

January 20, 2017

Steve Sandy, Director  
Planning & Community Development  
1255 Franklin Street  
Suite 103  
Rocky Mount, VA 24151

Re: Proposed Apex Towers, LLC Glade Hill Project  
195' Self Supporting Tower

Dear Mr. Sandy,

The purpose of this letter is to provide information in support of the above referenced project. This site is being proposed by Apex Towers, LLC for utilization initially by Shentel Wireless in order to provide improved communication service to the citizens and visitors of Franklin County. Specifically this site will improve the communication services within the Glade Hill/Union Hall area.

The position and height proposed for the structure are extremely important in the network design as it will provide coverage and connections to existing area sites. The proposed facility will be an integral part of the Shentel network in Franklin County and provide mobile communication services to customers, individuals, businesses and government agencies. The requested height of 195' is necessary because wireless is a "line of site" technology and due to the topography and the general geographical area. This height shall assist in providing wireless technologies for this site to allow continuous and seamless communication between the handheld and the site whether the user is located close or at the edge of the site's serving area.

In building this network, Shentel first looked to co-locate on existing structures or towers within the required area. Shentel strongly emphasizes on co-location for two reason 1.) It is the desire of most local governments, and 2.) It is typically cheaper than building a new site. For this search ring, Shentel could not locate an existing structure whose height, location and structural capacity were capable of meeting the Shentel network design criteria.

Since there were no suitable structures available the only viable option was to construct the proposed communications structure in compliance with all applicable Federal, State and County ordinances, codes and regulations which govern wireless communications facilities. Apex Towers, LLC will maintain the tower and equipment in a safe manner. Should you have any questions, please feel free to contact me.

Respectfully,



Craig Clifton, Senior Vice President  
Apex Towers, LLC  
[cclifton@apex-towers.com](mailto:cclifton@apex-towers.com)  
(276)963-1818

- > Special use permit is effective immediately after action by the Board of Supervisors
- > Special use permits expire in 18 months if there is no commencement of the use or related activity

**FRANKLIN COUNTY  
PETITION/APPLICATION FOR SPECIAL USE PERMIT  
(Type or Print)**

I/We, James Holland and Jeffery Holland, as Owner(s), Contract Purchasers, or Owner's Authorized Agent of the property described below, hereby apply to the Franklin County Board of Supervisors for a special use permit on the property as described below:

1. Petitioners Name: Apex Towers, LLC

2. Property Owner's Name: James Smith Holland and Jeffery Dodd Holland

Phone Number: 540-576-1960 540-334-2893

Address: 8870 Old Franklin Turnpike  
Union Hall, VA Zip: 24176

3. Exact Directions to Property from Rocky Mount: Rt. 673, Union Hall, VA 24176 (Jack's Mt)

4. Tax Map and Parcel Number: 0700009200

5. Magisterial District: Union Hall

6. Property Information:

A. Size of Property: 133.684 acres

B. Existing Zoning: A1

C. Existing Land Use: Agricultural

D. Is property located within any of the following overlay zoning districts:

Corridor District  Westlake Overlay District  Smith Mountain Lake Surface District

E. Is any land submerged under water or part of a lake? Yes No  If yes, explain.

\_\_\_\_\_

7. Proposed Special Use Permit Information:

A. Proposed Land Use: Construction of a Communications Tower

B. Size of Proposed Use: 100' x 100'

C. Other Details of Proposed Use: \_\_\_\_\_

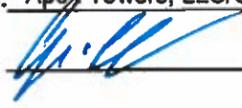
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Checklist for completed items:

- Application Form
- Letter of Application
- List of Adjoining Property Owners and Addresses
- Concept Plan
- Application Fee

I certify that this application for a special use permit and the information submitted herein is correct and accurate.

Petitioner's Name (Print): Apex Towers, LLC/Craig Clifton, VP

Signature of Petitioner: 

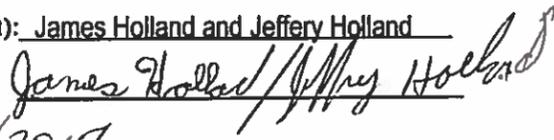
Date: 1/23/17

Mailing Address: 548 East Riverside Drive, Suite D  
North Tazewell, VA 24630

Telephone: 276-964-7416

Owner's consent, if petitioner is not property owner:

Owner's Name (Print): James Holland and Jeffery Holland

Signature of Owner: 

Date: 1/8/2017

Date Received by Planning Staff: \_\_\_\_\_

Time: \_\_\_\_\_

Clerk's Initials: \_\_\_\_\_

CHECK #: \_\_\_\_\_

RECPT. #: \_\_\_\_\_

AMOUNT: \_\_\_\_\_

**ADJACENT PROPERTY OWNERS**

Adjacent property owners are mailed a notice of the request. Please provide each owner's name and mailing address plus zip code for every property adjacent to the site and directly across from any public right-of-way adjoining the site. Names and addresses are available in the County Real Estate office in the Courthouse.

