



**US-CO-8093  
COLORADO SPRINGS**

**COL02266 MAIZELAND & MURRAY  
99'-3" MONOPOLE  
CO-LOCATE**

SITE INFORMATION	
APPLICANT:	VERTICAL BRIDGE DEVELOPMENT, LLC
CONTACT:	MATT GRUGAN PHONE: (719) 486-1866
VERTICAL BRIDGE SITE NAME:	COLORADO SPRINGS
SITE ADDRESS:	NEXT DOOR TO 2660 ORO BLANCO DR COLORADO SPRINGS, CO 80917
COUNTY:	EL PASO
JURISDICTION:	CITY OF COLORADO SPRINGS
SITE COORDINATES:	N 39° 22' 73.8" (LAT) W 104° 44' 18.5" (LONG)
STRUCTURE TYPE:	MONOPOLE
TOWER HEIGHT:	99'-3"
OVERALL STRUCTURE HEIGHT:	99'-3"
PROPERTY OWNER NAME:	MOUNTAIN STATES TELEPHONE & TELEGRAPH CO.
PROPERTY OWNER ADDRESS:	1801 CALIFORNIA ST STE 4600 DENVER CO 80202
PARCEL NUMBER:	6338300003
POWER COMPANY:	COLORADO SPRINGS UTILITIES GINNY HALVORSON (719-6684567)
KHA PIN:	TONY DAWSON

**BUILDING CODES AND STANDARDS**

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.

COLORADO BUILDING CODE: IBC 2015  
BUILDING/DWELLING CODE: IBC 2015  
PLUMBING CODE: IPC 2015  
MECHANICAL CODE: IMC 2015  
ELECTRIC CODE: NEC 2017  
FIRE/LIFE SAFETY CODE: NFPA  
DESIGN WIND SPEED:  
VULT = 90 MPH  
RISK CATEGORY: II C

RISK CATEGORY DESIGN WIND SPEEDS ARE BASED ON ASCE 7-10 CRITERIA FOR A 15-SECOND GUST REFER TO STRUCTURAL ANALYSIS IN THE EVENT A CONFLICT ARISES BETWEEN STANDARD REQUIREMENTS AND LISTED CODES. THE MORE RESTRICTIVE REQUIREMENT WILL TAKE PRECEDENCE.

**SPECIAL NOTES:**

FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. THEREFORE, HANDICAPPED ACCESS REQUIREMENTS NOT REQUIRED.

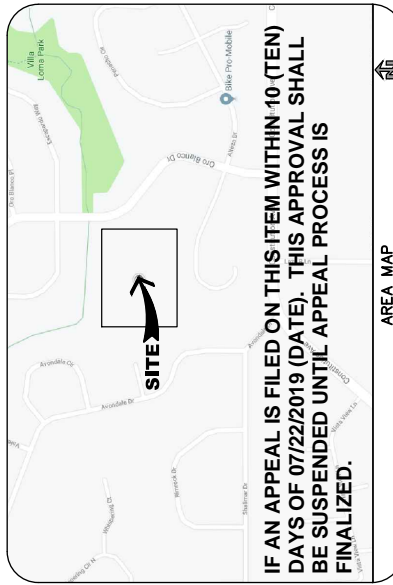
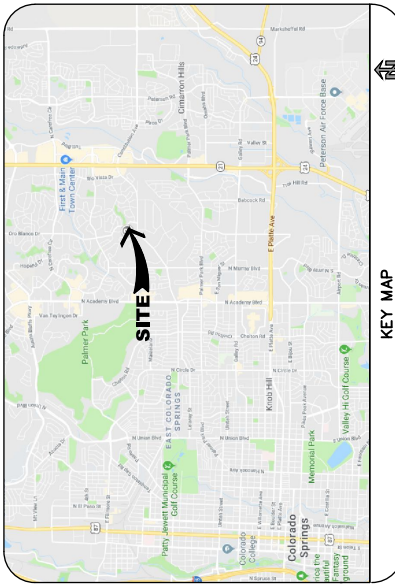
PLUMBING REQUIREMENTS:  
FACILITY HAS NO PLUMBING OR REFRIGERANTS.

FAA AND FCC REQUIREMENTS:  
FACILITY SHALL MEET OR EXCEED ALL FAA AND FCC REQUIREMENTS.

CONSTRUCTION REQUIREMENTS:  
ALL WORK MUST CONFORM TO VERTICAL BRIDGE DEVELOPMENT, LLC AND AT&T CONSTRUCTION INSTALLATION STANDARDS AND ALL APPLICABLE CODES AND ORDINANCES.

**PROJECT SCOPE OF WORK:**

THIS PROJECT CONSISTS OF THE REMOVAL AND REPLACEMENT OF A 99'-3" MONOPOLE AND THE INSTALLATION OF A 99'-3" MONOPOLE PROVIDED BY TOWER MANUFACTURER. SITE WORK INCLUDES INSTALLATION OF NEW LINES AND ANTENNAS, NEW EQUIPMENT PAD, AND ALL ASSOCIATED WORK.



**IF AN APPEAL IS FILED ON THIS ITEM WITHIN 10 (TEN) DAYS OF 07/22/2019 (DATE), THIS APPROVAL SHALL BE SUSPENDED UNTIL APPEAL PROCESS IS FINALIZED.**

**FIGURE 1**

SHEET INDEX	
SHEET NO.	TITLE DESCRIPTION
T-1	TITLE SHEET
GN-1	GENERAL NOTES AND ABBREVIATIONS
GN-2	GENERAL NOTES
LS-1	LAND SURVEY (BY OTHERS)
LS-2	LAND SURVEY (BY OTHERS)
C-1	EXISTING OVERALL SITE PLAN
C-2	PROPOSED OVERALL SITE PLAN
C-3	EXISTING ENLARGED SITE PLAN
C-4	PROPOSED ENLARGED SITE PLAN
C-5	SIGN DETAILS
S-1	TOWER ELEVATION AND DETAILS
S-2	ROAD, FENCE, AND COMPOUND SECTION
S-3	VEHICLE GATE DETAIL

REV.	DATE	DESCRIPTION	BY
3	06/10/19	REVISED PER COMMENTS	NAP
2	06/02/19	REVISED PER COMMENTS	NAP
1	05/15/19	REVISED PER COMMENTS	ROW
0	01/03/19	ISSUED FOR REVIEW	NAP

DESIGNED BY:	NAP	CHECKED BY:	CAR
DATE:	09/27/2019	PROJECT NUMBER:	096790000
ENGINEER SEAL:			

**VERTICAL BRIDGE DEVELOPMENT, LLC DEPARTMENTAL APPROVALS**

SIGNED: \_\_\_\_\_ DATE: \_\_\_\_\_  
 SIGNED: \_\_\_\_\_ DATE: \_\_\_\_\_  
 SIGNED: \_\_\_\_\_ DATE: \_\_\_\_\_  
 SIGNED: \_\_\_\_\_ DATE: \_\_\_\_\_  
 SIGNED: \_\_\_\_\_ DATE: \_\_\_\_\_  
 SIGNED: \_\_\_\_\_ DATE: \_\_\_\_\_

PRINTED NAME: \_\_\_\_\_  
 PLEASE CHECK:  NO CHANGES  CHANGES NEEDED (SEE PLANS)

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THE CONTRACTOR MUST VERIFY ALL FIELD MEASUREMENTS AND CONDITIONS PRIOR TO BID AND TO COMMENCEMENT OF CONSTRUCTION.

**verticalbridge**  
 750 PARK OF COMMERCE DRIVE  
 SUITE 200  
 BOCA RATON, FL 33487

**Kimley-Horn**  
 655 NORTH FRANKLIN STREET, SUITE 150  
 TAMPA, FL 33602  
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**JOHN HEIBERGER, PE**  
 CO PROFESSIONAL ENGINEER LC# 0050096

