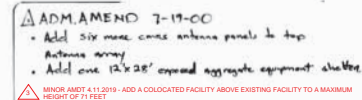


SBA TOWERS, INC.
HACKSTAFF CONCRETE
13431 E. 37TH AVE.
AURORA, CO 80239



UNDERLYING PARCEL	
LOT 2, BLOCK 1, SE/8 SUBDIVISION, 2ND FILING, CITY OF AURORA, COUNTY OF ADAMS, STATE OF COLORADO	
LEASE DESCRIPTION	

HACKSTAFF
CONCRETE

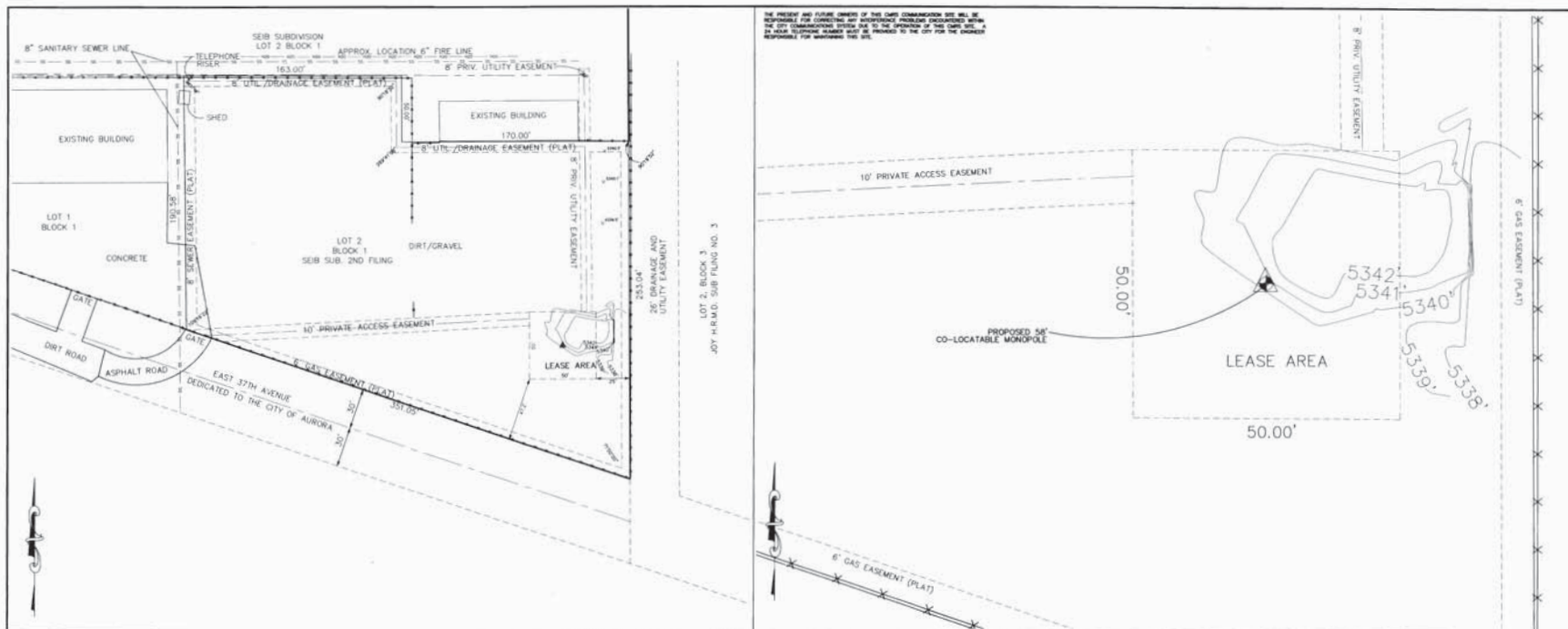
REVISIONS	
NO.	DATE
5	12/8/99
4	11/29/99
3	11/10/99
2	10/26/99
1	10/15/99
0	10/15/99

Z-1

DRIVING DIRECTIONS

PROJECT TEAM

HACKSTAFF 1999-6055-1



OVERALL SITE PLAN

SCALE: 1" = 40'

ENLARGED SITE PLAN

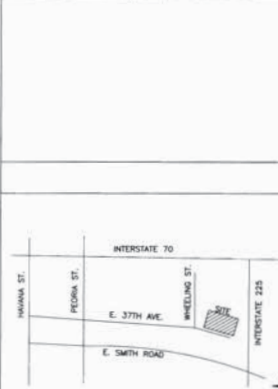
SCALE: 1" = 10'

UNDERLYING PARCEL
LOT 2,
BLOCK 1,
SEB SUBDIVISION, 2ND FLUNG,
CITY OF AURORA,
COUNTY OF ADAMS,
STATE OF COLORADO

PROJECT LEGAL DESCRIPTION

LEASE AREA
A PORTION OF LOT 2, BLOCK 1, SEB SUBDIVISION, 2ND FLUNG,
LOCATED IN THE NORTHEAST QUARTER OF SECTION 25, TOWNSHIP
3 SOUTH, RANGE 67 WEST OF THE 6TH P.M., CITY OF AURORA,
COUNTY OF ADAMS, STATE OF COLORADO, BEING MORE
PARTICULARLY DESCRIBED AS FOLLOWS:
COMMENCING AT THE NORTHEAST CORNER OF SAID LOT 2, THENCE
SOUTHERLY ALONG THE EAST LINE OF SAID LOT 2 A DISTANCE OF
127.67 FEET; THENCE WESTERLY AND PARALLEL TO THE NORTH
LINE OF SAID LOT 2 A DISTANCE OF 25.00 FEET, TO THE TRUE
POINT OF BEGINNING; THENCE SOUTHERLY AND PARALLEL TO EAST
LINE OF SAID LOT 2 A DISTANCE OF 50 FEET; THENCE WESTERLY
AND PARALLEL TO THE NORTH LINE OF SAID LOT 2 A DISTANCE
OF 50 FEET, THENCE NORTHERLY AND PARALLEL TO THE EAST
LINE OF SAID LOT 2 A DISTANCE OF 50 FEET; THENCE EASTERLY
AND PARALLEL TO THE NORTH LINE OF SAID LOT 2 A DISTANCE
OF 50 FEET TO THE TRUE POINT OF BEGINNING; CONTAINING 2500
SQUARE FEET MORE OR LESS.

PROJECT AREA LEGAL DESCRIPTION



VICINITY MAP

SITE NAME: HACKSTAFF CONCRETE
SITE NUMBER: DND3K02KPC
SITE ADDRESS: 13431 E. 37TH AVENUE
DENVER, CO 80239
ADAMS COUNTY
OWNER'S NAME: ED HACKSTAFF
OWNER'S ADDRESS: 13431 E. 37TH AVENUE
DENVER, CO 80239
ASSESSOR'S PARCEL NUMBER(S): (A.P.N.)
73,522 SQUARE FEET
NET AREA OF UNDERLYING PARCELS: (1.688 ACRES) MORE OR LESS
NET AREA OF PROJECT AREA: 2500 SQUARE FEET
(0.057 ACRES) MORE OR LESS
GROUND ELEVATION: 5341 FEET AMSL
BENCHMARK: NOS "WAL" PID A5247
ELEVATION=5335 FEET AMSL
BASIS OF ELEVATIONS: NOS "WAL" PID A5247, NAVD 83
NAD 83 (1992)
NOTES:
1. LATITUDE, LONGITUDE AND GROUND ELEVATION TAKEN AT
CENTER OF SITE.
2. THE LOCATION OF EXISTING UTILITY FACILITIES HAS NOT BEEN
RESEARCHED. THE CONTRACTOR SHALL CONTACT THE RESPECTIVE UTILITY
COMPANIES TO OBTAIN INFORMATION REGARDING EXACT DEPTH OF BURIAL
AND HORIZONTAL LOCATION OF UTILITY LINES PRIOR TO CONSTRUCTION.
THE SURVEYOR ASSUMES NO RESPONSIBILITY FOR THE DELINEATION OF
SUCH UNDERGROUND UTILITIES, NOR FOR THE EXISTENCE OF BURIED
OBJECTS WHICH ARE NOT SHOWN ON THIS PLAN.
3. NO ARCHITECTURAL FEATURES (E. FOUNDATION, ANTENNAE, FOOTINGS, ETC.)
IS ALLOWED TO ENCRUMB INTO ANY EASEMENT.

