



191593014 - Coolidge On Call 02 Task 5

ADOT PROJECT NO. XXXXXXXX
COOLIDGE PROJECT NO. AIP-01-2024
ISSUED FOR BID SUBMITTAL
APRIL 30, 2025

GENERAL PROJECT DESCRIPTION:

GA APRON AND TAXIWAY C



OWNER/DEVELOPER:
CITY OF COOLIDGE
DEVELOPMENT SERVICES
131 W PINKLEY AVE
COOLIDGE, AZ 85228
520-723-6075
ATTN: JAMES MYERS, AIRPORT MANAGER

KIMLEY-HORN AND ASSOCIATES, INC.
1001 W SOUTHERN AVE, SUITE 131
MESA, AZ 85210
602-906-1185
ATTN: BRANDON ROBINSON

5370 KIETZKE LANE, SUITE 201
RENO, NV 89511
775-200-1961
ATTN: JOSEPH BRADSHAW

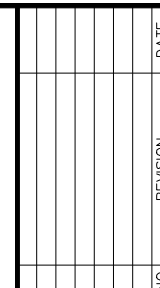
WWW.KIMLEY-HORN.COM

HORIZONTAL DATUM IS NAD83 AND THE VERTICAL
DATUM IS NAVD88. ALL COORDINATES IN U.S.
SURVEY FEET.

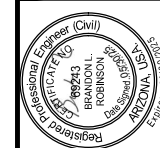
GROUND TO GRID FACTOR: 1.000145

BASIS OF BEARING FOR THIS PROJECT IS A STRAIGHT LINE BETWEEN A 1" BRASS CAPPED PIN AT THE SOUTH-WEST END OF RUNWAY 5-23 TO A 1" BRASS CAPPED PIN AT THE NORTH-EAST END OF RUNWAY 5-23. SAID BEARING BEING S 59°58'22" W.

BASIS OF ELEVATION FOR THIS PROJECT IS PRIMARY
CONTROL STATION "P08A", POINT NO. 1 SAID
ELEVATION BEING 1566.72 INT. FT. (NAVID 88)



Kimley»»Horn
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77740 North 16th Street, Suite 300
Phoenix, Arizona 85020 (602) 944-5500



SCALE (H): N/A
SCALE (V): N/A
DESIGNED BY: BLR
DRAWN BY: SQR
CHECKED BY: BLR
DATE: 04/30/25

**COOLIDGE MUNICIPAL
AIRPORT**

CITY OF COOLIDGE
GROWTH MANAGEMENT
131 W PINKLEY AVE
COOLIDGE, AZ 85228



COOLIDGE MUNICIPAL AIRPORT
GA APRON AND TAXIWAY C
COVER SHEET

PROJECT NO.
191593014

DRAWING NAME
191593014CV.dwg

C1.1
SHEET NO. 1 OF 43

K:\PHX_Aviation\191593014 Coolidge OnCall 04_Task 5\CADD\191593014CV.dwg May 01, 2025 Sandra.QuirozRamirez

THIS PROJECT SHALL BE CONSTRUCTED IN ACCORDANCE WITH ALL APPLICABLE FEDERAL AVIATION ADMINISTRATION ADVISORY CIRCULARS, STANDARDS AND RECOMMENDATIONS FOR AIRPORT DESIGN, INCLUDING: 150/5370, (LATEST EDITION) STANDARDS FOR SPECIFYING CONSTRUCTION FOR AIRPORTS.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PRESERVATION OF ALL COOLIDGE MUNICIPAL AIRPORT PROPERTY, AND SHALL PROTECT FROM DAMAGE OR DISTURBANCE, ALL LAND MONUMENTS AND PROPERTY MARKERS. IF DAMAGED OR INJURED DURING THE WORK, THE CONTRACTOR SHALL RESTORE, AT HIS OWN EXPENSE, SUCH PROPERTY TO A CONDITION EQUAL TO THAT EXISTING BEFORE SUCH DAMAGE OR INJURY WAS DONE, BY REPAIRING, REBUILDING OR RESTORING AS DIRECTED BY AND TO THE SATISFACTION OF THE ENGINEER.

IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND/OR THE SURVEYOR PROVIDING THE CONSTRUCTION LAYOUT TO COMPARE THE SITE CONDITIONS WITH THE PLANS AND NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES OBSERVED. SHOULD ANY GRADE OR DESIGN INDICATED ON THE PLANS BE SUSPECT, THE ENGINEER SHALL BE NOTIFIED OF SAID AREA AT LEAST TWENTY-FOUR HOURS BEFORE CONSTRUCTION IS SCHEDULED TO BEGIN ON THE AFFECTED AREA. IF THE ENGINEER IS NOT NOTIFIED PRIOR TO THE START OF CONSTRUCTION OF THE AFFECTED AREA, ANY DISCREPANCIES SHALL BE DEEMED TO BE THE RESPONSIBILITY OF THE CONTRACTOR AND/OR SURVEYOR AND WILL NOT BE PAID FOR BY CHANGE ORDER.

ACCESS/HAUL ROUTES - HAUL ROUTES ON THE AIRPORT SHALL BE AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER OR ONSITE AIRPORT REPRESENTATIVE. ON-SITE HAUL ROUTES WILL BE MAINTAINED BY THE CONTRACTOR AND SHALL BE RESTORED TO THEIR ORIGINAL CONDITION UPON COMPLETION OF BEING USED AS A HAUL ROUTE. DRAINAGE, GRADING OR OTHER WORK NECESSARY TO CONSTRUCT HAUL ROUTES ON THE AIRPORT IS THE CONTRACTOR'S RESPONSIBILITY AND MUST BE APPROVED BY THE ENGINEER PRIOR TO ANY WORK. THE CONTRACTOR SHALL NOT ENTER ONTO ANY AREA OUTSIDE OF THE LIMITS OF GRADING, STAGING AREAS OR DESIGNATED ACCESS/HAUL ROUTES WITHOUT THE WRITTEN APPROVAL BY THE ENGINEER.

STAGING AREA - A CONTRACTOR'S STAGING AREA IS PROVIDED AS SHOWN ON THE PROJECT LAYOUT PLAN. THE CONTRACTOR WILL BE REQUIRED TO COORDINATE WITH THE COOLIDGE MUNICIPAL AIRPORT ON THE PRECISE LOCATION AND LIMITS OF ANY ADDITIONAL STAGING AREAS IF NEEDED.

EXISTING UTILITY LOCATIONS, AS SHOWN ON THESE PLANS, WERE COMPILED BASED ON INFORMATION AVAILABLE TO THE ENGINEER. UTILITY LOCATIONS ARE APPROXIMATE AND ARE NOT INTENDED TO BE EXACT OR COMPLETE. THE CONTRACTOR SHALL NOTIFY THE BLUE STAKE CENTER (1-800-782-5348) AND THE CITY OF COOLIDGE AT LEAST 48 HOURS IN ADVANCE BEFORE DIGGING.

THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE EXACT LOCATION OF ALL EXISTING UTILITIES AND THE PROTECTION AND REPAIR OF DAMAGE TO THEM. THE CONTRACTOR SHALL POTHOLE IF NECESSARY IN AREAS OF SHALLOW OR CONGESTED UTILITIES TO VERIFY EXACT LOCATIONS OF UTILITIES AS REQUIRED DURING CONSTRUCTION ACTIVITIES. ANY UTILITIES ENCOUNTERED WHICH ARE NOT SHOWN SHALL BE NOTED ON THE AS-BUILTS. COST OF POTHOLING IS INCIDENTAL TO THE CONTRACT.

IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND/OR THE SURVEYOR PROVIDING THE CONSTRUCTION LAYOUT TO COMPARE THE SITE CONDITIONS WITH THE PLANS AND NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES OBSERVED. SHOULD ANY GRADE OR DESIGN INDICATED ON THE PLANS BE SUSPECT, THE ENGINEER SHALL BE NOTIFIED OF SAID AREA AT LEAST TWENTY-FOUR HOURS BEFORE CONSTRUCTION IS SCHEDULED TO BEGIN ON THE AFFECTED AREA. IF THE ENGINEER IS NOT NOTIFIED PRIOR TO THE START OF CONSTRUCTION OF THE AFFECTED AREA, ANY DISCREPANCIES SHALL BE DEEMED TO BE THE RESPONSIBILITY OF THE CONTRACTOR AND/OR SURVEYOR.

SAWCUTTING OF PAVEMENT SHALL BE REQUIRED FOR PAVEMENT REMOVAL IN EVERY LOCATION WHERE NEW PAVEMENT MUST MATCH EXISTING PAVEMENT.

LOCATION OF THE CONTRACTOR'S ENTRANCES, HAUL ROUTES AND STAGING AREA SHALL BE AS SHOWN ON SHEETS C1.4 - PROJECT LAYOUT.

ABC	AGGREGATE BASE COURSE
AC	ADVISORY CIRCULAR OR ASPHALTIC CONCRETE
ACI	AMERICAN CONCRETE INSTITUTE
AHD	AHEAD
AIP	AIRPORT IMPROVEMENT PROGRAM
ALP	AIRPORT LAYOUT PLAN
ALS	APPROACH LIGHT SYSTEM
AOA	AIR OPERATIONS AREA
APPROX	APPROXIMATE
APS	ARIZONA PUBLIC SERVICE
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
ATCT	AIR TRAFFIC CONTROL TOWER
AWOS	AUTOMATED WEATHER OBSERVATION SYSTEM
BK	BACK
BM	BENCH MARK
BT	BASIC TRANSPORT
BU	BASIC UTILITY
BVC	BEGIN VERTICAL CURVE
BVCE	BEGIN VERTICAL CURVE ELEVATION
BVCS	BEGIN VERTICAL CURVE STATION
CFR	CRASH, FIRE, AND RESCUE AND CODE OF FEDERAL REGULATIONS
CFS	CUBIC FEET PER SECOND
CIP	CAST IRON PIPE
CIPP	CAST-IN-PLACE CONCRETE PIPE
CL	CENTERLINE
CLR	CLEARANCE
CMP	CORRUGATED METAL PIPE
CPT	CONTROL POINT
CY	CUBIC YARDS
DIA	DIAMETER
DIP	DUCTILE IRON PIPE
E	EAST OR ELECTRICAL FEATURE
EA	ENVIRONMENTAL ASSESSMENT OR EACH
EL	ELEVATION
EOP	EDGE OF PAVEMENT
EVC	END VERTICAL CURVE
EVCE	END VERTICAL CURVE ELEVATION
EVCS	END VERTICAL CURVE STATION
EX	EXISTING
EXIST	EXISTING
FAA	FEDERAL AVIATION AGENCY (ADMINISTRATION)
FAR	FEDERAL AVIATION REGULATION
FBO	FIXED BASE OPERATOR
FH	FIRE HYDRANT
FL	FLOWLINE
FOD	FOREIGN OBJECT DAMAGE/DEBRIS
FPS	FEET PER SECOND
GA	GENERAL AVIATION OR GAUGE
GB	GRADE BREAK
GALV	GALVANIZED
GR	GRATE ELEVATION
GT	GENERAL TRANSPORT
GU	GENERAL UTILITY
HORIZ	HORIZONTAL
HP	HIGH POINT
IE	INVERT ELEVATION
IFR	INSTRUMENT FLIGHT RULES
ILS	INSTRUMENT LANDING SYSTEM
INT	INTERSECTION
IR	IRON ROD
IRRIG	IRRIGATION
JT	JOINT
KV	KILOVOLT
LF	LINEAR FEET
LS	LUMP SUM
LT	LEFT
MAG	MARICOPA ASSOCIATION OF GOVERNMENTS
MAX	MAXIMUM
MBE	MINORITY BUSINESS ENTERPRISE
MGW	MAXIMUM GROSS WEIGHT
MH	MANHOLE
MIN	MINIMUM
MIRL	MEDIUM INTENSITY RUNWAY LIGHTS
MITL	MEDIUM INTENSITY TAXIWAY LIGHTS
ML	MONUMENT LINE
N	NORTH
NE	NORTHEAST
NEC	NATIONAL ELECTRIC CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NPIAS	NATIONAL PLAN OF INTEGRATED AIRPORT SYSTEMS
NAVAID	NAVIGATIONAL AID
NDB	NON-DIRECTIONAL BEACON
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NIC	NOT IN CONTRACT
NO	NUMBER
NOTAM	NOTICE TO AIRMEN
NP	NON-PLASTIC
NPI	NON-PRECISION INSTRUMENT/NON-PAY ITEM
NTP	NOTICE TO PROCEED
NTS	NOT TO SCALE
NW	NORTHWEST
OC	ON CENTER
OD	OUTSIDE DIAMETER
OSHA	OCCUPATIONAL SAFETY AND HEALTH ACT
PAPI	PRECISION APPROACH PATH INDICATOR
PC	POINT OF CURVATURE
PCC	PORTLAND CEMENT CONCRETE OR POINT OF COMPOUND CURVE
PI	POINT OF INTERSECTION OR PLASTICITY INDEX
PL	PROPERTY LINE
POC	POINT ON CURVE
PP	POWER POLE

SHEET NUMBER	SHEET TITLE
BASE BID	
C1.1	COVER SHEET
C1.2	GENERAL NOTES
C1.3	GENERAL NOTES
C1.4	PROJECT LAYOUT
C1.5	CONSTRUCTION SAFETY AND PHASING PLAN
C1.6	CONSTRUCTION SAFETY AND PHASING PLAN
C1.7	STORMWATER POLLUTION PREVENTION PLAN
C2.1	DEMOLITION PLAN
C3.1	TYPICAL SECTIONS
C3.2	TYPICAL SECTIONS
C4.1	GEOMETRIC LAYOUT PLAN
C5.1	GRADING AND DRAINAGE
C5.2	STORM DRAIN PLAN AND PROFILE
C5.3	STORM DRAIN DETAILS
C6.1	PLAN AND PROFILE
C6.2	PLAN AND PROFILE
C6.3	PLAN AND PROFILE
C7.1	PAVEMENT MARKING PLAN
C7.2	PAVEMENT MARKING DETAILS
E1.0	ELECTRICAL SCOPE OF WORK
E1.1	ELECTRICAL LAYOUT PLAN
E2.1	ELECTRICAL DETAILS
E2.2	ELECTRICAL DETAILS
E2.3	ELECTRICAL DETAILS
E2.4	ELECTRICAL DETAILS
E2.5	ELECTRICAL DETAILS
E3.1	ELECTRICAL CIRCUIT MAP
ALTERNATIVE 1	
C2.2	DEMOLITION PLAN
C3.3	TYPICAL SECTIONS
C4.2	GEOMETRIC LAYOUT PLAN
C5.3	GRADING AND DRAINAGE
C5.4	STORM DRAIN PLAN AND PROFILE
C5.5	STORM DRAIN DETAILS
C6.4	PLAN AND PROFILE
C7.3	PAVEMENT MARKING PLAN
E1.2	ELECTRICAL LAYOUT PLAN
E3.2	ELECTRICAL CIRCUIT MAP
ALTERNATIVE 2	
C3.4	TYPICAL SECTIONS
C4.3	GEOMETRIC LAYOUT PLAN
C5.6	GRADING AND DRAINAGE
C5.7	STORM DRAIN DETAILS
C5.8	STORM DRAIN DETAILS
C7.4	PAVEMENT MARKING PLAN

	CENTERLINE/SURVEY LINE		EXISTING TAXIWAY EDGE LIGHT AND BASE
	PROPOSED EDGE OF STRUCTURAL PAVEMENT		PROPOSED TAXIWAY EDGE LIGHT AND BASE
	EXISTING EDGE OF STRUCTURAL PAVEMENT		EXISTING FUEL PUMP
	EXISTING CURB AND GUTTER		EXISTING MANHOLE
	EXISTING ELECTRIC		PROPOSED MANHOLE
	EXISTING SANITARY SEWER		EXISTING DRAINAGE INLET
	EXISTING CULVERT/PIPE		PROPOSED DRAINAGE INLET
	PROPOSED CULVERT/PIPE		EXISTING WATER METER
	APPROXIMATE LIMIT OF GRADING		PROPOSED WATER METER
	GRADE BREAK		EXISTING WATER VALVE
	DRAINAGE DITCH/SWALE		PROPOSED WATER VALVE
	EXISTING CHAIN LINK FENCE		PROPOSED DRYWELL
	PROPOSED CHAIN LINK FENCE		EXISTING FIRE HYDRANT
	EXISTING CONTOUR		PROPOSED FIRE HYDRANT
	PROPOSED CONTOUR		EXISTING GUIDANCE SIGN
	SURVEY MONUMENT		PROPOSED SILT BARRIER
	BORING LOG CORE LOCATION		PROPOSED STRAW BALE BARRIERS INSTALLED AT POINT DISCHARGE OUTLETS (SWALES AND DITCHES)
	PROPOSED SPOT ELEVATION		
	EXISTING ELECTRIC BOX/HANDHOLE		
	EXISTING COMMUNICATIONS BOX		
	EXISTING CONCRETE HANDHOLE		

K:\phx_ovation\191593014_coolidge oncall 04 task 5\CADD\191593014NT02.dwg May 01, 2025 Jason.Zhang

An aerial photograph of an airport tarmac and runway area. Overlaid on the image are several labels in white boxes with black text. At the top center is a large rectangular area with a black cross-hatch pattern, labeled 'APRON'. Below the apron, a narrow strip of land with the same cross-hatch pattern is labeled 'C3'. Further down is a larger rectangular area with the same pattern, labeled 'TAXIWAY C'. To the right of this area, a vertical strip of land with the same pattern is labeled 'C1'. At the bottom of the image is a wide, grey rectangular area labeled 'RUNWAY 5-23'. To the right of the runway, there are two distinct patterns: a series of horizontal white lines and a series of diagonal white lines. The background of the image is a dry, sandy landscape with sparse vegetation.

BASE BID
SCALE: 1"=150'

ALTERNATE 1 BID QUANTITIES

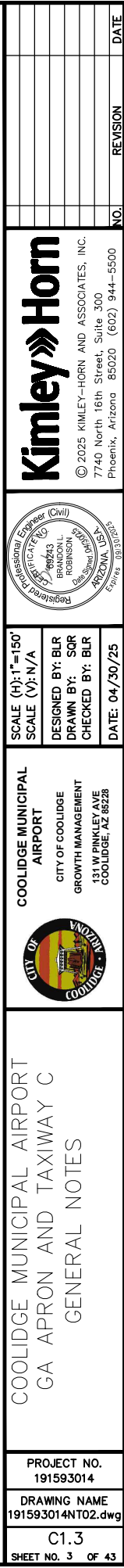
An aerial photograph of an airport terminal area. The image shows a large, irregularly shaped apron at the top, labeled 'APRON'. Below it is a narrow taxiway segment labeled 'C3'. Further down is a wider taxiway labeled 'TAXIWAY C'. To the right of 'TAXIWAY C' is a vertical taxiway segment labeled 'C2'. To the right of 'C2' is another vertical taxiway segment labeled 'C1'. At the bottom of the image is a long, straight runway labeled 'RUNWAY 5-23'. The runway has a centerline and edge markings. The surrounding terrain is dry and hilly.

ALTERNATIVE #1
SCALE: 1"=150'

ALTERNATE 2 BID QUANTITIES

An aerial photograph of an airport terminal area. The image shows a large rectangular area labeled 'APRON' at the top. Below it, a narrow strip of land is labeled 'TAXIWAY C'. To the right of Taxiway C, there are three parallel taxiways labeled 'C1', 'C2', and 'C3' from right to left. At the bottom of the image, a wide runway is labeled 'RUNWAY 5-23'. The runway has a '23' marking on its left side. The surrounding terrain is dry and hilly.

ALTERNATIVE #2
SCALE: 1"=150'



SURVEY CONTROL NOTES:

THE FIELD PORTION OF THIS SURVEY WAS PERFORMED DURING THE MONTH OF JULY, 2024.