**COLORADO SPRINGS**  
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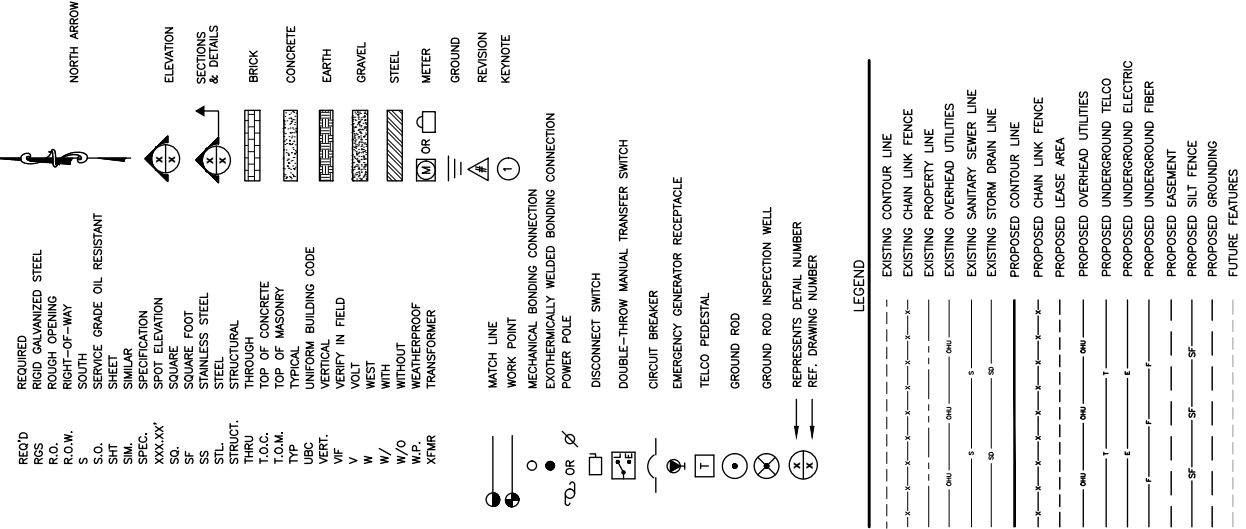
**TITLE SHEET**

SHEET NUMBER: T-1

**GENERAL NOTES**

1. THE CONTRACTOR SHALL GIVE ALL NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY, MUNICIPAL AND UTILITY COMPANY AND ALL APPLICABLE CODES, REGULATIONS, AND ORDINANCES. THE CONTRACTOR SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, AND ORDINANCES.
2. THE ARCHITECT/ENGINEER HAS MADE EVERY EFFORT TO SET FORTH IN THE CONSTRUCTION DOCUMENTS, COMMENTS, CONDITIONS OF CONTRACT, SPECIFICATIONS, AND DRAWINGS THE JOB IS NEARLY COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACCURACY OF ALL INFORMATION AND SPECIFICATIONS. THE CONTRACTOR SHALL NOT EXCLUDE SAID CONTRACTOR FROM COMPLETING THE PROJECT AND IMPROVEMENTS IN ACCORDANCE WITH THE INTENT OF THESE DOCUMENTS.
3. THE CONTRACTOR OR BIDDER SHALL BEAR THE RESPONSIBILITY OF NOTIFYING (IN WRITING) THE ARCHITECT/ENGINEER OF ANY DISCREPANCY OR CONFLICT IN THE CONSTRUCTION DOCUMENTS PRIOR TO THE COMMENCEMENT OF WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESOLVING ANY DISCREPANCY OR CONFLICT. THE CONTRACTOR SHALL PRICE THE MORE COSTLY OR EXTENSIVE WORK, UNLESS DIRECTED IN WRITING OTHERWISE.
4. THE CONTRACTOR'S SCOPE OF WORK SHALL INCLUDE FURNISHING ALL MATERIALS, EQUIPMENT, AND LABOR REQUIRED TO COMPLETE THE WORK/PROJECT AS DESCRIBED HEREIN.
5. THE CONTRACTOR SHALL VISIT THE JOB SITE PRIOR TO THE SUBMISSION OF BIDS OR PERFORMING WORK TO FAMILIARIZE HIMSELF WITH THE FIELD CONDITIONS AND TO VERIFY THE PROJECT REQUIREMENTS.
6. THE CONTRACTOR SHALL OBTAIN AUTHORIZATION TO PROCEED WITH CONSTRUCTION DRAWING/CONTRACT DOCUMENTS.
7. THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS ACCORDING TO THE MANUFACTURER'S INSTALLATION AND OPERATION MANUALS. THE CONTRACTOR SHALL PROVIDE SERVICES FOR OFF LOADING AND PLACEMENT OF SHELTER IN ACCORDANCE WITH MANUFACTURER'S LIFTING PROCEDURES.
8. THE CONTRACTOR SHALL MAINTAIN A FULL SET OF CONSTRUCTION DOCUMENTS AT THE SITE UPDATED WITH THE LATEST REVISIONS AND ADDENDA OR CLARIFICATIONS AVAILABLE FOR USE BY ALL PERSONNEL WORKING WITH THE PROJECT; REDLINED AS-BUILT'S ARE TO BE DELIVERED TO THE CLIENT AT CLOSEOUT.
9. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE PROJECT DESCRIBED HEREIN. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND INSPECTIONS WHICH MAY BE REQUIRED FOR THE WORK BY THE ARCHITECT/ENGINEER, THE STATE, COUNTY OR LOCAL GOVERNMENT AUTHORITY.
11. THE CONTRACTOR SHALL MAKE NECESSARY PROVISIONS TO PROTECT EXISTING IMPROVEMENTS, EASEMENTS, PAVING, CURBING, ETC. DURING CONSTRUCTION. UPON COMPLETION OF WORK, THE CONTRACTOR SHALL REPAIR ANY DAMAGE THAT MAY HAVE OCCURRED DUE TO CONSTRUCTION ON OR ABOUT THE PROPERTY.
12. THE CONTRACTOR SHALL KEEP THE GENERAL WORK AREA CLEAN AND HAZARD FREE DURING CONSTRUCTION. EXCESS MATERIALS, DEBRIS, RUBBER, AND REMOVABLE EQUIPMENT SHALL BE SPECIFIED AS REMAINING ON THE PROPERTY. PREMISES SHALL BE LEFT IN CLEAN CONDITION AND FREE FROM PAINT SPOTS, DUST, OR SMUDGES OF ANY NATURE.
13. THE CONTRACTOR SHALL COMPLY WITH ALL OSHA REQUIREMENTS AS THEY APPLY TO THIS PROJECT.
14. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS, PROPERTY LINES, ETC. ON THE JOB.
15. FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION (HANDICAPPED ACCESS NOT REQUIRED).
16. FACILITY HAS NO PLUMBING.
17. PRIOR TO OR UPON ENTERING INTO THE SITE COMPOUND, THE PERSONNEL ENTERING THE SITE AND THE SHELTER ARE TO CONTACT THE SWITCH AND THE CLIENT NOTICING THEM OF THE FOLLOWING INFORMATION: WHO IS ENTERING THE SHELTER AND WHAT COMPANY THEY ARE WITH, WHY THEY ARE ENTERING THE SHELTER AND HOW LONG THEY PLAN TO BE AT THE SHELTER.
18. UPON LEAVING THE SHELTER, THE "SITE" PERSONNEL ARE TO CONTACT THE SWITCH AND CLIENT NOTICING THEM OF DEPARTURE.
19. SHOULD THE SHELTER ACCESS OCCUR WHILE THE SWITCH IS UNMANNED, THEN AT MINIMUM THE CLIENT NOC WILL BE NOTIFIED OF THE ABOVE INFORMATION.
20. ALL INSTALLATION DEBRIS AND TRASH SHALL BE REMOVED FROM THE SITE ON A DAILY BASIS. ANY SUBCONTRACTOR IS INCURRED BY CLIENT FOR TRASH REMOVAL WILL BE BACK-CHARGED TO THE SUBCONTRACTOR.
21. THE CONTRACTOR SHALL NOTIFY ENGINEER, WHERE A CONFLICT OCCURS ON ANY OF THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESOLVING ANY CONFLICT OF THE WORK THAT IS IN CONFLICT UNTIL CONFLICT IS RESOLVED BY THE CONSTRUCTION MANAGER.
22. ALL ANTENNA OUTAGES MUST BE PLANNED AT A MINIMUM OF 24 HOURS IN ADVANCE. CONTRACTOR MUST CONTACT THE SWITCH AND THE NOC TO COORDINATE. IF THIS POLICY IS NOT ADHERED TO, THE CONTRACTOR WILL BE REMOVED FROM THE BIDDER'S LIST AND ANY OPPORTUNITY FOR FUTURE WORK.

