US Army Corps
of Engineers ®
MOBILE DISTRICT

FORT RUCKER, ALABAMA
CAIRNS REHABILITATE HELIPADS AND LIGHTS

PHASE 2 SEED PROJECT

MOBILE DISTRICT PROJECT CODE : MHY25004
SOLICITATION NUMBER: W9127824R0131/W9127826RA026
ISSUE DATE: OCTOBER 2026

AMENDMENT NO. 0002

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SHEET ID	SHEET TITLE
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ES111	BID OPTION 5 ELECTRICAL SITE PLAN
ES501	ELECTRICAL DETAILS
ES502	ELECTRICAL DETAILS
ES503	ELECTRICAL DETAILS

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MARK	DESCRIPTION	DATE

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U.S. ARMY CORPS OF ENGINEERS
MOBILE DISTRICT
109 SAINT JOSEPH STREET
MOBILE, ALABAMA

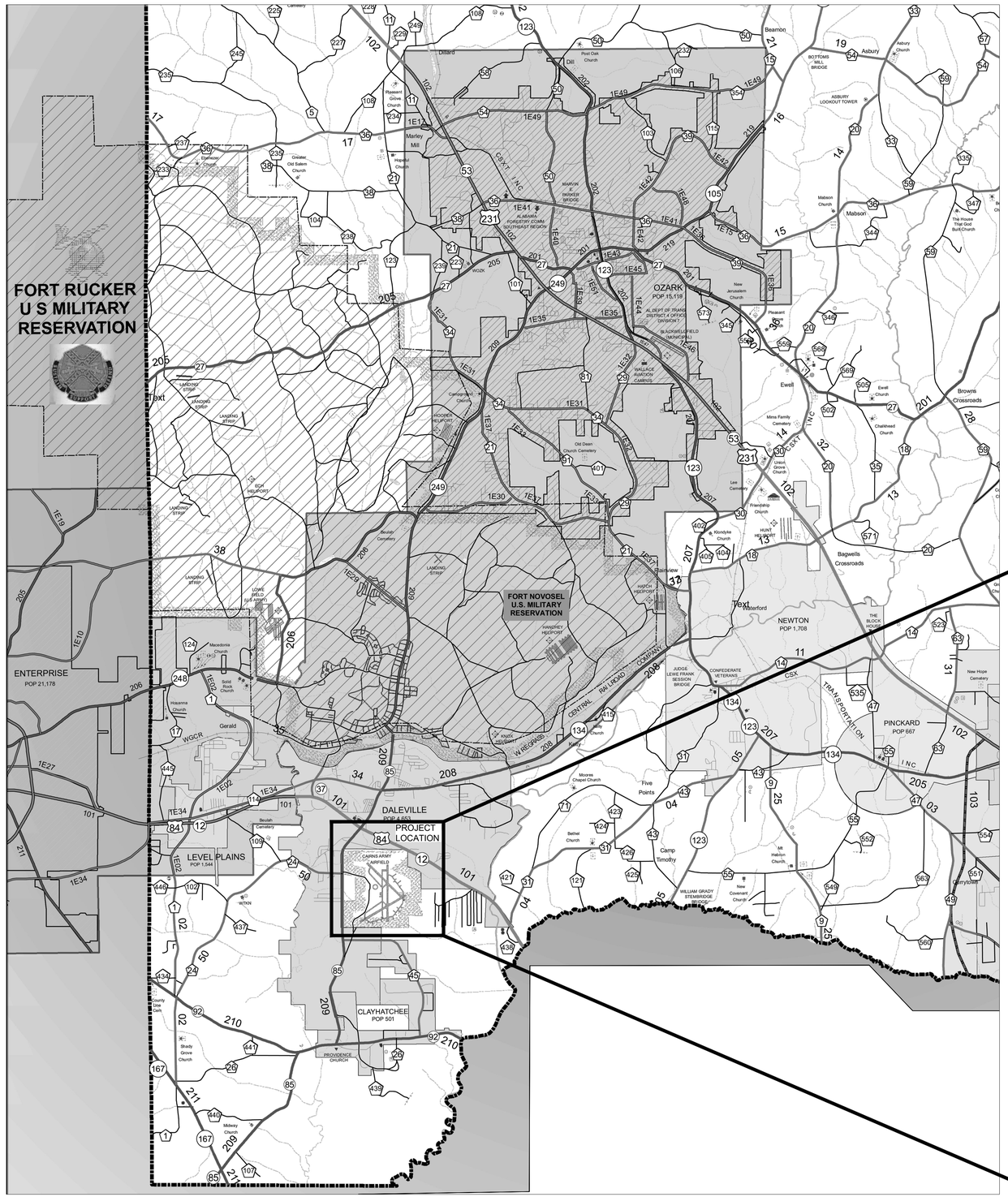
FT RUCKER, ALABAMA CAIRNS
REHABILITATE HELIPADS AND LIGHTS

INDEX OF DRAWINGS

SHEET ID

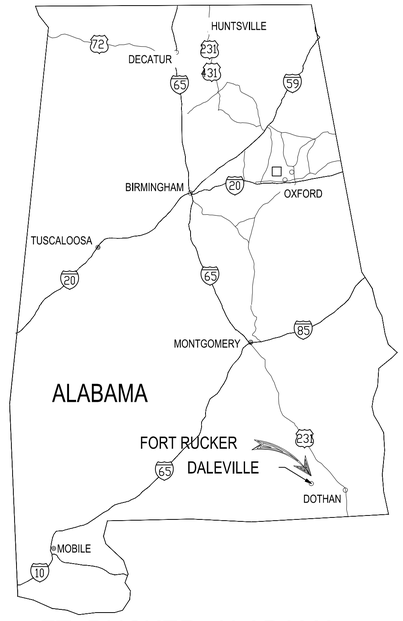
G-002

AMENDMENT NO. 0002



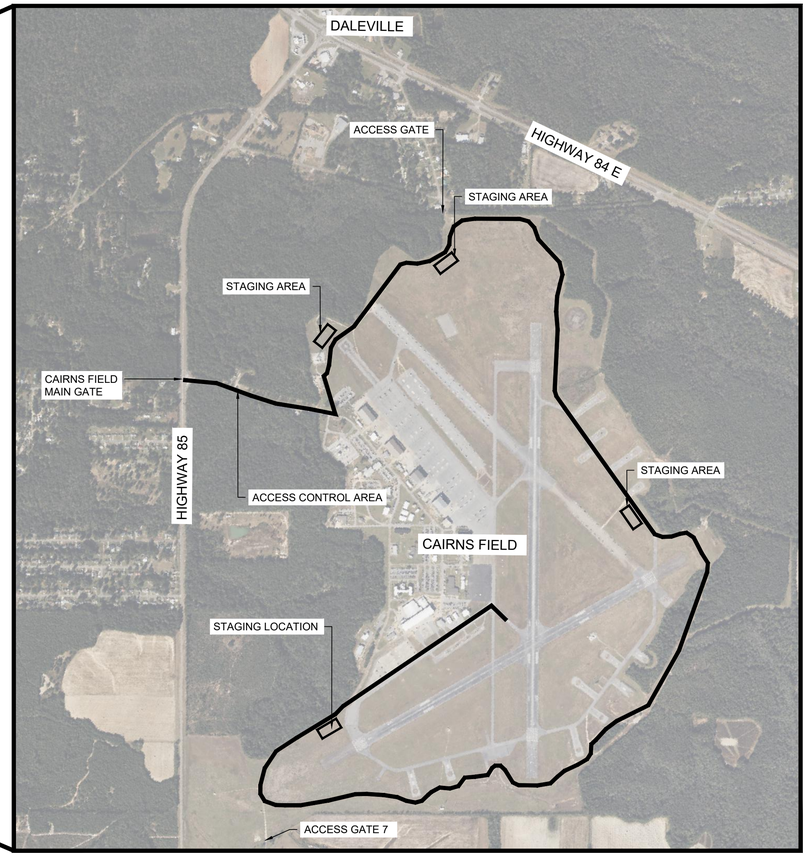
LOCATION MAP FORT RUCKER

SCALE: N.T.S.



FT. RUCKER, ALABAMA

SCALE: NTS



AIRFIELD ACCESS AND PERIMETER ROAD LAYOUT

SCALE: 1"=1000'

NOTES:

1. LAY DOWN AND CONTRACTOR STAGING AREAS ARE TO BE COORDINATED WITH THE COR AND AIRFIELD PRIOR TO START OF THE PROJECT. STAGING AREAS SHOWN ARE FOR APPROXIMATE LOCATIONS ONLY.

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MARK	DESCRIPTION	DATE

DESIGNED BY: W. CHAFFIN
DRAWN BY: S. TURNER
CHECKED BY: J. LONG
SUBMITTED BY: J. O'DONNELL
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U.S. ARMY CORPS OF ENGINEERS
MOBILE DISTRICT
100 CANAL STREET
MOBILE, ALABAMA

FORT RUCKER
REHABILITATE HELIPADS
AT CAIRNS FIELD

LOCATION AND VICINITY MAP

SHEET ID

C-001

AMENDMENT NO. 0002

A

@	AT
A/C	AMPS INTERRUPTING CAPACITY (SYM RMS)
A/E/C	ARCHITECT/ENGINEERING/CONSTRUCTION
AB	ANCHOR BOLT
ABT	ABOUT
AC	ALTERNATING CURRENT
ACSR	ALUMINUM CONDUCTOR STEEL REINFORCED
ACST	ACOUSTIC
AD	ACCESS DOOR OR AREA DRAIN
ADEM	ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
AFF	ABOVE FINISH FLOOR
AFFF	AQUEOUS FILM-FORMING FOAM
AFG	ABOVE FINISH GRADE
AGG	AGGREGATE
AHU	AIR HANDLING UNIT
AI	AREA INLET
AIC	AMPS INTERRUPTING CAPACITY (SYM RMS)
AL	ALUMINUM
ALT	ALTERNATE
ALDOT	ALABAMA DEPARTMENT OF TRANSPORTATION
AMP	AMPERE
ANSI	AMERICAN NATIONAL STANDARD INSTITUTE
AP	ACCESS PANEL
APPD	APPROVED
APPROX	APPROXIMATE
ARCH	ARCHITECTURAL
ASHTO	ASSOCIATION of STATE of HIGHWAY TRANSPORTATION OFFICIALS
ASPH	ASPHALT
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
ASUS	AMERICAN STATES UTILITY SERVICE
ASWG	AMERICAN WIRE GAUGE
AUTO	AUTOMATIC
AVE	AVENUE
AVG	AVERAGE
AWWA	AMERICAN WATER WORKS ASSOCIATION

B

B & B	BALL AND BURLAP
BCE	BASE CIVIL ENGINEER
BDY	BOUNDARY
BIT	BITUMINOUS
BL	BASE LINE
BLDG	BUILDING
BLDG. DIR.	BUILDING DIRECTORY
BLK	BLOCK
BLKG	BLOCKING
BM	BENCH MARK
BMP	BEST MANAGEMENT PRACTICE
BOC	BACK OF CURB
BOF	BOTTOM OF FOOTING
BOS	BOTTOM OF STEEL
BOT	BOTTOM
BRCG	BRACING
BRDG	BRIDGING
BRG	BEARING
BRKT	BRACKET
BT	BENT
BTU	BRITISH THERMAL UNIT
BTUH	BTU PER HOUR
BVCE	BEGIN VERTICAL CURVE ELEVATION
BVCS	BEGIN VERTICAL CURVE STATION

C

C TO C	CENTER TO CENTER
C&G	CURB & GUTTER
C. or CND	CONDUIT (for raceway)
C.I.	CAST IRON
C.O.E	CORPS OF ENGINEERS
CAB	CABINET
CADD	COMPUTER ADDED DESIGN AND DRAFTING
CAP	CAPACITY
CB	CATCH BASIN
cc:SPF	CLOSED CELL SPRAY FOAM INSUL.
CE	COVER ELEVATION
CEM	CEMENT
CFM	CUBIC FEET PER MINUTE
CG	CORNER GUARD
CI	CURB INLET
CIR	CIRCULAR
CJ	CONSTRUCTION JOINT
CKD	CHECKED
CKT	CIRCUIT
℄ or CL	CENTER LINE
CLG	CEILING
CLR	CRUSHED LIMEROCK BASE
CLOS	CLOSED
CMP	CORRIGATED METAL PIPE
CMU	CONCRETE MASONRY UNITS
CNTR	COUNTER
CO	CLEANOUT
COL	COLUMN
COM	COMMON
COMB	COMBINATION
COMB.	COMBUSTION
COMM	COMMUNICATIONS
COMP	COMPRESSIBLE
CONC	CONCRETE
CONN	CONNECTOR
CONSTR	CONSTRUCTION
CONT.	CONTINUOUS
COR	CONTRACTING OFFICERS REPRESENTATIVE
CORR	CORRIDOR
COV	COVERED
CP	CONCRETE PIPE
CPS or	CYCLES PER SECOND
CRES	CORROSIVE RESISTANT STEEL
CRG	CARRIAGE
CRS	COURSE
CSK	COUNTERSUNK
CSO	COMBINATION SEWER OUTFLOW
CTB	CEMENT TREATED BASE
CTR	CENTER
CTRL	CONTROL
CTU	CERAMIC TILE UNGLAZED
CU	CONDENSING UNIT
CU YD	CUBIC YARDS
CUH	CABINET UNIT HEATER
CW	COLD WATER
CWR	CHILLED WATER RETURN
CWRR	CHILLED WATER REVERSE RETURN
CWS	CHILLED WATER SUPPLY
CYL	CYLINDER

D

d	PENNY (as in nail-10d)
D	DATUM OR DRYER
D&M	DRESSED & MATCHED
D or DBL	DOUBLE
D.C.J.	DOWELED CONTROL JOINT
D.I.	DUCTILE IRON
DA	DOUBLE ACTING
DB	DRY BULB
DC	DIRECT CURRENT
DCJT	DUMMY CONTROL JOINT
DCL	DOOR CLOSER
DDESB	DEFENSE EXPLOSIVE SAFETY BOARD
DEG	DEGREE
DEPR	DEPRESSION
DEPT	DEPARTMENT
DF	DRINKING FOUNTAIN
DH	DOUBLE HUNG
DHWR	DOMESTIC HOT WATER RETURN
DHWS	DOMESTIC HOT WATER SUPPLY
DIA or ~	DIAMETER
DIAG	DIAGONAL
DIAPH	DIAPHRAGM
DIM	DIMENSION
DIST	DISTRIBUTION
DN STR	DOWN STREAM
DND	DO NOT DISTURB
DOIM	DIVISION OF INFORMATION MANAGEMENT
DOM	DOOR OPERATOR MOTOR
DP	DAMPPROOFING
DPST	DOUBLE POLE SINGLE THROW
DPW	DEPARTMENT of PUBLIC WORKS
DR	DRAIN
DS	DOWN SPOUT
DSYTS	DOUBLE SOLID YELLOW TRAFFIC STRIPE
DTL	DETAIL
DWG	DRAWING
DWLS	DOWELS

E

E	EAST
EA	EACH
EF	EXHAUST FAN
EJF	EXPANSION JOINT FILLER
EOC	EDGE OF CURB
EOP	EDGE OF PAVEMENT
EL or ELEV	ELEVATION (GRADE or BLDG)
ELEC	ELECTRICAL OR ELECTRIC
EM	EMERGENCY
ENCL	ENCLOSURE
ENG.	ENGINEERING
ENT	ENTRANCE
EOC	EDGE OF CURB
EOD	EXPLOSIVE ORDINANCE DISPOSAL
EP or EOP	EDGE OF PAVEMENT
EPA	ENVIRONMENTAL PROTECTION AGENCY
EQ	EQUAL
EQUIP	EQUIPMENT
ERP	ENVIRONMENTAL RESOURCE PERMIT
EST	ESTIMATE
EW	EACH WAY
EXC	EXCAVATE
EX or EXIST	EXISTING
EXP	EXPOSED
EXPN	EXPANSION
EXT	EXTERIOR
EVCE	END VERTICAL CURVE ELEVATION
EVCS	END VERTICAL CURVE STATION

F

F	FAHRENHEIT
A.A.A.	FEET PER MINUTE
F.S.	FAR SIDE OR FULL SIZE
FA	FRESH AIR
FCU	FAN COIL UNIT
FC	FOOT CANDLE
FCG	FACING
FDN	FOUNDATION
FEC	FIRE EXTINGUISHER CABINET
FED	FEDERAL
FES	FLARED END SECTION
FFE	FINISH FLOOR ELEVATION
FG	FINISH GRADE
FH	FIRE HYDRANT
FHC	FIRE HOSE CABINET
FHWA	FEDERAL HIGHWAY ADMINISTRATION
FIG	FIGURE
FIN.	FINISH
FIX.	FIXTURE
FL	FLOOR
FLASH.	FLASHING
FLG	FLOORING
FLUOR	FLUORESCENT
FOC	FIBER OPTIC CABLE
FP	FIRE PROTECTION
FPRF	FIRE PROOF
FR	FRAME OR FIRE RATED
FT	FEET OR FINNED TUBE
FTG	FOOTING
FURR'G	FURRING

G

G	GAS
G.C.O.	GROUND CLEAN OUT
G.V.	GATE VALVE
GA	GAUGE
GAB	GRADED AGGREGATE BASE
GAL	GALLON
GALV	GALVANIZED
GCAB	GRADED CRUSHED AGGREGATE BASE
GEN	GENERAL
GI	GALVANIZED IRON
GIS	GEOGRAPHICAL INFORMATION SYSTEMS
GL	GLASS
GOVT.	GOVERNMENT
GPM	GALLONS PER MINUTES
GR	GRADE
GRND	GROUND
GRTG	GRATING
GRVL	GRAVEL
GTD	GRADE TO DRAIN
GWT	GLAZED WALL TILE
GYP	GYPSUM

H

H.P.	HIGH POINT
H.S.	HIGH STRENGTH
HB	HOSE BIBB
HBD	HARDBOARD
HDW	HARDWARE
HDR	HEADER
HHEP	HORIZONTAL ELLIPTICAL PIPE
HMA	HOT MIX ASPHALT
HOA	HANDS OFF AUTO
HP	HORSE POWER
HPW	HIGH PRESSURE WASHER
HR	HOUR
HSB	HIGH STRENGTH BOLT
HT	HEIGHT
HTG	HEATING
HW	HOT WATER
HWH	HOT WATER HEATER
HWR	HOT WATER RETURN
HWS	HOT WATER SUPPLY
HYD	HYDRAULIC

I

I OR FE	IRON
ID or I.D.	INSIDE DIAMETER
I.P.	IRON PIPE
IAW	IN ACCORDANCE WITH
IBC	INTERNATIONAL BUILDING CODE
IC	INTERCOM
IE	INVERT ELEVATION
IES	ILLUMINATING ENG. SOCIETY
IESCR	INTERRUPTING ELECTRICAL SHORT CIRCUIT RATING
IN	INCH
INSUL.	INSULATION
INT	INTERIOR
INV	INVERT
IRH	INFRA-RED HEATER
IS	INDUSTRIAL SEWER

J

JB	JUNCTION BOX
JC	JANITOR CLOSET
JCT	JUNCTION
JST	JOIST
JT	JOINT

K

K	ALGEBRAIC DIFFERENCE IN GRADE / LENGTH VERTICAL CURVE
K	KILO OR THOUSAND
KIT	KITCHEN
KL	KEY LOCK
KP	KICK PLATE
KSF	KIPS/SQUARE FOOT
KSI	KIPS/SQUARE INCH
KV	KILOVOLTS
KVA	KILOVOLTS AMPERES
KVAR	KILOVOLTS AMPERES REACTIVE
KW	KILOWATTS
KWH	KILOWATTS HOUR METER

L

L	LUMEN
LAU	LAUNDRY
LAV	LAVATORY
LBR	LUMBER
LBS	POUND
LD	LOAD
LDG	LOADING
LG	LENGTH
LF	LINEAR FEET
LIS	LAWN IRRIGATION SYSTEM
LLH	LONG-LEG HORSZONTAL
LLV	LONG-LEG VERTICAL
LNDG	LANDING
LNTL	LINTEL
LOD	LIMITS OF DISTURBANCE
LONG	LONGITUDIONAL
LP	LOW POINT
LPS	LIGHT PROOF SHADE
LT	LIGHT
LT. WT.	LIGHT WEIGHT
LVC	LENGTH VERTICAL CURVE

M

M	ROMAN NUMERAL FOR THOUSAND OR METER
M & B	MATCHED AND BEADED
MAN	MANUFACTURER
MACH	MACHINE
MAS	MASONRY
MAT	MATERIAL
MAX	MAXIMUM
MC	MEDICINE CABINET
MCM	THOUSAND CIRCULAR MILLS
MDD	MAXIMUM DRY DENSITY
ME	MATCHING EXISTING
MECH	MECHANICAL
MES	MITERED END SECTION
MET.	METAL
MFG	MANUFACTURING
MFR	MANUFACTURE
MG	MOTOR GENERATOR
MH	MANHOLE
MHGY	MAHOGANY
MIN	MINUMUM
ML	METAL LATH
MLDG	MOULDING
MO	MASONRY OPENING
MON	MONUMENT
MONO	MONOLITHIC
MOT	MOTOR
MSTC	MASTIC
MT	METAL THRESHOLD
MTD	MOUNTED
MTN	MOUNTAIN
MUTCD	MANUAL FOR UNIFORM TRAFFIC CONTROL DEVICES
MW	MONITORING WELL

N

N	NORTH
NAVD	NORTH AMERICAN VERTICAL DATUM
NEC	NATION ELECTRICAL CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURERS' ASSOCIATION
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NIC	NOT IN CONTRACT
NO.	NUMBER
NOI	NOTICE OF INTENT
NPS	NOMINAL PIPE SIZE
NTP	NOTICE TO PROCEED

O

OA	OUTSIDE AIR
OB WG	OBSCURE WIRE GLASS
OBGL	OBSCURE GLASS
OBSC	OBSCURE
OC or O.C.	ON CENTER
OD	OUTSIDE DIMENSION
OFF.	OFFICE
OH	OVERHEAD
OPNG	OPENING
OPP	OPPOSITE
OPP. HD.	OPPOSITE HAND
OPS	OPERATIONS
OSHA	OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
OSP	OUTSIDE PLANT CABLE
OVSCP	OVERFLOW SCUPPER
OWS	OIL WATER SEPARATOR

P

P	POLE
P. LAM.	PLASTIC LAMINATE
P/S	PRESTRESSED
PA	PUBLIC ADDRESS
PAN. B	PANIC BOLT
PBS	PUSH BUTTON STATION
PCC	PORTLAND CEMENT CONCRETE
PD	PAVEMENT DRAIN
PERF	PERFORATED
PH or 0	PHASE
PI	POINT OF INTERSECTION
PIV	POST INDICATOR VALVE
PL	PLATE
PLAS	PLASTER
PLATF	PLATFORM
PLBG	PLUMBING
PLG	PILING
PLY WD	PLYWOOD
PNL	PANEL
PNL BD	PANEL BOARD
POL	POLISH
PORC	PORCELAIN
POB	POINT OF BEGINNING
PP	POWER POLE
PR	PAIR
PREFAB	PREFABRICATED
PROJ	PROJECTION
PROP	PROPOSED
PRPT	PARAAPET
PRT	PHYSICAL READINESS TRAINING
PRV	PRESSURE REGULATING VALVE
PSF	POUND/SQUARE FOOT
PSI	POUNDS/SQUARE INCH
PT	POINT
PTD	PAINTED
PVC	POLYVINYL CHLORIDE
PVMT	PAVEMENT

Q

QD	QUANTITY DISTANCE
¼ RD	QUARTER ROUND
Q.T.	QUARRY TILE
QT	QUART
QTERS	QUARTERS

R

R	RISER
R.D.	ROOF DRAIN
R.S.	ROOF SCUTTLE
RA	RETURN AIR
RAD or R	RADIUS
RB	RUBBER BASE
RC	RADIATOR CONVECTOR
RC	REMOTE CONTROL PIPE
RCB	REINFORCED CONCRETE BOX
RCP	REINFORCED CONCRETE PIPE
RCVR	RECEIVER
RD	ROAD
RD OR ~	ROUND
RECP	RECEPTACLE
RECR	RECREATION
REF or RE:	REFERENCE
REFR	REFRIGERATOR
REG	REGISTER OF REGULAR
REINF	REINFORCEMENT
REM	REMOVABLE
REQ'D	REQUIRED
REQMTS	REQUIREMENTS
REV	REVISIONS
RGE	RANGE
RGH	ROUGH
RM	ROOM
ROW	RIGHT OF WAY
RUB	RUBBER

S

S	SOUTH
S.T.	SUPPLY DIFFUSER
SST	STAINLESS STEEL
S/W	SIDEWALK
SA	SUPPLY AIR
SAF	SUPPLY AIR FAN
SB	SPLASH BLOCK
SCHD	SCHEDULE
SCP	SCUPPER
SCR	SCREW
SCUT	SCUTTLE
SD	STORM DRAIN
SDMH	STORM DRAIN MANHOLE
SEC	SECTION
SECY	SECRETARY
SEQ	SEQUENCE
SFU	STRUCTURAL FACING UNIT
SHLD	SHOULDER
SHT	SHEET
SHTHG	SHEATHING
SIM	SIMILAR
SM	SAND SILTY SAND POORLY GRADED
SPA	SPACING
SPDT	SINGLE POLE DBL THROW
SPEC	SPECIFICATIONS
SPF	SOUNDPROOF
SPH	SPACE HEATER
SPKR	SPEAKER
SPL	SPECIAL
SQ	SQUARE
SQUAD	SQUADRON
SR	SUPPLY REGISTER
SS	SANITARY SEWER
SSMH	SANITARY SEWER MANHOLE
SSMR	STRUCTURAL STANDING SEAM METAL ROOF PANELS
ST	STRAND OR STREET
STA	STATION
STD	STANDARD
STF	STIFFENER
STGR	STRINGER
STL	STEEL
STN	STONE
STOR	STORAGE
STR	STRUCTURAL
STWY	STAIRWAY
SU	SPARE UNIT
SUB FL	SUB FLOOR
SUSP	SUSPENDED
SW	SWITCH
SWPPP	STORMWATER POLLUTION PREVENTION PLAN
SYMM	SYMMETRICAL

T

T	THREAD
T.O.	TOP OF
TA	TRAINING AREA
TAB	TOP AND BOTTOM
TAN.	TANGENT
TAP	WATTAGE TAP
TBD	TO BE DETERMINED
TBR&R	TO BE REMOVED AND REPLACED
TCP	TRAFFIC CONTROL PLAN
TEL	TELEPHONE
TEMP	TEMPERATURE
TERM	TERMINAL
TGL	TOGGLE
TH	THRESHOLD
THERMO	THERMOSTAT
THK	THICK
TOC	TOP OF CONCRETE
TOIL.	TOILET
TOPO	TOPOGRAPHY
TOS	TOP OF STEEL
TP	TEST PIT
TTB	TELEPHONE TERMINAL BOARD
TV	TELEVISION
TYP	TYPICAL

U

U.S.	UNITED STATES
UC	UNIT COOLER
UFC	UNITED FACILITIES CRITERIA
UG	UNDERGROUND
UGE	UNDERGROUND ELECTRIC
UFGS	UNITED FACILITIES GUIDELINE SPECIFICATIONS
UH	UNIT HEATER
UIP	USE IN PLACE
UL	UNDERWRITERS LABORATORIES
UNCNST	UNDER CONSTRUCTION
UNEX	UNEXCAVATED
UNFIN	UNFINISHED
UNO	UNLESS NOTED OTHERWISE
UPSTR	UPSTREAM
USACE	UNITED STATES ARMY CORPS OF ENGINEERS
UT	UTILITY
UV	UNIT VENTILATOR

V

V	VOLT
VB	VINYL BASE
VCP	VITRIFIED CLAY PIPE
VENT	VENTILATION OR VENTILATOR
VERT	VERTICAL
VFDU	VARIABLE FREQUENCY DRIVE UNIT
VOL	VOLUME
VS	VENT STACK
VTR	VENT THRU ROOF

W

W	WEST
W.E.	WATER ELEVATION
W.I.	WROUGHT IRON
W/	WITH
W/O	WITHOUT
WB	WET BULB
WC	WATER
WD	WOOD
WF	WIDE
WH	WALL HYDRANT
WHM	WATT HOUR METER
WKS	WORK SHOP
WL	WATER LINE
WP	WEATHER PROOF
WPF	WATER PROOF
WPFG	WATER PROOFING
WRB	WARDROBE
WS	WASTE STACK OR WEATHER STRIPPING
WSA	WEAPON STORAGE AREA
WT	WEIGHT
WTCM	WHITE TRAFFIC CONTROL MARKING
WV	WATER VALVE
WWF	WELDED WIRE FABRIC

X

XCO	EXISTING CLEANOUT
XFMR	TRANSFORMER

Y

Y.D.	YARD DRAIN
YD	YARD

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY: W. CHAFFIN
DRAWN BY: S. TURNER
CHECKED BY: J. LONG
SUBMITTED BY: J. O'DONNELL
ISSUE DATE: JULY 2026
SOLICITATION NO.: -
CONTRACT NO.: -
PROJECT NUMBER: MHY25004
SIZE: MHY25004 C-002

U.S. ARMY CORPS OF ENGINEERS
MOBILE DISTRICT
100 CANAL STREET
MOBILE, ALABAMA

FORT RUCKER
REHABILITATE HELIPADS
AT CAIRNS FIELD

ABBREVIATIONS

SHEET ID
C-002

AMENDMENT NO. 0002

SURVEY / EXISTING CONDITIONS LEGEND

- AIR CONDITIONING UNIT
- BACKFLOW PREVENTER
- CABLE BOX
- CATCH BASIN
- CLEANOUT
- COMMUNICATION MANHOLE
- COMMUNICATION PEDESTAL
- COMMUNICATION POLE
- COMMUNICATIONS VAULT
- DISTANCE MARKER
- DROP INLET
- ELECTRIC JUNCTION BOX
- ELECTRIC MANHOLE
- ELECTRIC TRANSFORMER
- ELECTRIC VAULT
- EXISTING CONTOURS
- EXISTING SPOT ELEVATION
- FIRE HYDRANT
- GAS VALVE
- GAS METER
- GATE
- GUY WIRE ANCHOR
- HEADWALL or ENDWALL
- LIGHT POLE
- LIGHT RUNWAY
- LIGHT RUNWAY THRESHOLD
- LIGHT TAXIWAY
- MONITORING WELL (GROUND WATER)
- POWER POLE AND GUY ANCHOR
- POWER POLE
- RIP RAP
- SANITARY SEWER MANHOLE
- SIGN
- STORM DRAIN INLET
- STORM DRAIN MANHOLE
- SURVEY CONTROL POINT
- SHRUB LOCATION
- TREE
- TANK OVER FLOW
- TELEPHONE PULL BOX
- TEMPORARY BENCHMARK
- TEST HOLE LOCATION
- UNKNOWN MANHOLE
- UNKNOWN VALVE
- UNKNOWN VAULT
- UTILITY HANDHOLE
- WATER METER
- WATER VALVE
- WATER VALVE VAULT
- CENTERLINE
- COMMUNICATIONS LINE
- DITCH CENTER LINE
- END OF INFORMATION
- ELECTRICAL LINE
- FENCE LINE
- GAS LINE
- LINE CONTINUES
- OVERHEAD ELECTRIC
- RUNWAY APPROACH LIGHT BAR
- SANITARY SEWER LINE
- SECURITY FENCE
- STORM DRAIN
- GIS SANITARY SEWER LINE
- TREE LINE
- WATER LINE

DEMOLITION / REMOVAL LEGEND

- CONSTRUCTION / PROJECT LIMITS
- CLEARING AND GRUBBING
- CONTRACTOR STAGING AREA
- MILLING AND OVERLAY
- ASPHALT PAVEMENT REMOVAL
- CONCRETE PAVEMENT REMOVAL
- AGGREGATE REMOVAL

NEW WORK LEGEND

- LIMITS OF CLEARING & GRUBBING / CONSTRUCTION
- PRIMARY SURFACE
- CONCRETE VALLEY GUTTER
- PROPOSED CONTOURS
- STORM DRAIN
- SUBDRAIN
- SUBDRAIN OUTLET LINE
- WATERLINE
- SANITARY SEWER
- SILT FENCE BARRIER
- RAILROAD
- TREE LINE
- WASTE DRAIN
- CABLE BARRIER
- UNDERGROUND ELECTRICAL SERVICE
- UNDERGROUND COMMUNICATION SERVICE
- FIRE PROTECTION WATERLINE
- GAS
- GAS MAIN
- CENTERLINE
- DITCH CENTER LINE
- TEMPORARY FE-6 SECURITY FENCE
- FE-6 SECURITY FENCE
- CORE BORING LOCATION
- BARRICADE, TYPE III
- SPLASH BLOCK WITH GCAB
- OBJECT MARKER
- SIGN
- NORTHING - EASTING LABEL
- STORM DITCH FLOW DIRECTION
- DRILL HOLE
- POST INDICATOR VALVE
- PROPERTY LINE MONUMENT
- BOLLARD
- FIRE HYDRANT
- GATE VALUE & VALVE BOX OR SERVICE STOP & BOX
- SPOT GRADE ELEVATIONS
- CULVERT
- AIRFIELD HIGH STRENGTH HMA (HOT MIX ASPHALT) PAVEMENT
- SHOULDER HMA (HOT MIX ASPHALT) PAVEMENT
- AIRFIELD PCC PAVEMENT
- AGGREGATE ROADWAY

DETAIL IDENTIFICATION SYMBOL

SHEET GRID COLUMN LOCATION

G7 DETAIL/SECTION / ELEVATION TITLE
SCALE:

SHEET GRID ROW LOCATION

NOTE: SHEET GRID COLUMN AND ROW LOCATION REFER TO THE LETTERS AND NUMBER WHICH OCCUR ON LEFT SIDE AND TOP OF BORDER.

DETAIL INDICATOR SYMBOL

DETAIL IDENTIFICATION

G7
VF401

SHEET NUMBER ON WHICH DETAIL OCCURS

CS101

- 2-DIGIT DISCIPLINE DESIGNATOR (SEE TABLE 1)
- 1-DIGIT SHEET TYPE DESIGNATOR (0-9)
- 2-DIGIT SHEET SEQUENCE (00-99)

TABLE 1: DISCIPLINE DESIGNATOR

GI	INDEX/LEGEND SHEETS
VF	SURVEY EXISTING CONDITIONS
V-	SURVEY MONUMENTATION
C-	CIVIL GENERAL
CD	CIVIL DEMOLITION
CS	CIVIL SITE
CG	CIVIL GRADING
CP	CIVIL SITE PAVING
CU	CIVIL SITE UTILITY

LEGEND NOTES:

1. THESE LEGENDS ARE COMPOSED OF STANDARD SYMBOLS AND ARE PERTINENT TO THE CONDITIONS ON THIS SET OF DRAWINGS TO THE EXTENT APPLICABLE.

2. ADDITIONAL LEGENDS AND/OR ANOTHER LEGEND SHEET MAY APPEAR IN THIS SET OF DRAWINGS TO INDICATE SPECIFIC CONDITIONS IN LIEU OF SYMBOLS SHOWN ON THIS SHEET.

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY: W. CHAFFIN
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U.S. ARMY CORPS OF ENGINEERS
MOBILE DISTRICT
100 CANAL STREET
MOBILE, ALABAMA

FORT RUCKER
REHABILITATE HELIPADS
AT CAIRNS FIELD

LEGEND

SHEET ID
C-003

AMENDMENT NO. 0002

GENERAL NOTES:

1. THIS PROJECT IS LOCATED WITHIN A RESTRICTED AIRFIELD. ACCESS ON AND OFF AIRFIELD SHALL BE COORDINATED THROUGH THE COR, THE AIRFIELD MANAGER AND THE AIR TRAFFIC CONTROL TOWER.
2. THE AIRFIELD WILL REMAIN ACTIVE DURING CONSTRUCTION OPERATIONS.
3. CONTRACTOR SHALL YIELD TO AIRCRAFT AT ALL TIMES.
4. COORDINATE WITH AIRFIELD OPERATIONS AND G3 AIRSPACE, THROUGH THE COR, REGARDING ANY REQUIRED NOTAM'S FOR AIRFIELD.
5. ALL WORK SHALL BE PERFORMED IN ACORDANCE WITH THESE PLANS AND SPECIFICATIONS AND THE REQUIREMENTS AND STANDARDS OF ALL GOVERNING AUTHORITIES.
6. PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONFIRMING THAT ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN OBTAINED. NO CONSTRUCTION OR FABRICATION SHALL BEGIN UNTIL THE CONTRACTOR HAS RECEIVED AND THOROUGHLY REVIEWED ALL PLANS AND OTHER DOCUMENTS APPROVED BY ALL OF THE PERMITTING AGENCIES.
7. WEEKLY BRIEFINGS SHALL BE CONDUCTED BY THE CONTRACTOR WITH THE COR, FOR THE PURPOSE OF COORDINATING CONSTRUCTION ACTIVITIES AND ACTIVITIES SCHEDULED NEARBY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE INTERVAL (WEEKLY, BIWEEKLY, ETC.) FOR THE REQUIRED BRIEFINGS PRIOR TO COMMENCEMENT OF SITE CONSTRUCTION ACTIVITY. THE AIRFIELD OPERATIONS OFFICER AND/OR THE COR SHALL HAVE THE AUTHORITY TO IMMEDIATELY SUSPEND AUTHORIZATION TO WORK FOR SAFETY, SECURITY, SCHEDULE OR OTHER REASONS.
8. CONTRACTOR LAYDOWN AND STAGING AREA SHALL BE LOCATED AS SHOWN ON THE PLANS.
9. ACCESS TO THE AIRFIELD SHALL BE THROUGH THE MAIN GATE. CONSTRUCTION ACCESS CAN BE GRANTED BY AIRFIELD OPERATIONS TO THE ACCESS GATES AS SHOWN ON THE PLANS. THE CONTRACTOR MUST COORDINATE ACCESS TO EXTERIOR GATES WITH WITH THE COR AND AIRFIELD OPERATIONS. THE BASE MAIN GATE IS OPERATIONAL 24 HOURS A DAY.
10. ALL WORK SHALL BE SUBJECT TO INSPECTION BY AUTHORIZED PERSONNEL OF STATE, LOCAL, AND GOVERNMENT REGULATORY AGENCIES AND THE COR.
11. THE GENERAL CONTRACTORS WORKING HOURS ARE TO BE 0700 TO 1700. ANY DEVIATION FROM STANDARD WORKING HOURS SHALL BE COORDINATED WITH AIRFIELD OPERATIONS THROUGH THE COR PRIOR TO COMMENCING WORK.
12. NIGHT WORK SHALL BE COORDINATED WITH THE COR AND AIRFIELD MANAGER. LIGHTING SHALL NOT INTERFERE WITH AIRFIELD OPERATIONS.
13. THE CONTRACTOR SHALL INSPECT THE WORK AREA FOR FOD DAILY. SWEEPING OF THE AIRFIELD TO OCCUR DAILY AT THE END OF CONSTRUCTION OPERATIONS ALONG THE WORK AREA AND HAUL ROUTE WITHIN THE AIRFIELD.
14. INSTALL TEMPORARY CONSTRUCTION FENCE TO DEFINE THE LIMITS OF WORK. CONTRACTORS TO MAINTAIN EMERGENCY VEHICLE ACCESS THROUGH CONSTRUCTION SITE AT ALL TIMES.
15. ACCESS ROUTES MAY BE SUBJECT TO CHANGE BASED ON OPERATIONAL REQUIREMENTS ON BASE. POTENTIAL SCHEDULE IMPACTS SHALL BE COORDINATED WITH THE COR.
16. THE EXISTING BASE ROAD SPEED LIMITS AND LOAD LIMITS ARE STRICTLY ENFORCED, COORDINATE WITH COR FOR LIMITS.
17. EXISTING BASE ROADS USED AS HAUL ROADS SHALL BE MAINTAINED SUCH THAT UNOBSTRUCTED ACCESS WILL BE PROVIDED AT ALL TIMES FROM THE ROAD TO THE STAGING AREA AND FROM THE STAGING AREA TO THE WORK SITE AND FACILITATE GOVERNMENT ACCESS TO THE BASE AT ALL TIMES. THE MAINTENANCE OF HAUL ROADS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AT NO ADDITIONAL COST TO THE GOVERNMENT. THE HAUL ROUTE LOCATIONS SHALL BE AS INDICATED ON THE DRAWINGS AND APPROVED BY THE COR. THE CONTRACTOR IS REQUIRED TO IMMEDIATELY CLEAN ANY DEBRIS DEPOSITED ONTO THE SITE, ROADS, ETC FROM CONTRACTOR'S EQUIPMENT OR OPERATIONS. MATERIAL DROPPED/SPILLED WITHIN THESE AREAS SHALL BE CONTINUOUSLY REMOVED BY APPROVED METHODS DURING WORKING HOURS.
18. EXISTING UTILITIES TO REMAIN. RAISE MANHOLE TOPS TO FINISHED GRADE AS REQUIRED. CONTRACTOR SHALL HAVE A SIGNED DIG PERMIT ON SITE PRIOR TO START OF CONSTRUCTION. DIG PERMIT SHALL BE LOCATED ON SITE AT ALL TIMES AND BE UPDATED AS REQUIRED THROUGHOUT THE PROJECT.
19. CONTRACTOR SHALL PROVIDE A MINIMUM 21 DAY NOTICE TO THE BASE, THROUGH THE COR, PRIOR TO ANY REQUESTED CLOSURES. THE 21 DAY ADVANCE NOTICE DOES NOT MEAN THE REQUEST WILL BE AUTOMATICALLY APPROVED. THE CONTRACTOR IS TO COORDINATE WITH THE BASE AND COR TO FINALIZE DATES OF CLOSURE. IF ANY EMERGENCY ROUTES REQUIRE CLOSURE DUE TO CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL NOTIFY THE COR, POLICE, FIRE AUTHORITY, AND ALL OTHER EMERGENCY SERVICES OF THE CLOSURE 21 DAYS IN ADVANCE FOR APPROVAL.
20. CONTRACTOR SHALL COORDINATE ACTIVES THROUGHOUT THE PROJECT IN A MANNER THAT ALLOWS EMERGENCY ACCESS TO ALL EXISTING ROADWAYS AT ALL TIMES WITHOUT DELAY TO EMERGENCY VEHICLES RESPONSE TIMES.
21. CONTRACTOR SHALL PROVIDE AND INSTALL A PROFESSIONALLY PAINTED SIGN, MEETING COR APPROVAL, AT THE CONSTRUCTION ENTRANCE TO DIRECT MATERIAL SUPPLIERS AND EMPLOYEES TO THE CONSTRUCTION SITE. CONTRACTOR SHALL PROVIDE A MINIMUM NOTICE OF 48 HOURS TO THE COR REGARDING OVERSIZED OR CONSTRUCTION DELIVERIES. CONTRACTOR SHALL COORDINATE DELIVERS WITH BASE SECURITY FORCES BY SUBMISSION OF THE CORRECT ENTRY PASS PAPERWORK VIA THE COR.
22. ALL CONTRACTOR VEHICLES AND PERSONNEL MAY BE SEARCHED BY BASE SECURITY POLICE WHEN ENTERING THE BASE AND MAY EXPERIENCE DELAYS. ALL PERSONNEL ENTERING CAIRNS FIELD, FT RUCKER, MUST HAVE A VALID PHOTO ID PER BASE SECURITY REQUIREMENTS. ALL VEHICLES ENTERING THE BASE MUST HAVE CURRENT/VALID REGISTRATION, CURRENT/VALID INSURANCE, AND CURRENT/VALID DRIVER'S LICENSE FOR THE OPERATOR. ALL CONTRACTOR VEHICLES AND PERSONNEL SHALL BE RESPONSIBLE FOR COORDINATING WITH THE BASE SECURITY OFFICER IN OBTAINING PROPER SECURITY CLEARANCE AND BADGING PRIOR TO ENTERING SECURE AREAS.
23. ALL CONSTRUCTION EQUIPMENT AND CONTRACTOR CONSTRUCTION VEHICLES SHALL BE MARKED WITH COMPANY PAINTED DESIGNS, INSIGNIAS OR OTHER COMPANY MARKINGS, WHICH ARE CLEARLY VISIBLE.
24. CONSTRUCTION EQUIPMENT SHALL HAVE AUTOMATIC SIGNALING DEVICES TO SOUND AN ALARM WHEN MOVING IN REVERSE.
25. ONLY RUBBER-TIRED VEHICLES SHALL BE ALLOWED ON EXISTING PAVEMENT THAT IS TO REMAIN.
26. WHEN NOT ENGAGED IN CONSTRUCTION ACTIVITIES, THE CONTRACTOR'S CONSTRUCTION EQUIPMENT AND VEHICLES SHALL BE PARKED WITHIN THE STAGING AREA OR FENCED CONSTRUCTION AREA.
27. THE CONTRACTOR SHALL COORDINATE WITH COR CONCERNING ANY GOVERNMENT OWNED EQUIPMENT REQUIRING RELOCATION TO COMPLETE PROJECT WORK.
28. THE CONTRACTOR SHALL MAINTAIN SAFETY PRACTICES THAT CONFORM TO OSHA REGULATIONS AND USACE SAFETY MANUAL.
29. THE CONTRACTOR SHALL PROVIDE A PORTABLE TEMPORARY SHELTER (64 SQ. FT. MINIMUM) ALONG WITH A PORTABLE LATRINE FOR GOVERNMENT PERSONNEL TO MAN THE ACCESS GATES TO THE AIRFIELD THROUGHOUT THE PROJECT. PORTABLE SHELTER SHALL HAVE A HEATING/ COOLING SYSTEM AND SUFFICIENT PORTABLE POWER AND COMMUNICATIONS TO ENSURE POSITIVE, SECURE GATE CONTROL.
30. NO SMOKING IS PERMITTED ON THE AIRFIELD. CONTRACTOR IS TO COMPLY WITH ALL AIRFIELD SAFETY REQUIREMENTS.
31. THE CONTRACTOR SHALL PERFORM ON-SITE INSPECTIONS DAILY AND REMEDY ANY SAFETY CONCERNS IMMEDIATELY PRIOR TO LEAVING THE SITE FOR THE DAY. IT SHALL BE CONTRACTORS RESPONSIBILITY TO ENSUE NO UNSAFE CONDITIONS ARE LEFT UN-ADDRESSED PRIOR TO DEPARTING AT THE END OF THE WORK DAY
32. ANY SOIL DISTURBANCE REQUIRES A STORM WATER BEST MANAGEMENT PRACTICES TO BE INSTALLED IN ACCORDANCE WITH THE ALABAMA HANDBOOK FOR EROSION CONTROL, SEDIMENT CONTROL AND STORM WATER MANAGEMENT ON CONSTRUCTION SITES AND URBAN AREAS IN ORDER TO PREVENT SEDIMENT FROM LEAVING THE SITE. EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO, OR CONCURRENT WITH, LAND DISTURBING OPERATIONS. EROSION CONTROL MEASURES SHALL BE MAINTAINED AT ALL TIMES. IF AT ANY TIME AN EROSION CONTROL MEASURE FAILS, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES MUST BE IMPLEMENTED TO CONTROL SEDIMENT AT THE SITE.

PAVING OPERATION NOTES

1. NO BASE/SUBBASE SHALL BE LEFT OPEN OVERNIGHT WITHOUT PROPER EROSION CONTROL MEASURES IN PLACE.
2. THE CONTRACTOR SHALL ENSURE THAT PONDING DOES NOT OCCUR DUE TO CONSTRUCTION ACTIVITIES.
3. CONTRACTOR TO LIMIT CONSTRUCTION TRAFFIC ON EXISTING PAVEMENT TO REMAIN.

UTILITY NOTES

1. CONTRACTOR SHALL MARK ALL ACTUAL LOCATIONS OF ALL UNDERGROUND CABLE AND UTILITIES (COMM, WATER, ETC.) BEFORE THE START OF CONSTRUCTION. CAUTION SHALL BE TAKEN BY THE CONTRACTOR AROUND ANY UNDERGROUND CABLE OR UTILITY. ANY DAMAGE SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE COR AT NO ADDITIONAL COST TO THE GOVERNMENT.
2. CONSTRUCTION DOCUMENTS RELATED TO THE LOCATION OF THESE EXISTING UNDERGROUND WATER, SEWER, ELECTRICAL AND COMMUNICATION UTILITIES MAY NOT REPRESENT ACTUAL INSTALLED CONDITIONS. THE CONSTRUCTION CONTRACTOR SHALL COORDINATE WITH THE COR TO VERIFY ALL ACTUAL LOCATIONS OF ALL PLACED UTILITIES BEFORE BEGINNING ANY REMOVAL WORK.

DEMOLITION NOTES

1. ALL RECYCLABLE MATERIALS SUCH AS CARDBOARD, PAPER, METAL, UNPAINTED WOOD, CLEAN CONCRETE AND ASPHALT MUST BE SEPARATED BY MATERIAL TYPE AND TRANSPORTED TO AN ADEM REGISTERED RECYCLING FACILITY IN ACCORDANCE WITH CHAPTER 335-13-3 OF ALABAMA ADMINISTRATIVE CODE.
2. CONSTRUCTION AND DEMOLITION DEBRIS TO BE DISCARDED AND NOT RECYCLED MUST BE DISPOSED OF IN AN ADEM PERMITTED CONSTRUCTION AND DEMOLITION LANDFILL (EITHER COFFEE COUNTY LANDFILL OR ROSE HILL LANDFILL).
3. THE CONTRACTOR MUST PREPARE A USACE FORM 2720 PRE-CONSTRUCTION/DEMO WITH THE PROPOSED RECYCLERS AND/OR LANDFILLS AND SUBMIT TO DPW-ENRD FOR APPROVAL PRIOR TO WASTE LEAVING THE INSTALLATION.
4. ANY FILL MATERIAL NEEDED FOR THIS PROJECT MUST BE OBTAINED FROM A BORROW PIT ON POST AT THE DIRECTION OF THE DPW-ENRD. NO FILL DIRT OR TOPSOIL WILL BE REMOVED FROM FORT RUCKER. IT WILL BE PLACED IN THE APPROPRIATE BORROW PIT AS INSTRUCTED BY THE DPW-ENRD. IF FORT RUCKER BORROW PIT SOIL WILL NOT PROVIDE PROPER COMPACTION, SOIL CAN BE BROUGHT IN FROM OFF POST IF THE PIT IS PERMITTED THROUGH ADEM AND THE DPW-ENRD GRANTS APPROVAL.
5. CONCRETE WASHOUT WILL NOT BE DONE DIRECTLY ON THE GROUND. IF WASHING OF ANY PART OF A CONCRETE TRUCK MUST BE DONE, IT WILL BE IN A PIT LINED WITH PLASTIC OR A MOBILE DEVICE TO BE USED FOR THIS PURPOSE. ONCE WATER HAS EVAPORATED, THE SOLIDS WILL BE DISPOSED OF IN AN ADEM APPROVED LANDFILL OR SENT FOR RECYCLING.
6. REMOVE EXISTING AIRFIELD PAVEMENT MARKINGS PER SPECIFICATION 32 01 11.51 RUBBER AND PAINT REMOVAL FROM AIRFIELD PAVEMENTS.
7. CONTRACTOR SHALL STOP WORK IMMEDIATELY AND CONTACT THE COR IF A UTILITY LINE IS DISTURBED.
8. ALL BULBS/LAMPS TO BE REMOVED FROM THE AIRFIELD LIGHTING MUST BE MANAGED AS UNIVERSAL WASTE ACCORDING TO 40 CFR 273. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PURCHASE THE CORRECT SHIPPING CONTAINERS FOR COLLECTING THE LAMPS. LAMPS MUST BE SEGREGATED BY TYPE AND BY SIZE. ONCE THE LAMPS ARE REMOVED FROM SERVICE THE CONTRACTOR MUST PROPERLY CONTAINERIZE AND LABEL THE LAMPS ACCORDING TO 40 CFR 273 FOR UNIVERSAL WASTE. ONCE THE CONTAINER IS FULL THE CONTRACTOR MUST ARRANGE FOR TURN IN OF THE LAMPS THROUGH THE 90-DAY HWCAA, BLDG. 1207. PARTIALLY FILLED CONTAINERS MAY BE TURNED IN TO THE HMCC, BLDG. 1315 (334-598-1311), FOR CONSOLIDATION. SHOULD A MERCURY CONTAINING LAMP BE BROKEN, THE LAMP(S) ARE TO BE MANAGED AS HAZARDOUS WASTE.
9. COMPLETE REMOVAL REQUIRED: THE CONTRACTOR SHALL COMPLETELY REMOVE AND DISPOSE OF ALL EXISTING AIRCRAFT MOORINGS (TIE-DOWNS), STATIC GROUNDING RECEPTACLES, AND ASSOCIATED SUBSURFACE CONCRETE ANCHORS/FOUNDATIONS LOCATED WITHIN THE DESIGNATED LIMITS OF PAVEMENT REMOVAL.
10. UNMAPPED APPURTENANCES: THIS REMOVAL REQUIREMENT APPLIES TO ALL SUCH APPURTENANCES WITHIN THE DEMOLITION LIMITS, REGARDLESS OF WHETHER THEY ARE EXPLICITLY SHOWN ON THESE PLANS OR DISCOVERED DURING THE COURSE OF CONSTRUCTION OPERATIONS.
11. SUBGRADE RESTORATION: ANY VOIDS OR DEPRESSIONS CREATED BY THE EXCAVATION OF DEEP FOUNDATIONS OR MOORING BLOCKS THAT EXTEND BELOW THE REQUIRED NEW SUBGRADE ELEVATION SHALL BE BACKFILLED WITH APPROVED STRUCTURAL FILL MATERIAL AND COMPACTED TO MEET THE DENSITY REQUIREMENTS OF THE SURROUNDING SUBGRADE PRIOR TO NEW PAVEMENT INSTALLATION.

LANDSCAPING NOTES

1. HYDROSEED ALL DISTURBED AREAS AS INDICATED.
2. HYDROSEED AREAS SHALL BE APPROVED BY THE COR.
3. ANY DISTURBED AREAS MUST RESTORED TO PRE-CONSTRUCITON CONDITION, BE RE-VEGETATED, AND MEET ADEM'S DEFINITION OF FINAL STABILIZATION FOUND IN PART V OF THE CONTRITION GENERAL PERMIT, ALR 100000.

EROSION CONTROL NOTES

1. CONTRACTOR IS TO SUBMIT A BMP PLAN TO THE COR IN CONFORMANCE WITH SPECIFICATION 01 57 19 TEMPORARY ENVIRONMENTAL CONTROLS - FORT RUCKER STANDARD.
2. ADEM GENERAL PERMIT FOR CONSTRUCTION SHALL BE REQUIRED AND THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FEES, APPLICATIONS, TESTING AND SIGNATURES.
3. CONTRACTOR SHALL PROVIDE ALL BMPS AS NECESSARY FOR EACH PHASE OF CONSTRUCTION IN ACCORDANCE WITH THE ADEM GENERAL PERMIT.
4. BMP PLAN SHALL BE DESIGNED BY THE CONTRACTOR IN ACCORDANCE WITH THE ADEM GENERAL PERMIT AND THE ALABAMA HANDBOOK FOR EROSION CONTROL, SEDIMENT CONTROL AND STORM WATER MANAGEMENT ON CONSTRUCTION SITES.
5. BMP PLANS PRESENTED SHALL BE A MINIMUM LEVEL OF BMPS AND THE CONTRACTOR SHALL PROVIDE ADDITION BMPS AS NECESSARY TO INSURE NO SEDIMENT FROM CONSTRUCTION ARE DISCHARGED FROM THE CONSTRUCTION AREAS DURING ANY PHASE OF CONSTRUCTION.

CONSTRUCTION AND PHASING NOTES

1. THE CONTRACTOR SHALL PROVIDE A WORK SCHEDULE AND DETAILED PHASING CLOSURE PLAN TO THE COR 45 DAYS PRIOR TO THE SCHEDULED CLOSURE DATE. AND SHALL BE APPROVED BY THE COR, AND AIRFIELD OPERATIONS.
2. CONTRACTOR SHALL YIELD TO AIRCRAFT AT ALL TIMES.
3. COORDINATE WITH THE COR AND AIRFIELD OPERATIONS ON THE CLOSURE OF PAVEMENT.
4. CONTRACTOR SHALL COORDINATE WITH COR AND AIRFIELD OPERATIONS REGARDING CONCURRENT WORK ON PHASES.
5. ALL WORK SHALL BE INSPECTED BY COR, COORDINATED WITH AIRFIELD OPERATION THROUGH THE COR, AND APPROVED FOR OPERATIONAL USE PRIOR TO THE CONTRACTOR TURNING THE PAVEMENT OVER TO THE GOVERNMENT.
6. SEE ELECTRICAL PLANS FOR ADDITIONAL PHASING DETAILS REGARDING AIRFIELD LIGHTING.

GRADING AND STORMWATER NOTES

1. ALL STORMWATER PIPE SHALL BE CLASS III RCP UNLESS SPECIFIED OTHERWISE ON THE PLANS OR WITHIN THE CONTRACT SPECIFICATIONS.
2. THE CONTRACTOR SHALL CONTROL STORMWATER DURING ALL PHASES OF CONSTRUCTION.
3. THE CONTRACTOR SHALL MAINTAIN RECORD DRAWINGS DURING CONSTRUCTION WHICH SHOW "AS-BUILT" CONDITIONS OF ALL WORK INCLUDING PIPING, DRAINAGE STRUCTURES, OUTLET STRUCTURES, DIMENSIONS, ELEVATIONS, GRADING ETC. RECORD DRAWINGS SHALL BE PROVIDED TO THE CONTRACTING OFFICER REP PRIOR TO REQUESTING FINAL INSPECTION.
4. NO DEVIATIONS OR REVISIONS FROM THESE PLANS BY THE CONTRACTOR SHALL BE ALLOWED WITHOUT APPROVAL FROM THE CONTRACTING OFFICER.

SURVEY NOTES

1. THE HORIZONTAL DATUM UTILIZED FOR THIS PROJECT IS NAD 1983 ALABAMA EAST ZONE, 1990 ADJUSTMENT, U.S. SURVEY FEET.
2. THE VERTICAL DATUM UTILIZED FOR THIS PROJECT IS NAVD 1988, U.S. SURVEY FEET.

SURVEY CONTROL POINTS

POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
2	279423.55	692441.89	290.5545	BT2369_NGS_23-7
3	284716.79	693577.27	295.197	OZR-C2010
25	281716.76	694347.66	295.5373	CAIRNS-2

PHASING NOTES

1. AIRFIELD TO REMAIN ACTIVE DURING CONSTRUCTION OPERATIONS. CONTRACTOR TO YIELD TO AIRCRAFT AT ALL TIMES.
2. COORDINATE WITH AIRFIELD OPERATIONS AND G3 AIRSPACE, THROUGH THE COR ON NOTAM'S FOR THE AIRFIELD.
3. PHASES ARE ALLOWED TO BE CONSTRUCTED CONCURRENTLY WITH APPROVAL FROM THE COR.
4. A PHASE SHALL BE COMPLETE AND USABLE, AS APPROVED BY THE COR, BEFORE IT IS TO BE TURNED OVER TO THE GOVERNMENT.
5. SPECIFIC PHASING FOR HELIPAD CONSTRUCTION IS DETAILED ON SHEET C-006. COORDINATION WITH AIRFIELD OPERATIONS AND G3 AIRSPACE IS REQUIRED FOR EACH HELIPAD CONSTRUCTION PHASE.

HELIPAD PERIMETER LIGHTING INSTALLATION NOTES (ASPHALT SHOULDER)

1. INSTALLATION METHOD: THE CONTRACTOR SHALL UTILIZE THE "BLOCK-OUT" (CORE AND GROUT) METHOD FOR ALL IN-PAVEMENT HELIPAD EDGE LIGHTS (L-868 BASES) LOCATED IN THE ASPHALT SHOULDER. INSTALLATION OF LIGHT BASES PRIOR TO FINAL ASPHALT PAVING AND COMPACTION IS STRICTLY PROHIBITED TO PREVENT ROLLER DAMAGE AND ENSURE UNIFORM ASPHALT DENSITY.
2. PAVING AND COMPACTION: TEMPORARY COVER PLATES OR WOODEN/FOAM BLOCK-OUTS SHALL BE USED TO PROTECT SUB-BASE CONDUIT STUBS DURING PAVING. ASPHALT SHALL BE LAID AND COMPACTED CONTINUOUSLY OVER AND AROUND THE FIXTURE LOCATIONS USING STANDARD AIRFIELD COMPACTION EQUIPMENT.
3. CORING OPERATIONS: AFTER THE ASPHALT MAT HAS FULLY COOLED AND ACHIEVED SPECIFIED DENSITY, THE CONTRACTOR SHALL CORE-DRILL THE ASPHALT AT EXACT LIGHT FIXTURE LOCATIONS. THE CORE DIAMETER SHALL PROVIDE A MINIMUM OF 1.5 TO 2 INCHES OF ANNULAR CLEARANCE BETWEEN THE OUTER WALL OF THE L-868 BASE CAN AND THE CORING EDGE.
4. FIXTURE ELEVATION & TOLERANCES: L-868 BASE CANS SHALL BE RIGIDLY SUPPORTED, PLUMBED, AND LEVELED PRIOR TO GROUTING. THE TOP FLANGE OF THE COMPLETED FIXTURE ASSEMBLY SHALL BE SET BETWEEN 1/16-INCH AND 1/8-INCH BELOW THE ADJACENT FINAL COMPACTED ASPHALT SURFACE. AT NO POINT SHALL ANY PART OF THE FIXTURE PROTRUDE ABOVE THE PAVEMENT.
5. GROUTING: THE ANNULAR SPACE AROUND THE L-868 BASE CAN SHALL BE BACKFILLED USING AN APPROVED HIGH-EARLY-STRENGTH, NON-SHRINK EPOXY OR POLYMER-MODIFIED AIRFIELD PAVEMENT GROUT. GROUT SHALL BE PLACED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND FULLY CONSOLIDATED TO ELIMINATE VOIDS.
6. JOINT SEALING: FOLLOWING GROUT CURE, A RESERVOIR SHALL BE ROUTED OR FORMED AT THE INTERFACE BETWEEN THE GROUT PLUG AND THE SURROUNDING ASPHALT PAVEMENT. THIS JOINT SHALL BE CLEANED AND SEALED WITH A HOT-APPLIED ELASTOMERIC JOINT SEALANT (ASTM D6690 TYPE II OR APPROVED EQUIVALENT) TO PREVENT MOISTURE INTRUSION.

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY: W. CHAFFIN
DRAWN BY: S. TURNER
CHECKED BY: J. LONG
SUBMITTED BY: J. O'DONNELL
ISSUE DATE: JULY 2026
SOLICITATION NO.: -
CONTRACT NO.: -
PROJECT NUMBER: MHY25004
SIZE: MHY25004 C-004

U.S. ARMY CORPS OF ENGINEERS
MOBILE DISTRICT
100 CANAL STREET
MOBILE, ALABAMA

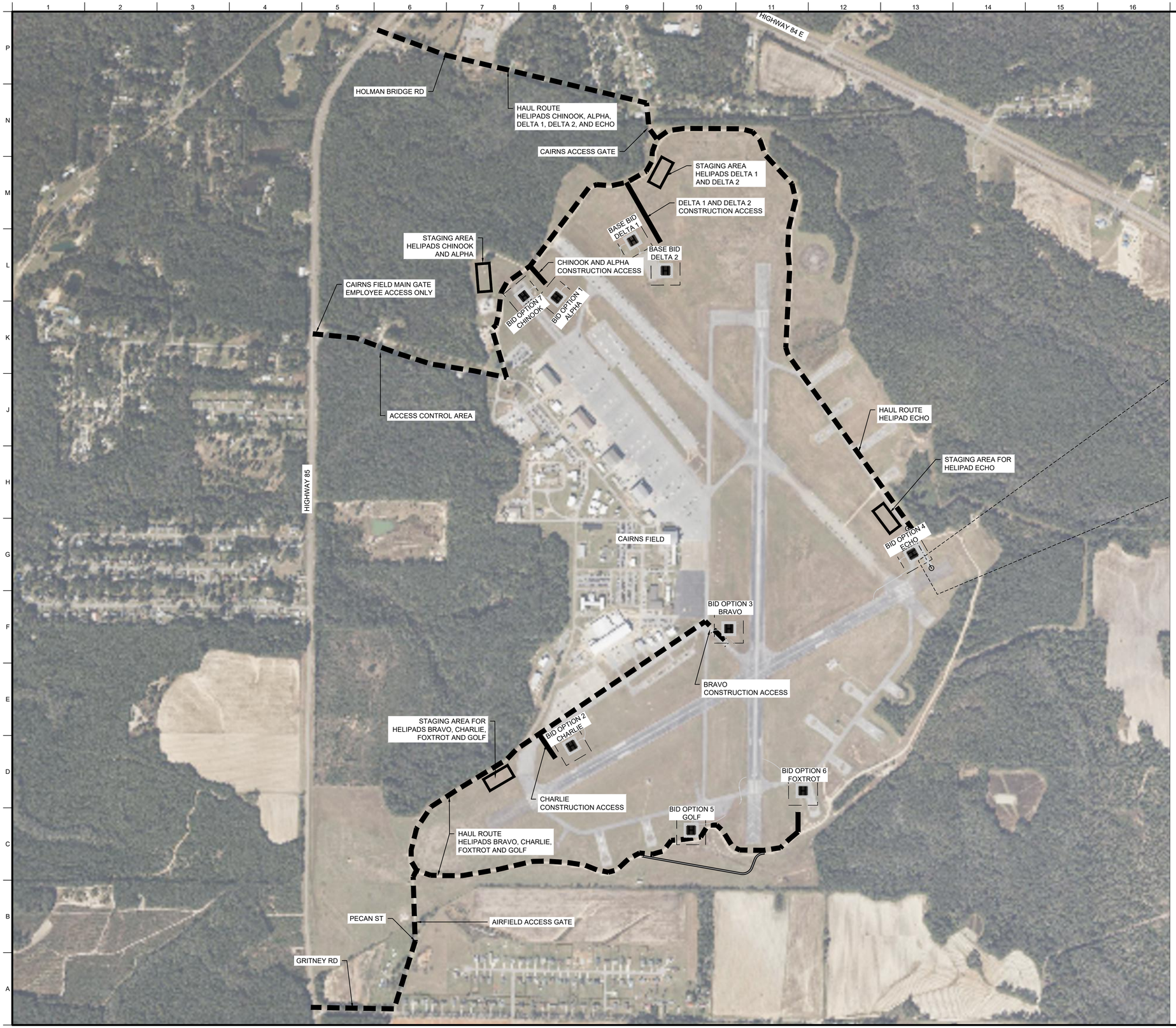
FORT RUCKER
REHABILITATE HELIPADS
AT CAIRNS FIELD

PROJECT NOTES

SHEET ID

C-004

AMENDMENT NO. 0002



US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY: W. CHAFFIN	ISSUE DATE: JULY 2026
DRAWN BY: S.TURNER	SOLICITATION NO.: -
CHECKED BY: J. CAPE	CONTRACT NO.: -
SUBMITTED BY: J. O'DONNELL	PROJECT NUMBER: MH125004
SIZE:	MH125004 C-005

U.S. ARMY CORPS OF ENGINEERS
MOBILE DISTRICT
100 CANAL STREET
MOBILE, ALABAMA

FORT RUCKER
REHABILITATE HELIPADS
AT CAIRNS FIELD

STAGING AND HAUL ROUTES

SHEET ID

C-005

AMENDMENT NO. 0002



PHASING NOTES:

1. THE CONTRACTOR SHALL PROVIDE A WORK SCHEDULE AND DETAILED PHASING CLOSURE PLAN PER THE REQUIREMENTS OF THESE PLANS AND SPECIFICATIONS. THE WORK SCHEDULE AND CLOSER PLANS SHALL BE APPROVED BY THE COR AND AIRFIELD OPERATIONS.
2. CONTRACTOR SHALL YIELD TO AIRCRAFT AT ALL TIMES.
3. COORDINATE WITH THE COR AND AIRFIELD OPERATIONS ON THE CLOSURE OF PAVEMENT.
4. CONTRACTOR SHALL COORDINATE WITH COR AND AIRFIELD OPERATIONS REGARDING CONCURRENT WORK ON PHASES.
5. ALL WORK SHALL BE INSPECTED BY COR, COORDINATED WITH AIRFIELD OPERATION THROUGH THE COR, AND APPROVED FOR OPERATIONAL USE PRIOR TO THE CONTRACTOR TURNING THE PAVEMENT OVER TO THE GOVERNMENT.
6. SEE ELECTRICAL PLANS FOR ADDITIONAL PHASING DETAILS REGARDING AIRFIELD LIGHTING.
7. IF RUNWAYS ARE REOPENED DURING CONSTRUCTION, NOTIFICATION WILL BE PROVIDED TO THE CONTRACTOR APPROXIMATELY 2 HOURS PRIOR TO REOPENING. THE CONTRACTOR SHALL MOVE ALL VERTICAL CONSTRUCTION EQUIPMENT TO THE DESIGNATED STAGING AREA OUTSIDE OF THE RUNWAY CLEARANCE ZONES AT LEAST 30 MINUTES PRIOR TO REOPENING THE RUNWAYS.
8. THE CONTRACTOR SHALL PROVIDE PERSONNEL TO MAN CONSTRUCTION ENTRY GATES ALONG THE PERIMETER OF THE AIRFIELD. PERIMETER ENTRY GATES SHALL BE MANNED DURING WORKING HOURS OR WHENEVER THE GATE IS OPEN AND UNSECURED.

TEMPORARY RUNWAY CLOSURE NOTES:

1. ALL TEMPORARY RUNWAY CLOSURE OPERATIONS AT CAIRNS AIRFIELD SHALL UTILIZE L-893(L) LIGHTED VISUAL RUNWAY CLOSURE MARKERS IN STRICT ACCORDANCE WITH FAA ADVISORY CIRCULAR AC 150/5345-55A, AC 150/5370-2G, AND MILITARY AIRFIELD CRITERIA ESTABLISHED UNDER UNIFIED FACILITIES CRITERIA (UFC) 3-260-04.
2. SIGNAGE SYSTEM: THE CONTRACTOR SHALL SUPPLY AND MAINTAIN TRAILER-MOUNTED, TOWABLE, PORTABLE L-893(L) LIGHTED VISUAL AID UNITS.
3. DISPLAY CONFIGURATION: THE UNIT MUST FOLD OUT TO PRESENT A MINIMUM 14-FOOT DIAGONAL "X" VISIBLE FROM A DISTANCE OF UP TO 10-25 MILES UNDER VFR CONDITIONS. THE ARMS OF THE "X" SHALL BE PAINTED AVIATION YELLOW (FED-STD-595, COLOR NO. 13538).
4. LIGHTS MUST CONSIST OF A MINIMUM OF NINE (9) HIGH-EFFICIENCY AVIATION WHITE LED LIGHT FIXTURES PRODUCING A MINIMUM OF 70,000 TO 160,000 CANDELAS AT BEAM CENTER.
5. THE SYSTEM MUST OPERATE A SOLID-STATE ELECTRONIC FLASH CONTROLLER SET AT A PULSING RATE OF 2.5 SECONDS ON (+/- 20%) AND 2.5 SECONDS OFF (+/- 20%).
6. THE UNIT MUST FEATURE AN AUTOMATIC PHOTOCELL SENSOR TO DIM THE INTENSITY DURING NIGHTTIME OPERATIONS AND PREVENT BLINDING ACTIVE PILOTS.
7. WIND RESISTANCE: THE SETUP TRAILER MUST WITHSTAND MINIMUM WINDS OF 45 MPH (AND UP TO 95 MPH WHEN STABILIZERS/OUTRIGGERS ARE FULLY DEPLOYED) WITHOUT SHIFTING OR CHANGING THE LIGHT ANGLE.
8. POWER SOURCE: THE SYSTEM SHALL BE EQUIPPED WITH A BUILT-IN, LOW-NOISE DIESEL GENERATOR WITH A MINIMUM 20-GALLON FUEL CAPACITY, CAPABLE OF OPERATING FOR AT LEAST 120 CONSECUTIVE HOURS BETWEEN REFUELINGS. THE SYSTEM MUST INCLUDE A MINIMUM 24-HOUR AUTOMATIC BATTERY BACKUP IN THE EVENT OF PRIMARY GENERATOR FAILURE.
9. PLACEMENT LOCATION: ONE (1) L-893 LIGHTED "X" TRAILER SHALL BE PLACED ON THE RUNWAY CENTERLINE AT EACH PHYSICAL END (THRESHOLD) OF THE CLOSED RUNWAY, POSITIONED DIRECTLY OVER THE PAINTED RUNWAY DESIGNATION NUMBERS.
10. RADIAL ANGLING: THE ELEVATION OF THE "X" DISPLAY FRAME SHALL BE TILTED UPWARD BETWEEN 3 AND 5 DEGREES TO ALIGN WITH APPROACHING FLIGHT PATH ANGLES.
11. CIRCUIT ISOLATION: PRIOR TO ACTIVATING THE LIGHTED "X" TRAILERS, THE CONTRACTOR MUST COORDINATE WITH CAIRNS AIRFIELD OPERATIONS TO VERIFY THAT ALL AIRFIELD LIGHTING CIRCUITS (THRESHOLD LIGHTS, RUNWAY EDGE LIGHTS, AND APPROACH SYSTEMS) FOR THE CLOSED RUNWAY ARE COMPLETELY DE-ENERGIZED.
12. DAILY INSPECTION: CAIRNS AIRFIELD OPERATIONS AND THE CONTRACTOR'S SAFETY OFFICER SHALL CONDUCT DAILY INSPECTIONS OF THE UNITS TO VERIFY CORRECT OPERATION, FUEL LEVELS, AND PROPER POSITIONING. IF A CONTROLLER MALFUNCTION OCCURS, THE UNIT MUST FEATURE A FAIL-SAFE MODE THAT FORCES THE LIGHTS TO REMAIN CONTINUOUSLY ON.

