CONSTRUCTION PLANS FOR

Mesa Gateway Airport

MESA, ARIZONA

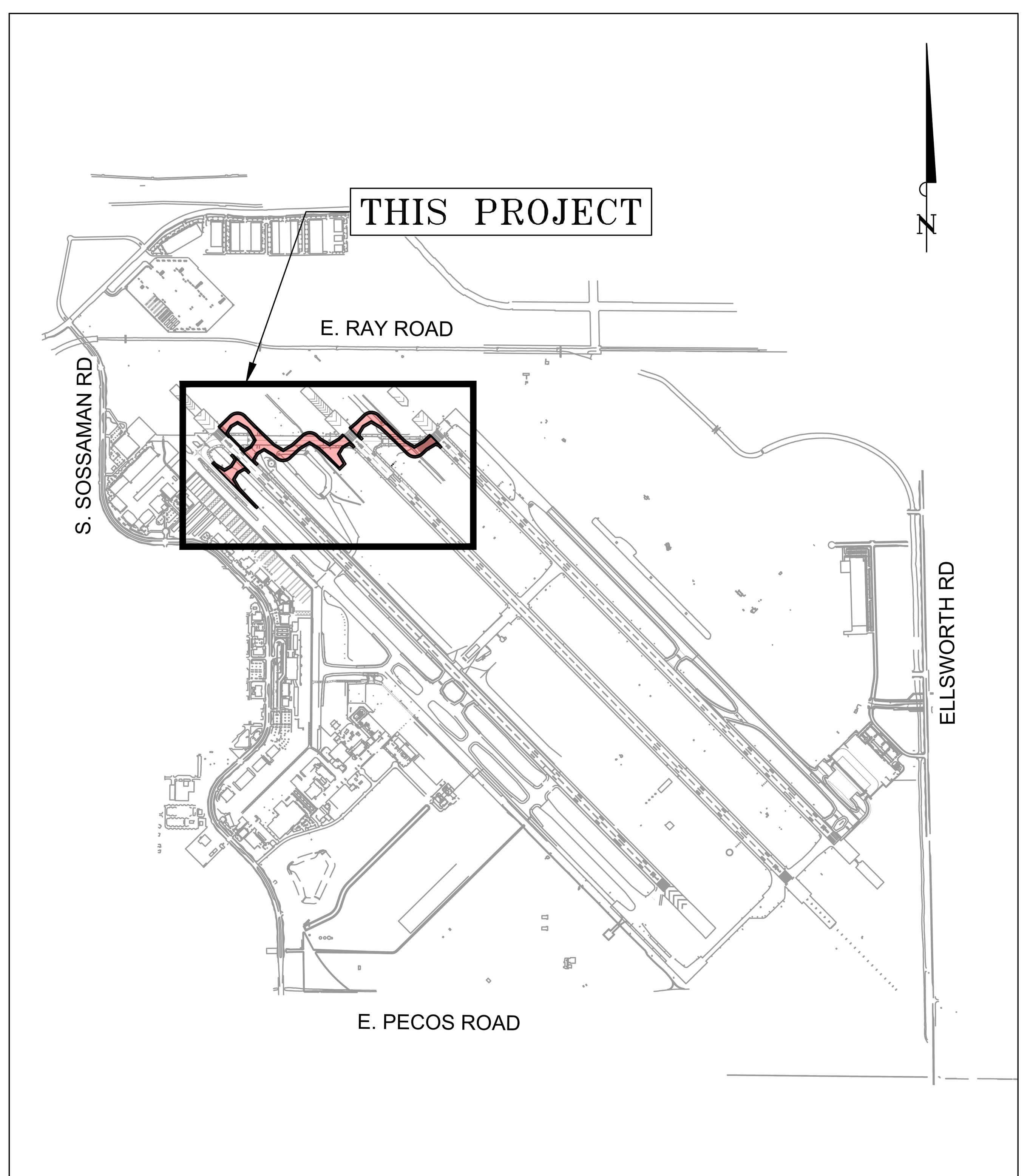
The Mesa Gateway Airport is owned and operated by the Mesa Gateway Airport Authority, a Joint Powers Airport Authority comprised of the Cities of Mesa and Apache Junction, the Towns of Queen Creek and Gilbert, and the Gila River Indian Community.
The Authority was formed by agreement between the City of Mesa, City of Apache Junction, Town of Gilbert, Town of Queen Creek, and the Gila River Indian Community, pursuant to Arizona Revised Statutes Section 28-854.

TAXIWAY G REALIGNMENT

MGAA PROJECT NO.: 1092
MGAA SOLICITATION NO.: 2026-005-RFQ
ADOT GRANT NO.: XXXX
GENERAL PROJECT DESCRIPTION:

REALIGN EXISTING TAXIWAY
CONSTRUCT NEW CONNECTOR TAXIWAYS
INFIELD GRADING AND EARTHWORK
LIGHTING AND SIGNAGE
DRAINAGE AND BASIN IMPROVEMENTS
PAVEMENT MARKING

PRELIMINARY 30% Plans
NOT ISSUED FOR CONSTRUCTION
INFORMATIONAL USE ONLY



LOCATION MAP
N.T.S.

BENCHMARK

PROJECT HORIZONTAL AND VERTICAL CONTROL IS TIED TO THE FOLLOWING SURVEY MONUMENT:

MESA GATEWAY AIRPORT DATUM

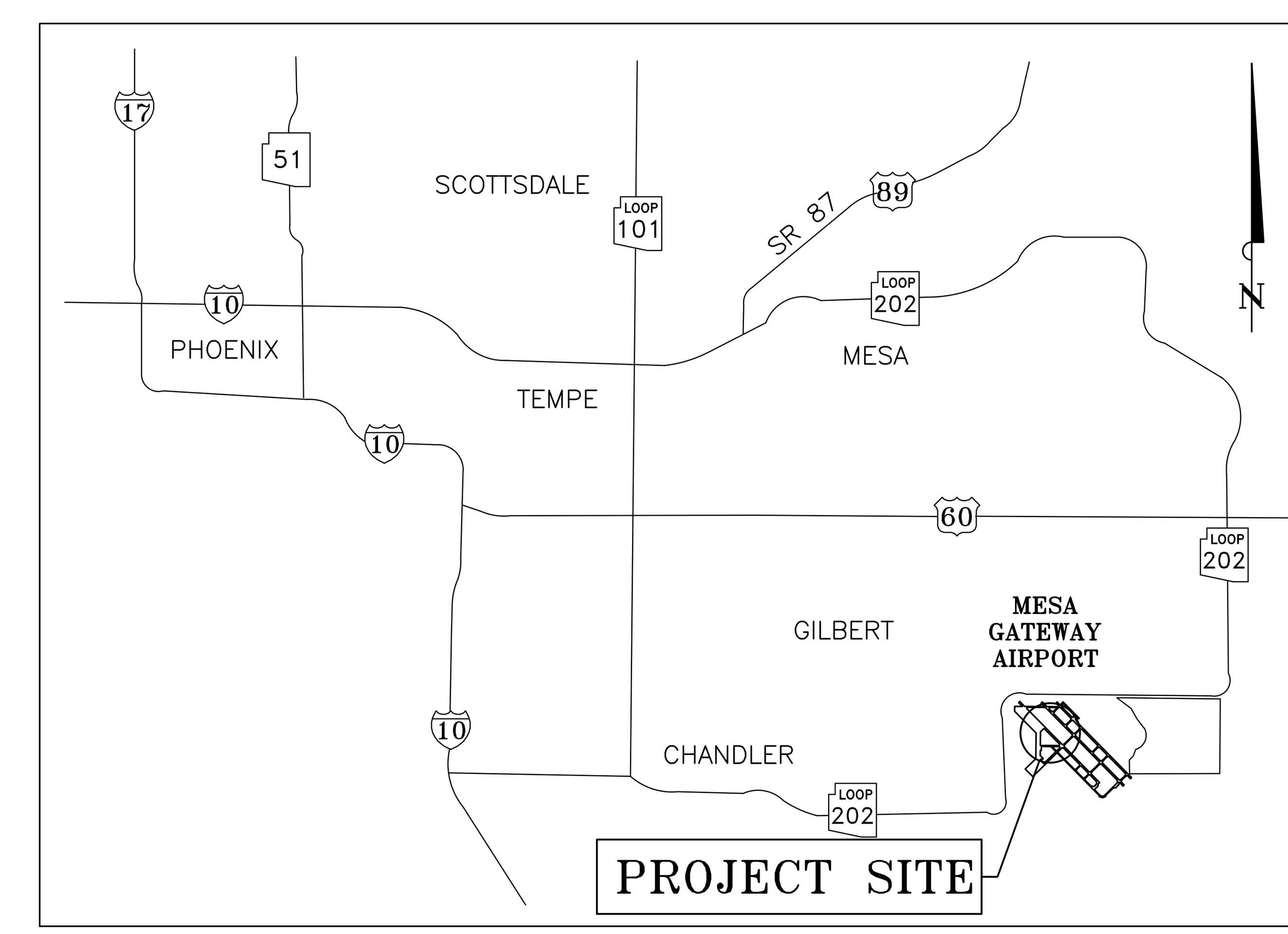
PROJECT BENCHMARK ID: 103 - IWA B
NORTHING: 843937.712
EASTING: 776679.269
ELEVATION: 1346.119

PROJECT BENCHMARK ID: 101 - IWA C
NORTHING: 834271.582
EASTING: 782102.727
ELEVATION: 1380.430

HORIZONTAL DATUM IS NAD 83 AND THE VERTICAL DATUM IS NAVD 88. ALL COORDINATES IN INTERNATIONAL. THE COMBINED AVERAGE SCALE FACTOR USED FOR THE MAPPING IS 1.0001533.

COORDINATION LIST

ORGANIZATION	CONTACT	PHONE
DESIGN		
ENGINEER (CIVIL)	JARRETT MOORE	623-552-5185
ENGINEER (ELECTRICAL)	JOSEPH BRADSHAW	775-200-1961
ENGINEER (STRUCTURAL)	BRETT STROUP	480-561-1438
ENVIRONMENTAL / GEO	NONE	NONE
SURVEYOR	RICHARD ANDERSON	602-577-7571
OWNER		
MGAA ENGINEERING AND FACILITIES	BOB DRAPER	480-988-7705
MGAA OPERATIONS	IVAN SMITH	480-988-7708
PROJECT MANAGER	RICH ADAMS	480-988-7655
UTILITIES		
CITY OF MESA UTILITIES	-	480-644-2181
LUMEN	-	602-716-3569
SOUTHWEST GAS	-	480-730-3610
SALT RIVER PROJECT	-	602-236-3333



VICINITY MAP
N.T.S.

PLANS TO BE PRINTED IN COLOR
PRINTING OR COPYING PLANS IN BLACK & WHITE (GRAYSCALE) MAY CAUSE DESIGN NOTES, DIMENSIONS, CALLOUTS, LINE WORK, ETC. TO BECOME UNREADABLE. OFFICIAL PLAN SETS TO BE USED FOR CONSTRUCTION AND RECORD KEEPING ARE TO BE PRINTED IN COLOR.

NO.	REVISION	BY	DATE

FIRM'S NAME
Kimley»Horn
KIMLEY-HORN AND ASSOCIATES, INC.
2046 Riverview Auto Dr, SUITE 400
Mesa, Arizona 85210 (480) 207-2666

FIRM'S SEAL

SCALE
Horiz. ____
Vert. ____
Date 11/26/2025
Designed by JMM
Drawn by JCC
Checked by NCW
Approved by JMM

Mesa Gateway Airport
MESA GATEWAY AIRPORT AUTHORITY
5835 SOUTH SOSSAMAN ROAD
MESA, ARIZONA 85212
(480) 988-7600
GATEWAYAIRPORT.COM

PROJECT NAME
MESA GATEWAY AIRPORT
TAXIWAY G REALIGNMENT
COVER SHEET

PROJECT NO. 091134073
FILE NO. 091134073 - CV
C1.1
SHEET 1 of 153

ABBREVIATIONS

ABAND	ABANDONED
ABC	AGGREGATE BASE COURSE
AC	ADVISORY CIRCULAR OR ASPHALTIC CONCRETE
ACI	AMERICAN CONCRETE INSTITUTE
AHD	AHEAD
AIP	AIRPORT IMPROVEMENT PROGRAM
ALP	AIRPORT LAYOUT PLAN
ALS	APPROACH LIGHT SYSTEM
AOA	AIR OPERATIONS AREA
APPROX	APPROXIMATE
APS	ARIZONA PUBLIC SERVICE
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
ATCT	AIR TRAFFIC CONTROL TOWER
AWOS	AUTOMATED WEATHER OBSERVATION SYSTEM
BK	BACK
BM	BENCH MARK
BT	BASIC TRANSPORT
BU	BASIC UTILITY
BVC	BEGIN VERTICAL CURVE
BVCE	BEGIN VERTICAL CURVE ELEVATION
BVCS	BEGIN VERTICAL CURVE STATION
CB	CATCH BASIN
CFR	CRASH, FIRE, AND RESCUE AND CODE OF FEDERAL REGULATIONS
CFS	CUBIC FEET PER SECOND
CIP	CAST IRON PIPE
CIPP	CAST-IN-PLACE CONCRETE PIPE
CL	CENTERLINE
CLR	CLEARANCE
CMP	CORRUGATED METAL PIPE
CPT	CONTROL POINT
CY	CUBIC YARDS
DIA	DIAMETER
DIP	DUCTILE IRON PIPE
E	EAST OR ELECTRICAL FEATURE
EA	ENVIRONMENTAL ASSESSMENT OR EACH
EL	ELEVATION
EOP	EDGE OF PAVEMENT
EVC	END VERTICAL CURVE
EVCE	END VERTICAL CURVE ELEVATION
EVCS	END VERTICAL CURVE STATION
EX	EXISTING
EXIST	EXISTING
FAA	FEDERAL AVIATION AGENCY (ADMINISTRATION)
FAR	FEDERAL AVIATION REGULATION
FBO	FIXED BASE OPERATOR
FH	FIRE HYDRANT
FL	FLOWLINE
FOD	FOREIGN OBJECT DAMAGE/DEBRIS
FPS	FEET PER SECOND
GA	GENERAL AVIATION OR GAUGE
GB	GRADE BREAK
GALV	GALVANIZED
GR	GRATE ELEVATION
GT	GENERAL TRANSPORT
GU	GENERAL UTILITY
HORIZ	HORIZONTAL
HP	HIGH POINT
INV	INVERT ELEVATION
IFR	INSTRUMENT FLIGHT RULES
ILS	INSTRUMENT LANDING SYSTEM
INT	INTERSECTION
IR	IRON ROD
IRRIG	IRRIGATION
JT	JOINT
KV	KILOVOLT
LF	LINEAR FEET
LS	LUMP SUM
LT	LEFT
MAG	MARICOPA ASSOCIATION OF GOVERNMENTS
MAX	MAXIMUM
MBE	MINORITY BUSINESS ENTERPRISE
MGW	MAXIMUM GROSS WEIGHT
MH	MANHOLE
MIN	MINIMUM
MIRL	MEDIUM INTENSITY RUNWAY LIGHTS
MITL	MEDIUM INTENSITY TAXIWAY LIGHTS
ML	MONUMENT LINE
N	NORTH
NE	NORTHEAST
NEC	NATIONAL ELECTRIC CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURES ASSOCIATION
NPIAS	NATIONAL PLAN OF INTEGRATED AIRPORT SYSTEMS
NAVAID	NAVIGATIONAL AID
NDB	NON-DIRECTIONAL BEACON
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NIC	NOT IN CONTRACT
NO	NUMBER
NOTAM	NOTICE TO AIRMEN
NP	NON-PLASTIC
NPI	NON-PRECISION INSTRUMENT/NON-PAY ITEM
NTP	NOTICE TO PROCEED
NTS	NOT TO SCALE
NW	NORTHWEST
OC	ON CENTER
OD	OUTSIDE DIAMETER
OSHA	OCCUPATIONAL SAFETY AND HEALTH ACT
PAPI	PRECISION APPROACH PATH INDICATOR
PC	POINT OF CURVATURE
PCC	PORTLAND CEMENT CONCRETE OR POINT OF COMPOUND CURVE
PI	POINT OF INTERSECTION OR PLASTICITY INDEX
PL	PROPERTY LINE
POC	POINT ON CURVE
PP	POWER POLE
PRC	POINT OF REVERSE CURVE
PROP	PROPOSED
PSI	POUNDS PER SQUARE INCH
PT	POINT OF TANGENCY
PVC	POLYVINYL CHLORIDE
PVI	POINT OF VERTICAL INTERSECTION
PVMT	PAVEMENT
R	RADIUS
RCP	REINFORCED CONCRETE PIPE
REIL	RUNWAY END IDENTIFIER LIGHTS
RGRCP	RUBBER GASKETED REINFORCED CONCRETE PIPE
RP	RADIUS POINT
RSA	RUNWAY SAFETY AREA
RW	RIGHT-OF-WAY
R/W	RUNWAY
RWY	RUNWAY
RT	RIGHT
S	SLOPE OR SOUTH
SD	STORM DRAIN
SE	SOUTHEAST
SEC	SECTION
SF	SEMI-FLUSH OR SQUARE FEET
SHT	SHEET
SPA	SPACING
SPEC	SPECIFICATIONS
SRP	SALT RIVER PROJECT
STA	STATION
STD	STANDARD
SW	SOUTHWEST
SY	SQUARE YARD
TSA	TAXIWAY SAFETY AREA
T/W	TAXIWAY
TWY	TAXIWAY
TYP	TYPICAL
UL	UNDERWRITERS LABORATORY
UTIL	UTILITY
VAR	VARIES
VASI	VISUAL APPROACH SLOPE INDICATOR
VC	VERTICAL CURVE
VERT	VERTICAL
VFR	VISUAL FLIGHT RULES
VPI	VERTICAL POINT OF INTERSECTION
W	WEST
W	WELDED
WF	WIRE FABRIC
WV	WATER VALVE

LEGEND

- CENTERLINE/SURVEY LINE
- PROPOSED EDGE OF STRUCTURAL PAVEMENT
- EXISTING EDGE OF STRUCTURAL PAVEMENT
- EXISTING ELECTRIC
- EXISTING CULVERT/PIPE
- PROPOSED CULVERT/PIPE
- APPROXIMATE LIMIT OF GRADING
- DRAINAGE DITCH/SWALE
- EXISTING CHAIN LINK FENCE
- EXISTING CONTOUR
- PROPOSED CONTOUR
- SURVEY MONUMENT
- × 02.16 PROPOSED SPOT ELEVATION
- EXISTING ELECTRIC BOX/HANDHOLE
- EXISTING TAXIWAY EDGE LIGHT AND BASE
- PROPOSED TAXIWAY EDGE LIGHT AND BASE
- EXISTING MANHOLE
- PROPOSED MANHOLE
- EXISTING DRAINAGE INLET
- PROPOSED DRAINAGE INLET
- EXISTING GUIDANCE SIGN
- FLAGGERS
- PORTLAND CEMENT CONCRETE PAVEMENT
- BITUMINOUS PAVEMENT
- A / 1 DETAIL/SECTION REFERENCE (DETAIL DESIGNATION ON TOP, SHEET NUMBER ON BOTTOM)
- PORTABLE LIGHTED RUNWAY CLOSURE MARKER
- HAUL ROUTE
- LOW PROFILE BARRICADES
- VERTICAL PANEL BARRICADES
- AIRCRAFT TRAFFIC ROUTE DURING CONSTRUCTION
- DESIGN AIRCRAFT (BOEING 747-400) (BOEING 737-800)

MESA GATEWAY AIRPORT TAXIWAY G REALIGNMENT

SHEET NUMBER	SHEET TITLE	SHEET DESCRIPTION
1	C1.1	COVER SHEET
2	C1.2	ABBREVIATIONS, LEGEND, AND SHEET INDEX
3	C1.3	GENERAL NOTES AND QUANTITIES
4	C1.4	PROJECT LAYOUT PLAN
5	C1.5	HORIZONTAL AND VERTICAL CONTROL PLAN
6	C1.6	STORMWATER POLLUTION PREVENTION PLAN
7	C2.1	CONSTRUCTION PHASING PLAN
8	C2.2	CONSTRUCTION PHASING PLAN
9	C2.3	CONSTRUCTION PHASING PLAN
10	C2.4	CONSTRUCTION PHASING PLAN
11	C2.5	CONSTRUCTION PHASING PLAN
12	C2.6	CONSTRUCTION PHASING PLAN
13	C2.7	CONSTRUCTION PHASING PLAN
14	C2.8	CONSTRUCTION PHASING DETAILS
15	C2.9	CONSTRUCTION PHASING DETAILS
16	C2.10	CONSTRUCTION PHASING DETAILS
17	C3.1	DEMOLITION KEY MAP
18	C3.2	OVERALL DEMOLITION PLAN
19	C3.3	OVERALL DEMOLITION PLAN
20	C3.4	DEMOLITION PLAN
21	C3.5	DEMOLITION PLAN
22	C3.6	DEMOLITION PLAN
23	C3.7	DEMOLITION PLAN
24	C3.8	DEMOLITION PLAN
25	C3.9	DEMOLITION PLAN
26	C4.1	TYPICAL SECTIONS
27	C4.2	TYPICAL SECTIONS
28	C4.3	TYPICAL SECTIONS
29	C5.1	GEOMETRIC LAYOUT PLAN
30	C5.2	GEOMETRIC LAYOUT PLAN
31	C5.3	GEOMETRIC LAYOUT PLAN
32	C5.4	GEOMETRIC LAYOUT PLAN
33	C5.5	GEOMETRIC LAYOUT PLAN
34	C5.6	GEOMETRIC LAYOUT PLAN
35	C5.7	GEOMETRIC LAYOUT PLAN
36	C5.8	GEOMETRIC LAYOUT PLAN
37	C6.1	PLAN AND PROFILE – TAXIWAY G
38	C6.2	PLAN AND PROFILE – TAXIWAY G
39	C6.3	PLAN AND PROFILE – TAXIWAY G
40	C6.4	PLAN AND PROFILE – TAXIWAY G
41	C6.5	PLAN AND PROFILE – TAXIWAY G
42	C6.6	PLAN AND PROFILE – TAXIWAY G
43	C6.7	PLAN AND PROFILE – TAXIWAY G
44	C6.8	PLAN AND PROFILE – TAXIWAY G
45	C6.9	PLAN AND PROFILE – TAXIWAY B1
46	C6.10	PLAN AND PROFILE – TAXIWAY G1
47	C6.11	PLAN AND PROFILE – BASIN
48	C6.12	PLAN AND PROFILE – BASIN
49	C6.13	PLAN AND PROFILE – BASIN
50	C6.14	PLAN AND PROFILE – BASIN
51	C7.1	PAVING ELEVATION PLAN
52	C7.2	PAVING ELEVATION PLAN
53	C7.3	PAVING ELEVATION PLAN
54	C7.4	PAVING ELEVATION PLAN
55	C7.5	PAVING ELEVATION PLAN
56	C7.6	PAVING ELEVATION PLAN
57	C7.7	PAVING ELEVATION PLAN
58	C7.8	PAVING ELEVATION PLAN
59	C8.1	GRADING AND DRAINAGE PLAN
60	C8.2	GRADING AND DRAINAGE PLAN
61	C8.3	GRADING AND DRAINAGE PLAN
62	C8.4	GRADING AND DRAINAGE PLAN
63	C8.5	GRADING AND DRAINAGE PLAN
64	C8.6	GRADING AND DRAINAGE PLAN
65	C8.7	GRADING AND DRAINAGE PLAN
66	C8.8	GRADING AND DRAINAGE PLAN
67	C8.9	GRADING AND DRAINAGE PLAN (BASIN)
68	C8.10	GRADING AND DRAINAGE PLAN DETAIL
69	C8.11	STORM DRAIN PROFILE
70	C8.12	STORM DRAIN PROFILE
71	C8.13	STORM DRAIN PROFILE
72	C8.14	STORM DRAIN PROFILE
73	C8.15	STORM DRAIN PROFILE
74	C8.16	STORM DRAIN PROFILE
75	C9.1	JOINT LAYOUT PLAN
76	C9.2	JOINT LAYOUT PLAN
77	C9.3	JOINT LAYOUT PLAN
78	C9.4	JOINT LAYOUT PLAN
79	C9.5	JOINT LAYOUT PLAN
80	C9.6	JOINT LAYOUT PLAN
81	C9.7	JOINT LAYOUT PLAN
82	C9.8	JOINT LAYOUT PLAN
83	C9.9	PAVEMENT JOINT DETAILS

MESA GATEWAY AIRPORT TAXIWAY G REALIGNMENT

SHEET NUMBER	SHEET TITLE	SHEET DESCRIPTION
84	C10.1	PAVEMENT MARKING PLAN
85	C10.2	PAVEMENT MARKING PLAN
86	C10.3	PAVEMENT MARKING PLAN
87	C10.4	PAVEMENT MARKING PLAN
88	C10.5	PAVEMENT MARKING PLAN
89	C10.6	PAVEMENT MARKING PLAN
90	C10.7	PAVEMENT MARKING PLAN
91	C10.8	PAVEMENT MARKING PLAN
92	C10.9	PAVEMENT MARKING DETAILS
93	C10.10	PAVEMENT MARKING DETAILS
94	C10.11	PAVEMENT MARKING DETAILS
95	C11.1	PROJECT DETAILS
96	C11.2	PROJECT DETAILS
97	C11.3	PROJECT DETAILS
98	C11.4	PROJECT DETAILS
99	C11.5	PROJECT DETAILS
100	C11.6	PROJECT DETAILS
101	C11.7	PROJECT DETAILS
102	C11.8	PROJECT DETAILS
103	C11.9	PROJECT DETAILS
104	C11.10	PROJECT DETAILS
105	C12.1	PHASE 1 TEMP TRANSITION
106	C12.2	PHASE 1 TEMP TRANSITION
107	C12.3	PHASE 1 TEMP TRANSITION
108	E1.0	ELECTRICAL DEMOLITION KEY MAP – PHASE 1
109	E1.1	PHASE 1 ELECTRICAL DEMOLITION PLAN
110	E1.2	PHASE 1 ELECTRICAL DEMOLITION PLAN
111	E1.3	PHASE 1 ELECTRICAL DEMOLITION PLAN
112	E2.0	ELECTRICAL LAYOUT KEY MAP – PHASE 1
113	E2.1	PHASE 1 ELECTRICAL LAYOUT PLAN
114	E2.2	PHASE 1 ELECTRICAL LAYOUT PLAN
115	E2.3	PHASE 1 ELECTRICAL LAYOUT PLAN
116	E3.0	PHASE 1 OVERALL TAXIWAY G CIRCUIT MAP
117	E3.1	ENLARGED TAXIWAY G CIRCUIT MAP
118	E3.2	ENLARGED RGL CIRCUIT MAP
119	E3.3	ENLARGED R1 CIRCUIT MAP
120	E3.4	ENLARGED R1S CIRCUIT MAP
121	E3.5	ENLARGED TAXIWAY B CIRCUIT MAP
122	E4.0	ELECTRICAL DEMOLITION KEY MAP – PHASE 2
123	E4.1	PHASE 2 ELECTRICAL DEMOLITION PLAN
124	E4.2	PHASE 2 ELECTRICAL DEMOLITION PLAN
125	E4.3	PHASE 2 ELECTRICAL DEMOLITION PLAN
126	E4.4	PHASE 2 ELECTRICAL DEMOLITION PLAN
127	E5.0	ELECTRICAL LAYOUT KEY MAP – PHASE 2
128	E5.1	PHASE 2 ELECTRICAL LAYOUT PLAN
129	E5.2	PHASE 2 ELECTRICAL LAYOUT PLAN
130	E5.3	PHASE 2 ELECTRICAL LAYOUT PLAN
131	E5.4	PHASE 2 ELECTRICAL LAYOUT PLAN
132	E5.5	PHASE 2 ELECTRICAL LAYOUT PLAN
133	E6.0	PHASE 2 OVERALL TAXIWAY G CIRCUIT MAP
134	E6.1	ENLARGED TAXIWAY G CIRCUIT MAP
135	E6.3	ENLARGED TAXIWAY G CIRCUIT MAP
136	E6.2	ENLARGED TAXIWAY G CIRCUIT MAP
137	E6.4	ENLARGED TAXIWAY G CIRCUIT MAP
138	E6.5	ENLARGED R2 CIRCUIT MAP
139	E6.6	ENLARGED R2S CIRCUIT MAP
140	E6.7	ENLARGED R3 CIRCUIT MAP
141	E6.8	ENLARGED R3S CIRCUIT MAP
142	E7.0	ELECTRICAL DETAILS
143	E7.1	ELECTRICAL DETAILS
144	E7.2	ELECTRICAL DETAILS
145	E7.3	ELECTRICAL DETAILS
146	E7.4	ELECTRICAL DETAILS
147	E7.5	ELECTRICAL DETAILS
148	E7.6	ELECTRICAL DETAILS
149	E7.7	ELECTRICAL DETAILS
150	G13.1	GEOTECHNICAL BORE HOLE DATA
151	G13.2	GEOTECHNICAL BORE HOLE DATA
152	G13.3	GEOTECHNICAL BORE HOLE DATA
153	G13.4	GEOTECHNICAL BORE HOLE DATA

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FIRM'S SEAL

SCALE
Horiz. ____
Vert. ____

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GATEWAYAIRPORT.COM

PROJECT NAME
MESA GATEWAY AIRPORT
TAXIWAY G REALIGNMENT

ABBREVIATIONS, LEGEND, AND SHEET INDEX

PROJECT NO. 091134073
FILE NO. 091134073 - NT

C1.2

QUANTITIES

PHASE 1 - BASE BID

Item	Specification Number	Bid Item Description	Quantity	Unit
Base Bid (PHASE 1)				
1	GP-50-06.1	Contractor Surveying and Staking	1	LS
2	GP-100.2	FAA Paving QA/QC Workshop	1	LS
3	SP-50.02.1	Location of Underground Utilities	5	EA
4	SP-60.04.1	Airside Traffic Control	1	LS
5	SP-80.04.1	Field Office and Curing Facilities	1	LS
6	C-100	Contractor Quality Control Program (CQCP)	1	LS
7	C-102-5.1	Temporary Air and Water Pollution, Soil Erosion, and Siltation Control	1	LS
8	C-105	Mobilization (Maximum of 5%)	1	LS
9	P-101-5.1	Pavement Removal (Portland Cement Concrete), Full Depth	16,050	SY
10	P-101-5.2	Pavement Removal (Asphalt Concrete), Full Depth	13,510	SY
11	P-101-5.3	Removal of Pipe and Other Buried Structures	1	LS
12	P-101-5.4	Compacted Millings Placement, 2" Depth	4,220	SY
13	P-151-4.1	Clearing and Grubbing	5.47	AC
14	P-152-4.1	Embankment in Place (Partially For Future Parallel)	32,380	CY
15	P-152-4.2	Over Excavation of Unsuitable materials and Backfill with Select Material	1,000	CY
16	P-152-4.3	Compacted Subgrade, 8" Depth	45,160	SY
17	P-152-4.4	Compacted Subgrade (Temporary Transition Surface), 8" Depth	5,210	SY
18	P-208-5.1	Aggregate Base Course, 11" Depth	4,580	CY
19	P-208-5.2	Aggregate Base Course, 12" Depth	20	CY
20	P-208-5.3	Aggregate Base Course (Temporary Transition Surface), 11" Depth	1,590	CY
21	P-208-5.5	Aggregate Base Course, Stabilized Shoulder	550	CY
22	P-304-5.1	Cement Treated Base Course, 6" Depth	32,840	SY
23	P-401-8.1	Asphalt Mixture Surface Course (Temporary Transition Surface), 4" Depth	1,210	TON
24	P-403-8.1	Asphalt Mixture Surface Course (Taxiway/Runway Shoulders), 2" Depth	1,740	TON
25	P-403-8.2	Asphalt Mixture Base Course (Taxiway/Runway Shoulders), 3" Depth	2,620	TON
26	P-403-8.3	Asphalt Mixture Base Course, (Temporary Transition Surface), 5" Depth	1,510	TON
27	P-501-8.1	Concrete Pavement, 16" Depth	30,160	SY
28	P-603-5.1	Emulsified Asphalt Tack Coat	11.70	TON
29	P-603-5.1	Emulsified Asphalt Tack Coat (Temporary Transition Surface)	2.40	TON
30	P-604-6.1	Compression Joint Seals for Concrete Pavements, 1/2-inch	26,300	LF
31	P-604-6.2	Compression Joint Seals for Concrete Pavements, 1-3/4-inch	710	LF
32	P-605-5.1	Joint Sealing Filler	2,000	LF
33	P-620-5.1	Reflective Yellow Taxiway Pavement Markings, Waterborne	13,700	SF
34	P-620-5.2	Non-Reflective Black Pavement Markings, Waterborne	13,240	SF
35	P-620-5.3	Pavement Marking Obliteration	119,460	SF
36	P-620-5.4	Reflective White Runway Pavement Markings, Waterborne	500	SF
37	P-620-5.5	Reflective Surface Painted Holding Position Signs, Waterborne	2,740	SF
38	P-620-5.6	Reflective Yellow Taxiway Pavement Markings, Waterborne (Temporary)	5,450	SF
39	D-701-5.1	24-inch Concrete Pipe RGRCP, Class V	770	LF
40	D-751-5.1	Single Storm Drain Inlet, Aircraft Rated	1	EA
41	D-751-5.2	Dual Storm Drain Inlet, Aircraft Rated	1	EA
42	D-751-5.5	Flared End Section	2	EA
43	D-751-5.6	Storm Drain Manhole, Aircraft Rated	1	EA
44	D-751-5.7	Adjust Existing Inlet Lid to Grade, Aircraft Rated	3	EA
45	D-751-5.8	Adjust Existing Handhole/Manhole Lid to Grade, Aircraft Rated	2	EA
46	MAG 220.5	Ungrouted RipRap, D50 = 9", with Geosynthetic Fabric	10	CY
47	MAG 525	Shotcrete, 2"	40	SY
48	L-100-5.1	Electrical Demolition	1	LS
49	L-105-6.1	Taxiway Temporary Jumpers, Lighting and Signage	1	LS
50	L-108-5.1	No. 8 AWG, 5 kV, L-824, Type C Cable, Installed in Duct Bank or Conduit	16,000	LF
51	L-108-5.2	No. 6 AWG, Solid, Bare Copper Counterpoise Wire Installed in Trench, Including Connections	8,410	LF
52	L-110-5.1	Non-Encased Conduit, 1-Way 2”	5,880	LF
53	L-110-5.2	Non-Encased Conduit, 2-Way 2"	570	LF
54	L-110-5.3	Concrete Encased Conduit, 1-Way 2"	710	LF
55	L-110-5.4	Concrete Encased Conduit, 4-Way 2”	1,250	LF
56	L-110-5.5	Temporary Condition Conduit, 1-Way 1/2” Installed Above Finished Grade and Secured to New Pavement Surface	425	LF
57	L-115-5.1	Concrete Aircraft Load Rated Electrical Handhole	9	EA
58	L-115-5.2	New Size "B" L-867 Base Can with Blank Steel Cover for Point of Connection to Existing Conduit	3	EA
59	L-115-5.3	New Blank Steel Cover on Existing L-867 Base Can	1	EA
60	L-115-5.4	New Size "B" L-867 Base Can with Blank Steel Cover for Future Taxiway Edge Light Fixture in New Paved Shoulder	3	EA
61	L-125-5.1	New L-861T(L) Taxiway Edge Light with New Isolation Transformer and Hardware, Installed on New L-867 Base Can in New Paved Shoulder	90	EA
62	L-125-5.2	Salvage L-861T Taxiway Edge Light with New Isolation Transformer and Hardware, Installed on New L-867 Base Can in New Paved Shoulder	4	EA
63	L-125-5.3	Salvage L-861(L) Elevated Runway Edge Light with New Isolation Transformer and Hardware, Installed on New L-867 Base Can in New Paved	4	EA
64	L-125-5.4	New L-850C(L) Semi-Flush In-Pavement Runway Edge Light with New Isolation Transformer and Hardware, Installed on New L-868 Base Can in	2	EA
65	L-125-5.5	New L-804(L) Elevated Runway Guard Light with New Isolation Transformer and Hardware, Installed on New L-867 Base Can in New Paved	4	EA
66	L-125-5.6	Salvage L-804(L) Elevated Runway Guard Light with New Isolation Transformer and Hardware, Installed on New L-867 Base Can in New Paved	2	EA
67	L-125-5.7	New Size 3, 1-Module Sign Installed on New Concrete Foundation	2	EA
68	L-125-5.8	New Size 3, 2-Module Sign Installed on New Concrete Foundation	7	EA
69	L-125-5.9	New Size 3, 3-Module Sign Installed on New Concrete Foundation	3	EA
70	L-125-5.10	New Size 3, 4-Module Sign Installed on New Concrete Foundation	2	EA
71	L-125-5.11	New Size 3, 3-Module Temporary Retroreflective Sign	1	EA

PHASE 2 - BASE BID

Item	Specification Number	Bid Item Description	Quantity	Unit
Alternate Bid (PHASE 2)				
1	GP-50-06.1	Contractor Surveying and Staking	1	LS
2	GP-100.2	FAA Paving QA/QC Workshop	1	LS
3	SP-50.02.1	Location of Underground Utilities	5	EA
4	SP-60.04.1	Airside Traffic Control	1	LS
5	SP-80.04.1	Field Office and Curing Facilities	1	LS
6	C-100	Contractor Quality Control Program (CQCP)	1	LS
7	C-102-5.1	Temporary Air and Water Pollution, Soil Erosion, and Siltation Control	1	LS
8	C-105	Mobilization (Maximum of 5%)	1	LS
9	P-101-5.1	Pavement Removal (Portland Cement Concrete), Full Depth	33,900	SY
10	P-101-5.2	Pavement Removal (Asphalt Concrete), Full Depth	23,940	SY
11	P-101-5.3	Removal of Pipe and Other Buried Structures	1	LS
12	P-101-5.4	Compacted Millings Placement, 2" Depth	6,870	SY
13	P-151-4.1	Clearing and Grubbing	7.79	AC
14	P-152-4.1	Embankment in Place (Partially For Future Parallel)	60,170	CY
15	P-152-4.2	Over Excavation of Unsuitable materials and Backfill with Select Material	1,000	CY
16	P-152-4.3	Compacted Subgrade, 8" Depth	72,730	SY
17	P-208-5.1	Aggregate Base Course, 11" Depth	8,000	CY
18	P-208-5.2	Aggregate Base Course, 12" Depth	50	CY
19	P-208-5.5	Aggregate Base Course, Stabilized Shoulder	950	CY
20	P-304-5.1	Cement Treated Base Course, 6" Depth	50,500	SY
21	P-403-8.1	Asphalt Mixture Surface Course (Taxiway/Runway Shoulders), 2" Depth	3,050	TON
22	P-403-8.2	Asphalt Mixture Base Course (Taxiway/Runway Shoulders), 3" Depth	4,570	TON
23	P-501-8.1	Concrete Pavement, 16" Depth	46,540	SY
24	P-603-5.1	Emulsified Asphalt Tack Coat	12.10	TON
25	P-604-6.1	Compression Joint Seals for Concrete Pavements, 1/2-inch	41,840	LF
26	P-604-6.2	Compression Joint Seals for Concrete Pavements, 1-3/4-inch	440	LF
27	P-605-5.1	Joint Sealing Filler	700	LF
28	P-620-5.1	Reflective Yellow Taxiway Pavement Markings, Waterborne	19,910	SF
29	P-620-5.2	Non-Reflective Black Pavement Markings, Waterborne	15,720	SF
30	P-620-5.4	Reflective White Runway Pavement Markings, Waterborne	24,350	SF
31	P-620-5.5	Reflective Surface Painted Holding Position Signs, Waterborne	2,740	SF
32	D-701-5.1	24-inch Concrete Pipe RGRCP, Class V	2,600	LF
33	D-751-5.1	Single Storm Drain Inlet, Aircraft Rated	3	EA
34	D-751-5.3	Triple Storm Drain Inlet, Aircraft Rated	2	EA
35	D-751-5.4	Quintuple Storm Drain Inlet, Aircraft Rated	1	EA
36	D-751-5.5	Flared End Section	6	EA
37	D-751-5.6	Storm Drain Manhole, Aircraft Rated	1	EA
38	MAG 220.5	Ungrouted RipRap, D50 = 9", with Geosynthetic Fabric	30	CY
39	MAG 525	Shotcrete, 2"	140	SY
40	L-100-5.1	Electrical Demolition	1	LS
41	L-105-6.1	Taxiway Temporary Jumpers, Lighting and Signage	1	LS
42	L-108-5.1	No. 8 AWG, 5 kV, L-824, Type C Cable, Installed in Duct Bank or Conduit	26,000	LF
43	L-108-5.2	No. 6 AWG, Solid, Bare Copper Counterpoise Wire Installed in Trench, Including Connections	9,800	LF
44	L-109-5.1	New 7.5kW Ferroresonant Constant Current Regulator, Installed in East Airfield Lighting Vault	1	EA
45	L-110-5.1	Non-Encased Conduit, 1-Way 2"	8,860	LF
46	L-110-5.3	Concrete Encased Conduit, 1-Way 2"	380	LF
47	L-110-5.4	Concrete Encased Conduit, 4-Way 2"	560	LF
48	L-115-5.1	Concrete Aircraft Load Rated Electrical Handhole	2	EA
49	L-115-5.2	New Size "B" L-867 Base Can with Blank Steel Cover for Point of Connection to Existing Conduit	1	EA
50	L-125-5.1	New L-861T(L) Taxiway Edge Light with New Isolation Transformer and Hardware, Installed on New L-867 Base Can in New Paved Shoulder	141	EA
51	L-125-5.4	New L-850C(L) Semi-Flush In-Pavement Runway Edge Light with New Isolation Transformer and Hardware, Installed on New L-868 Base Can in	3	EA
52	L-125-5.7	New Size 3, 1-Module Sign Installed on New Concrete Foundation	3	EA
53	L-125-5.8	New Size 3, 2-Module Sign Installed on New Concrete Foundation	10	EA
54	L-125-5.9	New Size 3, 3-Module Sign Installed on New Concrete Foundation	1	EA
55	L-125-5.12	New L-861T(L) Taxiway Edge Light with New Isolation Transformer and Hardware, Installed on Existing L-867 Base Can in New Paved Shoulder	3	EA

GENERAL NOTES

1. CONSTRUCTION OF THIS PROJECT SHALL BE IN ACCORDANCE WITH ALL APPLICABLE FEDERAL AVIATION ADMINISTRATION'S STANDARDS AND SPECIFICATIONS, CITY OF MESA SUPPLEMENTARY CONDITIONS, CITY OF MESA SUPPLEMENTS, LATEST REVISION TO ARIZONA DEPARTMENT OF TRANSPORTATION (ADOT) STANDARD DRAWINGS, LATEST REVISION TO THE MAG UNIFORM STANDARD GOVERNMENTS (MAG) UNIFORM STANDARD SPECIFICATIONS AND UNIFORM STANDARD DETAILS, LATEST REVISION. IN THE EVENT OF ANY CONFLICT BETWEEN THE CONTRACT DOCUMENTS FOR THIS PROJECT AND THE MAG STANDARD SPECIFICATIONS AND DETAILS AND THE CITY OF MESA SUPPLEMENTS TO THE MAG STANDARDS, THE CONTRACT DOCUMENTS FOR THIS PROJECT SHALL PREVAIL. THE FOLLOWING IS THE PRECEDENCE OF THE CONTRACT DOCUMENTS:

   SPECIAL PROVISIONS
   TECHNICAL SPECIFICATIONS, CIVIL AND ELECTRICAL PLANS/DRAWINGS
   GENERAL PROVISIONS
   GENERAL CONDITIONS TO THE CONSTRUCTION CONTRACT
   CITY OF MESA SUPPLEMENTS TO MAG STANDARD SPECIFICATIONS
   MAG UNIFORM STANDARD SPECIFICATIONS

2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PRESERVATION OF MESA GATEWAY PROPERTY AND SHALL LOCATE AND PROTECT CAREFULLY FROM DAMAGE OR DISTURBANCE OF ALL BENCHMARKS, LAND MONUMENTS AND PROPERTY MARKERS. IF DAMAGE OR INJURY TO PROPERTY DOES OCCUR DURING THE WORK, THE CONTRACTOR SHALL RESTORE, AT HIS OWN EXPENSE, SUCH PROPERTY TO A CONDITION EQUAL TO OR BETTER THAN THAT EXISTING BEFORE SUCH DAMAGE OR INJURY WAS DONE BY REBUILDING OR RESTORING AS DIRECTED.

3. SAFETY AND SECURITY – SAFETY AND SECURITY IS THE CONTRACTOR'S RESPONSIBILITY AND SHALL BE COORDINATED WITH THE MESA GATEWAY AIRPORT AUTHORITY AND THE ENGINEER (REFER TO SPECIAL PROVISION SPECIFICATION SECTION 60).

4. THE CONTRACTOR SHALL NOTIFY THE MESA GATEWAY AIRPORT AUTHORITY IN WRITING, THROUGH THE ENGINEER, A MINIMUM OF TWO (2) WEEKS PRIOR TO WORK TO OBTAIN CLEARANCE FOR WORK WITHIN THE SAFETY AREA OF TAXIWAY "G", TAXIWAY "B", TAXIWAY "Y", AND RUNWAYS 12L-30R, 12C-30C AND 12R-30L. THE CONTRACTOR SHALL SUBMIT FOR APPROVAL, TEN (10) CALENDAR DAYS AFTER THE NOTICE OF AWARD, A CRITICAL PATH METHOD (CPM) SCHEDULE.

5. EXISTING UTILITY INFORMATION SHOWN ON THE PLANS CONCERNING THE TYPE, SIZE AND LOCATION OF UTILITIES WAS COMPILED BASED ON THE BEST AVAILABLE UTILITY RECORDS PROVIDED TO THE ENGINEER. THE CONTRACTOR SHALL PROVIDE A UTILITY LOCATOR AND VERIFY THE ACTUAL LOCATION PRIOR TO CONSTRUCTION. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT ALL EXISTING UTILITIES IN PLACE UNLESS NOTED OTHERWISE OR SPECIFIED. ANY DAMAGE TO EXISTING UTILITIES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE. UTILITIES INTERFERING WITH CONSTRUCTION SHALL BE RESET OR RELOCATED BY THE UTILITY COMPANY CONCERNED UNLESS NOTED OTHERWISE. CONTRACTOR SHALL CONTACT THE UTILITY COMPANIES AT LEAST SEVENTY-TWO (72) HOURS PRIOR TO BEGINNING CONSTRUCTION.

6. AIRFIELD LIGHTING SYSTEMS – INTERRUPTION OF THE EXISTING AIRFIELD LIGHTING SYSTEM IS LIMITED TO DAYLIGHT HOURS ONLY. NOTICE SHALL BE PROVIDED TO THE MESA GATEWAY AIRPORT AUTHORITY AND THE ENGINEER AT LEAST TWO (2) WEEKS PRIOR TO ANY LIGHTING WORK.

7. TEMPORARY ELECTRICAL TIE-OVERS (JUMPER CABLES) MAY BE REQUIRED TO KEEP TAXIWAY EDGE LIGHTS AND SIGNS IN OPERATION DURING CONSTRUCTION. REFER TO SPECIAL PROVISION SPECIFICATION 60.10.

PLANS TO BE PRINTED IN COLOR

PRINTING OR COPYING PLANS IN BLACK & WHITE (GRAYSCALE) MAY CAUSE DESIGN NOTES, DIMENSIONS, CALLOUTS, LINE WORK, ETC. TO BECOME UNREADABLE. OFFICIAL PLAN SETS TO BE USED FOR CONSTRUCTION AND RECORD KEEPING ARE TO BE PRINTED IN COLOR.

NO.	REVISION	BY	DATE

FIRM'S NAME
Kimley»Horn
KIMLEY-HORN AND ASSOCIATES, INC.
2046 Riverview Auto Dr, SUITE 400
Mesa, Arizona 85210 (480) 207-2666

FIRM'S SEAL

SCALE
Horiz. ____
Vert. ____

Date 11/26/2025
Designed by JMM
Drawn by JCC
Checked by NCW
Approved by JMM

Mesa Gateway Airport
MESA GATEWAY AIRPORT AUTHORITY
5835 SOUTH SOSSAMAN ROAD
MESA, ARIZONA 85212
(480) 988-7600
GATEWAYAIRPORT.COM

PROJECT NAME
MESA GATEWAY AIRPORT
TAXIWAY G REALIGNMENT

GENERAL NOTES AND QUANTITIES

PROJECT NO. 091134073
FILE NO. 091134073 - NT

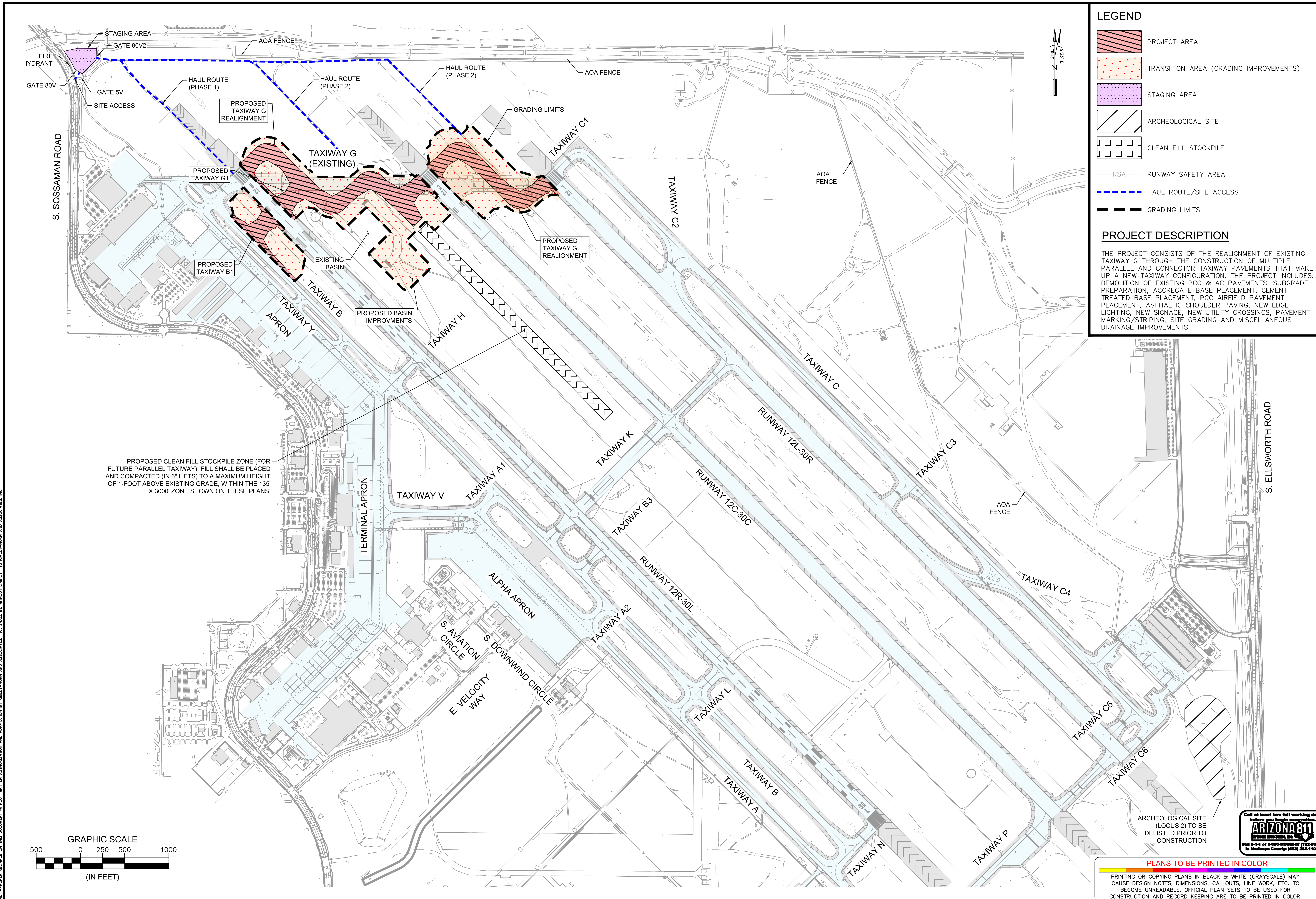
C1.3

LEGEND

- PROJECT AREA
- TRANSITION AREA (GRADING IMPROVEMENTS)
- STAGING AREA
- ARCHEOLOGICAL SITE
- CLEAN FILL STOCKPILE
- RSA — RUNWAY SAFETY AREA
- HAUL ROUTE/SITE ACCESS
- GRADING LIMITS

PROJECT DESCRIPTION

THE PROJECT CONSISTS OF THE REALIGNMENT OF EXISTING TAXIWAY G THROUGH THE CONSTRUCTION OF MULTIPLE PARALLEL AND CONNECTOR TAXIWAY PAVEMENTS THAT MAKE UP A NEW TAXIWAY CONFIGURATION. THE PROJECT INCLUDES: DEMOLITION OF EXISTING PCC & AC PAVEMENTS, SUBGRADE PREPARATION, AGGREGATE BASE PLACEMENT, CEMENT TREATED BASE PLACEMENT, PCC AIRFIELD PAVEMENT PLACEMENT, ASPHALTIC SHOULDER PAVING, NEW EDGE LIGHTING, NEW SIGNAGE, NEW UTILITY CROSSINGS, PAVEMENT MARKING/STRIPING, SITE GRADING AND MISCELLANEOUS DRAINAGE IMPROVEMENTS.



Call at least two full working days before you begin excavation.
ARIZONA 811
Arizona Blue Stake, Inc.
Dial 8-1-1 or 1-800-STAKE-IT (782-5348)
In Maricopa County: (602) 263-1100

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KIMLEY-HORN AND ASSOCIATES, INC.
2046 Riverview Auto Dr, SUITE 400
Mesa, Arizona 85210 (480) 207-2666

FIRM'S SEAL

SCALE
Horiz. 1" = 500'
Vert.

Date 11/26/2025
Designed by JMM
Drawn by JZ
Checked by NCW
Approved by JMM

Mesa Gateway Airport
MESA GATEWAY AIRPORT AUTHORITY
5835 SOUTH SOSSAMAN ROAD
MESA, ARIZONA 85212
(480) 988-7600
GATEWAYAIRPORT.COM

PROJECT NAME
MESA GATEWAY AIRPORT
TAXIWAY G REALIGNMENT

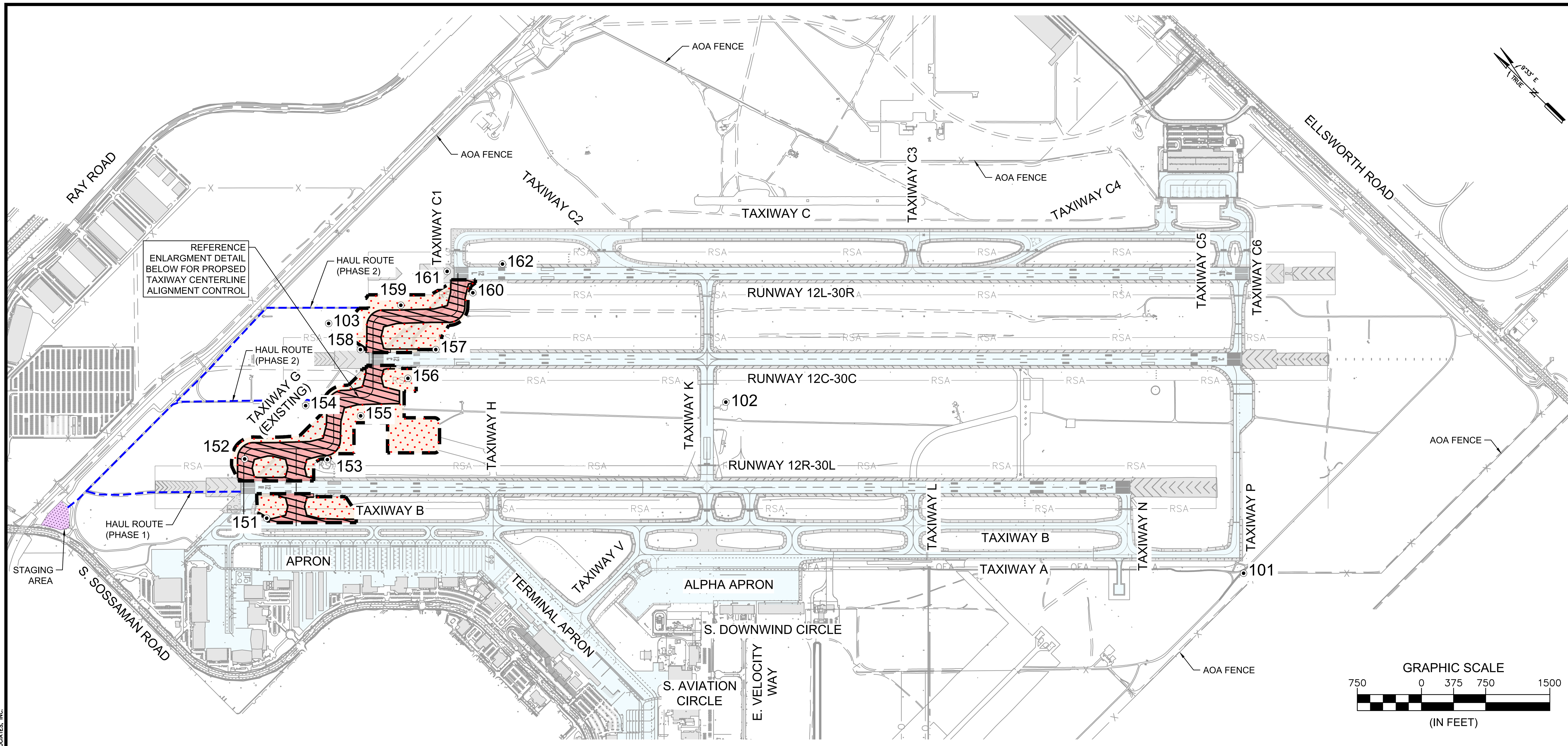
PROJECT LAYOUT PLAN

PROJECT NO. 091134073
FILE NO. 091134073 - PL

C1.4

SHEET 4 of 153

K:\EAV_Aviation\091134073 - Taxiway G Realignment\CADD\091134073 - PL.dwg Nov 26, 2025 Jason.Zhang
XREFS: x091134073 - VS x091134073 - HT-EX x091134073 - VF x091134073 - TB x091134073 - NTPL x091134073 - BM



LEGEND

- PROJECT AREA
- TRANSITION AREA (GRADING IMPROVEMENTS)
- STAGING AREA
- —RSA— RUNWAY SAFETY AREA
- HAUL ROUTE/SITE ACCESS
- GRADING LIMITS
- AIRPORT CONTROL POINT

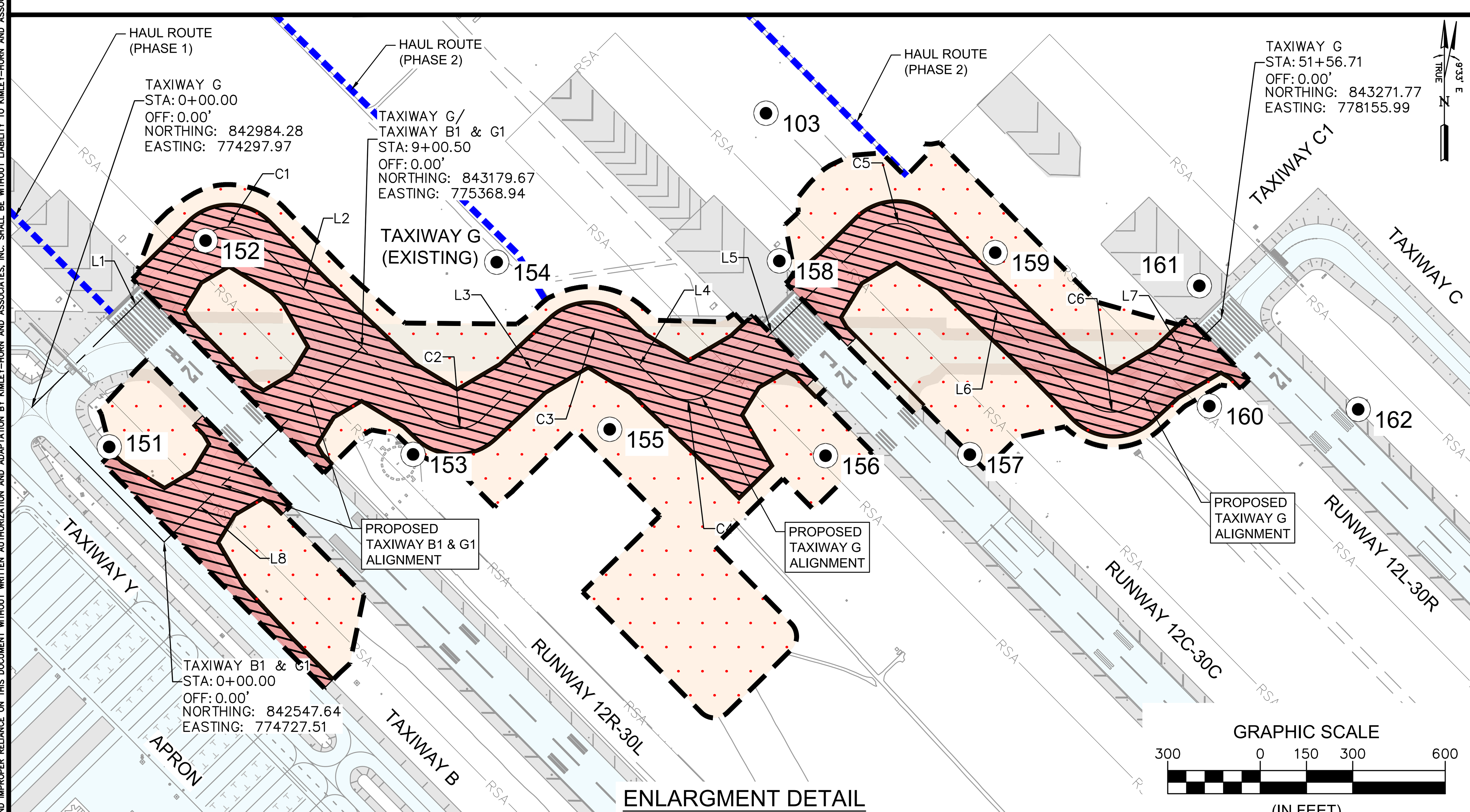
PROJECT DESCRIPTION

THE PROJECT CONSISTS OF THE REALIGNMENT OF EXISTING TAXIWAY G THROUGH THE CONSTRUCTION OF MULTIPLE PARALLEL AND CONNECTOR TAXIWAY PAVEMENTS THAT MAKE UP A NEW TAXIWAY CONFIGURATION. THE PROJECT INCLUDES: DEMOLITION OF EXISTING PCC & AC PAVEMENTS, SUBGRADE PREPARATION, AGGREGATE BASE PLACEMENT, CEMENT TREATED BASE PLACEMENT, PCC AIRFIELD PAVEMENT PLACEMENT, ASPHALTIC SHOULDER PAVING, NEW EDGE LIGHTING, NEW SIGNAGE, NEW UTILITY CROSSINGS, PAVEMENT MARKING/STRIPING, SITE GRADING AND MISCELLANEOUS DRAINAGE IMPROVEMENTS.

PROPOSED TAXIWAY G ALIGNMENT

LINE TABLE

LINE	LENGTH	BEARING
L1	785.00	N45°25'21.62"E
L2	820.92	S44°34'38.38"E
L3	370.15	N45°25'43.83"E
L4	230.00	S44°34'16.17"E
L5	720.00	N45°25'43.83"E
L6	761.92	S44°34'16.17"E
L7	384.88	N45°25'43.83"E



ENLARGMENT DETAIL

DATUM

HORIZONTAL DATUM
(SPC) STATE PLANE COORDINATE
(SF) SCALE FACTOR
(INTERNATIONAL FEET SCALED TO GROUND) = 1.0001533
PROJECT COORDINATES/SF = SPC

UNITS: INTERNATIONAL FEET
NAD 83/ARIZONA CENTRAL ZONE
VERTICAL DATUM NAVD '88

PROPOSED TAXIWAY B1 & G1 ALIGNMENT

LINE TABLE

LINE	LENGTH	BEARING
L8	900.50	N45°25'21.62"E

PROPOSED TAXIWAY G ALIGNMENT

CURVE TABLE

CURVE	RADIUS	LENGTH	DELTA
C1	115.00'	180.64'	90°00'00"
C2	115.00'	180.63'	89°59'38"
C3	115.00'	180.64'	90°00'00"
C4	115.00'	180.64'	90°00'00"
C5	115.00'	180.64'	90°00'00"
C6	115.00'	180.64'	90°00'00"

AIRPORT CONTROL STATION

POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
101	834271.582	782102.727	1380.43	FD SSR HH IWA–C
102	839985.646	779281.564	1358.00	FD BCF IWA–A
103	843937.712	776679.269	1346.12	FD BCF IWA–B HELD BM
151	842855.891	774549.302	1336.60	SET MAG/WASH
152	843524.787	774861.870	1339.33	SET BNC 1/2"
153	842831.624	775534.803	1341.49	SET+CONC CR
154	843454.776	775805.895	1342.61	SET BNC 1/2"
155	842913.019	776172.456	1344.90	SET BNC 1/2"
156	842827.433	776872.432	1346.11	SET BNC 1/2"
157	842830.927	777340.363	1349.20	SET MAG/WASH
158	843458.792	776722.585	1346.41	SET MAG/WASH
159	843486.011	777422.742	1348.66	SET BNC 1/2"
160	842988.502	778117.261	1351.58	SET BNC 1/2"
161	843378.344	778084.583	1355.68	SET MAG/WASH
162	842977.652	778599.864	1356.30	SET MAG/WASH

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In Maricopa County: (602) 263-1100

PLANS TO BE PRINTED IN COLOR

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NO.	REVISION	BY	DATE

FIRM'S NAME
Kimley»Horn
KIMLEY-HORN AND ASSOCIATES, INC.
2046 Riverview Auto Dr, SUITE 400
Mesa, Arizona 85210 (480) 207-2666

FIRM'S SEAL

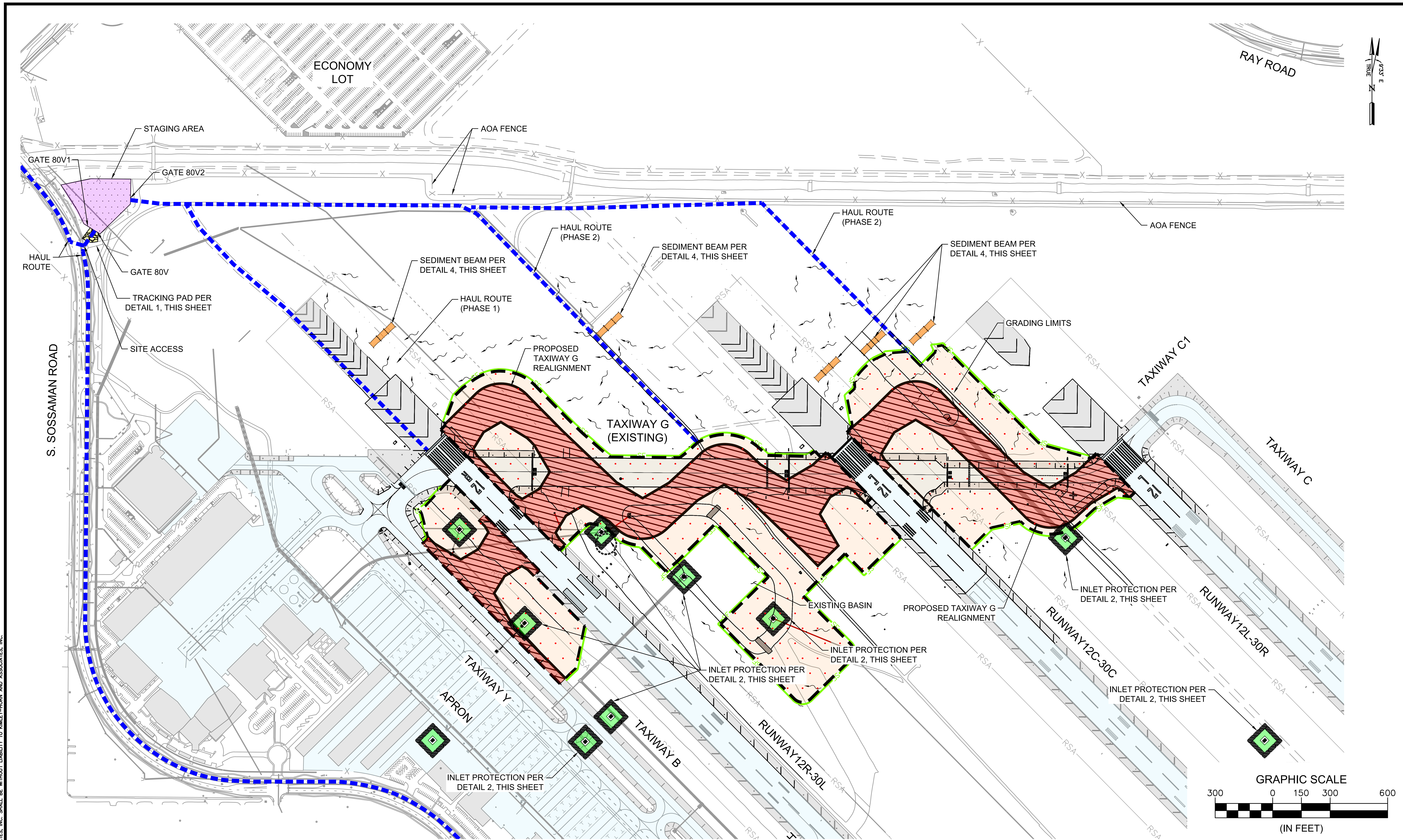
SCALE
Horiz. 1" = 750'
Vert.

Date 11/26/2025
Designed by JMM
Drawn by JZ
Checked by NCW
Approved by JMM

Mesa Gateway Airport
MESA GATEWAY AIRPORT AUTHORITY
5835 SOUTH SOSSAMAN ROAD
MESA, ARIZONA 85212
(480) 988-7600
GATEWAYAIRPORT.COM

PROJECT NAME
MESA GATEWAY AIRPORT
TAXIWAY G REALIGNMENT
HORIZONTAL AND VERTICAL CONTROL PLAN

PROJECT NO. 091134073
FILE NO. 091134073 - HV
C1.5
SHEET 5 of 153



LEGEND

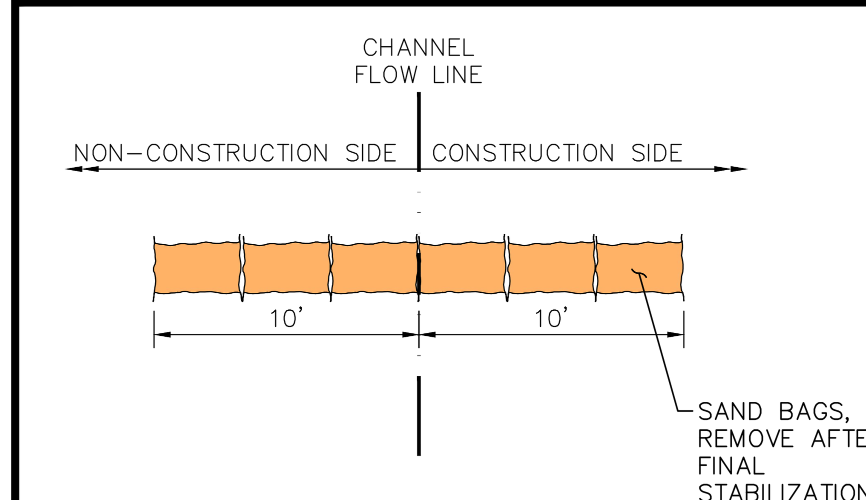
- FLOW DIRECTION ARROW FOR ONSITE RUNOFF
- GRADING LIMITS
- TRACKING PAD PER DETAIL 1, THIS SHEET
- SEDIMENT BERM PER DETAIL 4, THIS SHEET
- SILT FENCE PER DETAIL 3, THIS SHEET
- HAUL ROUTE/SITE ACCESS
- INLET PROTECTION PER DETAIL 2, THIS SHEET

GENERAL NOTES:

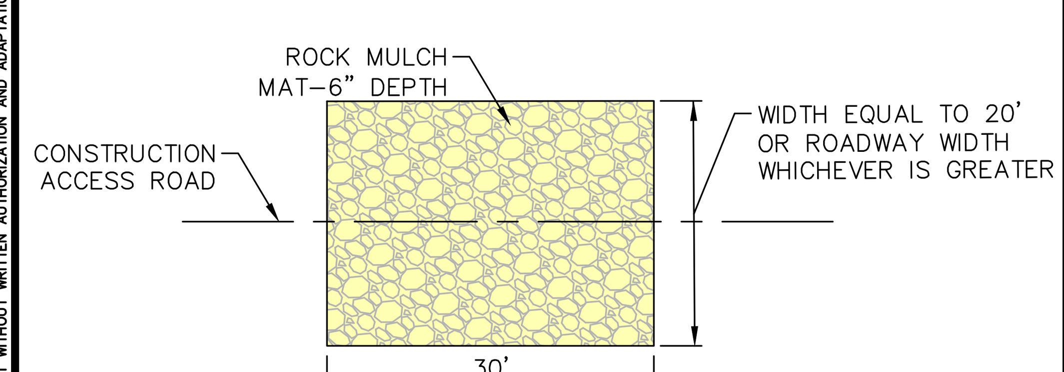
1. DURING CONSTRUCTION, THE CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE AWAY FROM PAVED AREAS.
2. THE CONTRACTOR IS RESPONSIBLE FOR DEVELOPMENT AND IMPLEMENTATION OF A SPILL PREVENTION AND RESPONSE PLAN, REFER TO ITEM C-102.
3. THE CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES AND GOOD HOUSEKEEPING STANDARDS ON SITE, REFER TO ITEM C-102.
4. THE CONTRACTOR IS RESPONSIBLE FOR DEVELOPING A DUST CONTROL PLAN AND OBTAINING AND ADHERING TO THE PROVISIONS OF REQUIRED MARICOPA COUNTY CLEAN AIR STANDARDS.
5. THE CONTRACTOR SHALL INSTALL INLET PROTECTION AT ALL DRAINAGE DISCHARGE POINTS WITHIN THE CONSTRUCTION AREA AND STAGING AREA. THE PLACEMENT AND QUANTITY WILL BE DETERMINED BY THE CONTRACTOR AS SHOWN ON THEIR STORM WATER POLLUTION PREVENTION PLAN.
6. SILT FENCES AND SILT BARRIERS ARE REQUIRED PER BEST MANAGEMENT PRACTICES.

