

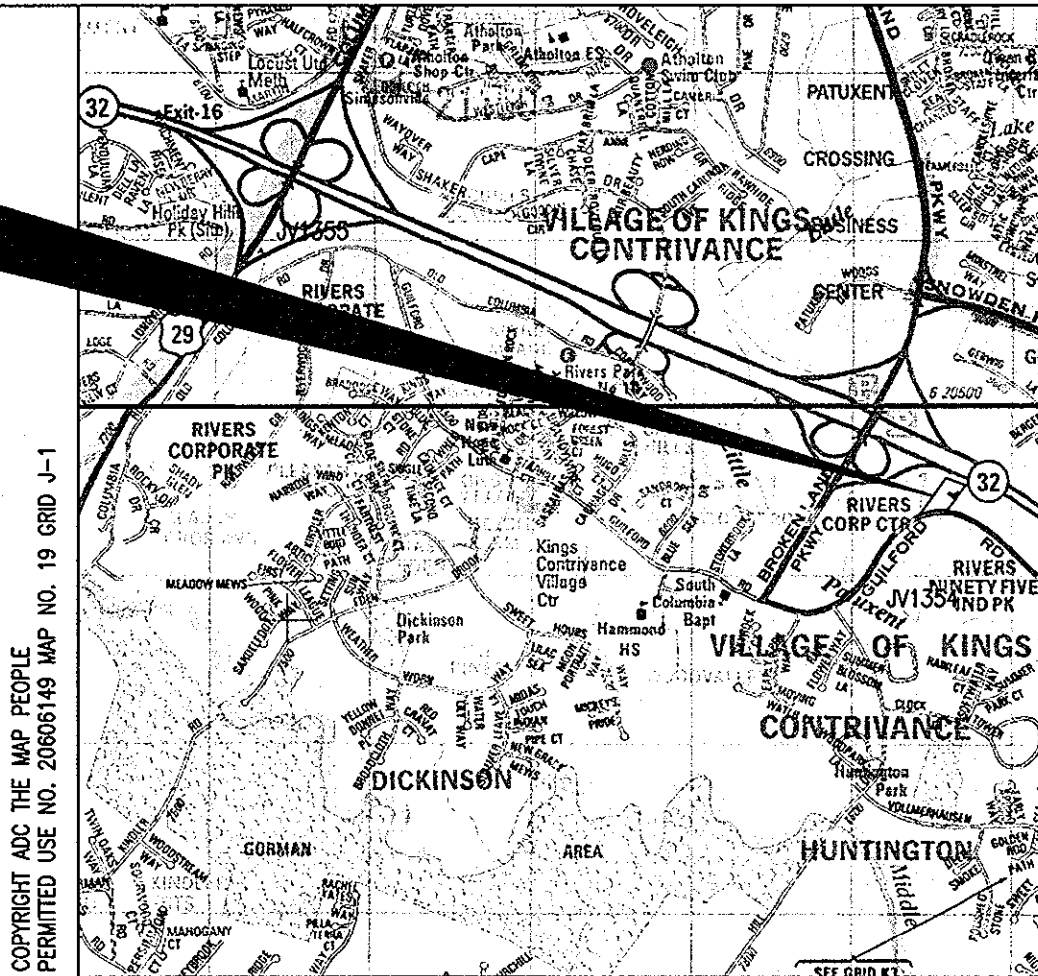
**GENERAL NOTES**

- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST STANDARDS AND SPECIFICATIONS OF HOWARD COUNTY PLUS MSHA STANDARDS AND SPECIFICATIONS IF APPLICABLE.
- THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF PUBLIC WORKS/BUREAU OF ENGINEERING/CONSTRUCTION INSPECTION DIVISION AT (410) 313-1880 AT LEAST FIVE (5) WORKING DAYS PRIOR TO START OF WORK.
- THE CONTRACTOR SHALL NOTIFY "MISS UTILITY" AT 1-800-257-7777 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION WORK BEING DONE.
- NO GRADING, REMOVAL OF VEGETATIVE COVER OR TREES, PAVING AND NEW STRUCTURES SHALL BE PERMITTED OUTSIDE OF THE LIMIT OF DISTURBANCE.
- THE COORDINATES SHOWN HEREON ARE BASED UPON HOWARD COUNTY GEODETIC CONTROL WHICH IS BASED UPON THE MARYLAND STATE PLANE COORDINATE SYSTEM. HOWARD COUNTY MONUMENTS NOS. JV1355 AND JV1354 WERE USED FOR THIS PROJECT.
- WATER SERVICE IS NOT PROPOSED AT THIS SITE.
- SEWER SERVICE IS NOT PROPOSED AT THIS SITE.
- SWM IS NOT REQUIRED AT THIS SITE DUE TO AN AREA OF DISTURBANCE UNDER 5000 SF.
- THERE IS NO FLOODPLAIN ON THIS SITE. THERE ARE NO WETLANDS ON THIS SITE.
- BOUNDARY AND TOPOGRAPHY SHOWN HEREON IS BASED ON FIELD SURVEY BY MORRIS AND RITCHE ASSOCIATES, INC., DATED FEBRUARY 2007.
- A TRAFFIC STUDY IS NOT REQUIRED FOR THIS SITE AS THE PROPOSED SITE WILL BE UNOCCUPIED WITH INFREQUENT VISITS (ONE PER MONTH).
- CONTRACTOR IS RESPONSIBLE FOR ALL SITE CONDITIONS, CONSTRUCTION REQUIREMENTS, AND SHALL CONFORM TO ALL STATE, FEDERAL, AND COUNTY CONSTRUCTION REGULATIONS. THE CONTRACTOR IS NOT RELIEVED OF RESPONSIBILITY SHOULD ANY REQUIRED ITEMS PERTAINING TO SITE CONSTRUCTION NOT BE INCLUDED ON THESE PLANS. CONTRACTOR IS RESPONSIBLE FOR ALL ITEMS NECESSARY TO COMPLETE THE SITE IMPROVEMENTS AS SHOWN ON THESE PLANS.
- LOCATIONS OF EXISTING UTILITIES WERE OBTAINED FROM THE BEST AVAILABLE RECORDS. CONTRACTOR SHALL VERIFY TO HIS/HER SATISFACTION, THE FIELD LOCATIONS OF ALL UTILITIES PRIOR TO THE COMMENCEMENT OF ANY WORK.
- ANY DAMAGE TO EXISTING UTILITIES, PAVEMENT, OR CURB AND GUTTER DUE TO CONSTRUCTION ACTIVITY OUTSIDE THE LIMITS OF DISTURBANCE IS TO BE REPLACED BY THE CONTRACTOR AT HIS OWN EXPENSE.
- CONTRACTOR IS RESPONSIBLE FOR REPLACING ANY PROPERTY MONUMENTS, MARKERS, SIGNS, LIGHTS, OR ANY OTHER EXISTING SITE FEATURES DISTURBED DURING CONSTRUCTION.
- ALL WORK SHALL COMPLY WITH ALL APPLICABLE PROVISIONS OF THE "1994 STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL" PUBLISHED JOINTLY BY THE WATER RESOURCES ADMINISTRATION, SOIL CONSERVATION SERVICE, AND STATE SOIL CONSERVATION COMMITTEE.
- THE SUBJECT PROPERTY IS ZONED M-1 PER THE FEBRUARY 2, 2004 COMPREHENSIVE ZONING PLAN.
- THIS PROJECT IS EXEMPT FROM THE REQUIREMENTS OF SECTION 16.1200 OF THE HOWARD COUNTY CODE FOR FOREST CONSERVATION BECAUSE THE PROPERTY WAS DEVELOPED PRIOR TO DECEMBER 31, 1992 PER SECTION 16.1202 (b)(1)(iv).
- A GEO-TECHNICAL STUDY WAS NOT CONDUCTED FOR THIS SITE.
- ALL COMPACTED FILL SHALL BE IN ACCORDANCE WITH AASHTO T-180 REQUIREMENTS.
- NO EXTERIOR LIGHT IS PROPOSED AT THIS SITE.
- NO LANDSCAPING IS PROPOSED AT THIS SITE.
- THERE ARE NO NATURAL STEEP SLOPES (25% OR >), WITHIN THE PROJECT AREA.
- TRASH DISPOSAL IS NOT REQUIRED AS THE PROPOSED FACILITY IS TO BE UNOCCUPIED.
- PROPOSED BUILDING WILL NOT BE SPRINKLERED.
- THE PROPOSED DEVELOPMENT SHOWN IN THIS PLAN INCLUDES THE INSTALLATION OF A 12'x30' EQUIPMENT SHELTER AT GRADE THAT WILL BE FENCED IN FOR SECURITY PURPOSES. TWELVE (12) ANTENNAS WILL BE INSTALLED ON A FORTWORTH POWERMOUNT POLE WITHIN AN EXISTING BSE TRANSMISSION TOWER. THE PROPOSED FACILITY WILL BE UNOCCUPIED, WITH INFREQUENT VISITS. (ONE PER MONTH).
- THE APPLICANT SHALL BE RESPONSIBLE FOR THE PERMITTING OF THIS WORK WITH THE HOWARD COUNTY PRIOR TO CONSTRUCTION.

