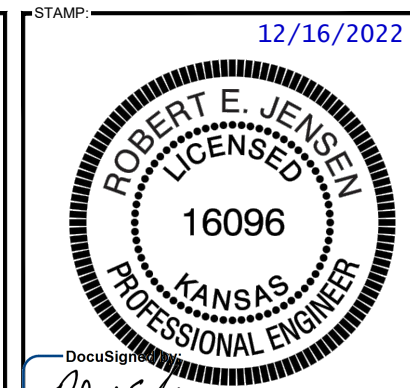
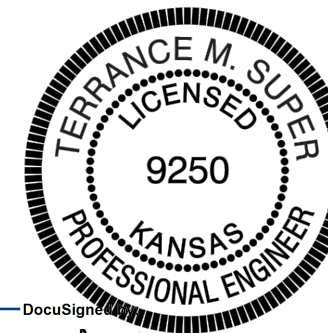


RIVIAN

APPLICANT SITE NAME:
HAYS

SSC SITE NUMBER:
KS-00004

12/16/2022



PROJECT:
**RIVIAN ADVENTURE
NETWORK**

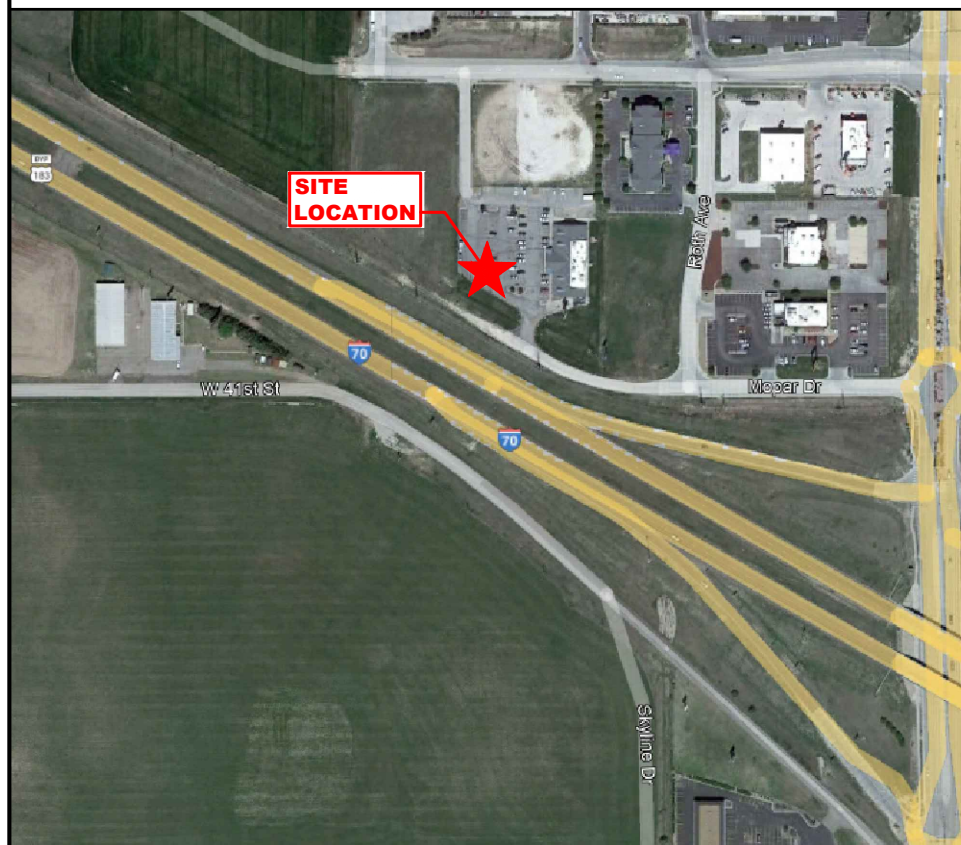
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FINAL CD100

DocuSign
TMS
BC5EDA6272E3483...

STATE OF KANSAS
PE CERTIFICATE OF AUTHORIZATION # E-571

ENGINEER:	PE#:	DISCIPLINE:
NRK NICHOLAS R. KUFELDT	22059	CIVIL
KMV KEVIN M. VANMAELE	22105	CIVIL
REJ ROBERT E. JENSEN	16096	CIVIL
CS CHRISTOPHER GIANNOTTI	28673	CIVIL
SDK SHELTON D. KEISLING	13654	ELECTRICAL
TMS TERRANCE M. SUPER	9250	ELECTRICAL

AERIAL MAP



SITE INFORMATION

SITE LOCATION:
LATITUDE: 38.9006658 N (NAD 83)
LONGITUDE: 99.32121837 W (NAD 83)
GROUND ELEV: 2061'-0" AMSL

SITE ADDRESS:
383 MOPAR DR, SUITE EV
HAYS, KS
67601

COUNTY:
ELLIS

JURISDICTION:
CITY OF HAYS
CONTACT: CURTIS DEINES
EMAIL: cdeines@haysusa.com
PHONE: 785.621.1457

ASSIGNED PARCEL #:
135-21-0-00-01-019.04-0

APPLICANT:
RIVIAN

RIVIAN REAL ESTATE MANAGER:
CONTACT: TBD
EMAIL: TBD
PHONE: TBD

RIVIAN DEPLOYMENT MANAGER:
CONTACT: MATT LANG
EMAIL: mlang@rivian.com
PHONE: 937.238.8843

PROPERTY OWNER:
CONTACT: RICHARD HOLLAND
EMAIL: hays@oldcrestaurants.com
PHONE: 719.573.8557

UTILITY COMPANY:
CONTACT: MIDWEST ENERGY, INC
EMAIL: ARLAN FLAX
PHONE: aflax@mwenergy.com
785.639.2118

DRAWING INDEX

SHEET NO.	SHEET DESCRIPTION	DISC.
T-1.0	TITLE SHEET	C/E
	SURVEY (BY OTHERS)	
C-1.0	OVERALL SITE PLAN	C
C-1.1	EXISTING SITE PLAN	C
C-1.2	ENLARGED SITE PLAN	C
C-1.3	SITE ELEVATIONS	C
C-2.0	EQUIPMENT PLANS (1 OF 2)	C
C-2.1	EQUIPMENT PLANS (2 OF 2)	C
C-3.0	EQUIPMENT DETAILS (1 OF 4)	C
C-3.1	EQUIPMENT DETAILS (2 OF 4)	C
C-3.2	EQUIPMENT DETAILS (3 OF 4)	C
C-3.3	EQUIPMENT DETAILS (4 OF 4)	C
E-1.0	UTILITY PLAN	E
E-1.1	RIVIAN UTILITY PLAN	E
E-2.0	RIVIAN RISER DIAGRAM	E
E-2.1	ELECTRICAL ONE-LINE DIAGRAM	E
E-2.2	PANEL SCHEDULE	E
E-3.0	ELECTRICAL DETAILS	E
G-1.0	GROUNDING RISER DIAGRAM	E
G-2.0	GROUNDING DETAILS	E
SP-1.0	SPECIFICATIONS (1 OF 5)	C
SP-1.1	SPECIFICATIONS (2 OF 5)	C
SP-1.2	SPECIFICATIONS (3 OF 5)	C
SP-2.0	SPECIFICATIONS (4 OF 5)	E
SP-2.1	SPECIFICATIONS (5 OF 5)	E
	RIVIAN HARDWARE DATASHEET (BY OTHERS)	
	SWITCH BOARD SHOP DRAWINGS (BY OTHERS)	

PLANS PREPARED FOR:



PLANS PREPARED BY:



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UPDATE PER CLIENT COMMENTS	04/08/22	CAM	B
ISSUED FOR CONSTRUCTION	04/13/22	CAM	0
UPDATE PER COMMENTS	10/31/22	DWO	1
UPDATE PER COMMENTS	12/16/22	EDA	2

APPLICANT SITE NAME:
HAYS

SSC SITE NUMBER:
KS-00004

SITE ADDRESS:
**383 MOPAR DR, SUITE EV
HAYS, KS 67601**

SHEET DESCRIPTION:	SHEET #:
TITLE SHEET	T-1.0

JURISDICTION 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.

- 2015 INTERNATIONAL BUILDING CODE
- 2009 UNIFORM MECHANICAL CODE
- ANSI/TIA-222 STRUCTURAL STANDARD
- NFPA 780 - LIGHTNING PROTECTION CODE
- 2014 NATIONAL ELECTRICAL CODE



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Call before you dig.
www.call811.com

THE UTILITIES AS SHOWN ON THIS SET OF DRAWINGS WERE DEVELOPED FROM THE INFORMATION AVAILABLE. THE INFORMATION PROVIDED IS NOT IMPLIED NOR INTENDED TO BE THE COMPLETE INVENTORY OF UTILITIES IN THIS AREA. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATION OF ALL UTILITIES (WHETHER SHOWN OR NOT) AND PROTECT SAID UTILITIES FROM ANY DAMAGE CAUSED BY CONTRACTOR'S ACTIVITIES.

SITE LOCATION QR CODE



CONSULTING TEAM

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

CLIENT MANAGER:
D.C. PELLAND

A&E PROJECT MANAGER:
A.M. WHYTE

LEAD ENGINEER:
R.E. JENSEN

LEAD ELECTRICAL:
S.D. KEISLING



SURVEY DRAWING

TITLE DESCRIPTION

LOTS TWO (2) AND THREE (3), REPLAT OF THE WESTERN PORTION OF ROTH FIRST ADDITION TO THE CITY OF HAYS, ELLIS COUNTY, KANSAS.
 THIS SURVEY AND LEGAL DESCRIPTION ARE NOT THE SAME AS THAT DESCRIBED IN FIRST AMERICAN TITLE INSURANCE COMPANY COMMITMENT NUMBER: 1102127, DATED: DECEMBER 09, 2021 AT 8:00 A.M.

SCHEDULE "B" ITEMS

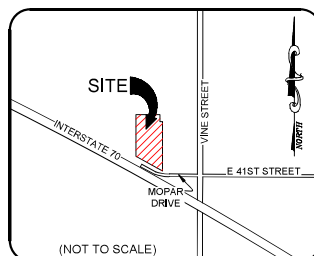
NOTES CORRESPONDING TO SCHEDULE "B" SECTION TWO EXCEPTIONS:

- 9 COVENANT, CONDITIONS AND RESTRICTIONS AS CONTAINED IN THE REPLAT AND DEDICATION OF THE WESTERN PORTION OF ROTH FIRST ADDITION TO THE CITY OF HAYS, KANSAS, FILED IN BOOK 464, PAGE 435 BUT OMITTING ANY COVENANTS OR RESTRICTIONS, IF ANY, BASED UPON RACE, COLOR, RELIGION, SEX, SEXUAL ORIENTATION, FAMILIAL STATUS, MARITAL STATUS, DISABILITY, HANDICAP, NATIONAL ORIGIN, ANCESTRY, OR SOURCE OF INCOME, AS SET FORTH IN APPLICABLE STATE OR FEDERAL LAWS, EXCEPT TO THE EXTENT THAT SAID COVENANT OR RESTRICTION IS PERMITTED BY APPLICABLE LAW, A VIOLATION WILL NOT CAUSE A FORFEITURE OR REVERSION OF TITLE. (DOES AFFECT SURVEY AREA, NO ITEMS TO PLOT)
- 9 EASEMENT DATED FEBRUARY 5, 2001 BETWEEN HAYS HOTEL, L.P., A KANSAS LIMITED PARTNERSHIP AND RICHARD W. HOLLAND, FILED MARCH 8, 2001 IN BOOK 501, PAGE 268. (DOES AFFECT SURVEY AREA, PLOTTED HEREON)
- 10 EASEMENT AGREEMENT DATED MAY 7, 2001 BY AND BETWEEN HAYS HOTEL, L.P., A KANSAS LIMITED PARTNERSHIP AND RICHARD W. HOLLAND, FILED JULY 16, 2001 IN BOOK 519, PAGE 217. (DOES NOT AFFECT SURVEY AREA, NOTHING PLOTTED)
- 14 ALL BUILDING SET BACK LINES, EASEMENTS AND BOUNDARY LINES WHICH ARE SHOWN ON THE RECORDED PLAT MAP THEREOF. (DOES AFFECT SURVEY AREA, PLOTTED HEREON)

SURVEYOR NOTES

1. THIS IS A TOPOGRAPHIC MAP. THIS IS NOT A BOUNDARY SURVEY AND IS ONLY INTENDED TO DEPICT THOSE TOPOGRAPHIC FEATURES OR IMPROVEMENTS SHOWN. THE PROPERTY LINES SHOWN ARE RECORD LINES ONLY AND ARE SHOWN FOR GRAPHICAL REFERENCE ONLY.
 2. THE UNDERGROUND UTILITIES SHOWN HEREON ARE BASED ON MARKINGS CREATED BY G.P.R.S., (GROUND PENETRATING RADAR SYSTEMS, LLC, PHONE #866-914-4718) ON DECEMBER 14, 2021, AND OBSERVED ABOVE GROUND FEATURES AND/OR EXISTING DRAWINGS. THE SURVEYOR MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH HE DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM THE INFORMATION AVAILABLE. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES. ALL UNDERGROUND UTILITIES SHOULD BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO COMMENCING ANY ONSITE WORK.
 3. FEDERAL EMERGENCY MANAGEMENT AGENCY, FEMA FIRMETTE PUBLISHED DECEMBER 2021 REFERENCING FLOOD INSURANCE RATE MAP, MAP NUMBER 2008040180B EFFECTIVE DATE JULY 03, 1986 INDICATES THIS PARCEL OF LAND IS LOCATED IN ZONE "C" (ZONE "C" = AREA OF MINIMAL FLOOD HAZARD, USUALLY DEPICTED ON FIRMS AS ABOVE THE 500-YEAR FLOOD LEVEL).
 4. THIS SURVEY DOES NOT CONSTITUTE A TITLE SEARCH BY FA COMMERCIAL DUE DILIGENCE SERVICES TO DETERMINE OWNERSHIP OR EASEMENTS OF RECORD, FOR ALL INFORMATION REGARDING EASEMENTS, RIGHTS OF WAY AND TITLE OF RECORD, CDS RELIED UPON A SEARCH REPORT, PREPARED BY FIRST AMERICAN TITLE INSURANCE COMPANY, COMMITMENT NUMBER: 1102127, COMMITMENT DATE: DECEMBER 09, 2021 AT 8:00 A.M.
 5. ELEVATIONS ARE BASED ON TRIMBLE RTX NETWORK (NAVD 88 DATUM).
 6. SITE BENCHMARK: CUT BOX ON NORTH FACE OF LIGHT BASE AT NORTH END OF PARKING LOT, ELEVATION: 2060.54
 7. BASIS OF BEARINGS: BEARINGS AND DISTANCES SHOWN ARE RELATIVE TO THOSE DEPICTED ON THE REPLAT OF WESTERN PORTION OF ROTH FIRST ADDITION, RECORDED IN THE OFFICIAL RECORDS OF ELLIS COUNTY, KANSAS, UNLESS NOTED OTHERWISE.
 8. FIELD WORK FOR THIS SURVEY WAS COMPLETED ON DECEMBER 16, 2021.
 9. THE OWNER NAMES AND TAX PARCEL DATA SHOWN HEREON ARE BASED UPON THE PUBLIC WORKS RECORDS AVAILABLE AT THE ORIGINAL DATE OF THIS SURVEY. CURRENT OWNERSHIP AND TAX PARCEL DATA SHOULD BE VERIFIED FOR ACCURACY.
 10. PER THE ZONING INFORMATION REPORT PREPARED BY FA-CDS (888) 322 7371 • CDS.SOLUTIONS@FIRSTAM.COM; ORDER NO. 21-11-0645, DATED: 01/25/2022, THIS SITE IS ZONED: C-2, COMMERCIAL GENERAL.
- REQUIREMENTS**
 MINIMUM FRONT SETBACK: 25 FEET
 MINIMUM SIDE SETBACK: INTERIOR - 5 FEET; STREET SIDE - 25 FEET
 MINIMUM REAR SETBACK: 0 FEET
 MAXIMUM HEIGHT: 45 FEET
 MINIMUM AREA: NO REQUIREMENT
 MINIMUM LOT WIDTH: 50 FEET
 MINIMUM LOT DEPTH: NO REQUIREMENT NOTED
 MAX. FLOOR AREA RATIO: NO REQUIREMENT
 MAXIMUM COVERAGE: NO REQUIREMENT NOTED
 MINIMUM PARKING: NO PARKING REQUIREMENT

VICINITY MAP



SURVEYOR CERTIFICATION

ON THE BASIS OF MY KNOWLEDGE, INFORMATION AND BELIEF, I HEREBY STATE AND DECLARE THAT THIS DRAWING WAS PREPARED UNDER MY DIRECT SUPERVISION TO THE STANDARD OF CARE OF SURVEYORS PRACTICING IN THE STATE OF KANSAS AND THAT THE INFORMATION SHOWN HEREON IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

DATE OF PLAT OR MAP: 12/21/2021



D M B
 DARYN M. BERNARD
 KANSAS LAND SURVEYOR NO. 1384
 EXPIRES MARCH 31, 2022
 LAND SURVEYOR BUSINESS ENTITY LICENSE
 FIRST AMERICAN BUSINESS SERVICES LLC, NORMAN OK
 LICENSE NO. 252 EXPIRES DECEMBER 31, 2022

Limited Topographic Survey

This Work Coordinated By:



Toll Free: 888.457.7878

Drawn By: C2M	Date: 01/25/2022
Ref. No: 21-11-0645	Revision: Zoning
Approved By: DMB	Date: --
Field Date: 12/16/2021	Revision: --
Scale: 1" = 20'	Date: --
	Revision: --

Prepared For:

PROJECT ADDRESS

383 West Mopar Drive
 Hays, Kansas 67601

Project Name:
 RA W Mopar Dr-Hays KS

CDS Project Number:
 21-11-0645

The surveying company:
 Commercial Due Diligence Services
 certifies to the accuracy and sufficiency
 of the survey provided hereon.



