

GREEN ENERGY PARTNERS / STONEWALL HYBRID ENERGY PARK ZONING MAP AMENDMENT APPLICATION 2009-0005 SPECIAL EXCEPTION APPLICATION 2009-0009 & COMMISSION PERMIT APPLICATION 2009-0001

CATOCTIN ELECTION DISTRICT
LOUDOUN COUNTY, VIRGINIA

APPLICANT
**GREEN ENERGY PARTNERS/
STONEWALL, LLC**
P.O. BOX 660
HAMILTON, VA, 20159

MCPI#: 193-29-6778 TAX MAP#: /61/////////14/
MCPI#: 193-38-4362 TAX MAP#: /60/////////38/
MCPI#: 193-39-3665 TAX MAP#: /61/////////12/
MCPI#: 194-48-6020 TAX MAP#: /60/////////39/
MCPI#: 193-49-0539 TAX MAP#: /60/////////38A/

ADJACENT OWNER
INFORMATION
(WITHIN 200 FEET)

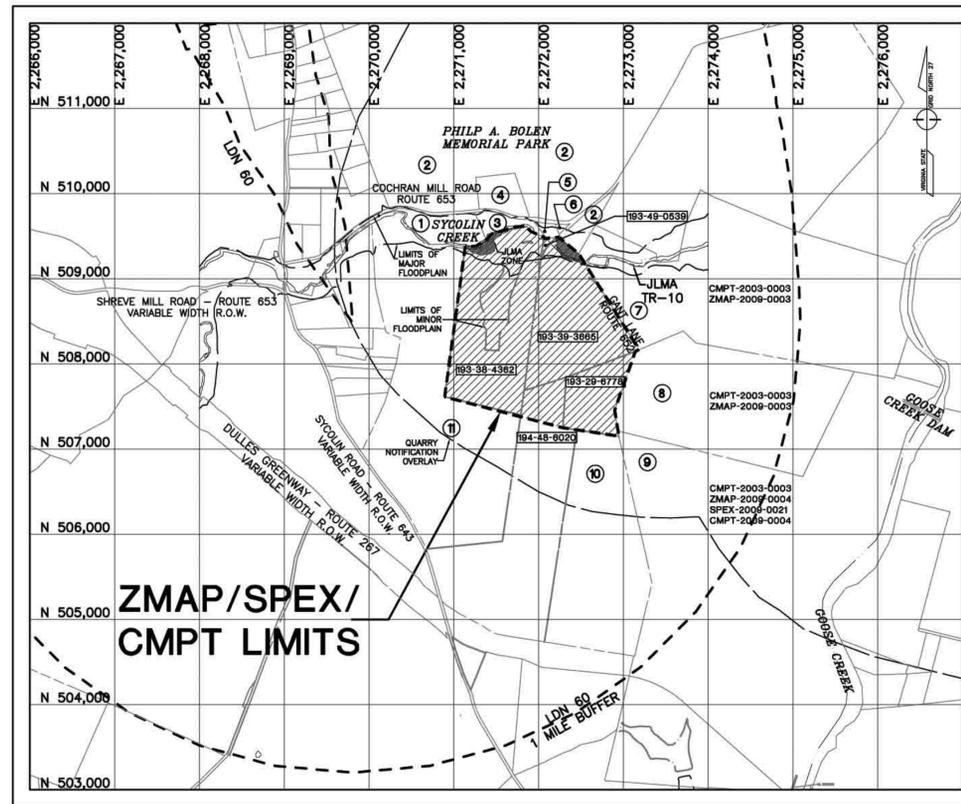
OWNERS

**LTI LTD PARTNERSHIP
C/O CAPITOL PROPERTIES, INC**
P.O. BOX 740
WARRENTON, VA 20188

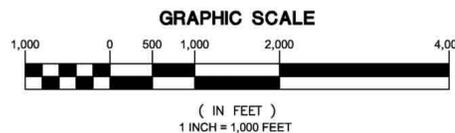
JOHN A. ANDREWS, II, TRUSTEE
P.O. BOX 660
39100 E. COLONIAL HIGHWAY
HAMILTON, VA 20159

