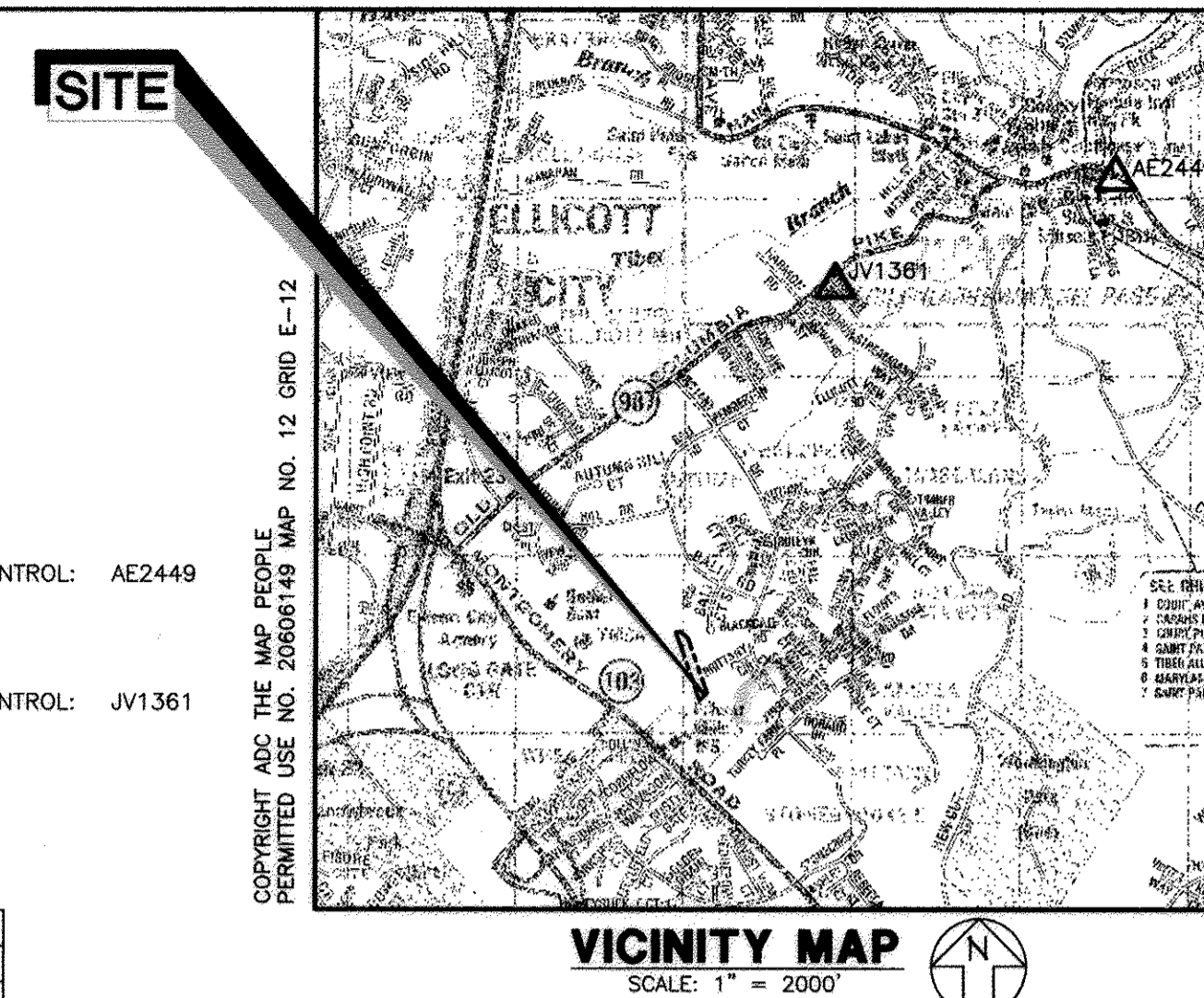


GENERAL NOTES

- 1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST STANDARDS AND SPECIFICATIONS OF HOWARD COUNTY PLUS MSHA STANDARDS AND SPECIFICATIONS IF APPLICABLE.
2. 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.
3. THE CONTRACTOR SHALL NOTIFY "MISS UTILITY" AT 811 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION WORK BEING DONE.
4. NO GRADING, REMOVAL OF VEGETATIVE COVER OR TREES, PAVING AND NEW STRUCTURES SHALL BE PERMITTED OUTSIDE THE LIMIT OF DISTURBANCE.
5. 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. AE2449 AND JV1361 WERE USED FOR THIS PROJECT.
6. WATER SERVICE IS NOT PROPOSED AT THIS SITE.
7. SEWER SERVICE IS NOT PROPOSED AT THIS SITE.
8. STORMWATER MANAGEMENT IS REQUIRED AT THIS SITE DUE TO AN AREA OF DISTURBANCE OVER 5000 SF.
9. BOUNDARY AND TOPOGRAPHY SHOWN HEREON IS BASED ON FIELD SURVEY BY MORRIS AND RITCHE ASSOCIATES, INC., DATED OCTOBER 2007.
10. A TRAFFIC STUDY IS NOT REQUIRED FOR THIS SITE AS THE PROPOSED SITE WILL BE UNOCCUPIED WITH INFREQUENT VISITS (ONE PER MONTH).
11. 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.
12. 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.
13. 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.
14. CONTRACTOR IS RESPONSIBLE FOR REPLACING ANY PROPERTY MONUMENTS, MARKERS, SIGNS, LIGHTS, OR ANY OTHER EXISTING SITE FEATURES DISTURBED DURING CONSTRUCTION.
15. 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.
16. THE SUBJECT PROPERTY IS ZONED R-20 RESIDENTIAL PER THE 2/2/04 COMPREHENSIVE ZONING PLAN AND PER THE "COMP LITE" ZONING AMENDMENTS EFFECTIVE 7/28/06.
17. THIS PLAN IS EXEMPT FROM THE REQUIREMENTS OF SECTION 16.1200 OF THE HOWARD COUNTY CODE FOR FOREST CONSERVATION, PER SECTION 16.1202 (b)(1)(x) FOR CUTTING OR CLEARING OF PUBLIC UTILITY RIGHTS-OF-WAY LICENSED UNDER ARTICLE 78 OF THE ANNOTATED CODE OF MARYLAND.
18. A GEO-TECHNICAL STUDY WAS NOT CONDUCTED FOR THIS SITE.
19. ALL COMPACTED FILL SHALL BE IN ACCORDANCE WITH AASHTO T-180 REQUIREMENTS.
20. NO EXTERIOR LIGHT IS PROPOSED AT THIS SITE.
21. THERE ARE NO NATURAL STEEP SLOPES (25% OR >), WITHIN THE PROJECT AREA.
22. TRASH DISPOSAL IS NOT REQUIRED AS THE PROPOSED FACILITY IS TO BE UNOCCUPIED.
23. PROPOSED BUILDING WILL NOT HAVE SPRINKLERS.
24. 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 BGE TRANSMISSION TOWER. THE PROPOSED FACILITY WILL BE UNOCCUPIED, WITH INFREQUENT VISITS. (ONE PER MONTH).
25. THE APPLICANT SHALL BE RESPONSIBLE FOR THE PERMITTING OF THIS WORK WITH HOWARD COUNTY PRIOR TO CONSTRUCTION.
26. NO GRADING, REMOVAL OF VEGETATIVE COVER OR TREES, PAVING, AND NEW STRUCTURES SHALL BE PERMITTED WITHIN THE REQUIRED WETLANDS, STREAM(S) OR THEIR BUFFERS, FOREST CONSERVATION EASEMENT AREAS AND 100 YEAR FLOODPLAIN.
27. DRIVEWAYS SHALL BE PROVIDED PRIOR TO ISSUANCE OF A USE AND OCCUPANCE PERMIT FOR ANY NEW DWELLINGS TO INSURE SAFE ACCESS FOR FIRE AND EMERGENCY VEHICLES PER THE FOLLOWING MINIMUM REQUIREMENTS:
i. WIDTH - 12' (18' SERVING MORE THAN ONE RESIDENCE)
ii. SURFACE - 6" OF COMPACTED CRUSHER RUN BASE WITH TAR AND CHIP COATING (1 1/2" MIN)
iii. GEOMETRY - MAXIMUM 15% GRADE, MAXIMUM 10% GRADE CHANGE, AND MINIMUM 45' TURNING RADIUS
iv. STRUCTURES (CULVERTS/BRIDGES) - CAPABLE OF SUPPORTING 25 GROSS TONS (H25 LOADING)
v. DRAINAGE ELEMENTS - CAPABLE OF SAFELY PASSING 100-YEAR FLOOD WITH NO MORE THAN 1 FOOT DEPTH OVER DRIVEWAY SURFACE
vi. MAINTENANCE - SUFFICIENT TO INSURE ALL WEATHER USE.
28. THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE PROVISIONS OF SECTION 16.124 OF THE HOWARD COUNTY CODE AND THE LANDSCAPE MANUAL. SURETY FOR THE REQUIRED 130 LINEAR FEET OF FENCE PLUS THE 21 SHRUBS IN THE AMOUNT OF \$1930.00 SHALL BE POSTED AT THE TIME OF ISSUANCE OF THE GRADING PERMIT FOR THIS SITE.
29. THE EXISTING TOPOGRAPHY IS TAKEN FROM A FIELD RUN SURVEY WITH 2' CONTOUR INTERVALS PREPARED BY MORRIS AND RITCHE ASSOCIATES, INC DATED OCTOBER 2007.
30. THE CONTIGUOUS PARCELS SHOWN ON THIS PLAN (WITHIN THE BGE RIGHT-OF-WAY) ARE BEING DEVELOPED AS AN INTEGRATED DEVELOPMENT BY VERIZON WIRELESS IN ACCORDANCE WITH SECTION 128.A.10 OF THE ZONING REGULATIONS.

SITE DEVELOPMENT PLAN
VERIZON WIRELESS
LONG GATE
BGE TOWER 276A
2nd ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
SDP-08-073



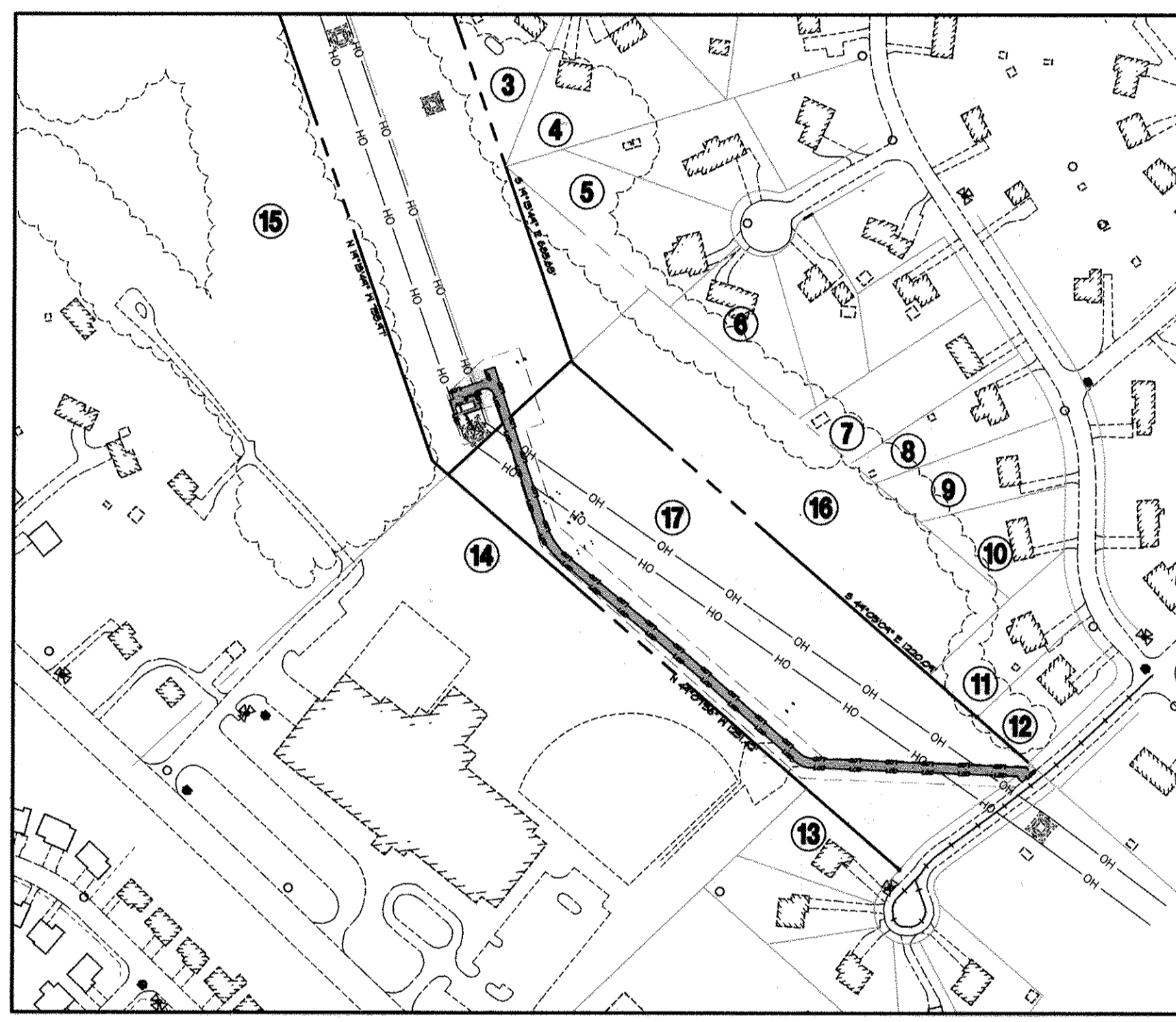
BENCHMARKS table with columns: GEODETIC SURVEY CONTROL, N, E, ELEVATION. Includes AE2449 and JV1361.