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SURVEY DRAWING

LOT 1, REPLAT OF WESTERN PORTION ROTH FIRST ADDITION

OWNER: IH OF HAYS INC.
DEED: DOCUMENT NOT AVAILABLE
APN: 135-21-0-00-01-019.00-0

LOT 1, BLOCK 1 ROTH THIRD ADDITION
206 W 43RD STREET
OWNER: SAFFRON HOSPITALITY LLC
DEED: BOOK 959, PAGE 732
APN: 135-21-0-00-01-016.03-0

LOT 3, REPLAT OF WESTERN PORTION ROTH FIRST ADDITION
383 W MOPAR DRIVE
OWNER: HOLLAND REAL ESTATE LLC
APN: 135-21-0-00-01-019.04-0

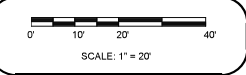
LOT 2, REPLAT OF WESTERN PORTION ROTH FIRST ADDITION
383 W MOPAR DRIVE
OWNER: HOLLAND REAL ESTATE LLC
APN: 135-21-0-00-01-019.04-0

377 W MOPAR DRIVE
OWNER: RSD HOSPITALITY LLC
DEED: BOOK 881, PAGE 952
APN: 135-21-0-00-01-019.02-0

PORTION OF ROTH 1ST ADDITION
OWNER: RD&G INVESTMENTS LLC
DEED: BOOK 785, PAGE 645
APN: 135-21-0-00-01-019.03-0

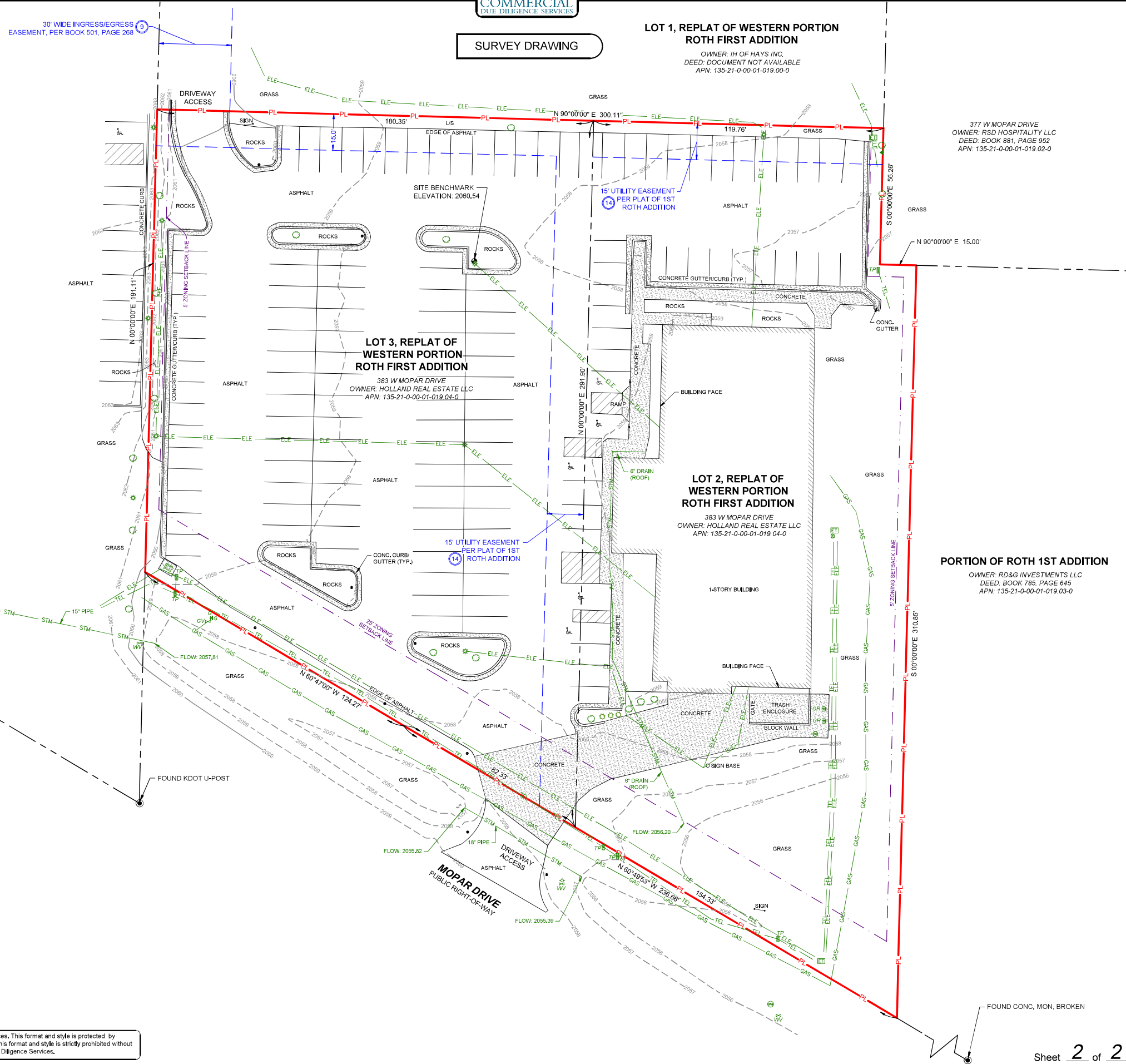


NORTH ARROW / SCALE



LEGEND

- ⊕ = FIRE HYDRANT
 - ⊕ = GAS SIGN
 - ⊕ = BOLLARD
 - ⊕ = WATER METER
 - ⊕ = GREASE MANHOLE
 - ⊕ = CLEAN OUT
 - ⊕ = ELECTRIC METER
 - ⊕ = ELECTRIC TRANSFORMER
 - ⊕ = GAS VALVE
 - ⊕ = WATER VALVE
 - ⊕ = SIGN
 - ⊕ = LIGHT POLE
 - ⊕ = TELEPHONE PEDESTAL
 - ⊕ = TREE
 - ⊕ = BUSH
 - ⊕ = HANDICAPPED PARKING
-
- ⊕ = SCHEDULE B ITEM NO.
 - ⊕ = MONUMENT FOUND (AS NOTED)
 - ⊕ = SITE BENCHMARK (SEE NOTE NO. 6)
 - ⊕ = ADJOINING PROPERTY
 - ⊕ = PROPERTY LINE
 - ⊕ = EASEMENT LINE
 - ⊕ = ZONING SETBACK LINE
 - ⊕ = UNDERGROUND ELECTRIC
 - ⊕ = UNDERGROUND TELEPHONE
 - ⊕ = UNDERGROUND STORM
 - ⊕ = UNDERGROUND GAS
 - ⊕ = CONCRETE
 - ⊕ = NO PARKING AREA
 - ⊕ = LANDSCAPE AREA
 - ⊕ = TYPICAL



FOUND 1/2" I.R., FLUSH ("MEIS PS 1533")

FOUND KDOT U-POST

FOUND CONC. MON. BROKEN

The surveying company:
Commercial Due Diligence Services
certifies to the accuracy and sufficiency
of the survey provided hereon.

3550 W. Robinson Street, Third Floor
Norman, Oklahoma 73072
Main Office Phone No. 405-253-2444

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Limited Topographic Survey
This Work Coordinated By:

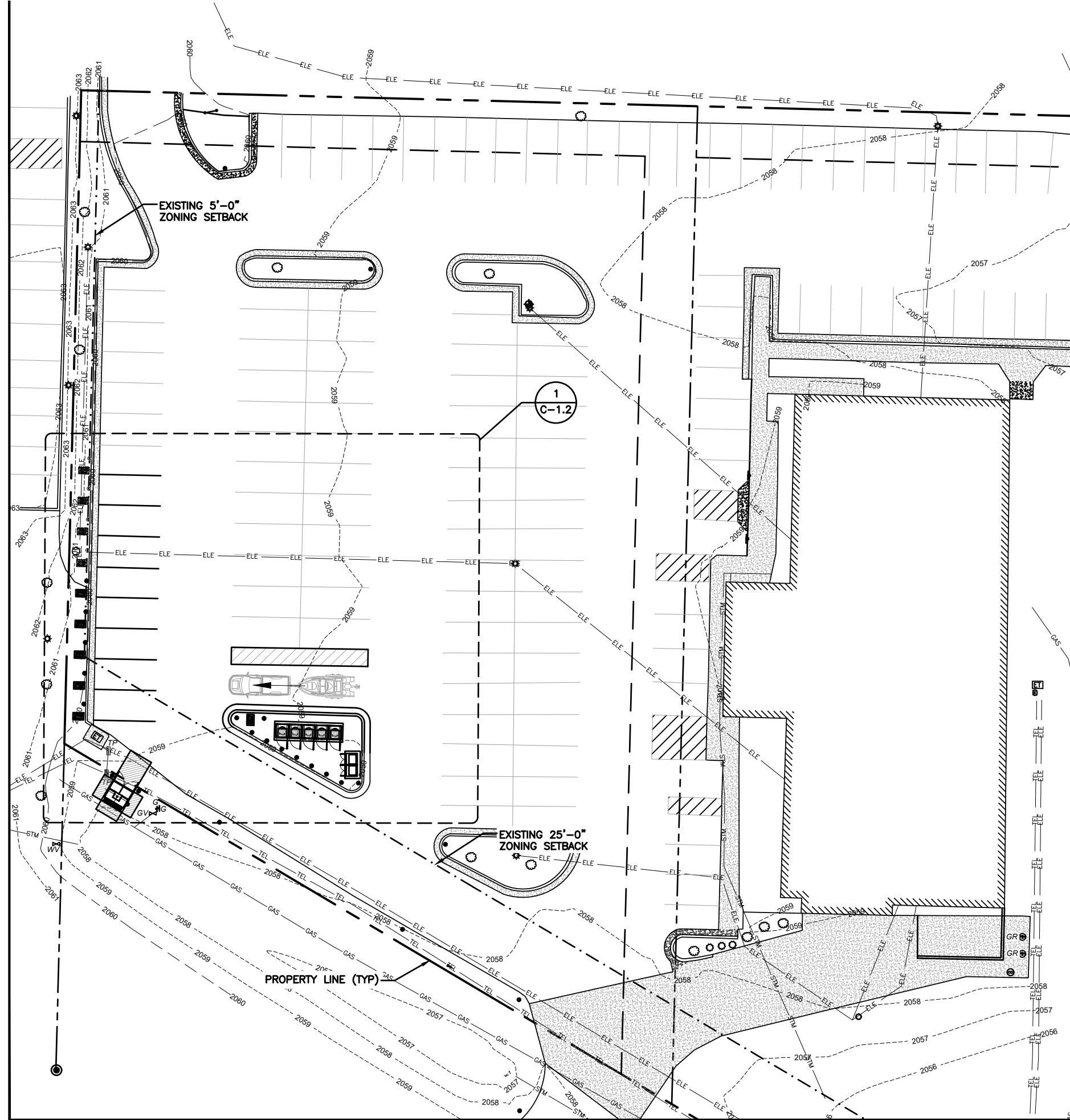
3550 W. Robinson Street, Third Floor
Norman, Oklahoma 73072
Main Office Phone No. 405-253-2444
Toll Free: 888.457.7878

Drawn By: CZM	Date: 01/25/2022
Surveyor Ref. No: 21-11-0645	Revision: Zoning
Approved By: DMB	Date: --
Field Date: 12/16/2021	Revision: --
Scale: 1" = 20'	Date: --
	Revision: --

Prepared For:

PROJECT ADDRESS
383 West Mopar Drive
Hays, Kansas 67601

Project Name:
RA W Mopar Dr-Hays KS
CDS Project Number:
21-11-0645

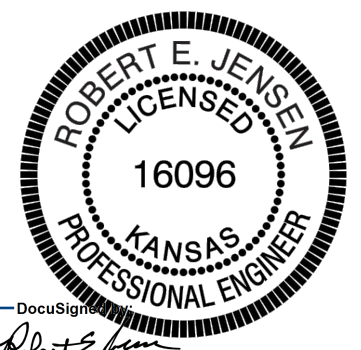


- GENERAL NOTES:**
1. THE CONTRACTOR SHALL ENSURE THAT EXISTING CURBING AND PAVEMENT IS NOT DAMAGED WHILE ACCESSING WORK AT THE SITE AND SHALL BE RESPONSIBLE TO REPLACE CURBING AND PAVEMENT IF DAMAGED.
 2. THE CONTRACTOR SHALL REMOVE EXISTING PAVEMENT AND/OR CURB USING CLEAN SAW CUTS TO INSTALL PROPOSED UNDERGROUND CONDUITS AND REPLACE PAVEMENT AND/OR CURB AFTER CONDUITS HAVE BEEN INSTALLED. NEW PAVEMENT SHALL MEET OR EXCEED EXISTING PAVEMENT SPECIFICATIONS. NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO PERFORMING WORK.
 3. APPLY LIQUID ASPHALT AT ALL JOINTS BETWEEN CONCRETE AND ASPHALT AND WHERE PROPOSED ASPHALT MEETS EXISTING, INCLUDING SAW CUT JOINTS.
 4. PROPOSED ASPHALT PAVEMENT SHALL MATCH EXISTING IN TYPE AND DEPTH. INCLUDE ENGINEERED COMPACTED BACKFILL BELOW PAVEMENT SECTION.

PARKING STALL SCHEDULE

DESCRIPTION	COUNT
TOTAL # OF STALLS REQUIRED	14
TOTAL # OF INITIAL CHARGING STALLS	5
TOTAL # OF TRAILER CHARGING STALLS	1
TOTAL # OF FUTURE CHARGING STALLS	4
TOTAL # OF L2 CHARGING STALLS	0
TOTAL # OF STANDARD STALLS	0
NET STALL COUNT	-4

STAMP: 12/16/2022



DocuSign
 ENGINEERING LICENSE:
 STATE OF KANSAS
 PE CERTIFICATE OF AUTHORIZATION # E-571
 ENGINEER: PE#: DISCIPLINE:
 NRK NICHOLAS R. KUFELDT 22059 CIVIL
 KMV KEVIN M. VANMAELE 22105 CIVIL
 REJ ROBERT E. JENSEN 16096 CIVIL
 CS CHRISTOPHER GIANNOTTI 28673 CIVIL
 SDK SHELTON D. KEISLING 13654 ELECTRICAL
 TMS TERRANCE M. SUPER 9250 ELECTRICAL

PLANS PREPARED FOR:



PLANS PREPARED BY:



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APPLICANT SITE NAME:

HAYS

SSC SITE NUMBER:

KS-00004

SITE ADDRESS:

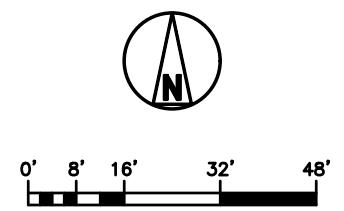
383 MOPAR DR, SUITE EV
 HAYS, KS 67601

SHEET DESCRIPTION:

OVERALL SITE PLAN

SHEET #:

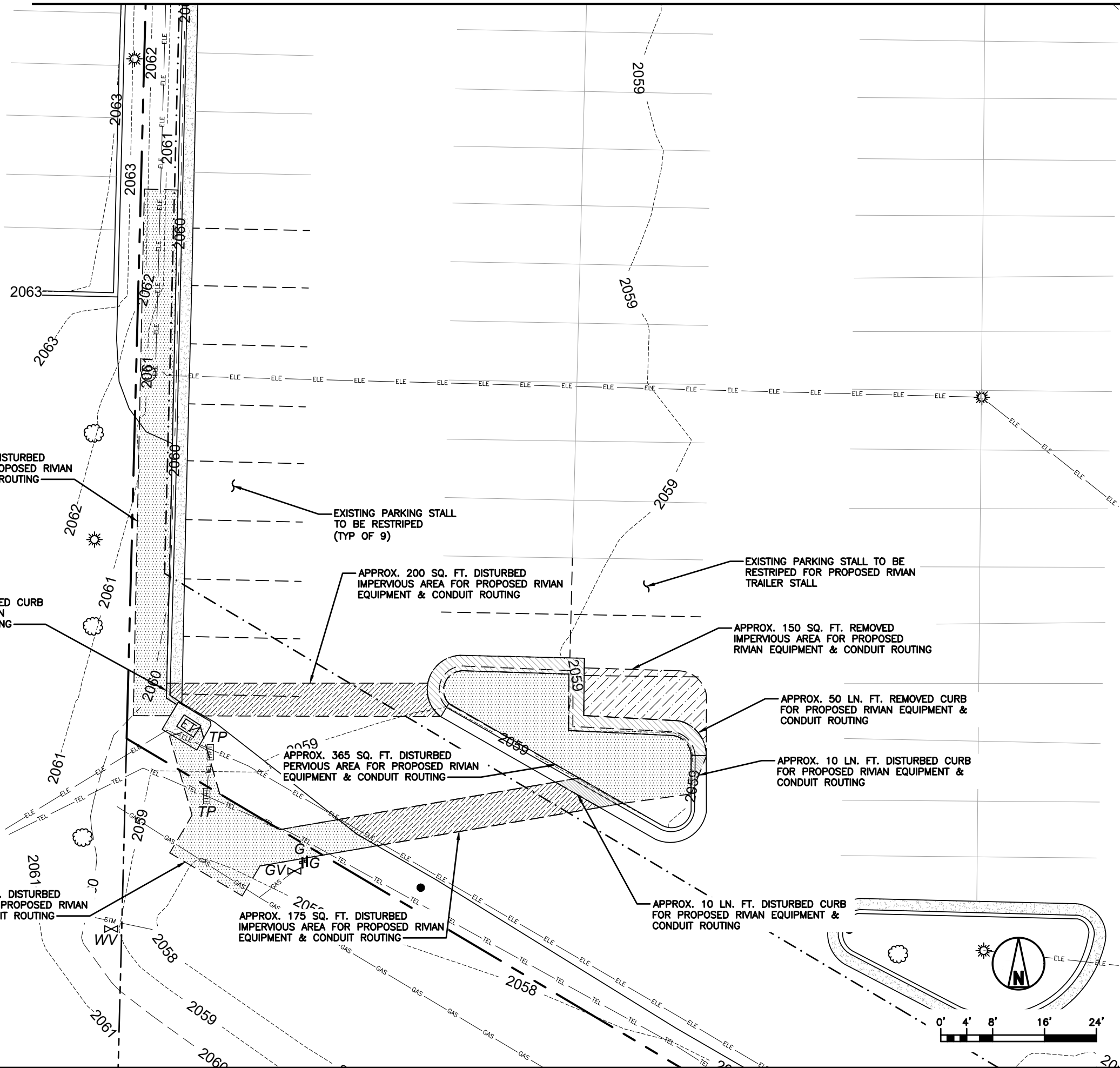
C-1.0



OVERALL SITE PLAN

TOTAL AREA LEGEND:

	DISTURBED CURB LENGTH 30± LN. FT
	REMOVED CURB LENGTH 50± LN. FT
	DISTURBED PERVIOUS AREA 1060± SQ. FT
	DISTURBED IMPERVIOUS AREA 375± SQ. FT
	REMOVED IMPERVIOUS AREA 150± SQ. FT



EXISTING SITE PLAN

STAMP: 12/16/2022

DocuSign
Robert E. Jensen

ENGINEERING LICENSE:
STATE OF KANSAS
PE CERTIFICATE OF AUTHORIZATION # E-571

ENGINEER:	PE#:	DISCIPLINE:
NRK NICHOLAS R. KUFELDT	22059	CIVIL
KMV KEVIN M. VANMAELE	22105	CIVIL
REJ ROBERT E. JENSEN	16096	CIVIL
CG CHRISTOPHER GIANNOTTI	28673	CIVIL
SDK SHELTON D. KEISLING	13654	ELECTRICAL
TMS TERRANCE M. SUPER	9250	ELECTRICAL

PLANS PREPARED FOR:

PLANS PREPARED BY:

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APPLICANT SITE NAME:
HAYS

SSC SITE NUMBER:
KS-00004

SITE ADDRESS:
**383 MOPAR DR, SUITE EV
HAYS, KS 67601**

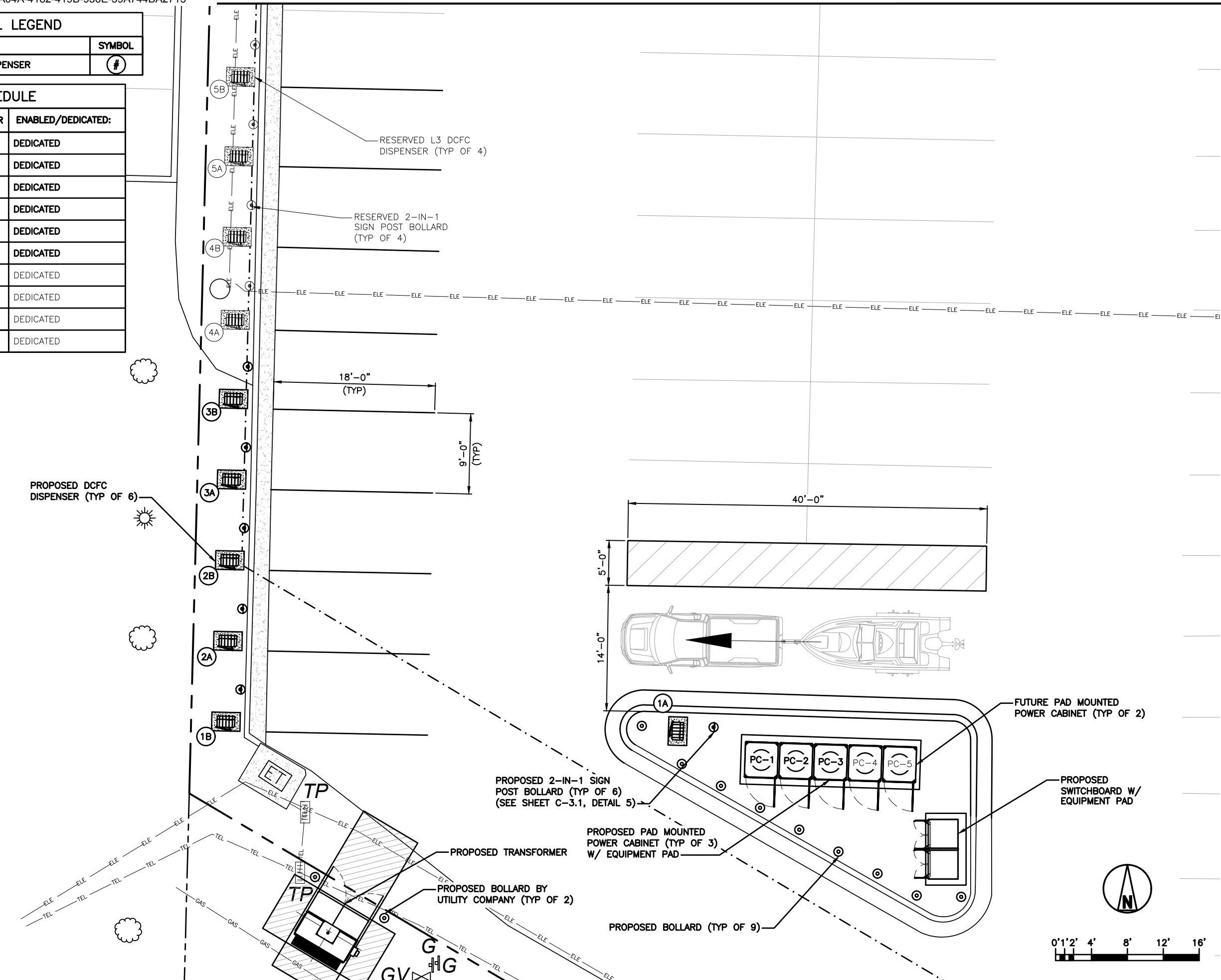
SHEET DESCRIPTION: EXISTING SITE PLAN	SHEET #: C-1.1
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PARKING STALL LEGEND

