

BASF ENVIRONMENTAL HEALTH & SAFETY IMPROVEMENTS (EHS)

NEW LINT BUNKER & ELECTRICAL UPGRADES / TRANSFORMER RELOCATION



We create chemistry

EHS IMPROVEMENTS

PRINTED: 15.12.2023 15:12:23 BIM:360/BASF_Segregase SEEDS_NEW LINT BUNKER & ELECTRICAL UPGRADES_Bim02/24/04



NO.	DATE:	DESCRIPTION:
3	01/22/2024	COC SUBMISSION
2	12/15/2023	COC SUBMISSION
1	09/15/2023	COC SUBMISSION

BASF EHS IMPROVEMENTS

890 POWER ROAD, BAPCHULE, AZ 85121

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AHJ STAMP

CITY PROJECT NUMBER:

DRAWING TITLE:
COVER SHEET

PROJECT NO:
2023.004

DRAWING NUMBER:
34762-01-W0-EHS-001



VICINITY MAP

SHEET INDEX	
	GENERAL
34762-01-W0-EHS-001	COVER SHEET
	SURVEY
SHEET 1	7.2 BOUNDARY / TOPO SURVEY COVER
SHEET 2	BOUNDARY AND TOPO
	ARCHITECTURE
34762-01-W0-EHS-002	OVERALL SITE PLAN
	CIVIL
34762-01-C2-DC1-100	EQUIPMENT PLFM FRAMING PLAN (FOR REFERENCE)
34762-01-C2-DC1-101	LINT BUNKER STEEL ELEVATIONS (FOR REFERENCE)
34762-01-C2-DC1-102	LINT BUNKER STEEL ELEVATIONS (FOR REFERENCE)
34762-01-C4-DC1-100	LINT BUNKER FOUNDATION PLAN (FOR REFERENCE)
	7.4 REQUIRED ENGINEERING PLAN (COC)
1 OF 1	GD01

CIVIL ENGINEER:
R.B. WILLIAMS & ASSOCIATES
1921 S. ALMA SCHOOL RD. SUITE 101
MESA, AZ 85210
P: (480) 424-2352
E: HUNTER@RBWILLIAMS.COM
ATTN: HUNTER WILLIAMS

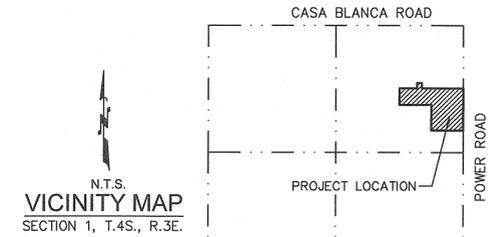
ARCHITECT:
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345 N. BEVERLY
MESA, AZ 85201
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ATTN: BRIAN SANDSTROM

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ATTN: RICK ILARI

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SMITH & ANNALA ENGINEERING CO.
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TEMPE, AZ 85283
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GENERAL CONTRACTOR
REVOLUTION INDUSTRIAL
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E: JARROD@REVOLUTIONINDUSTRIAL.COM
ATTN: JARROD GOODMAN

RECORD OF SURVEY
POWER ROAD & CASA BLANCA ROAD
 A PORTION OF THE NORTHEAST QUARTER OF SECTION 1,
 TOWNSHIP 4 SOUTH, RANGE 3 EAST
 OF THE GILA AND SALT RIVER MERIDIAN,
 GILA RIVER INDIAN COMMUNITY "GRIC", DISTRICT 6
 BAPCHULE, ARIZONA



GILA RIVER INDIAN COMMUNITY
 SECTION: 1
 TOWNSHIP: 4 SOUTH
 RANGE: 3 EAST

RECORD OF SURVEY
 POWER ROAD & CASA BLANCA ROAD
 BAPCHULE, ARIZONA

JANUARY 2024

REVISIONS:



PM. J. SPRING
 DR. R. GILES
 JOB NO.
 23005793

N.T.S.

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SHEET NO.

1 OF 2

OWNER

GILA RIVER INDIAN COMMUNITY "GRIC"
 186 SOUTH SKILL CENTER ROAD
 SACATON, AZ 85147
 PHONE: 520-562-3343

GENERAL NOTES

- THIS SURVEY REFLECTS ABOVE GROUND INDICATIONS OF UTILITIES. THE SURVEYOR MAKES NO GUARANTEE THAT ALL OF THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE LOCATION INDICATED, ALTHOUGH HE DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM THE INFORMATION PROVIDED. THE SURVEYOR HAS NOT PHYSICALLY LOCATED UNDERGROUND UTILITIES.
- DECLARATION IS MADE TO THE ORIGINAL PURCHASER OF SURVEY, AND TO THOSE PARTIES LISTED IN THE SURVEYOR'S CERTIFICATION.
- THIS SURVEY IS VALID ONLY WHEN BEARING THE SEAL AND SIGNATURE OF SURVEYOR.
- THIS SURVEY IS BASED ON FIELD WORK PERFORMED BY ATWELL DURING THE MONTH OF OCTOBER, 2023. SITE CONDITIONS THAT MAY HAVE CHANGED SUBSEQUENT TO FIELD WORK WILL NOT BE REFLECTED HEREON.
- BEARINGS, DISTANCES AND CURVATURE DATA SHOWN HEREON ARE MEASURED VALUES UNLESS SPECIFIED OTHERWISE.
- NO RECORD OF EASEMENTS FOUND OR PROVIDED.

BASIS OF BEARING

BASIS OF BEARING IS ALONG THE ORIGINAL VECTOR LINE OF THE GILA RIVER INDIAN COMMUNITY "GRIC" GPS NETWORK GR-18-97 ESTABLISHED AND PRODUCED BY THE COMMUNITY. REFERENCE POINTS "30" & "31" SEE SHEET 2 BEING N86°05'31"E WITH A DISTANCE OF 20795.82 FEET. (MEASURED) 20795.75 FEET (GRIC GPS CONTROL)

BENCHMARK

BENCHMARK = GPS NETWORK REFERENCE POINT 30
 ELEVATION = 1145.78' (NAVD 88)

SURVEYOR'S CERTIFICATE:

I, TIMOTHY POOLE, CFED NO.1529, HEREBY CERTIFY THAT I AM A PROFESSIONAL LAND SURVEYOR IN THE STATE OF ARIZONA; THAT THIS PLAT CONSISTING OF TWO SHEETS REPRESENTS A SURVEY PREPARED UNDER MY SUPERVISION DURING THE MONTH OF JANUARY 2024; THAT THE SURVEY IS CORRECT AND ACCURATE TO THE BEST OF MY KNOWLEDGE AND BELIEF; THAT THE EXTERIOR BOUNDARY MONUMENTS ACTUALLY EXIST AS SHOWN AND ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED.

TIMOTHY POOLE, CFED NO.1529, RLS NO. 28227
 ATWELL, LLC
 4700 E. SOUTHERN AVE
 MESA, AZ 85206



SITE INFORMATION

AREA OF THIS SUBJECT PROPERTY IS:
 817,240 SQUARE FEET OR 18.76 ACRES±

PARKING

PARKING STALLS: 25
 DISABLED PARKING STALLS: 1
 TOTAL PARKING STALLS: 26

FLOOD PLAIN

FLOOD ZONE D PER FEMA FIRM MAP NO. 04021C0755F
 REVISED 6/16/2014. ZONE D DESIGNATION MEANING
 THE FLOOD RISK HAS NOT BEEN QUANTIFIED.

REFERENCE DOCUMENTS

- * RESULTS OF SURVEY BY ATWELL GROUP, PROJECT NO. 15001542, DATED 10/26/2015.
- * GRIC - SURVEY CONTROL NETWORK RESOLUTION GR-18-97

ZONING

A-1 AGRICULTURAL DISTRICT

SETBACKS

FRONT YARD - 50 FEET
 INTERIOR SIDE YARD - 30 FEET
 CORNER SIDE YARD - 50 FEET
 REAR YARD - 40 FEET
 MAX BUILDING HEIGHT - 25 FEET ABOVE GRADE

SHEET INDEX

SHEET 1 - COVER
 SHEET 2 - BOUNDARY AND TOPO

LEGAL DESCRIPTION PER DEED

ALL THAT PORTION OF THE NORTHEAST QUARTER OF SECTION 1, TOWNSHIP 4 SOUTH, RANGE 3 EAST OF THE GILA AND SALT RIVER MERIDIAN, PINAL COUNTY, ARIZONA IN DISTRICT 6, GILA RIVER INDIAN COMMUNITY, MORE PARTICULARLY DESCRIBED AS FOLLOWS;

COMMENCING AT A BRASS CAP IN HANDHOLE STAMPED US DEPT. OF INTERIOR, MARKING THE NORTHEAST CORNER OF SAID SECTION 1, LYING APPROXIMATELY 25.00 FEET WEST OF THE INTERSECTION OF CASA BLANCA ROAD AND POWER ROAD FOR WHICH AN IRON PIPE MARKING THE EAST 1/16 OF SECTION 1 BEARS SOUTH 89°57'01" WEST, 1320.74 FEET;

THENCE SOUTH 00°00'18" WEST, 1304.84 FEET TO THE POINT OF BEGINNING;

THENCE CONTINUING SOUTH 00°00'18" WEST, 15.00 FEET TO THE NORTHEAST CORNER OF THE SOUTHEAST QUARTER OF SAID NORTHEAST QUARTER;

THENCE SOUTH 00°05'48" WEST, 859.51 FEET, ALONG THE EAST LINE OF SAID SECTION 1;

THENCE SOUTH 89°57'36" WEST, 660.86 FEET;

THENCE NORTH 00°05'05" EAST, 529.92 FEET;

THENCE SOUTH 89°58'26" WEST, 660.97 FEET TO A POINT ON THE WEST LINE OF THE SOUTHEAST QUARTER OF SAID NORTHEAST QUARTER;

THENCE NORTH 00°04'23" EAST, 330.08 FEET ALONG SAID WEST LINE TO THE NORTHWEST CORNER OF SAID SOUTHEAST QUARTER;

THENCE NORTH 00°03'47" EAST, 15.00' ALONG THE WEST LINE OF THE NORTHEAST QUARTER OF SAID NORTHEAST QUARTER;

THENCE NORTH 89°59'16" EAST, 364.28 FEET;

THENCE NORTH 00°00'44" WEST, 110.00 FEET;

THENCE NORTH 89°59'16" EAST, 100.00 FEET;

THENCE SOUTH 00°00'44" EAST, 110.00 FEET;

THENCE NORTH 89°59'16" EAST, 857.78 FEET TO THE POINT OF BEGINNING.
 CONTAINING 18.759 ACRES MORE OR LESS

AS-SURVEYED LEGAL DESCRIPTION PER GRIC CONTROL

LOCATED WITHIN A PORTION OF THE NORTHEAST QUARTER OF SECTION 1, TOWNSHIP 4 SOUTH, RANGE 3 EAST OF THE GILA AND SALT RIVER MERIDIAN, PINAL COUNTY, ARIZONA IN DISTRICT 6, GILA RIVER INDIAN COMMUNITY, MORE PARTICULARLY DESCRIBED AS FOLLOWS;

