



RICHARD CEASE & N. VOLONAKIS  
 DEED BOOK: 1600 PAGE: 00303  
 ACCOUNT NUMBER: 001117  
 110.30 ACRES  
 ZONING: AC

RICHARD D. & THELMA W. CEASE ET. AL  
 DEED BOOK: 07714 PAGE: 00300  
 ACCOUNT NUMBER: 001125  
 ZONING: AC

JAMES N. & PATRICIA A. VOLONAKIS  
 DEED BOOK: 00253 PAGE: 00029  
 ACCOUNT NUMBER: 008111  
 ZONING: AC

RICHARD CEASE & N. VOLONAKIS  
 DEED BOOK: 1600 PAGE: 00303  
 ACCOUNT NUMBER: 001117  
 110.30 ACRES  
 ZONING: AC

DAVID R. & BONNIE G. BURCH  
 DEED BOOK: 00185 PAGE: 00721  
 ACCOUNT NUMBER: 003098  
 ZONING: AC

THE KBM CORPORATION  
 DEED BOOK: 00217 PAGE: 00471  
 ACCOUNT NUMBER: 004221  
 ZONING: AC

**SITE NOTES:**

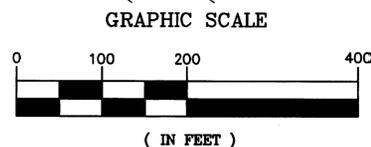
1. ALL DISTANCES ARE GROUND UNLESS OTHERWISE NOTED.
2. HORIZONTAL DATUM IS BASED ON THE MARYLAND STATE PLANE COORDINATE SYSTEM OF 1983 IN US FEET.
3. VERTICAL DATUM IS BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988.
4. REFERENCE: AS SHOWN
5. THIS PLAN DOES NOT REPRESENT A TITLE SURVEY OR A BOUNDARY SURVEY OF THE PARENT TRACT.
6. INFORMATION SHOWN HEREON BASED ON AN ACTUAL FIELD SURVEY PERFORMED BY KCI ON JULY 27, 2013 AS WELL AS INFORMATION CONTAINED IN THE PUBLIC RECORDS OF THE CHARLES COUNTY CIRCUIT COURT AND TAX OFFICE.
7. THE SUBJECT LEASE AND ACCESS APPEARS TO FALL WITHIN ZONE "X" AS SCALED FROM FLOOD INSURANCE RATE MAP 24017C0335C, EFFECTIVE DATE SEPTEMBER 4, 2013.

**STORMWATER MANAGEMENT NOTE:**

1. POST DEVELOPMENT SQUARE FOOTAGE TO EXCEED 5,000sf.
2. A CONCEPT STORMWATER MANAGEMENT PLAN (STEP 1) SHALL BE REQUIRED FOLLOWING THE APPROVAL OF THE SPECIAL EXCEPTION PLAN.

**CENTERLINE TOWER DATA**

LAT 38° 27' 09.73" (NAD '83)  
 LON 76° 54' 22.14" (NAD '83)  
 LAT 38° 27' 09.29" (NAD '27)  
 LON 76° 54' 23.24" (NAD '27)  
 AVERAGE GROUND ELEVATION  
 @ C of PROPOSED TOWER ELEV. =  
 151.0' (NAVD '88)



OVERALL SITE PLAN  
 SCALE: 11X17: 1" = 200'  
 24X36: 1" = 100'



NO.	DATE	DESCRIPTION
1	8-21-13	ISSUED FOR ZONING
2	12-03-13	ISSUED FOR ZONING

DRAWN BY: JLC  
 CHECKED BY: JJR  
 APPROVED BY: JJR

**KCI**  
 TECHNOLOGIES  
 KCI TECHNOLOGIES, INC.  
 8161 Maple Lawn Blvd, Suite 150  
 Fulton, MD 20759  
 Phone: 410.792.8086

**Instate**  
 TOWER SIG  
**BLACK POWDER**  
 9435 MARCUS LANE,  
 LA PLATA, MD, 20646

12-10-13

PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO.: 26838 EXPIRATION DATE: 01-18-2014

ENGINEER:  
 ERIC S. KOHL, PE  
 MD LICENSE NO.: 26838

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SCALE: AS NOTED  
 DATE: 08/21/2013  
 KCI JOB NUMBER: 02134177E

SHEET TITLE  
 SITE PLAN &  
 COMPOUND PLAN

SHEET  
 C-1

**DESCRIPTION: PROPOSED 20' ACCESS & UTILITY EASEMENT**

LEGAL DESCRIPTION OF PROPOSED 20' ACCESS AND UTILITY EASEMENT BEING A TWENTY FOOT WIDE STRIP OR PARCEL RUNNING THROUGH, OVER, AND ACROSS PORTIONS OF THE FOLLOWING LANDS: 1) THE '50' R.O.W.' AS LAID OUT AND SHOWN ON THE PLAT ENTITLED 'PARCELS A & B, LAND OF HERBERT B. CEASE, ET AL' RECORDED AMONG THE AFORESAID LAND RECORDS IN PLAT BOOK 17 PAGE 44, NOW BEING KNOWN AS MARCUS LANE, AND BEING A PORTION OF THE LAND WHICH BY DEED DATED NOVEMBER 20, 1967 AND RECORDED AMONG THE LAND RECORDS OF CHARLES COUNTY, MARYLAND IN LIBER 1800 FOLIO 303 WAS CONVEYED BY HERBERT B. CEASE, RICHARD D. CEASE AND NICHOLAS VOLONAKIS TO RICHARD D. CEASE AND NICHOLAS VOLONAKIS, CONCURRENT USE GRANTED TO JAMES NICHOLAS VOLONAKIS AND PATRICIA ANN VOLONAKIS BY RIGHT OF WAY RECORDED IN LIBER 255 FOLIO 189; AND 2) THE LAND WHICH BY DEED DATED MARCH 29, 1972 AND RECORDED AMONG THE AFORESAID LAND RECORDS IN LIBER 253 FOLIO 29 WAS CONVEYED BY HERBERT B. CEASE, RICHARD D. CEASE AND NICHOLAS VOLONAKIS TO JAMES NICHOLAS VOLONAKIS AND PATRICIA ANN VOLONAKIS, AND BEING MORE PARTICULARLY DESCRIBED IN TWO PARTS AS FOLLOWS: PART ONE:

- 1) BEGINNING FOR THE SAME ON THE NORTHWESTERLY SIDE OF PENNS HILL ROAD AT THE SOUTHEASTERLY CORNER OF THE SOUTH 25 DEGREES 22 MINUTES EAST FOOT 275.72 FOOT LINE OF THE PARCEL ENTITLED '50' R.O.W.' AS LAID OUT AND SHOWN ON THE PLAT ENTITLED 'PARCELS A & B, LAND OF HERBERT B. CEASE, ET AL' RECORDED AMONG THE AFORESAID LAND RECORDS IN PLAT BOOK 17 PAGE 44 AT OR NEAR AN IRON PIPE FOUND, SAID POINT OF BEGINNING HAVING THE FOLLOWING COORDINATE VALUE IN THE MARYLAND COORDINATE SYSTEM NAD83(2011) AS NOW SURVEYED: NORTH 286167.56, EAST 1339899.00, THENCE RUNNING ALONG THE NORTHWESTERLY SIDE OF PENNS HILL ROAD AS SHOWN ON SAID PLAT, WITH ALL COURSES OF THIS DESCRIPTION BEING REFERRED TO THE GRID MERIDIAN ESTABLISHED IN THE MARYLAND COORDINATE SYSTEM NAD83(2011) AS NOW SURVEYED,
- 2) SOUTH 23 DEGREES 47 MINUTES 19 SECONDS WEST 20.00 FEET, THENCE LEAVING SAID ROAD FOR NEW LINES OF EASEMENT THROUGH THE '50' R.O.W.' AS SHOWN ON SAID PLAT, THE THREE FOLLOWING COURSES AND DISTANCES,
- 3) NORTH 66 DEGREES 12 MINUTES 41 SECONDS WEST 18.46 FEET, THENCE
- 4) SOUTH 48 DEGREES 09 MINUTES 40 SECONDS WEST 3.37 FEET TO A POINT OF CURVATURE, THENCE
- 5) SOUTHWESTERLY 19.88 FEET ALONG THE ARC OF A CURVE TO THE RIGHT HAVING A RADIUS OF 70.00 FEET (THE ARC OF SAID CURVE BEING SUBTENDED BY THE CHORD BEARING SOUTH 56 DEGREES 17 MINUTES 55 SECONDS WEST 19.82 FEET) TO INTERSECT THE NORTH 25 DEGREES 22 MINUTES WEST 310.88 FOOT LINE OF THE AFORESAID PLAT, NORTH 32 DEGREES 50 MINUTES 22 SECONDS WEST 36.52 FEET AS NOW SURVEYED FROM AN IRON PIPE FOUND AT THE SOUTHEASTERLY END THEREOF, AND AT A POINT OF NON-TANGENCY, AND THENCE ALONG A PART OF SAID PLAT LINE
- 6) NORTH 32 DEGREES 50 MINUTES 22 SECONDS WEST 20.23 FEET, THENCE LEAVING SAID PLAT LINE AT A POINT OF NON-TANGENT CURVATURE FOR NEW LINES OF EASEMENT THROUGH THE AFORESAID '50' R.O.W.', THE THREE FOLLOWING COURSES AND DISTANCES,
- 7) NORTHEASTERLY 16.77 FEET ALONG THE ARC OF A CURVE TO THE LEFT HAVING A RADIUS OF 50.00 FEET (THE ARC OF SAID CURVE BEING SUBTENDED BY THE CHORD BEARING NORTH 57 DEGREES 46 MINUTES 01 SECOND EAST 16.89 FEET) TO A POINT OF TANGENCY, THENCE
- 8) NORTH 48 DEGREES 09 MINUTES 40 SECONDS EAST 16.27 FEET, AND THENCE
- 9) SOUTH 66 DEGREES 12 MINUTES 41 SECONDS EAST 31.35 FEET TO THE POINT OF BEGINNING.

CONTAINING 1061 SQUARE FEET OR 0.0243 ACRES OF LAND, MORE OR LESS, AND BEING A PORTION OF THE '50' R.O.W.' AS LAID OUT AND SHOWN ON THE PLAT ENTITLED 'PARCELS A & B, LAND OF HERBERT B. CEASE, ET AL' RECORDED AMONG THE AFORESAID LAND RECORDS IN PLAT BOOK 17 PAGE 44, NOW BEING KNOWN AS MARCUS LANE, AND BEING A PORTION OF THE LAND WHICH BY DEED DATED NOVEMBER 20, 1967 AND RECORDED AMONG THE LAND RECORDS OF CHARLES COUNTY, MARYLAND IN LIBER 1800 FOLIO 303 WAS CONVEYED BY HERBERT B. CEASE, RICHARD D. CEASE AND NICHOLAS VOLONAKIS TO RICHARD D. CEASE AND NICHOLAS VOLONAKIS, CONCURRENT USE GRANTED TO JAMES NICHOLAS VOLONAKIS AND PATRICIA ANN VOLONAKIS BY RIGHT OF WAY RECORDED IN LIBER 255 FOLIO 189.

