

SCOTTSDALE AIRPORT AIRPORT DRIVE REHABILITATION

15000 N. AIRPORT DRIVE
SCOTTSDALE, AZ 85260
CONSTRUCTION DOCUMENTS
OCTOBER 2022

MAYOR
DAVID ORTEGA
CITY COUNCIL
TAMMY CAPUTI
TOM DURHAM
BETTY JANIK
KATHY LITTLEFIELD
LINDA MILHAVEN
SOLANGE WHITEHEAD



PROJECT DESCRIPTION
ADOT GRANT NO.: E3S3B01C
CITY PROJECT NO.: AJ02
CITY BID NO.: IFB-032023-074

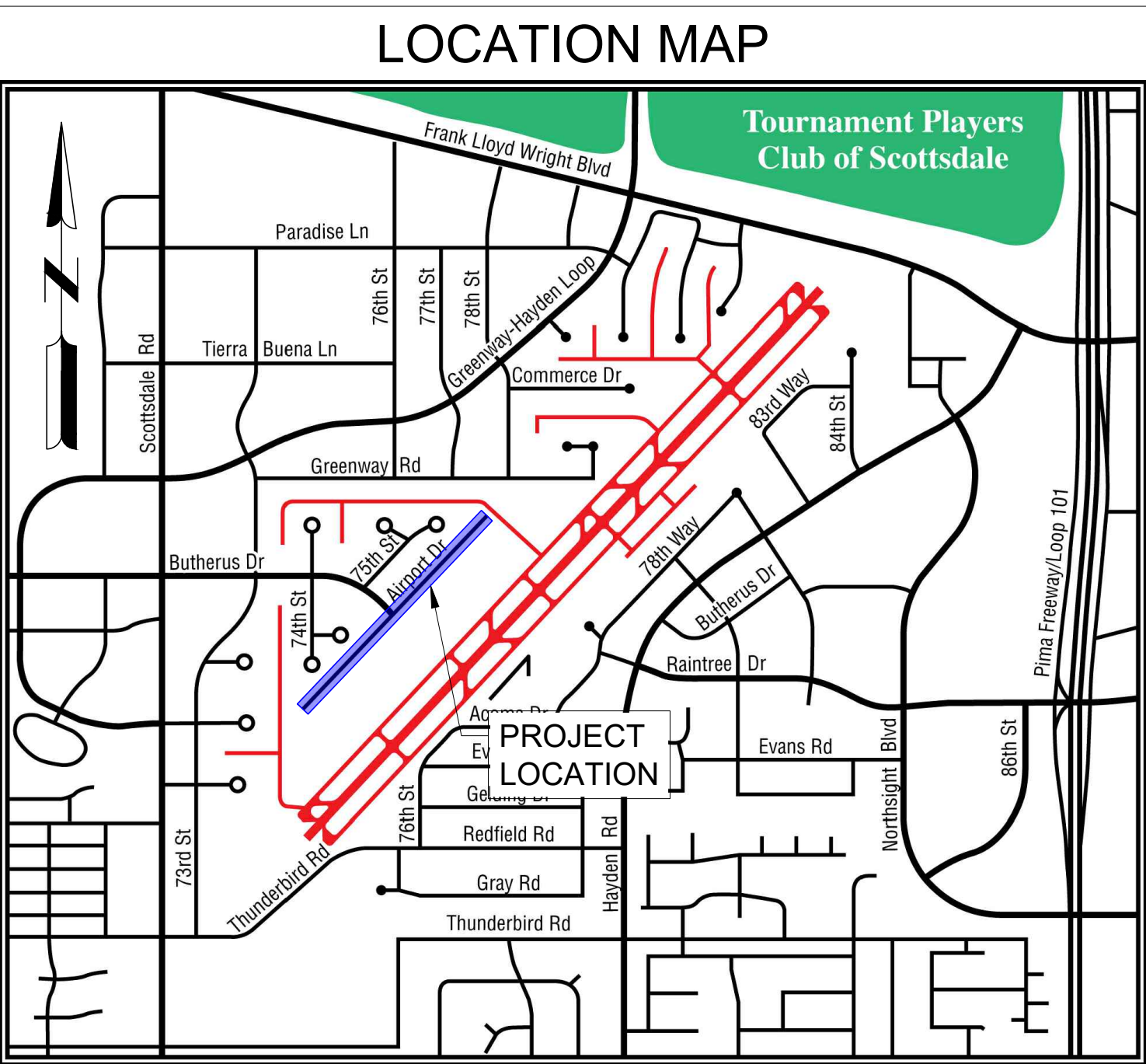
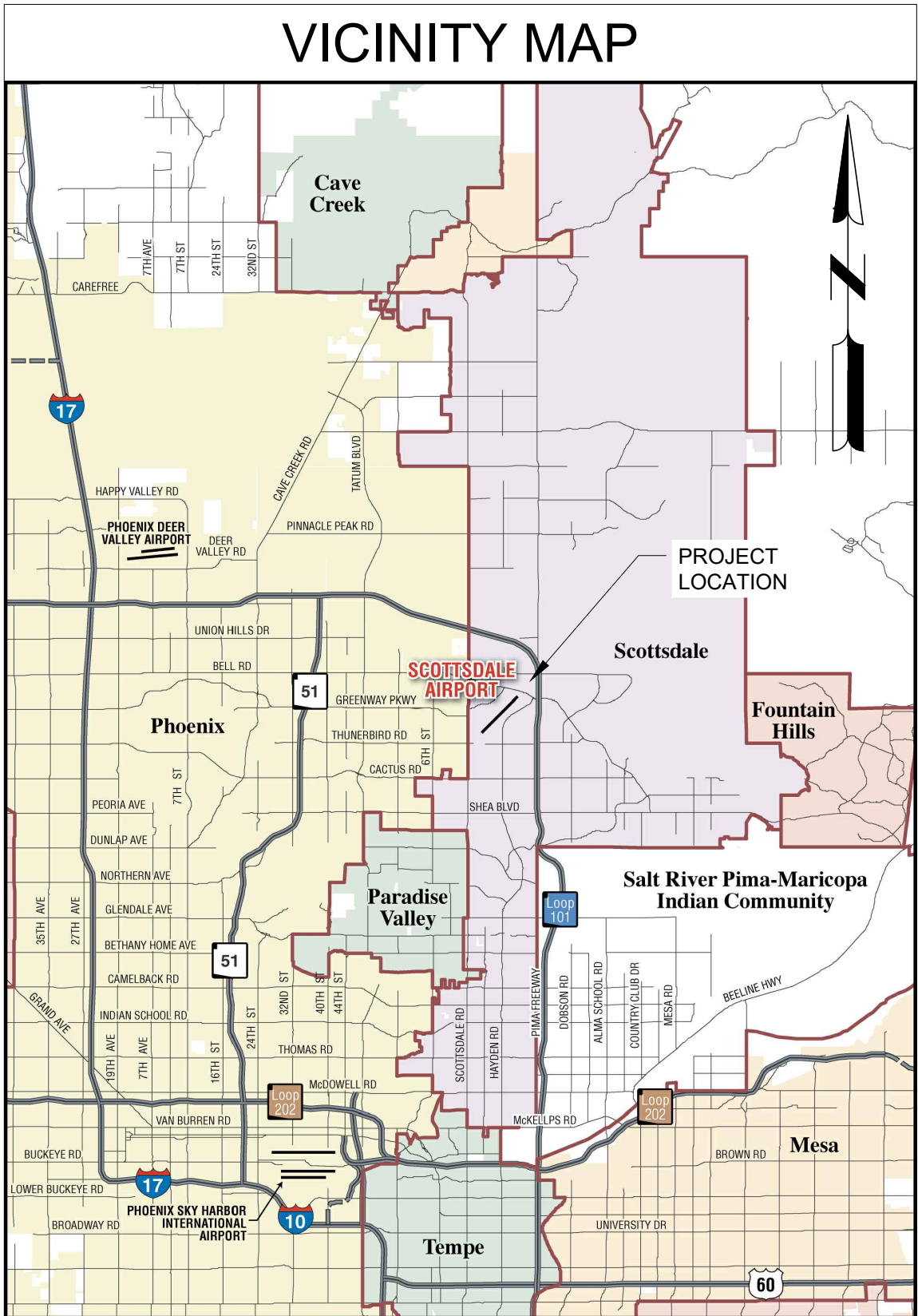
PROJECT ELEMENTS

- REMOVE EXISTING PAVEMENT, COLD MILL
- SCARIFY AND RECOMPACT EXISTING AGGREGATE BASE
- PAVE HOT MIX ASPHALT PAVEMENT
- UTILITY ADJUSTMENTS
- APPLY NEW PAVEMENT MARKINGS



Know what's below.
Call before you dig.

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CHECKED BY: DPS
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SHEET CONTENTS
COVER SHEET

SHEET NO. 1 of 29

G-001

LEGEND

SYMBOLS

EXISTING	PROPOSED	
		CONTROL POINT
		ELECTRIC TRANSFORMER BOX
		ELECTRIC SWITCH PANEL
		ELECTRIC HANDHOLE (PULLBOX)
		TRENCH DRAIN
		FIRE HYDRANT
		STREETLIGHT POLE
		SANITARY SEWER MANHOLE
		SOIL BORING
		CATCH BASIN
		FLARED END SECTION
		STORM DRAIN MANHOLE
		TELECOMMUNICATIONS MANHOLE
		TELECOMMUNICATIONS PEDESTAL BOX
		WATER MANHOLE
		WATER VALVE
		FIRE DEPARTMENT CONNECTION RISER
		SECTION REFERENCE
		SPOT ELEVATION AT ROAD CENTERLINE
		(E) SPOT ELEVATION AT GUTTER EDGE
		SLOPE
		BACKFLOW PREVENTER
		INLET PROTECTION
		FLAGMAN
		MAIL BOX

LINES

EXISTING	PROPOSED	
		GAS
		CONTOUR LINES
		FENCE, CHAIN-LINK
		GRADE BREAK
		HAUL ROUTE
		PROPERTY LINE
		SANITARY SEWER
		STORM DRAIN / CULVERT
		COMMUNICATIONS
		WATER
		FIBER OPTIC CABLE, UNDERGROUND
		ELECTRIC, UNDERGROUND
		FORCE MAIN
		NON-POTABLE WATER

PATTERNS

	PROJECT WORK AREA
	CONTRACTOR STAGING/STOCKPILE AREA
	AGGREGATE BASE
	SUBGRADE
	VARIABLE DEPTH PAVEMENT REMOVAL
	FULL DEPTH PAVEMENT REMOVAL
	(N) ASPHALT SURFACE COURSE (PLAN VIEW)

GENERAL ABBREVIATIONS

AAC	ARIZONA ADMINISTRATIVE CODE
AB	AGGREGATE BASE
AC	ASPHALT CONCRETE
ACP	ASBESTOS CEMENT PIPE
ADA	AMERICAN DISABILITIES ACT
ADOT	ARIZONA DEPARTMENT OF TRANSPORTATION
ALT	ALTERNATE
AOA	AIR OPERATIONS AREA
APCH	APPROACH
APPROX	APPROXIMATE
APS	ARIZONA PUBLIC SERVICE
ARFF	AIRPORT RESCUE AND FIRE FIGHTING
ASB	AGGREGATE SUBBASE
ASOS	AUTOMATED SURFACE OBSERVING SYSTEM
AR	ACCESS ROAD
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
ATCT	AIR TRAFFIC CONTROL TOWER
ATO	AIR TRAFFIC ORGANIZATION
AWG	AMERICAN WIRE GAUGE
AWWA	AMERICAN WATER WORKS ASSOCIATION
AZ	ARIZONA
BC	BEGINNING OF CURVE
BIT	BITUMINOUS
BLDG	BUILDING
BM	BENCHMARK
BOT	BOTTOM
BVC	BEGINNING OF VERTICAL CURVE
C-C	CENTER TO CENTER
C	CIVIL
CABC	CRUSHED AGGREGATE BASE COURSE
CASPR	CRUSHED AGGREGATE SLOPE PROTECTION ROCK
CB	CATCH BASIN
CIPCP	CAST-IN-PLACE CONCRETE PIPE
CJ	CONSTRUCTION JOINT
CFS	CUBIC FEET PER SECOND
CL	CENTERLINE
CLF	CHAIN-LINK FENCE
CLR	CLEAR
CMP	CORRUGATED METAL PIPE
CO	CLEANOUT
CONC	CONCRETE
CONT	CONTINUOUS
COS	CITY OF SCOTTSDALE
CP	CONTROL POINT
CTB	CEMENT-TREATED BASE
CY	CUBIC YARDS
DB	DIRECT BURIAL
DEG	DEGREE
DG	DECOMPOSED GRANITE
DI	DROP INLET
DIA	DIAMETER
DIM	DIMENSION
DIP	DUCTILE IRON PIPE
DP	DEPTH
DR	DRIVE
DSPM	DESIGN STANDARDS AND POLICIES MANUAL
DTL	DETAIL
(E)	EXISTING
E	ELECTRICAL LINE
EA	EACH
EC	END OF CURVE
EG	EXISTING GRADE
EL, ELEV	ELEVATION
EOP	EDGE OF PAVEMENT
EVC	END OF VERTICAL CURVE
FAA	FEDERAL AVIATION ADMINISTRATION
FBO	FIXED BASE OPERATOR
FDC	FIRE DEPARTMENT CONNECTION
FEMA	FEDERAL EMERGENCY MANAGEMENT AGENCY
FF	FINISHED FLOOR
FG	FINISHED GRADE
FH	FIRE HYDRANT
FL	FLOW LINE
FM	SANITARY SEWER FORCE MAIN

FOC	FIBER OPTIC CABLE
FPS	FEET PER SECOND
FT	FEET
G&D	GRADING AND DRAINAGE
G	NATURAL GAS LINE
GAL	GALLON
GALV	GALVANIZED
GB	GRADE BREAK
GND	GROUND
GPM	GALLONS PER MINUTE
GS	GROUND SHOT
H	HEIGHT
HDPE	HIGH DENSITY POLYETHYLENE
HORIZ	HORIZONTAL
HMA	HOT MIX ASPHALT
HP	HIGH POINT
HW	HEADWALL
IE	INVERT ELEVATION
IN	INCHES
INC	INCORPORATED
INV	INVERT
IP	IN-PAVEMENT
L	LENGTH
LBS	POUNDS
LF	LINEAL FEET
LWL	LOW WATER LEVEL
MAG	MARICOPA ASSOCIATION OF GOVERNMENTS
MCESD	MARICOPA COUNTY ENVIRONMENTAL SERVICES DEPARTMENT
MG	MILLED GRADE
MGR	MANAGER
MH	MANHOLE
MAX	MAXIMUM
MID	MIDPOINT
MIN	MINIMUM
MIRL	MEDIUM INTENSITY RUNWAY LIGHT
MITL	MEDIUM INTENSITY TAXIWAY LIGHT
MPH	MILES PER HOUR
(N)	NEW
N	NORTH, NORTHING
NE	NORTHEAST
NIC	NOT IN CONTRACT
NO.	NUMBER
NOTAM	NOTICE TO AIR MISSIONS
NSF	NATIONAL SANITATION FOUNDATION
NTS	NOT TO SCALE
NW	NORTHWEST
OC	ON CENTER
OFA	OBJECT FREE AREA
OFF	OFFSET
OH	OVERHEAD
OWS	OIL WATER SEPARATOR
PAPI	PRECISION APPROACH PATH INDICATOR
PB	PULL BOX
PC	POINT OF CURVATURE
PCC	PORTLAND CEMENT CONCRETE
PCF	POUNDS PER CUBIC FOOT
PERF	PERFORATED
PI	POINT OF INTERSECTION
POB	POINT OF BEGINNING
POC	POINT OF CURVE
POE	POINT OF ENDING
PRV	PRESSURE RELIEF VALVE
PSI	POUNDS PER SQUARE INCH
PSF	POUNDS PER SQUARE FOOT
PT	POINT OF TANGENCY
PVC	POLYVINYL CHLORIDE
PVI	POINT OF VERTICAL INTERSECTION
PVT	POINT OF VERTICAL TANGENCY
PWR	PERMISSION TO WORK IN RIGHT OF WAY
Q	RATE OF FLOW
QTY	QUANTITY
R&R	REMOVE AND REPLACE
R	RADIUS
RC	RELATIVE COMPACTION

RCP	REINFORCED CONCRETE PIPE
RD	ROAD
REIL	RUNWAY END IDENTIFIER LIGHT
REL	RELOCATE EXISTING
REQ	REQUIRED
RET	RETAINING
ROFA	RUNWAY OBJECT FREE AREA
ROW	RIGHT OF WAY
RSA	RUNWAY SAFETY AREA
RWA	RESTRICTED WORK AREA
RWY	RUNWAY
S&W	SEWER AND WATER
SDR	STANDARD DIMENSION RATIO
SF	SQUARE FOOT
SG	STRAIGHT GRADE
SH	SHOULDER
SD	STORM DRAIN
SPEC	SPECIFICATION
SS	SANITARY SEWER
ST	STREET
STA	STATION
STD	STANDARD
STE	SUITE
STL	STEEL
SW	SOUTHWEST
SY	SQUARE YARD
T	TELEPHONE LINE
TC	TOP OF CURB
TG	TOP OF GRATE
T/L	TAXILANE
TLOFA	TAXILANE OBJECT FREE AREA
TOE	TOE OF BANK
TOP	TOP OF BANK
TDZ	TOUCHDOWN ZONE
TOFA	TAXIWAY OBJECT FREE AREA
TRANS	TRANSFORMER
TSA	TAXIWAY SAFETY AREA
TWY	TAXIWAY
TYP	TYPICAL
UD	UNDERDRAIN
UG	UNDERGROUND
UON	UNLESS OTHERWISE NOTED
UV	ULTRA VIOLET
V	VELOCITY
VC	VERTICAL CURVE
VCP	VITRIFIED CLAY PIPE
VERT	VERTICAL
VG	VALLEY GUTTER
VIF	VERIFY IN FIELD
W	WATER LINE
W	WEST
W/	WITH
W/O	WITHOUT
WSE	WATER SURFACE ELEVATION
WSP	WELDED STEEL PIPE
WV	WATER VALVE
WWM	WELDED WIRE MESH

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Mead and Hunt, Inc.
8800 E Raintree Dr, Ste 285
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phone: 480-718-1896
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REGISTERED PROFESSIONAL ENGINEER

CERTIFICATE NO.

74185

BRADLEY MIKULECKY

DATE SIGNED 10/11/2022

ARIZONA U.S.A.

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SHEET CONTENTS

LEGEND & ABBREVIATIONS

SHEET NO.

2 of 29

G-002

GENERAL NOTES:

1. ALL WORK REQUIRED TO COMPLETE THE CONSTRUCTION COVERED BY THIS PLAN SHALL BE IN ACCORDANCE WITH MARICOPA ASSOCIATION OF GOVERNMENTS (MAS) STANDARD SPECIFICATIONS AND DETAILS, AND CITY OF SCOTTSDALE SUPPLEMENTS TO MAG STANDARDS UNLESS SPECIFIED OTHERWISE.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MEANS, METHODS, SEQUENCING AND SAFETY USED DURING CONSTRUCTION UNLESS SPECIFICALLY ADDRESSED OTHERWISE.
3. THE CONTRACTOR SHALL COMPLY WITH ALL LOCAL, STATE, AND FEDERAL LAWS AND REGULATIONS APPLICABLE TO THE CONSTRUCTION COVERED BY THIS PLAN.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND COMPLYING WITH ALL PERMITS REQUIRED TO COMPLETE THE WORK COVERED BY THIS PLAN.
5. THE QUANTITIES AND SITE CONDITIONS DEPICTED IN THIS PLAN ARE FOR INFORMATIONAL PURPOSES ONLY. CONTRACTOR SHALL SATISFY THEMSELVES AS TO ACTUAL QUANTITIES AND SITE CONDITIONS PRIOR TO BIDDING THE WORK COVERED BY THIS PLAN.
6. A REASONABLE EFFORT HAS BEEN MADE TO SHOW THE LOCATION OF EXISTING UNDERGROUND FACILITIES IN THE CONSTRUCTION AREA. CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE TO THE EXISTING FACILITIES CAUSED DURING THEIR CONSTRUCTION OPERATIONS. CONTRACTOR SHALL CONTACT ARIZONA 811 AND NOTIFY AIRPORT OPERATIONS PRIOR TO ANY EXCAVATION.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COORDINATION OF THE CONSTRUCTION AFFECTING UTILITIES AND THE COORDINATION OF ANY NECESSARY UTILITY RELOCATION OR MODIFICATIONS.
8. THE CONTRACTOR SHALL VERIFY BY SURVEY THE LOCATION, ELEVATION AND CONDITION OF ALL EXISTING SURFACES AT TIE-IN POINTS AND MATCHLINES PRIOR TO COMMENCEMENT OF CONSTRUCTION. SHOULD DIFFERENCES GREATER THAN 1/2" INCH BE FOUND FROM THAT DEPICTED ON THIS PLAN, RESULTING IN THE DESIGN INTENT REFLECTED ON THIS PLAN NOT ABLE TO BE CONSTRUCTED, CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER FOR DIRECTION ON HOW TO PROCEED PRIOR TO COMMENCEMENT AND/OR CONTINUATION OF CONSTRUCTION.
9. DISPOSAL OF EXCAVATED OR WASTE MATERIAL SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. CONTRACTOR SHALL ASSUME ALL EXCESS MATERIAL WILL BE REQUIRED TO BE HAULED AND DISPOSED OFF AIRPORT PROPERTY. ALL COSTS ASSOCIATED WITH OFF HAUL (INCLUDING ANY ENVIRONMENTAL TESTING) SHALL BE THE CONTRACTOR'S RESPONSIBILITY.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL BARRICADING AND TRAFFIC CONTROL REQUIRED TO MAINTAIN SAFE AND SECURE ACCESS AT THE PROJECT SITE. CONTRACTOR'S ACCESS AND TRAFFIC CONTROL PLAN WILL BE IN ACCORDANCE WITH THE CONSTRUCTION SAFETY AND PHASING PLAN AND CITY OF SCOTTSDALE TRANSPORTATION DEPARTMENT.
11. CONTRACTOR SHALL SUBMIT A "BARRICADE PLAN" TO THE CITY OF SCOTTSDALE. SEE [HTTPS://WWW.SCOTTSDALEAZ.GOV/TRANSPORTATION/STUDIES-REPORTS/RIGHT-OF-WAY](https://www.scottsdaleaz.gov/transportation/studies-reports/right-of-way)
12. THE CONTRACTOR SHALL PROTECT ALL STREET SIGNAGE, LIGHTING, AIRPORT SECURITY EQUIPMENT, AND SECURITY EQUIPMENT OF ADJACENT PROPERTIES. DAMAGE TO ANY EQUIPMENT OR SIGNAGE SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE.
13. THE CONTRACTOR SHALL MAKE REQUESTS FOR ROADWAY CLOSURES A MINIMUM OF 48 HOURS IN ADVANCE OF SUCH CLOSURES. THE AIRPORT WILL HAVE THE FINAL APPROVAL AUTHORITY OF SUCH CLOSURES. THE AIRPORT RETAINS THE RIGHT TO CANCEL ANY SUCH CLOSURES IN THE INTEREST OF AIRPORT SAFETY AND/OR CRITICAL OPERATIONS.
14. ACCESS TO ALL FIRE HYDRANTS AND PIPESTANDS SHALL BE MAINTAINED AT ALL TIMES.
15. DUMP TRUCKS SHALL USE LOAD COVERS AND SHALL BE LOADED BY THE CONTRACTOR SUCH THAT NO SPILLAGE OCCURS DURING TRANSIT ON STATE OR MUNICIPAL ROADWAYS. PRIOR TO BEING ALLOWED ON ANY ROADWAYS, WHEELS OF TRUCKS SHALL BE CLEANED AND INSPECTED, CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST OF THE IMMEDIATE CLEANING OF MATERIAL TRACKING AND SPILLS ON THE PAVED SURFACES RESULTING FROM THE CONTRACTORS OPERATIONS.
16. THE LOCATION OF HAUL ROUTES SHALL BE AS SHOWN ON THE PLANS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE OFF-SITE HAUL ROUTES WITH THE PARTY HAVING JURISDICTION OVER THE AFFECTED ROUTE. ON-SITE HAUL ROUTES WILL BE MAINTAINED BY THE CONTRACTOR AND SHALL BE RESTORED TO THEIR ORIGINAL CONDITION UPON COMPLETION OF WORK, OR AS DEEMED NECESSARY BY THE AIRPORT OR ENGINEER.
17. CONCRETE, RUBBLE, ASPHALT MILLINGS, AGGREGATE BASE, SOILS AND OTHER EXCESS EXCAVATION NOT USED IN THE WORK SHALL BE DISPOSED OFF AIRPORT PROPERTY ACCORDING TO THE LOCAL LAWS AND REGULATIONS. NO MATERIAL SHALL BE WASTED OR STOCKPILED ON THE AIRPORT UNLESS APPROVED BY THE AIRPORT OR ENGINEER.
18. THE CONTRACTOR SHALL NOT ENTER ONTO ANY AREA OUTSIDE OF THE CONSTRUCTION LIMITS, STAGING AREA, OR DESIGNATED HAUL ROUTES WITHOUT THE WRITTEN APPROVAL OF THE AIRPORT.
19. THE CONTRACTOR SHALL DESIGNATE A PERSON AND TWO BACKUP PEOPLE WHO CAN BE CONTACTED 24 HOURS A DAY IN THE EVENT OF AN EMERGENCY. THESE PEOPLE SHALL BE AUTHORIZED TO MAKE FIELD DECISIONS ON THE COMPANY'S BEHALF AND BE ABLE TO RESPOND WITHIN TWO HOURS OF INITIAL CONTACT.
20. ACCESS FOR AIRPORT RESCUE AND FIRE FIGHTING (ARFF) OR LOCAL RESCUE AND FIRE FIGHTING EQUIPMENT AND PERSONNEL SHALL BE MAINTAINED AT ALL TIMES. THE ARFF OR LOCAL OPERATIONS SHALL HAVE RIGHT-OF-WAY OVER ALL CONTRACTOR'S OPERATIONS AT ALL TIMES.
21. ALL WORK SHALL BE PERFORMED PER THE PROJECT PLANS AND SPECIFICATIONS AND SHALL BE COORDINATED WITH SCOTTSDALE AIRPORT OPERATIONS STAFF.

ITEM NO.	SPEC. ITEM	ITEM DESCRIPTION	UNIT	PLAN QUANTITY	AS-BUILT QUANTITY
1	MAG 109	MOBILIZATION	LS	1	
2	SP-100-3.1	TRAFFIC CONTROL	LS	1	
3	SP-100-3.2	CONSTRUCTION STAKING AND SURVEY LAYOUT	LS	1	
4	SP-100-3.3	PREPARE AND IMPLEMENT STORMWATER POLLUTION PREVENTION PLAN (SWPPP)	LS	1	
5	SP-100-3.4	CONTRACTOR MATERIAL TESTING	LS	1	
6	SP-100-3.5	UNSUITABLE SUBGRADE REPAIR	SY	2205	
7	SP-100-3.6	PREPARE ASGGREGATE BASE COURSE	SY	4410	
8	SP-100-3.7	REMOVE AND REPLACE AIRFIELD VEHICLE ACCESS GATE LOOP DETECTOR	LS	1	
9	MAG 205	ROADWAY EXCAVATION	CY	65	
10	MAG 317	PAVEMENT REMOVAL, COLD MILLING, FULL DEPTH	SY	4410	
11	MAG 317	PAVEMENTED REMOVAL, COLD MILLING, VARIABLE DEPTH	SY	3220	
12	MAG 345	MANHOLE FRAME AND COVER ADJUSTMENTS, MAG STD DTL 422-1	EA	10	
13	MAG 345	WATER VALVE FRAME AND COVER ADJUSTMENTS, MAG STD DTL 270	EA	11	
14	MAG 710	ASPHALT CONCRETE, 1/2-INCH MIX	TON	1640	
15	MAG 712	EMULSIFIED ASPHALT TACK COAT, TYPE SS-1H	TON	4	
16	COS 402	PAVEMENT MARKING (WHITE EXTRUDED THERMOPLASTIC) (0.090")	LF	2434	
17	COS 402	PAVEMENT MARKING (YELLOW EXTRUDED THERMOPLASTIC) (0.090")	LF	5935	
18	COS 402	PAVEMENT MARKING, CHEVRON, COS STD DTL 2292-2	EA	4	
19	COS 402	RAISED PAVEMENT MARKERS, YELLOW, COS STD DTL 2132	EA	302	
20	COS 403	RAISED PAVEMENT MARKERS, BLUE, COS STD DTL 2133	EA	7	

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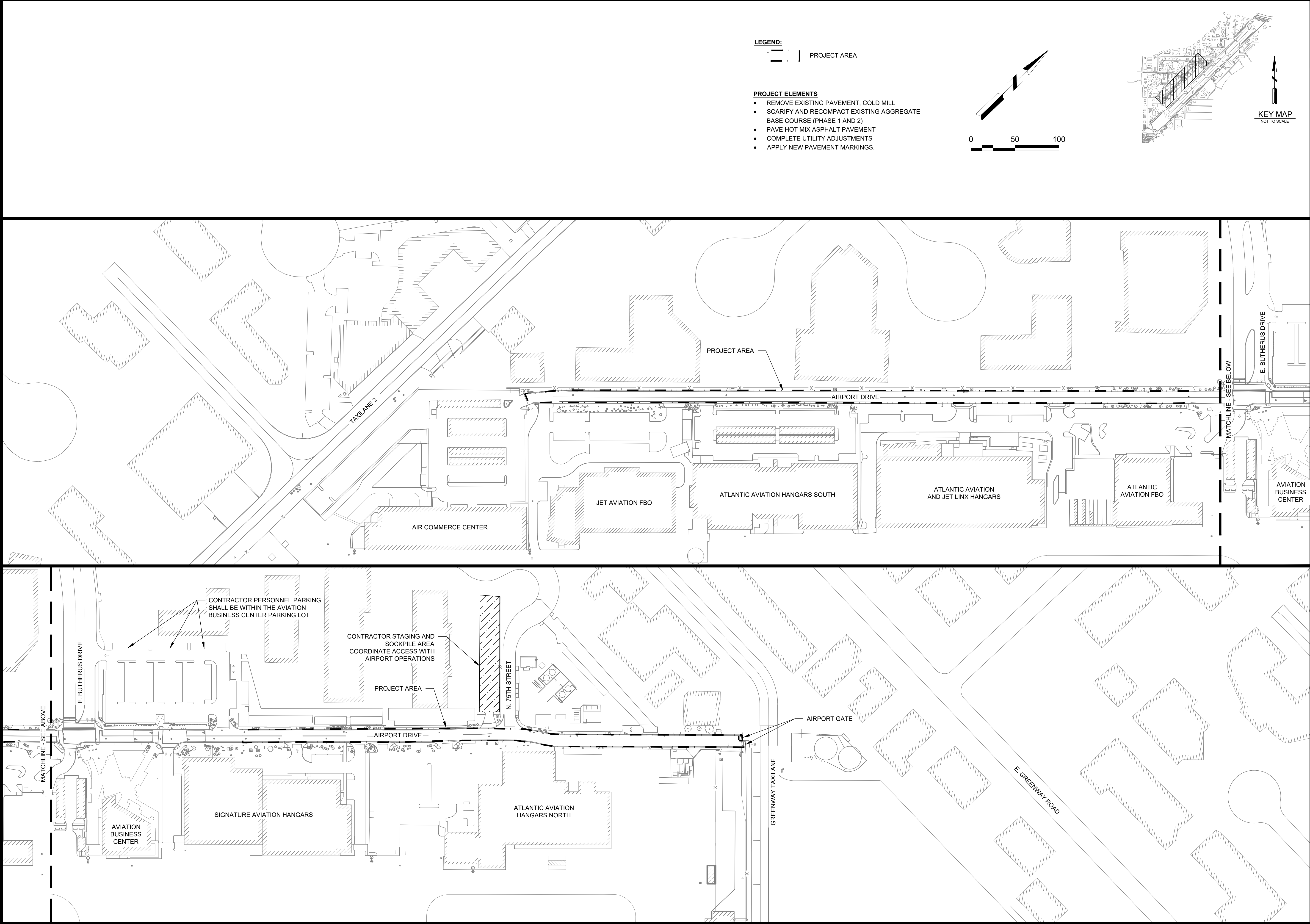
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GENERAL NOTES

SHEET NO. 3 of 29

G-003

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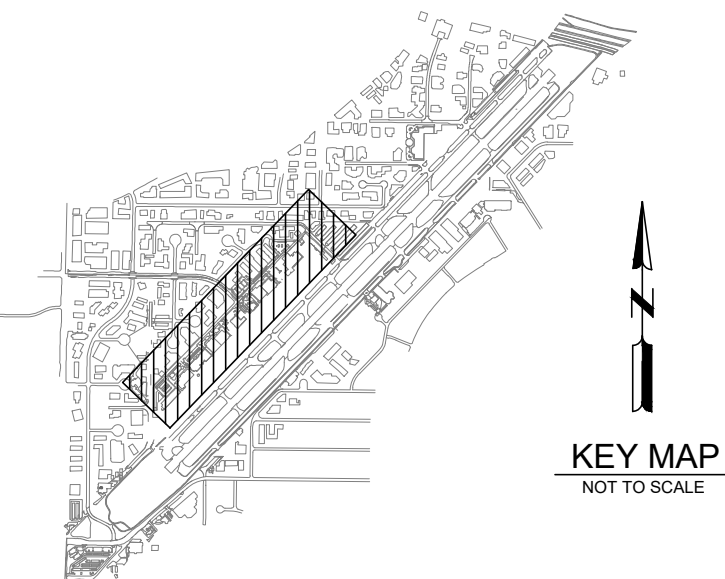
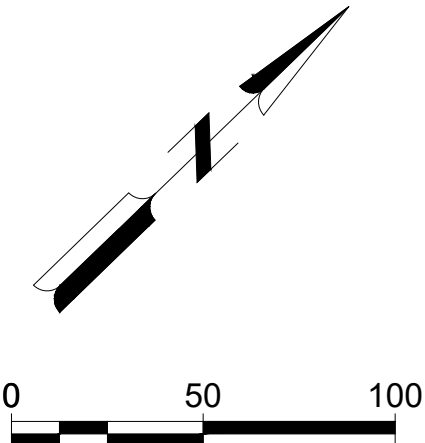


LEGEND:

PROJECT AREA

PROJECT ELEMENTS

- REMOVE EXISTING PAVEMENT, COLD MILL
- SCARIFY AND RECOMPACT EXISTING AGGREGATE BASE COURSE (PHASE 1 AND 2)
- PAVE HOT MIX ASPHALT PAVEMENT
- COMPLETE UTILITY ADJUSTMENTS
- APPLY NEW PAVEMENT MARKINGS.