A/C	AIR CONDITIONING	RE/C	REQUIRED		
ADJ.	ADJUSTABLE	RGS	ROUGH GALVANIZED STEEL		
APP.	APPROXIMATELY	R.O.W.	ROUGH OPENING		
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS	S	RIGHT-OFF-WAY		
AWG	AMERICAN WIRE GAUGE	S.O.	SECTE GRADE OIL RESISTANT		
BTS	BUILDING TRANSMISSION STATION	S.M.	SECTE		
BLDG.	BUILDING	S.M.	SIMILAR		
BLK.	BLOCK	SPEC.	SPECIFICATION		
B/S	BUILDING STANDARD	XXX'X"	SPOT ELEVATION		
CBGB	GROUND BAR	SF	SQUARE FOOT		
CLG	CELLING	SS	STAINLESS STEEL		
CLC.	CLEAR	STL	STEEL		
CONC.	CONCRETE	THRU	STRUCTURAL		
CONST.	CONSTRUCTION	T.O.C.	TOP OF CONCRETE		
C.F.S.	CONTRACTOR FURNISHED CONTRACTOR INSTALLED	T.O.M.	TOP OF MASONRY		
DIA.	DIAMETER	UBC	UNIFORM BUILDING CODE		
DIAG.	DIAGONAL	VERT.	VERTICAL		
DN	DOWN	V.F.	VERIFY IN FIELD		
DTL.	DETAIL	W	WEST		
DWG.	DRAWING	W/	WITHOUT		
EA.	EACH	W.P.	WEATHERPROOF		
EL.	ELEV.	XPR	TRANSFORMER		
ELECT.	ELECTRICAL				
EMT	ELECTRICAL METALLIC TUBING				
EQ.	EQUAL				
EQUIP.	EQUIPMENT				
E.W.	EACH WAY				
EXST.	EXISTING				
EXT.	EXTENSION				
FL.	FLOOR				
FLR.	FLOOR				
FT.	FOOT				
GRC.	GALVANIZED RIGID CONDUIT				
G. OR GRD.	GROUND				
GA.	GALVANIZED				
GALV.	GALVANIZED				
GC.	GENERAL CONTRACTOR				
GEN.	GENERAL CONTRACTOR				
HERZ.	HORIZONTAL				
H.	HEIGHT				
HT.	HEATING, VENTILATING AND AIR CONDITIONING				
I.D.	INSIDE DIA.				
IN.	INCH				
INFO	INFORMATION				
INSUL.	INSULATION				
INT.	INTERIOR				
KVA	KILOVA				
KW	KILOWATT				
LB(S)	POUND(S)				
MB	MAXIMUM				
MAX.	MAXIMUM				
MECH.	MECHANICAL				
MFR.	MANUFACTURER				
MGR.	MANAGER				
MIN.	MINIMUM				
MISC.	MISCELLANEOUS				
MTC.	METRIC				
NEC.	NATIONAL ELECTRICAL CODE				
NEUT.	NEUTRAL				
N	NORTH				
NA	NOT APPLICABLE				
NIC	NOT IN CONTRACT				
NOC	NETWORK OPERATIONS CENTER				
NPS	NOMINAL PIPE SIZE				
O.C.S.	OWNER PERMITTED CONTRACTOR INSTALLED				
OC. O/C	OWNER PERMITTED CONTRACTOR INSTALLED				
OD	OUTSIDE DIAMETER				
OHP	OVERHEAD POWER				
OHT	OVERHEAD TELEPHONE				
OHU	OVERHEAD UTILITY LINES				
PLYWD.	PLYWOOD				
PR	PROJECT				
PVC	POLYVINYL CHLORIDE				
PROP	PROPERTY				
PT	PRESSURE TREATED				
RECP.	RECEPTACLE				



750 PARK OF COMMERCE DRIVE  
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NAP \_\_\_\_\_ CAR \_\_\_\_\_

DNA PROJECT NUMBER: 096790000

ENGINEER SEAL: \_\_\_\_\_

3/7/22/2019 1:43:22 PM

JOHN HEIBERGER, PE  
CO PROFESSIONAL ENGINEER LC# 0050096

COLORADO SPRINGS  
US-CO-8093  
COL02266 MAZELAND & MURRAY  
NEXT DOOR TO 2660 ORO BLANCO  
DR  
COLORADO SPRINGS, CO 80917

SHEET TITLE: \_\_\_\_\_

**GENERAL NOTES AND ABBREVIATIONS**

SHEET NUMBER: \_\_\_\_\_

GN-1

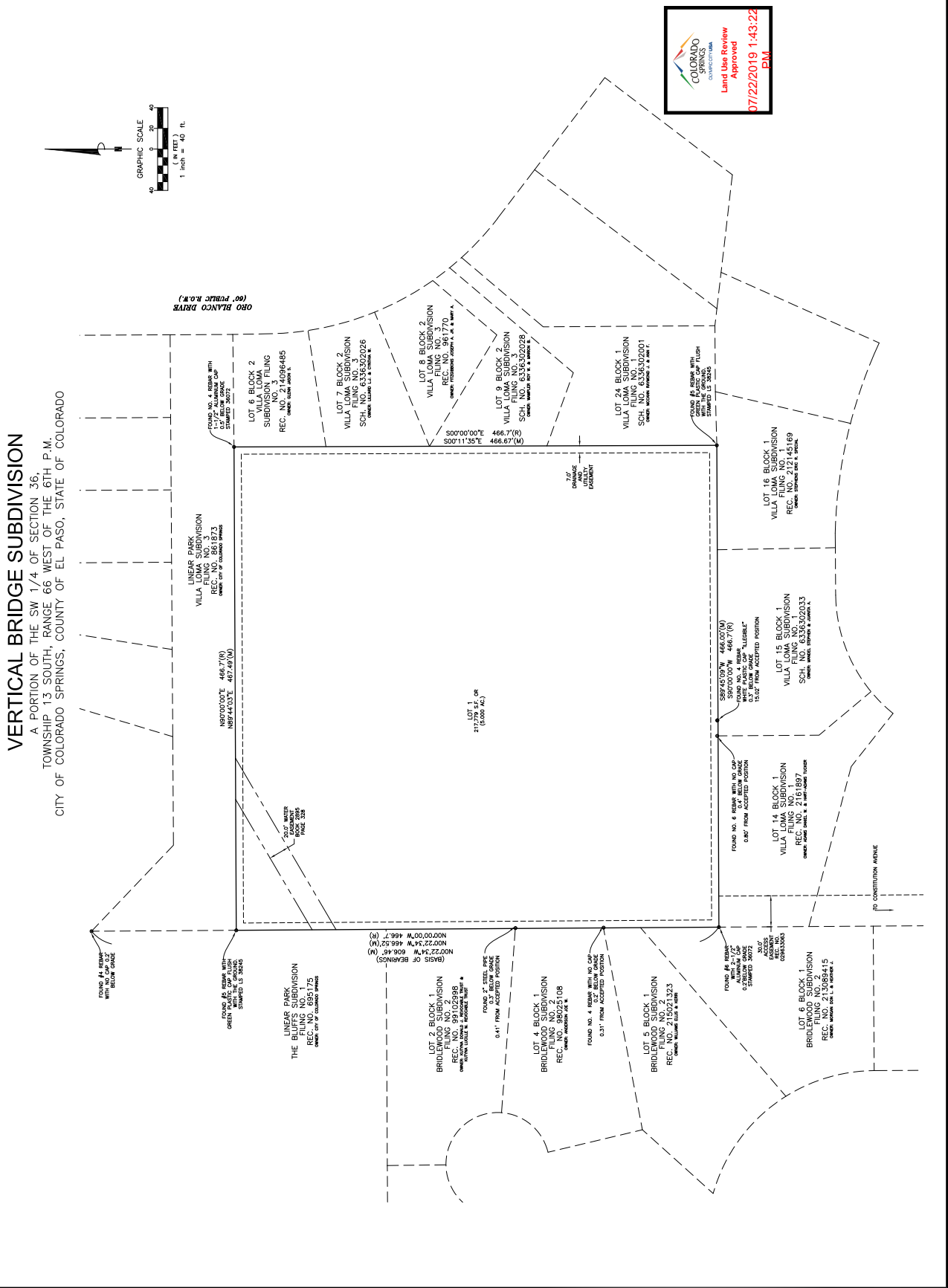
**FIGURE 1**





**VERTICAL BRIDGE SUBDIVISION**  
 A PORTION OF THE SW 1/4 OF SECTION 36,  
 TOWNSHIP 13 SOUTH, RANGE 66 WEST OF THE 6TH P.M.,  
 CITY OF COLORADO SPRINGS, COUNTY OF EL PASO, STATE OF COLORADO