# SITE DEVELOPMENT PLAN VERIZON WIRELESS BROKEN LAND

6th ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND  
SDP-07-115

**SITE**



**BENCHMARKS**  
 GEODETIC SURVEY CONTROL: JV1355  
 N 550,835.362  
 E 1,347,017.789  
 ELEVATION: 398.950  
 GEODETIC SURVEY CONTROL: JV1354  
 N 546,725.407  
 E 1,354,783.088  
 ELEVATION: 265.770

**VICINITY MAP**  
SCALE: 1" = 200'

**SHEET INDEX**

1	COVER SHEET
2	SITE PLAN
3	SITE LAYOUT PLAN

**ADDRESS CHART**

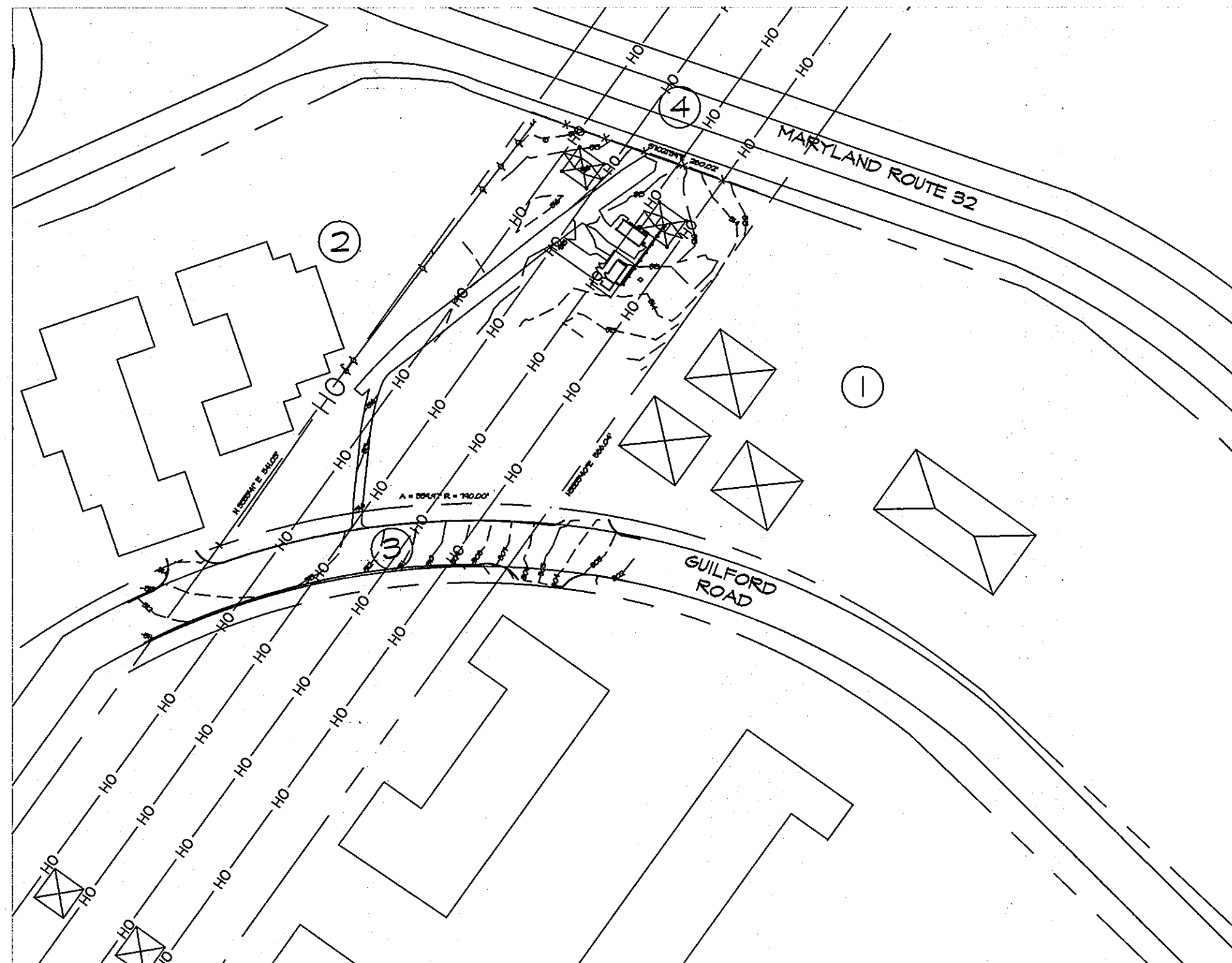
LOT/PARCEL #	STREET ADDRESS
TM PARCEL 163	9097 GUILFORD ROAD

**ADJACENT PROPERTY CHART #**

NO.	OWNER	TAX MAP:
1	COLUMBIA RIVERS CORPORATE PARK	42
2	MCCORMACK PROPERTIES, INC	42
3	GUILFORD ROAD	42
4	MARYLAND ROUTE 32	42

**SITE ANALYSIS DATA CHART**

1. TOTAL PROJECT AREA:	2515 SQUARE FEET 0.057 ACRES +/-
2. AREA OF PLAN SUBMISSION:	2515 SQUARE FEET 0.057 ACRES +/-
3. TOTAL PARCEL ACERAGE:	164003.4 SQUARE FEET 3.765 ACRES +/-
4. LIMIT OF DISTURBANCE:	2515 SQUARE FEET 0.057 ACRES +/-
5. PRESENT ZONING:	M-1
6. PROPOSED USE:	UNOCCUPIED TELECOMMUNICATIONS FACILITY
7. FLOOR SPACE:	360 S.F.
8. MAXIMUM NUMBER OF EMPLOYEES:	0
9. MINIMUM NUMBER OF PARKING SPACES REQUIRED BY ZONING:	2
10. PARKING SPACES PROVIDED:	2
11. EXISTING BUILDING COVERAGE:	0.00778 ACRES
12. PROPOSED BUILDING COVERAGE:	360 SF OR 0.0083 ACRES ±
13. TOTAL BUILDING COVERAGE* (INCLUDING OVERHANGS):	0.01608 ACRES, 0.43% OF TOTAL LOT AREA
14. SANITARY SEWER/ WATER SERVICE:	N/A
15. PROPERTY OWNER	BALTIMORE GAS AND ELECTRIC 1088 NORTH FRONT STREET BALTIMORE, MARYLAND 21202 ROOM 200 ATTN: RENESE OSWALD 410-291-5727
16. PROPERTY OWNER INFORMATION	



**LOCATION MAP**

SCALE: 1" = 100'



**PERMIT INFORMATION CHART**

SUBDIVISION / PROJECT NAME	SECTION/AREA	TM PARCEL			
VERIZON WIRELESS BROKEN LAND	N/A	163			
PLAT # OR L/F	GRID #	ZONING	TAX MAP NO.	ELECT. DIST.	CENSUS TRACT
L 144 F 111	76 9	M-1	42	6	606804
WATER CODE:	SEWER CODE:				
E21	6440000				



**MORRIS & RITCHE ASSOCIATES, INC.**  
 ENGINEERS, PLANNERS, SURVEYORS AND LANDSCAPE ARCHITECTS  
 1220-C EAST JOPPA ROAD, SUITE 505  
 TOWSON, MARYLAND 21286  
 (410) 821-1690  
 FAX (410) 821-1748

SITE DEVELOPMENT PLAN  
VERIZON WIRELESS - BROKEN LAND

**COVER SHEET**

LIBER: 144 ~ FOLIO: 111 ~ TM PARCEL: 163  
 ZONED: M-1 ~ TAX MAPS: 42 ~ GRIDS: 76 9  
 6TH ELECTION DISTRICT ~ HOWARD COUNTY, MARYLAND

