

Woodbury County Secondary Roads Department

759 E. Frontage Road • Moulton, Iowa 50039
Telephone (712) 279-6484 • (712) 873-3215 • Fax (712) 873-3235

2019 APR 23 PM 4 18

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4/9/19

COUNTY ENGINEER
Mark J. Nagra, P.E.

mnagra@woodburycountyia.gov

ASSISTANT TO THE COUNTY ENGINEER

Benjamin T. Kusler, E.I.T.

bkusler@woodburycountyia.gov

AUDITOR RECORDER SECRETARY

Tish Brice

tbrice@woodburycountyia.gov

WOODBURY COUNTY SECONDARY ROAD DEPARTMENT

PERMIT & AGREEMENT TO PERFORM WORK WITHIN WOODBURY COUNTY RIGHT OF WAY

Name of Permittee: USCOC of Greater Iowa, LLC Phone No.: 515-205-0037

Mailing Address: 12020 Ridgeman Dr., Urbandale, IA 50322

Township: 86 North Section: 29 and 30

Woodbury County, State of Iowa, and USCOC of Greater Iowa, LLC (hereinafter referred to as property owner, organization or authorized representative) do hereby enter into the following permit and agreement:

1. Woodbury County hereby consents to and grants permission to the property owner, organization or authorized representative, to conduct the following described construction or activities within the right-of-way:

To plow snow on the frontage road to access tower site;
as needed

2. In consideration of Woodbury County granting said permission and consent, the property owner, organization or authorized representative hereby promises and agrees to the following:

A. The applicant shall carry on the construction, repair and maintenance with serious regard to the safety of the traveling public and adjacent property owners.

B. The property owner, organization or authorized representative, at his/her own expense, shall provide all safety measures and warning devices necessary to protect the traveling public such as but not limited to, signs, lights, and barricades during the day and at night if the roadway will be obstructed. Traffic protection shall be in accordance with Part VI of the current Manual on Uniform Traffic Control Devices for Streets and Highways. The Department will loan the required signs to the applicant who shall be responsible for placing the signs and covering or removing when not in use, removal after the work has been completed, and return of the Department owned signs to the Department maintenance facility from which obtained. The applicant shall be responsible for correctly using signs as needed while work is in progress. Flagging operations are the responsibility of the applicant.

C. In placing any drainage structure, no natural drainage course will be altered or blocked.

D. The finished project shall be left in a satisfactory condition subject to the approval of the County Engineer. The traveled portion of the roadway shall not be damaged or disturbed. The property owner, organization or authorized representative assumes all liability and agrees to reimburse Woodbury County for any damage to the roadway or ditch caused by placement of this structure. Permittee is to call County Engineer for upon completion for final inspection.

E. The property owner, organization or authorized representative shall notify all appropriate telephone and utility companies in advance of any excavation and shall check for underground electric or telephone lines.

F. Woodbury County will not assume any of the cost of the construction of the said improvement or structure nor will Woodbury County assume any future costs for maintenance or replacement of said improvement or structure. If in the best interest of Woodbury County, the said improvement or structure may be removed by the County, or may be caused to be removed, without any obligation by Woodbury County to pay damages or cost of replacement.

G. Property owner, organization or authorized representative will reseed and mulch the disturbed areas. Property owner, organization or authorized representative will be responsible for seed, mulch, and labor unless otherwise provided in section L.

H. The property owner, organization, or authorized representative hereby agrees to hold Woodbury County and the Woodbury County Secondary Road Department, its employees and agents harmless against any and all claims for damages and personal injury arising out of work performed or actions taken by the applicant related to the construction or maintenance of the facility. The applicant further agrees to reimburse the County or the Department for any expenditures that the County or Department may have to make on said highway rights of way on account of said applicant's construction or maintenance activity or other activities or lack thereof. The applicant shall also save Woodbury County and the Woodbury County Secondary Road Department harmless of any damage or losses that may be sustained by the traveling public on account of such construction, repair or maintenance operations, or other activities.

I. FAILURE TO CONFORM TO OR TO ACQUIRE A PERMIT IS A VIOLATION OF SECTION 318.8, 2009 CODE OF IOWA. This permit is subject to any laws now in effect or any laws that may be hereafter enacted and all applicable rules and regulations of local, state and federal agencies. This permit is subject to all the rules and regulations of Woodbury County and the Woodbury County Secondary Road Department.

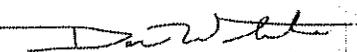
J. This permit is subject to revocation by the Department at any time and at no cost to the Department, when in the judgment of the Department it is necessary in the improvement or maintenance of the highway or for other reasonable cause.