SHEET INDEX table with columns: SHEET NUMBER, SHEET DESCRIPTION. Lists sheets 1 through 7.

ADDRESS CHART table with columns: PARCEL #, STREET ADDRESS. Shows parcel 945 at 4518 TURKEY FARM PLACE.

ADJACENT PROPERTY CHART table with columns: NO., OWNER, TAX MAP. Lists neighboring property owners and their details.

- LANDSCAPE NOTES: 1. THE OWNER, TENANT AND/OR THEIR AGENTS SHALL BE RESPONSIBLE FOR ALL MAINTENANCE OF THE REQUIRED LANDSCAPING, PLANT MATERIALS, BERMS AND FENCES AND WALLS. ALL PLANT MATERIALS SHALL BE MAINTAINED IN GOOD GROWING CONDITION AND WHEN NECESSARY, REPLACED WITH NEW MATERIALS TO ENSURE CONTINUED COMPLIANCE WITH APPLICABLE REGULATIONS.
2. NO CLEARING OF EXISTING VEGETATION IS PERMITTED WITHIN THE LANDSCAPE EDGE FOR WHICH CREDIT IS BEING TAKEN; HOWEVER, LANDSCAPE MAINTENANCE IS AUTHORIZED.
3. AT THE TIME OF INSTALLMENT, ALL TREES AND SHRUBS HEREWITH LISTED AND APPROVED FOR THIS SITE SHALL BE OF THE PROPER HEIGHT REQUIREMENTS IN ACCORDANCE WITH THE HOWARD COUNTY LANDSCAPE MANUAL.



SITE NOTES

- 1. APPLICANT: VERIZON WIRELESS, 9000 JUNCTION DRIVE, ANNAPOLIS JUNCTION, MD 20701.
2. APPLICANT'S ATTORNEY: JEFF BARNES, 1800 MERCANTILE BANK AND TRUST BUILDING, 2 HOKINS PLAZA, BALTIMORE, MARYLAND 21201.
3. PROPERTY OWNER: BALTIMORE GAS AND ELECTRIC, 1068 NORTH FRONT STREET, BALTIMORE, MARYLAND 21202.
4. SITE DATA: MAP: 24, GRID 18, PARCEL: 945. DEED REFERENCE: LIBER 343 / FOLIO 0001. TRACT AREA: 1.645 AC (71,655.31 SF). ELECTION DISTRICT: 02. ADDRESS: 4518 TURKEY FARM PLACE, ELICOTT CITY, MARYLAND 21043. EXISTING USE: TRANSMISSION TOWER.
5. HORIZONTAL AND VERTICAL CONTROL SHOWN HEREON IS BASED ON A GPS LATITUDE BY MORRIS & RITCHE ASSOCIATES, INC DATED OCTOBER 20, 2007.
6. SOURCE: NAD83 GROUND ELEVATION: 439.0' AMSL (AVG.). LATITUDE: N39° 15' 05.45" PROPOSED STRUCTURE HEIGHT: 146.00' AGL. LONGITUDE: W76° 48' 39.68" PROPOSED FLOOR AREA: 147.00' AGL.
7. TOTAL DISTURBED AREA = 17,831 SF (0.41 AC +/-)
8. THE PROPOSED FACILITIES WILL CONSIST OF ONE (1) 30' LONG x 11'-7" WIDE x 10'-7" HIGH UNOCCUPIED COMMUNICATIONS EQUIPMENT SHELTER WITHIN A 40'x25' PROPOSED FENCED COMPOUND. TWELVE (12) ANTENNAS SHALL BE MOUNTED ON A PROPOSED 146'-0" FORTWORTH POWERMOUNT ASSEMBLY WITH A RAD CENTER AT AN ELEVATION OF 147'-0" ABOVE GRADE LEVEL FOR THE RECEPTION OF VERIZON WIRELESS TELECOMMUNICATIONS. TOTAL SHELTER FLOOR AREA = 360 SF.
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 SIX (6) MONTHS, 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: A STORMWATER MANAGEMENT DESIGN HAS BEEN PERFORMED FOR THIS SITE DUE TO AN AREA OF DISTURBANCE OVER 5000 SF.
14. NO OUTDOOR STORAGE, LIGHTING, OR WASTE STORAGE WILL BE REQUIRED FOR THIS SITE.
15. THE EXTERIOR OF THE SHELTER SHALL BE PAINTED AS SPECIFIED BY THE OWNER.
16. BOUNDARY SHOWN PER COUNTY RECORDS. EXISTING SITE FEATURES SHOWN PER SITE SURVEY BY MORRIS & RITCHE ASSOCIATES, INC. ON OCTOBER 20, 2007.
17. THIS PLAN PREPARED WITHOUT THE BENEFIT OF A TITLE REPORT. PLAN IS SUBJECT TO EASEMENTS AND RESTRICTIONS OF RECORD.
18. ALL DETAILS SHOWN ARE "STANDARD" OR "TYPICAL" FOR REFERENCE ONLY. FOR ACTUAL DETAILS, SEE ARCHITECTURAL, STRUCTURAL, OR CONSTRUCTION PLANS BY OTHERS.
19. THE COMMUNICATION SHELTER SHALL BE UNMANNED, WITH INFREQUENT VISITS (FOUR 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. SECTION 128.A.4.e OF THE ZONING REGULATIONS REQUIRES THAT THE ANTENNAS BE PAINTED GRAY OR A COLOR THAT MINIMIZES VISIBILITY CONSISTENT WITH FCC OR FAA REGULATIONS.



2/18/13
Note: SDP-08-073 HAS BEEN GRANTED A WAIVER EXTENSION (WPE-13-073) GRANTED DECEMBER 12, 2012, PER THE FOLLOWING CONDITIONS:
1) THE APPLICATION FOR BUILDING PERMIT TO INITIATE CONSTRUCTION ON THIS SITE MUST BE MADE ON OR BEFORE ONE (1) YEAR FROM THE DATE OF APPROVAL OF THIS WAIVER (ON OR BEFORE DECEMBER 13, 2013)
2) PER COMMENTS FROM DEVELOPMENT ENGINEERING DIVISION, THIS PROJECT IS REMITTED TO USE THE STATE'S 2006 REGULATIONS FOR STORM WATER MANAGEMENT. EXPIRATION OF ADMINISTRATIVE WAIVERS FOR GRAND FORTHING SHALL BE MAY 4, 2013 IF THE DEVELOPER DOES NOT RECEIVE APPROVAL (SIGNED SCD) PRIOR TO THIS DATE, SO THAT A GRADING PERMIT COULD BE OBTAINED AND THE PROJECT CONTINUES TO CONSTRUCTION COMPLETION. THE GRAND FORTHING ADMINISTRATIVE WAIVER IS ALSO CONTINGENT UPON THAT THE DEVELOPER WILL MAKE TIMELY CONSTRUCTION PROGRESS AND COMPLETION BY MAY 4, 2013.

LOCATION MAP

CONSTRUCTION NOTES

SITE ANALYSIS DATA CHART

- 1. CONTRACTOR SHALL NOTIFY "MISS UTILITY" (811) 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 AGREES 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 ABIDING 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 RECORDED.
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 ANALYSIS DATA CHART table with columns: APPLICABLE DP2 FILE REFERENCES, TOTAL PROJECT AREA, AREA OF PLAN SUBMISSION, TOTAL PARCEL ACREAGE, LIMIT OF DISTURBANCE, PRESENT ZONING, PROPOSED USE, FLOOR SPACE, MAXIMUM NUMBER OF EMPLOYEES, MINIMUM NUMBER OF PARKING SPACES REQUIRED BY ZONING, PARKING SPACES PROVIDED, EXISTING BUILDING COVERAGE, PROPOSED BUILDING COVERAGE, TOTAL BUILDING COVERAGE (INCLUDING OVERHANGS), SANITARY SEWER/WATER SERVICE, PROPERTY OWNER, PROPERTY OWNER INFORMATION.

PROFESSIONAL CERTIFICATION, PROPERTY OWNER, DEVELOPER table with columns: PROFESSIONAL CERTIFICATION, PROPERTY OWNER, DEVELOPER. Includes names and contact information for Jeff Barnes, Baltimore Gas & Electric Company, and Verizon Wireless.

DEVELOPER'S / BUILDER'S CERTIFICATE
I/WE CERTIFY THAT THE LANDSCAPING SHOWN ON THIS PLAN WILL BE DONE ACCORDING TO THE PLAN, SECTION 16.124 OF THE HOWARD COUNTY SUBDIVISION AND LAND DEVELOPMENT REGULATIONS AND THE LANDSCAPE MANUAL. I/WE FURTHER CERTIFY THAT UPON COMPLETION, A LETTER OF NOTICE, ACCOMPANIED BY AN EXECUTED ONE YEAR GUARANTEE OF PLANT MATERIALS, WILL BE SUBMITTED TO THE DEPARTMENT OF PLANNING AND ZONING.
DATE: 1/30/09

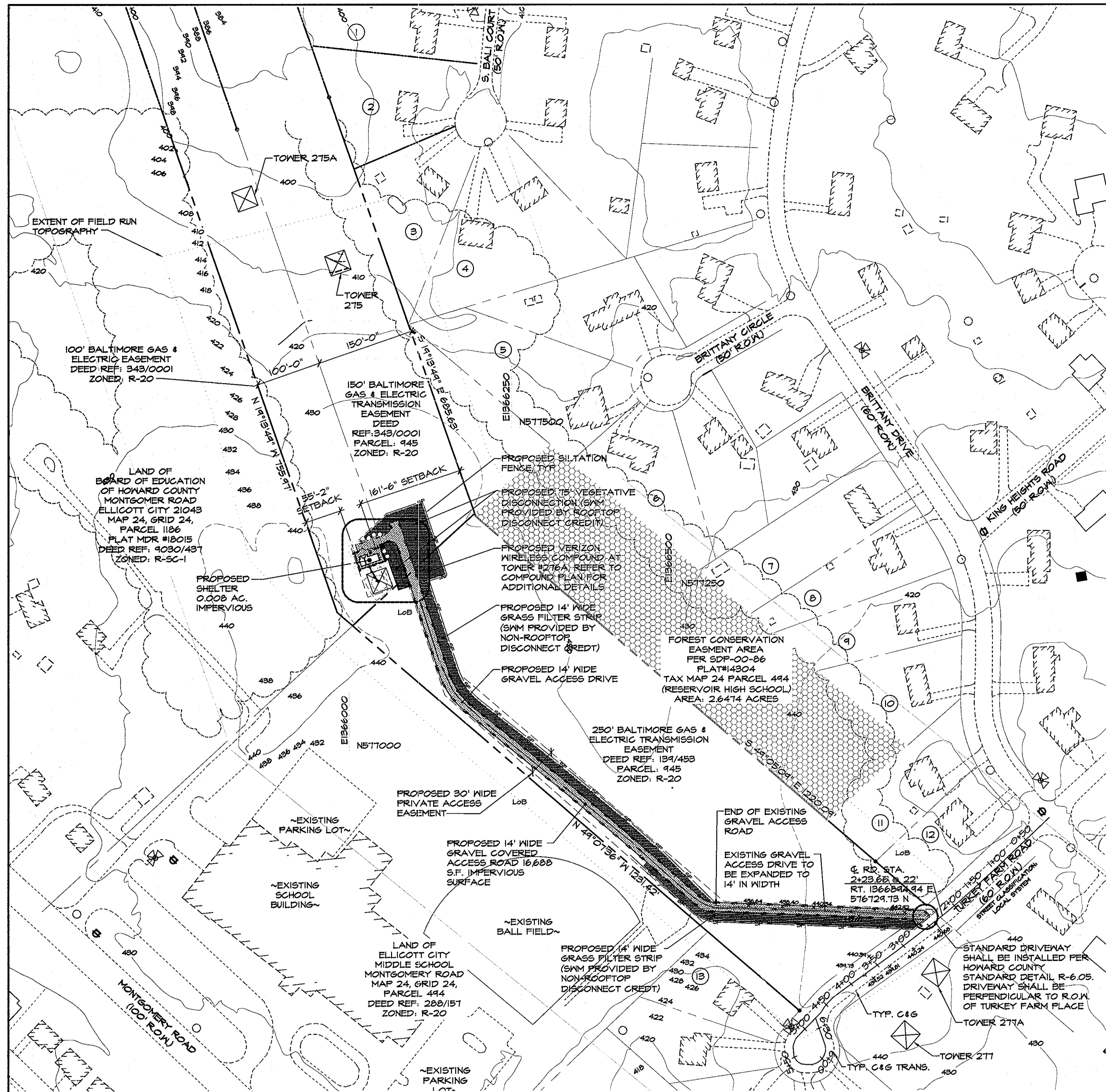
OPTION 2: EXEMPT/DOI FOREST CONSERVATION DATA SUMMARY table with columns: File Number, Project/Subdivision Name, Comment.

