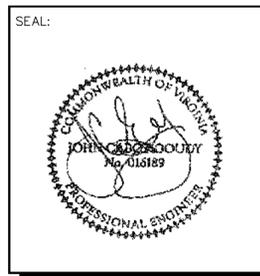




6600 Rockledge Drive, Suite 550
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 PHONE: (202)408-0960
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SUBMITTALS		
DATE	DESCRIPTION	REV.
04-30-18	ZONING SUBMITTAL	
06-06-18	ZONING SUBMITTAL	



PROJECT NO:	1050.215
DESIGNER:	C. S.
ENGINEER:	M. M.

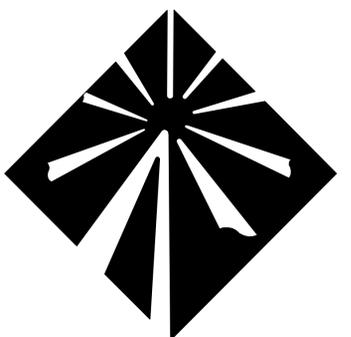
SCALE:
 AS NOTED ON DRAWINGS

**WESTERN ALBEMARLE
 HIGH SCHOOL
 5941 ROCKFISH GAP TPKE
 CROZET, VA 22932**

TITLE:

TITLE SHEET

SHEET NUMBER:
T-1

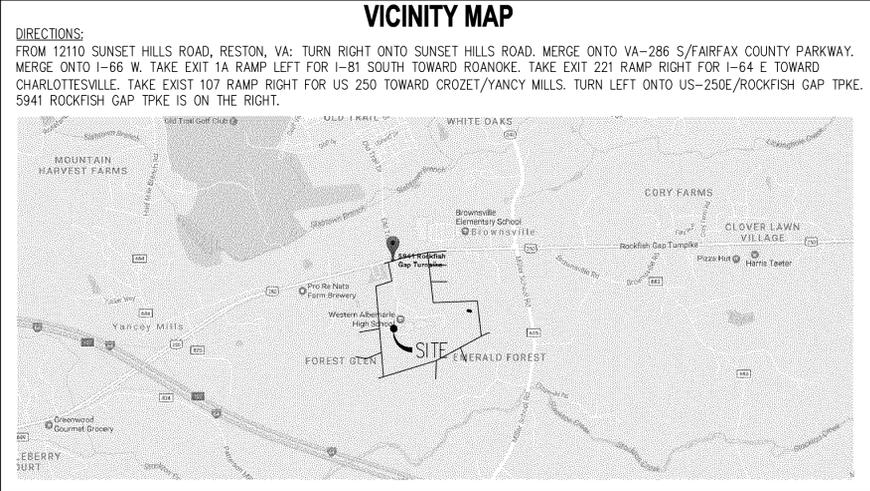


Milestone
 COMMUNICATIONS



MILESTONE COMMUNICATIONS - SHENTEL AT WESTERN ALBEMARLE HIGH SCHOOL 5941 ROCKFISH GAP TURNPIKE CROZET, VA 22932

- THE CONTRACTOR SHALL GIVE ALL NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY, MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS, AND LOCAL AND STATE JURISDICTIONAL CODES BEARING ON THE PERFORMANCE OF THE WORK. THE WORK PERFORMED ON THE PROJECT AND THE MATERIALS INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS AND ORDINANCES.
- THE ARCHITECT/ENGINEER HAS MADE EVERY EFFORT TO SET FORTH IN THE CONSTRUCTION AND CONTRACT DOCUMENTS THE COMPLETE SCOPE OF WORK. THE CONTRACTOR BIDDING THE JOB IS NEVERTHELESS CAUTIONED THAT MINOR OMISSIONS OR ERRORS IN THE DRAWINGS AND OR SPECIFICATIONS SHALL NOT EXCUSE SAID CONTRACTOR FROM COMPLETING THE PROJECT AND IMPROVEMENTS IN ACCORDANCE WITH THE INTENT OF THESE DOCUMENTS.
- THE CONTRACTOR OR BIDDER SHALL BEAR THE RESPONSIBILITY OF NOTIFYING (IN WRITING) THE CONSTRUCTION MANAGER OF ANY CONFLICTS, ERRORS, OR OMISSIONS PRIOR TO THE SUBMISSION OF CONTRACTOR'S PROPOSAL OR PERFORMANCE OF WORK. IN THE EVENT OF DISCREPANCIES THE CONTRACTOR SHALL PRICE THE MORE COSTLY OR EXTENSIVE WORK, UNLESS DIRECTED IN WRITING OTHERWISE.
- THE SCOPE OF WORK SHALL INCLUDE FURNISHING ALL MATERIALS, EQUIPMENT, LABOR AND ALL OTHER MATERIALS AND LABOR DEEMED NECESSARY TO COMPLETE THE WORK/PROJECT AS DESCRIBED HEREIN.
- THE CONTRACTOR SHALL VISIT THE JOB SITE PRIOR TO THE SUBMISSION OF BIDS OR PERFORMING WORK TO FAMILIARIZE HIMSELF WITH THE FIELD CONDITIONS AND TO VERIFY THAT THE PROJECT CAN BE CONSTRUCTED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
- THE CONTRACTOR SHALL OBTAIN AUTHORIZATION TO PROCEED WITH CONSTRUCTION PRIOR TO STARTING WORK ON ANY ITEM NOT CLEARLY DEFINED BY THE CONSTRUCTION DRAWING/CONTRACT DOCUMENTS.
- THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS ACCORDING TO THE MANUFACTURER'S/VENDOR'S SPECIFICATION UNLESS NOTED OTHERWISE OR WHERE LOCAL CODES OR ORDINANCES TAKE PRECEDENCE.
- THE CONTRACTOR SHALL PROVIDE A FULL SET OF CONSTRUCTION DOCUMENTS AT THE SITE UPDATED WITH THE LATEST REVISIONS AND ADDENDA OR CLARIFICATIONS AVAILABLE FOR THE USE BY ALL PERSONNEL INVOLVED WITH THE PROJECT.
- THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE PROJECT DESCRIBED HEREIN. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND INSPECTIONS WHICH MAY BE REQUIRED FOR THE BY THE ARCHITECT/ENGINEER, THE STATE, COUNTY OR LOCAL GOVERNMENT AUTHORITY.
- THE CONTRACTOR SHALL MAKE NECESSARY PROVISIONS TO PROTECT EXISTING IMPROVEMENTS, EASEMENTS, PAVING, CURBING, ETC. DURING CONSTRUCTION. UPON COMPLETION OF WORK, THE CONTRACTOR SHALL REPAIR ANY DAMAGE THAT MAY HAVE OCCURRED DUE TO CONSTRUCTION ON OR ABOUT THE PROPERTY.
- THE CONTRACTOR SHALL KEEP THE GENERAL WORK AREA CLEAN AND HAZARD FREE DURING CONSTRUCTION AND DISPOSE OF ALL DIRT, DEBRIS, RUBBISH AND REMOVE EQUIPMENT NOT SPECIFIED AS REMAINING ON THE PROPERTY. PREMISES SHALL BE LEFT IN CLEAN CONDITION AND FREE FROM PAINT SPOTS, DUST, OR SMUDGES OF ANY NATURE.
- THE CONTRACTOR SHALL COMPLY WITH ALL OSHA REQUIREMENTS AS THEY APPLY TO THIS PROJECT.
- THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER WHERE A CONFLICT OCCURS ON ANY OF THE CONTRACT DOCUMENTS. THE CONTRACTOR IS NOT TO ORDER MATERIAL OR CONSTRUCT ANY PORTION OF THE WORK THAT IS IN CONFLICT UNTIL THE CONFLICT IS RESOLVED BY THE CONSTRUCTION MANAGER.
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS, PROPERTY LINES, ETC. ON THE PROJECT.



SYMBOLS AND ABBREVIATIONS

ADJ	ADJUSTABLE	MECH	MECHANICAL	⊕	SPOT ELEVATION
APPROX	APPROXIMATE	MFR	MANUFACTURER	⊕	CENTERLINE
CAB	CABINET	MGB	MAIN GROUND BAR	⊕	PLATE
CLG	CEILING	MIN	MINIMUM	⊕	DETAIL NUMBER SHEET NUMBER
CONC	CONCRETE	MTL	METAL	⊕	GROUND WIRE
CONT	CONTINUOUS	NIC	NOT IN CONTRACT	⊕	ANTENNA
CJ	CONSTRUCTION JOINT	NTS	NOT TO SCALE	⊕	CALL
DIA	DIAMETER	OC	ON CENTER	⊕	MISS UTILITY
DWG	DRAWING	OPP	OPPOSITE	⊕	8-1-1
EGB	EQUIPMENT GROUND BAR	SF	SQUARE FOOT	⊕	3 WORKING DAYS PRIOR TO DIGGING
EA	EACH	SHT	SHEET	⊕	SAFETY PRECAUTIONS SHALL BE IMPLEMENTED BY
ELEC	ELECTRICAL	SIM	SIMILAR	⊕	CONTRACTOR(S) AT ALL TRENCHING IN ACCORDANCE WITH
EL	ELEVATION	SS	STAINLESS STEEL	⊕	CURRENT OSHA STANDARD
EQ	EQUAL	STL	STEEL	⊕	
EQUIP	EQUIPMENT	TOC	TOP OF CONCRETE	⊕	
EXT	EXTERIOR	TOM	TOP OF MASONRY	⊕	
FF	FINISHED FLOOR	TOS	TOP OF STEEL	⊕	
GA	GAGE	TYP	TYPICAL	⊕	
GALV	GALVANIZED	VF	VERIFY IN FIELD	⊕	
GB	GROUND BAR	UON	UNLESS OTHERWISE NOTED	⊕	
GC	GENERAL CONTRACTOR	WWF	WELDED WIRE FABRIC	⊕	
GRND	GROUND	W/	WITH	⊕	
LG	LONG	&	AND	⊕	
LLH	LONG LEG HORIZONTAL	⊙	AT	⊕	
MAX	MAXIMUM			⊕	

SHEET INDEX

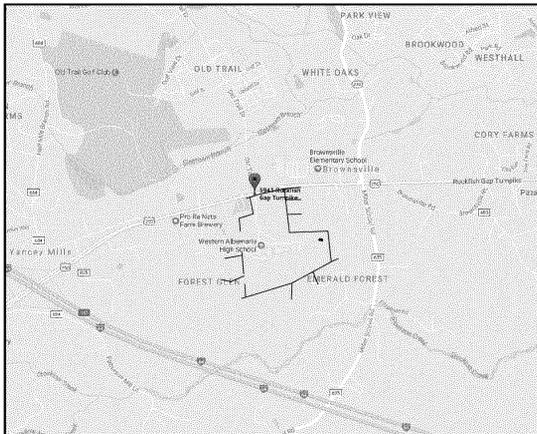
T-1	TITLE SHEET
Z-1	SITE PLAN
Z-1A	TOPOGRAPHIC MAP PLAN
Z-1B	ADJOINERS
Z-1C	CONTOURS PLAN
Z-2	EROSION AND SEDIMENT CONTROL PLAN AND DETAILS
Z-3	COMPOUND PLAN
Z-4	MONOPOLE ELEVATION
Z-5	SHENTEL ANTENNA LAYOUT, SECTION, DETAILS AND SCHEDULE
Z-6	SHENTEL EQUIPMENT LAYOUT AND DETAILS
Z-7	SHENTEL FIBER DISTRIBUTION AND PTC CABINET DETAILS
Z-8	SCHOOL ANTENNA AND RRH DETAILS
Z-9	SITE DETAILS
Z-10	TREE SURVEY PLAN
Z-11	TREE SURVEY - TREES TO REMAIN
Z-12	LANDSCAPE PLAN

PROJECT DESCRIPTION

SCOPE OF WORK: 1. INSTALL EROSION AND SEDIMENT CONTROLS.
 1. INSTALL TEMPORARY CONSTRUCTION ENTRANCE. CLEAR TREES.
 2. INSTALL TEMPORARY GRAVEL ACCESS ROAD TO COMPOUND.
 4. CLEAR AND GRADE SITE TO FINAL SUBGRADE ELEVATION.
 5. INSTALL MONOPOLE FOUNDATION AND 145' HIGH MONOPOLE.
 6. INSTALL EQUIPMENT FRAME AND EQUIPMENT
 7. INSTALL GROUNDING, MESA CABINET BASE, UTILITY WIREWAY.
 8. INSTALL ELECTRICAL AND TELEPHONE CONDUIT AND HAND HOLES.
 9. INSTALL FENCE AND SITE IMPROVEMENTS.
 10. INSTALL ANTENNAS, CABLES, RRRHS AND EQUIPMENT.

PROJECT INFORMATION

PROPERTY OWNER:	COUNTY OF ALBEMARLE SCHOOL BOARD 401 MCINTIRE ROAD CHARLOTTESVILLE, VA 22902	LATITUDE:	N 38° 02' 51.438"
APPLICANT:	MILESTONE COMMUNICATIONS 12110 SUNSET HILLS ROAD, SUITE 100 RESTON, VA 20190 MR. LEN FORKAS (703) 620-2555 EX. 104	LONGITUDE:	W -78° 42' 08.320"
		GROUND ELEVATION:	+684.9'
		JURISDICTION:	ALBEMARLE COUNTY
		PROPERTY INFO:	ACCT. NO. 05600-00-00-017C0
		CURRENT ZONING:	RURAL AREA
		USE:	HIGH SCHOOL/ TELECOMMUNICATIONS SITE



VICINITY MAP
SCALE: 1" = 2000'



