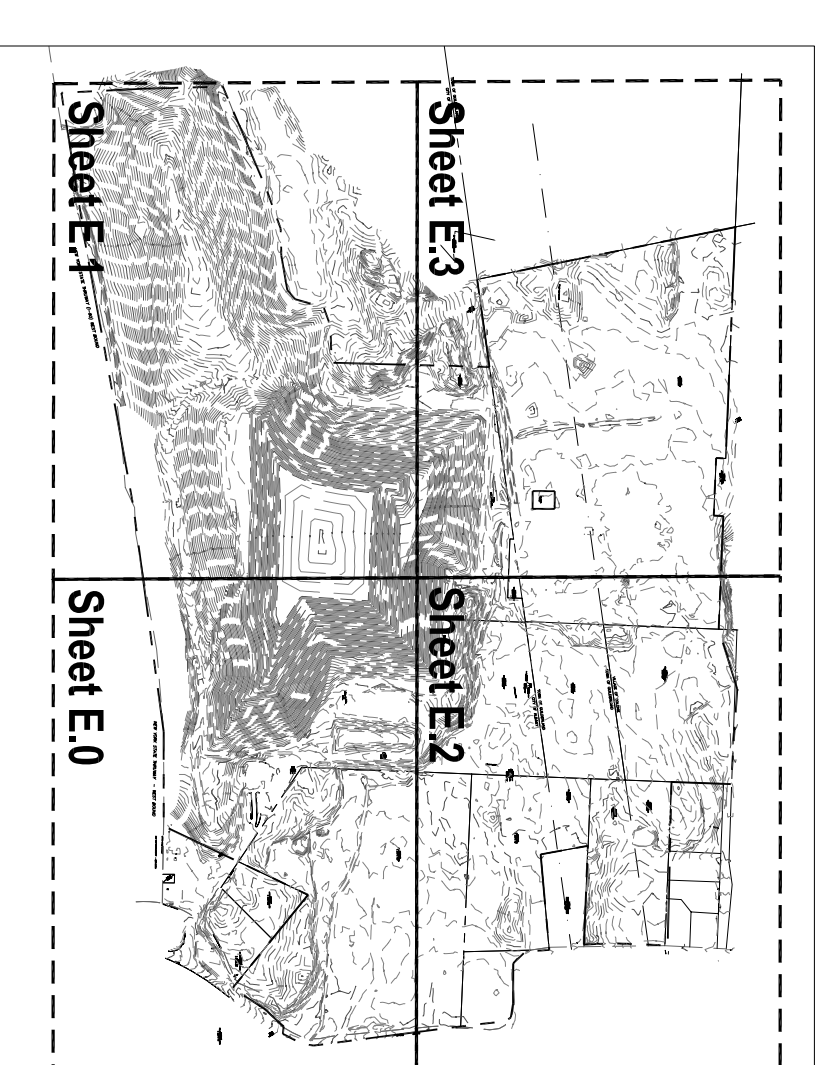
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See Sheet E.3

▲ MATCHLINE ▲  
See Sheet E.3

▲ MATCHLINE ▲  
See Sheet E.0

- Notes:
- Quantities are based on entire site inventory, not areas identified on each sheet.

Sheet Layout Diagram



**Albany Rapp Road Landfill**  
Albany, New York  
**City of Albany, Dept. of General Services**  
One Connors Blvd.  
Albany, New York

**Existing Land  
Cover Plan  
(SW)**

**REVISIONS**

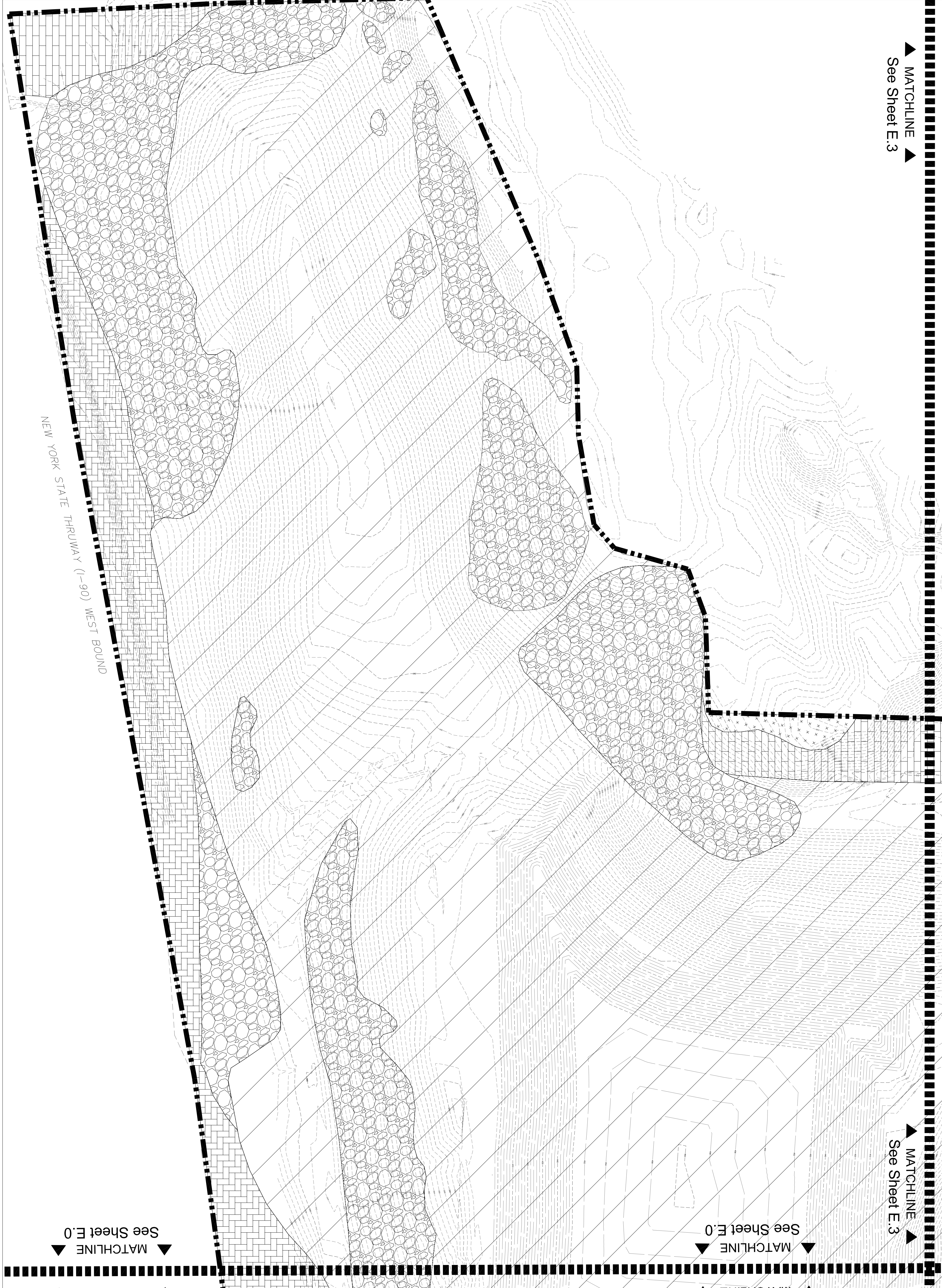
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Description: 90% CD Set		
No. 4	Date: 02 September 2008	By: nrr
Description: 90% CD Set DEC Comments Resolved		

ALS Proj. #: 06-0500  
Checked:  
Approved:  
Drawn by: nrr  
Title: ...Osweston Road/Scrub (Zangoff) Paving  
Date: 06 June 2008  
Coordinate System: NAD 83 State Plane, East (ft)

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**LEGEND**

- Project Limit Line
- Existing Landfill 83.06 AC
- Existing Stream
- Existing Wetland
- Existing 10' Contours
- Existing 2' Contours
- Wetlands
- Phragmites 17.53 AC

**Wetlands**

- Forested Wetland 12.54 AC
- Disturbed Forested Wetland 4.41 AC
- Red Maple Stand (East of T. Park) 9.16 AC
- Vernal Pond 1.65 AC

**Upland Grassland Communities**

- Pine Stand/Old Pasture 123 AC
- Old Field 2.57 AC
- Old Field/Scattered Cottonwoods on Spoil Piles 3.95 AC

**Upland Forest Communities**

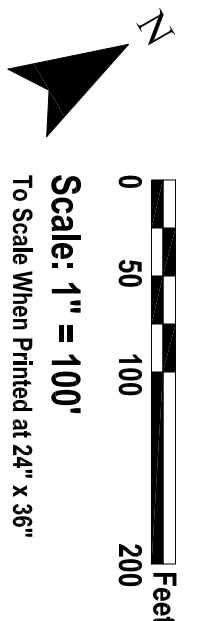
- Upland Mesic Forest 97.08 AC
- Pitch Pine/Scrub Oak 675.49 AC
- Disturbed Oak Pine Forest 9.57 AC
- Quaking Aspen/Dense Shrub 9.45 AC

**Upland Forest Communities**

- Degraded Oak/Pine Woodland 1.32 AC
- Disturbed Forest 4.84 AC
- Black Locust/Black Cherry 3.82 AC
- Red Oak Dominated 3.65 AC

**Developed Land**

- North Powerline Easement 1.29 AC
- Powerline Corridor 1.31 AC
- Trailer Park 27.49 AC

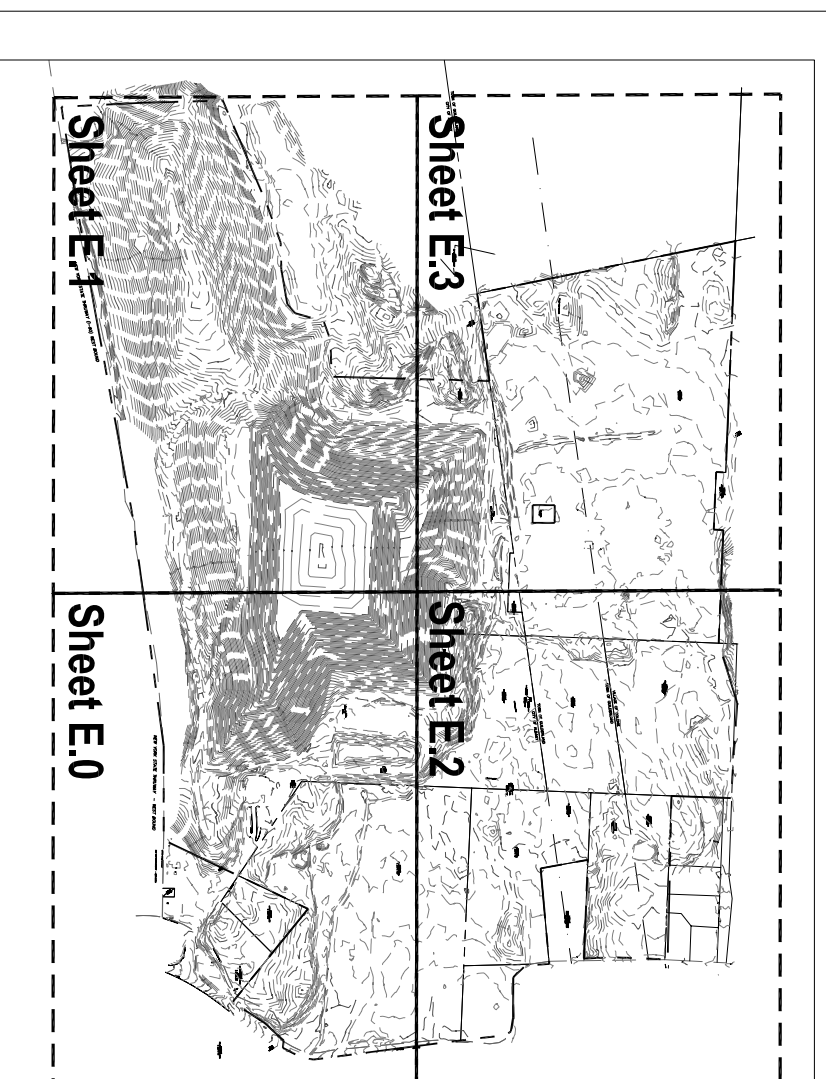


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- Notes:
- Quantities are based on entire site inventory, not areas identified on each sheet.

Sheet Layout Diagram



**Albany Rapp Road Landfill**  
 Albany, New York  
**City of Albany, Dept. of General Services**  
 One Connors Blvd.  
 Albany, New York

**Existing Land  
 Cover Plan  
 (NE)**

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No. 3	Date: 26 June 2008	By: nrr
Description: 50% CD Set		

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Description: 50% CD Set DEC Comments Resolved		

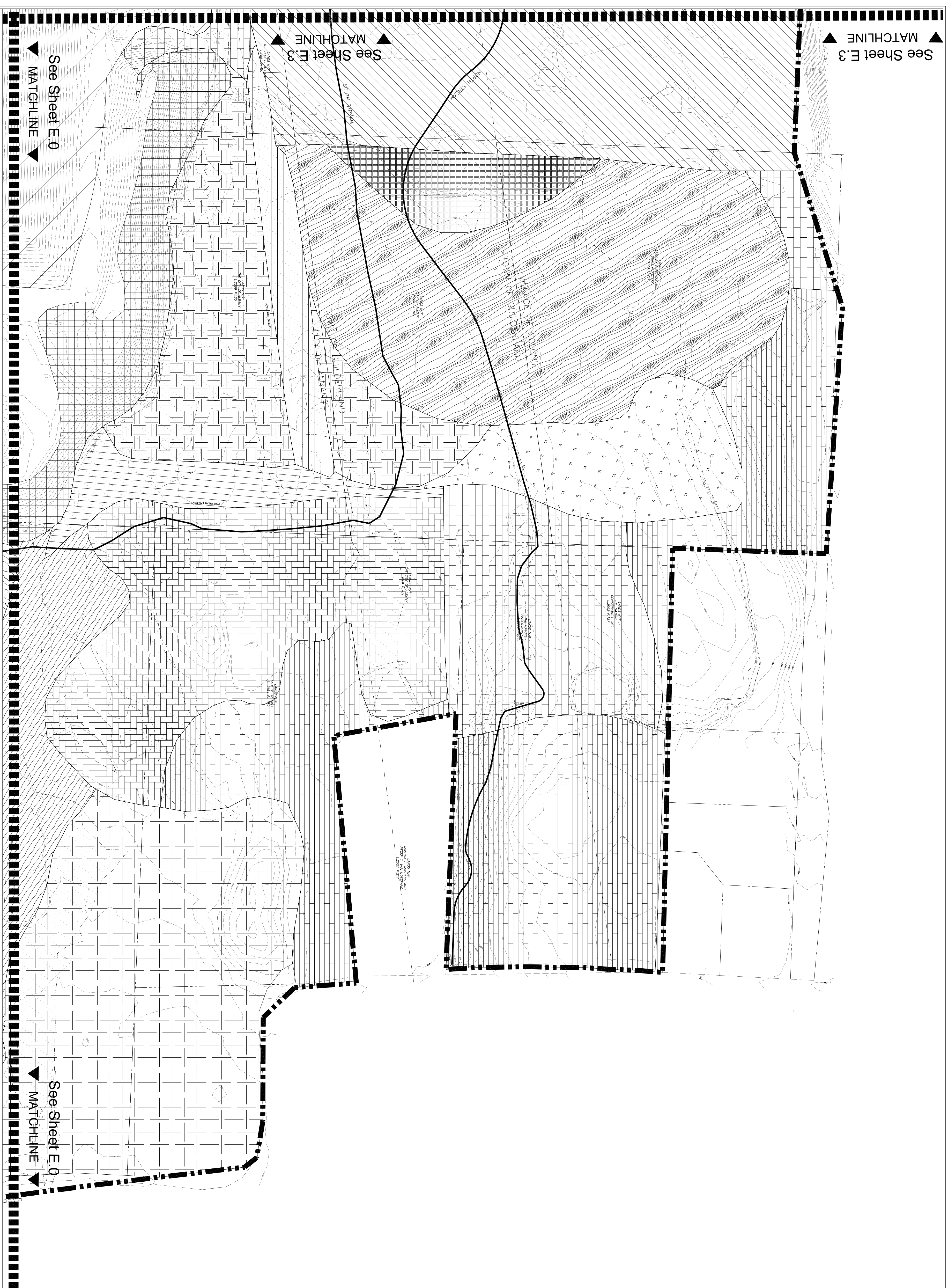
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Approved:	
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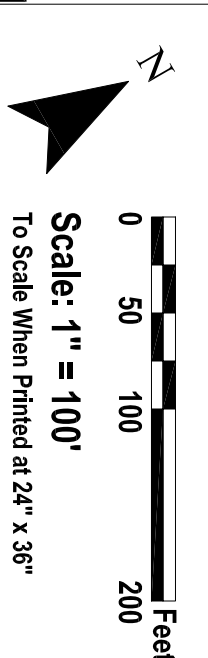


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**E.2**



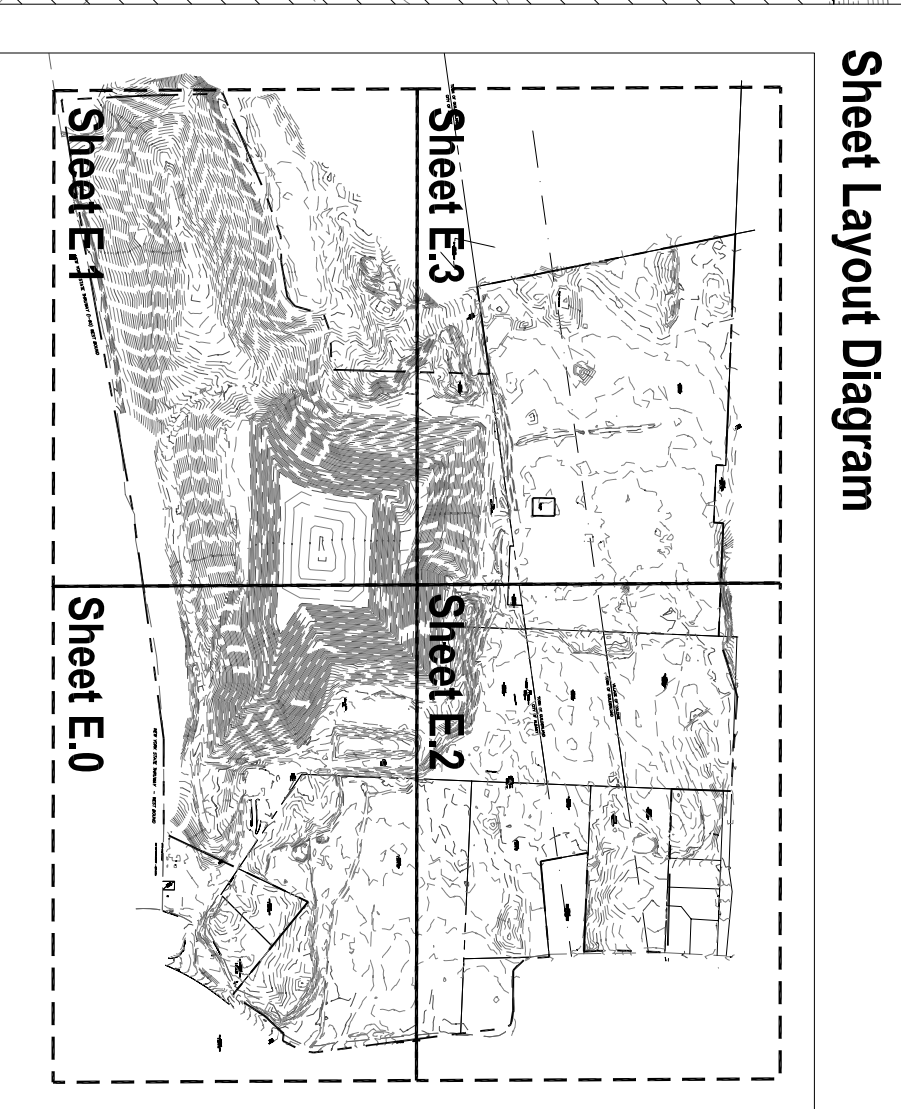
LEGEND	
	Project Limit Line
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	Existing Stream
	Existing Wetland
	Existing 10' Contours
	Existing 2' Contours
	Wetlands
	Phragmites 17.53 AC
	Forested Wetland 12.54 AC
	Disturbed Forested Wetland 4.41 AC
	Red Maple Stand (East of T. Park) 9.16 AC
	Vernal Pond 1.65 AC
	Pine Stand/Old Pasture 123 AC
	Old Field 2.57 AC
	Old Field/Scattered Cottonwoods on Spoil Piles 3.95 AC
	Upland Mesic Forest 97.08 AC
	Pitch Pine/Scrub Oak 675.49 AC
	Disturbed Oak Pine Forest 9.57 AC
	Quaking Aspen/Dense Shrub 9.45 AC
	Degraded Oak/Pine Woodland 1.32 AC
	Disturbed Forest 4.84 AC
	Black Locust/Black Cherry 3.82 AC
	Red Oak Dominated 3.65 AC
	North Powerline Easement 1.29 AC
	Powerline Corridor 1.31 AC
	Trailer Park 27.49 AC



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Notes:  
 1. Quantities are based on entire site inventory, not areas identified on each sheet.