COMMENCING AT THE DESIGNATED GILA RIVER INDIAN COMMUNITY "GRIC" GPS CONTROL NETWORK CONTROL POINT NO. 30 BEING A FOUND BRASS CAP IN CONCRETE STAMPED CONTROL POINT NO. 30, FROM WHICH A FOUND "GRIC" BRASS CAP IN CONCRETE DESIGNATED AS CONTROL POINT NO. 31, THEREOF BEARS N86°05'31"E A DISTANCE OF 20795.82 FEET;

THENCE FROM "GRIC" GPS CONTROL PT NO. 30, S75°59'50"E, 4850.68 FEET TO THE NORTHEAST CORNER OF SECTION 1, T.4S., R.3E., BEING A FOUND BRASS CAP IN HANDHOLE STAMPED DEPT OF THE INTERIOR LS NO.42265;

THENCE, ALONG THE EAST LINE OF SAID SECTION 1, S00°00'30"W A DISTANCE OF 1319.90' FEET POINT OF BEGINNING;

THENCE, ALONG THE EAST LINE OF SAID SECTION 1, S00°00'30"W A DISTANCE OF 15.03 FEET TO THE EAST 1/16 OF THE NORTHEAST QUARTER;

THENCE, ALONG SAID EAST LINE OF SAID SECTION 1, S00°05'48"W A DISTANCE OF 859.49 FEET;

THENCE, LEAVING THE EAST LINE OF SAID SECTION 1, S89°58'47"W A DISTANCE OF 661.14 FEET;

THENCE, N00°06'16"E A DISTANCE OF 529.92 FEET;

THENCE, S89°59'37"W A DISTANCE OF 660.81 FEET TO A POINT ON THE SOUTH-NORTH 1/16 ALLOTMENT;

THENCE, ALONG SAID SOUTH-NORTH ALLOTMENT LINE, N00°04'29"E A DISTANCE OF 329.77 FEET TO THE WEST 1/16 OF THE NORTHEAST QUARTER;

THENCE, ALONG SAID SOUTH-NORTH ALLOTMENT LINE, N00°03'48"E A DISTANCE OF 15.31 FEET;

THENCE, LEAVING SAID SOUTH-NORTH ALLOTMENT LINE, S89°59'33"E A DISTANCE OF 364.22 FEET;

THENCE, N00°00'27"E A DISTANCE OF 110.00 FEET;

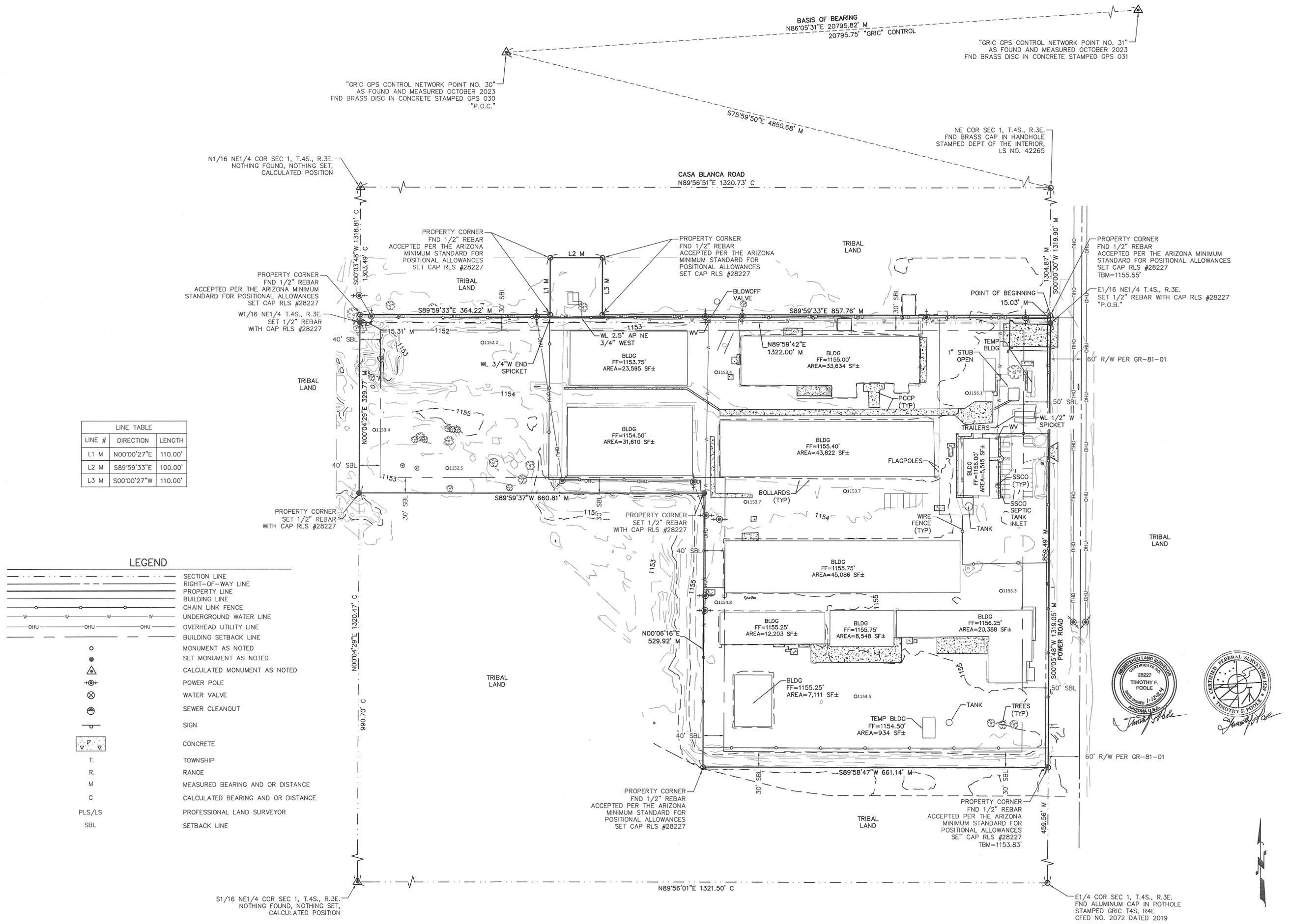
THENCE, S89°59'33"E A DISTANCE OF 100.00 FEET;

THENCE, S00°00'27"W A DISTANCE OF 110.00 FEET;

THENCE, S89°59'33"E A DISTANCE OF 857.78 FEET TO A POINT ON SAID EAST LINE OF SAID SECTION 1 ALSO BEING THE POINT OF BEGINNING.

K:\23005793 - BAYERS -RGS-CFEDS\DWG\SURVEY\23005793 BAYERS CONTROL SURVEY-FINAL.DWG SAVEDATE: 1/11/2024 3:56 PM PLOTDATE: 1/12/2024 7:58 AM COPYRIGHT © 2023 ATWELL, LLC NO REPRODUCTION SHALL BE MADE WITHOUT THE PRIOR WRITTEN CONSENT OF ATWELL, LLC

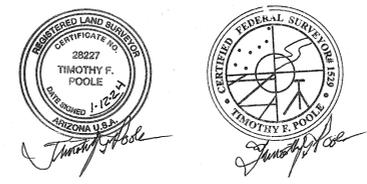
K:\23005793 - BAYERS -RDS-CFEDS\DWG\SURVEY\FINAL\DWG CONTROL SURVEY-FINAL.DWG SAVED DATE: 1/12/2024 8:30 AM PLOT DATE: 1/12/2024 8:30 AM
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LINE TABLE		
LINE #	DIRECTION	LENGTH
L1 M	N00°00'27"E	110.00'
L2 M	S89°59'33"E	100.00'
L3 M	S00°00'27"W	110.00'

LEGEND

	SECTION LINE
	RIGHT-OF-WAY LINE
	PROPERTY LINE
	BUILDING LINE
	CHAIN LINK FENCE
	UNDERGROUND WATER LINE
	OVERHEAD UTILITY LINE
	BUILDING SETBACK LINE
	MONUMENT AS NOTED
	SET MONUMENT AS NOTED
	POWER POLE
	WATER VALVE
	SEWER CLEANOUT
	SIGN
	CONCRETE
	TOWNSHIP RANGE
	MEASURED BEARING AND OR DISTANCE
	CALCULATED BEARING AND OR DISTANCE
	PROFESSIONAL LAND SURVEYOR
	SETBACK LINE



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GILA RIVER INDIAN COMMUNITY
 SECTION: 1
 TOWNSHIP: 4 SOUTH
 RANGE: 3 EAST

RECORD OF SURVEY
POWER ROAD & CASA BLANCA ROAD
 BAPCHULE, ARIZONA

JANUARY 2024

REVISIONS:

ATWELL
 PM. J. SPRING
 DR. R. GILES
 JOB NO.
 23005793

SCALE 0 40 80
 1" = 80 FEET

23005793 BAYERS CONTROL SURVEY-FINAL
 SHEET NO. **2 OF 2**

LUPZ TRACKING NO.23-35003 AND SURVEY NO. 23-0202



VICINITY MAP

NOTE:
ALL IMPROVEMENTS THAT ARE IDENTIFIED AS "NEW" ARE INCLUDED AS PART OF THE PROPOSED IMPROVEMENTS. ALL OTHER BUILDINGS, INSTALLED PARKING, UTILITIES, PAVED AREAS, AND BUILT INFRASTRUCTURE IS EXISTING.

PERMANENT PARKING COUNTS :

NO. OF ACCESSIBLE PARKINGS : 01
NO. OF STANDARD PARKINGS : 25
TOTAL : 26

TEMPORARY / UNPAVED PARKING :

NO. OF STANDARD PARKINGS : 57

BASF EHS IMPROVEMENTS DATA

NOTE:
PARKING PROVIDED IS SHOWN FROM PARKING DEMAND AND AVAILABLE AREA DEMONSTRATED ON SITE. STRIPING IS NOT ALWAYS PAINTED ON SURFACE AS SOME PARKING FIELDS ARE COMPOSED OF STABILIZED / COMPACTED GRANITE.

THIS AREA SERVICES MATERIAL DELIVERY AND DROP OFF AND PROVIDES PARKING THROUGHOUT THE SITE IN UNDEFINED PARKING AREAS WITHIN VEHICLE CIRCULATION AREAS. PARKING COUNTS/ AVAILABLE PARKING IS ACTUALLY MAY BE HIGHER THAN REPRESENTED WITHIN COUNTS.