DESCRIPTION	SYMBOL
PROPOSED DCFC DISPENSER	#

SIGNAGE SCHEDULE

POWER CABINET	DISPENSER	ENABLED/DEDICATED:
PC-1	1A	DEDICATED
	1B	DEDICATED
PC-2	2A	DEDICATED
	2B	DEDICATED
PC-3	3A	DEDICATED
	3B	DEDICATED
PC-4	4A	DEDICATED
	4B	DEDICATED
PC-5	5A	DEDICATED
	5B	DEDICATED



ENLARGED SITE PLAN

STAMP: 12/16/2022

DocuSign
Robert E. Jensen

ENGINEERING LICENSE:
STATE OF KANSAS
PE CERTIFICATE OF AUTHORIZATION # E-571

ENGINEER:	PE#:	DISCIPLINE:
NRK NICHOLAS R. KUFELDT	22059	CIVIL
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PLANS PREPARED FOR:

PLANS PREPARED BY:

DRAWING NOTICE:
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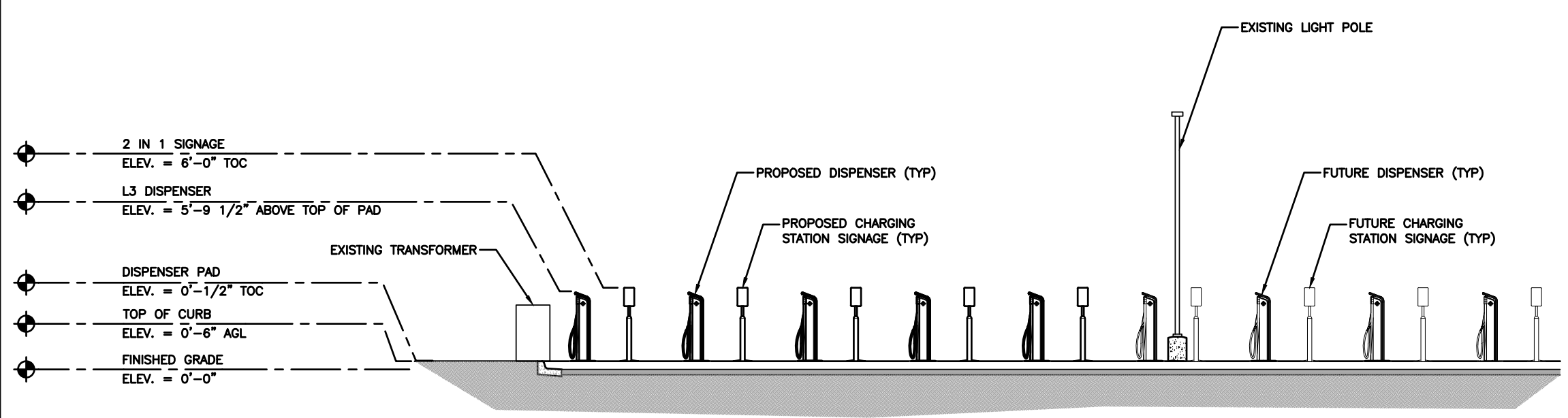
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UPDATE PER COMMENTS	10/31/22	DWO	1
UPDATE PER COMMENTS	12/16/22	EDA	2

APPLICANT SITE NAME:
HAYS

SSC SITE NUMBER:
KS-00004

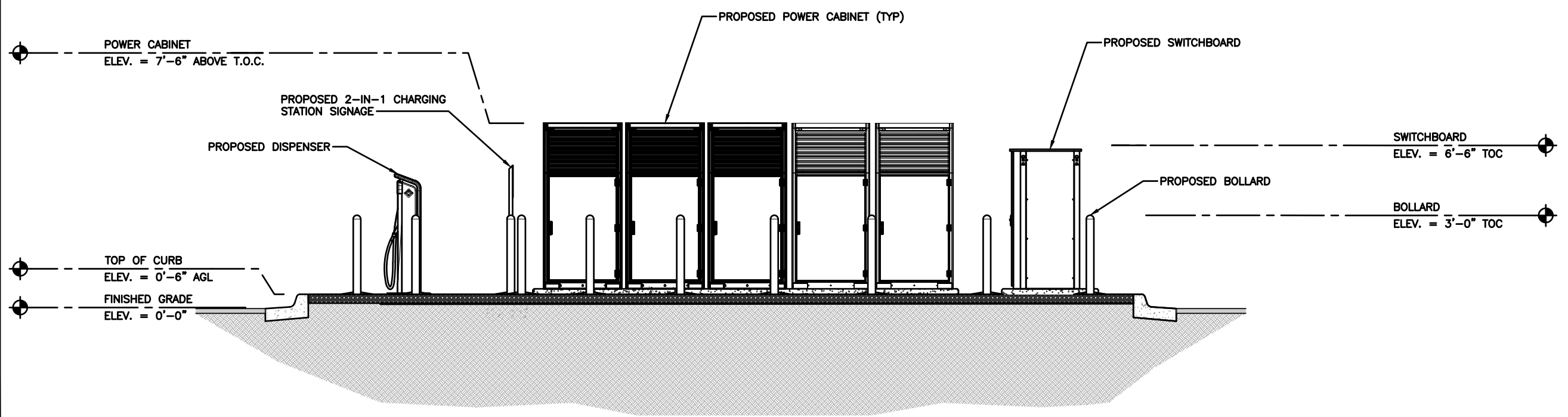
SITE ADDRESS:
**383 MOPAR DR, SUITE EV
HAYS, KS 67601**

SHEET DESCRIPTION: ENLARGED SITE PLAN	SHEET #: C-1.2
---	--------------------------



DISPENSER ELEVATION

1



EQUIPMENT ELEVATION

2

STAMP: 12/16/2022

ROBERT E. JENSEN
LICENSED
16096
KANSAS
PROFESSIONAL ENGINEER

DocuSign
Robert E. Jensen

ENGINEERING LICENSE:

STATE OF KANSAS
PE CERTIFICATE OF AUTHORIZATION # E-571

ENGINEER:	PE#:	DISCIPLINE:
NRK NICHOLAS R. KUFELDT	22059	CIVIL
KMV KEVIN M. VANMAELE	22105	CIVIL
REJ ROBERT E. JENSEN	16096	CIVIL
CG CHRISTOPHER GIANNOTTI	28673	CIVIL
SDK SHELTON D. KEISLING	13654	ELECTRICAL
TMS TERRANCE M. SUPER	9250	ELECTRICAL

PLANS PREPARED FOR:

PLANS PREPARED BY:

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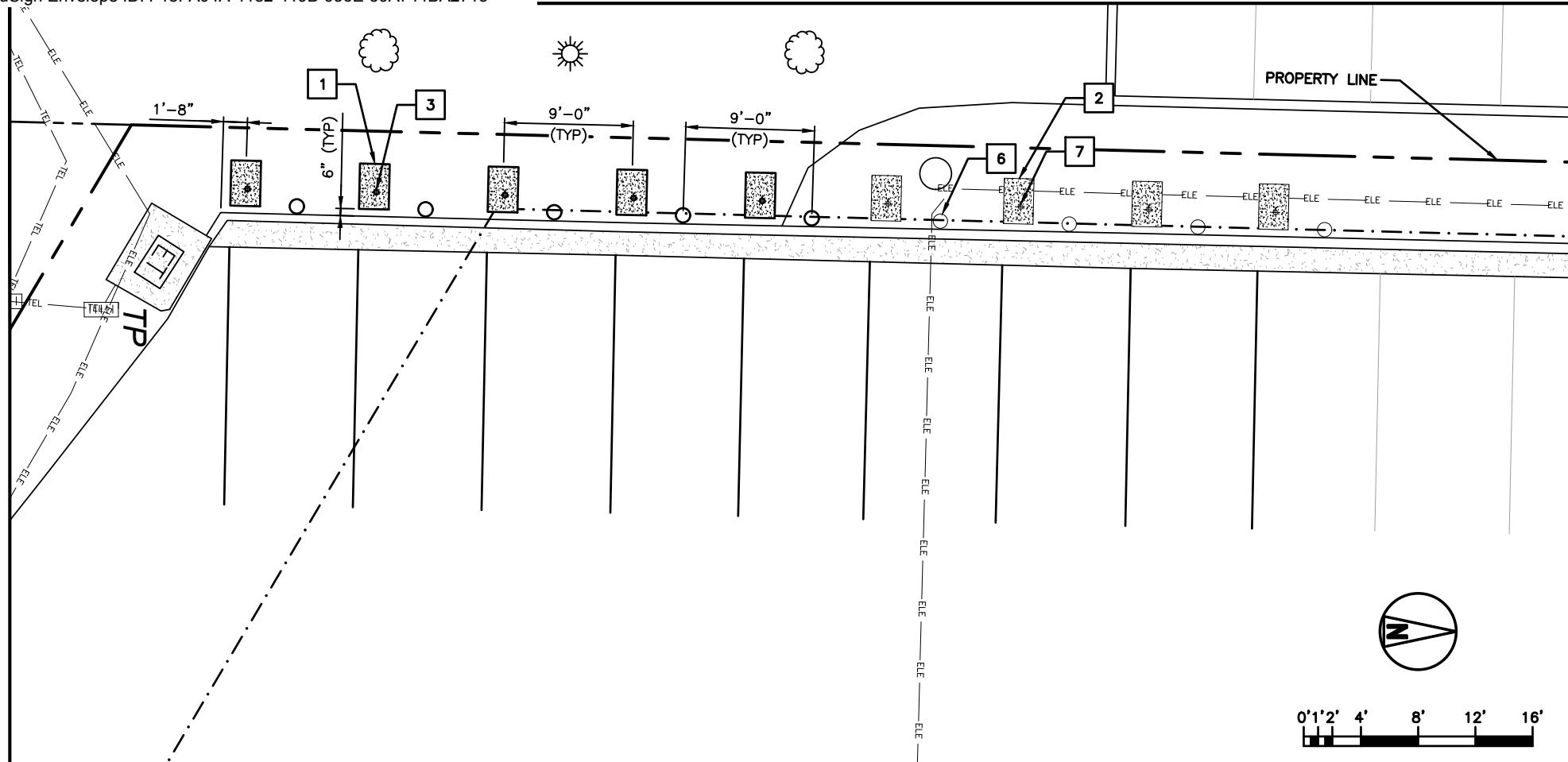
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ISSUED FOR CONSTRUCTION	04/13/22	CAM	0
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UPDATE PER COMMENTS	12/16/22	EDA	2

APPLICANT SITE NAME:
HAYS

SSC SITE NUMBER:
KS-00004

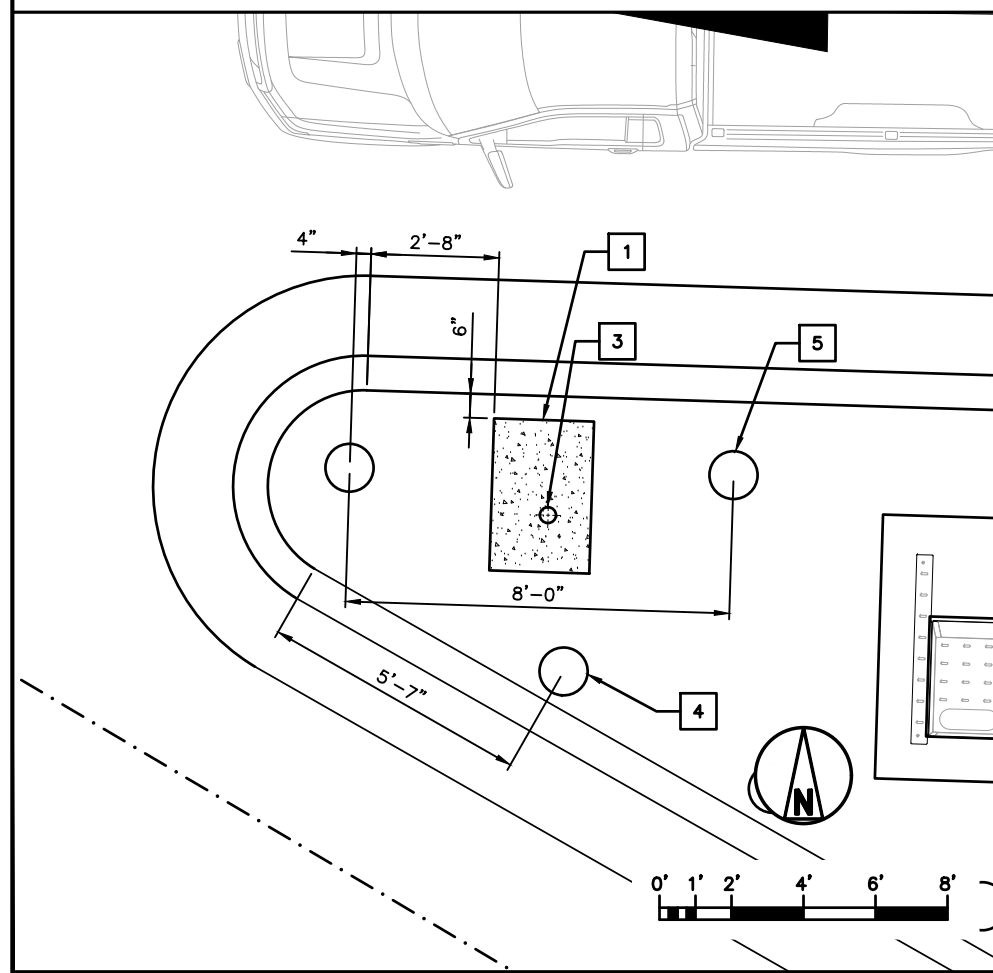
SITE ADDRESS:
383 MOPAR DR, SUITE EV
HAYS, KS 67601

SHEET DESCRIPTION: SITE ELEVATIONS	SHEET #: C-1.3
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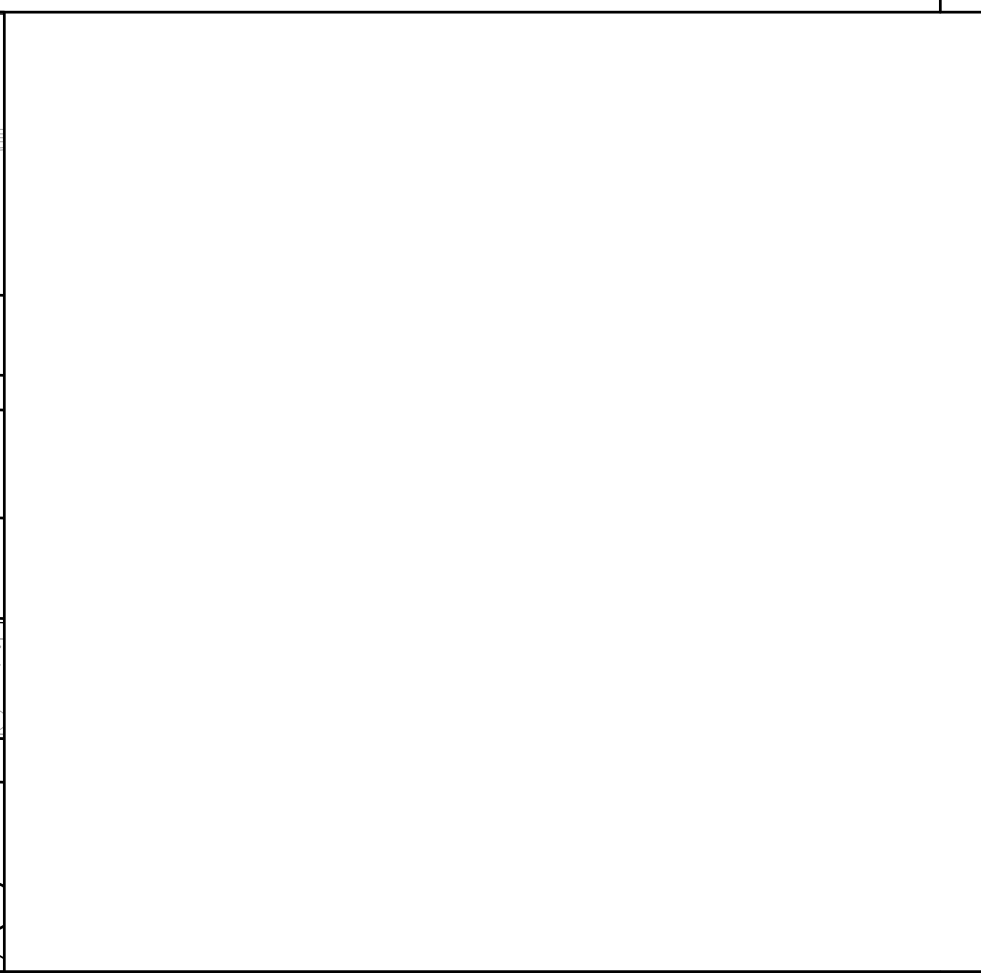
DISPENSER PLAN

1



TRAILER DISPENSER PLAN

3



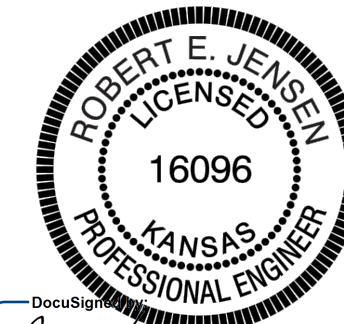
DETAIL NOT USED

2

KEYED NOTES:

- 1 PROPOSED 3'-2"x2'-1" PAD FOR DCFC DISPENSERS (TYP OF 6) (SEE SHEET C-3.0, DETAIL 1)
- 2 FUTURE 3'-2"x2'-1" PAD FOR RESERVED DCFC DISPENSERS (TYP OF 4) (SEE SHEET C-3.0, DETAIL 1)
- 3 PROPOSED 4" CONDUIT (TYP OF 10)
- 4 PROPOSED BOLLARD FOUNDATION (TYP OF 11)
- 5 PROPOSED 2-IN-1 SIGN POST BOLLARD FOUNDATION (TYP OF 6)
- 6 FUTURE 2-IN-1 SIGN POST BOLLARD FOUNDATION (TYP OF 4)
- 7 CONTRACTOR TO RUN CONDUIT TO FUTURE DISPENSER LOCATION, CAP, AND BURY CONDUIT (TYP OF 4)