**PART TWO:**

BEGINNING FOR THE SAME AT THE END OF THE FOURTH LINE OF PART ONE DESCRIBED HEREIN, SAID POINT BEING ON THE SOUTH 25 DEGREES 22 MINUTES EAST 310.88 FOOT PLAT LINE OF THE 5.116 AC. PARCEL LAID OUT AND SHOWN ON THE PLAT ENTITLED 'LAND OF HERBERT B. CEASE, ET AL' RECORDED AMONG THE AFORESAID LAND RECORDS IN PLAT BOOK 18 PAGE 99, AND BEING DISTANT AS NOW SURVEYED, NORTH 32 DEGREES 50 MINUTES 22 SECONDS WEST 36.52 FEET ALONG SAID LINE FROM AN IRON PIPE FOUND AT THE SOUTHEASTERLY END THEREOF, THENCE LEAVING SAID LINE AT A POINT OF NON-TANGENT CURVATURE FOR NEW LINES OF EASEMENT THROUGH THE 5.116 AC. PARCEL AS SHOWN ON SAID PLAT, THE SIX FOLLOWING COURSES AND DISTANCES:

- 1) WESTERLY 71.73 FEET ALONG THE ARC OF A CURVE TO THE RIGHT HAVING A RADIUS OF 70.00 FEET (THE ARC OF SAID CURVE BEING SUBTENDED BY THE CHORD BEARING NORTH 56 DEGREES 17 MINUTES 55 SECONDS WEST 68.63 FEET) TO A POINT OF TANGENCY, THENCE
- 2) NORTH 54 DEGREES 51 MINUTES 20 SECONDS WEST 48.27 FEET, THENCE
- 3) SOUTH 66 DEGREES 01 MINUTE 02 SECONDS WEST 135.30 FEET, THENCE
- 4) NORTH 89 DEGREES 37 MINUTES 57 SECONDS WEST 379.21 FEET TO A POINT OF CURVATURE, THENCE
- 5) NORTHWESTERLY 92.28 FEET ALONG THE ARC OF A CURVE TO THE RIGHT HAVING A RADIUS OF 55.00 FEET (THE ARC OF SAID CURVE BEING SUBTENDED BY THE CHORD BEARING NORTH 41 DEGREES 34 MINUTES 39 SECONDS WEST 81.82 FEET) TO A POINT OF TANGENCY, AND THENCE
- 6) NORTH 06 DEGREES 28 MINUTES 38 SECONDS EAST 45.86 FEET TO THE SOUTHERN OUTLINE OF A PROPOSED 100 BY 100 FOOT LEASE AREA, 40.00 FEET FROM THE WESTERN END THEREOF, THENCE ALONG THE SOUTHERN OUTLINE OF SAID PROPOSED LEASE AREA,
- 7) SOUTH 83 DEGREES 31 MINUTES 22 SECONDS EAST 20.00 FEET, THENCE LEAVING SAID PROPOSED LEASE AREA AND RUNNING 20 FEET PARALLEL AND DISTANT FROM THE FIRST THROUGH SIXTH LINES HEREIN FOR NEW LINES OF EASEMENT THROUGH THE 5.116 AC. PARCEL AS SHOWN ON THE AFORESAID PLAT, THE SIX FOLLOWING COURSES AND DISTANCES,
- 8) SOUTH 06 DEGREES 28 MINUTES 38 SECONDS WEST 45.86 FEET TO A POINT OF CURVATURE, THENCE
- 9) SOUTHEASTERLY 58.71 FEET ALONG THE ARC OF A CURVE TO THE LEFT HAVING A RADIUS OF 35.00 FEET (THE ARC OF SAID CURVE BEING SUBTENDED BY THE CHORD BEARING SOUTH 41 DEGREES 34 MINUTES 39 SECONDS EAST 52.06 FEET) TO A POINT OF TANGENCY, THENCE
- 10) SOUTH 89 DEGREES 37 MINUTES 57 SECONDS EAST 374.90 FEET, THENCE
- 11) NORTH 66 DEGREES 01 MINUTE 02 SECONDS EAST 141.87 FEET, THENCE
- 12) SOUTH 56 DEGREES 51 MINUTES 20 SECONDS WEST 59.16 FEET TO A POINT OF CURVATURE, AND THENCE
- 13) EASTERLY 48.87 FEET ALONG THE ARC OF A CURVE TO THE LEFT HAVING A RADIUS OF 50.00 FEET (THE ARC OF SAID CURVE BEING SUBTENDED BY THE CHORD BEARING SOUTH 84 DEGREES 44 MINUTES 30 SECONDS EAST 48.77 FEET) TO INTERSECT THE AFORESAID SOUTH 25 DEGREES 22 MINUTES EAST 310.88 FOOT PLAT LINE AT A POINT OF NON-TANGENCY, THENCE RUNNING ALONG A PART OF SAID LINE,
- 14) SOUTH 32 DEGREES 50 MINUTES 22 SECONDS EAST 20.23 FEET TO THE POINT OF BEGINNING.

CONTAINING 15,018 SQUARE FEET OR 0.3448 ACRES OF LAND, MORE OR LESS, AND BEING A PORTION OF LAND WHICH BY DEED DATED MARCH 29, 1972 AND RECORDED AMONG THE AFORESAID LAND RECORDS IN LIBER 253 FOLIO 29 WAS CONVEYED BY HERBERT B. CEASE, RICHARD D. CEASE AND NICHOLAS VOLONAKIS TO JAMES NICHOLAS VOLONAKIS AND PATRICIA ANN VOLONAKIS.