SHEET LEGEND

- LANE CLOSURE MARKINGS

KEYNOTES

1. VFR WITHOUT INTERVENING TAXIWAY BETWEEN CENTERLINES. 200' MIN DISTANCE BETWEEN PARALLEL HELIPADS FOR NON-SIMULTANEOUS OPERATIONS

PLAN NORTH

0 500' 1000'

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY: W. CHAFFIN
DRAWN BY: S.TURNER
CHECKED BY: J. CAPE
SUBMITTED BY: J. O'DONNELL
SIZE:
ISSUE DATE: JULY 2026
SOLICITATION NO.: -
CONTRACT NO.: -
PROJECT NUMBER: MHY25004
MHY25004 C-006

U.S. ARMY CORPS OF ENGINEERS
MOBILE DISTRICT
100 CANAL STREET
MOBILE, ALABAMA

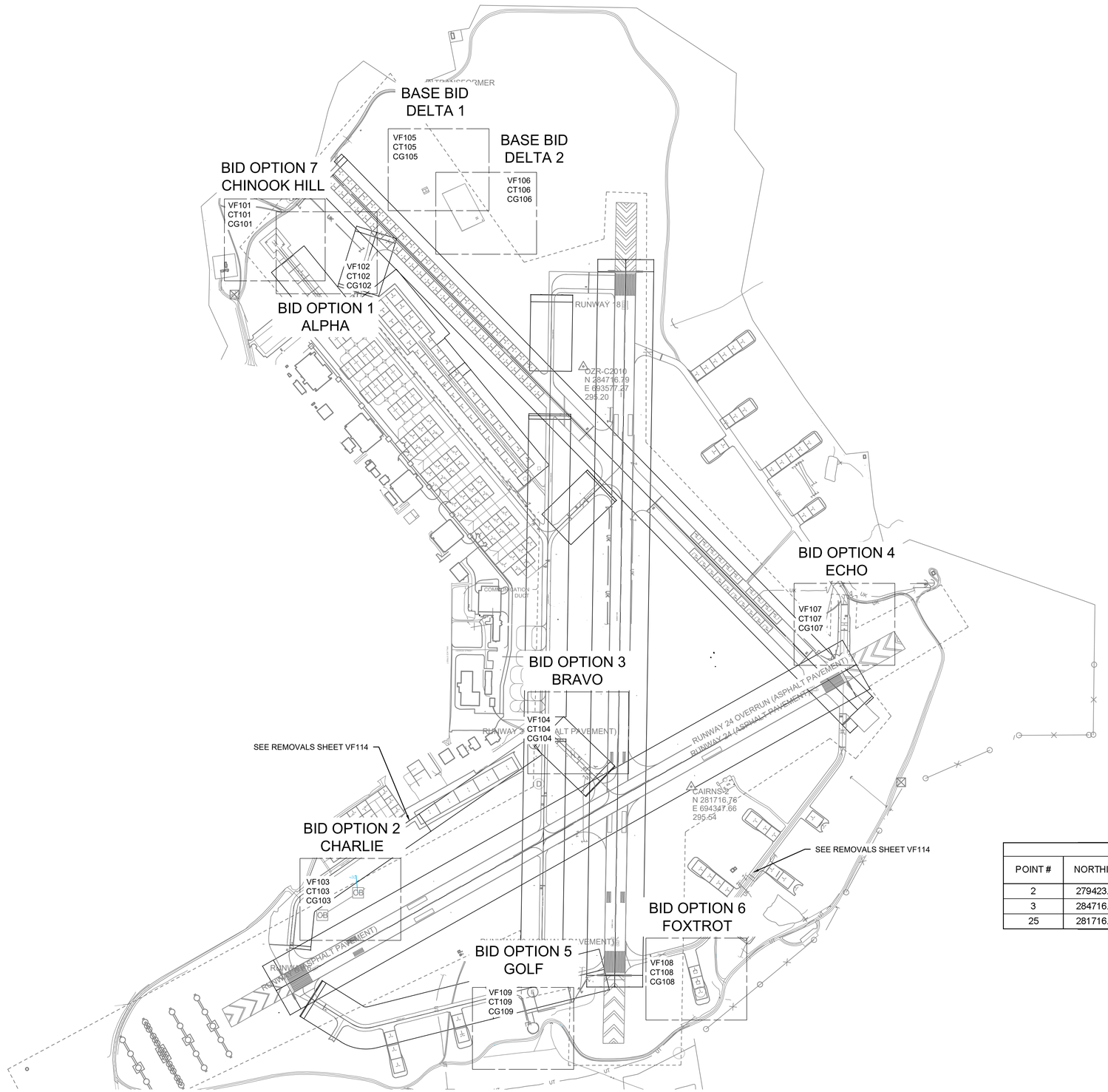
FORT RUCKER
REHABILITATE HELIPADS
AT CAIRNS FIELD

AIRFIELD PHASING PLAN

SHEET ID

C-006

AMENDMENT NO. 0002



SURVEY CONTROL POINTS				
POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
2	279423.55	692441.89	290.5545	BT2369_NGS_23-7
3	284716.79	693577.27	295.197	OZR-C2010
25	281716.76	694347.66	295.5373	CAIRNS-2

A1 OVERALL SITE PLAN
SCALE: 1":.30'

0 400' 800'

PLAN NORTH

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY: W. CHAFFIN	ISSUE DATE: JULY 2026		
DRAWN BY: K. KIRBY	SOLICITATION NO.: -		
CHECKED BY: J. LONG	CONTRACT NO.: -		
SUBMITTED BY: J. O'DONNELL	PROJECT NUMBER: MHY25004		
SIZE:	MHY25004_C-100		

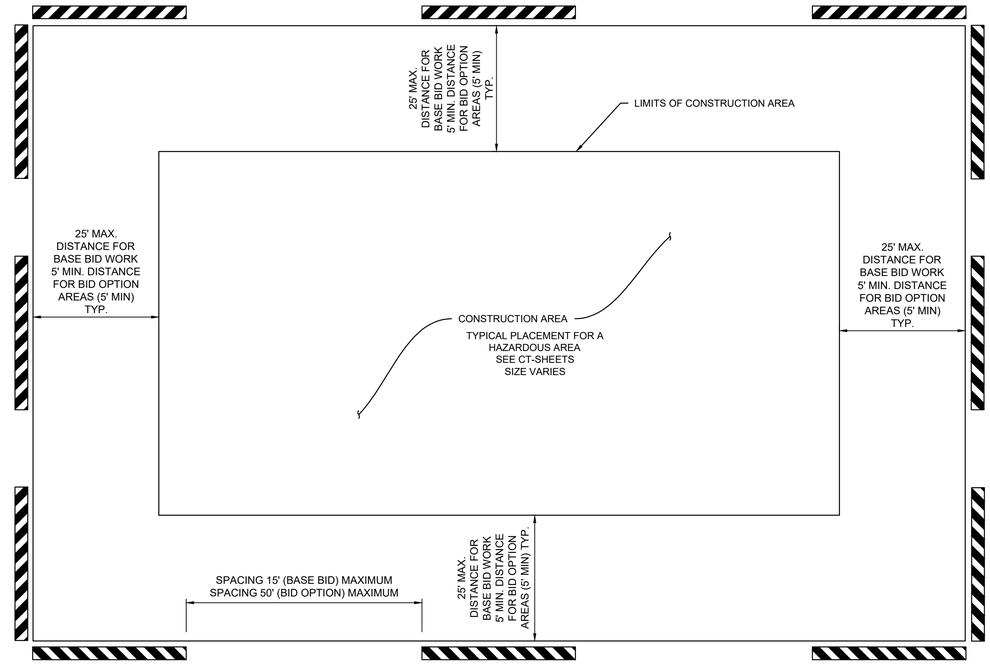
U.S. ARMY CORPS OF ENGINEERS
MOBILE DISTRICT
100 CANAL STREET
MOBILE, ALABAMA

FORT RUCKER
REHABILITATE HELIPADS
AT CAIRNS FIELD

OVERALL SITE PLAN

SHEET ID
C-100

AMENDMENT NO. 0002

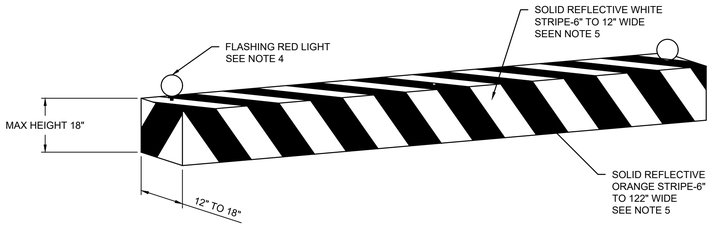


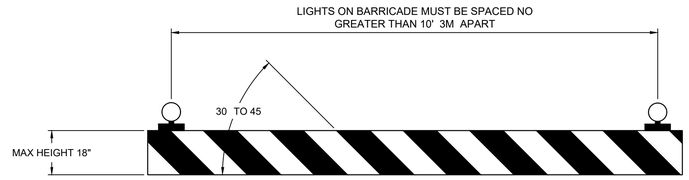
H1 TEMPORARY CONSTRUCTION LOW PROFILE BARRIER LAYOUT

SCALE: N.T.S.

NOTES:

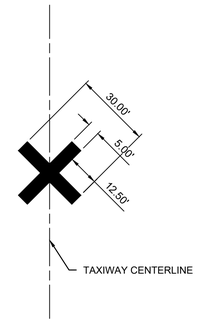
1. BARRICADES MAY NOT EXCEED 18" IN HEIGHT (EXCLUSIVE OF SUPPLEMENTARY LIGHTS AND FLAGS) AND SHOULD BE SPACED TO PREVENT BREACH, BUT IN NO CASE GREATER THAN 15' APART. THEY MUST BE OF LOW MASS EASILY COLLAPSIBLE UPON CONTACT WITH AN AIRCRAFT AND WEIGHTED OR STURDILY ATTACHED TO THE SURFACE TO PREVENT DISPLACEMENT FROM JET BLAST OR OTHER WIND DISTURBANCE.
2. THE REQUIRED LIGHTS MUST BE RED AND MAY EITHER BE STEADY BURNING OR FLASHING. INTENSITIES AND LUMINANCE MUST BE AT LEAST FIVE CANDELAS EFFECTIVE INTENSITY AND FLASH AT A RATE OF FROM 55 TO 160 FLASHES PER MINUTE.
3. HAZARD LIGHTS MAY NOT BE SPACED GREATER THAN 10' 3M APART.
4. LIGHTS MUST BE OPERATED BETWEEN SUNSET AND SUNRISE AND DURING PERIODS OF LOW VISIBILITY WHENEVER THE AIRPORT IS OPEN FOR OPERATIONS.
5. BARRICADES MAY BE SUPPLEMENTED WITH ALTERNATING ORANGE AND WHITE FLAGS AT LEAST 20" BY 20" SQUARE.
6. REFLECTIVE STRIPES SHALL BE ON ALL LONGITUDINAL SIDES EXCEPT BOTTOM.
7. THE CONTRACTOR SHALL HAVE A PERSON ON CALL 24 HOURS A DAY FOR EMERGENCY MAINTENANCE OF LOW PROFILE BARRICADES AND HAZARDOUS LIGHTS.
8. CONTRACTOR SHALL INSPECT THE FLASHING LIGHTS ON THE LOW PROFILE BARRICADE AT THE END OF EACH DAY TO INSURE ALL LIGHTS ARE FUNCTIONAL.
9. CONTRACTOR SHALL NOT REMOVE BARRIERS UNTIL ALL WORK IS COMPLETE AND PAVEMENT IS AUTHORIZED TO BE OPENED BY COR.
10. FOR BARRIER LOCATIONS FOR BID OPTIONS SEE GC101 -GC116.





A1 TEMPORARY CONSTRUCTION LOW PROFILE BARRIER DETAIL

SCALE: N.T.S.



NOTES:

1. NON-REFLECTIVE YELLOW IS USED FOR CLOSED MARKINGS. REFLECTIVE "X"S ARE RECOMMENDED WHEN USED ON AIRFIELDS WHERE OTHER AREAS ARE AVAILABLE FOR NORMAL OPERATIONS.
2. TEMPORARY CLOSED TAXIWAYS "X"S CAN BE FABRICATED FROM PLYWOOD, CANVAS, PAINTED PICKET FENCE SECTIONS, PREFORMED MARKING TAPE, OR OTHER MATERIALS.
3. ANCHOR MATERIALS BY ANY SUITABLE MEANS, SUCH AS MECHANICAL SCREW OR WEDGE-TYPE ANCHORS, OR SANDBAGS.
4. ALTERNATIVELY LIGHTED "X"S CAN BE USED AS DESCRIBED IN FAA AC 150/5340-1 AND FAA AC 150-5345-55.
5. PLACE TAXIWAY CLOSURE "X"S WITHIN 25 FEET OF INTERSECTIONS WITH OTHER SERVICEABLE PAVEMENTS.

A13 TAXIWAY CLOSURE MARKINGS

SCALE: N.T.S.

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY: W. CHAFFIN
DRAWN BY: S. TURNER
CHECKED BY: J. CAPE
SUBMITTED BY: J. O'DONNELL
ISSUE DATE: JULY 2026
SOLICITATION NO.: -
CONTRACT NO.: -
PROJECT NUMBER: MH172004
SIZE: MHY25004 C-501

U.S. ARMY CORPS OF ENGINEERS
MOBILE DISTRICT
100 CANAL STREET
MOBILE, ALABAMA

FORT RUCKER
REHABILITATE HELIPADS
AT CAIRNS FIELD

CONSTRUCTION PHASING DETAILS

SHEET ID

C-501

AMENDMENT NO. 0002



A1 EXISTING CONDITIONS AND DEMOLITION PLAN - CHINOOK HILL (BID OPTION 7)

SCALE: 1" 30'

0 5' 10'

PLAN NORTH

GENERAL SHEET NOTES

1. SEE C-001 FOR LOCATION AND VICINITY MAP.
2. SEE C-002 FOR ABBREVIATIONS.
3. SEE C-003 FOR PROJECT LEGEND.
4. SEE C-004 FOR DEMOLITION NOTES.
5. SEE C-004 FOR SURVEY NOTES AND CONTROL DATA.
6. ALL UTILITIES SHOWN ARE FOR INFORMATION PURPOSES ONLY. ACTUAL LOCATION OF UTILITIES SHALL BE FIELD VERIFIED BEFORE CONSTRUCTION.
7. COORDINATE ALL AIRFIELD CLOSURES WITH CONTRACTING OFFICER, G3 AIRSPACE, AND SECURITY FORCES PRIOR TO CONSTRUCTION.
8. ALL EXISTING GRASSED AREAS DISTURBED DURING CONSTRUCTION SHALL BE HYDROSEEDED IN ACCORDANCE WITH SPECIFICATIONS 32 92 19.

SHEET KEYNOTES

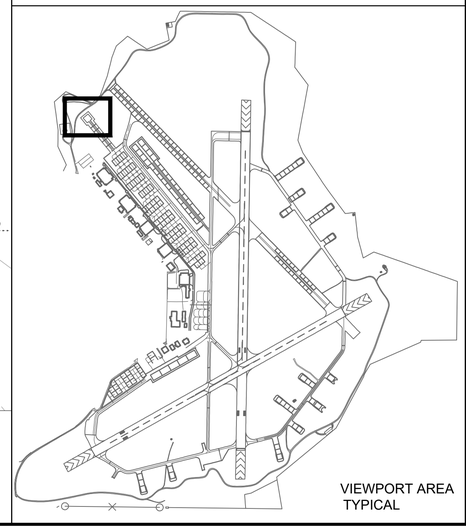
1. LIMITS OF CLEARING & GRUBBING / CONSTRUCTION
2. EXISTING PCC PAVEMENT TO BE REMOVED
3. EXISTING HEADWALL TO BE REMOVED
4. EXISTING HMA PAVEMENT TO BE REMOVED
5. SAWCUT FULL DEPTH
6. STORM DRAIN REMOVAL
7. ASPHALT MILLING
8. EXISTING GRAVEL ROAD TO BE REMOVED

IF A KEY NOTE DOES NOT APPEAR IN THE DRAWING AREA, IT DOES NOT APPLY TO THAT DRAWING.

LIMITS OF CLEARING & GRUBBING / CONSTRUCTION

POINT #	NORTHING	EASTING	DESCRIPTION
1	285719.49	691549.35	LOD
4	285748.95	691396.28	LOD
5	285710.47	691377.67	LOD
6	285594.22	691243.12	LOD
7	285531.83	691247.29	LOD
8	285396.10	691352.63	LOD
9	285383.31	691411.52	LOD
10	285443.90	691423.32	PVMT REMOVAL
11	285436.70	691431.54	LOD
12	285497.66	691511.51	LOD
13	285492.74	691621.51	LOD
14	285589.74	691612.14	LOD
15	285611.49	691589.25	LOD
16	285512.21	691506.97	PVMT REMOVAL

KEY MAP CAIRNS AAF



VIEWPORT AREA TYPICAL

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

ISSUE DATE: JULY 2026
SOLICITATION NO.: -
CONTRACT NO.: -
PROJECT NUMBER: MHY25004
DESIGNED BY: W.CHAFFIN
DRAWN BY: K. KIRBY
CHECKED BY: J. LONG
SUBMITTED BY: J. O'DONNELL
SIZE: MHY25004_VF101

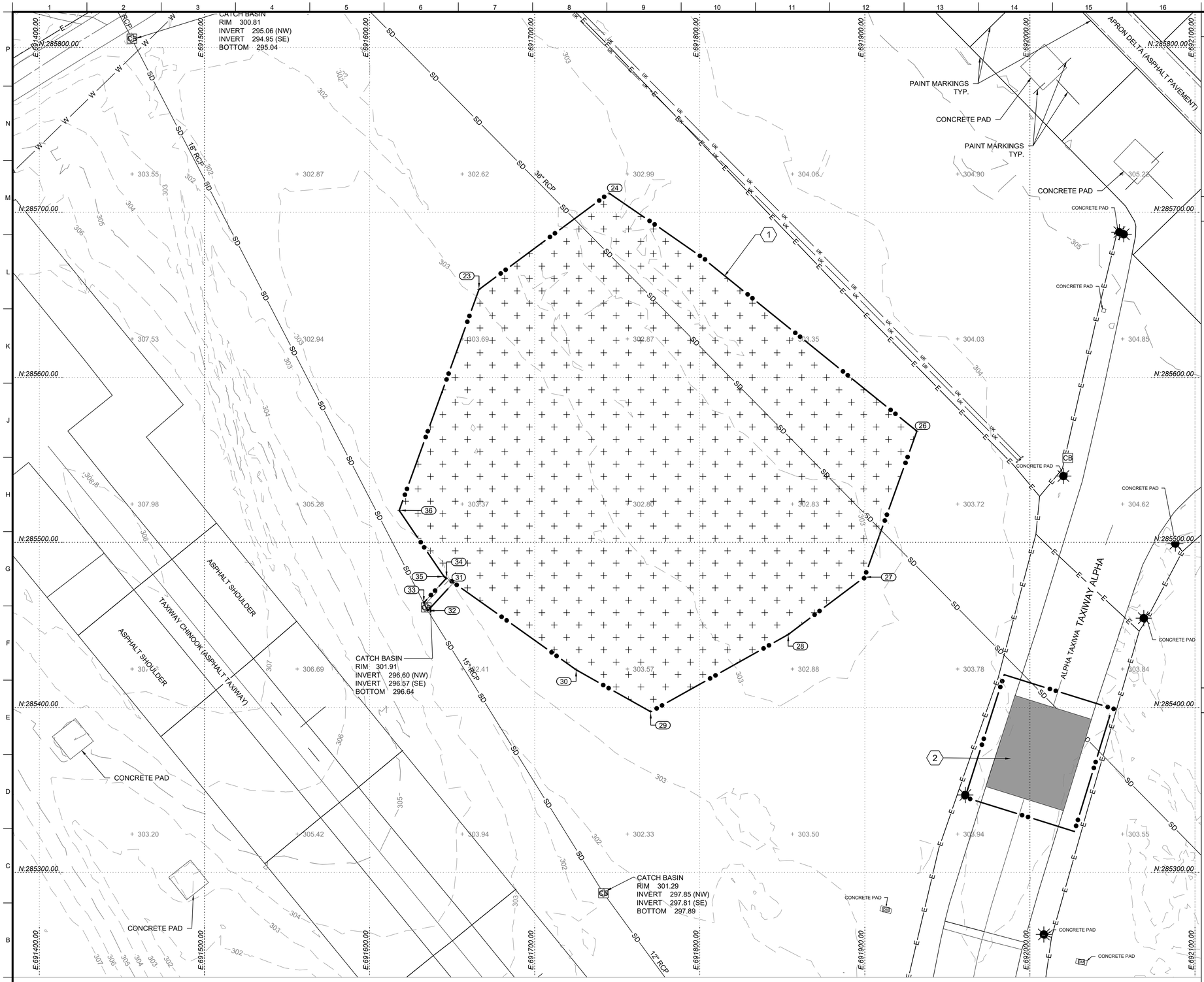
U.S. ARMY CORPS OF ENGINEERS
MOBILE DISTRICT
100 CANAL STREET
MOBILE, ALABAMA

FORT RUCKER
REHABILITATE HELIPADS
AT CAIRNS FIELD

BID OPTION 7
EXISTING CONDITIONS AND DEMOLITION PLAN

SHEET ID
VF101

AMENDMENT NO. 0002



GENERAL SHEET NOTES

1. SEE C-001 FOR LOCATION AND VICINITY MAP.
2. SEE C-002 FOR ABBREVIATIONS.
3. SEE C-003 FOR PROJECT LEGEND.
4. SEE C-004 FOR DEMOLITION NOTES.
5. SEE C-004 FOR SURVEY NOTES AND CONTROL DATA.
6. ALL UTILITIES SHOWN ARE FOR INFORMATION PURPOSES ONLY. ACTUAL LOCATION OF UTILITIES SHALL BE FIELD VERIFIED BEFORE CONSTRUCTION.
7. COORDINATE ALL AIRFIELD CLOSURES WITH CONTRACTING OFFICER, G3 AIRSPACE, AND SECURITY FORCES PRIOR TO CONSTRUCTION.
8. ALL EXISTING GRASSED AREAS DISTURBED DURING CONSTRUCTION SHALL BE HYDROSEEDED IN ACCORDANCE WITH SPECIFICATIONS 32 92 19.

SHEET KEYNOTES

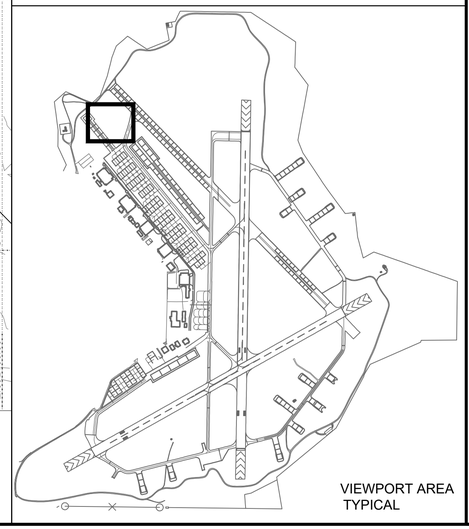
1. LIMITS OF CLEARING & GRUBBING / CONSTRUCTION
2. EXISTING HELIPAD MARKINGS TO BE REMOVED. ASPHALT TO BE SEALED AFTER REMOVAL

IF A KEY NOTE DOES NOT APPEAR IN THE DRAWING AREA, IT DOES NOT APPLY TO THAT DRAWING.

LIMITS OF CLEARING & GRUBBING / CONSTRUCTION

POINT #	NORTHING	EASTING	DESCRIPTION
23	285653.33	691666.27	LOD
24	285711.69	691745.05	LOD
26	285567.52	691931.54	LOD
27	285479.04	691899.78	LOD
28	285444.30	691853.65	LOD
29	285397.45	691770.30	LOD
30	285422.89	691725.12	LOD
31	285475.73	691650.90	LOD
32	285458.72	691635.25	LOD
33	285463.47	691632.83	LOD
34	285478.43	691646.58	LOD
35	285479.34	691645.11	LOD
36	285519.45	691617.96	LOD

KEY MAP CAIRNS AAF



VIEWPORT AREA TYPICAL

A1 EXISTING CONDITIONS AND DEMOLITION PLAN - ALPHA (BID OPTION 1)

SCALE: 1" 30'

PLAN NORTH

0 5' 10'

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

ISSUE DATE:	JULY 2026
SOLICITATION NO.:	-
CONTRACT NO.:	-
PROJECT NUMBER:	MH125004
DESIGNED BY:	W.CHAFFIN
DRAWN BY:	K. KIRBY
CHECKED BY:	J. LONG
SUBMITTED BY:	J. ODONNELL
SIZE:	MHV25004 VF102

U.S. ARMY CORPS OF ENGINEERS
MOBILE DISTRICT
109 CANAL STREET
MOBILE, ALABAMA

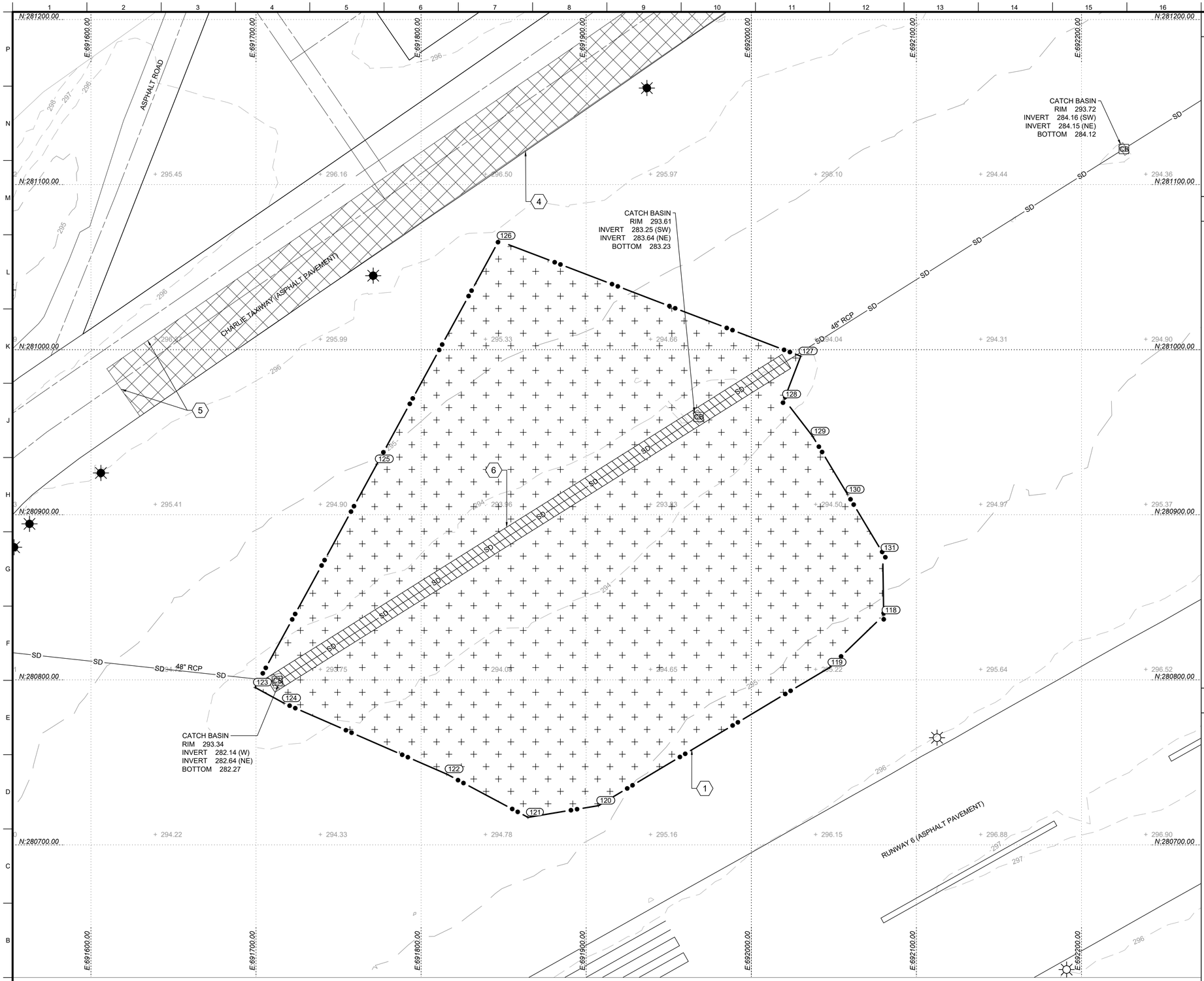
FORT RUCKER
REHABILITATE HELIPADS
AT CAIRNS FIELD

BID OPTION 1
EXISTING CONDITIONS AND DEMOLITION PLAN

SHEET ID

VF102

AMENDMENT NO. 0002



GENERAL SHEET NOTES

1. SEE C-001 FOR LOCATION AND VICINITY MAP.
2. SEE C-002 FOR ABBREVIATIONS.
3. SEE C-003 FOR PROJECT LEGEND.
4. SEE C-004 FOR DEMOLITION NOTES.
5. SEE C-004 FOR SURVEY NOTES AND CONTROL DATA.
6. ALL UTILITIES SHOWN ARE FOR INFORMATION PURPOSES ONLY. ACTUAL LOCATION OF UTILITIES SHALL BE FIELD VERIFIED BEFORE CONSTRUCTION.
7. COORDINATE ALL AIRFIELD CLOSURES WITH CONTRACTING OFFICER, G3 AIRSPACE, AND SECURITY FORCES PRIOR TO CONSTRUCTION.
8. ALL EXISTING GRASSED AREAS DISTURBED DURING CONSTRUCTION SHALL BE HYDROSEEDED IN ACCORDANCE WITH SPECIFICATIONS 32 92 19.

SHEET KEYNOTES

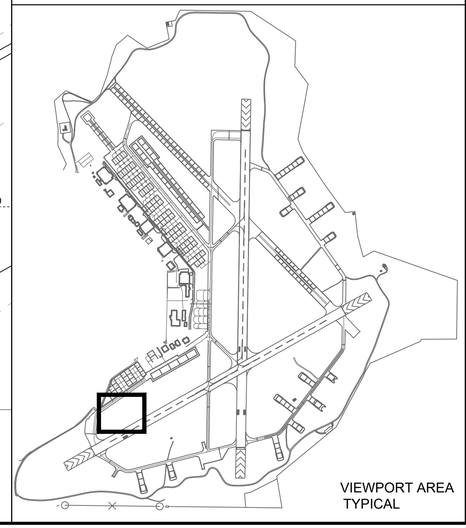
1. LIMITS OF CLEARING & GRUBBING / CONSTRUCTION
2. EXISTING PCC PAVEMENT TO BE REMOVED
3. EXISTING HEADWALL TO BE REMOVED
4. EXISTING HMA PAVEMENT TO BE REMOVED
5. SAWCUT FULL DEPTH
6. STORM DRAIN REMOVAL
7. ASPHALT MILLING
8. EXISTING GRAVEL ROAD TO BE REMOVED

IF A KEY NOTE DOES NOT APPEAR IN THE DRAWING AREA, IT DOES NOT APPLY TO THAT DRAWING.

LIMITS OF CLEARING & GRUBBING / CONSTRUCTION

POINT #	NORTHING	EASTING	DESCRIPTION
118	280839.16	692080.18	LOD
119	280807.59	692047.46	LOD
120	280723.89	691907.44	LOD
121	280716.78	691864.75	LOD
122	280742.95	691815.52	LOD
123	280795.48	691699.42	LOD
124	280785.91	691716.98	LOD
125	280930.75	691773.20	LOD
126	281066.01	691846.99	LOD
127	280996.15	692029.95	LOD
128	280969.97	692019.95	LOD
129	280947.53	692037.21	LOD
130	280912.26	692058.41	LOD
131	280876.99	692079.61	LOD

KEY MAP CAIRNS AAF



VIEWPORT AREA TYPICAL

A1 EXISTING CONDITIONS AND DEMOLITION PLAN - CHARLIE (BID OPTION 2)

SCALE: 1" 30'

0 30' 60'

PLAN NORTH

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY: W.CHAFFIN
DRAWN BY: K. KIRBY
CHECKED BY: J. LONG
SUBMITTED BY: J. O'DONNELL
ISSUE DATE: JULY 2026
SOLICITATION NO.: -
CONTRACT NO.: -
PROJECT NUMBER: MHY25004
SIZE: MHY25004 VF103

U.S. ARMY CORPS OF ENGINEERS
MOBILE DISTRICT
100 CANAL STREET
MOBILE, ALABAMA

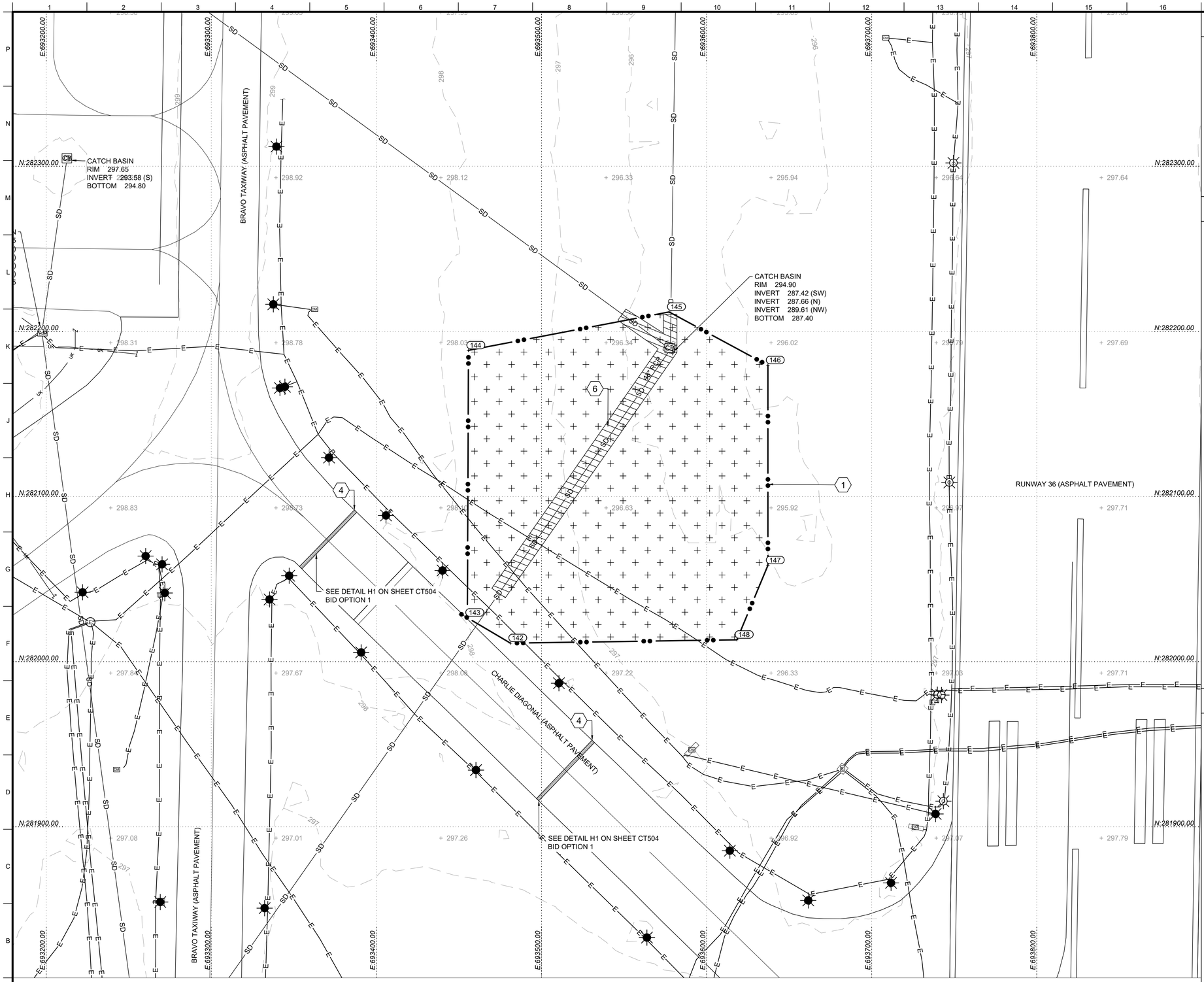
FORT RUCKER
REHABILITATE HELIPADS
AT CAIRNS FIELD

BID OPTION 2
EXISTING CONDITIONS AND DEMOLITION PLAN

SHEET ID

VF103

AMENDMENT NO. 0002



A1 EXISTING CONDITIONS AND DEMOLITION PLAN - BRAVO (BID OPTION 3)

SCALE: 1" 30'

0 30' 60'

PLAN NORTH

GENERAL SHEET NOTES

1. SEE C-001 FOR LOCATION AND VICINITY MAP.
2. SEE C-002 FOR ABBREVIATIONS.
3. SEE C-003 FOR PROJECT LEGEND.
4. SEE C-004 FOR DEMOLITION NOTES.
5. SEE C-004 FOR SURVEY NOTES AND CONTROL DATA.
6. ALL UTILITIES SHOWN ARE FOR INFORMATION PURPOSES ONLY. ACTUAL LOCATION OF UTILITIES SHALL BE FIELD VERIFIED BEFORE CONSTRUCTION.
7. COORDINATE ALL AIRFIELD CLOSURES WITH CONTRACTING OFFICER, G3 AIRSPACE, AND SECURITY FORCES PRIOR TO CONSTRUCTION.
8. ALL EXISTING GRASSED AREAS DISTURBED DURING CONSTRUCTION SHALL BE HYDROSEEDED IN ACCORDANCE WITH SPECIFICATIONS 32 92 19.

SHEET KEYNOTES

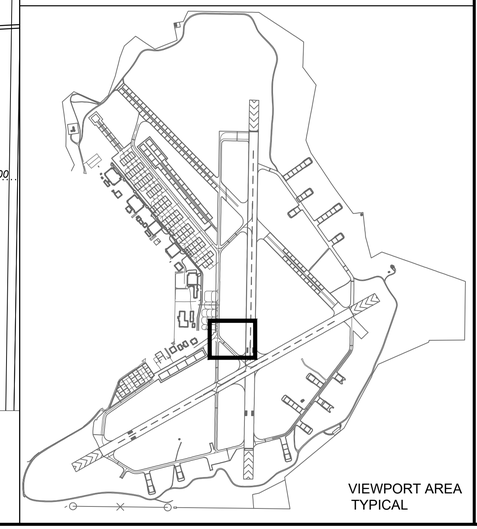
1. LIMITS OF CLEARING & GRUBBING / CONSTRUCTION
2. EXISTING PCC PAVEMENT TO BE REMOVED
3. EXISTING HEADWALL TO BE REMOVED
4. EXISTING HMA PAVEMENT TO BE REMOVED
5. SAWCUT FULL DEPTH
6. STORM DRAIN REMOVAL
7. ASPHALT MILLING
8. EXISTING GRAVEL ROAD TO BE REMOVED

IF A KEY NOTE DOES NOT APPEAR IN THE DRAWING AREA, IT DOES NOT APPLY TO THAT DRAWING.

LIMITS OF CLEARING & GRUBBING / CONSTRUCTION

POINT #	NORTHING	EASTING	DESCRIPTION
142	282011.23	693481.21	LOD
143	282026.62	693455.11	LOD
144	282188.55	693455.76	LOD
145	282211.80	693577.30	LOD
146	282179.49	693637.16	LOD
147	282058.39	693637.16	LOD
148	282013.29	693618.37	LOD

KEY MAP CAIRNS AAF



VIEWPORT AREA TYPICAL

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY: W.CHAFFIN
DRAWN BY: K. KIRBY
CHECKED BY: J. LONG
SUBMITTED BY: J. DONNELL
SIZE: MHY25004_VF104
ISSUE DATE: JULY 2026
SOLICITATION NO.: -
CONTRACT NO.: -
PROJECT NUMBER: MHY25004

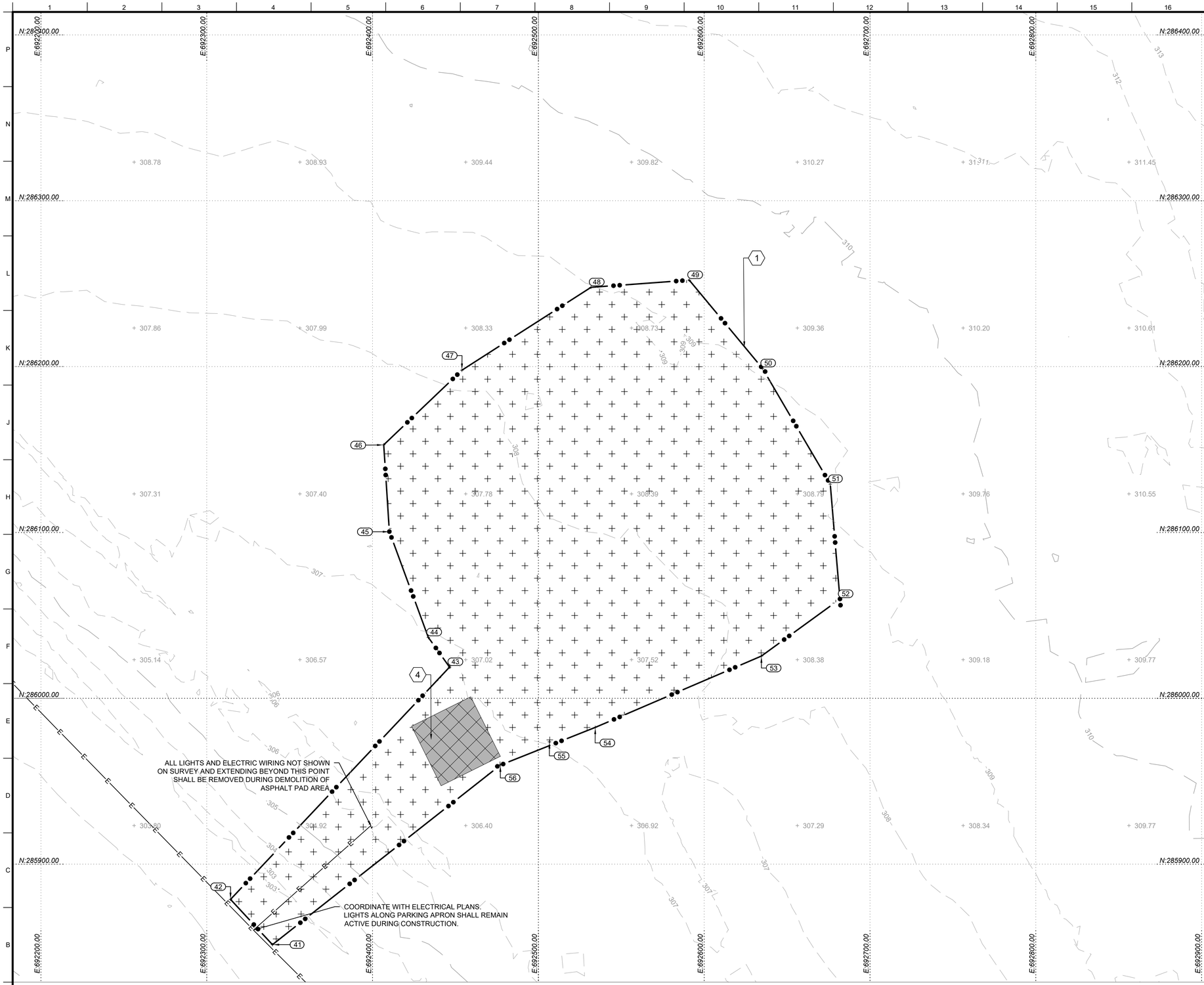
U.S. ARMY CORPS OF ENGINEERS
MOBILE DISTRICT
100 CANAL STREET
MOBILE, ALABAMA

FORT RUCKER
REHABILITATE HELIPADS
AT CAIRNS FIELD

BID OPTION 3
EXISTING CONDITIONS AND DEMOLITION PLAN

SHEET ID
VF104

AMENDMENT NO. 0002



A1 EXISTING CONDITIONS AND DEMOLITION PLAN - DELTA 1 (BASE BID)

SCALE: 1" 30'

0 30' 60'

PLAN NORTH

GENERAL SHEET NOTES

1. SEE C-001 FOR LOCATION AND VICINITY MAP.
2. SEE C-002 FOR ABBREVIATIONS.
3. SEE C-003 FOR PROJECT LEGEND.
4. SEE C-004 FOR DEMOLITION NOTES.
5. SEE C-004 FOR SURVEY NOTES AND CONTROL DATA.
6. ALL UTILITIES SHOWN ARE FOR INFORMATION PURPOSES ONLY. ACTUAL LOCATION OF UTILITIES SHALL BE FIELD VERIFIED BEFORE CONSTRUCTION.
7. COORDINATE ALL AIRFIELD CLOSURES WITH CONTRACTING OFFICER, G3 AIRSPACE, AND SECURITY FORCES PRIOR TO CONSTRUCTION.
8. ALL EXISTING GRASSED AREAS DISTURBED DURING CONSTRUCTION SHALL BE HYDROSEEDED IN ACCORDANCE WITH SPECIFICATIONS 32 92 19.

SHEET KEYNOTES

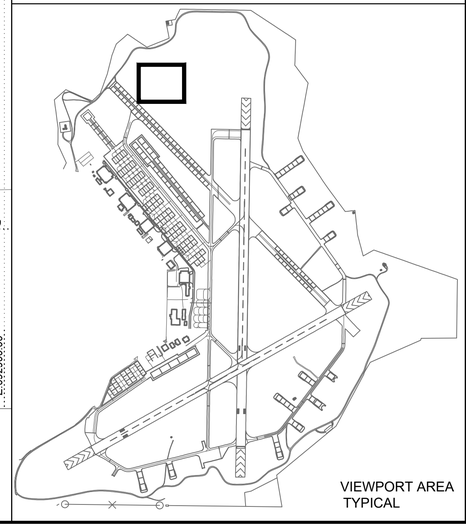
1. LIMITS OF CLEARING & GRUBBING / CONSTRUCTION
2. EXISTING PCC PAVEMENT TO BE REMOVED
3. EXISTING HEADWALL TO BE REMOVED
4. EXISTING HMA PAVEMENT TO BE REMOVED
5. SAWCUT FULL DEPTH
6. STORM DRAIN REMOVAL
7. ASPHALT MILLING
8. EXISTING GRAVEL ROAD TO BE REMOVED

IF A KEY NOTE DOES NOT APPEAR IN THE DRAWING AREA, IT DOES NOT APPLY TO THAT DRAWING.

LIMITS OF CLEARING & GRUBBING / CONSTRUCTION

POINT #	NORTHING	EASTING	DESCRIPTION
41	285851.59	692339.62	LOD
42	285878.86	692314.31	LOD
43	286018.91	692446.43	LOD
44	286036.81	692433.64	LOD
45	286100.52	692410.15	LOD
46	286152.91	692406.73	LOD
47	286197.92	692453.88	LOD
48	286247.88	692531.70	LOD
49	286252.23	692591.03	LOD
50	286199.00	692635.16	LOD
51	286129.27	692676.02	LOD
52	286059.90	692681.89	LOD
53	286025.58	692634.51	LOD
54	285982.56	692534.31	LOD
55	285973.83	692506.67	LOD
56	285959.81	692477.08	LOD

KEY MAP CAIRNS AAF



VIEWPORT AREA TYPICAL

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY: W.CHAFFIN
DRAWN BY: K. KIRBY
CHECKED BY: J. LONG
SUBMITTED BY: J. O'DONNELL
ISSUE DATE: JULY 2026
SOLICITATION NO.: -
CONTRACT NO.: -
PROJECT NUMBER: MHY25004
SIZE: MHY25004_VF105

U.S. ARMY CORPS OF ENGINEERS
MOBILE DISTRICT
100 CANAL STREET
MOBILE, ALABAMA

FORT RUCKER
REHABILITATE HELIPADS
AT CAIRNS FIELD

BASE BID
EXISTING CONDITIONS AND DEMOLITION PLAN

SHEET ID

VF105

AMENDMENT NO. 0002

CONTRACTOR IS RESPONSIBLE FOR REMOVAL OF RESIDUAL ASPHALT AND CONCRETE THAT ARE OUTSIDE OF THE LIMITS SHOWN FOR PAVEMENT REMOVAL.

CONTRACTOR IS RESPONSIBLE FOR REMOVAL OF RESIDUAL ASPHALT AND CONCRETE THAT ARE OUTSIDE OF THE LIMITS SHOWN FOR PAVEMENT REMOVAL.

A1 EXISTING CONDITIONS AND DEMOLITION PLAN - DELTA 2 (BASE BID)

SCALE: 1" 30'

0 30' 60'

PLAN NORTH

GENERAL SHEET NOTES

1. SEE C-001 FOR LOCATION AND VICINITY MAP.
2. SEE C-002 FOR ABBREVIATIONS.
3. SEE C-003 FOR PROJECT LEGEND.
4. SEE C-004 FOR DEMOLITION NOTES.
5. SEE C-004 FOR SURVEY NOTES AND CONTROL DATA.
6. ALL UTILITIES SHOWN ARE FOR INFORMATION PURPOSES ONLY. ACTUAL LOCATION OF UTILITIES SHALL BE FIELD VERIFIED BEFORE CONSTRUCTION.
7. COORDINATE ALL AIRFIELD CLOSURES WITH CONTRACTING OFFICER, G3 AIRSPACE, AND SECURITY FORCES PRIOR TO CONSTRUCTION.
8. ALL EXISTING GRASSED AREAS DISTURBED DURING CONSTRUCTION SHALL BE HYDROSEEDED IN ACCORDANCE WITH SPECIFICATIONS 32 92 19.

SHEET KEYNOTES

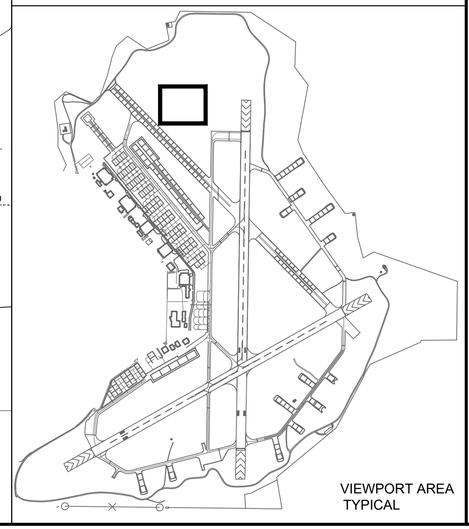
1. LIMITS OF CLEARING & GRUBBING / CONSTRUCTION
2. EXISTING PCC PAVEMENT TO BE REMOVED
3. EXISTING HEADWALL TO BE REMOVED
4. EXISTING HMA PAVEMENT TO BE REMOVED
5. SAWCUT FULL DEPTH
6. STORM DRAIN REMOVAL
7. ASPHALT MILLING
8. EXISTING GRAVEL ROAD TO BE REMOVED

IF A KEY NOTE DOES NOT APPEAR IN THE DRAWING AREA, IT DOES NOT APPLY TO THAT DRAWING.

LIMITS OF CLEARING & GRUBBING / CONSTRUCTION

POINT #	NORTHING	EASTING	DESCRIPTION
57	285686.25	692712.07	LOD
58	285950.29	692569.14	LOD
59	286023.96	692731.77	LOD
60	285910.10	692791.58	LOD
61	285917.33	692932.93	LOD
62	285892.96	692993.77	LOD
63	285785.97	693013.56	LOD
64	285701.83	693017.95	LOD
65	285670.00	692992.48	LOD
66	285663.85	692958.87	LOD
67	285662.97	692879.15	LOD
68	285689.32	692775.48	LOD
69	285704.34	692752.48	LOD

KEY MAP CAIRNS AAF



VIEWPORT AREA TYPICAL

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY: W.CHAFFIN
DRAWN BY: K. KIRBY
CHECKED BY: J. LONG
SUBMITTED BY: J. O'DONNELL
ISSUE DATE: JULY 2026
SOLICITATION NO.: -
CONTRACT NO.: -
PROJECT NUMBER: MHY25004
SIZE: MHY25004_VF106

U.S. ARMY CORPS OF ENGINEERS
MOBILE DISTRICT
100 CANAL STREET
MOBILE, ALABAMA

FORT RUCKER
REHABILITATE HELIPADS
AT CAIRNS FIELD

BASE BID
EXISTING CONDITIONS AND DEMOLITION PLAN

SHEET ID

VF106

AMENDMENT NO. 0002

ECHO HELIPAD DEMO

LIMITS OF CLEARING & GRUBBING / CONSTRUCTION

POINT #	NORTHING	EASTING	DESCRIPTION
74	282955.03	695293.79	LOD
75	283021.65	695392.82	LOD
76	283118.81	695377.40	LOD
77	283146.00	695421.69	LOD
78	283041.94	695490.59	LOD
79	282610.69	695313.59	LOD
80	282613.40	695357.06	LOD
81	282644.25	695368.80	LOD
82	282720.10	695391.01	LOD
83	282749.08	695370.24	LOD
84	282901.75	695296.06	LOD
85	282627.72	695280.70	LOD
86	282571.09	695336.78	LOD
87	282642.04	695463.97	LOD
88	282670.71	695485.04	LOD
154	282755.35	695484.15	LOD
155	282804.13	695545.42	LOD
156	282719.61	695603.36	LOD
157	282742.37	695644.32	LOD
158	282767.79	695641.03	LOD
159	283061.38	695478.56	LOD
160	283089.63	695474.01	LOD
161	283129.36	695454.76	LOD
162	283171.48	695431.26	LOD
163	283200.20	695410.60	LOD
164	283196.12	695405.45	LOD
165	283173.29	695419.28	LOD
166	283058.69	695410.38	LOD
167	283046.21	695406.59	LOD
168	283044.58	695392.41	LOD
169	283109.57	695330.98	LOD
170	283103.59	695324.25	LOD

CATCH BASIN
RIM 290.37
INVERT 280.92 (NE)
INVERT 281.08 (SW)
INVERT 281.69 (NW)
BOTTOM 280.87

CONCRETE PAD

UNPAVED ROAD

UNPAVED ROAD

ECHO HOVERLANE
(ASPHALT PAVEMENT)

TRIANGLE HOVERLANE
(ASPHALT PAVEMENT)

ECHO ROW (ASPHALT PAVEMENT)

RUNWAY 24 OVERRUN (ASPHALT PAVEMENT)

E:695300.00 E:695400.00 E:695500.00 E:695600.00 E:695700.00

N:283100.00 N:283000.00 N:282900.00 N:282800.00 N:282700.00 N:282600.00

A1 EXISTING CONDITIONS AND DEMOLITION PLAN - ECHO (BID OPTION 4)
SCALE: 1" 30'

0 30' 60'

PLAN NORTH

GENERAL SHEET NOTES

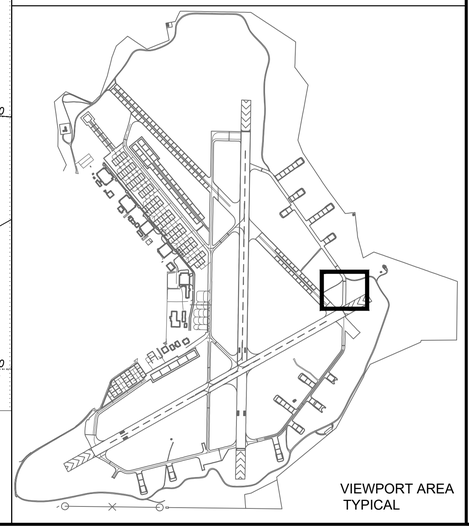
1. SEE C-001 FOR LOCATION AND VICINITY MAP.
2. SEE C-002 FOR ABBREVIATIONS.
3. SEE C-003 FOR PROJECT LEGEND.
4. SEE C-004 FOR DEMOLITION NOTES.
5. SEE C-004 FOR SURVEY NOTES AND CONTROL DATA.
6. ALL UTILITIES SHOWN ARE FOR INFORMATION PURPOSES ONLY. ACTUAL LOCATION OF UTILITIES SHALL BE FIELD VERIFIED BEFORE CONSTRUCTION.
7. COORDINATE ALL AIRFIELD CLOSURES WITH CONTRACTING OFFICER, G3 AIRSPACE, AND SECURITY FORCES PRIOR TO CONSTRUCTION.
8. ALL EXISTING GRASSED AREAS DISTURBED DURING CONSTRUCTION SHALL BE HYDROSEEDED IN ACCORDANCE WITH SPECIFICATIONS 32 92 19.

SHEET KEYNOTES

1. LIMITS OF CLEARING & GRUBBING / CONSTRUCTION
2. EXISTING PCC PAVEMENT TO BE REMOVED
3. EXISTING HEADWALL TO BE REMOVED
4. EXISTING HMA PAVEMENT TO BE REMOVED
5. SAWCUT FULL DEPTH
6. STORM DRAIN REMOVAL
7. ASPHALT MILLING

IF A KEY NOTE DOES NOT APPEAR IN THE DRAWING AREA, IT DOES NOT APPLY TO THAT DRAWING.

KEY MAP CAIRNS AAF



VIEWPORT AREA
TYPICAL

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

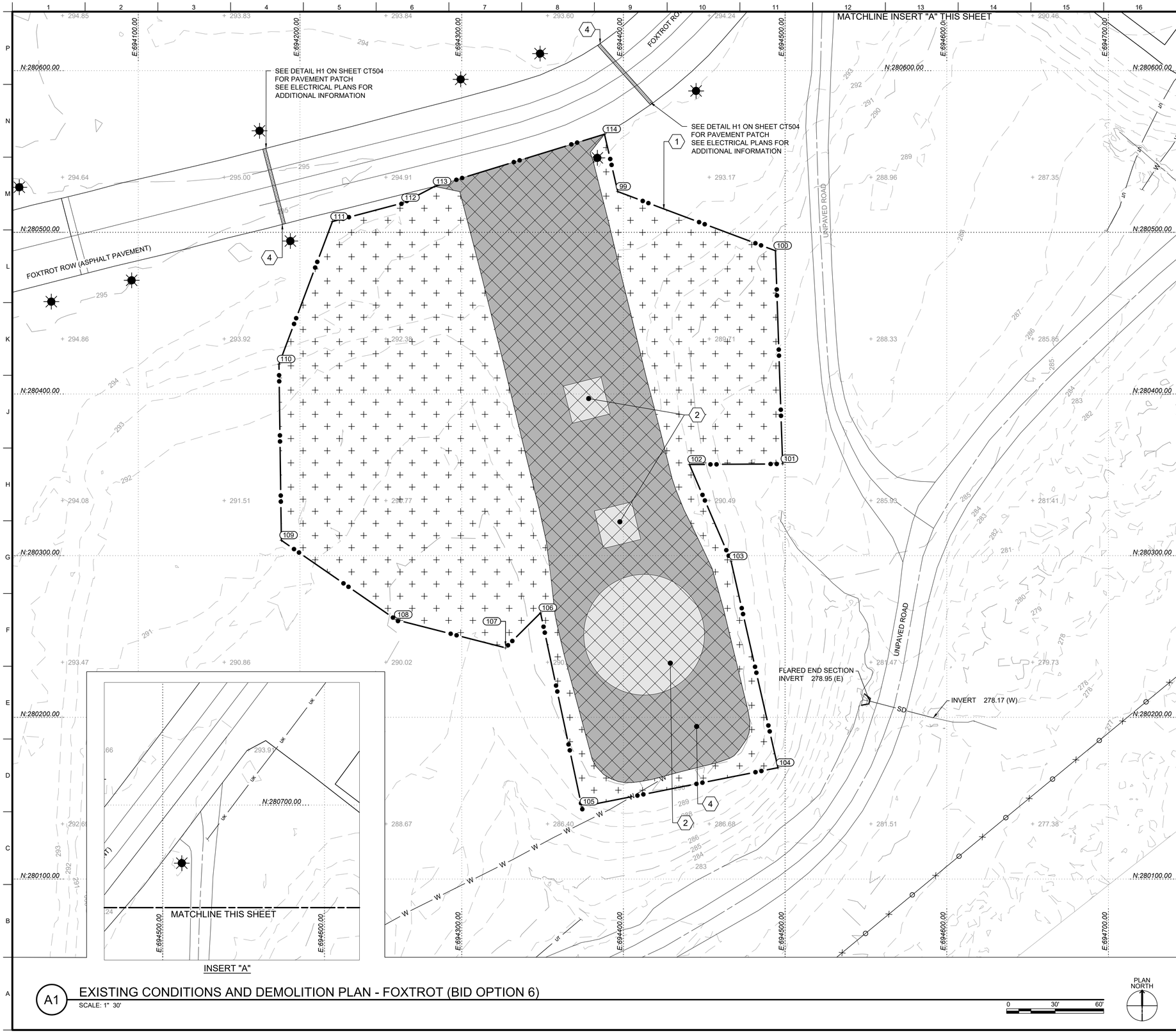
DESIGNED BY: W.CHAFFIN
DRAWN BY: K. KIRBY
CHECKED BY: J. LONG
SUBMITTED BY: J. O'DONNELL
SIZE:
ISSUE DATE: JULY 2026
SOLICITATION NO.: -
CONTRACT NO.: -
PROJECT NUMBER: MHY25004
MHY25004.VF107

U.S. ARMY CORPS OF ENGINEERS
MOBILE DISTRICT
100 CANAL STREET
MOBILE, ALABAMA

FORT RUCKER
REHABILITATE HELIPADS
AT CAIRNS FIELD

BID OPTION 4
EXISTING CONDITIONS AND
DEMOLITION PLAN

SHEET ID
VF107



A1 EXISTING CONDITIONS AND DEMOLITION PLAN - FOXTROT (BID OPTION 6)

SCALE: 1" 30'

0 30' 60'

PLAN NORTH

GENERAL SHEET NOTES

1. SEE C-001 FOR LOCATION AND VICINITY MAP.
2. SEE C-002 FOR ABBREVIATIONS.
3. SEE C-003 FOR PROJECT LEGEND.
4. SEE C-004 FOR DEMOLITION NOTES.
5. SEE C-004 FOR SURVEY NOTES AND CONTROL DATA.
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8. ALL EXISTING GRASSED AREAS DISTURBED DURING CONSTRUCTION SHALL BE HYDROSEEDED IN ACCORDANCE WITH SPECIFICATIONS 32 92 19.

SHEET KEYNOTES

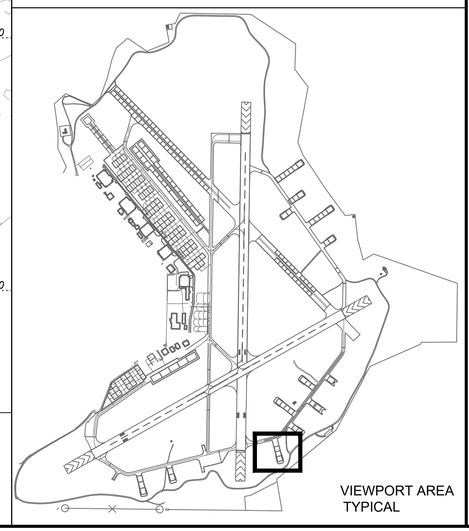
1. LIMITS OF CLEARING & GRUBBING / CONSTRUCTION
2. EXISTING PCC PAVEMENT TO BE REMOVED
3. EXISTING HEADWALL TO BE REMOVED
4. EXISTING HMA PAVEMENT TO BE REMOVED
5. SAWCUT FULL DEPTH
6. STORM DRAIN REMOVAL
7. ASPHALT MILLING
8. EXISTING GRAVEL ROAD TO BE REMOVED

IF A KEY NOTE DOES NOT APPEAR IN THE DRAWING AREA, IT DOES NOT APPLY TO THAT DRAWING.

LIMITS OF CLEARING & GRUBBING / CONSTRUCTION

POINT #	NORTHING	EASTING	DESCRIPTION
99	280525.30	694396.49	LOD
100	280488.70	694494.05	LOD
101	280356.85	694498.49	LOD
102	280356.48	694440.84	LOD
103	280296.70	694466.59	LOD
104	280168.93	694495.60	LOD
105	280144.86	694374.25	LOD
106	280264.73	694348.79	LOD
107	280243.09	694327.07	LOD
108	280260.45	694259.40	LOD
109	280309.57	694188.46	LOD
110	280418.53	694186.98	LOD
111	280506.76	694220.02	LOD
112	280518.36	694263.90	LOD
113	280528.49	694283.36	LOD
114	280560.83	694388.34	LOD

KEY MAP CAIRNS AAF



VIEWPORT AREA TYPICAL

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY: W.CHAFFIN
DRAWN BY: K. KIRBY
CHECKED BY: J. LONG
SUBMITTED BY: J. O'DONNELL
SIZE:
ISSUE DATE: JULY 2026
SOLICITATION NO.: -
CONTRACT NO.: -
PROJECT NUMBER: MHY25004
MHY25004_VF108

U.S. ARMY CORPS OF ENGINEERS
MOBILE DISTRICT
100 CANAL STREET
MOBILE, ALABAMA

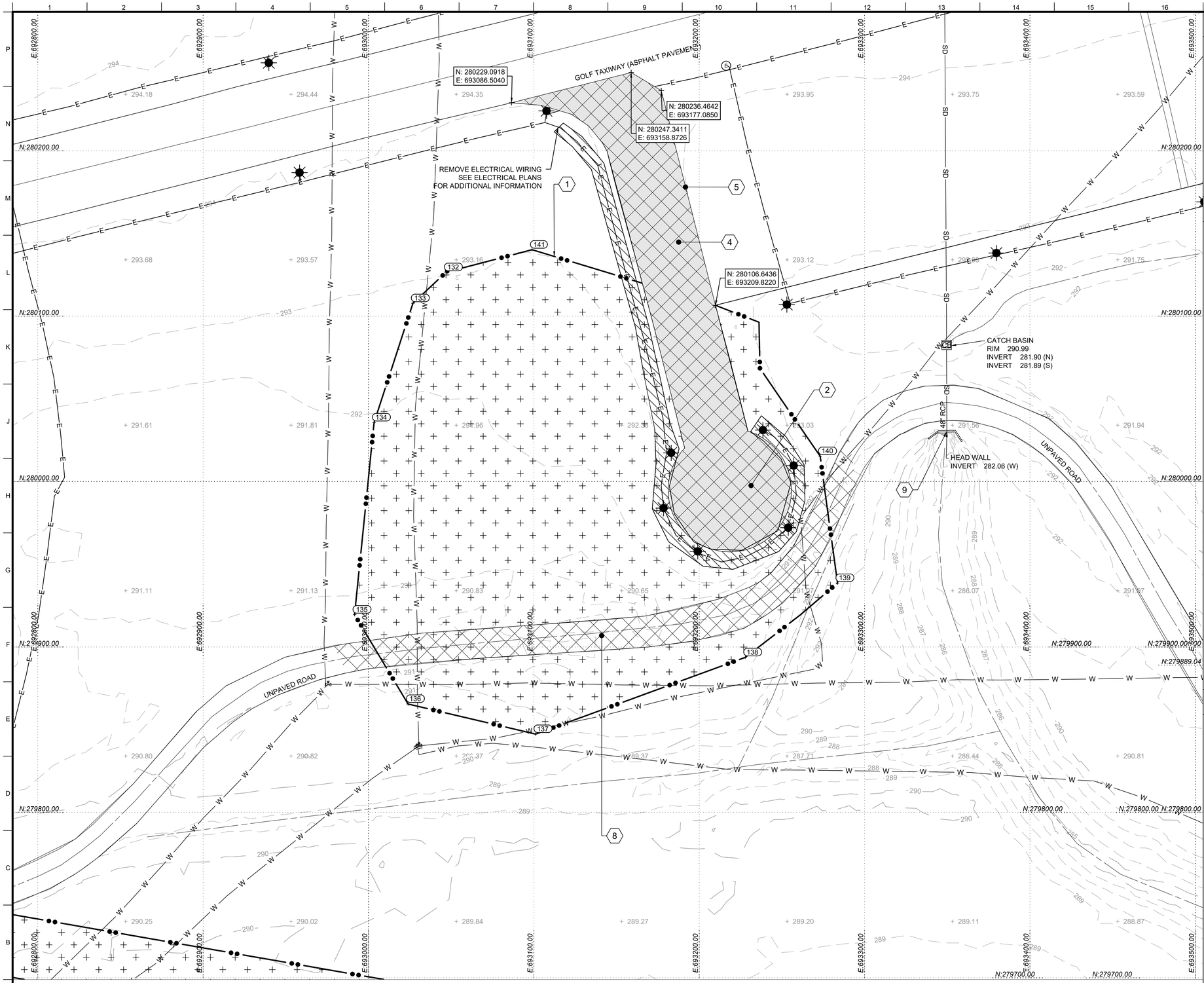
FORT RUCKER
REHABILITATE HELIPADS
AT CAIRNS FIELD

BID OPTION 6
EXISTING CONDITIONS AND DEMOLITION PLAN

SHEET ID

VF108

AMENDMENT NO. 0002



A1 EXISTING CONDITIONS/DEMOLITION - GOLF (BID OPTION 5)

SCALE: 1" 30'

0 30' 60'

PLAN NORTH

GENERAL SHEET NOTES

1. SEE C-001 FOR LOCATION AND VICINITY MAP.
2. SEE C-002 FOR ABBREVIATIONS.
3. SEE C-003 FOR PROJECT LEGEND.
4. SEE C-004 FOR DEMOLITION NOTES.
5. SEE C-004 FOR SURVEY NOTES AND CONTROL DATA.
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8. ALL EXISTING GRASSED AREAS DISTURBED DURING CONSTRUCTION SHALL BE HYDROSEEDED IN ACCORDANCE WITH SPECIFICATIONS 32 92 19.

SHEET KEYNOTES

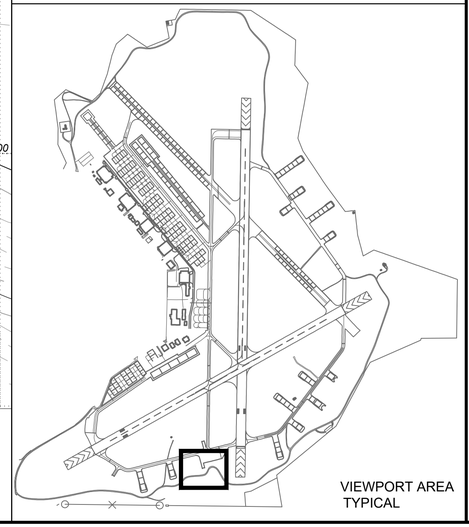
1. LIMITS OF CLEARING & GRUBBING / CONSTRUCTION
2. EXISTING PCC PAVEMENT TO BE REMOVED
3. EXISTING HEADWALL TO BE REMOVED
4. EXISTING HMA PAVEMENT TO BE REMOVED
5. SAWCUT FULL DEPTH
6. STORM DRAIN REMOVAL
7. ASPHALT MILLING
8. EXISTING GRAVEL ROAD TO BE REMOVED

IF A KEY NOTE DOES NOT APPEAR IN THE DRAWING AREA, IT DOES NOT APPLY TO THAT DRAWING.

LIMITS OF CLEARING & GRUBBING / CONSTRUCTION

POINT #	NORTHING	EASTING	DESCRIPTION
132	280126.60	693046.88	LOD
133	280107.87	693026.85	LOD
134	280035.76	693003.37	LOD
135	279919.59	692991.59	LOD
136	279865.61	693023.91	LOD
137	279847.42	693101.07	LOD
138	279893.79	693227.87	LOD
139	279938.72	693283.64	LOD
140	280015.41	693273.13	LOD
141	280140.24	693098.91	LOD

KEY MAP CAIRNS AAF



VIEWPORT AREA TYPICAL

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY: W.CHAFFIN
DRAWN BY: K. KIRBY
CHECKED BY: J. LONG
SUBMITTED BY: J. O'DONNELL
ISSUE DATE: JULY 2026
SOLICITATION NO.: -
CONTRACT NO.: -
PROJECT NUMBER: MHY25004
SIZE: MHY25004_VF109

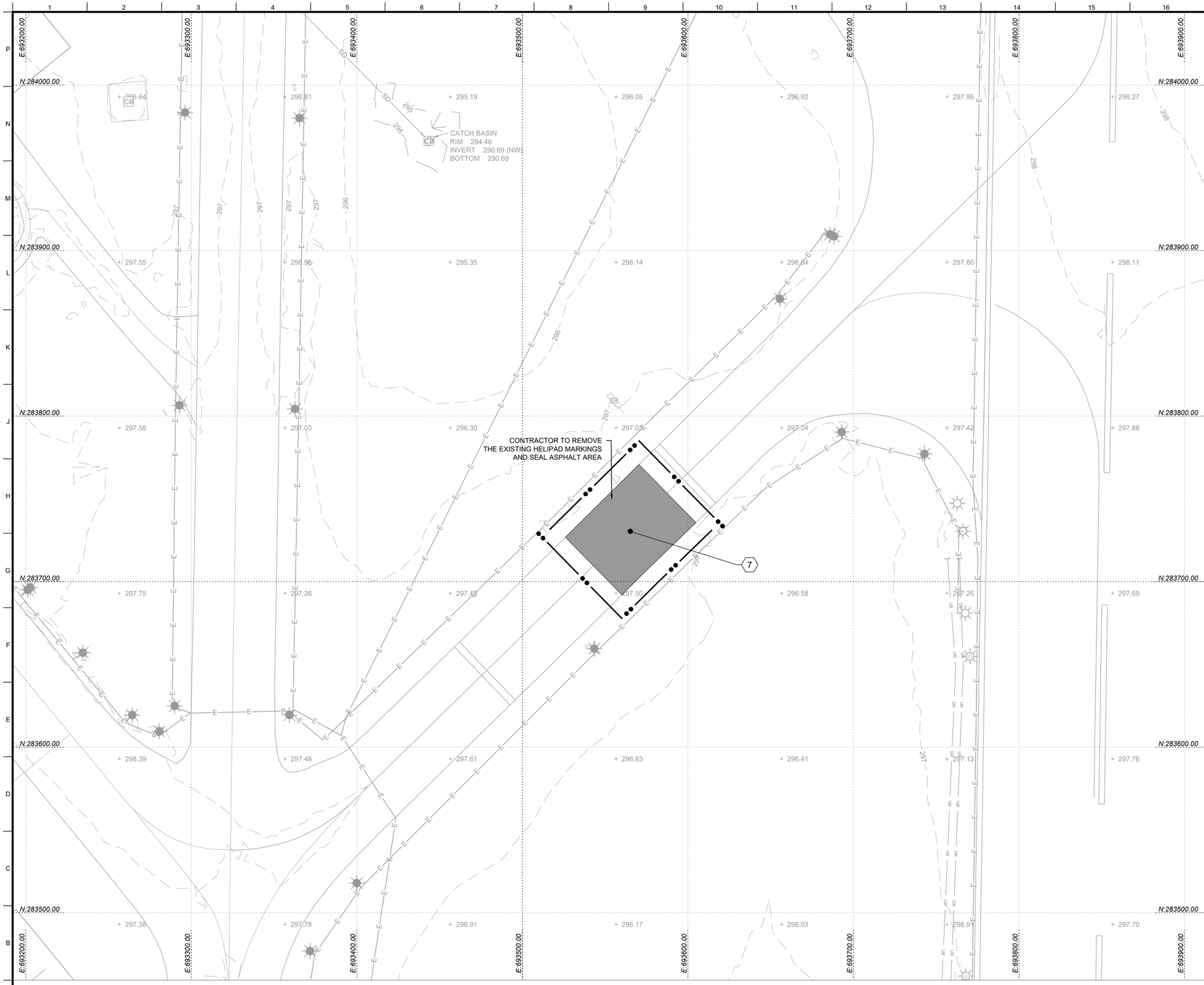
U.S. ARMY CORPS OF ENGINEERS
MOBILE DISTRICT
100 CANAL STREET
MOBILE, ALABAMA

FORT RUCKER
REHABILITATE HELIPADS
AT CAIRNS FIELD

BID OPTION 5
EXISTING CONDITIONS AND
DEMOLITION PLAN

SHEET ID
VF109

AMENDMENT NO. 0002



GENERAL SHEET NOTES

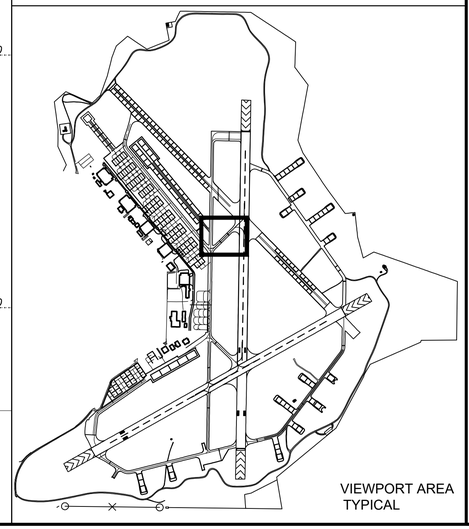
1. SEE C-001 FOR LOCATION AND VICINITY MAP.
2. SEE C-002 FOR ABBREVIATIONS.
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4. SEE C-004 FOR DEMOLITION NOTES.
5. SEE C-004 FOR SURVEY NOTES AND CONTROL DATA.
6. ALL UTILITIES SHOWN ARE FOR INFORMATION PURPOSES ONLY. ACTUAL LOCATION OF UTILITIES SHALL BE FIELD VERIFIED BEFORE CONSTRUCTION.
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SHEET KEYNOTES

1. LIMITS OF CLEARING & GRUBBING / CONSTRUCTION
2. EXISTING PCC PAVEMENT TO BE REMOVED
3. EXISTING HEADWALL TO BE REMOVED
4. EXISTING HMA PAVEMENT TO BE REMOVED
5. SAWCUT FULL DEPTH
6. STORM DRAIN REMOVAL
7. EXISTING HELIPAD MARKINGS TO BE REMOVED
8. EXISTING GRAVEL ROAD TO BE REMOVED

IF A KEY NOTE DOES NOT APPEAR IN THE DRAWING AREA, IT DOES NOT APPLY TO THAT DRAWING.

KEY MAP CAIRNS AAF



VIEWPORT AREA
TYPICAL

A1 EXISTING CONDITIONS AND DEMOLITION PLAN - BRAVO (BID OPTION 3)
SCALE: 1" 30'

0 30' 60'

PLAN NORTH

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY: W.CHAFFIN
DRAWN BY: K. KIRBY
CHECKED BY: J. LONG
SUBMITTED BY: J. O'DONNELL
ISSUE DATE: JULY 2026
SOLICITATION NO.: -
CONTRACT NO.: -
PROJECT NUMBER: MHY25004
SIZE: MHY25004.VF110

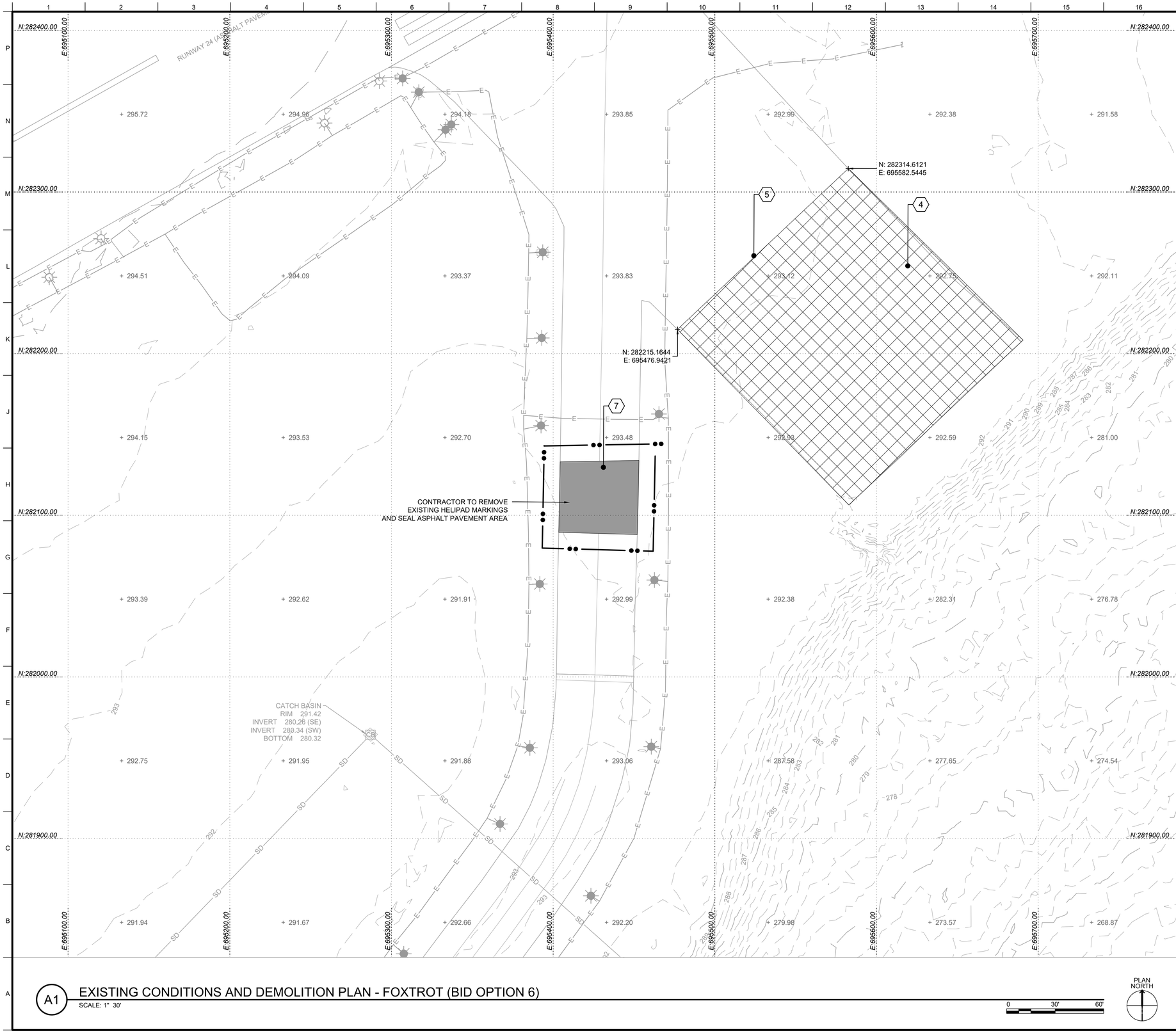
U.S. ARMY CORPS OF ENGINEERS
MOBILE DISTRICT
100 CANAL STREET
MOBILE, ALABAMA

FORT RUCKER
REHABILITATE HELIPADS
AT CAIRNS FIELD

BID OPTION 3
EXISTING CONSITIONS AND
DEMOLITION PLAN

SHEET ID
VF110

AMENDMENT NO. 0002



A1 EXISTING CONDITIONS AND DEMOLITION PLAN - FOXTROT (BID OPTION 6)

SCALE: 1" 30'

0 30' 60'

PLAN NORTH

GENERAL SHEET NOTES

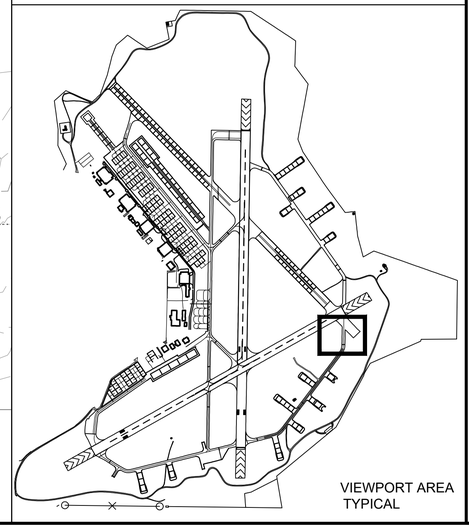
1. SEE C-001 FOR LOCATION AND VICINITY MAP.
2. SEE C-002 FOR ABBREVIATIONS.
3. SEE C-003 FOR PROJECT LEGEND.
4. SEE C-004 FOR PROJECT NOTES.
5. SEE C-004 FOR SURVEY NOTES AND CONTROL DATA.
6. ALL UTILITIES SHOWN ARE FOR INFORMATION PURPOSES ONLY. ACTUAL LOCATION OF UTILITIES SHALL BE FIELD VERIFIED BEFORE CONSTRUCTION.
7. COORDINATE ALL AIRFIELD CLOSURES WITH CONTRACTING OFFICER, G3 AIRSPACE, AND SECURITY FORCES PRIOR TO CONSTRUCTION.
8. ALL EXISTING GRASSED AREAS DISTURBED DURING CONSTRUCTION SHALL BE SODDED IN ACCORDANCE WITH SPECIFICATIONS 32 92 23.

