



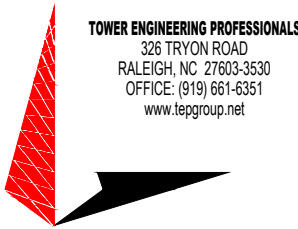
DISH WIRELESS SITE NAME: PEACE WITH CHRIST CHURCH
DISH WIRELESS SITE ID: DEN00150A
SITE ADDRESS: 3290 SOUTH TOWER ROAD
AURORA, CO 80013

SCOPE OF WORK
THIS IS NOT AN ALL INCLUSIVE LIST. CONTRACTOR SHALL UTILIZE SPECIFIED EQUIPMENT PART OR ENGINEER APPROVED EQUIVALENT. CONTRACTOR SHALL VERIFY ALL NEEDED EQUIPMENT TO PROVIDE A FUNCTIONAL SITE. THE PROJECT GENERALLY CONSISTS OF THE FOLLOWING:
ROOFTOP SCOPE OF WORK: <ul style="list-style-type: none">• INSTALL (3) PROPOSED CANISTER ANTENNAS (1 PER SECTOR)• INSTALL (3) NON-PENETRATING ROOFTOP TRI-PODS (1 PER SECTOR)• INSTALL PROPOSED JUMPERS• INSTALL (6) PROPOSED RRU's (2 PER SECTOR)• INSTALL (3) PROPOSED SURGE SUPPRESSION DEVICES (1 PER SECTOR)• INSTALL (3) PROPOSED HYBRID CABLES (1 PER SECTOR)• INSTALL (1) PROPOSED CABLE CLAMP
GROUND SCOPE OF WORK: <ul style="list-style-type: none">• INSTALL (1) PROPOSED METAL PLATFORM• INSTALL (1) PROPOSED CABLE TRAY• INSTALL (1) PROPOSED BBU IN CABINET• INSTALL (1) PROPOSED BREAKER CABINET• INSTALL (1) PROPOSED EQUIPMENT CABINET• INSTALL (1) PROPOSED POWER CONDUIT• INSTALL (1) PROPOSED TELCO CONDUIT• INSTALL (1) PROPOSED GPS ANTENNA

SITE INFORMATION	PROJECT DIRECTORY
PROPERTY OWNER: PEACE WITH CHRIST LUTHERAN CHURCH	APPLICANT: DISH WIRELESS
ADDRESS: 3290 TOWER ROAD AURORA, CO 80013	5701 SOUTH SANTA FE DRIVE LITTLETON, CO 80120
TOWER TYPE: ROOFTOP	STRUCTURE OWNER: GEORGE DYER
TOWER SITE ID: XXX	3290 TOWER ROAD AURORA, CO 80013 (303) 503-5356
TOWER APP NUMBER: XXX	
COUNTY: ARAPAHOE	SITE DESIGNER: TOWER ENGINEERING PROFESSIONALS
LATITUDE (NAD 83): 39° 39' 28.23" N	326 TRYON ROAD RALEIGH, NC 27603 (919) 661-6351
LONGITUDE (NAD 83): 104° 46' 17.74" W	
ZONING JURISDICTION: ARAPAHOE COUNTY	SITE ACQUISITION: RICHARD GAITO
ZONING DISTRICT: A-1	(303) 566-9924
PARCEL NUMBER: 1975-34-3-24-001	CONSTRUCTION MANAGER: SCOTT TOMLINSON
OCCUPANCY GROUP: U	(720) 788-6655
CONSTRUCTION TYPE: V-B	RF ENGINEER: PARESH PANCHEL
POWER COMPANY: XCEL	
TELEPHONE COMPANY: AT&T	



5701 SOUTH SANTA FE DRIVE
LITTLETON, CO 80120



IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

DRAWN BY: CHECKED BY: APPROVED BY:

BLB CSN ---

RFDS REV #: 001

CONSTRUCTION GENERAL INFORMATION

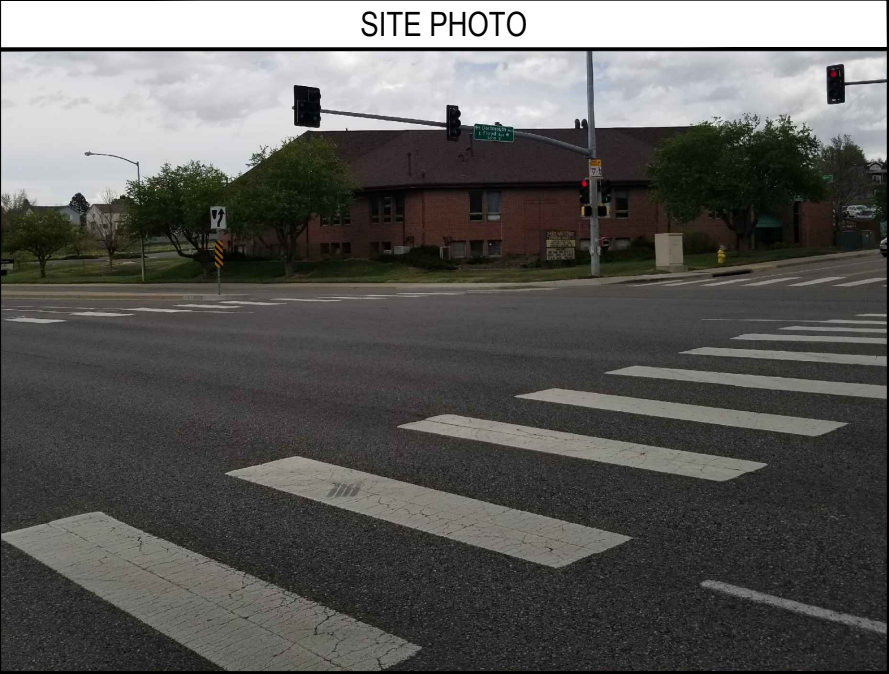
SUBMITTALS		
REV	DATE	DESCRIPTION
A	09-28-20	ZONING
B	11-23-20	ZONING
C	01-26-21	ZONING

(VENDOR) PROJECT NUMBER
248231.436633

DISH WIRELESS PROJECT NUMBER
SITE ID: DEN00150A
ADDRESS: 3290 SOUTH TOWER ROAD
AURORA, CO 80013
(ARAPAHOE COUNTY)

SHEET TITLE
TITLE SHEET

SHEET NUMBER
T-1





UNDERGROUND SERVICE ALERT
UTILITY NOTIFICATION CENTER OF COLORADO
(800) 922-1987
WWW.UNCC.ORG

CALL 3 WORKING DAYS UTILITY NOTIFICATION PRIOR TO CONSTRUCTION



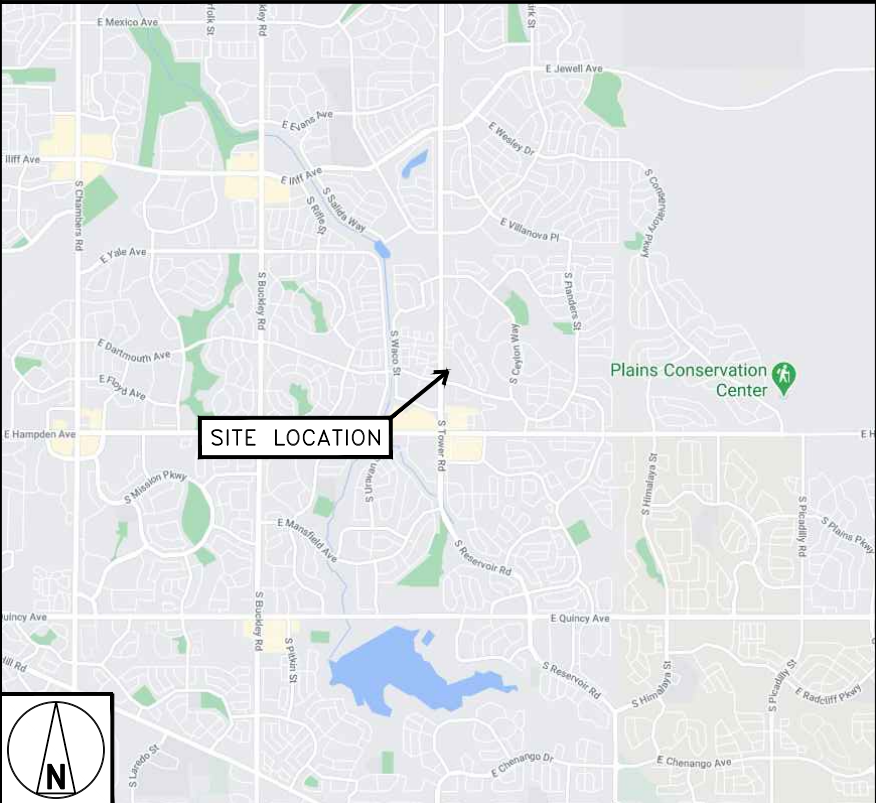
GENERAL NOTES
THE FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. A TECHNICIAN WILL VISIT THE SITE AS REQUIRED FOR ROUTINE MAINTENANCE. THE PROJECT WILL NOT RESULT IN ANY SIGNIFICANT DISTURBANCE OR EFFECT ON DRAINAGE. NO SANITARY SEWER SERVICE, POTABLE WATER, OR TRASH DISPOSAL IS REQUIRED AND NO COMMERCIAL SIGNAGE IS PROPOSED.
11"x17" PLOT WILL BE HALF SCALE UNLESS OTHERWISE NOTED
CONTRACTOR SHALL VERIFY ALL PLANS, EXISTING DIMENSIONS, AND CONDITIONS ON THE JOB SITE, AND SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK.