STAMP: 12/16/2022



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Robert E. Jensen

ENGINEERING LICENSE:
STATE OF KANSAS
PE CERTIFICATE OF AUTHORIZATION # E-571

ENGINEER:	PE#:	DISCIPLINE:
NRK NICHOLAS R. KUFELDT	22059	CIVIL
KMV KEVIN M. VANMAELE	22105	CIVIL
REJ ROBERT E. JENSEN	16096	CIVIL
CGS CHRISTOPHER GIANNOTTI	28673	CIVIL
SDK SHELTON D. KEISLING	13654	ELECTRICAL
TMS TERRANCE M. SUPER	9250	ELECTRICAL

PLANS PREPARED FOR:



PLANS PREPARED BY:



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APPLICANT SITE NAME:

HAYS

SSC SITE NUMBER:

KS-00004

SITE ADDRESS:

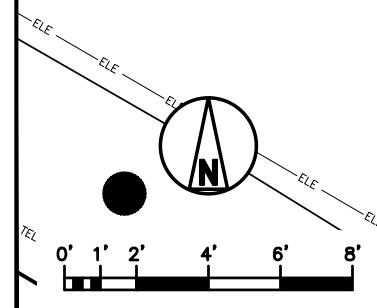
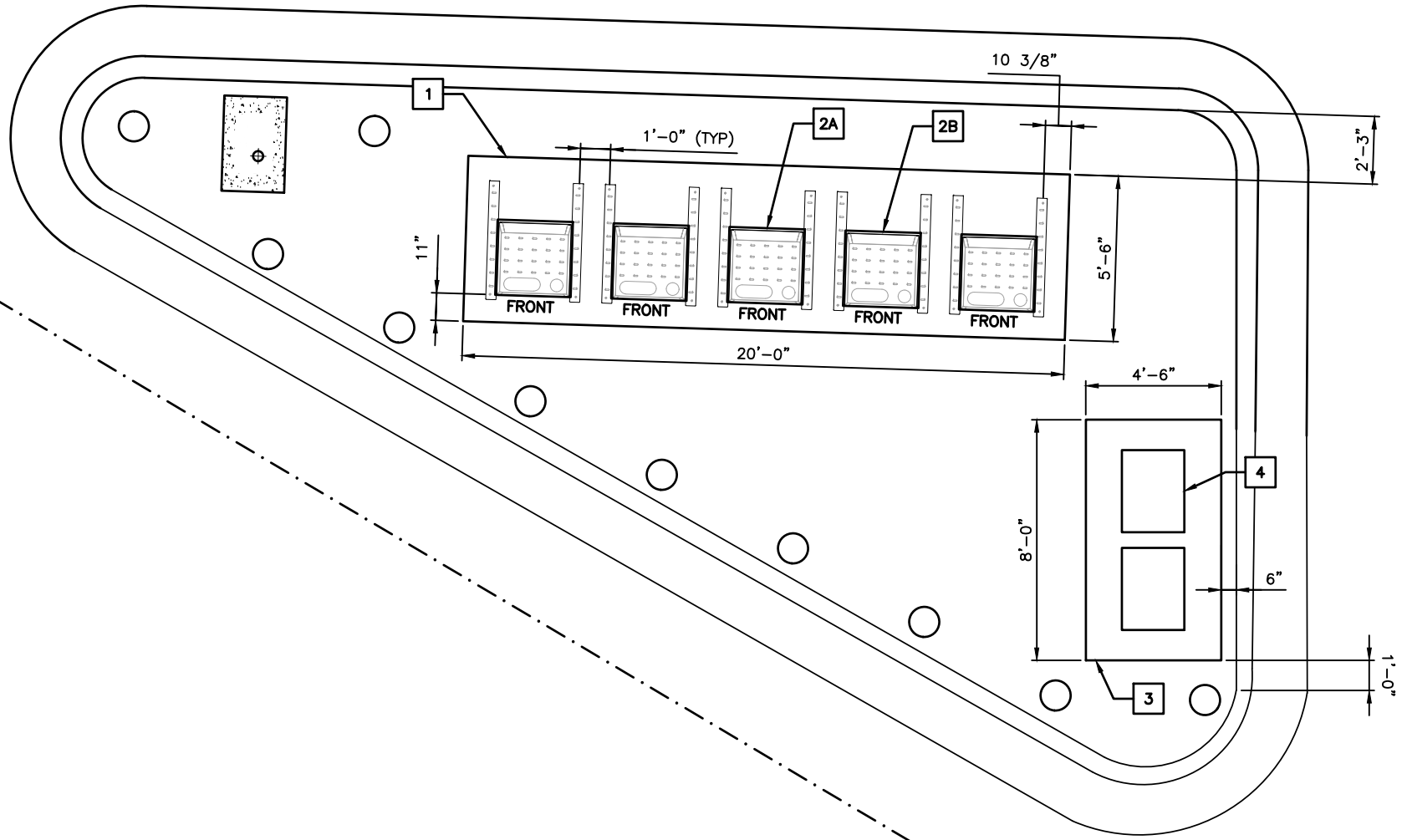
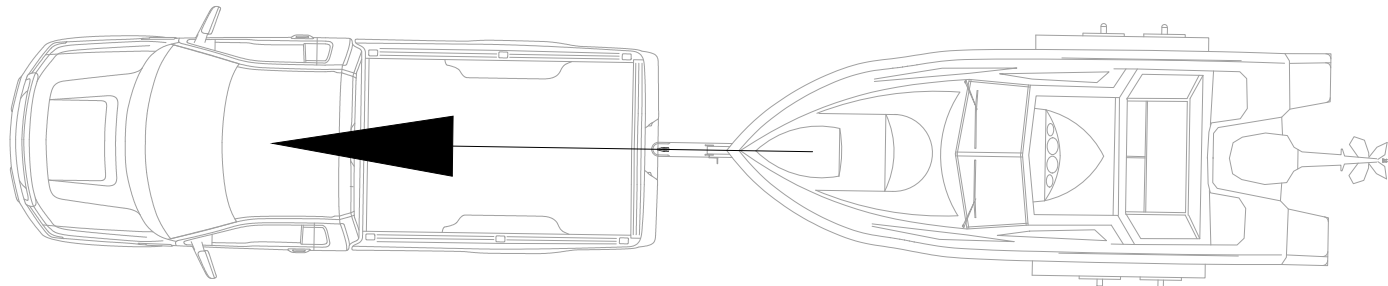
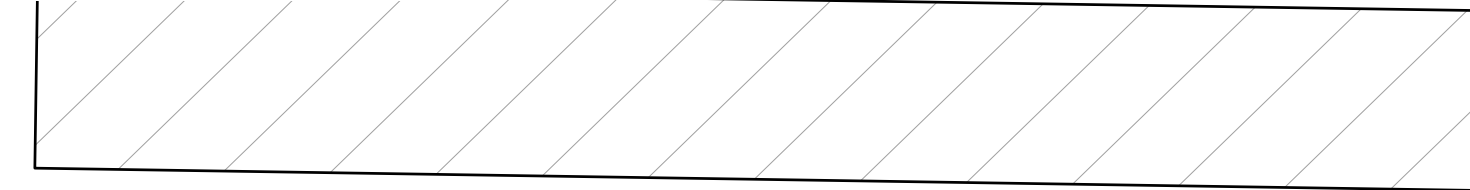
383 MOPAR DR, SUITE EV
HAYS, KS 67601

SHEET DESCRIPTION:

EQUIPMENT PLANS (1 OF 2)

SHEET #:

C-2.0



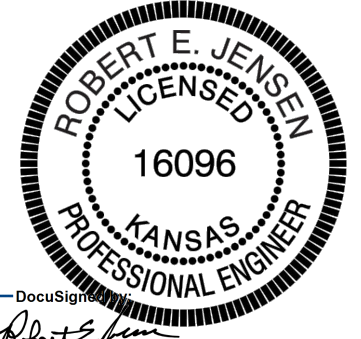
EQUIPMENT ENCLOSURE PLAN

1

KEYED NOTES:

- 1 PROPOSED 20'-0"x5'-6" POWER CABINET FOUNDATION (SEE SHEET C-3.1 & 3.2)
- 2A PROPOSED RIVIAN SITE BOX (TYP OF 3) (SEE SHEET C-3.2)
- 2B FUTURE RIVIAN SITE BOX (TYP OF 3) (SEE SHEET C-3.2)
- 3 PROPOSED 8'-0"x4'-6" SWITCHBOARD FOUNDATION (SEE SHEET C-3.1)
- 4 PROPOSED SWITCHBOARD CONDUIT BLOCKOUT (TYP OF 2) (SEE SWITCHBOARD SHOP DRAWINGS)

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ENGINEERING LICENSE:
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ENGINEER:	PE#:	DISCIPLINE:
NRK NICHOLAS R. KUFELDT	22059	CIVIL
KMV KEVIN M. VANMAELE	22105	CIVIL
REJ ROBERT E. JENSEN	16096	CIVIL
CC CHRISTOPHER GIANNOTTI	28673	CIVIL
SDK SHELTON D. KEISLING	13654	ELECTRICAL
TMS TERRANCE M. SUPER	9250	ELECTRICAL



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HAYS

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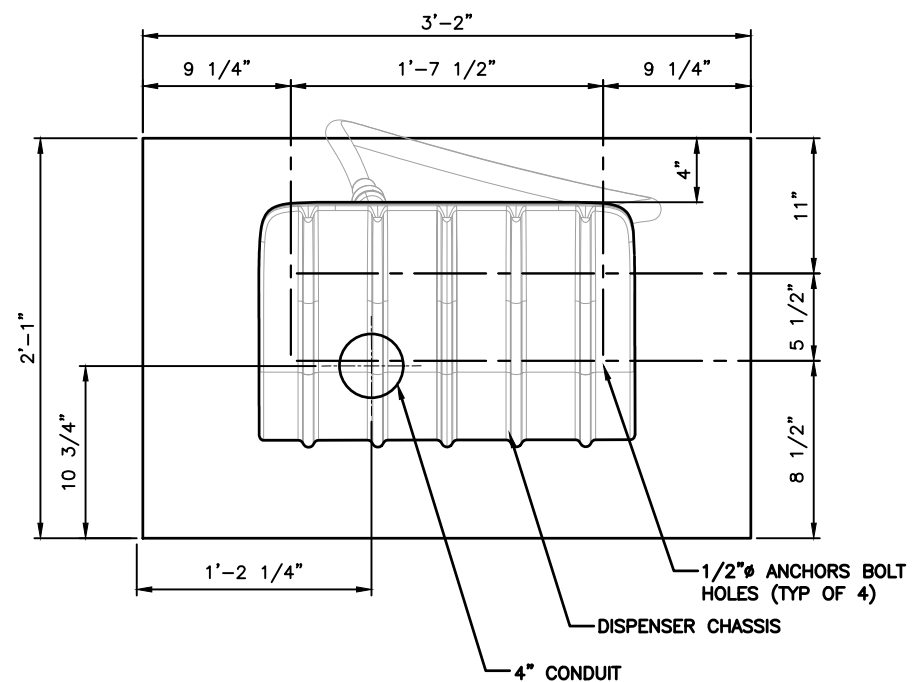
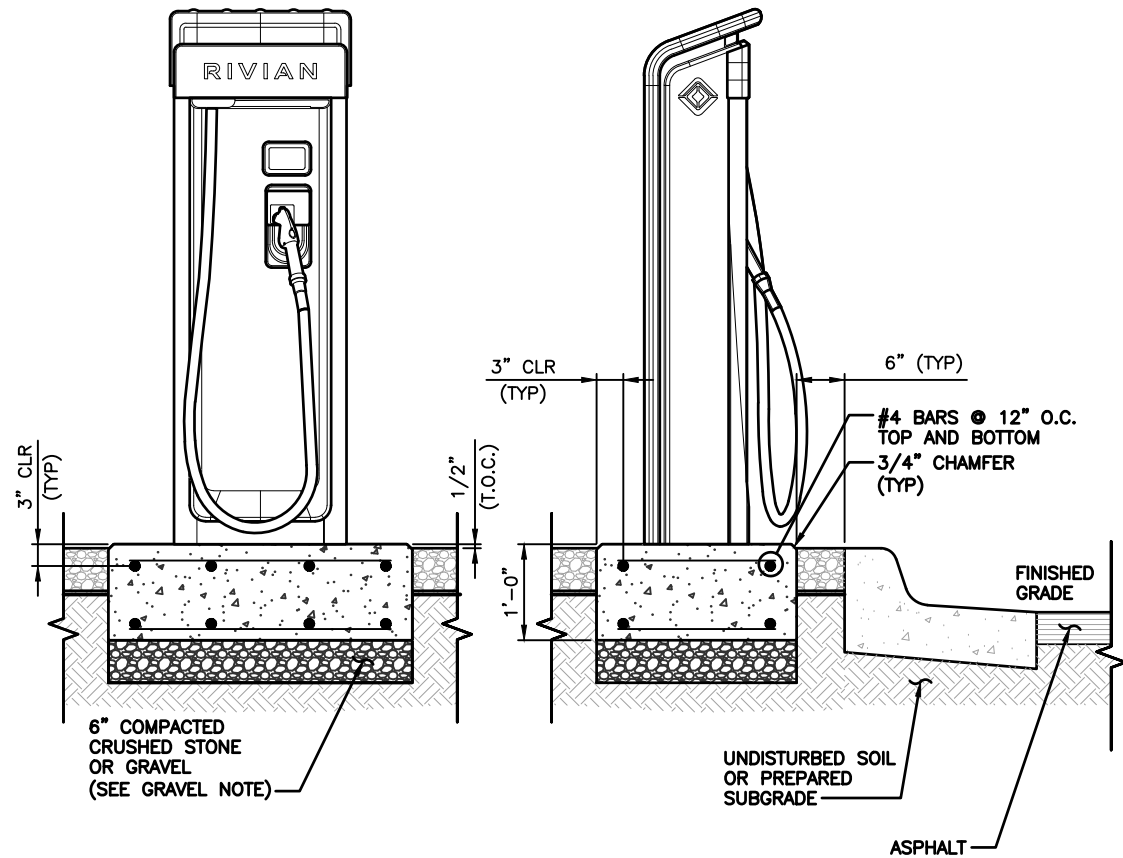
SITE ADDRESS:
**383 MOPAR DR, SUITE EV
HAYS, KS 67601**

SHEET DESCRIPTION: EQUIPMENT PLANS (2 OF 2)	SHEET #: C-2.1
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GRAVEL NOTE:
GRAVEL SHALL BE NATURAL OR CRUSHED STONE WITH 100 PERCENT PASSING 1 INCH SIEVE.

FOUNDATION NOTE:
MINIMUM SOIL BEARING CAPACITY OF 1500 PSF IS ASSUMED IN ALL FOUNDATIONS AND SLAB AREAS. (GENERAL CONTRACTOR SHALL VERIFY PRIOR TO CONSTRUCTION)

SPECIFICATIONS:
DIMENSIONS (HxDxW):
DISPENSER: 69.5"x22.5"x13.5"



DCFC DISPENSER DETAIL

1

DETAIL NOT USED

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Robert E. Jensen

ENGINEERING LICENSE:
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PE CERTIFICATE OF AUTHORIZATION # E-571

ENGINEER:	PE#:	DISCIPLINE:
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KMV KEVIN M. VANMAELE	22105	CIVIL
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CCJ CHRISTOPHER GIANNOTTI	28673	CIVIL
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PLANS PREPARED FOR:

PLANS PREPARED BY:

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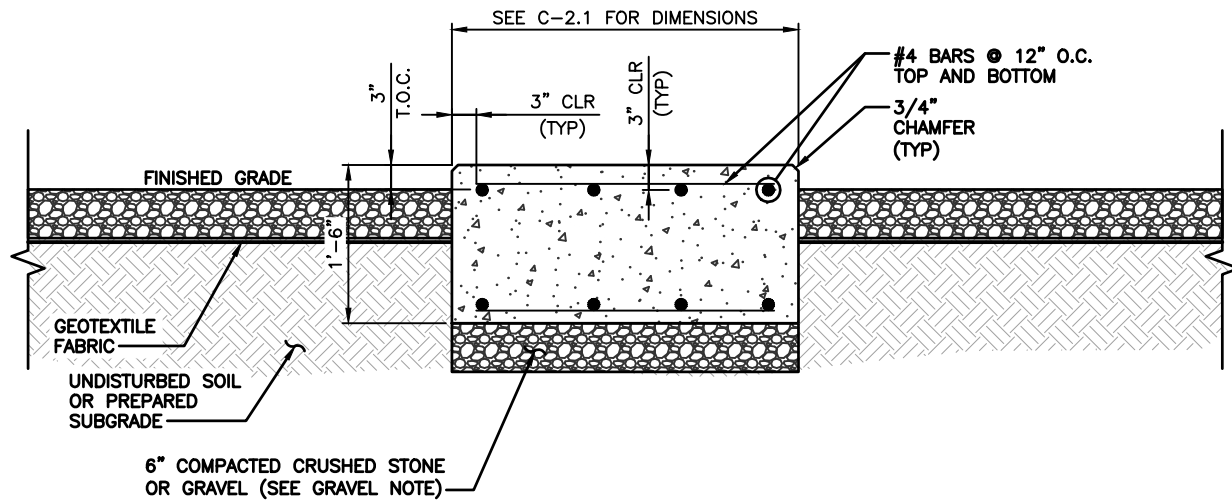
APPLICANT SITE NAME:
HAYS

SSC SITE NUMBER:
KS-00004

SITE ADDRESS:
**383 MOPAR DR, SUITE EV
HAYS, KS 67601**

SHEET DESCRIPTION: EQUIPMENT DETAILS (1 OF 4)	SHEET #: C-3.0
---	--------------------------

2



GRAVEL NOTE:
GRAVEL SHALL BE NATURAL OR CRUSHED STONE WITH 100 PERCENT PASSING 1 INCH SIEVE.

FOUNDATION NOTE:
MINIMUM SOIL BEARING CAPACITY OF 1500 PSF IS ASSUMED IN ALL FOUNDATIONS AND SLAB AREAS. (GENERAL CONTRACTOR SHALL VERIFY PRIOR TO CONSTRUCTION)

GROUNDING NOTE:
SEE SHEET G-2.0, DETAIL 4 FOR SWITCHBOARD FOUNDATION GROUNDING PLAN.