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 Albany, New York  
**City of Albany, Dept. of General Services**  
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 Albany, New York

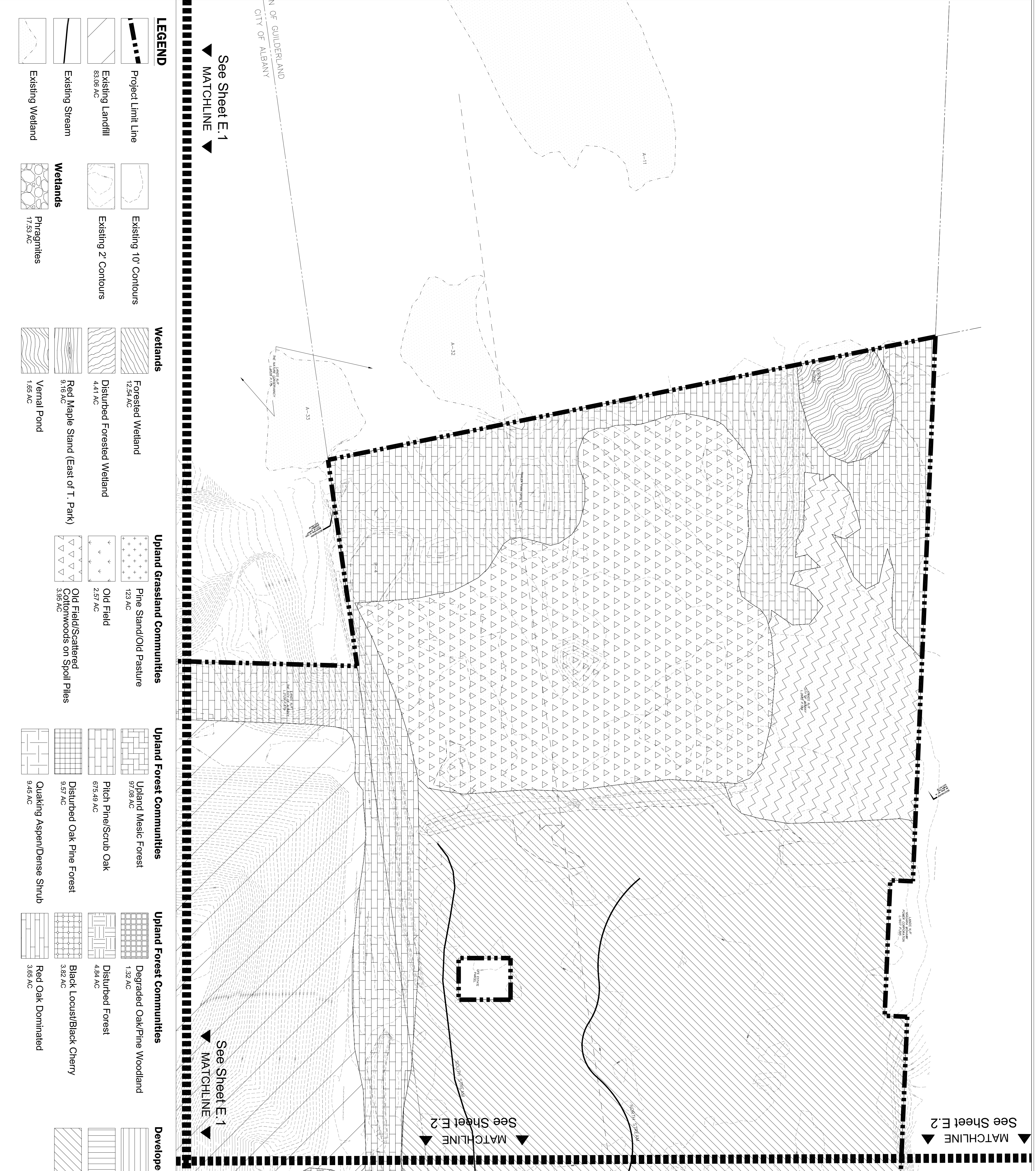
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ALS Proj. #: 06-0500		
Checked:		
Approved:		
Drawn by: mm		
Title: "Existing Land Cover Plan (NW)"		
Date: 08 June 2008		
Coordinate System: NAD 83 State Plane, East (ft)		

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See Sheet E.1  
 MATCHLINE

**LEGEND**

	Project Limit Line
	Existing Landfill 83.06 AC
	Existing Stream
	Existing Wetland
	Existing 10' Contours
	Existing 2' Contours
	<b>Wetlands</b>
	Phragmites 17.53 AC

**Wetlands**

	Forested Wetland 12.54 AC
	Disturbed Forested Wetland 4.41 AC
	Red Maple Stand (East of T. Park) 9.16 AC
	Vernal Pond 1.65 AC

**Upland Grassland Communities**

	Pine Stand/Old Pasture 123 AC
	Old Field 2.57 AC
	Old Field/Scattered Cottonwoods on Spoil Piles 3.58 AC

**Upland Forest Communities**

	Upland Mesic Forest 97.08 AC
	Pitch Pine/Scrub Oak 675.49 AC
	Disturbed Oak Pine Forest 9.57 AC
	Quaking Aspen/Dense Shrub 9.45 AC

**Upland Forest Communities**

	Degraded Oak/Pine Woodland 1.32 AC
	Disturbed Forest 4.84 AC
	Black Locust/Black Cherry 3.82 AC
	Red Oak Dominated 3.65 AC

**Developed Land**

	North Powerline Easement 1.29 AC
	Powerline Corridor 1.31 AC
	Trailer Park 27.49 AC

See Sheet E.1  
 MATCHLINE

See Sheet E.2  
 MATCHLINE

See Sheet E.1  
 MATCHLINE

See Sheet E.2  
 MATCHLINE

Scale: 1" = 100'  
 To Scale When Printed at 24" x 36"

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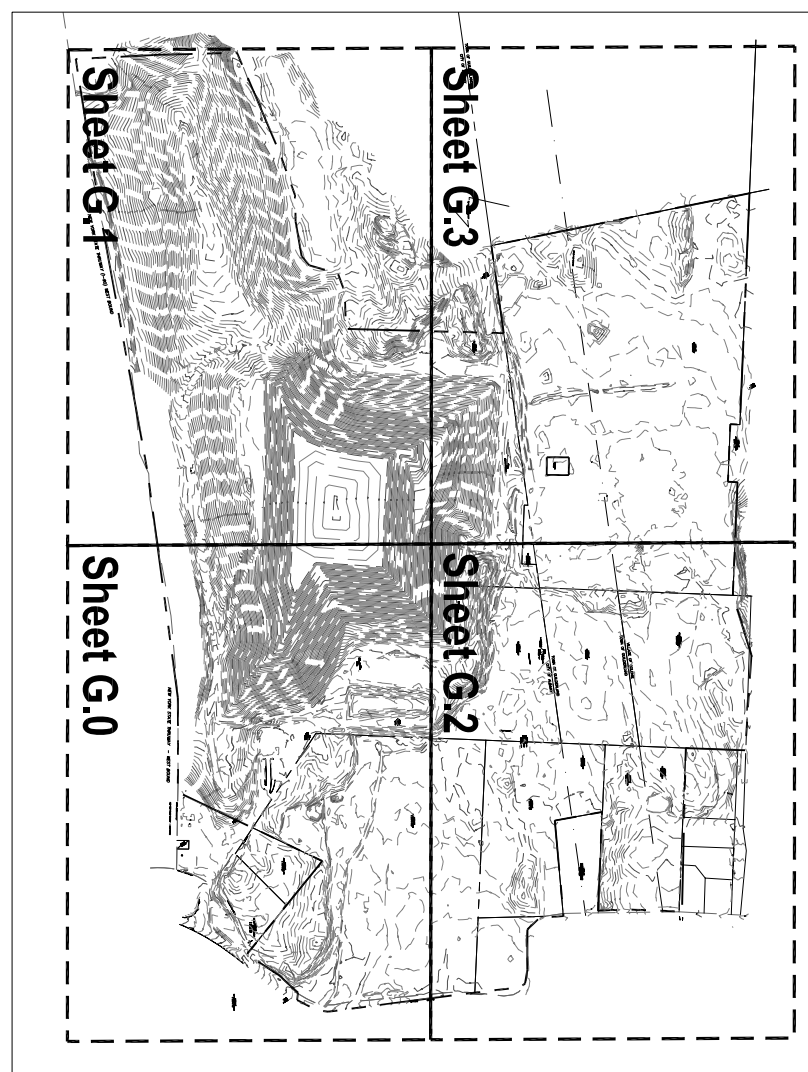




▲ MATCHLINE ▲  
See Sheet G.3

▲ MATCHLINE ▲  
See Sheet G.3

▲ MATCHLINE ▲  
See Sheet G.3



- Notes:
1. Non-wetland areas of spoil piles to be stripped from current location and placed below final grade in areas of major earthwork.

**Albany Rapp Road Landfill**  
Albany, New York  
**City of Albany, Dept. of General Services**  
One Connors Blvd.  
Albany, New York

**Erosion and Sedimentation Control Plan (SW)**

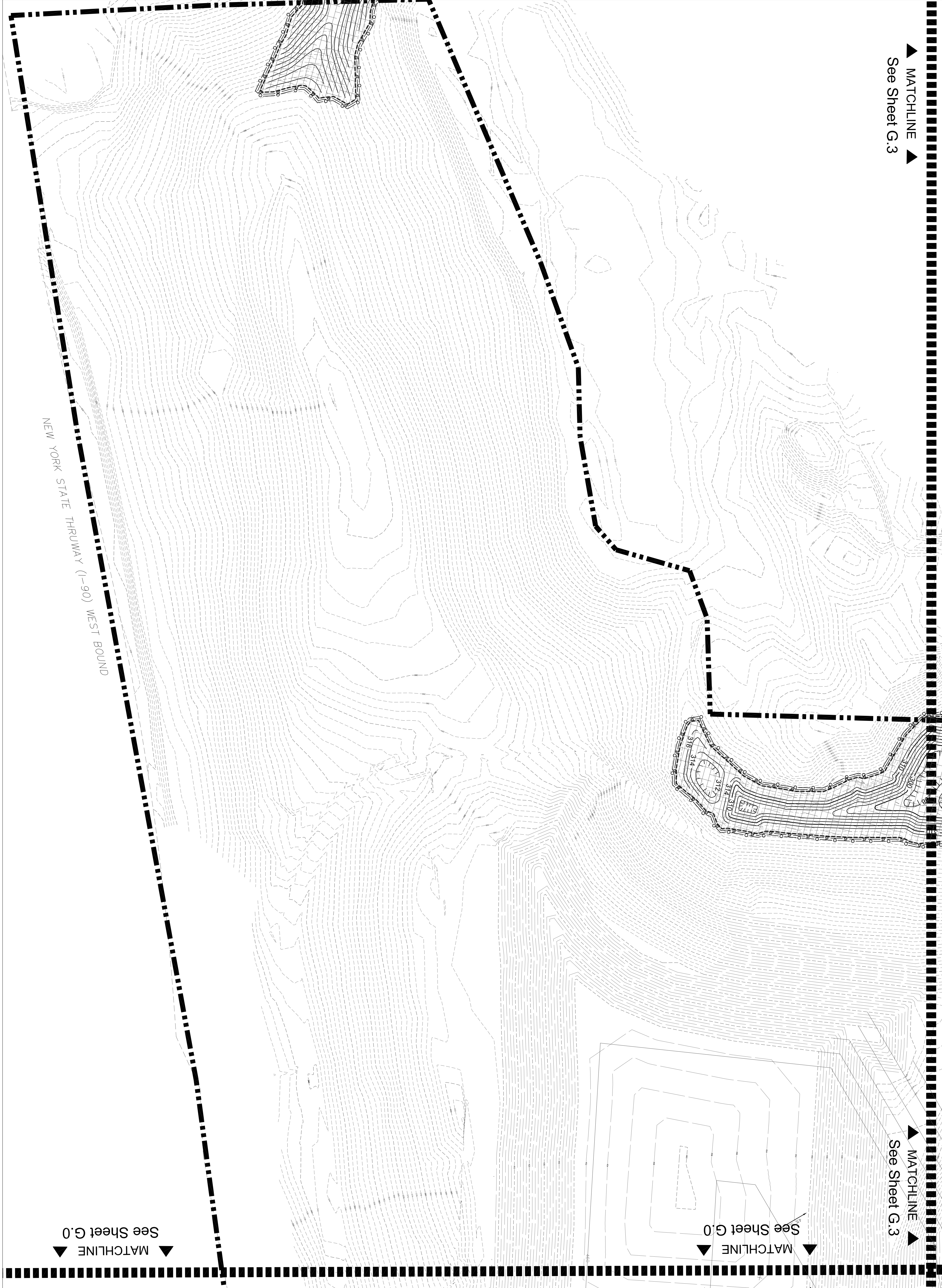
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No. 2	Date: 13 June 2008	By: nrr	Description: 50% CD SW
No. 3	Date: 26 June 2008	By: nrr	Description: 50% CD SW
No. 4	Date: 02 September 2008	By: nrr	Description: 50% CD SW CD SW

ALS Proj. # 06-0590  
Checked:  
Approved:  
Drawn By: nrr  
Title: "Construction/Sedimentation Control Plan"  
Date: 06 June 2008  
Coordinate System: NAD 83 State Plane, East (ft)



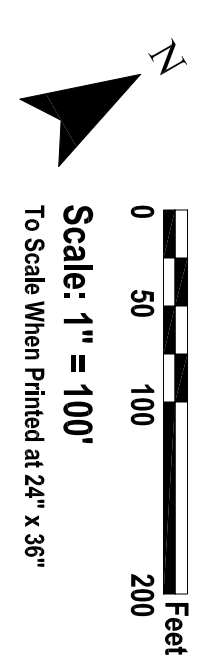
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Plover, WI 53099  
Phone: (608) 887-8841 Fax: (608) 897-8486  
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Email: info@aesinc.com

ES.1



**LEGEND**

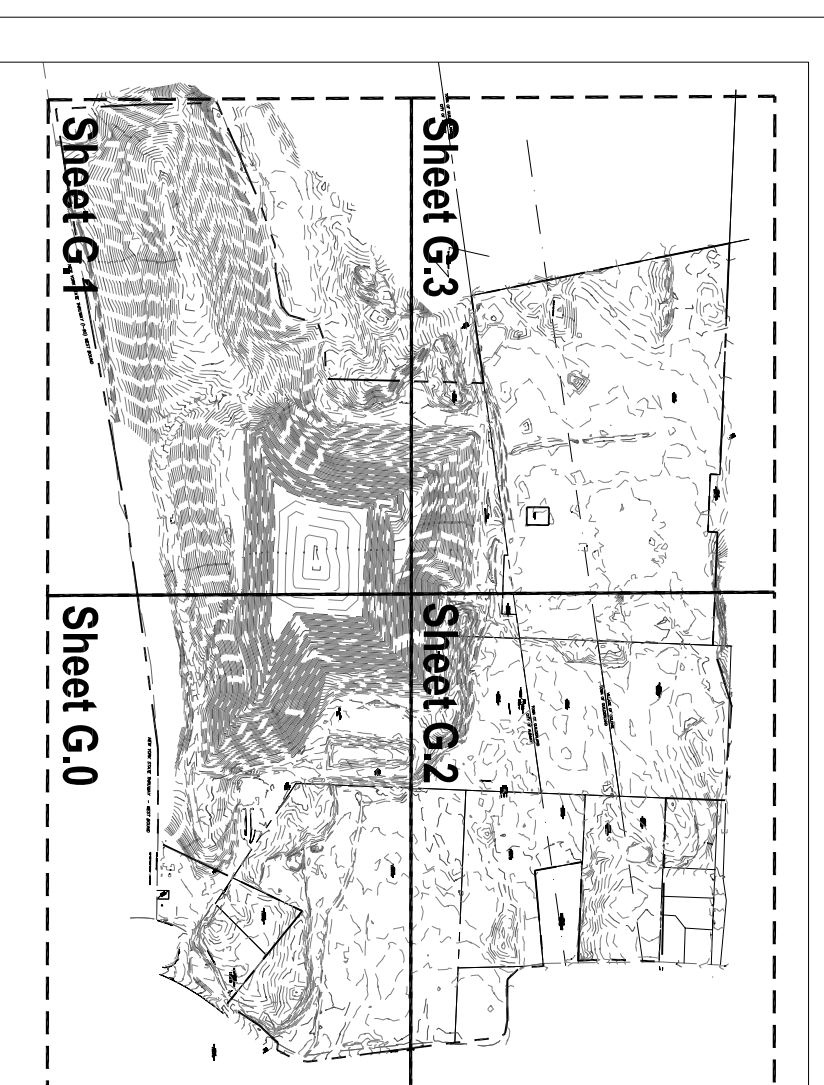
- Site Boundary
- Existing 10' Contours
- Existing 2' Contours
- Proposed 10' Contours
- Proposed 2' Contours
- Limits of Restoration Grading
- Proposed Drainage Channel
- Slope
- Wetland
- Proposed Silt Fence
- Proposed Orange Construction Fence
- Proposed Rock Check Dam
- Disturbed Area to be Immediately Cover Cropped and Mulched with Hydromulch or Straw Mulch and Tackifier



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Sheet Layout Diagram



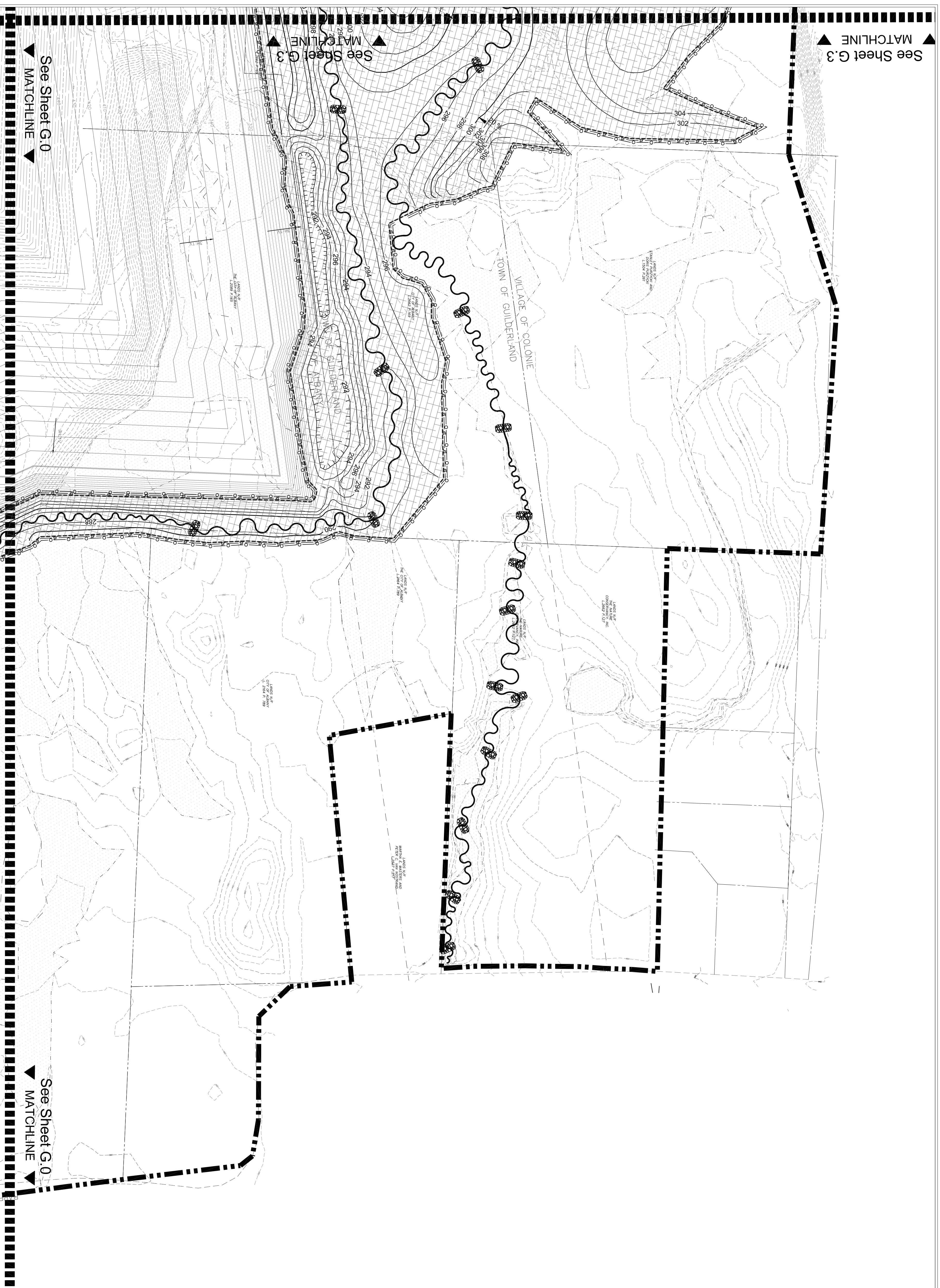
**Albany Rapp Road Landfill**  
 Albany, New York  
**City of Albany, Dept. of General Services**  
 One Connors Blvd.  
 Albany, New York

**Erosion and Sedimentation Control Plan (NE)**

Revisions	Date:	By:
No. 1	06 June 2008	err
Description: 50% CD Set		
No. 2	13 June 2008	err
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Description: 50% CD Set		
No. 4	02 September 2008	err
Description: 50% CD Set DEC Comments Resolved		

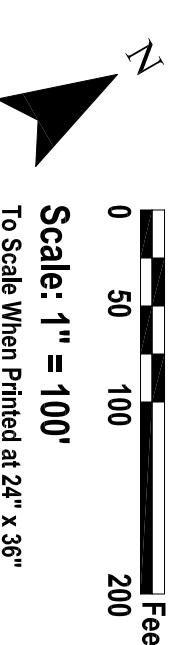
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Checked:  
 Approved:  
 Drawn by: err  
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 Date: 06 June 2008  
 Coordinate System: NAD 83 State Plane, East (ft)