PERMIT INFORMATION CHART table with columns: PROJECT NAME, SECTION / AREA, PARCEL, LIBER / FOLIO, GRID #, ZONING, TAX MAP NO., ELECT. DIST., CENSUS TRACT, WATER CODE, SEWER CODE.

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 - LONG GATE (BGE TOWER 276A) EQUIPMENT SHELTER AND ANTENNA ADDITION SDP-08-073 COVER SHEET.

REVISIONS table with columns: DATE, REVISIONS, JOB NO., SCALE, DATE, DRAWN BY, DESIGN BY, REVIEW BY, SHEET.

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING. Chief, Development Engineering Division: 2/16/09. Chief, Division of Land Development: 2/19/09. Director, Department of Planning and Zoning: 2/19/09.



SITE PLAN NOTE: (A) INDICATES ADJACENT PROPERTY REFERENCE. REFER TO SHEET 3 FOR DETAILS.

SITE PLAN SCALE: 1" = 100'

PROPOSED GRAVEL AREA	EXISTING TREELINE
SUBJECT PROPERTY LINE	TRANSMISSION TOWER
ADJACENT PROPERTY LINE	UTILITY POLE
LIMIT OF DISTURBANCE	CHAIN LINK FENCE
SILT FENCE	BUILDING / HOUSE
EXISTING OVERHEAD TRANSMISSION LINES	SANITARY MANHOLE
2' CONTOUR LINE	WATER VALVE
10' CONTOUR LINE	FIRE HYDRANT
BUILDING RESTRICTION LINE	SWIM NON-ROOFTOP DISCONNECT
FOREST CONSERVATION EASEMENT	

**LANDSCAPE SCHEDULE A**

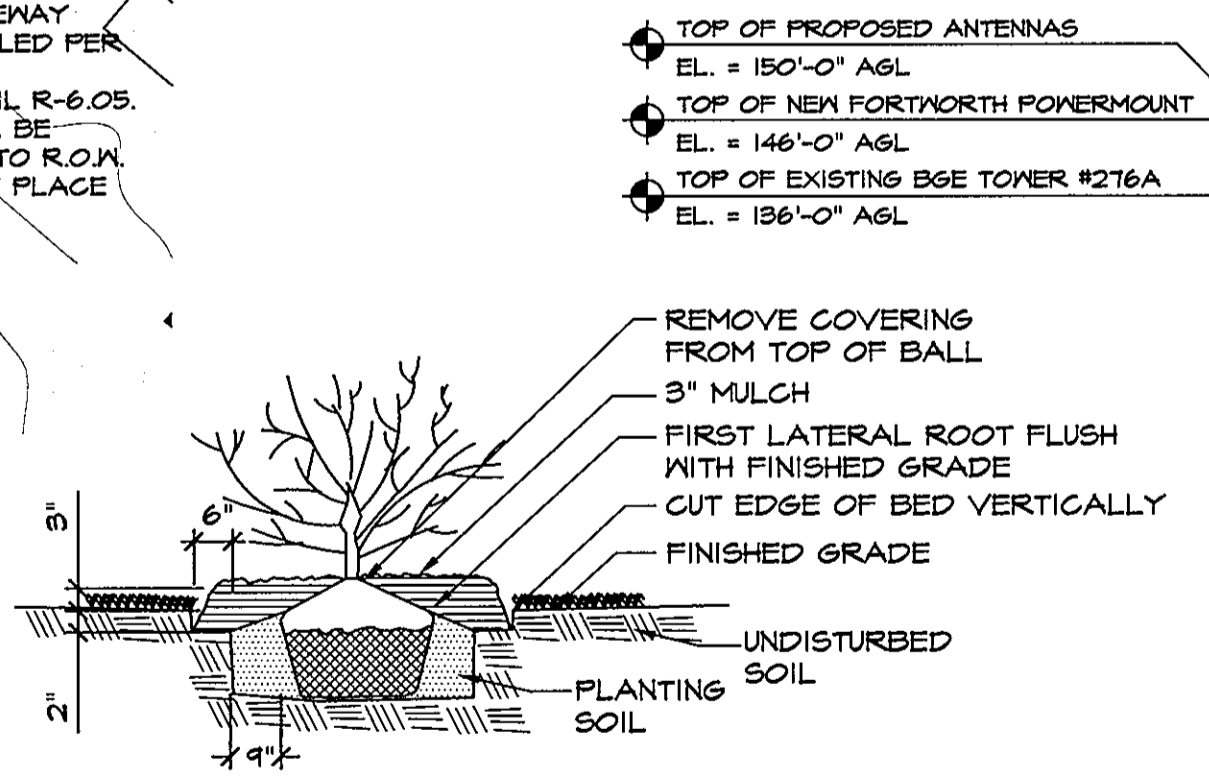
CATEGORY	PERIMETER #1 ADJACENT TO PERMITTER PROPERTIES	TYPE 'C' BUFFER
LANDSCAPE TYPE		
LINEAR FEET OF ROADWAY FRONTAGE / PERIMETER	130' (A)	
CREDIT FOR EXISTING VEGETATION (YES, NO, LINEAR FEET)	--	
CREDIT FOR WALL, FENCE, OR BERM (YES, NO, LINEAR FEET)	--	
NUMBER OF PLANTS REQUIRED		
SHADE TREES: 1:40'	3	
EVERGREEN TREES: 1:20'	0	
SHRUBS: N/A	0	
NUMBER OF PLANTS PROVIDED		
SHADE TREES	0*	
EVERGREEN TREES	0*	
OTHER TREES (2:1 SUBSTITUTION)	0*	
SHRUBS (10:1 SUBSTITUTION)	21	

\*NOTE: AN 8' CHAIN LINK FENCE WITH SLATS SHALL BE CONSTRUCTED AROUND SHELTER IN PLACE OF (1) SHADE TREE AND (2) EVERGREEN TREES. THE (2) SHRUBS ARE SUBSTITUTED FOR THE REMAINING (2) SHADE TREES. SEE SHEET 2 OF 5 FOR DETAILS.

(A) PERIMETER EQUALS DISTANCE AROUND SHELTER STRUCTURE.

SYM.	QUAN.	BOTANICAL NAME	COMMON NAME	SIZE	REMARKS
MP	20	MYRTICA PENSYLVANICA	NORTHERN BAYBERRY	40"	B&B 10' OC MAX SPACING STAGGERED

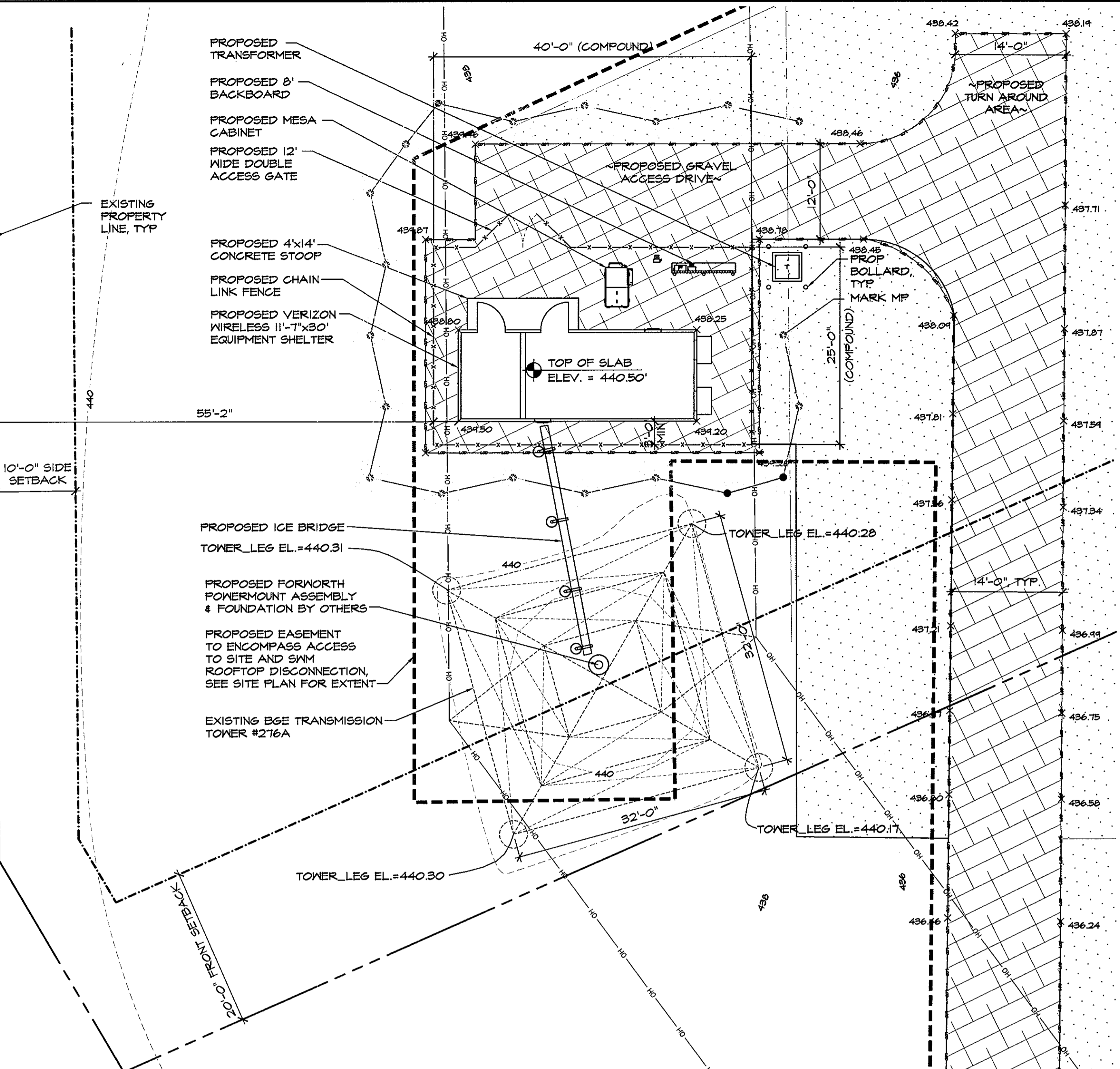
**PLANTING SCHEDULE**



**SHRUB DETAIL**

SCALE: NTS

LANDSCAPING NOTES:  
1. SHRUBS MUST BE A MINIMUM OF 4'-0" AT TIME OF PLANTING AND MATURE TO A HEIGHT OF NO GREATER THAN 8'-0"



**COMPOUND PLAN**

SCALE: 1" = 10'

- COMPOUND 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 CAN BE USED FOR PARKING.
  4. NO OUTDOOR LIGHTING IS PROPOSED AT THIS SITE.
  5. ALL TOPOGRAPHY SHOWN ON THE COMPOUND IS PER A FIELD RUN SURVEY BY MORRIS AND RITCHE ASSOCIATES, INC. DATED OCTOBER 2007.

