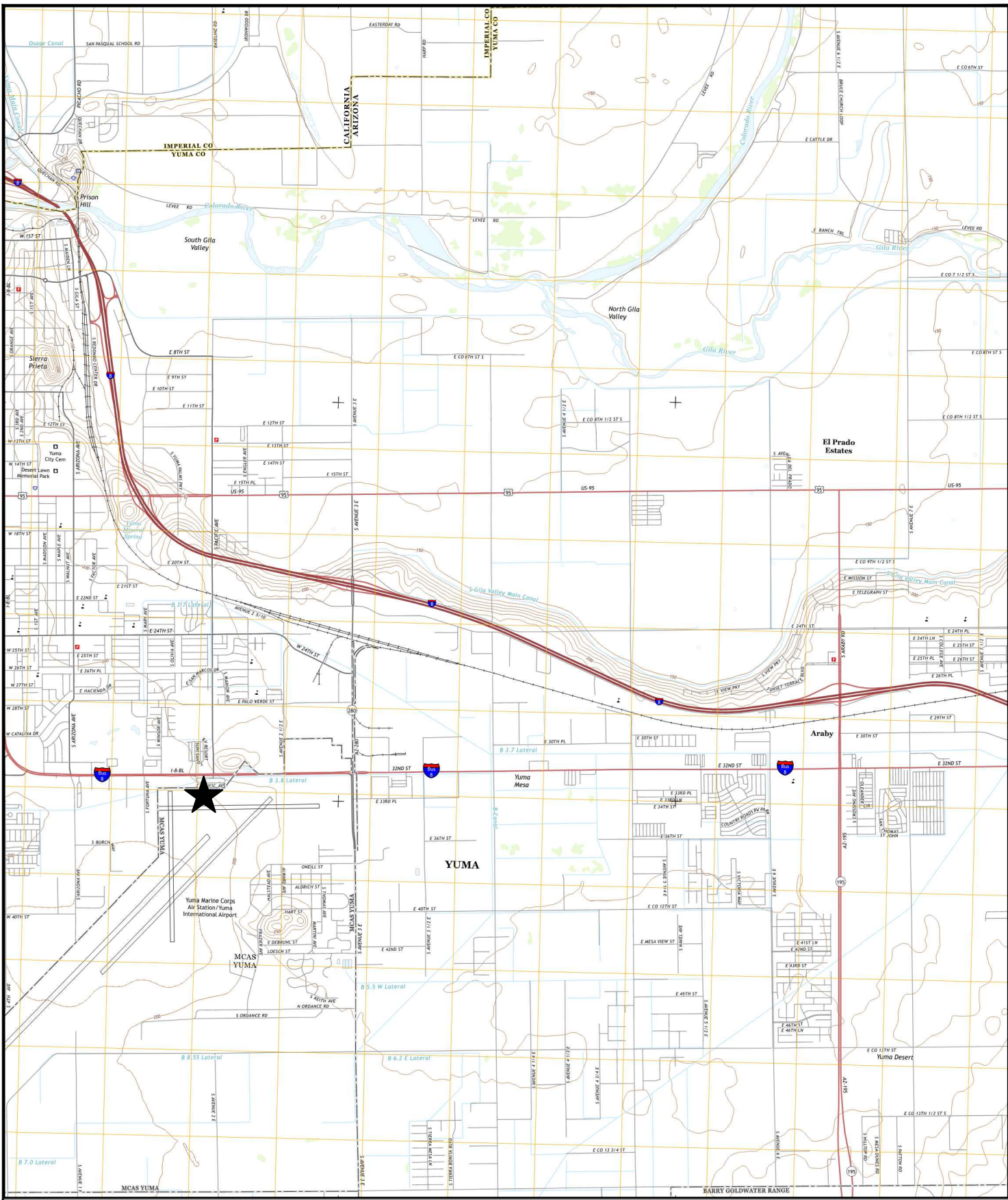
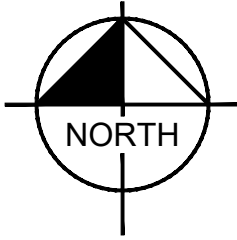


YUMA INTERNATIONAL AIRPORT YUMA, ARIZONA

ACCESS CONTROL UPGRADES



CITY OF YUMA VICINITY MAP
N.T.S.



Sheet List Table	
Sheet Number	Sheet Title
E-0.0	COVER SHEET
E-0.1	ELECTRICAL NOTES & LEGEND
E-0.2	COMMUNICATION NOTES & LEGEND
E-1.0	SITE MAP
E-1.1	AIRPORT TERMINAL 1ST FLOOR
E-1.2	AIRPORT TERMINAL 1ST FLOOR
E-1.3	AIRPORT TERMINAL 2ND FLOOR
E-1.4	WEST TERMINAL SITE PLAN
E-1.5	EAST TERMINAL SITE PLAN
E-1.6	NORTHWEST GATE SITE PLAN
E-1.7	MARTHA TAYLOR SITE PLAN
E-1.8	HERO'S HANGAR SITE PLAN
E-1.9	PILOT'S LOUNGE SITE PLAN
E-1.10	GALLASPIE GATE SITE PLAN
E-1.11	CARE FLIGHT SITE PLAN
E-1.12	WRONG WAY & MILLION AIR SITE PLAN
E-1.13	LOVE & SIMMS SITE PLAN
E-1.14	JOE FOSS HANGAR & CBP WEST SITE PLAN
E-1.15	CBP EAST SITE PLAN
E-1.16	AIC GATE SITE PLAN
E-1.17	FEDEX & AMELIA HANGAR SITE PLAN
E-1.18	AEROCARE BUILDING SITE PLAN
E-1.19	TAZ BUILDING SITE PLAN
E-1.20	DCC GATE SITE PLAN
E-2.0	ELECTRICAL DETAILS

2024, Apr. 10, 10:28 AM, Yuma, Arizona, NYL Access Control Upgrades, City of Yuma, Arizona, Inc. This document, together with the concepts and designs generated hereby, is intended only for the specific purpose and client for which it was prepared. Reuse of any information contained herein for any other project without the written authorization and approval of Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



NO.	DATE	REVISION	BY	APPD.

Date 3/11/24
 Designed DT
 Drawn GB
 Checked JB

Kimley»Horn
 © 2023 KIMLEY-HORN AND ASSOCIATES, INC.
 1001 West Southern Avenue Suite 131
 Mesa, Arizona 85210
 (480) 207-2666

YUMA INTERNATIONAL AIRPORT
 YUMA, ARIZONA

EXPIRES 3/31/26

YUMA INTERNATIONAL AIRPORT
 NYL ACCESS CONTROL UPGRADES
 COVER SHEET

PROJECT NO. 291346002	
SHEET NO. E-0.0	
SHEET 1	TOTAL SHEETS 26

GENERAL NOTES

- CONSTRUCTION FOR THIS PROJECT SHALL BE IN ACCORDANCE WITH THE FOLLOWING: THE PLANS AND SPECIFICATIONS; ALL APPLICABLE FAA STANDARDS AND SPECIFICATIONS LATEST REVISION; AND THE CITY OF SALINAS STANDARD DETAILS, LATEST REVISION. IN THE EVENT OF ANY CONFLICT BETWEEN THE CONTRACT DOCUMENTS FOR THIS PROJECT AND THE CITY OF SALINAS DETAILS, THE CONTRACT DOCUMENTS FOR THIS PROJECT SHALL PREVAIL. THE PRECEDENCE OF THE CONTRACT DOCUMENTS ARE CONTAINED IN THE SPECIAL PROVISIONS. CALCULATED DIMENSIONS WILL GOVERN OVER SCALED DIMENSIONS.
- THE CONTRACTOR SHALL COMPLY WITH ALL FEDERAL, STATE AND LOCAL SAFETY REGULATIONS.
- THE CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS FROM LOCAL GOVERNMENTS OR JURISDICTIONAL AGENCIES PRIOR TO STARTING ANY CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL PROVIDE A COPY OF ALL CONSTRUCTION PERMITS TO THE ENGINEER WITHIN SEVEN (7) DAYS OF ISSUE OF SUBJECT PERMIT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PRESERVATION OF ALL EXISTING IMPROVEMENTS, PROPERTY AND FACILITIES. THE CONTRACTOR SHALL PROTECT CAREFULLY FROM DAMAGE OR DISTURBANCE ALL LAND AND SURVEY MONUMENTS AND PROPERTY MARKERS. IF DAMAGE TO AIRPORT PROPERTY AND/OR FACILITIES DOES OCCUR AS A RESULT OF THE CONTRACTOR'S OPERATIONS, THE CONTRACTOR, AT HIS SOLE EXPENSE, SHALL RESTORE SUCH PROPERTY AND/OR FACILITIES TO A CONDITION EQUAL TO THAT EXISTING BEFORE SUCH DAMAGE AND TO THE SATISFACTION OF THE ENGINEER.
- SAFETY AND SECURITY – SAFETY AND SECURITY OF THE CONSTRUCTION OPERATIONS WITHIN THE AIRPORT OPERATIONS AREA (AOA) AND THE SAFETY AND SECURITY OF AIRCRAFT OPERATIONS THROUGH AND IN THE VICINITY OF THE CONSTRUCTION PROJECT LIMITS IS THE CONTRACTOR'S RESPONSIBILITY. THE CONTRACTOR SHALL COORDINATE WITH SNS OPERATIONS AND THE CITY ON ALL MATTERS RELATED TO SAFETY AND SECURITY WITHIN THE AOA. WORK SHALL NOT BE PERFORMED WITHIN THE AOA WITHOUT PRIOR COORDINATION WITH THE AIRPORT REPRESENTATIVES.
- THE CONSTRUCTION WORK ON THIS PROJECT WILL OCCUR WITHIN AN ACTIVE AOA AND IS SUBJECT TO THE OPERATIONAL SAFETY AND SECURITY REQUIREMENTS OF YUMA INTERNATIONAL AIRPORT (NYL) AND THE FAA AS IDENTIFIED WITHIN THE CONTRACT DOCUMENTS. IN ADDITION THE CONTRACTOR SHALL COMPLY WITH ANY ADDITIONAL SAFETY AND SECURITY REQUIREMENTS NOT IDENTIFIED IN THESE CONTRACT DOCUMENTS, BUT DEEMED NECESSARY BY SNS OR THE FAA AND AT NO ADDITIONAL COST TO THE OWNER.
- THE CONTRACTOR SHALL NOT ENTER ONTO ANY AREA OF THE AOA OUTSIDE OF THE CONSTRUCTION LIMITS, THE STAGING AREAS, OR THE DESIGNATED HAUL ROUTES WITHOUT THE WRITTEN APPROVAL OF THE ENGINEER OR NYL.
- THE CONTRACTOR WILL BE REQUIRED TO (1) COORDINATE WITH NYL OPERATIONS AND THE FAA TOWER PERSONNEL ON ALL ITEMS RELATED TO THE AOA SAFETY AND SECURITY; AND (2) FULLY COMPLY WITH THE AIRPORT PROCEDURES AND SPECIAL REQUIREMENTS FOR AOA ACCESS, AIRPORT SECURITY TRAINING/INDUCTION, AND SECURITY BADGING. THE CONTRACTOR SHALL CARRY OUT THE WORK IN A MANNER TO MAINTAIN THE INTEGRITY OF THE AOA SECURITY AT ALL TIMES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITY LINES OR AIRPORT FACILITIES ENCOUNTERED DURING CONSTRUCTION. ANY DAMAGE TO UTILITIES MUST BE REPAIRED IMMEDIATELY BY THE CONTRACTOR, TO THE SATISFACTION OF THE ENGINEER AND AT NO COST TO THE AIRPORT.
- CONTRACTOR SHALL NOTE IN THE RECORD DRAWINGS ALL PIPES, DUCTS AND CABLES FOUND DURING EXCAVATION AND INDICATE EXACT POSITION, ELEVATION, DIRECTION, SIZE, MATERIAL, PURPOSE AND ACTIVE STATUS IF KNOWN.
- WASTE MATERIALS – ALL WASTE MATERIAL INCLUDING BUT NOT LIMITED TO ASPHALT, CONCRETE, RUBBLE, PAVEMENT REINFORCEMENT FABRIC AND/OR GEOGRID, AND WASTE EXCAVATION SHALL BE PROPERLY DISPOSED OF OFF AIRPORT PROPERTY AND IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL LAWS AND REGULATIONS. WASTE MATERIAL SHALL NOT BE WASTED OR STOCKPILED ON THE AIRPORT PROPERTY.
- SALVAGED ITEMS – ANY SALVAGED ITEMS ARE TO REMAIN THE PROPERTY OF AIRPORT, AT THE DISCRETION OF AIRPORT MANAGER.
- ANY SALVAGED ITEMS THAT THE AIRPORT MANAGER DETERMINES ARE NOT TO REMAIN THE PROPERTY OF THE AIRPORT SHALL BE DISPOSED OF BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE AIRPORT.
- ANY TEMPORARY STOCKPILING OF MATERIAL SHALL BE CONSTRAINED IN A MANNER TO PREVENT MOVEMENT AS A RESULT OF WING VORTEX, PROP WASH OR JET BLAST FROM AIRCRAFT OPERATIONS, OR OTHER SURFACE WIND CURRENTS.
- CONTRACTOR GENERATED DEBRIS, WASTE, AND LOOSE MATERIAL CAPABLE OF CAUSING DAMAGE TO AIRCRAFT LANDING GEAR, PROPELLERS, ROTORS, OR LIKELY TO BE INGESTED BY JET ENGINES SHALL NOT BE LEFT ON PAVEMENTS WITHIN THE ACTIVE MOVEMENT AREAS OF THE AOA. CONTRACTOR GENERATED DEBRIS OR MATERIAL ON PAVEMENT SURFACES WITHIN THESE AREAS SHALL BE REMOVED IMMEDIATELY BY THE CONTRACTOR. DURING WORKING HOURS THE CONTRACTOR SHALL MONITOR AND CONTINUOUSLY REMOVE DEBRIS AND MATERIAL FROM THESE AREAS.
- THE CONTRACTOR IS RESPONSIBLE FOR CONTINUOUS DAILY CLEAN UP OF THE WORK AREAS.
- THE CONTRACTOR SHALL COMPLETE CLEAN UP AND RESTORATION OF THE ENTIRE PROJECT AREA, INCLUDING ALL STAGING AND STORAGE AREAS, AS APPROVED BY THE ENGINEER, WITHIN FIFTEEN DAYS OF PROJECT SUBSTANTIAL COMPLETION DATE.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE ALL UTILITIES AND HOOKUPS FOR THE CONTRACTORS STAGING AREA, THE ENGINEER'S FIELD OFFICE, AND THE MATERIAL TESTING LABORATORY. REQUIRED UTILITIES FOR THE CONTRACTORS OPERATIONS SHALL BE ARRANGED AND PAID FOR BY THE CONTRACTOR, IF REQUIRED DIRECTLY TO THE APPROPRIATE UTILITY.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INVESTIGATE THE AVAILABILITY OF AN ADEQUATE SUPPLY OF SUITABLE WATER FOR THE CONSTRUCTION. THE CONTRACTOR SHALL SECURE AND MAKE ALL ARRANGEMENTS NECESSARY FOR THE PURCHASE OF WATER FOR THE CONSTRUCTION, AND TO OBTAIN ALL NECESSARY PERMITS, AND PROVIDE ALL NECESSARY FACILITIES TO FURNISH WATER FOR USE DURING THE CONSTRUCTION. NO ADDITIONAL PAYMENT OR MEASUREMENT WILL BE MADE FOR PROVIDING WATER FOR THE CONSTRUCTION, IT SHALL BE AT THE CONTRACTOR'S SOLE EXPENSE.
- THE CONTRACTOR IS REQUIRED TO PROVIDE ADEQUATE LIGHTING FOR CONSTRUCTION OF ALL WORK AREAS DURING THE HOURS OF DARKNESS, REDUCED VISIBILITY, OR AS REQUIRED BY THE SPECIFICATIONS AND TO THE SATISFACTION OF THE ENGINEER. COSTS FOR SAID LIGHTING SHALL BE INCIDENTAL TO THE CONTRACT.
- THE CONTRACTOR'S SUPERINTENDENT SHALL BE ON THE CONSTRUCTION SITE AT ALL TIMES WHEN WORK IS BEING CARRIED OUT AND THE CONTRACTORS SUPERINTENDENT, OR AN APPROVED DESIGNEE, SHALL BE ON-CALL AND AVAILABLE IN CASE OF EMERGENCIES ON A TWENTY-FOUR-HOUR DAILY BASIS FOR THE DURATION OF THE PROJECT. THE CONTRACTOR'S SUPERINTENDENT SHALL BE DESIGNATED AS THE CONTRACTOR'S RESPONSIBLE REPRESENTATIVE.

LEGEND

	AIRPORT PROPERTY LINE
	EXISTING FENCE
	EXISTING WATER MAIN
	EXISTING SANITARY SEWER
	FAA COMMUNICATIONS/POWER
	SAWCUT
	TRAFFIC SIGN POST
	SURVEY MONUMENT
	BORING/CORE LOCATION AND DEPTH
	STORM DRAIN INLET
	STORM SEWER MANHOLE
	BURIED STORM SEWER MANHOLE
	SANITARY SEWER MANHOLE
	TELEPHONE MANHOLE
	ELECTRICAL MANHOLE
	WATER METER
	WATER VALVE
	ACCESS GATE MOTOR
	KEYPAD PEDESTAL WITH BOLLARDS
	PEDESTRIAN GATE WITH KEYPAD
	VEHICLE DETECTOR LOOP
	COMMUNICATIONS CABINET
	CAMERA

ABBREVIATIONS

ANGLE	FL	FLOW LINE	PVC	POLYVINYL CHLORIDE or POINT OF VERTICAL CURVATURE
AT	FNC	FENCE	PVMT	PAVEMENT
DELTA	FO	FIBER OPTIC	PVT	POINT OF VERTICAL TANGENCY
DIAMETER	FT	FOOT or FEET	Q	QUANTITY OF DRAINAGE RUNOFF
NUMBER	G	GUTTER or GAS LINE	R	RADIUS
PERCENT	GB	GRADE BREAK	RCP	REINFORCED CONCRETE PIPE
ANGLE	GP	GRATE INLET PROTECTION	RD	ROAD
AGGREGATE BASE COURSE	GR	GRADE OR GRATE	RDWY	ROADWAY
ASPHALTIC CONCRETE	HDPE	HIGH DENSITY POLYETHYLENE PIPE	REF	REFERENCE
ACRE	HT/HGT	HEIGHT	REIL	RUNWAY END IDENTIFIER LIGHTS
ASBESTOS CEMENT PIPE	HORIZ	HORIZONTAL	REINF	REINFORCED
AIR OPERATIONS AREA	HP	HIGH POINT	REQ	REQUIRED
APPROXIMATE	ID	INSIDE DIAMETER	REV	REVISED OR REVISION
AMERICAN RECOVERY AND REINVESTMENT ACT OF 2009	INCL	INCLUDED	RGRCP	RUBBER GASKET REINFORCED CONCRETE PIPE
AIR RESCUE AND FIREFIGHTING	IN	INCH OR INCHES	R	RIGHT
AMERICAN SOCIETY FOR TESTING AND MATERIALS	INV	INVERT	RSA	RUNWAY SAFETY AREA
AIR TRAFFIC CONTROL TOWER	JT	JOINT	ROFA	RUNWAY OBJECT FREE AREA
BEGIN CURVE	L	LEFT or LENGTH	ROFZ	RUNWAY OBSTACLE FREE ZONE
BUILDING	LAT	LATITUDE	ROW	RIGHT-OF-WAY
BENCH MARK	LF	LINEAR FOOT	R/W	RUNWAY
BEST MANAGEMENT PRACTICES	LONG	LONGITUDE	S	SOUTH
BOTTOM	LS	LUMP SUM	SD	STORM DRAIN
CATCH BASIN	MAX	MAXIMUM	SE	SOUTHEAST
CUBIC FOOT	MH	MANHOLE	SEC	SECTION
CODE OF FEDERAL REGULATIONS	MIN	MINIMUM	SF	SQUARE FEET
CAST IN PLACE	MIRL	MEDIUM INTENSITY RUNWAY LIGHTS	SHT	SHEET
CENTER LINE	MITL	MEDIUM INTENSITY TAXIWAY LIGHTS	SPA	SPACING
CORRUGATED METAL PIPE	MISC	MISCELLANEOUS	SPEC	SPECIFICATIONS
COUNTY	MON	MONUMENT	SPPWC	STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION
CONCRETE	MPH	MILES PER HOUR	SQ	SQUARE
CONNECT/CONNECTING	MUTCD	MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES	SS	SANITARY SEWER
CONSTRUCTION	N	NORTH	ST	STREET
CORNER	NAP	NOT A PART	STA	STATION
CITY OF SALINAS	NE	NORTHEAST	STD	STANDARD
CONCRETE PIPE	NGS	NATIONAL GEODETIC SURVEY	SW	SOUTHWEST
CENTER	NPI	NON-PAY ITEM	SWPPP	STORM WATER POLLUTION PREVENTION PLAN
CUBIC YARDS	No.	NUMBER	SY	SQUARE YARD
DEGREE OF CURVE	NOTAM	NOTICE TO AIRMEN	T	TANGENT (CURVE DATA)
DEPARTMENT	NPDES	NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM	TBA	TO BE ABANDONED
DETAIL	N.T.S.	NOT TO SCALE	TEL	TELEPHONE
DIAMETER	NW	NORTHWEST	TEMP	TEMPORARY
DIMENSION	NYL	YUMA INTERNATIONAL AIRPORT	TOFA	TAXIWAY OBJECT FREE AREA
DUCTILE IRON PIPE	OC	ON CENTER	TP	TOP OF PAVEMENT
DRAWING	OD	OUTSIDE DIAMETER	TSA	TAXIWAY SAFETY AREA
EAST	OFA	OBJECT FREE AREA	TYP	TYPICAL
EACH	PAPI	PRECISION APPROACH PATH INDICATOR	T/W or TWY	TAXIWAY
ELECTRIC or ELECTRICAL	PC	POINT OF CURVATURE	VCP	VITRIFIED CLAY PIPE
ELEVATION	PCC	POINT OF COMPOUND CURVATURE	W	WEST
EDGE OF PAVEMENT	PCCP	PORTLAND CEMENT CONCRETE PAVEMENT	W/	WITH
EASEMENT	PI	POINT OF INTERSECTION	WM	WATER METER
EACH WAY	PLS	PROFESSIONAL LAND SURVEYOR	WV	WATER VALVE
EXISTING	PCC	POINT OF CONNECTION	WWF	WELDED WIRE FABRIC
FEDERAL AVIATION ADMINISTRATION	PRC	POINT OF REVERSE CURVATURE		
FOREIGN OBJECT DEBRIS	PROP	PROPOSED		
FOUND	PRVC	POINT OF REVERSE VERTICAL CURVATURE		
FEDERAL EMERGENCY MANAGEMENT AGENCY	PSI	POUNDS PER SQUARE INCH		
FEMA	PT	POINT OF TANGENCY		
FINISHED GRADE				

2024, Apr. 10, 10:26am, NYL, 291346002, E=0.1, 26, Kimley-Horn and Associates, Inc. This document, together with the concepts and designs presented herein, is intended only for the specific purpose and client for which it was prepared. Reuse of any information contained herein without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

NO.	DATE	REVISION	BY	APPD.

Date	3/11/24
Designed	DT
Drawn	GB
Checked	JB

Kimley-Horn
 © 2023 KIMLEY-HORN AND ASSOCIATES, INC.
 1001 West Southern Avenue Suite 131
 Mesa, Arizona 85210
 (480) 207-2666

YUMA INTERNATIONAL AIRPORT
 YUMA, ARIZONA

63843
 JOSEPH D. BRADSHAW
 LICENSED PROFESSIONAL ENGINEER
 EXPIRES 3/31/26

Fly YUMA
 INTERNATIONAL AIRPORT

YUMA INTERNATIONAL AIRPORT
 NYL ACCESS CONTROL UPGRADES
 ELECTRICAL NOTES & LEGEND

PROJECT NO.	291346002
SHEET NO.	E-0.1
SHEET	2
TOTAL SHEETS	26



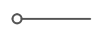
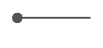
GENERAL NOTES:

1. DUE TO THE REQUIREMENTS TO INTERFACE WITH EXISTING FACILITIES AND UTILITIES, IT IS RECOMMENDED THAT THE CONTRACTOR VISIT THE SITE TO DETERMINE EXISTING CONDITIONS PRIOR TO BID.
2. VERIFY THE EXACT LOCATION AND ELEVATION OF ALL ELECTRICAL EQUIPMENT PRIOR TO ROUGH-IN. FINAL CONNECTIONS OF EQUIPMENT SHALL BE PER MANUFACTURERS APPROVED WIRING DIAGRAMS, DETAILS AND INSTRUCTIONS. THE ELECTRICAL CONTRACTOR SHALL PROVIDE MATERIALS AND EQUIPMENT COMPATIBLE WITH EQUIPMENT ACTUALLY SUPPLIED.
3. ORDER AND/OR RELEASE ORDERED MATERIALS PROMPTLY AFTER SUBMITTAL APPROVAL. NO SUBSTITUTIONS OR ALTERNATE METHODS OF INSTALLATION WILL BE ACCEPTED FOR FAILURE TO ORDER MATERIALS IN A TIMELY FASHION.

COMMUNICATIONS NOTES:

1. ALL OUTSIDE PLANT ABOVE GROUND CONDUIT SHALL BE GALVANIZED RIGID STEEL CONDUIT (GRC) AND ALL INSIDE PLANT ABOVE GROUND COMMUNICATIONS CONDUIT SHALL BE ELECTRICAL METALLIC TUBING (EMT) UNLESS OTHERWISE NOTED.
2. ALL CONDUIT (GRC AND EMT) WALL PENETRATIONS TO BE FIRE SEALED PER CODE.
3. ADD PULL BOXES, AS NECESSARY, TO ENSURE COMMUNICATIONS CONDUIT RUNS DO NOT EXCEED 180 DEGREES OF BENDS AND CONTAIN NO MORE THAN TWO 90 DEGREE ELBOWS BETWEEN PULL BOXES.
4. MINIMUM BEND RADII FOR 2-INCH CONDUIT AND SMALLER IS 6 TIMES INTERNAL CONDUIT DIAMETER AND THE MINIMUM BEND RADII FOR LARGER THAN 2-INCH CONDUIT IS 10 TIMES INTERNAL CONDUIT DIAMETER.
5. CONTRACTOR TO INSTALL 1,200 LB. TEST PULL STRING IN ALL COMMUNICATIONS CONDUITS, EXCEPT 4" CONDUITS. INSTALL 2,500 LB. TEST PULL STRING IN ALL 4" CONDUITS. PULL STRING TO BE SECURED AT BOTH ENDS.
6. CONTRACTOR TO INSTALL 4" X 4" X 2 3/8" DEEP OUTLET BOX WITH SINGLE-GANG MUD RING AT ALL COMMUNICATIONS LOCATIONS, UNLESS OTHERWISE NOTED.

LEGEND

-  PULL BOX
-  COMMUNICATIONS CABINET/RACK
- COM— COMMUNICATIONS CONDUIT
-  INDICATES CONDUIT TURNING UP OR TOWARDS THE VIEWER
-  INDICATES CONDUIT TURNING DOWN OR AWAY FROM THE VIEWER

ABBREVIATIONS

ACAMS	ACCESS CONTROL AND DEVICE MONITORING SYSTEM
ACS	ACCESS CONTROL SYSTEM COMPONENT OF ACAMS
ATC	AUTOMATED TRAIN CONTROL
CITY COMM	CITY COMMUNICATIONS
DM	DEVICE MONITORING COMPONENT OF ACAMS
ENT	ENTRANCE
EVDS	ELECTRONIC VISUAL DISPLAY SYSTEM (FIDS AND ADVERTISING USE)
EXT	EXISTING
FIDS	FLIGHT INFORMATION DISPLAY SYSTEM APPLICATION OF EVDS
ITS	INFORMATION TECHNOLOGY SYSTEMS
PA	PUBLIC ADDRESS SYSTEM
PEDS	PASSENGER EMERGENCY AND DURESS SYSTEM
TBG	TELECOMMUNICATIONS GROUND BUSBAR

2024, Apr 11, 10:26 AM, NYL Access Control Upgrades, E-0.2, 291346002, 3/11/24, DT, GB, JB, Kimley-Horn and Associates, Inc. This document, together with the concepts and designs presented herein, is intended only for the specific purpose and client for which it was prepared. Reuse of any information on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



NO.	DATE	REVISION	BY	APPD.