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PE CERTIFICATE OF AUTHORIZATION # E-571

ENGINEER:	PE#:	DISCIPLINE:
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KMV KEVIN M. VANMAELE	22105	CIVIL
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CC CHRISTOPHER GIANNOTTI	28673	CIVIL
SDK SHELTON D. KEISLING	13654	ELECTRICAL
TMS TERRANCE M. SUPER	9250	ELECTRICAL

PLANS PREPARED FOR:

PLANS PREPARED BY:



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APPLICANT SITE NAME:
HAYS

SSC SITE NUMBER:
KS-00004

SITE ADDRESS:
**383 MOPAR DR, SUITE EV
HAYS, KS 67601**

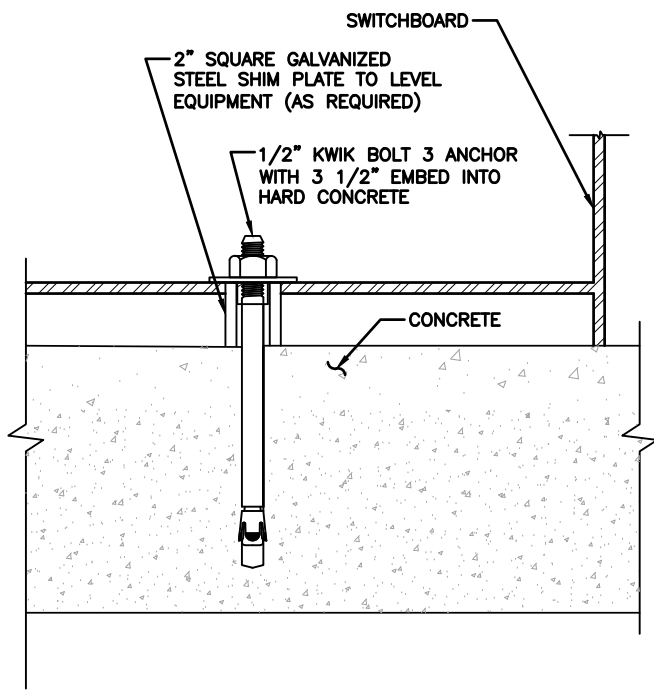
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RIVIAN POWER CABINET AND SWITCHBOARD FOUNDATION SECTION

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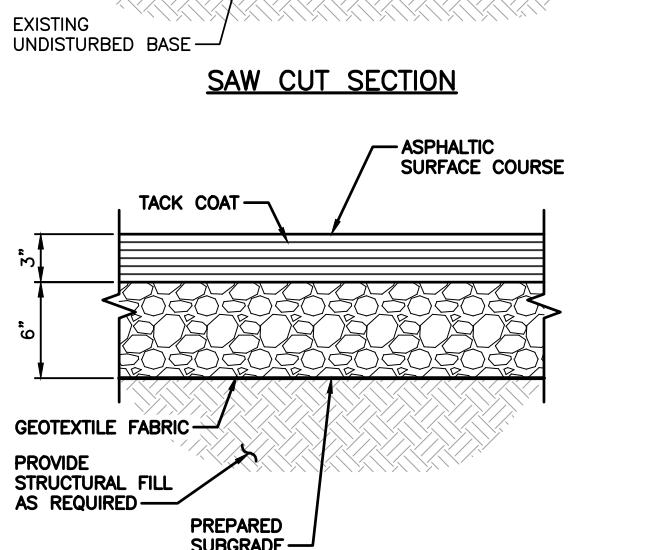
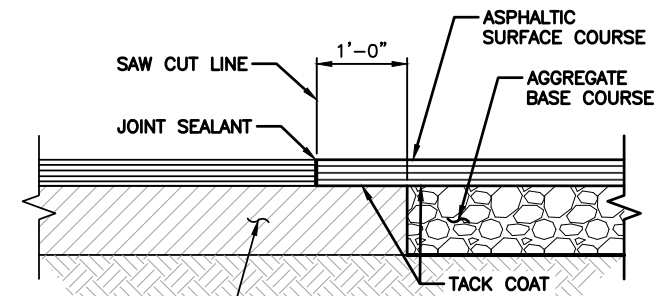
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2



SWITCHBOARD ANCHORAGE DETAIL

5



ASPHALTIC PAVING SECTION

ASPHALT REPAIR DETAIL

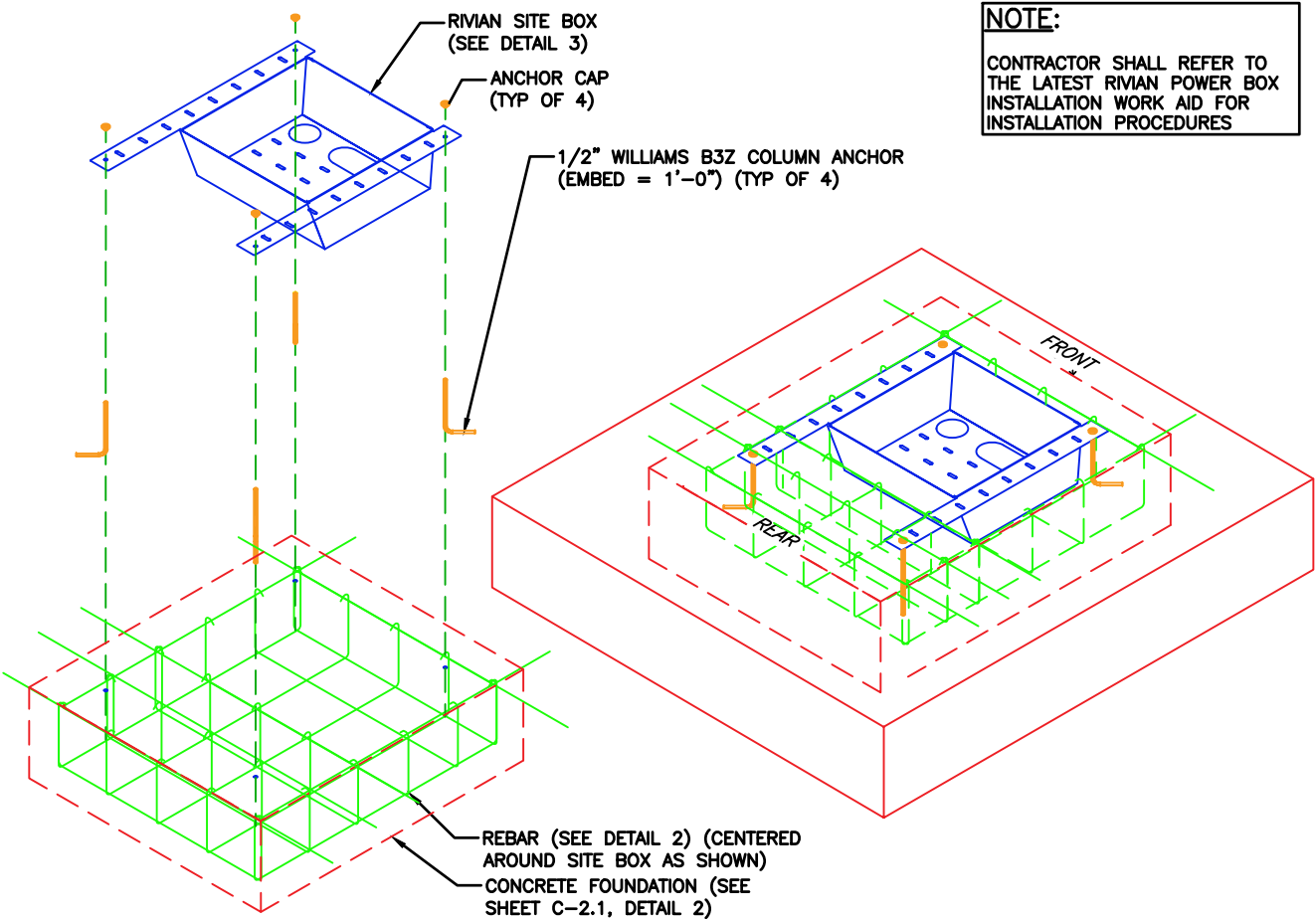
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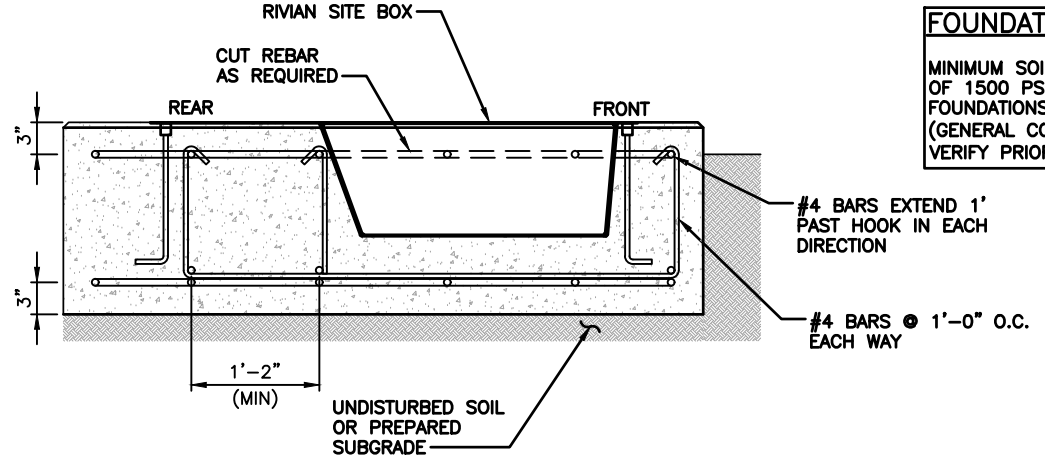
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DETAIL NOT USED

3



NOTE:
CONTRACTOR SHALL REFER TO THE LATEST RIVIAN POWER BOX INSTALLATION WORK AID FOR INSTALLATION PROCEDURES



FOUNDATION NOTE:
MINIMUM SOIL BEARING CAPACITY OF 1500 PSF IS ASSUMED IN ALL FOUNDATIONS AND SLAB AREAS. (GENERAL CONTRACTOR SHALL VERIFY PRIOR TO CONSTRUCTION)

- NOTES:**
1. FOUNDATION AREA SHALL BE EXCAVATED TO THE DEPTH AND DIMENSIONS SHOWN ON THE PLANS. OTHER UNSUITABLE MATERIAL SHALL BE REMOVED AND LEGALLY DISPOSED OF OFF-SITE. THE SUBGRADE SHALL BE ROLLED WITH A 1-TON, VIBRATORY, WALK-BEHIND ROLLER AT A SPEED OF LESS THAN 2 FPS, 6 PASSES MINIMUM, TO PROVIDE UNYIELDING SURFACE.
 2. UNDERCUT SOFT OR "WEAVING" AREAS A MINIMUM OF 1'-0" DEEP. BACKFILL UNDERCUT AREA WITH FILL MEETING THE SPECIFICATIONS OF STRUCTURAL FILL.
 3. REINFORCING BAR TO BE ASTM A615 GRADE 60.
 4. ALL REINFORCING TO HAVE MINIMUM CONCRETE COVER PER ACI SPECIFICATIONS.
 5. ALL CONCRETE MATERIALS AND PROFESSIONAL TECHNIQUES SHALL CONFORM TO ACI 318-14 AND APPLICABLE STATE BUILDING CODE.
 6. 100% TIES FOR REBAR OVERLAP. NO COLD JOINTS SHALL BE PERMITTED.

STAMP: 12/16/2022

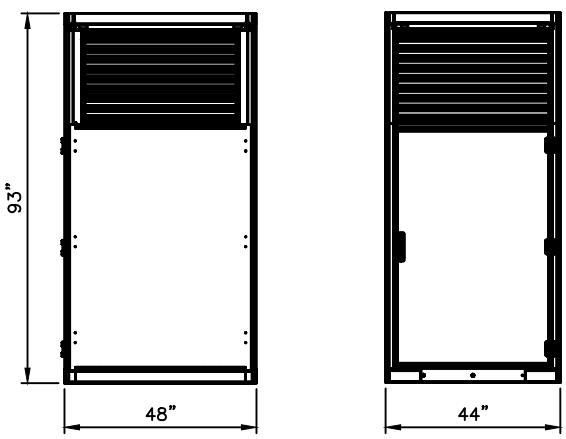
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Robert E. Jensen

ENGINEERING LICENSE: STATE OF KANSAS
PE CERTIFICATE OF AUTHORIZATION # E-571

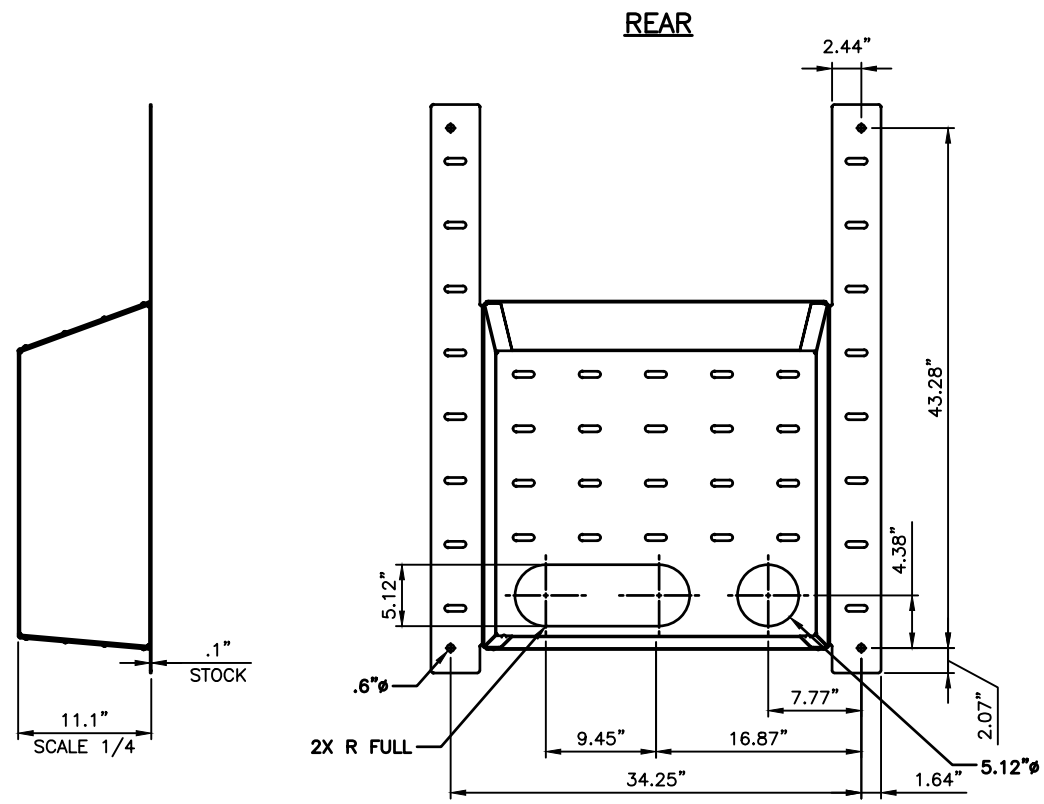
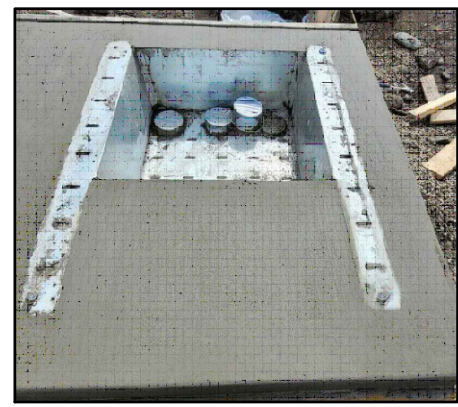
ENGINEER:	PE#:	DISCIPLINE:
NRK NICHOLAS R. KUFELDT	22059	CIVIL
KMV KEVIN M. VANMAELE	22105	CIVIL
REJ ROBERT E. JENSEN	16096	CIVIL
CSJ CHRISTOPHER GIANNOTTI	28673	CIVIL
SDK SHELTON D. KEISLING	13654	ELECTRICAL
TMS TERRANCE M. SUPER	9250	ELECTRICAL

RIVIAN SITE BOX ISOMETRIC DETAIL

POWER CABINET EQUIPMENT PAD DETAIL



SPECIFICATIONS:
DIMENSIONS (HxDxW): 93"x48"x44"



PLANS PREPARED FOR:

PLANS PREPARED BY:

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APPLICANT SITE NAME:
HAYS

SSC SITE NUMBER:
KS-00004

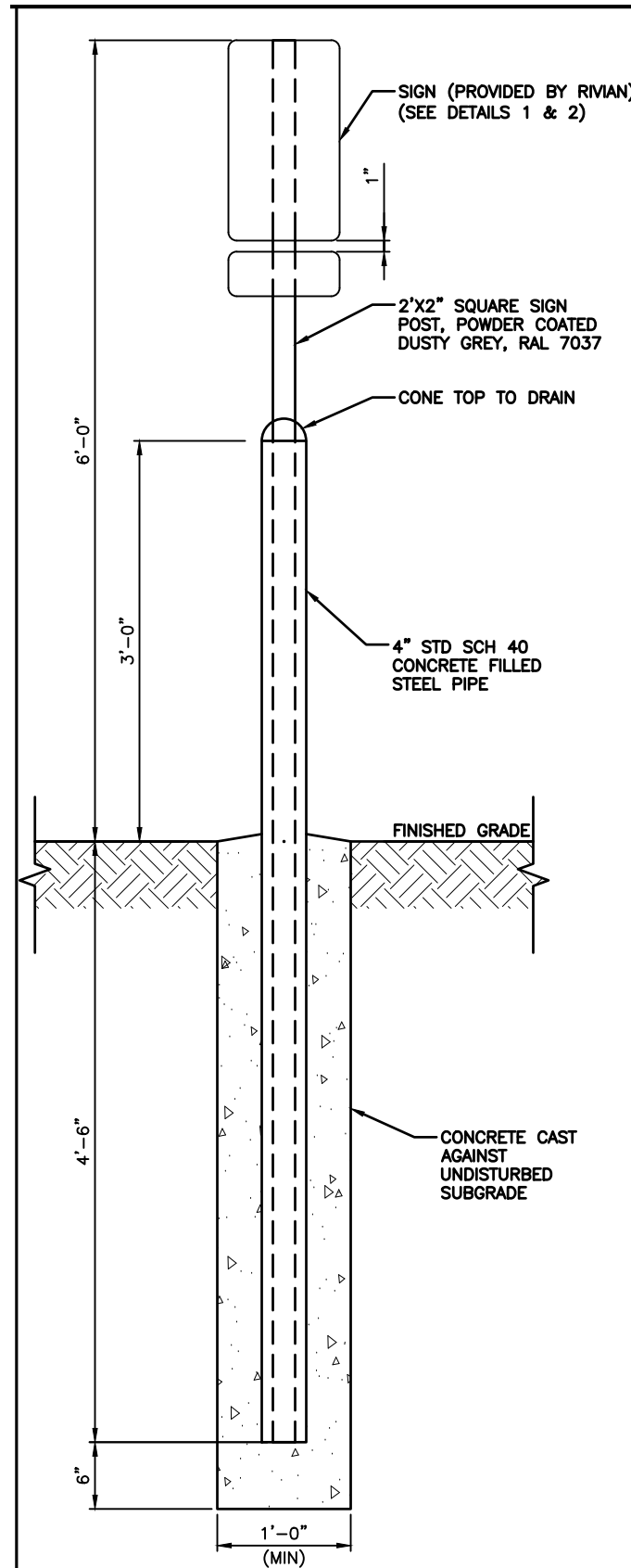
SITE ADDRESS:
**383 MOPAR DR, SUITE EV
HAYS, KS 67601**

SHEET DESCRIPTION: EQUIPMENT DETAILS (3 OF 4)	SHEET #: C-3.2
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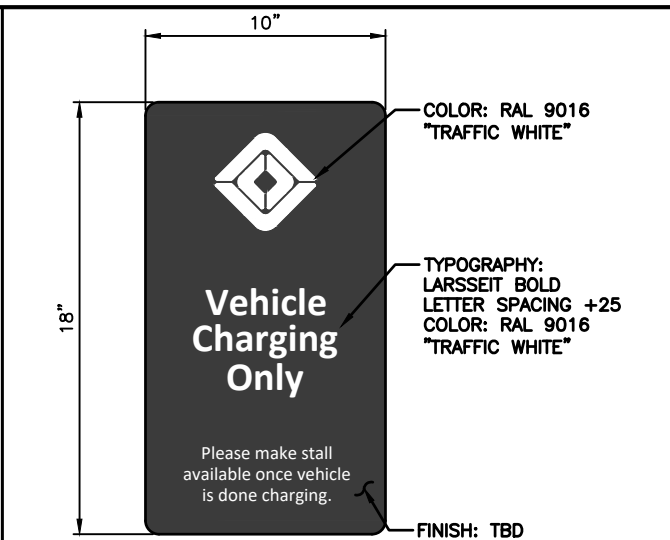
POWER CABINET DETAIL