SITE DATA

EXISTING	DESCRIPTION	PROPOSED
—	SANITARY SEWER	—
—	STORM SEWER	—
—	WATER MAIN	—
—	SANITARY MANHOLE ELEVATIONS	—
—	STORM STRUCTURE ELEVATIONS	—
—	PROPERTY LINE & R.O.W.	—
—	SURFACE DRAINAGE	—
—	LIGHT STANDARD	—
—	STREET LIGHT	—
—	SPOT ELEVATION	—
—	CONTOUR	—
—	GAS MAIN	—
—	MANHOLE	—
—	CATCHBASIN	—
—	VAULT	—
—	VALVE IN BOX	—
—	FIRE HYDRANT	—
—	EASEMENT LINE	—
—	FENCE	—
—	BURIED UTILITY LINE	—
—	UTILITY POLE	—
—	OVERHEAD UTILITY LINE	—
—	POWER POLE	—
—	PROPOSED CENTROID	—
—	FOUND #6 W/ 2 1/2" ALUM CAP L5#20676	—
—	FOUND #5 WITH PLASTIC CAP L5#20676	—

SBA TOWERS, INC.

HACKSTAFF
CONCRETE

DATE: DECEMBER 8, 1999

NO.	DATE
5	12/8/99
4	11/29/99
3	11/10/99
2	10/26/99
1	10/15/99
0	10/15/99

HEDRICK & ASSOCIATES, L.L.C.
CONSULTING ENGINEERING FIRM
2339 PINE BLVD. SUITE 104
AURORA, COLORADO 80010-4000
TEL (303) 709-0400 FAX (303) 709-0402

SITE NAME:

HACKSTAFF CONCRETE

SITE NUMBER:

COSS9990-001

SITE ADDRESS:

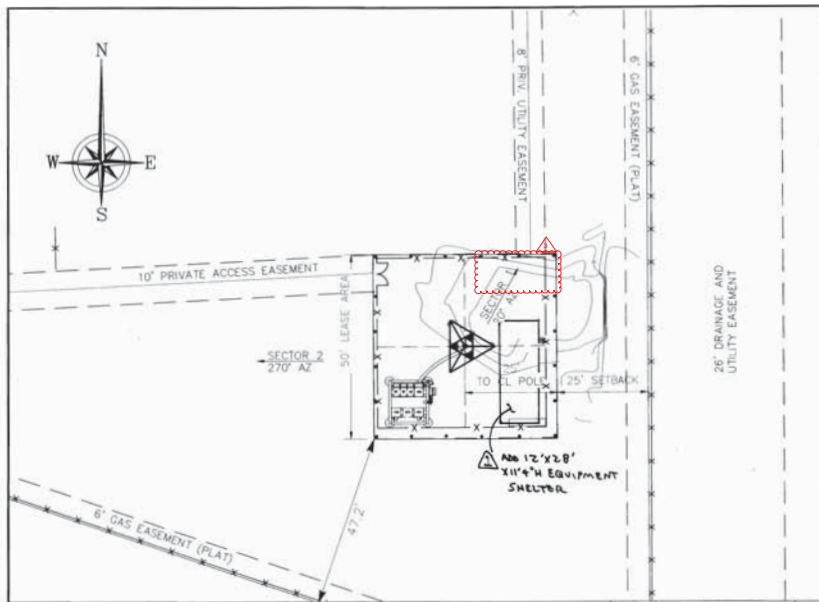
13431 E. 37TH AVE.
AURORA, CO 80239

SHEET TITLE:

SURVEY DATA

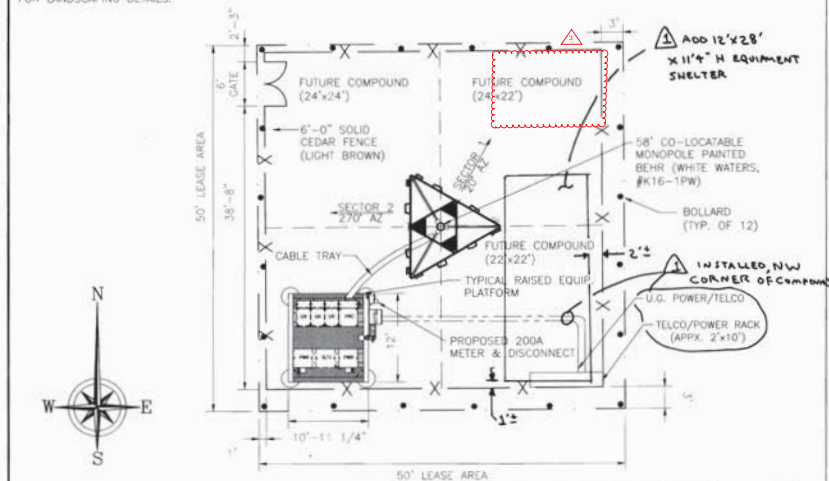
SHEET NUMBER:

Z-2

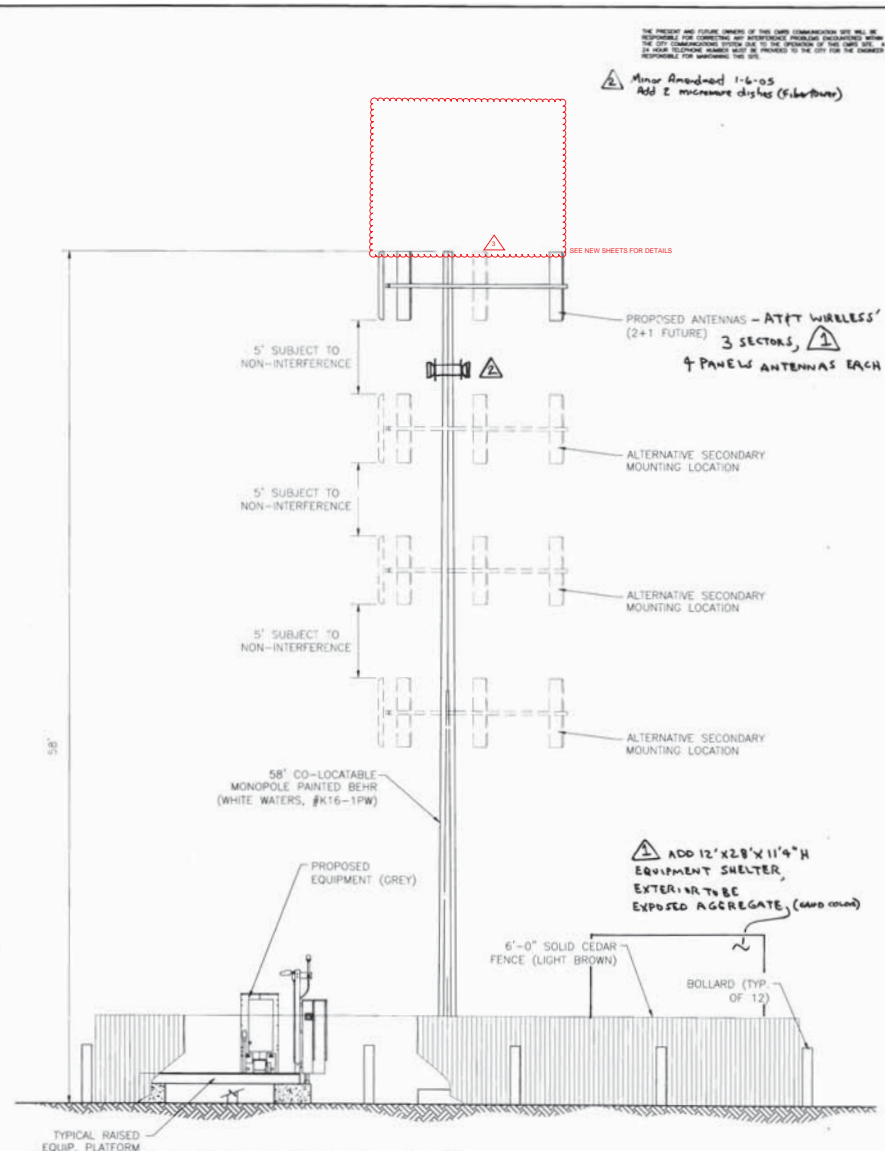


OVERALL SITE PLAN

NOTE:
LANDSCAPING NOT SHOWN FOR CLARITY—SEE SHEET Z-4
FOR LANDSCAPING DETAILS.