THE TOTAL AREA OF NEW EASEMENT DESCRIBED HEREIN IS 16,079 SQUARE FEET OR 0.3691 ACRES OF LAND, MORE OR LESS, AS NOW SURVEYED BY KCI TECHNOLOGIES, INC. IN NOVEMBER 2013.

LEGAL DESCRIPTION OF PROPOSED 100' X 100' LEASE AREA BEING A PORTION OF THE LAND WHICH BY DEED DATED MARCH 29, 1972 AND RECORDED AMONG THE AFORESAID LAND RECORDS IN LIBER 253 FOLIO 29 WAS CONVEYED BY HERBERT B. CEASE, RICHARD D. CEASE AND NICHOLAS VOLONAKIS TO JAMES NICHOLAS VOLONAKIS AND PATRICIA ANN VOLONAKIS, AND BEING MORE PARTICULARLY DESCRIBED BY METES AND BOUNDS AS FOLLOWS:

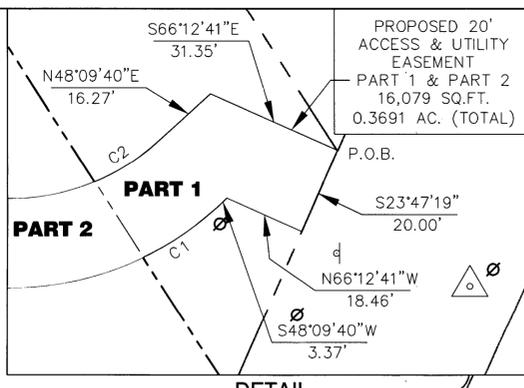
- 1) BEGINNING FOR THE SAME AT THE POINT DISTANT NORTH 80 DEGREES 02 MINUTES 25 SECONDS WEST 636.83 FEET FROM AN IRON PIPE FOUND AT THE EASTERLY END OF THE NORTH 82 DEGREES 09 MINUTES 35 SECONDS WEST 847.08 FOOT LINE OF THE 5.116 AC. PARCEL LAID OUT AND SHOWN ON THE PLAT ENTITLED 'LAND OF HERBERT B. CEASE, ET AL' RECORDED AMONG THE LAND RECORDS OF CHARLES COUNTY, MARYLAND IN PLAT BOOK 18 PAGE 99, SAID POINT OF BEGINNING HAVING THE FOLLOWING COORDINATE VALUE IN THE MARYLAND COORDINATE SYSTEM NAD83(2011) AS NOW SURVEYED: NORTH 286221.85, EAST 1339253.83, AND THENCE LEAVING SAID POINT OF BEGINNING FOR THE FOUR FOLLOWING LINES OF PROPOSED LEASE AREA THROUGH THE LANDS OF JAMES NICHOLAS VOLONAKIS AND PATRICIA ANN VOLONAKIS ACQUIRED BY DEED RECORDED AMONG THE AFORESAID LAND RECORDS IN LIBER 253 FOLIO 29, REFERRING ALL COURSES OF THIS DESCRIPTION TO THE GRID MERIDIAN ESTABLISHED IN THE AFORESAID MARYLAND COORDINATE SYSTEM,
- 2) NORTH 83 DEGREES 31 MINUTES 22 SECONDS WEST 100.00 FEET, THENCE
- 3) SOUTH 83 DEGREES 31 MINUTES 22 SECONDS EAST 100.00 FEET, AND THENCE
- 4) SOUTH 06 DEGREES 28 MINUTES 38 SECONDS WEST 100.00 FEET TO THE POINT OF BEGINNING; CONTAINING 10,000 SQUARE FEET OR 0.2296 ACRES OF LAND, MORE OR LESS, AS NOW SURVEYED BY KCI TECHNOLOGIES, INC. IN NOVEMBER 2013.

**SURVEYOR'S NOTES**

1. ALL DISTANCES ARE GROUND UNLESS OTHERWISE NOTED.
2. HORIZONTAL DATUM IS BASED ON THE MARYLAND STATE PLANE COORDINATE SYSTEM OF 1983 IN US FEET.
3. VERTICAL DATUM IS BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988.
4. REFERENCE: AS SHOWN.
5. THIS PLAN DOES NOT REPRESENT A TITLE SURVEY OR A BOUNDARY SURVEY OF THE PARENT TRACT.
6. INFORMATION SHOWN HEREON BASED ON AN ACTUAL FIELD SURVEY PERFORMED BY KCI ON JULY 27, 2013 AS WELL AS INFORMATION CONTAINED IN THE PUBLIC RECORDS OF THE CHARLES COUNTY CIRCUIT COURT AND TAX OFFICE.
7. THIS BOUNDARY MAP IS INTENDED TO BE DISPLAYED AT A SCALE OF 1 INCH = 100 FEET FOR (24"x36" DRAWINGS) & 1 INCH = 200 FEET (11"x17" DRAWINGS) OR SMALLER.
8. A TITLE REPORT PREPARED BY FIDELITY NATIONAL TITLE INSURANCE COMPANY, COMMITMENT # 17229346 WITH EFFECTIVE DATE JULY 16, 2013 HAS BEEN REVIEWED FOR THE SUBJECT OR PARENT PARCEL (TAX PARCEL 64) CONTAINING THE FOLLOWING ITEMS LISTED UNDER SCHEDULE B, SECTION II (RECORDED LAND RECORD ITEMS (ONLY)): ITEM 8, RIGHT OF WAY IN FAVOR OF STATE ROADS COMMISSION RECORDED IN LIBER 96 FOLIO 184. (CURRENT RIGHT OF WAY FOR PENNS HILL ROAD IS SHOWN HEREON PER CURRENT PLATS AND DEEDS OF RECORD. RELATIONSHIP TO STATE ROAD PLAT CALLED FOR IN DEED CANNOT BE ACCURATELY ASCERTAINED. SMALL STATE EASEMENT AREA ADJACENT TO PENNS HILL ROAD MAY EXIST, UNKNOWN AS TO WHETHER PENNS HILL ROAD IS STILL UNDER STATE JURISDICTION.) ITEM 9, RIGHT OF WAY IN FAVOR OF SUBJECT OR PARENT PARCEL RECORDED IN LIBER 255 FOLIO 189. (GRANTS THE PARENT PARCEL THE CONCURRENT USE OF THE RIGHT OF WAY NOW KNOWN AS MARCUS LANE, AS NOTED HEREON.) ITEM 10, RIGHT OF WAY IN FAVOR OF SOUTHERN MARYLAND ELECTRIC COOPERATIVE, INC. RECORDED IN LIBER 287 FOLIO 289. (RIGHTS OF SMECO TO POWER POLES AND EQUIPMENT ALONG PENNS HILL ROAD, NO SPECIFIC EASEMENT DESCRIBED. POLES AND EQUIPMENT SHOWN HEREON.) ITEM 11, DEED OF TRUST RECORDED IN LIBER 7608 FOLIO 451. (APPLICABLE TO SUBJECT PROPERTY BUT FINANCIAL IN NATURE.)