Sherrard J. Holland  
NAME: James Smith Holland ADDRESS: 679 Jacks Mt Rd, Glade Hill, VA 24092

TAX MAP NUMBER: 0700009201  
Richard D. Agee  
NAME: Annie B. Agee ADDRESS: 1349 Jacks Mt. Rd.

TAX MAP NUMBER: 0700009300 Glade Hill, VA 24092  
Jewel Allen Brown  
NAME: Shelia S. Brown ADDRESS: 1248 Jacks Mt. Rd.

070000800  
TAX MAP NUMBER: 0700008101 Glade Hill, VA 24092  
NAME: Mary Arrington Clements ADDRESS: 148 Newton Ave.

TAX MAP NUMBER: 06900003500 Norwalk, CT 06851

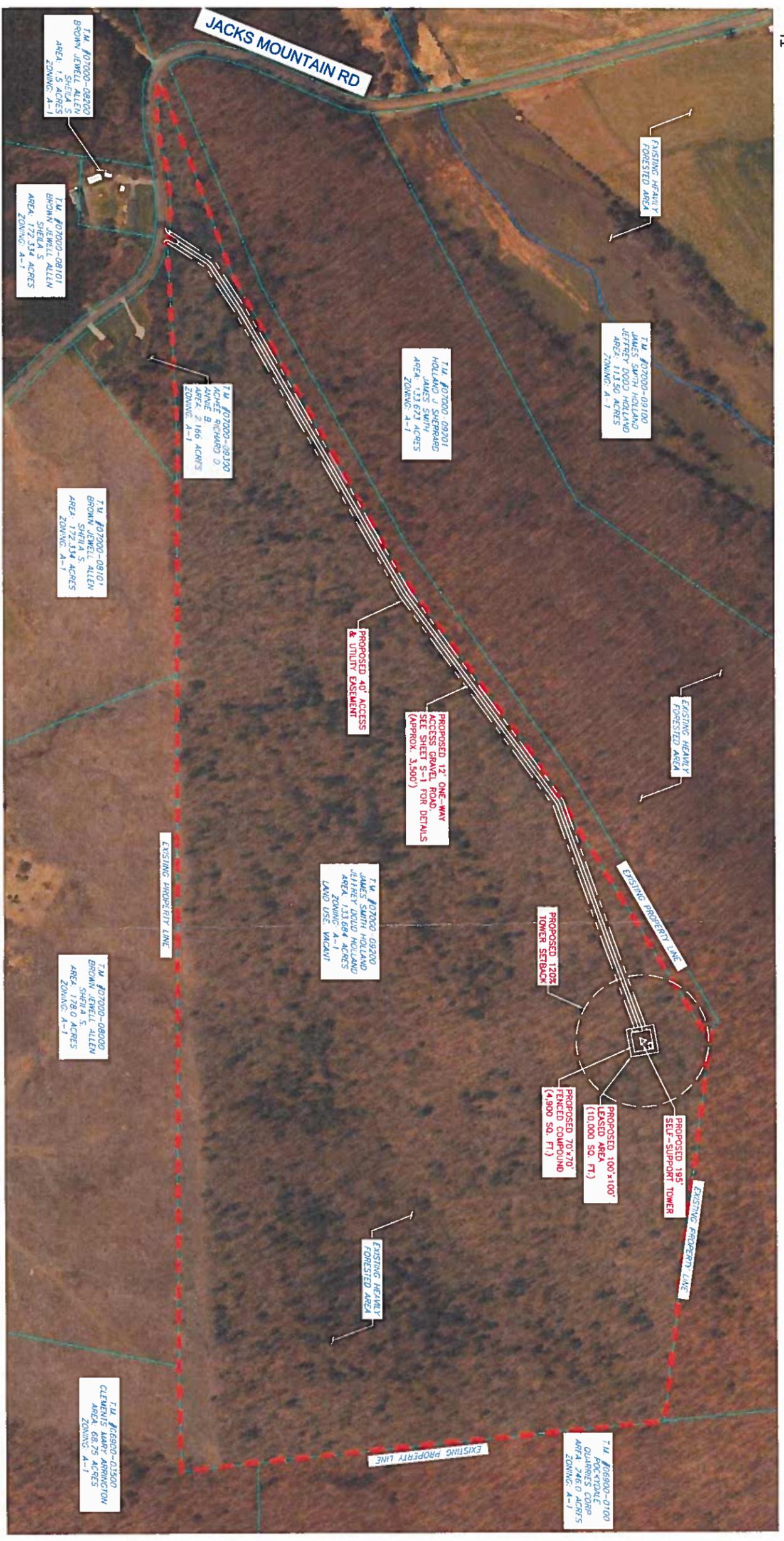
NAME: Rockydale Quarries ADDRESS: PO Box 8425

