

VICINITY MAP

A vicinity map of the project location in Aurora, Colorado. The map shows a grid of streets including E Montview Blvd, E 17th Ave, E 15th Pl, E 14th Dr, E 13th Ave, E 11th Ave, E 8th Ave, E 7th Ave, E 6th Ave, E 5th Ave, E 4th Ave, E 3rd Ave, E 2nd Ave, E Steamboat Ave, and E Breckenridge Ave. Major highways shown are I-225, I-70, and US-287. The project location is marked with a black dot at the intersection of E 11th Ave and E 13th Ave. Other landmarks include Apache Mesa Park, Hoops Park, Environmental Park, and Buckley Air National Guard Base. The map also shows the City Center and various other streets like Wheeling St, Yuba St, Zion St, Tower Rd, Olaf St, Pitkin St, Telluride St, and Vail Dr.

DRIVING DIRECTIONS

DRIVE TO DIRECTIONS AS FOLLOWS:

FROM INTERSECTION OF CO-21/N POWERS BLVD AND US-24 IN COLORADO SPRINGS, TAKE CO-21/N POWERS BLVD NORTH (3.2 MI) TO CAREFREE CIRCLE N. TAKE CAREFREE CIRCLE N EAST (0.4 MI) TO BLOOMINGTON STREET. TAKE BLOOMINGTON STREET (0.3 MI) TO SITE. SITE IS LOCATED ON SOUTH SIDE OF BLOOMINGTON STREET IN PARKING LOT.

CODE COMPLIANCE

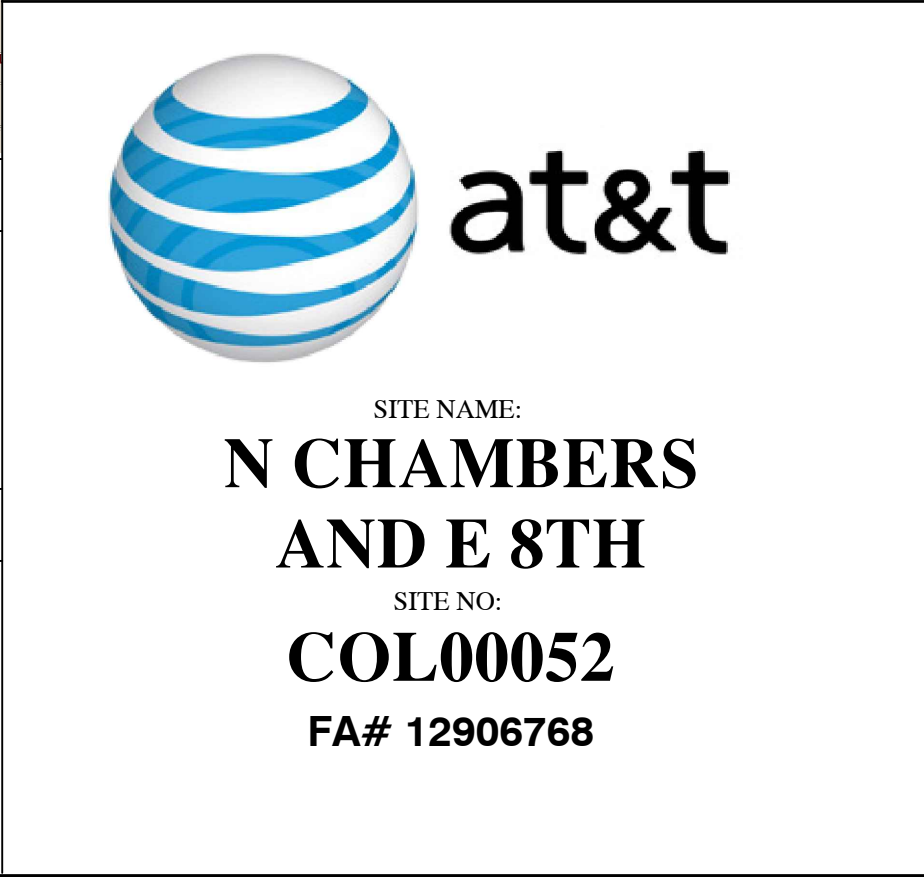
ALL WORK SHALL BE PERFORMED AND MATERIALS INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES.

1. 2015 SERIES OF ICC CODES
2. ANSI/TIA-222 REV G STRUCTURAL STANDARD
3. NFPA CODE 780 – LIGHTNING PROTECTION CODE
4. 2017 NATIONAL ELECTRICAL CODE

PROJECT INFORMATION


<u>PROJECT ADDRESS:</u>	750 N CHAMBERS ROAD AURORA, COLORADO 81008
<u>LESSOR:</u>	ADAMS-ARAPAHOE SCHOOL DISTRICT #28 1085 PEORIA STREET AURORA, COLORADO 80011
<u>STRUCTURAL INFORMATION:</u>	LATITUDE: 39° 43' 59.906" N (NAD 83) LONGITUDE: 104° 48' 30.432" W (NAD 83) GROUND ELEV: 5,434.19' AMSL OVERALL STRUCTURE HT: 100'-0" AGL TOWER HT: 95'-0" AGL ANTENNA CL: 76'-0" AGL
<u>UTILITY PROVIDERS:</u>	POWER: XCEL ENERGY (800) 895-2999 TELEPHONE: TBD
<u>ZONING JURISDICTION:</u>	CITY OF AURORA
<u>LESSEE:</u>	AT&T MOBILITY 188 INVERNESS DRIVE, SUITE 400 ENGLEWOOD, COLORADO 80112

APPROVALS		
AT&T RF	PHONE	DATE
AT&T OPERATIONS	PHONE	DATE
AT&T SITE AQ	PHONE	DATE
AT&T CONSTRUCTION	PHONE	DATE
PROPERTY OWNER/ OWNERS REP/LESSOR	PHONE	DATE

[illegible]


CONSULTING TEAM	
ENGINEER:	SSC, INC. 9900 WEST 109TH STREET, SUITE 300 OVERLAND PARK, KANSAS 66210 PHONE: (913) 438-7700 FAX: (913) 438-7777 M.L. OWENS - LEAD ENGINEER S.D. KEISLING - LEAD ELECTRICAL D.C. PELLAND - LEAD DESIGNER

PLANS PREPARED FOR:



at&t

PLANS PREPARED BY:



9900 West 109th Street, Suite 300
Overland Park, Kansas 66210
Phone: 913-438-7700
Fax: 913-438-7777

ENGINEERING LICENSE:

STATE OF COLORADO

STATE CERTIFICATE OF AUTHORIZATION #20041302439

ENGINEER:PE #:DISCIPLINE:

MLO MICHAEL L. OWENS43062STRUCTURAL/CIVIL SC

TMS TERRANCE M. SUPER36490ELECTRICALE

SDK SHELTON D. KEISLING049643ELECTRICALE

DRAWING NOTICE:

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SUBMITTALS

DESCRIPTION	DATE	BY	REV
ISSUED FOR ZONING	12/04/17	HEE	A

SITE NAME:

N CHAMBERS & E 8TH

SITE NUMBER:

COL00052

SITE ADDRESS:

750 N CHAMBERS ROAD
AURORA, COLORADO
81008

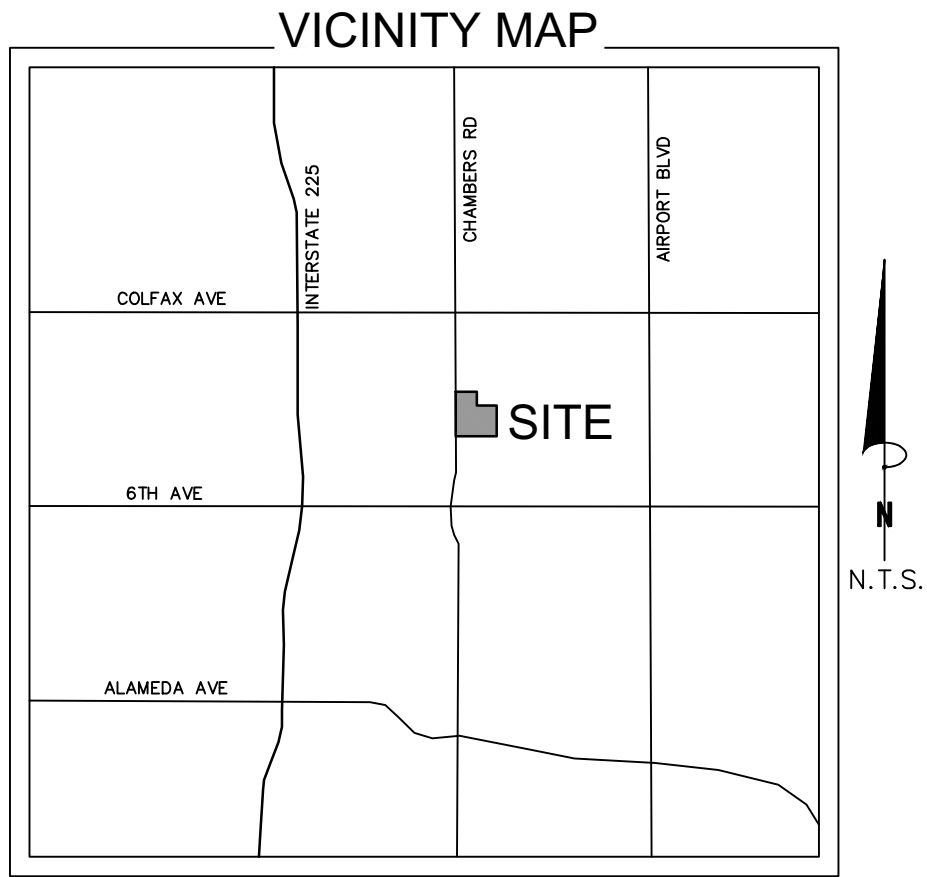
SHEET DESCRIPTION:

TITLE SHEET

SSC #:

SHEET NUMBER:

T-1.0



PROPERTY DESCRIPTION:

Beginning at a point 1628.64 feet South and 30 feet East of the Northwest corner of Section 5, Township 4 South, Range 66 West, thence East and parallel to the South Section line a distance of 609.0 feet to a point, thence South and parallel to the West Section line a distance of 250 feet to a point, thence East and parallel to the South Section line a distance of 684.26 feet to a point, thence South and parallel to the West Section line a distance of 893.76 feet to a point, thence West and parallel to the South Section line a distance of 1293.26 feet to a point, thence North and parallel to the West Section line a distance of 1143.76 feet to the Point Of Beginning, EXCEPT a strip of land 100 feet wide conveyed to The Northern Colorado Irrigation Company by deed recorded June 9, 1885 in Book 254 at Page 368 AND LESS AND EXCEPT that portion conveyed to the City of Aurora by Quit-Claim Deed recorded March 3, 1969 in Book 1801 at Page 461, AND LESS AND EXCEPT that portion conveyed to the City of Aurora by Quit Claim Deed recorded April 30, 1974 in Book 2233 at Page 47, AND LESS AND EXCEPT that portion conveyed to the City of Aurora by Quit Claim Deed recorded August 19, 1980 in Book 3265 at Page 324 and rerecorded September 16, 1980 in Book 3282 at Page 652 County of Arapahoe, State of Colorado.

Per that Vesting Deed recorded at Book 1273 Page 173 on July 19, 1961 in the Clerk and Records Office of Arapahoe County, Colorado.

PROPOSED EQUIPMENT LEASE AREA:

A portion of that parcel described in that Vesting Deed recorded at Book 1273, Page 173 on July 19, 1961 in the Clerk and Records Office of Arapahoe County, Colorado, being more particularly described as follows:

COMMENCING at a point on the east right-of-way line of Chambers Road, said point also being the southwest corner of said parcel, thence N89°22'45"E along the south line of said parcel (Bearings are based on Colorado State Plane, Central Zone(0502)) a distance of 378.40 feet to the POINT OF BEGINNING, thence N00°37'15"W leaving said south line, a distance of 16.00 feet; thence N89°22'45"E, a distance of 22.00 feet; thence S00°37'15"E, a distance of 16.00 feet to said south line; thence S89°22'45"W westerly along said south line, a distance of 22.00 feet to the POINT OF BEGINNING.

Containing 352 S.F. or 0.008 acres, more or less.

PROPOSED TOWER LEASE AREA:

A portion of that parcel described in that Vesting Deed recorded at Book 1273, Page 173 on July 19, 1961 in the Clerk and Records Office of Arapahoe County, Colorado, being more particularly described as follows:

COMMENCING at a point on the east right-of-way line of Chambers Road, said point also being the southwest corner of said parcel, thence N53°42'19"E (Bearings are based on Colorado State Plane, Central Zone(0502)) a distance of 467.25 feet to the POINT OF BEGINNING, thence N17°35'28"W, a distance of 12.00 feet; thence N72°24'32"E, a distance of 8.00 feet; thence S17°35'28"E, a distance of 12.00 feet; thence S72°24'32"W, a distance of 8.00 feet to the POINT OF BEGINNING.

Containing 96 S.F. or 0.002 acres, more or less.

PROPOSED ACCESS AND UTILITY EASEMENT:

A portion of that parcel described in that Vesting Deed recorded at Book 1273, Page 173 on July 19, 1961 in the Clerk and Records Office of Arapahoe County, Colorado, being more particularly described as follows:

BEGINNING at a point on the east right-of-way line of Chambers Road, said point also being the southwest corner of said parcel, thence northerly along said right-of-way line N00°37'15"W (Bearings are based on Colorado State Plane, Central Zone(0502)) a distance of 10.00 feet; thence N89°22'45"E leaving said right-of-way line, a distance of 40.07 feet; thence N00°50'50"W, a distance of 439.42 feet; thence S89°09'10"W, a distance of 38.33 feet to a point on said east right-of-way line; thence N00°37'15"W northerly along said right-of-way line, a distance of 20.00 feet; thence N89°09'10"E leaving said right-of-way line, a distance of 58.25 feet; thence S00°50'50"E, a distance of 449.50 feet; thence N89°22'45"E, a distance of 334.43 feet; thence N03°32'43"W, a distance of 253.41 feet; thence N72°24'32"E, a distance of 5.15 feet; thence S03°32'43"E, a distance of 258.93 feet; thence S89°22'45"W, a distance of 21.27 feet; thence S00°37'15"E, a distance of 16.00 feet to a point on the south line of said parcel; thence S89°22'45"W westerly along said south line, a distance of 378.40 feet to the POINT OF BEGINNING.

Containing 18,278 S.F. or 0.420 acres, more or less.

PROPOSED UTILITY EASEMENT:

A portion of that parcel described in that Vesting Deed recorded at Book 1273, Page 173 on July 19, 1961 in the Clerk and Records Office of Arapahoe County, Colorado, being more particularly described as follows:

COMMENCING at a point on the east right-of-way line of Chambers Road, said point also being the southwest corner of said parcel, thence along the south line of said parcel N89°22'45"E (Bearings are based on Colorado State Plane, Central Zone(0502)) a distance of 400.40 feet to the POINT OF BEGINNING, thence N00°37'15"W leaving said south line, a distance of 10.00 feet; thence N89°22'45"E, a distance of 98.02 feet; thence S00°37'15"E, a distance of 10.00 feet to said south line; thence S89°22'45"W westerly along said south line, a distance of 98.02 feet to the POINT OF BEGINNING.

Containing 980 S.F. or 0.023 acres, more or less.

SCHEDULE B2 EXCEPTIONS:

Item No.

- Water and Water rights, all ditch and ditch rights as conveyed by Warranty Deed recorded April 4, 1952 in Book 753 at Page 56, and any and all assignments thereof or interests therein.
-AFFECTS SURVEY AREA, BLANKET IN NATURE.
- Reservation of oil, gas and other minerals as reserved in Warranty Deed recorded April 2, 1956 in Book 961 at Page 62, and any and all assignments thereof or interests therein.
-AFFECTS SURVEY AREA, BLANKET IN NATURE.
- Terms, conditions, provisions, obligations, easements and agreements as set forth in the Contract recorded May 31, 1956 in Book 969 at Page 324.
-IS NOT ON, NOR TOUCH, SURVEY AREA.
- Any tax, lien, fee or assessment by reason of inclusion of subject property in the Sable Water District, as evidenced by instrument recorded July 17, 1964 in Book 1165 at Page 27 (Adams County records).
-AFFECTS SURVEY AREA, BLANKET IN NATURE.
- Notice Setting Forth Description of Area of Arapahoe County, Colorado Subject to Building Cods recorded October 7, 1963 at Reception No. 880751.
-AFFECTS SURVEY AREA, BLANKET IN NATURE.
- Ordinance 64-2, for Annexing a Tract of Land Situate in Arapahoe County, Colorado to the City of Aurora, recorded March 27, 1964 in Book 1506 at Page 525.
-AFFECTS SURVEY AREA, BLANKET IN NATURE.
- Terms, conditions, provisions, obligations and agreements as set forth in the License recorded October 27, 2003 at Reception No. B3233529.
-IS NOT ON, NOR TOUCH, SURVEY AREA.
- Terms, conditions, provisions, obligations and agreements as set forth in the Utility Easement recorded April 2, 2008 at Reception No. B8037809.
-AFFECTS SURVEY AREA, SHOWN HEREON.
- Terms, conditions, provisions, obligations and agreements as set forth in the Lease evidenced by Memorandum of Lease Agreement recorded June 23, 2015 at Reception No. D5065624.
-IS NOT ON, NOR TOUCH, SURVEY AREA.
- Terms, conditions, provisions, obligations and agreements as set forth in the Lease evidenced by Memorandum of Lease Agreement recorded July 1, 2015 at Reception No. D5071035.
-AFFECTS SURVEY AREA, NO MATHEMATICAL DESCRIPTION AVAILABLE, OR DESCRIPTION UNCLEAR.