PROJECT NAME VERIZON WIRELESS LONG GATE	SECTION / AREA N/A	PARCEL 945
LIBER / FOLIO 343 / 001	GRID # 24	ZONING R-20
TAX MAP NO. 24	ELECT. DIST. 2	CENSUS TRACT 6028.00
WATER CODE: E21	SEWER CODE: 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 - LONG GATE (BGE TOWER 276A)  
EQUIPMENT SHELTER AND ANTENNA ADDITION  
SDP-08-073  
**SITE PLAN**

LIBER: 343 ~ FOLIO: 0001 ~ PARCEL: 945  
ZONED: R-20 ~ TAX MAP: 24 ~ GRID: 24  
2ND ELECTION DISTRICT ~ HOWARD COUNTY, MARYLAND

DATE	REVISIONS	JOB NO.:	SCALE:
		10427.479	AS SHOWN
			DATE: 01/23/08
			DRAWN BY: EEO
			DESIGN BY: EEO
			REVIEW BY: BES
			SHEET: 2 OF 7

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING  
CHIEF DEVELOPMENT ENGINEERING DIVISION  
DATE: 2/6/09  
CHIEF DIVISION OF LAND DEVELOPMENT  
DATE: 2/9/09  
DIRECTOR, DEPARTMENT OF PLANNING AND ZONING  
DATE: 2/9/09

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. 30729, EXPIRATION DATE: 07/11/2010.  
PROPERTY OWNER  
BALTIMORE GAS & ELECTRIC COMPANY  
1088 NORTH FRONT STREET  
BALTIMORE, MARYLAND 21202  
PHONE: 410-291-5727  
ATTN: RENEE OSWALD  
DEVELOPER  
VERIZON WIRELESS  
9000 JUNCTION DRIVE  
ANNAPOLIS JUNCTION, MD 20701  
PHONE: 301.512.2000  
ATTN: JOSH LEVY

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

- 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 (913-1855)
- 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.
- 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.
- ALL SEDIMENT TRAPS/BASINS MUST BE FENCED AND WARNING SIGNS POSTED AROUND THE PERIMETER IN ACCORDANCE WITH VOL. I, CHAPTER 12 OF THE HOWARD COUNTY DESIGN MANUAL, STORM DRAINAGE.
- ALL DISTURBED AREAS MUST BE STABILIZED WITHIN THE TIME PERIOD SPECIFIED ABOVE IN ACCORDANCE WITH THE 1934 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.
- 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.
- SITE ANALYSIS:**  
TOTAL AREA OF SITE: 0.404 AC.  
AREA TO BE ROOFED OR PAVED: 0.0083 AC.  
AREA TO BE VEGETATIVELY STABILIZED: 0.042 AC.  
TOTAL CUT: 0 CU. YDS.  
TOTAL FILL: 0 CU. YDS.  
TOTAL TOPSOIL: 0 CU. YDS.  
OFF SITE WASTE/BORROW AREA LOCATION: N/A
- ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTRIBUTED BY GRADING ACTIVITY FOR PLACEMENT OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF DISTURBANCE.
- ADDITIONAL SEDIMENT MUST BE PROVIDED, IF DEEMED NECESSARY BY THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
- 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.
- 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.

**SEQUENCE OF CONSTRUCTION:**

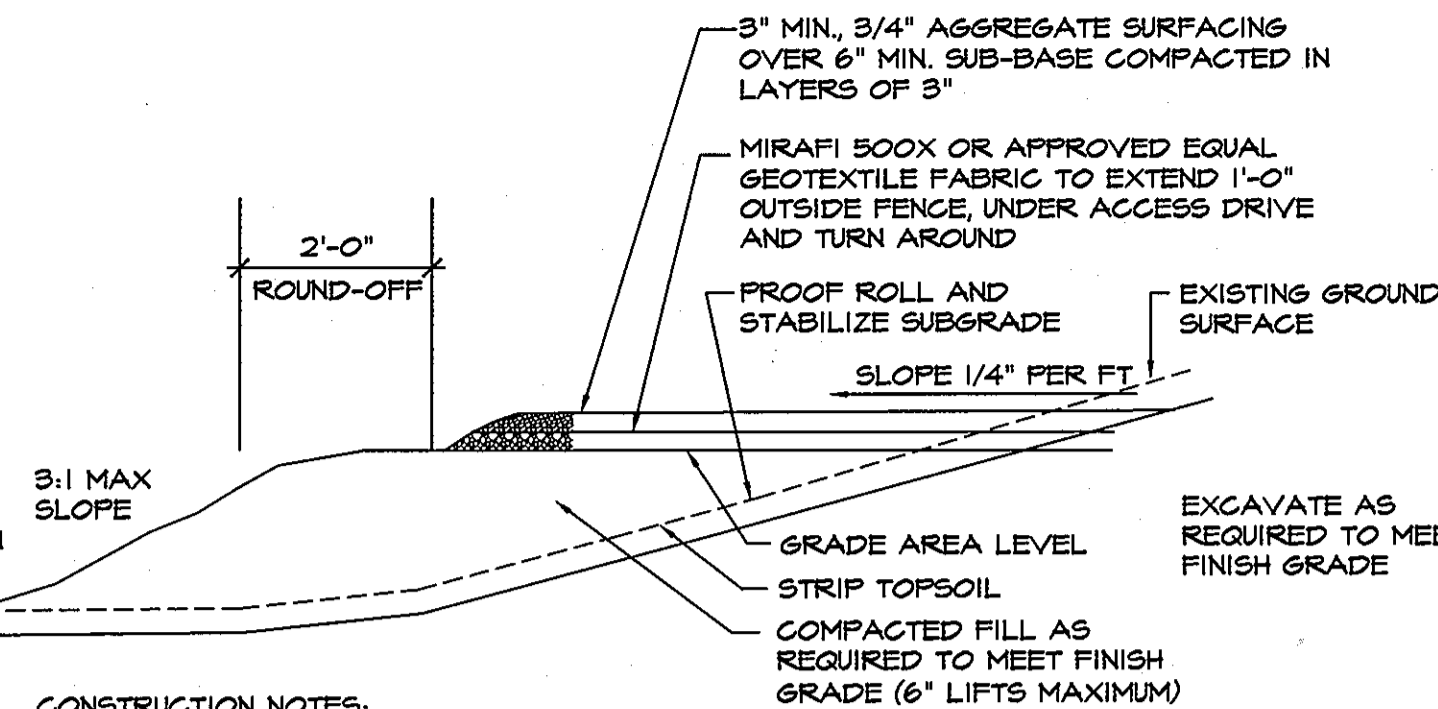
- CLEAR AND GRUB TO INSTALL SILT FENCE. (1 DAY)
  - AFTER SILT FENCE IS IN PLACE, CLEAR AND GRUB THE REMAINDER OF THE SITE. (1 DAY)
  - BEGIN CONSTRUCTION OF THE DRIVES AND PARKING AREAS. (2 DAYS)
  - BEGIN BUILDING CONSTRUCTION. AFTER COMPLETION OF THE BUILDING PLACE THE GRAVEL SURFACE. REMOVE THE TEMPORARY DIVERSION DIKES AND TOPSOIL AND SEED ALL DISTURBED AREAS. (14 DAYS)
  - 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)
- \*TIMEFAMES ARE APPROXIMATE

**PROPERTY OWNER:**  
BALTIMORE GAS AND ELECTRIC  
1068 NORTH FRONT STREET  
BALTIMORE, MARYLAND 21202  
ATTN: RENEE OSWALD  
410-241-5127

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING  
DATE: 2/6/09  
DATE: 2/9/09  
DATE: 2/9/09