Date	3/11/24
Designed	DT
Drawn	GB
Checked	JB



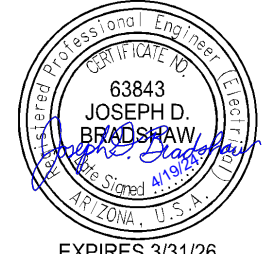
 © 2023 KIMLEY-HORN AND ASSOCIATES, INC.

 1001 West Southern Avenue Suite 131

 Mesa, Arizona 85210

 (480) 207-2666

YUMA
INTERNATIONAL
AIRPORT
YUMA, ARIZONA



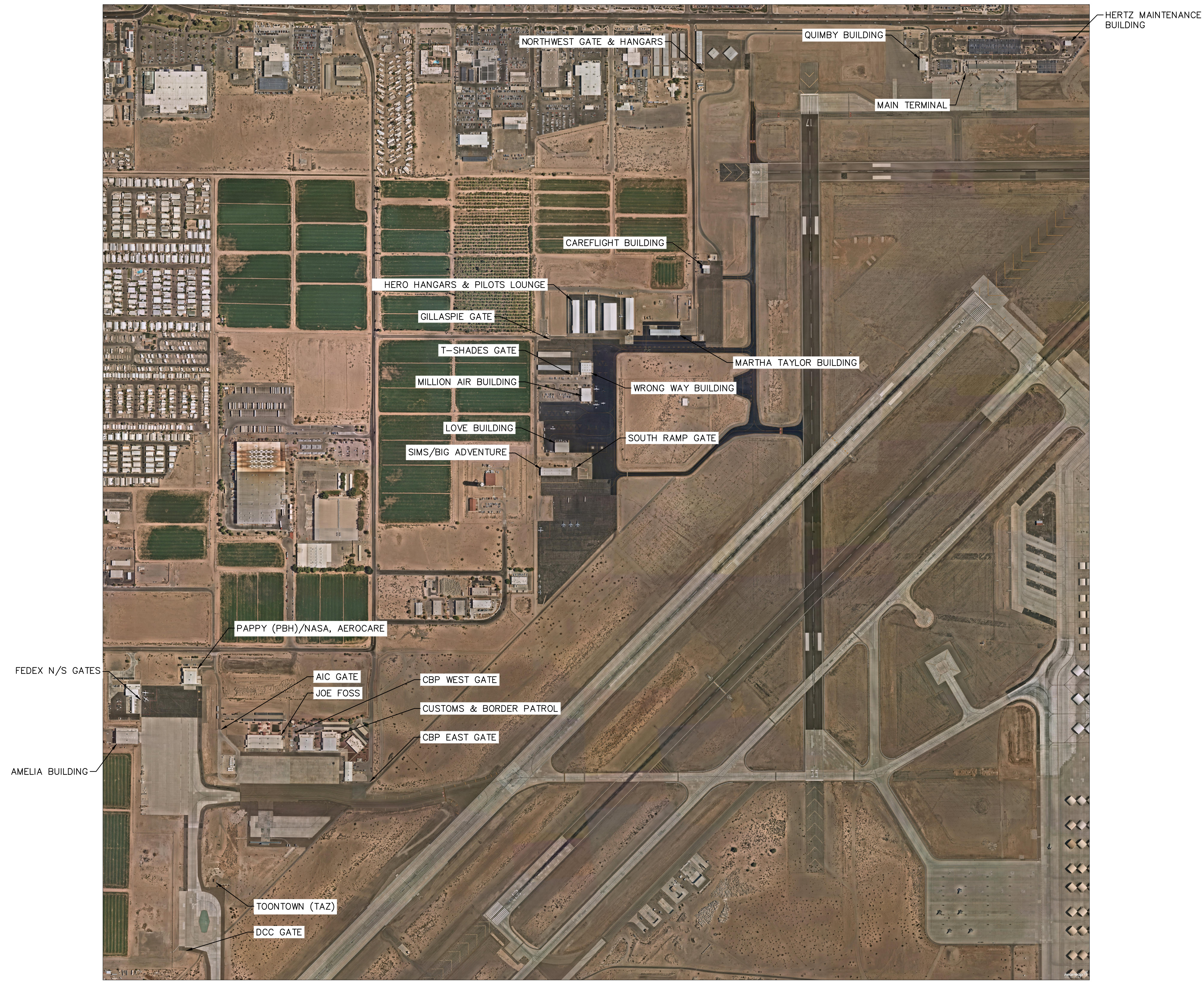
 EXPIRES 3/31/26



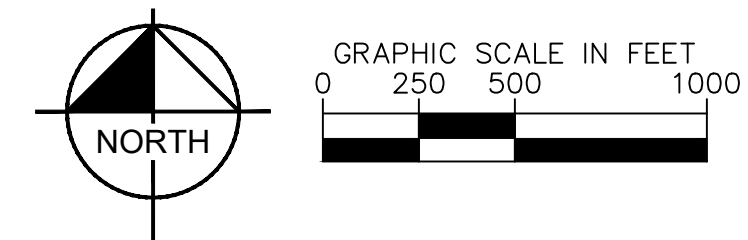
YUMA INTERNATIONAL AIRPORT
 NYL ACCESS CONTROL UPGRADES
 COMMUNICATION NOTES & LEGEND

PROJECT NO.	291346002
SHEET NO.	E-0.2
SHEET	3
TOTAL SHEETS	26

2024, Apr. 10, 10:16 AM. This document is the property of Kimley-Horn and Associates, Inc. and is intended only for the specific purpose and client for which it was prepared. Reuse of this document, together with the concepts and designs presented herein, as an instrument of service, is prohibited without the written authorization and approval of Kimley-Horn and Associates, Inc. All rights reserved.



1 SITE MAP



YUMA INTERNATIONAL AIRPORT
 NYL ACCESS CONTROL UPGRADES
 SITE MAP

PROJECT NO. 291346002	
SHEET NO. E-1.0	
SHEET 4	TOTAL SHEETS 26

NO.	DATE	REVISION	BY	APPD.

Date 3/11/24
 Designed DT
 Drawn GB
 Checked JB

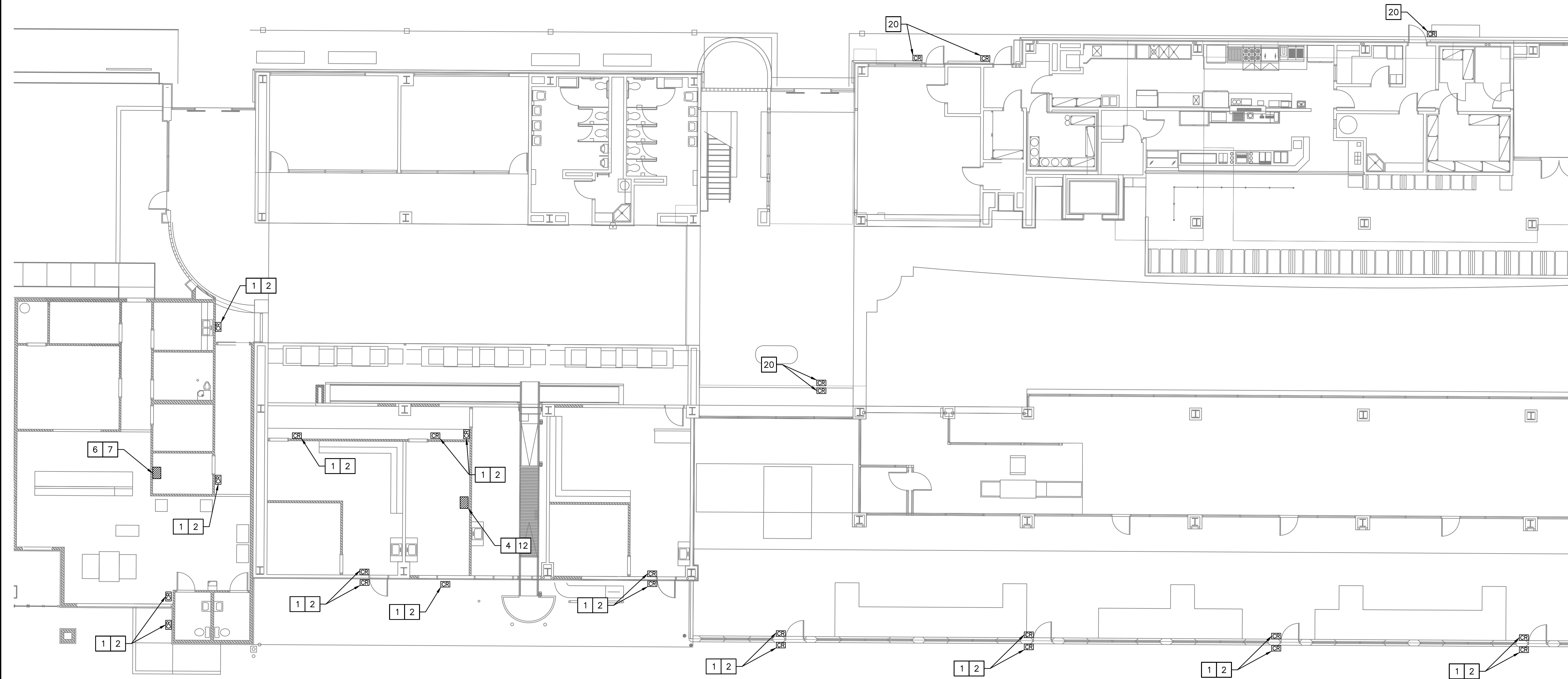
Kimley»Horn
 © 2023 KIMLEY-HORN AND ASSOCIATES, INC.
 1001 West Southern Avenue Suite 131
 Mesa, Arizona 85210
 (480) 207-2666

YUMA
 INTERNATIONAL
 AIRPORT
 YUMA, ARIZONA

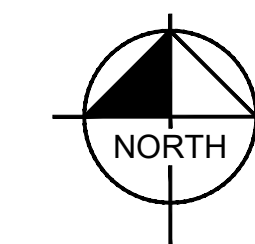
63843
 JOSEPH D.
 BRADSHAW
 PROFESSIONAL ENGINEER
 STATE OF ARIZONA
 EXPIRES 3/31/26

COMMUNICATIONS NOTES

- 1 REMOVE EXISTING ACCESS KEYPAD. PROTECT IN PLACE EXISTING CABLING, AND CONDUIT.
- 2 PROVIDE NEW SINGO 40 CARD READER WITH KEYPAD, MODEL #40KNKS-T2-00000, OR APPROVED EQUAL. REUSE ALL EXISTING CABLING FROM REMOVED CARD READER AND CONNECT FOR COMPLETE SYSTEM.
- 4 REMOVE EXISTING CATALYST 2960 NETWORK SWITCH. PROTECT IN PLACE EXISTING CABLING AND CONDUIT.
- 6 REMOVE EXISTING DSX CONTROL CABINET AND ALL ASSOCIATED EQUIPMENT. PROTECT IN PLACE EXISTING CABLING AND CONDUIT.
- 7 PROVIDE LENEL ONGUARD CABINET, MODEL #LSP-16DR-BP8M2, OR APPROVED EQUAL. RECONNECT ALL EXISTING CABLING FROM REMOVED CONTROL CABINET FOR COMPLETE SYSTEM.
- 12 PROVIDE FORTINET NETWORK SWITCH, MODEL #FS-124F-FPOE, OR APPROVED EQUAL. RECONNECT ALL EXISTING CABLING FROM REMOVED NETWORK SWITCH FOR COMPLETE SYSTEM.
- 20 PROVIDE NEW SINGO 40 CARD READER WITH KEYPAD, MODEL #40KNKS-T2-00000, OR APPROVED EQUAL. NEW CABLING TO BE INSTALLED FOR POWER AND COMMUNICATIONS. CONTRACTOR TO COORDINATE POWER AND COMMUNICATION CONNECTIONS WITH AIRPORT.



1 AIRPORT TERMINAL 1ST FLOOR



KEY PLAN

2024, Apr 10, 10:46 AM. NYL Access Control Upgrades. See notes, attachments for CAD, comments, etc. This drawing is for the specific purpose and client for which it was prepared. Reuse of any portion of this drawing without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

NO.	DATE	REVISION	BY	APPD.

Date 3/11/24
 Designed DT
 Drawn GB
 Checked JB

Kimley»Horn
 © 2023 KIMLEY-HORN AND ASSOCIATES, INC.
 1001 West Southern Avenue Suite 131
 Mesa, Arizona 85210
 (480) 207-2666

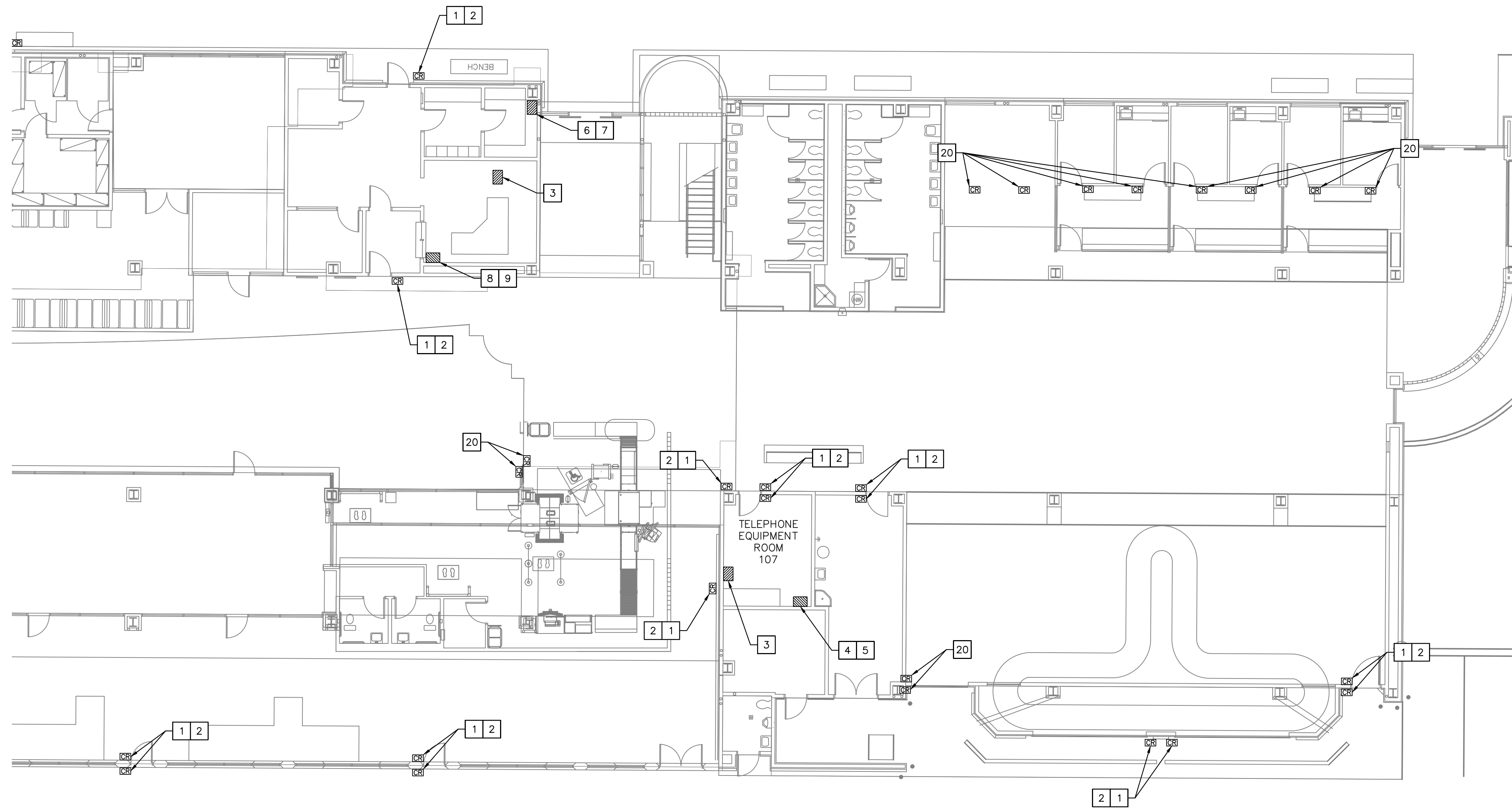
YUMA
 INTERNATIONAL
 AIRPORT
 YUMA, ARIZONA

YUMA INTERNATIONAL AIRPORT
 NYL ACCESS CONTROL UPGRADES
 AIRPORT TERMINAL 1ST FLOOR

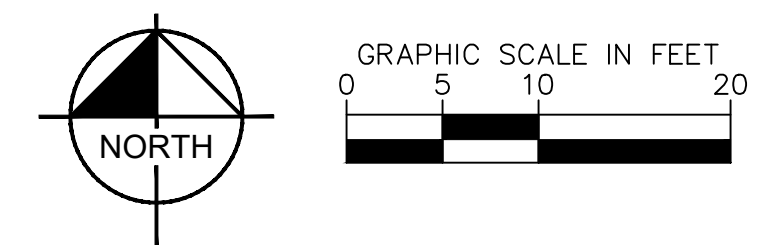
PROJECT NO. 291346002	TOTAL SHEETS 26
SHEET NO. E-1.1	
SHEET 5	

COMMUNICATIONS NOTES

- 1 REMOVE EXISTING ACCESS KEYPAD. PROTECT IN PLACE EXISTING CABLING, AND CONDUIT.
- 2 PROVIDE NEW SIGNO 40 CARD READER WITH KEYPAD, MODEL #40KNKS-T2-000000, OR APPROVED EQUAL. REUSE ALL EXISTING CABLING FROM REMOVED CARD READER AND CONNECT FOR COMPLETE SYSTEM.
- 3 REMOVE EXISTING NETWORK SWITCH. ROUTE ALL CONNECTIONS TO NEW NETWORK SWITCH.
- 4 REMOVE EXISTING CATALYST 2960 NETWORK SWITCH. PROTECT IN PLACE EXISTING CABLING AND CONDUIT.
- 5 PROVIDE FORTINET NETWORK SWITCH, MODEL #FS-148F-FPOE, OR APPROVED EQUAL. RECONNECT ALL EXISTING CABLING FROM REMOVED NETWORK SWITCH FOR COMPLETE SYSTEM.
- 6 REMOVE EXISTING DSX CONTROL CABINET AND ALL ASSOCIATED EQUIPMENT. PROTECT IN PLACE EXISTING CABLING AND CONDUIT.
- 7 PROVIDE LENEEL ONGUARD CABINET, MODEL #LSP-16DR-BP8M2, OR APPROVED EQUAL. RECONNECT ALL EXISTING CABLING FROM REMOVED CONTROL CABINET FOR COMPLETE SYSTEM.
- 8 PROVIDE 24"H X 24"W X 24"D CUTE-IT WALL MOUNTED CABINET.
- 9 PROVIDE FORTINET NETWORK SWITCH, MODEL #FS-148F-FPOE, OR APPROVED EQUAL. RECONNECT ALL WORKSTATIONS IN ROOM TO NEW SWITCH. PROVIDE ALL CABLING AND CONDUIT AS NEEDED FOR COMPLETE SYSTEM.
- 20 PROVIDE NEW SIGNO 40 CARD READER WITH KEYPAD, MODEL #40KNKS-T2-000000, OR APPROVED EQUAL. NEW CABLING TO BE INSTALLED FOR POWER AND COMMUNICATIONS. CONTRACTOR TO COORDINATE POWER AND COMMUNICATION CONNECTIONS WITH AIRPORT.



1 AIRPORT TERMINAL 1ST FLOOR



2024, Apr. 10, 10:45 AM. NYL Access Control Upgrades. See notes attached to this drawing for the specific purpose and client for which it was prepared. Reuse of any information on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

NO.	DATE	REVISION	BY	APPD.

Date 3/11/24
 Designed DT
 Drawn GB
 Checked JB

Kimley-Horn
 © 2023 KIMLEY-HORN AND ASSOCIATES, INC.
 1001 West Southern Avenue Suite 131
 Mesa, Arizona 85210
 (480) 207-2666

YUMA
 INTERNATIONAL
 AIRPORT
 YUMA, ARIZONA

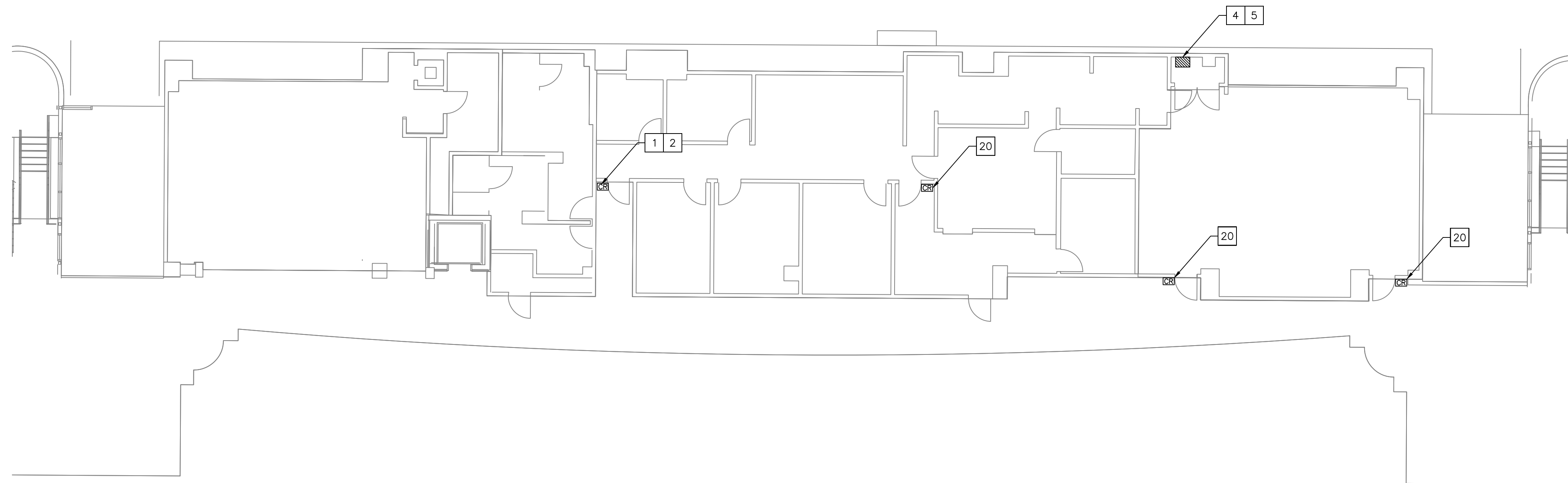


YUMA INTERNATIONAL AIRPORT
 NYL ACCESS CONTROL UPGRADES
 AIRPORT TERMINAL 1ST FLOOR

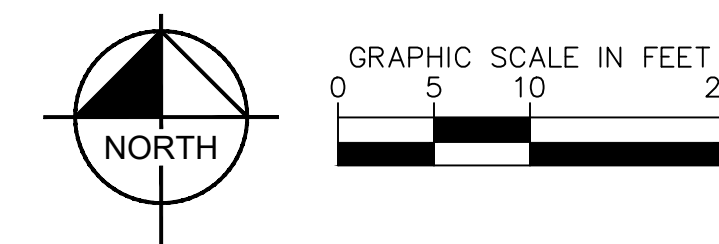
PROJECT NO. 291346002	TOTAL SHEETS 26
SHEET NO. E-1.2	
SHEET 6	

COMMUNICATIONS NOTES

- 1 REMOVE EXISTING ACCESS KEYPAD. PROTECT IN PLACE EXISTING CABLING, AND CONDUIT.
- 2 PROVIDE NEW SIGNO 40 CARD READER WITH KEYPAD, MODEL #40KNKS-T2-000000, OR APPROVED EQUAL. REUSE ALL EXISTING CABLING FROM REMOVED CARD READER AND CONNECT FOR COMPLETE SYSTEM.
- 4 REMOVE EXISTING CATALYST 2960 NETWORK SWITCH. PROTECT IN PLACE EXISTING CABLING AND CONDUIT.
- 5 PROVIDE FORTINET NETWORK SWITCH, MODEL #FS-148F-FPOE, OR APPROVED EQUAL. RECONNECT ALL EXISTING CABLING FROM REMOVED NETWORK SWITCH FOR COMPLETE SYSTEM.
- 20 PROVIDE NEW SIGNO 40 CARD READER WITH KEYPAD, MODEL #40KNKS-T2-000000, OR APPROVED EQUAL. NEW CABLING TO BE INSTALLED FOR POWER AND COMMUNICATIONS. CONTRACTOR TO COORDINATE POWER AND COMMUNICATION CONNECTIONS WITH AIRPORT.



1 AIRPORT TERMINAL 2ND FLOOR



KEY PLAN

2024, Apr. 10, 10:30am. NYL Access Control Upgrades. 2D Floor. Airport Terminal 2nd Floor. This document is the property of Kimley-Horn and Associates, Inc. and is intended for the specific purpose and client for which it was prepared. Reuse of any information contained herein without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

NO.	DATE	REVISION	BY	APPD.