DIRECTIONS

DIRECTIONS FROM DISH WIRELESS OFFICE/AIRPORT/DOWNTOWN:
FROM DISH WIRELESS OFFICE: TURN LEFT ONTO S SANTA FE DR. IN 3 MILES USE THE RIGHT LANE TO TAKE THE RAMP ONTO US-285 N/W HAMPDEN AVE. IN 4.6 MILES TAKE A SLIGHT RIGHT TO MERGE ONTO I-25 S. USE THE RIGHT 2 LANES TO TAKE EXIT 200 FOR I-25 N. CONTINUE ONTO I-225 N FOR 3 MILES. USE THE RIGHT 2 LANES TO TAKE EXIT 4 TO MERGE ONTO CO-83 S/S PARKER RD. TAKE EXIT TOWARD E HAMPDEN AVE. KEEP LEFT AND FOLLOW SIGNS FOR HAMPDEN AVE. CONTINUE ONTO E HAMPDEN AVE FOR 3.1 MILES. TURN LEFT ONTO S TOWER RD. TURN RIGHT ONTO E FLOYD AVE AND THE DESTINATION WILL BE ON THE LEFT.

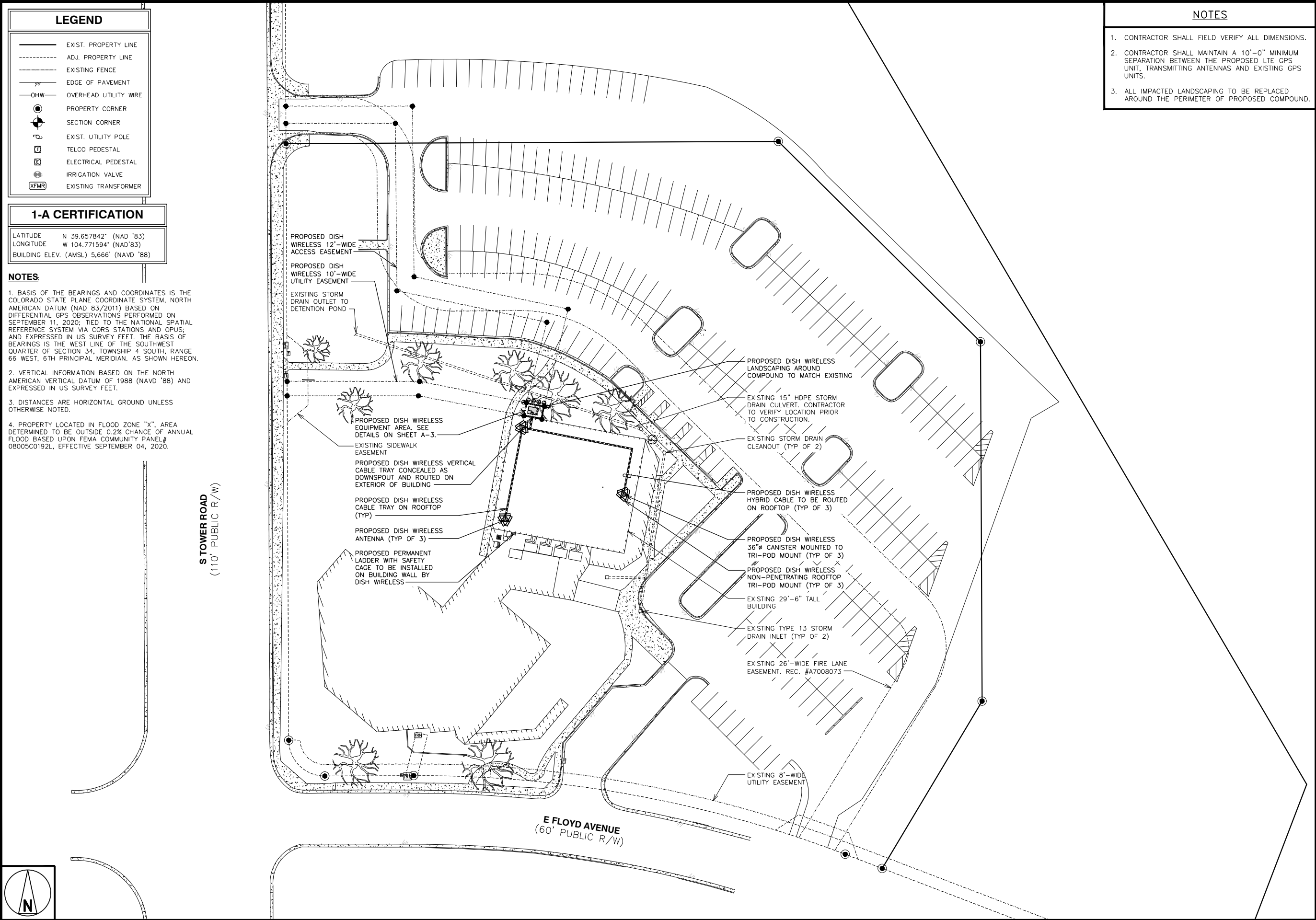


VICINITY MAP



SITE LOCATION

NO SCALE



LEGEND

- EXIST. PROPERTY LINE
- ADJ. PROPERTY LINE
- EXISTING FENCE
- EDGE OF PAVEMENT
- OVERHEAD UTILITY WIRE
- PROPERTY CORNER
- SECTION CORNER
- EXIST. UTILITY POLE
- TELCO PEDESTAL
- ELECTRICAL PEDESTAL
- IRRIGATION VALVE
- EXISTING TRANSFORMER