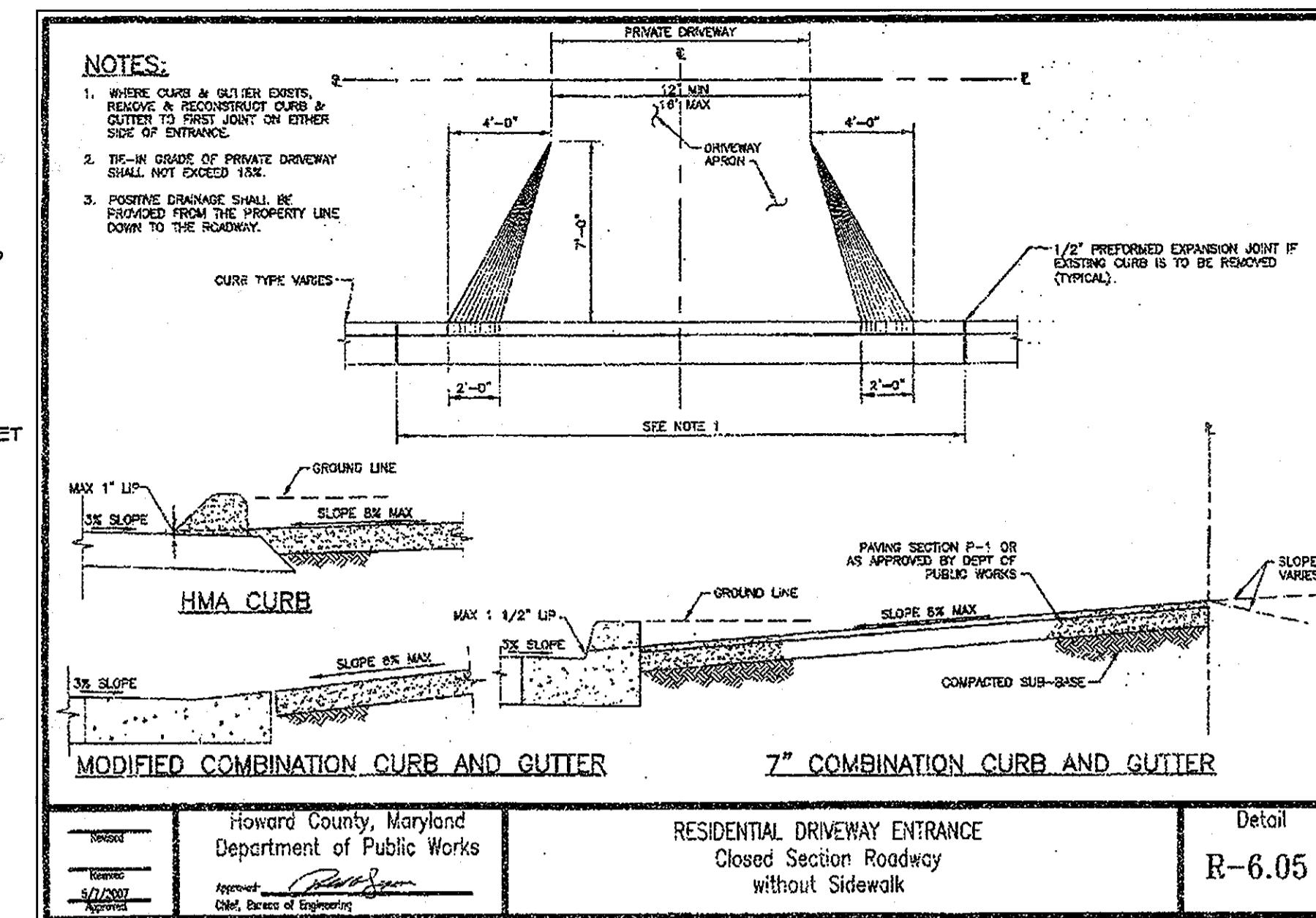
**ADJACENT PROPERTY REFERENCE CHART**

- OWNER: ROSE M. HILL L/E  
ADDRESS: 8622 S. BALI COURT  
MAP: 24, GRID: 24  
PARCEL: 406, LOT: 210  
DEED REF: 10471/483  
LAND AREA: 30,041 SF  
ZONED: R-20
- OWNER: WANDA J. GRIFFIN L/E  
ADDRESS: 8626 S. BALI COURT  
MAP: 24, GRID: 24  
PARCEL: 406, LOT: 211  
DEED REF: 1, 9134/306  
DEED REF: 2, 4410/332  
LAND AREA: 22,084 SF  
ZONED: R-20
- OWNER: WILLIAM JAY & SHARON O. FENDLETON  
ADDRESS: 8630 S. BALI COURT  
SUBDIVISION: STONECREST  
PLAT BOOK: 8 PAGE 83 SECTION: 3  
MAP: 24, GRID: 24  
PARCEL: 406, LOT: 212  
DEED REF: 1607/215  
LAND AREA: 26,832 SF  
ZONED: R-20
- OWNER: RAY W. JR & KAREN J. GROSE T/E  
ADDRESS: 8633 S. BALI COURT  
SUBDIVISION: STONECREST  
PLAT BOOK: 8 PAGE 83 SECTION: 3  
MAP: 24, GRID: 24  
PARCEL: 406, LOT: 286  
FLAT NO. 16149  
DEED REF: 7141/173  
LAND AREA: 22,840 SF  
ZONED: R-20
- OWNER: HENRY D. JEFFERIES & W/F  
ADDRESS: 4226 BRITANNY CIRCLE  
SUBDIVISION: STONECREST  
PLAT BOOK: 10 PAGE 24 SECTION: 6  
MAP: 25, GRID: 19  
PARCEL: 213, LOT: 243  
DEED REF: 581/16  
LAND AREA: 38,400 SF  
ZONED: R-20
- OWNER: RUSSELL J. HESS & W/F  
ADDRESS: 4225 BRITANNY CIRCLE  
SUBDIVISION: STONECREST  
PLAT BOOK: 10 PAGE 24 SECTION: 6  
MAP: 25, GRID: 19  
PARCEL: 213, LOT: 244  
DEED REF: 455/143  
LAND AREA: 21,940 SF  
ZONED: R-20
- OWNER: FREDERICK J. & DEBRA ANN HOEHN  
ADDRESS: 4310 BRITANNY DRIVE  
SUBDIVISION: STONECREST  
PLAT BOOK: 9 PAGE 47 SECTION: 4  
MAP: 25, GRID: 19  
PARCEL: 271, LOT: 249  
DEED REF: 1617/204  
LAND AREA: 31,920 SF  
ZONED: R-20
- OWNER: LOUIS W. GOODMUTH JR & W/F  
ADDRESS: 4314 BRITANNY DRIVE  
SUBDIVISION: STONECREST  
PLAT BOOK: 9 PAGE 47 SECTION: 4  
MAP: 25, GRID: 19  
PARCEL: 271, LOT: 250  
DEED REF: 419/117  
LAND AREA: 29,000 SF  
ZONED: R-20
- OWNER: MICHAEL W. SR & BARBARA A. ANUSZEWSKI T/E  
ADDRESS: 4316 BRITANNY DRIVE  
SUBDIVISION: STONECREST  
PLAT BOOK: 9 PAGE 47 SECTION: 4  
MAP: 25, GRID: 19  
PARCEL: 271, LOT: 251  
DEED REF: 450/545  
LAND AREA: 23,200 SF  
ZONED: R-20
- OWNER: LUCILLE HAWKINS  
ADDRESS: 4322 BRITANNY DRIVE  
SUBDIVISION: STONECREST  
PLAT BOOK: 9 PAGE 47 SECTION: 4  
MAP: 25, GRID: 19  
PARCEL: 271, LOT: 252  
DEED REF: 427/536  
LAND AREA: 20,824 SF  
ZONED: R-20
- OWNER: MICHAEL J. & LORI E. DAVIS T/E  
ADDRESS: 4326 BRITANNY DRIVE  
SUBDIVISION: STONECREST  
PLAT BOOK: 8 PAGE 45 SECTION: 2  
MAP: 31, GRID: 19  
PARCEL: 479, LOT: 116  
FLAT NO: 845  
DEED REF: 4011/245  
LAND AREA: 23,114 SF  
ZONED: R-20
- OWNER: ALVIN C. MONSHOWER JR & VALORIE E. NEALTON T/E  
ADDRESS: 4330 BRITANNY DRIVE  
SUBDIVISION: STONECREST  
PLAT BOOK: 8 PAGE 45 SECTION: 2  
MAP: 25, GRID: 19  
PARCEL: 244, LOT: 117  
DEED REF: 1378/142  
LAND AREA: 21,046 SF  
ZONED: R-20
- OWNER: ROBERT A. & JENNIFER A. FRANEY T/E  
ADDRESS: 4526 TURKEY FARM PLACE  
SUBDIVISION: TURKEY FARM PLACE  
PLAT: M.D.R. #10675  
MAP: 31, GRID: 1  
PARCEL: 542, LOT: 6  
FLAT NO: 10675  
DEED REF: 3504/316  
LAND AREA: 20,025 SF  
ZONED: R-20

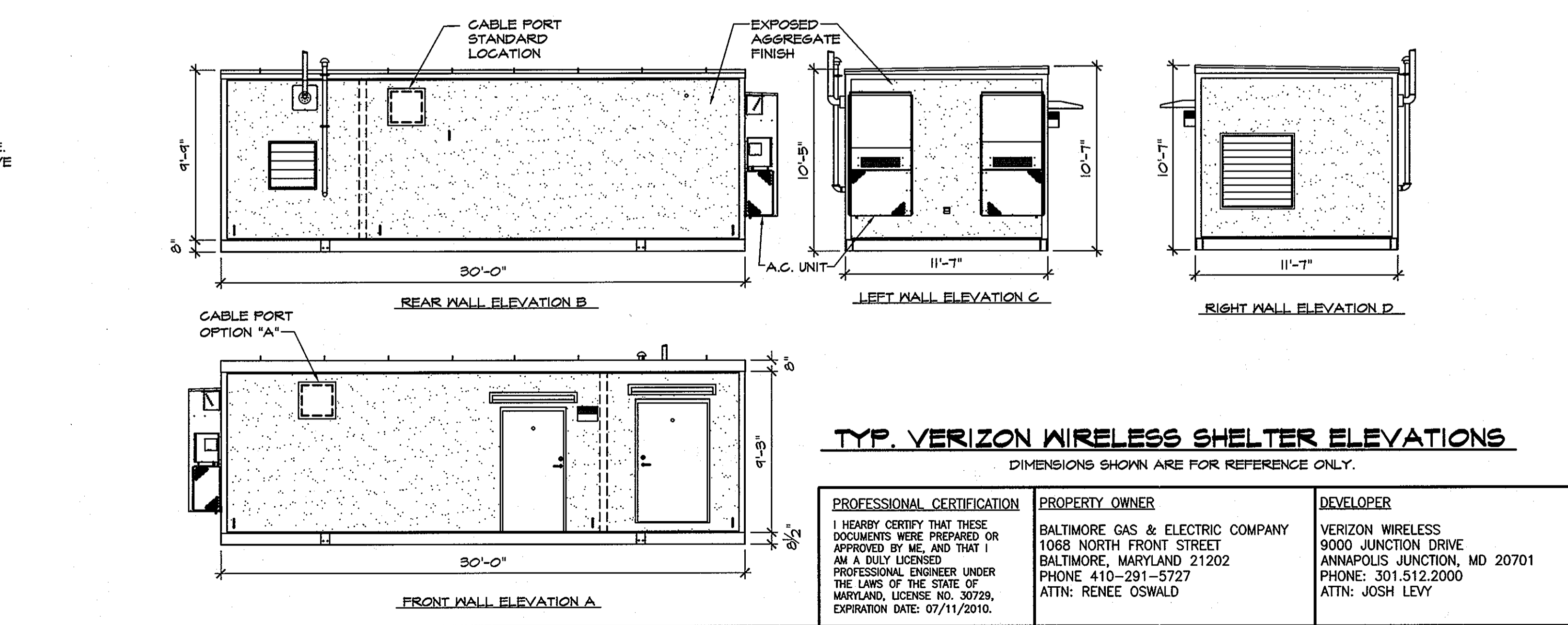
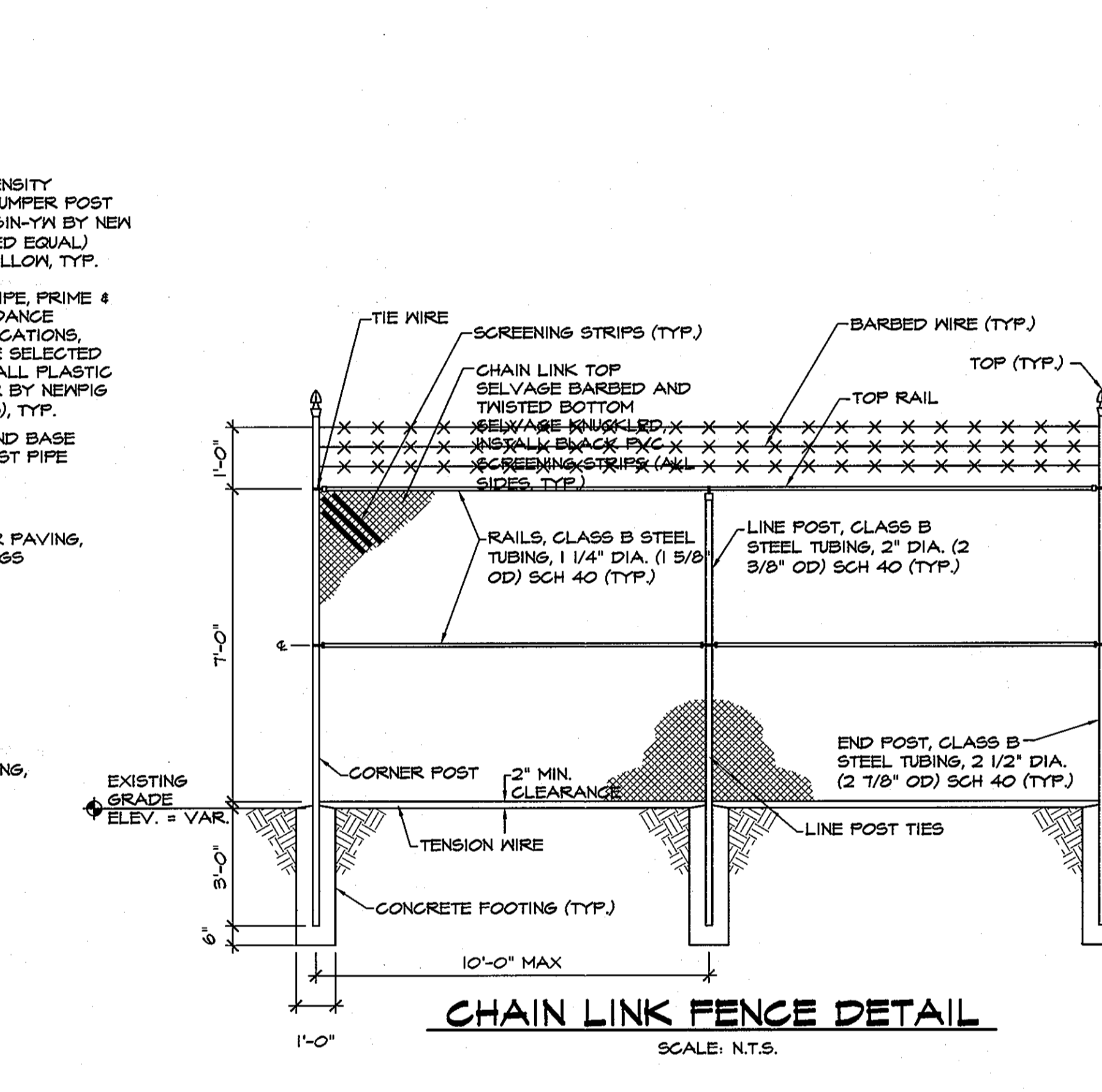
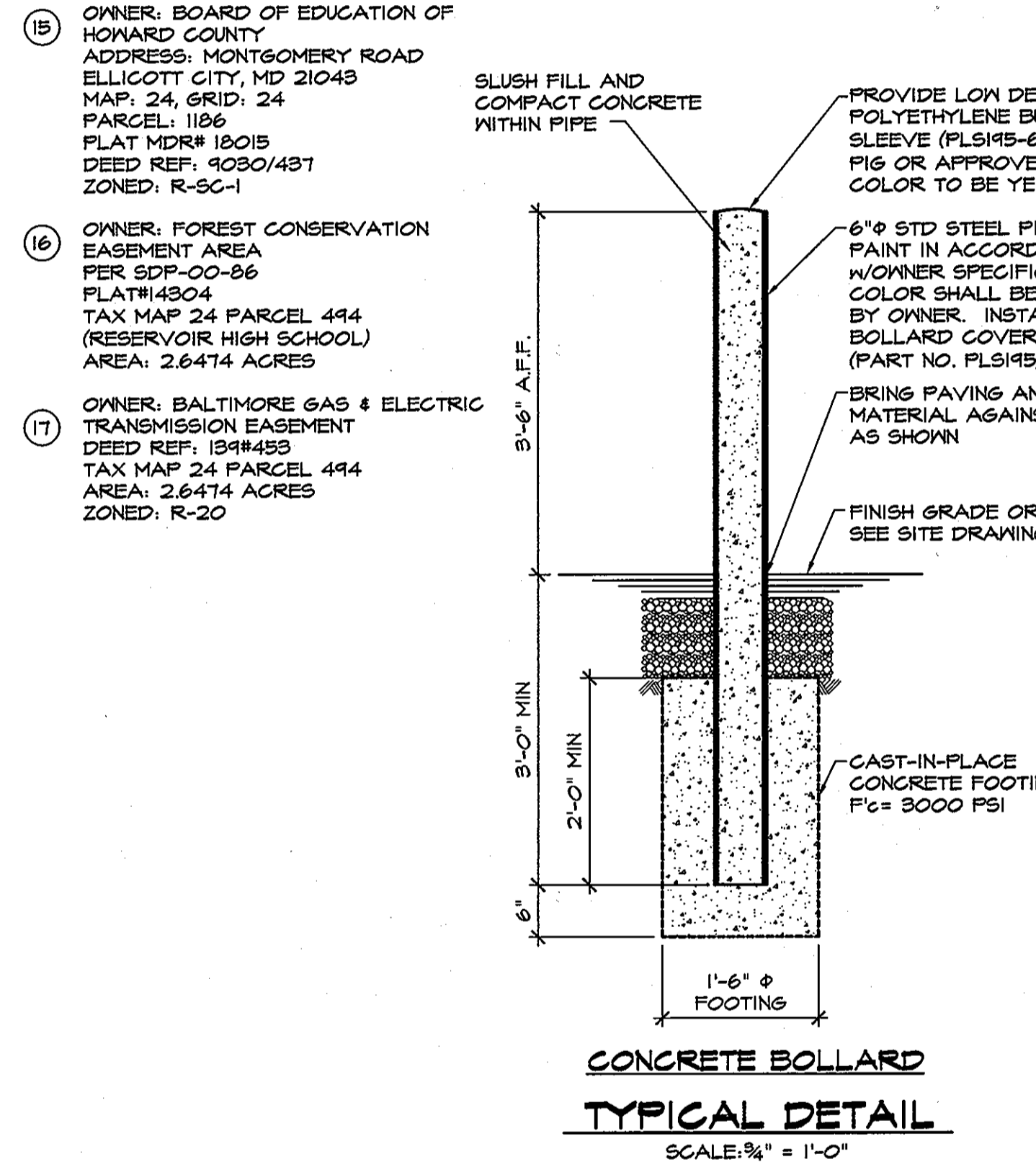