**EVERGREEN LOUDOUN-ONE LTD
PARTNERSHIP C/O WAYNE T. DAY**
8511 RAPLEY PRESERVE CIRCLE
POTOMAC, MD 20854

| ADJACENT OWNER INFORMATION (WITHIN 200') | | | |
|--|----------------------------|-------------------------------------|----------|
| LAND USE KEY | | | |
| SF | SINGLE FAMILY | | |
| MI | MISCELLANEOUS IMPROVEMENTS | | |
| V | VACANT | | |
| GP | GOVERNMENT PROPERTY | | |
| KEY # | PIN # | OWNER | USE |
| 1 | 193-47-8662 | LOUDOUN COUNTY BOARD OF SUPERVISORS | Park |
| 2 | 191-16-9896 | COUNTY OF LOUDOUN | GP, PARK |
| 3 | 193-48-6164 | LOUDOUN COUNTY BOARD OF SUPERVISORS | Park |
| 4 | 193-48-5687 | CHESNEY, JOHN W & LYNDIA B R/S | SF |
| 5 | 193-49-0957 | BANE, JOSEPH | V |
| 6 | 193-49-2459 | BANE, JOSEPH | V |
| 7 | 152-36-1675 | LUCK STONE CORPORATION | SF MI |
| 8 | 152-25-5356 | LUCK STONE CORPORATION | V |
| 9 | 153-35-5865 | LOUDOUN COUNTY SANITATION AUTHORITY | V |
| 10 | 194-49-8227 | L T I LIMITED PARTNERSHIP | V |
| 11 | 193-27-9018 | SYCOLIN CORNER LLC | V |



VICINITY MAP



REFERENCE PLANS:

| APPLICATION # | APPLICATION NAME | STATUS |
|---------------|---|------------|
| 1. | ZMAP 2008-0017 (STONEWALL SECURE BUSINESS PARK) | (PENDING) |
| 2. | ZMAP 2009-0003 (LUCK STONE QUARRY) | (PENDING) |
| 3. | ZMAP 2009-0004 (LOUDOUN WATER & LUCK STONE) | (PENDING) |
| 4. | SPEX 2009-0021 (LOUDOUN WATER -TREATMENT PLANT) | (PENDING) |
| 5. | CMPT 2003-0003 (LCSA-INTEGRATED COMMUNAL WASTE WATER) | (RATIFIED) |
| 6. | CMPT 2009-0007 (LOUDOUN WATER -WATER TREATMENT) | (PENDING) |

(SEE VICINITY MAP FOR LOCATIONS)