SHEET KEYNOTES

1. LIMITS OF CLEARING & GRUBBING / CONSTRUCTION
2. EXISTING PCC PAVEMENT TO BE REMOVED
3. EXISTING HEADWALL TO BE REMOVED
4. EXISTING HMA PAVEMENT TO BE REMOVED
5. SAWCUT FULL DEPTH
6. STORM DRAIN REMOVAL
7. REMOVE EXISTING HELIPAD MARKINGS
8. EXISTING GRAVEL ROAD TO BE REMOVED

IF A KEY NOTE DOES NOT APPEAR IN THE DRAWING AREA, IT DOES NOT APPLY TO THAT DRAWING.

KEY MAP CAIRNS AAF



VIEWPORT AREA TYPICAL

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY: W.CHAFFIN	ISSUE DATE: JULY 2026
DRAWN BY: K. KIRBY	SOLICITATION NO.: -
CHECKED BY: J. LONG	CONTRACT NO.: -
SUBMITTED BY: J. O'DONNELL	PROJECT NUMBER: MH172004
	SIZE: MHY25004_VF111

U.S. ARMY CORPS OF ENGINEERS
MOBILE DISTRICT
100 CANAL STREET
MOBILE, ALABAMA

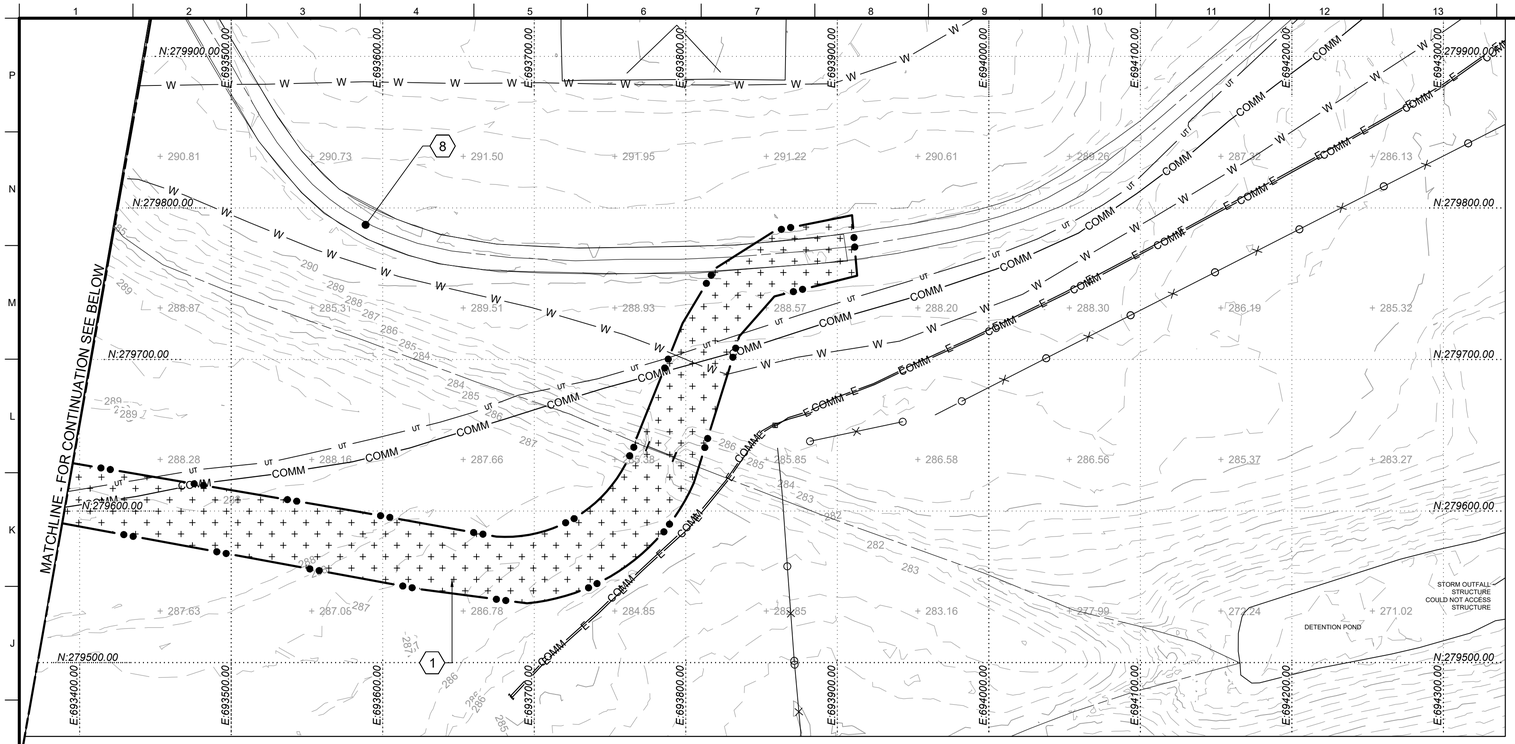
FORT RUCKER
REHABILITATE HELIPADS
AT CAIRNS FIELD

BID OPTION 6
EXISTING CONDITIONS AND
DEMOLITION PLAN

SHEET ID

VF111

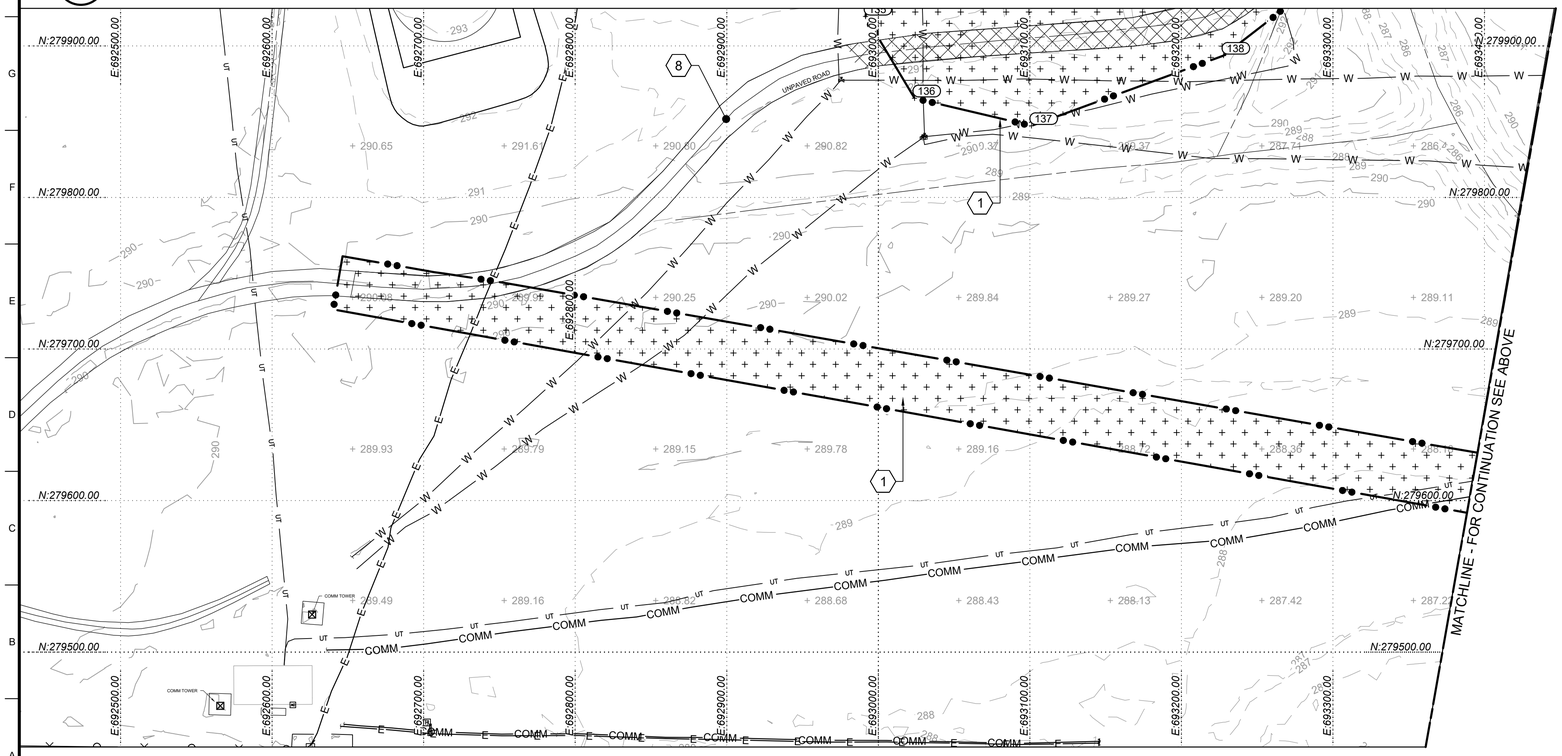
AMENDMENT NO. 0002



H1 EXISTING CONDITIONS AND DEMOLITION PLAN - GOLF PROPOSED ACCESS ROAD (BID OPTION 5)

SCALE: 1" 50'

0 50' 100'



A1 EXISTING CONDITIONS AND DEMOLITION PLAN - GOLF PROPOSED ACCESS ROAD (BID OPTION 5)

SCALE: 1" 50'

0 50' 100'

PLAN NORTH

GENERAL SHEET NOTES

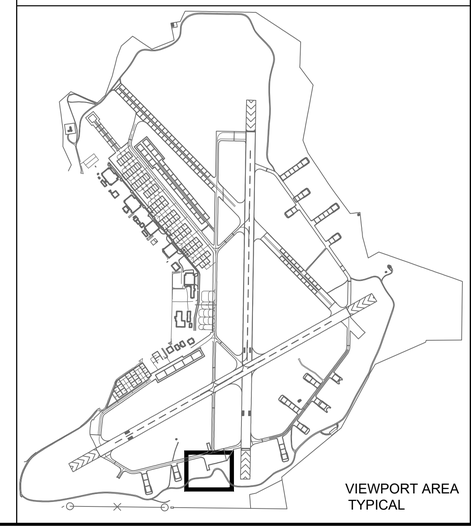
1. SEE C-001 FOR LOCATION AND VICINITY MAP.
2. SEE C-002 FOR ABBREVIATIONS.
3. SEE C-003 FOR PROJECT LEGEND.
4. SEE C-004 FOR PROJECT NOTES.
5. SEE C-004 FOR SURVEY NOTES AND CONTROL DATA.
6. ALL UTILITIES SHOWN ARE FOR INFORMATION PURPOSES ONLY. ACTUAL LOCATION OF UTILITIES SHALL BE FIELD VERIFIED BEFORE CONSTRUCTION.
7. COORDINATE ALL AIRFIELD CLOSURES WITH CONTRACTING OFFICER, G3 AIRSPACE, AND SECURITY FORCES PRIOR TO CONSTRUCTION.
8. ALL EXISTING GRASSED AREAS DISTURBED DURING CONSTRUCTION SHALL BE HYDROSEEDED IN ACCORDANCE WITH SPECIFICATIONS 32 92 19.

SHEET KEYNOTES

1. LIMITS OF CLEARING & GRUBBING / CONSTRUCTION
2. EXISTING PCC PAVEMENT TO BE REMOVED
3. EXISTING HEADWALL TO BE REMOVED
4. EXISTING HMA PAVEMENT TO BE REMOVED
5. SAWCUT FULL DEPTH
6. STORM DRAIN REMOVAL
7. ASPHALT MILLING
8. EXISTING GRAVEL ROAD TO BE REMOVED

IF A KEY NOTE DOES NOT APPEAR IN THE DRAWING AREA, IT DOES NOT APPLY TO THAT DRAWING.

KEY MAP CAIRNS AAF



VIEWPORT AREA TYPICAL

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

ISSUE DATE:	JULY 2026
SOLICITATION NO.:	-
CONTRACT NO.:	-
PROJECT NUMBER:	MH125004
DESIGNED BY:	W.CHAFFIN
DRAWN BY:	K. KIRBY
CHECKED BY:	J. LONG
SUBMITTED BY:	J. O'DONNELL
SIZE:	MH125004 VF112

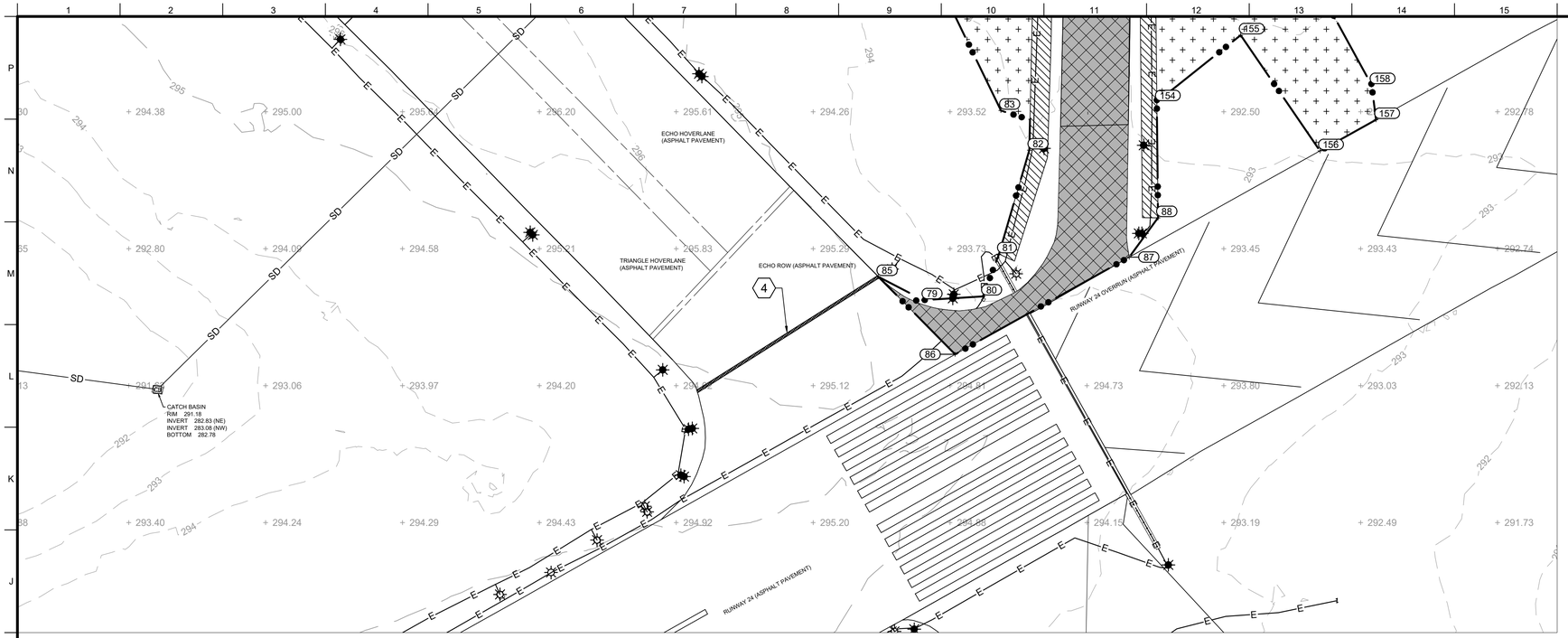
U.S. ARMY CORPS OF ENGINEERS
MOBILE DISTRICT
100 CANAL STREET
MOBILE, ALABAMA

FORT RUCKER
REHABILITATE HELIPADS
AT CAIRNS FIELD

BID OPTION 5
EXISTING CONDITIONS AND DEMOLITION PLAN

SHEET ID

VF112

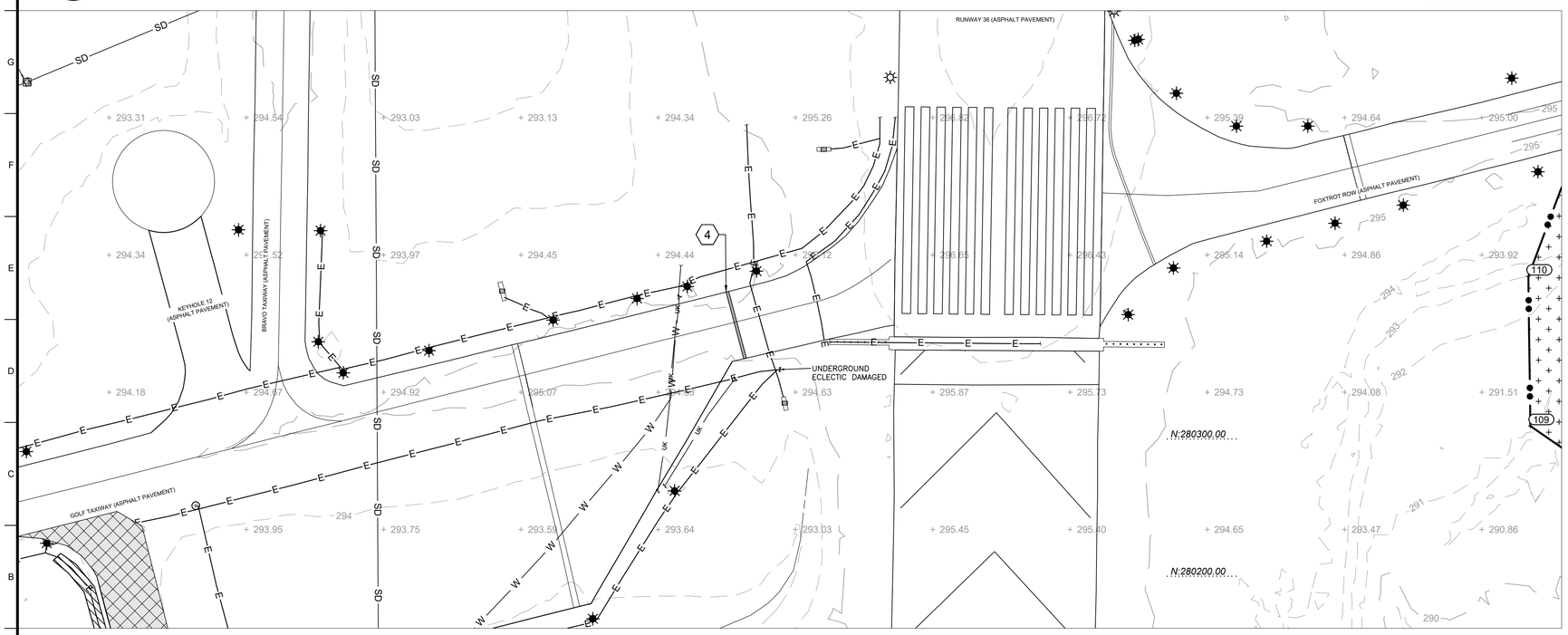


H1 EXISTING CONDITIONS AND DEMOLITION PLAN - ELECTRICAL PAVEMENT TRENCHING ECHO (BID OPTION 4)

SCALE: 1" 50'

0 50' 100'

PLAN NORTH



A1 EXISTING CONDITIONS AND DEMOLITION PLAN - ELECTRICAL PAVEMENT TRENCHING FOXTROT (BID OPTION 6)

SCALE: 1" 50'

0 50' 100'

PLAN NORTH

GENERAL SHEET NOTES

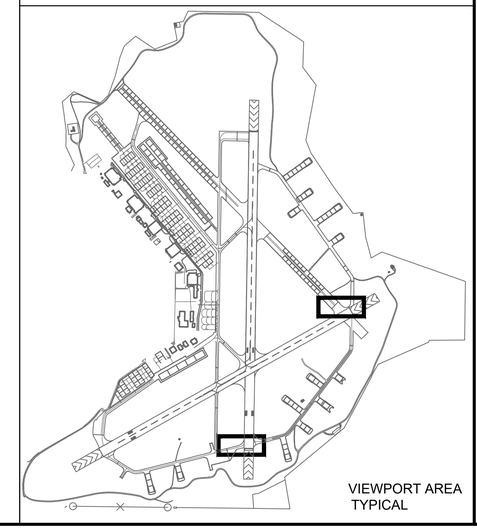
1. SEE C-001 FOR LOCATION AND VICINITY MAP.
2. SEE C-002 FOR ABBREVIATIONS.
3. SEE C-003 FOR PROJECT LEGEND.
4. SEE C-004 FOR PROJECT NOTES.
5. SEE C-004 FOR SURVEY NOTES AND CONTROL DATA.
6. ALL UTILITIES SHOWN ARE FOR INFORMATION PURPOSES ONLY. ACTUAL LOCATION OF UTILITIES SHALL BE FIELD VERIFIED BEFORE CONSTRUCTION.
7. COORDINATE ALL AIRFIELD CLOSURES WITH CONTRACTING OFFICER, G3 AIRSPACE, AND SECURITY FORCES PRIOR TO CONSTRUCTION.
8. ALL EXISTING GRASSED AREAS DISTURBED DURING CONSTRUCTION SHALL BE SODDED IN ACCORDANCE WITH SPECIFICATIONS 32 92 23.

SHEET KEYNOTES

1. LIMITS OF CLEARING & GRUBBING / CONSTRUCTION
2. EXISTING PCC PAVEMENT TO BE REMOVED
3. EXISTING HEADWALL TO BE REMOVED
4. EXISTING HMA PAVEMENT TO BE REMOVED
5. SAWCUT FULL DEPTH
6. STORM DRAIN REMOVAL
7. ASPHALT MILLING
8. EXISTING GRAVEL ROAD TO BE REMOVED

IF A KEY NOTE DOES NOT APPEAR IN THE DRAWING AREA, IT DOES NOT APPLY TO THAT DRAWING.

KEY MAP CAIRNS AAF



VIEWPORT AREA TYPICAL

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

ISSUE DATE: JULY 2026
SOLICITATION NO.: -
CONTRACT NO.: -
PROJECT NUMBER: MH125004

DESIGNED BY: W.CHAFFIN
DRAWN BY: K. KIRBY
CHECKED BY: J. LONG
SUBMITTED BY: J. O'DONNELL
SIZE:

MHY25004 VF113

U.S. ARMY CORPS OF ENGINEERS
MOBILE DISTRICT
100 CANAL STREET
MOBILE, ALABAMA

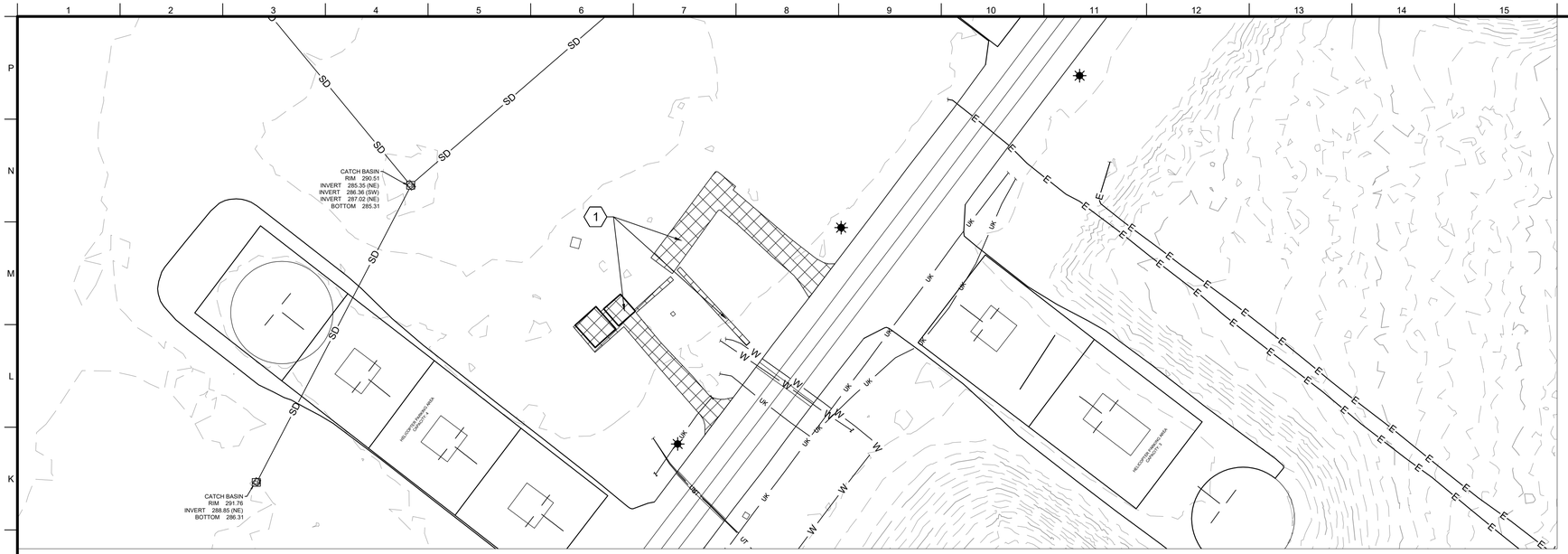
FORT RUCKER
REHABILITATE HELIPADS
AT CAIRNS FIELD

BID OPTION 4 AND BID OPTION 6
EXISTING CONDITIONS AND
DEMOLITION PLAN

SHEET ID

VF113

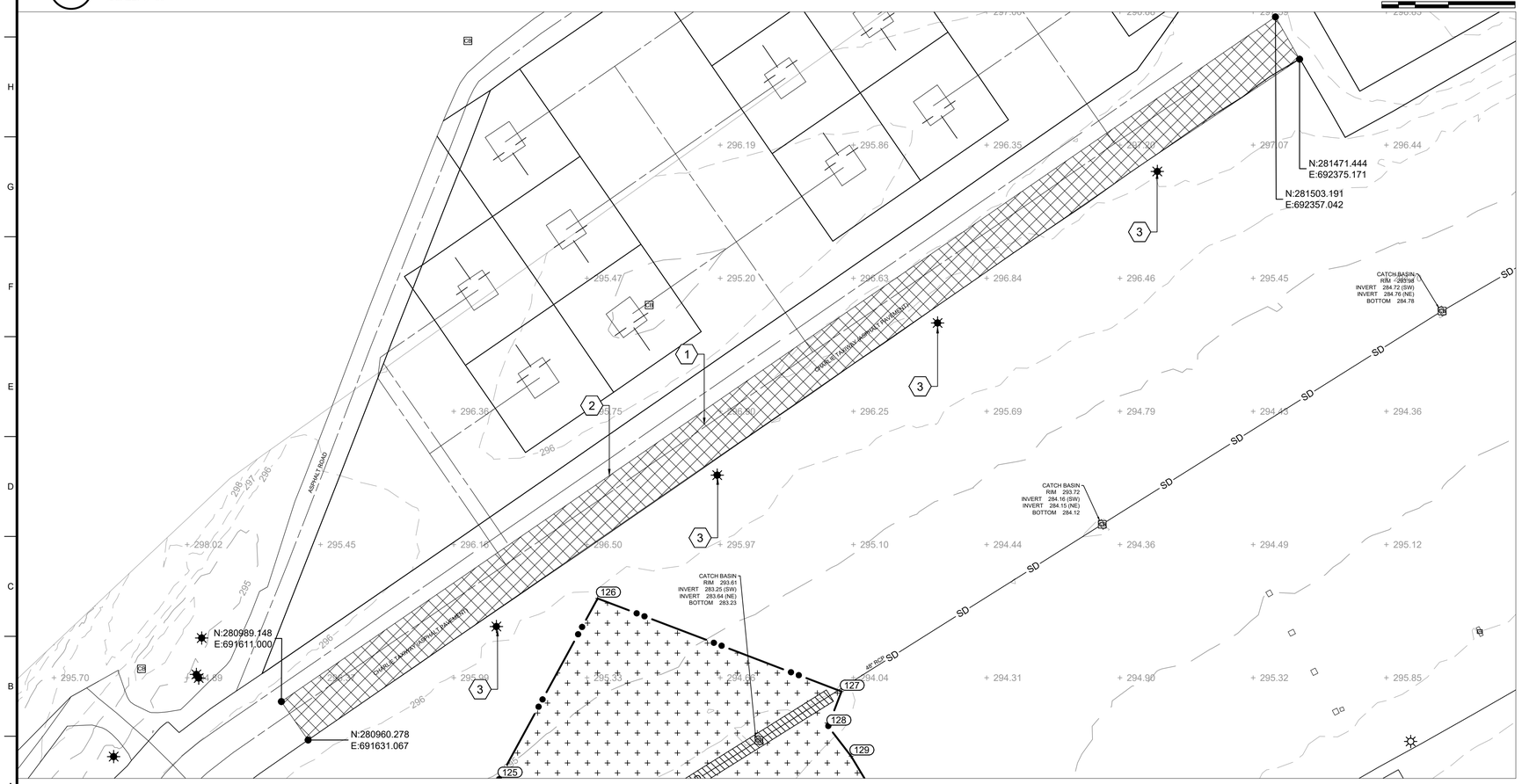
AMENDMENT NO. 0002



H1 EXISTING CONDITIONS AND DEMOLITION PLAN - PAVEMENT REMOVALS (BASE BID)

SCALE: 1" 50'

0 50' 100'



A1 EXISTING CONDITIONS AND DEMOLITION PLAN - PAVEMENT REMOVALS (BASE BID)

SCALE: 1" 50'

0 50' 100'

PLAN NORTH

PLAN NORTH

GENERAL SHEET NOTES

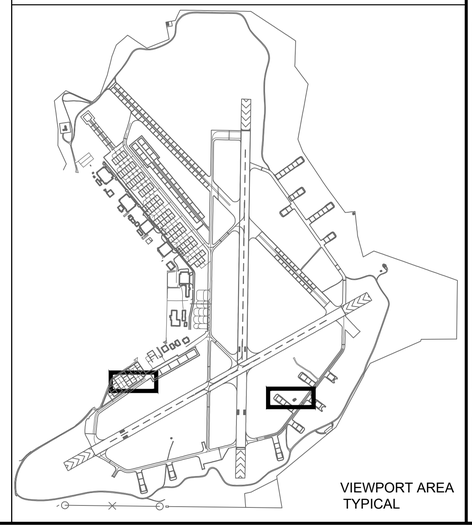
1. SEE C-001 FOR LOCATION AND VICINITY MAP.
2. SEE C-002 FOR ABBREVIATIONS.
3. SEE C-003 FOR PROJECT LEGEND.
4. SEE C-004 FOR PROJECT NOTES.
5. SEE C-004 FOR SURVEY NOTES AND CONTROL DATA.
6. ALL UTILITIES SHOWN ARE FOR INFORMATION PURPOSES ONLY. ACTUAL LOCATION OF UTILITIES SHALL BE FIELD VERIFIED BEFORE CONSTRUCTION.
7. COORDINATE ALL AIRFIELD CLOSURES WITH CONTRACTING OFFICER, G3 AIRSPACE, AND SECURITY FORCES PRIOR TO CONSTRUCTION.
8. ALL EXISTING GRASSED AREAS DISTURBED DURING CONSTRUCTION SHALL BE SODDED IN ACCORDANCE WITH SPECIFICATIONS 32 92 23.

SHEET KEYNOTES

1. REMOVE EXISTING HMA PAVEMENT FULL DEPTH
2. SAWCUT FULL DEPTH
3. REMOVE EXISTING LIGHTING AND ELECTRICAL WIRING

IF A KEY NOTE DOES NOT APPEAR IN THE DRAWING AREA, IT DOES NOT APPLY TO THAT DRAWING.

KEY MAP CAIRNS AAF



VIEWPORT AREA TYPICAL

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY: W.CHAFFIN
DRAWN BY: K. KIRBY
CHECKED BY: J. CAPE
SUBMITTED BY: J. O'DONNELL
ISSUE DATE: JULY 2026
SOLICITATION NO.: -
CONTRACT NO.: -
PROJECT NUMBER: MH172004
SIZE: MHX25004_VF114

U.S. ARMY CORPS OF ENGINEERS
MOBILE DISTRICT
109 CANAL STREET
MOBILE, ALABAMA

FORT RUCKER
REHABILITATE HELIPADS
AT CAIRNS FIELD

BASE BID
EXISTING CONDITIONS AND DEMOLITION PLAN

SHEET ID
VF114

AMENDMENT NO. 0002



A1 GEOMETRIC LAYOUT PLAN - CHINOOK HILL (BID OPTION 7)

SCALE: 1" 30'

0 30' 60'

PLAN NORTH

GENERAL SHEET NOTES

1. SEE C-001 FOR LOCATION AND VICINITY MAP.
2. SEE C-002 FOR ABBREVIATIONS.
3. SEE C-003 FOR PROJECT LEGEND.
4. SEE C-004 FOR PROJECT NOTES.
5. ALL EXISTING GRASSED AREAS DISTURBED DURING CONSTRUCTION SHALL BE HYDROSEEDED IN ACCORDANCE WITH SPECIFICATION 32 92 19.
6. PAVEMENT MARKINGS NOT SHOWN FOR CLARITY. SEE SHEET CT502.
7. CONTOURS NOT SHOWN FOR CLARITY. SEE VF AND CG SHEETS.
8. ELECTRIC LIGHTING SHOWN FOR REFERENCE ONLY. REFER TO ELECTRICAL PLAN SHEETS FOR ADDITIONAL DETAILS

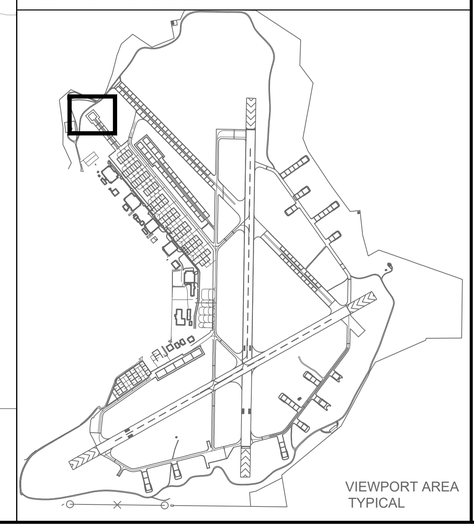
SHEET KEYNOTES

1. 300' X 300' PRIMARY SURFACE (FOR INFORMATION ONLY)
2. PROPOSED HMA SHOULDER. SEE DETAIL A9 ON SHEET CT502
3. PROPOSED PCC HELIPAD. SEE DETAIL J1 ON SHEET CT503.
4. PROPOSED HMA PAVEMENT

POINT TABLE

N .	NORTHING	EASTING	ELEVATION	DESCRIPTION
100	285546.706	691414.828	309.78	CNTR HPAD
101	285539.602	691485.181	309.15	PCC HPAD
102	285617.059	691421.932	310.40	PCC HPAD
103	285553.810	691344.475	310.40	PCC HPAD
104	285476.353	691407.724	309.15	PCC HPAD
105	285519.959	691500.651	308.15	HMA SHLD
106	285536.050	691520.357	307.74	HMA SHLD
107	285555.414	691504.545	308.15	HMA SHLD
108	285632.871	691441.296	309.40	HMA SHLD
109	285652.236	691425.484	309.00	HMA SHLD
110	285636.423	691406.120	309.40	HMA SHLD
111	285573.175	691328.663	309.40	HMA SHLD
112	285557.362	691309.298	309.00	HMA SHLD
113	285537.998	691325.111	309.40	HMA SHLD
114	285460.541	691388.359	308.15	HMA SHLD
115	285441.177	691404.171	307.74	HMA SHLD
116	285451.641	691416.986	308.01	HMA SHLD
117	285512.208	691506.970	307.53	HMA SHLD
118	285443.899	691423.316	307.26	HMA SHLD
119	285471.486	691457.099	307.92	HMA SHLD
120	285490.213	691480.034	307.93	HMA SHLD
121	285498.481	691434.822	309.15	PCC HPAD
122	285517.456	691458.059	309.15	PCC HPAD

KEY MAP CAIRNS AAF



VIEWPORT AREA TYPICAL

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY: W. CHAFFIN
DRAWN BY: K. KIRBY
CHECKED BY: J. LONG
SUBMITTED BY: J. O'DONNELL
ISSUE DATE: JULY 2026
SOLICITATION NO.: -
CONTRACT NO.: -
PROJECT NUMBER: MHY25004
SIZE: MHY25004 CT101

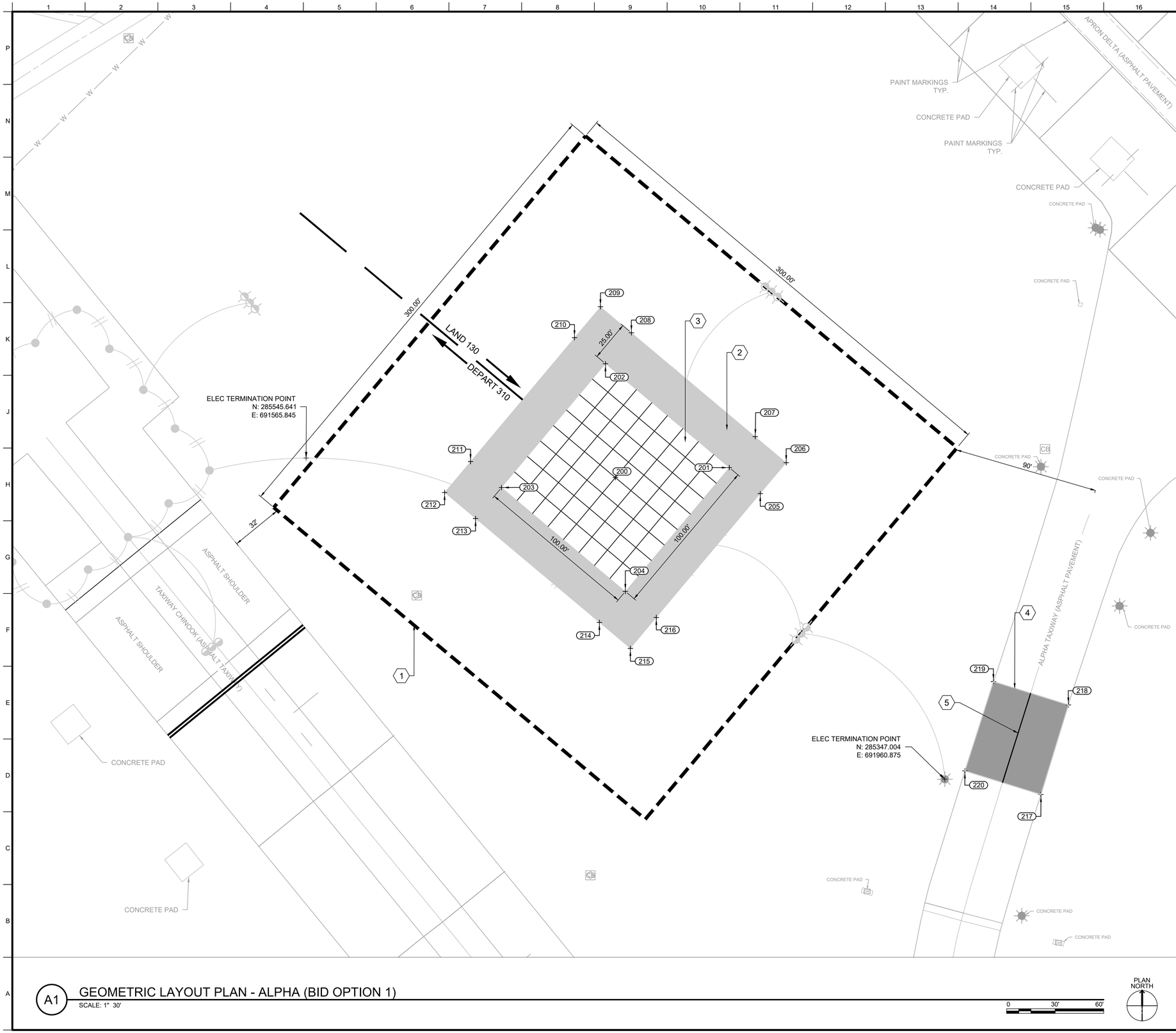
U.S. ARMY CORPS OF ENGINEERS
MOBILE DISTRICT
100 CANAL STREET
MOBILE, ALABAMA

FORT RUCKER
REHABILITATE HELIPADS
AT CAIRNS FIELD

BID OPTION 7
GEOMETRIC LAYOUT PLAN

SHEET ID
CT101

AMENDMENT NO. 0002



GENERAL SHEET NOTES

1. SEE C-001 FOR LOCATION AND VICINITY MAP.
2. SEE C-002 FOR ABBREVIATIONS.
3. SEE C-003 FOR PROJECT LEGEND.
4. SEE C-004 FOR PROJECT NOTES.
5. ALL EXISTING GRASSED AREAS DISTURBED DURING CONSTRUCTION SHALL BE HYDROSEEDED IN ACCORDANCE WITH SPECIFICATION 32 92 19.
6. PAVEMENT MARKINGS NOT SHOWN FOR CLARITY. SEE SHEET CT502.
7. CONTOURS NOT SHOWN FOR CLARITY. SEE VF AND CG SHEETS.
8. ELECTRIC LIGHTING SHOWN FOR REFERENCE ONLY. REFER TO ELECTRICAL PLAN SHEETS FOR ADDITIONAL DETAILS

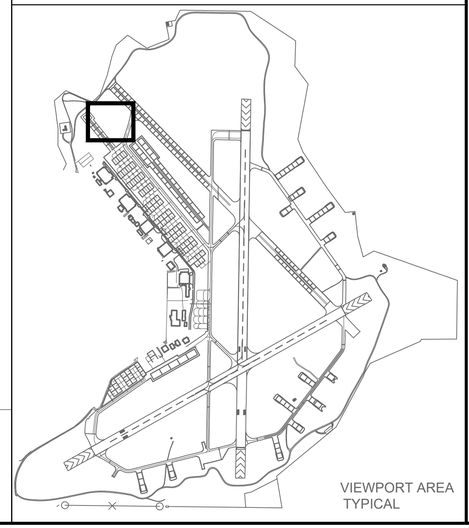
SHEET KEYNOTES

1. 300' X 300' PRIMARY SURFACE (FOR INFORMATION ONLY)
2. PROPOSED HMA SHOULDER. SEE DETAIL A9 ON SHEET CT502
3. PROPOSED PCC HELIPAD. SEE DETAIL J1 ON SHEET CT503.
4. PROPOSED HMA SEALANT.
5. PROPOSED TAXIWAY CENTERLINE MARKING. SEE DETAIL J1 SHEET CT502.

POINT TABLE

N .	NORTHING	EASTING	ELEVATION	DESCRIPTION
200	285533.576	691757.129	305.77	CNTR HPAD ALPHA
201	285539.741	691827.571	306.40	HPAD ALPHA
202	285604.018	691750.965	306.40	HPAD ALPHA
203	285527.412	691686.688	305.15	HPAD ALPHA
204	285463.135	691763.294	305.15	HPAD ALPHA
205	285523.671	691846.722	305.40	SHLD ALPHA
206	285542.823	691862.792	304.99	SHLD ALPHA
207	285558.892	691843.640	305.40	SHLD ALPHA
208	285623.169	691767.034	305.40	SHLD ALPHA
209	285639.238	691747.883	304.99	SHLD ALPHA
210	285620.087	691731.814	305.40	SHLD ALPHA
211	285543.481	691667.536	304.15	SHLD ALPHA
212	285524.330	691651.467	303.74	SHLD ALPHA
213	285508.260	691670.619	304.15	SHLD ALPHA
214	285443.983	691747.224	304.15	SHLD ALPHA
215	285427.914	691766.376	303.74	SHLD ALPHA
216	285447.065	691782.445	304.15	SHLD ALPHA
217	285337.477	692020.318	303.98	HMA OVERLAY
218	285392.939	692037.295	304.21	HMA OVERLAY
219	285407.387	691990.943	304.12	HMA OVERLAY
220	285352.128	691973.320	304.02	HMA OVERLAY

KEY MAP CAIRNS AAF



A1 GEOMETRIC LAYOUT PLAN - ALPHA (BID OPTION 1)
SCALE: 1" 30'

0 30' 60'

PLAN NORTH

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY: W. CHAFFIN
DRAWN BY: K. KIRBY
CHECKED BY: J. LONG
SUBMITTED BY: J. O'DONNELL
ISSUE DATE: JULY 2026
SOLICITATION NO.: -
CONTRACT NO.: -
PROJECT NUMBER: MHY25004
SIZE:
MHY25004 CT102

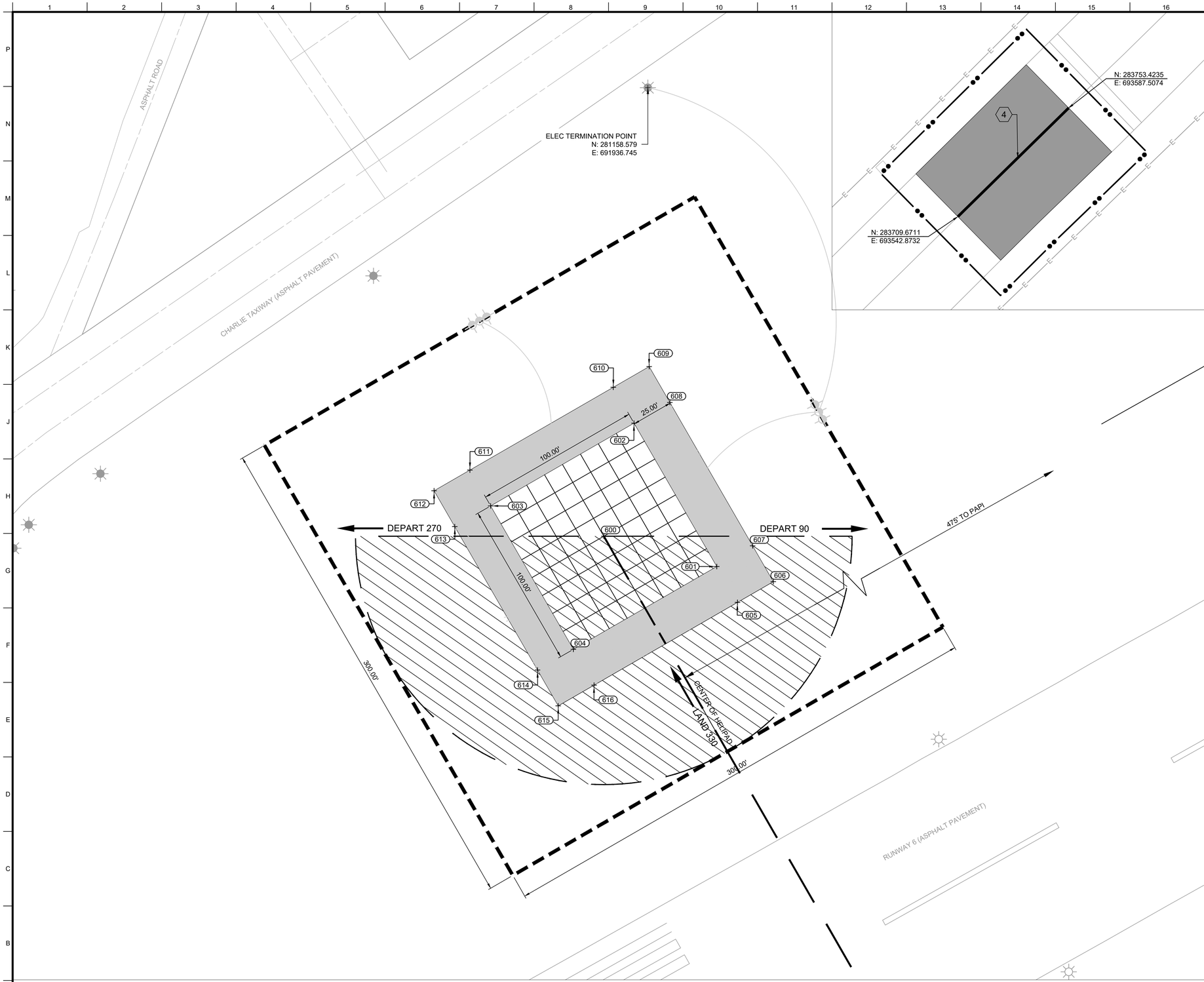
U.S. ARMY CORPS OF ENGINEERS
MOBILE DISTRICT
109 CANAL STREET
MOBILE, ALABAMA

FORT RUCKER
REHABILITATE HELIPADS
AT CAIRNS FIELD

BID OPTION 1
GEOMETRIC LAYOUT PLAN

SHEET ID
CT102

AMENDMENT NO. 0002



GENERAL SHEET NOTES

1. SEE C-001 FOR LOCATION AND VICINITY MAP.
2. SEE C-002 FOR ABBREVIATIONS.
3. SEE C-003 FOR PROJECT LEGEND.
4. SEE C-004 FOR PROJECT NOTES.
5. ALL EXISTING GRASSED AREAS DISTURBED DURING CONSTRUCTION SHALL BE HYDROSEEDED IN ACCORDANCE WITH SPECIFICATION 32 92 19.
6. PAVEMENT MARKINGS NOT SHOWN FOR CLARITY. SEE SHEET CT502.
7. CONTOURS NOT SHOWN FOR CLARITY. SEE VF AND CG SHEETS.
8. ELECTRIC LIGHTING SHOWN FOR REFERENCE ONLY. REFER TO ELECTRICAL PLAN SHEETS FOR ADDITIONAL DETAILS

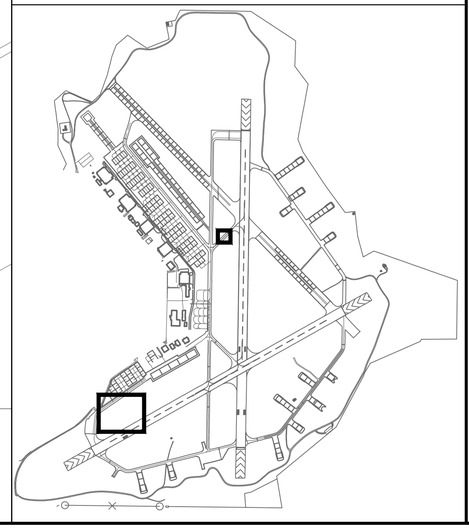
SHEET KEYNOTES

1. 300' X 300' PRIMARY SURFACE (FOR INFORMATION ONLY)
2. PROPOSED HMA SHOULDER. SEE DETAIL A9 ON SHEET CT502
3. PROPOSED PCC HELIPAD. SEE DETAIL J1 ON SHEET CT503.
4. PROPOSED TAXIWAY CENTERLINE MARKING. SEE DETAIL J1 ON SHEET CT502.

POINT TABLE

N .	NORTHING	EASTING	ELEVATION	DESCRIPTION
600	280887.647	691910.145	297.78	CNTR HPAD
601	280869.367	691978.367	298.40	PCC HPAD
602	280955.970	691928.367	297.15	PCC HPAD
603	280905.970	691841.764	297.15	PCC HPAD
604	280819.367	691891.764	298.40	PCC HPAD
605	280847.716	691990.867	297.80	PCC HPAD
606	280860.216	692012.517	297.80	PCC HPAD
607	280881.867	692000.017	297.52	PCC HPAD
608	280968.470	691950.017	296.42	PCC HPAD
609	280990.120	691937.517	296.15	PCC HPAD
610	280977.620	691915.867	296.15	PCC HPAD
611	280927.620	691829.264	296.15	PCC HPAD
612	280915.120	691807.614	296.15	PCC HPAD
613	280893.470	691820.114	296.42	PCC HPAD
614	280806.867	691870.114	297.52	PCC HPAD
615	280785.216	691882.614	297.80	PCC HPAD
616	280797.716	691904.264	297.80	PCC HPAD

KEY MAP CAIRNS AAF



A1 GEOMETRIC LAYOUT PLAN - CHARLIE (BID OPTION 2)
SCALE: 1" 30'

0 30' 60'

PLAN NORTH

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

ISSUE DATE: JULY 2026
SOLICITATION NO.: -
CONTRACT NO.: -
PROJECT NUMBER: MHY25004

DESIGNED BY: W. CHAFFIN
DRAWN BY: K. KIRBY
CHECKED BY: J. LONG
SUBMITTED BY: J. O'DONNELL
SIZE:

MHY25004 CT103

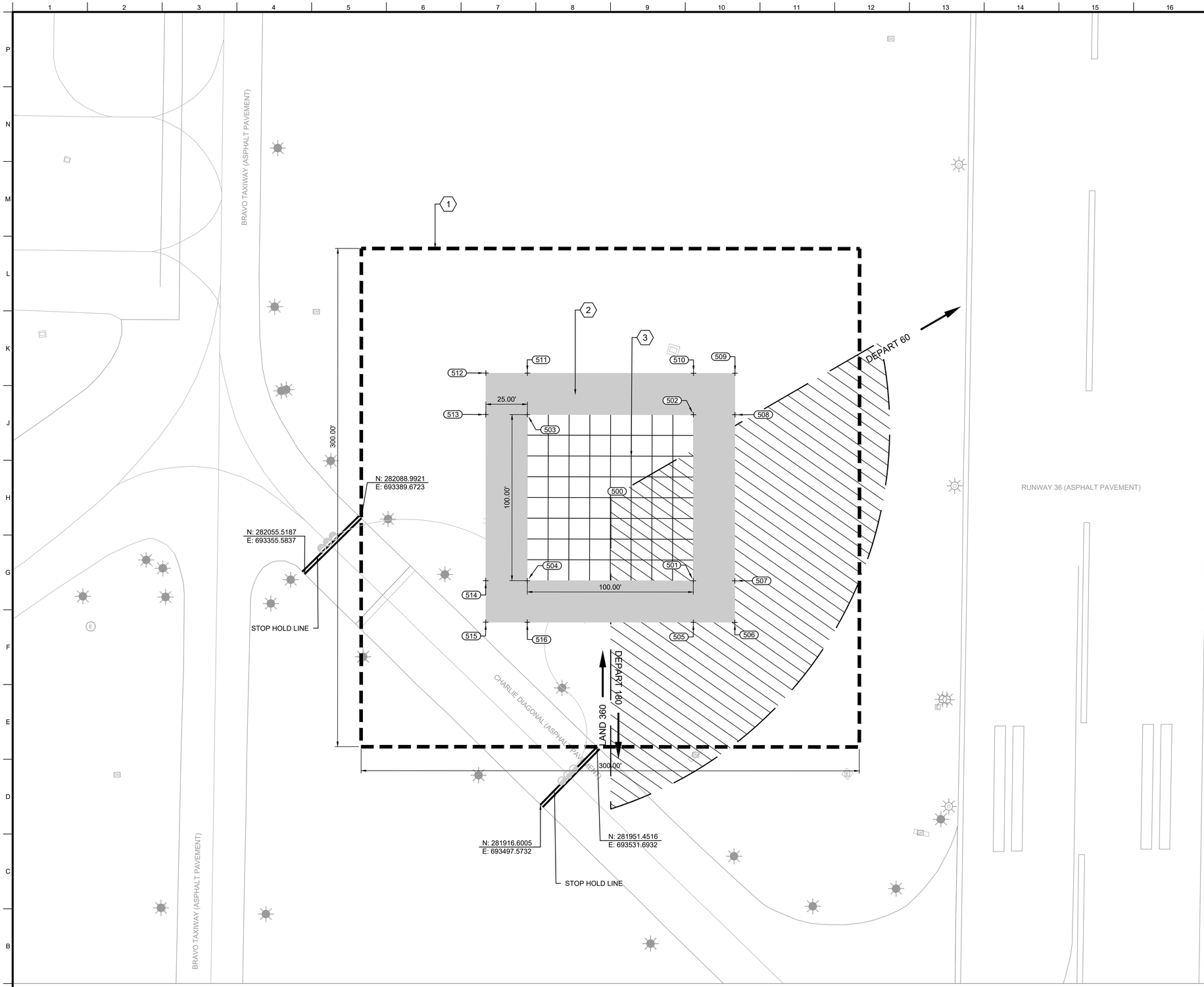
U.S. ARMY CORPS OF ENGINEERS
MOBILE DISTRICT
100 CANAL STREET
MOBILE, ALABAMA

FORT RUCKER
REHABILITATE HELIPADS
AT CAIRNS FIELD

BID OPTION 2
GEOMETRIC LAYOUT PLAN

SHEET ID
CT103

AMENDMENT NO. 0002



A1 GEOMETRIC LAYOUT PLAN - BRAVO (BID OPTION 3)
SCALE: 1" 30'

0 30' 60'

PLAN NORTH

GENERAL SHEET NOTES

1. SEE C-001 FOR LOCATION AND VICINITY MAP.
2. SEE C-002 FOR ABBREVIATIONS.
3. SEE C-003 FOR PROJECT LEGEND.
4. SEE C-004 FOR PROJECT NOTES.
5. ALL EXISTING GRASSED AREAS DISTURBED DURING CONSTRUCTION SHALL BE SODDED IN ACCORDANCE WITH SPECIFICATION 32 92 23.
6. PAVEMENT MARKINGS NOT SHOWN FOR CLARITY. SEE SHEETS.
7. CONTOURS NOT SHOWN FOR CLARITY. SEE VF AND CG SHEETS.
8. UNDERGROUND UTILITIES NOT SHOWN FOR CLARITY. SEE VF SHEETS.

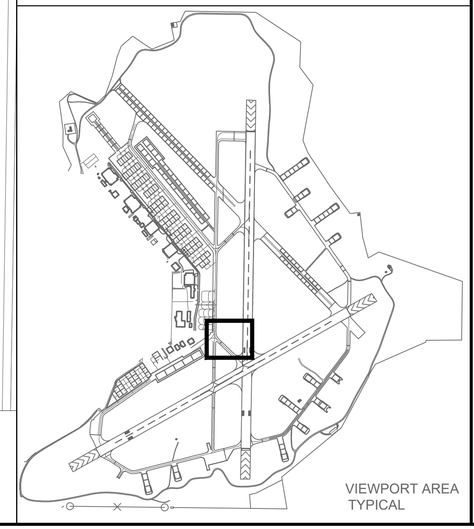
SHEET KEYNOTES

1. 300' X 300' PRIMARY SURFACE (FOR INFORMATION ONLY)
2. PROPOSED HMA SHOULDER. SEE DETAIL A9 ON SHEET CT502
3. PROPOSED PCC HELIPAD. SEE DETAIL J1 ON SHEET CT503.

POINT TABLE

N .	NORTHING	EASTING	ELEVATION	DESCRIPTION
500	282101.505	693539.737	298.77	CNTR HPAD
501	282051.420	693589.652	298.15	HPAD
502	282151.420	693589.706	298.15	HPAD
503	282151.474	693489.706	299.40	HPAD
504	282051.474	693489.652	299.40	HPAD
505	282026.420	693589.639	297.15	SHLD
506	282026.407	693614.639	296.74	SHLD
507	282051.407	693614.652	297.15	SHLD
508	282151.407	693614.706	297.15	SHLD
509	282176.407	693614.720	296.74	SHLD
510	282176.420	693589.720	297.15	SHLD
511	282176.474	693489.720	298.40	SHLD
512	282176.488	693464.720	298.00	SHLD
513	282151.488	693464.706	298.40	SHLD
514	282051.488	693464.652	298.40	SHLD
515	282026.488	693464.639	298.00	SHLD
516	282026.474	693489.639	298.40	SHLD

KEY MAP CAIRNS AAF



VIEWPORT AREA TYPICAL

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

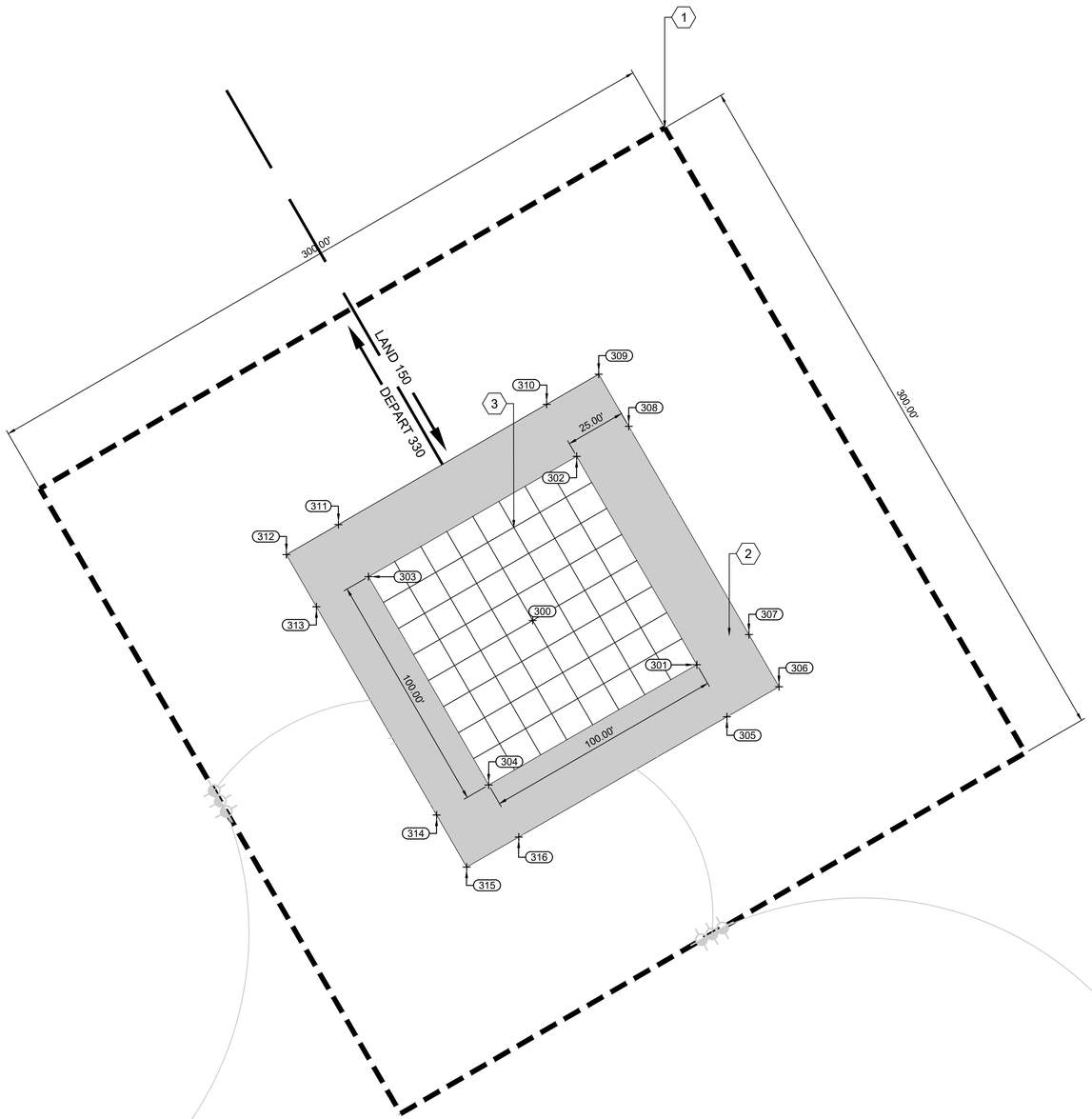
U.S. ARMY CORPS OF ENGINEERS
MOBILE DISTRICT
100 CANAL STREET
MOBILE, ALABAMA

DESIGNED BY: W. CHAFFIN
DRAWN BY: K. KIRBY
CHECKED BY: J. LONG
SUBMITTED BY: J. O'DONNELL
SIZE:
ISSUE DATE: JULY 2026
SOLICITATION NO.: -
CONTRACT NO.: -
PROJECT NUMBER: MHY25004
MHY25004.CT104

FORT RUCKER
REHABILITATE HELIPADS
AT CAIRNS FIELD

BID OPTION 3
GEOMETRIC LAYOUT PLAN

SHEET ID
CT104



GENERAL SHEET NOTES

1. SEE C-001 FOR LOCATION AND VICINITY MAP.
2. SEE C-002 FOR ABBREVIATIONS.
3. SEE C-003 FOR PROJECT LEGEND.
4. SEE C-004 FOR PROJECT NOTES.
5. ALL EXISTING GRASSED AREAS DISTURBED DURING CONSTRUCTION SHALL BE HYDROSEEDED IN ACCORDANCE WITH SPECIFICATION 32 92 19.
6. PAVEMENT MARKINGS NOT SHOWN FOR CLARITY. SEE SHEET CT502.
7. CONTOURS NOT SHOWN FOR CLARITY. SEE VF AND CG SHEETS.
8. ELECTRIC LIGHTING SHOWN FOR REFERENCE ONLY. REFER TO ELECTRICAL PLAN SHEETS FOR ADDITIONAL DETAILS

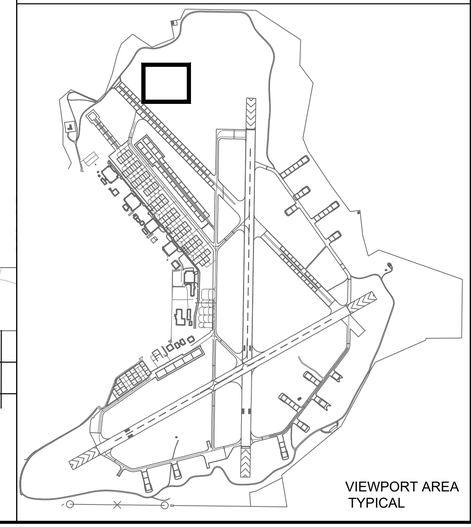
SHEET KEYNOTES

1. 300' X 300' PRIMARY SURFACE (FOR INFORMATION ONLY)
2. PROPOSED HMA SHOULDER. SEE DETAIL A9 ON SHEET CT502
3. PROPOSED PCC HELIPAD. SEE DETAIL J1 ON SHEET CT503.

POINT TABLE

N .	NORTHING	EASTING	ELEVATION	DESCRIPTION
300	286122.321	692543.174	310.20	CNTR HPAD
301	286103.941	692611.454	310.82	HPAD
302	286190.544	692561.454	310.82	HPAD
303	286140.544	692474.852	309.57	HPAD
304	286053.941	692524.852	309.57	HPAD
305	286082.291	692623.954	309.82	SHLD
306	286094.791	692645.605	309.41	SHLD
307	286116.441	692633.105	309.82	SHLD
308	286203.044	692583.105	309.82	SHLD
309	286224.694	692570.605	309.41	SHLD
310	286212.194	692548.954	309.82	SHLD
311	286162.194	692462.352	308.57	SHLD
312	286149.694	692440.701	308.16	SHLD
313	286128.044	692453.201	308.57	SHLD
314	286041.441	692503.201	308.57	SHLD
315	286019.791	692515.701	308.16	SHLD
316	286032.291	692537.352	308.57	SHLD

KEY MAP CAIRNS AAF



VIEWPORT AREA TYPICAL

A1 GEOMETRIC LAYOUT PLAN - DELTA 1 (BASE BID)

SCALE: 1" 30'

0 30' 60'

PLAN NORTH

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

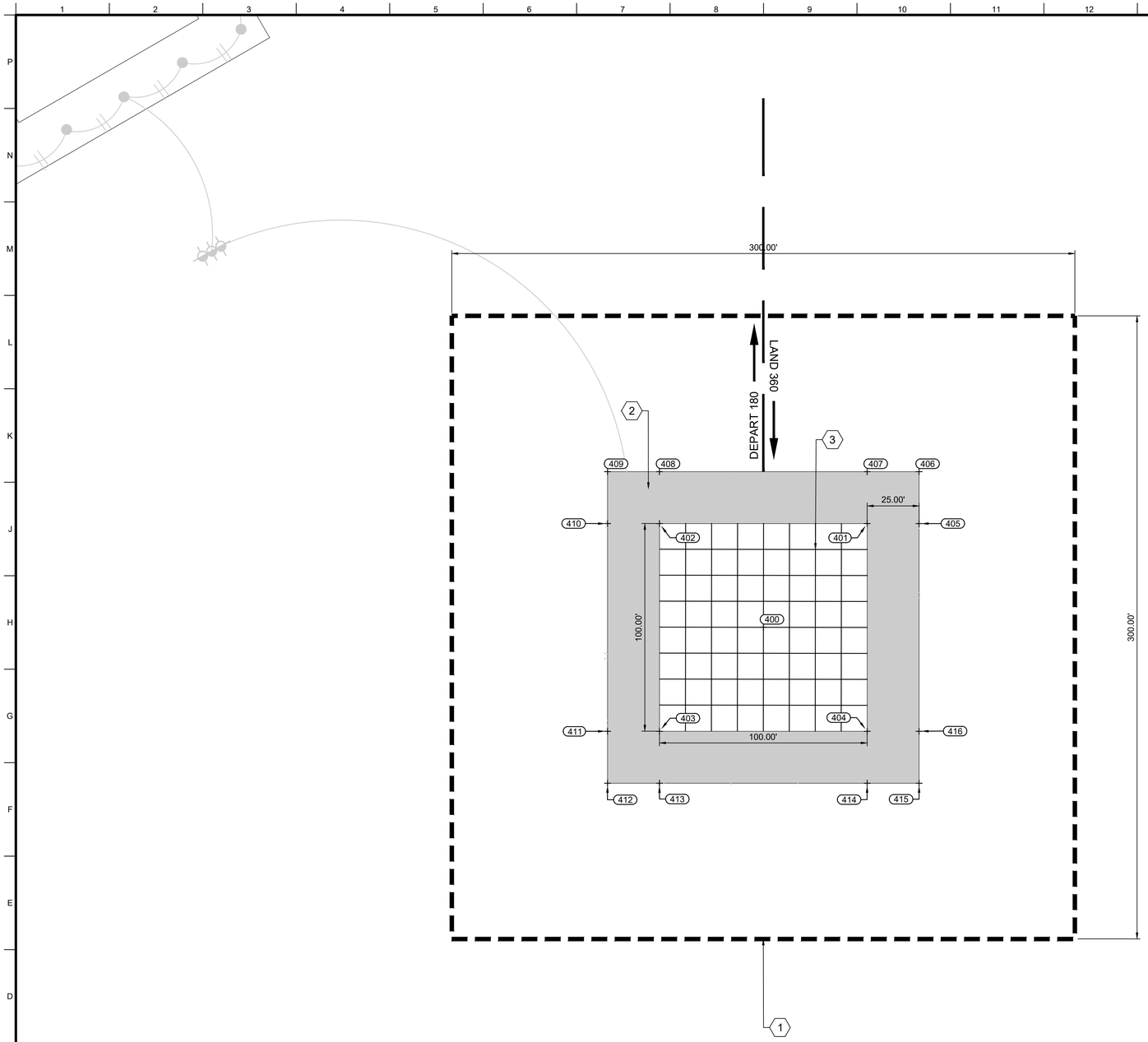
DESIGNED BY: W. CHAFFIN
DRAWN BY: K. KIRBY
CHECKED BY: J. LONG
SUBMITTED BY: J. O'DONNELL
ISSUE DATE: JULY 2026
SOLICITATION NO.: -
CONTRACT NO.: -
PROJECT NUMBER: MH125004
SIZE: MHX25004 CT105

U.S. ARMY CORPS OF ENGINEERS
MOBILE DISTRICT
100 CANAL STREET
MOBILE, ALABAMA

FORT RUCKER
REHABILITATE HELIPADS
AT CAIRNS FIELD

BASE BID
GEOMETRIC LAYOUT PLAN

SHEET ID
CT105



GENERAL SHEET NOTES

1. SEE C-001 FOR LOCATION AND VICINITY MAP.
2. SEE C-002 FOR ABBREVIATIONS.
3. SEE C-003 FOR PROJECT LEGEND.
4. SEE C-004 FOR PROJECT NOTES.
5. ALL EXISTING GRASSED AREAS DISTURBED DURING CONSTRUCTION SHALL BE HYDROSEEDED IN ACCORDANCE WITH SPECIFICATION 32 92 19.
6. PAVEMENT MARKINGS NOT SHOWN FOR CLARITY. SEE SHEET CT502.
7. CONTOURS NOT SHOWN FOR CLARITY. SEE VF AND CG SHEETS.
8. ELECTRIC LIGHTING SHOWN FOR REFERENCE ONLY. REFER TO ELECTRICAL PLAN SHEETS FOR ADDITIONAL DETAILS. HELIPADS DELTA 1 AND DELTA 2 HAVE THE SAME ELECTRICAL TERMINATION POINT SEE SHEET CT105.

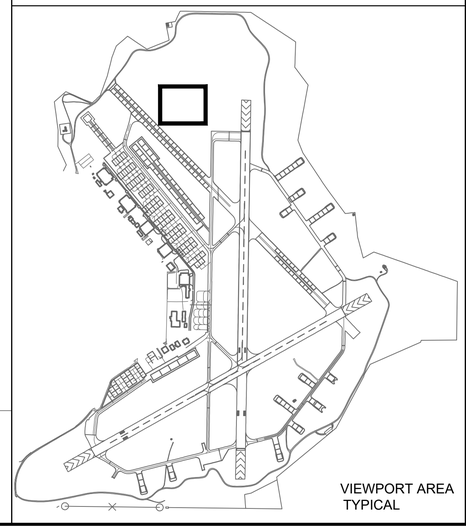
SHEET KEYNOTES

1. 300' X 300' PRIMARY SURFACE (FOR INFORMATION ONLY)
2. PROPOSED HMA SHOULDER. SEE DETAIL A9 ON SHEET CT502
3. PROPOSED PCC HELIPAD. SEE DETAIL J1 ON SHEET CT503.

POINT TABLE

N .	NORTHING	EASTING	ELEVATION	DESCRIPTION
400	285810.986	692883.332	311.81	CNTR HPAD
401	285860.928	692933.274	312.44	HPAD
402	285860.928	692833.274	311.19	HPAD
403	285760.928	692833.274	311.19	HPAD
404	285760.928	692933.274	312.44	HPAD
405	285860.928	692958.274	311.44	SHLD
406	285885.928	692958.274	311.03	SHLD
407	285885.928	692933.274	311.44	SHLD
408	285885.928	692833.274	310.19	SHLD
409	285885.928	692808.274	309.77	SHLD
410	285860.928	692808.274	310.18	SHLD
411	285760.928	692808.274	310.18	SHLD
412	285735.928	692808.274	309.77	SHLD
413	285735.928	692833.274	310.18	SHLD
414	285735.928	692933.274	311.43	SHLD
415	285735.928	692958.274	311.02	SHLD
416	285760.928	692958.274	311.44	SHLD

KEY MAP CAIRNS AAF



VIEWPORT AREA TYPICAL

A1 GEOMETRIC LAYOUT PLAN - DELTA 2 (BASE BID)
SCALE: 1" 30'

0 30' 60'

PLAN NORTH

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY: W. CHAFFIN
DRAWN BY: K. KIRBY
CHECKED BY: J. LONG
SUBMITTED BY: J. O'DONNELL
ISSUE DATE: JULY 2026
SOLICITATION NO.: -
CONTRACT NO.: -
PROJECT NUMBER: MHY25004
SIZE: MHY25004 CT106

U.S. ARMY CORPS OF ENGINEERS
MOBILE DISTRICT
100 CANAL STREET
MOBILE, ALABAMA

FORT RUCKER
REHABILITATE HELIPADS
AT CAIRNS FIELD

BASE BID
GEOMETRIC LAYOUT PLAN

SHEET ID
CT106

AMENDMENT NO. 0002



A1 GEOMETRIC LAYOUT PLAN - ECHO (BID OPTION 4)

SCALE: 1" 30'

0 30' 60'

PLAN NORTH

GENERAL SHEET NOTES

1. SEE C-001 FOR LOCATION AND VICINITY MAP.
2. SEE C-002 FOR ABBREVIATIONS.
3. SEE C-003 FOR PROJECT LEGEND.
4. SEE C-004 FOR PROJECT NOTES.
5. ALL EXISTING GRASSED AREAS DISTURBED DURING CONSTRUCTION SHALL BE HYDROSEEDED IN ACCORDANCE WITH SPECIFICATION 32 92 19.
6. PAVEMENT MARKINGS NOT SHOWN FOR CLARITY. SEE SHEET CT502.
7. CONTOURS NOT SHOWN FOR CLARITY. SEE VF AND CG SHEETS.
8. ELECTRIC LIGHTING SHOWN FOR REFERENCE ONLY. REFER TO ELECTRICAL PLAN SHEETS FOR ADDITIONAL DETAILS

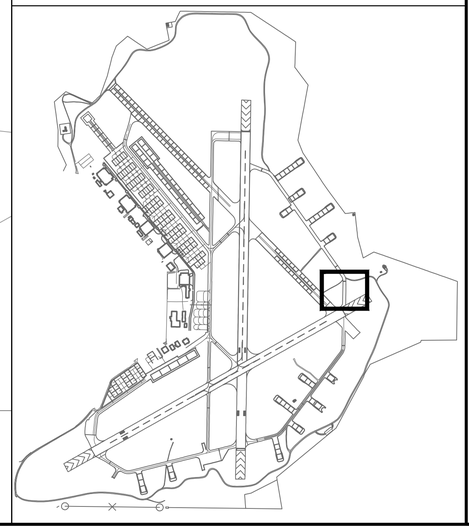
SHEET KEYNOTES

1. 300' X 300' PRIMARY SURFACE (FOR INFORMATION ONLY)
2. PROPOSED HMA SHOULDER. SEE DETAIL A9 ON SHEET CT502
3. PROPOSED PCC HELIPAD. SEE DETAIL J1 ON SHEET CT503.
4. PROPOSED YANKEE ROW EXTENSION. SEE DETAIL A1 ON SHEET CT503 FOR DETAIL.