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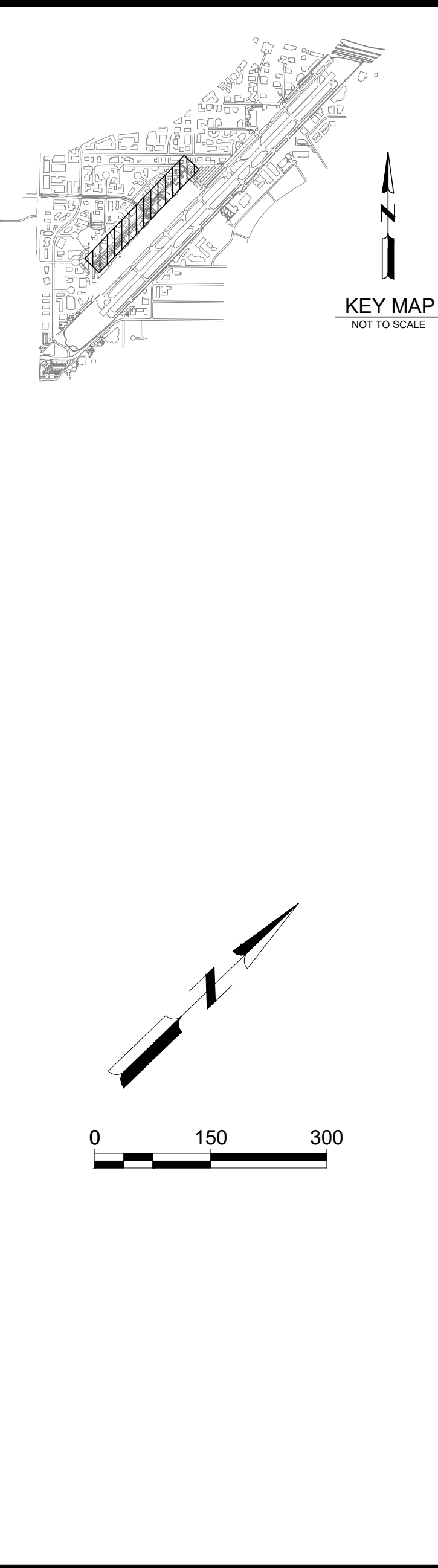
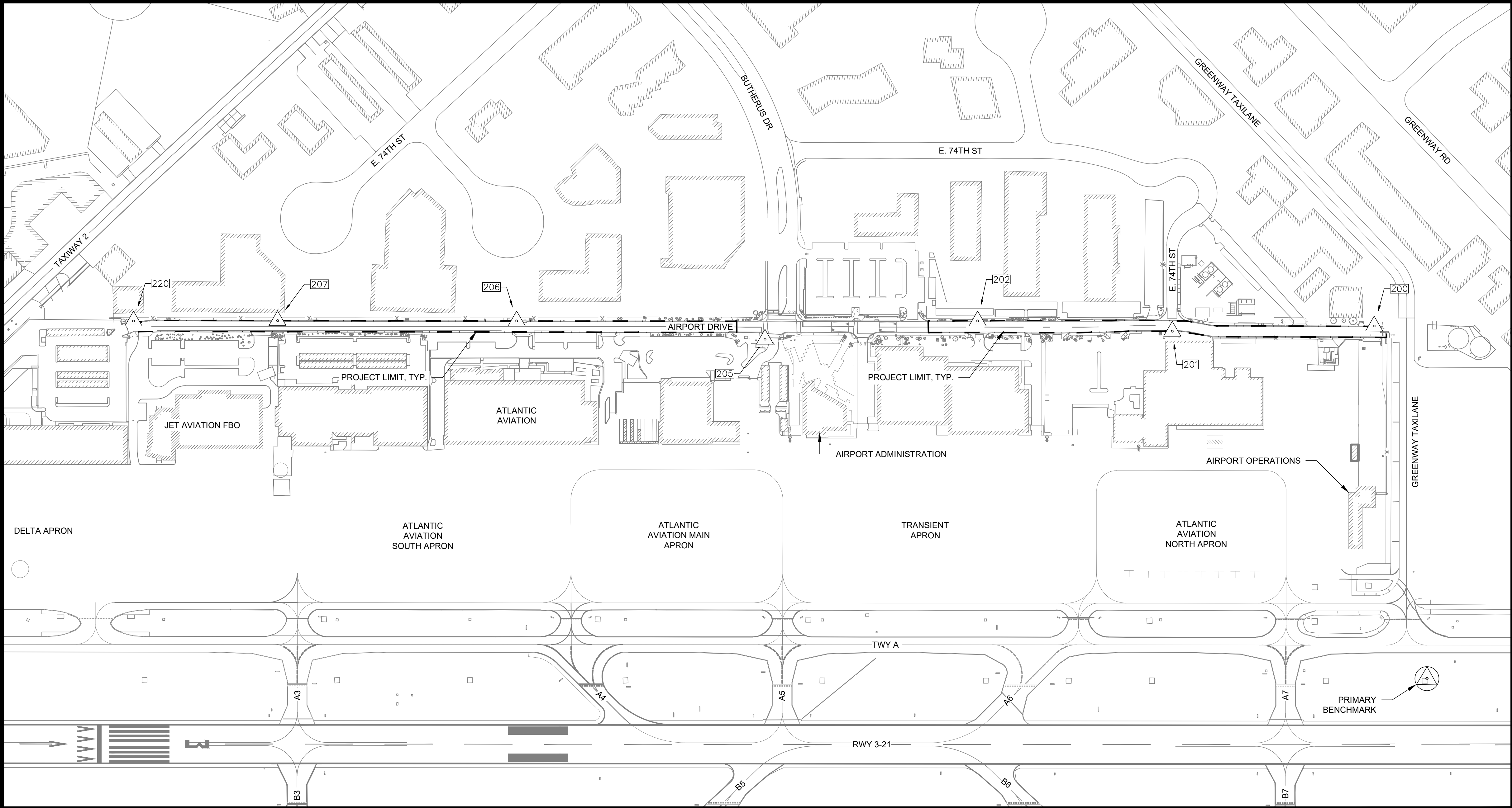
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SHEET CONTENTS
PROJECT LAYOUT
PLAN

SHEET NO. 4 of 29

G-021



BASIS OF SURVEY:

SURVEY ON THE ROADWAY WAS PERFORMED BY TRACE CONSULTING, LLC IN JULY 2022.

NGS CONTROL POINT DESIGNATED SDL D, PID AA3551 (PAC), A BRASS CAP LOCATED AT THE SCOTTSDALE AIRPORT, NORTH OF THE CITY OF SCOTTSDALE, AZ WHICH IS 14 MILES NORTHEAST OF THE INTERSECTION OF 1-10 AND 1-17. STATION IS LOCATED IN THE MIDDLE SECTION OF THE AIRPORT BETWEEN THE RUNWAY AND PARALLEL TAXIWAY A HAVING AN ELEVATION OF 1470.01, NAVD88 VERTICAL DATUM. CONTRACTOR TO VERIFY LOCAL SURVEY CONTROL POINTS AND PROJECT BENCHMARK PRIOR TO START OF CONSTRUCTION.

PRIMARY BENCHMARK USED:
POINT #220
NORTHING: 952522.33
EASTING: 698813.58
ELEVATION: 1450.87

CONTROL POINT TABLE				
POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
200	954753.088	700981.819	1473.05	"X" ON CURB
201	954379.652	700639.713	1469.20	"X" ON CURB
202	954046.154	700282.431	1466.74	"X" ON CURB
205	953630.616	699945.170	1463.03	"X" ON SIDEWALK
206	953214.169	699480.195	1458.12	MAG NAIL ON CURB
207	952783.035	699063.452	1453.44	"X" ON CURB
220	952522.330	698813.581	1450.87	"X" ON CONCRETE

GENERAL NOTES:

- CONTRACTOR SHALL VERIFY SURVEY CONTROL POINTS PRIOR TO START OF CONSTRUCTION.
- CONTRACTOR SHALL ESTABLISH NEW CONTROL POINTS WITHIN THE PROJECT AREA FOR USE DURING CONSTRUCTION. CONTROL POINT LOCATIONS SHALL BE APPROVED BY THE ENGINEER.

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**SCOTTSDALE AIRPORT
AIRPORT DRIVE REHABILITATION**

15000 N. AIRPORT DRIVE
SCOTTSDALE, AZ 85260

ISSUED
CONSTRUCTION
DOCUMENTS

M&H NO.: 2886300-221379.01
DATE: OCTOBER 2022
DESIGNED BY: BJM
DRAWN BY: RJK
CHECKED BY: DPS
DO NOT SCALE DRAWINGS

SHEET CONTENTS
SURVEY CONTROL
PLAN

SHEET NO. 5 of 29

G-041

PHASING OVERVIEW:

PHASE 1:

- PHASE OVERVIEW
- REMOVE EXISTING PAVEMENT, COLD MILL FULL DEPTH
 - SCARIFY AND RECOMPACT EXISTING AGGREGATE BASE
 - PAVE HOT MIX ASPHALT PAVEMENT (2" DEPTH)
 - UTILITY ADJUSTMENTS
 - APPLY PAVEMENT MARKINGS

- CONSTRUCTION DURATION
- 4 WORKING DAYS (24 HOUR WORK REQUIRED)

- ROADWAY IMPACT
- SOUTHBOUND LANE ON AIRPORT DRIVE CLOSED FROM ATLANTIC AVIATION FBO TO AIR COMMERCE CENTER.

PHASE 2:

- PHASE OVERVIEW
- REMOVE EXISTING PAVEMENT, COLD MILL FULL DEPTH
 - SCARIFY AND RECOMPACT EXISTING AGGREGATE BASE
 - PAVE HOT MIX ASPHALT PAVEMENT (4" DEPTH)
 - UTILITY ADJUSTMENTS
 - APPLY PAVEMENT MARKINGS

- CONSTRUCTION DURATION
- 4 WORKING DAYS (NIGHT WORK ONLY 2100-0600)

- ROADWAY IMPACT
- NORTHBOUND LANE ON AIRPORT DRIVE CLOSED FROM ATLANTIC AVIATION FBO TO AIR COMMERCE CENTER.
 - CONTRACTOR REQUIRED TO MAINTAIN ACCESS TO BUSINESSES ALONG AIRPORT DRIVE THROUGHOUT CONSTRUCTION DURING OUTSIDE WORK HOURS.

PHASE 3:

- PHASE OVERVIEW
- REMOVE EXISTING PAVEMENT, COLD MILL, VARIABLE DEPTH
 - PAVE HOT MIX ASPHALT PAVEMENT (2" DEPTH)
 - UTILITY ADJUSTMENTS
 - APPLY PAVEMENT MARKINGS

- CONSTRUCTION DURATION
- 4 WORKING DAYS (NIGHT WORK ONLY 2100-0600)

- ROADWAY IMPACT
- NORTHBOUND LANE OF AIRPORT DRIVE CLOSED NORTH OF AIRPORT BUSINESS CENTER PARKING LOT TO AIRPORT OPERATIONS BUILDING.
 - ACCESS ONTO N 75TH STREET SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION OUTSIDE WORK HOURS.

PHASE 4:

- PHASE OVERVIEW
- REMOVE EXISTING PAVEMENT, COLD MILL, VARIABLE DEPTH
 - PAVE HOT MIX ASPHALT PAVEMENT (2" DEPTH)
 - UTILITY ADJUSTMENTS
 - APPLY PAVEMENT MARKINGS

- CONSTRUCTION DURATION
- 4 WORKING DAYS (NIGHT WORK ONLY 2100-0600)

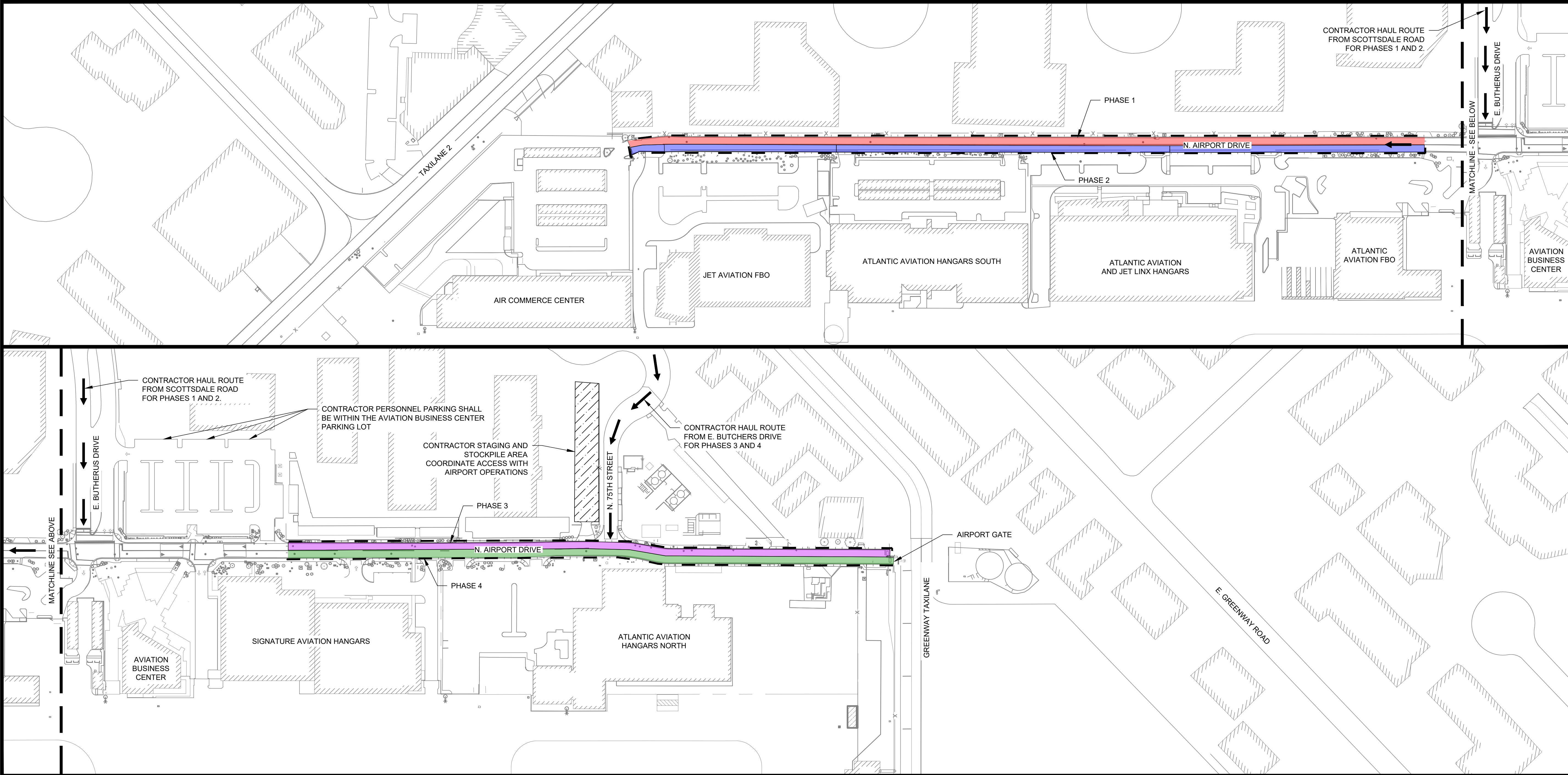
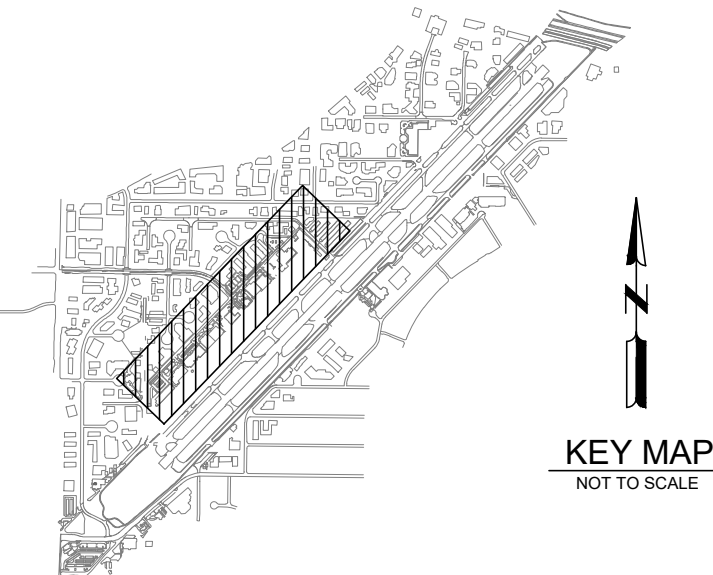
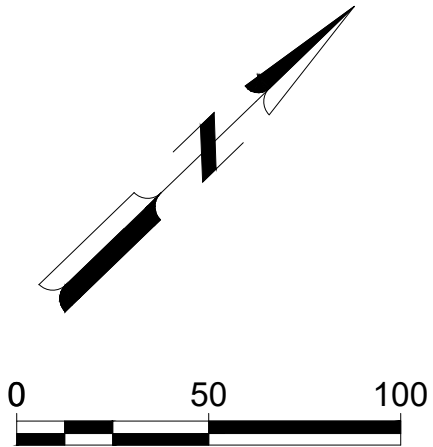
- ROADWAY IMPACT
- SOUTHBOUND LANE OF AIRPORT DRIVE CLOSED NORTH OF AIRPORT BUSINESS CENTER PARKING LOT TO AIRPORT OPERATIONS BUILDING. CONTRACTOR REQUIRED TO MAINTAIN ACCESS TO BUSINESSES ALONG AIRPORT DRIVE THROUGHOUT CONSTRUCTION DURING OUTSIDE WORK HOURS.

GENERAL PHASING NOTES:

1. PARKING FOR CONTRACTOR PERSONNEL SHALL BE AT THE DESIGNATED PARKING AREA SHOWN ON THE PLAN.
2. CONTRACTOR SHALL BE REQUIRED TO PROVIDE AND POSITION ALL TRAFFIC CONTROL DEVICES PER MAG STANDARD SPECIFICATION SECTION 401 ACROSS ALL PHASE LIMITS AND TO BARRICADE HAZARDOUS AREAS.
3. ALL CONSTRUCTION EQUIPMENT AND VEHICLES SHALL REMAIN WITHIN THE DEFINED PROJECT LIMITS AND UTILIZE APPROVED HAUL ROUTES AS SHOWN ON THE PLANS. REQUESTS FOR ALTERNATE HAUL ROUTES BEYOND THE PROJECT LIMITS SHALL BE SUBMITTED IN WRITING AND APPROVED BY THE ENGINEER.
4. CONTRACTOR SHALL VACUUM SWEEP ALL HAUL ROUTES AND THE PROJECT AREA CONTINUOUSLY DURING CONSTRUCTION ACTIVITIES, AT THE END OF EACH WORK SHIFT, AND AT THE DIRECTION OF THE ENGINEER.
5. AT THE COMPLETION OF COLD MILLING SHIFTS, CONTRACTOR SHALL PLACE TEMPORARY RAMPS MADE OF ASPHALT MILLINGS AT ALL VERTICAL EDGES OF THE ROAD THAT WILL HAVE VEHICLE TRAFFIC.
6. CONTRACTOR SHALL COORDINATE TRAFFIC CONTROL PLAN AND PERMIT REQUIREMENTS FOR PARTIAL ROAD CLOSURES WITH THE CITY OF SCOTTSDALE. ALL COSTS ASSOCIATED SHALL BE INCIDENTAL TO THE PROJECT.
7. CONTRACTOR SHALL SUBMIT A BARRICADE AND FLAGGER PLAN TO BE SUBMITTED TO THE AIRPORT AND ENGINEER FOR REVIEW AND APPROVAL PRIOR TO THE START OF CONSTRUCTION. AT A MINIMUM, THE BARRICADE PLAN SHALL SHOW THE BARRICADES / TRAFFIC CONES ALONG THE PHASE LIMITS AND THE SIGNAGE NECESSARY FOR THE PARTIAL ROAD CLOSURE. ONCE APPROVED BY ENGINEER AND AIRPORT, THE BARRICADE PLAN SHALL BE SUBMITTED TO THE CITY OF SCOTTSDALE. ALL COSTS ASSOCIATED SHALL BE INCLUDED IN THE LINE ITEM FOR TRAFFIC CONTROL DEVICES.
8. ALL UTILITY ADJUSTMENTS AND APPLICATION OF PAVEMENT MARKINGS CAN BE COMPLETED AS ONE INDEPENDENT PHASE AFTER ALL OTHER PHASES AND PROJECT ELEMENTS HAVE BEEN COMPLETED.
9. PHASES 3 AND 4 ARE ALLOWED TO BE COMPLETED CONCURRENTLY DURING NIGHT HOURS BETWEEN 2100 - 0600.

LEGEND:

- PHASE 1
- PHASE 2
- PHASE 3
- PHASE 4
- PROJECT AREA
- CONTRACTOR STAGING AREA
- CONTRACTOR HAUL ROUTE



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SCOTTSDALE AIRPORT
AIRPORT DRIVE REHABILITATION

15000 N. AIRPORT DRIVE
SCOTTSDALE, AZ 85260

ISSUED
CONSTRUCTION
DOCUMENTS

M&H NO.: 2886300-221379.01
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SHEET CONTENTS
CONSTRUCTION
SAFETY AND PHASING
PLAN - OVERVIEW

SHEET NO. 6 of 29

G-081

LEGEND:

- PHASE 1
- CONTRACTOR STAGING AREA
- CONTRACTOR HAUL ROUTE

PHASE 1:

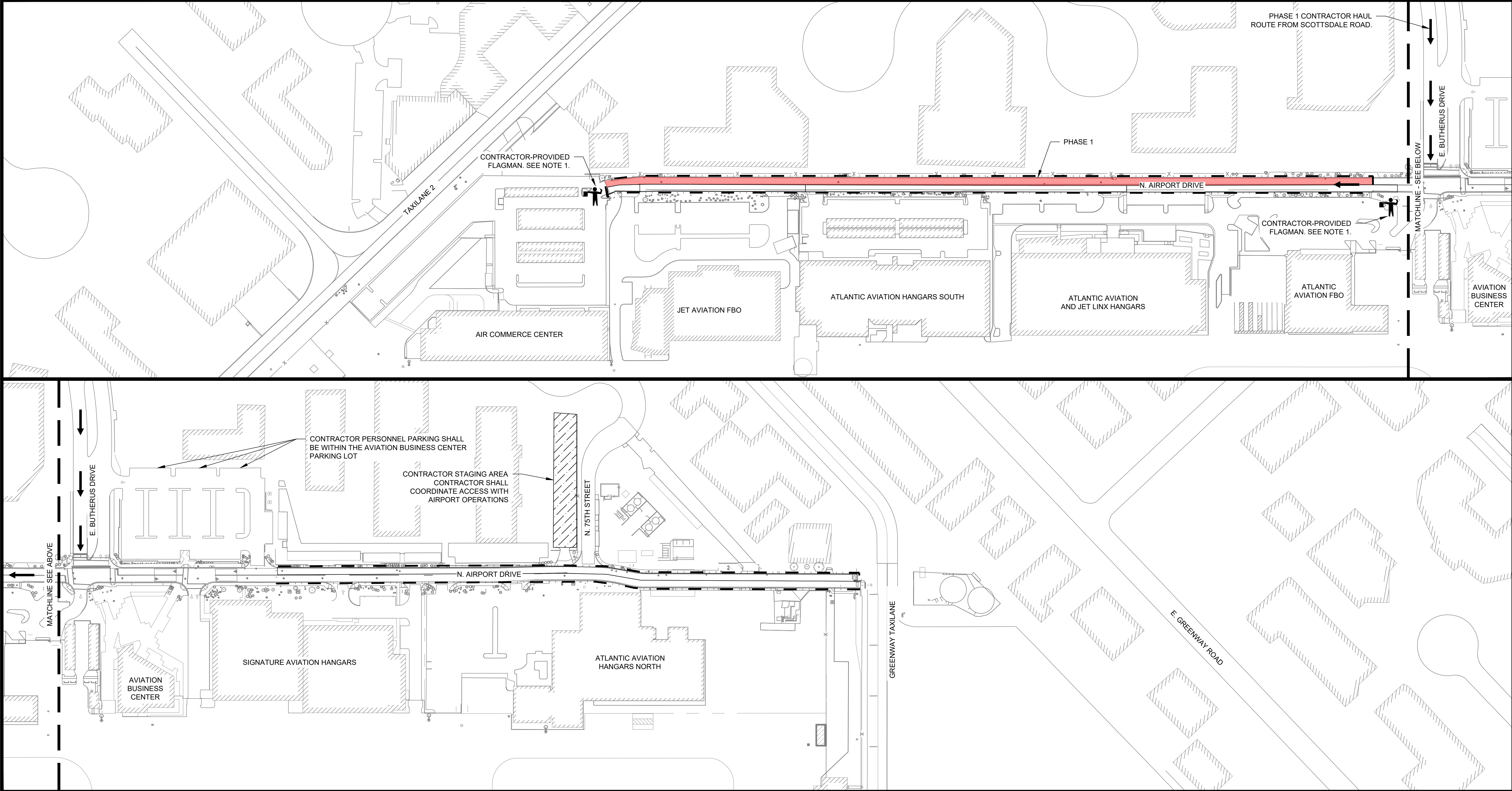
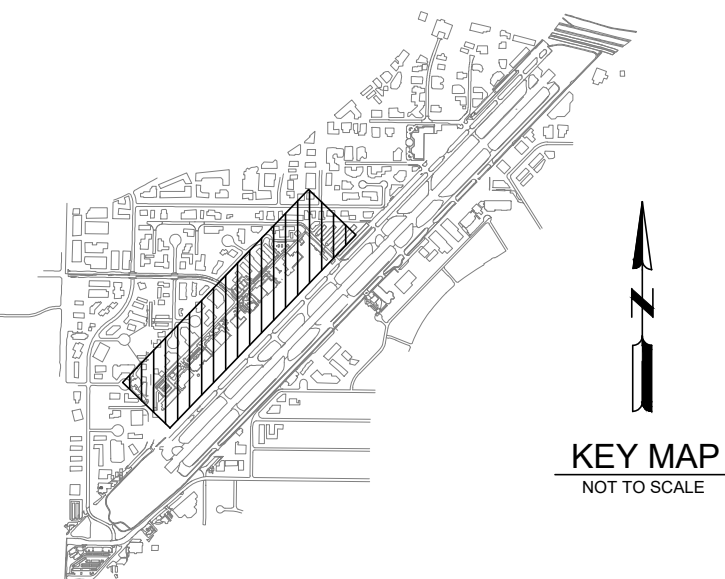
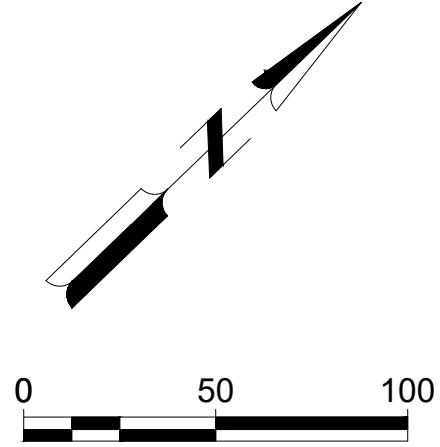
- PHASE OVERVIEW
- REMOVE EXISTING PAVEMENT, COLD MILL FULL DEPTH
 - SCARIFY AND RECOMPACT EXISTING AGGREGATE BASE
 - PAVE HOT MIX ASPHALT PAVEMENT (4" DEPTH)
 - UTILITY ADJUSTMENTS
 - APPLY PAVEMENT MARKINGS

- CONSTRUCTION DURATION
- 4 WORKING DAYS (24 HOUR WORK REQUIRED)

- ROADWAY IMPACT
- SOUTHBOUND LANE ON AIRPORT DRIVE CLOSED FROM ATLANTIC AVIATION FBO TO AIR COMMERCE CENTER.

PHASE NOTES:

1. CONTRACTOR SHALL PROVIDE A FLAGMAN TO CONTROL TWO-WAY TRAFFIC ON THE SINGLE SIDE OF THE STREET THROUGHOUT THE DURATION OF THE PHASE THAT REQUIRES PARTIAL CLOSURE OF AIRPORT DRIVE. ALL TRAFFIC CONTROL SHALL COMPLY WITH MAG SECTION 401. FLAGMAN SHALL BE PROVIDED AT ALL TIMES DURING WORK HOURS (24 HOURS A DAY).



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SCOTTSDALE AIRPORT
AIRPORT DRIVE REHABILITATION

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SHEET CONTENTS
CONSTRUCTION
SAFETY AND PHASING
PLAN - PHASE 1

SHEET NO. 7 of 29

G-082

LEGEND:

- PHASE 2
- CONTRACTOR STAGING AREA
- CONTRACTOR HAUL ROUTE

PHASE 2:

PHASE OVERVIEW

- REMOVE EXISTING PAVEMENT, COLD MILL FULL DEPTH
- SCARIFY AND RECOMPACT EXISTING AGGREGATE BASE
- PAVE HOT MIX ASPHALT PAVEMENT (4" DEPTH)
- UTILITY ADJUSTMENTS
- APPLY PAVEMENT MARKINGS

CONSTRUCTION DURATION

- 4 WORKING DAYS (NIGHT WORK ONLY 2100-0600)

ROADWAY IMPACT

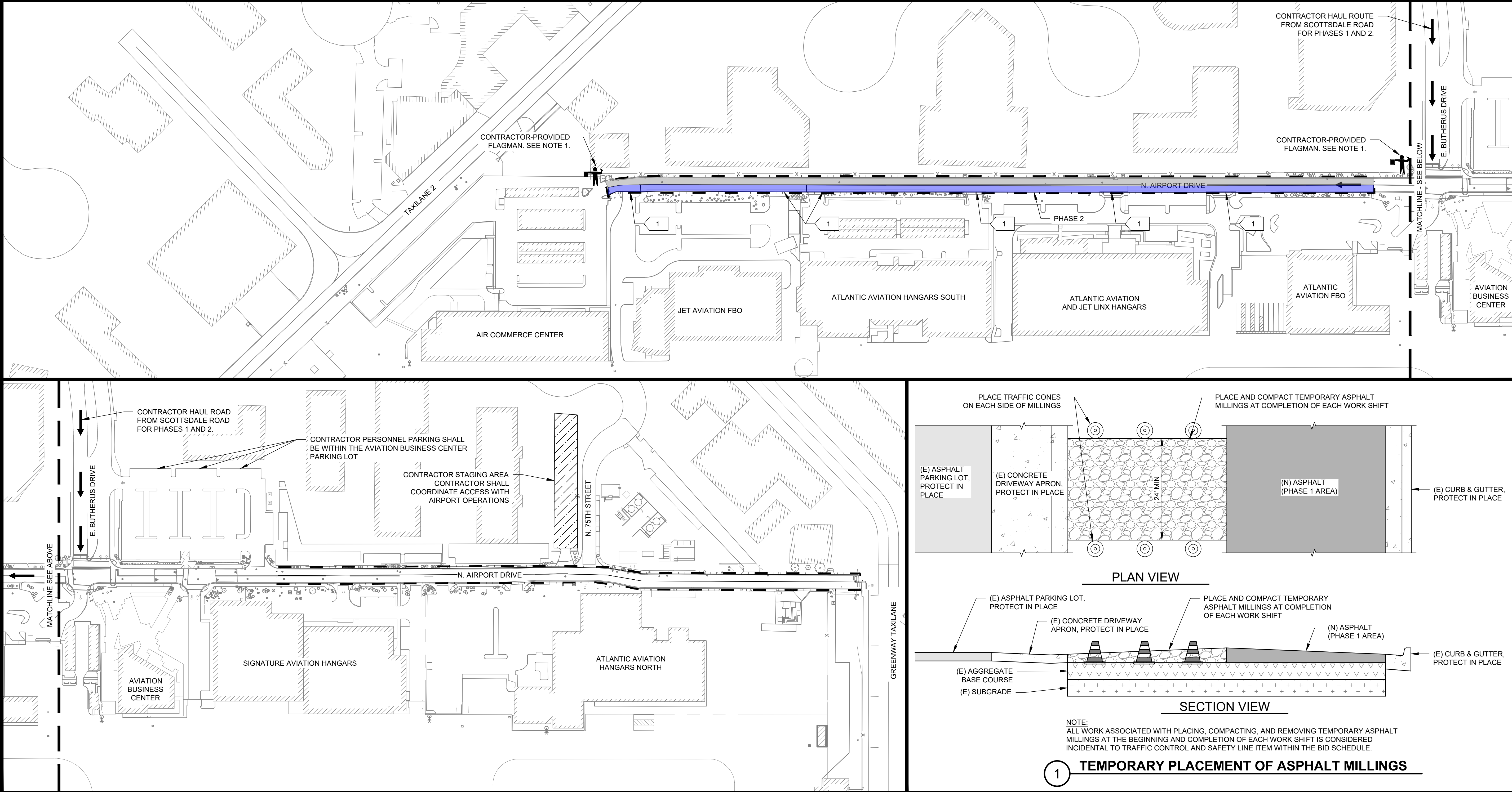
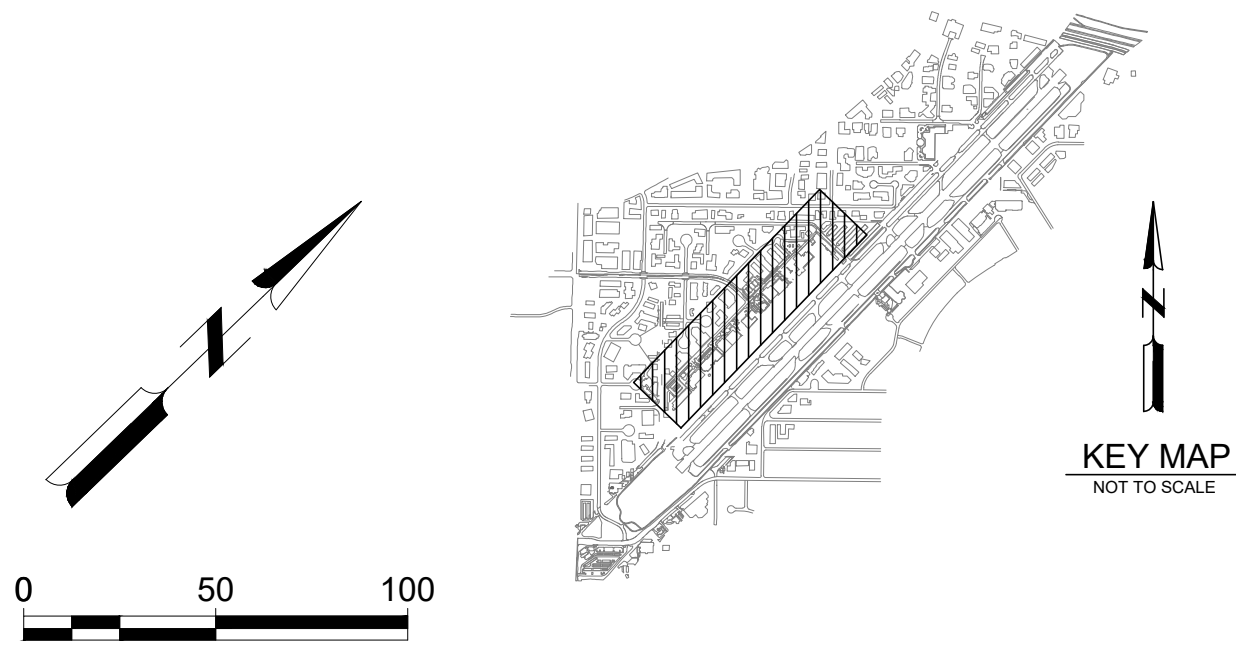
- NORTHBOUND LANE ON AIRPORT DRIVE CLOSED FROM ATLANTIC AVIATION FBO TO AIR COMMERCE CENTER.
- CONTRACTOR REQUIRED TO MAINTAIN ACCESS TO BUSINESSES ALONG AIRPORT DRIVE THROUGHOUT CONSTRUCTION DURING OUTSIDE WORK HOURS.