SITE PLAN NOTES

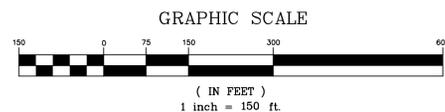
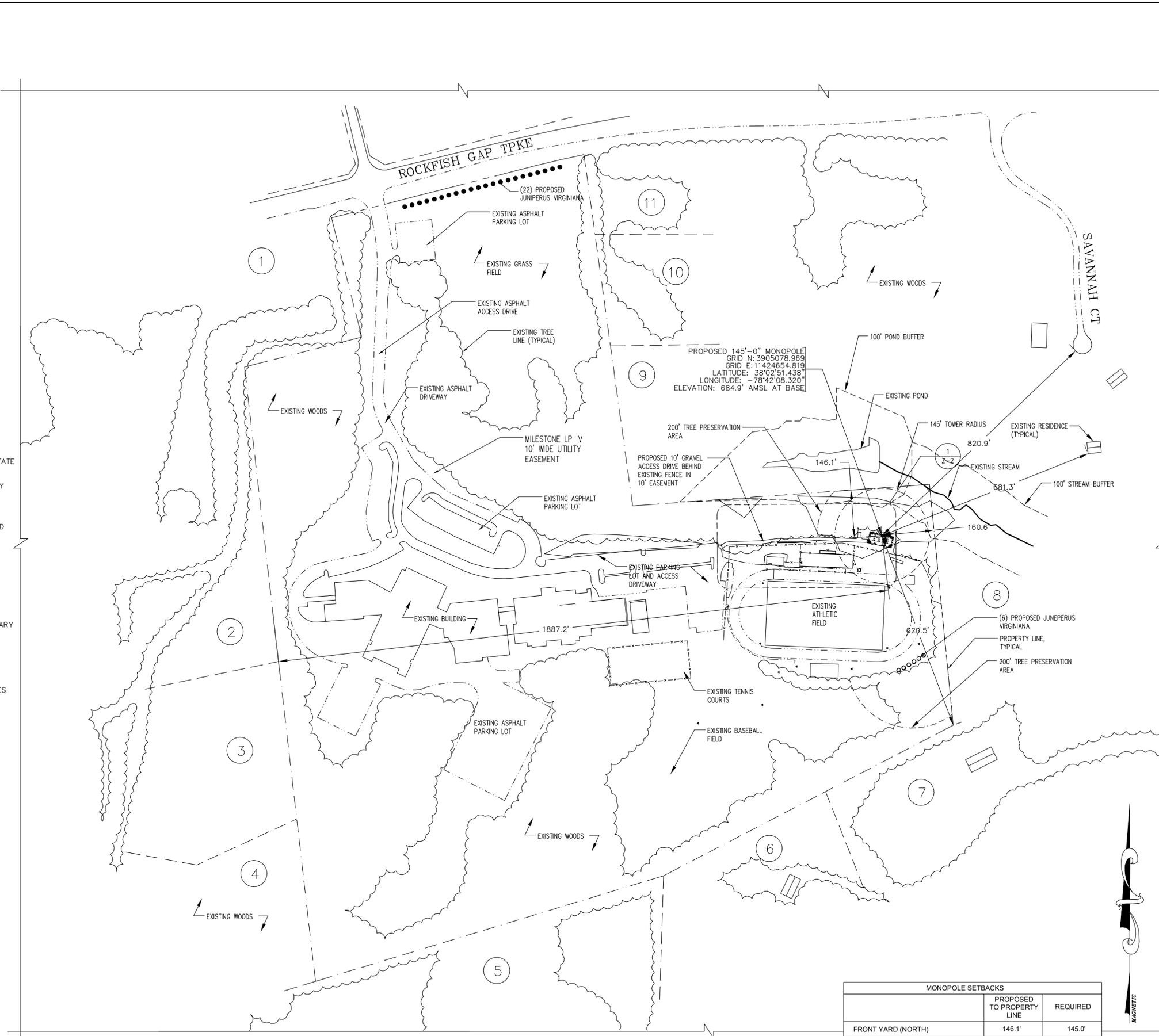
1. SITE NAME: WESTERN ALBEMARLE HIGH SCHOOL
2. THIS IS NOT A BOUNDARY SURVEY AND IS NOT TO BE USED FOR THE TRANSFER OF PROPERTY.
3. THE SUBJECT PARCEL INFORMATION:
OWNER: COUNTY OF ALBEMARLE SCHOOL BOARD
PREMISES ADDRESS: 5941 ROCKFISH GAP TPKE, CROZET, VA 22932
MAILING ADDRESS: 401 MCINTIRE ROAD, CHARLOTTESVILLE VA, 22902
JURISDICTION: ALBEMARLE COUNTY
ACCOUNT NUMBER: 05600-00-00-017C0
ZONING: RURAL AREA
4. THE DATUM'S ARE NAD 83 AND NAVD 88, AND THE BEARING BASE IS STATE GRID.
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 FLOOD ZONE OF THE PROPOSED MONOPOLE IS AS FOLLOWS: FLOOD ZONE X, AREA DETERMINED TO BE OUTSIDE 500-YEAR FLOOD PLAIN. SOURCE, FEMA FLOOD MAP FOR ALBEMARLE COUNTY, VA, COMMUNITY PANEL NUMBER 51003C0237D, EFFECTIVE FEBRUARY 4, 2005.
8. A TITLE REPORT FOR THIS PROPERTY WAS FURNISHED BY CAMDEN TITLE COMPANY DATED JUNE 8, 2017.
9. THE DATA COLLECTED AND SHOWN ON THIS DRAWING ARE FOR THE PURPOSES OF CONSTRUCTION OF A CELLULAR MONOPOLE, ANY NECESSARY ANCILLARY EQUIPMENT AND ALL APPROPRIATE EASEMENTS.
10. NO UNRECORDED EASEMENTS ARE SHOWN ON THIS SURVEY AND IT IS POSSIBLE THAT SUCH EASEMENTS IMPACT THE SITE.
11. THIS PROPERTY IS SUBJECT TO ALL MATTERS OF PUBLIC RECORD.
12. THE LOCATION OF THE PROPOSED MONOPOLE IS AS FOLLOWS: THE VALUES LISTED BELOW ARE WITHIN ±50' HORIZONTAL AND ±20' VERTICAL.
LATITUDE: N 38° 02' 51.438"
LONGITUDE: W 78° 42' 08.320"
ELEV AT BASE: 684.9' AMSL
- 13.) FIELD SURVEY BY ENTREX COMMUNICATION SERVICES, INC. BY GPS ON JUNE 15, 2017.
- 14.) NO OUTDOOR LIGHTING IS PROPOSED FOR THIS SITE.

LEGEND

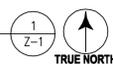
- FOUND PROPERTY CORNER
- △ BENCH MARKS
- UTILITY POLE
- SIGN
- ☆ LIGHT POLE
- Ⓟ TELEPHONE PEDESTAL

LINE TYPES

- BOUNDARY LINE - PARENT PARCEL
- - - RIGHT OF WAY BOUNDARY
- EDGE OF ASPHALT
- - - EDGE OF CONCRETE
- - - FENCE LINE - CHAIN
- - - 1' CONTOUR LINE
- - - 5' CONTOUR LINE
- ~ ~ ~ TREE OR VEGETATION LINE



SITE PLAN
SCALE: 1" = 150'

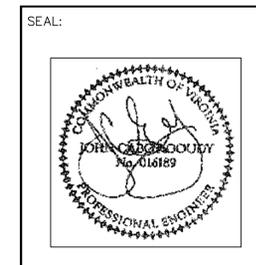


MONOPOLE SETBACKS		
	PROPOSED TO PROPERTY LINE	REQUIRED
FRONT YARD (NORTH)	146.1'	145.0'
REAR YARD (SOUTH)	620.5'	145.0'
SIDE YARD (EAST)	160.6'	145.0'
SIDE YARD (WEST)	1,887.2'	145.0'
CLOSEST OFF SITE RESIDENCE	681.3'	N/A
CLOSEST OFF SITE ROAD	820.9'	N/A



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BETHESDA, MD 20817
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SUBMITTALS		
DATE	DESCRIPTION	REV.
04-30-18	ZONING SUBMITTAL	
06-06-18	ZONING SUBMITTAL	



PROJECT NO:	1050.215
DESIGNER:	R.S.
ENGINEER:	M.M.

SCALE:
AS NOTED ON DRAWINGS

**WESTERN ALBEMARLE
HIGH SCHOOL
5941 ROCKFISH GAP TPKE
CROZET, VA 22932**

TITLE:

SITE PLAN

SHEET NUMBER:
Z-1



LEGEND

- Points of Interest
- AIRPORT
 - COLLEGE/UNIVERSITY
 - COMMUNITY
 - FIRE/RESCUE STATION
 - GOVERNMENT
 - HOSPITAL
 - LIBRARY
 - POLICE STATION
 - POST OFFICE
 - RECREATION/TOURISM
 - SCHOOL

- Overlays
- Water Protection Ordinance
- Parcel Info
- Parcels
- Elevation
- Y2013 Elevation Contours
 - Y2013 Elevation Contours
 - Y2013 Elevation Contours
- Zoning Info
- Flood Hazard Overlay (10)
 - Steep Slopes Overlay
 - Critical Slopes
 - Steep Slopes - Managed
 - Steep Slopes - Preserved

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SUBMITTALS		
DATE	DESCRIPTION	REV.
04-30-18	ZONING SUBMITTAL	
06-06-18	ZONING SUBMITTAL	

SEAL:

PROJECT NO: 1050.215
 C.S.
 DESIGNER: M.M.
 ENGINEER: M.M.

SCALE:
 AS NOTED ON DRAWINGS

**WESTERN ALBEMARLE
 HIGH SCHOOL
 5941 ROCKFISH GAP TPKE
 CROZET, VA 22932**

TITLE:
**TOPOGRAPHIC
 MAP PLAN**

SHEET NUMBER:
Z-1A

TOPOGRAPHIC MAP
 SCALE: 1" = 150'

GRAPHIC SCALE
 (IN FEET)
 1 inch = 150 ft.

TRUE NORTH

VA GRID - NAD83



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DATE	DESCRIPTION	REV.
04-30-18	ZONING SUBMITTAL	
06-06-18	ZONING SUBMITTAL	

SEAL:



PROJECT NO:	1050.215
DESIGNER:	M.A.
ENGINEER:	M.M.

SCALE:
 AS NOTED ON DRAWINGS

**WESTERN ALBEMARLE
 HIGH SCHOOL
 5941 ROCKFISH GAP TPKE
 CROZET, VA 22932**

TITLE:

ADJOINERS

SHEET NUMBER:
Z-1B

MAIN PARCEL
 GPIN 05600-00-00-017C0
 N/F
 COUNTY OF ALBEMARLE SCHOOL BOARD
 PARCEL ADDRESS: 5941 ROCKFISH GAP TPKE
 CROZET, VA 22932
 MAILING ADDRESS: 401 MCINTIRE ROAD
 CHARLOTTEVILLE, VA 22902
 DEED BOOK 506 PAGE 311
 ZONING: RURAL AREA
 AREA: 75.00 AC

1.
 GPIN 05500-00-00-10600
 N/F
 HILLSBORO BAPTIST CEMETERY
 PARCEL ADDRESS: N/A
 MAILING ADDRESS: 6406 HILLSBORO LANE
 CROZET, VA 22932
 DEED BOOK 253 PAGE 018
 ZONING: RURAL AREA
 AREA: 4.37 AC

2.
 GPIN 05500-00-00-106A0
 N/F
 BRADLEY, DAVID D OR HELENE
 PARCEL ADDRESS: N/A
 MAILING ADDRESS: 2655 MERIWETHER HILLS DRIVE
 CHARLOTTEVILLE, VA 22901
 DEED BOOK 1014 PAGE 179
 ZONING: RURAL AREA
 AREA: 5.93 AC

3.
 GPIN 05500-00-00-106A1
 N/F
 SCHORSCH, SUSANNE C/O SUSANNE JUSINO
 PARCEL ADDRESS: N/A
 MAILING ADDRESS: 11418 WHEAT RIDGE ROAD
 CHARLOTTE, NC 28277
 DEED BOOK 1049 PAGE 716
 ZONING: RURAL AREA
 AREA: 5.04 AC

4.
 GPIN 05500-00-00-106A2
 N/F
 ASAI, THOMAS ROGER
 PARCEL ADDRESS: N/A
 MAILING ADDRESS: 9445 MIRANDY DRIVE
 SACRAMENTO, CA 95826
 DEED BOOK 3204 PAGE 527
 ZONING: RURAL AREA
 AREA: 9.09 AC

5.
 GPIN 07100-00-00-04200
 N/F
 YANCEY MILLS HOLDINGS LLC
 PARCEL ADDRESS: N/A
 MAILING ADDRESS: 3121 RIVANNA RIDGE
 TROY, VA 22974
 DEED BOOK 3640 PAGE 673
 ZONING: RURAL AREA
 AREA: 84.86 AC

6.
 GPIN 05600-00-00-019G0
 N/F
 MASSELLI, JOHN W OR GRETCHEN N
 PARCEL ADDRESS: 5880 EMERALD LANE
 CHARLOTTEVILLE, VA 22901
 MAILING ADDRESS: SAME
 DEED BOOK 968 PAGE 352
 ZONING: RURAL AREA
 AREA: 6.00 AC

7.
 GPIN 05600-00-00-019F0
 N/F
 BUTLER, ERNEST E UJR & LINDA C DANIEL
 PARCEL ADDRESS: 5860 EMERALD LANE
 CHARLOTTEVILLE, VA 22903
 MAILING ADDRESS: SAME
 DEED BOOK 902 PAGE 272
 ZONING: RURAL AREA
 AREA: 5.00 AC

8.
 GPIN 05600-00-00-01700
 N/F
 HILLES, WILLIAM SCOTT & ELIZABETH LEVERAGE HILLES
 PARCEL ADDRESS: 100 MILLER SCHOOL ROAD
 CHARLOTTEVILLE, VA 22903
 MAILING ADDRESS: POB 41
 CROZET, VA 22932
 IDEED BOOK 3934 PAGE 385
 ZONING: RURAL AREA
 AREA: 21.00 AC

9.
 GPIN 05600-00-00-01700
 N/F
 HILLES, WILLIAM SCOTT & ELIZABETH LEVERAGE HILLES
 PARCEL ADDRESS: 100 MILLER SCHOOL ROAD
 CHARLOTTEVILLE, VA 22911
 MAILING ADDRESS: POB 41
 CROZET, VA 22932
 IDEED BOOK 3934 PAGE 385
 ZONING: RURAL AREA
 AREA: 21.00 AC

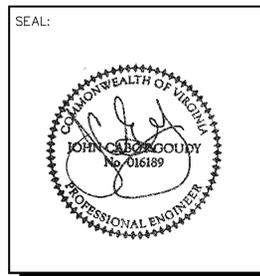
10.
 GPIN 05600-00-00-017E1
 N/F
 NGUYEN, YOUNG OR NGUYET
 PARCEL ADDRESS: 5885 ROCKFISH GAP TPKE
 CROZET, VA 22932
 MAILING ADDRESS: SAME
 IDEED BOOK 3074 PAGE 452
 ZONING: RURAL AREA
 AREA: 3.00 AC

11.
 GPIN 05600-00-00-017E0
 N/F
 BALL, MICHAEL A
 PARCEL ADDRESS: 5883 ROCKFISH GAP TPKE
 CROZET, VA 22932
 MAILING ADDRESS: SAME
 IDEED BOOK 2897 PAGE 351
 ZONING: RURAL AREA
 AREA: 3.00 AC



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06-06-18	ZONING SUBMITTAL	



PROJECT NO: 1050.215
 DESIGNER: R.S
 ENGINEER: M.M.

SCALE:
 AS NOTED ON DRAWINGS

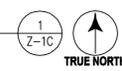
**WESTERN ALBEMARLE
 HIGH SCHOOL
 5941 ROCKFISH GAP TPKE
 CROZET, VA 22932**

TITLE:

**CONTOUR
 PLAN**

SHEET NUMBER:
Z-1C

CONTOUR PLAN
 SCALE: 1" = 200'



AREA TABULATION

SITE AREA: 75.0 AC
 DISTURBED AREA: 12,298 SF
 ADDED IMPERVIOUS AREA: 7,464 SF
 GRAVEL VOLUME: 138 CY

LINE TYPES

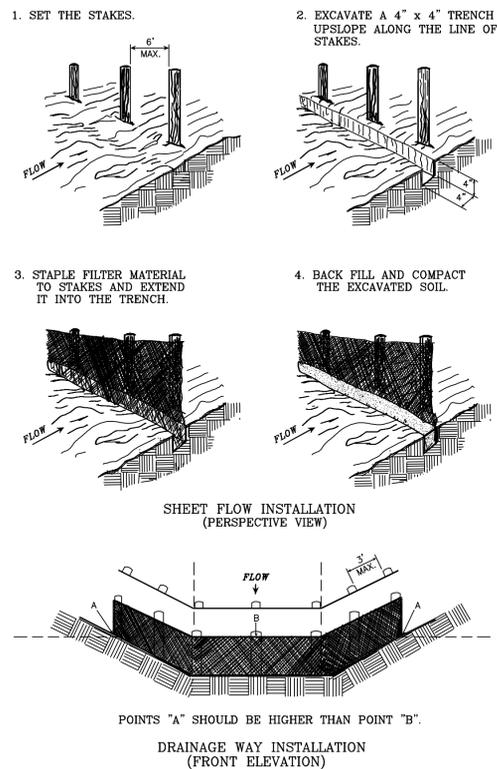
- FENCE LINE - CHAIN
- 1' CONTOUR LINE
- 5' CONTOUR LINE
- LIMITS OF DISTURBANCE
- LIMITS OF DISTURBANCE/ SILT FENCE
- TREE PROTECTION FENCE
- TREE OR VEGETATION LINE

(SCE) STABILIZED CONSTRUCTION ENTRANCE

(Hatched) EXISTING CRITICAL SLOPE

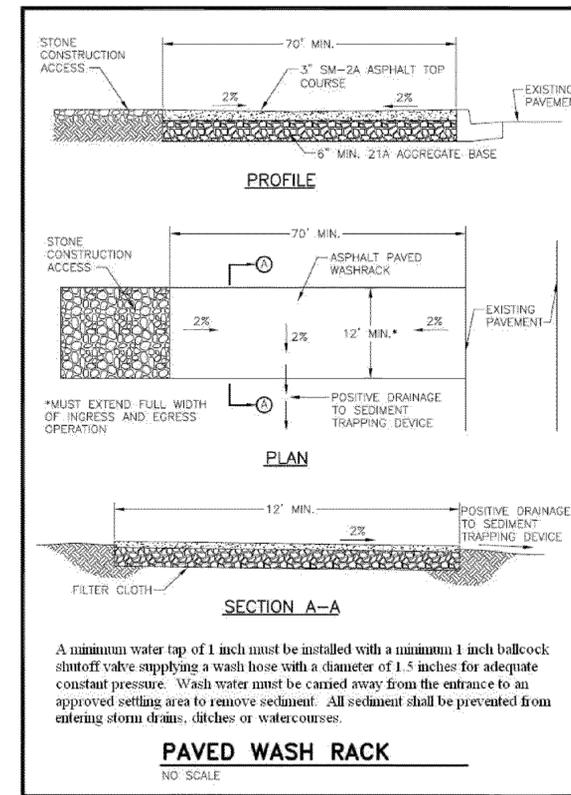
TOTAL CRITICAL SLOPES 8,394 SF.
 CRITICAL SLOPES TO BE IMPACTED 1,837 SF.
 BY THIS PROJECT

