

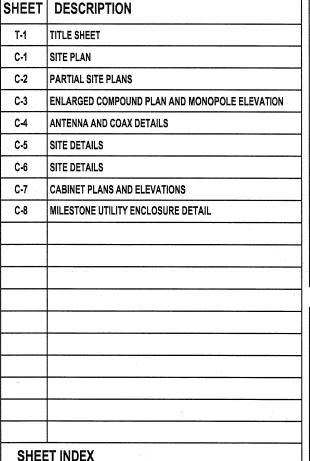
SEARCH RING NAME

COBBS CORNER

SITE NUMBER

IAD-534-D

(3) NEW ANTENNAS AT CL 120'-0" ON NEW LIGHTPOLE REPLACEMENT AND NEW EQUIPMENT ON NEW STEEL PLATFORM



ARCHITECT INFORMATION: ENTREX COMMUNICATION SERVICES, INC. 1575 EYE STREET. N.W. SUITE 350 PHONE: (202)408-0960 FAX: (202)408-0961 CONTACT: MARC MARZULLO FMAIL: MMARZULLO@FNTRFX.COM

APPLICANT:
CRICKET WRELESS, INC.
A.K.A. CRICKET COMMUNICATIONS, INC. 7100 COLUMBIA GATEWAY DRIVE SUITE 120 COLUMBIA, MD 21046 PHONE: (410) 872-0078 FAX: (410) 872-0442

SITE ACQUISITION MANAGER JOHN KESSLER PHONE: (410) 365-2840

LEAD CONSTRUCTION MANAGER: PHONE: (724) 454-4188

PHONE: (443) 622-9362

CONSULTANT TEAM

ELECTRIC DOMINION VIRGINIA POWER 1-(888)-667-3000

TELEPHONE: VERIZON - VIRGINIA (800) 483-2000

CONTRACTOR TO CALL MISS UTILITY OF VIRGINIA (800) 552-7001 (48) HRS PRIOR TO EXCAVATING FOR UNDERGROUND UTILITY LOCATIONS. LOCATION SURROUNDING EXCAVATED AREA MUST BE PRIVATELY LOCATED FOR NON-PUBLIC UTILITIES.

UTILITIES

SITE NAME CENTREVILLE HIGH SCHOOL

SITE ADDRESS 6001 UNION MILL RD CLIFTON, VA 20124

PROPERTY INFORMATION
PARCEL ID: 0661-01-0012A BOOK: 05644 PAGE: 0823 LATITUDE: N 38' 49' 27.280" (NAD 83) LONGITUDE: W 77° 24' 36.089" (NAD 83) GROUND ELEVATION: 359.5' AMSL MAGNETIC DECLINATION: -10.27

ZONING: R-1, RESIDENTIAL 3 DU/AC

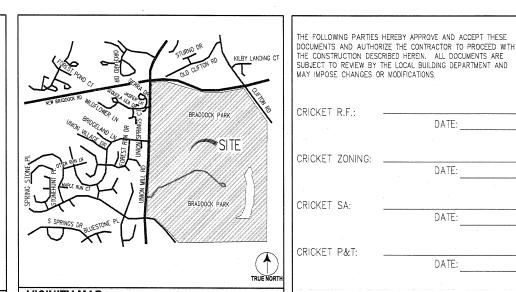
USE: PUBLIC SCHOOLS/TELECOMMUNICATIONS

OWNER: SCHOOL BOARD OF FAIRFAX COUNTY 3115 GATEHOUSE RD FALLS CHURCH, VA 22042

PROJECT SUMMARY

- O HANDICAP ACCESS REQUIREMENTS ARE NOT REQUIRED
- O THE FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION
- O THE FACILITY HAS NO PLUMBING OR REFRIGERANTS
- THE FACILITY SHALL MEET OR EXCEED ALL FAA AND FCC REGULATORY REQUIREMENTS.
- THE FACILITY MEETS THE REQUIREMENTS OF THE 2006

COMPLIANCE NOTES



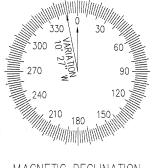
VICINITY MAP (NOT TO SCALE)

FROM DULLES AIRPORT:

START OUT GOING NORTHEAST ON SAARINENE CIR. TOWARD DULLES AIRPORT ACCESS RD., STAY STRIAGHT TO GO ONTO DULLES AIRPORT ACCESS RD. TAKE THE EXIT TOWARD VA-28/VA-267-TOLL/RENTAL CAR RETURN/ ECCONOMY/ PARKING. TAKE THE RAMP TOWARD I-495/WASHINGTON/

VA-28/US-50/VA-7/ STERLING /CENTREVILL, MERGE ONTO VA-28 S., TURN LEFT ONTO NEW BRADOCK RD., PROCEED 0.3 MILE TO 6001 UNION MILL RD.,

DRIVING DIRECTIONS



MAGNETIC DECLINATION

THE FOLLOWING PARTIES HEREBY APPROVE AND ACCEPT THESE

THE CONSTRUCTION DESCRIBED HEREIN. ALL DOCUMENTS ARE

SUBJECT TO REVIEW BY THE LOCAL BUILDING DEPARTMENT AND

DATE:

DATE:

DATE:

DATE:

DATE:

DATE

CRICKET R.F.:

CRICKET SA:

CRICKET P&T:

CRICKET CONST:

CRICKET A&E MGR:

PROPERTY OWNER:

APPROVALS



7100 COLUMBIA GATEWAY DRIVE SUITE 120 COLUMBIA, MD 21046

1575 Eye Street, N.W. Suite 350 WASHINGTON, D.C. 20005 PHONE: (202)408-0960 FAX: (202)408-0961

THE INFORMATION CONTAINED IN THIS SET OF DOCUMENTS IS PROPRIETARY BY NATURE. ANY USE OR DISCLOSURE OTHER, THAN THAT WHICH RELATES TO CLIENT NAME IS STRICTLY PROHIBITED.