RIVIAN SITE BOX PHOTOS

RIVIAN SITE BOX DETAIL

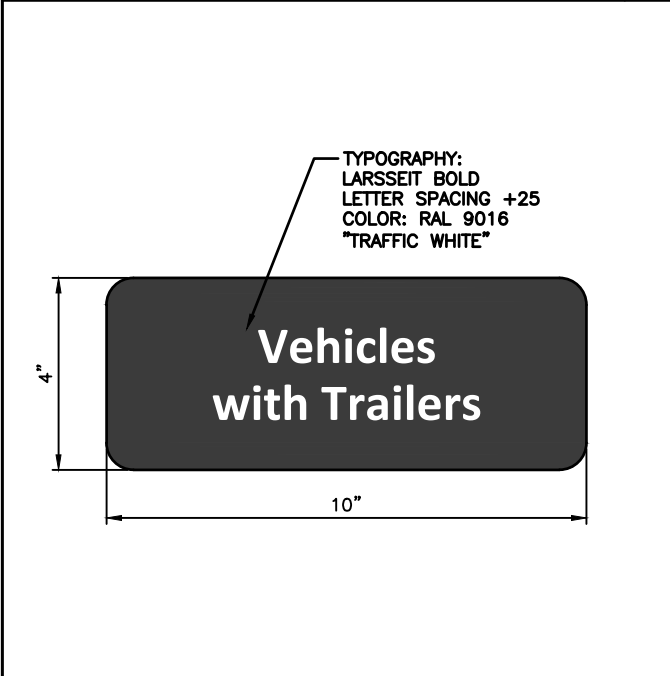


SPECIFICATIONS:
MATERIAL: STEEL
FINISH: POWDER COATED - SEMI GLOSS
COLORING: DUSTY GREY, RAL 7037



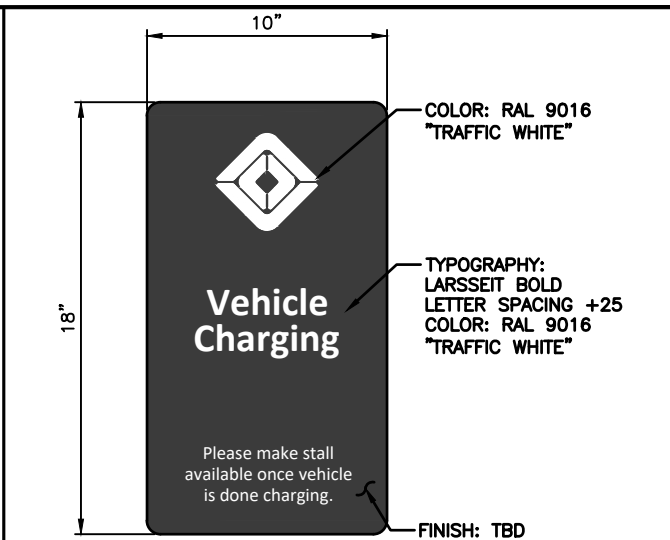
SPECIFICATIONS:
DIMENSIONS (WxH): 10"x18"
MATERIAL: 1/8" THICK POWDER COATED ALUMINUM
FINISH: TBD
GRAPHICS: APPLIED VINYL OR DIRECT PRINTED (EXTERIOR-GRADE)

DEDICATED DISPENSER SIGN DETAIL 1



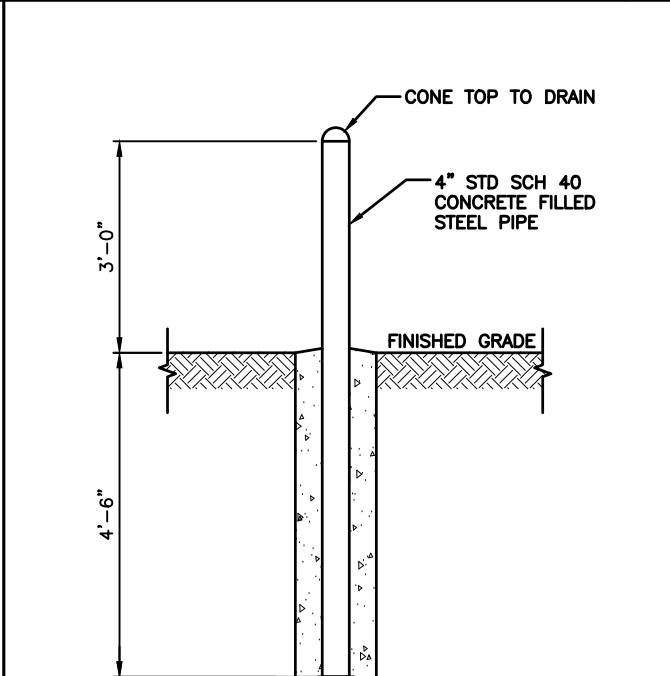
SPECIFICATIONS:
DIMENSIONS (WxH): 10"x4"
MATERIAL: 1/8" THICK POWDER COATED ALUMINUM
FINISH: RAL 6012 SATIN FINISH
GRAPHICS: APPLIED VINYL OR DIRECT PRINTED (EXTERIOR-GRADE)

TRAILER ACCESSIBLE SIGN DETAIL 4



SPECIFICATIONS:
DIMENSIONS (WxH): 10"x18" & 10"x6"
MATERIAL: 1/8" THICK POWDER COATED ALUMINUM
FINISH: TBD
GRAPHICS: APPLIED VINYL OR DIRECT PRINTED (EXTERIOR-GRADE)

ENABLED DISPENSER SIGN DETAIL 2



SPECIFICATIONS:
MATERIAL: STEEL
FINISH: POWDER COATED - SEMI GLOSS
COLORING: DUSTY GREY, RAL 7037

BOLLARD POST MOUNT DETAIL 3

STAMP: 12/16/2022

DocuSign
 Robert E. Jensen

ENGINEERING LICENSE:
 STATE OF KANSAS
 PE CERTIFICATE OF AUTHORIZATION # E-571

ENGINEER:	PE#:	DISCIPLINE:
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KMV KEVIN M. VANMAELE	22105	CIVIL
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CC CHRISTOPHER GIANNOTTI	28673	CIVIL
SDK SHELTON D. KEISLING	13654	ELECTRICAL
TMS TERRANCE M. SUPER	9250	ELECTRICAL

PLANS PREPARED FOR:



PLANS PREPARED BY:



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UPDATE PER COMMENTS	12/16/22	EDA	2

APPLICANT SITE NAME:
 HAYS

SSC SITE NUMBER:
 KS-00004

SITE ADDRESS:
 383 MOPAR DR, SUITE EV
 HAYS, KS 67601

SHEET DESCRIPTION: EQUIPMENT DETAILS (4 OF 4)
SHEET #: C-3.3

DETAIL NOT USED 6

2-IN-1 BOLLARD DETAIL 5

TRAILER ACCESSIBLE SIGN DETAIL 4

BOLLARD POST MOUNT DETAIL 3

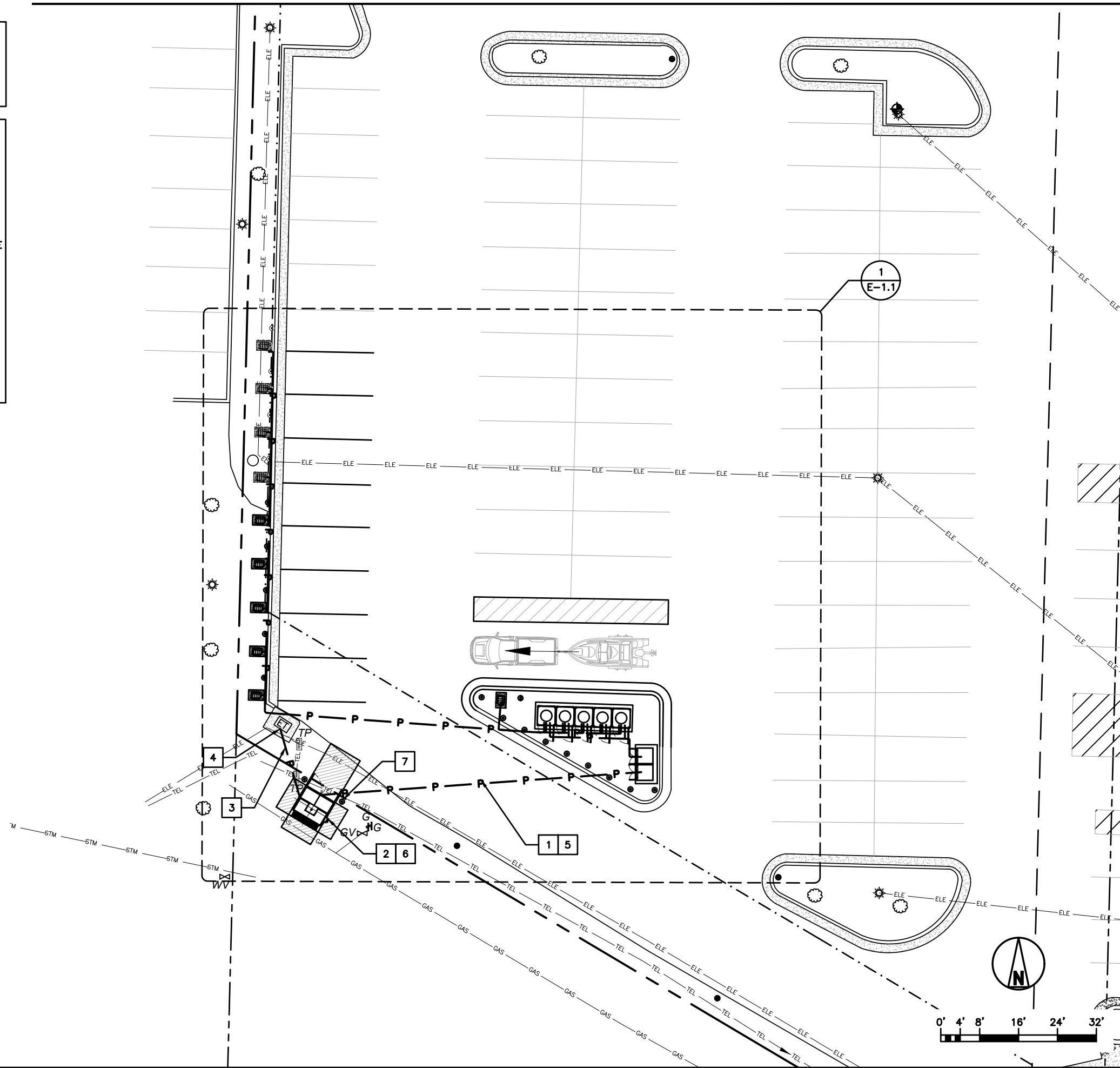
EQUIPMENT DETAILS (4 OF 4) C-3.3

CONTRACTOR NOTES:

1. RIVIAN CONTRACTOR TO REFERENCE DETAILS OF MIDWEST ENERGY'S UTILITY DESIGN AND SPECIFICATIONS.
2. RIVIAN CONTRACTOR TO INSTALL ALL CONDUIT, CONDUCTORS, AND EQUIPMENT PAST THE TRANSFORMER.

SCOPE OF WORK:

1. RIVIAN CONTRACTOR TO PROVIDE AND INSTALL SECONDARY CONDUITS, STUBBING UP AND CAPPING THE ENDS.
2. MIDWEST ENERGY TO PROVIDE AND INSTALL TRANSFORMER PAD AND 2500KVA TRANSFORMER WITH CT'S LOCATED WITHIN AND METER MOUNTED TO IT.
3. MIDWEST ENERGY TO PROVIDE AND INSTALL, TO INCLUDE TRENCHING, CONDUIT AND CONDUCTORS FROM THE EXISTING JUNCTION BOX TO THE TRANSFORMER.
4. MIDWEST ENERGY TO MAKE CONNECTIONS WITHIN THE EXISTING JUNCTION BOX.
5. RIVIAN TO PROVIDE AND PULL SECONDARY CONDUCTORS INTO THE TRANSFORMER.
6. MIDWEST ENERGY TO MAKE ALL CONNECTIONS WITHIN THE TRANSFORMER.
7. MIDWEST ENERGY TO PROVIDE AND INSTALL PROTECTIVE BOLLARDS.



UTILITY PLAN

STAMP: 12/16/2022

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ENGINEERING LICENSE
STATE OF KANSAS
PE CERTIFICATE OF AUTHORIZATION # E-571

ENGINEER:	PE#:	DISCIPLINE:
NRK NICHOLAS R. KUFELDT	22059	CIVIL
KMV KEVIN M. VANMAELE	22105	CIVIL
REJ ROBERT E. JENSEN	16096	CIVIL
CSJ CHRISTOPHER GIANNOTTI	28673	CIVIL
SDK SHELTON D. KEISLING	13654	ELECTRICAL
TMS TERRANCE M. SUPER	9250	ELECTRICAL

PLANS PREPARED FOR:

PLANS PREPARED BY:

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ISSUED FOR CONSTRUCTION	04/13/22	CAM	0
UPDATE PER COMMENTS	10/31/22	DWO	1
UPDATE PER COMMENTS	12/16/22	EDA	2

APPLICANT SITE NAME:
HAYS

SSC SITE NUMBER:
KS-00004

SITE ADDRESS:
**383 MOPAR DR, SUITE EV
HAYS, KS 67601**

SHEET DESCRIPTION: **UTILITY PLAN** SHEET #: **E-1.0**

NOTE:
CONTRACTOR TO REFERENCE CONSTRUCTION STANDARDS & UTILITY DESIGN OF MIDWEST ENERGY, INC.

NOTES:
1. CONTRACTOR TO CAP, BURY AND DOCUMENT PLACEMENT OF PROPOSED CONDUITS FOR FUTURE STALLS.
2. PROPOSED CONDUIT ROUTING IS SHOWN FOR ILLUSTRATIVE PURPOSES ONLY. CONTRACTOR TO ROUTE CONDUITS PER CODE AND FIELD CONDITIONS.

EVCS SCHEDULE				
EVCS #	EVCS STALL TYPE	CHARGING LEVEL	DISPENSER	CONDUIT LENGTH(±)
1A	STANDARD	LEVEL 3	SINGLE	15'
1B	STANDARD	LEVEL 3	SINGLE	60'
2A	STANDARD	LEVEL 3	SINGLE	70'
2B	STANDARD	LEVEL 3	SINGLE	80'
3A	STANDARD	LEVEL 3	SINGLE	90'
3B	STANDARD	LEVEL 3	SINGLE	100'
4A	STANDARD	LEVEL 3	SINGLE	110'
4B	STANDARD	LEVEL 3	SINGLE	120'
5A	STANDARD	LEVEL 3	SINGLE	130'
5B	STANDARD	LEVEL 3	SINGLE	140'

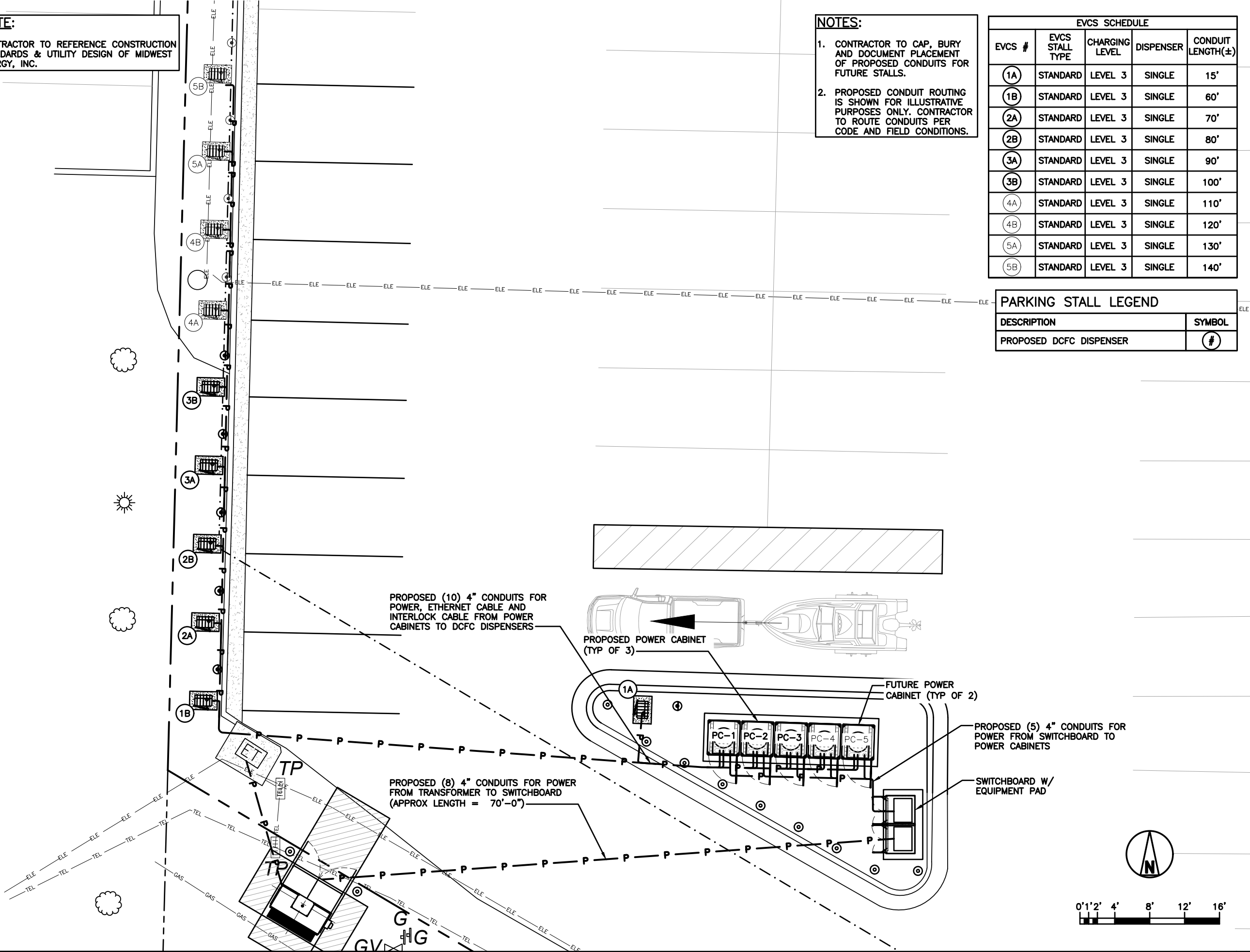
PARKING STALL LEGEND	
DESCRIPTION	SYMBOL
PROPOSED DCFC DISPENSER	#

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ENGINEERING LICENSE: 00527050403
STATE OF KANSAS
PE CERTIFICATE OF AUTHORIZATION # E-571

ENGINEER:	PE#:	DISCIPLINE:
NRK NICHOLAS R. KUFELDT	22059	CIVIL
KMV KEVIN M. VANMAELE	22105	CIVIL
REJ ROBERT E. JENSEN	16096	CIVIL
CS CHRISTOPHER GIANNOTTI	28673	CIVIL
SDK SHELTON D. KEISLING	13654	ELECTRICAL
TMS TERRANCE M. SUPER	9250	ELECTRICAL



PLANS PREPARED FOR:

PLANS PREPARED BY:

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HAYS

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KS-00004

SITE ADDRESS:
383 MOPAR DR, SUITE EV
HAYS, KS 67601

SHEET DESCRIPTION:	SHEET #:
RIVIAN UTILITY PLAN	E-1.1

NOTE:
SEE ONE-LINE DIAGRAM ON SHEET E-2.1 FOR ADDITIONAL INFORMATION.