Date 3/11/24
 Designed DT
 Drawn GB
 Checked JB

Kimley»Horn
 © 2023 KIMLEY-HORN AND ASSOCIATES, INC.
 1001 West Southern Avenue Suite 131
 Mesa, Arizona 85210
 (480) 207-2666

YUMA
 INTERNATIONAL
 AIRPORT
 YUMA, ARIZONA



YUMA INTERNATIONAL AIRPORT
 NYL ACCESS CONTROL UPGRADES
 AIRPORT TERMINAL 2ND FLOOR

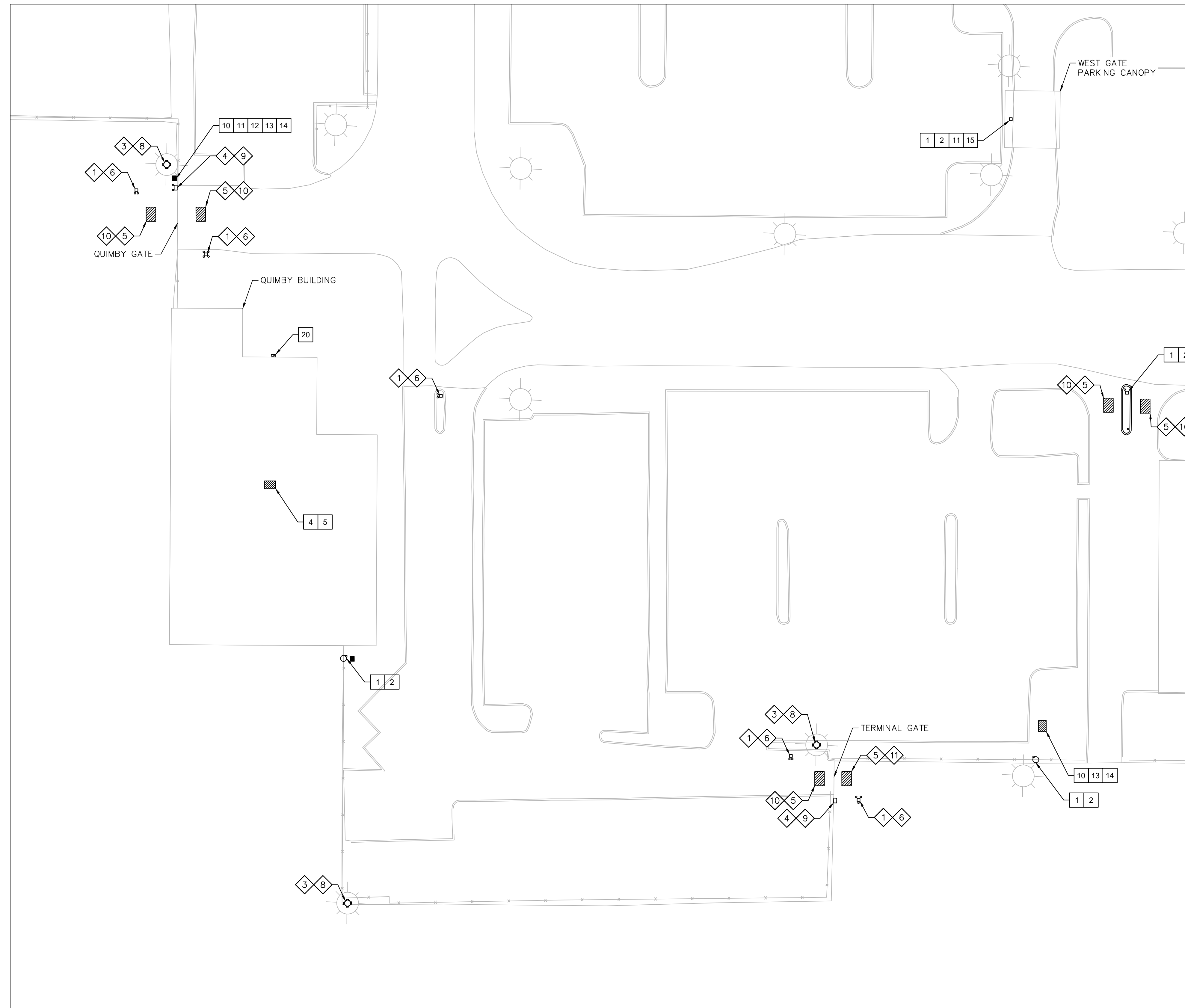
PROJECT NO. 291346002	TOTAL SHEETS 26
SHEET NO. E-1.3	
SHEET 7	

ELECTRICAL NOTES

- 1 REMOVE EXISTING ACCESS KEYPAD. PROTECT IN PLACE EXISTING CABLING, CONDUIT, AND PEDESTAL.
- 3 REMOVE EXISTING CAMERA FROM POLE. PROTECT IN PLACE EXISTING CABLING AND CONDUIT.
- 4 REMOVE EXISTING ACCESS GATE OPERATOR. PROTECT IN PLACE EXISTING CABLING AND CONDUIT.
- 5 REMOVE EXISTING VEHICLE DETECTION LOOP FROM BELOW SURFACE. PROTECT CABLING AND CONDUIT IN PLACE.
- 6 INSTALL NEW KEYPAD, SIGNO 40 MODEL #40KNKS-T2-000000, OR APPROVED EQUAL, ON EXISTING PEDESTAL. RECONNECT EXISTING CABLING WITHIN EXISTING CONDUITS.
- 8 INSTALL NEW CAMERA, 17-AXIS MODEL #P3719-PLC, OR APPROVED EQUAL, ON EXISTING POLE. RECONNECT EXISTING CABLING WITHIN EXISTING CONDUITS. SEE DETAIL 3 ON SHEET 25 FOR ADDITIONAL INFORMATION.
- 9 INSTALL NEW GATE OPERATOR, HYSECURITY SLIDE DRIVER 40 MODEL #222E81, OR APPROVED EQUAL. RECONNECT EXISTING CABLING WITHIN EXISTING CONDUITS.
- 10 INSTALL NEW VEHICLE DETECTION LOOP IN EXISTING ASPHALT. RECONNECT EXISTING CABLING WITHIN EXISTING CONDUITS.
- 11 INSTALL NEW VEHICLE DETECTION LOOP IN EXISTING CONCRETE. RECONNECT EXISTING CABLING WITHIN EXISTING CONDUITS.

COMMUNICATIONS NOTES

- 1 REMOVE EXISTING ACCESS KEYPAD. PROTECT IN PLACE EXISTING CABLING, AND CONDUIT.
- 2 PROVIDE NEW SIGNO 40 CARD READER WITH KEYPAD, MODEL #40KNKS-T2-000000, OR APPROVED EQUAL. REUSE ALL EXISTING CABLING FROM REMOVED CARD READER AND CONNECT FOR COMPLETE SYSTEM.
- 4 REMOVE EXISTING CATALYST 2960 NETWORK SWITCH. PROTECT IN PLACE EXISTING CABLING AND CONDUIT.
- 5 PROVIDE FORTINET NETWORK SWITCH, MODEL #FS-148F-FPOE, OR APPROVED EQUAL. RECONNECT ALL EXISTING CABLING FROM REMOVED NETWORK SWITCH FOR COMPLETE SYSTEM.
- 10 EXISTING COMMUNICATIONS CABINET TO REMAIN IN PLACE. CONTRACTOR SHALL PERFORM PREVENTATIVE MAINTENANCE FOR EXISTING COMMUNICATIONS EQUIPMENT THAT SHALL INCLUDE INSPECTION OF PHYSICAL AND MECHANICAL CONDITION AND REMOVAL OF DIRT/DEBRIS FROM UNIT.
- 11 REMOVE EXISTING NETWORK SWITCH IN EXISTING CABINET. PROTECT IN PLACE ALL CABLING AND CONDUIT.
- 12 PROVIDE FORTINET NETWORK SWITCH, MODEL #FS-124F-FPOE, OR APPROVED EQUAL. RECONNECT ALL EXISTING CABLING FROM REMOVED NETWORK SWITCH FOR COMPLETE SYSTEM.
- 13 REMOVE EXISTING DSX CONTROLLER AND ALL ASSOCIATED EQUIPMENT. PROTECT IN PLACE EXISTING CABLING AND CONDUIT.
- 14 PROVIDE LENEL ONGUARD CONTROLLER MODEL #LNL-1320-S3, OR APPROVED EQUAL. RECONNECT ALL EXISTING CABLING FROM REMOVED CONTROLLER SWITCH FOR COMPLETE SYSTEM.
- 15 PROVIDE FORTINET NETWORK SWITCH, MODEL #FSR-112D-POE, OR APPROVED EQUAL. RECONNECT ALL EXISTING CABLING FROM REMOVED NETWORK SWITCH FOR COMPLETE SYSTEM.



1 WEST TERMINAL SITE PLAN



KEY PLAN

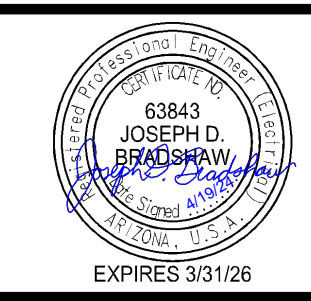
2024, Apr. 10, 10:30am. NYL Access Control Upgrades. E-1.4. This document is the property of Kimley-Horn and Associates, Inc. (KHA). It is to be used for the specific purpose and client for which it was prepared. Reuse of this document, in whole or in part, for any other project without the written authorization and approval of Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

NO.	DATE	REVISION	BY	APPD.

Date 3/11/24
 Designed DT
 Drawn GB
 Checked JB

Kimley»Horn
 © 2023 KIMLEY-HORN AND ASSOCIATES, INC.
 1001 West Southern Avenue Suite 131
 Mesa, Arizona 85210
 (480) 207-2666

YUMA
 INTERNATIONAL
 AIRPORT
 YUMA, ARIZONA



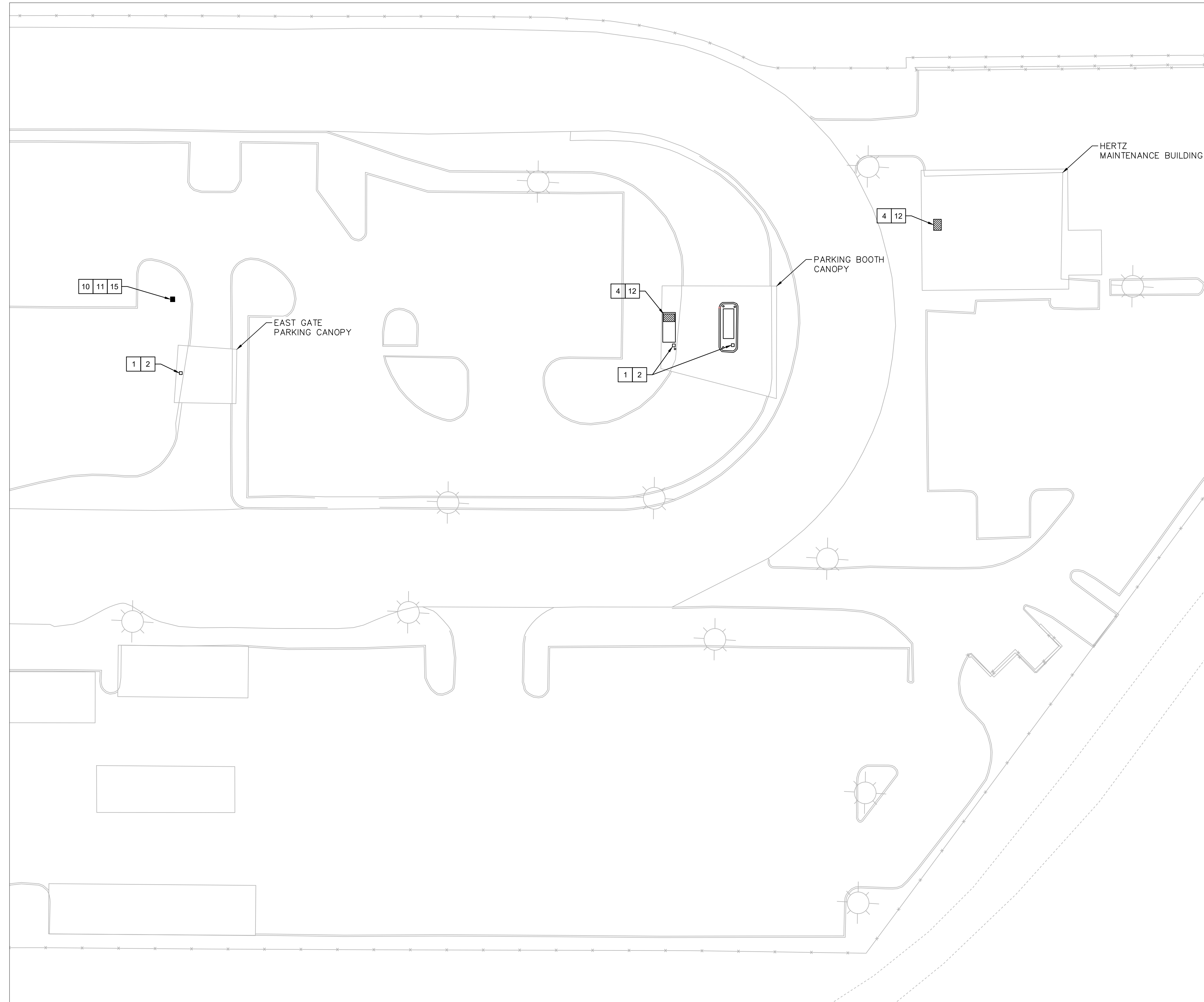
YUMA INTERNATIONAL AIRPORT
 NYL ACCESS CONTROL UPGRADES
 WEST TERMINAL SITE PLAN

PROJECT NO. 291346002	TOTAL SHEETS 26
SHEET NO. E-1.4	
SHEET 8	

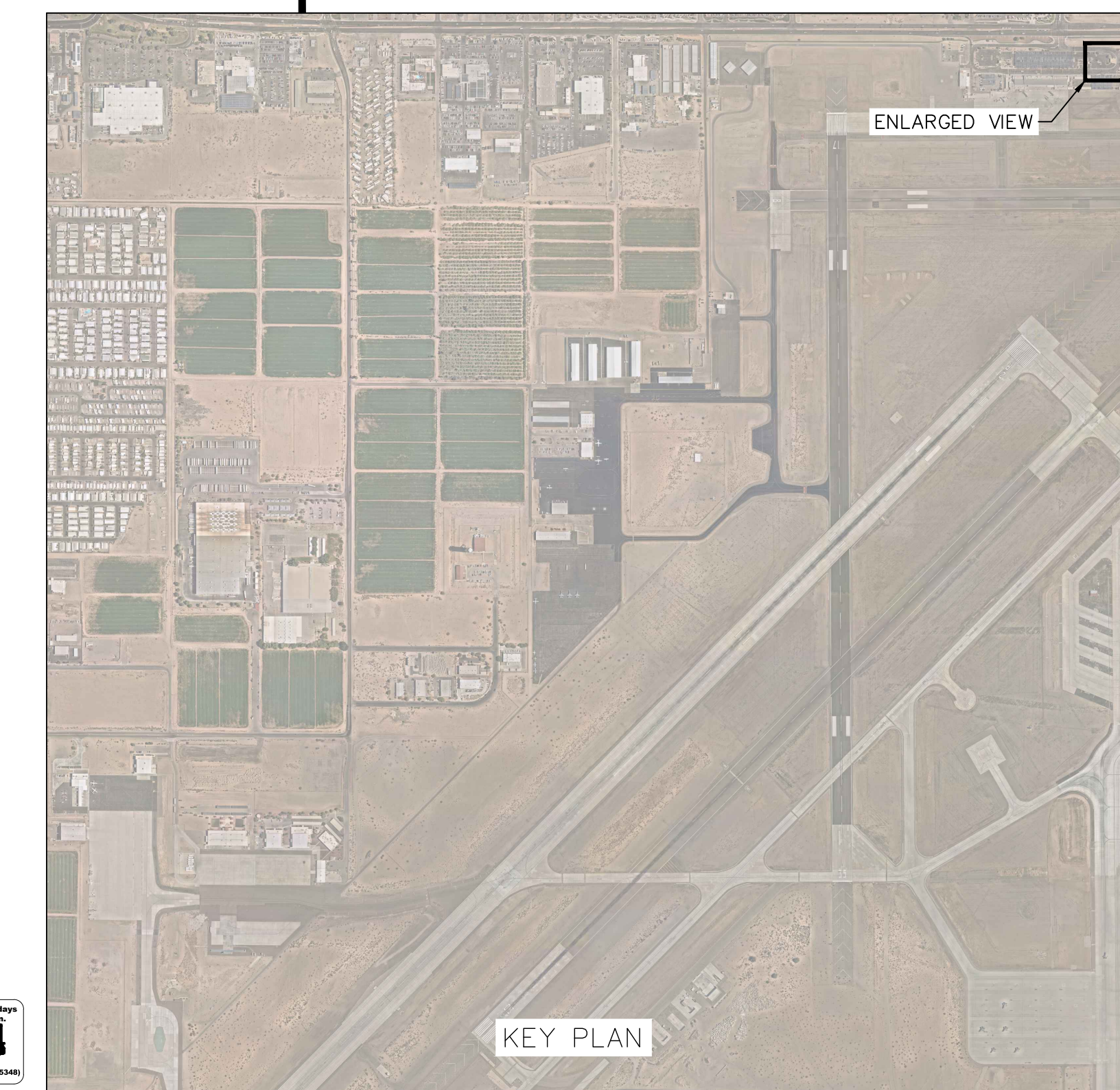
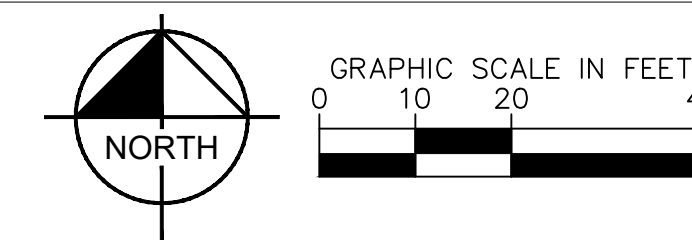
ELECTRICAL NOTES

COMMUNICATIONS NOTES

- 1 REMOVE EXISTING ACCESS KEYPAD. PROTECT IN PLACE EXISTING CABLING, AND CONDUIT.
- 2 PROVIDE NEW SIGNO 40 CARD READER WITH KEYPAD, MODEL #40KNKS-T2-000000, OR APPROVED EQUAL. REUSE ALL EXISTING CABLING FROM REMOVED CARD READER AND CONNECT FOR COMPLETE SYSTEM.
- 4 REMOVE EXISTING CATALYST 2960 NETWORK SWITCH. PROTECT IN PLACE EXISTING CABLING AND CONDUIT.
- 10 EXISTING COMMUNICATIONS CABINET TO REMAIN IN PLACE. CONTRACTOR SHALL PERFORM PREVENTATIVE MAINTENANCE FOR EXISTING COMMUNICATIONS EQUIPMENT THAT SHALL INCLUDE INSPECTION OF PHYSICAL AND MECHANICAL CONDITION AND REMOVAL OF DIRT/DEBRIS FROM UNIT.
- 11 REMOVE EXISTING NETWORK SWITCH IN EXISTING CABINET. PROTECT IN PLACE ALL CABLING AND CONDUIT.
- 12 PROVIDE FORTINET NETWORK SWITCH, MODEL #FS-124F-FPOE, OR APPROVED EQUAL. RECONNECT ALL EXISTING CABLING FROM REMOVED NETWORK SWITCH FOR COMPLETE SYSTEM.
- 15 PROVIDE FORTINET NETWORK SWITCH, MODEL #FSR-112D-POE, OR APPROVED EQUAL. RECONNECT ALL EXISTING CABLING FROM REMOVED NETWORK SWITCH FOR COMPLETE SYSTEM.



1 EAST TERMINAL SITE PLAN



KEY PLAN

2024, Apr 10, 10:30am, NYL Access Control Upgrades, E-1.5, Key Plan, updated by: CAV, reviewed by: DT, for the specific purpose and client for which it was prepared. Reuse of any information on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

NO.	DATE	REVISION	BY	APPD.

Date 3/11/24
 Designed DT
 Drawn GB
 Checked JB

Kimley»Horn
 © 2023 KIMLEY-HORN AND ASSOCIATES, INC.
 1001 West Southern Avenue Suite 131
 Mesa, Arizona 85210
 (480) 207-2666

YUMA INTERNATIONAL AIRPORT
 YUMA, ARIZONA

PROJECT NO. 291346002
SHEET NO. E-1.5
SHEET <u>9</u> TOTAL SHEETS <u>26</u>

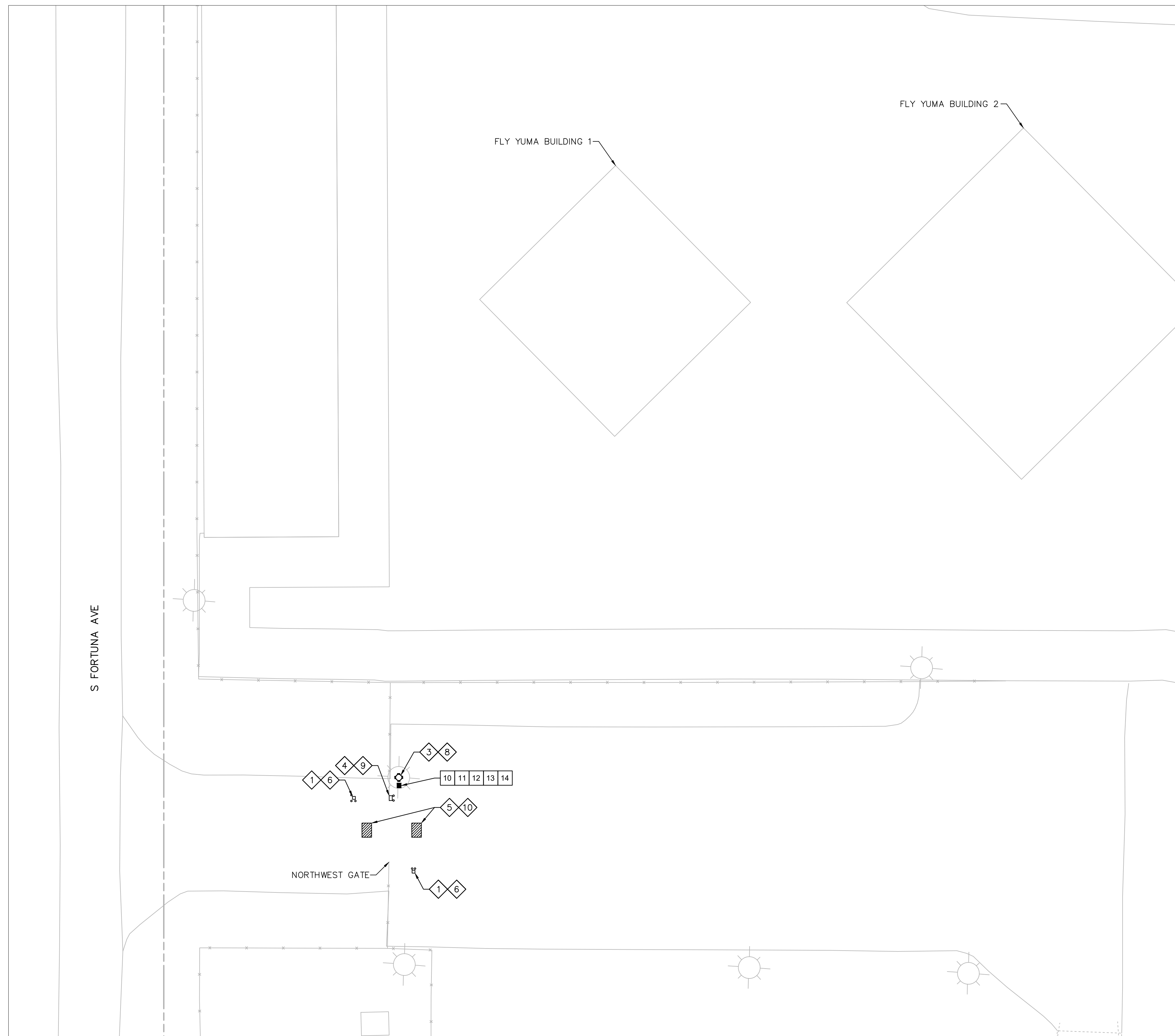


ELECTRICAL NOTES

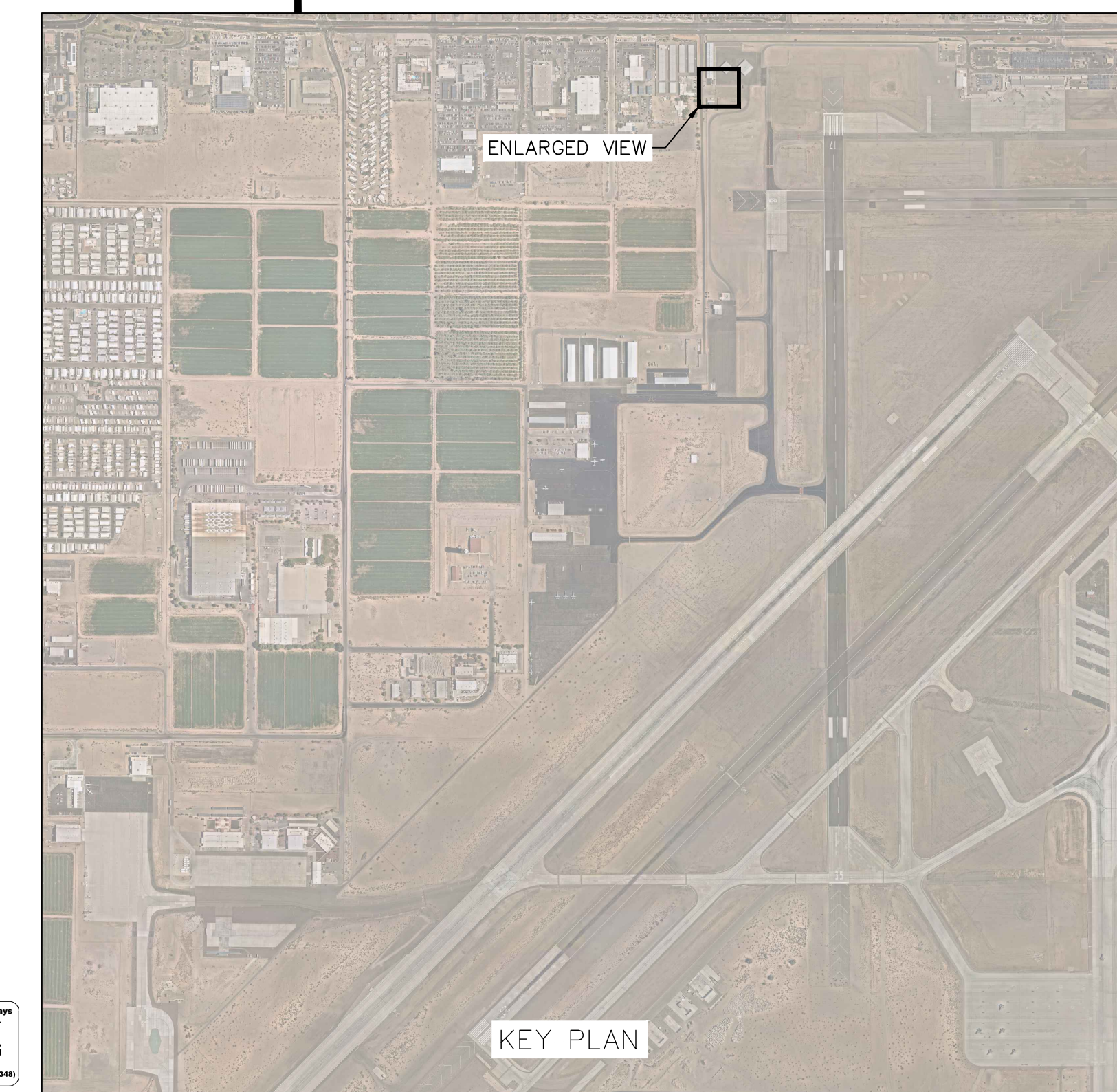
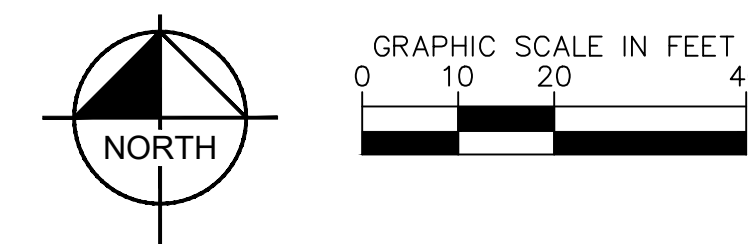
- 1 REMOVE EXISTING ACCESS KEYPAD. PROTECT IN PLACE EXISTING CABLING, CONDUIT, AND PEDESTAL.
- 3 REMOVE EXISTING CAMERA FROM POLE. PROTECT IN PLACE EXISTING CABLING AND CONDUIT.
- 4 REMOVE EXISTING ACCESS GATE OPERATOR. PROTECT IN PLACE EXISTING CABLING AND CONDUIT.
- 5 REMOVE EXISTING VEHICLE DETECTION LOOP FROM BELOW SURFACE. PROTECT CABLING AND CONDUIT IN PLACE.
- 6 INSTALL NEW KEYPAD, SIGNO 40 MODEL #40KNKS-T2-000000, OR APPROVED EQUAL, ON EXISTING PEDESTAL. RECONNECT EXISTING CABLING WITHIN EXISTING CONDUITS.
- 8 INSTALL NEW CAMERA, 17-AXIS MODEL #P3719-PLC, OR APPROVED EQUAL, ON EXISTING POLE. RECONNECT EXISTING CABLING WITHIN EXISTING CONDUITS. SEE DETAIL 3 ON SHEET 25 FOR ADDITIONAL INFORMATION.
- 9 INSTALL NEW GATE OPERATOR, HYSECURITY SLIDE DRIVER 40 MODEL #222E81, OR APPROVED EQUAL. RECONNECT EXISTING CABLING WITHIN EXISTING CONDUITS.
- 10 INSTALL NEW VEHICLE DETECTION LOOP IN EXISTING ASPHALT. RECONNECT EXISTING CABLING WITHIN EXISTING CONDUITS.