Items not listed above are determined non-survey related items and are not plotted hereon.

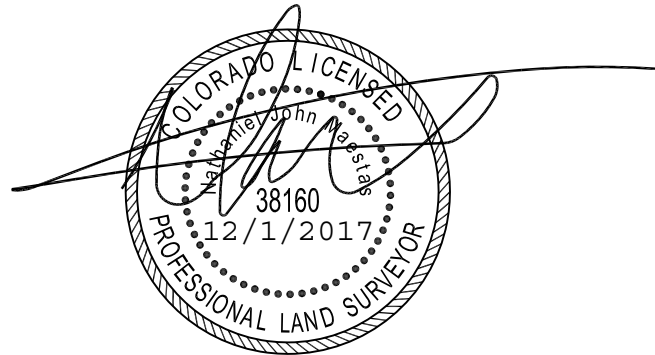
NOTES:

- This is a topographic map. This is not a boundary survey and is only intended to depict those topographic features or improvements shown. The property lines shown are record lines only and are shown for graphical reference only.
- Any underground utilities shown have been located from field survey information. The surveyor makes no guarantee that the underground utilities shown comprise all such utilities in the area, either in service or abandoned. The surveyor further does not warrant that the underground utilities shown are in the exact location indicated although he does certify that they are located as accurately as possible from the information available.
- FEDERAL EMERGENCY MANAGEMENT AGENCY, Flood Insurance Rate Map, Map Number 08005C0181K effective date 12/17/2010, indicates this parcel of land is located in Zone X (Areas outside of 0.2% annual chance flood plain).
- This survey does not constitute a title search by Clark Land Surveying, Inc. to determine ownership or easements of record. For all information regarding easements, rights of way and title of record, Clark Land Surveying, Inc. relied upon a Search Report, prepared by First American Title Insurance Company with an order number of NCS-869242-KCTY, dated September 27, 2017.
- Elevations are based on NAVD 88 datum.
- BENCHMARK: Chiseled Cross on Sidewalk, as shown. Elevation: 5430.73' (NAVD 88).
- BASIS OF BEARINGS: Bearings are based on Colorado State Plane, Central Zone(0502).
- Field work for this survey was completed on October 27, 2017.
- This site is zoned "R-O" (Low Density Single-Family Residential Districts) per City of Aurora Planning Department.
Building Setbacks:
Front: 25'
Side: 10'
Rear: 20'
- Site Address: 1200 Chambers Rd.
Aurora, Co. 80011

SURVEYOR'S STATEMENT:

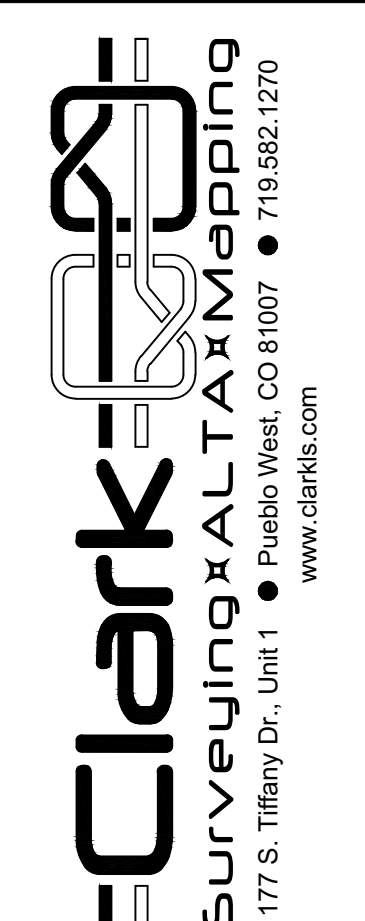
On the basis of my knowledge, information and belief, I hereby state and declare that this drawing was prepared under my direct supervision to the standard of care of surveyors practicing in the State of Colorado and that the information shown hereon is true and correct to the best of my knowledge and belief.

This statement is neither a warranty nor a guarantee, either expressed or implied.



Nathaniel J. Maestas
Colorado Professional Land Surveyor No. 38160
For and on behalf of Clark Land Surveying, Inc.

Notice: According to Colorado law you must commence any legal action based upon any defect in this survey within three years after you first discover such defect. In no event may any action based upon any defect in this survey be commenced more than ten years from the date of the certification shown hereon.

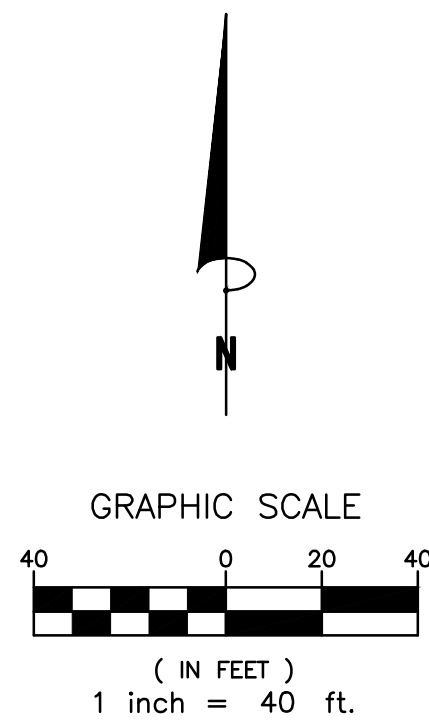


Revisions	Description		By	Date
	No.			

SITE NAME:
COL00052 Aurora CO

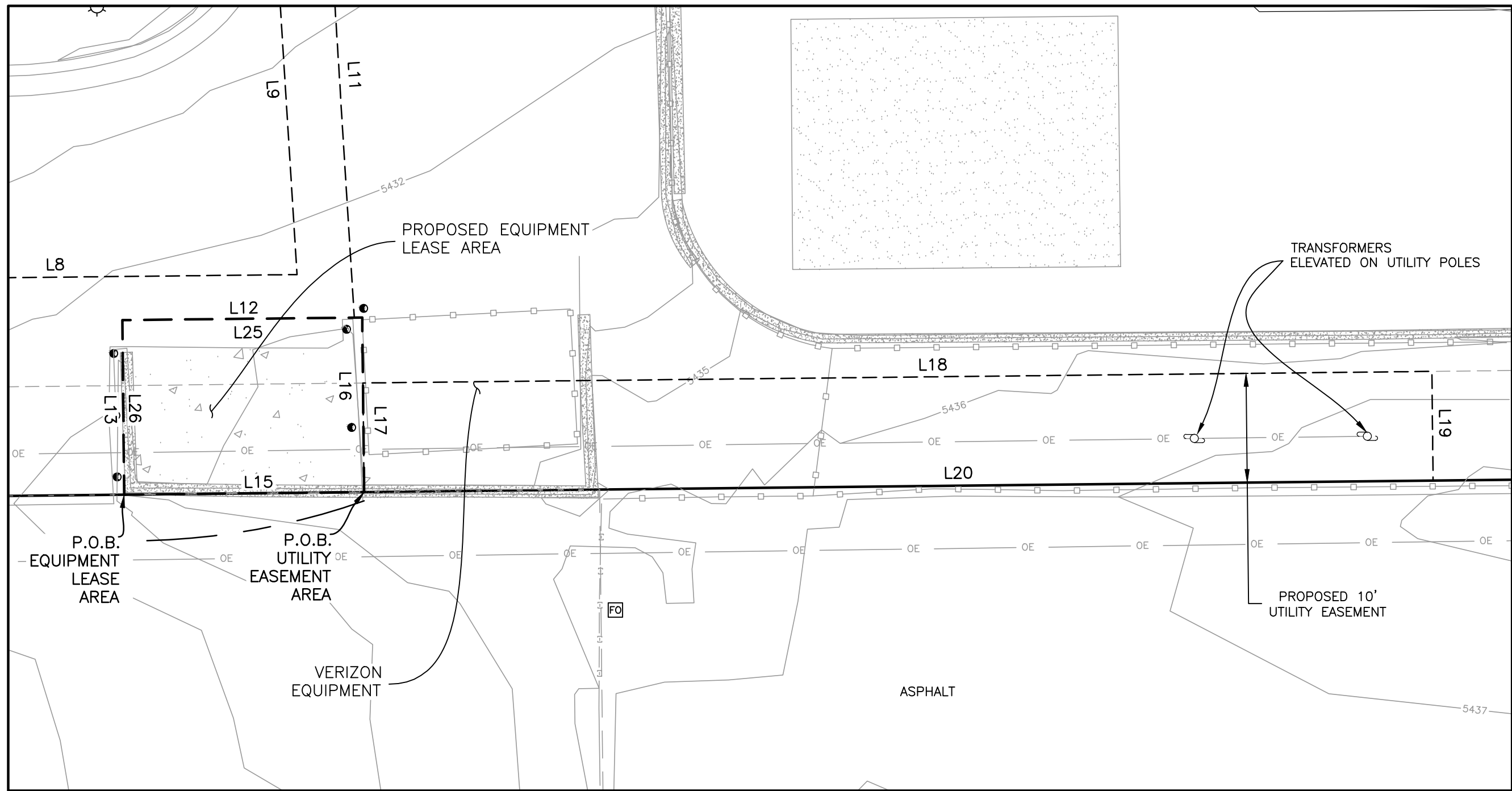
RAW LAND SURVEY A PORTION OF THE W1/2 OF SECTION 5, TOWNSHIP 4 SOUTH RANGE 66 WEST OF THE 6TH PRINCIPAL MERIDIAN CITY OF AURORA, ARAPAHOE COUNTY, COLORADO	170861	Drawn By: CME	Date: 12/1/2017
		Checked By: NJM	Sheet 1 of 2