**LEGEND**

- Site Boundary
- Existing 10' Contours
- Existing 2' Contours
- Proposed 10' Contours
- Proposed 2' Contours
- Proposed Drainage Channel
- Slope
- Wetland
- Proposed Silt Fence
- Proposed Orange Construction Fence
- Proposed Rock Check Dam
- Disturbed Area to be Immediately Cover Cropped and Mulched with Hydromulch or Straw Mulch and Tackifier

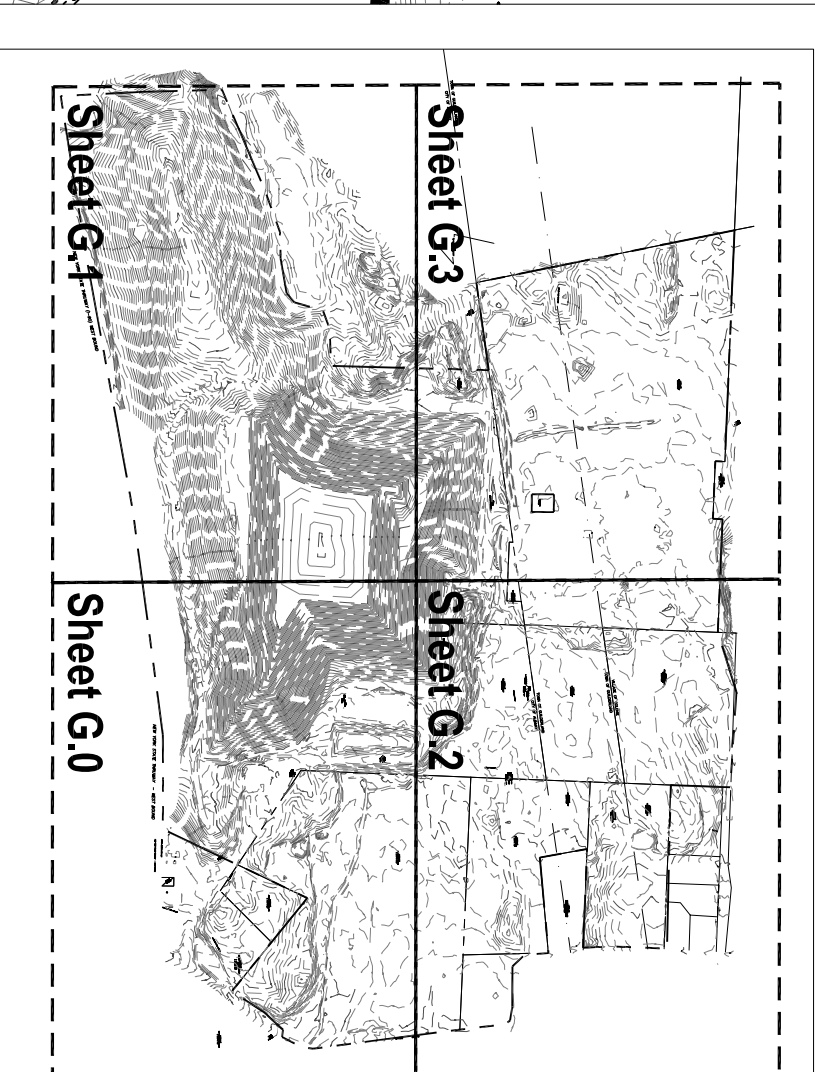


**IN PROGRESS  
 DO NOT USE FOR  
 CONSTRUCTION**





Sheet Layout Diagram



**Albany Rapp Road Landfill**  
 Albany, New York  
**City of Albany, Dept. of General Services**  
 One Connors Blvd.  
 Albany, New York

**Erosion and Sedimentation Control Plan (NW)**

Revisions	Date	By
No. 1	Date: 08 June 2008	By: nrr
Description:	90% CD S&I	

No. 2	Date: 13 June 2008	By: nrr
Description:	90% CD S&I	

No. 3	Date: 26 June 2008	By: nrr
Description:	90% CD S&I	

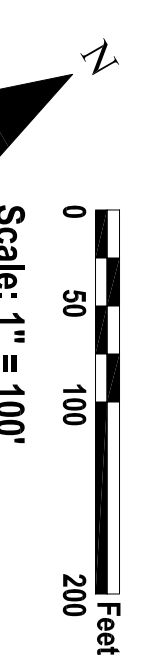
No. 4	Date: 02 September 2008	By: nrr
Description:	90% CD S&I DEC Comments Revision	

ALS Proj. #: 06-0590

Checked:  
 Approved:  
 Drawn By: nrr  
 Title: "Erosion and Sedimentation Control Plan (NW)  
 Date: 08 June 2008  
 Coordinate System: NAD 83 State Plane, East (ft)

**Applied Ecological Services, Inc.**  
 17271 South Road, P.O. Box 225  
 Phoenix, AZ 85024-0225  
 Phone: (602) 887-8841 Fax: (602) 887-8488  
 www.aesinc.com  
 Email: aes@aesinc.com

**ES.3**

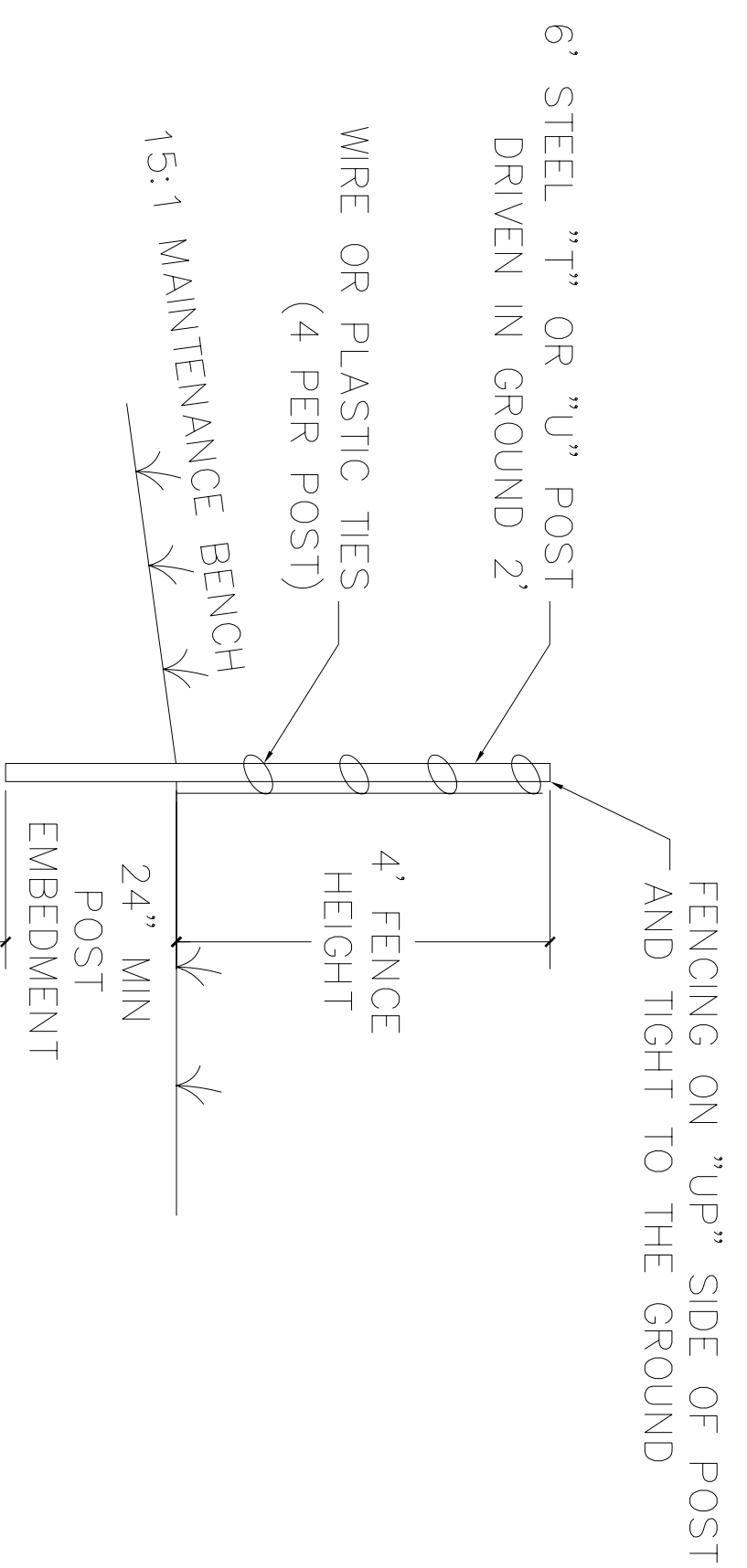
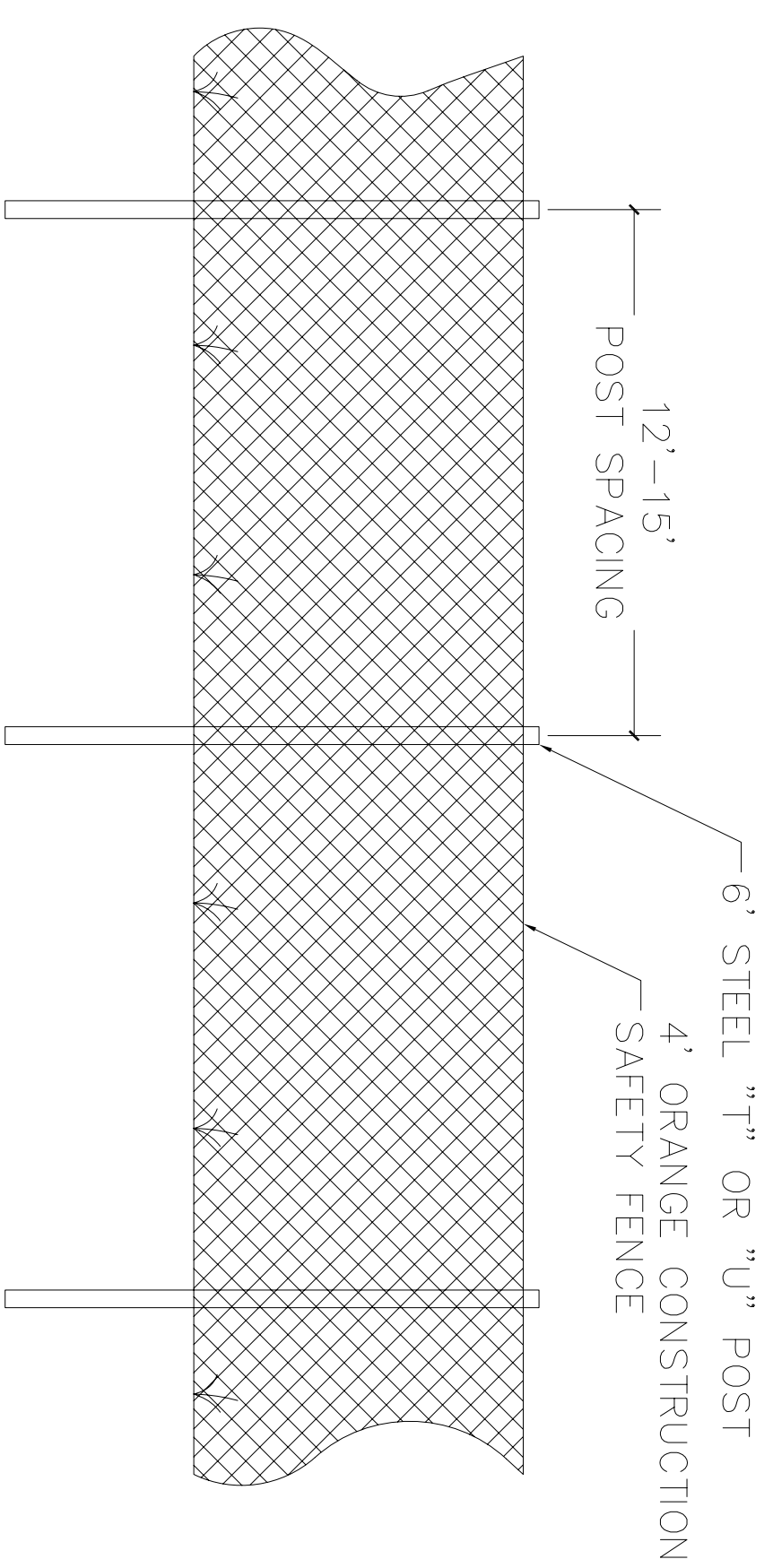


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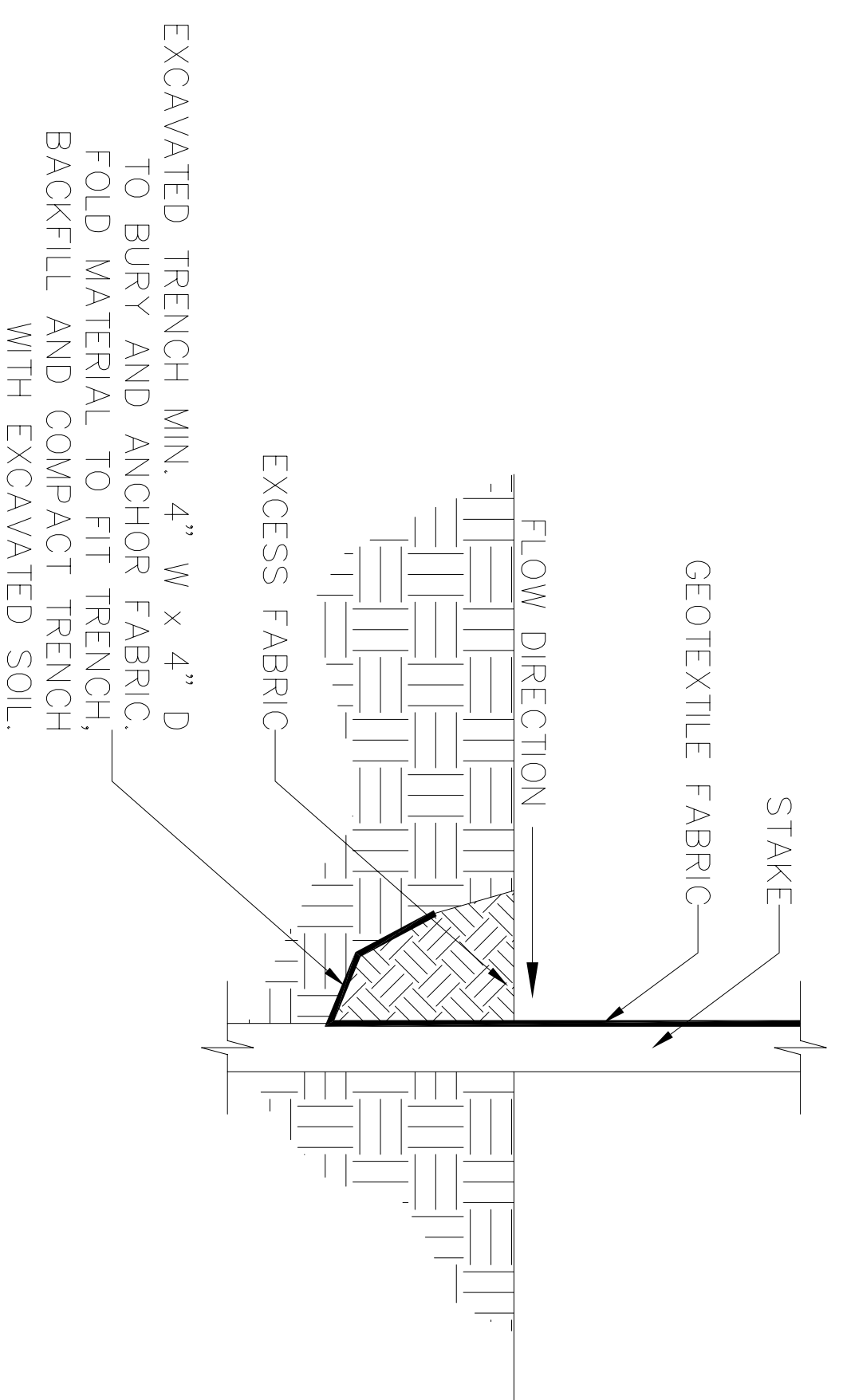
	Site Boundary		Proposed Drainage Channel
	Existing 10' Contours		Slope
	Existing 2' Contours		Wetland
	Proposed 10' Contours		Proposed Silt Fence
	Proposed 2' Contours		Proposed Orange Construction Fence
	Limits of Restoration Grading		Proposed Rock Check Dam
			Disturbed Area to be Immediately Cover Cropped and Mulched with Hydromulch or Straw Mulch and Tackifier

**IN PROGRESS  
 DO NOT USE FOR  
 CONSTRUCTION**

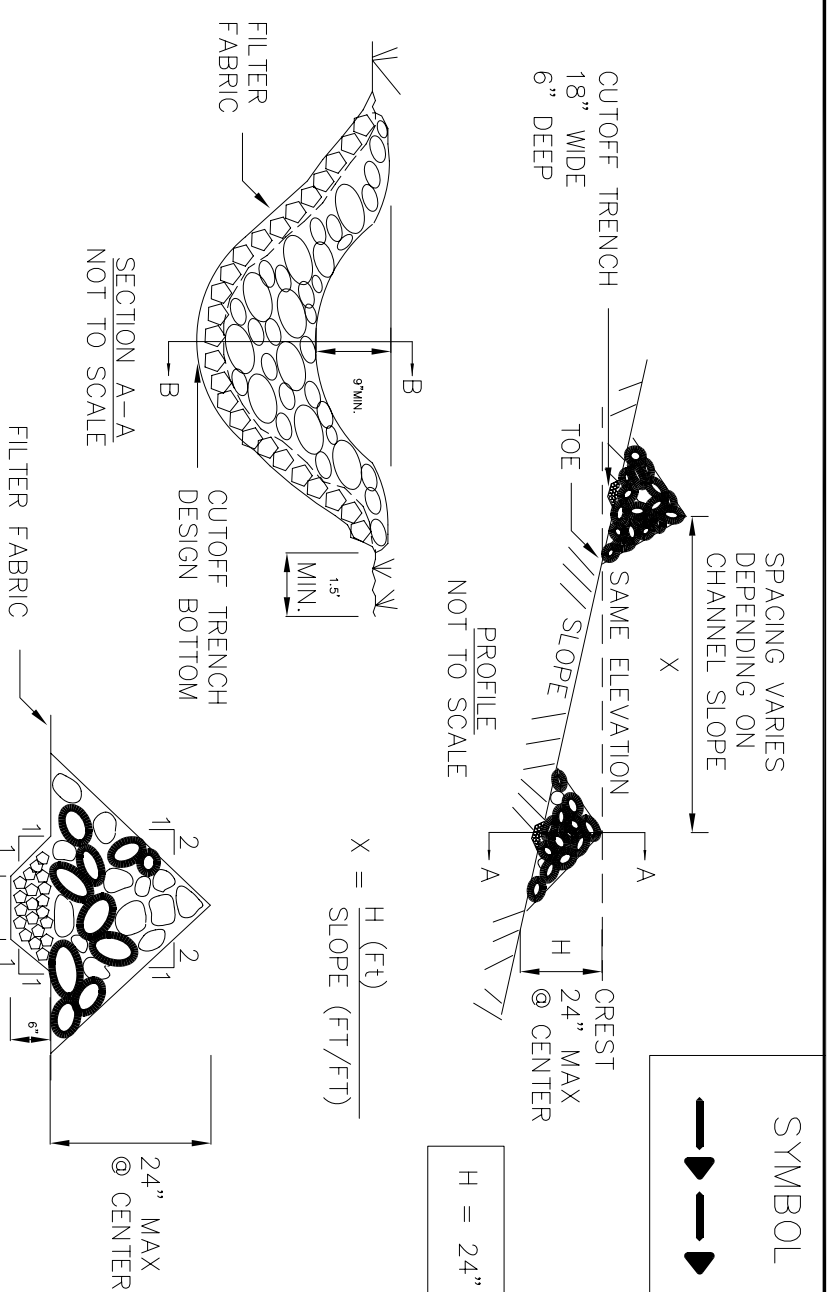




**ES-1**  
Scale: NTS  
**ORANGE CONSTRUCTION FENCE DETAIL**



**ES-2**  
Scale: NTS  
**SILT FENCE DETAIL**



**CONSTRUCTION SPECIFICATIONS**

1. STONE WILL BE PLACED ON A FILTER FABRIC FOUNDATION TO THE LINES. GRADES AND LOCATIONS SHOWN IN THE PLAN.
2. SET SPACING OF CHECK DAMS TO ASSURE THAT THE ELEVATIONS OF THE CREST OF THE DOWNSTREAM DAM IS AT THE SAME ELEVATION OF THE TOE OF THE UPSTREAM DAM.
3. EXTEND THE STONE A MINIMUM OF 1.5 FEET BEYOND THE DITCH BANKS TO PREVENT CUTTING AROUND THE DAM.
4. PROTECT THE CHANNEL DOWNSTREAM OF THE LOWEST CHECK DAM FROM SCOUR AND EROSION WITH STONE OR LINER AS APPROPRIATE.
5. ENSURE THAT CHANNEL APPURTENANCES SUCH AS CULVERT ENTRANCES BELOW CHECK DAMS ARE NOT SUBJECT TO DAMAGE OR BLOCKAGE FROM DISPLACED STONE. MAXIMUM DRAINAGE AREA 2 ACRES.