- CONSTRUCTION NOTES:**
- CLEAR AND GRUB THE LAND ALONG THE ACCESS DRIVE.
  - REMOVE ALL EXISTING ORGANIC MATERIAL TO SUITABLE SUBGRADE.
  - PLACE GEOTEXTILE FABRIC OVER SUBGRADE AND THEN PLACE AGGREGATE BASE.
  - GRAVEL SUBBASE SPECIFICATION: MARYLAND DOT: SECTION 304 GRADED AGGREGATE BASE COURSE VIRGINIA DHT: SECTION 210 AGGREGATE BASE COURSE

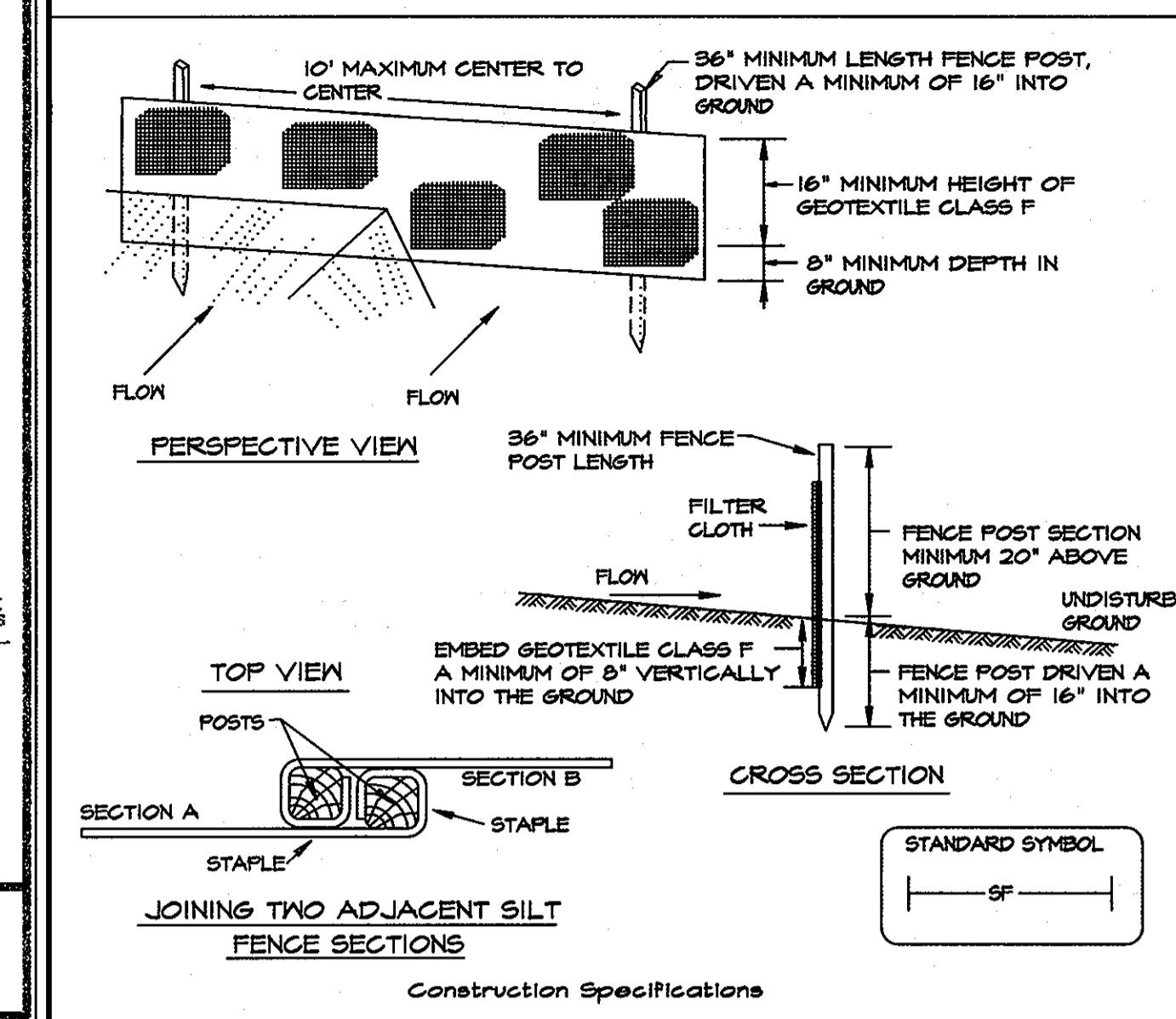
**LEASE AREA, ACCESS DRIVE AND  
TURN AROUND AREA SURFACING**  
NOT TO SCALE



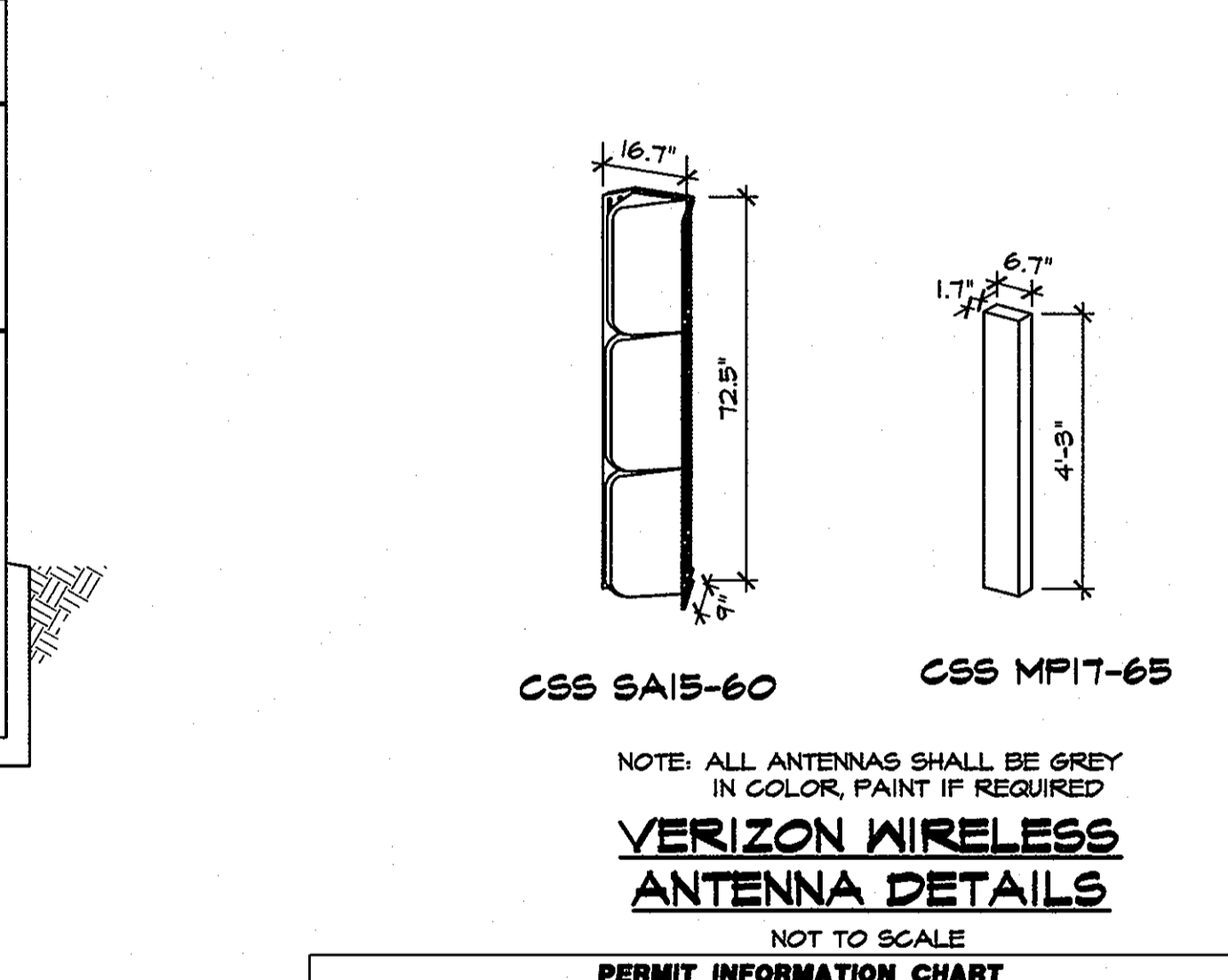
- OWNER: ELLICOTT CITY MIDDLE SCHOOL  
ADDRESS: MONTGOMERY ROAD  
MAP: 24, GRID: 24  
PARCEL: 444  
DEED REF: 228/157  
ZONED: R-20
- OWNER: BOARD OF EDUCATION OF HOWARD COUNTY  
ADDRESS: MONTGOMERY ROAD  
ELLICOTT CITY, MD 21043  
MAP: 24, GRID: 24  
PARCEL: 1186  
FLAT MDR# 18015  
DEED REF: 4030/437  
ZONED: R-SC-1
- OWNER: FOREST CONSERVATION EASEMENT AREA  
PER SDP-00-86  
FLAT#4304  
TAX MAP 24 PARCEL 444  
(RESERVOIR HIGH SCHOOL)  
AREA: 2.6474 ACRES
- OWNER: BALTIMORE GAS & ELECTRIC TRANSMISSION EASEMENT  
DEED REF: 194453  
TAX MAP 24 PARCEL 444  
AREA: 2.6474 ACRES  
ZONED: R-20



**SILT FENCE DETAILS**



- Construction Specifications**
- Fence posts shall be a minimum of 36" long driven 16" minimum into the ground. Wood posts shall be 1 1/2" x 1 1/2" square (minimum) cut, or 1 3/4" diameter (minimum) round and shall be of sound quality hardwood. Steel posts will be standard T or U section weighting not less than 1.00 pond per linear foot.
  - Geotextile shall be fastened securely to each fence post with wire ties or staples at top and mid-section and shall meet the following requirements for Geotextile Class F:
- |                      |                            |                |
|----------------------|----------------------------|----------------|
| Tensile Strength     | 50 lbs/in (min.)           | Test: MSMT 504 |
| Tensile Modulus      | 20 lbs/in (min.)           | Test: MSMT 504 |
| Flow Rate            | 0.3 gal ft / minute (max.) | Test: MSMT 322 |
| Filtering Efficiency | 75% (min.)                 | Test: MSMT 322 |
- Where ends of geotextile fabric come together, they shall be overlapped, folded and stapled to prevent sediment bypass.
  - Silt Fence shall be inspected after each rainfall event and maintained when bulges occur or when sediment accumulation reached 50% of the fabric height.
- |   |                |   |
|---|----------------|---|
| U.S. DEPARTMENT OF AGRICULTURE<br>SOIL CONSERVATION SERVICE | PAGE<br>E-15-B | MARYLAND DEPARTMENT OF ENVIRONMENT<br>WATER MANAGEMENT ADMINISTRATION |
|---|----------------|---|