POINT TABLE

N .	NORTHING	EASTING	ELEVATION	DESCRIPTION
700	282876.948	695443.048	294.94	CNTR HPAD
701	282857.826	695511.124	294.32	PCC HPAD
702	282944.968	695462.069	294.32	PCC HPAD
703	282895.913	695374.928	295.56	PCC HPAD
704	282808.771	695423.982	295.56	PCC HPAD
705	282836.041	695523.388	293.31	HMA SHLD
706	282848.304	695545.173	293.06	HMA SHLD
707	282870.090	695532.909	293.06	HMA SHLD
708	282957.231	695483.855	293.06	HMA SHLD
709	282979.017	695471.591	293.05	HMA SHLD
710	282966.753	695449.806	293.32	HMA SHLD
711	282917.698	695362.664	294.57	HMA SHLD
712	282905.435	695340.879	294.60	HMA SHLD
713	282883.649	695353.142	294.57	HMA SHLD
714	282796.508	695402.197	294.57	HMA SHLD
715	282774.722	695414.461	294.71	HMA SHLD
716	282786.986	695436.246	294.56	HMA SHLD

KEY MAP CAIRNS AAF



US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY: W. CHAFFIN
DRAWN BY: K. KIRBY
CHECKED BY: J. LONG
SUBMITTED BY: J. O'DONNELL
ISSUE DATE: JULY 2026
SOLICITATION NO.: -
CONTRACT NO.: -
PROJECT NUMBER: MHY25004
SIZE: MHY25004 CT107

U.S. ARMY CORPS OF ENGINEERS
MOBILE DISTRICT
109 CANAL STREET
MOBILE, ALABAMA

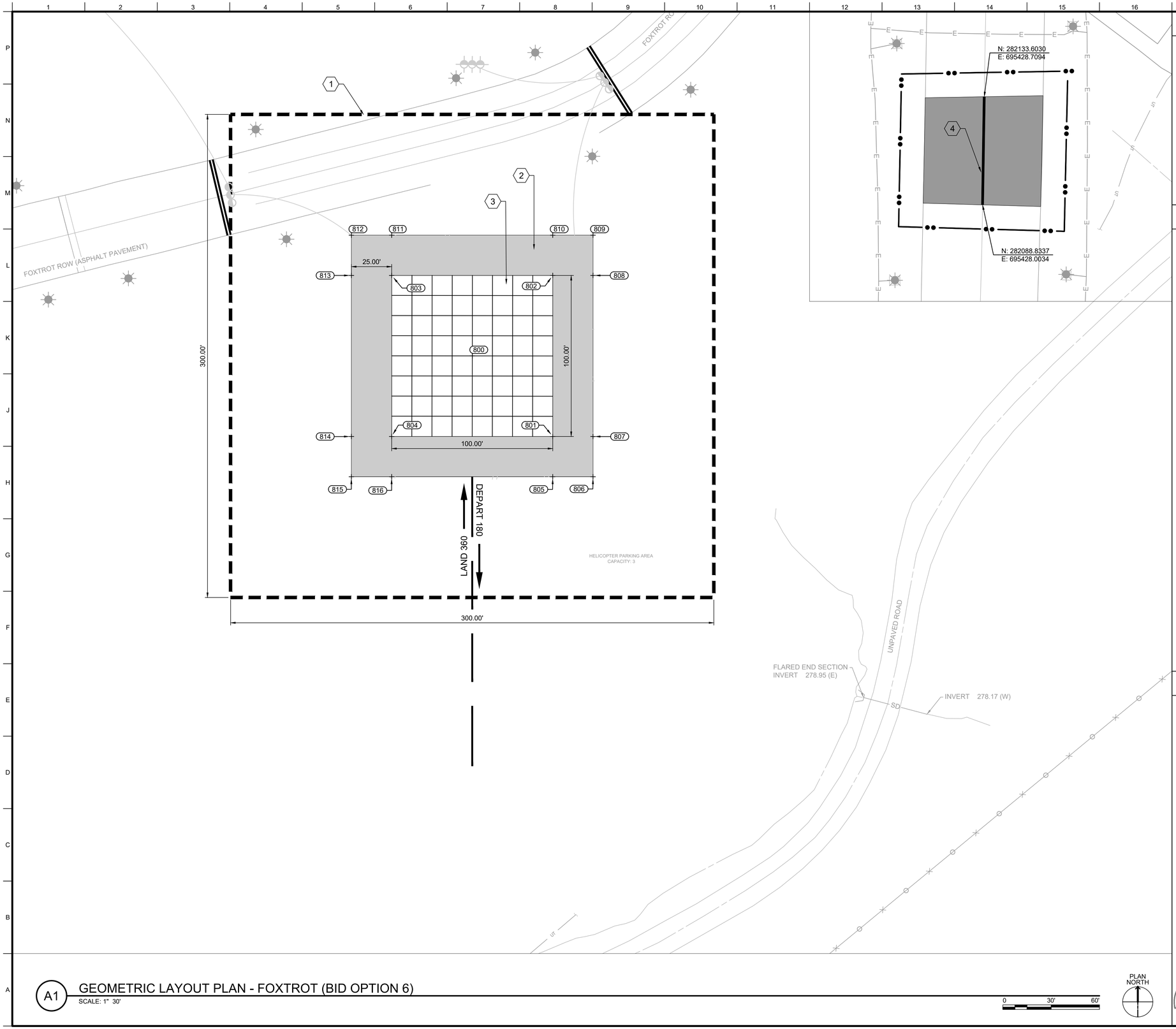
FORT RUCKER
REHABILITATE HELIPADS
AT CAIRNS FIELD

BID OPTION 4
GEOMETRIC LAYOUT PLAN

SHEET ID

CT107

AMENDMENT NO. 0002



GENERAL SHEET NOTES

1. SEE C-001 FOR LOCATION AND VICINITY MAP.
2. SEE C-002 FOR ABBREVIATIONS.
3. SEE C-003 FOR PROJECT LEGEND.
4. SEE C-004 FOR PROJECT NOTES.
5. ALL EXISTING GRASSED AREAS DISTURBED DURING CONSTRUCTION SHALL BE HYDROSEEDED IN ACCORDANCE WITH SPECIFICATION 32 92 19.
6. PAVEMENT MARKINGS NOT SHOWN FOR CLARITY. SEE SHEET CT502.
7. CONTOURS NOT SHOWN FOR CLARITY. SEE VF AND CG SHEETS.
8. ELECTRIC LIGHTING SHOWN FOR REFERENCE ONLY. REFER TO ELECTRICAL PLAN SHEETS FOR ADDITIONAL DETAILS

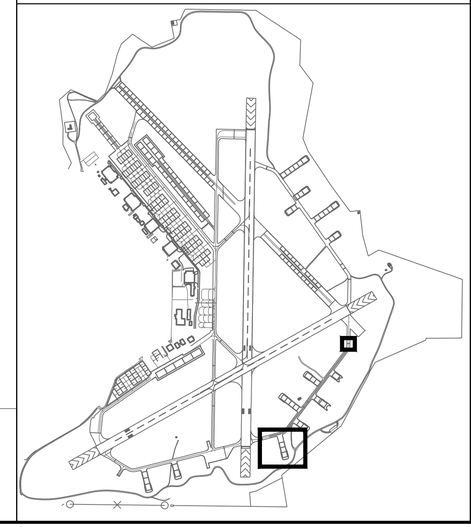
SHEET KEYNOTES

1. 300' X 300' PRIMARY SURFACE (FOR INFORMATION ONLY)
2. PROPOSED HMA SHOULDER. SEE DETAIL A9 ON SHEET CT502
3. PROPOSED PCC HELIPAD. SEE DETAIL J1 ON SHEET CT503.
4. PROPOSED TAXIWAY CENTERLINE MARKING. SEE DETAIL J1 ON SHEET CT502.

POINT TABLE

N .	NORTHING	EASTING	ELEVATION	DESCRIPTION
800	280422.288	694309.374	295.38	CNTR HPAD
801	280372.230	694359.317	294.75	PCC HPAD
802	280472.230	694359.317	296.00	PCC HPAD
803	280472.230	694259.317	296.00	PCC HPAD
804	280372.230	694259.317	294.75	PCC HPAD
805	280347.230	694359.317	293.75	HMA SHLD
806	280347.230	694384.317	293.34	HMA SHLD
807	280372.230	694384.317	293.75	HMA SHLD
808	280472.230	694384.317	295.00	HMA SHLD
809	280497.230	694384.317	294.59	HMA SHLD
810	280497.230	694359.317	295.00	HMA SHLD
811	280497.230	694259.317	295.00	HMA SHLD
812	280497.230	694234.317	294.59	HMA SHLD
813	280472.230	694234.317	295.00	HMA SHLD
814	280372.230	694234.317	293.75	HMA SHLD
815	280347.230	694234.317	293.34	HMA SHLD
816	280347.230	694259.317	293.75	HMA SHLD

KEY MAP CAIRNS AAF



A1 GEOMETRIC LAYOUT PLAN - FOXTROT (BID OPTION 6)
SCALE: 1" 30'

0 30' 60'

PLAN NORTH

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY: W. CHAFFIN
DRAWN BY: K. KIRBY
CHECKED BY: J. LONG
SUBMITTED BY: J. O'DONNELL
ISSUE DATE: JULY 2026
SOLICITATION NO.: -
CONTRACT NO.: -
PROJECT NUMBER: MH172004
SIZE: MHY25004 CT108

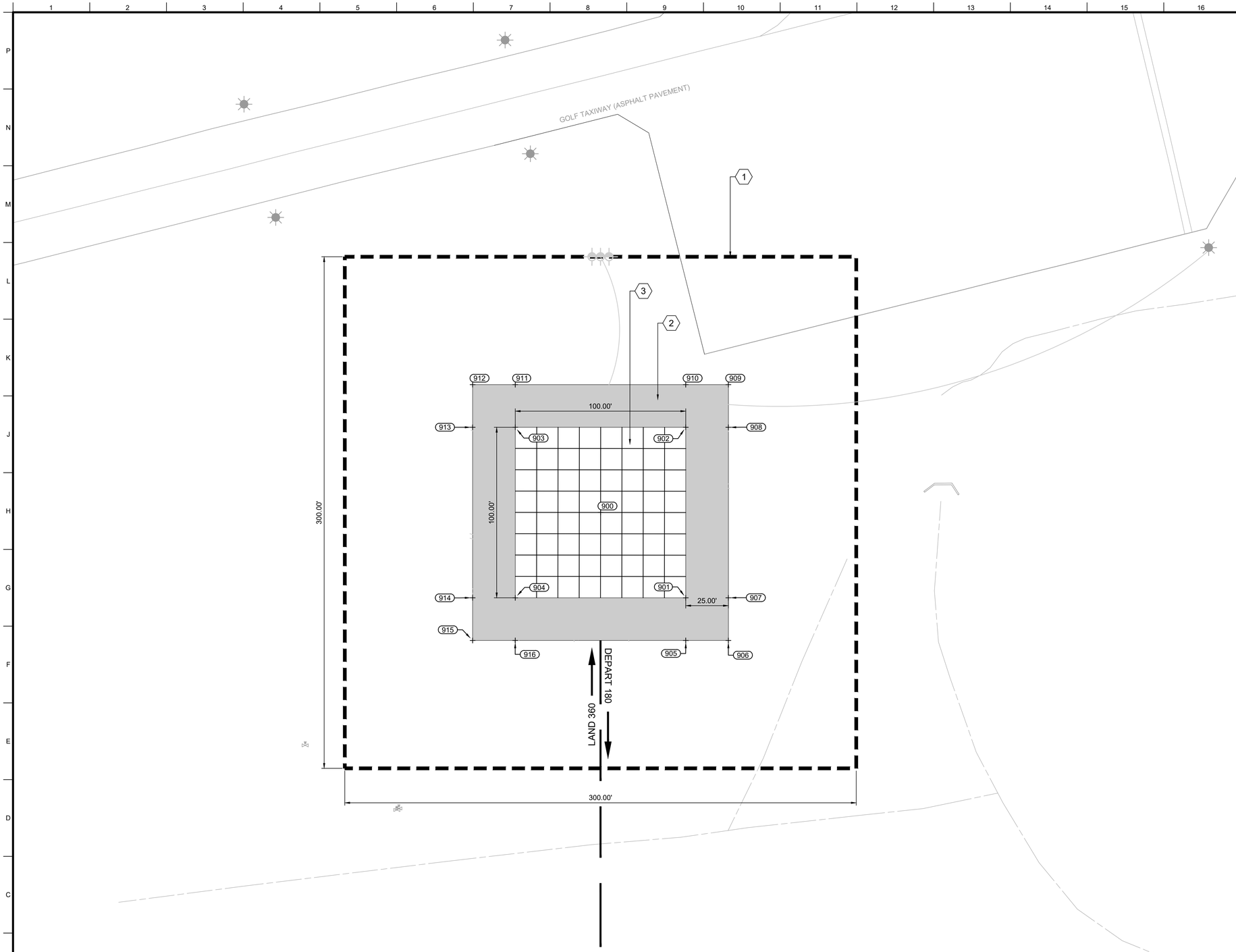
U.S. ARMY CORPS OF ENGINEERS
MOBILE DISTRICT
100 CANAL STREET
MOBILE, ALABAMA

FORT RUCKER
REHABILITATE HELIPADS
AT CAIRNS FIELD

BID OPTION 6
GEOMETRIC LAYOUT PLAN

SHEET ID
CT108

AMENDMENT NO. 0002



GENERAL SHEET NOTES

1. SEE C-001 FOR LOCATION AND VICINITY MAP.
2. SEE C-002 FOR ABBREVIATIONS.
3. SEE C-003 FOR PROJECT LEGEND.
4. SEE C-004 FOR PROJECT NOTES.
5. ALL EXISTING GRASSED AREAS DISTURBED DURING CONSTRUCTION SHALL BE HYDROSEEDED IN ACCORDANCE WITH SPECIFICATION 32 92 19.
6. PAVEMENT MARKINGS NOT SHOWN FOR CLARITY. SEE SHEET CT502.
7. CONTOURS NOT SHOWN FOR CLARITY. SEE VF AND CG SHEETS.
8. UNDERGROUND UTILITIES NOT SHOWN FOR CLARITY. SEE VF SHEETS.

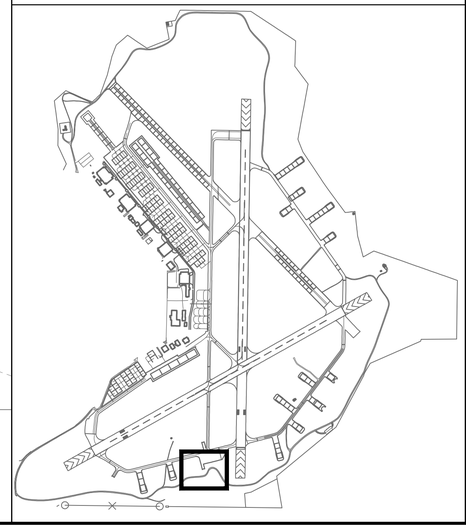
SHEET KEYNOTES

1. 300' X 300' PRIMARY SURFACE (FOR INFORMATION ONLY)
2. PROPOSED HMA SHOULDER. SEE DETAIL A9 ON SHEET CT502
3. PROPOSED PCC HELIPAD. SEE DETAIL J1 ON SHEET CT503.

POINT TABLE

N .	NORTHING	EASTING	ELEVATION	DESCRIPTION
900	280013.846	693148.865	295.42	CNTR HPAD
901	279963.788	693198.807	294.80	PCC HPAD
902	280063.788	693198.807	294.80	PCC HPAD
903	280063.788	693098.807	296.05	PCC HPAD
904	279963.788	693098.807	296.05	PCC HPAD
905	279938.788	693198.807	293.80	HMA SHLD
906	279938.788	693223.807	293.39	HMA SHLD
907	279963.788	693223.807	293.80	HMA SHLD
908	280063.788	693223.807	293.80	HMA SHLD
909	280088.788	693223.807	293.39	HMA SHLD
910	280088.788	693198.807	293.80	HMA SHLD
911	280088.788	693098.807	295.05	HMA SHLD
912	280088.788	693073.807	294.64	HMA SHLD
913	280063.788	693073.807	295.05	HMA SHLD
914	279963.788	693073.807	295.05	HMA SHLD
915	279938.788	693073.807	294.64	HMA SHLD
916	279938.788	693098.807	295.05	HMA SHLD

KEY MAP CAIRNS AAF



A1 GEOMETRIC LAYOUT PLAN - GOLF (BID OPTION 5)
SCALE: 1" 30'

0 30' 60'

PLAN NORTH

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY: W. CHAFFIN
DRAWN BY: K. KIRBY
CHECKED BY: J. LONG
SUBMITTED BY: J. O'DONNELL
ISSUE DATE: JULY 2026
SOLICITATION NO.: -
CONTRACT NO.: -
PROJECT NUMBER: MHY25004
SIZE: MHY25004 CT109

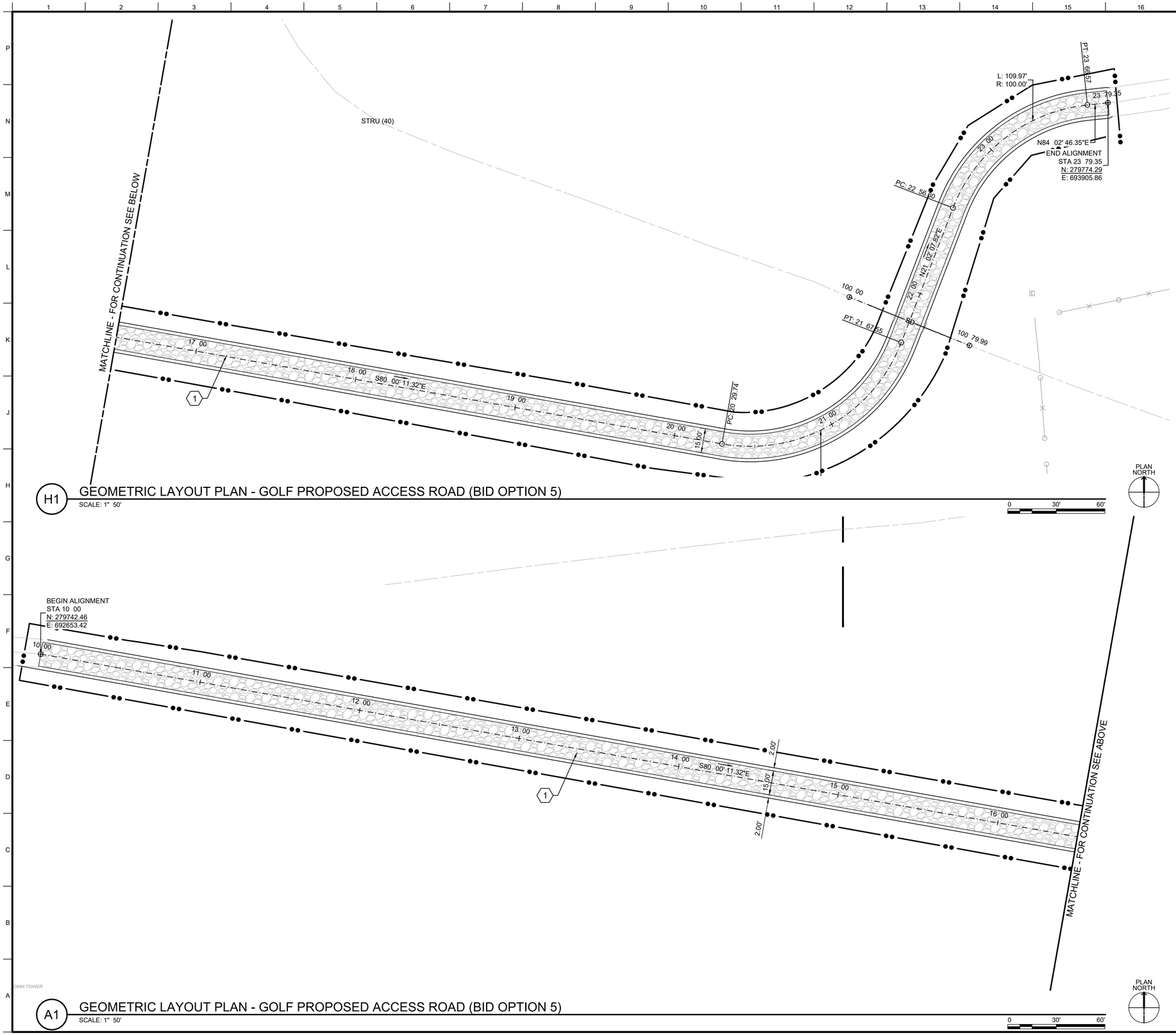
U.S. ARMY CORPS OF ENGINEERS
MOBILE DISTRICT
109 CANAL STREET
MOBILE, ALABAMA

FORT RUCKER
REHABILITATE HELIPADS
AT CAIRNS FIELD

BID OPTION 5
GEOMETRIC LAYOUT PLAN

SHEET ID
CT109

AMENDMENT NO. 0002



H1 GEOMETRIC LAYOUT PLAN - GOLF PROPOSED ACCESS ROAD (BID OPTION 5)

SCALE: 1" 50'

A1 GEOMETRIC LAYOUT PLAN - GOLF PROPOSED ACCESS ROAD (BID OPTION 5)

SCALE: 1" 50'

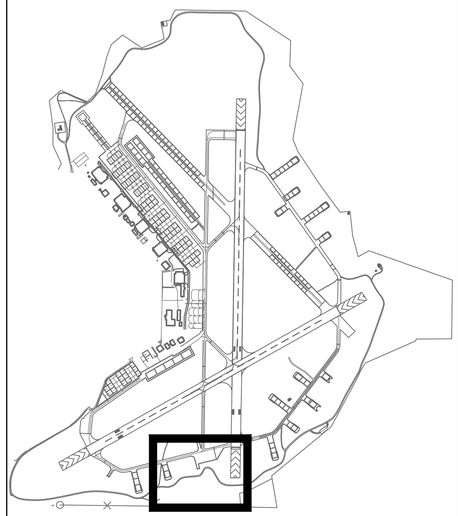
GENERAL SHEET NOTES

1. SEE C-001 FOR LOCATION AND VICINITY MAP.
2. SEE C-002 FOR ABBREVIATIONS.
3. SEE C-003 FOR PROJECT LEGEND.
4. SEE C-004 FOR PROJECT NOTES.
5. ALL EXISTING GRASSED AREAS DISTURBED DURING CONSTRUCTION SHALL BE SODDED IN ACCORDANCE WITH SPECIFICATION 32 92 23.
6. PAVEMENT MARKINGS NOT SHOWN FOR CLARITY. SEE SHEETS.
7. CONTOURS NOT SHOWN FOR CLARITY. SEE VF AND CG SHEETS.
8. UNDERGROUND UTILITIES NOT SHOWN FOR CLARITY. SEE VF SHEETS.

SHEET KEYNOTES

1. PROPOSED AGGREGATE ROADWAY. SEE DETAIL A16 ON SHEET CT503

KEY MAP CAIRNS AAF



KEYMAP CAIRNS AAF

VIEWPORT AREA TYPICAL

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY: W. CHAFFIN	ISSUE DATE: JULY 2026
DRAWN BY: K. KIRBY	SOLICITATION NO.: -
CHECKED BY: J. LONG	CONTRACT NO.: -
SUBMITTED BY: J. O'DONNELL	PROJECT NUMBER: MHY25004
	SIZE: MHY25004.CT110

U.S. ARMY CORPS OF ENGINEERS
MOBILE DISTRICT
100 CANAL STREET
MOBILE, ALABAMA

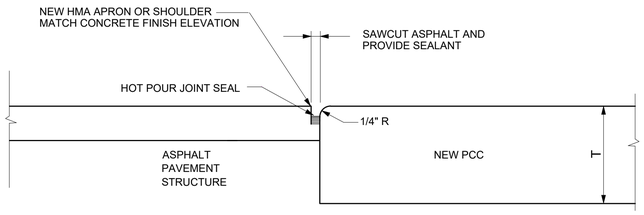
FORT RUCKER
REHABILITATE HELIPADS
AT CAIRNS FIELD

BID OPTION 5
GEOMETRIC LAYOUT PLAN

SHEET ID

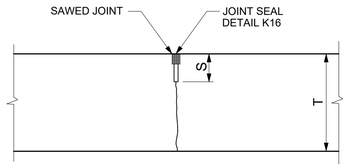
CT110

AMENDMENT NO. 0002



M2 ASPHALT EDGE BUTT JOINT (---B---)

SCALE: N.T.S.

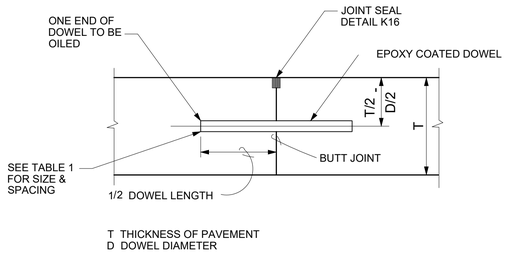


S DEPTH OF INITIAL SAWCUT,
T/4 SLAB THICKNESS

T THICKNESS OF PEMENT

J1 SAWED CONTRACTION JOINT (---C---)

SCALE: N.T.S.

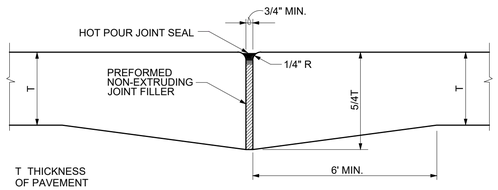


T THICKNESS OF PAVEMENT
D DOWEL DIAMETER

DOWELED JOINT NEW PAVEMENT BOTH SIDES
TRANSVERSE OR LONGITUDINAL

E1 DOWELED CONSTRUCTION JOINT (---D---)

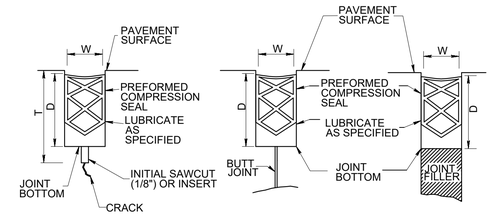
SCALE: N.T.S.



T THICKNESS
OF PAVEMENT

B1 THICKENED EDGE EXPANSION JOINT

SCALE: N.T.S. (NEW PAVEMENT BOTH SIDES)



CONTRACTION JOINT **CONSTRUCTION JOINT** **EXPANSION JOINT**

D, W, AND T DIMENSIONS : AS RECOMMENDED BY MANUFACTURER
D 1.5 INCHES MINIMUM
W 3/4 INCHES MINIMUM

TOP OF PREFORMED SEAL WILL BE 1/8 - 1/4 INCH BELOW PAVEMENT SURFACE

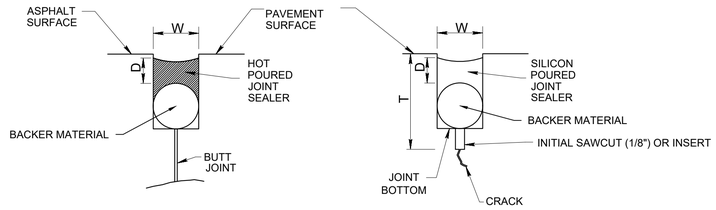
COMPRESSION SEAL MUST BE IN COMPRESSION AT ALL TIMES.

FOR ALL NEW CONSTRUCTION JOINTS EXCEPT THICKENED EDGE EXPANSION.

K16 JOINT SEALANT WITH COMPRESSION SEAL

SCALE: N.T.S

W WIDTH OF SEALANT RESERVOIR:
(CONTRACTION AND CONSTRUCTION JOINTS,1/2" TO 5/8" MAX.)
(EXPANSION JOINTS, 3/4" MIN.)
D DEPTH OF POURED SEALANT (1.0 TO 1.5 W FOR HOT POURED SEALANT, FOR SILICONE 0.5W)
T DEPTH OF INITIAL SAWCUT OR INSERT TYPE JOINT FORMER (CONTRACTION JOINT)
. 1/4 SLAB THICKNESS FOR PAVEMENT LESS THAN 12 INCHES
. 3 INCHES FOR PAVEMENTS 12-18 INCHES
. 1/6 SLAB THICKNESS FOR PAVEMENTS MORE THAN 18 INCHES

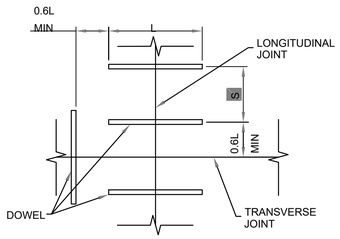


CONSTRUCTION JOINT **CONTRACTION JOINT**

G10 JOINT SEALANT WITH BACKER MATERIAL

SCALE: N.T.S.

TABLE 1			
PAVEMENT THICKNESS "T"	MAXIMUM DOWEL SPACING	MINIMUM DOWEL LENGTH	MINIMUM DOWEL DIAMETER
8-INCH	12-INCH	16-INCH	1-INCH BAR



NOTES:

1. SEE SPECIFICATION SECTION 32 13 14.14 CONCRETE PAVEMENT FOR AIRFIELDS AND OTHER HEAVY DUTY PAVEMENTS FOR ADDITIONAL DOWEL BAR SPACING REQUIREMENTS.

B15 DOWEL BAR LOCATION AND SIZES

SCALE: N.T.S.

SHEET NOTES:
1. THIS SHEET IS A STANDARD DETAIL DRAWINGS. NOT ALL DETAILS PRESENTED ARE APPLICABLE TO THIS PROJECT. SEE PLANS FOR INFORMATION REGARDING APPLICABLE DETAILS.
2. SUBGRADE SHALL BE PREPARED PRIOR TO PLACEMENT OF RIGID PAVEMENT, BASE COURSE, AND DRAINAGE LAYERS. SEE SPECIFICATION SECTION 31 00 00.
3. ALL JOINT SEALS SHALL BE COMPRESSION SEALS EXCEPT AS NOTED ON DRAWINGS

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY:
DRAWN BY:
CHECKED BY:
SUBMITTED BY:
SIZE:

ISSUE DATE: JULY 2026
SOLICITATION NO.: -
CONTRACT NO.: -
PROJECT NUMBER: MHY25004
MHY25004.CT501

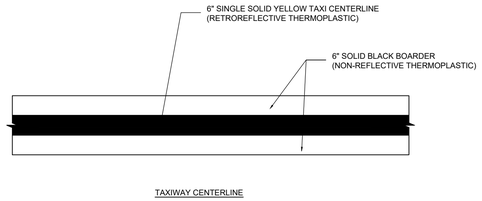
U.S. ARMY CORPS OF ENGINEERS
MOBILE DISTRICT
100 CANAL STREET
MOBILE, ALABAMA

FORT RUCKER
REHABILITATE HELIPADS
AT CAIRNS FIELD

JOINT DETAILS

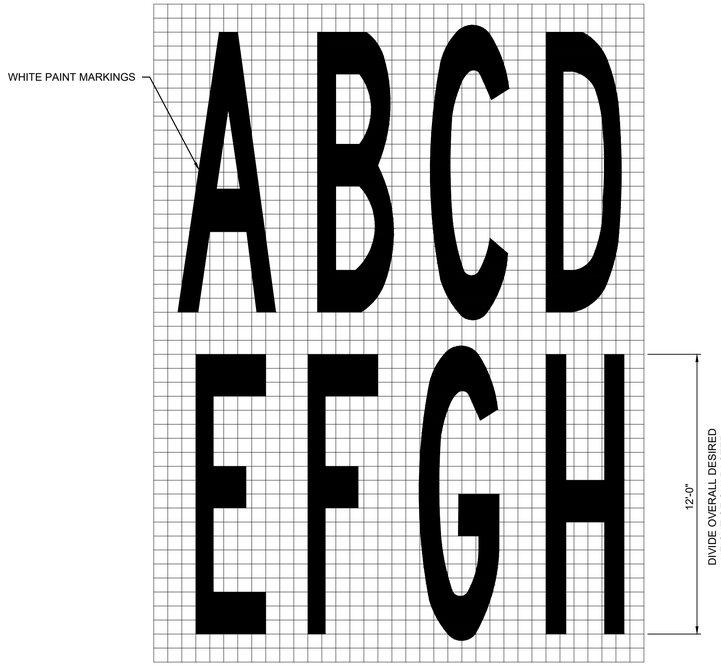
SHEET ID
CT501

AMENDMENT NO. 0002



J1 TAXIWAY MARKING DETAILS

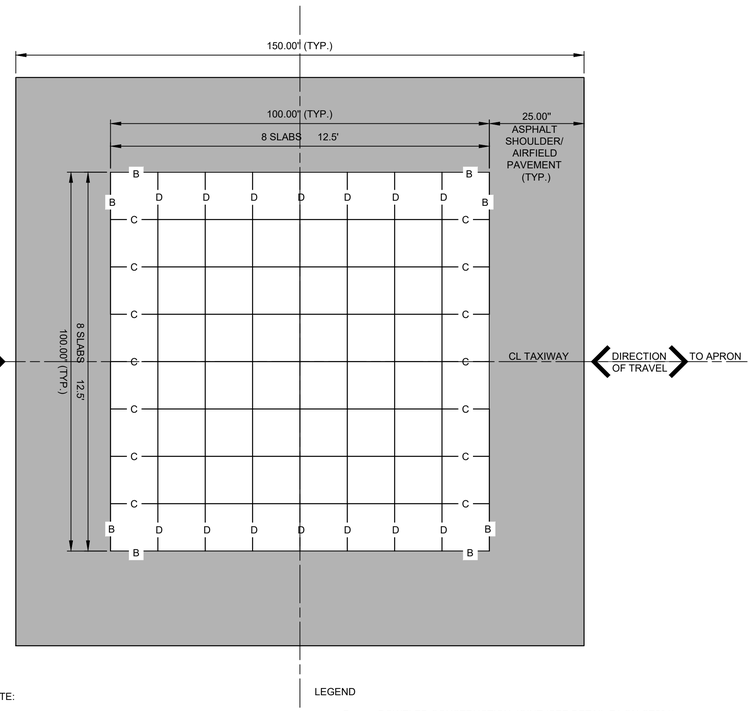
SCALE: N.T.S.



H9 HELIPAD DESIGNATION MARKING DETAIL

SCALE: N.T.S.

NOTE:
1. CONTRACTOR TO SELECT APPROPRIATE LETTER PER HELIPAD DESIGNATIONS.



NOTE:

1. NO CHANGES IN THE JOINT LAYOUT SHALL BE MADE WITHOUT THE WRITTEN APPROVAL OF THE DESIGNER OF RECORD (CESAM-EN-GC).

LEGEND

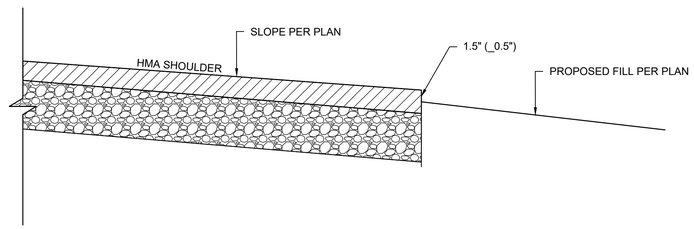
— D — DOWELED CONSTRUCTION JOINT (SEE DETAIL E1 ON CT501)

— C — SAWED CONTRACTION JOINT (MAY SUBSTITUTE A DOWELED CONSTRUCTION JOINT) (SEE DETAIL J1 ON CT501)

— B — ASPHALT EDGE BUTT JOINT (SEE DETAIL M2 ON CT501)

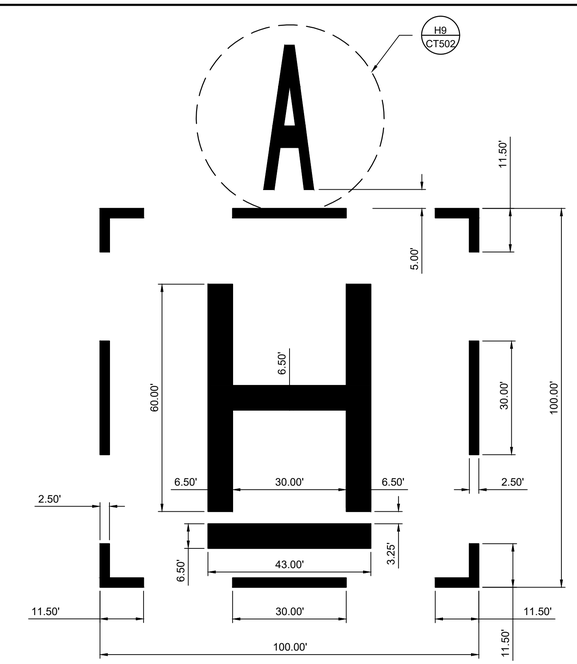
A1 TYPICAL STANDARD VFR HELIPAD JOINT LAYOUT PLAN

SCALE: N.T.S.



A9 TYPICAL EDGE OF HMA SHOULDER

SCALE: N.T.S.



NOTE:

1. HELIPAD MARKINGS TO BE ORIENTATED IN THE DIRECTION OF INGRESS/EGRESS AS SHOWN ON THESE PLANS UNLESS STATED OTHERWISE.

A15 TYPICAL STANDARD VFR HELIPAD MARKINGS

SCALE: N.T.S.

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

ISSUE DATE:	JULY 2026
SOLICITATION NO.:	-
CONTRACT NO.:	-
PROJECT NUMBER:	MH125004
DESIGNED BY:	W. CHAFFIN
DRAWN BY:	K. KIRBY
CHECKED BY:	J. LONG
SUBMITTED BY:	J. O'DONNELL
SIZE:	MHX25004 CT502

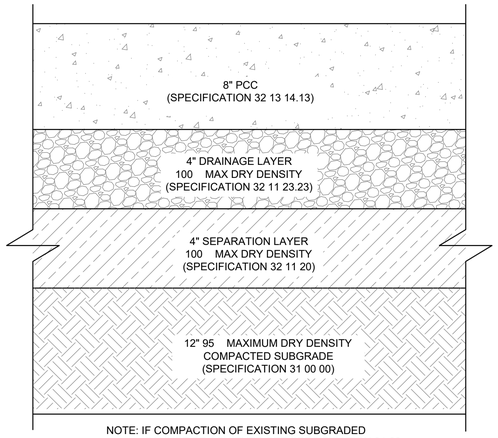
U.S. ARMY CORPS OF ENGINEERS
MOBILE DISTRICT
100 CANAL STREET
MOBILE, ALABAMA

FORT RUCKER
REHABILITATE HELIPADS
AT CAIRNS FIELD

CIVIL DETILAS

SHEET ID

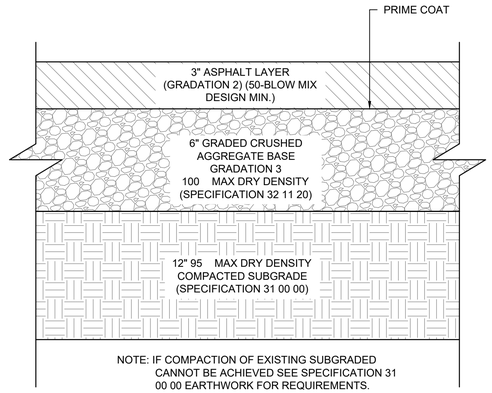
CT502



NOTE: IF COMPACTION OF EXISTING SUBGRADED CANNOT BE ACHIEVED SEE SPECIFICATION 31 00 00 EARTHWORK FOR REQUIREMENTS.

J1 AIRFIELD PCC PAVEMENT SECTION

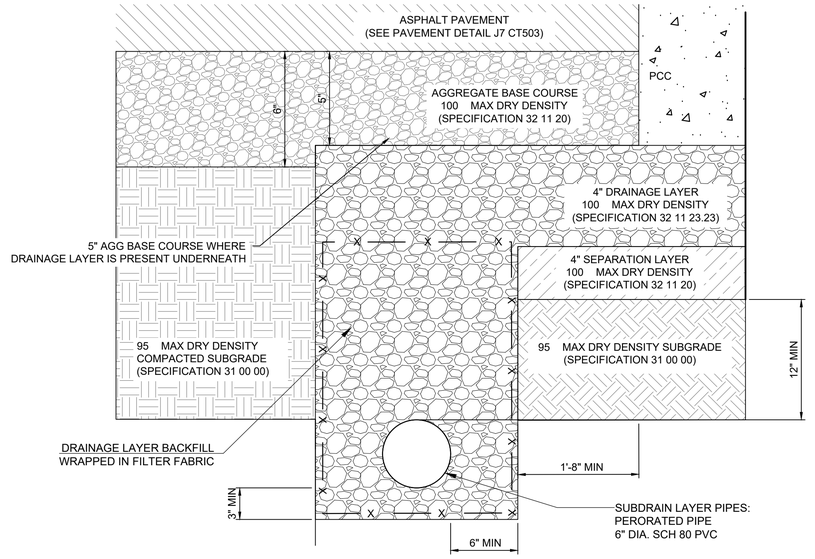
SCALE: N.T.S.



NOTE: IF COMPACTION OF EXISTING SUBGRADED CANNOT BE ACHIEVED SEE SPECIFICATION 31 00 00 EARTHWORK FOR REQUIREMENTS.

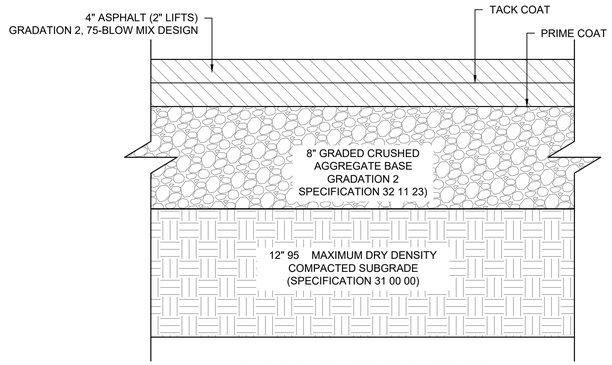
J7 AIRFIELD SHOULDERS HMA SECTION

SCALE: N.T.S.



J14 TYPICAL EDGE DRAIN SUBDRAIN DETAIL

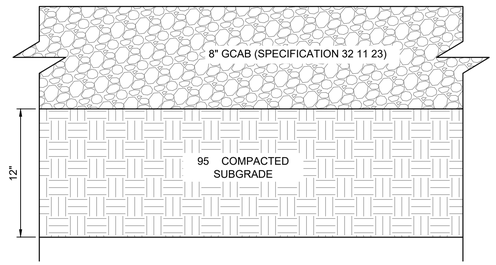
SCALE: N.T.S.



NOTE: IF COMPACTION OF EXISTING SUBGRADED CANNOT BE ACHIEVED SEE SPECIFICATION 31 00 00 EARTHWORK FOR REQUIREMENTS.

A1 AIRFIELD TAXIWAY HMA PAVEMENT SECTION

SCALE: N.T.S.



A16 TYPICAL VEHICLE ACCESS ROAD

SCALE: N.T.S.

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY: W. CHAFFIN	ISSUE DATE: JULY 2026
DRAWN BY: K. KIRBY	SOLICITATION NO.: -
CHECKED BY: J. LONG	CONTRACT NO.: -
SUBMITTED BY: J. O'DONNELL	PROJECT NUMBER: MH172004
SIZE:	MHY25004 CT503

U.S. ARMY CORPS OF ENGINEERS
MOBILE DISTRICT
100 CANAL STREET
MOBILE, ALABAMA

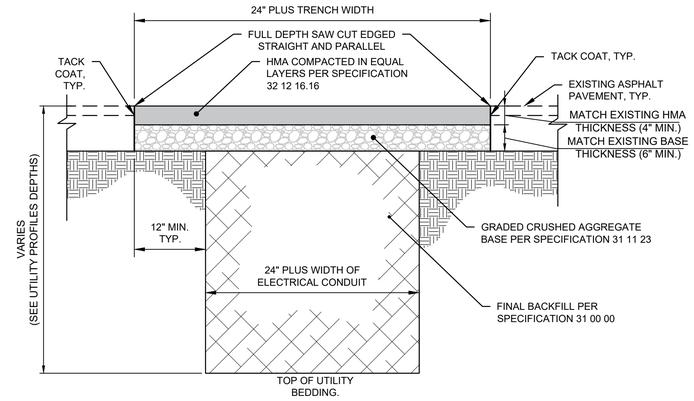
FORT RUCKER
REHABILITATE HELIPADS
AT CAIRNS FIELD

CIVIL DETILAS

SHEET ID

CT503

AMENDMENT NO. 0002

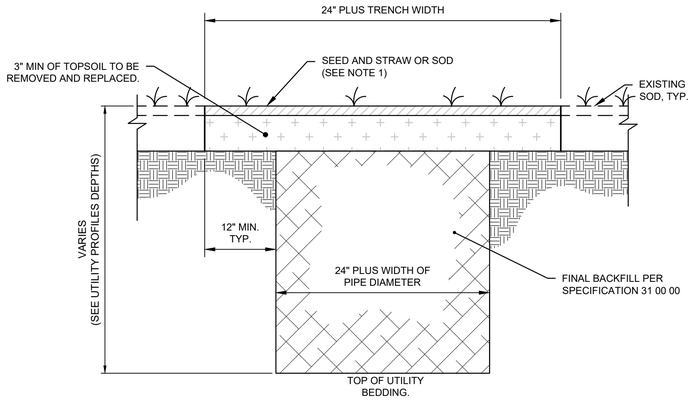


NOTE:

1. APPLY PRIME COAT PRIOR TO LAYING HMA PAVEMENT, AND APPLY TACK COATS BETWEEN EACH LIFT OF HMA PAVEMENT. APPLY TACK AND PRIME COATS IN ACCORDANCE WITH SPECIFICATION 32 12 13.
2. CONTRACTOR SHALL NOT LEAVE ANY OPEN EXCAVATIONS OR TRENCHES OVERNIGHT. ROADWAY EXCAVATIONS AND TRENCHES SHALL BE TEMPORARILY REPAIRED WITH GCAB ONCE UTILITY CROSSING IS COMPLETED.
3. FINAL GRADE SHALL TIE FLUSH WITH EXISTING HMA PAVEMENT, AND MATCH THE EXISTING GRADES OF THE ROADWAY. COMPACTED HMA SHALL NOT EXTEND MORE THAN 1/4" ABOVE EXISTING HMA SURFACE.

H1 TYPICAL HMA PAVEMENT PATCH

SCALE: N.T.S.

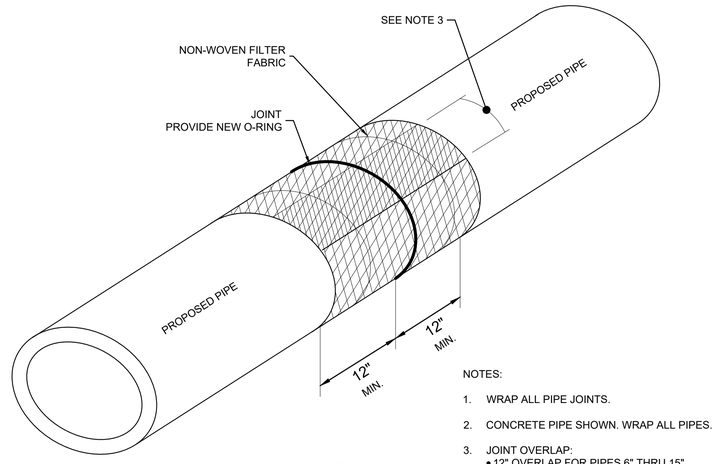


NOTE:

1. SOD ALL AREAS WITH 4H:1V SLOPES OR STEEPER PER SPECIFICATION 32 92 23. SEED AND STRAW ALL AREAS WITH SLOPES LESS THAN 4H:1V PER SPECIFICATION 32 92 19.
2. SEE SPECIFICATION 32 05 33 FOR LANDSCAPE ESTABLISHMENT REQUIREMENTS

H8 TYPICAL LANDSCAPE PATCH

SCALE: N.T.S.



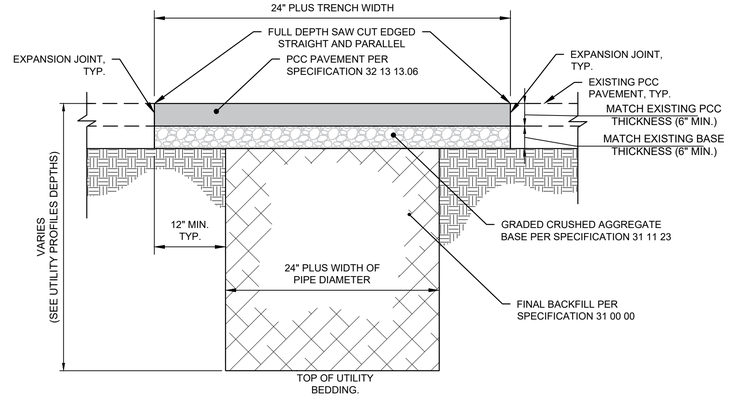
ELLIPTICAL PIPE SHOWN
(ROUND PIPE SIMILAR)
ISOMETRIC VIEW

NOTES:

1. WRAP ALL PIPE JOINTS.
2. CONCRETE PIPE SHOWN. WRAP ALL PIPES.
3. JOINT OVERLAP:
   - 12" OVERLAP FOR PIPES 6" THRU 15"
   - 24" OVERLAP FOR PIPES 18" THRU 30"

A14 PIPE WRAP DETAIL

SCALE: N.T.S.

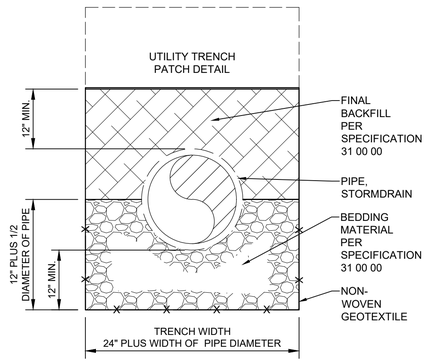


NOTE:

1. CONTRACTOR SHALL NOT LEAVE ANY OPEN EXCAVATIONS OR TRENCHES OVERNIGHT. ROADWAY EXCAVATIONS AND TRENCHES SHALL BE TEMPORARILY REPAIRED WITH GCAB ONCE UTILITY CROSSING IS COMPLETED.
2. FINAL GRADE SHALL TIE FLUSH WITH EXISTING PCC PAVEMENT, AND MATCH THE EXISTING GRADES OF THE ROADWAY. PROPOSED PCC SHALL NOT EXTEND MORE THAN 1/4" ABOVE EXISTING PCC SURFACE.

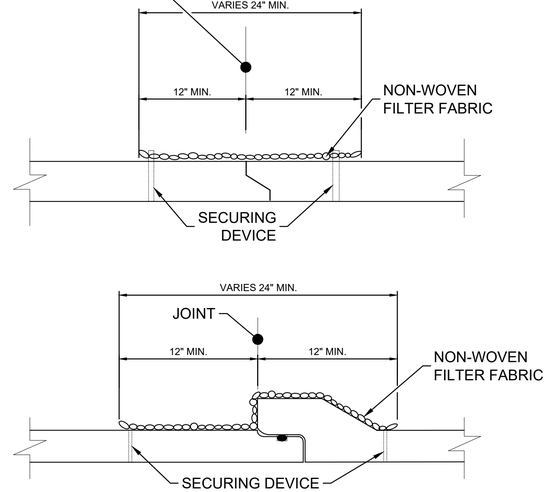
A1 TYPICAL PCC PAVEMENT PATCH

SCALE: N.T.S.



A8 TYPICAL STORM DRAIN BEDDING DETAIL

SCALE: N.T.S.



PIPE SECTIONS

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY: W. CHAFFIN	ISSUE DATE: JULY 2026
DRAWN BY: S. TURNER	SOLICITATION NO.: -
CHECKED BY: J. LONG	CONTRACT NO.: -
SUBMITTED BY: J. O'DONNELL	PROJECT NUMBER: MHY25004
	SIZE: MHY25004_CT504

U.S. ARMY CORPS OF ENGINEERS
MOBILE DISTRICT
100 CANAL STREET
MOBILE, ALABAMA

FORT RUCKER
REHABILITATE HELIPADS
AT CAIRNS FIELD

CIVIL DETAILS

SHEET ID

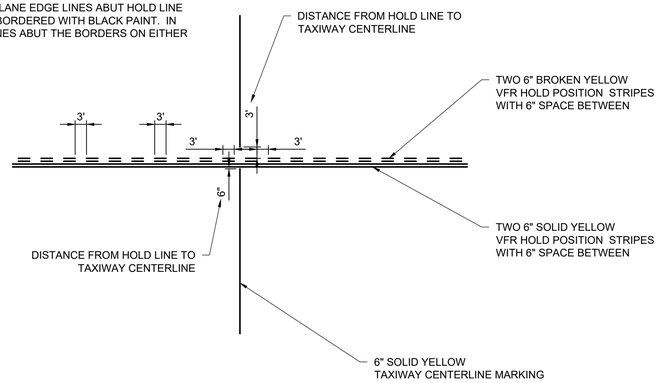
CT504

AMENDMENT NO. 0002

NOTES:
1. ALL PERPENDICULAR YELLOW VFR HOLD LINE STRIPES, BOTH SOLID AND BROKEN, ARE 6" OR 12" WIDE, AND EXTEND TO TAXILANE EDGE. THE SELECTED WIDTH MUST BE UNIFORM FOR ALL VFR HOLDING POSITION MARKINGS PLACED ON THE AIRFIELD.

2. TAXIWAY OR TAXILANE CENTERLINE STRIPE IS INTERRUPTED 6" PRIOR TO HOLD LINE. THE GAP IN CENTERLINE CONTINUES TO 3' FROM THE OUTER DASHED LINE.

3. TAXIWAY OR TAXILANE EDGE LINES ABUT HOLD LINE MARKINGS UNLESS BORDERED WITH BLACK PAINT. IN THIS CASE, EDGE LINES ABUT THE BORDERS ON EITHER SIDE OF THE LINE.



J2 VFR HOLD POSITION MARKINGS
SCALE: N.T.S.

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY: W. CHAFFIN	ISSUE DATE: JULY 2026
DRAWN BY: S. TURNER	SOLICITATION NO.: -
CHECKED BY: J. LONG	CONTRACT NO.: -
SUBMITTED BY: J. O'DONNELL	PROJECT NUMBER: MH172004
SIZE:	MHY25004.CT505

U.S. ARMY CORPS OF ENGINEERS
MOBILE DISTRICT
100 CANAL STREET
MOBILE, ALABAMA

FORT RUCKER
REHABILITATE HELIPADS
AT CAIRNS FIELD

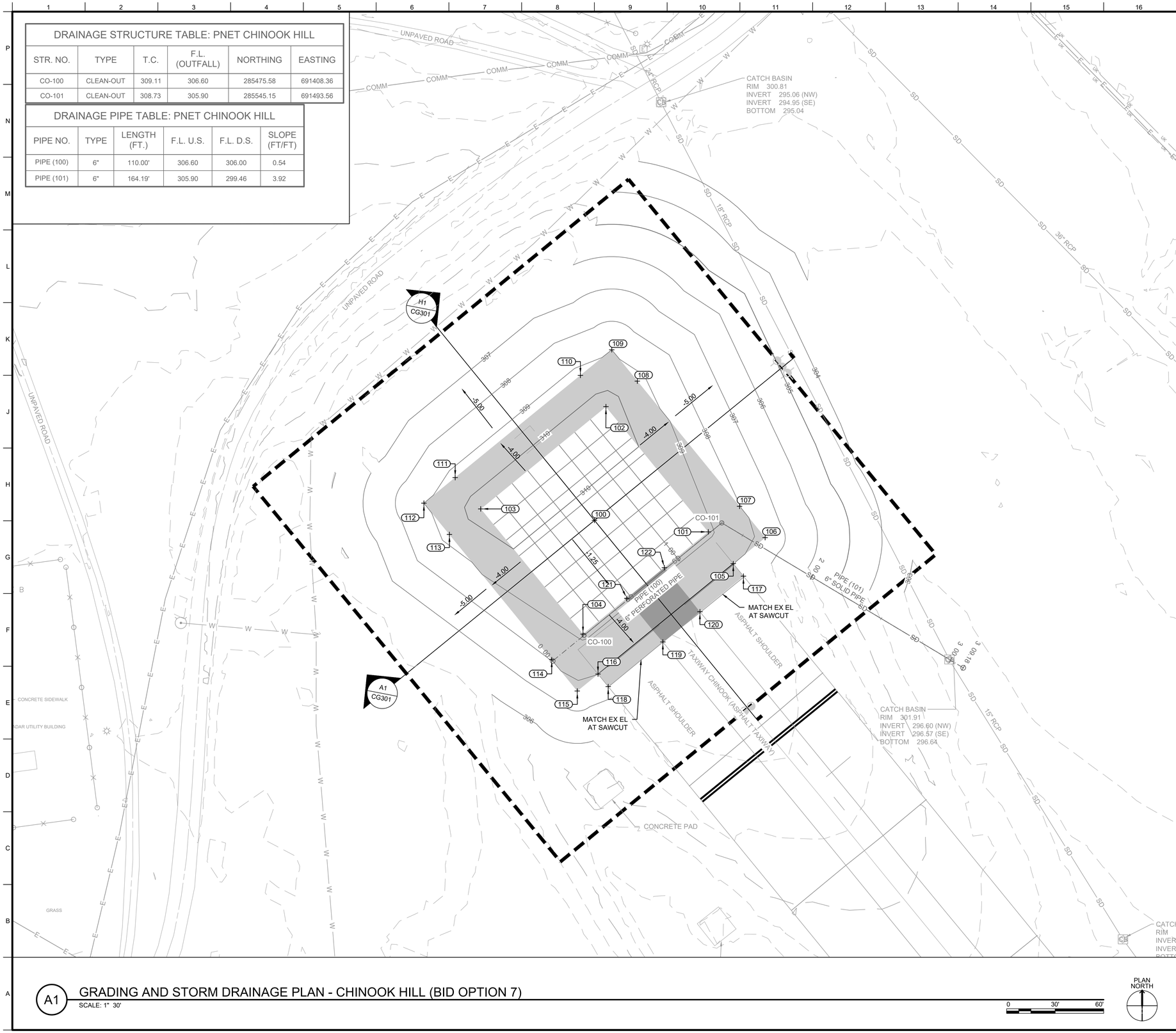
CIVIL DETAILS

SHEET ID

CT505

DRAINAGE STRUCTURE TABLE: PNET CHINOOK HILL					
STR. NO.	TYPE	T.C.	F.L. (OUTFALL)	NORTHING	EASTING
CO-100	CLEAN-OUT	309.11	306.60	285475.58	691408.36
CO-101	CLEAN-OUT	308.73	305.90	285545.15	691493.56

DRAINAGE PIPE TABLE: PNET CHINOOK HILL					
PIPE NO.	TYPE	LENGTH (FT.)	F.L. U.S.	F.L. D.S.	SLOPE (FT/FT)
PIPE (100)	6"	110.00'	306.60	306.00	0.54
PIPE (101)	6"	164.19'	305.90	299.46	3.92



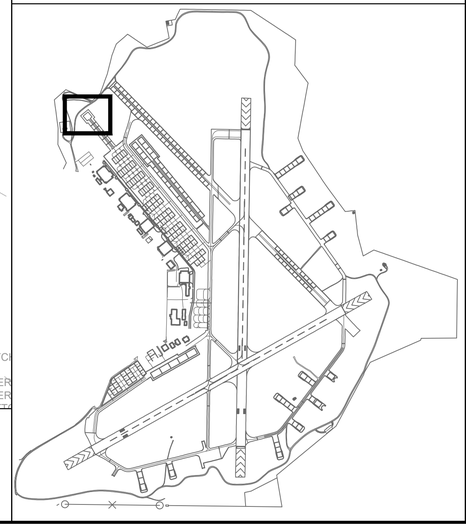
GENERAL SHEET NOTES

1. SEE C-001 FOR LOCATION AND VICINITY MAP.
2. SEE C-002 FOR ABBREVIATIONS.
3. SEE C-003 FOR PROJECT LEGEND.
4. SEE C-004 FOR PROJECT NOTES.
5. ALL UTILITIES SHOWN ARE FOR INFORMATION PURPOSES ONLY. ACTUAL LOCATION OF UTILITIES SHALL BE FIELD VERIFIED BEFORE CONSTRUCTION.
6. ALL EXISTING GRASSED AREAS DISTURBED DURING CONSTRUCTION SHALL BE HYDROSEEDED IN ACCORDANCE WITH SPECIFICATIONS 32 92 19.
7. PAVEMENT MARKINGS NOT SHOWN FOR CLARITY. SEE VF, CD, AND CP SHEETS.
8. SEE SHEETS CG201 TO CG206 FOR PROPOSED STORM DRAIN PROFILES.
9. SEE SHEETS CG301 TO CG309 FOR HELIPAD CROSS SECTIONS.
10. SEE CG SHEETS FOR STAKING COORDINATES AND ELEVATIONS

POINT TABLE

N .	NORTHING	EASTING	ELEVATION	DESCRIPTION
100	285546.706	691414.828	309.78	CNTR HPAD
101	285539.602	691485.181	309.15	PCC HPAD
102	285617.059	691421.932	310.40	PCC HPAD
103	285553.810	691344.475	310.40	PCC HPAD
104	285476.353	691407.724	309.15	PCC HPAD
105	285519.959	691500.651	308.15	HMA SHLD
106	285536.050	691520.357	307.74	HMA SHLD
107	285555.414	691504.545	308.15	HMA SHLD
108	285632.871	691441.296	309.40	HMA SHLD
109	285652.236	691425.484	309.00	HMA SHLD
110	285636.423	691406.120	309.40	HMA SHLD
111	285573.175	691328.663	309.40	HMA SHLD
112	285557.362	691309.298	309.00	HMA SHLD
113	285537.998	691325.111	309.40	HMA SHLD
114	285460.541	691388.359	308.15	HMA SHLD
115	285441.177	691404.171	307.74	HMA SHLD
116	285451.641	691416.986	308.01	HMA SHLD
117	285512.208	691506.970	307.53	HMA SHLD
118	285443.899	691423.316	307.26	HMA SHLD
119	285471.486	691457.099	307.92	HMA SHLD
120	285490.213	691480.034	307.93	HMA SHLD
121	285498.481	691434.822	309.15	PCC HPAD
122	285517.456	691458.059	309.15	PCC HPAD

KEY MAP CAIRNS AAF



A1 GRADING AND STORM DRAINAGE PLAN - CHINOOK HILL (BID OPTION 7)
SCALE: 1" 30'

0 30' 60'

PLAN NORTH

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY: W. CHAFFIN
DRAWN BY: K. KIRBY
CHECKED BY: J. LONG
SUBMITTED BY: J. O'DONNELL
SIZE:
ISSUE DATE: JULY 2026
SOLICITATION NO.: -
CONTRACT NO.: -
PROJECT NUMBER: MH125004
MHX25004_CG101

U.S. ARMY CORPS OF ENGINEERS
MOBILE DISTRICT
100 CANAL STREET
MOBILE, ALABAMA

FORT RUCKER
REHABILITATE HELIPADS
AT CAIRNS FIELD

BID OPTION 7
GRADING AND STORM DRAINAG
PLAN

SHEET ID
CG101

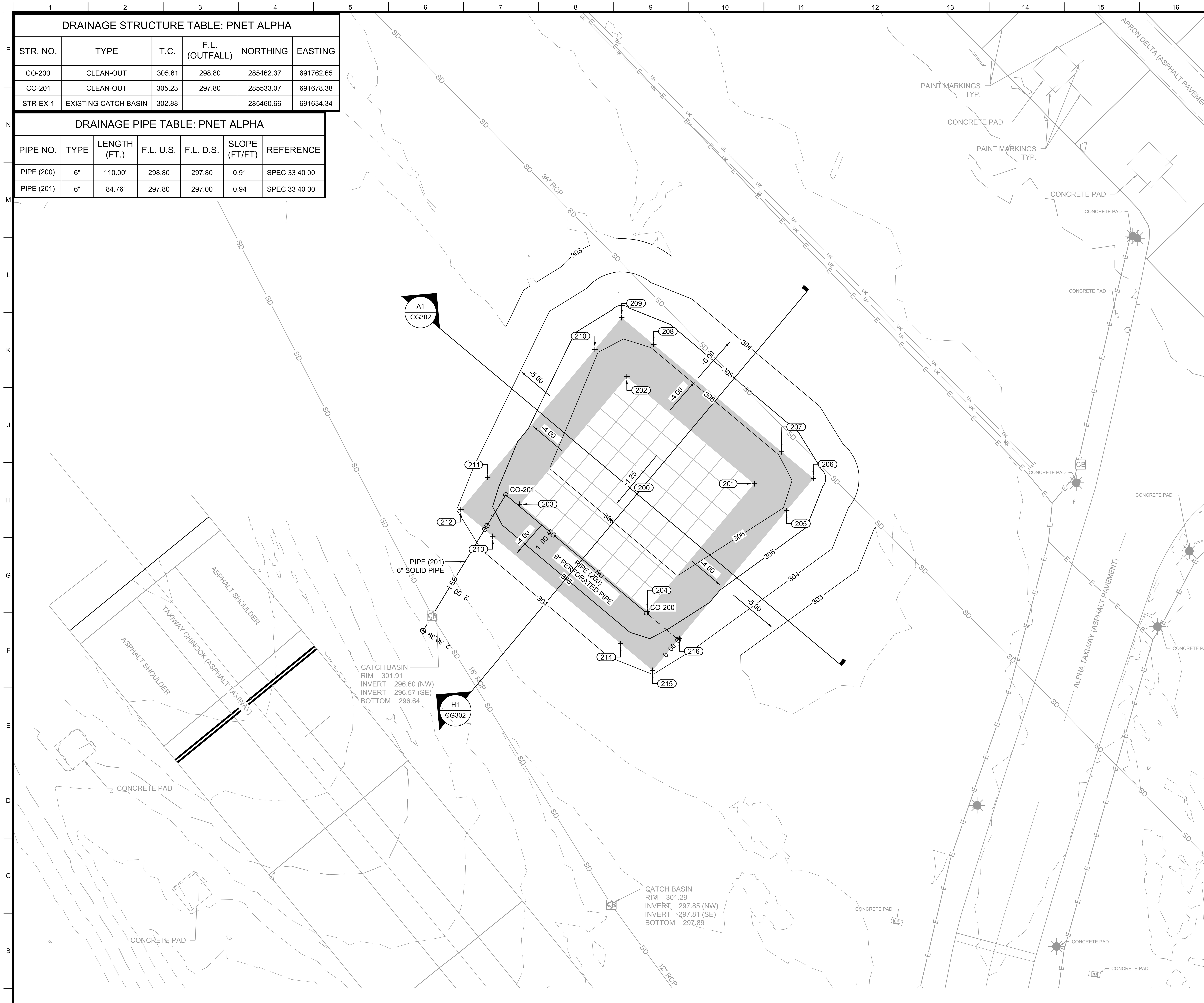
AMENDMENT NO. 0002

DRAINAGE STRUCTURE TABLE: PNET ALPHA

STR. NO.	TYPE	T.C.	F.L. (OUTFALL)	NORTHING	EASTING
CO-200	CLEAN-OUT	305.61	298.80	285462.37	691762.65
CO-201	CLEAN-OUT	305.23	297.80	285533.07	691678.38
STR-EX-1	EXISTING CATCH BASIN	302.88		285460.66	691634.34

DRAINAGE PIPE TABLE: PNET ALPHA

PIPE NO.	TYPE	LENGTH (FT.)	F.L. U.S.	F.L. D.S.	SLOPE (FT/FT)	REFERENCE
PIPE (200)	6"	110.00'	298.80	297.80	0.91	SPEC 33 40 00
PIPE (201)	6"	84.76'	297.80	297.00	0.94	SPEC 33 40 00



A1 GRADING AND STORM DRAINAGE PLAN - ALPHA (BID OPTION 1)

SCALE: 1" 30'

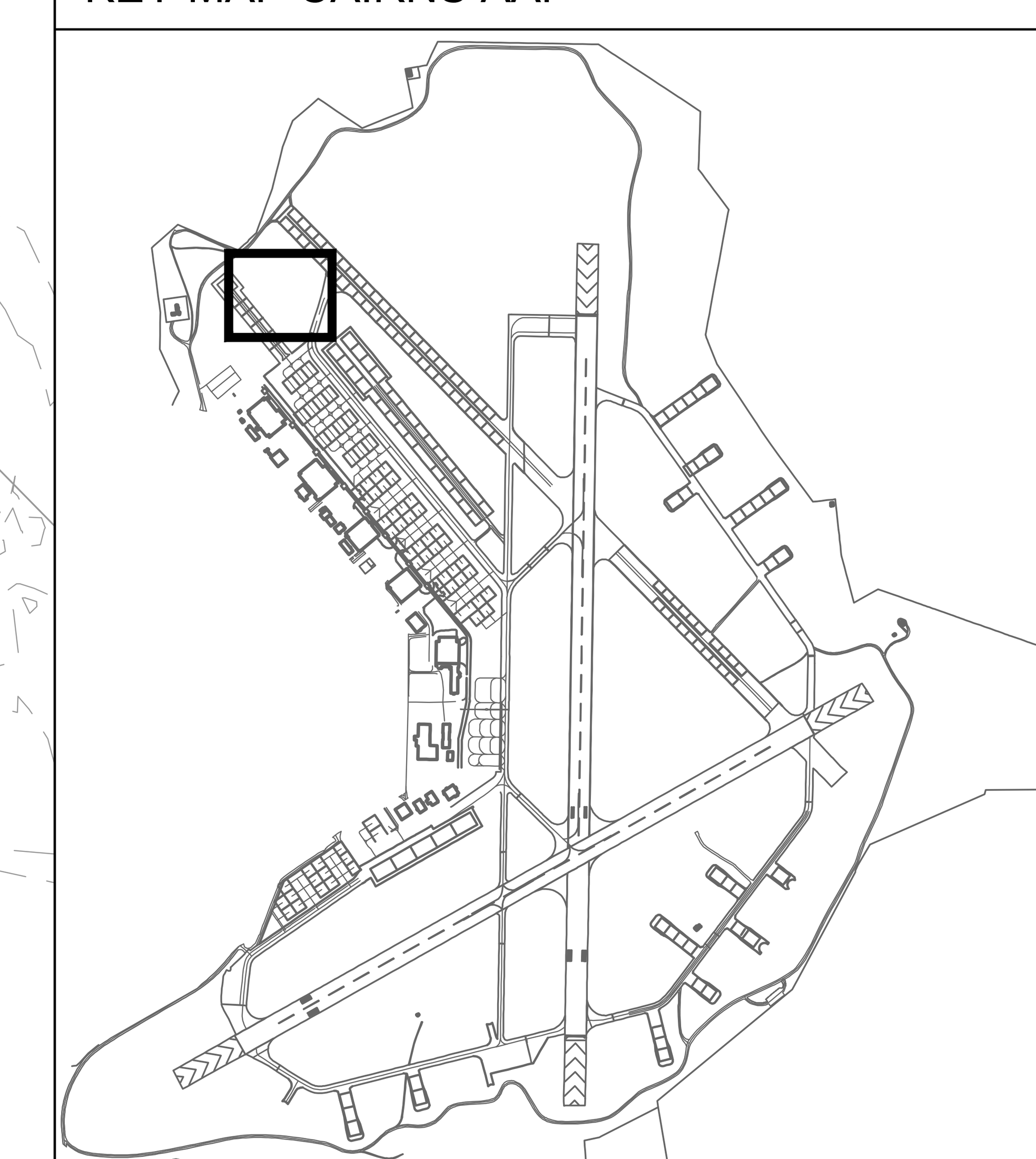
GENERAL SHEET NOTES

1. SEE C-001 FOR LOCATION AND VICINITY MAP.
2. SEE C-002 FOR ABBREVIATIONS.
3. SEE C-003 FOR PROJECT LEGEND.
4. SEE C-004 FOR PROJECT NOTES.
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8. SEE SHEETS CG201 TO CG206 FOR PROPOSED STORM DRAIN PROFILES.
9. SEE SHEETS CG301 TO CG309 FOR HELIPAD CROSS SECTIONS.
10. SEE CG SHEETS FOR STAKING COORDINATES AND ELEVATIONS

POINT TABLE

N .	NORTHING	EASTING	ELEVATION	DESCRIPTION
200	285533.576	691757.129	305.77	CNTR HPAD ALPHA
201	285539.741	691827.571	306.40	HPAD ALPHA
202	285604.018	691750.965	306.40	HPAD ALPHA
203	285527.412	691686.688	305.15	HPAD ALPHA
204	285463.135	691763.294	305.15	HPAD ALPHA
205	285523.671	691846.722	305.40	SHLD ALPHA
206	285542.823	691862.792	304.99	SHLD ALPHA
207	285558.892	691843.640	305.40	SHLD ALPHA
208	285623.169	691767.034	305.40	SHLD ALPHA
209	285639.238	691747.883	304.99	SHLD ALPHA
210	285620.087	691731.814	305.40	SHLD ALPHA
211	285543.481	691667.536	304.15	SHLD ALPHA
212	285524.330	691651.467	303.74	SHLD ALPHA
213	285508.260	691670.619	304.15	SHLD ALPHA
214	285443.983	691747.224	304.15	SHLD ALPHA
215	285427.914	691766.376	303.74	SHLD ALPHA
216	285447.065	691782.445	304.15	SHLD ALPHA
217	285337.477	692020.318	303.98	HMA OVERLAY
218	285392.939	692037.295	304.21	HMA OVERLAY
219	285407.387	691990.943	304.12	HMA OVERLAY
220	285352.128	691973.320	304.02	HMA OVERLAY

KEY MAP CAIRNS AAF



US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

ISSUE DATE: JULY 2026
SOLICITATION NO.: -
CONTRACT NO.: -
PROJECT NUMBER: MHY25004

DESIGNED BY: W. CHAFFIN
DRAWN BY: K. KIRBY
CHECKED BY: J. LONG
SUBMITTED BY: J. O'DONNELL
SIZE:
MHY25004 CG102

U.S. ARMY CORPS OF ENGINEERS
MOBILE DISTRICT
100 CANAL STREET
MOBILE, ALABAMA

FORT RUCKER
REHABILITATE HELIPADS
AT CAIRNS FIELD

BID OPTION 1
GRADING AND STORM DRAINAGE
PLAN

SHEET ID
CG102

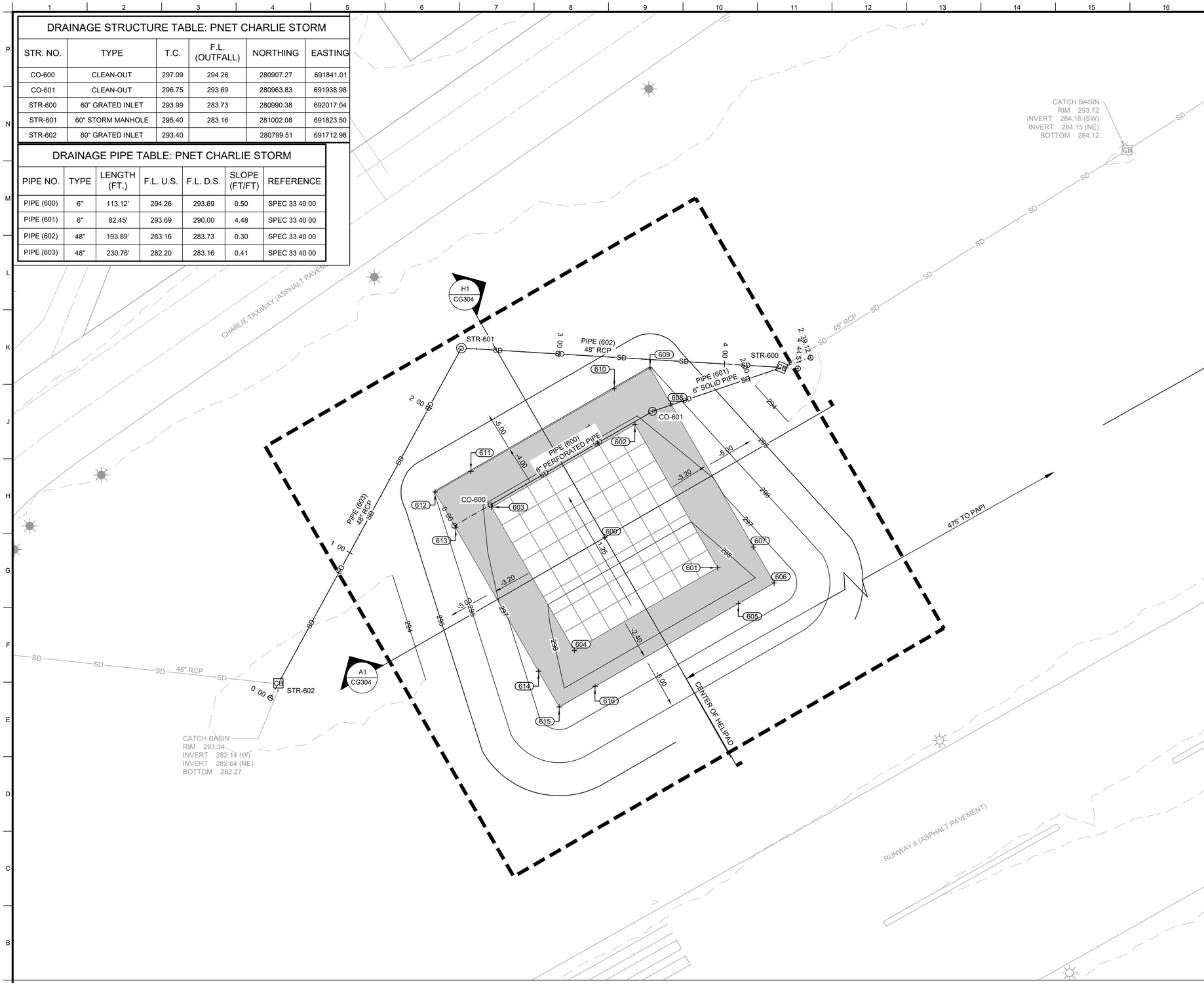
AMENDMENT NO. 0002

DRAINAGE STRUCTURE TABLE: PNET CHARLIE STORM

STR. NO.	TYPE	T.C.	F.L. (OUTFALL)	NORTHING	EASTING
CO-600	CLEAN-OUT	297.09	294.26	280907.27	691841.01
CO-601	CLEAN-OUT	296.75	293.69	280963.83	691938.98
STR-600	60" GRATED INLET	293.99	283.73	280990.38	692017.04
STR-601	60" STORM MANHOLE	295.40	283.16	281002.08	691823.50
STR-602	60" GRATED INLET	293.40		280799.51	691712.98