U.S. DEPARTMENT OF AGRICULTURE  
NATURAL RESOURCES CONSERVATION SERVICE  
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
NEW YORK STATE SOIL & WATER CONSERVATION COMMITTEE

CHECK DAM

**ES-3**  
Scale: NTS  
**ROCK CHECK DAM DETAIL**

**Erosion and Sedimentation Control Plan Details**

**Albany Rapp Road Landfill**  
Albany, New York  
**City of Albany, Dept. of General Services**  
One Connors Blvd.  
Albany, New York

**Revisions**  
No. 1 Date: 08 June 2008 By: nrr  
Description: 90% CD Set

No. 2 Date: 13 June 2008 By: nrr  
Description: 90% CD Set

No. 3 Date: 26 June 2008 By: nrr  
Description: 90% CD Set

No. 4 Date: 02 September 2008 By: nrr  
Description: 90% CD Set/ DEC Comments Revision

ALS Proj. #: 06-0560

Checked:  
Approved:  
Drawn By: nrr  
Title: "Construction Erosion Control" (Design) Plan  
Date: 08 June 2008  
Coordinate System: NAD 83 State Plane, East (ft)

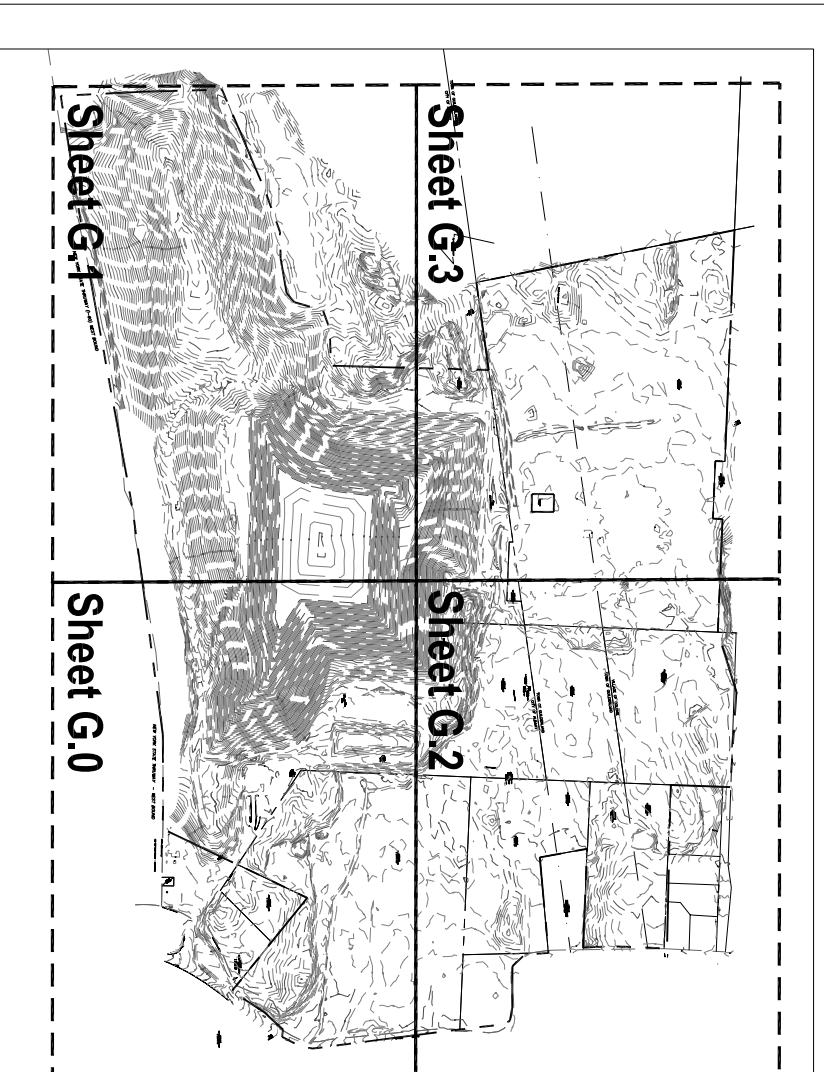


**IN PROGRESS  
DO NOT USE FOR  
CONSTRUCTION**

**ES.4**



Sheet Layout Diagram



Notes:

1. Non-wetland areas of spoil piles to be stripped from current location and placed below final grade in areas of major earthwork.

# Albany Rapp Road Landfill

Albany, New York  
**City of Albany, Dept. of General Services**  
 One Connors Blvd.  
 Albany, New York

## Restoration Grading Plan (SE)

**REVISIONS**

No. 1	Date: 08 June 2008	By: nrr
Description: 80% CD Set		

No. 2	Date: 13 June 2008	By: nrr
Description: 80% CD Set		

No. 3	Date: 26 June 2008	By: nrr
Description: 80% CD Set		

No. 4	Date: 02 September 2008	By: nrr
Description: 80% CD Set DEC Comments Resolved		

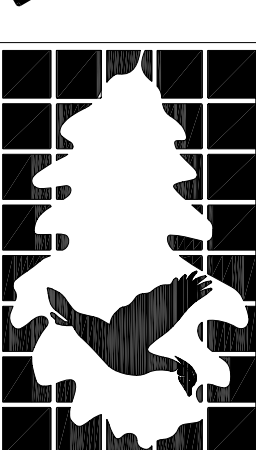
ALS Proj. #: 06-0560

Checked: \_\_\_\_\_

Approved: \_\_\_\_\_

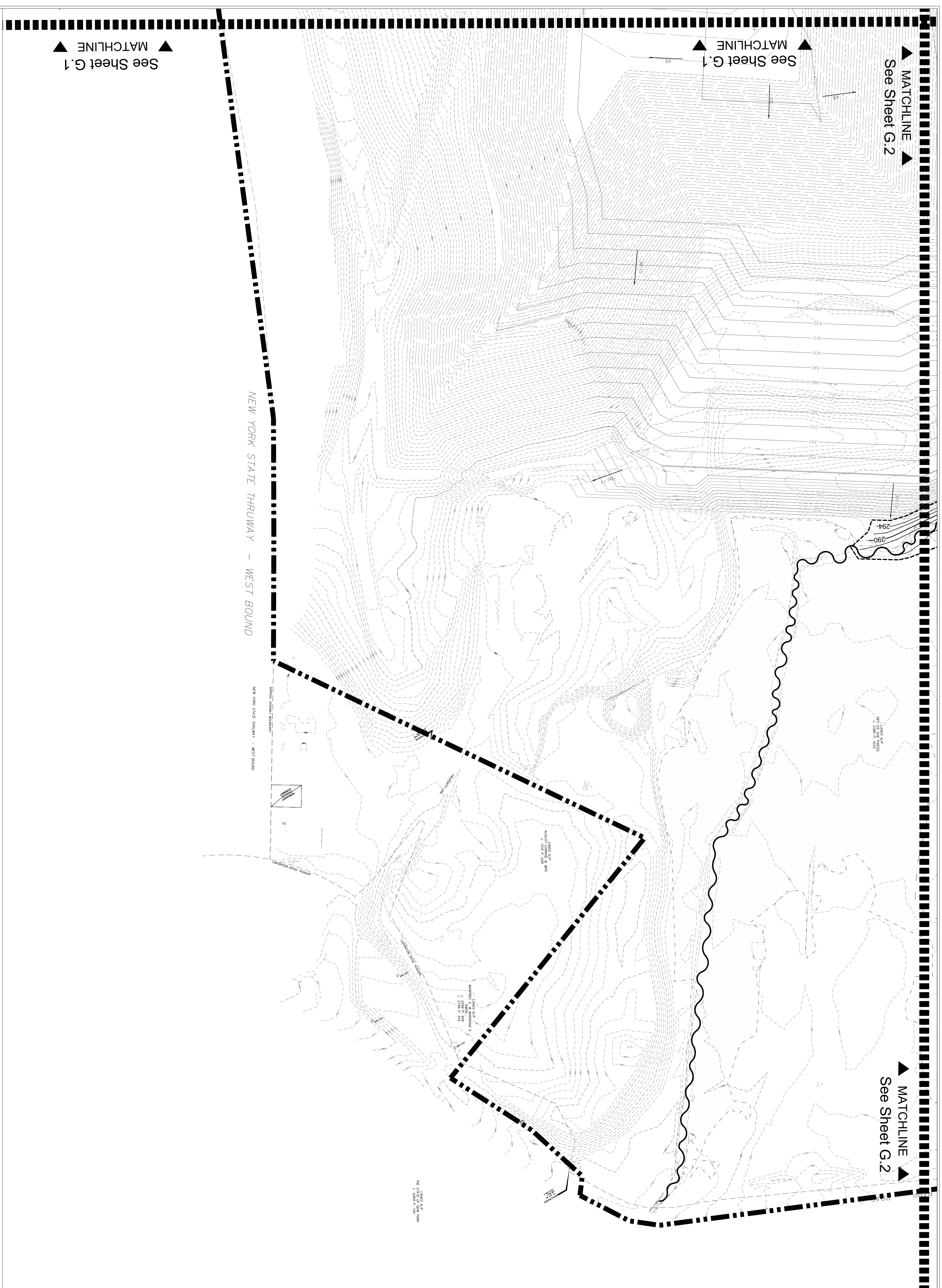
Drawn By: nrr

Pr.: ...Oswego...  
 Date: 08 June 2008  
 Coordinate System: NAD 83 State Plane, East (ft)



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G.0



▲ MATCHLINE ▲  
 See Sheet G.1

▲ MATCHLINE ▲  
 See Sheet G.1

▲ MATCHLINE ▲  
 See Sheet G.2

▲ MATCHLINE ▲  
 See Sheet G.2

**LEGEND**

- |  |                               |  |                           |
|--|-------------------------------|--|---------------------------|
|  | Site Boundary                 |  | Proposed Drainage Channel |
|  | Existing 10' Contours         |  | Proposed 10' Contours     |
|  | Existing 2' Contours          |  | Proposed 2' Contours      |
|  | Limits of Restoration Grading |  | Slope                     |
|  |                               |  | Wetland                   |

**IN PROGRESS  
 DO NOT USE FOR  
 CONSTRUCTION**

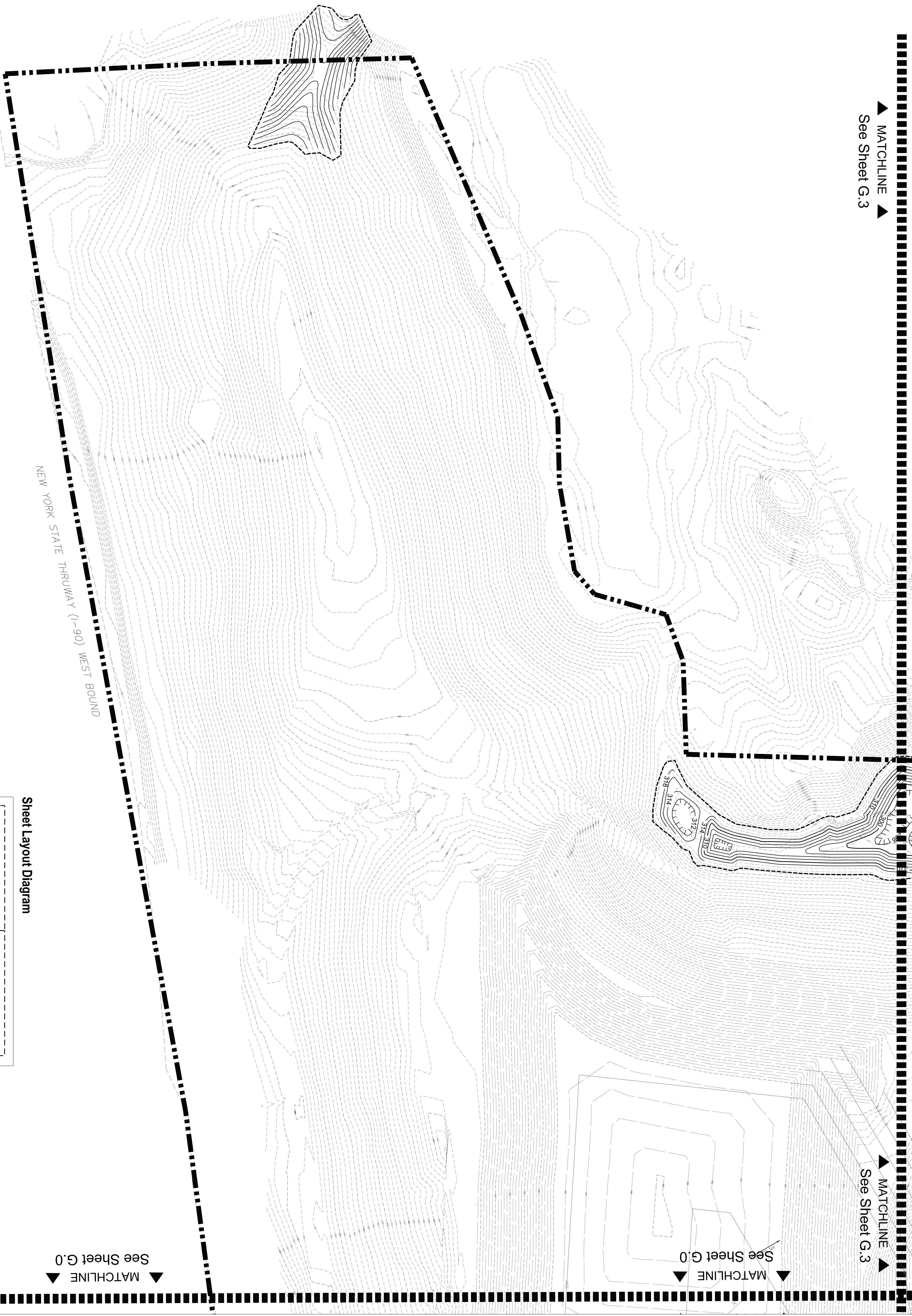


▲ MATCHLINE ▲  
See Sheet G.3

▲ MATCHLINE ▲  
See Sheet G.3

▲ MATCHLINE ▲  
See Sheet G.0

▲ MATCHLINE ▲  
See Sheet G.0

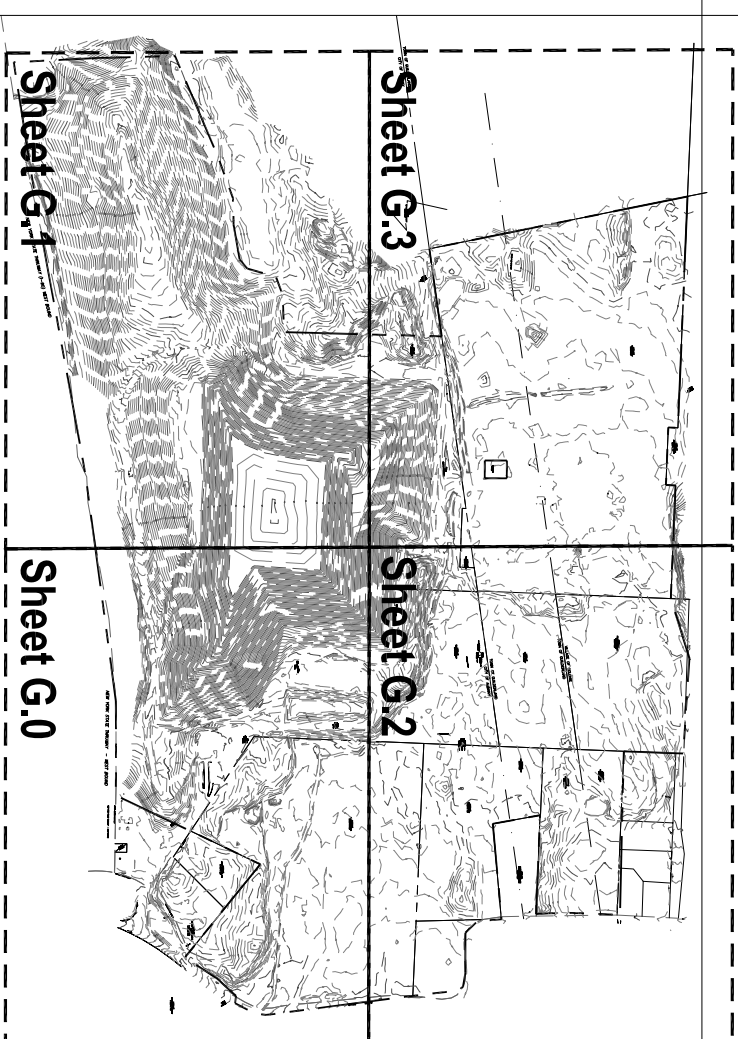


NEW YORK STATE THRUWAY (I-90) WEST BOUND

**LEGEND**

- Site Boundary
- Existing 10' Contours
- Existing 2' Contours
- Proposed 10' Contours
- Proposed 2' Contours
- Limits of Restoration Grading
- Proposed Drainage Channel
- Slope
- Wetland

**Sheet Layout Diagram**



- Notes:**
- Non-wetland areas of spoil piles to be stripped from current location and placed below final grade in areas of major earthwork.

**IN PROGRESS  
DO NOT USE FOR  
CONSTRUCTION**

**Albany Rapp Road Landfill**  
Albany, New York  
**City of Albany, Dept. of General Services**  
One Connors Blvd.  
Albany, New York

**Restoration  
Grading Plan  
(SW)**

**Revisions**

No.	Date	By	Description
No. 1	06 June 2008	BS, mrr	Describe 50% CD SW

No. 2	Date: 13 June 2008	By: mrr	Description: 50% CD SW
-------	--------------------	---------	------------------------

No. 3	Date: 26 June 2008	By: mrr	Description: 50% CD SW
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No. 4	Date: 02 September 2008	By: mrr	Description: 50% CD SW (Comments Revision)
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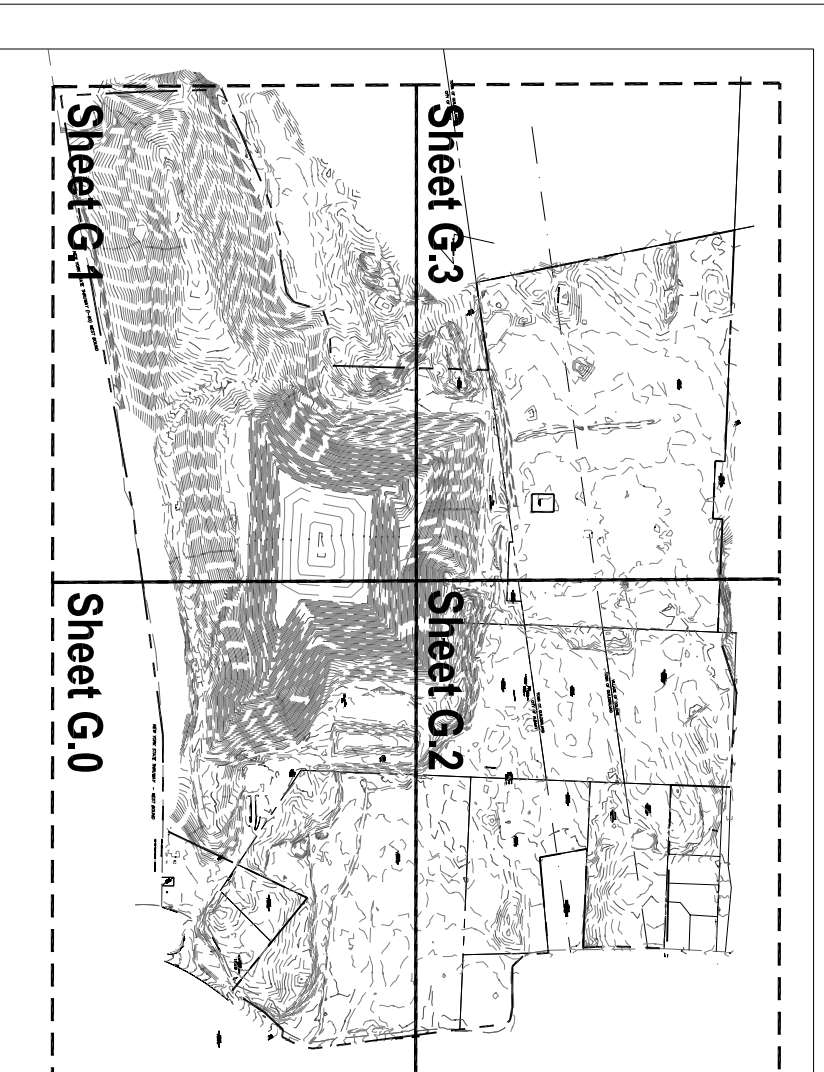
ALS Proj. #: 06-0500

Drawn by: mrr  
Approved:  
Title: ...  
Date: 06 June 2008  
Coordinate System: NAD 83 State Plane, East (ft)





Sheet Layout Diagram



**Albany Rapp Road Landfill**  
 Albany, New York  
**City of Albany, Dept. of General Services**  
 One Connors Blvd.  
 Albany, New York

**Restoration  
 Grading Plan  
 (NE)**

**REVISIONS**

No. 1	Date: 08 June 2008	By: nrr
Description: 50% CD Set		
No. 2	Date: 13 June 2008	By: nrr
Description: 50% CD Set		
No. 3	Date: 26 June 2008	By: nrr
Description: 50% CD Set		
No. 4	Date: 02 September 2008	By: nrr
Description: 50% CD Set DEC Comments Resolved		