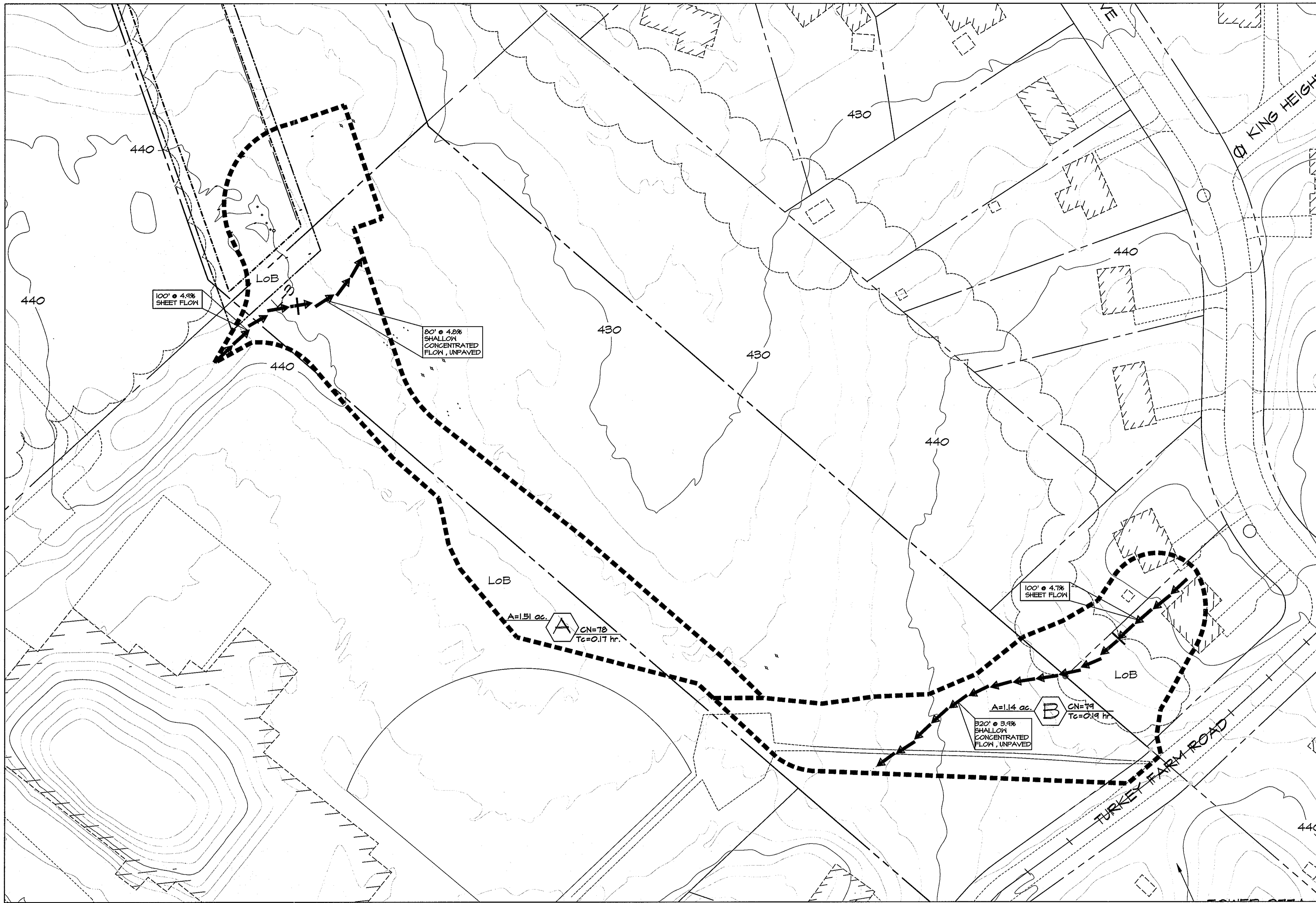
**PERMIT INFORMATION CHART**

PROJECT NAME VERIZON WIRELESS LONG GATE	SECTION / AREA N/A	PARCEL 945
LIBER / FOLIO 343 / 0001	GRID # 24	ZONING R-20
TAX MAP NO. 24	ELECT. DIST. 2	CENSUS TRACT 6028.00
WATER CODE: E21	SEWER CODE: 6440000	

**MRA**  
**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

**VERIZON WIRELESS - LONG GATE (BGE TOWER 276A)  
EQUIPMENT SHELTER AND ANTENNA ADDITION  
SDP-08-073  
SITE DETAILS**  
LIBER: 343 ~ FOLIO: 0001 ~ PARCEL: 945  
ZONED: R-20 ~ TAX MAP: 24 ~ GRID: 24  
2ND ELECTION DISTRICT ~ HOWARD COUNTY, MARYLAND

DATE	REVISIONS	JOB NO.:	AS SHOWN
		10427.479	SCALE: AS SHOWN
			DATE: 01/23/08
			DRAWN BY: EEO
			DESIGN BY: EEO
			REVIEW BY: BES
			SHEET: 3 OF 7



NOTE: SEE SHEET 5 FOR RCN AND FLOW SUMMARY TABLES.

PERMIT INFORMATION CHART					
PROJECT NAME VERIZON WIRELESS LONG GATE		SECTION / AREA N/A	PARCEL 945		
LIBER / FOLIO 343 / 0001	GRID # 24	ZONING R-20	TAX MAP NO. 24	ELECT. DIST. 2	CENSUS TRACT 6028.00
WATER CODE: E21			SEWER CODE: 6440000		



**SITE PLAN**  
SCALE: 1" = 50'

SITE PLAN LEGEND			
PROPOSED GRAVEL AREA		EXISTING TREELINE	
SUBJECT PROPERTY LINE		TRANSMISSION TOWER	
ADJACENT PROPERTY LINE		UTILITY POLE	
LIMIT OF DISTURBANCE		CHAINLINK FENCE	
SILT FENCE		BUILDING / HOUSE	
EXISTING OVERHEAD TRANSMISSION LINES		PROPOSED GRASS AREA	
2' CONTOUR LINE		DRAINAGE AREA LINE	
10' CONTOUR LINE		DRAINAGE AREA LINE	
BUILDING RESTRICTION LINE			

**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. 14015, EXPIRATION DATE: 07/12/2008.

**PROPERTY OWNER**  
BALTIMORE GAS & ELECTRIC COMPANY  
1068 NORTH FRONT STREET  
BALTIMORE, MARYLAND 21202  
PHONE 410-291-5727  
ATTN: RENEE OSWALD

**DEVELOPER**  
VERIZON WIRELESS  
9000 JUNCTION DRIVE  
ANNAPOLIS JUNCTION, MD 20701  
PHONE: 301.512.2000  
ATTN: JOSH LEVY

**MORRIS & RITCHIE ASSOCIATES, INC.**  
ENGINEERS, PLANNERS, SURVEYORS AND LANDSCAPE ARCHITECTS

1220-C EAST JOPPA ROAD, SUITE 505  
TOWSON, MARYLAND 21286  
(410) 821-1890  
FAX (410) 821-1748

SITE DEVELOPMENT PLAN  
VERIZON WIRELESS - LONG GATE (BGE TOWER 276A)  
EQUIPMENT SHELTER AND ANTENNA ADDITION  
SDP-08-073

**EXISTING DRAINAGE AREA**

LIBER: 343 ~ FOLIO: 0001 ~ PARCEL: 945  
ZONED: R-20 ~ TAX MAP: 24 ~ GRID: 24  
2ND ELECTION DISTRICT ~ HOWARD COUNTY, MARYLAND

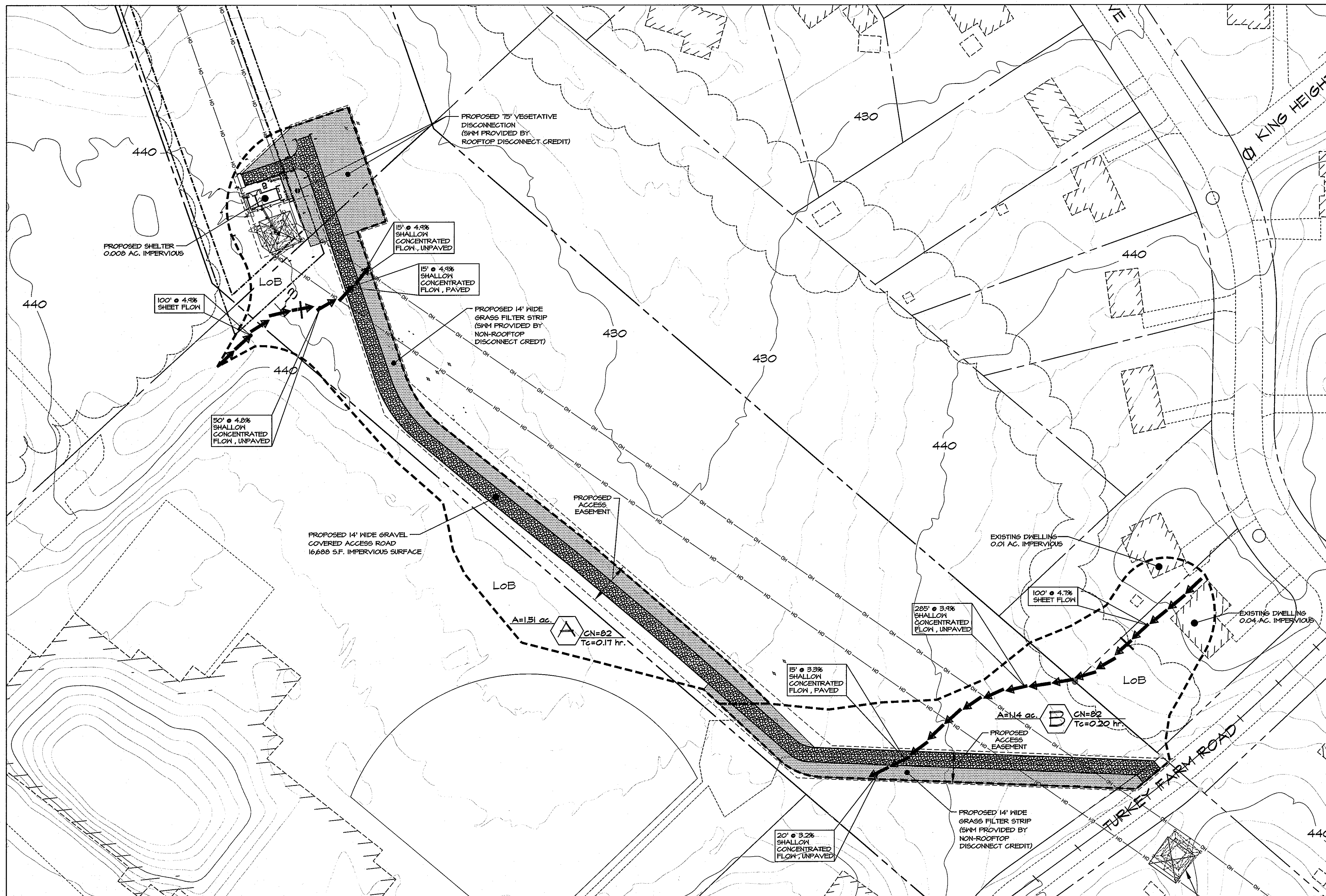
APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

*Wesley B. Morris*  
CHIEF, DEVELOPMENT ENGINEERING DIVISION  
DATE: 2/10/09

*Janet K. Hester*  
CHIEF, DIVISION OF LAND DEVELOPMENT  
DATE: 2/10/09

*Dan R. Rutter*  
DIRECTOR, DEPARTMENT OF PLANNING AND ZONING  
DATE: 2/10/09

DATE	REVISIONS	JOB NO.:	SCALE:
		10427.479	AS SHOWN
			DATE: 01/23/08
			DRAWN BY: DFA
			DESIGN BY: DFA
			REVIEW BY: RWB
			SHEET: 4 OF 7



**RCN**

EXISTING		PROPOSED w/o CREDIT REDUCTION		PROPOSED w/ CREDIT REDUCTION	
A	B	A	B	A	B
78	74	82	82	78	74

**PEAK DISCHARGE (cfs)**

	EXISTING		PROPOSED w/o CREDIT REDUCTION		PROPOSED w/ CREDIT REDUCTION	
	A	B	A	B	A	B
1-YR	1.7	1.3	2.2	1.6	1.7	1.3
10-YR	5.8	4.3	6.5	4.7	5.8	4.3
100-YR	9.6	7.4	10.4	7.5	9.6	7.4

NOTE: BY APPLYING THE CREDIT REDUCTION, THE SITE WOULD REVERT BACK TO EXISTING CONDITIONS.

