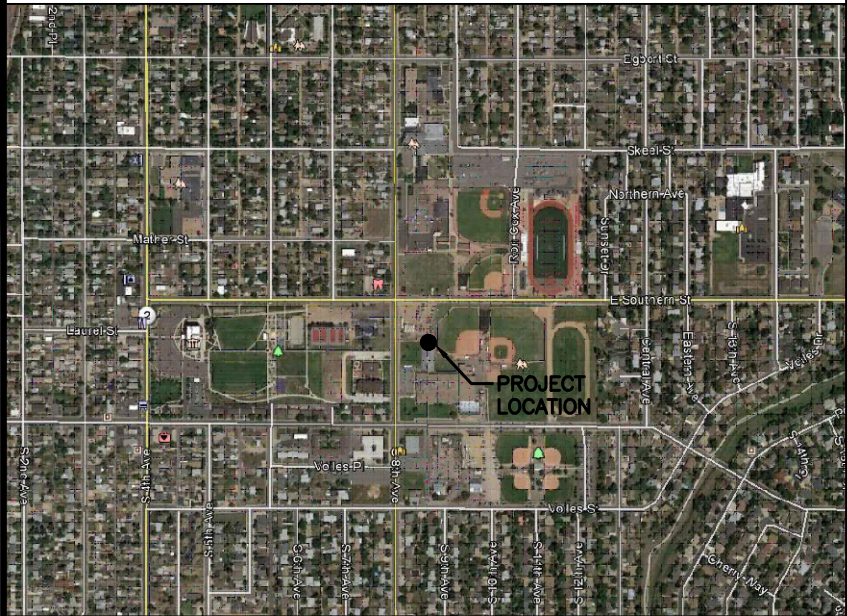
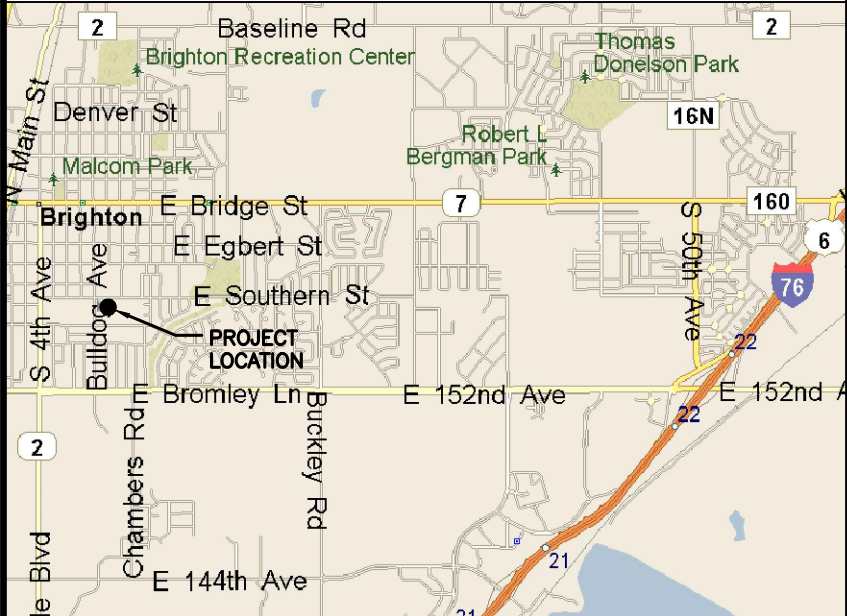


AERIAL VIEW



VICINITY MAP



DRIVING DIRECTIONS

DRIVE TO DIRECTIONS AS FOLLOWS:

FROM INTERSECTION OF US-85 N AND US-470 IN BRIGHTON, TAKE US-85 N TOWARD E 132ND AVE (2.8 MI) TO W BROMLEY LN. TURN RIGHT ONTO W BROMLEY LANE THEN IMMEDIATELY TURN LEFT ONTO S MAIN ST (0.5 MI). TURN RIGHT ONTO W JESSUP ST (230 FT). ROAD NAME CHANGES TO JESSUP ST (0.6 MI). TURN LEFT ONTO BULLDOG AVE (0.1 MI). TURN RIGHT ONTO E SOUTHERN ST (233 FT) TO SITE. SITE IS LOCATED ON SOUTH SIDE OF E SOUTHERN ST.

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. 2012 SERIES OF ICC CODES
2. ANSI/TIA-222 REV G STRUCTURAL STANDARD
3. NFPA CODE 780 — LIGHTNING PROTECTION CODE
4. 2011 NATIONAL ELECTRICAL CODE

1. 2012 SERIES OF ICC CODES
2. ANSI/TIA-222 REV G STRUCTURAL STANDARD
3. NFPA CODE 780 – LIGHTNING PROTECTION CODE
4. 2011 NATIONAL ELECTRICAL CODE

PROJECT INFORMATION

<u>PROJECT ADDRESS:</u>	S 8TH AVE. & E SOUTHERN ST. BRIGHTON, COLORADO 80601
<u>LESSOR:</u>	SCHOOL DISTRICT 27-J 849 BUSH STREET BRIGHTON, COLORADO 80601

<u>STRUCTURAL</u> <u>INFORMATION:</u>	LATITUDE:	39° 58' 42.27" N (NAD 83)
	LONGITUDE:	104° 48' 30.6" W (NAD 83)
	GROUND ELEV:	4988' AMSL
	OVERALL	
	STRUCTURE HT:	75'-0" AGL
	TOWER HT:	74'-0" AGL
	ANTENNA CL:	70'-0" AGL

OVERALL	
STRUCTURE HT:	75'-0" AGL
TOWER HT:	74'-0" AGL
ANTENNA CL:	70'-0" AGL

<u>UTILITY PROVIDERS:</u>	POWER:	UNITED POWER (800) 468-8809
	TELEPHONE:	ZAYO (866) 364-6033

ZONING <u>JURISDICTION:</u>	TELEPHONE: ZAYO (866) 364-6033 CITY OF BRIGHTON
--------------------------------	---

<u>LESSEE:</u>	AT&T MOBILITY 188 INVERNESS DRIVE, SUITE 400 ENGLEWOOD, COLORADO 80112
----------------	--

LESSEE: AT&T MOBILITY
188 INVERNESS DRIVE, SUITE 400
ENGLEWOOD, COLORADO 80112

SCOPE OF WORK	

SCOPE OF WORK

NSB RAWLAND INSTALLATION (LIGHT POLE REPLACEMENT) INSTALL NEW MONOPOLE WITH RELATED SECTOR FRAMES, ANTENNAS AND RRH'S. REINSTALL EXISTING STADIUM LIGHTS WITH ELECTRICAL WIRING. INSTALLATION OF NEW FENCED SITE COMPOUND WITH WALK-IN CABINET AND FOUNDATION. ASSOCIATED POWER AND FIBER INSTALLATION INCLUDED PER COORDINATION WITH LOCAL UTILITY PROVIDERS.

☒ LTE 1C ☒ LTE 2C ☒ LTE 3C ☒ LTE 4C ☒ LTE 5C ☒ LTE 6C ☒ LTE 7C



RON COX FIELD

SITE NO:
COU5344

FA# 12734403

USID#141886

DRAWING INDEX

[illegible]

CONSULTING TEAM

ENGINEER: SSC, INC.
7171 WEST 95TH STREET, SUITE 600
OVERLAND PARK, KANSAS 66212
PHONE: (913) 438-7700
FAX: (913) 438-7777

K. VANMAELE - LEAD ENGINEER
S.D. KEISLING - LEAD ELECTRICAL
R.E. SOUTHERN - LEAD DESIGNER

--

--

PLANS PREPARED FOR:



PLANS PREPARED BY:

 4155 E. Jewell Avenue, Suite 414
Denver, Colorado 80222
Phone: 303-593-2618
Fax: 913-438-7777

SSC

ENGINEERING LICENSE: _____			
STATE OF <u>COLORADO</u>			
STATE CERTIFICATE OF AUTHORIZATION # 20041302439			
ENGINEER:	PE#:	DISCIPLINE:	
KV KEVIN VANMAELE	PE 0053946	STRUCTURAL/CIVIL SC	
TMS TERRANCE M. SUPER	36490	ELECTRICAL	mm
SDK SHELTON D. KEISLING	49643	ELECTRICAL	

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SUBMITTALS		DESCRIPTION	DATE	BY	REV
	ISSUED FOR ZONING		02/07/18	RES	A
	RE-ISSUED FOR ZONING		03/02/18	RES	B
	RE-ISSUED FOR ZONING		03/06/18	RES	C
	RE-ISSUED FOR ZONING		05/17/18	KLL	D
	REWESED PER CLIENT COMMENTS		07/18/18	DDS	E

SITE NAME: **RON COX FIELD**

SITE NUMBER: COU5344

S. 8TH AVE & E.
SOUTHERN ST.
BRIGHTON, CO 80601

SHEET DESCRIPTION:

TITLE SHEET

SSC #: SHEET NUMBER: T-1

SURVEYOR'S CERTIFICATE

I, Robert Daley, do hereby certify only to Selective Site Consultants, that on December 6, 2017, a topographic survey was conducted under my supervision using the normal standard of care of Professional Land Surveyors and the map hereon accurately represents said survey, to the best of my knowledge.

