

CITY OF PHOENIX AVIATION DEPARTMENT DESIGN & CONSTRUCTION SERVICES



PROJECT NAME **GOODYEAR AIRPORT INFIELD PAVING - PHASE I**
 ADDRESS **1658 SOUTH LITCHFIELD ROAD, GOODYEAR, AZ 85338**
 PROJECT NUMBER **AV41000079 ADOT**
 ADOT GRANT NUMBER **E2S1G 01C & E3S21 01C**

MAYOR
KATE GALLEGO

VICE MAYOR
YASSAMIN ANSARI

CITY COUNCIL

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DISTRICT NO. 2 JIM WARING	DISTRICT NO. 6 SAL DICICCIO
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DIRECTOR OF AVIATION SERVICES

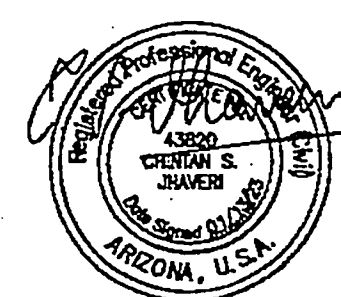
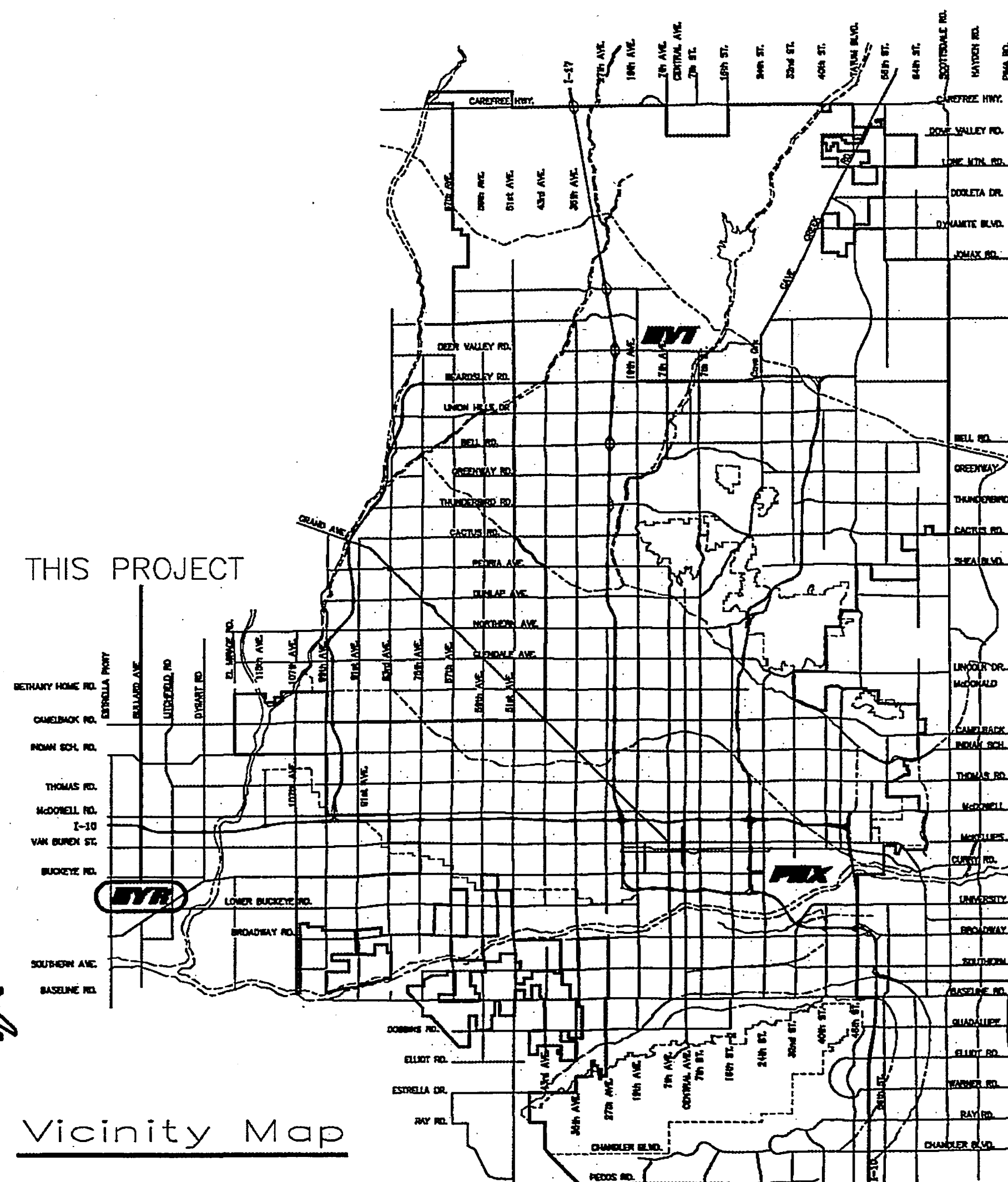
CHAD R. MAKOVSKY, C.M.

APPROVALS

[Signature]
 DEPUTY AVIATION DIRECTOR
 DESIGN & CONSTRUCTION SERVICES DIVISION
[Signature]
 CITY ENGINEER

Jan 23, 2023
DATE

Jan 23, 2023
DATE



AV41000079 ADOT - ISSUED FOR BID

PHX DOT BYR
CITY OF PHOENIX AVIATION DEPARTMENT

APPROXIMATE QUANTITIES

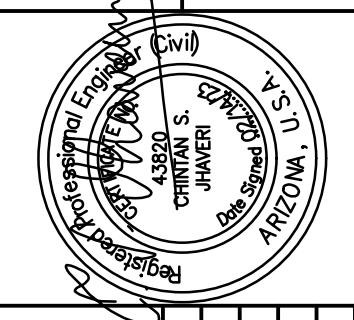
LINE NO.	ITEM NO.	DESCRIPTION	UNIT	QUANTITY
1	M-003-8.1	AIRPORT SAFETY AND SECURITY	LS	1
2	C-100	CONTRACTOR QUALITY CONTROL PROGRAM (CQCP)	LS	1
3	C-102-6.1	STORMWATER POLLUTION PREVENTION	LS	1
4	C-105	MOBILIZATION (4% MAXIMUM)	LS	1
5	U-200-6.1	LOCATION OF UNDERGROUND UTILITIES	LS	1
6	SP-30.1	CONSTRUCTION SURVEY LAYOUT	LS	1
7	SP-31.1	MISCELLANEOUS REMOVALS AND OTHER WORK	LS	1
8	SP-34.1	RAISE EXISTING UTILITY VAULT	EA	7
9	SP-34.2	LOWER EXISTING UTILITY VAULT	EA	1
10	SP-34.3	ADJUST EXISTING DUCT MARKER TO GRADE	EA	1
11	SP-35.1	EXISTING UTILTY RELOCATIONS OR REMOVAL (ALLOWANCE)	ALLOWANCE	1
12	SP-36.1	REMOVE EXISTING ABANDONED CONCRETE AIRFIELD SIGN BASE	EA	1
13	P-101-4.1	REMOVE ASPHALT PAVEMENT (FULL DEPTH UP TO 3")	SY	10,260
14	P-101-5.7.1	REMOVE EXISTING 18" RGRCP	LF	38
15	P-101-5.7.2	REMOVE EXISTING CATCH BASIN	EA	8
16	P-151-4.1	CLEARING AND GRUBBING	LS	1
17	P-152-7.1	UNCLASSIFIED EXCAVATION	CY	8,400
18	P-152-7.2	OVER EXCAVATION OF UNSUITABLE MATERIALS AND BACKFILL WITH SELECT MATERIAL (ALLOWANCE)	ALLOWANCE	1
19	P-152-7.3	UNFORESEEN SOIL CONDITIONS (ALLOWANCE)	ALLOWANCE	1
20	P-403-7.1	ASPHALT CONCRETE PAVEMENT (MAG D-1/2 INCH)	TON	11,470
21	D-701-6.1	18-INCH RGRCP, CLASS V	LF	77
22	D-701-6.2	24-INCH RGRCP, CLASS V	LF	9
23	D-701-6.3	18-INCH CONCRETE PIPE COLLAR PER MAG STD DTL 505	EA	1
24	D-701-6.4	24-INCH CONCRETE PIPE COLLAR PER MAG STD DTL 505	EA	1
25	D-751-6.1	CONSTRUCT CONCRETE CATCH BASIN PER MAG STD DTL 535	EA	8
26	D-751-6.2	CONSTRUCT SHALLOW STORM DRAIN MANHOLE PER MAG STD DTL 522	EA	1
27	L-100-5.1	REMOVE EXISTING CABLE, CONDUIT TO REMAIN	LF	1,870
28	L-100-5.2	EXCAVATE AND REMOVE EXISTING CONDUIT (IF REQUIRED - UTILITY RELOCATION ITEM)	LF	240
29	L-100-5.3	EXCAVATE AND REMOVE EXISTING DUCTBANK (IF REQUIRED - UTILITY RELOCATION ITEM)	LF	245
30	L-100-5.4	TEMPORARY AIRFIELD LIGHTING AND CABLE JUMPERS	LS	1
31	L-108-5.1	L-824, TYPE C, 2/C #8 AWG, 5KV CABLE (W/ BARE #6 STRANDED CU. GROUND)	LF	2,260
32	L-108-5.2	BARE #6 SOLID COPPER COUNTERPOISE CONDUCTOR WITH TWO EACH EXOTHERMIC SPLICES (IF REQUIRED - EXISTING COUNTERPOISE REPAIR ITEM)	LF	500
33	L-110-5.1	SINGLE-WAY, (1) - 2" CONDUIT, SLURRY ENCASED (IF REQUIRED - UTILITY RELOCATION ITEM)	LF	240
34	L-110-5.2	MULTIPLE-WAY, (6) - 2" CONDUIT, SLURRY ENCASED (IF REQUIRED - UTILITY RELOCATION ITEM)	LF	150
35	L-110-5.3	MULTIPLE-WAY, (12) - 2" CONDUIT, SLURRY ENCASED (IF REQUIRED - UTILITY RELOCATION ITEM)	LF	45
36	L-110-5.4	MULTIPLE-WAY, (2) - 4" CONDUIT, SLURRY ENCASED (IF REQUIRED - UTILITY RELOCATION ITEM)	LF	50
37	L-110-5.5	3" MIN / 6" MAX CONCRETE CAP (IF TOP OF EXISTING CONDUITS ARE WITHIN 3" OF 18" MINIMUM DEPTH BELOW MODIFIED GRADE)	LF	485
38	L-125-5.1	INSTALL 3" L-867B EXTENSION ON EXISTING BASE WITH NEW GASKETS, COATED BOLTS AND SPLIT WASHERS FOR ELEVATION ADJUSTMENT	EA	1

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11	GC-404	CONSTRUCTION PHASING PLAN PHASE 4A
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13	GC-406	CONSTRUCTION PHASING PLAN PHASE 4C
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15	EC-100	OVERALL STORMWATER POLLUTION PREVENTION PLAN
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18	EC-103	STORMWATER POLLUTION PREVENTION PLAN
19	EC-501	STORMWATER POLLUTION PREVENTION DETAILS
20	CS-501	TYPICAL SECTIONS
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23	CG-101	INFIELD UTILITY ADJUSTMENTS AND PAVING
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29	EA-001	ELECTRICAL LEGEND AND NOTES
30	EA-101	PARTIAL AIRFIELD ELECTRICAL SITE PLAN
31	EA-102	PARTIAL AIRFIELD ELECTRICAL SITE PLAN
32	EA-501	DUCTBANK DETAILS
33	EA-502	SPLICING AND GROUNDING DETAILS

TRACE CONSULTING
2071 E. Jefferson St. Suite 311 Phoenix, AZ 85024

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"PER CITY OF PHOENIX CITY CODE CHAPTER 2, SECTION 2-2-28, THESE PLANS ARE FOR OFFICIAL USE ONLY AND MAY NOT BE SHARED WITH OTHERS EXCEPT AS REQUIRED TO FULFILL THE OBLIGATIONS OF CONTRACTOR'S CONTRACT WITH THE CITY OF PHOENIX."

PHX BYR
CITY OF PHOENIX AVIATION DEPARTMENT
**GOODYEAR AIRPORT
INFIELD PAVING
PHASE I**
AV 41000079 FAA/ADOT
ADOT GRANT NO.: E2S1G 01C & E3S21 01C

Designed by: G. SHAW
Drawn by: A. SANTILLI
Checked by: C. JHAWERI
Date: 02/14/2023
Dwg. scale: NTS

SHEET OVERVIEW TITLE
**QUANTITY SUMMARY
AND SHEET INDEX**

SHEET REFERENCE NUMBER:
GI-002
SHEET 02 OF 33

DATE
NO
REVISIONS / SUBMISSIONS

NO
REVISIONS / SUBMISSIONS

NO
REVISIONS / SUBMISSIONS

GENERAL NOTES:

1. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL SAFETY REGULATIONS.

CALCULATED DIMENSIONS WILL GOVERN OVER SCALED DIMENSIONS.

3. THE CONTRACTOR SHALL COMPLY WITH ALL CITY, COUNTY, AND STATE TRAFFIC REGULATIONS CONCERNING THE USE OF STREETS AND ROADWAYS FOR HAULING.

4. THESE PLANS SHOW ITEMS TO BE CONSTRUCTED UNDER THIS CONTRACT. ACTUAL FIELD CONDITIONS, GRADES, LOCATIONS AND OTHER FEATURES MAY DIFFER FROM CONDITIONS INDICATED IN THESE DOCUMENTS.

5. HAUL ROUTES - THE LOCATION OF HAUL ROUTES ON THE AIRPORT SHALL BE SUBMITTED BY THE CONTRACTOR FOR APPROVAL BY THE COP AVIATION DEPARTMENT.

COSTS ASSOCIATED WITH THE MATERIALS AND TASKS ABOVE ARE CONSIDERED INCIDENTAL TO THE CONTRACT.

ANY REMOVAL ITEMS OF VALUE ARE TO REMAIN THE PROPERTY OF THE COP UNLESS OTHERWISE INDICATED.

6. SALVAGED ITEMS - ANY SALVAGED ITEMS ARE TO REMAIN THE PROPERTY OF AIRPORT.

7. NO MATERIAL SHALL BE WASTED OR STOCKPILED ON THE AIRPORT UNLESS APPROVED BY THE ENGINEER AND AIRPORT.

8. CONTRACTOR GENERATED DEBRIS, WASTE AND LOOSE MATERIAL CAPABLE OF CAUSING DAMAGE TO AIRCRAFT LANDING GEAR, PROPELLERS AND ROTORS OR OF BEING INGESTED BY JET ENGINES SHALL NOT BE LEFT ON ACTIVE MOVEMENT AREAS.

9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PRESERVATION OF ALL COP PROPERTY AND SHALL LOCATE AND PROTECT CAREFULLY FROM DAMAGE OR DISTURBANCE ALL BENCHMARKS, LAND MONUMENTS AND PROPERTY MARKERS.

10. THE CONTRACTOR IS ADVISED THAT OTHER CONSTRUCTION WILL BE IN PROGRESS DURING ALL OR PART OF THIS PROJECT.

11. EXISTING AIRPORT SURVEY MONUMENTS ARE LOCATED THROUGHOUT THE CONSTRUCTION AREA.

12. SAFETY AND SECURITY - SAFETY AND SECURITY IS THE CONTRACTOR'S RESPONSIBILITY AND SHALL BE COORDINATED WITH AIRPORT OPERATIONS, COP AVIATION DEPARTMENT AND THE ENGINEER.

13. THE CONTRACTOR SHALL NOT ENTER ONTO ANY AREA OUTSIDE OF THE CONSTRUCTION LIMITS, STAGING AREA OR DESIGNATED HAUL ROUTES WITHOUT THE WRITTEN APPROVAL BY THE ENGINEER AND AIRPORT.

14. THE CONTRACTOR SHALL NOTIFY THE COP AVIATION DEPARTMENT IN WRITING, THROUGH THE ENGINEER, A MINIMUM OF SEVENTY-TWO (72) HOURS IN ADVANCE TO OBTAIN CLEARANCE FOR WORK.

15. THE OWNER RESERVES THE RIGHT TO MAKE REVISIONS TO THE FINISHED ELEVATIONS AND GRADIENTS, IF CHANGES ARE NECESSARY.

16. SPECIFICATIONS ARE PROVIDED WHICH REQUIRE THE CONTRACTOR TO APPLY WATER, CHEMICALS, VEGETATION OR OTHER MATERIALS TO PREVENT THE OCCURRENCE OF DUST WHICH IS OBJECTIONABLE TO THE OPERATIONS OR USERS OF THE AREA.

17. EXISTING UTILITY INFORMATION, LIGHTING DUCTS, AND CABLES SHOWN ON THE PLANS CONCERNING THE TYPE, SIZE, AND LOCATION WERE COMPILED BASED ON THE BEST AVAILABLE UTILITY RECORDS TO THE ENGINEER AND AIRPORT.

ARIZONA PUBLIC SERVICE (602) 615-4823, CONTACT: COLIN BARLEYCORN
FAA FACILITIES (480) 247-0020, CONTACT: LEO ALVAREZ
LUMEN (602) 530-0496, CONTACT: JOHN O'DELL
GAS (SW GAS) (602) 484-5344, CONTACT: NORMA JARDIN
CITY WATER/SEWER (602) 261-8229, CONTACT: JAMI ERICKSON
COP ENVIRONMENTAL (602) 273-3396, CONTACT: REBECCA GODLEY
ALL EMERGENCY, FIRE, POLICE, MEDICAL 911, CONTACT: OPERATOR
NON-EMERGENCY POLICE (623) 932-4550, CONTACT: OPERATOR
COP ELECTRICAL (602) 540-7667, CONTACT: DAVID THORNTON
COP COMMUNICATIONS (602) 708-0244, CONTACT: CHAD BLOTKAMP
COP UTILITIES (602) 708-0244, CONTACT: CHAD BLOTKAMP
GT&R (GOODYEAR TIRE AND RUBBER) REMEDIATION FACILITIES (602) 370-3443, CONTACT: PEJMAN ESHRAGHI

18. THE CONTRACTOR SHALL BE RESPONSIBLE TO CONTACT ALL UTILITY OWNERS AND THE PROGRAM MANAGER TO LOCATE ALL EXISTING AND PROPOSED UTILITIES PRIOR TO PERFORMING TRENCHING, MASS EXCAVATION, OR OTHER EARTHWORK.

19. SEVERAL UTILITY OWNERS INCLUDING THE COP AVIATION DEPARTMENT, SOLID WASTE MANAGEMENT DEPARTMENT, HUMAN SERVICES DEPARTMENT, FEDERAL AVIATION ADMINISTRATION, AND OTHERS ARE NOT MEMBERS OF THE BLUE STAKE CENTER NOTIFICATION SYSTEM AND MUST BE NOTIFIED INDIVIDUALLY.

20. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITIES AND ELECTRICAL SYSTEMS TO REMAIN PRIOR TO COMMENCING ANY DRAINAGE EXCAVATION.

21. POWER, CONTROL CABLES AND FIXTURES FOR AIRFIELD LIGHTING AND NAVIGATIONAL AIDS ARE LOCATED IN THE CONSTRUCTION AREAS.

22. ANY DAMAGE TO THE EXISTING AIRPORT LIGHTING SYSTEM CAUSED BY CONSTRUCTION OPERATIONS SHALL BE IMMEDIATELY NOTED TO THE OWNER AND REPAIRED BY THE CONTRACTOR AT ITS OWN EXPENSE.

23. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL FIRE HYDRANTS AT ALL TIMES.

24. THE CONTRACTOR SHALL NOT DRAW WATER FROM ANY FIRE HYDRANT FOR USE ON THE WORK WITHOUT FIRST OBTAINING A WRITTEN PERMIT FROM THE CONTROLLING FIRE DEPARTMENT.

25. THE CONTRACTOR WILL BE REQUIRED TO COORDINATE WITH THE COP AVIATION DEPARTMENT ON THE PRECISE LOCATION AND LIMITS OF THE STAGING AREA, AS WELL AS ANY SPECIAL REQUIREMENTS FOR FENCING, SECURITY OR ACCESS.

26. THE EXACT LIMITS, LIGHTING, AND SECURITY REQUIREMENTS OF THE CONTRACTOR'S STAGING AND STORAGE AREA SHALL BE ESTABLISHED BY THE CONTRACTOR WITH THE APPROVAL OF THE ENGINEER AND AIRPORT IN THE AREAS GENERALLY AS SHOWN ON THE PLANS.

27. THE CONTRACTOR SHALL SUBMIT A DRAWING SHOWING THE PROPOSED SITE LAYOUT OF ANY BATCH PLANTS.

28. THE CONTRACTOR SHALL INVESTIGATE THE AVAILABILITY OF AN ADEQUATE SUPPLY OF SUITABLE WATER FROM AN ON-SITE LOCATION.

29. BATCH PLANT SITES AND OTHER AREAS USED DURING CONSTRUCTION ARE TO BE RESTORED TO THEIR ORIGINAL CONDITION UPON COMPLETION OF THE PROJECT AT NO COST TO THE OWNER.

30. THE CONTRACTOR SHALL COMPLETE CLEAN UP AND RESTORATION OF ENTIRE PROJECT AREA, INCLUDING STAGING AND STORAGE AREAS, AS APPROVED BY THE ENGINEER AND AIRPORT WITHIN 10 DAYS OF CONTRACT COMPLETION DATE.

31. THE CONTRACTOR IS RESPONSIBLE FOR ALL TEMPORARY ELECTRICAL TIE-OVERS THAT WILL BE REQUIRED TO KEEP TAXIWAY EDGE LIGHTS AND SIGNS IN OPERATION AT ALL TIMES WHEN THE PAVEMENT AREAS ARE AVAILABLE TO AIRCRAFT TRAFFIC.

32. THE CONTRACTOR SHALL CONDUCT THE FINAL CLEANING OF AFFECTED AIRPORT PAVEMENTS PRIOR TO REOPENING THE PAVEMENTS TO AIR TRAFFIC.

33. THE CONTRACTOR IS REQUIRED TO PROVIDE LIGHTING FOR CONSTRUCTION DURING THE HOURS OF DARKNESS AS REQUIRED TO PERFORM CONSTRUCTION AND RELATED ACTIVITIES.

34. THE CONTRACTOR'S SUPERINTENDENT SHALL BE ON THE CONSTRUCTION SITE AT ALL TIMES DURING WORKING HOURS WHILE THIS PROJECT IS IN PROGRESS.

35. MOST CONSTRUCTION WORK IN THIS PROJECT WILL OCCUR WITHIN THE AIR OPERATIONS AREA (AOA) AND IS SUBJECT TO OPERATIONAL SAFETY AND SECURITY REQUIREMENTS OF THE COP AND FAA.

36. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TRANSPORTING EMPLOYEES TO AND FROM THE PROJECT SITE IF NECESSARY.

37. ROADS USED AS CONTRACTOR ROUTES MAY BE USED BY OTHER AIRPORT VEHICLES.

38. EACH CONTRACTOR/SUBCONTRACTOR, INCLUDING EACH CONTRACTOR/SUBCONTRACTOR EMPLOYEE, WHO OPERATES A GROUND VEHICLE ON ANY PORTION OF THE AOA AT THE AIRPORT MUST BE FAMILIAR WITH:

- GYR RULES AND REGULATIONS.
•GYR PROCEDURES FOR THE OPERATION OF GROUND VEHICLES.
•FAILURE TO COMPLY WITH GYR RULES AND REGULATIONS AND/OR PROCEDURES FOR THE OPERATION OF GROUND VEHICLES, WILL REQUIRE THE PERSON TO ATTEND A MOVEMENT AREA OPERATING PROCEDURES CLASS.
•THE CONTRACTOR SHALL AT NO TIME CROSS AN ACTIVE RUNWAY OR TAXIWAY UNLESS ESCORTED BY A COP RADIO ESCORT.

ALL CONTRACTOR VEHICLES, INCLUDING HAULING VEHICLES, CONSTRUCTION EQUIPMENT (IE. ROLLERS, BACKHOES, SCRAPERS, ETC.) THAT ARE AUTHORIZED TO OPERATE ON THE AIRPORT WITHIN THE DESIGNATED LIMITS OF CONSTRUCTION OR HAUL ROUTES, SHALL DISPLAY IN FULL VIEW ABOVE THE VEHICLE A 3'X3' OR LARGER ORANGE AND WHITE CHECKERBOARD FLAG.

40. ALL VEHICLES AND EQUIPMENT SHALL BE KEPT WITHIN THE WORK AREAS ESTABLISHED FOR EACH WORKSHIFT UNLESS TRAVELING TO OR FROM THE SITE.

41. CONTRACTOR SHALL PROVIDE TRAINED FLAGMEN TO COORDINATE AND CONTROL CONSTRUCTION TRAFFIC WHEN OPERATING ACROSS ANY ACTIVE TAXIWAY.

42. CONTRACTOR ACCESS GATE SHALL BE MANNED BY A CONTRACTOR SUPPLIED GATE GUARD OR REMAIN LOCKED AT ALL TIMES (WHEN NOT OCCUPIED).

43. CONSTRUCTION EQUIPMENT SHALL NOT PENETRATE THE HEIGHT RESTRICTIONS FOR FAR PART 77.

44. ALL SURFACE RUNOFF FROM THE STAGING AREA OR THE AREAS UNDER CONSTRUCTION SHALL BE COLLECTED AND ADEQUATELY FILTERED BEFORE DISCHARGE INTO THE EXISTING DRAINAGE SYSTEM.

45. NO ADJUSTMENT FOR ADDITIONAL COMPENSATION AND TIME WILL BE MADE FOR TIME LOST IN WORK AREAS CONTIGUOUS TO TAXIWAYS AND RUNWAYS DUE TO AIRCRAFT TRAFFIC.

46. CONTRACTOR SHALL NOTE IN THE RECORD DRAWINGS ANY AND ALL PIPES, DUCTS AND CABLES FOUND DURING EXCAVATION.

47. ANY PAINT USED FOR NEW PAVEMENT MARKINGS SHALL BE LEAD FREE CERTIFIED.

48. BEFORE ANY WORK COMMENCES, AN ASBESTOS AND LEAD SURVEY NEEDS TO BE COMPLETED.

49. IF SOIL IS TO BE REMOVED FROM THE AIRPORT, THEN PRIOR TO ANY WORK COMMENCING, SOIL SAMPLING NEEDS TO BE COMPLETED.

50. IF THE PROJECT WILL DISTURB MORE THAN 1/10 OF AN ACRE, THE CONTRACTOR SHALL OBTAIN A MARICOPA COUNTY DUST CONTROL PERMIT PRIOR TO CONSTRUCTION.

51. THE CONTRACTOR SHALL OBTAIN A CONSTRUCTION GENERAL PERMIT FROM ADEQ AND IMPLEMENT A STORM WATER POLLUTION PREVENTION PLAN (SWPPP).

52. ANY WASTE OR CONSTRUCTION DEBRIS MUST BE DISPOSED OF PROPERLY.

53. CONTRACTOR TO OBTAIN PERMIT FROM THE WATER DEPARTMENT TO ACCESS STORM DRAINS, STORM DRAIN MANHOLES, AND SANITARY SEWER MANHOLES IF REQUIRED.

54. SERVICE ROAD ACCESS SHALL BE MAINTAINED AT ALL TIMES.

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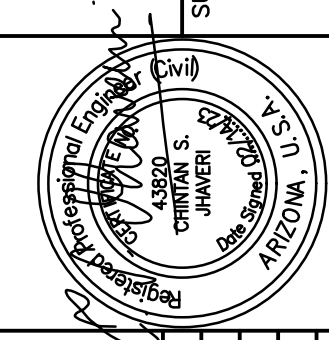


Table with 10 columns: NO, REVISIONS / SUBMISSIONS, DATE. Contains revision details.

PER CITY OF PHOENIX CITY CODE CHAPTER 2, SECTION 2-26, THESE PLANS ARE FOR OFFICIAL USE ONLY AND MAY NOT BE SHARED WITH OTHERS EXCEPT AS REQUIRED TO FULFILL THE OBLIGATIONS OF CONTRACTOR'S CONTRACT WITH THE CITY OF PHOENIX.

PHX CITY OF PHOENIX AVIATION DEPARTMENT
GOODYEAR AIRPORT INFIELD PAVING PHASE I
ADOT GRANT NO.: E2S1G.01C & E8S21 01C

Designed by: G. SHAW
Drawn by: A. SANTILLI
Checked by: C. JHAVERI
Date: 02/14/2023
Dwg. scale: NTS

GENERAL NOTES
SHEET REFERENCE NUMBER: GI-003
SHEET 03 OF 33

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ABBREVIATIONS	
ABBREVIATIONS	DEFINITIONS
7L/25R	RUNWAY DESIGNATION
ABC	AGGREGATE BASE COURSE
AC	ASPHALTIC CONCRETE
ADOT	ARIZONA DEPARTMENT OF TRANSPORTATION
AIP	AIRPORT IMPROVEMENT PROGRAM
APS	ARIZONA PUBLIC SERVICE
ASTM	AMERICAN SOCIETY FOR TESTING MATERIALS
CL OR C	CENTER LINE
C TO C	CENTER TO CENTER
CMP	CORRUGATED METAL PIPE
CONC	CONCRETE
CF OR CU FT	CUBIC FEET
CY	CUBIC YARDS
CZ	CLEAR ZONE
DIA	DIAMETER
DIP	DUCTILE IRON PIPE
D_{50}	DIAMETER OF 50% ROCK SIZE
E	EAST OR EASTING
EA	EACH
ELEC	ELEC/ELECTRICAL
EL OR ELEV	ELEVATION
EX OR EXST	EXISTING
FAA	FEDERAL AVIATION ADMINISTRATION
FIN	FINISHED
FL OR f	FLOW LINE
FT	FOOT
GPM	GALLONS PER MINUTE
ID	INSIDE DIAMETER
IE	INVERT ELEVATION
JB	JUNCTION BOX
L	LENGTH OR LEFT
LBS	POUNDS
LF	LINEAL FOOT
LS	LUMP SUM
LT	LEFT
MAG	MARICOPA ASSOCIATION OF GOVERNMENTS
MAX	MAXIMUM
MH	MANHOLE
MIN	MINIMUM
N	NORTH OR NORTHING
NO.	NUMBER
NPI	NON-PAY-ITEM
NTS	NOT TO SCALE
N/A	NON APPLICABLE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OFZ	OBSTACLE FREE ZONE
PROP	PROPOSED
PVC	POLYVINYL CHLORIDE
PVMT	PAVEMENT
R	RADIUS OR RIGHT
RCP	REINFORCED CONCRETE PIPE
REINF	REINFORCING
ROFA	RUNWAY OBJECT FREE AREA
ROW	RIGHT-OF-WAY
RPZ	RUNWAY PROTECTION ZONE
RSA	RUNWAY SAFETY AREA
RT	RIGHT
RWY	RUNWAY
S	SOUTH OR SLOPE
SAL	SAFETY AREA LIMITS
SD	STANDARD DETAIL OR STORM DRAIN
SECT	SECTION
SHT	SHEET
SPECS	SPECIFICATIONS
STA	STATION
SY	SQUARE YARDS
T	TANGENT LENGTH
TSA	TAXIWAY SAFETY AREA
TWY	TAXIWAY
TYP	TYPICAL
UG	UNDERGROUND
VCP	VITRIFIED CLAY PIPE
W	WEST OR WATER
w	WATT
WT	WEIGHT
#	REBAR SIZE NUMBER

ABBREVIATIONS	
ABBREVIATIONS	DEFINITIONS
AT	AT
ILS	INSTRUMENT LANDING SYSTEM
HP	HIGH POINT
GALV	GALVANIZED
GAL	GALLON
GA	GAUGE
EVC	END VERTICAL CURVE
ESMT	EASEMENT
CONST	CONSTRUCTION
CFS	CUBIC FEET PER SECOND
BVC	BEGIN VERTICAL CURB
BOT	BOTTOM
BC	BEGIN CURVE
ATCT	AIR TRAFFIC CONTROL TOWER
APPROX	APPROXIMATE
ARFF	AIRPORT RESCUE AND FIRE FIGHTING
AOA	AIR OPERATIONS AREA
ALT	ALTERNATE
CTB	CEMENT TREATED BASE
SWPPP	STORM WATER POLLUTION PREVENTION PLAN
SCHD	SCHEDULE
PSHIA	PHOENIX SKY HARBOR INTERNATIONAL AIRPORT
RGRCP	RUBBER GASKET REINFORCED CONCRETE PIPE
KV	KILOVOLT
NAVJ	NORTH AMERICAN VERTICAL DATUM
CLSM	CONTROLLED LOW STRENGTH MATERIAL
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOC.
NOTAM	NOTICE TO AIRMAN
TBM	TEMPORARY BENCH MARKS
COP	CITY OF PHOENIX
PC	POINT OF CURVATURE
PI	POINT OF INTERSECTION
PCC	PORTLAND CEMENT CONCRETE
PCCP	PORTLAND CEMENT CONCRETE PAVEMENT
PETRO	PETROLEUM
PT	POINT OF TANGENCY
PVI	POINT OF VERTICAL INTERSECTION
CPM	CRITICAL PATH METHOD
ADEQ	ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY
SF	SQUARE FEET OR SEMI-FLUSH
STD	STANDARD
VC	VERTICAL CURVE
V OR VERT	VERTICAL
TOFA	TAXIWAY OBJECT FREE AREA
N.O.T.	NOTICE OF TERMINATION
N.O.I.	NOTICE OF INTENT
SIDA	SECURITY IDENTIFICATION DISPLAY AREA
DVT	DEER VALLEY AIRPORT
CPM	CRITICAL PATH METHOD

LEGEND		
DESCRIPTION	EXISTING	PROPOSED
CONCRETE SIGN BASE		
RUNWAY/TAXIWAY EDGE LIGHT		
FLUSH RUNWAY/TAXIWAY EDGE LIGHT		
RUNWAY GUARD LIGHT		
SANITARY SEWER AND MANHOLE		
STORM DRAIN, MANHOLE & INLET		
RUNWAY/TAXIWAY CENTERLINE		
CHAIN LINK FENCE		
MAJOR CONTOUR LINES		
MINOR CONTOUR LINES		
FIBER OPTIC		
GRADE BREAK		
FLOW LINE		
APS MANHOLE		
MONITORING WELL		
WATER LINE		
TELEPHONE		
GAS LINE		
FAA		
ELECTRICAL		
RUNWAY SAFETY AREA		
TAXIWAY SAFETY AREA		
RESTRICTED RUNWAY SAFETY AREA		
RESTRICTED TAXIWAY SAFETY AREA		
CONSTRUCTION NOTE		
SWPPP NOTE		
REFERENCE NOTE OR STORM DRAIN CONSTRUCTION NOTE		
ADJUSTMENT/REMOVAL/DEMOLITION NOTE		
SPOT ELEVATION		
SPOT ELEVATION-CATCH BASIN GRATE		
SAWCUT FULL DEPTH AND MATCH EXISTING		
MATCH EXISTING		

LEGEND AND ABBREVIATIONS

DESIGNED BY: G. SHAW
 DRAWN BY: A. SANTILLI
 CHECKED BY: C. JHAVERI
 DATE: 02/14/2023
 DWG SCALE: NTS

PRIME CONSULTANT
TRACE CONSULTING
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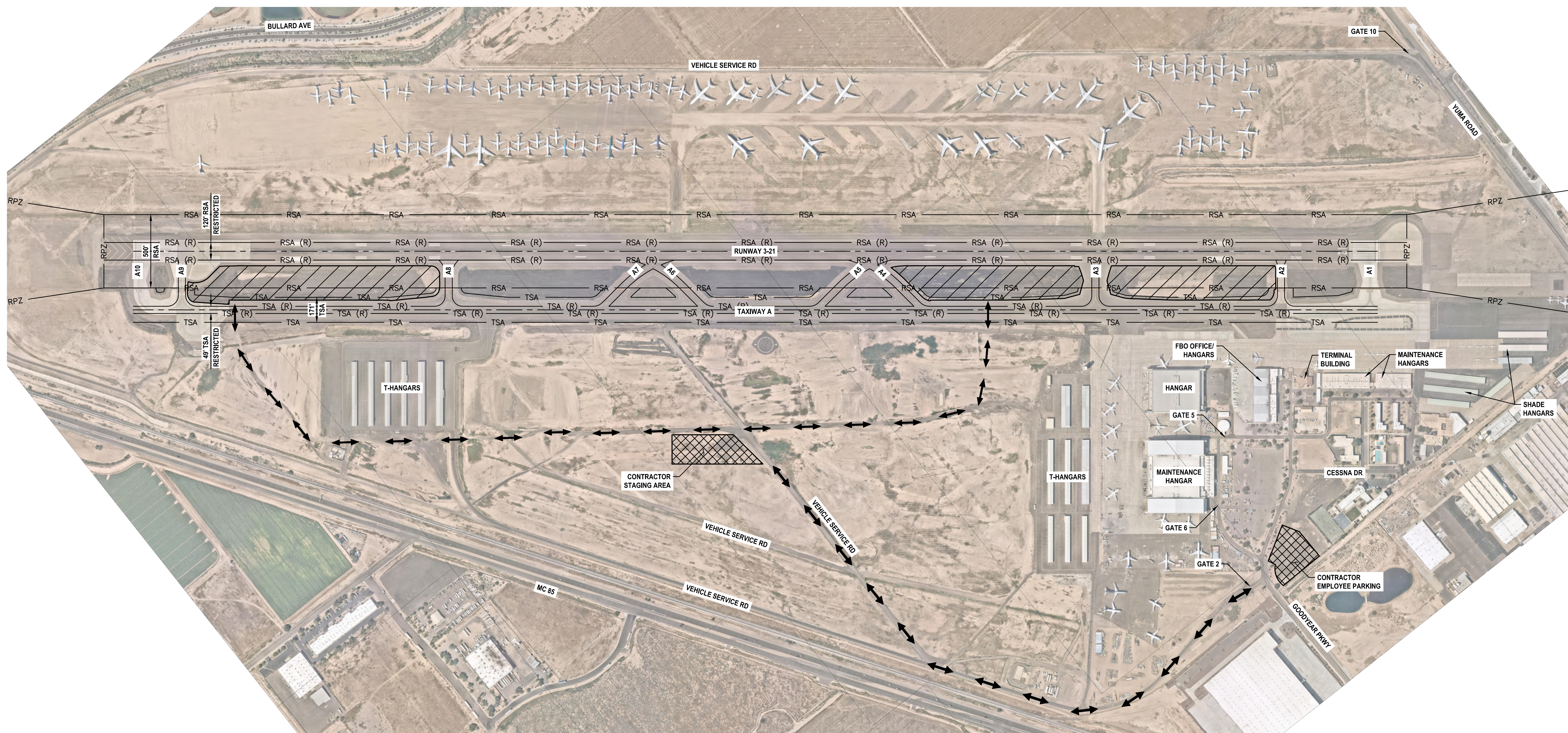
NO.	REVISIONS / SUBMISSIONS	DATE

ADOT GRANT NO.: E2S1G.01C & E3S21.01C

PHOENIX AVIATION DEPARTMENT
 CITY OF PHOENIX
 GOODYEAR AIRPORT
 INFIELD PAVING
 PHASE I
 AV 41000079 FAA/ADOT

SHEET REFERENCE NUMBER:
GI-004
 SHEET 04 OF 33

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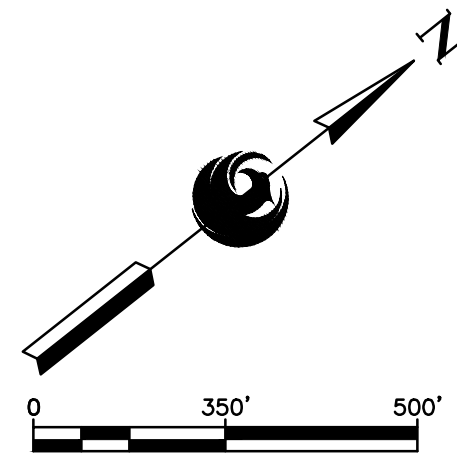


LEGEND

- CONTRACTOR HAUL ROUTE
- RPZ — RUNWAY PROTECTION ZONE
- RSA — RUNWAY SAFETY AREA
- TSA — TAXIWAY SAFETY AREA
- RSA (R) — RESTRICTED RUNWAY SAFETY AREA
- TSA (R) — RESTRICTED TAXIWAY SAFETY AREA
- PROJECT AREA
- CONTRACTOR STAGING AREA/EMPLOYEE PARKING AREA

NOTES:

1. AREAS SHOWN ARE INTENDED TO BE AN APPROXIMATE GEOGRAPHICAL REPRESENTATION.
2. THE CONTRACTOR SHALL COORDINATE THE LIMITS OF THE STAGING AND STORAGE AREA, THE LIMITS OF THE EMPLOYEE PARKING AND TEMPORARY FENCING WITH AIRPORT OPERATIONS PRIOR TO CONSTRUCTION.
3. CONTRACTOR CAN ACCESS THE SITE USING GATE 2. CONTRACTOR SHALL COORDINATE WITH AND OBTAIN APPROVAL FROM AIRPORT OPERATIONS REGARDING USE OF ANY GATE. AIRPORT OPERATIONS MAY ALLOW ACCESS FROM OTHER GATES, BASED ON AVAILABILITY OF SECURITY STAFF.
4. CONTRACTOR TO ENSURE THAT NO CONSTRUCTION TRAFFIC ENTERING SITE BACKS UP ON OR BLOCKS ANY PUBLIC STREET.
5. ANY EXISTING PAVEMENT AREA ALONG ANY HAUL ROUTE SHALL BE ADEQUATELY PROTECTED PER CIVIL TECHNICAL SPECIFICATION ITEM M-003 PRIOR TO ANY HAULING ACTIVITIES.
6. CONTRACTOR SHALL COORDINATE EXACT LOCATION OF TAXIWAY CROSSING POINTS WITH AIRPORT OPERATIONS WITHIN THE LIMITS OF THE PROJECT. THE AIRPORT MAY REQUIRE THE CONTRACTOR TO BE ESCORTED ACROSS ALL ACTIVE TAXIWAYS.



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 CONSULTING
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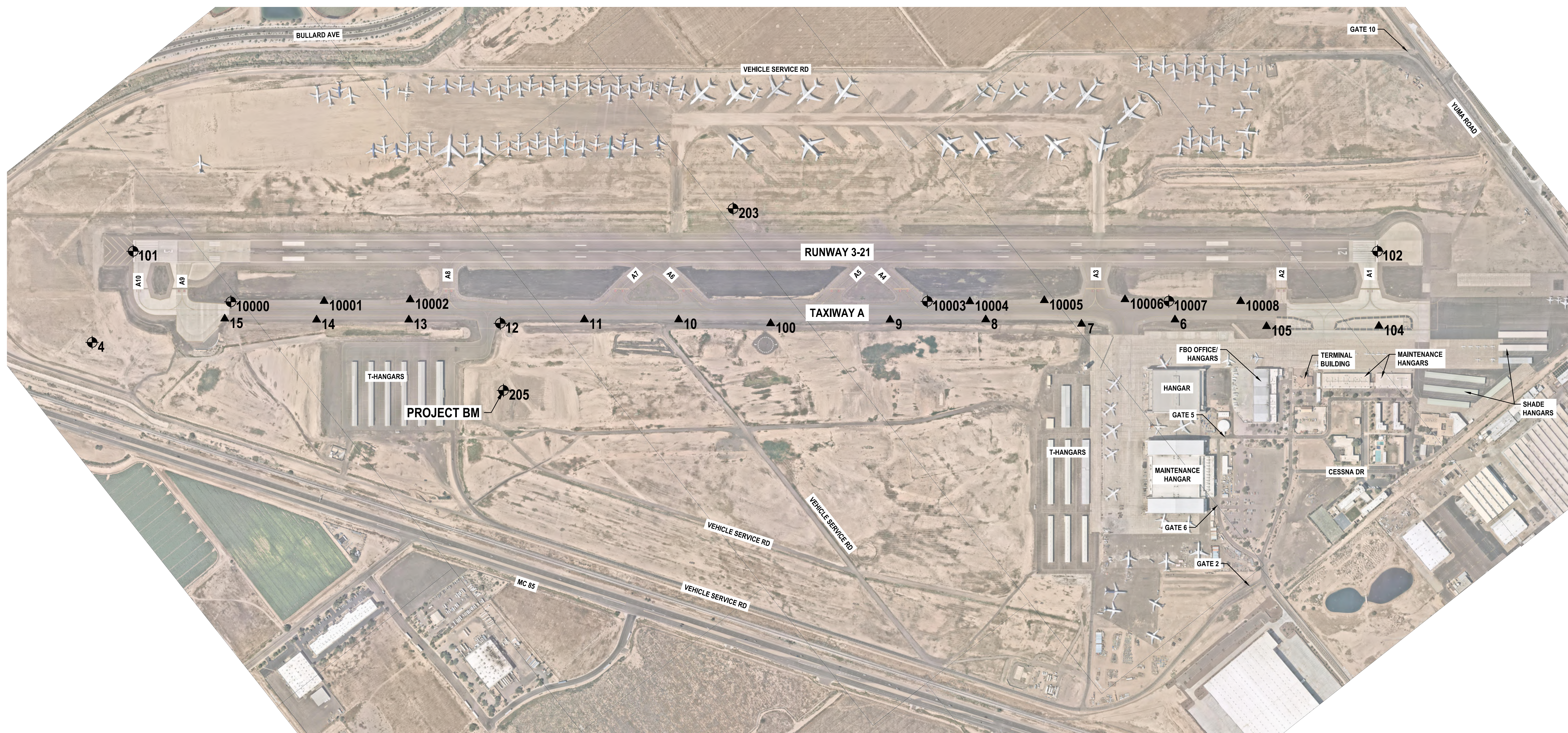
PER CITY OF PHOENIX CITY CODE CHAPTER 2, SECTION 2-2-28, THESE PLANS ARE FOR OFFICIAL USE ONLY AND MAY NOT BE SHARED WITH OTHERS EXCEPT AS REQUIRED TO FULFILL THE OBLIGATIONS OF CONTRACTOR'S CONTRACT WITH THE CITY OF PHOENIX.

NO	REVISIONS / SUBMISSIONS	DATE

PHX BYR
 CITY OF PHOENIX AVIATION DEPARTMENT
GOODYEAR AIRPORT
INFIELD PAVING
PHASE I
 AV 41000079 FAA/ADOT
 ADOT GRANT NO.: E2S1G.01C & E5S21.01C

Designed by: G. SHAW
 Drawn by: A. SANTILLI
 Checked by: C. JHAVERI
 Date: 02/14/2023
 Dwg. scale: 1"=350'

SHEET OVERVIEW TITLE
PROJECT LAYOUT PLAN



GRID CONTROL POINTS				
POINT NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION
4	878011.68	557795.46	941.71	GY-10
101	878617.36	557481.19	942.49	FOUND BRASS CAP FLUSH 3
102	885283.88	562754.44	968.75	FOUND BRASS CAP FLUSH 21
203	882011.82	559795.33	956.54	FOUND BRASS CAP FLUSH GY-05
205	880011.82	559795.36	942.01	FOUND BRASS CAP FLUSH GY-09
10000	878926.76	558166.38	939.78	SET MAG NAIL
10003	882660.00	561115.31	954.90	SET MAG NAIL
10007	883954.70	562137.28	956.23	SET MAG NAIL

SURVEY CONTROL POINTS				
POINT NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION
6	883909.00	562262.92	955.85	SET NAIL W/ FEATHER
7	883390.21	561889.28	957.52	SET NAIL W/ FEATHER
8	882895.50	561460.44	955.29	SET RB W/ YELLOW CAP
9	882382.10	561056.11	954.39	SET RB W/ YELLOW CAP
10	881250.73	560158.79	951.72	SET RB W/ YELLOW CAP
11	880745.91	559758.95	949.35	SET RB W/ YELLOW CAP
12	880278.75	559423.13	945.82	FOUND NAIL W/ FEATHER
13	879804.23	559016.07	944.38	SET NAIL W/ FEATHER
14	879310.02	558625.53	941.87	SET NAIL W/ FEATHER
15	878822.26	558230.41	939.93	SET X

SURVEY CONTROL POINTS				
POINT NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION
100	881726.92	560569.12	952.31	SET AC
104	884974.85	563160.61	962.68	SET X
105	884371.52	562686.19	958.73	SET NAIL W/ FEATHER
10001	879429.34	558557.35	942.41	SET MAG NAIL
10002	879897.00	558914.20	944.61	SET MAG NAIL
10004	882887.30	561296.00	955.79	SET MAG NAIL
10005	883290.87	561605.46	956.33	SET MAG NAIL
10006	883726.83	561942.50	956.61	SET MAG NAIL
10008	884338.51	562442.48	957.18	SET MAG NAIL

SURVEY CONTROL NOTES

THE SURVEY CONTROL PARAMETERS FOR THIS SURVEY ARE BASED ON THE CITY OF PHOENIX GOODYEAR AIRPORT CONTROL PLAN DATED FEBRUARY 26, 2015 BY MORRISON MAIERLE, PROJECT NO. AV41000070 ADOT.