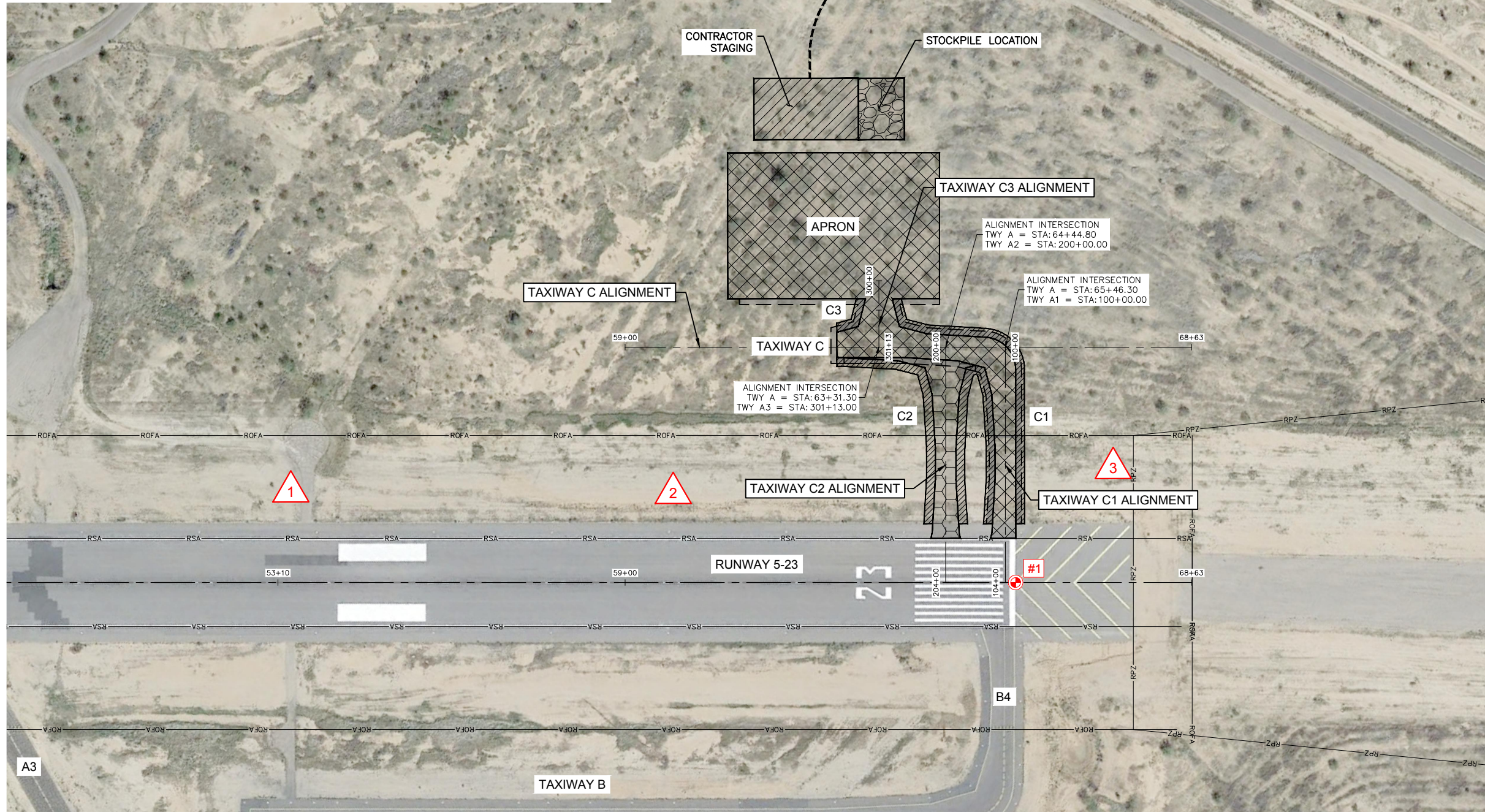
CONTROL POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	706762.99	852514.92	1575.19	SET 60D NAIL
2	706352.01	851888.71	1572.23	SET R+YC
3	706029.02	851324.77	1569.30	SET R+YC BM



CONTROL POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	706511.49	852468.60	157.99	FOUND WOOLPERT 1" CAP 2009 BM

ALIGNMENT DEFINITION TABLE

ALIGNMENT	BEARING	START STA.	START NORTHING	START EASTING	END STA.	END NORTHING	END EASTING
TAXIWAY C	N59°58'20"E	59+00	706525.81	851693.79	68+63	707007.61	852527.34
TAXIWAY C1	S30°01'40"E	100+00	706849.24	852253.34	104+00	706502.92	852453.51
TAXIWAY C2	S30°01'40"E	200+00	706798.45	852165.47	204+00	706452.13	852365.64
TAXIWAY C3	S30°01'40"E	300+00	706839.48	852010.65	301+13	706741.65	852067.20



LEGEND

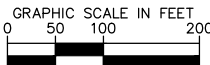
- PROJECT LIMITS (BASE BID)
- PROJECT LIMITS (ALTERNATE BID 1)
- PROJECT LIMITS (ALTERNATE BID 2)
- STOCKPILE AREA
- CONTRACTOR'S STAGING AREA (CONTRACTOR TO COORDINATE ACTUAL LOCATION WITH AIRPORT PRIOR TO STARTING CONSTRUCTION)
- PRIMARY CONTROL POINT
- SURVEY CONTROL POINT
- HAUL ROUTE / SITE ACCESS
- RSA RUNWAY SAFETY AREA
- ROFA RUNWAY OBJECT FREE AREA
- RPZ RUNWAY PROTECTION ZONE

GENERAL NOTES:

- THE CONTRACTOR SHALL COORDINATE ANY NECESSARY CLOSURES WITH THE AIRPORT, PRIOR TO STARTING WORK.
- THE CONTRACTOR SHALL VERIFY THE BARRICADES FOR EACH PHASE OF THE PROJECT ARE IN THE CORRECT LOCATION, ARE PROPERLY SECURED, AND ARE IN PROPER WORKING ORDER PRIOR TO STARTING WORK EACH DAY/NIGHT OF THE PROJECT.
- THE CONTRACTOR SHALL NOT STRAY FROM THE HAUL ROUTE / SITE ACCESS DESIGNATED ON THE PROJECT LAYOUT PLAN.
- THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING THE HAUL ROUTE / SITE ACCESS DURING THE PROJECT. THE CONTRACTOR WILL REPAIR THE HAUL ROUTE / SITE ACCESS AS NECESSARY AT THE END OF THE PROJECT (AT THE CONTRACTOR'S EXPENSE).
- CONTRACTOR SHALL COORDINATE WITH AND OBTAIN APPROVAL FROM AIRPORT OPERATIONS REGARDING USE OF ANY AIRPORT GATE. AIRPORT OPERATIONS MAY ALLOW ACCESS FROM OTHER GATES BASED ON AVAILABILITY OF SECURITY STAFF.
- CONTRACTOR TO ENSURE THAT NO CONSTRUCTION TRAFFIC ENTERING SITE BACKS UP ON OR BLOCKS ANY PUBLIC STREET.
- ANY EXISTING PAVEMENT AREA ALONG ANY HAUL ROUTE SHALL BE ADEQUATELY PLATED, UNLESS APPROVED OTHERWISE PRIOR TO HAULING ACTIVITIES.

PROJECT DESCRIPTION

THIS PROJECT CONSISTS OF CONSTRUCTING A GENERAL AVIATION APRON WITH A PARTIAL PARALLEL TAXIWAY C AND CONNECTOR TAXIWAYS C1, C2 AND C3 AT THE COOLIDGE MUNICIPAL AIRPORT IN COOLIDGE, AZ. THIS PROJECT WILL INCLUDE THE SAWCUTTING AND REMOVAL OF EXISTING AC PAVEMENT, EXCAVATION AND INSTALLATION OF DRAINAGE AND ELECTRICAL INFRASTRUCTURE, GRADING, AGGREGATE BASE COURSE, CONSTRUCTION OF NEW AC PAVEMENT AND PAVEMENT MARKINGS.



PROJECT NO.
191593014

DRAWING NAME
191593014PL.dwg

C1.4

SHEET NO. 4 OF 43

COOLIDGE MUNICIPAL AIRPORT
GA APRON AND TAXIWAY C
PROJECT LAYOUT

DESIGNED BY: BLR
DRAWN BY: SQR
CHECKED BY: BLR
DATE: 04/30/25

SCALE (H): 1"=100'
SCALE (V): N/A

DESIGNED BY: BLR
DRAWN BY: SQR
CHECKED BY: BLR
DATE: 04/30/25

PROJECT NO.
191593014

DRAWING NAME
191593014PL.dwg

C1.4

SHEET NO. 4 OF 43

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
7740 North 16th Street, Suite 300
Phoenix, Arizona 85020 (602) 944-5500

Professional Engineer (Civil)
BRANDON L. ROBINSON
No. 191593014
Expires 08/31/25

COOLIDGE MUNICIPAL AIRPORT
CITY OF COOLIDGE
GROWTH MANAGEMENT
131 W PINKLEY AVE
COOLIDGE, AZ 85228

COOLIDGE MUNICIPAL AIRPORT
GA APRON AND TAXIWAY C
PROJECT LAYOUT

PROJECT NO.
191593014

DRAWING NAME
191593014PL.dwg

C1.4

SHEET NO. 4 OF 43



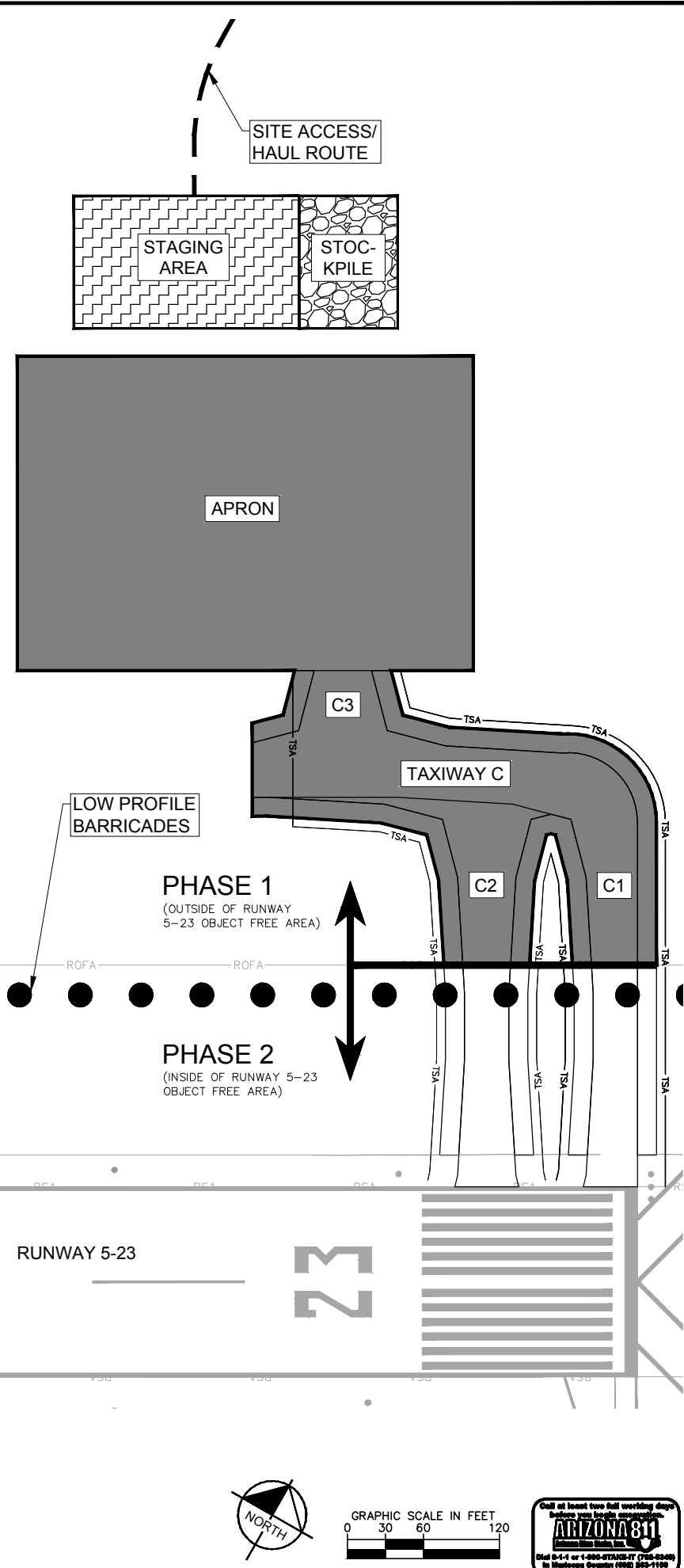
<u>PHASE 1 AIRFIELD CLOSURES</u>	
RUNWAYS CLOSED	N/A
TAXIWAYS CLOSED	N/A
APRONS CLOSED	N/A
ACCESS ROADS CLOSED	N/A

LEGEND

- | | |
|---|---|
|  | PHASE 1 |
|  | STAGING AREA |
|  | STOCKPILE LOCATION |
|  | AREAS CLOSED TO AIRFIELD OPERATIONS |
|  | LIGHTED X (TO BE PROVIDED/
MAINTAINED BY CONTRACTOR) |
|  | LOW PROFILE BARRICADES (TO BE
PROVIDED/MAINTAINED BY CONTRACTOR) |
|  | C-23 SHERPA (NOT TO SCALE) |
|  | AIRCRAFT TRAFFIC ROUTE DURING
CONSTRUCTION |
|  | RUNWAY SAFETY AREA |
|  | HAUL ROUTE/SITE ACCESS |

GENERAL NOTES:

1. THE CONTRACTOR SHALL NOT START WORK UNTIL A N.T.P. HAS BEEN ISSUED BY THE CITY OF COOLIDGE.
2. THE CONTRACTOR SHALL COORDINATE ANY NECESSARY CLOSURES WITH THE AIRPORT, PRIOR TO STARTING WORK.
3. THE CONTRACTOR SHALL VERIFY THE BARRICADES AND LIGHTED X'S FOR EACH PHASE OF THE PROJECT ARE IN THE CORRECT LOCATION, ARE PROPERLY SECURED, AND ARE IN PROPER WORKING ORDER PRIOR TO STARTING WORK EACH DAY/NIGHT OF THE PROJECT.
4. THE CONTRACTOR SHALL NOT STRAY FROM THE HAUL ROUTE / SITE ACCESS DESIGNATED ON THE PROJECT LAYOUT PLAN, SEE SHEET C1.4.





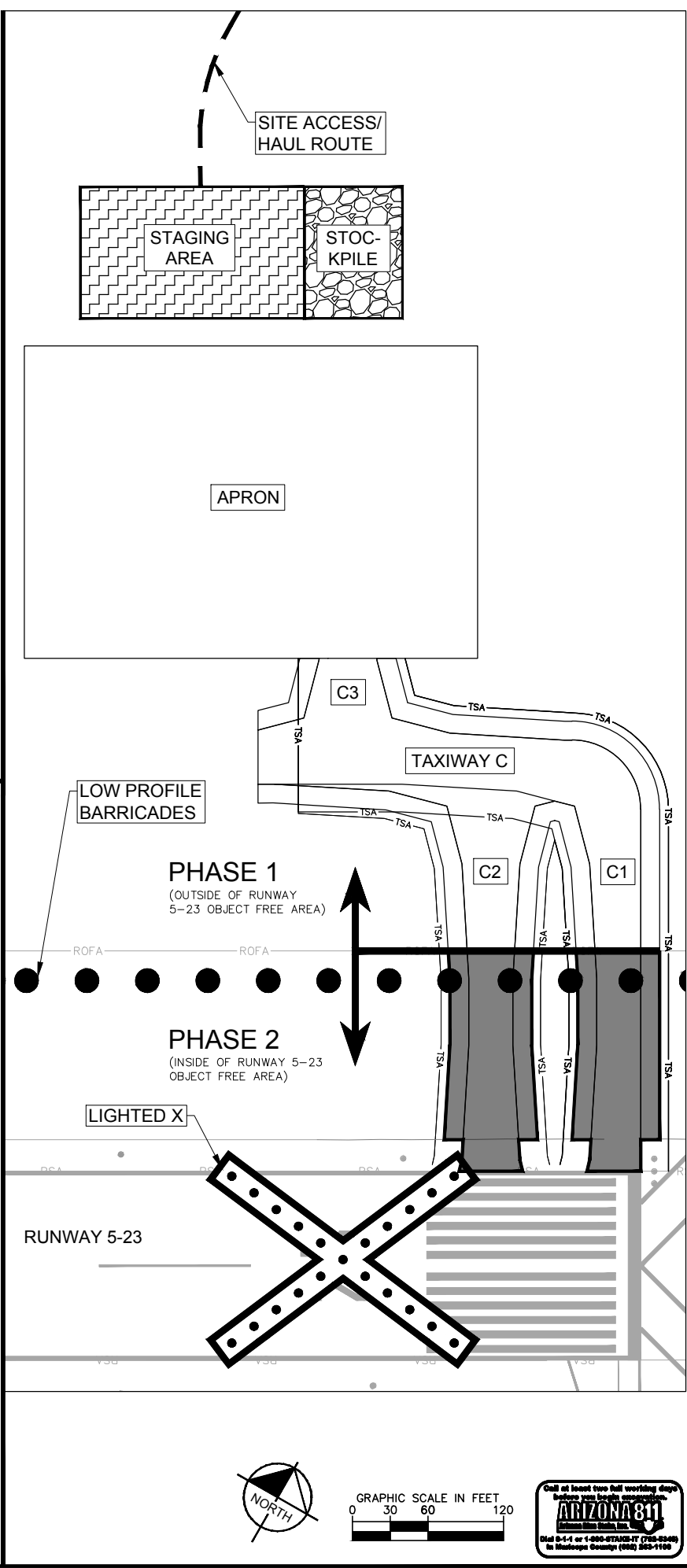
<u>PHASE 2 AIRFIELD CLOSURES</u>	
RUNWAYS CLOSED	RUNWAY 5-23
TAXIWAYS CLOSED	TAXIWAYS A2 (PORTION), B, B2, B3, B4
APRONS CLOSED	N/A
ACCESS ROADS CLOSED	N/A

LEGEND

- | | |
|---|---|
|  | PHASE 2 |
|  | STAGING AREA |
|  | STOCKPILE LOCATION |
|  | AREAS CLOSED TO AIRFIELD OPERATIONS |
|  | LIGHTED X (TO BE PROVIDED/
MAINTAINED BY CONTRACTOR) |
|  | LOW PROFILE BARRICADES (TO BE
PROVIDED/MAINTAINED BY CONTRACTOR) |
|  | C-23 SHERPA (NOT TO SCALE) |
|  | AIRCRAFT TRAFFIC ROUTE DURING
CONSTRUCTION |
|  | RUNWAY SAFETY AREA |
|  | HAUL ROUTE/SITE ACCESS |

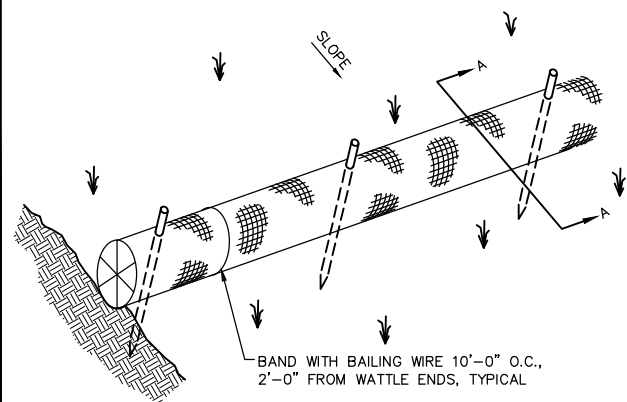
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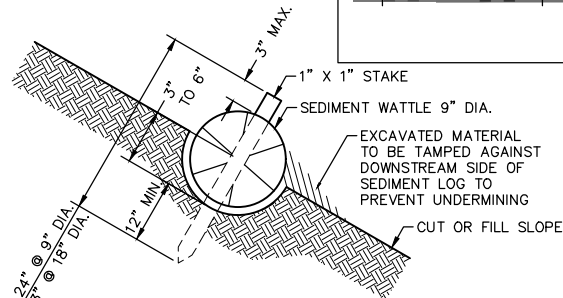


MATCHLINE: SEE TOP RIGHT

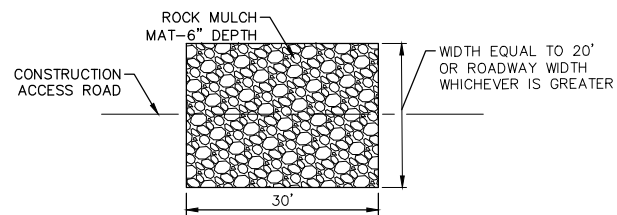
RUNWAY 5-23



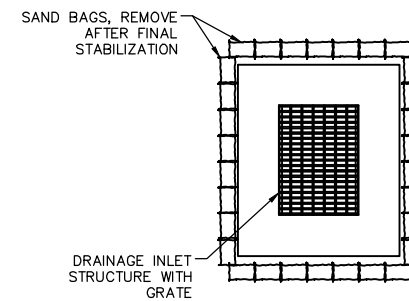
1 SEDIMENT WATTLE INSTALLATION



SECTION A-A

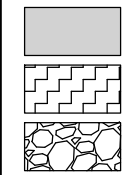


2 VEHICLE TRACKING CONTROL PAD
C1.7 OR APPROVED ALTERNATE
N.T.S.



3 DRAINAGE INLET PROTECTION
C1.7 N.T.S.

LEGEND



—ROFA— RUNWAY OBJECT FREE AREA

----- HAUL ROUTE/SITE ACCESS



DRAINAGE INLET PROTECTION
SEE DETAIL 3 THIS SHEET

—SW— SEDIMENT WATTLE INSTALLATION
PER DETAIL 1, THIS SHEET



VEHICLE TRACKING CONTROL PAD
PER DETAIL 2 THIS SHEET



EXISTING AND PROPOSED FLOW
DIRECTION

GENERAL NOTES:

1. THE CONTRACTOR SHALL NOT START WORK UNTIL A N.T.P. HAS BEEN ISSUED BY THE CITY OF COOLIDGE.
2. THE CONTRACTOR SHALL COORDINATE ANY NECESSARY CLOSURES WITH THE AIRPORT, PRIOR TO STARTING WORK.
3. THE CONTRACTOR SHALL VERIFY THE BARRICADES AND LIGHTED X'S FOR EACH PHASE OF THE PROJECT ARE IN THE CORRECT LOCATION, ARE PROPERLY SECURED, AND ARE IN PROPER WORKING ORDER PRIOR TO STARTING WORK EACH DAY/NIGHT OF THE PROJECT.
4. THE CONTRACTOR SHALL NOT STRAY FROM THE HAUL ROUTE / SITE ACCESS DESIGNATED ON THE PROJECT LAYOUT PLAN, SEE SHEET C1.4.