PHASE NOTES:

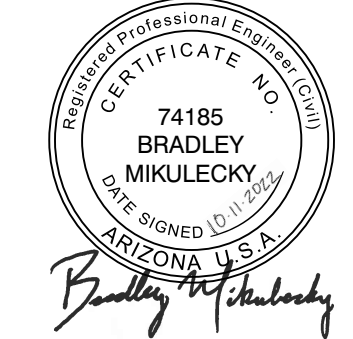
1. CONTRACTOR SHALL PROVIDE A FLAGMAN TO CONTROL TWO-WAY TRAFFIC ON THE SINGLE SIDE OF THE STREET THROUGHOUT THE DURATION OF THE PHASE THAT REQUIRES PARTIAL CLOSURE OF AIRPORT DRIVE. ALL TRAFFIC CONTROL SHALL COMPLY WITH MAG SECTION 401. FLAGMAN SHALL BE PROVIDED AT ALL TIMES DURING WORK HOURS (24 HOURS A DAY) AND OUTSIDE WORK HOURS WHEN OUTBOUND LANE ON AIRPORT DRIVE IS CLOSED.

KEYNOTES:

- 1
- CONTRACTOR SHALL PLACE AND COMPACT TEMPORARY ASPHALT MILLINGS ACROSS THE ROAD PER DETAIL 1/G-083 AT THE COMPLETION OF EACH WORK SHIFT



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SCOTTSDALE AIRPORT
AIRPORT DRIVE REHABILITATION

15000 N. AIRPORT DRIVE
SCOTTSDALE, AZ 85260

ISSUED
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DOCUMENTS

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SHEET CONTENTS
CONSTRUCTION
SAFETY AND PHASING
PLAN - PHASE 2

SHEET NO. 8 of 29

G-083

LEGEND:

- PHASE 3
- CONTRACTOR STAGING AREA
- CONTRACTOR HAUL ROUTE

PHASE 3:

PHASE OVERVIEW

- REMOVE EXISTING PAVEMENT, COLD MILL, VARIABLE DEPTH
- PAVE HOT MIX ASPHALT PAVEMENT (2" DEPTH)
- UTILITY ADJUSTMENTS
- APPLY PAVEMENT MARKINGS

CONSTRUCTION DURATION

- 4 WORKING DAYS (NIGHT WORK ONLY 2100-0600)

ROADWAY IMPACT

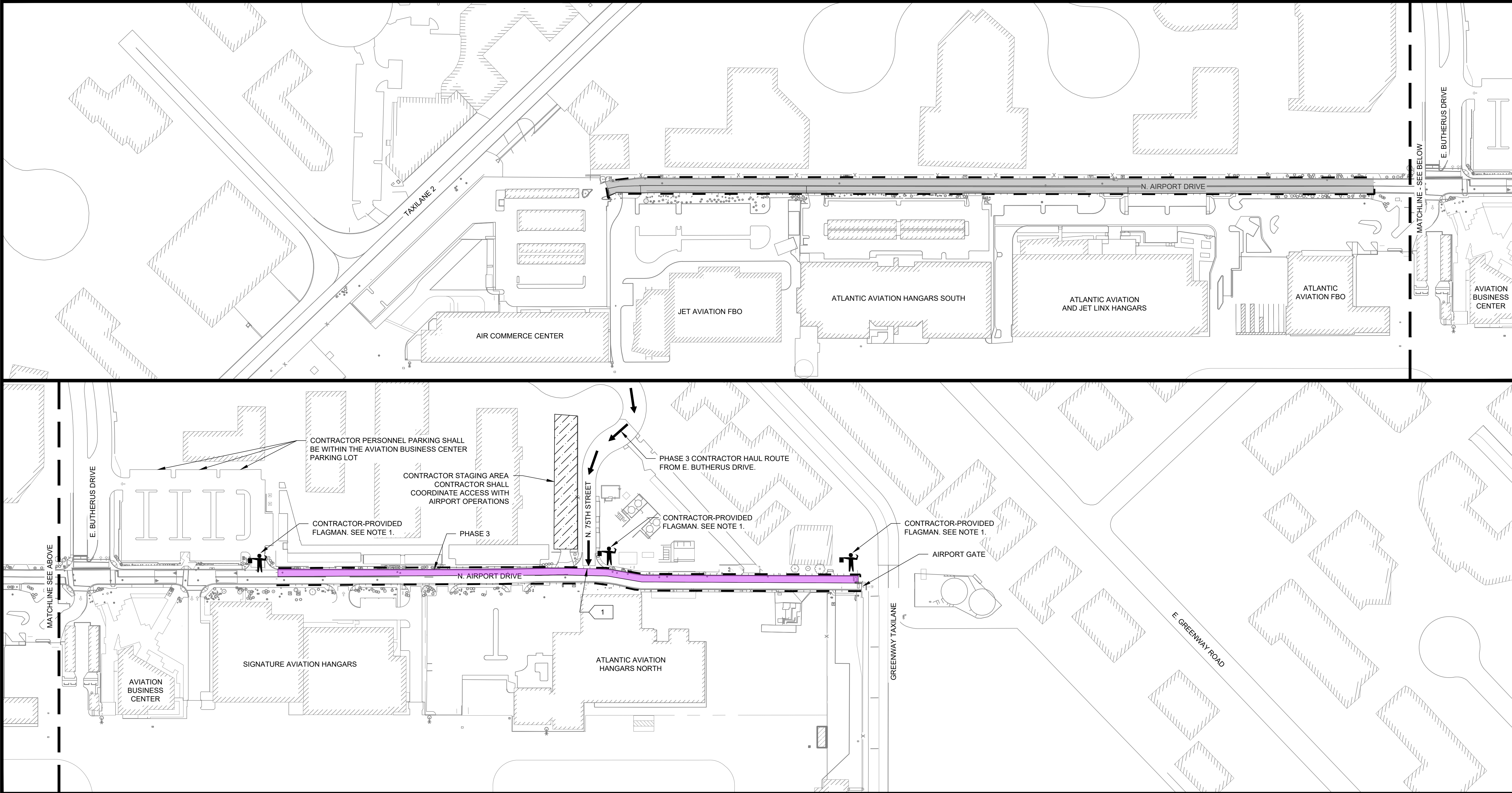
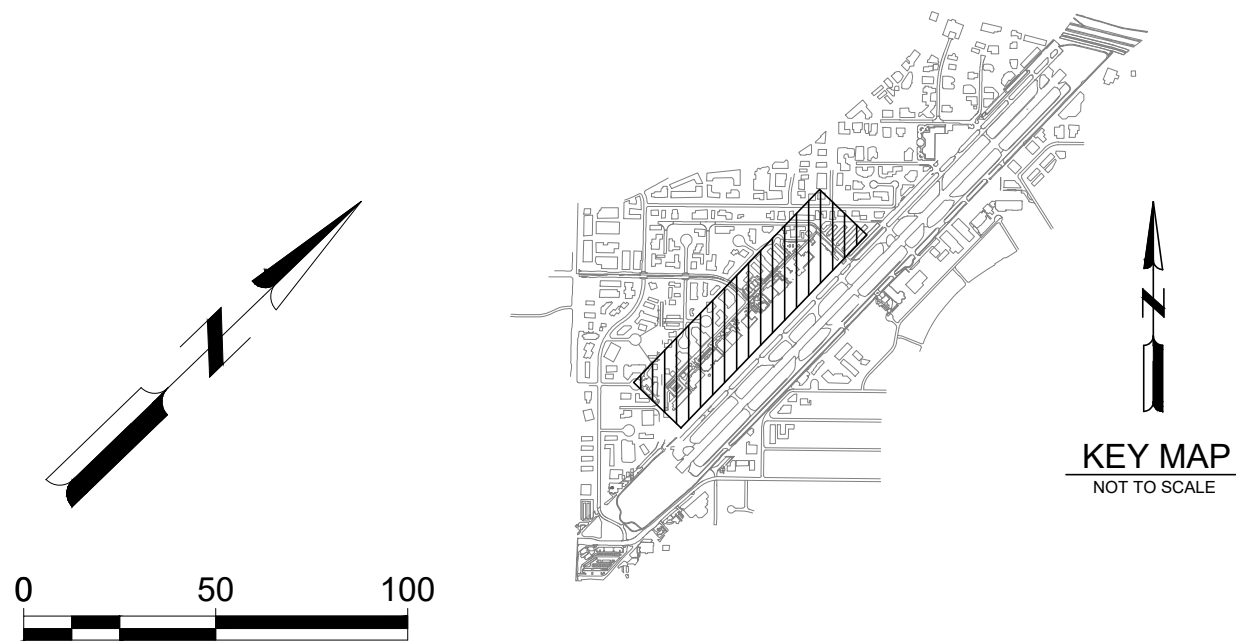
- NORTHBOUND LANE OF AIRPORT DRIVE CLOSED NORTH OF AIRPORT BUSINESS CENTER PARKING LOT TO AIRPORT OPERATIONS BUILDING.
- ACCESS ONTO N 75TH STREET SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION OUTSIDE WORK HOURS.

PHASE NOTES:

- CONTRACTOR SHALL PROVIDE A FLAGMAN TO CONTROL TWO-WAY TRAFFIC ON THE SINGLE SIDE OF THE STREET THROUGHOUT THE DURATION OF THE PHASE THAT REQUIRES PARTIAL CLOSURE OF AIRPORT DRIVE. ALL TRAFFIC CONTROL SHALL COMPLY WITH MAG SECTION 401.

KEYNOTES:

- CONTRACTOR SHALL PLACE AND COMPACT ASPHALT MILLINGS ACROSS THE ROAD PER DETAIL 1/G-083 AT THE COMPLETION OF EACH PROJECT SHIFT



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SCOTTSDALE AIRPORT
AIRPORT DRIVE REHABILITATION

15000 N. AIRPORT DRIVE
SCOTTSDALE, AZ 85260

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SHEET CONTENTS
CONSTRUCTION
SAFETY AND PHASING
PLAN - PHASE 3

SHEET NO. 9 of 29

G-084

LEGEND

- PHASE 4
- CONTRACTOR STAGING AREA
- CONTRACTOR HAUL ROUTE

PHASE 4:

1. REMOVE EXISTING PAVEMENT, COLD MILL, VARIABLE DEPTH
2. SCARIFY AND RECOMPACT EXISTING AGGREGATE BASE
3. PAVE HOT MIX ASPHALT PAVEMENT (6" DEPTH MAX.)
4. UTILITY ADJUSTMENTS

CONSTRUCTION DURATION
4 WORKING DAYS (NIGHT WORK ONLY 2100-0600)

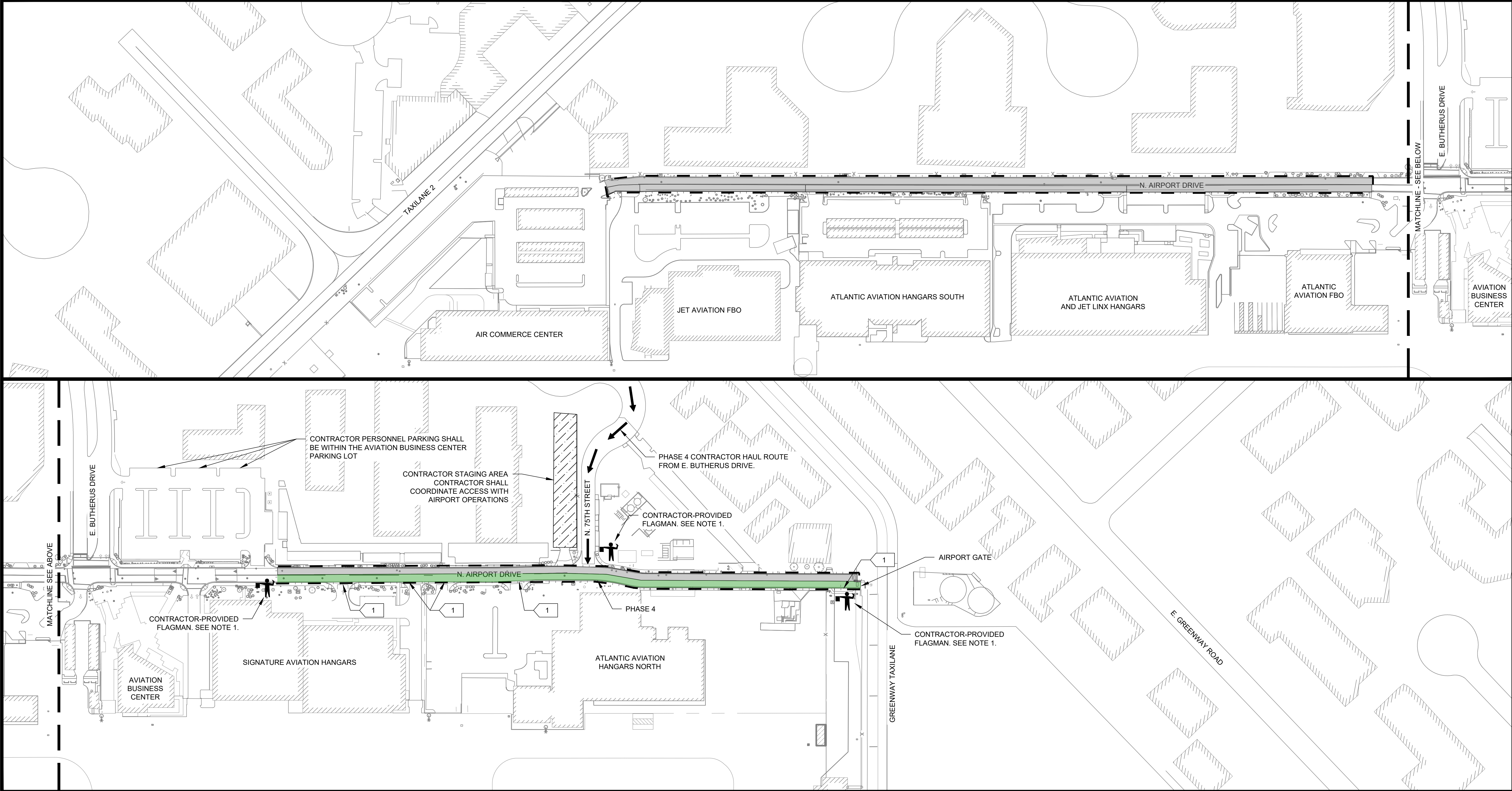
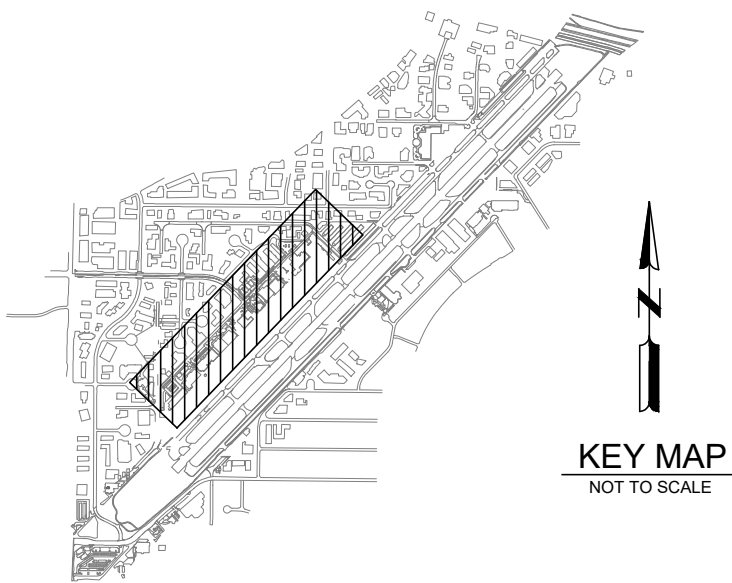
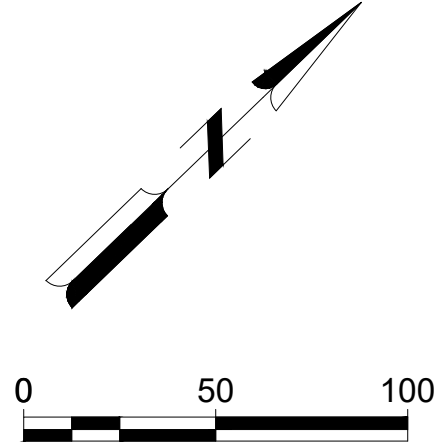
OPERATIONAL IMPACT
CONTRACTOR REQUIRED TO PROVIDE FLAGMEN ON NORTH AND SOUTH PHASE LIMITS TO CONTROL TRAFFIC 24/7 DURING DURATION OF THE PHASE.

PHASE NOTES:

1. CONTRACTOR SHALL PROVIDE A FLAGMAN TO CONTROL TWO-WAY TRAFFIC ON THE SINGLE SIDE OF THE STREET THROUGHOUT THE DURATION OF THE PHASE THAT REQUIRES PARTIAL CLOSURE OF AIRPORT DRIVE. ALL TRAFFIC CONTROL SHALL COMPLY WITH MAG SECTION 401.

KEYNOTES:

- 1
- CONTRACTOR SHALL PLACE AND COMPACT ASPHALT MILLINGS ACROSS THE ROAD PER DETAIL 1/G-083 AT THE COMPLETION OF EACH PROJECT SHIFT



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SCOTTSDALE AIRPORT
AIRPORT DRIVE REHABILITATION

15000 N. AIRPORT DRIVE
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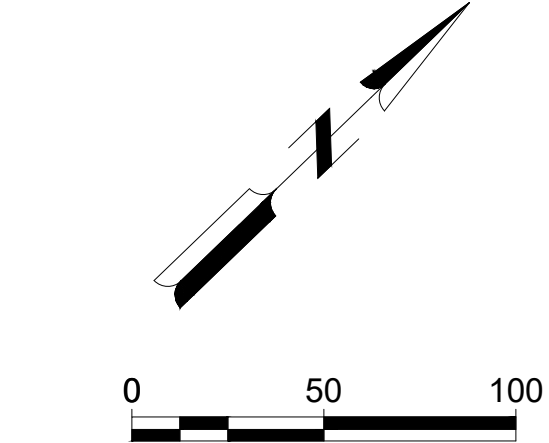
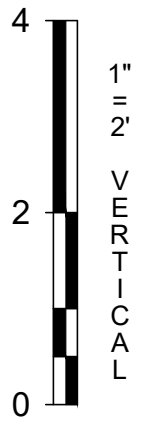
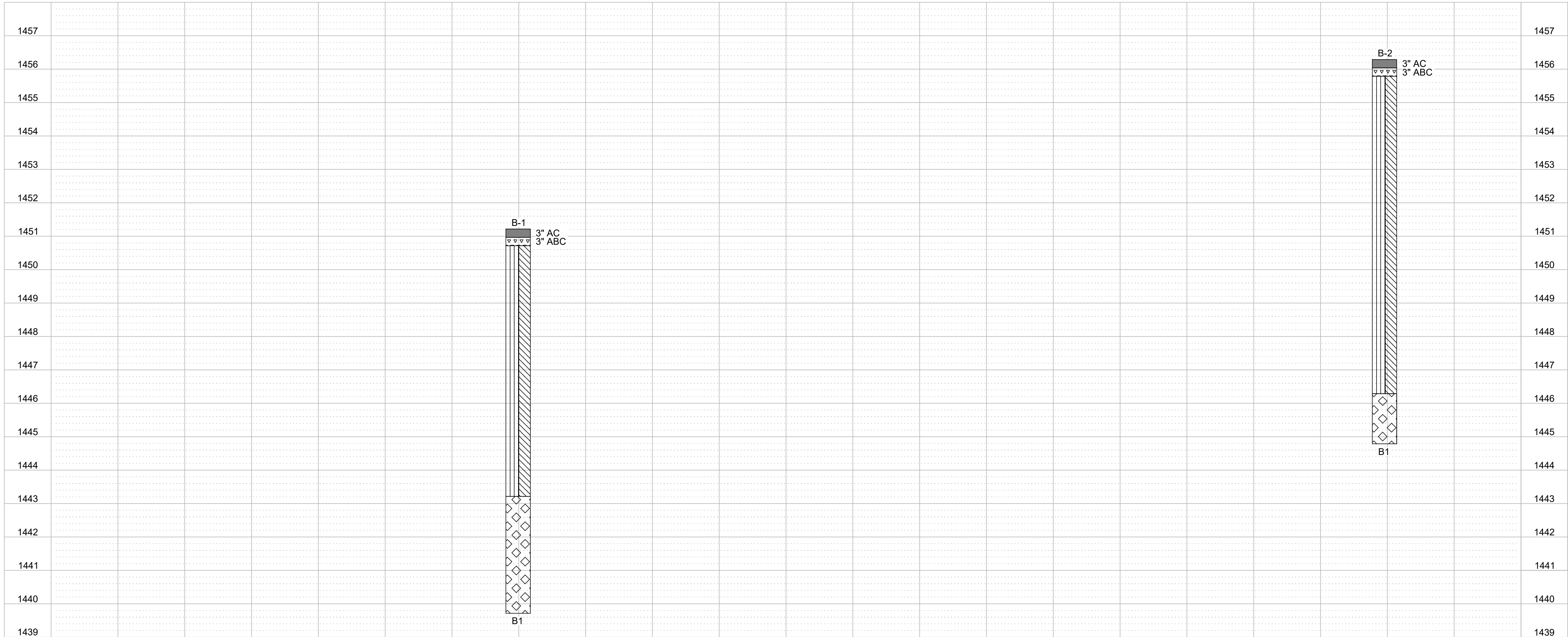
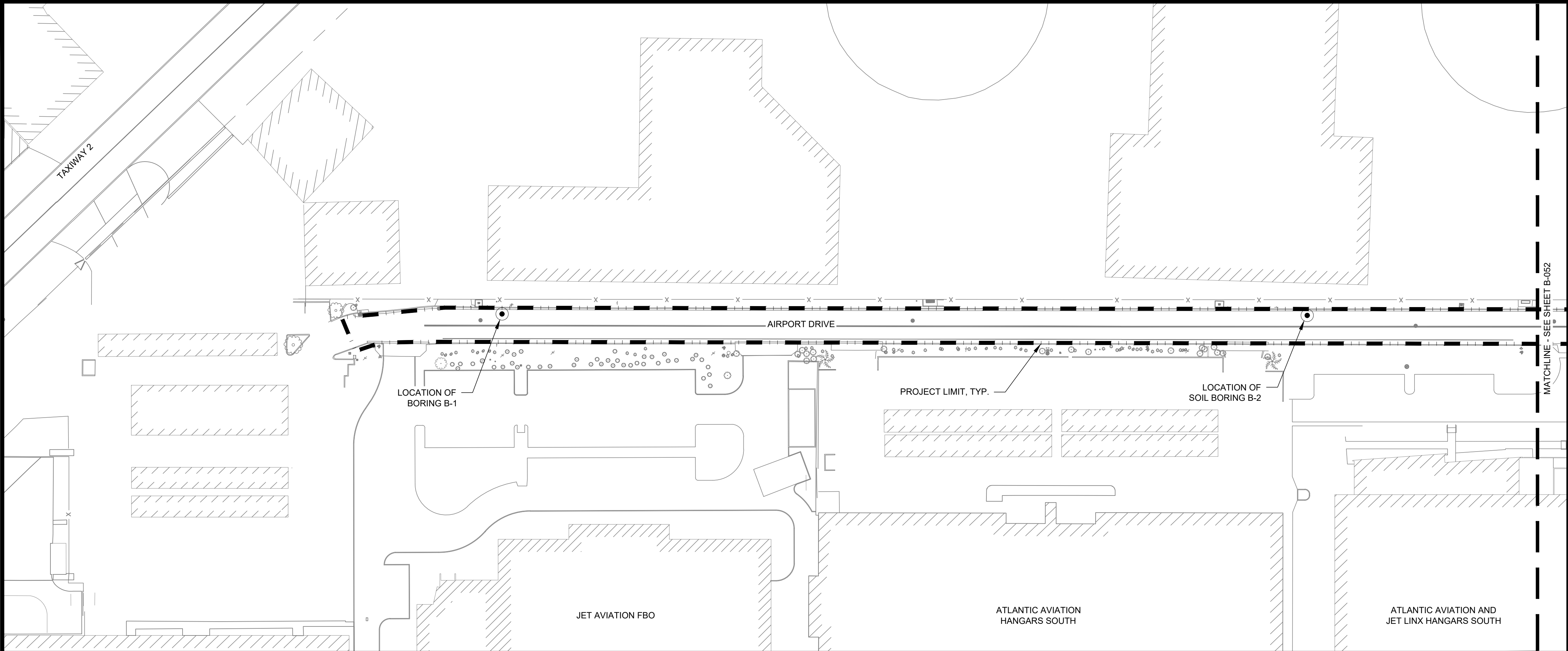
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SHEET CONTENTS
CONSTRUCTION
SAFETY AND PHASING
PLAN - PHASE 4

SHEET NO. 10 of 29

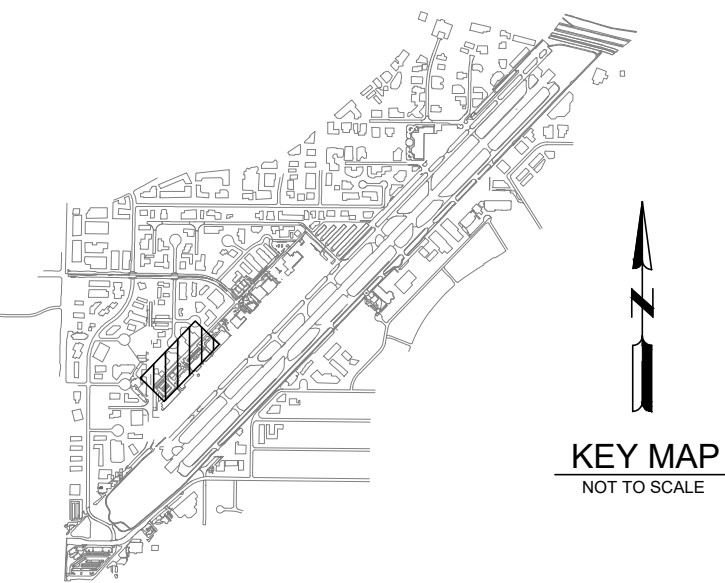
G-085

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- NOTES:
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 2. THE FULL GEOTECHNICAL REPORT IS INCLUDED WITH THE PROJECT SPECIFICATIONS.
 3. PICTURES OF ASPHALT CORES ARE INCLUDED IN THE GEOTECHNICAL REPORT.
- LEGEND:

- ASPHALT CONCRETE
- AGGREGATE BASE COURSE
- SANDY LEAN CLAY
- CLAYEY SAND
- SILTY CLAYEY SAND



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SCOTTSDALE AIRPORT AIRPORT DRIVE REHABILITATION

15000 N. AIRPORT DRIVE
SCOTTSDALE, AZ 85260

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CONSTRUCTION
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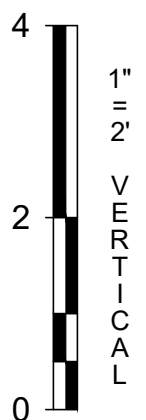
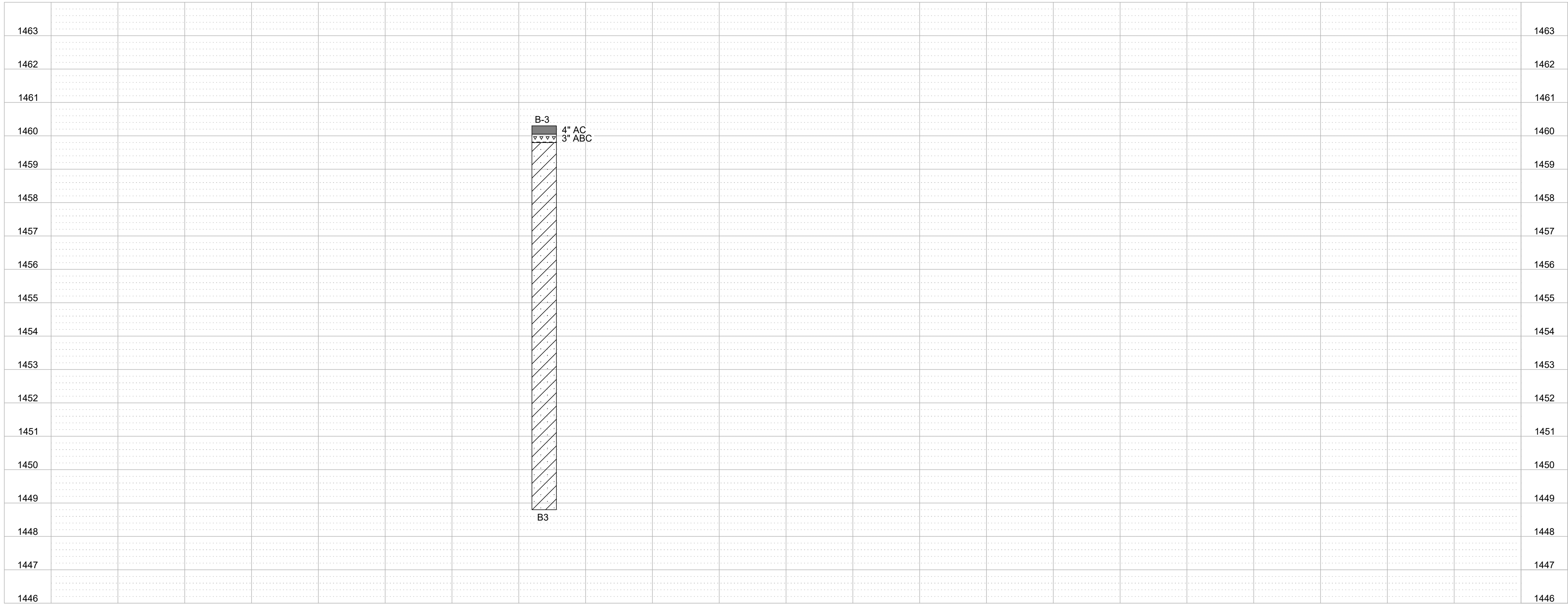
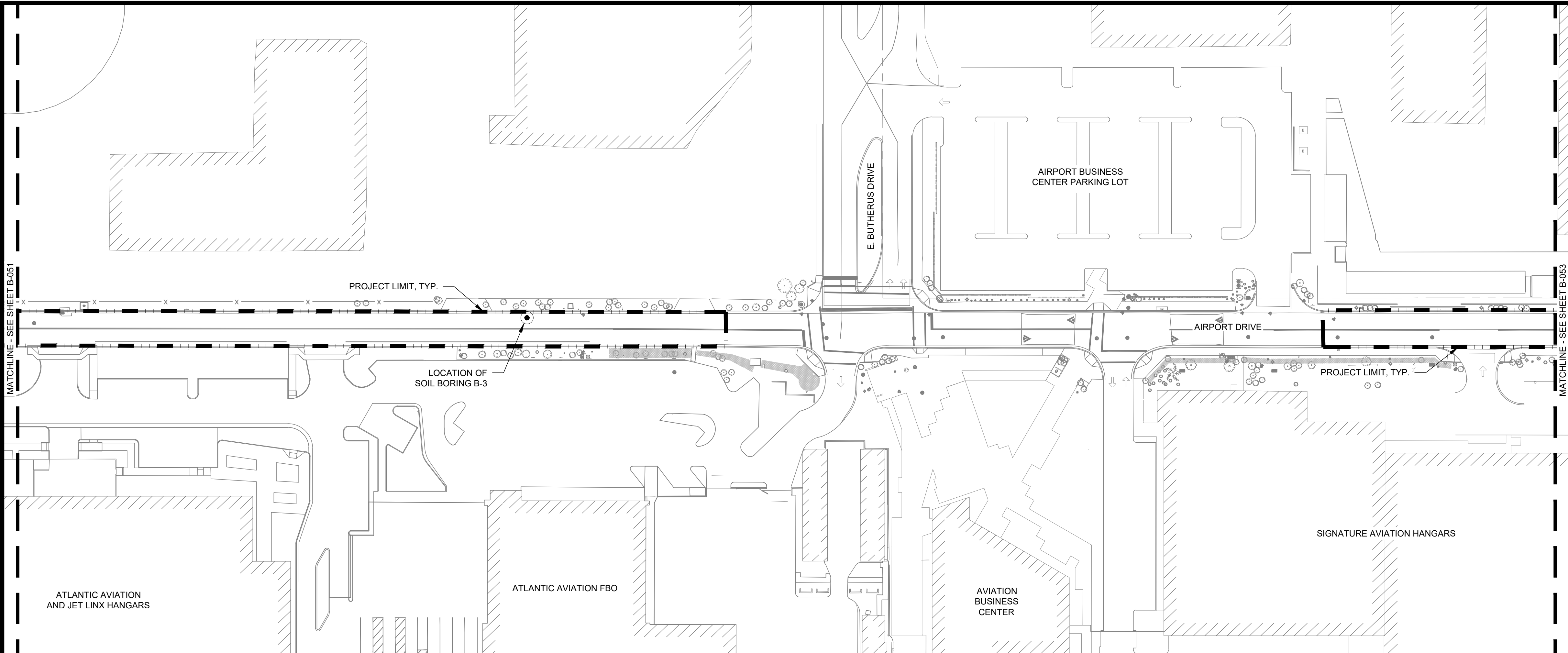
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SHEET CONTENTS
SOIL BORING PLAN