This drawing does not represent a Land Survey, Land Survey Plat, Improvement Land Survey Plat or Improvement Location Certificate and any monuments or boundary lines shown are for information only and are not to be relied on.

This survey relied upon First American Title Insurance Company Commitment No.: 5509-2958257 for legal descriptions and easements.

This survey does not constitute a title search by this surveyor or Daley Land Surveying, Inc. of the property shown and described hereon to determine:

1. Ownership of this tract of land.
2. Rights-of-way, easements and encumbrances recorded or unrecorded affecting this tract of land.
3. Compatibility of this description with those of adjacent tracts of land.

Job No. 1708-001
For and on behalf of
Daley Land Surveying, Inc.
17011 Lincoln Ave., #361
Parker CO. 80134
303 953 9841
Robert Daley, PLS 35597

BASIS OF BEARINGS:

The bearings shown on this survey are referenced to the North line of the Southeast Quarter of Section 7, Township 1 South, Range 66 West, assumed to bear North 89°10'00" West, 2639.70 feet (North 89°10'00" West per deed Reception No. 662340), monumented as shown hereon.

COORDINATE SYSTEM AND DATUM:

Horizontal coordinates are referenced to NAD83, Vertical datum is NAVD88 and originates from the local C.O.R.S. network, utilizing the Geoid12A model.

UTILITIES:

The utilities which are readily visible upon the ground, such as manholes, power and light poles, inlets, etc. were located by field surveys and shown hereon. Sub-surface utilities, if shown, are the result of field surveys of utility location marks provided by others.

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.

LEGAL DESCRIPTION PARENT TRACT:

Per Commitment No.: 5509-2958257 Effective Date: October 11, 2017 at 5:00 P.M., First American Title Insurance Company.

The land referred to in Schedule A is situated in the County of Adams, State of Colorado and is described as follows:

Parcel A:

A parcel of land in the SE1/4 of Section 7 and the SW1/4 of Section 8, Township 1 South, Range 66 West of the 6th P.M., Adams County, Colorado, described as: Beginning at a point on the West Line of the SW1/4 of said Section 8 from which point the West Quarter-Corner of said Section 8 bears north a distance of 24.75 feet; thence N 89°57'30" E parallel to the North Line of said SW1/4 a distance of 228.00 feet; thence south parallel to the West Line of said SW1/4 a distance of 1285.32 feet, more or less, to a point on the South Line of the NW1/4 of the SW1/4 of said Section 8; thence N 89°51' W along the South Line of the NW1/4 of the SW1/4 of said Section 8 a distance of 228.00 feet to the SW Corner of the NW1/4 of the SW1/4 of said Section 8; thence N 89°24' W along the South Line of the NE1/4 of the SE1/4 of said Section 7 a distance of 1019.00 feet, more or less, to a point on the east r.o.w. line of South 8th Avenue as deeded to the City of Brighton; thence north along the east r.o.w. line of said South 8th Avenue a distance of 659.82 feet, more or less, to a point on a line which is parallel to and 653.50 feet south of the North Line of the SE1/4 of said Section 7; thence S 89°10' E parallel to the North Line of said SE1/4 a distance of 298.30 feet; thence north parallel to the East Line of said SE1/4 a distance of 628.75 feet to a point on a line parallel to and 24.75 feet south of the North Line of the SE1/4 of said Section 7; thence S 89°10' E parallel to the North Line of said SE1/4 a distance of 720.70 feet, more or less, to the Point of Beginning.

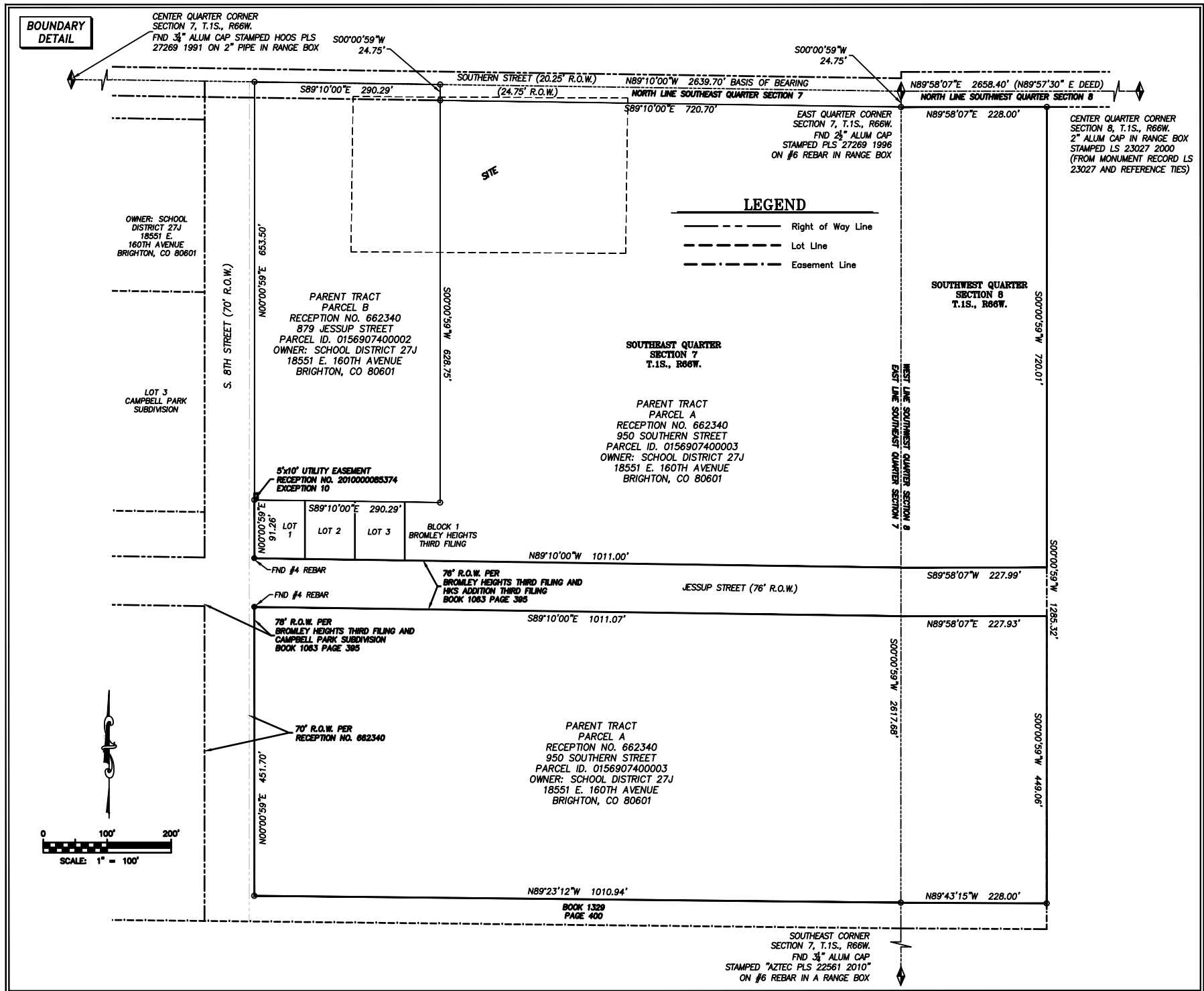
Parcel B:

Beginning at a point on the East-West Centerline of Section 7, Township 1 south, Range 66 west of the 6th P.M., County of Adams, State of Colorado, said point being 1089.0 feet west of the East Quarter Corner of said Section 7; thence south parallel to the East Line of the Southeast Quarter of said Section 7 a distance of 653.5 feet; thence east parallel to the East-West Centerline of said Section 7 a distance of 368.3 feet; thence north a distance of 653.5 feet to a point on the East-West Centerline of said Section 7; thence west along said East-West Centerline a distance of 368.3 feet to the Point of Beginning; except the west 70.0 feet of the east 368.3 feet of the above described tract.

except any portion conveyed by deed recorded November 9, 1966 in Book 1329 at Page 400 and except any portion conveyed by deed recorded May 1, 1963 in Book 1063 at Page 395.