**CONSTRUCTION OF A SILT FENCE
 (WITHOUT WIRE SUPPORT)**

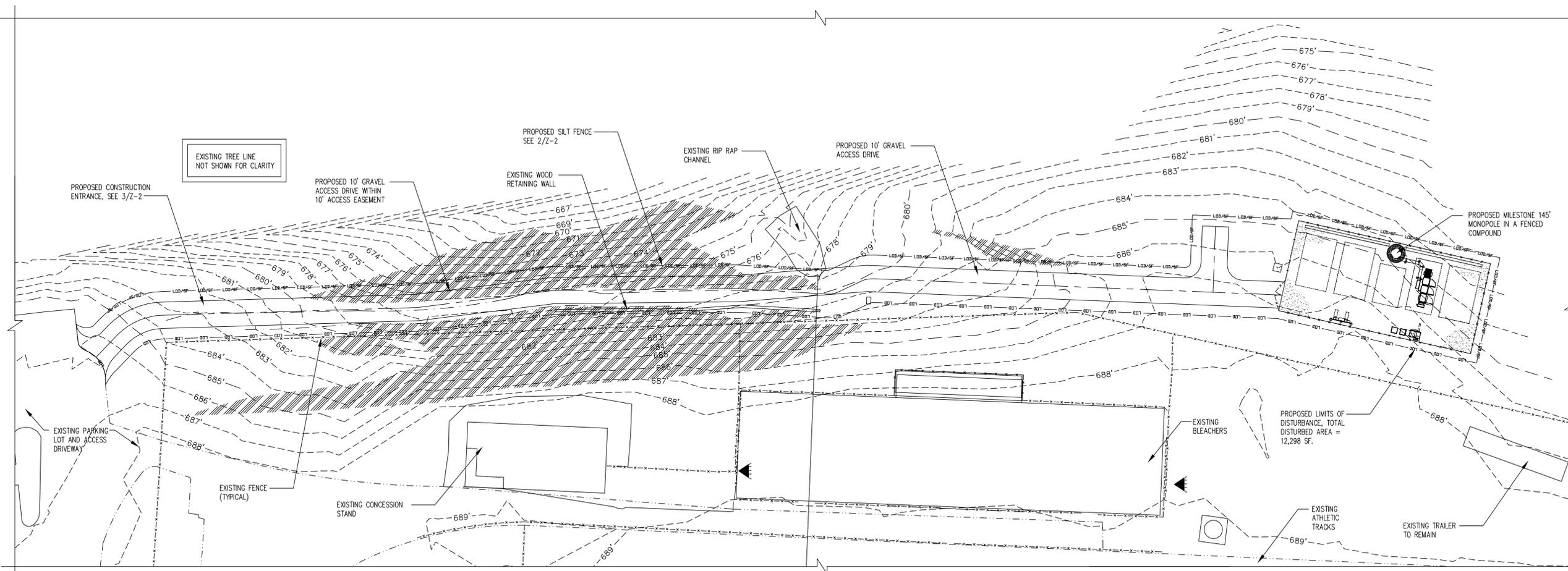


- NOTES:**
- SILT FENCES SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY.
 - CLOSE ATTENTION SHALL BE PAID TO THE REPAIR OF DAMAGED SILT FENCE RESULTING FROM END RUNS AND UNDERCUTTING.
 - SHOULD THE FABRIC ON A SILT FENCE DECOMPOSE OR BECOME INEFFECTIVE PRIOR TO THE END OF THE EXPECTED USABLE LIFE AND THE BARRIER STILL BE NECESSARY, THE FABRIC SHALL BE REPLACED PROMPTLY.
 - SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH STORM EVENT. THEY MUST BE REMOVED WHEN DEPOSITS REACH APPROXIMATELY ONE-HALF THE HEIGHT OF THE BARRIER.
 - ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE SILT FENCE IS NO LONGER REQUIRED SHALL BE DRESSED TO CONFORM WITH THE EXISTING GRADE, PREPARED AND SEED.

SILT FENCE
 SCALE: N.T.S. (2) Z-2



A WATER TRUCK SHALL BE PROVIDED DURING CONSTRUCTION IF NO HYDRANT IS LOCATED NEARBY.
CONSTRUCTION ENTRANCE (3) Z-2
 SCALE: N.T.S.



EROSION AND SEDIMENT CONTROL PLAN
 SCALE: 1" = 20' (1) Z-2
 TRUE NORTH

entrex
 communication services, inc.

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SUBMITTALS

DATE	DESCRIPTION	REV.
04-30-18	ZONING SUBMITTAL	
06-06-18	ZONING SUBMITTAL	

SEAL:

JOHN C. BROODY
 No. 016189
 PROFESSIONAL ENGINEER

Milestone
 COMMUNICATIONS

PROJECT NO: 1050.215
 DESIGNER: C.S.
 ENGINEER: M.M.

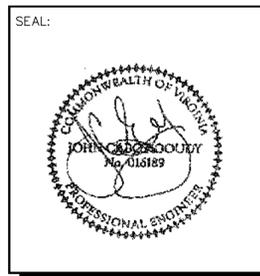
SCALE:
 AS NOTED ON DRAWINGS

**WESTERN ALBEMARLE
 HIGH SCHOOL**
 5941 ROCKFISH GAP TPKE
 CROZET, VA 22932

TITLE:
**EROSION AND
 SEDIMENT CONTROL
 PLAN AND DETAILS**

SHEET NUMBER:
Z-2

SUBMITTALS		
DATE	DESCRIPTION	REV.
04-30-18	ZONING SUBMITTAL	
06-06-18	ZONING SUBMITTAL	



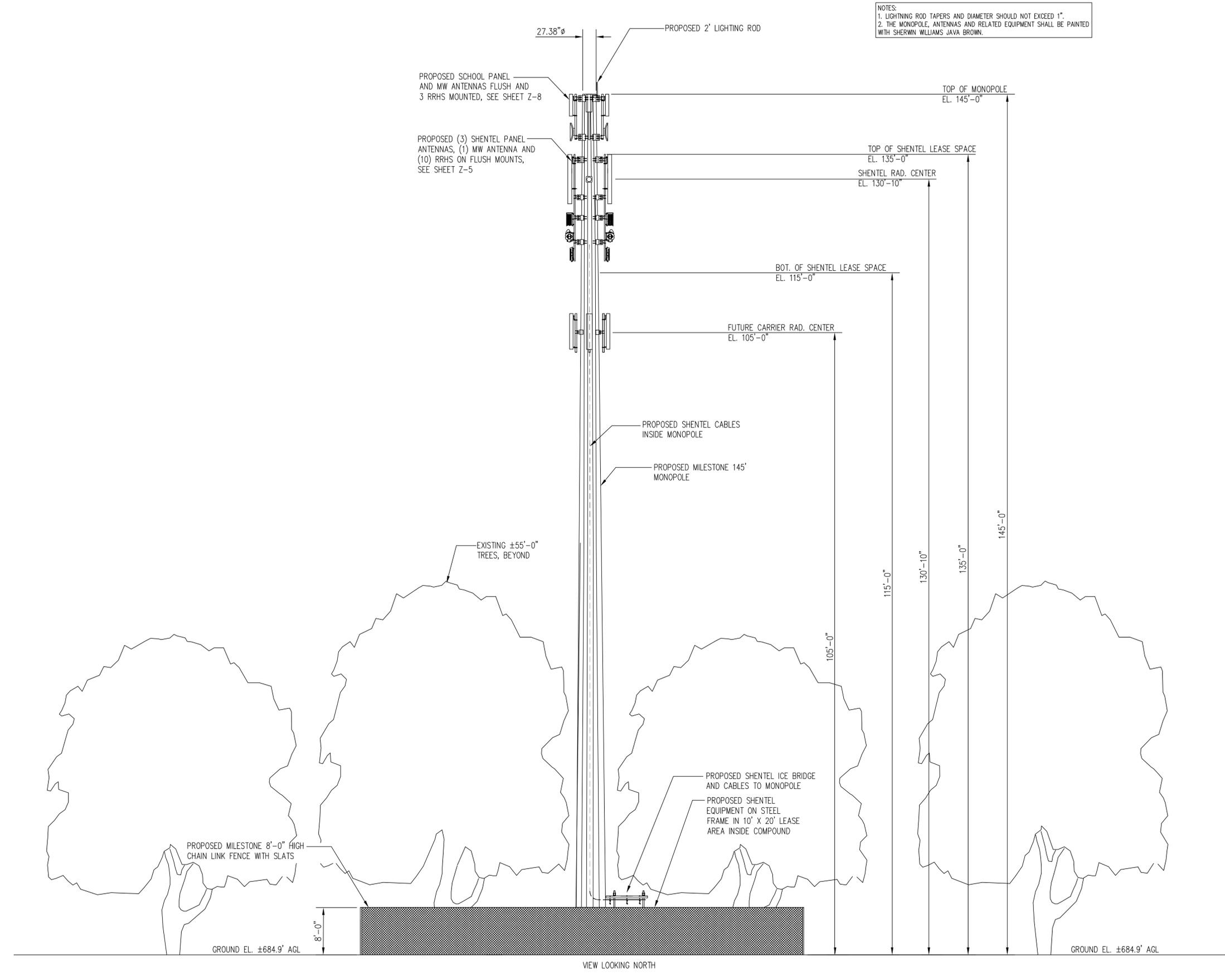
PROJECT NO:	1050.215
DESIGNER:	C.S.
ENGINEER:	M.M.

SCALE:
 AS NOTED ON DRAWINGS

**WESTERN ALBEMARLE
 HIGH SCHOOL
 5941 ROCKFISH GAP TPKE
 CROZET, VA 22932**

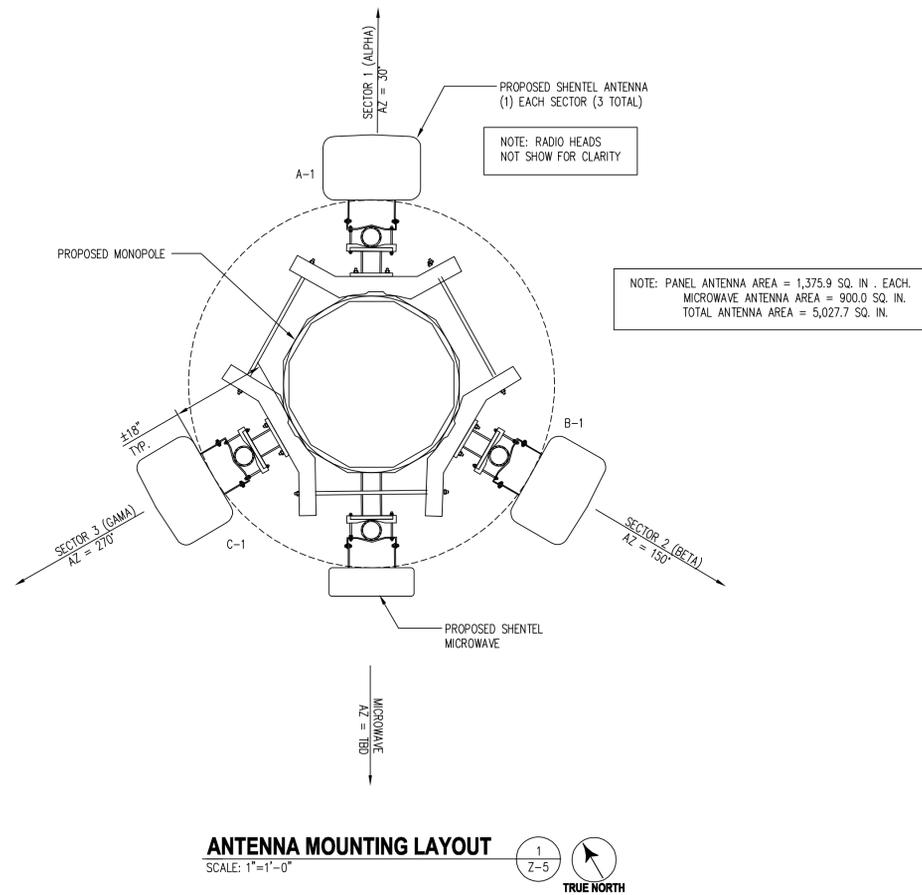
TITLE:
**MONOPOLE
 ELEVATION**

SHEET NUMBER:
Z-4

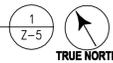


NOTES:
 1. LIGHTNING ROD TAPERS AND DIAMETER SHOULD NOT EXCEED 1".
 2. THE MONOPOLE, ANTENNAS AND RELATED EQUIPMENT SHALL BE PAINTED WITH SHERWIN WILLIAMS JAVA BROWN.

MONOPOLE ELEVATION
 SCALE: 1/8"=1'-0" 1
Z-4



ANTENNA MOUNTING LAYOUT
SCALE: 1/4"=1'-0"



ANTENNA AND CABLE SCHEDULE														
LOCATION	AZIMUTH	RAD CENTER	STATUS	TECHNOLOGY	ANTENNA MODEL #	MECHANICAL DOWN-TILT	ELECTRICAL DOWN-TILT	# OF RRH	COMBINER MODEL #	COAXIAL CABLE SIZE	CABLE LENGTH	JUMPER LENGTH		
ALPHA	A-1	30°	130'-10"	PROPOSED	-	RV4PX310R-V2 (99.7" H x 13.8" W x 8.2" D)	-	-	1 RRH 4X45 1 RRH 2X50 1 RRH 4X30 1 RRH 8X20	N/A	3 AMPHENOL 6 AWG HYBRID AFOP-NTHYB-R1	±150'	10'-0" (LCF12-50J)	
	BETA	B-1	150°	130'-10"	PROPOSED	-	RV4PX310R-V2 (99.7" H x 13.8" W x 8.2" D)	-	-	1 RRH 4X45 1 RRH 2X50 1 RRH 4X30	N/A	SHARED	-	10'-0" (LCF12-50J)
	GAMMA	C-1	270°	130'-10"	PROPOSED	-	RV4PX310R-V2 (99.7" H x 13.8" W x 8.2" D)	-	-	1 RRH 4X45 1 RRH 2X50 1 RRH 4X30	N/A	SHARED	-	10'-0" (LCF12-50J)

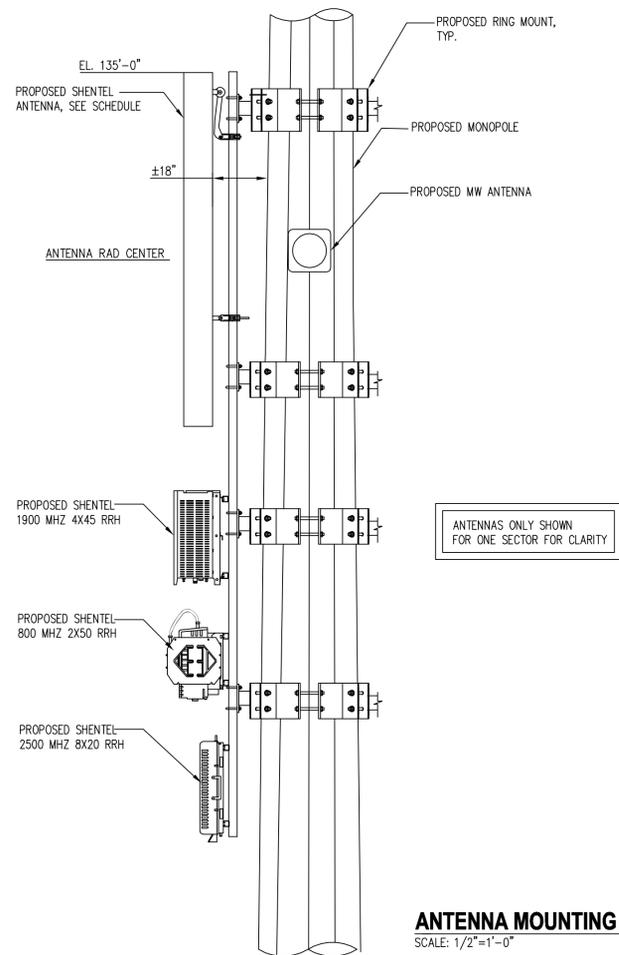
CABLE MINIMUM BEND RADIUS	
1/2" JUMPER	HYBRIFLEX
5"	20"