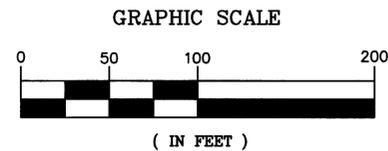
CURVE TABLE			
CURVE	LENGTH	RADIUS	CHORD BEARING
C1	19.88'	70.00'	S56°17'55"W 19.82'
C2	16.77'	50.00'	N57°46'01"E 16.69'
C3	71.73'	70.00'	N86°12'36"W 68.63'
C4	92.96'	55.00'	N41°34'39"W 81.82'
C5	58.71'	35.00'	S41°34'39"E 52.06'
C6	48.67'	50.00'	S84°44'30"E 46.77'

**FLOOD NOTE**  
THE SUBJECT LEASE AND ACCESS ARE INTENDED TO FALL WITHIN ZONE "X" AS SHOWN ON FLOOD INSURANCE RATE MAP (FIRM) 1301003401, EFFECTIVE DATE 9/04/2013.



**LEGEND**

- IRON PIPE FOUND
- POWER POLE
- GUY WIRE
- TREE
- P.O.B.
- POINT OF BEGINNING
- - - OVERHEAD POWER LINE
- - - EASEMENT
- - - WOODSLINE
- - - DITCH



**COMPOUND PLAN**  
SCALE: 11X17: 1" = 100'  
24X36: 1" = 50'



**ENGINEER:**  
ERIC S. KOHL, PE  
MD LICENSE NO.: 26838

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SCALE: AS NOTED  
DATE: 08/21/2013  
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SHEET TITLE  
**COMPOUND PLAN**

SHEET  
**C-2**

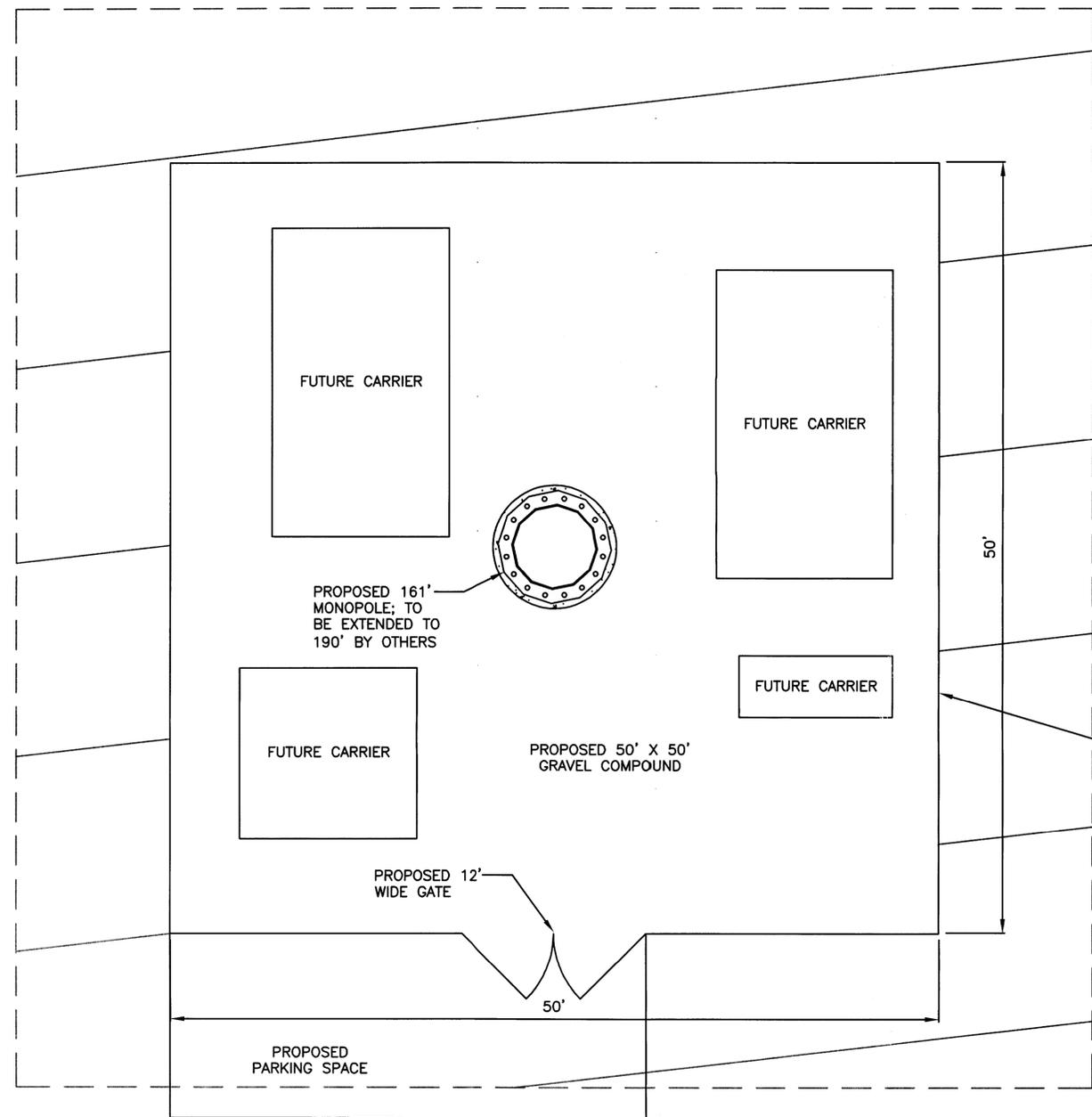
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9435 MARCUS LANE  
LAPLATA, MD. 20646