APPROXIMATE GRADING LIMITS:

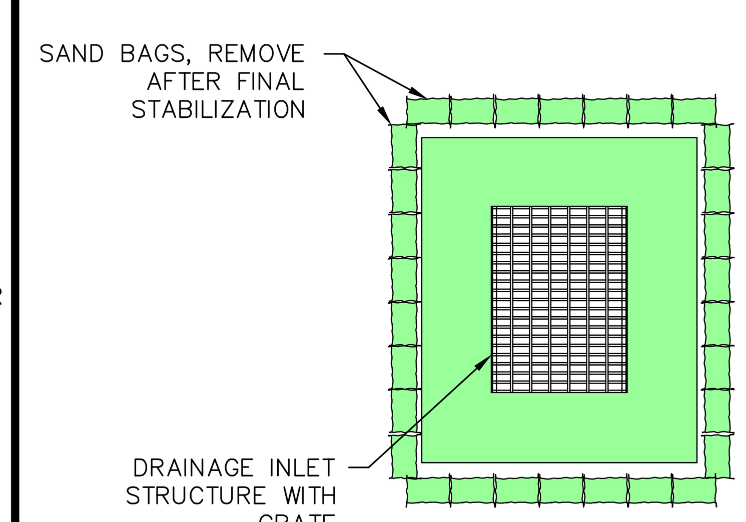
1. 60.6758 ACRES



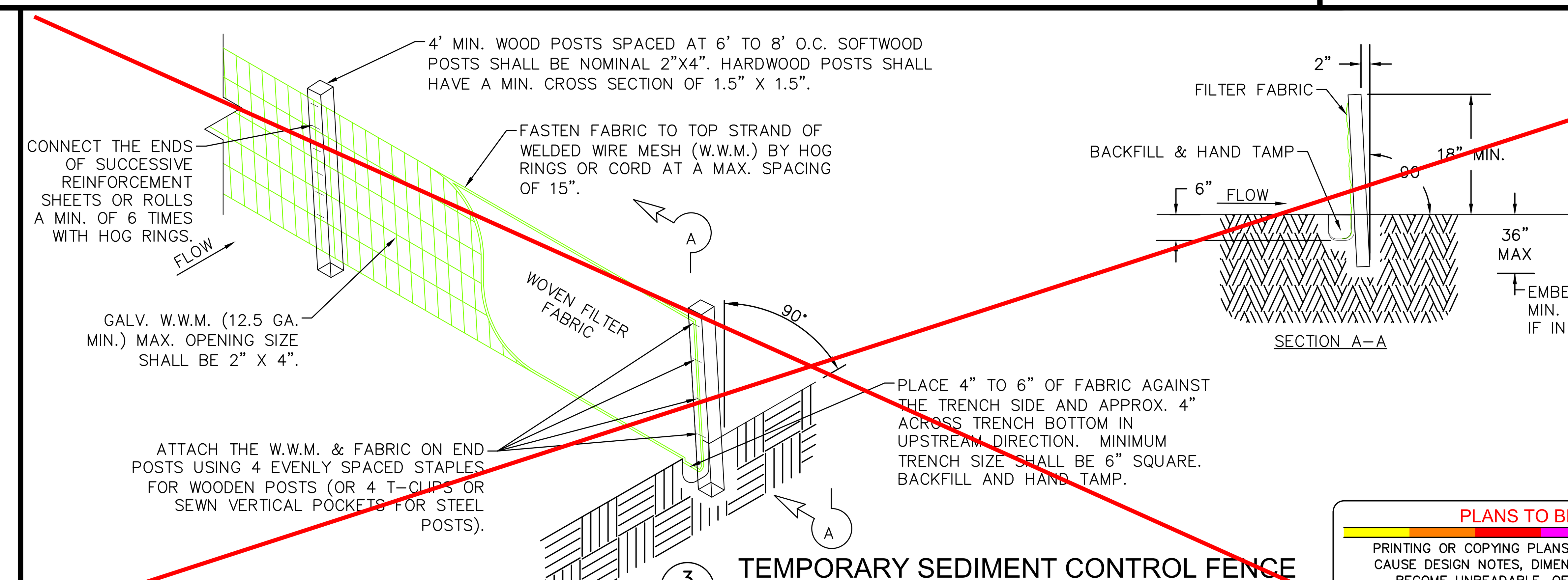
4 C1.6 SEDIMENT BERM
N.T.S.



1 C1.6 VEHICLE TRACKING CONTROL PAD
OR APPROVED ALTERNATE
N.T.S.



2 C1.6 INLET PROTECTION
N.T.S.



3 C1.6 TEMPORARY SEDIMENT CONTROL FENCE
N.T.S.

Call at least two full working days before you begin excavation.
ARIZONA 811
Arizona Blue Stake, Inc.
Dial 8-1-1 or 1-800-STAKE-IT (782-5348)
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NO.	REVISION	DATE	BY

FIRM'S NAME
Kimley»Horn
KIMLEY-HORN AND ASSOCIATES, INC.
2046 Riverview Auto Dr, SUITE 400
Mesa, Arizona 85210 (480) 207-2666

FIRM'S SEAL

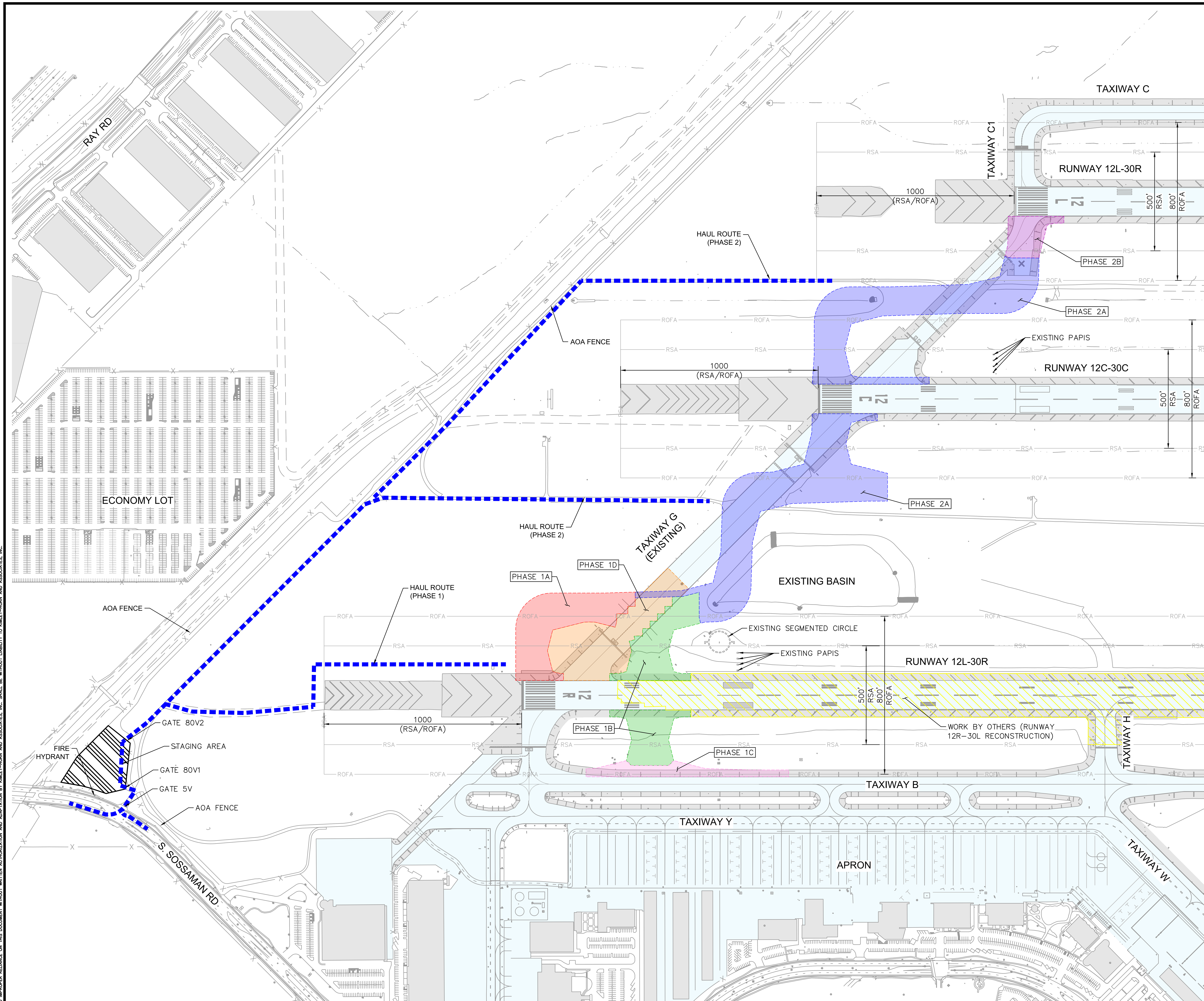
SCALE
Horiz. 1" = 300'
Vert. —

Date 11/26/2025
Designed by JMM
Drawn by JZ
Checked by NCW
Approved by JMM

Mesa Gateway Airport
MESA GATEWAY AIRPORT AUTHORITY
5835 SOUTH SOSSAMAN ROAD
MESA, ARIZONA 85212
(480) 988-7600
GATEWAYAIRPORT.COM

PROJECT NAME
MESA GATEWAY AIRPORT
TAXIWAY G REALIGNMENT
STORMWATER POLLUTION PREVENTION PLAN

PROJECT NO. 091134073
FILE NO. 091134073 - SWM
C1.6
SHEET 6 of 153



CONSTRUCTION DURATION TABLE	
PHASE 1A	
PHASE 1B	
PHASE 1C	
PHASE 1D	
PHASE 2A	
PHASE 2B	
TOTAL	

LEGEND

- PHASE 1A PROJECT AREA
- PHASE 1B PROJECT AREA
- PHASE 1C PROJECT AREA
- PHASE 1D PROJECT AREA
- PHASE 2A PROJECT AREA
- PHASE 2B PROJECT AREA
- WORK BY OTHERS ("RUNWAY 12R-30L RECONSTRUCTION AREA)
- CONTRACTOR STAGING AND LAYDOWN AREA
- CONSTRUCTION HAUL ROUTE

GENERAL NOTES:

1. CONSTRUCTION MAY START ONLY AFTER RECEIVING A NOTICE TO PROCEED (NTP) FROM THE AIRPORT.
2. PRIOR TO BEGINNING CONSTRUCTION LOW PROFILE BARRICADES MUST BE INSTALLED AND VERTICAL PANEL BARRICADES MUST BE INSTALLED AROUND THE HAUL ROUTE AND PROJECT AREA PER THE LIMITS SHOWN ON THIS PLAN.
3. ALL PROJECT WORK ITEMS MUST BE COMPLETED PER THE APPROVED CONTRACT TIME. THE CONTRACTOR SHALL PROVIDE A CONSTRUCTION SCHEDULE TO THE ENGINEER FOR APPROVAL IN ACCORDANCE WITH THESE PHASING PLANS, SPECIAL PROVISIONS, AND GENERAL PROVISIONS.
4. ANY DAMAGE TO PAVEMENT MARKINGS ON RUNWAYS, ADJACENT TAXIWAYS, BLAST PADS, AND SHOULDER AREAS SHALL BE REPAIRED BY THE CONTRACTOR IN AN APPROVED MANNER AT THE CONTRACTOR'S SOLE EXPENSE.
5. THE PHASE LIMITS SHOWN ARE NOT AN ALL-INCLUSIVE REPRESENTATION OF WORK ITEMS. PHASE LIMITS SHOWN INCLUDE PAVEMENT AND SHOULDER PAVING LIMITS, BUT DO NOT INCLUDE ALL LIMITS OF GRADING, UTILITIES, MARKINGS, OR OTHER WORK ITEMS.
6. THIS SHEET DEPICTS STAGING AREAS, HAUL ROUTES, AND WORK AREAS FOR THE PROJECT. SUBSEQUENT PLAN SHEETS PROVIDE DETAILED PHASING PLANS FOR EACH WORK AREA. ADDITIONAL PHASING DESCRIPTIONS SHALL BE FOUND IN THE CSPP.
7. DURING PHASE 1A THROUGH 1C, TAXIWAY G SHALL BE LIMITED TO ADG III TRAFFIC ONLY. SEE SHEET C2.2 THROUGH C2.4 FOR DETAILED PHASING AND OPERATIONAL REQUIREMENTS.
8. SUBSTANTIAL COMPLETION OF EACH WORK AREA SHALL INCLUDE ALL WORK REQUIRED TO OPEN RUNWAYS, TAXIWAYS/TAXILANES, AND/OR APRONS TO OPERATIONAL USE BY AIRCRAFT.
9. GATE #80V1 SHALL BE USED FOR ACCESS TO THE STAGING AREA. GATE #80V2 SHALL BE USED FOR ACCESS TO THE PROJECT SITE. ANY DEVIATION FROM THE HAUL ROUTES SHOWN IN THE PLANS MUST BE APPROVED BY THE ENGINEER.
10. THE CONTRACTOR SHALL MAINTAIN ACCESS TO AIRPORT SERVICE ROADS AT ALL TIMES. DRIVABLE CONDITIONS SHALL BE MAINTAINED ON AIRPORT SERVICE ROADS AND HAUL ROUTES ALL TIMES DURING CONSTRUCTION AS APPROVED BY THE AIRPORT AND THE ENGINEER.
11. ARFF ROUTES MUST REMAIN OPEN AND UNBLOCKED AT ALL TIMES.

GRAPHIC SCALE
250 0 125 250 500
(IN FEET)

Call at least two full working days before you begin excavation. ARIZONA811 Arizona Blue Stake, Inc. Dial 8-1-1 or 1-800-STAKE-IT (782-5348) In Maricopa County: (602) 263-1100

PLANS TO BE PRINTED IN COLOR
PRINTING OR COPYING PLANS IN BLACK & WHITE (GRAYSCALE) MAY CAUSE DESIGN NOTES, DIMENSIONS, CALLOUTS, LINE WORK, ETC. TO BECOME UNREADABLE. OFFICIAL PLAN SETS TO BE USED FOR CONSTRUCTION AND RECORD KEEPING ARE TO BE PRINTED IN COLOR.

NO.	REVISION	BY	DATE

FIRM'S NAME
Kimley»Horn
KIMLEY-HORN AND ASSOCIATES, INC.
2046 Riverview Auto Dr., SUITE 400
Mesa, Arizona 85210 (480) 207-2666

FIRM'S SEAL

SCALE
Horiz. 1" = 250'
Vert. N/A
Date 11/26/2025
Designed by JMM
Drawn by LB
Checked by NCW
Approved by JMM

Mesa Gateway Airport
MESA GATEWAY AIRPORT AUTHORITY
5835 SOUTH SOSSAMAN ROAD
MESA, ARIZONA 85212
(480) 988-7600
GATEWAYAIRPORT.COM

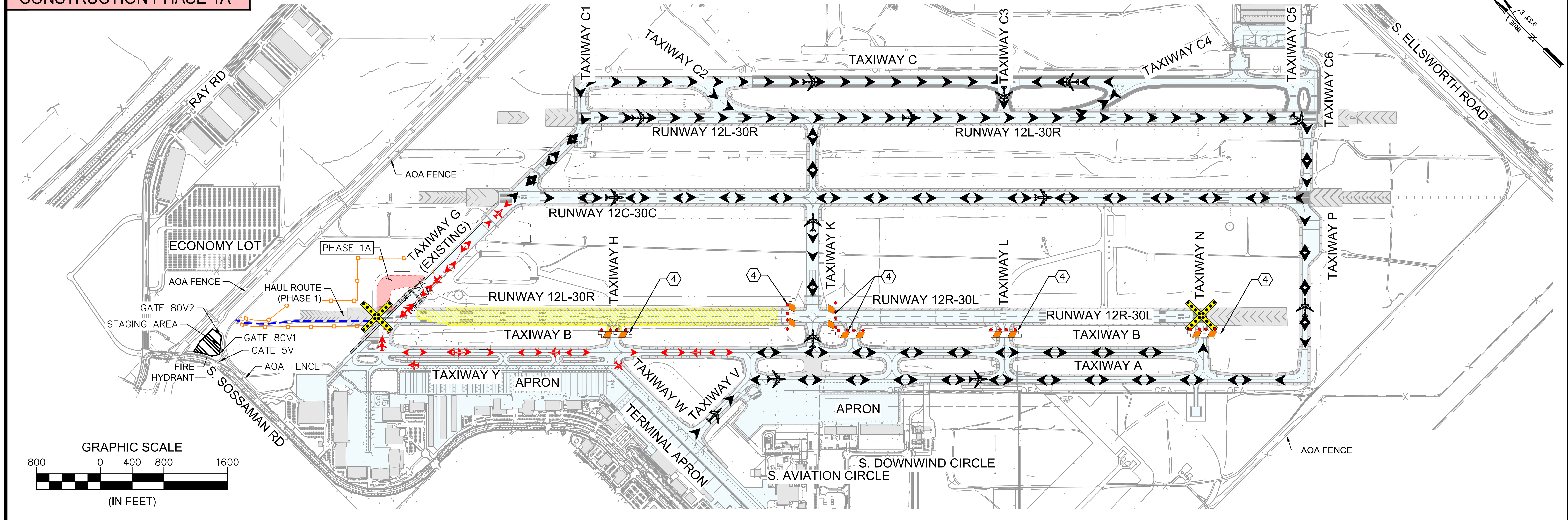
PROJECT NAME
MESA GATEWAY AIRPORT
TAXIWAY G REALIGNMENT

CONSTRUCTION PHASING PLAN
OVERALL

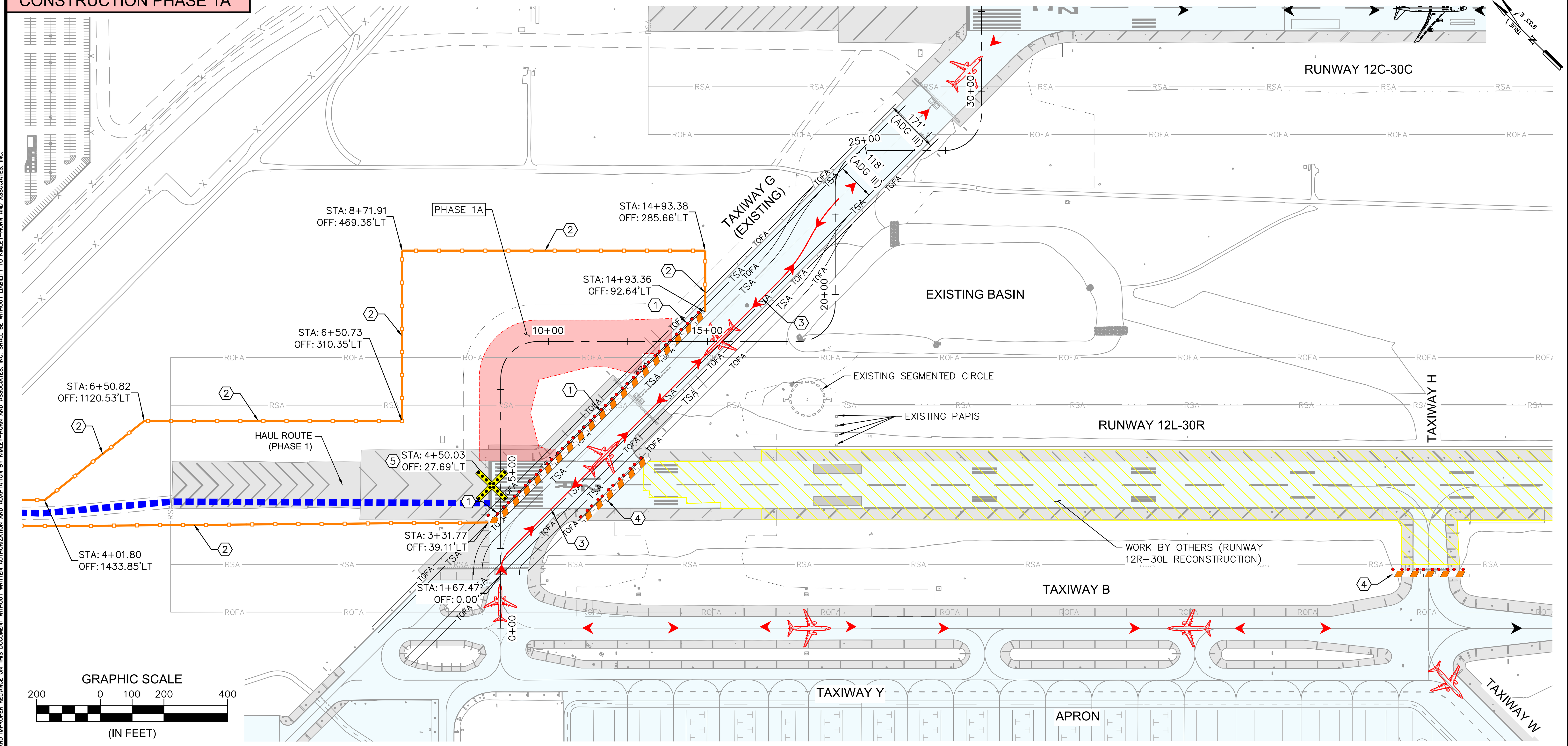
PROJECT NO. 091134073
FILE NO. 091134073 - CS01

C2.1

CONSTRUCTION PHASE 1A



CONSTRUCTION PHASE 1A



CONSTRUCTION DURATION TABLE	
PHASE 1A	
TOTAL	

LEGEND

- PHASE 1A PROJECT AREA
- PHASE 1B PROJECT AREA
- PHASE 1C PROJECT AREA
- PHASE 1D PROJECT AREA
- PHASE 2A PROJECT AREA
- PHASE 2B PROJECT AREA
- WORK BY OTHERS ("RUNWAY 12R-30L RECONSTRUCTION AREA)
- CONTRACTOR STAGING AND LAYDOWN AREA
- CONSTRUCTION HAUL ROUTE
- ADG V AIRCRAFT OPERATIONS (B747-400)
- ADG III AIRCRAFT OPERATIONS (B737-800)
- PAVEMENT OPEN TO AIRCRAFT OPERATIONS
- LOW PROFILE BARRICADES, PER DETAIL 1, SHEET #####
- INSTALL VERTICAL PANEL BARRICADES, PER DETAIL 2, SHEET #####
- PORTABLE LIGHTED "X" RUNWAY CLOSURE, PER DETAIL 3, SHEET C11.1
- FLAGGER

GENERAL NOTES:

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3. THE CONTRACTOR SHALL MEET ALL THE MILESTONES OUTLINED FOR THIS PHASE AND THE PROJECT AS DESCRIBED IN GENERAL PROVISIONS SECTION 80, EXECUTION AND PROGRESS.
4. ANY DAMAGE TO PAVEMENT OR PAVEMENT MARKINGS ON RUNWAYS, TAXIWAYS, BLAST PADS, OR SHOULDER AREAS ADJACENT TO THE WORK AREA SHALL BE REPAIRED BY THE CONTRACTOR IN AN APPROVED MANNER AT THE CONTRACTOR'S SOLE EXPENSE.

CONSTRUCTION PHASING NOTES:

1. LOW PROFILE BARRICADES, PER DETAIL 1, SHEET C11.1
2. INSTALL VERTICAL PANEL BARRICADES, PER DETAIL 2, SHEET C11.1
3. TEMPORARY YELLOW CENTERLINE MARKING, SEE DETAIL SHEET C2.8
4. LOW PROFILE BARRICADES INSTALLED BY OTHERS
5. PORTABLE LIGHTED"X" RUNWAY CLOSURE MARKER INSTALLED AND MAINTAINED BY OTHERS. LOCATION OF LIGHTED "X" SHALL BE COORDINATED BETWEEN BOTH PROJECTS.

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ARIZONA811
Arizona Blue Stake, Inc.
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NO.	REVISION	DATE	BY

FIRM'S NAME

Kimley»Horn
KIMLEY-HORN AND ASSOCIATES, INC.
2046 Riverview Auto Dr, SUITE 400
Mesa, Arizona 85210 (480) 207-2666

FIRM'S SEAL

SCALE
Horiz. VARIES
Vert. N/A

Date 11/26/2025
Designed by JMM
Drawn by LB
Checked by NCW
Approved by JMM

Mesa Gateway Airport
MESA GATEWAY AIRPORT AUTHORITY
5835 SOUTH SOSSAMAN ROAD
MESA, ARIZONA 85212
(480) 988-7600
GATEWAYAIRPORT.COM

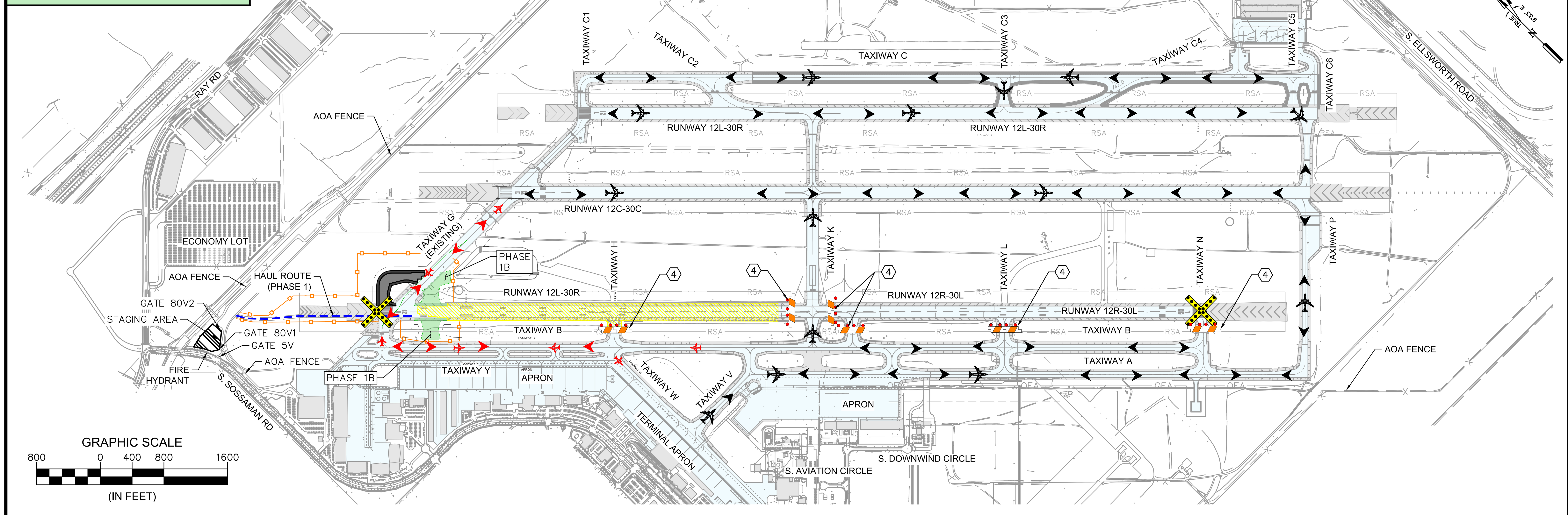
PROJECT NAME
MESA GATEWAY AIRPORT
TAXIWAY G REALIGNMENT

CONSTRUCTION PHASING PLAN
PHASE 1A

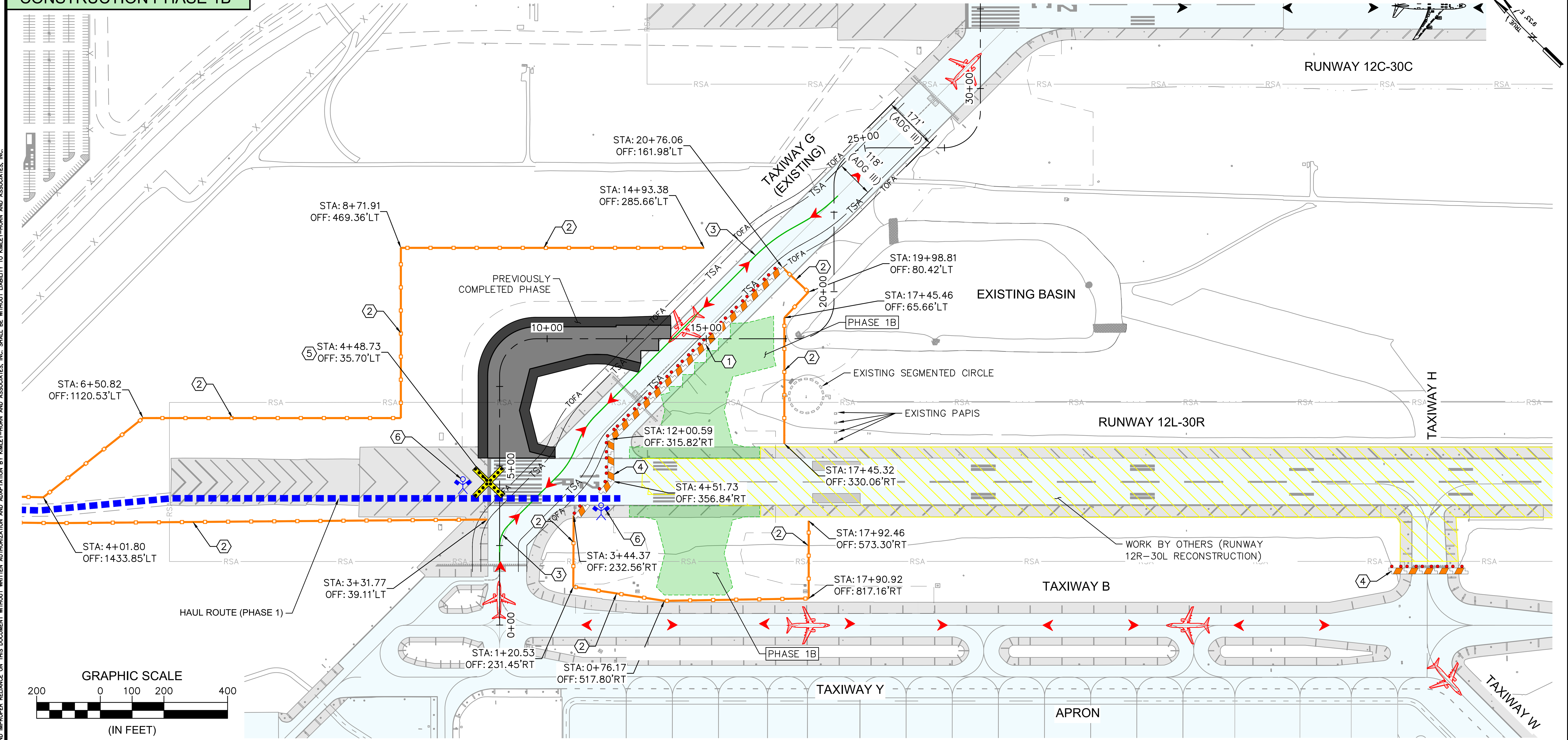
PROJECT NO. 091134073
FILE NO. 091134073 - CS01.2

C2.2

CONSTRUCTION PHASE 1B



CONSTRUCTION PHASE 1B



CONSTRUCTION DURATION TABLE	
PHASE 1B	
TOTAL	

LEGEND

- PHASE 1A PROJECT AREA
- PHASE 1B PROJECT AREA
- PHASE 1C PROJECT AREA
- PHASE 1D PROJECT AREA
- PHASE 2A PROJECT AREA
- PHASE 2B PROJECT AREA
- WORK BY OTHERS ("RUNWAY 12R-30L RECONSTRUCTION AREA)
- CONTRACTOR STAGING AND LAYDOWN AREA
- PREVIOUSLY COMPLETED PHASE
- CONSTRUCTION HAUL ROUTE
- ADG V AIRCRAFT OPERATIONS (B747-400)
- ADG III AIRCRAFT OPERATIONS (B737-800)
- PAVEMENT OPEN TO AIRCRAFT OPERATIONS
- LOW PROFILE BARRICADES, PER DETAIL 1, SHEET C11.1
- INSTALL VERTICAL PANEL BARRICADES, PER DETAIL 2, SHEET C11.1
- PORTABLE LIGHTED "X" RUNWAY CLOSURE, PER DETAIL 3, SHEET C11.1
- FLAGGER (TO BE SUPPLIED BY CONTRACTOR)

GENERAL NOTES:

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3. THE CONTRACTOR SHALL MEET ALL THE MILESTONES OUTLINED FOR THIS PHASE AND THE PROJECT AS DESCRIBED IN GENERAL PROVISIONS SECTION 80, EXECUTION AND PROGRESS.
4. ANY DAMAGE TO PAVEMENT OR PAVEMENT MARKINGS ON RUNWAYS, TAXIWAYS, BLAST PADS, OR SHOULDER AREAS ADJACENT TO THE WORK AREA SHALL BE REPAIRED BY THE CONTRACTOR IN AN APPROVED MANNER AT THE CONTRACTOR'S SOLE EXPENSE.

CONSTRUCTION PHASING NOTES:

1. LOW PROFILE BARRICADES, PER DETAIL 1, SHEET C11.1
2. INSTALL VERTICAL PANEL BARRICADES, PER DETAIL 2, SHEET C11.1
3. TEMPORARY YELLOW CENTERLINE MARKING, SEE DETAIL SHEET C2.8
4. LOW PROFILE BARRICADES INSTALLED BY OTHERS
5. PORTABLE LIGHTED"X" RUNWAY CLOSURE MARKER INSTALLED AND MAINTAINED BY OTHERS. LOCATION OF LIGHTED "X" SHALL BE COORDINATED BETWEEN BOTH PROJECTS.
6. FLAGGER (TO BE SUPPLIED BY CONTRACTOR)

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NO.	REVISION	DATE	BY

FIRM'S NAME

Kimley»Horn

KIMLEY-HORN AND ASSOCIATES, INC.
2048 Riverview Auto Dr., SUITE 400
Mesa, Arizona 85210 (480) 207-2666

FIRM'S SEAL

SCALE Horiz.	VARIES
Vert.	N/A
Date	11/26/2025
Designed by	JMM
Drawn by	JMM
Checked by	NCW
Approved by	JMM

Mesa Gateway Airport

MESA GATEWAY AIRPORT AUTHORITY
5835 SOUTH SOSSAMAN ROAD
MESA, ARIZONA 85212
(480) 988-7600
GATEWAYAIRPORT.COM

PROJECT NAME

MESA GATEWAY AIRPORT
TAXIWAY G REALIGNMENT

CONSTRUCTION PHASING PLAN
PHASE 1B

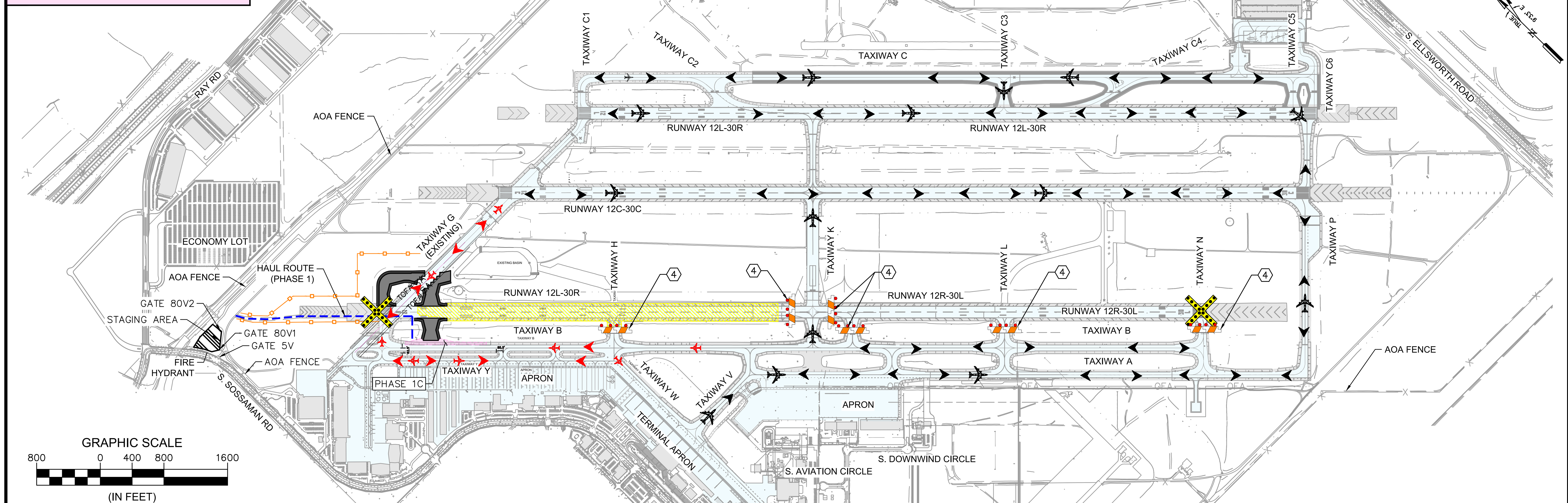
PROJECT NO. 091134073

FILE NO. 091134073 - CS02

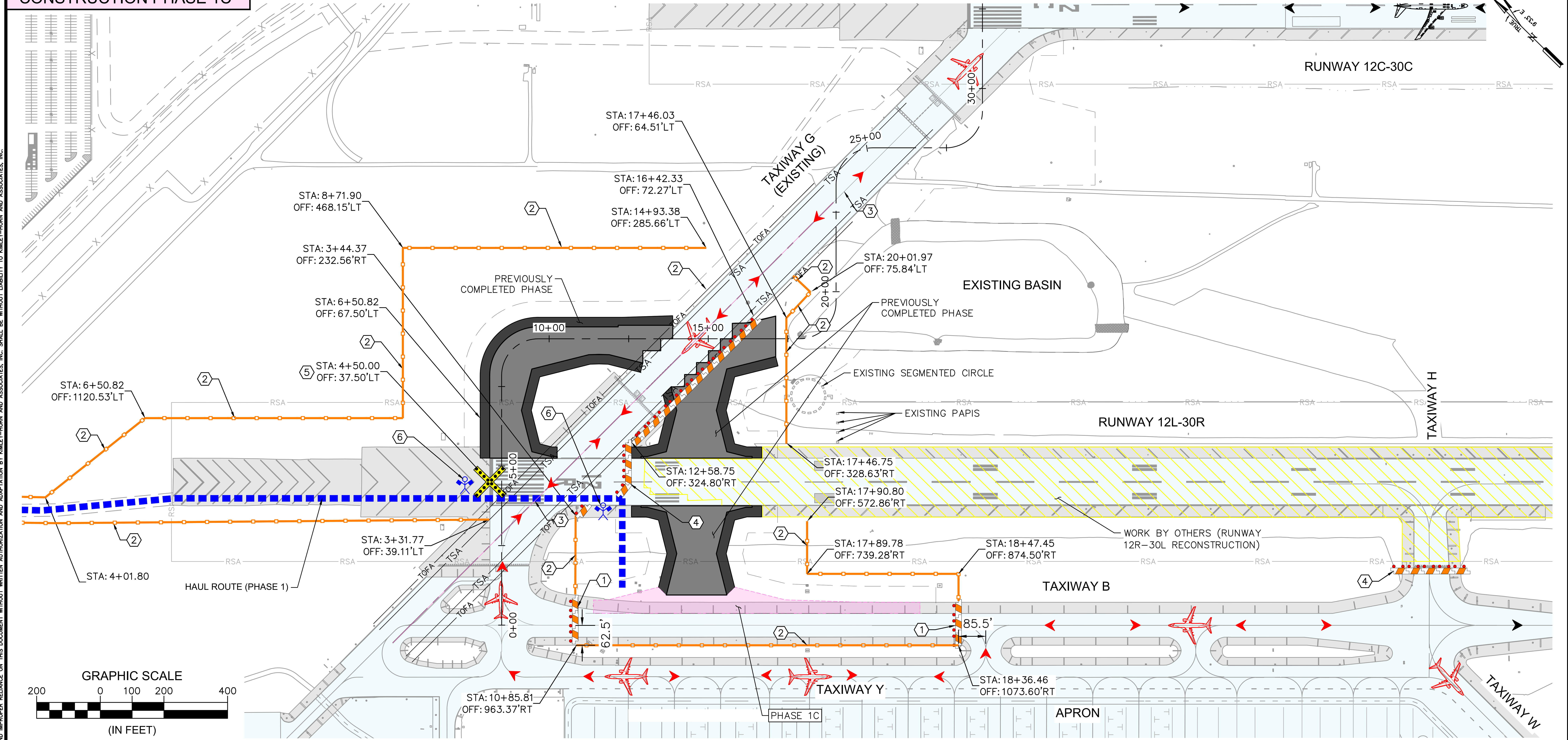
C2.3

SHEET 9 of 153

CONSTRUCTION PHASE 1C



CONSTRUCTION PHASE 1C



CONSTRUCTION DURATION TABLE

PHASE 1C	
TOTAL	

LEGEND

- PHASE 1A PROJECT AREA
- PHASE 1B PROJECT AREA
- PHASE 1C PROJECT AREA
- PHASE 1D PROJECT AREA
- PHASE 2A PROJECT AREA
- PHASE 2B PROJECT AREA
- WORK BY OTHERS ("RUNWAY 12R-30L RECONSTRUCTION AREA)
- CONTRACTOR STAGING AND LAYDOWN AREA
- PREVIOUSLY COMPLETED PHASE
- CONSTRUCTION HAUL ROUTE
- ADG V AIRCRAFT OPERATIONS (B747-400)
- ADG III AIRCRAFT OPERATIONS (B737-800)
- PAVEMENT OPEN TO AIRCRAFT OPERATIONS
- LOW PROFILE BARRICADES, PER DETAIL 1, SHEET #####
- INSTALL VERTICAL PANEL BARRICADES, PER DETAIL 2, SHEET #####
- PORTABLE LIGHTED "X" RUNWAY CLOSURE, PER DETAIL 3, SHEET C11.1
- FLAGGER (TO BE SUPPLIED BY CONTRACTOR)

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CONSTRUCTION PHASING NOTES:

1. LOW PROFILE BARRICADES, PER DETAIL 1, SHEET C11.1
2. INSTALL VERTICAL PANEL BARRICADES, PER DETAIL 2, SHEET C11.1
3. TEMPORARY YELLOW CENTERLINE MARKING, SEE DETAIL SHEET C2.8
4. LOW PROFILE BARRICADES INSTALLED BY OTHERS
5. PORTABLE LIGHTED"X" RUNWAY CLOSURE MARKER INSTALLED AND MAINTAINED BY OTHERS. LOCATION OF LIGHTED "X" SHALL BE COORDINATED BETWEEN BOTH PROJECTS.
6. FLAGGER (TO BE SUPPLIED BY CONTRACTOR)

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NO.	REVISION	DATE	BY

FIRM'S NAME: Kimley»Horn
KIMLEY-HORN AND ASSOCIATES, INC.
2046 Riverview Auto Dr., SUITE 400
Mesa, Arizona 85210 (480) 207-2666

FIRM'S SEAL

SCALE Horiz. VARIES Vert. N/A
Date 11/26/2025
Designed by JMM
Drawn by LB
Checked by NCW
Approved by JMM

Mesa Gateway Airport
MESA GATEWAY AIRPORT AUTHORITY
5835 SOUTH SOSSAMAN ROAD
MESA, ARIZONA 85212
(480) 988-7600
GATEWAYAIRPORT.COM

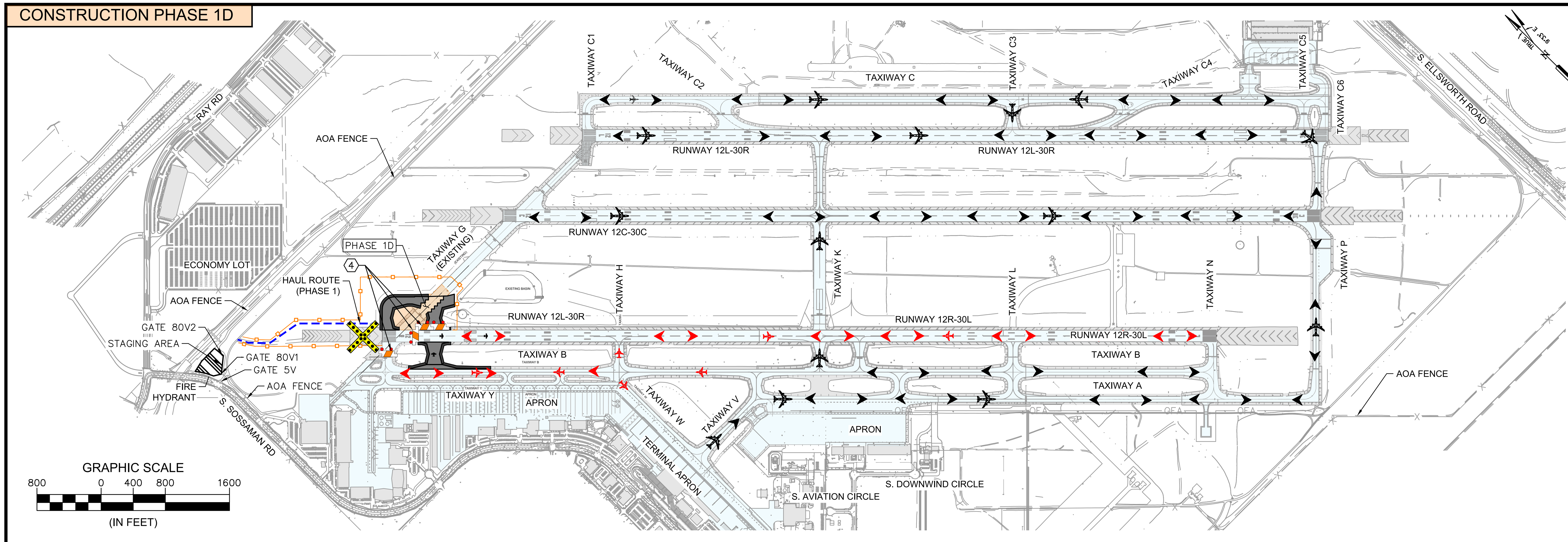
PROJECT NAME: MESA GATEWAY AIRPORT TAXIWAY G REALIGNMENT

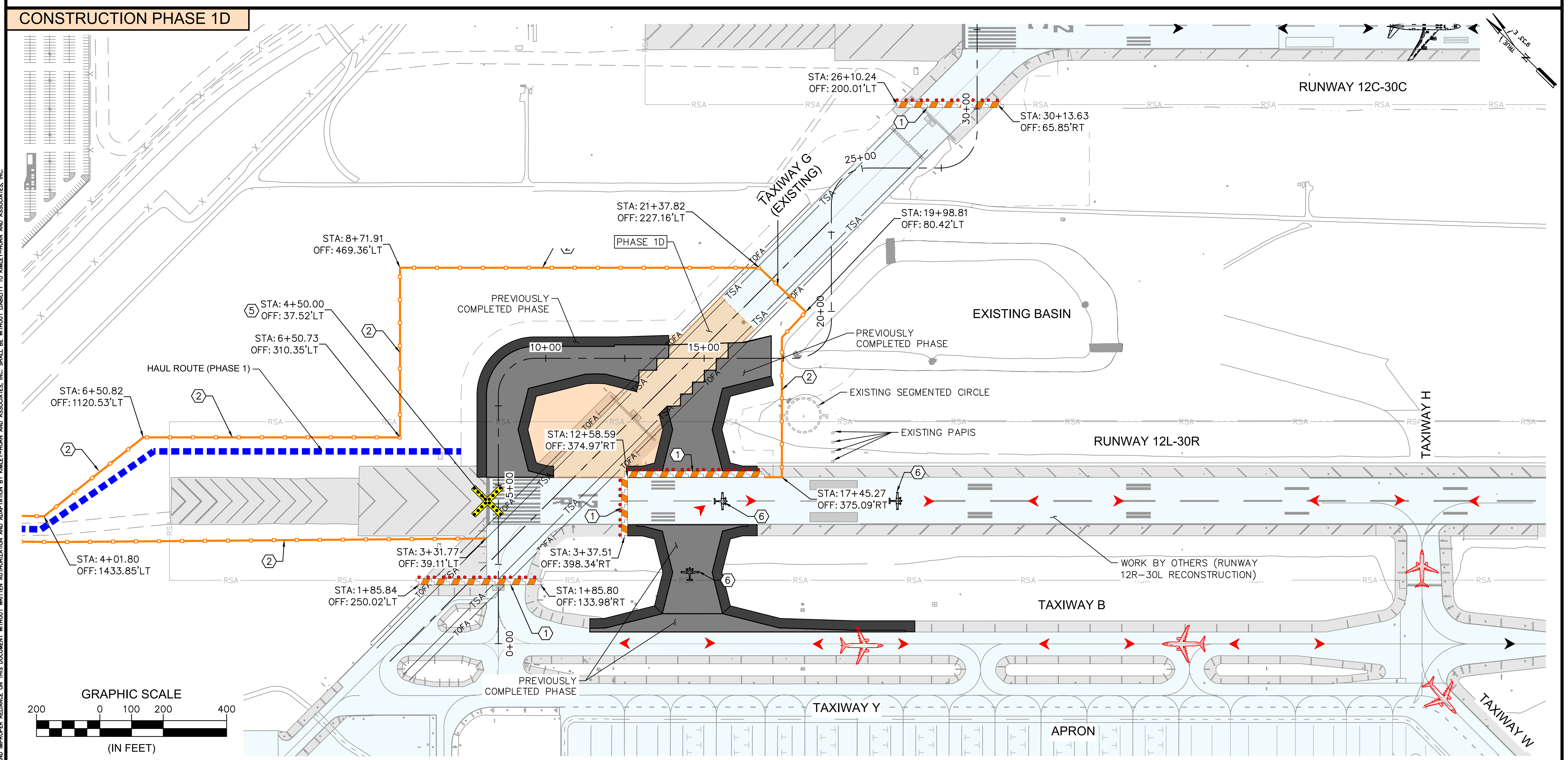
CONSTRUCTION PHASING PLAN PHASE 1C

PROJECT NO. 091134073
FILE NO. 091134073 - CS03

C2.4

SHEET 10 of 153





CONSTRUCTION DURATION TABLE

PHASE 1D	
TOTAL	

LEGEND

- PHASE 1A PROJECT AREA
- PHASE 1B PROJECT AREA
- PHASE 1C PROJECT AREA
- PHASE 1D PROJECT AREA
- PHASE 2A PROJECT AREA
- PHASE 2B PROJECT AREA
- WORK BY OTHERS ("RUNWAY 12R-30L RECONSTRUCTION AREA)
- CONTRACTOR STAGING AND LAYDOWN AREA
- PREVIOUSLY COMPLETED PHASE
- CONSTRUCTION HAUL ROUTE
- ADG V AIRCRAFT OPERATIONS (B747-400)
- ADG III AIRCRAFT OPERATIONS (B737-800)
- PAVEMENT OPEN TO AIRCRAFT OPERATIONS
- LOW PROFILE BARRICADES, PER DETAIL 1, SHEET #####
- INSTALL VERTICAL PANEL BARRICADES, PER DETAIL 2, SHEET #####
- PORTABLE LIGHTED "X" RUNWAY CLOSURE, PER DETAIL 3, SHEET C11.1
- FLAGGER (TO BE SUPPLIED BY CONTRACTOR)

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4. ANY DAMAGE TO PAVEMENT OR PAVEMENT MARKINGS ON RUNWAYS, TAXIWAYS, BLAST PADS, OR SHOULDER AREAS ADJACENT TO THE WORK AREA SHALL BE REPAIRED BY THE CONTRACTOR IN AN APPROVED MANNER AT THE CONTRACTOR'S SOLE EXPENSE.

CONSTRUCTION PHASING NOTES:

1. LOW PROFILE BARRICADES, PER DETAIL 1, SHEET C11.1
2. INSTALL VERTICAL PANEL BARRICADES, PER DETAIL 2, SHEET C11.1
3. TEMPORARY YELLOW CENTERLINE MARKING, SEE DETAIL SHEET C2.8
4. LOW PROFILE BARRICADES INSTALLED BY OTHERS
5. PORTABLE LIGHTED"X" RUNWAY CLOSURE MARKER INSTALLED AND MAINTAINED BY OTHERS. LOCATION OF LIGHTED "X" SHALL BE COORDINATED BETWEEN BOTH PROJECTS.
6. AIRCRAFT OPERATIONS SHALL BE RESTRICTED TO ADG II NON JET POWERED DEPARTURES ONLY

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ARIZONA811
Arizona Blue Stake, Inc.
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NO.	REVISION	DATE	BY

FIRM'S NAME
Kimley»Horn
KIMLEY-HORN AND ASSOCIATES, INC.
2346 Riverview Auto Dr, SUITE 400
Mesa, Arizona 85210 (480) 207-2666

FIRM'S SEAL

SCALE	
Horiz.	VARIES
Vert.	N/A
Date	11/26/2025
Designed by	JMM
Drawn by	LB
Checked by	NCW
Approved by	JMM

Mesa Gateway Airport
MESA GATEWAY AIRPORT AUTHORITY
5835 SOUTH SOSSAMAN ROAD
MESA, ARIZONA 85212
(480) 988-7600
GATEWAYAIRPORT.COM

PROJECT NAME
MESA GATEWAY AIRPORT
TAXIWAY G REALIGNMENT

CONSTRUCTION PHASING PLAN
PHASE 1D

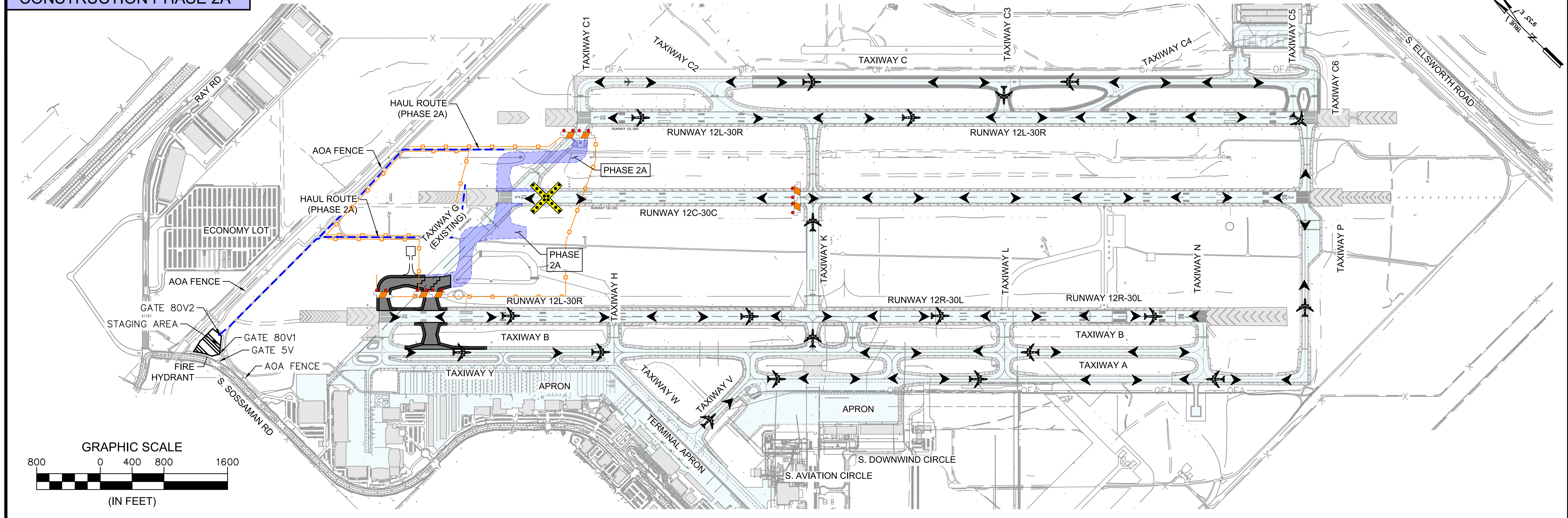
PROJECT NO. 091134073
FILE NO. 091134073 - CS04

C2.5

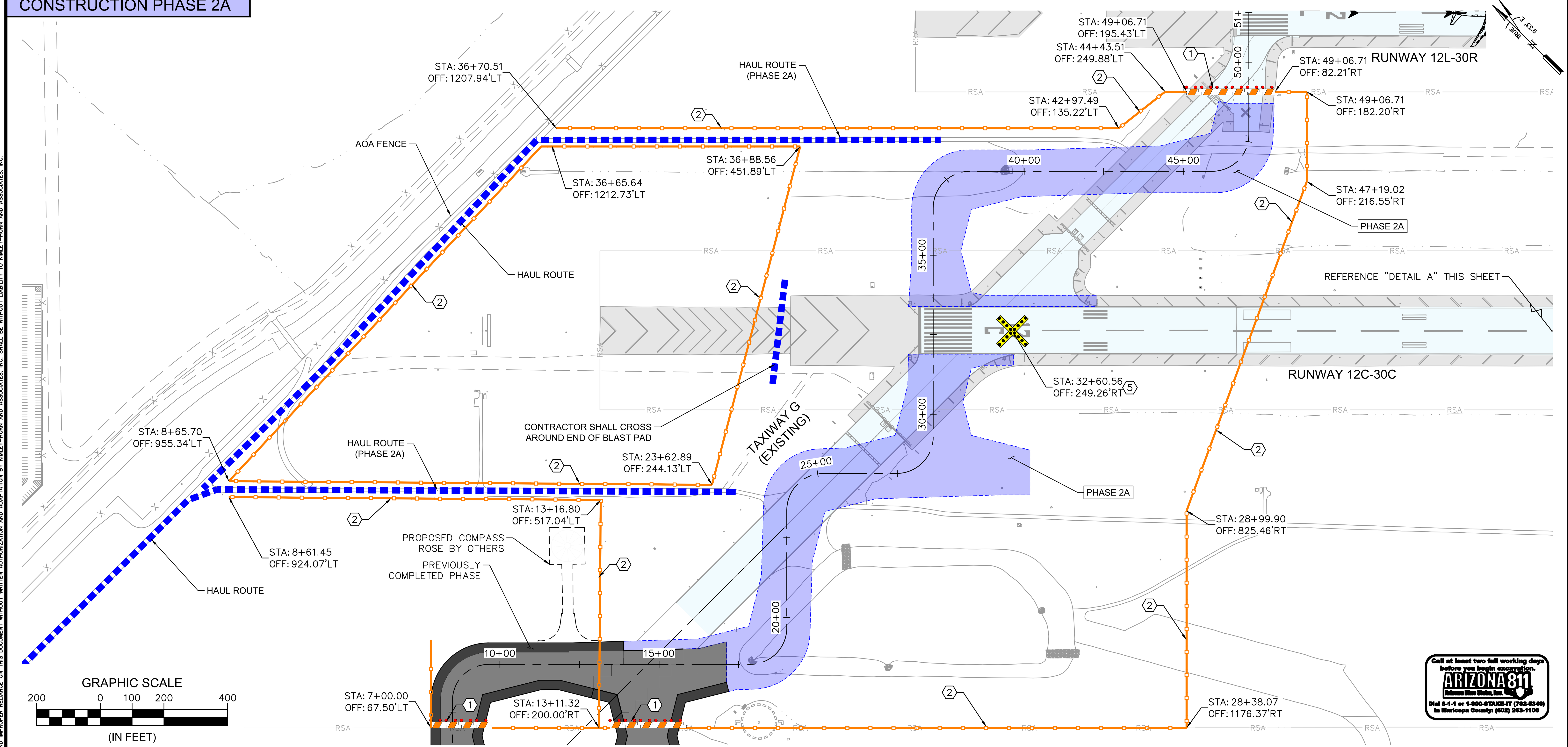
SHEET 11 of 153

K:\eov_aviation\091134073 - taxiway g realignment\CADD\091134073 - CS04.dwg Nov 26, 2025 Emma.Gatzke

CONSTRUCTION PHASE 2A



CONSTRUCTION PHASE 2A



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In Maricopa County: (602) 263-1100

CONSTRUCTION DURATION TABLE

PHASE 2A	XX DAYS
TOTAL	XX DAYS

LEGEND

- PHASE 1A PROJECT AREA
- PHASE 1B PROJECT AREA
- PHASE 1C PROJECT AREA
- PHASE 1D PROJECT AREA
- PHASE 2A PROJECT AREA
- PHASE 2B PROJECT AREA
- WORK BY OTHERS ("RUNWAY 12R-30L RECONSTRUCTION AREA)
- CONTRACTOR STAGING AND LAYDOWN AREA
- PREVIOUSLY COMPLETED PHASE
- CONSTRUCTION HAUL ROUTE
- ADG V AIRCRAFT OPERATIONS (B747-400)
- ADG III AIRCRAFT OPERATIONS (B737-800)
- PAVEMENT OPEN TO AIRCRAFT OPERATIONS
- LOW PROFILE BARRICADES, PER DETAIL 1, SHEET #####
- INSTALL VERTICAL PANEL BARRICADES, PER DETAIL 2, SHEET #####
- PORTABLE LIGHTED "X" RUNWAY CLOSURE, PER DETAIL 3, SHEET C11.1
- FLAGGER (TO BE SUPPLIED BY CONTRACTOR)

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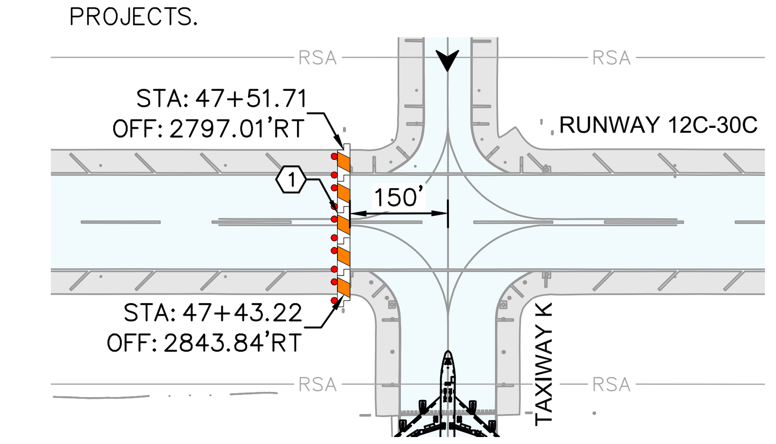
CONSTRUCTION PHASING NOTES:

1. LOW PROFILE BARRICADES, PER DETAIL 1, SHEET C11.1
2. INSTALL VERTICAL PANEL BARRICADES, PER DETAIL 2, SHEET C11.1
3. TEMPORARY YELLOW CENTERLINE MARKING, SEE DETAIL SHEET C2.8
4. LOW PROFILE BARRICADES INSTALLED BY OTHERS
5. PORTABLE LIGHTED "X" RUNWAY CLOSURE MARKER INSTALLED AND MAINTAINED BY OTHERS. LOCATION OF LIGHTED "X" SHALL BE COORDINATED BETWEEN BOTH PROJECTS.



DETAIL A
1" = 250'

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NO.	REVISION	DATE	BY

FIRM'S NAME

Kimley»Horn
KIMLEY-HORN AND ASSOCIATES, INC.
2046 Riverview Auto Dr., SUITE 400
Mesa, Arizona 85210 (480) 207-2666

FIRM'S SEAL

SCALE
Horiz. VARIES
Vert. N/A

Date 11/26/2025
Designed by JMM
Drawn by LB
Checked by NCW
Approved by JMM

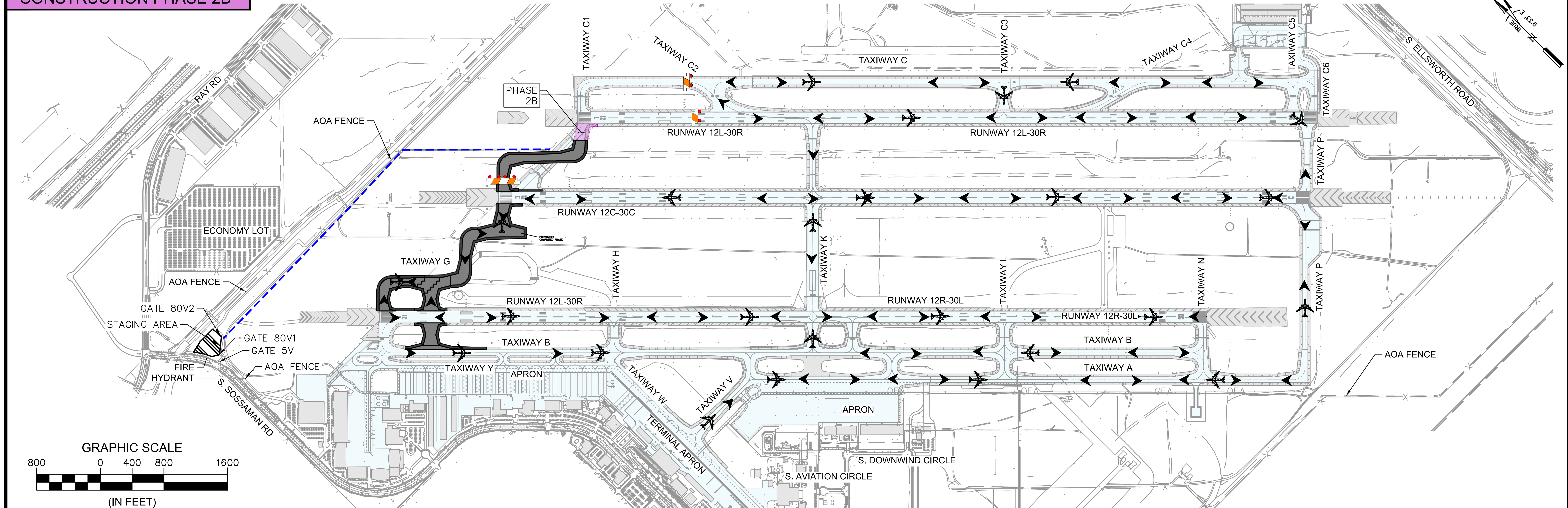
Mesa Gateway Airport
MESA GATEWAY AIRPORT AUTHORITY
5835 SOUTH SOSSAMAN ROAD
MESA, ARIZONA 85212
(480) 988-7600
GATEWAYAIRPORT.COM

PROJECT NAME
MESA GATEWAY AIRPORT
TAXIWAY G REALIGNMENT
CONSTRUCTION PHASING PLAN
PHASE 2A

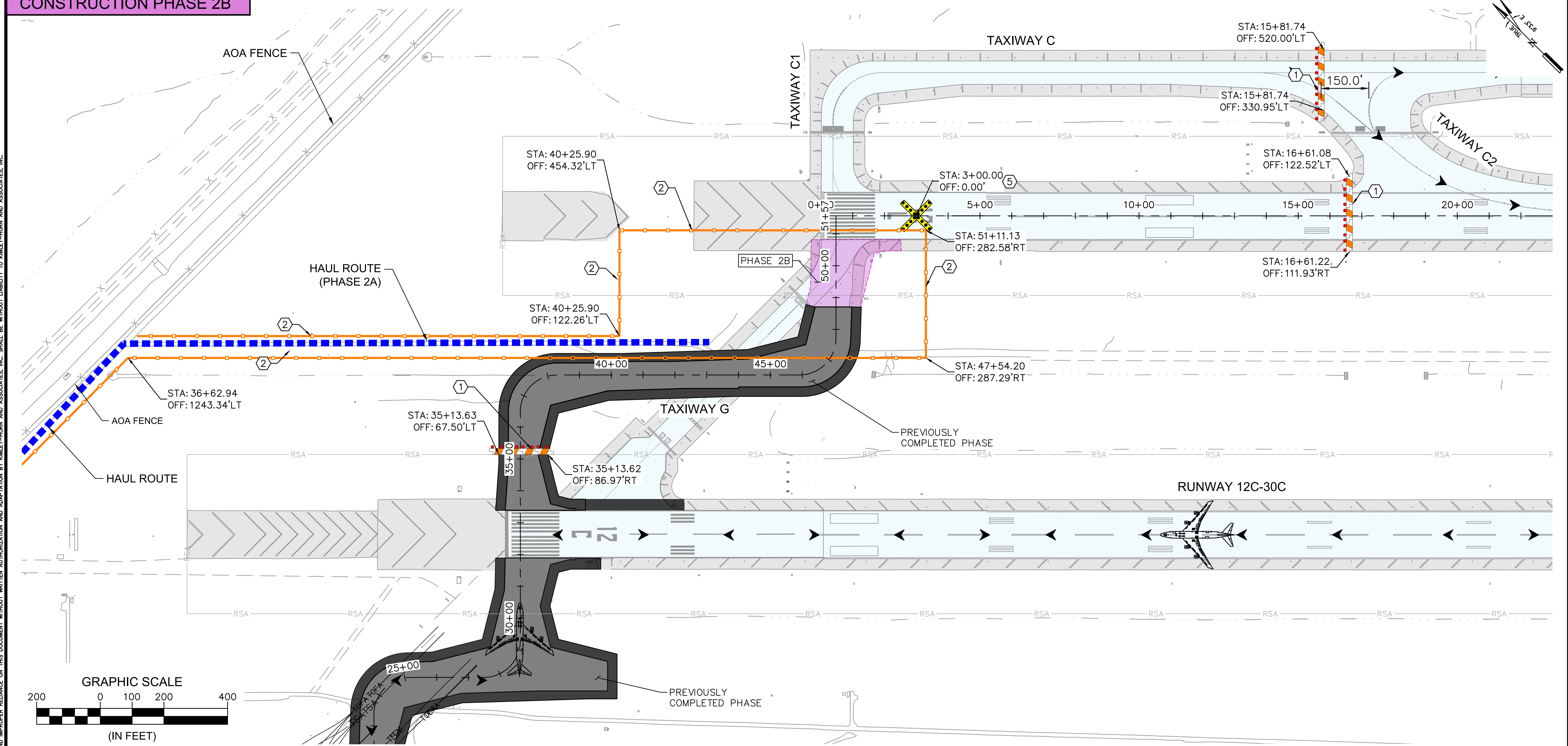
PROJECT NO. 091134073
FILE NO. 091134073 - CS05

C2.6

CONSTRUCTION PHASE 2B



CONSTRUCTION PHASE 2B



CONSTRUCTION DURATION TABLE

PHASE 2B	XX DAYS
TOTAL	XX DAYS

LEGEND

- PHASE 1A PROJECT AREA
- PHASE 1B PROJECT AREA
- PHASE 1C PROJECT AREA
- PHASE 1D PROJECT AREA
- PHASE 2A PROJECT AREA
- PHASE 2B PROJECT AREA
- WORK BY OTHERS ("RUNWAY 12R-30L RECONSTRUCTION AREA)
- CONTRACTOR STAGING AND LAYDOWN AREA
- PREVIOUSLY COMPLETED PHASE
- CONSTRUCTION HAUL ROUTE
- ADG V AIRCRAFT OPERATIONS (B747-400)
- ADG III AIRCRAFT OPERATIONS (B737-800)
- PAVEMENT OPEN TO AIRCRAFT OPERATIONS
- LOW PROFILE BARRICADES, PER DETAIL 1, SHEET #####
- INSTALL VERTICAL PANEL BARRICADES, PER DETAIL 2, SHEET #####
- PORTABLE LIGHTED "X" RUNWAY CLOSURE, PER DETAIL 3, SHEET C11.1
- FLAGGER (TO BE SUPPLIED BY CONTRACTOR)

GENERAL NOTES:

1. CONSTRUCTION MAY START ONLY AFTER RECEIVING A NOTICE TO PROCEED (NTP) FROM THE AIRPORT.
2. PRIOR TO BEGINNING CONSTRUCTION LOW PROFILE BARRICADES MUST BE INSTALLED AND VERTICAL PANEL BARRICADES MUST BE INSTALLED AROUND THE HAUL ROUTE PER THE LIMITS SHOWN ON THIS PLAN.
3. THE CONTRACTOR SHALL MEET ALL THE MILESTONES OUTLINED FOR THIS PHASE AND THE PROJECT AS DESCRIBED IN GENERAL PROVISIONS SECTION 80, EXECUTION AND PROGRESS.
4. ANY DAMAGE TO PAVEMENT OR PAVEMENT MARKINGS ON RUNWAYS, TAXIWAYS, BLAST PADS, OR SHOULDER AREAS ADJACENT TO THE WORK AREA SHALL BE REPAIRED BY THE CONTRACTOR IN AN APPROVED MANNER AT THE CONTRACTOR'S SOLE EXPENSE.

CONSTRUCTION PHASING NOTES:

1. LOW PROFILE BARRICADES, PER DETAIL 1, SHEET C11.1
2. INSTALL VERTICAL PANEL BARRICADES, PER DETAIL 2, SHEET C11.1
3. TEMPORARY YELLOW CENTERLINE MARKING, SEE DETAIL SHEET C2.8
4. LOW PROFILE BARRICADES INSTALLED BY OTHERS
5. PORTABLE LIGHTED"X" RUNWAY CLOSURE MARKER INSTALLED AND MAINTAINED BY OTHERS. LOCATION OF LIGHTED "X" SHALL BE COORDINATED BETWEEN BOTH PROJECTS.