MICROWAVE ANTENNA AND COAXIAL CABLE SCHEDULE						
ANTENNA MARK	ANTENNA	AZIMUTH	ANTENNA Ht	CABLE LENGTH	SYSTEM TYPE	COAXIAL CABLE
MW1	RADWIN 2000 D+ (12"W x 12" H x 4" D)	TBD	130'-10"	150'	BACKHAUL	(1) NEXANS SF/UTPE CAT 5E

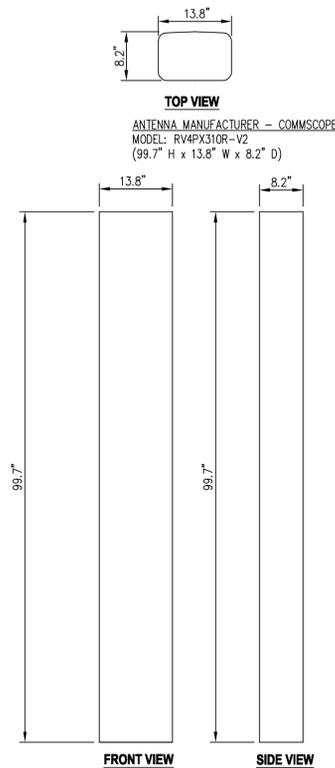
COLOR CODE	
W	WHITE
Br	BROWN
G	GREEN
R	RED
Bl	BLUE
P	PURPLE

ANTENNA AND RF CABLE NOTES

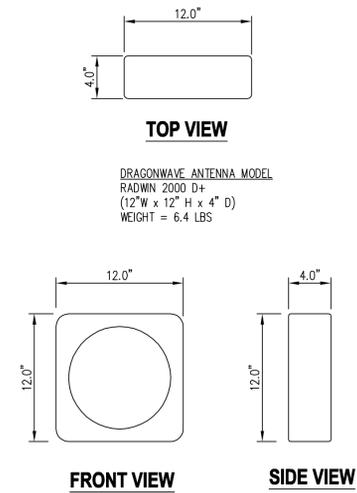
- ANTENNAS SHALL BE FURNISHED WITH MOUNTING BRACKETS.
- PROVIDE 1/2" DIAMETER JUMPER CABLE 10'-0" MAXIMUM LENGTH FROM ANTENNA TO RRH OR FILTER.
- ANTENNA CENTERLINE HEIGHT IS IN REFERENCE TO ELEVATION 0.0'.
- CONTRACTOR SHALL INSTALL COLOR CODE RINGS ON EACH END OF HYBRID CABLES, AT BOTH SIDES OF ANY ENTRY POINT OR WALL PENETRATION AND JUMPER CABLES WITH UV RESISTANT TAPE. ALL CABLES SHALL BE MARKED AT THE TOP AND BOTTOM WITH 3" BRANDS OF COLOR TAPE OR STENCIL TAG. COLOR TAPE MAY BE OBTAINED FROM GRAYBAR ELECTRONIC. THE FIRST RING IS THE CLOSEST TO THE END OF THE CABLE. WRAP 3" COLORED TAPE A MINIMUM OF 3 TIMES AROUND THE CIRCUMFERENCE OF THE COAX, KEEPING THE TAPE IN THE SAME AREA AS MUCH AS POSSIBLE. THIS WILL ALLOW THE REMOVAL OF TAPE THAT WILL FADE OR DISCOLOR DUE TO WEATHER.
- PROVIDE PHOTOGRAPHS SHOWING COMPLETE INSTALLATION OF THE ANTENNA MOUNTS, WEATHERPROOFING AND CABLE CODING.
- THE NORTH ARROW ON THE PLANS REFERS TO TRUE NORTH. THE CONTRACTOR SHALL VERIFY THE NORTH REFERENCE PRIOR TO CONSTRUCTION AND NOTIFY THE ARCHITECT/ENGINEER OF ANY DISCREPANCY.
- THE CONTRACTOR SHALL SUPPLY ALL CONNECTION HARDWARE TO SECURE THE RF CABLES. ALL CONNECTION HARDWARE SHALL BE STAINLESS STEEL.
- THE OWNER SHALL FURNISH THE ANTENNAS, THE RF RADIO EQUIPMENT AND OTHER MATERIALS FOR THE PROJECT. THE CONTRACTOR SHALL VERIFY WITH THE OWNER THE MATERIALS TO BE FURNISHED PRIOR TO SUBMITTING A BID. THE RRHS ARE IN THE COW SHELTER.
- REFER TO 800/1900 MHz CABLE COLOR CODING DETAILS.
- CABLE LENGTH FROM THE RRH TO THE FIBER DISTRIBUTION CABINET.



ANTENNA MOUNTING SECTION
SCALE: 1/2"=1'-0"



ANTENNA DETAILS
SCALE: 3/4"=1'-0"

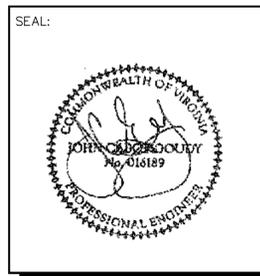


MICROWAVE ANTENNA DETAILS
SCALE: 1 1/2"=1'-0"



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SUBMITTALS		
DATE	DESCRIPTION	REV.
04-30-18	ZONING SUBMITTAL	
06-06-18	ZONING SUBMITTAL	



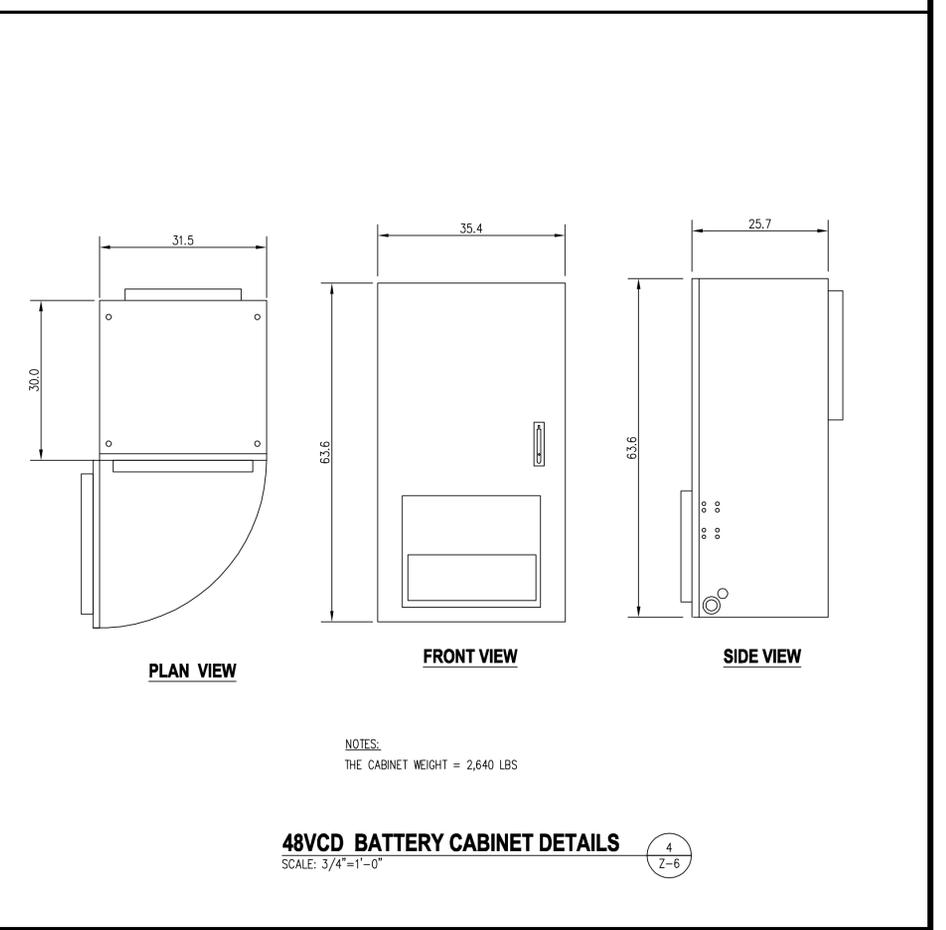
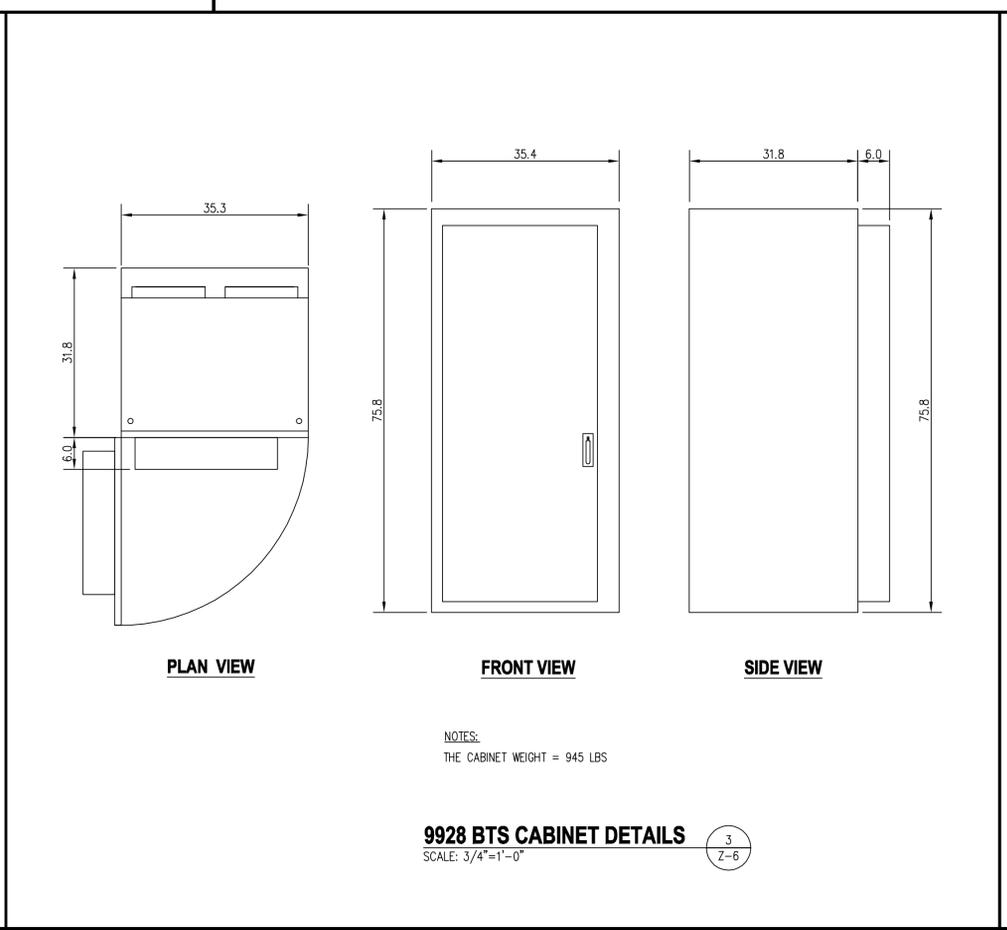
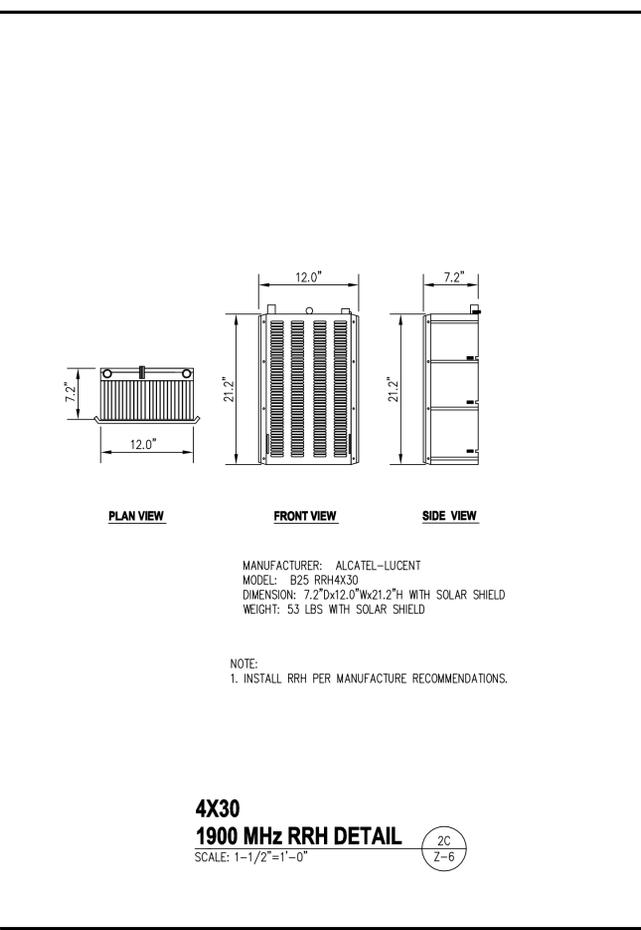
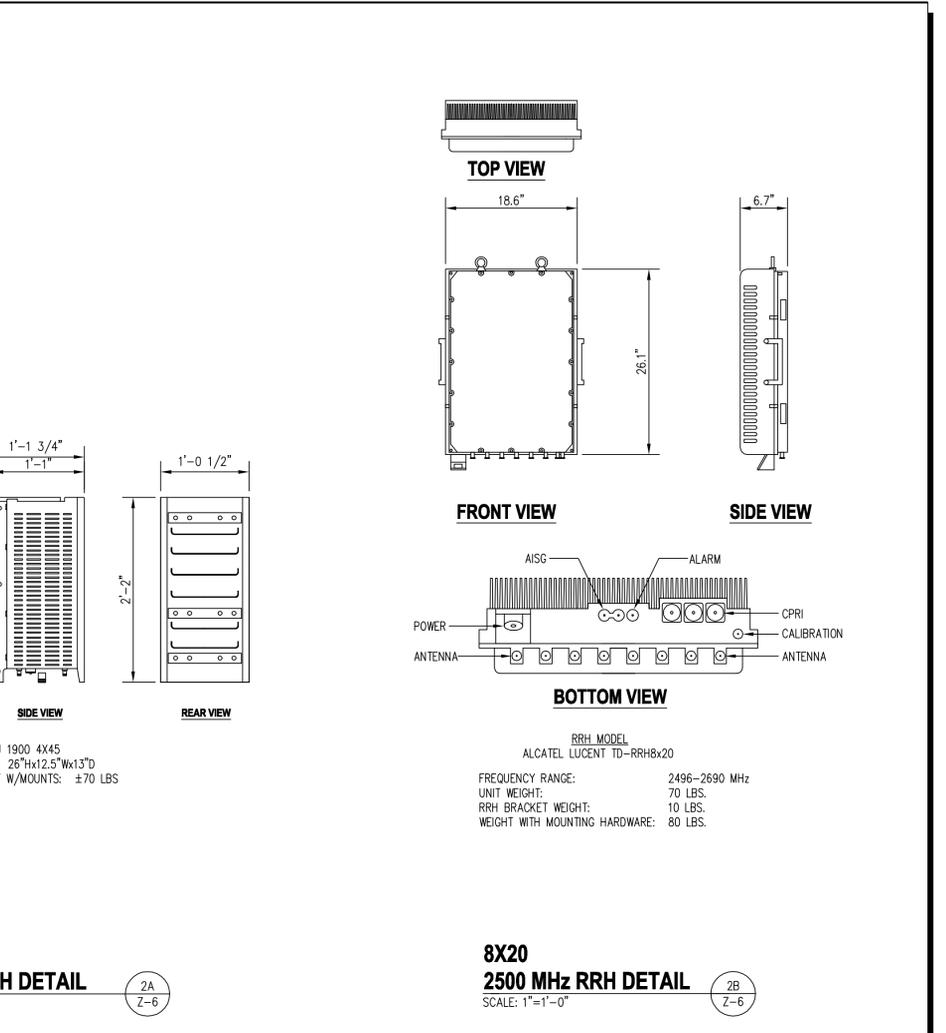
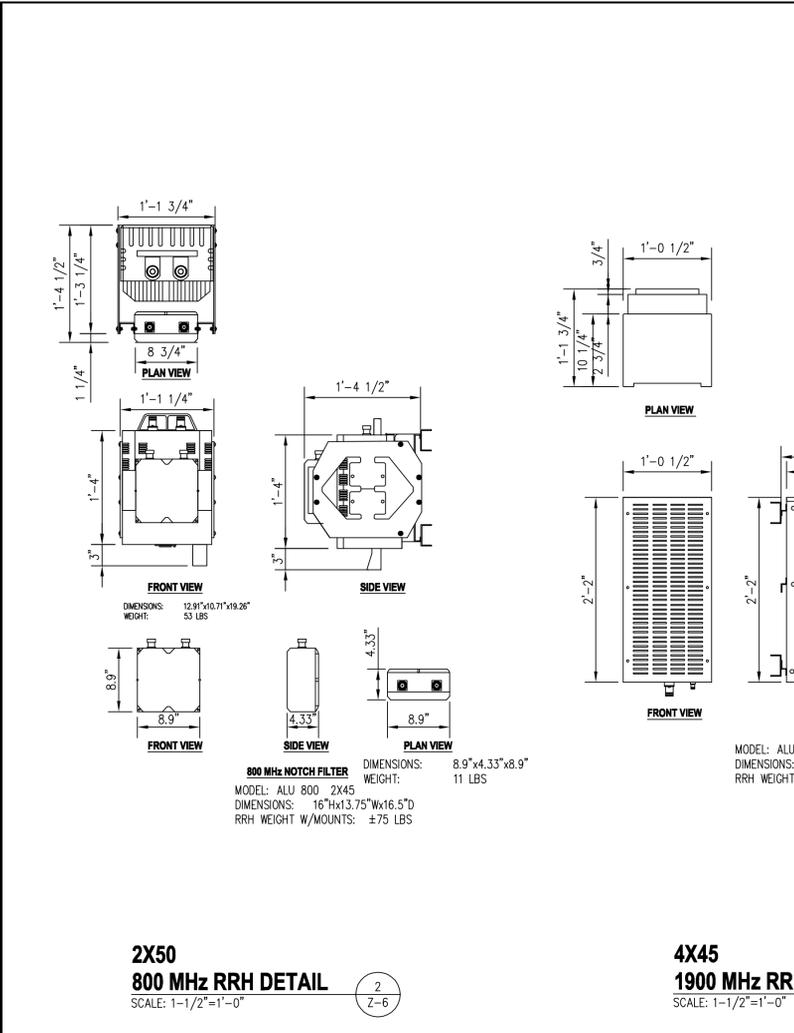
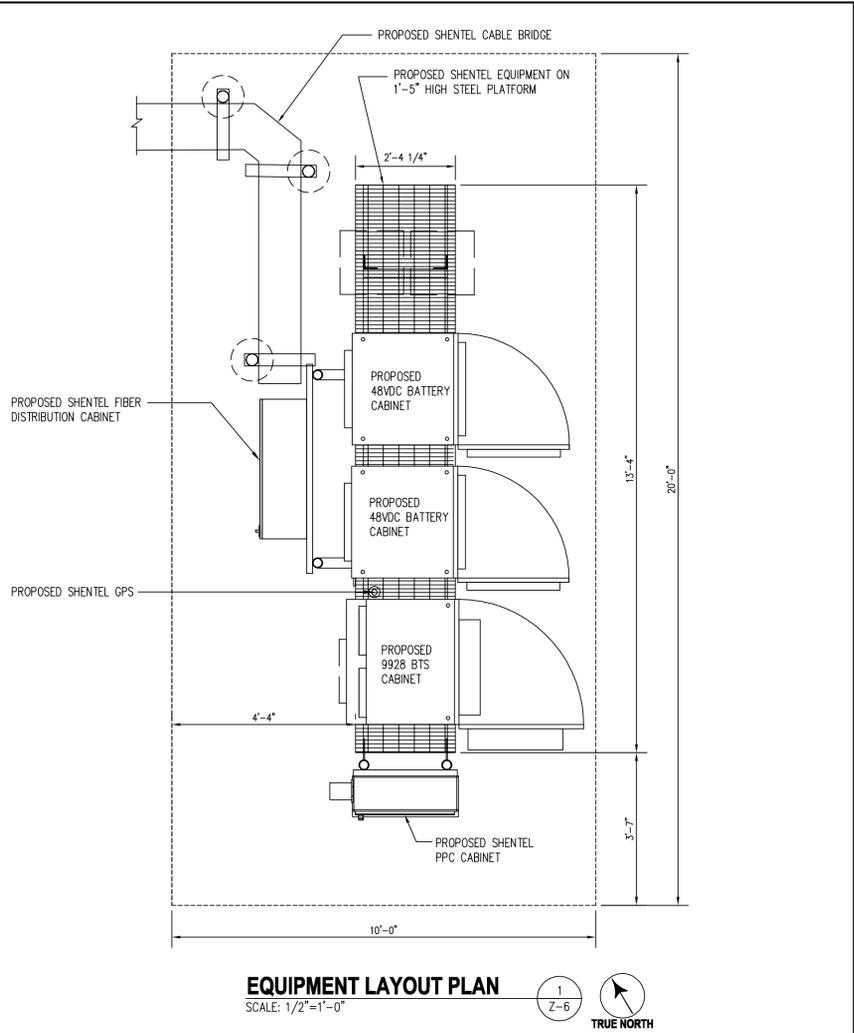
PROJECT NO:	1050.215
DESIGNER:	C. S.
ENGINEER:	M.M.