SCALE (H): 1"=60'
SCALE (V): N/A
DESIGNED BY: BIR

DRAWN BY: SQR
CHECKED BY: BLR

DATE: 04/30/25



**COOLIDGE MUNICIPAL
AIRPORT**

CITY OF COOLIDGE
GROWTH MANAGEMENT
131 W PINKLEY AVE
COOLIDGE, AZ 85228

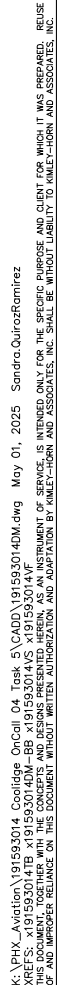
COOLIDGE MUNICIPAL AIRPORT GA APRON AND TAXIWAY C STORMWATER POLLUTION PREVENTION PLAN

PROJECT NO.
191593014

DRAWING NAME
593014SWPPP.dwg

1.7

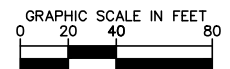
SHEET NO. 7 OF 43



	REMOVE AND DISPOSE EXISTING AC SHOULDER PAVEMENT (FULL DEPTH)
	CLEAR AND GRUB

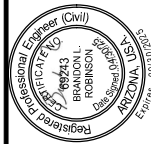
1. EXISTING UTILITY INFORMATION SHOWN ON THE PLANS CONCERNING THE TYPE, SIZE, AND LOCATION WERE COMPILED BASED ON THE UTILITY RECORDS AVAILABLE TO THE ENGINEER. THE CONTRACTOR SHALL PROVIDE A UTILITY LOCATOR AND VERIFY THE ACTUAL LOCATION OF UTILITIES PRIOR TO CONSTRUCTION. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT ALL EXISTING UTILITIES IN PLACE UNLESS NOTED OR SPECIFIED OTHERWISE. ANY DAMAGE TO EXISTING UTILITIES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE. UTILITIES INTERFERING WITH CONSTRUCTION SHALL BE RESET OR RELOCATED BY THE UTILITY COMPANY CONCERNED UNLESS NOTED OTHERWISE.
2. REFER TO SHEET C1.4 FOR ALL ALIGNMENT DEFINITIONS.
3. REFER TO SHEET C1.3 FOR BID ALTERNATIVES.
4. ALL STATIONING AND OFFSETS ARE BASED OFF TAXIWAY C ALIGNMENT UNLESS OTHERWISE NOTED.

- ① REMOVE AND DISPOSE OF EXISTING AC PAVEMENT (DEPTH VARIES), LIMITS OF REMOVAL PER PLAN.
- ② CLEAR AND GRUB.
- ③ SAWCUT EXISTING AC PAVEMENT.
- ④ REFER TO ELECTRICAL SHEETS.



PROJECT NO. 191593014
DRAWING NAME 191593014DM.dwg
C2.1
SHEET NO. 8 OF 43

Kimley»»Horn



SCALE (H): 1"=40'
SCALE (V): N/A

DESIGNED BY: BLR
DRAWN BY: SQR
CHECKED BY: BLR

DATE: 04/30/25

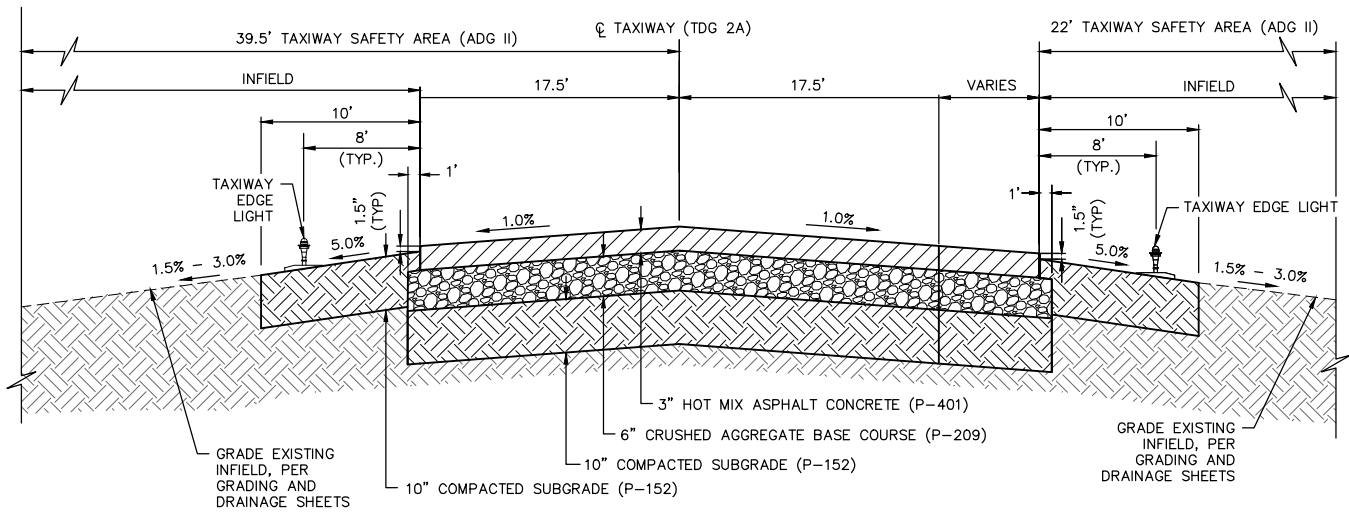


Call at least two full working days
before you begin construction.

ARIZONA 811
Subsidence Risk Study, Inc.

Mail 8-1-1 or 1-800-877-8111 (732-63-08)
In Maricopa County (602) 263-1000

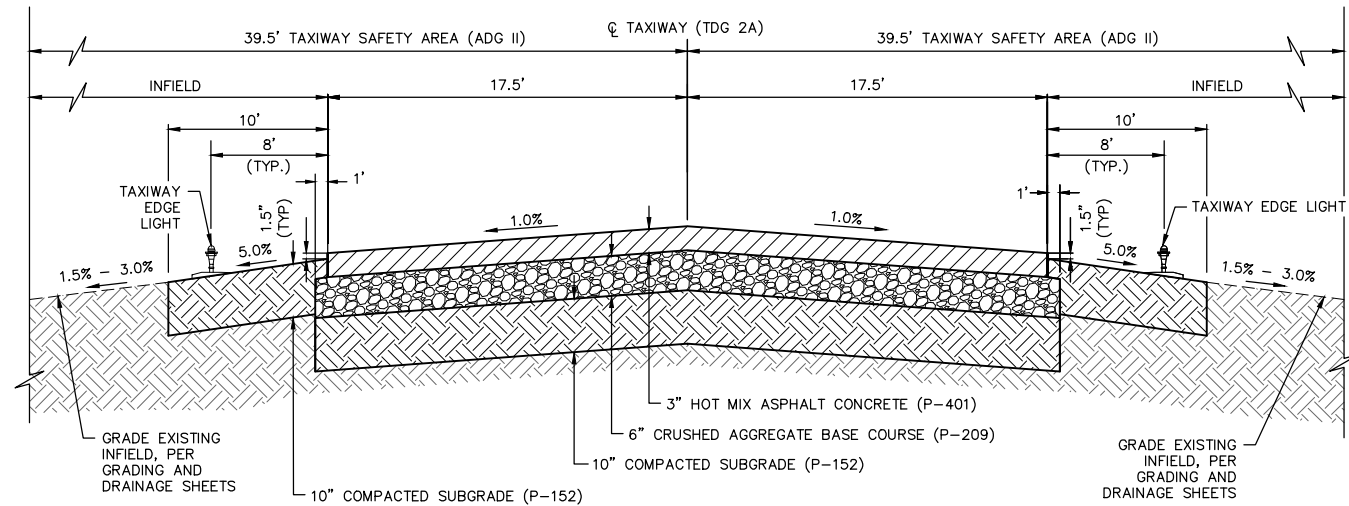
K:\P\191593014 Coolidge OnCall 04 Task 5\CAID\191593014TS_2.dwg May 01, 2025 Sandra.QuinonezRomirez
XREFS: 191593014TS
THIS DOCUMENT, TOGETHER WITH THE CONCEPTS AND DESIGNS PRESENTED HEREIN, IS INTENDED ONLY FOR THE SPECIFIC PURPOSE AND CLIENT FOR WHICH IT WAS PREPARED. REUSE
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TAXIWAY C1 TYPICAL SECTION
(TAXIWAY C1 ALIGNMENT - STA: 100+00.00 TO STA: 101+72.00
AND STA:102+25.00 TO 103+25.00)

5
C3.2

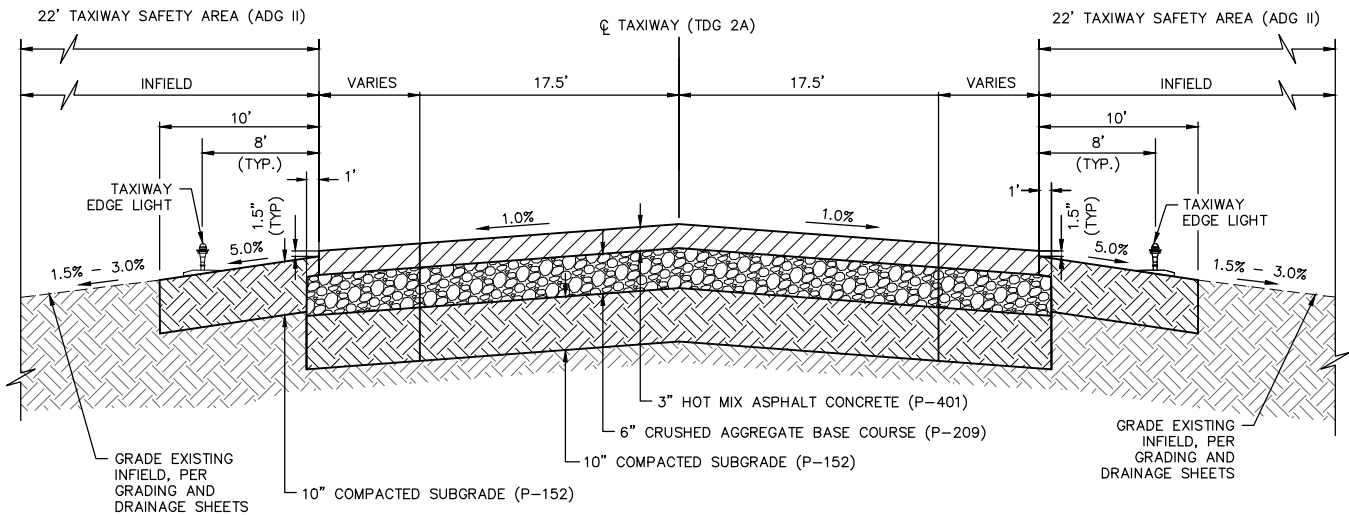
N.T.S.



TAXIWAY C1 TYPICAL SECTION
(TAXIWAY C1 ALIGNMENT - STA: 101+72.00 TO STA: 102+25.00)

6
C3.2

N.T.S.



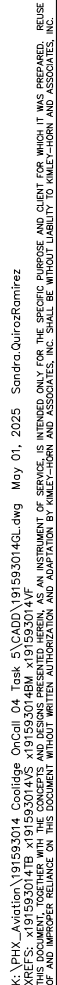
TAXIWAY C3 TYPICAL SECTION
(TAXIWAY C3 ALIGNMENT - STA: 300+30.50 TO STA: 300+95.50)

7
C3.2

N.T.S.



PROJECT NO. 191593014	
DRAWING NAME 191593014TS_2.dwg	
C3.2	
SHEET NO. 10 OF 43	
COOLIDGE MUNICIPAL AIRPORT GA APRON AND TAXIWAY C TYPICAL SECTIONS (BASE BID)	
CITY OF COOLIDGE GROWTH MANAGEMENT 131 W PINKLEY AVE COOLIDGE, AZ 85228	
COOLIDGE MUNICIPAL AIRPORT	
DESIGNED BY: BLR DRAWN BY: SOR CHECKED BY: BLR DATE: 04/30/25	
Professional Engineer (Civil) BRANDON L. ROBINSON P.E. No. 18443 Arizona Expires 12/31/2026	
Kimley»Horn © 2025 KIMLEY-HORN AND ASSOCIATES, INC. 7740 North 16th Street, Suite 300 Phoenix, Arizona 85020 (602) 944-5500	
NO.	REVISION
DATE	



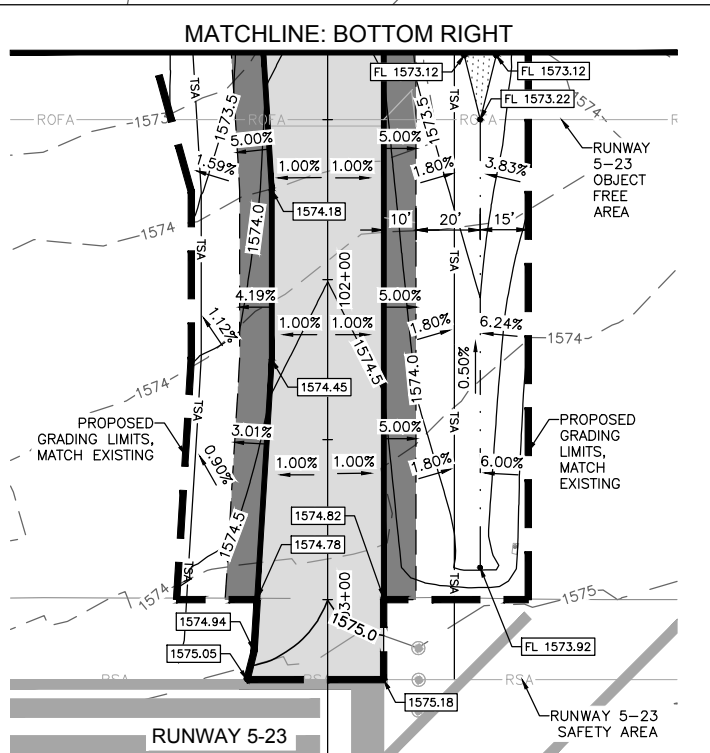
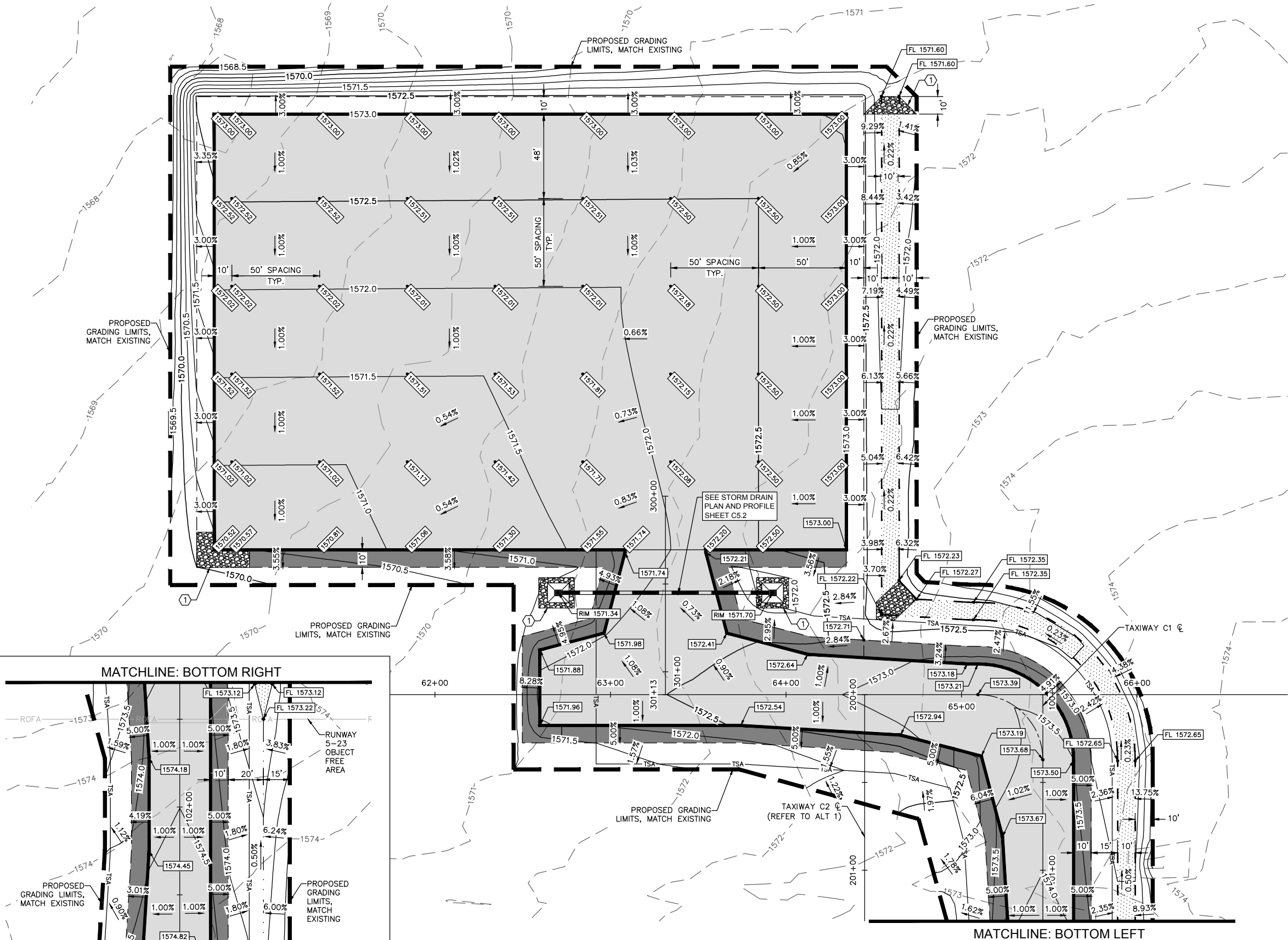
PROJECT NO. 191593014
DRAWING NAME 191593014GL.dwg
C4.1
SHEET NO. 11 OF 43

Call at least two full working days
before you begin construction.

ARIZONA 811
Arizona One Stop, Inc.

Dial 8-1-1 or 1-800-STAKE-IT (755-5346)
in Maricopa County (602) 263-1100

K:\New_Aviation\191593014_Coolidge_Airport\04_Taxiway\191593014_4GD.dwg, May 01, 2025 Sandra.Quintero@kimley-horn.com
K:\New_Aviation\191593014_Coolidge_Airport\04_Taxiway\191593014_4GD.dwg, May 01, 2025 Sandra.Quintero@kimley-horn.com
K:\New_Aviation\191593014_Coolidge_Airport\04_Taxiway\191593014_4GD.dwg, May 01, 2025 Sandra.Quintero@kimley-horn.com
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LEGEND

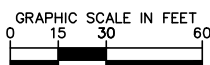
- NEW ASPHALT PAVEMENT
- STABILIZED SHOULDERS
- BOTTOM OF DRAINAGE CHANNEL
- RIP RAP
- TSA TAXIWAY SAFETY AREA (ADG II)
- PROPOSED CONTOUR
- EXISTING CONTOUR
- FLOW LINE
- GRADE BREAK
- FLOW DIRECTION
- GRADING LIMITS
- EDGE OF PAVEMENT. PROVIDE 1.5" DROP

GENERAL NOTES:

- ALL STATIONING AND OFFSETS ARE BASED OFF TAXIWAY C ALIGNMENT UNLESS OTHERWISE NOTED. REFER TO SHEET C1.4 FOR ALIGNMENT DEFINITION.
- CONTRACTOR SHALL MATCH EXISTING PAVEMENT ELEVATIONS AS SHOWN ON PLAN. IF EXISTING ELEVATIONS DIFFER FROM THOSE SHOWN, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY.
- REFER TO SHEET C2.1 FOR DEMOLITION PLAN.
- REFER TO SHEET C4.1 FOR GEOMETRIC LAYOUT PLAN.

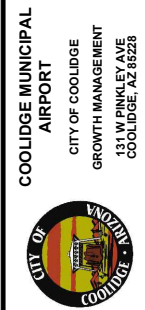
CONSTRUCTION NOTES:

- INSTALL D50 UNGROUTED RIPRAP WITH GEOTEXTILE FABRIC, MIN 2' DEPTH.