ALL COORDINATES ARE SPC AZ CENTRAL ZONE NAD 83 GROUND COORDINATES SCALED ABOUT AN ORIGIN OF 0,0 USING A GRID ADJUSTMENT FACTOR OF 1.00012.

INTERMEDIATE GRID CONTROL POINTS AND SURVEY CONTROL POINTS FOR INDIVIDUAL WERE SET BASED ON THE CONTROL PLAN DESCRIBED ABOVE.

THE FIELD PORTION OF THIS SURVEY WAS PERFORMED DURING THE MONTH OF APRIL, 2022.

PROJECT BENCHMARK:
 GY-09, A BRASS CAP FLUSH, PER THE CITY OF PHOENIX GOODYEAR AIRPORT CONTROL PLAN DATED FEBRUARY 26, 2015 BY MORRISON MAIERLE, PROJECT NO. AV41000070 ADOT HAVING AN ELEVATION OF 942.01.

TRACE CONSULTING
 2071 E. McDowell St., Suite 11 Phoenix, AZ 85004

PRIME CONSULTANT

SUB CONSULTANT

PER CITY OF PHOENIX CITY CODE CHAPTER 2, SECTION 2-28, THESE PLANS ARE FOR OFFICIAL USE ONLY AND MAY NOT BE SHARED WITH OTHERS EXCEPT AS REQUIRED TO FULFILL THE OBLIGATIONS OF CONTRACTOR'S CONTRACT WITH THE CITY OF PHOENIX.

NO.	REVISIONS / SUBMISSIONS	DATE

**GOODYEAR AIRPORT
INFIELD PAVING
PHASE I**

AV 41000079 FAA/ADOT
ADOT GRANT NO.: E2S1G.01C & E5S21.01C

Designed by: G. SHAW
 Drawn by: A. SANTILLI
 Checked by: C. JHAVERI
 Date: 02/14/2023
 Dwg. scale: 1"=350'

SHEET OVERVIEW TITLE

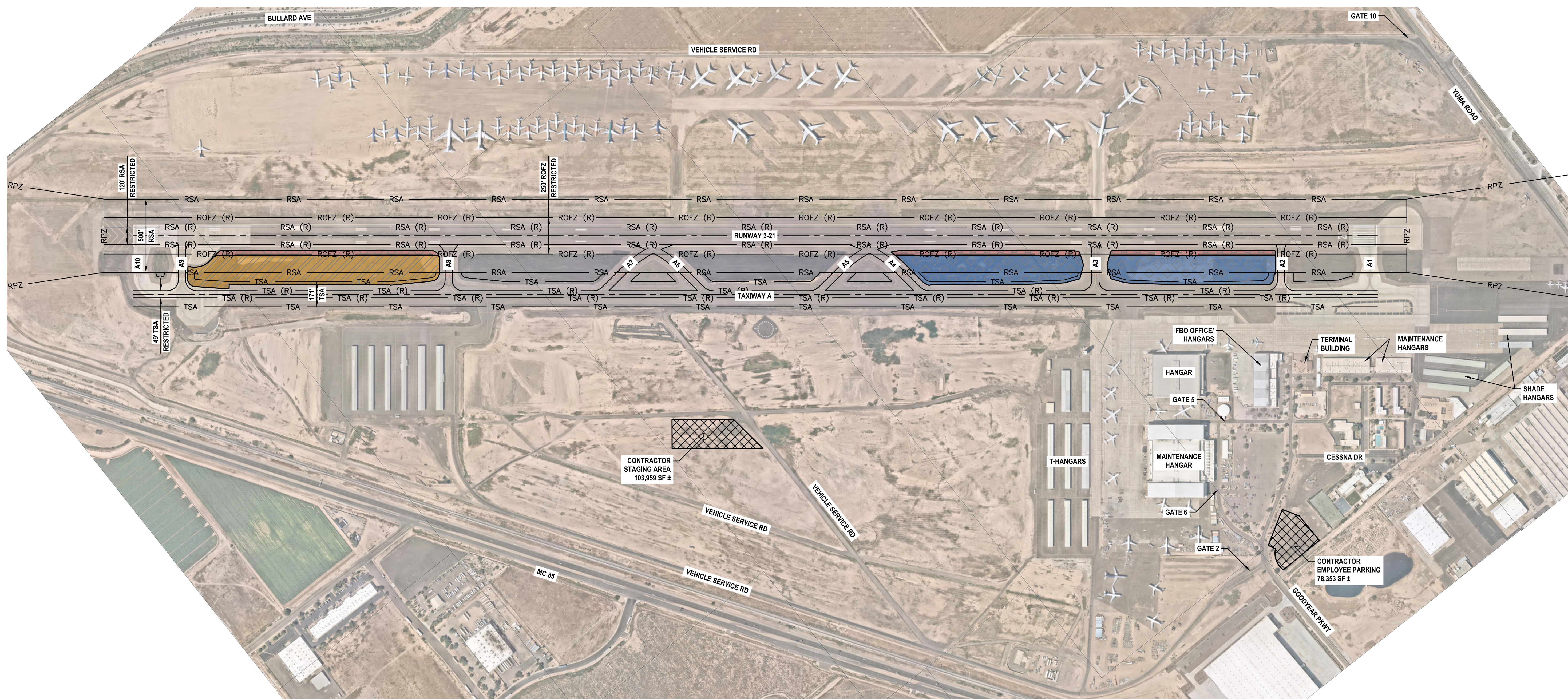
SURVEY CONTROL PLAN

SHEET REFERENCE NUMBER:
VF-401

SHEET 06 OF 33

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N:\2022\220201 - GYR Infield Paving Phase 1\Drawings\AV41000079 FAA-ADOT-GC-400.dwg - Feb 14, 2023 5:09pm



NOTES:

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2. THE CONTRACTOR SHALL COORDINATE THE LIMITS OF THE STAGING AND STORAGE AREA, THE LIMITS OF THE EMPLOYEE PARKING AND TEMPORARY FENCING WITH AIRPORT OPERATIONS PRIOR TO CONSTRUCTION.
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4. CONTRACTOR TO ENSURE THAT NO CONSTRUCTION TRAFFIC ENTERING SITE BACKS UP ON OR BLOCKS ANY PUBLIC STREET.
5. ANY EXISTING PAVEMENT AREA ALONG ANY HAUL ROUTE SHALL BE ADEQUATELY PROTECTED PER CIVIL TECHNICAL SPECIFICATION ITEM M-003 PRIOR TO ANY HAULING ACTIVITIES.

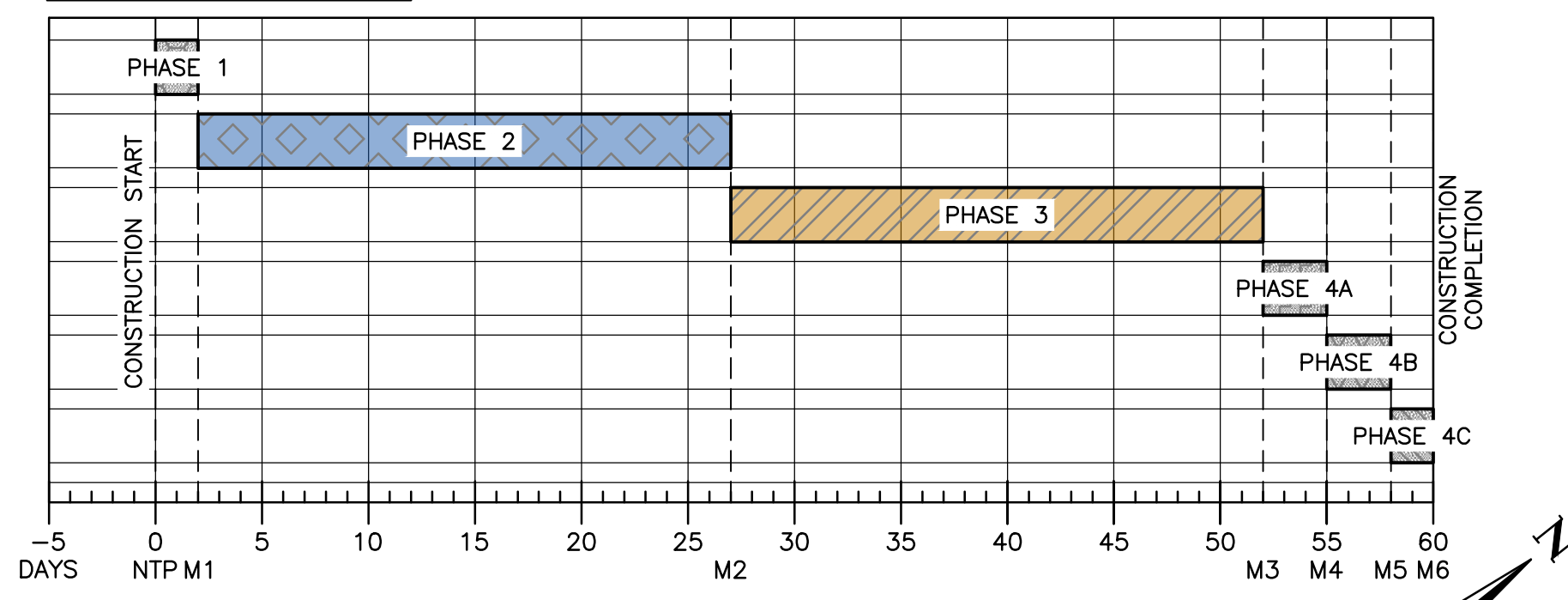
GENERAL NOTES:

1. UNLESS OTHERWISE NOTED, ALL NOTES AND REFERENCES TO PHASES ARE APPLICABLE TO EACH SUB-PHASE. SUB-PHASES ARE INDICATED WITH LETTERED SUFFIXES (IE. 1A, 2B, ETC).
2. SCHEDULE OF WORK AND SEQUENCE OF CONSTRUCTION PHASES SHALL BE COORDINATED WITH GYR.
3. CONSTRUCTION ACTIVITIES ARE NOT PERMITTED AT THE AIRPORT DURING GYR MORATORIUM DATES. CONTRACTOR SHALL COORDINATE WITH GYR FOR SCHEDULING OF WORK ACTIVITIES.
4. CONTRACTOR SHALL PROVIDE SUFFICIENT FLAG PERSONS TO ENSURE CONSTRUCTION VEHICLES USING THE CONSTRUCTION HAUL ROAD DO NOT INTERRUPT TRAVEL OF AIRCRAFT TO AND FROM THE GATES DURING CONSTRUCTION. FLAG PERSONS SHOWN ON THESE PLANS ARE THE MINIMUM THE CONTRACTOR MUST PROVIDE. SEE INDIVIDUAL PHASES FOR ADDITIONAL FLAG PERSONS REQUIREMENTS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE WITH AIRPORT PERSONNEL IF FIELD CONDITIONS WARRANT ADDITIONAL FLAG PERSONS OR ESCORT VEHICLES. TWO FLAG PERSONS SHALL BE USED DURING ALL OFF SITE HAULING OPERATION AND NEW DELIVERIES OF MATERIALS.
5. THE CONTRACTOR SHALL WORK ON A SINGLE PHASE AT A TIME. EACH PHASE OF WORK MUST BE RETURNED TO FULL OPERATIONAL LEVELS PRIOR TO BEGINNING WORK ON NEXT PHASE.
6. THE CONTRACTOR SHALL PERFORM THE WORK IN THE PHASING SEQUENCES SHOWN ON THE PLANS AND AS DESCRIBED IN THE SPECIFICATIONS.
7. SEE THE INDIVIDUAL PHASING SHEETS FOR ADDITIONAL INFORMATION ON IMPACTS TO OPERATIONS ON TAXIWAY A AND RUNWAY 3-21 FOR EACH PHASE.

LEGEND

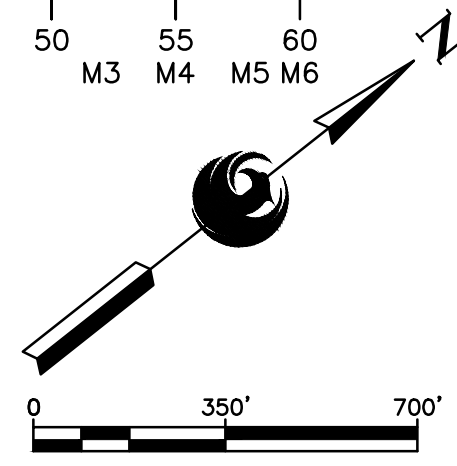
- RPZ — RUNWAY PROTECTION ZONE
- RSA — RUNWAY SAFETY AREA
- TSA — TAXIWAY SAFETY AREA
- RSA (R) — RESTRICTED RUNWAY SAFETY AREA
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- ROFZ (R) — RESTRICTED RUNWAY OBSTACLE FREE ZONE
- CONTRACTOR STAGING/EMPLOYEE PARKING AREA

PHASING SCHEDULE



LEGEND

- PHASE 1 - APPROXIMATELY 2 CALENDAR DAYS
- PHASE 2 - APPROXIMATELY 25 CALENDAR DAYS
- PHASE 3 - APPROXIMATELY 25 CALENDAR DAYS
- PHASE 4A - APPROXIMATELY 3 CALENDAR DAYS
- PHASE 4B - APPROXIMATELY 3 CALENDAR DAYS
- PHASE 4C - APPROXIMATELY 2 CALENDAR DAYS



PRIME CONSULTANT
TRACER CONSULTING
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SUB CONSULTANT
[Signature]

SHEET OVERVIEW TITLE
OVERALL CONSTRUCTION PHASING PLAN

SHEET REFERENCE NUMBER:
GC-400

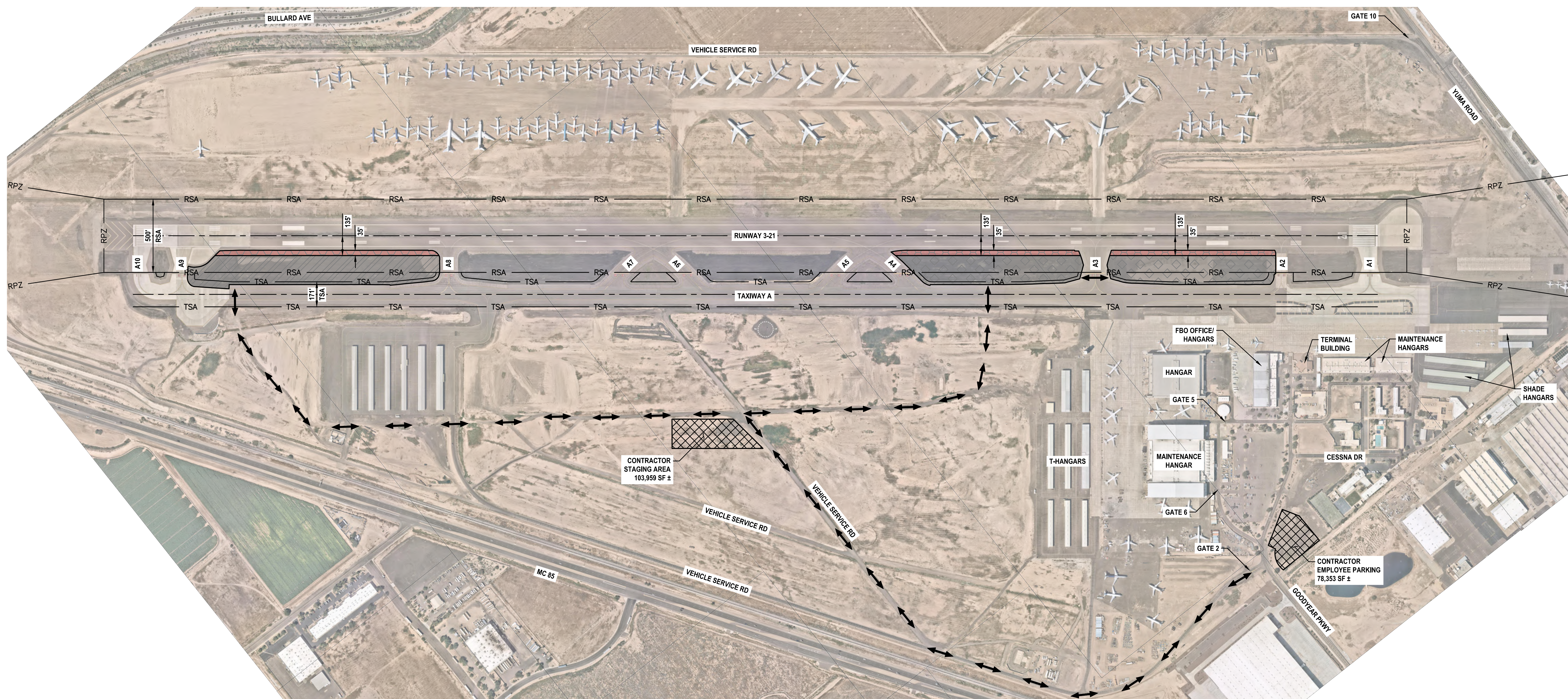
SHEET 07 OF 33

DESIGNED BY: G. SHAW
DRAWN BY: A. SANTILLI
CHECKED BY: C. JHAVERI
DATE: 02/14/2023
DWG SCALE: 1"=350'

CITY OF PHOENIX AVIATION DEPARTMENT
GOODYEAR AIRPORT INFIELD PAVING PHASE 1
AV 41000079 FAA/ADOT
ADOT GRANT NO.: E2S1G 01C & E5S21 01C

REVISIONS / SUBMISSIONS
NO. DATE

PER CITY OF PHOENIX CITY CODE CHAPTER 2, SECTION 2-28, THESE PLANS ARE FOR OFFICIAL USE ONLY AND MAY NOT BE SHARED WITH OTHERS EXCEPT AS REQUIRED TO FULFILL THE OBLIGATIONS OF CONTRACTOR'S CONTRACT WITH THE CITY OF PHOENIX.



NOTES:

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4. CONTRACTOR TO ENSURE THAT NO CONSTRUCTION TRAFFIC ENTERING SITE BACKS UP ON OR BLOCKS ANY PUBLIC STREET.
5. ANY EXISTING PAVEMENT AREA ALONG ANY HAUL ROUTE SHALL BE ADEQUATELY PROTECTED PER CIVIL TECHNICAL SPECIFICATION ITEM M-003 PRIOR TO ANY HAULING ACTIVITIES.

PHASE 1 ELEMENTS:

PHASE 1 ACTIVITIES GENERALLY CONSIST OF PAVEMENT SAWCUT, GRADING AND EARTHWORK, SUBGRADE COMPACTION. ALL WORK THROUGH SUBGRADE COMPACTION SHALL BE COMPLETED WITHIN THE AREAS INDICATED WITHIN A 48-HOUR RUNWAY CLOSURE. THE CLOSURE SHALL BE COORDINATED BETWEEN THE CONTRACTOR AND GYR AIRPORT OPERATIONS STAFF.

AREAS CLOSED TO AIRCRAFT OPERATIONS:

RUNWAY 3-21 CLOSED.

DURATION OF CLOSURES:

RUNWAY CLOSURES EXPECTED FOR THE ENTIRE PHASE DURATION OF APPROXIMATELY 2 CALENDAR DAYS.

TAXI ROUTES OF REDUCED TSA AND TOFA TO REFLECT REDUCED ADG USE:

AIRCRAFT SHOULD NOT BE OPERATING WITHIN THE MOVEMENT AREA. CONTRACTOR SHALL COORDINATE WITH GYR OPERATIONS STAFF FOR ANY AIRCRAFT TAXIING MOVEMENTS.

ARFF ACCESS ROUTES:

THERE IS NO ARFF AT THE AIRPORT.

CONSTRUCTION STAGING, DISPOSAL, AND CLEANOUT AREAS:

CONTRACTOR STAGING, DISPOSAL, AND CLEANOUT AREAS ARE IDENTIFIED ON THIS PLAN SHEET AND CONSIST OF THE APPROXIMATE AREA AS SHOWN.

IMPACTS TO NAVAIDS:

THERE IS NO ANTICIPATED IMPACT TO NAVAIDS DURING THIS PHASE OF CONSTRUCTION.

LIGHTING, MARKING, AND SIGNING CHANGES:

NO LIGHTING, MARKING, AND SIGNAGE CHANGES ARE ANTICIPATED FOR THIS PHASE.

AVAILABLE RUNWAY LENGTH AND/OR REDUCED RSA AND ROFA TO REFLECT REDUCED ADG USE:

RUNWAY 3-21 CLOSED.

REQUIRED HAZARD MARKING, LIGHTING, AND SIGNING:

THERE ARE NO HAZARD MARKING, LIGHTING OR SIGNING REQUIREMENTS FOR THIS PHASE.

WORK ZONE LIGHTING FOR NIGHTTIME CONSTRUCTION:

LIGHTING EQUIPMENT MUST ADEQUATELY ILLUMINATE THE WORK AREA. ALL SUPPORT EQUIPMENT, EXCEPT HAUL TRUCKS, SHALL BE EQUIPPED WITH ARTIFICIAL ILLUMINATION.

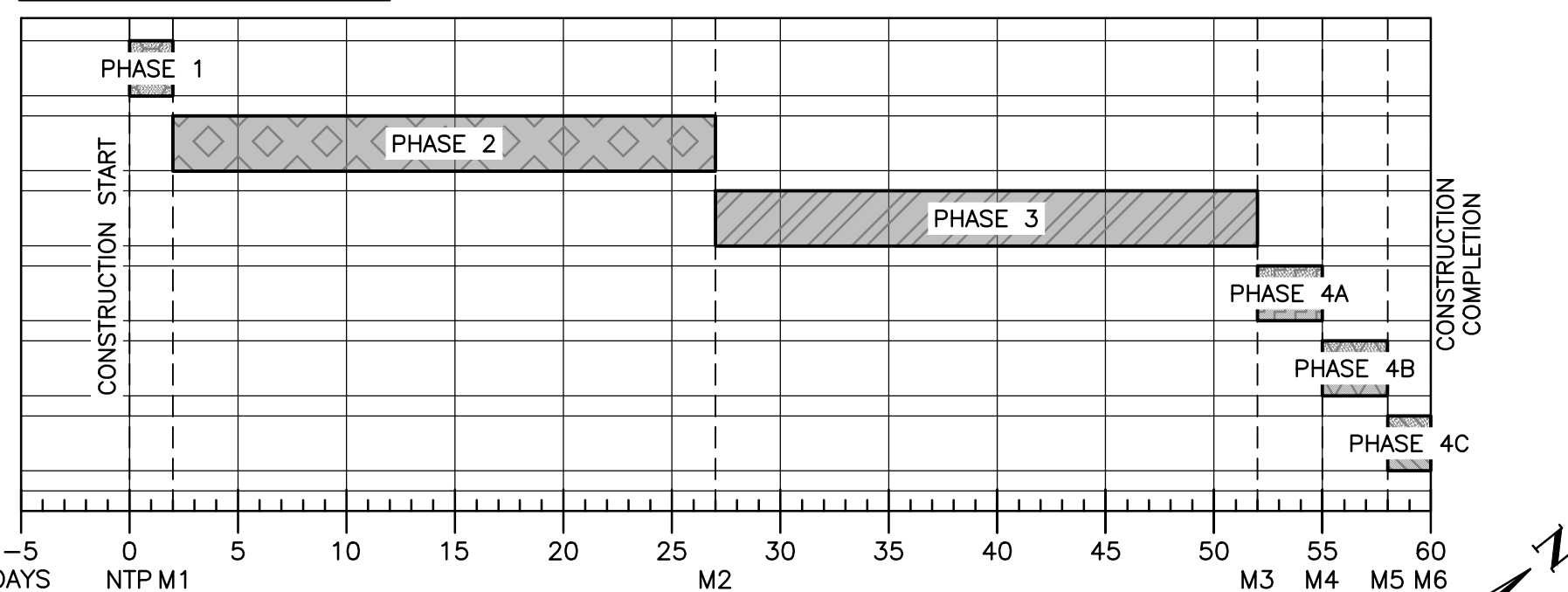
LEAD TIMES REQUIRED FOR NOTIFICATIONS:

THE CONTRACTOR IS REQUIRED TO NOTIFY AIRPORT OPERATIONS A MINIMUM OF 72 HOURS IN ADVANCE TO PROVIDE REQUIRED NOTIFICATIONS.

LEGEND

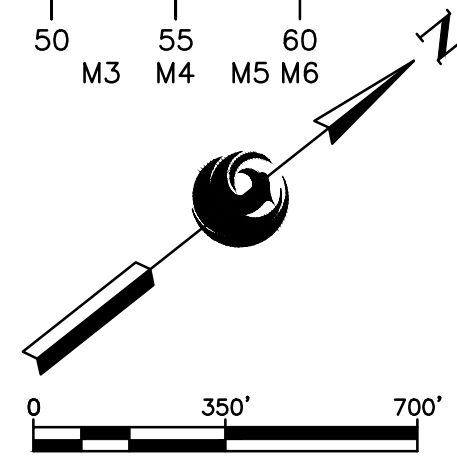
- CONTRACTOR HAUL ROUTE
- RPZ — RUNWAY PROTECTION ZONE
- RSA — RUNWAY SAFETY AREA
- TSA — TAXIWAY SAFETY AREA
- CONTRACTOR STAGING/EMPLOYEE PARKING AREA

PHASING SCHEDULE



LEGEND

- PHASE 1 — APPROXIMATELY 2 CALENDAR DAYS
- PHASE 2 — APPROXIMATELY 25 CALENDAR DAYS
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- PHASE 4A — APPROXIMATELY 3 CALENDAR DAYS
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- PHASE 4C — APPROXIMATELY 2 CALENDAR DAYS



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TRACER CONSULTING
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NO	REVISIONS / SUBMISSIONS	DATE

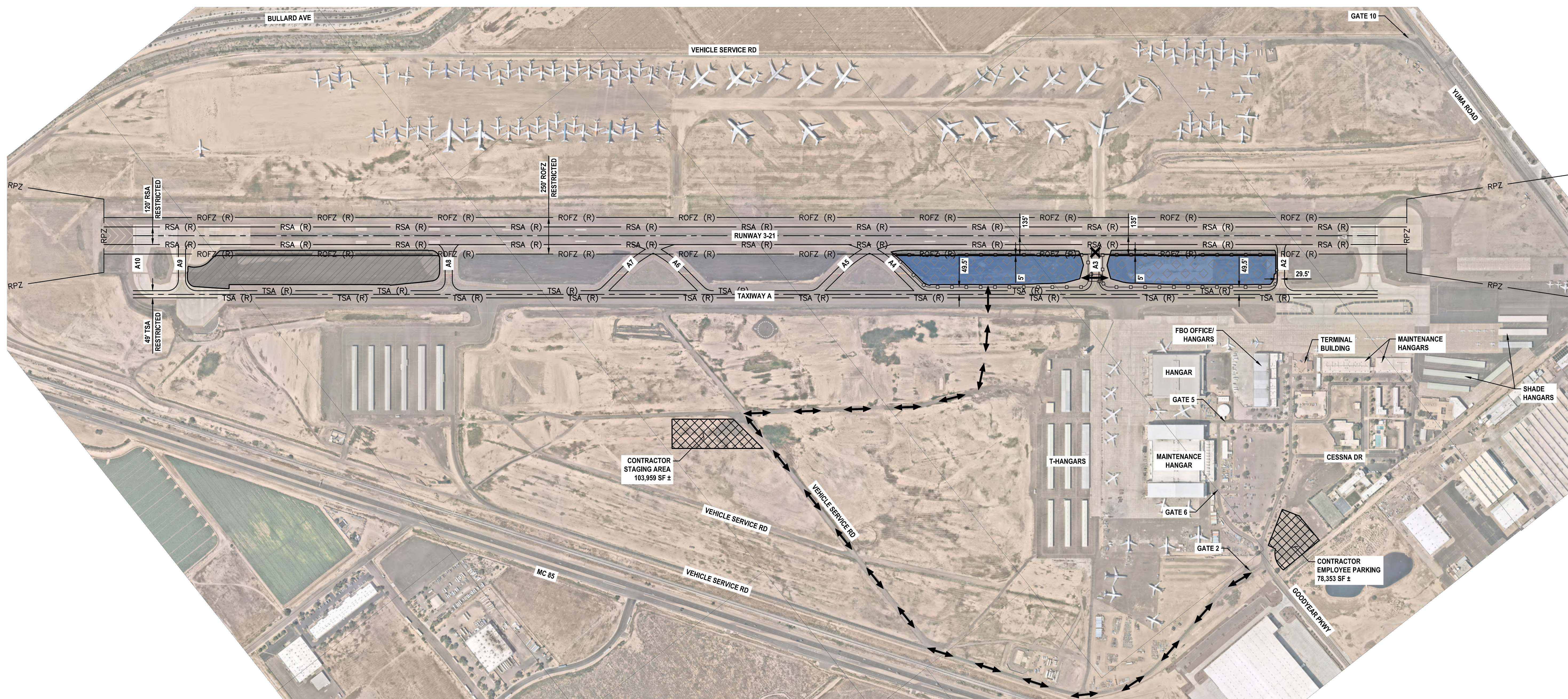
PHX BYR
CITY OF PHOENIX AVIATION DEPARTMENT
**GOODYEAR AIRPORT
INFIELD PAVING
PHASE 1**
AV 41000079 FAA/ADOT
ADOT GRANT NO.: E2S1G.01C & E3S21.01C

Designed by: G. SHAW
Drawn by: A. SANTILLI
Checked by: C. JHAVERI
Date: 02/14/2023
Dwg scale: 1"=350'

SHEET OVERVIEW TITLE
**CONSTRUCTION PHASING PLAN
PHASE 1**

SHEET REFERENCE NUMBER:
GC-401
SHEET 08 OF 33

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NOTES:

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- THE CONTRACTOR SHALL COORDINATE THE LIMITS OF THE STAGING AND STORAGE AREA, THE LIMITS OF THE EMPLOYEE PARKING AND TEMPORARY FENCING WITH AIRPORT OPERATIONS PRIOR TO CONSTRUCTION.
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- 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 PROTECTED PER CIVIL TECHNICAL SPECIFICATION ITEM M-003 PRIOR TO ANY HAULING ACTIVITIES.

PHASE 2 ELEMENTS:

PHASE 2 ACTIVITIES GENERALLY CONSIST OF PAVEMENT SAWCUT, GRADING AND EARTHWORK, EXCAVATION FOR AND INSTALLATION OF PIPE AND STORM DRAIN STRUCTURES, SUBGRADE COMPACTION.

AREAS CLOSED TO AIRCRAFT OPERATIONS:

RUNWAY 3-21 RESTRICTED TO RDC B-I AIRCRAFT. ALL TAXIWAYS RESTRICTED TO ADG I (49'-FT) AIRCRAFT. TAXIWAY A3 CLOSED.

DURATION OF CLOSURES:

RUNWAY AND TAXIWAY RESTRICTIONS AND CLOSURES EXPECTED NIGHTLY BETWEEN 2100 AND 0600 HOURS FOR THE ENTIRE PHASE DURATION OF APPROXIMATELY 25 CALENDAR DAYS.

TAXI ROUTES OF REDUCED TSA AND TOFA TO REFLECT REDUCED ADG USE:

TAXI ROUTES ARE UNAFFECTED BUT FOR THE REDUCED TSA WIDTH TO 49' AND THE TOFA WIDTH TO 89'.

ARFF ACCESS ROUTES:

THERE IS NO ARFF AT THE AIRPORT.

CONSTRUCTION STAGING, DISPOSAL, AND CLEANOUT AREAS:

CONTRACTOR STAGING, DISPOSAL, AND CLEANOUT AREAS ARE IDENTIFIED ON THIS PLAN SHEET AND CONSIST OF THE APPROXIMATE AREA AS SHOWN.

IMPACTS TO NAVAIDS:

THERE IS NO ANTICIPATED IMPACT TO NAVAIDS DURING THIS PHASE OF CONSTRUCTION.

LIGHTING, MARKING, AND SIGNING CHANGES:

RUNWAY EXIT SIGNS FOR TAXIWAY A3 SHALL BE COVERED. TAXIWAY DIRECTION AND LOCATION SIGNS FOR TAXIWAY A3 SHALL BE COVERED. TEMPORARY JUMPERS WILL BE INSTALLED AND CIRCUIT ISOLATION WILL BE DONE TO MAINTAIN CIRCUIT OPERATION IN THE AN3 INFIELD.

AVAILABLE RUNWAY LENGTH AND/OR REDUCED RSA AND ROFA TO REFLECT REDUCED ADG USE:

THE FULL LENGTH OF RUNWAY 3-21 IS AVAILABLE. THE RSA FOR RUNWAY 3-21 IS REDUCED TO 120'. THE ROFA FOR RUNWAY 3-21 IS REDUCED TO 400'.

REQUIRED HAZARD MARKING, LIGHTING, AND SIGNING:

THE TAXIWAY A3 INTERSECTION SHALL BE CLOSED USING LOW PROFILE BARRICADES WITH RED (STEADY OR FLASHING) LIGHTS MOUNTED ON THE BARRICADE SPACED NO MORE THAN 10-FEET. THE RUNWAY EXIT AT TAXIWAY A3 SHALL BE CLOSED USING A TEMPORARY YELLOW 'X'.

WORK ZONE LIGHTING FOR NIGHTTIME CONSTRUCTION:

LIGHTING EQUIPMENT MUST ADEQUATELY ILLUMINATE THE WORK AREA. ALL SUPPORT EQUIPMENT, EXCEPT HAUL TRUCKS, SHALL BE EQUIPPED WITH ARTIFICIAL ILLUMINATION.

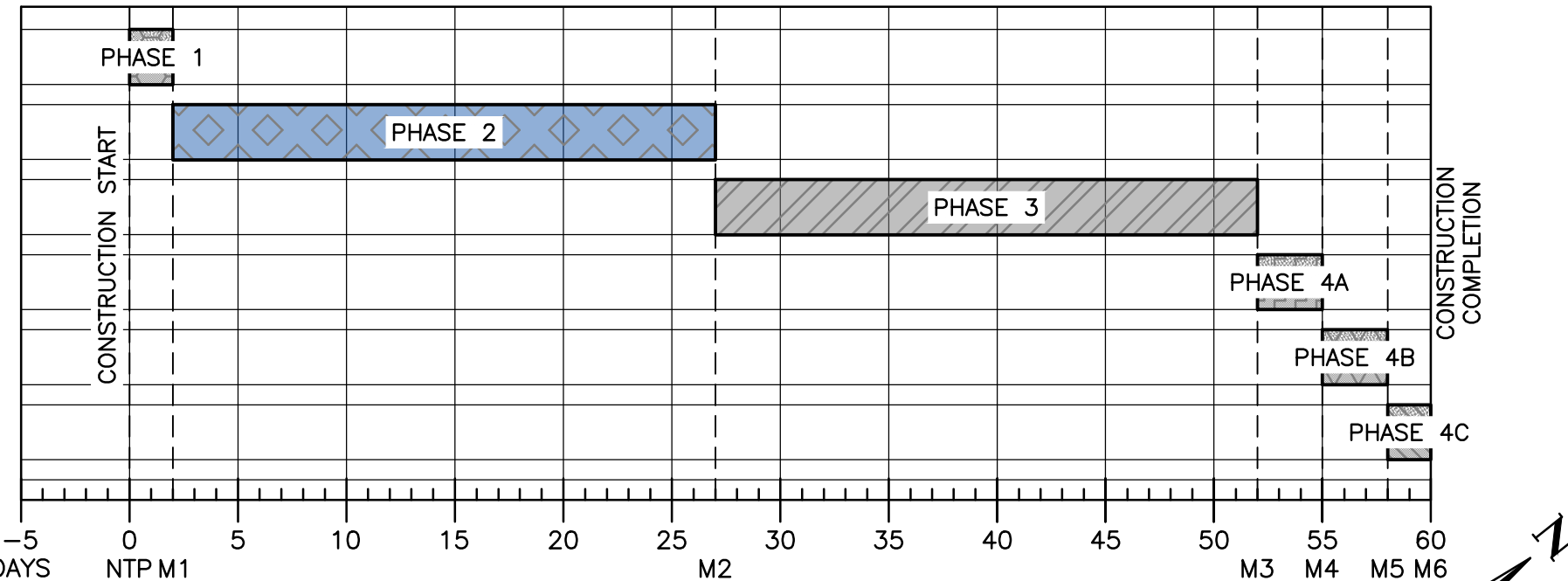
LEAD TIMES REQUIRED FOR NOTIFICATIONS:

THE CONTRACTOR IS REQUIRED TO NOTIFY AIRPORT OPERATIONS A MINIMUM OF 72 HOURS IN ADVANCE TO PROVIDE REQUIRED NOTIFICATIONS.

LEGEND

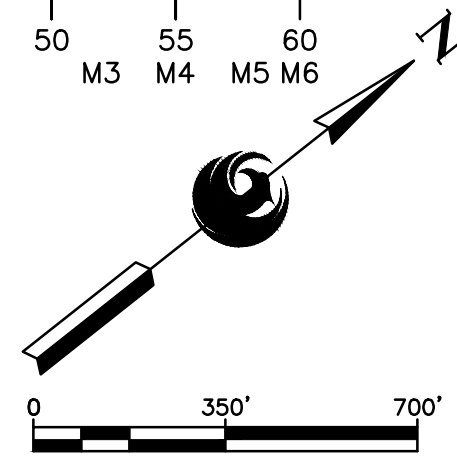
- CONTRACTOR HAUL ROUTE
- TAXIWAY CLOSURE MARKER
- RPZ - RUNWAY PROTECTION ZONE
- RSA (R) - RESTRICTED RUNWAY SAFETY AREA
- TSA (R) - RESTRICTED TAXIWAY SAFETY AREA
- ROFZ (R) - RESTRICTED RUNWAY OBSTACLE FREE ZONE
- LOW LEVEL BARRICADES (40' SPACING)
- VERTICAL PANEL BARRICADES (40' SPACING)
- CONTRACTOR STAGING/EMPLOYEE PARKING AREA

PHASING SCHEDULE



LEGEND

- PHASE 1 - APPROXIMATELY 2 CALENDAR DAYS
- PHASE 2 - APPROXIMATELY 25 CALENDAR DAYS
- PHASE 3 - APPROXIMATELY 25 CALENDAR DAYS
- PHASE 4A - APPROXIMATELY 3 CALENDAR DAYS
- PHASE 4B - APPROXIMATELY 3 CALENDAR DAYS
- PHASE 4C - APPROXIMATELY 2 CALENDAR DAYS



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PRIME CONSULTANT
SUB CONSULTANT

APPROVED FOR THE CITY OF PHOENIX
CITY ENGINEER
JAMES S. JAWORSKI
PHOENIX, AZ

NO	REVISIONS / SUBMISSIONS	DATE

PHX BYR
CITY OF PHOENIX AVIATION DEPARTMENT

**GOODYEAR AIRPORT
INFIELD PAVING
PHASE I**

AV 41000079 FAA/ADOT
ADOT GRANT NO.: E2S1G.01C & E3S21.01C

Designed by: G. SHAW
Drawn by: A. SANTILLI
Checked by: C. JHAVERI
Date: 02/14/2023
Dwg scale: 1"=350'

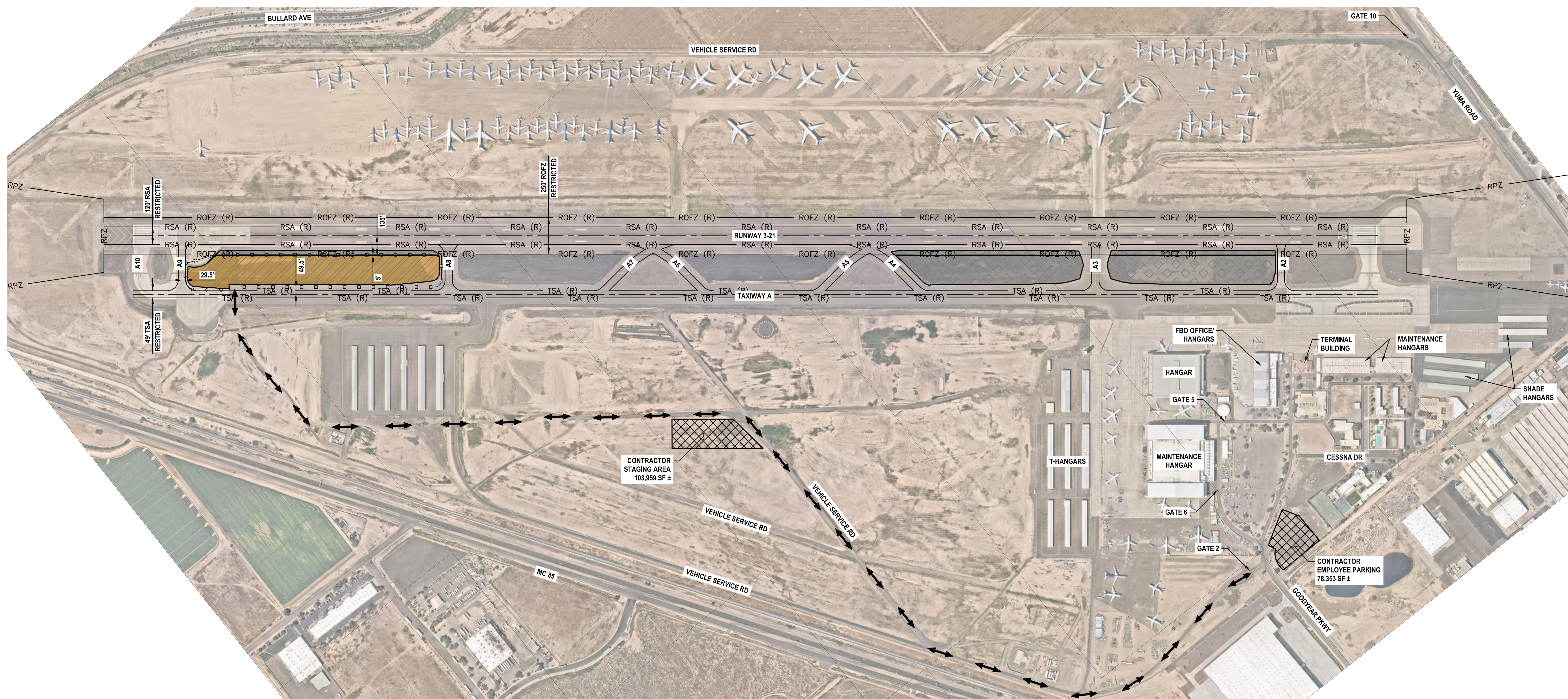
SHEET OVERVIEW TITLE

**CONSTRUCTION PHASING PLAN
PHASE 2**

SHEET REFERENCE NUMBER:
GC-402

SHEET 09 OF 33

N:\2022\220201 - GVR Infield Paving Phase I\Drawings_AV41000079 FAA-ADOT - GC-402.dwg - Feb 14, 2023 5:10pm



NOTES:

- AREAS SHOWN ARE INTENDED TO BE AN APPROXIMATE GEOGRAPHICAL REPRESENTATION.
- THE CONTRACTOR SHALL COORDINATE THE LIMITS OF THE STAGING AND STORAGE AREA, THE LIMITS OF THE EMPLOYEE PARKING AND TEMPORARY FENCING WITH AIRPORT OPERATIONS PRIOR TO CONSTRUCTION.
- CONTRACTOR CAN ACCESS THE SITE USING GATE 2. CONTRACTOR SHALL COORDINATE WITH AND OBTAIN APPROVAL FROM AIRPORT OPERATIONS REGARDING USE OF ANY 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 PROTECTED PER CIVIL TECHNICAL SPECIFICATION ITEM M-003 PRIOR TO ANY HAULING ACTIVITIES.

PHASE 3 ELEMENTS:

PHASE 3 ACTIVITIES GENERALLY CONSIST OF PAVEMENT SAWCUT, GRADING AND EARTHWORK, EXCAVATION FOR AND INSTALLATION OF PIPE AND STORM DRAIN STRUCTURES, SUBGRADE COMPACTION.

AREAS CLOSED TO AIRCRAFT OPERATIONS:
 RUNWAY 3-21 RESTRICTED TO RDC B-I AIRCRAFT.
 ALL TAXIWAYS RESTRICTED TO ADG I (49-FT) AIRCRAFT.

DURATION OF CLOSURES:
 RUNWAY AND TAXIWAY RESTRICTIONS AND CLOSURES EXPECTED NIGHTLY BETWEEN 2100 AND 0600 HOURS FOR THE ENTIRE PHASE DURATION OF APPROXIMATELY 25 CALENDAR DAYS.

TAXI ROUTES OF REDUCED TSA AND TOFA TO REFLECT REDUCED ADG USE:
 TAXI ROUTES ARE UNAFFECTED BUT FOR THE REDUCED TSA WIDTH TO 49' AND THE TOFA WIDTH TO 89'.

ARFF ACCESS ROUTES:
 THERE IS NO ARFF AT THE AIRPORT.

CONSTRUCTION STAGING, DISPOSAL, AND CLEANOUT AREAS:
 CONTRACTOR STAGING, DISPOSAL, AND CLEANOUT AREAS ARE IDENTIFIED ON THIS PLAN SHEET AND CONSIST OF THE APPROXIMATE AREA AS SHOWN.

IMPACTS TO NAVAIDS:
 THERE IS NO ANTICIPATED IMPACT TO NAVAIDS DURING THIS PHASE OF CONSTRUCTION.

LIGHTING, MARKING, AND SIGNING CHANGES:
 NO LIGHTING, MARKING, AND SIGNING CHANGES ARE ANTICIPATED FOR THIS PHASE.

AVAILABLE RUNWAY LENGTH AND/OR REDUCED RSA AND ROFA TO REFLECT REDUCED ADG USE:
 THE FULL LENGTH OF RUNWAY 3-21 IS AVAILABLE. THE RSA FOR RUNWAY 3-21 IS REDUCED TO 120'. THE ROFA FOR RUNWAY 3-21 IS REDUCED TO 400'.

REQUIRED HAZARD MARKING, LIGHTING, AND SIGNING:
 LOW PROFILE BARRICADES WITH RED (STEADY OR FLASHING) LIGHTS MOUNTED ON THE BARRICADE SHALL BE SPACED NO MORE THAN 10-FEET.

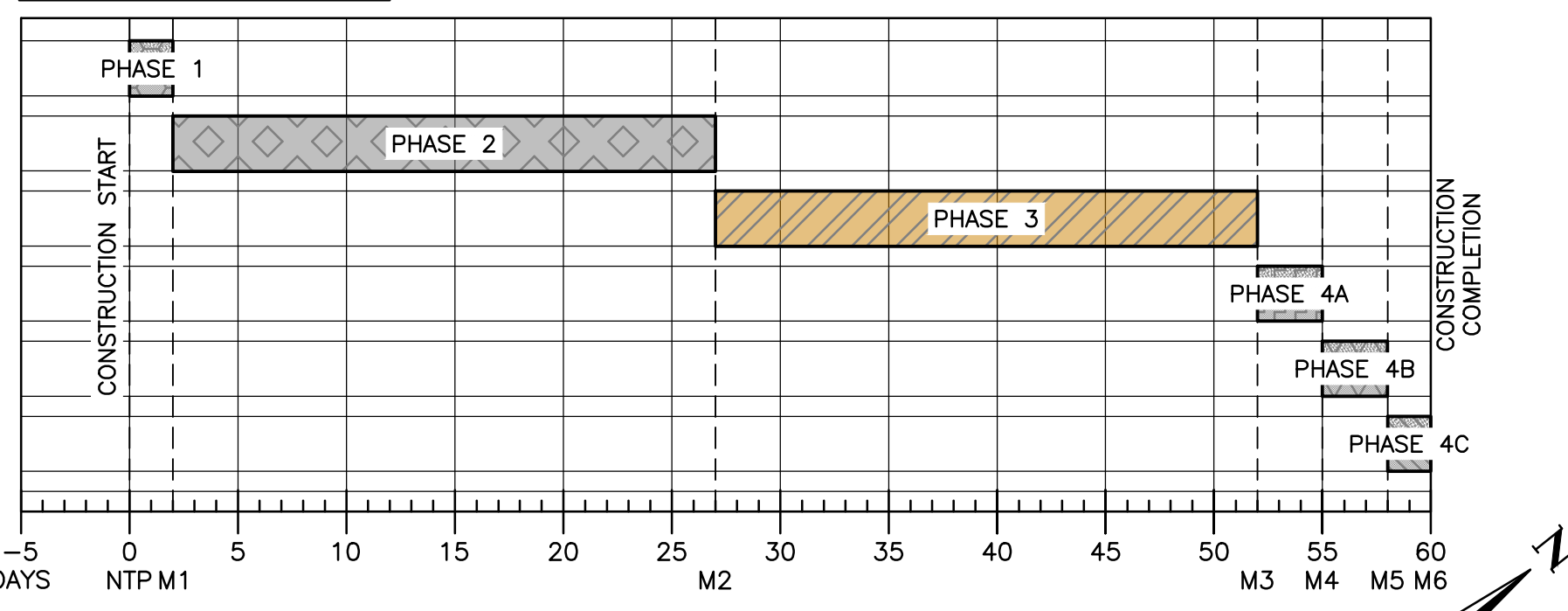
WORK ZONE LIGHTING FOR NIGHTTIME CONSTRUCTION:
 LIGHTING EQUIPMENT MUST ADEQUATELY ILLUMINATE THE WORK AREA. ALL SUPPORT EQUIPMENT, EXCEPT HAUL TRUCKS, SHALL BE EQUIPPED WITH ARTIFICIAL ILLUMINATION.