COMMUNICATIONS NOTES

- 10 EXISTING COMMUNICATIONS CABINET TO REMAIN IN PLACE. CONTRACTOR SHALL PERFORM PREVENTATIVE MAINTENANCE FOR EXISTING COMMUNICATIONS EQUIPMENT THAT SHALL INCLUDE INSPECTION OF PHYSICAL AND MECHANICAL CONDITION AND REMOVAL OF DIRT/DEBRIS FROM UNIT.
- 11 REMOVE EXISTING NETWORK SWITCH IN EXISTING CABINET. PROTECT IN PLACE ALL CABLING AND CONDUIT.
- 12 PROVIDE FORTINET NETWORK SWITCH, MODEL #FS-124F-FPOE, OR APPROVED EQUAL. RECONNECT ALL EXISTING CABLING FROM REMOVED NETWORK SWITCH FOR COMPLETE SYSTEM.
- 13 REMOVE EXISTING DSX CONTROLLER AND ALL ASSOCIATED EQUIPMENT. PROTECT IN PLACE EXISTING CABLING AND CONDUIT.
- 14 PROVIDE LEVEL ONGUARD CONTROLLER MODEL #LNL-1320-S3, OR APPROVED EQUAL. RECONNECT ALL EXISTING CABLING FROM REMOVED CONTROLLER SWITCH FOR COMPLETE SYSTEM.



1 **NORTHWEST GATE SITE PLAN**



2024, Apr. 10, 10:51am, NYL Access Control Upgrades, E-1.6, Kimley-Horn and Associates, Inc. (KHA) prepared this drawing for the specific purpose and client for which it was prepared. Reuse of any information on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

NO.	DATE	REVISION	BY	APPD.

Date 3/11/24
 Designed DT
 Drawn GB
 Checked JB

Kimley»Horn
 © 2023 KIMLEY-HORN AND ASSOCIATES, INC.
 1001 West Southern Avenue Suite 131
 Mesa, Arizona 85210
 (480) 207-2666

YUMA INTERNATIONAL AIRPORT
 YUMA, ARIZONA

PROJECT NO. 291346002
 SHEET NO. E-1.6
 SHEET 10 TOTAL SHEETS 26

YUMA INTERNATIONAL AIRPORT
 NYL ACCESS CONTROL UPGRADES
 NORTHWEST GATE SITE PLAN

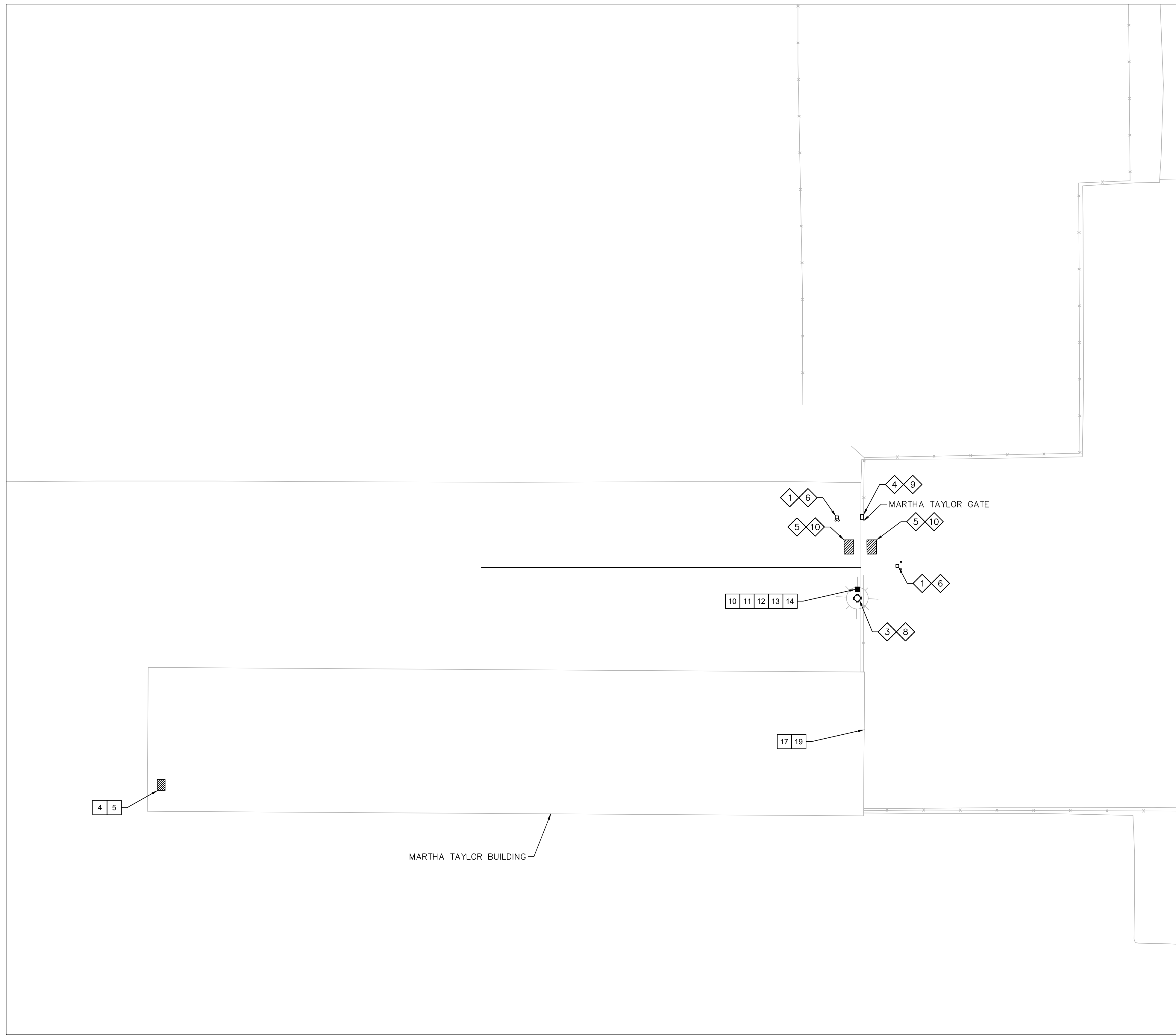
PROJECT NO. 291346002
 SHEET NO. E-1.6
 SHEET 10 TOTAL SHEETS 26

ELECTRICAL NOTES

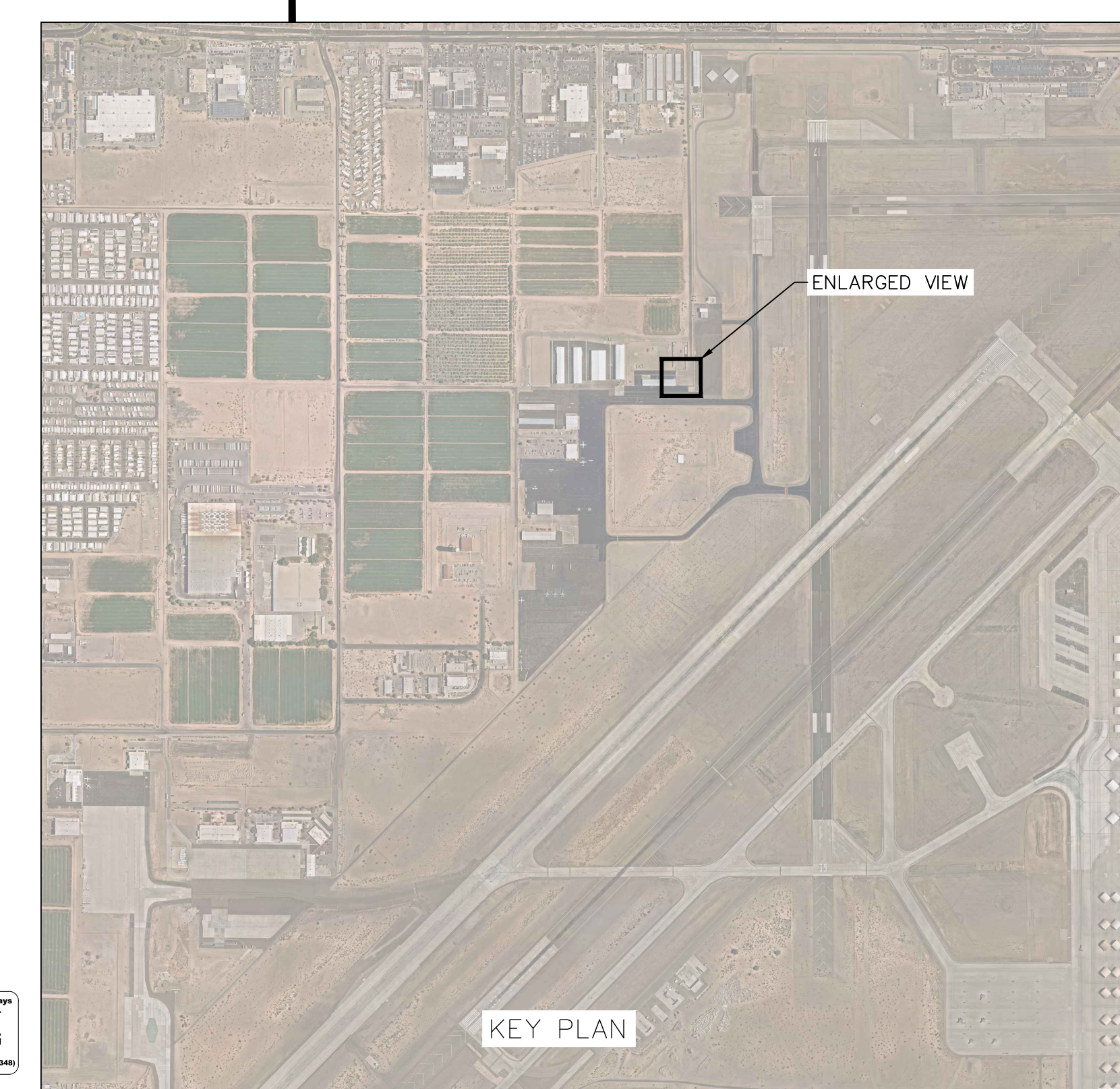
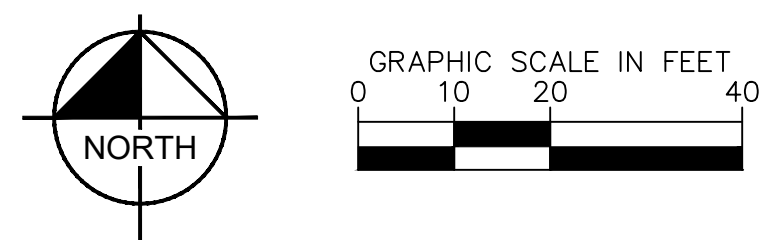
- 1 REMOVE EXISTING ACCESS KEYPAD. PROTECT IN PLACE EXISTING CABLING, CONDUIT, AND PEDESTAL.
- 3 REMOVE EXISTING CAMERA FROM POLE. PROTECT IN PLACE EXISTING CABLING AND CONDUIT.
- 4 REMOVE EXISTING ACCESS GATE OPERATOR. PROTECT IN PLACE EXISTING CABLING AND CONDUIT.
- 5 REMOVE EXISTING VEHICLE DETECTION LOOP FROM BELOW SURFACE. PROTECT CABLING AND CONDUIT IN PLACE.
- 6 INSTALL NEW KEYPAD, SIGNO 40 MODEL #40KNKS-T2-000000, OR APPROVED EQUAL, ON EXISTING PEDESTAL. RECONNECT EXISTING CABLING WITHIN EXISTING CONDUITS.
- 8 INSTALL NEW CAMERA, 17-AXIS MODEL #P3719-PLC, OR APPROVED EQUAL, ON EXISTING POLE. RECONNECT EXISTING CABLING WITHIN EXISTING CONDUITS. SEE DETAIL 3 ON SHEET 25 FOR ADDITIONAL INFORMATION.
- 9 INSTALL NEW GATE OPERATOR, HYSECURITY SLIDE DRIVER 40 MODEL #222E81, OR APPROVED EQUAL. RECONNECT EXISTING CABLING WITHIN EXISTING CONDUITS.
- 10 INSTALL NEW VEHICLE DETECTION LOOP IN EXISTING ASPHALT. RECONNECT EXISTING CABLING WITHIN EXISTING CONDUITS.

COMMUNICATIONS NOTES

- 4 REMOVE EXISTING CATALYST 2960 NETWORK SWITCH. PROTECT IN PLACE EXISTING CABLING AND CONDUIT.
- 5 PROVIDE FORTINET NETWORK SWITCH, MODEL #FS-148F-FPOE, OR APPROVED EQUAL. RECONNECT ALL EXISTING CABLING FROM REMOVED NETWORK SWITCH FOR COMPLETE SYSTEM.
- 10 EXISTING COMMUNICATIONS CABINET TO REMAIN IN PLACE. CONTRACTOR SHALL PERFORM PREVENTATIVE MAINTENANCE FOR EXISTING COMMUNICATIONS EQUIPMENT THAT SHALL INCLUDE INSPECTION OF PHYSICAL AND MECHANICAL CONDITION AND REMOVAL OF DIRT/DEBRIS FROM UNIT.
- 11 REMOVE EXISTING NETWORK SWITCH IN EXISTING CABINET. PROTECT IN PLACE ALL CABLING AND CONDUIT.
- 12 PROVIDE FORTINET NETWORK SWITCH, MODEL #FS-124F-FPOE, OR APPROVED EQUAL. RECONNECT ALL EXISTING CABLING FROM REMOVED NETWORK SWITCH FOR COMPLETE SYSTEM.
- 13 REMOVE EXISTING DSX CONTROLLER AND ALL ASSOCIATED EQUIPMENT. PROTECT IN PLACE EXISTING CABLING AND CONDUIT.
- 14 PROVIDE LENEL ONGUARD CONTROLLER MODEL #LNL-1320-S3, OR APPROVED EQUAL. RECONNECT ALL EXISTING CABLING FROM REMOVED CONTROLLER SWITCH FOR COMPLETE SYSTEM.
- 17 REPLACE ALL EXISTING KEYPADS WITH NEW SIGNO 40 CARD READER, MODEL #40KNKS-T2-000000, OR APPROVED EQUAL. REUSE ALL EXISTING CABLING FROM REMOVED CARD READER AND CONNECT FOR COMPLETE SYSTEM.
- 19 REMOVE ALL EXISTING ACCESS KEYPADS LOCATED IN THE MARTHA TAYLOR BUILDING. PROTECT IN PLACE EXISTING CABLING AND CONDUIT.



1 **MARTHA TAYLOR SITE PLAN**



KEY PLAN

2024, Apr. 10, 10:30 AM. NYL Access Control Upgrades. 8. See notes, attachments for CAD, comments, etc. for final design. This document, together with the concepts and designs presented herein, is intended only for the specific purpose and client for which it was prepared. Reuse of any information on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

NO.	DATE	REVISION	BY	APPD.

Date 3/11/24
 Designed DT
 Drawn GB
 Checked JB

Kimley»Horn
 © 2023 KIMLEY-HORN AND ASSOCIATES, INC.
 1001 West Southern Avenue Suite 131
 Mesa, Arizona 85210
 (480) 207-2666

YUMA INTERNATIONAL AIRPORT
 YUMA, ARIZONA

PROFESSIONAL ENGINEER
 63843
 JOSEPH D. BRADSHAW
 State of Arizona
 EXPIRES 3/31/26



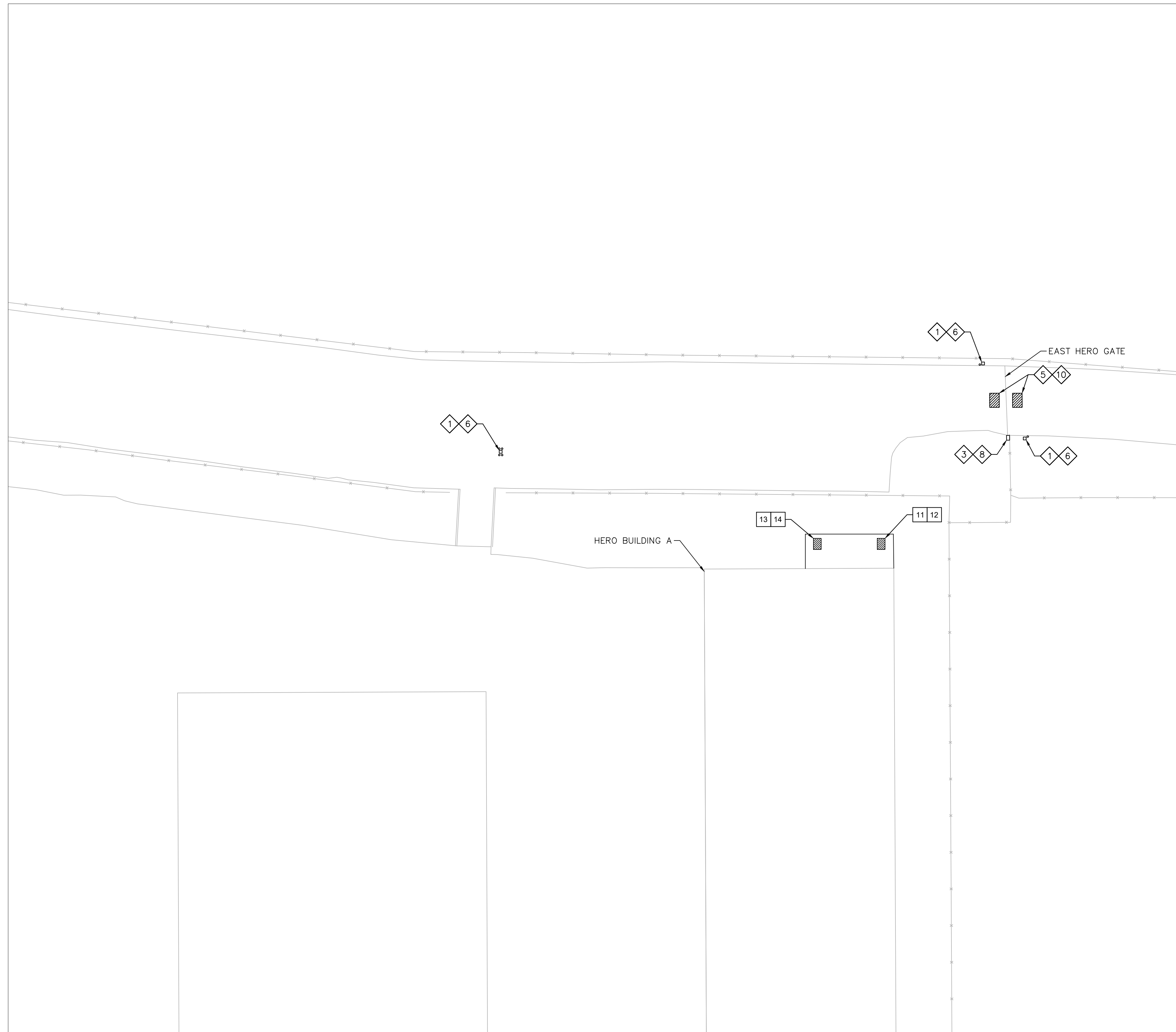
YUMA INTERNATIONAL AIRPORT
 NYL ACCESS CONTROL UPGRADES
 MARTHA TAYLOR SITE PLAN

PROJECT NO. 291346002	TOTAL SHEETS 26
SHEET NO. E-1.7	
SHEET 11	

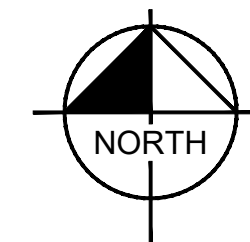
ELECTRICAL NOTES

- 1 REMOVE EXISTING ACCESS KEYPAD. PROTECT IN PLACE EXISTING CABLING, CONDUIT, AND PEDESTAL.
- 3 REMOVE EXISTING CAMERA FROM POLE. PROTECT IN PLACE EXISTING CABLING AND CONDUIT.
- 5 REMOVE EXISTING VEHICLE DETECTION LOOP FROM BELOW SURFACE. PROTECT CABLING AND CONDUIT IN PLACE.
- 6 INSTALL NEW KEYPAD, SIGNO 40 MODEL #40KNKS-T2-000000, OR APPROVED EQUAL, ON EXISTING PEDESTAL. RECONNECT EXISTING CABLING WITHIN EXISTING CONDUITS.
- 8 INSTALL NEW CAMERA, 17-AXIS MODEL #P3719-PLE, OR APPROVED EQUAL, ON EXISTING POLE. RECONNECT EXISTING CABLING WITHIN EXISTING CONDUITS. SEE DETAIL 3 ON SHEET 25 FOR ADDITIONAL INFORMATION.
- 10 INSTALL NEW VEHICLE DETECTION LOOP IN EXISTING ASPHALT. RECONNECT EXISTING CABLING WITHIN EXISTING CONDUITS.

COMMUNICATIONS NOTES



1 HERO'S HANGAR SITE PLAN



KEY PLAN

2024, Apr. 10, 10:30 AM. NYL Access Control Upgrades. E-1.8. This document, together with the concepts and designs presented herein, is intended only for the specific purpose and client for which it was prepared. Reuse of any information on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

NO.	DATE	REVISION	BY	APPD.

Date 3/11/24
 Designed DT
 Drawn GB
 Checked JB

Kimley»Horn
 © 2023 KIMLEY-HORN AND ASSOCIATES, INC.
 1001 West Southern Avenue Suite 131
 Mesa, Arizona 85210
 (480) 207-2666

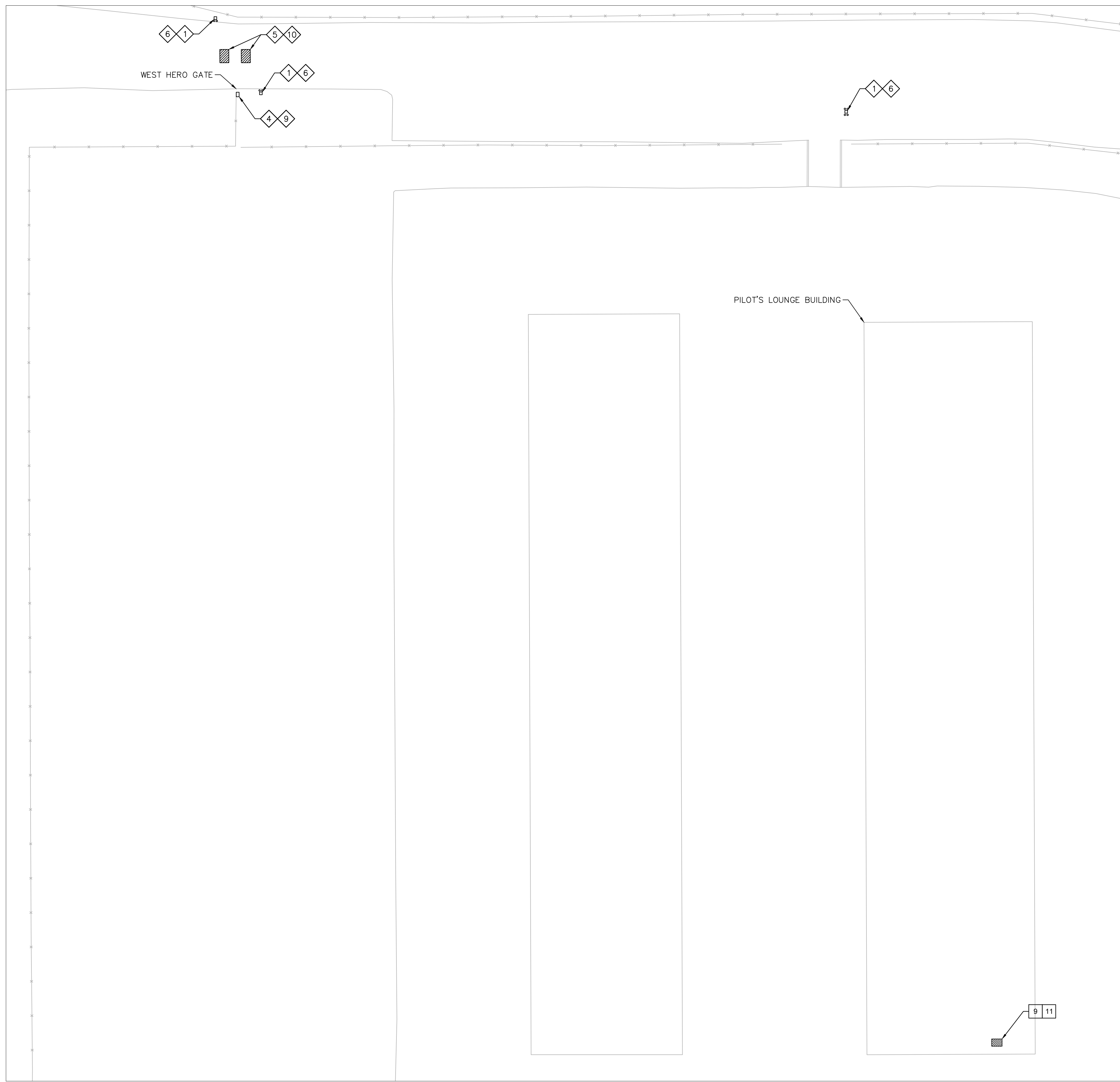
YUMA
 INTERNATIONAL
 AIRPORT
 YUMA, ARIZONA

63843
 JOSEPH D.
 BRADSHAW
 PROFESSIONAL ENGINEER
 STATE OF ARIZONA
 EXPIRES 3/31/26



YUMA INTERNATIONAL AIRPORT
 NYL ACCESS CONTROL UPGRADES
 HERO'S HANGAR SITE PLAN

PROJECT NO. 291346002	SHEET NO. E-1.8
SHEET 12	TOTAL SHEETS 26



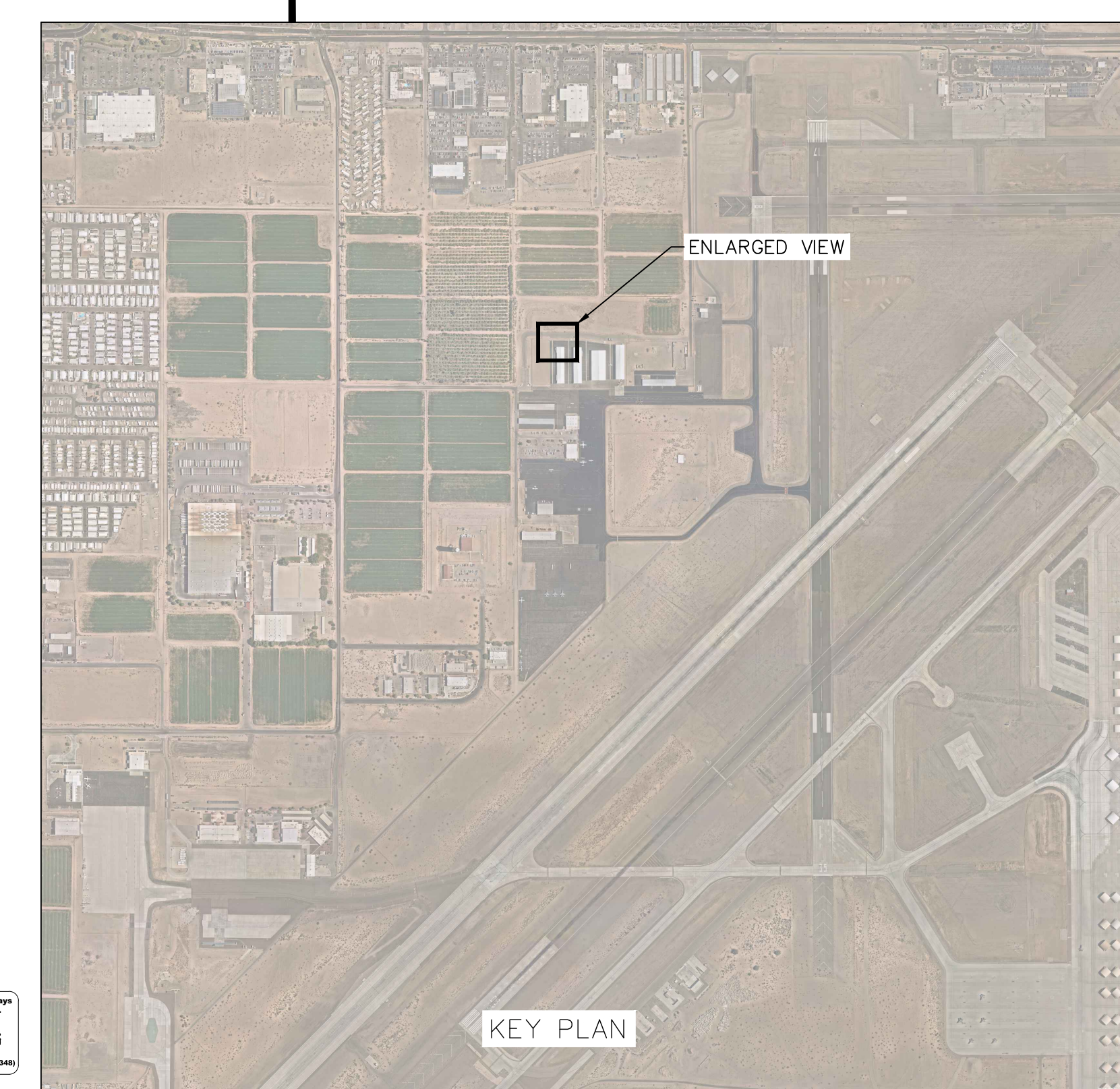
1 PILOT'S LOUNGE SITE PLAN

ELECTRICAL NOTES

- 1 REMOVE EXISTING ACCESS KEYPAD. PROTECT IN PLACE EXISTING CABLING, CONDUIT, AND PEDESTAL.
- 4 REMOVE EXISTING ACCESS GATE OPERATOR. PROTECT IN PLACE EXISTING CABLING AND CONDUIT.
- 5 REMOVE EXISTING VEHICLE DETECTION LOOP FROM BELOW SURFACE. PROTECT CABLING AND CONDUIT IN PLACE.
- 6 INSTALL NEW KEYPAD, SIGNO 40 MODEL #40KNKS-T2-000000, OR APPROVED EQUAL, ON EXISTING PEDESTAL. RECONNECT EXISTING CABLING WITHIN EXISTING CONDUITS.
- 9 INSTALL NEW GATE OPERATOR, HYSECURITY SLIDE DRIVER 40 MODEL #222E81, OR APPROVED EQUAL. RECONNECT EXISTING CABLING WITHIN EXISTING CONDUITS.
- 10 INSTALL NEW VEHICLE DETECTION LOOP IN EXISTING ASPHALT. RECONNECT EXISTING CABLING WITHIN EXISTING CONDUITS.