Call at least two full working days before you begin excavation.
ARIZONA811
Arizona Blue Stake, Inc.
Dial 8-1-1 or 1-800-STAKE-IT (782-5348)
In Maricopa County: (602) 263-1100

PLANS TO BE PRINTED IN COLOR
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NO.	REVISION	BY	DATE

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KIMLEY-HORN AND ASSOCIATES, INC.
2046 Riverview Auto Dr, SUITE 400
Mesa, Arizona 85210 (480) 207-2666

FIRM'S SEAL

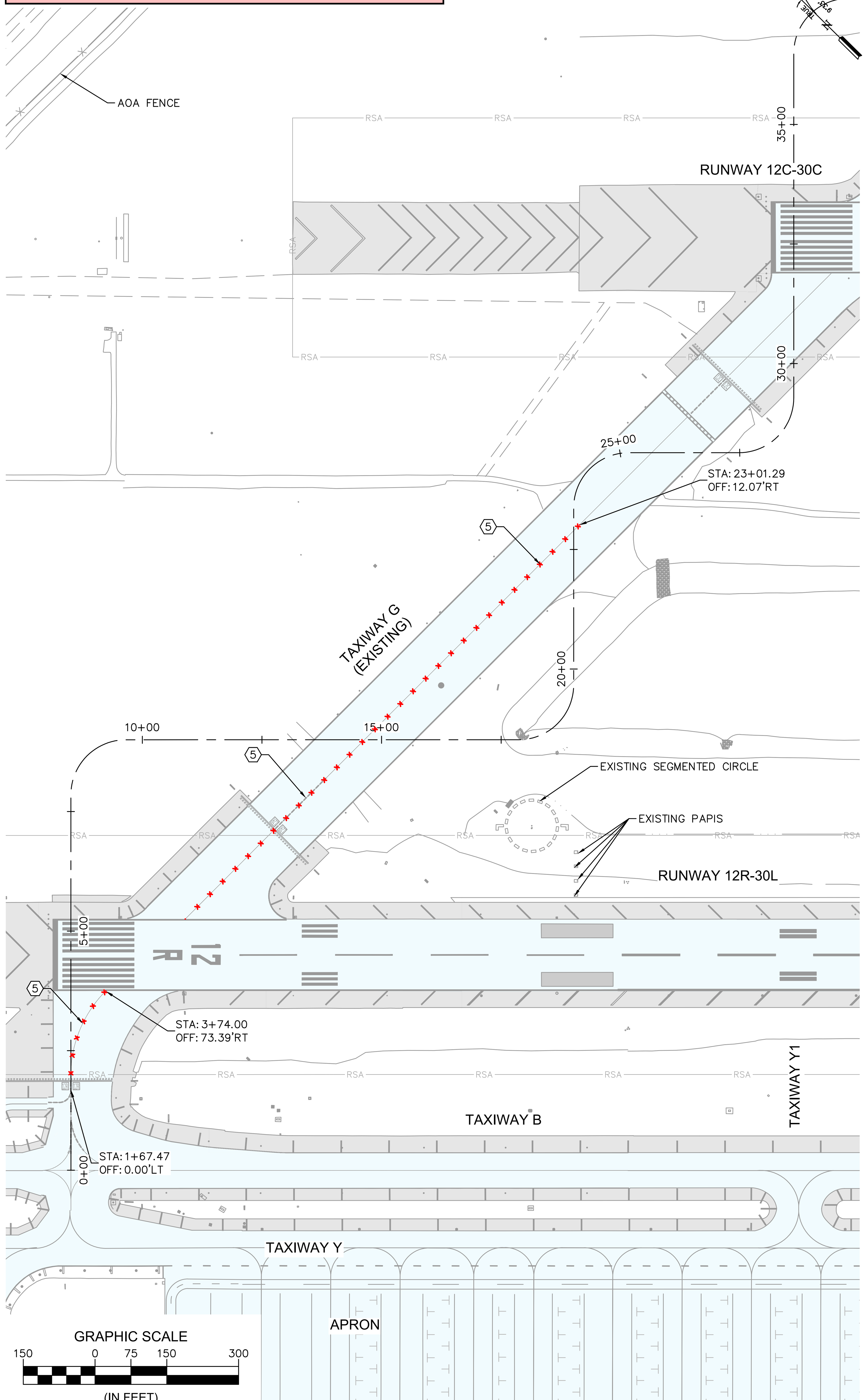
SCALE
Horiz. VARIES
Vert. N/A
Date 11/26/2025
Designed by JMM
Drawn by NCW
Checked by JMM
Approved by JMM

Mesa Gateway Airport
MESA GATEWAY AIRPORT AUTHORITY
5835 SOUTH SOSSAMAN ROAD
MESA, ARIZONA 85212
(480) 988-7600
GATEWAYAIRPORT.COM

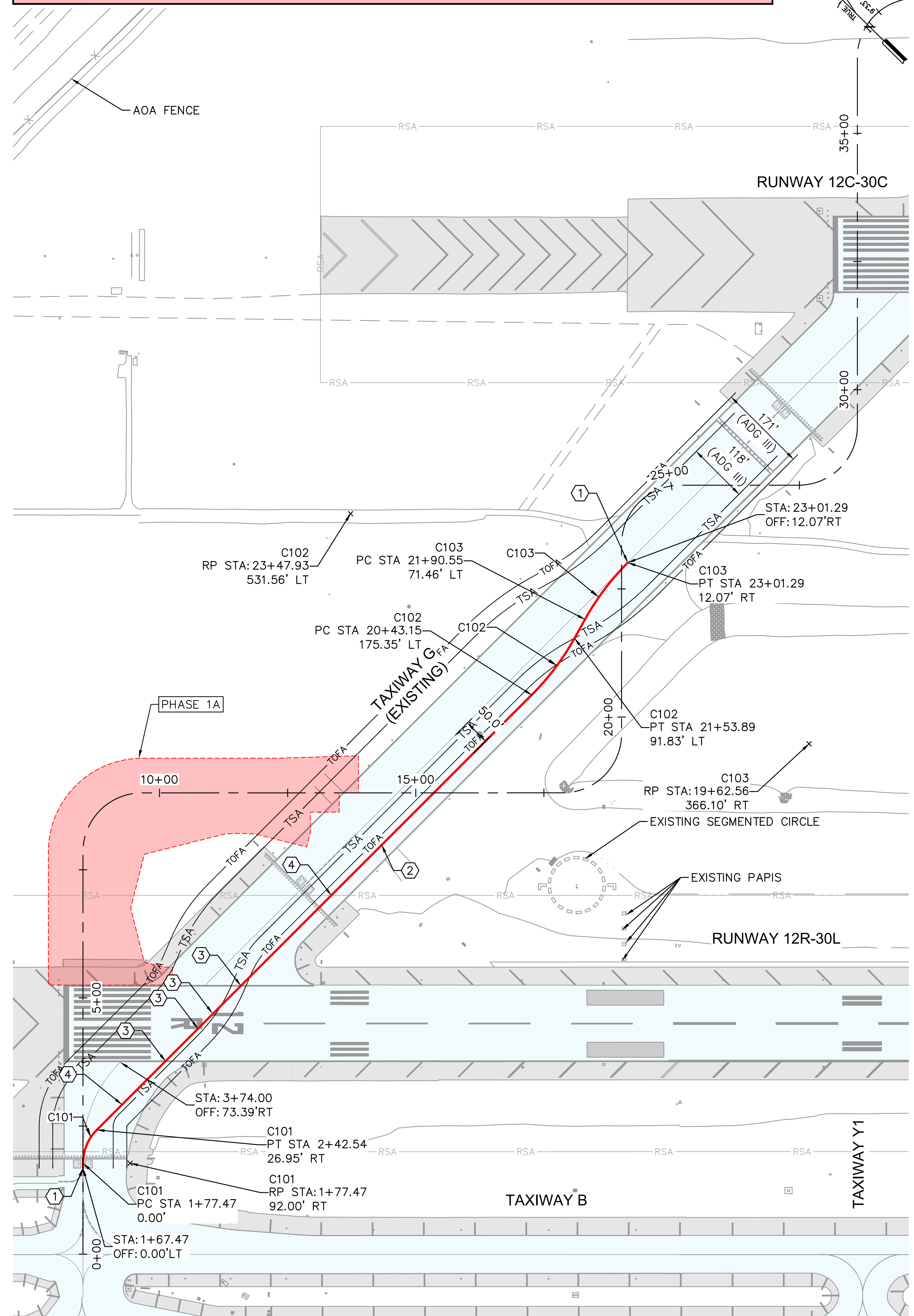
PROJECT NAME
MESA GATEWAY AIRPORT
TAXIWAY G REALIGNMENT
CONSTRUCTION PHASING PLAN
PHASE 2B

PROJECT NO. 091134073
FILE NO. 091134073 - CS06
C2.7

CONSTRUCTION PHASE 1A MARKING REMOVAL



CONSTRUCTION PHASE 1A TEMPORARY CENTERLINE MARKING INSTALLATION



TEMPORARY PHASE 1A CENTERLINE

CURVE TABLE

CURVE	RADIUS	LENGTH	DELTA	TANGENT
C101	92.00'	72.27'	45°00'22"	38.11'
C102	500.00'	139.15'	15°56'43"	70.03'
C103	500.00'	139.15'	15°56'43"	70.03'

LEGEND

- PHASE 1A PROJECT AREA
- PHASE 1B PROJECT AREA
- PHASE 1C PROJECT AREA
- PHASE 1D PROJECT AREA
- PHASE 2A PROJECT AREA
- PHASE 2B PROJECT AREA
- PAVEMENT MARKING REMOVAL/OBLIDERATION
- TEMPORARY TAXIWAY CENTERLINE MARKINGS (PHASE 1A)

GENERAL NOTES:

1. CONSTRUCTION MAY START ONLY AFTER RECEIVING A NOTICE TO PROCEED (NTP) FROM THE AIRPORT.
2. EXISTING MARKINGS TO BE REMOVED SHALL BE REMOVED PRIOR TO BEGINNING INSTALLATION OF TEMPORARY MARKINGS FOR EACH PHASE.
3. FOR PERMANENT PROPOSED MARKINGS, REFER TO THE PAVEMENT MARKING SERIES, C.10.
4. ALL MARKINGS SHALL BE REMOVED OR OBSCURED PER SPECIFICATION P-620.
5. ANY DAMAGE TO PAVEMENT MARKINGS ON RUNWAYS, TAXIWAYS, BLAST PADS, OR SHOULDER AREAS ADJACENT TO THE WORK AREA SHALL BE REPAIRED BY THE CONTRACTOR IN AN APPROVED MANNER AT THE CONTRACTOR'S SOLE EXPENSE.

CONSTRUCTION PHASING NOTES:

1. MATCH EXISTING TAXIWAY CENTERLINE
2. TEMPORARY TAXIWAY CENTERLINE PER DETAIL 2 ON SHEET C10.9
3. INTERRUPT TEMPORARY CENTERLINE MARKINGS AT RUNWAY EDGE/NUMERICAL MARKINGS PER DETAIL 2 ON SHEET C10.10
4. INTERRUPT TEMPORARY CENTERLINE MARKING AT RUNWAY HOLD BAR PER DETAIL 6 ON SHEET C10.9
5. REMOVE/OBLITERATE PAVEMENT MARKINGS

Call at least two full working days before you begin excavation. ARIZONA 811 Arizona Blue Stake, Inc. Dial 8-1-1 or 1-800-STAKE-IT (782-5348) In Maricopa County: (602) 263-1100

PLANS TO BE PRINTED IN COLOR

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KIMLEY-HORN AND ASSOCIATES, INC.
2046 Riverview Auto Dr., SUITE 400
Mesa, Arizona 85210 (480) 207-2666

FIRM'S SEAL

SCALE: Horiz. VARIES; Vert. N/A
Date 11/26/2025
Designed by JMM
Drawn by LB
Checked by NCW
Approved by JMM

Mesa Gateway Airport
MESA GATEWAY AIRPORT AUTHORITY
5835 SOUTH SOSSAMAN ROAD
MESA, ARIZONA 85212
(480) 988-7600
GATEWAYAIRPORT.COM

PROJECT NAME
MESA GATEWAY AIRPORT
TAXIWAY G REALIGNMENT
CONSTRUCTION PHASING DETAILS
PHASE 1A

PROJECT NO. 091134073
FILE NO. 091134073 - CSZ01

C2.8

SHEET 14 of 153

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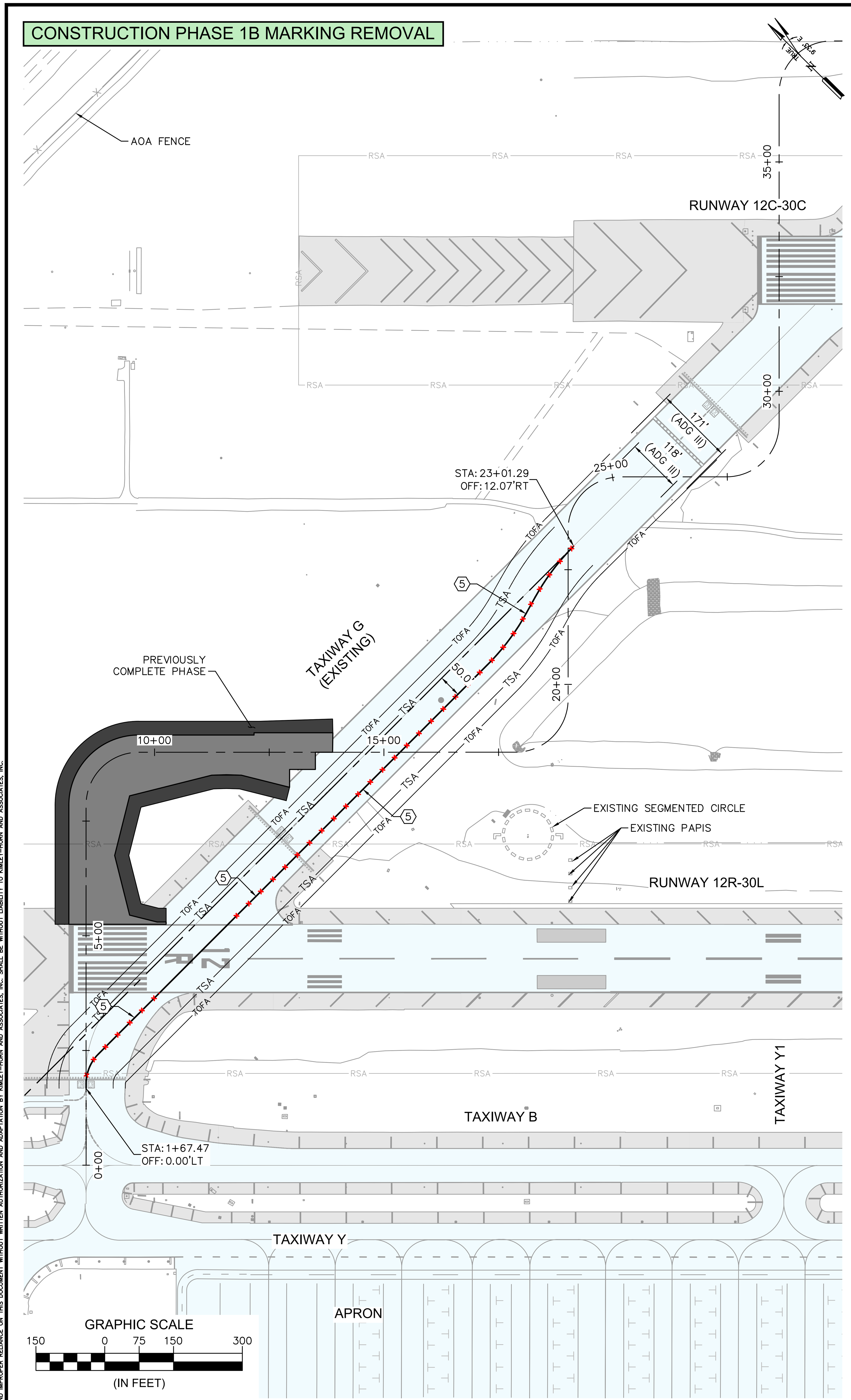

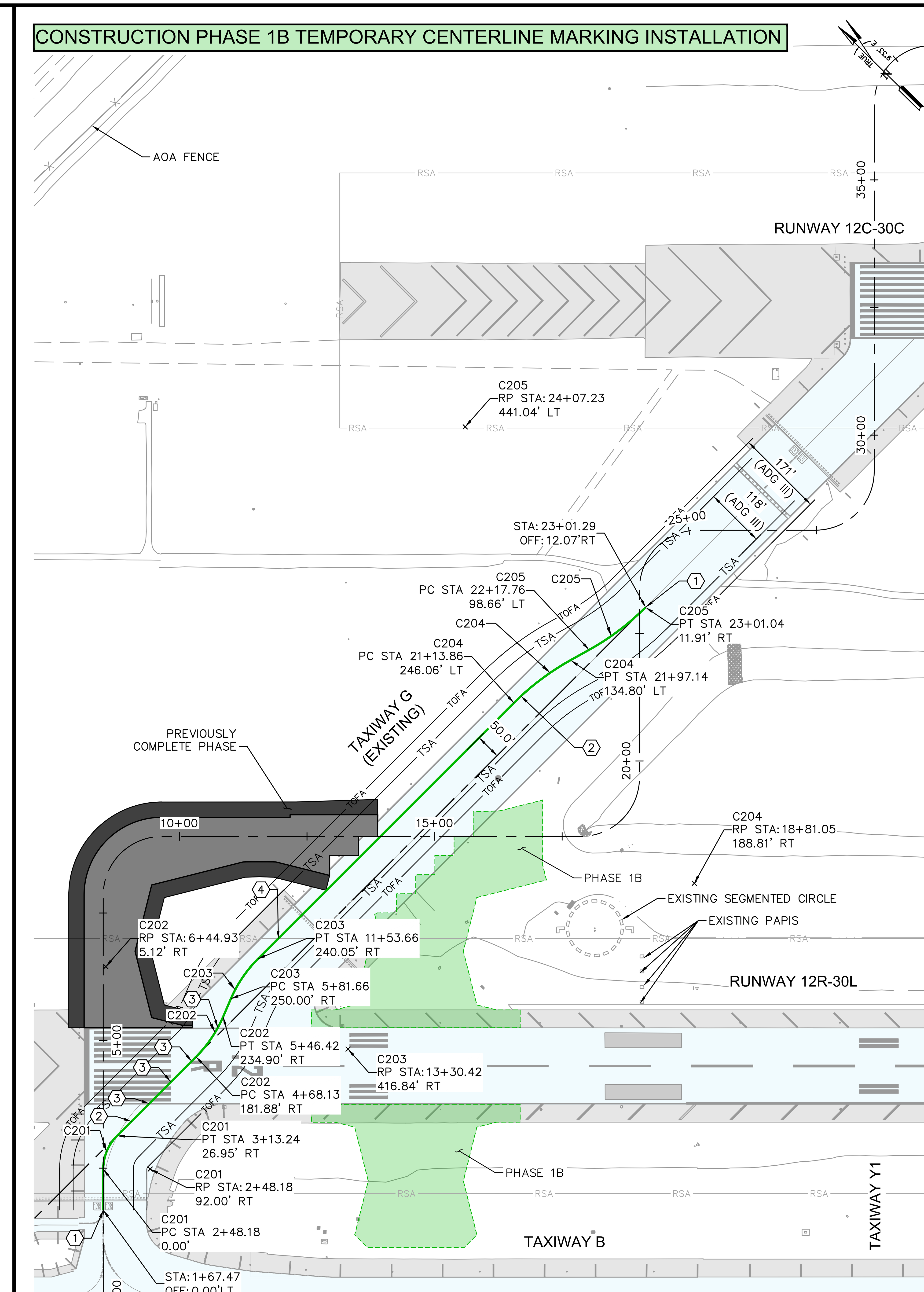

TEMPORARY PHASE 1B CENTERLINE CURVE TABLE				
CURVE	RADIUS	LENGTH	DELTA	TANGENT
C201	92.00'	72.27'	45°00'22"	38.11'
C202	250.00'	95.13'	21°48'05"	48.15'
C203	250.00'	95.13'	21°48'05"	48.15'
C204	500.00'	139.15'	15°56'43"	70.03'
C205	500.00'	139.15'	15°56'43"	70.03'

LEGEND

- PHASE 1A PROJECT AREA
- PHASE 1B PROJECT AREA
- PHASE 1C PROJECT AREA
- PHASE 1D PROJECT AREA
- PHASE 2A PROJECT AREA
- PHASE 2B PROJECT AREA
- PAVEMENT MARKING REMOVAL/OBLIDERATION
- TEMPORARY TAXIWAY CENTERLINE MARKINGS (PHASE 1B)

GENERAL NOTES:

1. CONSTRUCTION MAY START ONLY AFTER RECEIVING A NOTICE TO PROCEED (NTP) FROM THE AIRPORT.
2. EXISTING MARKINGS TO BE REMOVED SHALL BE REMOVED PRIOR TO BEGINNING INSTALLATION OF TEMPORARY MARKINGS FOR EACH PHASE.
3. FOR PERMANENT PROPOSED MARKINGS, REFER TO THE PAVEMENT MARKING SERIES, C.10.
4. ALL MARKINGS SHALL BE REMOVED OR OBSCURED PER SPECIFICATION P-620.
5. ANY DAMAGE TO PAVEMENT MARKINGS ON RUNWAYS, TAXIWAYS, BLAST PADS, OR SHOULDER AREAS ADJACENT TO THE WORK AREA SHALL BE REPAIRED BY THE CONTRACTOR IN AN APPROVED MANNER AT THE CONTRACTOR'S SOLE EXPENSE.

CONSTRUCTION PHASING NOTES:

1. MATCH EXISTING TAXIWAY CENTERLINE
2. TEMPORARY TAXIWAY CENTERLINE PER DETAIL 2 ON SHEET C10.9
3. INTERRUPT TEMPORARY CENTERLINE MARKINGS AT RUNWAY EDGE/NUMERICAL MARKINGS PER DETAIL 2 ON SHEET C10.10
4. INTERRUPT TEMPORARY CENTERLINE MARKING AT RUNWAY HOLD BAR PER DETAIL 6 ON SHEET C10.9
5. REMOVE/OBLITERATE PAVEMENT MARKINGS

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ARIZONA811
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KIMLEY-HORN AND ASSOCIATES, INC.
2046 Riverview Auto Dr, SUITE 400
Mesa, Arizona 85210 (480) 207-2666

FIRM'S SEAL

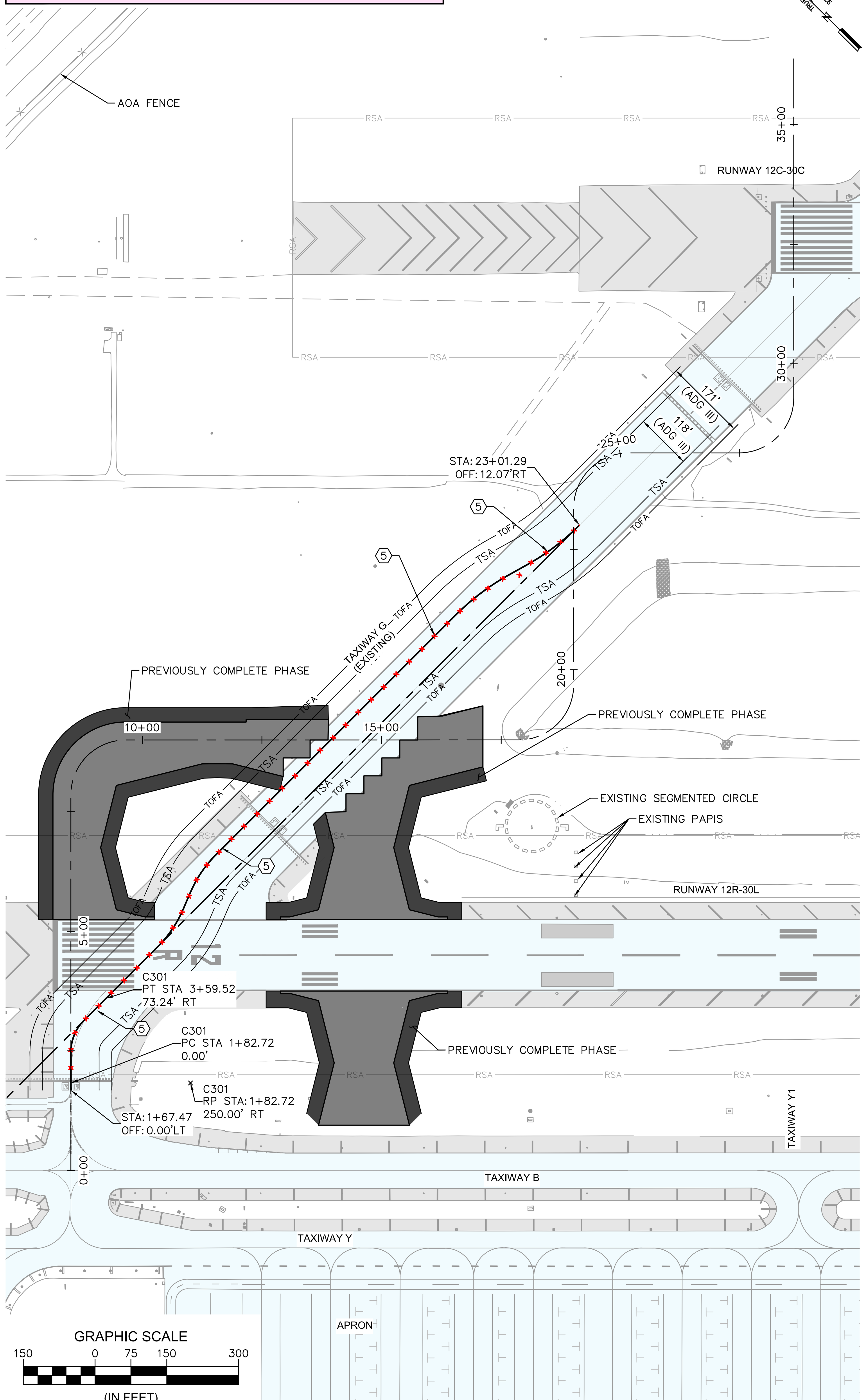
SCALE
Horiz. VARIES
Vert. N/A
Date 11/26/2025
Designed by JMM
Drawn by LB
Checked by NCW
Approved by JMM

Mesa Gateway Airport
MESA GATEWAY AIRPORT AUTHORITY
5835 SOUTH SOSSAMAN ROAD
MESA, ARIZONA 85212
(480) 988-7600
GATEWAYAIRPORT.COM

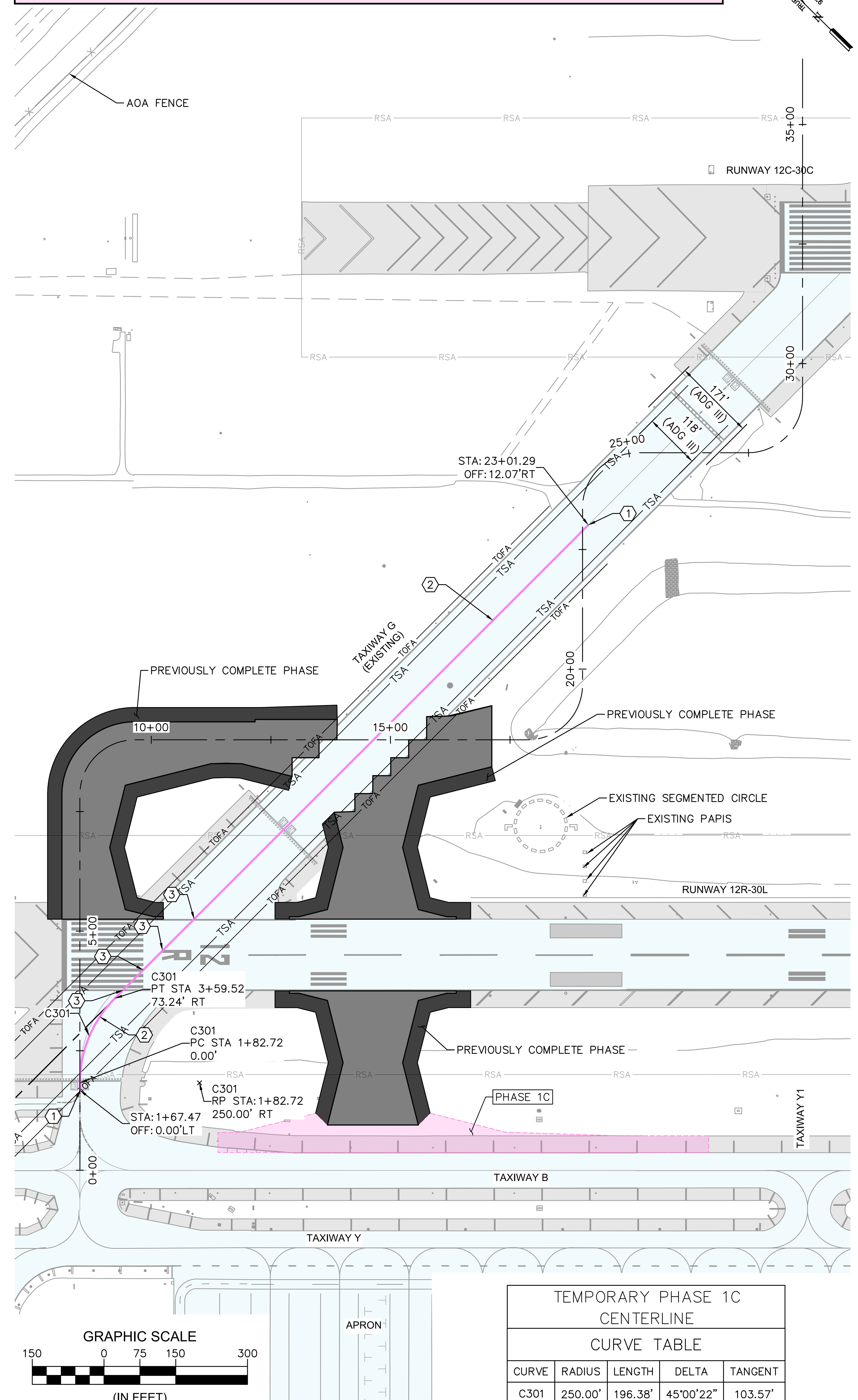
PROJECT NAME
MESA GATEWAY AIRPORT
TAXIWAY G REALIGNMENT
CONSTRUCTION PHASING DETAILS
PHASE 1B

PROJECT NO. 091134073
FILE NO. 091134073 - CSZ02
C2.9
SHEET 15 of 153

CONSTRUCTION PHASE 1C MARKING REMOVAL



CONSTRUCTION PHASE 1C TEMPORARY CENTERLINE MARKING INSTALLATION



TEMPORARY PHASE 1C CENTERLINE CURVE TABLE				
CURVE	RADIUS	LENGTH	DELTA	TANGENT
C301	250.00'	196.38'	45°00'22"	103.57'

LEGEND

- PHASE 1A PROJECT AREA
- PHASE 1B PROJECT AREA
- PHASE 1C PROJECT AREA
- PHASE 1D PROJECT AREA
- PHASE 2A PROJECT AREA
- PHASE 2B PROJECT AREA
- x x x PAVEMENT MARKING REMOVAL/OBLIDERATION
- TEMPORARY TAXIWAY CENTERLINE MARKINGS (PHASE 1C)

GENERAL NOTES:

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CONSTRUCTION PHASING NOTES:

1. MATCH EXISTING TAXIWAY CENTERLINE
2. TEMPORARY TAXIWAY CENTERLINE PER DETAIL 2 ON SHEET C10.9
3. INTERRUPT TEMPORARY CENTERLINE MARKINGS AT RUNWAY EDGE/NUMERICAL MARKINGS PER DETAIL 2 ON SHEET C10.10
4. INTERRUPT TEMPORARY CENTERLINE MARKING AT RUNWAY HOLD BAR PER DETAIL 6 ON SHEET C10.9
5. REMOVE/OBLITERATE PAVEMENT MARKINGS

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KIMLEY-HORN AND ASSOCIATES, INC.
2046 Riverview Auto Dr, SUITE 400
Mesa, Arizona 85210 (480) 207-2666

FIRM'S SEAL

SCALE
Horiz. VARIES
Vert. N/A

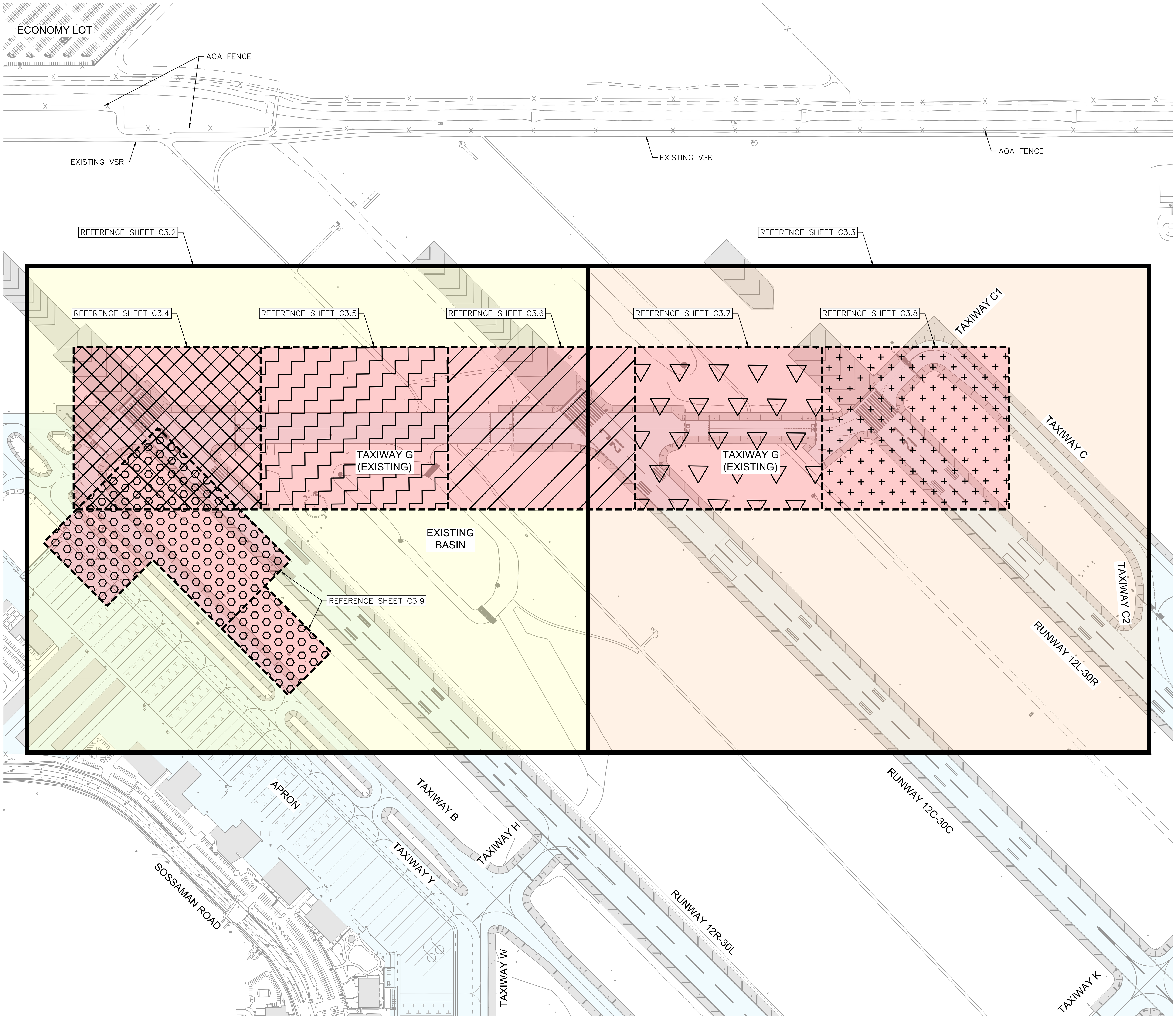
Date 11/26/2025
Designed by JMM
Drawn by LB
Checked by NCW
Approved by JMM

Mesa Gateway Airport
MESA GATEWAY AIRPORT AUTHORITY
5835 SOUTH SOSSAMAN ROAD
MESA, ARIZONA 85212
(480) 988-7600
GATEWAYAIRPORT.COM

PROJECT NAME
MESA GATEWAY AIRPORT
TAXIWAY G REALIGNMENT
CONSTRUCTION PHASING DETAILS
PHASE 1C

PROJECT NO. 091134073
FILE NO. 091134073 - CSZ03

C2.10



GENERAL NOTES:

1. EXISTING UTILITY INFORMATION SHOWN ON THE PLANS CONCERNING THE TYPE, SIZE AND LOCATION WERE COMPILED BASED ON THE BEST AVAILABLE UTILITY RECORDS TO THE ENGINEER. THE CONTRACTOR SHALL PROVIDE A UTILITY LOCATOR AND VERIFY THE ACTUAL LOCATION OF UTILITIES PRIOR TO CONSTRUCTION. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT ALL EXISTING UTILITIES IN PLACE UNLESS NOTED OR SPECIFIED OTHERWISE. ANY DAMAGE TO EXISTING UTILITIES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE. UTILITIES INTERFERING WITH CONSTRUCTION SHALL BE RESET OR RELOCATED BY THE UTILITY COMPANY CONCERNED UNLESS NOTED OTHERWISE.
2. THE ATTEMPT TO IDENTIFY ALL MISCELLANEOUS ELECTRICAL FACILITIES HAS BEEN MADE. IN THE CASE WHERE ANY ELECTRICAL FACILITIES HAVE BEEN OMITTED, THE CONTRACTOR SHALL REMOVE THE ITEMS WITH COST BEING INCIDENTAL.
3. REFER TO C1.4 FOR PROJECT LAYOUT PLAN AND C1.5 FOR HORIZONTAL CONTROL.
4. EXPOSED SUBGRADE AND BASE MATERIAL TO BE KEPT MOIST AND COMPACTED TO MINIMIZE FOD FROM JET BLAST AND SHALL BE TREATED WITH A DUST PALLIATIVE STABILIZER.
5. REFER TO ELECTRICAL DEMOLITION PLANS FOR ELECTRICAL DEMOLITION.

GRAPHIC SCALE

250 0 125 250 500

(IN FEET)

Call at least two full working days before you begin excavation.
ARIZONA 811
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In Maricopa County: (602) 263-1100

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Kimley»Horn

KIMLEY-HORN AND ASSOCIATES, INC.
2046 Riverview Auto Dr, SUITE 400
Mesa, Arizona 85210 (480) 207-2666

FIRM'S SEAL

SCALE
Horiz. 1" = 250'
Vert.

Date 11/26/2025
Designed by JMM
Drawn by JCC
Checked by NCW
Approved by JMM

Mesa Gateway Airport

MESA GATEWAY AIRPORT AUTHORITY
5835 SOUTH SOSSAMMAN ROAD
MESA, ARIZONA 85212
(480) 988-7600
GATEWAYAIRPORT.COM

PROJECT NAME

MESA GATEWAY AIRPORT
TAXIWAY G REALIGNMENT

DEMOLITION KEY MAP

SHEET 1 OF 1

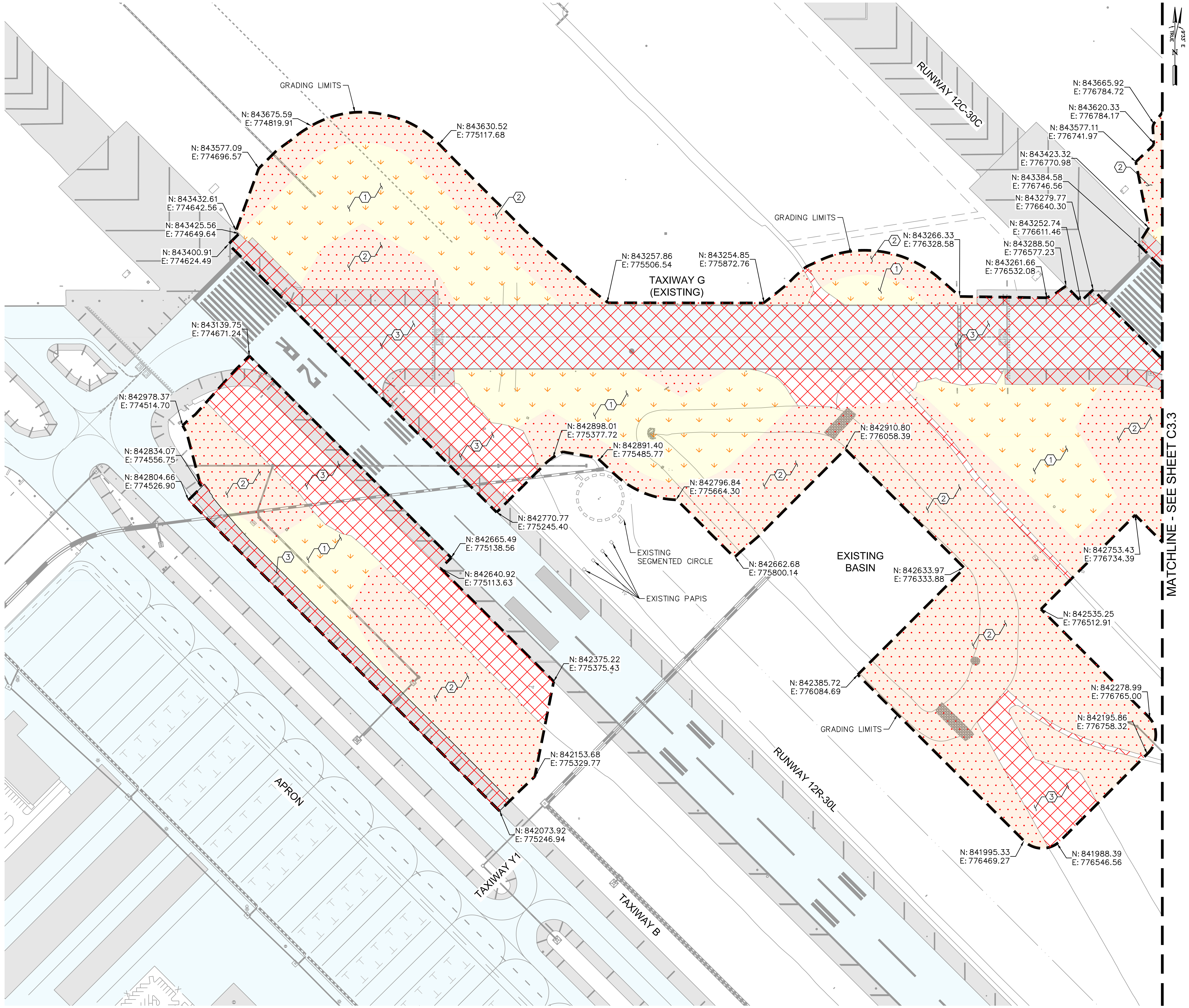
PROJECT NO.
091134073

FILE NO.
091134073 - DM00

C3.1

SHEET 17 of 153

K:\EAV_Aviation\091134073 – Taxiway G Realignment\CADD\091134073 – DM00.dwg Nov 26, 2025 Brad.Nisbet



LEGEND

- REFERENCE SHEETS C3.4 – C3.9 FOR TAXIWAY G DEMOLITION PLANS
- CLEAR AND GRUB AREA
- TRANSITION AREA (DRAINAGE IMPROVEMENTS)
- GRADING LIMITS

GENERAL NOTES:

1. EXISTING UTILITY INFORMATION SHOWN ON THE PLANS CONCERNING THE TYPE, SIZE AND LOCATION WERE COMPILED BASED ON THE BEST AVAILABLE UTILITY RECORDS TO THE ENGINEER. THE CONTRACTOR SHALL PROVIDE A UTILITY LOCATOR AND VERIFY THE ACTUAL LOCATION OF UTILITIES PRIOR TO CONSTRUCTION. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT ALL EXISTING UTILITIES IN PLACE UNLESS NOTED OR SPECIFIED OTHERWISE. ANY DAMAGE TO EXISTING UTILITIES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE. UTILITIES INTERFERING WITH CONSTRUCTION SHALL BE RESET OR RELOCATED BY THE UTILITY COMPANY CONCERNED UNLESS NOTED OTHERWISE.
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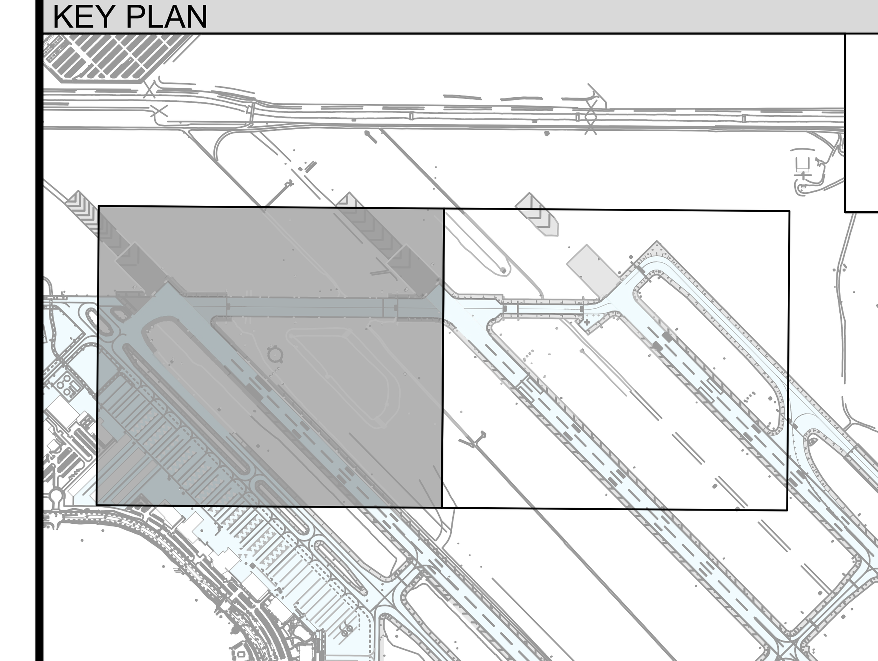
3. REFER TO C1.4 FOR PROJECT LAYOUT PLAN AND C1.5 FOR HORIZONTAL CONTROL.
4. EXPOSED SUBGRADE AND BASE MATERIAL TO BE KEPT MOIST AND COMPACTED TO MINIMIZE FOD FROM JET BLAST AND SHALL BE TREATED WITH A DUST PALLIATIVE STABILIZER.
5. REFER TO ELECTRICAL DEMOLITION PLANS FOR ELECTRICAL DEMOLITION.

CONSTRUCTION NOTES:

1. CLEAR AND GRUB (AREA WITHIN PROPOSED PCC TAXIWAY AND AC SHOULDER LIMITS), REFER TO GEOMETRIC LAYOUT PLANS (C5.1 – C5.8) FOR LIMITS
2. TRANSITION AREA (DRAINAGE IMPROVEMENTS)
3. REFERENCE SHEETS C3.4 – C3.9 FOR TAXIWAY G DEMOLITION PLANS

KEY PLAN



GRAPHIC SCALE
120 0 60 120 240
(IN FEET)

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KIMLEY-HORN AND ASSOCIATES, INC.
2246 Riverview Auto Dr., SUITE 400
Mesa, Arizona 85210 (480) 207-2666

FIRM'S SEAL

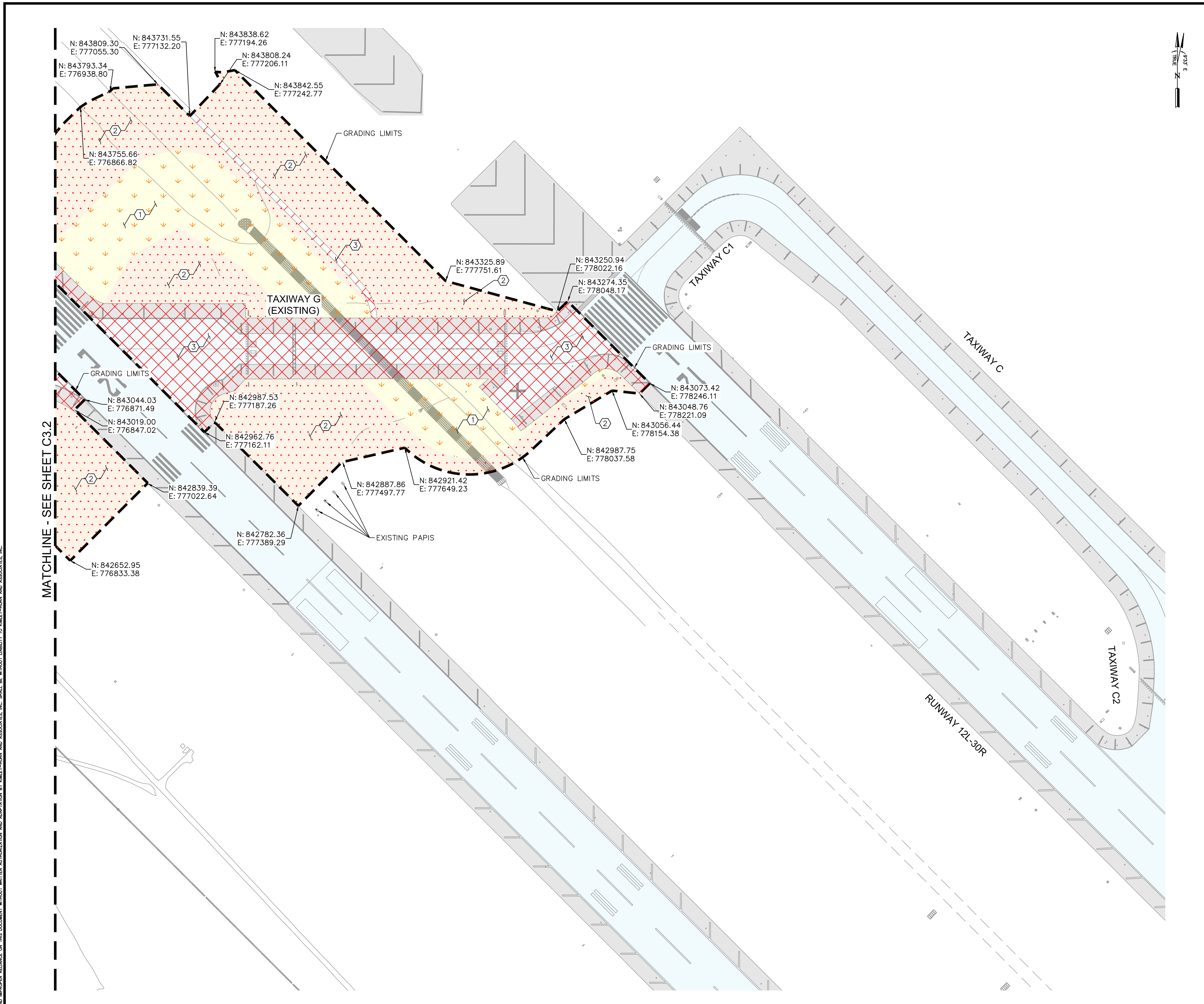
SCALE
Horiz. 1" = 120'
Vert.
Date 11/26/2025
Designed by JMM
Drawn by JCC
Checked by NCW
Approved by JMM

Mesa Gateway Airport
MESA GATEWAY AIRPORT AUTHORITY
5835 SOUTH SOSSAMAN ROAD
MESA, ARIZONA 85212
(480) 988-7600
GATEWAYAIRPORT.COM

PROJECT NAME
MESA GATEWAY AIRPORT
TAXIWAY G REALIGNMENT

OVERALL DEMOLITION PLAN
SHEET 1 OF 2

PROJECT NO. 091134073
FILE NO. 091134073 - DM01
C3.2
SHEET 18 of 153



LEGEND

- REFERENCE SHEETS C3.4 – C3.9 FOR TAXIWAY G DEMOLITION PLANS
- CLEAR AND GRUB AREA
- TRANSITION AREA (DRAINAGE IMPROVEMENTS)
- GRADING LIMITS

GENERAL NOTES:

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3. REFER TO C1.4 FOR PROJECT LAYOUT PLAN AND C1.5 FOR HORIZONTAL CONTROL.
4. EXPOSED SUBGRADE AND BASE MATERIAL TO BE KEPT MOIST AND COMPACTED TO MINIMIZE FOD FROM JET BLAST AND SHALL BE TREATED WITH A DUST PALLIATIVE STABILIZER.
5. REFER TO ELECTRICAL DEMOLITION PLANS FOR ELECTRICAL DEMOLITION.

CONSTRUCTION NOTES:

1. CLEAR AND GRUB (AREA WITHIN PROPOSED PCC TAXIWAY AND AC SHOULDER LIMITS), REFER TO GEOMETRIC LAYOUT PLANS (C5.1 – C5.8) FOR LIMITS
2. TRANSITION AREA (DRAINAGE IMPROVEMENTS)
3. REFERENCE SHEETS C3.4 – C3.9 FOR TAXIWAY G DEMOLITION PLANS

KEY PLAN

GRAPHIC SCALE
120 0 60 120 240
(IN FEET)

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ARIZONA 811
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PLANS TO BE PRINTED IN COLOR
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NO.	REVISION	DATE	BY

FIRM'S NAME
Kimley»Horn
KIMLEY-HORN AND ASSOCIATES, INC.
2246 Riverview Auto Dr., SUITE 400
Mesa, Arizona 85210 (480) 207-2666

FIRM'S SEAL

SCALE Horiz.	1" = 120'
Vert.	
Date	11/26/2025
Designed by	JMM
Drawn by	JCC
Checked by	NCW
Approved by	JMM

Mesa Gateway Airport
MESA GATEWAY AIRPORT AUTHORITY
5835 SOUTH SOSSAMAN ROAD
MESA, ARIZONA 85212
(480) 988-7600
GATEWAYAIRPORT.COM

PROJECT NAME
MESA GATEWAY AIRPORT
TAXIWAY G REALIGNMENT

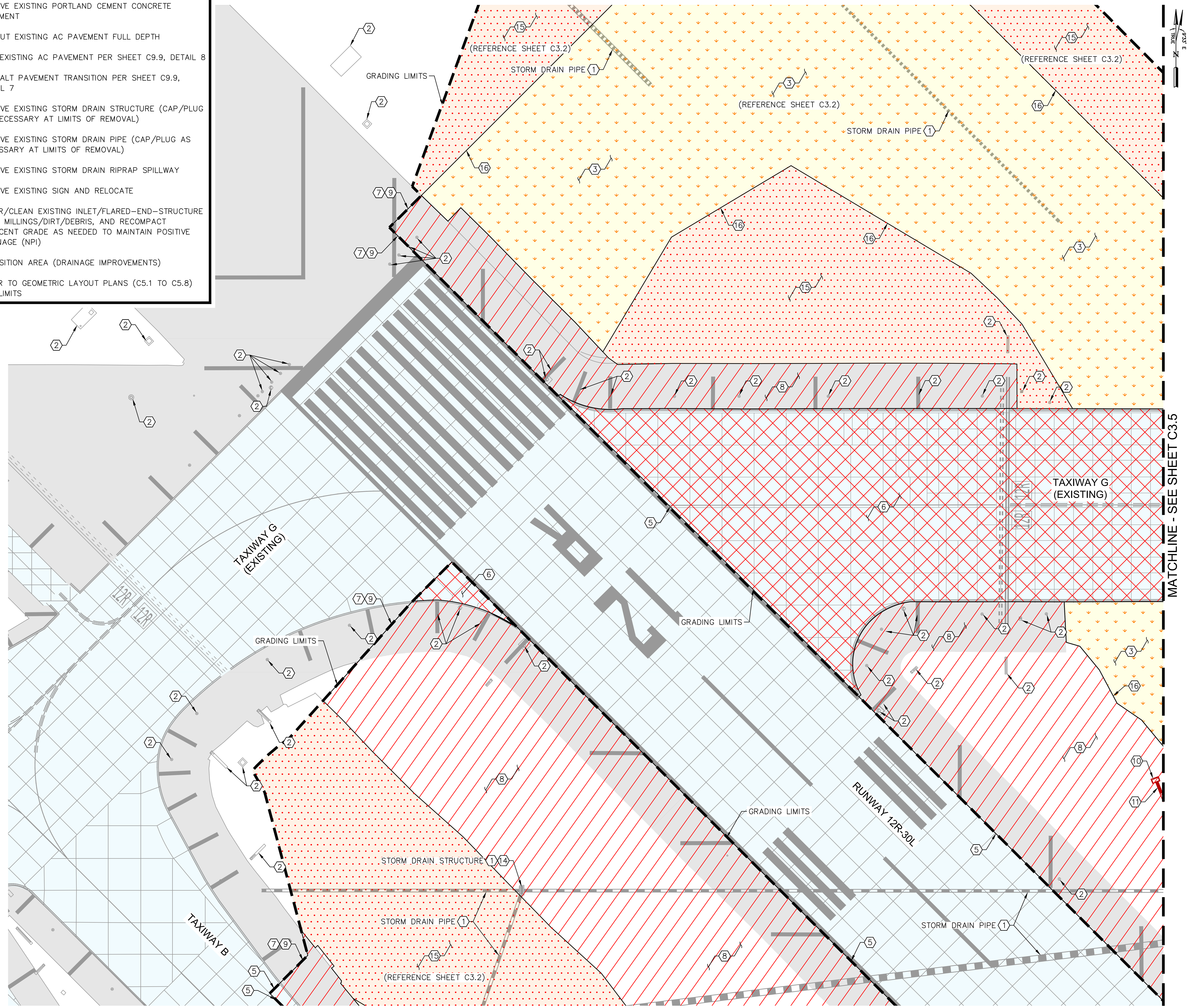
OVERALL DEMOLITION PLAN
SHEET 2 OF 2

PROJECT NO. 091134073
FILE NO. 091134073 - DM01
C3.3
SHEET 19 of 153

K:\EAV_Aviation\091134073 - Taxiway G Realignment\CADD\091134073 - DM01.dwg Nov 26, 2025 Brad.Nisbet

CONSTRUCTION NOTES (CONTINUED):

6. REMOVE EXISTING PORTLAND CEMENT CONCRETE PAVEMENT
7. SAWCUT EXISTING AC PAVEMENT FULL DEPTH
8. MILL EXISTING AC PAVEMENT PER SHEET C9.9, DETAIL 8
9. ASPHALT PAVEMENT TRANSITION PER SHEET C9.9, DETAIL 7
10. REMOVE EXISTING STORM DRAIN STRUCTURE (CAP/PLUG AS NECESSARY AT LIMITS OF REMOVAL)
11. REMOVE EXISTING STORM DRAIN PIPE (CAP/PLUG AS NECESSARY AT LIMITS OF REMOVAL)
12. REMOVE EXISTING STORM DRAIN RIPRAP SPILLWAY
13. REMOVE EXISTING SIGN AND RELOCATE
14. CLEAR/CLEAN EXISTING INLET/FLARED-END-STRUCTURE FROM MILLINGS/DIRT/DEBRIS, AND RECOMPACT ADJACENT GRADE AS NEEDED TO MAINTAIN POSITIVE DRAINAGE (NPI)
15. TRANSITION AREA (DRAINAGE IMPROVEMENTS)
16. REFER TO GEOMETRIC LAYOUT PLANS (C5.1 TO C5.8) FOR LIMITS



LEGEND

- REMOVE EXISTING PORTLAND CEMENT CONCRETE PAVEMENT SECTION (FULL DEPTH)
- REMOVE EXISTING AC PAVEMENT SECTION (FULL DEPTH)
- TRANSITION AREA (DRAINAGE IMPROVEMENTS)
- CLEAR AND GRUB AREA
- REMOVE/OBLITERATE EXISTING PAVEMENT MARKING
- GRADING LIMITS
- REMOVE EXISTING STORM DRAIN PIPE
- REMOVE EXISTING STORM DRAIN INLET
- REMOVE EXISTING STORM DRAIN HEADWALL
- REMOVE EXISTING STORM DRAIN OUTLET STRUCTURE

GENERAL NOTES:

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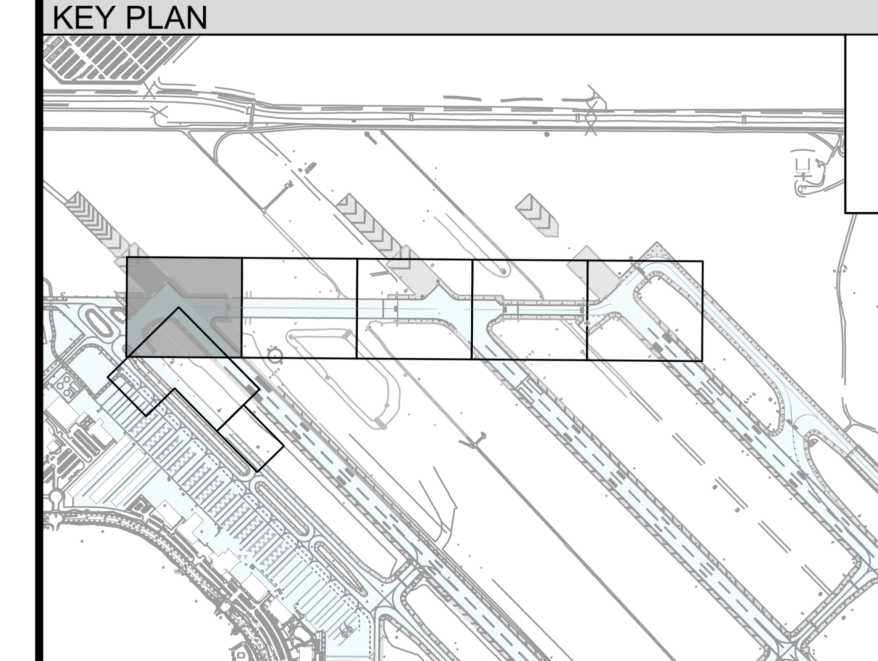
3. REFER TO C1.4 FOR PROJECT LAYOUT PLAN AND C1.5 FOR HORIZONTAL CONTROL.
4. EXPOSED SUBGRADE AND BASE MATERIAL TO BE KEPT MOIST AND COMPACTED TO MINIMIZE FOD FROM JET BLAST AND SHALL BE TREATED WITH A DUST PALLIATIVE STABILIZER.
5. REFER TO ELECTRICAL DEMOLITION PLANS FOR ELECTRICAL DEMOLITION.

CONSTRUCTION NOTES:

1. PROTECT IN PLACE
2. REFER TO ELECTRICAL PLANS
3. CLEAR AND GRUB (AREA WITHIN PROPOSED PCC TAXIWAY AND AC SHOULDER LIMITS)
4. OBLITERATE EXISTING PAVEMENT MARKINGS (PROTECT EXISTING JOINTS)
5. SAWCUT EXISTING PCC PAVEMENT FULL DEPTH

KEY PLAN



GRAPHIC SCALE

40 0 20 40 80

(IN FEET)

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FIRM'S SEAL

SCALE: Horiz. 1" = 40' Vert. ____

Date 11/26/2025
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PROJECT NAME

MESA GATEWAY AIRPORT
TAXIWAY G REALIGNMENT

DEMOLITION PLAN
SHEET 1 OF 6

PROJECT NO. 091134073
FILE NO. 091134073 - DM02

C3.4

CONSTRUCTION NOTES (CONTINUED):

6. REMOVE EXISTING PORTLAND CEMENT CONCRETE PAVEMENT
7. SAWCUT EXISTING AC PAVEMENT FULL DEPTH
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9. ASPHALT PAVEMENT TRANSITION PER SHEET C9.9, DETAIL 7
10. REMOVE EXISTING STORM DRAIN STRUCTURE (CAP/PLUG AS NECESSARY AT LIMITS OF REMOVAL)
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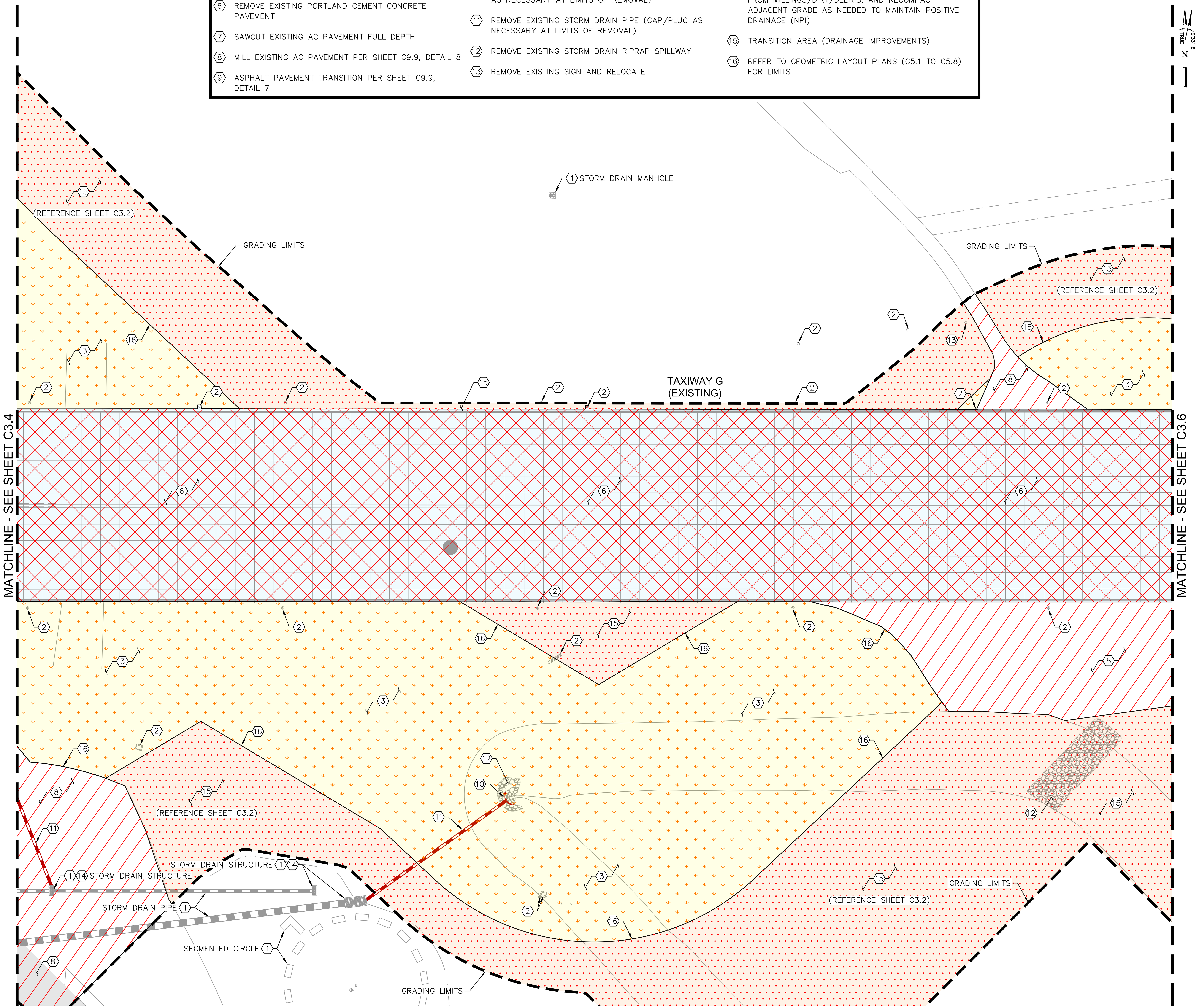
15. TRANSITION AREA (DRAINAGE IMPROVEMENTS)
16. REFER TO GEOMETRIC LAYOUT PLANS (C5.1 TO C5.8) FOR LIMITS



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- REMOVE EXISTING STORM DRAIN PIPE
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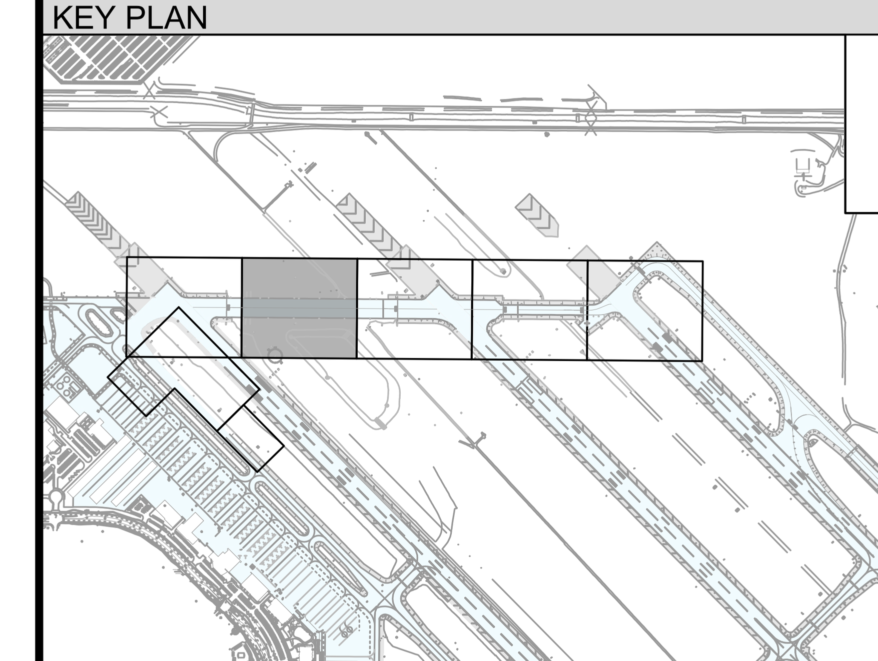
5. SAWCUT EXISTING PCC PAVEMENT FULL DEPTH

KEY PLAN



GRAPHIC SCALE
40 0 20 40 80
(IN FEET)

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Mesa, Arizona 85210 (480) 207-2666

FIRM'S SEAL

SCALE
Horiz. 1" = 40'
Vert. ___
Date 11/26/2025
Designed by JMM
Drawn by JCC
Checked by NCW
Approved by JMM

Mesa Gateway Airport
MESA GATEWAY AIRPORT AUTHORITY
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PROJECT NAME
MESA GATEWAY AIRPORT
TAXIWAY G REALIGNMENT

DEMOLITION PLAN
SHEET 2 OF 6

PROJECT NO. 091134073
FILE NO. 091134073 - DM02

C3.5

SHEET 21 of 153

K:\EAV_Aviation\091134073 - Taxiway G Realignment\CADD\091134073 - DM02.dwg Nov 26, 2025 Brad.Nisbet

CONSTRUCTION NOTES (CONTINUED):

6. REMOVE EXISTING PORTLAND CEMENT CONCRETE PAVEMENT
7. SAWCUT EXISTING AC PAVEMENT FULL DEPTH
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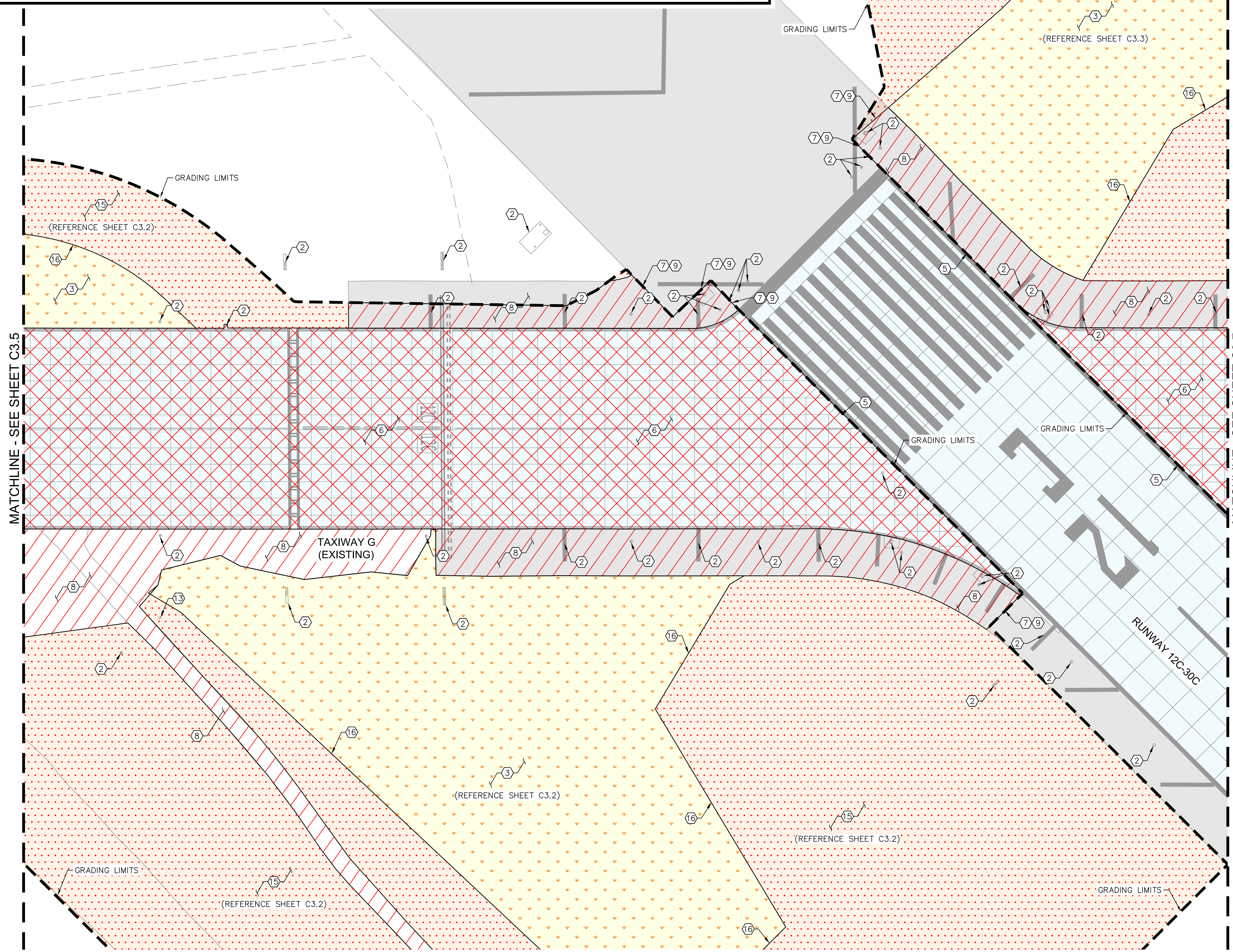
15. TRANSITION AREA (DRAINAGE IMPROVEMENTS)
16. REFER TO GEOMETRIC LAYOUT PLANS (C5.1 TO C5.8) FOR LIMITS



LEGEND

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CONSTRUCTION NOTES:

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4. OBLITERATE EXISTING PAVEMENT MARKINGS (PROTECT EXISTING JOINTS)
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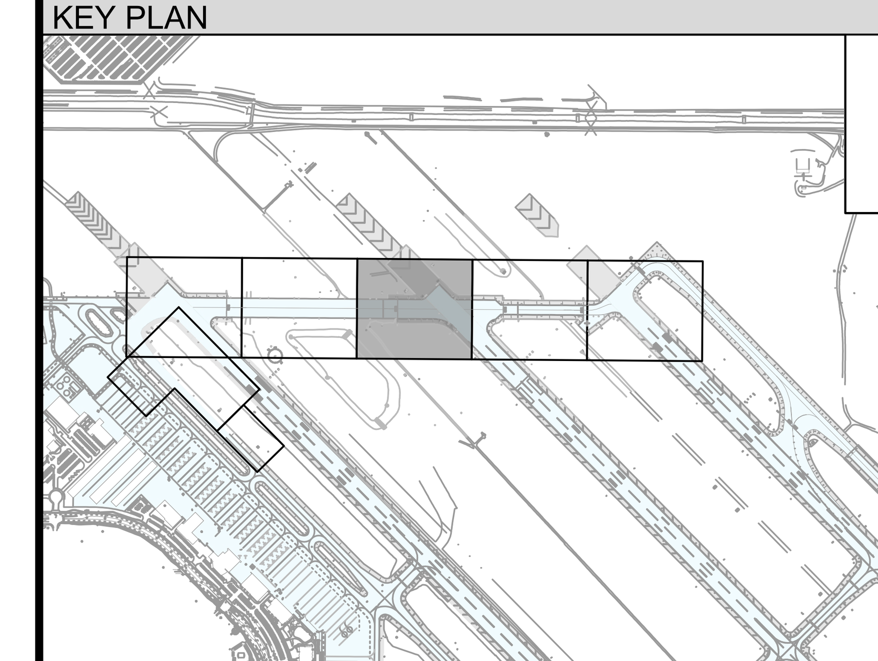
KEY PLAN



GRAPHIC SCALE

40 0 20 40 80

(IN FEET)

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FIRM'S SEAL

SCALE
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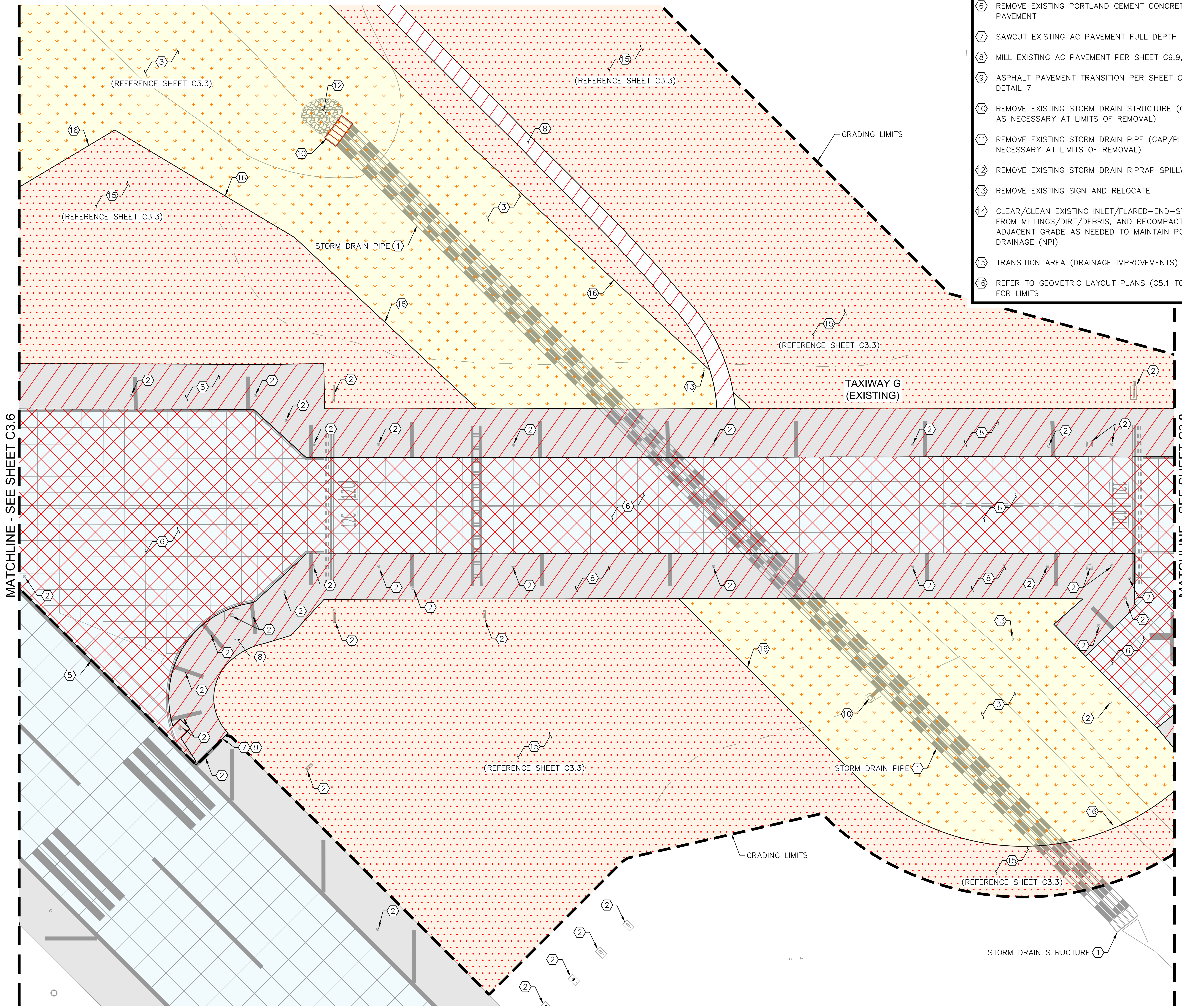
PROJECT NAME

MESA GATEWAY AIRPORT
TAXIWAY G REALIGNMENT

DEMOLITION PLAN
SHEET 3 OF 6

PROJECT NO. 091134073
FILE NO. 091134073 - DM02

C3.6



CONSTRUCTION NOTES (CONTINUED):

6. REMOVE EXISTING PORTLAND CEMENT CONCRETE PAVEMENT
7. SAWCUT EXISTING AC PAVEMENT FULL DEPTH
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LEGEND

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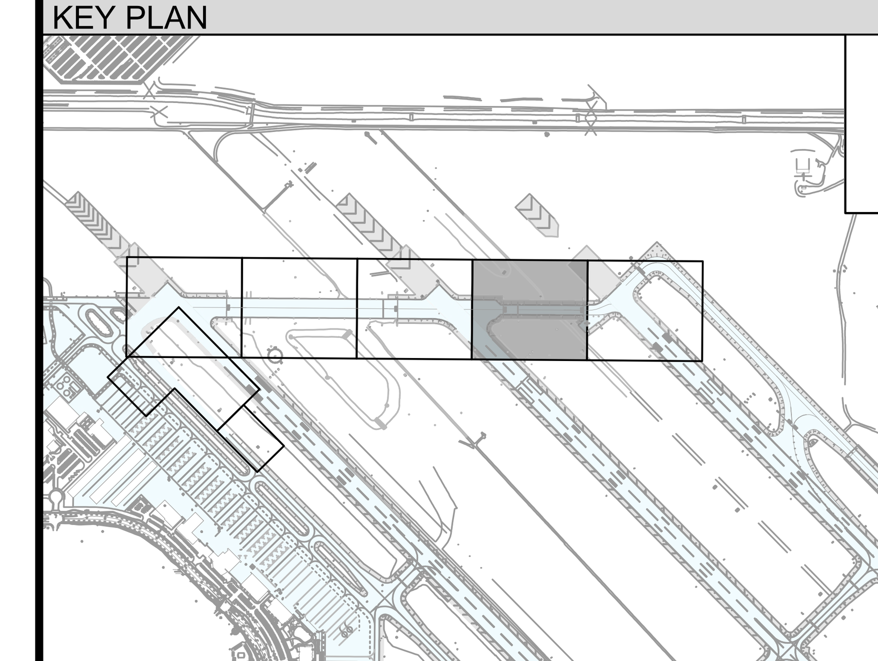
KEY PLAN



GRAPHIC SCALE

40 0 20 40 80

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DEMOLITION PLAN

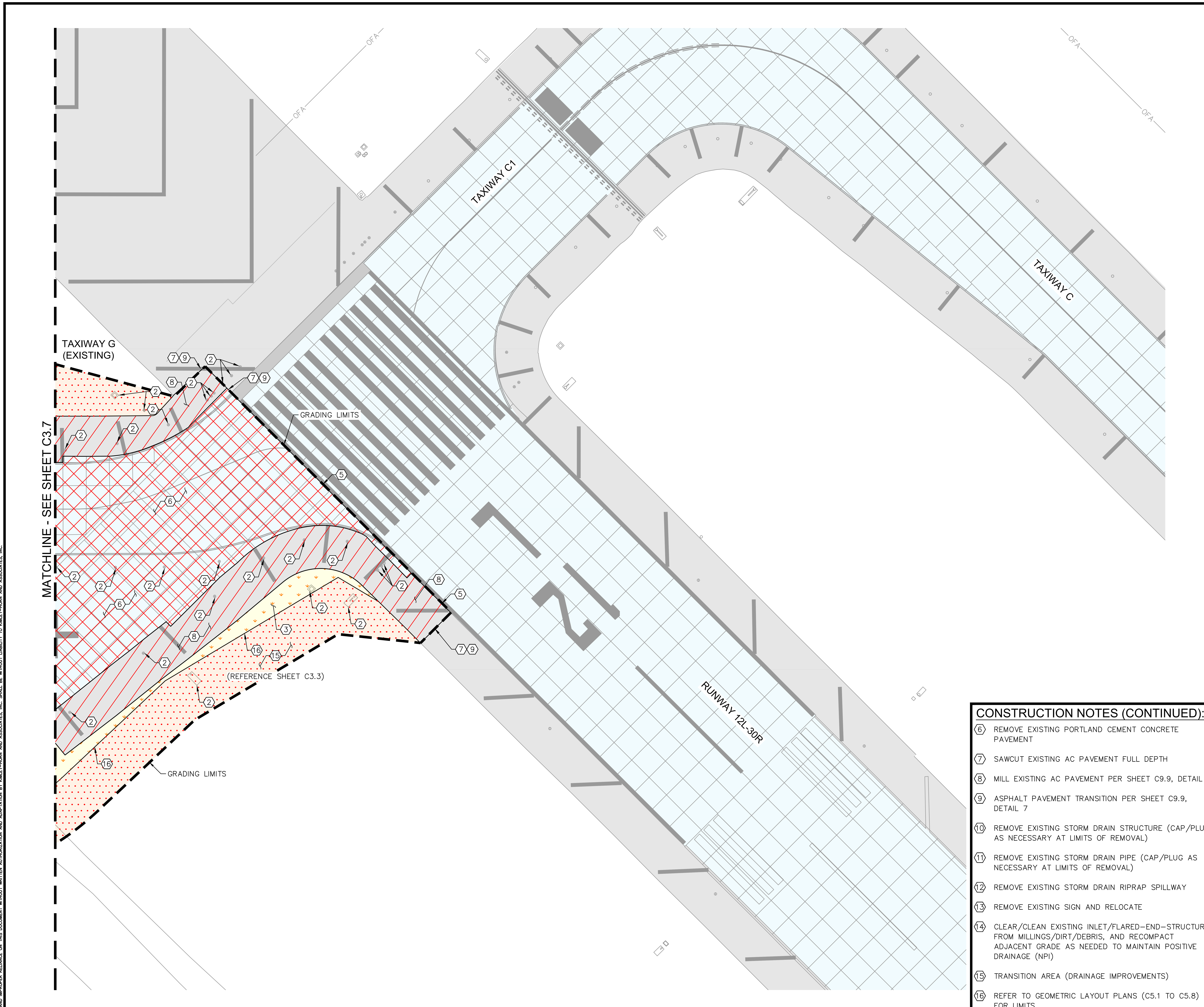
SHEET 4 OF 6

PROJECT NO. 091134073

FILE NO. 091134073 - DM02

C3.7

SHEET 23 of 153



LEGEND

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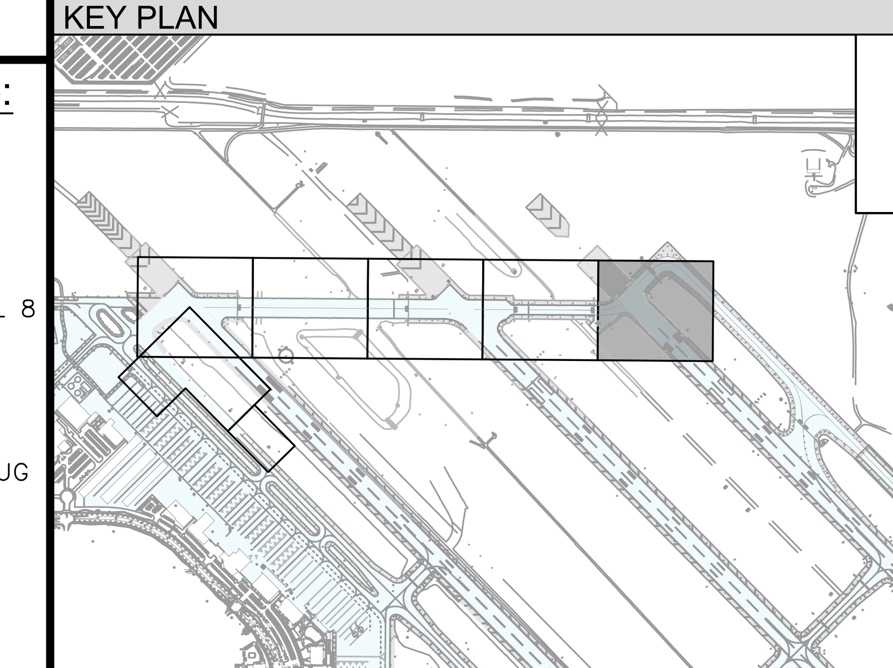
6. REMOVE EXISTING PORTLAND CEMENT CONCRETE PAVEMENT
7. SAWCUT EXISTING AC PAVEMENT FULL DEPTH
8. MILL EXISTING AC PAVEMENT PER SHEET C9.9, DETAIL 8
9. ASPHALT PAVEMENT TRANSITION PER SHEET C9.9, DETAIL 7
10. REMOVE EXISTING STORM DRAIN STRUCTURE (CAP/PLUG AS NECESSARY AT LIMITS OF REMOVAL)
11. REMOVE EXISTING STORM DRAIN PIPE (CAP/PLUG AS NECESSARY AT LIMITS OF REMOVAL)
12. REMOVE EXISTING STORM DRAIN RIPRAP SPILLWAY
13. REMOVE EXISTING SIGN AND RELOCATE
14. CLEAR/CLEAN EXISTING INLET/FLARED-END-STRUCTURE FROM MILLINGS/DIRT/DEBRIS, AND RECOMPACT ADJACENT GRADE AS NEEDED TO MAINTAIN POSITIVE DRAINAGE (NPI)
15. TRANSITION AREA (DRAINAGE IMPROVEMENTS)
16. REFER TO GEOMETRIC LAYOUT PLANS (C5.1 TO C5.8) FOR LIMITS

KEY PLAN



GRAPHIC SCALE

40 0 20 40 80

(IN FEET)

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PLANS TO BE PRINTED IN COLOR

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NO.	REVISION	DATE	BY

FIRM'S NAME

Kimley»Horn

KIMLEY-HORN AND ASSOCIATES, INC.
2246 Riverview Auto Dr, SUITE 400
Mesa, Arizona 85210 (480) 207-2666

FIRM'S SEAL

SCALE Horiz. 1" = 40' Vert.

Date 11/26/2025
Designed by JMM
Drawn by JCC
Checked by NCW
Approved by JMM

Mesa Gateway Airport

MESA GATEWAY AIRPORT AUTHORITY
5835 SOUTH SOSSAMAN ROAD
MESA, ARIZONA 85212
(480) 988-7600
GATEWAYAIRPORT.COM

PROJECT NAME

MESA GATEWAY AIRPORT
TAXIWAY G REALIGNMENT

DEMOLITION PLAN

SHEET 5 OF 6

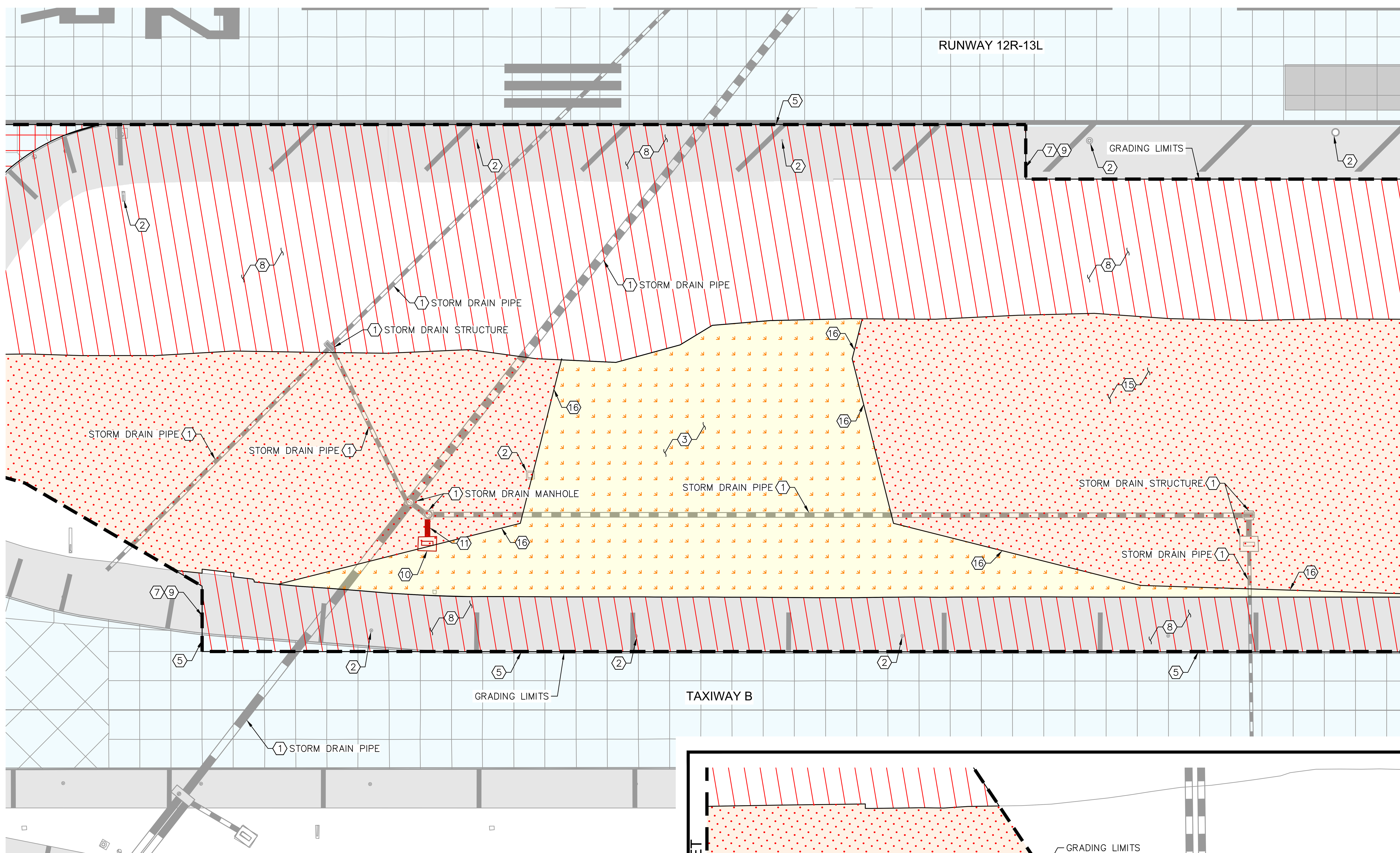
PROJECT NO. 091134073

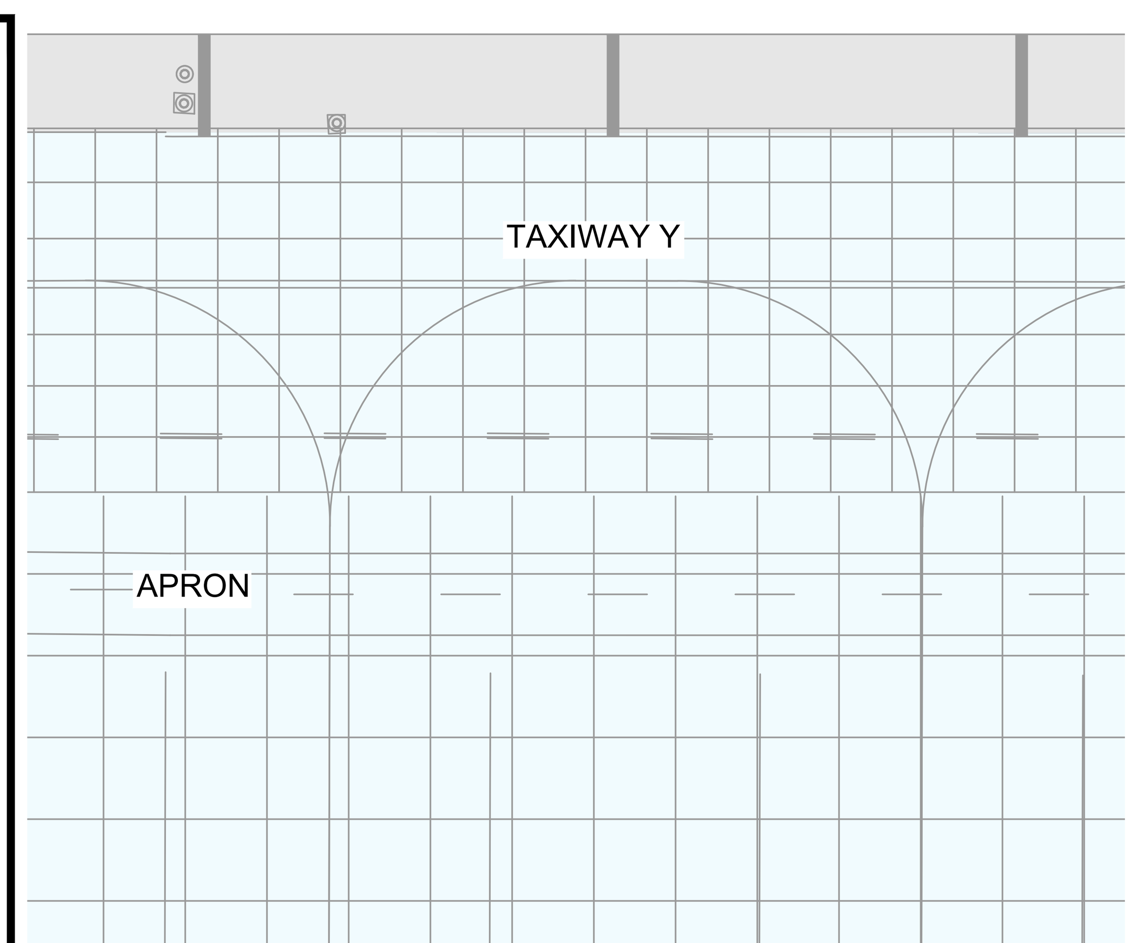
FILE NO. 091134073 - DM02

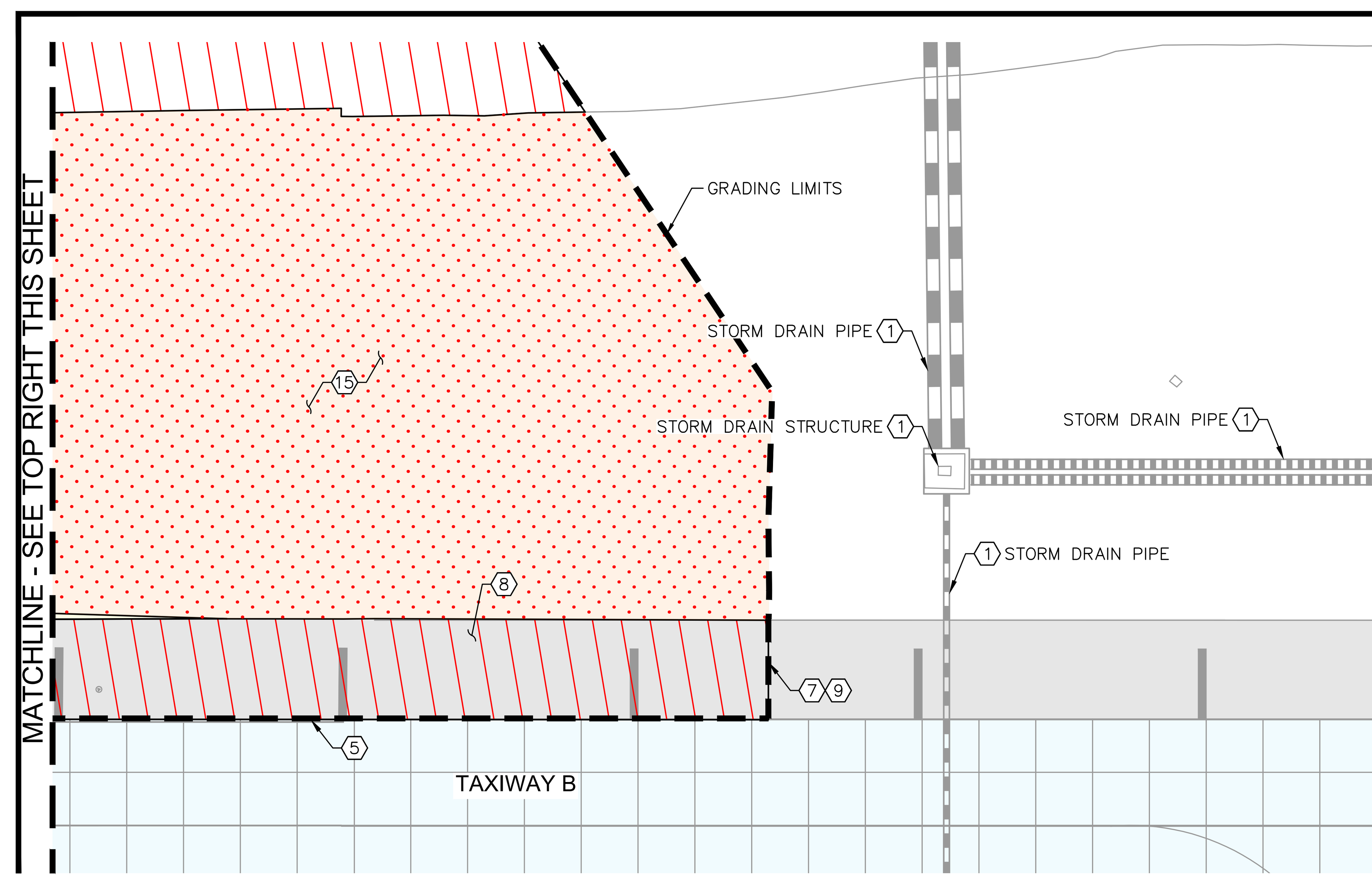
C3.8

SHEET 24 of 153

K:\EAV_Aviation\091134073 – Taxiway G Realignment\CADD\091134073 – DM02.dwg Nov 26, 2025 Brad.Nisbet







LEGEND

- REMOVE EXISTING PORTLAND CEMENT CONCRETE PAVEMENT SECTION (FULL DEPTH)
- REMOVE EXISTING AC PAVEMENT SECTION (FULL DEPTH)
- TRANSITION AREA (DRAINAGE IMPROVEMENTS)
- CLEAR AND GRUB AREA
- REMOVE/OBLITERATE EXISTING PAVEMENT MARKING
- GRADING LIMITS
- REMOVE EXISTING STORM DRAIN PIPE
- REMOVE EXISTING STORM DRAIN INLET
- REMOVE EXISTING STORM DRAIN HEADWALL
- REMOVE EXISTING STORM DRAIN OUTLET STRUCTURE

GENERAL NOTES:

1. EXISTING UTILITY INFORMATION SHOWN ON THE PLANS CONCERNING THE TYPE, SIZE AND LOCATION WERE COMPILED BASED ON THE BEST AVAILABLE UTILITY RECORDS TO THE ENGINEER. THE CONTRACTOR SHALL PROVIDE A UTILITY LOCATOR AND VERIFY THE ACTUAL LOCATION OF UTILITIES PRIOR TO CONSTRUCTION. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT ALL EXISTING UTILITIES IN PLACE UNLESS NOTED OR SPECIFIED OTHERWISE. ANY DAMAGE TO EXISTING UTILITIES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE. UTILITIES INTERFERING WITH CONSTRUCTION SHALL BE RESET OR RELOCATED BY THE UTILITY COMPANY CONCERNED UNLESS NOTED OTHERWISE.
2. THE ATTEMPT TO IDENTIFY ALL MISCELLANEOUS ELECTRICAL FACILITIES HAS BEEN MADE. IN THE CASE WHERE ANY ELECTRICAL FACILITIES HAVE BEEN OMITTED, THE CONTRACTOR SHALL REMOVE THE ITEMS WITH COST BEING INCIDENTAL.
3. REFER TO C1.4 FOR PROJECT LAYOUT PLAN AND C1.5 FOR HORIZONTAL CONTROL.
4. EXPOSED SUBGRADE AND BASE MATERIAL TO BE KEPT MOIST AND COMPACTED TO MINIMIZE FOD FROM JET BLAST AND SHALL BE TREATED WITH A DUST PALLIATIVE STABILIZER.
5. REFER TO ELECTRICAL DEMOLITION PLANS FOR ELECTRICAL DEMOLITION.

CONSTRUCTION NOTES:

1. PROTECT IN PLACE
2. REFER TO ELECTRICAL PLANS
3. CLEAR AND GRUB (AREA WITHIN PROPOSED PCC TAXIWAY AND AC SHOULDER LIMITS)
4. OBLITERATE EXISTING PAVEMENT MARKINGS (PROTECT EXISTING JOINTS)
5. SAWCUT EXISTING PCC PAVEMENT FULL DEPTH

CONSTRUCTION NOTES (CONTINUED):

6. REMOVE EXISTING PORTLAND CEMENT CONCRETE PAVEMENT
7. SAWCUT EXISTING AC PAVEMENT FULL DEPTH
8. MILL EXISTING AC PAVEMENT PER SHEET C9.9, DETAIL 8
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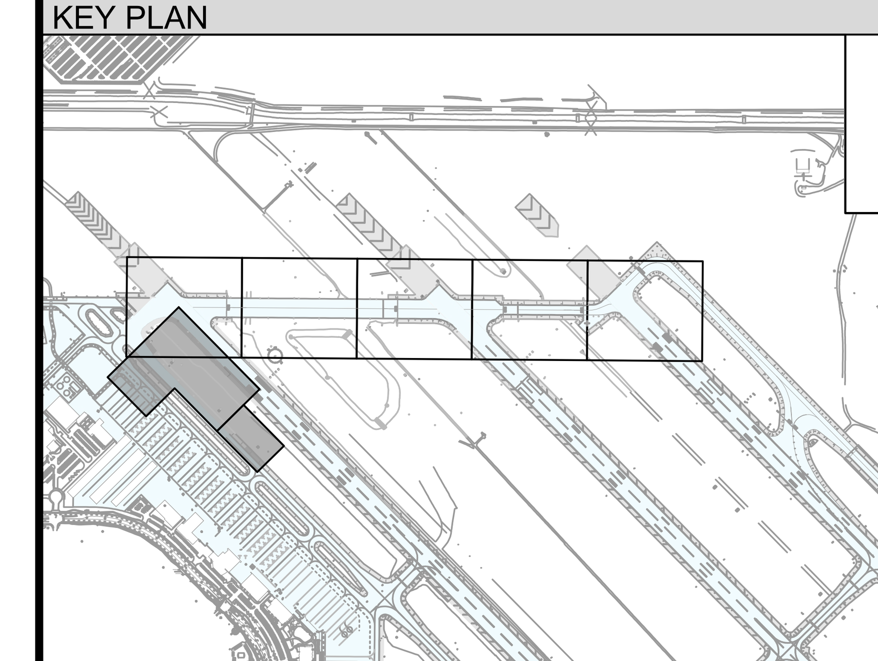
KEY PLAN



GRAPHIC SCALE

40 0 20 40 80

(IN FEET)

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KIMLEY-HORN AND ASSOCIATES, INC.
2246 Riverview Auto Dr. SUITE 400
Mesa, Arizona 85210 (480) 207-2666

FIRM'S SEAL

SCALE: Horiz. 1" = 40' Vert.

Date 11/26/2025
Designed by JMM
Drawn by JCC
Checked by NCW
Approved by JMM

Mesa Gateway Airport
MESA GATEWAY AIRPORT AUTHORITY
5835 SOUTH SOSSAMAN ROAD
MESA, ARIZONA 85212
(480) 988-7600
GATEWAYAIRPORT.COM

PROJECT NAME: MESA GATEWAY AIRPORT TAXIWAY G REALIGNMENT

DEMOLITION PLAN

SHEET 6 OF 6

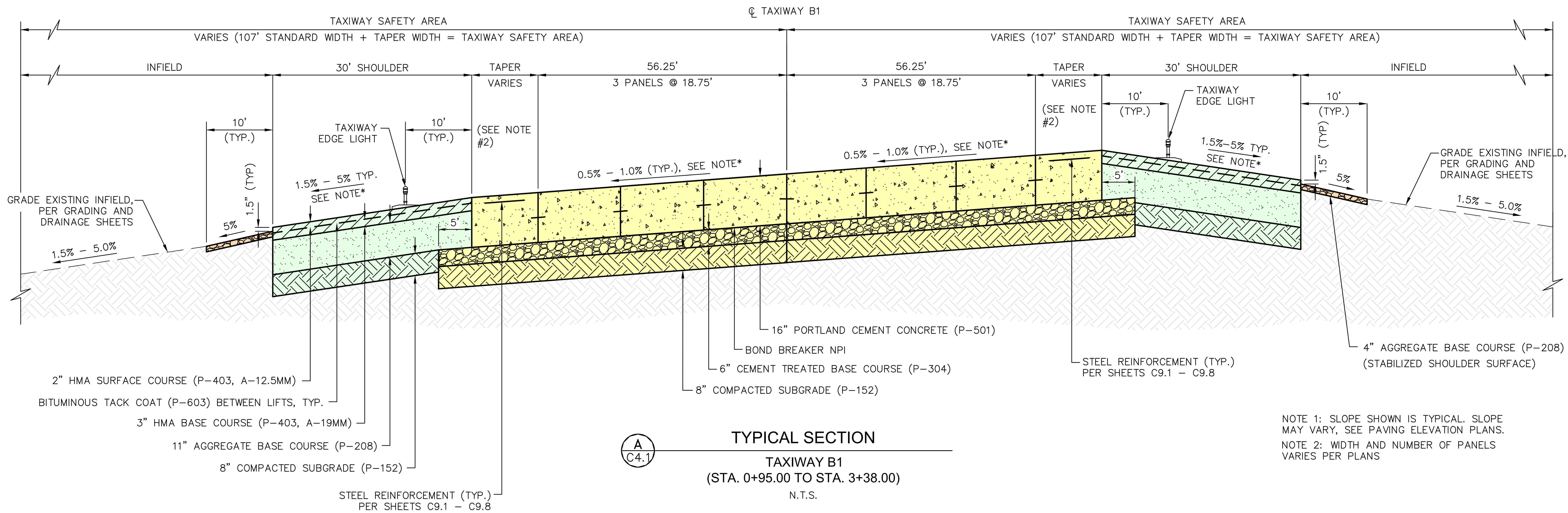
PROJECT NO. 091134073

FILE NO. 091134073 - DM02

C3.9

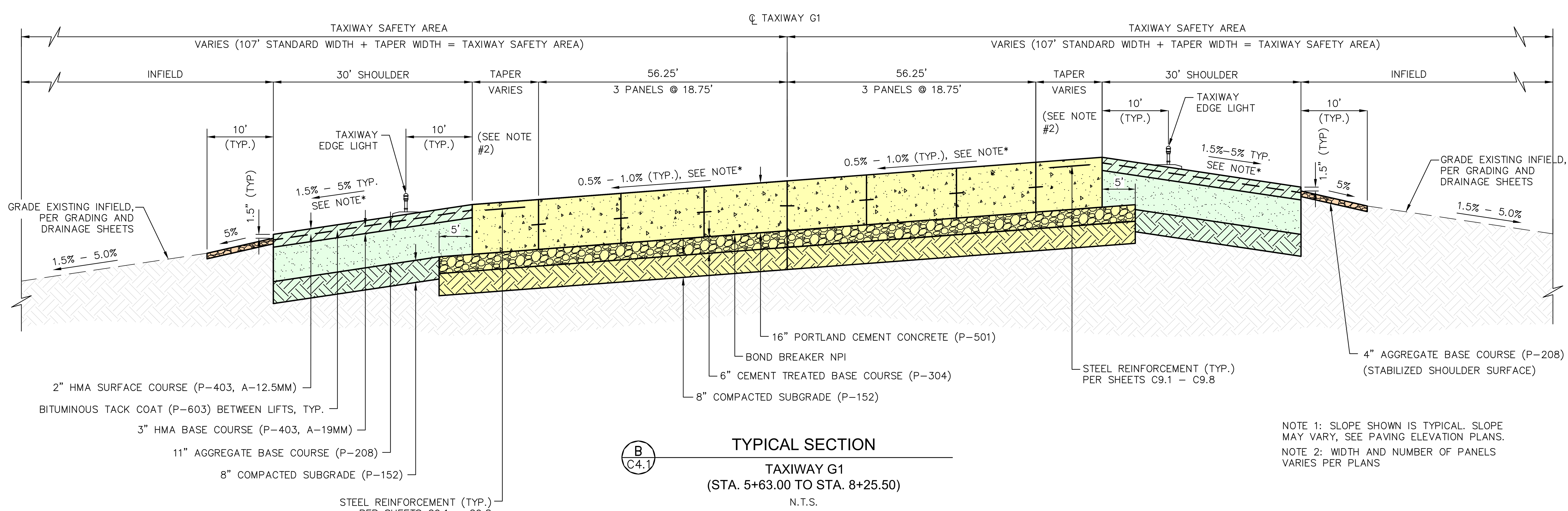
SHEET 25 of 153

K:\EAV_Aviation\091134073 - Taxiway G Realignment\CADD\091134073 - DM02.dwg Nov 26, 2025 Brad.Nisbet



A C4.1 **TYPICAL SECTION**
TAXIWAY B1
(STA. 0+95.00 TO STA. 3+38.00)
N.T.S.

NOTE 1: SLOPE SHOWN IS TYPICAL. SLOPE MAY VARY, SEE PAVING ELEVATION PLANS.
NOTE 2: WIDTH AND NUMBER OF PANELS VARIES PER PLANS



B C4.1 **TYPICAL SECTION**
TAXIWAY G1
(STA. 5+63.00 TO STA. 8+25.50)
N.T.S.

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FIRM'S NAME: Kimley»Horn
KIMLEY-HORN AND ASSOCIATES, INC.
2846 Riverview Auto Dr., SUITE 400
Mesa, Arizona 85210 (480) 207-2666

FIRM'S SEAL

SCALE
Horiz. N/A
Vert. N/A
Date 11/26/2025
Designed by JMM
Drawn by JZ
Checked by NCW
Approved by JMM

Mesa Gateway Airport
MESA GATEWAY AIRPORT AUTHORITY
5835 SOUTH SOSSAMAN ROAD
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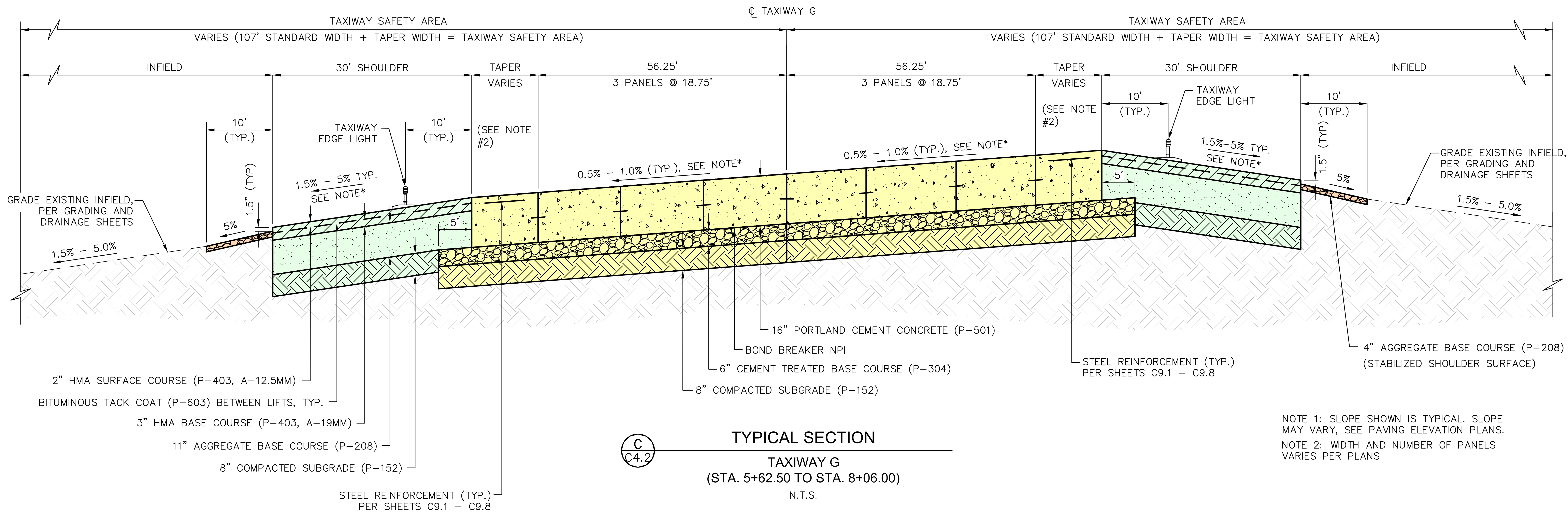
(480) 988-7600
GATEWAYAIRPORT.COM

PROJECT NAME
MESA GATEWAY AIRPORT
TAXIWAY G REALIGNMENT
TYPICAL SECTIONS
SHEET 1 OF 3

PROJECT NO. 091134073
FILE NO. 091134073 - TX
C4.1
SHEET 26 of 153

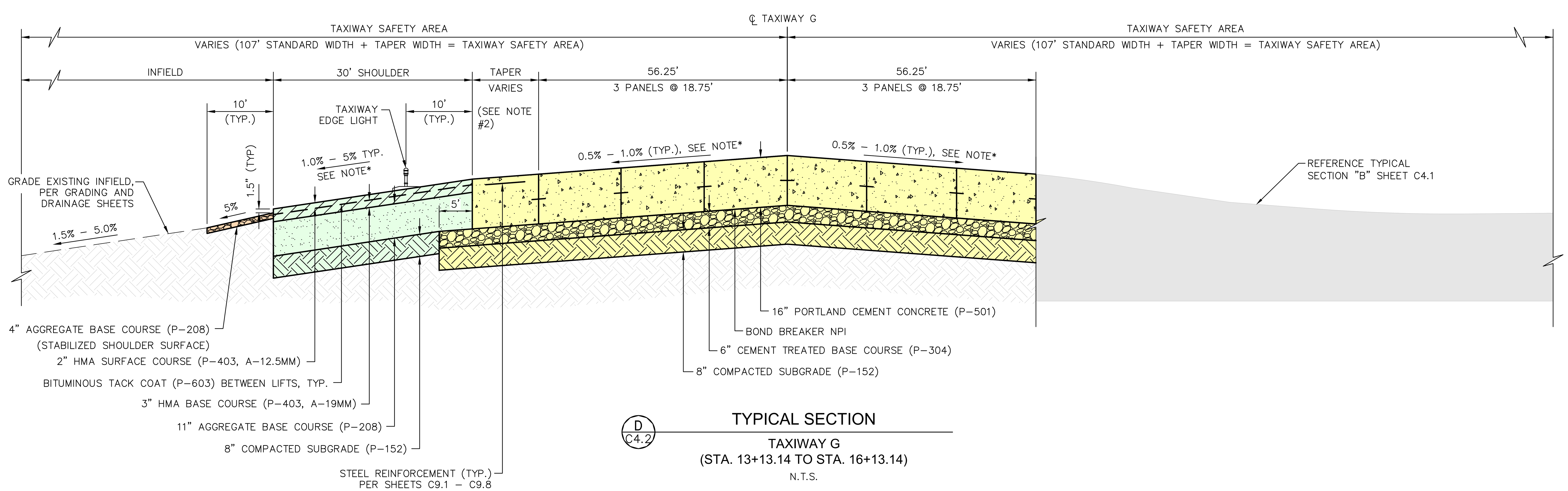


C / C4.2

TYPICAL SECTION

TAXIWAY G
(STA. 5+62.50 TO STA. 8+06.00)
N.T.S.

NOTE 1: SLOPE SHOWN IS TYPICAL. SLOPE MAY VARY, SEE PAVING ELEVATION PLANS.
NOTE 2: WIDTH AND NUMBER OF PANELS VARIES PER PLANS



D / C4.2

TYPICAL SECTION

TAXIWAY G
(STA. 13+13.14 TO STA. 16+13.14)
N.T.S.

NOTE 1: SLOPE SHOWN IS TYPICAL. SLOPE MAY VARY, SEE PAVING ELEVATION PLANS.
NOTE 2: WIDTH AND NUMBER OF PANELS VARIES PER PLANS

PLANS TO BE PRINTED IN COLOR
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FIRM'S SEAL

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Horiz. N/A
Vert. N/A
Date 11/26/2025
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Checked by NCW
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MESA, ARIZONA 85212
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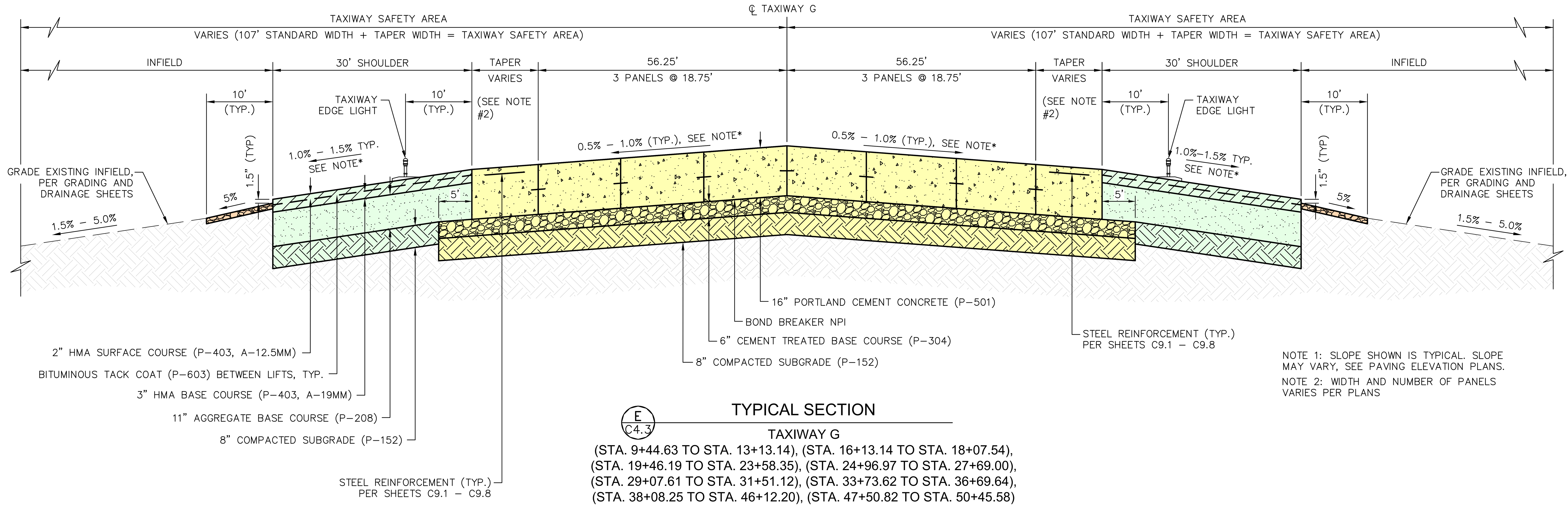
PROJECT NAME
MESA GATEWAY AIRPORT
TAXIWAY G REALIGNMENT
TYPICAL SECTIONS
SHEET 2 OF 3

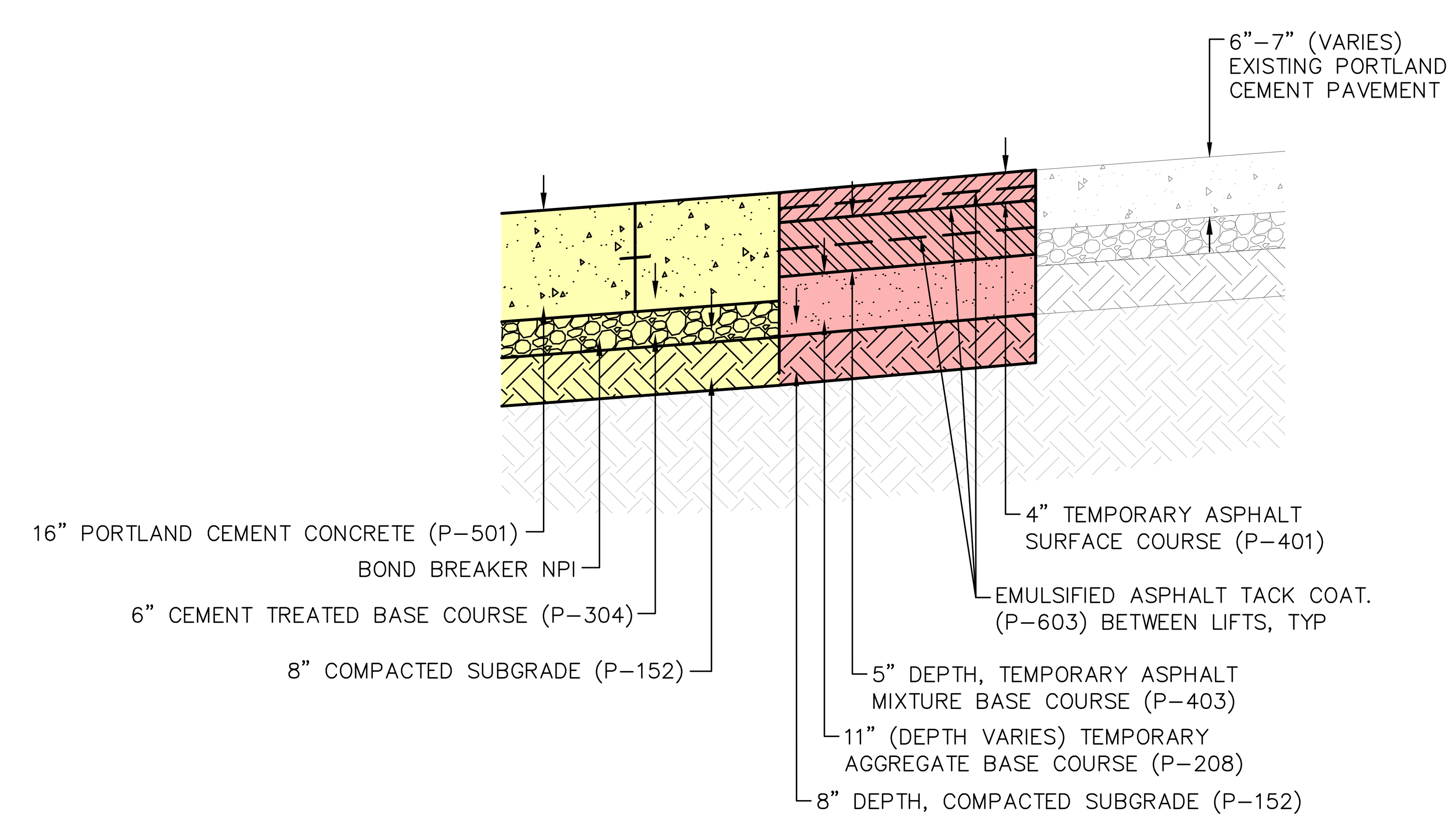
PROJECT NO. 091134073
FILE NO. 091134073 - TX
C4.2
SHEET 27 of 153



NOTE 1: SLOPE SHOWN IS TYPICAL. SLOPE MAY VARY, SEE PAVING ELEVATION PLANS.
NOTE 2: WIDTH AND NUMBER OF PANELS VARIES PER PLANS

E / C4.3 **TYPICAL SECTION**

TAXIWAY G
(STA. 9+44.63 TO STA. 13+13.14), (STA. 16+13.14 TO STA. 18+07.54),
(STA. 19+46.19 TO STA. 23+58.35), (STA. 24+96.97 TO STA. 27+69.00),
(STA. 29+07.61 TO STA. 31+51.12), (STA. 33+73.62 TO STA. 36+69.64),
(STA. 38+08.25 TO STA. 46+12.20), (STA. 47+50.82 TO STA. 50+45.58)
N.T.S.



F / C4.3 **TEMPORARY ASHPALT TRANSITION DETAIL**
N.T.S.

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FIRM'S SEAL

SCALE Horiz. N/A Vert. N/A
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PROJECT NAME
MESA GATEWAY AIRPORT
TAXIWAY G REALIGNMENT
TYPICAL SECTIONS
SHEET 3 OF 3

PROJECT NO. 091134073
FILE NO. 091134073 - TX
C4.3
SHEET 28 of 153

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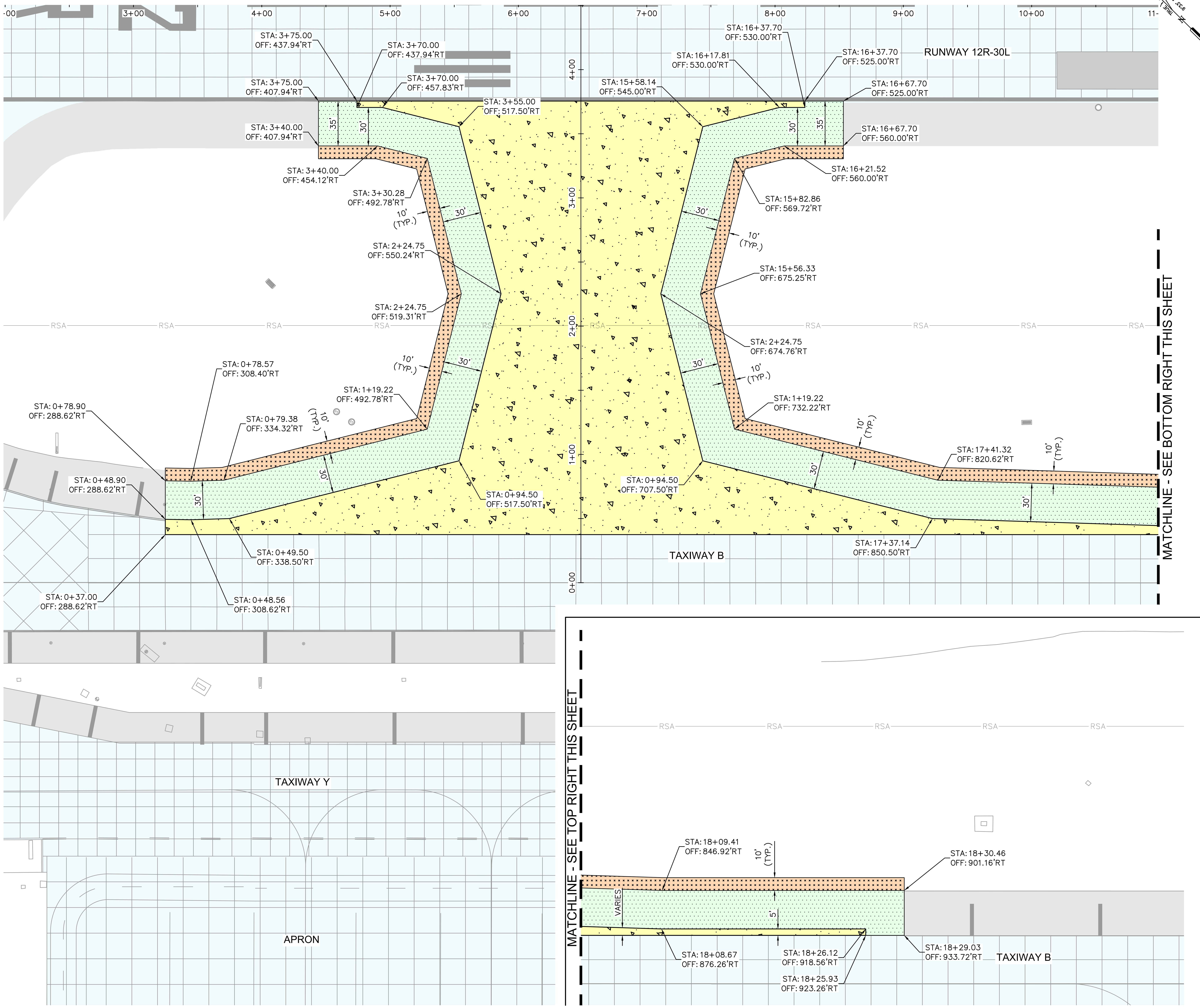
XREFS: x091134073 – TB



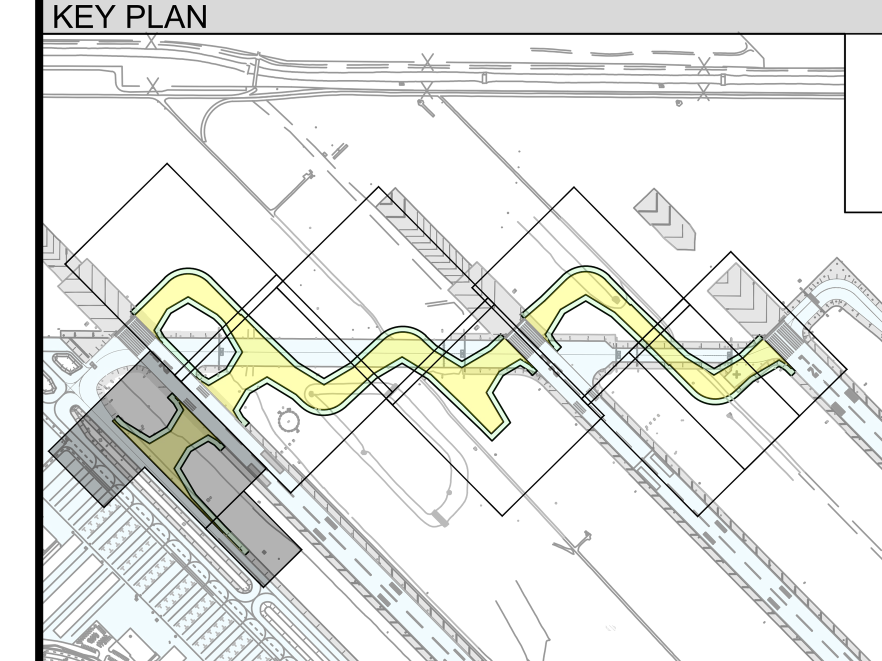
LEGEND

- PORTLAND CEMENT CONCRETE PAVEMENT (P-501)
- AC PAVEMENT SHOULDER (P-403)
- AGGREGATE BASE COURSE (P-208) (STABILIZED SHOULDER SURFACE)

GENERAL NOTES:

1. REFER TO SHEETS C4.1 THRU C4.3 FOR TYPICAL SECTIONS.
2. REFER TO SHEET C1.5 FOR HORIZONTAL AND VERTICAL CONTROL.
3. REFER TO SHEETS C6.1 THRU C6.10 FOR PLAN AND PROFILE.
4. REFER TO SHEETS C7.1 THRU C7.8 FOR PAVING ELEVATION PLAN.
5. REFER TO SHEETS C8.1 THRU C8.9 FOR GRADING AND DRAINAGE PLAN.
6. REFER TO SHEETS C9.1 THRU C9.8 FOR JOINT LAYOUT PLAN.
7. REFER TO SHEETS C10.1 THRU C10.8 FOR PAVEMENT MARKING PLAN.
8. REFER TO ELECTRICAL PLANS FOR AIRFIELD LIGHTING AND SIGNING SYSTEM.
9. ALL STATION/OFFSET LABELS REFER TO THE PROPOSED "TAXIWAY G" ALIGNMENT.

KEY PLAN



GRAPHIC SCALE

40 0 20 40 80

(IN FEET)

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SCALE
Horiz. 1" = 40'
Vert.

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GATEWAYAIRPORT.COM

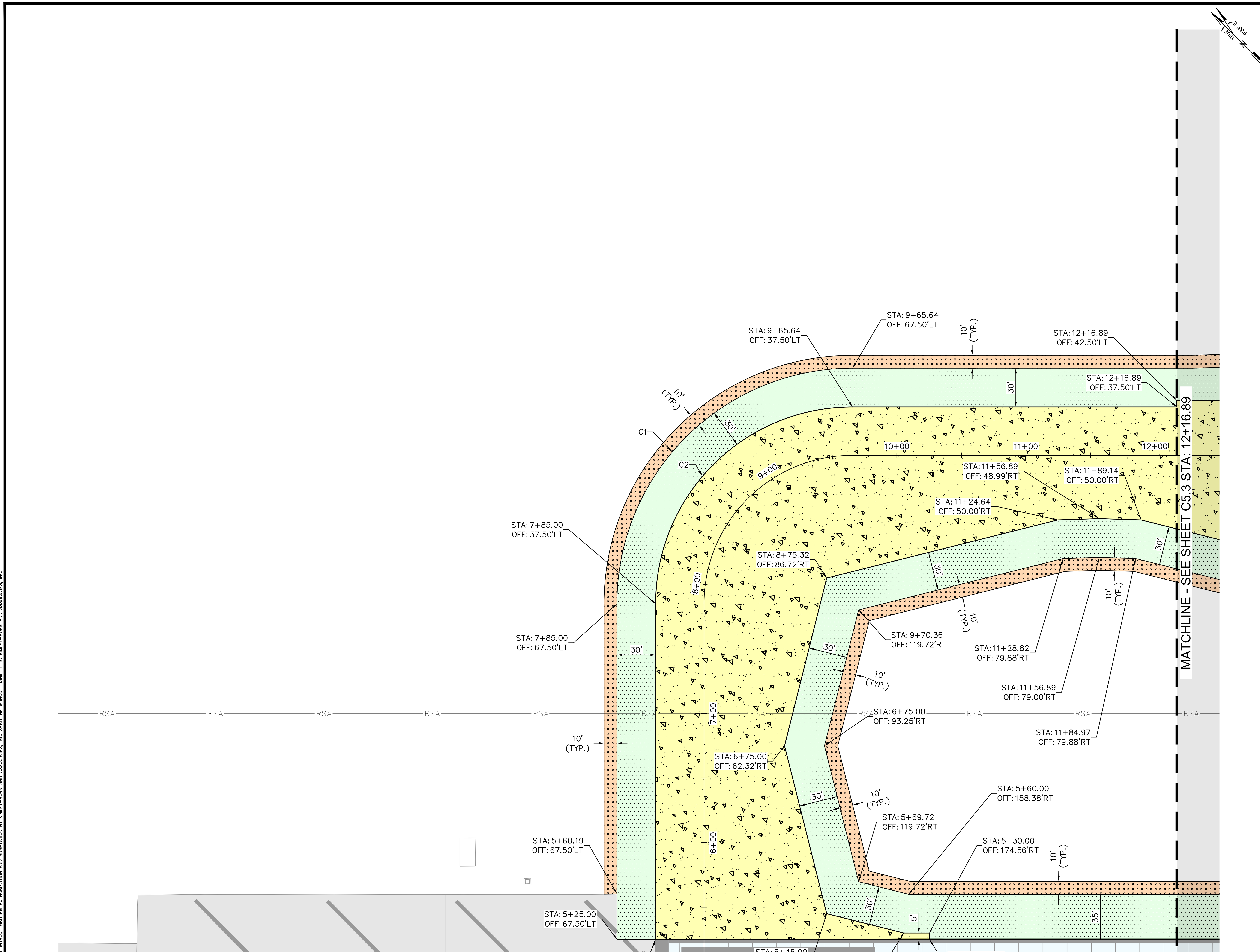
PROJECT NAME

MESA GATEWAY AIRPORT
TAXIWAY G REALIGNMENT

GEOMETRIC LAYOUT PLAN
SHEET 1 OF 8

PROJECT NO. 091134073
FILE NO. 091134073 - GL

C5.1



CURVE TABLE

CURVE	RADIUS	LENGTH	CHORD BEARING	CHORD	DELTA	TANGENT
C1	182.50'	286.67'	S89°34'38"E	258.09'	90°00'00"	182.50'
C2	152.50'	239.55'	S89°34'38"E	215.67'	90°00'00"	152.50'

LEGEND

- PORTLAND CEMENT CONCRETE PAVEMENT (P–501)
- AC PAVEMENT SHOULDER (P–403)
- AGGREGATE BASE COURSE (P–208) (STABILIZED SHOULDER SURFACE)

GENERAL NOTES:

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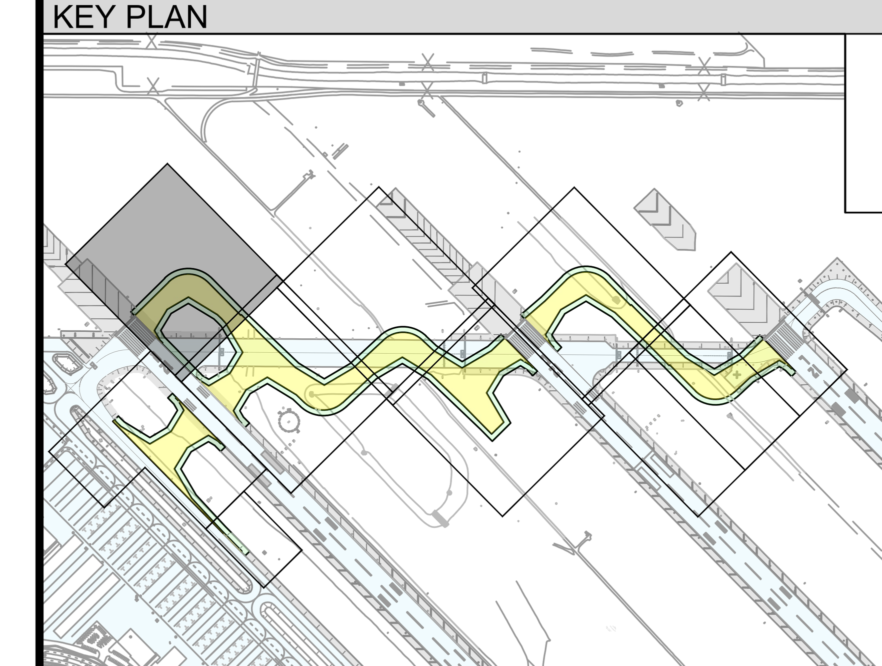
2. REFER TO SHEET C1.5 FOR HORIZONTAL AND VERTICAL CONTROL.
3. REFER TO SHEETS C6.1 THRU C6.10 FOR PLAN AND PROFILE.
4. REFER TO SHEETS C7.1 THRU C7.8 FOR PAVING ELEVATION PLAN.
5. REFER TO SHEETS C8.1 THRU C8.9 FOR GRADING AND DRAINAGE PLAN.
6. REFER TO SHEETS C9.1 THRU C9.8 FOR JOINT LAYOUT PLAN.
7. REFER TO SHEETS C10.1 THRU C10.8 FOR PAVEMENT MARKING PLAN.
8. REFER TO ELECTRICAL PLANS FOR AIRFIELD LIGHTING AND SIGNING SYSTEM.
9. ALL STATION/OFFSET LABELS REFER TO THE PROPOSED "TAXIWAY G" ALIGNMENT.

KEY PLAN



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40 0 20 40 80

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FIRM'S SEAL

SCALE
Horiz. 1" = 40'
Vert. —

Date 11/26/2025
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GATEWAYAIRPORT.COM

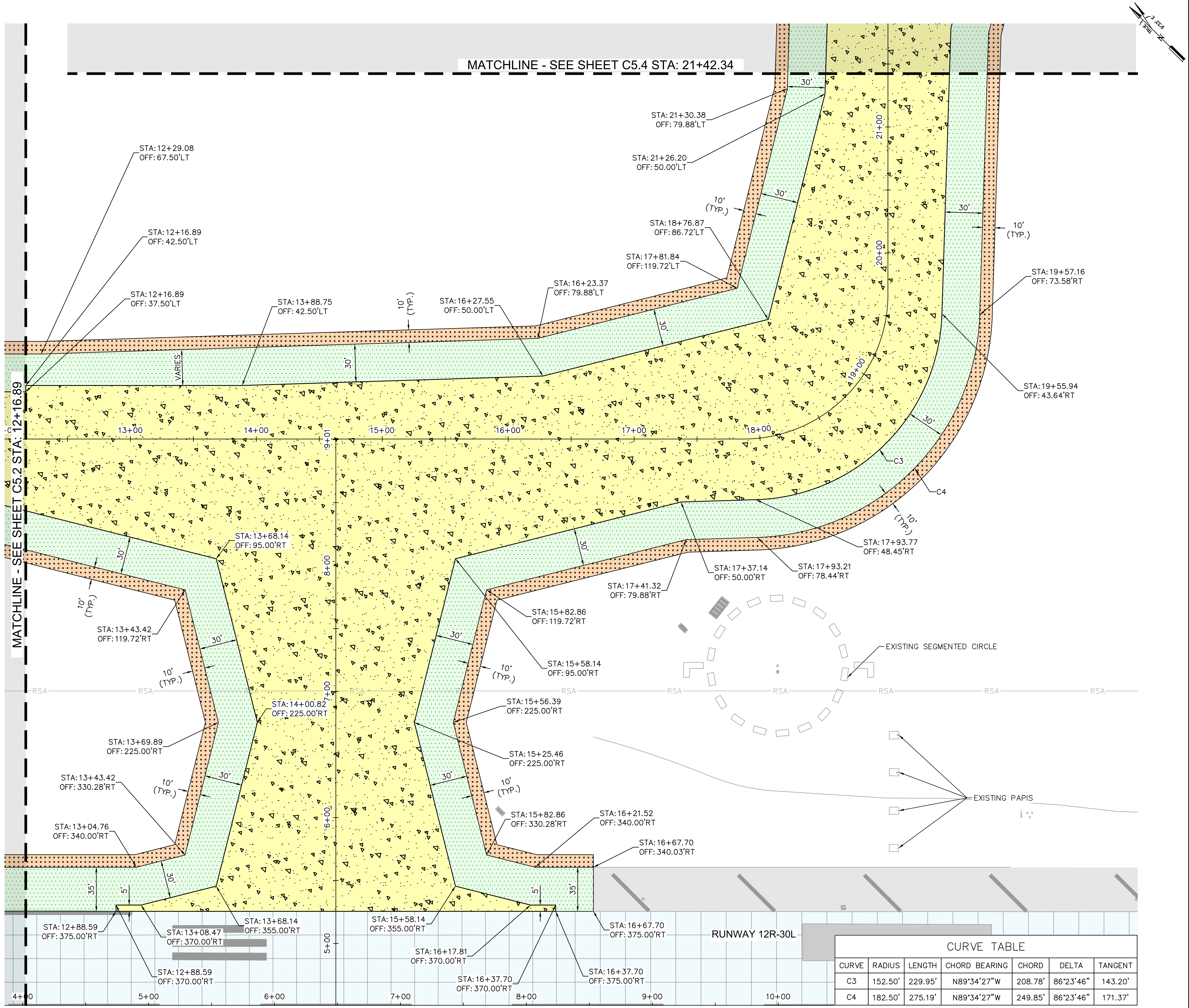
PROJECT NAME

MESA GATEWAY AIRPORT
TAXIWAY G REALIGNMENT

GEOMETRIC LAYOUT PLAN
SHEET 2 OF 8

PROJECT NO. 091134073
FILE NO. 091134073 - GL

C5.2



CURVE TABLE

CURVE	RADIUS	LENGTH	CHORD BEARING	CHORD	DELTA	TANGENT
C3	152.50'	229.95'	N89°34'27"W	208.78'	86°23'46"	143.20'
C4	182.50'	275.19'	N89°34'27"W	249.85'	86°23'46"	171.37'

LEGEND

- PORTLAND CEMENT CONCRETE PAVEMENT (P-501)
- AC PAVEMENT SHOULDER (P-403)
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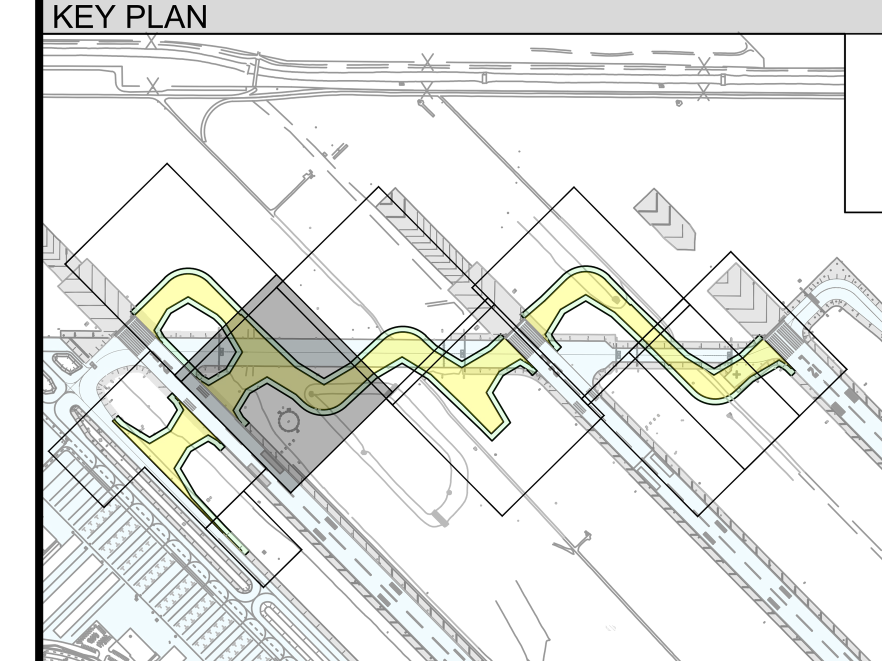
3. REFER TO SHEETS C6.1 THRU C6.10 FOR PLAN AND PROFILE.
4. REFER TO SHEETS C7.1 THRU C7.8 FOR PAVING ELEVATION PLAN.
5. REFER TO SHEETS C8.1 THRU C8.9 FOR GRADING AND DRAINAGE PLAN.
6. REFER TO SHEETS C9.1 THRU C9.8 FOR JOINT LAYOUT PLAN.
7. REFER TO SHEETS C10.1 THRU C10.8 FOR PAVEMENT MARKING PLAN.
8. REFER TO ELECTRICAL PLANS FOR AIRFIELD LIGHTING AND SIGNING SYSTEM.
9. ALL STATION/OFFSET LABELS REFER TO THE PROPOSED "TAXIWAY G" ALIGNMENT.