TAX MAP NUMBER: 0690000100 Roanoke, VA 24014

NAME: \_\_\_\_\_ ADDRESS: \_\_\_\_\_

TAX MAP NUMBER: \_\_\_\_\_

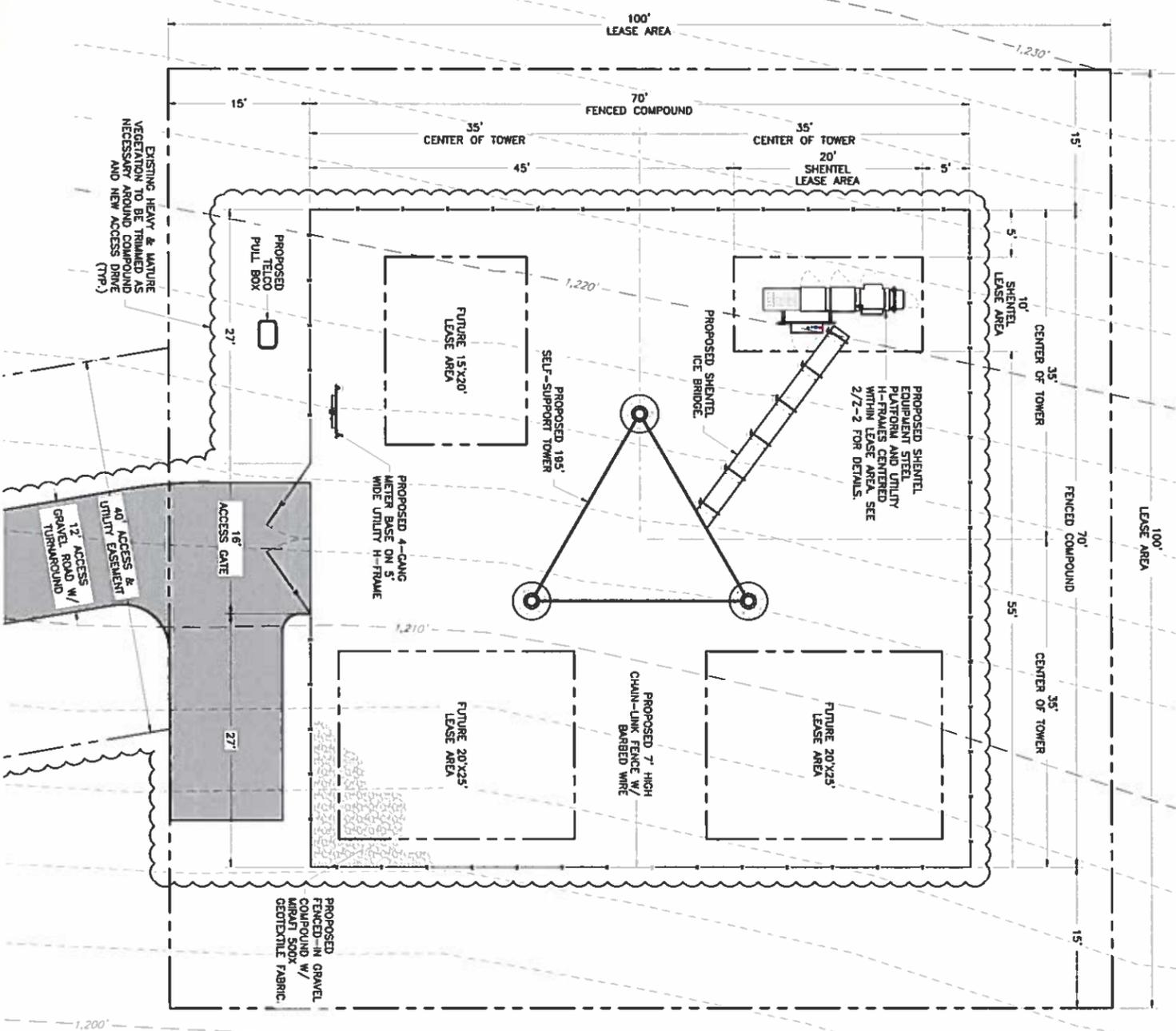
NAME: \_\_\_\_\_ ADDRESS: \_\_\_\_\_



1 ZONING PLAN  
SCALE: 1" = 400'-0"



SHEET NUMBER	SHEET TITLE	ENGINEER	PROFESSIONAL STAMP	DESIGN RECORD	SITE INFORMATION	APPLICANT	ENGINEER								
Z-2	ZONING PLAN	TRENT T. SWARR, P.E. VA PROFESSIONAL ENGINEER LIC #48978	<p style="color: red; text-align: center; font-weight: bold; font-size: 1.2em;">PRELIMINARY (NOT FOR CONSTRUCTION)</p>	<table border="1"> <thead> <tr> <th>REV</th> <th>DATE</th> <th>DESCRIPTION</th> <th>BY</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>01/17/17</td> <td>PRELIMINARY</td> <td>AM</td> </tr> </tbody> </table>	REV	DATE	DESCRIPTION	BY	0	01/17/17	PRELIMINARY	AM	<p><b>REVISIONS</b></p> <p>           APEX SITE NAME:            GLADE HILL            