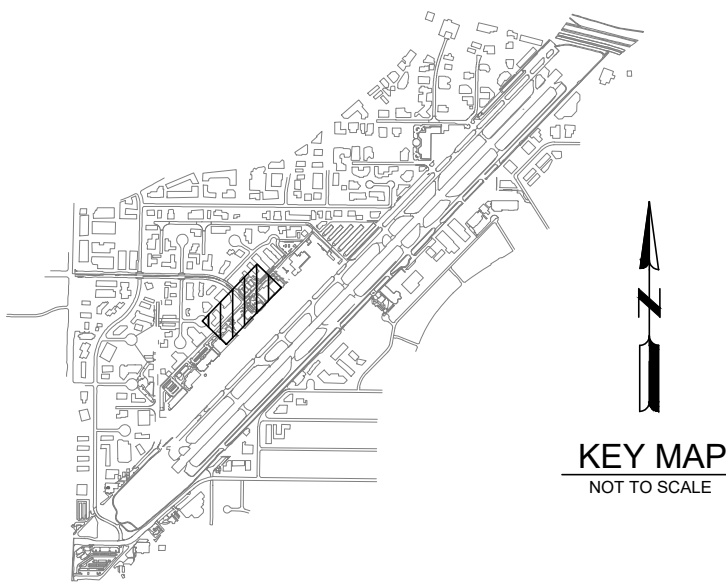
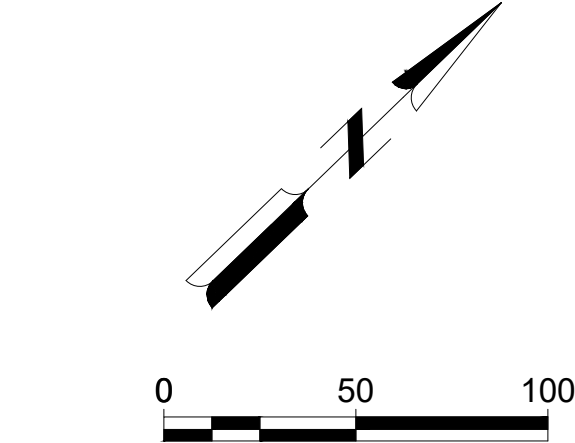
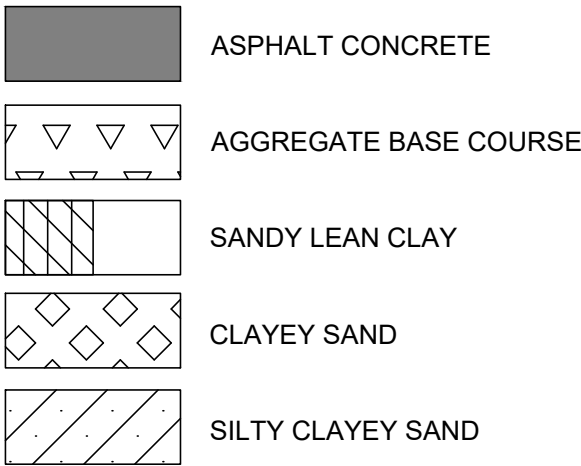
SHEET NO. 11 of 29

B-051

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- NOTES:
1. INFORMATION PROVIDED IS BASED ON THE "GEOTECHNICAL EVALUATION REPORT" DATED AUGUST 8, 2022.
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 3. PICTURES OF ASPHALT CORES ARE INCLUDED IN THE GEOTECHNICAL REPORT.
- LEGEND:



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SCOTTSDALE AIRPORT AIRPORT DRIVE REHABILITATION

15000 N. AIRPORT DRIVE
SCOTTSDALE, AZ 85260

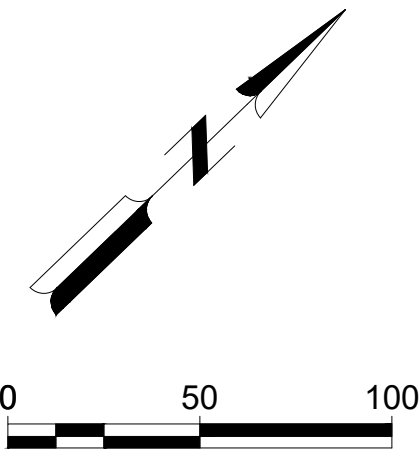
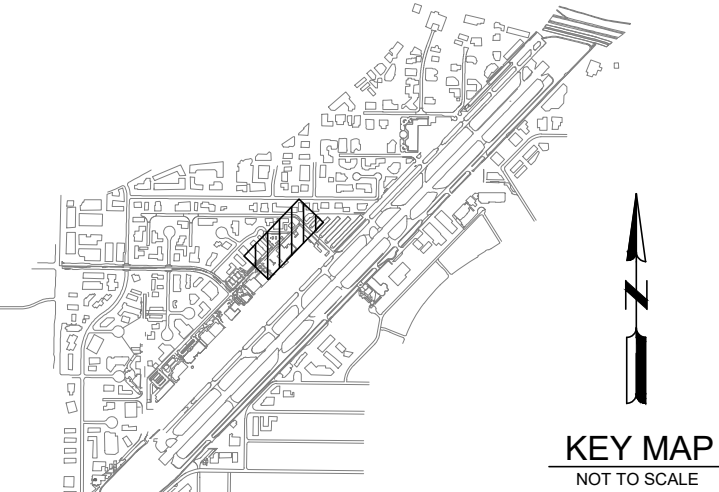
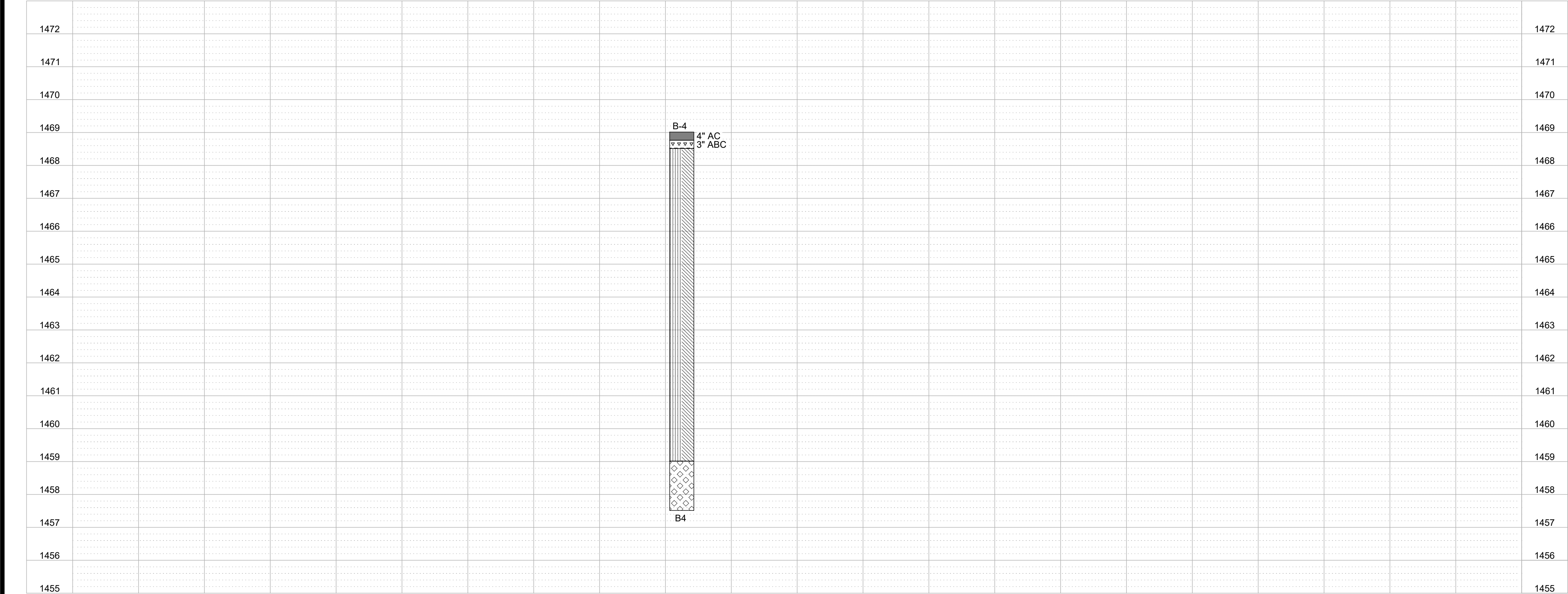
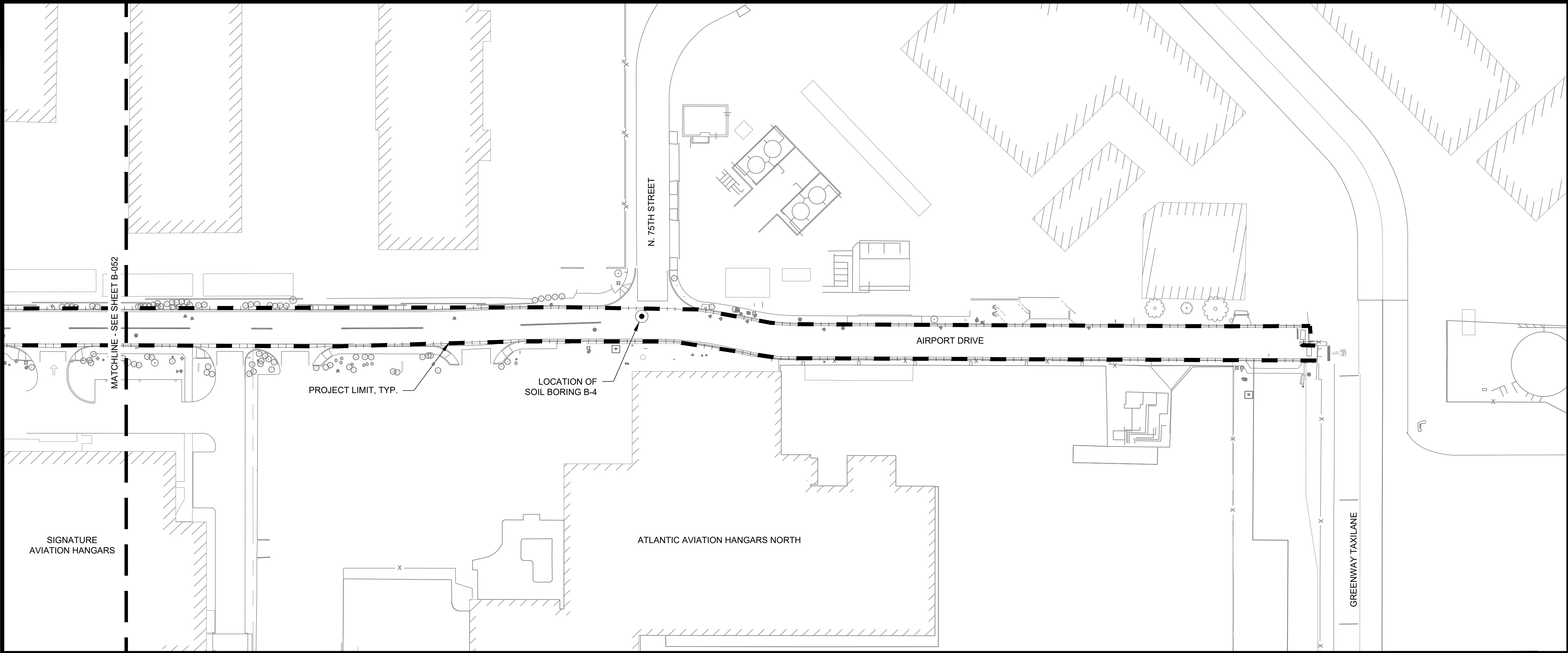
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SHEET CONTENTS
SOIL BORING PLAN

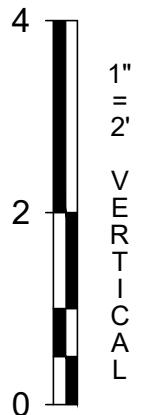
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B-052



- NOTES:
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 2. THE FULL GEOTECHNICAL REPORT IS INCLUDED WITH THE PROJECT SPECIFICATIONS.
 3. PICTURES OF ASPHALT CORES ARE INCLUDED IN THE GEOTECHNICAL REPORT.

- LEGEND:
- ASPHALT CONCRETE
 - AGGREGATE BASE COURSE
 - SANDY LEAN CLAY
 - CLAYEY SAND
 - SILTY CLAYEY SAND



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phone: 480-718-1896
meadhunt.com

REGISTERED PROFESSIONAL ENGINEER
CERTIFICATE NO. 74185
BRADLEY MIKULECKY
DATE SIGNED 10/11/2022
ARIZONA U.S.A.

Bradley Mikulecky

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SCOTTSDALE AIRPORT
AIRPORT DRIVE REHABILITATION

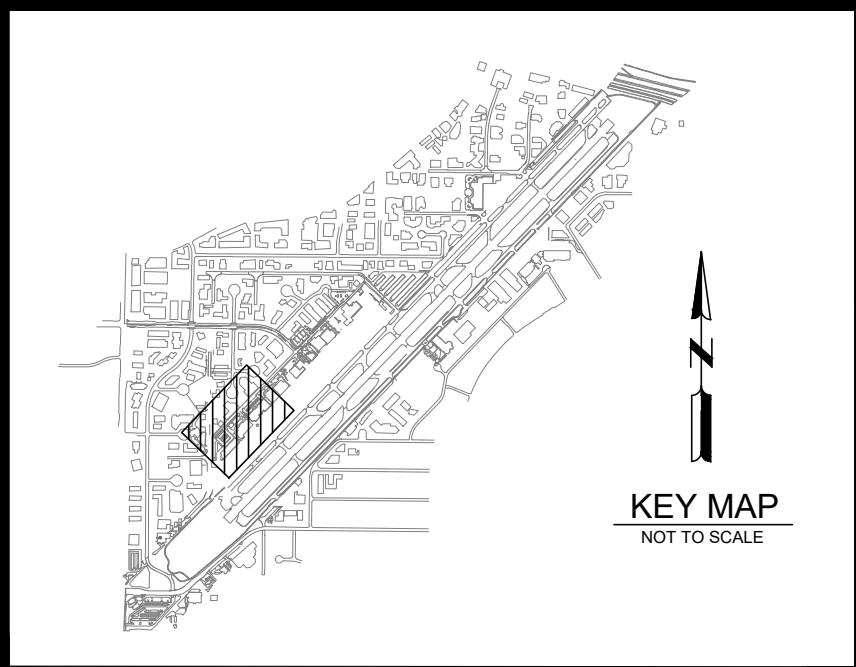
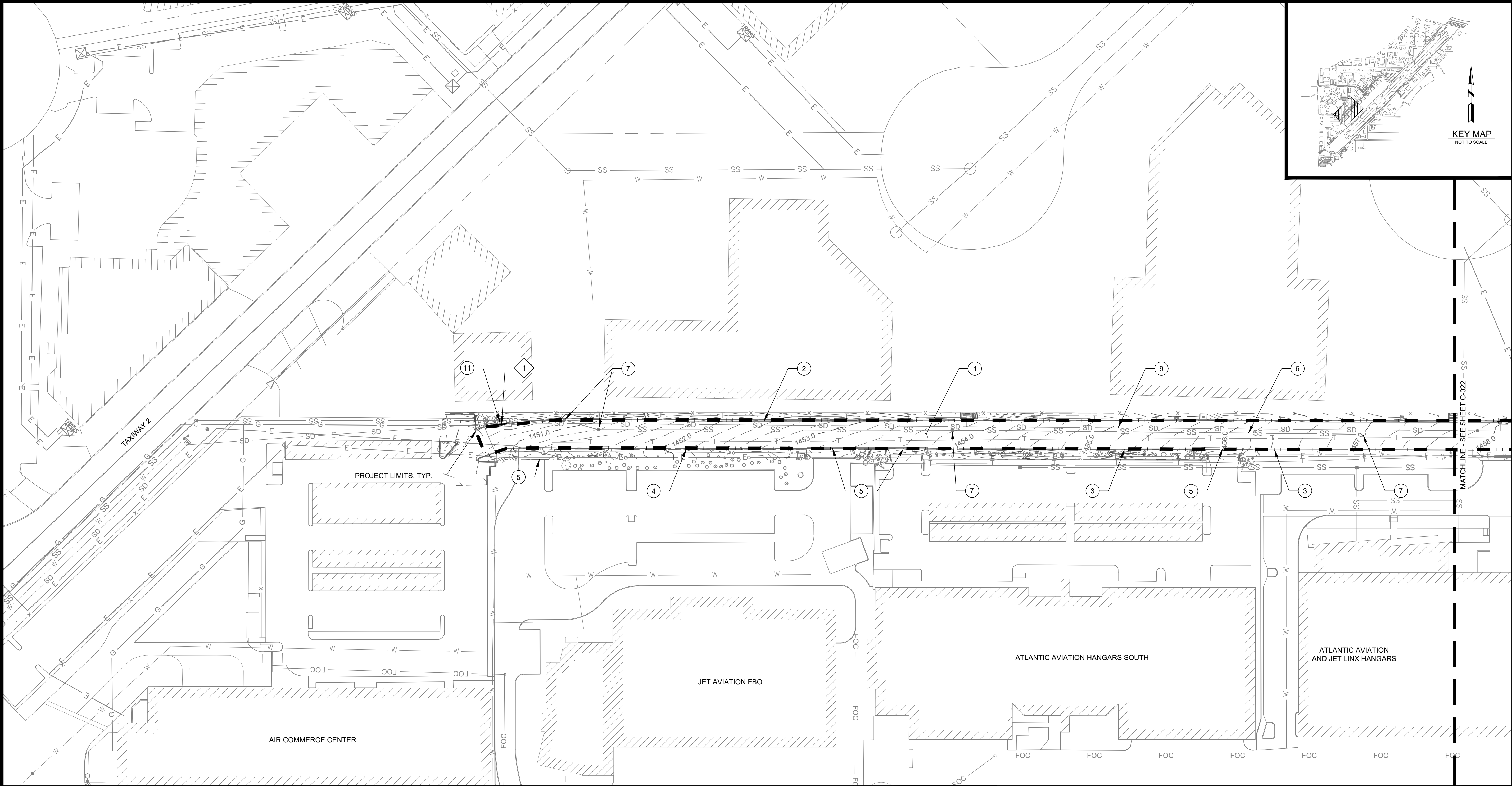
15000 N. AIRPORT DRIVE
SCOTTSDALE, AZ 85260

ISSUED
CONSTRUCTION DOCUMENTS

M&H NO.: 2886300-221379.01
DATE: OCTOBER 2022
DESIGNED BY: BJM
DRAWN BY: RJK
CHECKED BY: DPS
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SHEET CONTENTS
SOIL BORING PLAN

X:\2886300\221379.01\TECH\DRAWINGS\C-021 EROSION CONTROL AND EXISTING SITE PLAN .DWG
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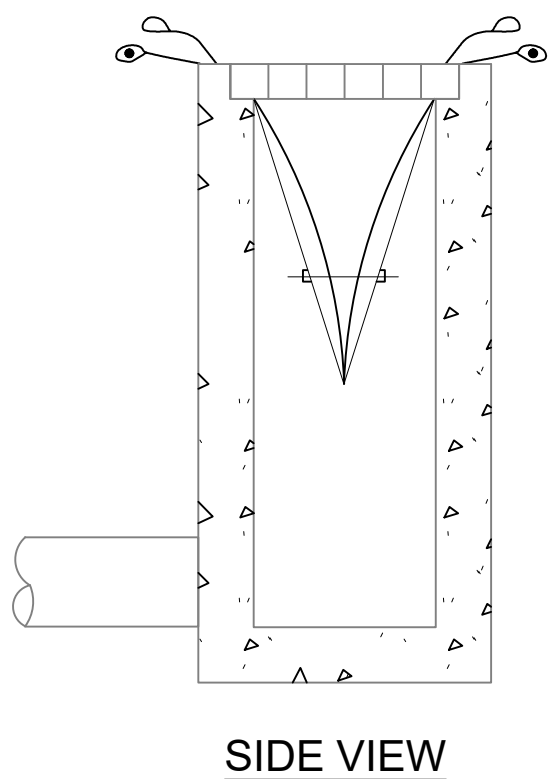
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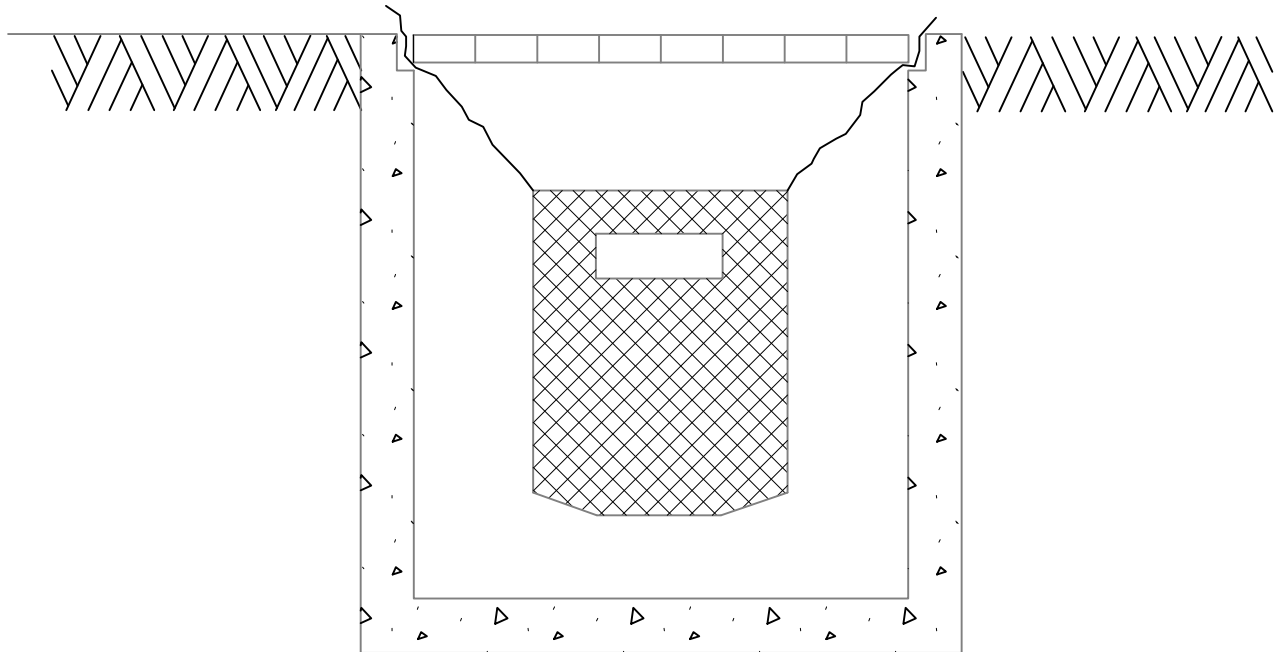
**SCOTTSDALE AIRPORT
AIRPORT DRIVE REHABILITATION**

15000 N. AIRPORT DRIVE
SCOTTSDALE, AZ 85260

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CONSTRUCTION
DOCUMENTS

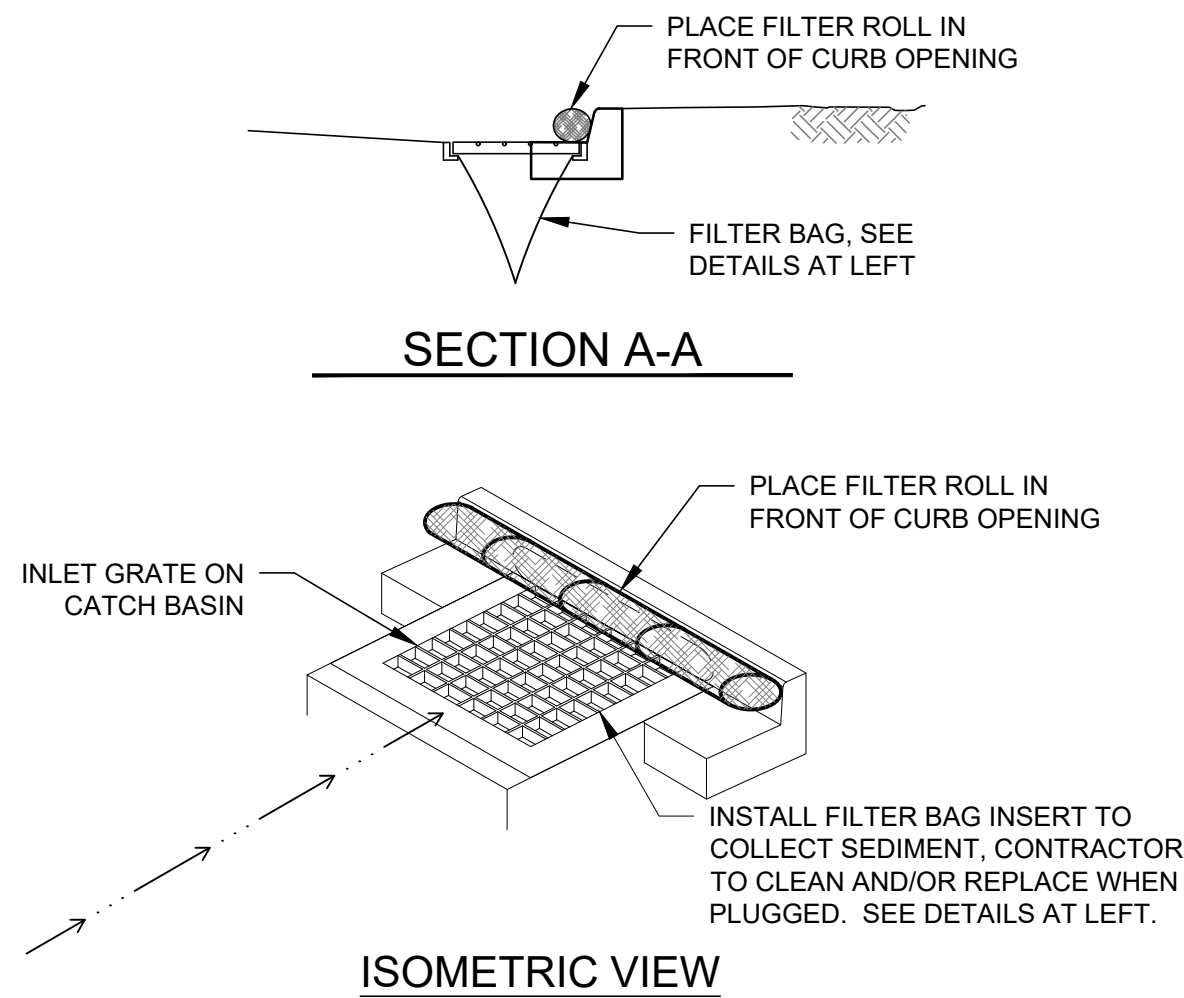


SIDE VIEW



FRONT VIEW

1 FILTER BAG INLET PROTECTION
NO SCALE



SECTION A-A

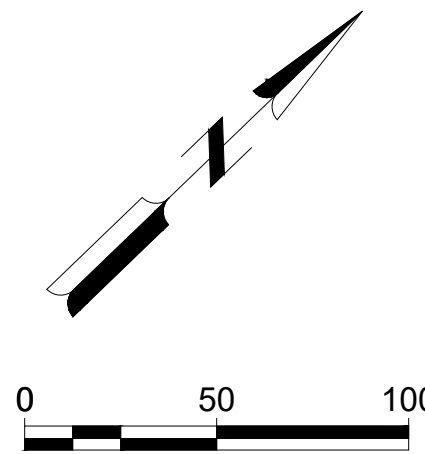
ISOMETRIC VIEW

EXISTING SITE KEYNOTES:

- | | |
|----------------------------|--|
| ① ASPHALT PAVEMENT | ⑩ STORM DRAIN MANHOLE |
| ② CONCRETE CURB & GUTTER | ⑪ CURB INLET WITH CATCH BASIN |
| ③ 6" CONCRETE CURB | ⑫ CURB INLET |
| ④ 18" CONCRETE CURB | ⑬ TRENCH DRAIN |
| ⑤ CONCRETE DRIVEWAY APRON | ⑭ WATER LINE |
| ⑥ SANITARY SEWER LINE | ⑮ WATER MANHOLE |
| ⑦ SANITARY SEWER MANHOLE | ⑯ WATER VALVE |
| ⑧ SANITARY SEWER FORCEMAIN | ⑰ NON-POTABLE WATER LINE |
| ⑨ STORM DRAIN LINE | ⑱ AIRFIELD VEHICLE ACCESS GATE LOOP DETECTOR |

EROSION CONTROL KEYNOTES:

- | | |
|---|--|
| ① | PLACE FILTER ROLL IN FRONT OF CURB OPENING AND INSTALL FILTER BAG INSIDE INLET STRUCTURE. SEE DETAIL 1/C-021 |
| ② | PLACE FILTER ROLL IN FRONT OF CURB OPENING. SEE DETAIL 1/C-022 |