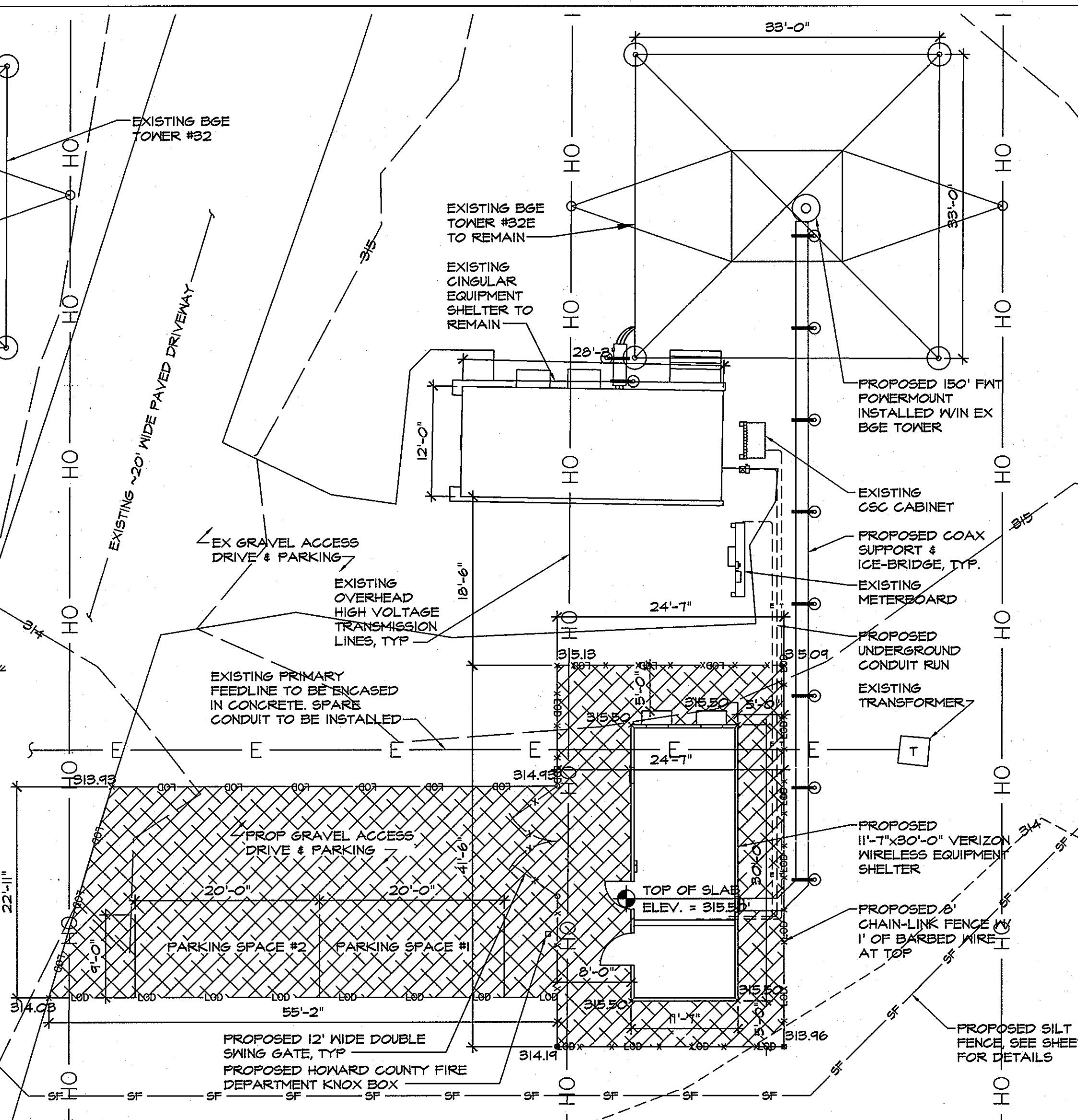
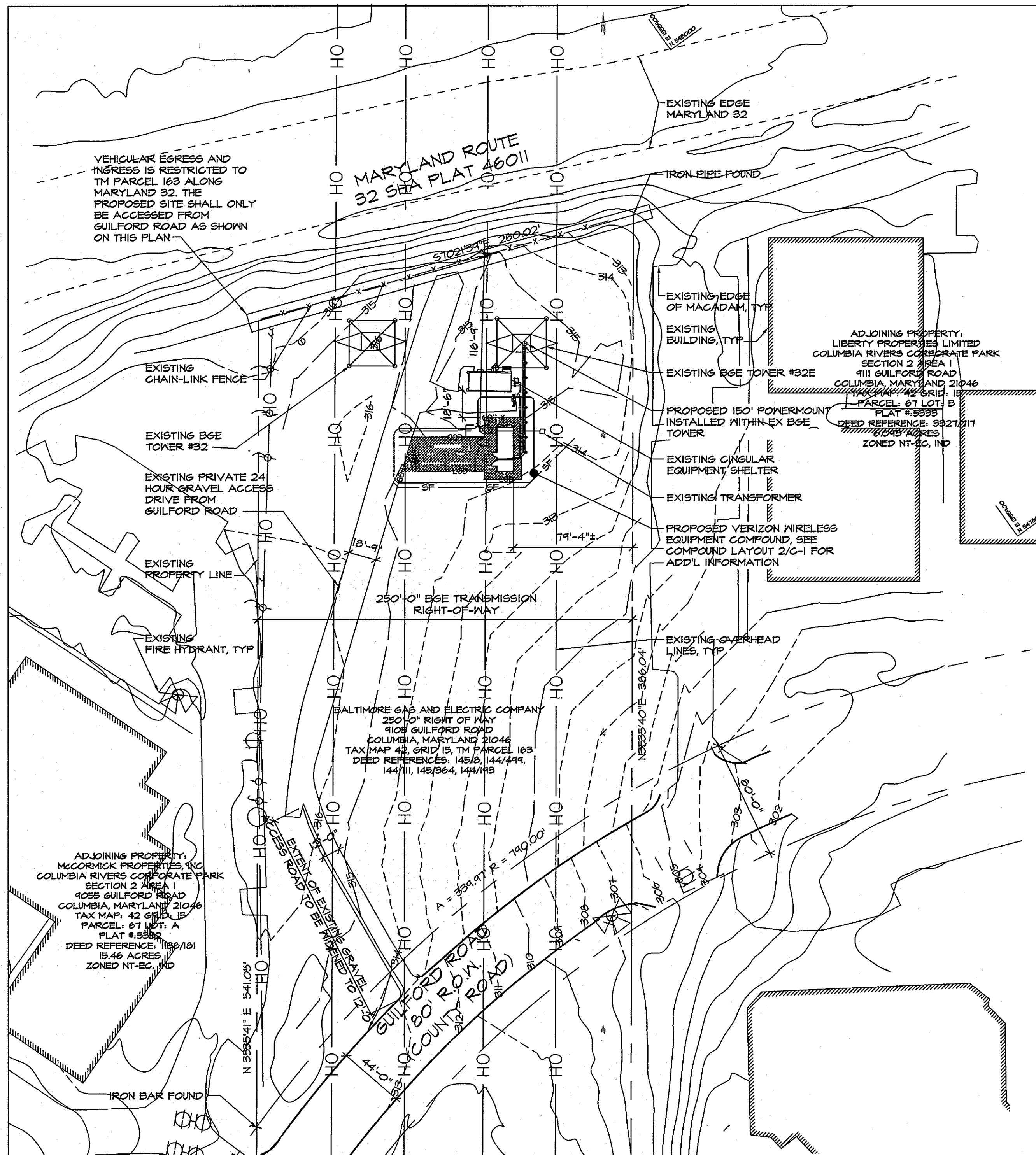
DATE	REVISIONS	JOB NO.:
		10427.370
		SCALE: AS SHOWN
		DATE: 7/17/07
		DRAWN BY: EEO
		DESIGN BY: EEO
		REVIEW BY: BES
		SHEET: 1 OF 3

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. 23303, Expiration Date: 7/7/08