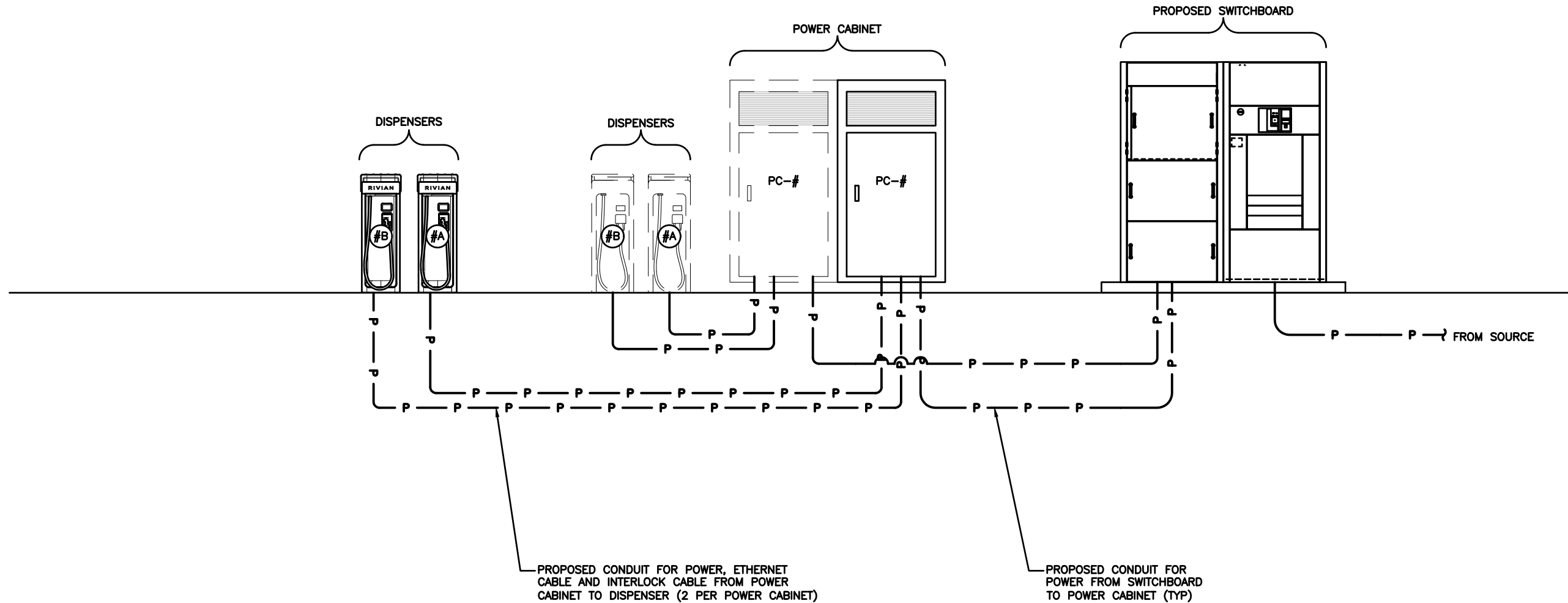
DISPENSER LEGEND	
DESCRIPTION	SYMBOL
PROPOSED DCFC DISPENSER	#

STAMP: 12/16/2022

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SDK SHELTON D. KEISLING	13654	ELECTRICAL
TMS TERRANCE M. SUPER	9250	ELECTRICAL



PLANS PREPARED FOR:

RIVIAN

PLANS PREPARED BY:

SSC

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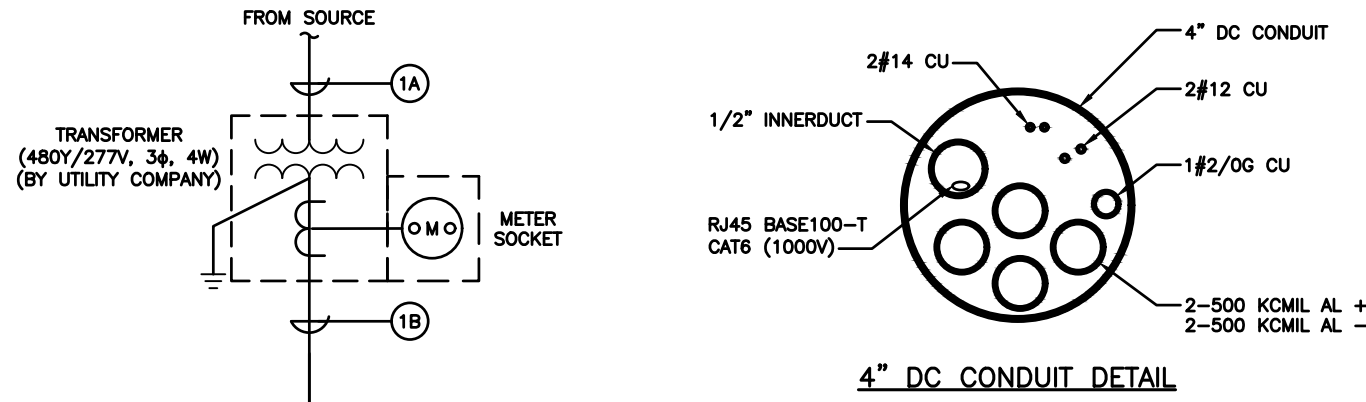
SSC SITE NUMBER:
KS-00004

SITE ADDRESS:
**383 MOPAR DR, SUITE EV
HAYS, KS 67601**

SHEET DESCRIPTION: RIVIAN RISER DIAGRAM	SHEET #: E-2.0
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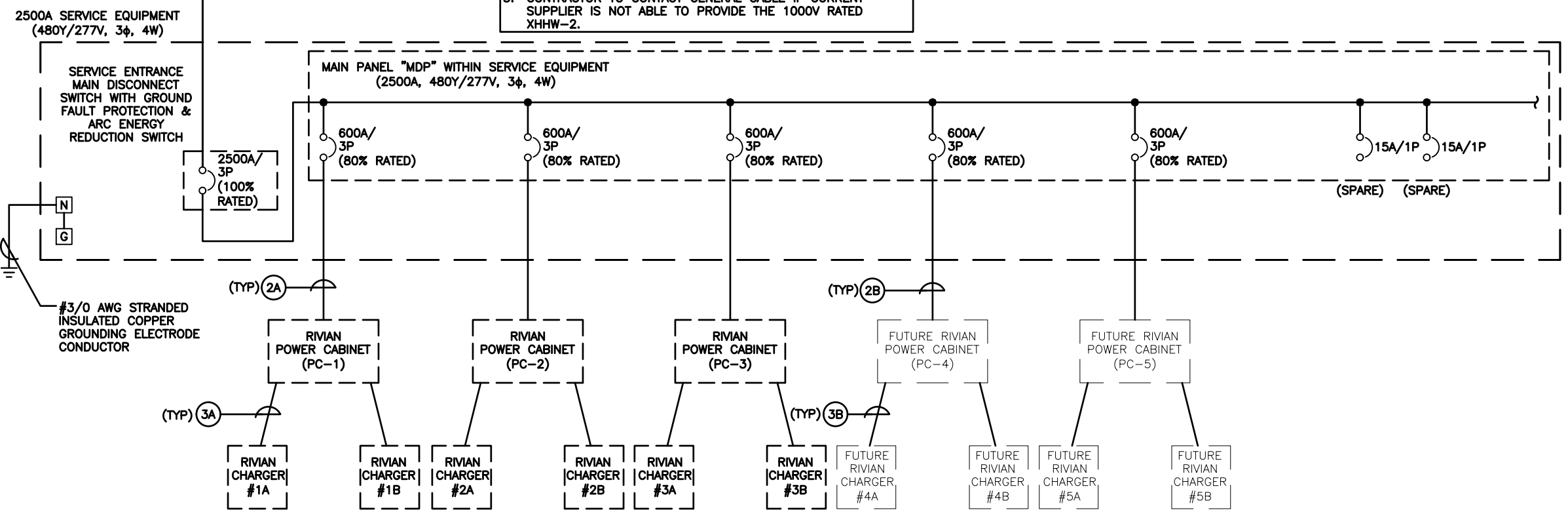
GENERAL NOTES:

- PROPOSED UTILITY CT'S SHALL BE LOCATED IN UTILITY APPROVED CT COMPARTMENTS MOUNTED IN TRANSFORMER. PROPOSED METER SHALL BE MOUNTED ON TRANSFORMER ENCLOSURE.
- WIRE AND CABLE SHALL BE 1000V, XLPE TYPE XHHW-2, UNLESS OTHERWISE INDICATED
- ALL ALUMINUM CONDUCTORS SHALL BE TREATED WITH AN ANTI-OXIDATIVE COATING DURING INSTALLATION. ALL OTHER CONDUCTORS SHALL BE COPPER UNLESS NOTED OTHERWISE.
- ALL CONDUITS ACCESSIBLE TO THE GENERAL PUBLIC OR WHICH ARE SUSCEPTIBLE TO CAN BE DAMAGE SHALL BE RIGID GALVANIZED STEEL.
- ALL ELECTRICAL EQUIPMENT SHALL BE LABELED, LISTED, OR CERTIFIED BY A NATIONALLY RECOGNIZED TESTING LABORATORY ACCREDITED BY THE UNITED STATES OCCUPATIONAL SAFETY HEALTH ADMINISTRATION.
- THE AFOREMENTIONED STANDARDS IDENTIFY THE REQUIREMENTS MET BY THE EQUIPMENT, INCLUDING BUT NOT LIMITED TO:
 - PROTECTION AGAINST ELECTRIC SHOCK
 - OVERLOAD AND SHORT CIRCUIT PROTECTION
 - FAULT PROTECTION
 - DEGREES OF PROTECTION AGAINST ACCESS TO HAZARDOUS LIVE PARTS.
 - INTERLOCK THAT DE-ENERGIZES THE ELECTRIC VEHICLE CONNECTOR WHENEVER THE ELECTRICAL CONNECTOR IS UNCOUPLED FROM THE ELECTRIC VEHICLE.
 - AUTOMATIC DE-ENERGIZATION OF CHARGING POST CABLE UPON EXPOSURE TO STRAIN.

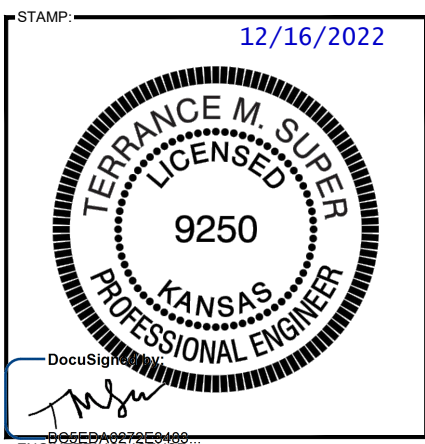


- NOTES:**
- RIVIAN ETHERNET CABLE WILL BE 1000V RATED XHHW-2 INSTALLED WITHIN 1/2" INNERDUCT IN THE 4" DC CONDUIT. (SEE 4" DC CONDUIT DETAIL)
 - ALL WIRES IN 4" DC CONDUIT TO BE 1000V RATED XHHW-2.
 - CONTRACTOR TO CONTACT GENERAL CABLE IF CURRENT SUPPLIER IS NOT ABLE TO PROVIDE THE 1000V RATED XHHW-2.

NO.	FROM	TO	CONFIGURATION	FUNCTION
1A	SOURCE	TRANSFORMER	(BY UTILITY COMPANY)	PRIMARY
1B	TRANSFORMER	SWITCHBOARD	(8) SETS OF 4-600 KCMIL ALUMINUM, EACH IN 4" PVC CONDUIT	SERVICE LATERAL
2A	SWITCHBOARD	POWER CABINET	(2) SETS OF 3-500 KCMIL AL, 1#1 COPPER GND, 4" PVC CONDUIT	POWER FEEDER TO POWER CABINETS
2B	SWITCHBOARD	FUTURE POWER CABINET	FUTURE (2) SETS OF 3-500 KCMIL AL, 1#1 COPPER GND, 4" PVC CONDUIT (INSTALL CONDUIT W/ MULE TAPE ONLY)	FUTURE POWER FEEDER TO FUTURE POWER CABINET
3A	POWER CABINET	DISPENSER	4-500 KCMIL AL, 1#2/0G CU, 2#12 CU, (1) RJ45 BASE100-T ETHERNET CABLE (SEE NOTE 1), AND 2#14 CU INTERLOCK WIRE IN 4" PVC CONDUIT	DC POWER FEEDER, COMMUNICATIONS CABLE, INTERLOCK CABLE, AND POWER CABLE TO DISPENSERS
3B	FUTURE POWER CABINET	FUTURE DISPENSER	4-500 KCMIL AL, 1#2/0G CU, 2#12 CU, (1) RJ45 BASE100-T ETHERNET CABLE (SEE NOTE 1), AND 2#14 CU INTERLOCK WIRE IN 4" PVC CONDUIT (INSTALL CONDUIT W/ MULE TAPE ONLY)	FUTURE DC POWER FEEDER, COMMUNICATIONS CABLE, INTERLOCK CABLE, AND POWER CABLE TO DISPENSERS



ELECTRICAL ONE-LINE DIAGRAM



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STATE OF KANSAS
PE CERTIFICATE OF AUTHORIZATION # E-571

ENGINEER:	PE#:	DISCIPLINE:
NRK NICHOLAS R. KUFELDT	22059	CIVIL
KMV KEVIN M. VANMAELE	22105	CIVIL
REJ ROBERT E. JENSEN	16096	CIVIL
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SDK SHELTON D. KEISLING	13654	ELECTRICAL
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APPLICANT SITE NAME:
HAYS

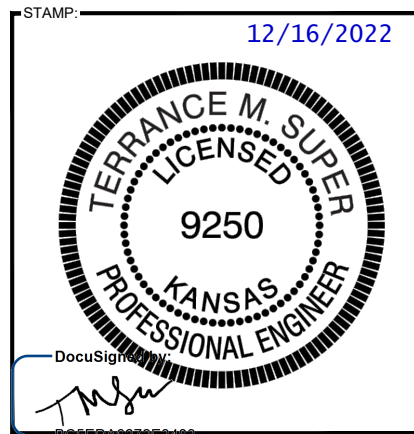
SSC SITE NUMBER:
KS-00004

SITE ADDRESS:
**383 MOPAR DR, SUITE EV
HAYS, KS 67601**

SHEET DESCRIPTION:	SHEET #:
ELECTRICAL ONE-LINE DIAGRAM	E-2.1

PANELBOARD NOTES:

1. PANELBOARD IS LOCATED WITHIN PROPOSED SERVICE EQUIPMENT AND IS PROVIDED AND INSTALLED BY MANUFACTURER.
2. PROVIDE EQUIPMENT WITH SUFFICIENT INTERRUPTING CAPACITY (AIC) REQUIRED FOR A SAFE INSTALLATION. AIC RATING NOTED ON EACH PANELBOARD SCHEDULE IS MINIMUM RATING ACCEPTED WITHOUT ADDITIONAL DOCUMENTATION THAT INDICATES OTHERWISE.
3. CIRCUITS SHALL BE REARRANGED AS REQUIRED TO MAINTAIN THE MOST BALANCED LOADS ON EACH PHASE WITHIN EACH PANEL. PROVIDE TYPED PANEL DIRECTORY MOUNTED PER MANUFACTURER'S RECOMMENDATIONS.



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ENGINEERING LICENSE: STATE OF KANSAS
PE CERTIFICATE OF AUTHORIZATION # E-571

ENGINEER:	PE#:	DISCIPLINE:
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REJ ROBERT E. JENSEN	18096	CIVIL
CG CHRISTOPHER GIANNOTTI	28673	CIVIL
SDK SHELTON D. KEISLING	13654	ELECTRICAL
TMS TERRANCE M. SUPER	9250	ELECTRICAL

PANEL "MDP"													
480Y/277V, 3Ø, 4W													
DESCRIPTION	PHASE A KW	PHASE B KW	PHASE C KW	CKT BKR/POLES	A	B	C	CKT BKR/POLES	PHASE A KW	PHASE B KW	PHASE C KW	DESCRIPTION	
RIVIAN POWER CABINET	124.15	124.15	124.15	600A/3P				600A/3P	124.15	124.15	124.15	FUTURE RIVIAN POWER CABINET	
RIVIAN POWER CABINET	124.15	124.15	124.15	600A/3P				600A/3P	124.15	124.15	124.15	FUTURE RIVIAN POWER CABINET	
RIVIAN POWER CABINET	124.15	124.15	124.15	600A/3P				15A/1P	.20	.20		SPARE	
SPACE								15A/1P				SPARE	
													SPACE
	372.45	372.45	372.45							248.50	248.50	248.30	
** CONNECTED													
KW	620.95	620.95	620.75										
AMPS	2242	2242	2241										
TOTAL KW	1862.65												
TOTAL AMPS	2242												

SPECIFICATIONS: SERVICE ENTRANCE RATED 2500A BUS, 65 KAIC, 100% RATED MCB, NEMA 3R ENCLOSURE

** THE SUM OF THE TOTAL CONNECTED LOADS (NONCONTINUOUS LOAD PLUS THE CONTINUOUS LOAD) TERMINATE IN AN OVERCURRENT DEVICE WHERE BOTH THE OVERCURRENT DEVICE AND ITS ASSEMBLY ARE LISTED FOR OPERATION AT 100% OF THEIR RATING.



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APPLICANT SITE NAME:
HAYS

SSC SITE NUMBER:
KS-00004

SITE ADDRESS:
383 MOPAR DR, SUITE EV
HAYS, KS 67601

SHEET DESCRIPTION:	SHEET #:
PANEL SCHEDULE	E-2.2

383 MOPAR DR,
SUITE EV
RIVIAN

- NOTES:**
1. PLACE LABEL IN A VISIBILE LOCATION: SWITCHBOARD (METER COMPARTMENT)
 2. RED BACKGROUND, WHITE LETTERING
 3. TEXT: MIN. 3/8" AND 1/8" HEIGHT. ALL CAPITAL LETTERS ARIAL OR SIMILAR FONT, NON BOLD
 4. MATERIAL NOTE: ENGRAVED ON OUTDOOR-RATED PLASTIC LAMINATE WITH ADHESIVE BACKING SUITABLE FOR THE ENVIRONMENT

METER LABEL

1

RIVIAN EV SYSTEM DISCONNECT

- NOTES:**
1. PLACE LABEL IN A VISIBILE LOCATION: SWITCHBOARD
 2. RED BACKGROUND, WHITE LETTERING
 3. TEXT: MIN. 3/8" AND 1/8" HEIGHT. ALL CAPITAL LETTERS ARIAL OR SIMILAR FONT, NON BOLD
 4. MATERIAL NOTE: ENGRAVED ON OUTDOOR-RATED PLASTIC LAMINATE WITH ADHESIVE BACKING SUITABLE FOR THE ENVIRONMENT
 5. APPLICABLE NEC SECTIONS: NEC 110.22

MAIN CIRCUIT BREAKER LABEL

2

EQUIPMENT ID
POWER SUPPLIED FROM SOURCE OF POWER

- NOTES:**
1. PLACE LABEL IN A VISIBILE LOCATION: POWER CABINETS, SWITCHBOARDS, PANELS, AND METERING ENCLOSURERS.
 2. BLACK BACKGROUND, WHITE LETTERING
 3. TEXT: MIN. 1/2" HEIGHT. ALL CAPITAL LETTERS ARIAL OR SIMILAR FONT, NON BOLD
 4. MATERIAL NOTE: ENGRAVED ON OUTDOOR-RATED PLASTIC LAMINATE WITH ADHESIVE BACKING SUITABLE FOR THE ENVIRONMENT
 5. APPLICABLE NEC SECTIONS: NEC 408.4(8)

EQUIPMENT IDENTIFICATION LABEL

3

DANGER!

ARC FLASH AND SHOCK HAZARD PRESNET
APPROPRIATE PPE REQUIRED

ARC FLASH BOUNDARY	[XX] ft	MIN. PPE REQUIREMENTS
INCIDENT ENERGY	[X.XX] cal/cm ²	[DESCRIPTION]
WORKING DISTANCE	[XX] in	[DESCRIPTION]
SHOCK HAZARD EXPOSURE	[XX]VAC	[DESCRIPTION]
INSULATING GLOVE CLASS	[XX]	[DESCRIPTION]
SHOCK HAZARD WHEN COVERS REMOVED LIMITED		[DESCRIPTION]
APPROACH BOUNDARY	[X.X]ft	
RESTRICTED APPROACH BOUNDARY	[XX]ft	
EQUIPMENT:	[EQUIPMENT ID]	

CHANGES IN EQUIPMENT SETTINGS OR SYSTEM CONFIGURATIONS WILL INVALIDATE THE CALCULATED VALUES AND PPE REQUIREMENTS WHICH MAY RESULT IN A HAZARDOUS CONDITION.