	REVISIONS		
DES	IGNED BY:	M.A.	
CHE	CKED BY:	М.М.	
APF	PROVED BY:	·	
МО	DATE.	DESCRIPTION	
	02-11-09	ZONING	
-			
	PROJECT NO	120 110	



SEARCH RING NAME:

COBBS CORNER

SITE NUMBER: IAD-534-D

SITE ADDRESS:

6001 UNION MILL ROAD CLIFTON, VA 20124

DESIGN TYPE:

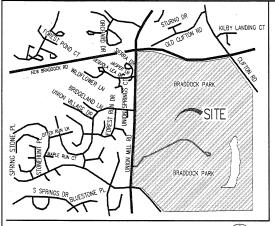
COLLOCATION

DRAWING TITLE:

TITLE SHEET

DRAWING No.:

T-1



VICINITY MAP

TRUE NORTH

SURVEY NOTES

- 1.) SITE NAME: CENTREVILLE HIGH SCHOOL
- 2.) THIS IS NOT A BOUNDARY SURVEY AND IS NOT TO BE USED FOR THE TRANSFER OF PROPERTY.
- 3.) THE SUBJECT PARCEL INFORMATION;

OWNER: SCHOOL BOARD OF FAIRFAX COUNTY PREMISES ADDRESS: 6001 UNION MILL RD CLIFTON, VA 20124

COUNTY: FAIRFAX COUNTY
PARCEL ID #: MAP: 0661-01-0012A
BOOK: 05644 PAGE: 0823
ZONING: R-1, RESIDENTIAL 1 DU/AC

- 5.) NO UNDERGROUND UTILITIES HAVE BEEN LOCATED, THE PRESENCE OF ANY SUCH UTILITIES MUST BE CONFIRMED BY THE CONTRACTOR BEFORE CONSTRUCTION.
- 6.) NO WETLANDS HAVE BEEN DEFINED AND ANY AREAS SHOWN AS MARSH, PONDS OR DITCHES ARE DONE SO FROM VISIBLE SURFACE FEATURES AND IN NO WAY CONSTITUTE A DEFINED WETLAND.
- 7.) THE DATA COLLECTED AND SHOWN ON THIS DRAWING ARE FOR THE PURPOSES OF CONSTRUCTION OF A CELLULAR LIGHTPOLE REPLACEMENT, ANY NECESSARY ANCILLARY EQUIPMENT AND ALL APPROPRIATE EASEMENTS.
- 8.) THIS PROPERTY IS SUBJECT TO ALL MATTERS OF PUBLIC RECORD.
- 9.) THE LOCATION OF THE PROPOSED LIGHTPOLE REPLACEMENT IS
 AS FOLLOWS: THE VALUES LISTED BELOW ARE WITHIN ±50" HORIZONTAL AND ±20" VERTICAL.
 LATITUDE: N 38' 49' 27.280" (NAD 83)
 LONGITUDE: W 77' 24' 36.089" (NAD 83)

ELEVATION: 359.5' AMSL

LINE TYPES

BOUNDARY LINE - PARENT PARCEL

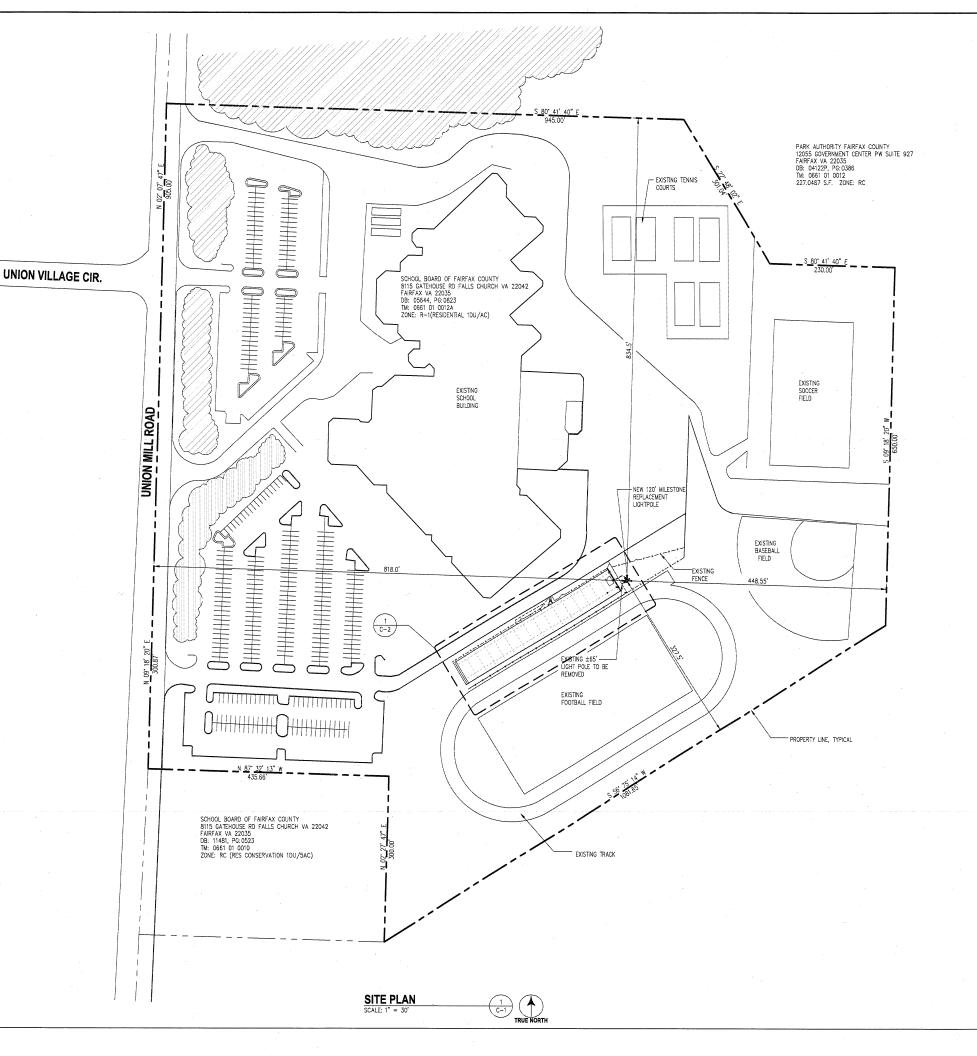
TIE LINE FOR DIMENSIONS

RIGHT OF WAY BOUNDARY

INTERIOR LOT LINES

FENCE LINE - CHAIN

TREE OR VEGETATION LINE





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CHE	CKED BY:	M.M.		
APF	ROVED BY:			
NO	DATE .	DESC	RIPTION	
	02-11-09	ZONING		Ī
	CHE	DESIGNED BY: CHECKED BY: APPROVED BY: NO DATE	DESIGNED BY: M.A. CHECKED BY: M.M. APPROVED BY: NO DATE DESC 02-11-09 ZONING	DESIGNED BY: M.A.