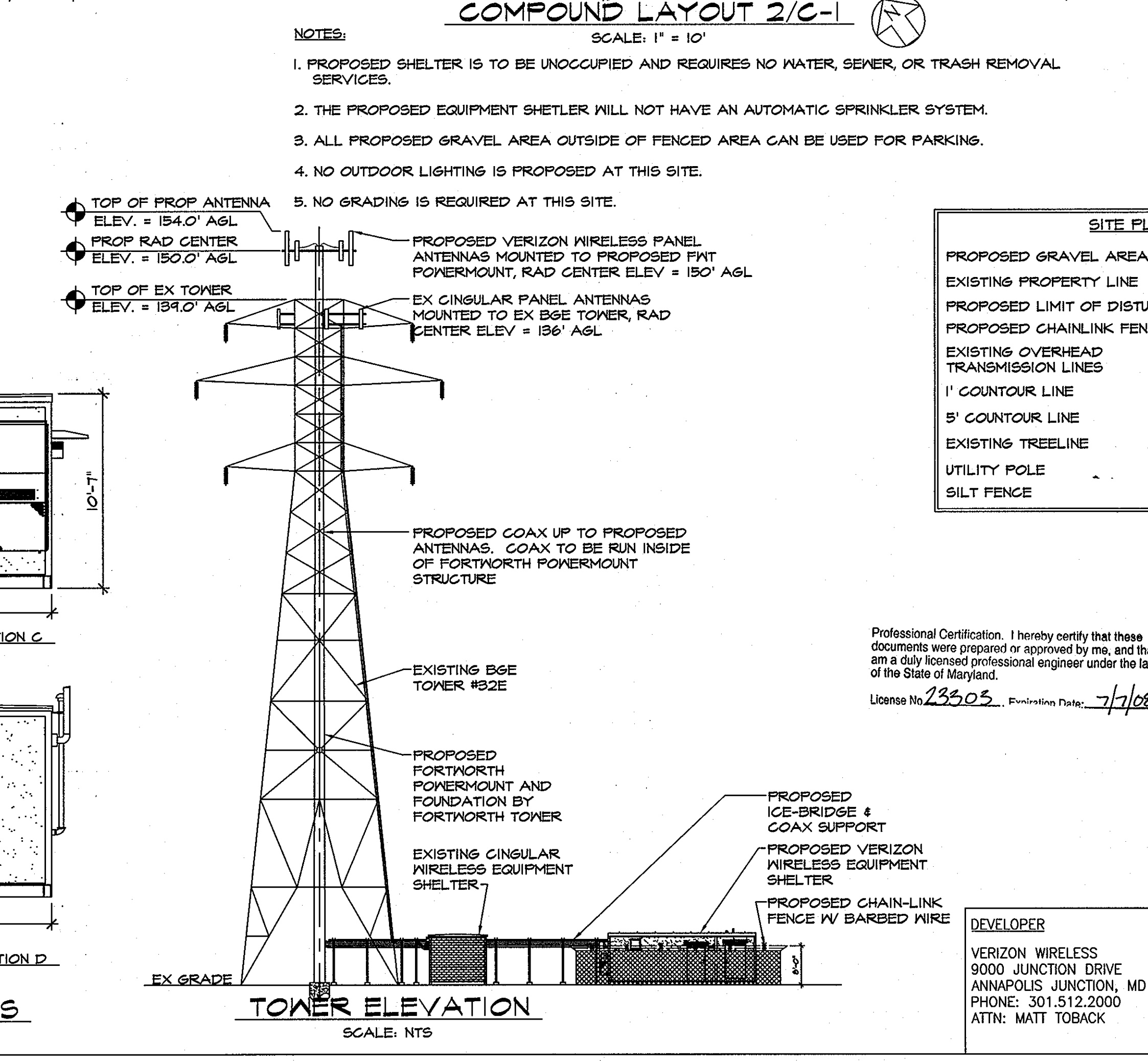
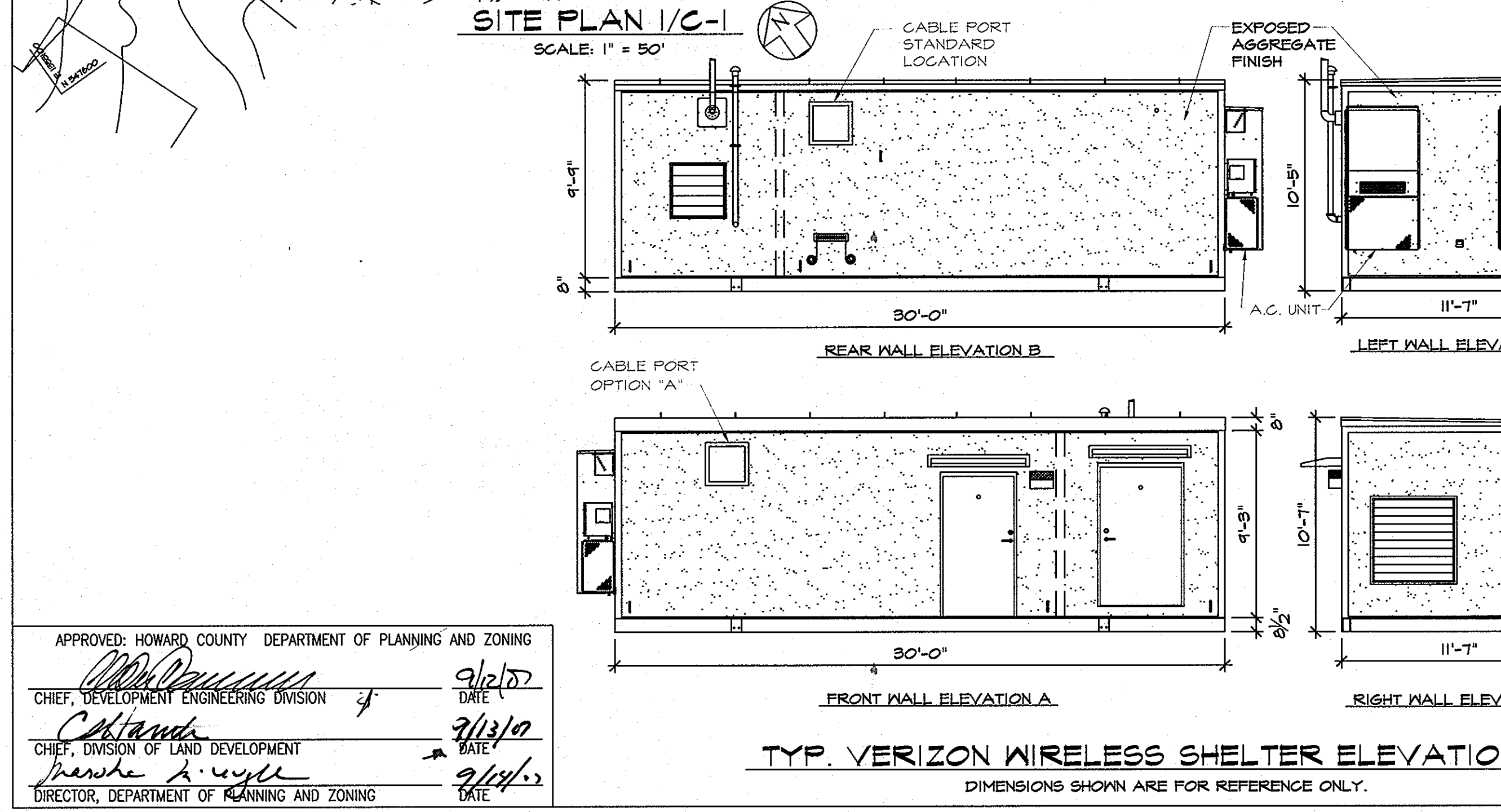
**DEVELOPER**  
 VERIZON WIRELESS  
 9000 JUNCTION DRIVE  
 ANNAPOLIS JUNCTION, MD 20701  
 PHONE: 301.512.2000  
 ATTN: MATT TOBACK

OPTION 2: EXEMPT/DOI	FOREST CONSERVATION DATA SUMMARY
File Number: SDP-07-115	Project/Subdivision Name: VERIZON WIRELESS - BROKEN LAND 9097 GUILFORD ROAD, COLUMBIA MD
Comment: Addressed by How. Co. Subdivision & Land Development Regulations, Sec. 16.1202.(b)(1)(ii) of the Howard County Forest Conservation Manual, chapter two, page two, item one. The entire site was developed prior to the enactment of the 1993 Forest Conservation Act.	