**SITE PLAN**  
SCALE: 1" = 50'

**SITE PLAN LEGEND**

PROPOSED GRAVEL AREA		EXISTING TREELINE	
SUBJECT PROPERTY LINE		TRANSMISSION TOWER	
ADJACENT PROPERTY LINE		UTILITY POLE	
LIMIT OF DISTURBANCE		CHAINLINK FENCE	
SILT FENCE		BUILDING / HOUSE	
EXISTING OVERHEAD TRANSMISSION LINES		PROPOSED GRASS AREA	
2' CONTOUR LINE		DRAINAGE AREA LINE	
10' CONTOUR LINE		DRAINAGE AREA LINE	
BUILDING RESTRICTION LINE		EASEMENT LINE	

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

*Michael J. Suttler*  
CHIEF, DEVELOPMENT ENGINEERING DIVISION  
DATE: 2/6/09

*David H. Suttler*  
CHIEF, DIVISION OF LAND DEVELOPMENT  
DATE: 2/9/09

*Michael J. Suttler*  
DIRECTOR, DEPARTMENT OF PLANNING AND ZONING  
DATE: 2/9/09

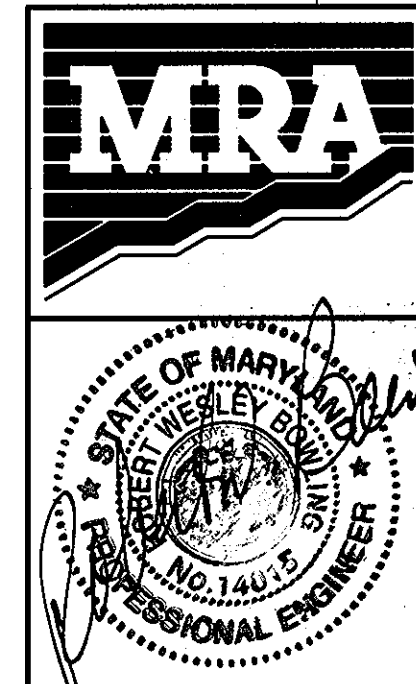
**PROFESSIONAL CERTIFICATION**  
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 14015, EXPIRATION DATE: 07/12/2008.

**PROPERTY OWNER**  
BALTIMORE GAS & ELECTRIC COMPANY  
1068 NORTH FRONT STREET  
BALTIMORE, MARYLAND 21202  
PHONE 410-291-5727  
ATTN: RENEE OSWALD

**DEVELOPER**  
VERIZON WIRELESS  
9000 JUNCTION DRIVE  
ANNAPOLIS JUNCTION, MD 20701  
PHONE: 301.512.2000  
ATTN: JOSH LEVY

**PERMIT INFORMATION CHART**

PROJECT NAME		SECTION / AREA	PARCEL		
VERIZON WIRELESS LONG GATE		N/A	945		
LIBER / FOLIO	GRID #	ZONING	TAX MAP NO.	ELECT. DIST.	CENSUS TRACT
343 / 0001	24	R-20	24	2	6028.00
WATER CODE:		SEWER CODE:			
E21		6440000			



**MORRIS & RITCHIE ASSOCIATES, INC.**  
ENGINEERS, PLANNERS, SURVEYORS AND LANDSCAPE ARCHITECTS

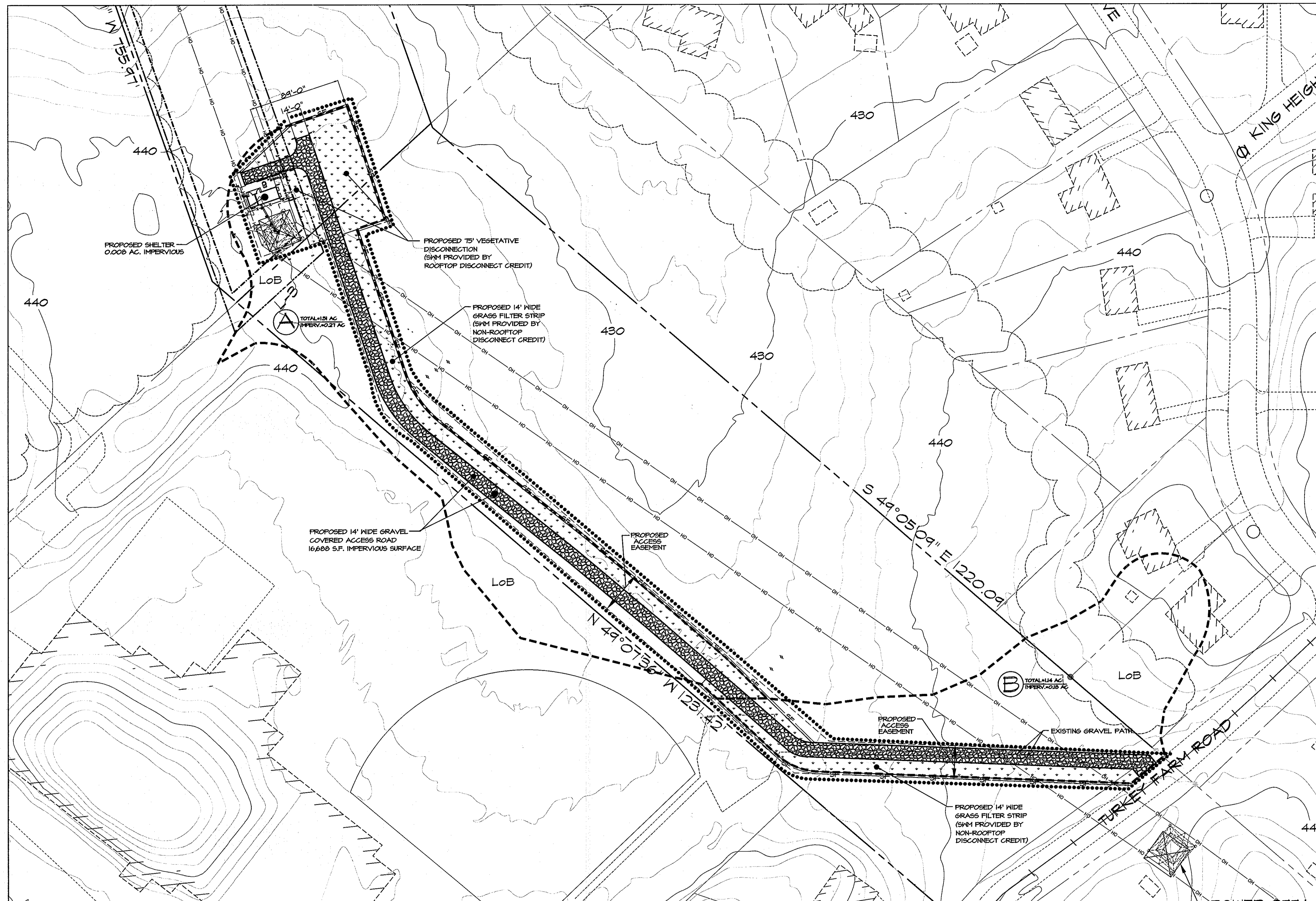
1220-C EAST JOPPA ROAD, SUITE 605  
TOWSON, MARYLAND 21286  
(410) 821-1890  
FAX (410) 821-1748

**SITE DEVELOPMENT PLAN**  
VERIZON WIRELESS - LONG GATE (BGE TOWER 276A)  
EQUIPMENT SHELTER AND ANTENNA ADDITION  
SDP-08-073

**PROPOSED DRAINAGE AREA**

LIBER: 343 ~ FOLIO: 0001 ~ PARCEL: 945  
ZONED: R-20 ~ TAX MAP: 24 ~ GRID: 24  
2ND ELECTION DISTRICT ~ HOWARD COUNTY, MARYLAND

DATE	REVISIONS	JOB NO.:
		10427.479
		SCALE: AS SHOWN
		DATE: 01/23/08
		DRAWN BY: DFA
		DESIGN BY: DFA
		REVIEW BY: RWB
		SHEET: 5 OF 7



**NGV & Rev**

	PROPOSED w/ CREDIT REDUCTION	
	A	B
NGV	1156 cu.ft.	745 cu.ft.
Rev	81 cu.ft.	56 cu.ft.

NOTE: NGV AND Rev REQUIREMENTS ARE MET BY THE NON-ROOFTOP DISCONNECT CREDIT FOR THE GRAVEL ROAD AND COMPOUND AND BY THE USE OF THE ROOFTOP DISCONNECT CREDIT FOR THE BUILDING WITHIN THE COMPOUND.

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT

*John K. Blanton* 2/3/09  
 HOWARD SCD DATE

**ENGINEER'S CERTIFICATE**

"I CERTIFY THAT THIS PLAN FOR SEDIMENT AND EROSION CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT"

*Robert W. Bowling* 1/26/09  
 SIGNATURE OF ENGINEER (PRINT NAME BELOW SIGNATURE) DATE  
 Robert W. Bowling

**DEVELOPER'S CERTIFICATE**

"I/WE CERTIFY THAT ALL DEVELOPEMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN FOR SEDIMENT AND EROSION CONTROL, AND THAT ALL RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT."

*B. A. Ste...* 1/30/09  
 SIGNATURE OF DEVELOPER (PRINT NAME BELOW SIGNATURE) DATE

**PERMIT INFORMATION CHART**

PROJECT NAME	SECTION / AREA	PARCEL
VERIZON WIRELESS LONG GATE	N/A	945
LIBER / FOLIO	GRID # ZONING	TAX MAP NO. ELECT. DIST. CENSUS TRACT
343 / 001	24 R-20	24 2 6028.00
WATER CODE:	SEWER CODE:	
E21	6440000	



**MORRIS & RITCHIE ASSOCIATES, INC.**  
 ENGINEERS, PLANNERS, SURVEYORS AND LANDSCAPE ARCHITECTS  
 1220-C EAST JOPPA ROAD, SUITE 505  
 TOWSON, MARYLAND 21286  
 (410) 821-1890  
 FAX (410) 821-1748



**SITE DEVELOPMENT PLAN**  
 VERIZON WIRELESS - LONG GATE (BGE TOWER 276A)  
 EQUIPMENT SHELTER AND ANTENNA ADDITION  
 SDP-08-073  
**STORMWATER MANAGEMENT & EROSION AND SEDIMENT CONTROL**  
 LIBER: 343 ~ FOLIO: 0001 ~ PARCEL: 945  
 ZONED: R-20 ~ TAX MAP: 24 ~ GRID: 24  
 2ND ELECTION DISTRICT ~ HOWARD COUNTY, MARYLAND

**PERMANENT SEEDING SUMMARY**

NO.	SPECIES	APPLICATION RATE (LB/AC)	SEEDING DATE	SEEDING DEPTHS	**FERTILIZER RATE (10-20-20)			**LIME RATE
					N	P205	K2O	
3	TALL FESCUE (85%) PERENNIAL RYEGRASS (10%) KENTUCKY BLUEGRASS (5%)	125 lbs/ac. 15 lbs/ac. 10 lbs/ac.	3/1 - 5/15 8/15 - 10/15	1/4" - 1/2"	80 LBS./AC. (2.0 LB/1000 S.F.)	175 LBS./AC. (4 LB/1000 S.F.)	175 LBS./AC. (4 LB/1000 S.F.)	2 TONS/AC. (100 LB/1000 S.F.)

NOTE: 1. FOR STANDARD AND SPECIFICATION FOR VEGETATIVE STABILIZATION, SEE SECTION G - "VEGETATIVE PRACTICES IN THE 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL".  
 2. \* FOR 5/16 TO 8/14 ADD 10 LBS. OF MILLET PER ACRE IN EACH SEED MIXTURE.  
 3. \*\* AT TIME OF FINE GRADING, APPLICATION OF FERTILIZER AND LIME RATES SHALL BE BASED ON SOIL TEST RESULTS. COPY OF RECOMMENDED FERTILIZER AND LIME RATES TO BE FURNISHED TO THE SEDIMENT CONTROL INSPECTOR.

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING  
*John D. ...* 2/6/09  
 CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE  
*...* 2/6/09  
 CHIEF, DIVISION OF LAND DEVELOPMENT DATE  
*...* 2/6/09  
 DIRECTOR, DEPARTMENT OF PLANNING AND ZONING DATE

**SITE PLAN**  
 SCALE: 1" = 50'

**SITE PLAN LEGEND**

PROPOSED GRAVEL AREA		EXISTING TREELINE	
SUBJECT PROPERTY LINE		TRANSMISSION TOWER	
ADJACENT PROPERTY LINE		UTILITY POLE	
LIMIT OF DISTURBANCE		CHAINLINK FENCE	
SILT FENCE		BUILDING / HOUSE	
EXISTING OVERHEAD TRANSMISSION LINES		PROPOSED GRASS AREA	
2' COUNTOUR LINE		DRAINAGE AREA LINE	
10' COUNTOUR LINE		DRAINAGE AREA LINE	
BUILDING RESTRICTION LINE		EASEMENT LINE	

**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. 14015, EXPIRATION DATE: 07/12/2008.

**PROPERTY OWNER**  
 BALTIMORE GAS & ELECTRIC COMPANY  
 1068 NORTH FRONT STREET  
 BALTIMORE, MARYLAND 21202  
 PHONE: 410-291-5727  
 ATTN: RENEE OSWALD

**DEVELOPER**  
 VERIZON WIRELESS  
 9000 JUNCTION DRIVE  
 ANNAPOLIS JUNCTION, MD 20701  
 PHONE: 301.512.2000  
 ATTN: JOSH LEVY

DATE	REVISIONS	JOB NO.:
		10427.479
		SCALE: AS SHOWN
		DATE: 01/23/08
		DRAWN BY: DFA
		DESIGN BY: DFA
		REVIEW BY: RWB
		SHEET: 6 OF 7