COMMUNICATIONS NOTES

- 9 PROVIDE FORTINET NETWORK SWITCH, MODEL #FS-148F-FPOE, OR APPROVED EQUAL. RECONNECT ALL WORKSTATIONS IN ROOM TO NEW SWITCH. PROVIDE ALL CABLING AND CONDUIT AS NEEDED FOR COMPLETE SYSTEM.
- 11 REMOVE EXISTING NETWORK SWITCH IN EXISTING CABINET. PROTECT IN PLACE ALL CABLING AND CONDUIT.



2024, Apr. 10, 10:30 AM. NYL Access Control Upgrades. E-1.9. This document, together with the concepts and designs presented herein, is intended only for the specific purpose and client for which it was prepared. Reuse of any information on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

NO.	DATE	REVISION	BY	APPD.

Date 3/11/24
 Designed DT
 Drawn GB
 Checked JB

Kimley»Horn
 © 2023 KIMLEY-HORN AND ASSOCIATES, INC.
 1001 West Southern Avenue Suite 131
 Mesa, Arizona 85210
 (480) 207-2666

YUMA
 INTERNATIONAL
 AIRPORT
 YUMA, ARIZONA

63843
 JOSEPH D.
 BRADSHAW
 PROFESSIONAL ENGINEER
 STATE OF ARIZONA
 EXPIRES 3/31/26



YUMA INTERNATIONAL AIRPORT
 NYL ACCESS CONTROL UPGRADES
 PILOT'S LOUNGE SITE PLAN

PROJECT NO. 291346002	SHEET NO. E-1.9
SHEET 13	TOTAL SHEETS 26

ELECTRICAL NOTES

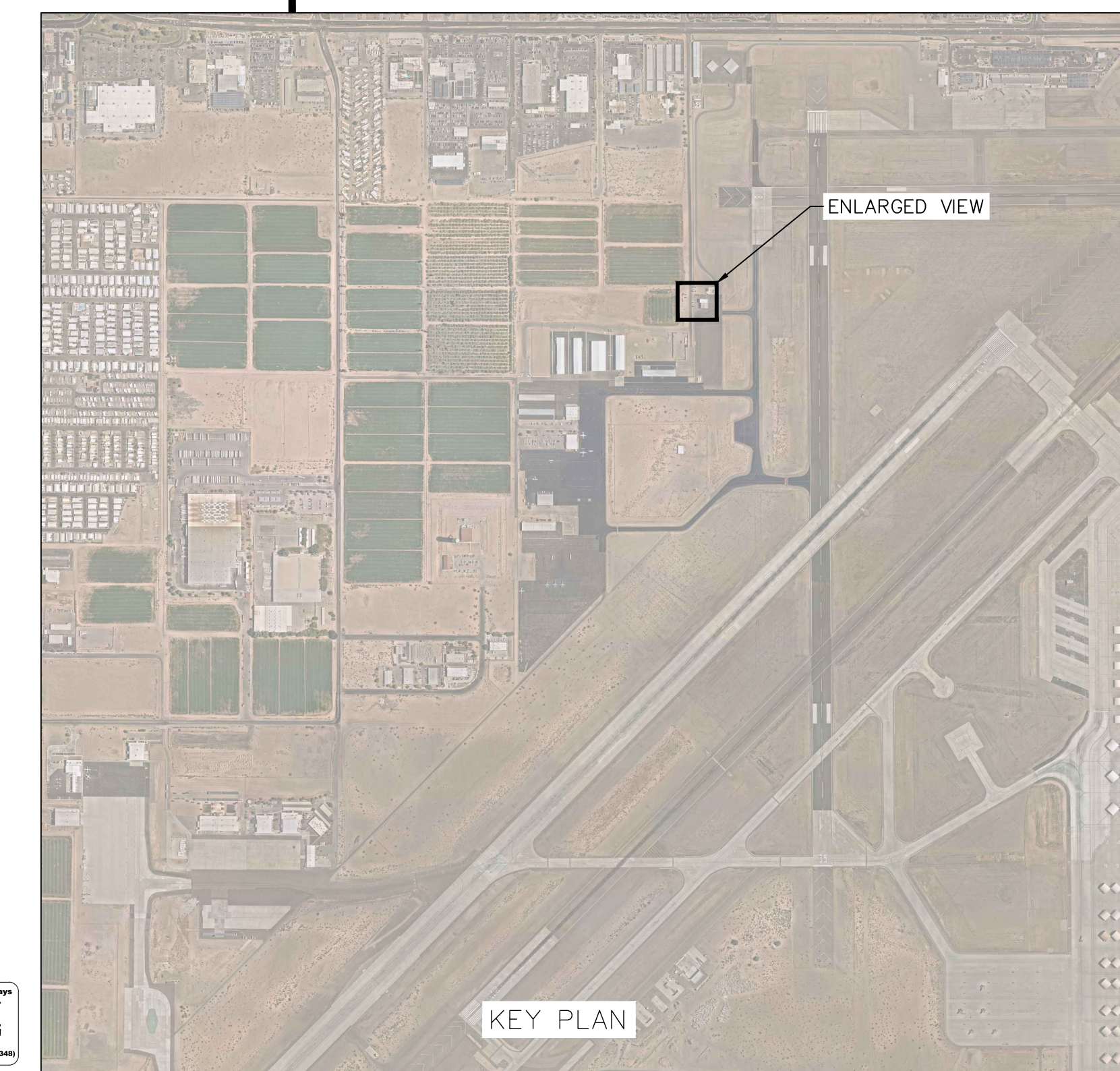
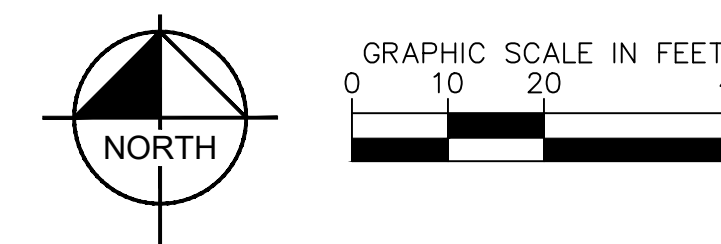
- 1 REMOVE EXISTING ACCESS KEYPAD. PROTECT IN PLACE EXISTING CABLING, CONDUIT, AND PEDESTAL.
- 3 REMOVE EXISTING CAMERA FROM POLE. PROTECT IN PLACE EXISTING CABLING AND CONDUIT.
- 4 REMOVE EXISTING ACCESS GATE OPERATOR. PROTECT IN PLACE EXISTING CABLING AND CONDUIT.
- 5 REMOVE EXISTING VEHICLE DETECTION LOOP FROM BELOW SURFACE. PROTECT CABLING AND CONDUIT IN PLACE.
- 6 INSTALL NEW KEYPAD, SIGNO 40 MODEL #40KNKS-T2-000000, OR APPROVED EQUAL, ON EXISTING PEDESTAL. RECONNECT EXISTING CABLING WITHIN EXISTING CONDUITS.
- 8 INSTALL NEW CAMERA, 17-AXIS MODEL #P3719-PLC, OR APPROVED EQUAL, ON EXISTING POLE. RECONNECT EXISTING CABLING WITHIN EXISTING CONDUITS. SEE DETAIL 3 ON SHEET 25 FOR ADDITIONAL INFORMATION.
- 9 INSTALL NEW GATE OPERATOR, HYSECURITY SLIDE DRIVER 40 MODEL #222E81, OR APPROVED EQUAL. RECONNECT EXISTING CABLING WITHIN EXISTING CONDUITS.
- 10 INSTALL NEW VEHICLE DETECTION LOOP IN EXISTING ASPHALT. RECONNECT EXISTING CABLING WITHIN EXISTING CONDUITS.

COMMUNICATIONS NOTES

- 10 EXISTING COMMUNICATIONS CABINET TO REMAIN IN PLACE. CONTRACTOR SHALL PERFORM PREVENTATIVE MAINTENANCE FOR EXISTING COMMUNICATIONS EQUIPMENT THAT SHALL INCLUDE INSPECTION OF PHYSICAL AND MECHANICAL CONDITION AND REMOVAL OF DIRT/DEBRIS FROM UNIT.
- 11 REMOVE EXISTING NETWORK SWITCH IN EXISTING CABINET. PROTECT IN PLACE ALL CABLING AND CONDUIT.
- 12 PROVIDE FORTINET NETWORK SWITCH, MODEL #FS-124F-FPOE, OR APPROVED EQUAL. RECONNECT ALL EXISTING CABLING FROM REMOVED NETWORK SWITCH FOR COMPLETE SYSTEM.
- 13 REMOVE EXISTING DSX CONTROLLER AND ALL ASSOCIATED EQUIPMENT. PROTECT IN PLACE EXISTING CABLING AND CONDUIT.
- 14 PROVIDE LEVEL ONGUARD CONTROLLER MODEL #LNL-1320-S3, OR APPROVED EQUAL. RECONNECT ALL EXISTING CABLING FROM REMOVED CONTROLLER SWITCH FOR COMPLETE SYSTEM.



1 CARE FLIGHT SITE PLAN



2024, Apr 10, 10:35am, NYL Access Control Upgrades, E-1.11, Care Flight, Site Plan, 15 of 26
 This document, together with the concepts and designs presented herein, is intended only for the specific purpose and client for which it was prepared. Reuse of any information contained herein without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

NO.	DATE	REVISION	BY	APPD.

Date 3/11/24
 Designed DT
 Drawn GB
 Checked JB

Kimley»Horn
 © 2023 KIMLEY-HORN AND ASSOCIATES, INC.
 1001 West Southern Avenue Suite 131
 Mesa, Arizona 85210
 (480) 207-2666

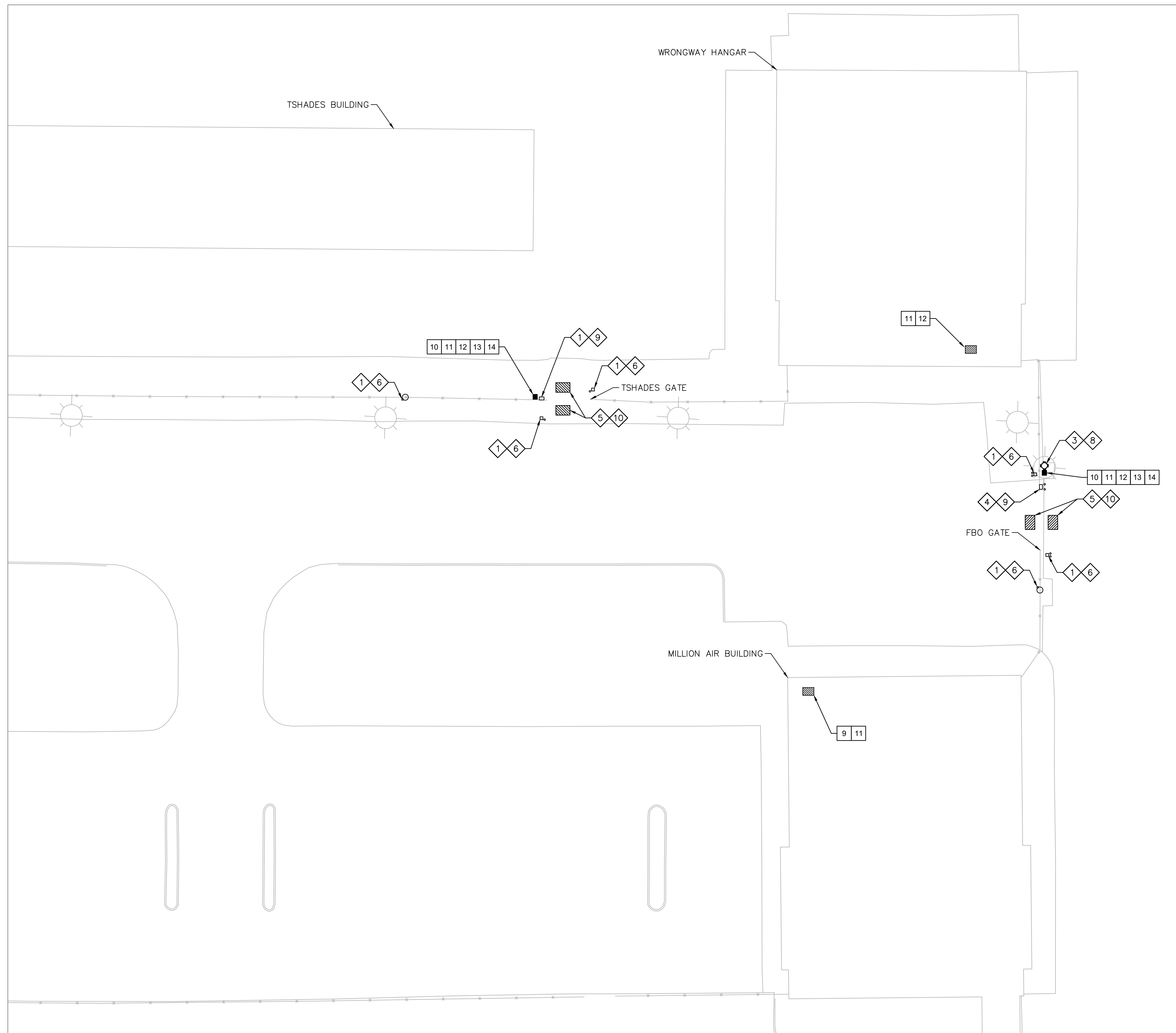
YUMA
 INTERNATIONAL
 AIRPORT
 YUMA, ARIZONA

63843
 JOSEPH D. BRADSHAW
 Professional Engineer
 State of Arizona
 EXPIRES 3/31/26

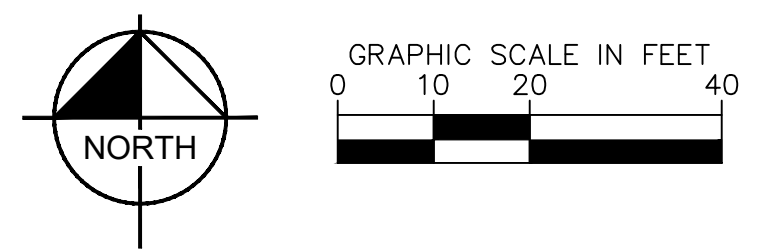


YUMA INTERNATIONAL AIRPORT
 NYL ACCESS CONTROL UPGRADES
 CARE FLIGHT SITE PLAN

PROJECT NO. 291346002	SHEET NO. E-1.11
SHEET 15	TOTAL SHEETS 26



1 WRONG WAY & MILLION AIR SITE PLAN

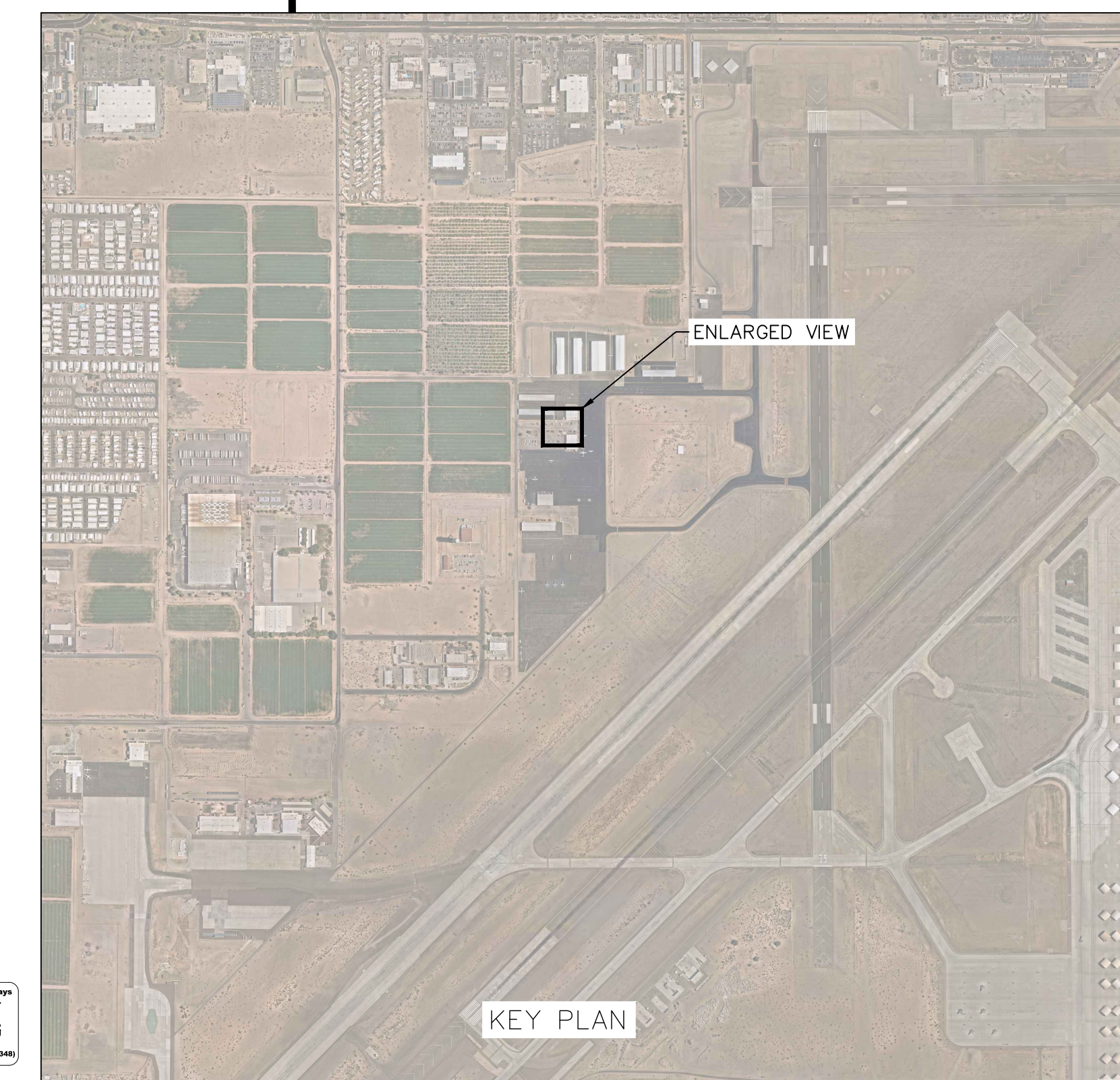


ELECTRICAL NOTES

- 1 REMOVE EXISTING ACCESS KEYPAD. PROTECT IN PLACE EXISTING CABLING, CONDUIT, AND PEDESTAL.
- 3 REMOVE EXISTING CAMERA FROM POLE. PROTECT IN PLACE EXISTING CABLING AND CONDUIT.
- 4 REMOVE EXISTING ACCESS GATE OPERATOR. PROTECT IN PLACE EXISTING CABLING AND CONDUIT.
- 5 REMOVE EXISTING VEHICLE DETECTION LOOP FROM BELOW SURFACE. PROTECT CABLING AND CONDUIT IN PLACE.
- 6 INSTALL NEW KEYPAD, SIGNO 40 MODEL #40KNKS-T2-000000, OR APPROVED EQUAL, ON EXISTING PEDESTAL. RECONNECT EXISTING CABLING WITHIN EXISTING CONDUITS.
- 8 INSTALL NEW CAMERA, 17-AXIS MODEL #P3719-PLC, OR APPROVED EQUAL, ON EXISTING POLE. RECONNECT EXISTING CABLING WITHIN EXISTING CONDUITS. SEE DETAIL 3 ON SHEET 25 FOR ADDITIONAL INFORMATION.
- 9 INSTALL NEW GATE OPERATOR, HYSECURITY SLIDE DRIVER 40 MODEL #222E81, OR APPROVED EQUAL. RECONNECT EXISTING CABLING WITHIN EXISTING CONDUITS.
- 10 INSTALL NEW VEHICLE DETECTION LOOP IN EXISTING ASPHALT. RECONNECT EXISTING CABLING WITHIN EXISTING CONDUITS.

COMMUNICATIONS NOTES

- 9 PROVIDE FORTINET NETWORK SWITCH, MODEL #FS-148F-FPOE, OR APPROVED EQUAL. RECONNECT ALL WORKSTATIONS IN ROOM TO NEW SWITCH. PROVIDE ALL CABLING AND CONDUIT AS NEEDED FOR COMPLETE SYSTEM.
- 10 EXISTING COMMUNICATIONS CABINET TO REMAIN IN PLACE. CONTRACTOR SHALL PERFORM PREVENTATIVE MAINTENANCE FOR EXISTING COMMUNICATIONS EQUIPMENT THAT SHALL INCLUDE INSPECTION OF PHYSICAL AND MECHANICAL CONDITION AND REMOVAL OF DIRT/DEBRIS FROM UNIT.
- 11 REMOVE EXISTING NETWORK SWITCH IN EXISTING CABINET. PROTECT IN PLACE ALL CABLING AND CONDUIT.
- 12 PROVIDE FORTINET NETWORK SWITCH, MODEL #FS-124F-FPOE, OR APPROVED EQUAL. RECONNECT ALL EXISTING CABLING FROM REMOVED NETWORK SWITCH FOR COMPLETE SYSTEM.
- 13 REMOVE EXISTING DSX CONTROLLER AND ALL ASSOCIATED EQUIPMENT. PROTECT IN PLACE EXISTING CABLING AND CONDUIT.
- 14 PROVIDE LENEL ONGUARD CONTROLLER MODEL #LNL-1320-S3, OR APPROVED EQUAL. RECONNECT ALL EXISTING CABLING FROM REMOVED CONTROLLER SWITCH FOR COMPLETE SYSTEM.



2024, Apr. 10, 10:30 AM. This document is the property of Kimley-Horn and Associates, Inc. and is intended only for the specific purpose and client for which it was prepared. Reuse of this document, in whole or in part, for any other project without the written authorization and approval of Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

NO.	DATE	REVISION	BY	APPD.