- NOTES:**
1. *TYPICAL LABEL SHOWN, ARC FLASH LABELS TO BE PROVIDED FOR ALL ELECTRICAL EQUIPMENT INCLUDING, SWITCHBOARD, PANELBOARDS, AND CHARGING CABINETS.
 2. 4"x4" LABEL MAY BE USED AN AN ALTERNATE
 3. "WARNING" HEADING FOR INCIDENT ENERGY < 40 CAL/CM²
"WARNING" HEADING FOR INCIDENT ENERGY > 40 CAL/CM²
 4. VALUES IN BRACKETS WILL BE UPDATED ACCORDING TO THE RESULTS OF THE ARC FLASH HAZARD ANALYSIS.
 5. PLACE LABEL ON EQUIPMENT DESIGNATED IN THE ARC FLASH HAZARD ANALYSIS
 6. LABELS SHALL BE PROVIDED IN PDF FORMAT TO CONTRACTOR
 7. MATERIAL: WEATHER AND UV RESISTANT VINYL WITH DURABLE ADHESIVE SUITABLE FOR THE ENVIROMENT.
 8. APPLICABLE NEC SECTIONS: NEC 110.16

ARC FLASH HAZARD LABEL

6

WARNING

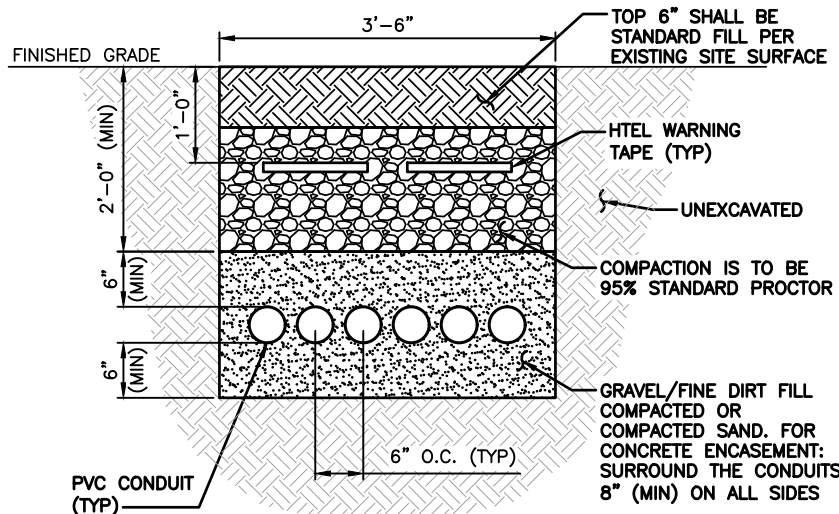
MAXIMUM AVAILABLE FAULT CURRENT:
XXXX AMPS
DATE: XX/XX/XX

- NOTES:**
1. PLACE LABEL IN A VISIBILE LOCATION: SWITCHBOARD
 2. RED BACKGROUND, WHITE LETTERING
 3. TEXT: MIN. 3/8" AND 1/8" HEIGHT. ALL CAPITAL LETTERS ARIAL OR SIMILAR FONT, NON BOLD
 4. MATERIAL NOTE: ENGRAVED ON OUTDOOR-RATED PLASTIC LAMINATE WITH ADHESIVE BACKING SUITABLE FOR THE ENVIRONMENT
 5. APPLICABLE NEC SECTIONS: NEC 110.9

MAXIMUM FAULT CURRENT LABEL

5

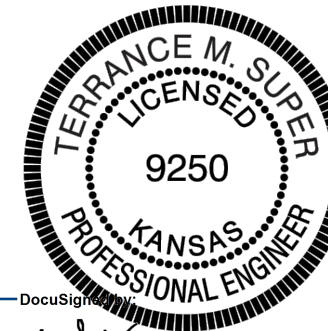
- NOTES:**
1. ALL CONDUITS TO BE SCHEDULE 40
 2. SEE PLAN FOR CONDUIT SIZES & QUANTITY



TYPICAL RIVIAN EQUIPMENT CONDUIT TRENCH DETAIL

4

STAMP: 12/16/2022



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PLANS PREPARED FOR:



PLANS PREPARED BY:



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383 MOPAR DR, SUITE EV
HAYS, KS 67601

SHEET DESCRIPTION:

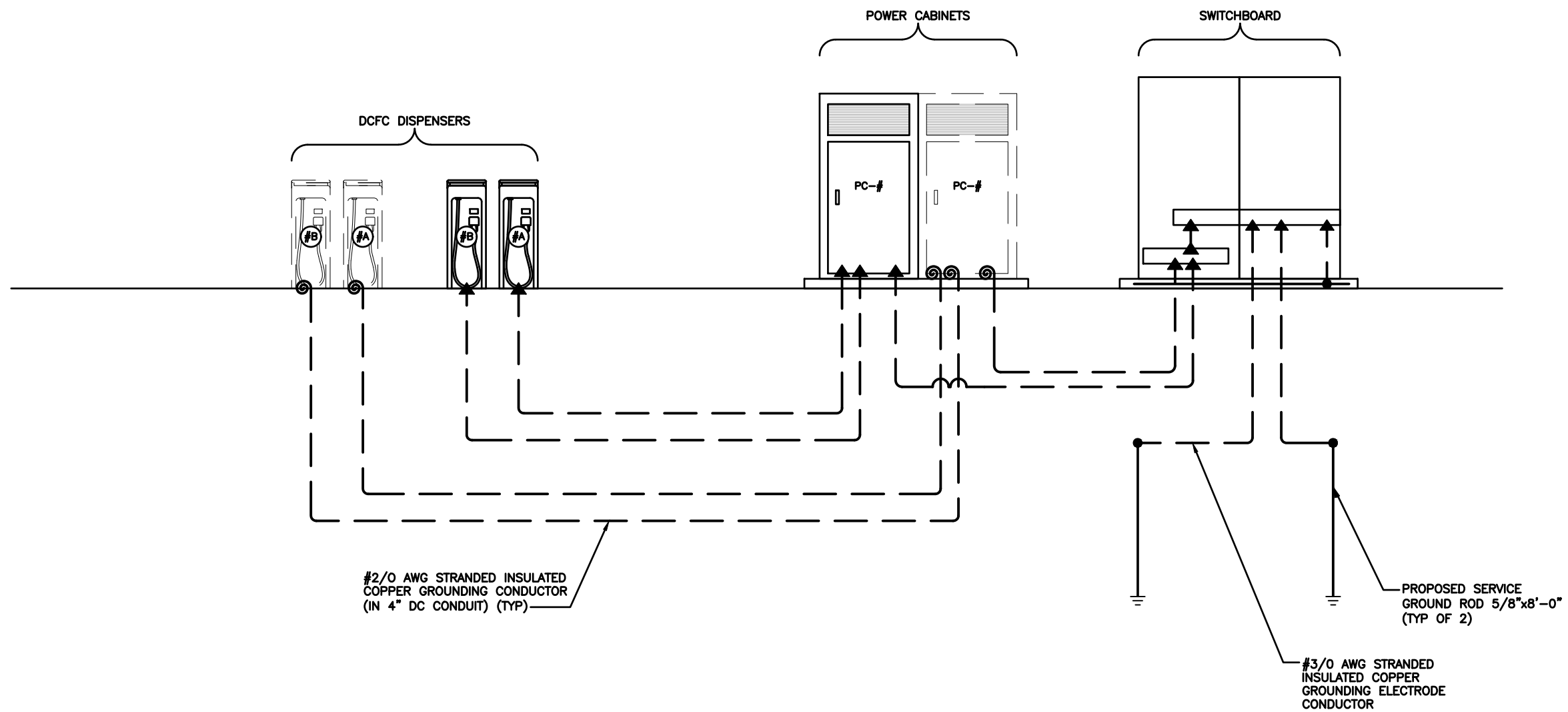
ELECTRICAL
DETAILS

SHEET #:

E-3.0

NOTE:
 SEE SHEET E-2.1 FOR WIRE QUANTITIES AND SIZES.
 CONTRACTOR TO REFERENCE GROUNDING DETAILS
 BY MIDWEST ENERGY, INC

LEGEND:
 ● EXOTHERMIC CONNECTION
 ▲ MECHANICAL CONNECTION
 ⊙ 2'-0" PIGTAIL



#2/0 AWG STRANDED INSULATED
 COPPER GROUNDING CONDUCTOR
 (IN 4" DC CONDUIT) (TYP)

#3/0 AWG STRANDED
 INSULATED COPPER
 GROUNDING ELECTRODE
 CONDUCTOR

PROPOSED SERVICE
 GROUND ROD 5/8"x8'-0"
 (TYP OF 2)

STAMP: 12/16/2022

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T. Super

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SUBMITTALS:

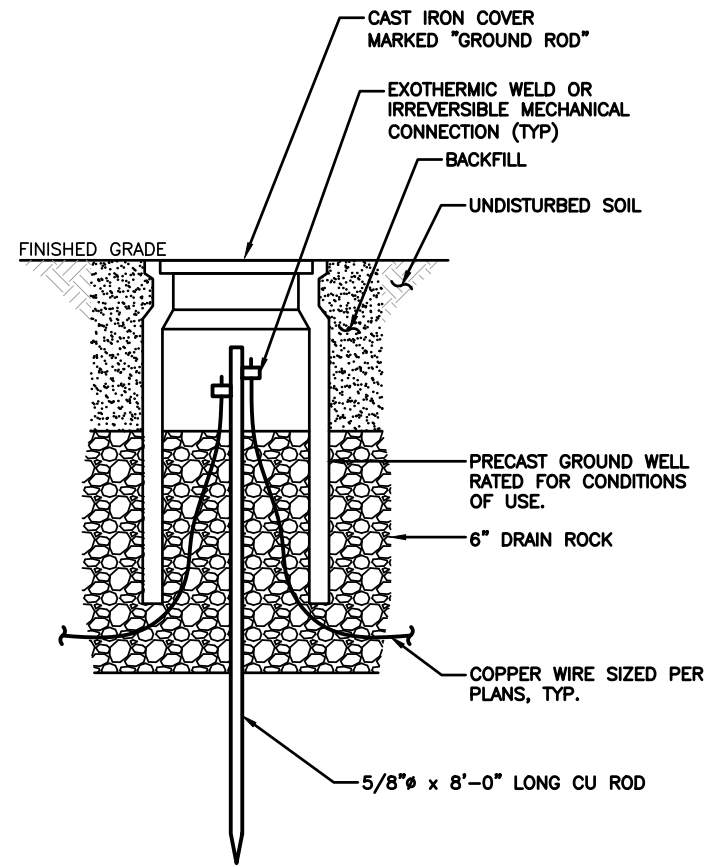
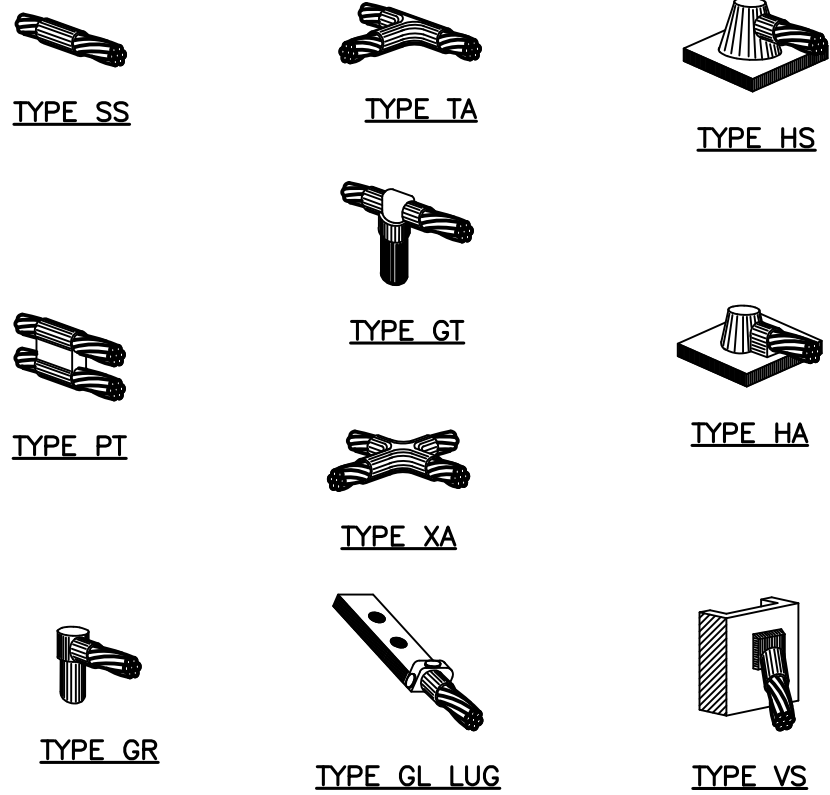
DESCRIPTION	DATE	BY	REV
ISSUED FOR REVIEW	03/15/22	CAM	A
UPDATE PER CLIENT COMMENTS	04/08/22	CAM	B
ISSUED FOR CONSTRUCTION	04/13/22	CAM	0
UPDATE PER COMMENTS	10/31/22	DWO	1
UPDATE PER COMMENTS	12/16/22	EDA	2

APPLICANT SITE NAME:
 HAYS

SSC SITE NUMBER:
 KS-00004

SITE ADDRESS:
 383 MOPAR DR, SUITE EV
 HAYS, KS 67601

SHEET DESCRIPTION: **GROUNDING RISER DIAGRAM**
 SHEET #: **G-1.0**



EXOTHERMIC CONNECTION DETAILS

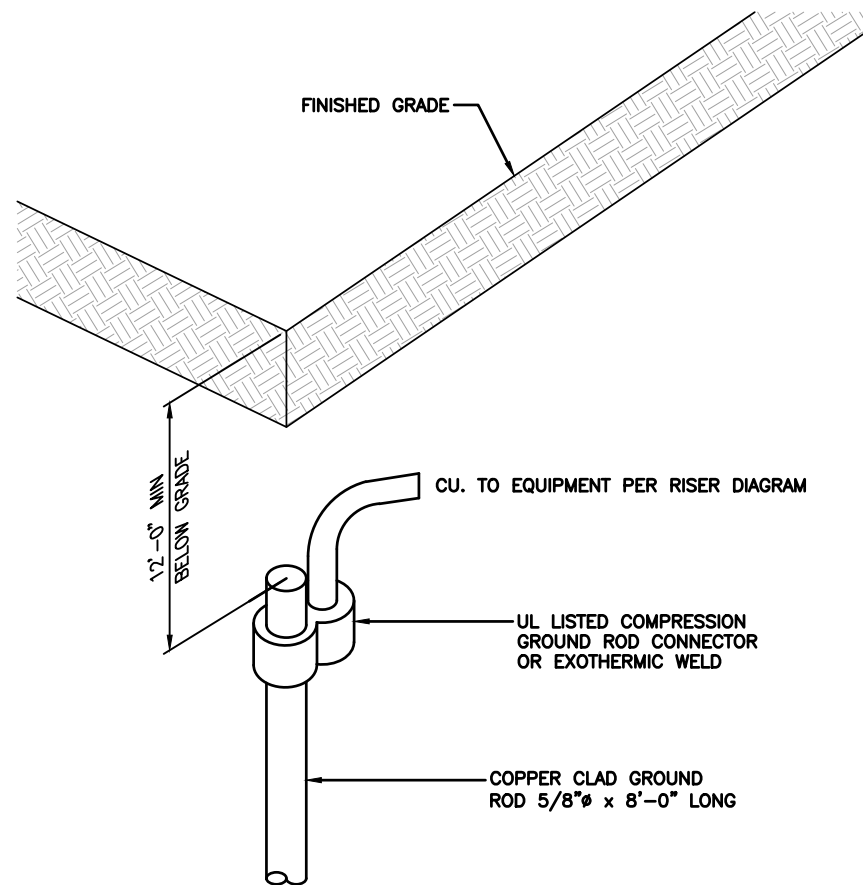
1

INSPECTION/TEST WELL DETAIL

2

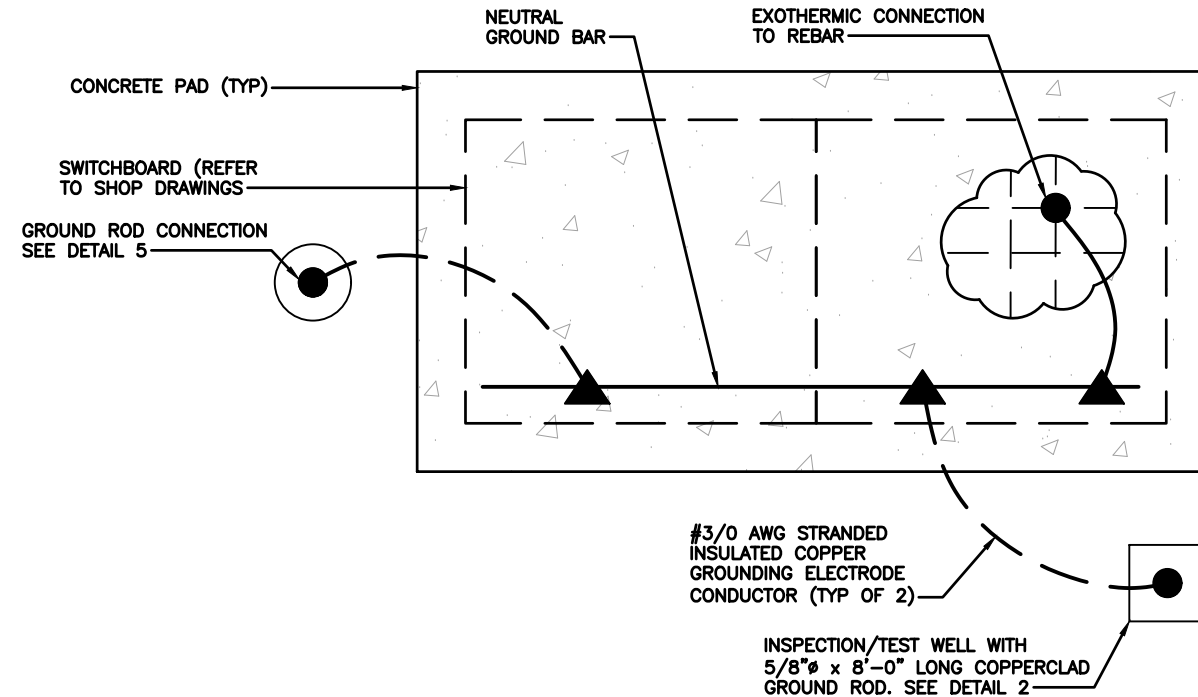
DETAIL NOT USED

3



GROUND ROD DETAIL

5



SWITCHBOARD FOUNDATION GROUNDING PLAN

4

LEGEND:

- EXOTHERMIC CONNECTION
- ▲ MECHANICAL CONNECTION

STAMP: 12/16/2022

ENGINEERING LICENSE: STATE OF KANSAS
 PE CERTIFICATE OF AUTHORIZATION # E-571

ENGINEER:	PE#:	DISCIPLINE:
NRK NICHOLAS R. KUFELDT	22059	CIVIL
KMV KEVIN M. VANMAELE	22105	CIVIL
REJ ROBERT E. JENSEN	16096	CIVIL
CC CHRISTOPHER GIANNOTTI	28673	CIVIL
SDK SHELTON D. KEISLING	13654	ELECTRICAL
TMS TERRANCE M. SUPER	9250	ELECTRICAL

PLANS PREPARED FOR:



PLANS PREPARED BY:



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383 MOPAR DR, SUITE EV
 HAYS, KS 67601

SHEET DESCRIPTION:

GROUNDING DETAILS

SHEET #:

G-2.0