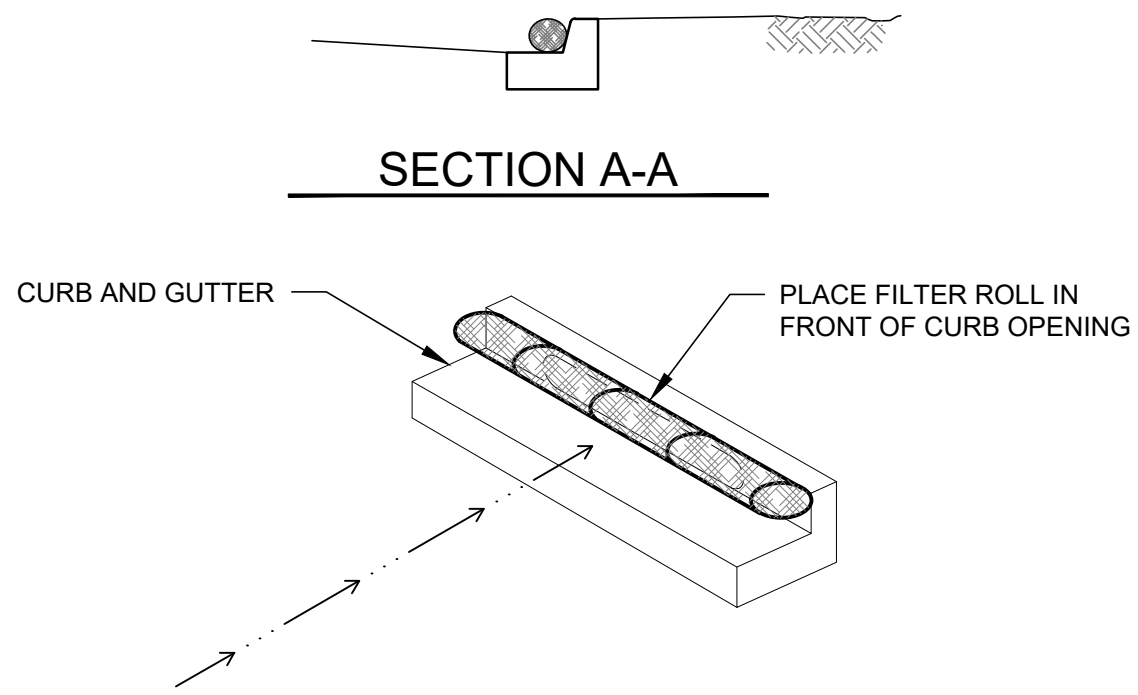
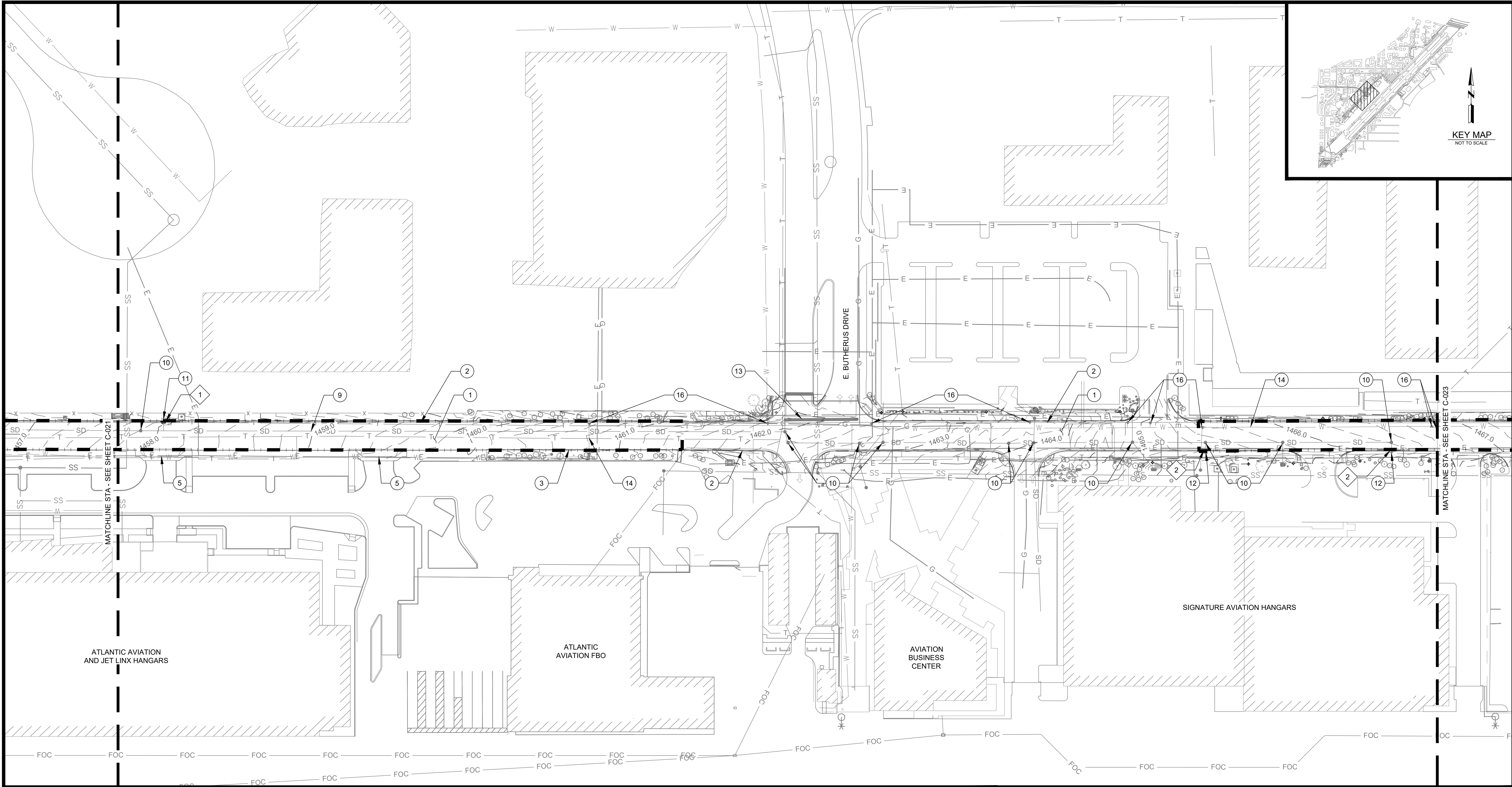


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SHEET CONTENTS
EROSION CONTROL
AND EXISTING SITE
PLAN

SHEET NO. 14 of 29

C-021



ISOMETRIC VIEW

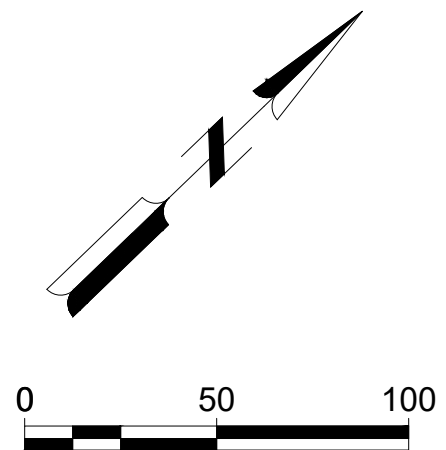
1 **FILTER ROLL INLET PROTECTION**
NO SCALE

EXISTING SITE KEYNOTES:

- | | |
|----------------------------|---|
| 1 ASPHALT PAVEMENT | 10 STORM DRAIN MANHOLE |
| 2 CONCRETE CURB & GUTTER | 11 CURB INLET WITH CATCH BASIN |
| 3 6" CONCRETE CURB | 12 CURB INLET |
| 4 18" CONCRETE CURB | 13 TRENCH DRAIN |
| 5 CONCRETE DRIVEWAY APRON | 14 WATER LINE |
| 6 SANITARY SEWER LINE | 15 WATER MANHOLE |
| 7 SANITARY SEWER MANHOLE | 16 WATER VALVE |
| 8 SANITARY SEWER FORCEMAIN | 17 NON-POTABLE WATER LINE |
| 9 STORM DRAIN LINE | 18 AIRFIELD VEHICLE ACCESS GATE LOOP DETECTOR |

EROSION CONTROL KEYNOTES:

- | | |
|---|--|
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| 2 | PLACE FILTER ROLL IN FRONT OF CURB OPENING. SEE DETAIL 1/C-022 |



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SCOTTSDALE AIRPORT
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SCOTTSDALE, AZ 85260

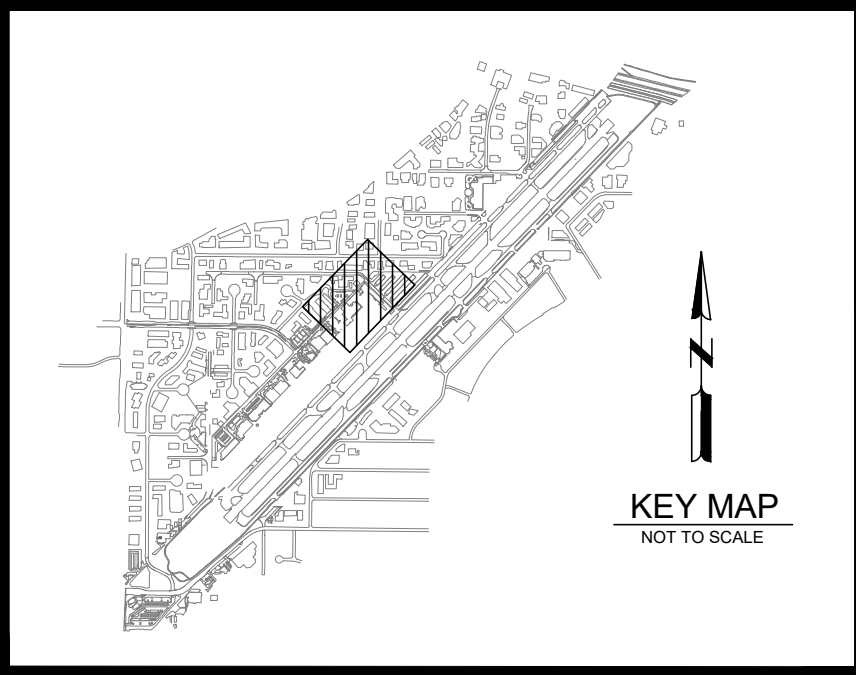
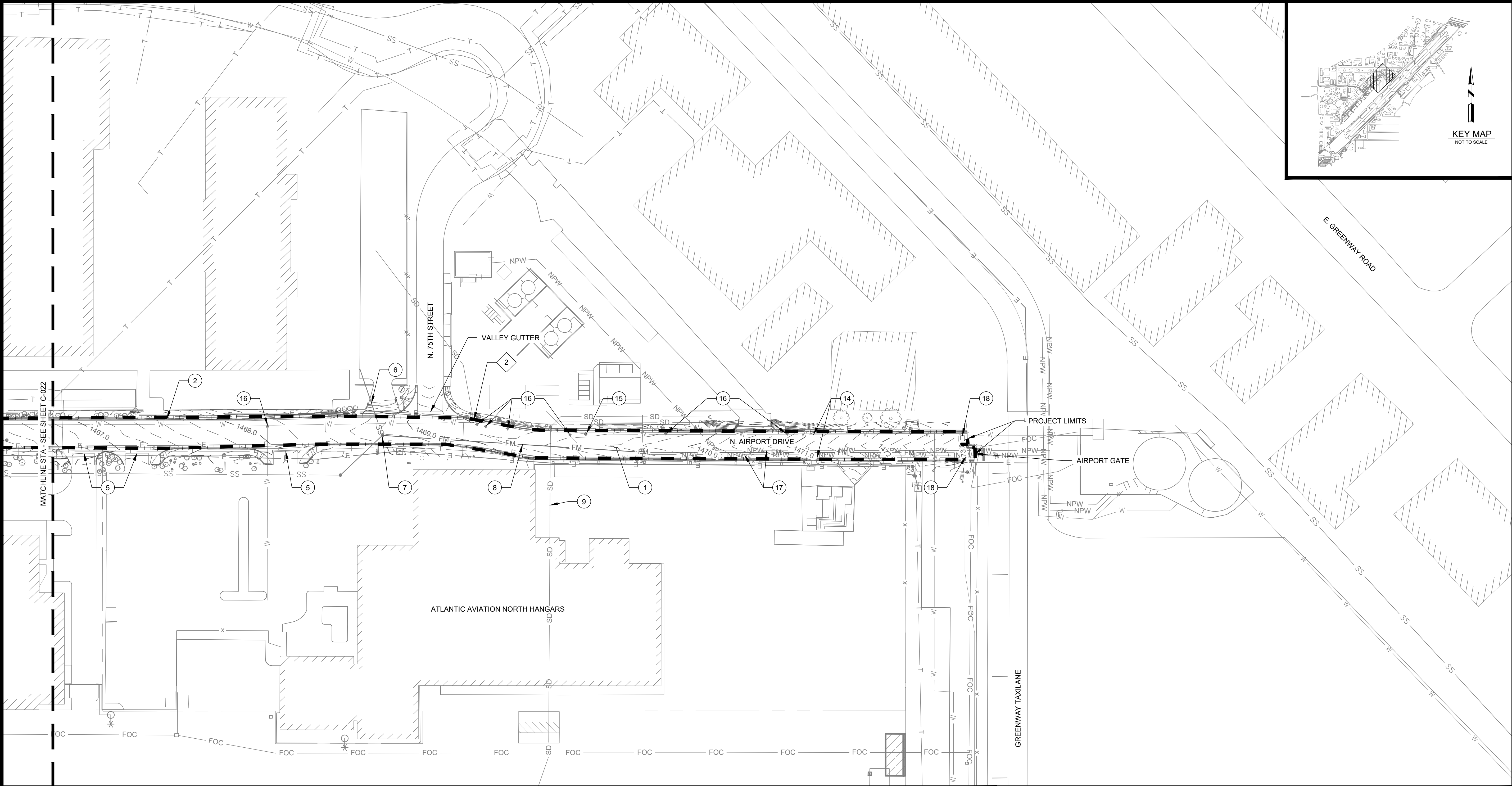
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SHEET CONTENTS
EROSION CONTROL
AND EXISTING SITE
PLAN

SHEET NO. 15 of 29

C-022



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Scottsdale, AZ 85260
phone: 480-718-1896
meadhunt.com

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SCOTTSDALE AIRPORT AIRPORT DRIVE REHABILITATION

15000 N. AIRPORT DRIVE
SCOTTSDALE, AZ 85260

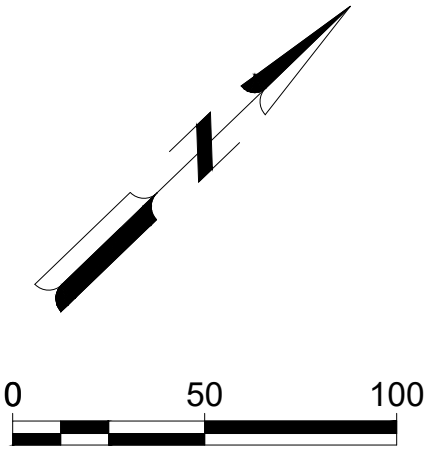
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CONSTRUCTION
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EXISTING SITE KEYNOTES:

- | | |
|----------------------------|---|
| 1 ASPHALT PAVEMENT | 10 STORM DRAIN MANHOLE |
| 2 CONCRETE CURB & GUTTER | 11 CURB INLET WITH CATCH BASIN |
| 3 6" CONCRETE CURB | 12 CURB INLET |
| 4 18" CONCRETE CURB | 13 TRENCH DRAIN |
| 5 CONCRETE DRIVEWAY APRON | 14 WATER LINE |
| 6 SANITARY SEWER LINE | 15 WATER MANHOLE |
| 7 SANITARY SEWER MANHOLE | 16 WATER VALVE |
| 8 SANITARY SEWER FORCEMAIN | 17 NON-POTABLE WATER LINE |
| 9 STORM DRAIN LINE | 18 AIRFIELD VEHICLE ACCESS GATE LOOP DETECTOR |

EROSION CONTROL KEYNOTES:

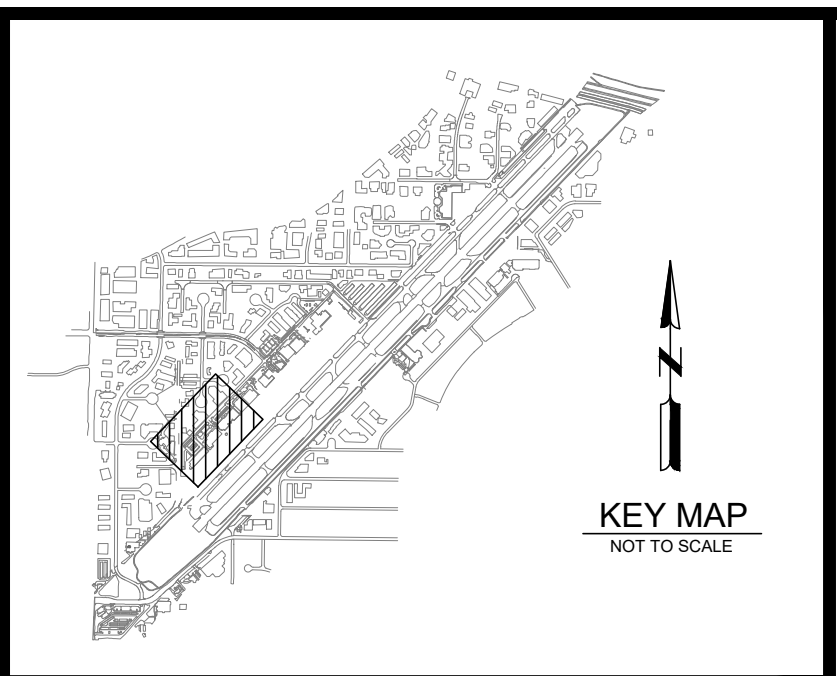
- 1 PLACE FILTER ROLL IN FRONT OF CURB OPENING AND INSTALL FILTER BAG INSIDE INLET STRUCTURE. SEE DETAIL 1/C-021
- 2 PLACE FILTER ROLL IN FRONT OF CURB OPENING. SEE DETAIL 1/C-022



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SHEET CONTENTS
EROSION CONTROL
AND EXISTING SITE
PLAN

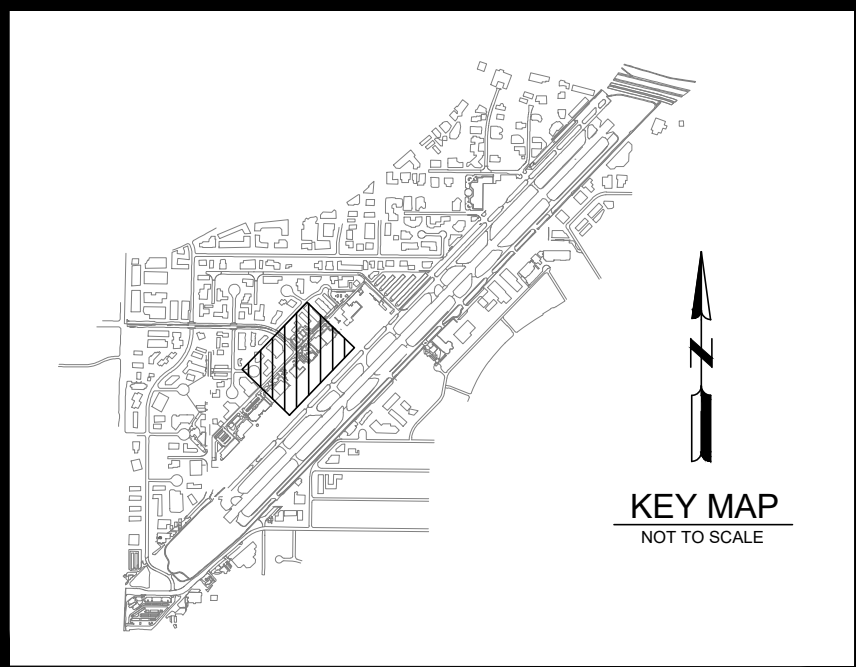
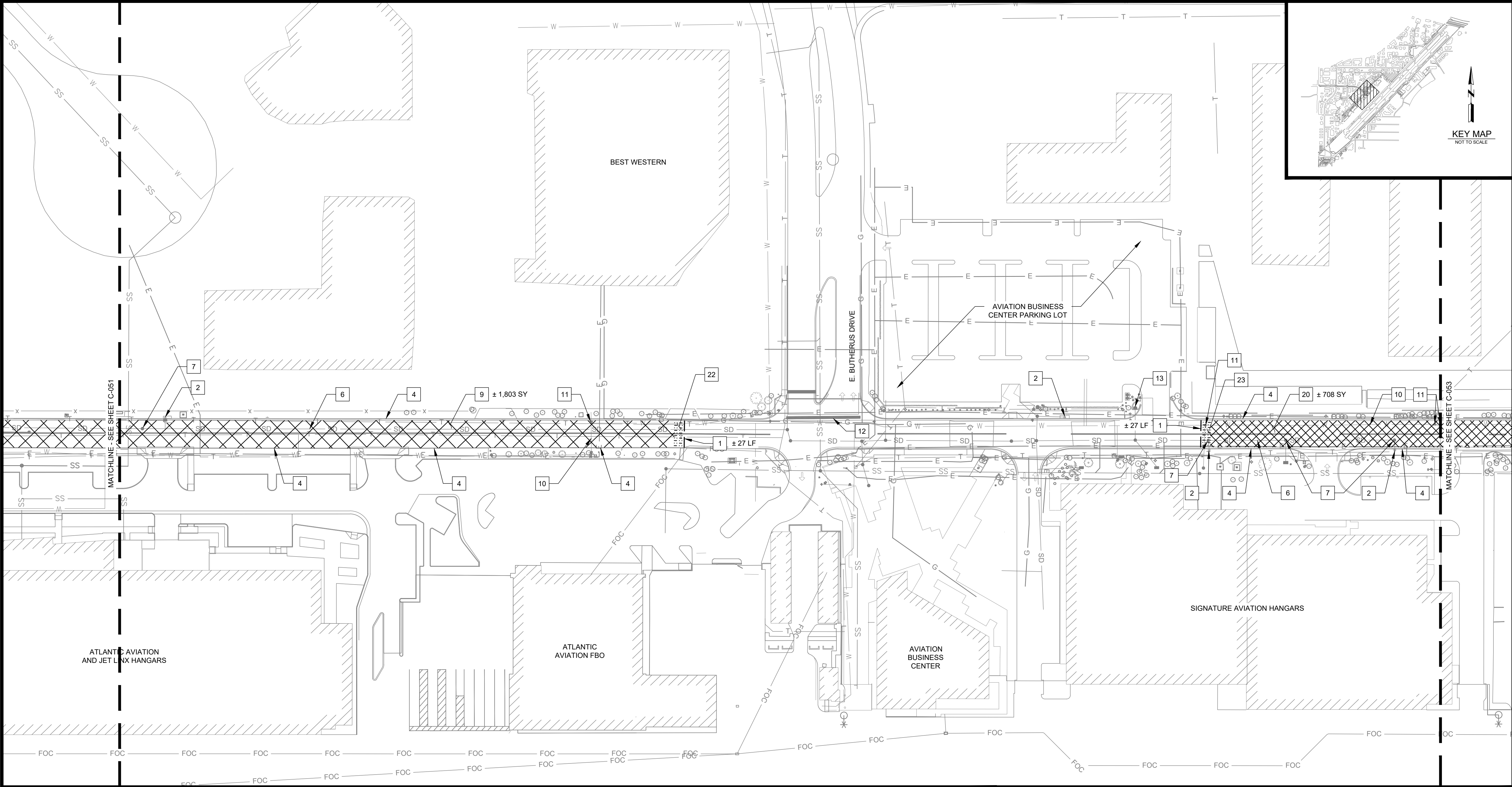
SHEET NO. 16 of 29
C-023



SCOTTSDALE AIRPORT
AIRPORT DRIVE REHABILITATION

15000 N. AIRPORT DRIVE
SCOTTSDALE, AZ 85260

12	(E) STORM TRENCH DRAIN, PROTECT IN PLACE
13	(E) CATCH BASIN, PROTECT IN PLACE
14	(E) CONCRETE VALLEY GUTTER, PROTECT IN PLACE
15	(E) STOP SIGN, PROTECT IN PLACE
16	(E) AIRFIELD VEHICLE GATE AND CONCRETE GATE TRACK, PROTECT IN PLACE
17	(E) WATER MANHOLE, PROTECT IN PLACE
18	(E) NON-POTABLE WATER LINE, PROTECT IN PLACE
19	(E) SANITARY SEWER FORCE MAIN, PROTECT IN PLACE
20	PAVEMENT REMOVAL, VARIABLE DEPTH. SEE DETAIL 3/C-301
21	REMOVE (E) AIRFIELD VEHICLE ACCESS GATE LOOP DETECTOR
22	PAVEMENT REMOVAL, VARIABLE DEPTH, SEE DETAIL 6/C-301
23	PAVEMENT REMOVAL, VARIABLE DEPTH, SEE DETAIL 8/C-301



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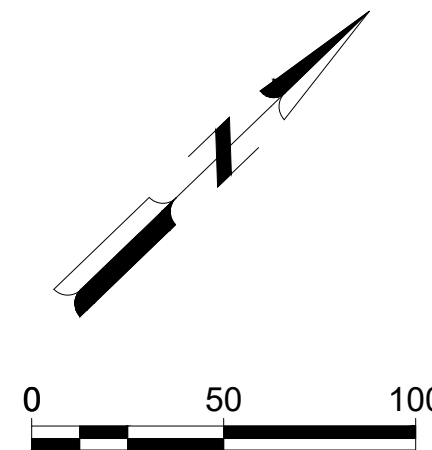
DEMOLITION NOTES:

1. CONTRACTOR IS REQUIRED TO CONTACT ARIZONA 811 TO MARK UTILITIES PRIOR TO STARTING ANY EXCAVATION FOR UNSUITABLE SUBGRADE. CONTRACTOR IS RESPONSIBLE FOR POTHOLING TO VERIFY DEPTH.

DEMOLITION KEYNOTES:

- 1 SAW CUT (E) ASPHALT
- 2 (E) CURB INLET AND GRATE, PROTECT IN PLACE
- 3 (E) SANITARY SEWER MANHOLE, PROTECT IN PLACE
- 4 (E) CONCRETE CURB AND GUTTER, PROTECT IN PLACE
- 5 (E) 18" CONCRETE CURB, PROTECT IN PLACE
- 6 (E) STORM DRAIN, PROTECT IN PLACE
- 7 (E) STORM MANHOLE, PROTECT IN PLACE
- 8 (E) SANITARY SEWER, PROTECT IN PLACE
- 9 PAVEMENT REMOVAL, FULL DEPTH. SEE DETAIL 2/C-301
- 10 (E) WATER LINE, PROTECT IN PLACE
- 11 (E) WATER VALVE, PROTECT IN PLACE

- 12 (E) STORM TRENCH DRAIN, PROTECT IN PLACE
- 13 (E) CATCH BASIN, PROTECT IN PLACE
- 14 (E) CONCRETE VALLEY GUTTER, PROTECT IN PLACE
- 15 (E) STOP SIGN, PROTECT IN PLACE
- 16 (E) AIRFIELD VEHICLE GATE AND CONCRETE GATE TRACK, PROTECT IN PLACE
- 17 (E) WATER MANHOLE, PROTECT IN PLACE
- 18 (E) NON-POTABLE WATER LINE, PROTECT IN PLACE
- 19 (E) SANITARY SEWER FORCE MAIN, PROTECT IN PLACE
- 20 PAVEMENT REMOVAL, VARIABLE DEPTH. SEE DETAIL 3/C-301
- 21 REMOVE (E) AIRFIELD VEHICLE ACCESS GATE LOOP DETECTOR
- 22 PAVEMENT REMOVAL, VARIABLE DEPTH, SEE DETAIL 6/C-301
- 23 PAVEMENT REMOVAL, VARIABLE DEPTH, SEE DETAIL 8/C-301

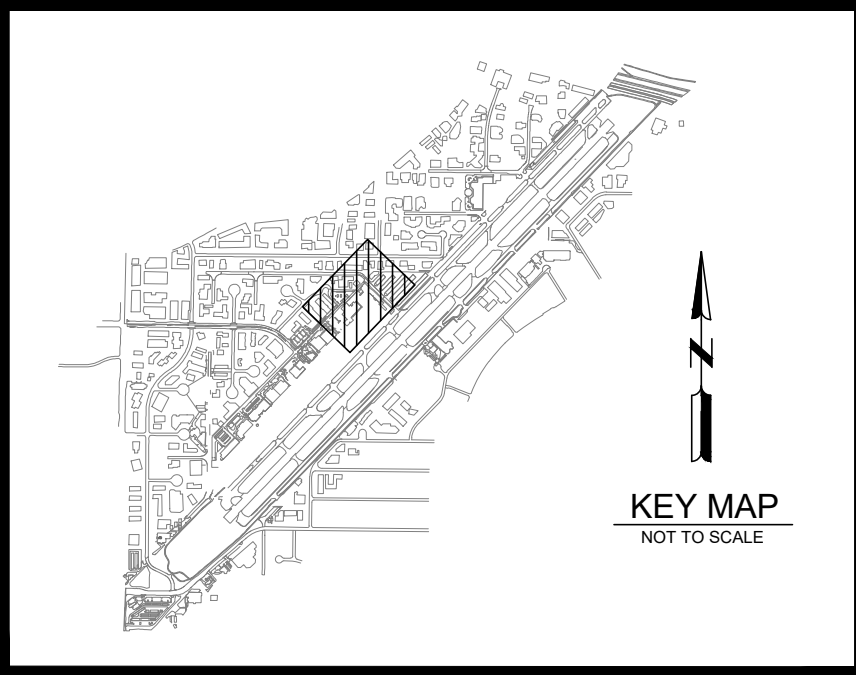
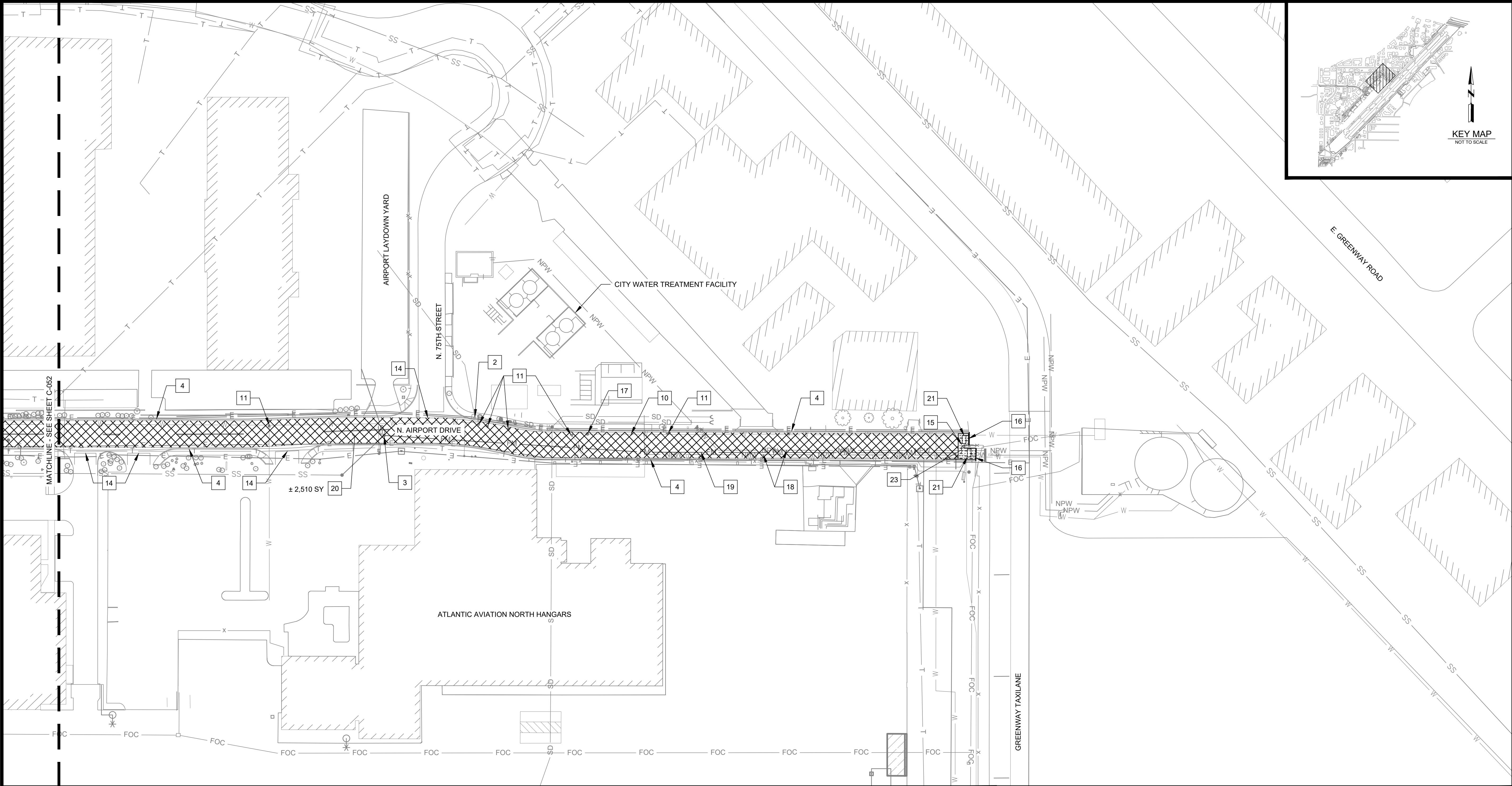


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SHEET CONTENTS
DEMOLITION PLAN

SHEET NO. 18 of 29

C-052



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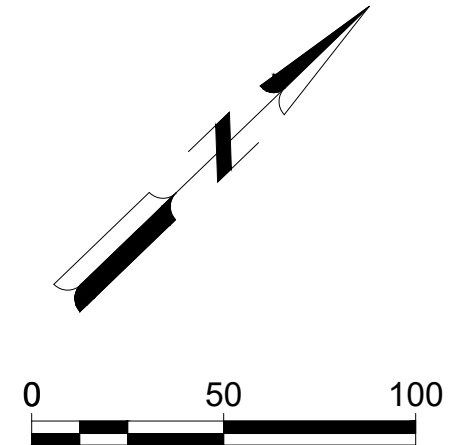
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DEMOLITION NOTES:
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- DEMOLITION KEYNOTES:**
- 1 SAW CUT (E) ASPHALT
 - 2 (E) CURB INLET AND GRATE, PROTECT IN PLACE
 - 3 (E) SANITARY SEWER MANHOLE, PROTECT IN PLACE
 - 4 (E) CONCRETE CURB AND GUTTER, PROTECT IN PLACE
 - 5 (E) 18" CONCRETE CURB, PROTECT IN PLACE
 - 6 (E) STORM DRAIN, PROTECT IN PLACE
 - 7 (E) STORM MANHOLE, PROTECT IN PLACE
 - 8 (E) SANITARY SEWER, PROTECT IN PLACE
 - 9 PAVEMENT REMOVAL, FULL DEPTH. SEE DETAIL 2/C-301
 - 10 (E) WATER LINE, PROTECT IN PLACE
 - 11 (E) WATER VALVE, PROTECT IN PLACE