SCALE:
AS NOTED ON DRAWINGS

**WESTERN ALBEMARLE
HIGH SCHOOL**
5941 ROCKFISH GAP TPKE
CROZET, VA 22932

TITLE:
**SHENTEL
ANTENNA LAYOUT,
SECTION, DETAILS
AND SCHEDULE**

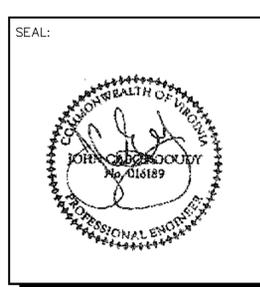
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Z-5



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SUBMITTALS

DATE	DESCRIPTION	REV.
04-30-18	ZONING SUBMITTAL	
06-06-18	ZONING SUBMITTAL	



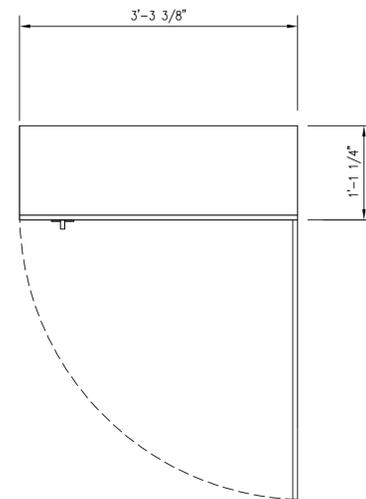
PROJECT NO: 1050.215
DESIGNER: C. S.
ENGINEER: M. M.

SCALE:
AS NOTED ON DRAWINGS

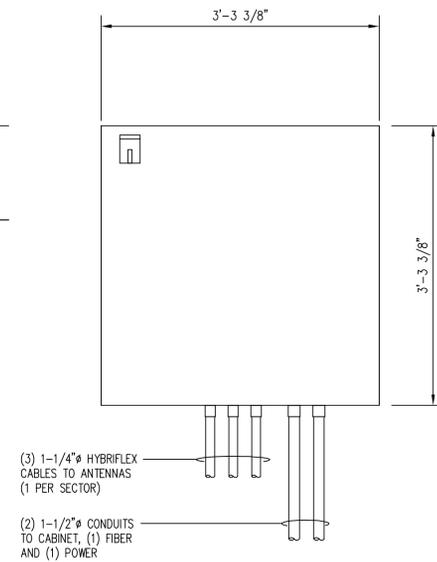
**WESTERN ALBEMARLE
HIGH SCHOOL
5941 ROCKFISH GAP TPKE
CROZET, VA 22932**

TITLE:
**SHENTEL
EQUIPMENT
LAYOUT AND
DETAILS**

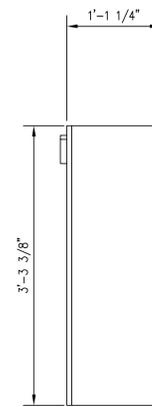
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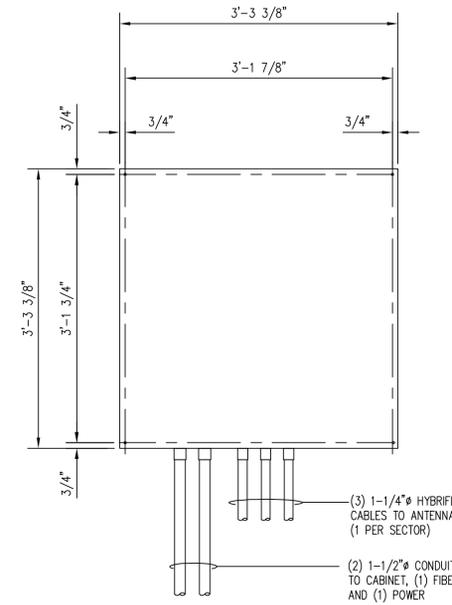
PLAN VIEW



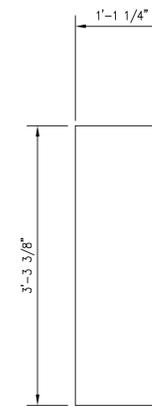
FRONT VIEW



RIGHT SIDE VIEW



REAR VIEW



LEFT SIDE VIEW

(3) 1-1/4" HYBRIFLEX CABLES TO ANTENNAS (1 PER SECTOR)
 (2) 1-1/2" CONDUITS TO CABINET, (1) FIBER AND (1) POWER

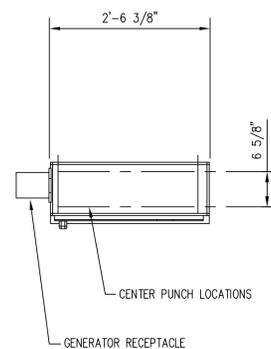
(3) 1-1/4" HYBRIFLEX CABLES TO ANTENNAS (1 PER SECTOR)
 (2) 1-1/2" CONDUITS TO CABINET, (1) FIBER AND (1) POWER

NOTE: DISTRIBUTION CABINET SHALL BE NEMA 3R RATED
 CABINET WEIGHT = 150 LBS

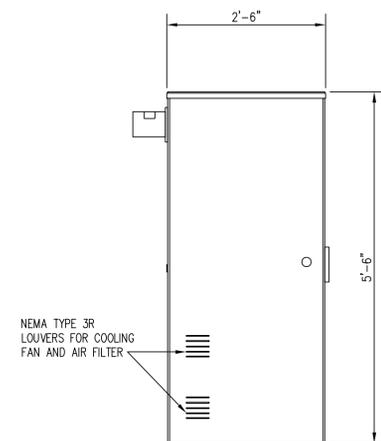
FIBER DISTRIBUTION CABINET DETAILS

SCALE: 3/4" = 1'-0"

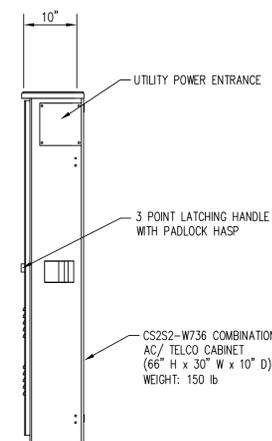
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Z-7



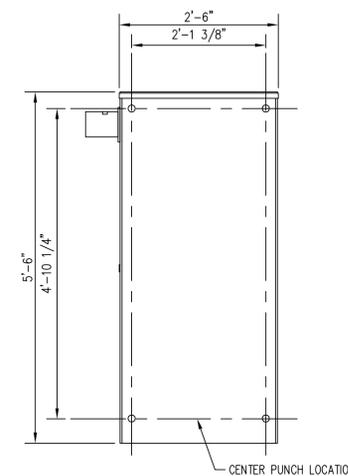
PLAN VIEW



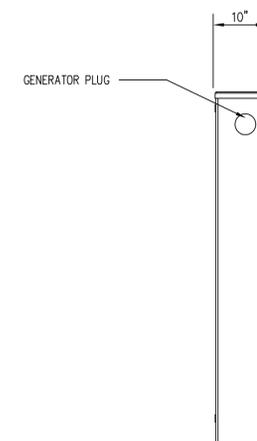
FRONT VIEW



RIGHT SIDE VIEW



REAR VIEW



LEFT SIDE VIEW

NEMA TYPE 3R LOUVERS FOR COOLING FAN AND AIR FILTER

UTILITY POWER ENTRANCE

3 POINT LATCHING HANDLE WITH PADLOCK HASP

CS2S2-W736 COMBINATION AC/ TELCO CABINET (66" H x 30" W x 10" D) WEIGHT: 150 lb

GENERATOR PLUG

CABINET WEIGHT = 150 LBS

PTC CABINET DETAILS

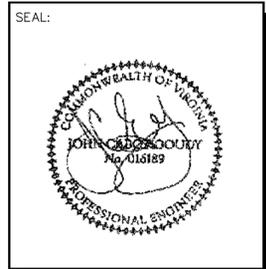
SCALE: 3/4" = 1'-0"

2
Z-7



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 FAX: (202)408-0961

SUBMITTALS		
DATE	DESCRIPTION	REV.
04-30-18	ZONING SUBMITTAL	
06-06-18	ZONING SUBMITTAL	



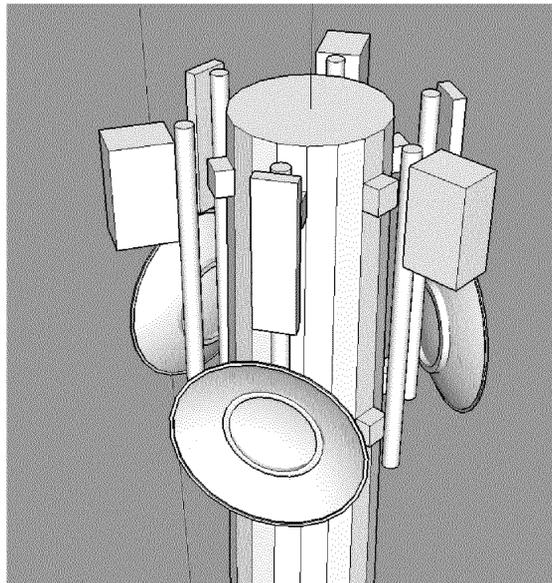
PROJECT NO: 1050.215
 DESIGNER: C.S.
 ENGINEER: M.M.

SCALE:
 AS NOTED ON DRAWINGS

**WESTERN ALBEMARLE
 HIGH SCHOOL
 5941 ROCKFISH GAP TPKE
 CROZET, VA 22932**

TITLE:
**SHENTEL
 FIBER DISTRIBUTION
 AND PTC
 CABINET DETAILS**

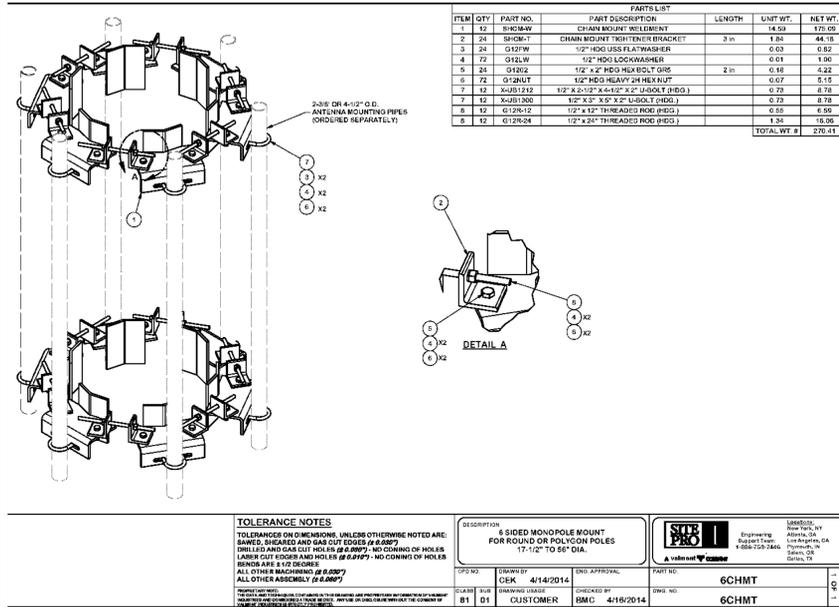
SHEET NUMBER:
Z-7



NOTE:
THE CLEAR DISTANCE BETWEEN THE FACE OF THE MONOPOLE AND THE BACK OF THE ANTENNAS IS 18" MAXIMUM.