LEGEND - SITE PLAN

	NEW SCOPE OF WORK AREA
	EXISTING BUILDING AREAS - NOT INCLUDED IN SCOPE
	ASPHALT DRIVE / PAVING
	CONCRETE
	COMPACTED GRAVEL / STABILIZED SURFACE
	SITE CIRCULATION / FLOW (INGRESS)
	SITE CIRCULATION / FLOW (EGRESS)
	EXISTING FENCE BOUNDARY
	TURNING RADIUS

TOTAL NUMBER OF PARKING SPACES PROVIDED IN PARKING FACILITY	MINIMUM NUMBER OF REQUIRED ACCESSIBLE PARKING SPACES	NUMBER OF ACCESSIBLE PARKING PROVIDED
1 TO 25	1	1
26 TO 50	2	
51 TO 75	3	
76 TO 100	4	
101 TO 150	5	
151 TO 200	6	
201 TO 300	7	
301 TO 400	8	
401 TO 500	9	
501 TO 1000	2 PERCENT OF TOTAL	
1001 AND OVER	20, PLUS 1 FOR EACH 100, OR FRACTION THEREOF, OVER 1000	

KEYED NOTES - WHERE SHOWN IN PLANS

KEY VALUE	DESCRIPTION
1	RESTRIPE PARKING TO PROVIDE ACCESSIBLE PARKING SPACE.
2	PROVIDE KNOX BOX FOR EMERGENCY VEHICLE ACCESS. MOUNT BETWEEN 48" AND 60" A.F.G. BASIS OF DESIGN, KNOX 4400, SURFACE MOUNT, SILVER FINISH.
3	EXISTING VEHICLE & SITE INGRESS / EGRESS FOR SITE OPERATIONS.

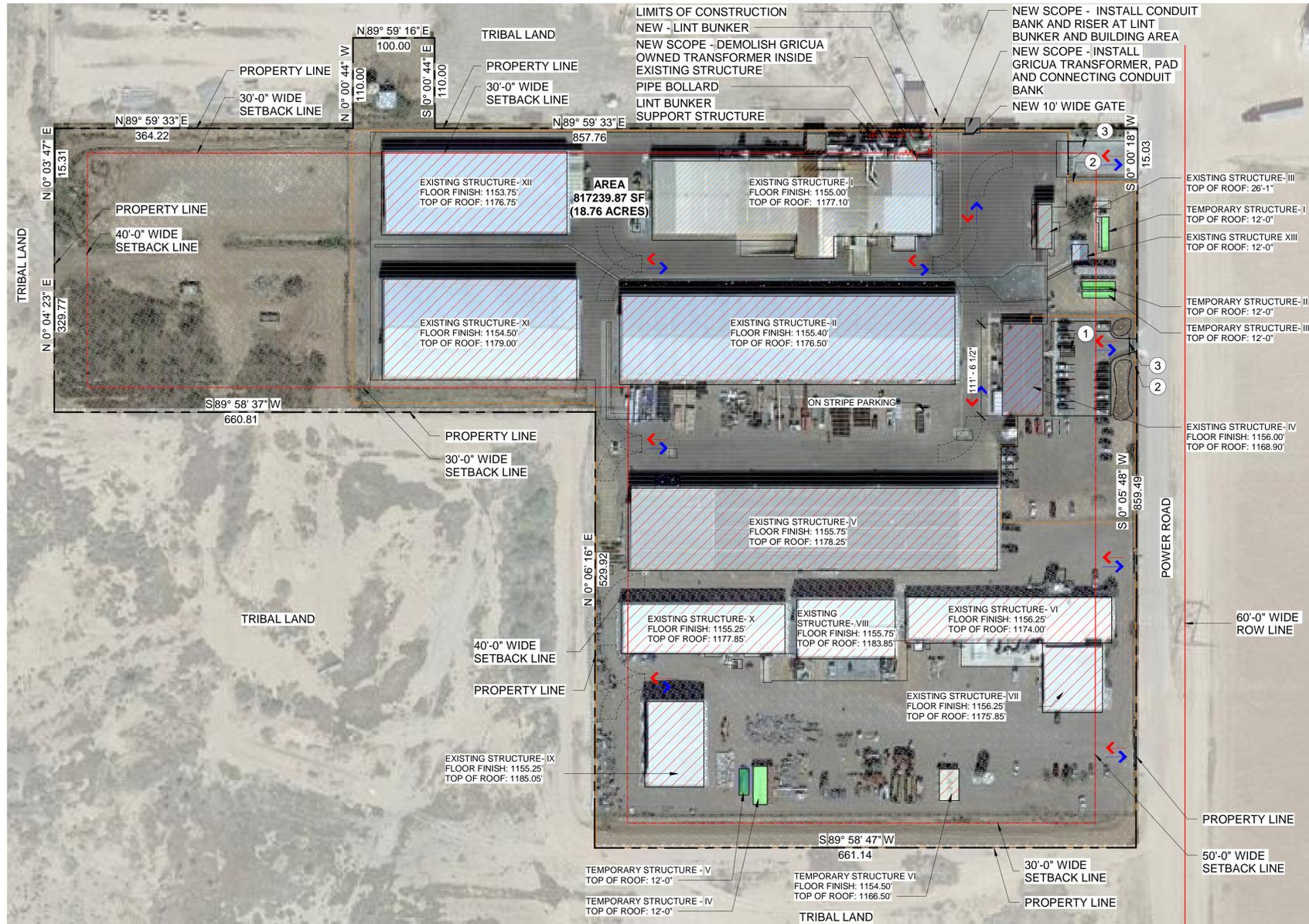
GRI DEVELOPMENT STANDARDS (I-1 LIMITED INDUSTRIAL)

BUILDING SETBACKS	REQUIRED	PROVIDED
FRONT YARD	50'	50'
REAR YARD	40'	40'
SIDE YARD	30'	30'
SIDE YARD (INTERIOR)	30'	30'
	MAXIMUM ALLOWED	MAXIMUM PROVIDED
BUILDING HEIGHT	30'	28'-10"

BUILDINGS ARE EXISTING. NO NEW BUILDINGS WITH CORRESPONDING SETBACK AND BUILDING HEIGHT INFO DESCRIBED HEREIN.

INDUSTRIAL WORK AREAS (EXISTING)

BUILDING NAME	AREA
EXIST. STRUCTURE - I, COMMERCIAL PRODUCTION FACILITY (DELINT, TREAT, BAG & STORE FINISHED SEED)	33,634 SF
EXIST. STRUCTURE - II, FUZZY SEED STORAGE	43,822 SF
EXIST. STRUCTURE - III, FUZZY SEED SAMPLING PLATFORM	1,516 SF
EXIST. STRUCTURE - IV, COMMERCIAL PRODUCTION OFFICE BLDG.	5,515 SF
EXIST. STRUCTURE - V, FUZZY SEED STORAGE	45,086 SF
EXIST. STRUCTURE - VI & VII, PARENT SEED PLANT OFFICE / WAREHOUSE / SHIPPING / LAB	20,388 SF
EXIST. STRUCTURE - VIII, PARENT SEED PLANT PRODUCTION FACILITY	8,548 SF
EXIST. STRUCTURE - IX, PARENT SEED PLANT FUZZY SEED STORAGE AWNING	7,111 SF
EXIST. STRUCTURE - X, PARENT SEED PLANT GIN AND FUZZY SEED STORAGE	12,203 SF
EXIST. STRUCTURE - XI, FUZZY SEED STORAGE	31,610 SF
EXIST. STRUCTURE - XII, CHEMICAL AND FUZZY SEED STORAGE	23,595 SF
EXIST. STRUCTURE - XIII, OUTDOOR REST AREA	480 SF
TEMPORARY STRUCTURE - I, QA FINISHED SEED TESTING	365 SF
TEMPORARY STRUCTURE - II, DOCUMENT STORAGE	416 SF
TEMPORARY STRUCTURE - III, DOCUMENT STORAGE	324 SF
TEMPORARY STRUCTURE - IV, PARTS STORAGE	791 SF
TEMPORARY STRUCTURE - V, PARTS STORAGE	384 SF
TEMPORARY STRUCTURE - VI, PROVIDE INPUT	934 SF
TOTAL AREA UNDERNEATH ROOF	236,720 SF



1 COMPREHENSIVE SITE PLAN

SCALE: 1" = 80'-0"



NO: DATE: DESCRIPTION:

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AHJ STAMP

CITY PROJECT NUMBER:

DRAWING TITLE:

OVERALL SITE PLAN

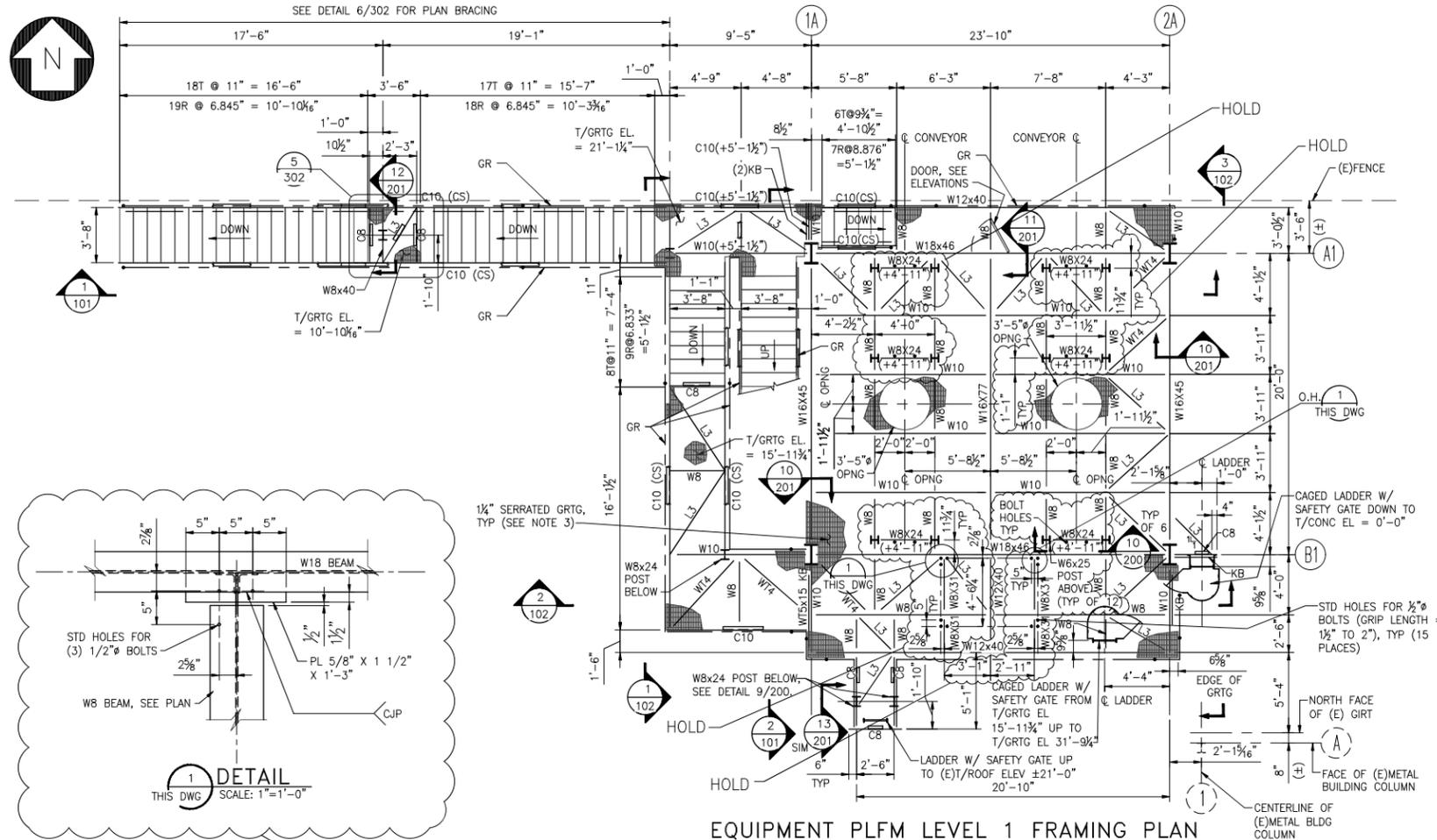
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2023.004