Project No.

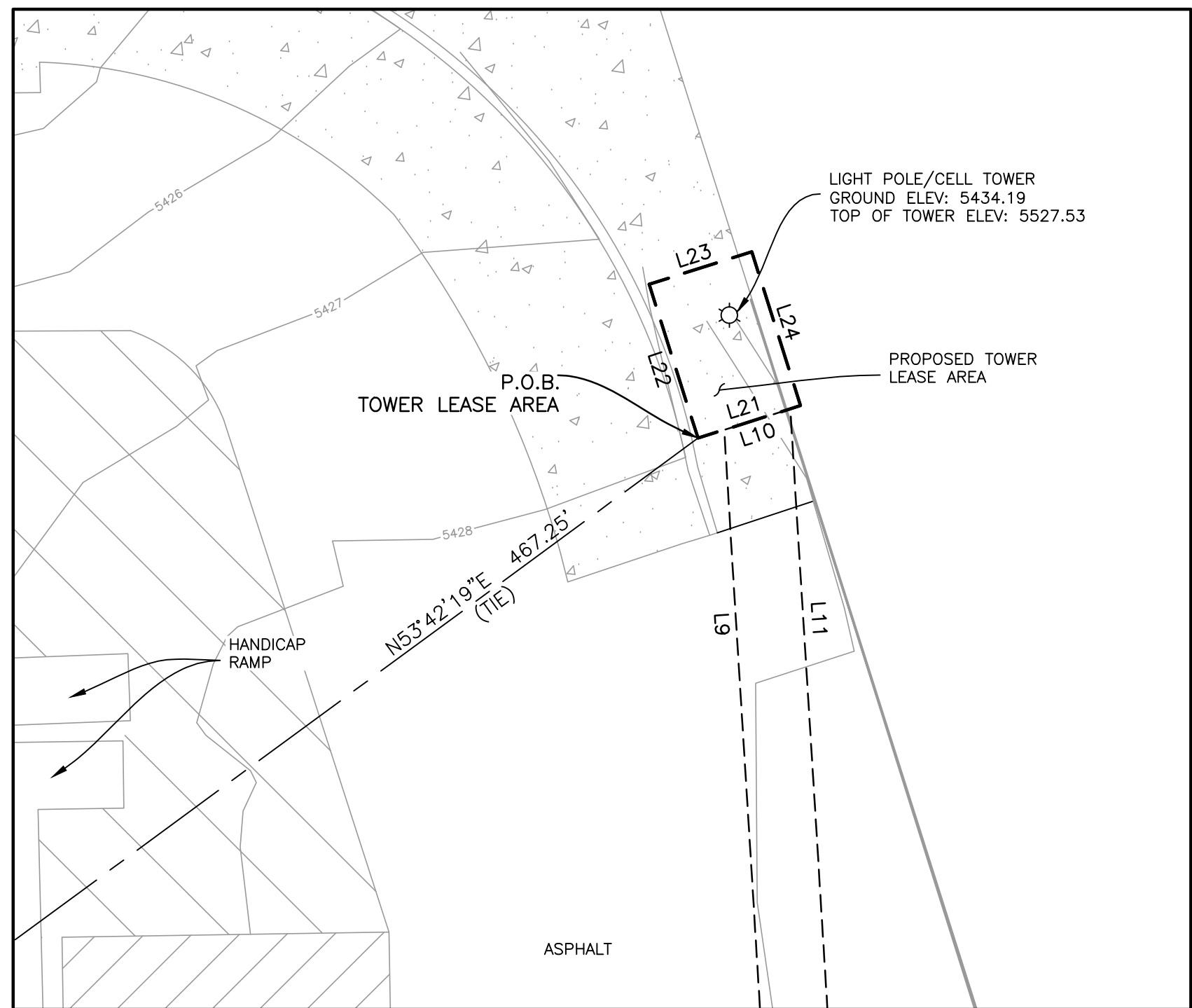


- LEGEND
- SITE BENCHMARK
 - SANITARY MANHOLE
 - STORM MANHOLE
 - STORM INLET (ROUND)
 - LIGHT POLE
 - UTILITY POLE
 - ELECTRIC VAULT
 - FIBEROPTIC PEDESTAL
 - FIBEROPTIC MARKER
 - FIBEROPTIC VAULT
 - A/C UNIT
 - HANDICAP PARKING
 - LANDSCAPED AREA
 - BOLLARD
 - SIGN
 - ELECTRIC LINE (OVERHEAD)
 - CHAIN LINK FENCE
 - CONCRETE AREA
 - GRAVEL AREA

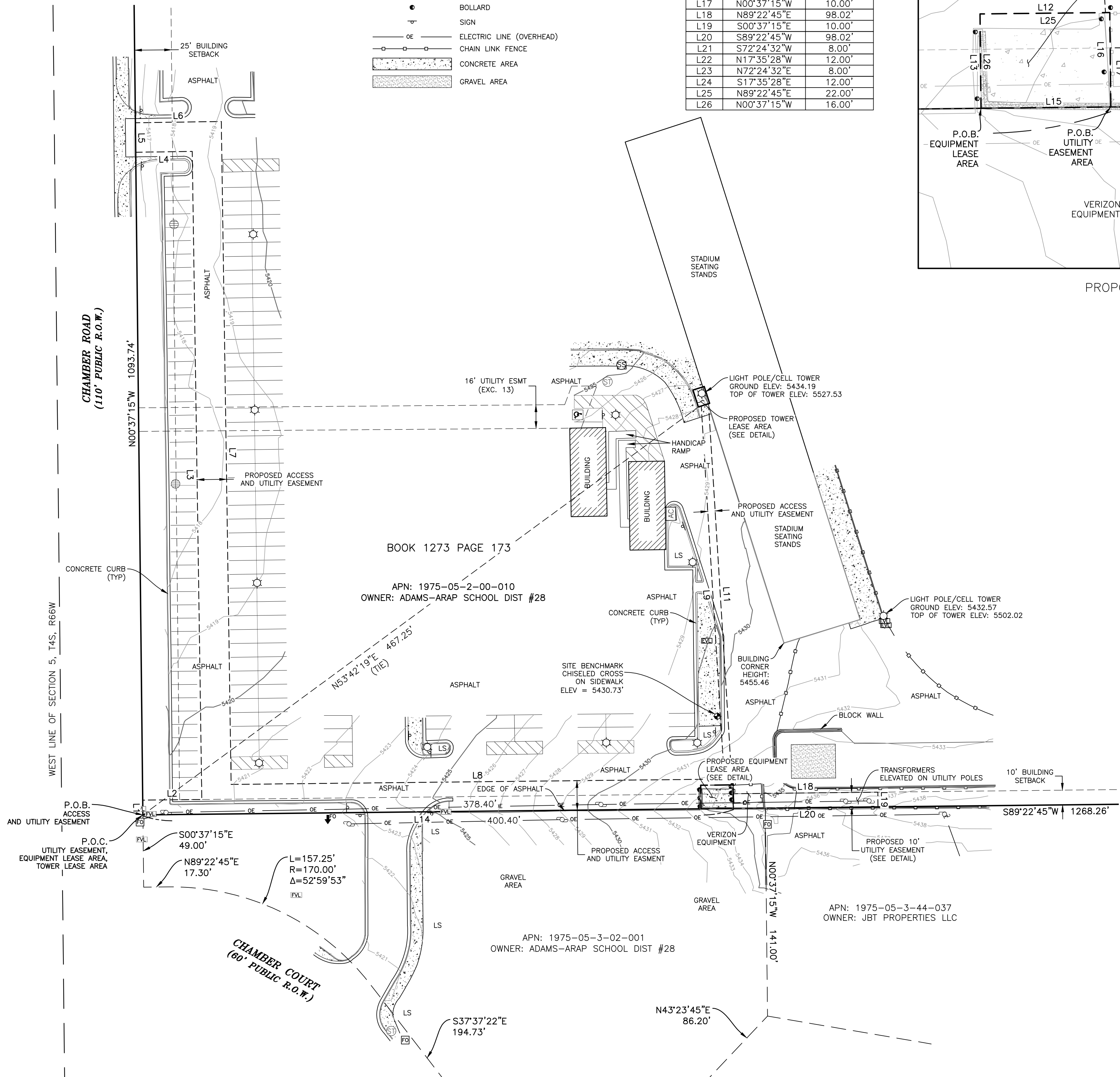
LINE	BEARING	DISTANCE
L1	N00°37'15"W	10.00'
L2	N89°22'45"E	40.07'
L3	N00°50'50"W	439.42'
L4	S89°09'10"W	38.33'
L5	N00°37'15"W	20.00'
L6	N89°09'10"E	58.25'
L7	S00°50'50"E	449.50'
L8	N89°22'45"E	334.43'
L9	N03°32'43"W	253.41'
L10	N72°24'32"E	5.15'
L11	S03°32'43"E	258.93'
L12	S89°22'45"W	21.27'
L13	S00°37'15"E	16.00'
L14	S89°22'45"W	378.40'
L15	S89°22'45"W	22.00'
L16	S00°37'15"E	16.00'
L17	N00°37'15"W	10.00'
L18	N89°22'45"E	98.02'
L19	S00°37'15"E	10.00'
L20	S89°22'45"W	98.02'
L21	S72°24'32"W	8.00'
L22	N17°35'28"W	12.00'
L23	N72°24'32"E	8.00'
L24	S17°35'28"E	12.00'
L25	N89°22'45"E	22.00'
L26	N00°37'15"W	16.00'