DRAINAGE PIPE TABLE: PNET CHARLIE STORM

PIPE NO.	TYPE	LENGTH (FT.)	F.L. U.S.	F.L. D.S.	SLOPE (FT/FT)	REFERENCE
PIPE (600)	6"	113.12'	294.26	293.69	0.50	SPEC 33 40 00
PIPE (601)	6"	82.45'	293.69	290.00	4.48	SPEC 33 40 00
PIPE (602)	48"	193.89'	283.16	283.73	0.30	SPEC 33 40 00
PIPE (603)	48"	230.76'	282.20	283.16	0.41	SPEC 33 40 00



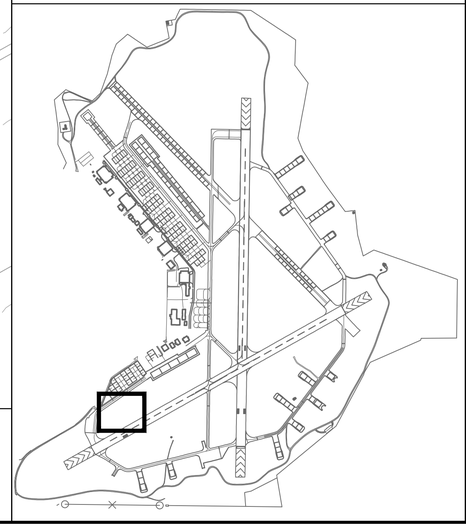
GENERAL SHEET NOTES

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10. SEE CG SHEETS FOR STAKING COORDINATES AND ELEVATIONS

POINT TABLE

N .	NORTHING	EASTING	ELEVATION	DESCRIPTION
600	280887.647	691910.145	297.78	CNTR HPAD
601	280869.367	691978.367	298.40	PCC HPAD
602	280955.970	691928.367	297.15	PCC HPAD
603	280905.970	691841.764	297.15	PCC HPAD
604	280819.367	691891.764	298.40	PCC HPAD
605	280847.716	691990.867	297.80	PCC HPAD
606	280860.216	692012.517	297.80	PCC HPAD
607	280881.867	692000.017	297.52	PCC HPAD
608	280968.470	691950.017	296.42	PCC HPAD
609	280990.120	691937.517	296.15	PCC HPAD
610	280977.620	691915.867	296.15	PCC HPAD
611	280927.620	691829.264	296.15	PCC HPAD
612	280915.120	691807.614	296.15	PCC HPAD
613	280893.470	691820.114	296.42	PCC HPAD
614	280806.867	691870.114	297.52	PCC HPAD
615	280785.216	691882.614	297.80	PCC HPAD
616	280797.716	691904.264	297.80	PCC HPAD

KEY MAP CAIRNS AAF



US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY: W. CHAFFIN
DRAWN BY: K. KIRBY
CHECKED BY: J. LONG
SUBMITTED BY: J. O'DONNELL
ISSUE DATE: JULY 2026
SOLICITATION NO.: -
CONTRACT NO.: -
PROJECT NUMBER: MHY25004
SIZE: MHY25004_CG103

U.S. ARMY CORPS OF ENGINEERS
MOBILE DISTRICT
100 CANAL STREET
MOBILE, ALABAMA

FORT RUCKER
REHABILITATE HELIPADS
AT CAIRNS FIELD

BID OPTION 2
GRADING AND STORM DRAINAGE PLAN

SHEET ID
CG103

A1 GRADING AND DRAINAGE PLAN - CHARLIE (BID OPTION 2)
SCALE: 1" 30'

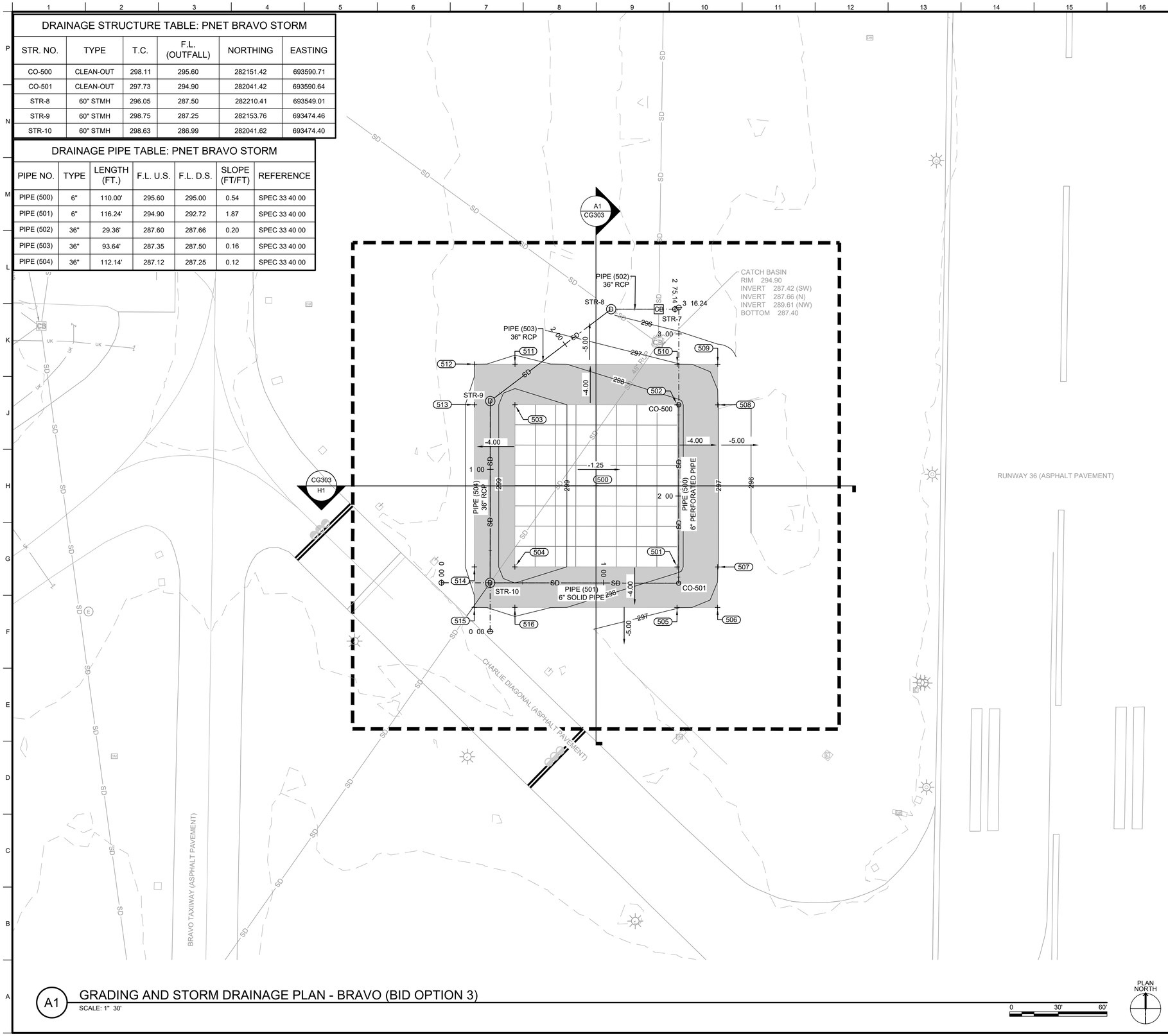
0 30' 60'

PLAN NORTH

AMENDMENT NO. 0002

DRAINAGE STRUCTURE TABLE: PNET BRAVO STORM					
STR. NO.	TYPE	T.C.	F.L. (OUTFALL)	NORTHING	EASTING
CO-500	CLEAN-OUT	298.11	295.60	282151.42	693590.71
CO-501	CLEAN-OUT	297.73	294.90	282041.42	693590.64
STR-8	60" STMH	296.05	287.50	282210.41	693549.01
STR-9	60" STMH	298.75	287.25	282153.76	693474.46
STR-10	60" STMH	298.63	286.99	282041.62	693474.40

DRAINAGE PIPE TABLE: PNET BRAVO STORM						
PIPE NO.	TYPE	LENGTH (FT.)	F.L. U.S.	F.L. D.S.	SLOPE (FT/FT)	REFERENCE
PIPE (500)	6"	110.00'	295.60	295.00	0.54	SPEC 33 40 00
PIPE (501)	6"	116.24'	294.90	292.72	1.87	SPEC 33 40 00
PIPE (502)	36"	29.36'	287.60	287.66	0.20	SPEC 33 40 00
PIPE (503)	36"	93.64'	287.35	287.50	0.16	SPEC 33 40 00
PIPE (504)	36"	112.14'	287.12	287.25	0.12	SPEC 33 40 00

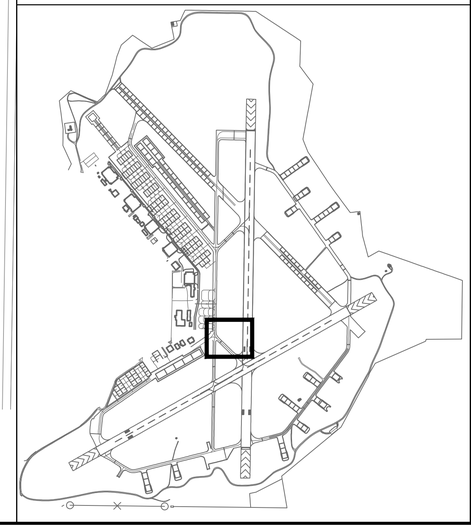


GENERAL SHEET NOTES

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9. SEE SHEETS CG301 TO CG309 FOR HELIPAD CROSS SECTIONS.
10. SEE CG SHEETS FOR STAKING COORDINATES AND ELEVATIONS

POINT TABLE				
N .	NORTHING	EASTING	ELEVATION	DESCRIPTION
500	282101.505	693539.737	298.77	CNTR HPAD
501	282051.420	693589.652	298.15	HPAD
502	282151.420	693589.706	298.15	HPAD
503	282151.474	693489.706	299.40	HPAD
504	282051.474	693489.652	299.40	HPAD
505	282026.420	693589.639	297.15	SHLD
506	282026.407	693614.639	296.74	SHLD
507	282051.407	693614.652	297.15	SHLD
508	282151.407	693614.706	297.15	SHLD
509	282176.407	693614.720	296.74	SHLD
510	282176.420	693589.720	297.15	SHLD
511	282176.474	693489.720	298.40	SHLD
512	282176.488	693464.720	298.00	SHLD
513	282151.488	693464.706	298.40	SHLD
514	282051.488	693464.652	298.40	SHLD
515	282026.488	693464.639	298.00	SHLD
516	282026.474	693489.639	298.40	SHLD

KEY MAP CAIRNS AAF



US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY: W. CHAFFIN
DRAWN BY: K. KIRBY
CHECKED BY: J. LONG
SUBMITTED BY: J. O'DONNELL
ISSUE DATE: JULY 2026
SOLICITATION NO.: -
CONTRACT NO.: -
PROJECT NUMBER: MHY25004
SIZE: MHY25004 CG104

U.S. ARMY CORPS OF ENGINEERS
MOBILE DISTRICT
100 CANAL STREET
MOBILE, ALABAMA

FORT RUCKER
REHABILITATE HELIPADS
AT CAIRNS FIELD

BID OPTION 3
GRADING AND STORM DRAINAGE PLAN

SHEET ID
CG104

A1 GRADING AND STORM DRAINAGE PLAN - BRAVO (BID OPTION 3)
SCALE: 1" 30'

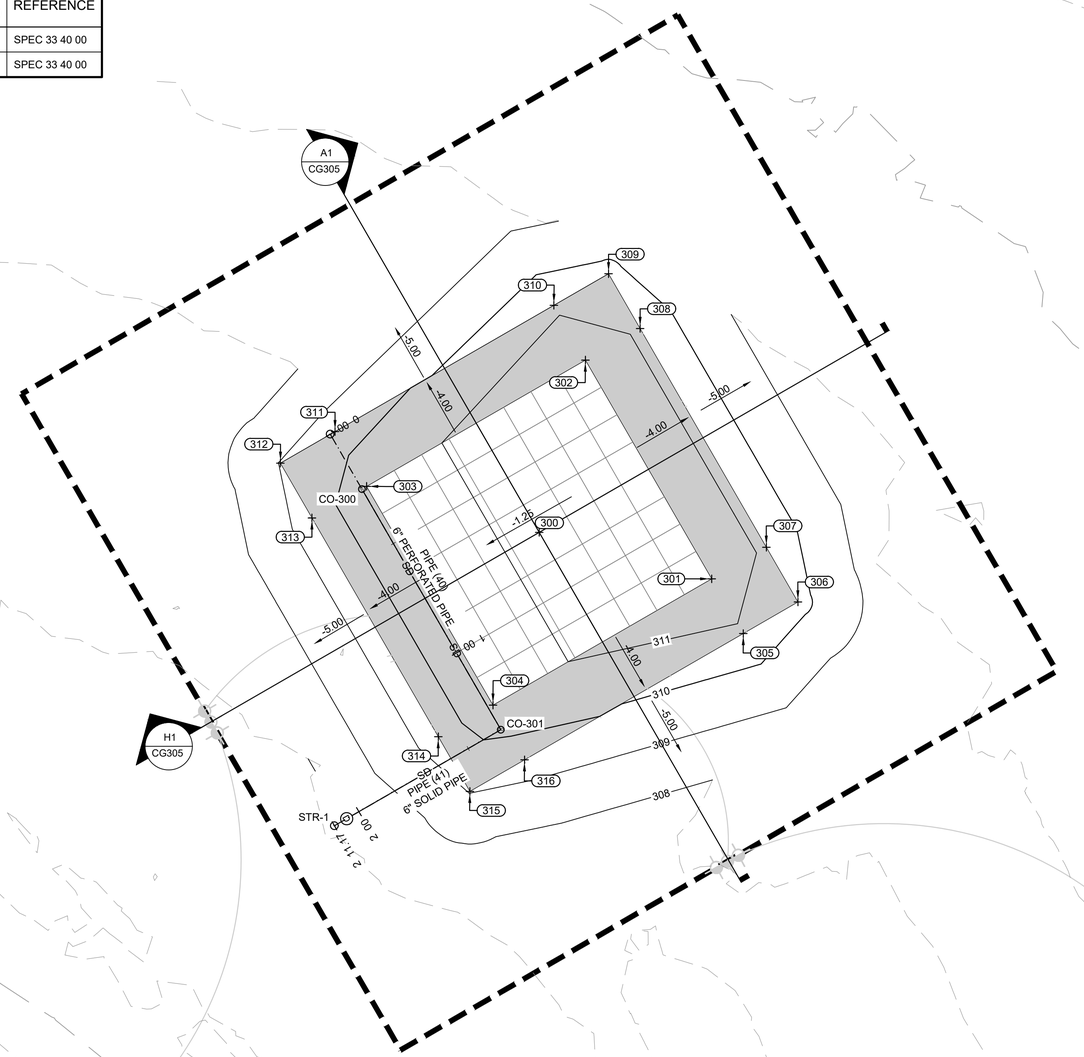
0 30' 60'

PLAN NORTH

AMENDMENT NO. 0002

DRAINAGE STRUCTURE TABLE: PNET DELTA 1 STORM					
STR. NO.	TYPE	T.C.	F.L. (OUTFALL)	NORTHING	EASTING
CO-300	CLEAN-OUT	310.48	307.97	286139.46	692472.97
CO-301	CLEAN-OUT	310.13	307.30	286044.20	692527.97
STR-1	48" STORM MANHOLE (NO BOTTOM)	307.10		286008.96	692466.94

DRAINAGE PIPE TABLE: PNET DELTA 1 STORM						
PIPE NO.	TYPE	LENGTH (FT.)	F.L. U.S.	F.L. D.S.	SLOPE (FT/FT)	REFERENCE
PIPE (40)	6"	110.00'	307.97	307.40	0.52	SPEC 33 40 00
PIPE (41)	6"	70.47'	307.30	303.60	5.24	SPEC 33 40 00

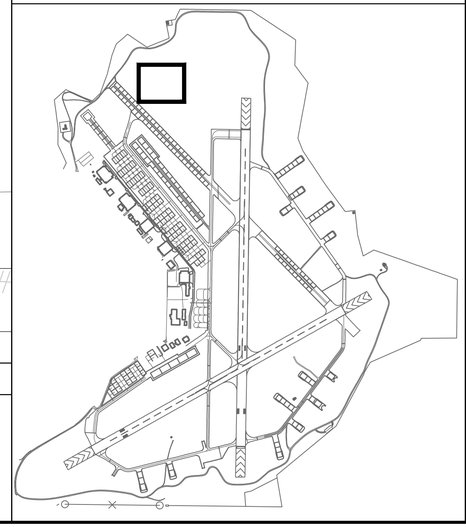


GENERAL SHEET NOTES

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10. SEE CG SHEETS FOR STAKING COORDINATES AND ELEVATIONS

POINT TABLE				
N .	NORTHING	EASTING	ELEVATION	DESCRIPTION
300	286122.321	692543.174	310.20	CNTR HPAD
301	286103.941	692611.454	310.82	HPAD
302	286190.544	692561.454	310.82	HPAD
303	286140.544	692474.852	309.57	HPAD
304	286053.941	692524.852	309.57	HPAD
305	286082.291	692623.954	309.82	SHLD
306	286094.791	692645.605	309.41	SHLD
307	286116.441	692633.105	309.82	SHLD
308	286203.044	692583.105	309.82	SHLD
309	286224.694	692570.605	309.41	SHLD
310	286212.194	692548.954	309.82	SHLD
311	286162.194	692462.352	308.57	SHLD
312	286149.694	692440.701	308.16	SHLD
313	286128.044	692453.201	308.57	SHLD
314	286041.441	692503.201	308.57	SHLD
315	286019.791	692515.701	308.16	SHLD
316	286032.291	692537.352	308.57	SHLD

KEY MAP CAIRNS AAF



A1 GRADING AND STORM DRAINAGE PLAN - DELTA 1 (BASE BID)
SCALE: 1" 30'

0 30' 60'

PLAN NORTH

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY: W. CHAFFIN
DRAWN BY: K. KIRBY
CHECKED BY: J. LONG
SUBMITTED BY: J. O'DONNELL
ISSUE DATE: JULY 2026
SOLICITATION NO.: -
CONTRACT NO.: -
PROJECT NUMBER: MH125004
SIZE: MHX25004 CG105

U.S. ARMY CORPS OF ENGINEERS
MOBILE DISTRICT
100 CANAL STREET
MOBILE, ALABAMA

FORT RUCKER
REHABILITATE HELIPADS
AT CAIRNS FIELD

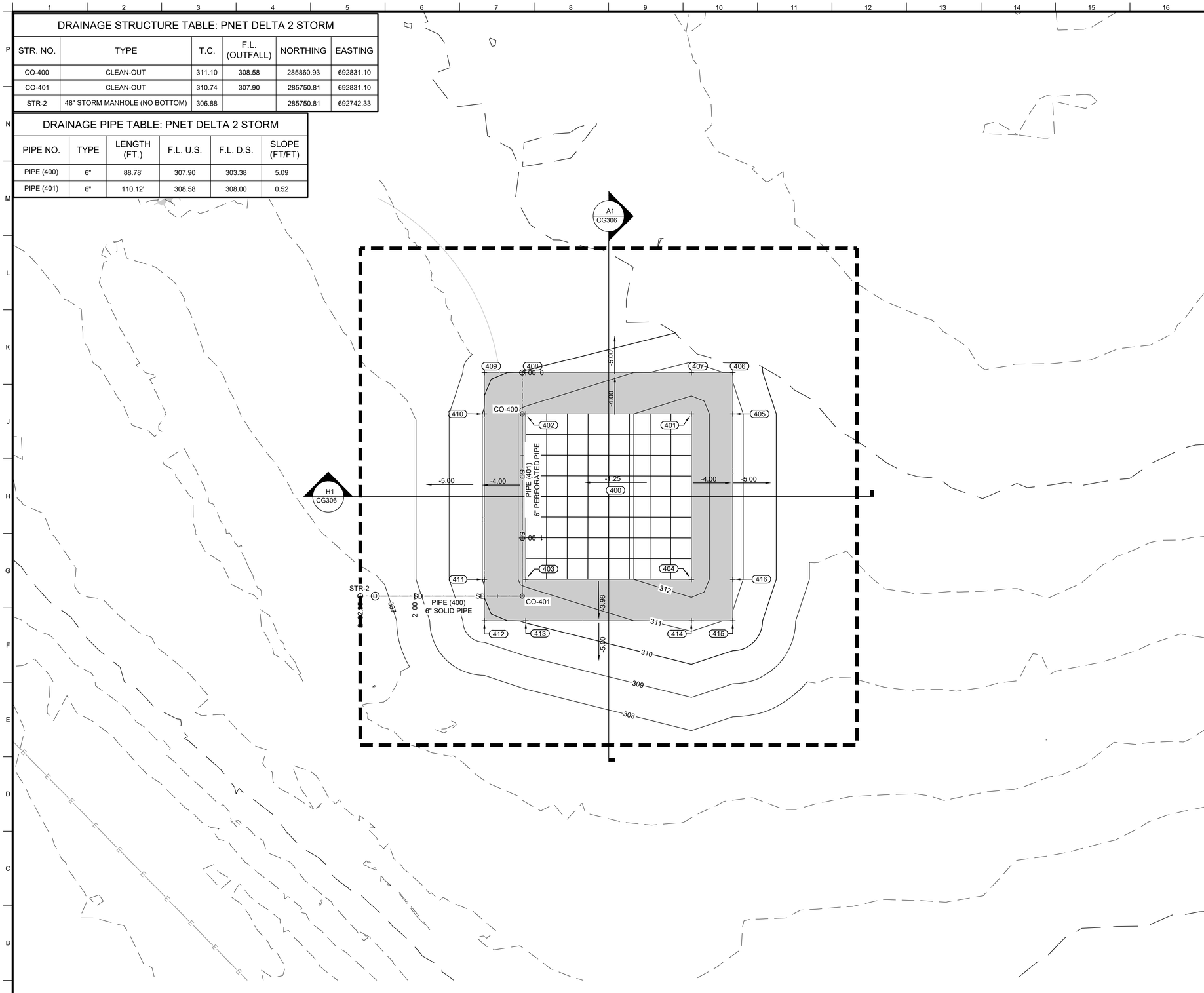
BASE BID
GRADING AND STORM DRAINAGE PLAN

SHEET ID
CG105

AMENDMENT NO. 0002

DRAINAGE STRUCTURE TABLE: PNET DELTA 2 STORM					
STR. NO.	TYPE	T.C.	F.L. (OUTFALL)	NORTHING	EASTING
CO-400	CLEAN-OUT	311.10	308.58	285860.93	692831.10
CO-401	CLEAN-OUT	310.74	307.90	285750.81	692831.10
STR-2	48" STORM MANHOLE (NO BOTTOM)	306.88		285750.81	692742.33

DRAINAGE PIPE TABLE: PNET DELTA 2 STORM					
PIPE NO.	TYPE	LENGTH (FT.)	F.L. U.S.	F.L. D.S.	SLOPE (FT/FT)
PIPE (400)	6"	88.78'	307.90	303.38	5.09
PIPE (401)	6"	110.12'	308.58	308.00	0.52

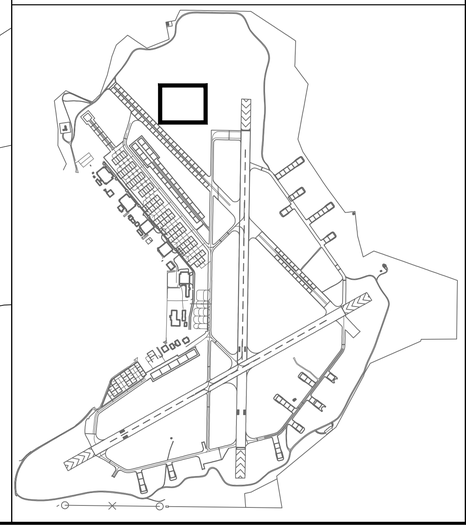


GENERAL SHEET NOTES

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POINT TABLE				
N .	NORTHING	EASTING	ELEVATION	DESCRIPTION
400	285810.986	692883.332	311.81	CNTR HPAD
401	285860.928	692933.274	312.44	HPAD
402	285860.928	692833.274	311.19	HPAD
403	285760.928	692833.274	311.19	HPAD
404	285760.928	692933.274	312.44	HPAD
405	285860.928	692958.274	311.44	SHLD
406	285885.928	692958.274	311.03	SHLD
407	285885.928	692933.274	311.44	SHLD
408	285885.928	692833.274	310.19	SHLD
409	285885.928	692808.274	309.77	SHLD
410	285860.928	692808.274	310.18	SHLD
411	285760.928	692808.274	310.18	SHLD
412	285735.928	692808.274	309.77	SHLD
413	285735.928	692833.274	310.18	SHLD
414	285735.928	692933.274	311.43	SHLD
415	285735.928	692958.274	311.02	SHLD
416	285760.928	692958.274	311.44	SHLD

KEY MAP CAIRNS AAF



A1 GRADING AND STORM DRAINAGE PLAN - DELTA 2 (BASE BID)
SCALE: 1" 30'

0 30' 60'

PLAN NORTH

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY: W. CHAFFIN
DRAWN BY: K. KIRBY
CHECKED BY: J. LONG
SUBMITTED BY: J. O'DONNELL
ISSUE DATE: JULY 2026
SOLICITATION NO.: -
CONTRACT NO.: -
PROJECT NUMBER: MH125004
SIZE: MHX25004_CG106

U.S. ARMY CORPS OF ENGINEERS
MOBILE DISTRICT
100 CANAL STREET
MOBILE, ALABAMA

FORT RUCKER
REHABILITATE HELIPADS
AT CAIRNS FIELD

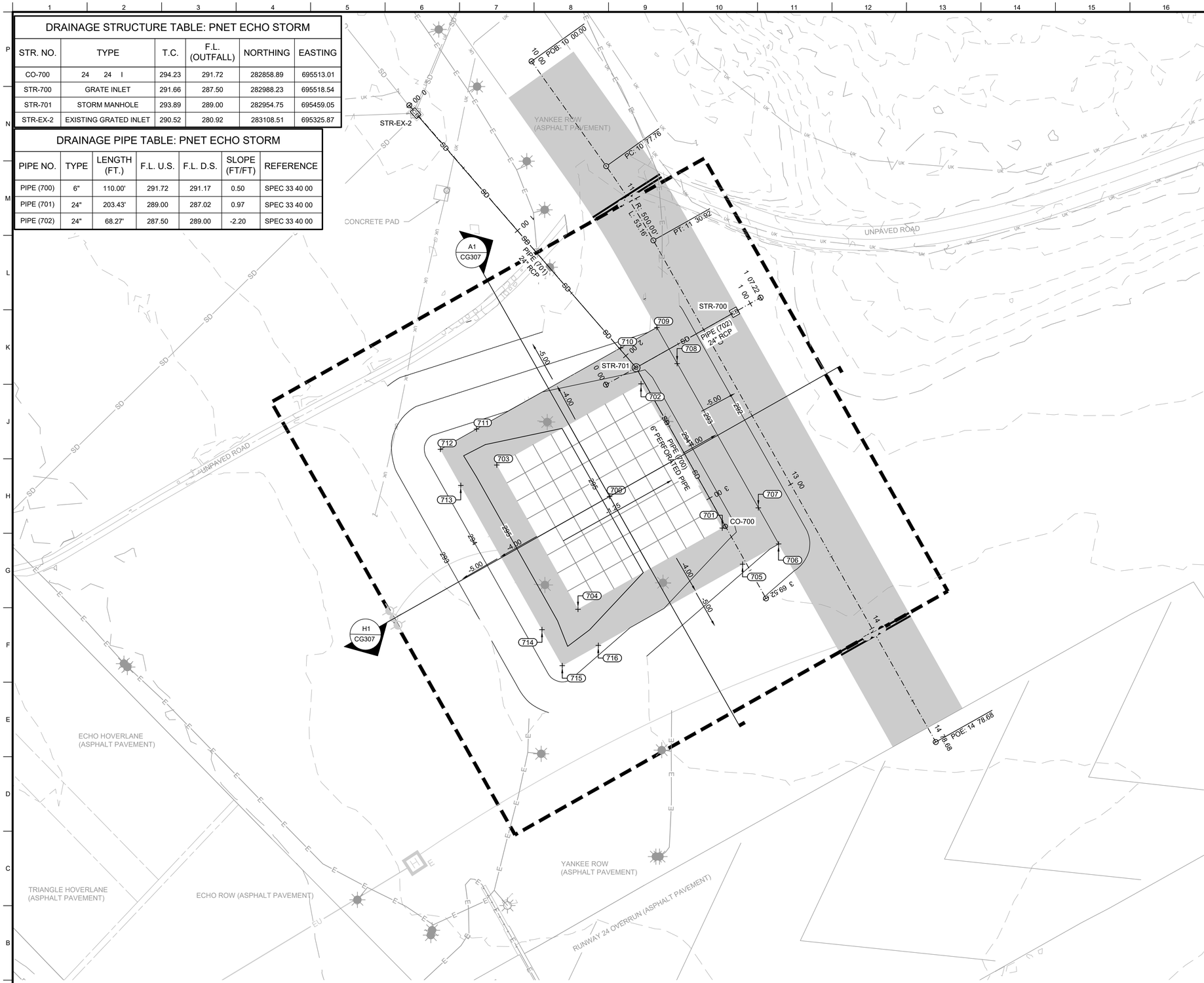
BASE BID
GRADING AND STORM DRAINAGE PLAN

SHEET ID
CG106

AMENDMENT NO. 0002

DRAINAGE STRUCTURE TABLE: PNET ECHO STORM					
STR. NO.	TYPE	T.C.	F.L. (OUTFALL)	NORTHING	EASTING
CO-700	24 24 I	294.23	291.72	282858.89	695513.01
STR-700	GRATE INLET	291.66	287.50	282988.23	695518.54
STR-701	STORM MANHOLE	293.89	289.00	282954.75	695459.05
STR-EX-2	EXISTING GRATED INLET	290.52	280.92	283108.51	695325.87

DRAINAGE PIPE TABLE: PNET ECHO STORM						
PIPE NO.	TYPE	LENGTH (FT.)	F.L. U.S.	F.L. D.S.	SLOPE (FT/FT)	REFERENCE
PIPE (700)	6"	110.00'	291.72	291.17	0.50	SPEC 33 40 00
PIPE (701)	24"	203.43'	289.00	287.02	0.97	SPEC 33 40 00
PIPE (702)	24"	68.27'	287.50	289.00	-2.20	SPEC 33 40 00



A1 GRADING AND STORM DRAINAGE PLAN - ECHO (BID OPTION 4)

SCALE: 1" 30'

0 30' 60'

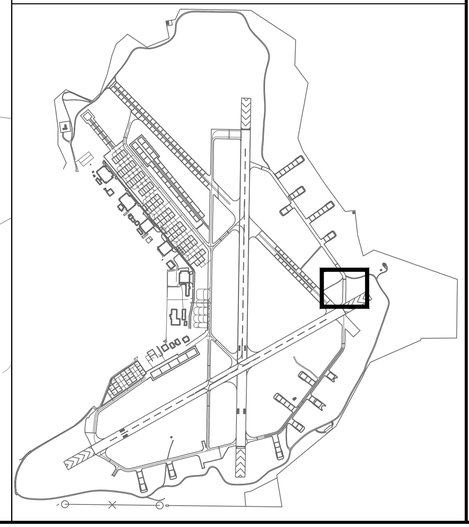
PLAN NORTH

GENERAL SHEET NOTES

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POINT TABLE				
N .	NORTHING	EASTING	ELEVATION	DESCRIPTION
700	282876.948	695443.048	294.94	CNTR HPAD
701	282857.826	695511.124	294.32	PCC HPAD
702	282944.968	695462.069	294.32	PCC HPAD
703	282895.913	695374.928	295.56	PCC HPAD
704	282808.771	695423.982	295.56	PCC HPAD
705	282836.041	695523.388	293.31	HMA SHLD
706	282848.304	695545.173	293.06	HMA SHLD
707	282870.090	695532.909	293.06	HMA SHLD
708	282957.231	695483.855	293.06	HMA SHLD
709	282979.017	695471.591	293.05	HMA SHLD
710	282966.753	695449.806	293.32	HMA SHLD
711	282917.698	695362.664	294.57	HMA SHLD
712	282905.435	695340.879	294.60	HMA SHLD
713	282883.649	695353.142	294.57	HMA SHLD
714	282796.508	695402.197	294.57	HMA SHLD
715	282774.722	695414.461	294.71	HMA SHLD
716	282786.986	695436.246	294.56	HMA SHLD

KEY MAP CAIRNS AAF



US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY: W. CHAFFIN
DRAWN BY: K. KIRBY
CHECKED BY: J. LONG
SUBMITTED BY: J. O'DONNELL
ISSUE DATE: JULY 2026
SOLICITATION NO.: -
CONTRACT NO.: -
PROJECT NUMBER: MHY25004
SIZE: MHY25004 CG107

U.S. ARMY CORPS OF ENGINEERS
MOBILE DISTRICT
100 CANAL STREET
MOBILE, ALABAMA

FORT RUCKER
REHABILITATE HELIPADS
AT CAIRNS FIELD

BID OPTION 4
GRADING AND STORM DRAINAGE
PLAN

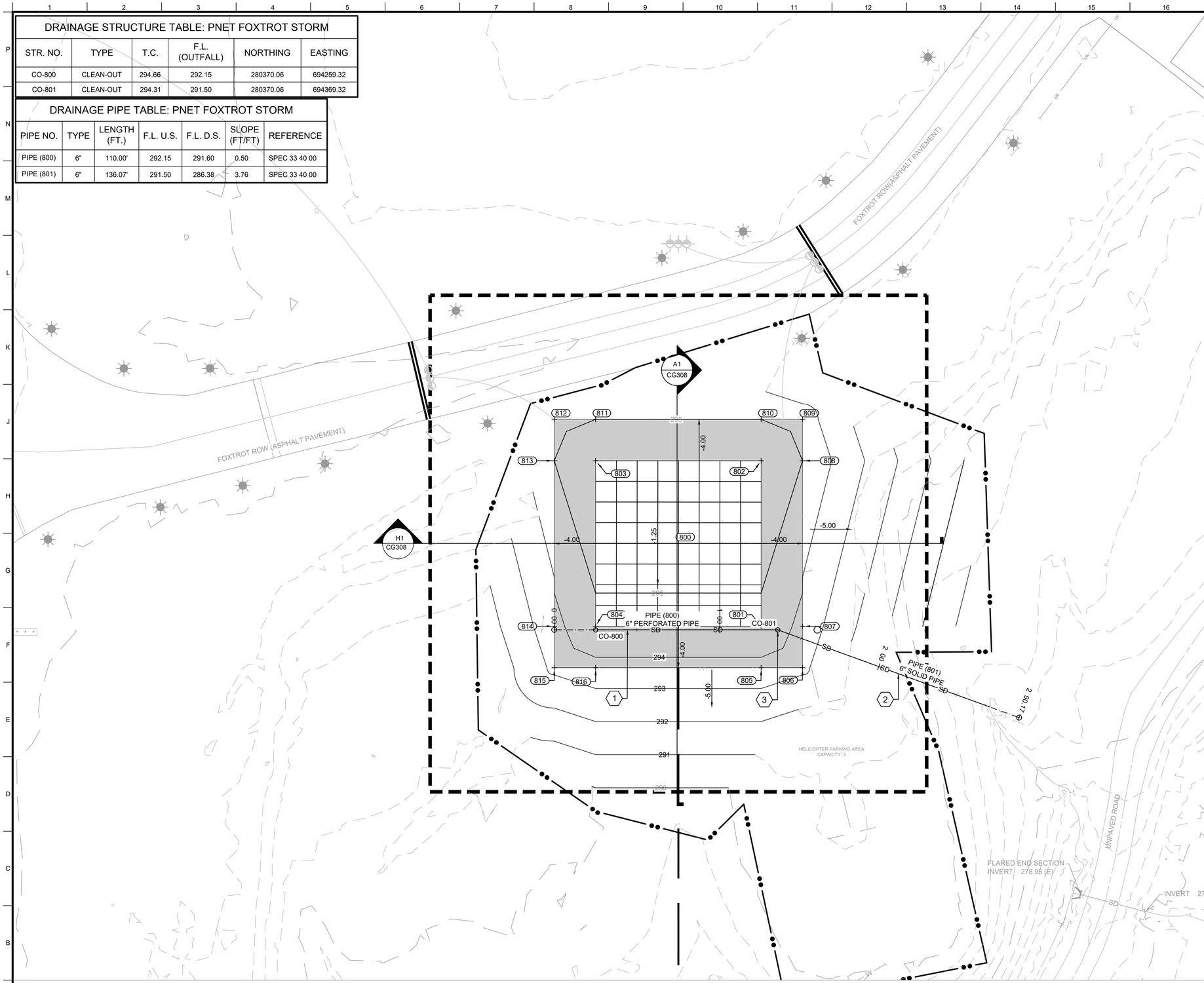
SHEET ID

CG107

AMENDMENT NO. 0002

DRAINAGE STRUCTURE TABLE: PNET FOXTROT STORM					
STR. NO.	TYPE	T.C.	F.L. (OUTFALL)	NORTHING	EASTING
CO-800	CLEAN-OUT	294.66	292.15	280370.06	694259.32
CO-801	CLEAN-OUT	294.31	291.50	280370.06	694369.32

DRAINAGE PIPE TABLE: PNET FOXTROT STORM						
PIPE NO.	TYPE	LENGTH (FT.)	F.L. U.S.	F.L. D.S.	SLOPE (FT/FT)	REFERENCE
PIPE (800)	6"	110.00'	292.15	291.60	0.50	SPEC 33 40 00
PIPE (801)	6"	136.07'	291.50	286.38	3.76	SPEC 33 40 00



A1 GRADING AND STORM DRAINAGE PLAN - FOXTROT (BID OPTION 6)

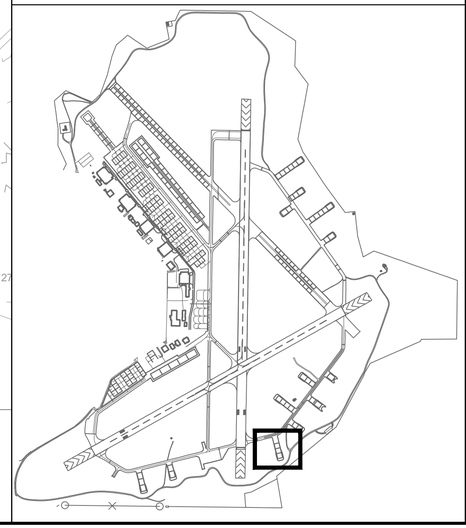
SCALE: 1" 30'

GENERAL SHEET NOTES

1. SEE C-001 FOR LOCATION AND VICINITY MAP.
2. SEE C-002 FOR ABBREVIATIONS.
3. SEE C-003 FOR PROJECT LEGEND.
4. SEE C-004 FOR PROJECT NOTES.
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6. ALL EXISTING GRASSED AREAS DISTURBED DURING CONSTRUCTION SHALL BE HYDROSEEDED IN ACCORDANCE WITH SPECIFICATIONS 32 92 19.
7. PAVEMENT MARKINGS NOT SHOWN FOR CLARITY. SEE VF, CD, AND CP SHEETS.
8. SEE SHEETS CG201 TO CG206 FOR PROPOSED STORM DRAIN PROFILES.
9. SEE SHEETS CG301 TO CG309 FOR HELIPAD CROSS SECTIONS.

POINT TABLE				
N .	NORTHING	EASTING	ELEVATION	DESCRIPTION
800	280422.288	694309.374	295.38	CNTR HPAD
801	280372.230	694359.317	294.75	PCC HPAD
802	280472.230	694359.317	296.00	PCC HPAD
803	280472.230	694259.317	296.00	PCC HPAD
804	280372.230	694259.317	294.75	PCC HPAD
805	280347.230	694359.317	293.75	HMA SHLD
806	280347.230	694384.317	293.34	HMA SHLD
807	280372.230	694384.317	293.75	HMA SHLD
808	280472.230	694384.317	295.00	HMA SHLD
809	280497.230	694384.317	294.59	HMA SHLD
810	280497.230	694359.317	295.00	HMA SHLD
811	280497.230	694259.317	295.00	HMA SHLD
812	280497.230	694234.317	294.59	HMA SHLD
813	280472.230	694234.317	295.00	HMA SHLD
814	280372.230	694234.317	293.75	HMA SHLD
815	280347.230	694234.317	293.34	HMA SHLD
816	280347.230	694259.317	293.75	HMA SHLD

KEY MAP CAIRNS AAF



US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY: W. CHAFFIN
DRAWN BY: K. KIRBY
CHECKED BY: J. LONG
SUBMITTED BY: J. O'DONNELL
ISSUE DATE: JULY 2026
SOLICITATION NO.: -
CONTRACT NO.: -
PROJECT NUMBER: MHY25004
SIZE: MHY25004_CG108

U.S. ARMY CORPS OF ENGINEERS
MOBILE DISTRICT
100 CANAL STREET
MOBILE, ALABAMA

FORT RUCKER
REHABILITATE HELIPADS
AT CAIRNS FIELD

BID OPTION 6
GRADING AND STORM DRAINAGE PLAN

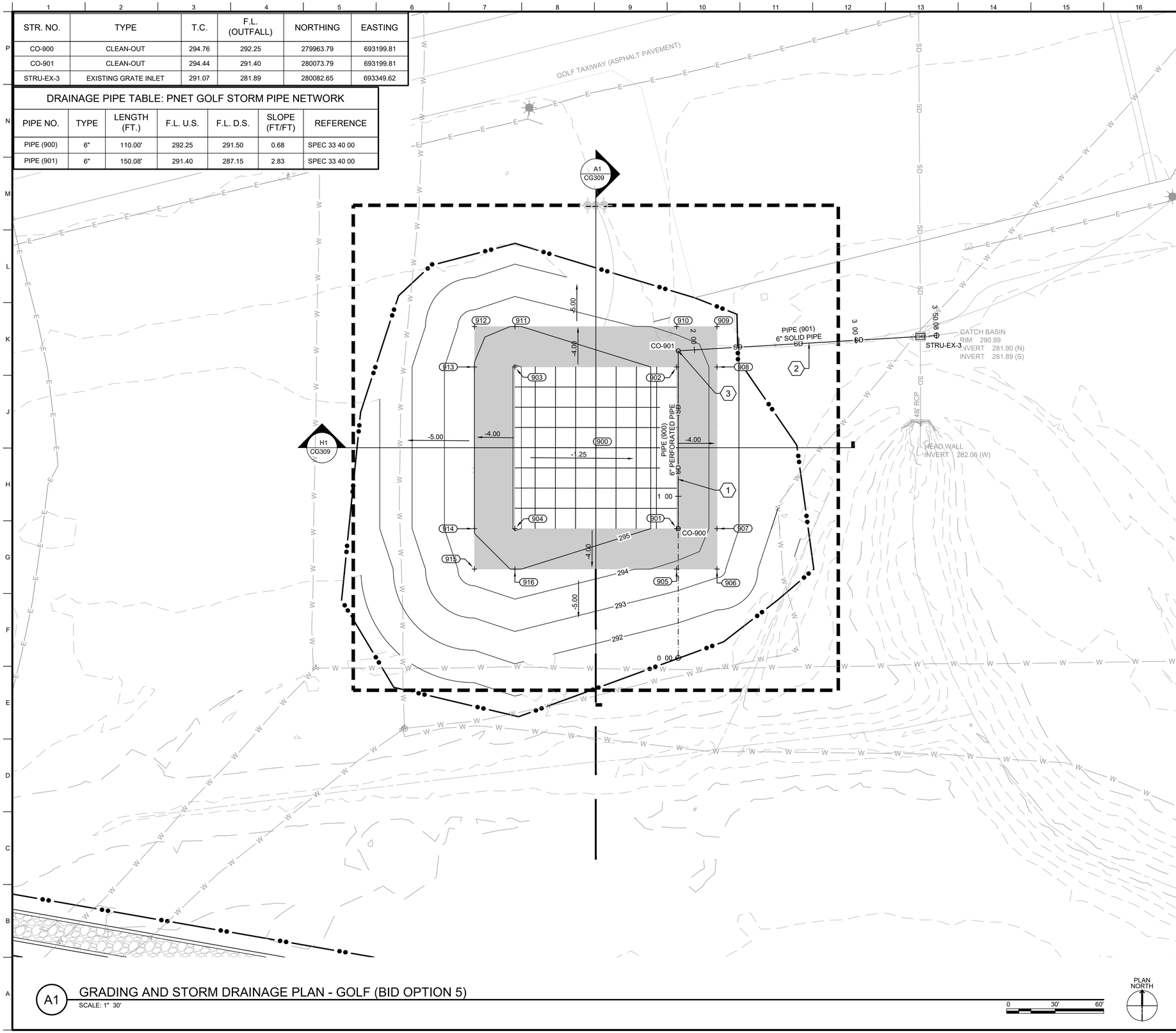
SHEET ID

CG108

STR. NO.	TYPE	T.C.	F.L. (OUTFALL)	NORTHING	EASTING
CO-900	CLEAN-OUT	294.76	292.25	279963.79	693199.81
CO-901	CLEAN-OUT	294.44	291.40	280073.79	693199.81
STRU-EX-3	EXISTING GRATE INLET	291.07	281.89	280082.65	693349.62

DRAINAGE PIPE TABLE: PNET GOLF STORM PIPE NETWORK

PIPE NO.	TYPE	LENGTH (FT.)	F.L. U.S.	F.L. D.S.	SLOPE (FT/FT)	REFERENCE
PIPE (900)	6"	110.00'	292.25	291.50	0.68	SPEC 33 40 00
PIPE (901)	6"	150.08'	291.40	287.15	2.83	SPEC 33 40 00



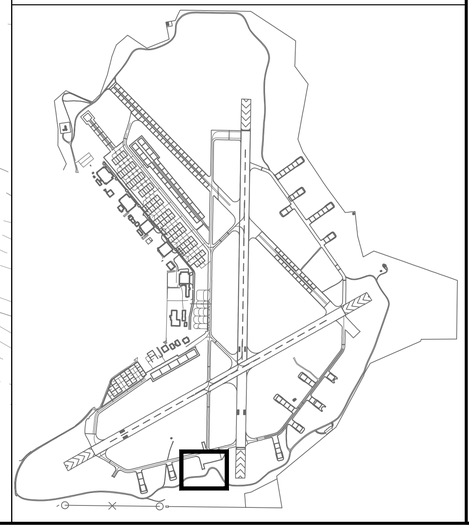
GENERAL SHEET NOTES

1. SEE C-001 FOR LOCATION AND VICINITY MAP.
2. SEE C-002 FOR ABBREVIATIONS.
3. SEE C-003 FOR PROJECT LEGEND.
4. SEE C-004 FOR PROJECT NOTES.
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7. PAVEMENT MARKINGS NOT SHOWN FOR CLARITY. SEE VF, CD, AND CP SHEETS.
8. SEE SHEETS CG201 TO CG206 FOR PROPOSED STORM DRAIN PROFILES.
9. SEE SHEETS CG301 TO CG309 FOR HELIPAD CROSS SECTIONS.

POINT TABLE

N .	NORTHING	EASTING	ELEVATION	DESCRIPTION
900	280013.846	693148.865	295.42	CNTR HPAD
901	279963.788	693198.807	294.80	PCC HPAD
902	280063.788	693198.807	294.80	PCC HPAD
903	280063.788	693098.807	296.05	PCC HPAD
904	279963.788	693098.807	296.05	PCC HPAD
905	279938.788	693198.807	293.80	HMA SHLD
906	279938.788	693223.807	293.39	HMA SHLD
907	279963.788	693223.807	293.80	HMA SHLD
908	280063.788	693223.807	293.80	HMA SHLD
909	280088.788	693223.807	293.39	HMA SHLD
910	280088.788	693198.807	293.80	HMA SHLD
911	280088.788	693098.807	295.05	HMA SHLD
912	280088.788	693073.807	294.64	HMA SHLD
913	280063.788	693073.807	295.05	HMA SHLD
914	279963.788	693073.807	295.05	HMA SHLD
915	279938.788	693073.807	294.64	HMA SHLD
916	279938.788	693098.807	295.05	HMA SHLD

KEY MAP CAIRNS AAF



A1 GRADING AND STORM DRAINAGE PLAN - GOLF (BID OPTION 5)
SCALE: 1" 30'

0 30' 60'

PLAN NORTH

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY: W. CHAFFIN
DRAWN BY: K. KIRBY
CHECKED BY: J. LONG
SUBMITTED BY: J. O'DONNELL
SIZE:
ISSUE DATE: JULY 2026
SOLICITATION NO.: -
CONTRACT NO.: -
PROJECT NUMBER: MHY25004
MHY25004_CG109

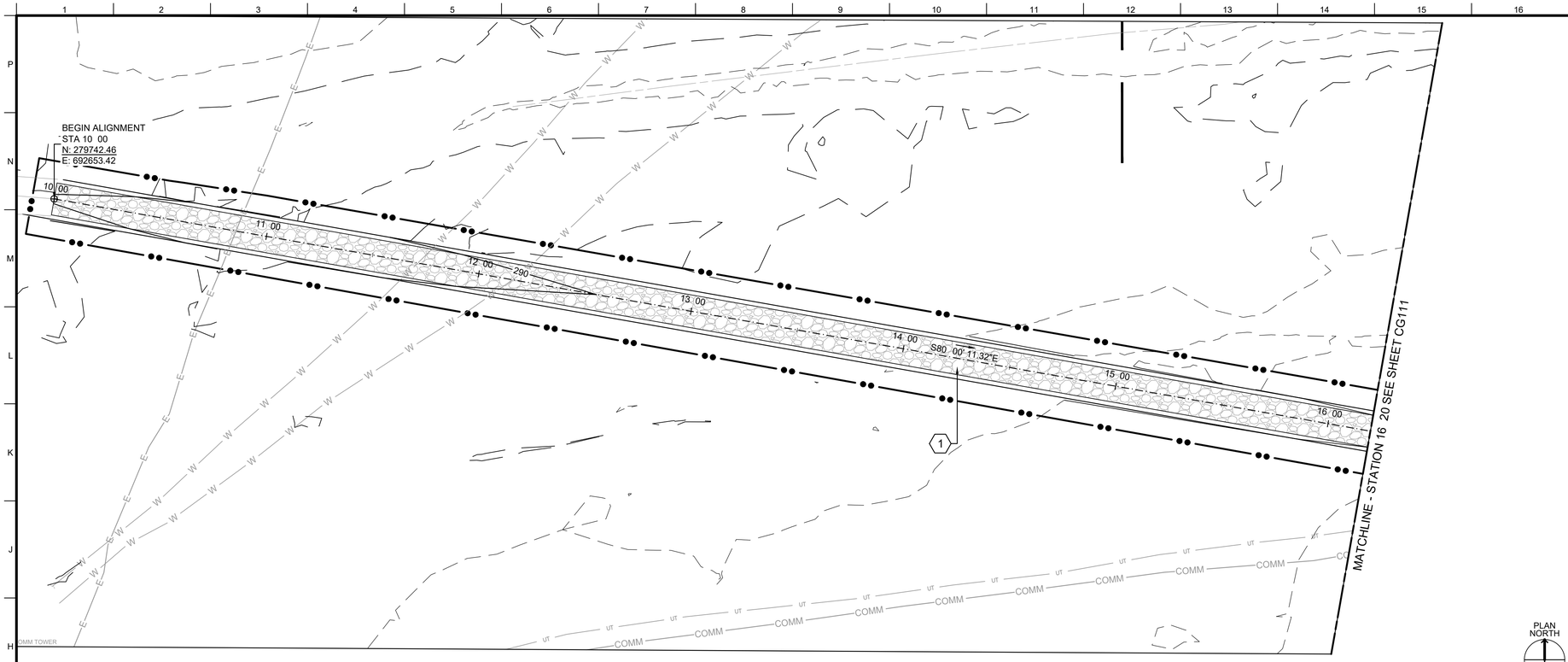
U.S. ARMY CORPS OF ENGINEERS
MOBILE DISTRICT
100 CANAL STREET
MOBILE, ALABAMA

FORT RUCKER
REHABILITATE HELIPADS
AT CAIRNS FIELD

BID OPTION 5
GRADING AND STORM DRAINAGE PLAN

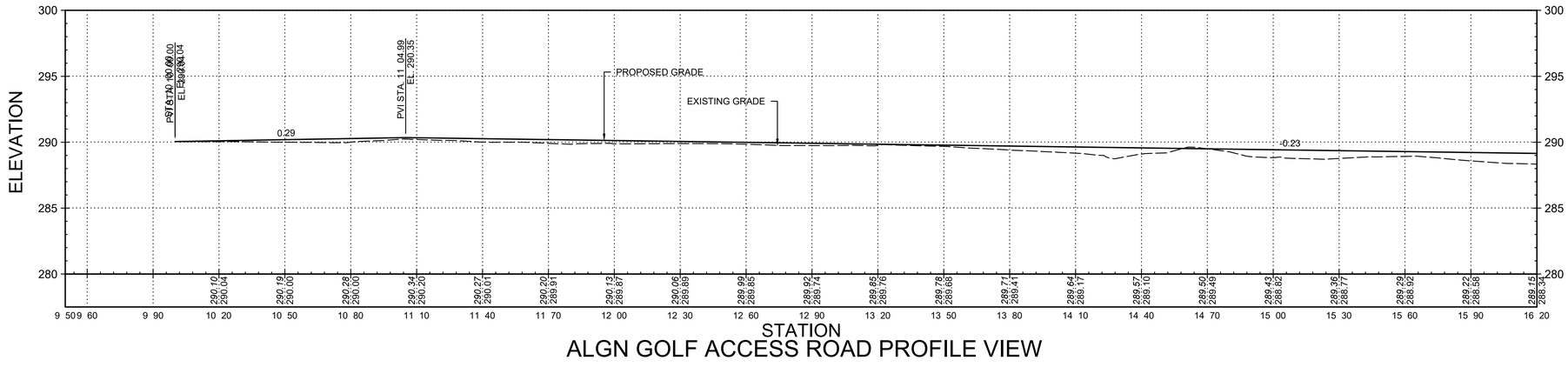
SHEET ID
CG109

AMENDMENT NO. 0002



H1 PLAN - GOLF PROPOSED ACCESS ROAD (BID OPTION 5)

SCALE: 1" 50'



A1 PROFILE - GOLF PROPOSED ACCESS ROAD W/ EXAGGERATION 10 (BID OPTION 5)

SCALE: H 1" 50' V 1" 5'

V 0 5' 10'

H 0 30' 60'

GENERAL SHEET NOTES

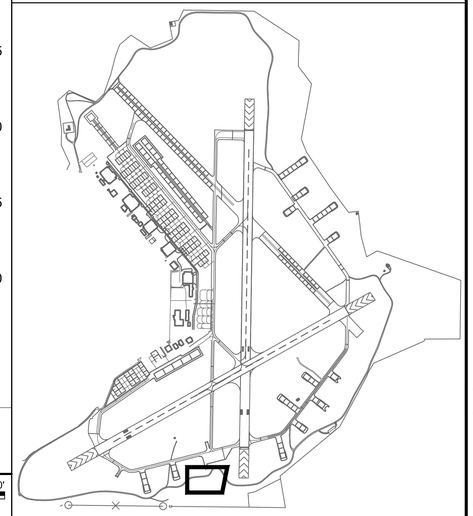
1. SEE C-001 FOR LOCATION AND VICINITY MAP.
2. SEE C-002 FOR ABBREVIATIONS.
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8. SEE SHEETS CG201 TO CG206 FOR PROPOSED STORM DRAIN PROFILES.
9. SEE SHEETS CG301 TO CG309 FOR HELIPAD CROSS SECTIONS.

SHEET KEYNOTES

1. PROPOSED GRAVEL ACCESS ROAD. SEE A16 ON SHEET CT503 FOR DETAIL.
2. EXISTING CROSSING

IF A KEYNOTE DOES NOT APPEAR ON THE DRAWING AREA OF THIS SHEET, THEN IT DOES NOT APPLY.

KEY MAP CAIRNS AAF



KEYMAP CAIRNS AAF
VIEWPORT AREA TYPICAL

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY: W. CHAFFIN
DRAWN BY: K. KIRBY
CHECKED BY: J. LONG
SUBMITTED BY: J. O'DONNELL
SIZE:
ISSUE DATE: JULY 2026
SOLICITATION NO.: -
CONTRACT NO.: -
PROJECT NUMBER: MHY25004
MHY25004 CG110

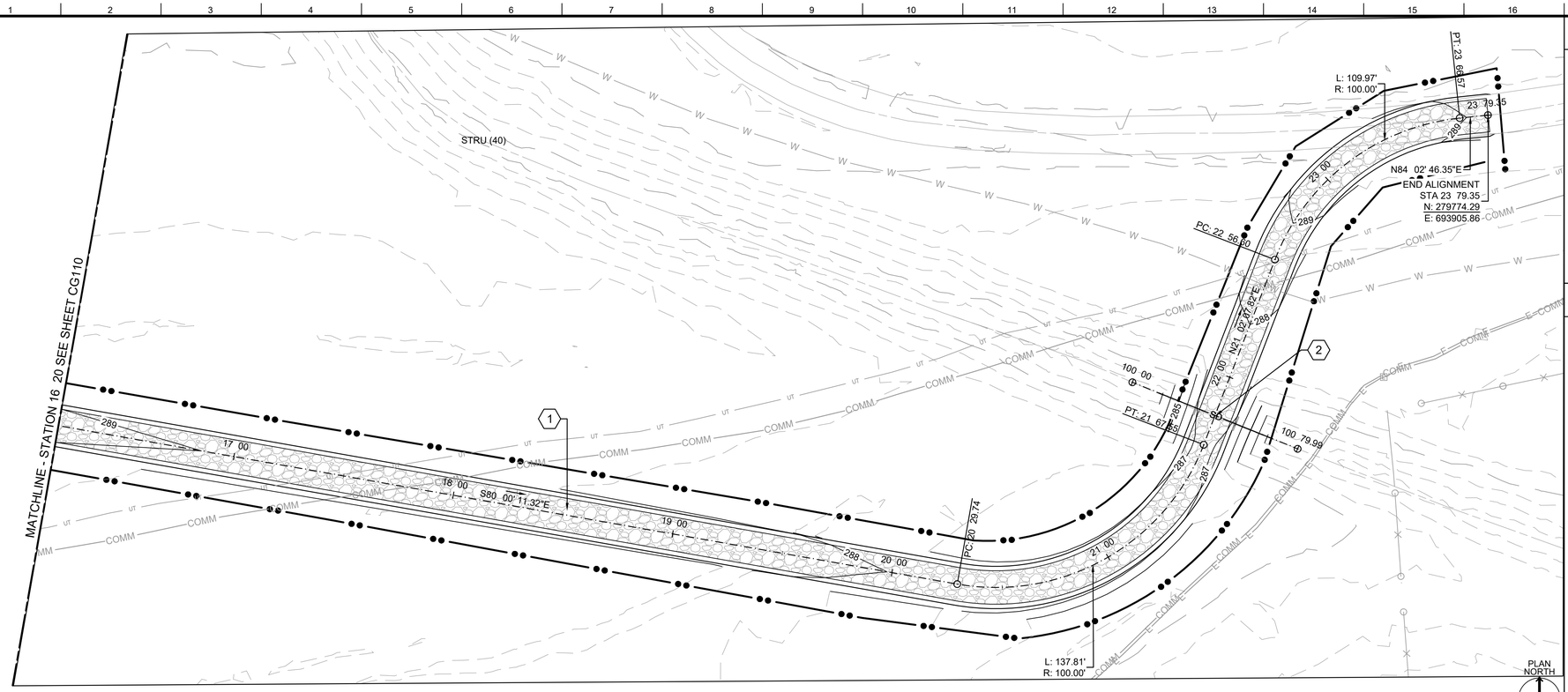
U.S. ARMY CORPS OF ENGINEERS
MOBILE DISTRICT
100 CANAL STREET
MOBILE, ALABAMA

FORT RUCKER
REHABILITATE HELIPADS
AT CAIRNS FIELD

BID OPTION 5
GRADING AND STORM DRAINAGE
PLAN AND PROFILE

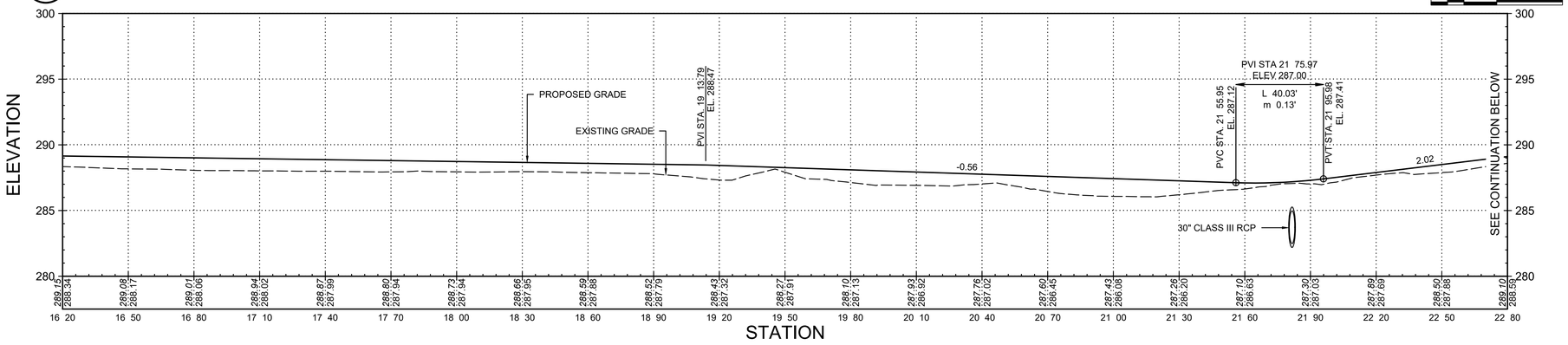
SHEET ID
CG110

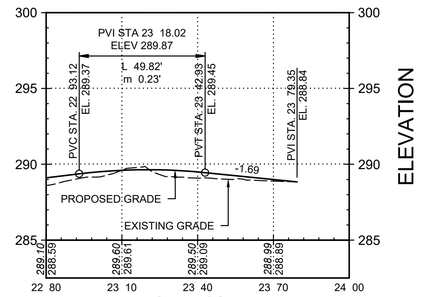
AMENDMENT NO. 0002



G1 PLAN - GOLF PROPOSED ACCESS ROAD (BID OPTION 5)

SCALE: 1" 50'





A1 PROFILE - GOLF PROPOSED ACCESS ROAD W/ EXAGGERATION 10 (BID OPTION 5)

SCALE: H 1" 50' V 1" 5'

GENERAL SHEET NOTES

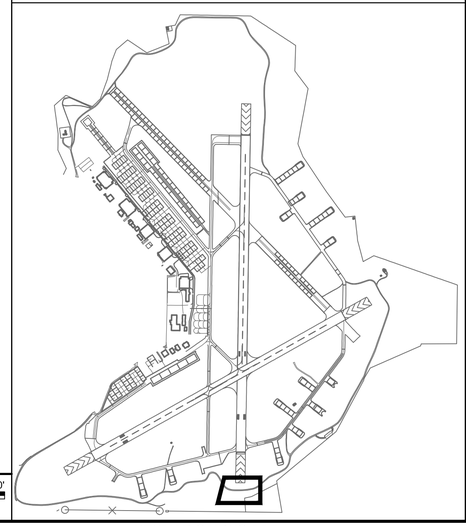
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9. SEE SHEETS CG301 TO CG309 FOR HELIPAD CROSS SECTIONS.

SHEET KEYNOTES

1. PROPOSED GRAVEL ACCESS ROAD. SEE A16 ON SHEET CT503 FOR DETAIL.
2. 30" CLASS III RCP STORM CROSSING, SEE SHEET CG206 DETAIL A11

IF A KEYNOTE DOES NOT APPEAR ON THE DRAWING AREA OF THIS SHEET, THEN IT DOES NOT APPLY.

KEY MAP CAIRNS AAF



KEYMAP CAIRNS AAF

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DESIGNED BY: W. CHAFFIN	ISSUE DATE: JULY 2026
DRAWN BY: K. KIRBY	SOLICITATION NO.: -
CHECKED BY: J. LONG	CONTRACT NO.: -
SUBMITTED BY: J. O'DONNELL	PROJECT NUMBER: MH125004
	SIZE: MHX25004 CG111

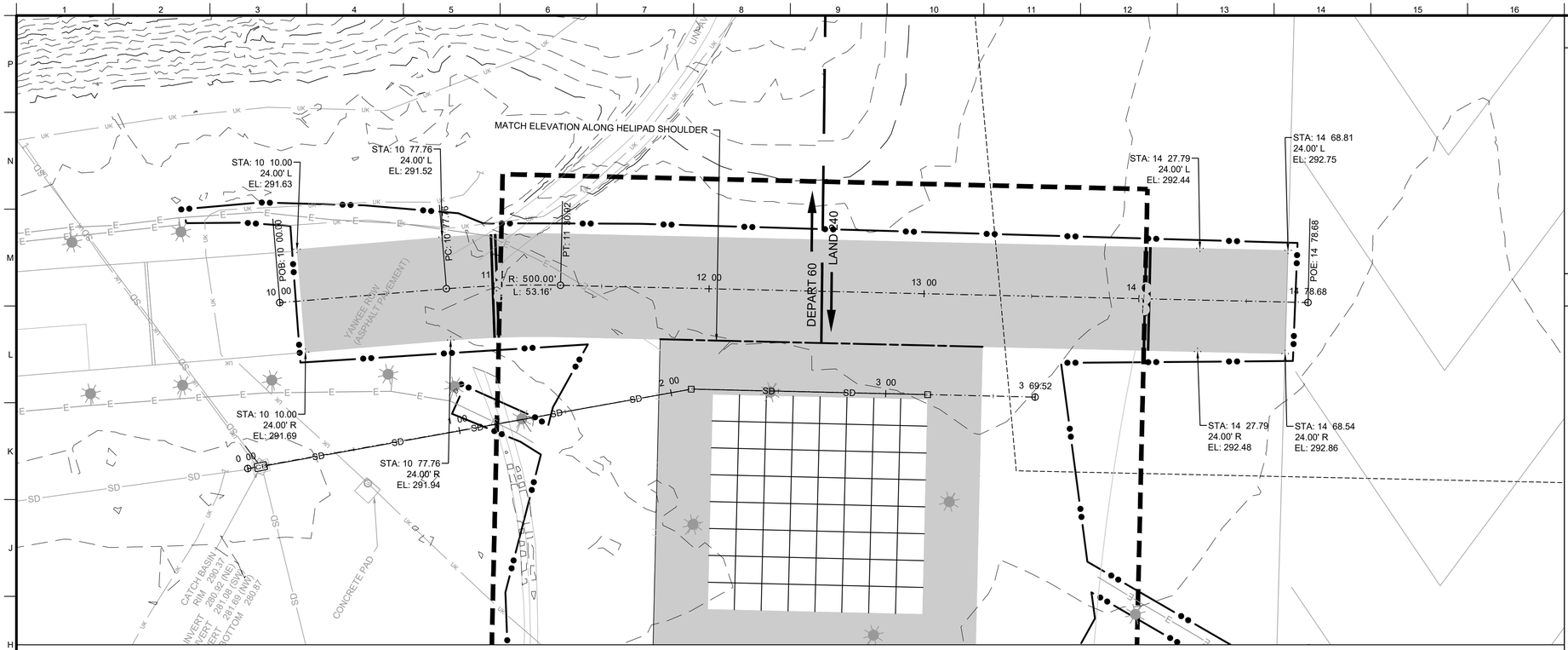
U.S. ARMY CORPS OF ENGINEERS
MOBILE DISTRICT
100 CANAL STREET
MOBILE, ALABAMA

FORT RUCKER
REHABILITATE HELIPADS
AT CAIRNS FIELD

BID OPTION 5
GRADING AND STORM DRAINAGE
PLAN AND PROFILE

SHEET ID
CG111

AMENDMENT NO. 0002

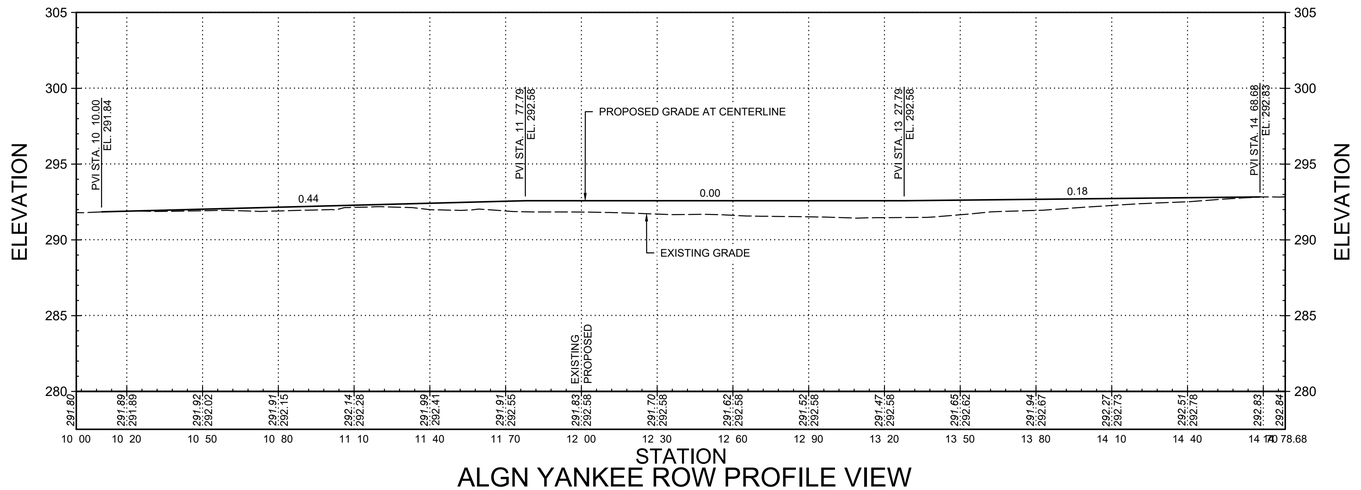


PLAN NORTH

0 50' 100'

G1 PLAN - YANKEE ROW (BID OPTION 4)

SCALE: 1" 50'



A1 PROFILE - YANKEE ROW (BID OPTION 4)

SCALE: H 1" 50' V 1" 5'

V 0 5' 10' H 0 50' 100'

GENERAL SHEET NOTES

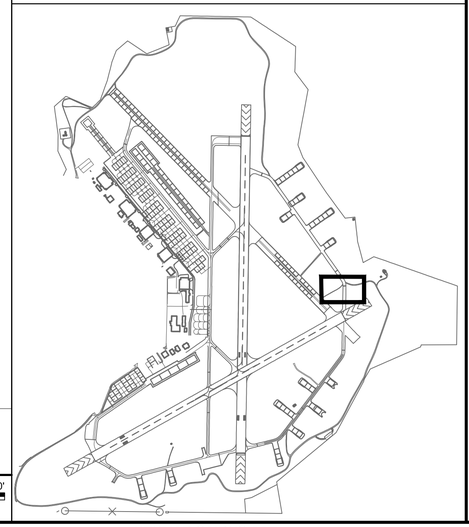
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9. SEE SHEETS CG301 TO CG309 FOR HELIPAD CROSS SECTIONS.

SHEET KEYNOTES

1. PROPOSED GRAVEL ACCESS ROAD. SEE A16 ON SHEET CT503 FOR DETAIL.
2. EXISTING CROSSING

IF A KEYNOTE DOES NOT APPEAR ON THE DRAWING AREA OF THIS SHEET, THEN IT DOES NOT APPLY.

KEY MAP CAIRNS AAF



KEYMAP CAIRNS AAF

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MARK	DESCRIPTION	DATE

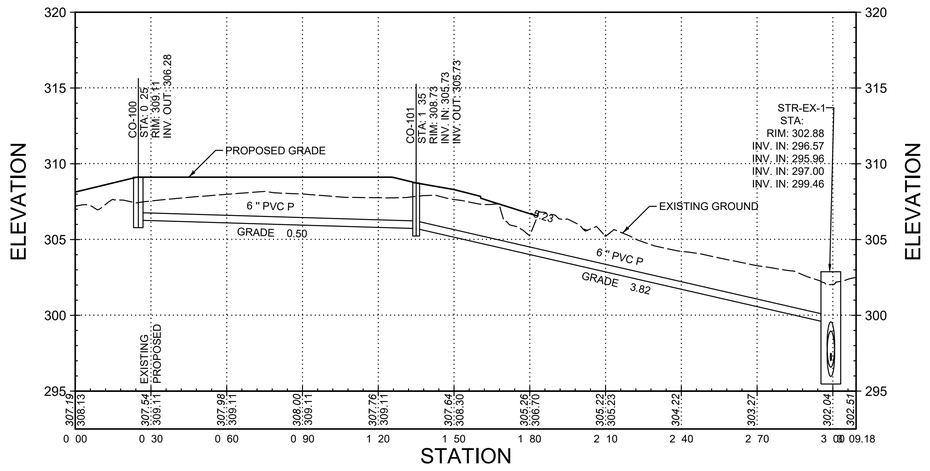
DESIGNED BY: W. CHAFFIN
DRAWN BY: K. KIRBY
CHECKED BY: J. LONG
SUBMITTED BY: J. O'DONNELL
ISSUE DATE: JULY 2026
SOLICITATION NO.: -
CONTRACT NO.: -
PROJECT NUMBER: MHY25004
SIZE: MHY25004 CG112

U.S. ARMY CORPS OF ENGINEERS
MOBILE DISTRICT
100 CANAL STREET
MOBILE, ALABAMA

FORT RUCKER
REHABILITATE HELIPADS
AT CAIRNS FIELD

BID OPTION 5
GRADING AND STORM DRAINAGE
PLAN AND PROFILE

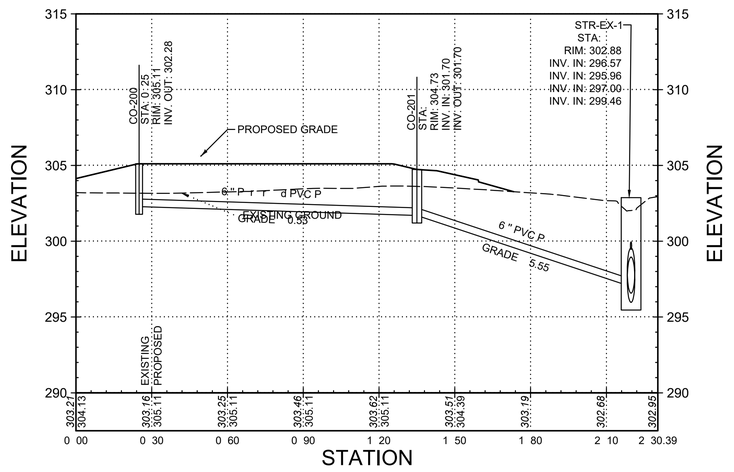
SHEET ID
CG112



H1 PROFILE - CHINOOK HILL STORM DRAIN W/ EXAGGERATION 6 (BID OPTION 7)

SCALE: H 1" 30' V 1" 5'

V 0 5' 10' H 0 30' 60'



A1 PROFILE - ALPHA STORM DRAIN W/ EXAGGERATION 6 (BID OPTION 1)

SCALE: H 1" 30' V 1" 5'

V 0 5' 10' H 0 30' 60'

GENERAL SHEET NOTES

1. SEE C-001 FOR LOCATION AND VICINITY MAP.
2. SEE C-002 FOR ABBREVIATIONS.
3. SEE C-003 FOR PROJECT LEGEND.
4. SEE C-004 FOR PROJECT NOTES.