LIST OF DRAWINGS

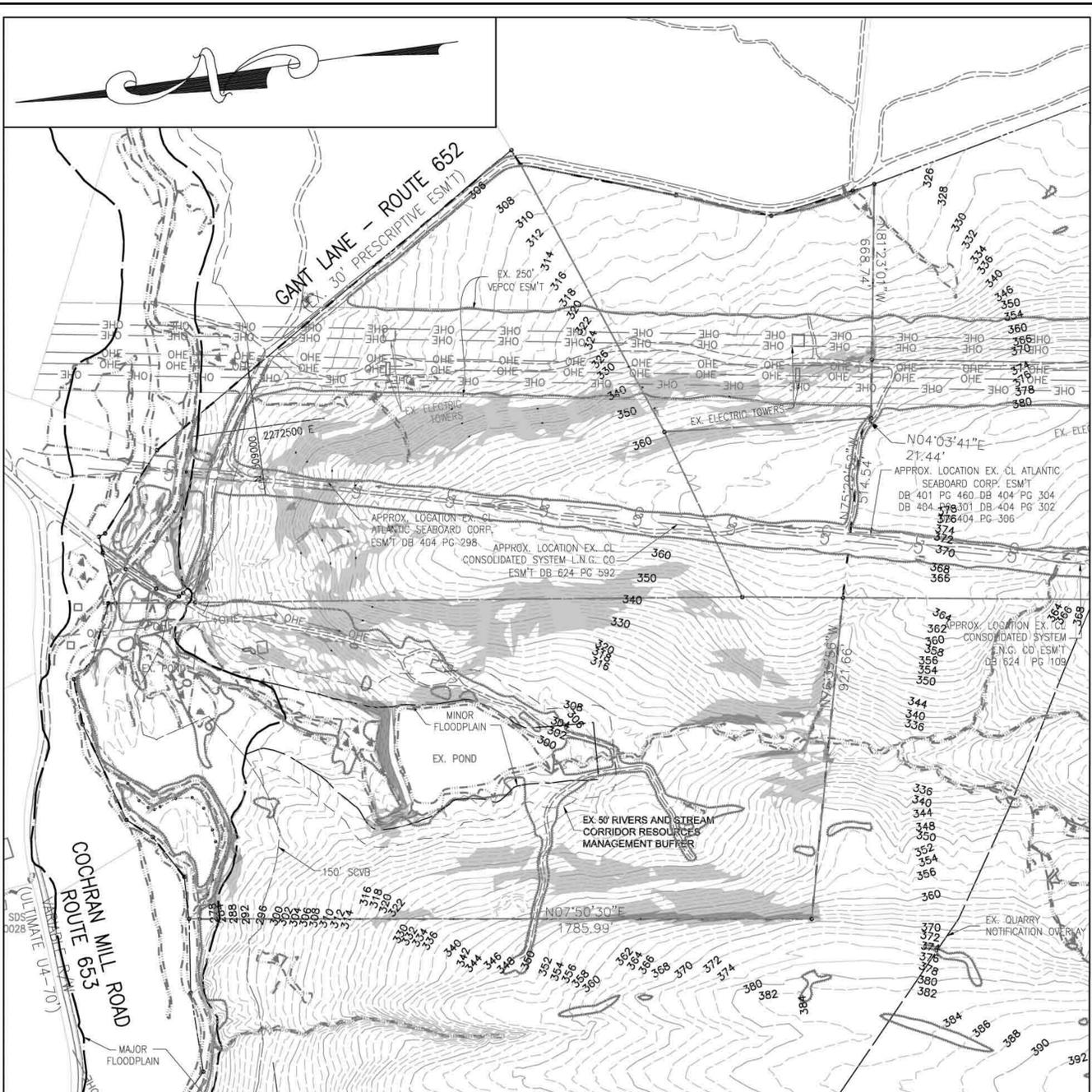
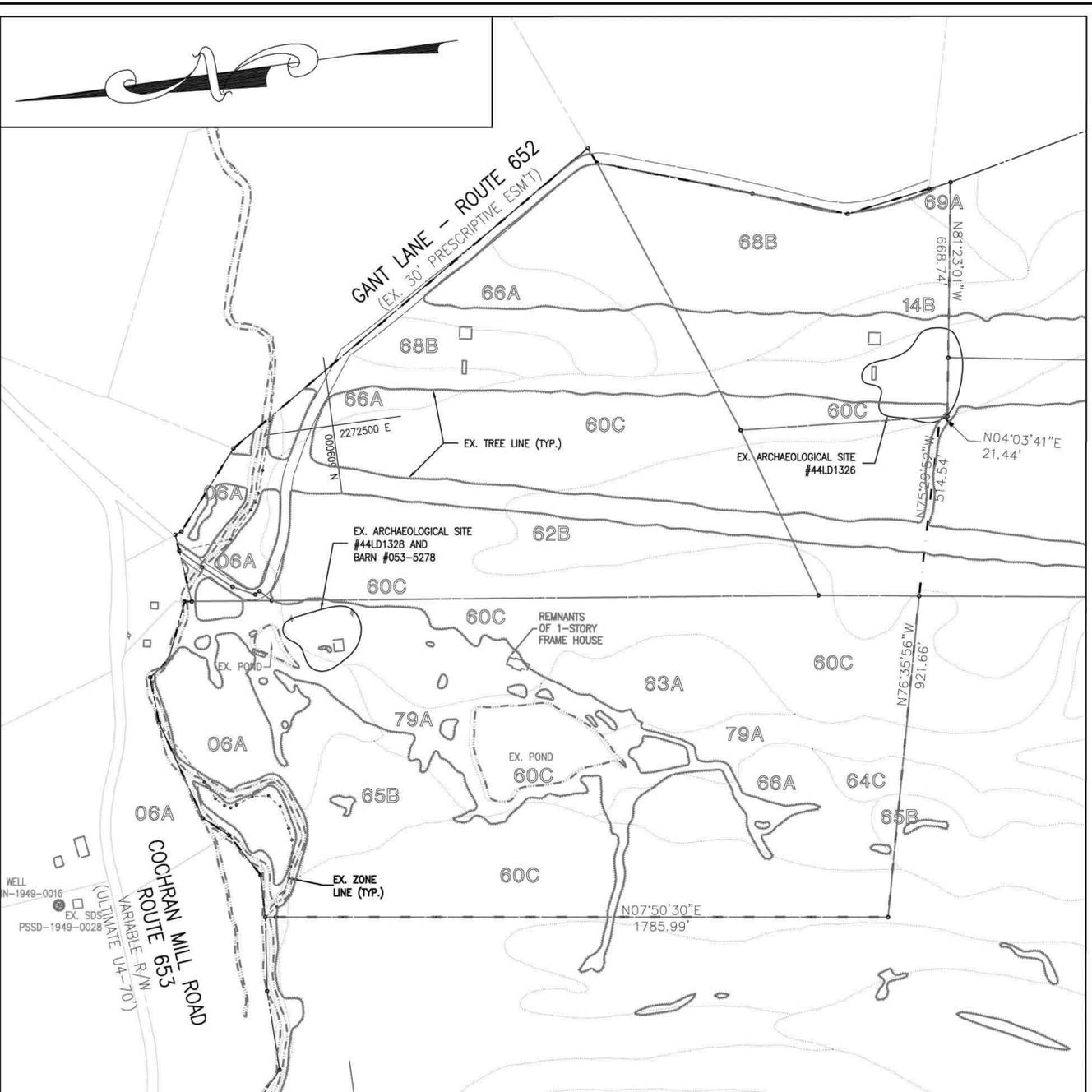
1. COVER SHEET WITH VICINITY MAP
2. REZONING PLAT / NOTES, TABULATIONS & REQUIREMENTS
3. EXISTING CONDITIONS PLAT
4. ZONING MAP AMENDMENT, SPECIAL EXCEPTION & COMMISSION PERMIT PLAT