KEY PLAN



GRAPHIC SCALE

40 0 20 40 80

(IN FEET)

Call at least two full working days before you begin excavation. ARIZONA 811 Arizona Blue Stake, Inc. Dial 8-1-1 or 1-800-STAKE-IT (782-5348) In Maricopa County: (602) 263-1100

PLANS TO BE PRINTED IN COLOR

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NO.	REVISION	DATE	BY

FIRM'S NAME

Kimley»Horn

KIMLEY-HORN AND ASSOCIATES, INC.
2246 Riverview Auto Dr, SUITE 400
Mesa, Arizona 85210 (480) 207-2666

FIRM'S SEAL

SCALE Horiz. 1" = 40' Vert.

Date 11/26/2025
Designed by JMM
Drawn by BPN
Checked by NCW
Approved by JMM

Mesa Gateway Airport

MESA GATEWAY AIRPORT AUTHORITY
5835 SOUTH SOSSAMAN ROAD
MESA, ARIZONA 85212
(480) 988-7600
GATEWAYAIRPORT.COM

PROJECT NAME

MESA GATEWAY AIRPORT
TAXIWAY G REALIGNMENT

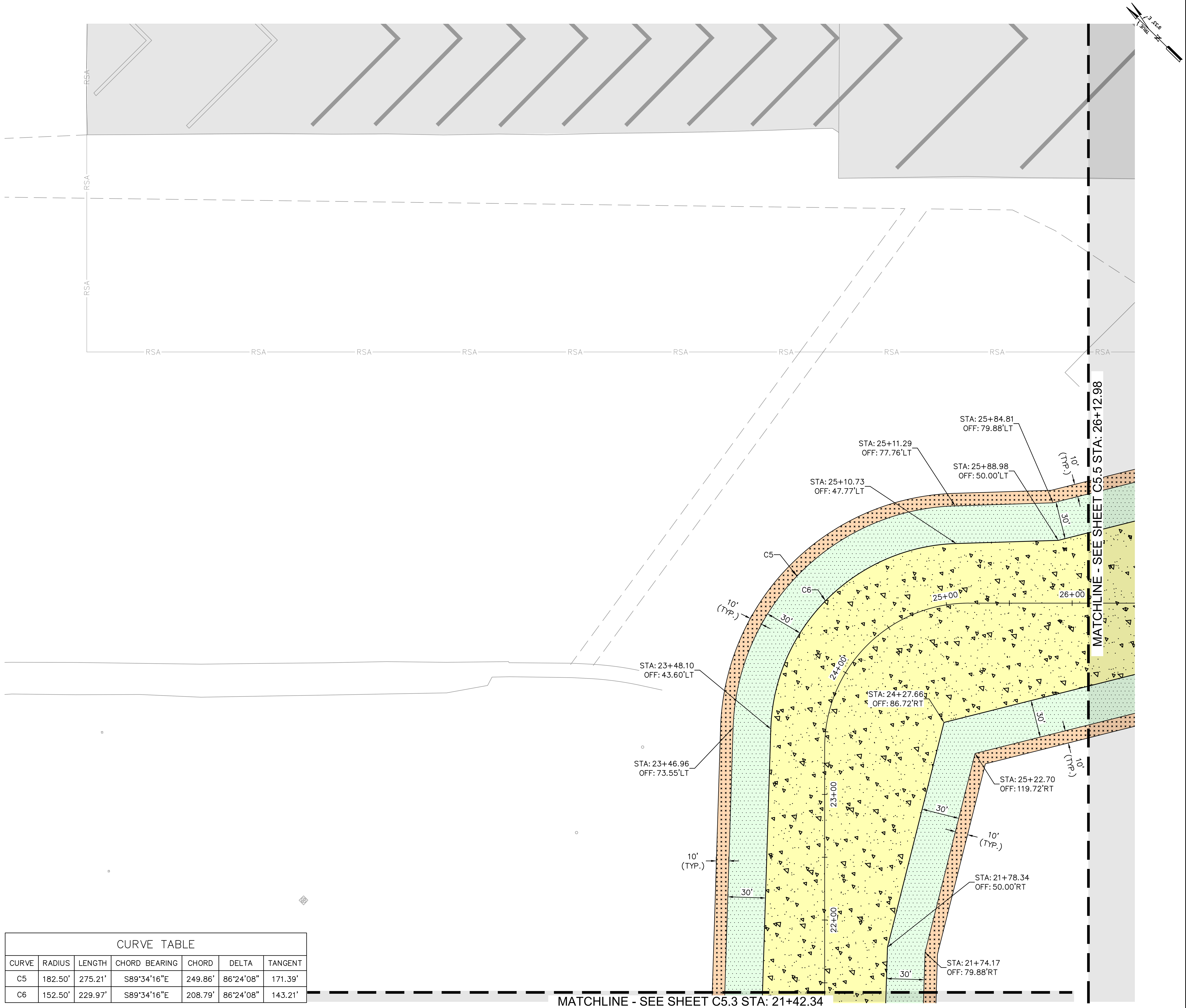
GEOMETRIC LAYOUT PLAN

SHEET 3 OF 8

PROJECT NO. 091134073

FILE NO. 091134073 - GL

C5.3



CURVE TABLE						
CURVE	RADIUS	LENGTH	CHORD BEARING	CHORD	DELTA	TANGENT
C5	182.50'	275.21'	S89°34'16"E	249.86'	86°24'08"	171.39'
C6	152.50'	229.97'	S89°34'16"E	208.79'	86°24'08"	143.21'

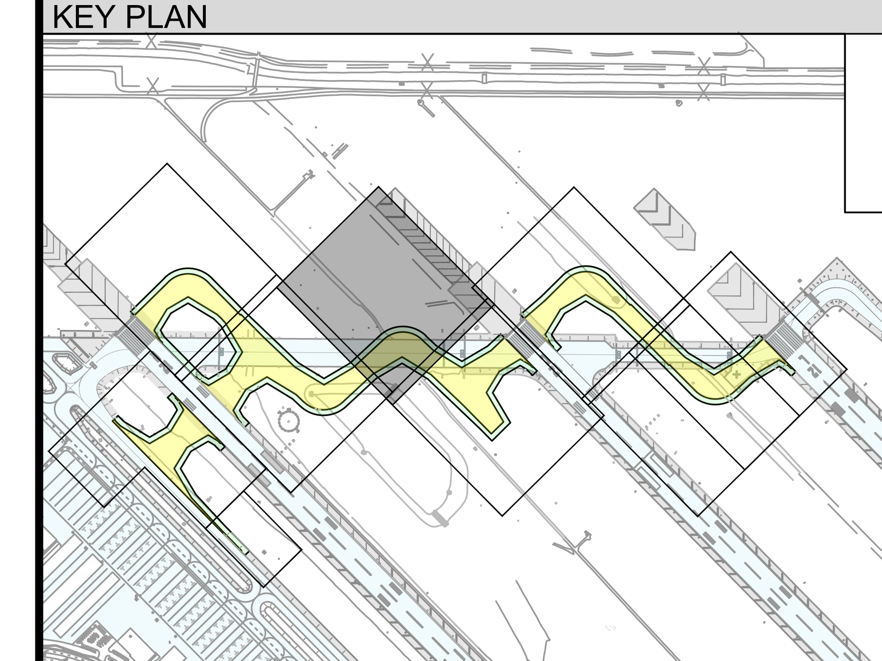
LEGEND

- PORTLAND CEMENT CONCRETE PAVEMENT (P-501)
- AC PAVEMENT SHOULDER (P-403)
- AGGREGATE BASE COURSE (P-208) (STABILIZED SHOULDER SURFACE)

GENERAL NOTES:

1. REFER TO SHEETS C4.1 THRU C4.3 FOR TYPICAL SECTIONS.
2. REFER TO SHEET C1.5 FOR HORIZONTAL AND VERTICAL CONTROL.
3. REFER TO SHEETS C6.1 THRU C6.10 FOR PLAN AND PROFILE.
4. REFER TO SHEETS C7.1 THRU C7.8 FOR PAVING ELEVATION PLAN.
5. REFER TO SHEETS C8.1 THRU C8.9 FOR GRADING AND DRAINAGE PLAN.
6. REFER TO SHEETS C9.1 THRU C9.8 FOR JOINT LAYOUT PLAN.
7. REFER TO SHEETS C10.1 THRU C10.8 FOR PAVEMENT MARKING PLAN.
8. REFER TO ELECTRICAL PLANS FOR AIRFIELD LIGHTING AND SIGNING SYSTEM.
9. ALL STATION/OFFSET LABELS REFER TO THE PROPOSED "TAXIWAY G" ALIGNMENT.

KEY PLAN



GRAPHIC SCALE

40 0 20 40 80

(IN FEET)

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ARIZONA811
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NO.	REVISION	DATE	BY

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Kimley»Horn

KIMLEY-HORN AND ASSOCIATES, INC.
2046 Riverview Auto Dr, SUITE 400
Mesa, Arizona 85210 (480) 207-2666

FIRM'S SEAL

SCALE
Horiz. 1" = 40'
Vert.

Date 11/26/2025
Designed by JMM
Drawn by BPN
Checked by NCW
Approved by JMM

Mesa Gateway Airport

MESA GATEWAY AIRPORT AUTHORITY
5835 SOUTH SOSSAMMAN ROAD
MESA, ARIZONA 85212
(480) 988-7600
GATEWAYAIRPORT.COM

PROJECT NAME

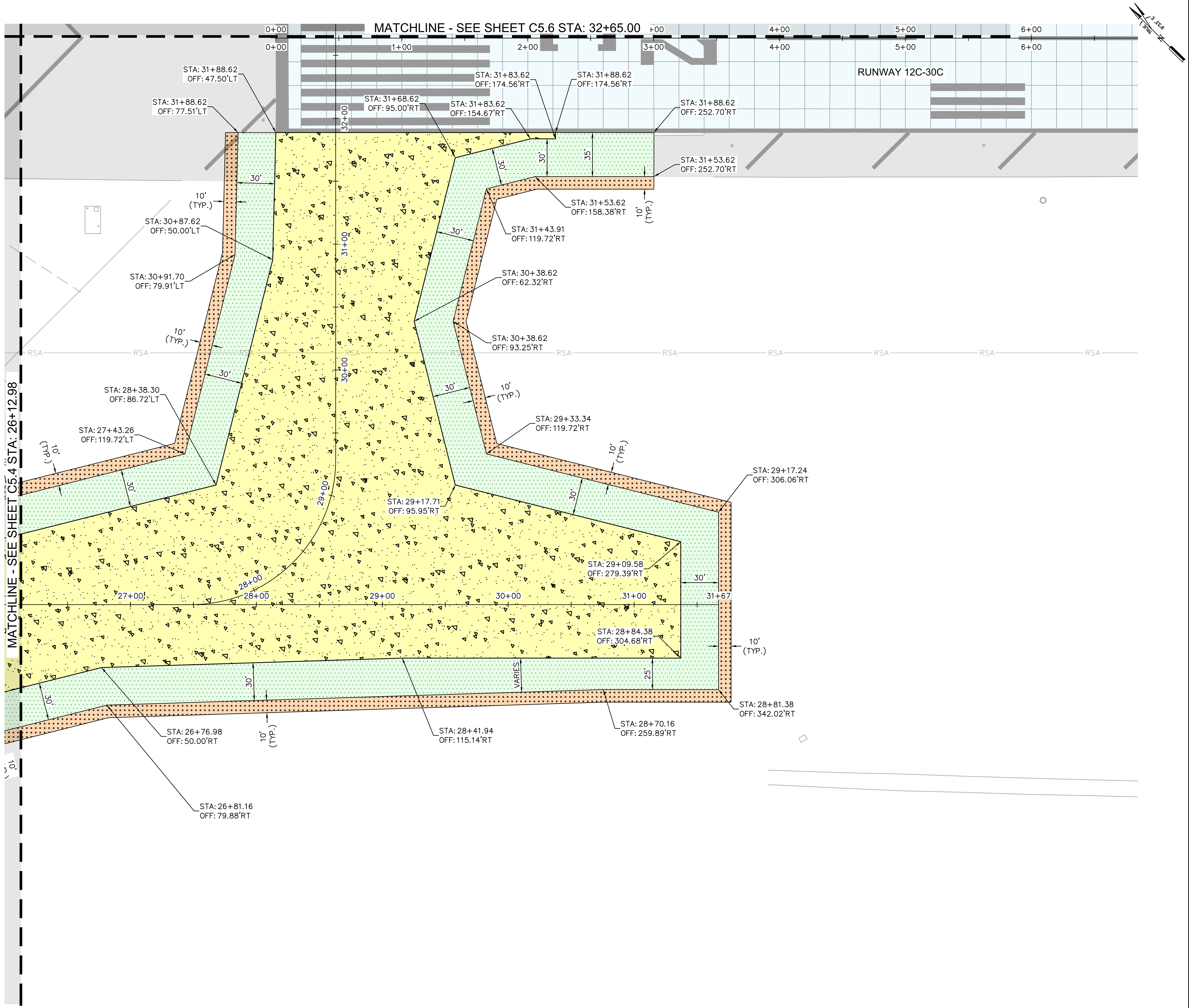
MESA GATEWAY AIRPORT
TAXIWAY G REALIGNMENT

GEOMETRIC LAYOUT PLAN
SHEET 4 OF 8

PROJECT NO. 091134073

FILE NO. 091134073 - GL

C5.4



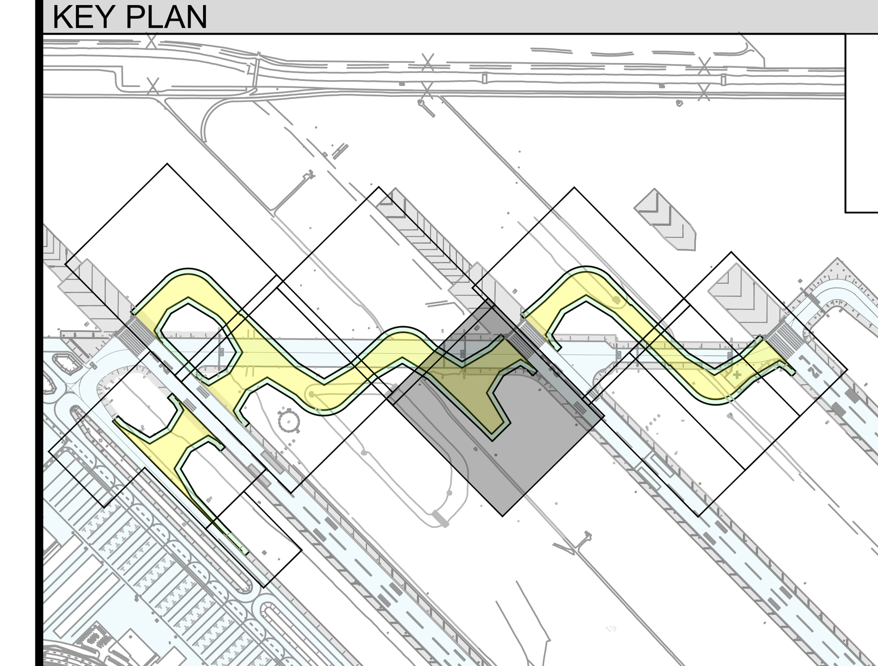
LEGEND

- PORTLAND CEMENT CONCRETE PAVEMENT (P-501)
- AC PAVEMENT SHOULDER (P-403)
- AGGREGATE BASE COURSE (P-208) (STABILIZED SHOULDER SURFACE)

GENERAL NOTES:

1. REFER TO SHEETS C4.1 THRU C4.3 FOR TYPICAL SECTIONS.
2. REFER TO SHEET C1.5 FOR HORIZONTAL AND VERTICAL CONTROL.
3. REFER TO SHEETS C6.1 THRU C6.10 FOR PLAN AND PROFILE.
4. REFER TO SHEETS C7.1 THRU C7.8 FOR PAVING ELEVATION PLAN.
5. REFER TO SHEETS C8.1 THRU C8.9 FOR GRADING AND DRAINAGE PLAN.
6. REFER TO SHEETS C9.1 THRU C9.8 FOR JOINT LAYOUT PLAN.
7. REFER TO SHEETS C10.1 THRU C10.8 FOR PAVEMENT MARKING PLAN.
8. REFER TO ELECTRICAL PLANS FOR AIRFIELD LIGHTING AND SIGNING SYSTEM.
9. ALL STATION/OFFSET LABELS REFER TO THE PROPOSED "TAXIWAY G" ALIGNMENT.

KEY PLAN



GRAPHIC SCALE

40 0 20 40 80

(IN FEET)

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NO.	REVISION	DATE	BY

FIRM'S NAME: Kimley»Horn
KIMLEY-HORN AND ASSOCIATES, INC.
2946 Riverview Auto Dr, SUITE 400
Mesa, Arizona 85210 (480) 207-2666

FIRM'S SEAL

SCALE
Horiz. 1" = 40'
Vert.
Date 11/26/2025
Designed by JMM
Drawn by BPN
Checked by NCW
Approved by JMM

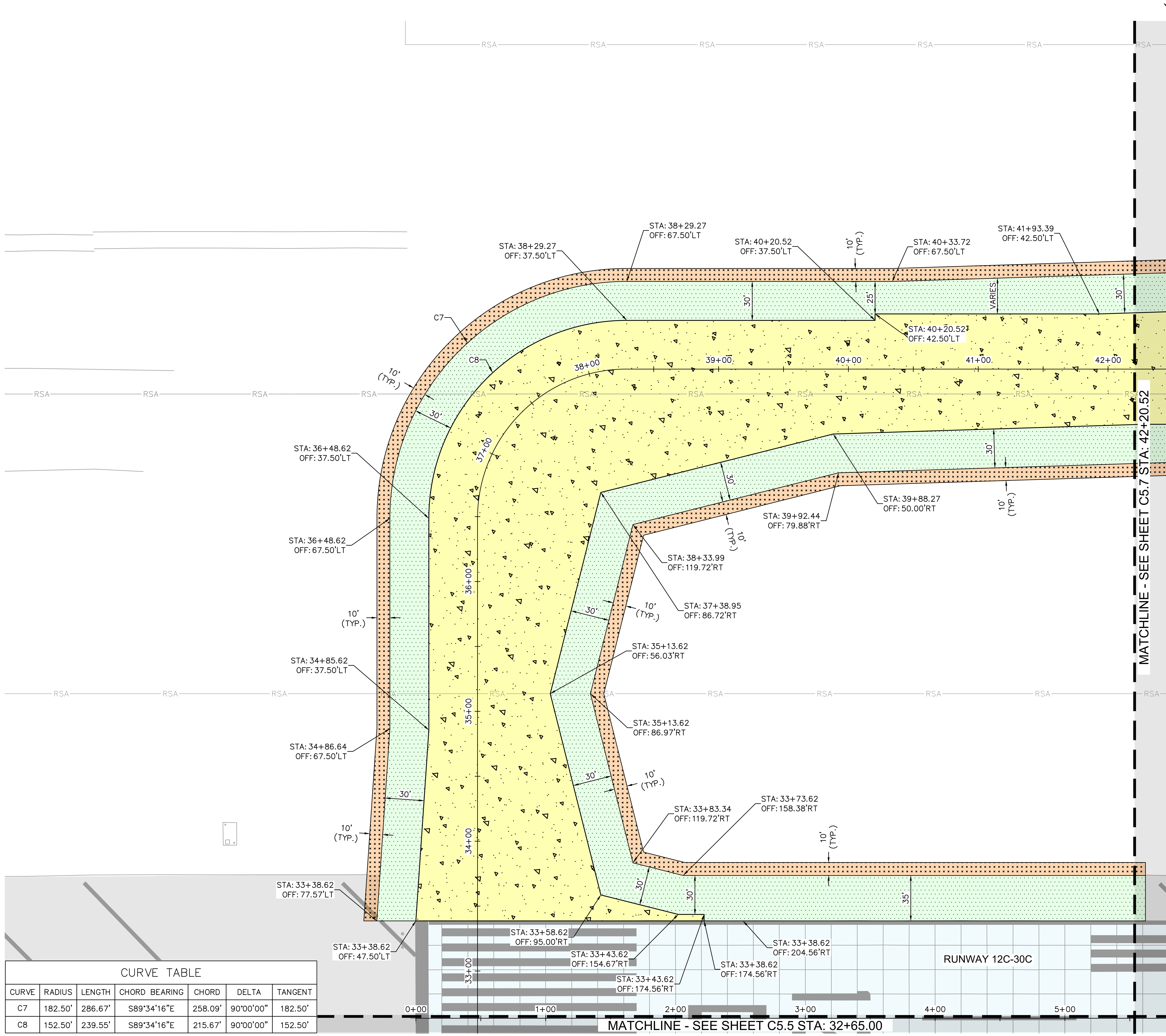
Mesa Gateway Airport
MESA GATEWAY AIRPORT AUTHORITY
5835 SOUTH SOSSAMAN ROAD
MESA, ARIZONA 85212
(480) 988-7600
GATEWAYAIRPORT.COM

PROJECT NAME
MESA GATEWAY AIRPORT
TAXIWAY G REALIGNMENT

GEOMETRIC LAYOUT PLAN
SHEET 5 OF 8

PROJECT NO. 091134073
FILE NO. 091134073 - GL

C5.5



CURVE TABLE

CURVE	RADIUS	LENGTH	CHORD BEARING	CHORD	DELTA	TANGENT
C7	182.50'	286.67'	S89°34'16"E	258.09'	90°00'00"	182.50'
C8	152.50'	239.55'	S89°34'16"E	215.67'	90°00'00"	152.50'

LEGEND

- PORTLAND CEMENT CONCRETE PAVEMENT (P-501)
- AC PAVEMENT SHOULDER (P-403)
- AGGREGATE BASE COURSE (P-208) (STABILIZED SHOULDER SURFACE)

GENERAL NOTES:

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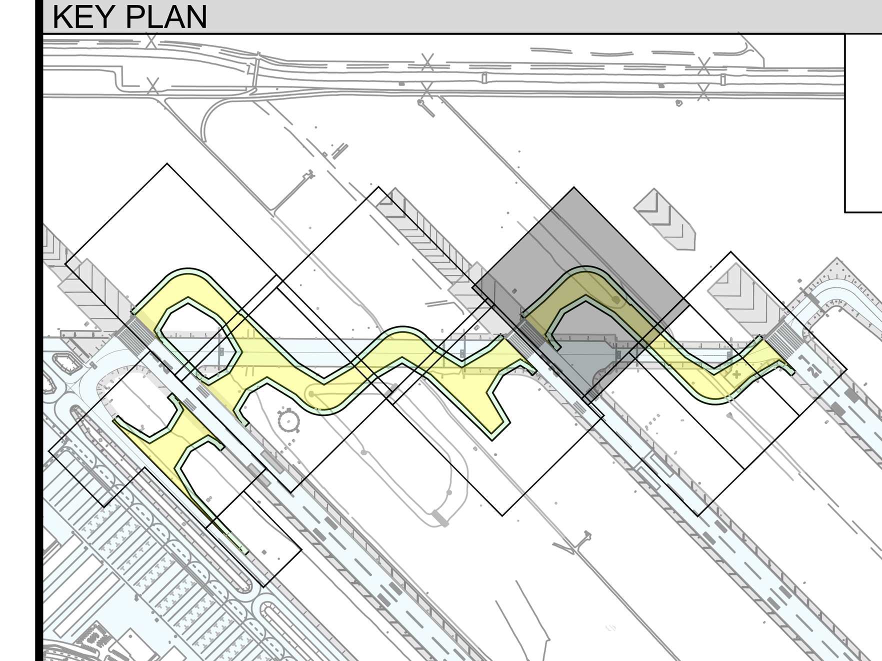
2. REFER TO SHEET C1.5 FOR HORIZONTAL AND VERTICAL CONTROL.
3. REFER TO SHEETS C6.1 THRU C6.10 FOR PLAN AND PROFILE.
4. REFER TO SHEETS C7.1 THRU C7.8 FOR PAVING ELEVATION PLAN.
5. REFER TO SHEETS C8.1 THRU C8.9 FOR GRADING AND DRAINAGE PLAN.
6. REFER TO SHEETS C9.1 THRU C9.8 FOR JOINT LAYOUT PLAN.
7. REFER TO SHEETS C10.1 THRU C10.8 FOR PAVEMENT MARKING PLAN.
8. REFER TO ELECTRICAL PLANS FOR AIRFIELD LIGHTING AND SIGNING SYSTEM.
9. ALL STATION/OFFSET LABELS REFER TO THE PROPOSED "TAXIWAY G" ALIGNMENT.

KEY PLAN



GRAPHIC SCALE

40 0 20 40 80

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FIRM'S NAME: Kimley»Horn
KIMLEY-HORN AND ASSOCIATES, INC.
2046 Riverview Auto Dr., SUITE 400
Mesa, Arizona 85210 (480) 207-2666

FIRM'S SEAL

SCALE: Horiz. 1" = 40' Vert.

Date 11/26/2025
Designed by JMM
Drawn by BPN
Checked by NCW
Approved by JMM

Mesa Gateway Airport
MESA GATEWAY AIRPORT AUTHORITY
5835 SOUTH SOSSAMAN ROAD
MESA, ARIZONA 85212
(480) 988-7600
GATEWAYAIRPORT.COM

PROJECT NAME: MESA GATEWAY AIRPORT TAXIWAY G REALIGNMENT

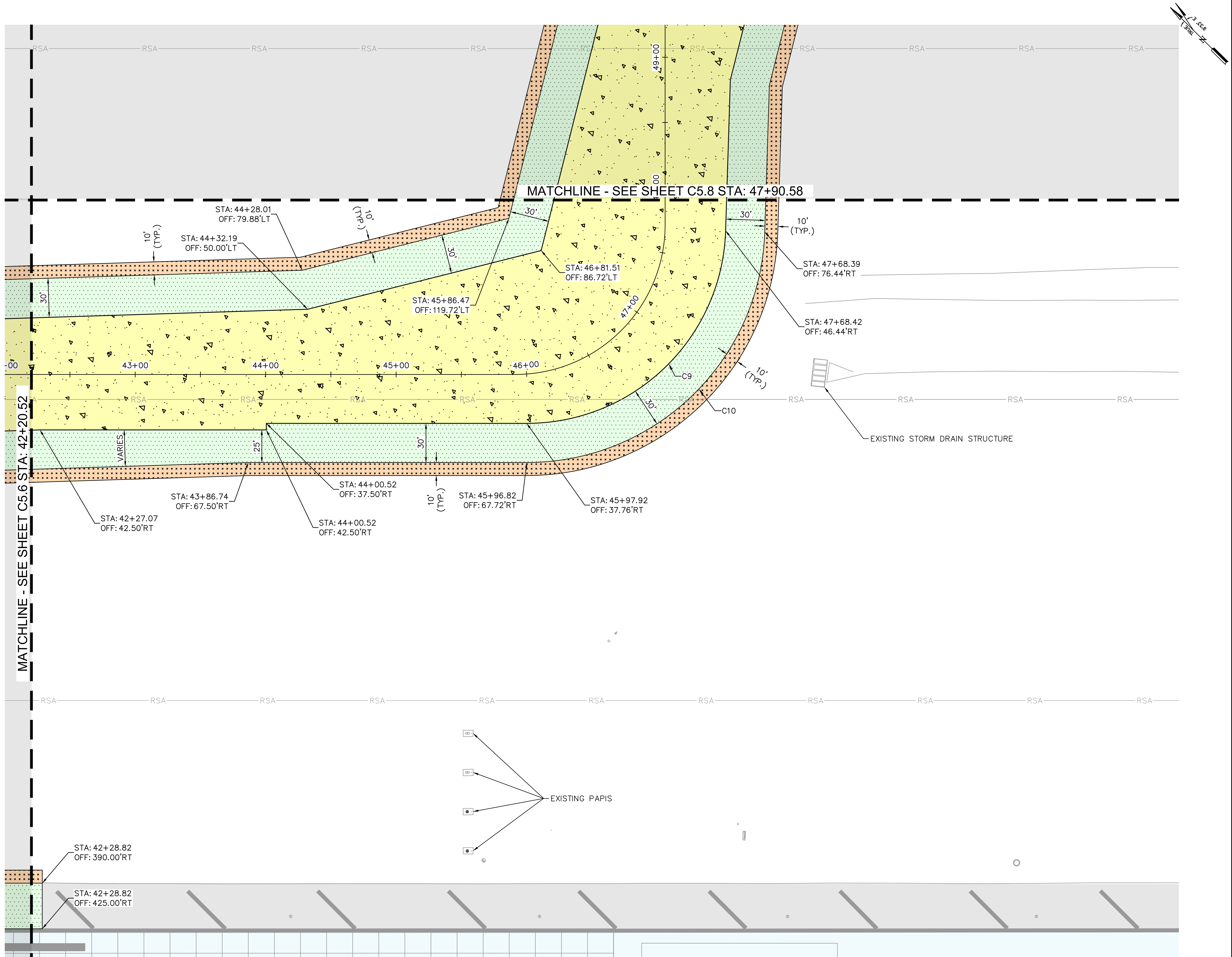
GEOMETRIC LAYOUT PLAN

SHEET 6 OF 8

PROJECT NO. 091134073

FILE NO. 091134073 - GL

C5.6



CURVE TABLE

CURVE	RADIUS	LENGTH	CHORD BEARING	CHORD	DELTA	TANGENT
C9	152.50'	234.76'	N88°40'18"W	212.26'	88°12'04"	147.79'
C10	182.50'	280.94'	N88°40'18"W	254.01'	88°12'04"	176.86'

LEGEND

- PORTLAND CEMENT CONCRETE PAVEMENT (P-501)
- AC PAVEMENT SHOULDER (P-403)
- AGGREGATE BASE COURSE (P-208) (STABILIZED SHOULDER SURFACE)

GENERAL NOTES:

1. REFER TO SHEETS C4.1 THRU C4.3 FOR TYPICAL SECTIONS.
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3. REFER TO SHEETS C6.1 THRU C6.10 FOR PLAN AND PROFILE.
4. REFER TO SHEETS C7.1 THRU C7.8 FOR PAVING ELEVATION PLAN.
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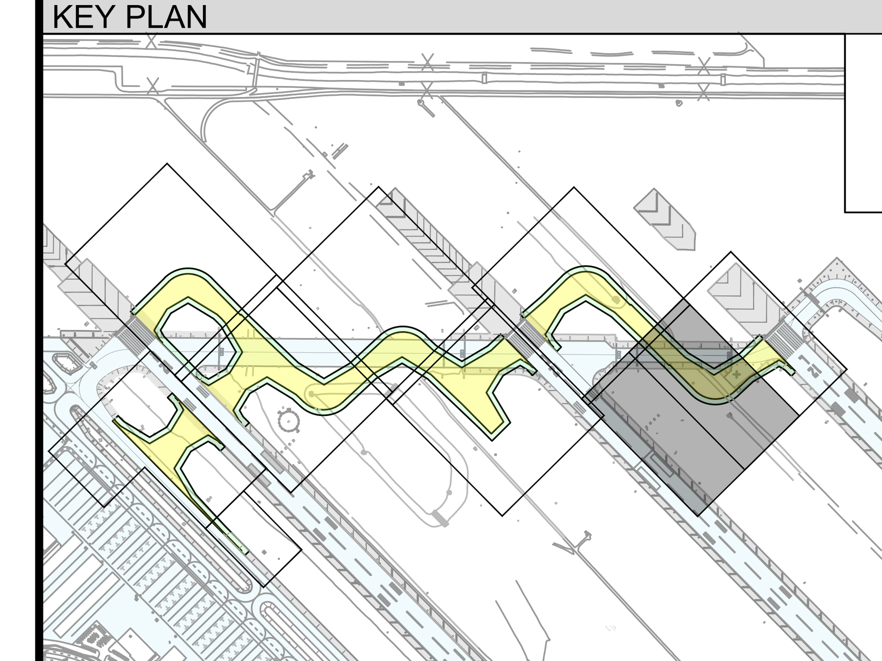
7. REFER TO SHEETS C10.1 THRU C10.8 FOR PAVEMENT MARKING PLAN.
8. REFER TO ELECTRICAL PLANS FOR AIRFIELD LIGHTING AND SIGNING SYSTEM.
9. ALL STATION/OFFSET LABELS REFER TO THE PROPOSED "TAXIWAY G" ALIGNMENT.

KEY PLAN



GRAPHIC SCALE
40 0 20 40 80
(IN FEET)

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KIMLEY-HORN AND ASSOCIATES, INC.
2046 Riverview Auto Dr., SUITE 400
Mesa, Arizona 85210 (480) 207-2666

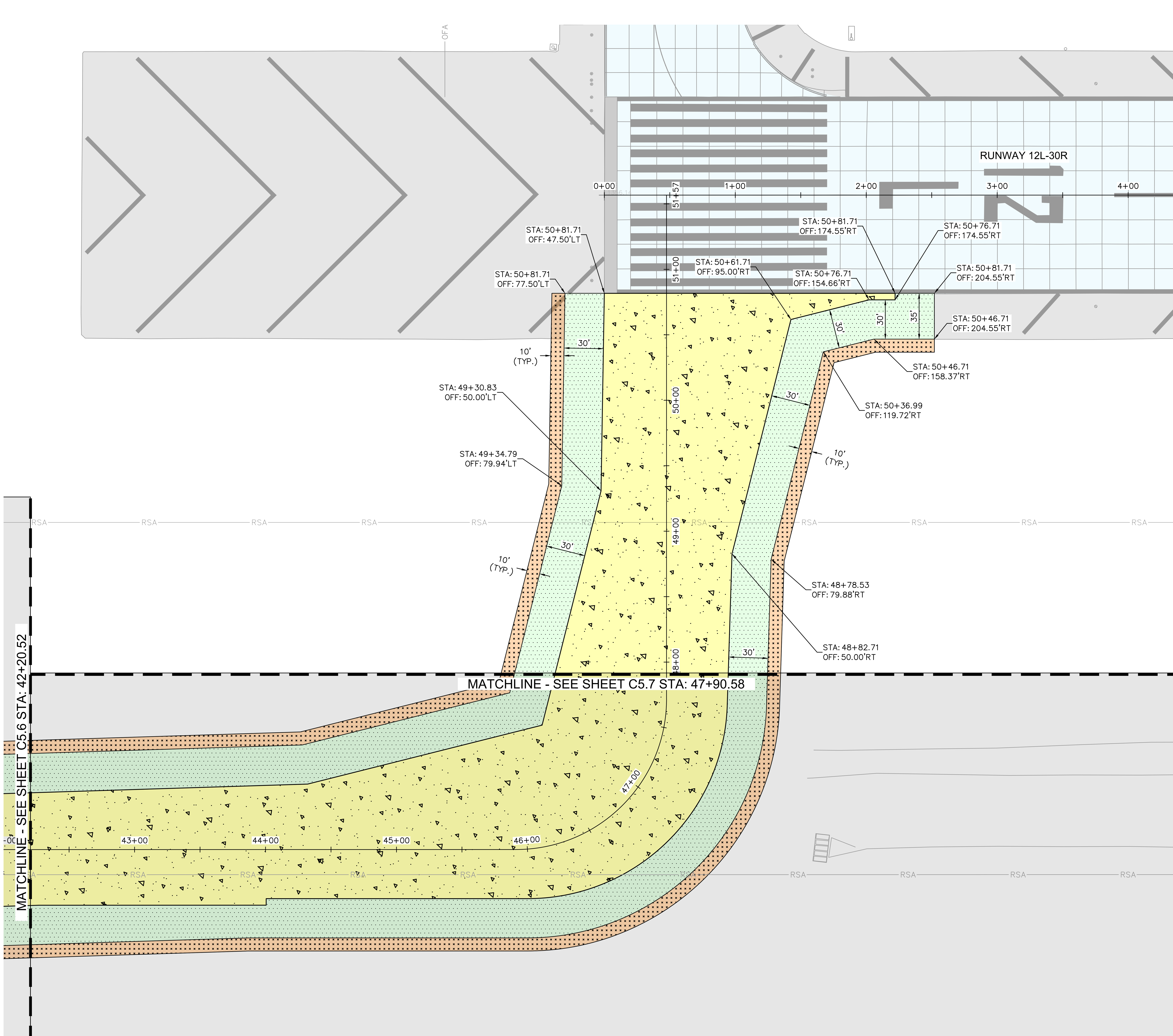
FIRM'S SEAL

SCALE
Horiz. 1" = 40'
Vert.
Date 11/26/2025
Designed by JMM
Drawn by BPN
Checked by NCW
Approved by JMM

Mesa Gateway Airport
MESA GATEWAY AIRPORT AUTHORITY
5835 SOUTH SOSSAMAN ROAD
MESA, ARIZONA 85212
(480) 988-7600
GATEWAYAIRPORT.COM

PROJECT NAME
MESA GATEWAY AIRPORT
TAXIWAY G REALIGNMENT
GEOMETRIC LAYOUT PLAN
SHEET 7 OF 8

PROJECT NO. 091134073
FILE NO. 091134073 - GL
C5.7
SHEET 35 of 153



LEGEND

- PORTLAND CEMENT CONCRETE PAVEMENT (P-501)
- AC PAVEMENT SHOULDER (P-403)
- AGGREGATE BASE COURSE (P-208) (STABILIZED SHOULDER SURFACE)

GENERAL NOTES:

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2. REFER TO SHEET C1.5 FOR HORIZONTAL AND VERTICAL CONTROL.
3. REFER TO SHEETS C6.1 THRU C6.10 FOR PLAN AND PROFILE.
4. REFER TO SHEETS C7.1 THRU C7.8 FOR PAVING ELEVATION PLAN.
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6. REFER TO SHEETS C9.1 THRU C9.8 FOR JOINT LAYOUT PLAN.
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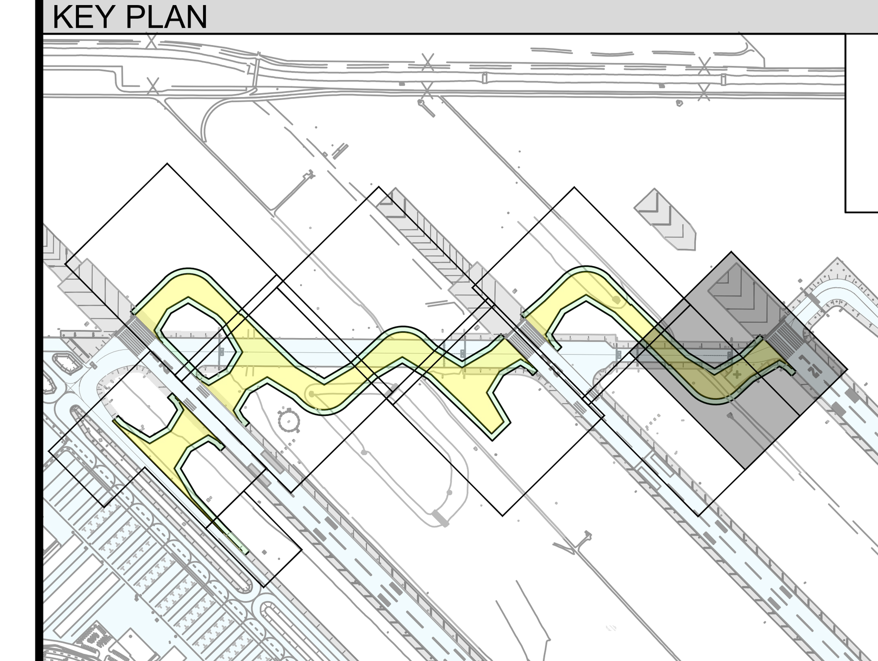
8. REFER TO ELECTRICAL PLANS FOR AIRFIELD LIGHTING AND SIGNING SYSTEM.
9. ALL STATION/OFFSET LABELS REFER TO THE PROPOSED "TAXIWAY G" ALIGNMENT.

KEY PLAN



GRAPHIC SCALE

40 0 20 40 80

(IN FEET)

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2046 Riverview Auto Dr, SUITE 400
Mesa, Arizona 85210 (480) 207-2666

FIRM'S SEAL

SCALE
Horiz. 1" = 40'
Vert.

Date 11/26/2025
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Mesa Gateway Airport

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5835 SOUTH SOSSAMAN ROAD
MESA, ARIZONA 85212
(480) 988-7600
GATEWAYAIRPORT.COM

PROJECT NAME
MESA GATEWAY AIRPORT
TAXIWAY G REALIGNMENT

GEOMETRIC LAYOUT PLAN

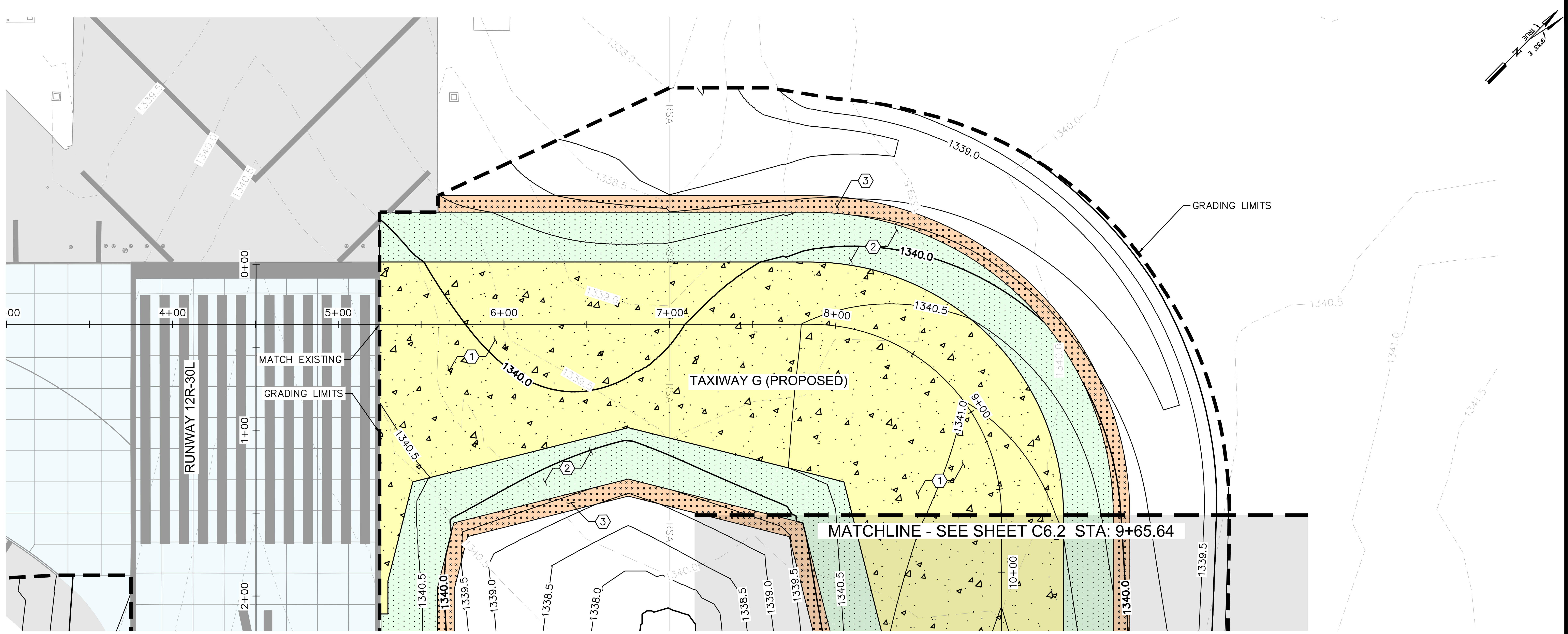
SHEET 8 OF 8

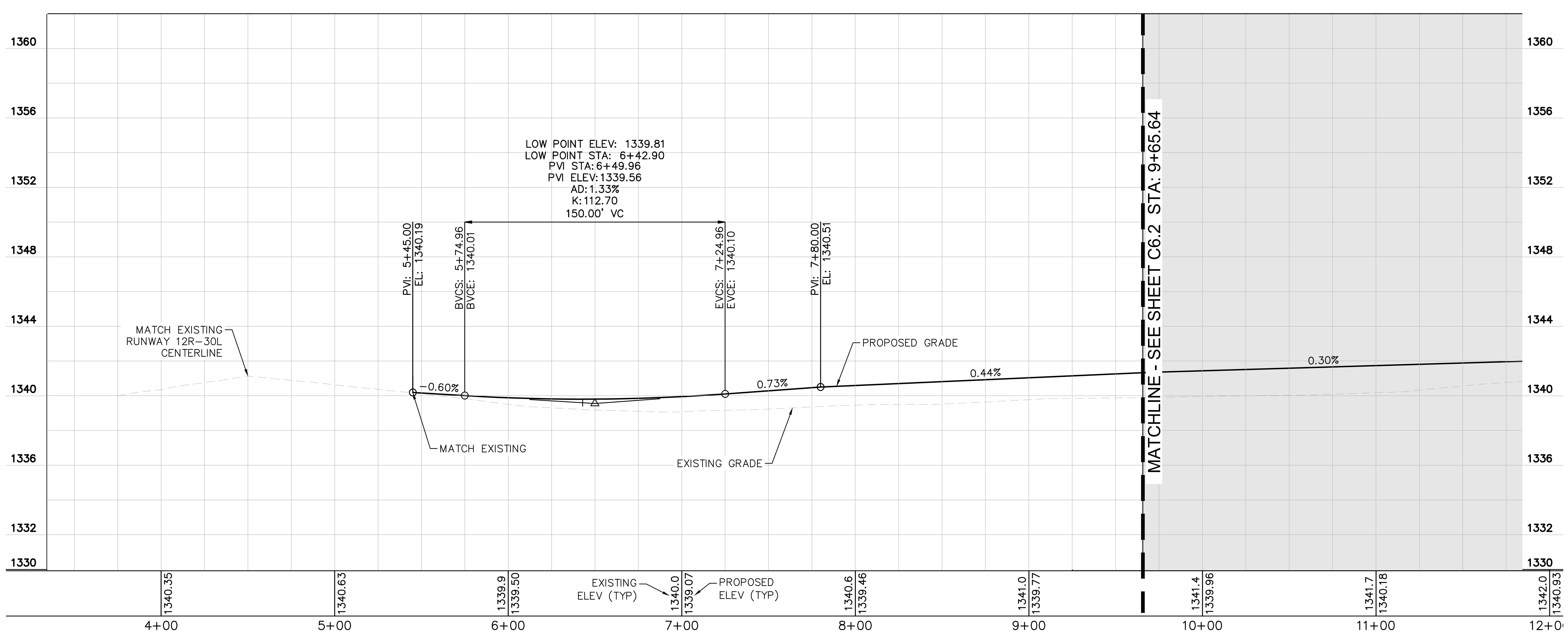
PROJECT NO. 091134073

FILE NO. 091134073 - GL

C5.8

SHEET 36 of 153





LEGEND

- PORTLAND CEMENT CONCRETE PAVEMENT (P-501)
- AC PAVEMENT SHOULDER (P-403)
- AGGREGATE BASE COURSE (P-208) (STABILIZED SHOULDER SURFACE)
- FLOW LINE
- GRADING LIMITS

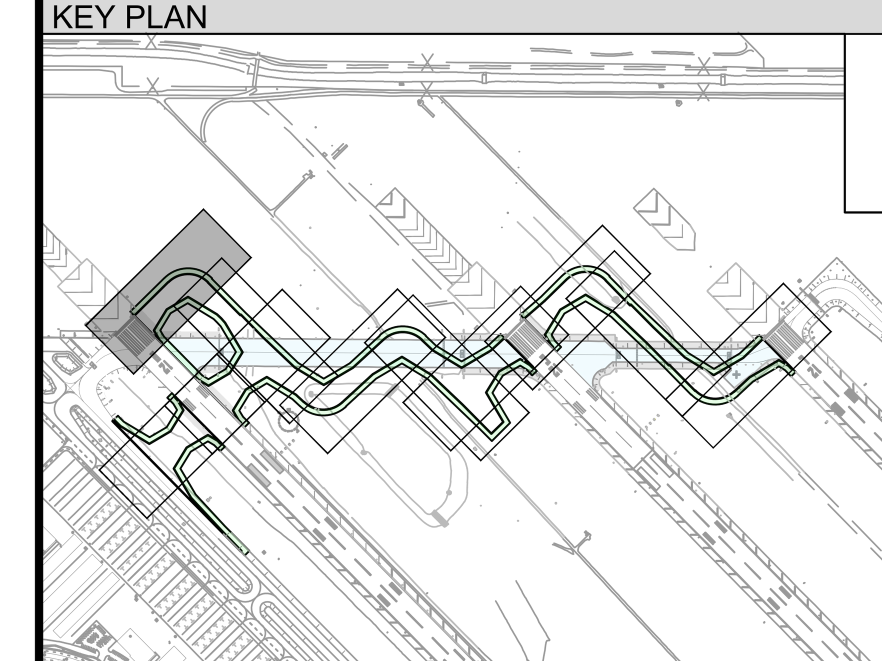
GENERAL NOTES:

1. ALL STATION/OFFSET LABELS REFER TO THE PROPOSED "TAXIWAY G" ALIGNMENT.
2. SEE SHEET C1.5 FOR CENTERLINE ALIGNMENT DEFINITION.
3. REFER TO SHEET C4.1 THRU C4.3 FOR TYPICAL SECTIONS.
4. REFER TO SHEETS C5.1 THRU C5.8 FOR GEOMETRIC LAYOUT.
5. REFER TO ELECTRICAL PLAN SHEETS FOR AIRFIELD LIGHTING.

CONSTRUCTION NOTES

1. PCC PAVEMENT
2. ASPHALT SHOULDER PAVEMENT
3. STABILIZED SHOULDER SURFACE

KEY PLAN



GRAPHIC SCALE

40 0 20 40 80

(IN FEET)

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2046 Riverview Auto Dr, SUITE 400
Mesa, Arizona 85210 (480) 207-2666

FIRM'S SEAL

SCALE
Horiz. 1" = 40'
Vert.

Date 11/26/2025
Designed by JMM
Drawn by BPN
Checked by NCW
Approved by JMM

Mesa Gateway Airport
MESA GATEWAY AIRPORT AUTHORITY
5835 SOUTH SOSSAMAN ROAD
MESA, ARIZONA 85212
(480) 988-7600
GATEWAYAIRPORT.COM

PROJECT NAME

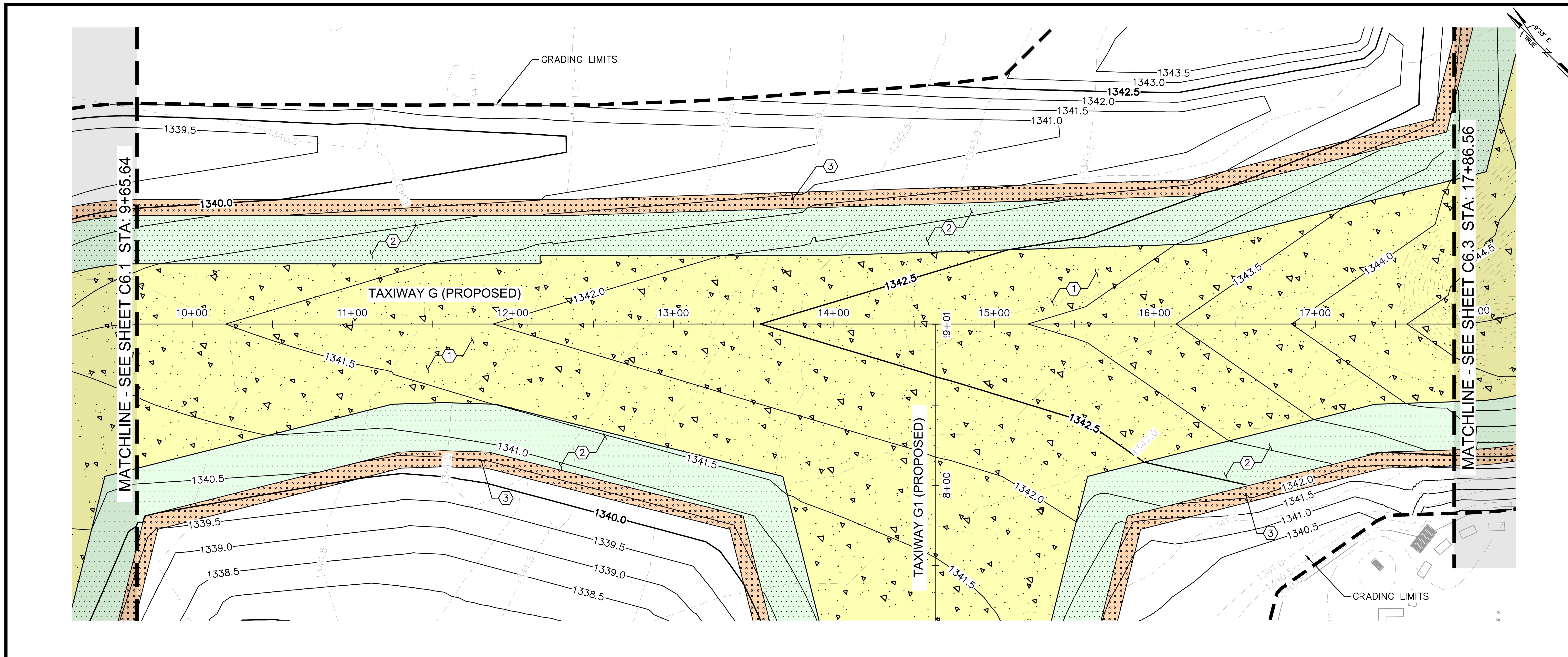
MESA GATEWAY AIRPORT
TAXIWAY G REALIGNMENT

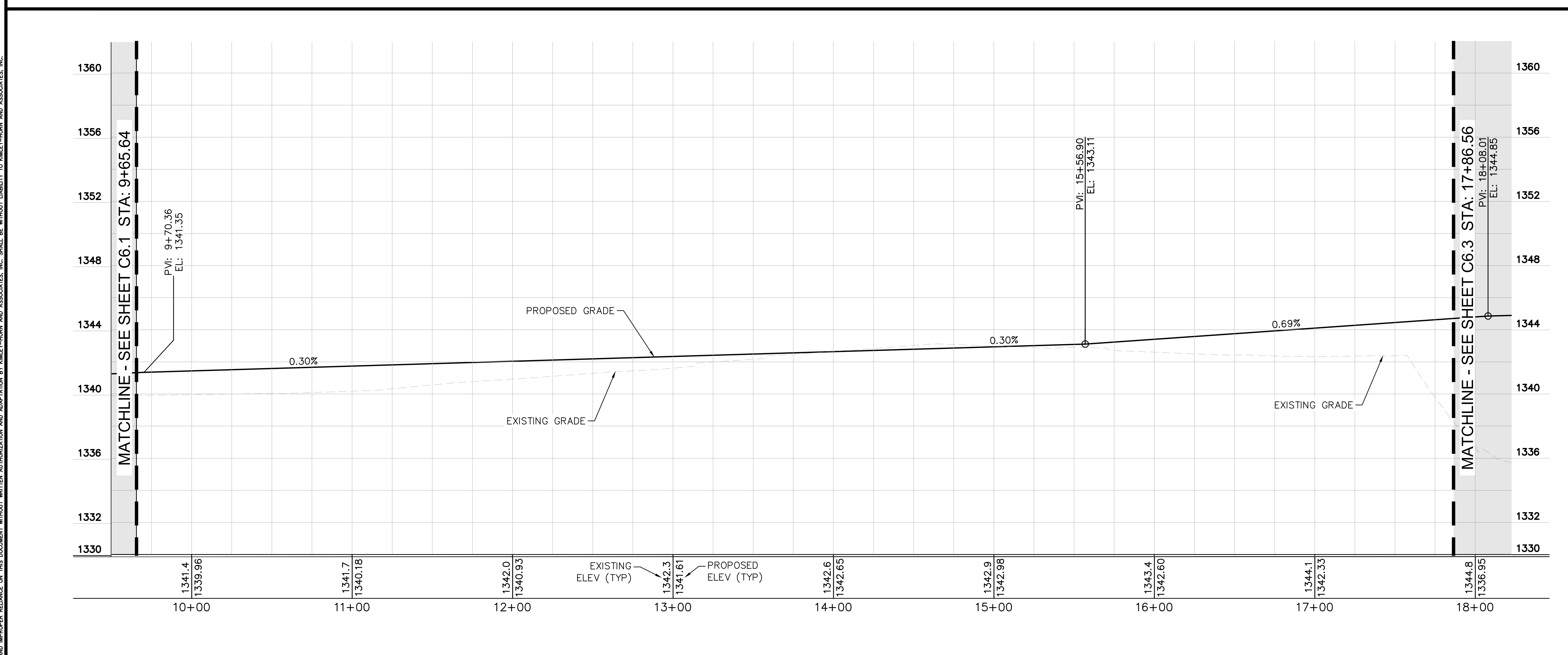
PLAN AND PROFILE - TAXIWAY G STA 5+45.00 TO 9+65.64

PROJECT NO. 091134073

FILE NO. 091134073 - PP

C6.1





LEGEND

- PORTLAND CEMENT CONCRETE PAVEMENT (P-501)
- AC PAVEMENT SHOULDER (P-403)
- AGGREGATE BASE COURSE (P-208) (STABILIZED SHOULDER SURFACE)
- FLOW LINE
- GRADING LIMITS

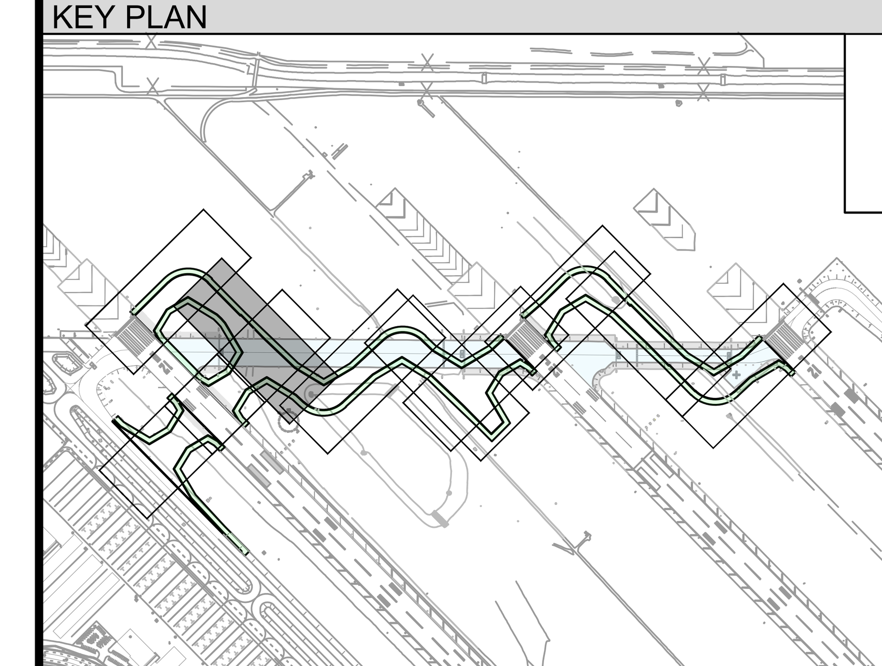
GENERAL NOTES:

1. ALL STATION/OFFSET LABELS REFER TO THE PROPOSED "TAXIWAY G" ALIGNMENT.
2. SEE SHEET C1.5 FOR CENTERLINE ALIGNMENT DEFINITION.
3. REFER TO SHEET C4.1 THRU C4.3 FOR TYPICAL SECTIONS.
4. REFER TO SHEETS C5.1 THRU C5.8 FOR GEOMETRIC LAYOUT.
5. REFER TO ELECTRICAL PLAN SHEETS FOR AIRFIELD LIGHTING.

CONSTRUCTION NOTES

1. PCC PAVEMENT
2. ASPHALT SHOULDER PAVEMENT
3. STABILIZED SHOULDER SURFACE

KEY PLAN



GRAPHIC SCALE

40 0 20 40 80

(IN FEET)

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FIRM'S SEAL

SCALE
Horiz. 1" = 40'
Vert. —

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Approved by JMM

Mesa Gateway Airport

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MESA, ARIZONA 85212
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GATEWAYAIRPORT.COM

PROJECT NAME

MESA GATEWAY AIRPORT
TAXIWAY G REALIGNMENT

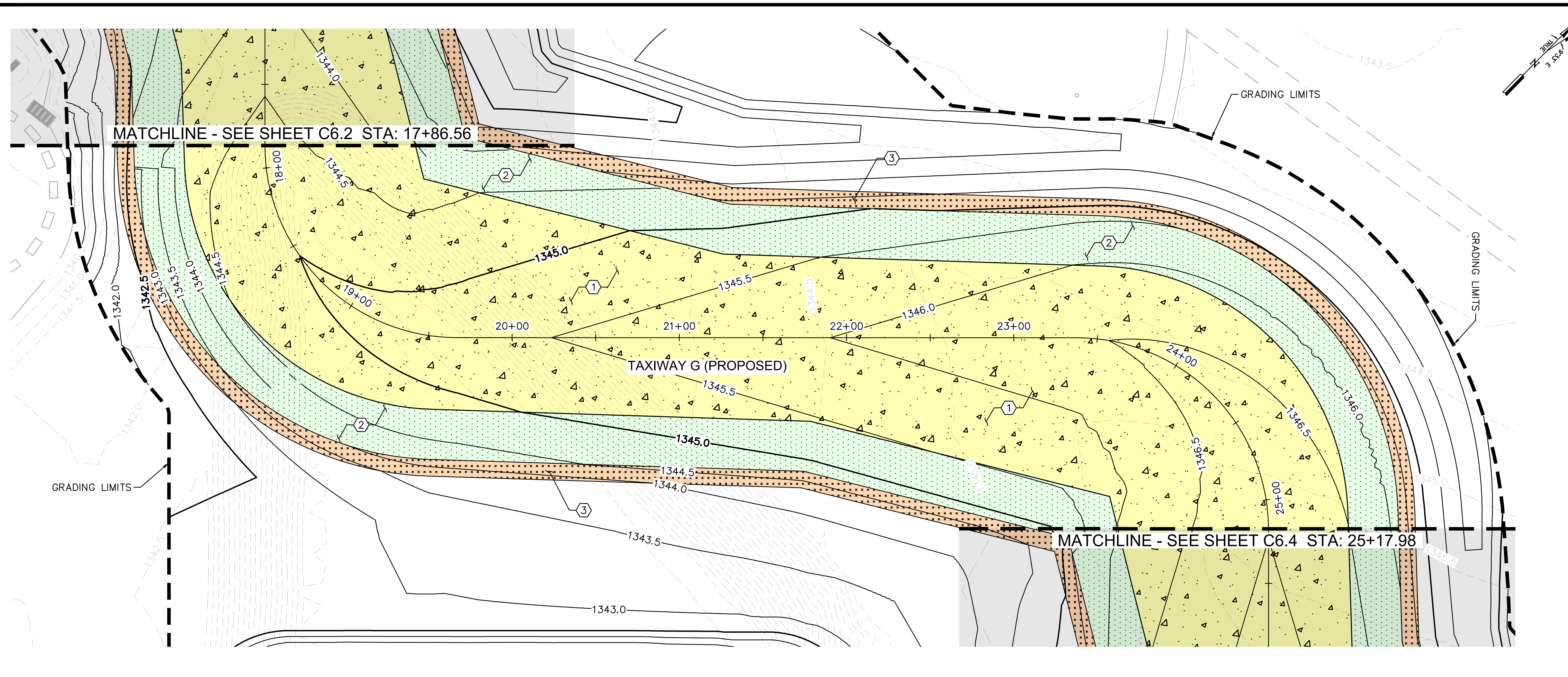
PLAN AND PROFILE - TAXIWAY G
STA 9+65.64 TO 17+86.56

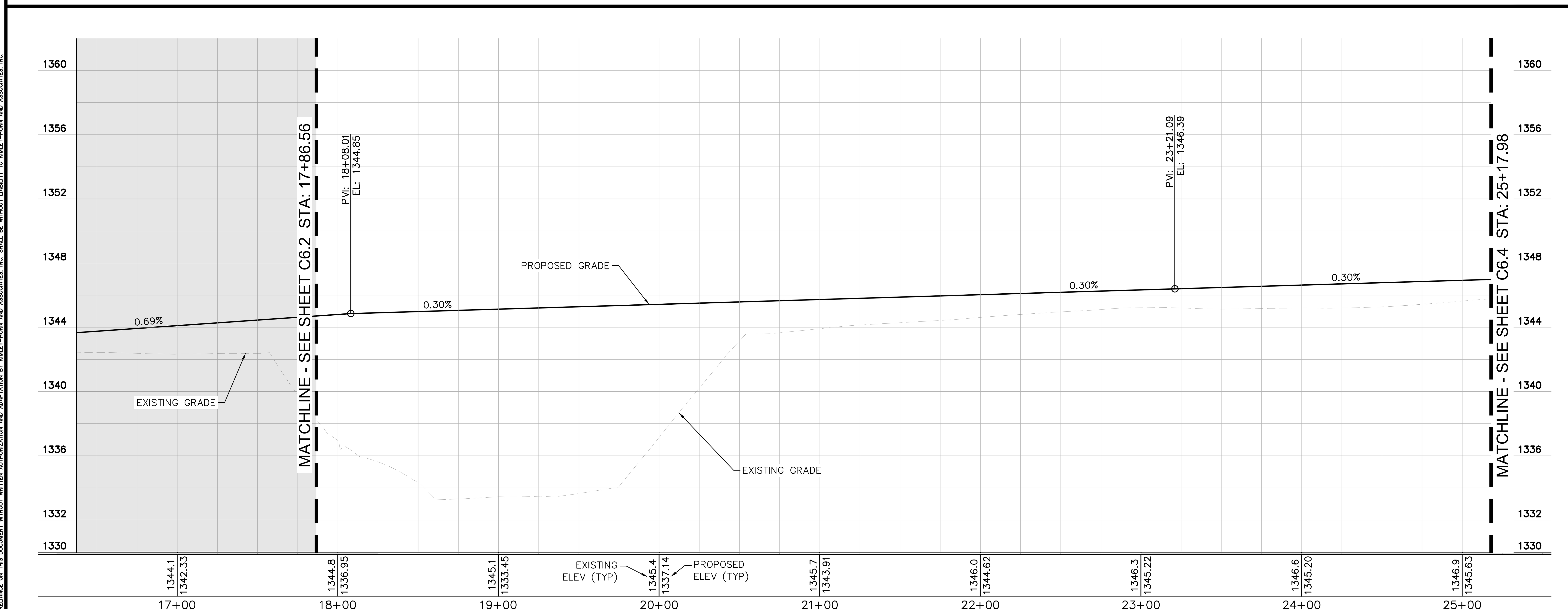
PROJECT NO. 091134073

FILE NO. 091134073 - PP

C6.2

SHEET 38 of 153





LEGEND

- PORTLAND CEMENT CONCRETE PAVEMENT (P-501)
- AC PAVEMENT SHOULDER (P-403)
- AGGREGATE BASE COURSE (P-208) (STABILIZED SHOULDER SURFACE)
- FLOW LINE
- GRADING LIMITS

GENERAL NOTES:

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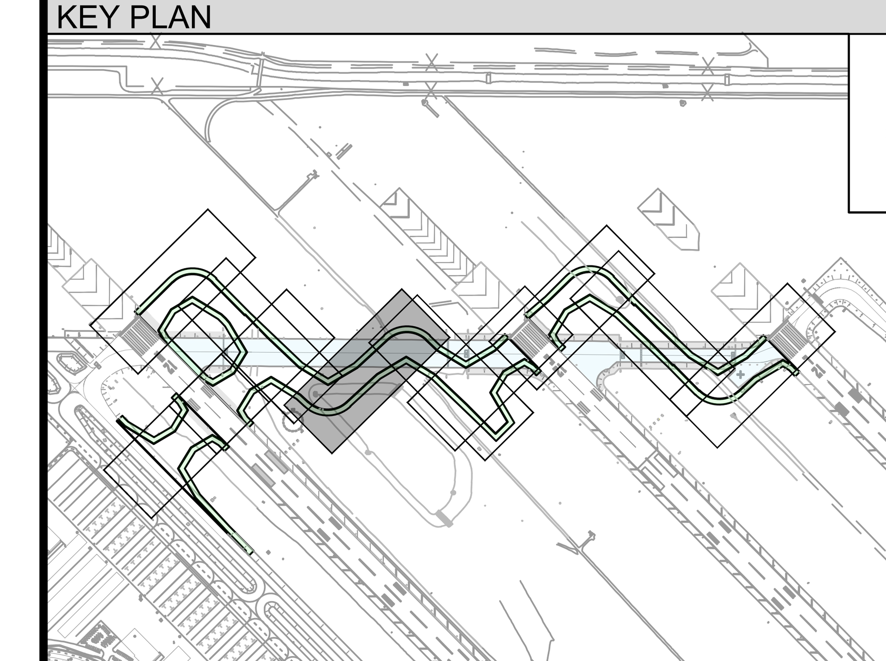
2. SEE SHEET C1.5 FOR CENTERLINE ALIGNMENT DEFINITION.
3. REFER TO SHEET C4.1 THRU C4.3 FOR TYPICAL SECTIONS.
4. REFER TO SHEETS C5.1 THRU C5.8 FOR GEOMETRIC LAYOUT.
5. REFER TO ELECTRICAL PLAN SHEETS FOR AIRFIELD LIGHTING.

CONSTRUCTION NOTES

1. PCC PAVEMENT
2. ASPHALT SHOULDER PAVEMENT
3. STABILIZED SHOULDER SURFACE

KEY PLAN



GRAPHIC SCALE

40 0 20 40 80

(IN FEET)

Call at least two full working days before you begin excavation. ARIZONA 811

PLANS TO BE PRINTED IN COLOR

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NO.	REVISION	DATE	BY

FIRM'S NAME: Kimley»Horn — KIMLEY-HORN AND ASSOCIATES, INC. 2046 Riverview Auto Dr., SUITE 400, Mesa, Arizona 85210 (480) 207-2666

FIRM'S SEAL

SCALE Horiz. 1" = 40' Vert.