- 12 (E) STORM TRENCH DRAIN, PROTECT IN PLACE
- 13 (E) CATCH BASIN, PROTECT IN PLACE
- 14 (E) CONCRETE VALLEY GUTTER, PROTECT IN PLACE
- 15 (E) STOP SIGN, PROTECT IN PLACE
- 16 (E) AIRFIELD VEHICLE GATE AND CONCRETE GATE TRACK, PROTECT IN PLACE
- 17 (E) WATER MANHOLE, PROTECT IN PLACE
- 18 (E) NON-POTABLE WATER LINE, PROTECT IN PLACE
- 19 (E) SANITARY SEWER FORCE MAIN, PROTECT IN PLACE
- 20 PAVEMENT REMOVAL, VARIABLE DEPTH. SEE DETAIL 3/C-301
- 21 REMOVE (E) AIRFIELD VEHICLE ACCESS GATE LOOP DETECTOR
- 22 PAVEMENT REMOVAL, VARIABLE DEPTH, SEE DETAIL 6/C-301
- 23 PAVEMENT REMOVAL, VARIABLE DEPTH, SEE DETAIL 8/C-301

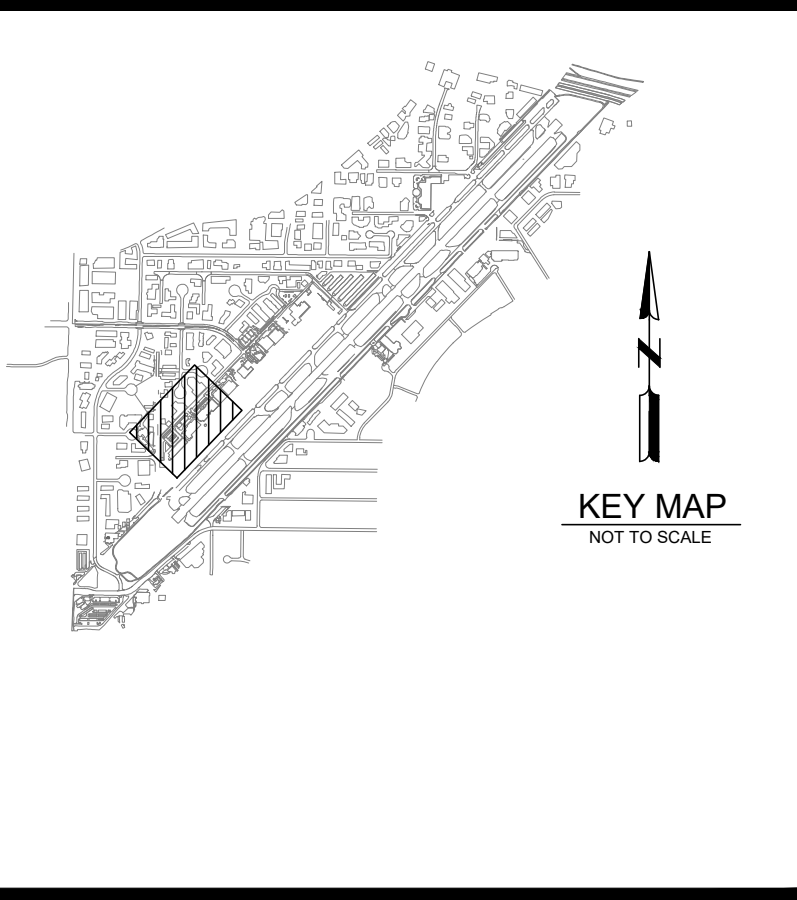
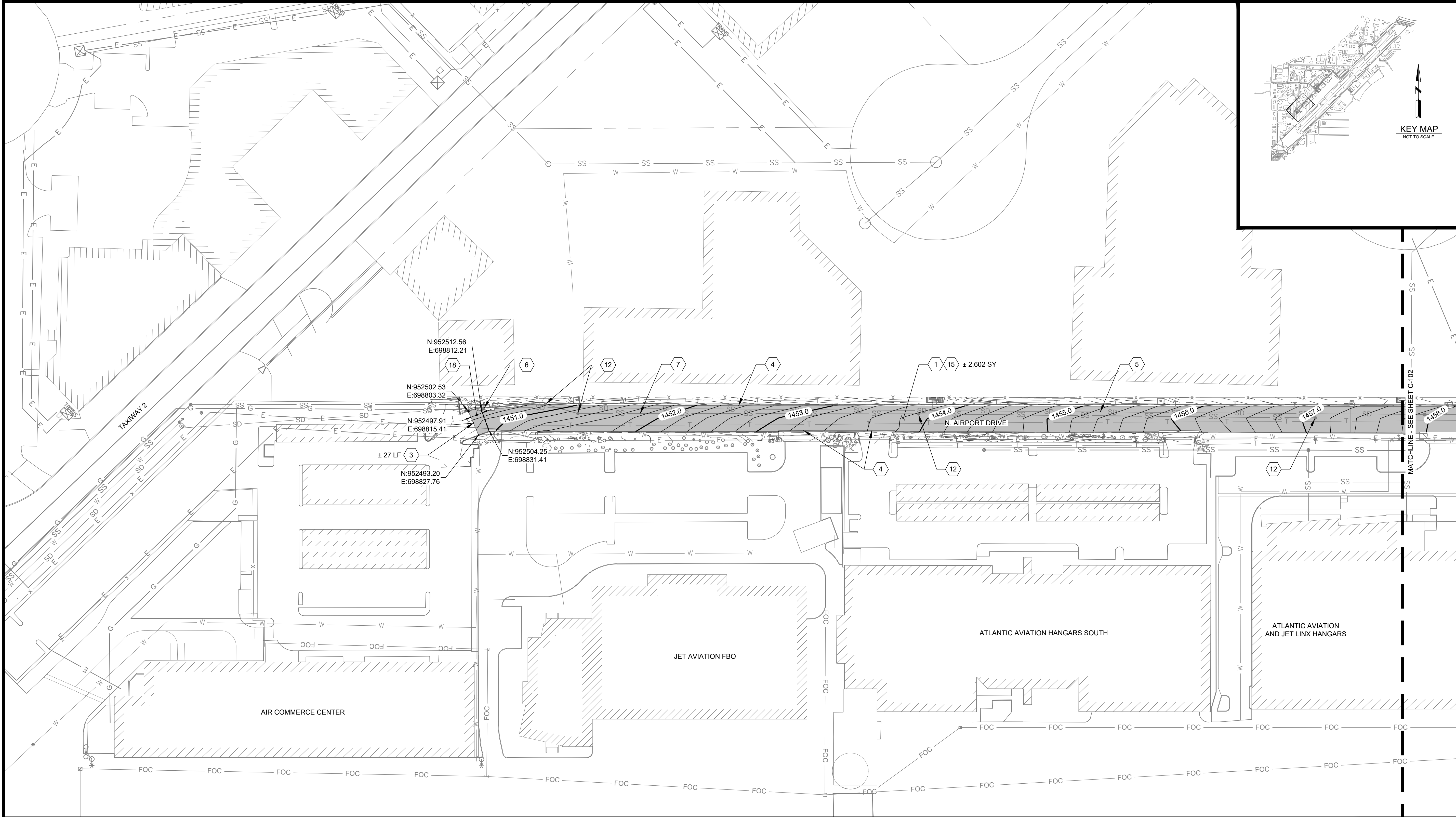


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SHEET CONTENTS
DEMOLITION PLAN

SHEET NO. 19 of 29

C-053



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Scottsdale, AZ 85260
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SCOTTSDALE AIRPORT AIRPORT DRIVE REHABILITATION

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SCOTTSDALE, AZ 85260

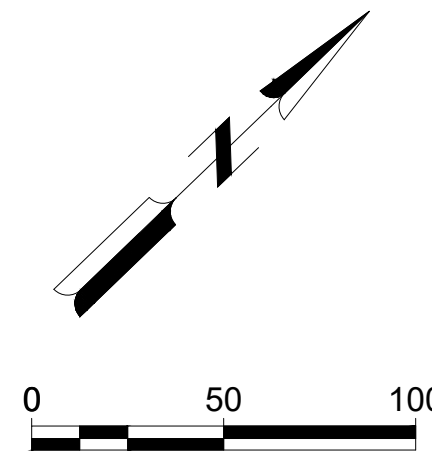
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CONSTRUCTION
DOCUMENTS

NOTES:

1. CONTOURS DEPICTED AT 0.2' INTERVALS.
2. UNSUITABLE SUBGRADE REPAIR SHALL BE COMPLETED IN THE FIELD AS DIRECTED BY THE ENGINEER. CONTRACTOR SHALL NOT COMPLETE UNSUITABLE SUBGRADE REPAIR WITHOUT OBTAINING APPROVAL AND VERIFYING THE QUANTITY WITH THE ENGINEER.

GRADING KEYNOTES:

- | | | | | | |
|---|---|----|--|----|--|
| 1 | ASPHALT OVERLAY (MAG 710), VARIABLE DEPTH, 5" MAX, SEE DETAIL 4/C-301 | 9 | (E) WATER LINE, PROTECT IN PLACE | 16 | REPLACE LOOP DETECTOR FOR AIRFIELD ACCESS GATE PER GATE MANUFACTURER'S RECOMMENDATIONS |
| 2 | 2" ASPHALT OVERLAY (MAG 710), SEE DETAIL 5/C-301 | 10 | (E) NON-POTABLE WATER LINE, PROTECT IN PLACE | 17 | ASPHALT OVERLAY TO MATCH (E) PAVEMENT SURFACE, SEE DETAIL 8/C-301 |
| 3 | MATCH (E) PAVEMENT ELEVATION AT SAW CUT EDGE. THE CONTRACTOR SHALL APPLY CRACK SEAL ON ALL SAWCUT PAVEMENT EDGES PER MAG STD 337. | 11 | (E) STORM DRAIN MANHOLE, FRAME AND COVER ADJUSTMENT PER MAG STD DTL 422 | 18 | ASPHALT OVERLAY TO MATCH (E) PAVEMENT SURFACE, SEE DETAIL 6/C-301 |
| 4 | MATCH (E) PAVEMENT ELEVATION AT ALL CURBS AND GUTTERS, TYP | 12 | (E) SANITARY SEWER MANHOLE, FRAME AND COVER ADJUSTMENT PER MAG STD DTL 422 | | |
| 5 | (E) STORM DRAIN, PROTECT IN PLACE | 13 | (E) WATER MANHOLE, FRAME AND COVER ADJUSTMENT PER MAG STD DTL 422 | | |
| 6 | (E) CURB INLET, PROTECT IN PLACE | 14 | (E) WATER VALVE, FRAME AND COVER ADJUSTMENT PER MAG STD DTL 391 | | |
| 7 | (E) SANITARY SEWER, PROTECT IN PLACE | 15 | UNSUITABLE SUBGRADE REPAIR, SEE DETAIL 7/C-301 | | |
| 8 | (E) SANITARY SEWER FORCE MAIN, PROTECT IN PLACE | | | | |

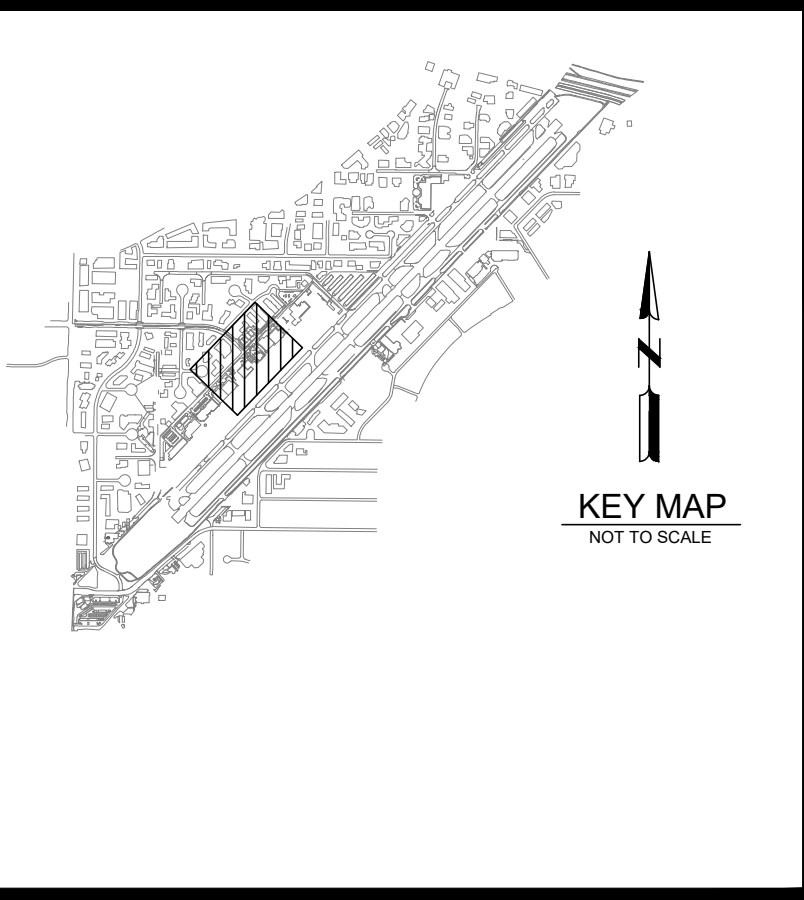
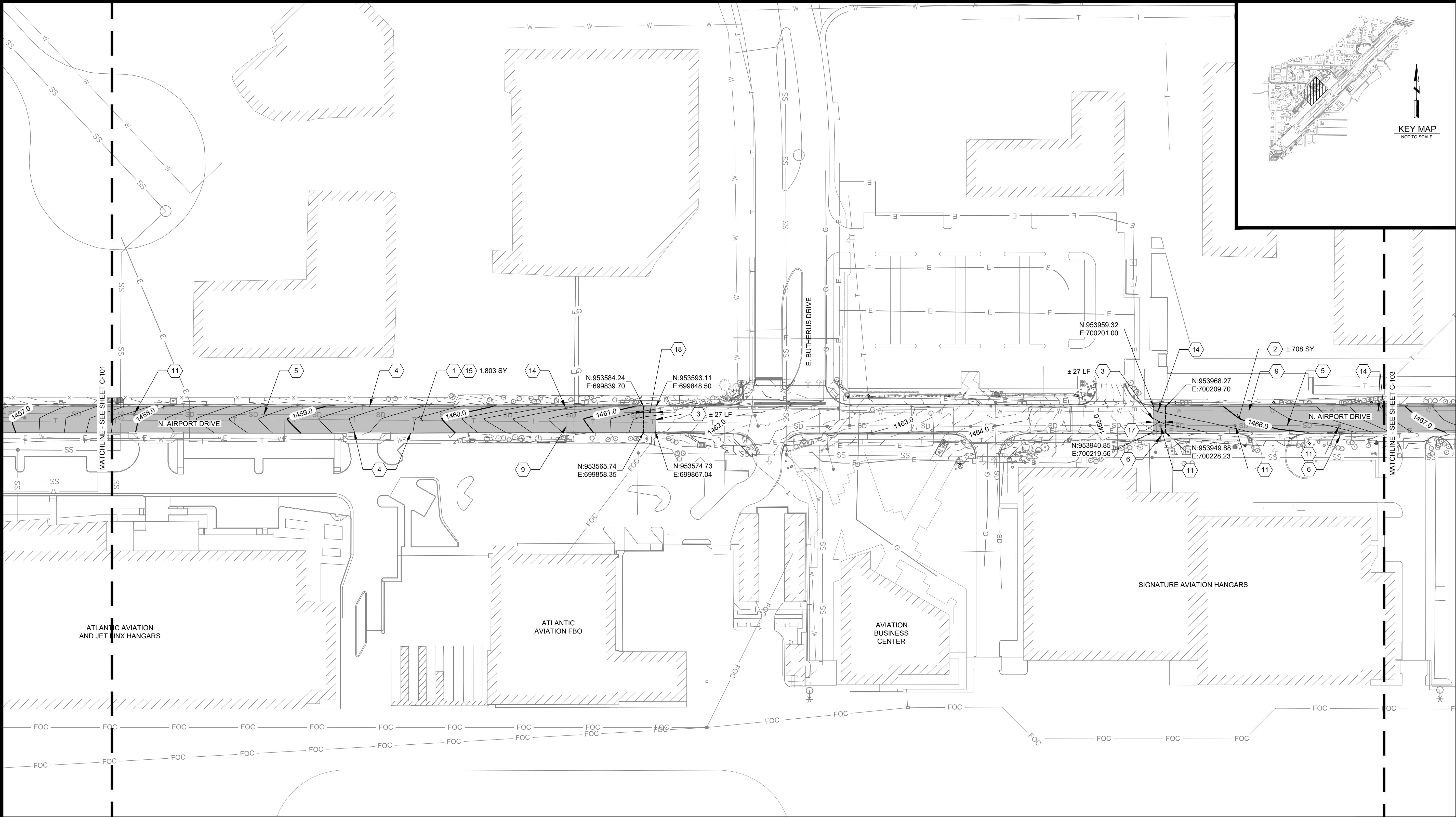


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SHEET CONTENTS
PAVING AND GRADING
PLAN

SHEET NO. 20 of 29

C-101



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8800 E Raintree Dr, Ste 285
Scottsdale, AZ 85260
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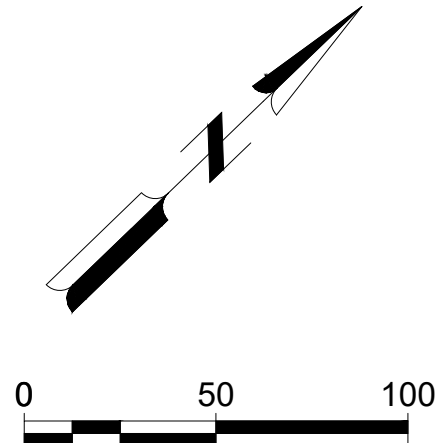
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| 6 | (E) CURB INLET, PROTECT IN PLACE | 14 | (E) WATER VALVE, FRAME AND COVER ADJUSTMENT PER MAG STD DTL 391 | | |
| 7 | (E) SANITARY SEWER, PROTECT IN PLACE | 15 | UNSUITABLE SUBGRADE REPAIR, SEE DETAIL 7/C-301 | | |
| 8 | (E) SANITARY SEWER FORCE MAIN, PROTECT IN PLACE | | | | |

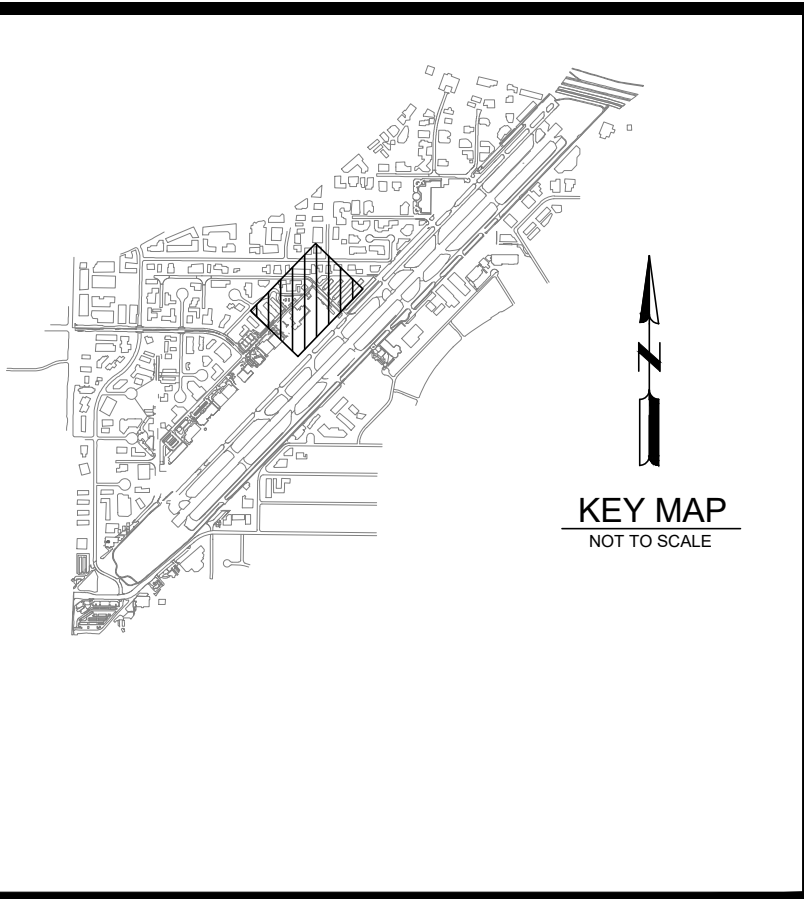
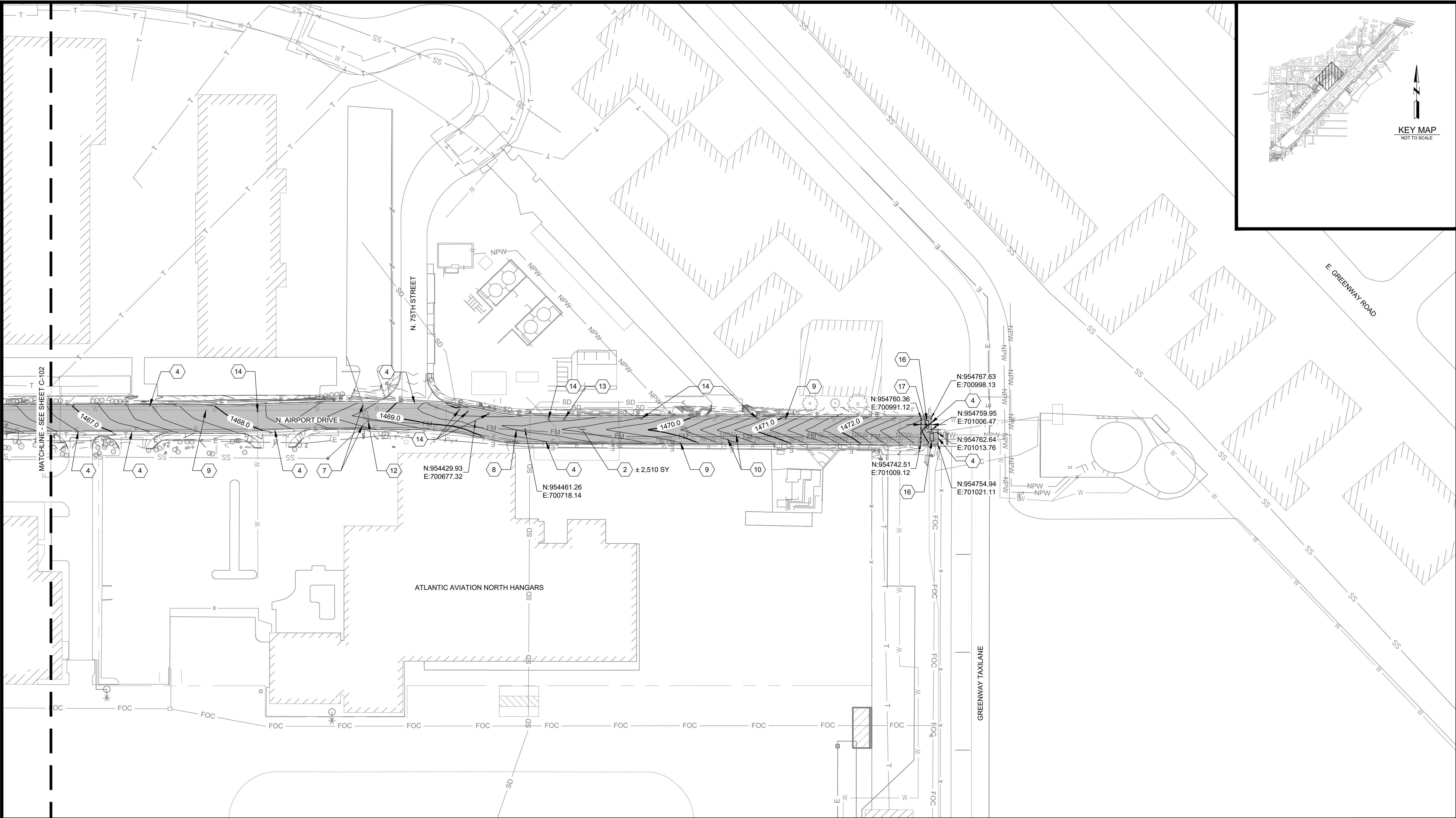


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SHEET CONTENTS
PAVING AND GRADING
PLAN

SHEET NO. 21 of 29

C-102



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Scottsdale, AZ 85260
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SCOTTSDALE AIRPORT AIRPORT DRIVE REHABILITATION

15000 N. AIRPORT DRIVE
SCOTTSDALE, AZ 85260

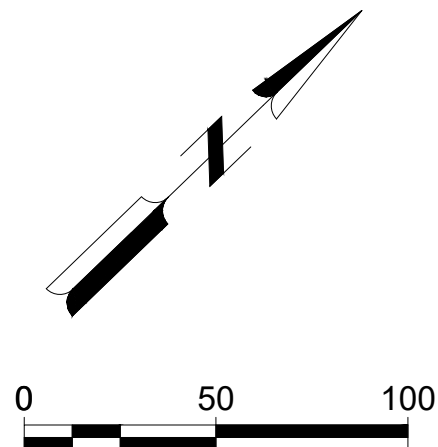
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CONSTRUCTION
DOCUMENTS

NOTES:

1. CONTOURS DEPICTED AT 0.2' INTERVALS.
2. UNSUITABLE SUBGRADE REPAIR SHALL BE COMPLETED IN THE FIELD AS DIRECTED BY THE ENGINEER. CONTRACTOR SHALL NOT COMPLETE UNSUITABLE SUBGRADE REPAIR WITHOUT OBTAINING APPROVAL AND VERIFYING THE QUANTITY WITH THE ENGINEER.

GRADING KEYNOTES:

- | | | | | | |
|---|---|----|--|----|--|
| 1 | ASPHALT OVERLAY (MAG 710), VARIABLE DEPTH, 5" MAX, SEE DETAIL 4/C-301 | 9 | (E) WATER LINE, PROTECT IN PLACE | 16 | REPLACE LOOP DETECTOR FOR AIRFIELD ACCESS GATE PER GATE MANUFACTURER'S RECOMMENDATIONS |
| 2 | 2" ASPHALT OVERLAY (MAG 710), SEE DETAIL 5/C-301 | 10 | (E) NON-POTABLE WATER LINE, PROTECT IN PLACE | 17 | ASPHALT OVERLAY TO MATCH (E) PAVEMENT SURFACE, SEE DETAIL 8/C-301 |
| 3 | MATCH (E) PAVEMENT ELEVATION AT SAW CUT EDGE. THE CONTRACTOR SHALL APPLY CRACK SEAL ON ALL SAWCUT PAVEMENT EDGES PER MAG STD 337. | 11 | (E) STORM DRAIN MANHOLE, FRAME AND COVER ADJUSTMENT PER MAG STD DTL 422 | 18 | ASPHALT OVERLAY TO MATCH (E) PAVEMENT SURFACE, SEE DETAIL 6/C-301 |
| 4 | MATCH (E) PAVEMENT ELEVATION AT ALL CURBS AND GUTTERS, TYP | 12 | (E) SANITARY SEWER MANHOLE, FRAME AND COVER ADJUSTMENT PER MAG STD DTL 422 | | |
| 5 | (E) STORM DRAIN, PROTECT IN PLACE | 13 | (E) WATER MANHOLE, FRAME AND COVER ADJUSTMENT PER MAG STD DTL 422 | | |
| 6 | (E) CURB INLET, PROTECT IN PLACE | 14 | (E) WATER VALVE, FRAME AND COVER ADJUSTMENT PER MAG STD DTL 391 | | |
| 7 | (E) SANITARY SEWER, PROTECT IN PLACE | 15 | UNSUITABLE SUBGRADE REPAIR, SEE DETAIL 7/C-301 | | |
| 8 | (E) SANITARY SEWER FORCE MAIN, PROTECT IN PLACE | | | | |

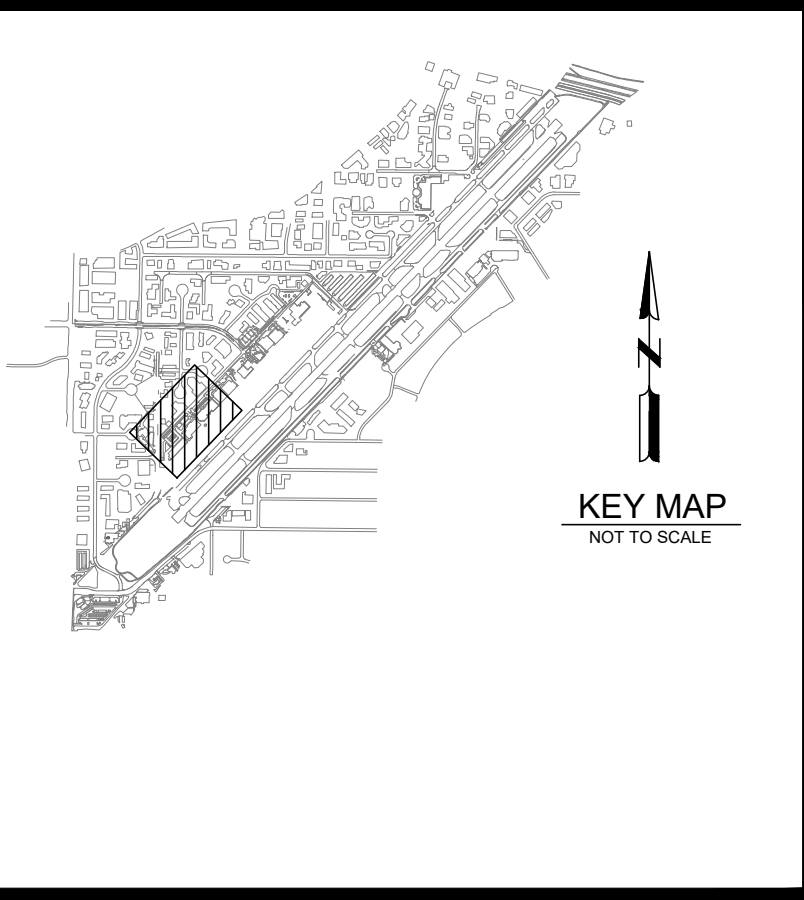
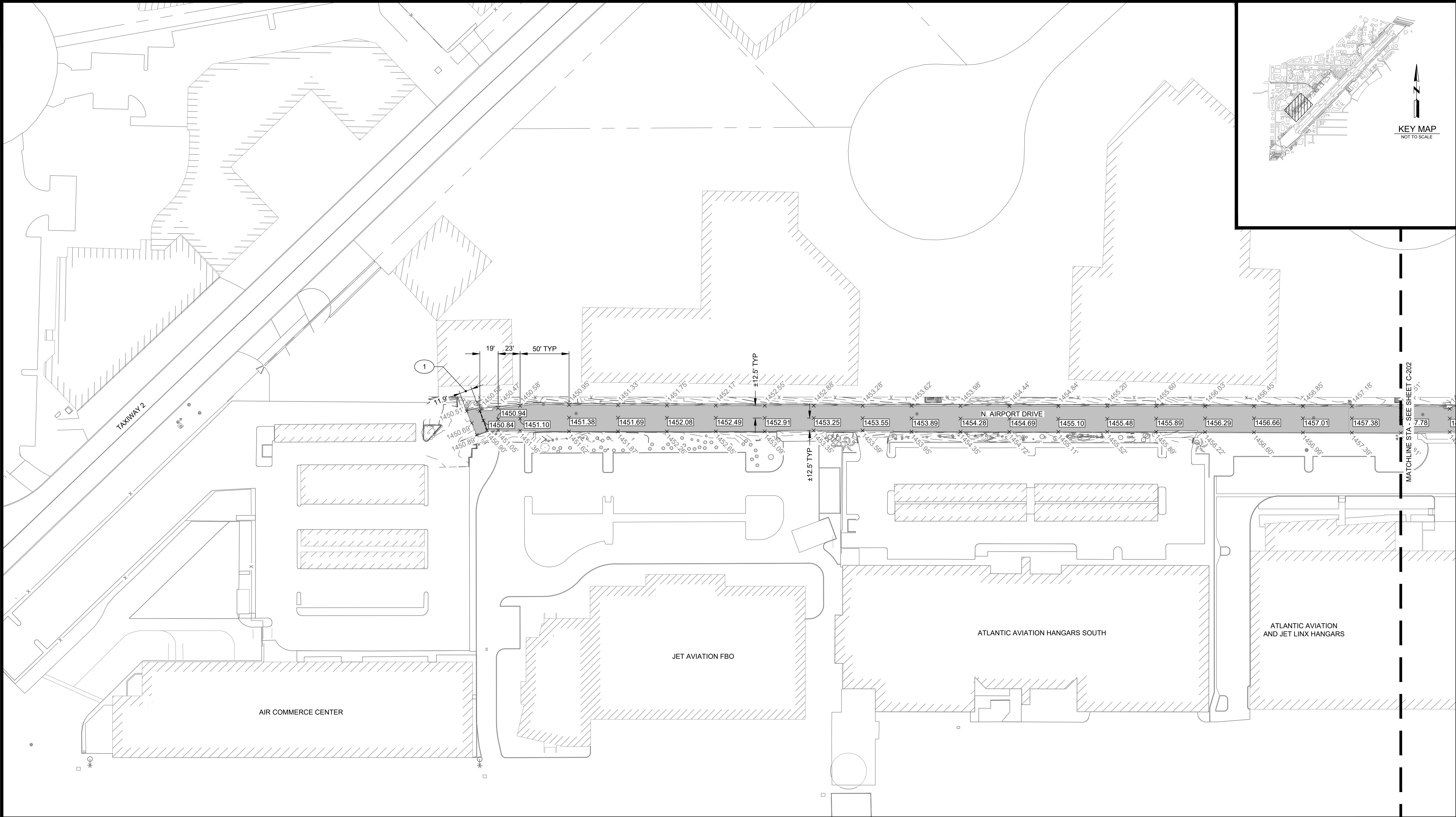


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PAVING AND GRADING
PLAN

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C-103



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Mead and Hunt, Inc.
8800 E Raintree Dr, Ste 285
Scottsdale, AZ 85260
phone: 480-718-1896
meadhunt.com

Professional Engineer
74185
BRADLEY
MIKULECKY
DATE SIGNED 10/11/2022
ARIZONA U.S.A.
Bradley Mikulecky

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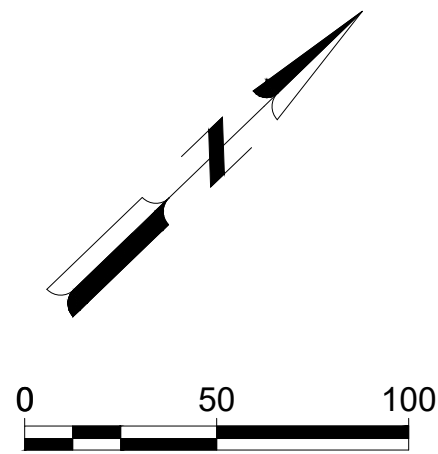
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PAVEMENT ELEVATION KEYNOTES:

- x [1462.38] (N) ROAD CENTERLINE ELEVATION POINT
- x 1461.79 MATCH (E) GUTTER EDGE ELEVATION POINT
- 1 ASPHALT OVERLAY TO MATCH (E) PAVEMENT SURFACE

PAVEMENT ELEVATION NOTES:

1. PAVEMENT ELEVATIONS ARE DEPICTED AT 50' INTERVALS ALONG ROAD CENTERLINE AND AT GUTTER EDGE. SOME ADJUSTMENTS TO 50' INTERVALS TAKE PLACE ALONG CURVES AND WHERE ASPHALT THICKNESS TAPERS TO MATCH EXISTING PAVEMENT.
2. CONTRACTOR SHALL VERIFY EXISTING GRADES AT MATCH POINTS AND ALONG CONCRETE CURB PRIOR TO THE START OF CONSTRUCTION.