Drawn by: nrr  
 Date: 08 June 2008

Checked by: nrr  
 Date: 08 June 2008

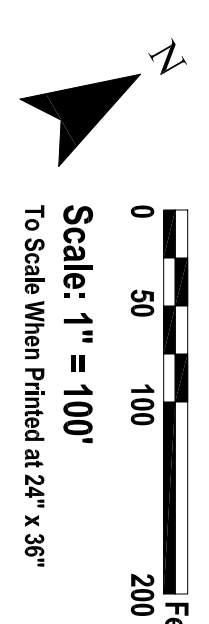
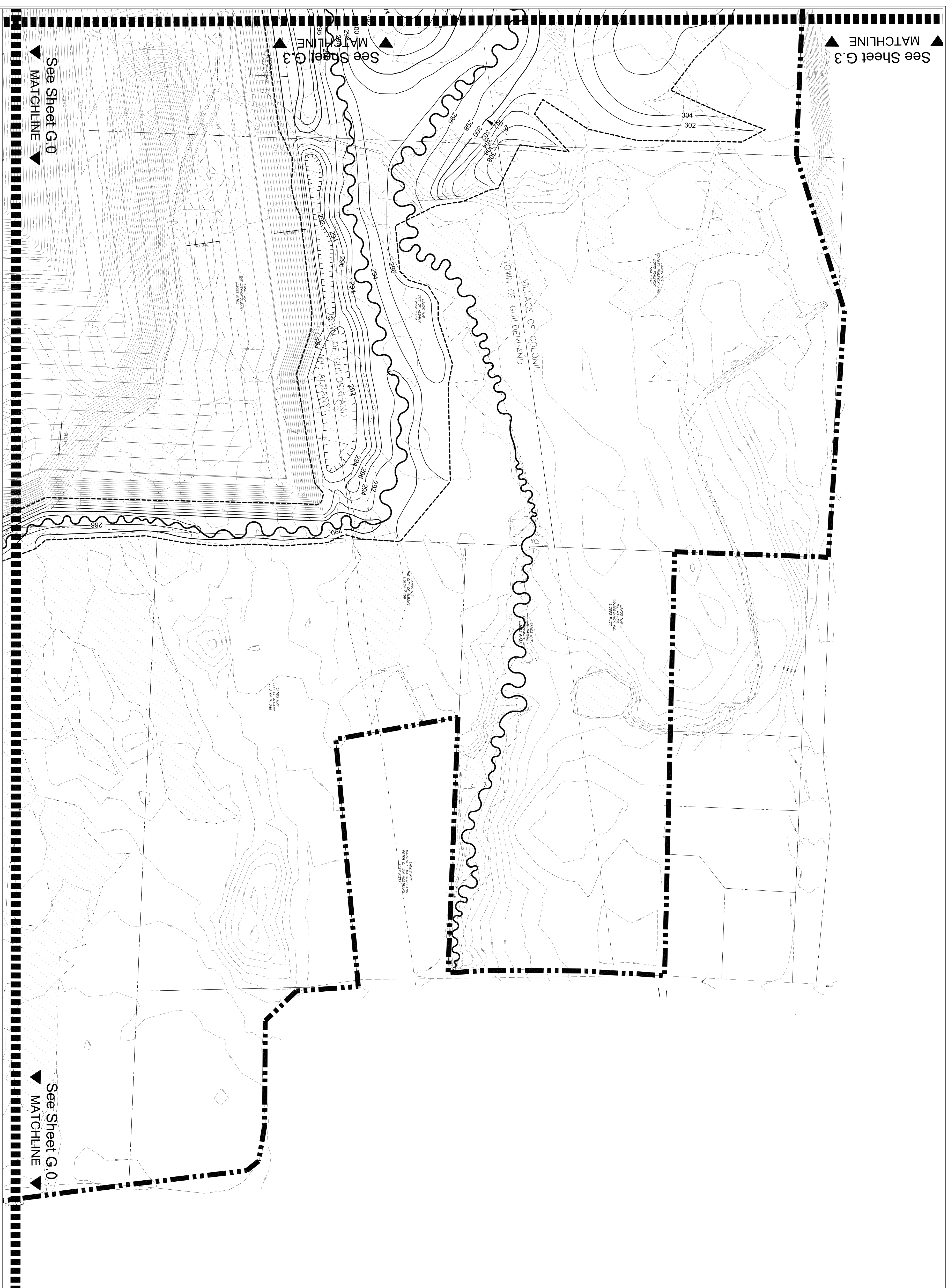
Approved by: nrr  
 Date: 08 June 2008

Project: ...  
 Coordinates System: NAD 83  
 Units: Feet  
 Date: 08 June 2008

**CWA**  
 COLONIE WATER & ASSOCIATES LTD.  
 11724 Smith Road, P.O. Box 225  
 Colonie, NY 12108  
 Phone: (518) 887-8841 Fax: (518) 887-8488  
 www.cwa.com  
 Email: info@appliedecological.com

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 Colonie, NY 12108  
 Phone: (518) 887-8841 Fax: (518) 887-8488  
 www.appliedecological.com  
 Email: info@appliedecological.com

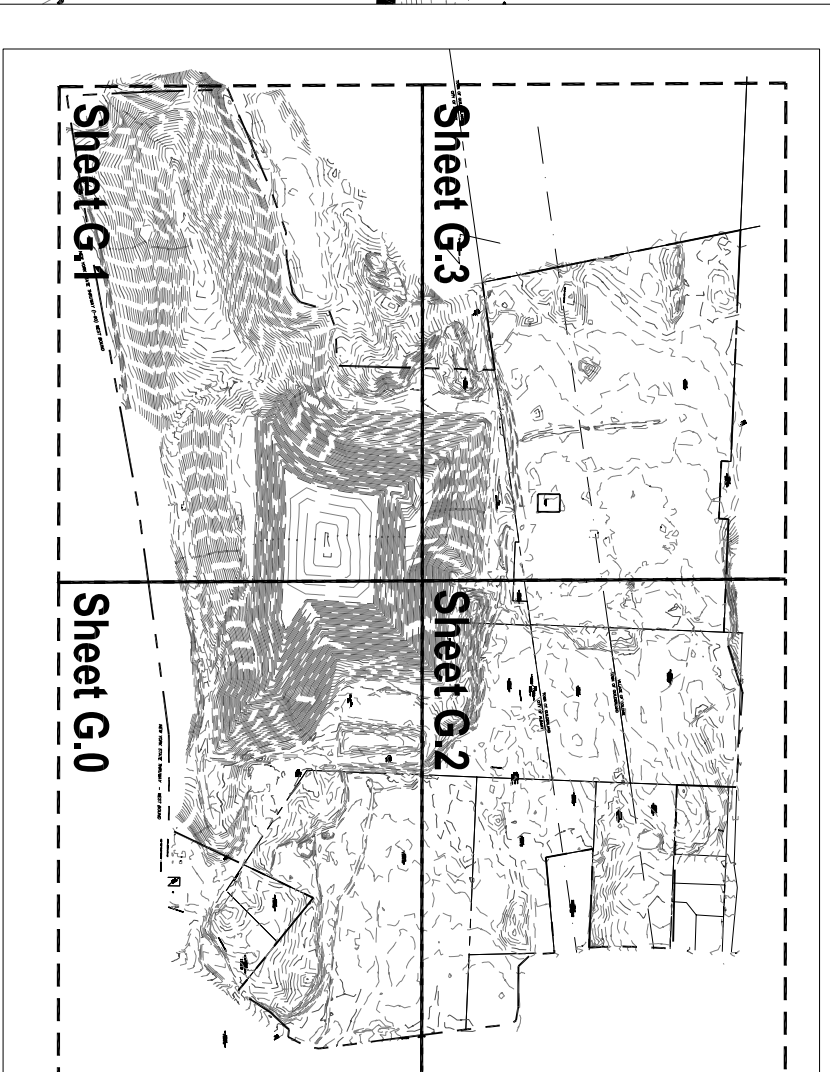
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 CONSTRUCTION**



- LEGEND**
- Site Boundary
  - Existing 10' Contours
  - Existing 2' Contours
  - Proposed 10' Contours
  - Proposed 2' Contours
  - Limits of Restoration Grading
  - Proposed Drainage Channel
  - Slope
  - Wetland



Sheet Layout Diagram



**Albany Rapp Road Landfill**  
 Albany, New York  
**City of Albany, Dept. of General Services**  
 One Connors Blvd.  
 Albany, New York

**Restoration  
 Grading Plan  
 (NW)**

REVISIONS	Date	By
No. 1	Date: 06 June 2008	By: nrr
Description: 80% CD Set		

No. 2	Date: 13 June 2008	By: nrr
Description: 80% CD Set		

No. 3	Date: 26 June 2008	By: nrr
Description: 80% CD Set		

No. 4	Date: 02 September 2008	By: nrr
Description: 80% CD Set DEC Comments Resubmit		

ALS Proj. #: 06-0560

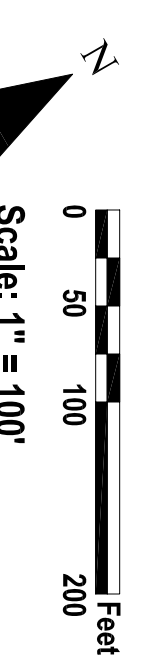
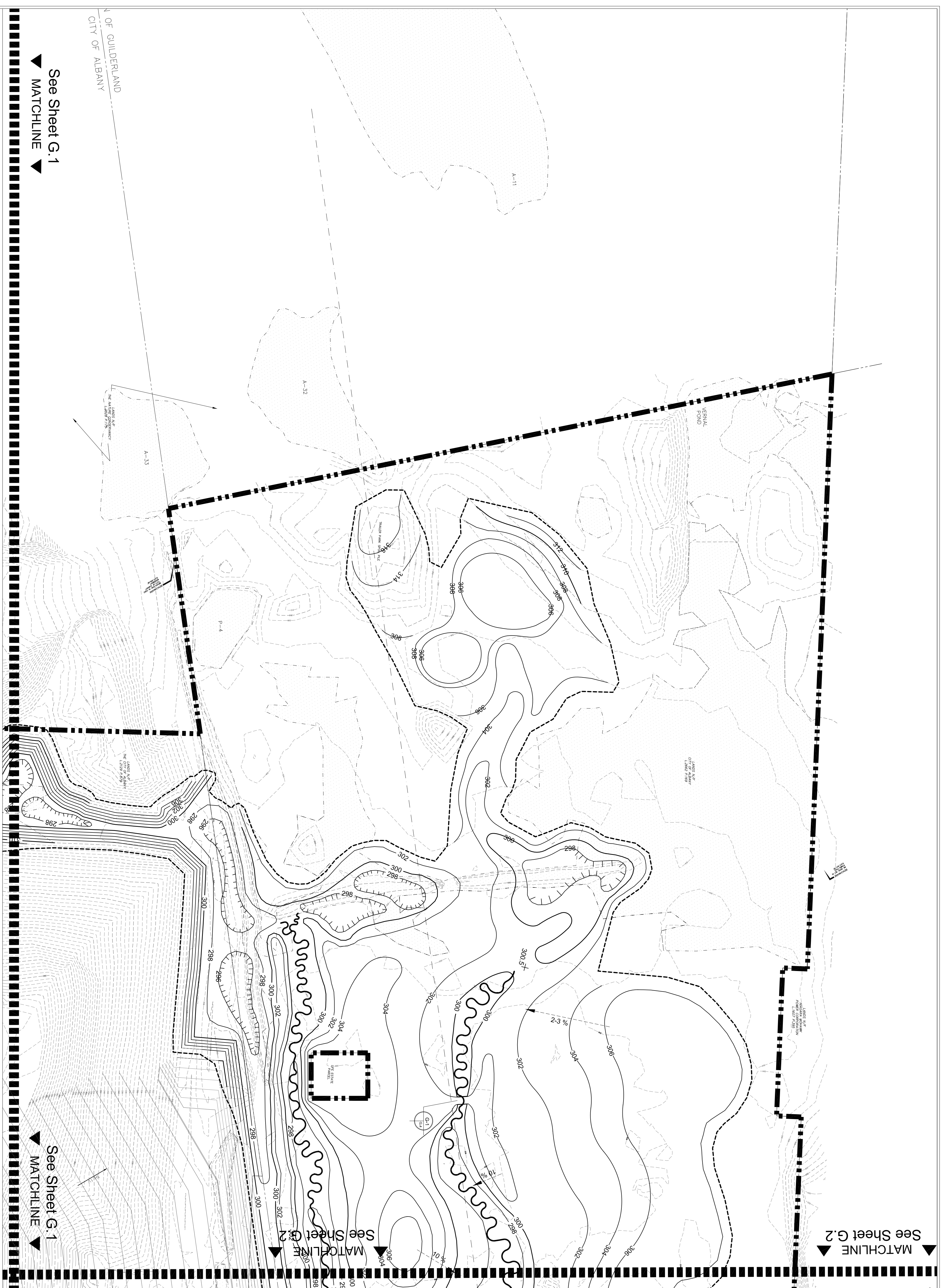
Checked:  
 Approved:  
 Drawn By: nrr  
 Title: ...Construction Rehabilitation (Design) Plan  
 Date: 06 June 2008  
 Coordinate System: NAD 83 State Plane, East (ft)

**CMA**  
 CONSULTANTS & ASSOCIATES LLP  
 17241 South Road, P.O. Box 225  
 Albany, NY 12212-0225  
 Phone: (518) 887-2841 Fax: (518) 887-2488  
 www.cma-nyc.com  
 Email: info@cmakon.com

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 Albany, NY 12212-0225  
 Phone: (518) 887-2841 Fax: (518) 887-2488  
 www.aesinc.com  
 Email: info@aesinc.com

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 Sheet Number

G.3

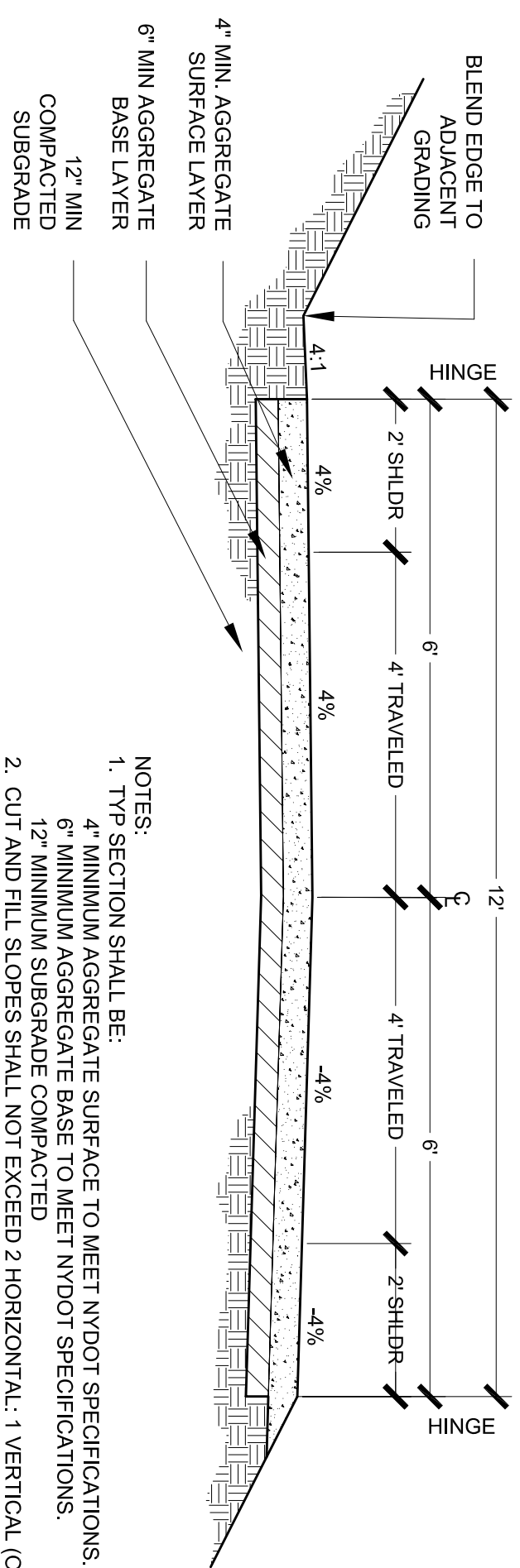


**LEGEND**

	Site Boundary		Proposed 10' Contours		Proposed Drainage Channel
	Existing 10' Contours		Proposed 2' Contours		Slope
	Existing 2' Contours		Limits of Restoration Grading		Wetland

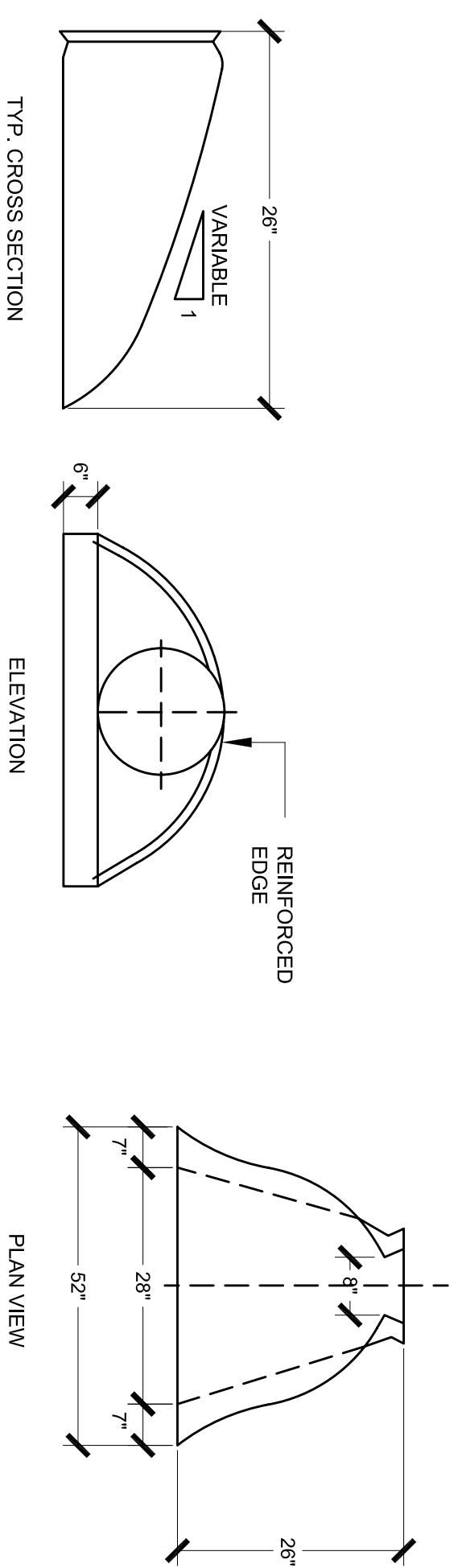
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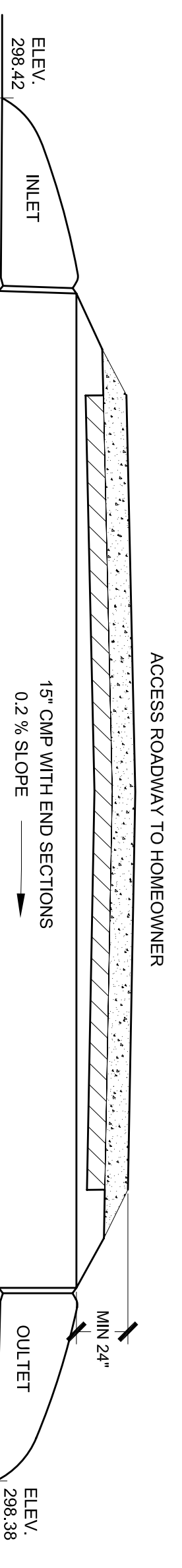


- NOTES:
1. TYP SECTION SHALL BE:
  2. 4' MINIMUM AGGREGATE SURFACE TO MEET NYDOT SPECIFICATIONS.
  3. 6' MINIMUM AGGREGATE BASE TO MEET NYDOT SPECIFICATIONS.
  4. 12" MINIMUM COMPACTED SUBGRADE TO MEET NYDOT SPECIFICATIONS.
  5. CUT AND FILL OPERATIONS SHALL EXCEED 2 HORIZONTAL: 1 VERTICAL (OR 3:1) IN NATIVE SAND) WITHOUT PRIOR APPROVAL BY THE OWNER.
  6. THE PROJECT ENGINEER SHALL ACCOMMODATE FOR ROADSIDE DRAINAGE SUCH THAT IT DOES NOT ERODE THE AGGREGATE SHOULDER. THE SIDE SLOPE OF ANY DRAINAGE SWALE DIRECTLY ADJACENT TO THE EDGE OF ROADWAY SHALL NOT EXCEED 4H:1V. DESIGN AND CONSTRUCTION SHALL BE TO THE SATISFACTION OF THE OWNER.