LEAD TIMES REQUIRED FOR NOTIFICATIONS:
 THE CONTRACTOR IS REQUIRED TO NOTIFY AIRPORT OPERATIONS A MINIMUM OF 72 HOURS IN ADVANCE TO PROVIDE REQUIRED NOTIFICATIONS.

LEGEND

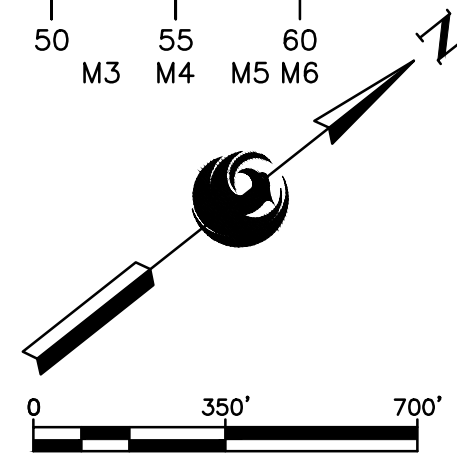
- CONTRACTOR HAUL ROUTE
- RPZ — RUNWAY PROTECTION ZONE
- RSA (R) — RESTRICTED RUNWAY SAFETY AREA
- TSA (R) — RESTRICTED TAXIWAY SAFETY AREA
- ROFZ (R) — RESTRICTED RUNWAY OBSTACLE FREE ZONE
- LOW LEVEL BARRICADES (40' SPACING)
- VERTICAL PANEL BARRICADES (40' SPACING)
- CONTRACTOR STAGING/EMPLOYEE PARKING AREA

PHASING SCHEDULE



LEGEND

- PHASE 1 — APPROXIMATELY 2 CALENDAR DAYS
- PHASE 2 — APPROXIMATELY 25 CALENDAR DAYS
- PHASE 3 — APPROXIMATELY 25 CALENDAR DAYS
- PHASE 4A — APPROXIMATELY 3 CALENDAR DAYS
- PHASE 4B — APPROXIMATELY 3 CALENDAR DAYS
- PHASE 4C — APPROXIMATELY 2 CALENDAR DAYS



PRIME CONSULTANT
TRACE CONSULTING
2071 E. Jefferson St. Suite 11 Phoenix, AZ 85024

SUB CONSULTANT

NO	REVISIONS / SUBMISSIONS	DATE

PER CITY OF PHOENIX CITY CODE CHAPTER 2, SECTION 2-28, THESE PLANS ARE FOR OFFICIAL USE ONLY AND MAY NOT BE SHARED WITH OTHERS EXCEPT AS REQUIRED TO FULFILL THE OBLIGATIONS OF CONTRACTOR'S CONTRACT WITH THE CITY OF PHOENIX.

ADOT GRANT NO.: E2S1G.01C & E3S21.01C

DESIGNED BY: G. SHAW
 DRAWN BY: A. SANTILLI
 CHECKED BY: C. JHAVERI
 DATE: 02/14/2023
 DWG. SCALE: 1"=350'

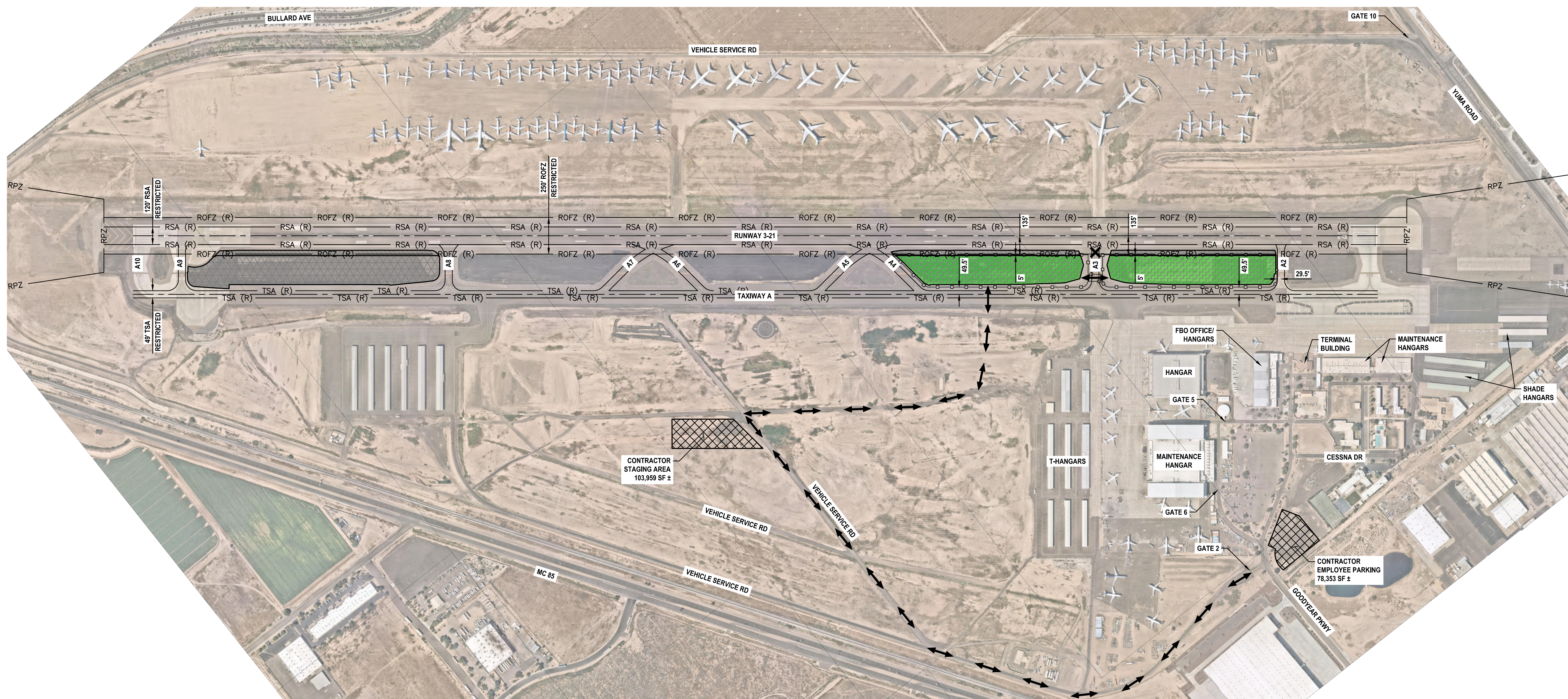
SHEET OVERVIEW TITLE
CONSTRUCTION PHASING PLAN PHASE 3

SHEET REFERENCE NUMBER:
GC-403

SHEET 10 OF 33

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NOTES:

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- THE CONTRACTOR SHALL COORDINATE THE LIMITS OF THE STAGING AND STORAGE AREA, THE LIMITS OF THE EMPLOYEE PARKING AND TEMPORARY FENCING WITH AIRPORT OPERATIONS PRIOR TO CONSTRUCTION.
- CONTRACTOR CAN ACCESS THE SITE USING GATE 2. CONTRACTOR SHALL COORDINATE WITH AND OBTAIN APPROVAL FROM AIRPORT OPERATIONS REGARDING USE OF ANY 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 PROTECTED PER CIVIL TECHNICAL SPECIFICATION ITEM M-003 PRIOR TO ANY HAULING ACTIVITIES.

PHASE 4A ELEMENTS:

PHASE 4A ACTIVITIES GENERALLY CONSIST OF INFIELD PAVING.

AREAS CLOSED TO AIRCRAFT OPERATIONS:
 RUNWAY 3-21 RESTRICTED TO RDC B-1 AIRCRAFT.
 ALL TAXIWAYS RESTRICTED TO ADG 1 (49-FT) AIRCRAFT.
 TAXIWAY A3 CLOSED.

DURATION OF CLOSURES:
 RUNWAY AND TAXIWAY RESTRICTIONS AND CLOSURES EXPECTED DAILY BETWEEN 0600 AND 1800 HOURS FOR THE ENTIRE PHASE DURATION OF APPROXIMATELY 3 CALENDAR DAYS.

TAXI ROUTES OF REDUCED TSA AND TOFA TO REFLECT REDUCED ADG USE:
 TAXI ROUTES ARE UNAFFECTED BUT FOR THE REDUCED TSA WIDTH TO 49' AND THE TOFA WIDTH TO 89'.

ARFF ACCESS ROUTES:
 THERE IS NO ARFF AT THE AIRPORT.

CONSTRUCTION STAGING, DISPOSAL, AND CLEANOUT AREAS:
 CONTRACTOR STAGING, DISPOSAL, AND CLEANOUT AREAS ARE IDENTIFIED ON THIS PLAN SHEET AND CONSIST OF THE APPROXIMATE AREA AS SHOWN.

IMPACTS TO NAVAIDS:
 THERE IS NO ANTICIPATED IMPACT TO NAVAIDS DURING THIS PHASE OF CONSTRUCTION.

LIGHTING, MARKING, AND SIGNING CHANGES:
 RUNWAY EXIT SIGNS FOR TAXIWAY A3 SHALL BE COVERED. TAXIWAY DIRECTION AND LOCATION SIGNS FOR TAXIWAY A3 SHALL BE COVERED. TEMPORARY JUMPERS WILL BE INSTALLED AND CIRCUIT ISOLATION WILL BE DONE TO MAINTAIN CIRCUIT OPERATION IN THE AN3 INFIELD.

AVAILABLE RUNWAY LENGTH AND/OR REDUCED RSA AND ROFA TO REFLECT REDUCED ADG USE:
 THE FULL LENGTH OF RUNWAY 3-21 IS AVAILABLE. THE RSA FOR RUNWAY 3-21 IS REDUCED TO 120'. THE ROFA FOR RUNWAY 3-21 IS REDUCED TO 400'.

REQUIRED HAZARD MARKING, LIGHTING, AND SIGNING:
 THE TAXIWAY A3 INTERSECTION SHALL BE CLOSED USING LOW PROFILE BARRICADES WITH RED (STEADY OR FLASHING) LIGHTS MOUNTED ON THE BARRICADE SPACED NO MORE THAN 10-FEET. THE RUNWAY EXIT AT TAXIWAY A3 SHALL BE CLOSED USING A TEMPORARY YELLOW 'X'.

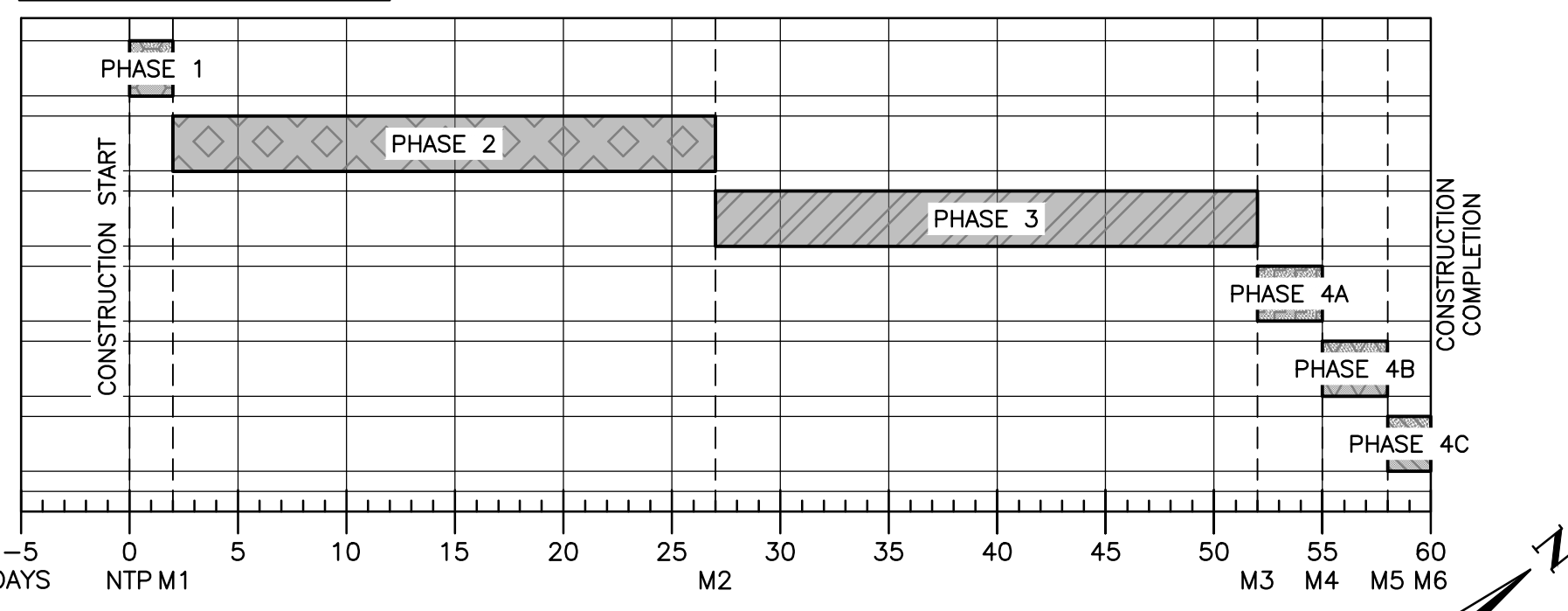
WORK ZONE LIGHTING FOR NIGHTTIME CONSTRUCTION:
 NOT APPLICABLE DURING THIS PHASE.

LEAD TIMES REQUIRED FOR NOTIFICATIONS:
 THE CONTRACTOR IS REQUIRED TO NOTIFY AIRPORT OPERATIONS A MINIMUM OF 72 HOURS IN ADVANCE TO PROVIDE REQUIRED NOTIFICATIONS.

LEGEND

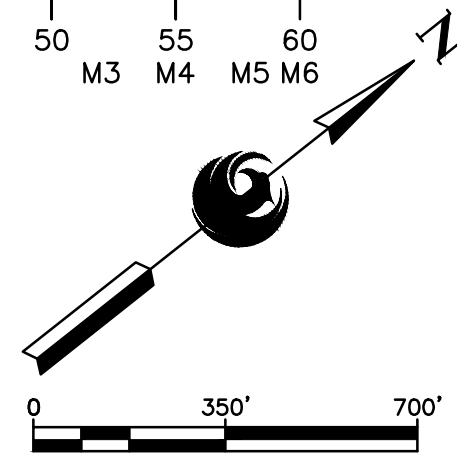
- CONTRACTOR HAUL ROUTE
- TAXIWAY CLOSURE MARKER
- RPZ - RUNWAY PROTECTION ZONE
- RSA (R) - RESTRICTED RUNWAY SAFETY AREA
- TSA (R) - RESTRICTED TAXIWAY SAFETY AREA
- ROFZ (R) - RESTRICTED RUNWAY OBSTACLE FREE ZONE
- LOW LEVEL BARRICADES (40' SPACING)
- VERTICAL PANEL BARRICADES (40' SPACING)
- CONTRACTOR STAGING/EMPLOYEE PARKING AREA

PHASING SCHEDULE



LEGEND

- PHASE 1 - APPROXIMATELY 2 CALENDAR DAYS
- PHASE 2 - APPROXIMATELY 25 CALENDAR DAYS
- PHASE 3 - APPROXIMATELY 25 CALENDAR DAYS
- PHASE 4A - APPROXIMATELY 3 CALENDAR DAYS
- PHASE 4B - APPROXIMATELY 3 CALENDAR DAYS
- PHASE 4C - APPROXIMATELY 2 CALENDAR DAYS



TRACER CONSULTING
 1071 E. Jefferson St. Suite 11 Phoenix, AZ 85004

PRIME CONSULTANT
 SUB CONSULTANT

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NO	REVISIONS / SUBMISSIONS	DATE

PHX BYR
 CITY OF PHOENIX AVIATION DEPARTMENT

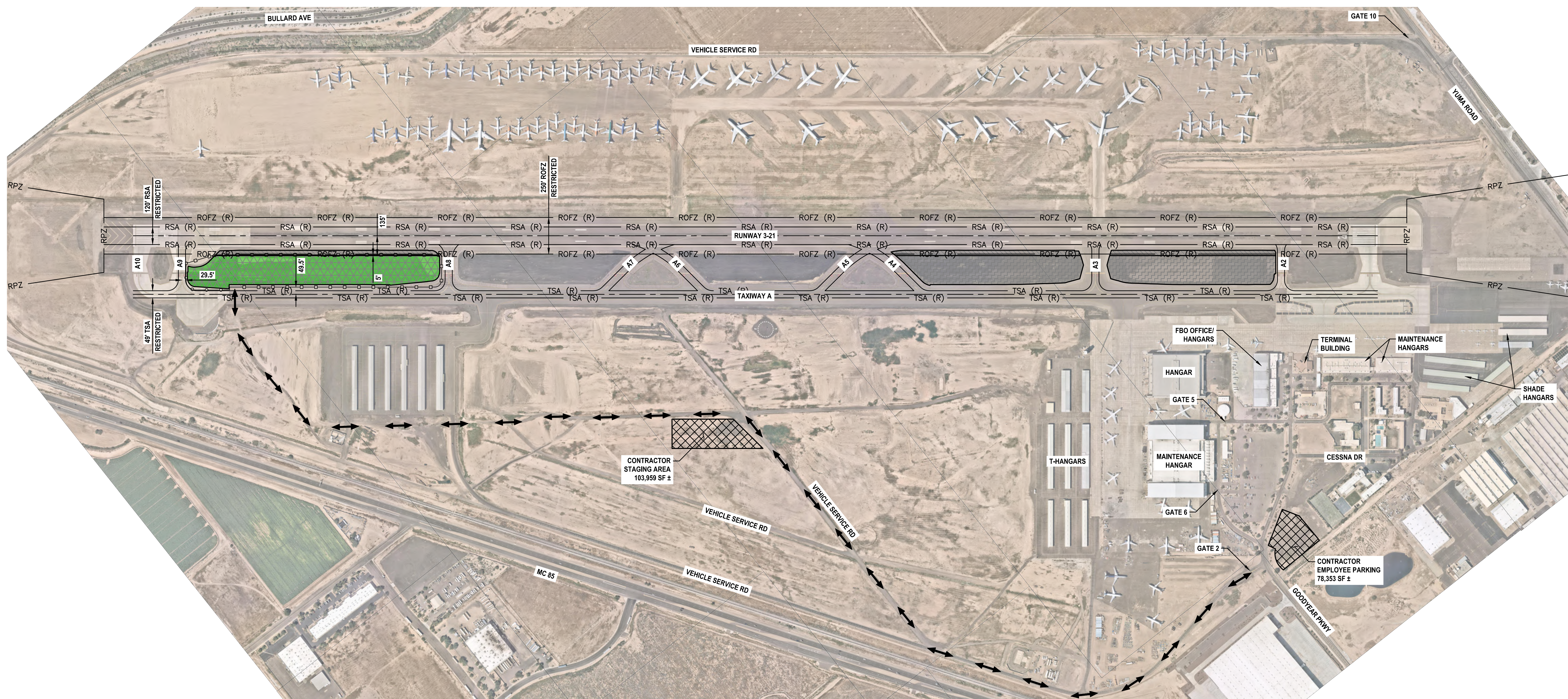
GOODYEAR AIRPORT INFIELD PAVING PHASE 1
 AV 41000079 FAA/ADOT
 ADOT GRANT NO.: E2S1G.01C & E3S21.01C

Designed by: G. SHAW
 Drawn by: A. SANTILLI
 Checked by: C. JHAVERI
 Date: 02/14/2023
 Dwg scale: 1"=350'

SHEET OVERVIEW TITLE

CONSTRUCTION PHASING PLAN PHASE 4A

SHEET REFERENCE NUMBER:
GC-404
 SHEET 11 OF 33



NOTES:

1. AREAS SHOWN ARE INTENDED TO BE AN APPROXIMATE GEOGRAPHICAL REPRESENTATION.
2. THE CONTRACTOR SHALL COORDINATE THE LIMITS OF THE STAGING AND STORAGE AREA, THE LIMITS OF THE EMPLOYEE PARKING AND TEMPORARY FENCING WITH AIRPORT OPERATIONS PRIOR TO CONSTRUCTION.
3. CONTRACTOR CAN ACCESS THE SITE USING GATE 2. CONTRACTOR SHALL COORDINATE WITH AND OBTAIN APPROVAL FROM AIRPORT OPERATIONS REGARDING USE OF ANY GATE. AIRPORT OPERATIONS MAY ALLOW ACCESS FROM OTHER GATES, BASED ON AVAILABILITY OF SECURITY STAFF.
4. CONTRACTOR TO ENSURE THAT NO CONSTRUCTION TRAFFIC ENTERING SITE BACKS UP ON OR BLOCKS ANY PUBLIC STREET.
5. ANY EXISTING PAVEMENT AREA ALONG ANY HAUL ROUTE SHALL BE ADEQUATELY PROTECTED PER CIVIL TECHNICAL SPECIFICATION ITEM M-003 PRIOR TO ANY HAULING ACTIVITIES.

PHASE 4B ELEMENTS:

PHASE 4B ACTIVITIES GENERALLY CONSIST OF INFIELD PAVING.

AREAS CLOSED TO AIRCRAFT OPERATIONS:
 RUNWAY 3-21 RESTRICTED TO RDC B-I AIRCRAFT.
 ALL TAXIWAYS RESTRICTED TO ADG I (49'-FT) AIRCRAFT.

DURATION OF CLOSURES:
 RUNWAY AND TAXIWAY RESTRICTIONS AND CLOSURES EXPECTED DAILY BETWEEN 0600 AND 1800 HOURS FOR THE ENTIRE PHASE DURATION OF APPROXIMATELY 3 CALENDAR DAYS.

TAXI ROUTES OF REDUCED TSA AND TOFA TO REFLECT REDUCED ADG USE:
 TAXI ROUTES ARE UNAFFECTED BUT FOR THE REDUCED TSA WIDTH TO 49' AND THE TOFA WIDTH TO 89'.

ARFF ACCESS ROUTES:
 THERE IS NO ARFF AT THE AIRPORT.

CONSTRUCTION STAGING, DISPOSAL, AND CLEANOUT AREAS:
 CONTRACTOR STAGING, DISPOSAL, AND CLEANOUT AREAS ARE IDENTIFIED ON THIS PLAN SHEET AND CONSIST OF THE APPROXIMATE AREA AS SHOWN.

IMPACTS TO NAVIGATIONS:
 THERE IS NO ANTICIPATED IMPACT TO NAVIGATIONS DURING THIS PHASE OF CONSTRUCTION.

LIGHTING, MARKING, AND SIGNING CHANGES:
 NO LIGHTING, MARKING, AND SIGNING CHANGES ARE ANTICIPATED FOR THIS PHASE.

AVAILABLE RUNWAY LENGTH AND/OR REDUCED RSA AND ROFA TO REFLECT REDUCED ADG USE:
 THE FULL LENGTH OF RUNWAY 3-21 IS AVAILABLE. THE RSA FOR RUNWAY 3-21 IS REDUCED TO 120'. THE ROFA FOR RUNWAY 3-21 IS REDUCED TO 400'.

REQUIRED HAZARD MARKING, LIGHTING, AND SIGNING:
 LOW PROFILE BARRICADES WITH RED (STEADY OR FLASHING) LIGHTS MOUNTED ON THE BARRICADE SHALL BE SPACED NO MORE THAN 10- FEET.

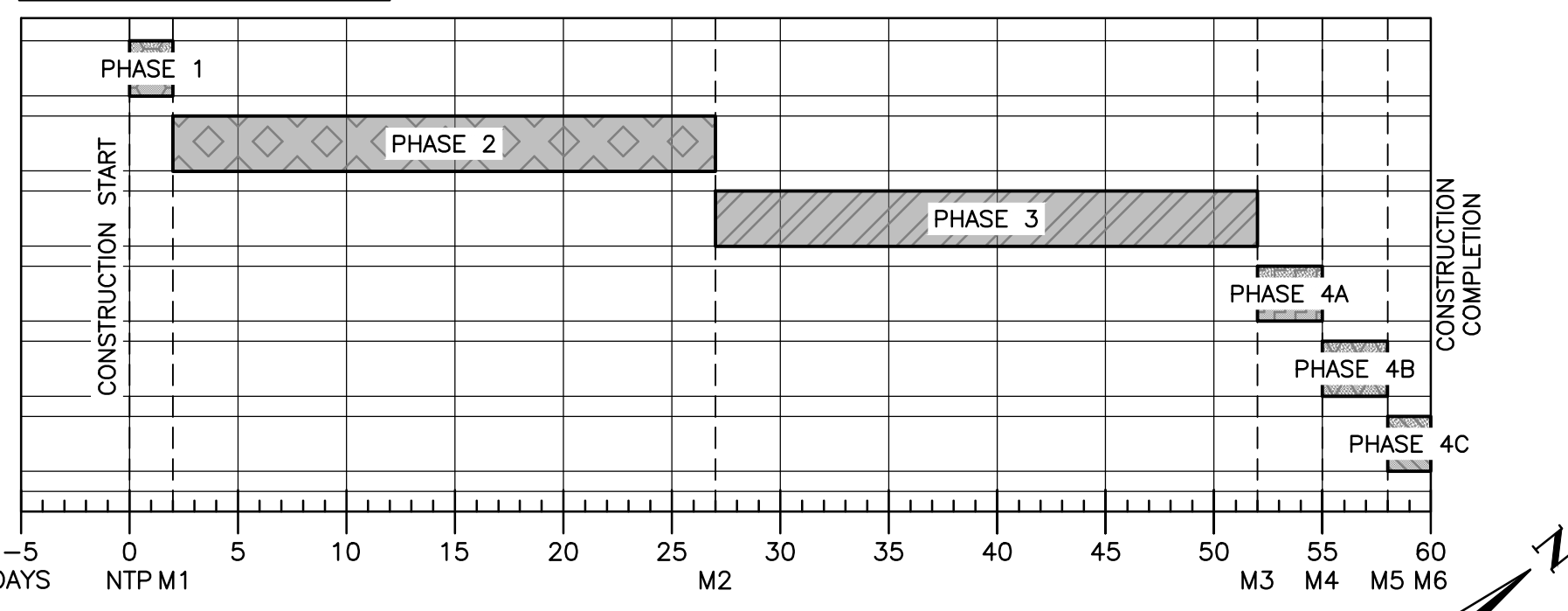
WORK ZONE LIGHTING FOR NIGHTTIME CONSTRUCTION:
 NOT APPLICABLE DURING THIS PHASE.

LEAD TIMES REQUIRED FOR NOTIFICATIONS:
 THE CONTRACTOR IS REQUIRED TO NOTIFY AIRPORT OPERATIONS A MINIMUM OF 72 HOURS IN ADVANCE TO PROVIDE REQUIRED NOTIFICATIONS.

LEGEND

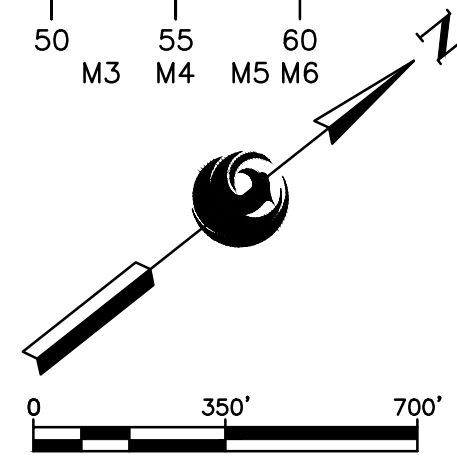
- CONTRACTOR HAUL ROUTE
- RPZ — RUNWAY PROTECTION ZONE
- RSA (R) — RESTRICTED RUNWAY SAFETY AREA
- TSA (R) — RESTRICTED TAXIWAY SAFETY AREA
- ROFZ (R) — RESTRICTED RUNWAY OBSTACLE FREE ZONE
- LOW LEVEL BARRICADES (40' SPACING)
- VERTICAL PANEL BARRICADES (40' SPACING)
- CONTRACTOR STAGING/EMPLOYEE PARKING AREA

PHASING SCHEDULE



LEGEND

- PHASE 1 — APPROXIMATELY 2 CALENDAR DAYS
- PHASE 2 — APPROXIMATELY 25 CALENDAR DAYS
- PHASE 3 — APPROXIMATELY 25 CALENDAR DAYS
- PHASE 4A — APPROXIMATELY 3 CALENDAR DAYS
- PHASE 4B — APPROXIMATELY 3 CALENDAR DAYS
- PHASE 4C — APPROXIMATELY 2 CALENDAR DAYS



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NO	REVISIONS / SUBMISSIONS	DATE

PHX BYR
 CITY OF PHOENIX AVIATION DEPARTMENT

**GOODYEAR AIRPORT
 INFIELD PAVING
 PHASE I**

AV 41000079 FAA/ADOT
 ADOT GRANT NO.: E2S1G.01C & E3S21.01C

Designed by: G. SHAW
 Drawn by: A. SANTILLI
 Checked by: C. JHAVERI
 Date: 02/14/2023
 Dwg scale: 1"=350'

SHEET OVERVIEW TITLE

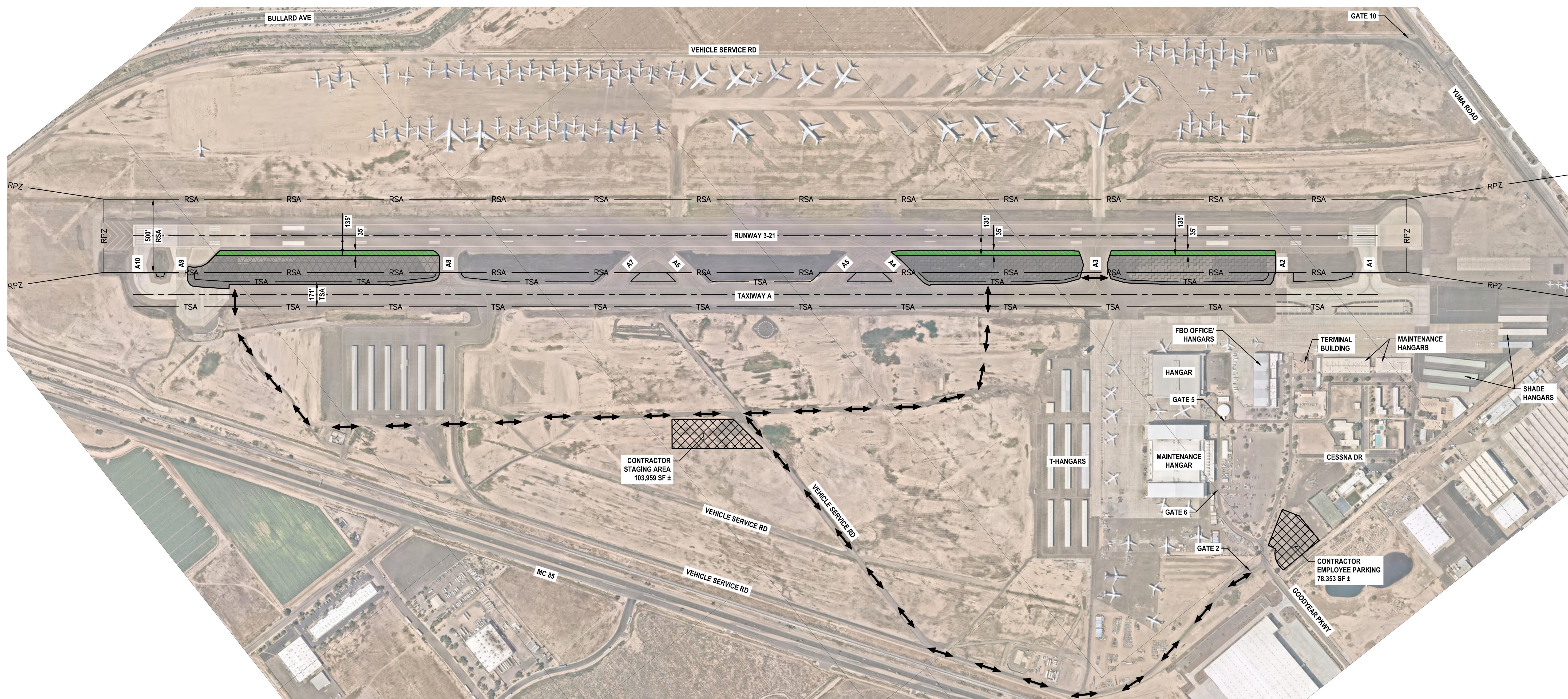
**CONSTRUCTION PHASING PLAN
 PHASE 4B**

SHEET REFERENCE NUMBER:
GC-405

SHEET 12 OF 33

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NOTES:

1. AREAS SHOWN ARE INTENDED TO BE AN APPROXIMATE GEOGRAPHICAL REPRESENTATION.
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3. CONTRACTOR CAN ACCESS THE SITE USING GATE 2. CONTRACTOR SHALL COORDINATE WITH AND OBTAIN APPROVAL FROM AIRPORT OPERATIONS REGARDING USE OF ANY GATE. AIRPORT OPERATIONS MAY ALLOW ACCESS FROM OTHER GATES, BASED ON AVAILABILITY OF SECURITY STAFF.
4. CONTRACTOR TO ENSURE THAT NO CONSTRUCTION TRAFFIC ENTERING SITE BACKS UP ON OR BLOCKS ANY PUBLIC STREET.
5. ANY EXISTING PAVEMENT AREA ALONG ANY HAUL ROUTE SHALL BE ADEQUATELY PROTECTED PER CIVIL TECHNICAL SPECIFICATION ITEM M-003 PRIOR TO ANY HAULING ACTIVITIES.

PHASE 4C ELEMENTS:

PHASE 4C ACTIVITIES GENERALLY CONSIST OF INFIELD PAVING.

AREAS CLOSED TO AIRCRAFT OPERATIONS:

RUNWAY 3-21 CLOSED.
DURATION OF CLOSURES:
 RUNWAY AND TAXIWAY RESTRICTIONS AND CLOSURES EXPECTED FOR THE ENTIRE PHASE DURATION OF APPROXIMATELY 2 CALENDAR DAYS.

TAXI ROUTES OF REDUCED TSA AND TOFA TO REFLECT REDUCED ADG USE:
 AIRCRAFT SHOULD NOT BE OPERATING WITHIN THE MOVEMENT AREA. CONTRACTOR SHALL COORDINATE WITH GYR OPERATIONS STAFF FOR ANY AIRCRAFT TAXIING MOVEMENTS.

ARFF ACCESS ROUTES:

THERE IS NO ARFF AT THE AIRPORT.

CONSTRUCTION STAGING, DISPOSAL, AND CLEANOUT AREAS:
 CONTRACTOR STAGING, DISPOSAL, AND CLEANOUT AREAS ARE IDENTIFIED ON THIS PLAN SHEET AND CONSIST OF THE APPROXIMATE AREA AS SHOWN.

IMPACTS TO NAVAIDS:
 THERE IS NO ANTICIPATED IMPACT TO NAVAIDS DURING THIS PHASE OF CONSTRUCTION.

LIGHTING, MARKING, AND SIGNING CHANGES:
 NO LIGHTING, MARKING, AND SIGNING CHANGES ARE ANTICIPATED FOR THIS PHASE.

AVAILABLE RUNWAY LENGTH AND/OR REDUCED RSA AND ROFA TO REFLECT REDUCED ADG USE:
 RUNWAY 3-21 CLOSED.

REQUIRED HAZARD MARKING, LIGHTING, AND SIGNING:
 THERE ARE NO HAZARD MARKING, LIGHTING OR SIGNING REQUIREMENTS FOR THIS PHASE.

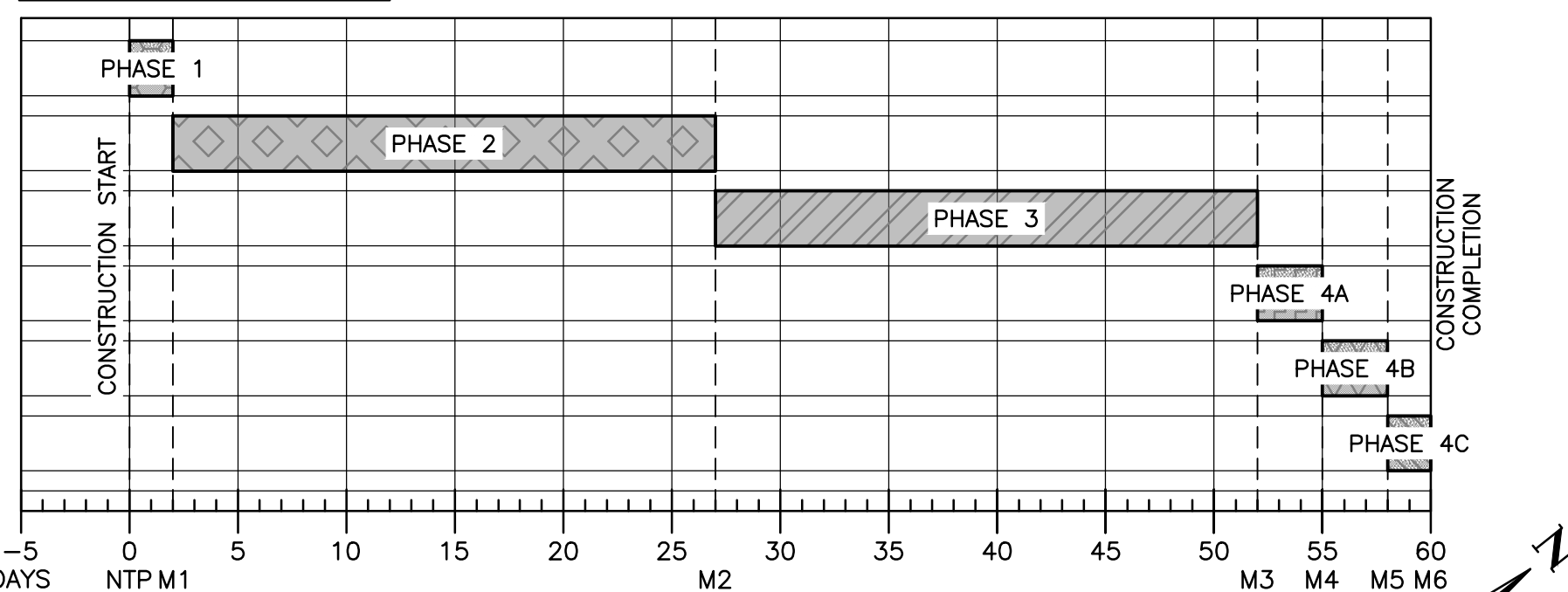
WORK ZONE LIGHTING FOR NIGHTTIME CONSTRUCTION:
 NOT APPLICABLE DURING THIS PHASE.

LEAD TIMES REQUIRED FOR NOTIFICATIONS:
 THE CONTRACTOR IS REQUIRED TO NOTIFY AIRPORT OPERATIONS A MINIMUM OF 72 HOURS IN ADVANCE TO PROVIDE REQUIRED NOTIFICATIONS.

LEGEND

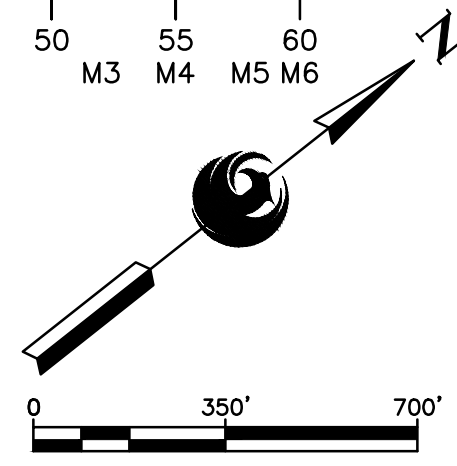
- CONTRACTOR HAUL ROUTE
- RPZ — RUNWAY PROTECTION ZONE
- RSA — RUNWAY SAFETY AREA
- TSA — TAXIWAY SAFETY AREA
- CONTRACTOR STAGING/EMPLOYEE PARKING AREA

PHASING SCHEDULE



LEGEND

- PHASE 1 — APPROXIMATELY 2 CALENDAR DAYS
- PHASE 2 — APPROXIMATELY 25 CALENDAR DAYS
- PHASE 3 — APPROXIMATELY 25 CALENDAR DAYS
- PHASE 4A — APPROXIMATELY 3 CALENDAR DAYS
- PHASE 4B — APPROXIMATELY 3 CALENDAR DAYS
- PHASE 4C — APPROXIMATELY 2 CALENDAR DAYS



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 2071 E. Jefferson St., Suite 11 Phoenix, AZ 85026

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NO	REVISIONS / SUBMISSIONS	DATE

PHX BYR
 CITY OF PHOENIX AVIATION DEPARTMENT
GOODYEAR AIRPORT
INFIELD PAVING
PHASE 1
 AV 41000079 FAA/ADOT
 ADOT GRANT NO.: E2S1G.01C & E5S21.01C

Designed by: G. SHAW
 Drawn by: A. SANTILLI
 Checked by: C. JHAVERI
 Date: 02/14/2023
 Dwg. scale: 1"=350'

SHEET OVERVIEW TITLE
CONSTRUCTION PHASING PLAN
PHASE 4C

SHEET REFERENCE NUMBER:
GC-406
 SHEET 13 OF 33



NOTE: BARRICADES AND THEIR PLACEMENT SHALL MEET THE REQUIREMENTS OF FAA AC 150/5370-2G OPERATIONAL SAFETY ON AIRPORTS DURING CONSTRUCTION.

A **LOW PROFILE BARRICADE - TYPE 1 (TWO FLASHING RED LIGHTS)**
GC-501 N.T.S.



NOTE: BARRICADES AND THEIR PLACEMENT SHALL MEET THE REQUIREMENTS OF FAA AC 150/5370-2G OPERATIONAL SAFETY ON AIRPORTS DURING CONSTRUCTION.

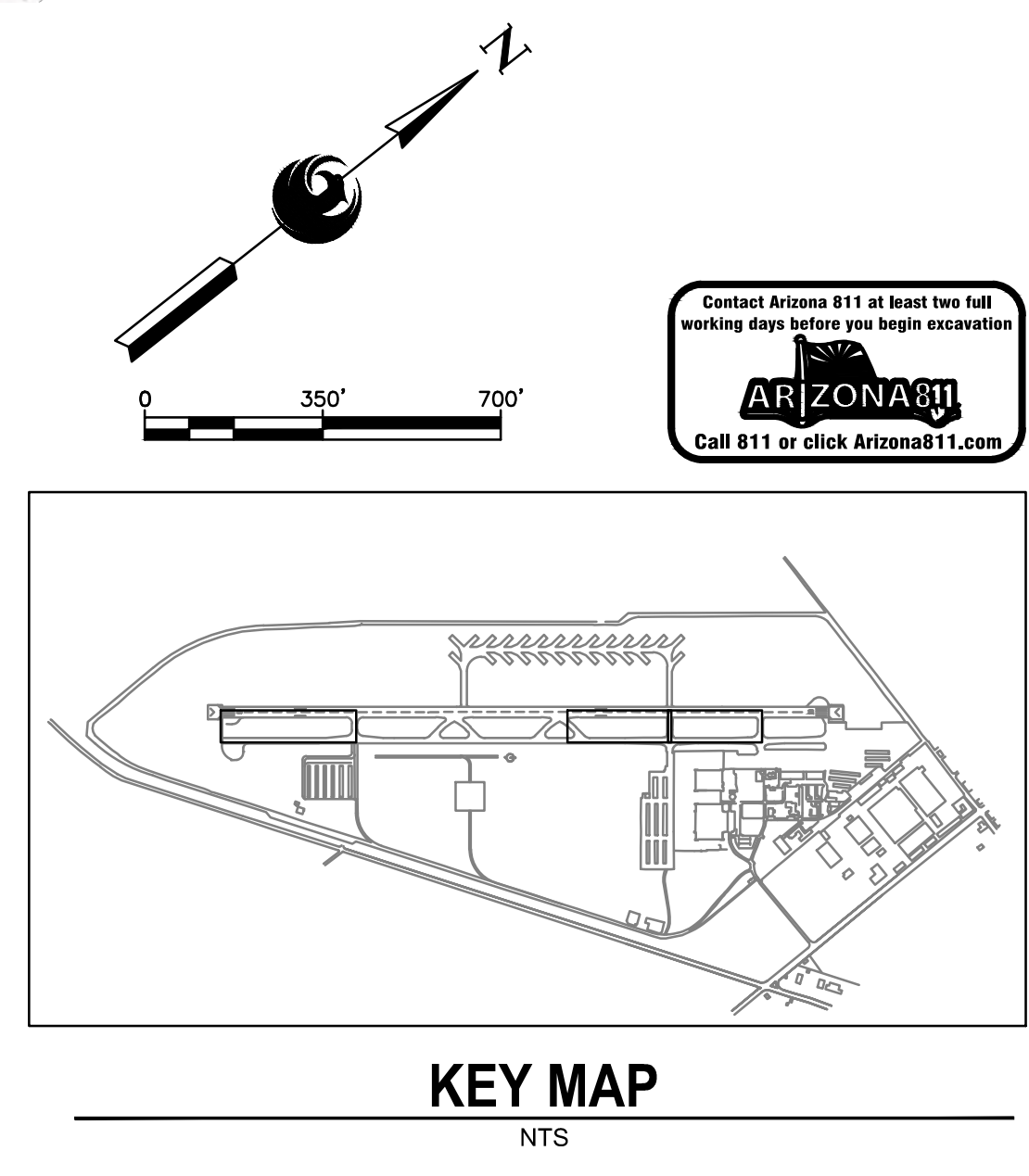
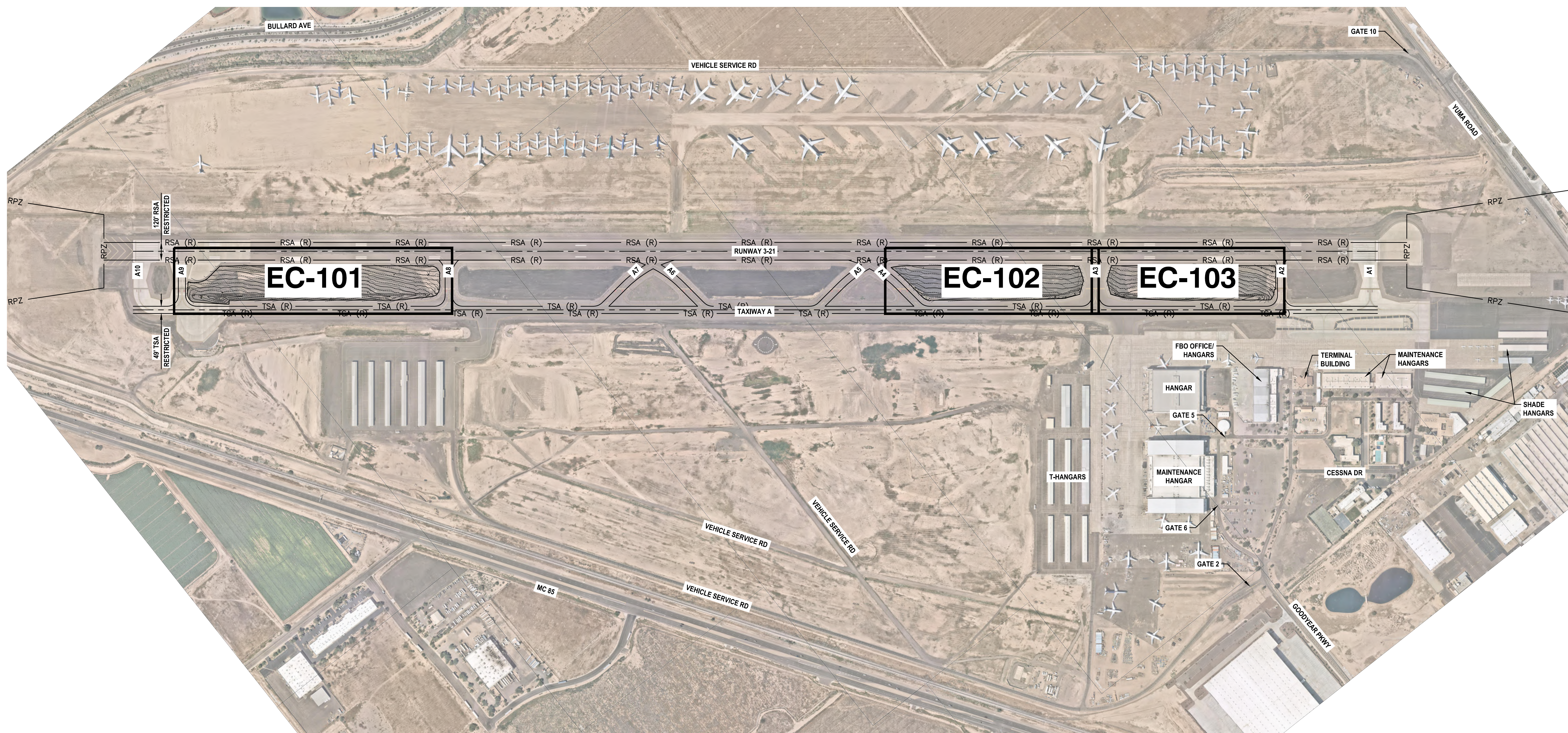
B **VERTICAL PANEL BARRICADE (FLASHING RED LIGHT)**
GC-501 N.T.S.