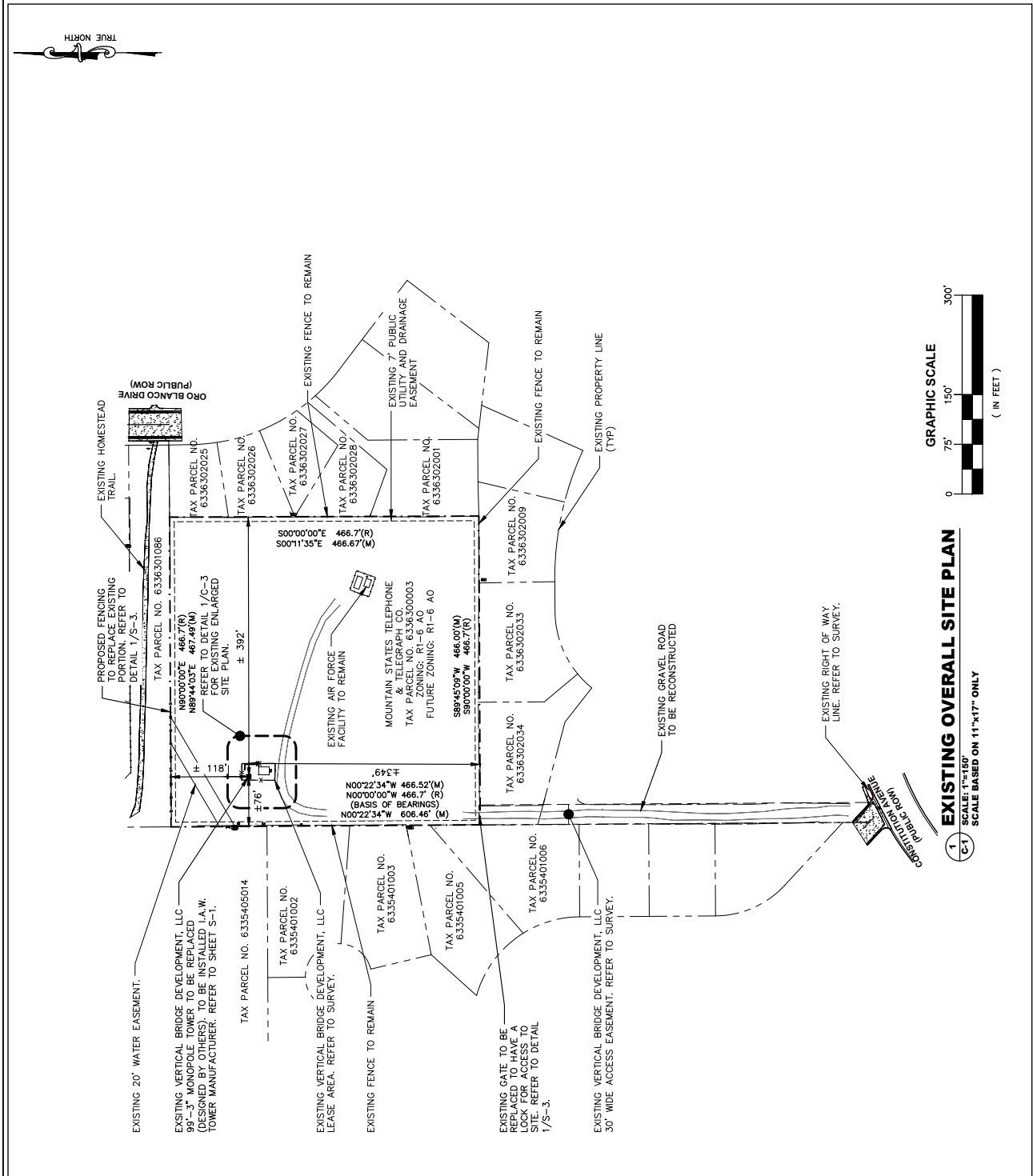
Project 181353		Checked By: SLM
City of Colorado Springs, County of El Paso, State of Colorado		Date: 12/27/2018
Notice: According to Colorado law you must be compensated more than one year from the date of the certification shown hereon. Any action based upon any defect in this survey or the discoverable defect in no event may be commenced more than three years after the date of the certification shown hereon.		
No.	Description	By



**FIGURE 1**



THE CONTRACTOR MUST FIELD VERIFY ALL MEASUREMENTS AND FIELD CONDITIONS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.



**verticalbridge**  
 750 PARK OF COMMERCE DRIVE  
 SUITE 200  
 BOCA RATON, FL 33487

**Kimley-Horn**  
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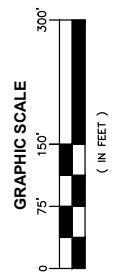
**COLORADO SPRINGS COMPACTURA**  
 Land Use Review  
 Approved  
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**JOHN HEIBERGER, PE**  
 CO PROFESSIONAL ENGINEER LIC.# 00550096  
 PROJECT INFORMATION:

**COLORADO SPRINGS**  
 US-CO-8093  
 COL02266 MAZELAND & MURRAY  
 NEXT DOOR TO 2660 ORO BLANCO DR  
 COLORADO SPRINGS, CO 80917

SHEET TITLE:  
**EXISTING OVERALL SITE PLAN**

SHEET NUMBER:  
**C-1**



**EXISTING OVERALL SITE PLAN**  
 SCALE: 1"=150'  
 SCALE BASED ON 11"x17" ONLY

**FIGURE 1**

**FLOOD ZONE INFORMATION**

FLOOD ZONE: X  
 PANEL NUMBER: 08041C0751G  
 DATE: 12/7/18  
 FLOOD ELEV. N/A

THE CONTRACTOR MUST FIELD VERIFY ALL CONDITIONS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.

EXISTING 20' WATER EASEMENT.

DIRECTION	REQUIRED SETBACK	TOWER SETBACK
NORTH	118'	118'
SOUTH	349'	349'
EAST	392'	392'
WEST	76'	76'
AIRPORT	MI	MI
MILITARY	—	MI

- NOTES.**
- THE PROPERTY SHOWN HEREON FALLS WITHIN FLOOD ZONE X AS SHOWN ON THE FLOOD INSURANCE RATE MAP, COMMUNITY PANEL NUMBER 08041C0751G, DATED 12/7/18. NO FIELD MEASUREMENTS WERE USED IN THIS DETERMINATION.
  - DEVELOPED AREA: PROPOSED GRAVEL DRIVE = ±1,368 S.F. PROPOSED 100' X 100' LEASE AREA = ±10,000 S.F. PROPOSED 50' X 50' GRAVEL COMPOUND = ±2,500 S.F. TOTAL IMPERVIOUS = ±3,868' S.F.
  - REFER TO SURVEY FOR LEGAL DESCRIPTION OF LEASE AREA AND ALL EASEMENTS. AREA = ±11,106 S.F.)
  - TOWER SHALL BE DESIGNED FOR THREE (3) CARRIERS.
  - TOWER SHALL BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH THE REQUIREMENTS OF EIA/71A 222-G STANDARDS AS WELL AS ALL LOCAL BUILDING CODES.
  - PER FAA REQUIREMENTS, THE TOWER SHALL NOT BE ARTIFICIALLY LIGHTED.

**verticalbridge**

750 PARK OF COMMERCE DRIVE  
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**Kimley-Horn**

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PLANS PREPARED BY: \_\_\_\_\_

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NAP \_\_\_\_\_ CAR \_\_\_\_\_

DVA PROJECT NUMBER: 096790000

ENGINEER SEAL \_\_\_\_\_

**COLORADO SPRINGS COMMUNITY**

Land Use Review Approved

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**JOHN HEIBERGER, PE**  
 CO PROFESSIONAL ENGINEER LC# 0050096

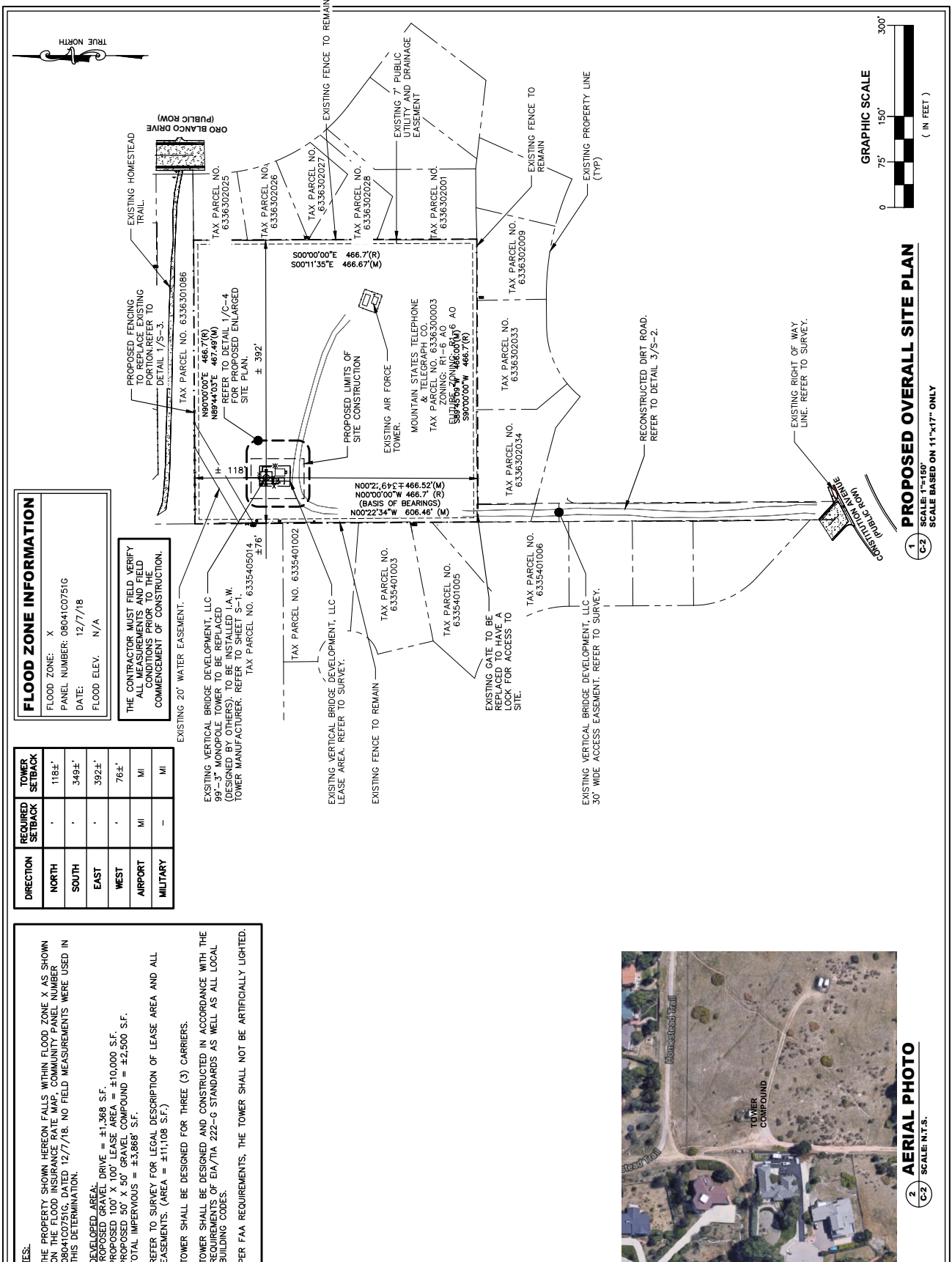
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**PROPOSED OVERALL SITE PLAN**