APEX SITE ID: VAF1GH01             SHENTEL SITE NAME:            JACKS CREEK            SHENTEL SITE ID: 67054             NB+C PROJ # 26604            JACKS MOUNTAIN ROAD            UNION HALL, VA 24176            FRANKLIN COUNTY         </p>	<p> <b>Apex Towers</b>            548 EAST RIVERSIDE DR, STE D            NORTH TAZEWELL, VA 24630            (276) 963-1818         </p>	<p> <b>NB+C</b>            TOTALLY COMMITTED.            NB+C ENGINEERING SERVICES, LLC.  <small>4500 Southpark Drive, Suite 100            Glen Allen, VA 22080</small> </p>
REV	DATE	DESCRIPTION	BY												
0	01/17/17	PRELIMINARY	AM												



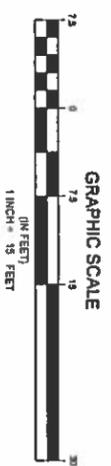
EXISTING HEAVY & MATURE VEGETATION TO BE TRIMMED AS NECESSARY AROUND COMPOUND AND NEW ACCESS DRIVE (TYP.)

PROPOSED STEEL EQUIPMENT AND UTILITY H-FRAMES CENTERED WITHIN LEASE AREA. SEE 2/2-2 FOR DETAILS.