JOHN A. ANDREWS II MANAGING MEMBER

APPLICANT NAME TITLE

[Signature] JULY 31, 2008
APPLICANT SIGNATURE DATE

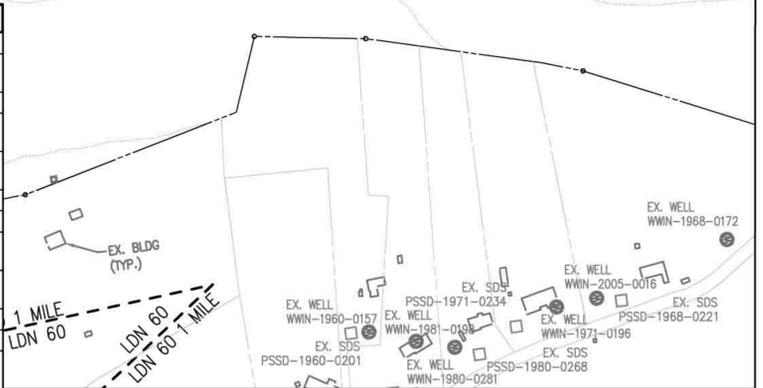
| |
|--|
| REVISIONS |
| REVISED PER COUNTY COMMENTS 8-18-09 |
| SURVEY |
| DESIGN |
| C. STEPHENSON |
| DRAWN |
| C. STEPHENSON |
| CHECKED |
|  ENGINEERS • SURVEYORS • LAND PLANNERS • LANDSCAPE ARCHITECTS William H. Gordon Associates, Inc. 44084 Riverside Parkway • Suite 100 • Leesburg, Virginia 20176 (703) 729-9009 • FAX (703) 478-8517 |
| DATE |
| July, 2009 |
| SCALE |
| HORZ: AS SHOWN VERT: N/A |
| COVER SHEET |
| PROJECT GEP/S HYBRID ENERGY PARK. ZMAP 2009-0005 SPEX 2009-0009 / CMPT 2009-0001 CATOCTIN ELECTION DISTRICT LOUDOUN COUNTY, VIRGINIA |
| JOB |
| 2720-0102 |
| CADD |
| plan\2720\0102\Plan\ZMAP-MHA\2720_CS.DWG |
| SHEET |
| 1 OF 4 |