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING  
 [Signature] 9/2/07  
 CHIEF, DEVELOPMENT ENGINEERING DIVISION  
 [Signature] 9/13/07  
 CHIEF, DIVISION OF LAND DEVELOPMENT  
 [Signature] 9/11/07  
 DIRECTOR, DEPARTMENT OF PLANNING AND ZONING



- SITE NOTES**
1. APPLICANT: VERIZON WIRELESS  
4000 JUNCTION DRIVE  
ANNAPOLIS JUNCTION, MD 20701  
TEL: (800) 932-2000  
FAX: (800) 512-2186
  2. APPLICANT'S ATTORNEY: STEVEN P. RESNICK, ESQ.  
116-D CATHEDRAL STREET  
ANNAPOLIS, MARYLAND 21401  
410-261-8400
  3. PROPERTY OWNER: BALTIMORE GAS AND ELECTRIC COMPANY  
1068 NORTH FRONT STREET  
ROOM 200  
BALTIMORE, MARYLAND 21202  
ATTN: RENEE OSWALD  
PHONE: 410-291-5121
  4. SITE DATA: TAX MAP 42, TM PARCEL 163  
DISTRICT: 6  
DEED REFERENCE: 144 / 111  
TRACT AREA: 5.165 AC. +/-  
ADDRESS: 9041 GUILFORD ROAD  
COLUMBIA, MARYLAND 21046  
EXISTING USE: BSE TRANSMISSION RIGHT OF WAY
  5. LATITUDE: N84° 10' 15.51" GROUND ELEVATION: 315.0' AMSL (AVG.)  
LONGITUDE: W76° 50' 44.21" EXISTING STRUCTURE HEIGHT: 184.00' ASL 454.00' AMSL  
PROPOSED TOWER HEIGHT: 150.00' ASL 469.00' AMSL
  6. ZONING: M-1
  7. TOTAL DISTURBED AREA = 2315 SF
  8. THE PROPOSED FACILITIES WILL CONSIST OF ONE (1) 50' LONG x 11'-7" WIDE x 10'-7" HIGH UNOCCUPIED COMMUNICATION EQUIPMENT SHELTER WITHIN A NEW 41'-6" X 24'-7" FENCED COMPOUND. TWELVE (12) ANTENNAS SHALL BE MOUNTED ON A NEW 150'-0" FORT NORTH POWERMOUNT WITH A RAD CENTER AT AN ELEVATION OF 154'-0" FOR THE RECEPTION OF VERIZON WIRELESS TELECOMMUNICATIONS.
  9. THE STRUCTURE WILL NOT SUPPORT LIGHTS OR SIGNS UNLESS REQUIRED FOR AIRCRAFT WARNING OR OTHER SAFETY RECORDS.
  10. THE APPLICANT WILL PROVIDE A CERTIFICATION FROM A REGISTERED ENGINEER THAT THE STRUCTURE WILL MEET THE APPLICABLE DESIGN STANDARDS FOR WIND LOADS, OF THE ELECTRONIC INDUSTRIES ASSOCIATES (EIA).
  11. IF THE ANTENNAS ARE NO LONGER USED FOR TELECOMMUNICATIONS PURPOSES FOR A CONTINUOUS PERIOD OF ONE (1) YEAR, THEY SHALL BE REMOVED BY THE ANTENNA OWNER AT OWNER'S EXPENSE.
  12. NO WATER OR SANITARY UTILITIES ARE REQUIRED FOR THE OPERATION OF THIS FACILITY.
  13. STORMWATER MANAGEMENT NOTE: NO STORMWATER MANAGEMENT IS REQUIRED FOR THIS SITE.
  14. THE EXTERIOR OF THE SHELTER SHALL BE A WASHED STONE FINISH.
  15. BOUNDARY SHOWN PER COUNTY RECORDS. EXISTING SITE FEATURES SHOWN PER SURVEY BY MORRIS & RITCHE ASSOCIATES, INC., FEBRUARY 2007.
  16. THIS PLAN PREPARED WITHOUT THE BENEFIT OF A TITLE REPORT. PLAN IS SUBJECT TO EASEMENTS AND RESTRICTIONS OF RECORD.
  17. ALL DETAILS SHOWN ARE "STANDARD" OR "TYPICAL" FOR REFERENCE ONLY. FOR ACTUAL DETAILS, SEE ARCHITECTURAL, STRUCTURAL OR CONSTRUCTION PLANS BY OTHERS.
  18. STRUCTURAL ANALYSIS/DESIGN TO BE PERFORMED BY OTHERS AT CLIENT AND/OR OWNER'S DISCRETION PRIOR TO COMMENCEMENT OF ANY WORK.
  19. THE COMMUNICATION SHELTER SHALL BE UNMANNED, WITH INFREQUENT VISITS (HOUR OR FEWER PER YEAR) BY MAINTENANCE PERSONNEL, AND WITH ACCESS AND PARKING FOR NO MORE THAN ONE VEHICLE. THE PROPOSED FACILITY IS NOT FOR HUMAN HABITATION AND THEREFORE HANDICAP ACCESS IS NOT REQUIRED.
  20. THE PROPOSED COMMUNICATIONS SHELTER, ANTENNAS AND RELATED MOUNTING DEVICES DO NOT EXCEED FIFTEEN (15) FEET IN TOTAL HEIGHT.



- NOTES**
1. PROPOSED SHELTER IS TO BE UNOCCUPIED AND REQUIRES NO WATER, SEWER, OR TRASH REMOVAL SERVICES.
  2. THE PROPOSED EQUIPMENT SHELTER WILL NOT HAVE AN AUTOMATIC SPRINKLER SYSTEM.
  3. ALL PROPOSED GRAVEL AREA OUTSIDE OF FENCED AREA CAN BE USED FOR PARKING.
  4. NO OUTDOOR LIGHTING IS PROPOSED AT THIS SITE.
  5. NO GRADING IS REQUIRED AT THIS SITE.

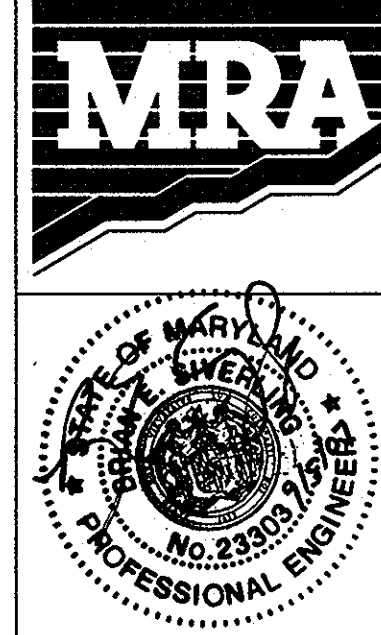
- GENERAL NOTES**
1. CONTRACTOR SHALL NOTIFY "MISS UTILITY" (1-800-281-7771) 48 HOURS PRIOR TO DOING ANY EXCAVATION IN THIS AREA. CONTRACTOR SHALL CONTACT A SUBSURFACE UTILITY LOCATOR FOR LOCATION OF EXISTING UTILITIES PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION ACTIVITIES. CONTRACTOR SHALL VERIFY EXISTING UTILITY LOCATIONS BY TEST PIT AS NECESSARY. LOCATION OF UTILITIES SHOWN ON THIS PLAN ARE APPROXIMATE AND FOR PLANNING PURPOSES ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREE TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES. DAMAGE TO UTILITIES OR PROPERTY OF OTHER BY THE CONTRACTOR DURING CONSTRUCTION SHALL BE REPAIRED TO PRECONSTRUCTION CONDITIONS BY THE CONTRACTOR.
  2. ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH ALL STATE AND LOCAL CODES AND ORDINANCES, THE LATEST EDITION THEREOF.
  3. ANY PERMITS WHICH MUST BE OBTAINED SHALL BE THE CONTRACTOR'S RESPONSIBILITY. CONTRACTOR SHALL SECURE ALL NECESSARY PERMITS FOR THIS PROJECT FROM ALL APPLICABLE GOVERNMENTAL AGENCIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ASSESSING BY ALL CONDITIONS AND REQUIREMENTS OF THE PERMITS.
  4. CONTRACTOR SHALL COORDINATE ALL UTILITY CONNECTIONS WITH APPROPRIATE UTILITY OWNERS.
  5. THESE PLANS ARE NOT FOR RECONSTRUCTION OR CONVEYANCE.
  6. EXISTING PAVEMENT AND OTHER SURFACES DISTURBED BY CONTRACTOR (WHICH ARE NOT TO BE REMOVED) SHALL BE REPAIRED TO PRECONSTRUCTION CONDITIONS BY THE CONTRACTOR.