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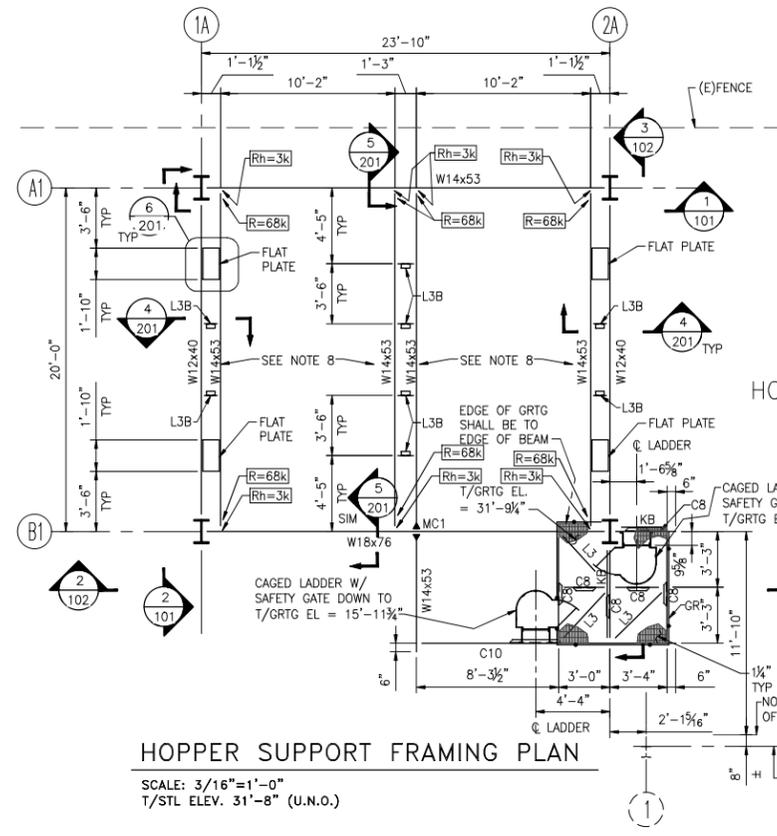
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EQUIPMENT PLFM LEVEL 1 FRAMING PLAN

SCALE: 3/16"=1'-0"
T/STL ELEV. 15'-10 1/2" (U.N.O.)
SEE LEGEND FOR STEEL SIZES.
1/4" GRATING, SEE NOTE 3.



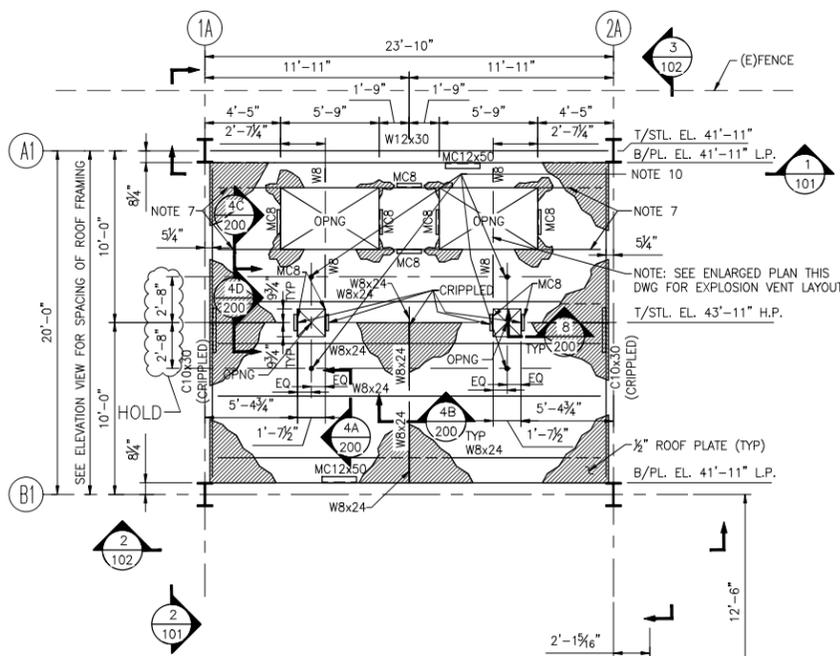
HOPPER SUPPORT FRAMING PLAN

SCALE: 3/16"=1'-0"
T/STL ELEV. 31'-8" (U.N.O.)

- NOTES:
- FOR GENERAL NOTES & TYPICAL DETAILS, SEE DRAWINGS 34762-01-C2-DC1-300 THRU 304.
 - PREFIX "34762-01-C2-DC1-..." APPLIES TO ALL DRAWING REFERENCES.
 - GRATING SHALL BE PER REFERENCED SPECIFICATIONS ON DRAWING 34762-01-C2-DC1-300, AND TYPICAL OUTSIDE EDGE OF GRATING SHALL BE 1/2" CLEAR OF RAILING AND TOE PLATE. PROVIDE BANDING AT PERIMETER AND AT INTERNAL OPENINGS (1/4"x5") AS PER REFERENCED SPECIFICATIONS.
 - CRIPPLE FRAMING SHALL BE SPLICED AT CRIPPLE WITH CJP WELDS AT FLANGES AND WEB.
 - EXPLOSION VENT TO BE FIKE CVS-44X69-316L VENT SIZE WITH D4909-32-1 EXPLOSION VENT GASKET, SIZE 44x69 & A4600-184-3 EXPLOSION VENT FRAME SIZE 44x69. FABRICATOR TO INSTALL FRAME PER DETAIL 7/200. CONTRACTOR TO INSTALL EXPLOSION VENT PER MANUFACTURER'S WRITTEN INSTRUCTIONS.
 - GUARDRAIL DESIGNATED WITH RGR SHALL BE REMOVABLE. SEE DETAIL 4/303.
 - DESIGN END CONNECTION AS EXTENDED SHEAR TAB WITH MCB BEAM END CLEAR OF SUPPORTING C10 (R=19k).
 - PROVIDE STD HOLES FOR 3/4" DIA. BOLTS IN TOP FLANGE FOR FILTER RECEIVER EQUIPMENT BASE CONNECTION.
 - SAFETY GATE SHALL BE SELF-CLOSING DOUBLE BAR SAFETY GATE, IN ACCORDANCE WITH OSHA.
 - CENTERLINE OF PIPE FLANGE TO RECEIVE RADAR INSTRUMENTATION CONNECTION, SEE DET 11/200.
 - DETAIL GUSSET FOR HORIZ. BRACE TO HAVE SUFFICIENT CLEARANCE FOR 8 1/2" Ø PROJECTED CYLINDER LOCATED AS SHOWN.

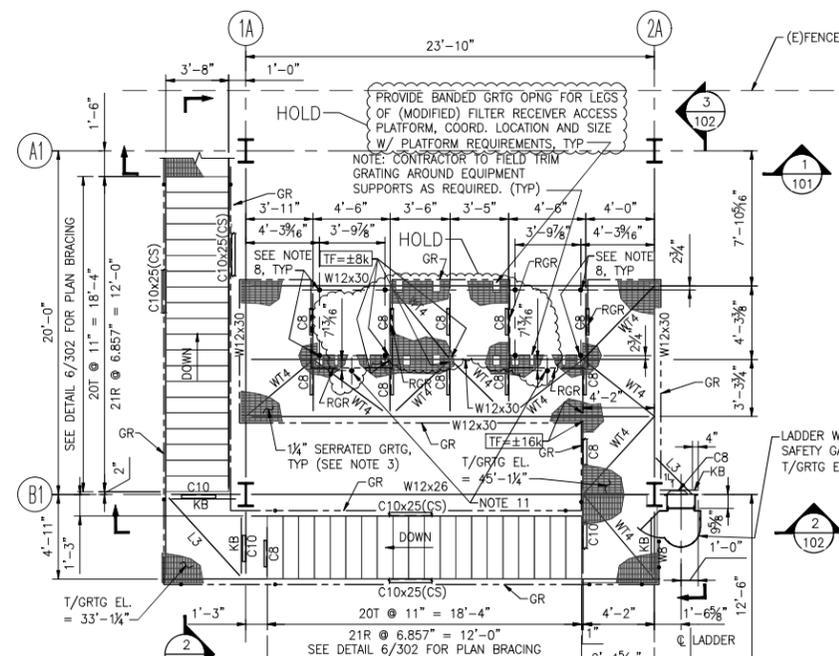
LEGEND (THIS SHEET ONLY)

- MC1 = MOMENT CONNECTION, TO BE DESIGNED FOR MAJOR AXIS MOMENT DEMAND = 4.6 FT*K, Rh=3k, R=68k. WHERE HORIZONTAL REACTION SHALL BE TRANSFERRED THROUGH TOP FLANGE CONNECTION.
- W8 = W8x13
- W10 = W10x22
- L3 = L3x3x3/4 (-3"), 2-3/4" Ø BOLTS EA END, SEE DETAILS 1 AND 2 ON DRAWING 102. [A]=±10k
- C8 = C8x11.5
- C10 = C10x15.3
- MC8 = MC8x18.7
- RGR, GR = SEE ABBREVIATIONS ON DWG C2-DC1-300
- KB = WT4x9 (UNO) KNEE BRACE AT 1:1 SLOPE BELOW DEPICTED BEAM. [A]=±25k
- (CS) = CRIPPLED STRINGER
- L3B = L3x3x3/4 (TOS EL = B/TOP FL OF CONNECTED BEAM). CONNECT EACH END WITH (1)3/4" Ø BOLT (STND HOLE)(CONTRACTOR MAY SUBSTITUTE 3/8" FILLET WELD (SHOP) ALL AROUND WITH 2" OVERLAP WITH FLANGE OF BOLT)
- WT4 = WT4x9 (-3") [A]=±25k
- TF, A, R, Rh = SEE SECTION 3.2, NOTE 12 ON DWG C2-DC1-300



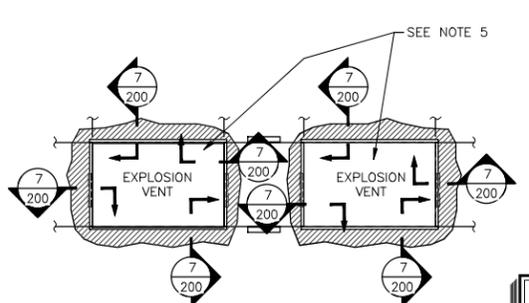
EQUIPMENT ROOF FRAMING PLAN

SCALE: 3/16"=1'-0"
T/STL ELEV. 43'-11" H.P.
PROVIDE FLASHING OVER AND FLEXIBLE SEALANT IN ALL GAPS AND PENETRATIONS (E.G., BOLTS) THROUGH ROOF ENCLOSURE PLATES.



EQUIPMENT PLATFORM LEVEL 2 FRAMING PLAN

SCALE: 3/16"=1'-0"
T/STL ELEV. 45'-0" (U.N.O.)