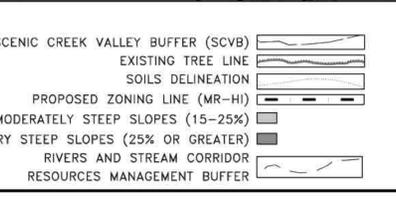
| SYMBOL | SOIL TYPE | SLOPE | POTENTIAL FOR GENERAL DEVELOPMENT | HYDROLOGIC GROUP | K FACTOR |
|--------|--|-------|---|------------------|----------|
| 6A | BOWMANVILLE SILT LOAM | 0-3% | IV F - VERY POOR POTENTIAL; SUBJECT TO FLOODING | C | 0.32 |
| 14B | MANASSAS SILT LOAM | 1-8% | II W - FAIR POTENTIAL; LOW BEARING CAPACITY & SHORT DURATION PERCHED WATER TABLES | B | 0.37 |
| 60C | SYCOLIN-CATLETT COMPLEX | 7-15% | II R - FAIR POTENTIAL; SHALLOW SOILS OVER ROCK | C/D | 0.24 |
| 62B | KELLY-SYCOLIN COMPLEX | 3-8% | III W - POOR POTENTIAL; HIGH SHRINK-SWELL CLAYS AND MODERATE DURATION PERCHED WATER TABLE | D/C | |
| 63A | KELLY SILT LOAM | 0-3% | IV PW - POOR POTENTIAL; HIGH SHRINK-SWELL CLAYS AND PROLONGED PERCHED WATER TABLE | D | 0.37 |
| 64C | LEGORE LOAM | 8-15% | II R - FAIR POTENTIAL; ROCK OUTCROPS | B | 0.24 |
| 65B | MONTALTO SILTY CLAY LOAM | 3-8% | I - GOOD POTENTIAL | C | 0.32 |
| 66A | WAXPOOL SILT LOAM | 0-3% | IV PW - VERY POOR POTENTIAL; HIGH SHRINK-SWELL CLAYS AND PROLONGED PERCHED WATER TABLE | D | 0.43 |
| 68B | HAYMARKET AND JACKLAND SOILS, VERY STONY | 3-8% | IV P - VERY POOR POTENTIAL; WETNESS AND HIGH SHRINK-SWELL CLAYS | D | 0.32 |
| 69A | ELBERT SILTY CLAY LOAM | 0-3% | IV PW - VERY POOR POTENTIAL; WETNESS AND HIGH SHRINK-SWELL CLAYS | D | 0.43 |
| 79A | ALBANO SILT LOAM | 0-3% | IV W - VERY POOR POTENTIAL; SEASONAL PERCHED WATER TABLE | D | 0.37 |

NOTE: SOURCE: LOUDOUN COUNTY SOILS MAPS. THIS SITE DOES CONTAIN CLASS II AND IV SOILS, PER THE LATEST COUNTY SOILS MAP AND AS IDENTIFIED BY THE INTERPRETIVE GUIDE TO SOILS MAPS, LOUDOUN COUNTY, VIRGINIA.

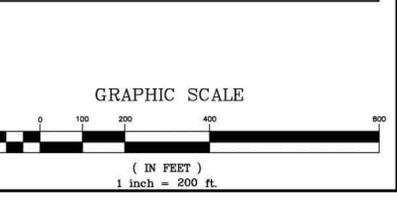
EXISTING CONDITIONS:
(SOILS, VEGETATION & ARCHEOLOGICAL)
SCALE: 1"=200'



LEGEND



EXISTING CONDITIONS:
(TOPO, STEEP SLOPES & WETLANDS)
SCALE: 1"=200'



REVISIONS

REVISED PER COUNTY COMMENTS 8-18-09

SURVEY

DESIGN

DRAWN

C. STEPHENSON

CHECKED

C. STEPHENSON

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DATE

July, 2009

SCALE

HORZ: 1"=200'
VERT: N/A

EXISTING CONDITIONS PLAT

PROJECT

GEP/S HYBRID ENERGY PARK.
ZMAP 2009-0005
SPEX 2009-0009 / CMPT 2009-0001
CATOCTIN ELECTION DISTRICT
LOUDOUN COUNTY, VIRGINIA