1-A CERTIFICATION

LATITUDE N 39.657842° (NAD '83)
LONGITUDE W 104.771594° (NAD '83)
BUILDING ELEV. (AMSL) 5,666' (NAVD '88)

- NOTES**
1. BASIS OF THE BEARINGS AND COORDINATES IS THE COLORADO STATE PLANE COORDINATE SYSTEM, NORTH AMERICAN DATUM (NAD 83/2011) BASED ON DIFFERENTIAL GPS OBSERVATIONS PERFORMED ON SEPTEMBER 11, 2020; TIED TO THE NATIONAL SPATIAL REFERENCE SYSTEM VIA CORS STATIONS AND OPUS; AND EXPRESSED IN US SURVEY FEET. THE BASIS OF BEARINGS IS THE WEST LINE OF THE SOUTHWEST QUARTER OF SECTION 34, TOWNSHIP 4 SOUTH, RANGE 66 WEST, 6TH PRINCIPAL MERIDIAN. AS SHOWN HEREON.
 2. VERTICAL INFORMATION BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD '88) AND EXPRESSED IN US SURVEY FEET.
 3. DISTANCES ARE HORIZONTAL GROUND UNLESS OTHERWISE NOTED.
 4. PROPERTY LOCATED IN FLOOD ZONE "X", AREA DETERMINED TO BE OUTSIDE 0.2% CHANCE OF ANNUAL FLOOD BASED UPON FEMA COMMUNITY PANEL# 08005C0192L, EFFECTIVE SEPTEMBER 04, 2020.

- NOTES**
1. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS.
 2. CONTRACTOR SHALL MAINTAIN A 10'-0" MINIMUM SEPARATION BETWEEN THE PROPOSED LTE GPS UNIT, TRANSMITTING ANTENNAS AND EXISTING GPS UNITS.
 3. ALL IMPACTED LANDSCAPING TO BE REPLACED AROUND THE PERIMETER OF PROPOSED COMPOUND.

5701 SOUTH SANTA FE DRIVE
LITTLETON, CO 80120

TOWER ENGINEERING PROFESSIONALS
326 TRYON ROAD
RALEIGH, NC 27603-3530
OFFICE: (919) 681-6351
www.tepgroup.net

ZONING REVIEW

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

DRAWN BY:	CHECKED BY:	APPROVED BY:
BLB	CSN	---

RFDS REV #: 001

CONSTRUCTION GENERAL INFORMATION

SUBMITTALS		
REV	DATE	DESCRIPTION
A	09-28-20	ZONING
B	11-23-20	ZONING
C	01-26-21	ZONING

(VENDOR) PROJECT NUMBER
248231.436633

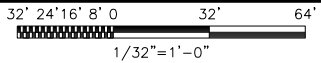
DISH WIRELESS PROJECT NUMBER
SITE ID:
DEN00150A
ADDRESS:
3290 SOUTH TOWER ROAD
AURORA, CO 80013
(ARAPAHOE COUNTY)