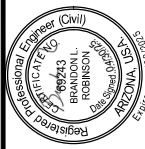


COOLIDGE MUNICIPAL AIRPORT
GA APRON AND TAXIWAY C
GRADING AND DRAINAGE
(BASE BID)

PROJECT NO.
191593014
DRAWING NAME
191593014GD.dwg
C5.1
SHEET NO. 12 OF 43

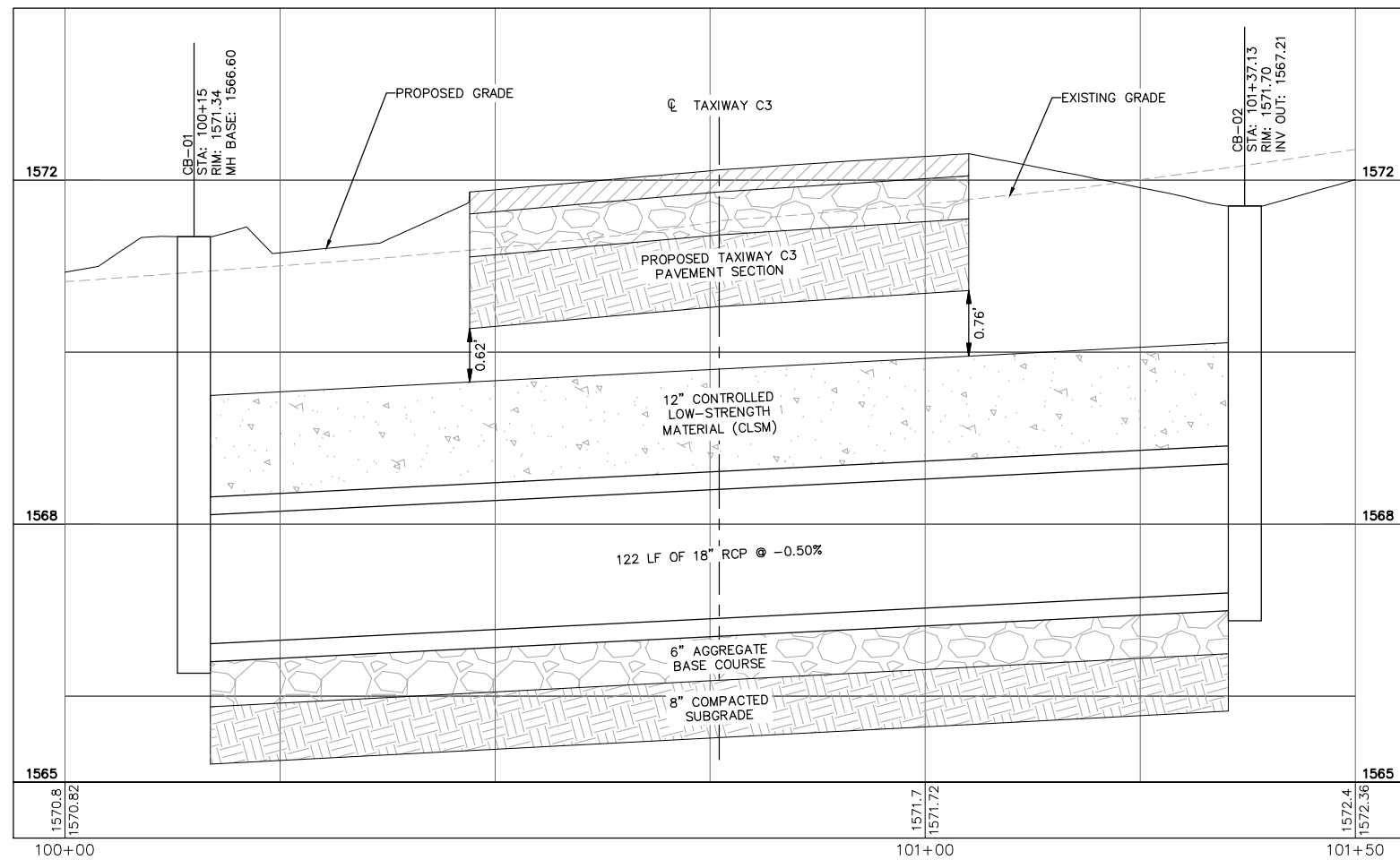
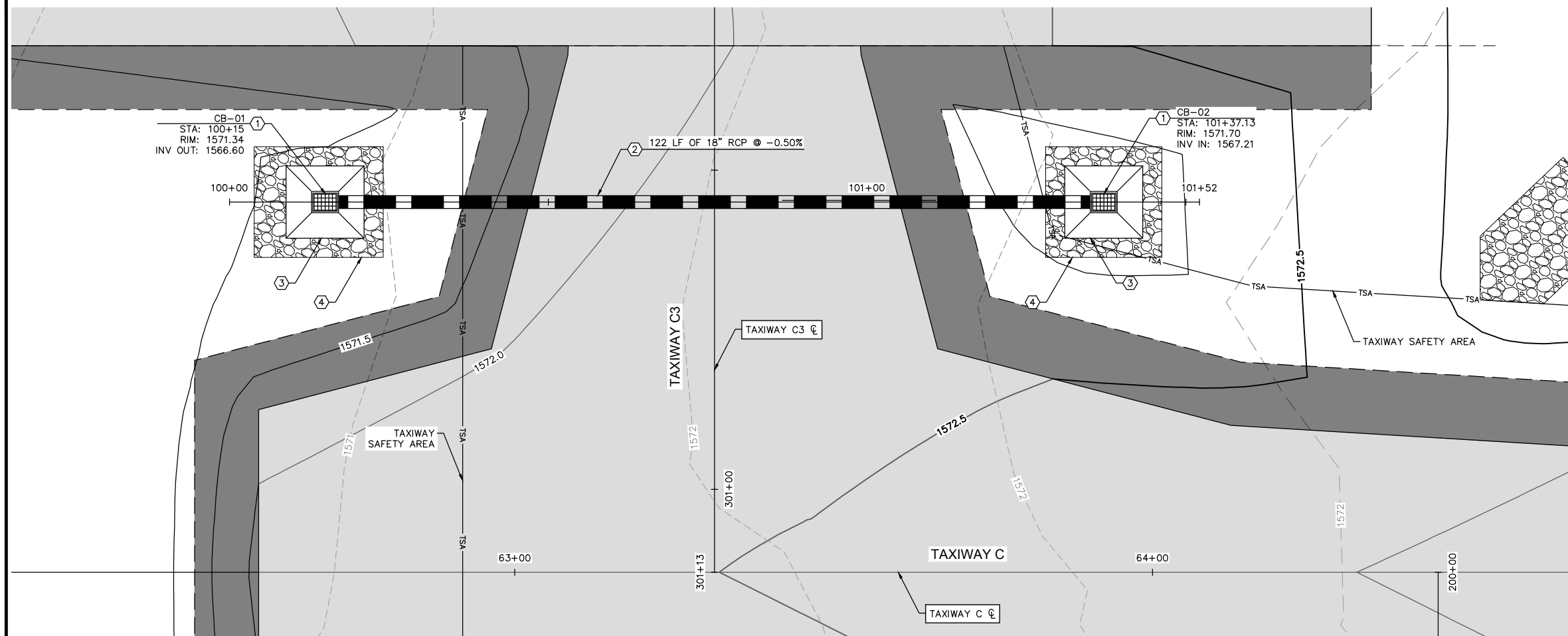


SCALE (H): 1" = 30'
SCALE (V): N/A
DESIGNED BY: BLR
DRAWN BY: SQR
CHECKED BY: BLR
DATE: 04/30/25



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7740 North 16th Street, Suite 300
Phoenix, Arizona 85020 (602) 944-5500

NO.	REVISION	DATE



LEGEND



PROPOSED STORM DRAIN PIPE



PROPOSED CATCH BASIN

GENERAL NOTES:

1. REFER TO SHEET C2.1 FOR DEMOLITION PLAN.
2. REFER TO SHEET C4.1 FOR GEOMETRIC LAYOUT PLAN.
3. REFER TO SHEET C5.1 FOR GRADING AND DRAINAGE PLAN.

CONSTRUCTION NOTES:

- ① INSTALL CATCH BASIN PER MAG STD DET 537
TYPE G. RIM AND INVERT PER PLAN.
- ② INSTALL STORM DRAIN PIPE. LENGTH, SIZE,
MATERIAL, AND SLOPE PER PLAN. TRENCH DETAIL
PER DETAIL 1 ON SHEET C5.3.
- ③ CONSTRUCT CONCRETE APRON PER ADOT DET
C-15.80. ELEVATIONS PER DETAILS ON SHEET
C5.3.
- ④ INSTALL D50 UNGROUTED RIPRAP WITH
GEOTEXTILE FABRIC, MIN 2' DEPTH. INSTALL PER
DETAILS ON SHEET C5.3.



SCALE (H): 1"=10'
SCALE (V): 1"=10'
DESIGNED BY: BLR
DRAWN BY: SQR
CHECKED BY: BLR
DATE: 04/30/25



**COOLIDGE MUNICIPAL
AIRPORT**

CITY OF COOLIDGE

GROWTH MANAGEMENT

**131 W PINKLEY AVE
COOLIDGE, AZ 85228**

COOLIDGE MUNICIPAL AIRPORT
GA APRON AND TAXIWAY C
STORM DRAIN PLAN AND PROFILE
(BASE BID)

PROJECT NO.
191593014

DRAWING NAME
191593014SD.dwg

C5.2

SHEET NO. 13 OF 43

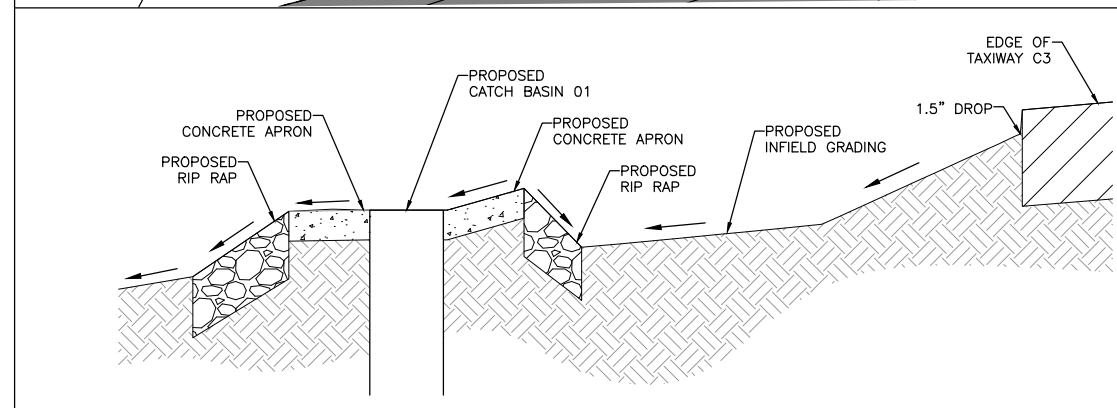
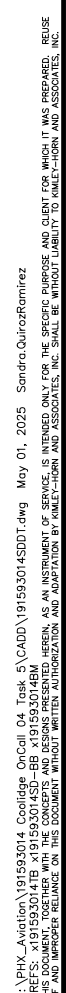


GRAPHIC SCALE IN FEET

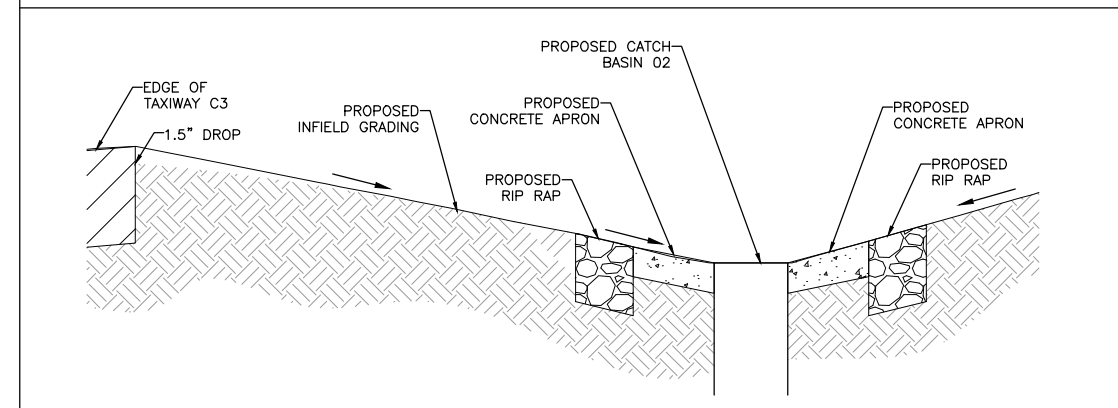


A horizontal line with vertical tick marks at 0, 5, 10, and 20. The segment between 0 and 5 is shaded black. The segment between 5 and 10 is white. The segment between 10 and 20 is shaded black.





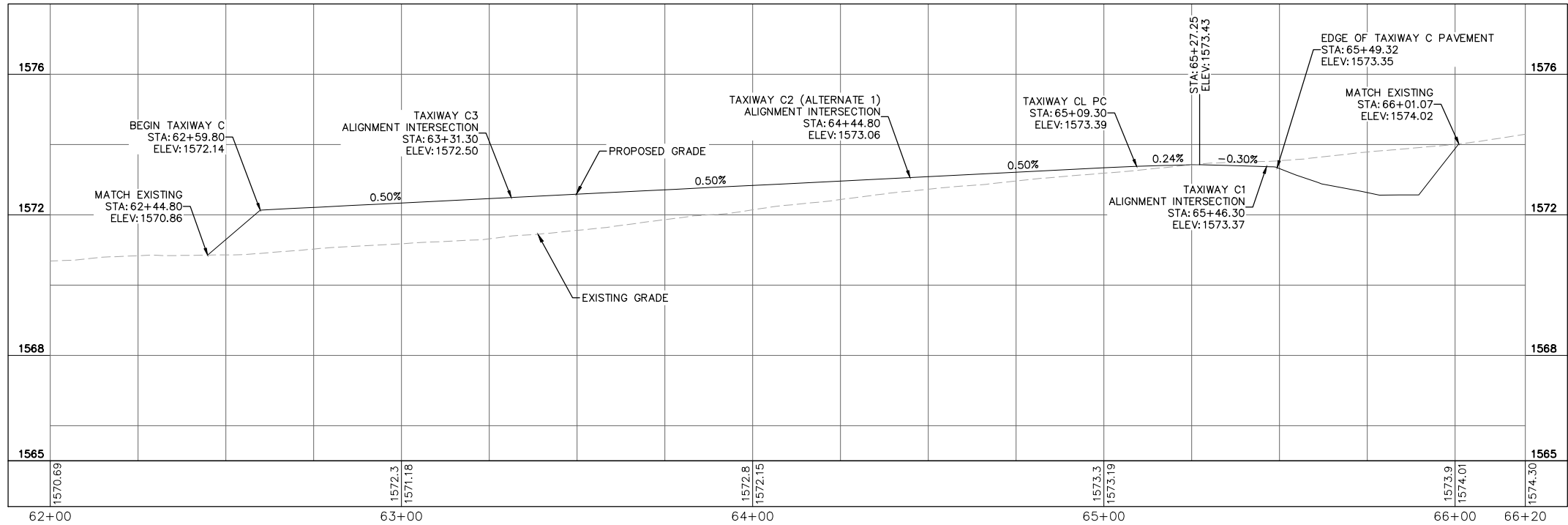
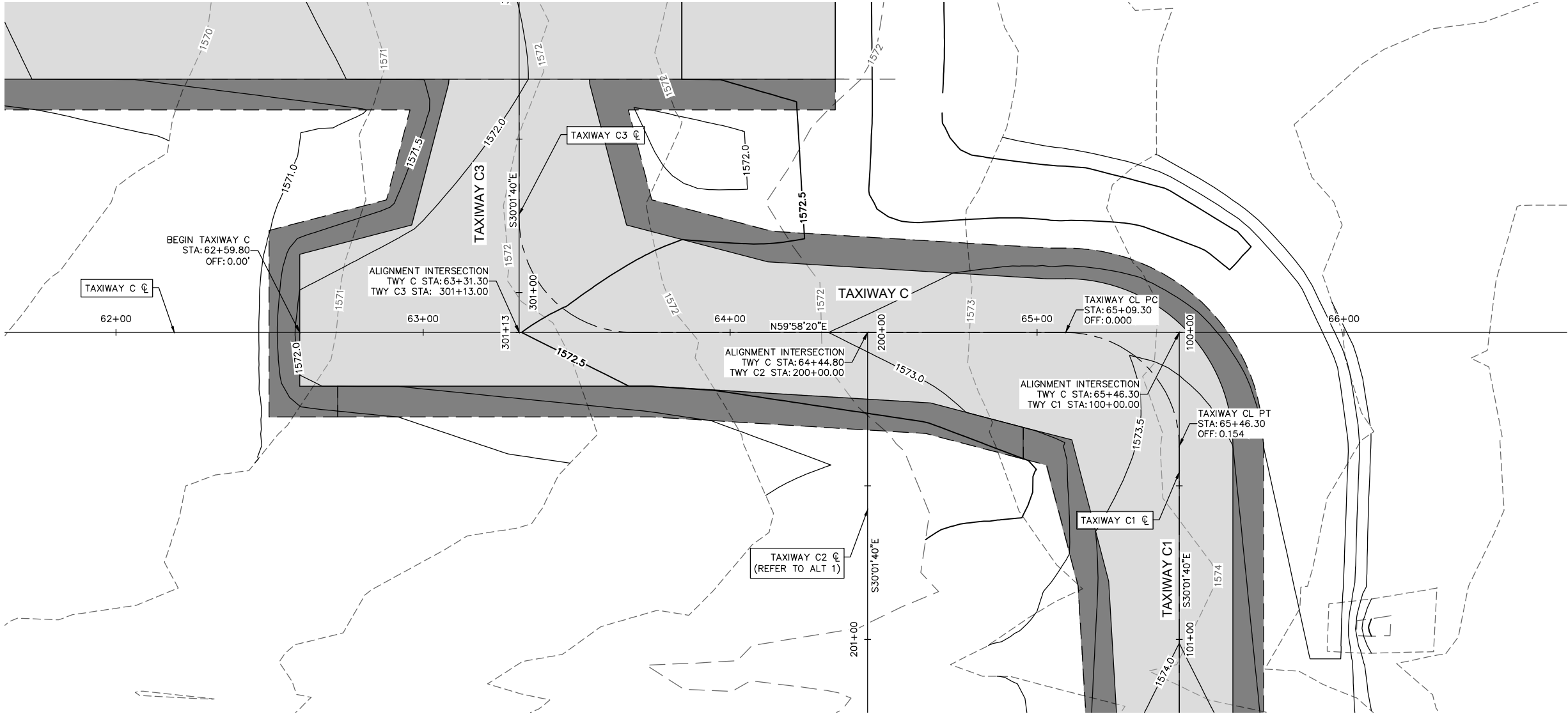
CATCH BASIN 01 APRON AND RIP RAP DETAIL



3 CATCH BASIN 02 APRON AND RIP RAP DETAIL
C5.3 1"=5'



K:\NEW_Aviation\191593014_Coolidge Airport\04_Taxiway C\191593014PP.dwg May 01, 2025 Sandra.Quiroz@kimley-horn.com
K:\NEW_Aviation\191593014_Coolidge Airport\04_Taxiway C\191593014PP.dwg May 01, 2025 Sandra.Quiroz@kimley-horn.com
K:\NEW_Aviation\191593014_Coolidge Airport\04_Taxiway C\191593014PP.dwg May 01, 2025 Sandra.Quiroz@kimley-horn.com
K:\NEW_Aviation\191593014_Coolidge Airport\04_Taxiway C\191593014PP.dwg May 01, 2025 Sandra.Quiroz@kimley-horn.com



TAXIWAY C PROFILE

LEGEND

- NEW ASPHALT PAVEMENT
- PROPOSED CONTOUR
- EXISTING CONTOUR

GENERAL NOTES:

- REFER TO SHEET C2.1 FOR DEMOLITION PLAN.
- REFER TO SHEET C4.1 FOR GEOMETRIC LAYOUT PLAN.
- REFER TO SHEET C5.1 FOR GRADING AND DRAINAGE PLAN.