K. All proposed work covered by this permit shall be at the applicant's expense. The applicant shall reimburse the Woodbury County Secondary Road Department for any materials removed from the highway right of way described as follows:

L. Woodbury County agrees to provide the following contribution toward completion of this project:

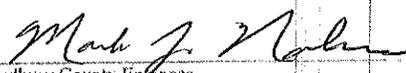
M. All work done by property owner, organization or authorized representative pursuant to this agreement shall be completed prior to the 31st day of December, 2019

Entered into this 9th day of April, 2019



Signature of Property Owner or Authorized Representative

Sr. Project Mgr.



Woodbury County Engineer



Chair, Woodbury County Board of Supervisors

STATE MAP SCALE: NONE

WOODBURY COUNTY

811
1-800-282-8680

U.S. Cellular

809321

SLOAN - CANDIDATE C

NORTH SIDE OF FRONTAGE ROAD HWY-141 - (NOT E-911 ADDRESS)
SLOAN, IA 51055 - WOODBURY COUNTY
PROJECT # 18-06-31-07
NEW SITE BUILD

SHEET INDEX

SHT. NO.	DESCRIPTION	REV. NO.
T-1	TITLE SHEET	0
N-1	GENERAL NOTES	0
N-2	GENERAL NOTES	0
N-3	GENERAL NOTES	0
N-4	GENERAL NOTES	0
N-5	GENERAL NOTES	0
N-6	GENERAL NOTES	0
N-7	SYMBOLS & ABBREVIATIONS	0
C-1.0	PARTIAL SITE PLAN	0
C-1.1	GRADING PLAN	0
C-2.0	COMPOUND PLAN	0
C-3.0	ELEVATION	0
C-4.0	ANTENNA INFORMATION & DETAILS	0
C-4.1	RDP INFORMATION (REF ONLY)	0
C-4.2	RF PLUMBING DIAGRAM (REF ONLY)	0
C-4.3	RAYCAP INFORMATION (REF ONLY)	0
C-4.4	EQUIPMENT INFORMATION (REF ONLY)	0
C-4.5	HYBRID & CBL COLOR CODING (REF ONLY)	0
C-4.6	CABLING INFO. & DETAILS (REF ONLY)	0
C-4.7	COAX CABLE BANDINGS DETAILS (REF ONLY)	0
C-5.0	PLATFORM LAYOUT	0
C-5.1	PLATFORM & DETAILS	0
C-5.2	PLATFORM DETAILS	0
C-6.0	ICE BRIDGE & DETAILS	0
C-7.0	FENCE DETAILS	0
C-8.0	FENCE DETAILS	0
C-9.0	CIVIL DETAILS	0
C-10.0	UTILITY SITE PLAN	0
C-10.1	ONE-LINE DIAGRAM	0
C-10.2	EQUIPMENT SCHEMATIC	0
C-11.0	ELECTRICAL DETAILS	0
C-12.0	GROUNDING PLAN	0
C-13.0	GROUNDING RISER	0
C-14.0	GROUNDING DETAILS	0
C-15.0	GROUNDING DETAILS	0
SUR-1	SITE SURVEY	0
SUR-2	SITE PLAN	0
SUR-3	LEASE AREA & EASEMENTS	0
SUR-4	DESCRIPTIONS	0
-	-	-
-	-	-
-	-	-

PROJECT TEAM

PROPERTY OWNER:
JAMES AND JAY KIRKENDALL
210 BUCKLEY
SLOAN, IOWA 51055
CONTACT:
JAMES KIRKENDALL
(712) 420-0680

PROJECT CONTACT:
U.S. CELLULAR
12020 RIDGEMONT DR.
URBANDALE, IA 50323
DAN WHITE
(515) 205-0037

DESIGN FIRM:
PBM WIRELESS SERVICES
3820 DEVELOPERS ROAD
INDIANAPOLIS, IN 46227
(815) 931-8288
JEFF PFAFF

ELECTRIC PROVIDER:
MIDAMERICAN ENERGY
(712) 676-3910

FIBER PROVIDER:
T.B.D.