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MARK	DESCRIPTION	DATE

DESIGNED BY: W. CHAFFIN	ISSUE DATE: JULY 2026
DRAWN BY: S. TURNER	SOLICITATION NO.: -
CHECKED BY: W. CHAFFIN	CONTRACT NO.: -
SUBMITTED BY: J. O'DONNELL	PROJECT NUMBER: MH125004
	SIZE: MHX25004 CG201

U.S. ARMY CORPS OF ENGINEERS
MOBILE DISTRICT
100 CANAL STREET
MOBILE, ALABAMA

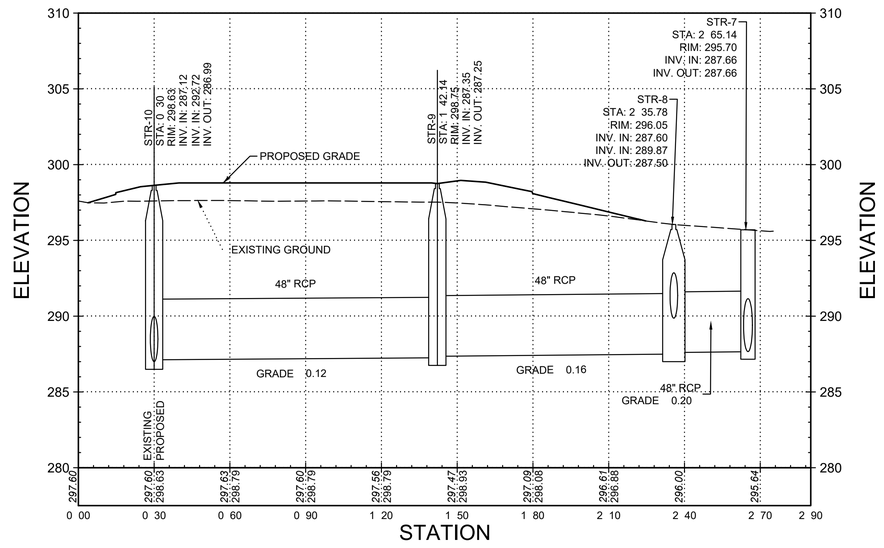
FORT RUCKER
REHABILITATE HELIPADS
AT CAIRNS FIELD

BID OPTION 1 AND BID OPTION 7
STORM DRAIN PROFILES
ALPHA AND CHINOOK HILL

SHEET ID

CG201

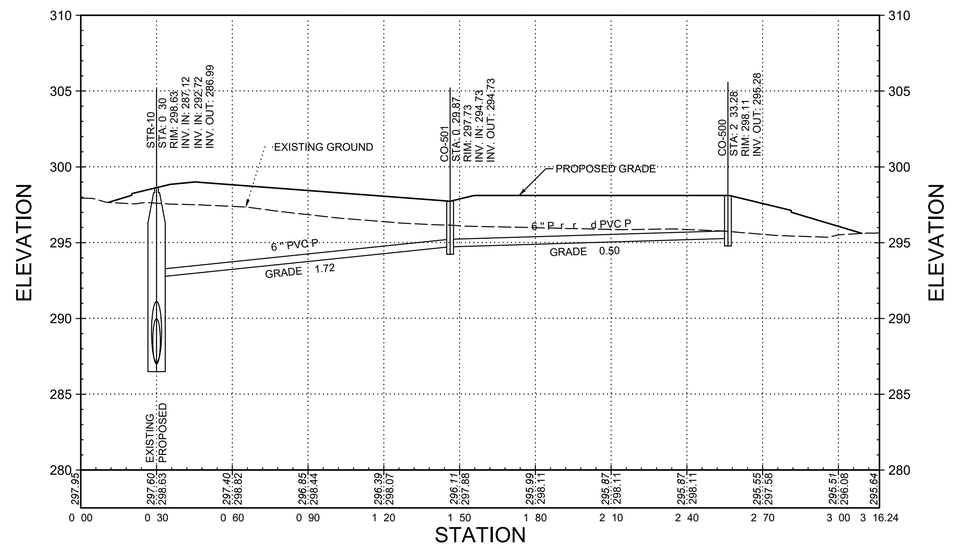
AMENDMENT NO. 0002



H1 PROFILE - BRAVO STORM DRAIN W/ EXAGGERATION 6 (BID OPTION 3)

SCALE: H 1" 30' V 1" 5'

V 0 5' 10' H 0 30' 60'



A1 PROFILE - BRAVO HELIPAD STORM DRAIN W/ EXAGGERATION 6 (BID OPTION 3)

SCALE: H 1" 30' V 1" 5'

V 0 5' 10' H 0 30' 60'

GENERAL SHEET NOTES

1. SEE C-001 FOR LOCATION AND VICINITY MAP.
2. SEE C-002 FOR ABBREVIATIONS.
3. SEE C-003 FOR PROJECT LEGEND.
4. SEE C-004 FOR PROJECT NOTES.

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY: W. CHAFFIN
DRAWN BY: S. TURNER
CHECKED BY: W. CHAFFIN
SUBMITTED BY: J. O'DONNELL
ISSUE DATE: JULY 2026
SOLICITATION NO.: -
CONTRACT NO.: -
PROJECT NUMBER: MH125004
SIZE: MHX25004 CG202

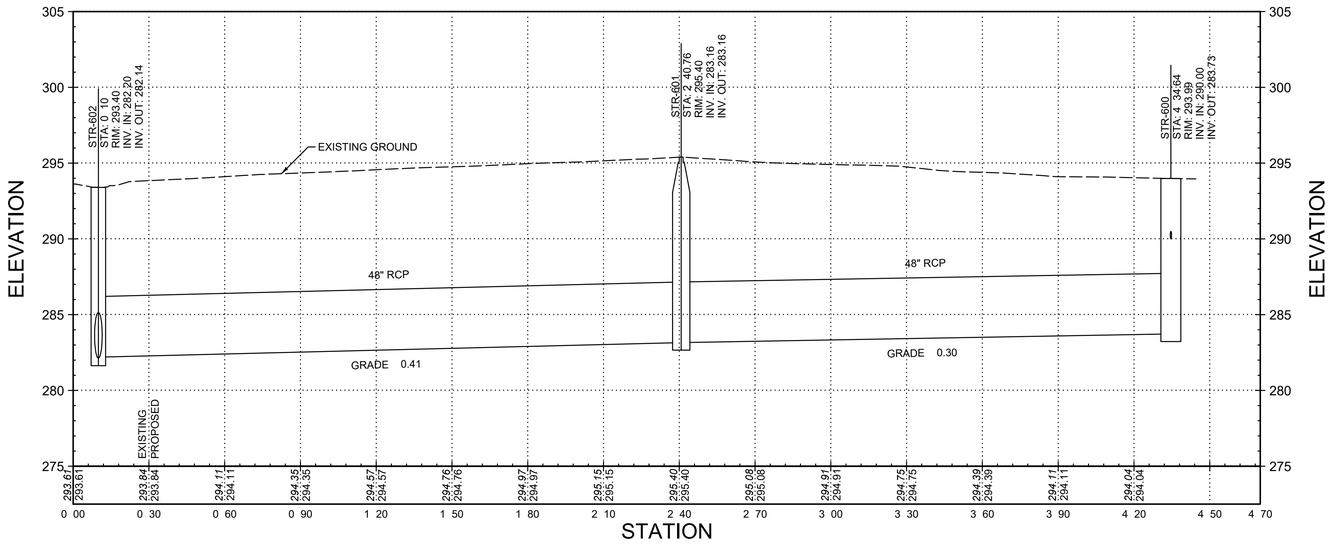
U.S. ARMY CORPS OF ENGINEERS
MOBILE DISTRICT
100 CANAL STREET
MOBILE, ALABAMA

FORT RUCKER
REHABILITATE HELIPADS
AT CAIRNS FIELD

BID OPTION 3
STORM DRAIN PROFILES
BRAVO

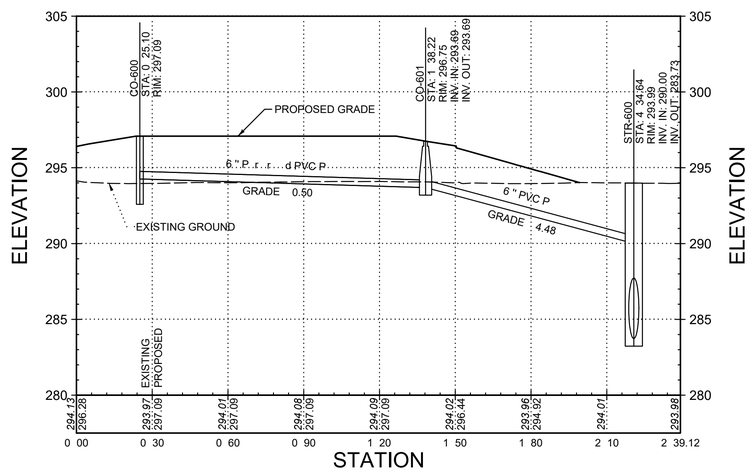
SHEET ID

CG202



H1 PROFILE - CHARLIE STORM DRAIN W/ EXAGGERATION 6 (BID OPTION 2)

SCALE: H 1" 30' V 1" 5'



A1 PROFILE - CHARLIE HELIPAD STORM DRAINAGE W/ EXAGGERATION 6 (BID OPTION 2)

SCALE: H 1" 30' V 1" 5'

GENERAL SHEET NOTES

1. SEE C-001 FOR LOCATION AND VICINITY MAP.
2. SEE C-002 FOR ABBREVIATIONS.
3. SEE C-003 FOR PROJECT LEGEND.
4. SEE C-004 FOR PROJECT NOTES.

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY: W. CHAFFIN	ISSUE DATE: JULY 2026
DRAWN BY: S. TURNER	SOLICITATION NO.: -
CHECKED BY: W. CHAFFIN	CONTRACT NO.: -
SUBMITTED BY: J. O'DONNELL	PROJECT NUMBER: MH125004
	SIZE: MHX25004 CG203

U.S. ARMY CORPS OF ENGINEERS
MOBILE DISTRICT
100 CANAL STREET
MOBILE, ALABAMA

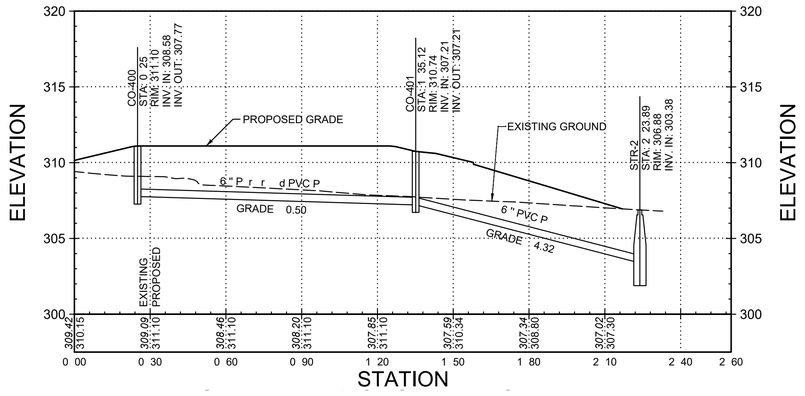
FORT RUCKER
REHABILITATE HELIPADS
AT CAIRNS FIELD

BID OPTION 2
STORM DRAIN PROFILES
CHARLIE

SHEET ID

CG203

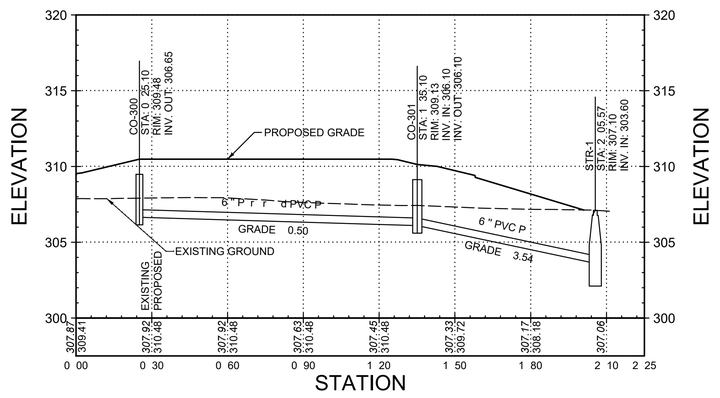
AMENDMENT NO. 0002



H1 PROFILE - DELTA 2 STORM DRAIN W/ EXAGGERATION 6 (BASE BID)

SCALE: H 1" 30' V 1" 5'

V 0 5' 10' H 0 30' 60'



A1 PROFILE - DELTA 1 STORM DRAIN W/ EXAGGERATION 6 (BASE BID)

SCALE: H 1" 30' V 1" 5'

V 0 5' 10' H 0 30' 60'

GENERAL SHEET NOTES

1. SEE C-001 FOR LOCATION AND VICINITY MAP.
2. SEE C-002 FOR ABBREVIATIONS.
3. SEE C-003 FOR PROJECT LEGEND.
4. SEE C-004 FOR PROJECT NOTES.

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY: W. CHAFFIN
DRAWN BY: S. TURNER
CHECKED BY: W. CHAFFIN
SUBMITTED BY: J. O'DONNELL
SIZE:
ISSUE DATE: JULY 2026
SOLICITATION NO.: -
CONTRACT NO.: -
PROJECT NUMBER: MHY25004
MHY25004 CG204

U.S. ARMY CORPS OF ENGINEERS
MOBILE DISTRICT
100 CANAL STREET
MOBILE, ALABAMA

FORT RUCKER
REHABILITATE HELIPADS
AT CAIRNS FIELD

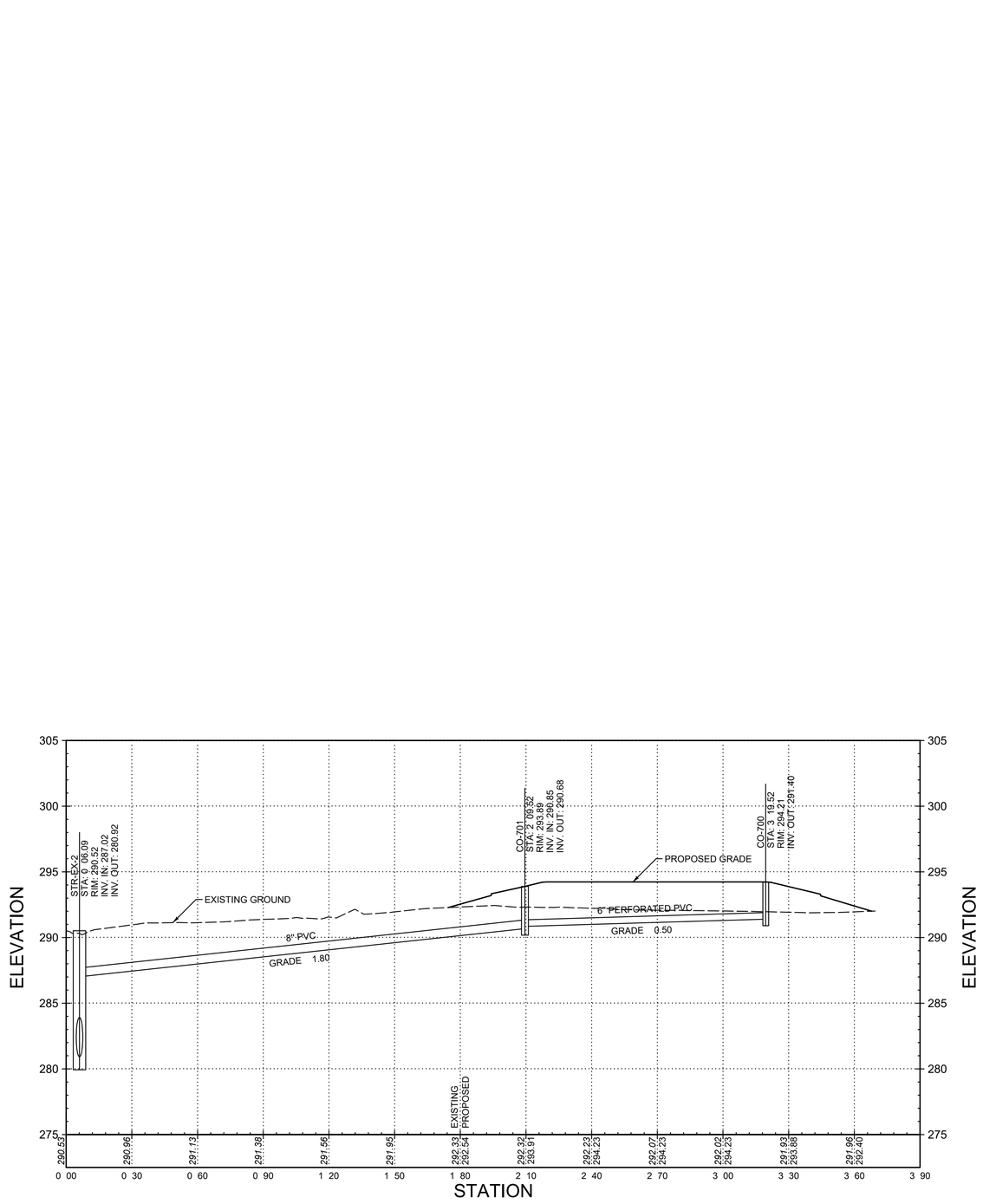
BASE BID
STORM DRAIN PROFILES
DELTA 1 AND DELTA 2

SHEET ID

CG204

GENERAL SHEET NOTES

1. SEE C-001 FOR LOCATION AND VICINITY MAP.
2. SEE C-002 FOR ABBREVIATIONS.
3. SEE C-003 FOR PROJECT LEGEND.
4. SEE C-004 FOR PROJECT NOTES.



A1 PROFILE - ECHO STORM DRAIN W/ EXAGGERATION 6 (BID OPTION 4)

SCALE: H 1" 30' V 1" 5'

V 0 5' 10' H 0 30' 60'

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY: W. CHAFFIN	ISSUE DATE: JULY 2026
DRAWN BY: S. TURNER	SOLICITATION NO.: -
CHECKED BY: W. CHAFFIN	CONTRACT NO.: -
SUBMITTED BY: J. O'DONNELL	PROJECT NUMBER: MH172004
	SIZE: MHX25004 CG205

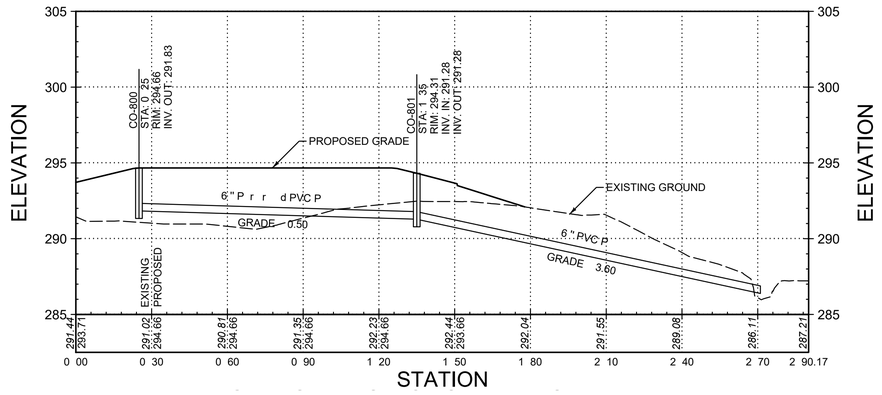
U.S. ARMY CORPS OF ENGINEERS
MOBILE DISTRICT
100 CANAL STREET
MOBILE, ALABAMA

FORT RUCKER
REHABILITATE HELIPADS
AT CAIRNS FIELD

BID OPTION 4
STORM DRAIN PROFILES
ECHO

SHEET ID

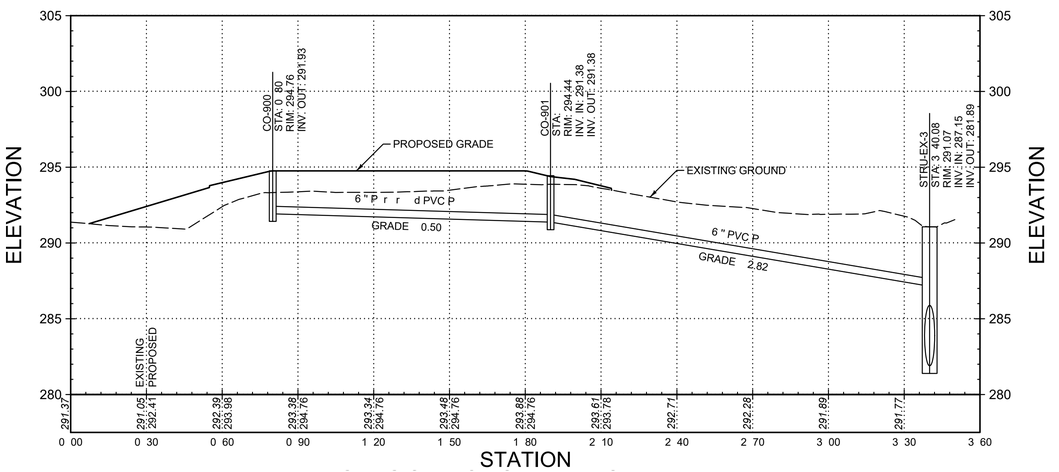
CG205



H1 PROFILE - FOXTROT STORM DRAIN W/ EXAGGERATION 6 (BID OPTION 6)

SCALE: H 1" 30' V 1" 5'

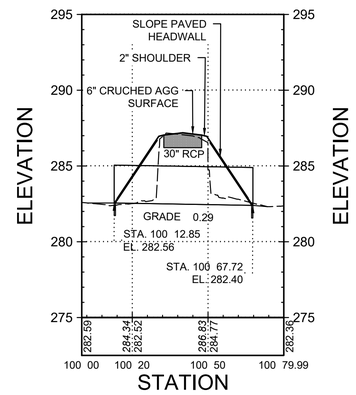
V 0 5' 10' H 0 30' 60'



A1 PROFILE - GOLF STORM DRAIN W/ EXAGGERATION 6 (BID OPTION 5)

SCALE: H 1" 30' V 1" 5'

V 0 5' 10' H 0 30' 60'



A11 PROFILE - GOLF PERIMETER ROAD STORM DRAIN CROSSING (BID OPTION 5)

SCALE: H 1" 30' V 1" 5'

V 0 5' 10' H 0 30' 60'

GENERAL SHEET NOTES

1. SEE C-001 FOR LOCATION AND VICINITY MAP.
2. SEE C-002 FOR ABBREVIATIONS.
3. SEE C-003 FOR PROJECT LEGEND.
4. SEE C-004 FOR PROJECT NOTES.

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY: W. CHAFFIN
DRAWN BY: S. TURNER
CHECKED BY: W. CHAFFIN
SUBMITTED BY: J. O'DONNELL
SIZE:
ISSUE DATE: JULY 2026
SOLICITATION NO.: -
CONTRACT NO.: -
PROJECT NUMBER: MH125004
MHX25004 CG206

U.S. ARMY CORPS OF ENGINEERS
MOBILE DISTRICT
100 CANAL STREET
MOBILE, ALABAMA

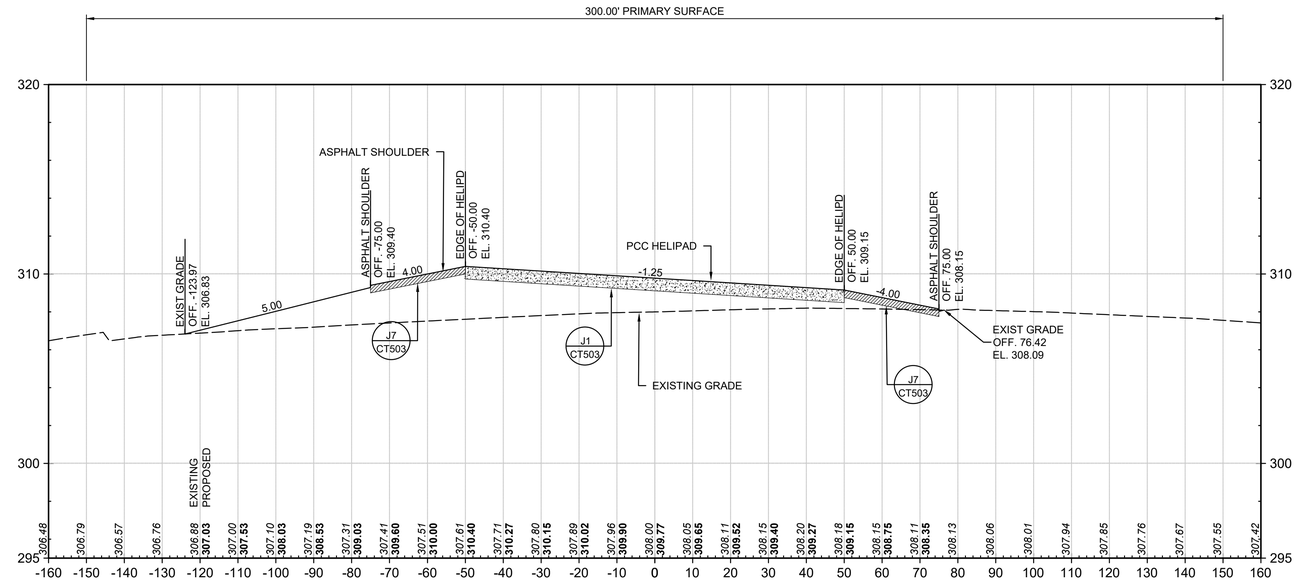
FORT RUCKER
REHABILITATE HELIPADS
AT CAIRNS FIELD

BID OPTION 5 AND BID OPTION 6
STORM DRAIN PROFILES
FOXTROT AND GOLF

SHEET ID

CG206

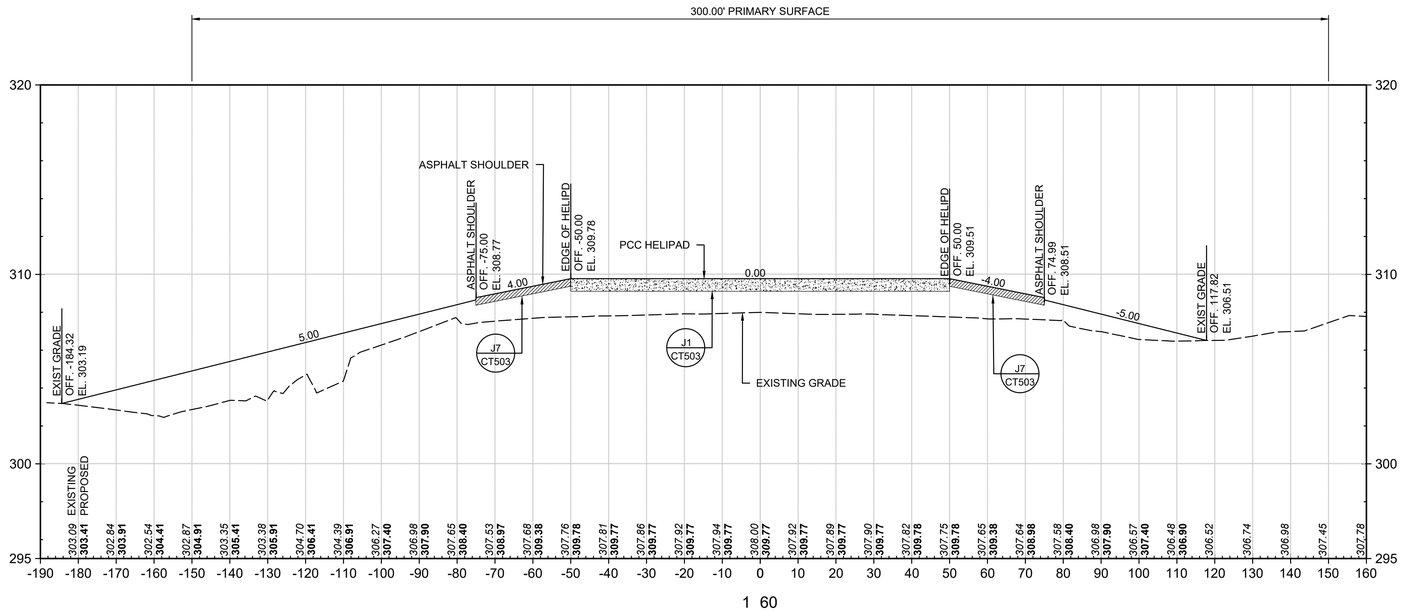
AMENDMENT NO. 0002



H1 CROSS SECTIONS - CHINOOK HILL W/ EXAGGERATION 5 (BID OPTION 7)

SCALE: H 1" 20' V 1" 4'

V 0 4' 8' H 0 20' 40'



A1 CROSS SECTIONS - CHINOOK HILL W/ EXAGGERATION 5 (BID OPTION 7)

SCALE: H 1" 20' V 1" 4'

V 0 4' 8' H 0 20' 40'

GENERAL SHEET NOTES

1. SEE C-001 FOR LOCATION AND VICINITY MAP.
2. SEE C-002 FOR ABBREVIATIONS.
3. SEE C-003 FOR PROJECT LEGEND.
4. SEE C-004 FOR PROJECT NOTES.

SHEET KEYNOTES

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MARK	DESCRIPTION	DATE

DESIGNED BY: W. CHAFFIN	ISSUE DATE: JULY 2026
DRAWN BY: K. KIRBY	SOLICITATION NO.: -
CHECKED BY: J. LONG	CONTRACT NO.: -
SUBMITTED BY: J. O'DONNELL	PROJECT NUMBER: MHY25004
	SIZE: MHY25004_CG301

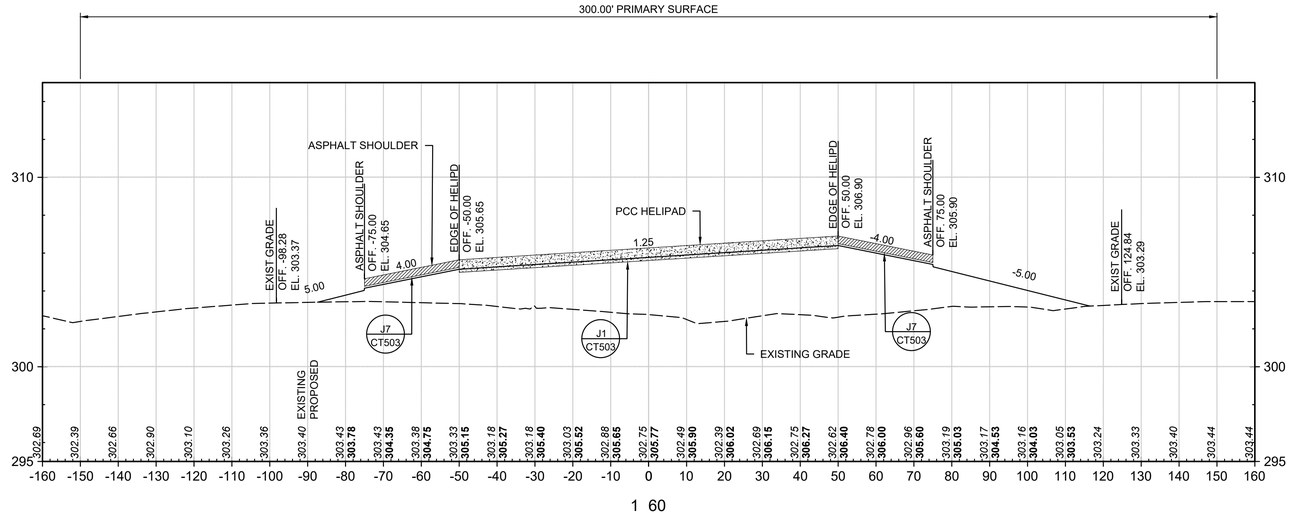
U.S. ARMY CORPS OF ENGINEERS
MOBILE DISTRICT
100 CANAL STREET
MOBILE, ALABAMA

FORT RUCKER
REHABILITATE HELIPADS
AT CAIRNS FIELD

BID OPTION 7
CROSS SECTIONS

SHEET ID

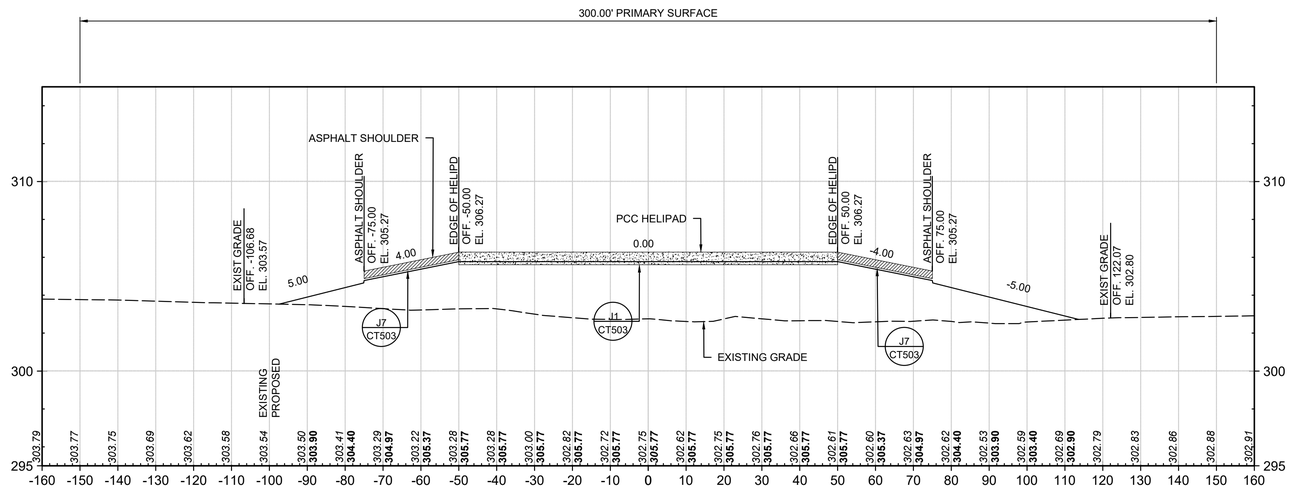
CG301



H1 CROSS SECTIONS - ALPHA W/ EXAGGERATION 5 (BID OPTION 1)

SCALE: H 1" 20' V 1" 4'

V 0 4' 8' H 0 20' 40"



A1 CROSS SECTIONS - ALPHA W/ EXAGGERATION 5 (BID OPTION 1)

SCALE: H 1" 20' V 1" 4'

V 0 4' 8' H 0 20' 40"

GENERAL SHEET NOTES

1. SEE C-001 FOR LOCATION AND VICINITY MAP.
2. SEE C-002 FOR ABBREVIATIONS.
3. SEE C-003 FOR PROJECT LEGEND.
4. SEE C-004 FOR PROJECT NOTES.

SHEET KEYNOTES

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

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DRAWN BY: K. KIRBY	SOLICITATION NO.: -
CHECKED BY: J. LONG	CONTRACT NO.: -
SUBMITTED BY: J. O'DONNELL	PROJECT NUMBER: MH125004
	SIZE: MHY25004 CG302

U.S. ARMY CORPS OF ENGINEERS
MOBILE DISTRICT
100 CANAL STREET
MOBILE, ALABAMA

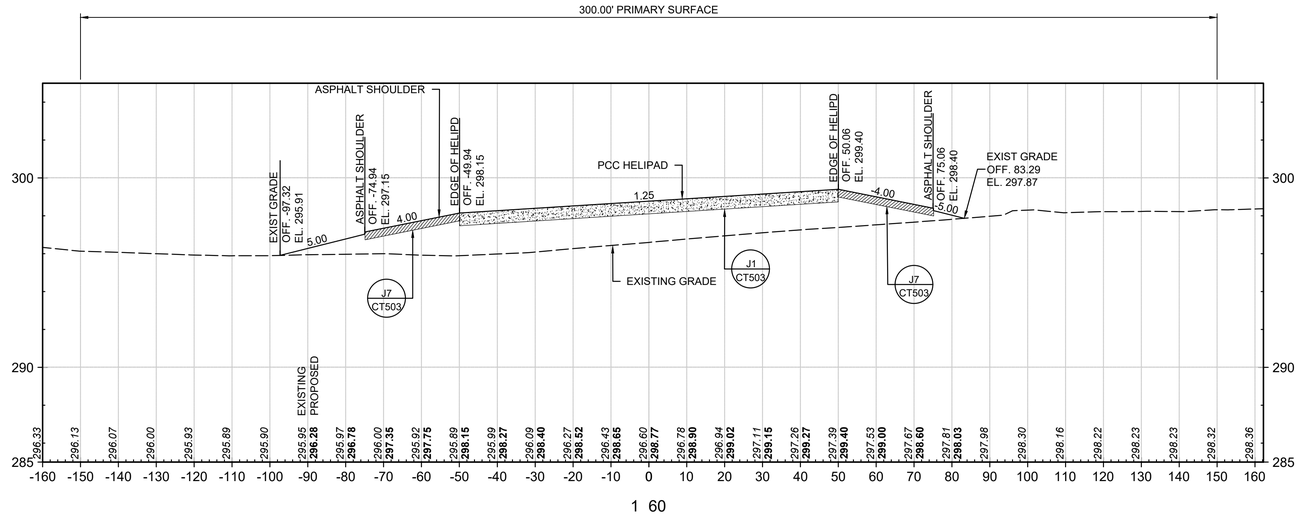
FORT RUCKER
REHABILITATE HELIPADS
AT CAIRNS FIELD

BID OPTION 1
CROSS SECTIONS

SHEET ID

CG302

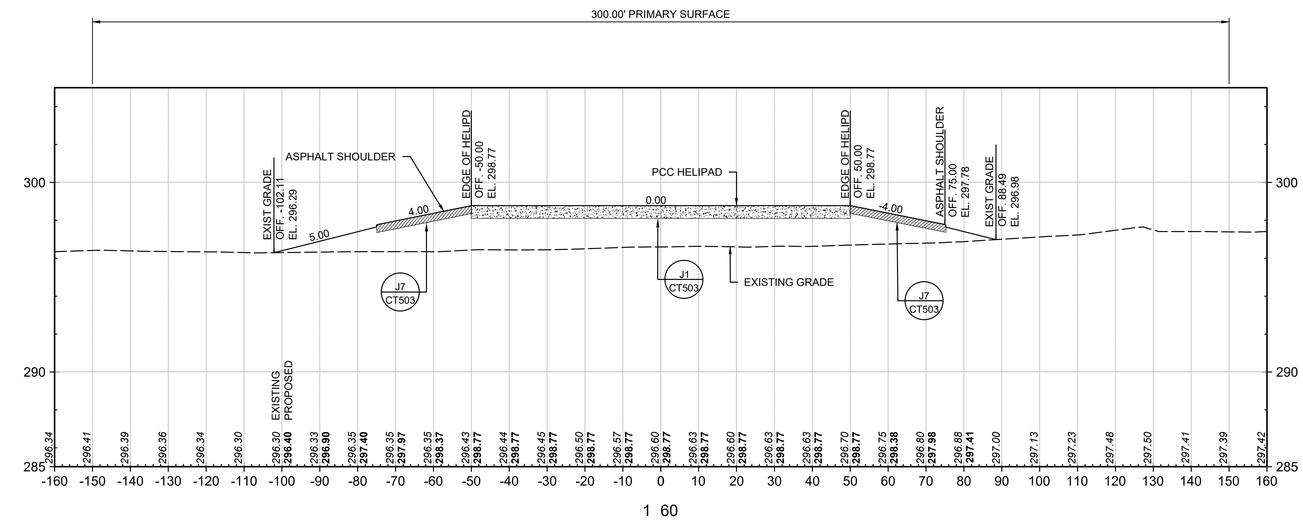
AMENDMENT NO. 0002



H1 CROSS SECTIONS - BRAVO W/ EXAGGERATION 5 (BID OPTION 3)

SCALE: H 1" 20' V 1" 4'

V 0 4' 8' H 0 20' 40'



A1 CROSS SECTIONS - BRAVO W/ EXAGGERATION 5 (BID OPTION 3)

SCALE: H 1" 20' V 1" 4'

V 0 4' 8' H 0 20' 40'

GENERAL SHEET NOTES

1. SEE C-001 FOR LOCATION AND VICINITY MAP.
2. SEE C-002 FOR ABBREVIATIONS.
3. SEE C-003 FOR PROJECT LEGEND.
4. SEE C-004 FOR PROJECT NOTES.

SHEET KEYNOTES

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DRAWN BY: K. KIRBY	SOLICITATION NO.: -
CHECKED BY: J. LONG	CONTRACT NO.: -
SUBMITTED BY: J. O'DONNELL	PROJECT NUMBER: MHY25004
	SIZE: MHY25004_CG303

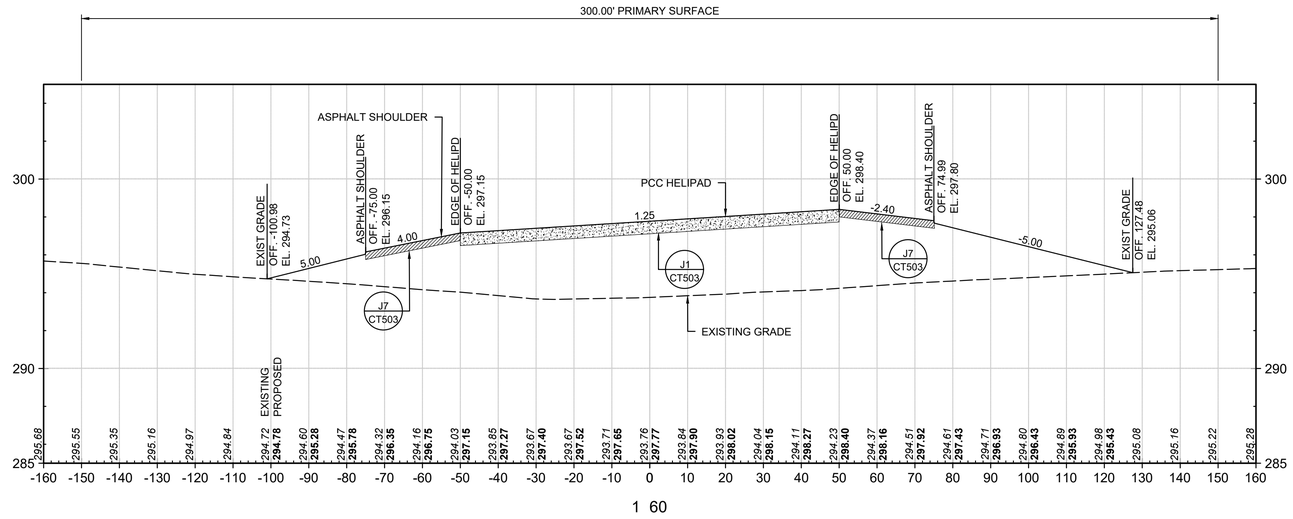
U.S. ARMY CORPS OF ENGINEERS
MOBILE DISTRICT
100 CANAL STREET
MOBILE, ALABAMA

FORT RUCKER
REHABILITATE HELIPADS
AT CAIRNS FIELD

BID OPTION 3
CROSS SECTIONS

SHEET ID

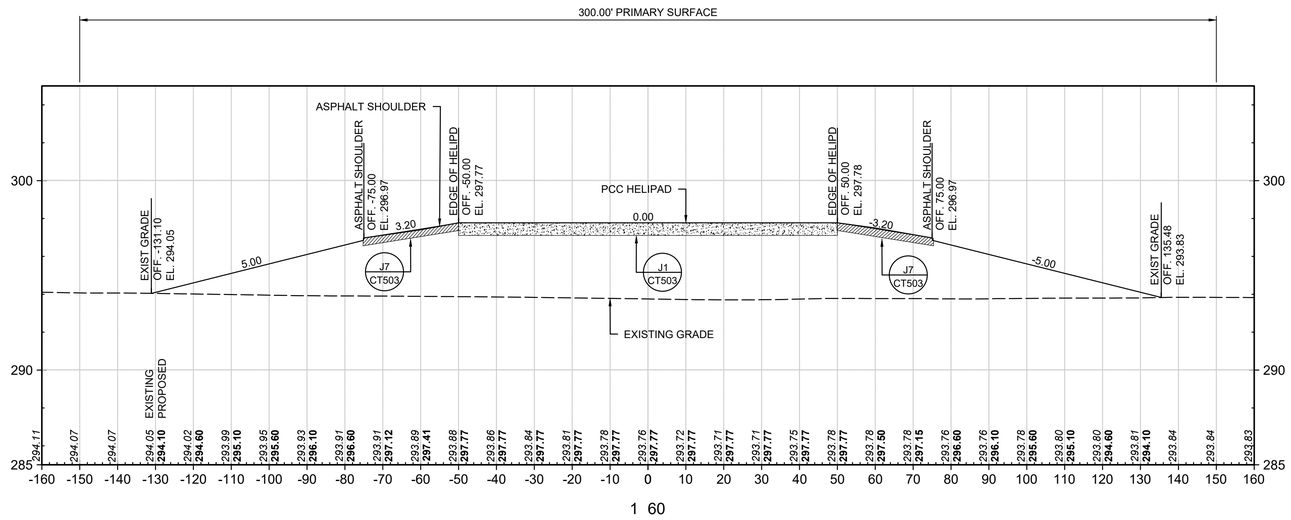
CG303



H1 CROSS SECTIONS - CHARLIE W/ EXAGGERATION 5 (BID OPTION 2)

SCALE: H 1" 20' V 1" 4'

V 0 4' 8' H 0 20' 40'



A1 CROSS SECTIONS - CHARLIE W/ EXAGGERATION 5 (BID OPTION 2)

SCALE: H 1" 20' V 1" 4'

V 0 4' 8' H 0 20' 40'

GENERAL SHEET NOTES

1. SEE C-001 FOR LOCATION AND VICINITY MAP.
2. SEE C-002 FOR ABBREVIATIONS.
3. SEE C-003 FOR PROJECT LEGEND.
4. SEE C-004 FOR PROJECT NOTES.

SHEET KEYNOTES

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MARK	DESCRIPTION	DATE

DESIGNED BY: W. CHAFFIN	ISSUE DATE: JULY 2026
DRAWN BY: K. KIRBY	SOLICITATION NO.: -
CHECKED BY: J. LONG	CONTRACT NO.: -
SUBMITTED BY: J. O'DONNELL	PROJECT NUMBER: MH172004
	SIZE: MHY25004 CG304

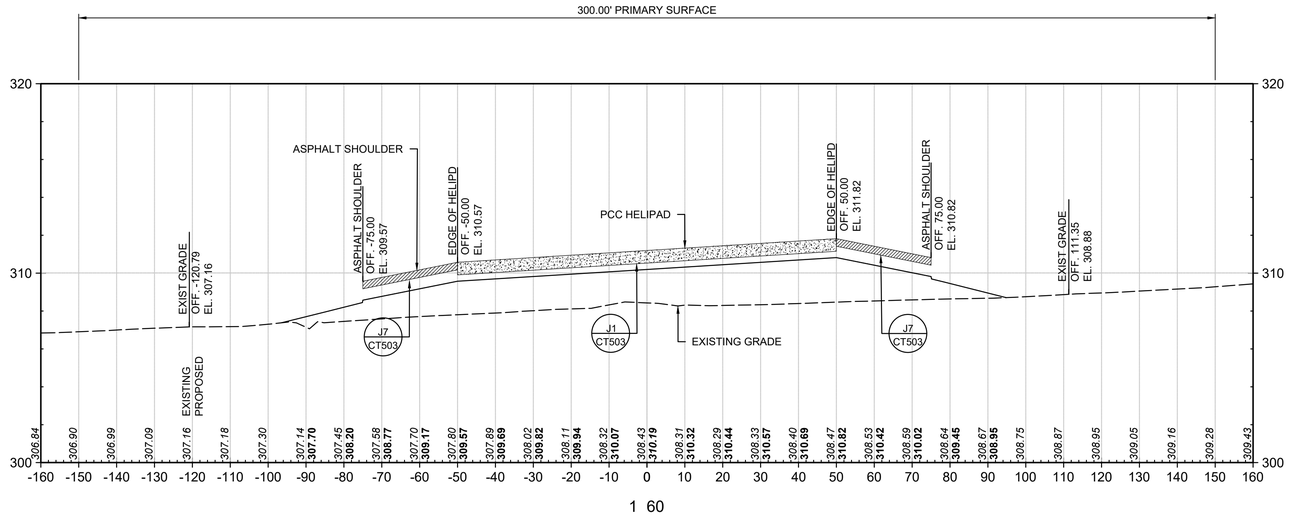
U.S. ARMY CORPS OF ENGINEERS
MOBILE DISTRICT
100 CANAL STREET
MOBILE, ALABAMA

FORT RUCKER
REHABILITATE HELIPADS
AT CAIRNS FIELD

BID OPTION 2
CROSS SECTIONS

SHEET ID

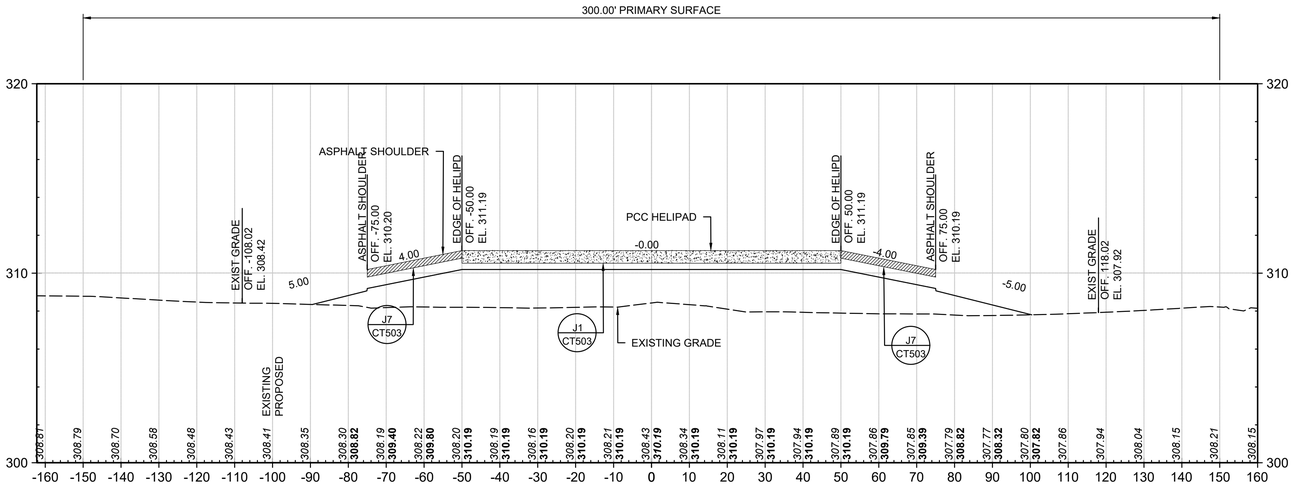
CG304



H1 CROSS SECTIONS - DELTA 1 W/ EXAGGERATION 5 (BASE BID)

SCALE: H 1" 20' V 1" 4'

V 0 4' 8' H 0 20' 40"



A1 CROSS SECTIONS - DELTA 1 W/ EXAGGERATION 5 (BASE BID)

SCALE: H 1" 20' V 1" 4'

V 0 4' 8' H 0 20' 40"

GENERAL SHEET NOTES

1. SEE C-001 FOR LOCATION AND VICINITY MAP.
2. SEE C-002 FOR ABBREVIATIONS.
3. SEE C-003 FOR PROJECT LEGEND.
4. SEE C-004 FOR PROJECT NOTES.

SHEET KEYNOTES

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DESIGNED BY: W. CHAFFIN	ISSUE DATE: JULY 2026
DRAWN BY: K. KIRBY	SOLICITATION NO.: -
CHECKED BY: J. LONG	CONTRACT NO.: -
SUBMITTED BY: J. O'DONNELL	PROJECT NUMBER: MH125004
	SIZE: MHX25004 CG305

U.S. ARMY CORPS OF ENGINEERS
MOBILE DISTRICT
100 CANAL STREET
MOBILE, ALABAMA

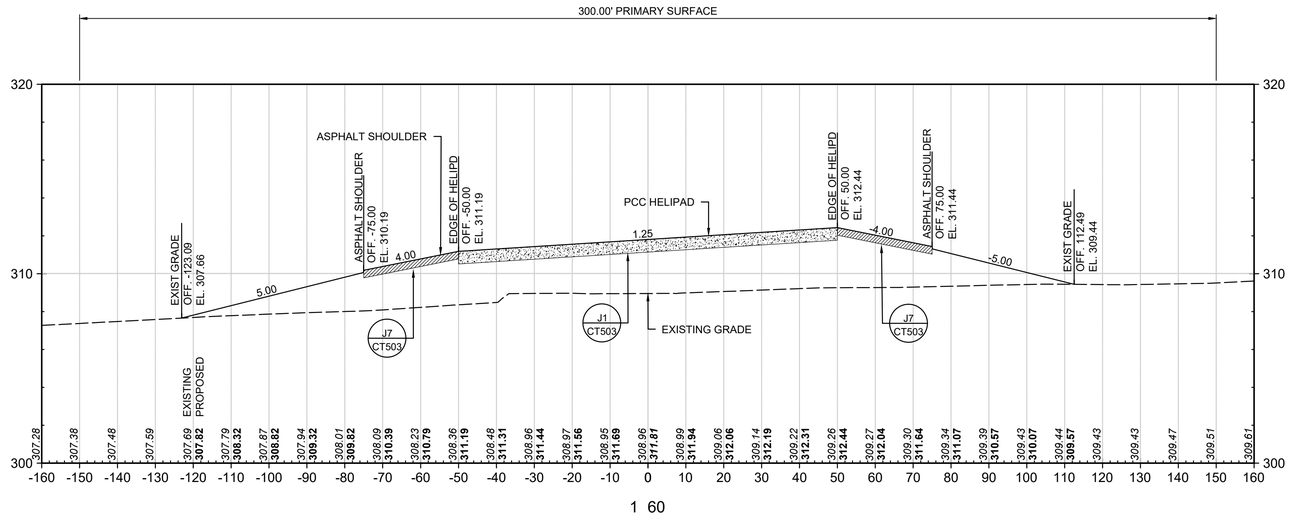
FORT RUCKER
REHABILITATE HELIPADS
AT CAIRNS FIELD

BASE BID
CROSS SECTIONS

SHEET ID

CG305

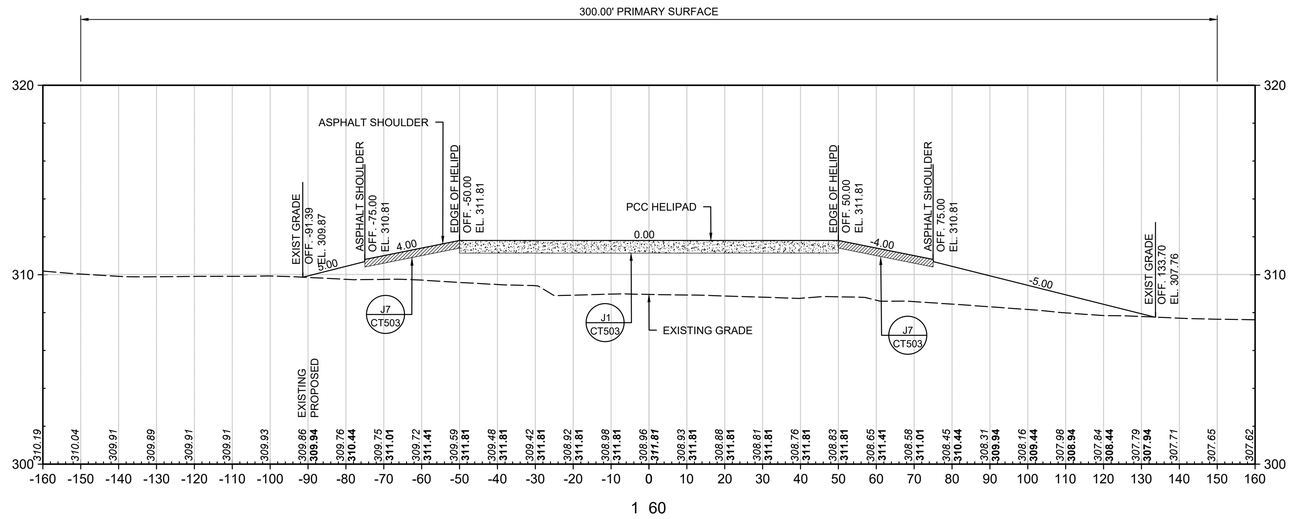
AMENDMENT NO. 0002



H1 CROSS SECTIONS - DELTA 2 W/ EXAGGERATION 5 (BASE BID)

SCALE: H 1" 20' V 1" 4'

V 0 4' 8' H 0 20' 40"



A1 CROSS SECTIONS - DELTA 2 W/ EXAGGERATION 5 (BASE BID)

SCALE: H 1" 20' V 1" 4'

V 0 4' 8' H 0 20' 40"

GENERAL SHEET NOTES

1. SEE C-001 FOR LOCATION AND VICINITY MAP.
2. SEE C-002 FOR ABBREVIATIONS.
3. SEE C-003 FOR PROJECT LEGEND.
4. SEE C-004 FOR PROJECT NOTES.

SHEET KEYNOTES

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DESIGNED BY: W. CHAFFIN	ISSUE DATE: JULY 2026
DRAWN BY: K. KIRBY	SOLICITATION NO.: -
CHECKED BY: J. LONG	CONTRACT NO.: -
SUBMITTED BY: J. O'DONNELL	PROJECT NUMBER: MH125004
	SIZE: MHX25004 CG306

U.S. ARMY CORPS OF ENGINEERS
MOBILE DISTRICT
100 CANAL STREET
MOBILE, ALABAMA

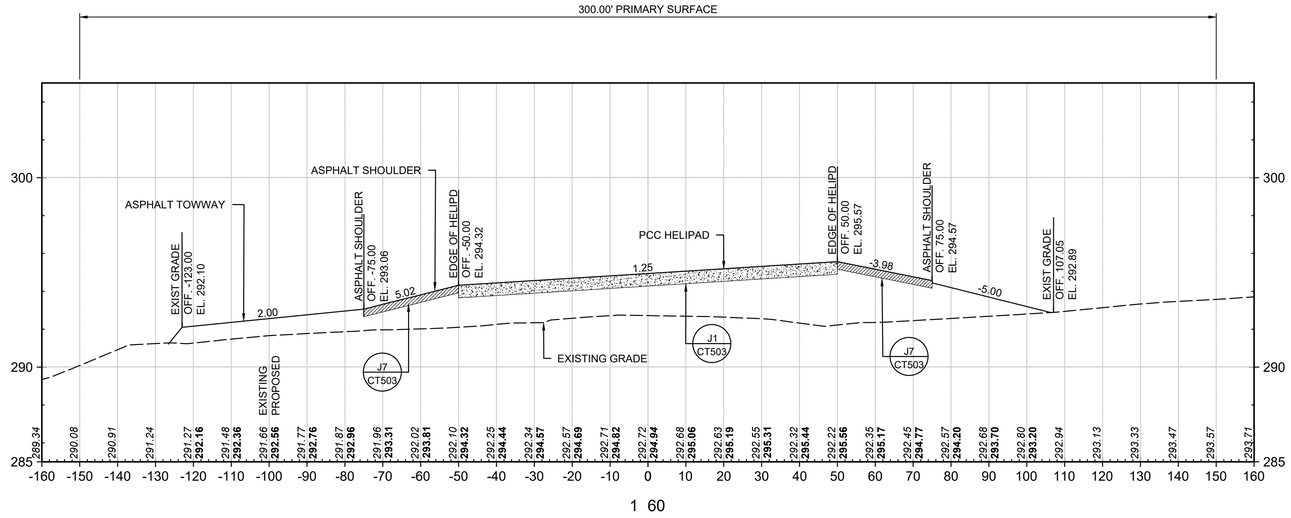
FORT RUCKER
REHABILITATE HELIPADS
AT CAIRNS FIELD

BASE BID
CROSS SECTIONS

SHEET ID

CG306

AMENDMENT NO. 0002

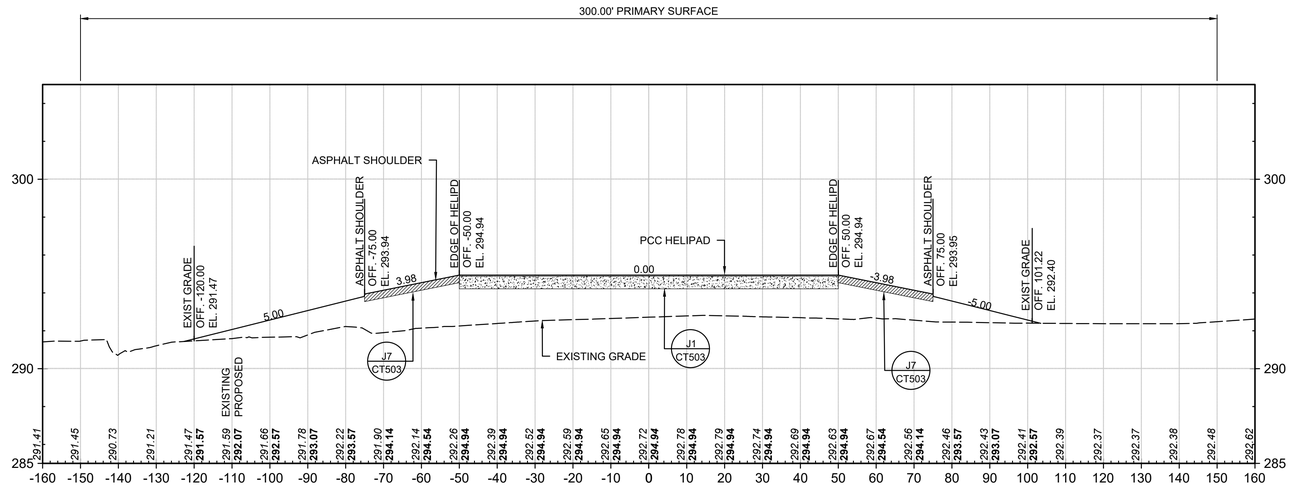


1 60

H1 CROSS SECTIONS - ECHO W/ EXAGGERATION 5 (BID OPTION 4)

SCALE: H 1" 20' V 1" 4'

V 0 4' 8' H 0 20' 40"



1 60

A1 CROSS SECTIONS - ECHO W/ EXAGGERATION 5 (BID OPTION 4)

SCALE: H 1" 20' V 1" 4'

V 0 4' 8' H 0 20' 40"

GENERAL SHEET NOTES

1. SEE C-001 FOR LOCATION AND VICINITY MAP.
2. SEE C-002 FOR ABBREVIATIONS.
3. SEE C-003 FOR PROJECT LEGEND.
4. SEE C-004 FOR PROJECT NOTES.

SHEET KEYNOTES

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MARK	DESCRIPTION	DATE

DESIGNED BY: W. CHAFFIN	ISSUE DATE: JULY 2026
DRAWN BY: K. KIRBY	SOLICITATION NO.: -
CHECKED BY: J. LONG	CONTRACT NO.: -
SUBMITTED BY: J. O'DONNELL	PROJECT NUMBER: MHY25004
	SIZE: MHY25004_CG307

U.S. ARMY CORPS OF ENGINEERS
MOBILE DISTRICT
100 CANAL STREET
MOBILE, ALABAMA

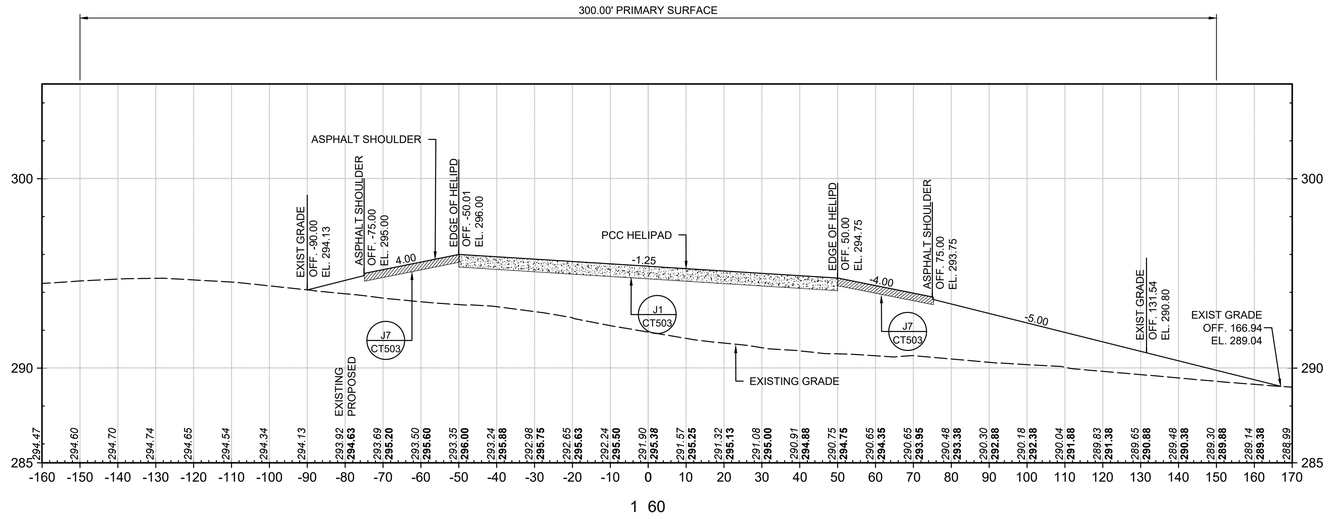
FORT RUCKER
REHABILITATE HELIPADS
AT CAIRNS FIELD

BID OPTION 4
CROSS SECTIONS

SHEET ID

CG307

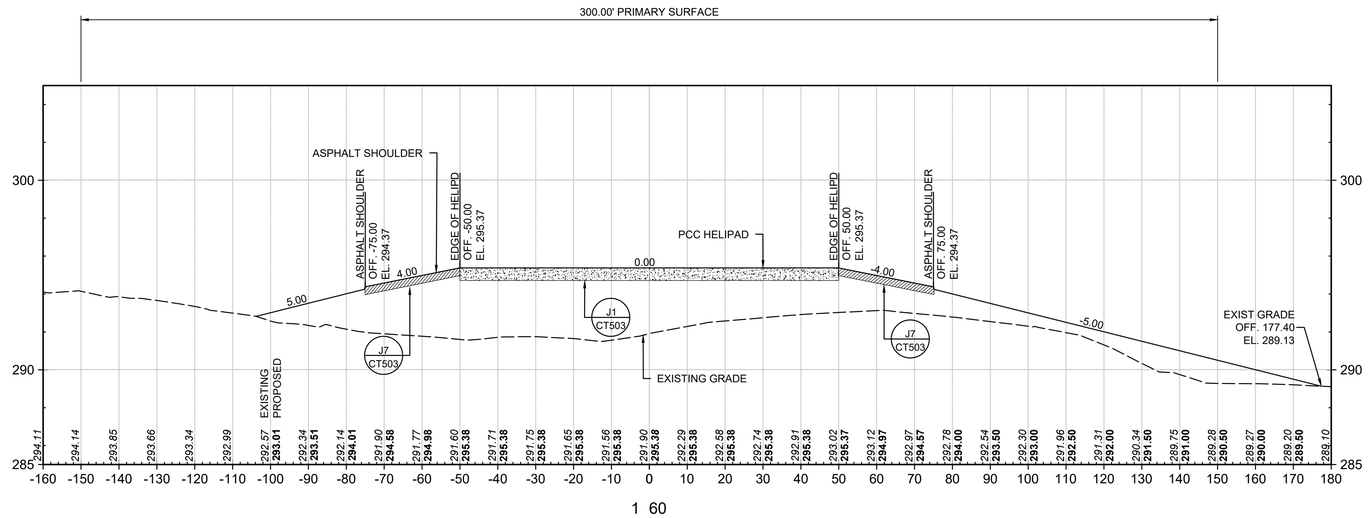
AMENDMENT NO. 0002



H1 CROSS SECTIONS - FOXTROT W/ EXAGGERATION 5 (BID OPTION 6)

SCALE: H 1" 20' V 1" 4'

V 0 4' 8' H 0 20' 40'



A1 CROSS SECTIONS - FOXTROT W/ EXAGGERATION 5 (BID OPTION 6)

SCALE: H 1" 20' V 1" 4'

V 0 4' 8' H 0 20' 40'

GENERAL SHEET NOTES

1. SEE C-001 FOR LOCATION AND VICINITY MAP.
2. SEE C-002 FOR ABBREVIATIONS.
3. SEE C-003 FOR PROJECT LEGEND.
4. SEE C-004 FOR PROJECT NOTES.

SHEET KEYNOTES

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MARK	DESCRIPTION	DATE

DESIGNED BY: W. CHAFFIN	ISSUE DATE: JULY 2026
DRAWN BY: K. KIRBY	SOLICITATION NO.: -
CHECKED BY: J. LONG	CONTRACT NO.: -
SUBMITTED BY: J. O'DONNELL	PROJECT NUMBER: MH125004
	SIZE: MHX25004 CG308

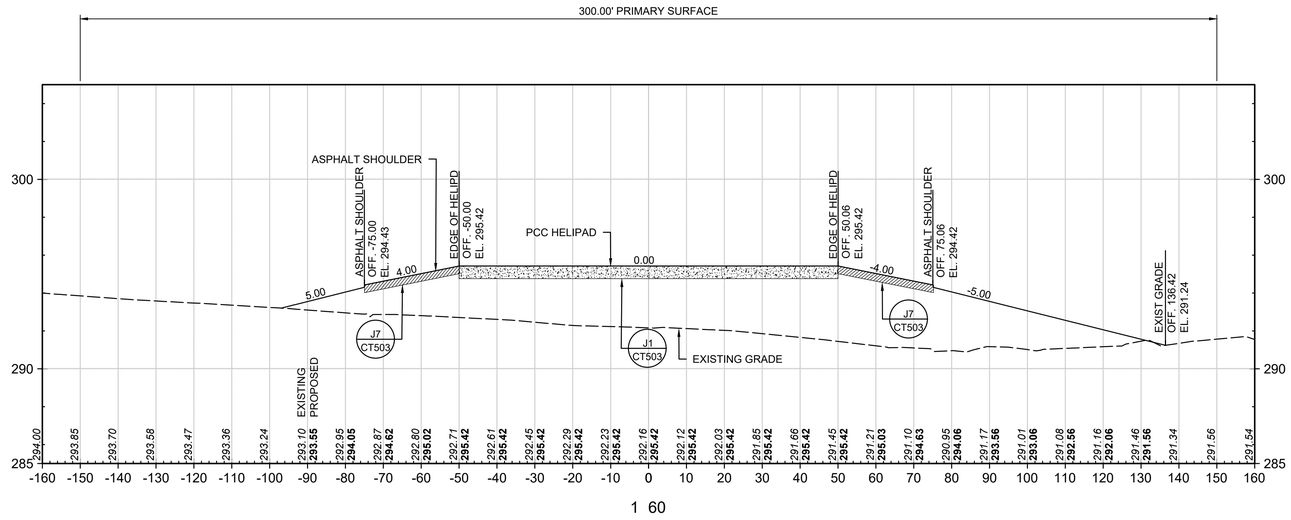
U.S. ARMY CORPS OF ENGINEERS
MOBILE DISTRICT
100 CANAL STREET
MOBILE, ALABAMA

FORT RUCKER
REHABILITATE HELIPADS
AT CAIRNS FIELD

BID OPTION 6
CROSS SECTIONS

SHEET ID

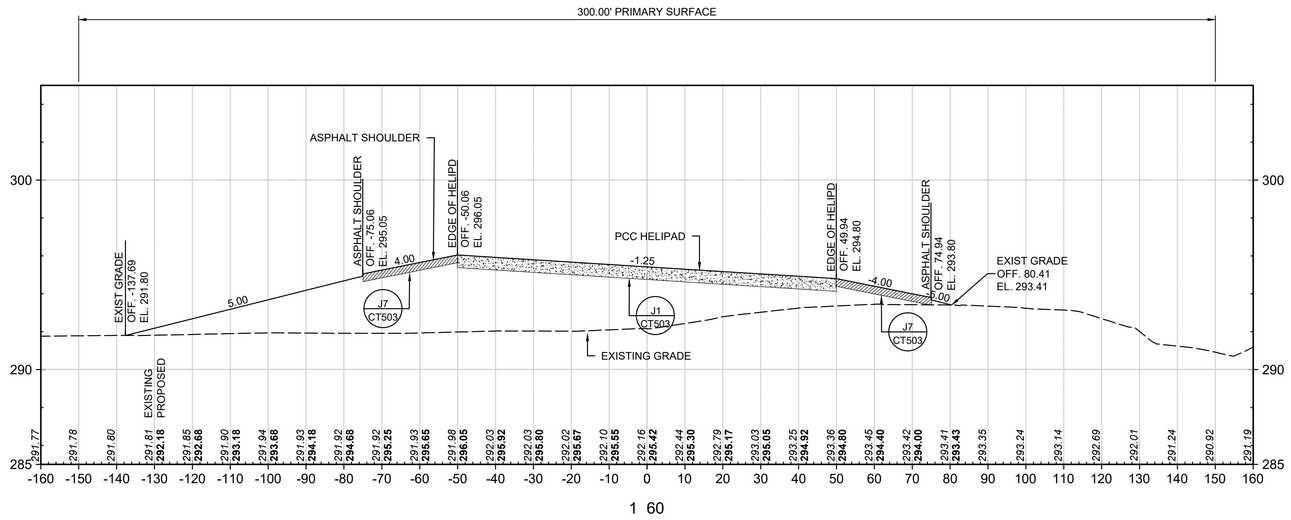
CG308



H1 CROSS SECTIONS - GOLF W/ EXAGGERATION 5 (BID OPTION 5)

SCALE: H 1" 20' V 1" 4'

V 0 4' 8' H 0 20' 40"



A1 CROSS SECTIONS - GOLF W/ EXAGGERATION 5 (BID OPTION 5)

SCALE: H 1" 20' V 1" 4'

V 0 4' 8' H 0 20' 40"

GENERAL SHEET NOTES

1. SEE C-001 FOR LOCATION AND VICINITY MAP.
2. SEE C-002 FOR ABBREVIATIONS.
3. SEE C-003 FOR PROJECT LEGEND.
4. SEE C-004 FOR PROJECT NOTES.

SHEET KEYNOTES

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY: W. CHAFFIN	ISSUE DATE: JULY 2026
DRAWN BY: K. KIRBY	SOLICITATION NO.: -
CHECKED BY: J. LONG	CONTRACT NO.: -
SUBMITTED BY: J. O'DONNELL	PROJECT NUMBER: MHY25004
	SIZE: MHY25004 CG309

U.S. ARMY CORPS OF ENGINEERS
MOBILE DISTRICT
100 CANAL STREET
MOBILE, ALABAMA

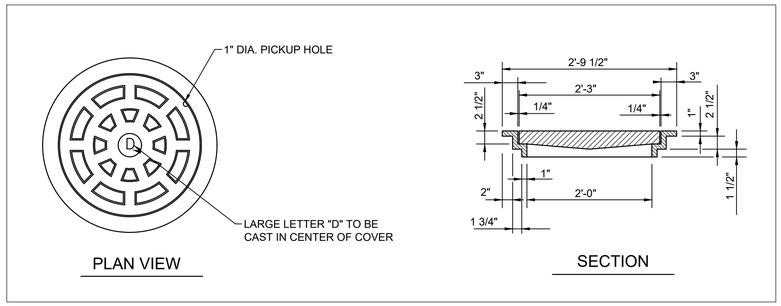
FORT RUCKER
REHABILITATE HELIPADS
AT CAIRNS FIELD

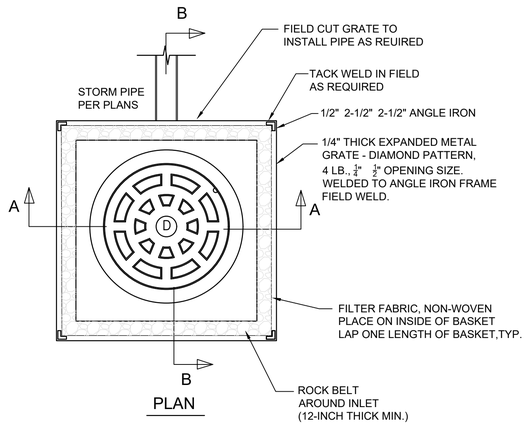
BID OPTION 5
CROSS SECTIONS

SHEET ID

CG309

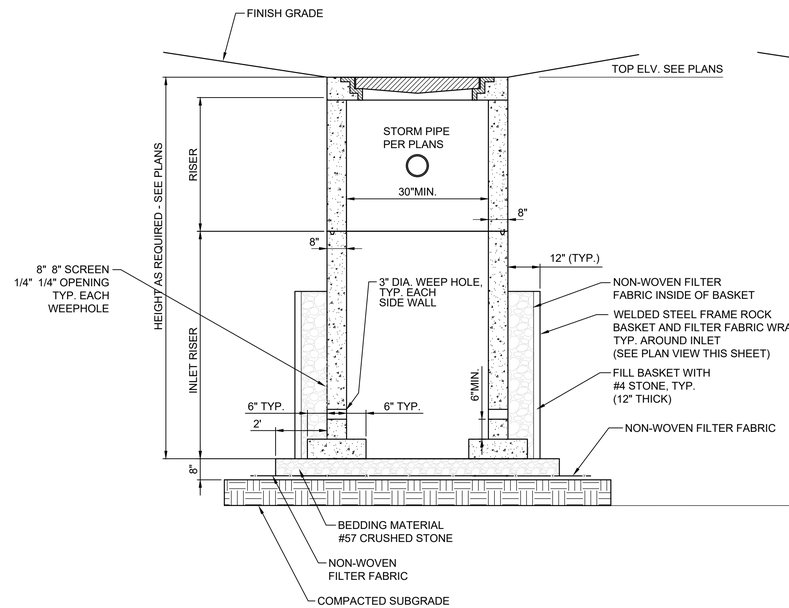
AMENDMENT NO. 0002

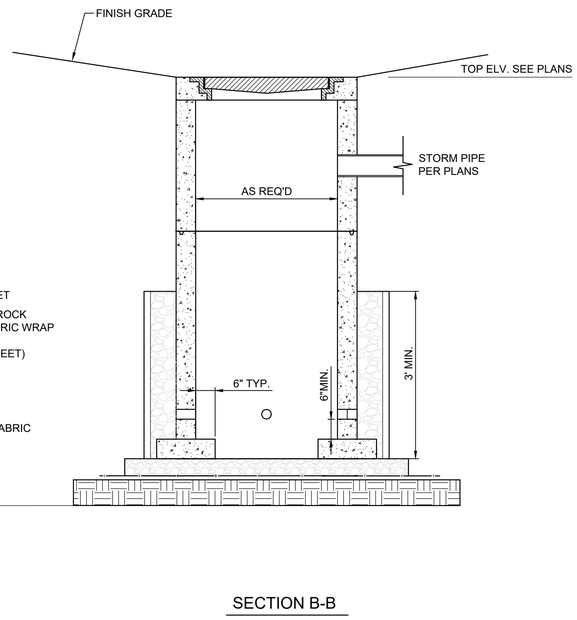




GENERAL NOTES:
1. FOR THE PRECAST CONCRETE STRUCTURE ALL MATERIALS, DESIGN, MANUFACTURE, PHYSICAL TEST REQUIREMENTS, FINISH MARKING, INSPECTION, REJECTION AND REPAIRS SHALL MEET "STANDARD SPECIFICATIONS FOR PRECAST CONCRETE WATER AND WASTEWATER STRUCTURES", PER ASTM C-913, LATEST EDITIONS.
2. CONCRETE STRENGTH: F' 4,000 PSI (MIN.) IN 28 DAYS.
3. REINFORCING STEEL: PER ASTM A-615 GRADE 60.
4. REINFORCING TO MEET AASHTO HS 20-44 LOADING.
5. PRECAST STRUCTURE SHALL MEET ASTM C-857-92 FOR MINIMUM STRUCTURAL DESIGN LOADING FOR UNDERGROUND PRECAST CONCRETE UTILITY STRUCTURES.
6. STRUCTURES SHALL BE CONSTRUCTED AS REQUIRED TO ACCOMMODATE PIPE SIZES AND ENTRY/EXIT ANGLES.
5. PROVIDE BUTYL JOINT SEALANT AT ALL PRECAST JOINTS AS PER MANUFACTURER'S RECOMMENDATIONS.
6. THE ROCK BASKET SHALL BE FILLED WITH #4 STONE AND HAND TAMPED AS APPROVED BY THE COR. THE PLACED STONE ELEVATION SHALL NOT EXCEED 8-INCHES ABOVE THE ELEVATION OF THE PLACED COMPACTED FILL ADJACENT TO THE BASKET.