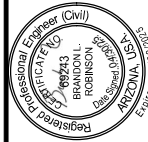
COOLIDGE MUNICIPAL AIRPORT
GA APRON AND TAXIWAY C
PLAN AND PROFILE
(BASE BID)

PROJECT NO.
191593014
DRAWING NAME
191593014PP.dwg
C6.1
SHEET NO. 15 OF 43



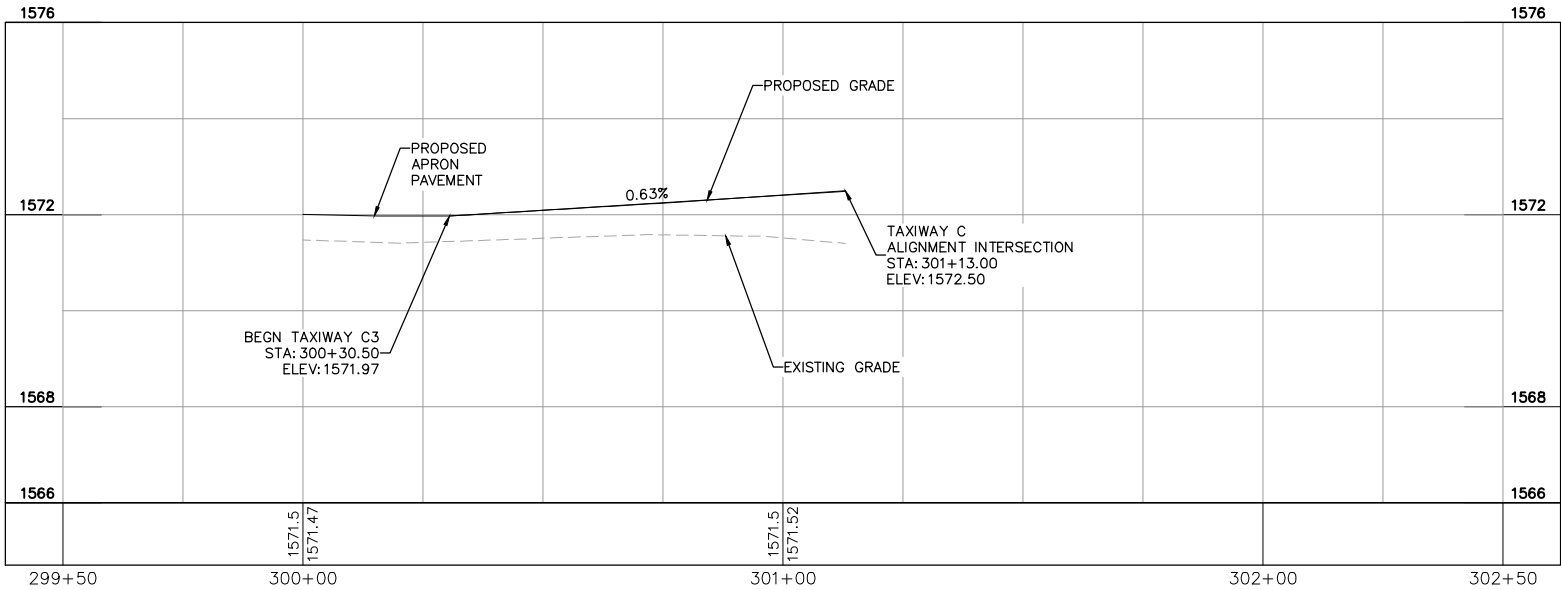
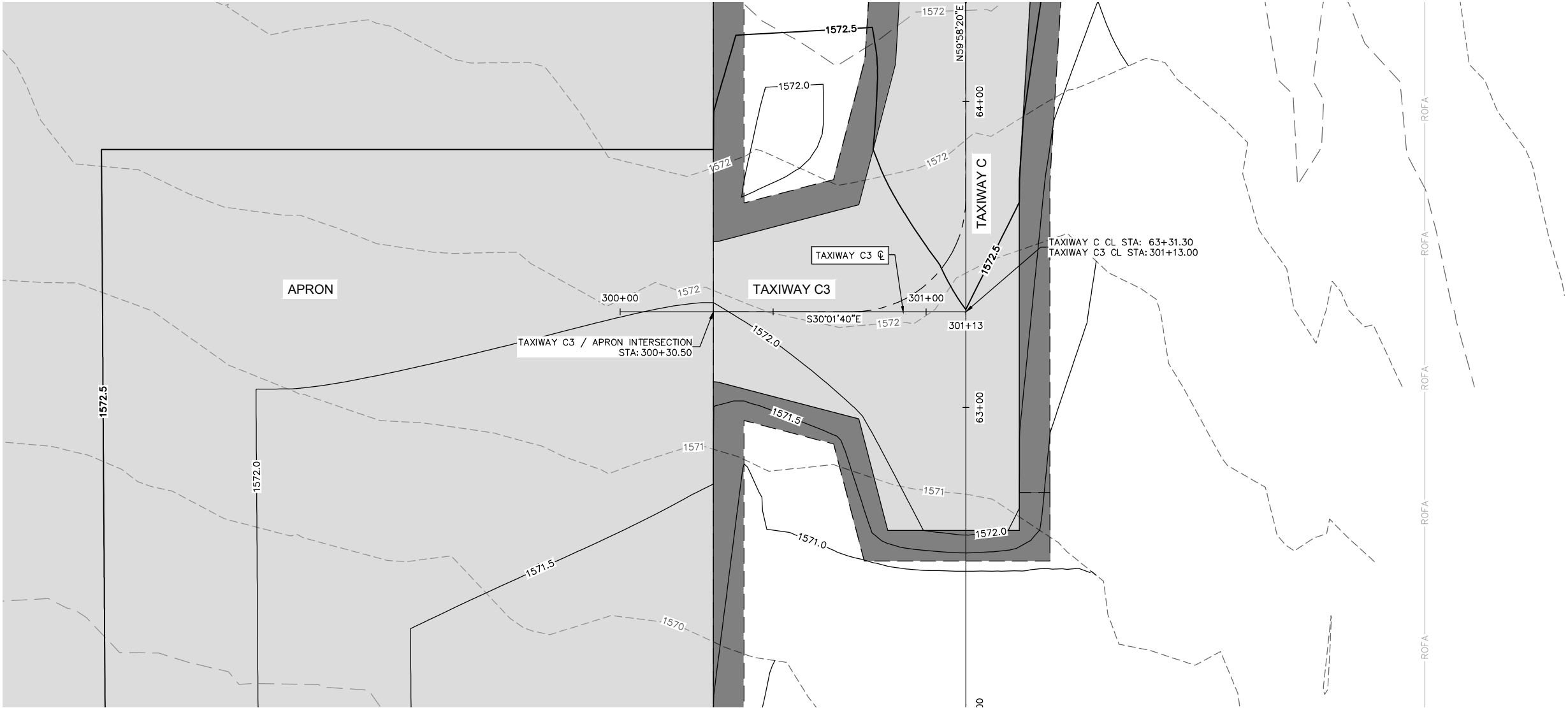
CITY OF COOLIDGE
GROWTH MANAGEMENT
131 W PINKLEY AVE
COOLIDGE, AZ 85228

SCALE (H): 1" = 20'
SCALE (V): 1" = 20'
DESIGNED BY: BLR
DRAWN BY: SQR
CHECKED BY: BLR
DATE: 04/30/25



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Phoenix, Arizona 85020 (602) 944-5500

K:\New_Aviation\191593014_Coolidge Airport\04_Taxiway C3\191593014PP.dwg May 01, 2025 Sandra Quiroz Ramirez
K:\New_Aviation\191593014_Coolidge Airport\04_Taxiway C3\191593014PP.dwg May 01, 2025 Sandra Quiroz Ramirez
K:\New_Aviation\191593014_Coolidge Airport\04_Taxiway C3\191593014PP.dwg May 01, 2025 Sandra Quiroz Ramirez
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TAXIWAY C3 PROFILE

LEGEND

- NEW ASPHALT PAVEMENT
- PROPOSED CONTOUR
- EXISTING CONTOUR

GENERAL NOTES:

- REFER TO SHEET C2.1 FOR DEMOLITION PLAN.
- REFER TO SHEET C4.1 FOR GEOMETRIC LAYOUT PLAN.
- REFER TO SHEET C5.1 FOR GRADING AND DRAINAGE PLAN.

COOLIDGE MUNICIPAL
AIRPORT

CITY OF COOLIDGE
GROWTH MANAGEMENT
131 W KIMLEY AVE
COOLIDGE, AZ 85228



COOLIDGE MUNICIPAL AIRPORT
GA APRON AND TAXIWAY C
PLAN AND PROFILE
(BASE BID)

PROJECT NO.
191593014

DRAWING NAME
191593014PP.dwg

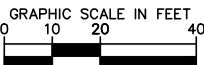
C6.3

SHEET NO. 17 OF 43

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SCALE (H): 1" = 20'
SCALE (V): 1" = 20'
DESIGNED BY: BLR
DRAWN BY: SQR
CHECKED BY: BLR
DATE: 04/30/25



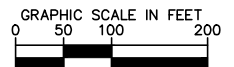
ALV	AIRFIELD LIGHTING VAULT
ATC	AIR TRAFFIC CONTROL TOWER
A.T.S.	AUTOMATIC TRANSFER SWITCH
AWOS	AUTOMATED WEATHER OBSERVATION SYSTEM
C, ONDT	CONDUIT
CCR	CONSTANT CURRENT REGULATOR
C.E.	CONCRETE ENCASED
CLSM	CONTROLLED LOW STRENGTH MATERIAL
D.B.	DIRECT EARTH BURIAL
(E)	EXISTING EQUIPMENT OR FACILITY
FAA	FEDERAL AVIATION ADMINISTRATION
HH	HANDHOLE
HIRL	HIGH INTENSITY RUNWAY LIGHTS
ILS	INSTRUMENT LANDING SYSTEM
MALSR	MEDIUM INTENSITY APPROACH LIGHTING SYSTEM WITH
RUNWAY	ALIGNMENT INDICATOR LIGHTS
(L)	LED (LIGHT EMITTING DIODE)
(N)	NEW EQUIPMENT OR FACILITY
PAPI	PRECISION APPROACH PATH INDICATOR
P.O.C.	POINT OF CONNECTION (WITH EXISTING CONDUIT OR DUCT)
PVC	POLYVINYLCHLORIDE: CONDUIT MATERIAL
(R)	REMOVE EQUIPMENT OR FACILITY
(RR)	REMOVE AND REPLACE EQUIPMENT OR FACILITY
RDR	RUNWAY DISTANCE REMAINING
REIL	RUNWAY END INDICATOR LIGHT
RSA	RUNWAY SAFETY AREA
R/W, RWY	RUNWAY
SCH	SCHEDULE
TSA	TAXIWAY SAFETY AREA
T/W, TWY	TAXIWAY
TYP.	TYPICAL
U.O.N.	UNLESS OTHERWISE NOTED

	EXISTING CONDUIT OR DUCT BANK TO REMAIN
	PROPOSED 1-2" SCH. 40 PVC DIRECT BURIED CONDUIT
	PROPOSED 1-2" SCH. 40 PVC CONCRETE ENCASED CONDUIT
	PROPOSED 2-2" SCH. 40 PVC CONCRETE ENCASED CONDUIT
	PROPOSED 2-2" SCH. 80 HDPE DIRECTIONAL BORE
	EXISTING HANDHOLE TO REMAIN, PROTECT IN PLACE
	EXISTING RUNWAY EDGE/END LIGHT TO REMAIN
	EXISTING L-861T TAXIWAY EDGE LIGHT TO REMAIN
	EXISTING AIRFIELD GUIDANCE SIGN TO REMAIN
	EXISTING REIL TO REMAIN
	PROPOSED L-861T TAXIWAY EDGE LIGHT
	PROPOSED AIRFIELD GUIDANCE SIGN ON NEW BASE
	PROPOSED AIRCRAFT LOAD RATED HANDHOLE

ALT 1

- ① INSTALL NEW L-861(T) LED ELEVATED TAXIWAY EDGE LIGHT, ISOLATION TRANSFORMER, AND L-824 #8 5KV AIRFIELD CABLING ON NEW L-867 BASE CAN
- ② INSTALL NEW L-861(T) LED ELEVATED TAXIWAY EDGE LIGHT, ISOLATION TRANSFORMER, AND L-824 #8 5KV AIRFIELD CABLING ON NEW L-868(B) BASE CAN
- ③ INSTALL NEW 1-2" SCH 40 PVC DIRECT BURIED CONDUIT AND L-824 #8 5KV AIRFIELD CABLING.
- ④ INSTALL NEW 1-2" SCH 40 PVC CONCRETE ENCASED CONDUIT AND L-824 #8 5KV AIRFIELD CABLING.
- ⑤ INSTALL NEW 2-2" SCH 40 PVC CONCRETE ENCASED CONDUIT AND L-824 #8 5KV AIRFIELD CABLING.
- ⑥ INSTALL NEW AIRCRAFT LOAD RATED CONCRETE HANDHOLE.
- ⑦ INSTALL NEW L-858(L) LED, SIZE 1, AIRFIELD GUIDANCE SIGN AND ISOLATION TRANSFORMER ON NEW CONCRETE FOUNDATION.
- ⑧ INSTALL NEW 2-2" SCH 80 HDPE DIRECTIONAL BORE AND L-824 #8 5KV AIRFIELD CABLING.
- ⑨ TIE IN TO EXISTING TAXIWAY B EDGE LIGHT CIRCUIT AT NEW HANDHOLE.

- ① INSTALL NEW L-861(T) LED ELEVATED TAXIWAY EDGE LIGHT, ISOLATION TRANSFORMER, AND L-824 #8 5KV AIRFIELD CABLING ON NEW L-867 BASE CAN
- ② INSTALL NEW L-861(T) LED ELEVATED TAXIWAY EDGE LIGHT, ISOLATION TRANSFORMER, AND L-824 #8 5KV AIRFIELD CABLING ON NEW L-868(B) BASE CAN
- ③ INSTALL NEW 1-2" SCH 40 PVC DIRECT BURIED CONDUIT AND L-824 #8 5KV AIRFIELD CABLING.
- ④ INSTALL NEW 1-2" SCH 40 PVC CONCRETE ENCASED CONDUIT AND L-824 #8 5KV AIRFIELD CABLING.
- ⑤ INSTALL NEW 2-2" SCH 40 PVC CONCRETE ENCASED CONDUIT AND L-824 #8 5KV AIRFIELD CABLING.
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- ⑦ INSTALL NEW L-858(L) LED, SIZE 1, AIRFIELD GUIDANCE SIGN AND ISOLATION TRANSFORMER ON NEW CONCRETE FOUNDATION.
- ⑧ INSTALL NEW 2-2" SCH 80 HDPE DIRECTIONAL BORE AND L-824 #8 5KV AIRFIELD CABLING.
- ⑨ TIE IN TO EXISTING TAXIWAY B EDGE LIGHT CIRCUIT AT NEW HANDHOLE.



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Phoenix, Arizona 85020 (602) 944-5500



PROJECT NO. 191593014
DRAWING NAME 191593014ESOW.dwg
E1.0
SHEET NO. 20 OF 43

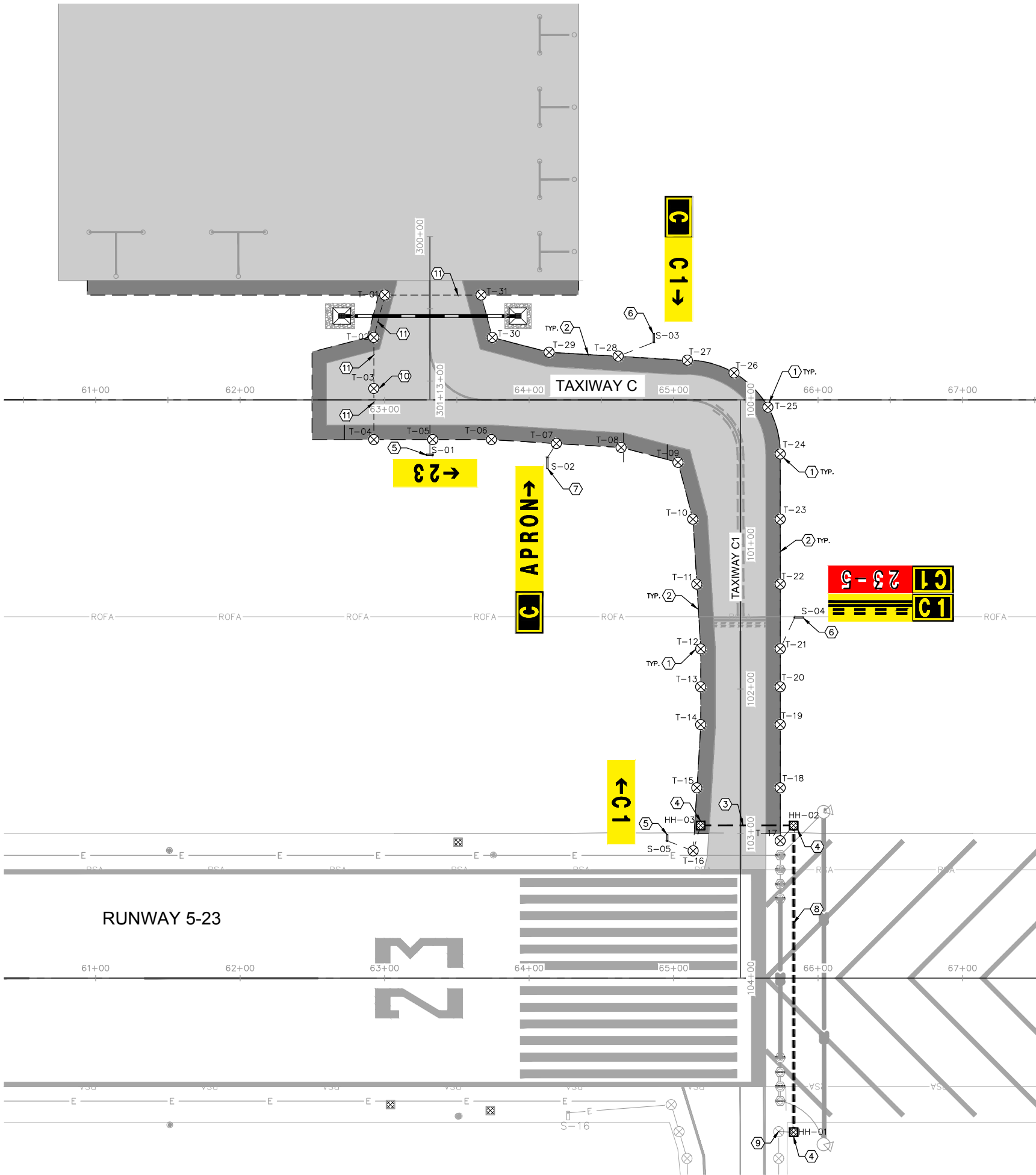
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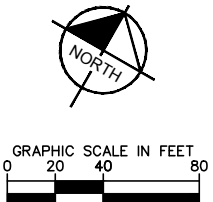
HANDHOLE DATA TABLE			
HH-NUM	STA	OFF	DETAIL
HH-01	'Taxiway C Alignment' 65+83.06	506.59' RT.	E2.4
HH-02	'Taxiway C Alignment' 65+83.06	294.40' RT.	E2.4
HH-03	'Taxiway C Alignment' 65+18.74	294.40' RT.	E2.4

SIGN DATA TABLE					
SIGN-NUM	STA	OFF	DETAIL	CIRCUIT	# OF MODULES
S-01	'Taxiway C Alignment' 63+33.24	38.00' RT.	E2.1	TWY C	2
S-02	'Taxiway C Alignment' 64+12.67	39.82' RT.	E2.1	TWY C	4
S-03	'Taxiway C Alignment' 64+86.30	39.90' LT.	E2.1	TWY C	3
S-04	'Taxiway C Alignment' 65+83.80	150.50' RT.	E2.1	TWY C	3
S-05	'Taxiway C Alignment' 64+95.55	305.00' RT.	E2.1	TWY C	2

L-861T DATA TABLE						
FIXT-NUM	STA	OFF	BASE	CIRCUIT	Lens	DETAIL
T-01	'Taxiway C Alignment' 63+00.20	72.50' LT.	L-867B	TWY C	BLU	E2.2
T-02	'Taxiway C Alignment' 62+92.55	43.19' LT.	L-867B	TWY C	BLU	E2.2
T-03	'Taxiway C Alignment' 62+92.55	7.84' LT.	L-868B	TWY C	BLU	E2.5
T-04	'Taxiway C Alignment' 62+92.55	27.50' RT.	L-867B	TWY C	BLU	E2.2
T-05	'Taxiway C Alignment' 63+33.28	27.50' RT.	L-867B	TWY C	BLU	E2.2
T-06	'Taxiway C Alignment' 63+74.00	27.50' RT.	L-867B	TWY C	BLU	E2.2
T-07	'Taxiway C Alignment' 64+18.86	30.21' RT.	L-867B	TWY C	BLU	E2.2
T-08	'Taxiway C Alignment' 64+63.73	32.92' RT.	L-867B	TWY C	BLU	E2.2
T-09	'Taxiway C Alignment' 65+03.11	43.20' RT.	L-867B	TWY C	BLU	E2.2
T-10	'Taxiway C Alignment' 65+13.38	82.58' RT.	L-867B	TWY C	BLU	E2.2
T-11	'Taxiway C Alignment' 65+16.10	127.44' RT.	L-867B	TWY C	BLU	E2.2
T-12	'Taxiway C Alignment' 65+18.82	172.30' RT.	L-867B	TWY C	BLU	E2.2
T-13	'Taxiway C Alignment' 65+18.83	198.48' RT.	L-867B	TWY C	BLU	E2.2
T-14	'Taxiway C Alignment' 65+18.82	224.68' RT.	L-867B	TWY C	BLU	E2.2
T-15	'Taxiway C Alignment' 65+16.18	268.35' RT.	L-867B	TWY C	BLU	E2.2
T-16	'Taxiway C Alignment' 65+13.53	312.00' RT.	L-867B	TWY C	BLU	E2.2
T-17	'Taxiway C Alignment' 65+73.80	305.00' RT.	L-867B	TWY C	BLU	E2.2
T-18	'Taxiway C Alignment' 65+73.80	268.35' RT.	L-867B	TWY C	BLU	E2.2
T-19	'Taxiway C Alignment' 65+73.82	224.68' RT.	L-867B	TWY C	BLU	E2.2
T-20	'Taxiway C Alignment' 65+73.80	198.46' RT.	L-867B	TWY C	BLU	E2.2
T-21	'Taxiway C Alignment' 65+73.80	172.30' RT.	L-867B	TWY C	BLU	E2.2
T-22	'Taxiway C Alignment' 65+73.79	127.46' RT.	L-867B	TWY C	BLU	E2.2
T-23	'Taxiway C Alignment' 65+73.79	82.60' RT.	L-867B	TWY C	BLU	E2.2
T-24	'Taxiway C Alignment' 65+73.80	37.50' RT.	L-867B	TWY C	BLU	E2.2
T-25	'Taxiway C Alignment' 65+65.38	5.13' RT.	L-867B	TWY C	BLU	E2.2
T-26	'Taxiway C Alignment' 65+41.87	18.68' LT.	L-867B	TWY C	BLU	E2.2
T-27	'Taxiway C Alignment' 65+09.60	27.50' LT.	L-867B	TWY C	BLU	E2.2
T-28	'Taxiway C Alignment' 64+61.73	30.21' LT.	L-867B	TWY C	BLU	E2.2
T-29	'Taxiway C Alignment' 64+13.86	32.93' LT.	L-867B	TWY C	BLU	E2.2
T-30	'Taxiway C Alignment' 63+74.50	43.20' LT.	L-867B	TWY C	BLU	E2.2
T-31	'Taxiway C Alignment' 63+66.86	72.50' LT.	L-867B	TWY C	BLU	E2.2



- LEGEND**
- 1-2" SCH. 40 PVC CONDUIT, DIRECT BURIED
 - 1-2" SCH. 40 PVC CONDUIT, CONCRETE ENCASED
 - 2-2" SCH. 40 PVC CONDUIT, CONCRETE ENCASED
 - 2-2" SCH. 40 PVC CONDUIT, DIRECTIONAL BORE
 - L-861(T) LED ELEVATED TAXIWAY EDGE LIGHT
 - L-858 LED AIRFIELD GUIDANCE SIGN ON NEW CONCRETE FOUNDATION
 - AIRCRAFT LOAD RATED CONCRETE HANDHOLE
- ELECTRICAL CONSTRUCTION NOTES:**
- INSTALL NEW L-861(T) LED ELEVATED TAXIWAY EDGE LIGHT, ISOLATION TRANSFORMER, AND L-824 #8 5KV AIRFIELD CABLING ON NEW L-867 BASE CAN. SEE DETAIL 1 ON SHEET E2.2.
 - INSTALL NEW 1-2" SCH 40 PVC DIRECT BURIED CONDUIT AND L-824 #8 5KV AIRFIELD CABLING.
 - INSTALL NEW 2-2" SCH 40 PVC CONCRETE ENCASED CONDUIT AND L-824 #8 5KV AIRFIELD CABLING.
 - INSTALL NEW AIRCRAFT LOAD RATED CONCRETE HANDHOLE. SEE DETAIL 1 ON SHEET E2.5.
 - INSTALL NEW L-858(L) LED, SIZE 1, 2-MODULE AIRFIELD GUIDANCE SIGN AND ISOLATION TRANSFORMER ON NEW CONCRETE FOUNDATION. SEE SHEET E2.1.
 - INSTALL NEW L-858(L) LED, SIZE 1, 3-MODULE AIRFIELD GUIDANCE SIGN AND ISOLATION TRANSFORMER ON NEW CONCRETE FOUNDATION. SEE SHEET E2.1.
 - INSTALL NEW L-858(L) LED, SIZE 1, 4-MODULE AIRFIELD GUIDANCE SIGN AND ISOLATION TRANSFORMER ON NEW CONCRETE FOUNDATION. SEE SHEET E2.1.
 - INSTALL NEW 2-2" SCH 80 HDPE DIRECTIONAL BORE AND L-824 #8 5KV AIRFIELD CABLING.
 - TIE IN TO EXISTING TAXIWAY B EDGE LIGHT CIRCUIT AT NEW HANDHOLE.
 - INSTALL NEW L-861(T) LED ELEVATED TAXIWAY EDGE LIGHT, ISOLATION TRANSFORMER, AND L-824 #8 5KV AIRFIELD CABLING ON NEW L-868(B) BASE CAN. SEE DETAIL 1 ON SHEET E2.5.
 - INSTALL NEW 1-2" SCH 40 PVC CONCRETE ENCASED CONDUIT AND L-824 #8 5KV AIRFIELD CABLING.