ACCESS AND LOCATION INFORMATION

LATITUDE: N42° 13' 45.85" (42.2294037)
LONGITUDE: W96° 13' 54.75" (-96.231875)
ELEVATION AT GRADE: 1069'
TOWER TYPE: SELF-SUPPORT TOWER
SPECIAL ACCESS ISSUES: N / A
GATE COMBO: N / A

SCOPE OF WORK

TOWER SCOPE

PROPOSED U.S. CELLULAR TOWER EQUIPMENT:

- (3) FPHH-65C-R3 ANTENNAS
- (1) HYBRID CABLE
- (1) RAYCAP RUSDC-6287-PF-48
- (3) RRU-4449
- (3) SECTOR FRAMES

GROUNDING:

- TOP TOWER GROUND BAR
- MID-LEVEL GROUND BAR
- BOTTOM GROUND BAR

GROUND LEVEL WORK

PROPOSED SELF-SUPPORT TOWER
PROPOSED GRAVEL COMPOUND WITH CHAIN LINK FENCE.
PROPOSED GRAVEL ACCESS DRIVE.
PROPOSED MULTI-TENANT UTILITY RACK WITHIN THE FENCED COMPOUND.

PROPOSED U.S. CELLULAR ELEVATED STEEL PLATFORM w/ OUTDOOR EQUIPMENT CABINETS.

PROPOSED U.S. CELLULAR ICE BRIDGE AND FRAMING.

PROPOSED U.S. CELLULAR ELECTRICAL SERVICE AS OUTLINED IN THE ATTACHED PLANS.

PROPOSED U.S. CELLULAR COMMUNICATION SERVICE AS OUTLINED IN THE ATTACHED PLANS.

PROJECT DESCRIPTION DOES NOT INCLUDE ALL EQUIPMENT & MATERIALS FOR A COMPLETE INSTALLATION.



PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THE ENGINEERING DOCUMENT WAS PREPARED BY ME OR UNDER MY CLOSE PERSONAL SUPERVISION AND THAT I AM A LICENSED PROFESSIONAL ENGINEER IN THE STATE OF IOWA.