Date 11/26/2025
Designed by JMM
Drawn by BPN
Checked by NCW
Approved by JMM

Mesa Gateway Airport
MESA GATEWAY AIRPORT AUTHORITY
5835 SOUTH SOSSAMAN ROAD
MESA, ARIZONA 85212
(480) 988-7600
GATEWAYAIRPORT.COM

PROJECT NAME: MESA GATEWAY AIRPORT TAXIWAY G REALIGNMENT

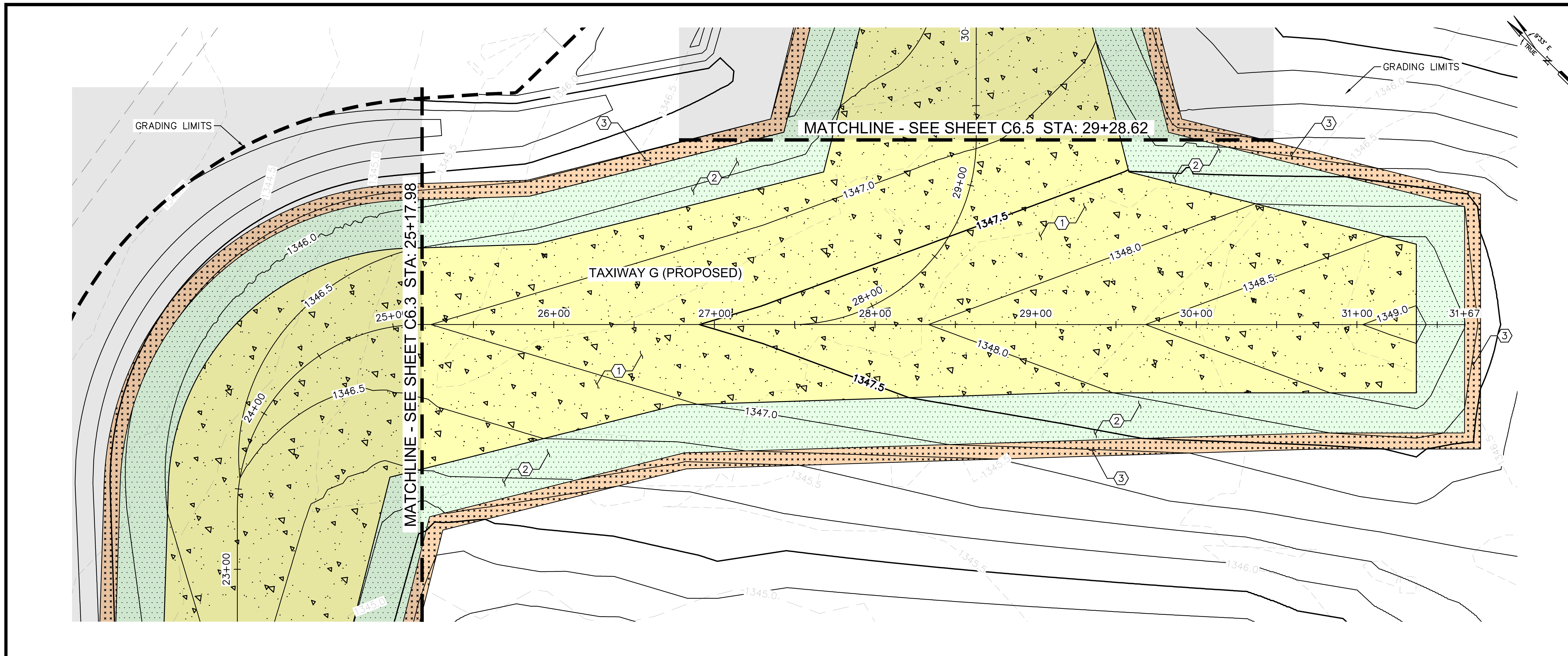
PLAN AND PROFILE - TAXIWAY G STA 17+86.56 TO 25+17.98

PROJECT NO. 091134073

FILE NO. 091134073 - PP

C6.3

SHEET 39 of 153



LEGEND

- PORTLAND CEMENT CONCRETE PAVEMENT (P-501)
- AC PAVEMENT SHOULDER (P-403)
- AGGREGATE BASE COURSE (P-208) (STABILIZED SHOULDER SURFACE)
- FLOW LINE
- GRADING LIMITS

GENERAL NOTES:

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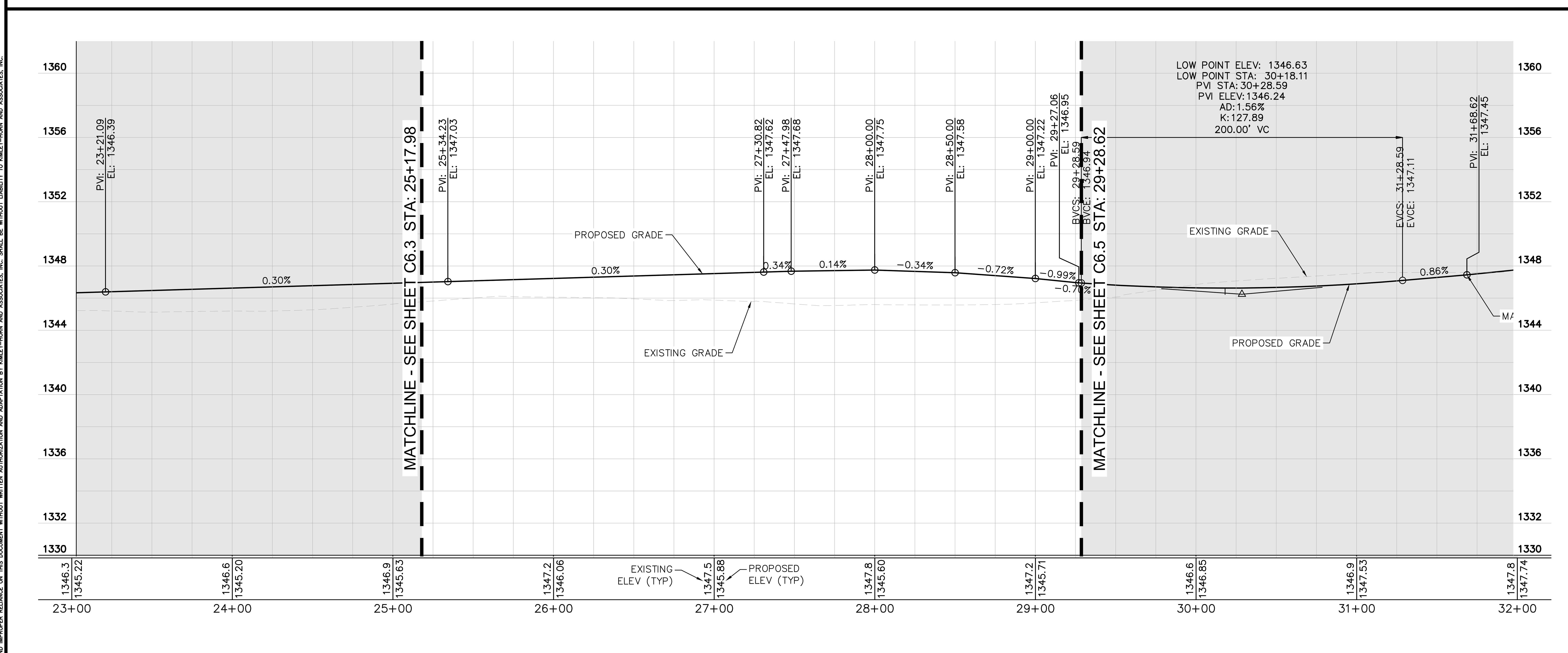
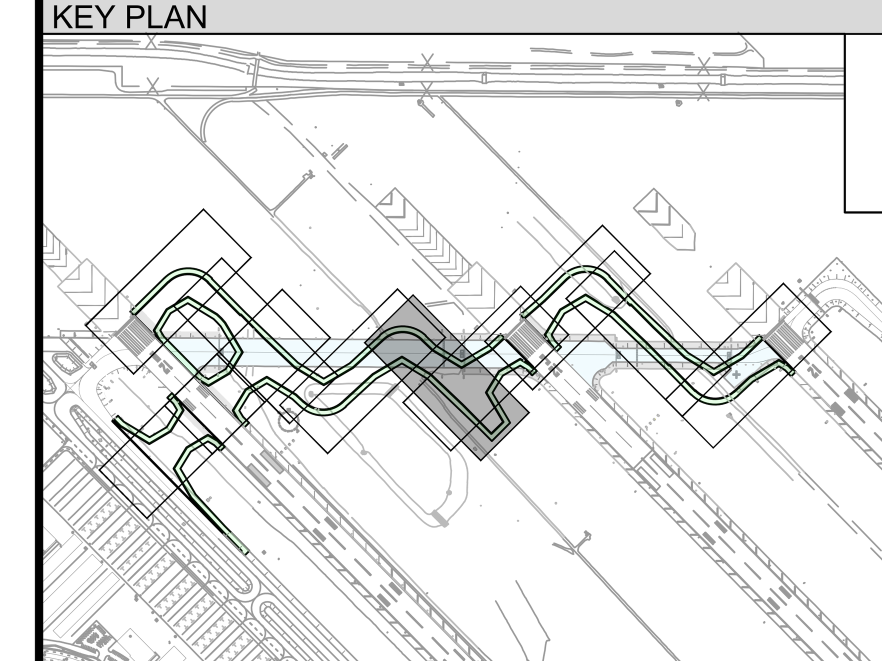
CONSTRUCTION NOTES

1. PCC PAVEMENT
2. ASPHALT SHOULDER PAVEMENT
3. STABILIZED SHOULDER SURFACE



KEY PLAN



GRAPHIC SCALE

40 0 20 40 80

(IN FEET)

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NO.	REVISION	DATE	BY

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KIMLEY-HORN AND ASSOCIATES, INC.
2046 Riverview Auto Dr., SUITE 400
Mesa, Arizona 85210 (480) 207-2666

FIRM'S SEAL

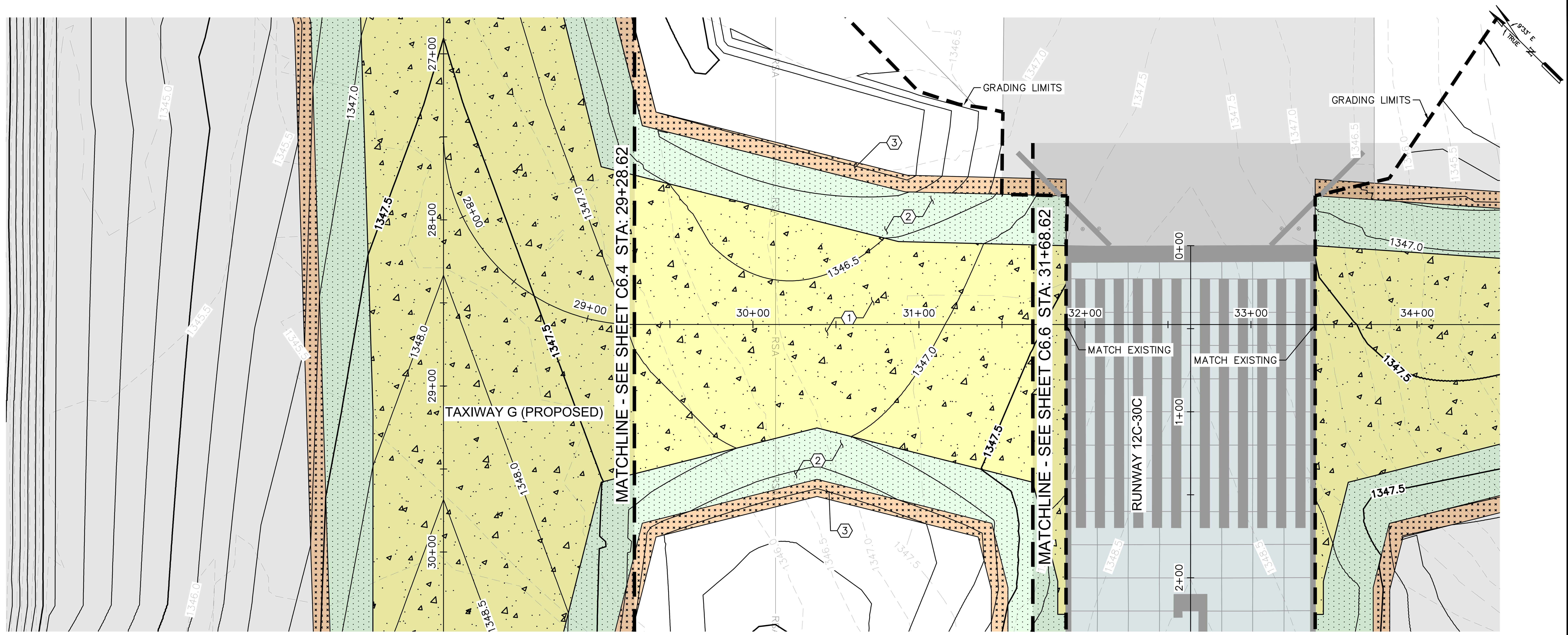
SCALE Horiz. 1" = 40' Vert.
Date 11/26/2025
Designed by JMM
Drawn by BPN
Checked by NCW
Approved by JMM

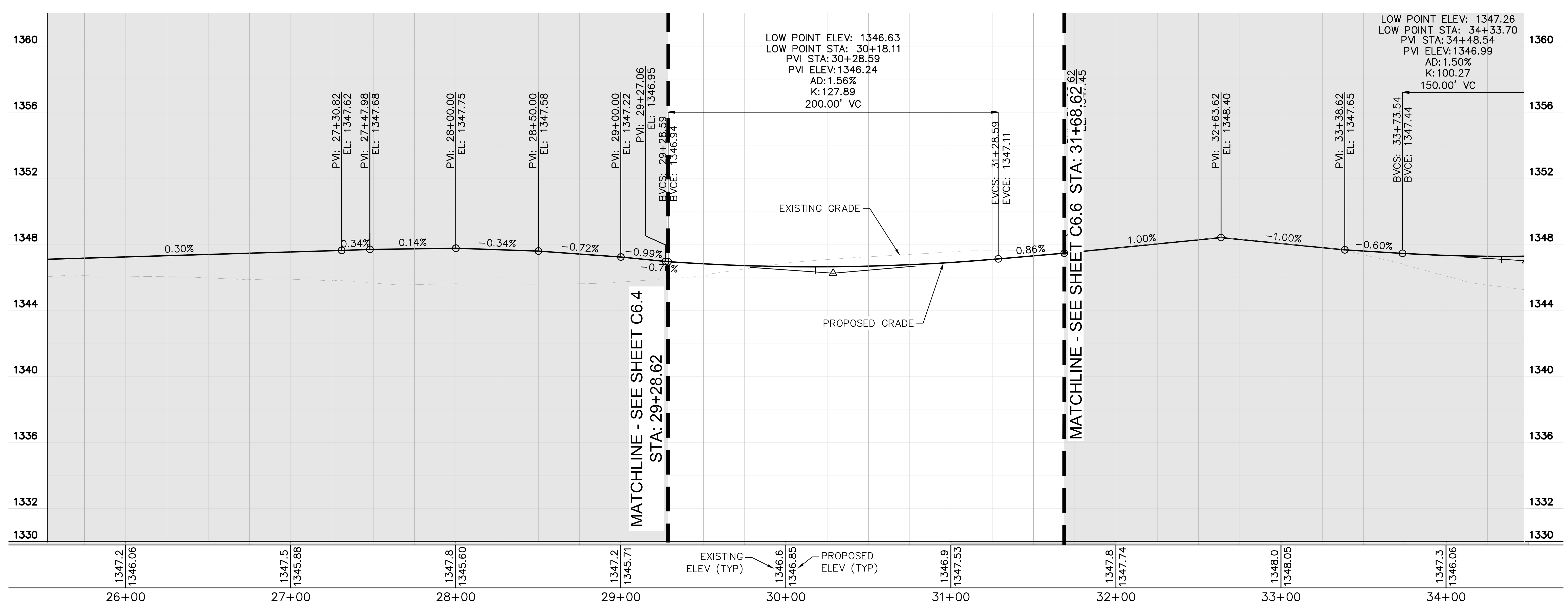
Mesa Gateway Airport
MESA GATEWAY AIRPORT AUTHORITY
5835 SOUTH SOSSAMAN ROAD
MESA, ARIZONA 85212
(480) 988-7600
GATEWAYAIRPORT.COM

PROJECT NAME
MESA GATEWAY AIRPORT
TAXIWAY G REALIGNMENT

PLAN AND PROFILE - TAXIWAY G
STA 25+17.98 TO 29+28.62

PROJECT NO. 091134073
FILE NO. 091134073 - PP
C6.4
SHEET 40 of 153





LEGEND

- PORTLAND CEMENT CONCRETE PAVEMENT (P-501)
- AC PAVEMENT SHOULDER (P-403)
- AGGREGATE BASE COURSE (P-208) (STABILIZED SHOULDER SURFACE)
- FLOW LINE
- GRADING LIMITS

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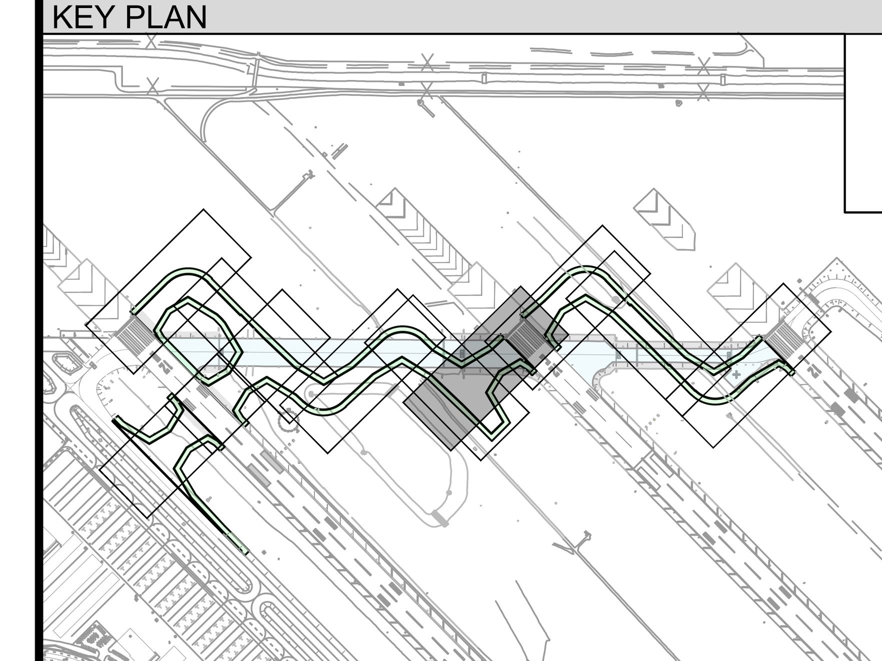
CONSTRUCTION NOTES

1. PCC PAVEMENT
2. ASPHALT SHOULDER PAVEMENT
3. STABILIZED SHOULDER SURFACE

KEY PLAN



GRAPHIC SCALE

40 0 20 40 80

(IN FEET)

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NO.	REVISION	DATE	BY

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Kimley»Horn

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2046 Riverview Auto Dr, SUITE 400
Mesa, Arizona 85210 (480) 207-2666

FIRM'S SEAL

SCALE
Horiz. 1" = 40'
Vert.

Date 11/26/2025
Designed by JMM
Drawn by BPN
Checked by NCW
Approved by JMM

Mesa Gateway Airport

MESA GATEWAY AIRPORT AUTHORITY
5835 SOUTH SOSSAMAN ROAD
MESA, ARIZONA 85212
(480) 988-7600
GATEWAYAIRPORT.COM

PROJECT NAME

MESA GATEWAY AIRPORT
TAXIWAY G REALIGNMENT

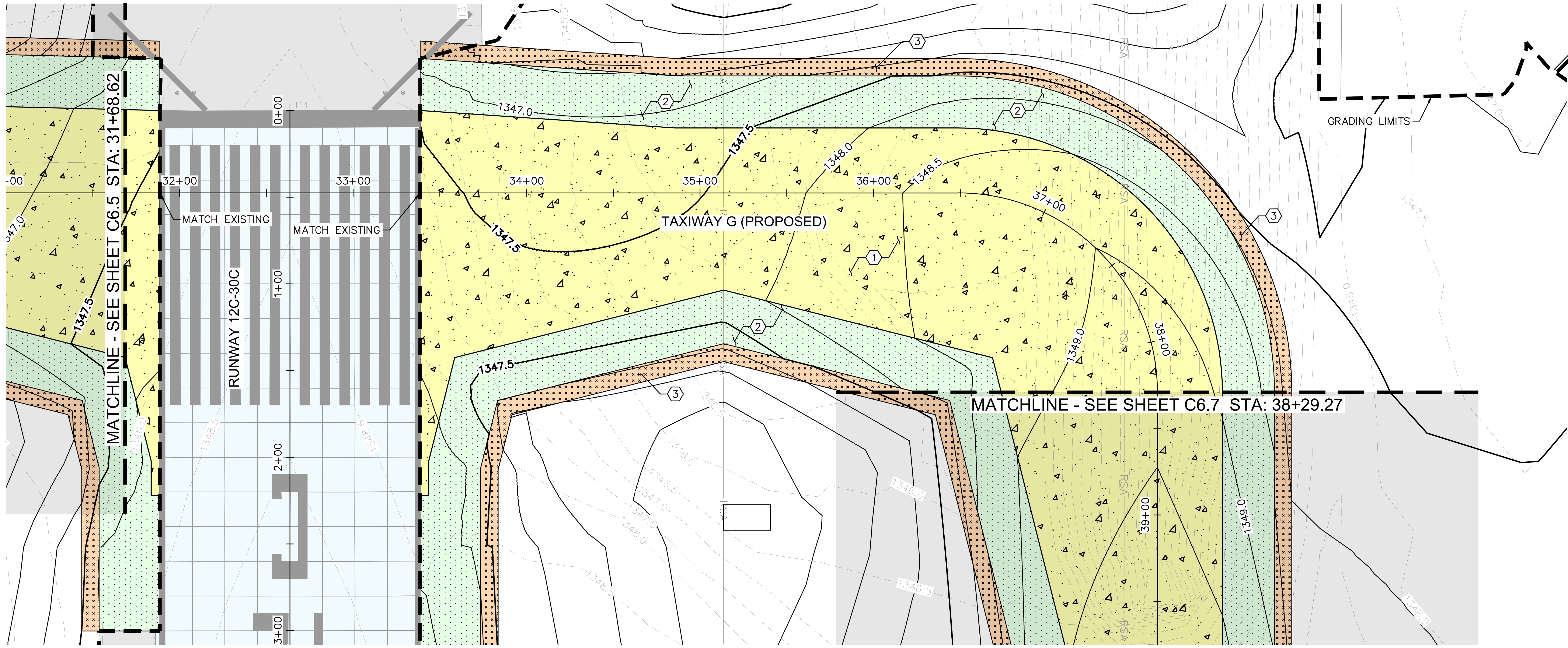
PLAN AND PROFILE - TAXIWAY G
STA 29+28.62 TO 31+68.62

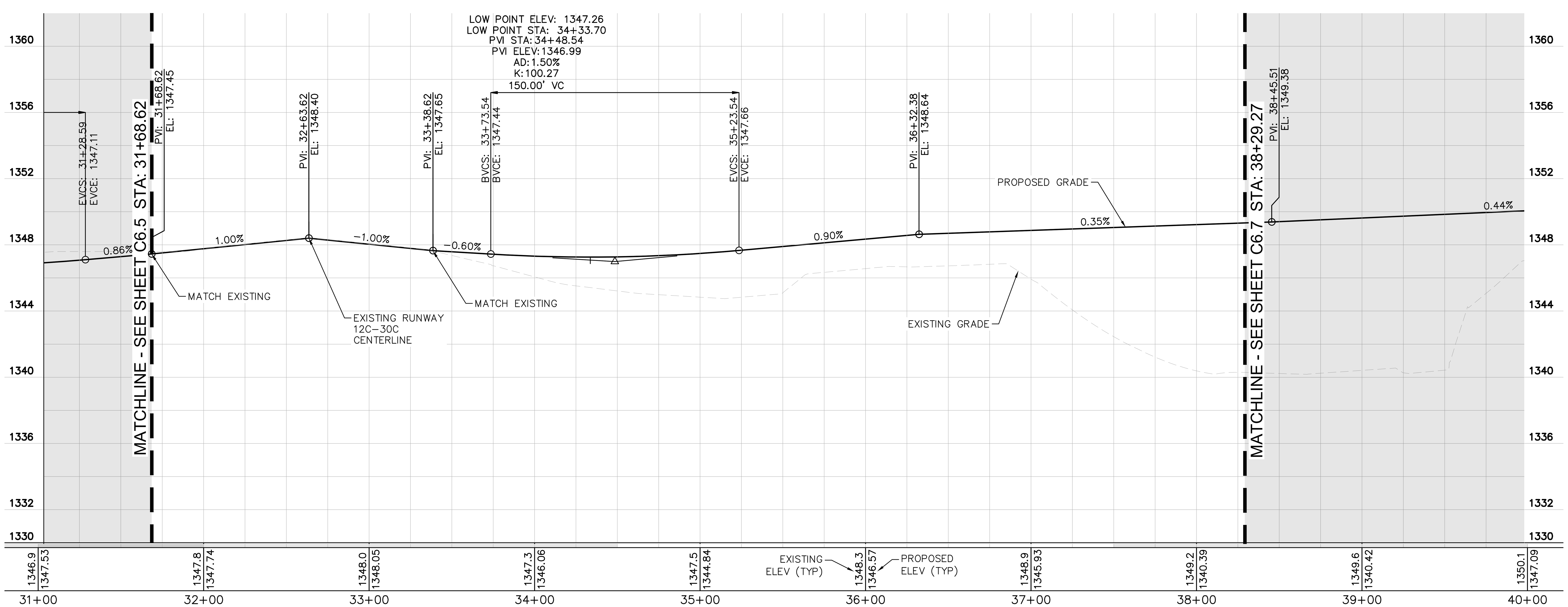
PROJECT NO. 091134073

FILE NO. 091134073 - PP

C6.5

SHEET 41 of 153





LEGEND

- PORTLAND CEMENT CONCRETE PAVEMENT (P-501)
- AC PAVEMENT SHOULDER (P-403)
- AGGREGATE BASE COURSE (P-208) (STABILIZED SHOULDER SURFACE)
- FLOW LINE
- GRADING LIMITS

GENERAL NOTES:

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4. REFER TO SHEETS C5.1 THRU C5.8 FOR GEOMETRIC LAYOUT.
5. REFER TO ELECTRICAL PLAN SHEETS FOR AIRFIELD LIGHTING.

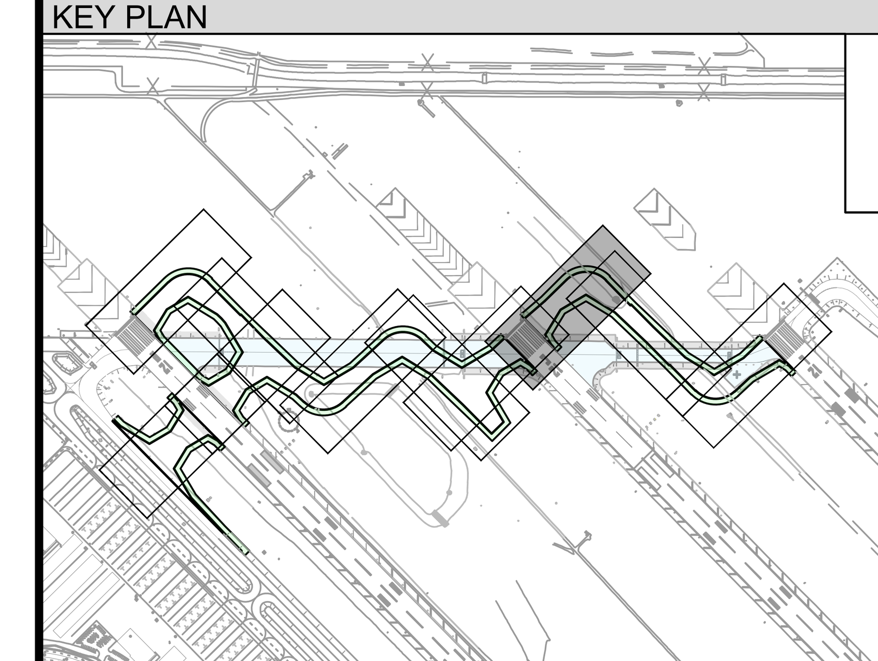
CONSTRUCTION NOTES

(1) PCC PAVEMENT

(2) ASPHALT SHOULDER PAVEMENT

(3) STABILIZED SHOULDER SURFACE

KEY PLAN



GRAPHIC SCALE

40 0 20 40 80

(IN FEET)

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In Maricopa County: (602) 263-1100

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NO.	REVISION	BY	DATE

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2046 Riverview Auto Dr, SUITE 400
Mesa, Arizona 85210 (480) 207-2666

FIRM'S SEAL

SCALE

Horiz. 1" = 40'

Vert. ____

Date 11/26/2025
Designed by JMM
Drawn by BPN
Checked by NCW
Approved by JMM

Mesa Gateway Airport

MESA GATEWAY AIRPORT AUTHORITY
5835 SOUTH SOSSAMAN ROAD
MESA, ARIZONA 85212
(480) 988-7600
GATEWAYAIRPORT.COM

PROJECT NAME

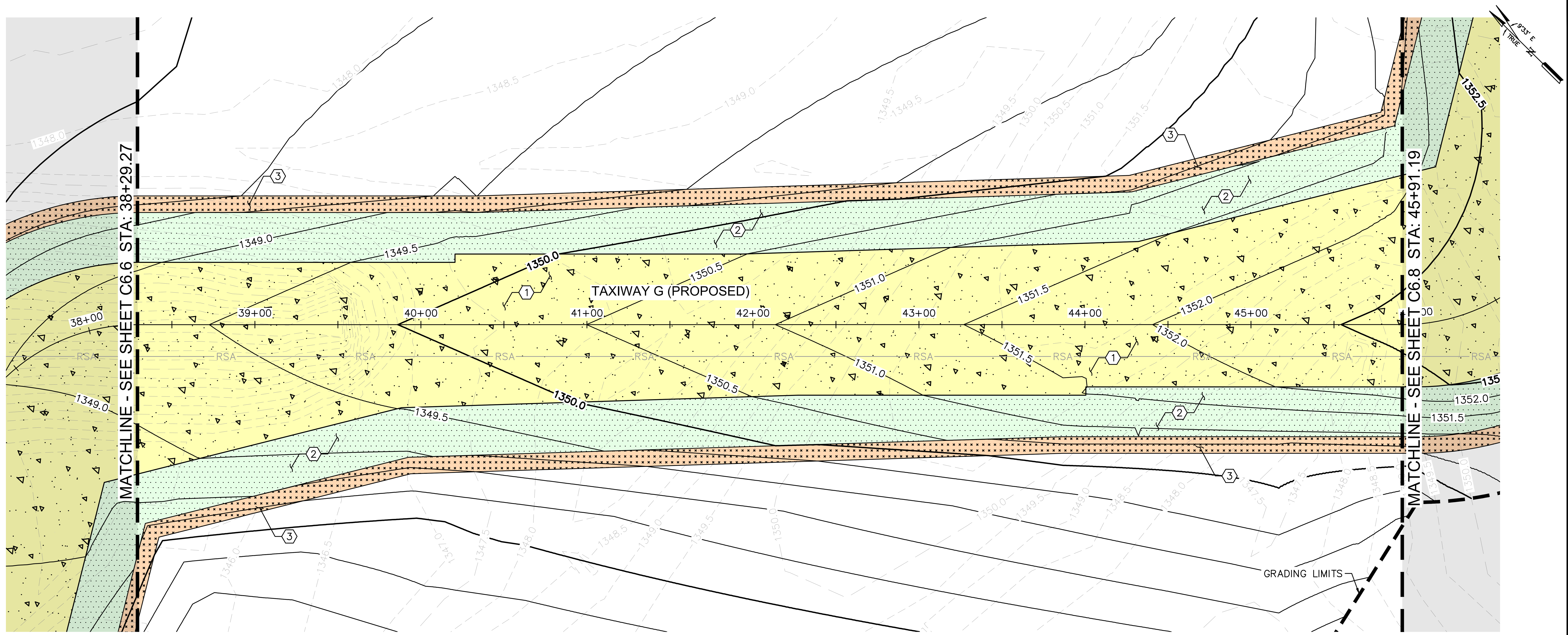
MESA GATEWAY AIRPORT
TAXIWAY G REALIGNMENT

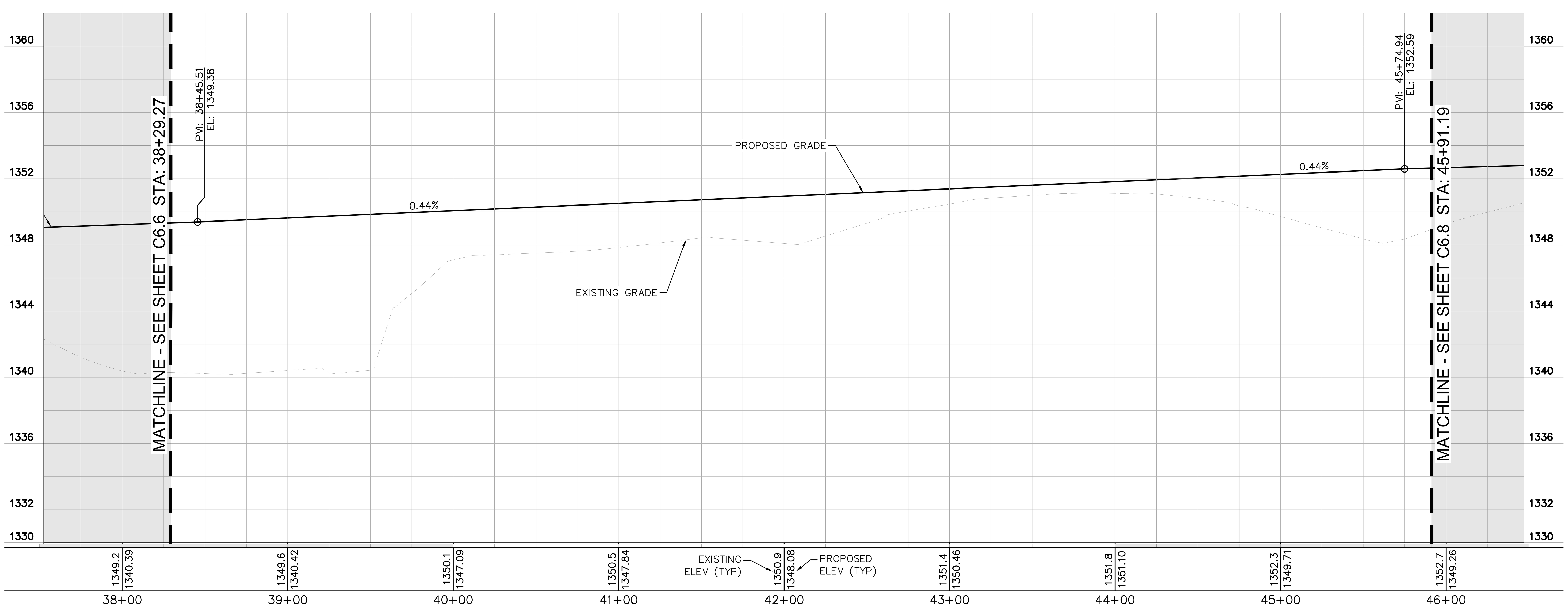
PLAN AND PROFILE - TAXIWAY G STA 31+68.62 TO 38+29.27

PROJECT NO. 091134073

FILE NO. 091134073 - PP

C6.6





LEGEND

- PORTLAND CEMENT CONCRETE PAVEMENT (P-501)
- AC PAVEMENT SHOULDER (P-403)
- AGGREGATE BASE COURSE (P-208) (STABILIZED SHOULDER SURFACE)
- FLOW LINE
- GRADING LIMITS

GENERAL NOTES:

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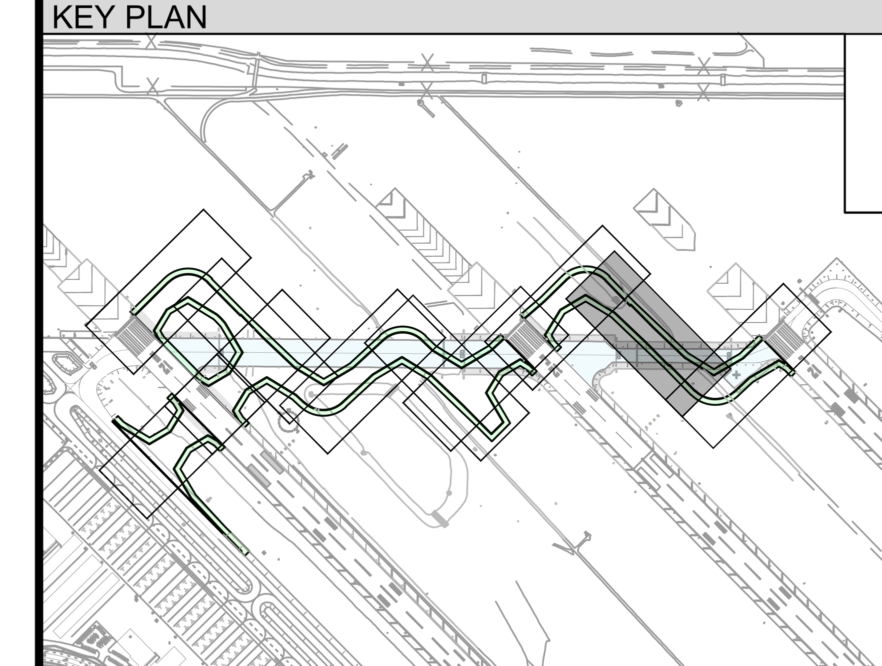
CONSTRUCTION NOTES

1. PCC PAVEMENT
2. ASPHALT SHOULDER PAVEMENT
3. STABILIZED SHOULDER SURFACE

KEY PLAN



GRAPHIC SCALE

40 0 20 40 80

(IN FEET)

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Kimley»Horn
KIMLEY-HORN AND ASSOCIATES, INC.
2046 Riverview Auto Dr, SUITE 400
Mesa, Arizona 85210 (480) 207-2666

FIRM'S SEAL

SCALE
Horiz. 1" = 40'
Vert.

Date 11/26/2025
Designed by JMM
Drawn by BPN
Checked by NCW
Approved by JMM

Mesa Gateway Airport
MESA GATEWAY AIRPORT AUTHORITY
5835 SOUTH SOSSAMAN ROAD
MESA, ARIZONA 85212
(480) 988-7600
GATEWAYAIRPORT.COM

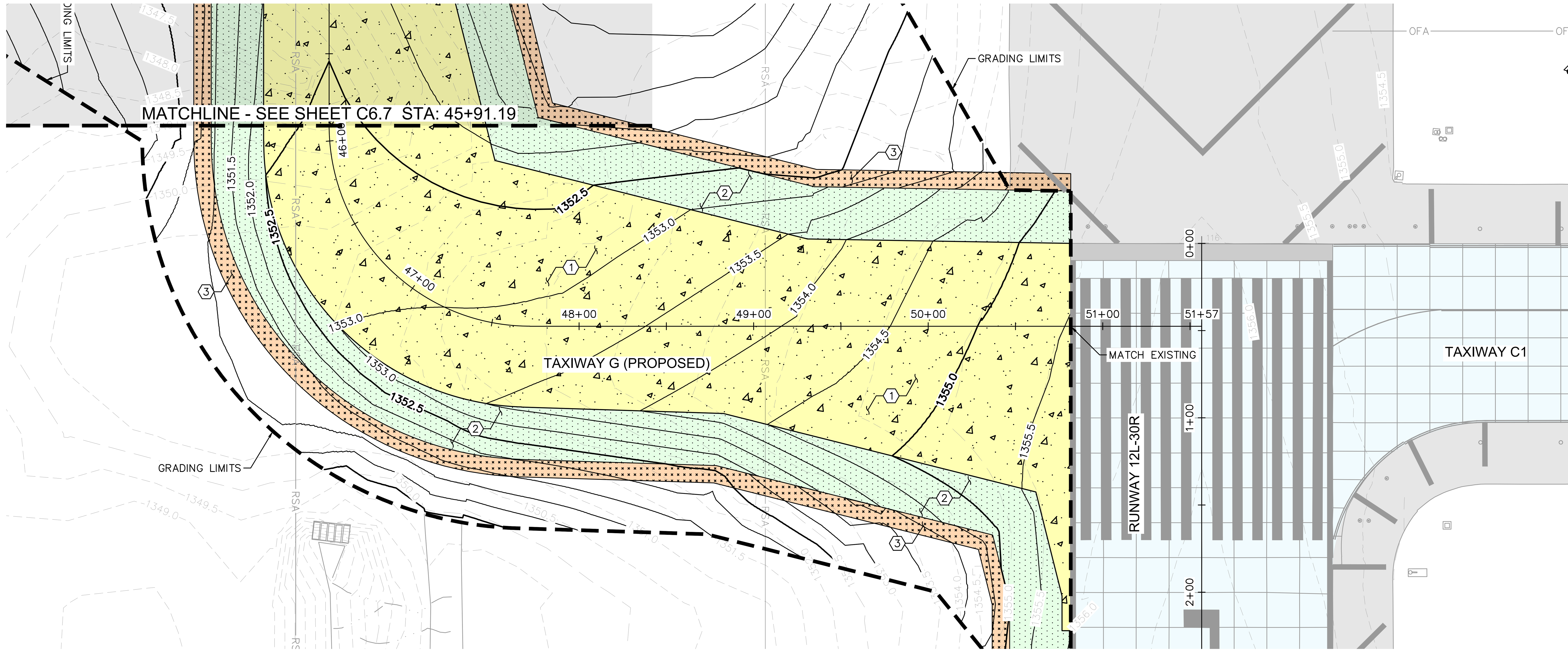
PROJECT NAME

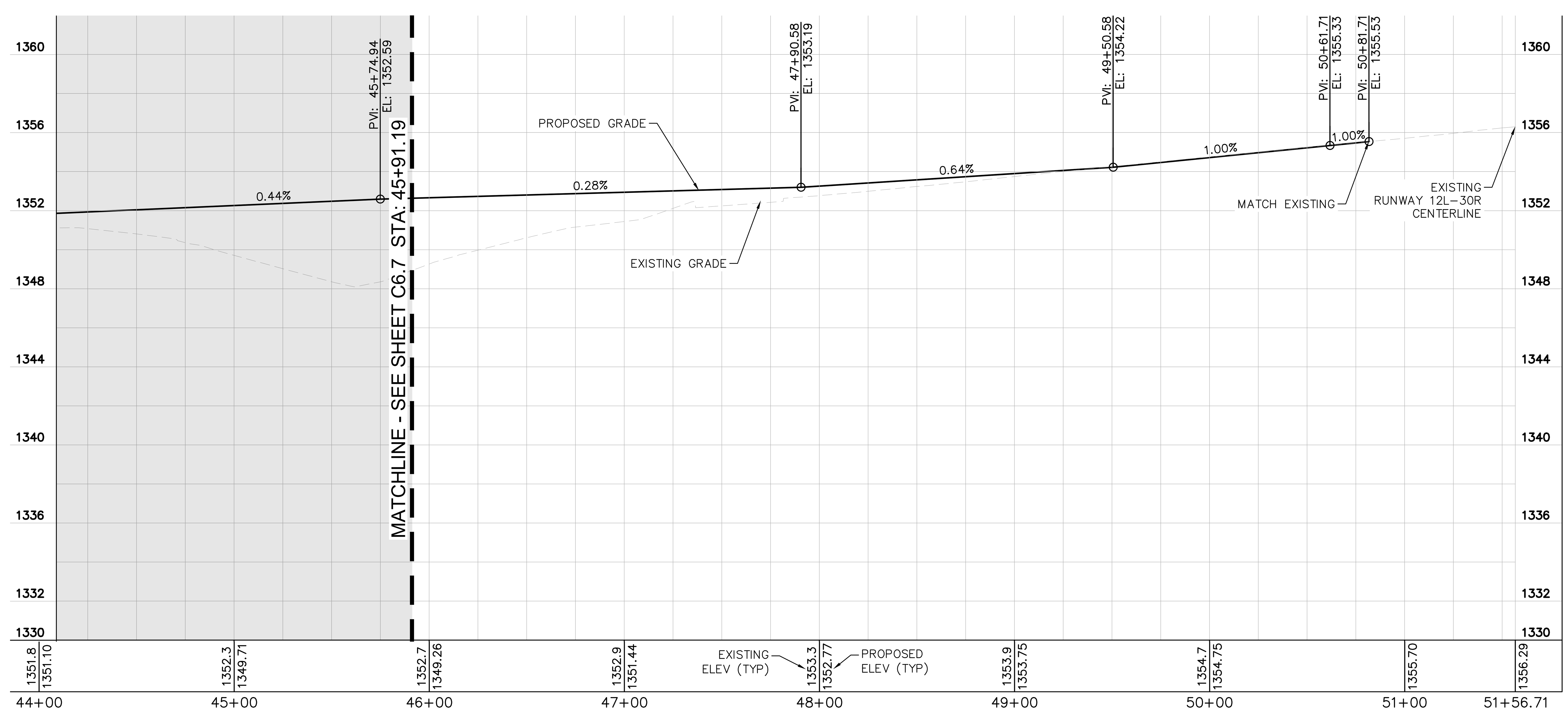
MESA GATEWAY AIRPORT
TAXIWAY G REALIGNMENT

PLAN AND PROFILE - TAXIWAY G STA 38+29.27 TO 45+91.19

PROJECT NO. 091134073
FILE NO. 091134073 - PP

C6.7





LEGEND

- PORTLAND CEMENT CONCRETE PAVEMENT (P–501)
- AC PAVEMENT SHOULDER (P–403)
- AGGREGATE BASE COURSE (P–208) (STABILIZED SHOULDER SURFACE)
- FLOW LINE
- GRADING LIMITS

GENERAL NOTES:

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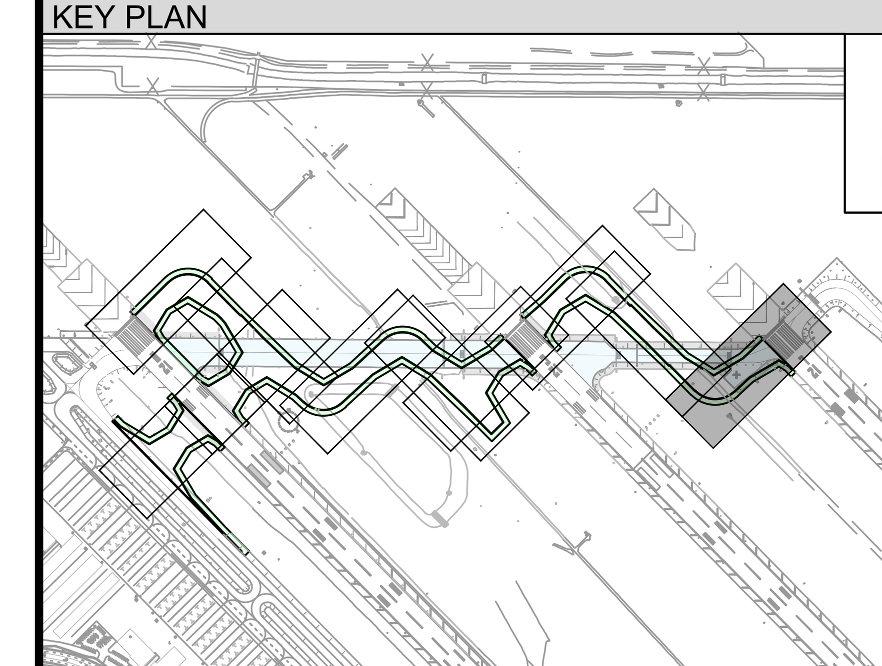
CONSTRUCTION NOTES

1. PCC PAVEMENT
2. ASPHALT SHOULDER PAVEMENT
3. STABILIZED SHOULDER SURFACE

KEY PLAN



GRAPHIC SCALE
40 0 20 40 80
(IN FEET)

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ARIZONA811
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2046 Riverview Auto Dr., SUITE 400
Mesa, Arizona 85210 (480) 207-2666

FIRM'S SEAL

SCALE
Horiz. 1" = 40'
Vert.

Date 11/26/2025
Designed by JMM
Drawn by BPN
Checked by NCW
Approved by JMM

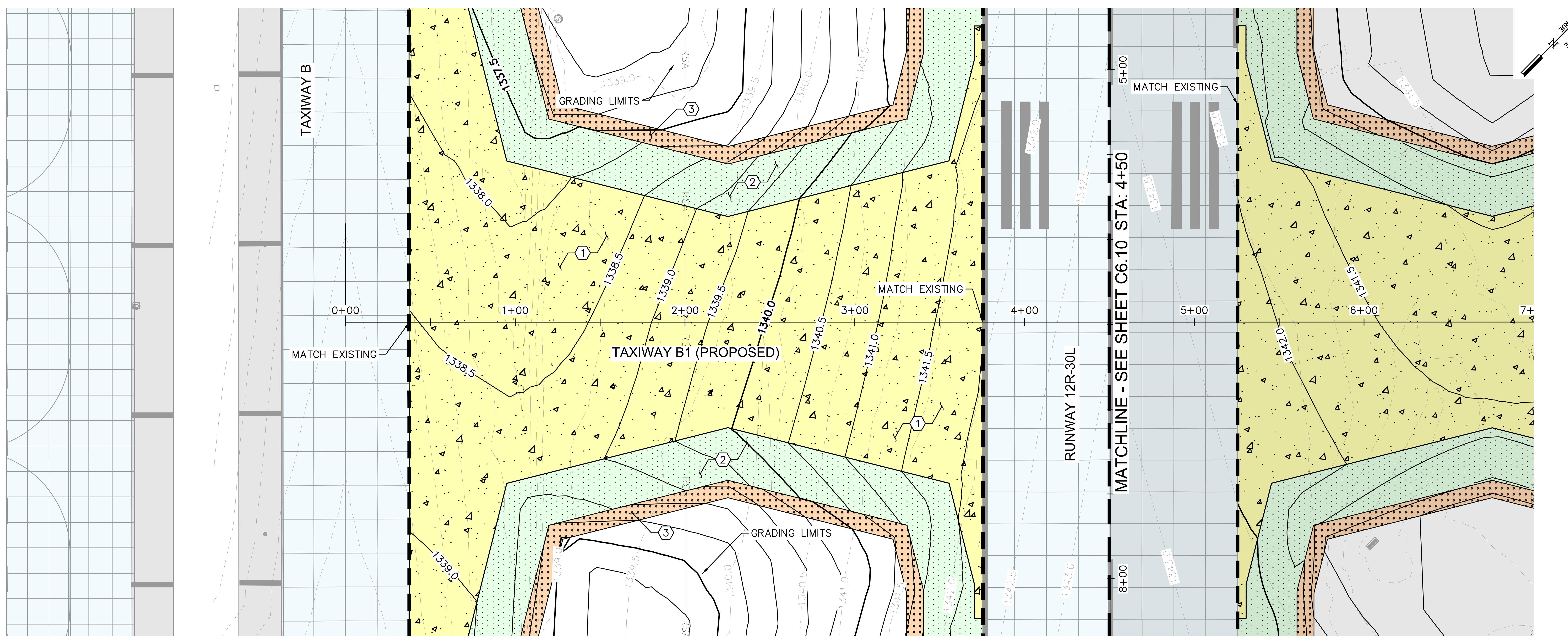
Mesa Gateway Airport
MESA GATEWAY AIRPORT AUTHORITY
5835 SOUTH SOSSAMAN ROAD
MESA, ARIZONA 85212
(480) 988-7600
GATEWAYAIRPORT.COM

PROJECT NAME
MESA GATEWAY AIRPORT
TAXIWAY G REALIGNMENT

PLAN AND PROFILE - TAXIWAY G
STA 45+91.19 TO 50+81.71

PROJECT NO. 091134073
FILE NO. 091134073 - PP
C6.8
SHEET 44 of 153

K:\EAV_Aviation\091134073 - Taxiway G Realignment\CADD\091134073 - PP.dwg Nov 26, 2025 JC.Cruz



LEGEND

- PORTLAND CEMENT CONCRETE PAVEMENT (P-501)
- AC PAVEMENT SHOULDER (P-403)
- AGGREGATE BASE COURSE (P-208) (STABILIZED SHOULDER SURFACE)
- FLOW LINE
- GRADING LIMITS

GENERAL NOTES:

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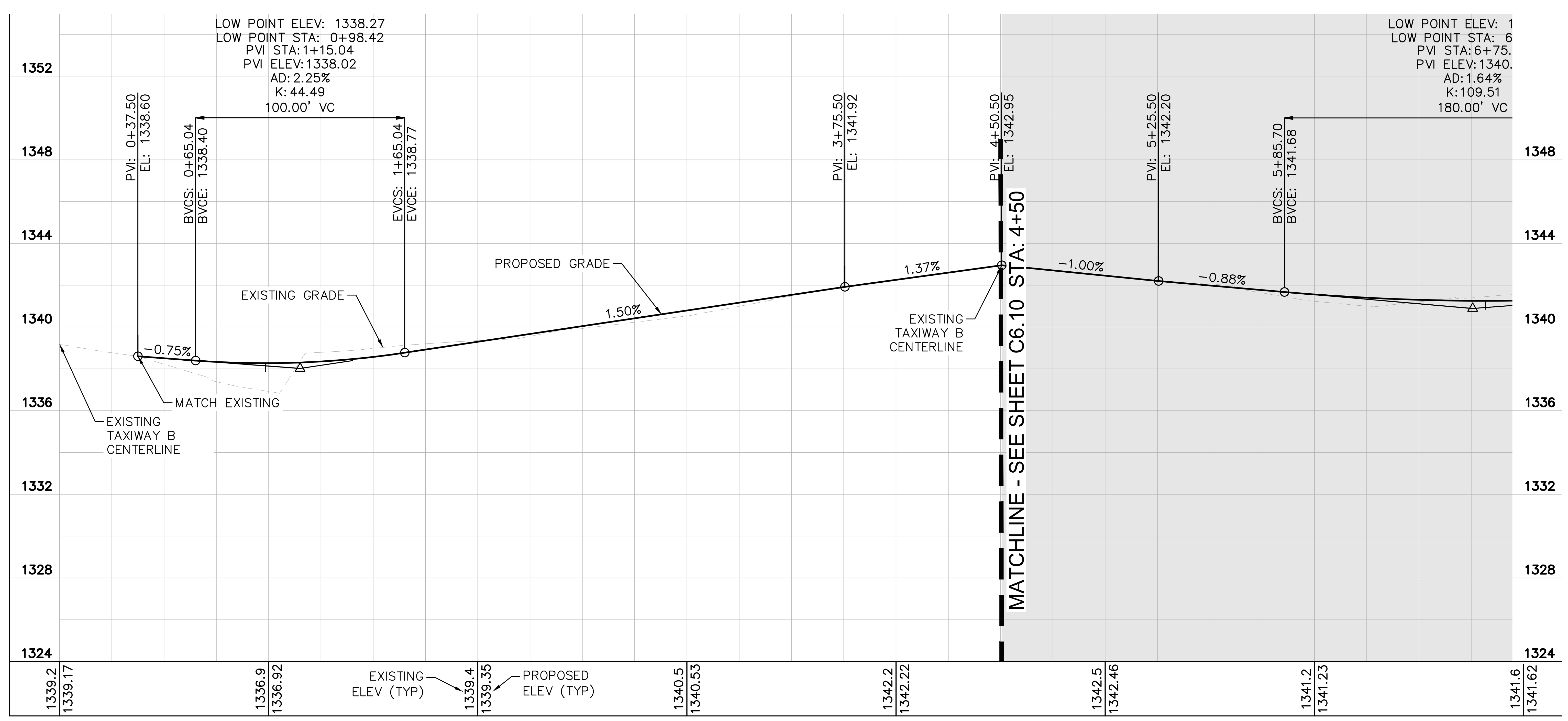
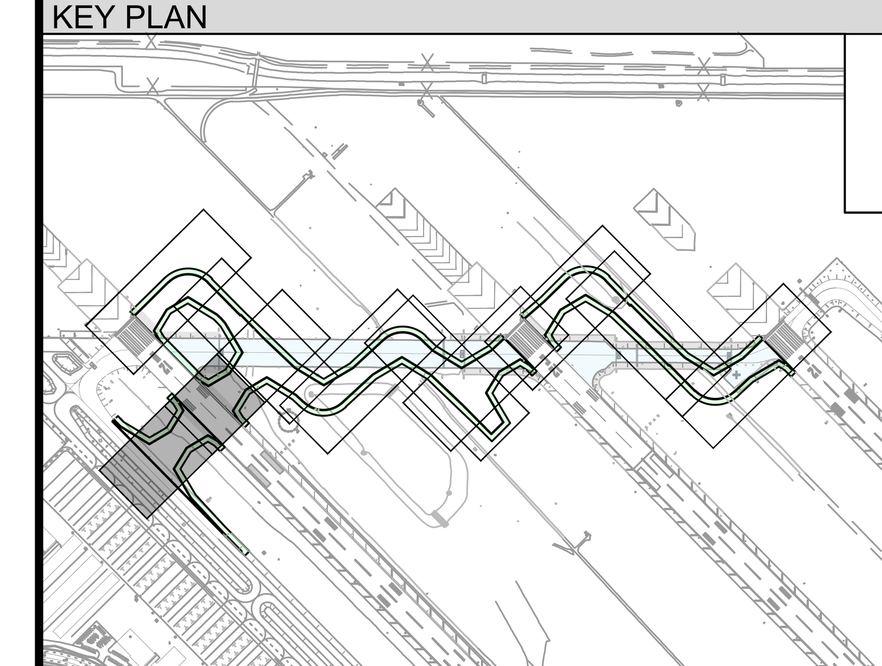
CONSTRUCTION NOTES

1. PCC PAVEMENT
2. ASPHALT SHOULDER PAVEMENT
3. STABILIZED SHOULDER SURFACE



KEY PLAN



GRAPHIC SCALE
40 0 20 40 80
(IN FEET)

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FIRM'S SEAL

SCALE
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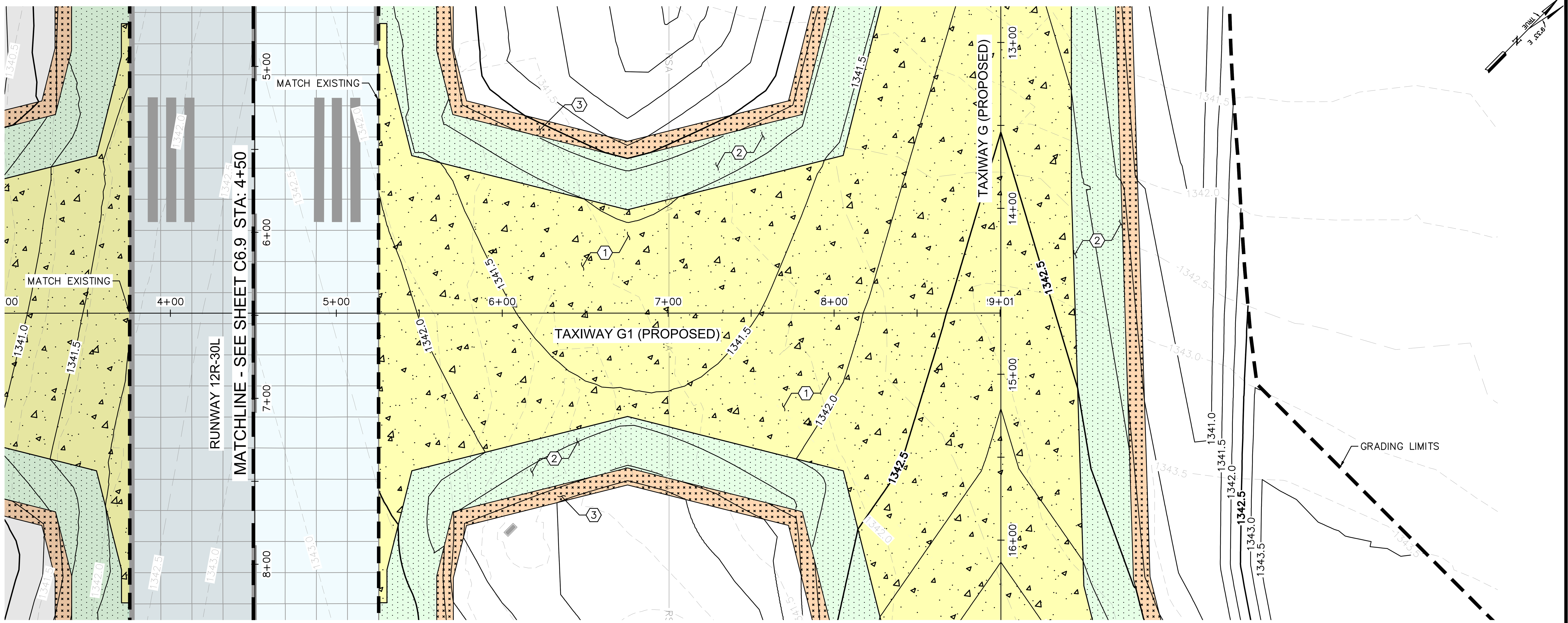
Vert.
Date 11/26/2025
Designed by JMM
Drawn by BPN
Checked by NCW
Approved by JMM

Mesa Gateway Airport
MESA GATEWAY AIRPORT AUTHORITY
5835 SOUTH SOSSAMAN ROAD
MESA, ARIZONA 85212
(480) 988-7600
GATEWAYAIRPORT.COM

PROJECT NAME
MESA GATEWAY AIRPORT
TAXIWAY G REALIGNMENT

PLAN AND PROFILE - TAXIWAY B1
STA 0+37.50 TO 3+75.50

PROJECT NO. 091134073
FILE NO. 091134073 - PP
C6.9
SHEET 45 of 153



LEGEND

- PORTLAND CEMENT CONCRETE PAVEMENT (P-501)
- AC PAVEMENT SHOULDER (P-403)
- AGGREGATE BASE COURSE (P-208) (STABILIZED SHOULDER SURFACE)
- FLOW LINE
- GRADING LIMITS

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CONSTRUCTION NOTES

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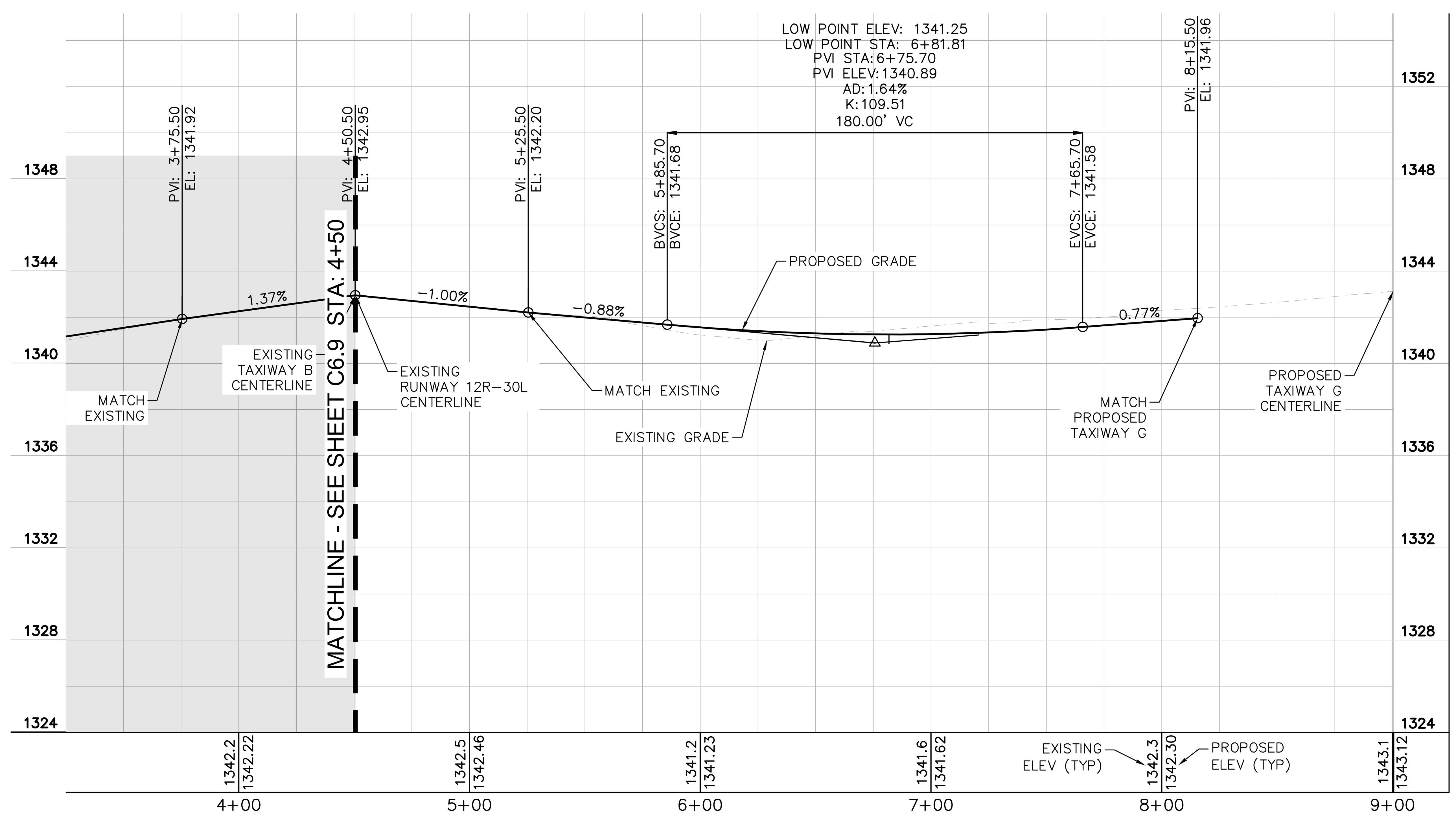
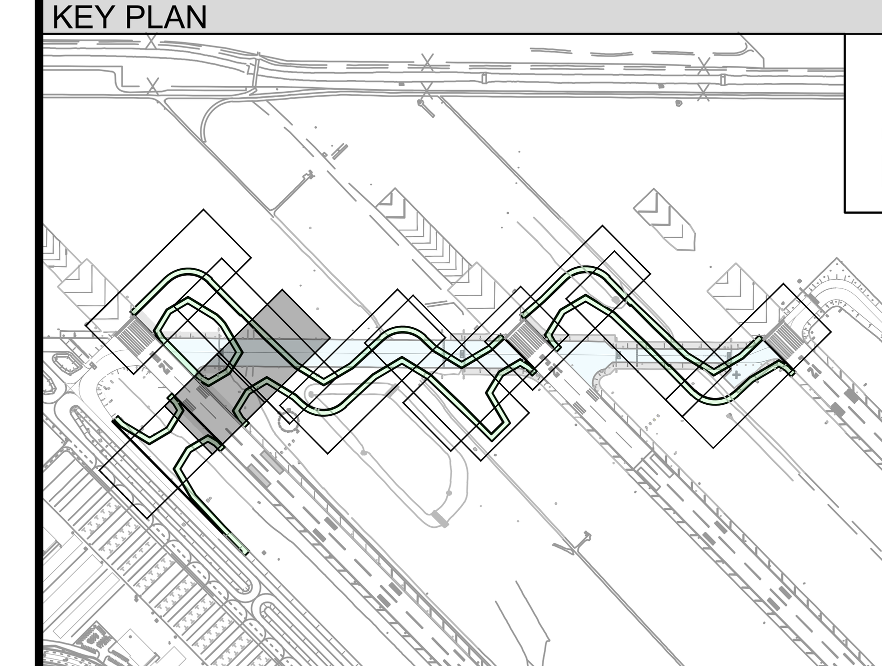
3. STABILIZED SHOULDER SURFACE



KEY PLAN



GRAPHIC SCALE

40 0 20 40 80

(IN FEET)

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ARIZONA 811

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Vert.

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5835 SOUTH SOSSAMAN ROAD
MESA, ARIZONA 85212
(480) 988-7600
GATEWAYAIRPORT.COM

PROJECT NAME

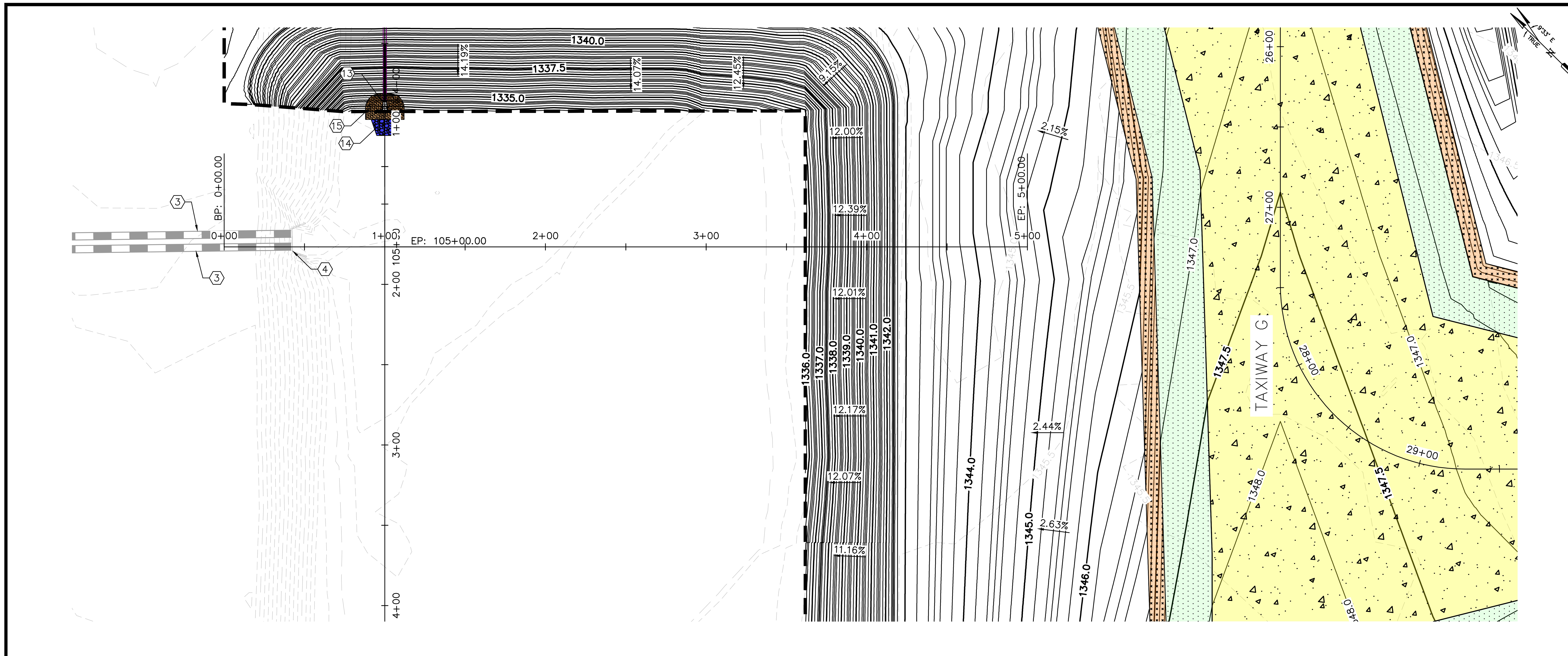
MESA GATEWAY AIRPORT
TAXIWAY G REALIGNMENT

PLAN AND PROFILE - TAXIWAY G1
STA 5+25.50 TO 9+00.50

PROJECT NO. 091134073

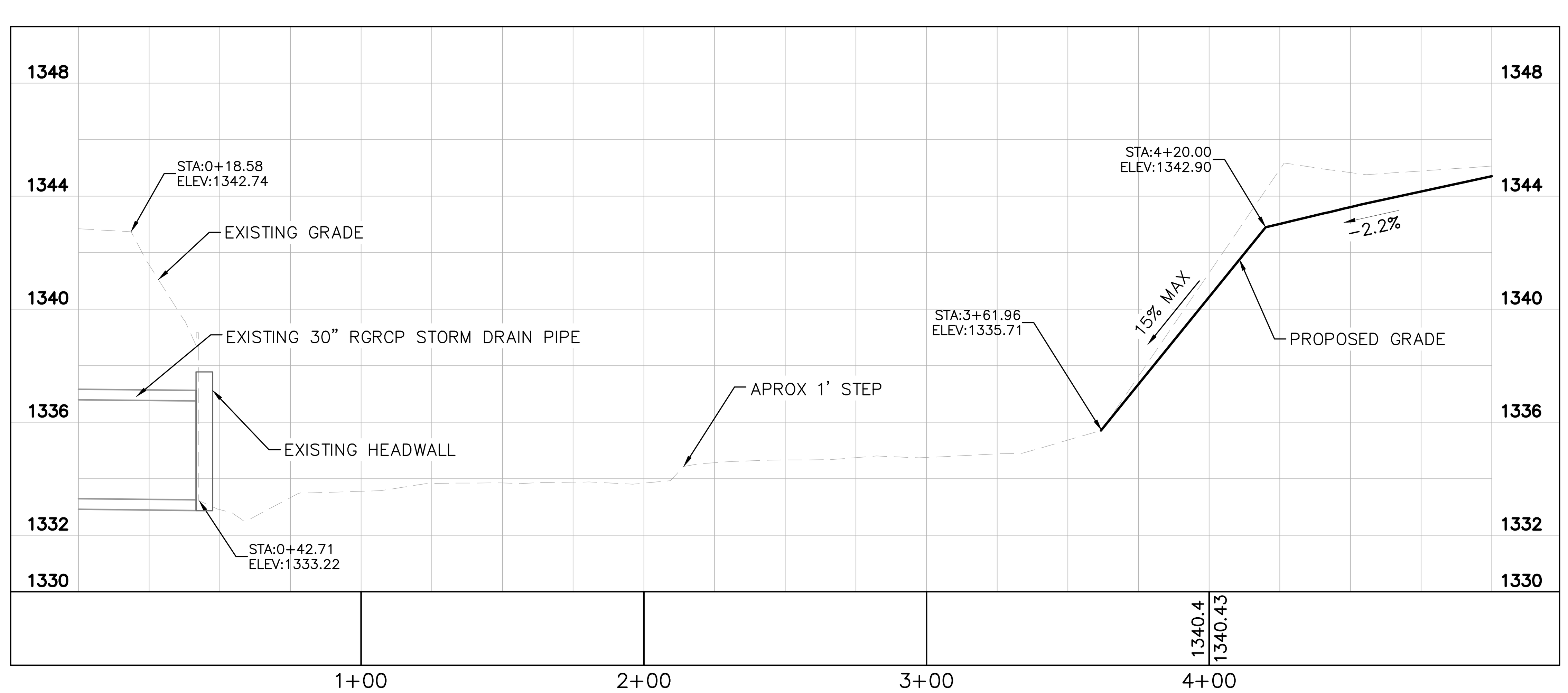
FILE NO. 091134073 - PP

C6.10



LEGEND

- PORTLAND CEMENT CONCRETE PAVEMENT (P-501)
- AC PAVEMENT SHOULDER (P-403)
- MAG AGGREGATE STABILIZED SHOULDER (P-208)
- INSTALL RIPRAP (MAG 220.5)
- INSTALL 2" SHOTCRETE
- COMPACTED AC MILLINGS (VSR)
- EXISTING CONTOUR
- PROPOSED CONTOUR
- FLOW DIRECTION
- FLOW LINE
- GRADE BREAK
- GRADING LIMITS
- EXISTING STORM DRAIN PIPE
- EXISTING STORM DRAIN MANHOLE
- EXISTING STORM DRAIN INLET
- EXISTING STORM DRAIN HEADWALL
- EXISTING STORM DRAIN OUTLET STRUCTURE
- PROPOSED STORM DRAIN PIPE
- PROPOSED STORM DRAIN MANHOLE
- PROPOSED STORM DRAIN INLET
- PROPOSED STORM DRAIN HEADWALL
- PROPOSED STORM DRAIN OUTLET STRUCTURE



A-A / C6.11 SECTION A-A
1" = 40'

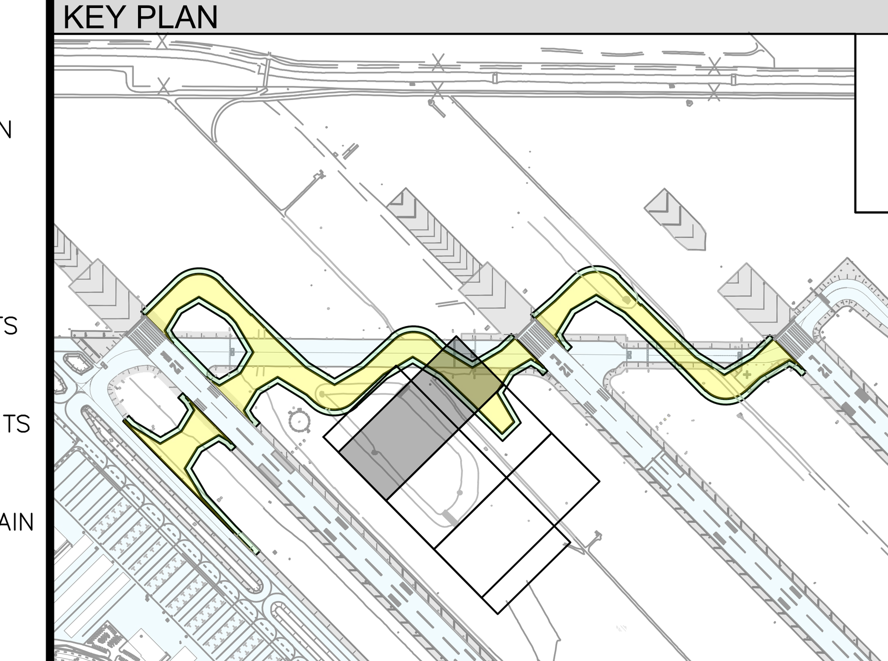
CONSTRUCTION NOTES:

1. MATCH EXISTING GRADE
2. MATCH/TIE INTO EXISTING FLOW LINE
3. EXISTING STORM DRAIN TO REMAIN PROTECTED IN PLACE
4. EXISTING STORM STRUCTURE TO REMAIN PROTECTED IN PLACE
5. ADJUST EXISTING HANDHOLE/MANHOLE LID
6. ADJUST EXISTING STORM DRAIN INLET TO GRADE
7. INSTALL SINGLE STORM DRAIN INLET PER STORM DRAIN PROFILES SHEETS C8.11 – C8.15
8. INSTALL DUAL STORM DRAIN INLET PER STORM DRAIN PROFILES SHEETS C8.11 – C8.15
9. INSTALL TRIPLE STORM DRAIN INLET PER STORM DRAIN PROFILES SHEETS C8.11 – C8.15
10. INSTALL RGRCP STORM DRAIN PER STORM DRAIN PROFILES SHEETS C8.11 – C8.15
11. INSTALL MANHOLE PER STORM DRAIN PROFILES SHEETS C8.11 – C8.15
12. INSTALL HEADWALL PER STORM DRAIN PROFILES SHEETS C8.11 – C8.15
13. INSTALL RGRCP FLARED END SECTION PER STORM DRAIN PROFILES SHEETS C8.11 – C8.15
14. INSTALL RIPRAP PER PER STORM DRAIN PROFILES SHEETS C8.11 – C8.15
15. INSTALL CLSM BACKFILL PER STORM DRAIN PROFILES SHEETS C8.11 – C8.15
16. INSTALL 2" SHOTCRETE AROUND OUTLET PER DETAILS SHEET PER STORM DRAIN PROFILES SHEETS C8.11 – C8.15
17. CLEAR/CLEAN EXISTING FLARED END STRUCTURE FROM MILLINGS/DIRT/DEBRIS, AND RECOMPACT ADJACENT GRADE AS NEEDED TO MAINTAIN POSITIVE DRAINAGE (NPI)

GENERAL NOTES:

1. REFER TO SHEETS C4.1 THRU C4.3 FOR TYPICAL SECTIONS.
2. REFER TO C1.5 FOR HORIZONTAL CONTROL.
3. DESIGN CONTOURS REPRESENT FINISHED SURFACE.
4. REFER TO ELECTRICAL LAYOUT PLANS FOR AIRFIELD LIGHTING AND SIGNING SYSTEM (NOT SHOWN).
5. CONTRACTOR SHALL MATCH EXISTING PAVEMENT ELEVATIONS AS SHOWN ON PLAN. IF EXISTING ELEVATIONS DIFFER FROM THOSE SHOWN, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY.