SHEET NUMBER: \_\_\_\_\_

C-2



**PROPOSED OVERALL SITE PLAN**

SCALE: 1"=150'  
 SCALE BASED ON 11"x17" ONLY



**FIGURE 1**

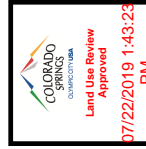
**AERIAL PHOTO**  
 SCALE: N.T.S.

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DESIGNED BY: \_\_\_\_\_  
 CHECKED BY: \_\_\_\_\_  
 NMP \_\_\_\_\_ CAR \_\_\_\_\_  
 DATE: \_\_\_\_\_  
 PROJECT NUMBER: 096790000  
 ENGINEER SEAL: \_\_\_\_\_



**JOHN HEIBERGER, PE**  
 CO PROFESSIONAL ENGINEER LC # 0050096  
 PROJECT INFORMATION:

**COLORADO SPRINGS**  
 US-CO-8093  
 COLORADO SPRINGS, CO 80917  
 COLORADO SPRINGS, CO 80917

**EXISTING ENLARGED SITE PLAN**

SHEET NUMBER: **C-3**

AR CH2 19-00124

EXISTING VERTICAL BRIDGE DEVELOPMENT, LLC LEASE AREA. (REFER TO SURVEY)

EXISTING VERTICAL BRIDGE DEVELOPMENT, LLC 98'-3" MONOPOLE TOWER TO BE REPLACED (50' DIAMETER) WITH 100' DIAMETER TOWER. REFER TO SHEET S-1.

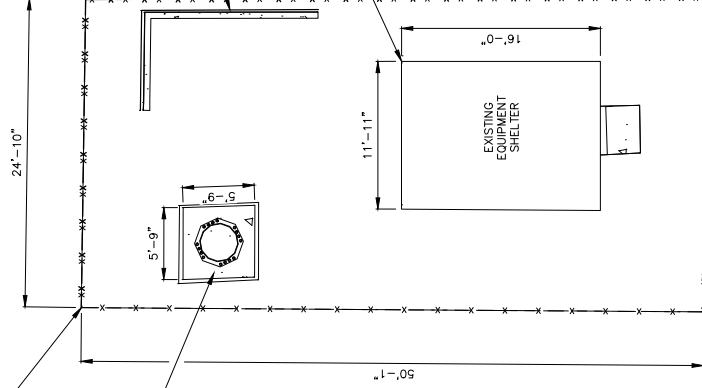
EXISTING VERTICAL BRIDGE DEVELOPMENT LINK FENCE TO BE REPLACED WITH CHAIN LINK FENCE TO BE REPLACED. REFER TO DETAIL 2/S-2.

EXISTING CONCRETE WALL TO REMAIN.

EXISTING SHELTER TO REMAIN.

EXISTING DOUBLE SWING GATE TO BE REPLACED. REFER TO DETAIL 2/S-2.

EXISTING DIRT ACCESS ROAD



THE PROPERTY SHOWN HEREON FALLS WITHIN FLOOD ZONE 'X' AS SHOWN ON THE FLOOD INSURANCE RATE MAP, COMMUNITY PANEL NUMBER 08040301G, DATED 12/7/18. NO FIELD SURVEY HAS BEEN CONDUCTED FOR DETERMINATION.

THE CONTRACTOR MUST FIELD VERIFY ALL MEASUREMENTS AND FIELD CONDITIONS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.



**EXISTING ENLARGED SITE PLAN**  
 SCALE: 1"=10'  
 SCALE BASED ON 11"x17" ONLY

**FIGURE 1**





750 PARK OF COMMERCE DRIVE  
SUITE 200  
BOCA RATON, FL 33487

PLANS PREPARED BY:




655 NORTH FRANKLIN STREET, SUITE 150  
TAMPA, FL 33602  
PHONE (813) 620-1460  
WWW.KIMLEY-HORN.COM

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DRAWN BY: \_\_\_\_\_ CHECKED BY: \_\_\_\_\_

NAP PROJECT NUMBER: 096790000

ENGINEER SEAL: \_\_\_\_\_



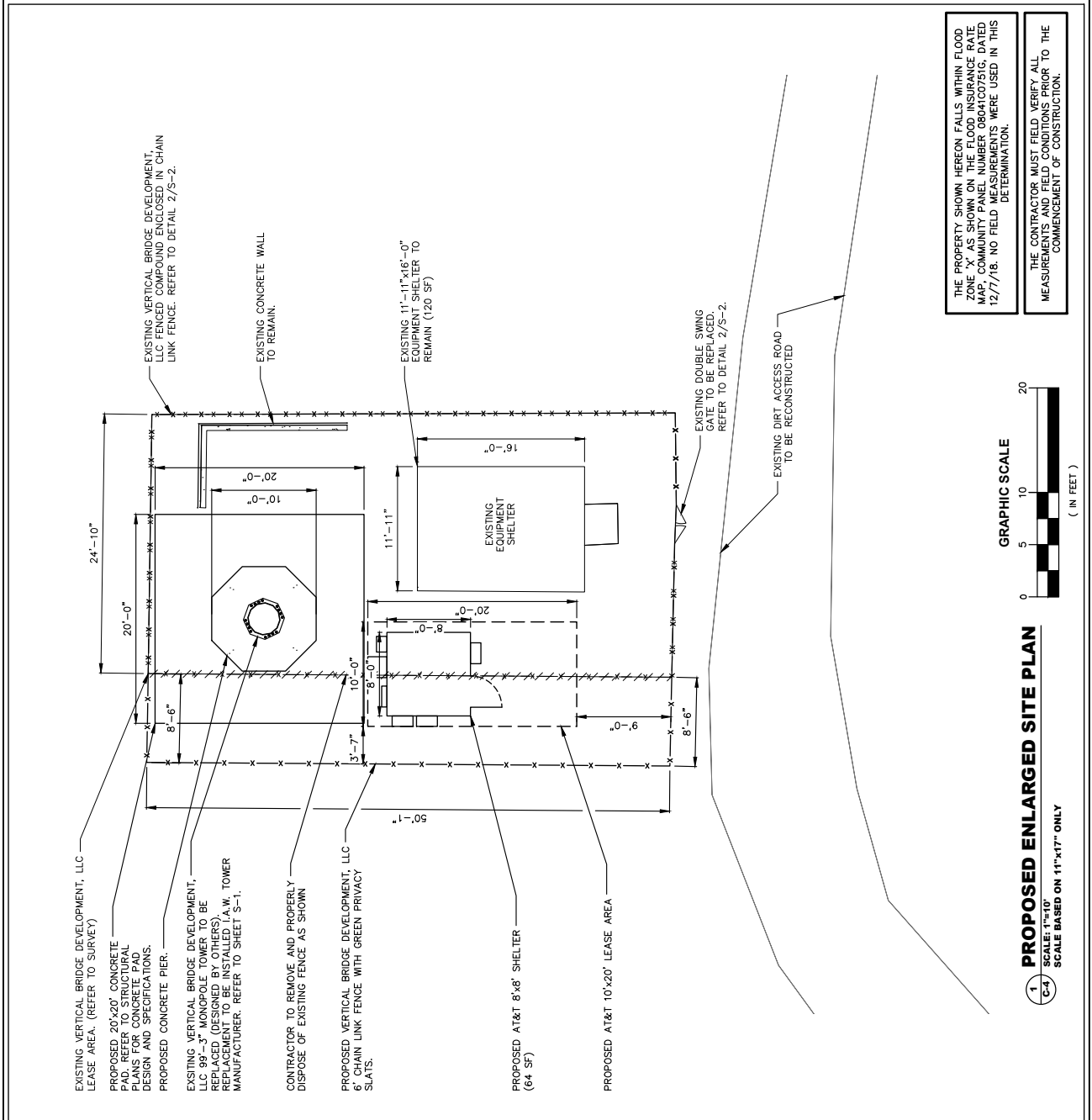
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**JOHN HEIBERGER, PE**  
CO PROFESSIONAL ENGINEER LIC.# 0050096