**SITE PLAN LEGEND**

PROPOSED GRAVEL AREA	
EXISTING PROPERTY LINE	
PROPOSED LIMIT OF DISTURBANCE	
PROPOSED CHAINLINK FENCE	
EXISTING OVERHEAD TRANSMISSION LINES	
1' CONTOUR LINE	
5' CONTOUR LINE	
EXISTING TREELINE	
UTILITY POLE	
SILT FENCE	

**PERMIT INFORMATION CHART**

SUBDIVISION / PROJECT NAME	SECTION/AREA	TM PARCEL
VERIZON WIRELESS BROKEN LAND	N/A	163
PLAT # OR L/F	GRID #	ZONING
L 144 F 111	7 9	M-1
TAX MAP NO.	ELECT. DIST.	CENSUS TRACT
42	6	608804
WATER CODE:	SEWER CODE:	
E21	6440000	



**MORRIS & RITCHE ASSOCIATES, INC.**  
ENGINEERS, PLANNERS, SURVEYORS AND LANDSCAPE ARCHITECTS  
1220-C EAST JOPPA ROAD, SUITE 505  
TOWSON, MARYLAND 21286  
(410) 821-1690  
FAX (410) 821-1748

**SITE DEVELOPMENT PLAN**  
VERIZON WIRELESS - BROKEN LAND  
**SITE PLAN**  
LIBER: 144 ~ FOLIO: 111 ~ TM PARCEL: 163  
ZONED: M-1 ~ TAX MAPS: 42 ~ GRIDS: 7 9  
6TH ELECTION DISTRICT ~ HOWARD COUNTY, MARYLAND

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING  
CHIEF, DEVELOPMENT ENGINEERING DIVISION  
DATE: 9/26/07  
CHIEF, DIVISION OF LAND DEVELOPMENT  
DATE: 9/13/07  
DIRECTOR, DEPARTMENT OF PLANNING AND ZONING  
DATE: 9/14/07

**REVISIONS**

DATE	REVISIONS	JOB NO.:
		10427.370
		SCALE: AS SHOWN
		DATE: 7/17/07
		DRAWN BY: EEO
		DESIGN BY: EEO
		REVIEW BY: BES
		SHEET: 2 OF 3

**SEQUENCE OF CONSTRUCTION:**

1. CLEAR AND GRUB TO INSTALL SILT FENCE. (1 DAY)
2. AFTER SILT FENCE IS IN PLACE, CLEAR AND GRUB THE REMAINDER OF THE SITE. (1 DAY)
3. BEGIN CONSTRUCTION OF THE DRIVES AND PARKING AREAS. (2 DAYS)
6. BEGIN BUILDING CONSTRUCTION. AFTER COMPLETION OF THE BUILDING PLACE THE GRAVEL SURFACE. REMOVE THE TEMPORARY DIVERSION DIKES AND TOPSOIL AND SEED ALL DISTURBED AREAS. (14 DAYS)
4. AFTER CONSTRUCTION OPERATIONS HAVE ENDED AND ALL DISTURBED AREAS HAVE BEEN STABILIZED, THE SEDIMENT CONTROLS SHALL BE REMOVED AND THE DISTURBED AREAS PERMANENTLY STABILIZED WITH VEGETATION. (1 DAY)

\*TIMEFRAMES ARE APPROXIMATE

**PROPERTY OWNER:**

BALTIMORE GAS AND ELECTRIC  
1069 NORTH FRONT STREET  
ROOM 300  
BALTIMORE, MARYLAND 21202  
ATTN: RENEE OSWALD  
410-241-5121

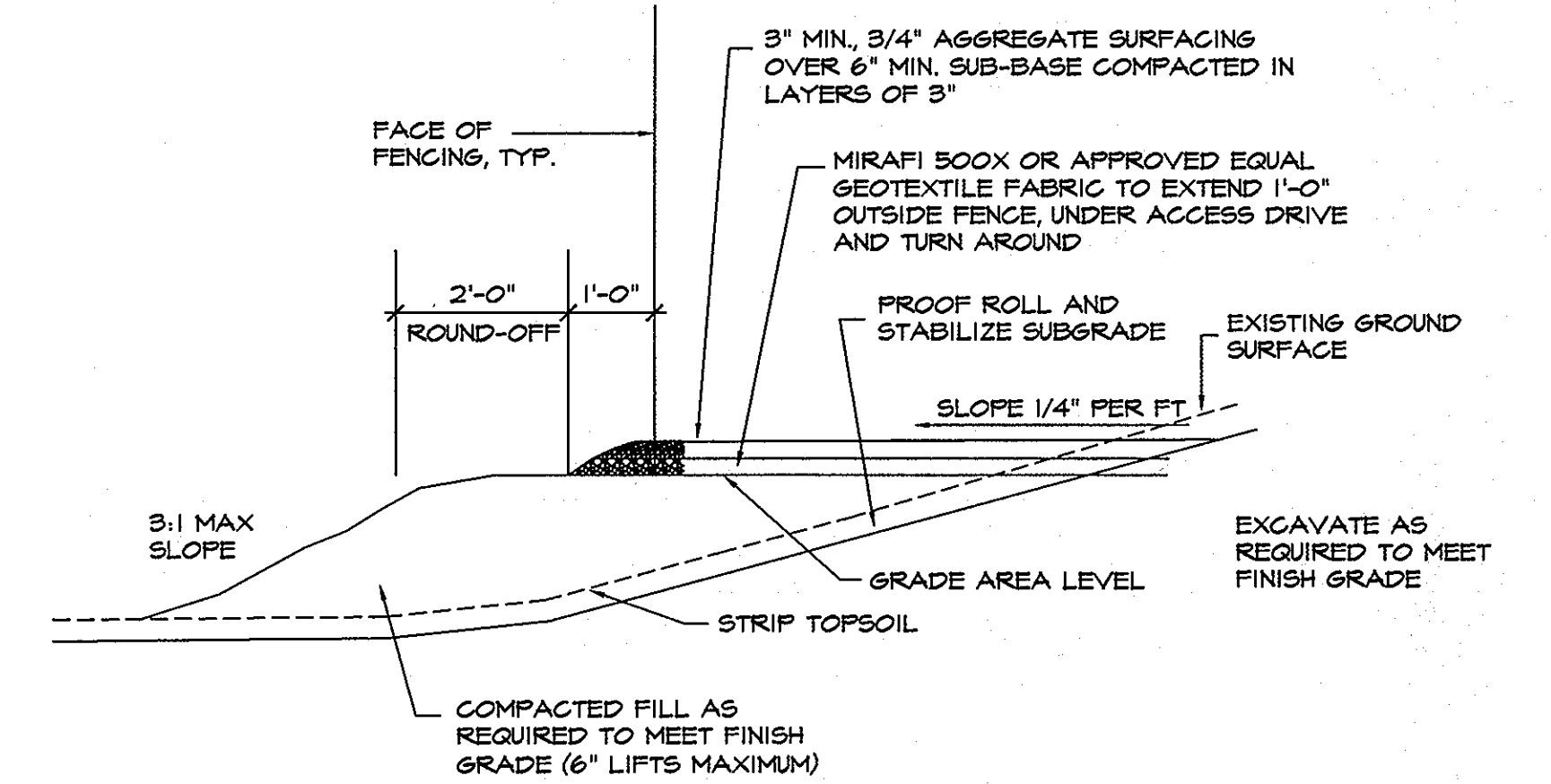
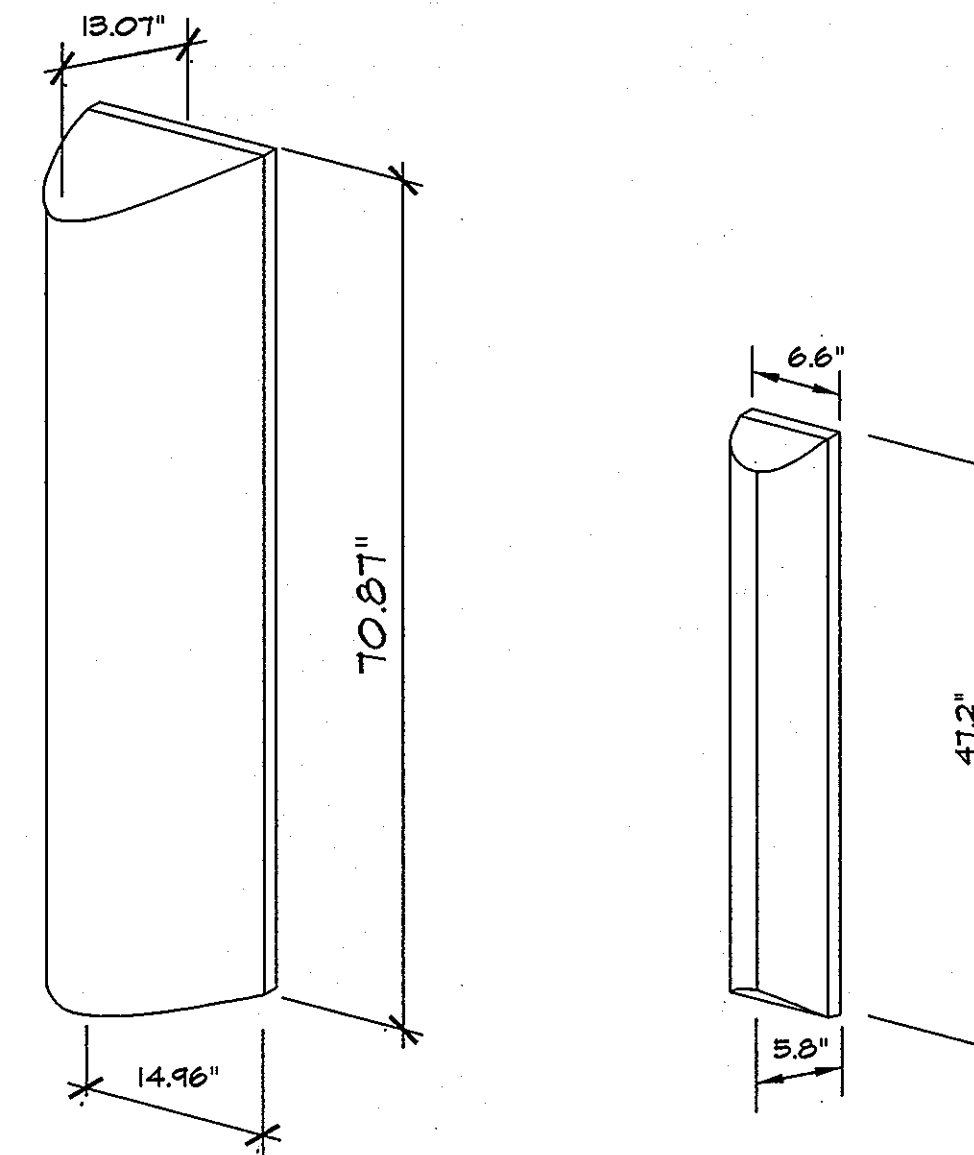
**HOWARD SOIL CONSERVATION DISTRICTS  
STANDARD SEDIMENT CONTROL NOTES**