PROJECT NO.
191593014

DRAWING NAME
191593014EL.dwg

E1.1

SHEET NO. 21 OF 43

COOLIDGE MUNICIPAL AIRPORT

CITY OF COOLIDGE

GROWTH MANAGEMENT

131 W KIMLEY AVE

COOLIDGE, AZ 85228

Kimley»Horn

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7740 North 16th Street, Suite 300

Phoenix, Arizona 85020 (602) 944-5500

Professional Engineer (Civil)

191593014

BRANDON

DESIGNED BY: JPT

DRAWN BY: DKP

CHECKED BY: JDB

DATE: 04/30/25

SCALE (H): 1"=40'

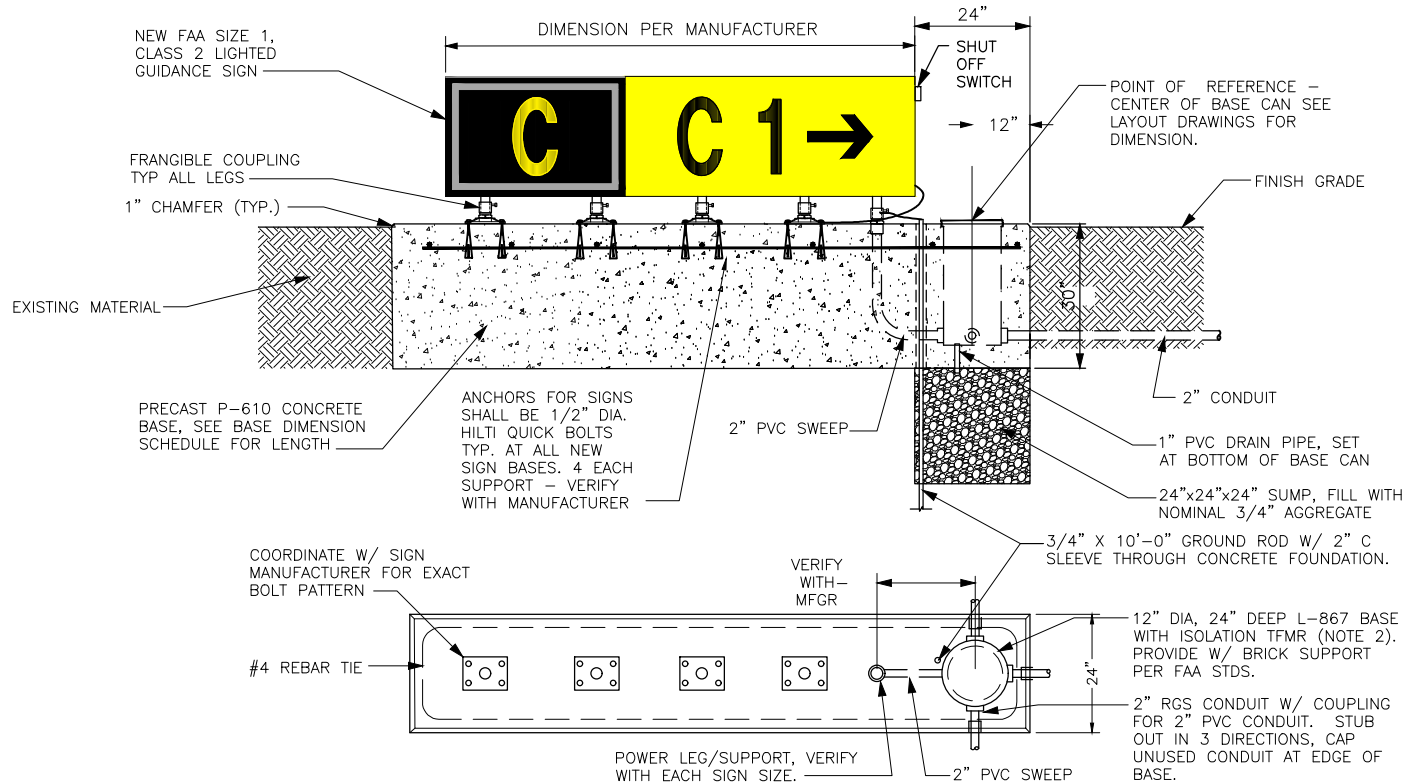
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REVISION

NO.

DATE

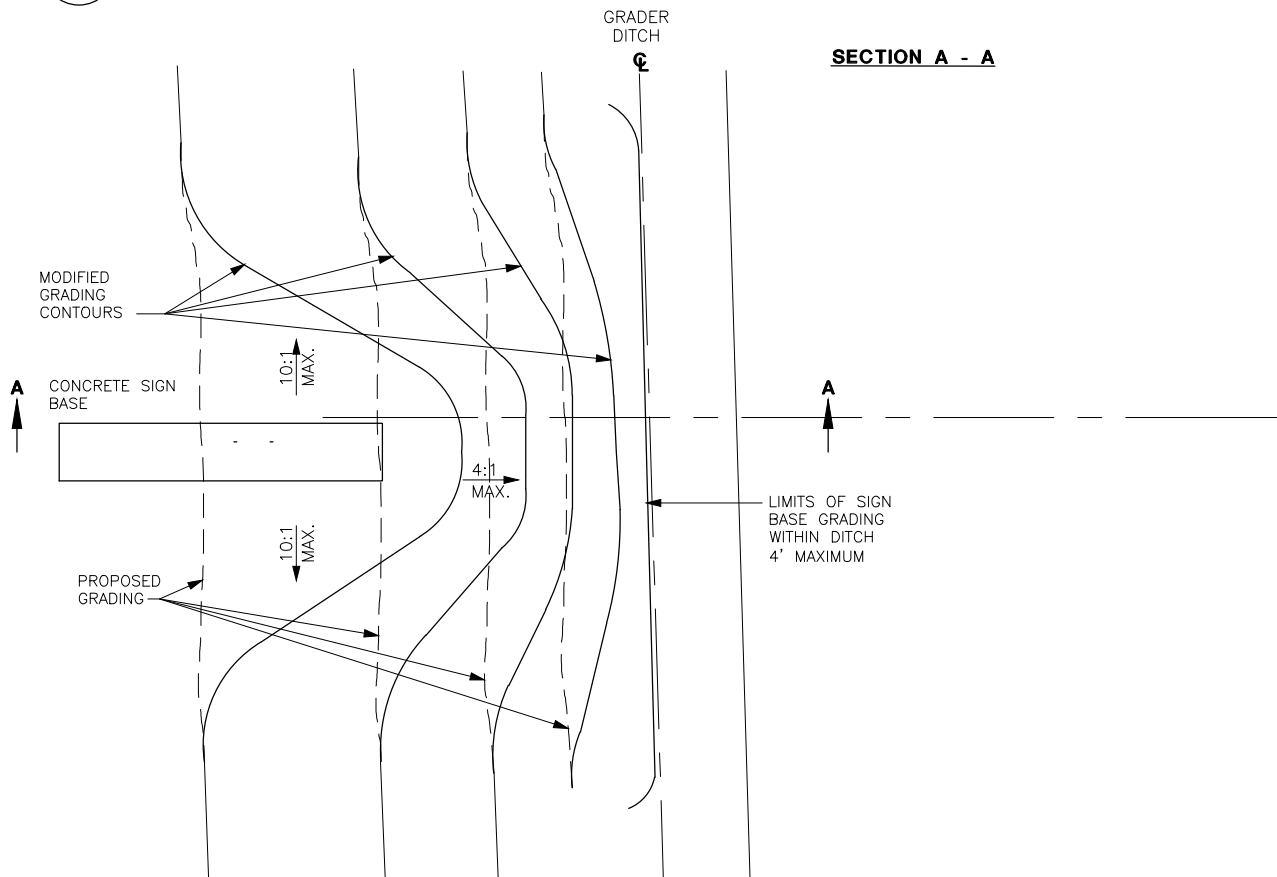
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1

T/W GUIDANCE SIGN - BASE DETAIL

SCALE: NTS



2

GUIDANCE SIGN - GRADING DETAIL

SCALE: NTS

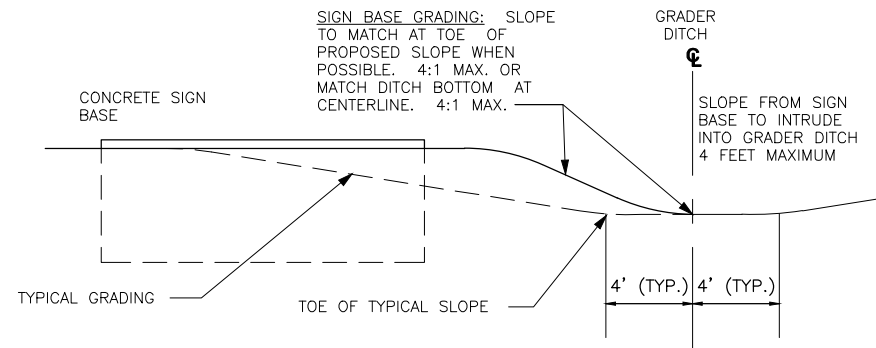
BASE DIMENSION SCHEDULE

SIGN SIZE	BASE DIMENSIONS			
	ONE MODULE	TWO MODULE	THREE MODULE	FOUR MODULE
1	66" L x 24" W	96" L x 24" W	126" L x 24" W	156" L x 24" W

SIGN INSTALLATION NOTES:

1. VERIFY ALL DIMENSIONS OF SIGN FACES, SIGN PEDESTALS, AND SIGN FACE SPACING WITH MANUFACTURER BEFORE INSTALLATION.
2. PROVIDE NEW TRANSFORMERS WITH NEW SIGNS, SIZE PER MANUFACTURERS RECOMMENDATIONS.
3. SEE E1 SERIES DRAWINGS FOR SIGN CONTENTS AND LOCATIONS.
4. REFER TO DETAIL 2/E2.1 FOR GRADING DETAIL AROUND SIGN BASES AS REQUIRED TO MEET BASE REVEAL SLOPE REQUIREMENTS.

PLAN



COOLIDGE MUNICIPAL AIRPORT
GA APRON AND TAXIWAY C
ELECTRICAL DETAILS
(BASE BID)

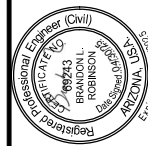
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DRAWING NAME
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E2.1
SHEET NO. 22 OF 43

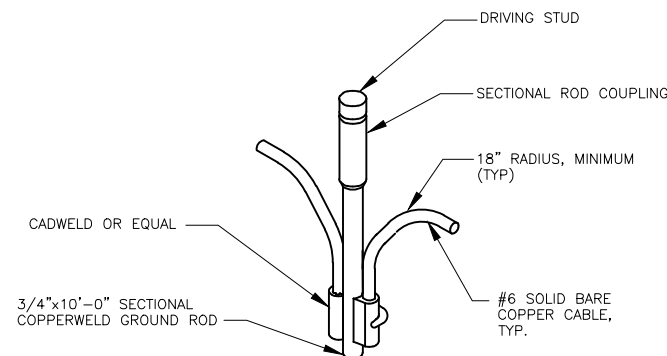
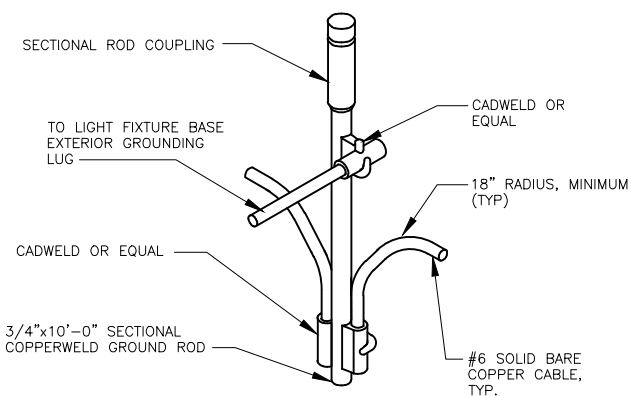
COOLIDGE MUNICIPAL AIRPORT
CITY OF COOLIDGE
GROWTH MANAGEMENT
131 W PINKLEY AVE
COOLIDGE, AZ 85228



SCALE (H): N/A
SCALE (V): N/A
DESIGNED BY: JPT
DRAWN BY: DKP
CHECKED BY: JDB
DATE: 04/30/25



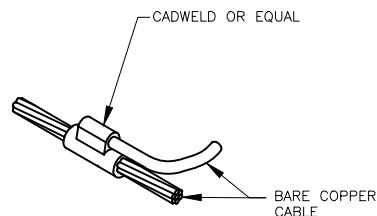
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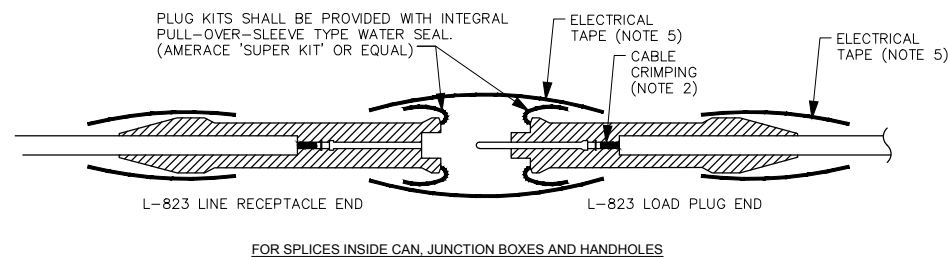
6 COUNTERPOISE SYSTEM GROUND ROD DETAIL

SCALE: NTS

NOTE: CIRCUIT TO BE TAPE LABELED AND TAGGED

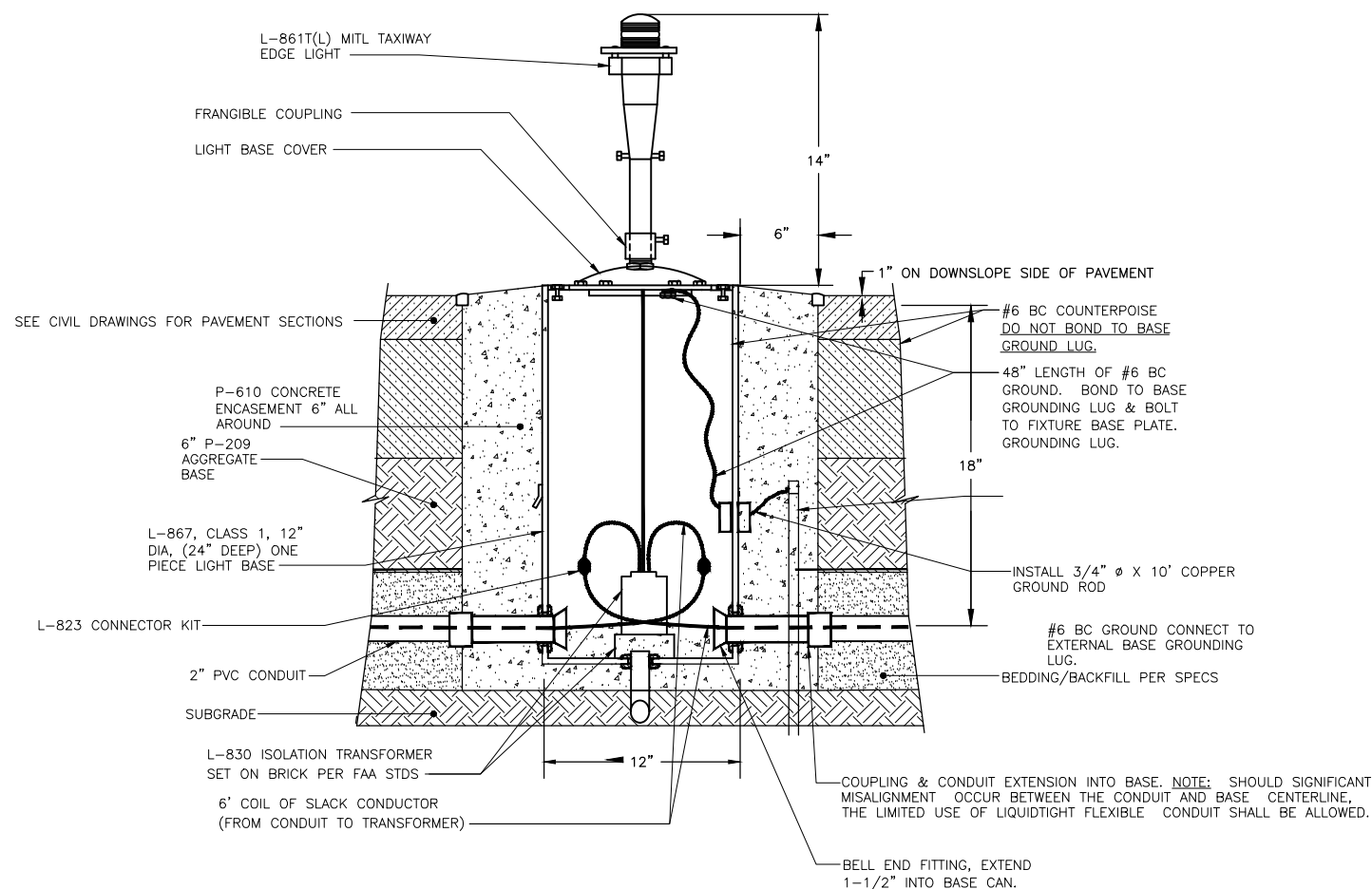


SCALF • NTS



SCALE: NTS

1. PROVIDE MALE AND FEMALE L-823 CONNECTORS AS REQUIRED ON EACH CONDUCTOR IN EACH BASE, HANDHOLE OR MANHOLE IN THE FIELD CIRCUIT. SPLICES SHALL NEVER BE INSTALLED IN CONDUITS.
2. PLUG AND RECEPTACLE END FITTINGS SHALL BE CRIMPED ONTO THE CONDUCTOR BY USE OF AN AIRPORT PERSONNEL ACCEPTED HANDHELD RATCHETING TYPE CRIMPING TOOL. EACH CABLE TERMINATION SHALL BE SECURED BY TWO CRIMPS, 90 DEGREES APART.
3. ALL L-824 CABLE CONNECTIONS SHALL BE MADE WITH L-823 CONNECTOR KITS.
4. AT THE POINT OF CONNECTION WITH THE EXISTING FIELD CIRCUITS, INSTALL NEW L-823 PLUGS ON BOTH THE NEW AND EXISTING CABLES. VERIFY INSULATION TYPES OF BOTH NEW AND EXISTING CABLES AND COORDINATE WITH TERMINATION KITS TO ASSURE PROPER AND WATER TIGHT FIT.
5. SECURE THE PULL-OVER FLAP AND SPLICE ENDS WITH A LAYER OF SCOTCH 33 (OR EQUIVALENT) ELECTRICAL TAPE EXTENDING 2-INCHES BOTH SIDES OF THE OPEN END OF THE FLAP.