PROPOSED EQUIPMENT LEASE AREA AND PROPOSED UTILITY EASEMENT DETAIL
SCALE 1"=10'



PROPOSED TOWER LEASE AREA DETAIL
SCALE 1"=10'

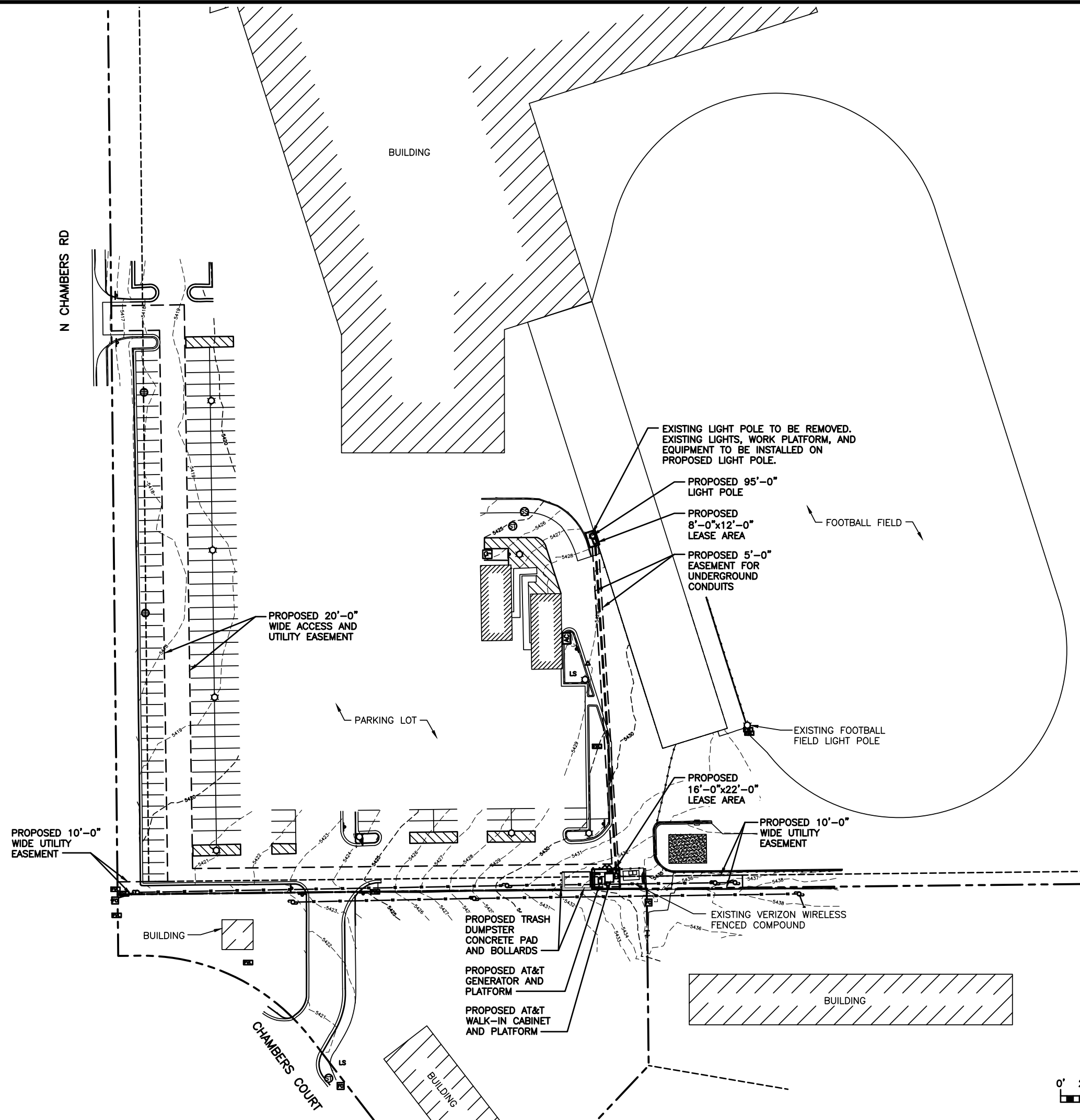


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Revisions		By		Date	
No.	Description				

SITE NAME:
COL00052 Aurora CO

RAW LAND SURVEY		A PORTION OF THE W1/2 OF SECTION 5, TOWNSHIP 4 SOUTH RANGE 66 WEST OF THE 6TH PRINCIPAL MERIDIAN CITY OF AURORA, ARAPAHOE COUNTY, COLORADO	
Project No.	170861	Drawn By: CME	Date: 12/1/2017
		Checked By: NJM	Sheet 2 of 2



OVERALL SITE PLAN

PLANS PREPARED FOR:



PLANS PREPARED BY:



ENGINEERING LICENSE:

STATE OF COLORADO
STATE CERTIFICATE OF AUTHORIZATION #20041302439
ENGINEER: MLO MICHAEL L. OWENS 43062 STRUCTURAL/CIVIL SC
TMS TERRANCE M. SUPER 36490 ELECTRICAL E
SDK SHELTON D. KEISLING 049643 ELECTRICAL E

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SUBMITTALS

ISSUED FOR ZONING	DESCRIPTION	DATE	BY	REV
		12/04/17	HEE	A

SITE NAME:

N CHAMBERS & E 8TH

SITE NUMBER:

COL00052

SITE ADDRESS:

750 N CHAMBERS ROAD
AURORA, COLORADO
81008

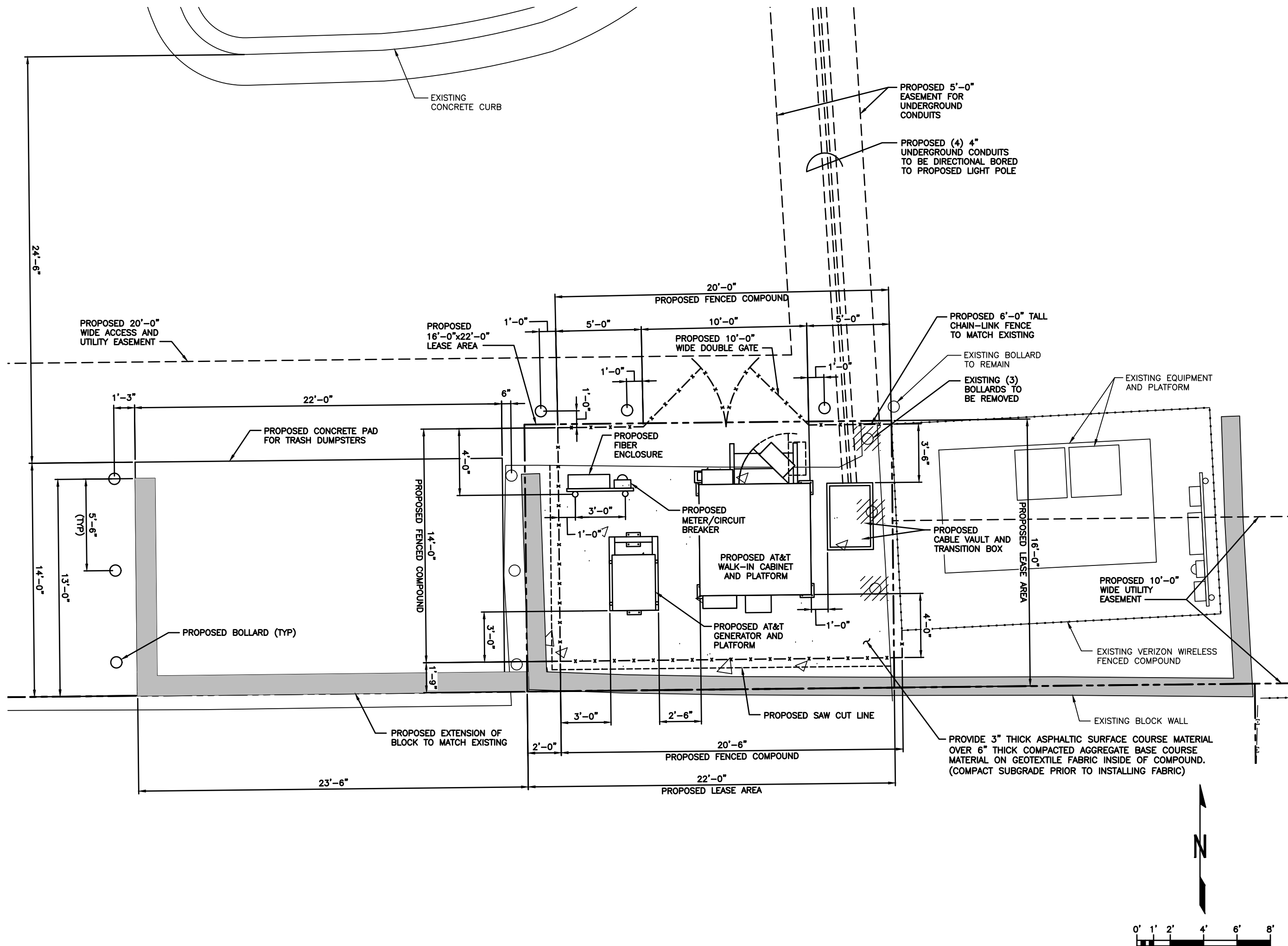
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OVERALL
SITE PLAN

SSC #:

SHEET NUMBER:

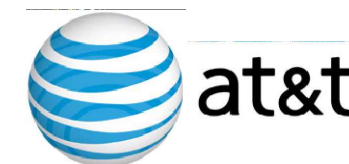
A-1.0



ENLARGED SITE PLAN (COMPOUND)

1

PLANS PREPARED FOR:



PLANS PREPARED BY:



ENGINEERING LICENSE:

STATE OF COLORADO
STATE CERTIFICATE OF AUTHORIZATION #20041302439
ENGINEER: PE #: DISCIPLINE:
MLO MICHAEL L. OWENS 43062 STRUCTURAL/CIVIL SC
TMS TERRANCE M. SUPER 36490 ELECTRICAL E
SDK SHELTON D. KEISLING 049643 ELECTRICAL E

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SUBMITTALS

ISSUED FOR ZONING	DESCRIPTION	DATE	BY	REV
		12/04/17	HEE	A

SITE NAME:

N CHAMBERS & E 8TH

SITE NUMBER:

COL00052

SITE ADDRESS:

750 N CHAMBERS ROAD
AURORA, COLORADO
81008

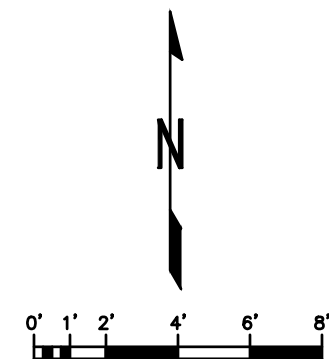
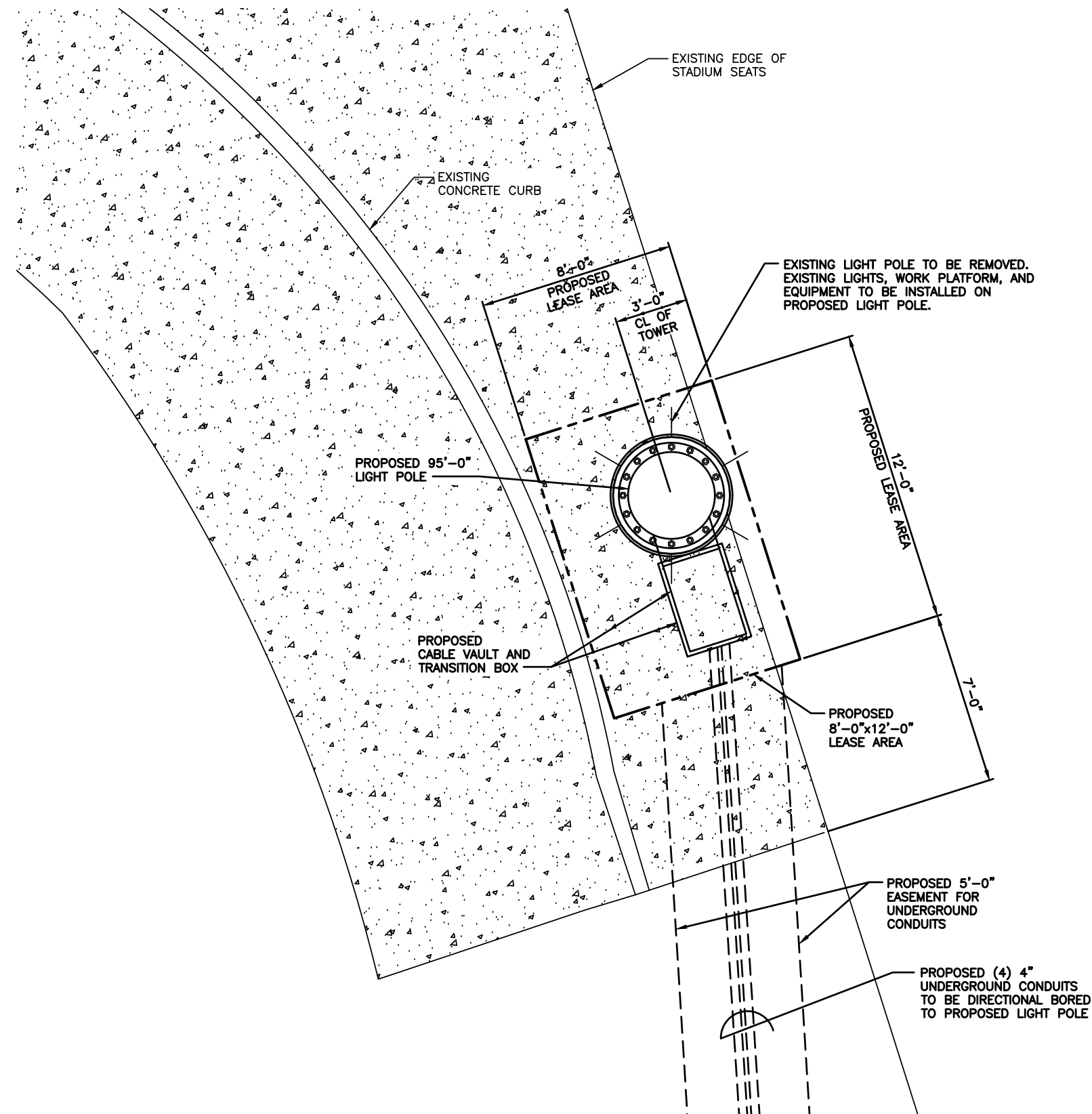
SHEET DESCRIPTION:

ENLARGED SITE
PLAN (COMPOUND)

SSC #:

SHEET NUMBER:

A-1.1



ENLARGED SITE PLAN (TOWER)

PLANS PREPARED FOR:



PLANS PREPARED BY:



9900 West 109th Street, Suite 300
Overland Park, Kansas 66210
Phone: 913-438-7700
Fax: 913-438-7777

ENGINEERING LICENSE:

STATE OF COLORADO
STATE CERTIFICATE OF AUTHORIZATION #20041302439
ENGINEER: PE #: DISCIPLINE:
MLO MICHAEL L. OWENS 43062 STRUCTURAL/CIVIL SC
TMS TERRANCE M. SUPER 36490 ELECTRICAL E
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SUBMITTALS