1. A MIN. OF 48 HOURS NOTICE MUST BE GIVEN TO THE HOWARD CO. DEPARTMENT OF INSPECTIONS, LICENSES AND PERMITS, SEDIMENT CONTROL DIVISION PRIOR TO THE START OF ANY CONSTRUCTION (813-1858)
  2. ALL VEGETATION AND STRUCTURAL ARE TO BE INSTALLED ACCORDING TO THE PROVISIONS OF THIS PLAN AND ARE TO BE IN CONFORMANCE WITH THE MOST CURRENT MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL AND REVISIONS THERETO.
  3. FOLLOWING INITIAL SOIL DISTURBANCE OR RE-DISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN: A) 7 CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES DIKES, PERIMETER SLOPES AND ALL SLOPES GREATER THAN 3:1, B) 14 DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.
  4. ALL SEDIMENT TRAPS/BASINS SHOWN MUST BE FENCED AND WARNING SIGNS POSTED AROUND THE PERIMETER IN ACCORDANCE WITH VOL. 1, CHAPTER 12 OF THE HOWARD COUNTY DESIGN MANUAL, STORM DRAINAGE.
  5. ALL DISTURBED AREAS MUST BE STABILIZED WITHIN THE TIME PERIOD SPECIFIED ABOVE IN ACCORDANCE WITH THE 1984 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR PERMANENT SEEDING (SEC. 51), SOD (SEC. 54), TEMPORARY SEEDING (SEC. 50) AND MULCHING (SEC. 52). TEMPORARY STABILIZATION WITH MULCH ALONE CAN ONLY BE DONE WHEN RECOMMENDED SEEDING DATES DO NOT ALLOW FOR PROPER GERMINATION AND ESTABLISHMENT OF GRASSES.
  6. ALL SEDIMENT CONTROL STRUCTURES ARE TO REMAIN IN PLACE AND ARE TO BE MAINTAINED IN OPERATIVE CONDITION UNTIL PERMISSION FOR THEIR REMOVAL HAS BEEN OBTAINED FROM HOWARD COUNTY SEDIMENT CONTROL INSPECTOR
  7. SITE ANALYSIS:  
TOTAL AREA OF SITE 0.081 AC.  
AREA DISTURBED 0.081 AC.  
AREA TO BE ROOFED OR PAVED 0.0083 AC.  
AREA TO BE VEGETATIVELY STABILIZED 0.0487 AC.  
TOTAL CUT 0 CU. YDS.\*  
TOTAL FILL 0 CU. YDS.\*  
TOTAL TOPSOIL 0 CU. YDS.\*  
OFF SITE WASTE/BORROW AREA LOCATION
8. ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTRIBUTED BY GRADING ACTIVITY FOR PLACEMENT OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF DISTURBANCE.
9. ADDITIONAL SEDIMENT MUST BE PROVIDED, IF DEEMED NECESSARY BY THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
10. ON ALL SITES WITH DISTURBED AREAS IN ACCESS OF 2 ACRES, APPROVAL OF THE INSPECTION AGENCY SHALL BE REQUESTED UPON COMPLETION OF INSTALLATION OF PERIMETER EROSION AND SEDIMENT CONTROLS, BUT BEFORE PROCEEDING WITH ANY OTHER EARTH DISTURBANCE OR GRADING. OTHER BUILDING OR GRADING INSPECTION APPROVALS MAY NOT BE AUTHORIZED UNTIL THIS INITIAL APPROVAL BY THE INSPECTION AGENCY IS MADE.
11. TRENCHES FOR THE UTILITIES IS LIMITED TO THREE PIPE LENGTHS OR THAT WHICH SHALL BE BACK-FILLED AND STABILIZED BY THE END OF EACH WORK DAY, WHICHEVER IS SHORTER.
- NOTE: UNSUITABLE MATERIAL SHALL BE REMOVED FROM THE SITE AND DISPOSED OF AT AN OFF-SITE AREA COVERED BY AN ACTIVE GRADING PERMIT WITH FUNCTIONING EROSION & SEDIMENT CONTROLS IN PLACE.
- \* THE EARTHWORK QUANTITIES SHOWN HEREON ARE FOR INFORMATION PURPOSES ONLY. MRA MAKES NO GUARANTEE OF ACCURACY OF QUANTITIES OR BALANCE OF SITE. THE DEVELOPER AND CONTRACTOR SHALL TAKE FULL RESPONSIBILITY OF ACTUAL EARTHWORK QUANTITIES ENCOUNTERED DURING CONSTRUCTION.