SCALE: NTS

1. ALL STEEL, OTHER THAN REBAR, TO BE HOT DIPPED GALVANIZED AFTER FABRICATION.
2. PROVIDE ALL HANDHOLES WITH CABLE RACKS & PULING EYES PER SPECS.
3. INSTALL HANDHOLES PARALLEL TO ADJACENT R/W OR T/W CENTERLINE.
4. PROVIDE GROUND ROD FOR EACH HANDHOLE PER SPECS.
5. GROUT ALL CONDUIT PENETRATIONS.
6. PROVIDE MANUFACTURER'S DRAWINGS AND STRUCTURAL CALCULATIONS FOR ALL CONCRETE ELEMENTS OF HANDHOLES AND FABRICATED TRAFFIC LIDS.
7. NOTE: DO NOT CONNECT COUNTERPOISE TO GROUNDING SYSTEM. ROUTE AROUND HANDHOLES.

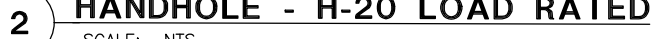


1. PROVIDE GALVANIZED STEEL RACK ARMS, BOLTED TO CHANNELS INSET IN HANDHOLE WALLS. PROVIDE MINIMUM (2) CHANNEL INSETS AND ARMS FOR EVERY WALL.
2. CABLE RACKING SHALL BE LIMITED TO THE UPPER HALF OF THE HANDHOLE.
3. PROVIDE CIRCUIT TAGS FOR EVERY L-823 CABLE SPLICE.
4. PROVIDE A MINIMUM OF TEN FEET OF CABLE BETWEEN ENTRY POINT AND L-823 SPLICE.
5. RACK CABLES ON SIDE(S) OF ENTRY/EXIT CONDUITS.
6. DUCT/CONDUIT ARRAY SHALL ENTER HANDHOLE IN LOWER HALF OF THE HANDHOLE.
7. PROVIDE BELL END FOR EVERY CONDUIT IN THE ARRAY.
8. GROUT AROUND/BETWEEN CONDUITS & CONCRETE WALL.



ALL COUNTERPOISE WIRES FOR DUCT
BANKS AND CONDUITS TO BE CLAMPED TO
COUNTERPOISE LOOP AROUND STRUCTURE

SCALE: NTS



SCALE: NTS

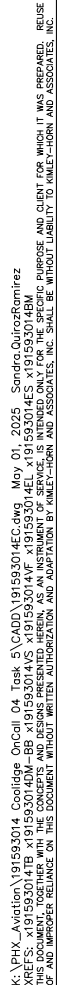


1. INSTALL CABLE TAGS ON ALL CABLES IN MANHOLES, PULLBOXES AND HANDHOLES.

SCALE: NTS



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CONTRACTOR SHALL REPAIR OR PULL NEW CABLE AS NECESSARY TO MAINTAIN ALL OTHER EXISTING AIRFIELD CIRCUITS WHICH ARE DISTURBED AS A RESULT OF MULTIPLE CIRCUIT CABLES SHARING ONE CONDUIT IF THIS CONDITION EXISTS IN THE FIELD.

PROJECT NO. 191593014
DRAWING NAME 191593014EC.dwg
E3.1
SHEET NO. 27 OF 43

SCALE (H): 1"=40'
SCALE (V): N/A

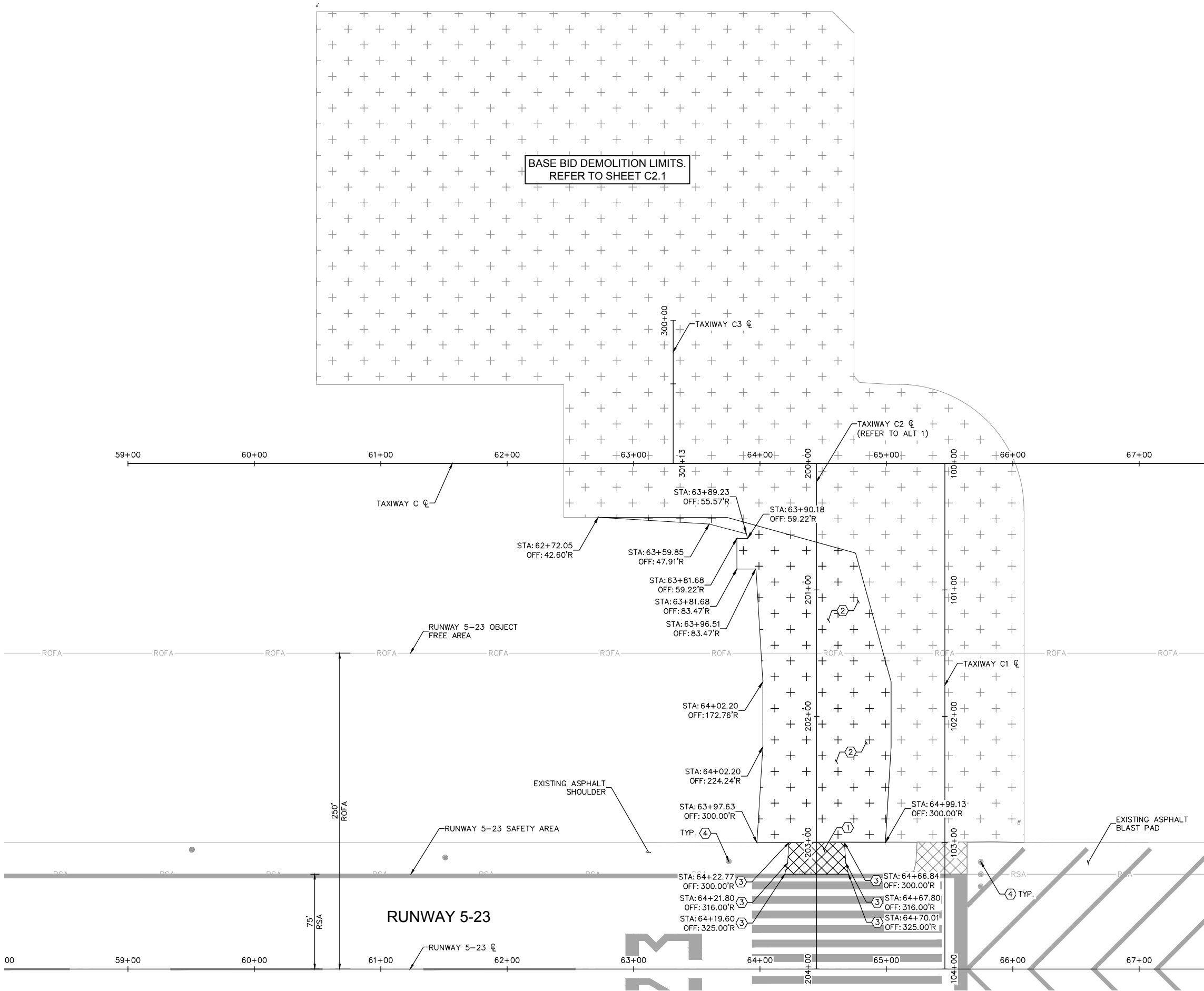
DESIGNED BY: JPT
DRAWN BY: DKP
CHECKED BY: JDB

DATE: 04/30/25



Kimley»»Horn

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LEGEND

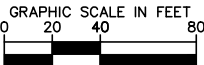
- REMOVE AND DISPOSE EXISTING AC SHOULDER PAVEMENT (FULL DEPTH)
- CLEAR AND GRUB

GENERAL NOTES:

- EXISTING UTILITY INFORMATION SHOWN ON THE PLANS CONCERNING THE TYPE, SIZE, AND LOCATION WERE COMPILED BASED ON THE UTILITY RECORDS AVAILABLE TO THE ENGINEER. THE CONTRACTOR SHALL PROVIDE A UTILITY LOCATOR AND VERIFY THE ACTUAL LOCATION OF UTILITIES PRIOR TO CONSTRUCTION. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT ALL EXISTING UTILITIES IN PLACE UNLESS NOTED OR SPECIFIED OTHERWISE. ANY DAMAGE TO EXISTING UTILITIES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE. UTILITIES INTERFERING WITH CONSTRUCTION SHALL BE RESET OR RELOCATED BY THE UTILITY COMPANY CONCERNED UNLESS NOTED OTHERWISE.
- REFER TO SHEET C1.4 FOR ALL ALIGNMENT DEFINITIONS.
- REFER TO SHEET C1.3 FOR BID ALTERNATIVES.
- ALL STATIONING AND OFFSETS ARE BASED OFF TAXIWAY C ALIGNMENT UNLESS OTHERWISE NOTED.

DEMOLITION NOTES:

- REMOVE AND DISPOSE OF EXISTING AC PAVEMENT (DEPTH VARIES), LIMITS OF REMOVAL PER PLAN
- CLEAR AND GRUB
- SAWCUT EXISTING AC PAVEMENT
- REFER TO ELECTRICAL SHEETS



PROJECT NO. 191593014	
DRAWING NAME 191593014DM - ALTI.dwg	
C2.2	
SHEET NO. 28 OF 43	

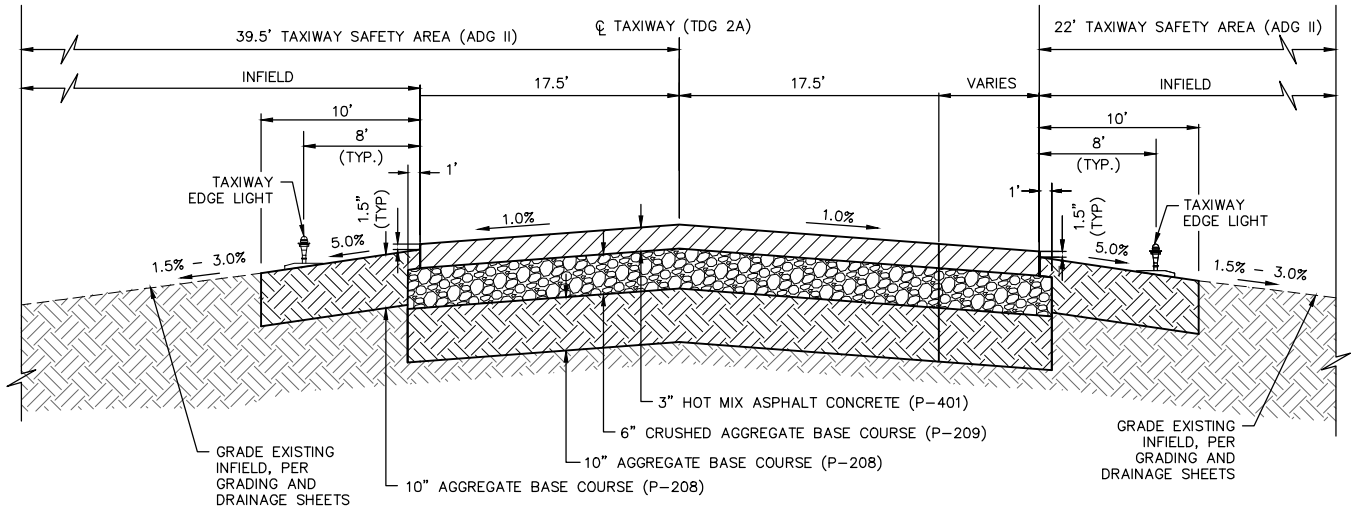
NO.	REVISION	DATE

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CITY OF COOLIDGE
GROWTH MANAGEMENT
131 W PINKLEY AVE
COOLIDGE, AZ 85228

COOLIDGE MUNICIPAL AIRPORT
GA APRON AND TAXIWAY C
DEMOLITION PLAN
(ALTERNATIVE 1)

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1
C3.3

TAXIWAY C2 TYPICAL SECTION

N.T.S.



COOLIDGE MUNICIPAL AIRPORT
GA APRON AND TAXIWAY C
TYPICAL SECTIONS
(ALTERNATIVE 1)



COOLIDGE MUNICIPAL
AIRPORT
CITY OF COOLIDGE
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131 W PINKLEY AVE
COOLIDGE, AZ 85228

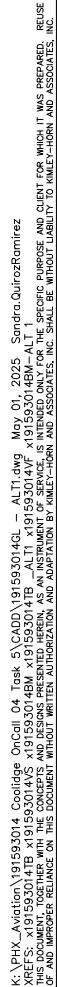
SCALE (H): N/A
SCALE (V): N/A
DESIGNED BY: BLR
DRAWN BY: SQR
CHECKED BY: BLR
DATE: 04/30/25



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NO.	REVISION	DATE

PROJECT NO.
191593014
DRAWING NAME
191593014TS_ALT1.dwg
C3.3
SHEET NO. 29 OF 43



LEGEND

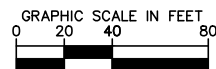
- | | |
|---|----------------------------------|
|  | CONSTRUCT NEW ASPHALT PAVEMENT |
|  | NEW 10' WIDE STABILIZED SHOULDER |
|  | BASE BID PAVING LIMITS |
| — TSA — | TAXIWAY SAFETY AREA (ADG II) |
| — RSA — | RUNWAY SAFETY AREA (B-II) |
| — ROFA — | RUNWAY OBJECT FREE AREA (B-II) |

GENERAL NOTES:

1. ALL STATIONING AND OFFSETS ARE BASED OFF TAXIWAY C ALIGNMENT UNLESS OTHERWISE NOTED. REFER TO SHEET C1.4 FOR ALIGNMENT DEFINITION.

CONSTRUCTION NOTES:

- ① MATCH EXISTING.
- ② CONSTRUCT NEW ASPHALT PAVEMENT PER
TYPICAL SECTION ON SHEETS C3.3.
- ③ CONSTRUCT NEW 10' WIDE STABILIZED AGGREGATE
BASE COURSE STABILIZED SHOULDER PER
TYPICAL SECTIONS ON SHEETS C3.3



**COOLIDGE MUNICIPAL AIRPORT
GA APRON AND TAXIWAY C
GEOMETRIC LAYOUT PLAN
(ALTERNATIVE 1)**

PROJECT NO. 191593014
DRAWING NAME 191593014GL - ALT1.dwg
C4.2
SHEET NO. 30 OF 43

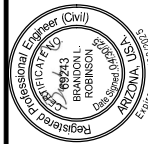


**COOLIDGE MUNICIPAL
AIRPORT**

**CITY OF COOLIDGE
GROWTH MANAGEMENT**

**131 W PINKLEY AVE
COOLIDGE, AZ 85228**

SCALE (H):1"=40'
SCALE (V): N/A
DESIGNED BY: BLR
DRAWN BY: SQR
CHECKED BY: BLR
DATE: 04/30/25

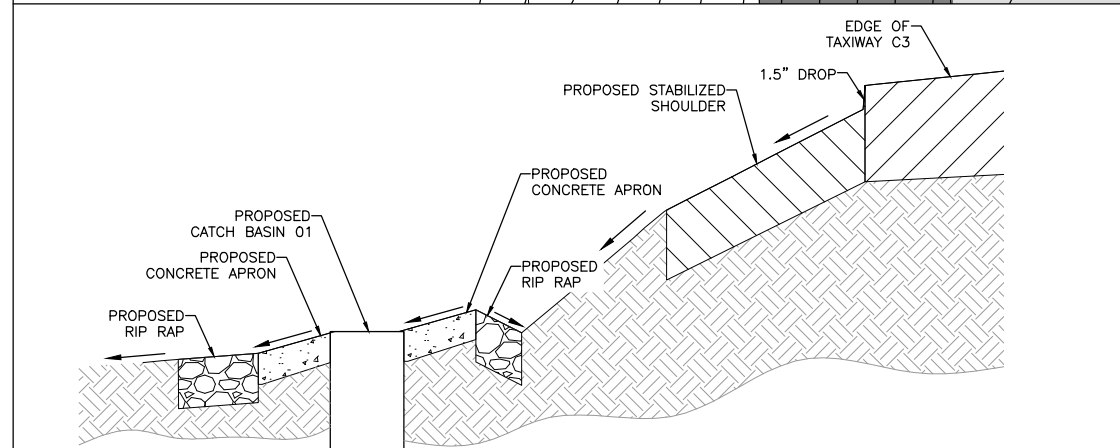


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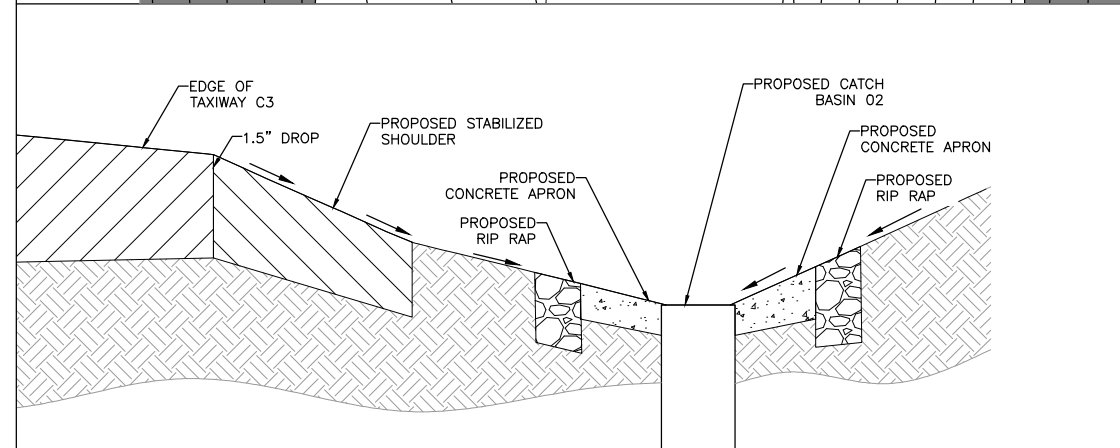


PROJECT NO. 191593014
DRAWING NAME 91593014GD - ALT1.dwg
C5.3
SHEET NO. 31 OF 43

K:\PHX_Aviation\191593014 Condidate OnCall 04 Task 5\CADD\1915930143DST - ALTI.dwg May 01, 2025 Sandra.QuirozRamirez



2 CATCH BASIN 03 APRON AND RIP RAP DETAIL
C5.5 1"=5'



3 CATCH BASIN 04 APRON AND RIP RAP DETAIL
C5.5 1"=5'



**COOLIDGE MUNICIPAL AIRPORT
GA APRON AND TAXIWAY C
STORM DRAIN DETAILS
(ALTERNATIVE 1)**

**COOLIDGE MUNICIPAL
AIRPORT**

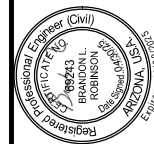
CITY OF COOLIDGE

GROWTH MANAGEMENT

**131 W PINKLEY AVE
COOLIDGE, AZ 85228**

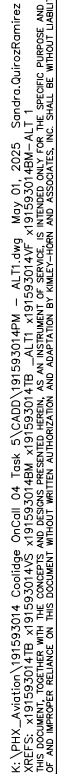


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SCALE (V): N/A	DRAWN BY: SQR
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								U F C
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								C



CURVE TABLE								
CURVE	RADIUS	LENGTH	DELTA	TANGENT	START NORTHING	START EASTING	END NORTHING	END EASTING
C1	37.00'	58.12'	90°00'00"	37.00'	706779.930	852133.434	706766.411	852183.983
C2	37.00'	58.12'	90°00'00"	37.00'	706766.411	852183.983	706816.961	852197.502

GRAPHIC SCALE IN FEET

0 20 40 80



1. PAVEMENT MARKINGS DETAILS SHALL CONFORM TO THE LATEST EDITION OF THE FEDERAL AVIATION ADMINISTRATION'S ADVISORY CIRCULAR AC-150/5340. IF A CONFLICT OCCURS BETWEEN THESE PLANS AND THE AC, THE AC SHALL TAKE PRECEDENCE.
2. CONTRACTOR SHALL SURVEY THE EXISTING PAVEMENT MARKINGS PRIOR TO CONSTRUCTION. PROPOSED PAVEMENT MARKINGS SHALL TIE INTO THE EXISTING SURVEYED MARKINGS. PROPOSED MARKINGS SHALL BE INSTALLED PER THE DIMENSIONS SHOWN ON THE PAVEMENT MARKING PLANS/DETAILS. ALL OTHER MARKINGS SHALL BE RE-INSTALLED PER THEIR EXISTING SURVEYED LOCATIONS.
3. ALL STATIONING AND OFFSETS ARE BASED OFF TAXIWAY C ALIGNMENT UNLESS OTHERWISE NOTED. REFER TO SHEET C1.4 FOR ALIGNMENT DEFINITION.

CONSTRUCTION NOTES:

- ① INSTALL SIX INCH (6") WIDE TAXIWAY CENTERLINE PAVEMENT MARKING, PER DETAIL 1 SHEET C7.2.
- ② INSTALL RUNWAY HOLDING POSITION MARKING, PER DETAIL 2 SHEET C7.2.
- ③ INSTALL ENHANCED TAXIWAY CENTERLINE PAVEMENT MARKING, PER DETAIL 2 SHEET C7.2.
- ④ INSTALL 36" WIDE WHITE RUNWAY EDGE MARKINGS, PER DETAIL 5 SHEET C7.2.