**COLORADO SPRINGS**  
US-CO-8093  
COL02266 MAZELAND & MURRAY  
NEXT DOOR TO 2660 ORO BLANCO  
DR  
COLORADO SPRINGS, CO 80917

**PROPOSED ENLARGED SITE PLAN**

SHEET NUMBER: C-4



- NOTES:**
- FENCED SITE AREA SHALL BE CLEARED AND GRUBBED. REMOVE UNSUITABLE SOFT OR LOOSE SOILS, ORGANIC MATERIAL, AND OR RUBBLE TO FIRM SUBGRADE. FILL UNDERCUT UP TO 6 INCHES BELOW FINISH GRADE.
  - THE CONTRACTOR MUST CONTACT THE SURVEYOR TO STAKE OUT THE LEASE AREA AND ALL EASEMENTS PRIOR TO CONSTRUCTION. ALL FEES ARE THE RESPONSIBILITY OF THE CONTRACTOR.
  - IF ANY ARCHAEOLOGICAL MATERIALS ARE ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL STOP WORK IMMEDIATELY AND NOTIFY THE CLIENT.
  - THE CONTRACTOR IS TO ENSURE THAT NO DAMAGE OR DEBRIS OCCURS ON THE ADJACENT PROPERTIES.
  - THE CONTRACTOR SHALL SEED ALL DISTURBED AREAS WITH LOW MAINTENANCE NATIVE GRASS AND COVER WITH APPROVED STRAW.
  - UNTIL THE COMPOUND IS SURROUNDED BY A PERMANENT FENCE, THE CONTRACTOR MUST ERECT A TEMPORARY FENCE AROUND THE TOWER AND POST A "NO TRESPASSING" SIGN. ALL CLIMBING PEGS MUST BE REMOVED UP TO 20' UNTIL A PERMANENT FENCE IS INSTALLED.
  - THE CONTRACTOR MUST ENSURE THAT ALL DELIVERY TRUCKS WILL BE ABLE TO DELIVER THE MATERIAL TO THE COMPOUND. IF THE DELIVERY TRUCKS CAN NOT ACCESS THE COMPOUND, THE CONTRACTOR MUST NOTIFY THE CLIENT IMMEDIATELY TO GET THE TRUCKS INTO THE COMPOUND. IF THIS IS REQUIRED, THE CONTRACTOR MUST CONTACT KIMLEY-HORN AND ASSOCIATES IMMEDIATELY. NO ADDITIONAL FEES WILL BE PASSED ON TO THE CLIENT.
  - PROPOSED TOWER AND FOUNDATION TO BE INSTALLED IN ACCORDANCE WITH THE TOWER MANUFACTURER'S PLANS PROVIDED BY CLIENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE UNLOADING OF TOWER MATERIALS DELIVERED TO SITE BY THE TOWER MANUFACTURER.
  - CONTRACTOR MUST REFER TO THE GEOTECH REPORT FOR ALL COMPACTED FILL RECOMMENDATIONS. IF THE GEOTECH REPORT CONFLICTS WITH THE CONSTRUCTION DRAWINGS THEN STOP WORK AND CONTACT THE CLIENT AS SOON AS POSSIBLE.
  - IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DOT AND/OR COUNTY SPECIFICATIONS PRIOR TO BID AND CONSTRUCTION. IF THE SPECIFICATIONS DIFFER FROM THE CONSTRUCTION DRAWINGS, THEN THE SPECIFICATIONS WILL BE THE CONSTRUCTION DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE UNLOADING OF TOWER MATERIALS. SPECIFICATIONS WILL BE ALLOWED AFTER THE BID HAS BEEN ISSUED AND ACCEPTED NOR WILL PROJECT DELAYS BE TOLERATED.

THE PROPERTY SHOWN HEREON FALLS WITHIN FLOOD ZONE 'X' AS SHOWN ON THE FLOOD INSURANCE RATE MAP, COMMUNITY PANEL NUMBER 080403016G, DATED 12/7/16. NO FIELD MEASUREMENTS WERE USED IN THIS DETERMINATION.

THE CONTRACTOR MUST FIELD VERIFY ALL MEASUREMENTS AND FIELD CONDITIONS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.

**PROPOSED ENLARGED SITE PLAN**

SCALE: 1/4"=10'

SCALE BASED ON 11'-x17" ONLY

**FIGURE 1**

verticalbridge  
750 PARK OF COMMERCE DRIVE  
SUITE 200  
BOCA RATON, FL 33487

PLANS PREPARED BY:  
**Kimley-Horn**  
655 NORTH FRANKLIN STREET, SUITE 150  
TAMPA, FL 33602  
PHONE: (813) 620-1460  
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REV.	DATE	DESCRIPTION	BY:
3	06/19/19	REVISED PER COMMENTS	NAP
2	06/02/19	REVISED PER COMMENTS	NAP
1	05/15/19	REVISED PER COMMENTS	ROK
0	01/03/19	ISSUED FOR REVIEW	NAP

DESIGNED BY: CAR  
NAP  
DATE: 09/27/2019  
PROJECT NUMBER: 096790000  
DRAWN BY: CAR

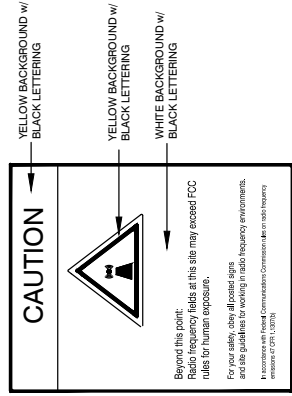


**JOHN HEIBERGER, PE**  
CO PROFESSIONAL ENGINEER LC # 0050096  
PROJECT INFORMATION

COLORADO SPRINGS  
US-CO-8093  
COL02266 MAZELAND & MURRAY  
NEXT DOOR TO 2660 ORO BLANCO  
DR  
COLORADO SPRINGS, CO 80917

SHEET TITLE: SIGN DETAILS  
SHEET NUMBER: C-5

AR CH2 19-00124



② RF EXPOSURE CAUTION SIGN

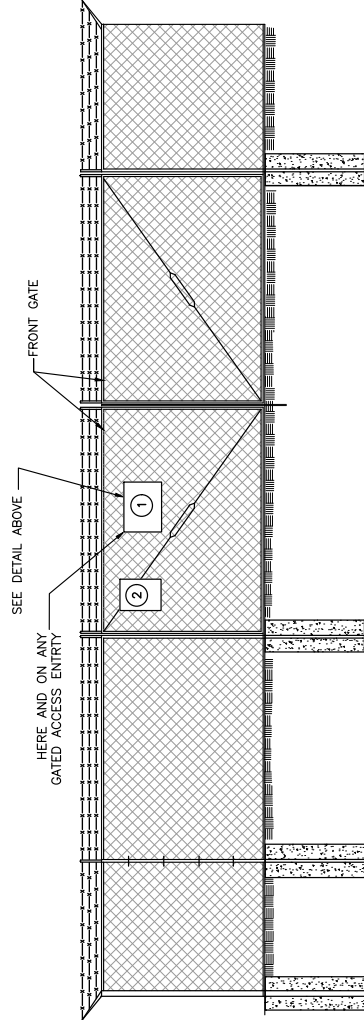
**SIGNAGE NOTES:**

1. SIGNS SHALL BE FABRICATED FROM CORROSION RESISTANT PRESSED METAL, AND PAINTED WITH LONG LASTING UV RESISTANT COATINGS.
2. SIGNS (EXCEPT WHERE NOTED OTHERWISE) SHALL BE MOUNTED TO THE TOWER, GATE, AND FENCE USING A MINIMUM OF 9 GAUGE ALUMINUM WIRE HOG RINGS (AS UTILIZED IN FENCE INSTALLATIONS) OR BRACKETS WHERE NECESSARY. BRACKETS SHALL BE OF SIMILAR METAL AS THE STRUCTURE TO AVOID GALVANIC CORROSION.
3. ADDITIONAL SITE # AND EMERGENCY CONTACT SIGNS SHALL BE MOUNTED AT EACH ACCESS ROAD, GATE LEADING TO THE COMPOUND AS WELL AS THE COMPOUND GATE ITSELF.
4. CARRIER SITE # AND EMERGENCY CONTACT SIGNS SHALL BE MOUNTED ON THE EQUIPMENT CABINET W/ PERMANENT SET ADHESIVE. TWO SIDED TAPE SHALL BE UTILIZED AT EACH CORNER ON THE BACKSIDE TO AID PLACEMENT UNTIL ADHESIVE SETS.