SHEET OVERVIEW TITLE CONSTRUCTION PHASING DETAILS	SHEET REFERENCE NUMBER: GC-501	SHEET 14 OF 33	DESIGNED BY: G. SHAW DRAWN BY: A. SANTILLI CHECKED BY: C. JHAVERI DATE: 02/14/2023 DWG. SCALE: AS SHOWN	PHX BYR CITY OF PHOENIX AVIATION DEPARTMENT GOODYEAR AIRPORT INFIELD PAVING PHASE I AV 41000079 FAA/ADOT ADOT GRANT NO.: E2S1G.01C & E3S21.01C	PRIME CONSULTANT TRACE CONSULTING 1201 E. JEFFERSON ST. SUITE 311 PHOENIX, AZ 85024 	SUB CONSULTANT REVISIONS / SUBMISSIONS <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>NO</th> <th>REVISIONS / SUBMISSIONS</th> <th>DATE</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>	NO	REVISIONS / SUBMISSIONS	DATE																														
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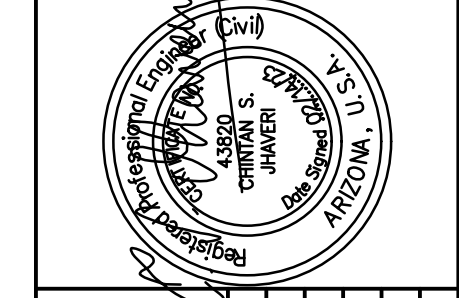


<p>PRIME CONSULTANT TRACÉ CONSULTING 2071 E. Williams St. Suite 11 Phoenix, AZ 85024</p>	<p>SUB CONSULTANT [Signature]</p>	<p>PER CITY OF PHOENIX CITY CODE CHAPTER 2, SECTION 2-2-28, THESE PLANS ARE FOR OFFICIAL USE ONLY AND MAY NOT BE SHARED WITH OTHERS EXCEPT AS REQUIRED TO FULFILL THE OBLIGATIONS OF CONTRACTOR'S CONTRACT WITH THE CITY OF PHOENIX.</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>NO</th> <th>REVISIONS / SUBMISSIONS</th> <th>DATE</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>	NO	REVISIONS / SUBMISSIONS	DATE												
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<p>PHX BYR CITY OF PHOENIX AVIATION DEPARTMENT GOODYEAR AIRPORT INFIELD PAVING PHASE I AV 41000079 FAA/ADOT ADOT GRANT NO.: E2S1G.01C & E5S21.01C</p>		<p>Designed by: G. SHAW Drawn by: A. SANTILLI Checked by: C. JHAVERI Date: 02/14/2023 Dwg. scale: 1"=350'</p>																
<p>SHEET OVERVIEW TITLE</p> <p style="text-align: center;">OVERALL STORMWATER POLLUTION PREVENTION PLAN</p>		<p>SHEET REFERENCE NUMBER: EC-100</p> <p style="text-align: right;">SHEET 15 OF 33</p>																

SWPPP NOTES

ITEM	DESCRIPTION
1	FURNISH AND INSTALL INLET PROTECTION PER DETAIL A, SHEET EC-501

TRACE CONSULTING
 2071 E. Jefferson St., Suite 311 Phoenix, AZ 85024
 PRIME CONSULTANT
 SUB CONSULTANT



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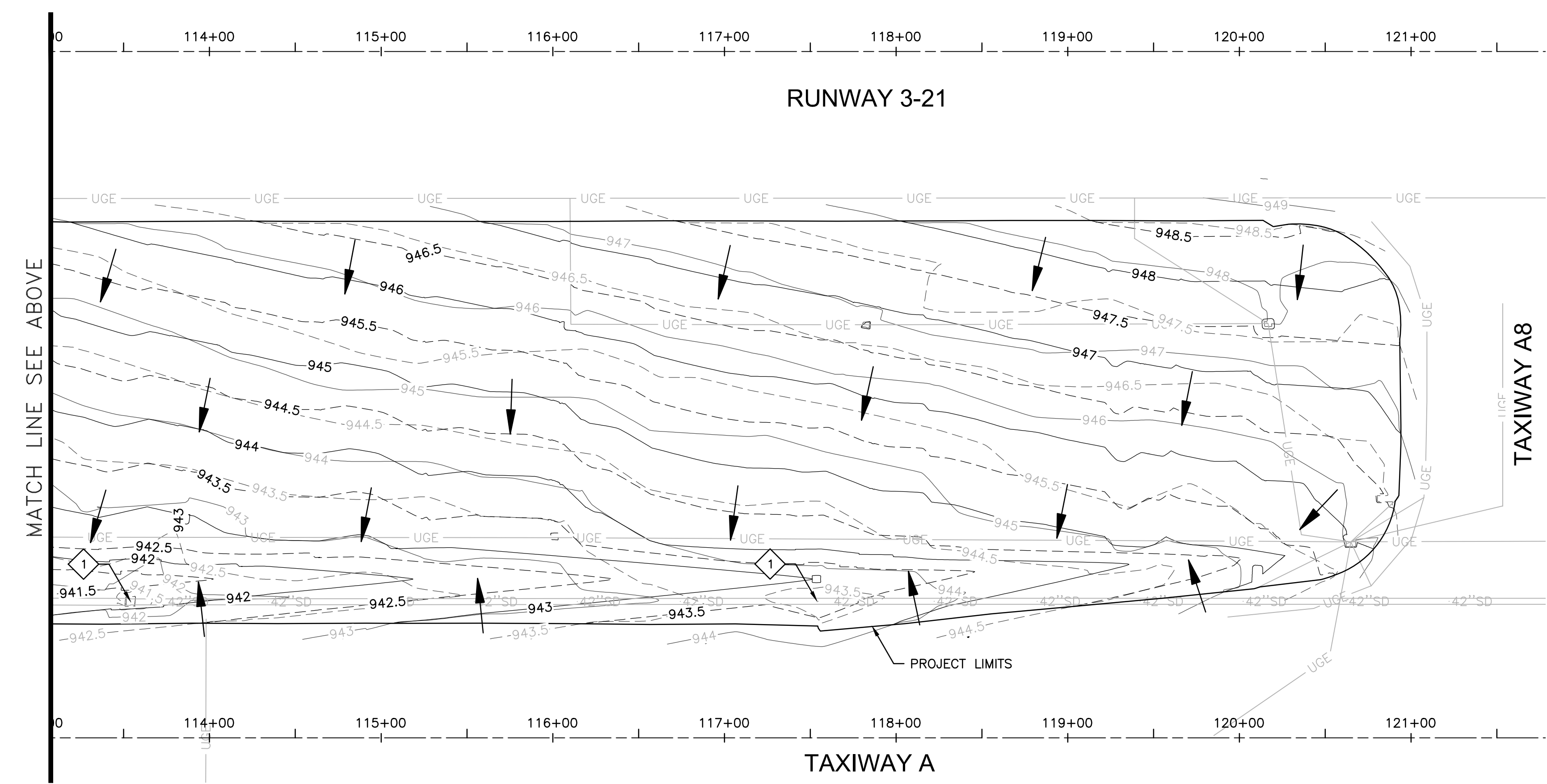
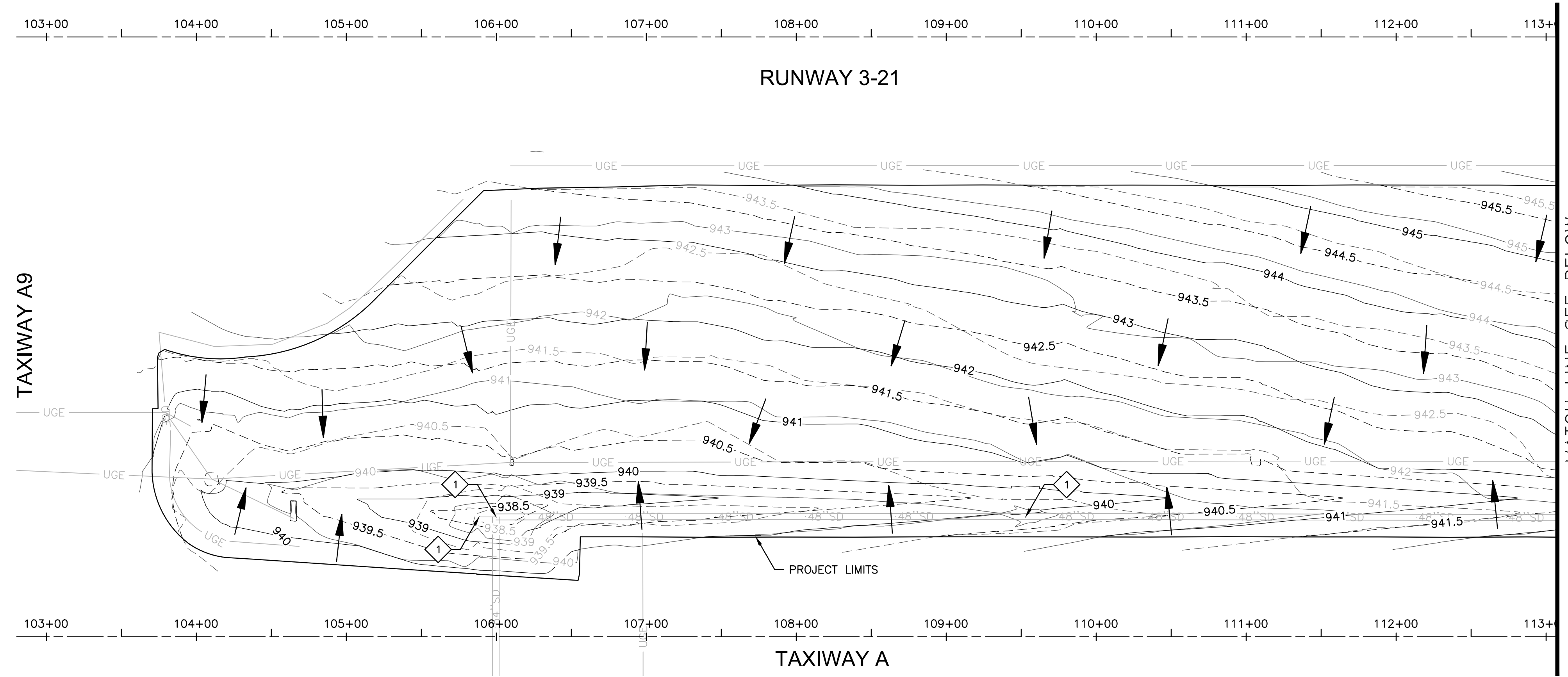
NO	REVISIONS / SUBMISSIONS	DATE

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 CITY OF PHOENIX AVIATION DEPARTMENT
GOODYEAR AIRPORT INFIELD PAVING PHASE I
 AV 41000079 FAA/ADOT
 ADOT GRANT NO.: E2S1G 01C & E3S21 01C

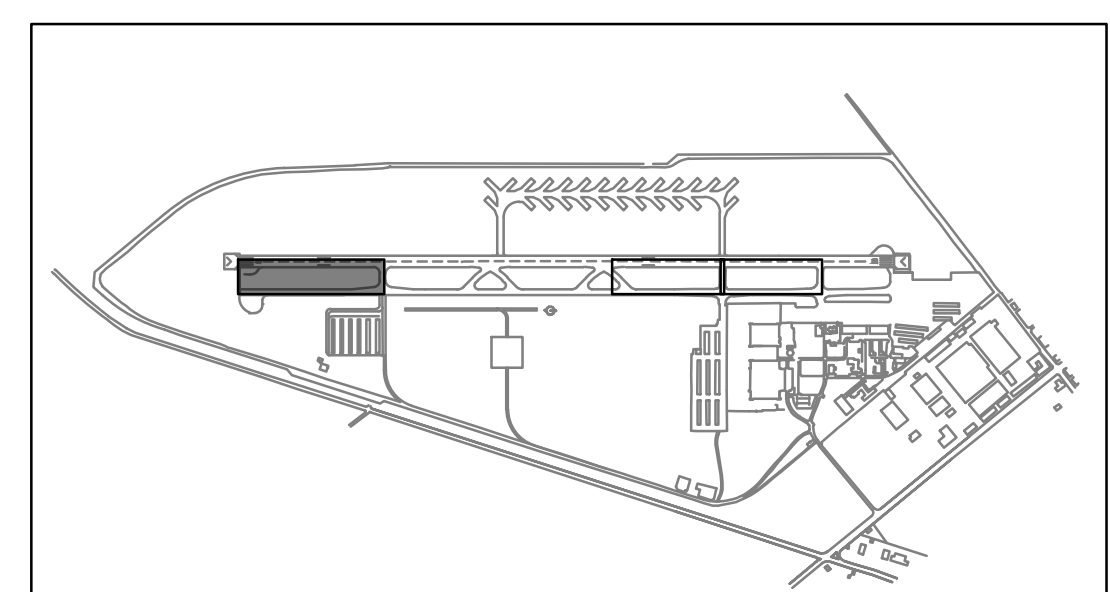
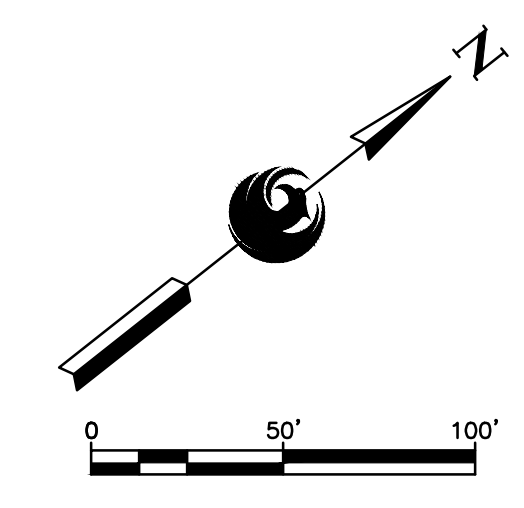
Designed by: G. SHAW
 Drawn by: A. SANTILLI
 Checked by: C. JHAVERI
 Date: 02/14/2023
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SHEET OVERVIEW TITLE
STORMWATER POLLUTION PREVENTION PLAN

SHEET REFERENCE NUMBER:
EC-101
 SHEET 16 OF 33

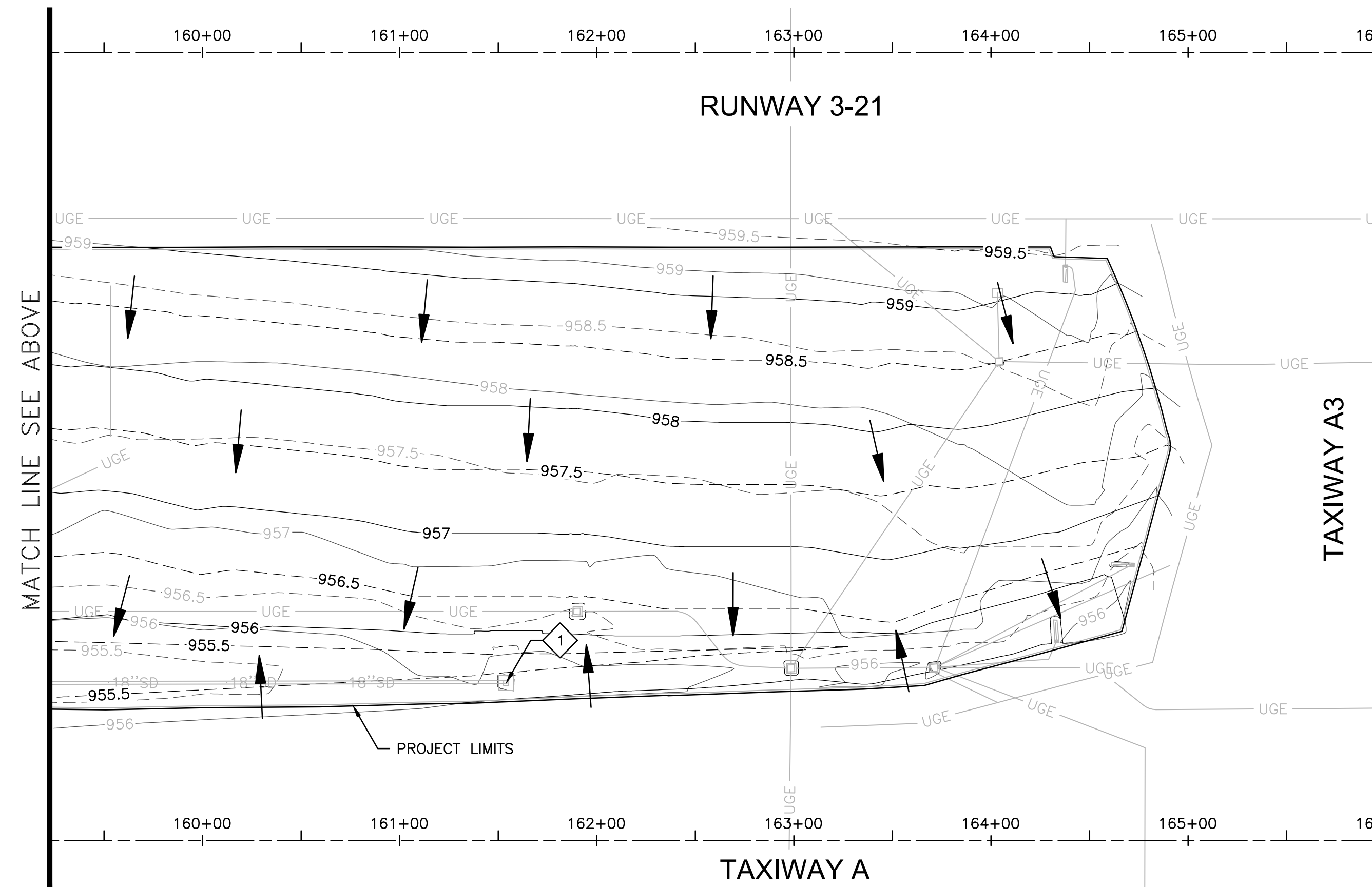
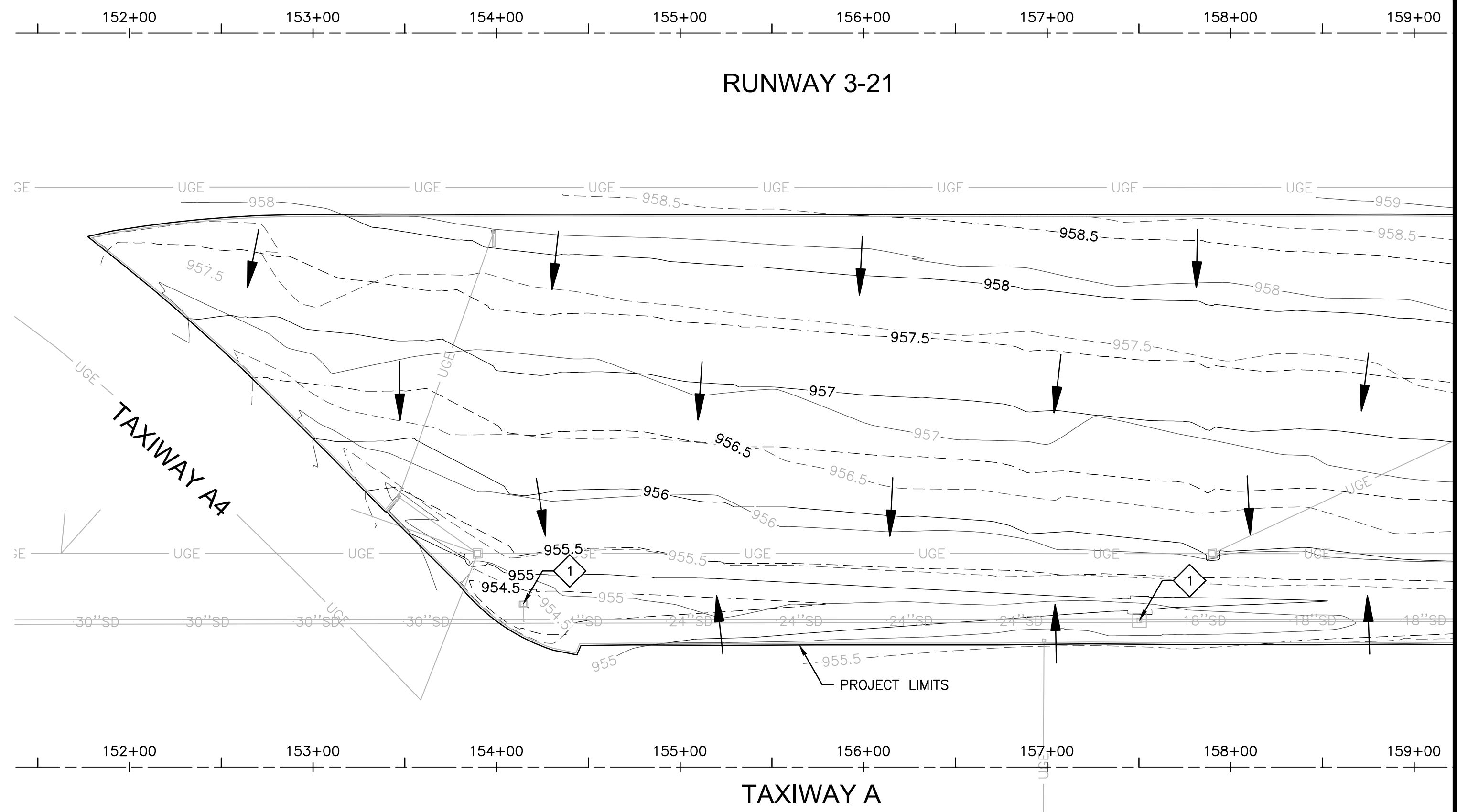


- GENERAL NOTES**
1. RUNWAY AND TAXIWAY STATIONING SHOWN FOR REFERENCE ONLY.
 2. EXISTING INFIELD UTILITIES AND STRUCTURES SHALL BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED.



KEY MAP
 NTS

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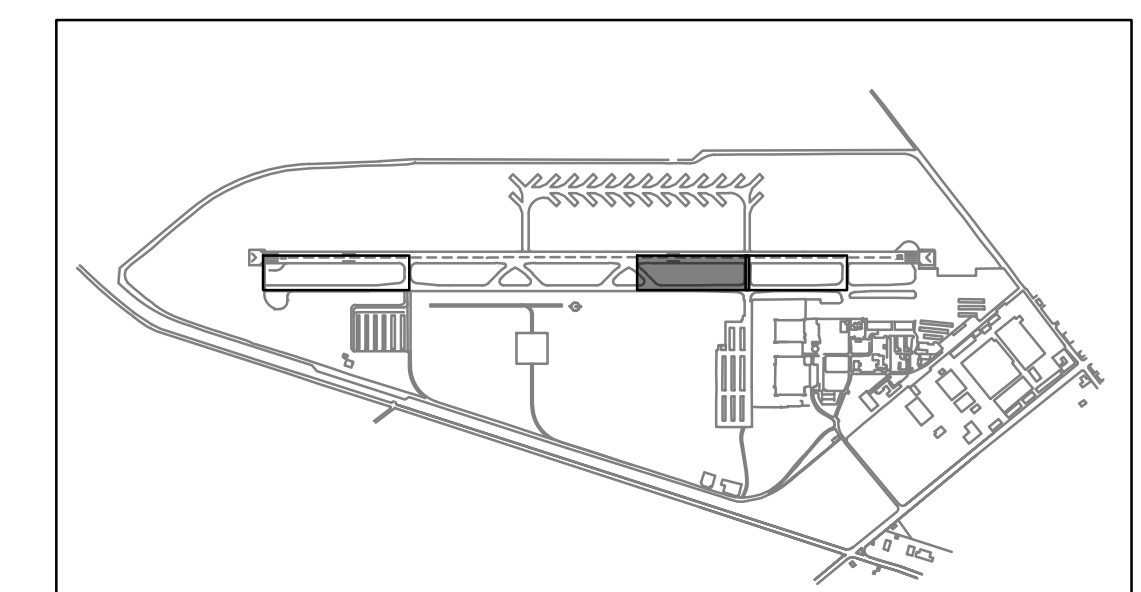
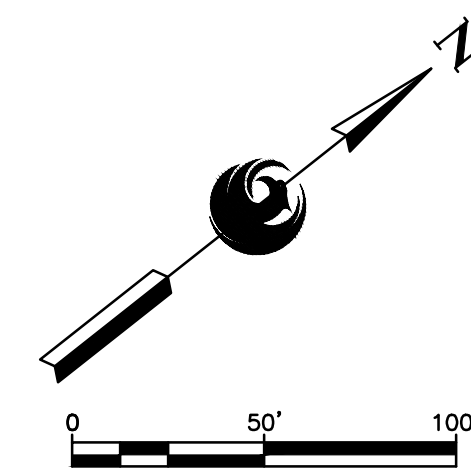


SWPPP NOTES

ITEM	DESCRIPTION
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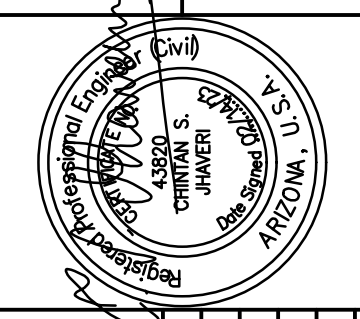
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KEY MAP
NTS

TRACE CONSULTING
2071 E. Jefferson St. Suite 31 Phoenix, AZ 85026



PRIME CONSULTANT: TRACE CONSULTING
SUB CONSULTANT: [Signature]

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NO	REVISIONS / SUBMISSIONS	DATE

PHX BYR
CITY OF PHOENIX AVIATION DEPARTMENT
GOODYEAR AIRPORT INFIELD PAVING PHASE I
AV 41000079 FAA/ADOT
ADOT GRANT NO.: E2S1G 01C & E3S21 01C

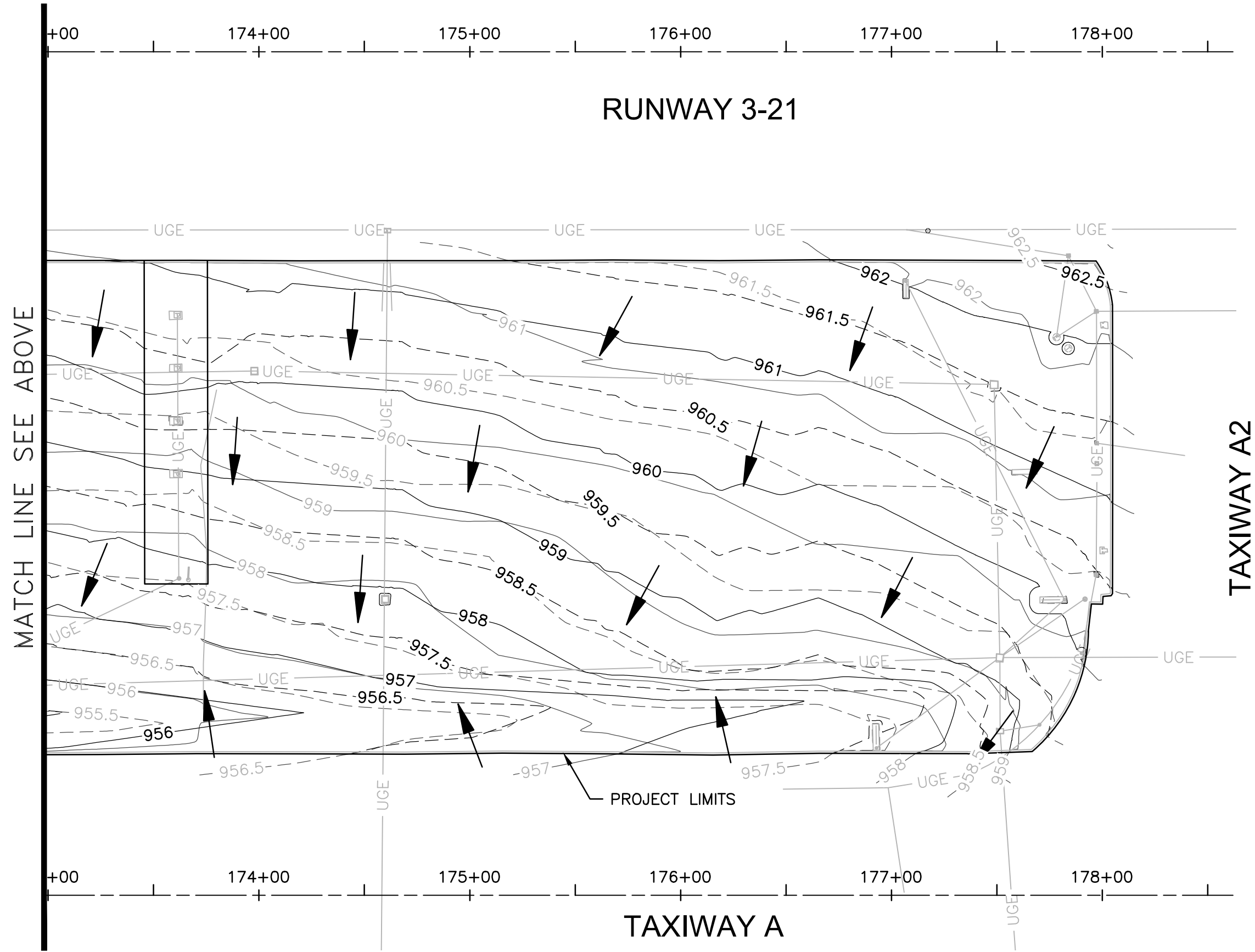
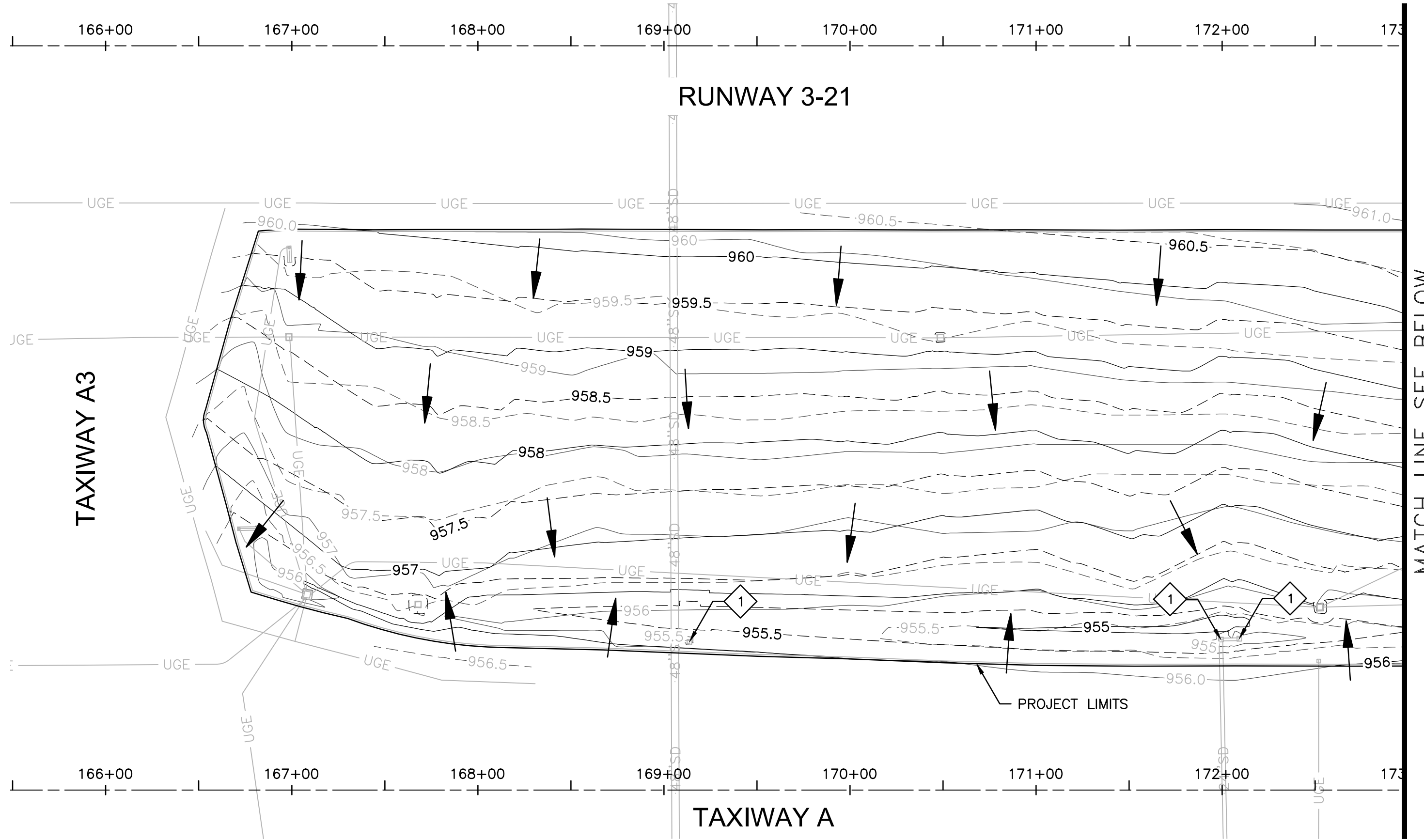
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Drawn by: A. SANTILLI
Checked by: C. JHAVERI
Date: 02/14/2023
Dwg. scale: 1"=50'

SHEET OVERVIEW TITLE
STORMWATER POLLUTION PREVENTION PLAN

SHEET REFERENCE NUMBER:
EC-102
SHEET 17 OF 33

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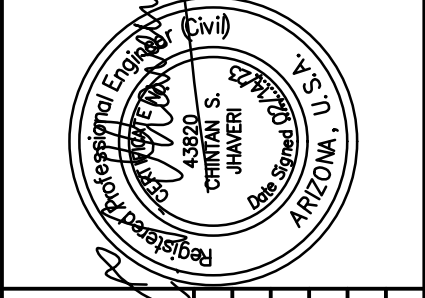
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SWPPP NOTES

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1	FURNISH AND INSTALL INLET PROTECTION PER DETAIL A, SHEET EC-501

TRACE CONSULTING
 2071 E. Jefferson St., Suite 311 Phoenix, AZ 85024
 PRIME CONSULTANT
 SUB CONSULTANT



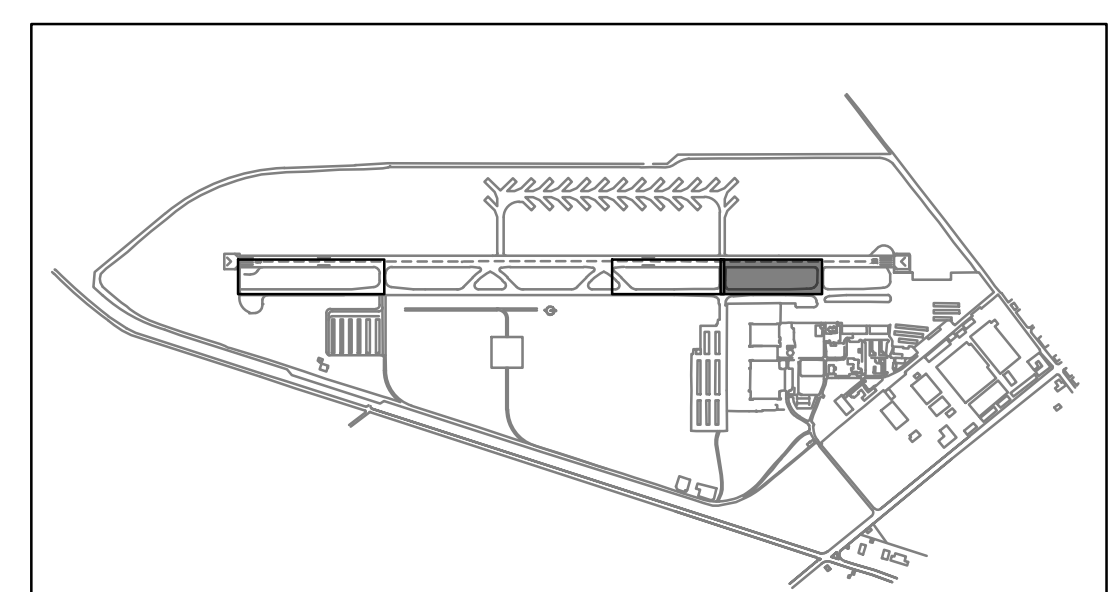
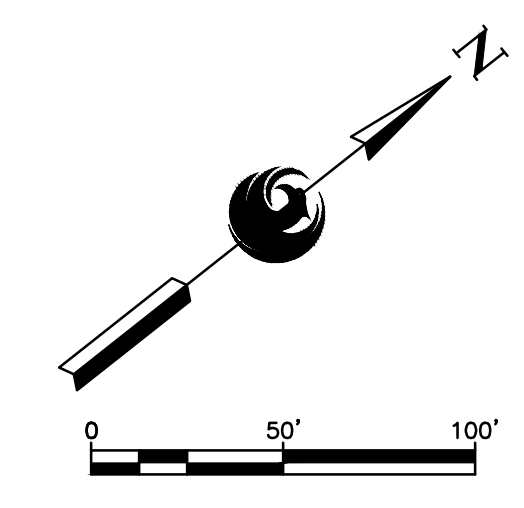
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NO	REVISIONS / SUBMISSIONS	DATE

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GOODYEAR AIRPORT
INFIELD PAVING
PHASE I
 AV 41000079 FAA/ADOT
 ADOT GRANT NO.: E2S1G 01C & E3S21 01C

Designed by: G. SHAW
 Drawn by: A. SANTILLI
 Checked by: C. JHAWARI
 Date: 02/14/2023
 Dwg. scale: 1"=50'

- GENERAL NOTES**
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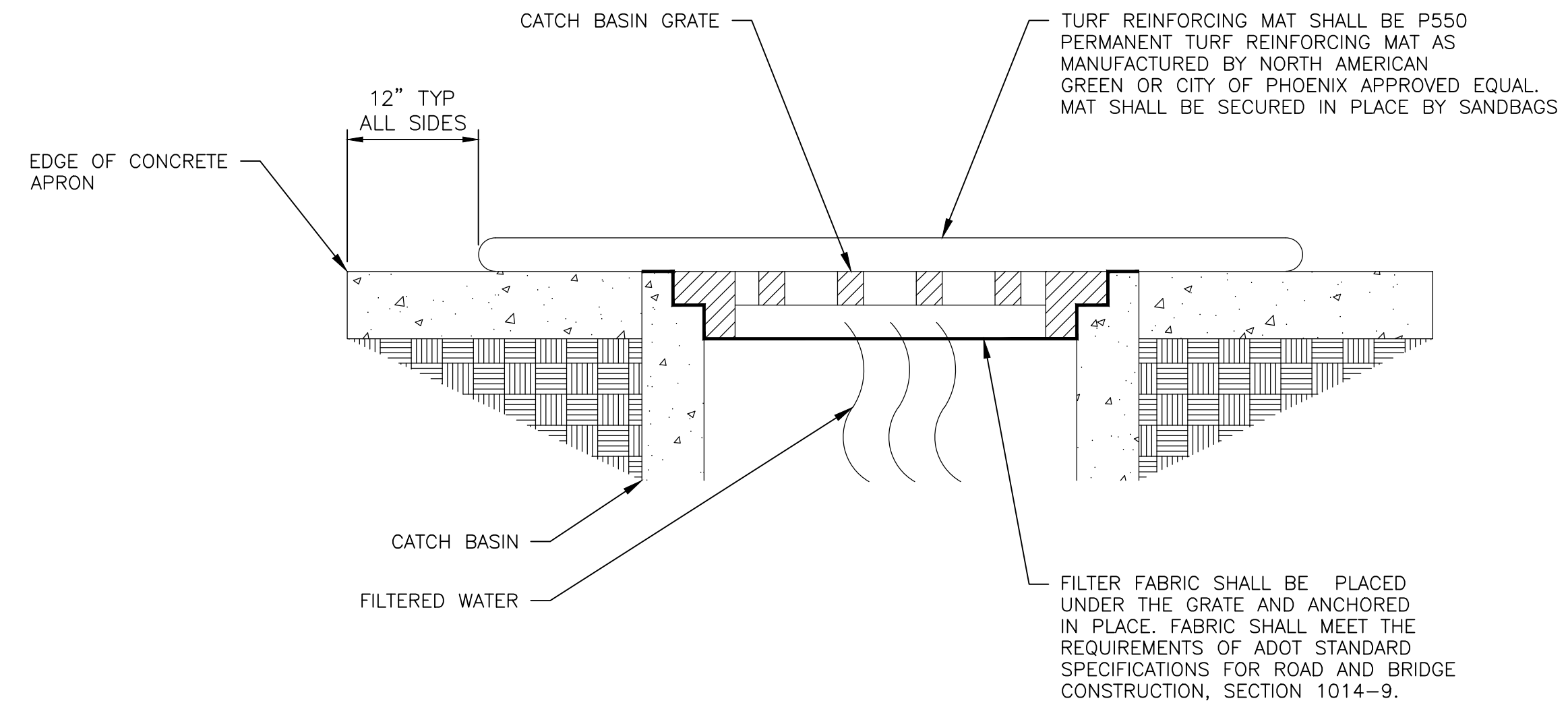


KEY MAP
 NTS

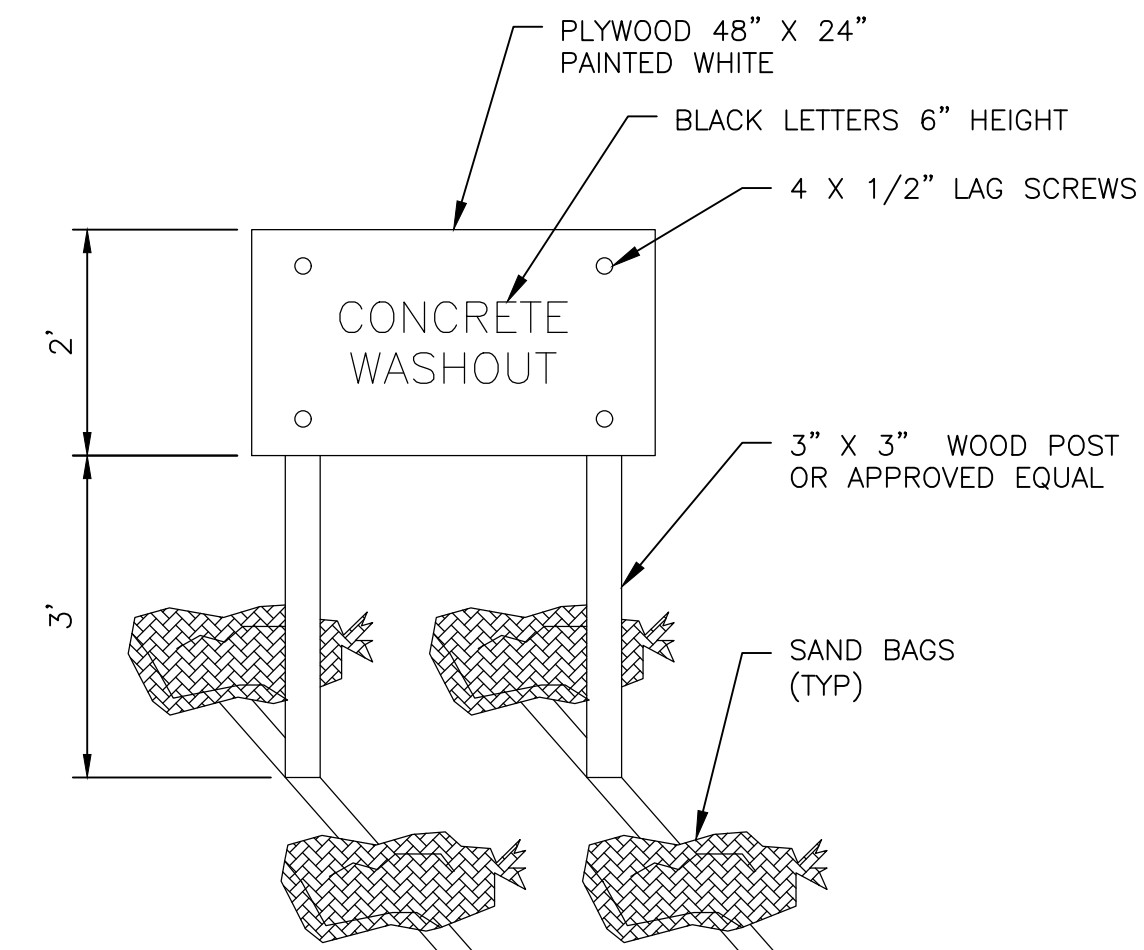
SHEET OVERVIEW TITLE
STORMWATER POLLUTION PREVENTION PLAN

SHEET REFERENCE NUMBER:
EC-103
 SHEET 18 OF 33

1. A COPY OF THE APPROVED GRADING AND DRAINAGE PLAN FOR THIS PROJECT, TOGETHER WITH A COPY OF THE NOTICE OF INTENT (NOI) AND THIS STORM WATER MANAGEMENT PLAN (SWMP), SHALL BE MAINTAINED ON THE SITE AND AVAILABLE FOR REVIEW. THOSE ELEMENTS OF THE GRADING AND DRAINAGE PLAN PERTINENT TO OR REFERENCED ON THE SWMP SHALL BE CONSIDERED A PART OF THE SWMP.
2. PLANNING & DEVELOPMENT DEPARTMENT'S CIVIL/SITE INSPECTION GROUP SHALL BE NOTIFIED 48 HOURS BEFORE ANY ON-SITE AND/OR OFF-SITE CONSTRUCTION BEGINS, AT (602) 262-7811.
3. THE OPERATOR SHALL OBTAIN A DUST CONTROL PERMIT FROM MARICOPA COUNTY HEALTH DEPARTMENT AND PERFORM MEASURES AS REQUIRED BY THE PERMIT TO PREVENT EXCESS DUST.
4. THE OPERATOR SHALL PERFORM, AT A MINIMUM, A VISUAL INSPECTION OF THE CONSTRUCTION SITE ONCE EVERY MONTH AND WITHIN 24 HOURS OF RAINFALL GREATER THAN OR EQUAL TO A HALF OF AN INCH OR MORE. THE OPERATOR SHALL PREPARE A REPORT DOCUMENTING HIS/HER FINDINGS ON THE CONDITIONS OF THE SWMP CONTROLS AND NOTE ANY EROSION PROBLEM AREAS. THE OPERATOR'S REPORT IS TO BE SUBMITTED TO THE PLANNING & DEVELOPMENT DEPARTMENT CIVIL/SITE INSPECTOR FOR REVIEW AND APPROVAL. FACILITIES SHALL BE MAINTAINED AS NECESSARY TO ENSURE THEIR CONTINUED FUNCTIONING. IN ADDITION, ALL TEMPORARY SILTATION CONTROLS SHALL BE MAINTAINED IN A SATISFACTORY CONDITION UNTIL SUCH TIME THAT CLEARING AND/OR CONSTRUCTION IS COMPLETED, PERMANENT DRAINAGE FACILITIES ARE OPERATIONAL, AND THE POTENTIAL FOR EROSION HAS PASSED.
5. THE OPERATOR SHALL AMEND THIS PLAN AS NECESSARY DURING THE COURSE OF CONSTRUCTION TO RESOLVE ANY PROBLEM AREAS, WHICH BECOME EVIDENT DURING THE CONSTRUCTION AND/OR DURING RAINFALLS.
6. THE PERMITEE SHALL FILE A NOTICE OF TERMINATION (N.O.T.) AFTER COMPLETION OF CONSTRUCTION AND PLACEMENT OF FINAL LANDSCAPE MATERIALS. THE N.O.T. IS TO BE SUBMITTED TO THE PLANNING & DEVELOPMENT DEPARTMENT CIVIL/SITE INSPECTOR TO FINAL THE SWMP PERMIT.
7. THE PERMITEE SHALL SAVE ALL RECORDS, INCLUDING THE N.O.I., SWMP, N.O.T., AND INSPECTION REPORTS, ON FILE FOR A MINIMUM OF THREE YEARS FROM THE DATE OF FILING THE N.O.T.
8. THE IMPLEMENTATION OF THESE PLANS AND THE CONSTRUCTION, MAINTENANCE, REPLACEMENT, AND UPGRADING OF THESE FACILITIES IS THE RESPONSIBILITY OF THE PERMITEE/CONTRACTOR UNTIL ALL CONSTRUCTION IS APPROVED AND THE N.O.T. IS SUBMITTED TO THE PLANNING & DEVELOPMENT DEPARTMENT CIVIL/SITE INSPECTOR.
9. THE FACILITIES SHOWN ON THIS PLAN MUST BE CONSTRUCTED IN CONJUNCTION WITH ALL CLEARING AND GRADING ACTIVITIES IN SUCH A MANNER AS TO INSURE THAT SEDIMENT-LADEN WATER DOES NOT ENTER THE DRAINAGE SYSTEM OR VIOLATE APPLICABLE WATER STANDARDS, AND MUST BE INSTALLED AND IN OPERATION PRIOR TO ANY GRADING OR LAND CLEARING. WHEREVER POSSIBLE, MAINTAIN NATURAL VEGETATION FOR SILT CONTROL.
10. PLAN APPROVAL IS VALID FOR 180 DAYS. PRIOR TO PLAN APPROVAL EXPIRATION, ALL ASSOCIATED PERMITS SHALL BE PURCHASED OR THE PLANS SHALL BE RESUBMITTED FOR EXTENSION OF PLAN APPROVAL. THE EXPIRATION, EXTENSION, AND REINSTATEMENT OF CIVIL ENGINEERING PLANS AND PERMITS SHALL FOLLOW THE SAME GUIDELINES AS THOSE INDICATED IN THE PHOENIX BUILDING CONSTRUCTION CODE ADMINISTRATIVE PROVISIONS SECTION 105.3 FOR BUILDING PERMITS.