ENLARGED PLAN EXPLOSION VENT LAYOUT

SCALE: 1/4"=1'-0"

ISSUED FOR CONSTRUCTION

hargrove
engineers+constructors
Hargrove and Associates, Inc.
100 Executive Center Drive
Suite 100 Greenville, SC 29615
Phone: 864-990-5464
Job Number: 0166.212130

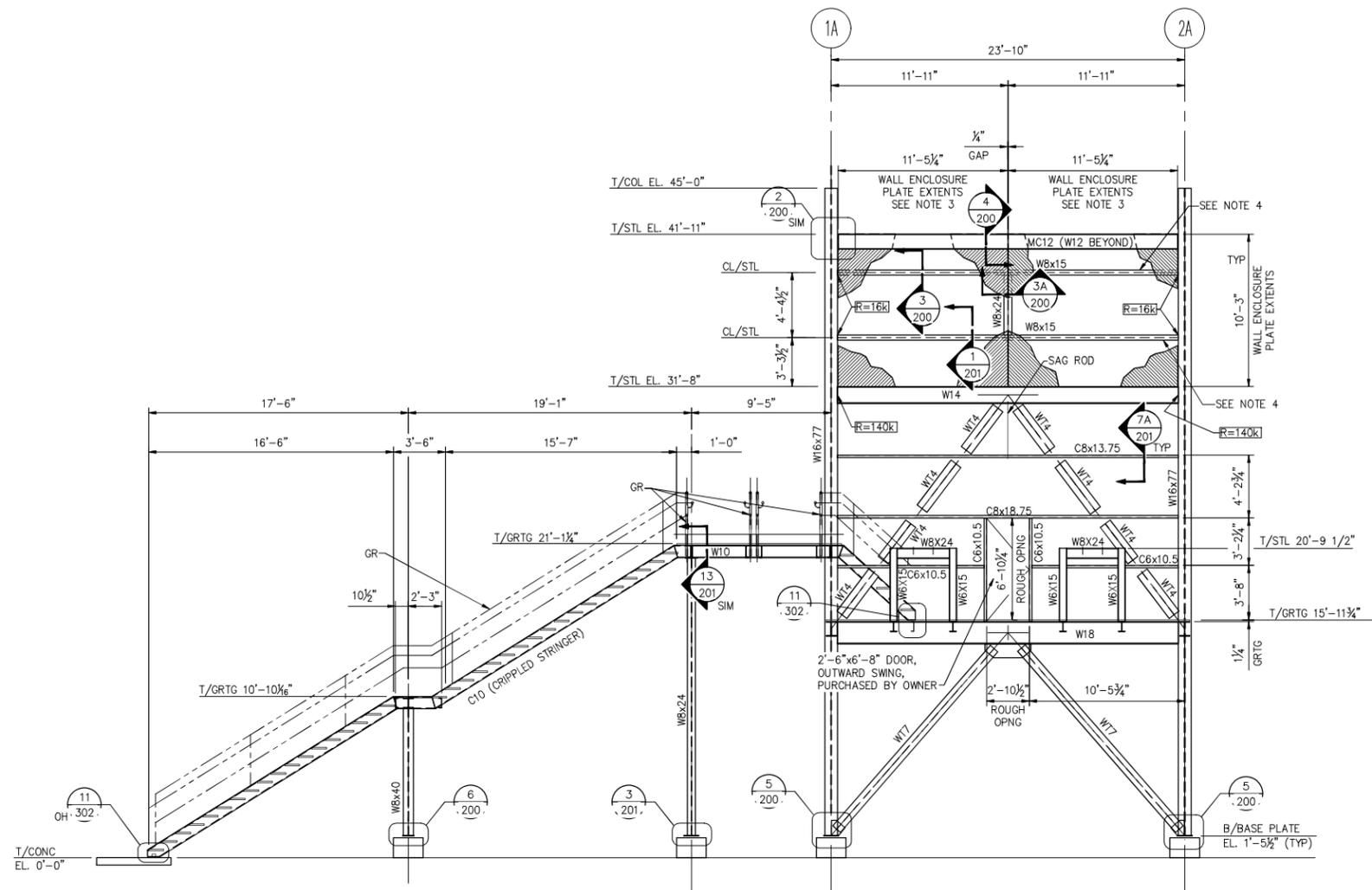
ORIGINATION		BY		DATE	
DRAWN	J. GOODNOUGH			3/17/20	
DESIGN	J. GOODNOUGH			11/9/21	
CHECKED	J. ENDRESS			4/28/22	
APPROVAL					

REVISIONS	
NO	DESCRIPTION

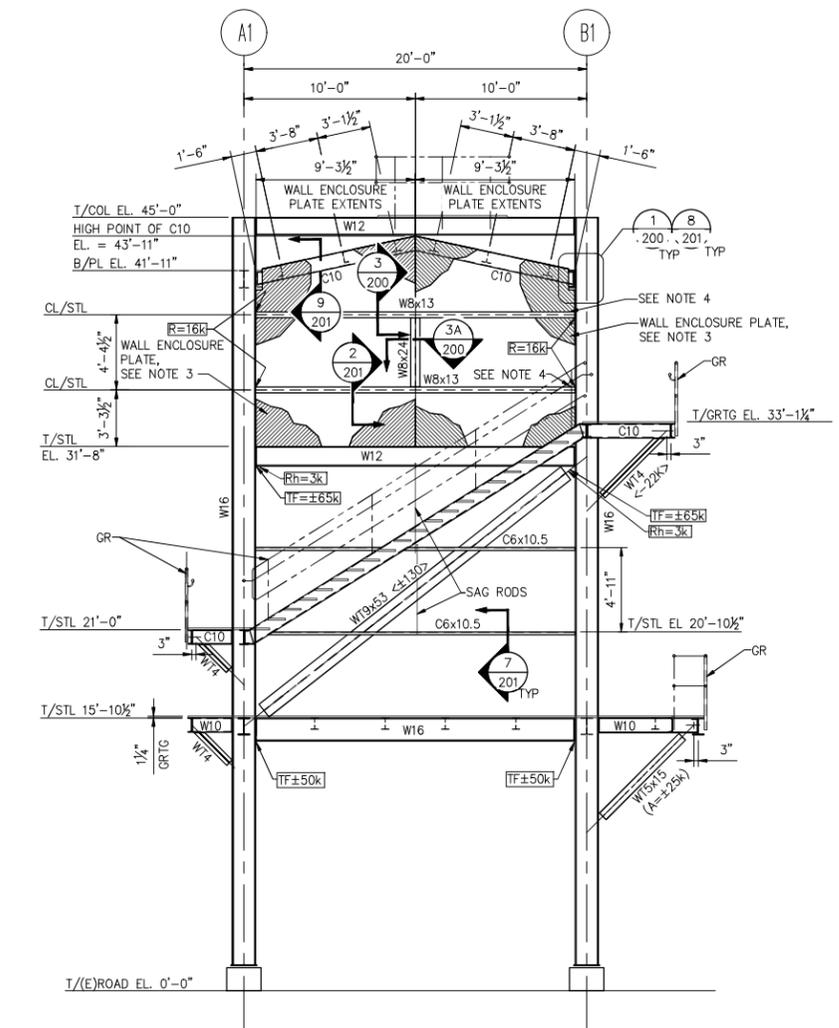
BLOCK		CAD INFORMATION	
APPRO. No.	USIC.029362	34762-01-C2-DC1-100.DWG	
PROJECT No.	MARICOPA	MCP - EHS Improvement Projects	
SITE	MARICOPA	LINT BUNKER	
SCALE	AS NOTED	EQUIPMENT PLFM FRAMING PLAN	

DRAWING NUMBER		REV	
34762-01-C2-DC1-100		0	
SITE	LOCATION	TYPE	SHEET





1 SECTION ALONG COL LINE A1
 SCALE: 3/16"=1'-0"
 WT4 = WT4x20 (+15k, -62k)
 WT7 = WT7x37 (+25k, -72k)



2 SECTION ALONG COLUMN LINE 1A
 SCALE: 3/16"=1'-0"
 WT4 = WT4x9

- NOTES:**
- FOR GENERAL NOTES & TYPICAL SECTIONS, SEE DRAWING 34762-01-C2-DC1-300 THRU 304.
 - PREFIX "34762-01-C2-DC1-..." APPLIES TO ALL DRAWING REFERENCES.
 - WALL ENCLOSURE PLATE SHALL BE 1/2" THICK. CONTRACTOR TO PROVIDE FLASHING OVER AND FLEXIBLE SEALANT IN ALL GAPS AND PENETRATIONS (E.G., BOLTS) THROUGH WALL ENCLOSURE PLATES.
 - PROVIDE 1" HOLE IN WEB OF BEAM AT 16" O.C. ALONG LENGTH.

LEGEND (THIS SHEET ONLY)

SAG ROD = 3/4" DIAMETER FULL THREADED SAG RODS.
 DOUBLE NUT AT DISCONTINUITIES.
 RGR, GR = SEE ABBREVIATIONS ON DRAWINGS
 C2-DC1-300
 TF, A, R, Rh = SEE SECTION 3.2, NOTE 12 ON DRAWING
 C2-DC1-300

**ISSUED
FOR
CONSTRUCTION**

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 engineers-constructors
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 100 Executive Center Drive
 Suite 100 Greenville, SC 29615
 Phone: 864-990-5464
 Job Number: 0166.212130