① VERTICAL BRIDGE - SITE ID SIGN

① TYPICAL SIGNS AND SPECIFICATIONS  
SCALE: N.T.S.

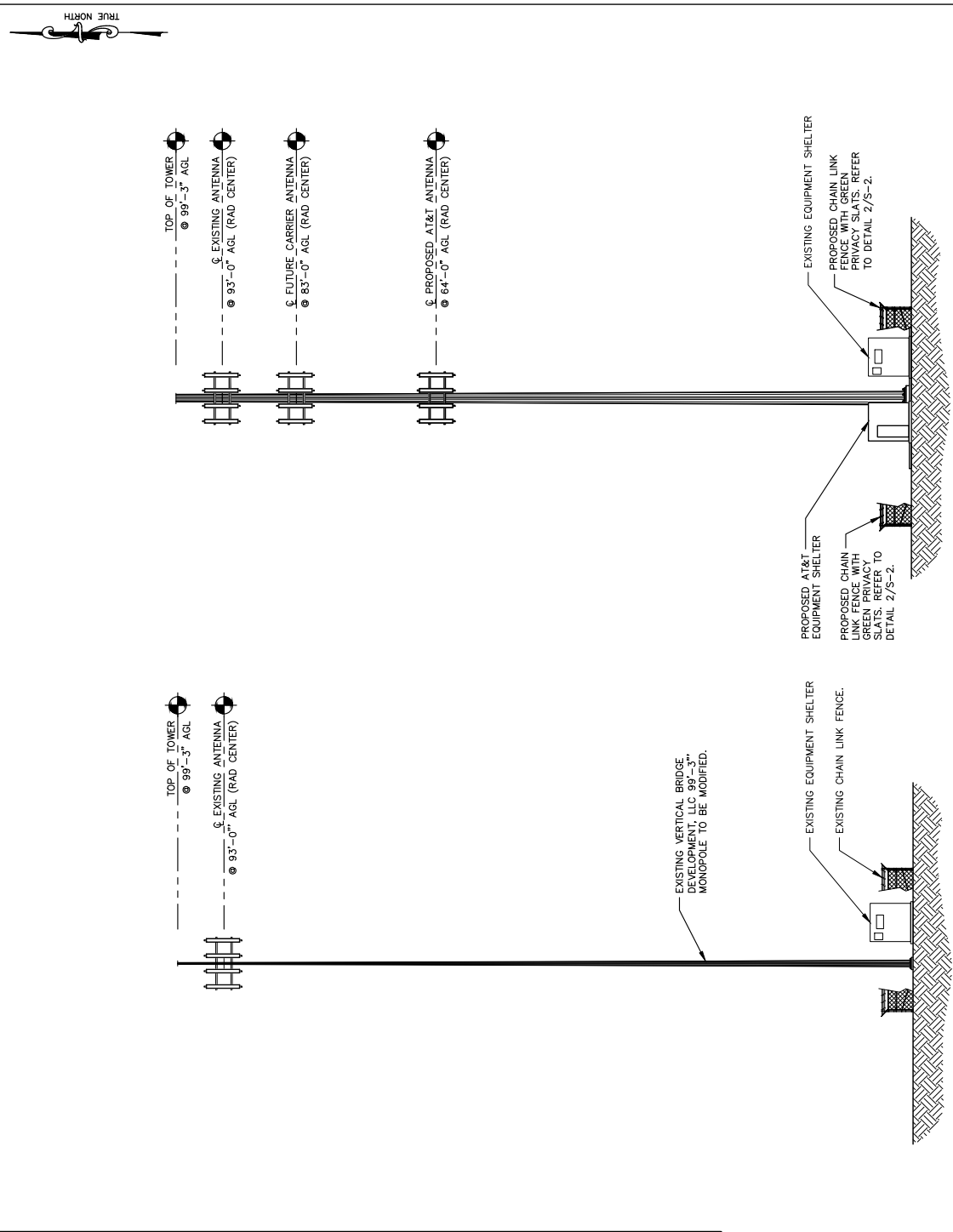


② SITE SIGNAGE FRONT GATE VIEW  
SCALE: N.T.S.

FIGURE 1

- NOTES:**
- THESE DRAWINGS SHALL NOT BE RELIED UPON AS AN INDICATION THAT THE TOWER STRUCTURE, ITS COMPONENTS, AND ITS FOUNDATION HAVE ADEQUATE STRUCTURAL CAPACITY TO SUPPORT ALL EXISTING AND PROPOSED ANTENNAS, CABLES, AND EQUIPMENT. KIMLEY-HORN HAS NOT PERFORMED A STRUCTURAL ANALYSIS ON THE TOWER, FOUNDATION, ANTENNA MOUNT, AND ALL ITS COMPONENTS. IT IS THE USER'S RESPONSIBILITY TO HAVE A STRUCTURAL ANALYSIS PERFORMED IN ACCORDANCE WITH ALL APPLICABLE CODES AND STANDARDS PRIOR TO THE INSTALLATION OF ANY ANTENNAS OR APPURTENANCES ON THE TOWER. THIS STRUCTURAL ANALYSIS SHALL BE SIGNED AND SEALED BY A REGISTERED PROFESSIONAL ENGINEER.
  - IF ANY WORK IS PERFORMED AT THIS SITE THAT REQUIRES THE SITE TO BE OFF AIR OR TURNED DOWN, THE SWITCH IS TO BE NOTIFIED 48 HOURS PRIOR TO CONSTRUCTION VIA NGR/CITS.
  - INSTALLATION SHALL BE CONDUCTED BY FIELD CREWS EXPERIENCED IN THE ASSEMBLY AND ERECTION OF RADIO ANTENNAS, TRANSMISSION LINES, AND CABLES. ANTENNAS AND CABLES TO BE INSTALLED PER THE REQUIREMENTS OF THE TOWER MANUFACTURER'S SPECIFICATION.
  - ANTENNA AND MOUNT DESIGN MUST COMPLY WITH ITA-EIA-222-G AND ALL LOCAL CODES.
  - CONTRACTOR TO PROVIDE THE PROPER CONNECTIONS AND ATTACHMENTS TO THE TOWER AND ANTENNA MOUNT.
  - TOWER, ANTENNAS AND OTHER VISIBLE EQUIPMENT SHALL BE GALVANIZED OR PAINTED WITH A COLOR EXCEPT FOR PUBLIC SAFETY, FCC OR FAA PURPOSES.
  - TOWER AND COMPOUND SHALL NOT BE ARTIFICIALLY LIGHTED EXCEPT FOR PUBLIC SAFETY, FCC OR FAA PURPOSES.
  - NO SIGNAGE SHALL BE ALLOWED EXCEPT AS REQUIRED FOR PUBLIC SAFETY, FCC OR FAA PURPOSES.
  - TOWER SHALL HAVE REMOVABLE CLIMBING DEVICES OR OTHERWISE BE DESIGNED TO RENDER THEM UNCLIMBABLE EXCEPT BY AUTHORIZED PERSONNEL.

THE CONTRACTOR MUST FIELD VERIFY ALL MEASUREMENTS AND FIELD CONDITIONS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.