ENLARGED SITE PLAN



SOUTH ELEVATION

ADIRIV. AMEND. Δ INSTALL CMRS (AT&T WIRELESS SERVICES)
ANTENNAS AND EQUIPMENT SHELTER

Minor Amendment 1-6-05
Add 2 microwave dishes (Fiberhome)

SEE NEW SHEETS FOR DETAILS

PROPOSED ANTENNAS - AT&T WIRELESS®
(2+1 FUTURE)
3 SECTORS, Δ
4 PANEL ANTENNAS EACH

ALTERNATIVE SECONDARY
MOUNTING LOCATION

ALTERNATIVE SECONDARY
MOUNTING LOCATION

ALTERNATIVE SECONDARY
MOUNTING LOCATION

ADD 12' x 28' x 11'4" H
EQUIPMENT SHELTER,
EXTERIOR TO BE
EXPOSED AGGREGATE, (AND MORE)

6'-0" SOLID CEDAR
FENCE (LIGHT BROWN)

BOLLARD (TYP.
OF 12)

SBA TOWERS, INC.

HACKSTAFF
CONCRETE

DATE: DECEMBER 8, 1999

REVISIONS

NO.	DATE
5	12/8/99
4	11/29/99
3	11/10/99
2	10/26/99
1	10/15/99
0	10/15/99

H. DORRICK & ASSOCIATES, LLC

CONSULTING ENGINEERING ARCHITECTS
2550 West Main Street, Suite 104
Aurora, Colorado 80010-4000
TEL (303) 706-8445 FAX (303) 706-8447

SITE NAME:

HACKSTAFF CONCRETE

SITE NUMBER:

COSS9990-001

SITE ADDRESS:

13431 E. 37TH AVE.
AURORA, CO 80239

SHEET TITLE:

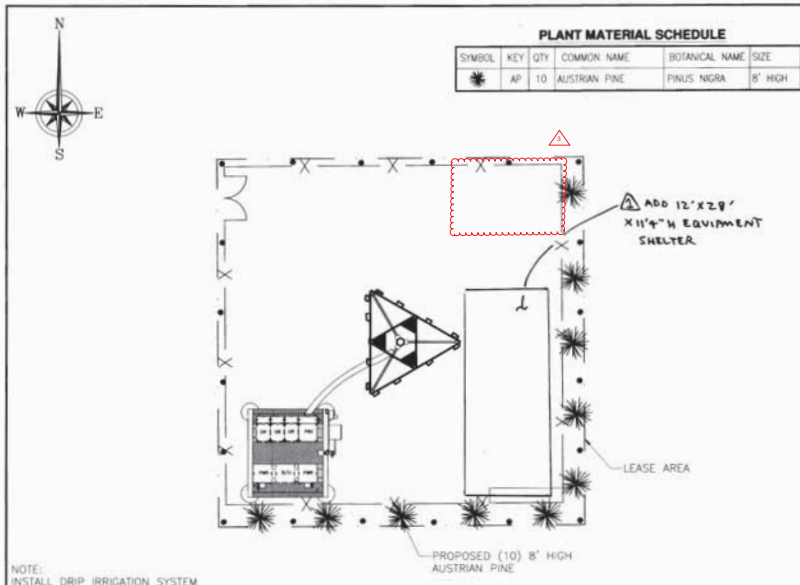
OVERALL SITE PLAN
ENLARGED SITE PLAN,
AND SOUTH ELEVATION

SHEET NUMBER:

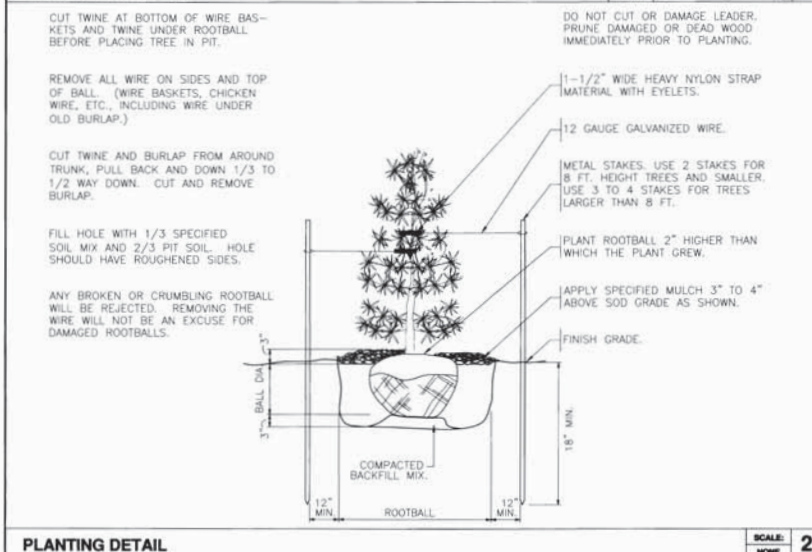
Z-3

HACKSTAFF 1999-6055-1

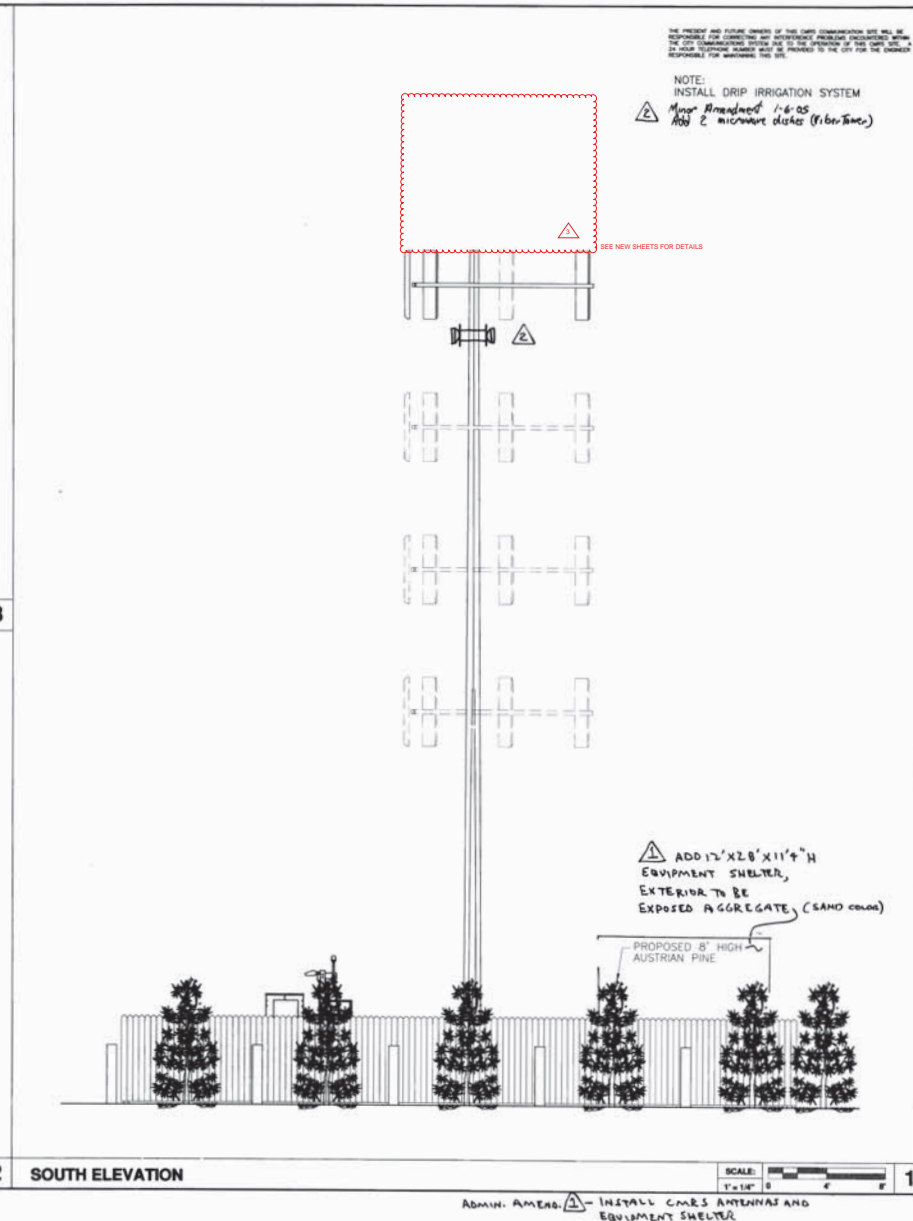
12-1-99, 7-19-00, 1-6-05



OVERALL SITE PLAN SCALE: 1" = 10' 3



PLANTING DETAIL SCALE: NONE 2



SOUTH ELEVATION SCALE: 1" = 10' 1

SBA TOWERS, INC.