	DESCRIPTION	DATE	BY	REV
ISSUED FOR ZONING		12/04/17	HEE	A

SITE NAME:

N CHAMBERS & E 8TH

SITE NUMBER:

COL00052

SITE ADDRESS:

750 N CHAMBERS ROAD
AURORA, COLORADO
81008

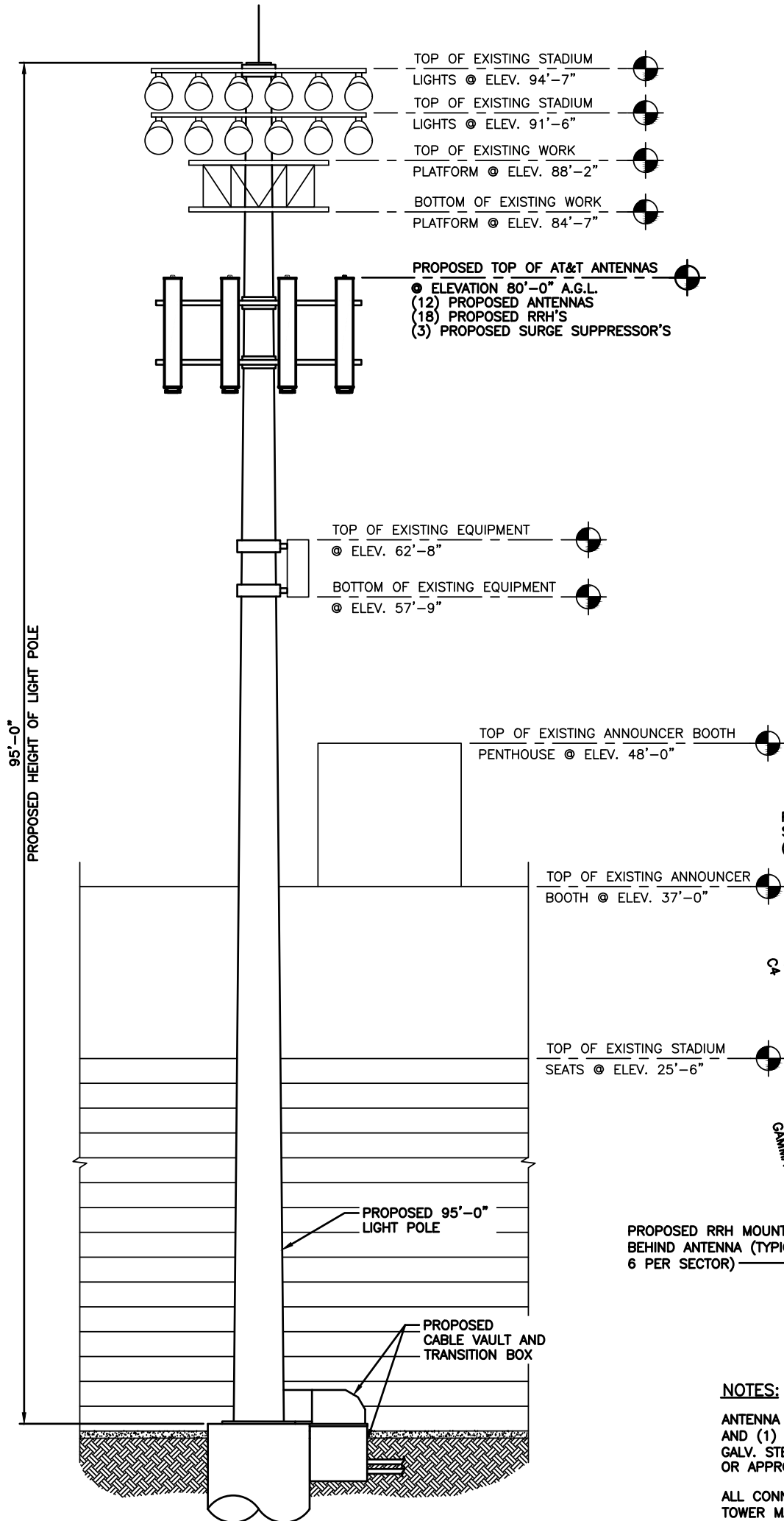
SHEET DESCRIPTION:

ENLARGED SITE
PLAN (TOWER)

SSC #:

SHEET NUMBER:

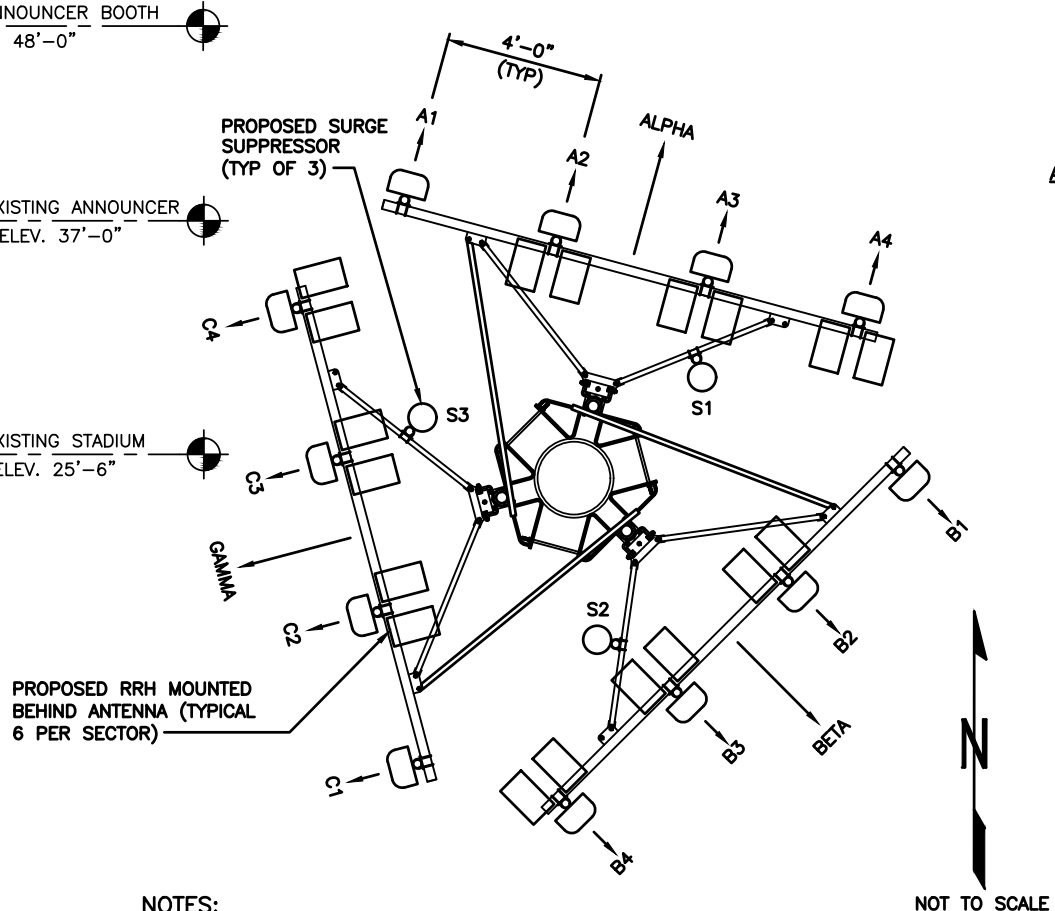
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TOWER ELEVATION

1. CONTRACTOR TO REFER TO FINAL RFDS FOR ALL RF DETAILS
2. RET CABLE TO BE RUN TO 1ST CARRIER LTE RRH, AND DAISY CHAINED TO ALL ACTIVE SECTOR ANTENNAS
3. REFER TO GENERAL NOTES FOR ANTENNA MOUNTING INFORMATION
4. DO NOT EXCEED 15' WIRE LENGTH FROM SURGE SUPPRESSOR TO RRH
5. MAINTAIN MINIMUM SEPARATION BETWEEN ALL EQUIPMENT

SECTOR	TYPE	TECHNOLOGY	SQUID NO.
A1	NEW	LTE	S1
A2	NEW	LTE	S1
A3	NEW	LTE	S1
A4	NEW	LTE	S1
B1	NEW	LTE	S2
B2	NEW	LTE	S2
B3	NEW	LTE	S2
B4	NEW	LTE	S2
C1	NEW	LTE	S3
C2	NEW	LTE	S3
C3	NEW	LTE	S3
C4	NEW	LTE	S3



NOTES:

ANTENNA CONTRACTOR SHALL FURNISH & INSTALL (3) HEAVY 5 SITE PRO 1 VFA12-RRU AND (1) MSFAA MONOPOLE SECTOR FRAME ATTACHMENT ASSEMBLY WITH (4) 2 3/8" GALV. STEEL PIPES 8'-0" LONG WITH CROSSOVER PLATES WITH HARDWARE PER SECTOR OR APPROVED EQUAL.