Date 3/11/24
 Designed DT
 Drawn GB
 Checked JB

Kimley»Horn
 © 2023 KIMLEY-HORN AND ASSOCIATES, INC.
 1001 West Southern Avenue Suite 131
 Mesa, Arizona 85210
 (480) 207-2666

YUMA
 INTERNATIONAL
 AIRPORT
 YUMA, ARIZONA

PROFESSIONAL ENGINEER
 63843
 JOSEPH D. BRADSHAW
 State of Arizona
 EXPIRES 3/31/26



YUMA INTERNATIONAL AIRPORT
 NYL ACCESS CONTROL UPGRADES
 WRONG WAY & MILLION AIR SITE PLAN

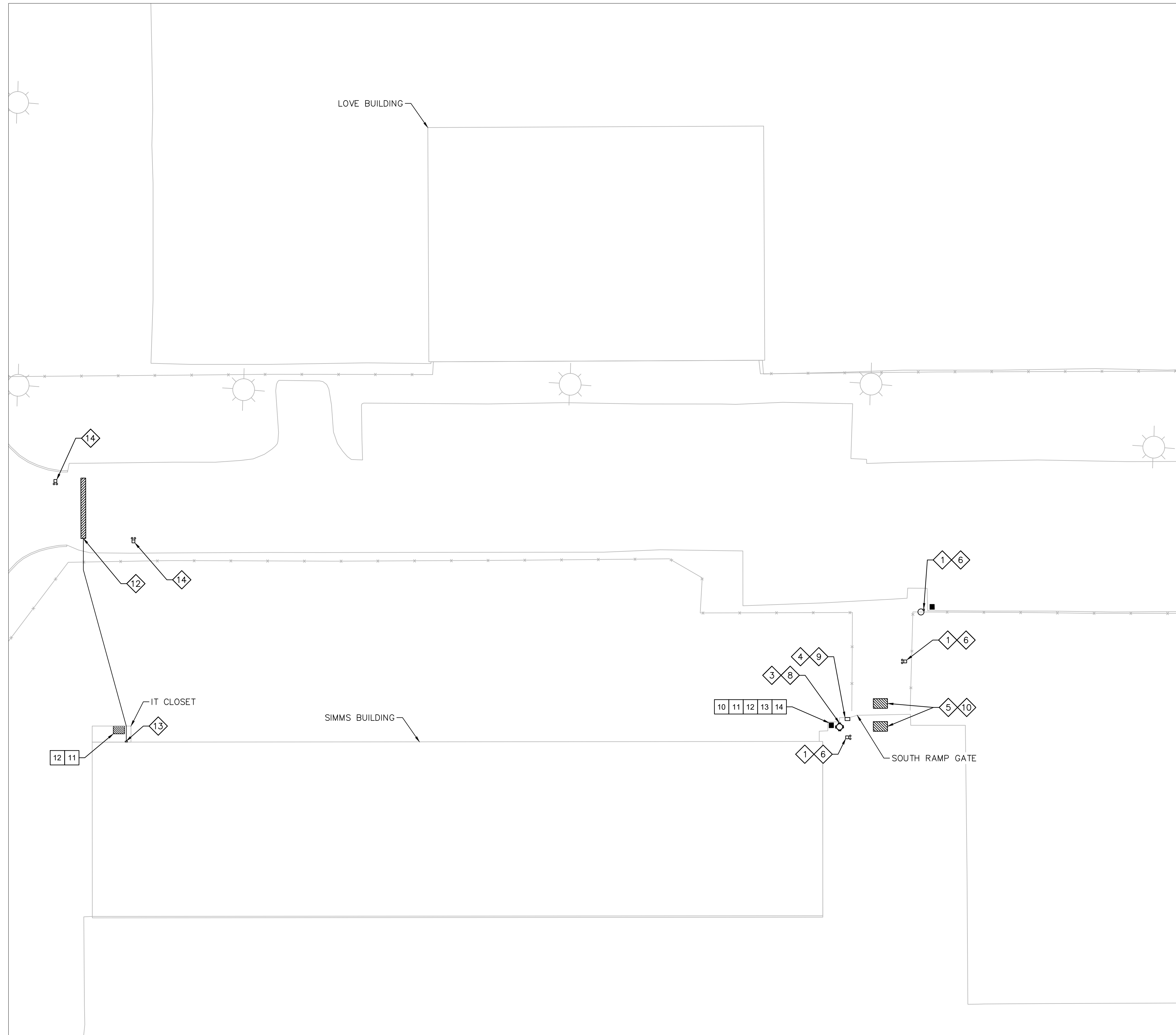
PROJECT NO. 291346002	SHEET NO. E-1.12
SHEET 16	TOTAL SHEETS 26

ELECTRICAL NOTES

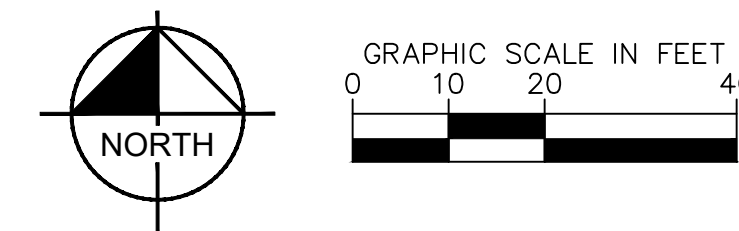
- 1 REMOVE EXISTING ACCESS KEYPAD. PROTECT IN PLACE EXISTING CABLING, CONDUIT, AND PEDESTAL.
- 3 REMOVE EXISTING CAMERA FROM POLE. PROTECT IN PLACE EXISTING CABLING AND CONDUIT.
- 4 REMOVE EXISTING ACCESS GATE OPERATOR. PROTECT IN PLACE EXISTING CABLING AND CONDUIT.
- 5 REMOVE EXISTING VEHICLE DETECTION LOOP FROM BELOW SURFACE. PROTECT CABLING AND CONDUIT IN PLACE.
- 6 INSTALL NEW KEYPAD, SIGNO 40 MODEL #40KNKS-T2-000000, OR APPROVED EQUAL, ON EXISTING PEDESTAL. RECONNECT EXISTING CABLING WITHIN EXISTING CONDUITS.
- 8 INSTALL NEW CAMERA, 17-AXIS MODEL #P3719-PLC, OR APPROVED EQUAL, ON EXISTING POLE. RECONNECT EXISTING CABLING WITHIN EXISTING CONDUITS. SEE DETAIL 3 ON SHEET 25 FOR ADDITIONAL INFORMATION.
- 9 INSTALL NEW GATE OPERATOR, HYSECURITY SLIDE DRIVER 40 MODEL #222E81, OR APPROVED EQUAL. RECONNECT EXISTING CABLING WITHIN EXISTING CONDUITS.
- 10 INSTALL NEW VEHICLE DETECTION LOOP IN EXISTING ASPHALT. RECONNECT EXISTING CABLING WITHIN EXISTING CONDUITS.
- 12 PROVIDE NEW GATE ARM BAR AND MOTOR, MODEL TO BE COORDINATED WITH AIRPORT. ROUTE ALL COMMUNICATION AND POWER CABLING TO SIMMS BUILDING IT CLOSET AND COORDINATE ALL CONNECTIONS WITH OWNER PRIOR TO INSTALL.
- 13 INSTALL (3) #10 AWG CU THWN CONDUCTORS IN (1) 1/2" C. AND CONNECT TO NEW 20A/1P BREAKER ON EXISTING 100A PANEL IN SIMMS BUILDING IT CLOSET. CONDUCTORS TO PENETRATE BUILDING AT EXISTING EXTERNAL JUNCTION BOX. POWER AND COMMUNICATIONS CABLING TO BE IN SEPARATE CONDUITS AND BUILDING PENETRATIONS. SEE DETAILS 1 AND 2 ON SHEET 26 FOR ADDITIONAL INFORMATION.
- 14 PROVIDE NEW PEDESTAL AND KEYPAD. ROUTE ALL COMMUNICATION AND POWER CABLING TO SIMMS BUILDING IT CLOSET AND COORDINATE ALL CONNECTIONS WITH OWNER PRIOR TO INSTALL.

COMMUNICATIONS NOTES

- 10 EXISTING COMMUNICATIONS CABINET TO REMAIN IN PLACE. CONTRACTOR SHALL PERFORM PREVENTATIVE MAINTENANCE FOR EXISTING COMMUNICATIONS EQUIPMENT THAT SHALL INCLUDE INSPECTION OF PHYSICAL AND MECHANICAL CONDITION AND REMOVAL OF DIRT/DEBRIS FROM UNIT.
- 11 REMOVE EXISTING NETWORK SWITCH IN EXISTING CABINET. PROTECT IN PLACE ALL CABLING AND CONDUIT.
- 12 PROVIDE FORTINET NETWORK SWITCH, MODEL #FS-124F-FPOE, OR APPROVED EQUAL. RECONNECT ALL EXISTING CABLING FROM REMOVED NETWORK SWITCH FOR COMPLETE SYSTEM.
- 13 REMOVE EXISTING DSX CONTROLLER AND ALL ASSOCIATED EQUIPMENT. PROTECT IN PLACE EXISTING CABLING AND CONDUIT.
- 14 PROVIDE LENEL ONGUARD CONTROLLER MODEL #LNL-1320-S3, OR APPROVED EQUAL. RECONNECT ALL EXISTING CABLING FROM REMOVED CONTROLLER SWITCH FOR COMPLETE SYSTEM.



1 LOVE & SIMMS SITE PLAN



2024, Apr 10, 10:46 AM. NYL Access Control Upgrades. E-1.13. This document is the property of Kimley-Horn and Associates, Inc. (KHA). It is intended for the specific purpose and client for which it was prepared. Reuse of this document, in whole or in part, for any other project without the written authorization and approval of KHA is prohibited. KHA shall be held liable to the client for any and all damages resulting from the use of this document.

NO.	DATE	REVISION	BY	APPD.

Date 3/11/24
 Designed DT
 Drawn GB
 Checked JB

Kimley»Horn
 © 2023 KIMLEY-HORN AND ASSOCIATES, INC.
 1001 West Southern Avenue Suite 131
 Mesa, Arizona 85210
 (480) 207-2666

YUMA INTERNATIONAL AIRPORT
 YUMA, ARIZONA

63843
 JOSEPH D. BRADSHAW
 Professional Engineer
 State of Arizona
 EXPIRES 3/31/26



YUMA INTERNATIONAL AIRPORT
 NYL ACCESS CONTROL UPGRADES
 LOVE & SIMMS SITE PLAN

PROJECT NO. 291346002	SHEET NO. E-1.13
SHEET 17	TOTAL SHEETS 26

ELECTRICAL NOTES

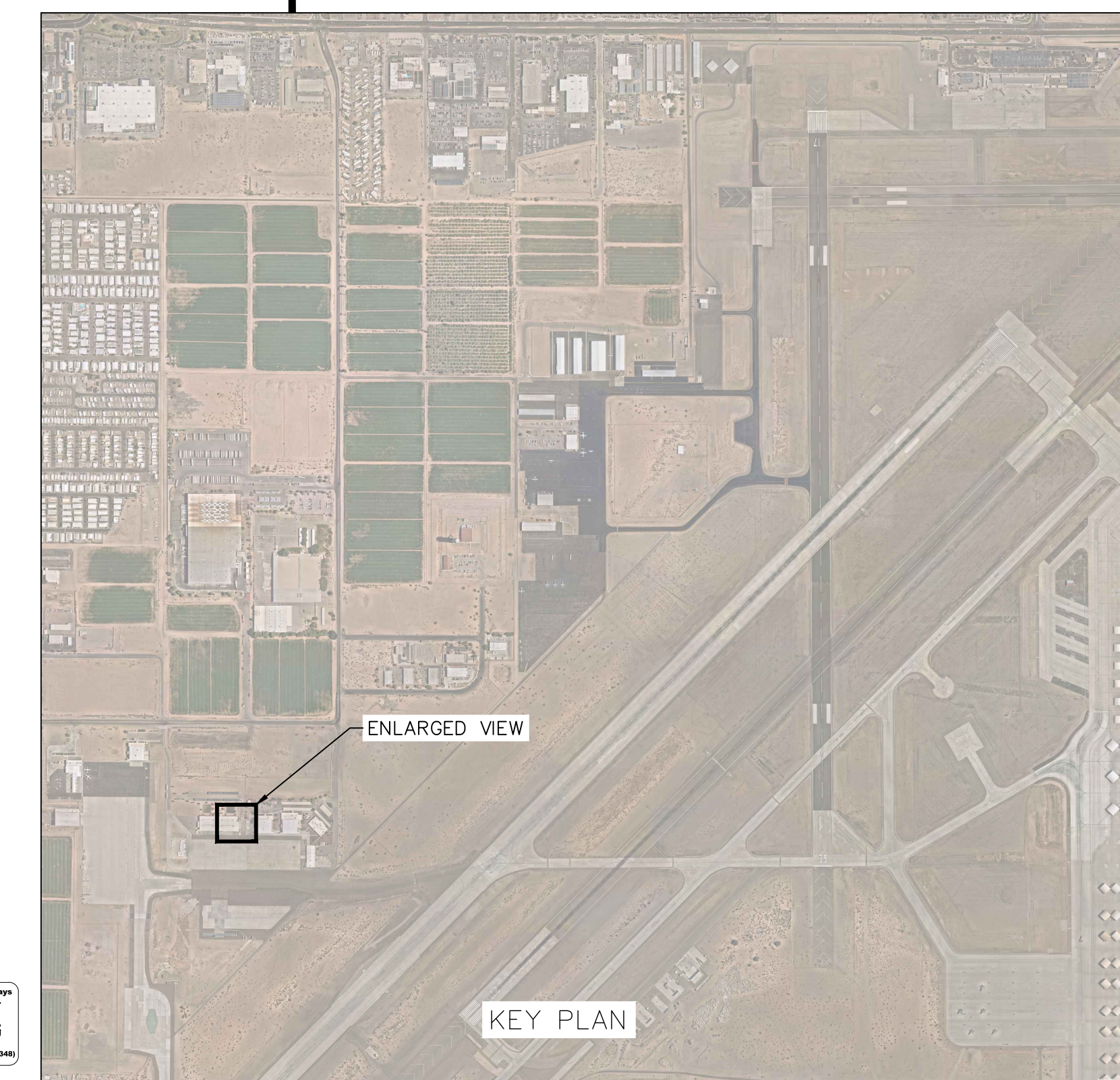
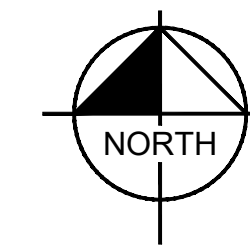
- 1 REMOVE EXISTING ACCESS KEYPAD. PROTECT IN PLACE EXISTING CABLING, CONDUIT, AND PEDESTAL.
- 3 REMOVE EXISTING CAMERA FROM POLE. PROTECT IN PLACE EXISTING CABLING AND CONDUIT.
- 4 REMOVE EXISTING ACCESS GATE OPERATOR. PROTECT IN PLACE EXISTING CABLING AND CONDUIT.
- 5 REMOVE EXISTING VEHICLE DETECTION LOOP FROM BELOW SURFACE. PROTECT CABLING AND CONDUIT IN PLACE.
- 6 INSTALL NEW KEYPAD, SIGNO 40 MODEL #40KNKS-T2-000000, OR APPROVED EQUAL, ON EXISTING PEDESTAL. RECONNECT EXISTING CABLING WITHIN EXISTING CONDUITS.
- 8 INSTALL NEW CAMERA, 17-AXIS MODEL #P3719-PLC, OR APPROVED EQUAL, ON EXISTING POLE. RECONNECT EXISTING CABLING WITHIN EXISTING CONDUITS. SEE DETAIL 3 ON SHEET 25 FOR ADDITIONAL INFORMATION.
- 9 INSTALL NEW GATE OPERATOR, HYSECURITY SLIDE DRIVER 40 MODEL #222E81, OR APPROVED EQUAL. RECONNECT EXISTING CABLING WITHIN EXISTING CONDUITS.
- 10 INSTALL NEW VEHICLE DETECTION LOOP IN EXISTING ASPHALT. RECONNECT EXISTING CABLING WITHIN EXISTING CONDUITS.

COMMUNICATIONS NOTES

- 9 PROVIDE FORTINET NETWORK SWITCH, MODEL #FS-148F-FPOE, OR APPROVED EQUAL. RECONNECT ALL WORKSTATIONS IN ROOM TO NEW SWITCH. PROVIDE ALL CABLING AND CONDUIT AS NEEDED FOR COMPLETE SYSTEM.
- 10 EXISTING COMMUNICATIONS CABINET TO REMAIN IN PLACE. CONTRACTOR SHALL PERFORM PREVENTATIVE MAINTENANCE FOR EXISTING COMMUNICATIONS EQUIPMENT THAT SHALL INCLUDE INSPECTION OF PHYSICAL AND MECHANICAL CONDITION AND REMOVAL OF DIRT/DEBRIS FROM UNIT.
- 11 REMOVE EXISTING NETWORK SWITCH IN EXISTING CABINET. PROTECT IN PLACE ALL CABLING AND CONDUIT.
- 12 PROVIDE FORTINET NETWORK SWITCH, MODEL #FS-124F-FPOE, OR APPROVED EQUAL. RECONNECT ALL EXISTING CABLING FROM REMOVED NETWORK SWITCH FOR COMPLETE SYSTEM.
- 13 REMOVE EXISTING DSX CONTROLLER AND ALL ASSOCIATED EQUIPMENT. PROTECT IN PLACE EXISTING CABLING AND CONDUIT.
- 14 PROVIDE LENEEL ONGUARD CONTROLLER MODEL #LNL-1320-S3, OR APPROVED EQUAL. RECONNECT ALL EXISTING CABLING FROM REMOVED CONTROLLER SWITCH FOR COMPLETE SYSTEM.
- 16 REMOVE ALL EXISTING ACCESS KEYPADS LOCATED IN THE JOE FOSS HANGAR. PROTECT IN PLACE EXISTING CABLING AND CONDUIT.
- 17 REPLACE ALL EXISTING KEYPADS WITH NEW SIGNO 40 CARD READER, MODEL #40KNKS-T2-000000, OR APPROVED EQUAL. REUSE ALL EXISTING CABLING FROM REMOVED CARD READER AND CONNECT FOR COMPLETE SYSTEM.



1 **JOE FOSS HANGAR & CBP WEST SITE PLAN**



2024, Apr 10, 10:45 AM. This document is the property of Kimley-Horn and Associates, Inc. It is to be used only for the specific purpose and client for which it was prepared. Reuse of this document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of this document without written authorization and adoption by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

NO.	DATE	REVISION	BY	APPD.

Date 3/11/24
 Designed DT
 Drawn GB
 Checked JB

Kimley»Horn
 © 2023 KIMLEY-HORN AND ASSOCIATES, INC.
 1001 West Southern Avenue Suite 131
 Mesa, Arizona 85210
 (480) 207-2666

YUMA INTERNATIONAL AIRPORT
 YUMA, ARIZONA

PROJECT NO. 291346002
 SHEET NO. E-1.14
 SHEET 18 TOTAL SHEETS 26

YUMA INTERNATIONAL AIRPORT
 NYL ACCESS CONTROL UPGRADES
 JOE FOSS HANGAR & CBP WEST SITE PLAN

2024, Apr. 10, 10:45 AM. NYL Access Control Upgrades. 8. See notes, supplements to CDV, documents, etc. for details. Reuse of this document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of any information on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



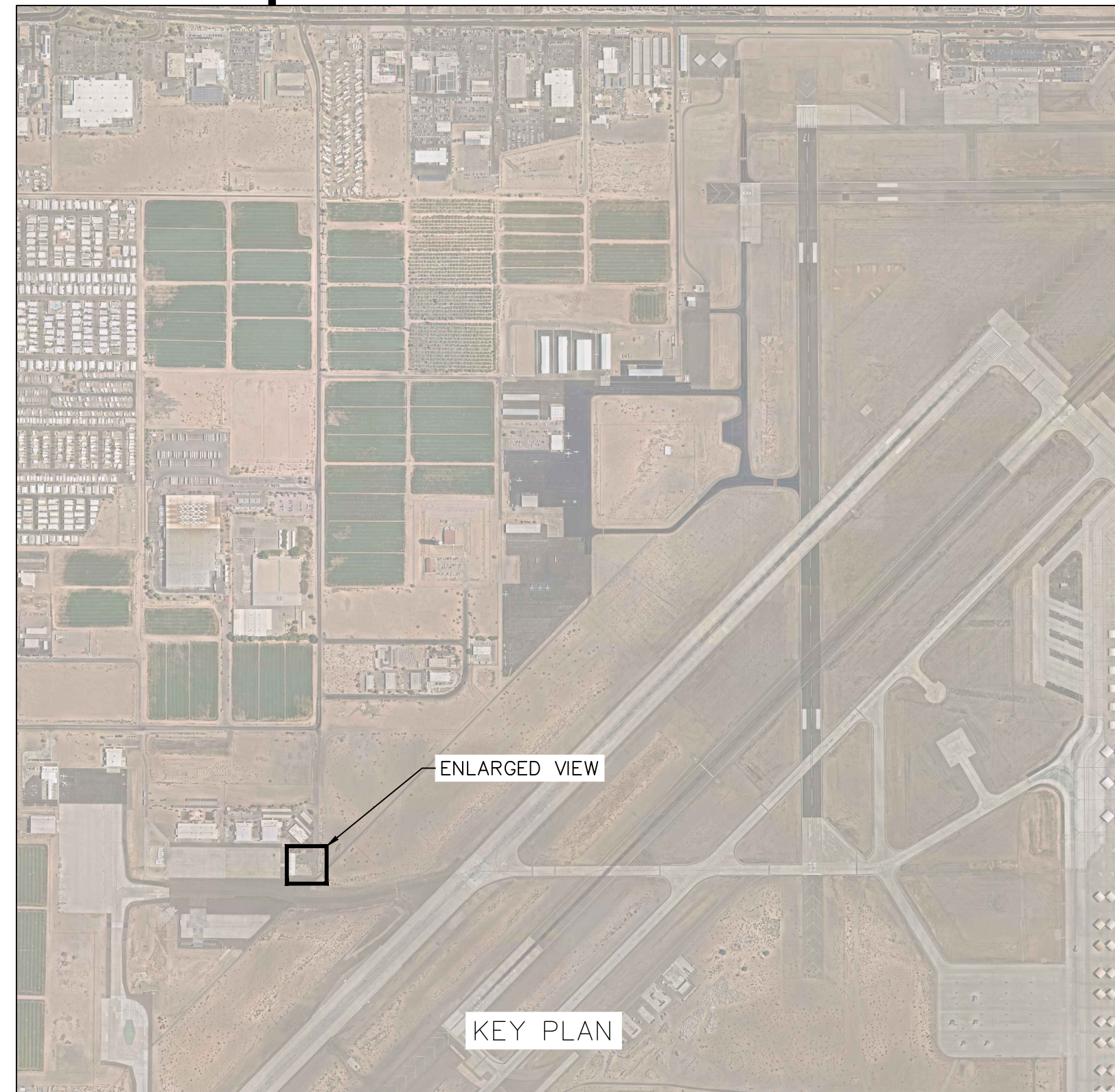
1 **CBP EAST SITE PLAN**

ELECTRICAL NOTES

- 1 REMOVE EXISTING ACCESS KEYPAD. PROTECT IN PLACE EXISTING CABLING, CONDUIT, AND PEDESTAL.
- 3 REMOVE EXISTING CAMERA FROM POLE. PROTECT IN PLACE EXISTING CABLING AND CONDUIT.
- 4 REMOVE EXISTING ACCESS GATE OPERATOR. PROTECT IN PLACE EXISTING CABLING AND CONDUIT.
- 5 REMOVE EXISTING VEHICLE DETECTION LOOP FROM BELOW SURFACE. PROTECT CABLING AND CONDUIT IN PLACE.
- 6 INSTALL NEW KEYPAD, SIGNO 40 MODEL #40KNKS-T2-000000, OR APPROVED EQUAL, ON EXISTING PEDESTAL. RECONNECT EXISTING CABLING WITHIN EXISTING CONDUITS.
- 8 INSTALL NEW CAMERA, 17-AXIS MODEL #P3719-PLC, OR APPROVED EQUAL, ON EXISTING POLE. RECONNECT EXISTING CABLING WITHIN EXISTING CONDUITS. SEE DETAIL 3 ON SHEET 25 FOR ADDITIONAL INFORMATION.
- 9 INSTALL NEW GATE OPERATOR, HYSECURITY SLIDE DRIVER 40 MODEL #222E81, OR APPROVED EQUAL. RECONNECT EXISTING CABLING WITHIN EXISTING CONDUITS.
- 10 INSTALL NEW VEHICLE DETECTION LOOP IN EXISTING ASPHALT. RECONNECT EXISTING CABLING WITHIN EXISTING CONDUITS.

COMMUNICATIONS NOTES

- 10 EXISTING COMMUNICATIONS CABINET TO REMAIN IN PLACE. CONTRACTOR SHALL PERFORM PREVENTATIVE MAINTENANCE FOR EXISTING COMMUNICATIONS EQUIPMENT THAT SHALL INCLUDE INSPECTION OF PHYSICAL AND MECHANICAL CONDITION AND REMOVAL OF DIRT/DEBRIS FROM UNIT.
- 11 REMOVE EXISTING NETWORK SWITCH IN EXISTING CABINET. PROTECT IN PLACE ALL CABLING AND CONDUIT.
- 12 PROVIDE FORTINET NETWORK SWITCH, MODEL #FS-124F-FPOE, OR APPROVED EQUAL. RECONNECT ALL EXISTING CABLING FROM REMOVED NETWORK SWITCH FOR COMPLETE SYSTEM.
- 13 REMOVE EXISTING DSX CONTROLLER AND ALL ASSOCIATED EQUIPMENT. PROTECT IN PLACE EXISTING CABLING AND CONDUIT.
- 14 PROVIDE LEVEL ONGUARD CONTROLLER MODEL #LNL-1320-S3, OR APPROVED EQUAL. RECONNECT ALL EXISTING CABLING FROM REMOVED CONTROLLER SWITCH FOR COMPLETE SYSTEM.



NO.	DATE	REVISION	BY	APPD.

Date 3/11/24
 Designed DT
 Drawn GB
 Checked JB

Kimley»Horn
 © 2023 KIMLEY-HORN AND ASSOCIATES, INC.
 1001 West Southern Avenue Suite 131
 Mesa, Arizona 85210
 (480) 207-2666

YUMA
 INTERNATIONAL
 AIRPORT
 YUMA, ARIZONA



YUMA INTERNATIONAL AIRPORT
 NYL ACCESS CONTROL UPGRADES
 CBP EAST SITE PLAN

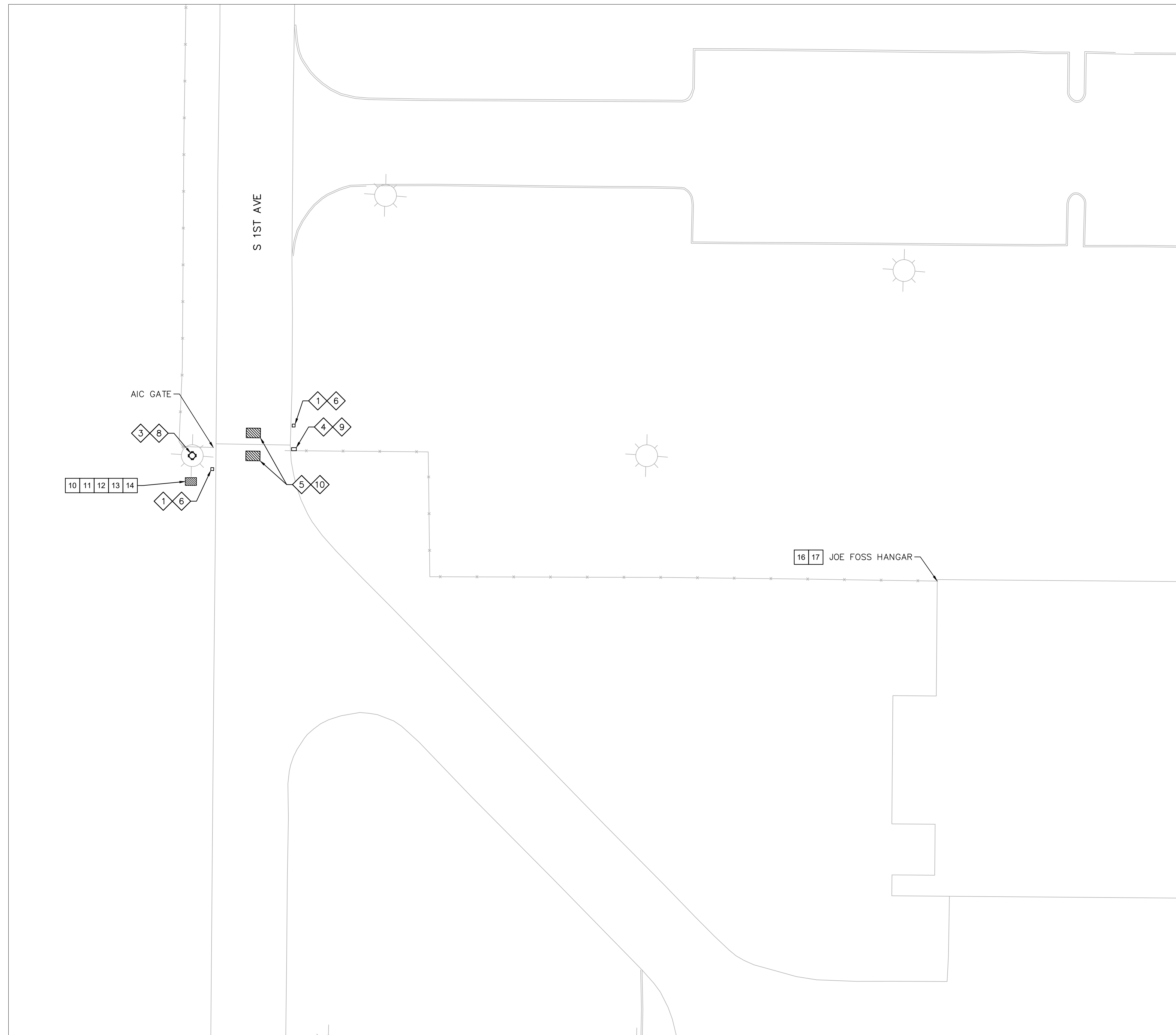
PROJECT NO. 291346002	SHEET NO. E-1.15
SHEET 19	TOTAL SHEETS 26