NO	DATE	BY	CHKD	APVD	PRJ. NO.	DESCRIPTION
0	4/29/22	JDC	JCE	RGH	USIC.029362	ISSUED FOR CONSTRUCTION

ORIGINATION	BY	DATE
DRAWN	J. GOODNOUGH	10/22/20
DESIGN	J. GOODNOUGH	11/09/21
CHECKED	J. ENDRESS	4/28/22
APPROVAL	BY	DATE

REVISIONS	

DRAWING NUMBER		REV
34762-01-C2-DC1-101		0

BLOCK	APPRO. No.	PROJECT No.	SITE	SCALE

SITE	LOCATION	TYPE	GROUP	SHEET

CAD INFORMATION	

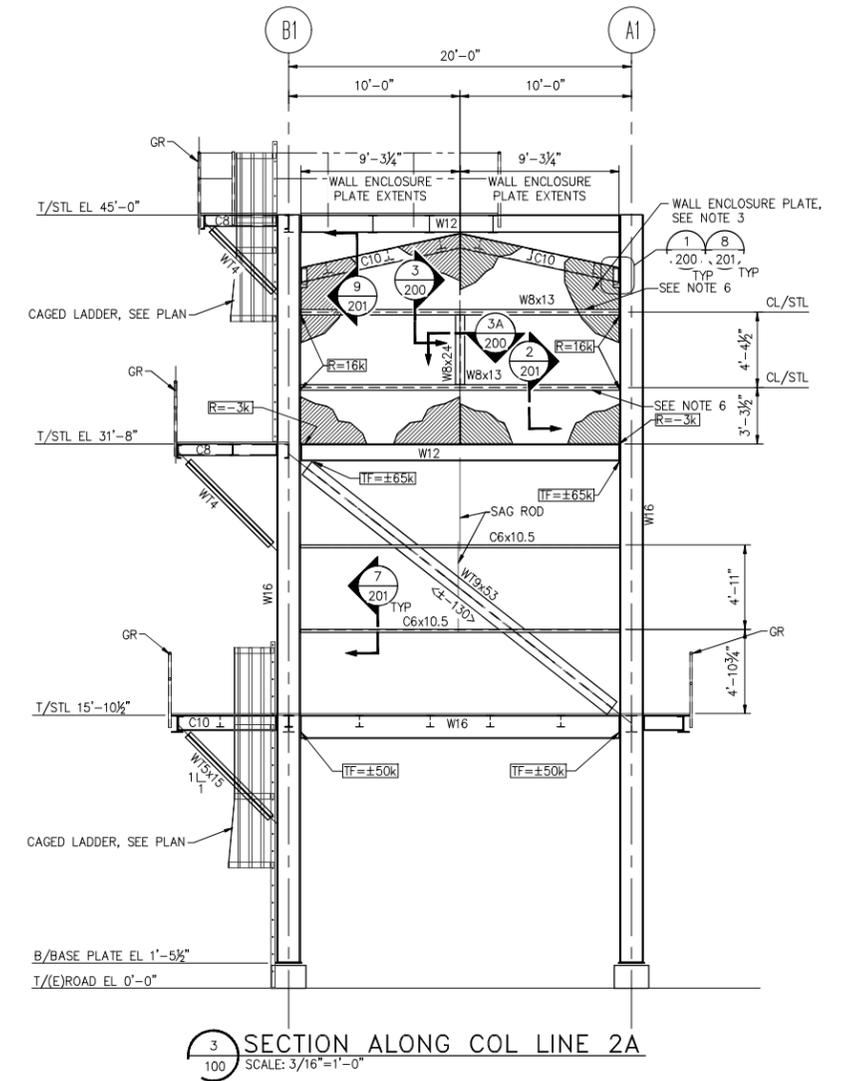
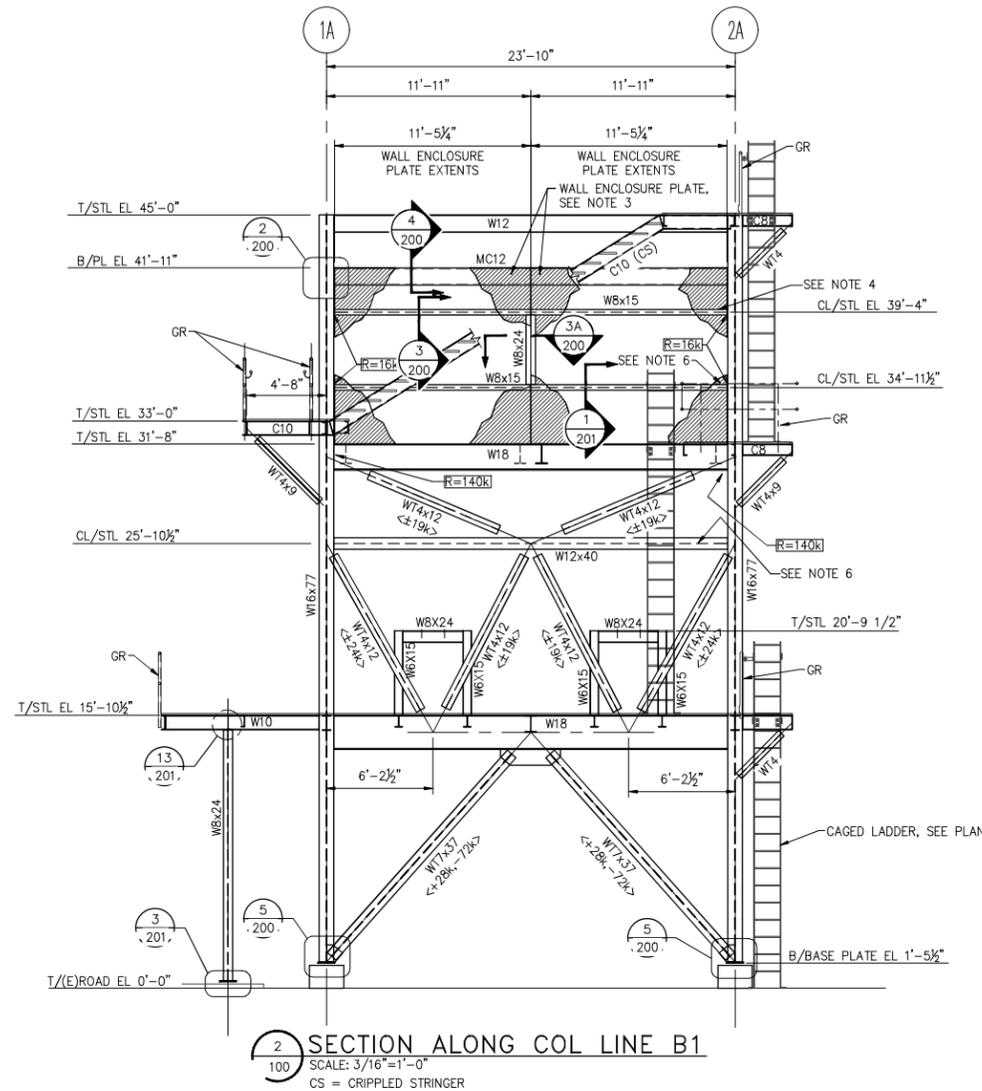
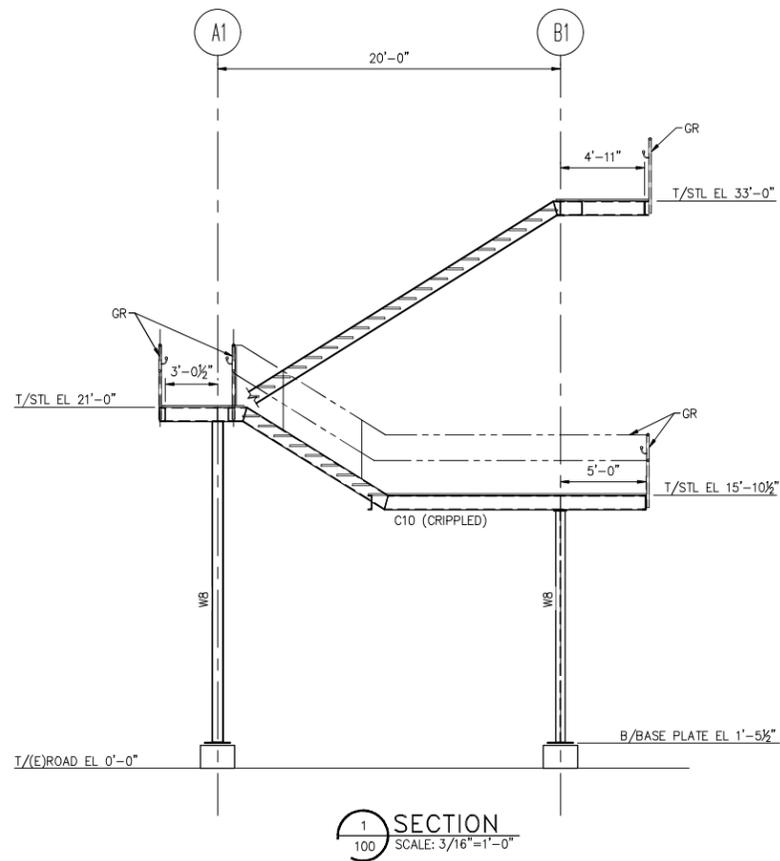
CAD INFORMATION	

CAD INFORMATION	



Maricopa, AZ
 MCP - EHS Improvement Projects
 LINT BUNKER
 STEEL ELEVATIONS

THIS DRAWING AND DESIGN INCLUDING, BUT NOT LIMITED TO, ALL PATENTABLE FEATURES SEPARATELY OR COLLECTIVELY SHOWN ARE THE PROPERTY OF BASF AND ARE NOT TO BE REPRODUCED, IN WHOLE OR IN PART, NOR USED FOR ANY PURPOSE OTHER THAN AS SPECIFICALLY PERMITTED IN WRITING BY BASF. THIS DRAWING IS LOANED AND SHALL BE RETURNED ON DEMAND.



- NOTES:**
- FOR GENERAL NOTES & TYPICAL DETAILS, SEE DRAWING 34762-01-C2-DC1-300 THRU 304.
 - PREFIX "34762-01-C2-DC1-..." APPLIES TO ALL DRAWING REFERENCES.
 - WALL ENCLOSURE PLATE SHALL BE 1/2" THICK. CONTRACTOR TO PROVIDE FLASHING OVER AND FLEXIBLE SEALANT IN ALL GAPS AND PENETRATIONS (E.G., BOLTS) THROUGH ROOF ENCLOSURE PLATES.
 - PROVIDE 1" HOLE IN WEB OF BEAM AT 16" O.C. ALONG LENGTH.

LEGEND (THIS SHEET ONLY)

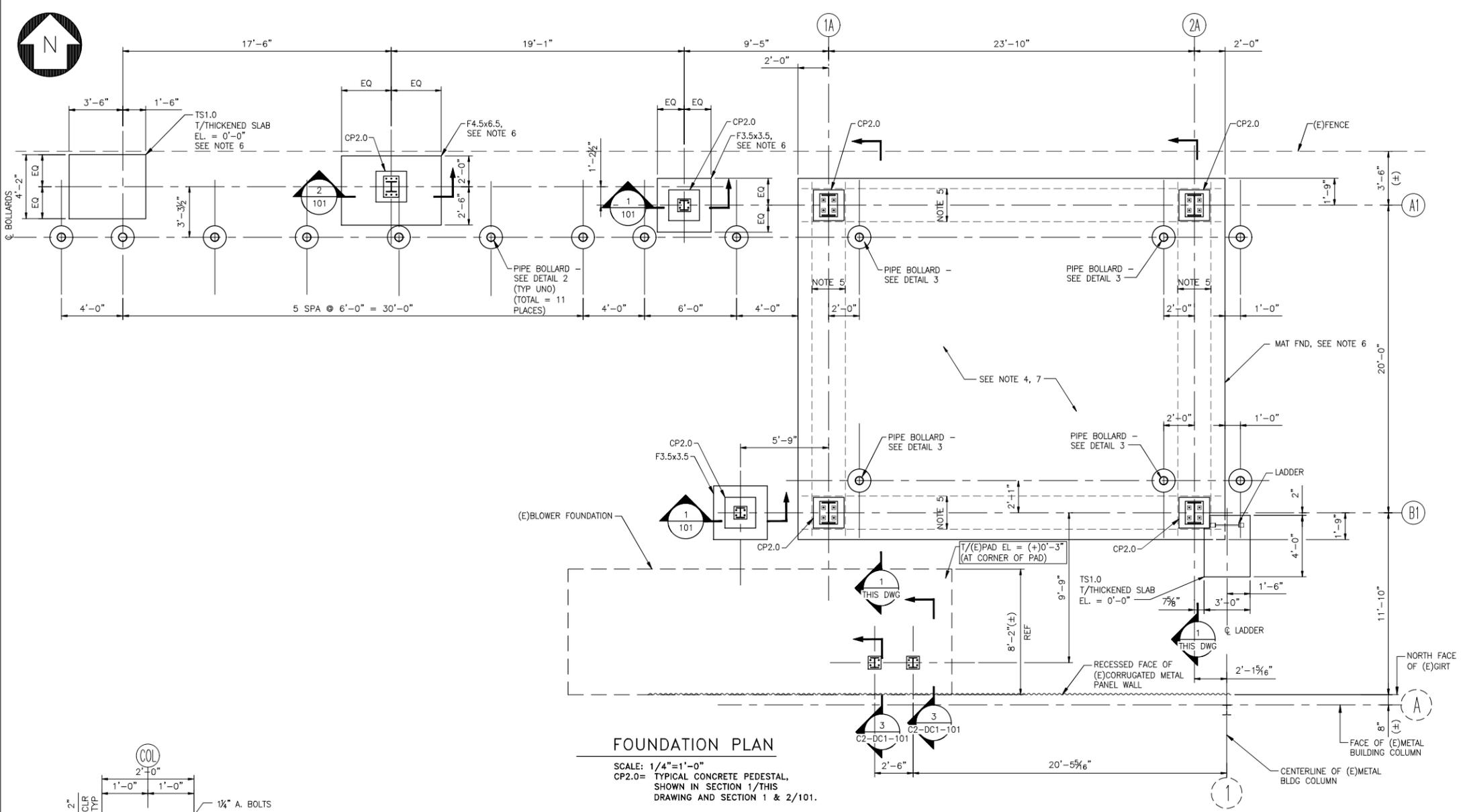
SAG ROD = 3/8" DIAMETER FULL THREADED SAG RODS.
 DOUBLE NUT AT DISCONTINUITIES.
 RGR, GR = SEE ABBREVIATIONS ON DRAWINGS
 C2-DC1-300
 TF, A, R, Rh = SEE SECTION 3.2, NOTE 12 ON DRAWING
 C2-DC1-300