A INLET PROTECTION
EC-501 N.T.S.



NOTES

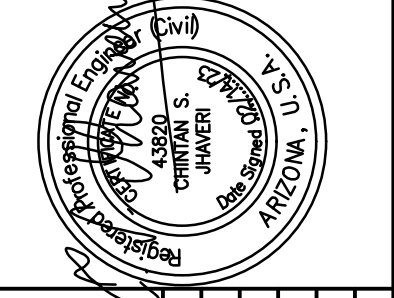
1. ACTUAL LAYOUT DETERMINED IN FIELD.
2. THE CONCRETE WASHOUT SIGN WILL BE INSTALLED WITHIN 30' OF THE TEMPORARY CONCRETE WASHOUT FACILITY.
3. WASHOUT BASIN SHALL BE MAINTAINED IN GOOD CONDITION BY THE CONTRACTOR.
4. WHEN NEEDED, PLASTIC LINING AND DRY RESIDUE SHALL BE REMOVED AND PROPERLY DISPOSED OF AND A NEW LINER INSTALLED.
5. CONTRACTOR TO USE PRE-FABRICATED LEAK RESISTANT CONCRETE WASH OUT BINS (SEE PHOTO BELOW).
6. LOCATION OF CONCRETE WASHOUT ON SITE SHALL BE AT THE CONTRACTOR'S STAGING AREA OR AS APPROVED BY GYR OPERATIONS.



SAMPLE CONCRETE WASHOUT BIN (SEE NOTE 5 ABOVE, PHOTO FOR REFERENCE ONLY)

B CONCRETE WASHOUT
EC-501 N.T.S.

TRACE
CONSULTING
1971 E. Jefferson St. Suite 11 Phoenix, AZ 85026



PRIME CONSULTANT	SUB CONSULTANT
DESIGNED BY: G. SHAW	DRAWN BY: A. SANTILLI
CHECKED BY: C. JHAVERI	DATE: 02/14/2023
DWG. SCALE: NTS	
NO.	REVISIONS / SUBMISSIONS
	DATE

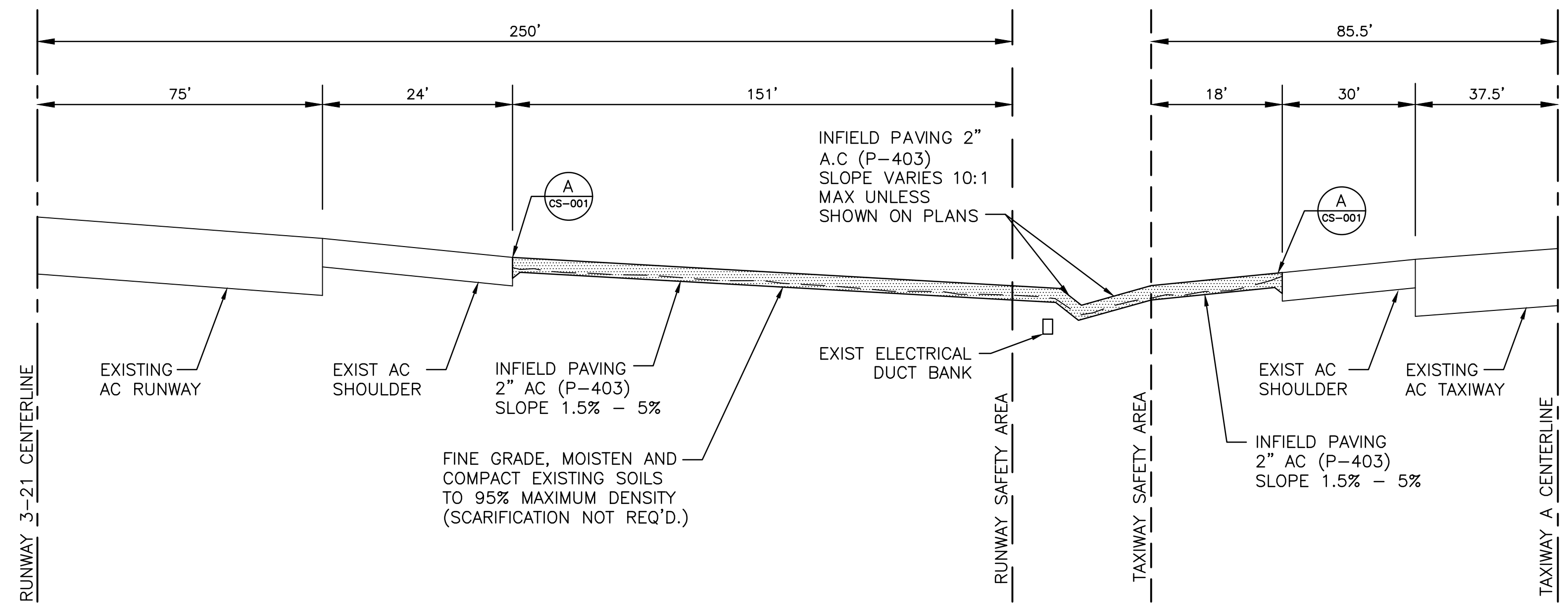
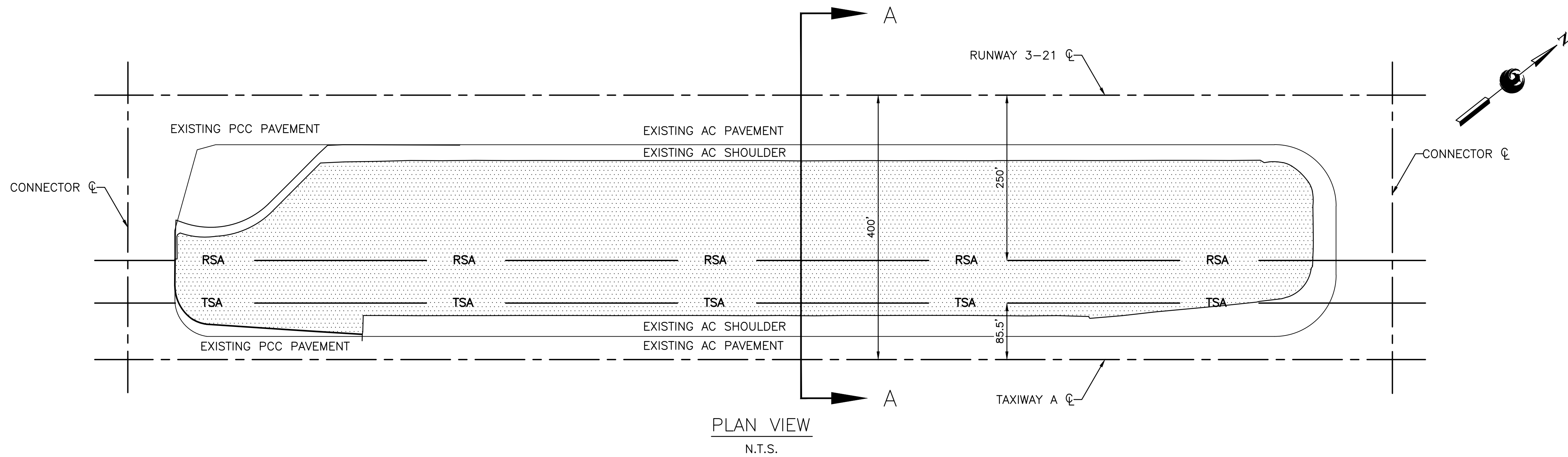
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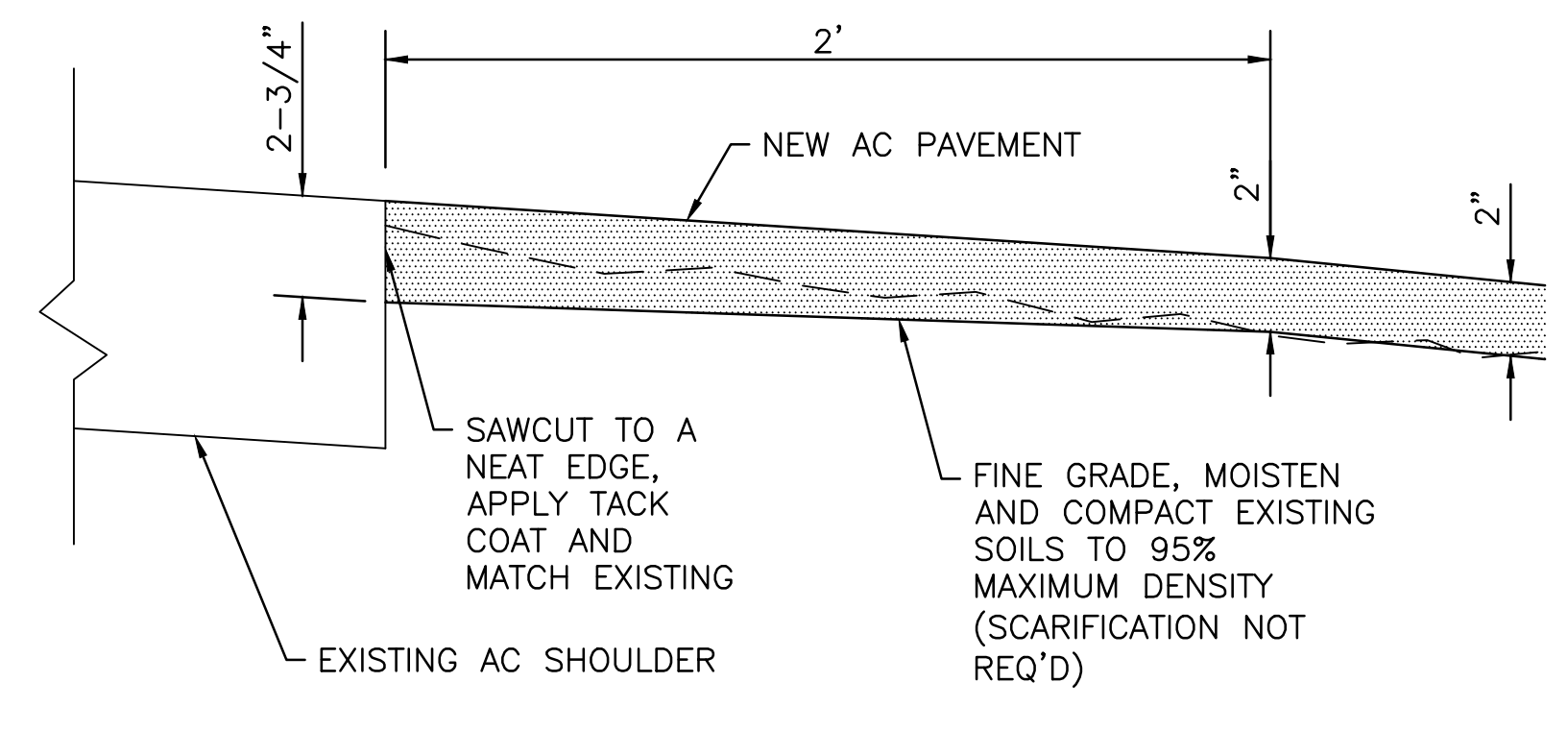
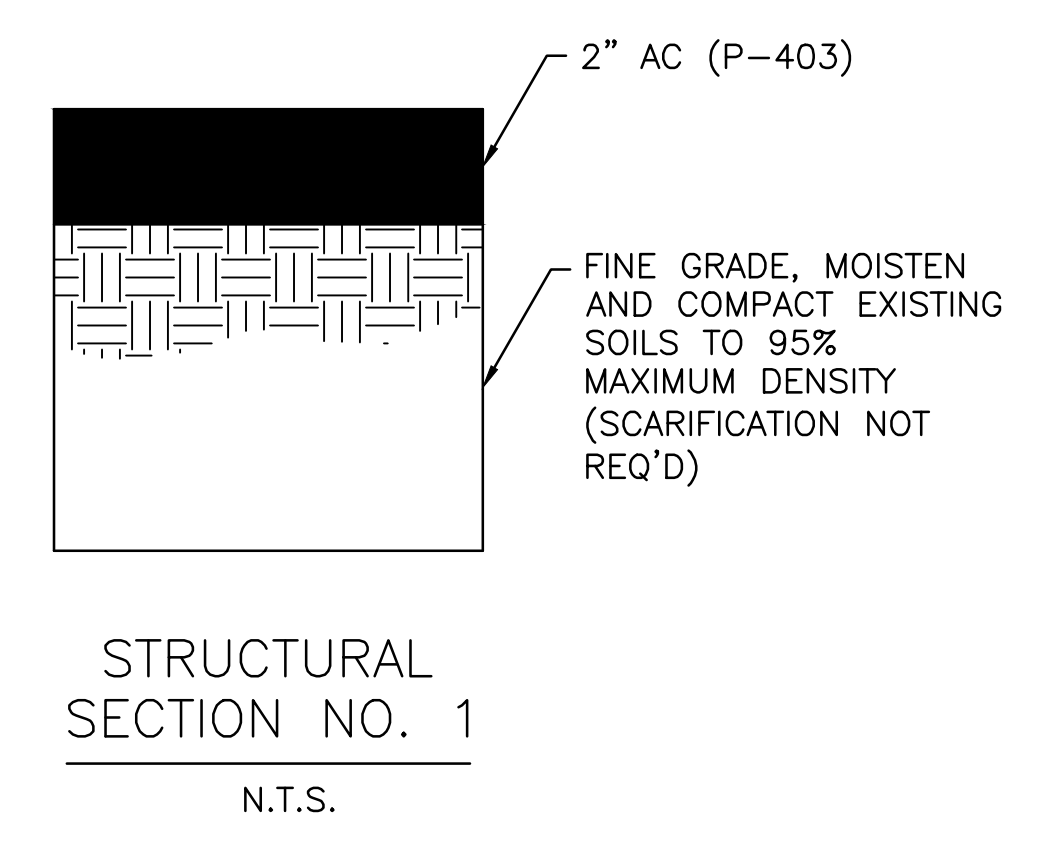
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STORMWATER POLLUTION
PREVENTION DETAILS

SHEET REFERENCE NUMBER:
EC-501
SHEET 19 OF 33





TYPICAL INFIELD DETAIL
N.T.S.



PRIME CONSULTANT
TRACE CONSULTING
1071 E. Jefferson St. Suite 3 Phoenix, AZ 85024

SUB CONSULTANT

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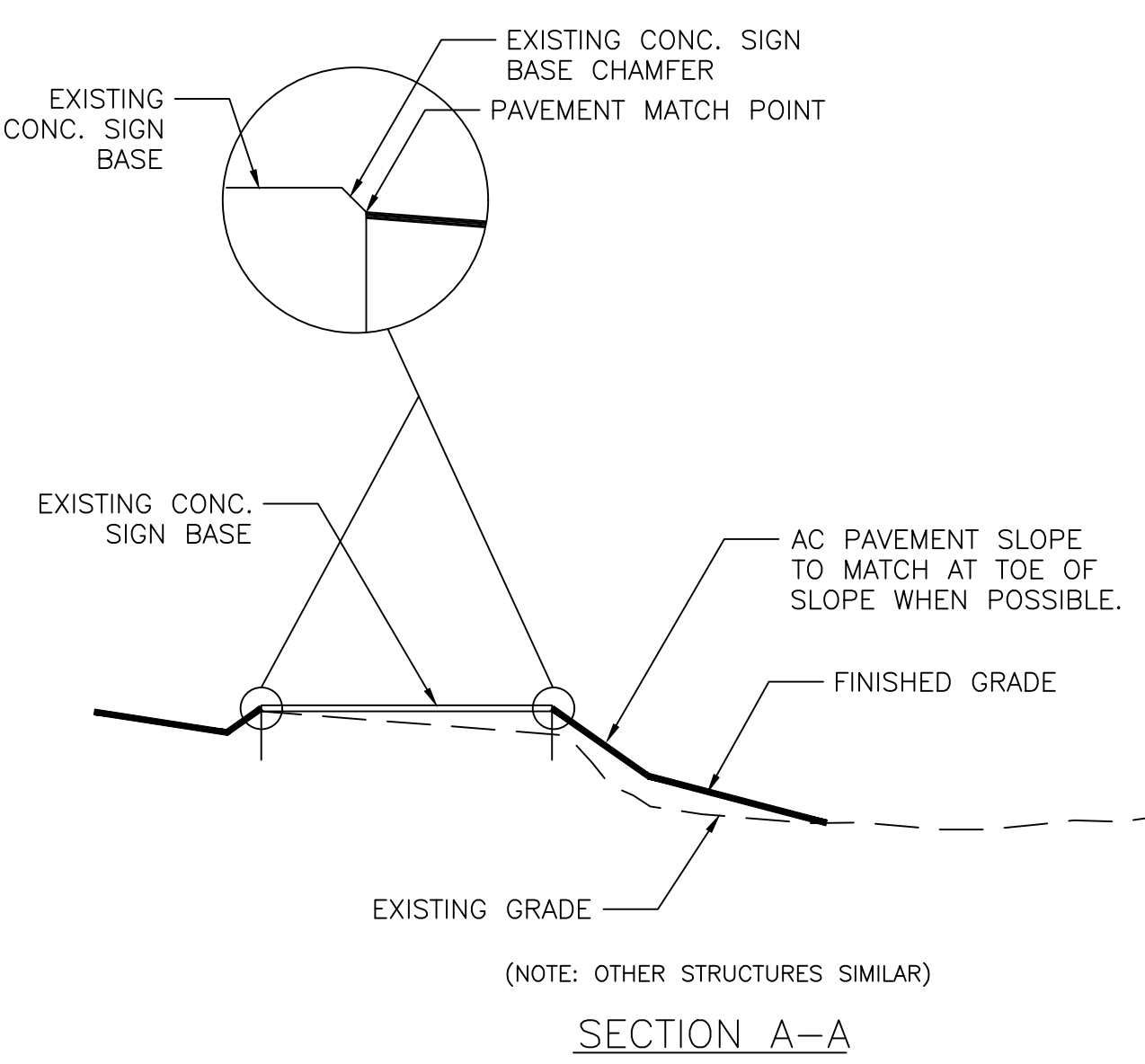
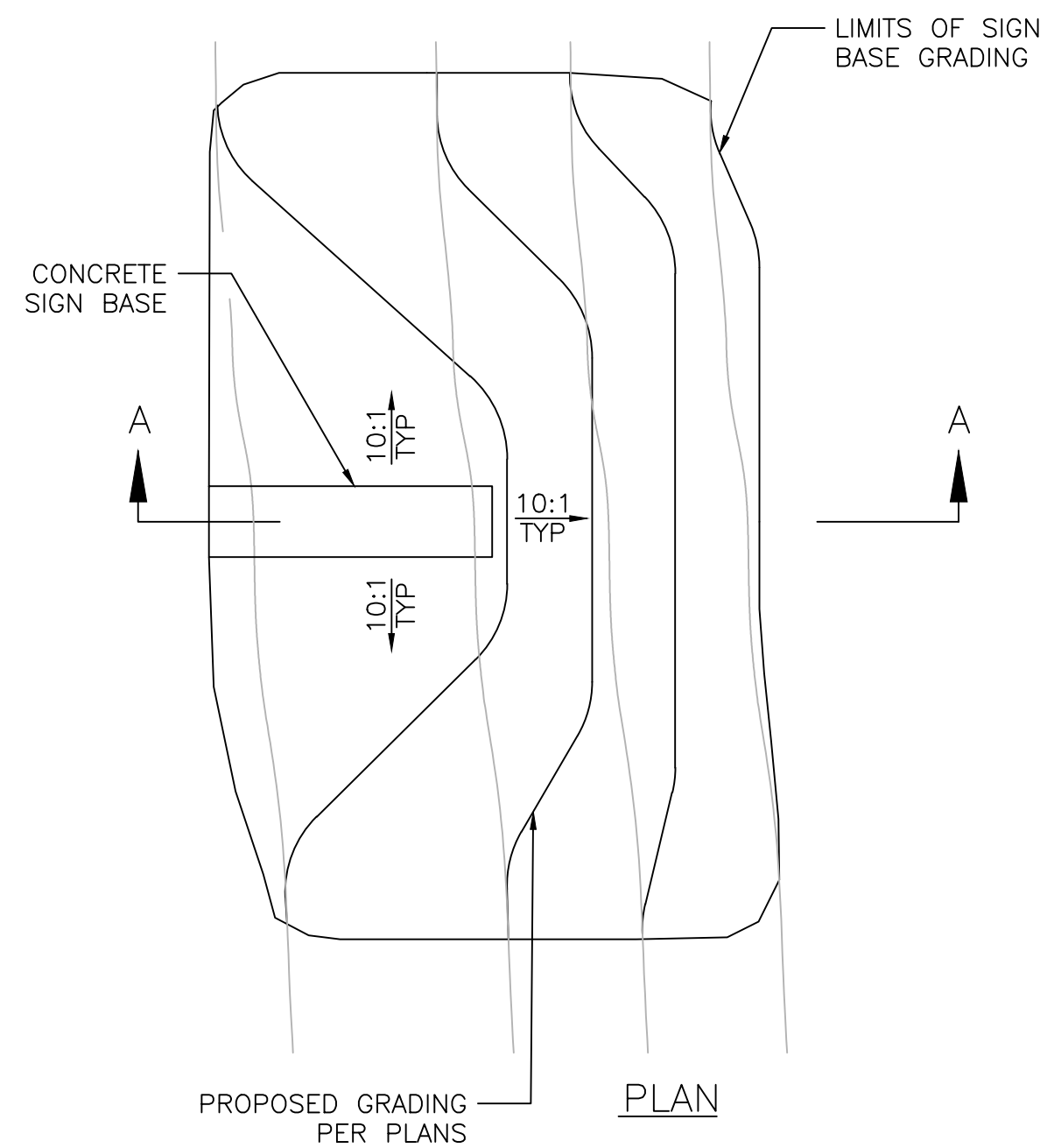
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SHEET OVERVIEW TITLE
TYPICAL SECTIONS

SHEET REFERENCE NUMBER:
CS-501

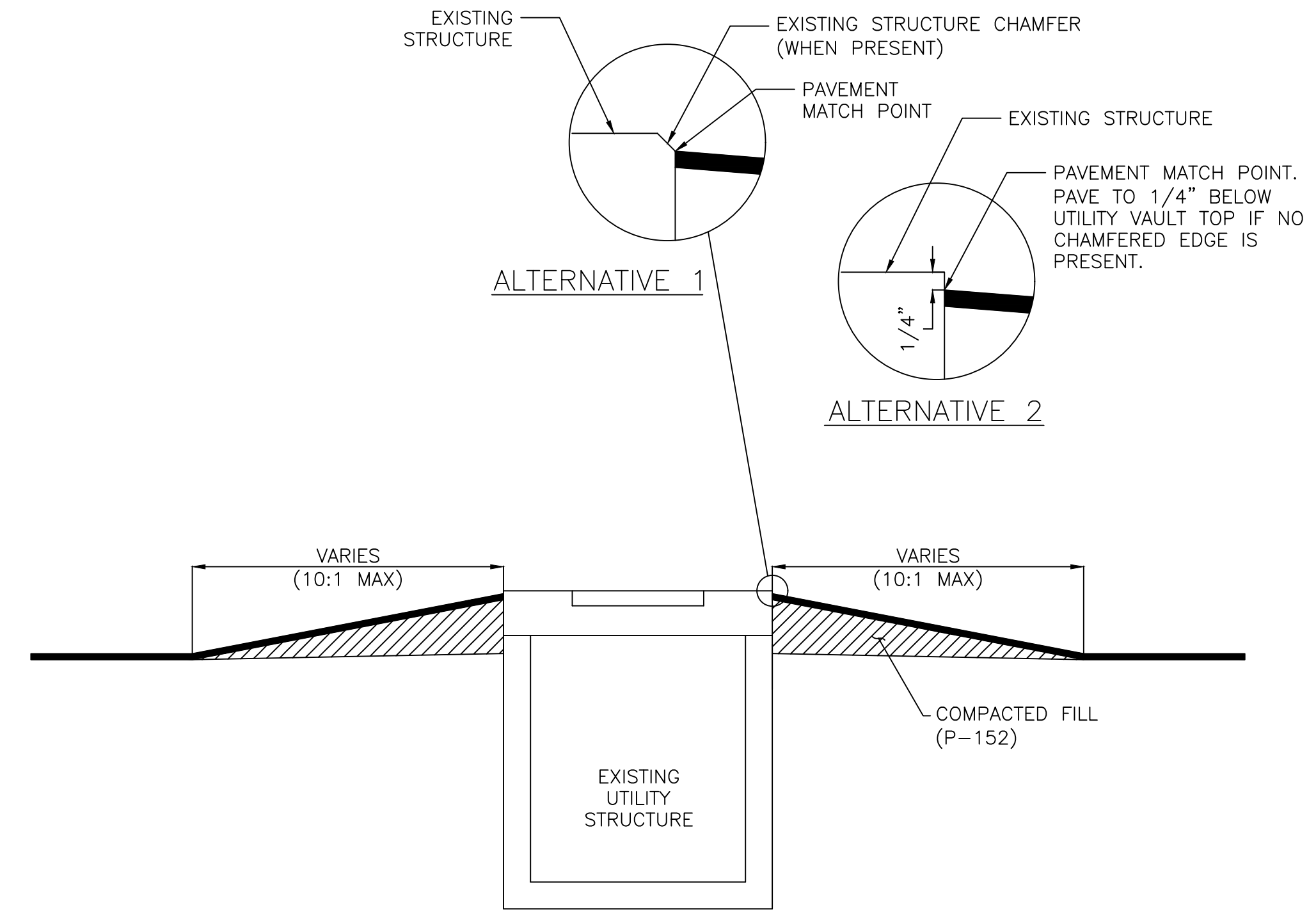
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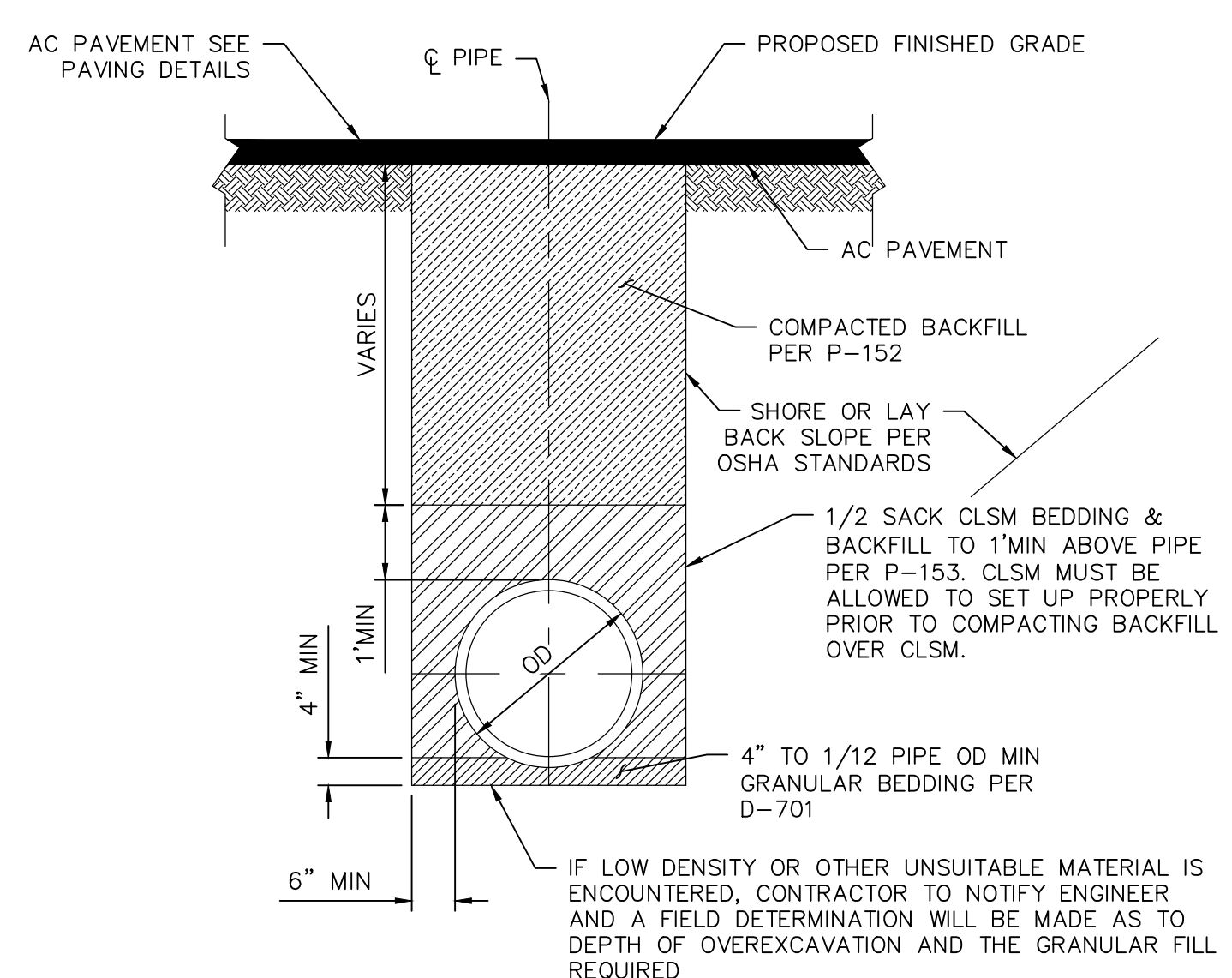


NOTE: 10:1 SLOPE IS TYPICAL FOR ALL SIGN BASES. SLOPES UP TO 4:1 MAY BE USED IN LOCATIONS WHERE 16:1 SLOPE IS IMPRACTICAL DUE TO PROXIMITY OF OTHER STRUCTURES WITH ENGINEER'S APPROVAL.

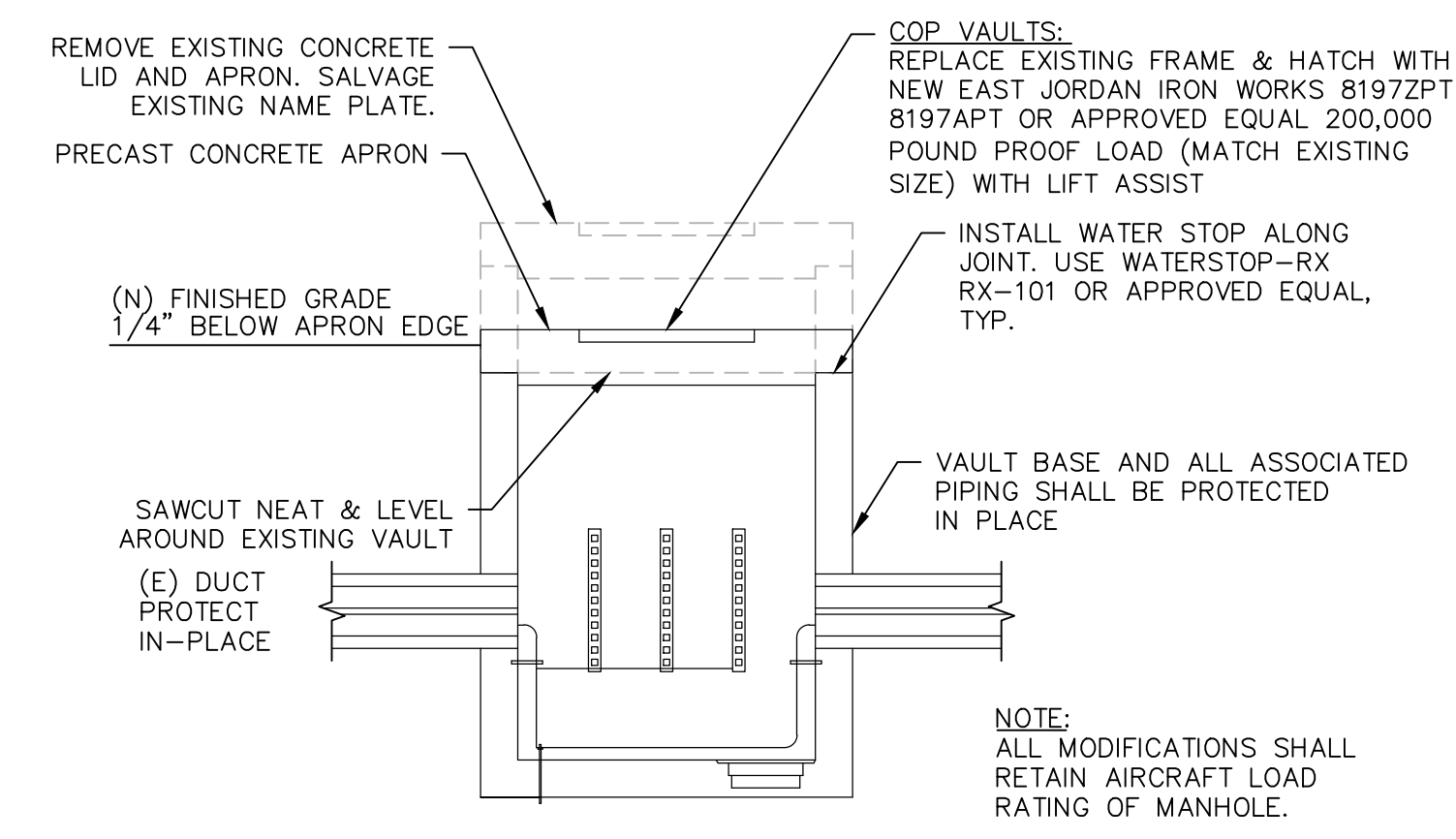
(B) SIGN BASE PAVING DETAIL
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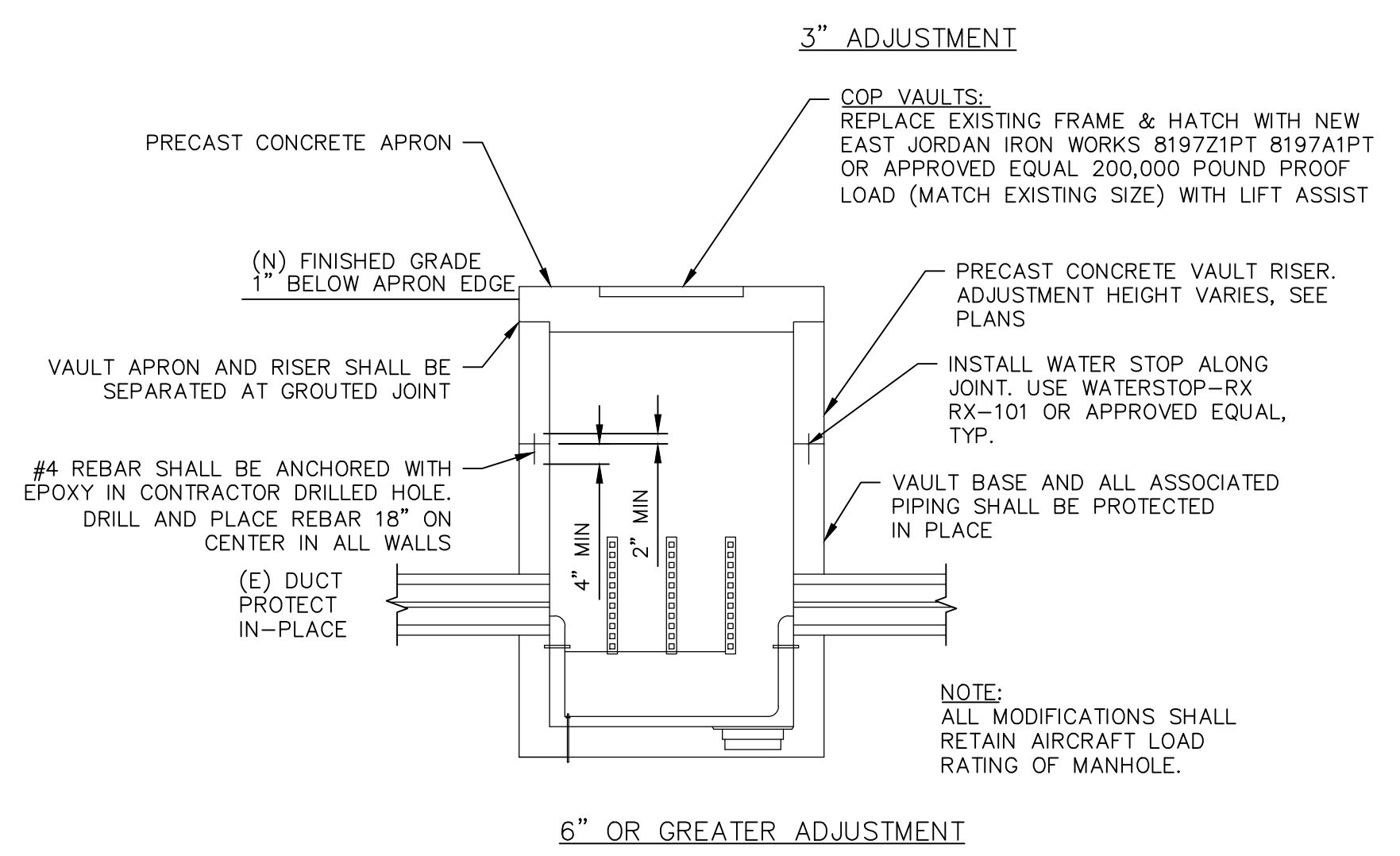
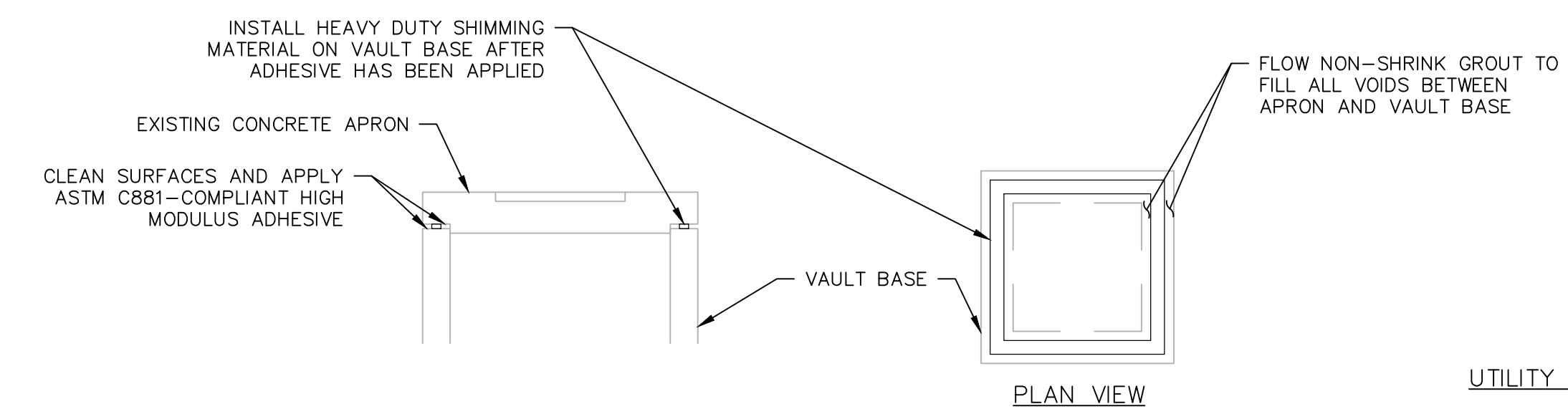
(C) STRUCTURE PAVING DETAIL
N.T.S.



(D) STORM DRAIN PIPE TRENCH DETAIL
N.T.S.



(E) UTILITY VAULT LOWER DETAIL
N.T.S.



(F) UTILITY VAULT EXTENSION
N.T.S.

- UTILITY VAULT NOTES**
1. ALL STEEL, OTHER THAN REBAR, TO BE HOT DIPPED GALVANIZED AFTER FABRICATION.
 2. GROUT ALL CONDUIT PENETRATIONS.
 3. PROVIDE MANUFACTURER'S DRAWINGS AND STRUCTURAL CALCULATIONS FOR ALL CONCRETE ELEMENTS OF UTILITY VAULTS AND FABRICATED TRAFFIC LIDS.
 4. DO NOT CONNECT COUNTERPOISE TO GROUNDING SYSTEM.
 5. AFTER ADJUSTING THE UTILITY VAULT TO GRADE, THE CONTRACTOR SHALL REPLACE THE LADDER (SEE NOTE 6) AS NECESSARY TO ENSURE THAT IT IS THE CORRECT LENGTH FOR THE NEW DEPTH OF THE VAULT.
 6. ALL REPLACED LADDERS TO BE FIBERGLASS WITH MOUNTED HOOKS AT TOP. A PERMANENT MOUNTED TOP STEP TO BE INSTALLED WITHIN THE VAULT COLLAR TO HOOK LADDERS TO.
 7. ALL UTILITIES WITHIN EXISTING UTILITY VAULTS SHALL BE PROTECTED IN PLACE. EXISTING UTILITIES DAMAGED AS A RESULT OF CONSTRUCTION SHALL BE FIXED BY CONTRACTOR AT NO COST TO THE CITY.
 8. THE HINGE OF THE LID SHALL BE FACING THE NEAREST RUNWAY OR PARALLEL TAXIWAY PAVEMENT.
 9. REFER TO SHEET EA-502 FOR VAULT NAME PLATE INSTALLATION DETAIL.