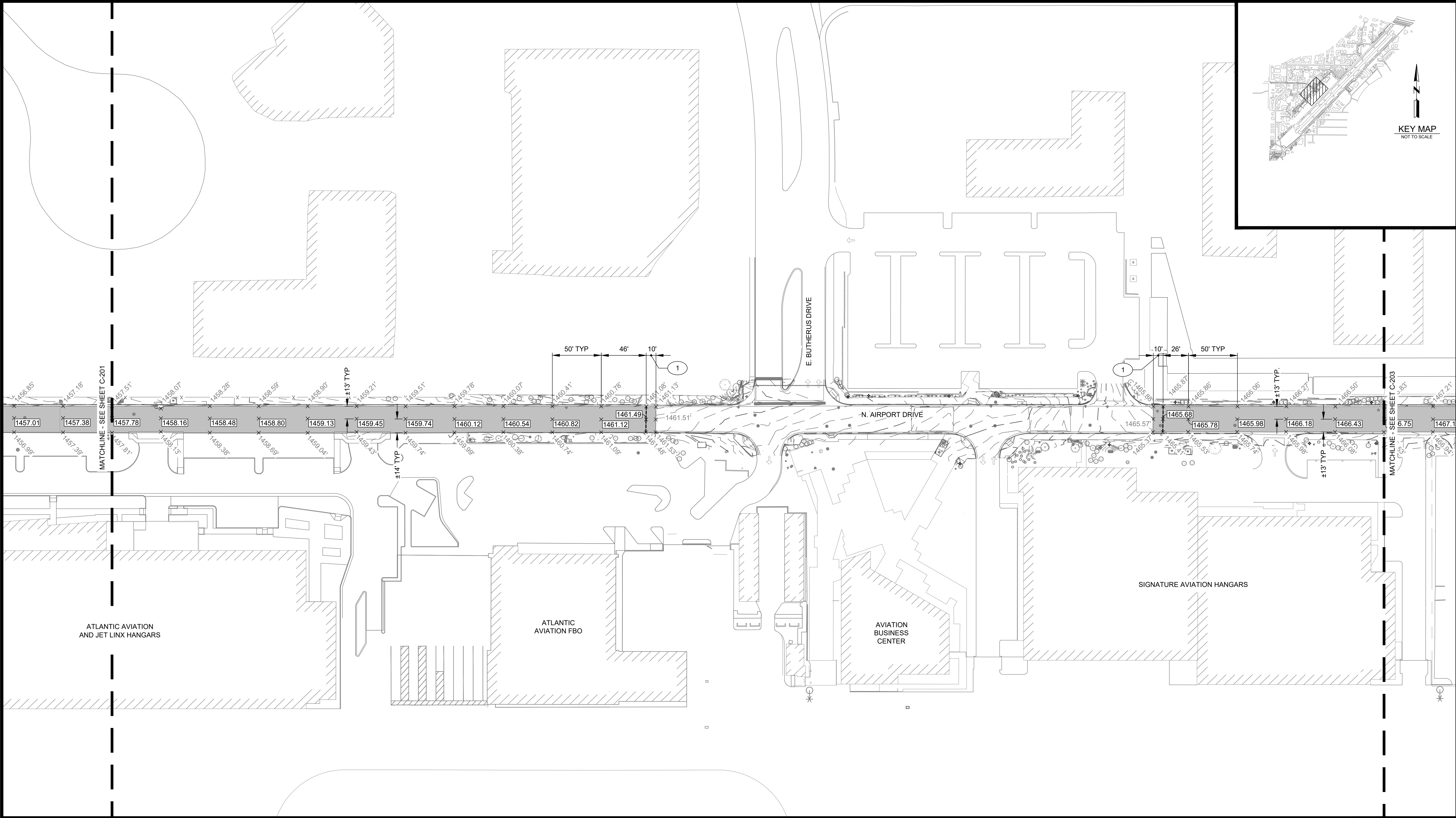
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SHEET CONTENTS
PAVEMENT
ELEVATION PLAN

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C-201

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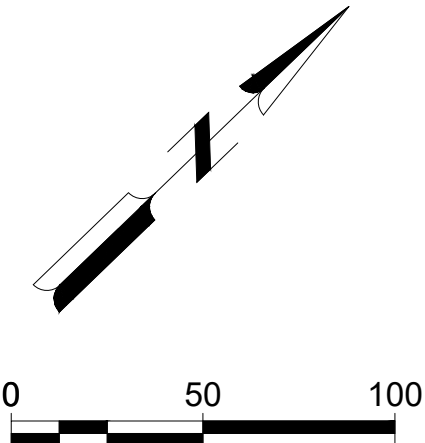


PAVEMENT ELEVATION KEYNOTES:

- (N) ROAD CENTERLINE ELEVATION POINT
- MATCH (E) GUTTER EDGE ELEVATION POINT
- ASPHALT OVERLAY TO MATCH (E) PAVEMENT SURFACE

PAVEMENT ELEVATION NOTES:

- PAVEMENT ELEVATIONS ARE DEPICTED AT 50' INTERVALS ALONG ROAD CENTERLINE AND AT GUTTER EDGE. SOME ADJUSTMENTS TO 50' INTERVALS TAKE PLACE ALONG CURVES AND WHERE ASPHALT THICKNESS TAPERS TO MATCH EXISTING PAVEMENT.
- CONTRACTOR SHALL VERIFY EXISTING GRADES AT MATCH POINTS AND ALONG CONCRETE CURB PRIOR TO THE START OF CONSTRUCTION.



Mead & Hunt

Mead and Hunt, Inc.
8800 E Raintree Dr, Ste 285
Scottsdale, AZ 85260
phone: 480-718-1896
meadhunt.com

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74185
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SCOTTSDALE, AZ 85260

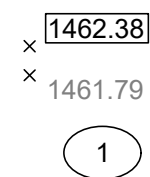
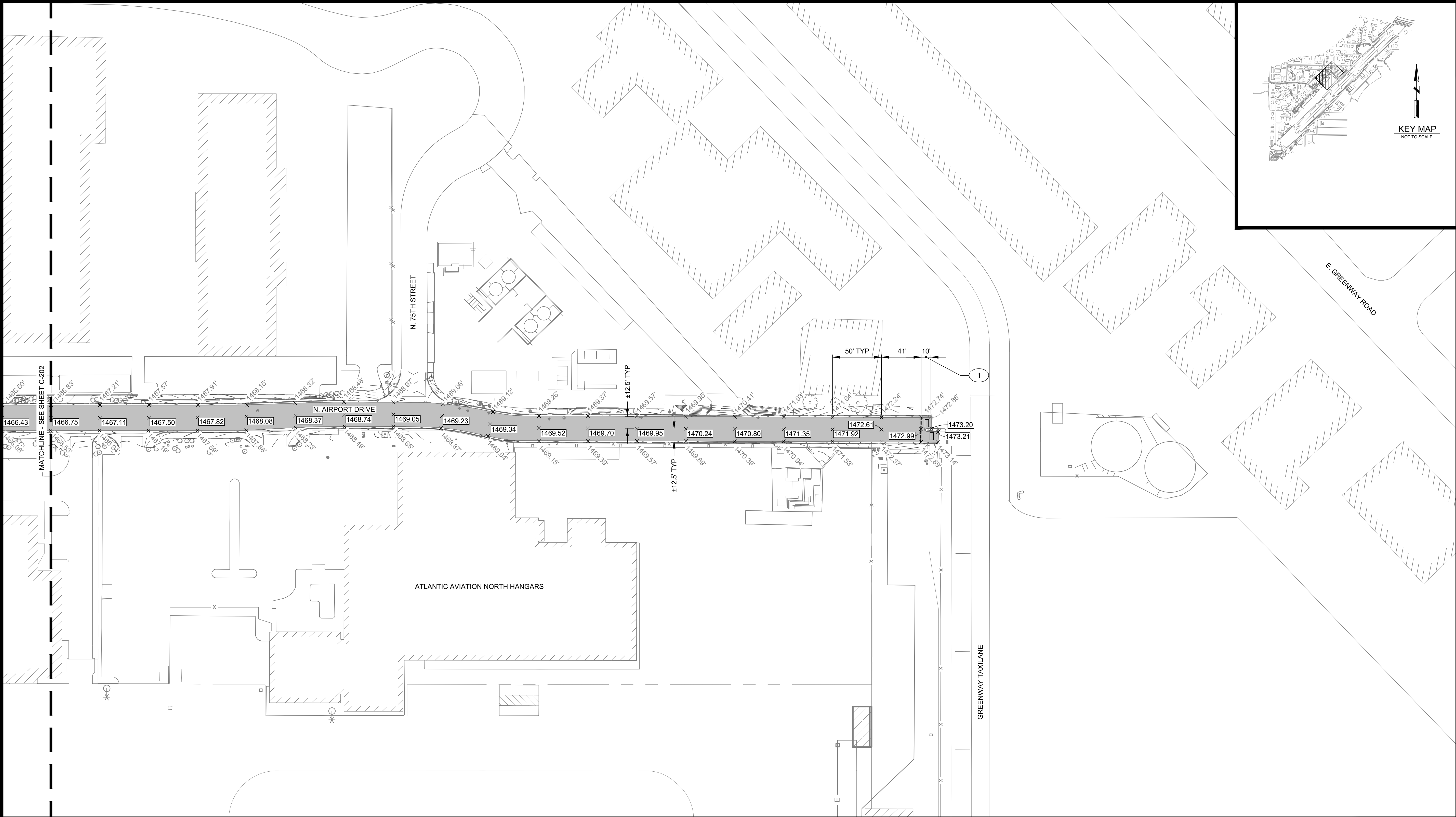
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SHEET CONTENTS
PAVEMENT
ELEVATION PLAN

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C-202

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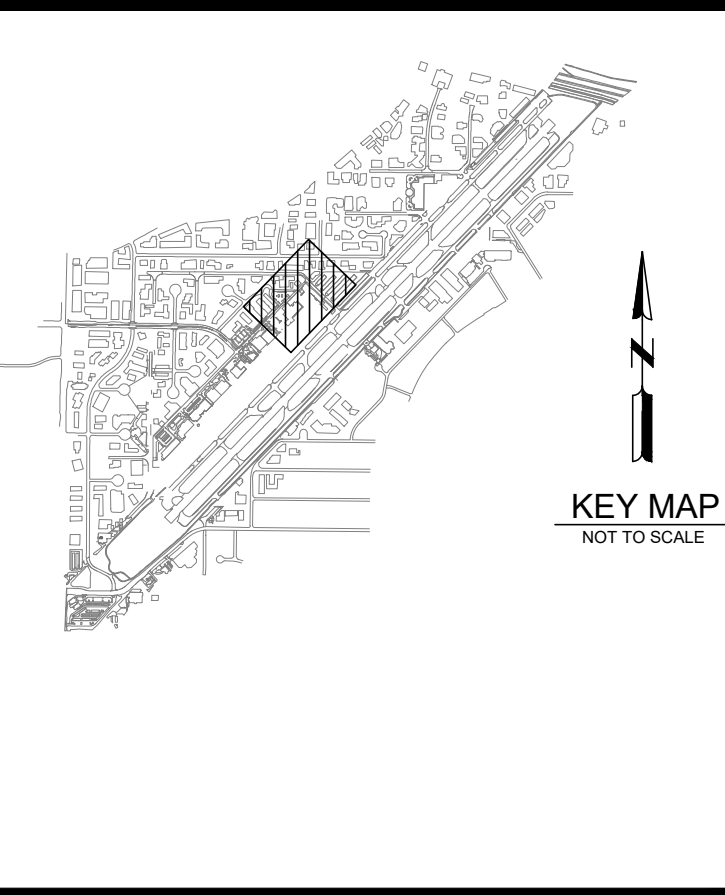
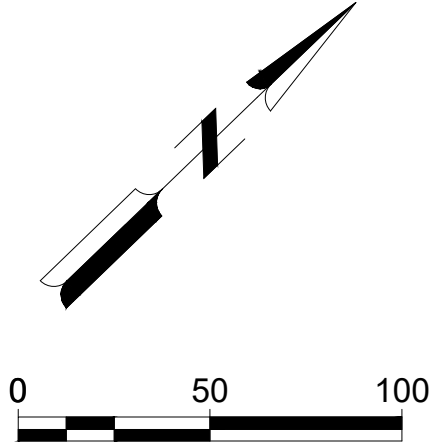
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(N) ROAD CENTERLINE ELEVATION POINT

MATCH (E) GUTTER EDGE ELEVATION POINT

ASPHALT OVERLAY TO MATCH (E) PAVEMENT SURFACE

- PAVEMENT ELEVATION NOTES:**
- PAVEMENT ELEVATIONS ARE DEPICTED AT 50' INTERVALS ALONG ROAD CENTERLINE AND AT GUTTER EDGE. SOME ADJUSTMENTS TO 50' INTERVALS TAKE PLACE ALONG CURVES AND WHERE ASPHALT THICKNESS TAPERS TO MATCH EXISTING PAVEMENT.
 - CONTRACTOR SHALL VERIFY EXISTING GRADES AT MATCH POINTS AND ALONG CONCRETE CURB PRIOR TO THE START OF CONSTRUCTION.



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Scottsdale, AZ 85260
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BRADLEY MIKULECKY
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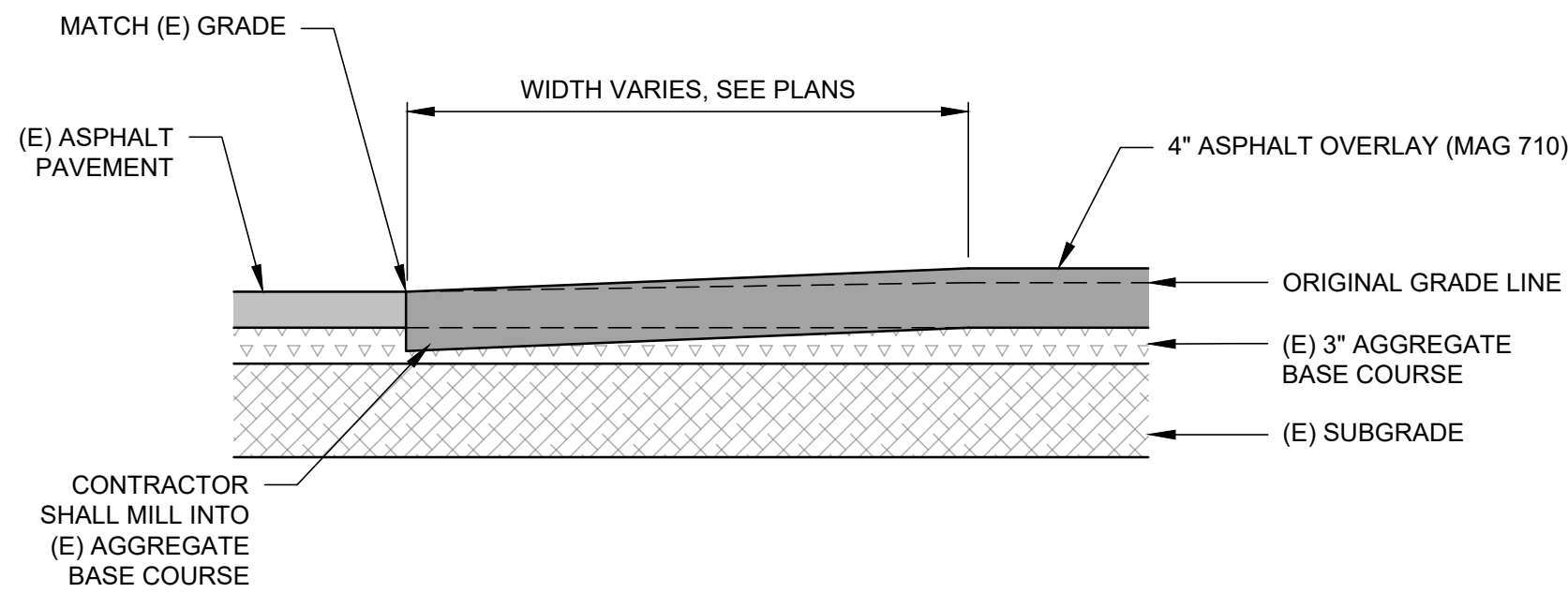
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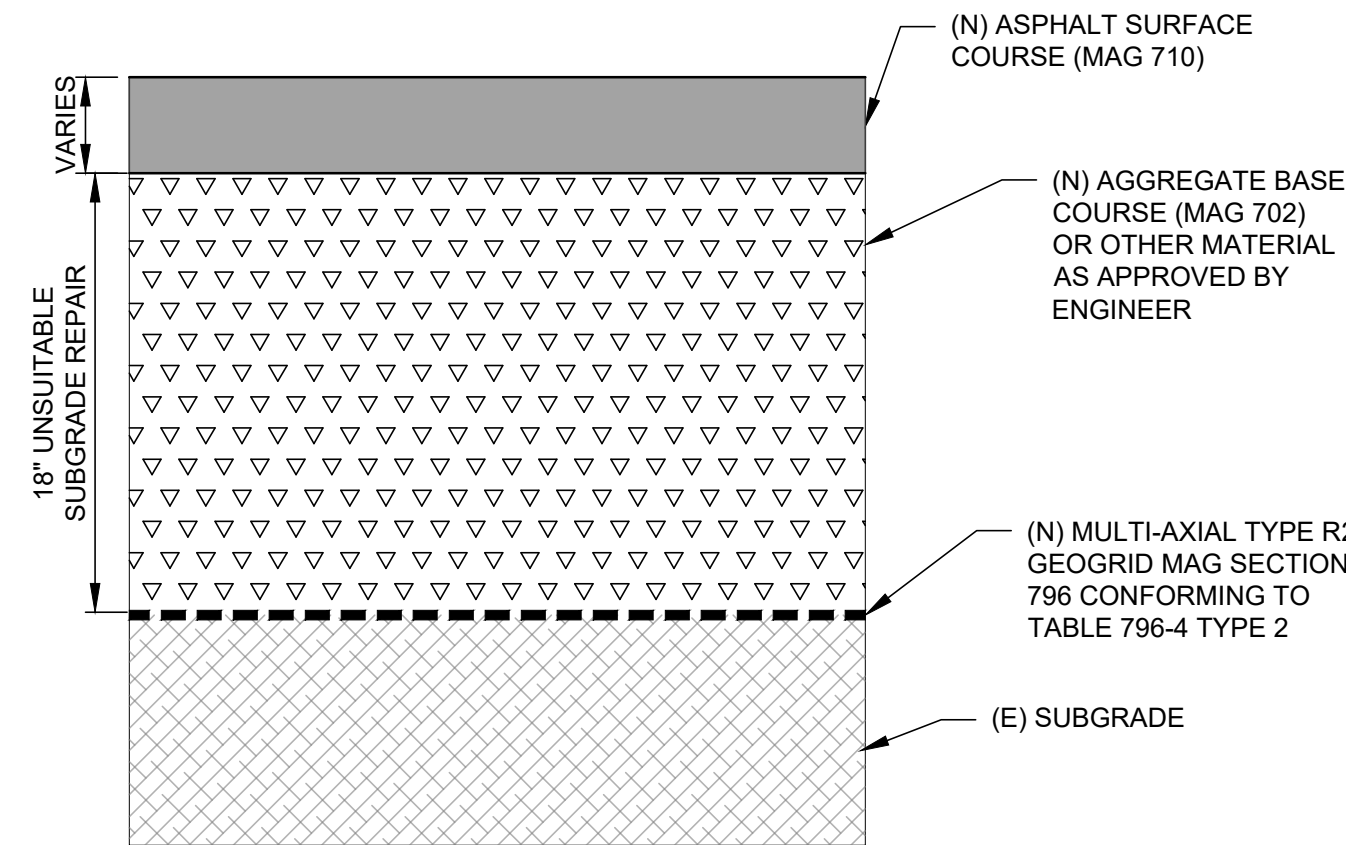
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PAVEMENT
ELEVATION PLAN

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C-203

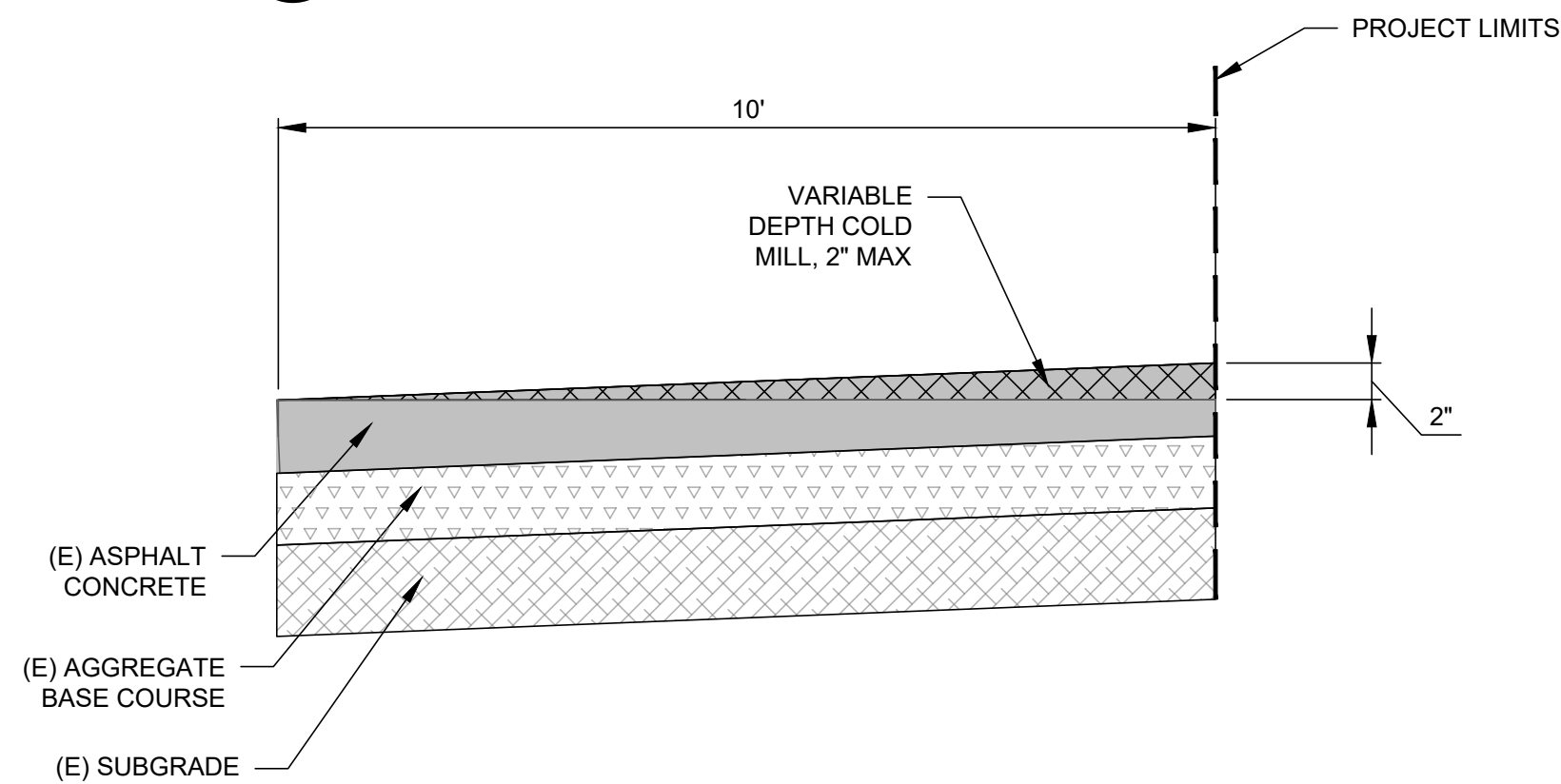


6 VARIABLE DEPTH MILL ON PHASE 1 AND 2
NOT TO SCALE

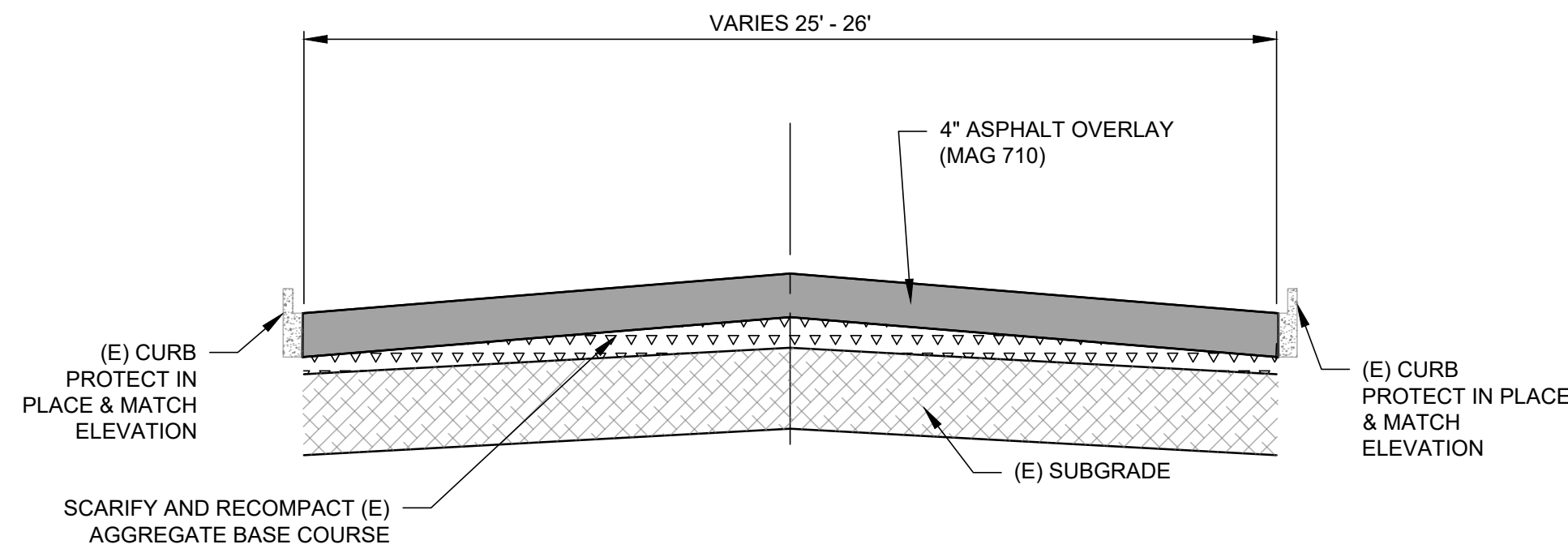


- NOTES:
1. CONTRACTOR IS REQUIRED TO CONTACT ARIZONA 811 TO MARK UTILITIES PRIOR TO STARTING ANY EXCAVATION FOR UNSUITABLE SUBGRADE. CONTRACTOR IS RESPONSIBLE FOR POTHOLING TO VERIFY DEPTH.
 2. ANY UTILITIES ENCOUNTERED DURING UNSUITABLE SUBGRADE REPAIR SHALL BE PROTECTED IN PLACE BY THE CONTRACTOR.
 3. UNSUITABLE SUBGRADE REPAIR SHALL BE COMPLETED IN THE FIELD AS DIRECTED BY THE ENGINEER. CONTRACTOR SHALL NOT COMPLETE UNSUITABLE SUBGRADE REPAIR WITHOUT OBTAINING APPROVAL FROM THE RPR.