PROJECT NO: 1129.119



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IAD-534-D

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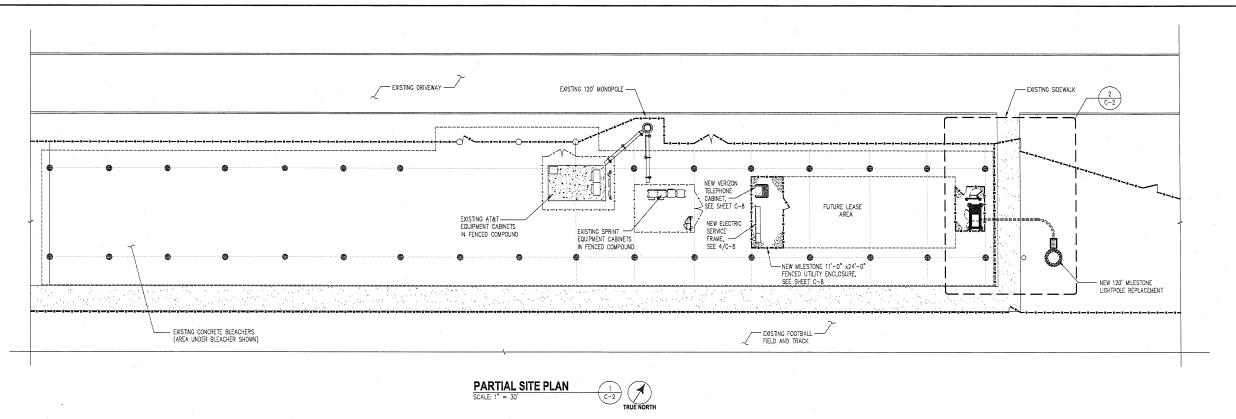
DESIGN TYPE:

COLLOCATION

DRAWING TITLE:

SITE PLAN

DRAWING No.:





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NO	DATE	DESCRIPTION
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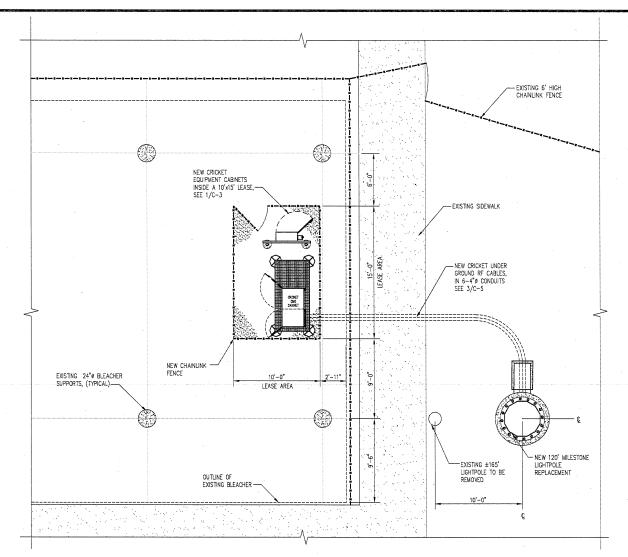
COLLOCATION

DRAWING TITLE:

PARTIAL SITE PLANS

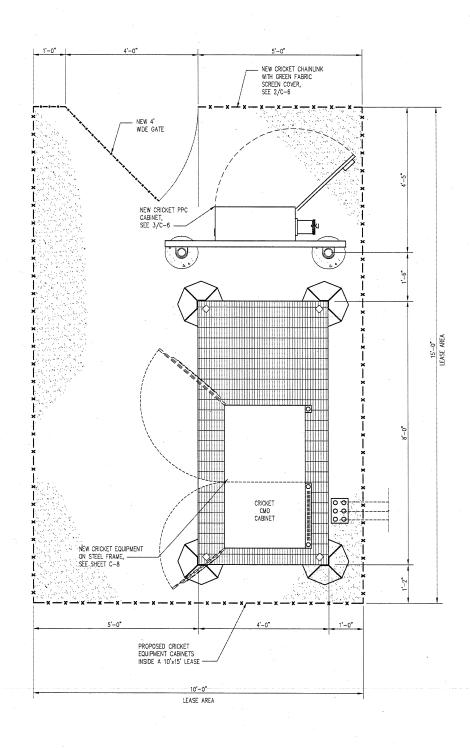
DRAWNG No.:

C-2

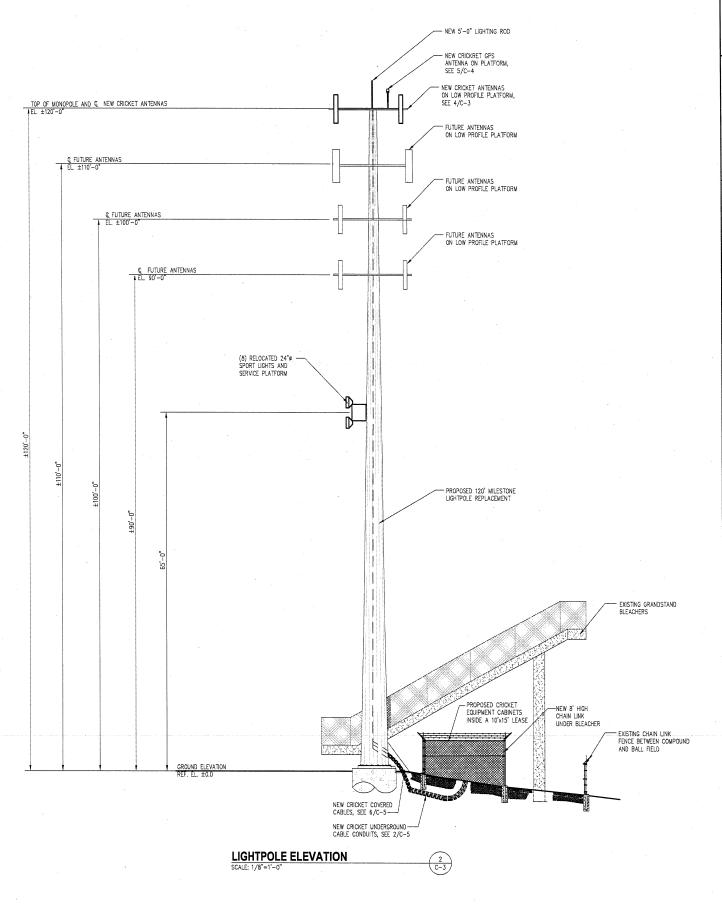


2 C-2 TRUE NORTH

PARTIAL SITE PLAN









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DESIGN TYPE:

COLLOCATION

DRAWING TITLE:

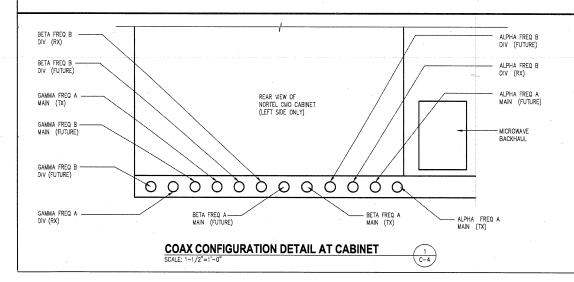
ENLARGED COMPOUND PLAN AND LIGHTPOLE ELEVATION

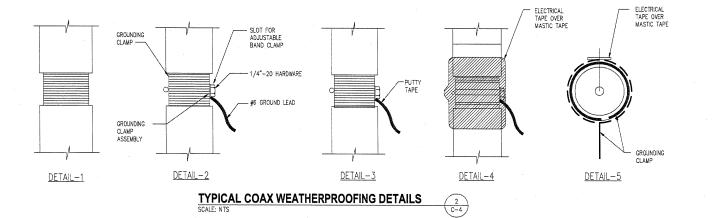
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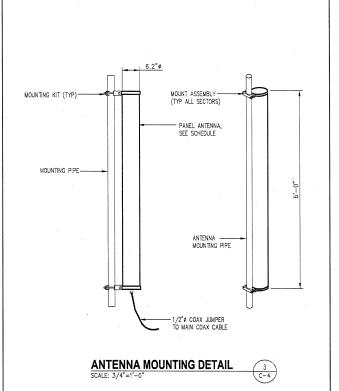
ANTENNA INFORMATION			
	SECTOR 1	SECTOR 2	SECTOR 3
MFR	KMW	KMW	KMW
MODEL	HB-X-AW-19-65-00T	HB-X-AW-19-65-00T	HB-X-AW-19-65-00T
QUANTITY	1	1 .	. 1
WEIGHT (LBS)	28.66	28.66	28.66
DIM	6.2"ø x 72"	6.2"ø x 72"	6.2"ø x 72"
RAD CENTER (FT)	100'-0"	100'-0"	100'-0"
AZIMUTH (DEG)	0.	120°	2400*
ELECTRICAL DOWNTILT	0.	0.	. 0
MECHANICAL DOWNTLT	0.	0,	0.
	CABLE INFORI	MATION	
COAX CABLE MFR	RFS	RFS	RFS
COAX CABLE MODEL	LCF158 50JL	LCF158 50JL	LCF158 50JL
COAX CABLE DIA (IN)	1 5/8"ø	1 5/8"ø	1 5/8 " ¢
QUANTITY	2	2	2
COAX LENGHT (FT)	150	150	150
COLOR CODE (TX)	YELLOW/BROWN	RED/BROWN	GREEN/BROWN
COLOR CODE (RX)	YELLOW/WHITE	RED/WHITE	GREEN/WHITE
JUMPER MFR	RFS	RFS	RFS
JUMPER MODEL (ANTENNA)	TMTML12060 FFS	TMTML12060 FFS	TMTML12060 FFS
JUMPER MODEL (CABINET)	TMNML12060 FFS	TMNML12060 FFS	TWNML12060 FFS
JUMPER LENGHT (FT)	6	6	6
CONNECTER MFR	RFS	RFS	RFS
CONNECTER MODEL	716P-LCF-1 5/8-022K	716P-LCF-1 5/8-022K	716P-LCF-1 5/8-022K