DRAWN BY: JLC  
CHECKED BY: JUR  
APPROVED BY: JUR

NO.	DATE	DESCRIPTION
A	8-21-13	ISSUED FOR ZONING
0	12-03-13	ISSUED FOR ZONING

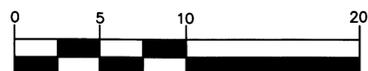


**COMPOUND PLAN**

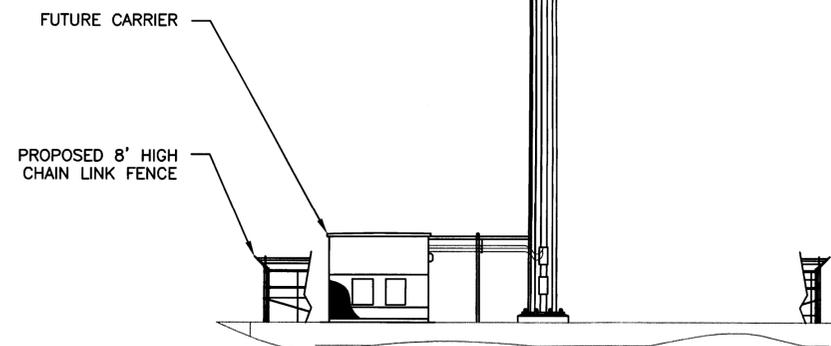
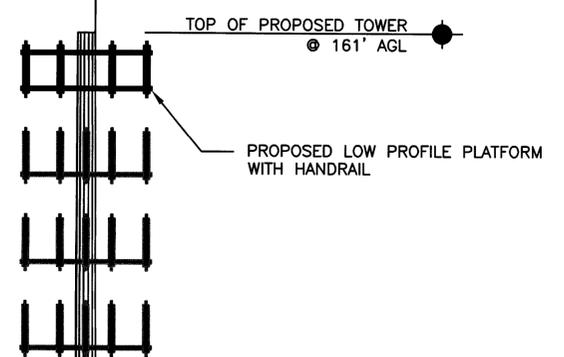
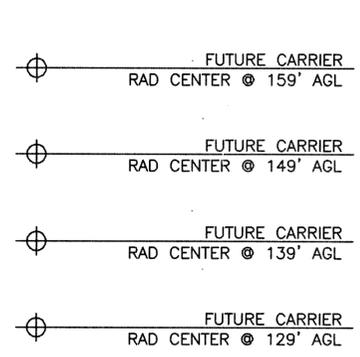
SCALE: 11X17: 1" = 10'  
24X36: 1" = 5'



**GRAPHIC SCALE**



( IN FEET )



**TOWER ELEVATION**

SCALE: 11X17: 1" = 20'  
24X36: 1" = 10'



PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO.: 26838 EXPIRATION DATE: 01-18-2014

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DRAWN BY: JLC  
CHECKED BY: JUR  
APPROVED BY: JUR

**KCI** TECHNOLOGIES  
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**Inste** TOWERING  
**BLACK POWDER**  
9435 MARCUS LANE,  
LAPLATA, MD. 20646

ENGINEER:  
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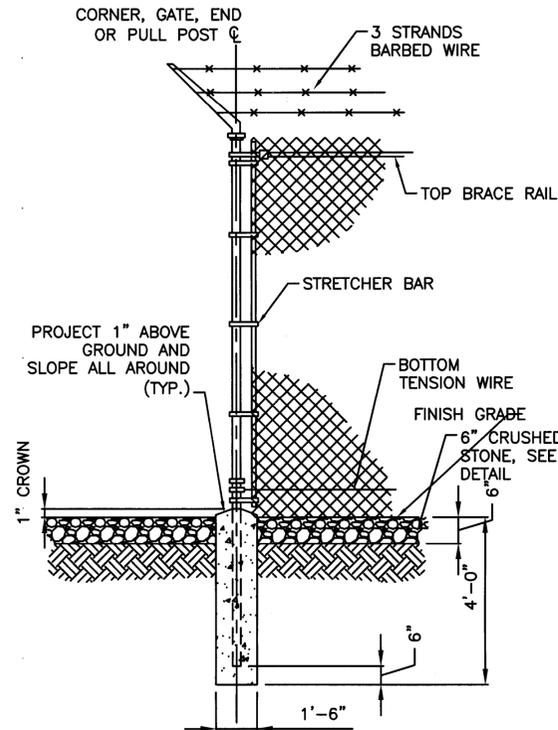
SHEET TITLE  
**TOWER ELEVATION & DETAILS**