KEY PLAN



GRAPHIC SCALE
40 0 20 40 80
(IN FEET)

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ARIZONA 811
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In Maricopa County: (602) 263-1100

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NO.	REVISION	BY	DATE

FIRM'S NAME
Kimley»Horn
KIMLEY-HORN AND ASSOCIATES, INC.
2046 Riverview Auto Dr., SUITE 400
Mesa, Arizona 85210 (480) 207-2666

FIRM'S SEAL

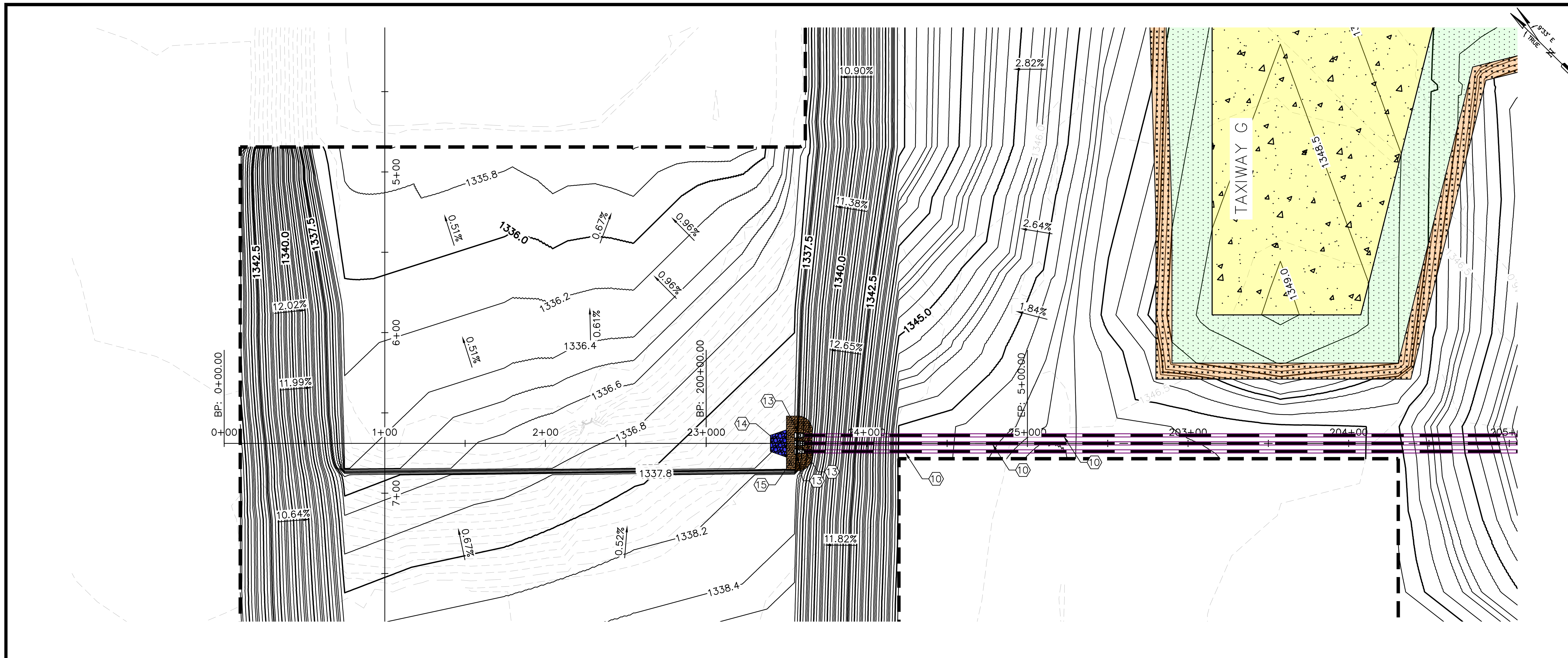
SCALE
Horiz. 1" = 40'
Vert.
Date 11/26/2025
Designed by JMM
Drawn by BPN
Checked by NCW
Approved by JMM

Mesa Gateway Airport
MESA GATEWAY AIRPORT AUTHORITY
5835 SOUTH SOSSAMAN ROAD
MESA, ARIZONA 85212
(480) 988-7600
GATEWAYAIRPORT.COM

PROJECT NAME
MESA GATEWAY AIRPORT
TAXIWAY G REALIGNMENT

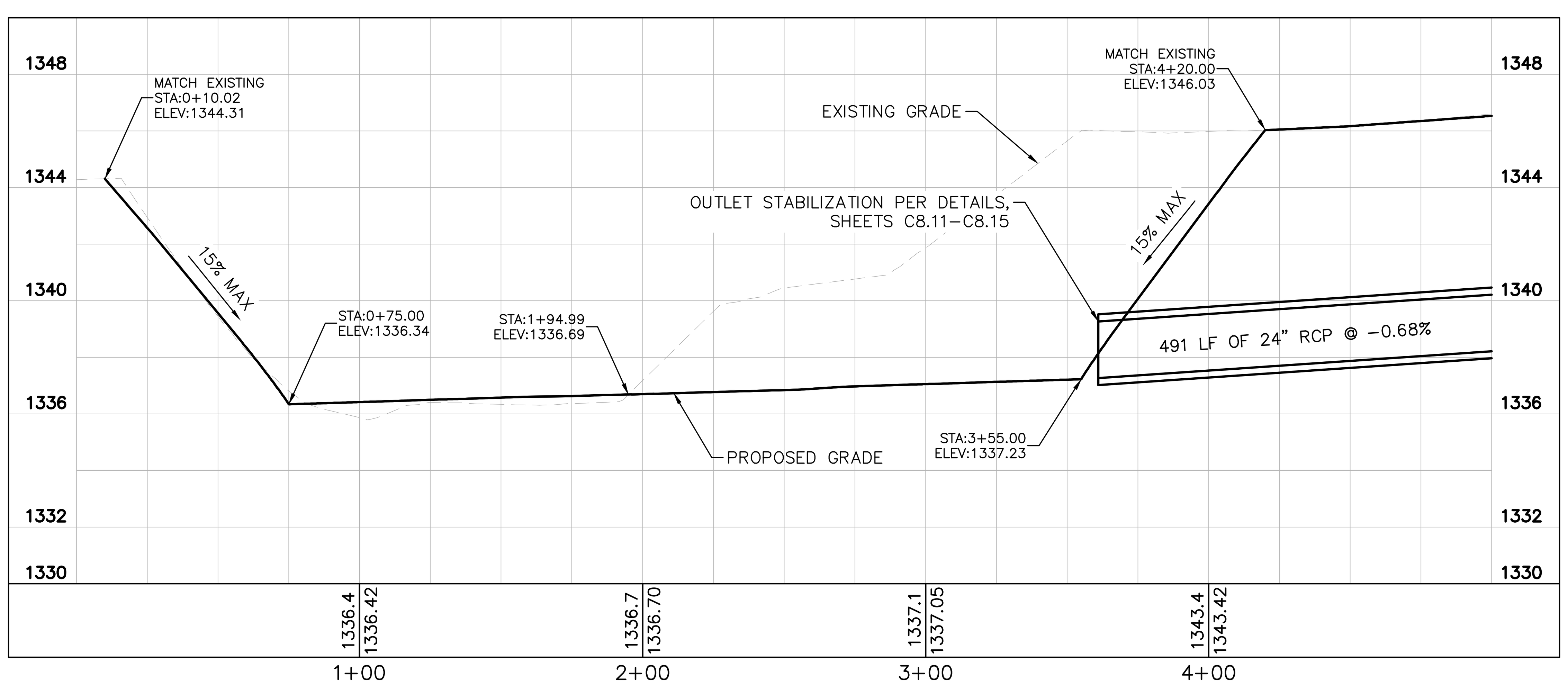
PLAN AND PROFILE - BASIN
BASIN SECTION A

PROJECT NO. 091134073
FILE NO. 091134073 - PP (Basin)
C6.11
SHEET 47 of 153



LEGEND

PORTLAND CEMENT CONCRETE PAVEMENT (P–501)
AC PAVEMENT SHOULDER (P–403)
MAG AGGREGATE STABILIZED SHOULDER (P–208)
INSTALL RIPRAP (MAG 220.5)
INSTALL 2" SHOTCRETE
COMPACTED AC MILLINGS (VSR)
EXISTING CONTOUR
PROPOSED CONTOUR
FLOW DIRECTION
FLOW LINE
GRADE BREAK
GRADING LIMITS
EXISTING STORM DRAIN PIPE
EXISTING STORM DRAIN MANHOLE
EXISTING STORM DRAIN INLET
EXISTING STORM DRAIN HEADWALL
EXISTING STORM DRAIN OUTLET STRUCTURE
PROPOSED STORM DRAIN PIPE
PROPOSED STORM DRAIN MANHOLE
PROPOSED STORM DRAIN INLET
PROPOSED STORM DRAIN HEADWALL
PROPOSED STORM DRAIN OUTLET STRUCTURE



B-B C6.12 SECTION B-B
1" = 40'

CONSTRUCTION NOTES:

1. MATCH EXISTING GRADE
2. MATCH/TIE INTO EXISTING FLOW LINE
3. EXISTING STORM DRAIN TO REMAIN PROTECTED IN PLACE
4. EXISTING STORM STRUCTURE TO REMAIN PROTECTED IN PLACE
5. ADJUST EXISTING HANDHOLE/MANHOLE LID
6. ADJUST EXISTING STORM DRAIN INLET TO GRADE
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GENERAL NOTES:

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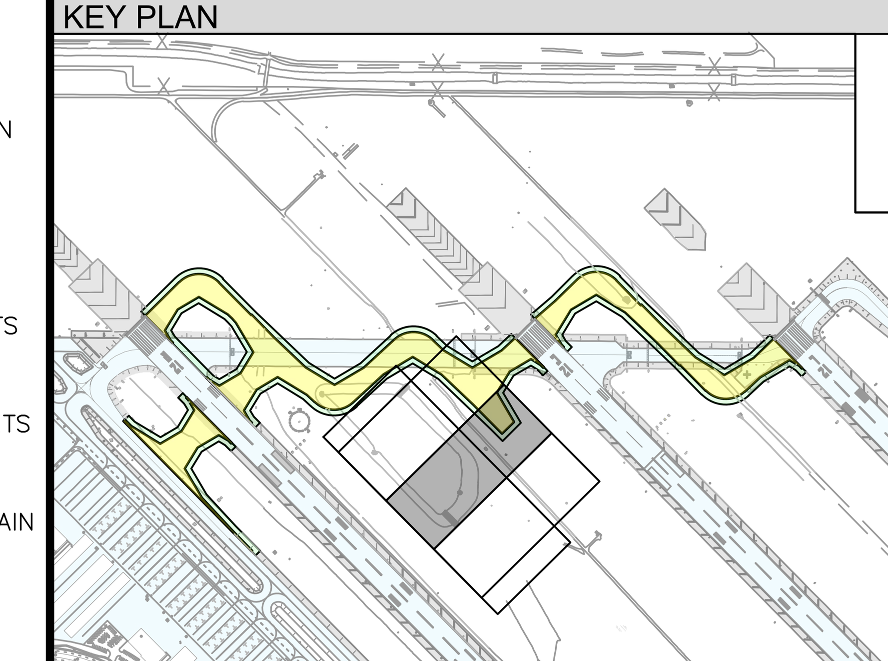
KEY PLAN



GRAPHIC SCALE
40 0 20 40 80
(IN FEET)

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SCALE
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Vert.
Date 11/26/2025
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Drawn by BPN
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Approved by JMM

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MESA, ARIZONA 85212
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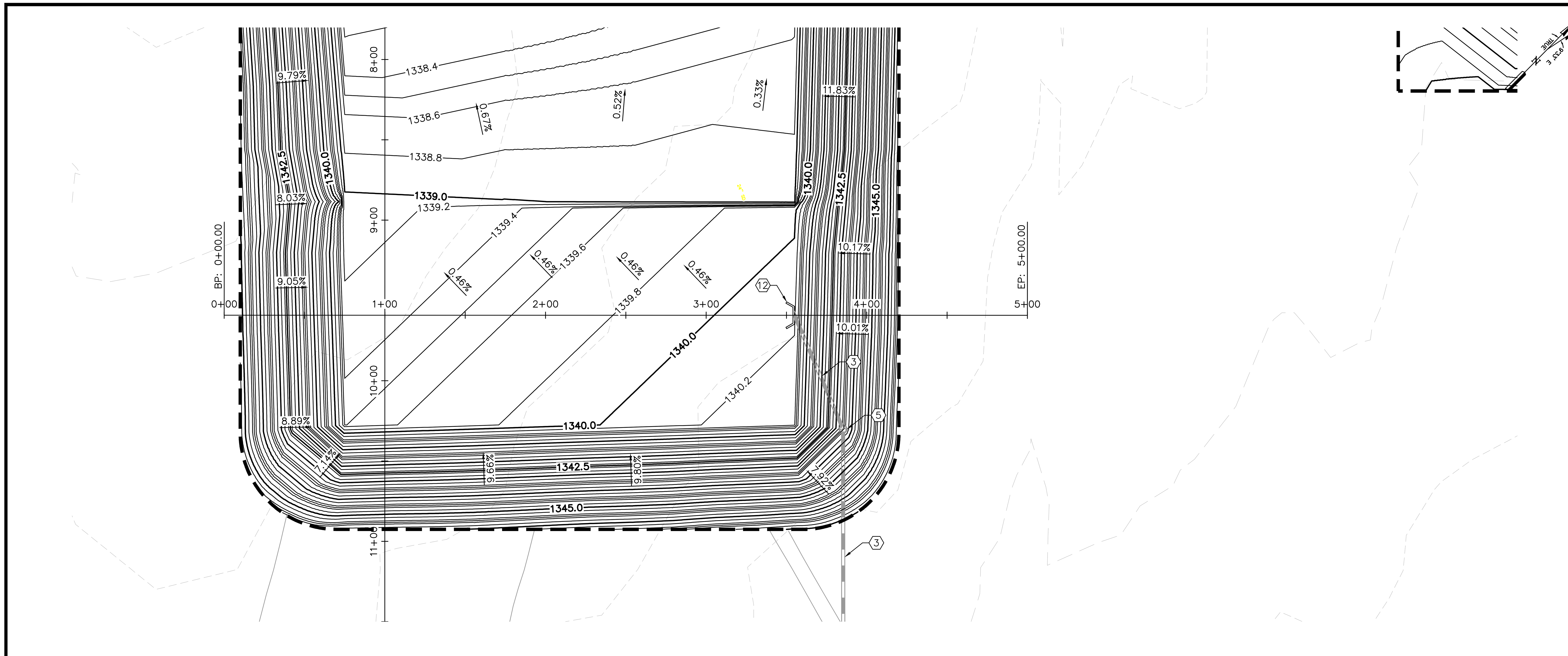
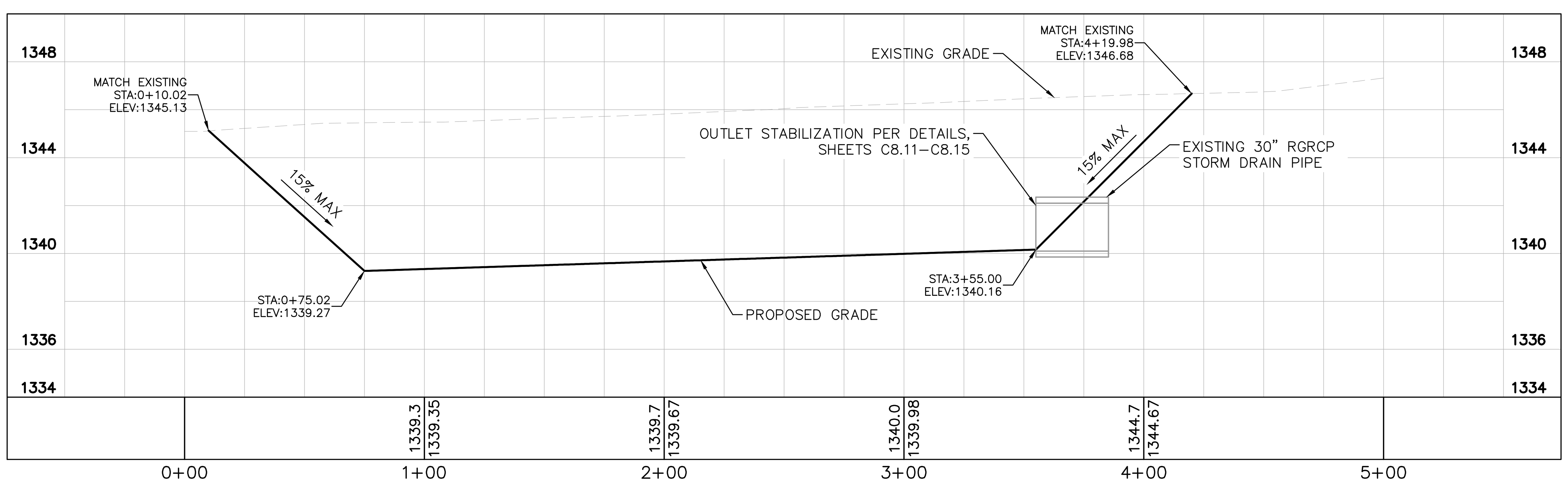
GATEWAYAIRPORT.COM

PROJECT NAME
MESA GATEWAY AIRPORT
TAXIWAY G REALIGNMENT

PLAN AND PROFILE - BASIN
STA 9+65.64 TO 17+86.56

PROJECT NO. 091134073
FILE NO. 091134073 - PP (Basin)
C6.12
SHEET 48 of 153





B-B
C6.13
SECTION C–C
1" = 40'

LEGEND

- PORTLAND CEMENT CONCRETE PAVEMENT (P–501)
- AC PAVEMENT SHOULDER (P–403)
- MAG AGGREGATE STABILIZED SHOULDER (P–208)
- INSTALL RIPRAP (MAG 220.5)
- INSTALL 2" SHOTCRETE
- COMPACTED AC MILLINGS (VSR)
- 1350 EXISTING CONTOUR
- 1350 PROPOSED CONTOUR
- ??? FLOW DIRECTION
- FLOW LINE
- GRADE BREAK
- GRADING LIMITS
- EXISTING STORM DRAIN PIPE
- EXISTING STORM DRAIN MANHOLE
- EXISTING STORM DRAIN INLET
- EXISTING STORM DRAIN HEADWALL
- EXISTING STORM DRAIN OUTLET STRUCTURE
- PROPOSED STORM DRAIN PIPE
- PROPOSED STORM DRAIN MANHOLE
- PROPOSED STORM DRAIN INLET
- PROPOSED STORM DRAIN HEADWALL
- PROPOSED STORM DRAIN OUTLET STRUCTURE

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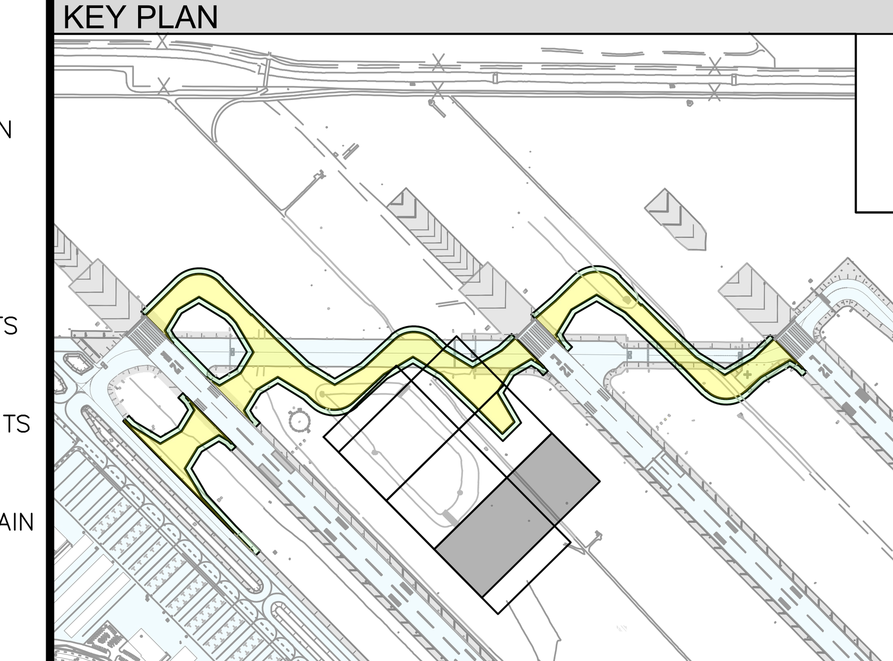
KEY PLAN



GRAPHIC SCALE
40 0 20 40 80
(IN FEET)

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KIMLEY–HORN AND ASSOCIATES, INC.
2046 Riverview Auto Dr, SUITE 400
Mesa, Arizona 85210 (480) 207–2666

FIRM'S SEAL

SCALE
Horiz. 1" = 40'
Vert.

Date 11/26/2025
Designed by JMM
Drawn by BPN
Checked by NCW
Approved by JMM

Mesa Gateway Airport
MESA GATEWAY AIRPORT AUTHORITY
5835 SOUTH SOSSAMAN ROAD
MESA, ARIZONA 85212
(480) 988-7600
GATEWAYAIRPORT.COM

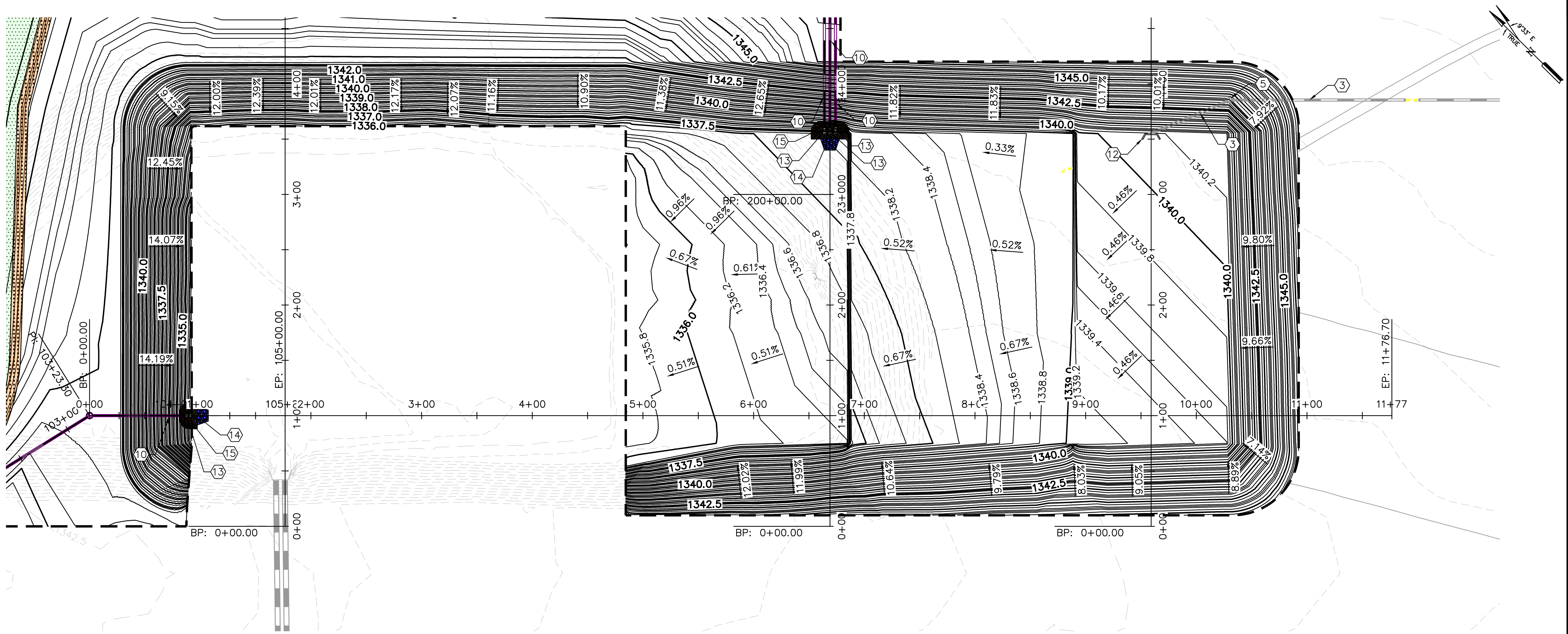
PROJECT NAME
MESA GATEWAY AIRPORT
TAXIWAY G REALIGNMENT

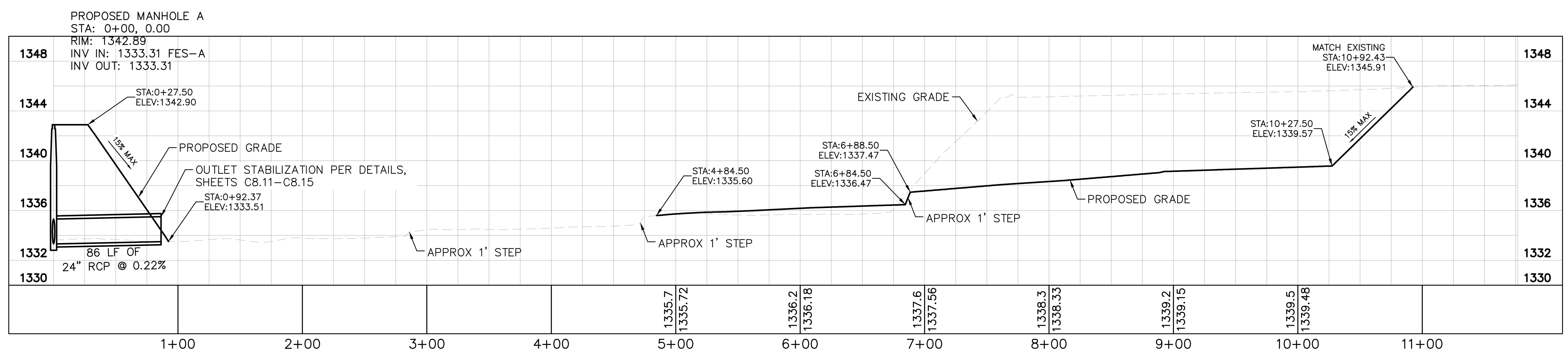
PLAN AND PROFILE - BASIN
STA 17+86.56 TO 25+17.98

PROJECT NO. 091134073
FILE NO. 091134073 - PP (Basin)

C6.13

SHEET 49 of 153





SECTION D-D
C6.14 1" = 40'

LEGEND

- PORTLAND CEMENT CONCRETE PAVEMENT (P-501)
- AC PAVEMENT SHOULDER (P-403)
- MAG AGGREGATE STABILIZED SHOULDER (P-208)
- INSTALL RIPRAP (MAG 220.5)
- INSTALL 2" SHOTCRETE
- COMPACTED AC MILLINGS (VSR)
- EXISTING CONTOUR
- PROPOSED CONTOUR
- FLOW DIRECTION
- FLOW LINE
- GRADE BREAK
- GRADING LIMITS
- EXISTING STORM DRAIN PIPE
- EXISTING STORM DRAIN MANHOLE
- EXISTING STORM DRAIN INLET
- EXISTING STORM DRAIN HEADWALL
- EXISTING STORM DRAIN OUTLET STRUCTURE
- PROPOSED STORM DRAIN PIPE
- PROPOSED STORM DRAIN MANHOLE
- PROPOSED STORM DRAIN INLET
- PROPOSED STORM DRAIN HEADWALL
- PROPOSED STORM DRAIN OUTLET STRUCTURE

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CONSTRUCTION NOTES:

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4. EXISTING STORM STRUCTURE TO REMAIN PROTECTED IN PLACE
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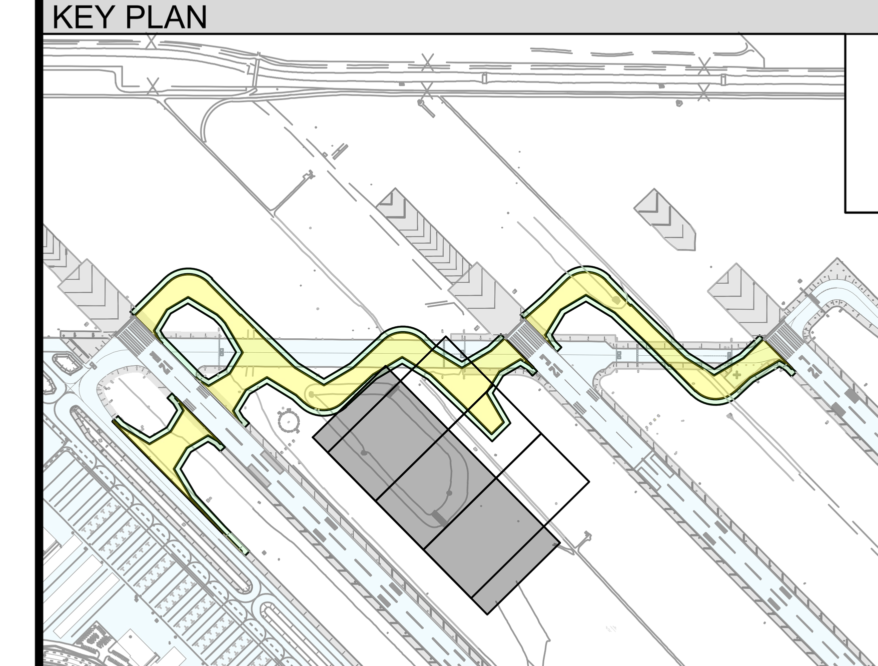
KEY PLAN



GRAPHIC SCALE
40 0 20 40 80
(IN FEET)

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PROJECT NAME
MESA GATEWAY AIRPORT
TAXIWAY G REALIGNMENT

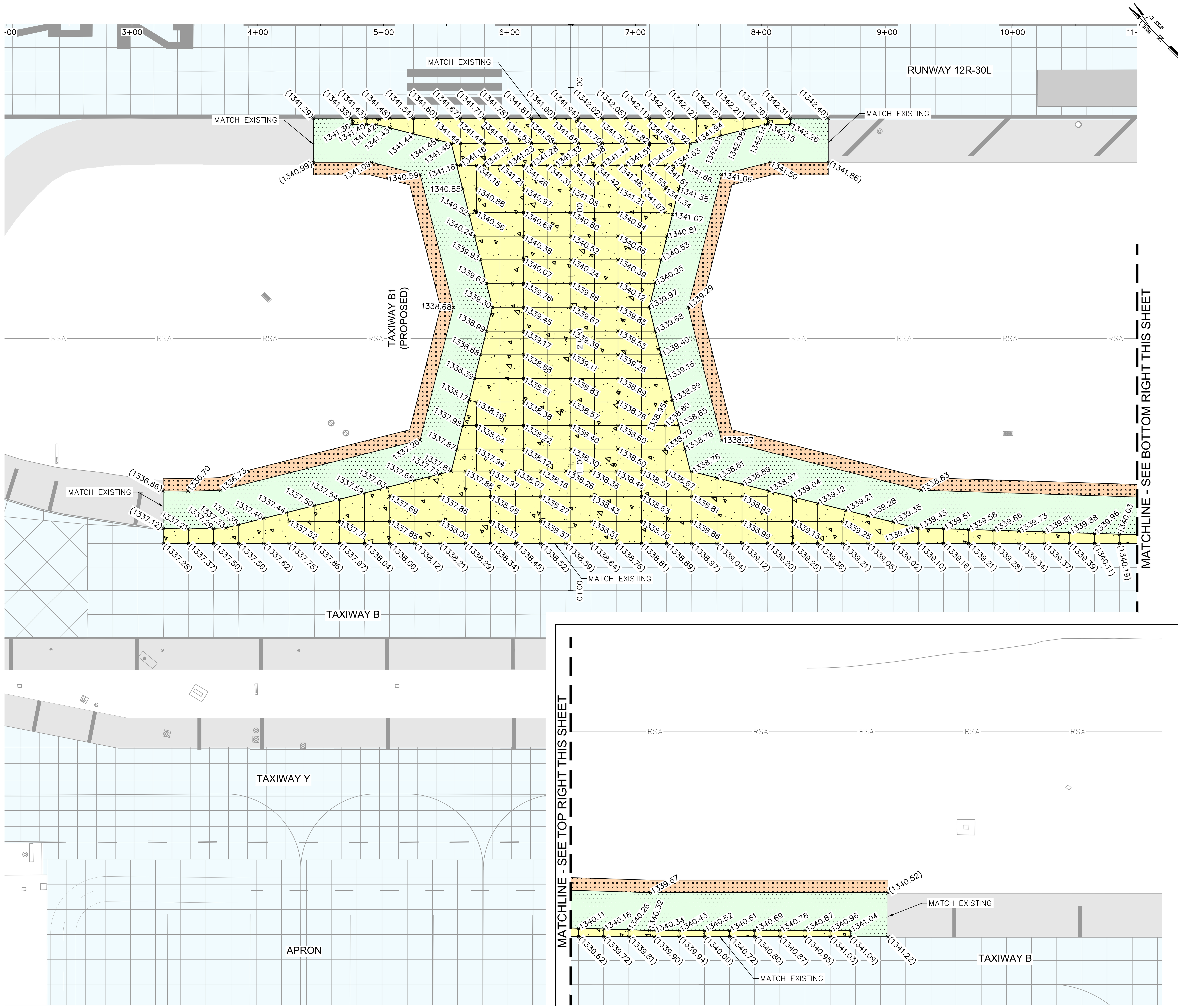
PLAN AND PROFILE - BASIN
STA 25+17.98 TO 29+28.62

PROJECT NO. 091134073
FILE NO. 091134073 - PP (Basin)

C6.14

SHEET 50 of 153

K:\EAV_Aviation\091134073 – Taxiway G Realignment\CADD\091134073 – PP (Basin).dwg Nov 26, 2025 JC.Cruz



LEGEND

PORTLAND CEMENT CONCRETE PAVEMENT (P–501)

AC PAVEMENT SHOULDER (P–403)

AGGREGATE BASE COURSE (P–208) (STABILIZED SHOULDER SURFACE)

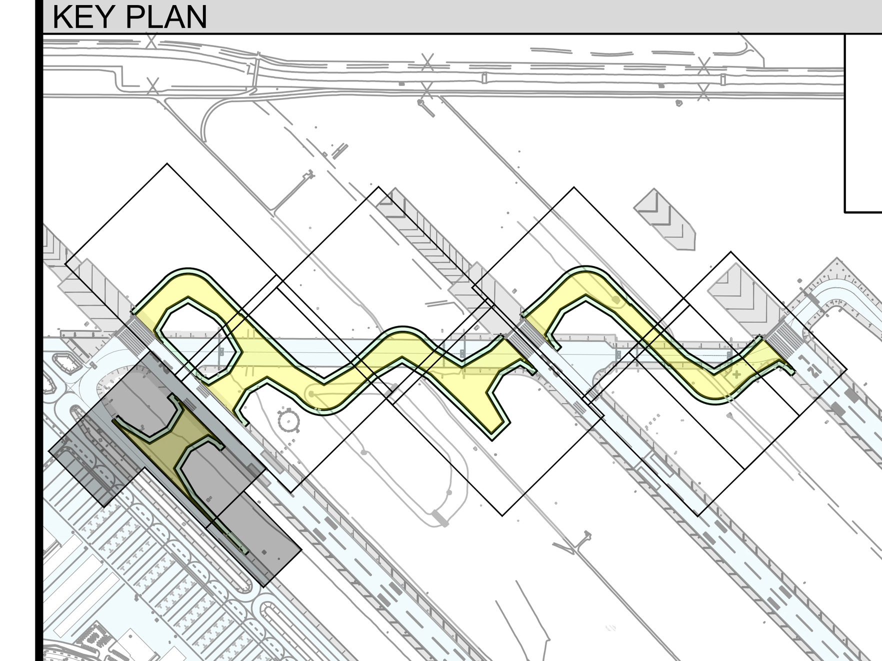
+XXXX.XX PROPOSED SPOT ELEVATION

+(XXXX.XX) MATCH EXISTING SPOT ELEVATION

GENERAL NOTES:

1. REFER TO C1.5 FOR HORIZONTAL AND VERTICAL CONTROL.
2. SPOT ELEVATIONS SHOWN ARE BASED ON JOINT LAYOUT, REFER TO PAVEMENT JOINT LAYOUT PLAN, SHEETS C9.1 THRU C9.8.
3. CONTRACTOR SHALL MATCH EXISTING PAVEMENT ELEVATIONS AS SHOWN ON PLAN. IF EXISTING ELEVATIONS DIFFER FROM THOSE SHOWN, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY.

KEY PLAN



GRAPHIC SCALE

40 0 20 40 80

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GATEWAYAIRPORT.COM

PROJECT NAME

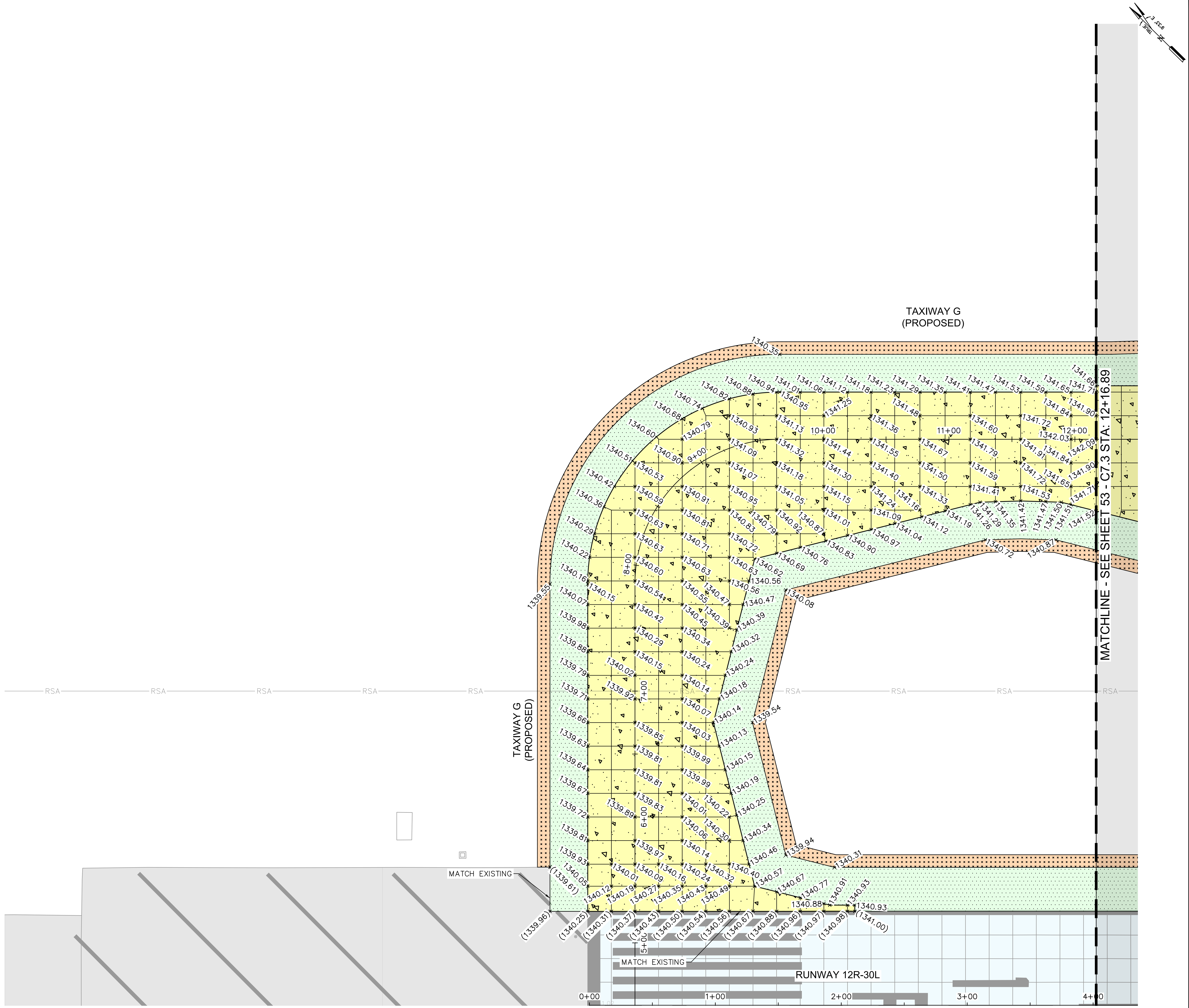
MESA GATEWAY AIRPORT
TAXIWAY G REALIGNMENT

PAVING ELEVATION PLAN
SHEET 1 OF 8

PROJECT NO. 091134073

FILE NO. 091134073 - PV

C7.1



LEGEND

PORTLAND CEMENT CONCRETE PAVEMENT (P-501)

AC PAVEMENT SHOULDER (P-403)

AGGREGATE BASE COURSE (P-208) (STABILIZED SHOULDER SURFACE)

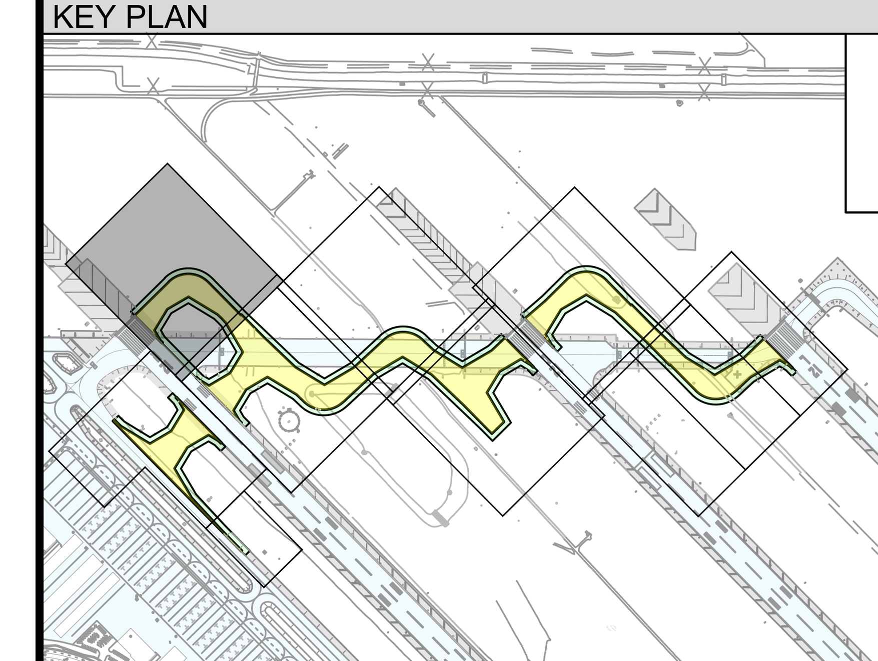
+XXXX.XX PROPOSED SPOT ELEVATION

+(XXXX.XX) MATCH EXISTING SPOT ELEVATION

GENERAL NOTES:

1. REFER TO C1.5 FOR HORIZONTAL AND VERTICAL CONTROL.
2. SPOT ELEVATIONS SHOWN ARE BASED ON JOINT LAYOUT, REFER TO PAVEMENT JOINT LAYOUT PLAN, SHEETS C9.1 THRU C9.8.
3. CONTRACTOR SHALL MATCH EXISTING PAVEMENT ELEVATIONS AS SHOWN ON PLAN. IF EXISTING ELEVATIONS DIFFER FROM THOSE SHOWN, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY.

KEY PLAN



GRAPHIC SCALE

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(IN FEET)

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PLANS TO BE PRINTED IN COLOR

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NO.	REVISION	DATE	BY

FIRM'S NAME

Kimley»Horn
KIMLEY-HORN AND ASSOCIATES, INC.
2046 Riverview Auto Dr., SUITE 400
Mesa, Arizona 85210 (480) 207-2666

FIRM'S SEAL

SCALE
Horiz. 1" = 40'
Vert.

Date 11/26/2025
Designed by JMM
Drawn by JCC
Checked by NCW
Approved by JMM

Mesa Gateway Airport
MESA GATEWAY AIRPORT AUTHORITY
5835 SOUTH SOSSAMAN ROAD
MESA, ARIZONA 85212
(480) 988-7600
GATEWAYAIRPORT.COM

PROJECT NAME

MESA GATEWAY AIRPORT
TAXIWAY G REALIGNMENT

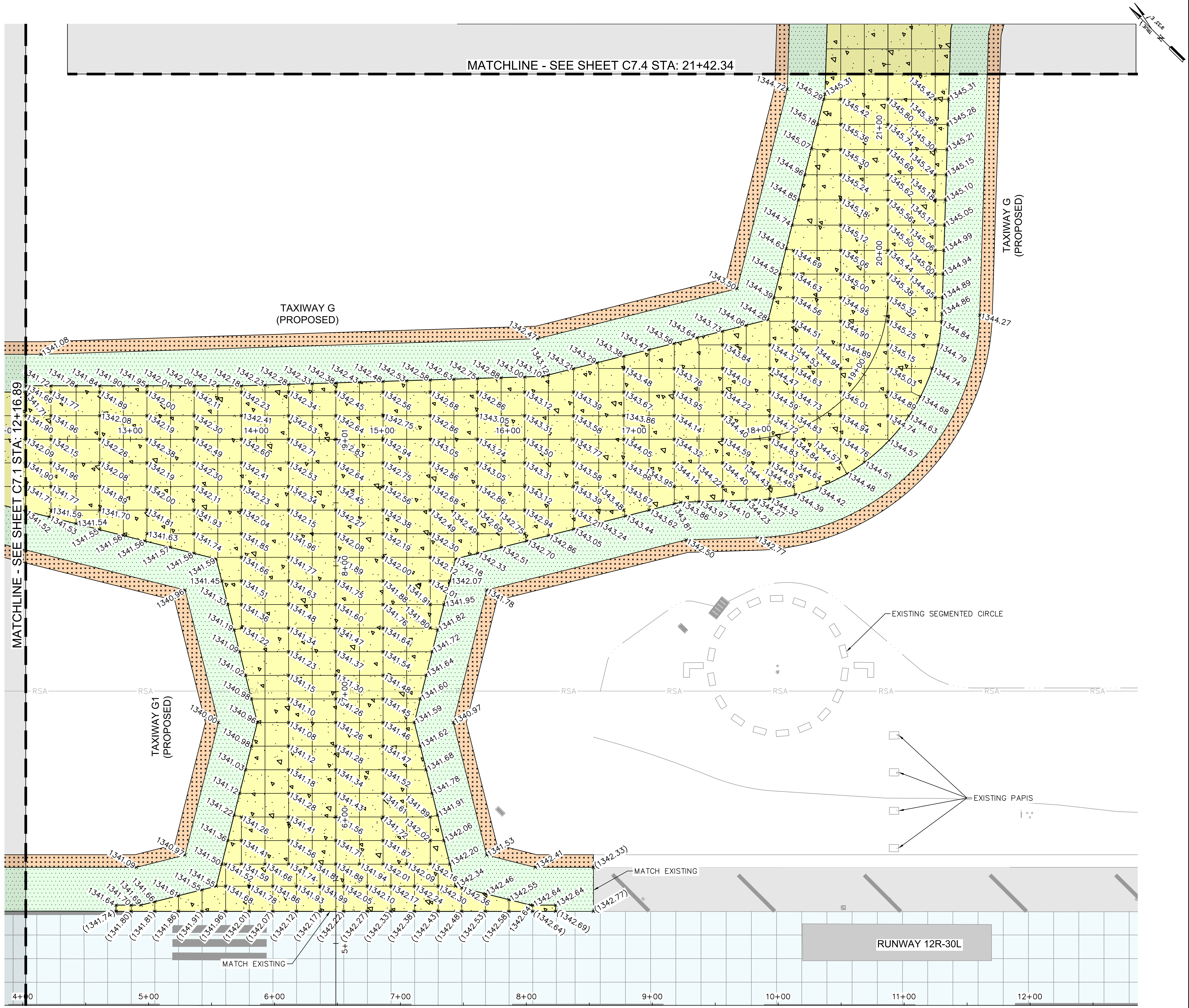
PAVING ELEVATION PLAN
SHEET 2 OF 8

PROJECT NO. 091134073

FILE NO. 091134073 - PV

C7.2

SHEET 52 of 153



LEGEND

- PORTLAND CEMENT CONCRETE PAVEMENT (P-501)
- AC PAVEMENT SHOULDER (P-403)
- AGGREGATE BASE COURSE (P-208) (STABILIZED SHOULDER SURFACE)
- +XXXX.XX PROPOSED SPOT ELEVATION
- +(XXXX.XX) MATCH EXISTING SPOT ELEVATION

GENERAL NOTES:

1. REFER TO C1.5 FOR HORIZONTAL AND VERTICAL CONTROL.
2. SPOT ELEVATIONS SHOWN ARE BASED ON JOINT LAYOUT, REFER TO PAVEMENT JOINT LAYOUT PLAN, SHEETS C9.1 THRU C9.8.
3. CONTRACTOR SHALL MATCH EXISTING PAVEMENT ELEVATIONS AS SHOWN ON PLAN. IF EXISTING ELEVATIONS DIFFER FROM THOSE SHOWN, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY.

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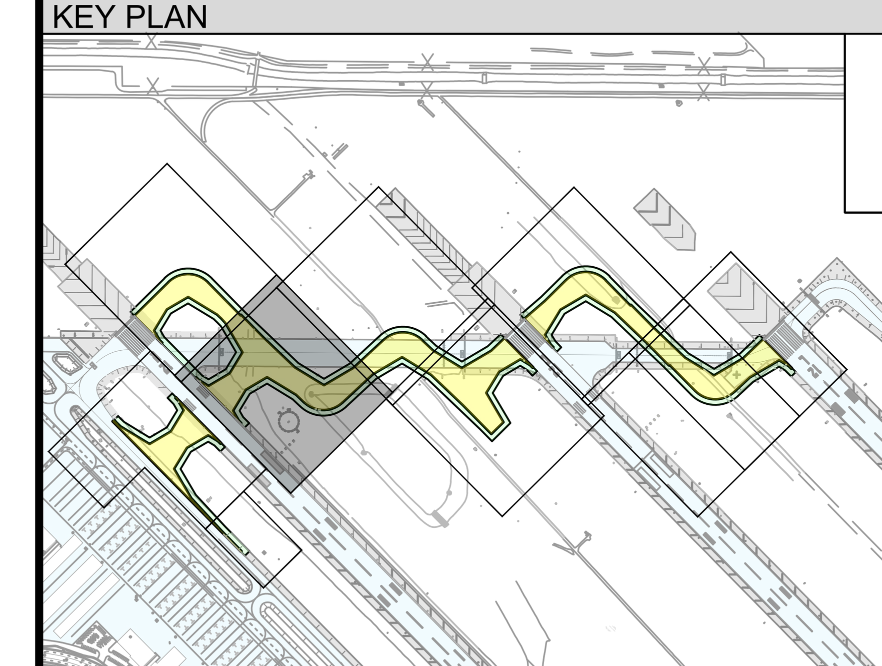

GRAPHIC SCALE
40 0 20 40 80
(IN FEET)

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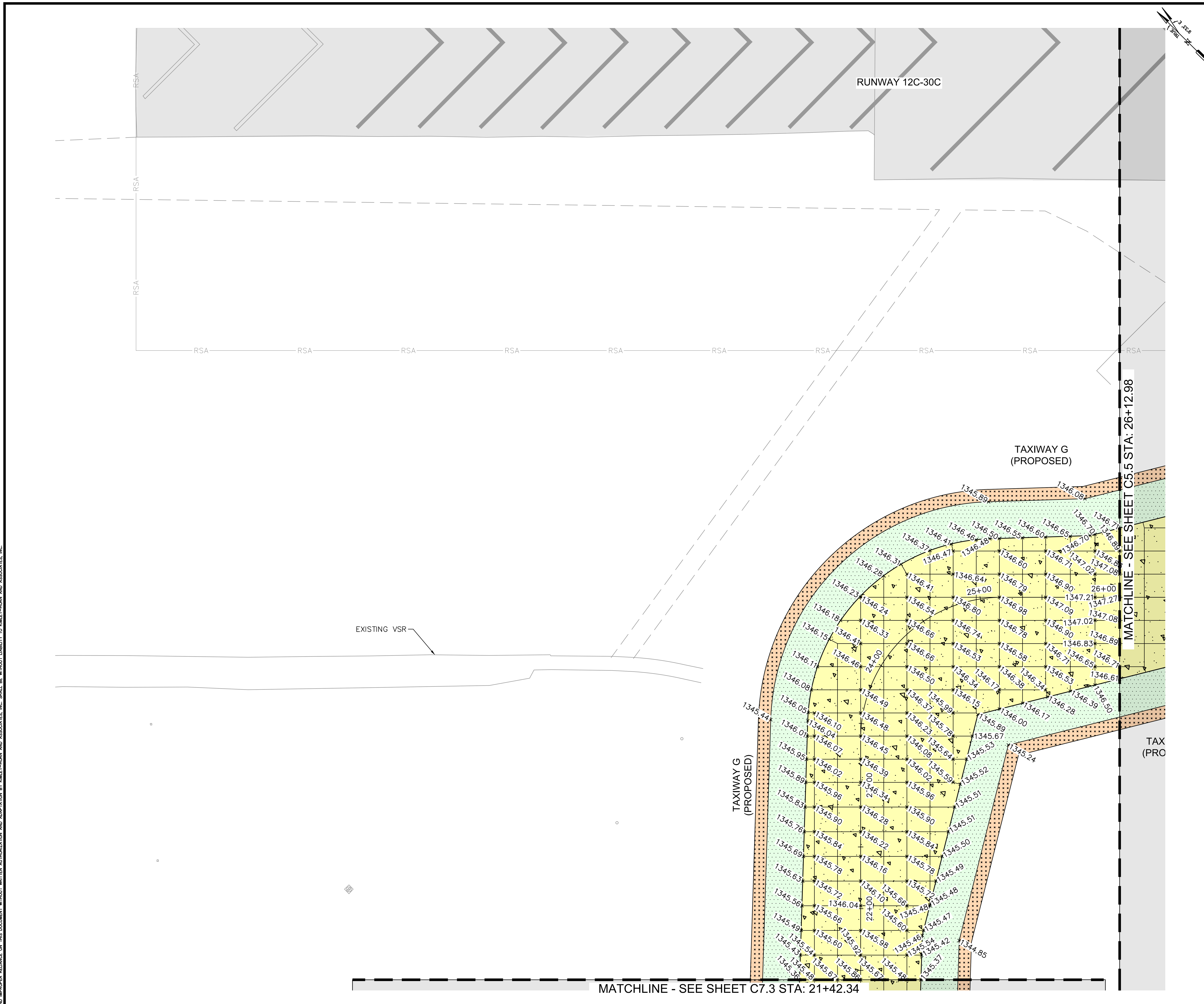
MESA GATEWAY AIRPORT
TAXIWAY G REALIGNMENT

PAVING ELEVATION PLAN
SHEET 3 OF 8

PROJECT NO. 091134073
FILE NO. 091134073 - PV

C7.3

SHEET 53 of 153



LEGEND

PORTLAND CEMENT CONCRETE PAVEMENT (P–501)

AC PAVEMENT SHOULDER (P–403)

AGGREGATE BASE COURSE (P–208) (STABILIZED SHOULDER SURFACE)

+XXXX.XX PROPOSED SPOT ELEVATION

+(XXXX.XX) MATCH EXISTING SPOT ELEVATION

GENERAL NOTES:

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2. SPOT ELEVATIONS SHOWN ARE BASED ON JOINT LAYOUT, REFER TO PAVEMENT JOINT LAYOUT PLAN, SHEETS C9.1 THRU C9.8.
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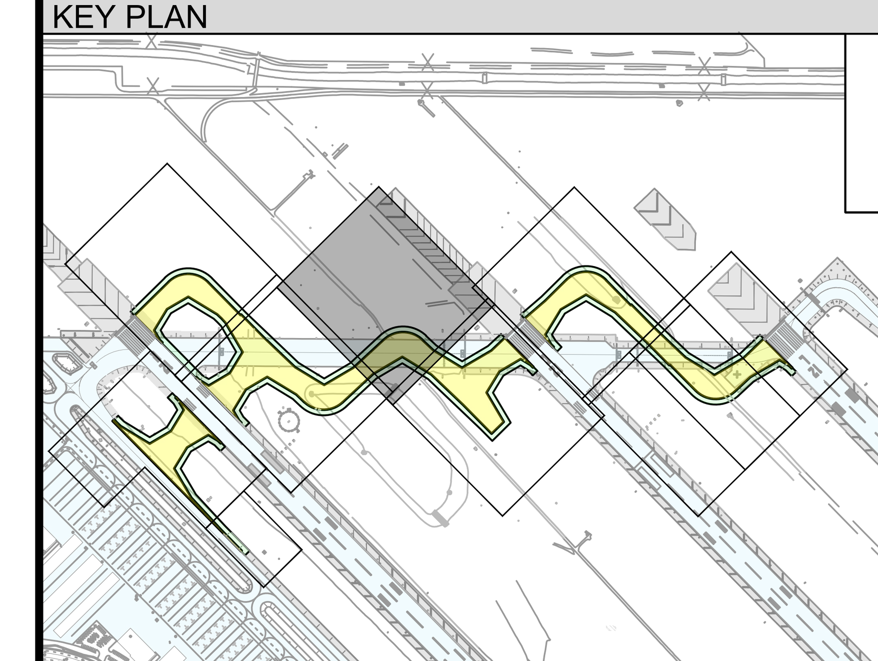

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PROJECT NAME

MESA GATEWAY AIRPORT
TAXIWAY G REALIGNMENT

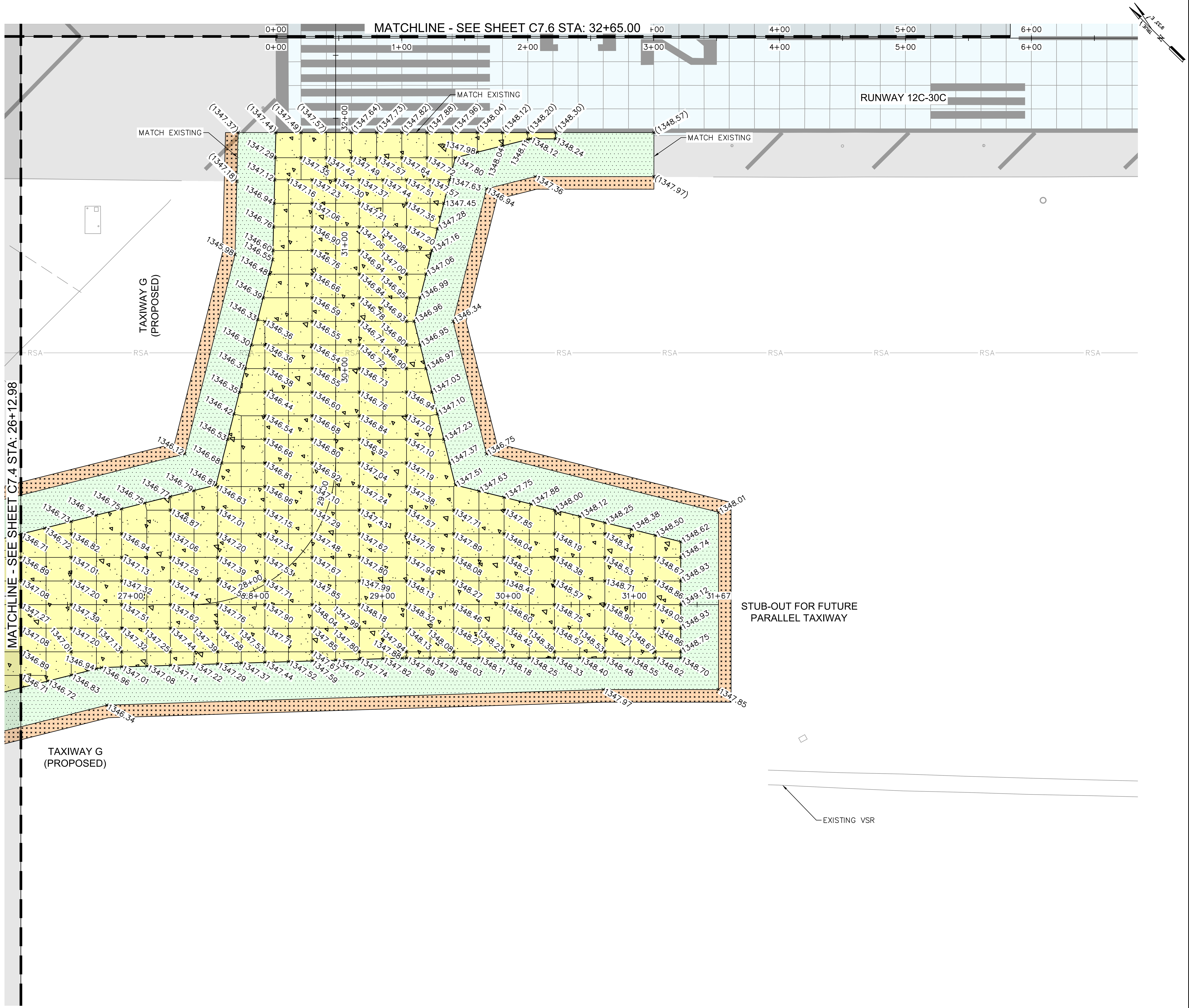
PAVING ELEVATION PLAN
SHEET 4 OF 8

PROJECT NO. 091134073

FILE NO. 091134073 - PV

C7.4

K:\EAV_Aviation\091134073 – Taxiway G Realignment\CADD\091134073 – PV.dwg Nov 26, 2025 Brad.Nisbet
XREFS: x091134073 – VS x091134073 – HT–EX x091134073 – VF x091134073 – TB x091134073 – VIEW – GEOMETRIC x091134073 – BM x091134073 – NTPV x091134073 – xBM–HTCH–COLOR x091134073 – GLKP



LEGEND

PORTLAND CEMENT CONCRETE PAVEMENT (P-501)

AC PAVEMENT SHOULDER (P-403)

AGGREGATE BASE COURSE (P-208) (STABILIZED SHOULDER SURFACE)

+XXXX.XX PROPOSED SPOT ELEVATION

+(XXXX.XX) MATCH EXISTING SPOT ELEVATION

GENERAL NOTES:

1. REFER TO C1.5 FOR HORIZONTAL AND VERTICAL CONTROL.
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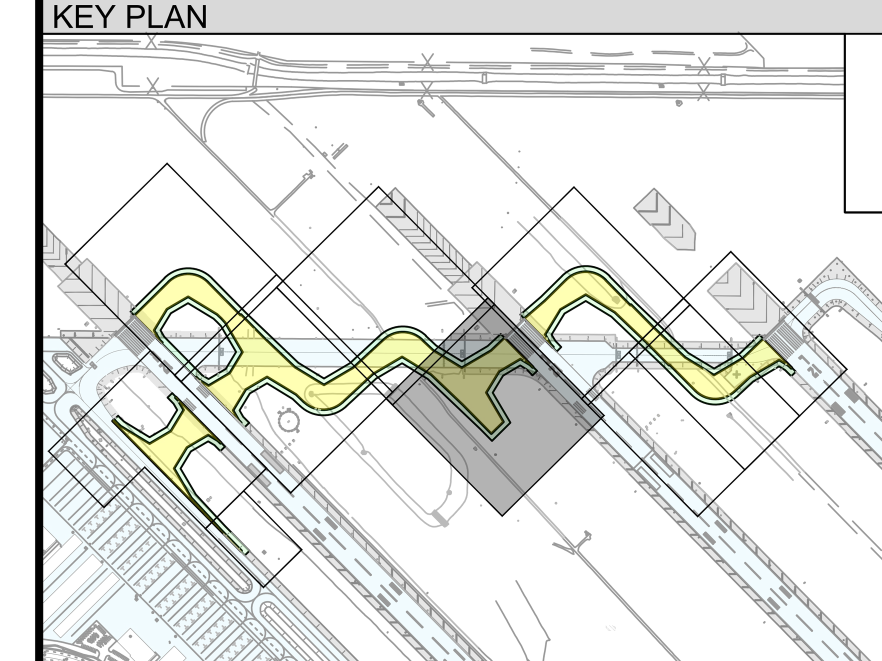

GRAPHIC SCALE

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FIRM'S SEAL

SCALE
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Vert.

Date 11/26/2025
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Drawn by JCC
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Approved by JMM

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GATEWAYAIRPORT.COM

PROJECT NAME

MESA GATEWAY AIRPORT
TAXIWAY G REALIGNMENT

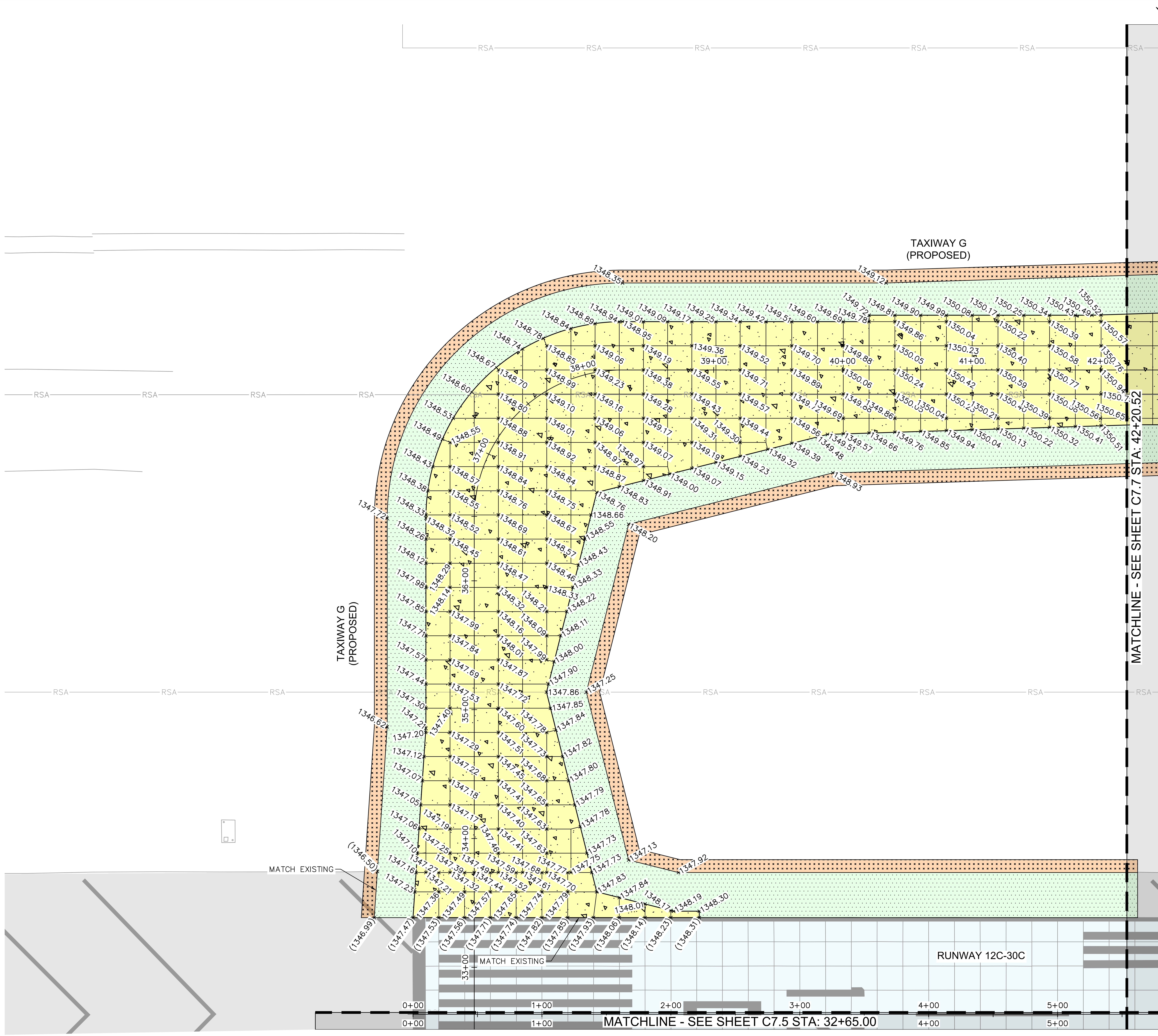
PAVING ELEVATION PLAN
SHEET 5 OF 8

PROJECT NO. 091134073

FILE NO. 091134073 - PV

C7.5

SHEET 55 of 153



LEGEND

PORTLAND CEMENT CONCRETE PAVEMENT (P-501)

AC PAVEMENT SHOULDER (P-403)

AGGREGATE BASE COURSE (P-208) (STABILIZED SHOULDER SURFACE)

+XXXX.XX PROPOSED SPOT ELEVATION

+(XXXX.XX) MATCH EXISTING SPOT ELEVATION

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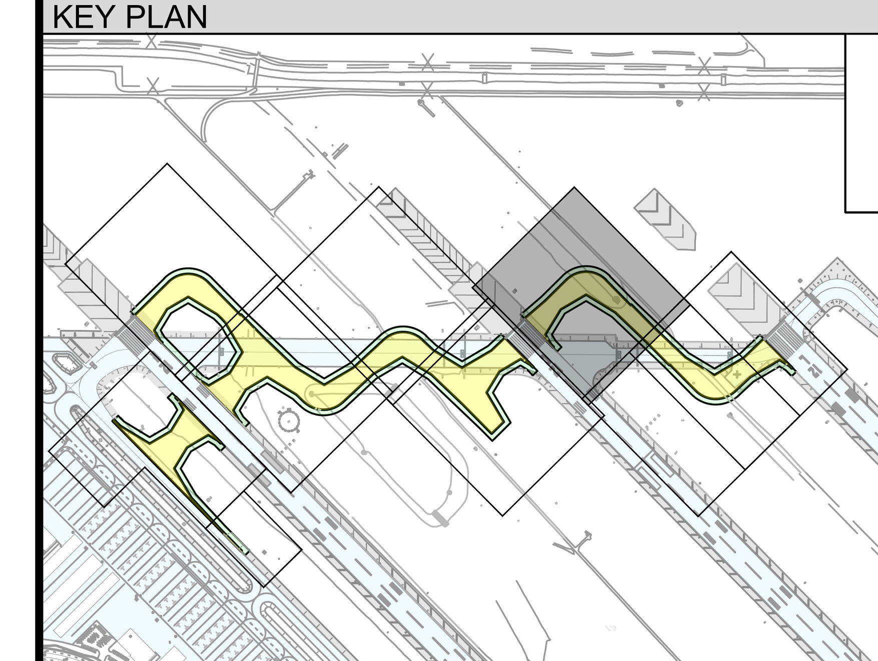

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Vert.