DESIGNED BY: MICHAEL J. TRELLO DATE: 02/27/19

NAME: MICHAEL J. TRELLO
LICENSE NUMBER: 23325

BY LICENSE REVISION DATE: 12/28/20
PLACES ON SHEETS COVERED BY THIS SEAL: (1) N-1, N-2, N-3, N-4, N-5, N-6, N-7, C-1.0, C-1.1, C-2.0, C-3.0, C-4.0, C-4.1, C-4.2, C-4.3, C-4.4, C-4.5, C-4.6, C-4.7, C-5.0, C-5.1, C-5.2, C-6.0, C-7.0, C-8.0, C-9.0, C-10.0, C-11.0, C-12.0, C-13.0, C-14.0, C-15.0, C-16.0, C-17.0, C-18.0, C-19.0, C-20.0, C-21.0, C-22.0, C-23.0, C-24.0, C-25.0, C-26.0, C-27.0, C-28.0, C-29.0, C-30.0, C-31.0, C-32.0, C-33.0, C-34.0, C-35.0, C-36.0, C-37.0, C-38.0, C-39.0, C-40.0, C-41.0, C-42.0, C-43.0, C-44.0, C-45.0, C-46.0, C-47.0, C-48.0, C-49.0, C-50.0, C-51.0, C-52.0, C-53.0, C-54.0, C-55.0, C-56.0, C-57.0, C-58.0, C-59.0, C-60.0, C-61.0, C-62.0, C-63.0, C-64.0, C-65.0, C-66.0, C-67.0, C-68.0, C-69.0, C-70.0, C-71.0, C-72.0, C-73.0, C-74.0, C-75.0, C-76.0, C-77.0, C-78.0, C-79.0, C-80.0, C-81.0, C-82.0, C-83.0, C-84.0, C-85.0, C-86.0, C-87.0, C-88.0, C-89.0, C-90.0, C-91.0, C-92.0, C-93.0, C-94.0, C-95.0, C-96.0, C-97.0, C-98.0, C-99.0, C-100.0, C-101.0, C-102.0, C-103.0, C-104.0, C-105.0, C-106.0, 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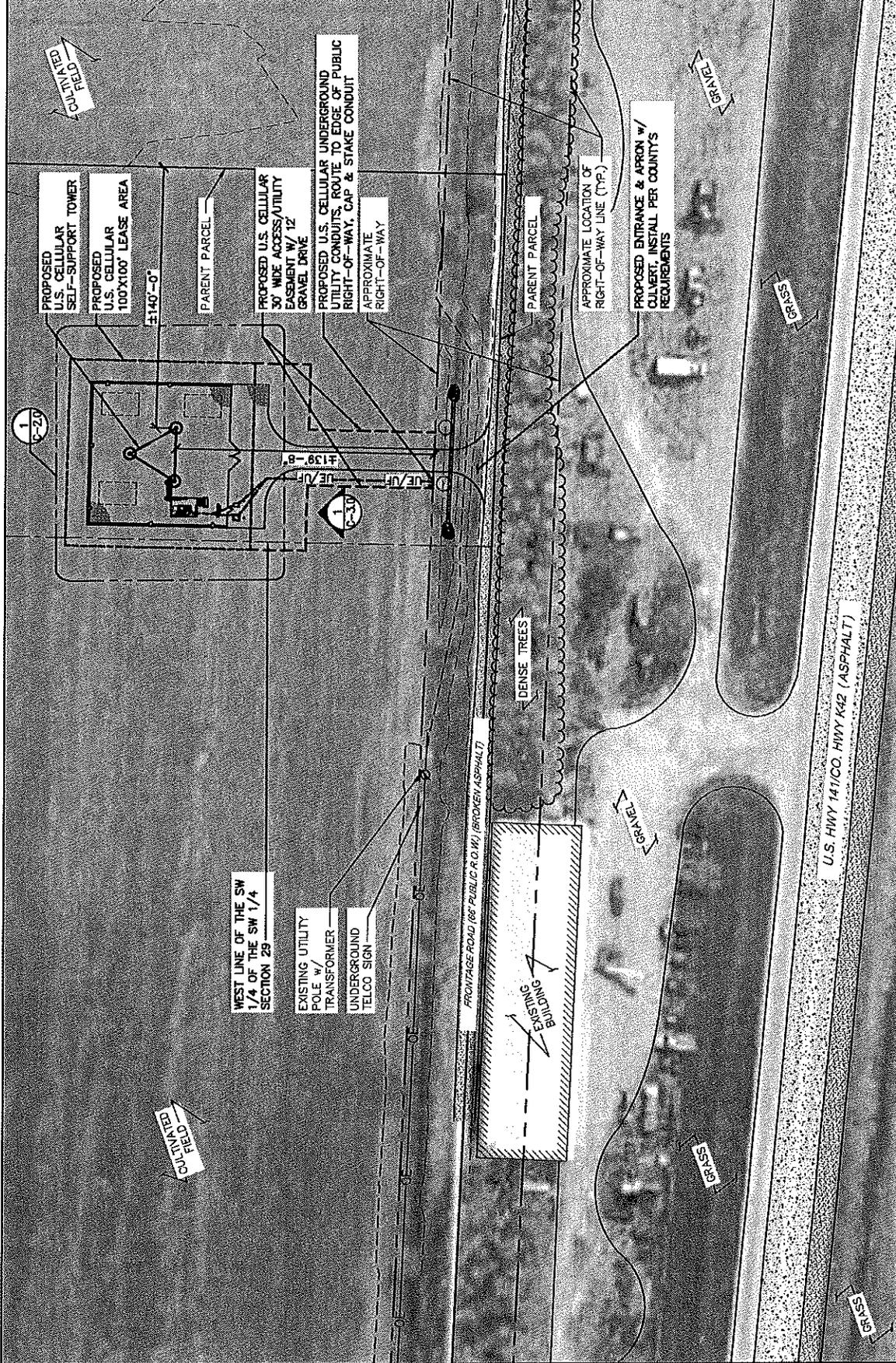
U.S. Cellular
 12020 REDGOMONT DRIVE
 URBANDALE, IA 50333