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FOR
CONSTRUCTION

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100 Executive Center Drive
Suite 100 Greenville, SC 29615
Phone: 864-990-5464
Job Number: 0166.212130

NO	DATE	BY	CHKD	APVD	PRJ. NO.	DESCRIPTION
0	4/29/22	JDC	JCE	RGH	USIC.029362	ISSUED FOR CONSTRUCTION
REVISIONS						
ORIGINATOR	BY	DATE				
DRAWN	J. GOODNOUGH	3/17/20				
DESIGN	J. GOODNOUGH	11/09/21				
CHECKED	J. ENDRESS	4/28/22				
APPROVAL	BY	DATE				
Maricopa, AZ MCP - EHS Improvement Projects LINT BUNKER STEEL ELEVATIONS						
DRAWING NUMBER						REV
34762-01-C2-DC1-102						0
BLOCK	CAD INFORMATION					
APPRO. No.	34762-01-C2-DC1-102.DWG					
PROJECT No.	USIC.029362					
SITE	MARIKOPIA					
SCALE	AS NOTED					



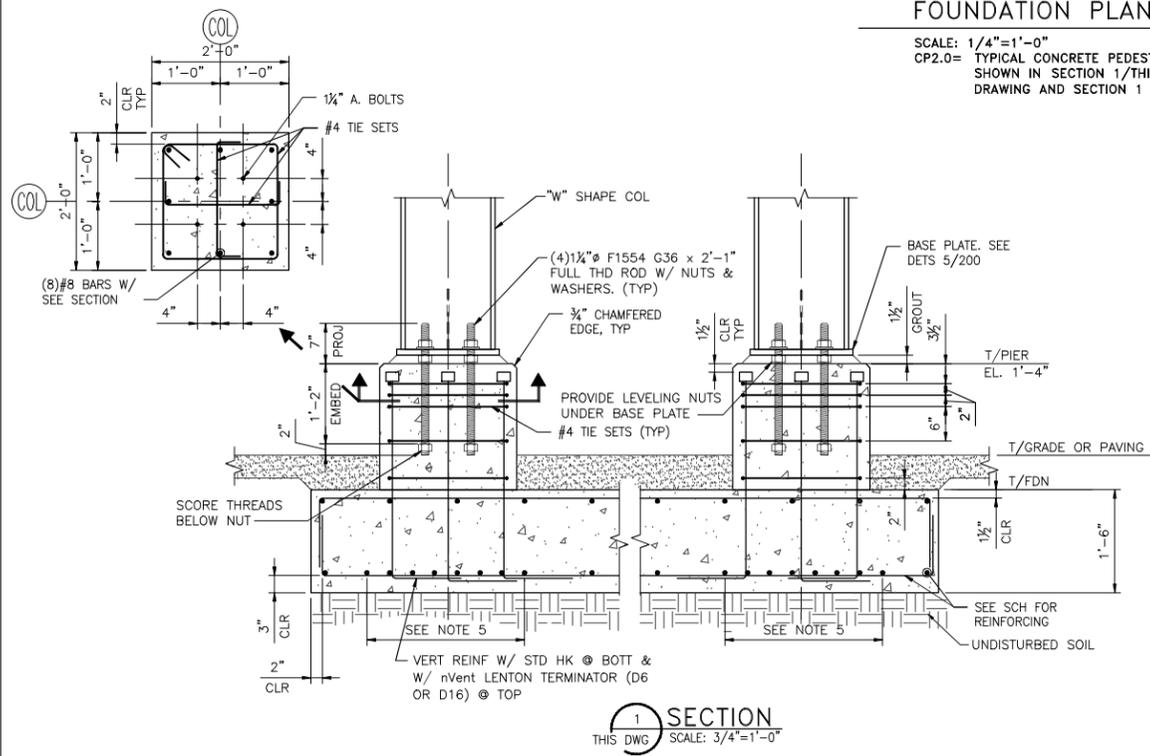


FOUNDATION AND THICKENED SLAB SCHEDULE					
TAG	THICKNESS	WIDTH	LENGTH	BOTT. REINF.	TOP REINF.
TS1.0	6"	SEE PLAN	SEE PLAN	#4'S @ 12" O.C. E.W.	N/A
F3.5x3.5	1'-0"	3'-6"	3'-6"	#5'S @ 12" O.C. E.W.	N/A
F4.5x6.5	1'-6"	4'-6"	6'-6"	#6'S @ 12" O.C. E.W.	#6'S @ 12" O.C. E.W.
MAT FDN	1'-6"	SEE PLAN	SEE PLAN	#8'S @ 12" O.C. E.W.	#8'S @ 12" O.C. E.W.

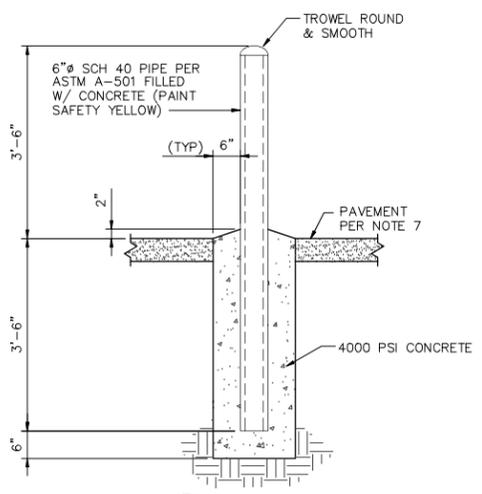
- FOUNDATION SCHEDULE NOTES:**
- SEE GENERAL NOTES FOR REBAR COVER REQUIREMENTS, REBAR SPLICE REQUIREMENTS, CONCRETE REQUIREMENTS UNLESS NOTE OTHERWISE.
 - TERMINATE REINFORCEMENT W/ 90 DEGREE STANDARD HOOK AT SIDES OF FOOTING.
 - THICKENED SLABS SHALL BEAR ON COMPACTED ENGINEERED FILL PER NOTE 6 W/ 4" THICK AGGREGATE BASE COURSE PER NOTE 8.

FOUNDATION PLAN

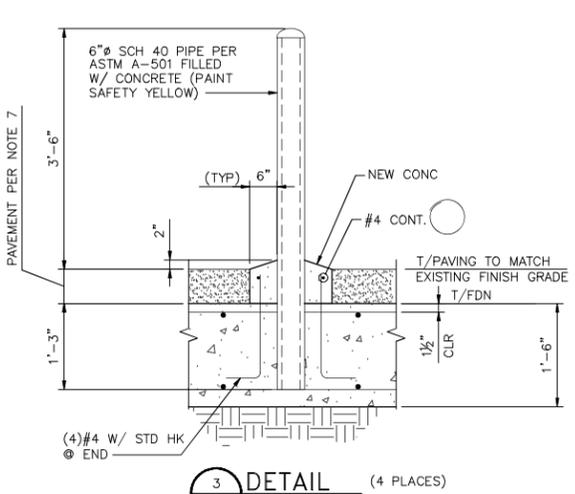
SCALE: 1/4"=1'-0"
 CP2.0= TYPICAL CONCRETE PEDESTAL, SHOWN IN SECTION 1/THIS DRAWING AND SECTION 1 & 2/101.



SECTION 1
 THIS DWG SCALE: 3/4"=1'-0"



DETAIL 2 (11 PLACES)
 THIS DWG SCALE: 3/4"=1'-0"



DETAIL 3 (4 PLACES)
 THIS DWG SCALE: 3/4"=1'-0"

ISSUED FOR CONSTRUCTION

hargrove
 engineers+constructors
 Hargrove and Associates, Inc.
 100 Executive Center Drive
 Suite 100 Greenville, SC 29615
 Phone: 864-990-5464
 Job Number: 0166.212130

NO	DATE	BY	CHKD	APVD	PRJ. NO.	DESCRIPTION
0	4/29/22	JDC	JCE	RGH	USIC.029362	ISSUED FOR CONSTRUCTION

ORIGINATION		BY	DATE
DRAWN	J. GOODNOUGH	J. GOODNOUGH	3/17/20
DESIGN	J. GOODNOUGH	J. GOODNOUGH	11/8/21
CHECKED	J. ENDRESS	J. ENDRESS	4/28/22
APPROVAL			

REVISIONS	
34762-01-C4-DC1-100	0

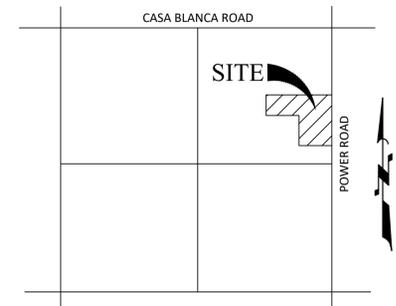
BLOCK	APPRO. No.	PROJECT No.	SITE	LOCATION	TYPE	GROUP	SHEET
	USIC.029362	34762-01-C4-DC1-100.DWG	MARICOPA				0