COOLIDGE MUNICIPAL AIRPORT
GA APRON AND TAXIWAY C
PAVEMENT MARKING PLAN
(ALTERNATIVE 1)

PROJECT NO.
191593014

DRAWING NAME
191593014PM - ALT1.dwg

C7.3

SHEET NO. 35 OF 43

SCALE (H): 1"=40'
SCALE (V): N/A

DESIGNED BY: BLR
DRAWN BY: SQR
CHECKED BY: BLR

DATE: 04/30/25

**COOLIDGE MUNICIPAL
AIRPORT**

CITY OF COOLIDGE

GROWTH MANAGEMENT

**131 W PINKLEY AVE
COOLIDGE, AZ 85228**

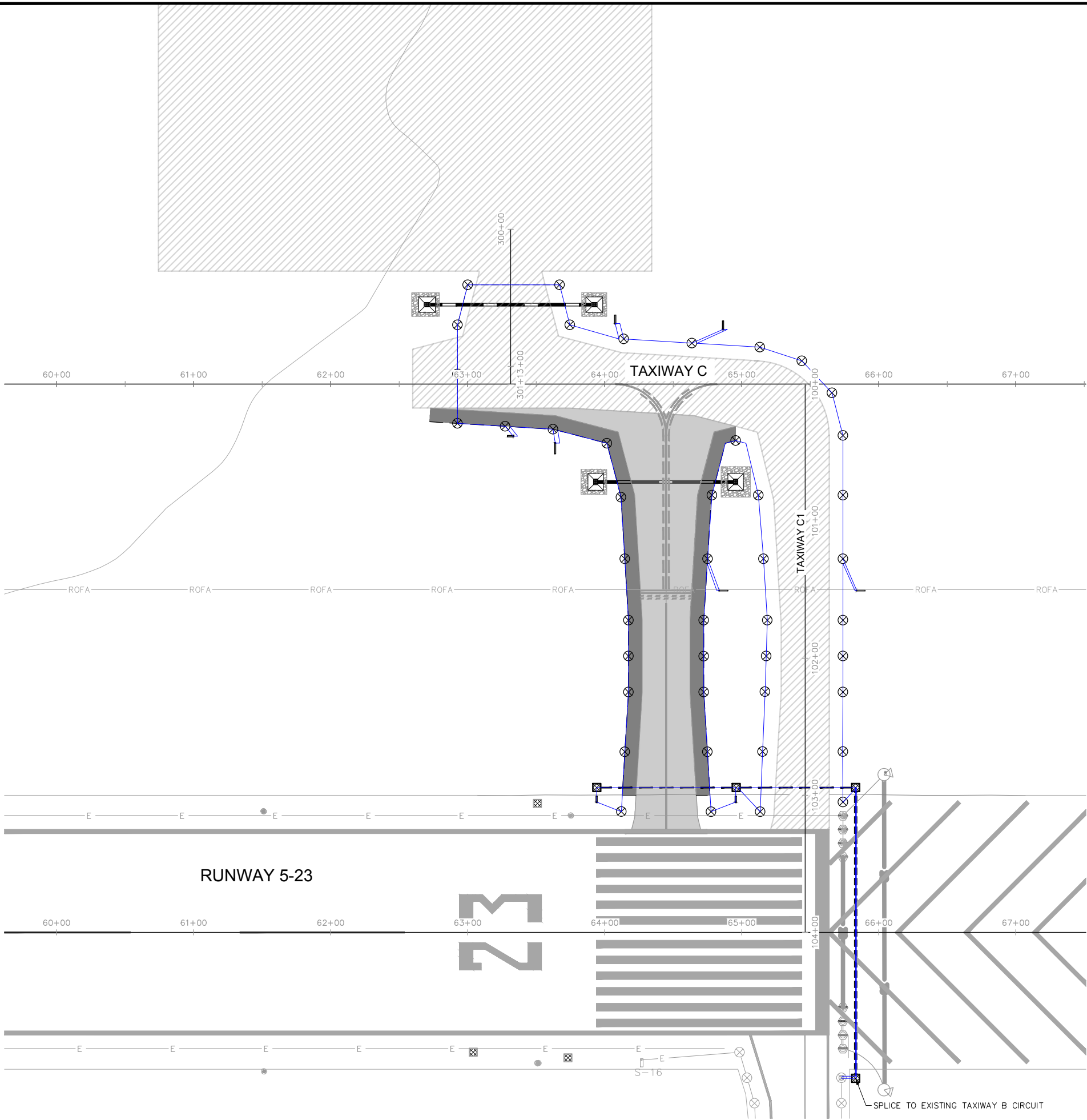


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XREFS: ALPHAVATION\19159301A00 Coolidge OnCall Task 5\CAD\191593014EC - ALT1.dwg May 01, 2025 Sandra.QuirozRamirez
XREFS: ALPHAVATION\19159301A00 Coolidge OnCall Task 5\CAD\191593014E5 - ALT1.dwg May 01, 2025 Sandra.QuirozRamirez
XREFS: ALPHAVATION\19159301A00 Coolidge OnCall Task 5\CAD\191593014B - ALT1.dwg May 01, 2025 Sandra.QuirozRamirez
XREFS: ALPHAVATION\19159301A00 Coolidge OnCall Task 5\CAD\191593014EL - ALT1.dwg May 01, 2025 Sandra.QuirozRamirez

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CIRCUIT		TWY C		DATA TABLE	
QUANTITY	ITEM DESC.	FT./ITEM *		TOTAL LENGTH	
4	HANDHOLE	x 25'	=	100'	
44	TWY LIGHTS	x 10'	=	440'	
8	SIGNS	x 10'	=	80'	
* SLACK CABLE PER SPECS					
ITEM TOTAL LENGTH			=	620'	
+ PLAN CIRCUIT LENGTH			=	2570'	
TOTAL CIRCUIT LENGTH				3190'	
INSTALLED IN THIS PROJECT				3190'	

CONTRACTOR SHALL REPAIR OR PULL NEW CABLE AS NECESSARY TO MAINTAIN ALL OTHER EXISTING AIRFIELD CIRCUITS WHICH ARE DISTURBED AS A RESULT OF MULTIPLE CIRCUIT CABLES SHARING ONE CONDUIT IF THIS CONDITION EXISTS IN THE FIELD.



COOLIDGE MUNICIPAL AIRPORT
GA APRON AND TAXIWAY C
ELECTRICAL CIRCUIT MAP
(ALTERNATIVE 1)

PROJECT NO. 191593014
DRAWING NAME 191593014EC - ALT1.dwg
E3.2
SHEET NO. 37 OF 43



**COOLIDGE MUNICIPAL
AIRPORT**

CITY OF COOLIDGE
GROWTH MANAGEMENT

131 W PINKLEY AVE
COOLIDGE, AZ 85228

SCALE (H): 1"=40'
SCALE (V): N/A

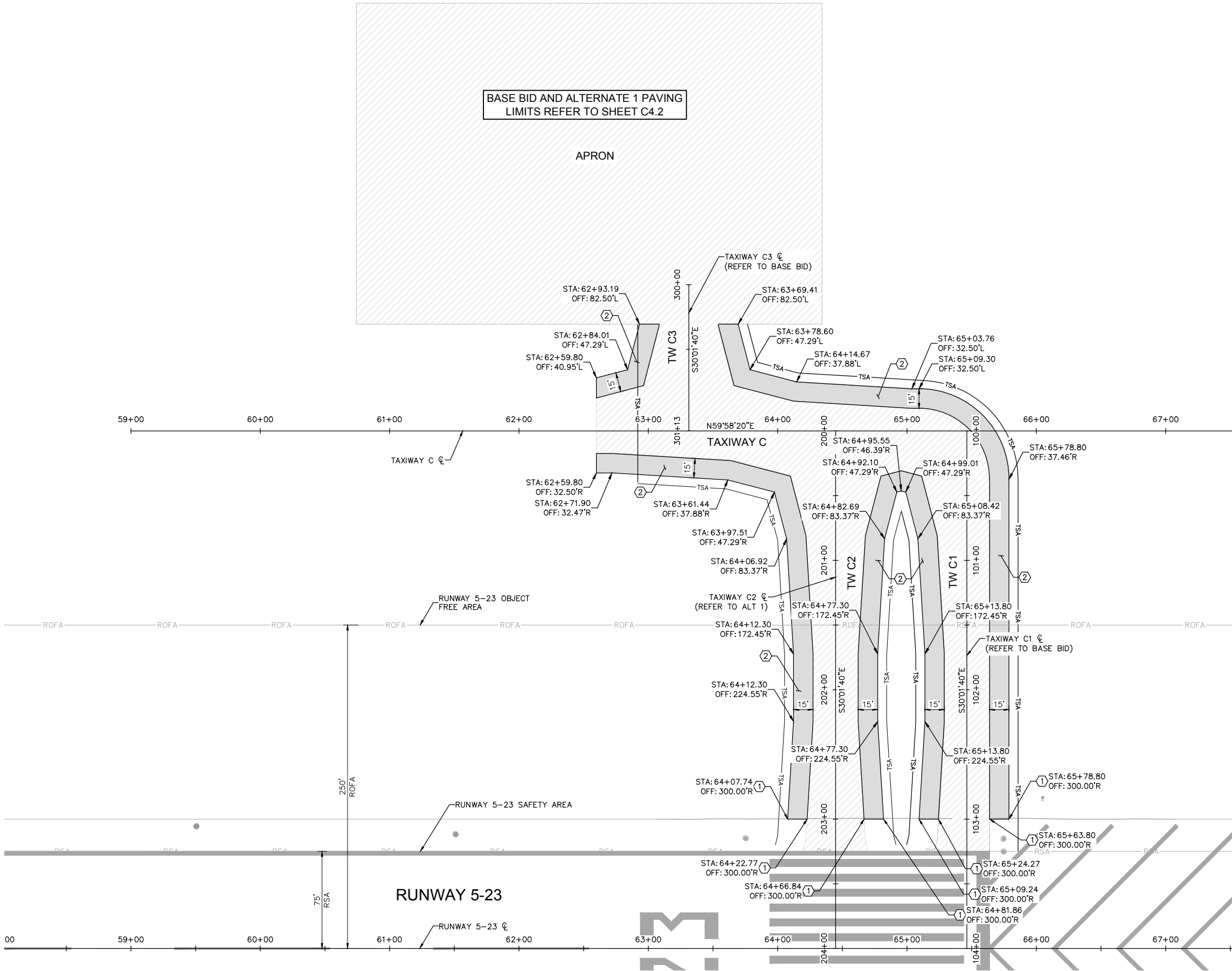
DESIGNED BY: JPT
DRAWN BY: DKP

CHECKED BY: JDB



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K:\New_Aviation\191593014\191593014-ALT2.dwg, May 01, 2025, Sandro Quiroz/Sonnet
K:\New_Aviation\191593014\191593014-ALT2.dwg, May 01, 2025, Sandro Quiroz/Sonnet
K:\New_Aviation\191593014\191593014-ALT2.dwg, May 01, 2025, Sandro Quiroz/Sonnet
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LEGEND

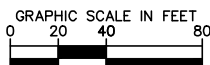
- BASE BID AND ALTERNATE 1 PAVING LIMITS
- CONSTRUCT NEW ASPHALT SHOULDER PAVEMENT

GENERAL NOTES:

- ALL STATIONING AND OFFSETS ARE BASED OFF TAXIWAY C ALIGNMENT UNLESS OTHERWISE NOTED. REFER TO SHEET C1.4 FOR ALIGNMENT DEFINITION.

CONSTRUCTION NOTES:

- MATCH EXISTING.
- CONSTRUCT NEW ASPHALT SHOULDER PAVEMENT PER TYPICAL SECTION ON SHEETS C3.4.

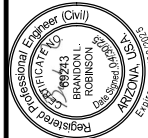


COOLIDGE MUNICIPAL AIRPORT
GA APRON AND TAXIWAY C
GEOMETRIC LAYOUT PLAN
(ALTERNATIVE 2)

PROJECT NO.
191593014
DRAWING NAME
191593014GL-ALT2.dwg
C4.3
SHEET NO. 39 OF 43



SCALE (H): 1"=40'
SCALE (V): N/A
DESIGNED BY: BLR
DRAWN BY: SQR
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DATE: 04/30/25



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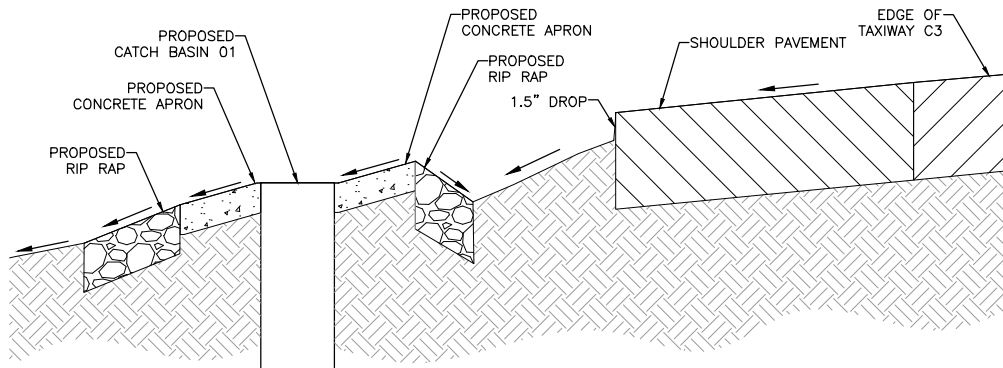
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Call at least two full working days
before you begin excavation.

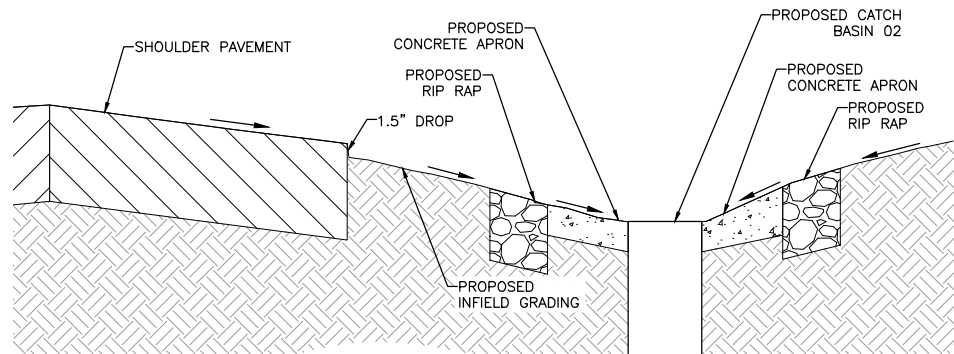
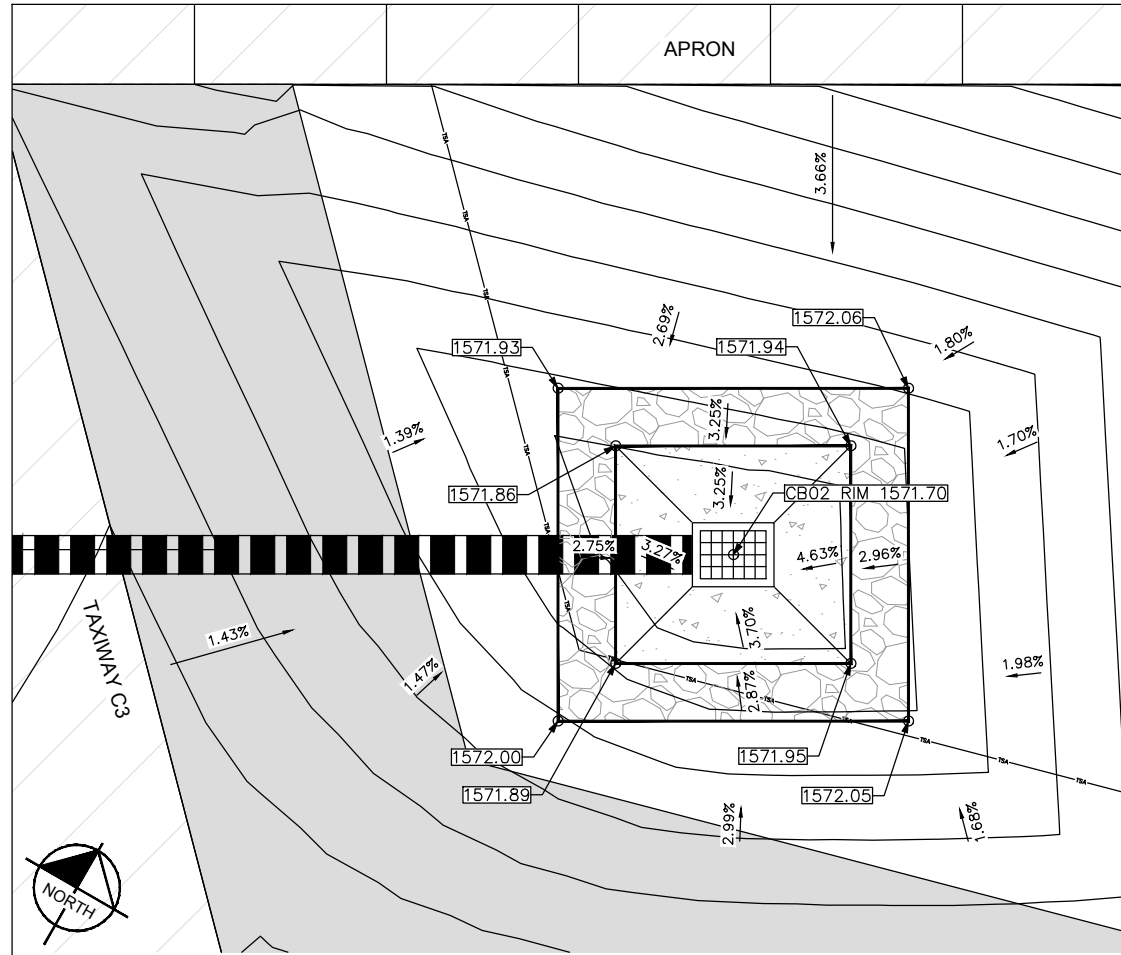
ARIZONA 811
Arizona State Station, Inc.

Dial 8-1-1 or 1-800-STAKE-IT (782-8348)
In Maricopa County (602) 253-1100

COOLIDGE MUNICIPAL AIRPORT GA APRON AND TAXIWAY C GRADING AND DRAINAGE (ALTERNATIVE 2)			 COOLIDGE MUNICIPAL AIRPORT CITY OF COOLIDGE GROWTH MANAGEMENT 131 W PINKLEY AVE COOLIDGE, AZ 85228		SCALE (H): 1"=30' SCALE (V): N/A		 Kimley»Horn © 2025 KIMLEY-HORN AND ASSOCIATES, INC. 7740 North 16th Street, Suite 300 Phoenix, Arizona 85020 (602) 944-5500						
PROJECT NO. 1915930314		DRAWING NAME 1915930314C0-ALT2.dwg		DESIGNED BY: BLR DRAWN BY: BLR CHECKED BY: BLR		DATE: 04/30/25		NO.		REVISION		DATE	
C5.6		SHEET NO. 40 OF 43											

[illegible]

1 CATCH BASIN 01 APRON AND RIP RAP DETAIL
C5.7 1"=5'



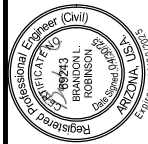
2 CATCH BASIN 02 APRON AND RIP RAP DETAIL
C5.7 1"=5'



**COOLIDGE MUNICIPAL
AIRPORT**

CITY OF COOLIDGE
GROWTH MANAGEMENT
131 W PINKLEY AVE
COOLIDGE, AZ 85228

SCALE (H): N/A
SCALE (V): N/A
DESIGNED BY: BLR
DRAWN BY: SQR
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DATE: 04/30/25



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[illegible]

Plan View Details:

- TAXIWAY C2:** Indicated on the left side of the plan view.
- Grades:** Various slopes are indicated: 1.30%, 0.08%, 1.60%, 1.82%, 1.57%, 1.62%, and 0.50%.
- Spot Elevations:**
 - 1573.13 (Top right corner)
 - 1572.89 (Top center)
 - 1572.90 (Top left)
 - 1572.69 (Middle left)
 - 1573.02 (Bottom left)
 - 1572.62 (Bottom center-left)
 - 1572.72 (Bottom center-right)
 - 1572.85 (Bottom left corner)
 - 1573.12 (Bottom right corner)
 - 1573.33 (Middle right)
 - 1572.45 (CB04 RIM)
- CB04 RIM:** The rectangular structure representing the catch basin.
- North Arrow:** Located in the bottom left corner, pointing towards the top left.

Cross-Section View Details:

- EDGE OF TAXIWAY C2:** The left boundary of the taxiway.
- SHOULDER PAVEMENT:** The paved area adjacent to the taxiway edge.
- 1.5" DROP:** The vertical drop from the shoulder pavement to the catch basin.
- PROPOSED RIP RAP:** The layer of stones at the bottom of the drop.
- PROPOSED CONCRETE APRON:** The flat concrete surface at the base of the drop.
- PROPOSED CATCH BASIN 04:** The rectangular structure shown in plan view, shown in cross-section.
- PROPOSED CONCRETE APRON:** The flat concrete surface at the base of the drop.
- PROPOSED RIP RAP:** The layer of stones at the bottom of the drop.

Call at least two full working days
before you begin construction.

ARIZONA 811
Subsurface Utility Mapping, Inc.

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In Maricopa County (602) 263-1666