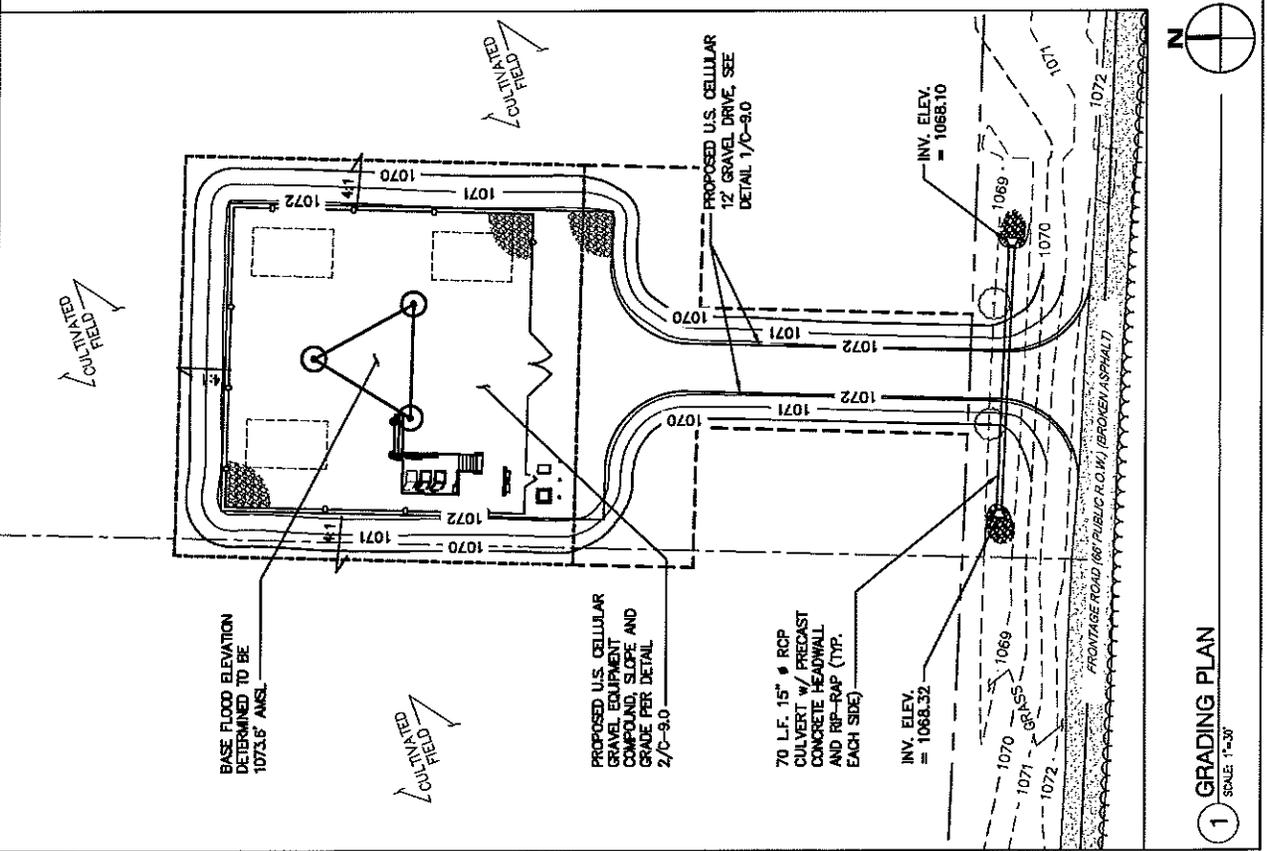
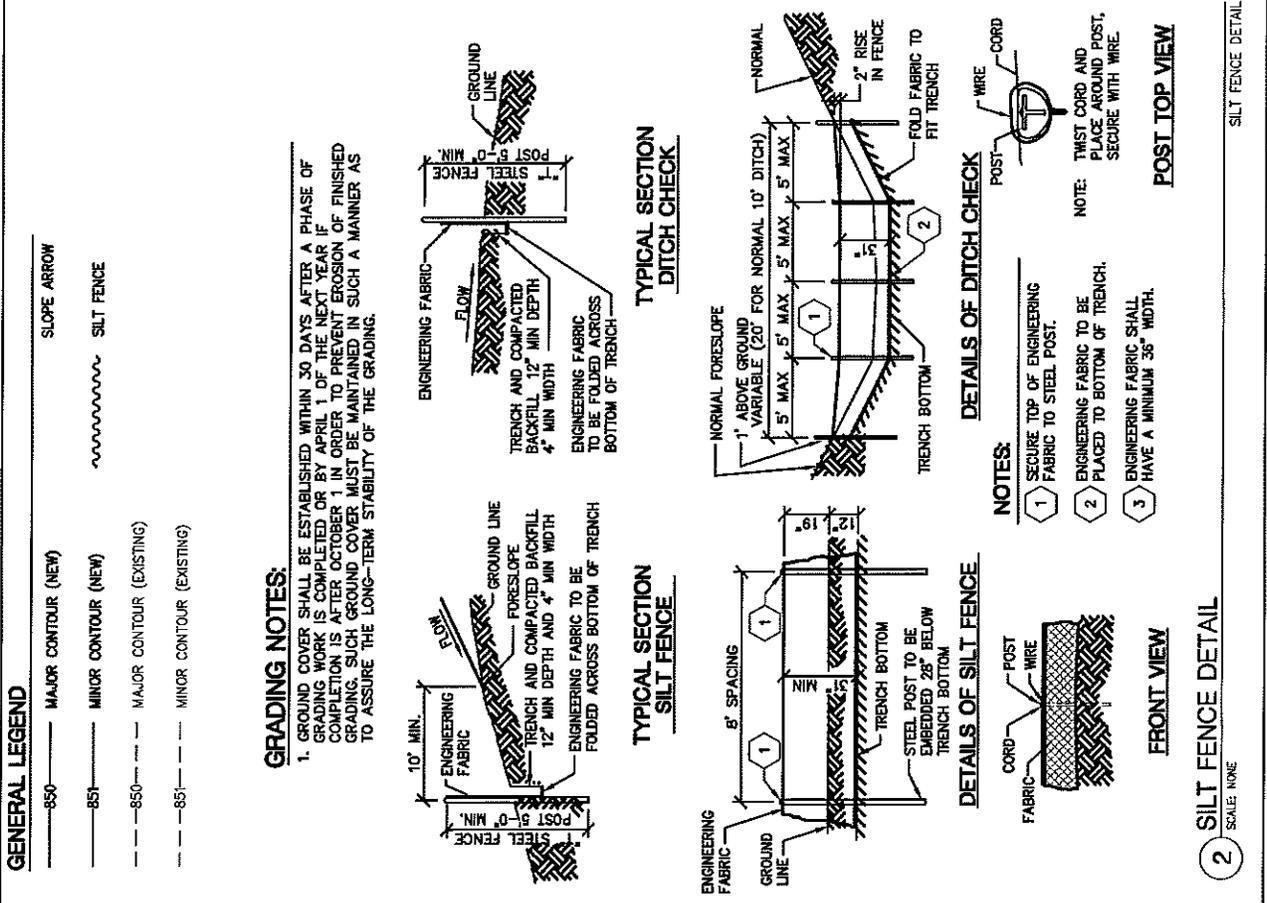
A	01/15/19	90% REMEW
B	02/11/19	BD/PERMIT