EXCEPTIONS LISTED IN TITLE COMMITMENT:

1. Any facts, rights, interests or claims which are not shown by the Public Records, but which could be ascertained by an inspection of the Land or by making inquiry of persons in possession thereof. **Not survey related**
2. Easements, or claims of easements, not shown by the Public Records. **Not survey related**
3. Discrepancies, conflicts in boundary lines, shortage in area, encroachments, and any facts which a correct survey and inspection of the Land would disclose, and which are not shown by the public records. **Shown hereon, if any**
4. Any lien, or right to a lien, for services, labor or material heretofore or hereafter furnished, imposed by law and not shown in the Public Records. **Not survey related**
5. Any and all unpaid taxes, assessments and unredeemed tax sales. **Not survey related**
6. Unpatented mining claims; reservations or exceptions in patents or in Acts authorizing the issuance thereof. **Not survey related**
7. Any water rights, claims of title to water, in, on or under the land. **Not survey related**
8. Reservations by the Union Pacific Railway Company of (1) All oil, coal and other minerals underlying the land, (2) The exclusive right to prospect for, mine and remove oil, coal and other minerals, and (3) The right to ingress and egress and regress to prospect for, mine and remove oil, coal and other minerals, all as contained in Deed recorded December 24, 1883 in Book A2 at Page 173; and any and all assignments thereof or interests therein. Note: Release and Quitclaim Deed in connection therewith recorded November 23, 1998 at Reception No. C0470914. Note: Request for Notification of Surface Development in connection therewith recorded May 20, 2002 at Reception No. C0917110. **Blanket statements**
9. Terms, agreements, provisions, conditions, obligations and easements, if any, as contained in Annexation Agreement recorded March 26, 1962 in Book 973 at Page 573. **Blanket statements**
10. Terms, agreements, provisions, conditions, obligations and easements, if any, as contained in Resolution Approving Utility Easement recorded December 8, 2010 at Reception No. 2010000085374. **Shown hereon**
11. Terms, agreements, provisions, conditions, obligations and easements, if any, as contained in Memorandum of Lease recorded October 2, 2014 at Reception No. 2014000067827. **Blanket statements**
12. Request for Notification of Application for Development recorded July 13, 2016 at Reception No. 2016000055794. **Not survey related**
13. Mineral and Royalty Quit Claim Deed recorded February 28, 2017 at Reception No. 2017000017963. **Not survey related**
14. Any existing leases or tenancies. **Not survey related**



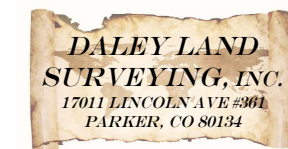
PLANS PREPARED FOR:



PLANS PREPARED BY:

Selective Site Consultants
9900 West 109th Street, Suite 300
Overland Park, Kansas 66210
Phone: 913-438-7700
Fax: 913-438-7777
http://ssc.us.com

LICENSURE NO:



REV: DATE: DESCRIPTION: BY:

REV:	DATE:	DESCRIPTION:	BY:
1	2/5/2018	LEASE/EASEMENTS	AV
2	3/8/2018	REV. EASEMENTS	AV

DRAWN BY: CHK. BY: APV. BY:

AV	RD	RD
----	----	----

AT&T SITE NAME & NUMBER:

RON COX FIELD
COU5344

SITE ADDRESS:

S 8TH AVE. &
E SOUTHERN ST
BRIGHTON, CO 80601

SHEET DESCRIPTION:

LAND SURVEY

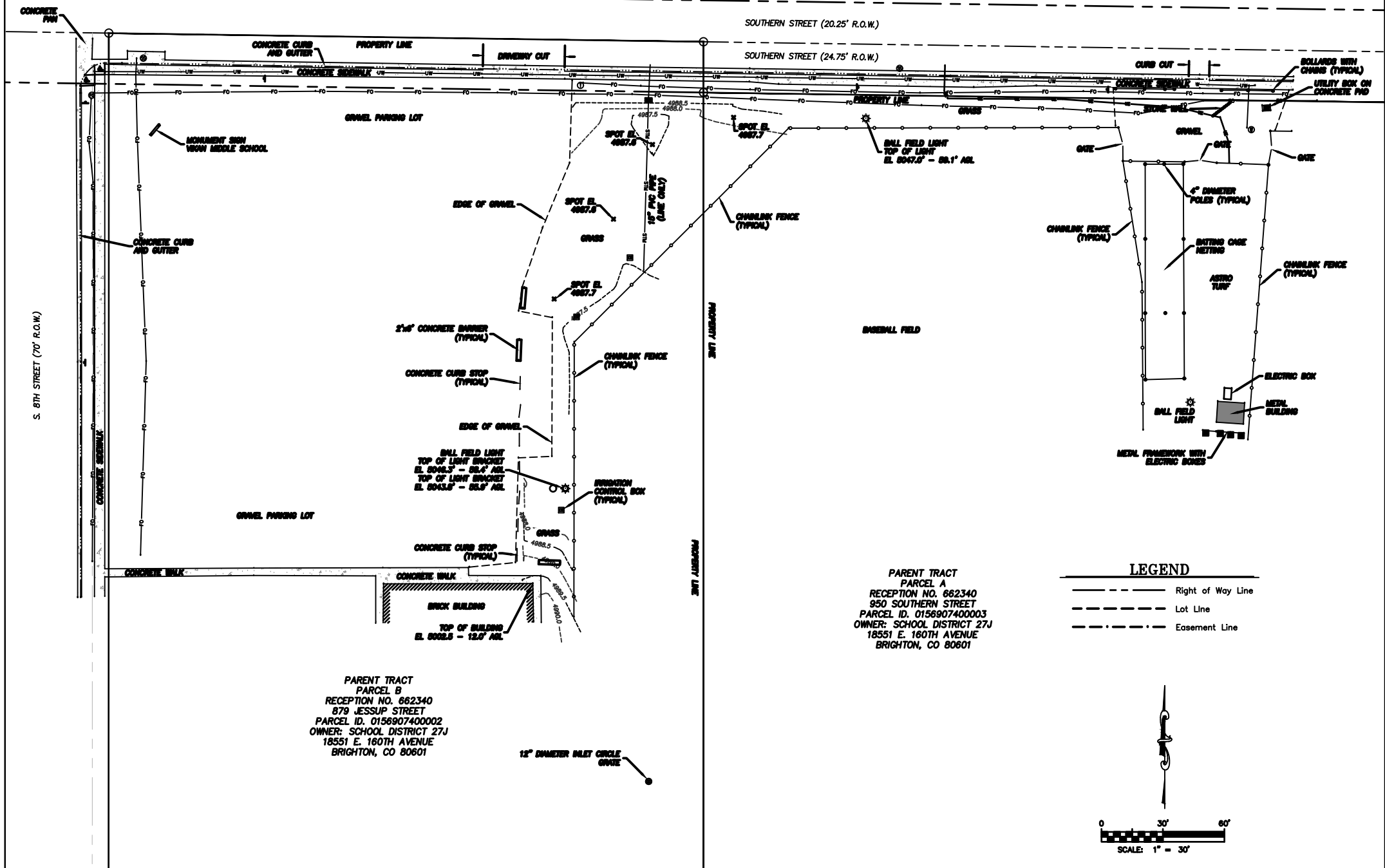
SSC#:

SHEET NUMBER:

LS1

TOPOGRAPHIC SURVEY
AT&T SITE RON COX FIELD - COU5344
SITUATED IN THE SOUTHEAST QUARTER OF SECTION 7
AND THE SOUTHWEST QUARTER OF SECTION 8
TOWNSHIP 1 SOUTH, RANGE 66 WEST OF THE 6TH P.M.
COUNTY OF ADAMS, STATE OF COLORADO