ANTENNA MOUNTING ELEVATION
SCALE: N.T.S.

1
Z-8



SITE PRO1 ANTENNA MOUNTING DETAIL
SCALE: N.T.S.

2
Z-8

AW3008 Data Sheet

ALPHA WIRELESS

2300-2700MHz Sector Antenna
(Quad Port, 90° Beamwidth, +/-45° Polarisation, Fixed Tilt)

*The parameters in this specification follow the definitions and recommendations per NGMN P-Basta, Release 9.6

RF Specifications		2300 - 2700
Frequency Range per Input	MHz	2300 - 2700
Polarisation	NA	+/-45° Slant Linear
Gain	dB	17
Gain	Over-all Tilt	17
Azimuth Beamwidth	Degree	90
Azimuth Beam Squint	Degree <	3
Elevation Beamwidth	Degree	7
Electrical DownTilt	Degree	10° or 14° (1)
Electrical DownTilt Deviation	Degree <	1
Impedance	Ohms	50
VSWR	NA <	1.5
Return Loss	dB >	14
Isolation	dB >	25
Front to Back Ratio: Total Power +/-30°	dB >	30
Upper Sideband Suppression: Peak to 20°	dB >	18
Cross Polar Discrimination at Sector	dB >	16
Maximum Effective Power Per Port	W	150

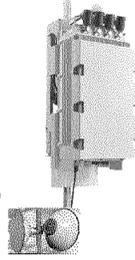
Mechanical Specifications		1050 (41.3) x 260 (11) x 85 (3.3)
Dimensions (LxWxD)	mm (in)	1050 (41.3) x 260 (11) x 85 (3.3)
Packing Size (LxWxD)	mm (in)	1125 (44.2) x 340 (13.3) x 178 (7)
Net Weight (antenna)	kg (lb)	9 (19.8)
Net Weight (mount)	kg (lb)	1.5 (3.4)
Shipping Weight	kg (lb)	10.5 (23.1)
Connector Quantity	NA	4 x N Type Female
Connector Position	NA	Bottom
Windload Calculation	km/h	F=1/2" CdA * V² * A
Windload Frontal	N	590
Windload Lateral	N	180
Survival Wind Speed	km/h	200 (125)
Radiome Material	NA	UV-Stabilised PVC
Radiome Colour	RAL	7035
Product Compliance - Environmental	NA	RoHS
Lightning Protection	NA	DC Grounded
Cold Temperature Survival	Celsius	-40
Hot Temperature Survival	Celsius	+70

ALPHA WIRELESS ANTENNA DETAIL
SCALE: N.T.S.

3
Z-8

AirHarmony 4000/4200/4400

AirHarmony 4x are Compact and versatile outdoor 4G LTE Macro/Micro Base Stations providing the outdoor layer of a Heterogeneous LTE-Advanced network deployment (HetNet). Advanced Release 12 feature sets include support for SON and advanced interference mitigation techniques which enables N+1 frequency re-use with other layers. The cooperative QoS over the Backhaul Interface ensures the Quality of Experience (QoE) from the eNodeB matches the experience of a Macro cell.



Physical Specifications:

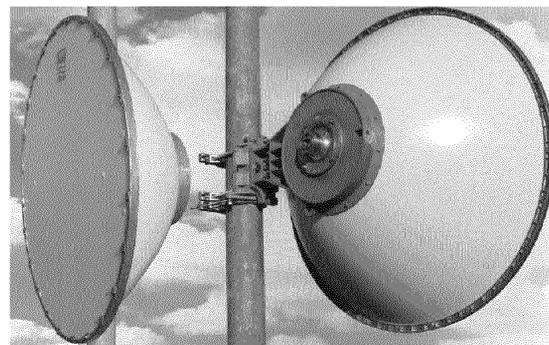
Antenna Configurations: SBA - Dynamic antenna beam, Front mount X-Polar External antenna X-Polar
Data Interface: 2x Fiber Optic (via SFP) or 4x RJ45
Unit Weight: 19 kg / 42 lb
Power Consumption: 110 Watts
Power Consumption (with Wi-Fi): 265 Watts
Operating Temperature Range: -40°C to +55°C / -40°F to +130°F
IP Rating: IP66

AirHarmony 4000/4200/4400 3GPP LTE-Advanced Access Specifications

Version:	Operational Frequency Bands:	Duplex:
AirHarmony 4x Release 12 Feature Sets OS upgradeable for 3GPP R11, R12 and beyond	Band 40 (2.3-2.4 GHz) Band 41 (2.6 GHz) Band 42 (3.5 GHz) Band 3 (1.8 GHz) Band 28 (700 MHz) Band 26 (800 MHz) FDD & TDD	Up to 2x 20 MHz with CA +45 dBm per Tx channel Up to 64-QAM
Key Features: Advanced Antenna Techniques + 2 x 2 MIMO: SM and TDD + 4 x 2 MIMO: 4R2Tx by 4x 4400 + SU-MIMO + MU-MIMO	Sysem Features: + Inter-RAT Mobility + RAN Sharing + Automatic Neighbor Relation (ANR) + eICIC, ABS and CRE + Embedded SON + LTE + Wi-Fi link aggregation (LWA)	Syncronization: GNSS (GPS) & IEEE1588 PTPv2

AIR HARMONY RADIO HEAD DETAIL
SCALE: N.T.S.

4
Z-8



TYPICAL 3' MICROWAVE DISH ANTENNA DETAIL
SCALE: N.T.S.

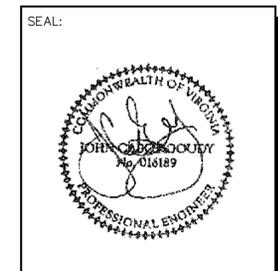
5
Z-8

entrex
communication services, inc.

6600 Rockledge Drive, Suite 550
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FAX: (202)408-0961

SUBMITTALS

DATE	DESCRIPTION	REV.
04-30-18	ZONING SUBMITTAL	
06-06-18	ZONING SUBMITTAL	



Milestone
COMMUNICATIONS

PROJECT NO:	1050.215
DESIGNER:	C. S.
ENGINEER:	M.M.

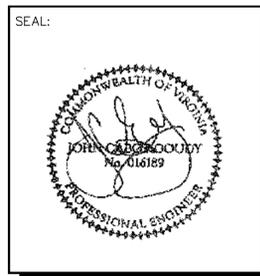
SCALE:
AS NOTED ON DRAWINGS

**WESTERN ALBEMARLE
HIGH SCHOOL**
5941 ROCKFISH GAP TPKE
CROZET, VA 22932

TITLE:
**SCHOOL ANTENNA
AND RRH
DETAILS**

SHEET NUMBER:
Z-8

SUBMITTALS		
DATE	DESCRIPTION	REV.
04-30-18	ZONING SUBMITTAL	
06-06-18	ZONING SUBMITTAL	



PROJECT NO:	1050.215
DESIGNER:	M.A.
ENGINEER:	M.M.

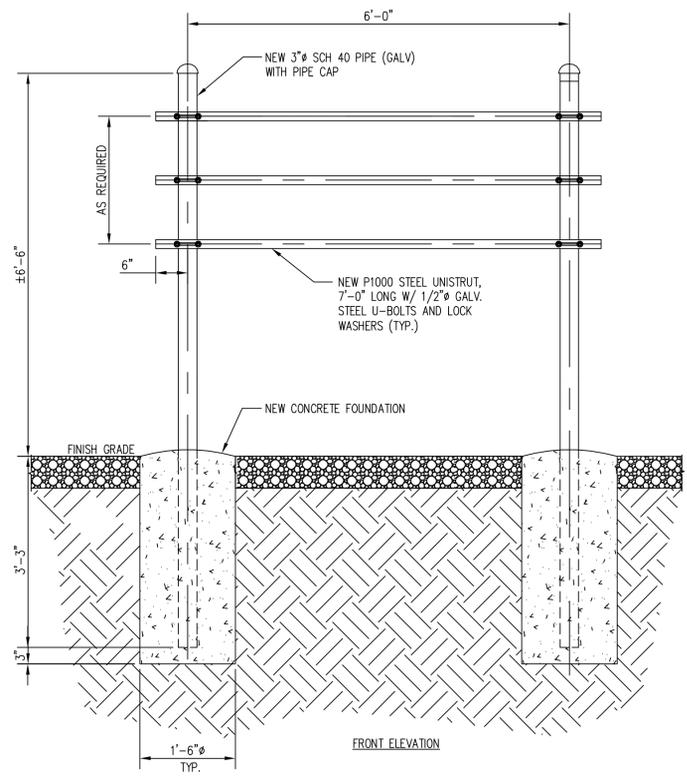
SCALE:
 AS NOTED ON DRAWINGS

**WESTERN ALBEMARLE
 HIGH SCHOOL**
 5941 ROCKFISH GAP TPKE
 CROZET, VA 22932

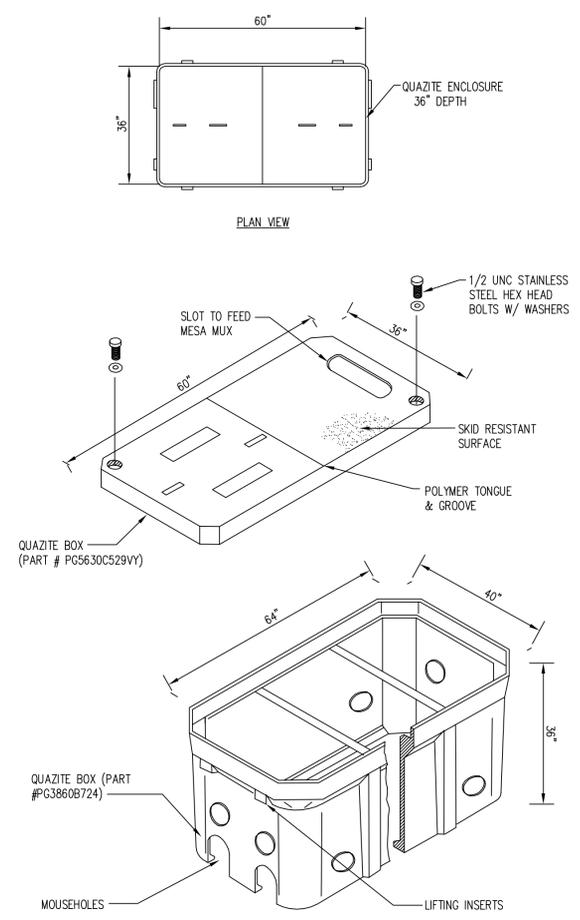
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SITE DETAILS

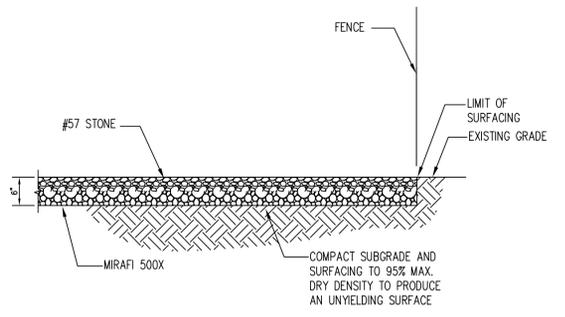
SHEET NUMBER:
Z-9



UTILITY FRAME DETAIL 1
 SCALE: 3/4"=1'-0" Z-9

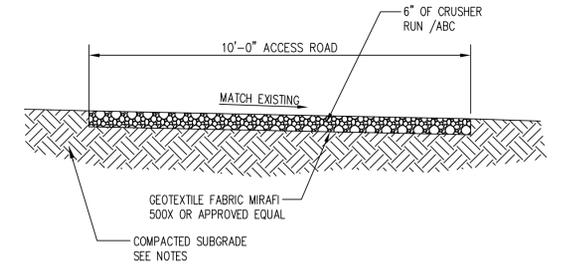


MESA QUAZITE BASE DETAIL 2
 SCALE: 1/2"=1'-0" Z-9



NOTE:
 COMPOUND AREA SHALL BE CLEARED AND GRUBBED. REMOVE UNSUITABLE LOOSE OR SOFT SOIL, ORGANIC MATERIAL OR RUBBLE TO FIRM GRADE. FILL UNDERCUT AND COMPACT UP TO 6" BELOW FINISH GRADE. PLACE A MIRAFI 500X SOIL STABILIZATION FABRIC ON SUBGRADE. FILL WITH 6" OF AASHTO 57 STONE TO FINISH GRADE.

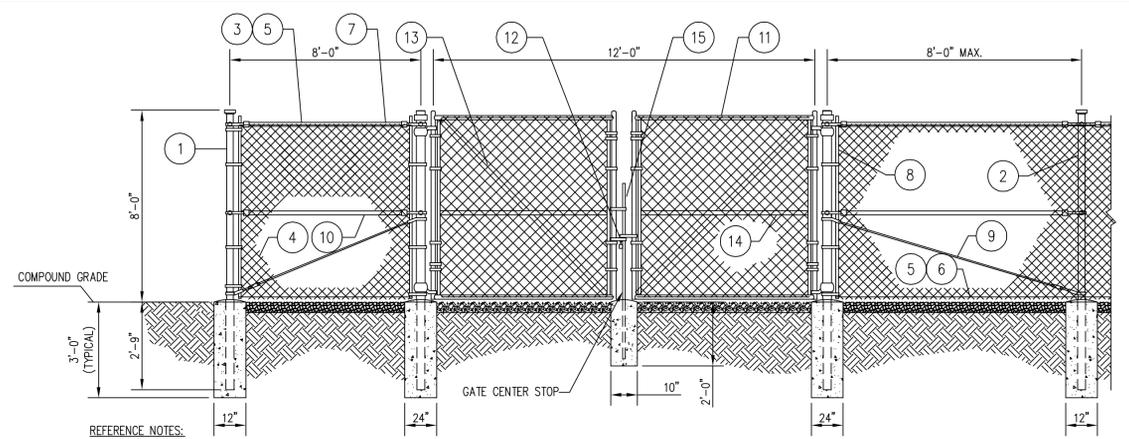
COMPOUND SURFACING DETAIL 3
 SCALE: 1"=1'-0" Z-9



ACCESS ROAD:
 FILL, UNDERCUT AND COMPACT TEMPORARY ACCESS ROAD UP TO 6" BELOW FINISH GRADE. PLACE MIRAFI, 500X STABILIZATION FABRIC ON SUBGRADE. PULL TIGHT AND STAKE IN PLACE. PLACE AND COMPACT 6" DEPTH OF CRUSHER RUN/ABC TO FINISH GRADE.

COMPACTION NOTES:
 1. SURFACE COURSE AND BASE COURSE SHALL BE COMPACTED TO 98% MAX. DRY DENSITY STANDARD PROCTOR.
 2. SUBGRADE SOIL SHALL BE COMPACTED TO 95% MAX. DRY DENSITY STANDARD PROCTOR.