- NOTES:**
- FOR GENERAL NOTES & TYPICAL DETAILS, SEE DRAWING 34762-01-C2-DC1-300 THRU 304.
 - PREFIX "34762-01-C4-DC1-..." APPLIES TO ALL DRAWING REFERENCES UNLESS NOTED OTHERWISE.
 - TOP OF FOOTING ELEVATION = (-)1'-0" UNLESS NOTED OTHERWISE.
 - RE-GRADE AND RE-PAVE SITE AT AREA OF EXCAVATION TO MATCH EXISTING GRADE & PAVEMENT. USE REFERENCE ELEVATION OF 0'-3" AT NORTHEAST CORNER OF EXISTING BLOWER FOUNDATION FOR SETTING ALL NEW CONSTRUCTION ELEVATIONS. CONTRACTOR SHALL INSTALL NEW SURVEY TEMPORARY BENCHMARK POINT (BASED ON ABOVE ELEVATION OF EXISTING BLOWER PAD) PRIOR TO BEGINNING EXCAVATION.
 - REINFORCEMENT WITHIN THIS STRIP EXTENTS, PROVIDE #8 AT 4" O.C. ALONG BOTTOM OF FOOTING (PERPENDICULAR TO THIS WIDTH MEASUREMENT).
 - FOUNDATIONS SHALL BEAR ON COMPACTED ENGINEERED FILL (COMPACTED TO 95% STANDARD PROCTOR) PER GEOTECHNICAL REPORT BY SAECO (GEOTECHNICAL ENGINEERING STUDY - BAYER CROP SCIENCE MARICOPA - SAECO PROJECT NO. 44.17.2092, DATED AUGUST 17, 2017). DESIGN ALLOWABLE BEARING PRESSURE IS 2,500 PSF PER THE SAME REPORT.
 - NEW PAVEMENT SHALL MATCH (E) PAVEMENT BUT SHALL HAVE MINIMUM 6" THICK AGGREGATE BASE COURSE (PER NOTE 8) AND 3" THICK ASPHALT CONCRETE (CONFORMING TO MAG SPECIFICATION SECTION 710 (MAG 710), W/ MIX DESIGNATION OF 1/2 IN. OR 3/4 IN.). PAVEMENT CONSTRUCTION AND LIFT THICKNESSES SHALL BE PER MAG SPECIFICATION SECTIONS 321 AND 710.
 - AGGREGATE BASE COURSE SHALL BE PER MAG SPECIFICATION SECTION 702.

GRADING & DRAINAGE PLAN

POWER ROAD & CASA BLANCA ROAD
BAPCHULE, ARIZONA



VICINITY MAP
T 4S, R 3E, S 1
(N.T.S.)

OWNER

GILA RIVER INDIAN COMMUNITY

ENGINEER

R.B. WILLIAMS & ASSOCIATES, INC.
1921 S ALMA SCHOOL RD., STE 101
MESA, AZ 85210
CONTACT: PHIL WILLIAMS, P.E., R.L.S.
PHONE: (480) 424-2352
EMAIL: PHIL@RBWILLIAMS.COM

BASIS OF BEARING

THE EAST LINE OF THE SE 1/4 OR THE NE 1/4 OF SECTION 1, T4S, R3E P.C.R., ALSO KNOWN AS POWER ROAD.
BEARING: S 00°05'48" W

SITE INFORMATION

AREA OF THE SUBJECT PROPERTY IS:
817,159.15 SF OR 18.7594 AC

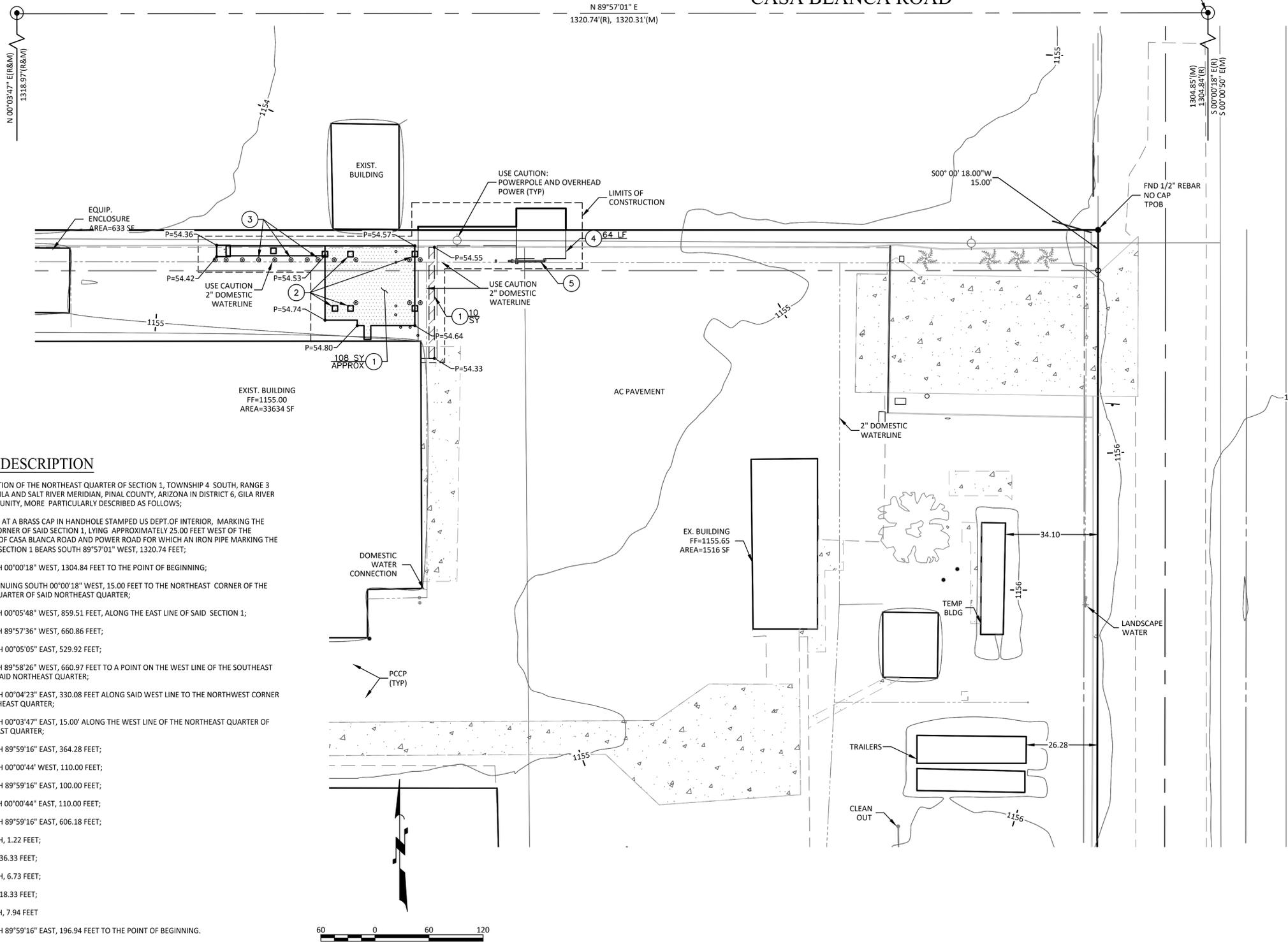
R.B. WILLIAMS & ASSOCIATES, INC.
CONSULTING ENGINEERS
1921 S. ALMA SCHOOL RD., STE 101
MESA, ARIZONA 85210
PHONE: (480) 424-2352
JEFFREY L. WILLIAMS, P.E.
PHILIP C. WILLIAMS, P.E., R.L.S.

LINT BUNKER REPLACEMENT

GRADING & DRAINAGE PLAN

DATE	12/15/2023
DESIGN	PCW
DRAWN	PCW
CHK'D	PCW
SUB.	
23064GD01.DWG	
GD01	
SHEET NO.	
1/1	

- PAVING NOTES**
- SAWCUT AND REMOVE EXISTING AC AND REPLACE IN KIND, MINIMUM 3" AC / 6" ABC. TRENCHING FOR UTILITY LINES, BACKFILL AND COMPACTION PER SOILS REPORT AT OPTIMUM MOISTURE. 118 SY
 - CONCRETE FOUNDATION PER LINT BUNKER FOUNDATION DETAILS (TYP)
 - BOLLARDS PER LINT BUNKER FOUNDATION DETAILS (TYP)
 - 7' CHAINLINK FENCE MODIFIED AS NEEDED TO ALLOW FOR SLIDING GATE. 64 LF
 - 10' WIDE MANUAL SLIDING CHAIN LINK GATE WITH LOCKING MECHANISM. COORDINATE KEYING REQUIREMENTS WITH UTILITY PROVIDER AND TENANT. 1 EA



LEGAL DESCRIPTION

ALL THAT PORTION OF THE NORTHEAST QUARTER OF SECTION 1, TOWNSHIP 4 SOUTH, RANGE 3 EAST OF THE GILA AND SALT RIVER MERIDIAN, PINAL COUNTY, ARIZONA IN DISTRICT 6, GILA RIVER INDIAN COMMUNITY, MORE PARTICULARLY DESCRIBED AS FOLLOWS;

COMMENCING AT A BRASS CAP IN HANDHOLE STAMPED US DEPT. OF INTERIOR, MARKING THE NORTHEAST CORNER OF SAID SECTION 1, LYING APPROXIMATELY 25.00 FEET WEST OF THE INTERSECTION OF CASA BLANCA ROAD AND POWER ROAD FOR WHICH AN IRON PIPE MARKING THE EAST 1/16 OF SECTION 1 BEARS SOUTH 89°57'01" WEST, 1320.74 FEET;

- THENCE SOUTH 00°00'18" WEST, 1304.84 FEET TO THE POINT OF BEGINNING;
 - THENCE CONTINUING SOUTH 00°00'18" WEST, 15.00 FEET TO THE NORTHEAST CORNER OF THE SOUTHEAST QUARTER OF SAID NORTHEAST QUARTER;
 - THENCE SOUTH 00°05'48" WEST, 859.51 FEET, ALONG THE EAST LINE OF SAID SECTION 1;
 - THENCE SOUTH 89°57'36" WEST, 660.86 FEET;
 - THENCE NORTH 00°05'05" EAST, 529.92 FEET;
 - THENCE SOUTH 89°58'26" WEST, 660.97 FEET TO A POINT ON THE WEST LINE OF THE SOUTHEAST QUARTER OF SAID NORTHEAST QUARTER;
 - THENCE NORTH 00°04'23" EAST, 330.08 FEET ALONG SAID WEST LINE TO THE NORTHWEST CORNER OF SAID SOUTHEAST QUARTER;
 - THENCE NORTH 00°03'47" EAST, 15.00' ALONG THE WEST LINE OF THE NORTHEAST QUARTER OF SAID NORTHEAST QUARTER;
 - THENCE NORTH 89°59'16" EAST, 364.28 FEET;
 - THENCE NORTH 00°00'44" WEST, 110.00 FEET;
 - THENCE NORTH 89°59'16" EAST, 100.00 FEET;
 - THENCE SOUTH 00°00'44" EAST, 110.00 FEET;
 - THENCE NORTH 89°59'16" EAST, 606.18 FEET;
 - THENCE NORTH, 1.22 FEET;
 - THENCE EAST, 36.33 FEET;
 - THENCE NORTH, 6.73 FEET;
 - THENCE EAST, 18.33 FEET;
 - THENCE SOUTH, 7.94 FEET
 - THENCE NORTH 89°59'16" EAST, 196.94 FEET TO THE POINT OF BEGINNING.
- CONTAINING 817,355.18 SF OR 18.7639 ACRES, MORE OR LESS