STRUCTURE MAY BE SQUARE OR ROUND.





GENERAL SHEET NOTES

1. SEE C-001 FOR LOCATION AND VICINITY MAP.
2. SEE C-002 FOR ABBREVIATIONS.
3. SEE C-003 FOR PROJECT LEGEND.
4. SEE C-004 FOR PROJECT NOTES.

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY: W. CHAFFIN
DRAWN BY: S. TURNER
CHECKED BY: W. CHAFFIN
SUBMITTED BY: J. O'DONNELL
ISSUE DATE: JULY 2026
SOLICITATION NO.: -
CONTRACT NO.: -
PROJECT NUMBER: MHY25004
SIZE: MHY25004 CG501

U.S. ARMY CORPS OF ENGINEERS
MOBILE DISTRICT
100 CANAL STREET
MOBILE, ALABAMA

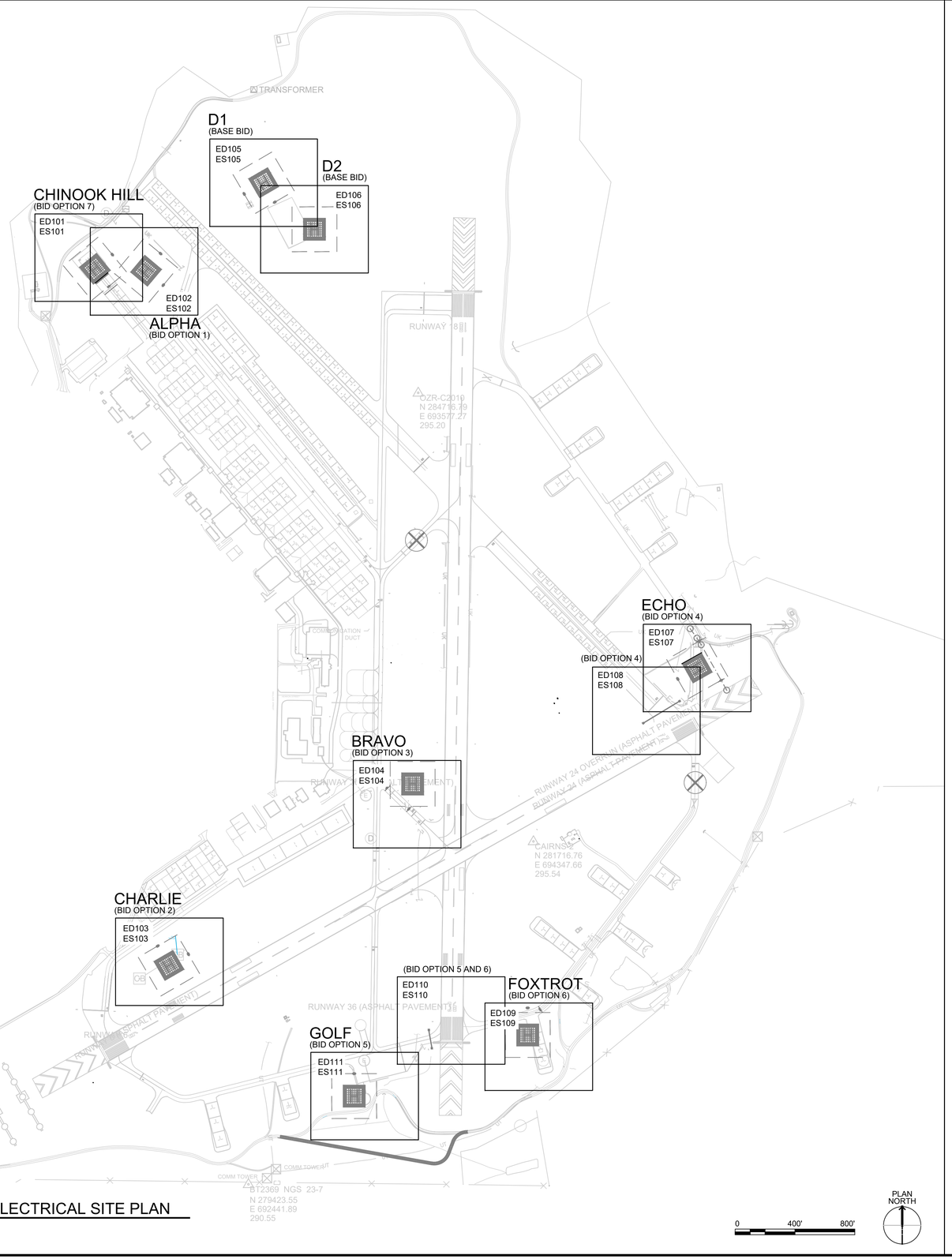
FORT RUCKER
REHABILITATE HELIPADS
AT CAIRNS FIELD

STORM DRAIN MANHOLE DETAILS

SHEET ID
CG501

A1 STORM DRAIN MANHOLE DETAILS
SCALE: N.T.S.

AMENDMENT NO. 0002



A1 OVERALL ELECTRICAL SITE PLAN

SCALE: 1" 400'

LEGEND:

- EXISTING ELEVATED LIGHT FIXTURE.
- EXISTING IN-PAVEMENT LIGHT FIXTURE.
- EXISTING LIGHT FIXTURE BASE WITH NO LIGHT FIXTURE AND STEEL COVER PLATE.
- EUx — EXISTING UNDERGROUND ELECTRICAL CIRCUITS.
- EUx — DISCONNECT AND REMOVE.
- Y1 — NEW UNIDIRECTIONAL ELEVATED FIXTURE, MEDIUM INTENSITY FAA TYPE L-861 ON L-867 BASE. ("Y" DENOTES UNIDIRECTIONAL YELLOW LENS, # DENOTES TAXIWAY CIRCUIT)
- GY1 — NEW BI-DIRECTIONAL ELEVATED FIXTURE, MEDIUM INTENSITY FAA TYPE L-861 ON L-867 BASE. ("GY" DENOTES BI-DIRECTIONAL GREEN/YELLOW LENS, # DENOTES TAXIWAY CIRCUIT)
- Y1 — NEW OMNI-DIRECTIONAL IN-PAVEMENT FIXTURE, MEDIUM INTENSITY FAA TYPE L-852E ON L-868 BASE. ("Y" DENOTES YELLOW LENS, # DENOTES TAXIWAY CIRCUIT)
- Y1 — NEW UNIDIRECTIONAL IN-PAVEMENT FIXTURE, MEDIUM INTENSITY FAA L-852A ON L-868 BASE. ("Y" DENOTES UNIDIRECTIONAL YELLOW LENS, # DENOTES TAXIWAY CIRCUIT)
- GY1 — NEW BI-DIRECTIONAL IN-PAVEMENT FIXTURE, MEDIUM INTENSITY FAA L-852A ON L-868 BASE. ("GY" DENOTES BI-DIRECTIONAL GREEN/YELLOW LENS, # DENOTES TAXIWAY CIRCUIT)
- H — EXISTING ELECTRICAL HANDHOLE.
- E — EXISTING ELECTRICAL MANHOLE.
- H E — NEW ELECTRICAL HANDHOLE, SEE DETAIL E13 ON ES503 TYPE 2.
- NEW DIRECT BURIED CONDUIT 2" SCH. 40 PVC UNLESS OTHERWISE INDICATED. SLASH MARKS INDICATE THE NUMBER OF CONDUCTORS (LIGHTING CIRCUIT CONDUCTORS AND COPPER COUNTERPOISE). SEE DETAILS ON ES501 & ES502.
- EU — NEW UNDERGROUND ELECTRICAL DUCTBANK.

ALL SYMBOLS IN THIS LEGEND MAY NOT APPEAR ON THESE DRAWINGS.

GENERAL NOTES:

1. ALL WORK AFFECTING THE EXISTING AIRFIELD LIGHTING SYSTEM SHALL BE PHASED TO ENSURE CONTINUOUS AND UNINTERRUPTED AIRFIELD OPERATIONS. THE CONTRACTOR SHALL SUBMIT A DETAILED PHASING PLAN TO THE COR FOR APPROVAL NO LATER THAN 10 DAYS AFTER NOTICE TO PROCEED (NTP). ALL WORK AND OUTAGES MUST BE COORDINATED WITH THE COR AND G3/AIR, WITH OUTAGES REQUIRING A MINIMUM 10-DAY ADVANCE WRITTEN APPROVAL. FOR BIDDING PURPOSES, THE CONTRACTOR SHALL ASSUME THE PROJECT WILL REQUIRE APPROXIMATELY SIX (6) PHASES AND THAT SCHEDULED OUTAGES WILL OCCUR ON WEEKENDS OR DURING OTHER PERIODS OF LOW AIRFIELD ACTIVITY. THE BID SHALL INCLUDE ALL COSTS FOR PHASING, MULTIPLE MOBILIZATIONS, AND ANY REQUIRED OFF-PEAK WORK.
2. EACH PHASE OF WORK MUST BE FULLY COMPLETED, TESTED, AND FORMALLY ACCEPTED BY THE GOVERNMENT BEFORE WORK ON ANY SUBSEQUENT PHASE MAY BEGIN. NO MATERIAL DELAYS OR OTHER CIRCUMSTANCES WILL PERMIT THE CONTRACTOR TO PROCEED TO A NEW PHASE WITHOUT THE SUCCESSFUL COMPLETION AND GOVERNMENT ACCEPTANCE OF THE CURRENT PHASE.
3. PROVIDE NEW LIGHT FIXTURES, BASES, CONNECTORS, AND TRANSFORMERS PER DETAILS ON ES501, ES502, AND ES503.
4. ALL NEW AIRFIELD LIGHTING CIRCUIT WIRING SHALL BE #8 5KV CABLES THAT MEET THE REQUIREMENTS OF FAA AC 150/5345-7 PULLED IN NEW PATHWAYS AND/OR EXISTING PATHWAYS AS INDICATED.
5. PROVIDE A GROUND ROD AT EACH LIGHT BASE. CONNECT GROUND ROD TO INDIVIDUAL BASES WITH #6 AWG INSULATED GREEN WIRE. KEEP COUNTERPOISE A MINIMUM OF 24" FROM THE GROUND ROD AND GROUND CONDUCTOR.
6. EXISTING MANHOLES, HAND HOLES, LIGHT FIXTURES, AND PATHWAY LOCATIONS ARE APPROXIMATE. CONTRACTOR SHALL FIELD VERIFY FOR PATHWAY CONNECTION POINTS.
7. NEW CONDUIT AND DUCT RUNS ARE SHOWN DIAGRAMMATICALLY. BENDS SHALL BE KEPT TO A MINIMUM AND WHERE NECESSARY SHALL BE ACCOMPLISHED WITH WIDE SWEEP ELBOWS. ALL CONDUIT AND DUCTS SHALL BE INSTALLED SLOPING DOWN TO HAND HOLE OR LIGHT BASES.
8. INSTALL DUCT MARKERS EVERY 200'. PROVIDE ADDITIONAL MARKERS AT ALL DUCT BENDS AND WHERE A DUCT PASSES UNDER PAVEMENTS ON EACH SIDE.
9. ALL SPLICES TO EXISTING LIGHTING CIRCUITS SHALL BE FAA TYPE L-823 AND DONE IN HAND HOLES OR LIGHT BASES.

ABREVIATIONS:

A	AMPERE	MCB	MOLDED CASE CIRCUIT BREAKER
AFG	ABOVE FINISHED GRADE	MLO	MAIN LUGS ONLY
AL	ALUMINUM	MTD	MOUNTED
1/C	ONE CONDUCTOR	NEC	NATIONAL ELECTRICAL CODE
C	CONDUIT	NF	NON FUSED
CCR	CONSTANT CURRENT REGULATOR	NO.	NUMBER
CKT	CIRCUIT	OS	OCCUPANCY SENSOR
CU	COPPER	PH	PHASE
EMT	ELECTRICAL METALLIC TUBING	RGS	RIGID GALVANIZED STEEL
GFI	GROUND FAULT CIRCUIT INTERRUPTER	TVSS	TRANSIENT VOLTAGE SURGE SUPRESSOR
GFP	GROUND FAULT PROTECTION	UNO	UNLESS NOTED OTHERWISE
HT	HEIGHT	V	VOLT
HZ	HERTZ	VA	VOLTAMPERE
IAW	IN ACCORDANCE WITH	W	WATTS
J	JUNCTION BOX	WP	WATER PROOF
LED	LIGHT EMITTING DIODE	XFMR	TRANSFORMER

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

ISSUE DATE: JULY 2026
SOLICITATION NO.: -
CONTRACT NO.: -
PROJECT NUMBER: MHY25004

DESIGNED BY: J.W. DUNSFORD
DRAWN BY: N.J.T. DODSON
CHECKED BY: C.P. GUNN
SUBMITTED BY: J.L. SCARBROUGH
SIZE:

U.S. ARMY CORPS OF ENGINEERS
MOBILE DISTRICT
100 CANAL STREET
MOBILE, ALABAMA

MHY25004 E-001

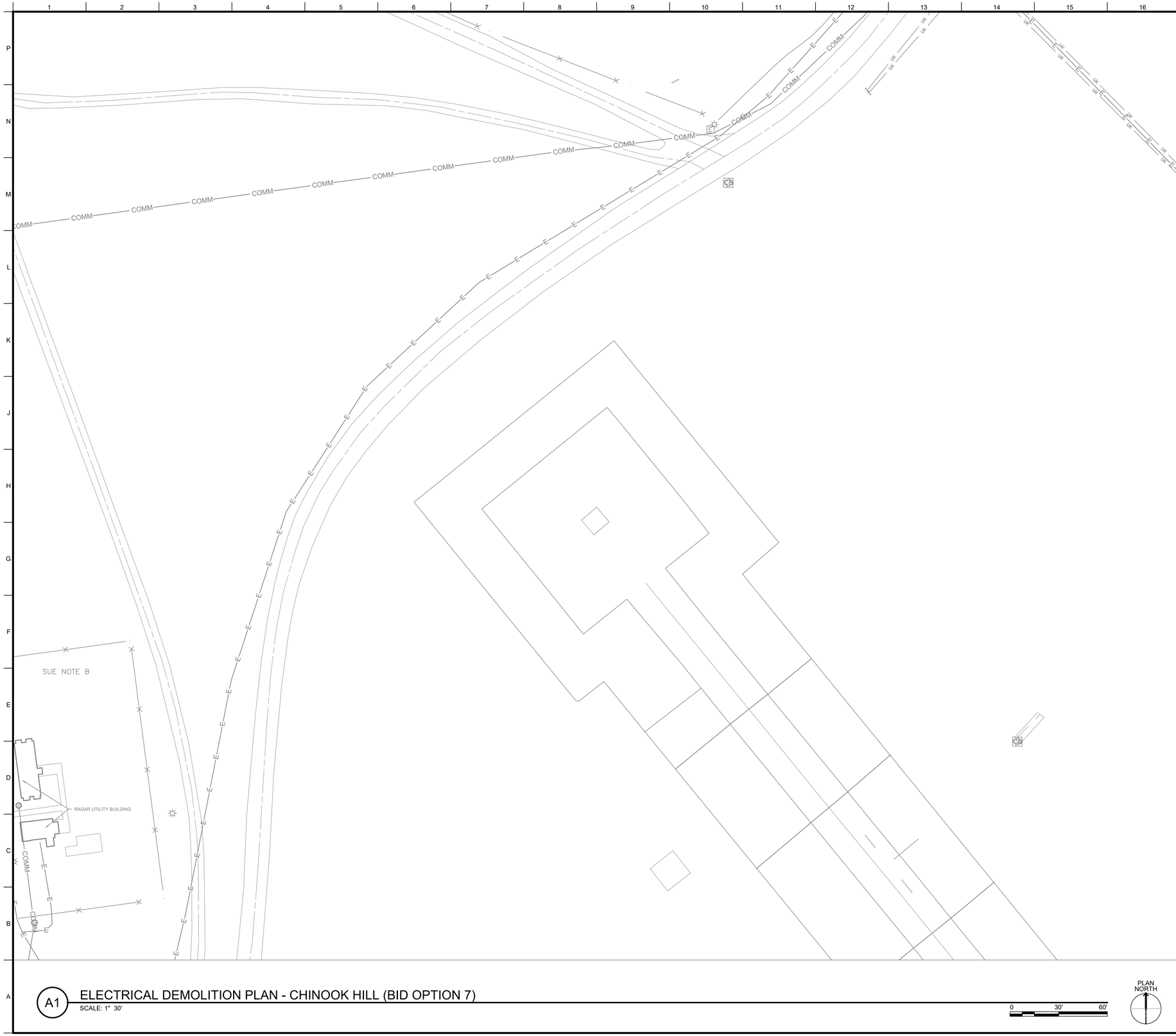
FORT RUCKER
REHABILITATE HELIPADS
AT CAIRNS FIELD

OVERALL ELECTRICAL SITE PLAN

SHEET ID

E-001

AMENDMENT NO. 0002



A1 ELECTRICAL DEMOLITION PLAN - CHINOOK HILL (BID OPTION 7)

SCALE: 1" 30'

0 30' 60'

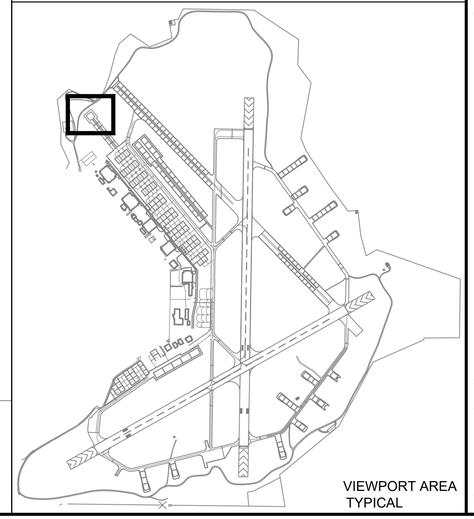
PLAN NORTH

GENERAL SHEET NOTES

1. NO ELECTRICAL DEMOLITION REQUIRED IN THIS AREA.

SHEET KEYNOTES

KEY MAP CAIRNS AAF



VIEWPORT AREA TYPICAL

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY: J.W. DUNSFORD	ISSUE DATE: JULY 2026
DRAWN BY: N.J.T. DODSON	SOLICITATION NO.: -
CHECKED BY: C.P. GUNN	CONTRACT NO.: -
SUBMITTED BY: J.L. SOARBROUGH	PROJECT NUMBER: MH172004
SIZE:	MHY25004 ED101

U.S. ARMY CORPS OF ENGINEERS
MOBILE DISTRICT
100 CANAL STREET
MOBILE, ALABAMA

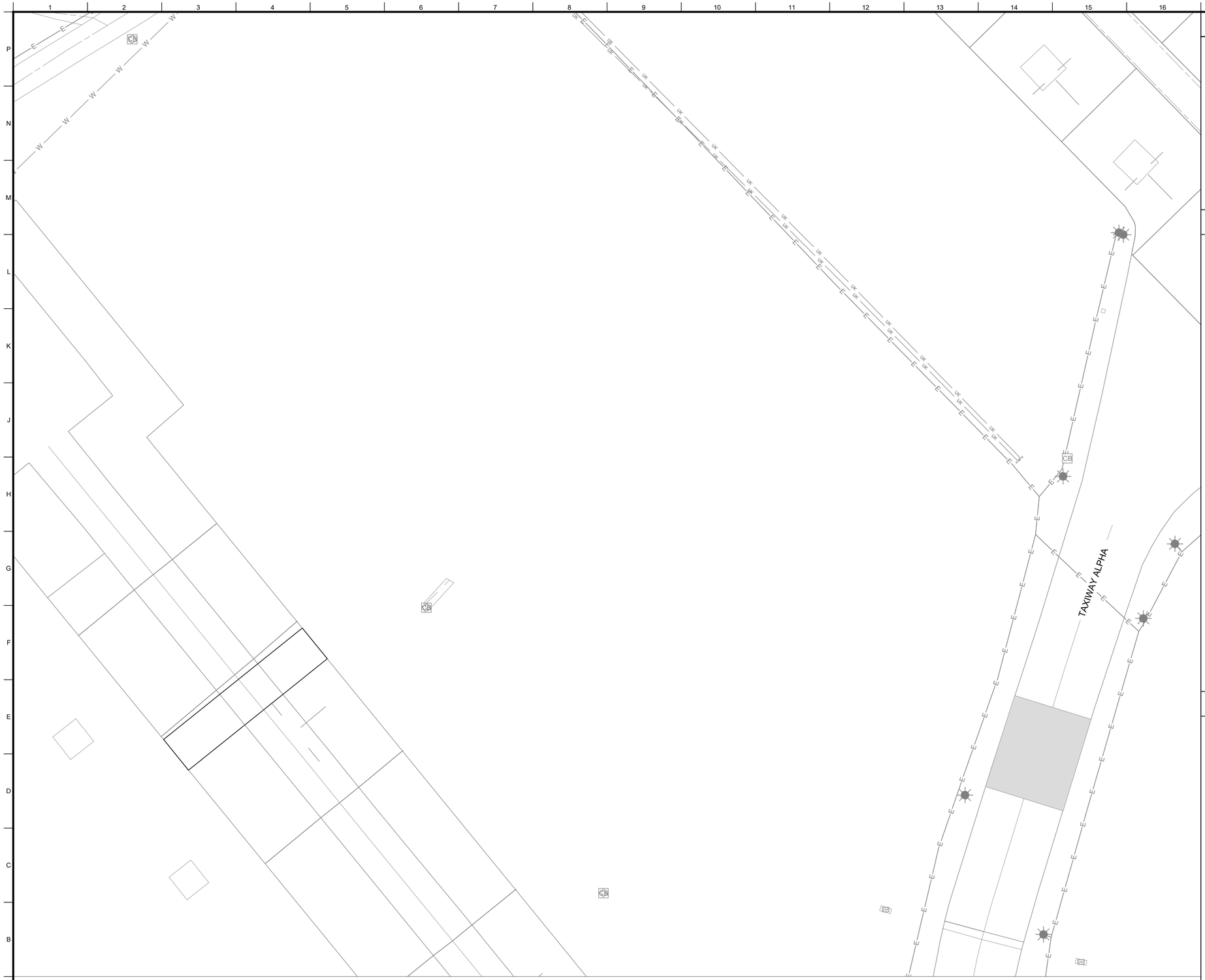
FORT RUCKER
REHABILITATE HELIPADS
AT CAIRNS FIELD

BID OPTION 7
ELECTRICAL
SITE DEMOLITION PLAN

SHEET ID

ED101

AMENDMENT NO. 0002



A1 ELECTRICAL DEMOLITION PLAN - ALPHA HELIPAD (BID OPTION 1)

SCALE: 1" 30'

0 30' 60'

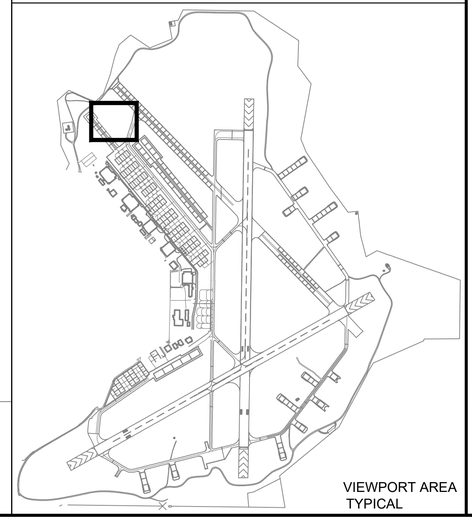
PLAN NORTH

GENERAL SHEET NOTES

1. NO ELECTRICAL DEMOLITION REQUIRED IN THIS AREA.

SHEET KEYNOTES

KEY MAP CAIRNS AAF



VIEWPORT AREA TYPICAL

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MARK	DESCRIPTION	DATE

ISSUE DATE:	JULY 2026
SOLICITATION NO.:	-
CONTRACT NO.:	-
PROJECT NUMBER:	MH172004
DESIGNED BY:	J.W. DUNSFORD
DRAWN BY:	N.J.T. DODSON
CHECKED BY:	C.P. GUNN
SUBMITTED BY:	J.L. SCARBROUGH
SIZE:	MHY25004 ED102

U.S. ARMY CORPS OF ENGINEERS
MOBILE DISTRICT
100 CANAL STREET
MOBILE, ALABAMA

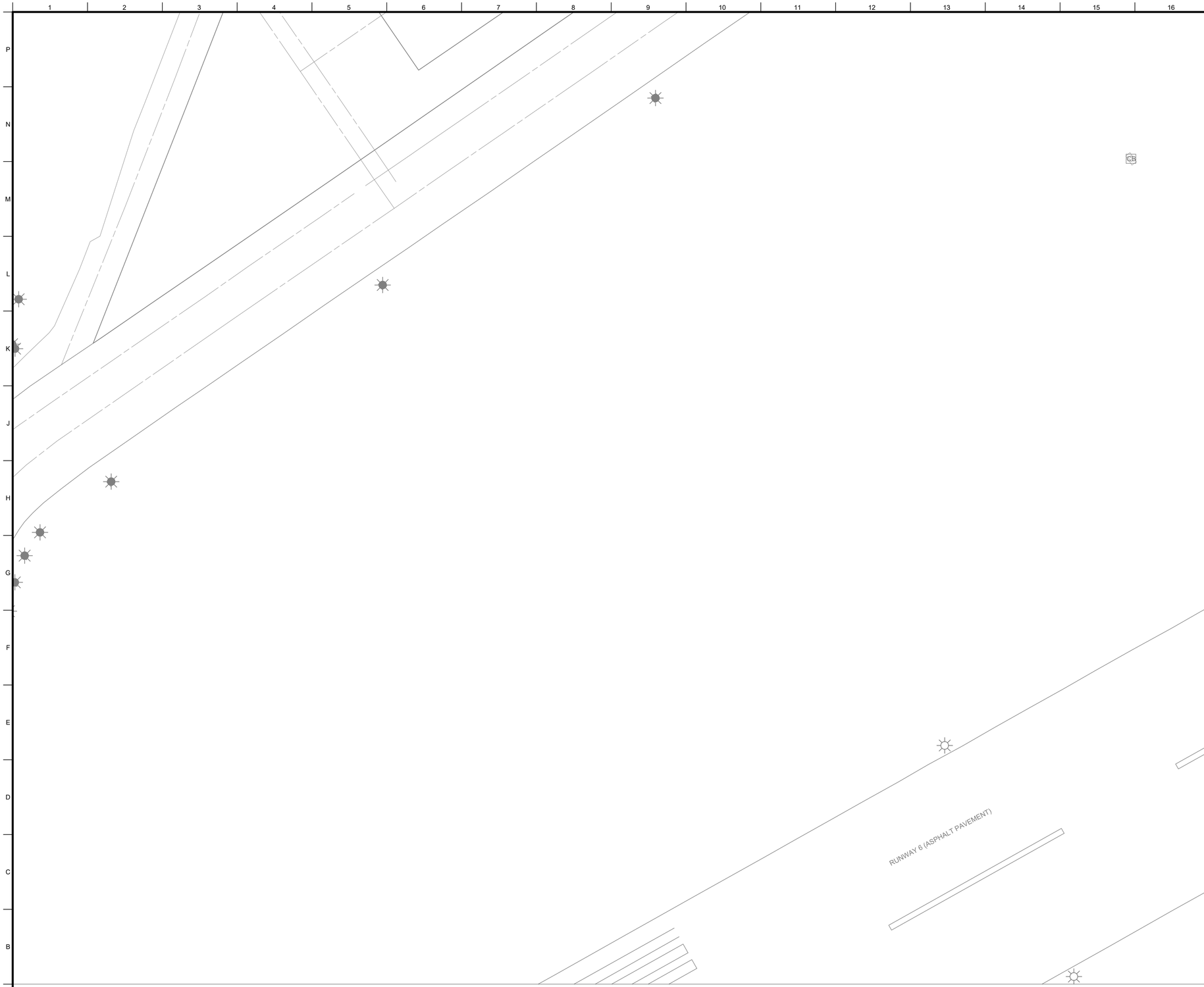
FORT RUCKER
REHABILITATE HELIPADS
AT CAIRNS FIELD

BID OPTION 1
ELECTRICAL
SITE DEMOLITION PLAN

SHEET ID

ED102

AMENDMENT NO. 0002



A1 ELECTRICAL DEMOLITIONSITE PLAN - CHARLIE (BID OPTION 2)
SCALE: 1" 30'

0 30' 60'

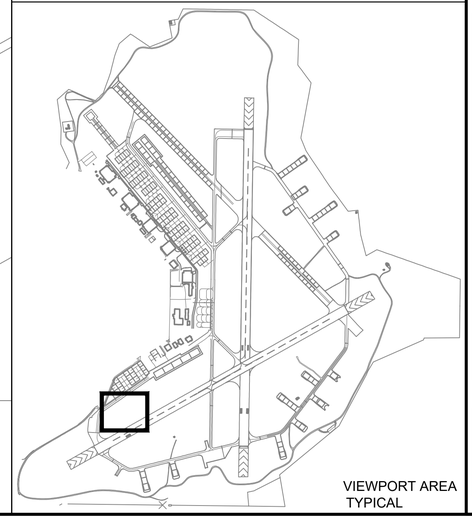
PLAN NORTH

GENERAL SHEET NOTES

1. NO ELECTRICAL DEMOLITION REQUIRED IN THIS AREA.

SHEET KEYNOTES

KEY MAP CAIRNS AAF



VIEWPORT AREA TYPICAL

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DRAWN BY: N.J.T. DODSON
CHECKED BY: C.P. GUNN
SUBMITTED BY: J.L. SCARBROUGH
SIZE: MHY25004 ED103
ISSUE DATE: JULY 2026
SOLICITATION NO.: -
CONTRACT NO.: -
PROJECT NUMBER: MH125004

U.S. ARMY CORPS OF ENGINEERS
MOBILE DISTRICT
100 CANAL STREET
MOBILE, ALABAMA

FORT RUCKER
REHABILITATE HELIPADS
AT CAIRNS FIELD

BID OPTION 2
ELECTRICAL
SITE DEMOLITION PLAN

SHEET ID
ED103

AMENDMENT NO. 0002

RUNWAY 36 (ASPHALT PAVEMENT)

A1 ELECTRICAL DEMOLITION SITE PLAN - BRAVO (BID OPTION 3)

SCALE: 1" 30'

0 30' 60'

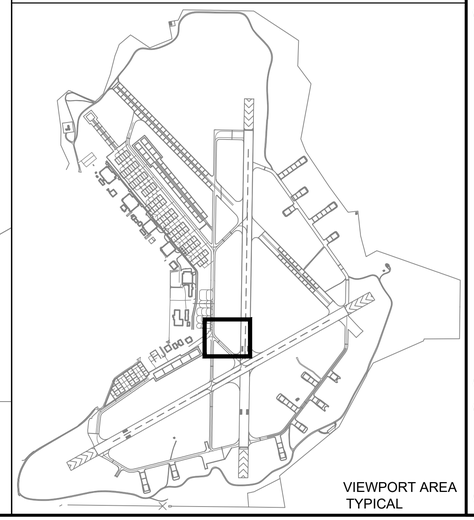
PLAN NORTH

GENERAL SHEET NOTES

1. NO ELECTRICAL DEMOLITION REQUIRED IN THIS AREA.

SHEET KEYNOTES

KEY MAP CAIRNS AAF



VIEWPORT AREA TYPICAL

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY:	ISSUE DATE:
J.W. DUNSFORD	JULY 2026
DRAWN BY:	SOLICITATION NO.:
N.J.T. DODSON	-
CHECKED BY:	CONTRACT NO.:
C.P. GUNN	-
SUBMITTED BY:	PROJECT NUMBER:
J.E. SCARBROUGH	MHY25004
SIZE:	MHY25004 ED104

U.S. ARMY CORPS OF ENGINEERS
MOBILE DISTRICT
109 CANAL STREET
MOBILE, ALABAMA

FORT RUCKER
REHABILITATE HELIPADS
AT CAIRNS FIELD

BID OPTION 3
ELECTRICAL
SITE DEMOLITION PLAN

SHEET ID

ED104

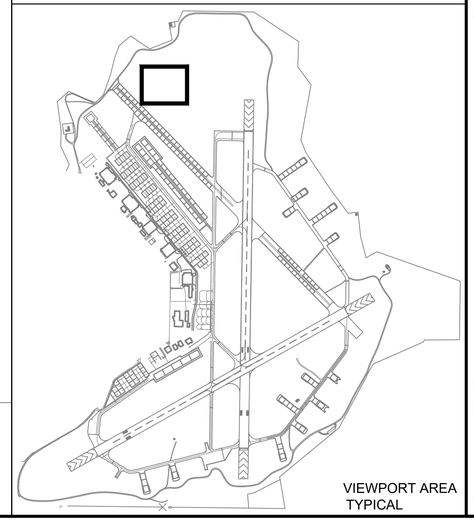
AMENDMENT NO. 0002

GENERAL SHEET NOTES

1. NO ELECTRICAL DEMOLITION REQUIRED IN THIS AREA.

SHEET KEYNOTES

KEY MAP CAIRNS AAF



VIEWPORT AREA TYPICAL

A1 ELECTRICAL DEMOLITION SITE PLAN - D1 (BASE BID)

SCALE: 1" 30'

0 30' 60'

PLAN NORTH

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY: J.W. DUNSFORD
DRAWN BY: N.J.T. DODSON
CHECKED BY: C.P. GUNN
SUBMITTED BY: J.L. SCARBROUGH
SIZE: MHY25004 ED105

ISSUE DATE: JULY 2026
SOLICITATION NO.: -
CONTRACT NO.: -
PROJECT NUMBER: MH125004

U.S. ARMY CORPS OF ENGINEERS
MOBILE DISTRICT
100 CANAL STREET
MOBILE, ALABAMA

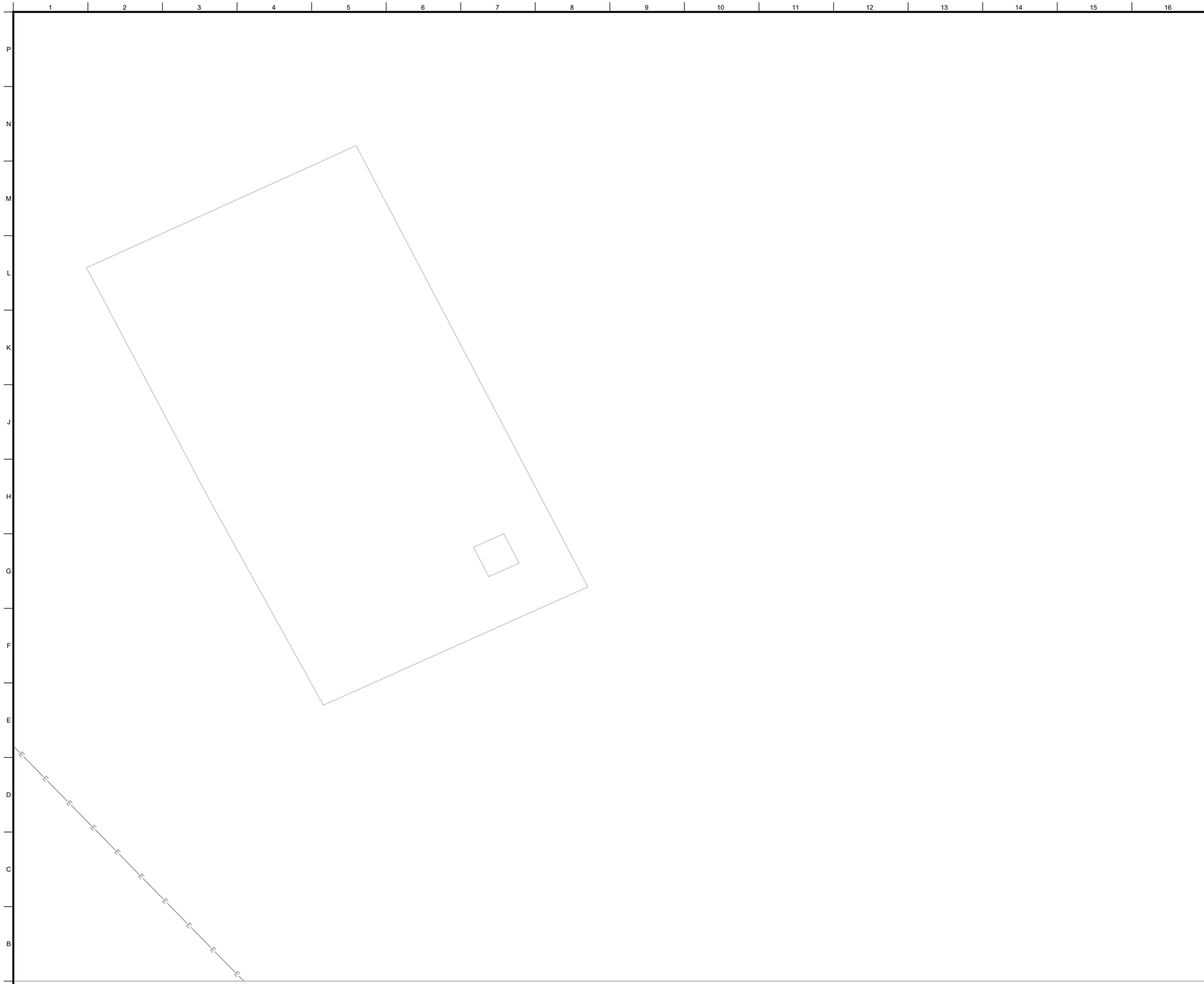
FORT RUCKER
REHABILITATE HELIPADS
AT CAIRNS FIELD

BASE BID
ELECTRICAL
SITE DEMOLITION PLAN

SHEET ID

ED105

AMENDMENT NO. 0002



A1 ELECTRICAL DEMOLITION SITE PLAN - D2 (BASE BID)
SCALE: 1" 30'

0 30' 60'

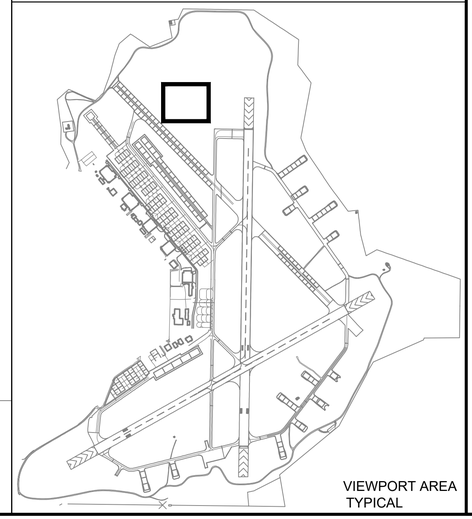
PLAN NORTH

GENERAL SHEET NOTES

1. NO ELECTRICAL DEMOLITION REQUIRED IN THIS AREA.

SHEET KEYNOTES

KEY MAP CAIRNS AAF



VIEWPORT AREA TYPICAL

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

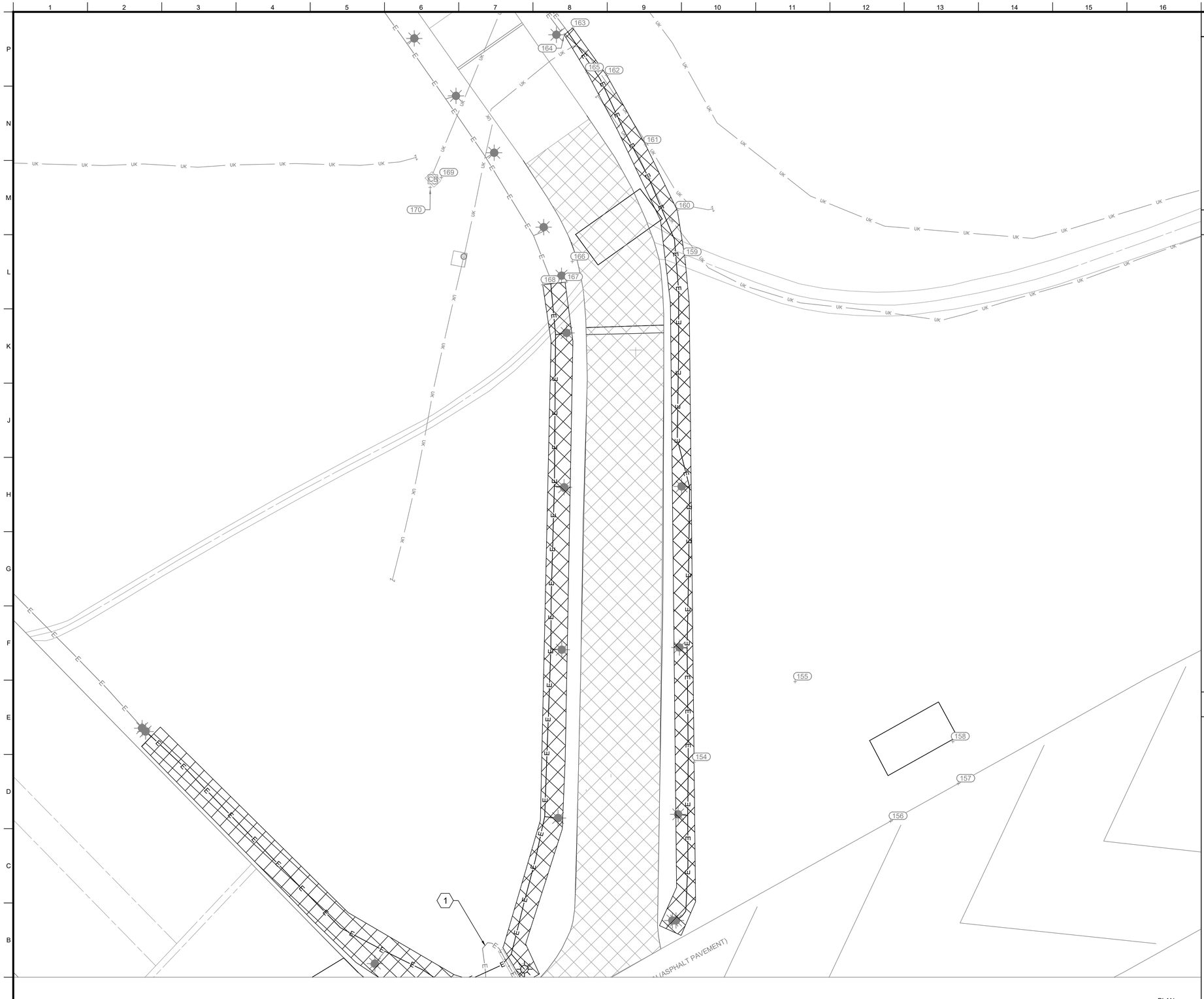
U.S. ARMY CORPS OF ENGINEERS
MOBILE DISTRICT
100 CANAL STREET
MOBILE, ALABAMA

DESIGNED BY: J.W. DUNSFORD
DRAWN BY: N.J.T. DODSON
CHECKED BY: C.P. GUNN
SUBMITTED BY: J.L. SCARBROUGH
SIZE: MHY25004 ED106
ISSUE DATE: JULY 2026
SOLICITATION NO.: -
CONTRACT NO.: -
PROJECT NUMBER: MHY25004

FORT RUCKER
REHABILITATE HELIPADS
AT CAIRNS FIELD

BASE BID
ELECTRICAL
SITE DEMOLITION PLAN

SHEET ID
ED106



GENERAL SHEET NOTES

1. ALL REMOVED MATERIALS SHALL BECOME THE PROPERTY OF THE CONTRACTOR UNLESS NOTED OTHERWISE.
2. DISCONNECT AND REMOVE ALL HATCHED FIXTURES AND BASES.
3. DISCONNECT AND REMOVE ALL HATCHED CONDUITS AND CONDUCTORS BACK TO THE NEXT LIGHT FIXTURE BASE TO REMAIN UNLESS KEYNOTED OTHERWISE.

SHEET KEYNOTES

1. EXISTING THRESHOLD LIGHT BAR AND RUNWAY LIGHTING CIRCUIT TO REMAIN.

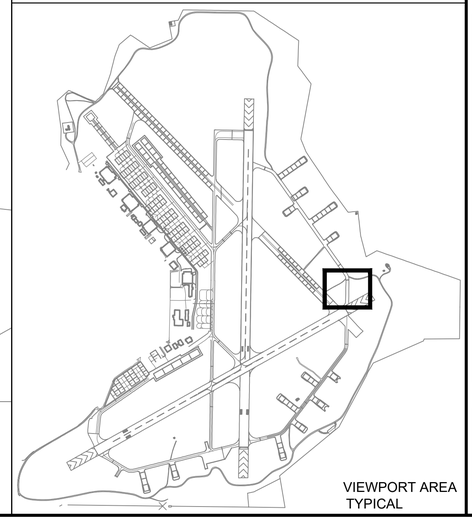
A1 ELECTRICAL DEMOLITION SITE PLAN - ECHO (BID OPTION 4)

SCALE: 1" 30'

0 30' 60'

PLAN NORTH

KEY MAP CAIRNS AAF



VIEWPORT AREA TYPICAL

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY: J.W. DUNSFORD
DRAWN BY: N.J.T. DODSON
CHECKED BY: C.P. GUNN
SUBMITTED BY: J.L. SCARBROUGH
ISSUE DATE: JULY 2026
SOLICITATION NO.: -
CONTRACT NO.: -
PROJECT NUMBER: MH172004
SIZE: MHX25004 ED107

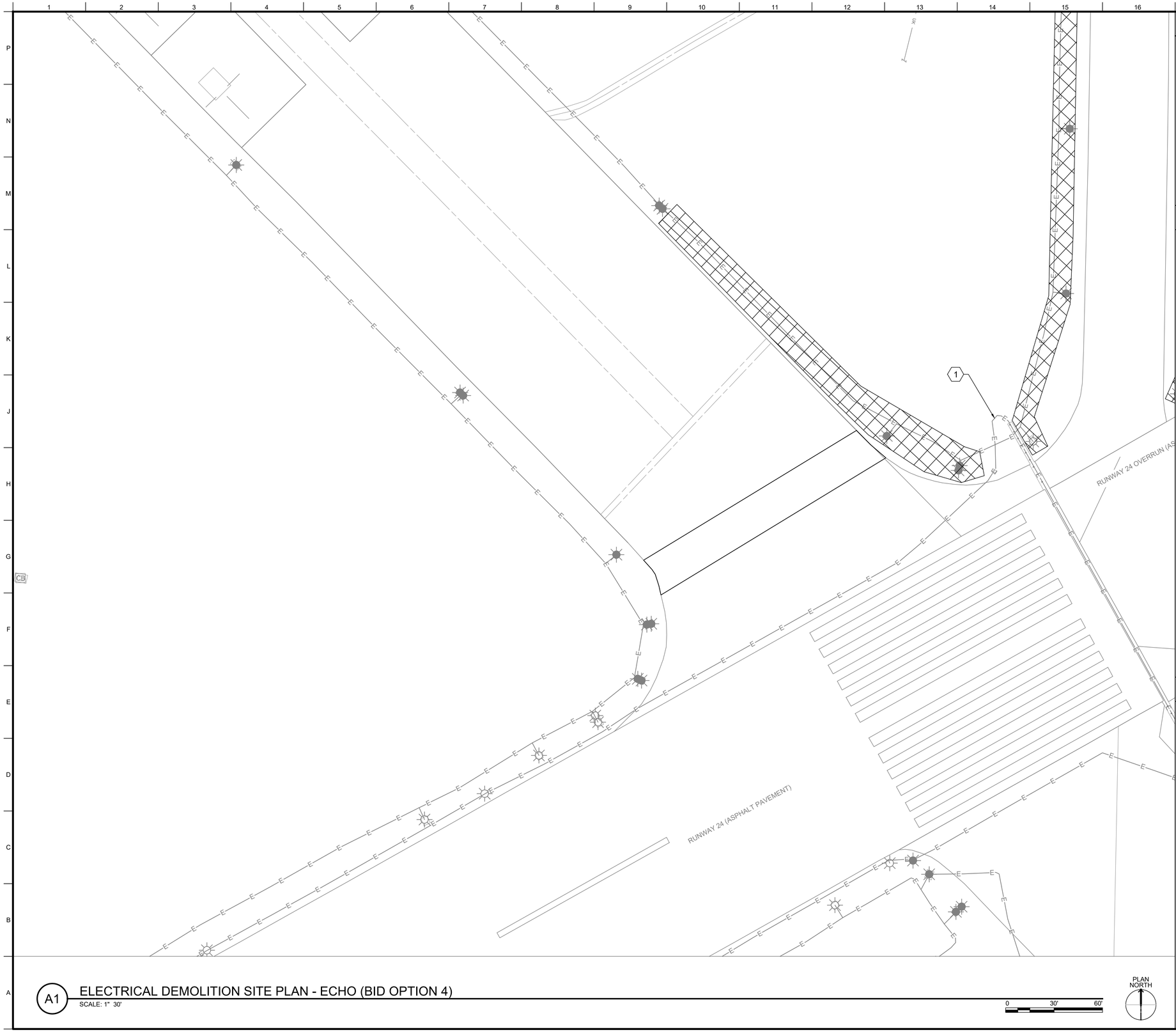
U.S. ARMY CORPS OF ENGINEERS
MOBILE DISTRICT
109 CANAL STREET
MOBILE, ALABAMA

FORT RUCKER
REHABILITATE HELIPADS
AT CAIRNS FIELD

BID OPTION 4
ELECTRICAL
SITE DEMOLITION PLAN

SHEET ID
ED107

AMENDMENT NO. 0002



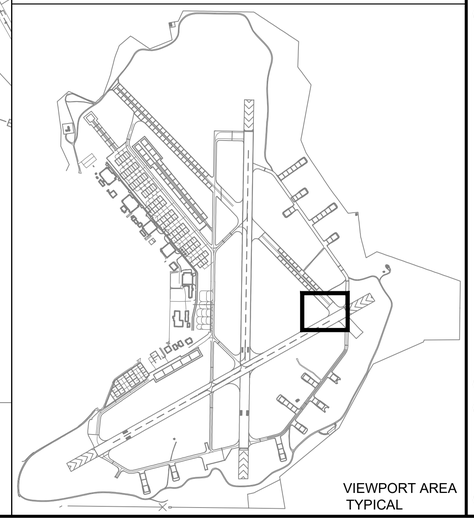
GENERAL SHEET NOTES

1. ALL REMOVED MATERIALS SHALL BECOME THE PROPERTY OF THE CONTRACTOR UNLESS NOTED OTHERWISE.
2. DISCONNECT AND REMOVE ALL HATCHED FIXTURES AND BASES.
3. DISCONNECT AND REMOVE ALL HATCHED CONDUITS AND CONDUCTORS BACK TO THE NEXT LIGHT FIXTURE BASE TO REMAIN UNLESS KEYNOTED OTHERWISE.

SHEET KEYNOTES

1. EXISTING THRESHOLD LIGHT BAR AND RUNWAY LIGHTING CIRCUIT TO REMAIN.

KEY MAP CAIRNS AAF



VIEWPORT AREA TYPICAL

A1 ELECTRICAL DEMOLITION SITE PLAN - ECHO (BID OPTION 4)

SCALE: 1" 30'

0 30' 60'

PLAN NORTH

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY: J.W. DUNSFORD	ISSUE DATE: JULY 2026
DRAWN BY: N.J.T. DODSON	SOLICITATION NO.: -
CHECKED BY: C.P. GUNN	CONTRACT NO.: -
SUBMITTED BY: J.L. SOARBOROUGH	PROJECT NUMBER: MH172004
	SIZE: MHX25004 ED108

U.S. ARMY CORPS OF ENGINEERS
MOBILE DISTRICT
100 CANAL STREET
MOBILE, ALABAMA

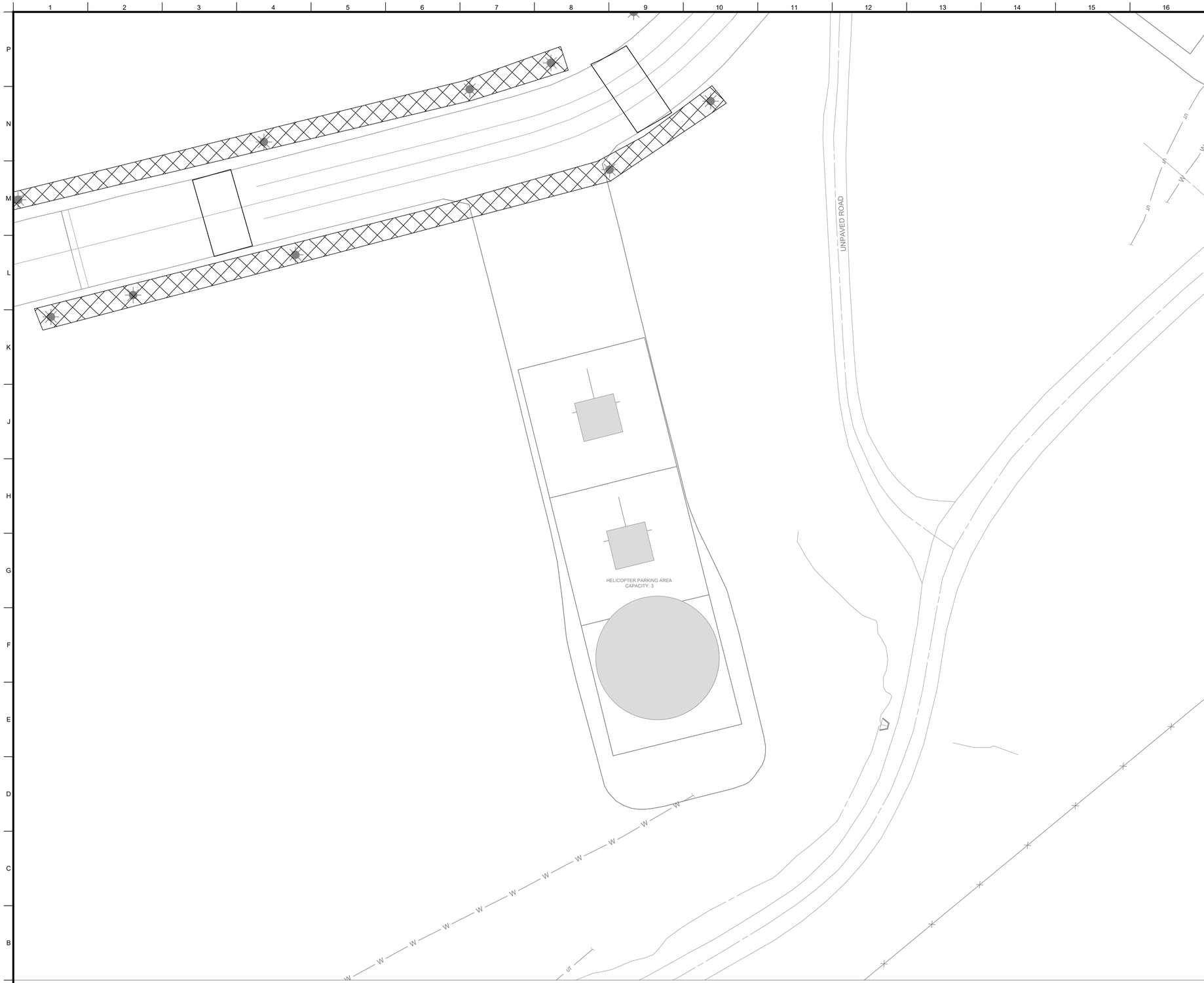
FORT RUCKER
REHABILITATE HELIPADS
AT CAIRNS FIELD

BID OPTION 4
ELECTRICAL
SITE DEMOLITION PLAN

SHEET ID

ED108

AMENDMENT NO. 0002

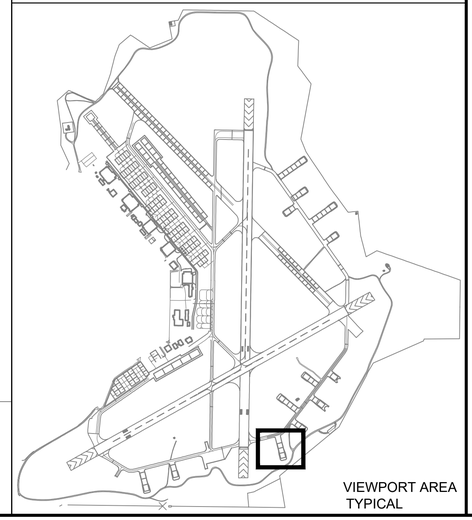


GENERAL SHEET NOTES

1. ALL REMOVED MATERIALS SHALL BECOME THE PROPERTY OF THE CONTRACTOR UNLESS NOTED OTHERWISE.
2. DISCONNECT AND REMOVE ALL HATCHED FIXTURES AND BASES.
3. DISCONNECT AND REMOVE ALL HATCHED CONDUITS AND CONDUCTORS BACK TO THE NEXT LIGHT FIXTURE BASE TO REMAIN UNLESS KEYNOTED OTHERWISE.

SHEET KEYNOTES

KEY MAP CAIRNS AAF



VIEWPORT AREA TYPICAL

A1 ELECTRICAL DEMOLITION SITE PLAN - FOXTROT (BID OPTION 6)

SCALE: 1" 30'

0 30' 60'

PLAN NORTH

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY: J.W. DUNSFORD
DRAWN BY: N.J.T. DODSON
CHECKED BY: C.P. GUNN
SUBMITTED BY: J.L. SCARBROUGH
SIZE: MHY25004 ED109

ISSUE DATE: JULY 2026
SOLICITATION NO.: -
CONTRACT NO.: -
PROJECT NUMBER: MHY25004

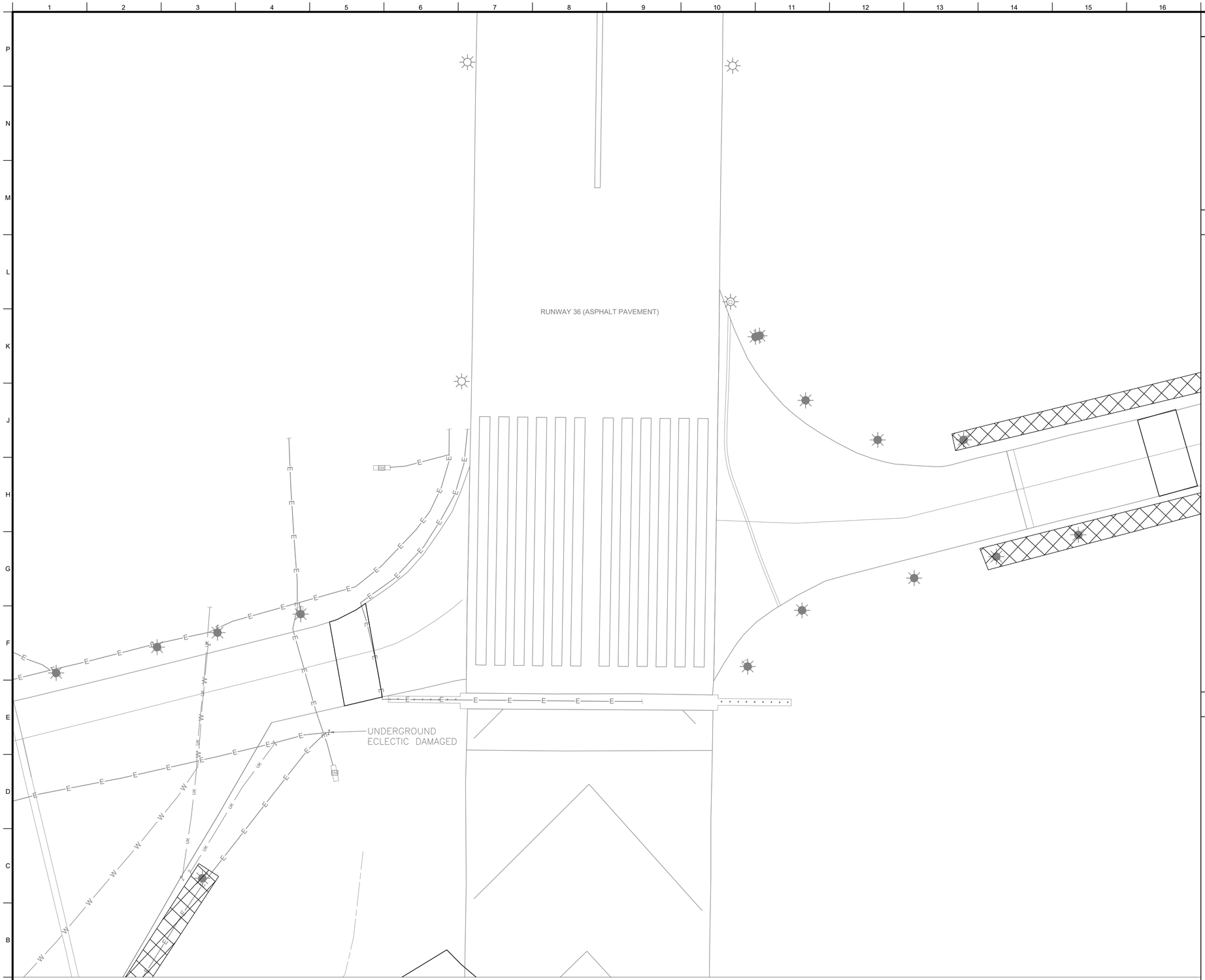
U.S. ARMY CORPS OF ENGINEERS
MOBILE DISTRICT
100 CANAL STREET
MOBILE, ALABAMA

FORT RUCKER
REHABILITATE HELIPADS
AT CAIRNS FIELD

BID OPTION 6
ELECTRICAL SITE
DEMOLITION PLAN

SHEET ID
ED109

AMENDMENT NO. 0002



A1 ELECTRICAL DEMOLITION SITE PLAN - GOLF (BID OPTION 5) AND FOXTROT (BID OPTION 6)

SCALE: 1" 30'

0 30' 60'

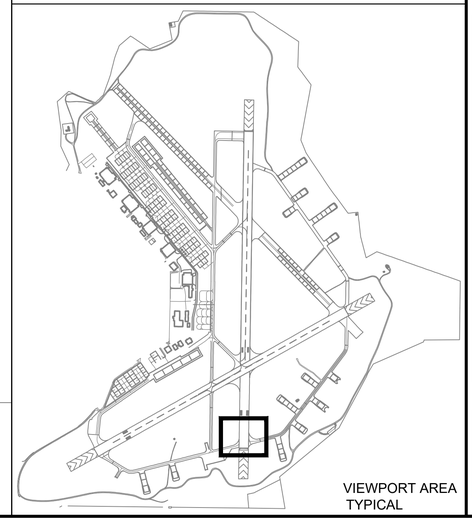
PLAN NORTH

GENERAL SHEET NOTES

1. ALL REMOVED MATERIALS SHALL BECOME THE PROPERTY OF THE CONTRACTOR UNLESS NOTED OTHERWISE.
2. DISCONNECT AND REMOVE ALL HATCHED FIXTURES AND BASES.
3. DISCONNECT AND REMOVE ALL HATCHED CONDUITS AND CONDUCTORS BACK TO THE NEXT LIGHT FIXTURE BASE TO REMAIN UNLESS KEYNOTED OTHERWISE.
4. CONTRACTOR SHALL ALLOCATE THE ELECTRICAL SCOPE OF WORK AS FOLLOWS FOR BIDDING PURPOSES: ELECTRICAL WORK WEST OF RUNWAY 18-36 (HELIPAD GOLF) IS ALLOCATED TO BID OPTION 5. ELECTRICAL WORK EAST OF RUNWAY 18-36 (HELIPAD FOXTROT) IS ALLOCATED TO BID OPTION 6.

SHEET KEYNOTES

KEY MAP CAIRNS AAF



VIEWPORT AREA TYPICAL

US Army Corps of Engineers®

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DESIGNED BY:	ISSUE DATE:
J.W. DUNSFORD	JULY 2026
DRAWN BY:	SOLICITATION NO.:
N.J.T. DODSON	-
CHECKED BY:	CONTRACT NO.:
C.P. GUNN	-
SUBMITTED BY:	PROJECT NUMBER:
J.E. SCARBROUGH	MHY25004
SIZE:	MHY25004 ED110

U.S. ARMY CORPS OF ENGINEERS
MOBILE DISTRICT
100 CANAL STREET
MOBILE, ALABAMA

FORT RUCKER
REHABILITATE HELIPADS
AT CAIRNS FIELD

BID OPTION 5 & 6
ELECTRICAL
SITE DEMOLITION PLAN

SHEET ID

ED110

AMENDMENT NO. 0002

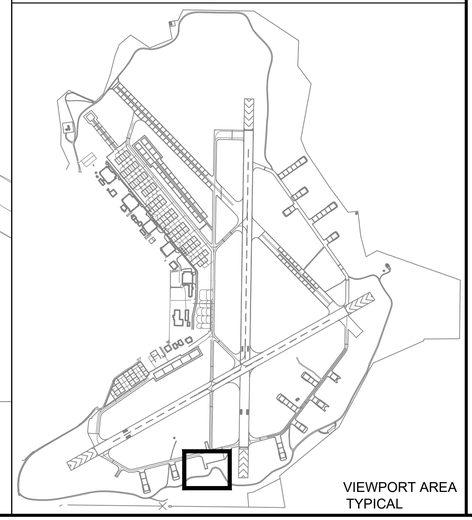


GENERAL SHEET NOTES

1. ALL REMOVED MATERIALS SHALL BECOME THE PROPERTY OF THE CONTRACTOR UNLESS NOTED OTHERWISE.
2. DISCONNECT AND REMOVE ALL HATCHED FIXTURES AND BASES.
3. DISCONNECT AND REMOVE ALL HATCHED CONDUITS AND CONDUCTORS BACK TO THE NEXT LIGHT FIXTURE BASE TO REMAIN UNLESS KEYNOTED OTHERWISE.

SHEET KEYNOTES

KEY MAP CAIRNS AAF



VIEWPORT AREA TYPICAL

A1 ELECTRICAL DEMOLITION SITE PLAN - GOLF (BID OPTION 5)
SCALE: 1" 30'

0 30' 60'

PLAN NORTH

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY: J.W. DUNSFORD
DRAWN BY: N.J.T. DODSON
CHECKED BY: C.P. GUNN
SUBMITTED BY: J.L. SOARDROUGH
SIZE: MHY25004 ED111

ISSUE DATE: JULY 2026
SOLICITATION NO.: -
CONTRACT NO.: -
PROJECT NUMBER: MH125004

U.S. ARMY CORPS OF ENGINEERS
MOBILE DISTRICT
100 CANAL STREET
MOBILE, ALABAMA

FORT RUCKER
REHABILITATE HELIPADS
AT CAIRNS FIELD

BID OPTION 5
ELECTRICAL SITE
DEMOLITION PLAN

SHEET ID
ED111

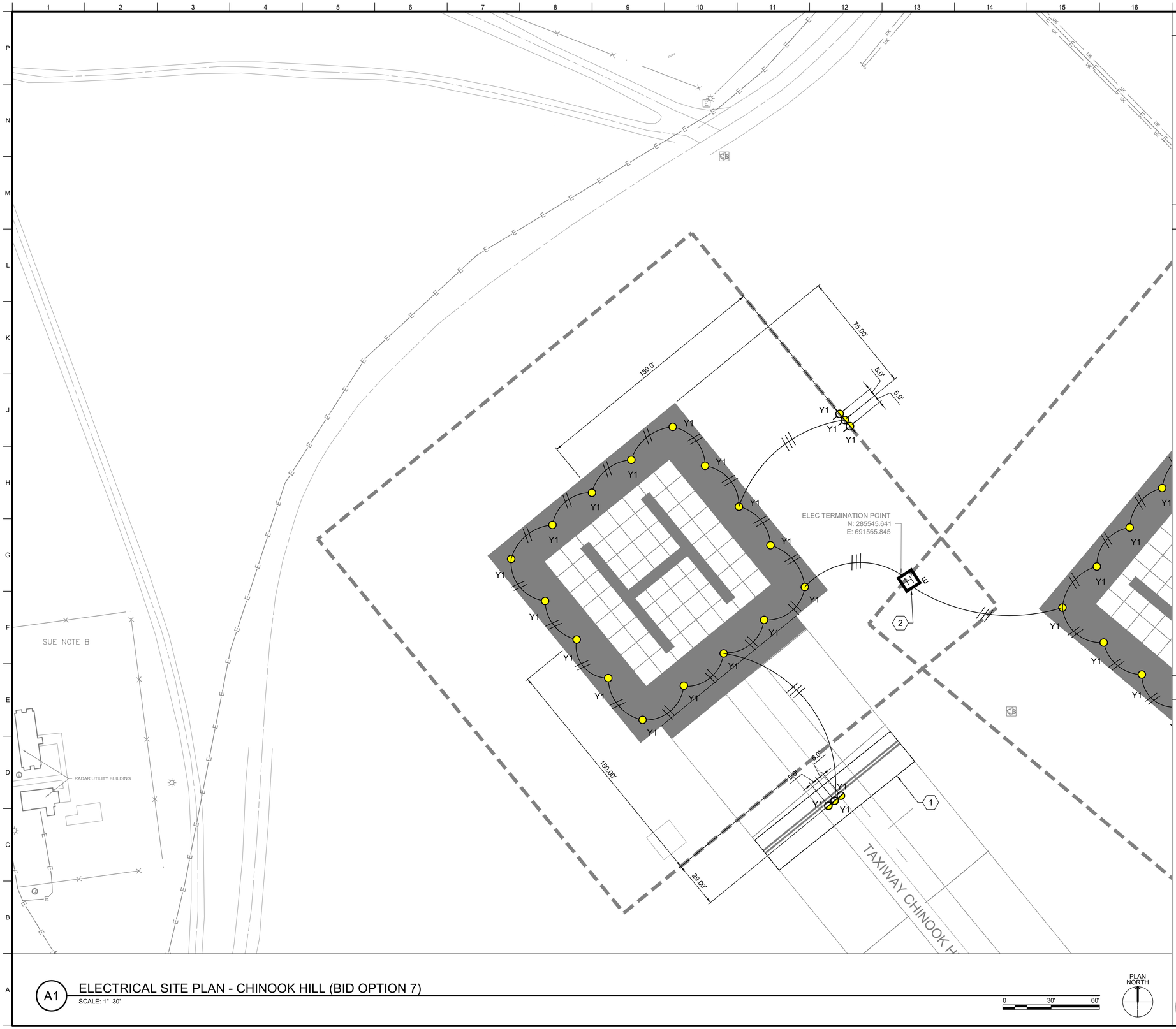
AMENDMENT NO. 0002

GENERAL SHEET NOTES

1. NEW HELIPAD LIGHTING WILL BE CONNECTED TO AND CONTROLLED BY THE CORRESPONDING TAXIWAY OR HOVER LANE CIRCUIT.
2. SEE SHEET ES501 DETAIL H14 FOR HELIPAD PERIMETER LIGHT SPACING AND REQUIREMENTS.

SHEET KEYNOTES

1. CUT AND PATCH EXISTING ASPHALT PAVEMENT TO INSTALL NEW HOLD LIGHTS.
2. NEW HANDHOLE IS INCLUDED IN BID OPTION 1. SEE SHEET ES102.

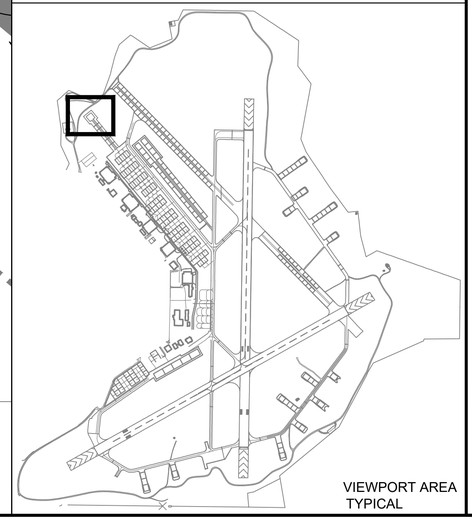


A1 ELECTRICAL SITE PLAN - CHINOOK HILL (BID OPTION 7)
SCALE: 1" 30'

0 30' 60'

PLAN NORTH

KEY MAP CAIRNS AAF



VIEWPORT AREA TYPICAL

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY:	J.W. DUNSFORD
DRAWN BY:	N.J.T. DODSON
CHECKED BY:	C.P. GUNN
SUBMITTED BY:	J.L. SCARBROUGH
SIZE:	ANSI D
ISSUE DATE:	JULY 2026
SOLICITATION NO.:	-
CONTRACT NO.:	-
PROJECT NUMBER:	MHY172004
	MHY25004 ES101

U.S. ARMY CORPS OF ENGINEERS
MOBILE DISTRICT
109 CANAL STREET
MOBILE, ALABAMA

FORT RUCKER
REHABILITATE HELIPADS
AT CAIRNS FIELD

BID OPTION 7
ELECTRICAL
SITE PLAN

SHEET ID
ES101

AMENDMENT NO. 0002

GENERAL SHEET NOTES

1. NEW HELIPAD LIGHTING WILL BE CONNECTED TO AND CONTROLLED BY THE CORRESPONDING TAXIWAY OR HOVER LANE CIRCUIT.
2. SEE SHEET ES501 DETAIL H14 FOR HELIPAD PERIMETER LIGHT SPACING AND REQUIREMENTS.