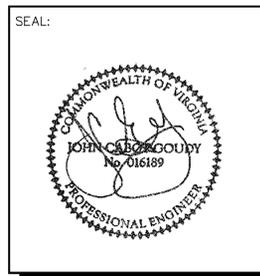
GRAVEL ACCESS ROAD DETAIL 4
 SCALE: N.T.S. Z-9



- REFERENCE NOTES:
- CORNER, END OR PULL POST: 3" NOMINAL SCHEDULE 40 PIPE. GATE POST: 4" NOMINAL SCHEDULE 40 PIPE.
 - LINE POST: 2" 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.
 - 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.
 - TENSION WIRE: 9 GA. GALVANIZED STEEL.
 - PRIVACY SLATS (WEAVE)
 - STRETCHER BAR.
 - 3/8" DIAGONAL ROD WITH GALVANIZED STEEL TURNBUCKLE OR DIAGONAL THREADED ROD.
 - FENCE CORNER POST BRACE: 1 5/8" DIA. EACH CORNER EACH WAY.
 - GATE FRAME: 1 1/2" PIPE, PER ASTM-F1083.
 - STIME MULTI-LOCKING DEVICE BY MILESTONE
 - GATE DIAGONAL GALVANIZED STEEL 1 1/2" PIPE.
 - GATE FRAME BRACE: 1 5/8" DIAMETER.
 - CENTER GATE STOP
 - NOT USED
- GENERAL NOTES:
- INSTALL FENCING PER ASTM F-567
 - INSTALL SWNG GATES PER ASTM F-900
 - FENCE PIPE AND COMPONENTS SHALL BE GALVANIZED.
 - GATE FRAMES SHALL BE WELDED. WELDING SHALL BE COATED WITH (3) COATS OF COLD GALV. (OR EQUAL).
 - POSTS SHALL HAVE END-CAPS.
 - GATES SHALL HAVE LOCKING HARDWARE.
 - PROVIDE GATE STOPS TO SECURE GATES IN OPEN POSITION.

FENCE AND GATE DETAIL 5
 SCALE: N.T.S. Z-9

SUBMITTALS		
DATE	DESCRIPTION	REV.
04-30-18	ZONING SUBMITTAL	
06-06-18	ZONING SUBMITTAL	



PROJECT NO:	1050.215
DESIGNER:	C.S.
ENGINEER:	M.M.

SCALE:
 AS NOTED ON DRAWINGS

**WESTERN ALBEMARLE
 HIGH SCHOOL**
 5941 ROCKFISH GAP TPKE
 CROZET, VA 22932

TITLE:
**TREE SURVEY
 PLAN**

SHEET NUMBER:
Z-10

EXISTING TREES

PT#	TREE SIZE/TYPE TOP ELEVATION (AMSL)	PT#	TREE SIZE/TYPE TOP ELEVATION (AMSL)	PT#	TREE SIZE/TYPE TOP ELEVATION (AMSL)	PT#	TREE SIZE/TYPE TOP ELEVATION (AMSL)
610	14" PINE 683.0'	743	2" MAPLE 681.8'	600	5" MAPLE 684.9'	717	5" MAPLE 681.4'
611	4" MAPLE 682.7'	744	2" MAPLE 681.1'	601	7" MAPLE 685.4'	718	7" MAPLE 681.2'
612	5" MAPLE 681.8'	745	5" MAPLE 681.2'	602	5" MAPLE 684.5'	719	8" PINE 683.3'
613	3" HICKORY 681.6'	746	12" DEAD PINE 681.6'	603	4" MAPLE 683.8'	720	2" MAPLE 682.8'
614	5" MAPLE 682.5'	747	4" MAPLE 682.2'	604	7" PINE 684.5'	752	4" BEACH 684.5'
619	3" MAPLE 682.1'	748	6" MAPLE 681.4'	605	17" PINE 685.2'	753	5" HICKORY 685.1'
620	4" DOUBLE MAPLE 682.5'	749	5" MAPLE 681.0'	606	5" MAPLE 684.0'	754	2" CEDAR 685.3'
716	4" MAPLE 682.4'	750	3" MAPLE 680.4'	607	3" HICKORY 682.8'	755	5" MAPLE 685.0'
721	6" MAPLE 681.0'	751	3" MAPLE 680.4'	608	3" DOUBLE POPLAR 683.5'	757	5" MAPLE 686.4'
722	5" POPLAR 680.7'	756	4" MAPLE 685.2'	609	5" POPLAR 683.3'	758	5" WHITE OAK 686.0'
723	5" POPLAR 680.7'			615	14" DEAD PINE 683.3'	759	8" PINE 686.6'
724	12" DEAD PINE 682.7'			616	10" DEAD PINE 683.8'	760	3" CEDAR 686.4'
725	3" MAPLE 681.1'			617	10" DEAD PINE 684.8'	761	7" PINE 686.5'
726	3" MAPLE 680.8'			618	3" MAPLE 683.1'	762	13" MULBERRY 686.5'
727	14" PINE 681.1'			621	4" MAPLE 684.2'	763	3" DECED. 687.2'
728	14" PINE 680.4'			622	5" MAPLE 685.1'	764	5" PINE 687.4'
729	4" MAPLE 680.6'			623	26" PINE 686.3'	765	5" PINE 687.3'
730	6" MAPLE 679.9'			624	3" CEDAR 686.3'	766	6" PINE 687.2'
731	9" POPLAR 679.9'			625	2" MAPLE 686.4'	767	3" MAPLE 686.8'
732	3" MAPLE 679.4'			626	4" WHITE OAK 686.8'	768	3" WHITE OAK 687.2'
733	26" DEAD PINE 681.4'			627	3" WHITE OAK 686.7'	769	4" POPLAR 687.8'
734	11" DEAD PINE 681.6'			628	2" CEDAR 686.6'	770	3" CEDAR 688.2'
735	6" MAPLE 682.0'			629	22" POPLAR 687.8'	771	8" PINE 688.3'
736	14" DEAD PINE 682.4'			630	6" PINE 686.5'	772	3" WHITE OAK 687.9'
737	15" DEAD PINE 683.4'			631	5" MAPLE 686.6'	773	9" WHITE OAK 688.3'
738	6" MAPLE 683.3'			632	2" CEDAR 686.3'	774	3" MAPLE 687.9'
739	7" MAPLE 682.9'			633	9" PINE 686.3'	775	2" CEDAR 687.8'
740	8" MAPLE 683.4'			634	3" DOUBLE MAPLE 686.1'	776	12" DEAD PINE 687.6'
741	3" HICKORY 682.4'			635	3" CEDAR 685.2'	777	16" MAPLE 688.6'
742	5" MAPLE 681.9'			700	15" PINE 687.4'	778	4" MAPLE 688.0'
				701	8" DOUBLE POPLAR 687.7'	779	2" MAPLE 688.3'
				702	5" CEDAR 688.0'	780	8" MAPLE 688.6'
				703	7" HICKORY 688.0'	BART 1	POPLAR 93'
				704	4" HICKORY 687.4'	BART 2	WALNUT 60.3'
				705	4" MAPLE 687.3'		
				706	5" PINE 687.7'		
				707	11" WHITE OAK 687.7'		
				708	6" PINE 687.7'		
				709	16" PINE 686.9'		
				710	12" PINE 686.0'		
				711	7" WHITE OAK 685.7'		
				712	4" MAPLE 687.0'		
				713	3" MAPLE 684.7'		
				714	14" DEAD PINE 683.9'		
				715	4" MAPLE 683.4'		

LINE TYPES

FENCE LINE - CHAIN

1" CONTOUR LINE
 - - - - -

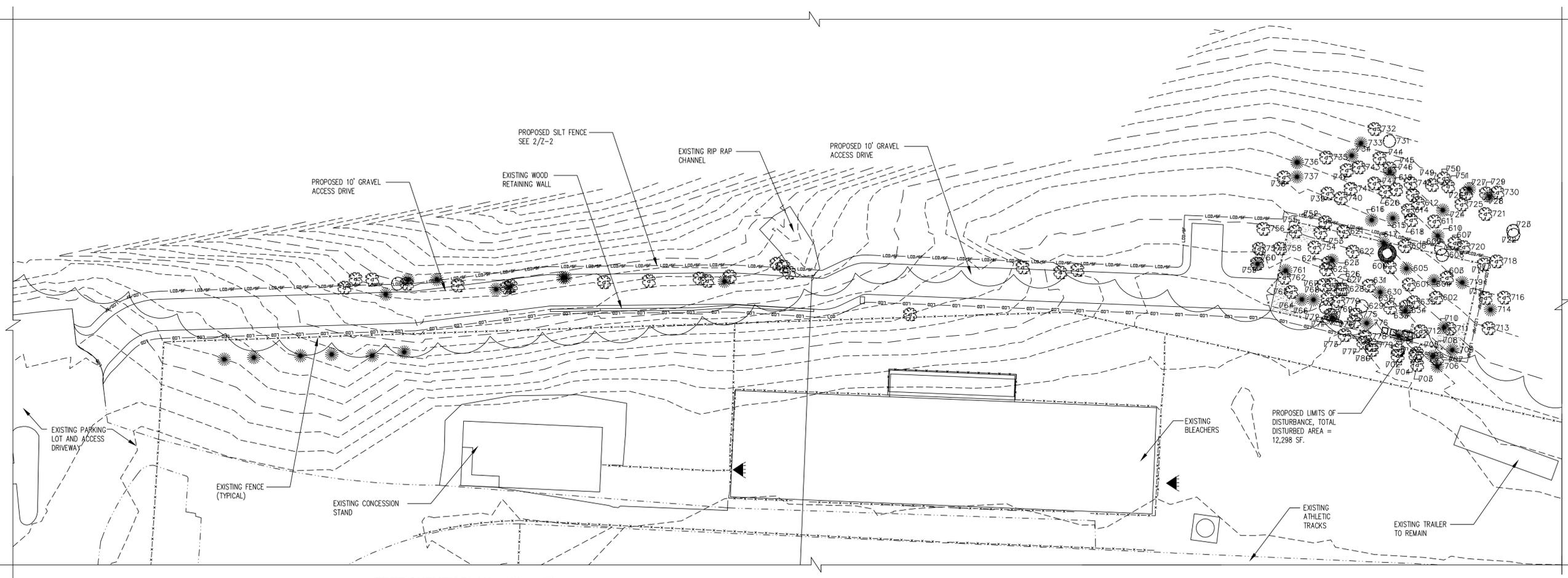
5" CONTOUR LINE
 - - - - -

LIMITS OF DISTURBANCE
 - - - - -

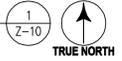
LIMITS OF DISTURBANCE/ SILT FENCE
 - - - - -