809321 - SLOAN - CANDIDATE C
 NORTH SIDE OF FRONTAGE ROAD HWY-141
 SLOAN, IA 51055 - WOODBURY COUNTY
 NEW SITE BUILD - SELF SUPPORT TOWER

SHEET TITLE
 PARTIAL
 SITE PLAN
 SHEET NUMBER
C-10



1 PARTIAL SITE PLAN
 SCALE: 1"=50'



1200 RIDGEMONT DRIVE
URBANDALE, IA 50333



A	01/07/19	INTERNAL REVIEW
B	01/15/19	90% REVIEW
C	02/11/19	BID/PERMIT

PROJ # 18-06-31-07
DWG BY: ST
CHKD BY: JAP

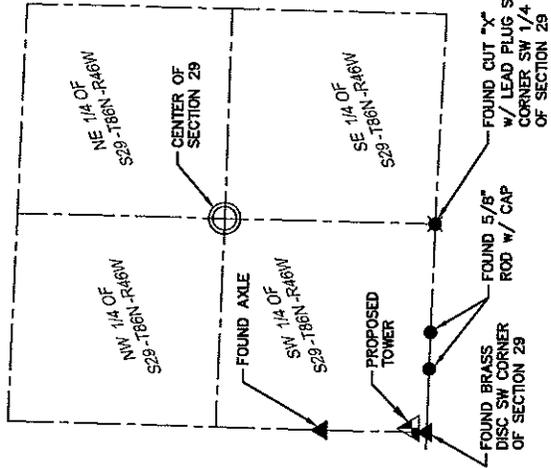
809321 - SLOAN - CANDIDATE C
NORTH SIDE OF FRONTAGE ROAD HWY-141
SLOAN, IA 51055 - WOODBURY COUNTY
NEW SITE BUILD - SELF SUPPORT TOWER