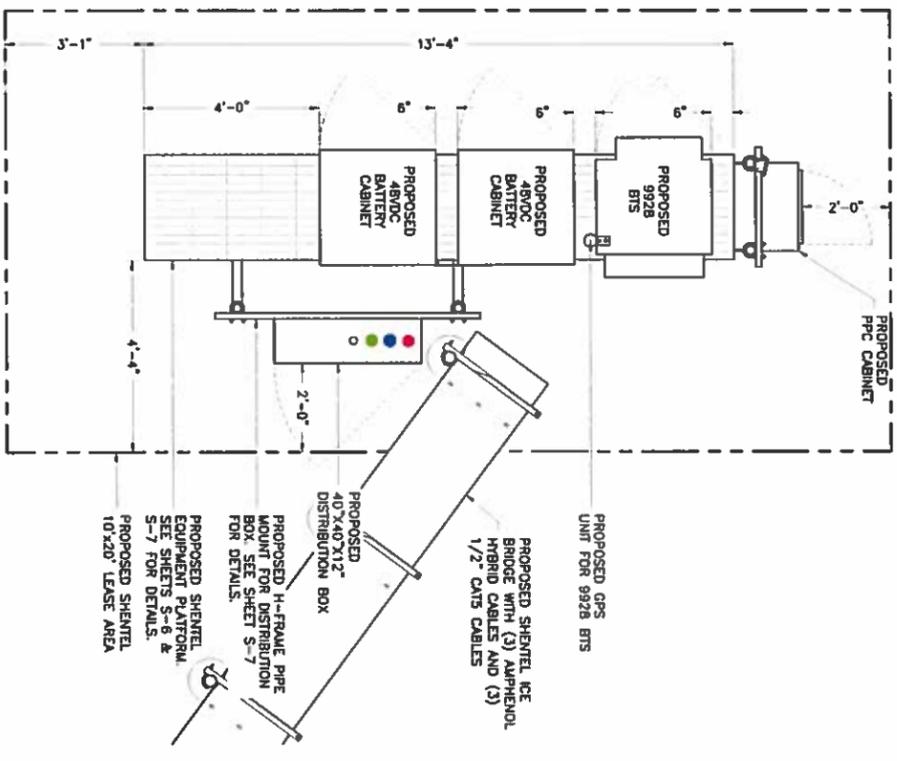
PROPOSED 4-GANG METER BASE ON 8" WIDE UTILITY H-FRAME

PROPOSED IN-GRAVEL COMPOUND W/ MARL 500X GEOTEXTILE FABRIC.

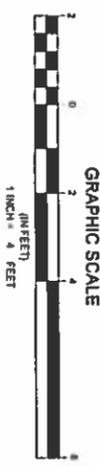
1 COMPOUND PLAN  
SCALE: 1" = 15'-0"



**NOTE**  
1. REFER TO STRUCTURAL ANALYSIS FOR PROPOSED ANTENNA MOUNTING BRIDGE.  
2. LIST CABLE SERVICE POST TO BE INSTALLED NEXT TO FIBER BOX (AS SHOWN ON DRAWINGS).



2 EQUIPMENT LAYOUT PLAN  
SCALE: 1" = 4'



**ENGINEER**

**TOTALLY COMMITTED.**

**NB+C**

NB+C ENGINEERING SERVICES, LLC.  
448 WESTPARK DRIVE, SUITE 110  
ALEXANDRIA, VA 22304

**APPLICANT**

**Apex Towers**

548 EAST RIVERSIDE DR. STE. D  
NORTH TAZEWELL, VA 24630  
(276) 963-1818

**SITE INFORMATION**

APEX SITE NAME:  
GLADE HILL  
APEX SITE ID: VAF1GH01

SHENTEL SITE NAME:  
JACKS CREEK  
SHENTEL SITE ID: 67054

NB+C PROJ # 26604  
JACKS MOUNTAIN ROAD  
UNION HALL, VA 24176  
FRANKLIN COUNTY

**DESIGN RECORD**

REV	DATE	DESCRIPTION	BY
0	01/18/17	PRELIMINARY	NI

**PROFESSIONAL STAMP**

**PRELIMINARY**  
(NOT FOR CONSTRUCTION)

**ENGINEER**

TRENT T. SWARR, P.E.  
VA PROFESSIONAL ENGINEER LIC #48978

**SHEET TITLE**

COMPOUND PLAN

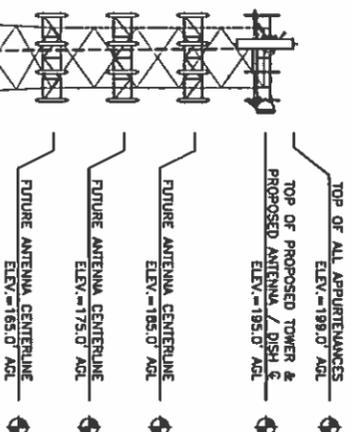
**SHEET NUMBER**

Z-3

PROPOSED SHENTEL ANTENNA  
(TYP. OF 3)

PROPOSED SHENTEL RRM  
MOUNTED BEHIND ANTENNA  
(TYP. OF 6)