SHEET  
**C-3**

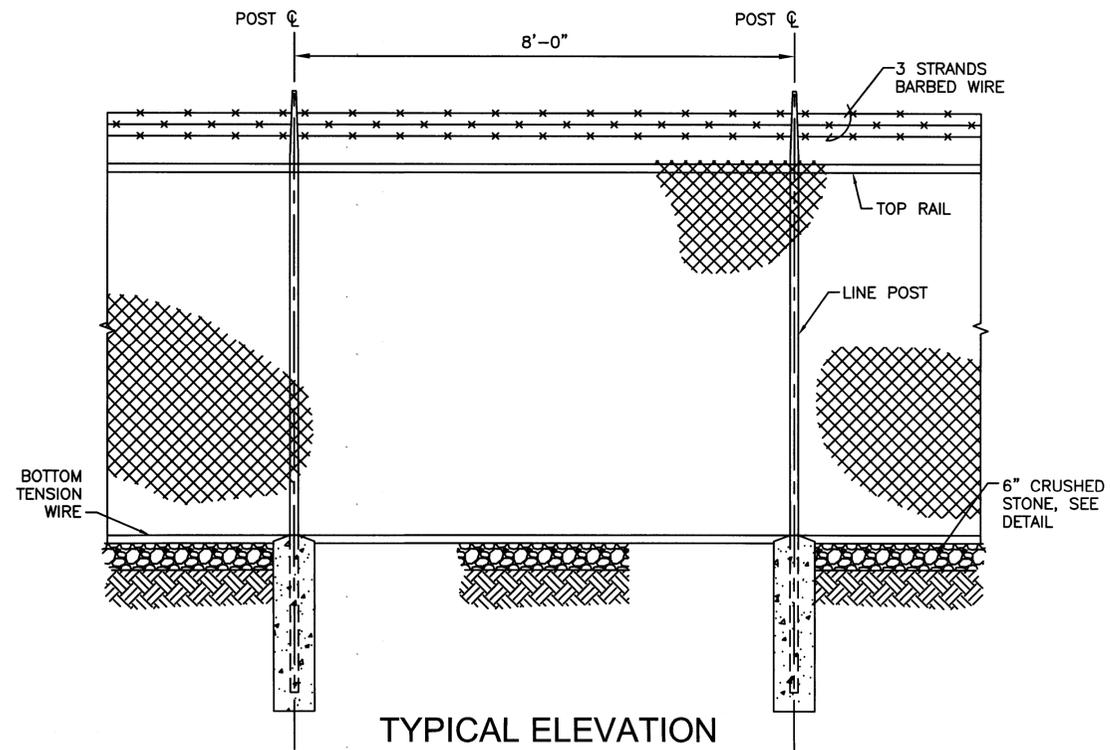
**NOTES:**

(INSTALL FENCING PER ASTM F-567, SWING GATES PER ASTM F- 900).

1. GATE POST: 3 1/2" DIA. SCHEDULE 40 PER ASTM-F 1083.
2. CORNER AND TERMINAL OR PULL POST: 3" DIA. SCHEDULE 40 PER ASTM-F 1083.
3. LINE POST: 2" DIA. SCHEDULE 40 PIPE PER ASTM-F 1083.
4. GATE FRAME: 1 1/2" DIA. SCHEDULE 40 PIPE PER ASTM-F 1083.
5. TOP RAIL AND BRACE RAIL: 1 1/2" DIA. SCHEDULE 40 PIPE PER ASTM-F 1083.
6. FABRIC: 9 GA. CORE WIRE SIZE 2" MESH, CONFORMING TO ASTM-A392.
7. TIE WIRE: MINIMUM 9 GA. GALVANIZED STEEL AT POSTS AND RAILS A SINGLE WRAP OF FABRIC TIE AND AT TENSION WIRE BY HOG RINGS SPACED MAXIMUM 24" INTERVALS.
8. TENSION WIRE: 6 GA. GALVANIZED STEEL.
9. BARBED WIRE DOUBLE STRAND 12-1/2" GA. TWISTED WIRE TO MATCH WITH FABRIC 14 GA., 4 PT. BARBS SPACED ON APPROXIMATELY 5" CENTERS.
10. GATE LATCH: 1-3/8" O.D. PLUNGER ROD WITH MUSHROOM TYPE CATCH AND LOCK, KEYED ALIKE FOR ALL SITES IN A GIVEN MTA.
11. COMPLY WITH ANY LOCAL ORDINANCES REQUIRING PERMITS FOR PLACEMENT OF BARBED WIRE.
12. HEIGHT = 8' VERTICAL AND 1' BARBED WIRE VERTICAL DIMENSION.
13. WARNING SIGNS USING THE INTERNATIONAL SYMBOL OF ELECTRICAL SHOCK HAZARD SHALL BE FURNISHED AND INSTALLED ON THE EXTERIOR OF ALL SIDES OF THE MAIN PERIMETER FENCE AND THE GATE. ADDITIONALLY, SIGNS SHALL BE FURNISHED AND INSTALLED THAT STATE "NO TRESPASSING" IN ENGLISH. THE SIGNS SHALL BE IMPERVIOUS TO WEATHERING AND BE MOUNTED TO AVOID EASE OF REMOVAL BY VANDALS.