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PRIME CONSULTANT

TRACE CONSULTING

1071 E. Jefferson St. Suite 11 Phoenix, AZ 85004

SUB CONSULTANT

DESIGNED BY: G. SHAW

DRAWN BY: A. SANTILLI

CHECKED BY: C. JHAVERI

DATE: 02/14/2023

DWG. SCALE: NTS

SHEET OVERVIEW TITLE

DETAILS

SHEET REFERENCE NUMBER:

CS-502

SHEET 21 OF 33

CITY OF PHOENIX AVIATION DEPARTMENT

GOODYEAR AIRPORT

INFIELD PAVING

PHASE I

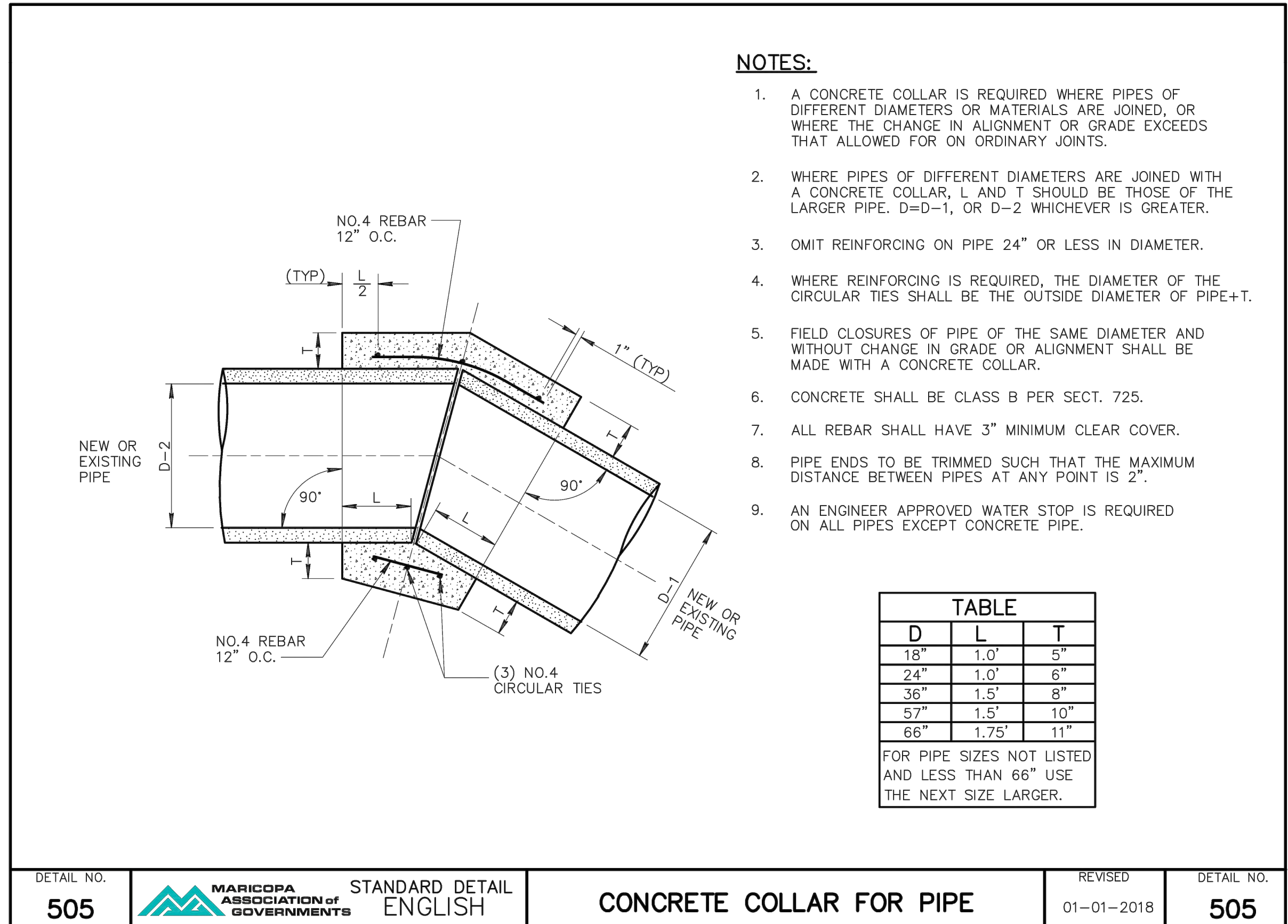
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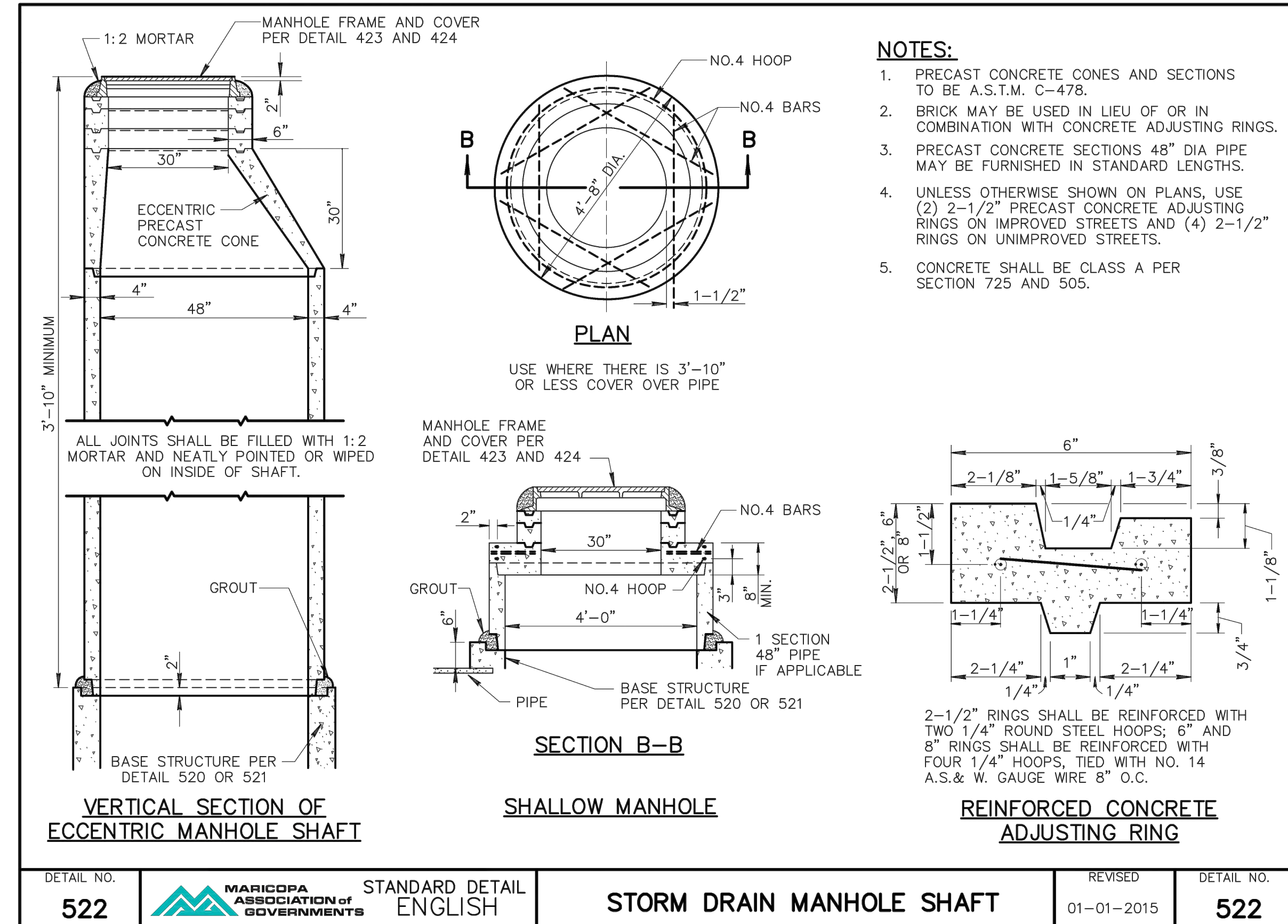
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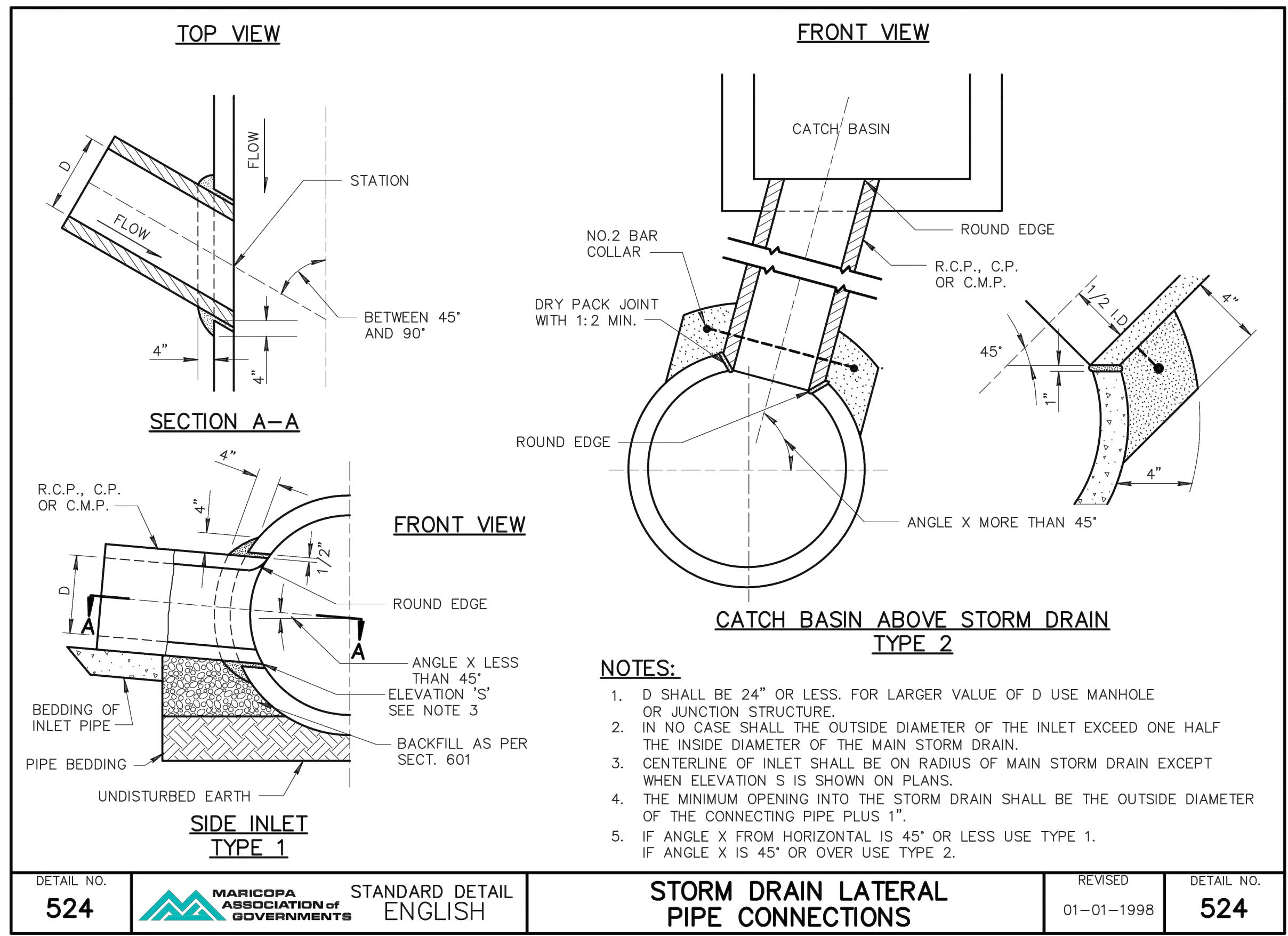
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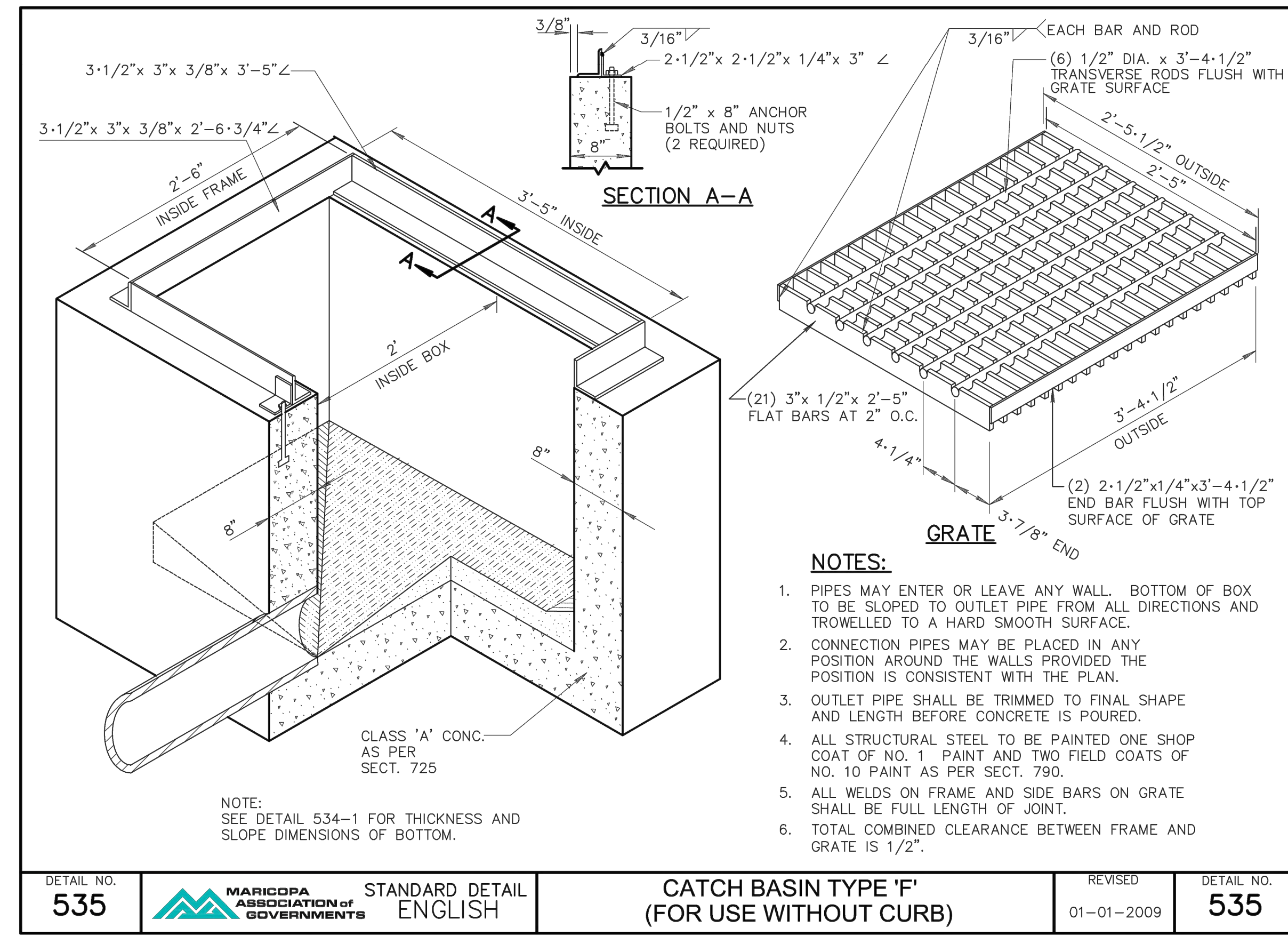
DETAIL NO. **505** MARICOPA ASSOCIATION OF GOVERNMENTS STANDARD DETAIL ENGLISH **CONCRETE COLLAR FOR PIPE** REVISED 01-01-2018 **505** DETAIL NO.



DETAIL NO. **522** MARICOPA ASSOCIATION OF GOVERNMENTS STANDARD DETAIL ENGLISH **STORM DRAIN MANHOLE SHAFT** REVISED 01-01-2015 **522** DETAIL NO.



DETAIL NO. **524** MARICOPA ASSOCIATION OF GOVERNMENTS STANDARD DETAIL ENGLISH **STORM DRAIN LATERAL PIPE CONNECTIONS** REVISED 01-01-1998 **524** DETAIL NO.



DETAIL NO. **535** MARICOPA ASSOCIATION OF GOVERNMENTS STANDARD DETAIL ENGLISH **CATCH BASIN TYPE 'F' (FOR USE WITHOUT CURB)** REVISED 01-01-2009 **535** DETAIL NO.

TRACE CONSULTING
1071 E. Johnson St., Suite 11 Phoenix, AZ 85004

PRIME CONSULTANT
SUB CONSULTANT

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DESIGNED BY: G. SHAW
DRAWN BY: A. SANTILLI
CHECKED BY: C. JHAVERI
DATE: 02/14/2023
DWG. SCALE: NTS

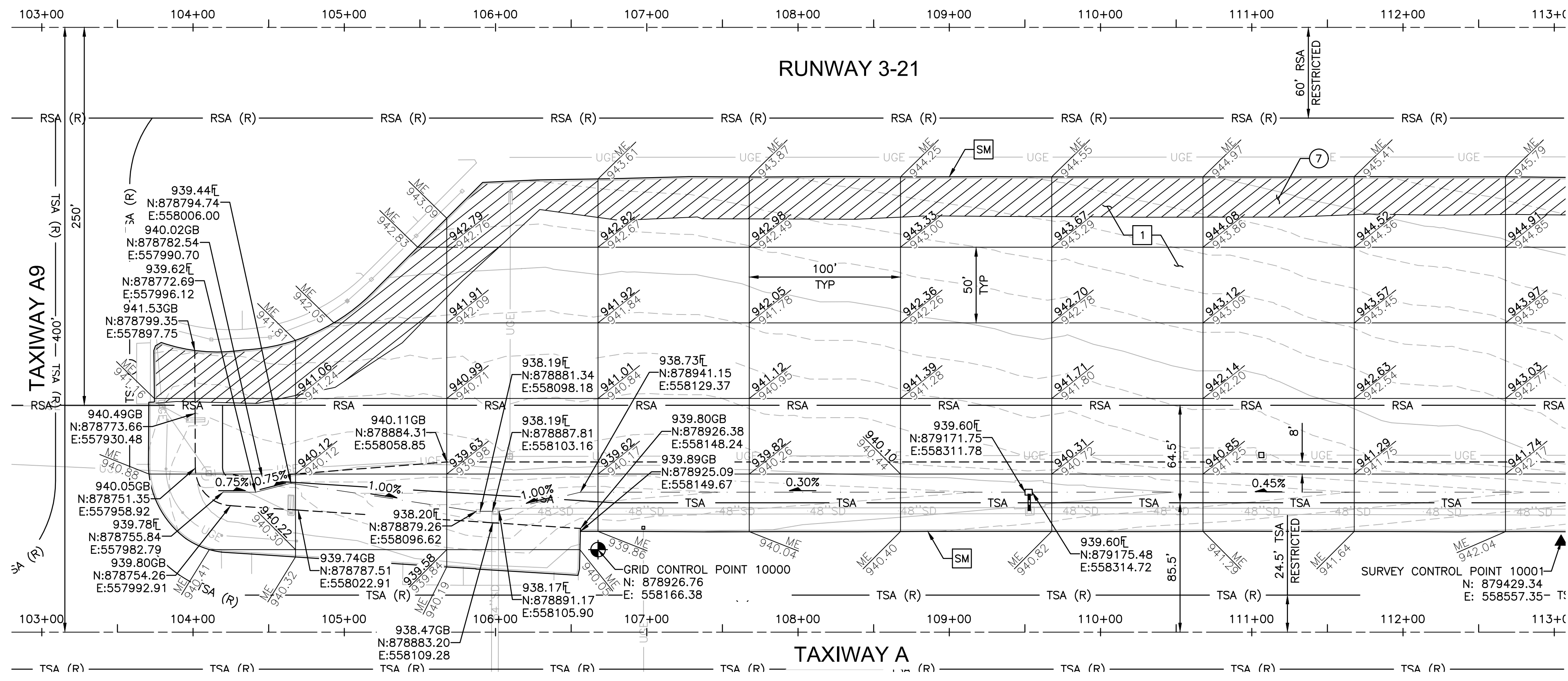
PHX BYR
CITY OF PHOENIX AVIATION DEPARTMENT
GOODYEAR AIRPORT INFIELD PAVING PHASE I
AV 41000079 FAA/ADOT
ADOT GRANT NO.: E2S1G 01C & ES21 01C

DETAILS

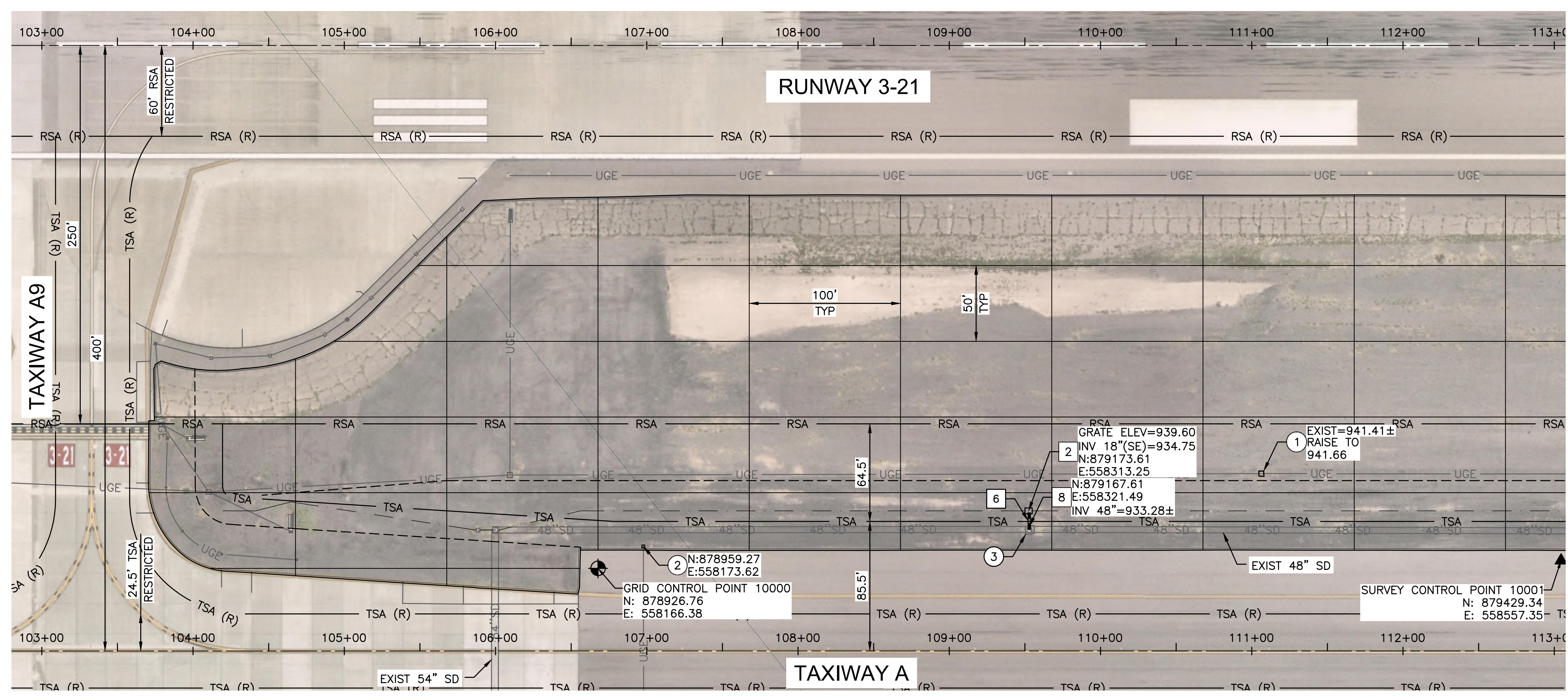
SHEET OVERVIEW TITLE

SHEET REFERENCE NUMBER: **CS-503**

SHEET 22 OF 33



**INFIELD PAVING & GRADING
INFIELD AN8 (SOUTH)**



UTILITY ADJUSTMENTS

ADJUSTMENT & REMOVAL NOTES

ITEM	DESCRIPTION	QTY
①	RAISE EXISTING UTILITY VAULT PER DETAIL F, SHEET CS-502	1 EA
②	ADJUST EXISTING DUCT MARKING TO GRADE	1 EA
③	REMOVE EXISTING CATCH BASIN	1 EA
⑦	REMOVE EXISTING ASPHALT PAVEMENT	3,035 SY

CONSTRUCTION NOTES

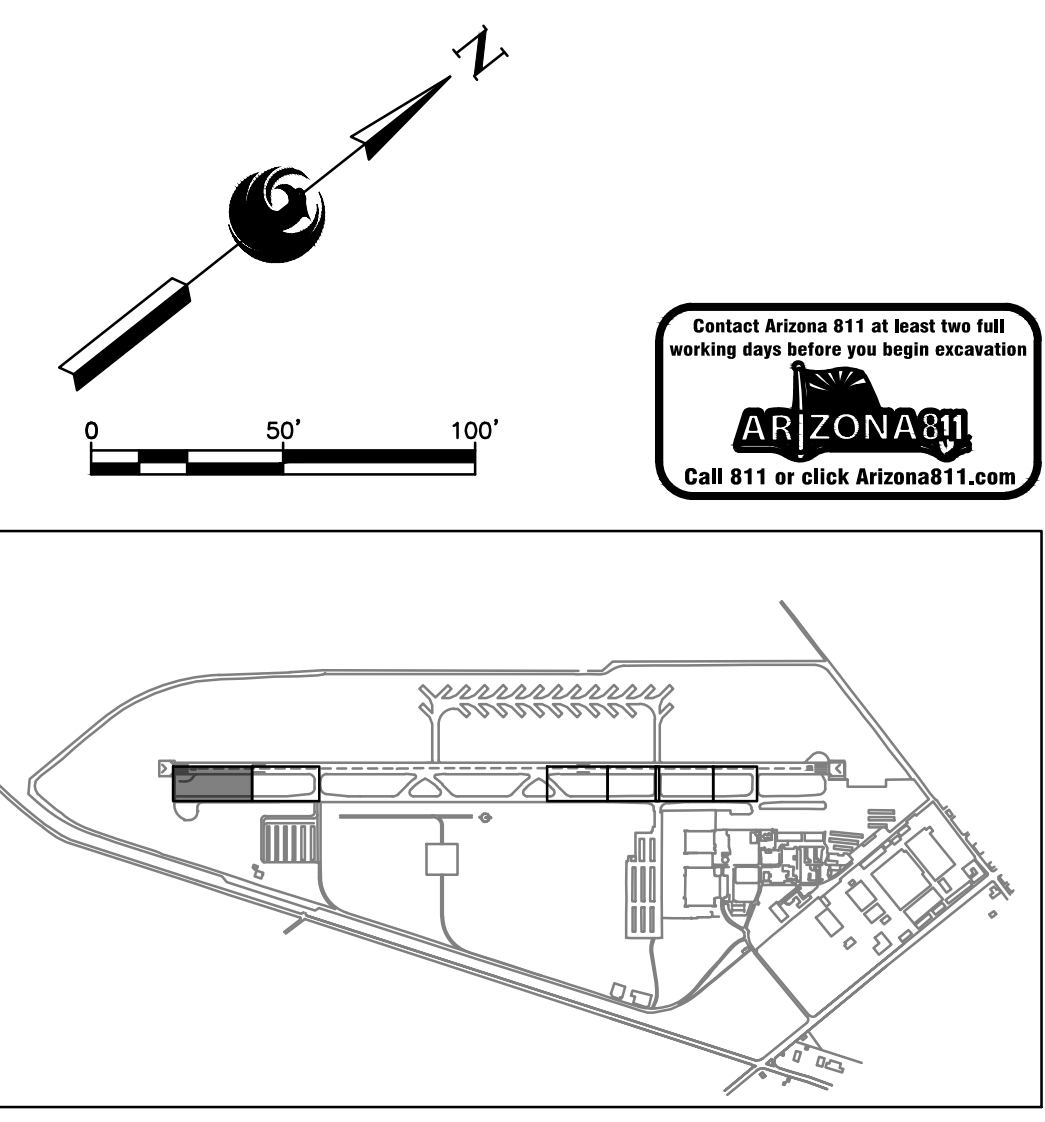
ITEM	DESCRIPTION	QTY
1	CONSTRUCT ASPHALT PAVEMENT PER STRUCTURAL SECTION NO. 1, SHEET CS-501	2,572 TON
2	CONSTRUCT NEW CONCRETE CATCH BASIN PER MAG STD DTL 535, PROVIDED FOR REFERENCE ON SHEET CS-503	1 EA
6	INSTALL NEW 18" RGRCP, CLASS V	11 LF
8	CONSTRUCT STORM DRAIN LATERAL PIPE CONNECTION PER MAG STD DTL 524, TYPE 1, PROVIDED FOR REFERENCE ON SHEET CS-503	NPI
SM	SAWCUT ASPHALT PAVEMENT (FULL DEPTH)	2,057 LF

REFERENCE NOTES

- ① SEE ELECTRICAL PLANS FOR SIGN BASE NOTES

GENERAL NOTES

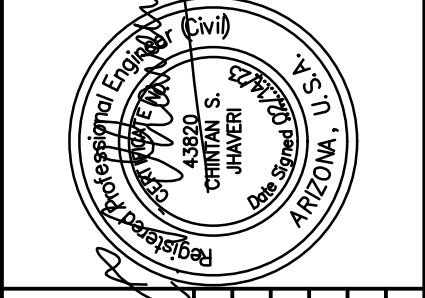
- RUNWAY AND TAXIWAY STATIONING SHOWN FOR REFERENCE ONLY.
- AERIAL PHOTOGRAPH SHOWN IS INTENDED TO PROVIDE CLARITY FOR VAULT LOCATING AND IS INTENDED TO BE USED FOR REFERENCE ONLY.
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KEY MAP
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TRACE CONSULTING
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PRIME CONSULTANT
SUB CONSULTANT



PER CITY OF PHOENIX CITY CODE CHAPTER 2, SECTION 2-2-28, THESE PLANS ARE FOR OFFICIAL USE ONLY AND MAY NOT BE SHARED WITH OTHERS EXCEPT AS REQUIRED TO FULFILL THE OBLIGATIONS OF CONTRACTOR'S CONTRACT WITH THE CITY OF PHOENIX.

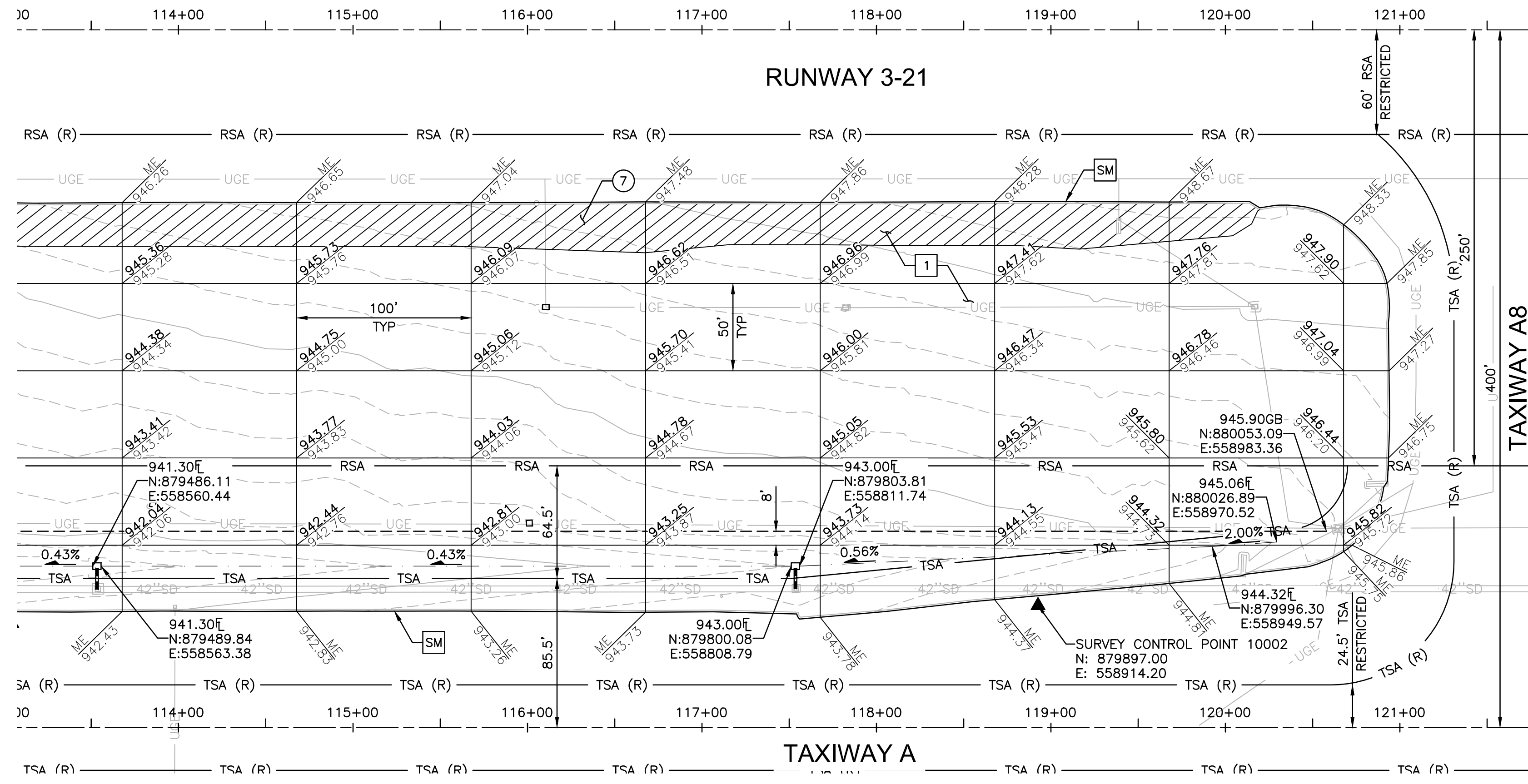
NO	REVISIONS / SUBMISSIONS	DATE

PHX DOT BYR
CITY OF PHOENIX AVIATION DEPARTMENT
**GOODYEAR AIRPORT
INFIELD PAVING
PHASE I**
AV 41000079 FAA/ADOT
ADOT GRANT NO.: E2S1G.01C & E2S21.01C

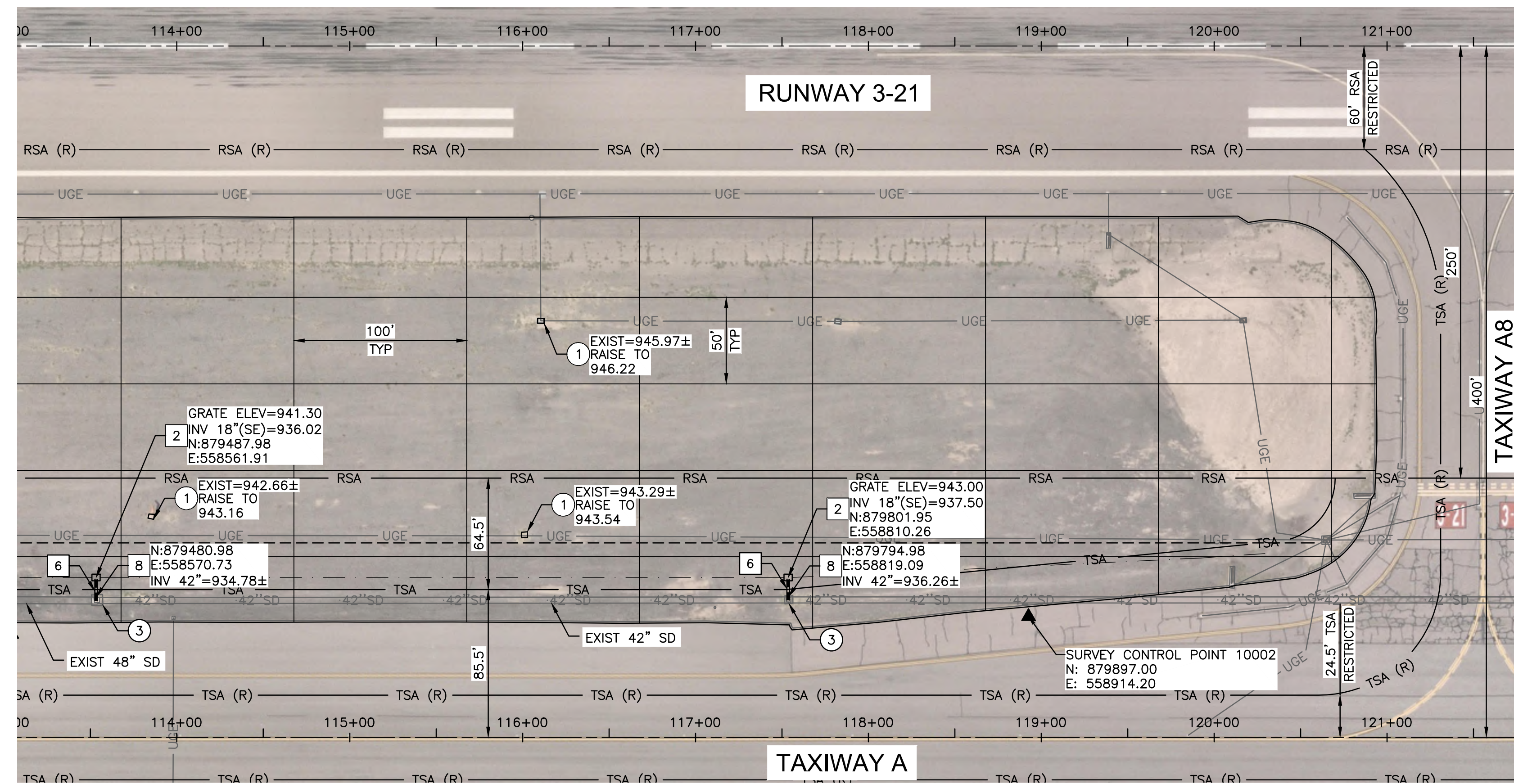
Designed by: G. SHAW
Drawn by: A. SANTILLI
Checked by: C. JHAVERI
Date: 02/14/2023
Dwg. scale: 1"=50'

**INFIELD UTILITY ADJUSTMENTS
AND PAVING**

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**INFIELD PAVING & GRADING
INFIELD AN8 (NORTH)**



UTILITY ADJUSTMENTS

ADJUSTMENT & REMOVAL NOTES

ITEM	DESCRIPTION	QTY
①	RAISE EXISTING UTILITY VAULT PER DETAIL F, SHEET CS-502	3 EA
③	REMOVE EXISTING CATCH BASIN	2 EA
⑦	REMOVE EXISTING ASPHALT PAVEMENT	1,899 SY

CONSTRUCTION NOTES

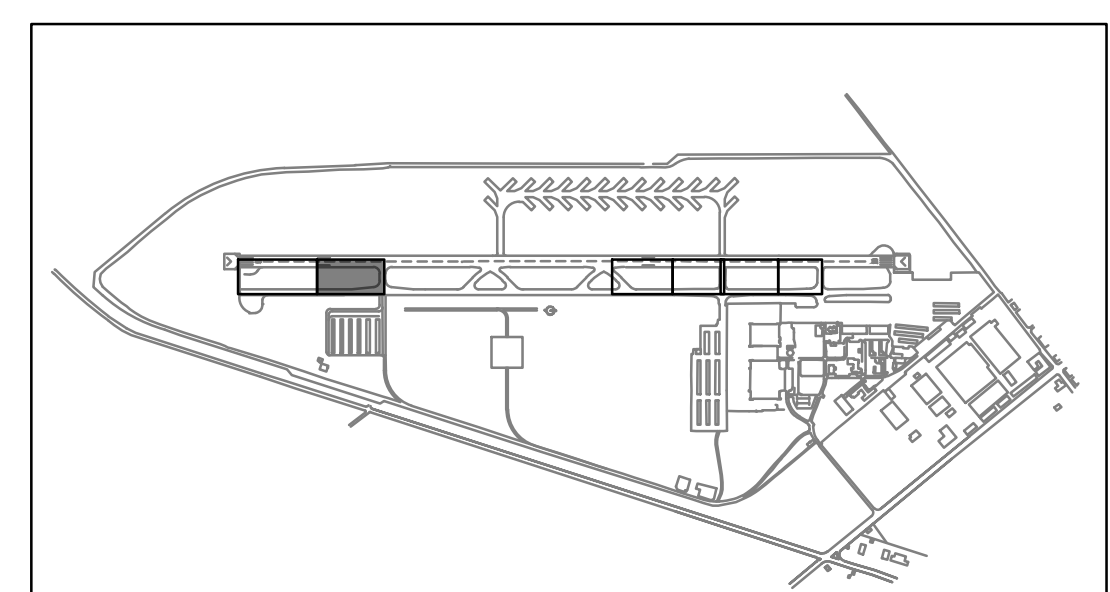
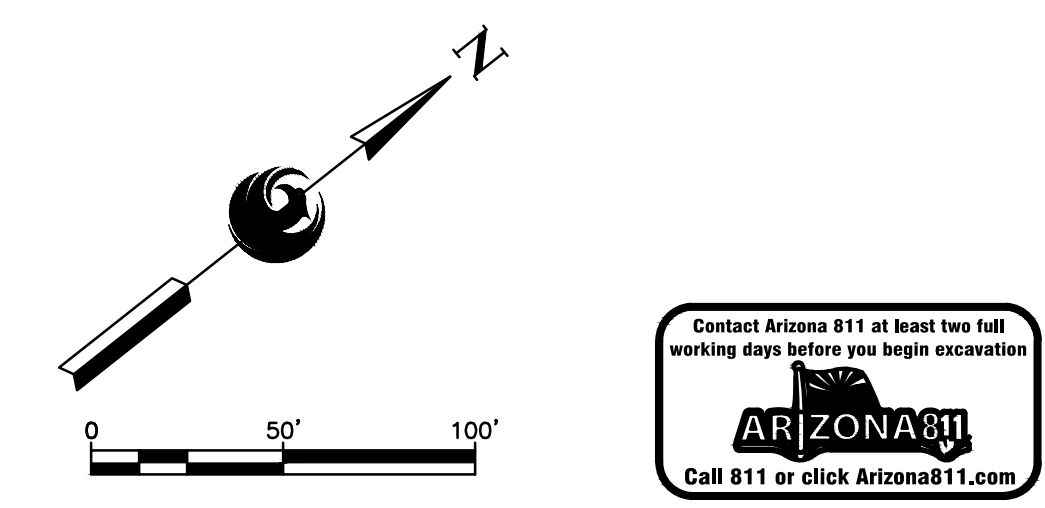
ITEM	DESCRIPTION	QTY
1	CONSTRUCT ASPHALT PAVEMENT PER STRUCTURAL SECTION NO. 1, SHEET CS-501	2,236 TON
2	CONSTRUCT NEW CONCRETE CATCH BASIN PER MAG STD DTL 535, PROVIDED FOR REFERENCE ON SHEET CS-503	2 EA
6	INSTALL NEW 18" RGRCP, CLASS V	24 LF
8	CONSTRUCT STORM DRAIN LATERAL PIPE CONNECTION PER MAG STD DTL 524, TYPE 1, PROVIDED FOR REFERENCE ON SHEET CS-503	NPI
SM	SAWCUT ASPHALT PAVEMENT (FULL DEPTH)	1,743 LF

REFERENCE NOTES

- ① SEE ELECTRICAL PLANS FOR SIGN BASE NOTES

GENERAL NOTES

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KEY MAP

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SUB CONSULTANT



NO	REVISIONS / SUBMISSIONS	DATE

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CITY OF PHOENIX AVIATION DEPARTMENT
**GOODYEAR AIRPORT
INFIELD PAVING
PHASE I**
AV 41000079 FAA/ADOT
ADOT GRANT NO.: E2S1G.01C & E8S21.01C

Designed by: G. SHAW
Drawn by: A. SANTILLI
Checked by: C. JHAVERI
Date: 02/14/2023
Dwg scale: 1"=50'

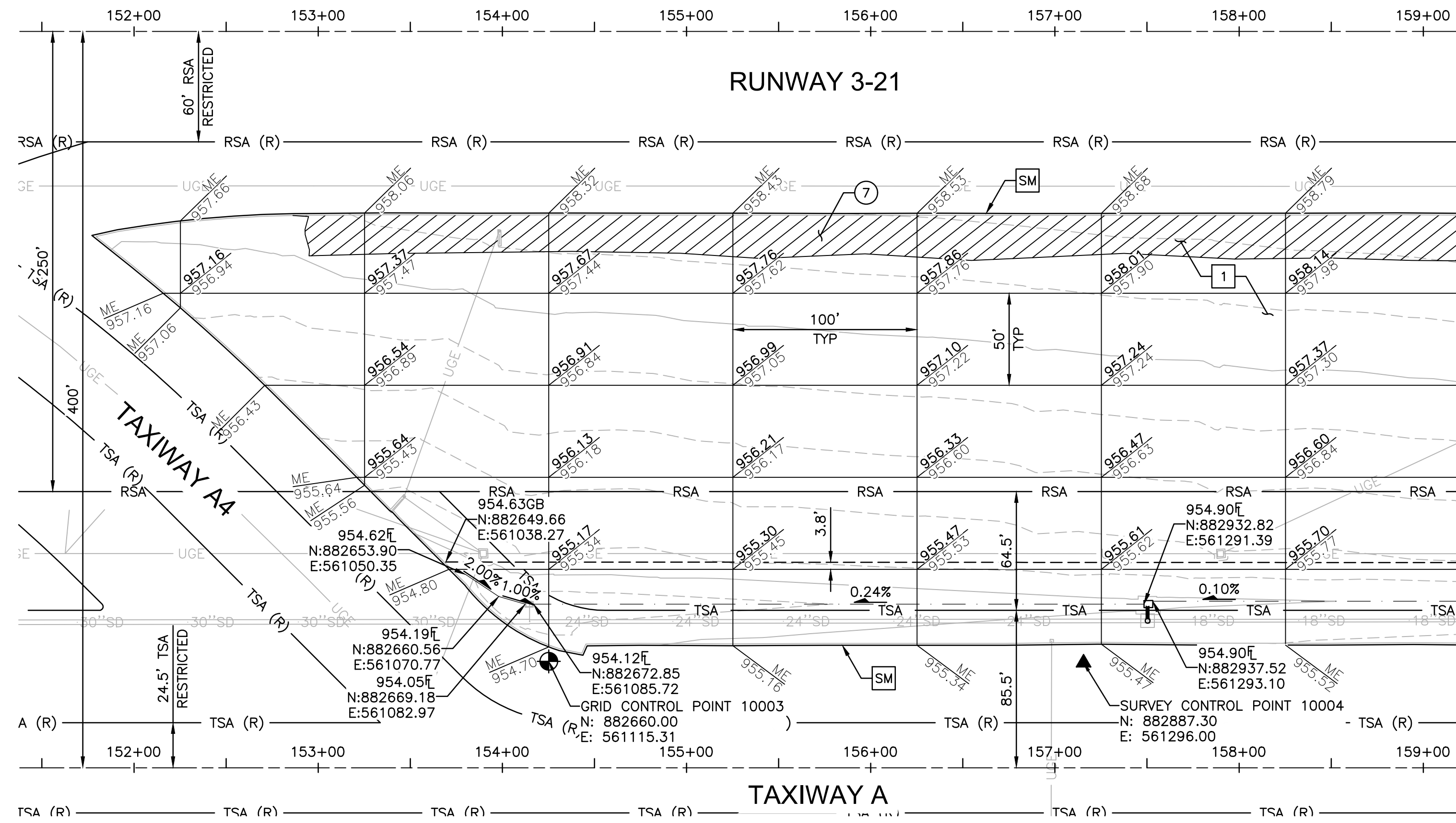
**INFIELD UTILITY ADJUSTMENTS
AND PAVING**

SHEET REFERENCE NUMBER:

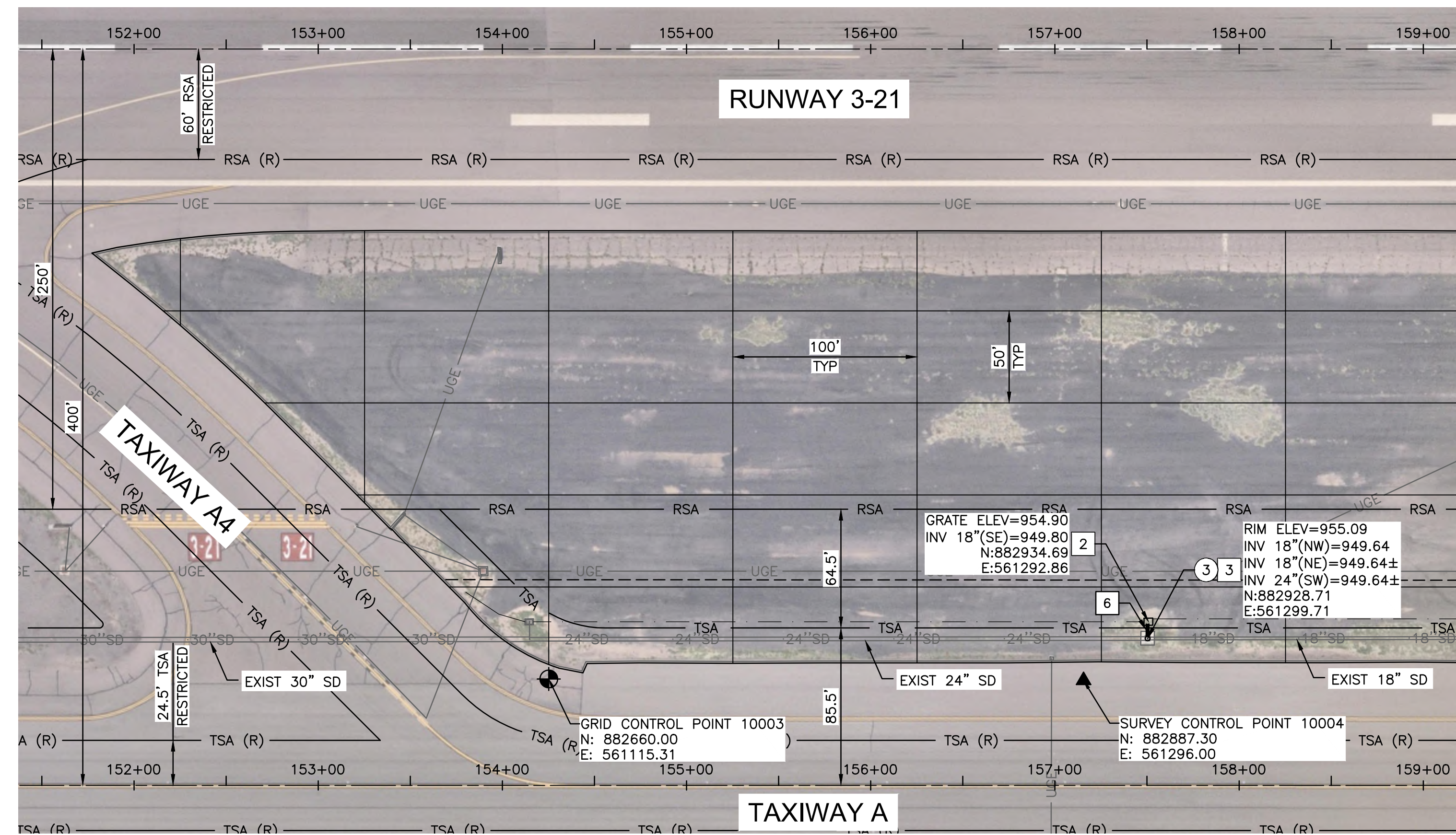
CG-102

SHEET 24 OF 33

N:\2022\220201 - GVR Infield Paving Phase I\Drawings_Av41000079 FAA-ADOT-CG-102.dwg - Feb. 14.2023 5:12pm



**INFIELD PAVING & GRADING
INFIELD AN3 (SOUTH)**



UTILITY ADJUSTMENTS

ADJUSTMENT & REMOVAL NOTES

ITEM	DESCRIPTION	QTY
③	REMOVE EXISTING CATCH BASIN	1 EA
⑦	REMOVE EXISTING ASPHALT PAVEMENT	1,550 SY

CONSTRUCTION NOTES

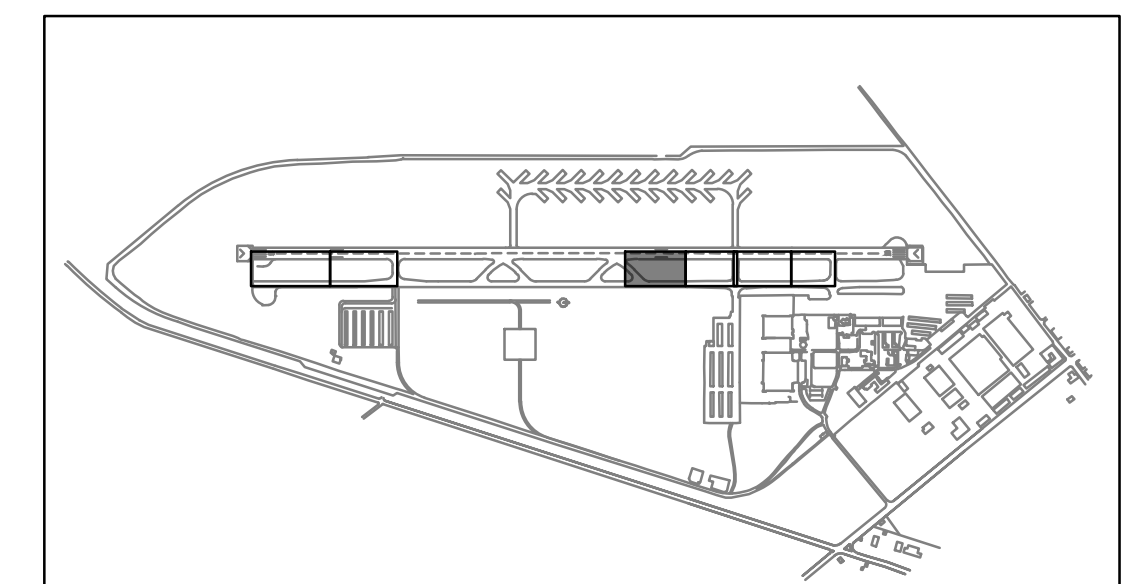
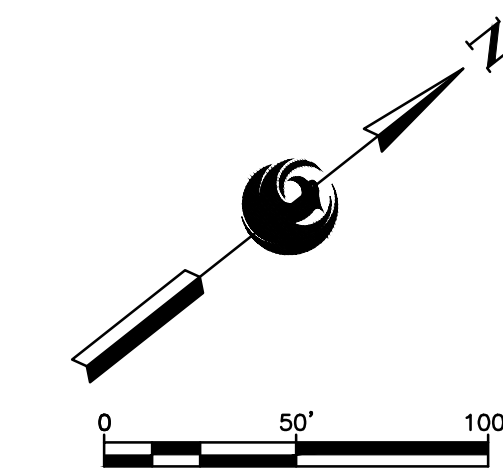
ITEM	DESCRIPTION	QTY
①	CONSTRUCT ASPHALT PAVEMENT PER STRUCTURAL SECTION NO. 1, SHEET CS-501	1,841 TON
②	CONSTRUCT NEW CONCRETE CATCH BASIN PER MAG STD DTL 535, PROVIDED FOR REFERENCE ON SHEET CS-503	1 EA
③	CONSTRUCT NEW SHALLOW MANHOLE PER MAG STD DTL 522, PROVIDED FOR REFERENCE ON SHEET CS-503	1 EA
⑥	INSTALL NEW 18" RGRCP, CLASS V	8 LF
SM	SAWCUT ASPHALT PAVEMENT (FULL DEPTH)	1,586 LF