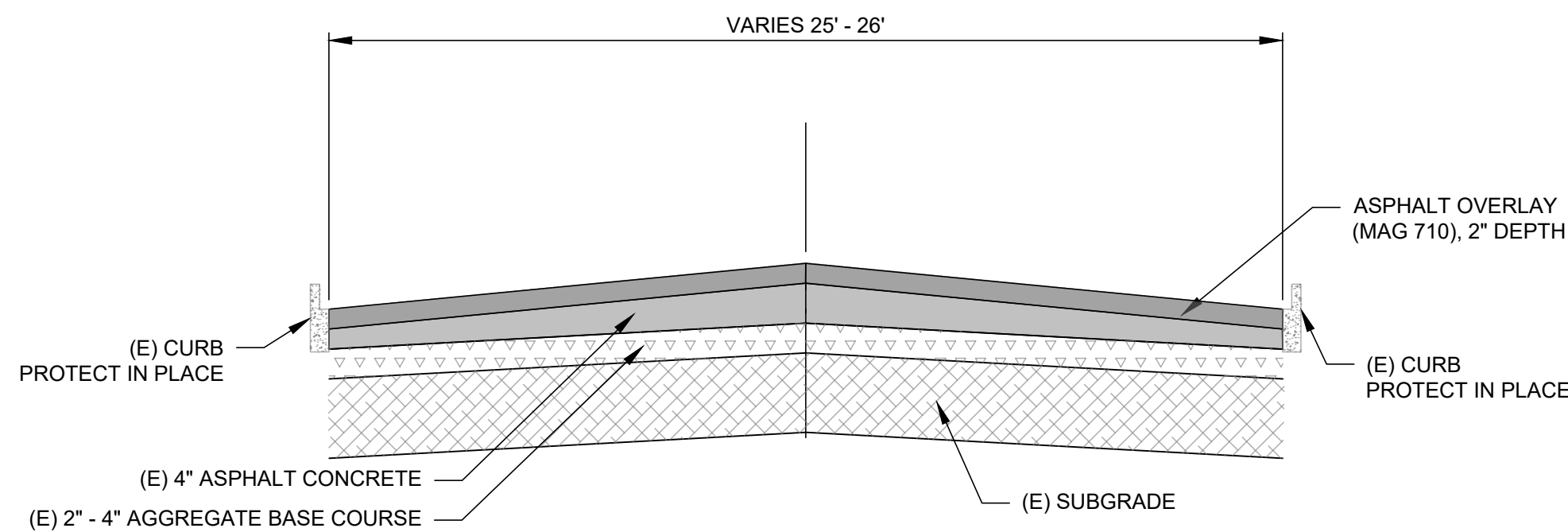
7 UNSUITABLE SUBGRADE REPAIR



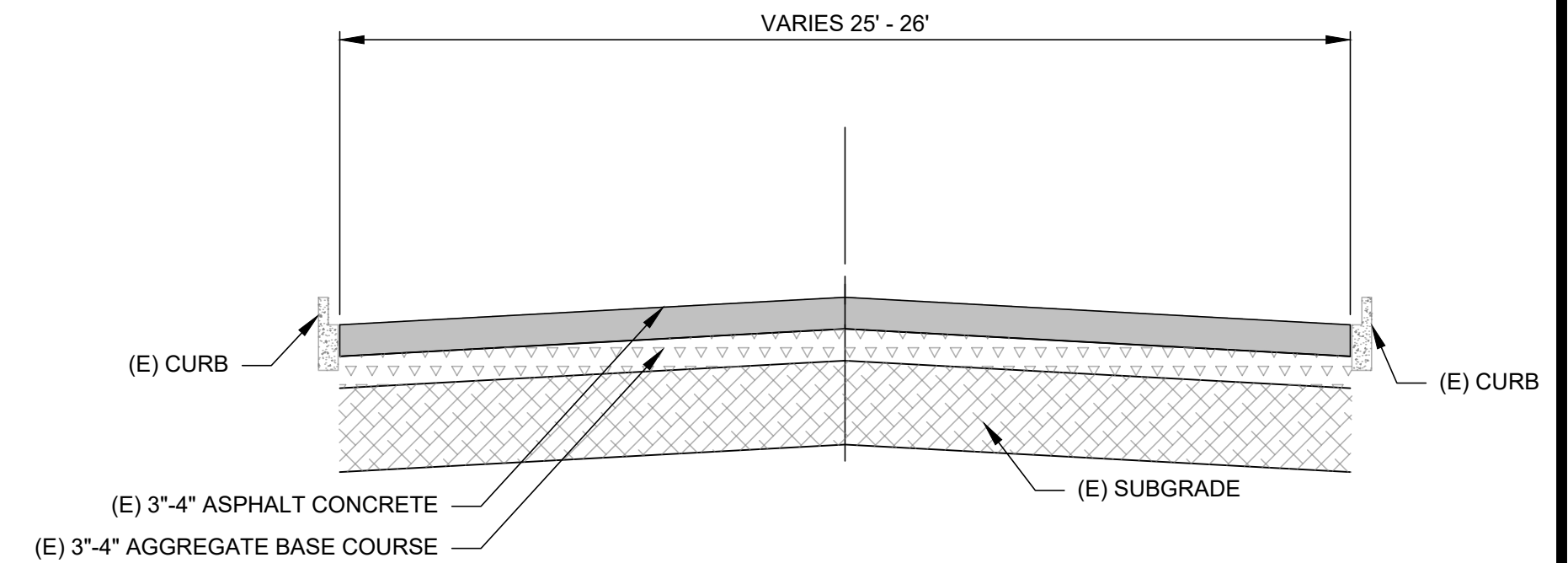
8 VARIABLE DEPTH MILL ON PHASE 3 AND 4
NOT TO SCALE



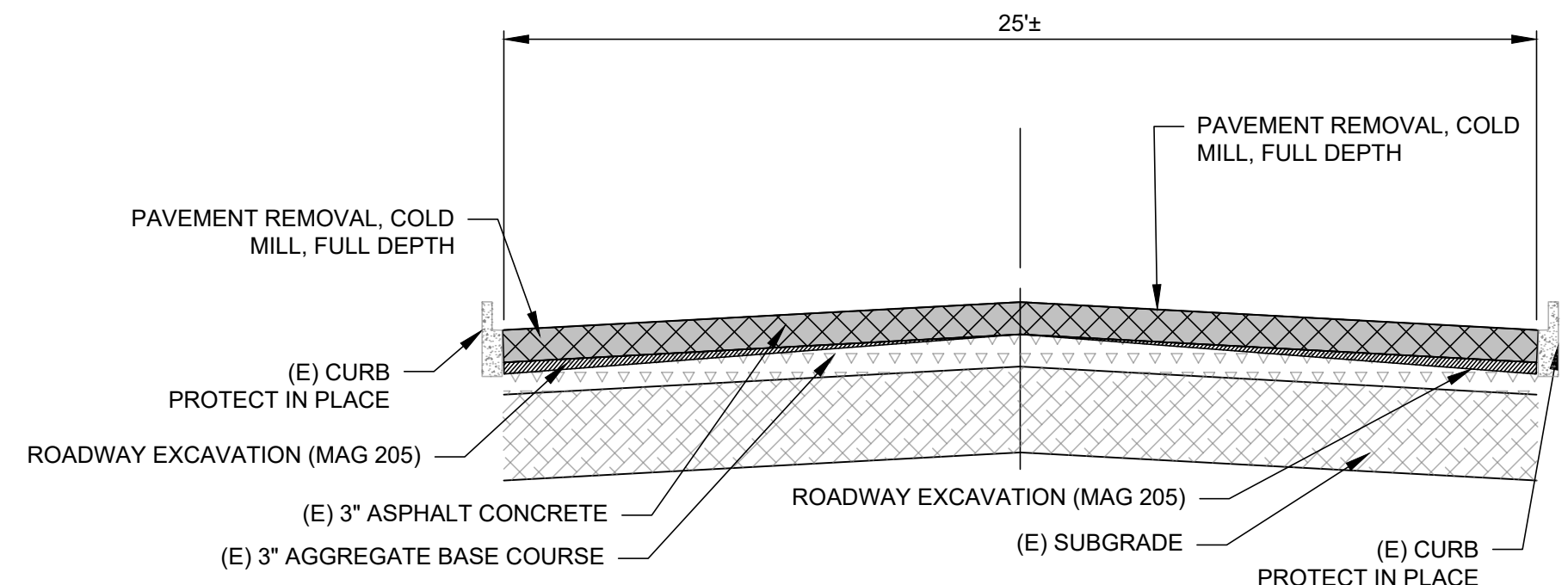
4 PROPOSED PAVEMENT DETAIL - SOUTH
NOT TO SCALE



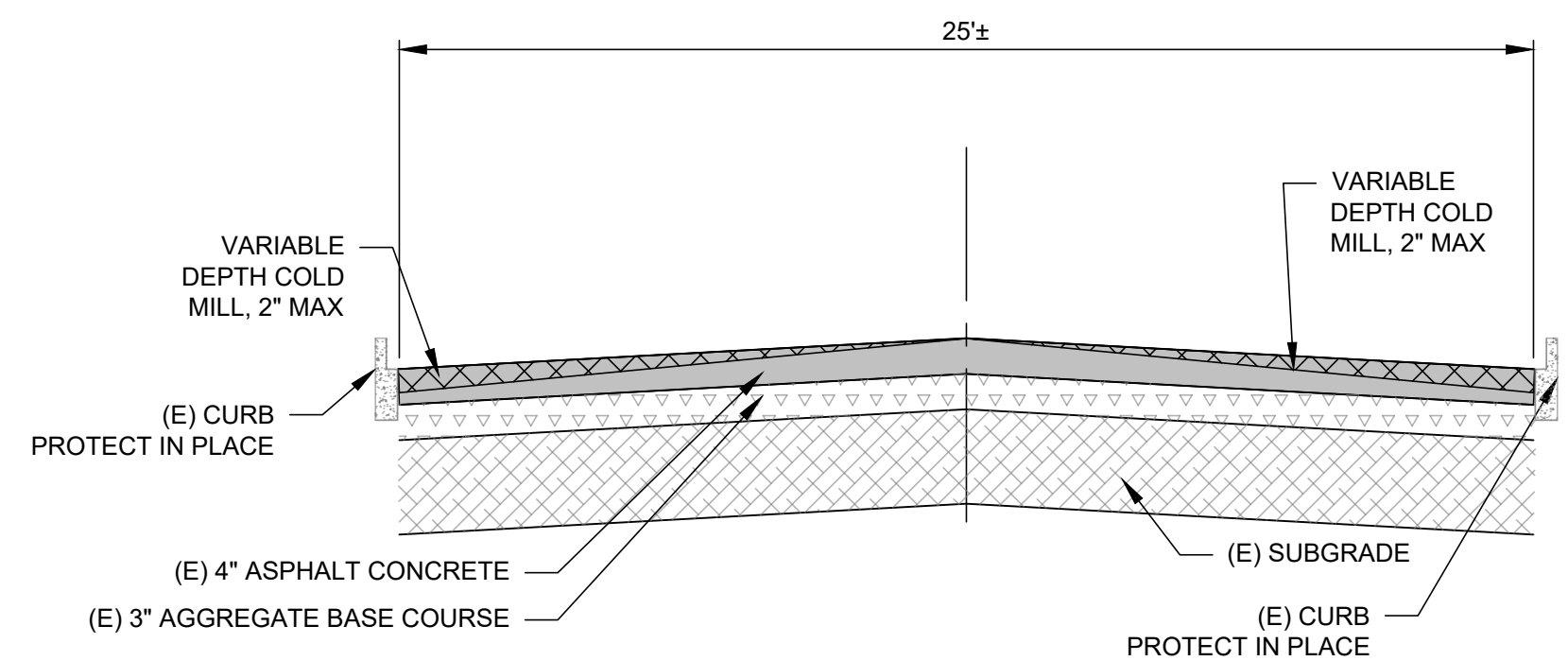
5 PROPOSED PAVEMENT DETAIL - NORTH
NOT TO SCALE



1 EXISTING ROAD PAVEMENT SECTION



2 PAVEMENT REMOVAL DETAIL - SOUTH
NOT TO SCALE



3 PAVEMENT REMOVAL DETAIL - NORTH
NOT TO SCALE

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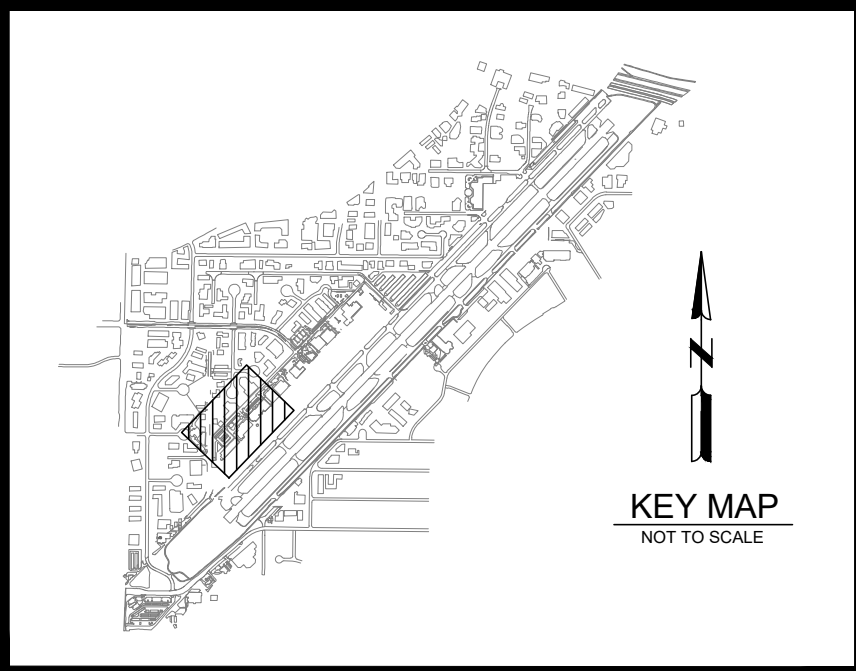
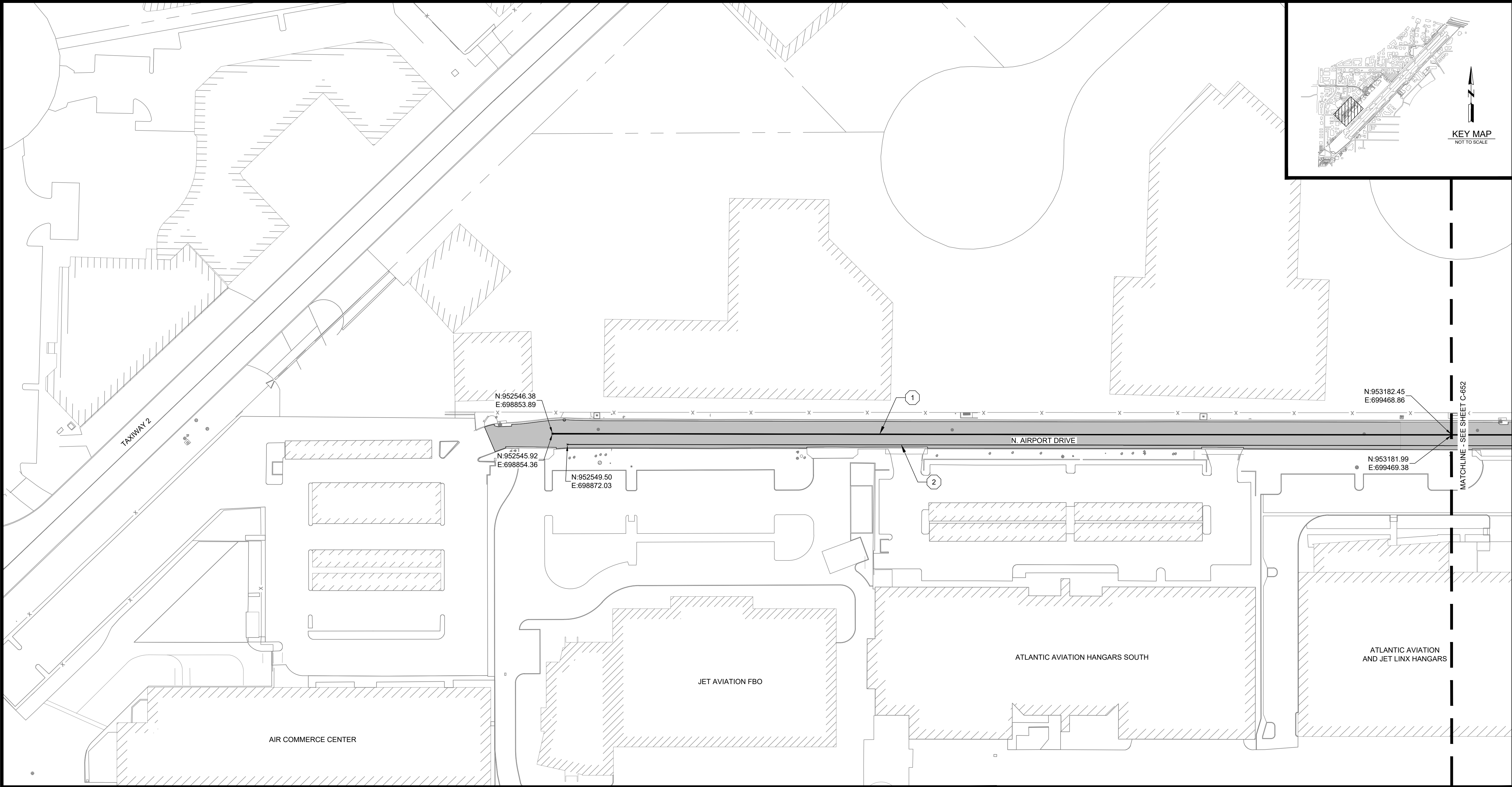
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SHEET CONTENTS
PAVEMENT DETAILS

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C-301



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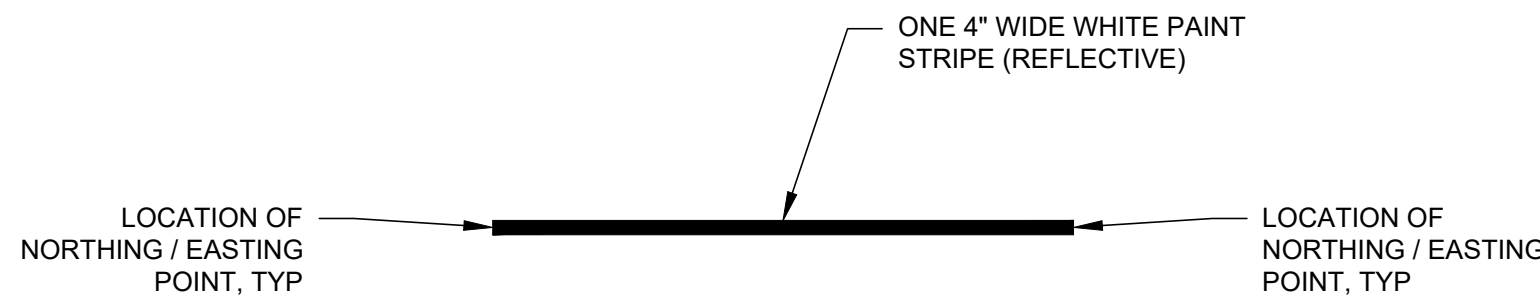
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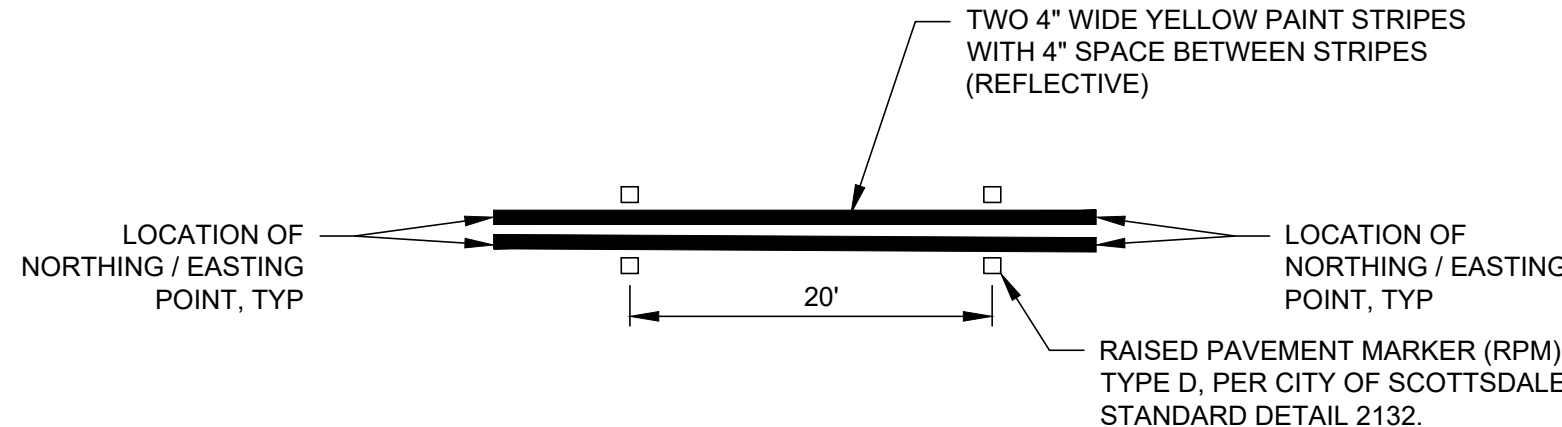
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MARKING PLAN AND
DETAILS

SHEET NO. 27 of 29

C-651



2 ROAD SHOULDER MARKING
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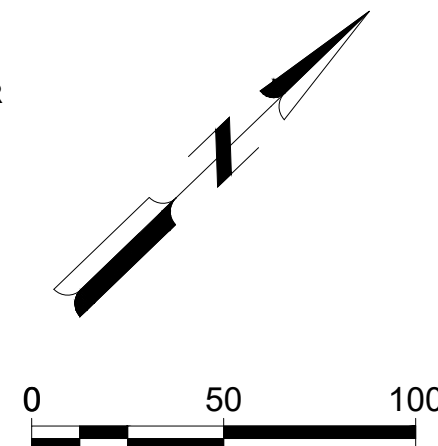
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MARKING KEYNOTES:

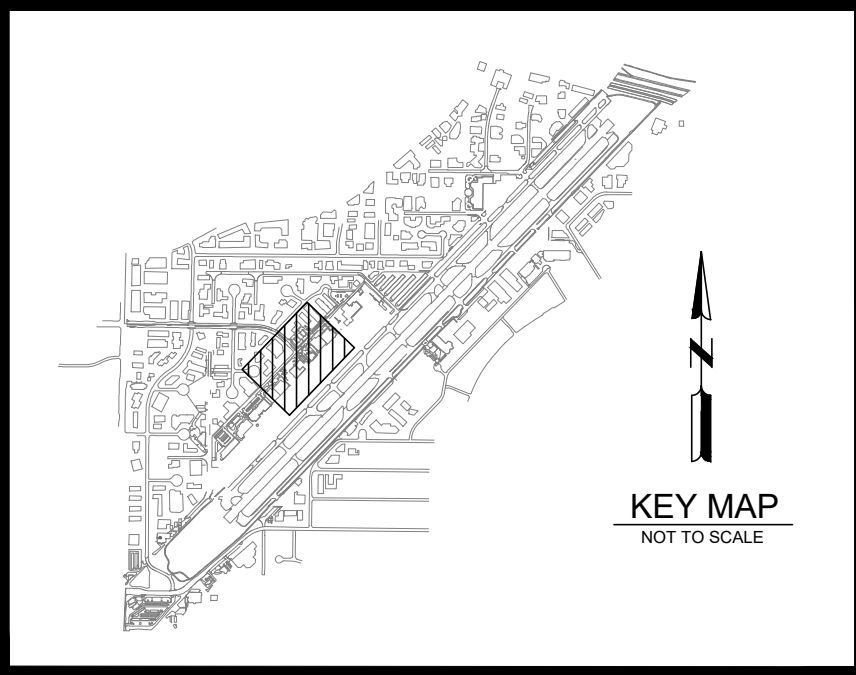
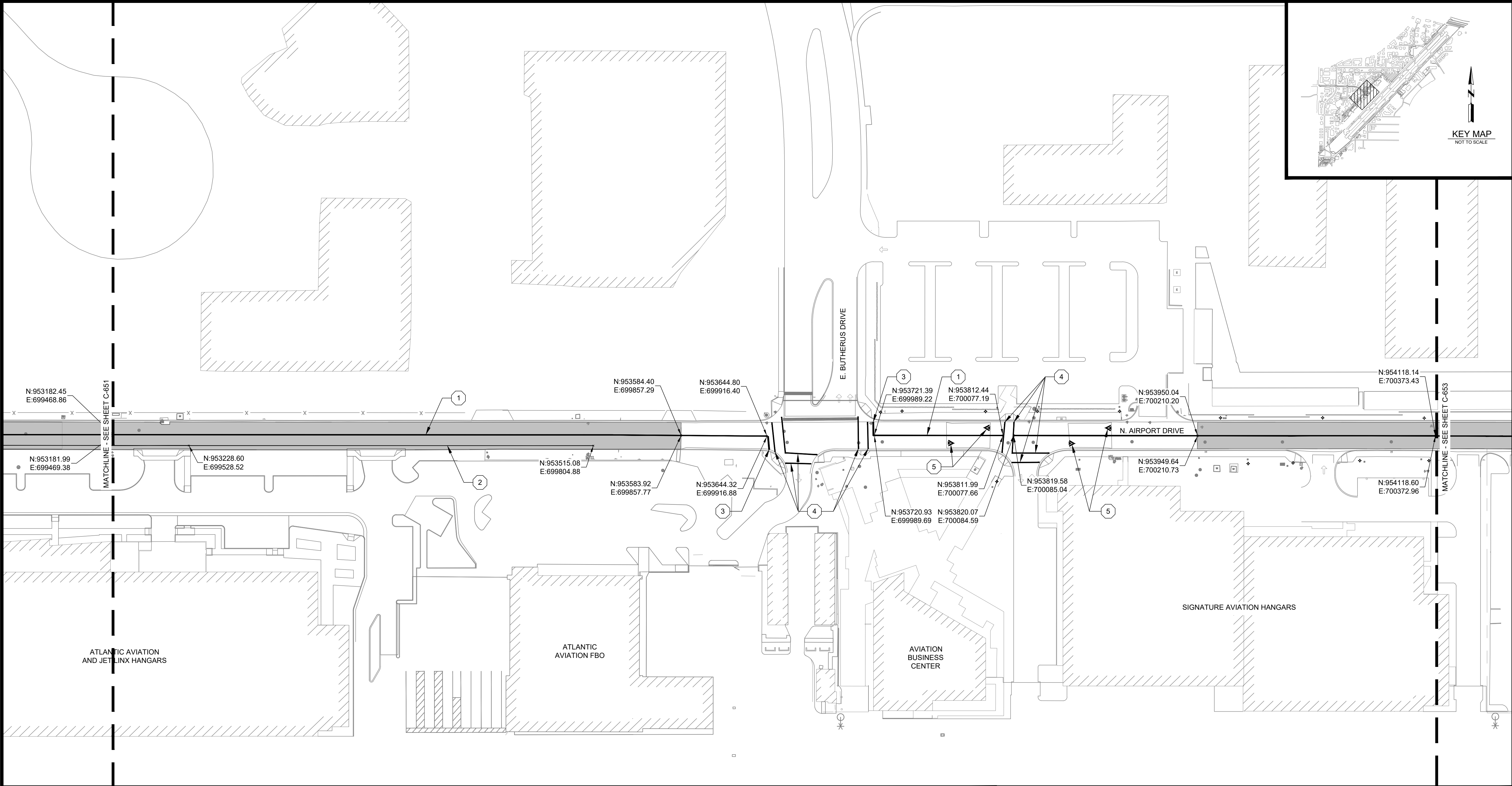
- 1 DOUBLE YELLOW ROAD CENTERLINE MARKING, SEE DETAIL 1/C-651
- 2 SINGLE WHITE SHOULDER MARKING, SEE DETAIL 2/C-651
- 3 REPAINT 18" WIDE WHITE STOP BAR MARKINGS
- 4 REPAINT 12" WIDE WHITE CROSSWALK MARKINGS
- 5 REPAINT WHITE CHEVRON MARKINGS PER COS STD DTL 2292-2

MARKING NOTES:

1. ALL SURVEY LOCATIONS OF MARKINGS ARE SHOWN ON THE CENTER OF THE STRIPE, AS SHOWN ON THE DETAILS.
2. ALL LONGITUDINAL STRIPING (EDGE LINE, LANE LINE, AND CENTERLINE) SHALL BE 0.090" EXTRUDED THERMOPLASTIC.
3. ALL TRANSVERSE STRIPING SHALL BE A MINIMUM OF 0.090" EXTRUDED THERMOPLASTIC.
4. BLUE TYPE F RPMS SHALL BE PLACED TO INDICATE ALL FIRE HYDRANTS AND REMOTE FIRE DEPARTMENT CONNECTIONS AFTER ALL PAVING IS COMPLETED. CONTRACTOR SHALL CONFIRM LOCATIONS TO PLACE BLUE TYPE F RPMS WITH THE PROJECT ENGINEER PRIOR TO THE START OF CONSTRUCTION.



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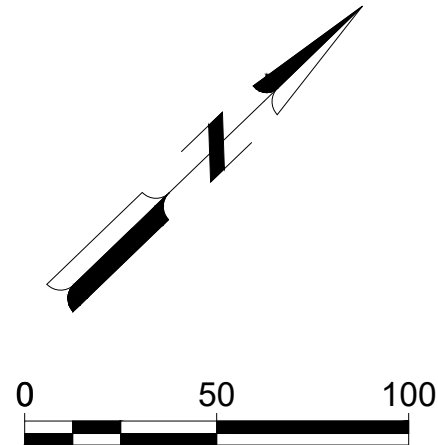
**SCOTTSDALE AIRPORT
AIRPORT DRIVE REHABILITATION**

15000 N. AIRPORT DRIVE
SCOTTSDALE, AZ 85260

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MARKING KEYNOTES:

- 1 DOUBLE YELLOW ROAD CENTERLINE MARKING, SEE DETAIL 1/C-651
- 2 SINGLE WHITE SHOULDER MARKING, SEE DETAIL 2/C-651
- 3 REPAINT 18" WIDE WHITE STOP BAR MARKINGS
- 4 REPAINT 12" WIDE WHITE CROSSWALK MARKINGS
- 5 REPAINT WHITE CHEVRON MARKINGS PER COS STD DTL 2292-2



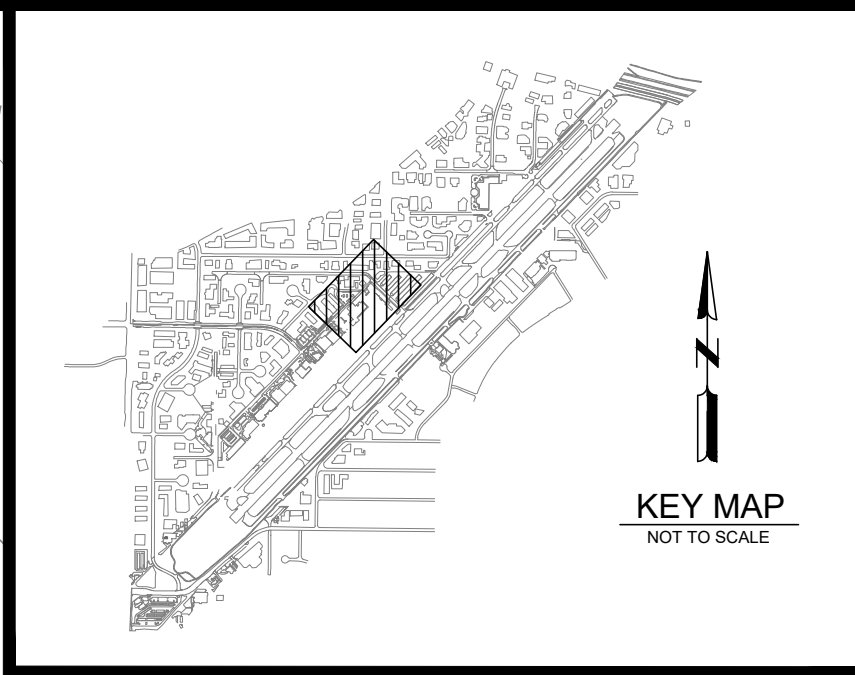
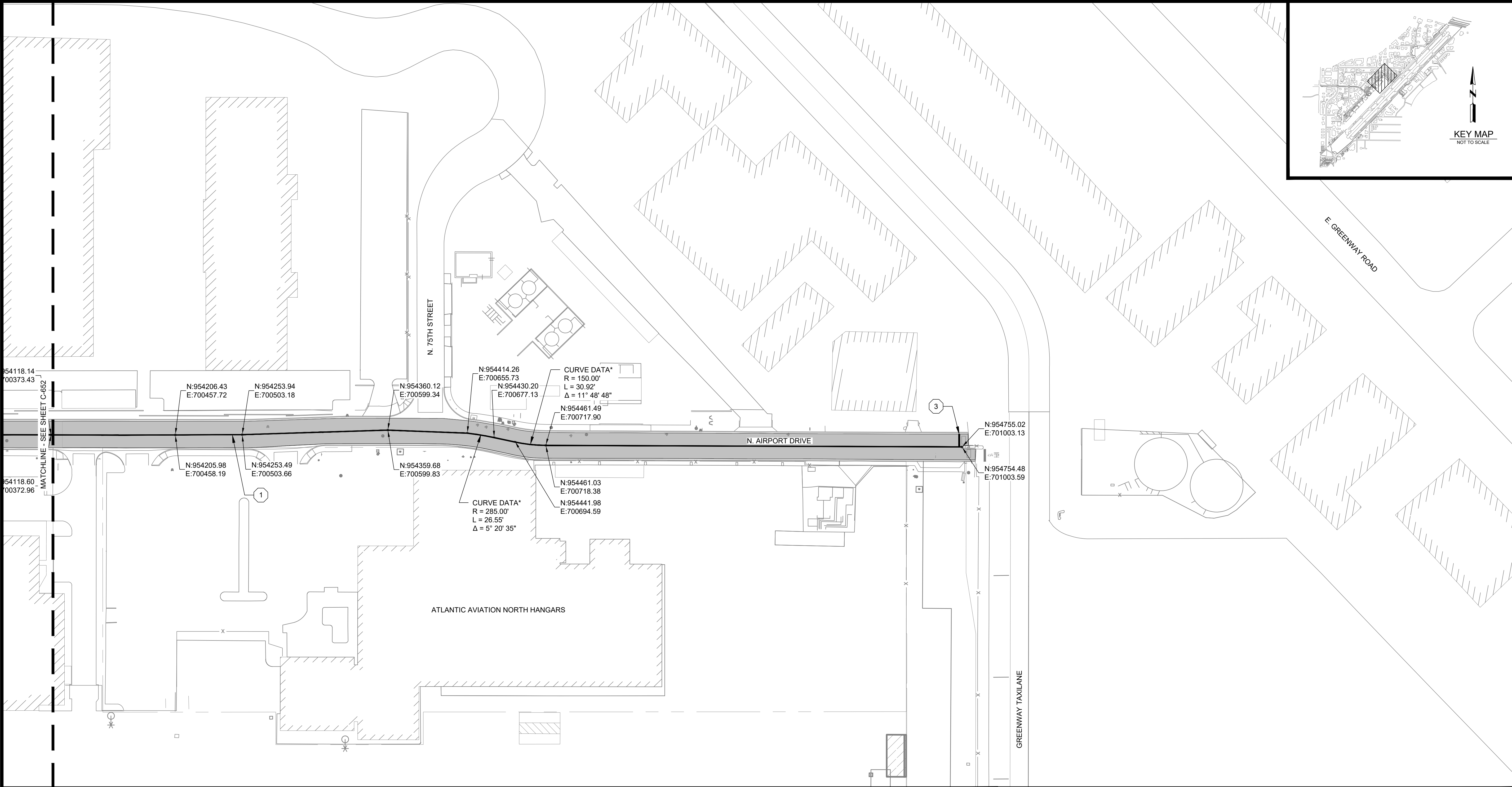
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MARKING PLAN

SHEET NO. 28 of 29

C-652

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8800 E Raintree Dr, Ste 285
Scottsdale, AZ 85260
phone: 480-718-1896
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Professional Engineer
74185
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DATE SIGNED 10/11/2022
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SHEET CONTENTS
MARKING PLAN

SHEET NO. 29 of 29

C-653

MARKING KEYNOTES:

- 1 DOUBLE YELLOW ROAD CENTERLINE MARKING, SEE DETAIL 1/C-651
- 2 SINGLE WHITE SHOULDER MARKING, SEE DETAIL 2/C-651
- 3 REPAINT 18" WIDE WHITE STOP BAR MARKINGS
- 4 REPAINT 12" WIDE WHITE CROSSWALK MARKINGS
- 5 REPAINT WHITE CHEVRON MARKINGS PER COS STD DTL 2292-2

* CURVE DATA GIVEN AT NORTHWESTERLY YELLOW LINE. OFFSET 8" FOR SOUTHEASTERLY YELLOW LINE AS SHOWN IN DETAIL 1/C-651