HACKSTAFF CONCRETE

DATE: DECEMBER 8, 1999

NO.	DATE
5	12/8/99
4	11/29/99
3	11/10/99
2	10/26/99
1	10/15/99
0	10/15/99

HICKORY & ASSOCIATES, LLC
 CONSULTING ENGINEERING SERVICE
 2320 West Main Street, Suite 104
 Lakewood, Colorado 80226-5001
 TEL (303) 758-8442 FAX (303) 758-8442

SITE NAME:

HACKSTAFF CONCRETE

SITE NUMBER:

COSS9990-001

SITE ADDRESS:

13431 E. 37TH AVE.
 AURORA, CO 80239

SHEET TITLE:

LANDSCAPING PLAN AND DETAILS

SHEET NUMBER:

Z-4



CO20571-A-03

T-MOBILE SITE ID:DN01706E
SBA COLLO- HACKSTAFF
13431 EAST 37TH AVENUE
AURORA,CO 80239

SBA RSM APPROVED

By MJudson at 5:23:43 PM, 2/22/2019



12920 SE 38TH ST
BELLEVUE, WA 98006



1387 CALLE AVANZADO
SAN CLEMENTE CA 92673 (949) 391-6824

DRAWN BY: NS

CHECKED BY: MM

REV	DATE	DESCRIPTION	BY
1	02/21/2019	100% CD'S FOR SUBMITTAL	MR
0	09/07/2018	90% CD'S FOR REVIEW	NS



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.

CO20571-A-03
T-MOBILE SITE ID: DN01706E
SBA COLLO- HACKSTAFF
13431 EAST 37TH AVENUE
AURORA, CO 80239
MONOPOLE

SHEET TITLE

TITLE SHEET

SHEET NUMBER

T-1

SITE INFORMATION

PROPERTY OWNER: SBA 2012 TC ASSETS, LLC
8051 CONGRESS AVENUE
BOCA RATON, FL 33487-1307

APPLICANT: T-MOBILE
ADDRESS: 12920 SE 38TH ST
BELLEVUE, WA 98006

LAT/LONG TYPE: NAD-83

LATITUDE: 39.766392° N

LONGITUDE: -104.8307° W

ZONING JURISDICTION: ADAMS COUNTY

ZONING CLASSIFICATION: M-3

CURRENT USE: UNMANNED TELECOMMUNICATIONS FACILITY

ASSESSOR'S PARCEL NO.: 0182325112003

PROPOSED USE: UNMANNED TELECOMMUNICATIONS FACILITY

TYPE OF CONSTRUCTION: V-B

OCCUPANCY GROUP: U-2

COUNTY: ADAMS COUNTY

VICINITY MAP



DRIVING DIRECTIONS

DIRECTIONS FROM DENVER INTERNATIONAL AIRPORT

1. HEAD NORTH ON PEÑA BLVD
2. USE THE RIGHT LANE TO TURN SLIGHTLY RIGHT (SIGNS FOR TERMINAL EAST)
3. TURN LEFT ONTO E 80TH AVE
4. TURN RIGHT ONTO HARRY B COMBS PKWY
5. CONTINUE ONTO E 75TH AVE
6. TURN RIGHT ONTO JACKSON GAP RD
7. TURN LEFT ONTO THE RAMP TO I-70
8. MERGE ONTO PEÑA BLVD
9. KEEP LEFT TO STAY ON PEÑA BLVD
10. USE THE RIGHT LANE TO MERGE ONTO I-70 W
11. USE THE RIGHT LANE TO TAKE EXIT 282
12. TURN LEFT ONTO PEORIA ST
13. TURN LEFT ONTO E 39TH AVE
14. TURN RIGHT ONTO QUENTIN ST
15. TURN LEFT ONTO E 37TH AVE
16. TURN RIGHT TO STAY ON E 37TH AVE
17. YOUR DESTINATION WILL BE ON THE LEFT

PROJECT DESCRIPTION

T-MOBILE PROPOSES TO MODIFY AN EXISTING WIRELESS INSTALLATION. THE SCOPE WILL CONSIST OF THE FOLLOWING:

- INSTALL (6) NEW T-MOBILE PANEL ANTENNAS
- INSTALL (1) NEW T-MOBILE PLATFORM WITH HANDRAILS
- INSTALL (3) NEW T-MOBILE AHLOA RRUS @ ANTENNA LEVEL
- INSTALL (1) NEW T-MOBILE FXFB RRUS @ ANTENNA LEVEL
- INSTALL (1) NEW T-MOBILE COVP
- INSTALL (1) NEW T-MOBILE 1 5/8" HCS
- INSTALL (1) NEW T-MOBILE CONCRETE PAD
- INSTALL (4) NEW T-MOBILE FSMF, ASIA AND ABIL INSIDE (N) T-MOBILE AIRSCALE
- INSTALL (4) NEW T-MOBILE ABIA INSIDE (N) T-MOBILE AIRSCALE
- INSTALL (2) NEW T-MOBILE AIRSCALE OUTDOOR AMOB
- INSTALL (1) NEW T-MOBILE EQUIPMENT CABINET
- INSTALL (1) NEW T-MOBILE BATTERY CABINET
- INSTALL (1) NEW T-MOBILE CIENA BOX
- INSTALL (1) NEW T-MOBILE PPC CABINET
- INSTALL (1) NEW T-MOBILE GPS ANTENNA
- INSTALL (1) NEW T-MOBILE METER SOCKET
- INSTALL (1) NEW T-MOBILE H-FRAME

GENERAL NOTES

THE FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. HANDICAPPED ACCESS REQUIREMENTS ARE NOT REQUIRED IN ACCORDANCE WITH THE 2015 INTERNATIONAL BUILDING CODE. 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 NEW.

ENGINEERING

ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES.

- 2015 INTERNATIONAL BUILDING CODE
- 2015 INTERNATIONAL MECHANICAL CODE
- 2014 NATIONAL ELECTRICAL CODE

DO NOT SCALE DRAWINGS

SUBCONTRACTOR SHALL VERIFY ALL PLANS, EXISTING DIMENSIONS & FIELD CONDITIONS ON THE JOB SITE & SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.



COLORADO
811

Know what's below.
Call before you dig.

Call THREE Working Days Before You Dig!
811 / 1-800-922-1987
COLORADO811.ORG

CONSTRUCTION DRAWING

IF USING 11"X17" PLOT, DRAWINGS WILL BE HALF SCALE

DRAWING INDEX

SHEET NO:	SHEET TITLE
T-1	TITLE SHEET
GN-1	GENERAL NOTES
A-1	OVERALL SITE PLAN
A-2	ENLARGED SITE PLAN
A-3	ANTENNA LAYOUT
A-4	ELEVATIONS
A-5	ELEVATIONS
D-1	DETAILS
D-2	DETAILS
D-3	DETAILS
D-4	DETAILS
E-1	UTILITY ONE-LINE DIAGRAM & PPC PANEL SCHEDULE
G-1	GROUNDING PLANS
G-2	GROUNDING DETAILS
RF-1	CABLE LINE DIAGRAM

APPROVALS

THE FOLLOWING PARTIES HEREBY APPROVE AND ACCEPT THESE DOCUMENTS & AUTHORIZE THE SUBCONTRACTOR TO PROCEED WITH THE CONSTRUCTION DESCRIBED HEREIN. ALL DOCUMENTS ARE SUBJECT TO REVIEW BY THE LOCAL BUILDING DEPARTMENT & MAY IMPOSE CHANGES OR MODIFICATIONS.

T-MOBILE RF ENGINEER: _____ DATE: _____

T-MOBILE OPERATIONS: _____ DATE: _____

SITE ACQUISITION: _____ DATE: _____

CONSTRUCTION MANAGER: _____ DATE: _____

PROPERTY OWNER: _____ DATE: _____

ZONING: _____ DATE: _____

PROJECT MANAGER: _____ DATE: _____

- 1

(E) BUILDING, TYP.
- 2

(E) CHAINLINK FENCE
- 3

(E) TREE, TYP.
- 4

(E) RAIL TRACK
- 5

FOR ENLARGED SITE PLAN SEE:

A-2
- 6

(E) UTILITY EASEMENT, TYP.
- 7

(E) ACCESS EASEMENT
- 8

(N) UTILITY PATH (PENDING FINAL U.C.)