**ANTEL LPA 80063/6CF ANTEL LPA-185063/8CF**

**VERIZON WIRELESS - ANTENNA DETAILS**

NOT TO SCALE

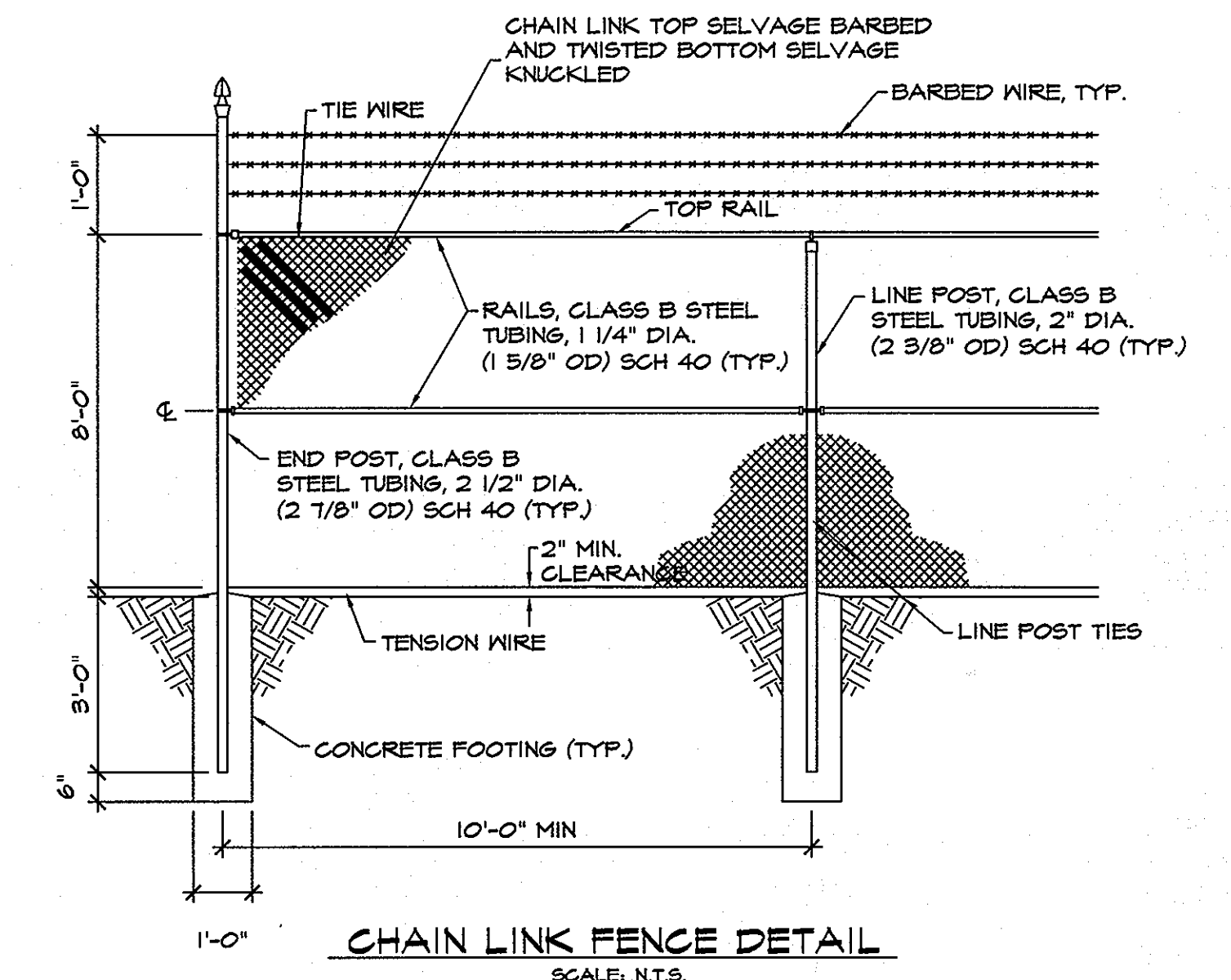
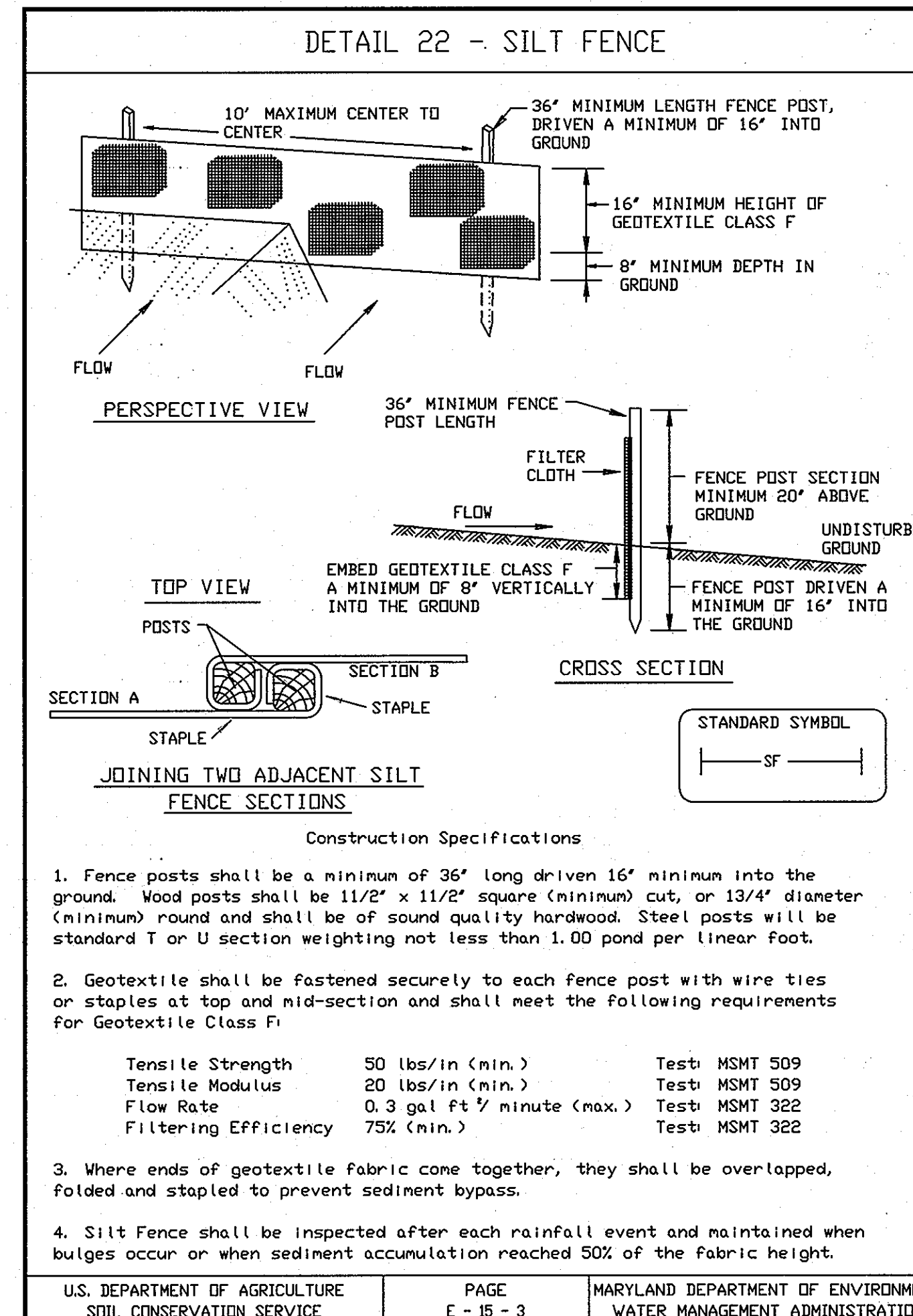


**CONSTRUCTION NOTES:**

1. CLEAR AND GRUB THE LAND ALONG THE ACCESS DRIVE.
2. REMOVE ALL EXISTING ORGANIC MATERIAL TO SUITABLE SUBGRADE.
3. PLACE GEOTEXTILE FABRIC OVER SUBGRADE AND THEN PLACE AGGREGATE BASE.
4. GRAVEL SUBBASE SPECIFICATION:  
MARYLAND DOT:  
SECTION 804 GRADED AGGREGATE BASE COURSE  
VIRGINIA DHT:  
SECTION 210 AGGREGATE BASE COURSE

**LEASE AREA, ACCESS DRIVE AND  
TURN AROUND AREA SURFACING**

SCALE: N.T.S.

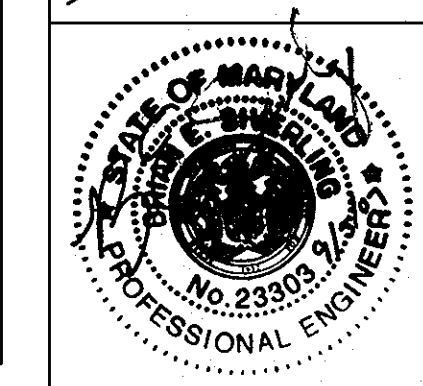


Professional Certification. I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland.  
License No. 23303 Expiration Date: 7/1/08

PERMIT INFORMATION CHART					
SUBDIVISION / PROJECT NAME VERIZON WIRELESS BROKEN LAND	SECTION/AREA N/A	TM PARCEL 163			
PLOT # OR L/F L 144 F 111	GRID # 769	ZONING M-1	TAX MAP NO. 42	ELECT. DIST. 6	CENSUS TRACT 608904
WATER CODE: E21		SEWER CODE: 6440000			



**MORRIS & RITCHIE ASSOCIATES, INC.**  
ENGINEERS, PLANNERS, SURVEYORS AND LANDSCAPE ARCHITECTS  
1220-C EAST JOPPA ROAD, SUITE 505  
TOWSON, MARYLAND 21286  
(410) 821-1690  
FAX (410) 821-1748



**SITE DEVELOPMENT PLAN  
VERIZON WIRELESS - BROKEN LAND**

**SITE DETAILS**

LIBER: 144 ~ FOLIO: 111 ~ TM PARCEL: 163  
ZONED: M-1 ~ TAX MAPS: 42 ~ GRIDS: 769  
6TH ELECTION DISTRICT ~ HOWARD COUNTY, MARYLAND

SITE PLAN LEGEND	
PROPOSED GRAVEL AREA	[Symbol]
EXISTING PROPERTY LINE	[Symbol]
PROPOSED LIMIT OF DISTURBANCE	[Symbol]
PROPOSED CHAINLINK FENCE	[Symbol]
EXISTING OVERHEAD TRANSMISSION LINES	[Symbol]
1' CONTOUR LINE	[Symbol]
5' CONTOUR LINE	[Symbol]
EXISTING TREELINE	[Symbol]
UTILITY POLE	[Symbol]

DATE	REVISIONS	JOB NO.:
		10427.370
		SCALE: AS SHOWN
		DATE: 7/17/07
		DRAWN BY: EEO
		DESIGN BY: EEO
		REVIEW BY: BES
		SHEET: 3 OF 3

**DEVELOPER**  
VERIZON WIRELESS  
9000 JUNCTION DRIVE  
ANNAPOLIS JUNCTION, MD 20701  
PHONE: 301.512.2000  
ATTN: MATT TOBACK

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING  
[Signature] 9/12/07  
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE  
[Signature] 9/12/07  
CHIEF, DIVISION OF LAND DEVELOPMENT DATE  
[Signature] 7/17/07  
DIRECTOR, DEPARTMENT OF PLANNING AND ZONING DATE