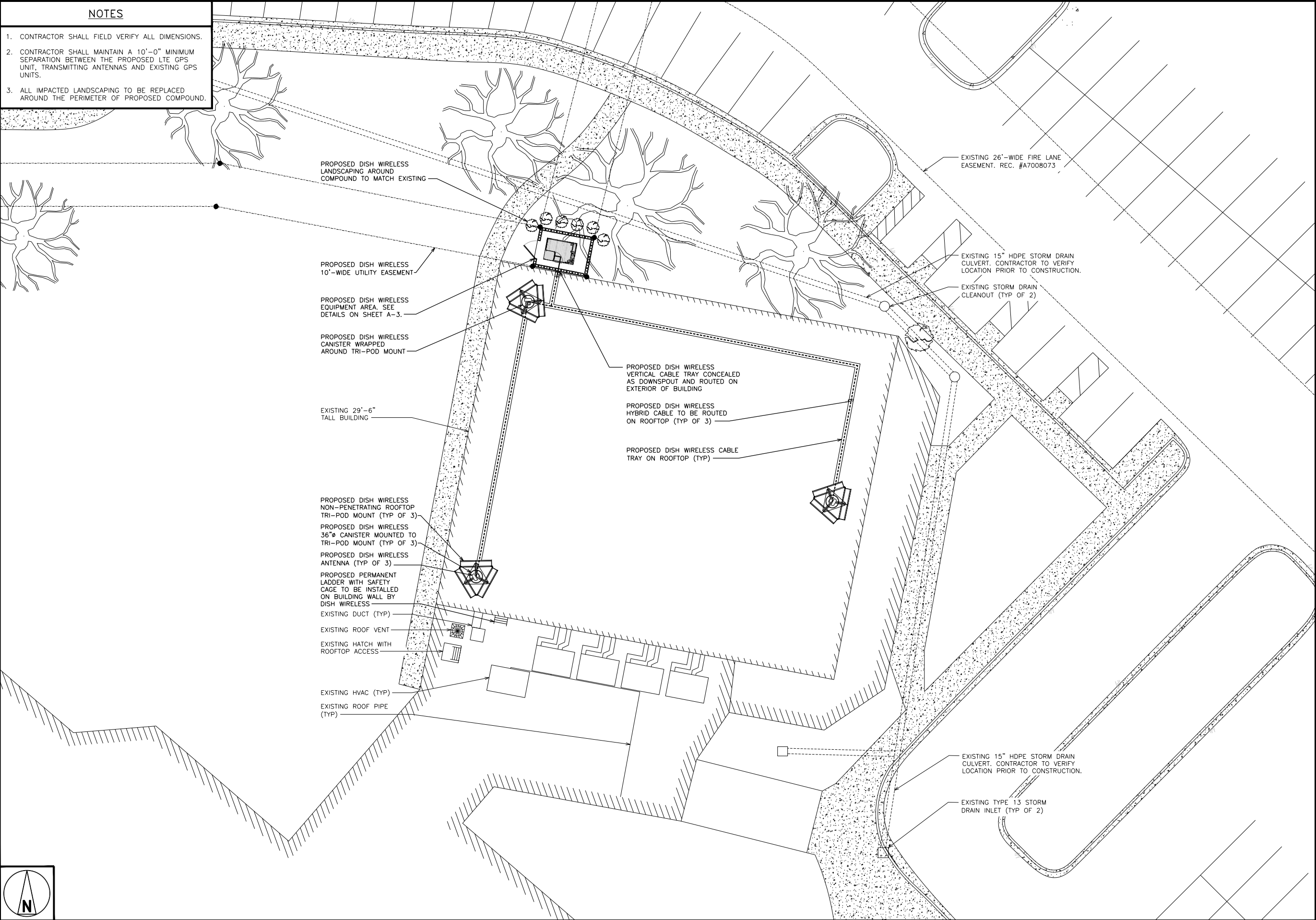
SHEET TITLE
OVERALL SITE PLAN

SHEET NUMBER
A-1



OVERALL SITE PLAN

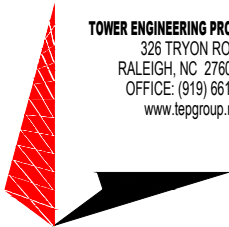




- NOTES**
- 1. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS.
 - 2. CONTRACTOR SHALL MAINTAIN A 10'-0" MINIMUM SEPARATION BETWEEN THE PROPOSED LTE GPS UNIT, TRANSMITTING ANTENNAS AND EXISTING GPS UNITS.
 - 3. ALL IMPACTED LANDSCAPING TO BE REPLACED AROUND THE PERIMETER OF PROPOSED COMPOUND.



5701 SOUTH SANTA FE DRIVE
LITTLETON, CO 80120



TOWER ENGINEERING PROFESSIONALS
326 TRYON ROAD
RALEIGH, NC 27603-3530
OFFICE: (919) 661-6351
www.tepgroup.net



IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

DRAWN BY: CHECKED BY: APPROVED BY:

BLB CSN ---

RFDS REV #: 001

**CONSTRUCTION
GENERAL INFORMATION**

SUBMITTALS		
REV	DATE	DESCRIPTION
A	09-28-20	ZONING
B	11-23-20	ZONING
C	01-26-21	ZONING

(VENDOR) PROJECT NUMBER
248231.436633

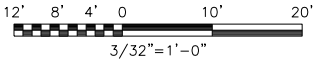
DISH WIRELESS PROJECT NUMBER
SITE ID:
DEN00150A
ADDRESS:
**3290 SOUTH TOWER ROAD
AURORA, CO 80013
(ARAPAHOE COUNTY)**