SHEET KEYNOTES

1. SPLICE INTO TAXIWAY ALPHA LIGHTING CIRCUIT IN THIS LIGHT BASE.
2. NEW HANDHOLE.

ELEC TERMINATION POINT
N: 285545.641
E: 691565.845

ELEC TERMINATION POINT
N: 285347.004
E: 691960.875

75.00'
150.0'
5.0'
5.0'
5.0'
5.0'
75.00'
150.0'

TAXIWAY CHINOOK HILL
TAXIWAY ALPHA

A1 ELECTRICAL SITE PLAN - ALPHA (BID OPTION 1)
SCALE: 1" 30'

0 30' 60'

PLAN NORTH

KEY MAP CAIRNS AAF

VIEWPORT AREA TYPICAL

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

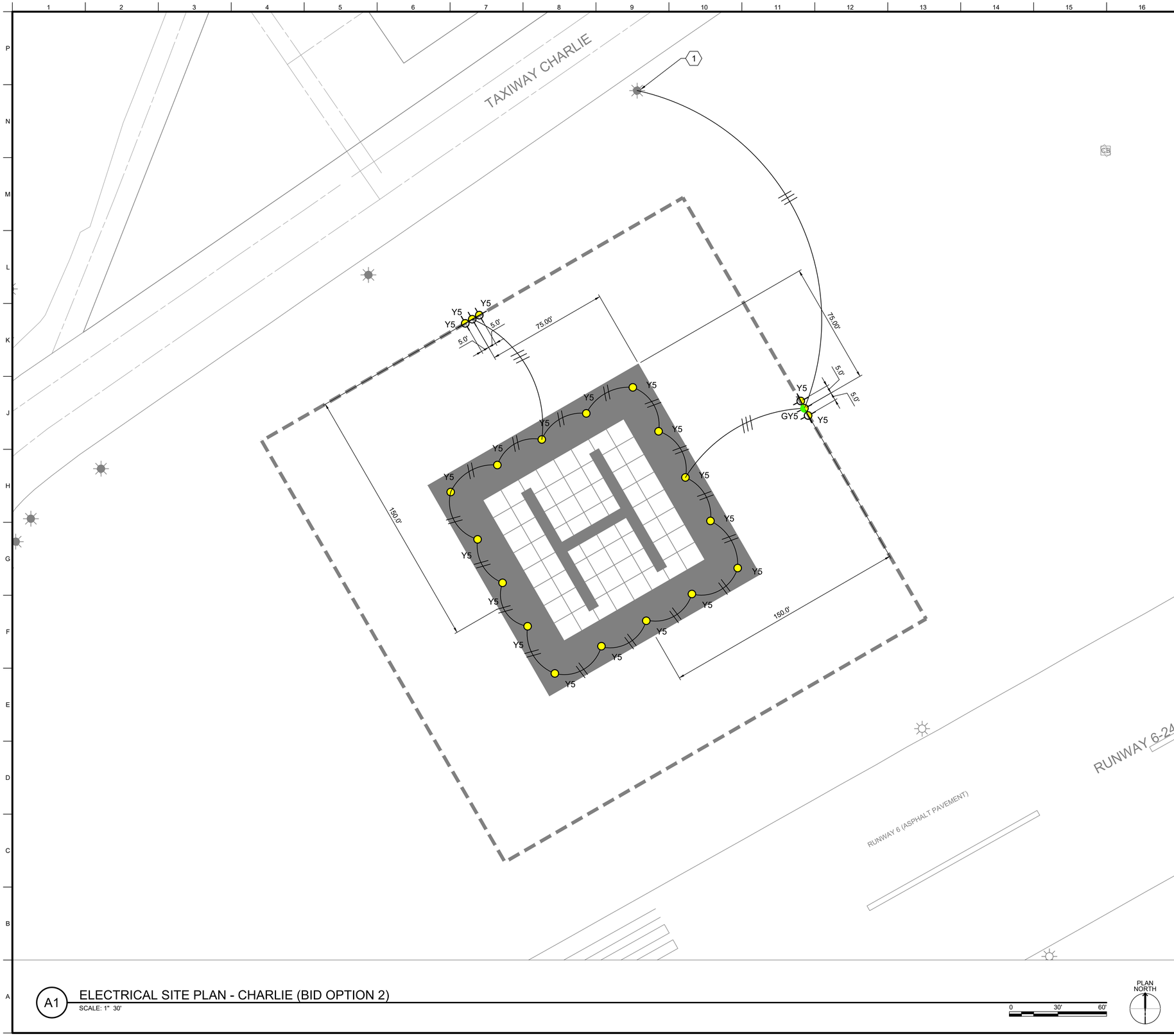
ISSUE DATE:	JULY 2026
SOLICITATION NO.:	-
CONTRACT NO.:	-
PROJECT NUMBER:	MHY25004
DESIGNED BY:	J.W. DUNSFORD
DRAWN BY:	N.J.T. DODSON
CHECKED BY:	C.P. GUNN
SUBMITTED BY:	J.E. SCARBROUGH
SIZE:	MHY25004 ES102

U.S. ARMY CORPS OF ENGINEERS
MOBILE DISTRICT
109 CANAL STREET
MOBILE, ALABAMA

FORT RUCKER
REHABILITATE HELIPADS
AT CAIRNS FIELD

BID OPTION 1
ELECTRICAL
SITE PLAN

SHEET ID
ES102



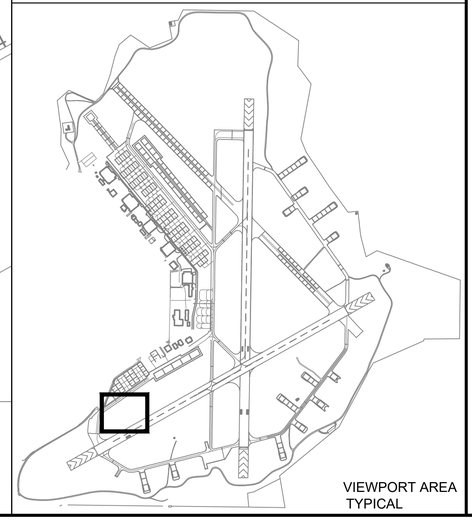
GENERAL SHEET NOTES

1. NEW HELIPAD LIGHTING WILL BE CONNECTED TO AND CONTROLLED BY THE CORRESPONDING TAXIWAY OR HOVER LANE CIRCUIT.
2. SEE SHEET ES501 DETAIL H14 FOR HELIPAD PERIMETER LIGHT SPACING AND REQUIREMENTS.

SHEET KEYNOTES

1. SPLICE INTO TAXIWAY CHARLIE LIGHTING CIRCUIT IN THIS LIGHT BASE.

KEY MAP CAIRNS AAF



VIEWPORT AREA TYPICAL

A1 ELECTRICAL SITE PLAN - CHARLIE (BID OPTION 2)
SCALE: 1" 30'

0 30' 60'

PLAN NORTH

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY: J.W. DUNSFORD
DRAWN BY: N.J.T. DODSON
CHECKED BY: C.P.GUNN
SUBMITTED BY: J.L. SCARBROUGH
SIZE: MHY25004 ES103
ISSUE DATE: JULY 2026
SOLICITATION NO.: -
CONTRACT NO.: -
PROJECT NUMBER: MH125004

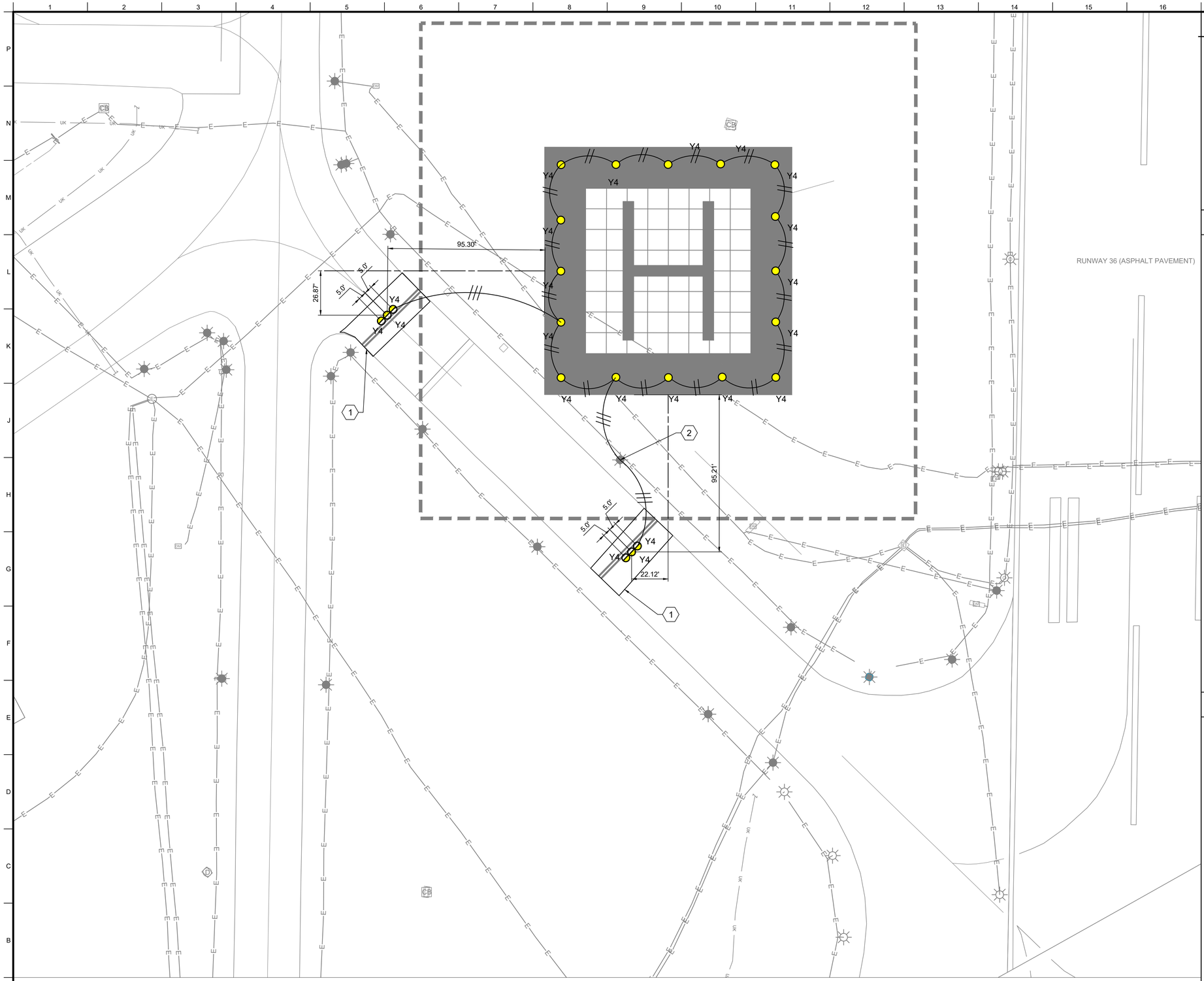
U.S. ARMY CORPS OF ENGINEERS
MOBILE DISTRICT
100 CANAL STREET
MOBILE, ALABAMA

FORT RUCKER
REHABILITATE HELIPADS
AT CAIRNS FIELD

BID OPTION 2
ELECTRICAL
SITE PLAN

SHEET ID
ES103

AMENDMENT NO. 0002



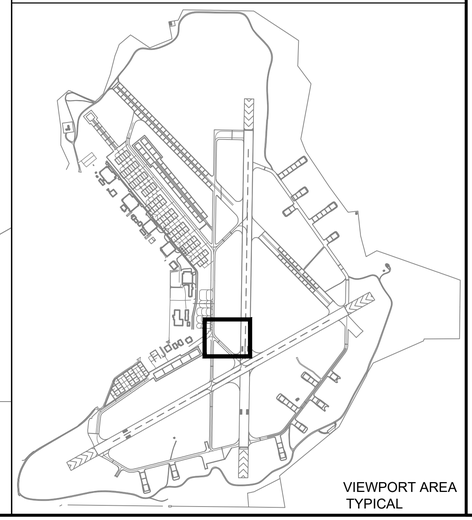
GENERAL SHEET NOTES

1. NEW HELIPAD LIGHTING WILL BE CONNECTED TO AND CONTROLLED BY THE CORRESPONDING TAXIWAY OR HOVER LANE CIRCUIT.
2. SEE SHEET ES501 DETAIL H14 FOR HELIPAD PERIMETER LIGHT SPACING AND REQUIREMENTS.

SHEET KEYNOTES

1. CUT AND PATCH EXISTING ASPHALT PAVEMENT TO INSTALL NEW LIGHT BASES.
2. SPLICE INTO TAXIWAY BRAVO LIGHTING CIRCUIT IN THIS LIGHT BASE.

KEY MAP CAIRNS AAF



VIEWPORT AREA TYPICAL

A1 ELECTRICAL SITE PLAN - BRAVO (BID OPTION 3)

SCALE: 1" 30'

0 30' 60'

PLAN NORTH

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

U.S. ARMY CORPS OF ENGINEERS
MOBILE DISTRICT
100 CANAL STREET
MOBILE, ALABAMA

DESIGNED BY:	J.W. DUNSFORD
DRAWN BY:	N.J.T. DODSON
CHECKED BY:	C.P. GUNN
SUBMITTED BY:	J.L. SCARBROUGH
SIZE:	MHY25004 ES104
ISSUE DATE:	JULY 2026
SOLICITATION NO.:	-
CONTRACT NO.:	-
PROJECT NUMBER:	MHY25004

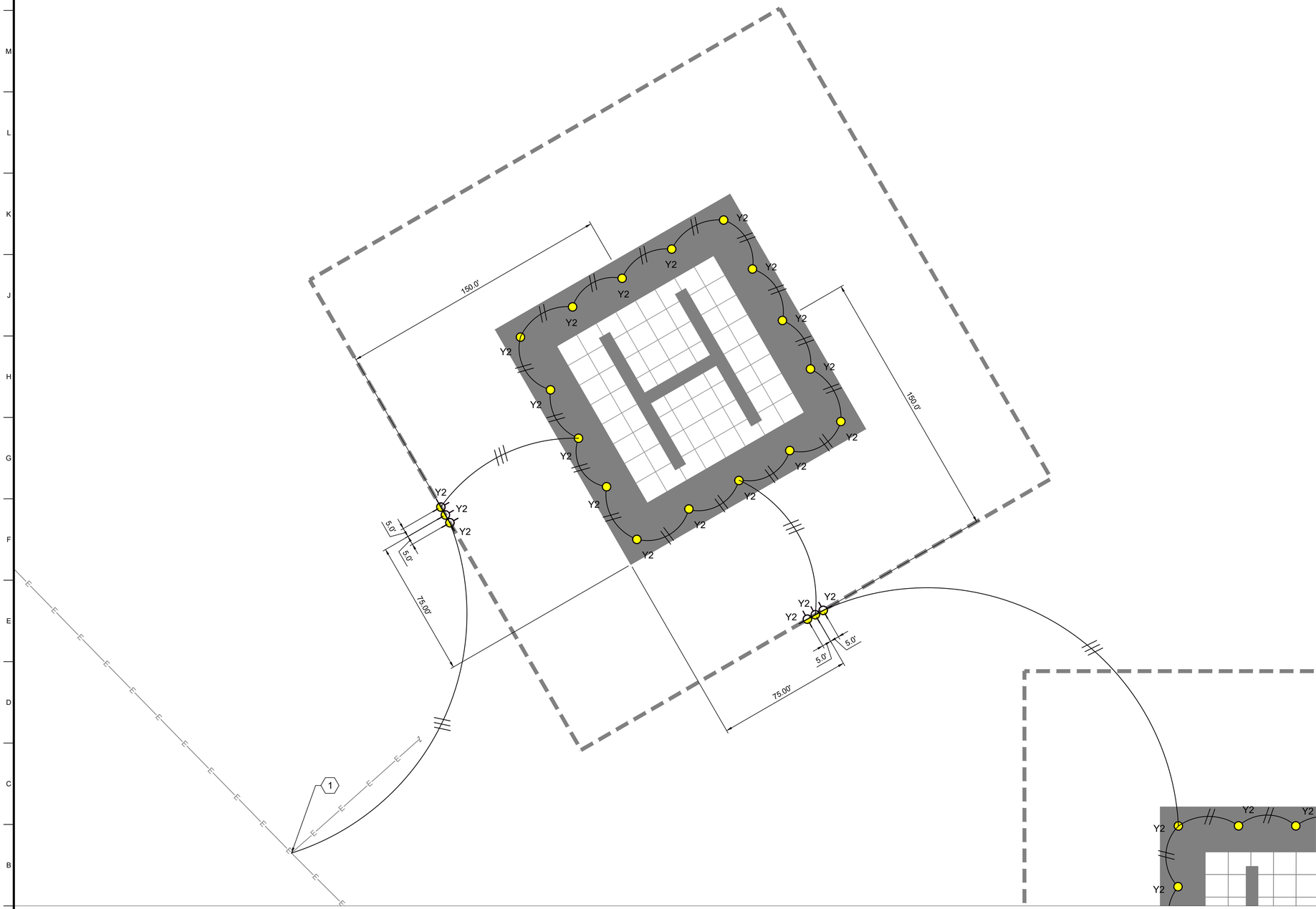
FORT RUCKER
REHABILITATE HELIPADS
AT CAIRNS FIELD

BID OPTION 3
ELECTRICAL
SITE PLAN

SHEET ID

ES104

AMENDMENT NO. 0002



A1 ELECTRICAL SITE PLAN - D1 (BASE BID)
SCALE: 1" 30'

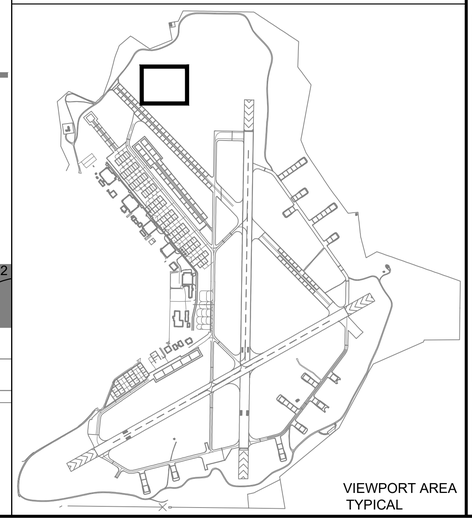
GENERAL SHEET NOTES

1. NEW HELIPAD LIGHTING WILL BE CONNECTED TO AND CONTROLLED BY THE CORRESPONDING TAXIWAY OR HOVER LANE CIRCUIT.
2. SEE SHEET ES501 DETAIL H14 FOR HELIPAD PERIMETER LIGHT SPACING AND REQUIREMENTS.

SHEET KEYNOTES

1. SPLICE INTO HOVERLANE DELTA LIGHTING CIRCUIT IN THIS LIGHT BASE.

KEY MAP CAIRNS AAF



VIEWPORT AREA TYPICAL

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

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DRAWN BY: N.J.T. DODSON
CHECKED BY: C.P. GUNN
SUBMITTED BY: J.L. SOARBROUGH
ISSUE DATE: JULY 2026
SOLICITATION NO.: -
CONTRACT NO.: -
PROJECT NUMBER: MH172004
SIZE: MHY25004 ES105

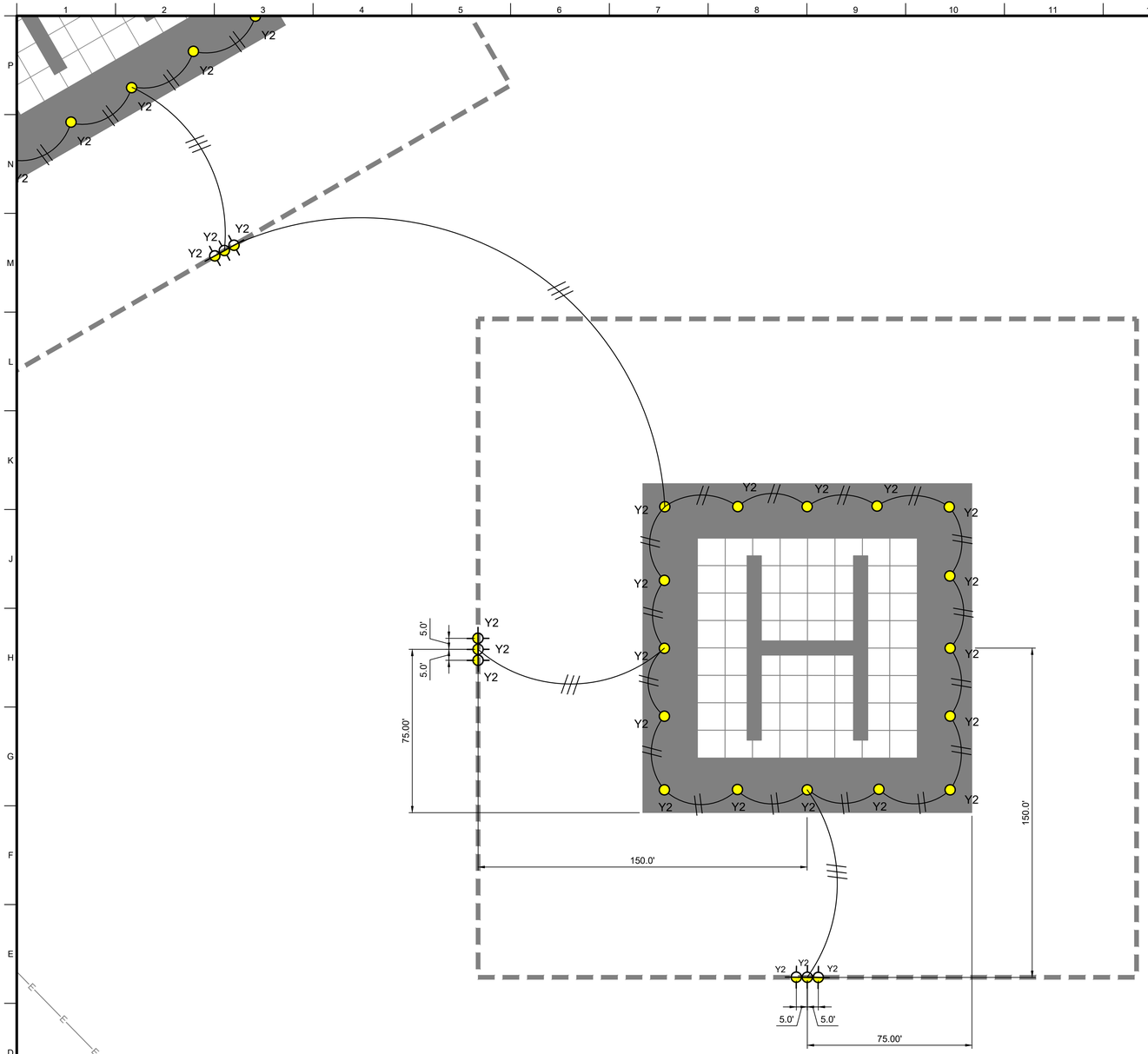
U.S. ARMY CORPS OF ENGINEERS
MOBILE DISTRICT
109 CANAL STREET
MOBILE, ALABAMA

FORT RUCKER
REHABILITATE HELIPADS
AT CAIRNS FIELD

BASE BID
ELECTRICAL
SITE PLAN

SHEET ID
ES105

AMENDMENT NO. 0002

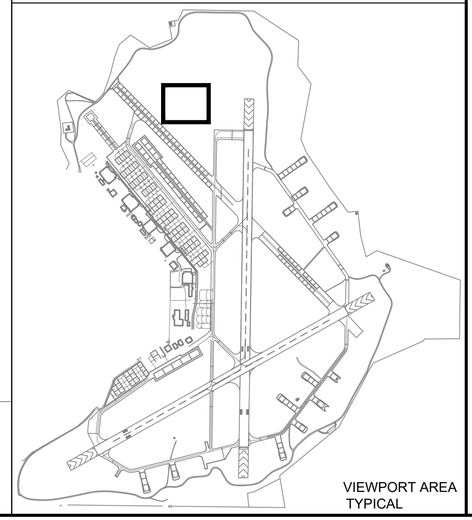


GENERAL SHEET NOTES

1. NEW HELIPAD LIGHTING WILL BE CONNECTED TO AND CONTROLLED BY THE CORRESPONDING TAXIWAY OR HOVER LANE CIRCUIT.
2. SEE SHEET ES501 DETAIL H14 FOR HELIPAD PERIMETER LIGHT SPACING AND REQUIREMENTS.

SHEET KEYNOTES

KEY MAP CAIRNS AAF



VIEWPORT AREA TYPICAL

A1 ELECTRICAL SITE PLAN - D2 (BASE BID)

SCALE: 1" 30'

0 30' 60'

PLAN NORTH

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

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DRAWN BY: N.J.T. DODSON
CHECKED BY: C.P. GUNN
SUBMITTED BY: J.L. SCARBROUGH
SIZE:
ISSUE DATE: JULY 2026
SOLICITATION NO.: -
CONTRACT NO.: -
PROJECT NUMBER: MH172004
MHX25004 ES106

U.S. ARMY CORPS OF ENGINEERS
MOBILE DISTRICT
100 CANAL STREET
MOBILE, ALABAMA

FORT RUCKER
REHABILITATE HELIPADS
AT CAIRNS FIELD

BASE BID
ELECTRICAL
SITE PLAN

SHEET ID

ES106

AMENDMENT NO. 0002

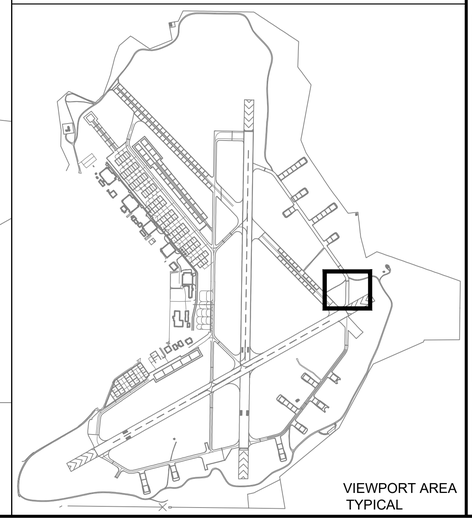
GENERAL SHEET NOTES

1. NEW HELIPAD LIGHTING WILL BE CONNECTED TO AND CONTROLLED BY THE CORRESPONDING TAXIWAY OR HOVER LANE CIRCUIT.
2. SEE SHEET ES501 DETAIL H14 FOR HELIPAD PERIMETER LIGHT SPACING AND REQUIREMENTS.

SHEET KEYNOTES

1. CUT AND PATCH EXISTING ASPHALT PAVEMENT TO INSTALL NEW LIGHT BASES.
2. CUT AND PATCH EXISTING ASPHALT PAVEMENT TO INSTALL NEW UNDERGROUND DUCTBANK.
3. NEW HANDHOLE.
4. NEW 2-WAY UNDERGROUND DUCTBANK.

KEY MAP CAIRNS AAF



VIEWPORT AREA TYPICAL

A1 ELECTRICAL SITE PLAN - ECHO (BID OPTION 4)

SCALE: 1" 30'

0 30' 60'

PLAN NORTH

RUNWAY 24 OVERRUN (ASPHALT PAVEMENT)

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY:	J.W. DUNSFORD
DRAWN BY:	N.J.T. DODSON
CHECKED BY:	C.P. GUNN
SUBMITTED BY:	J.L. SCARBROUGH
SIZE:	MHY25004 ES107
ISSUE DATE:	JULY 2026
SOLICITATION NO.:	-
CONTRACT NO.:	-
PROJECT NUMBER:	MH125004

U.S. ARMY CORPS OF ENGINEERS
MOBILE DISTRICT
100 CANAL STREET
MOBILE, ALABAMA

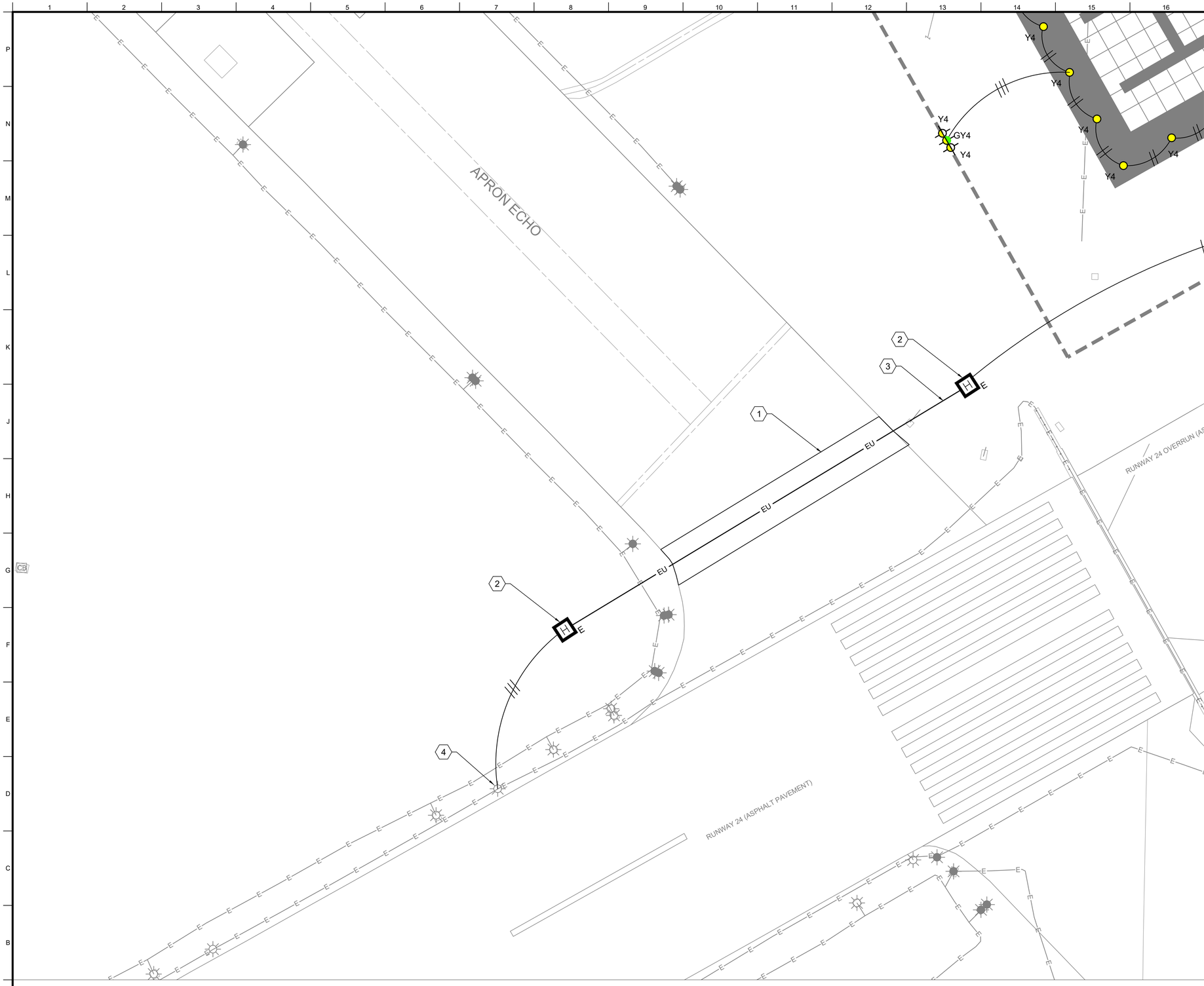
FORT RUCKER
REHABILITATE HELIPADS
AT CAIRNS FIELD

BID OPTION 4
ELECTRICAL
SITE PLAN

SHEET ID

ES107

AMENDMENT NO. 0002



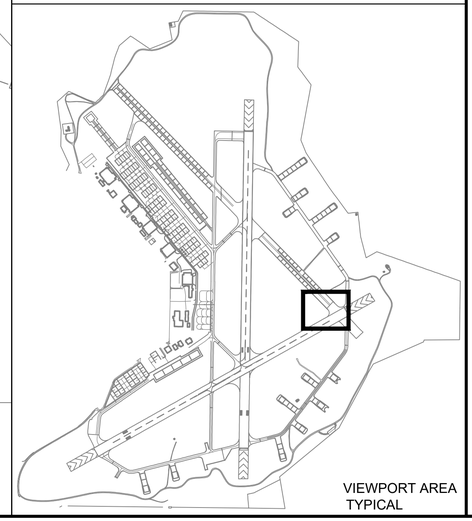
GENERAL SHEET NOTES

1. NEW HELIPAD LIGHTING WILL BE CONNECTED TO AND CONTROLLED BY THE CORRESPONDING TAXIWAY OR HOVER LANE CIRCUIT.
2. SEE SHEET ES501 DETAIL H14 FOR HELIPAD PERIMETER LIGHT SPACING AND REQUIREMENTS.

SHEET KEYNOTES

1. CUT AND PATCH EXISTING ASPHALT PAVEMENT TO INSTALL NEW UNDERGROUND DUCTBANK.
2. NEW HANDHOLE.
3. NEW 2-WAY UNDERGROUND DUCTBANK.
4. SPLICE INTO RUNWAY LIGHTING CIRCUIT IN THIS LIGHT BASE.

KEY MAP CAIRNS AAF



VIEWPORT AREA TYPICAL

A1 ELECTRICAL SITE PLAN - ECHO (BID OPTION 4)

SCALE: 1" 30'

0 30' 60'

PLAN NORTH

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

ISSUE DATE:	JULY 2026
SOLICITATION NO.:	-
CONTRACT NO.:	-
PROJECT NUMBER:	MH172004
DESIGNED BY:	J.W. DUNSFORD
DRAWN BY:	N.J.T. DODSON
CHECKED BY:	C.P. GUNN
SUBMITTED BY:	J.E. SCARBROUGH
SIZE:	MHY25004 ES108

U.S. ARMY CORPS OF ENGINEERS
MOBILE DISTRICT
109 CANAL STREET
MOBILE, ALABAMA

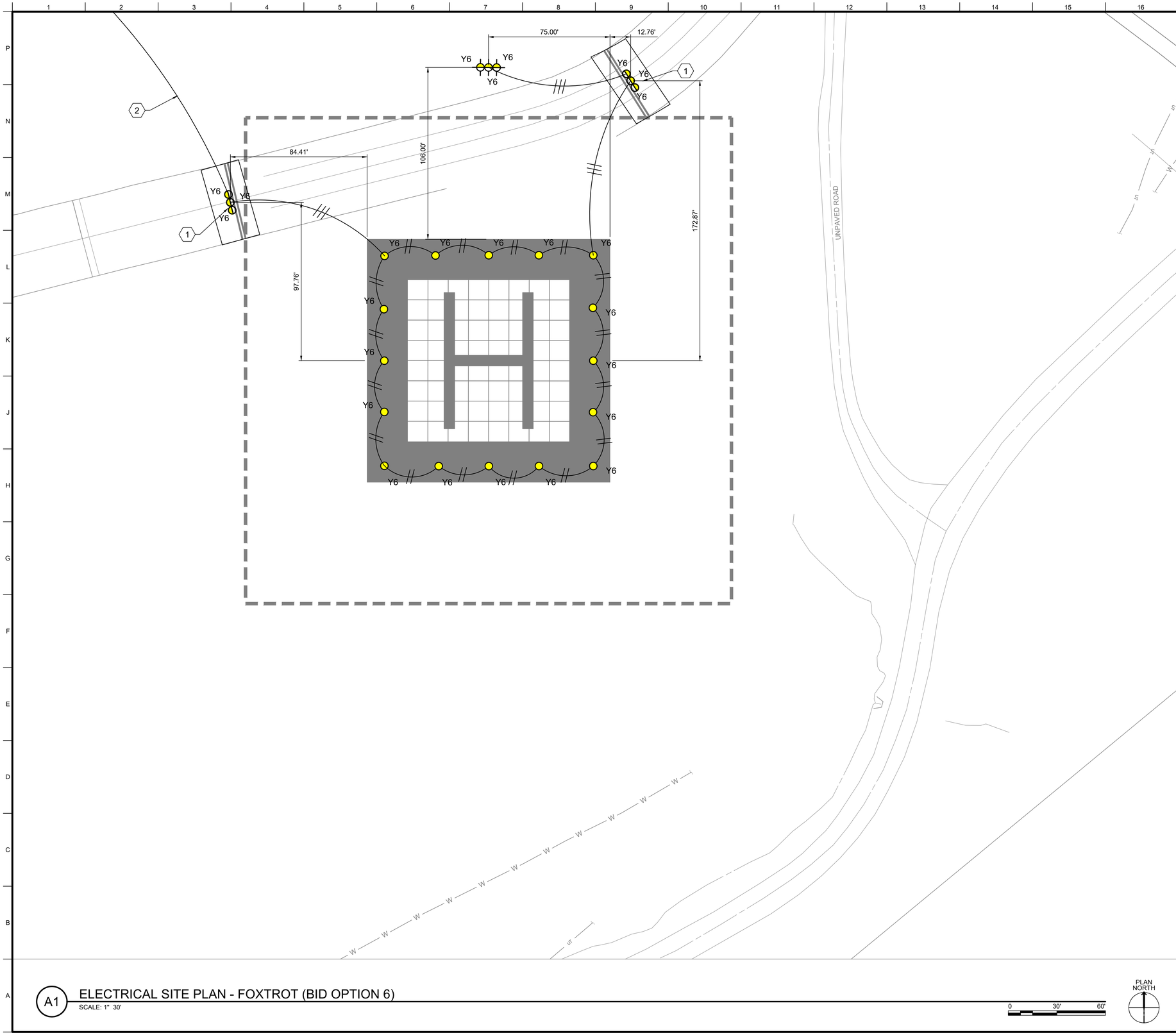
FORT RUCKER
REHABILITATE HELIPADS
AT CAIRNS FIELD

BID OPTION 4
ELECTRICAL
SITE PLAN

SHEET ID

ES108

AMENDMENT NO. 0002



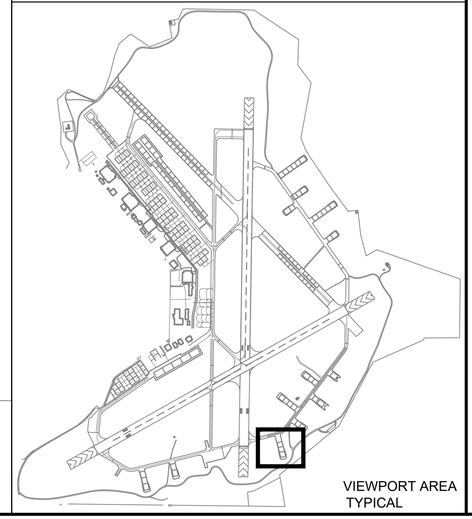
GENERAL SHEET NOTES

1. NEW HELIPAD LIGHTING WILL BE CONNECTED TO AND CONTROLLED BY THE CORRESPONDING TAXIWAY OR HOVER LANE CIRCUIT.
2. SEE SHEET ES501 DETAIL H14 FOR HELIPAD PERIMETER LIGHT SPACING AND REQUIREMENTS.

SHEET KEYNOTES

1. CUT AND PATCH EXISTING ASPHALT PAVEMENT TO INSTALL NEW LIGHT BASES.
2. TO RUNWAY 18-36 LIGHTING CIRCUIT. SEE SHEET ES110 FOR CONTINUATION.

KEY MAP CAIRNS AAF



VIEWPORT AREA TYPICAL

A1 ELECTRICAL SITE PLAN - FOXTROT (BID OPTION 6)

SCALE: 1" 30'

0 30' 60'

PLAN NORTH

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY: J.W. DUNSFORD
DRAWN BY: N.J.T. DODSON
CHECKED BY: C.P. GUNN
SUBMITTED BY: J.L. SCARBROUGH
ISSUE DATE: JULY 2026
SOLICITATION NO.: -
CONTRACT NO.: -
PROJECT NUMBER: MH172004
SIZE: MHY25004 ES109

U.S. ARMY CORPS OF ENGINEERS
MOBILE DISTRICT
100 CANAL STREET
MOBILE, ALABAMA

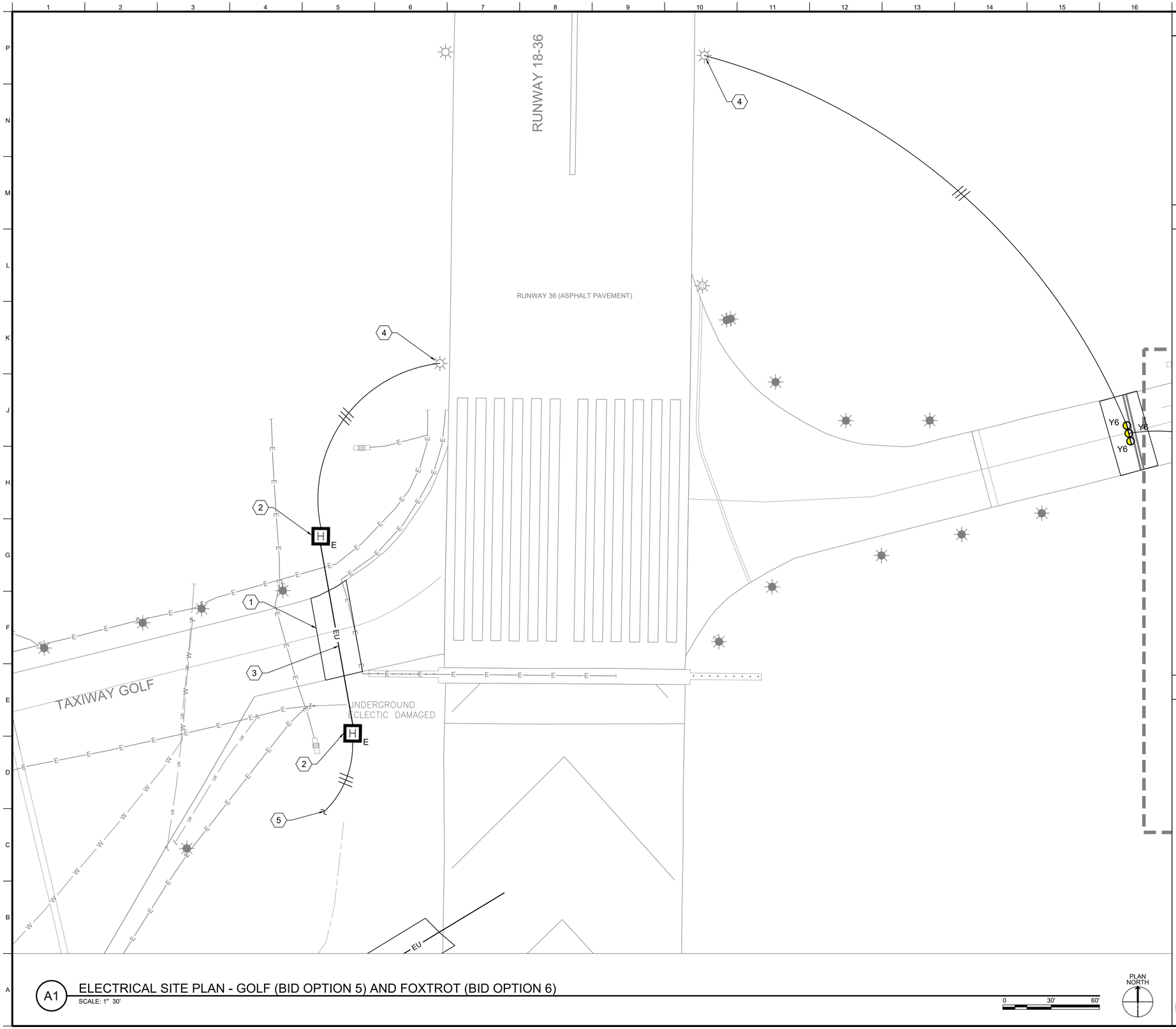
FORT RUCKER
REHABILITATE HELIPADS
AT CAIRNS FIELD

BID OPTION 6
ELECTRICAL
SITE PLAN

SHEET ID

ES109

AMENDMENT NO. 0002



A1 ELECTRICAL SITE PLAN - GOLF (BID OPTION 5) AND FOXTROT (BID OPTION 6)

SCALE: 1" 30'

0 30' 60'

PLAN NORTH

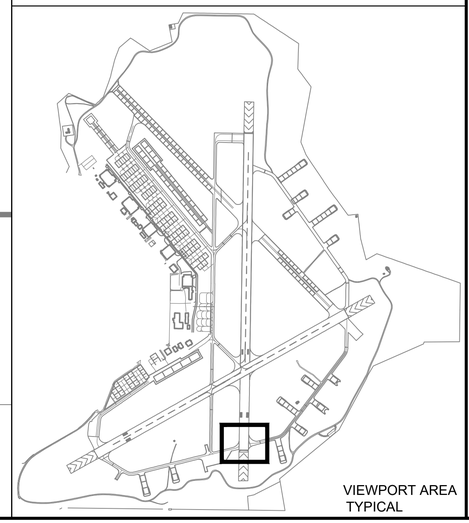
GENERAL SHEET NOTES

1. NEW HELIPAD LIGHTING WILL BE CONNECTED TO AND CONTROLLED BY THE CORRESPONDING TAXIWAY OR HOVER LANE CIRCUIT.
2. SEE SHEET ES501 DETAIL H14 FOR HELIPAD PERIMETER LIGHT SPACING AND REQUIREMENTS.
3. CONTRACTOR SHALL ALLOCATE THE ELECTRICAL SCOPE OF WORK AS FOLLOWS FOR BIDDING PURPOSES: ELECTRICAL WORK WEST OF RUNWAY 18-36 (HELIPAD GOLF) IS ALLOCATED TO BID OPTION 5. ELECTRICAL WORK EAST OF RUNWAY 18-36 (HELIPAD FOXTROT) IS ALLOCATED TO BID OPTION 6.

SHEET KEYNOTES

1. CUT AND PATCH EXISTING ASPHALT PAVEMENT TO INSTALL NEW UNDERGROUND DUCTBANK.
2. NEW HANDHOLE.
3. NEW 2-WAY UNDERGROUND DUCTBANK.
4. SPLICE INTO RUNWAY LIGHTING CIRCUIT IN THIS LIGHT BASE.
5. TO HELIPAD GOLF SEE SHEET ES111 FOR CONTINUATION.

KEY MAP CAIRNS AAF



VIEWPORT AREA TYPICAL

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY: J.W. DUNSFORD
DRAWN BY: N.J.T. DODSON
CHECKED BY: C.P. GUNN
SUBMITTED BY: J.L. SCARBROUGH
SIZE: MHY25004 ES110
ISSUE DATE: JULY 2026
SOLICITATION NO.: -
CONTRACT NO.: -
PROJECT NUMBER: MH125004

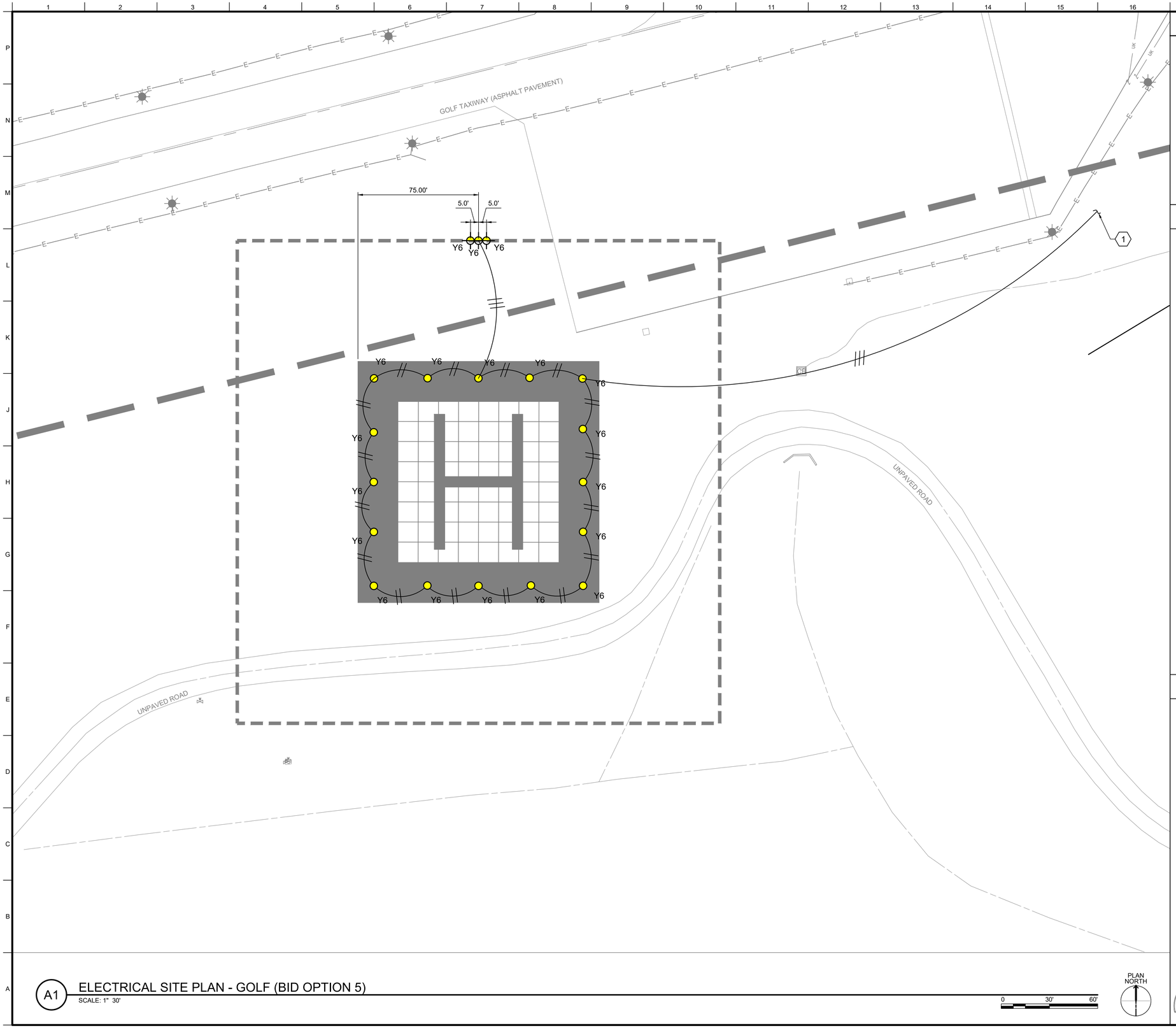
U.S. ARMY CORPS OF ENGINEERS
MOBILE DISTRICT
100 CANAL STREET
MOBILE, ALABAMA

FORT RUCKER
REHABILITATE HELIPADS
AT CAIRNS FIELD

BID OPTION 5 & 6
ELECTRICAL
SITE PLAN

SHEET ID
ES110

AMENDMENT NO. 0002



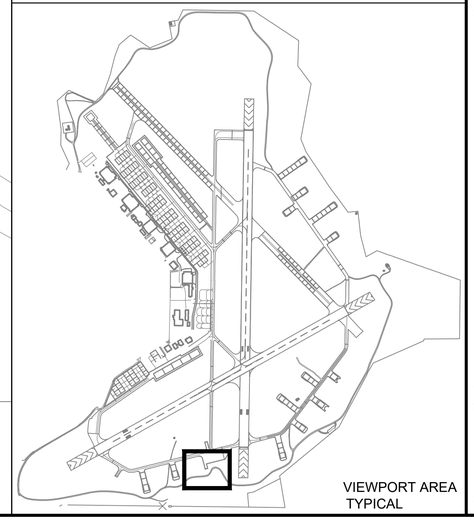
GENERAL SHEET NOTES

1. NEW HELIPAD LIGHTING WILL BE CONNECTED TO AND CONTROLLED BY THE CORRESPONDING TAXIWAY OR HOVER LANE CIRCUIT.
2. SEE SHEET ES501 DETAIL H14 FOR HELIPAD PERIMETER LIGHT SPACING AND REQUIREMENTS.

SHEET KEYNOTES

1. TO RUNWAY 18-36 LIGHTING CIRCUIT. SEE SHEET ES110 FOR CONTINUATION.

KEY MAP CAIRNS AAF



VIEWPORT AREA TYPICAL

A1 ELECTRICAL SITE PLAN - GOLF (BID OPTION 5)

SCALE: 1" 30'

0 30' 60'

PLAN NORTH

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY: J.W. DUNSFORD
DRAWN BY: N.J.T. DODSON
CHECKED BY: C.P. GUNN
SUBMITTED BY: J.L. SCARBROUGH
ISSUE DATE: JULY 2026
SOLICITATION NO.: -
CONTRACT NO.: -
PROJECT NUMBER: MH172004
SIZE: MHY25004 ES111

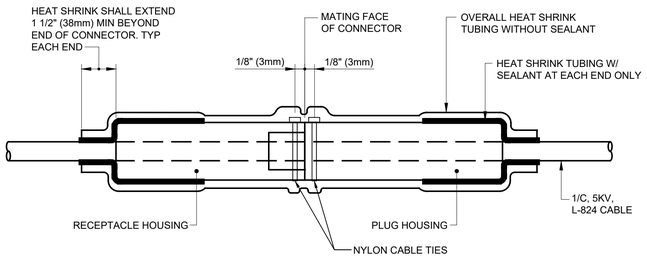
U.S. ARMY CORPS OF ENGINEERS
MOBILE DISTRICT
109 CANAL STREET
MOBILE, ALABAMA

FORT RUCKER
REHABILITATE HELIPADS
AT CAIRNS FIELD

BID OPTION 5
ELECTRICAL
SITE PLAN

SHEET ID
ES111

AMENDMENT NO. 0002

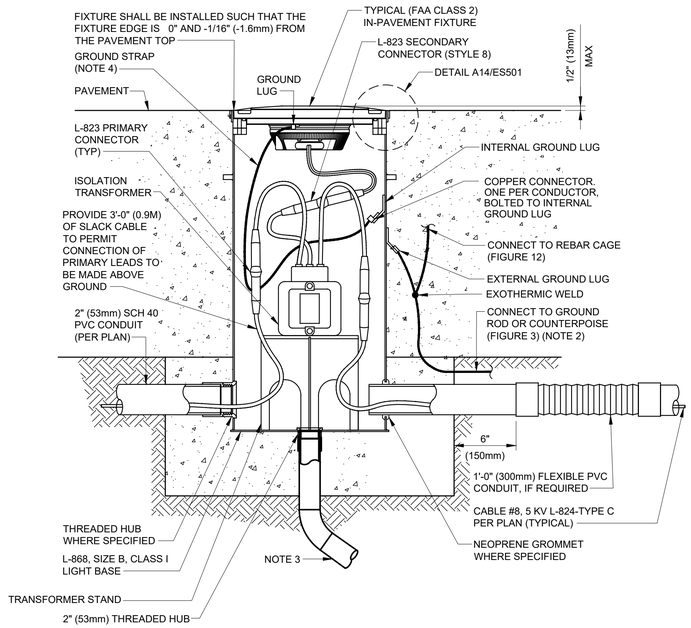


NOTES:

1. INTERIOR PIN AND SOCKETS ARE NOT INDICATED FOR CLARITY.
2. ATTACH EACH CABLE TIE 1/8" (3mm) FROM THE MATING FACE OF THE CONNECTOR HOUSING. TIGHTEN CABLE TIE ENOUGH TO HOLD IN PLACE WITHOUT COMPRESSING HOUSING. TRIM OFF EXCESS CABLE TIE.
3. INSTALLATION OF L-823 AND HEAT SHRINK TUBING MUST BE IN STRICT CONFORMANCE WITH MANUFACTURER'S REQUIREMENTS.

K1 FIELD ATTACHED PLUG-IN SPLICE FAA TYPE L-823

N.T.S.

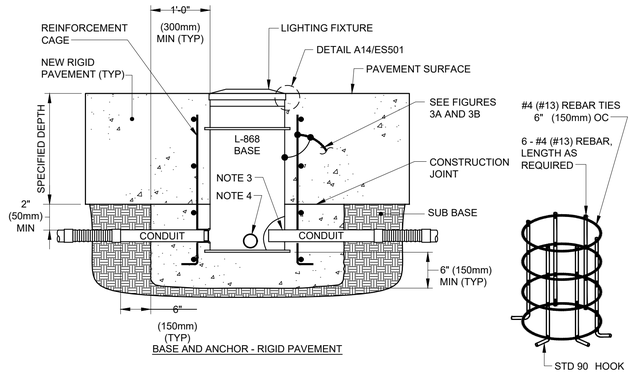


NOTES:

1. REFER TO DETAIL A7/ES501 FOR BASE INSTALLATION DETAILS.
2. GROUND ROD LOCATION IS OUTSIDE THE BASE CAN ON THE SIDE OPPOSITE THE COUNTERPOISE AND CONNECTED TO THE EXTERNAL GROUND LUG.
3. BOTTOM DRAIN.
4. PROVIDE 48" (1200mm) BRAIDED COPPER GROUND STRAP BETWEEN LIGHT BASE CAN AND LIGHT FIXTURE. STRAP MUST BE EQUIVALENT TO NO. 6 (16mm^2) CABLE.

A1 IN-PAVEMENT FIXTURE DETAIL

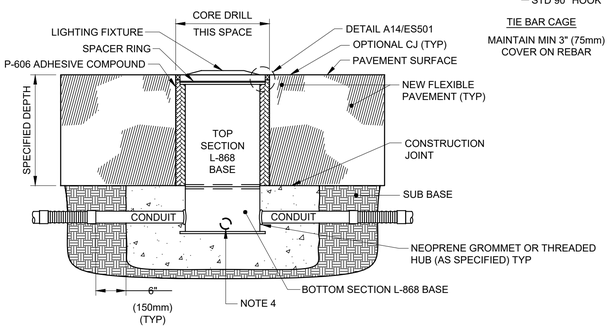
N.T.S.



BASE AND ANCHOR - RIGID PAVEMENT

TIE BAR CAGE

MAINTAIN MIN 3" (75mm)
COVER ON REBAR



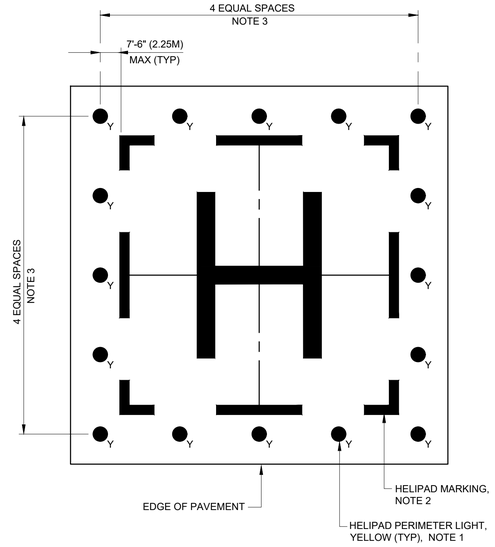
BASE AND ANCHOR - FLEXIBLE PAVEMENT

NOTES:

1. THE USE OF MUD PLATES, SPACER RINGS, EXTENSIONS, ETC., IS DEPENDENT ON PAVING TECHNIQUES.
2. ORIENTATION TOLERANCE FOR THE BASE IS 1/2 DEGREE FROM THE CENTERLINE INDICATED ON THE PLANS.
3. CONDUIT ENTRANCE CAN BE MADE WITH EITHER A HUB OR GROMMET. IF GROMMET IS USED, CONDUITS MUST PROTRUDE INTO LIGHT BASE NOT MORE THAN 3/4" (19mm) FOR STEEL AND 1" (25mm) TO 1-1/2" (38mm) FOR PVC.
4. 2" (53mm) PVC CONDUIT TO NEAREST CATCH BASIN OR FRENCH DRAIN. TYPICAL AT EACH LOW POINT OF LIGHTING SYSTEM.

A7 IN-PAVEMENT FIXTURE BASE DETAILS

N.T.S.

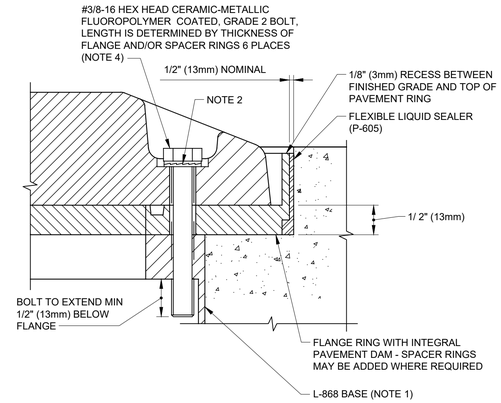


NOTES:

1. ELEVATED LIGHTS MUST BE BASE MOUNTED FAA TYPE L-861. IN-PAVEMENT LIGHTS MUST BE BASE MOUNTED FAA TYPE L-852E.
2. MARKINGS BASED ON 100' (30M) X 100' (30M) HELIPAD. FOR OTHER PADS, MARKINGS WILL APPEAR DIFFERENT.
3. SPACE LIGHTS 28'-6" FOR 100' (30M) X 100' (30M) HELIPAD AND 16'-0" FOR 50' (15M) X 50' (15M) HELIPAD

H14 HELIPAD PERIMETER LIGHTING DETAIL

N.T.S.



NOTES:

1. REFER TO DETAIL A7/ES501 FOR BASE INSTALLATION DETAILS.
2. TWO-PIECE STAINLESS STEEL LOCKING WASHER. DO NOT USE SPLIT-RING TYPE.
3. SPACER RINGS MAY BE REQUIRED FOR PROPER ALIGNMENT OF THE LIGHT FIXTURE.
4. DO NOT USE ANTI-SEIZE COMPOUND ON CERAMIC-METALLIC FLUOROPOLYMER COATED BOLT.

A14 IN-PAVEMENT FIXTURE ANCHOR DETAIL

N.T.S.

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

ISSUE DATE:	JULY 2026
SOLICITATION NO.:	-
CONTRACT NO.:	-
PROJECT NUMBER:	###Y25004
DESIGNED BY:	R.M.FORTNER
DRAWN BY:	
CHECKED BY:	N.J.T. DODSON
C.P. GUNN	
SUBMITTED BY:	J.L. SCARBROUGH
SIZE:	MHY2500A ES501

U.S. ARMY CORPS OF ENGINEERS
MOBILE DISTRICT
100 CANAL STREET
MOBILE, ALABAMA

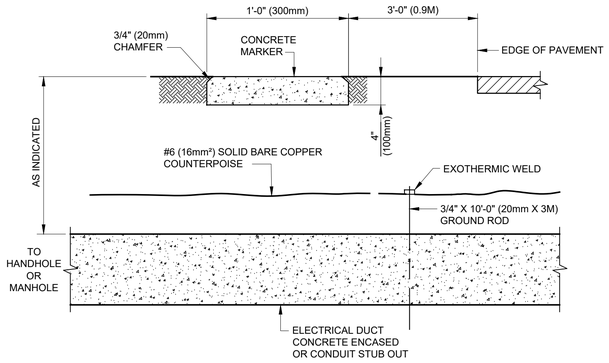
FORT RUCKER
REHABILITATE HELIPADS
AT CAIRNS FIELD

ELECTRICAL
DETAILS

SHEET ID

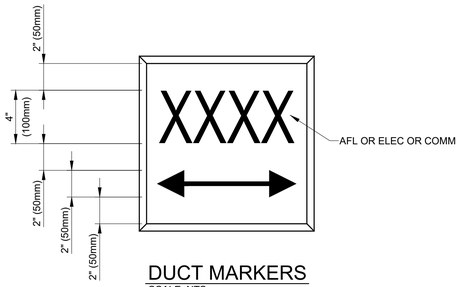
ES501

AMENDMENT NO. 0002



DUCT MARKER INSTALLATION AT PAVEMENT EDGE

J1 N.T.S.



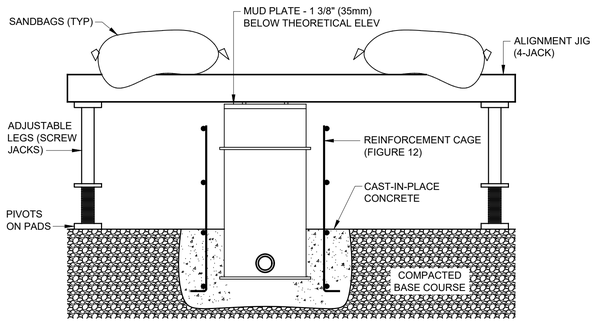
DUCT MARKERS
SCALE: NTS

NOTES:

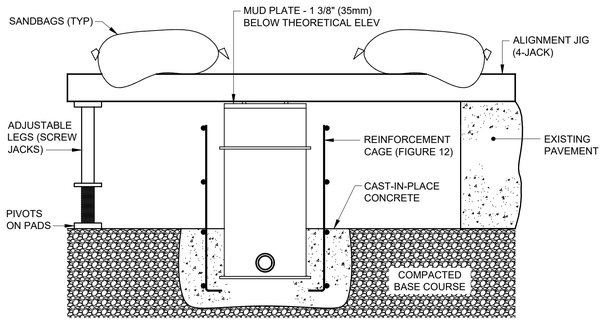
1. HAND LETTERING NOT ALLOWED ON MARKERS. LETTERING IS TO BE BOLDLY IMPRESSED. LINE WIDTH MUST BE 1/2" (13mm) MINIMUM. DEPTH OF IMPRESSION MUST BE 1/4" (6mm) MINIMUM.
2. ARROW ON MARKER TO INDICATE DIRECTION OF DUCTS (WHERE APPLICABLE).
3. ALL MARKERS ARE CONCRETE WITH A MINIMUM OF 4" (100mm) IN THICKNESS.

K9 DUCT MARKERS

N.T.S.



NO REFERENCE EDGE AVAILABLE



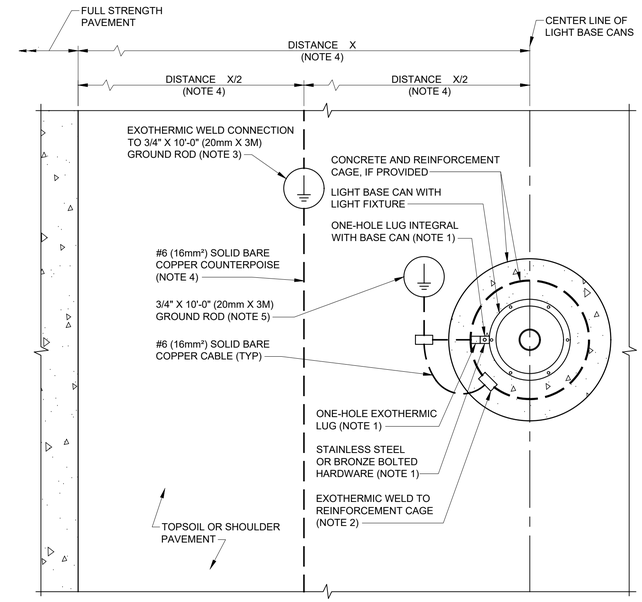
REFERENCE EDGE AVAILABLE

NOTES:

1. INSTALL THE ALIGNMENT JIG PER THE BASE MANUFACTURER'S REQUIREMENTS. THE JIG SHOULD BE PROVIDED WITH ADJUSTABLE LEGS FOR SETTING ELEVATION AND ALIGNMENT PINS FOR SETTING AZIMUTH.
2. ONCE LIGHT BASES ARE SET AT CORRECT ELEVATION, CONDUIT IS INSTALLED BETWEEN THE BASES AND REINFORCEMENT CAGES ARE FORMED AROUND THE BASE. SUFFICIENT WEIGHT, SUCH AS SAND BAGS, SHOULD BE PLACED ON TOP OF THE JIG TO PREVENT THE LIGHT BASE FROM FLOATING DURING CONCRETE INSTALLATION. THE CONCRETE ANCHOR IS POURED AROUND THE BASE AND ALONG THE CONDUIT TRENCH. INSTRUCT THE CONTRACTOR TO ENSURE THAT ALL VOIDS OR LOOSE MATERIAL BENEATH THE CONDUIT HAVE BEEN ELIMINATED PRIOR TO ENCASING IN CONCRETE. CONCRETE SHOULD BE FLUSH WITH SUB BASE AND NOT PROTRUDE ABOVE SUB BASE.
3. ONCE THE CONCRETE HAS CURED A MINIMUM OF 24 HOURS, THE JIG MAY BE REMOVED.
4. PAVING CANNOT COMMENCE UNTIL LIGHT BASE CONCRETE ANCHOR HAS CURED FOR 3 DAYS OR REACHED A STRENGTH OF 3000 PSI.

DEEP BASE INSTALLATION IN RIGID PAVEMENT (NEW CONSTRUCTION)

A8 N.T.S.

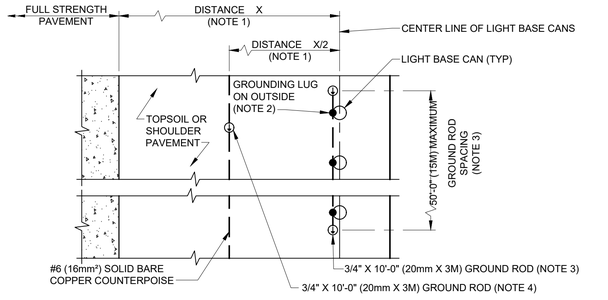


NOTES:

1. EACH LIGHT BASE CAN MUST HAVE AN EXTERNAL ONE-HOLE GROUND LUG. CONNECT AN EXOTHERMIC ONE-HOLE LUG TO GROUNDING CABLE. CONNECT CABLE LUG TO BASE CAN LUG WITH BRONZE OR STAINLESS STEEL BOLTED HARDWARE.
2. CONNECT GROUNDING CABLE TO REINFORCEMENT CAGE, IF ONE IS PROVIDED. USE EXOTHERMIC WELD.
3. CONNECT GROUND RODS TO COUNTERPOISE AT 2000'-0" (600M) MAXIMUM SPACING FOR STRAIGHT RUNS, USING EXOTHERMIC WELDS. DO NOT BREAK COUNTERPOISE.
4. LOCATE COUNTERPOISE HALF WAY BETWEEN FULL-STRENGTH RUNWAY OR TAXIWAY PAVEMENT AND CENTER LINE OF LIGHT BASE CANS.
5. INSTALL THE GROUND ROD ON THE SIDE OF THE TRENCH THAT IS CLOSEST TO THE RUNWAY OR TAXIWAY PAVEMENT. GROUND ROD MUST BE SEPARATED FROM COUNTERPOISE BY MINIMUM 12" (300mm).

GROUNDING CONNECTIONS TO LIGHT BASE CAN

F15 N.T.S.

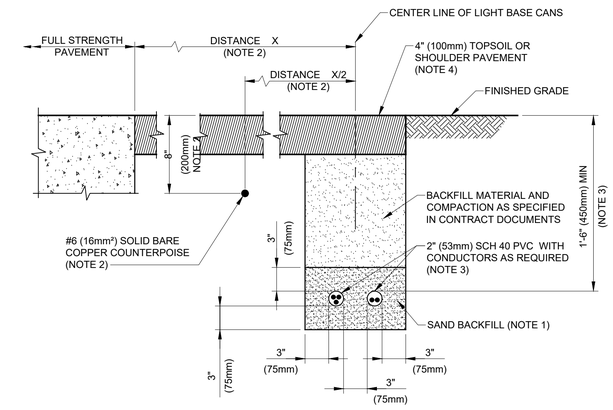


NOTES:

1. LOCATE COUNTERPOISE HALF WAY BETWEEN FULL STRENGTH RUNWAY OR TAXIWAY PAVEMENT AND CENTER LINE OF LIGHT BASE CANS. INSTALL COUNTERPOISE 8" (200mm) MINIMUM BELOW FINISHED GRADE.
2. SEE DETAIL G13/ES502 FOR GROUNDING CONNECTION TO EXTERNAL LUG ON LIGHT BASE CAN.
3. IF LIGHT BASE CANS ARE SPACED MORE THAN 5'-0" (1.5M), THE CANS ARE ISOLATED AND MUST EACH HAVE A GROUND ROD.
4. INSTALL COUNTERPOISE GROUND RODS EVERY 2000' (600M) MAXIMUM ON STRAIGHT RUNS OF DUCTS/CONDUITS

GROUNDING FOR GROUPED LIGHT BASE CANS

A15 N.T.S.



NOTES:

1. DUCTS UNDER FULL STRENGTH PAVEMENT MUST BE CONCRETE ENCASED WITH A MINIMUM OF 3" (75mm) CONCRETE ENCASEMENT ON TOP, BOTTOM, AND SIDES. DUCTS UNDER TURF OR PAVED SHOULDERS MUST BE INSTALLED IN A BED OF SAND BACKFILL.
2. LOCATE COUNTERPOISE HALF WAY BETWEEN FULL-STRENGTH RUNWAY OR TAXIWAY PAVEMENT AND CENTER LINE OF LIGHT BASE CANS. INSTALL COUNTERPOISE 8" (200mm) MINIMUM BELOW FINISHED GRADE.
3. PROVIDE MINIMUM CONDUIT SLOPE OF 0.5 PERCENT WHERE POSSIBLE.
4. WHERE DUCT OR CONDUIT IS BELOW A PAVED SHOULDER, THE PATCH MATERIAL MUST MATCH THE EXISTING PAVEMENT.

EDGE LIGHTING DIRECT BURIED DUCT/ CONDUIT DETAIL

A1 N.T.S.

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

ISSUE DATE: JULY 2026
SOLICITATION NO.: -
CONTRACT NO.: -
PROJECT NUMBER: MH725004

DESIGNED BY: R.M. FORTNER
DRAWN BY: N.J.T. DODSON
CHECKED BY: C.P. GUNN
SUBMITTED BY: J.L. SCARBROUGH
SIZE: E1
MH725004 ES502

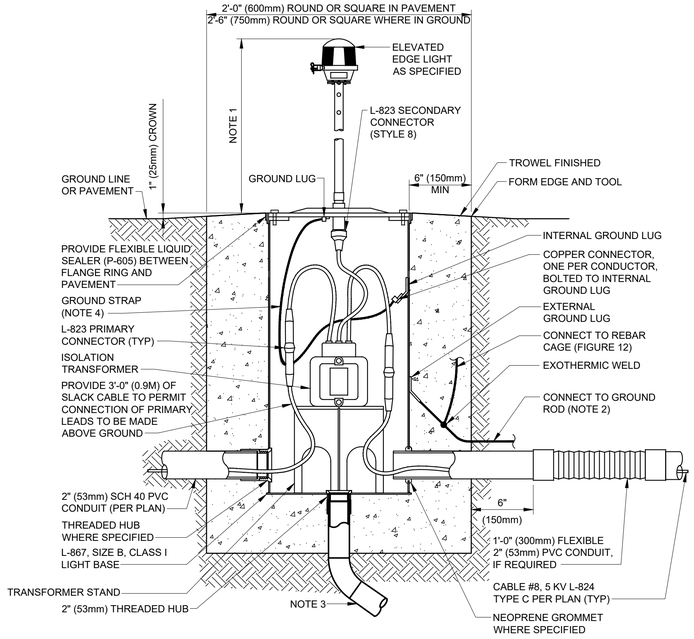
U.S. ARMY CORPS OF ENGINEERS
MOBILE DISTRICT
100 CANAL STREET
MOBILE, ALABAMA

FORT RUCKER
REHABILITATE HELIPADS
AT CAIRNS FIELD

ELECTRICAL DETAILS

SHEET ID
ES502

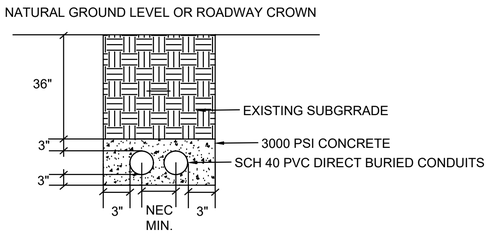
AMENDMENT NO. 0002



NOTES:

1. STANDARD HEIGHT IS 14" (350mm).
2. GROUND ROD LOCATION IS OUTSIDE THE BASE CAN ON THE SIDE ADJACENT TO THE COUNTERPOISE AND CONNECTED TO THE EXTERNAL GROUND LUG AND REINFORCEMENT CAGE. PROVIDE 12" (300mm) SEPARATION FROM COUNTERPOISE.
3. BOTTOM DRAIN.
4. PROVIDE 48" (1200mm) BRAIDED COPPER GROUNDING STRAP EQUIVALENT TO #6 (16 SQUARE mm) WIRE.

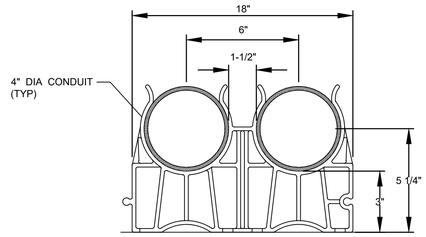
G3 ELEVATED FIXTURE DETAIL
N.T.S.



NOTES:

1. SEE SPEC 33 71 02 UNDERGROUND ELECTRICAL DISTRIBUTION.
2. SEED ALL GRADED AND SCARED AREAS IAW SPEC 32 92 19.

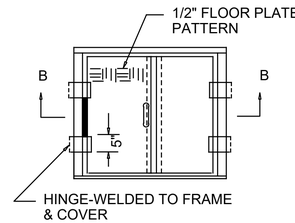
C3 ELEVATED FIXTURE DETAIL
N.T.S.



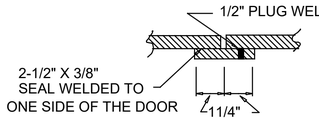
NOTES:

1. ALL DIMENSIONS ARE NOMINAL.
2. INSTALL SPACERS EVERY FIVE(5) FEET OF DUCT LENGTH.

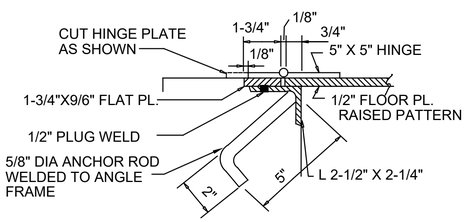
J9 2-WAY DUCTBANK SECTION DETAIL
N.T.S.



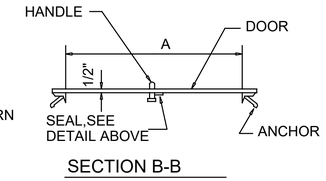
PLAN OF COVER



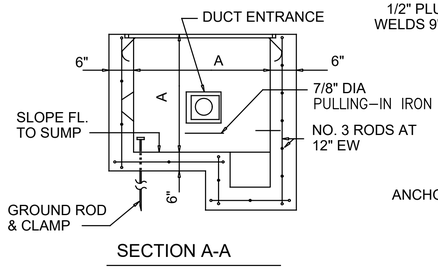
SEAL DETAIL



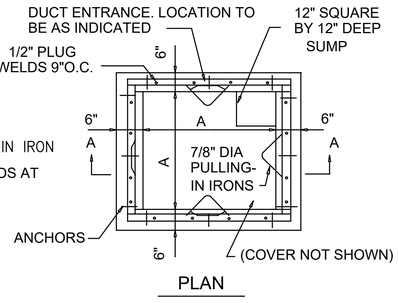
SECTION OF FRAME



SECTION B-B



SECTION A-A



PLAN

HANDHOLE	A
TYPE 1	3'-0"
TYPE 2	4'-0"

NOTE: SEE REQUIREMENTS FOR CABLE RACKS, DUCT ENTRANCE, AND PULLING-IN IRONS IN SPECIFICATION 33 71 02

E13 ELECTRICAL HANDHOLE DETAIL
N.T.S.

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY: R.M. FORTNER
DRAWN BY: N.J.T. DODSON
CHECKED BY: C.P. GUNN
SUBMITTED BY: J.L. SCARBROUGH
SIZE:
ISSUE DATE: JULY 2026
SOLICITATION NO.: -
CONTRACT NO.: -
PROJECT NUMBER: MHY25004
MHY25004 ES503

U.S. ARMY CORPS OF ENGINEERS
MOBILE DISTRICT
100 CANAL STREET
MOBILE, ALABAMA

FORT RUCKER
REHABILITATE HELIPADS
AT CAIRNS FIELD

ELECTRICAL DETAILS

SHEET ID
ES503