3

D-4

NOTES:

1. THE WIRELESS COMMUNICATION FACILITY COMPLIES WITH FEDERAL STANDARDS FOR RADIO FREQUENCY IN ACCORDANCE WITH THE TELECOMMUNICATION ACT OF 1996 AND SUBSEQUENT AMENDMENTS AND ANY OTHER REQUIREMENTS IMPOSED BY STATE OR FEDERAL REGULATORY AGENCIES.
2. NO EXISTING PARKING STALLS ARE BEING ADDED OR REMOVED AS PART OF THE NEW INSTALLATION.
3. THESE DRAWINGS WERE PRODUCED WITHOUT THE BENEFIT OF A CURRENT LAND SURVEY. ALL PROPERTY LINES, EASEMENTS, SETBACKS, AND EXISTING CONDITIONS ARE APPROXIMATE AND SHALL BE VERIFIED PRIOR TO START OF CONSTRUCTION.

DISCLAIMER:

THIS SET OF DRAWINGS WAS PREPARED UTILIZING INFORMATION OBTAINED FROM PUBLIC DOCUMENTS MADE AVAILABLE ON JURISDICTION WEBSITE. M SQUARED WIRELESS CANNOT GUARANTEE THE ACCURACY OF THE DATA AND INFORMATION DEPICTED AND HEREBY EXPRESSLY DISCLAIMS ANY RESPONSIBILITY FOR THE TRUTH, VALIDITY, INVALIDITY, ACCURACY, INACCURACY OF ANY SAID DATA AND INFORMATION. THE PARCEL LINES ON MAPS ARE FOR ILLUSTRATION PURPOSES ONLY AND ARE NOT INTENDED TO BE USED AS A SURVEY PRODUCT. USER ACCEPTS RESPONSIBILITY FOR THE UNAUTHORIZED USE OR TRANSMISSION OF ANY SUCH DATA OR INFORMATION IN ITS ACTUAL OR ALTERED FORM.



12920 SE 38TH ST
BELLEVUE, WA 98006



1387 CALLE AVANZADO
SAN CLEMENTE CA 92673 (949) 391-6824

DRAWN BY: NS

CHECKED BY: MM

REV	DATE	DESCRIPTION	BY
1	02/21/2019	100% CD'S FOR SUBMITTAL	MR
0	09/07/2018	90% CD'S FOR REVIEW	NS



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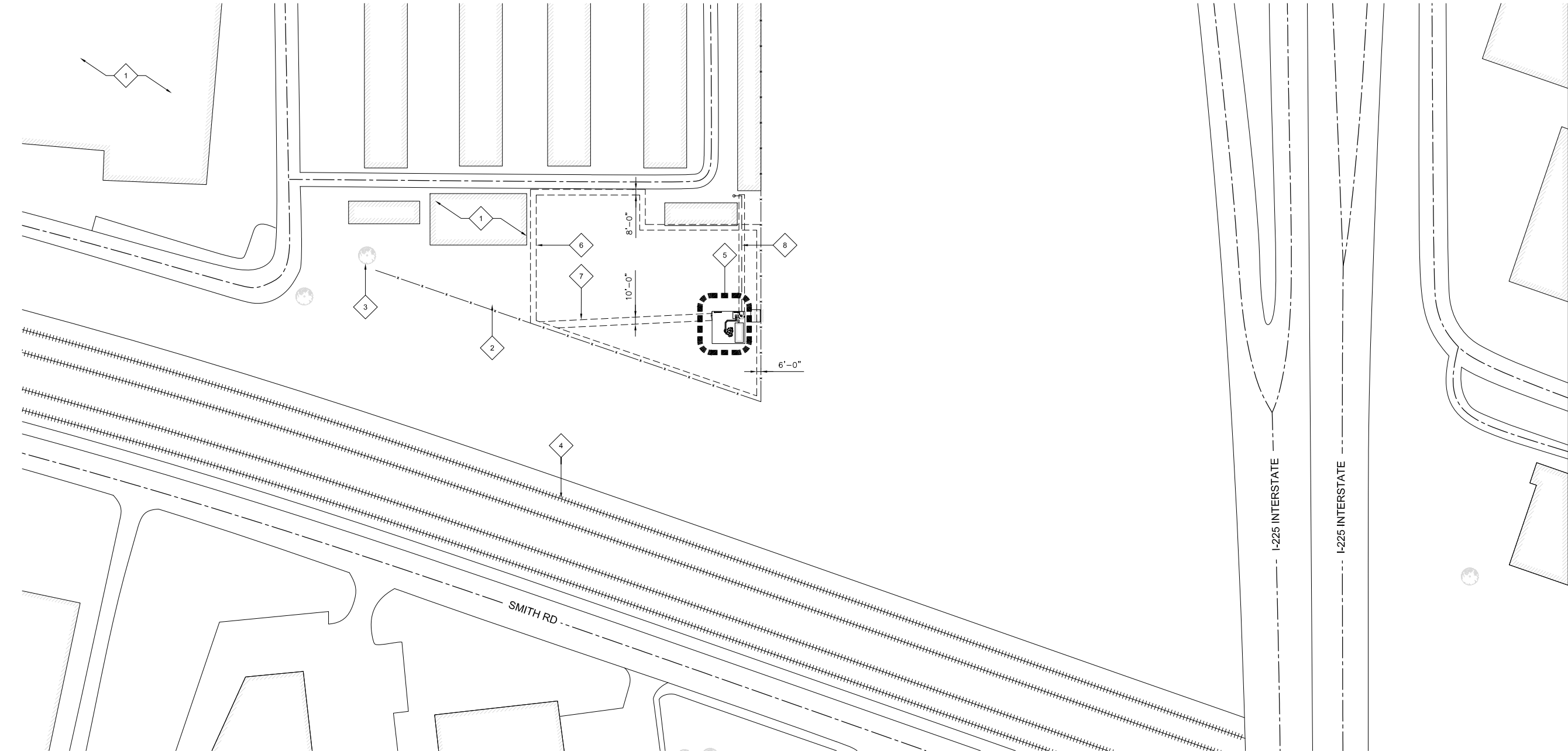
CO20571-A-03
T-MOBILE SITE ID: DN01706E
SBA COLLO- HACKSTAFF
13431 EAST 37TH AVENUE
AURORA CO 80239
MONOPOLE

SHEET TITLE
SITE PLAN AND
ENLARGED SITE PLAN

SHEET NUMBER

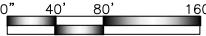
A-1

KEYNOTES:



SITE PLAN

24"x36" SCALE: 1" = 80'-0"
11"x17" SCALE: 1" = 160'-0"