ANTENNA AND CABLE INFORMATION

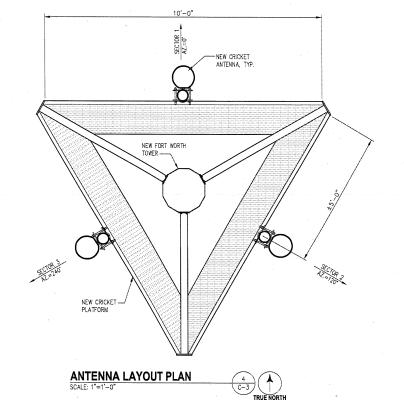
- 1. EACH LINE OF COAX SHALL BE LABELED PURSUANT TO THE COLOR CODING SCHEDULE 12" BEFORE ANY CONNECTOR. COLOR CODING METHOD IS BY MEANS OF 2" WIDE COLORED ELECTRICAL TAPE WRAPED AROUND COAX THREE TIMES TO PRODUCE A STRIPE. (I.E. TWO RED WILL HAVE TWO STRIPES) (3M SCOTCH SUPER 88 ELECTRICAL TAPE-ALL WEATHER, HEAVY DUTY, ABRASION RESISTANCE TAPE-38" WIDE)
- 2. ALL MAIN COAX LINES WILL BE GROUNDED AT SPECIFIED LOCATIONS AND ACCORDING TO MANUFACTURER'S SPECIFICATION.
- 3. ALL INSTANCES WHERE THE COAX HAS BEEN CUT, MODIFIED, SPLICED OR STRIPPED SHALL BE PROPERLY SEALED ACCORDING TO MANUFACTURER'S SPECIFICATIONS.
- 4. ALL COAX IS TO BE PROPERLY INSPECTED UPON RECEIPT AND SHALL BE HANDLED ACCORDING TO THE MANUFACTURER SPECIFICATIONS, IT SHALL NOT BE BENT BEYOND SPECIFICATION.
- 5. COAX SHALL BE INSTALLED TO SHED WATER IMMEDIATELY BEFORE ENTRY INTO INTERIOR AREAS OF THE EQUIPMENT.
- 6, ALL ANTENNAS (AND SUPPORTING STRUCTURES AS PRACTICAL) SHALL BE ACCURATELY ORIENTED IN THE SPECIFIED DIRECTION,
- 7. SWEEP TEST SHALL BE PERFORMED BY GENERAL CONTRACTOR AND SUBMITTED TO CRICKET REPRESENTATIVE. TEST SHALL BE PERFORMED PER CRICKET STANDARDS.

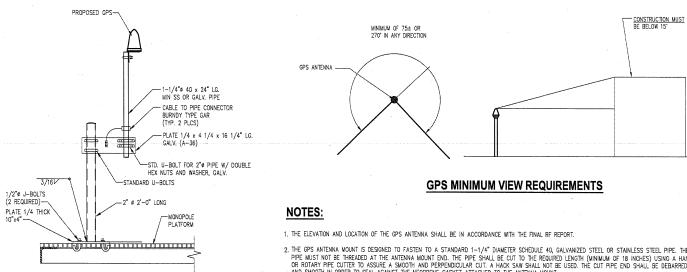






GPS MOUNTING DETAIL





- 2. THE GPS ANTENNA MOUNT IS DESIGNED TO FASTEN TO A STANDARD 1-1/4" DIAMETER SCHEDULE 40, GALVANIZED STEEL OR STAINLESS STEEL PIPE. THE PIPE MUST NOT BE THREADED AT THE ANTENNA MOUNT END. THE PIPE SHALL BE CUIT TO THE REQUIRED LENGTH (WINIMUM OF 18 MCHES) USING A HAND OR ROTARY PIPE CUITER TO ASSURE A SMOOTH AND PERPENDICULAR CUIT. A HACK SAW SHALL NOT BE USED. THE CUIT PIPE END SHALL BE DEBARRED AND SMOOTH IN ORDER TO SEAL AGAINST THE NEOPRENE GASKET ATTACHED TO THE ANTENNA MOUNT.
- 3. IT IS CRITICAL THAT THE GPS ANTENNA IS MOUNTED SUCH THAT IT IS WITHIN 2 DEGREES OF VERTICAL AND THE BASE OF THE ANTENNA IS WITHIN 2 DEGREES OF LEVEL.
- 4. DO NOT SWEEP TEST GPS ANTENNA CABLE.



7100 COLUMBIA GATEWAY DRIVE



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CHE	CKED BY:	M.M.				
APF	PROVED BY:					
NO	DATE	DESCRIPTION				
	02-11-09	ZONING				
		,				
	PROJECT NO: 1129.119					



SEARCH RING NAME:

COBBS CORNER

IAD-534-D

SITE NUMBER:

SITE ADDRESS:

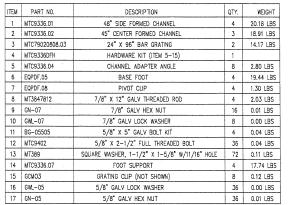
6001 UNION MILL ROAD CLIFTON, VA 20124

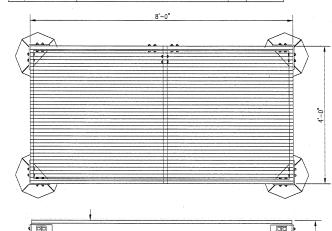
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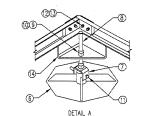
COLLOCATION

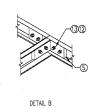
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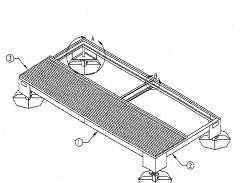
ANTENNA AND COAX DETAILS











NOTES:

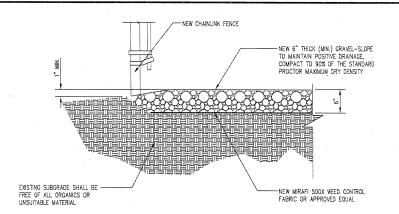
1. PLATFORM MANUFACTURER: ANDREW, PART #MTC9336B4DF REV. A DATED 03-09-06

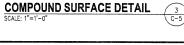
- 3. FINISH: GALV PER ASTM 123 4. ASSEMBLED WEIGHT: 569.03 LBS.
- 5. ONLY PARTIAL GRATING SHOWN FOR CLARITY

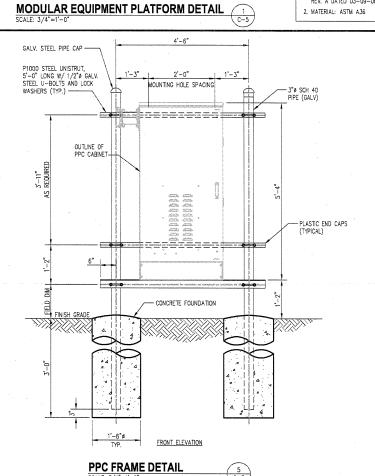
MATCH EXISTING GRADE -FINISH GRADE PLASTIC TRACER TAPE LABELLED
"WARNING! ELECTRICAL CABLES BELOW!" 000 SAND FILL AROUND CONDUITS 000(6) 4"ø SCHEDULE 40 PVC CONDUIT WITH PULL LINES FOR COAXIAL CABLES PLUS (1) 1/2" # GPS CABLE