**G.4** ACCESS ROADWAY TO HOMEOWNER  
Scale: NTS



**G.4** 15' CMP CULVERT END SECTION DETAIL  
Scale: NTS



**G.4** 15' CMP CULVERT CROSS SECTION  
Scale: NTS

**Albany Rapp Road Landfill**  
Albany, New York  
**City of Albany, Dept. of General Services**  
One Connors Blvd.  
Albany, New York

Restoration  
Grading  
Details

Revisions	Date	By
No. 1	Date: 08 June 2008	By: nrr
Description: 90% CD Set		

No. 2	Date: 13 June 2008	By: nrr
Description: 90% CD Set		

No. 3	Date: 26 June 2008	By: nrr
Description: 90% CD Set		

No. 4	Date: 02 September 2008	By: nrr
Description: 90% CD Set (DC Comments Resolved)		

ALS Proj. #: 06-0560

Checked:	
Approved:	
Drawn By:	nrr
File:	...Construction 2008.rvt (Design/PA.dwg)
Date:	08 June 2008
Coordinate System:	NAD 83 State Plane, East (ft)



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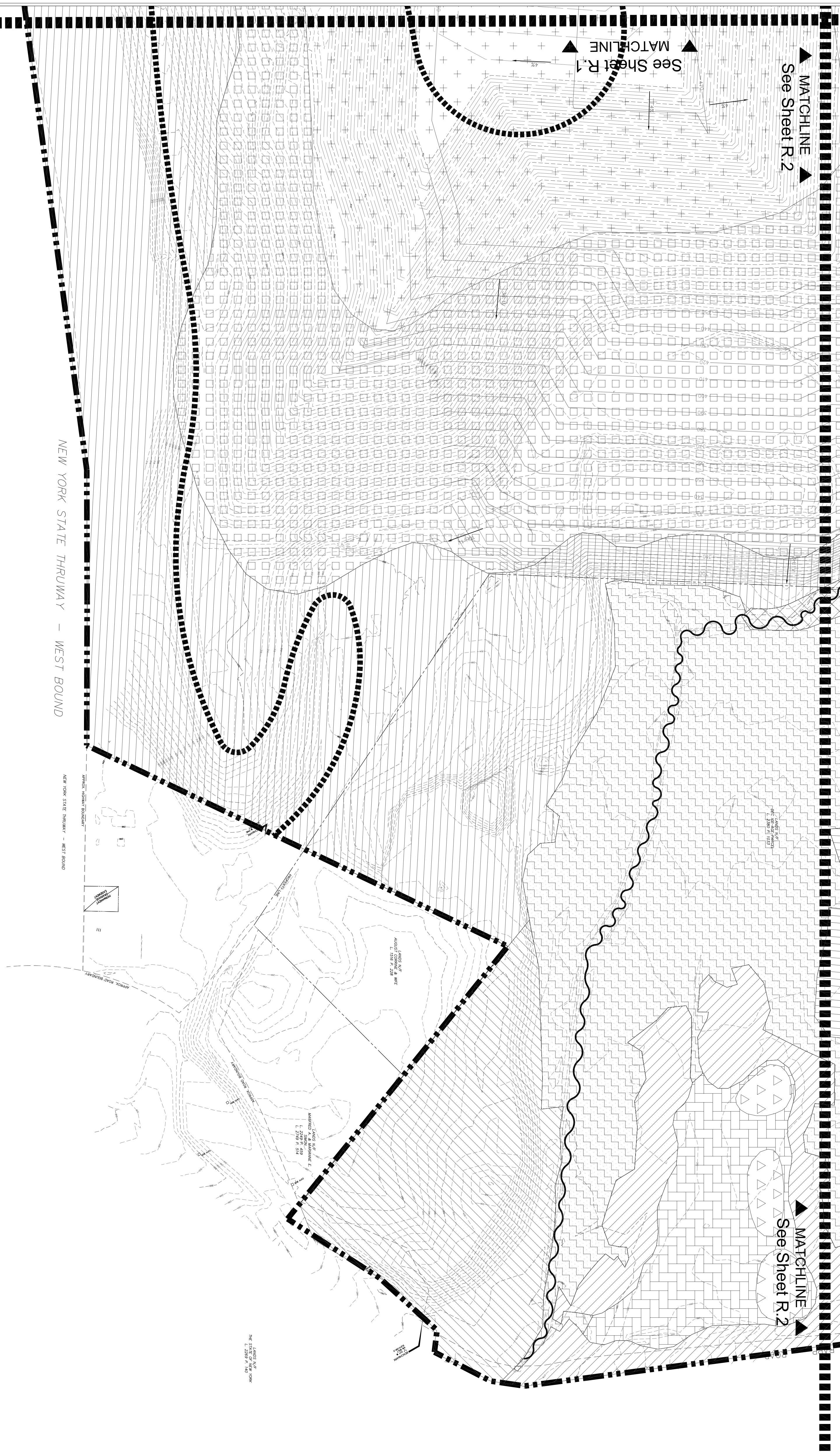


▲ MATCHLINE  
See Sheet R.2

▲ MATCHLINE  
See Sheet R.2

▲ MATCHLINE  
See Sheet R.1

▲ MATCHLINE  
See Sheet R.1



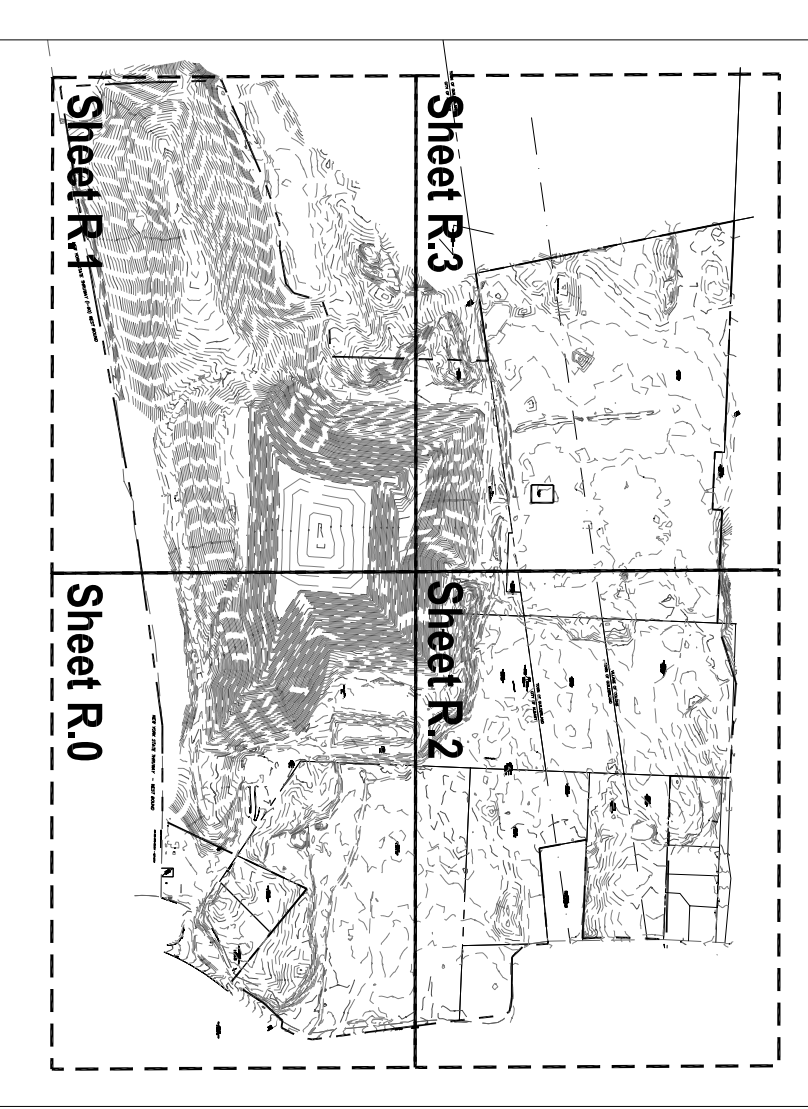
**LEGEND**

- Project Limit Line
- Wetland Boundary
- Trail
- Upland Grassland Communities  
Dry Prairie/Sand Flat  
47.28 AC
- Kerner Blue Butterfly Stepping Stone  
0.56 AC
- Dune  
1.92 AC
- Dune/Barren  
2.07 AC
- Upland Forest Communities  
Pitch Pine / Scrub Oak Thicket  
42.11 AC
- Pitch Pine / Oak Forest  
3.07 AC
- Pitch Pine / Oak Forest Buffer Enhancement  
32.02 AC
- Pitch Pine / Oak Forest Buffer Enhancement  
(highly degraded)  
76.42 AC
- Wetland Communities  
Biotifier Wetland  
1.41 AC
- Bog  
1.04 AC
- Sedge Meadow  
0.76 AC
- Forested Wetland Enhancement  
(Red Maple Hardwood Swamp)  
27.30 AC
- Forested Riparian Wetland  
(Red Maple Hardwood Swamp)  
7.44 AC
- Forested Wetland  
(Red Maple Hardwood Swamp)  
15.36 AC



- Notes:
1. Acreages identified in legend summarize total project acreage.

Sheet Layout Diagram



**Albany Rapp Road Landfill**  
Albany, New York  
**City of Albany, Dept. of General Services**  
One Connors Blvd.  
Albany, New York

**Restoration Plan (SE)**

Revisions	Date	By	mm
No. 1	Date: 08 June 2008	By: mm	mm
Description: 90% CD Set			
No. 2	Date: 13 June 2008	By: mm	mm
Description: 90% CD Set			
No. 3	Date: 26 June 2008	By: mm	mm
Description: 90% CD Set			
No. 4	Date: 02 September 2008	By: mm	mm
Description: 90% CD Set DEC Comments Revision			

SES Proj. #: 06-0509

Created:

Approved:

Drawn by: mm

File: ...:D:\restoration\_2008\landfill\_Chang68\_PFA.dwg

Date: 08 June 2008

Coordinate System: NAD 83 State Plane, East (ft)

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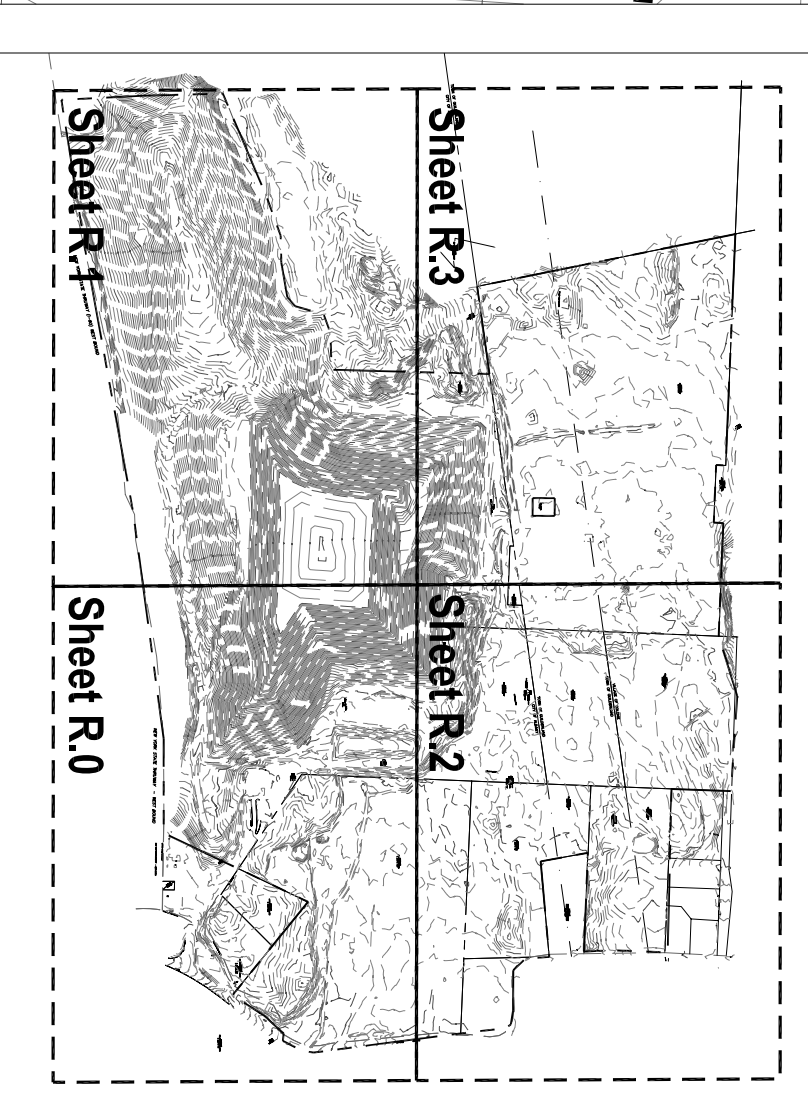


▲ MATCHLINE ▲  
See Sheet R.3

▲ MATCHLINE ▲  
See Sheet R.3

Notes:  
1. Acreages identified in legend summarize total project acreage.

Sheet Layout Diagram



**Albany Rapp Road Landfill**  
Albany, New York  
**City of Albany, Dept. of General Services**  
One Connors Blvd.  
Albany, New York

**Restoration Plan (SW)**

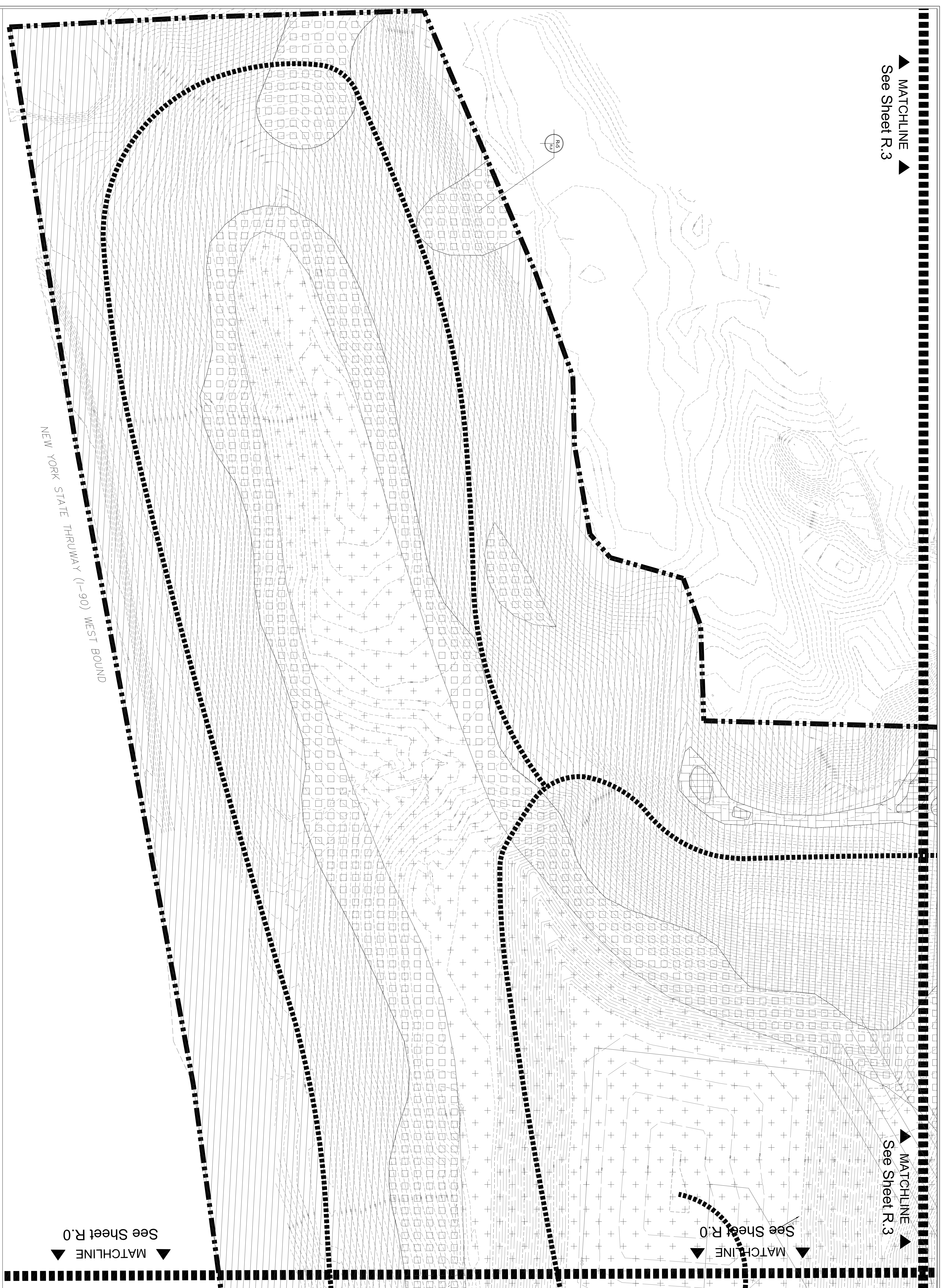
Revisions	Date	By
No. 1	Date: 06 June 2008	By: nrr
Description: 90% CD Set		
No. 2	Date: 13 June 2008	By: nrr
Description: 90% CD Set		
No. 3	Date: 26 June 2008	By: nrr
Description: 90% CD Set		
No. 4	Date: 02 September 2008	By: nrr
Description: 90% CD Set DEC Comments Resolved		

ALS Proj. #: 06-0500  
 Checked:  
 Approved:  
 Drawn By: nrr  
 Title: ...Construction 2008swet... (2008) Paving  
 Date: 06 June 2008  
 Coordinate System: NAD 83 State Plane, East (ft)

**CMA**  
 COLLETTI MANNING & ASSOCIATES LLP  
 11701 Sunnyside Blvd., Suite 200  
 Sunnyside, NY 11354-2000  
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**Applied Ecological Services, Inc.**  
 11701 Sunnyside Blvd., P.O. Box 225  
 Sunnyside, NY 11354-0225  
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 Email: info@aesonline.com

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 Sheet Number  
**R.1**



NEW YORK STATE THRUWAY (I-90) WEST BOUND

▲ MATCHLINE ▲  
See Sheet R.0

**LEGEND**

	Project Limit Line		Dry Prairie/Sand Flat 47.28 AC
	Wetland Boundary		Kammer Blue Butterfly Stepping Stone 0.56 AC
	Trail		Dune 1.92 AC
			Dune/Barren 2.07 AC

	Pitch Pine / Scrub Oak Thicket 42.11 AC		Briartiller Wetland 1.41 AC
	Pitch Pine / Oak Forest 3.07 AC		Bog 1.04 AC
	Pitch Pine / Oak Forest Buffer Enhancement 32.02 AC		Sedge Meadow 0.76 AC
	Pitch Pine / Oak Forest Buffer Enhancement (highly degraded) 76.42 AC		Forested Wetland (Red Maple Hardwood Swamp) 27.30 AC
			Forested Riparian Wetland (Red Maple Hardwood Swamp) 7.44 AC

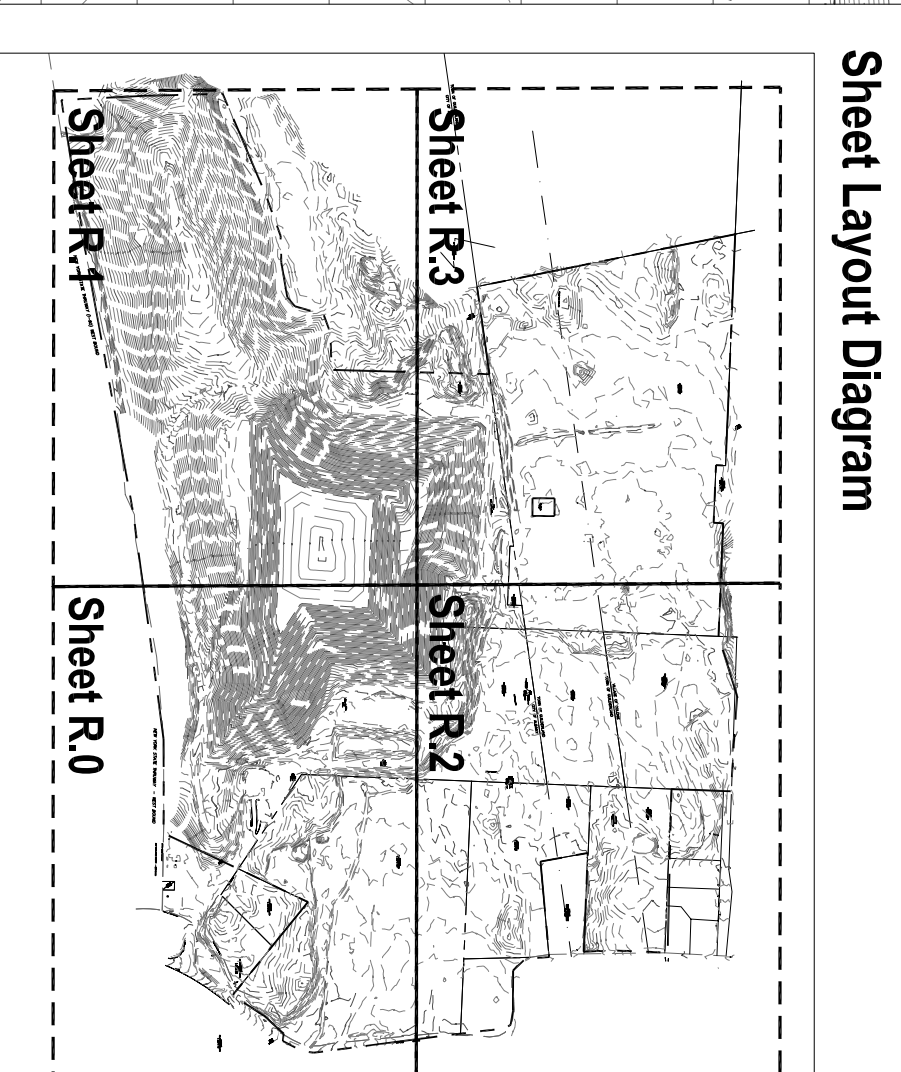
**IN PROGRESS  
DO NOT USE FOR  
CONSTRUCTION**







- Notes:  
1. Acreages identified in legend summarize total project acreage.