JOB

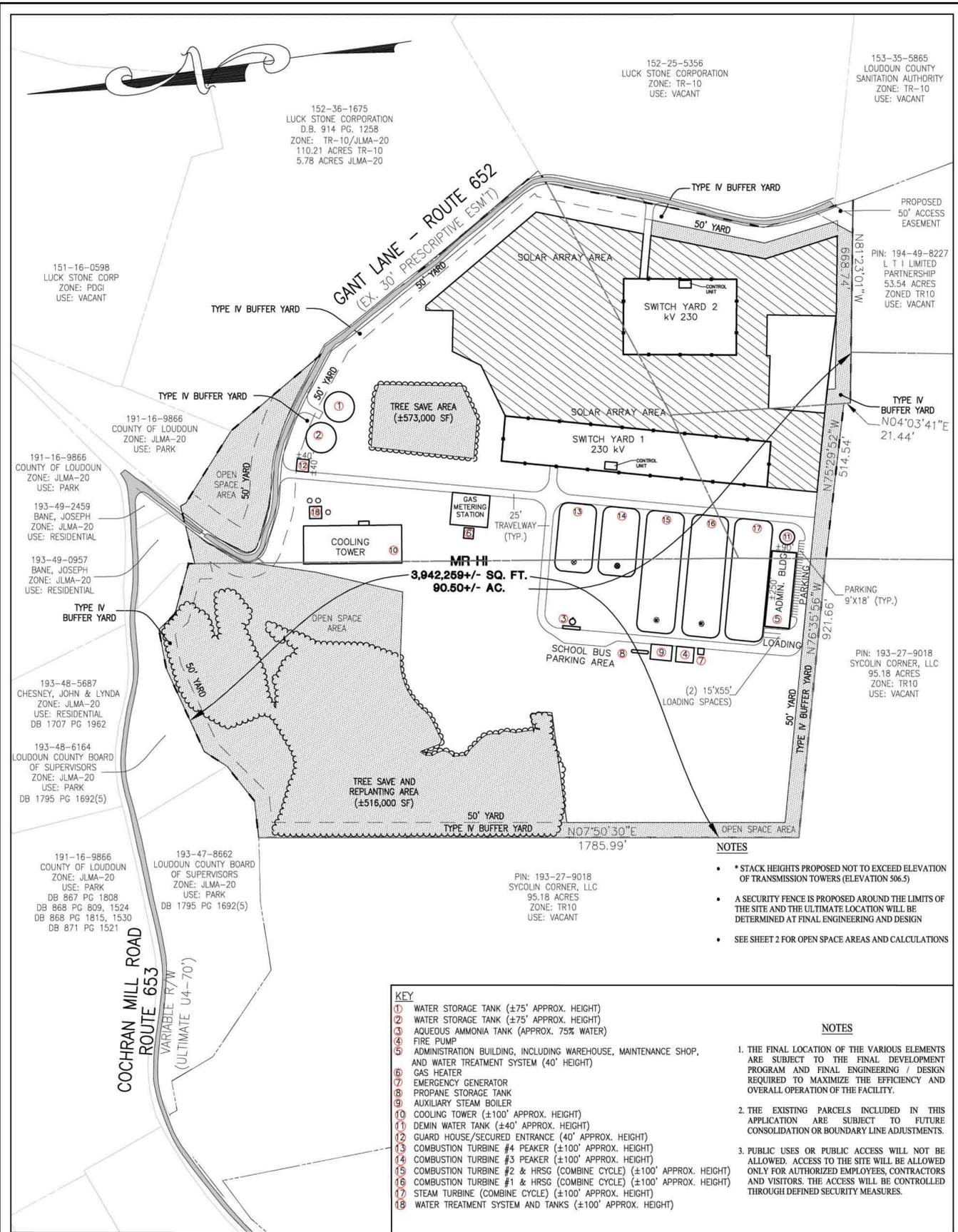
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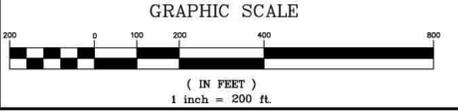
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SHEET

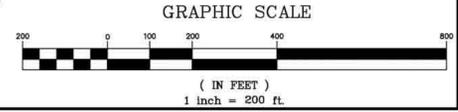
3 OF 4



CONCEPT PLAN
ZMAP / SPEX / CMPT PLAT
SCALE: 1"=200'



CONCEPT PLAN OVER
EXISTING CONDITIONS
SCALE: 1"=200'



REVISIONS

REVISED PER COUNTY COMMENTS 8-18-09

SURVEY

DESIGN

DRAWN C. STEPHENSON

CHECKED C. STEPHENSON

DATE July, 2009

SCALE HORZ: 1"=200'
VERT: N/A

ZMAP / SPEX / CMPT PLAT

PROJECT
GEP/S HYBRID ENERGY PARK.
ZMAP 2009-0005
SPEX 2009-0009 / CMPT 2009-0001
CATOCTIN ELECTION DISTRICT
LOUDOUN COUNTY, VIRGINIA