ELECTRICAL NOTES

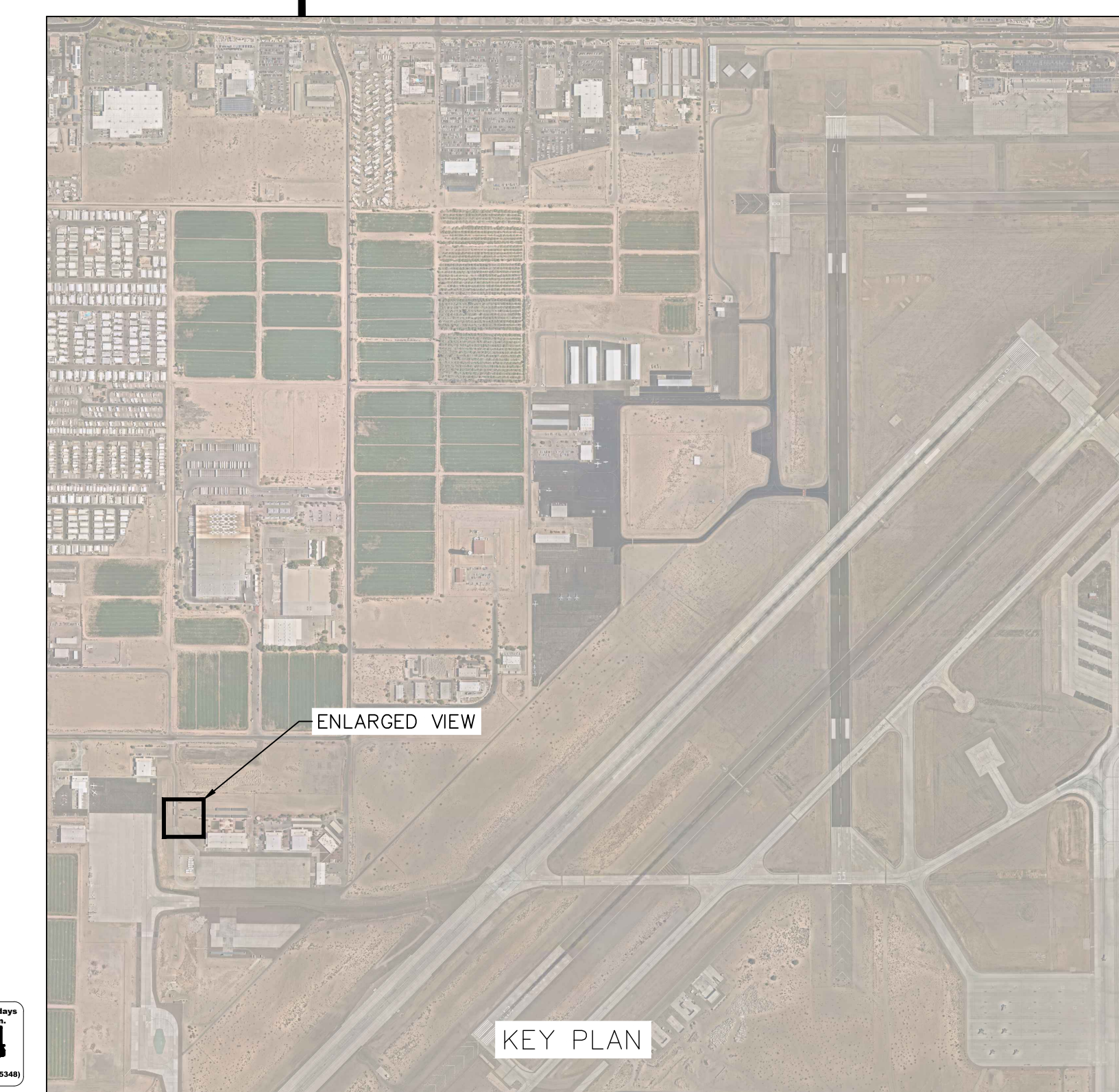
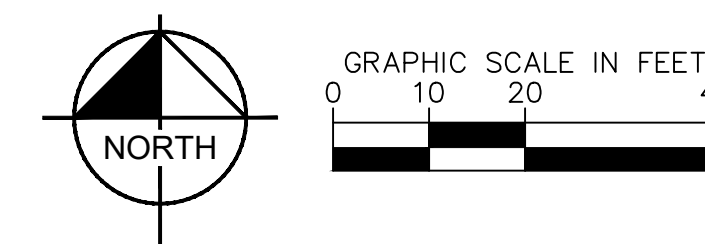
- 1 REMOVE EXISTING ACCESS KEYPAD. PROTECT IN PLACE EXISTING CABLING, CONDUIT, AND PEDESTAL.
- 3 REMOVE EXISTING CAMERA FROM POLE. PROTECT IN PLACE EXISTING CABLING AND CONDUIT.
- 4 REMOVE EXISTING ACCESS GATE OPERATOR. PROTECT IN PLACE EXISTING CABLING AND CONDUIT.
- 5 REMOVE EXISTING VEHICLE DETECTION LOOP FROM BELOW SURFACE. PROTECT CABLING AND CONDUIT IN PLACE.
- 6 INSTALL NEW KEYPAD, SIGNO 40 MODEL #40KNKS-T2-000000, OR APPROVED EQUAL, ON EXISTING PEDESTAL. RECONNECT EXISTING CABLING WITHIN EXISTING CONDUITS.
- 8 INSTALL NEW CAMERA, 17-AXIS MODEL #P3719-PLC, OR APPROVED EQUAL, ON EXISTING POLE. RECONNECT EXISTING CABLING WITHIN EXISTING CONDUITS. SEE DETAIL 3 ON SHEET 25 FOR ADDITIONAL INFORMATION.
- 9 INSTALL NEW GATE OPERATOR, HYSECURITY SLIDE DRIVER 40 MODEL #222E81, OR APPROVED EQUAL. RECONNECT EXISTING CABLING WITHIN EXISTING CONDUITS.
- 10 INSTALL NEW VEHICLE DETECTION LOOP IN EXISTING ASPHALT. RECONNECT EXISTING CABLING WITHIN EXISTING CONDUITS.

COMMUNICATIONS NOTES

- 10 EXISTING COMMUNICATIONS CABINET TO REMAIN IN PLACE. CONTRACTOR SHALL PERFORM PREVENTATIVE MAINTENANCE FOR EXISTING COMMUNICATIONS EQUIPMENT THAT SHALL INCLUDE INSPECTION OF PHYSICAL AND MECHANICAL CONDITION AND REMOVAL OF DIRT/DEBRIS FROM UNIT.
- 11 REMOVE EXISTING NETWORK SWITCH IN EXISTING CABINET. PROTECT IN PLACE ALL CABLING AND CONDUIT.
- 12 PROVIDE FORTINET NETWORK SWITCH, MODEL #FS-124F-FPOE, OR APPROVED EQUAL. RECONNECT ALL EXISTING CABLING FROM REMOVED NETWORK SWITCH FOR COMPLETE SYSTEM.
- 13 REMOVE EXISTING DSX CONTROLLER AND ALL ASSOCIATED EQUIPMENT. PROTECT IN PLACE EXISTING CABLING AND CONDUIT.
- 14 PROVIDE LENEL ONGUARD CONTROLLER MODEL #LNL-1320-S3, OR APPROVED EQUAL. RECONNECT ALL EXISTING CABLING FROM REMOVED CONTROLLER SWITCH FOR COMPLETE SYSTEM.
- 16 REMOVE ALL EXISTING ACCESS KEYPADS LOCATED IN THE JOE FOSS HANGAR. PROTECT IN PLACE EXISTING CABLING AND CONDUIT.
- 17 REPLACE ALL EXISTING KEYPADS WITH NEW SIGNO 40 CARD READER, MODEL #40KNKS-T2-000000, OR APPROVED EQUAL. REUSE ALL EXISTING CABLING FROM REMOVED CARD READER AND CONNECT FOR COMPLETE SYSTEM.



1 AIC GATE SITE PLAN



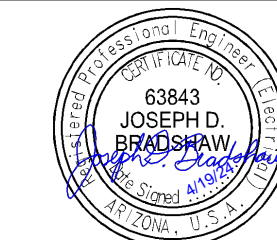
2024, Apr 10, 10:45 AM. This document is the property of Kimley-Horn and Associates, Inc. and is intended only for the specific purpose and client for which it was prepared. Reuse of any information contained herein without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

NO.	DATE	REVISION	BY	APPD.

Date 3/11/24
 Designed DT
 Drawn GB
 Checked JB


 © 2023 KIMLEY-HORN AND ASSOCIATES, INC.
 1001 West Southern Avenue Suite 131
 Mesa, Arizona 85210
 (480) 207-2666

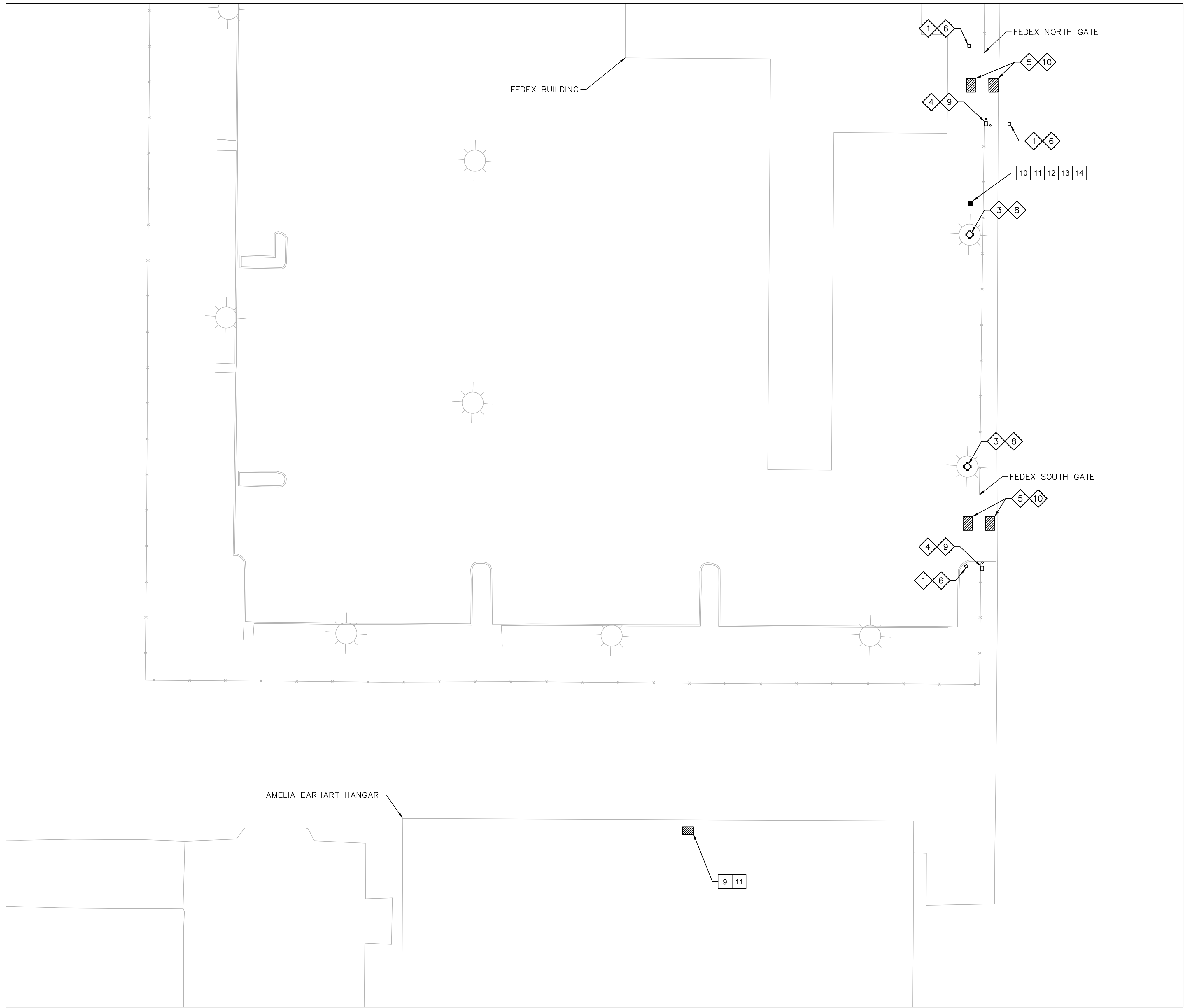
YUMA
 INTERNATIONAL
 AIRPORT
 YUMA, ARIZONA





YUMA INTERNATIONAL AIRPORT
 NYL ACCESS CONTROL UPGRADES
 AIC GATE SITE PLAN

PROJECT NO. 291346002
SHEET NO. E-1.16
SHEET 20
TOTAL SHEETS 26



1 FEDEX & AMELIA HANGAR SITE PLAN

ELECTRICAL NOTES

- 1 REMOVE EXISTING ACCESS KEYPAD. PROTECT IN PLACE EXISTING CABLING, CONDUIT, AND PEDESTAL.
- 3 REMOVE EXISTING CAMERA FROM POLE. PROTECT IN PLACE EXISTING CABLING AND CONDUIT.
- 4 REMOVE EXISTING ACCESS GATE OPERATOR. PROTECT IN PLACE EXISTING CABLING AND CONDUIT.
- 5 REMOVE EXISTING VEHICLE DETECTION LOOP FROM BELOW SURFACE. PROTECT CABLING AND CONDUIT IN PLACE.
- 6 INSTALL NEW KEYPAD, SIGNO 40 MODEL #40KNKS-T2-000000, OR APPROVED EQUAL, ON EXISTING PEDESTAL. RECONNECT EXISTING CABLING WITHIN EXISTING CONDUITS.
- 8 INSTALL NEW CAMERA, 17-AXIS MODEL #P3719-PLC, OR APPROVED EQUAL, ON EXISTING POLE. RECONNECT EXISTING CABLING WITHIN EXISTING CONDUITS. SEE DETAIL 3 ON SHEET 25 FOR ADDITIONAL INFORMATION.
- 9 INSTALL NEW GATE OPERATOR, HYSECURITY SLIDE DRIVER 40 MODEL #222E81, OR APPROVED EQUAL. RECONNECT EXISTING CABLING WITHIN EXISTING CONDUITS.
- 10 INSTALL NEW VEHICLE DETECTION LOOP IN EXISTING ASPHALT. RECONNECT EXISTING CABLING WITHIN EXISTING CONDUITS.

COMMUNICATIONS NOTES

- 9 PROVIDE FORTINET NETWORK SWITCH, MODEL #FS-148F-FPOE, OR APPROVED EQUAL. RECONNECT ALL WORKSTATIONS IN ROOM TO NEW SWITCH. PROVIDE ALL CABLING AND CONDUIT AS NEEDED FOR COMPLETE SYSTEM.
- 10 EXISTING COMMUNICATIONS CABINET TO REMAIN IN PLACE. CONTRACTOR SHALL PERFORM PREVENTATIVE MAINTENANCE FOR EXISTING COMMUNICATIONS EQUIPMENT THAT SHALL INCLUDE INSPECTION OF PHYSICAL AND MECHANICAL CONDITION AND REMOVAL OF DIRT/DEBRIS FROM UNIT.
- 11 REMOVE EXISTING NETWORK SWITCH IN EXISTING CABINET. PROTECT IN PLACE ALL CABLING AND CONDUIT.
- 12 PROVIDE FORTINET NETWORK SWITCH, MODEL #FS-124F-FPOE, OR APPROVED EQUAL. RECONNECT ALL EXISTING CABLING FROM REMOVED NETWORK SWITCH FOR COMPLETE SYSTEM.
- 13 REMOVE EXISTING DSX CONTROLLER AND ALL ASSOCIATED EQUIPMENT. PROTECT IN PLACE EXISTING CABLING AND CONDUIT.
- 14 PROVIDE LENEL ONGUARD CONTROLLER MODEL #LNL-1320-S3, OR APPROVED EQUAL. RECONNECT ALL EXISTING CABLING FROM REMOVED CONTROLLER SWITCH FOR COMPLETE SYSTEM.



2024, Apr 10, 10:45 AM. This document is the property of Kimley-Horn and Associates, Inc. It is to be used only for the specific purpose and client for which it was prepared. Reuse of this document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

NO.	DATE	REVISION	BY	APPD.

Date 3/11/24
 Designed DT
 Drawn GB
 Checked JB

Kimley»Horn
 © 2023 KIMLEY-HORN AND ASSOCIATES, INC.
 1001 West Southern Avenue Suite 131
 Mesa, Arizona 85210
 (480) 207-2666

YUMA INTERNATIONAL AIRPORT
YUMA, ARIZONA

PROFESSIONAL ENGINEER
 63843
 JOSEPH D. BRADSHAW
 State of Arizona
 EXPIRES 3/31/26



YUMA INTERNATIONAL AIRPORT
 NYL ACCESS CONTROL UPGRADES
 FEDEX & AMELIA HANGAR SITE PLAN

PROJECT NO.	291346002
SHEET NO.	E-1.17
SHEET	TOTAL SHEETS
21	26

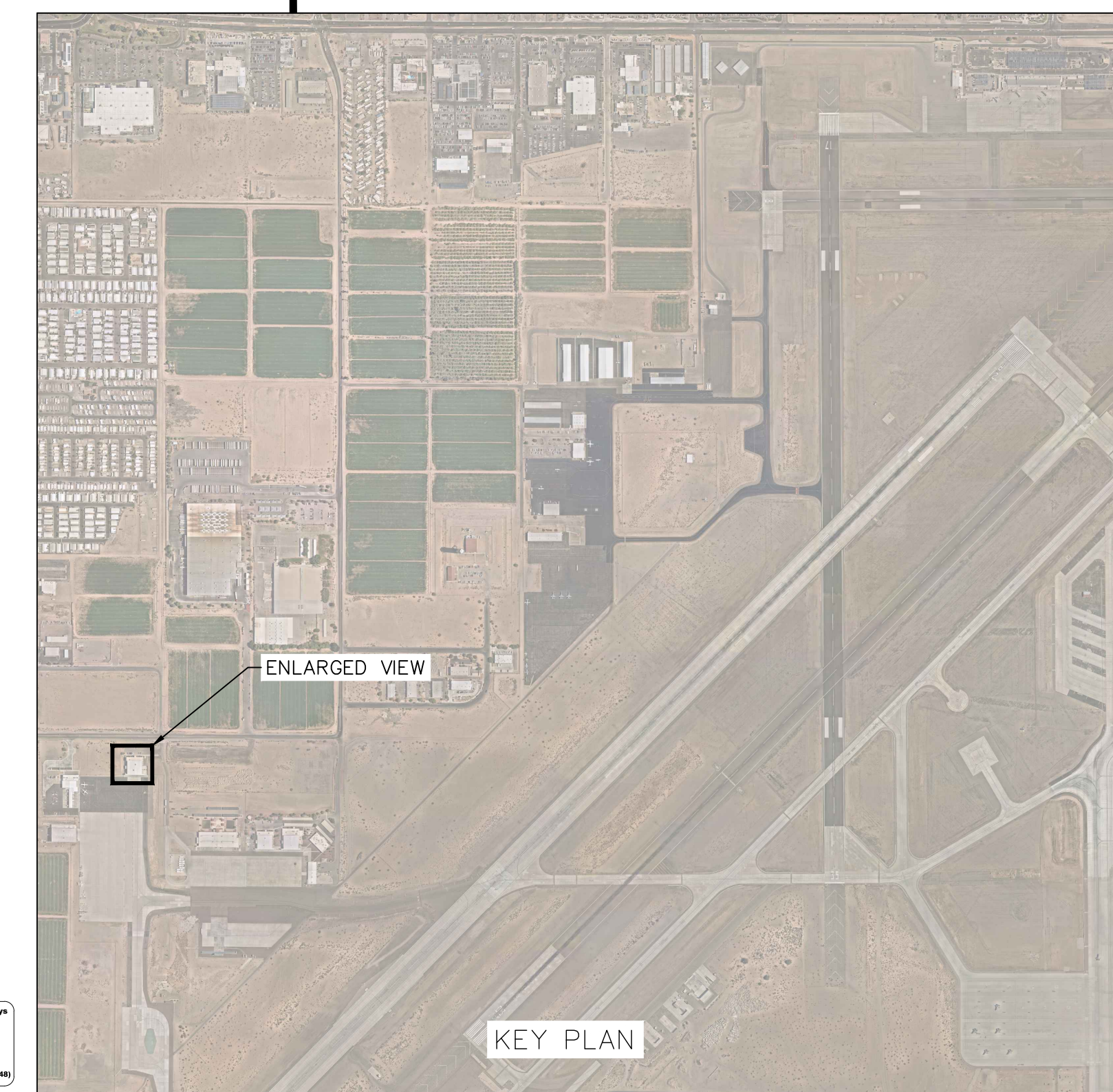
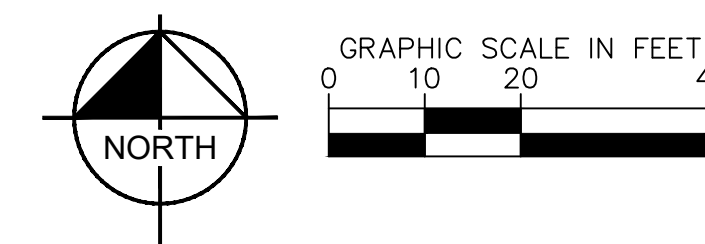
ELECTRICAL NOTES

COMMUNICATIONS NOTES

- 9 PROVIDE FORTINET NETWORK SWITCH, MODEL #FS-148F-FPOE, OR APPROVED EQUAL. RECONNECT ALL WORKSTATIONS IN ROOM TO NEW SWITCH. PROVIDE ALL CABLING AND CONDUIT AS NEEDED FOR COMPLETE SYSTEM.
- 11 REMOVE EXISTING NETWORK SWITCH IN EXISTING CABINET. PROTECT IN PLACE ALL CABLING AND CONDUIT.



1 AEROCARE BUILDING SITE PLAN



2024, Apr 10, 10:45 AM. NYL Access Control Upgrades. E-1.18. This document, together with the concepts and designs presented herein, is intended only for the specific purpose and client for which it was prepared. Reuse of any information on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

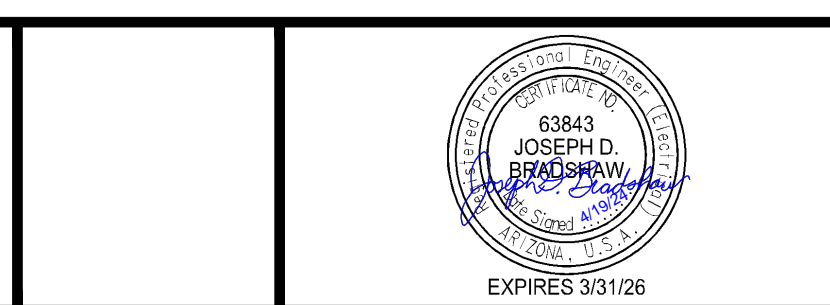


NO.	DATE	REVISION	BY	APPD.

Date 3/11/24
 Designed DT
 Drawn GB
 Checked JB

Kimley»Horn
 © 2023 KIMLEY-HORN AND ASSOCIATES, INC.
 1001 West Southern Avenue Suite 131
 Mesa, Arizona 85210
 (480) 207-2666

YUMA
 INTERNATIONAL
 AIRPORT
 YUMA, ARIZONA



YUMA INTERNATIONAL AIRPORT
 NYL ACCESS CONTROL UPGRADES
 AEROCARE BUILDING SITE PLAN

PROJECT NO. 291346002	TOTAL SHEETS 26
SHEET NO. E-1.18	
SHEET 22	

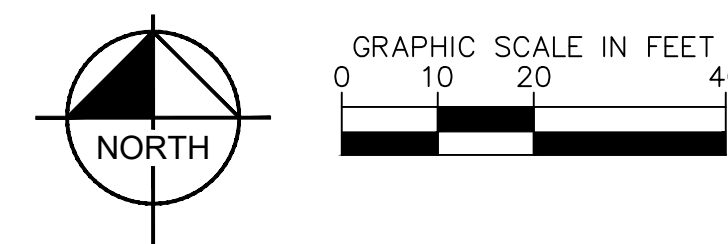
ELECTRICAL NOTES

COMMUNICATIONS NOTES

- 11 REMOVE EXISTING NETWORK SWITCH IN EXISTING CABINET. PROTECT IN PLACE ALL CABLING AND CONDUIT.
- 12 PROVIDE FORTINET NETWORK SWITCH, MODEL #FS-124F-FPOE, OR APPROVED EQUAL. RECONNECT ALL EXISTING CABLING FROM REMOVED NETWORK SWITCH FOR COMPLETE SYSTEM.



1 TAZ BUILDING SITE PLAN



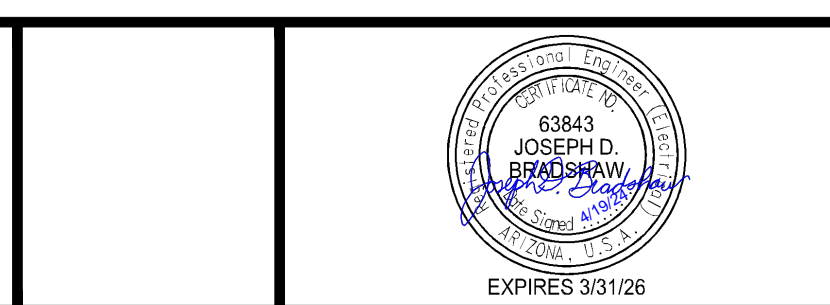
2024, Apr. 10, 10:46 AM. NYL Access Control Upgrades. TAZ Building. Site Plan. This document, together with the concepts and designs presented herein, is intended only for the specific purpose and client for which it was prepared. Reuse of any information contained herein without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

NO.	DATE	REVISION	BY	APPD.