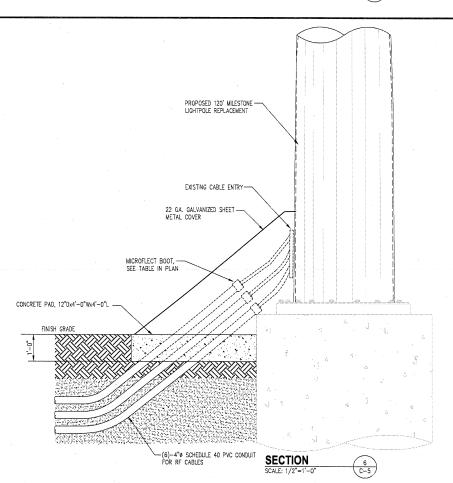
EXCAVATE EXISTING SUBGRADE AS REQUIRED TO INSTALL CONDUITS IN ACCORDANCE WITH OSHA AND ALL APPLICABLE CODES.

BURRIED CONDUIT DETAIL (2) Co-5











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6001 UNION MILL ROAD CLIFTON, VA 20124

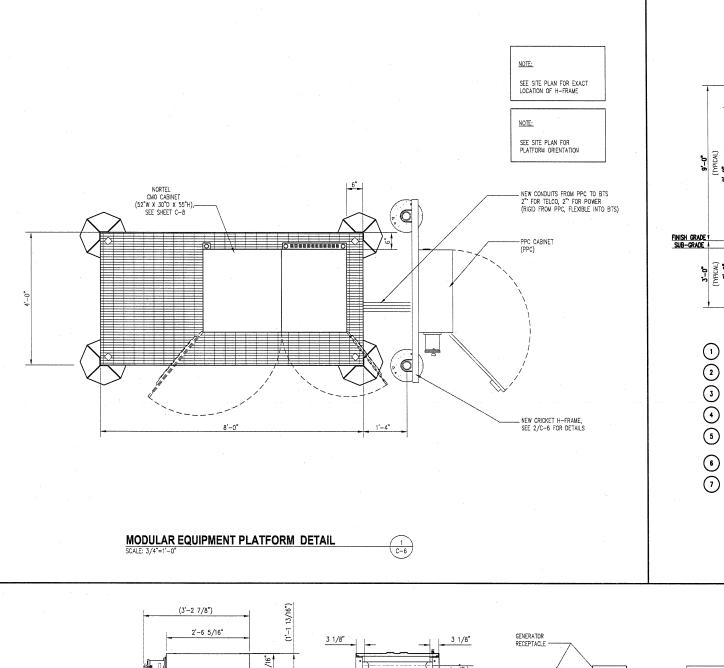
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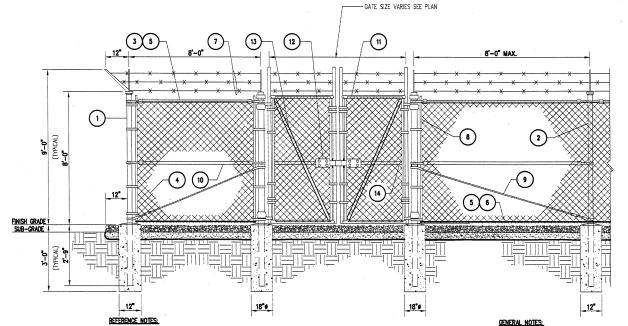
COLLOCATION

DRAWING TITLE:

SITE DETAILS

DRAWING No.:





- CORNER, END OR PULL POST 4" NOMINAL SCHEDULE 40 PIPE.
- LINE POST: 3" SCHEDULE 40 PIPE, PER ASTM-F1083. LINE POSTS SHALL BE EQUALLY SPACED AT MAXIMUM B'-0" O.C.
- TOP RAIL & BRACE RAIL: 1 1/2" PIPE, PER ASTM-F1083.
- FABRIC: 9 GA CORE WIRE SIZE 2" MESH, CONFORMING TO ASTM-A392.
- 5 TIE WIRE: MINIMUM 11 GA GALVANIZED STEEL AT POSTS AND RAILS A SINGLE WRAP OF FABRIC TIE AND AT TENSION WIRE BY HOG RINGS SPACED MAX. 24" INTERVALS.
- 6 TENSION, WIRE: 9 GA. GALVANIZED STEEL.
- BARBED WIRE: DOUBLE STRAND 12-1/2" O.D. TWISTED WIRE TO MATCH WITH FABRIC 14 GA, 4 PT. BARBS SPACED ON APPROXIMATELY 5" CENTERS.

(3 C-6

- 8 STRETCHER BAR.
- 9 3/8" DIAGONAL ROD WITH GALVANIZED STEEL TURNBUCKLE OR DIAGONAL THREADED ROD.
- 10 FENCE CORNER POST BRACE: 1 5/8° DIA. EACH CORNER EACH WAY.

1. INSTALL FENCING PER ASTM F-567

2. INSTALL SWING GATES PER ASTM F- 900

5. ALL OPEN POSTS SHALL HAVE END-CAPS.

LOCAL ORDINANCE OF BARBED WIRE PERMIT REQUIREMENT SHALL BE COMPLIED IF REQUIRED.

4. POST & GATE PIPE SIZES ARE INDUSTRY STANDARDS.
ALL PIPE TO BE 1 1/2" GALV.
(HOT DIP, ASTM 4/20 GRADE "A" STEEL).
ALL GATE FAVES SHALL BE WELDED.
ALL WELDING SHALL BE COATED WITH (3) COATS
OF COLD GALV. (OR EQUAL).

- (1) GATE FRAME: 1 1/2" PIPE, PER ASTM-F1083.
- 12 "MTS" MULT:-LOCKING DEVICE #MT-C6477, (O.F.C.I.)
- (13) GATE DIAGONAL GALVANIZED STEEL 1 1/2" PIPE.
- (14) GATE FRAME BRACE: 1 5/8" DIAMETER.