- 1

(N) T-MOBILE ANTENNA AREA REFER TO

1
A-3
- 2

(E) WOOD FENCE ECLOSURE
- 3

(E) WOOD FENCE ACCESS GATE
- 4

(E) UTILITIES MOUNTED TO (E) H-FRAME
- 5

(E) EQUIPMENT SHELTER BY OTHERS
- 6

(E) ICE BRIDGE
- 7

(N) T-MOBILE 10'-0" X 15'-0" EQUIPMENT CONCRETE PAD

4
D-2
- 8

(N) T-MOBILE ICE BRIDGE

3
D-2
- 9

(N) T-MOBILE NSN HIGH CAB HCS;
(1) TOTAL

6
D-2
- 10

(N) T-MOBILE BATTERY CABINET,
(1) TOTAL

2
D-3
- 11

(N) T-MOBILE EQUIPMENT CABINET,
(1) TOTAL

1
D-3
- 12

(N) T-MOBILE AMOB TO BE
INSTALLED ON (N) POLE W/ (3)(N)
ABIA, (1)(N) FSMF

3
D-3
- 13

(N) T-MOBILE AMOB TO BE
INSTALLED ON (N) POLE W/ (2)(N)
ASIA, (1)(N) ABIL AND (1)(N) ABIA

3
D-3
- 14

(N) T-MOBILE COVP TO BE INSTALLED
TO (N) T-MOBILE H-FRAME

2
D-2

1
D-4
- 15

(N) T-MOBILE CINEA BOX TO BE
MOUNTED ON (N) H-FRAME

4
D-3

1
D-4
- 16

(N) T-MOBILE PPC CABINET TO BE
MOUNTED ON (N) H-FRAME

6
D-3

1
D-4
- 17

(N) T-MOBILE GPS ANTENNA TO BE
MOUNTED ON (N) H-FRAME

1
D-4

2
D-4
- 18

(N) METER SOCKET TO BE INSTALLED INSIDE
(E) METER MOUNTED ON (E) H-FRAME
- 19

(N) T-MOBILE H-FRAME

1
D-4

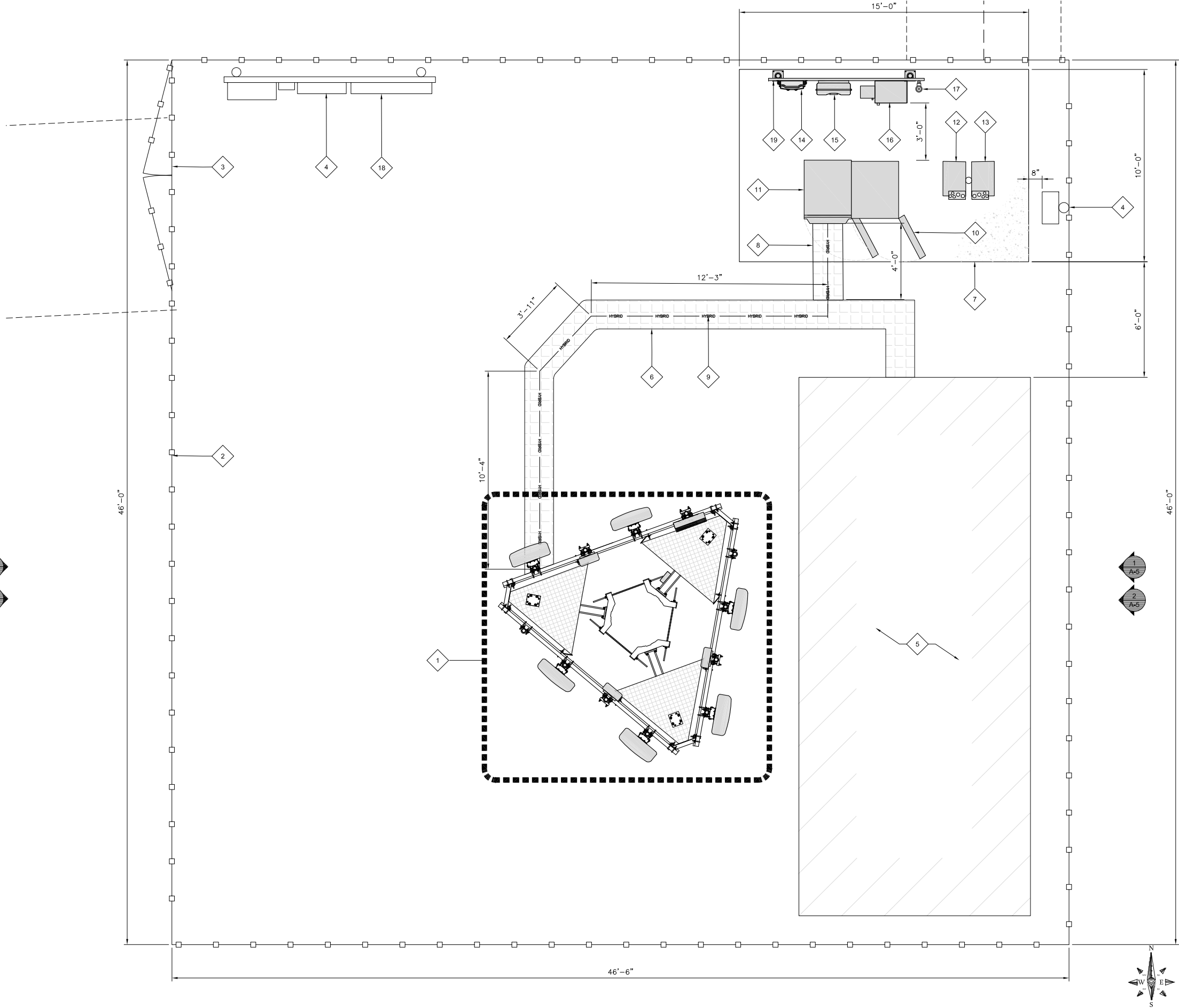
6
D-4



EQUIPMENT PHOTO

KEYNOTES:

ENLARGED SITE PLAN



T-Mobile

12920 SE 38TH ST
BELLEVUE, WA 98006



M SQUARED
WIRELESS

1387 CALLE AVANZADO
SAN CLEMENTE CA 92673 (949) 391-6824

DRAWN BY: NS

CHECKED BY: MM

REV	DATE	DESCRIPTION	BY
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0	09/07/2018	90% CD'S FOR REVIEW	NS



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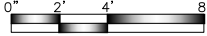
CO20571-A-03
T-MOBILE SITE ID: DN01706E
SBA COLLO- HACKSTAFF
13431 EAST 37TH AVENUE
AURORA, CO 80239
MONOPOLE

SHEET TITLE
EQUIPMENT LAYOUT

SHEET NUMBER

A-2

24"x36" SCALE: 1/4" = 1'-0"
11"x17" SCALE: 1/8" = 1'-0"



- 1

(E) MONOPOLE TO BE EXTENDED
- 2

(E) EQUIPMENT SHELTER BY OTHERS
- 3

(E) WOOD FENCE ECLOSURE
- 4

(E) PANEL ANTENNA BY OTHERS
- 5

(N) MONOPOLE EXTENSION
(DESIGNED AND ANALYZED BY OTHERS)
- 6

(N) T-MOBILE 8'-0" PANEL ANTENNA
MOUNTED ON (N) PIPE MOUNT; (1)
PER SECTOR, (3) TOTAL
- 7

(N) T-MOBILE MIMO PANEL ANTENNA
MOUNTED ON (N) PIPE MOUNT; (1)
PER SECTOR, (3) TOTAL
- 8

(N) T-MOBILE AHLOA RRU MOUNTED
ON (N) PIPE MOUNT; (1) PER
SECTOR, (3) TOTAL
- 9

(N) T-MOBILE PLATFORM WITH HANDRAIL
- 10

(N) T-MOBILE HYBRID CABLE; (1) TOTAL
- 3

D-1
- 7

D-1
- 4

D-4
- 2

D-1
- 7

D-1
- 4

D-4
- 4

D-1
- 1

D-2
- 6

D-1
- 6

D-1
- 6

D-2



TOWER PHOTO

NOTE:

1. NEW PANEL ANTENNAS AND ALL MOUNTING HARDWARE TO BE PAINTED TO MATCH EXISTING STRUCTURE IF REQUIRED. VERIFY PAINT MANUFACTURER AND FINISH WITH OWNER.