**Albany Rapp Road Landfill**  
Albany, New York  
City of Albany, Dept. of General Services  
One Connors Blvd.  
Albany, New York

**Restoration Plan (NW)**

Revisions	Date	By
No. 1	Date: 06 June 2008	By: nrr
Description: 50% CD Set		

No. 2	Date: 13 June 2008	By: nrr
Description: 50% CD Set		

No. 3	Date: 26 June 2008	By: nrr
Description: 50% CD Set		

No. 4	Date: 02 September 2008	By: nrr
Description: 50% CD Set DEC Comments Revision		

ALS Proj. #: 06-0590

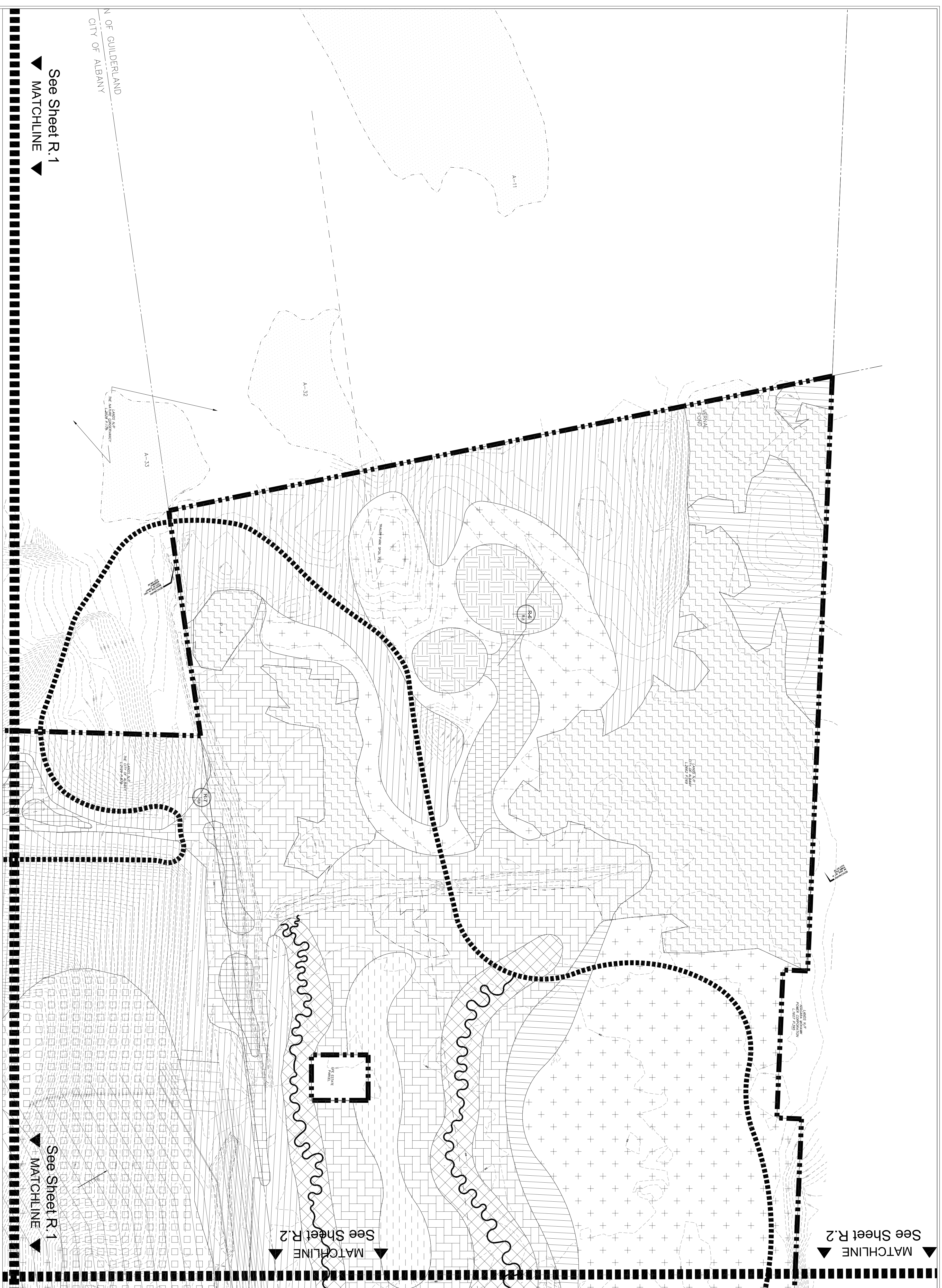
Drawn by: nrr  
Approved: nrr  
Title: "Construction Follow-up" (Design) Plan  
Date: 06 June 2008  
Coordinate System: NAD 83 State Plane, East (ft)



**Applied Ecological Services, Inc.**  
17724 State Road, P.O. Box 228  
Plymouth, NY 14551  
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R.3



- LEGEND**
- Project Limit Line
  - Wetland Boundary
  - Trail
- Upland Grassland Communities**
- Dry Prairie/Sand Flat 47.28 AC
  - Karner Blue Butterfly Stepping Stone 0.56 AC
  - Dune 1.92 AC
  - Dune/Barren 2.07 AC
- Upland Forest Communities**
- Pitch Pine / Scrub Oak Thicket 42.11 AC
  - Pitch Pine / Oak Forest 3.07 AC
  - Pitch Pine / Oak Forest Buffer Enhancement 32.02 AC
  - Pitch Pine / Oak Forest Buffer Enhancement (highly degraded) 76.42 AC
- Wetland Communities**
- Biotiller Wetland 1.41 AC
  - Bog 1.04 AC
  - Sedge Meadow 0.76 AC
  - Forested Wetland Enhancement (Red Maple Hardwood Swamp) 27.30 AC
  - Forested Riparian Wetland (Red Maple Hardwood Swamp) 7.44 AC
  - Forested Wetland (Red Maple Hardwood Swamp) 15.36 AC

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CONSTRUCTION**









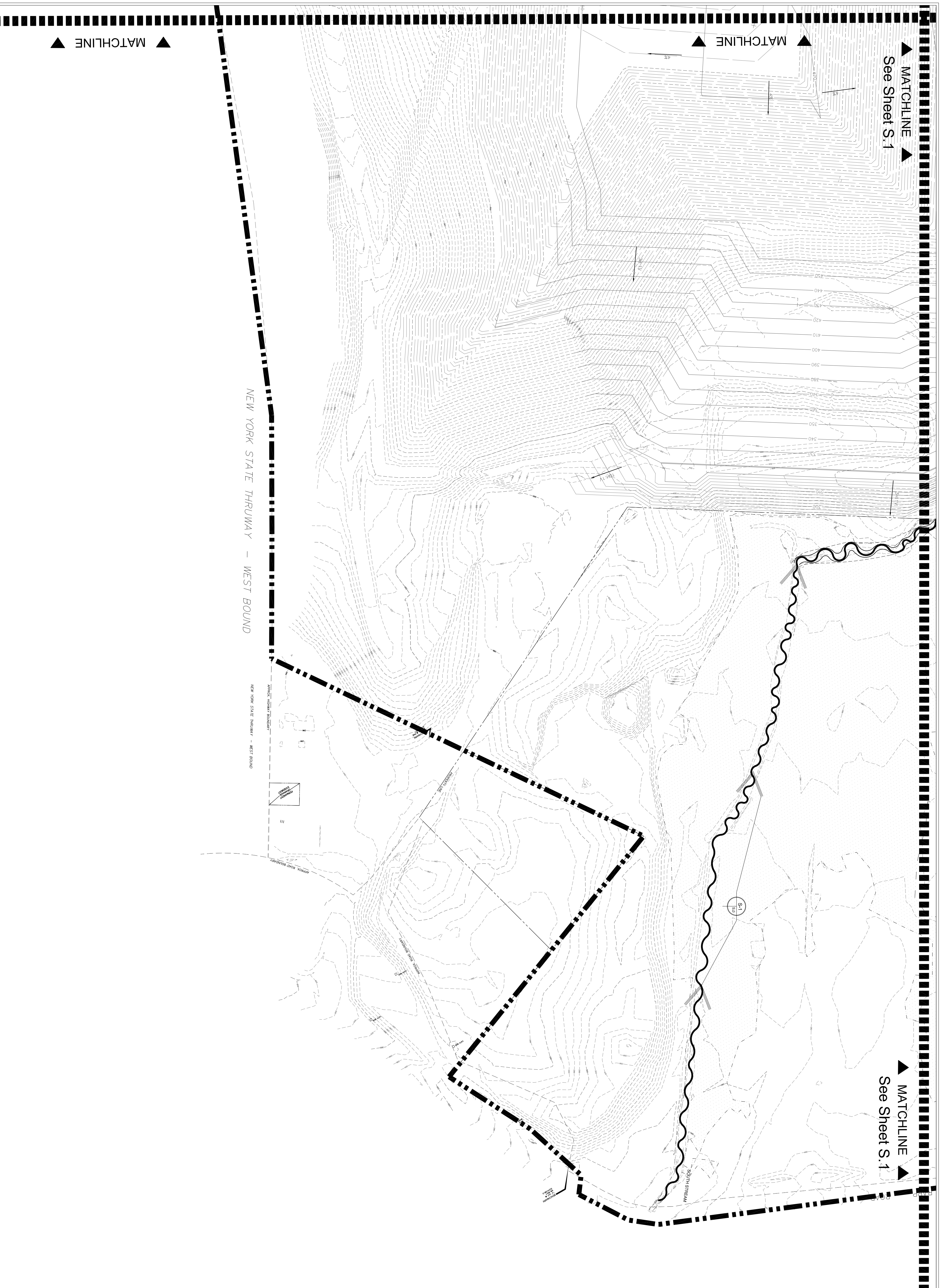






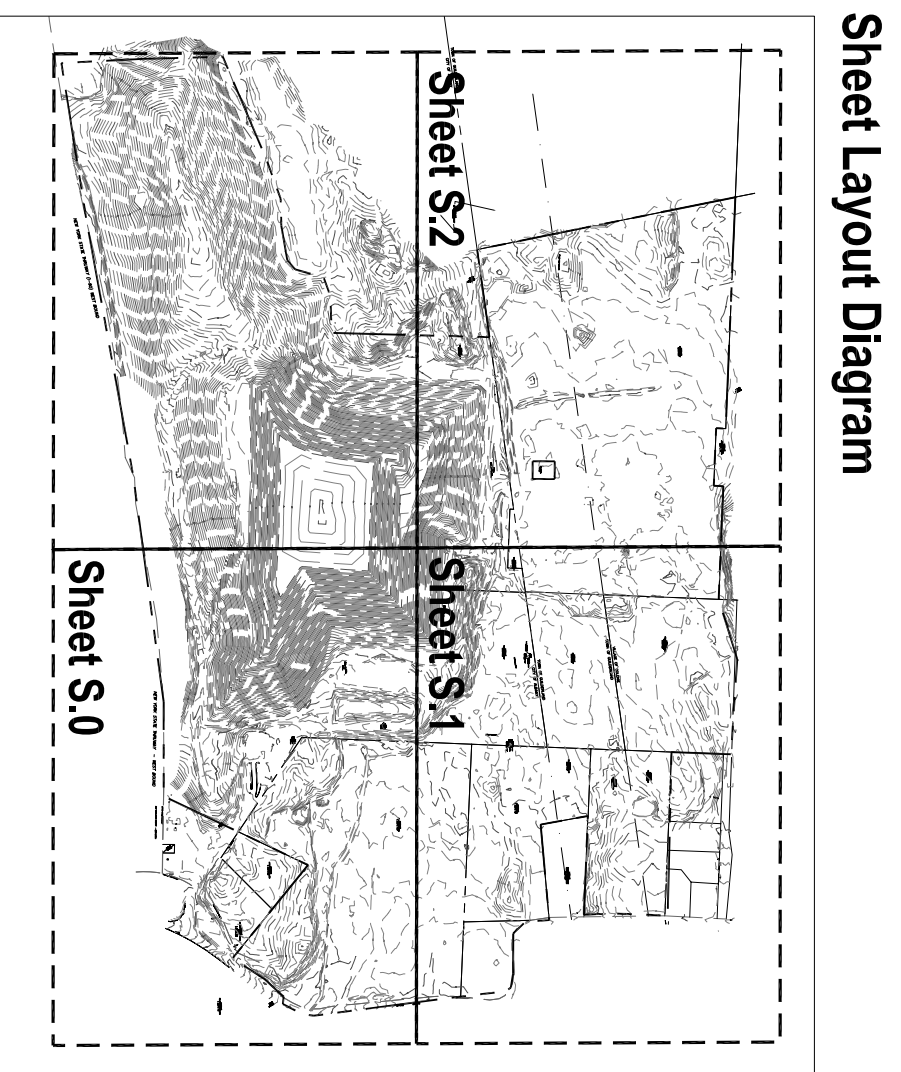






**LEGEND**

	Projected Boundary		Wetland		Normal Water Level (NWL)		Stream Floodplain
	Existing 2' Contours		Proposed 2' Contours		High Water Level (HWL)		Log Vein Grade Control Structure
	Existing 10' Contours		Proposed 10' Contours		Bankfull Level (Bk)		



**Albany Rapp Road Landfill**  
 Albany, New York  
**City of Albany, Dept. of General Services**  
 One Connors Blvd.  
 Albany, New York

**Stream  
 Restoration Plan  
 (SE)**

Revisions	Date	By
No. 1	Date: 08 June 2008	By: nrr
Description: 50% CD Set		
No. 2	Date: 13 June 2008	By: nrr
Description: 50% CD Set		
No. 3	Date: 26 June 2008	By: nrr
Description: 50% CD Set		
No. 4	Date: 02 September 2008	By: nrr
Description: 50% CD Set DEC Comments Revision		

ALS Proj. #: 06-0560

Checked: \_\_\_\_\_

Approved: \_\_\_\_\_

Drawn By: nrr

File: ...:Osweston\_2008set\_12aug08\_P1.dwg

Date: 08 June 2008

Coordinate System: NAD 83 State Plane, East (ft)

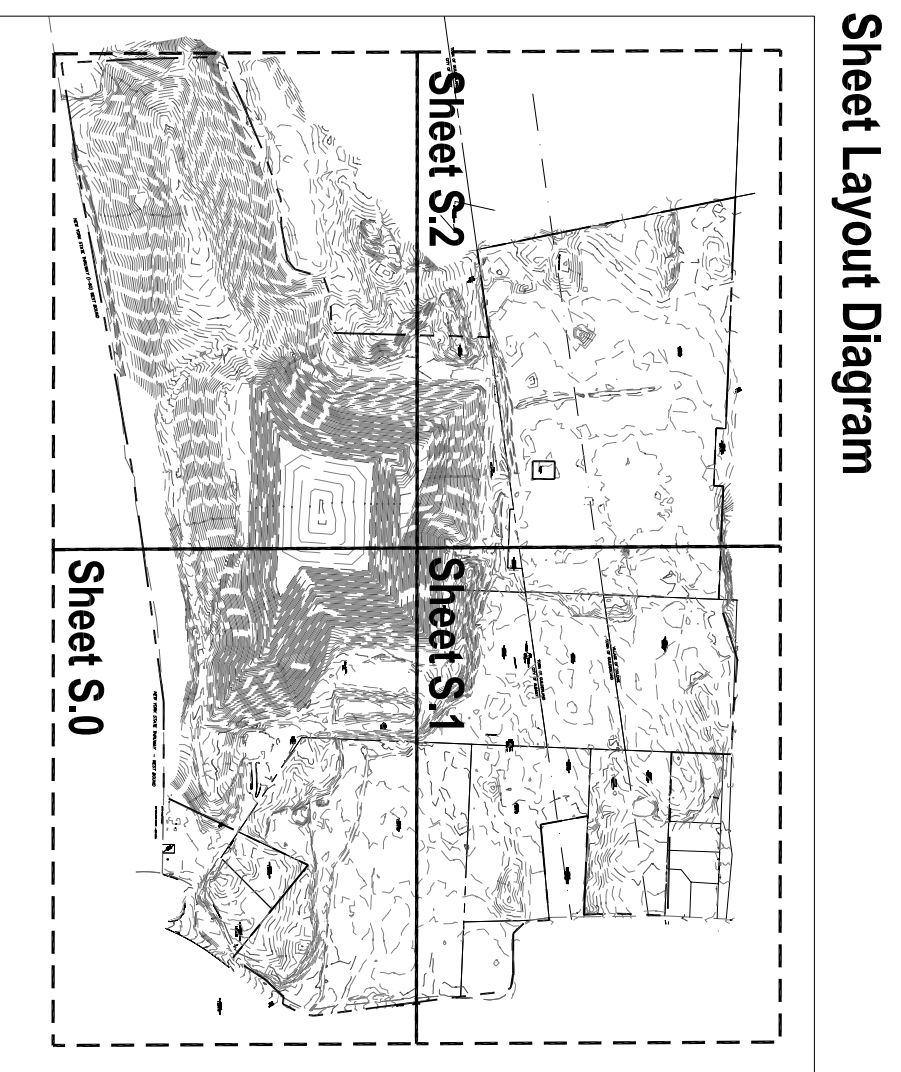
**CH2M**  
 CONSULTING AND ASSOCIATES LLP  
 11721 South Road, P. O. Box 225  
 Phoenix, AZ 85024-0225  
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 Email: info@aes.com

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 CONSTRUCTION**



Notes:  
1.



**Albany Rapp Road Landfill**  
Albany, New York  
**City of Albany, Dept. of General Services**  
One Connors Blvd.  
Albany, New York

**Stream  
Restoration Plan  
(NE)**

Revisions	Date	By
No. 1	06 June 2008	nr
Description: 50% CD Set		

No. 2	13 June 2008	nr
Description: 50% CD Set		

No. 3	26 June 2008	nr
Description: 50% CD Set		

No. 4	02 September 2008	nr
Description: 50% CD Set Comments Revision		

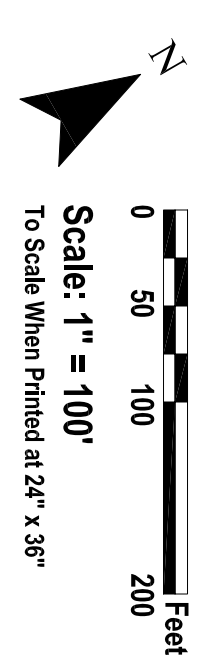
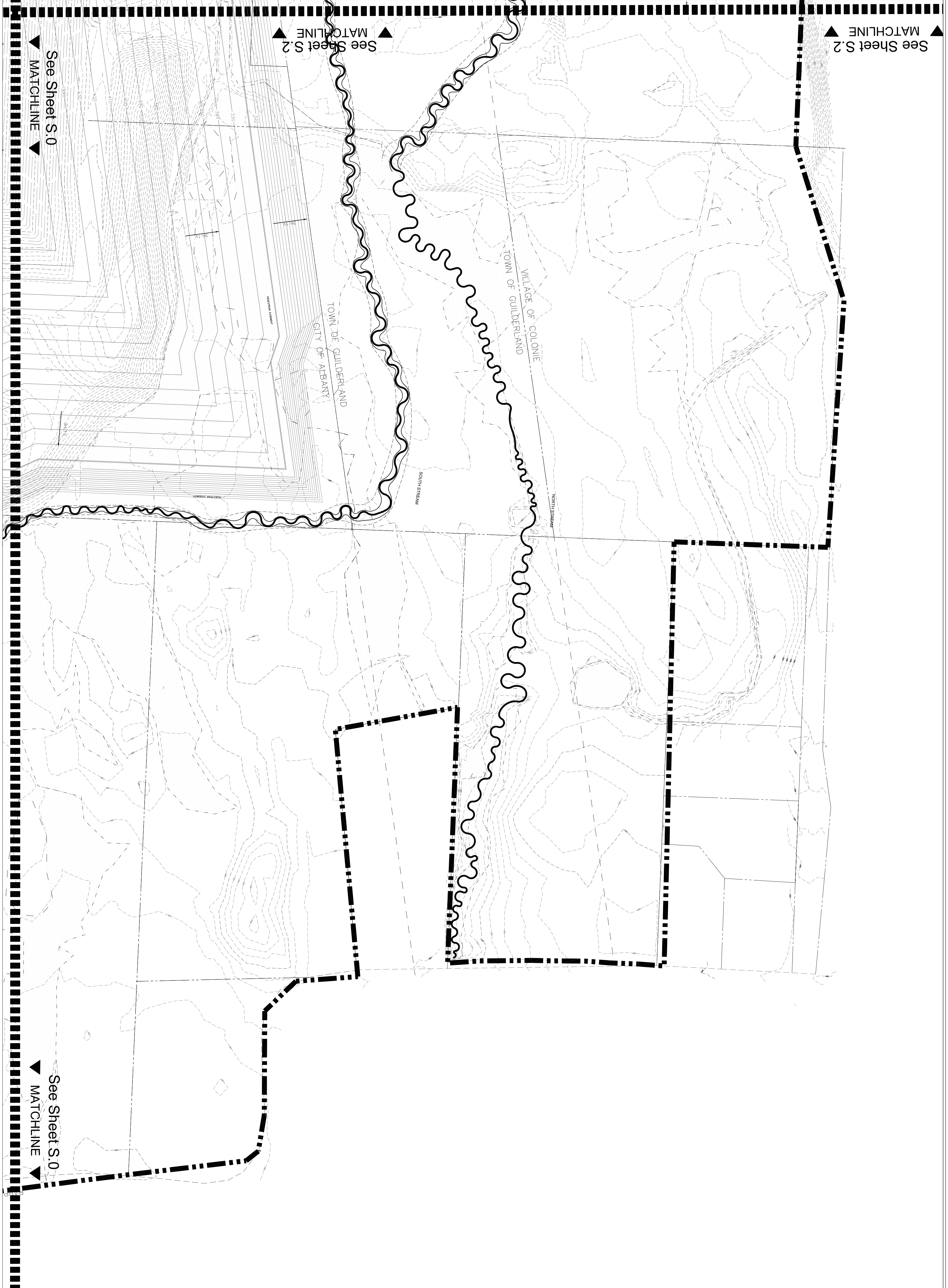
ALS Proj. #: 06-0500

Checked: \_\_\_\_\_  
Approved: \_\_\_\_\_  
Drawn by: nr  
Title: "Construction 2008" - (Design) P.L. Aug  
Date: 06 June 2008  
Coordinate System: NAD 83 State Plane, East (ft)