Date 3/11/24
 Designed DT
 Drawn GB
 Checked JB

Kimley»Horn
 © 2023 KIMLEY-HORN AND ASSOCIATES, INC.
 1001 West Southern Avenue Suite 131
 Mesa, Arizona 85210
 (480) 207-2666

YUMA
 INTERNATIONAL
 AIRPORT
 YUMA, ARIZONA



YUMA INTERNATIONAL AIRPORT
 NYL ACCESS CONTROL UPGRADES
 TAZ BUILDING SITE PLAN

PROJECT NO. 291346002	TOTAL SHEETS 26
SHEET NO. E-1.19	
SHEET 23	

ELECTRICAL NOTES

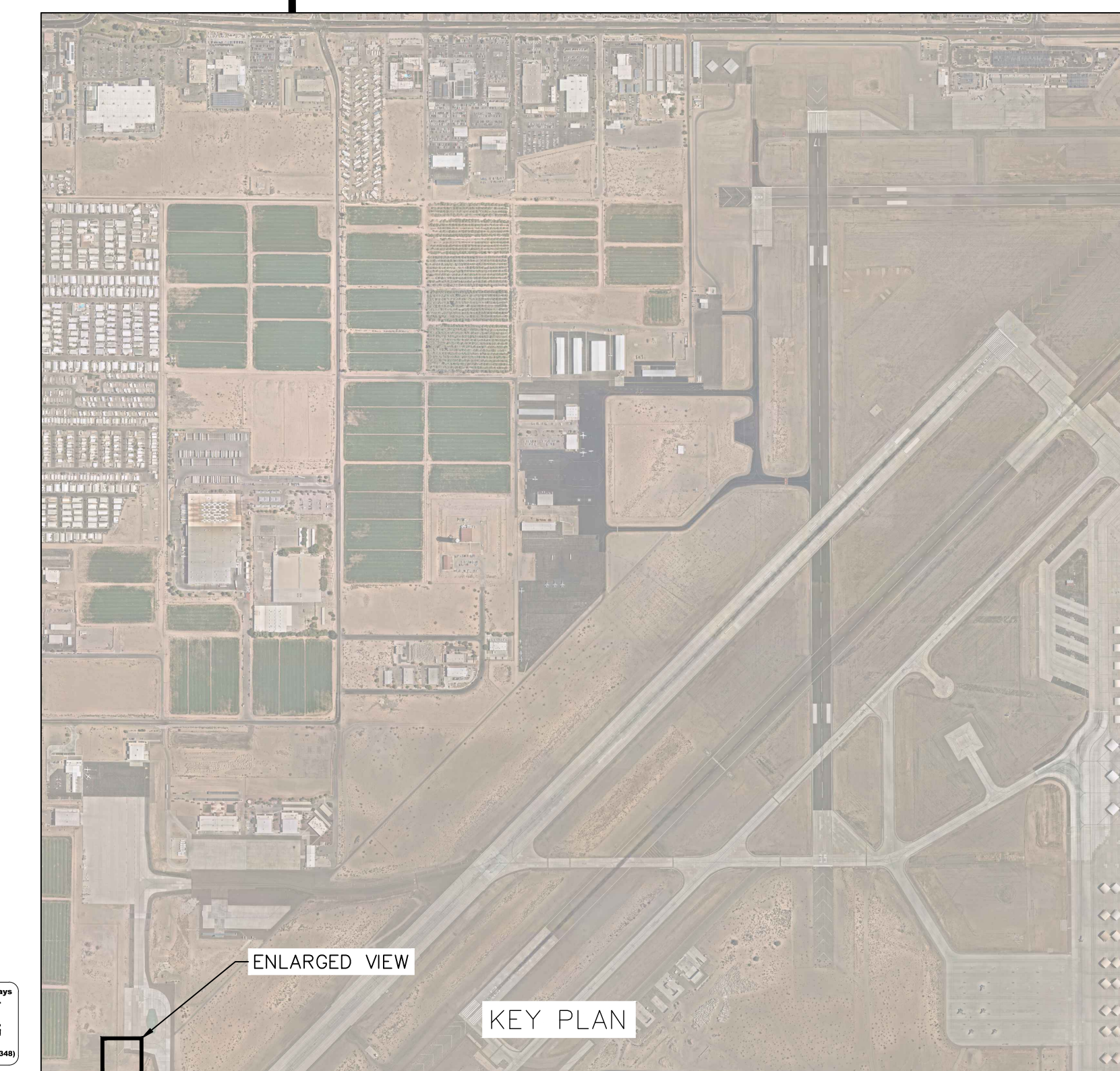
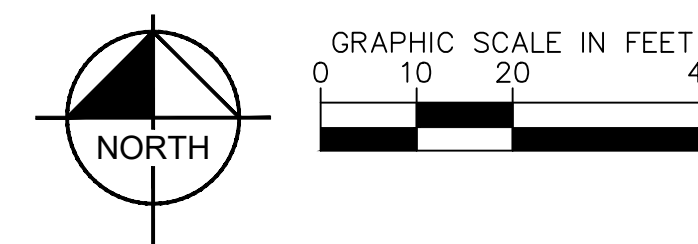
- 1 REMOVE EXISTING ACCESS KEYPAD. PROTECT IN PLACE EXISTING CABLING, CONDUIT, AND PEDESTAL.
- 3 REMOVE EXISTING CAMERA FROM POLE. PROTECT IN PLACE EXISTING CABLING AND CONDUIT.
- 4 REMOVE EXISTING ACCESS GATE OPERATOR. PROTECT IN PLACE EXISTING CABLING AND CONDUIT.
- 5 REMOVE EXISTING VEHICLE DETECTION LOOP FROM BELOW SURFACE. PROTECT CABLING AND CONDUIT IN PLACE.
- 6 INSTALL NEW KEYPAD, SIGNO 40 MODEL #40KNKS-T2-000000, OR APPROVED EQUAL, ON EXISTING PEDESTAL. RECONNECT EXISTING CABLING WITHIN EXISTING CONDUITS.
- 8 INSTALL NEW CAMERA, 17-AXIS MODEL #P3719-PLC, OR APPROVED EQUAL, ON EXISTING POLE. RECONNECT EXISTING CABLING WITHIN EXISTING CONDUITS. SEE DETAIL 3 ON SHEET 25 FOR ADDITIONAL INFORMATION.
- 9 INSTALL NEW GATE OPERATOR, HYSECURITY SLIDE DRIVER 40 MODEL #222E81, OR APPROVED EQUAL. RECONNECT EXISTING CABLING WITHIN EXISTING CONDUITS.
- 10 INSTALL NEW VEHICLE DETECTION LOOP IN EXISTING ASPHALT. RECONNECT EXISTING CABLING WITHIN EXISTING CONDUITS.

COMMUNICATIONS NOTES

- 10 EXISTING COMMUNICATIONS CABINET TO REMAIN IN PLACE. CONTRACTOR SHALL PERFORM PREVENTATIVE MAINTENANCE FOR EXISTING COMMUNICATIONS EQUIPMENT THAT SHALL INCLUDE INSPECTION OF PHYSICAL AND MECHANICAL CONDITION AND REMOVAL OF DIRT/DEBRIS FROM UNIT.
- 11 REMOVE EXISTING NETWORK SWITCH IN EXISTING CABINET. PROTECT IN PLACE ALL CABLING AND CONDUIT.
- 12 PROVIDE FORTINET NETWORK SWITCH, MODEL #FS-124F-FPOE, OR APPROVED EQUAL. RECONNECT ALL EXISTING CABLING FROM REMOVED NETWORK SWITCH FOR COMPLETE SYSTEM.
- 13 REMOVE EXISTING DSX CONTROLLER AND ALL ASSOCIATED EQUIPMENT. PROTECT IN PLACE EXISTING CABLING AND CONDUIT.
- 14 PROVIDE LENEL ONGUARD CONTROLLER MODEL #LNL-1320-S3, OR APPROVED EQUAL. RECONNECT ALL EXISTING CABLING FROM REMOVED CONTROLLER SWITCH FOR COMPLETE SYSTEM.



1 DCC GATE SITE PLAN



2024, Apr. 10, 10:46 AM. This document is the property of Kimley-Horn and Associates, Inc. It is to be used only for the specific purpose and client for which it was prepared. Reuse of this document, together with the concepts and designs presented herein, as an instrument of service, is prohibited without the written authorization and approval of Kimley-Horn and Associates, Inc. All rights reserved.

NO.	DATE	REVISION	BY	APPD.

Date 3/11/24
 Designed DT
 Drawn GB
 Checked JB

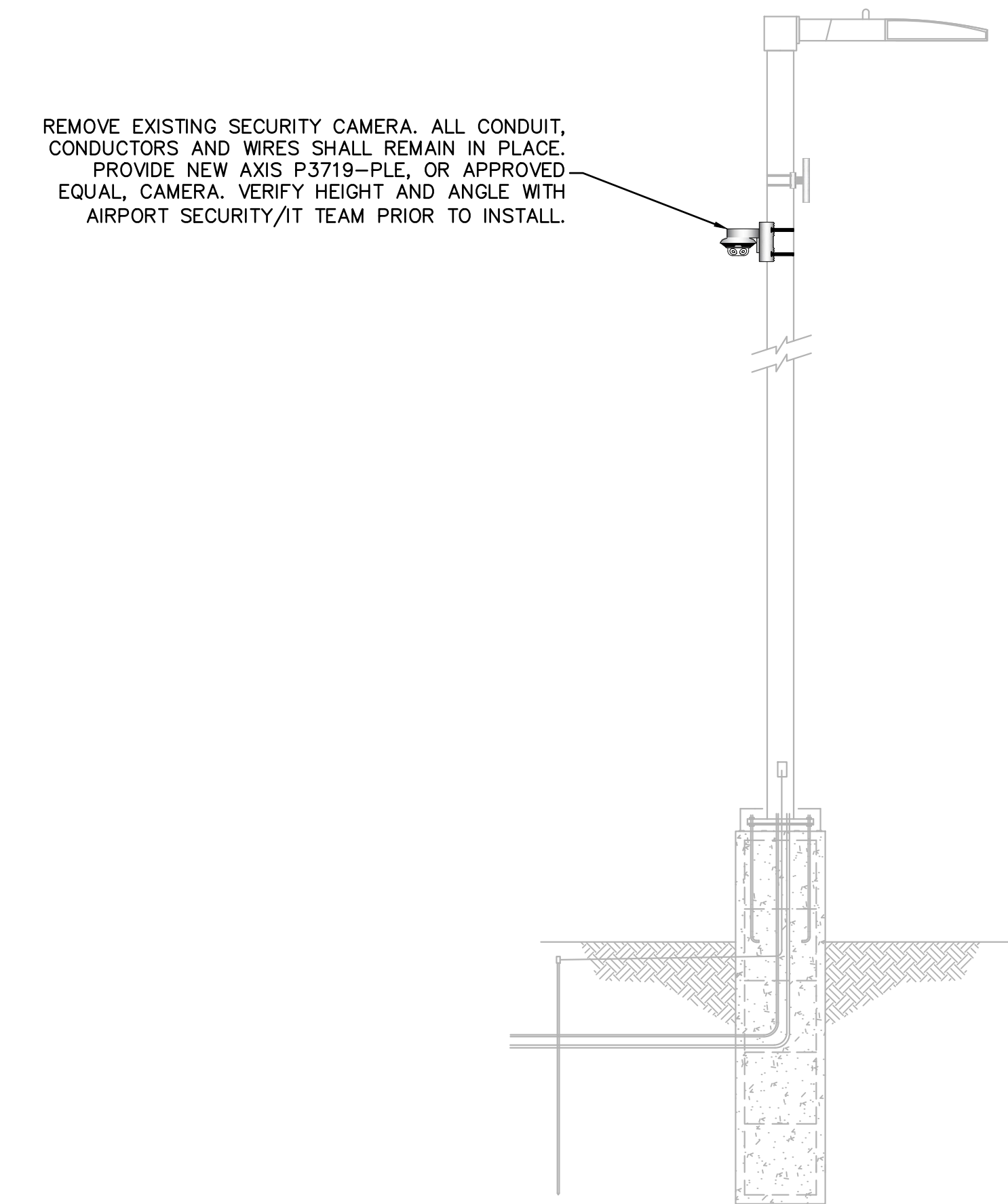
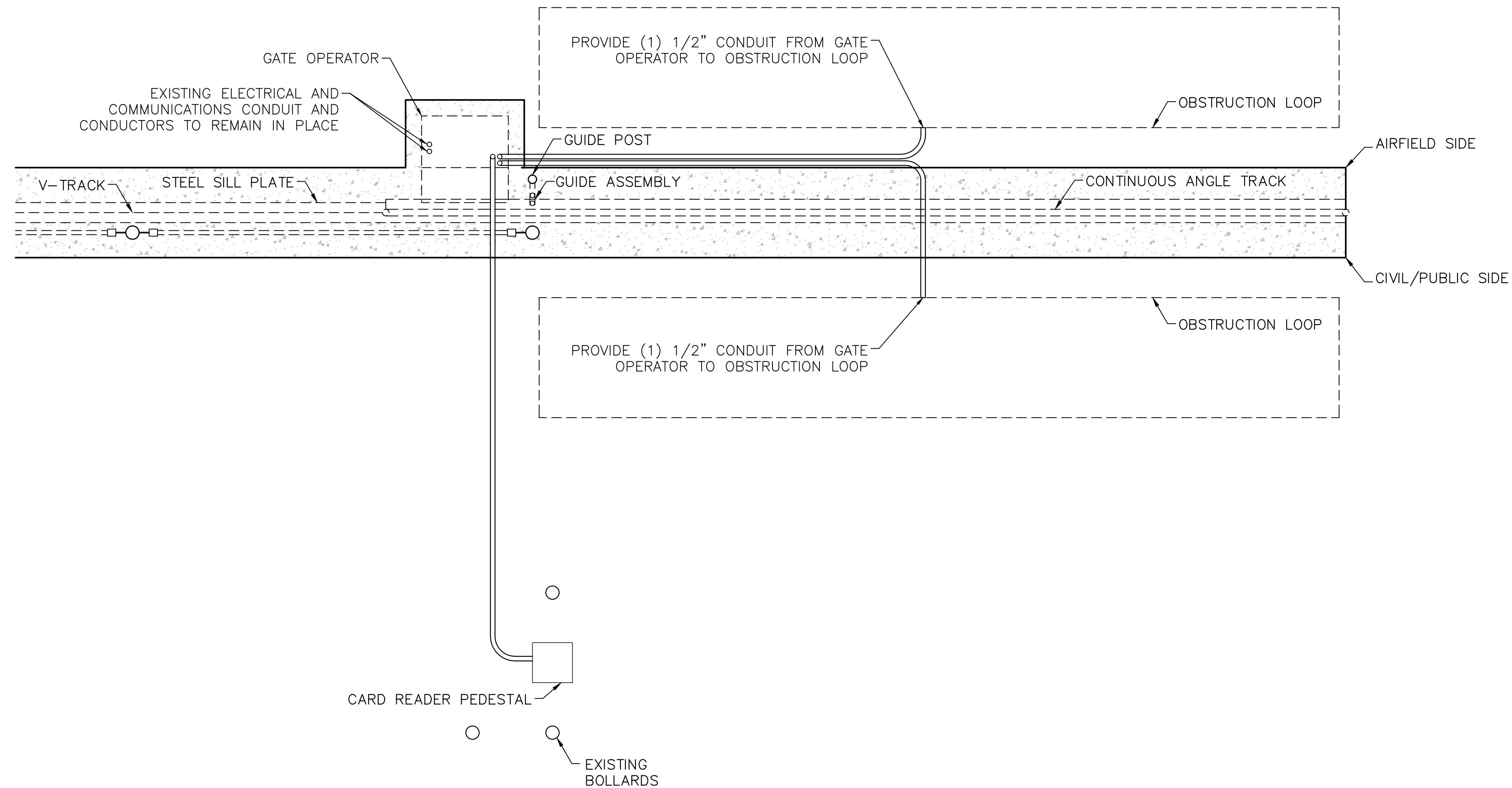
Kimley»Horn
 © 2023 KIMLEY-HORN AND ASSOCIATES, INC.
 1001 West Southern Avenue Suite 131
 Mesa, Arizona 85210
 (480) 207-2666

YUMA
 INTERNATIONAL
 AIRPORT
 YUMA, ARIZONA

PROFESSIONAL ENGINEER
 JOSEPH D. BRADSHAW
 LICENSE NO. 63843
 STATE OF ARIZONA
 EXPIRES 3/31/26

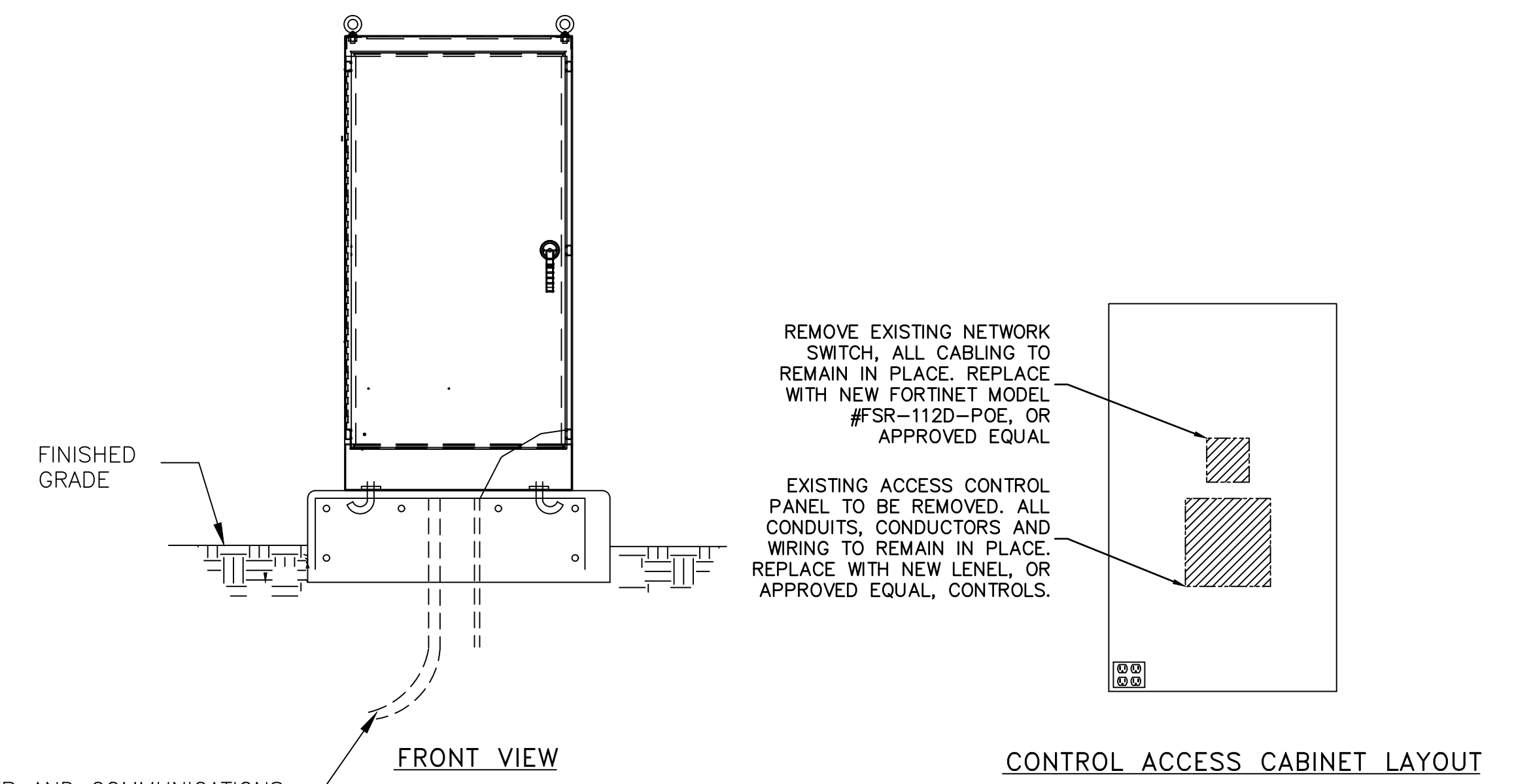
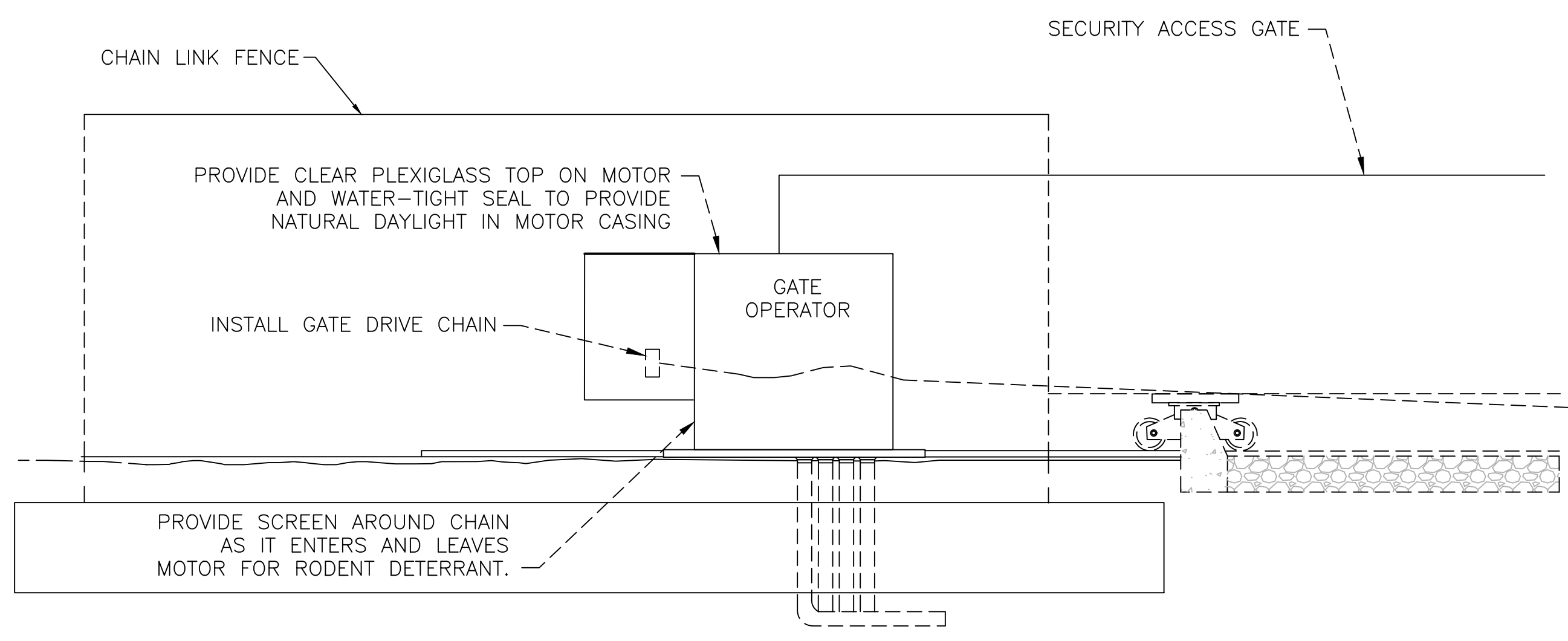
YUMA INTERNATIONAL AIRPORT
 NYL ACCESS CONTROL UPGRADES
 DCC GATE SITE PLAN

PROJECT NO. 291346002	SHEET NO. E-1.20
SHEET 24	TOTAL SHEETS 26



1 AUTOMATED GATE LAYOUT

3 TYPICAL CAMERA MOUNTING DETAIL



2 ELECTRICAL DETAILS

4 TYPICAL COMMUNICATIONS DETAIL

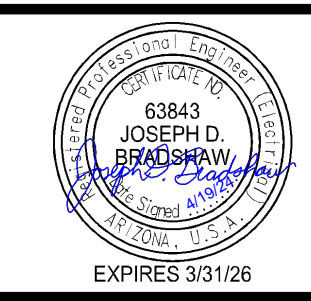
2024, Apr. 10, 10:46 AM. NYL Access Control Upgrades. E-2.0. See notes, especially for any information that may be specific to this project. This document, together with the concept and design generated hereby, is intended only for the specific purpose and client for which it was prepared. Reuse or improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

NO.	DATE	REVISION	BY	APPD.

Date 3/11/24
 Designed DT
 Drawn GB
 Checked JB

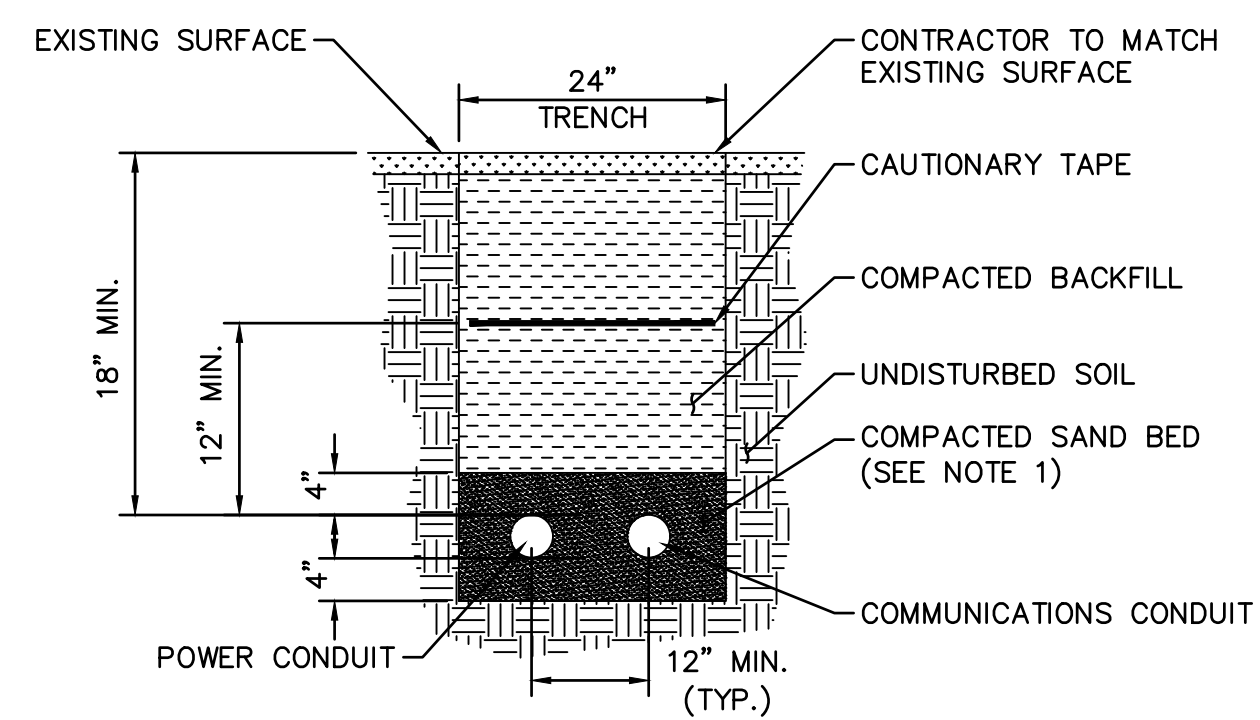
Kimley»Horn
 © 2023 KIMLEY-HORN AND ASSOCIATES, INC.
 1001 West Southern Avenue Suite 131
 Mesa, Arizona 85210
 (480) 207-2666

YUMA
 INTERNATIONAL
 AIRPORT
 YUMA, ARIZONA



YUMA INTERNATIONAL AIRPORT
 NYL ACCESS CONTROL UPGRADES
 ELECTRICAL DETAILS

PROJECT NO. 291346002	SHEET NO. E-2.0
SHEET 25	TOTAL SHEETS 26



1 TYPICAL CONDUIT TRENCH DETAIL

EXISTING 100A PANEL											
LOCATION: IT CLOSET			VOLTS: 120/240V			10K Series Rated					
SUPPLY FROM: EXISTING			PHASES: 1			MCB					
MOUNTING: FLUSH			WIRES: 3			100 A					
ENCLOSURE: NEMA 1						100 A					
CKT	CIRCUIT DESCRIPTION	TRIP	POLES	A (VA)		B (VA)		POLES	TRIP	CIRCUIT DESCRIPTION	CKT
1	RECEPTACLE	20	1	EXIST	EXIST			1	20	RECEPTACLE	2
3	LIGHTS	20	1			EXIST	EXIST	1	20	RECEPTACLE	4
5	A/C UNIT	20	1	EXIST	EXIST			1	20	RECEPTACLE	6
7	RECEPTACLE	20	1			EXIST	EXIST	1	20	RECEPTACLE	8
9	SPARE	20	1	EXIST	EXIST			2	30	30A RECEPTACLE	10
11						EXIST	EXIST				12
13	S SPOT LIGHTS	20	2	EXIST	1,176	EXIST	EXIST	1	20	ARM BAR MOTOR	14
15											16
17				-	-						18
19				-	-						20
21				-	-						22
23				-	-						24
TOTAL LOAD:				1,176 VA		0 VA					
TOTAL AMPS:				9.8 A		0 A					
PANEL TOTALS											
TOTAL CONN. LOAD (VA): EXISTING											
TOTAL EST. DEMAND (VA): EXISTING											
TOTAL CONN. (A): EXISTING											
TOTAL EST. DEMAND (A): EXISTING											

2 SIMMS BUILDING IT CLOSET PANEL SCHEDULE

2024, Apr. 10, 10:46 AM. This document is the property of Kimley-Horn and Associates, Inc. (KHA). It is intended only for the specific purpose and client for which it was prepared. Reuse of this document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

NO.	DATE	REVISION	BY	APPD.

Date 3/11/24
 Designed DT
 Drawn GB
 Checked JB

Kimley»Horn
 © 2023 KIMLEY-HORN AND ASSOCIATES, INC.
 1001 West Southern Avenue Suite 131
 Mesa, Arizona 85210
 (480) 207-2666

YUMA INTERNATIONAL AIRPORT
YUMA, ARIZONA

63843
 JOSEPH D. BRADSHAW
 EXPIRES 3/31/26



YUMA INTERNATIONAL AIRPORT
 NYL ACCESS CONTROL UPGRADES
 ELECTRICAL DETAILS

PROJECT NO. 291346002	
SHEET NO. E-2.1	
SHEET 25	TOTAL SHEETS 26