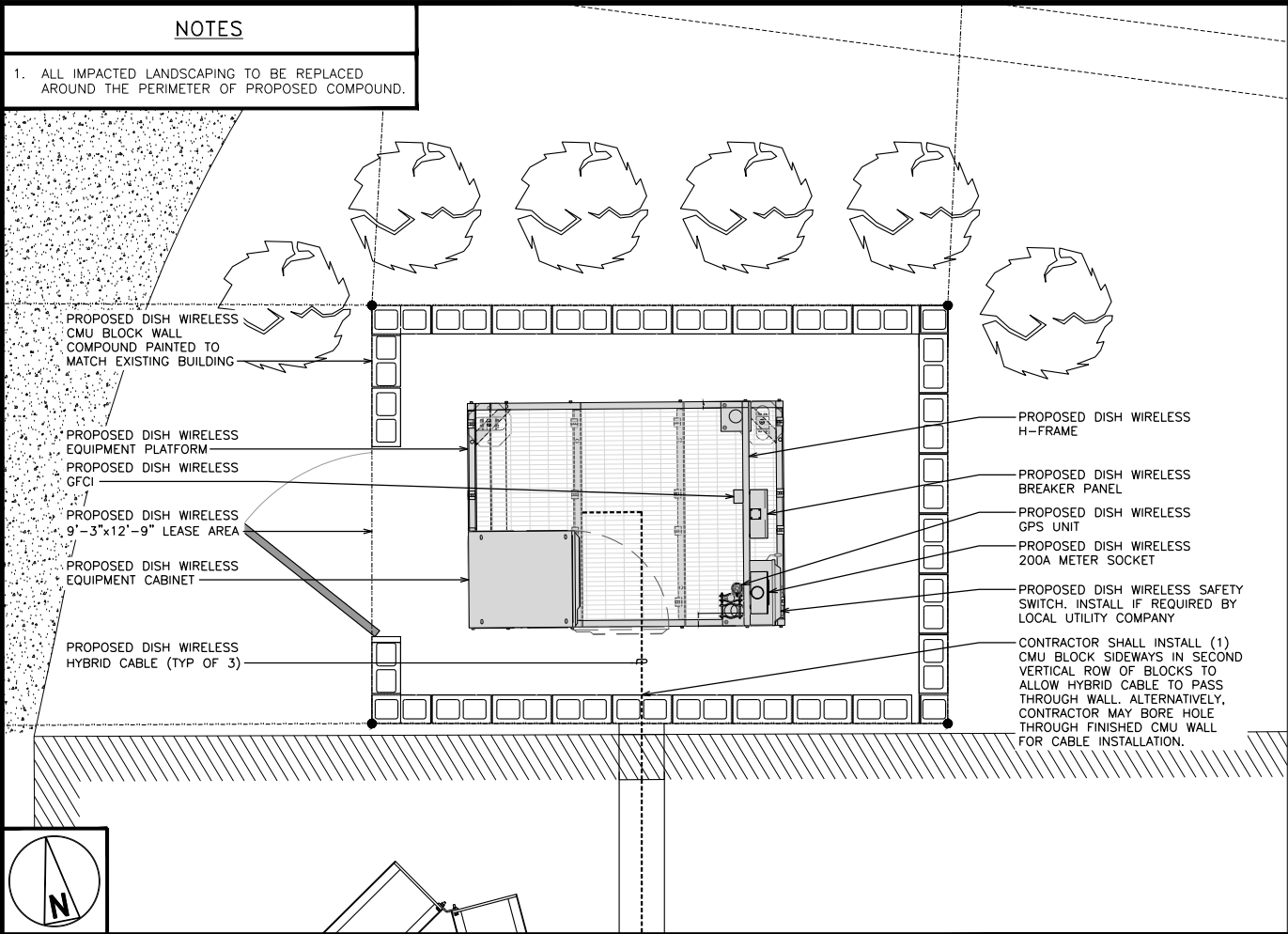
SHEET TITLE
ENLARGED SITE PLAN

SHEET NUMBER
A-2



ENLARGED SITE PLAN





EQUIPMENT COMPOUND DETAILS

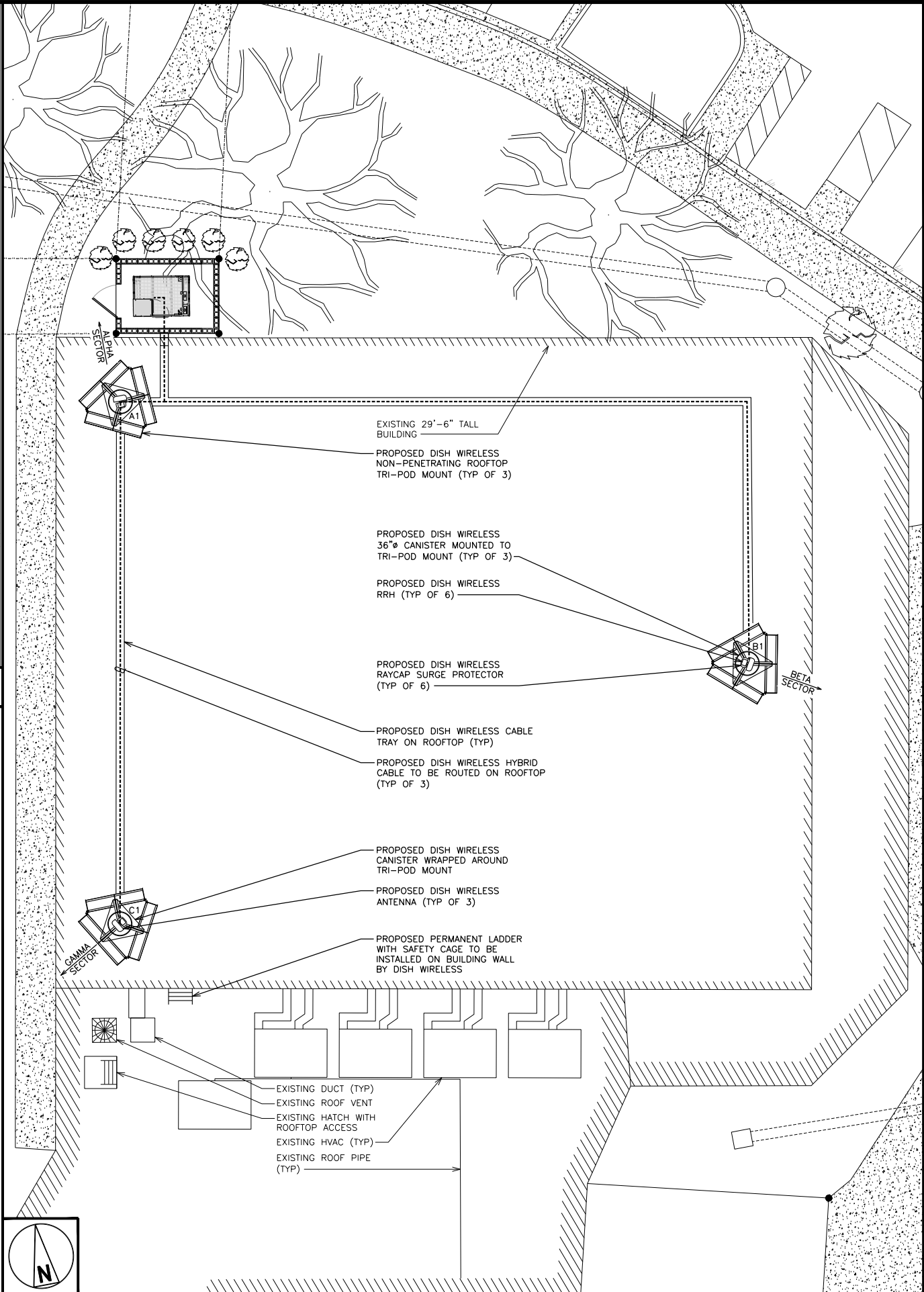
SECTOR	POSITION	EXISTING OR PROPOSED	ANTENNA					TRANSMISSION CABLE
			MANUFACTURER - MODEL NUMBER	TECHNOLOGY	SIZE (HxW)	AZMUTH	℄	
ALPHA	A1	PROPOSED	COMMSCOPE FFV4-65B-R6	5G	72.0" x 19.6"	0°	36'-6"	(3) 1 1/8" FIBER/HYBRID (125' LONG)
BETA	B1	PROPOSED	COMMSCOPE FFV4-65B-R6	5G	72.0" x 19.6"	120°	36'-6"	
GAMMA	C1	PROPOSED	COMMSCOPE FFV4-65B-R6	5G	72.0" x 19.6"	240°	36'-6"	

- NOTES**
1. CONTRACTOR TO REFER TO FINAL CONSTRUCTION RFDS FOR ALL RF DETAILS.
2. ANTENNA OR RRH MODELS MAY CHANGE DUE TO EQUIPMENT AVAILABILITY. ALL EQUIPMENT CHANGES MUST BE APPROVED AND REMAIN IN COMPLIANCE WITH THE PROPOSED DESIGN AND STRUCTURAL ANALYSES.

ANTENNA SCHEDULE

NO SCALE

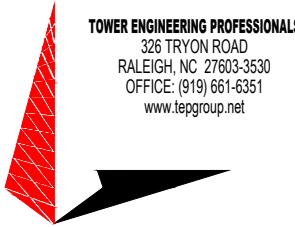
2



ANTENNA LAYOUT

dish
WIRELESS

5701 SOUTH SANTA FE DRIVE
LITTLETON, CO 80120



TOWER ENGINEERING PROFESSIONALS
326 TRYON ROAD
RALEIGH, NC 27603-3530
OFFICE: (919) 661-6351
www.tepgroup.net



IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

DRAWN BY: CHECKED BY: APPROVED BY:

BLB CSN ---

RFDS REV #: 001

**CONSTRUCTION
GENERAL INFORMATION**

SUBMITTALS		
REV	DATE	DESCRIPTION
A	09-28-20	ZONING
B	11-23-20	ZONING
C	01-26-21	ZONING

(VENDOR) PROJECT NUMBER
248231.436633

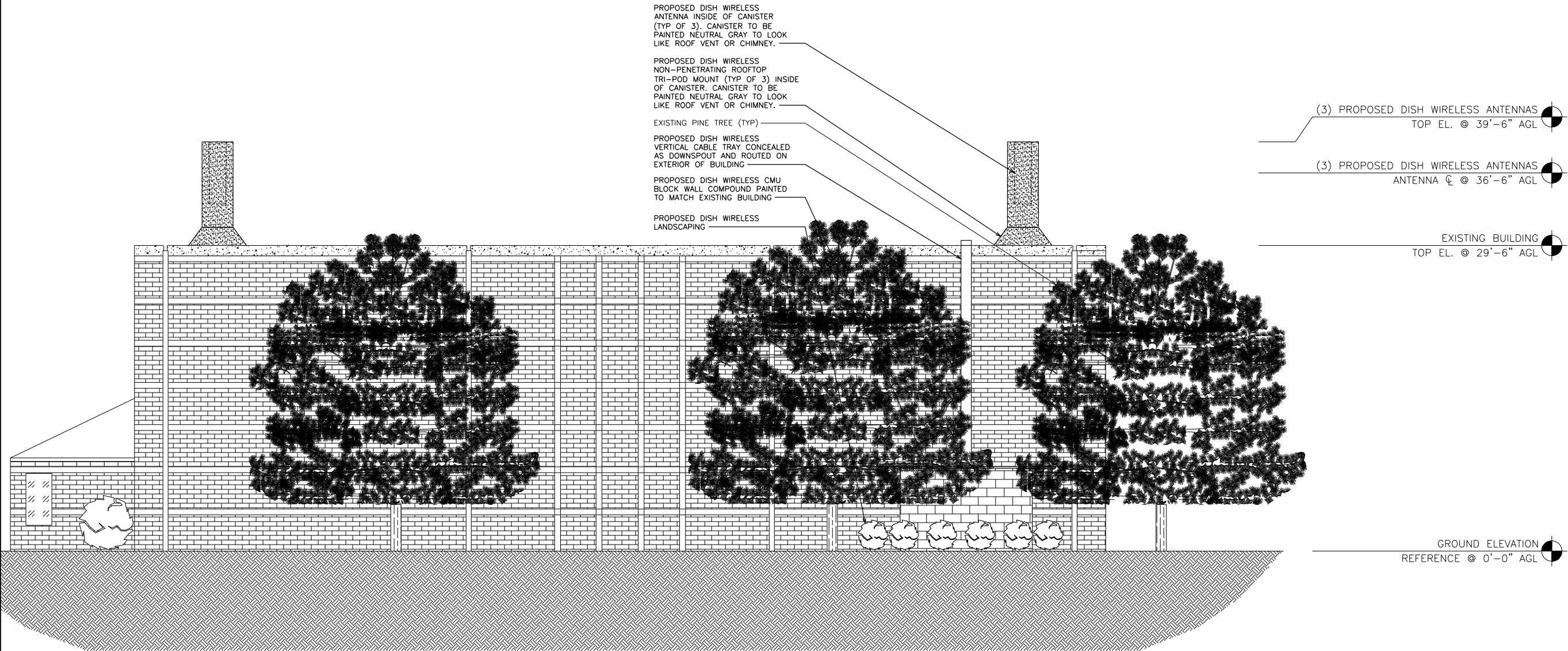
DISH WIRELESS PROJECT NUMBER
SITE ID:
DEN00150A
ADDRESS:
3290 SOUTH TOWER ROAD
AURORA, CO 80013
(ARAPAHOE COUNTY)

SHEET TITLE
EQUIPMENT DETAILS

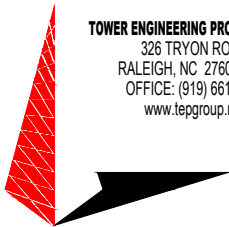
SHEET NUMBER
A-3

NOTES

1. ALL IMPACTED LANDSCAPING TO BE REPLACED AROUND THE PERIMETER OF PROPOSED COMPOUND.



5701 SOUTH SANTA FE DRIVE
LITTLETON, CO 80120



TOWER ENGINEERING PROFESSIONALS
326 TRYON ROAD
RALEIGH, NC 27603-3530
OFFICE: (919) 661-6351
www.tepgroup.net



IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

DRAWN BY: CHECKED BY: APPROVED BY:

BLB CSN ---

RFDS REV #: 001

CONSTRUCTION
GENERAL INFORMATION

SUBMITTALS		
REV	DATE	DESCRIPTION
A	09-28-20	ZONING
B	11-23-20	ZONING
C	01-26-21	ZONING

(VENDOR) PROJECT NUMBER
248231.436633

DISH WIRELESS PROJECT NUMBER
SITE ID:
DEN00150A
ADDRESS:
3290 SOUTH TOWER ROAD
AURORA, CO 80013
(ARAPAHOE COUNTY)

SHEET TITLE
BUILDING ELEVATION

SHEET NUMBER
A-4

NORTHWEST BUILDING ELEVATION