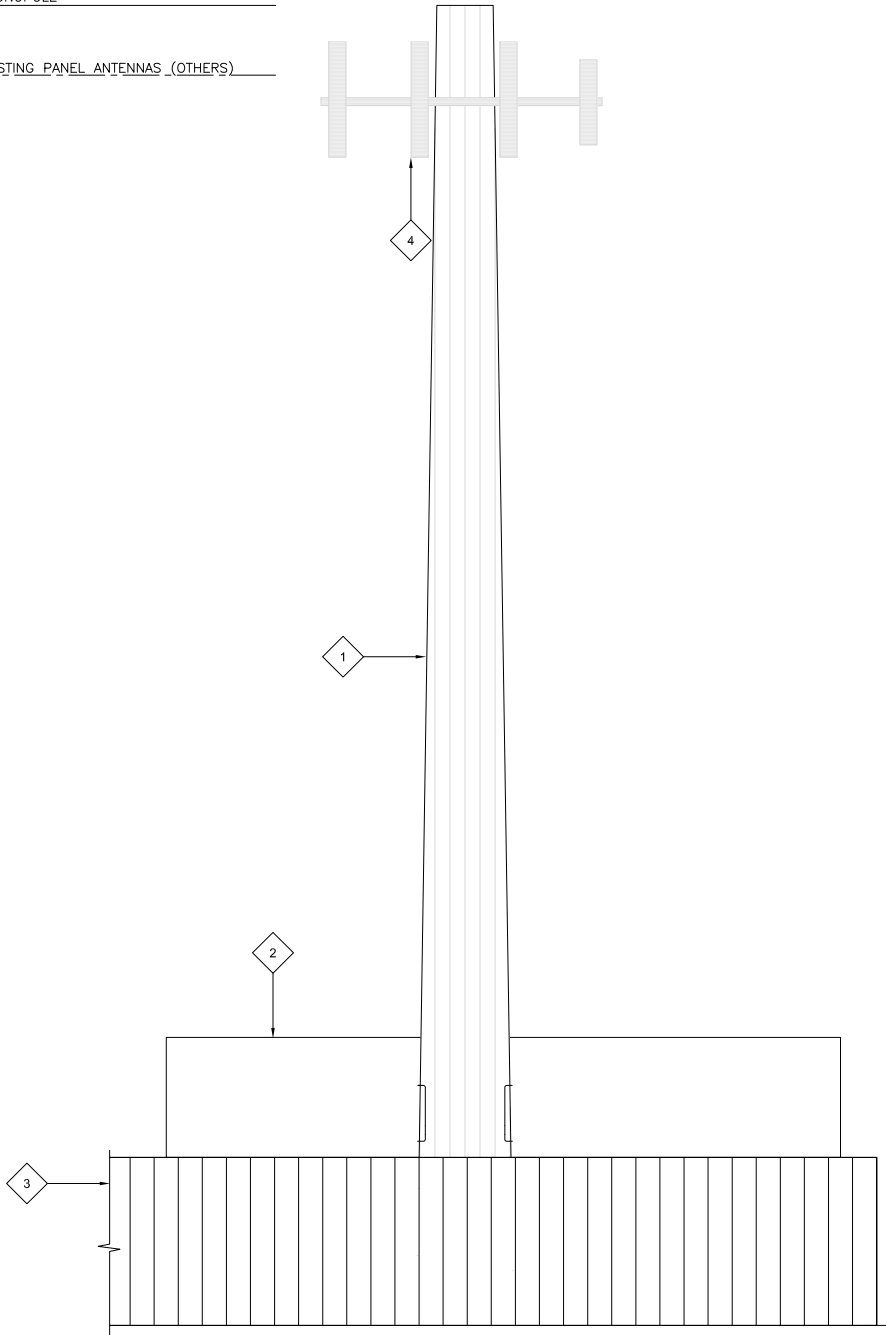
KEY NOTES

TOP OF EXISTING MONOPOLE

±55'-0" A.G.L.

RAD. CENTER OF EXISTING PANEL ANTENNAS (OTHERS)

51'-0" A.G.L.



EXISTING WEST ELEVATION

24"x36" SCALE: 1/4" = 1'-0"
11"x17" SCALE: 1/8" = 1'-0"



1

RAD. CENTER OF EXISTING PANEL ANTENNAS (OTHERS)

51'-0" A.G.L.

NOTES:

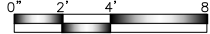
1. STRUCTURAL AND MOUNT ANALYSIS TO BE PERFORMED BY OTHERS.
2. NEW PANEL ANTENNA AND MOUNTING HARDWARE TO BE PAINTED TO MATCH EXISTING STRUCTURE.
3. PROVIDE ENGINEER OF RECORD COPY OF STRUCTURAL AND MOUNT CALCULATIONS FOR APPROVAL PRIOR TO COMMENCEMENT OF CONSTRUCTION.

GROUND LEVEL

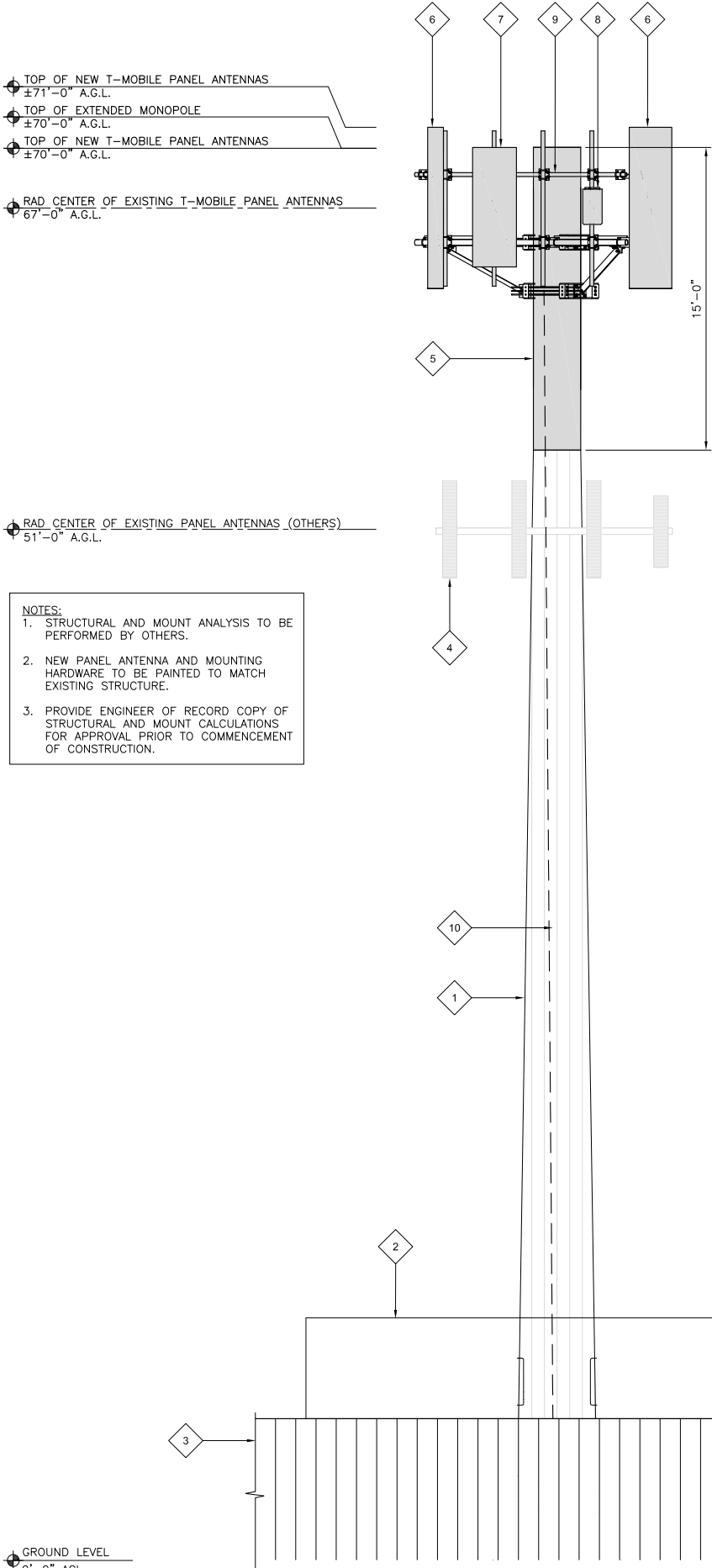
0'-0" AGL

NEW WEST ELEVATION

24"x36" SCALE: 1/4" = 1'-0"
11"x17" SCALE: 1/8" = 1'-0"



2



12920 SE 38TH ST
BELLEVUE, WA 98006



1387 CALLE AVANZADO
SAN CLEMENTE CA 92673 (949) 391-6824

DRAWN BY: NS

CHECKED BY: MM

REV	DATE	DESCRIPTION	BY
1	02/21/2019	100% CD'S FOR SUBMITTAL	MR
0	09/07/2018	90% CD'S FOR REVIEW	NS



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.