PROPOSED SHENTEL  
(1) MICROWAVE DISH



TOP OF ALL APPURTENANCES  
ELEV.=198.0' AGL

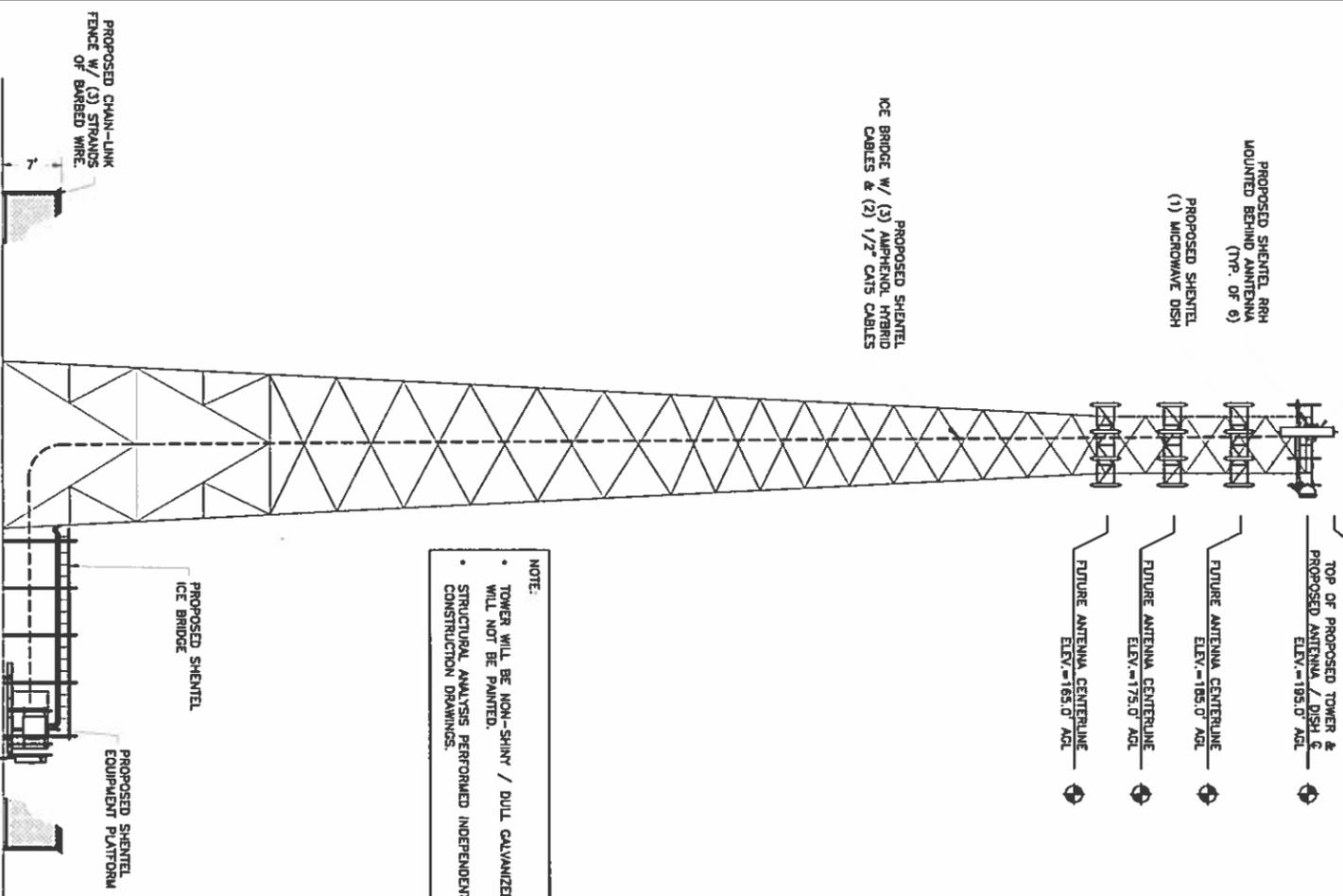
TOP OF PROPOSED TOWER &  
PROPOSED ANTENNA / DISH &  
ELEV.=193.0' AGL

FUTURE ANTENNA CENTERLINE  
ELEV.=185.0' AGL

FUTURE ANTENNA CENTERLINE  
ELEV.=175.0' AGL

FUTURE ANTENNA CENTERLINE  
ELEV.=165.0' AGL

PROPOSED SHENTEL  
ICE BRIDGE W/ (3) APPEND. HYBRID  
CABLES & (2) 1/2" CANS CABLES

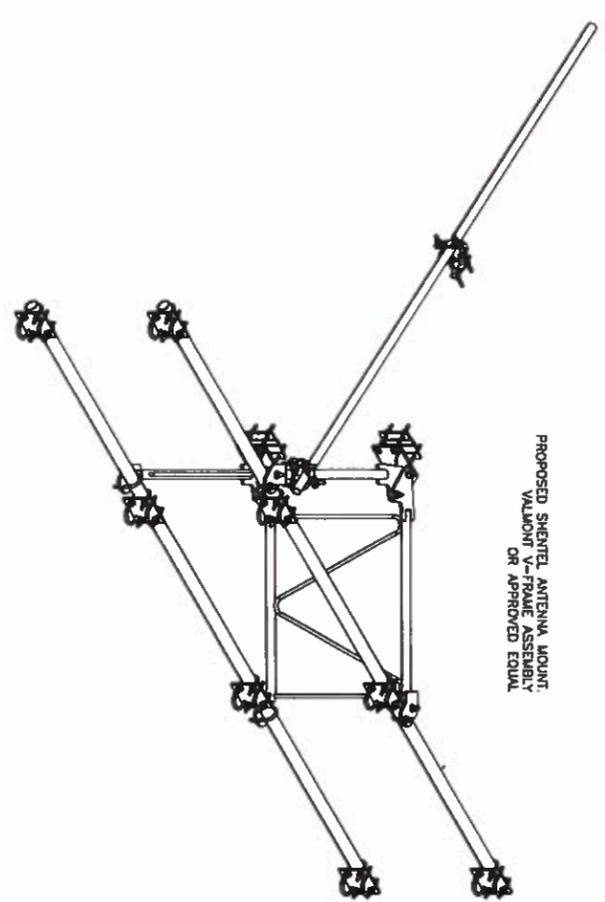


1 TOWER ELEVATION  
SCALE 1" = 25'-0"



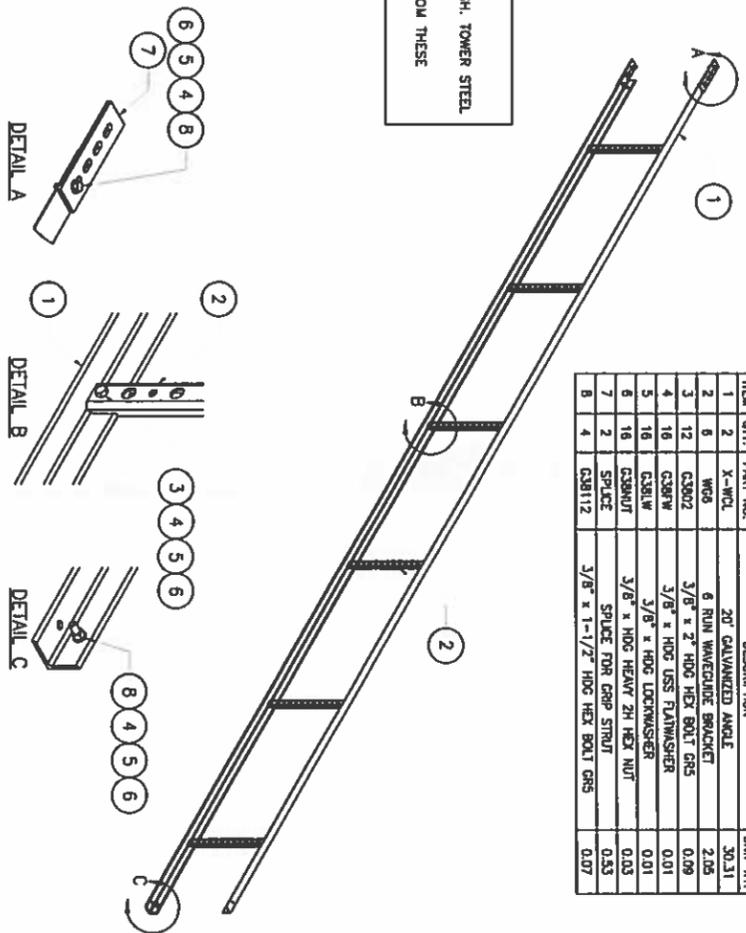
NOTE:  
• TOWER WILL BE NON-SHINY / DULL GALVANIZED FINISH. TOWER STEEL  
WILL NOT BE PAINTED.  
• STRUCTURAL ANALYSIS PERFORMED INDEPENDENTLY FROM THESE  
CONSTRUCTION DRAWINGS.

PROPOSED SHENTEL ANTENNA MOUNT  
VALUANT V-FRAME ASSEMBLY  
OR APPROVED EQUAL



2 ANTENNA MOUNT DETAIL  
SCALE 1" = 25'-0"

ITEM	QTY.	PART NO.	DESCRIPTION	UNIT	WT.
1	2	X-WCL	20' GALVANIZED ANGLE	EA	30.31
2	6	W03	6 RIM WINGED BOLT	EA	2.05
3	12	G3002	3/8" x 2" HDG HEX BOLT GR5	EA	0.09
4	16	G301W	3/8" x HDG USS FLAMWASHER	EA	0.01
5	16	G301W	3/8" x HDG LOCKWASHER	EA	0.01
6	16	G301UT	3/8" x HDG HEAVY 2H HEX NUT	EA	0.03
7	2		SPLICE FOR GRP STRUT	EA	0.53
8	4	G30112	3/8" x 1-1/2" HDG HEX BOLT GR5	EA	0.07