DETAIL

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SUITE 120 COLUMBIA, MD 21046



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7.6			
DESIGNED BY:		M.A.	
CHECKED BY:		M.M.	
APF	ROVED BY:		
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	02-11-09	ZONING	

PROJECT NO: 1129.119



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IAD-534-D

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6001 UNION MILL ROAD CLIFTON, VA 20124

DESIGN TYPE:

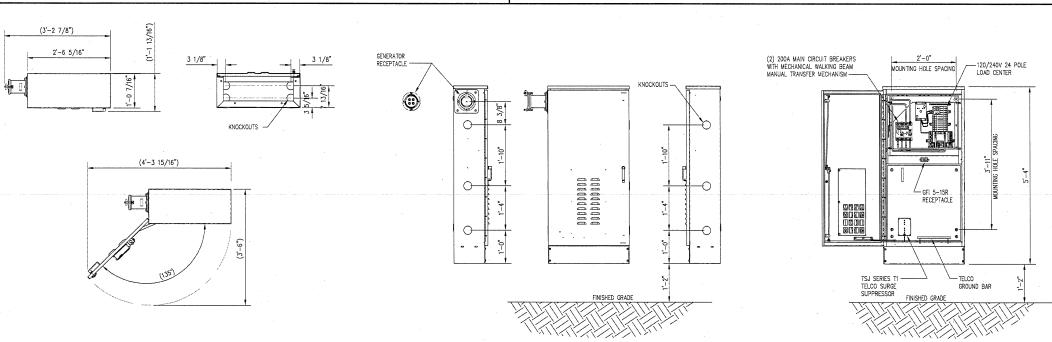
COLLOCATION

DRAWING TITLE:

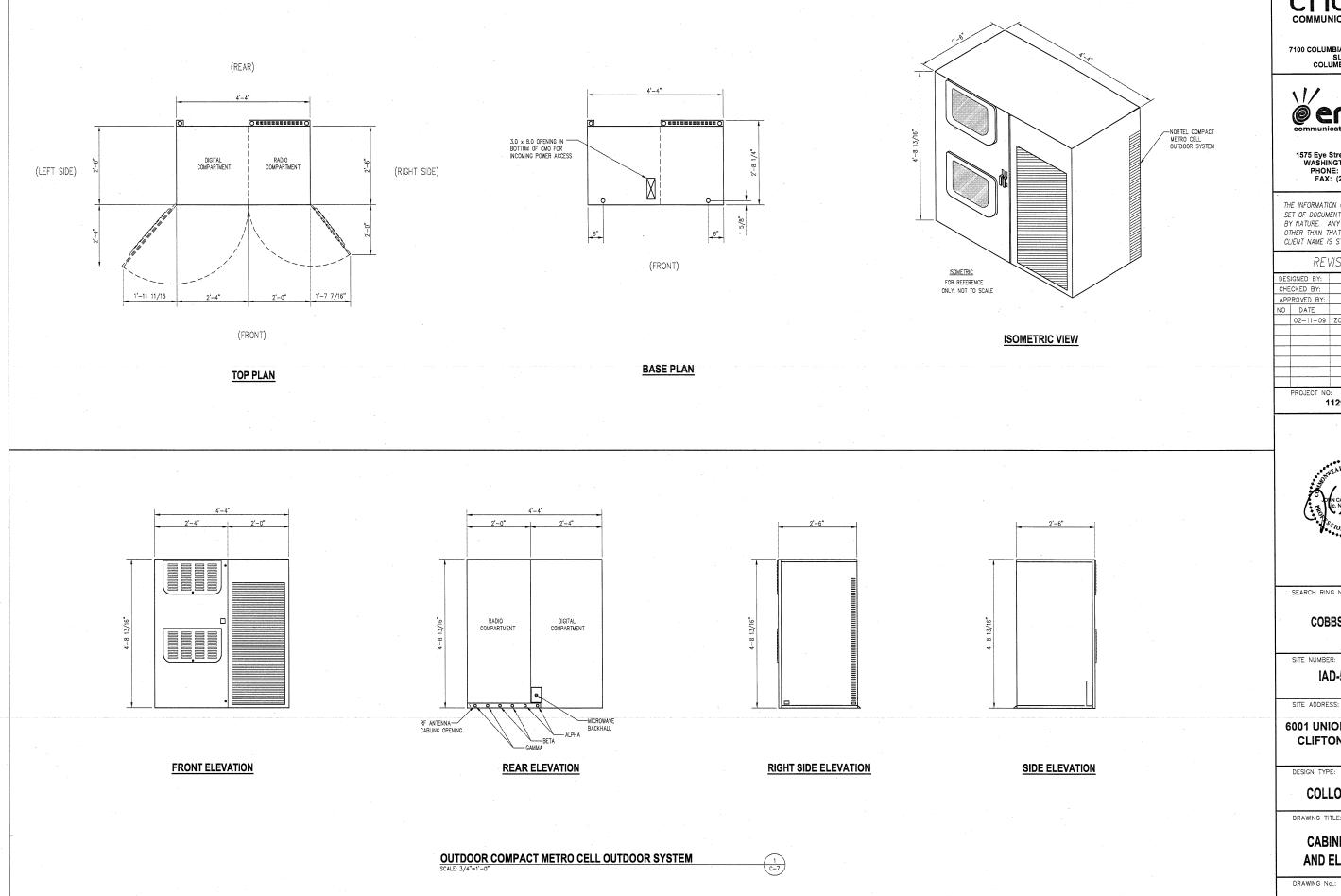
SITE DETAILS

DRAWING No.:

C-6



PPC DETAILS





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		part .		
	1			

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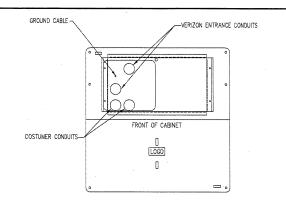
6001 UNION MILL ROAD CLIFTON, VA 20124

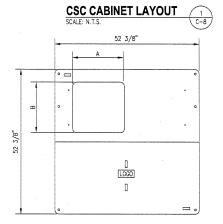
COLLOCATION

DRAWING TITLE:

CABINET PLANS AND ELEVATIONS

DRAWING No.:

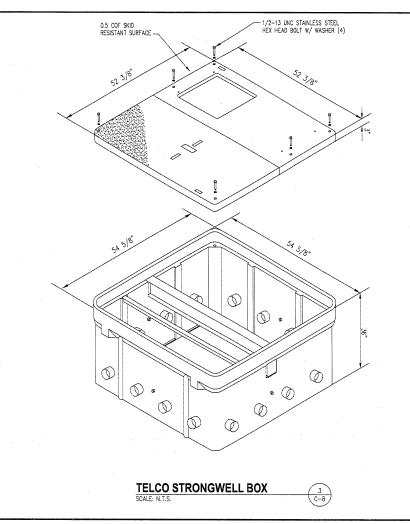


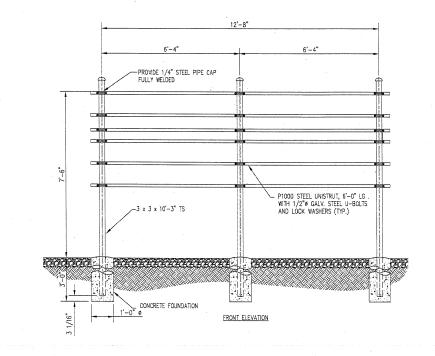


| BOX ASSEMBLY | DIMENSION | DIMENSION | HUB | CABINET | PG4848Z511 | 19" | 18 1/8" | CSC | PG4848Z505 | 10" | 18 1/4" | CFL

2 C-8

ACCESS PORT DETAIL





ELECTRICAL SERVICE FRAME



1129.119

7100 COLUMBIA GATEWAY DRIVE SUITE 120 COLUMBIA, MD 21046

1575 Eye Street, N.W. Suite 350 WASHINGTON, D.C. 20005 PHONE: (202)408-0960 FAX: (202)408-0961

THE INFORMATION CONTAINED IN THIS SET OF DOCUMENTS IS PROPRIETARY

BY NATURE. ANY USE OR DISCLOSURE

OTHER THAN THAT WHICH RELATES TO CLIENT NAME IS STRICTLY PROHIBITED.

REVISIONS

DESIGNED BY: M.A.

CHECKED BY: M.M.

NO DATE DESCRIPTION

02-11-09 ZONING

APPROVED BY:

PROJECT NO:

SEARCH RING NAME:

COBBS CORNER

SITE NUMBER:

SITE ADDRESS:

6001 UNION MILL ROAD CLIFTON, VA 20124

IAD-534-D

DESIGN TYPE:

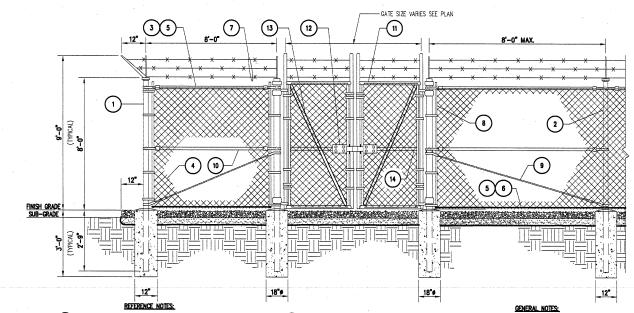
COLLOCATION

DRAWING TITLE:

MILESTONE **UTILITY ENCLOSURE DETAILS**

DRAWING No.:

C-8



- CORNER, END OR PULL POST 4" NOMINAL SCHEDULE 40 PIPE.
- LINE POST: 3" SCHEDULE 40 PIPE, PER ASTM-F1083, LINE POSTS SHALL BE EQUALLY SPACED AT MAXIMUM 8'-0" O.C.
- TOP RAIL & BRACE RAIL: 1 1/2" PIPE, PER ASTM-F1083.
- FABRIC: 9 GA CORE WIRE SIZE 2" MESH, CONFORMING TO ASTM-A392.
- 5 TIE WIRE: MINIMUM 11 GA GALVANIZED STEEL AT POSTS AND RAILS A SINGLE WRAP OF FABRIC TIE AND AT TENSION WIRE BY HOG RINGS SPACED MAX. 24" INTERVALS.
- 6 TENSION WIRE: 9 GA. GALVANIZED STEEL.
- BARBED WIRE: DOUBLE STRAND 12-1/2" O.D. TWISTED WIRE TO MATCH WITH FABRIC 14 GA, 4 PT. BARBS SPACED ON APPROXIMATELY 5" CENTERS.

- 8 STRETCHER BAR.
- 3/8" DIAGONAL ROD WITH GALVANIZED STEEL TURNBUCKLE
 OR DIAGONAL THREADED ROD.
- 10) FENCE CORNER POST BRACE: 1 5/8" DIA. EACH CORNER EACH WAY.

1. INSTALL FENCING PER ASTM F-567 2. INSTALL SWING GATES PER ASTM F- 900

5. ALL OPEN POSTS SHALL HAVE END-CAPS.

3. LOCAL ORDINANCE OF BARBED WIRE PERMIT REQUIREMENT SHALL BE COMPLIED IF REQUIRED.

POST & GATE PIPE SIZES ARE INDUSTRY STANDARDS.
ALL PIPE TO BE 1 1/2" GALV.
(HOT DIP, ASTM A120 GRADE "A" STEEL).
ALL GATE FRAMES SHALL BE WELDED.
ALL WELDING SHALL BE COATED WITH (3) COATS
OF COLD GALV. (OR EQUAL).

- (11) GATE FRAME: 1 1/2" PIPE, PER ASTM-F1083.
- 12 "MTS" MULTI-LOCKING DEVICE #MT-C6477, (O.F.C.I.)
- (13) GATE DIAGONAL GALVANIZED STEEL 1 1/2° PIPE.
- (14) GATE FRAME BRACE: 1 5/8" DIAMETER.
- DETAIL SCALE: 1/2"=1'-0" 5 C-8