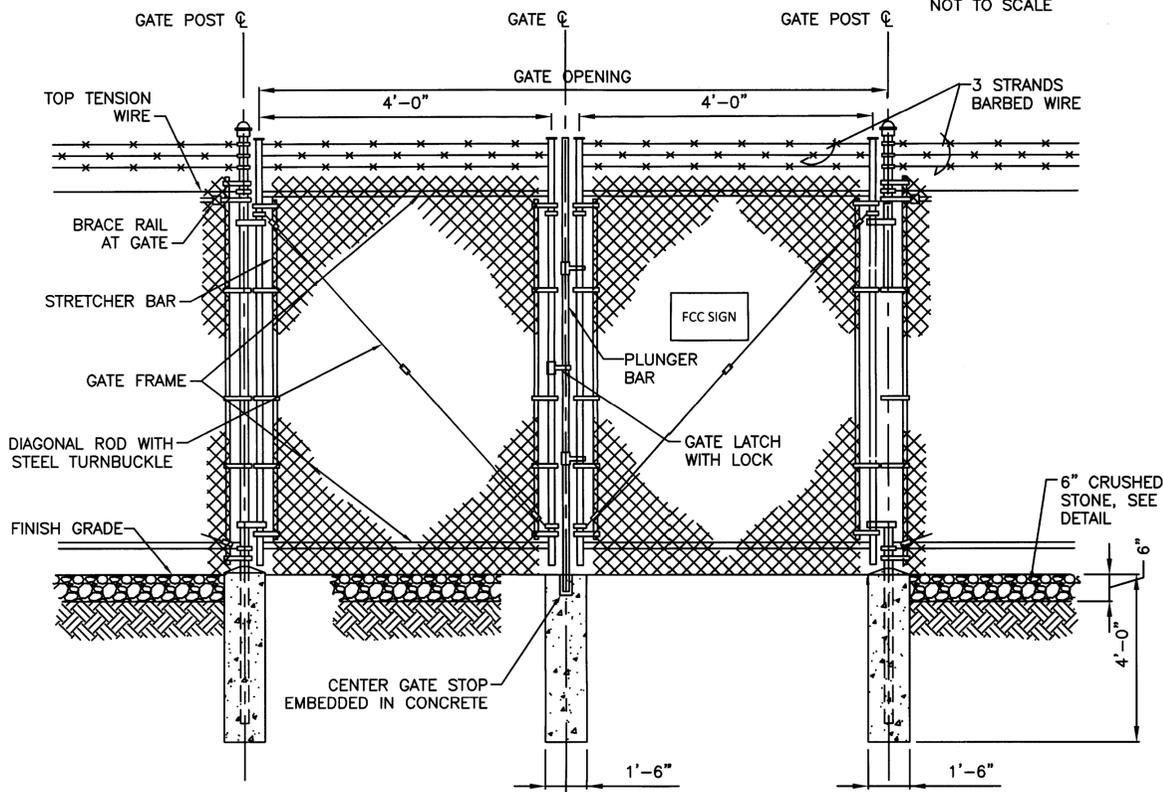


**WOVEN WIRE CORNER, GATE, END OR PULL POST DETAIL**



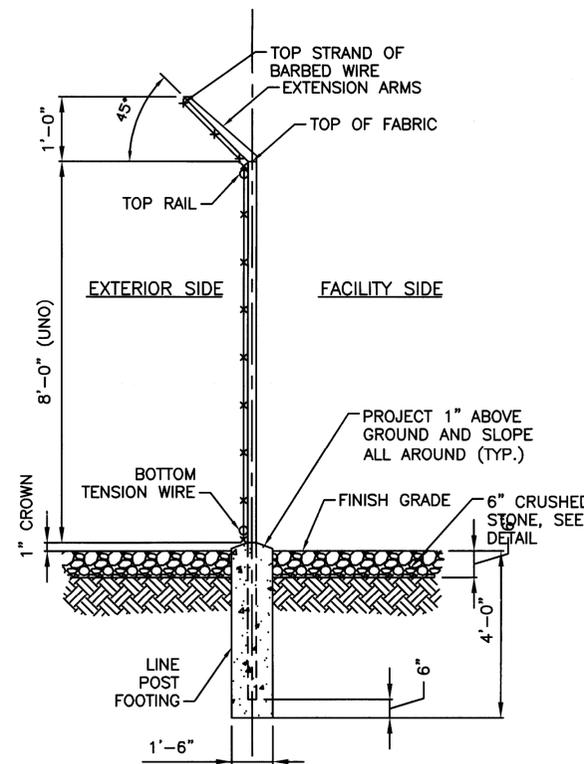
**TYPICAL ELEVATION**

NOT TO SCALE



**DOUBLE SWING GATE DETAIL**

NOT TO SCALE



**WOVEN WIRE FENCE DETAIL**

**TYPICAL SECTION**

NOT TO SCALE

NO.	DATE	DESCRIPTION
A	8-21-13	ISSUED FOR ZONING
0	12-03-13	ISSUED FOR ZONING

DRAWN BY: JLC  
 CHECKED BY: JUR  
 APPROVED BY: JUR

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ENGINEER:  
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 MD LICENSE NO.: 26838

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SCALE: AS NOTED  
 DATE: 08/21/2013  
 KCI JOB NUMBER: 02134177E



SHEET TITLE  
**FENCE DETAILS**

SHEET  
**C-4**

PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DAILY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO.: 26838. EXPIRATION DATE: 01-18-2014