3 CABLE LADDER DETAIL (SITE PRO WCL6)  
SCALE 1" = 25'-0"

GENERAL NOTES

1. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CODES, ORDINANCES, LAWS AND REGULATIONS OF ALL MUNICIPALITIES, UTILITIES COMPANY OR OTHER PUBLIC AGENCIES.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND INSPECTIONS THAT MAY BE REQUIRED BY ANY FEDERAL, STATE, COUNTY OR MUNICIPAL AUTHORITIES.
3. THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER, IN WRITING, OF ANY CONFLICTS, ERRORS OR OMISSIONS PRIOR TO THE SUBMISSION OF BIDS OR PERFORMANCE OF WORK. MINOR OMISSIONS OR ERRORS IN THE BID DOCUMENTS SHALL NOT RELIEVE THE CONTRACTOR FROM RESPONSIBILITY FOR THE OVERALL INTENT OF THESE DRAWINGS.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING SITE IMPROVEMENTS PRIOR TO COMMENCING CONSTRUCTION. THE CONTRACTOR SHALL REPAIR ANY DAMAGE CAUSED AS A RESULT OF CONSTRUCTION OF THIS FACILITY.
5. THE SCOPE OF WORK FOR THIS PROJECT SHALL INCLUDE PROVIDING ALL MATERIALS, EQUIPMENT AND LABOR REQUIRED TO COMPLETE THIS PROJECT. ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
6. THE CONTRACTOR SHALL VISIT THE PROJECT SITE PRIOR TO SUBMITTING A BID TO VERIFY THAT THE PROJECT CAN BE CONSTRUCTED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
7. CONTRACTOR SHALL VERIFY ANTENNA ELEVATION AND AZIMUTH WITH RF ENGINEERING PRIOR TO INSTALLATION.
8. TRANSMITTER EQUIPMENT AND ANTENNAS ARE DESIGNED TO MEET ANSI/EIA/TIA 222-G REQUIREMENTS.
9. ALL STRUCTURAL ELEMENTS SHALL BE HOT DIPPED GALVANIZED STEEL.
10. CONTRACTOR SHALL MAKE A UTILITY "ONE CALL" TO LOCATE ALL UTILITIES PRIOR TO EXCAVATING.
11. IF ANY UNDERGROUND UTILITIES OR STRUCTURES EXIST BENEATH THE PROJECT AREA, CONTRACTOR MUST LOCATE IT AND CONTACT THE APPLICANT & THE OWNER'S REPRESENTATIVE.
12. OCCUPANCY IS LIMITED TO PERIODIC MAINTENANCE AND INSPECTION BY TECHNICIANS APPROXIMATELY 2 TIMES PER MONTH.
13. PRIOR TO THE INSTALLATION OF THE PROPOSED EQUIPMENT OR MODIFICATION OF THE EXISTING STRUCTURE, A STRUCTURAL ANALYSIS SHALL BE PERFORMED BY THE OWNER'S AGENT TO CERTIFY THAT THE EXISTING/PROPOSED COMMUNICATION STRUCTURE AND COMPONENTS ARE STRUCTURALLY ADEQUATE TO SUPPORT ALL EXISTING AND PROPOSED ANTENNAS, COAXIAL CABLES AND OTHER APPURTENANCES.
14. PROPERTY LINE INFORMATION WAS PREPARED USING DEEDS, TAX MAPS, AND PLANS OF RECORD AND SHOULD NOT BE CONSTRUED AS AN ACCURATE BOUNDARY SURVEY.
15. THIS PLAN IS SUBJECT TO ALL EASEMENTS AND RESTRICTIONS OF RECORD.
16. NO SIGNIFICANT NOISE, SMOKE, DUST, OR ODOR WILL RESULT FROM THIS FACILITY.
17. THE FACILITY IS UNMANNED AND NOT INTENDED FOR HUMAN HABITATION (NO HANDICAP ACCESS REQUIRED).
18. POWER TO THE FACILITY WILL BE MONITORED BY A SEPARATE METER.
19. POWER TO THE FACILITY WILL BE MONITORED BY A SEPARATE METER.



ENGINEER	<p>TOTALLY COMMITTED.</p> <p>NB+C ENGINEERING SERVICES, LLC.</p> <p>444 WESTPORT DRIVE, SUITE 1100 DUBLIN, VA 22024</p>								
APPLICANT	<p>548 EAST RIVERSIDE DR, STE D NORTH TAZEWELL, VA 24630 (276) 963-1818</p>								
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ENGINEER	<p>TRENT T. SMARR, P.E. VA PROFESSIONAL ENGINEER LIC #49878</p>								
SHEET TITLE	<p>ELEVATION</p>								
SHEET NUMBER	<p>Z-4</p>								