SITE DETAIL AREA
AND ACCESS

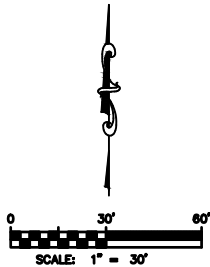


LEGEND

- Bollard
- Bush
- Electric Box
- Electric Connection
- Electric Meter
- Electric Transformer
- ⊕ Fire Hydrant
- ⊕ Fiber Optic Manhole
- ⊕ Handicap Parking
- Inlet Grate
- ⊕ Light Pole
- Manhole
- ⊕ Sign
- ⊕ Power Pole
- ⊕ Sanitary Manhole
- ⊕ Storm Manhole
- ⊕ Telephone Junction Box
- ⊕ Telephone Pedestal
- ⊕ Telephone Manhole
- ⊕ Coniferous Tree
- ⊕ Deciduous Tree
- Utility Box
- ⊕ Water Manhole
- ⊕ Water Meter
- Building
- Sidewalk
- Edge of Asphalt
- Edge of Concrete
- Edge of Gravel Road
- Flowline
- Top Back of Curb
- Chain Link Fence
- Metal Fence
- UE — UE — Underground Electric
- UG — UG — Underground Gas
- UW — UW — Underground Water
- Wall

LEGEND

- Right of Way Line
- Lot Line
- Easement Line



PLANS PREPARED FOR:



PLANS PREPARED BY:

Selective Site Consultants
9900 West 109th Street, Suite 300
Overland Park, Kansas 66210
Phone: 913-438-7700
Fax: 913-438-7777
<http://ssc.us.com>

LICENSURE NO:



REV:	DATE:	DESCRIPTION:	BY:
1	2/5/2018	LEASE/EASEMENTS	AV
2	3/8/2018	REV. EASEMENTS	AV

DRAWN BY:	CHK. BY:	APV. BY:
AV	RD	RD

AT&T SITE NAME & NUMBER:

RON COX FIELD
COU5344

SITE ADDRESS:

S 8TH AVE. &
E SOUTHERN ST
BRIGHTON, CO 80601

SHEET DESCRIPTION:

LAND SURVEY

SSC#:

SHEET NUMBER:

LS2

PROPOSED LEASE AREA AND EASEMENT DETAIL

CENTER QUARTER CORNER SECTION 7, T.1S., R66W.
FND 3/4" ALUM CAP STAMPED HOOS PLS
27269 1991 ON 2" PIPE IN RANGE BOX

N89°10'00"W 2639.70' BASIS OF BEARING
NORTH LINE SOUTHEAST QUARTER SECTION 7

P.O.T. 20' WIDE ACCESS AND UTILITY EASEMENT

S89°10'00"E 290.29'
N89°10'00"W 8202.52' PROPERTY CORNER TIE

S00°00'59"W 24.75'

SOUTHERN STREET (45' R.O.W.)

S89°10'00"E 243.38'

N89°46'48"E 690.54' SECTION CORNER TIE
18' WIDE UTILITY EASEMENT #1

EAST QUARTER CORNER SECTION 7, T.1S., R66W.
FND 2 1/2" ALUM CAP STAMPED PLS 27269 1996
ON #6 REBAR IN RANGE BOX

SEE DETAIL

P.O.B. 20' WIDE ACCESS AND UTILITY EASEMENT AND 18'X20' LEASE AREA

POINT B
P.O.B. 18' WIDE UTILITY EASEMENT #2

S00°04'05"W 82.23'

P.O.T. 18' WIDE UTILITY EASEMENT #2
P.O.B. 12'X18' LEASE AREA

L7
L11

12'X18' LEASE AREA

18'X20' LEASE AREA

S45°04'04"W 108.06'
N44°55'56"W 30.99'

POINT A
P.O.B. UTILITY EASEMENT #1

N44°55'56"W 18.00'

S45°04'04"W 218.13'
N89°10'00"W 792.59'
N82°54'14"E 111.83'

SECTION CORNER TIE ACCESS AND UTILITY EASEMENT 18'X20' LEASE AREA

N75°54'27"E 517.41'
SECTION CORNER TIE 18' WIDE UTILITY EASEMENT #2
12'X18' LEASE AREA

N80°00'00"W 10.00'

LINE	BEARING	DISTANCE
L1	N45°04'04"E	10.00'
L2	S44°55'56"E	18.00'
L3	S45°04'04"W	20.00'
L4	N44°55'56"W	9.00'
L5	N44°55'56"W	9.00'
L6	N45°04'04"E	10.00'
L7	S89°55'55"E	9.00'
L8	S00°04'05"W	12.00'
L9	N89°55'55"W	18.00'
L10	N00°04'05"E	12.00'
L11	S89°55'55"E	9.00'

PARENT TRACT
PARCEL A
RECEPTION NO. 662340
950 SOUTHERN STREET
PARCEL ID. 0156907400003
OWNER: SCHOOL DISTRICT 27J
18551 E. 160TH AVENUE
BRIGHTON, CO 80601

SOUTHEAST QUARTER SECTION 7
T.1S., R66W.

PARENT TRACT
PARCEL B
RECEPTION NO. 662340
879 JESSUP STREET
PARCEL ID. 0156907400002
OWNER: SCHOOL DISTRICT 27J
18551 E. 160TH AVENUE
BRIGHTON, CO 80601

LEGEND

- Right of Way Line
- Lot Line
- Easement Line

5'x10' UTILITY EASEMENT
RECEPTION NO. 2010000085374
EXCEPTION 10

N89°10'00"W 290.29' PROPERTY LINE

LOT 1 LOT 2 LOT 3

BLOCK 1
BROMLEY HEIGHTS
THIRD FILING

LOT 3
CAMPBELL PARK SUBDIVISION

SCALE: 1" = 50'

PROPOSED 18'X20' LEASE AREA AND EASEMENT DETAIL

10' 18' 18'X20' LEASE AREA

POINT A
P.O.B. UTILITY EASEMENT #1

P.O.B. 20' WIDE ACCESS AND UTILITY EASEMENT
P.O.B. 12'X18' LEASE AREA

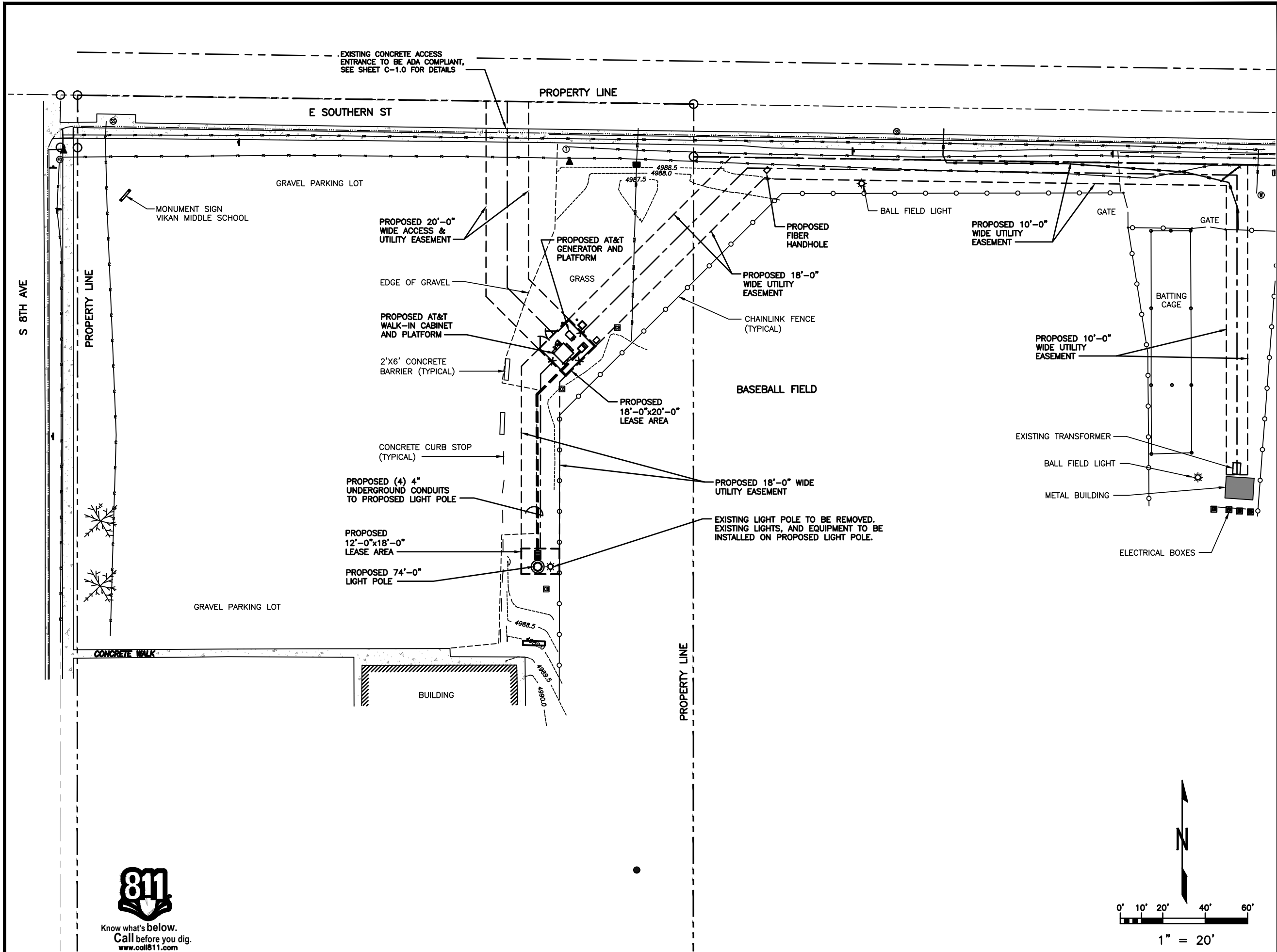
POINT B
P.O.B. 18' WIDE UTILITY EASEMENT #2