1 - S-1 N.T.S. EXISTING TOWER ELEVATION

2 - S-1 N.T.S. PROPOSED TOWER ELEVATION

FIGURE 1

**verticalbridge**  
 750 PARK OF COMMERCE DRIVE  
 SUITE 200  
 BOCCA RATON, FL 33487

**Kimley-Horn**  
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REV.	DATE	DESCRIPTION	BY:
3	06/10/19	REVISED PER COMMENTS	NAP
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1	05/15/19	REVISED PER COMMENTS	ROK
0	01/03/19	ISSUED FOR REVIEW	NAP

DRAWN BY: \_\_\_\_\_ CHECKED BY: \_\_\_\_\_

NAP CAR

DVA PROJECT NUMBER: 096790000

ENGINEER SEAL: \_\_\_\_\_



**JOHN HEIBERGER, PE**  
 CO PROFESSIONAL ENGINEER LC # 0050096  
 PROJECT INFORMATION:

**COLORADO SPRINGS**  
 US-CO-8093  
 COL02266 MAZELAND & MURRAY  
 NEXT DOOR TO 2660 ORO BLANCO  
 DR  
 COLORADO SPRINGS, CO 80917

SHEET TITLE: **TOWER ELEVATION AND DETAILS**

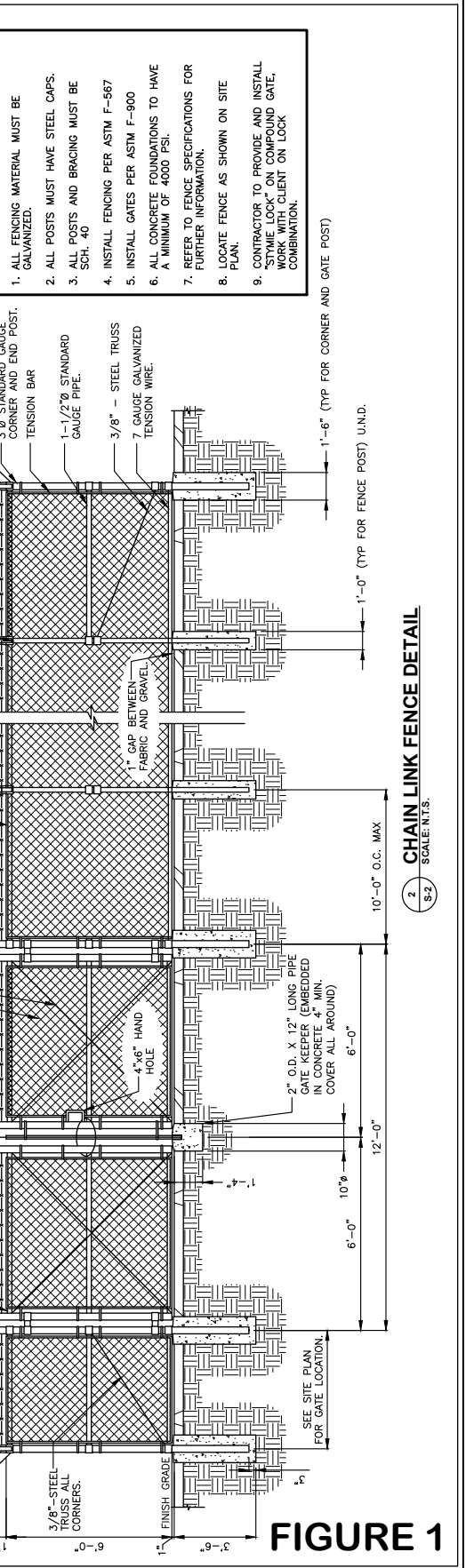
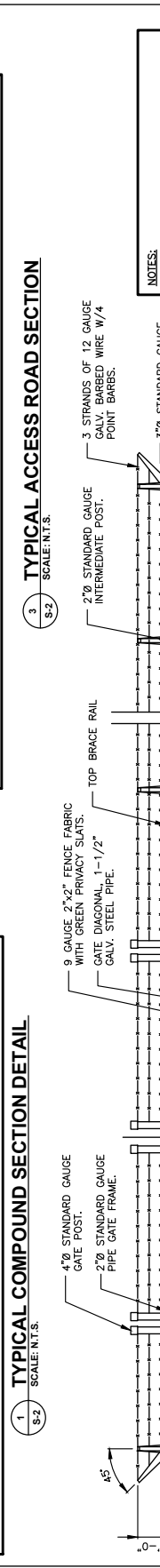
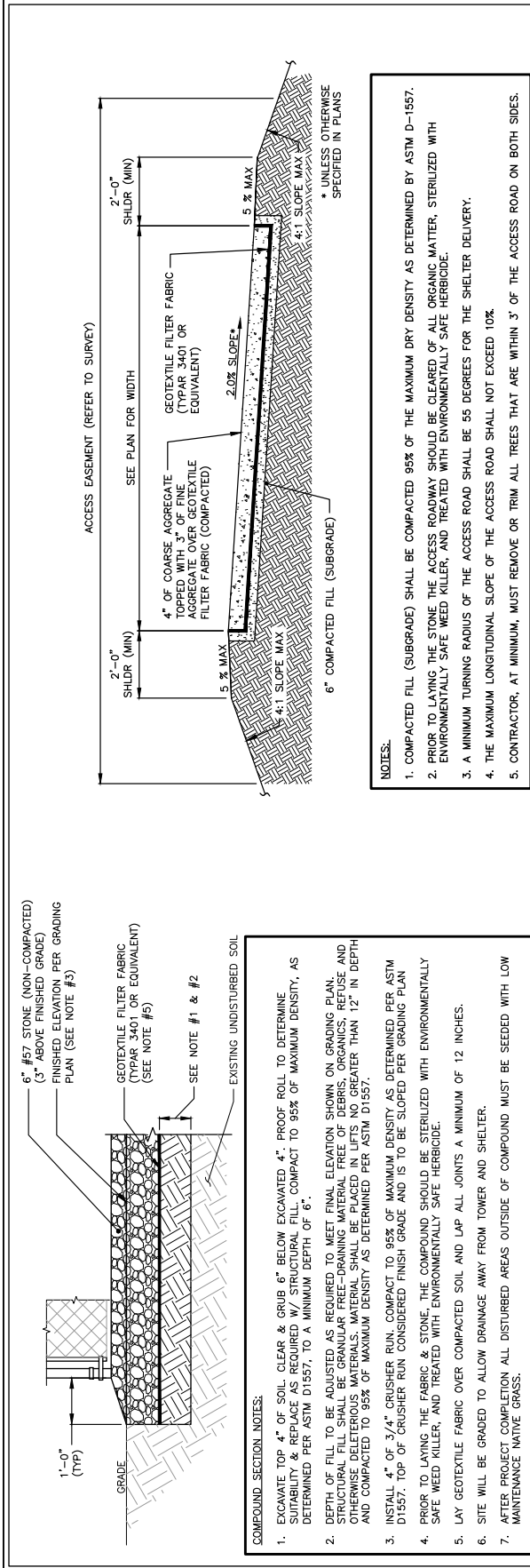
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REV.	DATE	DESCRIPTION
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2	06/02/19	REVISED PER COMMENTS NMP
1	05/15/19	REVISED PER COMMENTS RCM
0	01/03/19	ISSUED FOR REVIEW NMP

DESIGNER SEAL: 098790000  
 PROJECT INFORMATION: JOHN HEIBERGER, PE  
 CO PROFESSIONAL ENGINEER LIC.# 00500996

**COLORADO SPRINGS**  
 LAND USE REVIEW  
 Approved  
 07/22/2019 1:43:23  
 P.M.

**COLORADO SPRINGS**  
 US-CO-8093  
 COL02266 MAZELAND & MURRAY  
 NEXT DOOR TO 2660 ORO BLANCO  
 DR  
 COLORADO SPRINGS, CO 80917



**FIGURE 1**

verticalbridge  
 750 PARK OF COMMERCE DRIVE  
 SUITE 200  
 BOCA RATON, FL 33487

PLANS PREPARED BY:  
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0	01/03/19	ISSUED FOR REVIEW NMP	

DESIGNED BY: CAR  
 NMP  
 PROJECT NUMBER: 096790000  
 ENGINEER SEAL



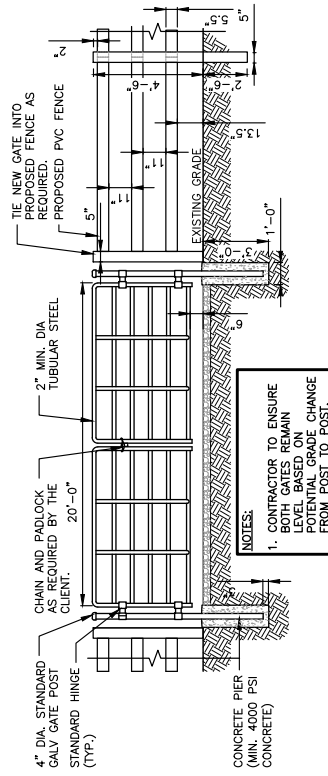
**JOHN HEIBERGER, PE**  
 CO PROFESSIONAL ENGINEER LIC.# 0050096  
 PROJECT INFORMATION

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SHEET TITLE:  
**VEHICLE GATE DETAIL**

SHEET NUMBER:  
**S-3**

AR 042 19-00724



**VEHICLE GATE DETAIL WITH SPLIT RAIL FENCE**  
 SCALE: N.T.S.

**FIGURE 1**