**CMA**  
CORPORATION & ASSOCIATES LLP  
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Sheet Number  
**S.1**



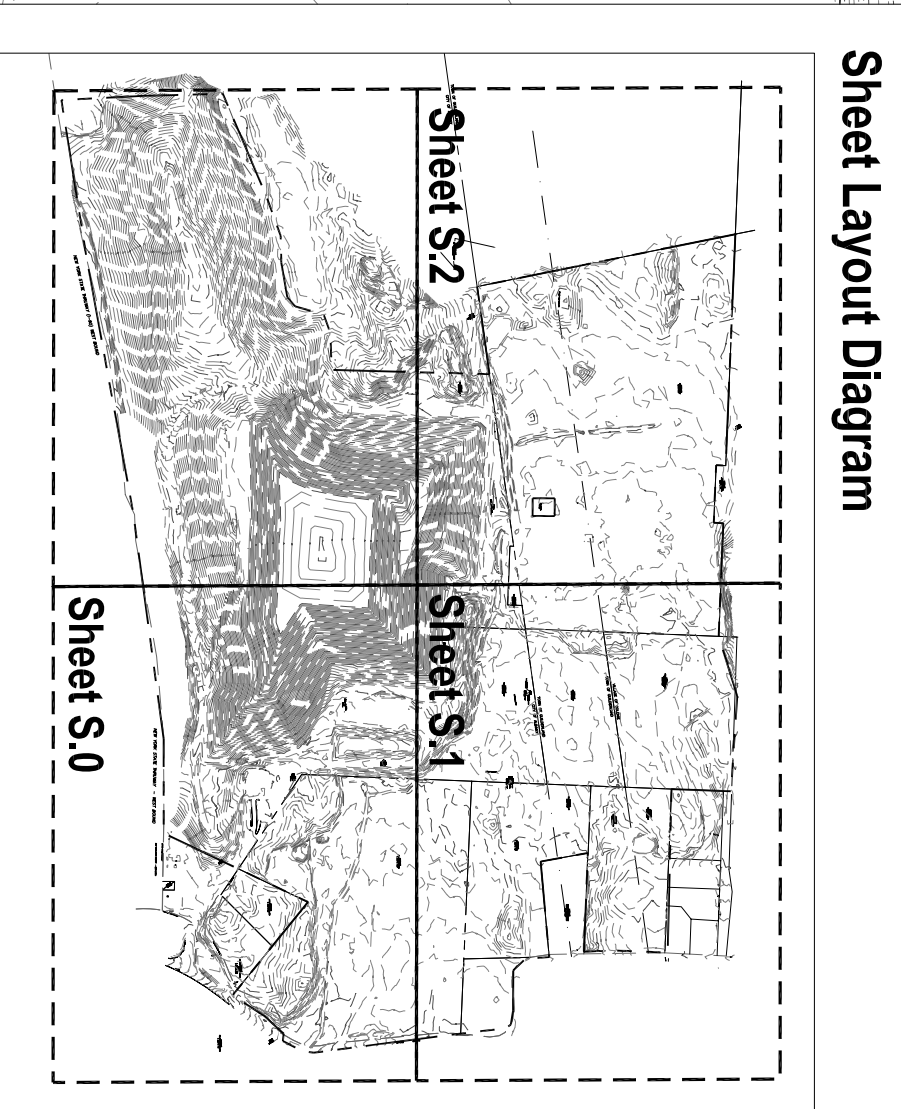
**LEGEND**

	Projected Boundary		Wetland		Normal Water Level (NWL)		Stream Floodplain
	Existing 2' Contours		Proposed 2' Contours		High Water Level (HWL)		Log Vein Grade Control Structure
	Existing 10' Contours		Proposed 10' Contours		Bankfull Level (Bk)		

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Notes:  
1.



**Albany Rapp Road Landfill**  
Albany, New York  
**City of Albany, Dept. of General Services**  
One Connors Blvd.  
Albany, New York

**Stream  
Restoration Plan  
(NW)**

Revisions	Date	By
No. 1	Date: 08 June 2008	By: nrr
Description: 50% CD Set		

No. 2	Date: 13 June 2008	By: nrr
Description: 50% CD Set		

No. 3	Date: 26 June 2008	By: nrr
Description: 50% CD Set		

No. 4	Date: 02 September 2008	By: nrr
Description: 50% CD Set DEC Comments Resolved		

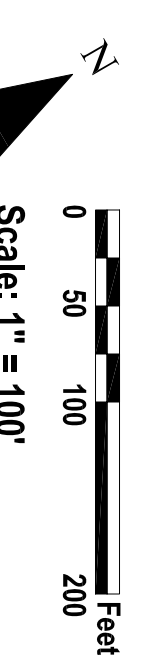
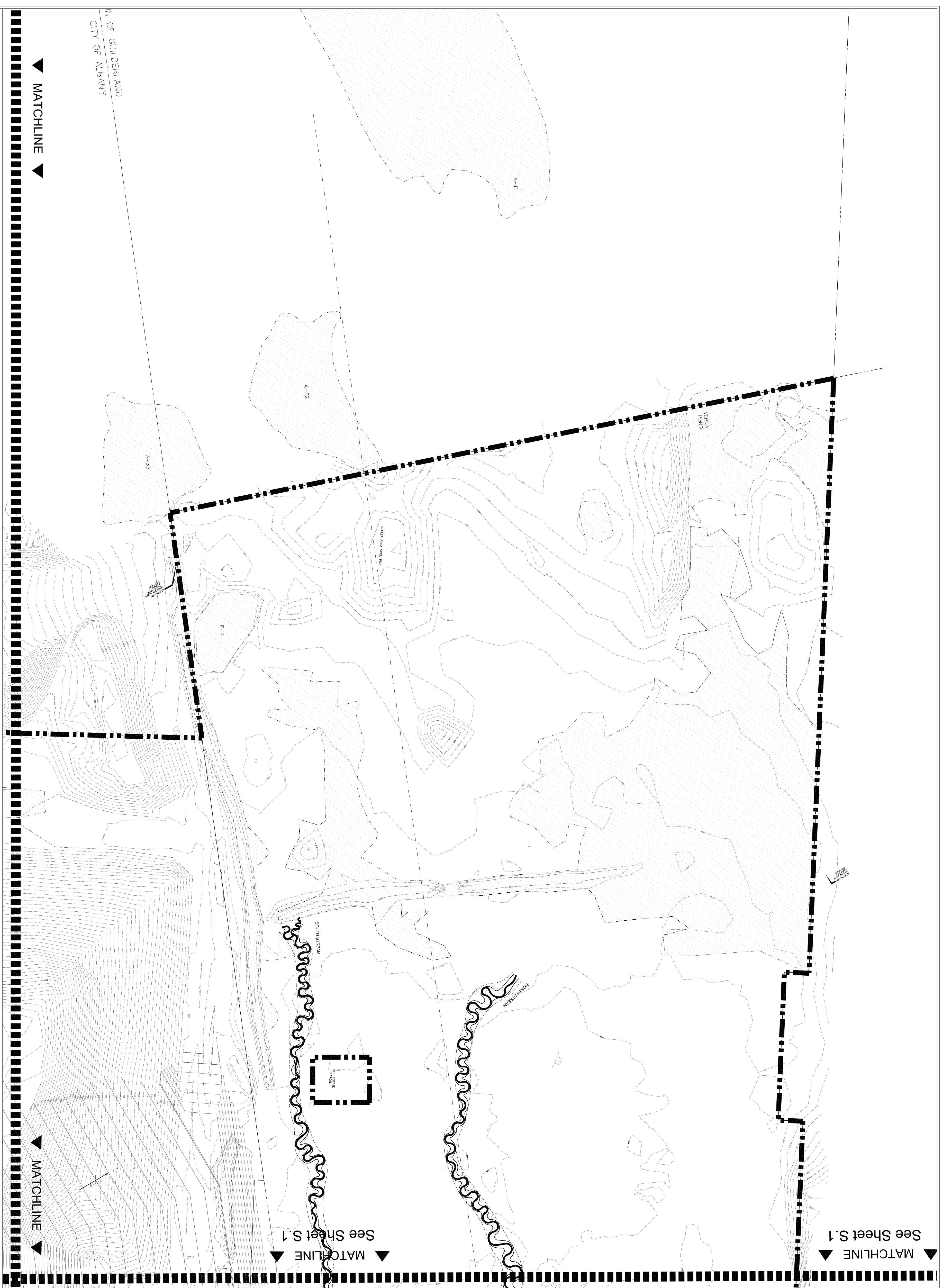
ALS Proj. #: 06-0500

Checked:  
Approved:  
Drawn By: nrr  
Title: "Osweston Floodplain (Zoning) Study"  
Date: 08 June 2008  
Coordinate System: NAD 83 State Plane, Feet (ft)



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S.2

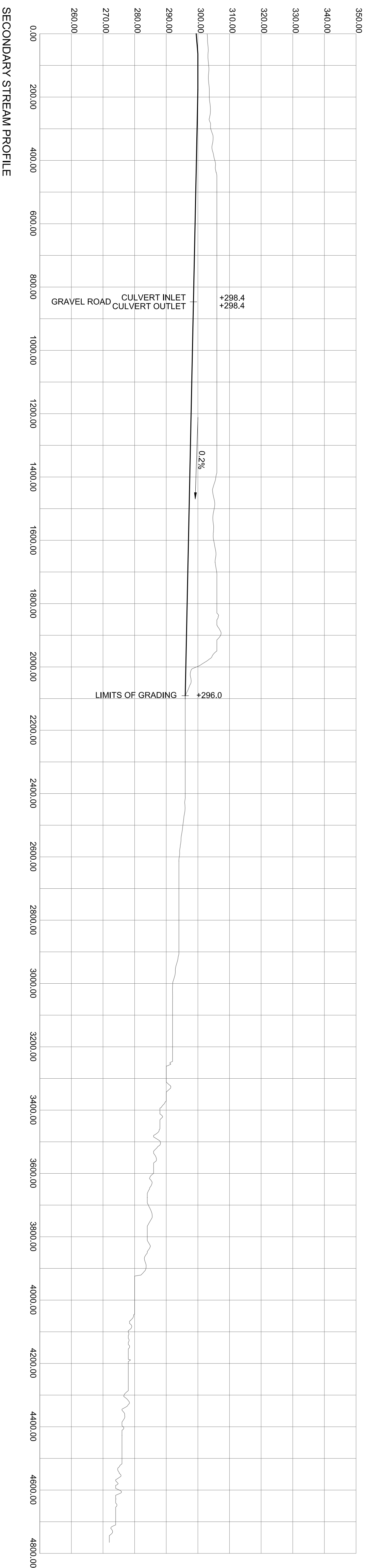
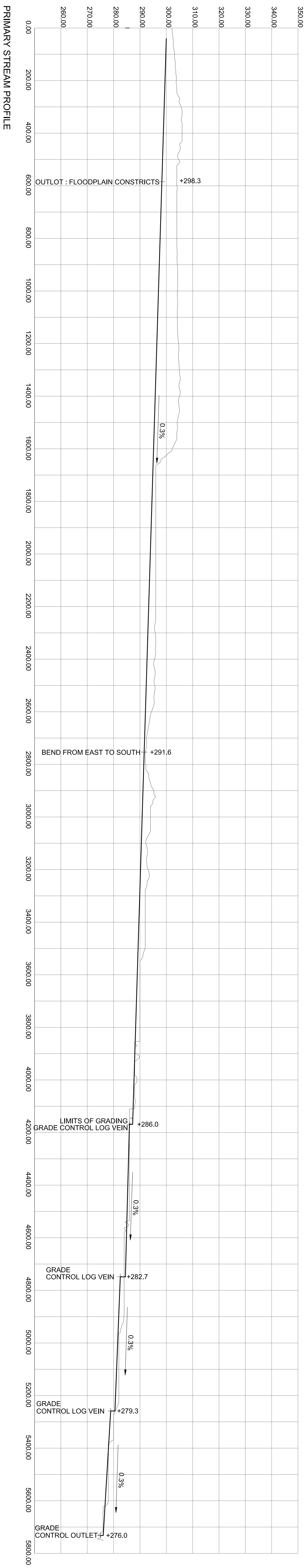


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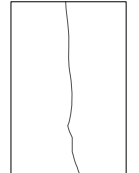
	Projected Boundary		Wetland		Normal Water Level (NWL)
	Existing 2' Contours		Proposed 2' Contours		High Water Level (HWL)
	Existing 10' Contours		Proposed 10' Contours		Bankfull Level (Bk)
	MATCHLINE		Stream Floodplain		Log Vein Grade Control Structure

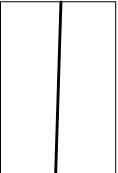
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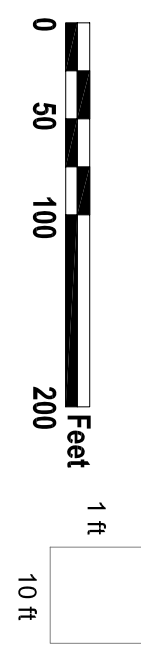




**LEGEND**

 Existing Surface

 Proposed Surface



**Albany Rapp Road Landfill**  
 Albany, New York  
**City of Albany, Dept. of General Services**  
 One Connors Blvd.  
 Albany, New York

**Stream Restoration:  
 Longitudinal Profile**

**REVISIONS**

No. 1	Date: 06 June 2008	By: nrr
Description: 50% CD Set		
No. 2	Date: 13 June 2008	By: nrr
Description: 50% CD Set		
No. 3	Date: 26 June 2008	By: nrr
Description: 50% CD Set		
No. 4	Date: 02 September 2008	By: nrr
Description: 50% CD Set DEC Comments Resubmit		

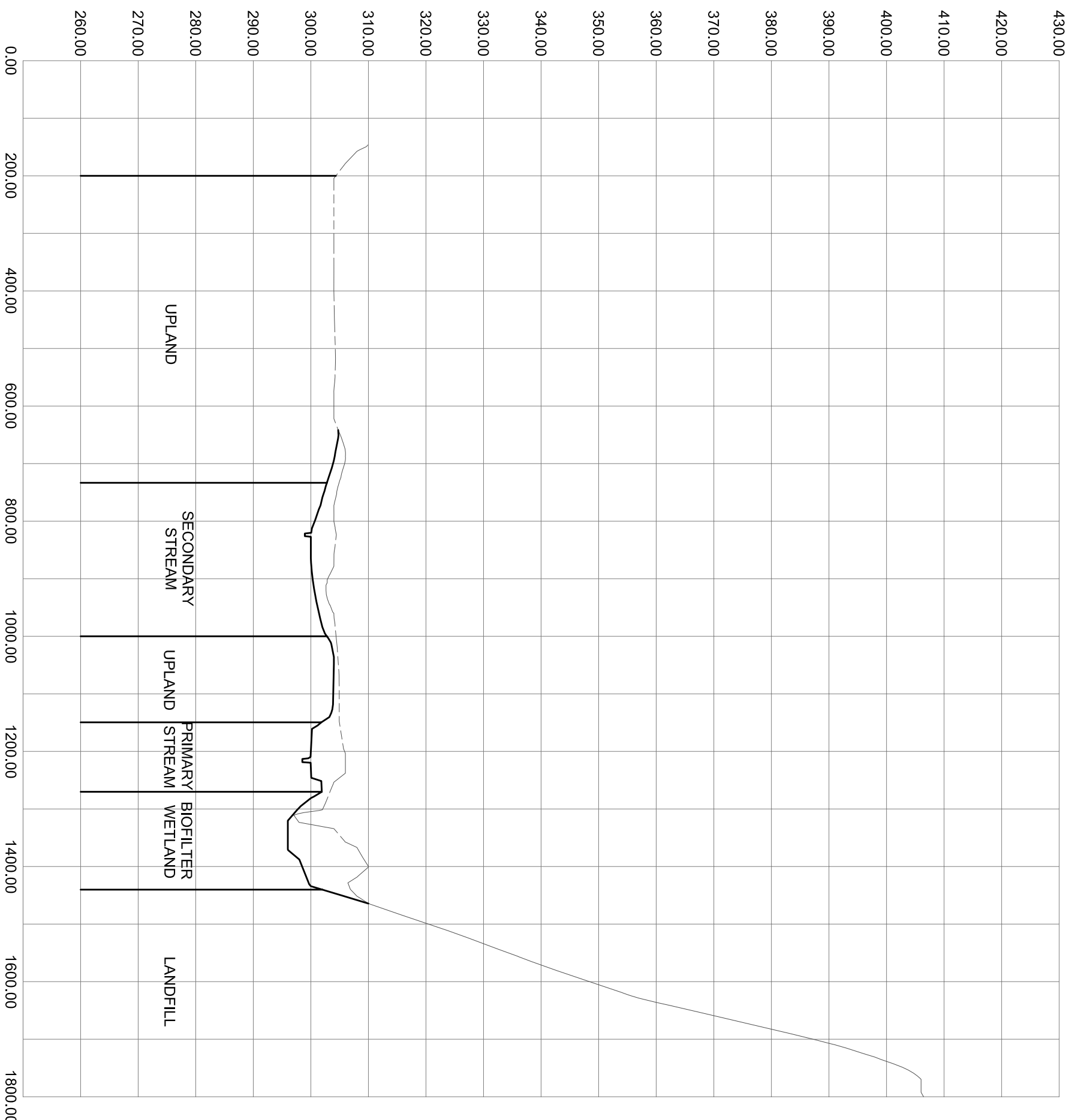
Drawn By: nrr  
 Approved: [Signature]  
 Date: 06 June 2008  
 Coordinates System: NAD 83 State Plane, East 11  
 A/S: Proj. #: 06-0560

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 Email: info@ch2m.com

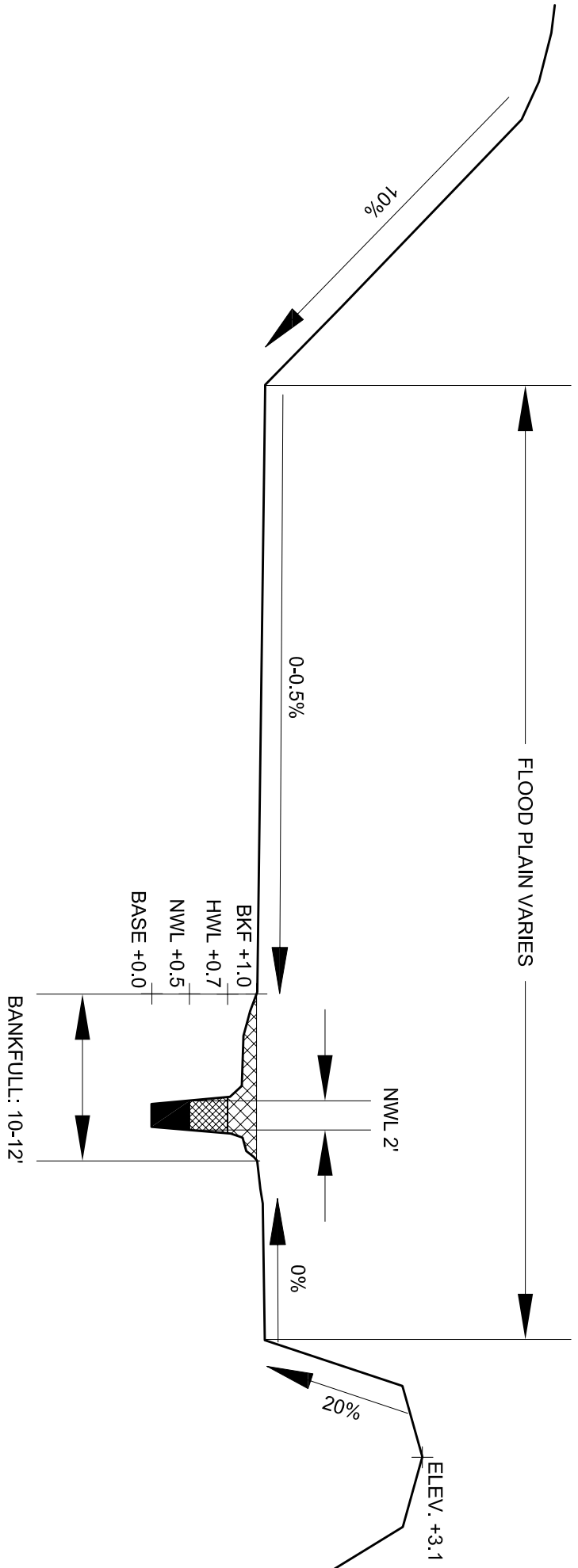
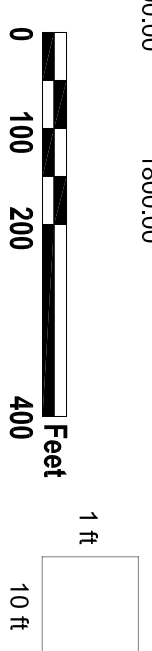
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**S.3**



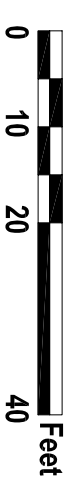


TYP. VALLEY CROSS SECTION



10' VERTICAL SCALE  
TYP. STREAM CROSS SECTION

BIOLITERATION WETLAND  
2' ENGINEERED SOIL  
1/2 SAND  
1/2 COMPOST  
1/2 TOP SOIL



- LEGEND**
- Existing Surface
  - Proposed Surface

**Albany Rapp Road Landfill**  
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**City of Albany, Dept. of General Services**  
One Connors Blvd.  
Albany, New York

**Stream Restoration:  
Longitudinal Profile**

**REVISIONS**  
No. 1 Date: 08 June 2008 By: nrr  
Description: 50% CD Set

No. 2 Date: 13 June 2008 By: nrr  
Description: 50% CD Set

No. 3 Date: 28 June 2008 By: nrr  
Description: 50% CD Set

No. 4 Date: 02 September 2008 By: nrr  
Description: 50% CD Set DEC Comments Resubm

ALS Proj. #: 06-0560

Drawn By: nrr  
Apprved: \_\_\_\_\_  
Date: 08 June 2008  
Coordinate System: NAD 83 State Plane, Feet (1)



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