S45°04'04"W 7.73'

9' 9'

Containing 216 Square Feet, or 0.005 Acres, more or less.

LS3



PLANS PREPARED FOR:

PLANS PREPARED BY:

4155 E. Jewell Avenue, Suite 414
Denver, Colorado 80222
Phone: 303-593-2618
Fax: 913-438-7777

ENGINEERING LICENSE:
STATE OF COLORADO
STATE CERTIFICATE OF AUTHORIZATION # 20041302439
ENGINEER: PE#: DISCIPLINE:
KV KEVIN VANMAELE PE 0053946 STRUCTURAL/CIVIL SC
TMS TERRANCE M. SUPER 36490 ELECTRICAL E
SDX SHELTON D. KEISLING 49643 ELECTRICAL E

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RE-ISSUED FOR ZONING	03/05/18	RES	C	
RE-ISSUED FOR ZONING	05/17/18	KLL	D	
REVISED PER CLIENT COMMENTS	07/18/18	DDS	E	

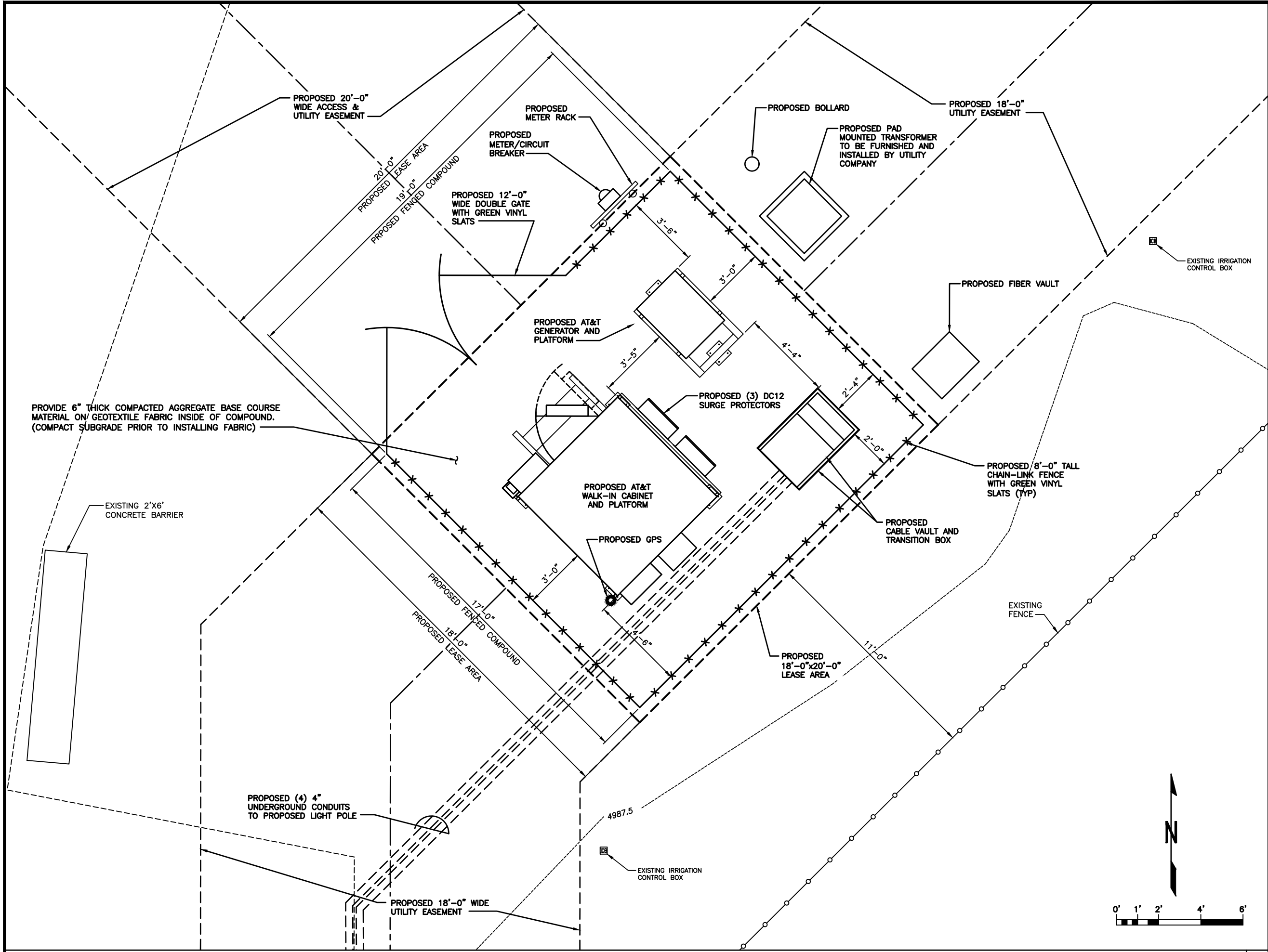
SITE NAME:
RON COX FIELD

SITE NUMBER:
COU5344


SITE ADDRESS:
**S. 8TH AVE & E. SOUTHERN ST.
BRIGHTON, CO 80601**

SHEET DESCRIPTION:
OVERALL SITE PLAN


SSC #: SHEET NUMBER:
A-1.0



PLANS PREPARED FOR:



PLANS PREPARED BY:



4155 E. Jewell Avenue, Suite 414
Denver, Colorado 80222
Phone: 303-593-2618
Fax: 913-438-7777

ENGINEERING LICENSE:

STATE OF COLORADO

STATE CERTIFICATE OF AUTHORIZATION # 20041302439

ENGINEER: KEVIN VANMAELE PE# 0053946 DISCIPLINE: STRUCTURAL/CIVIL

TMS TERRANCE M. SUPER 36490 ELECTRICAL

SDX SHELTON D. KEISLING 49643 ELECTRICAL

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RE-ISSUED FOR ZONING		05/17/18	KLL	D
REVISED PER CLIENT COMMENTS		07/18/18	DDS	E

SITE NAME:

RON COX FIELD

SITE NUMBER:

COU5344

SITE ADDRESS:

S. 8TH AVE & E.
SOUTHERN ST.
BRIGHTON, CO 80601

SHEET DESCRIPTION:

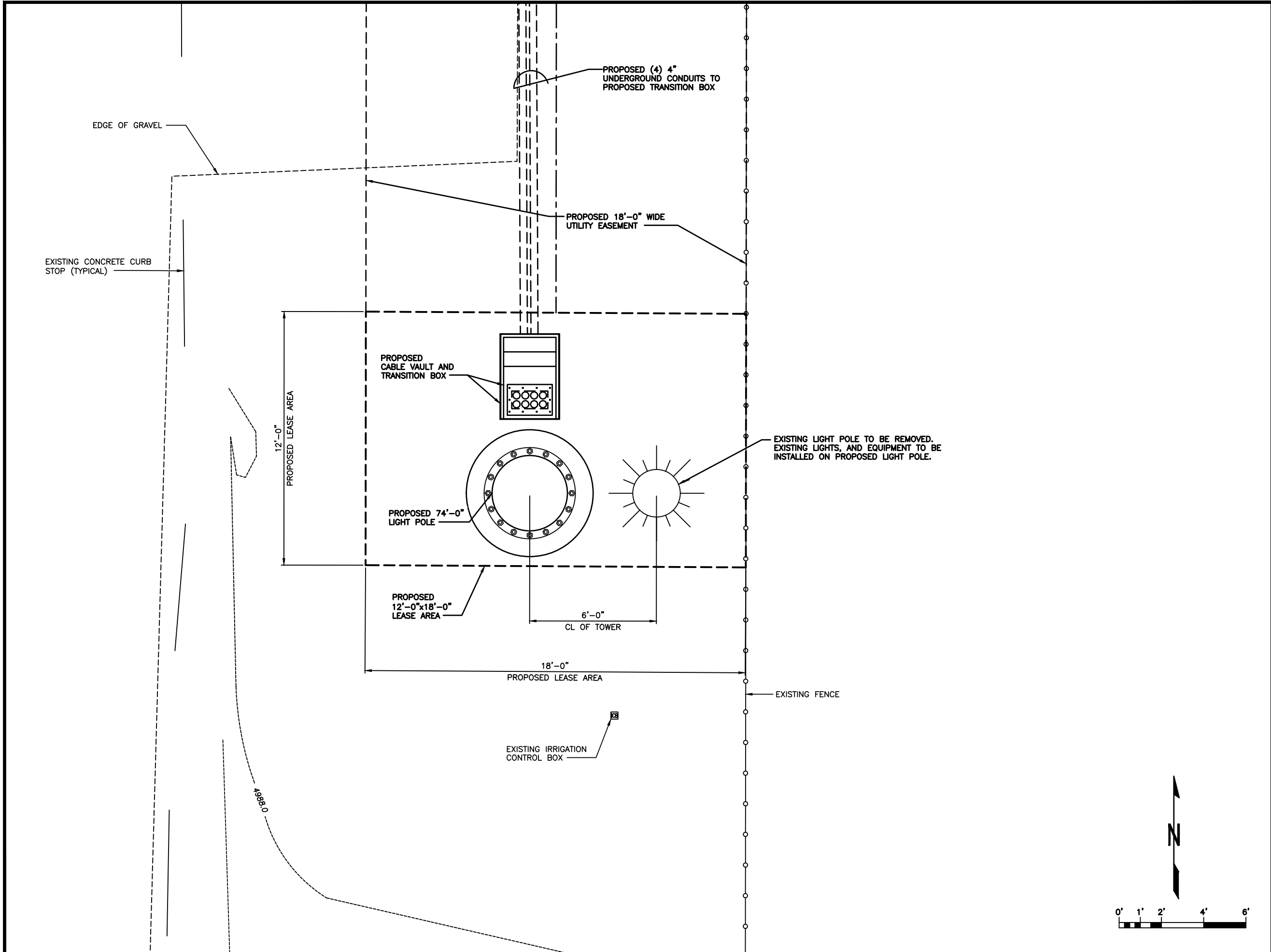
ENLARGED SITE PLAN
(COMPOUND)

SSC #:

SHEET NUMBER:


A-1.1

ENLARGED SITE PLAN




ENLARGED SITE PLAN

PLANS PREPARED FOR:



PLANS PREPARED BY:



4155 E. Jewell Avenue, Suite 414
Denver, Colorado 80222
Phone: 303-593-2618
Fax: 913-438-7777

ENGINEERING LICENSE:

STATE OF COLORADO
STATE CERTIFICATE OF AUTHORIZATION # 20041302439
ENGINEER: PE#: DISCIPLINE:
KV KEVIN VANMAELE PE.0053946 STRUCTURAL/CIVIL SC
TMS TERRANCE M. SUPER 36490 ELECTRICAL E
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RE-ISSUED FOR ZONING	03/05/18	RES	C
RE-ISSUED FOR ZONING	05/17/18	KLL	D
REVISED PER CLIENT COMMENTS	07/18/18	DDS	E

SITE NAME:

RON COX FIELD

SITE NUMBER:

COU5344

SITE ADDRESS:

S. 8TH AVE & E.
SOUTHERN ST.
BRIGHTON, CO 80601

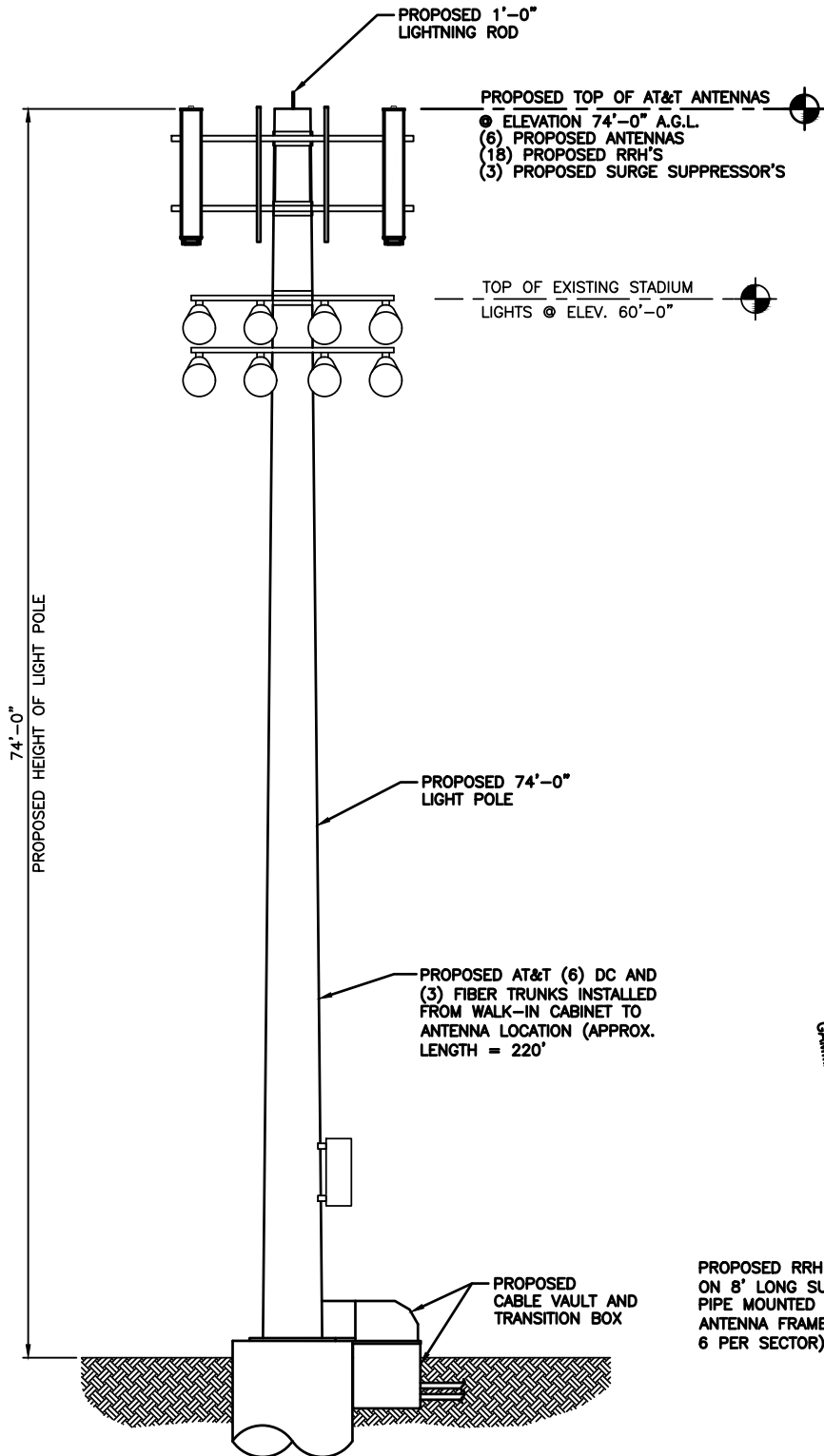
SHEET DESCRIPTION:

ENLARGED SITE PLAN
(TOWER)

SSC #:

SHEET NUMBER:

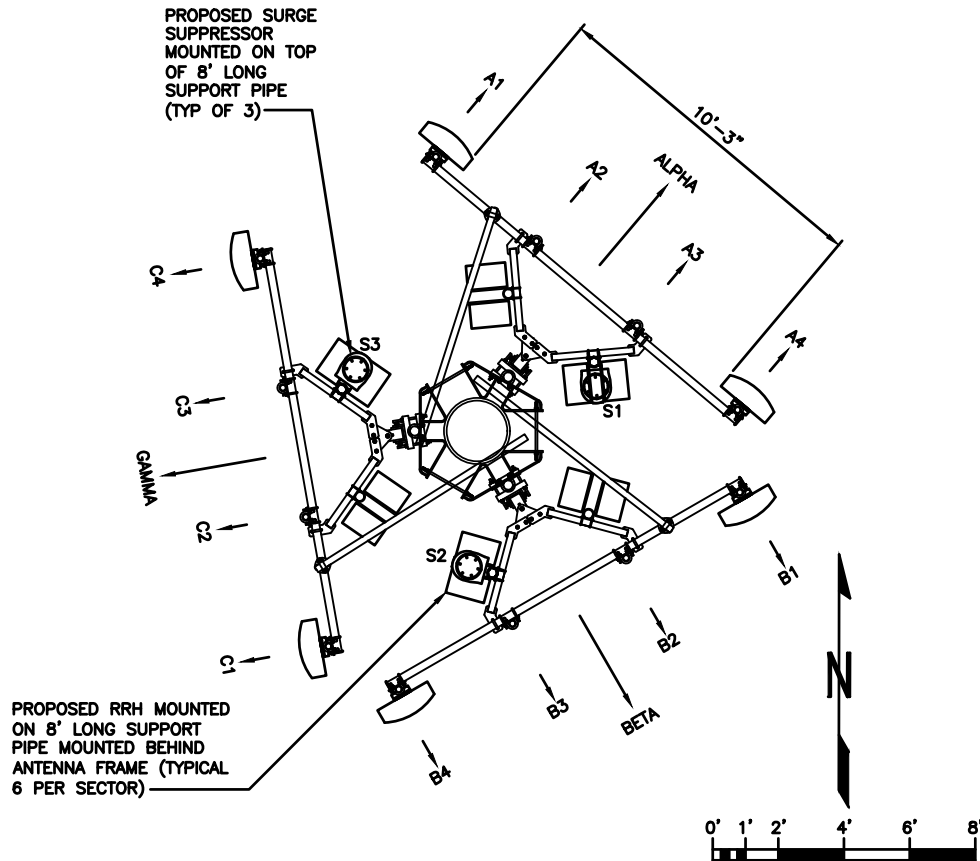
A-1.2



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 DAISI 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 SITE PRO 1 VFA12-WLL-30120 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 DOWNLOADS ARE TO BE TERMINATED TO THE EXISTING ADJACENT GROUNDING BAR DOWNLOADS 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: KEVIN VANMAELE PE# 0053946 DISCIPLINE: STRUCTURAL/CIVIL SC
TMS TERRANCE M. SUPER 36490 ELECTRICAL
SDK SHELTON D. KEISLING 49643 ELECTRICAL

DRAWING NOTICE:

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SUBMITTALS

DESCRIPTION	DATE	BY	REV
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RE-ISSUED FOR ZONING	05/17/18	KLL	D
REVISED PER CLIENT COMMENTS	07/18/18	DDS	E

SITE NAME:

RON COX FIELD

SITE NUMBER:

COU5344

SITE ADDRESS:

S. 8TH AVE & E.
SOUTHERN ST.
BRIGHTON, CO 80601

SHEET DESCRIPTION:

TOWER ELEVATION &
ANTENNA LAYOUT

SSC #:

SHEET NUMBER:

A-2

ANTENNA AND RRH SCHEDULE				
SECTOR	ANTENNA MODEL	TECHNOLOGY	ANTENNA HEIGHT	RRH MODEL
ALPHA	TPA-65R-BU8DA-K	LTE 850 LTE 1900 LTE WCS	74'-0"	(1) 4T4R B5 160W AHCA (1) RRH 4T4R B25/66 320W (1) RRH4x25-WCS-4R
	TPA-65R-BU8DA-K	LTE 700 LTE AWS	74'-0"	(2) RRH 4T4R B12/14 320W (2) RRH 4T4R B25/66 320W
BETA	TPA-65R-BU8DA-K	LTE 850 LTE 1900 LTE WCS	74'-0"	(1) 4T4R B5 160W AHCA (1) RRH 4T4R B25/66 320W (1) RRH4x25-WCS-4R
	TPA-65R-BU8DA-K	LTE 700 LTE AWS	74'-0"	(1) RRH 4T4R B12/14 320W (1) RRH 4T4R B25/66 320W
GAMMA	TPA-65R-BU8DA-K	LTE 850 LTE 1900 LTE WCS	74'-0"	(1) 4T4R B5 160W AHCA (1) RRH 4T4R B25/66 320W (1) RRH4x25-WCS-4R
	TPA-65R-BU8DA-K	LTE 700 LTE AWS	74'-0"	(1) RRH 4T4R B12/14 320W (1) RRH 4T4R B25/66 320W

CABLE LENGTH TABLE												
SECTOR	PDF	DISTANCE & CABLE TYPE		DC-6	DISTANCE & CABLE TYPE		SQUID	DISTANCE & CABLE TYPE		RRH	TOTAL CABLE LENGTH	FINAL DC VOLTAGE
ALPHA		15'	10-AWG 2		220'	(2) 6-AWG 6		10'	10-AWG 2		165'	40.45'
BETA		15'	10-AWG 2		220'	(2) 6-AWG 6		10'	10-AWG 2		135'	40.45'
GAMMA		15'	10-AWG 2		220'	(2) 6-AWG 6		10'	10-AWG 2		125'	40.45'

COAX JUMPER LENGTH TABLE			
SECTOR	ANTENNA	JUMPER QTY	JUMPER LENGTH
ALPHA	A1	12	10'
	A2		
	A3		
	A4	8	10'
BETA	B1	12	10'
	B2		
	B3		
	B4	8	10'
GAMMA	B1	12	10'
	B2		
	B3		
	B4	8	10'

CABLE COUNT	
QUANTITY	CABLE TYPE
6	6 CONDUCTOR (3 PAIR) 3/4" DC CABLE
3	36 FIBER (18 PAIR) 10MM FIBER
3	2" INNERDUCT

PLANS PREPARED FOR:



PLANS PREPARED BY:



ENGINEERING LICENSE:

STATE OF COLORADO
STATE CERTIFICATE OF AUTHORIZATION # 20041302439
ENGINEER: PE#: DISCIPLINE:
KV KEVIN VANMAELE PE.0053946 STRUCTURAL/CIVIL SC
TMS TERRANCE M. SUPER 36490 ELECTRICAL E
SDK SHELTON D. KEISLING 49643 ELECTRICAL E

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SITE NUMBER:

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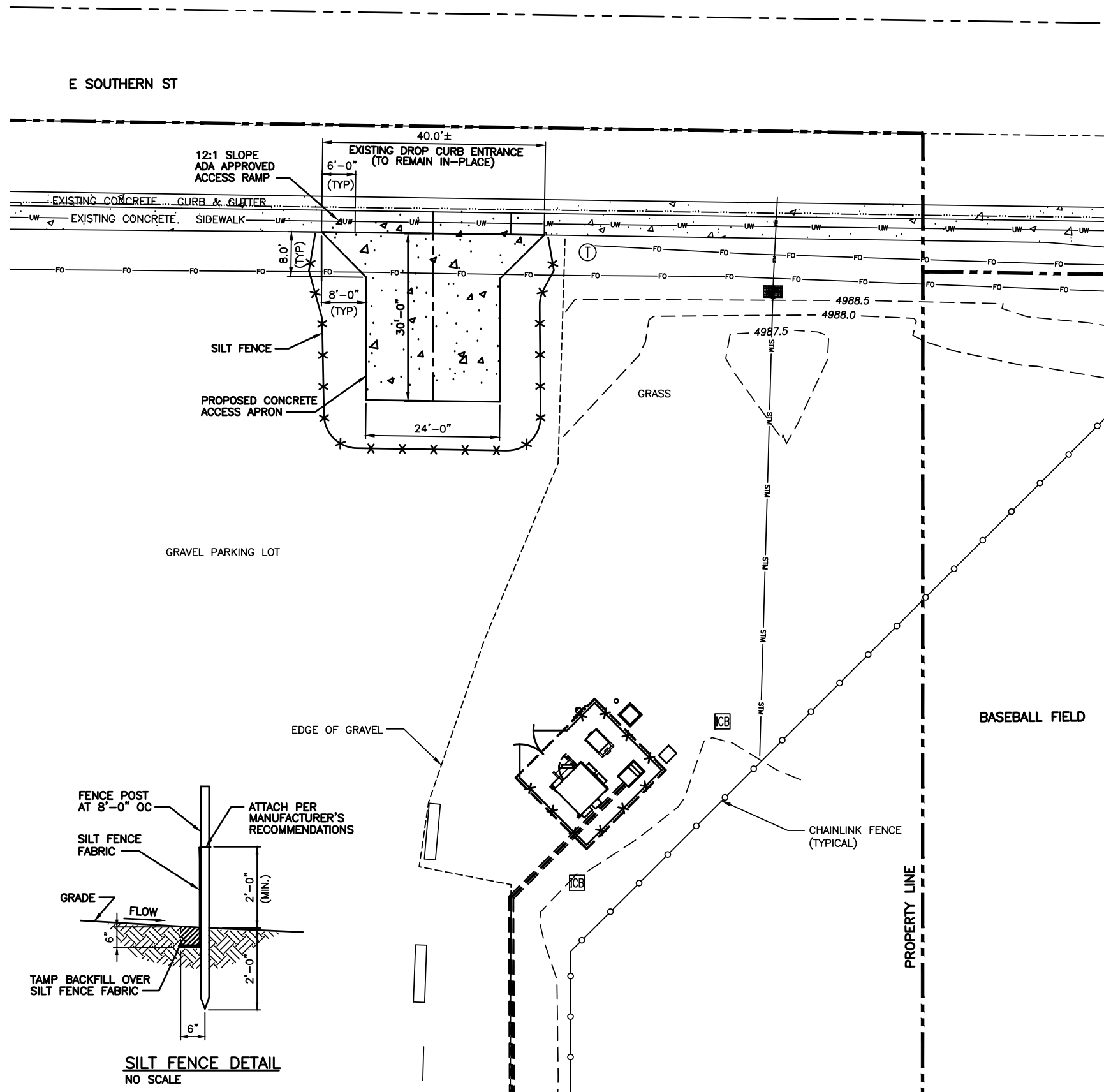
SHEET DESCRIPTION:

ANTENNA AND
EQUIPMENT SCHEDULES

SSC #:

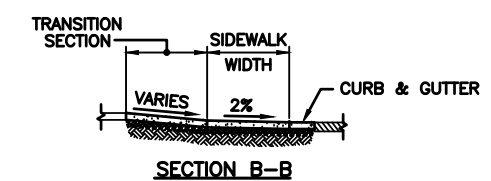
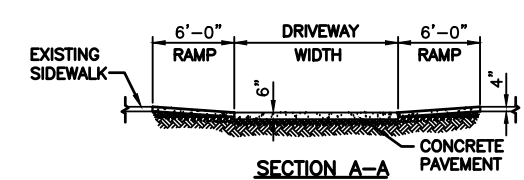
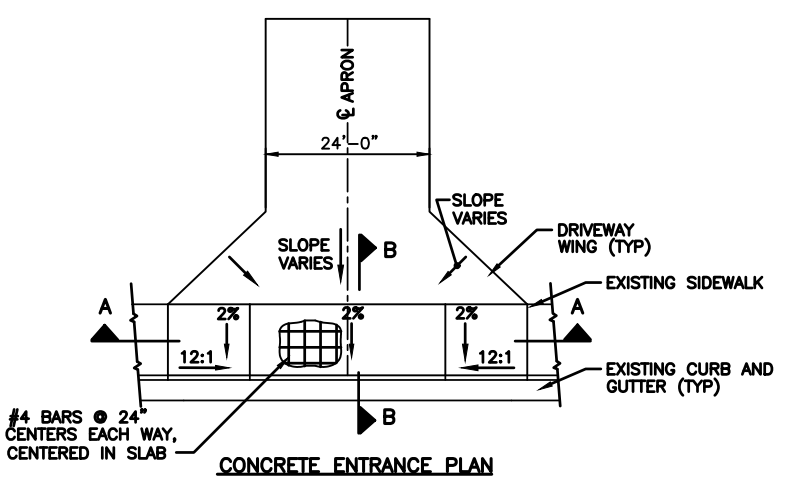
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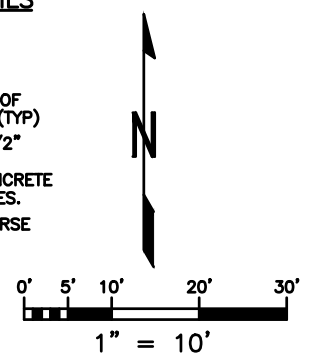
- GRADING NOTES:**
1. STRIP THE GROUND OF ALL VEGETATION AND DEBRIS.
 2. PROOF ROLL WITH LOADED TANDEM TO IDENTIFY SOFT SPOTS.
 3. REMOVE SOFT SPOT MATERIAL AND COMPACT TO 95% AT STRUCTURE, 90% ELSEWHERE.
 4. INSTALL GEOTEXTILE FABRIC ON PREPARED SUBGRADE.
 5. PLACE AND COMPACT 6" AGGREGATE SURFACING.
 6. SEE SPECIFICATIONS DRAWINGS FOR REQUIREMENTS OF BACKFILL MATERIAL.
 7. MAINTAIN REASONABLE DUST CONTROL METHODS DURING CONSTRUCTION.
 8. ENTIRE DRIVE LENGTH SHALL BE POSITIVE DRAINING DURING, AND AT COMPLETION OF CONSTRUCTION.
 9. CONTRACTOR SHALL OBTAIN ANY SITE SPECIFIC SOILS REPORTS AND FOLLOW ALL RECOMMENDATIONS. A DISCREPANCY BETWEEN CONSTRUCTION DRAWINGS AND SOILS REPORT, THE GEOTECHNICAL REPORT SHALL GOVERN. SSC TO BE NOTIFIED OF DISCREPANCY.

- SILTATION NOTES:**
1. SILTRATION CONTROL DEVICES TO REMAIN IN PLACE UNTIL ADEQUATE VEGETATION GROWTH INSURES NO FURTHER EROSION.
 2. SILTRATION FENCES SHALL BE INSPECTED PERIODICALLY FOR DAMAGE AND FOR THE AMOUNT OF SEDIMENTATION WHICH HAS ACCUMULATED. REMOVAL OF SEDIMENT WILL BE REQUIRED WHEN IT REACHES 1/2 FENCE HEIGHT.
 3. ATTACHMENT OF GEOTEXTILE FABRIC TO BE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
 4. SILT FENCING TO BE USED AT ALL AREAS OF EXCAVATION.



CONCRETE ENTRANCE DETAILS
NO SCALE

- NOTES:**
1. PLACE EXPANSION JOINTS AT BACK OF CURB LINE AND AT SIDEWALK LINE (TYP)
 2. CONSTRUCTION JOINTS SHALL BE 1/2" PREMOLDED NON-EXTRUDING FILLER MATERIAL PLACED WHERE NEW CONCRETE ABUTS NEW OR EXISTING STRUCTURES.
 3. SURFACE TEXTURE SHALL BE A COARSE BROOM FINISH, TRANSVERSE TO THE SLOPE OF THE RAMP.



PLANS PREPARED BY:

SSC

4155 E. Jewell Avenue, Suite 414
Denver, Colorado 80222
Phone: 303-593-2618
Fax: 913-438-7777

ENGINEERING LICENSE:
STATE OF COLORADO
STATE CERTIFICATE OF AUTHORIZATION # 20041302439
ENGINEER: PE# DISCIPLINE:
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BRIGHTON, CO 80601

SHEET DESCRIPTION:

CIVIL PLAN & DETAILS

SSC #:

SHEET NUMBER:

C-1.0