CO20571-A-03
T-MOBILE SITE ID: DN01706E
SBA COLLO- HACKSTAFF
13431 EAST 37TH AVENUE
AURORA, CO 80239
MONOPOLE

SHEET TITLE

ELEVATIONS

SHEET NUMBER

A-4

- 1

(E) MONOPOLE TO BE EXTENDED
- 2

(E) EQUIPMENT SHELTER BY OTHERS
- 3

(E) WOOD FENCE ECLOSURE
- 4

(E) PANEL ANTENNA BY OTHERS
- 5

(N) MONOPOLE EXTENSION
(DESIGNED AND ANALYZED BY OTHERS)
- 6

(N) T-MOBILE 8'-0" PANEL ANTENNA
MOUNTED ON (N) PIPE MOUNT; (1)
PER SECTOR, (3) TOTAL
- 7

(N) T-MOBILE MIMO PANEL ANTENNA
MOUNTED ON (N) PIPE MOUNT; (1)
PER SECTOR, (3) TOTAL
- 8

(N) T-MOBILE AHLOA RRU MOUNTED
ON (N) PIPE MOUNT; (1) PER
SECTOR, (3) TOTAL
- 9

(N) T-MOBILE PLATFORM WITH HANDRAIL
- 10

(N) T-MOBILE HYBRID CABLE; (1) TOTAL
- 3

7

4

D-1

D-1

D-4
- 2

7

4

D-1

D-1

D-4
- 4

1

D-1

D-2
- 6

6

D-1

D-1
- 6

D-2



TOWER PHOTO

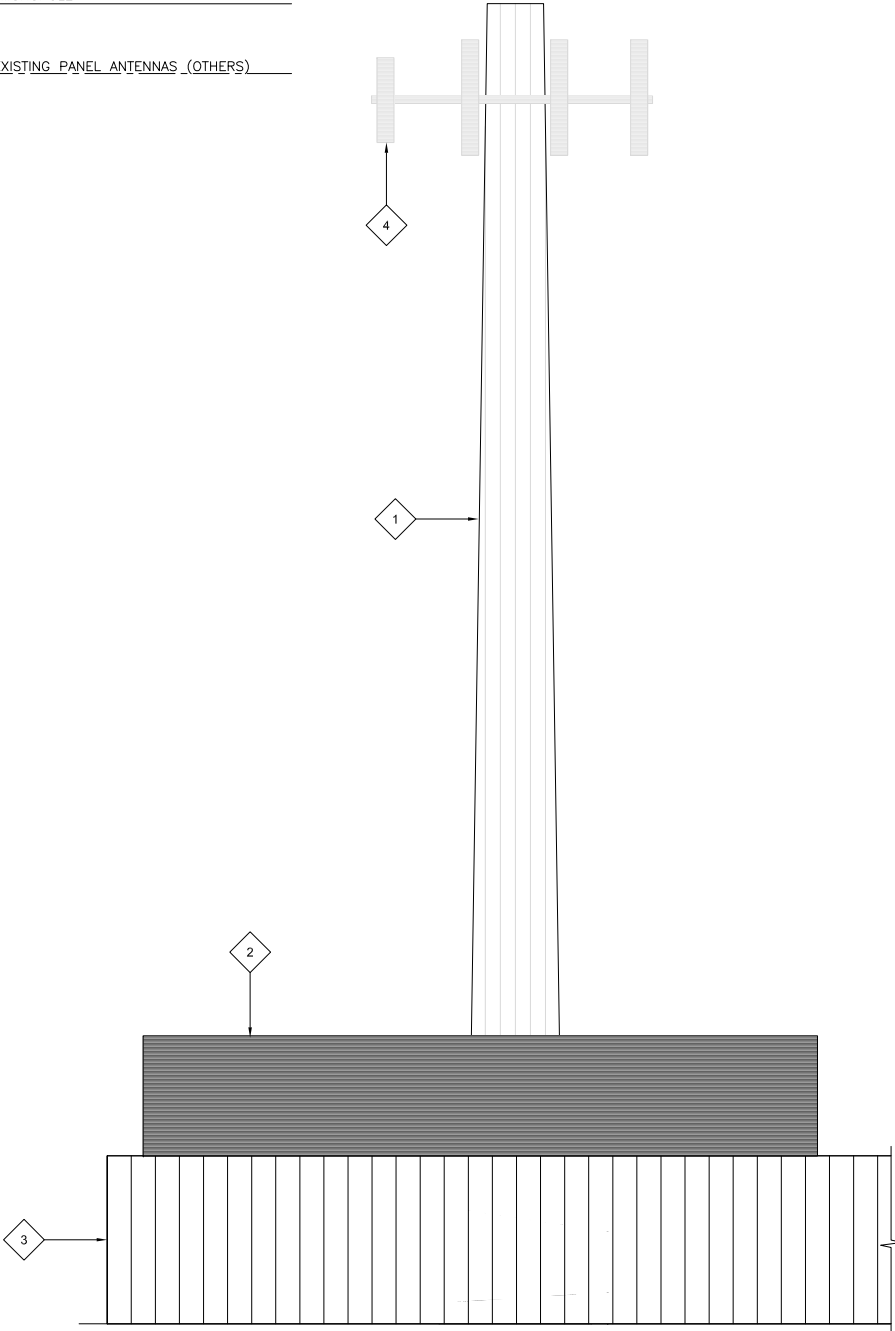
NOTE:

1. NEW PANEL ANTENNAS AND ALL MOUNTING HARDWARE TO BE PAINTED TO MATCH EXISTING STRUCTURE IF REQUIRED. VERIFY PAINT MANUFACTURER AND FINISH WITH OWNER.

KEY NOTES

TOP OF EXISTING MONOPOLE
±55'-0" A.G.L.

RAD. CENTER OF EXISTING PANEL ANTENNAS (OTHERS)
51'-0" A.G.L.



EXISTING EAST ELEVATION

24"x36" SCALE: 1/4" = 1'-0"
11"x17" SCALE: 1/8" = 1'-0"

0' 2' 4' 8'

1

TOP OF NEW T-MOBILE PANEL ANTENNAS
±71'-0" A.G.L.

TOP OF EXTENDED MONOPOLE
±70'-0" A.G.L.

TOP OF NEW T-MOBILE PANEL ANTENNAS
±70'-0" A.G.L.

RAD. CENTER OF EXISTING T-MOBILE PANEL ANTENNAS
67'-0" A.G.L.

RAD. CENTER OF EXISTING PANEL ANTENNAS (OTHERS)
51'-0" A.G.L.

NOTES:

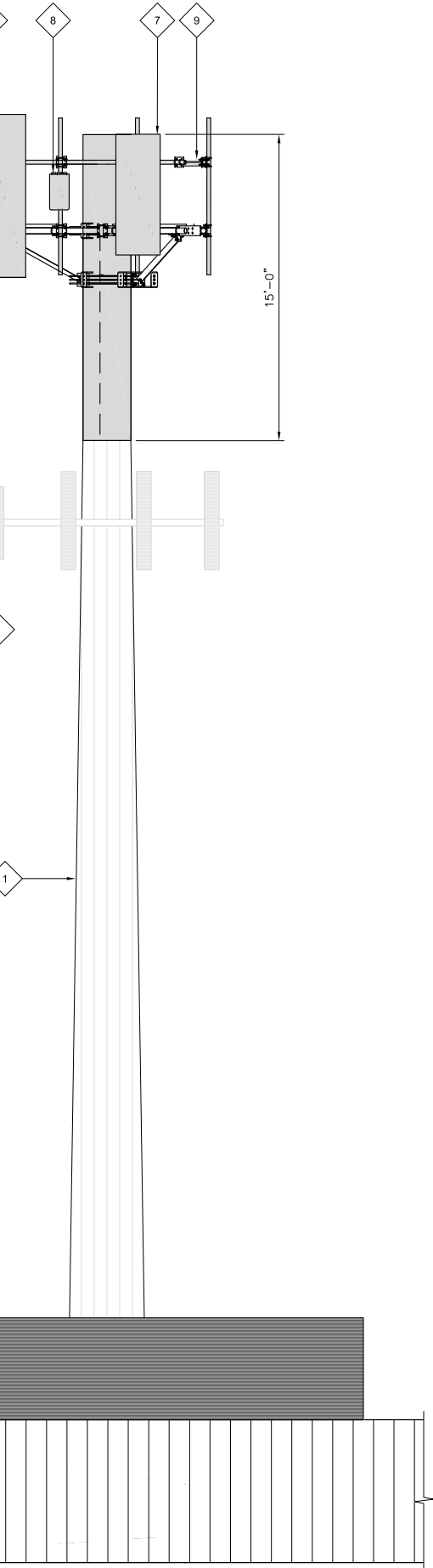
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3. PROVIDE ENGINEER OF RECORD COPY OF STRUCTURAL AND MOUNT CALCULATIONS FOR APPROVAL PRIOR TO COMMENCEMENT OF CONSTRUCTION.

GROUND LEVEL
0'-0" AGL

NEW EAST ELEVATION



24"x36" SCALE: 1/4" = 1'-0"
11"x17" SCALE: 1/8" = 1'-0"

0' 2' 4' 8'

2

T-Mobile

12920 SE 38TH ST
BELLEVUE, WA 98006

SBA

M SQUARED WIRELESS

1387 CALLE AVANZADO
SAN CLEMENTE CA 92673 (949) 391-6624

DRAWN BY:	NS
CHECKED BY:	MM

REV	DATE	DESCRIPTION	BY
1	02/21/2019	100% CD'S FOR SUBMITTAL	MR
0	09/07/2018	90% CD'S FOR REVIEW	NS

COLORADO LICENSED
LOYAL A. WHARTON
35272
PROFESSIONAL ENGINEER

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SBA COLLO- HACKSTAFF
13431 EAST 37TH AVENUE
AURORA, CO 80239
MONOPOLE

SHEET TITLE

ELEVATIONS

SHEET NUMBER

A-5