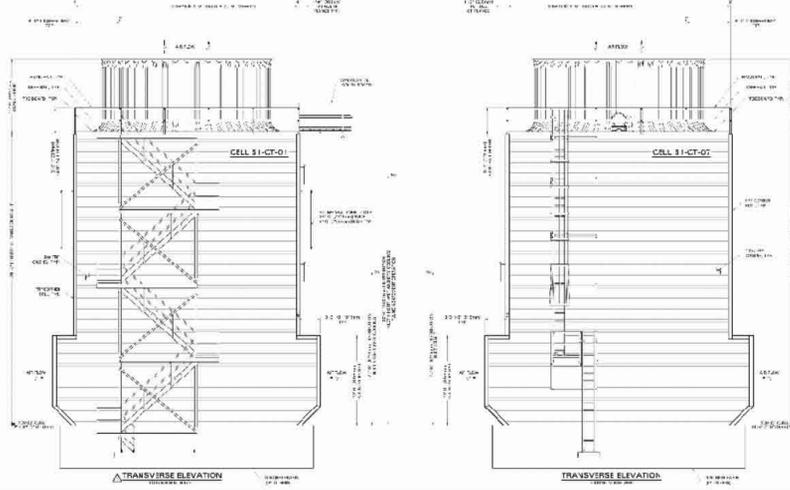
JOB 2720-0102

CADD plan/2720/0102/Plan/Map-MR-HI/2720_CP.DWG

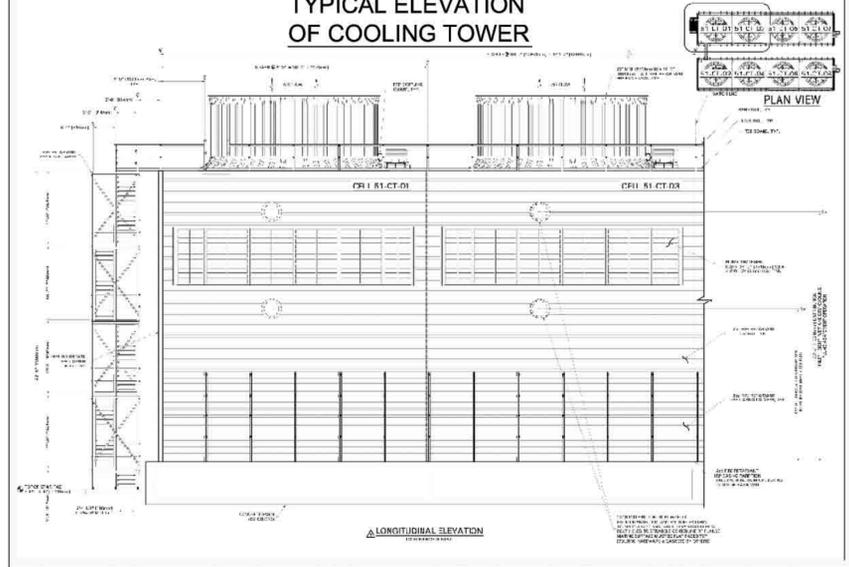
SHEET 4 OF 4

WILLIAM H. GORDON ASSOCIATES, INC.
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TYPICAL ELEVATION OF COOLING TOWER