REFERENCE NOTES

- ① SEE ELECTRICAL PLANS FOR SIGN BASE NOTES

GENERAL NOTES

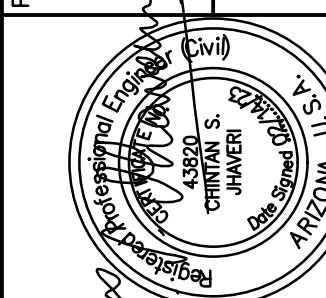
- RUNWAY AND TAXIWAY STATIONING SHOWN FOR REFERENCE ONLY.
- AERIAL PHOTOGRAPH SHOWN IS INTENDED TO PROVIDE CLARITY FOR VAULT LOCATING AND IS INTENDED TO BE USED FOR REFERENCE ONLY.
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KEY MAP

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2071 E. Johnson St. Suite 11 Phoenix, AZ 85034



NO	REVISIONS / SUBMISSIONS	DATE

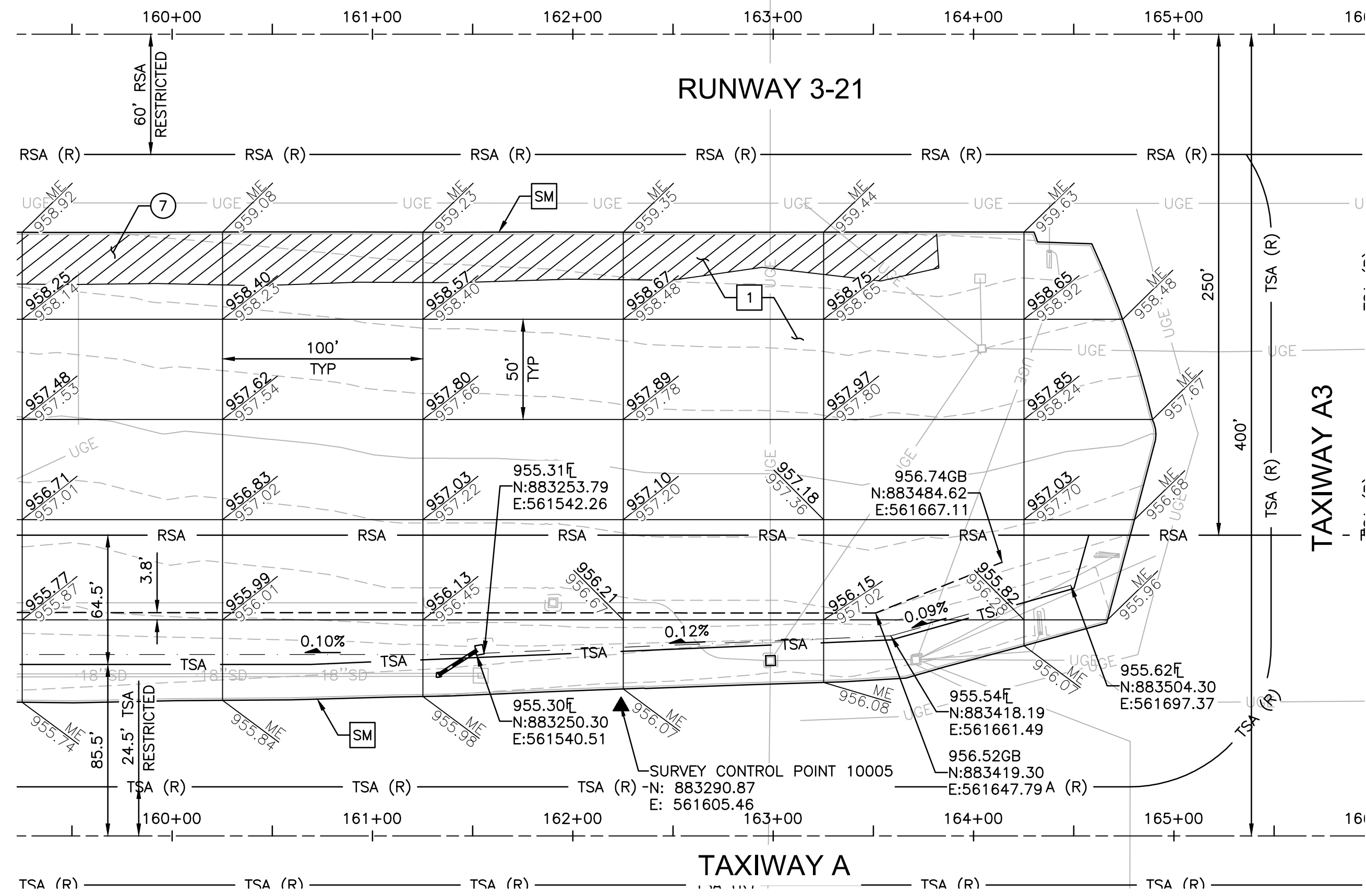
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CITY OF PHOENIX AVIATION DEPARTMENT
**GOODYEAR AIRPORT
INFIELD PAVING
PHASE I**
AV 41000079 FAA/ADOT
ADOT GRANT NO.: E2S1G.01C & E3S21.01C

Designed by: G. SHAW
Drawn by: A. SANTILLI
Checked by: C. JHAVERI
Date: 02/14/2023
Dwg. scale: 1"=50'

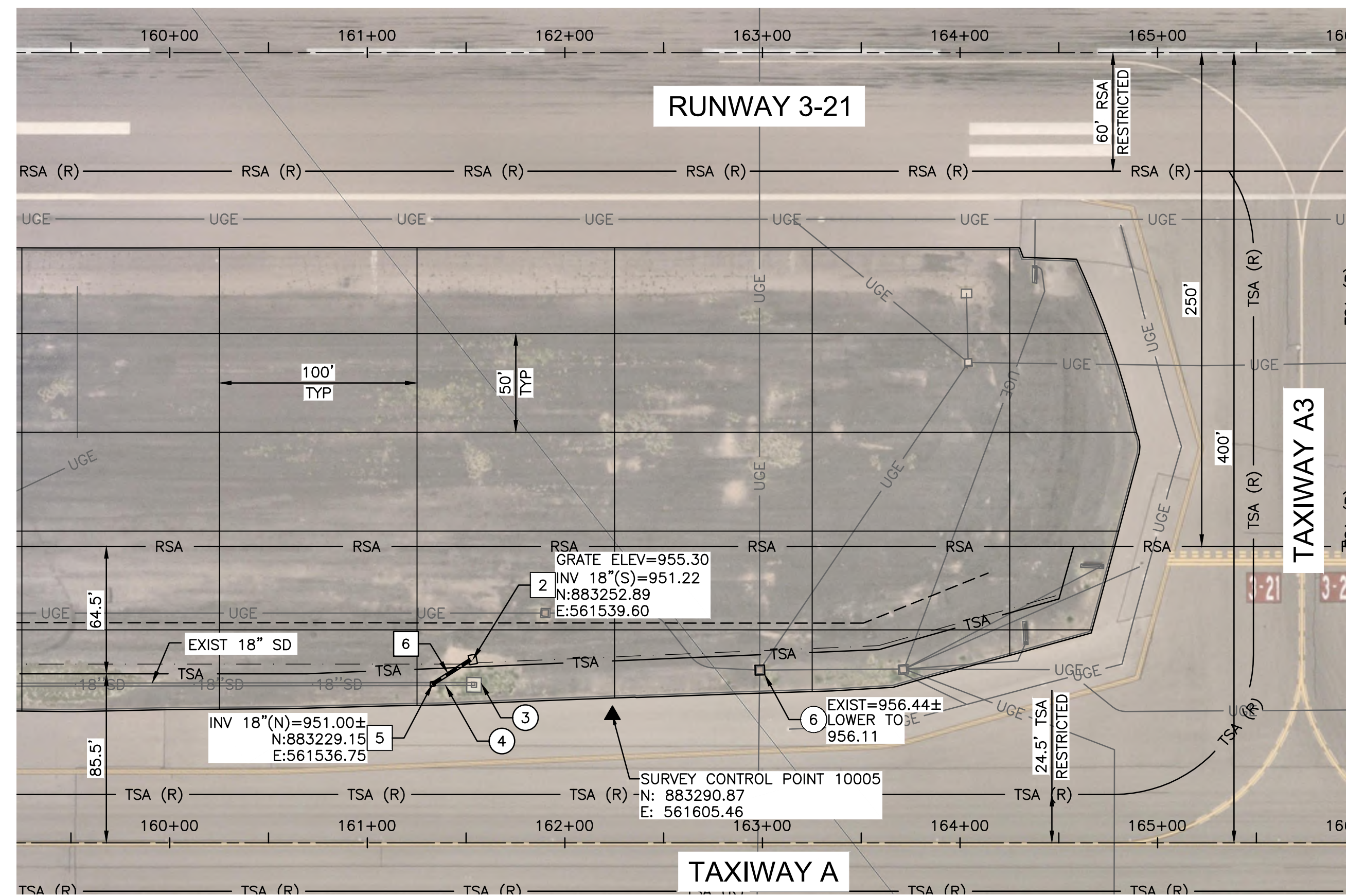
**INFIELD UTILITY ADJUSTMENTS
AND PAVING**

SHEET REFERENCE NUMBER:
CG-103
SHEET 25 OF 33

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**INFIELD PAVING & GRADING
INFIELD AN3 (NORTH)**



UTILITY ADJUSTMENTS

ADJUSTMENT & REMOVAL NOTES

ITEM	DESCRIPTION	QTY
③	REMOVE EXISTING CATCH BASIN	1 EA
④	REMOVE EXISTING 18" RGRCP	23 LF
⑥	LOWER EXISTING UTILITY VAULT PER DETAIL E, SHEET CS-502	1 EA
⑦	REMOVE EXISTING ASPHALT PAVEMENT	1,174 SY

CONSTRUCTION NOTES

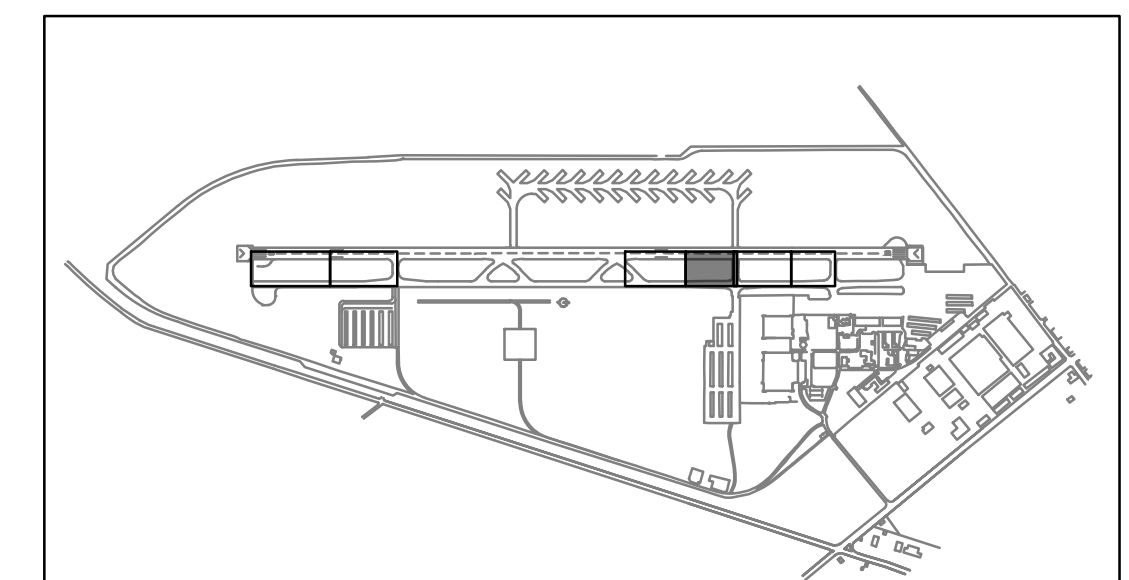
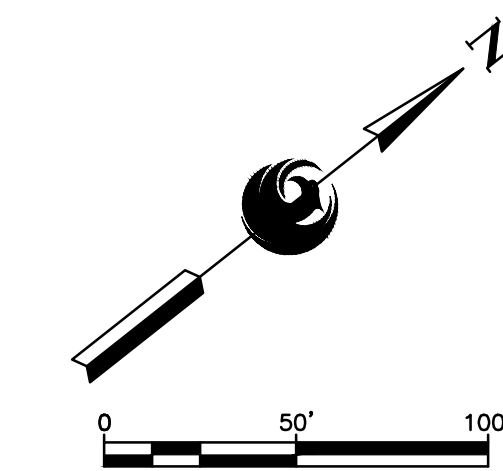
ITEM	DESCRIPTION	QTY
①	CONSTRUCT ASPHALT PAVEMENT PER STRUCTURAL SECTION NO. 1, SHEET CS-501	1,564 TON
②	CONSTRUCT NEW CONCRETE CATCH BASIN PER MAG STD DTL 535, PROVIDED FOR REFERENCE ON SHEET CS-503	1 EA
⑤	CONSTRUCT NEW 18" CONCRETE PIPE COLLAR PER MAG STD DTL 505 (PAID UNDER D-701), PROVIDED FOR REFERENCE ON SHEET CS-503	1 EA
⑥	INSTALL NEW 18" RGRCP, CLASS V	23 LF
SM	SAWCUT ASPHALT PAVEMENT (FULL DEPTH)	1,286 LF

REFERENCE NOTES

- ① SEE ELECTRICAL PLANS FOR SIGN BASE NOTES

GENERAL NOTES

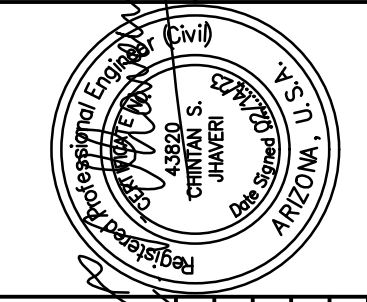
- RUNWAY AND TAXIWAY STATIONING SHOWN FOR REFERENCE ONLY.
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KEY MAP
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TRACE
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2071 E. Jefferson St. Suite 11 Phoenix, AZ 85026

PRIME CONSULTANT
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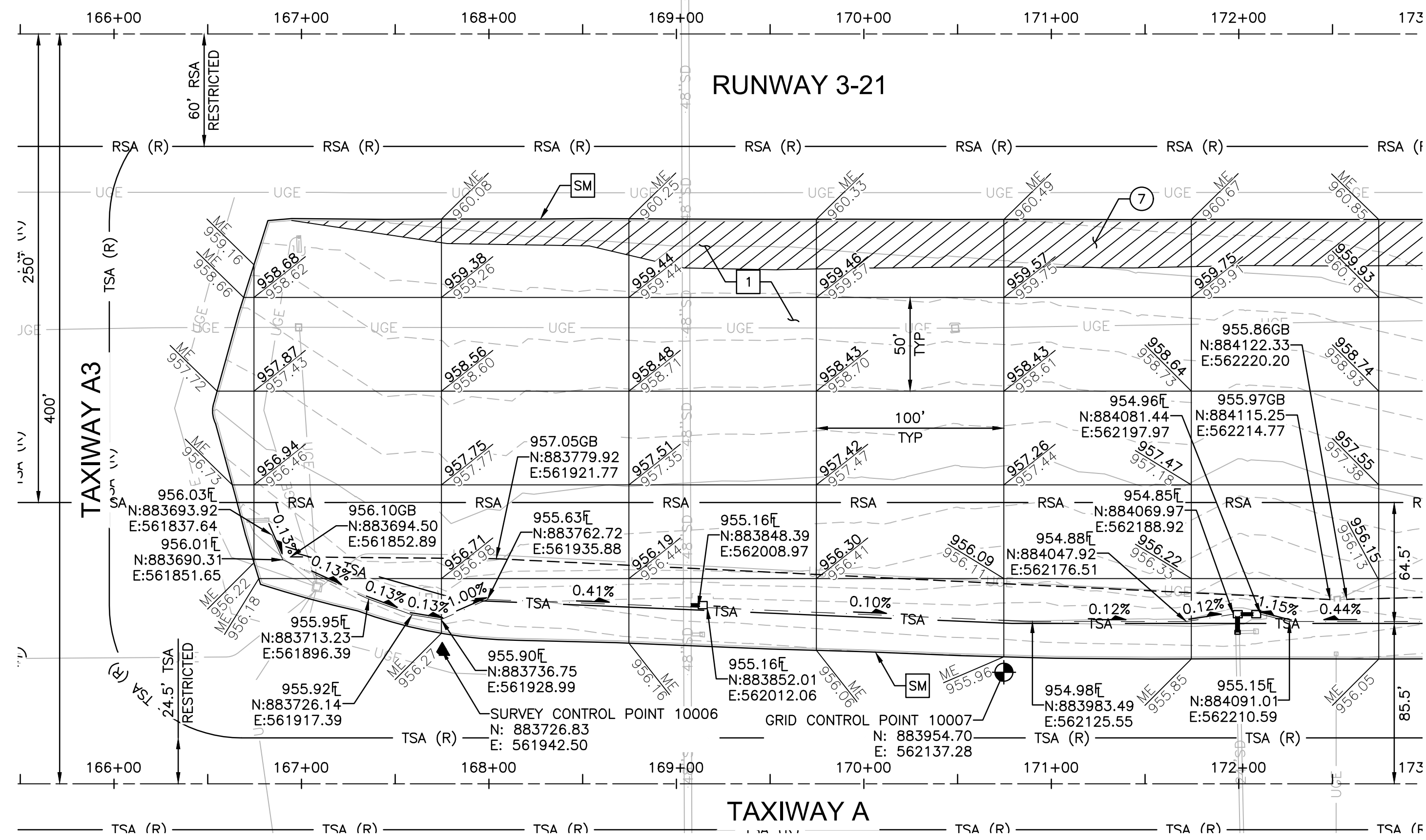
NO	REVISIONS / SUBMISSIONS	DATE

PHX WVI BYR
CITY OF PHOENIX AVIATION DEPARTMENT
**GOODYEAR AIRPORT
INFIELD PAVING
PHASE I**
AV 41000079 FAA/ADOT
ADOT GRANT NO.: E2S1G.01C & E3S21.01C

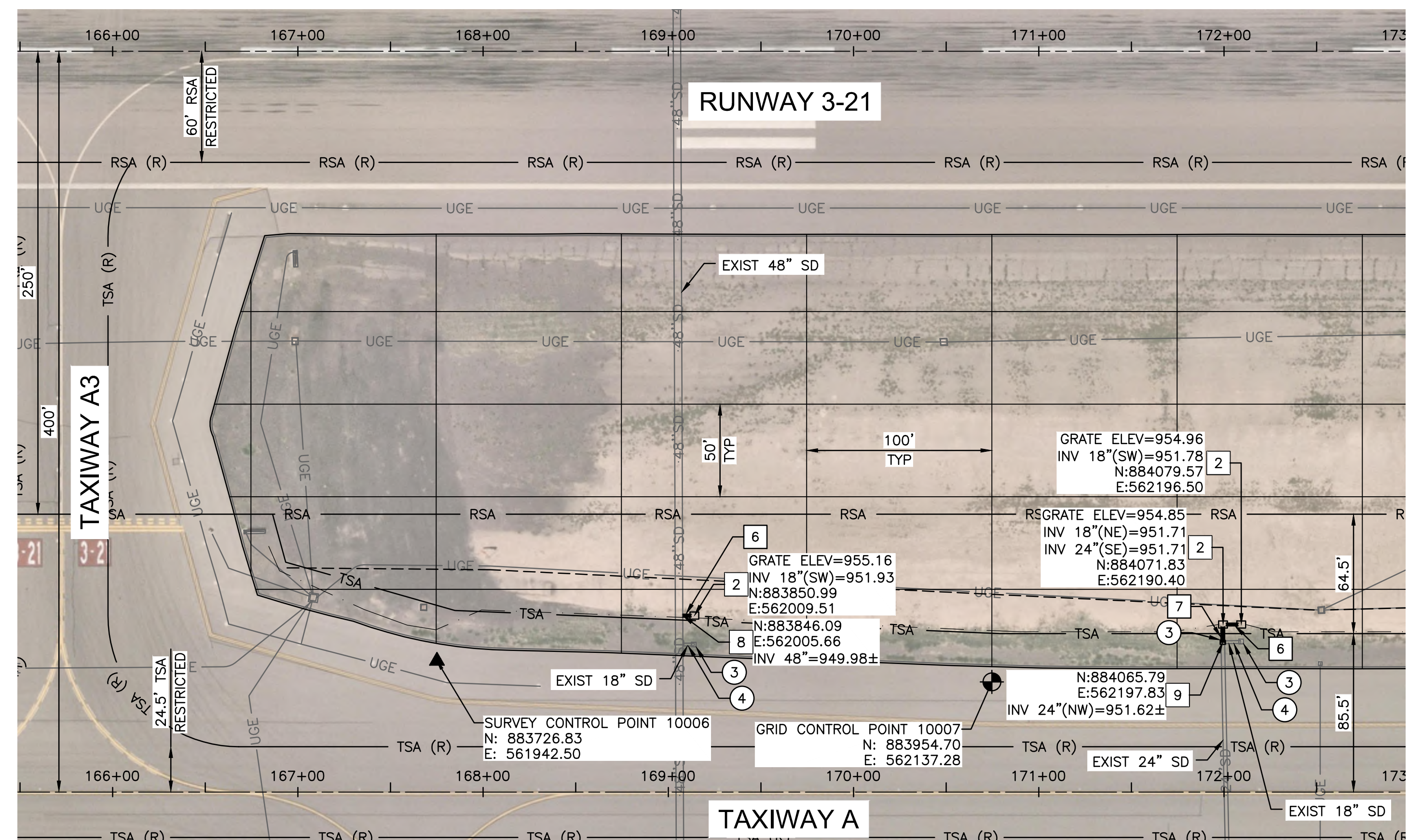
Designed by: G. SHAW
Drawn by: A. SANTILLI
Checked by: C. JHAVERI
Date: 02/14/2023
Dwg scale: 1"=50'

SHEET OVERVIEW TITLE
**INFIELD UTILITY ADJUSTMENTS
AND PAVING**

SHEET REFERENCE NUMBER:
CG-104
SHEET 26 OF 33



**INFIELD PAVING & GRADING
INFIELD AN2 (SOUTH)**



UTILITY ADJUSTMENTS

ADJUSTMENT & REMOVAL NOTES

ITEM	DESCRIPTION	QTY
③	REMOVE EXISTING CATCH BASIN	3 EA
④	REMOVE EXISTING 18" RGRCP	15 LF
⑦	REMOVE EXISTING ASPHALT PAVEMENT	1,345 SY

CONSTRUCTION NOTES

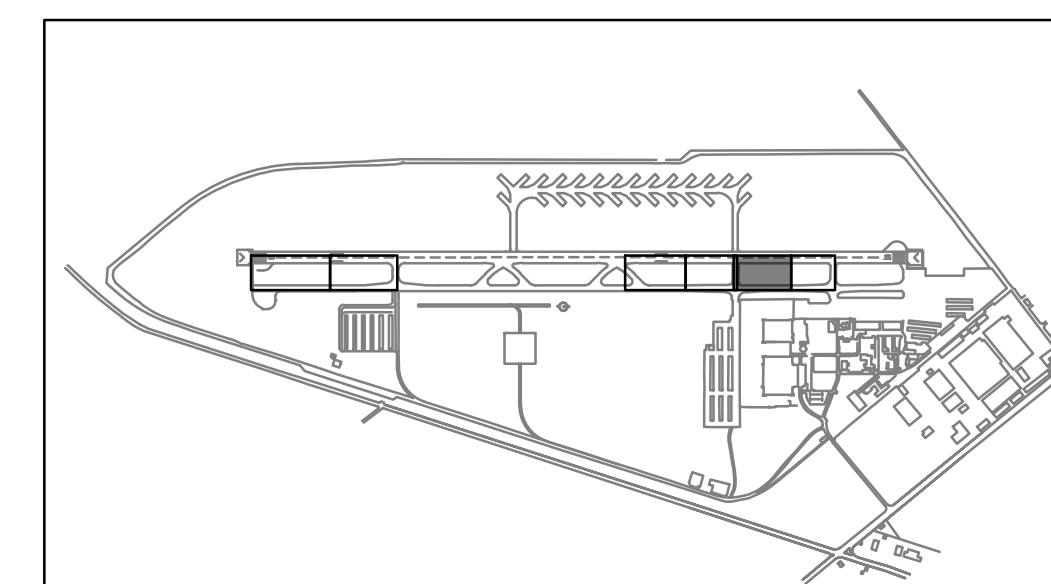
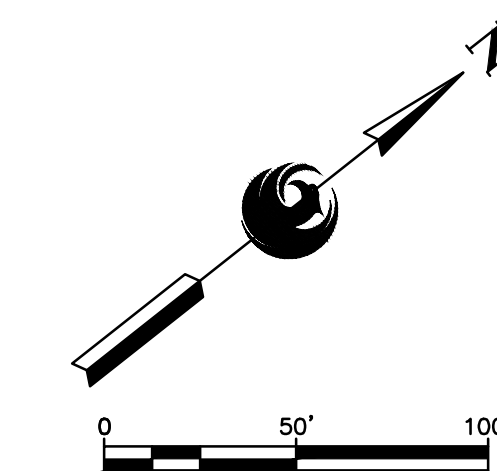
ITEM	DESCRIPTION	QTY
①	CONSTRUCT ASPHALT PAVEMENT PER STRUCTURAL SECTION NO. 1, SHEET CS-501	1,792 TON
②	CONSTRUCT NEW CONCRETE CATCH BASIN PER MAG STD DTL 535, PROVIDED FOR REFERENCE ON SHEET CS-503	3 EA
⑥	INSTALL NEW 18" RGRCP, CLASS V	11 LF
⑦	INSTALL NEW 24" RGRCP, CLASS V	9 LF
⑧	CONSTRUCT STORM DRAIN LATERAL PIPE CONNECTION PER MAG STD DTL 524, TYPE 1, PROVIDED FOR REFERENCE ON SHEET CS-503	NPI
⑨	CONSTRUCT NEW 24" CONCRETE PIPE COLLAR PER MAG STD DTL 505 (PAID UNDER D-701), PROVIDED FOR REFERENCE ON SHEET CS-503	1 EA
SM	SAWCUT ASPHALT PAVEMENT (FULL DEPTH)	1,442 LF

REFERENCE NOTES

- ① SEE ELECTRICAL PLANS FOR SIGN BASE NOTES

GENERAL NOTES

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- AERIAL PHOTOGRAPH SHOWN IS INTENDED TO PROVIDE CLARITY FOR VAULT LOCATING AND IS INTENDED TO BE USED FOR REFERENCE ONLY.
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KEY MAP

NTS

DESIGNED BY: G. SHAW
DRAWN BY: A. SANTILLI
CHECKED BY: C. JHAVERI
DATE: 02/14/2023
DWG SCALE: 1"=50'

PRIME CONSULTANT
TRACE CONSULTING
1071 E. WILLOW ST. SUITE 11 PHOENIX, AZ 85026

SUB CONSULTANT
PHX WY BYR
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**GOODYEAR AIRPORT
INFIELD PAVING
PHASE I**
AV 41000079 FAA/ADOT
ADOT GRANT NO.: E2S1G.01C & E3S21.01C

SHEET OVERVIEW TITLE

**INFIELD UTILITY ADJUSTMENTS
AND PAVING**

SHEET REFERENCE NUMBER:
CG-105

NO

REVISIONS / SUBMISSIONS

DATE

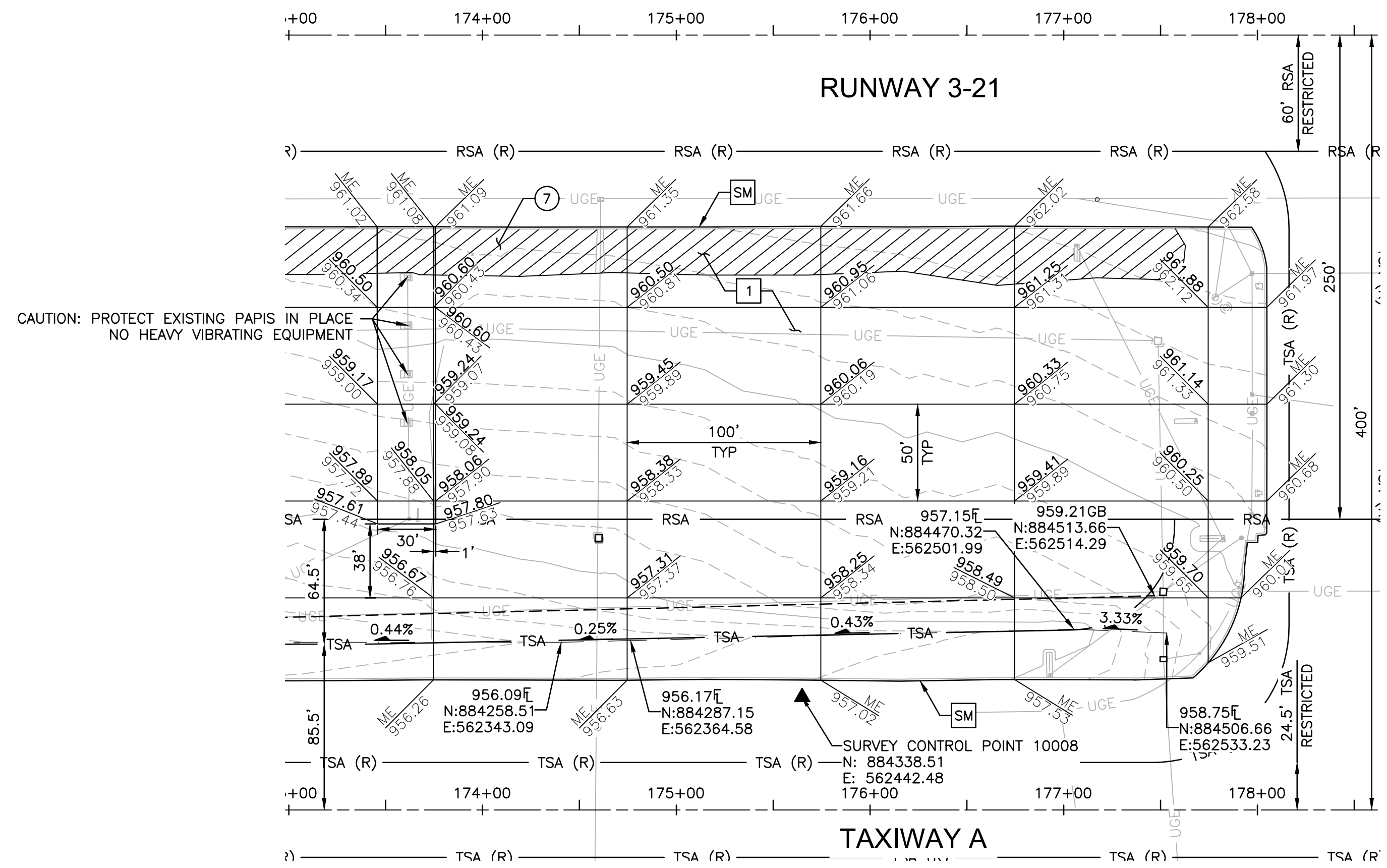
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REVISIONS / SUBMISSIONS

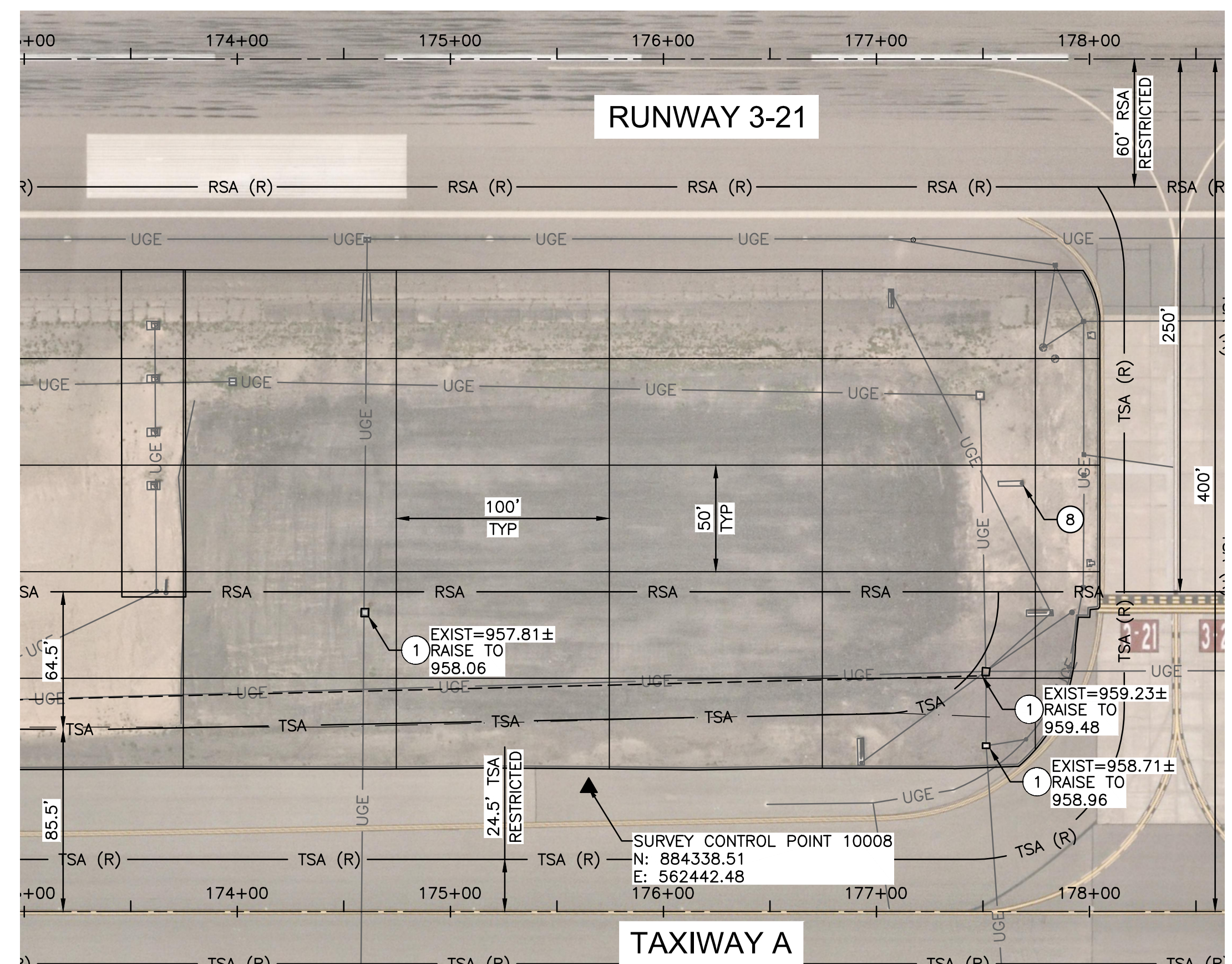
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**INFIELD PAVING & GRADING
INFIELD AN2 (NORTH)**



UTILITY ADJUSTMENTS

ADJUSTMENT & REMOVAL NOTES

ITEM	DESCRIPTION	QTY
①	RAISE EXISTING UTILITY VAULT PER DETAIL F, SHEET CS-502	3 EA
⑦	REMOVE EXISTING ASPHALT PAVEMENT	1,257 SY
⑧	REMOVE EXISTING ABANDONED CONCRETE AIRFIELD SIGN BASE	1 EA

CONSTRUCTION NOTES

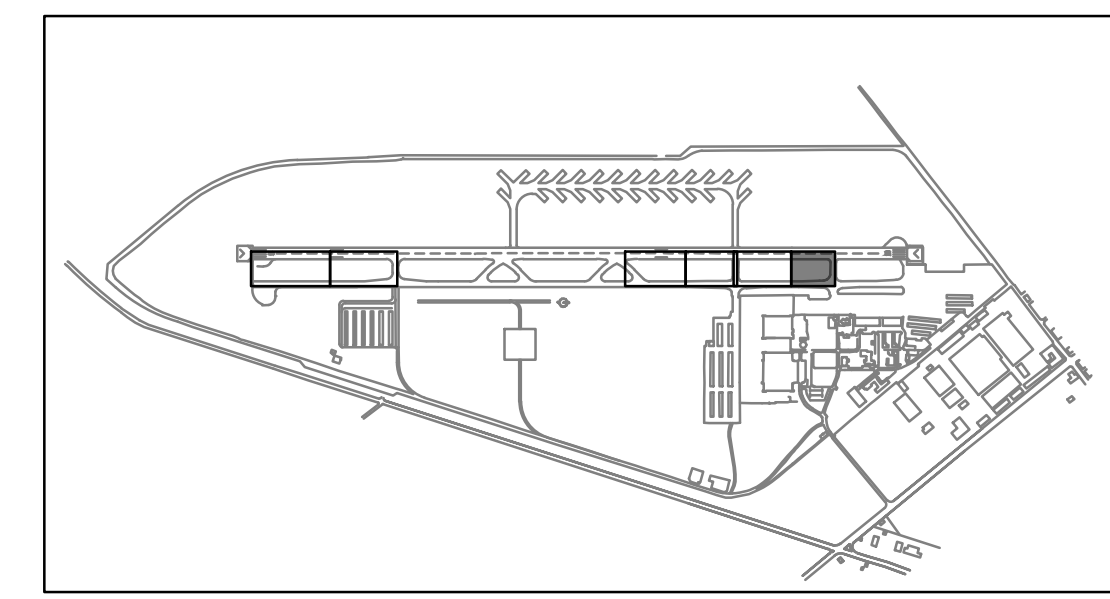
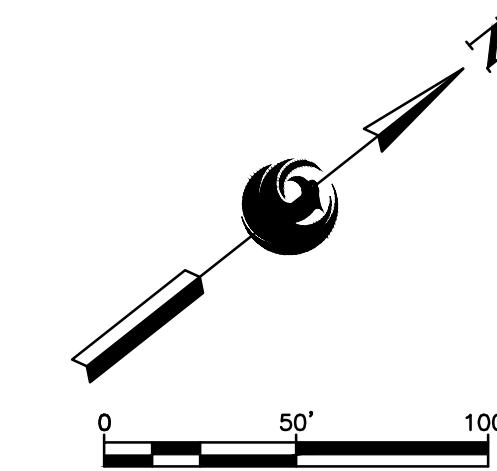
ITEM	DESCRIPTION	QTY
①	CONSTRUCT ASPHALT PAVEMENT PER STRUCTURAL SECTION NO. 1, SHEET CS-501	1,465 TON
SM	SAWCUT ASPHALT PAVEMENT (FULL DEPTH)	1,219 LF

REFERENCE NOTES

- ① SEE ELECTRICAL PLANS FOR SIGN BASE NOTES

GENERAL NOTES

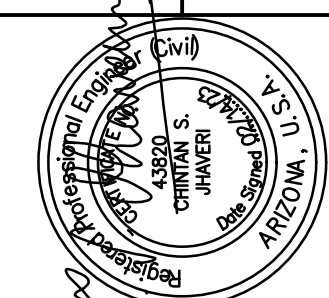
- RUNWAY AND TAXIWAY STATIONING SHOWN FOR REFERENCE ONLY.
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KEY MAP
NTS

TRACE CONSULTING
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PRIME CONSULTANT
SUB CONSULTANT



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NO	REVISIONS / SUBMISSIONS	DATE

PHX BYR
CITY OF PHOENIX AVIATION DEPARTMENT
**GOODYEAR AIRPORT
INFIELD PAVING
PHASE I**
AV 41000079 FAA/ADOT
ADOT GRANT NO.: E2S1G.01C & E3S21.01C

Designed by: G. SHAW
Drawn by: A. SANTILLI
Checked by: C. JHAWERI
Date: 02/14/2023
Dwg. scale: 1"=50'

SHEET OVERVIEW TITLE
**INFIELD UTILITY ADJUSTMENTS
AND PAVING**

SHEET REFERENCE NUMBER:
CG-106
SHEET 28 OF 33

ELECTRICAL ABBREVIATIONS:

BCC	BARE COPPER CONDUCTOR
CE	CONCRETE ENCASED
CKT	CIRCUIT
FAA	FEDERAL AVIATION ADMINISTRATION
HH	HANDHOLE
ID	INNER DIAMETER OR IDENTIFICATION
LED	LIGHT EMITTING DIODE
LF	LINEAR FEET
PAPI	PRECISION APPROACH PATH INDICATOR
PVC	POLY-VINYL CHLORIDE
RGL	RUNWAY GUARD LIGHT
SE	SLURRY ENCASED
SGN	SIGN
TYP	TYPICAL

ELECTRICAL DEMOLITION GENERAL NOTES

- WITHIN AREAS OF DEMOLITION AND AS OTHERWISE SHOWN, REMOVE IDENTIFIED SIGN BASES, ISOLATION TRANSFORMERS AND OTHER INDICATED ITEMS.
- CABLE REMOVAL**
 - DIRECT BURIAL:** REMOVE FROM WITHIN MANHOLES AND HANDHOLES AND REMOVE IN AREAS WHERE EXCAVATION REQUIRES DISTURBING, ABANDON ELSEWHERE.
 - IN CONDUIT:** REMOVE COMPLETELY BETWEEN NEAREST BASES, HANDHOLES OR MANHOLES.
- AT INDICATED DEVICES TO BE REMOVED OR IN DEMOLITION AREAS INDICATED, REMOVE ALL CONDUCTORS BACK TO NEAREST MANHOLE OR HANDHOLE OUTSIDE DEMOLITION AREA.
- SIGNS AND/OR SIGN BASES, CABLES, CONDUITS, DUCTS, ETC. WHICH ARE NOT SPECIFICALLY INDICATED TO BE REMOVED (OR WHICH ARE SHOWN TO REMAIN WITHIN AREAS OF GENERAL DEMOLITION) SHALL REMAIN IN-PLACE AND FUNCTIONAL.
- CONTRACTOR SHALL VERIFY EQUIPMENT AND CABLE DESIGNATIONS AND STATUS PRIOR TO REMOVAL OR DISCONNECTING.
- UNLESS OTHERWISE NOTED, ALL REMOVED MATERIAL SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE AND DISPOSED OF IN ACCORDANCE WITH APPLICABLE LOCAL ORDINANCES.
- DRAWINGS MAY NOT DETAIL ALL EXISTING FACILITIES IN AREAS OF DEMOLITION. CONTRACTOR SHALL REVIEW THE SITE AND RECORD DRAWINGS TO VERIFY THE DEMOLITION EFFORT INVOLVED.
- EXISTING SIGNS MUST REMAIN OPERATIONAL DURING CONSTRUCTION. TEMPORARY CONNECTIONS TO EXISTING SIGNS REQUIRED DURING RELOCATION. TEMPORARY MOUNTING OF EXISTING SIGNS REQUIRED WHERE NEW LOCATION CONFLICTS WITH EXISTING LOCATION.

ADVISORY CIRCULARS FOR AIRPORT PROJECTS (MOST RECENT VERSION):

150/5340-18	STANDARDS FOR AIRPORT SIGN SYSTEMS
150/5340-30	DESIGN & INSTALLATION DETAILS FOR AIRPORT VISUAL AIDS
150/5345-7	SPECIFICATION FOR L-824 UNDERGROUND ELECTRICAL CABLE FOR AIRPORT LIGHTING CIRCUITS
150/5345-26	SPECIFICATION FOR L-823 PLUG AND RECEPTACLE, CABLE CONNECTORS
150/5345-42	SPECIFICATION FOR AIRPORT LIGHT BASES, TRANSFORMER HOUSINGS, JUNCTION BOXES, AND ACCESSORIES
150/5345-44	SPECIFICATION FOR RUNWAY AND TAXIWAY SIGNS
150/5345-47	SPECIFICATION FOR SERIES TO SERIES ISOLATION TRANSFORMERS FOR AIRPORT LIGHTING SYSTEMS
150/5345-53	AIRPORT LIGHTING EQUIPMENT CERTIFICATION PROGRAM
150/5370-2	OPERATIONAL SAFETY ON AIRPORTS DURING CONSTRUCTION
150/5370-10	STANDARDS FOR SPECIFYING CONSTRUCTION OF AIRPORTS
ADDENDUM	AIRPORT LIGHTING EQUIPMENT CERTIFICATION PROGRAM (PUBLISHED MONTHLY AND LISTING APPROVED SUPPLIERS)

ELECTRICAL LEGEND:

(UNLESS OTHERWISE NOTED ON PLANS)

- UGE — UGE — PVC W/#8-5KV L-824 TYPE "C" CABLE PER INDICATED LIGHTING CIRCUIT (QUANTITY AND SIZE AS INDICATED ON PLAN SHEETS)
- UGE — UGE — EXISTING ELECTRICAL CONDUIT AND CONDUCTOR
- ⓪ EXISTING RUNWAY LIGHT
- ⓐ EXISTING TAXIWAY EDGE LIGHT
- Ⓛ EXISTING AIRFIELD GUIDANCE SIGN
- EXISTING ELECTRICAL HANDHOLE

ELECTRICAL SHEET INDEX

EA-001	ELECTRICAL LEGEND AND NOTES
EA-101	PARTIAL AIRFIELD ELECTRICAL SITE PLAN
EA-102	PARTIAL AIRFIELD ELECTRICAL SITE PLAN
EA-501	DUCTBANK DETAILS
EA-502	5KV CABLE SPLICE AND GROUNDING DETAILS

AIRFIELD LIGHT LOCKOUT/TAGOUT POLICY

THE PURPOSE OF THIS POLICY IS TO STANDARDIZE THE LOCKOUT/TAGOUT PROCEDURES BETWEEN ELECTRICAL CONTRACTORS, GOODYEAR AIRPORT ELECTRICIANS, OPERATIONS AND AIR TRAFFIC CONTROL TOWER (ATCT).

- GOODYEAR ELECTRICIANS RESPONDING TO A LOCK-OUT/TAG-OUT REQUEST WILL COORDINATE WITH THE ATCT THROUGH OPERATIONS.
- AFTER OPERATIONS NOTIFIES ELECTRICIANS OF CLOSURES, THE GOODYEAR ELECTRICIANS WILL TURN OFF THE CLOSED RUNWAYS/TAXIWAYS USING THE AIRFIELD COMPUTER SYSTEM.
- THE CONTRACTOR WILL SUPPLY AN APPROVED BREAKER-LOCKING DEVICE AND LOCK, THEN LOCK OFF THE INDIVIDUAL BREAKERS FOR THE CIRCUITS TO BE LOCKED OUT. THESE ITEMS WILL REMAIN IN THE VAULTS IN A LOCK BOX PROVIDED BY GOODYEAR ELECTRICAL SECTION.
- GOODYEAR ELECTRIC SECTION WILL LOCK THE PANEL DOORS SHUT WITH A HASP AND AN ELECTRICAL SECTION LOCK.
- THE S-1 CUTOUPS WILL BE PULLED, LOCKED AND PLACED ON THE CORRESPONDING REGULATOR BY THE ELECTRICAL CONTRACTOR.
- THE ELECTRICAL CONTRACTOR AND GOODYEAR ELECTRICIANS MUST FILL OUT LOCK-OUT FORMS BEFORE LEAVING THE VAULT.
- UPON COMPLETION OF THE LOCKOUT, THE CONTRACTOR WILL REMOVE ALL LOCKS AND INSTALL THE S-1 CUTOUPS. ALL CIRCUITS MUST BE VERIFIED OPERATIONAL IN THE MANUAL MODE ON THE REGULATOR. OPERATIONS WILL PERFORM A COMPLETE CHECK OF THE LIGHTS IN THE FIELD, TO VERIFY ACTUAL OPERATION.
- WHEN THAT HAS BEEN COMPLETED, GOODYEAR ELECTRICIANS WILL NOTIFY OPERATIONS WHEN LOCK-IN IS COMPLETE AND REGULATORS ARE IN REMOTE CONTROL; OPERATIONS WILL NOTIFY THE ATCT THAT THEY HAVE CONTROL OF THE AIRFIELD LIGHTING.
- COMPLETE LOCK-OUT/LOCK-IN FORMS.