SHEET TITLE
SITE PLAN

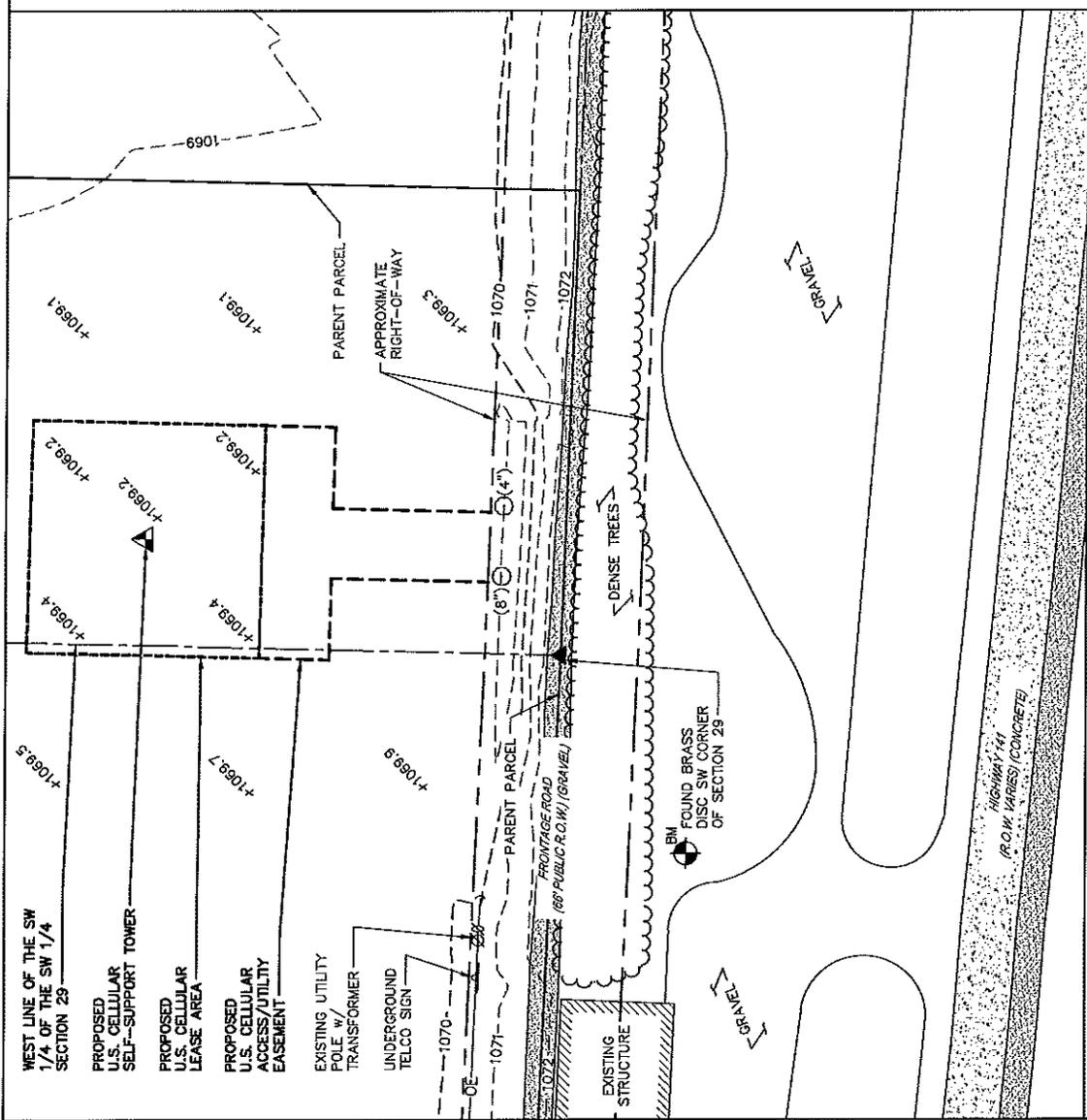
SHEET NUMBER
SUR-2

GENERAL LEGEND

- ▲ FOUND SECTION CORNER (AS NOTED)
- △ TOWER CENTERLINE
- BM BENCHMARK
- UTILITY POLE W/ TRANSFORMER
- GUY ANCHOR
- DECIDUOUS TREE
- EXISTING STRUCTURE
- OE ELECTRIC - OVERHEAD



SECTION 29 - T86N - R46W
SCALE: 1" = 100'



SITE PLAN
SCALE: 1" = 50'

U.S. Cellular
1203 RIDGEMONT DRIVE
URBANDALE, IA 50333



A	01/07/19	INTERNAL REVIEW
B	01/15/19	90% REVIEW
C	02/11/19	BID/PERMIT

809321 - SLOAN - CANDIDATE C
NORTH SIDE OF FRONTAGE ROAD HWY-141
SLOAN, IA 51055 - WOODBURY COUNTY
NEW SITE BUILD - SELF SUPPORT TOWER