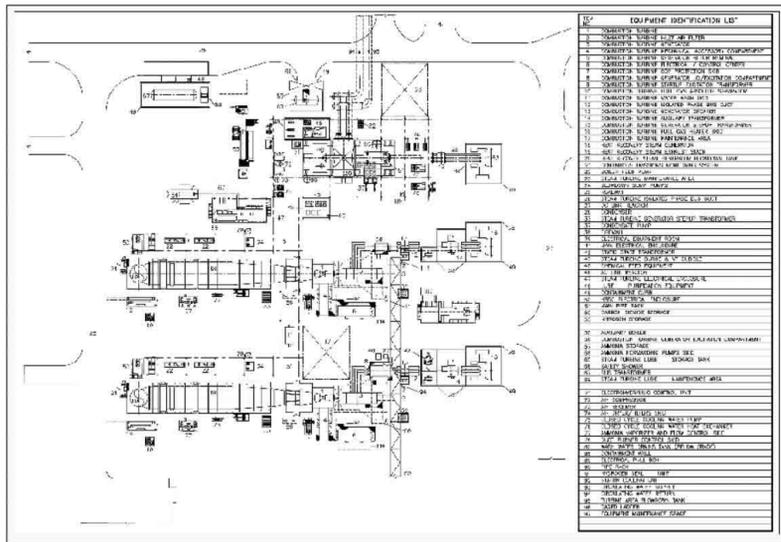
TYPICAL ELEVATION OF COOLING TOWER



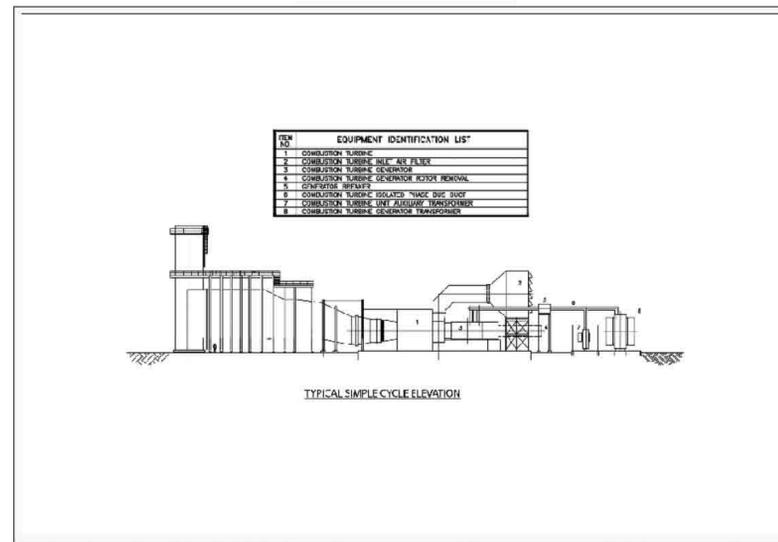
NOTES:

- THE DETAILS AND IMAGES SHOWN ON THIS SHEET ARE FOR ILLUSTRATIVE PURPOSES TO PROVIDED GENERAL DETAILS, TO GIVE A SENSE OF SCALE AND TO SHOW THE RELATIONSHIP BETWEEN THE VARIOUS COMPONENTS OF THE FACILITY.
- THE LOCATIONS AND REFERENCES OF THESE FACILITIES HAVE BEEN REMOVED FOR SECURITY PURPOSES.

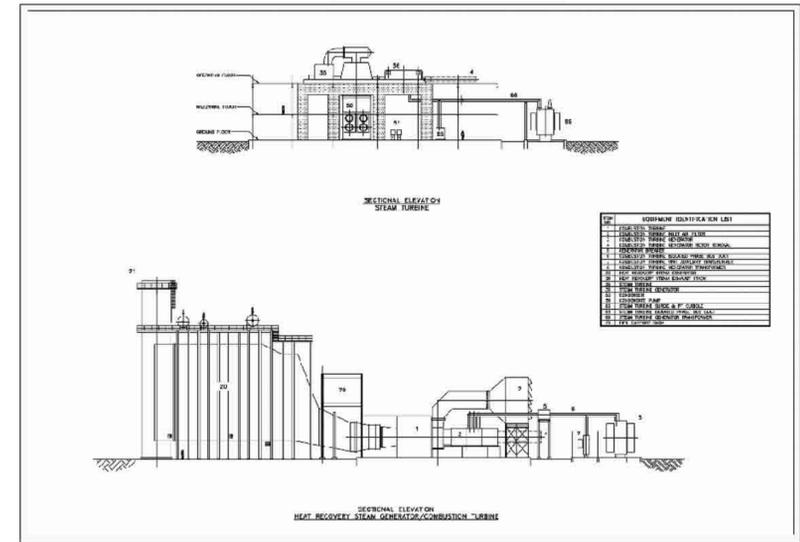
TYPICAL COMBINED CYCLE PLANT LAYOUT



TYPICAL SIMPLE CYCLE PLANT ELEVATION



TYPICAL COMBINED CYCLE PLANT ELEVATIONS



TYPICAL PLANT LAYOUT OF A NON-ENCLOSED FACILITY (COMBINED CYCLE AND ONE SIMPLE CYCLE)



TYPICAL PLANT LAYOUT OF AN ENCLOSED FACILITY (COMBINED CYCLE)



THIS SHEET IS FOR ILLUSTRATIVE PURPOSES ONLY!!!

REVISIONS

REVISED PER COUNTY COMMENTS 8-18-09

SURVEY

DESIGN

C.STEPHENSON

DRAWN

C. STEPHENSON

CHECKED

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DATE: July, 2009
 SCALE: HORZ: N/A
 VERT: N/A

TYPICAL DETAILS AND ILLUSTRATIVES EXHIBIT
 PROJECT: **GEP/S HYBRID ENERGY PARK. ZMAP 2009-0005 SPEX 2009-0009 / CMPT 2009-0001**
 CATOCTIN ELECTION DISTRICT LOUDOUN COUNTY, VIRGINIA

JOB: 2720-0102

CADD

plan\2720\0102\Plan\ZMAP-WP-WH\2720_A1105.DWG

SHEET: 1 OF 1