TREE PROTECTION FENCE
 - - - - -

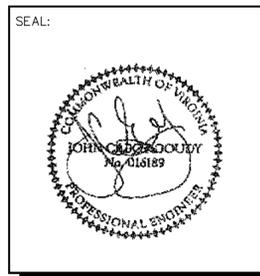
TREE OR VEGETATION LINE
 ~~~~~



**TREE SURVEY PLAN**  
 SCALE: 1" = 20'



| SUBMITTALS |                  |      |
|------------|------------------|------|
| DATE       | DESCRIPTION      | REV. |
| 04-30-18   | ZONING SUBMITTAL |      |
| 06-06-18   | ZONING SUBMITTAL |      |
|            |                  |      |
|            |                  |      |
|            |                  |      |
|            |                  |      |
|            |                  |      |
|            |                  |      |
|            |                  |      |



PROJECT NO: 1050.215  
 DESIGNER: C.S.  
 ENGINEER: M.M.

SCALE:  
 AS NOTED ON DRAWINGS

**WESTERN ALBEMARLE  
 HIGH SCHOOL  
 5941 ROCKFISH GAP TPKE  
 CROZET, VA 22932**

TITLE:  
**TREE SURVEY  
 PLAN TREES  
 TO REMAIN**

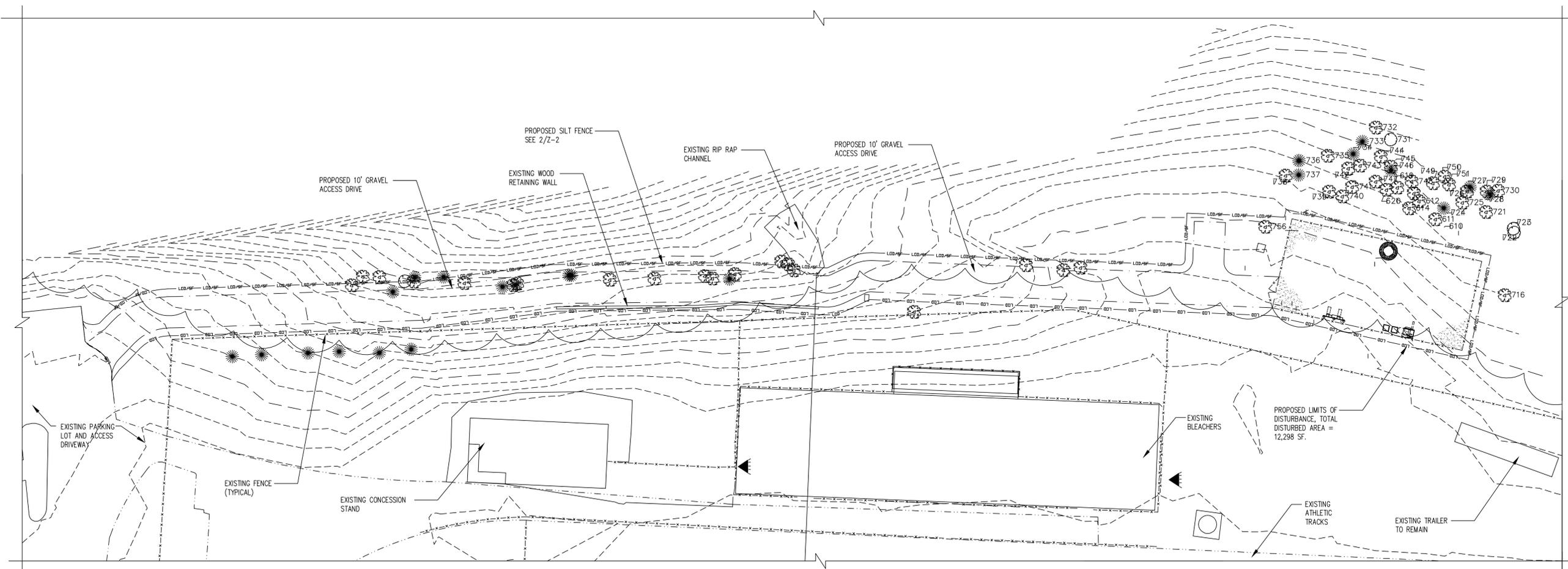
SHEET NUMBER:  
**Z-11**

**TREES TO REMAIN**

| PT# | TREE SIZE/TYPE  | TOP ELEVATION (AMSL) | PT# | TREE SIZE/TYPE | TOP ELEVATION (AMSL) |
|-----|-----------------|----------------------|-----|----------------|----------------------|
| 610 | 14" PINE        | 683.0'               | 743 | 2" MAPLE       | 681.8'               |
| 611 | 4" MAPLE        | 682.7'               | 744 | 2" MAPLE       | 681.1'               |
| 612 | 5" MAPLE        | 681.8'               | 745 | 5" MAPLE       | 681.2'               |
| 613 | 3" HICKORY      | 681.6'               | 746 | 12" DEAD PINE  | 681.6'               |
| 614 | 5" MAPLE        | 682.5'               | 747 | 4" MAPLE       | 682.2'               |
| 619 | 3" MAPLE        | 682.1'               | 748 | 6" MAPLE       | 681.4'               |
| 620 | 4" DOUBLE MAPLE | 682.5'               | 749 | 5" MAPLE       | 681.0'               |
| 716 | 4" MAPLE        | 682.4'               | 750 | 3" MAPLE       | 680.4'               |
| 721 | 6" MAPLE        | 681.0'               | 751 | 3" MAPLE       | 680.4'               |
| 722 | 5" POPLAR       | 680.7'               | 756 | 4" MAPLE       | 685.2'               |
| 723 | 5" POPLAR       | 680.7'               |     |                |                      |
| 724 | 12" DEAD PINE   | 682.7'               |     |                |                      |
| 725 | 3" MAPLE        | 681.1'               |     |                |                      |
| 726 | 3" MAPLE        | 680.8'               |     |                |                      |
| 727 | 14" PINE        | 681.1'               |     |                |                      |
| 728 | 14" PINE        | 680.4'               |     |                |                      |
| 729 | 4" MAPLE        | 680.6'               |     |                |                      |
| 730 | 6" MAPLE        | 679.9'               |     |                |                      |
| 731 | 9" POPLAR       | 679.9'               |     |                |                      |
| 732 | 3" MAPLE        | 679.4'               |     |                |                      |
| 733 | 26" DEAD PINE   | 681.4'               |     |                |                      |
| 734 | 11" DEAD PINE   | 681.6'               |     |                |                      |
| 735 | 6" MAPLE        | 682.0'               |     |                |                      |
| 736 | 14" DEAD PINE   | 682.4'               |     |                |                      |
| 737 | 15" DEAD PINE   | 683.4'               |     |                |                      |
| 738 | 6" MAPLE        | 683.3'               |     |                |                      |
| 739 | 7" MAPLE        | 682.9'               |     |                |                      |
| 740 | 8" MAPLE        | 683.4'               |     |                |                      |
| 741 | 3" HICKORY      | 682.4'               |     |                |                      |
| 742 | 5" MAPLE        | 681.9'               |     |                |                      |

**TREES TO BE REMOVED**

| PT# | TREE SIZE/TYPE   | TOP ELEVATION (AMSL) | PT#    | TREE SIZE/TYPE | TOP ELEVATION (AMSL) |
|-----|------------------|----------------------|--------|----------------|----------------------|
| 600 | 5" MAPLE         | 684.9'               | 717    | 5" MAPLE       | 681.4'               |
| 601 | 7" MAPLE         | 685.4'               | 718    | 7" MAPLE       | 681.2'               |
| 602 | 5" MAPLE         | 684.5'               | 719    | 8" PINE        | 683.3'               |
| 603 | 4" MAPLE         | 683.8'               | 720    | 2" MAPLE       | 682.8'               |
| 604 | 7" PINE          | 684.5'               | 752    | 4" BEACH       | 684.5'               |
| 605 | 17" PINE         | 685.2'               | 753    | 5" HICKORY     | 685.1'               |
| 606 | 5" MAPLE         | 684.0'               | 754    | 2" CEDAR       | 685.3'               |
| 607 | 3" HICKORY       | 682.8'               | 755    | 5" MAPLE       | 685.0'               |
| 608 | 3" DOUBLE POPLAR | 683.5'               | 757    | 5" MAPLE       | 686.4'               |
| 609 | 5" POPLAR        | 683.3'               | 758    | 5" WHITE OAK   | 686.0'               |
| 615 | 14" DEAD PINE    | 683.3'               | 759    | 8" PINE        | 686.6'               |
| 616 | 10" DEAD PINE    | 683.8'               | 760    | 3" CEDAR       | 686.4'               |
| 617 | 10" DEAD PINE    | 684.8'               | 761    | 7" PINE        | 686.5'               |
| 618 | 3" MAPLE         | 683.1'               | 762    | 13" MULBERRY   | 686.5'               |
| 621 | 4" MAPLE         | 684.2'               | 763    | 3" DECED.      | 687.2'               |
| 622 | 5" MAPLE         | 685.1'               | 764    | 5" PINE        | 687.4'               |
| 623 | 26" PINE         | 686.3'               | 765    | 5" PINE        | 687.3'               |
| 624 | 3" CEDAR         | 686.3'               | 766    | 6" PINE        | 687.2'               |
| 625 | 2" MAPLE         | 686.4'               | 767    | 3" MAPLE       | 686.8'               |
| 626 | 4" WHITE OAK     | 686.8'               | 768    | 3" WHITE OAK   | 687.2'               |
| 627 | 3" WHITE OAK     | 686.7'               | 769    | 4" POPLAR      | 687.8'               |
| 628 | 2" CEDAR         | 686.6'               | 770    | 3" CEDAR       | 687.2'               |
| 629 | 22" POPLAR       | 687.8'               | 771    | 8" PINE        | 688.3'               |
| 630 | 6" PINE          | 686.5'               | 772    | 3" WHITE OAK   | 687.9'               |
| 631 | 5" MAPLE         | 686.6'               | 773    | 9" WHITE OAK   | 688.3'               |
| 632 | 2" CEDAR         | 686.3'               | 774    | 3" MAPLE       | 687.9'               |
| 633 | 9" PINE          | 686.3'               | 775    | 2" CEDAR       | 687.8'               |
| 634 | 3" DOUBLE MAPLE  | 686.1'               | 776    | 12" DEAD PINE  | 687.6'               |
| 635 | 3" CEDAR         | 685.2'               | 777    | 16" MAPLE      | 688.6'               |
| 700 | 15" PINE         | 687.4'               | 778    | 4" MAPLE       | 688.0'               |
| 701 | 8" DOUBLE POPLAR | 687.7'               | 779    | 2" MAPLE       | 688.3'               |
| 702 | 5" CEDAR         | 688.0'               | 780    | 8" MAPLE       | 688.6'               |
| 703 | 7" HICKORY       | 688.0'               | BART 1 | POPLAR         | 93'                  |
| 704 | 4" HICKORY       | 687.4'               | BART 2 | WALNUT         | 60.3'                |
| 705 | 4" MAPLE         | 687.3'               |        |                |                      |
| 706 | 5" PINE          | 687.7'               |        |                |                      |
| 707 | 11" WHITE OAK    | 687.7'               |        |                |                      |
| 708 | 6" PINE          | 687.7'               |        |                |                      |
| 709 | 16" PINE         | 686.9'               |        |                |                      |
| 710 | 12" PINE         | 686.0'               |        |                |                      |
| 711 | 7" WHITE OAK     | 685.7'               |        |                |                      |
| 712 | 4" MAPLE         | 687.0'               |        |                |                      |
| 713 | 3" MAPLE         | 684.7'               |        |                |                      |
| 714 | 14" DEAD PINE    | 683.9'               |        |                |                      |
| 715 | 4" MAPLE         | 683.4'               |        |                |                      |

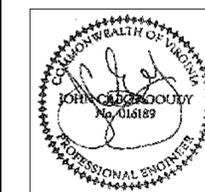


**TREE SURVEY PLAN  
 TREES TO REMAIN**  
 SCALE: 1" = 20'  
 1/2-11  
 TRUE NORTH

**SUBMITTALS**

| DATE     | DESCRIPTION      | REV. |
|----------|------------------|------|
| 04-30-18 | ZONING SUBMITTAL |      |
| 06-06-18 | ZONING SUBMITTAL |      |
|          |                  |      |
|          |                  |      |
|          |                  |      |
|          |                  |      |
|          |                  |      |
|          |                  |      |

SEAL:



**Milestone**  
COMMUNICATIONS

PROJECT NO: 1050.215  
 DESIGNER: R.S.  
 ENGINEER: M.M.

SCALE:  
 AS NOTED ON DRAWINGS

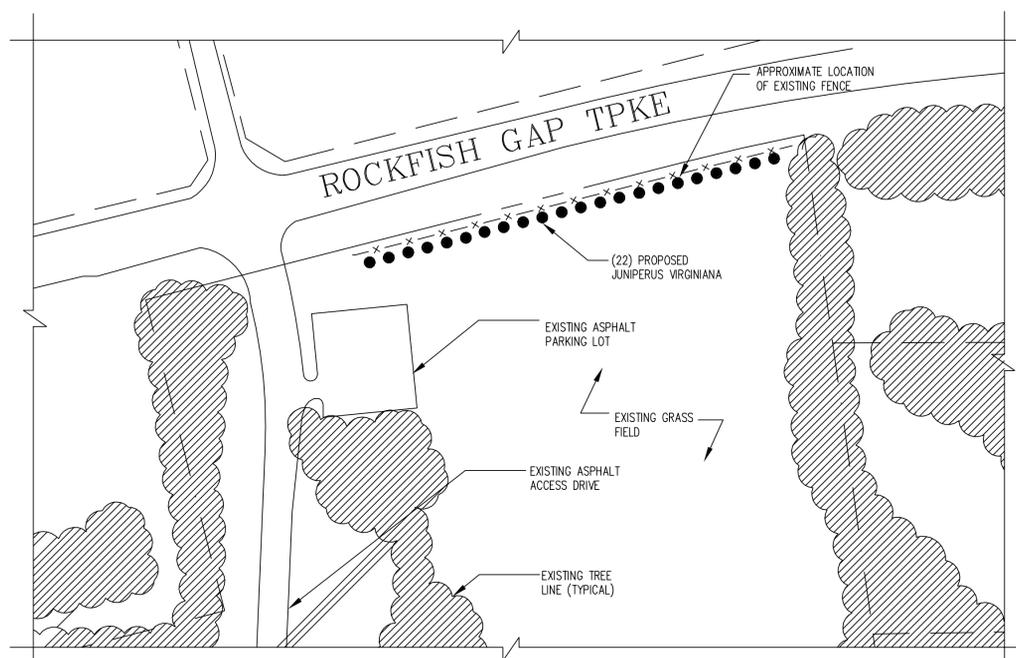
**WESTERN ALBEMARLE  
 HIGH SCHOOL**  
 5941 ROCKFISH GAP TPKE  
 CROZET, VA 22932

TITLE:

**LANDSCAPE PLAN**

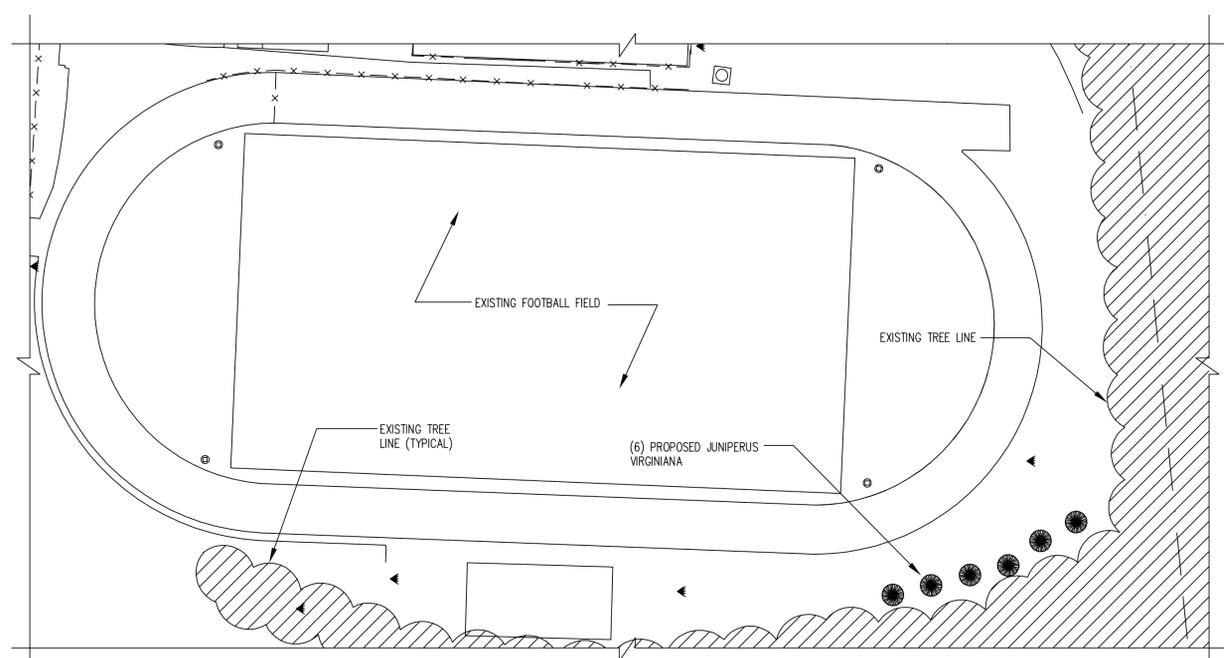
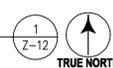
SHEET NUMBER:

**Z-12**



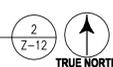
**LANDSCAPE PLAN ALONG ROCKFISH GAP TPKE**

SCALE: 1"=100'



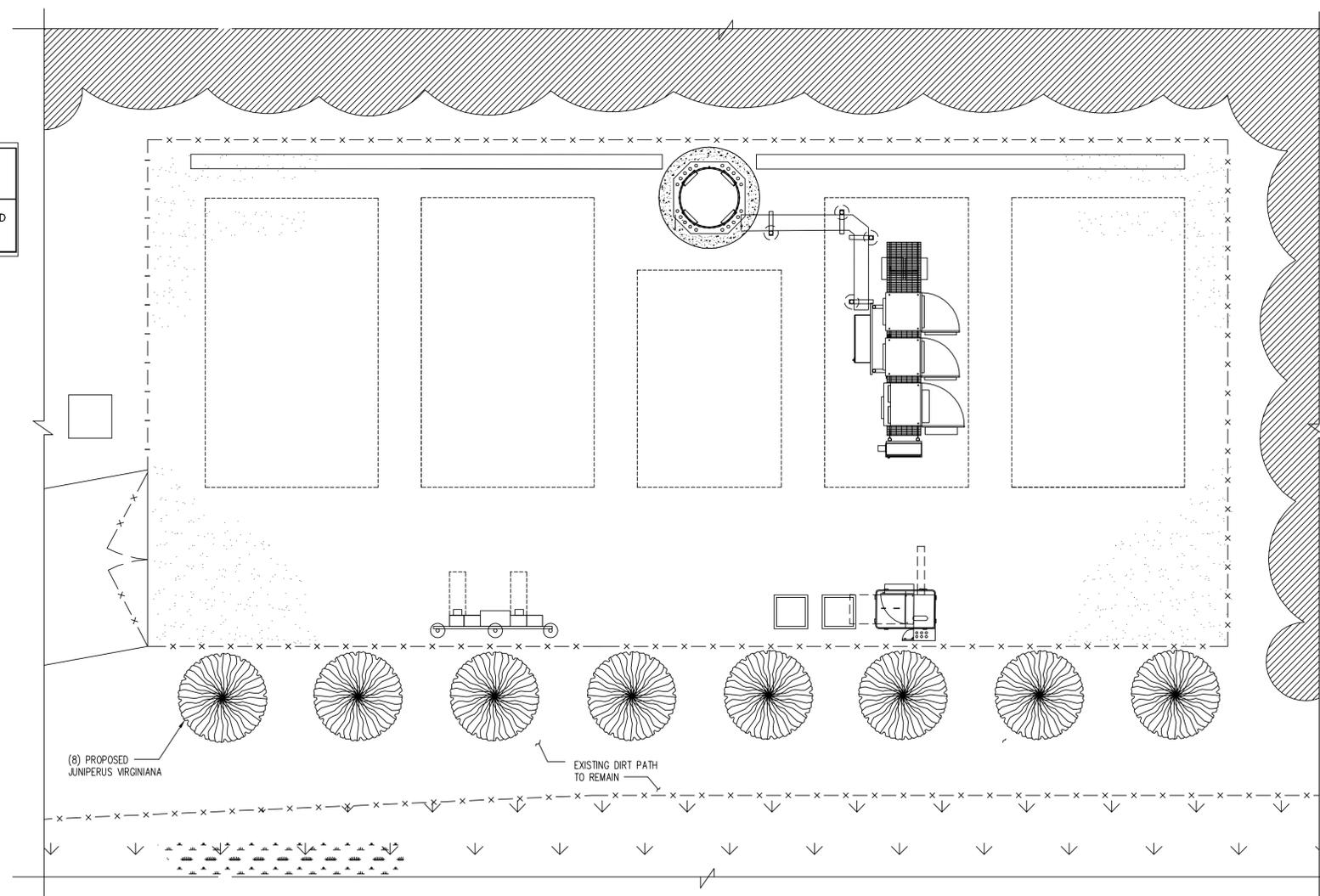
**LANDSCAPE PLAN ALONG SOUTHEAST SIDE OF FOOTBALL FIELD**

SCALE: 1"=50'



**TREE SCHEDULE**

| BOTANICAL NAME       | COMMON NAME       | TYPE                 | QTY. | CALIPER | HEIGHT AT PLANTING | REMARKS                                                     |
|----------------------|-------------------|----------------------|------|---------|--------------------|-------------------------------------------------------------|
| JUNIPERUS VIRGINIANA | EASTERN RED CEDAR | LARGE EVERGREEN TREE | 36   | 4"      | 8'-9'              | ALL PLANTS MUST MEET OR EXCEED THE MINIMUM SIZES SPECIFIED. |



**LANDSCAPE PLAN FOR EQUIPMENT COMPOUND**

SCALE: 1"=60'-0"