PROJ # 18-06-31-07
DWG BY: ST
CHKD BY: JAP

SHEET TITLE
LEASE AREA & EASEMENTS
SUR-3



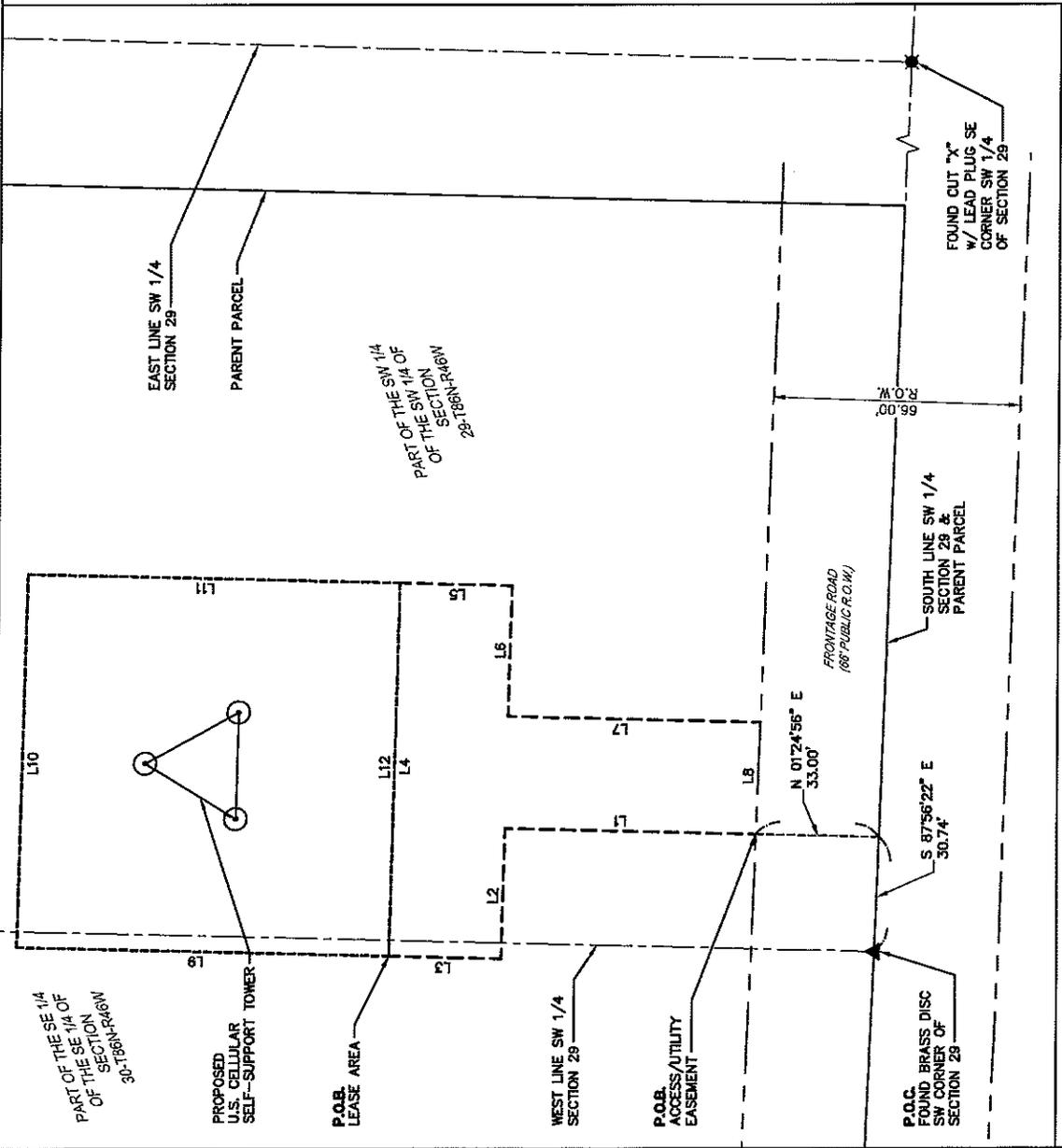
- BOUNDARY LEGEND**
- ▲ FOUND SECTION CORNER (AS NOTED)
 - ✱ FOUND OUT "X" (AS NOTED)
 - XX'XX MEASURED DISTANCE
 - P.O.C. POINT OF COMMENCEMENT
 - P.O.B. POINT OF BEGINNING

PROPOSED ACCESS/UTILITY EASEMENT LINE TABLE

LINE	DIRECTION	LENGTH
L1	N 01°24'56" E	67.59'
L2	N 88°35'04" W	35.00'
L3	N 01°24'56" E	30.00'
L4	S 88°35'04" E	100.00'
L5	S 01°24'56" W	30.00'
L6	N 88°35'04" W	35.00'
L7	S 01°24'56" W	67.92'
L8	N 87°56'23" W	30.00'

PROPOSED LEASE AREA LINE TABLE

LINE	DIRECTION	LENGTH
L9	N 01°24'56" E	100.00'
L10	S 88°35'04" E	100.00'
L11	S 01°24'56" W	100.00'
L12	N 88°35'04" W	100.00'



LEASE AREA & EASEMENTS
SCALE: 1" = 30'