ALL CONNECTIONS FOR HANGERS, SUPPORTS, BRACING, ETC. SHALL BE INSTALLED PER TOWER MANUFACTURER'S STANDARD DETAILS.

ANTENNA LAYOUT

TOWER ELEVATION AND ANTENNA LAYOUT

NOTES

1. ALL MAIN CABLES WILL BE GROUNDED W/ COAXIAL CABLE GROUNDING KITS AT:
 - A. THE ANTENNA LEVEL
 - B. MID LEVEL IF TOWER IS OVER 200'
 - C. BASE OF TOWER PRIOR TO TURNING HORIZONTAL.
 - D. OUTSIDE THE EQUIPMENT SHELTER AT ENTRY PORT.
 - E. INSIDE THE EQUIPMENT SHELTER AT THE ENTRY PORT.
2. ALL PROPOSED GROUNDING BAR DOWNLEADS ARE TO BE TERMINATED TO THE EXISTING ADJACENT GROUNDING BAR DOWNLEADS A MINIMUM DISTANCE OF 4'-0" BELOW GROUNDING BAR. TERMINATIONS MAY BE EXOTHERMIC OR COMPRESSION.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ANTENNA AND THE COAX CONFIGURATION, MAKE AND MODELS, PRIOR TO INSTALLATION.
4. ANTENNA CONTRACTOR SHALL FURNISH AND INSTALL A 12'-6" ANTENNA SECTOR MOUNT, INCLUDING ALL HARDWARE.
5. ALL CONNECTIONS FOR HANGERS, SUPPORTS, BRACING, ETC. SHALL BE INSTALLED PER TOWER MANUFACTURER'S STANDARD DETAILS.
6. THE EXISTING TOWER IS CURRENTLY BEING ANALYZED BY OTHERS TO DETERMINE ITS STRUCTURAL CAPACITY TO CARRY THE PROPOSED NEW EQUIPMENT. THESE DRAWINGS HAVE BEEN CREATED BASED ON THE ASSUMPTION THE STRUCTURAL ANALYSIS WILL SHOW THAT THE TOWER HAS SUFFICIENT CAPACITY TO SUPPORT THE PROPOSED NEW LOADS. INSTALLATION OF THE COAX AND ANTENNAS SHALL NOT COMMENCE UNTIL AN APPROVED STRUCTURAL ANALYSIS HAS BEEN RECEIVED BY THE OWNER OR AT&T.
7. CONTRACTOR SHALL REFERENCE THE TOWER STRUCTURAL ANALYSIS/DESIGN DRAWINGS FOR DIRECTIONS ON CABLE DISTRIBUTION/ROUTING.

COAXIAL ANTENNA CABLE NOTES

1. TYPES AND SIZES OF THE ANTENNA CABLE ARE BASED ON ESTIMATED LENGTHS. PRIOR TO ORDERING CABLE, SUBCONTRACTOR SHALL VERIFY ACTUAL LENGTH BASED ON CONSTRUCTION LAYOUT AND NOTIFY THE PROJECT MANAGER IF ACTUAL LENGTHS EXCEED ESTIMATED LENGTHS.
2. CONTRACTOR SHALL VERIFY THE DOWN-TILT OF EACH ANTENNA WITH A DIGITAL LEVEL
3. CONTRACTOR TO CONFIRM COAX COLOR CODING PRIOR TO CONSTRUCTION. REFER TO "ANTENNA SYSTEM LABELING STANDARD" ND-00027 REFER TO THE LATEST VERSION.
4. ALL JUMPERS TO THE ANTENNAS FROM THE MAIN TRANSMISSION LINE WILL BE 1/2" DIA. LDF AND SHALL NOT EXCEED 6'-0".
5. ALL COAXIAL CABLE WILL BE SECURED TO THE DESIGNED SUPPORT STRUCTURE, IN AN APPROVED MANNER, AT DISTANCES NOT TO EXCEED 4'-0" OC.
6. CONTRACTOR MUST FOLLOW ALL MANUFACTURER'S RECOMMENDATIONS REGARDING BOTH THE INSTALLATION AND GROUNDING OF ALL COAXIAL CABLES, CONNECTORS, ANTENNAS, AND ALL OTHER EQUIPMENT.
7. WEATHERPROOF ALL ANTENNA CONNECTORS WITH SELF AMALGAMATING TAPE. WEATHERPROOFING SHALL BE COMPLETED IN STRICT ACCORDANCE WITH AT&T STANDARDS.

ANTENNA MOUNTING NOTES

1. DESIGN AND CONSTRUCTION OF ANTENNA SUPPORTS SHALL CONFORM TO CURRENT ANSI/NA-222 STANDARDS OR APPLICABLE LOCAL CODES.
2. ALL STEEL MATERIALS SHALL BE GALVANIZED AFTER FABRICATION IN ACCORDANCE WITH ASTM A123 "ZINC (HOT-DIP GALVANIZED) COATINGS ON IRON AND STEEL PRODUCTS". UNLESS OTHERWISE NOTED.
3. ALL BOLTS, ANCHORS AND MISCELLANEOUS HARDWARE SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A153 "ZINC-COATING (HOT-DIP) ON IRON AND STEEL HARDWARE", UNLESS OTHERWISE NOTED.
4. DAMAGED GALVANIZED SURFACES SHALL BE REPAIRED BY COLD GALVANIZING IN ACCORDANCE WITH ASTM A780.
5. ALL ANTENNA MOUNTS SHALL BE INSTALLED WITH LOCK NUTS, DOUBLE NUTS AND SHALL BE TORQUED TO MANUFACTURER'S RECOMMENDATIONS.
6. ANTENNA CONTRACTOR SHALL ENSURE ALL ANTENNA MOUNTING PIPES ARE PLUMB AND LEVEL
7. MULTI PORT ANTENNAS: TERMINATE UNUSED ANTENNA PORTS WITH CONNECTOR CAP & WEATHERPROOF THOROUGHLY. JUMPERS FROM THE TMA'S MUST TERMINATE TO OPPOSITE POLARIZATION'S IN EACH SECTOR.
8. CONTRACTOR SHALL RECORD THE SERIAL #, SECTOR, AND POSITION OF EACH ACTUATOR INSTALLED AT THE ANTENNAS AND PROVIDE THE DOCUMENTATION TO AT&T.
9. CONTRACTOR SHALL INSTALL ANTENNA PER MANUFACTURER'S RECOMMENDATION FOR INSTALLATION AND GROUNDING.

EQUIPMENT LIST

Existing or Proposed	Equipment Description	Qty	Number	Location
P	Alpha Sector Antennas	4	A1, A2, A3, A4	Sheet A-2.0
P	Beta Sector Antennas	4	B1, B2, B3, B4	Sheet A-2.0
P	Gamma Sector Antennas	4	C1, C2, C3, C4	Sheet A-2.0
P	Alpha Sector RRH	6	Quantity noted at each sector	Sheet A-2.0
P	Beta Sector RRH	6	Quantity noted at each sector	Sheet A-2.0
P	Gamma Sector RRH	6	Quantity noted at each sector	Sheet A-2.0
P	Surge Suppressors	3	Quantity noted at each sector (1 per sector)	Sheet A-2.0
P	Walk-In Cabinet	1	Quantity total of 1	Sheets A-1.0 & A-1.1
P	Walk-In Cabinet Platform	1	Quantity total of 1	Sheets A-1.0 & A-1.1
P	Generator	1	Quantity total of 1	Sheets A-1.0 & A-1.1
P	Generator Platform	1	Quantity total of 1	Sheets A-1.0 & A-1.1

PLANS PREPARED FOR:



PLANS PREPARED BY:



ENGINEERING LICENSE:

STATE OF COLORADO
STATE CERTIFICATE OF AUTHORIZATION #20041302439
ENGINEER: PE #: DISCIPLINE:
MLO MICHAEL L. OWENS 43062 STRUCTURAL/CIVIL SC
TMS TERRANCE M. SUPER 36490 ELECTRICAL E
SDK SHELTON D. KEISLING 049643 ELECTRICAL E

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SUBMITTALS

	DESCRIPTION	DATE	BY	REV
ISSUED FOR ZONING		12/04/17	HEE	A

SITE NAME:

N CHAMBERS & E 8TH

SITE NUMBER:

COL00052

SITE ADDRESS:

750 N CHAMBERS ROAD
AURORA, COLORADO
81008

SHEET DESCRIPTION:

TOWER ELEVATION &
ANTENNA LAYOUT

SSC #:

SHEET NUMBER:

A-2.0