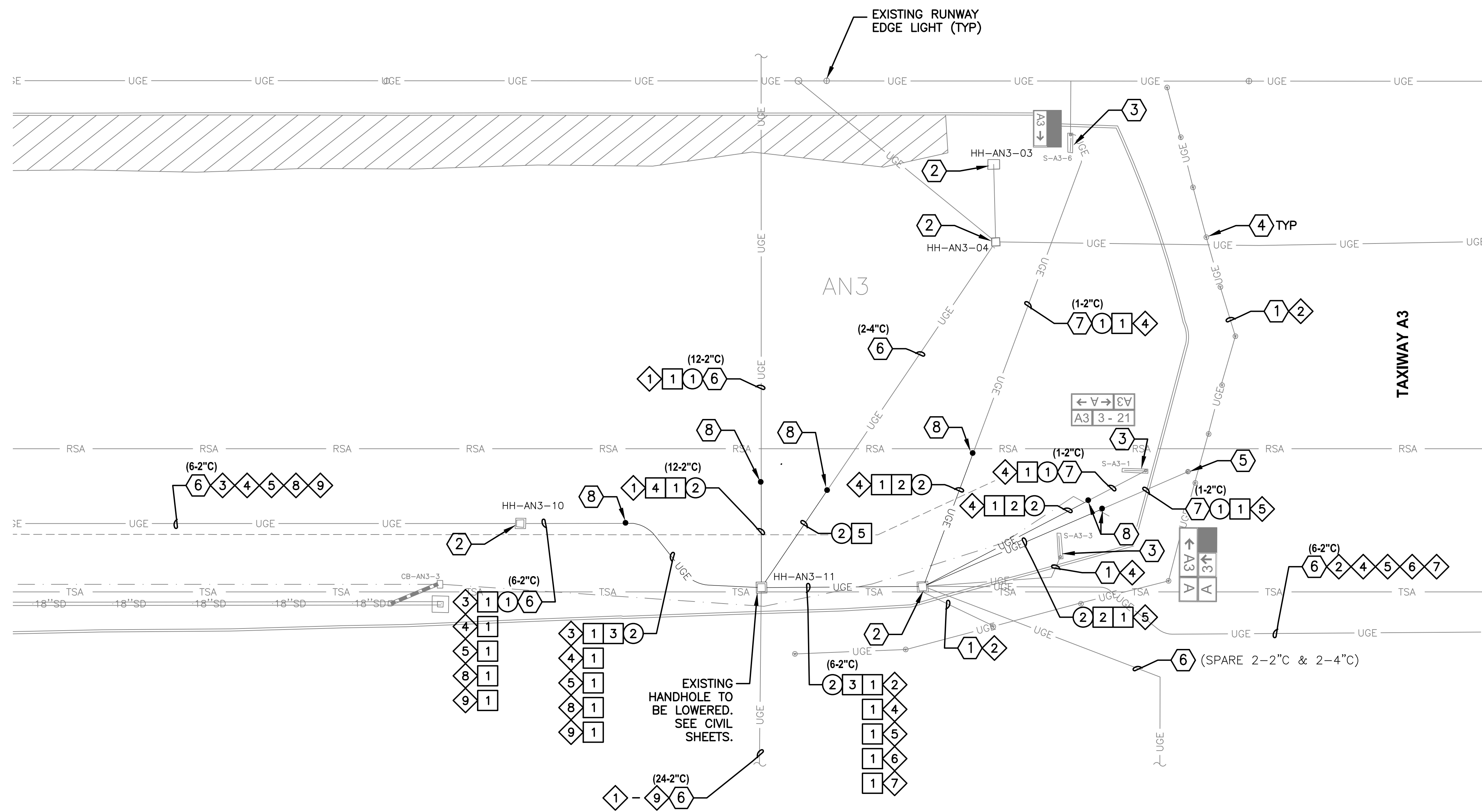
*THIS PROCEDURAL CHECKLIST MUST BE FOLLOWED TO THE LETTER.

ELECTRICAL CONSTRUCTION PHASING NOTES

- CONTRACTOR SHALL COORDINATE ALL WORK WITH AIRPORT MAINTENANCE, AIRPORT OPERATIONS, AND THE ENGINEER AS NECESSARY.
- CONTRACTOR SHALL GIVE 48 HOURS NOTICE PRIOR TO WORKING ON OR AROUND ANY DUCTBANKS, HANDHOLES, ETC.
- CONTRACTOR SHALL MAINTAIN OR HAVE SUFFICIENT MATERIAL/EQUIPMENT REQUIRED TO PROVIDE TEMPORARY LIGHTING AND CIRCUIT EXTENSIONS. THIS INCLUDES, BUT IS NOT LIMITED TO FIXTURES, TRANSFORMERS, BASES, CONDUIT, L-824 CABLE & L-823 SPLICE KITS. THESE ITEMS WILL NOT BE AVAILABLE FROM GOODYEAR AIRPORT MAINTENANCE SHOP.
- THE CONTRACTOR SHALL MAINTAIN QUALIFIED PERSONNEL WITH THE APPROPRIATE EQUIPMENT, FOR THE INSTALLATION AND SPLICING OF AIRFIELD LIGHTING. SUCH PERSONNEL SHALL BE CAPABLE OF 60 MINUTE RESPONSE TIME IF THEY ARE NOT ALREADY PRESENT ON THE AIRFIELD.
- TURN OFF AND COVER EXISTING SIGNAGE THAT MAY POTENTIALLY MISDIRECT AIRCRAFT MOVEMENT INTO CLOSED AREAS BARRICADED FOR CONSTRUCTION. SIGNAGE REQUIRING PARTIAL COVERAGE WITH TAXIWAY LOCATION PANELS REMAINING VISIBLE SHALL REMAIN ON WITH ONLY DIRECTIONAL PORTIONS COVERED WITH SECTIONS OF DARK COLORED TARP OR DOUBLE-LAYERED BURLAP THAT DOES NOT PERMIT VISIBILITY OF COVERED PORTION OF ARRAY DAY OR NIGHT. COVERS SHALL BE SECURELY HELD IN PLACE BY RATCHETING LASHING STRAPS, NO TAPE OR ADHESIVES WILL BE PERMITTED. SEE PHASING PLANS FOR PLACEMENT OF SIGN COVERS.
- COVER EXISTING ELEVATED EDGE LIGHT FIXTURES IN CLOSED AREA BARRICADED FOR CONSTRUCTION WITH 4" PVC PIPE. COVER SHALL EXTEND 2" MIN. ABOVE TOP OF FIXTURE.
- PROVIDE ANY TEMPORARY AIRFIELD CIRCUIT JUMPERS REQUIRED TO MAINTAIN OPERATION OF ALL CIRCUITS AFFECTED BY CONSTRUCTION PRIOR TO START OF DEMOLITION. TEMPORARY CIRCUIT JUMPERS SHALL BE SLEEVED IN 2" CONDUIT, SANDBAGGED OR SECURED TO LOW-LEVEL BARRICADES. TEMPORARY CIRCUIT JUMPERS MAY BE ROUTED THROUGH NEW TAXIWAY CROSSINGS OR EXISTING SPARE CONDUITS AS REQUIRED AND SHALL BE COMPLETELY REMOVED WHEN NO LONGER REQUIRED FOR OPERATION. TEMPORARY JUMPER PLACEMENT SHALL NOT AFFECT AIRCRAFT MOVEMENT OR AIRPORT OPERATIONS.
- UNCOVER SIGNS AND EDGE LIGHT FIXTURES, REMOVE TEMPORARY JUMPERS, AND VERIFY OPERATION AT THE END OF PROJECT.

			<p>PRIME CONSULTANT</p>	<p>SUB CONSULTANT</p>	<p>16719 East Palisades Blvd., Suite 202 Fountain Hills, AZ 85268 Phone: (480) 816-5541 Fax: (480) 816-5540 www.creng.com</p>
<p>PER CITY OF PHOENIX CITY CODE CHAPTER 2, SECTION 2-28, THESE PLANS ARE FOR OFFICIAL USE ONLY AND MAY NOT BE SHARED WITH OTHERS EXCEPT AS REQUIRED TO FULFILL THE OBLIGATIONS OF CONTRACTOR'S CONTRACT WITH THE CITY OF PHOENIX.</p>					
<p>PHX CITY OF PHOENIX AVIATION DEPARTMENT GOODYEAR AIRPORT INFIELD PAVING PHASE I AV 41000079 FAA/ADOT ADOT GRANT NO.: E2S1G 01C & E3S21 01C</p>					
<p>Designed by: SW</p>	<p>Drawn by: JBW</p>	<p>Checked by: CA</p>	<p>Date: 01/13/23</p>	<p>Dwg. scale: NTS</p>	<p>NO REVISIONS / SUBMISSIONS</p>
<p>ELECTRICAL LEGEND AND NOTES</p>					
<p>SHEET REFERENCE NUMBER: EA-001</p>					
<p>SHEET 29 OF 33</p>					

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CIRCUIT IDENTIFICATION

ITEM	DESCRIPTION
①	CKT RW (RUNWAY)
②	CKT TWN (TAXIWAY A NORTH)
③	CKT TWS (TAXIWAY A SOUTH)
④	CKT SG (SIGNS)
⑤	CKT RGL (RUNWAY GUARD LIGHTS)
⑥	CKT PPN (PAPI NORTH 480V)
⑦	CKT RLN (REIL NORTH 480V)
⑧	CKT PPS (PAPI SOUTH 480V)
⑨	CKT RLS (REIL SOUTH 480V)

ADJUSTMENT & REMOVAL NOTES

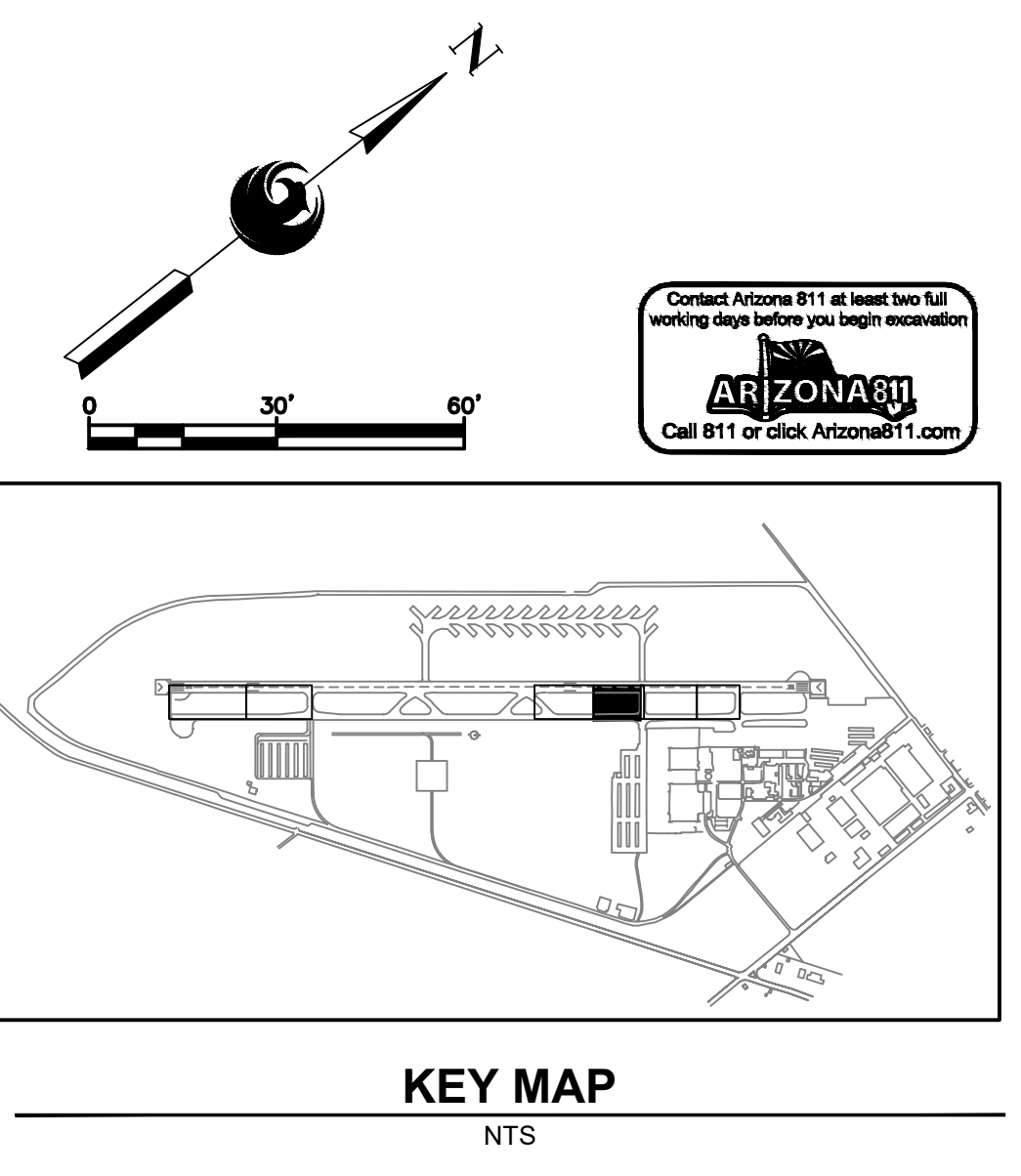
ITEM	DESCRIPTION	QTY
①	REMOVE EXISTING CABLE BACK TO NEAREST HANDHOLE/SIGN BASE/RGL AND RECONNECT IN STRUCTURE TO MAINTAIN CIRCUIT.	1870 LF
②	EXCAVATE AND REMOVE EXISTING SECTION OF DUCTBANK OR CONDUIT AS REQUIRED TO MAINTAIN 18" MINIMUM DEPTH TO TOP OF CONDUIT OR DUCTBANK.	485 LF

CONSTRUCTION NOTES

ITEM	DESCRIPTION	QTY
1	NEW 2/C, #8, L-824 TYPE C AIRFIELD LIGHTING CABLE WITH #6 GROUND	2260 LF
2	NEW 1-2"C SE (IF REQUIRED FOR UTILITY RELOCATION)	240 LF
3	NEW 6-2"C SE (IF REQUIRED FOR UTILITY RELOCATION)	150 LF
4	NEW 12-2"C SE (IF REQUIRED FOR UTILITY RELOCATION)	45 LF
5	NEW 2-4"C SE (IF REQUIRED FOR UTILITY RELOCATION)	50 LF

REFERENCE NOTES

- ① EXISTING CONDUIT AND CONDUCTOR - PROTECT IN PLACE
- ② EXISTING HANDHOLE - PROTECT IN PLACE
- ③ EXISTING AIRFIELD GUIDANCE SIGN - PROTECT IN PLACE
- ④ EXISTING TAXIWAY EDGE LIGHT - PROTECT IN PLACE
- ⑤ EXISTING RUNWAY GUARD LIGHT - PROTECT IN PLACE
- ⑥ EXISTING DUCTBANK
- ⑦ EXISTING CONDUIT
- ⑧ SPLICE POINT OF CONDUIT/DUCTBANK AND COUNTERPOISE



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 www.tracereng.com

PROFESSIONAL ENGINEER LICENSE
 REGISTERED PROFESSIONAL ENGINEER
 36696 CATHERINE ALCONR
 State of Arizona
 License No. 13,115,153
 Date of Issue: 03/14/2013
 Date of Renewal: 03/14/2023

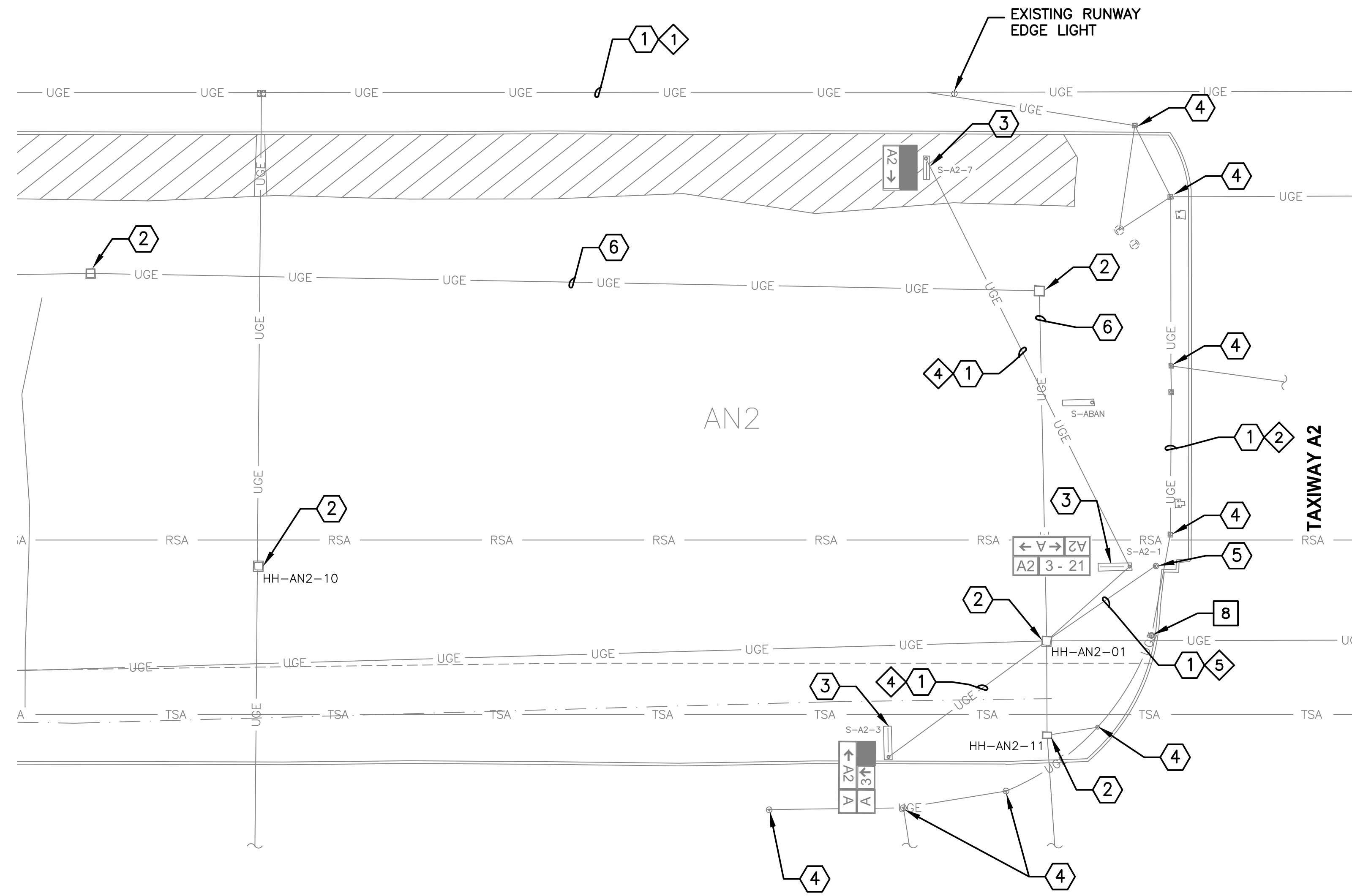
NO.	REVISIONS / SUBMISSIONS	DATE

PHX BYB
 CITY OF PHOENIX AVIATION DEPARTMENT
 GOODYEAR AIRPORT
 INFIELD PAVING
 PHASE I
 AV 41000079 FAA/ADOT
 ADOT GRANT NO.: E2S1G 01C & E3S21 01C

Designed by: SW
 Drawn by: JBW
 Checked by: CA
 Date: 01/13/23
 Dwg. scale: 1"=30'

SHEET OVERVIEW TITLE
PARTIAL AIRFIELD ELECTRICAL SITE PLAN
 SHEET REFERENCE NUMBER:
EA-101
 SHEET 30 OF 33

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CONSTRUCTION NOTES

ITEM	DESCRIPTION	QTY
8	NEW THREE (3) INCH L-867B BASE CAN EXTENSION ON EXISTING LIGHT BASE AS REQUIRED FOR ELEVATION ADJUSTMENT	1 EA

REFERENCE NOTES

ITEM	DESCRIPTION
1	EXISTING CONDUIT AND CONDUCTOR - PROTECT IN PLACE
2	EXISTING HANDHOLE - PROTECT IN PLACE
3	EXISTING AIRFIELD GUIDANCE SIGN - PROTECT IN PLACE
4	EXISTING TAXIWAY EDGE LIGHT - PROTECT IN PLACE
5	EXISTING RUNWAY GUARD LIGHT - PROTECT IN PLACE
6	EXISTING DUCTBANK
7	EXISTING CONDUIT

CIRCUIT IDENTIFICATION

ITEM	DESCRIPTION
1	CKT RW (RUNWAY)
2	CKT TWN (TAXIWAY A NORTH)
4	CKT SG (SIGNS)
5	CKT RGL (RUNWAY GUARD LIGHTS)

0 30' 60'

Contact Arizona 911 at least two full working days before you begin excavation
ARIZONA911
 Call 911 or click Arizona911.com

KEY MAP
NTS

TRAGE CONSULTING
 1071 E. Jefferson St. Suite 31 Phoenix, AZ 85004
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CR engineers

PRIME CONSULTANT
 SUB CONSULTANT

REGISTERED PROFESSIONAL ENGINEER
 36696 CATHERINE ALCONR
 State Expires 12/31/2025

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NO	REVISIONS / SUBMISSIONS	DATE

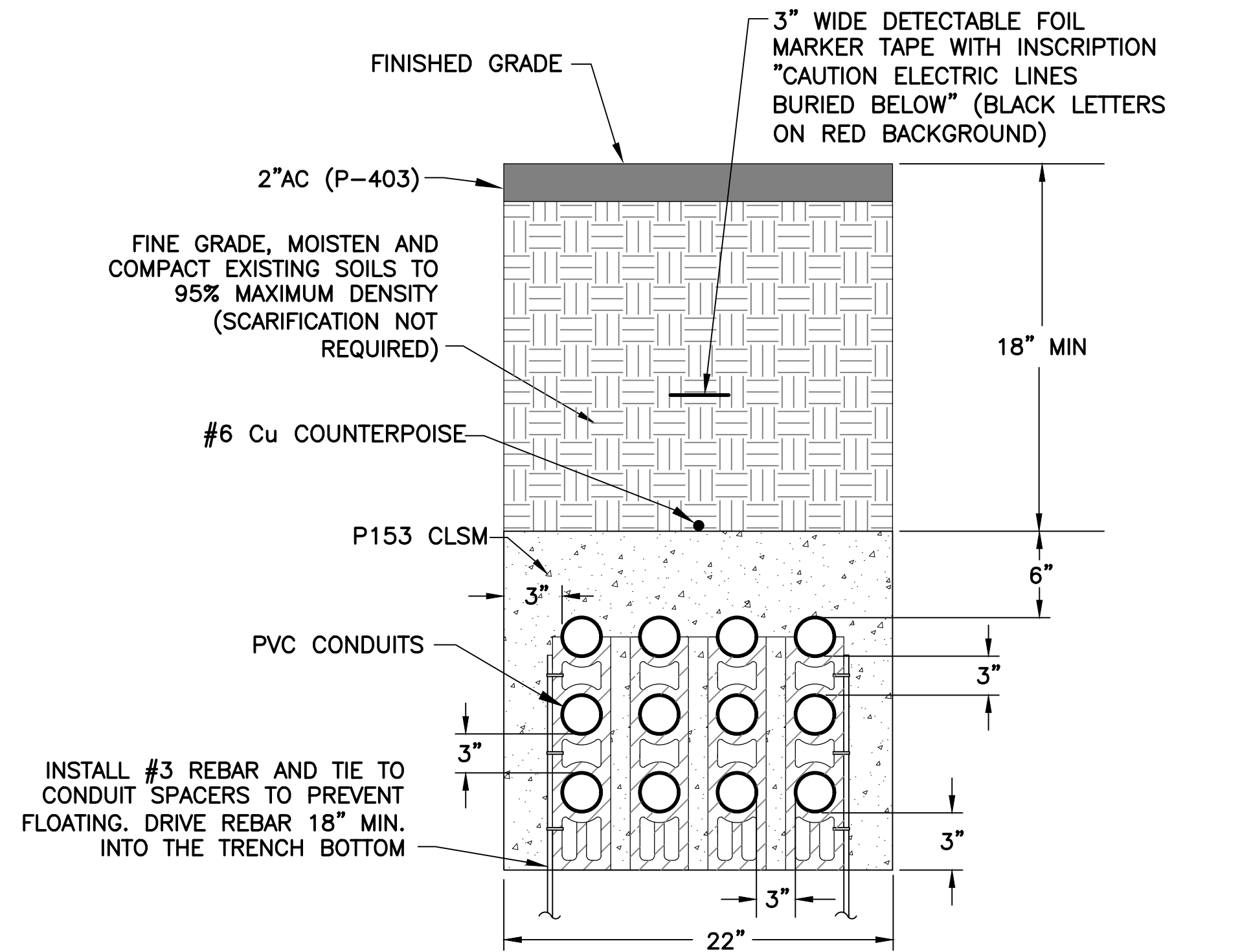
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 CITY OF PHOENIX AVIATION DEPARTMENT
GOODYEAR AIRPORT INFIELD PAVING PHASE I
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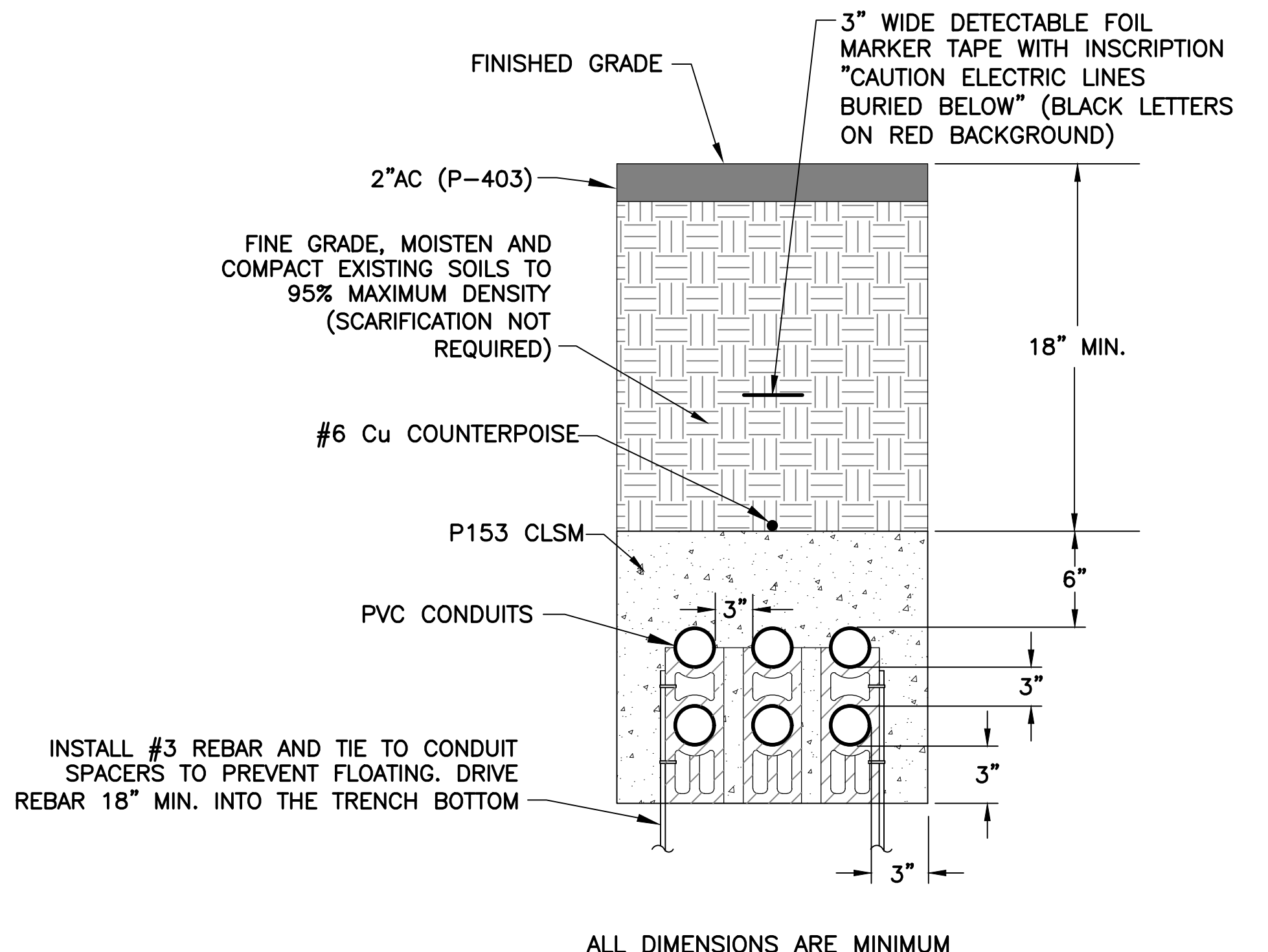
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PARTIAL AIRFIELD ELECTRICAL SITE PLAN

SHEET REFERENCE NUMBER:
EA-102
 SHEET 31 OF 33

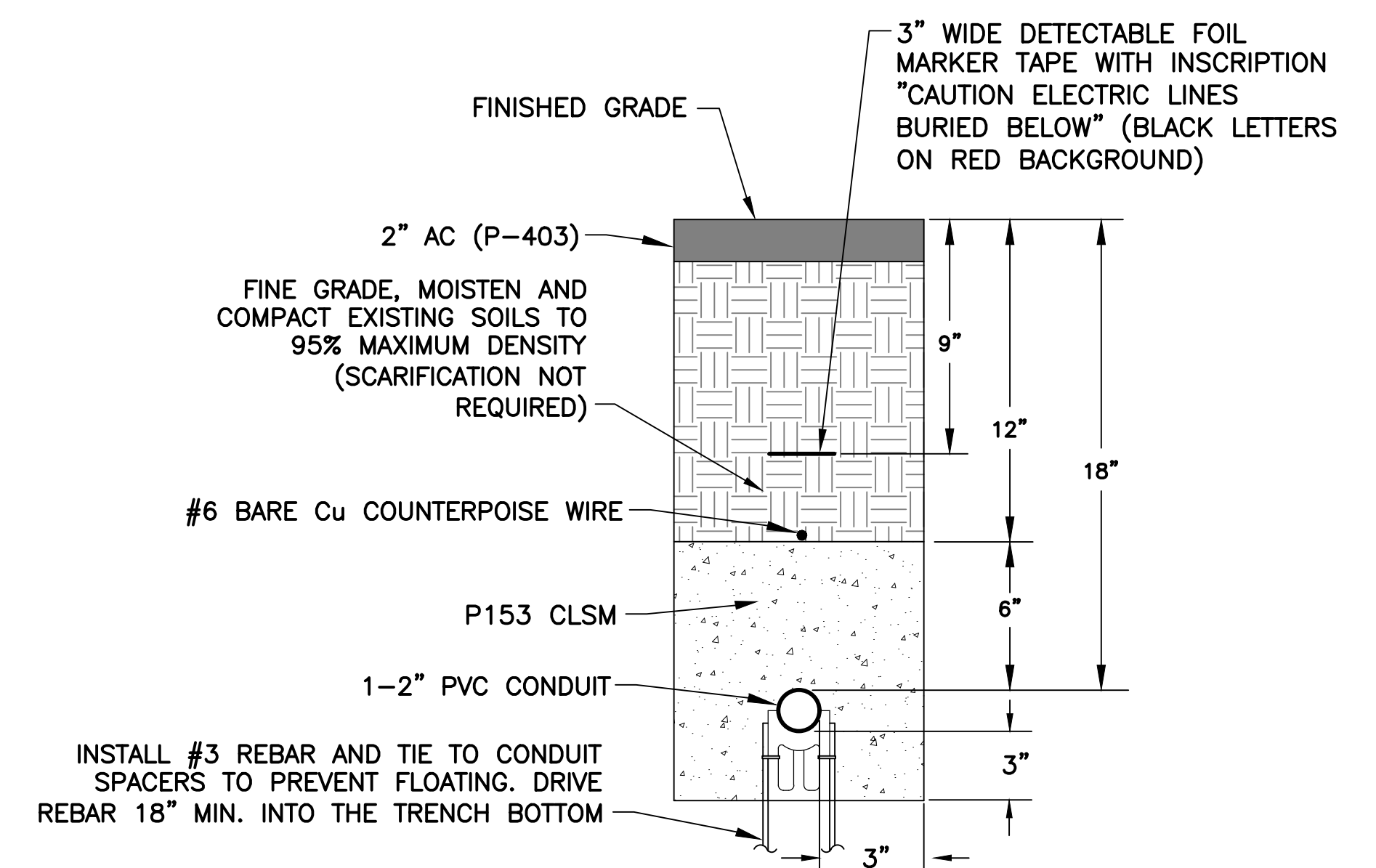
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ALL DIMENSIONS ARE MINIMUM
501 TYP SLURRY ENCASED (SE) CONDUIT DUCTBANK (12-2")
 NTS



ALL DIMENSIONS ARE MINIMUM
502 TYP SLURRY ENCASED (SE) CONDUIT DUCTBANK (6-2")
 NTS



ALL DIMENSIONS ARE MINIMUM. DETAIL APPLICABLE FOR ALL CONDUIT BETWEEN L-867 BASE CANS/TRANSFORMER HOUSINGS
503 TYP CONDUIT DETAIL
 NTS

GENERAL DUCTBANK NOTES

1. CONTRACTOR TO VERIFY 18" MINIMUM DEPTH TO TOP OF CONDUIT FROM MODIFIED FINISHED GRADES IN AREAS AFFECTED BY CONSTRUCTION. CONDUITS AND DUCTBANKS ARE REQUIRED TO BE INSTALLED IN ACCORDANCE WITH FAA SPECIFICATION L-110.
2. IF LOWERING EXISTING CONDUIT OR DUCTBANK IS REQUIRED, CONTRACTOR SHALL COORDINATE WITH AIRPORT TO INSTALL TEMPORARY JUMPERS BETWEEN LIGHTS, SIGNS, OR HANDHOLES TO MAINTAIN CIRCUIT OPERATION, PRIOR TO REMOVING EXISTING CABLES TO LOWER CONDUITS.
3. A 3" MINIMUM/6" MAXIMUM 4000 PSI CONCRETE CAP MAY BE INSTALLED IN LIEU OF LOWERING DUCTBANK IF TOP OF CONDUITS ARE WITHIN 3" OF 18" MINIMUM DEPTH BELOW GRADE.

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Professional Engineer License
 Registered Professional Engineer License
 36696
 CATHERINE
 ALCONR
 State Expires: 12/31/2025

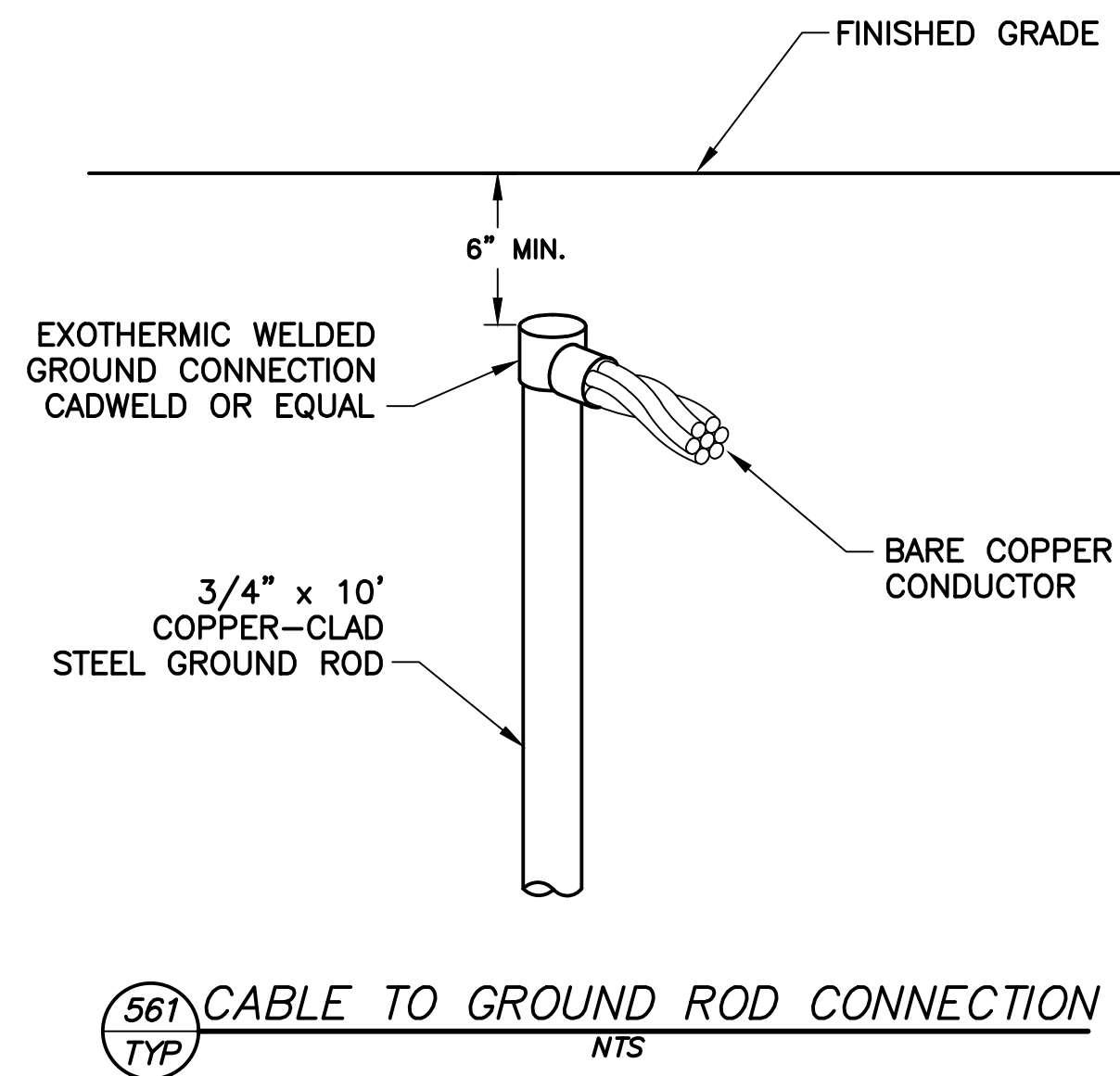
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NO	REVISIONS / SUBMISSIONS	DATE

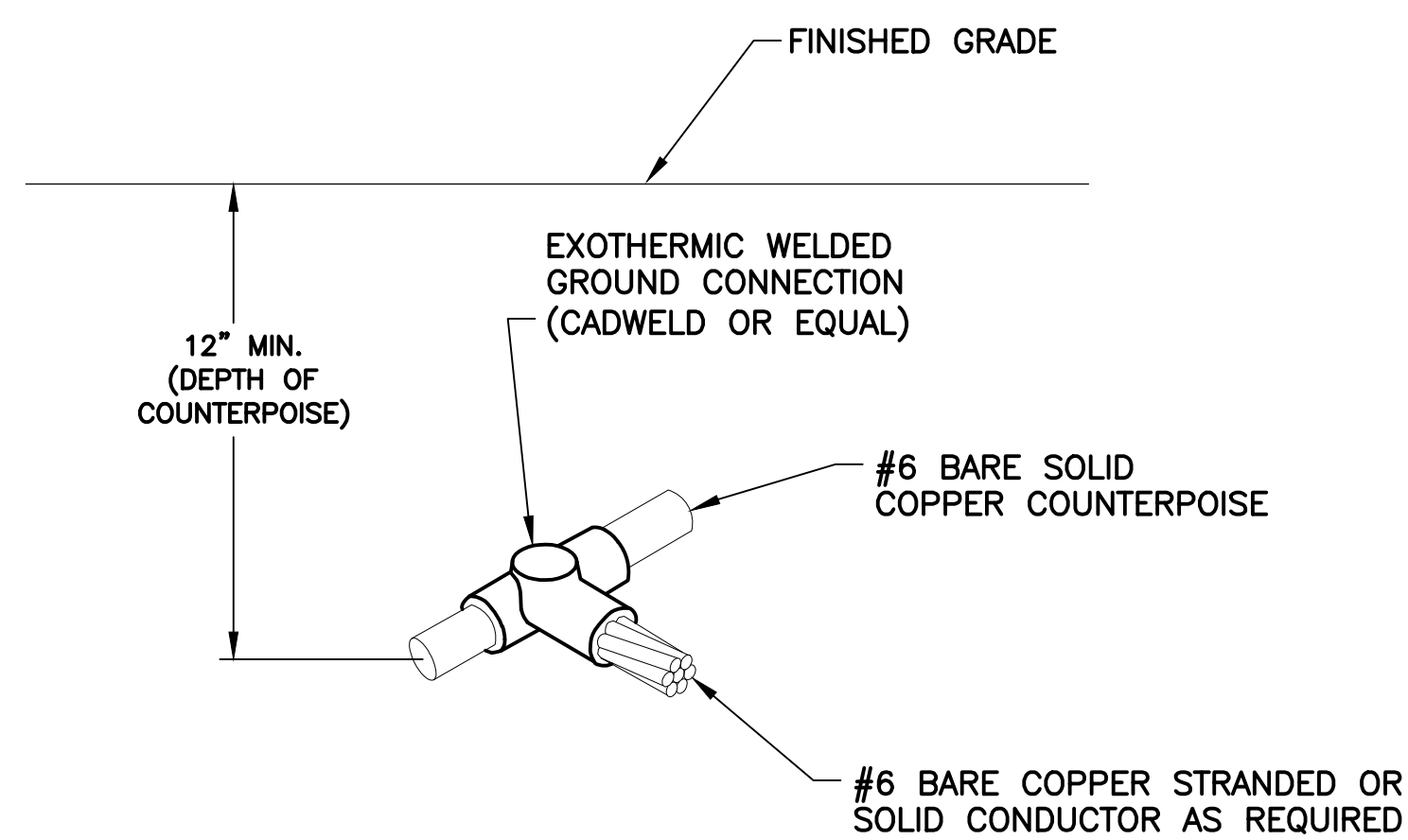
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GOODYEAR AIRPORT
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Drawn by: JBW	CA
Checked by: CA	01/13/23
Date: 01/13/23	NTS
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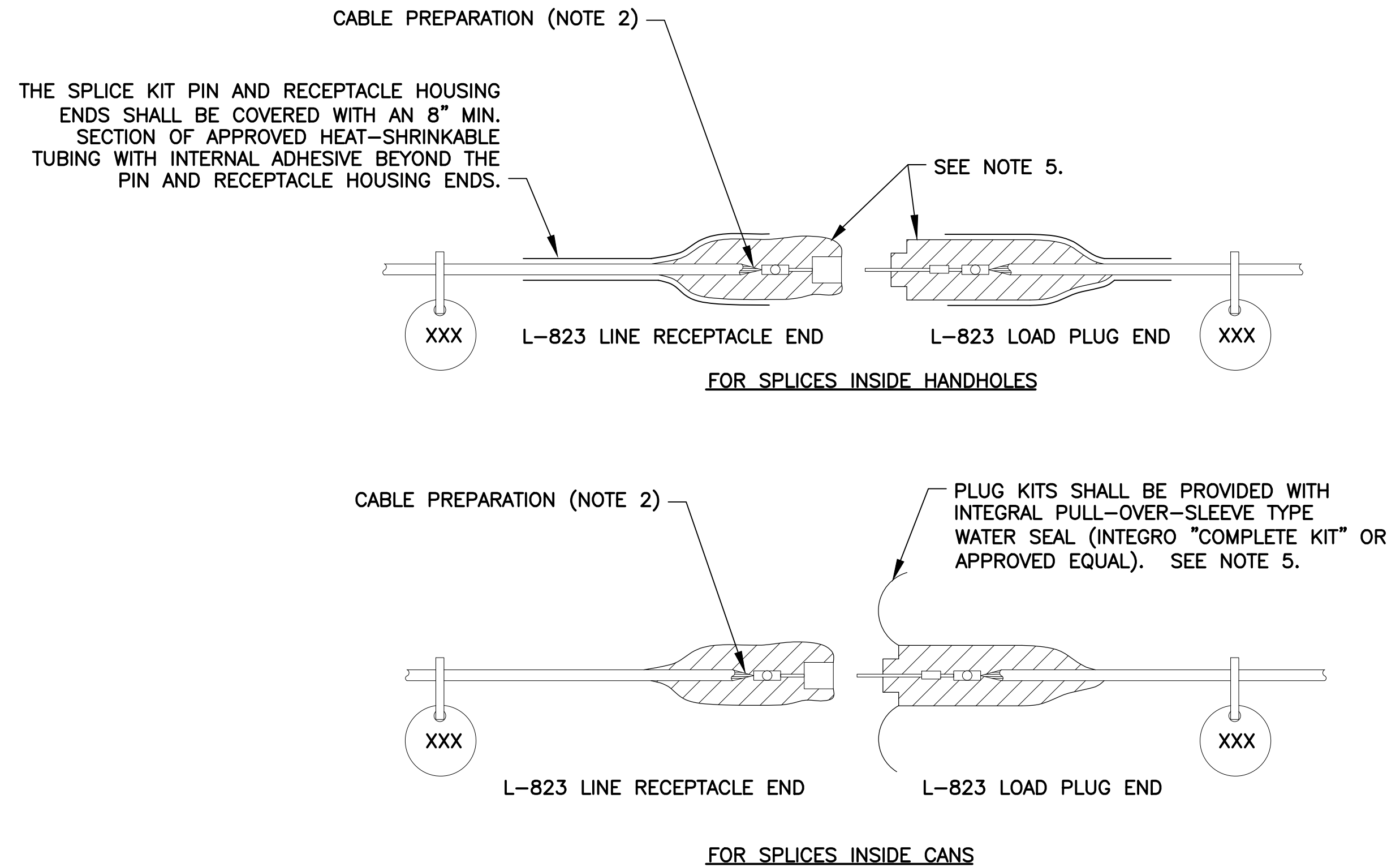
SHEET OVERVIEW TITLE
DUCTBANK DETAILS



561 TYP CABLE TO GROUND ROD CONNECTION
NTS



766 TYP COUNTERPOISE TO CABLE CONNECTION DETAIL
NTS



925 TYP TYPICAL 5KV CABLE SPLICE
NTS

NOTES

1. PROVIDE MALE AND FEMALE L-823 CONNECTORS AS REQUIRED ON EACH CONDUCTOR IN EACH BASE, HANDHOLE, OR MANHOLE TO ALLOW ISOLATION OF HOMERUN CIRCUIT, NO STRAIGHT-THROUGH ALLOWED.
2. ALL CABLE ENDS SHALL BE PREPARED WITH THE USE OF A TAPERING TOOL SPECIFICALLY DESIGNED FOR USE WITH L-824 CABLES.
3. PLUG AND RECEPTACLE END FITTINGS SHALL BE CRIMPED ONTO THE CONDUCTOR BY USE OF AN AIRPORT PERSONNEL ACCEPTED RATCHETING TYPE CRIMPING TOOL.
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 & EXISTING CABLES AND COORDINATE WITH TERMINATION KITS TO ASSURE PROPER AND WATERPROOF FIT.
5. INSTALL THREE (3) TAPE LAYERS OVER L-823 CONNECTIONS AFTER PULLING SLEEVE OVER COMPLETE KIT (SCOTCH OR EQUAL):
1ST LAYER - 33+ VINYL ELECTRICAL TAPE
2ND LAYER - 130C RUBBER SPLICING TAPE
3RD LAYER - 33+ VINYL ELECTRICAL TAPE
6. THERE SHALL BE NO SPLICES BETWEEN LIGHTS, ONLY IN BASES OR HANDHOLES.
7. PROVIDE AND INSTALL NON-CONDUCTIVE CIRCUIT IDENTIFICATION TAGS ATTACHED TO EACH SIDE OF ALL CONNECTOR KITS.
8. ON THE CABLES FOR THE RUNWAY AND SIGNAGE CIRCUITS, TAPE FROM THE BACK END OF THE CONNECTOR KIT ONTO CABLE FOR 3" EACH, RED THEN WHITE PHASE TAPE FOR SIGNS, RED ONLY PHASE TAPE FOR RUNWAY EDGE LIGHTS, FOR FASTER IDENTIFICATION AND MATCH EXISTING MANHOLE LAYOUTS.
9. ON THE CABLES FOR THE TAXIWAY AND SIGNAGE CIRCUITS, TAPE FROM THE BACK END OF THE CONNECTOR KIT ONTO CABLE FOR 3" EACH, BLUE THEN WHITE PHASE TAPE FOR SIGNS, BLUE ONLY PHASE TAPE FOR TAXIWAY EDGE LIGHTS, FOR FASTER IDENTIFICATION AND MATCH EXISTING MANHOLE LAYOUTS.

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	SUB CONSULTANT
REGISTERED PROFESSIONAL ENGINEER 36696 CATHERINE ALCORN State Expires: 12/31/2025	PROFESSIONAL ENGINEER LICENSE NO. 100010010
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PHX BYR CITY OF PHOENIX AVIATION DEPARTMENT GOODYEAR AIRPORT INFIELD PAVING PHASE I AV 41000079 FAA/ADOT ADOT GRANT NO.: E2S1G 01C & E3S21 01C	SHEET OVERVIEW TITLE SPLICING AND GROUNDING DETAILS
Designed by: SW Drawn by: JBW Checked by: CA Date: 01/13/23 Dwg. scale: NTS	SHEET REFERENCE NUMBER: EA-502 SHEET 33 OF 33

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