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GATEWAYAIRPORT.COM

PROJECT NAME

MESA GATEWAY AIRPORT
TAXIWAY G REALIGNMENT

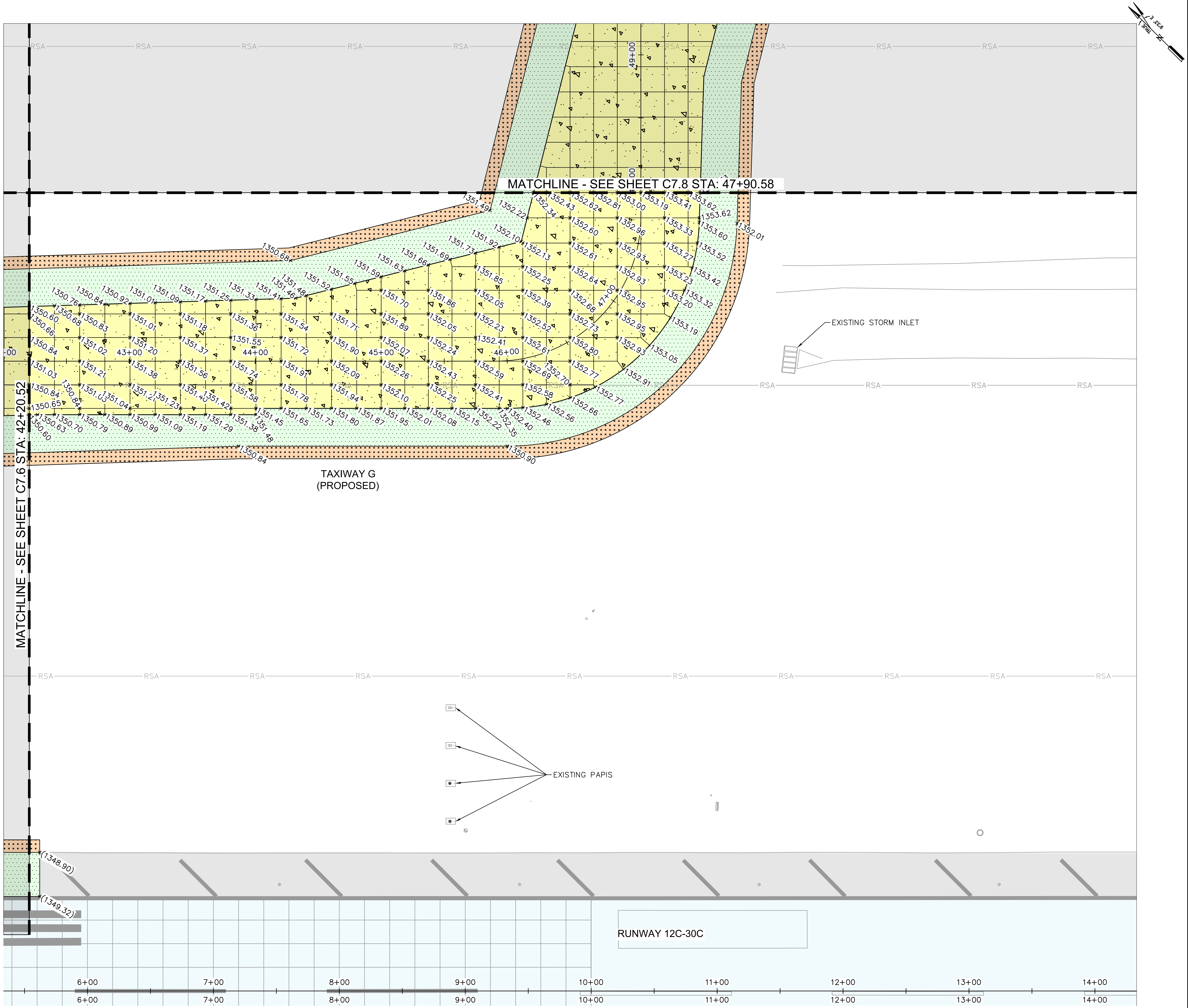
PAVING ELEVATION PLAN

SHEET 6 OF 8

PROJECT NO. 091134073

FILE NO. 091134073 - PV

C7.6



LEGEND

PORTLAND CEMENT CONCRETE PAVEMENT (P-501)

AC PAVEMENT SHOULDER (P-403)

AGGREGATE BASE COURSE (P-208) (STABILIZED SHOULDER SURFACE)

+XXXX.XX PROPOSED SPOT ELEVATION

+(XXXX.XX) MATCH EXISTING SPOT ELEVATION

GENERAL NOTES:

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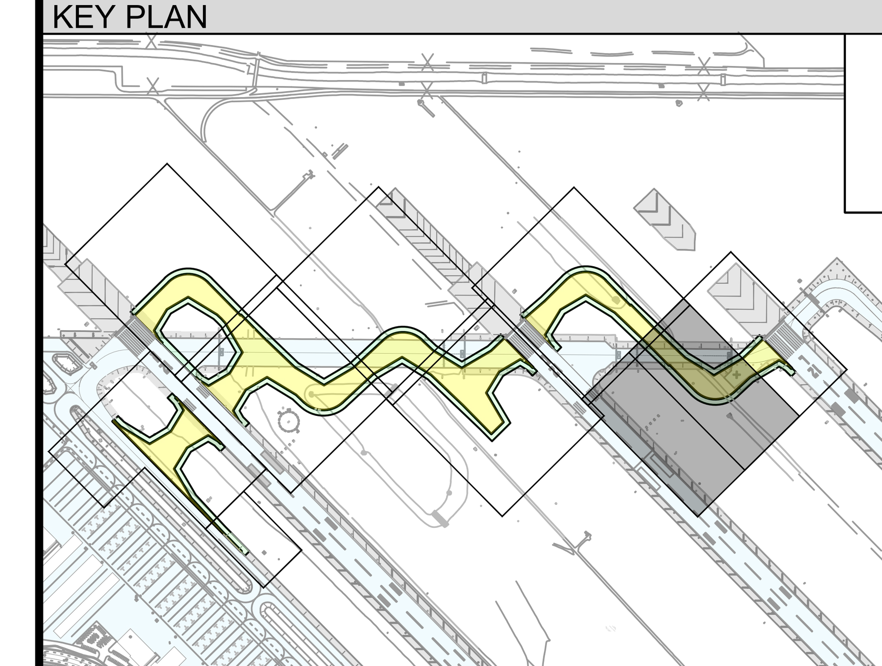

GRAPHIC SCALE

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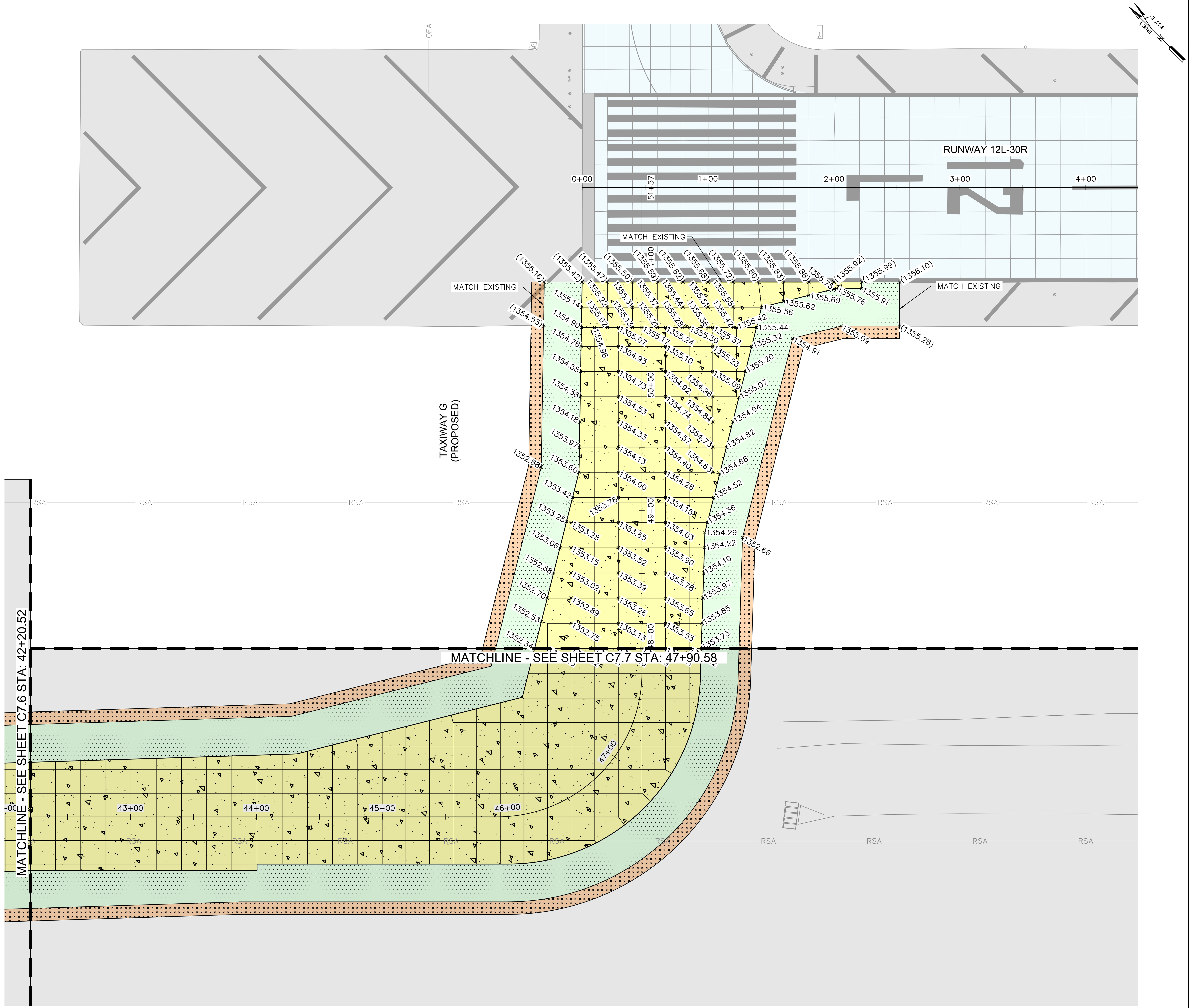
MESA GATEWAY AIRPORT
TAXIWAY G REALIGNMENT

PAVING ELEVATION PLAN
SHEET 7 OF 8

PROJECT NO. 091134073

FILE NO. 091134073 - PV

C7.7



LEGEND

PORTLAND CEMENT CONCRETE PAVEMENT (P-501)

AC PAVEMENT SHOULDER (P-403)

AGGREGATE BASE COURSE (P-208) (STABILIZED SHOULDER SURFACE)

+XXXX.XX PROPOSED SPOT ELEVATION

+(XXXX.XX) MATCH EXISTING SPOT ELEVATION

GENERAL NOTES:

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2. SPOT ELEVATIONS SHOWN ARE BASED ON JOINT LAYOUT, REFER TO PAVEMENT JOINT LAYOUT PLAN, SHEETS C9.1 THRU C9.8.
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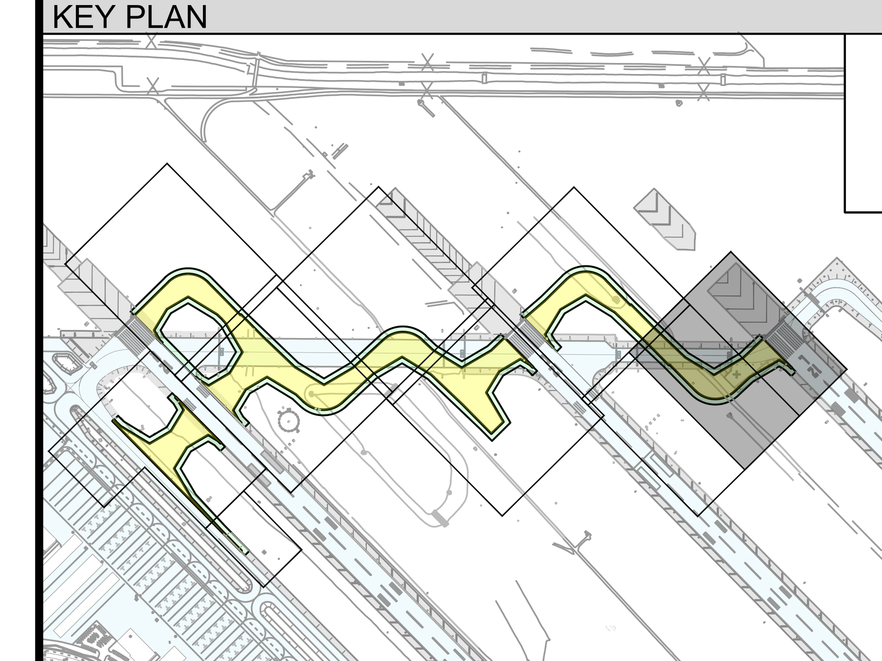

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PROJECT NAME

MESA GATEWAY AIRPORT
TAXIWAY G REALIGNMENT

PAVING ELEVATION PLAN
SHEET 8 OF 8

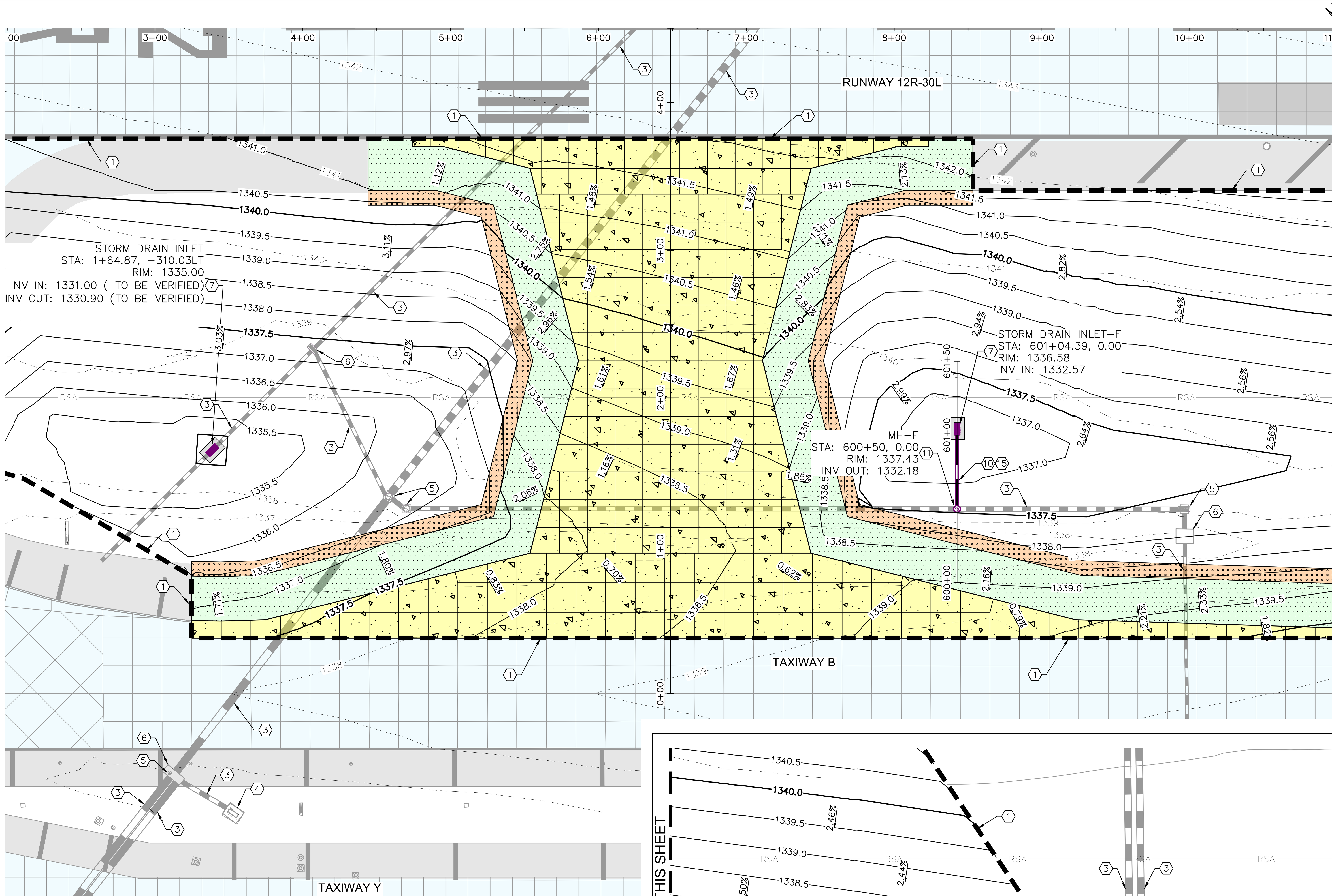
PROJECT NO. 091134073

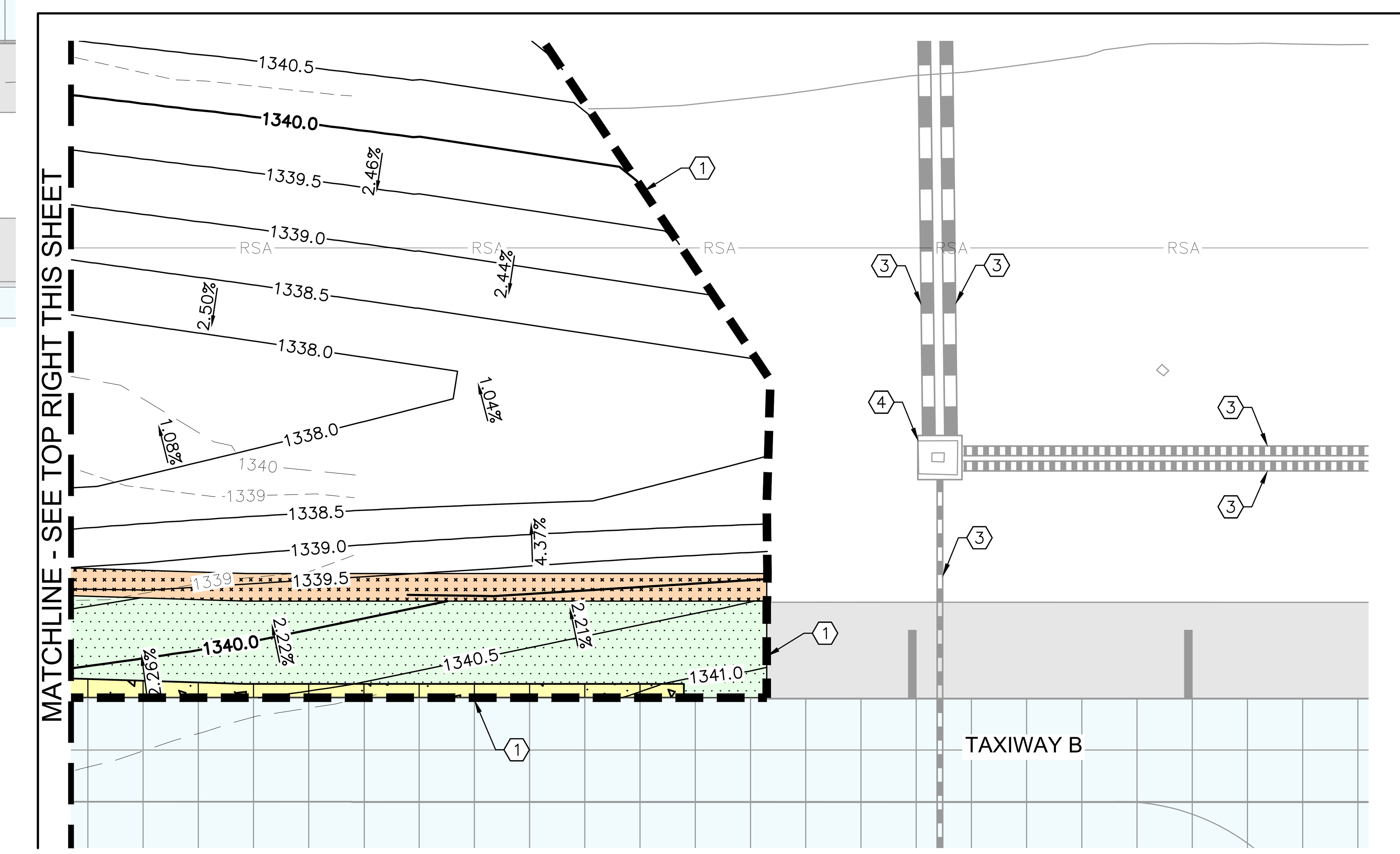
FILE NO. 091134073 - PV

C7.8

SHEET 58 of 153

K:\EAV_Aviation\091134073 - Taxiway G Realignment\CADD\091134073 - PV.dwg Nov 26, 2025 Brad.Nisbet





CONSTRUCTION NOTES:

1. MATCH EXISTING GRADE
2. MATCH/TIE INTO EXISTING FLOW LINE
3. EXISTING STORM DRAIN TO REMAIN PROTECTED IN PLACE
4. EXISTING STORM STRUCTURE TO REMAIN PROTECTED IN PLACE
5. ADJUST EXISTING HANDHOLE/MANHOLE LID
6. ADJUST EXISTING STORM DRAIN INLET TO GRADE
7. INSTALL SINGLE STORM DRAIN INLET PER STORM DRAIN PROFILES SHEETS C8.11 – C8.15
8. INSTALL DUAL STORM DRAIN INLET PER STORM DRAIN PROFILES SHEETS C8.11 – C8.15
9. INSTALL TRIPLE STORM DRAIN INLET PER STORM DRAIN PROFILES SHEETS C8.11 – C8.15
10. INSTALL RGRCP STORM DRAIN PER STORM DRAIN PROFILES SHEETS C8.11 – C8.15
11. INSTALL MANHOLE PER STORM DRAIN PROFILES SHEETS C8.11 – C8.15
12. INSTALL HEADWALL PER STORM DRAIN PROFILES SHEETS C8.11 – C8.15
13. INSTALL RGRCP FLARED END SECTION PER STORM DRAIN PROFILES SHEETS C8.11 – C8.15
14. INSTALL RIPRAP PER PER STORM DRAIN PROFILES SHEETS C8.11 – C8.15
15. INSTALL CLSM BACKFILL PER STORM DRAIN PROFILES SHEETS C8.11 – C8.15
16. INSTALL 2" SHOTCRETE AROUND OUTLET PER DETAILS SHEET PER STORM DRAIN PROFILES SHEETS C8.11 – C8.15
17. CLEAR/CLEAN EXISTING FLARED END STRUCTURE FROM MILLINGS/DIRT/DEBRIS, AND RECOMPACT ADJACENT GRADE AS NEEDED TO MAINTAIN POSITIVE DRAINAGE (NPI)

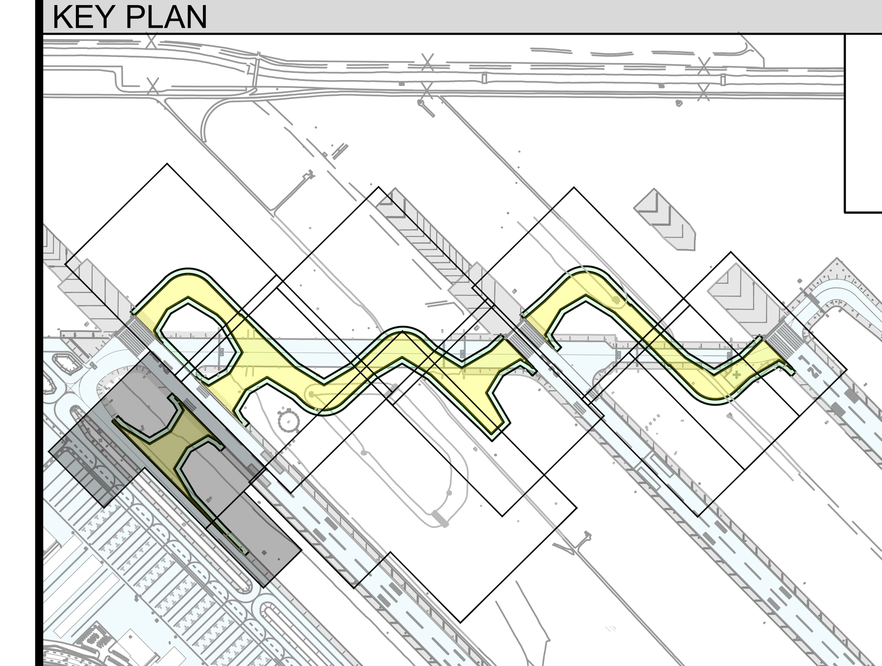
LEGEND

- PORTLAND CEMENT CONCRETE PAVEMENT (P-501)
- AC PAVEMENT SHOULDER (P-403)
- MAG AGGREGATE STABILIZED SHOULDER (P-208)
- INSTALL RIPRAP (MAG 220.5)
- INSTALL 2" SHOTCRETE
- COMPACTED AC MILLINGS (VSR)
- 1350 EXISTING CONTOUR
- 1350 PROPOSED CONTOUR
- ?.??% FLOW DIRECTION
- FLOW LINE
- GRADE BREAK
- GRADING LIMITS
- EXISTING STORM DRAIN PIPE
- EXISTING STORM DRAIN MANHOLE
- EXISTING STORM DRAIN INLET
- EXISTING STORM DRAIN HEADWALL
- EXISTING STORM DRAIN OUTLET STRUCTURE
- PROPOSED STORM DRAIN PIPE
- PROPOSED STORM DRAIN MANHOLE
- PROPOSED STORM DRAIN INLET
- PROPOSED STORM DRAIN HEADWALL
- PROPOSED STORM DRAIN OUTLET STRUCTURE

GENERAL NOTES:

1. REFER TO SHEETS C4.1 THRU C4.3 FOR TYPICAL SECTIONS.
2. REFER TO C1.5 FOR HORIZONTAL CONTROL.
3. DESIGN CONTOURS REPRESENT FINISHED SURFACE.
4. REFER TO ELECTRICAL LAYOUT PLANS FOR AIRFIELD LIGHTING AND SIGNING SYSTEM (NOT SHOWN).
5. CONTRACTOR SHALL MATCH EXISTING PAVEMENT ELEVATIONS AS SHOWN ON PLAN. IF EXISTING ELEVATIONS DIFFER FROM THOSE SHOWN, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY.

KEY PLAN



GRAPHIC SCALE

40 0 20 40 80

(IN FEET)

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Mesa, Arizona 85210 (480) 207-2666

FIRM'S SEAL

SCALE Horiz. 1" = 40' Vert.

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MESA, ARIZONA 85212
(480) 988-7600
GATEWAYAIRPORT.COM

PROJECT NAME
MESA GATEWAY AIRPORT
TAXIWAY G REALIGNMENT

GRADING AND DRAINAGE PLAN

SHEET 1 OF 9

PROJECT NO. 091134073

FILE NO. 091134073 - GD

C8.1

CONSTRUCTION NOTES:

1. MATCH EXISTING GRADE
2. MATCH/TIE INTO EXISTING FLOW LINE
3. EXISTING STORM DRAIN TO REMAIN PROTECTED IN PLACE
4. EXISTING STORM STRUCTURE TO REMAIN PROTECTED IN PLACE
5. ADJUST EXISTING HANDHOLE/MANHOLE LID
6. ADJUST EXISTING STORM DRAIN INLET TO GRADE
7. INSTALL SINGLE STORM DRAIN INLET PER STORM DRAIN PROFILES SHEETS C8.11 – C8.15
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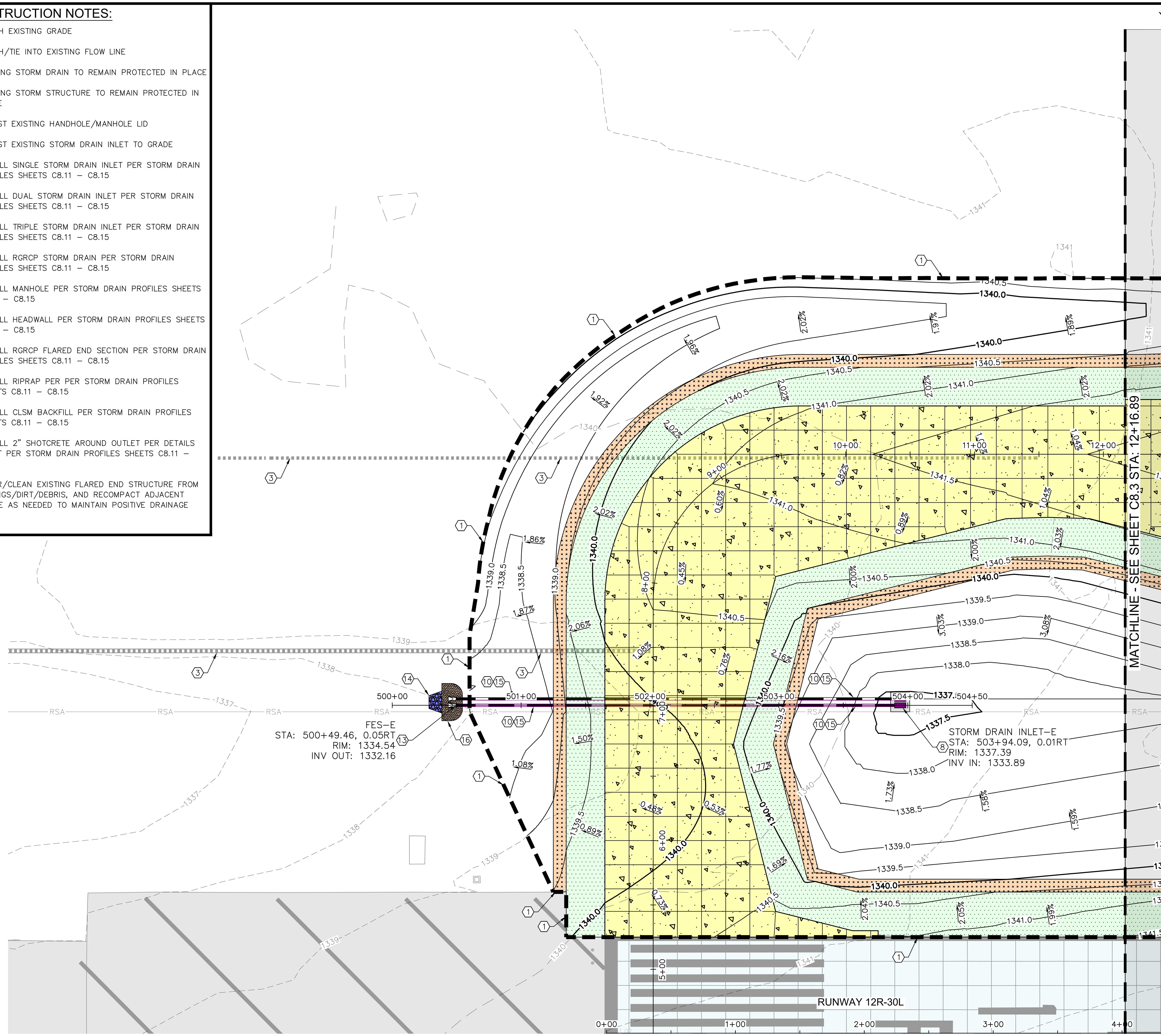
17. CLEAR/CLEAN EXISTING FLARED END STRUCTURE FROM MILLINGS/DIRT/DEBRIS, AND RECOMPACT ADJACENT GRADE AS NEEDED TO MAINTAIN POSITIVE DRAINAGE (NPI)



LEGEND

- PORTLAND CEMENT CONCRETE PAVEMENT (P-501)
- AC PAVEMENT SHOULDER (P-403)
- MAG AGGREGATE STABILIZED SHOULDER (P-208)
- INSTALL RIPRAP (MAG 220.5)
- INSTALL 2" SHOTCRETE
- COMPACTED AC MILLINGS (VSR)
- 1350 EXISTING CONTOUR
- 1350 PROPOSED CONTOUR
- ?.?? FLOW DIRECTION
- FLOW LINE
- GRADE BREAK
- GRADING LIMITS
- EXISTING STORM DRAIN PIPE
- EXISTING STORM DRAIN MANHOLE
- EXISTING STORM DRAIN INLET
- EXISTING STORM DRAIN HEADWALL
- EXISTING STORM DRAIN OUTLET STRUCTURE
- PROPOSED STORM DRAIN PIPE
- PROPOSED STORM DRAIN MANHOLE
- PROPOSED STORM DRAIN INLET
- PROPOSED STORM DRAIN HEADWALL
- PROPOSED STORM DRAIN OUTLET STRUCTURE

GENERAL NOTES:

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2. REFER TO C1.5 FOR HORIZONTAL CONTROL.
3. DESIGN CONTOURS REPRESENT FINISHED SURFACE.
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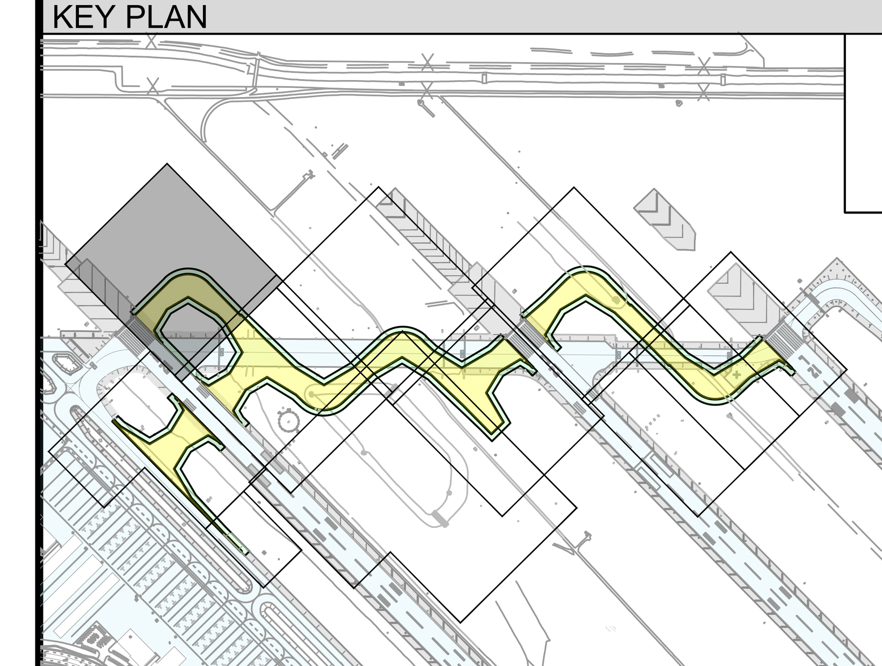
KEY PLAN



GRAPHIC SCALE
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Vert.
Date 11/26/2025
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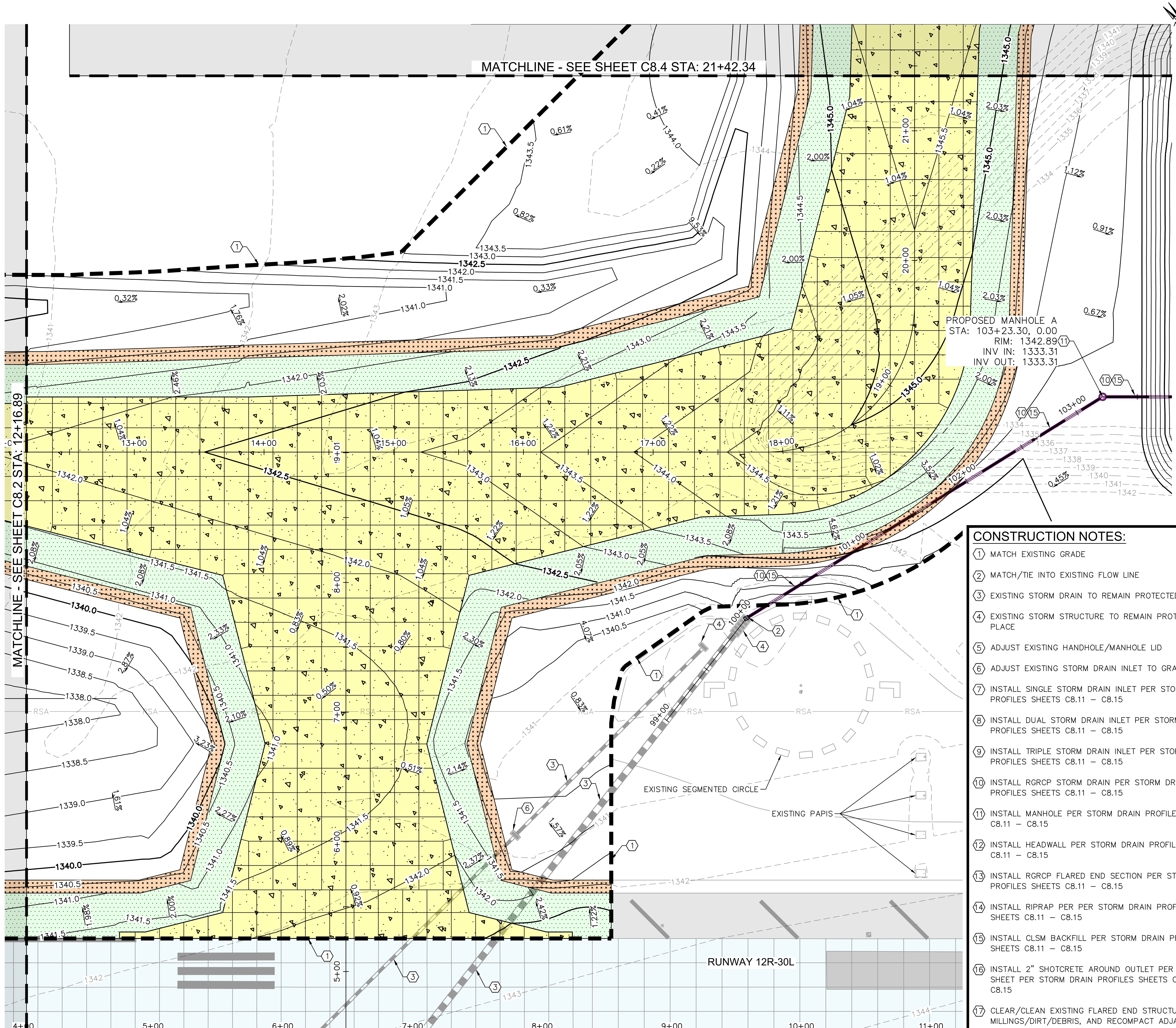
PROJECT NAME
MESA GATEWAY AIRPORT
TAXIWAY G REALIGNMENT
GRADING AND DRAINAGE PLAN
SHEET 2 OF 9

PROJECT NO. 091134073
FILE NO. 091134073 - GD
C8.2
SHEET 60 of 153



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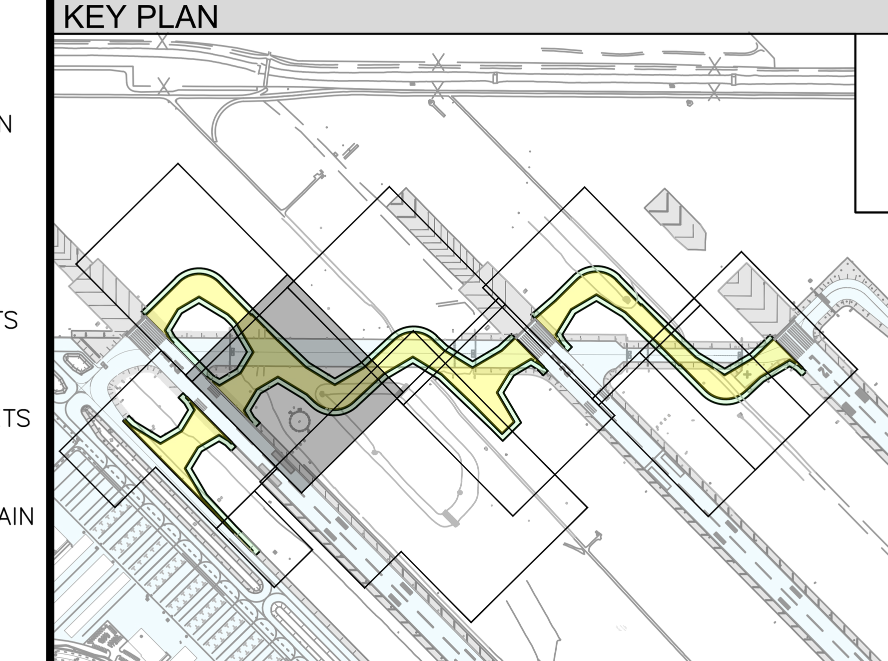
KEY PLAN



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PROJECT NAME

MESA GATEWAY AIRPORT
TAXIWAY G REALIGNMENT

GRADING AND DRAINAGE PLAN

SHEET 3 OF 9

PROJECT NO. 091134073

FILE NO. 091134073 - GD

C8.3

CONSTRUCTION NOTES:

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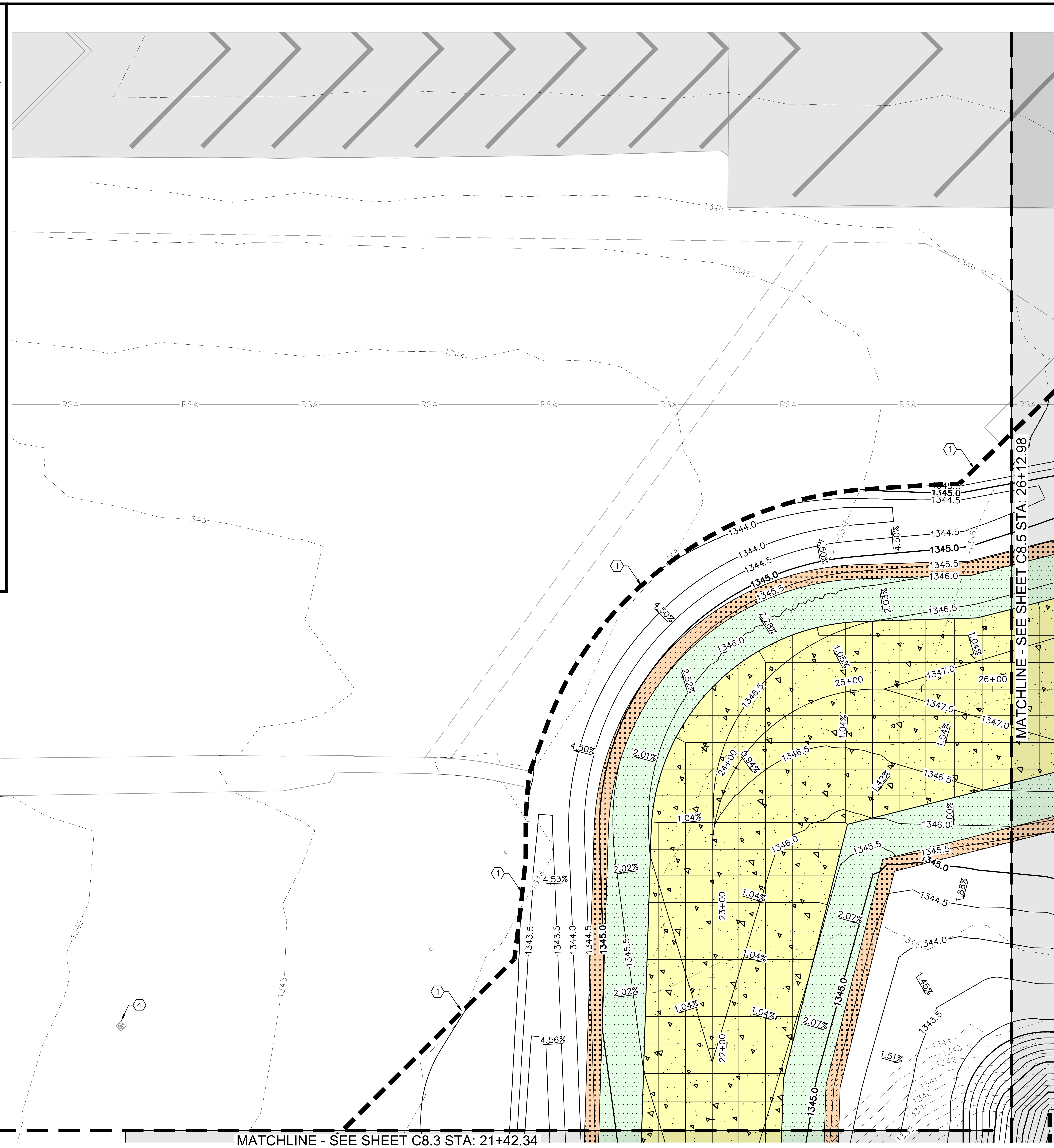

LEGEND

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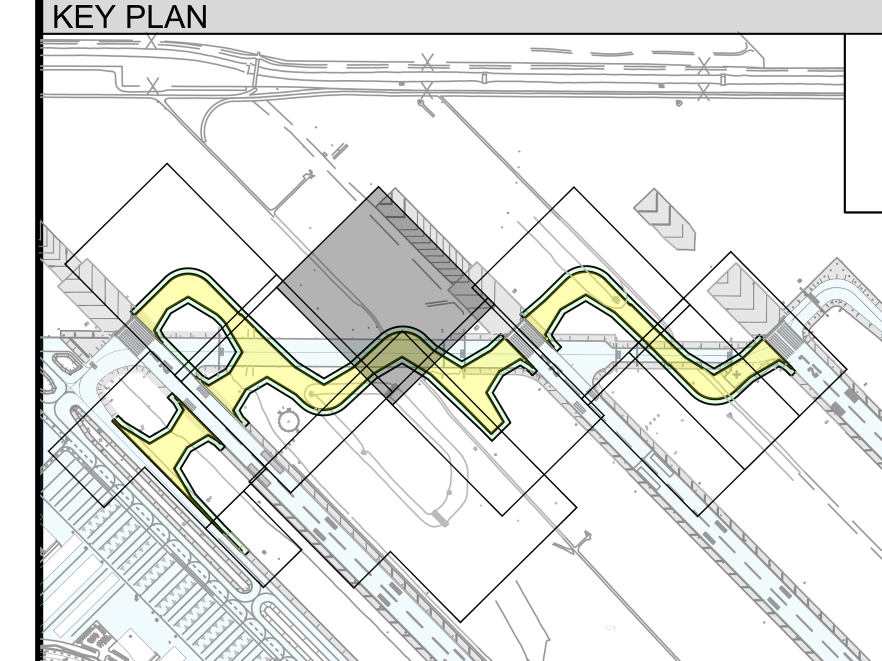
KEY PLAN



GRAPHIC SCALE

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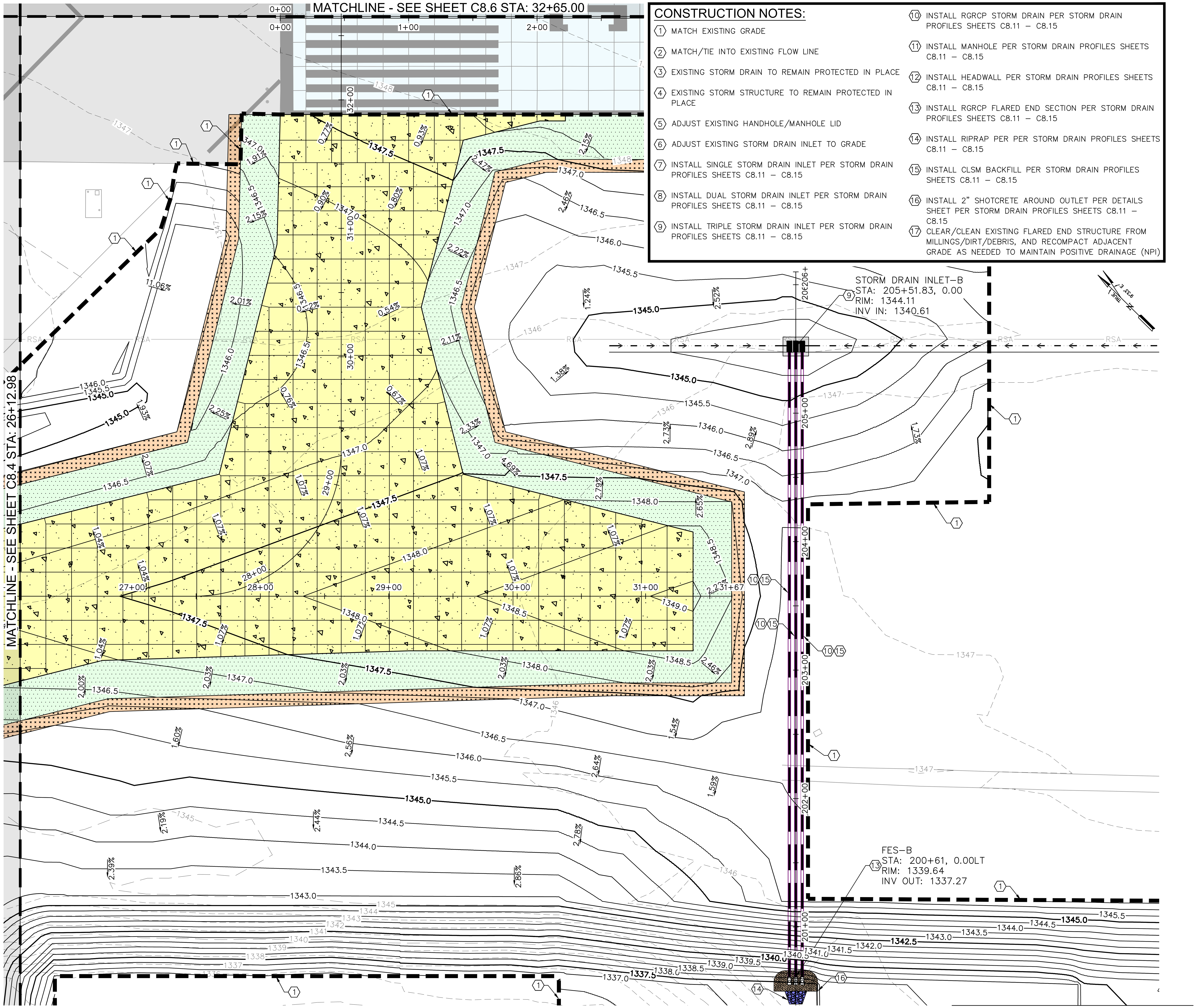
MESA GATEWAY AIRPORT
TAXIWAY G REALIGNMENT

GRADING AND DRAINAGE PLAN
SHEET 4 OF 9

PROJECT NO. 091134073
FILE NO. 091134073 - GD

C8.4



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LEGEND

PORTLAND CEMENT CONCRETE PAVEMENT (P–501)
AC PAVEMENT SHOULDER (P–403)
MAG AGGREGATE STABILIZED SHOULDER (P–208)
INSTALL RIPRAP (MAG 220.5)
INSTALL 2" SHOTCRETE
COMPACTED AC MILLINGS (VSR)
1350 EXISTING CONTOUR
1350 PROPOSED CONTOUR
?.??% FLOW DIRECTION
FLOW LINE
GRADE BREAK
GRADING LIMITS
EXISTING STORM DRAIN PIPE
EXISTING STORM DRAIN MANHOLE
EXISTING STORM DRAIN INLET
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EXISTING STORM DRAIN OUTLET STRUCTURE
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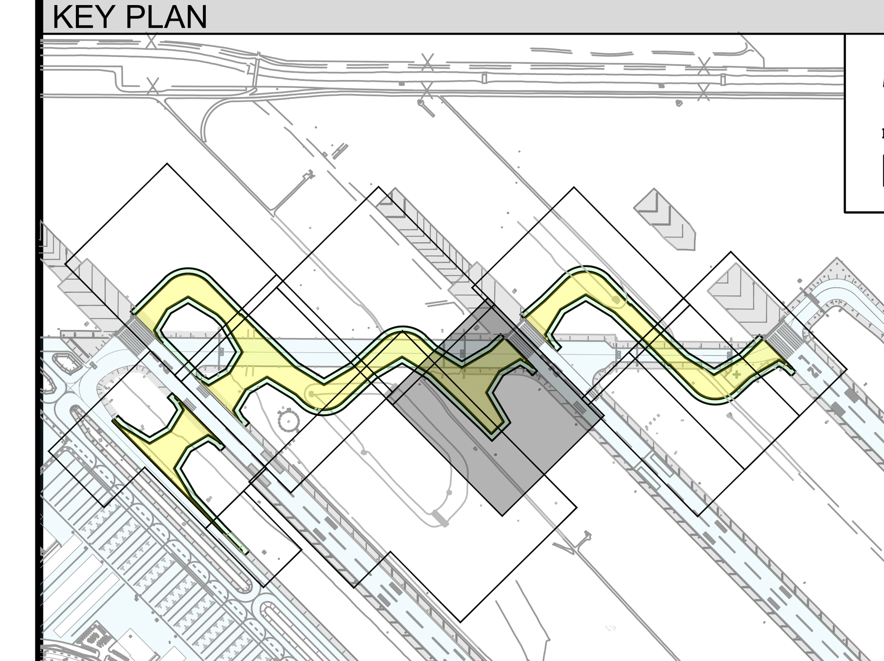
KEY PLAN



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TAXIWAY G REALIGNMENT

GRADING AND DRAINAGE PLAN
SHEET 5 OF 9

PROJECT NO. 091134073
FILE NO. 091134073 - GD
C8.5
SHEET 63 of 153

CONSTRUCTION NOTES:

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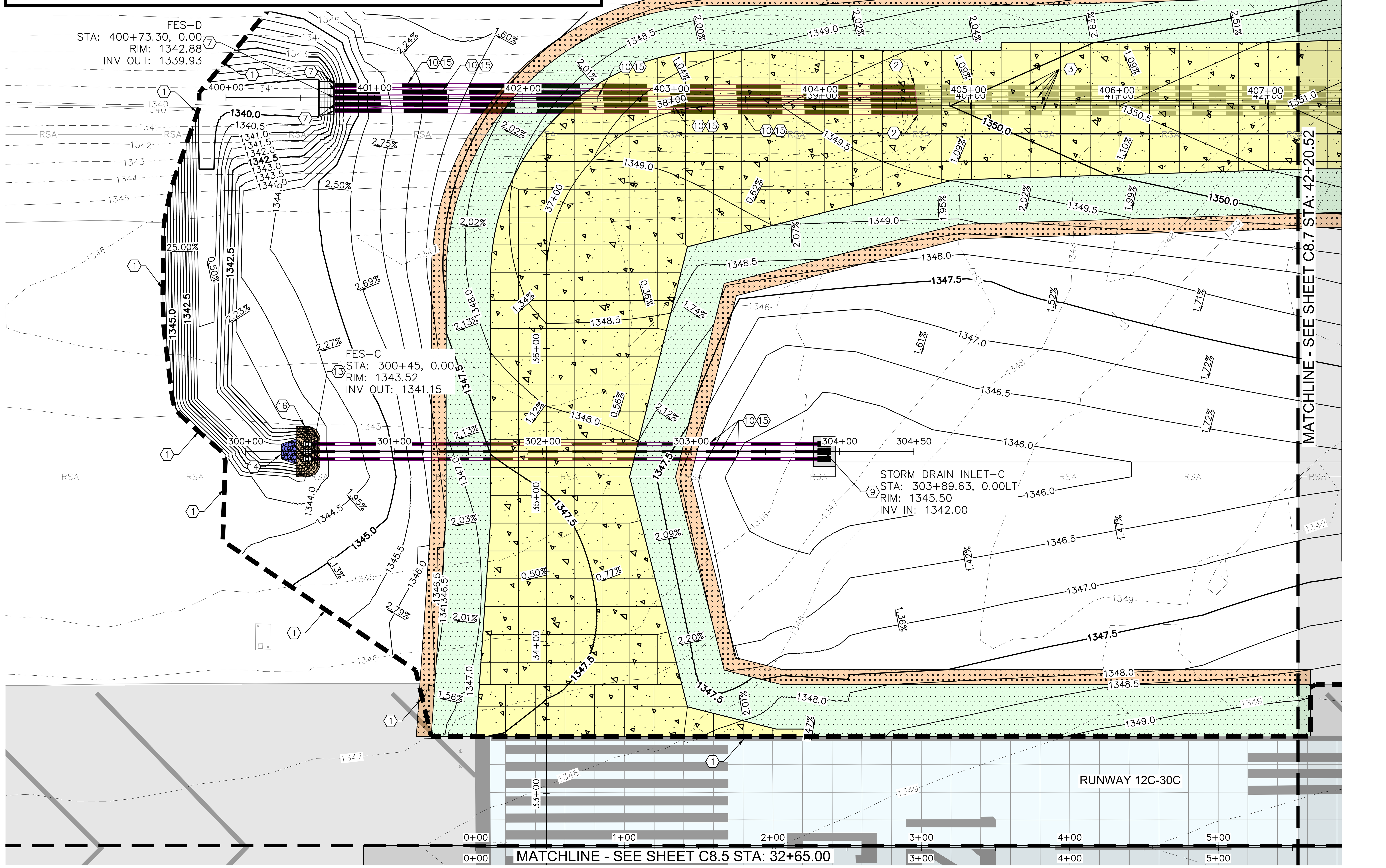

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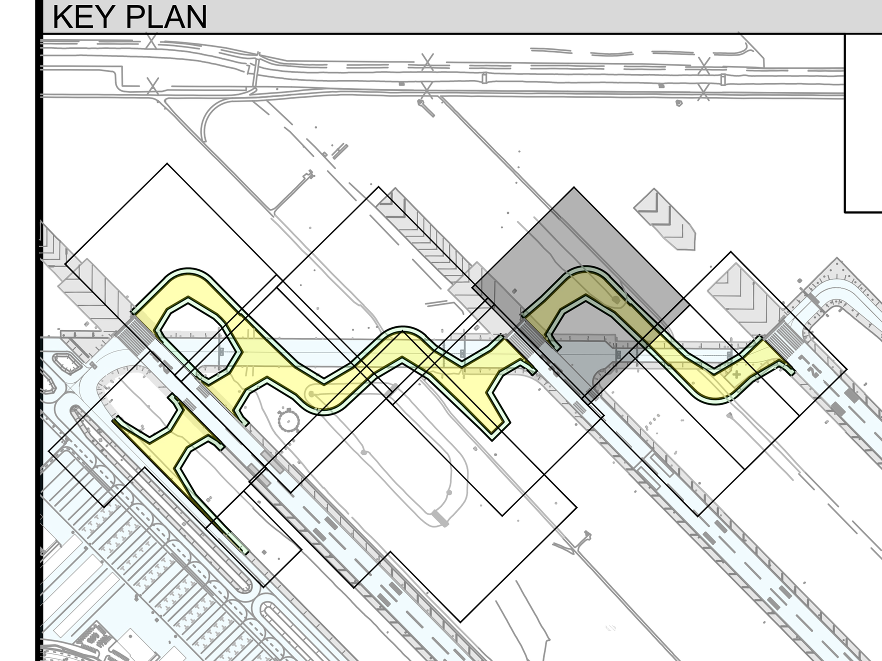

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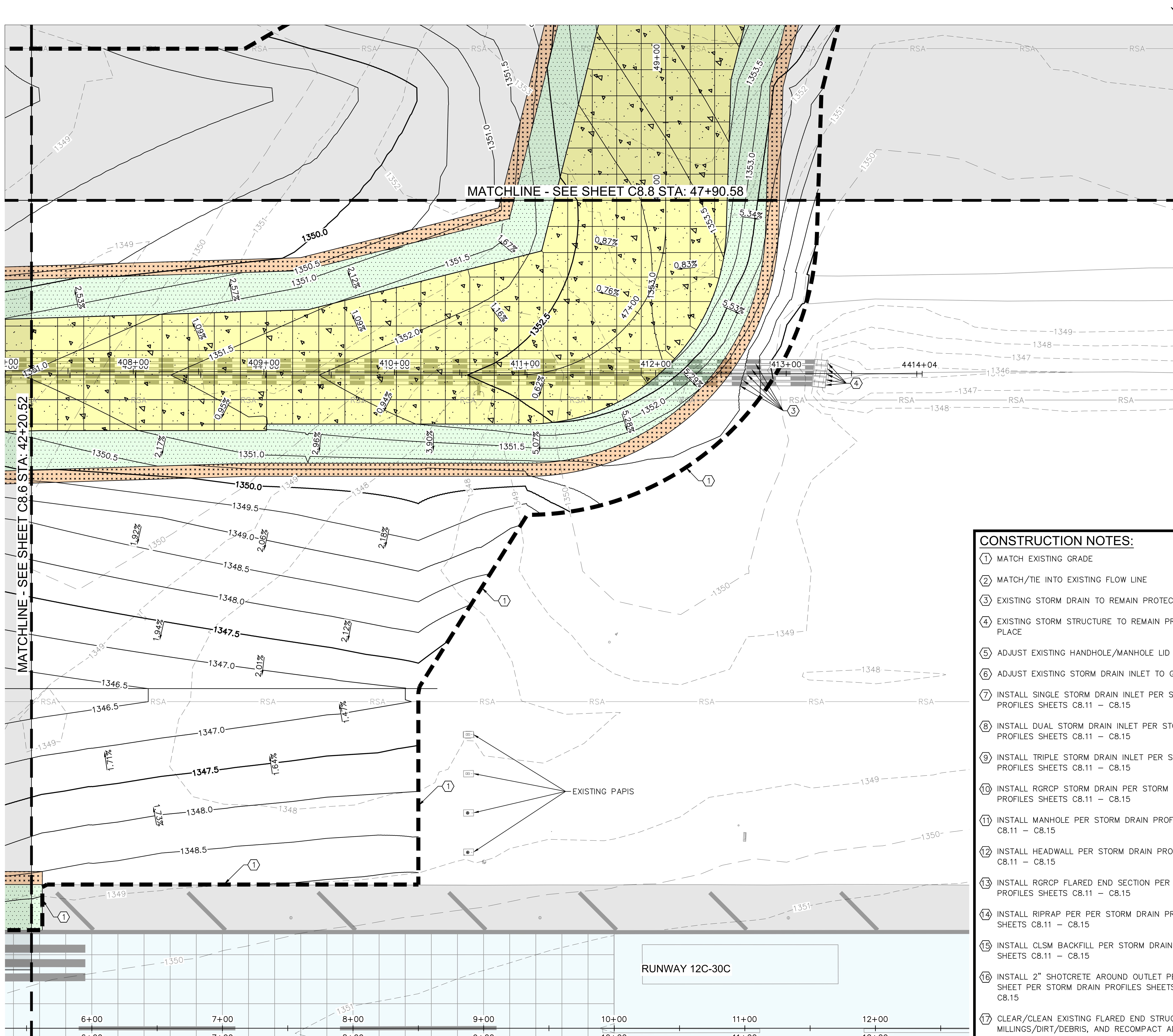
GRADING AND DRAINAGE PLAN
SHEET 6 OF 9

PROJECT NO. 091134073
FILE NO. 091134073 - GD
C8.6
SHEET 64 of 153



LEGEND

- PORTLAND CEMENT CONCRETE PAVEMENT (P-501)
- AC PAVEMENT SHOULDER (P-403)
- MAG AGGREGATE STABILIZED SHOULDER (P-208)
- INSTALL RIPRAP (MAG 220.5)
- INSTALL 2" SHOTCRETE
- COMPACTED AC MILLINGS (VSR)
- EXISTING CONTOUR
- PROPOSED CONTOUR
- FLOW DIRECTION
- FLOW LINE
- GRADE BREAK
- GRADING LIMITS
- EXISTING STORM DRAIN PIPE
- EXISTING STORM DRAIN MANHOLE
- EXISTING STORM DRAIN INLET
- EXISTING STORM DRAIN HEADWALL
- EXISTING STORM DRAIN OUTLET STRUCTURE
- PROPOSED STORM DRAIN PIPE
- PROPOSED STORM DRAIN MANHOLE
- PROPOSED STORM DRAIN INLET
- PROPOSED STORM DRAIN HEADWALL
- PROPOSED STORM DRAIN OUTLET STRUCTURE

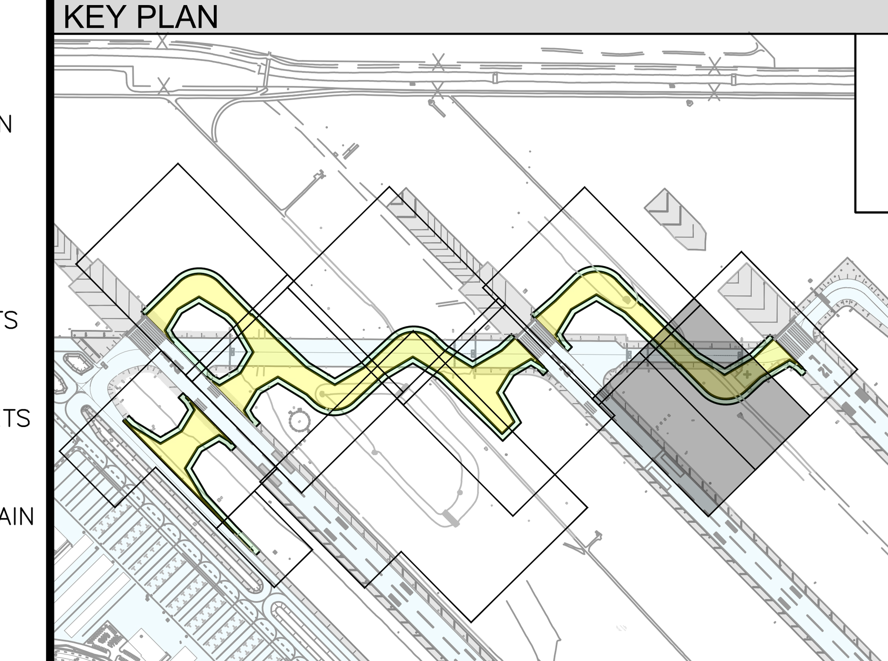
CONSTRUCTION NOTES:

1. MATCH EXISTING GRADE
2. MATCH/TIE INTO EXISTING FLOW LINE
3. EXISTING STORM DRAIN TO REMAIN PROTECTED IN PLACE
4. EXISTING STORM STRUCTURE TO REMAIN PROTECTED IN PLACE
5. ADJUST EXISTING HANDHOLE/MANHOLE LID
6. ADJUST EXISTING STORM DRAIN INLET TO GRADE
7. INSTALL SINGLE STORM DRAIN INLET PER STORM DRAIN PROFILES SHEETS C8.11 – C8.15
8. INSTALL DUAL STORM DRAIN INLET PER STORM DRAIN PROFILES SHEETS C8.11 – C8.15
9. INSTALL TRIPLE STORM DRAIN INLET PER STORM DRAIN PROFILES SHEETS C8.11 – C8.15
10. INSTALL RGRCP STORM DRAIN PER STORM DRAIN PROFILES SHEETS C8.11 – C8.15
11. INSTALL MANHOLE PER STORM DRAIN PROFILES SHEETS C8.11 – C8.15
12. INSTALL HEADWALL PER STORM DRAIN PROFILES SHEETS C8.11 – C8.15
13. INSTALL RGRCP FLARED END SECTION PER STORM DRAIN PROFILES SHEETS C8.11 – C8.15
14. INSTALL RIPRAP PER PER STORM DRAIN PROFILES SHEETS C8.11 – C8.15
15. INSTALL CLSM BACKFILL PER STORM DRAIN PROFILES SHEETS C8.11 – C8.15
16. INSTALL 2" SHOTCRETE AROUND OUTLET PER DETAILS SHEET PER STORM DRAIN PROFILES SHEETS C8.11 – C8.15
17. CLEAR/CLEAN EXISTING FLARED END STRUCTURE FROM MILLINGS/DIRT/DEBRIS, AND RECOMPACT ADJACENT GRADE AS NEEDED TO MAINTAIN POSITIVE DRAINAGE (NPI)

GENERAL NOTES:

1. REFER TO SHEETS C4.1 THRU C4.3 FOR TYPICAL SECTIONS.
2. REFER TO C1.5 FOR HORIZONTAL CONTROL.
3. DESIGN CONTOURS REPRESENT FINISHED SURFACE.
4. REFER TO ELECTRICAL LAYOUT PLANS FOR AIRFIELD LIGHTING AND SIGNING SYSTEM (NOT SHOWN).
5. CONTRACTOR SHALL MATCH EXISTING PAVEMENT ELEVATIONS AS SHOWN ON PLAN. IF EXISTING ELEVATIONS DIFFER FROM THOSE SHOWN, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY.

KEY PLAN



GRAPHIC SCALE

40 0 20 40 80

(IN FEET)

Call at least two full working days before you begin excavation. ARIZONA 811

PLANS TO BE PRINTED IN COLOR

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NO.	REVISION	DATE	BY

FIRM'S NAME: Kimley-Horn

KIMLEY-HORN AND ASSOCIATES, INC. 2046 Riverview Auto Dr, SUITE 400 Mesa, Arizona 85210 (480) 207-2666

FIRM'S SEAL

SCALE Horiz. 1" = 40' Vert.

Date 11/26/2025
Designed by JMM
Drawn by JCC
Checked by NCW
Approved by JMM

Mesa Gateway Airport

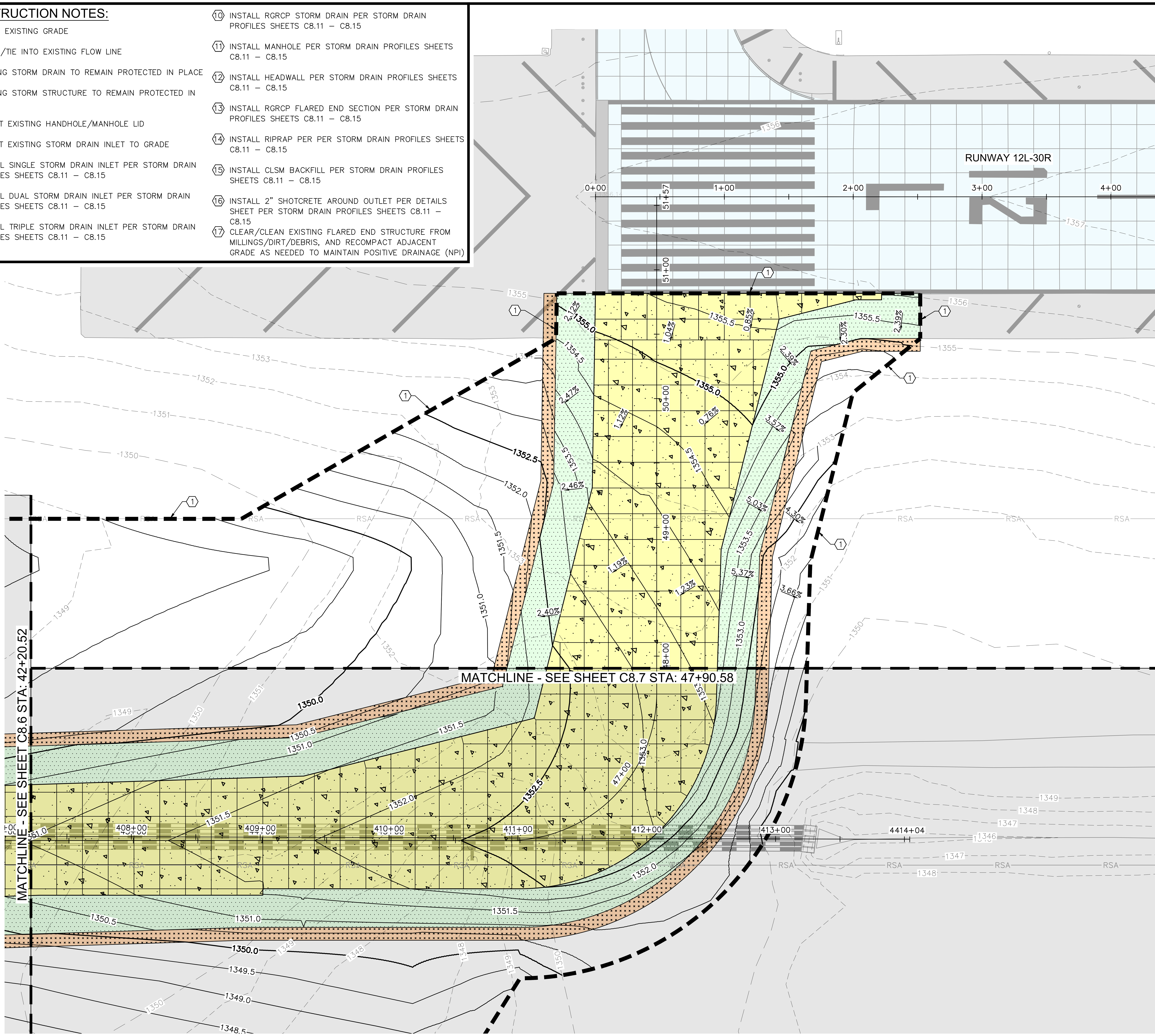
MESA GATEWAY AIRPORT AUTHORITY
5835 SOUTH SOSSAMAN ROAD
MESA, ARIZONA 85212
(480) 988-7600
GATEWAYAIRPORT.COM

PROJECT NAME: MESA GATEWAY AIRPORT
TAXIWAY G REALIGNMENT

GRADING AND DRAINAGE PLAN
SHEET 7 OF 9

PROJECT NO. 091134073
FILE NO. 091134073 - GD

C8.7



CONSTRUCTION NOTES:

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2. MATCH/TIE INTO EXISTING FLOW LINE
3. EXISTING STORM DRAIN TO REMAIN PROTECTED IN PLACE
4. EXISTING STORM STRUCTURE TO REMAIN PROTECTED IN PLACE
5. ADJUST EXISTING HANDHOLE/MANHOLE LID
6. ADJUST EXISTING STORM DRAIN INLET TO GRADE
7. INSTALL SINGLE STORM DRAIN INLET PER STORM DRAIN PROFILES SHEETS C8.11 – C8.15
8. INSTALL DUAL STORM DRAIN INLET PER STORM DRAIN PROFILES SHEETS C8.11 – C8.15
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LEGEND

- PORTLAND CEMENT CONCRETE PAVEMENT (P-501)
- AC PAVEMENT SHOULDER (P-403)
- MAG AGGREGATE STABILIZED SHOULDER (P-208)
- INSTALL RIPRAP (MAG 220.5)
- INSTALL 2" SHOTCRETE
- COMPACTED AC MILLINGS (VSR)
- EXISTING CONTOUR
- PROPOSED CONTOUR
- FLOW DIRECTION
- FLOW LINE
- GRADE BREAK
- GRADING LIMITS
- EXISTING STORM DRAIN PIPE
- EXISTING STORM DRAIN MANHOLE
- EXISTING STORM DRAIN INLET
- EXISTING STORM DRAIN HEADWALL
- EXISTING STORM DRAIN OUTLET STRUCTURE
- PROPOSED STORM DRAIN PIPE
- PROPOSED STORM DRAIN MANHOLE
- PROPOSED STORM DRAIN INLET
- PROPOSED STORM DRAIN HEADWALL
- PROPOSED STORM DRAIN OUTLET STRUCTURE

GENERAL NOTES:

1. REFER TO SHEETS C4.1 THRU C4.3 FOR TYPICAL SECTIONS.
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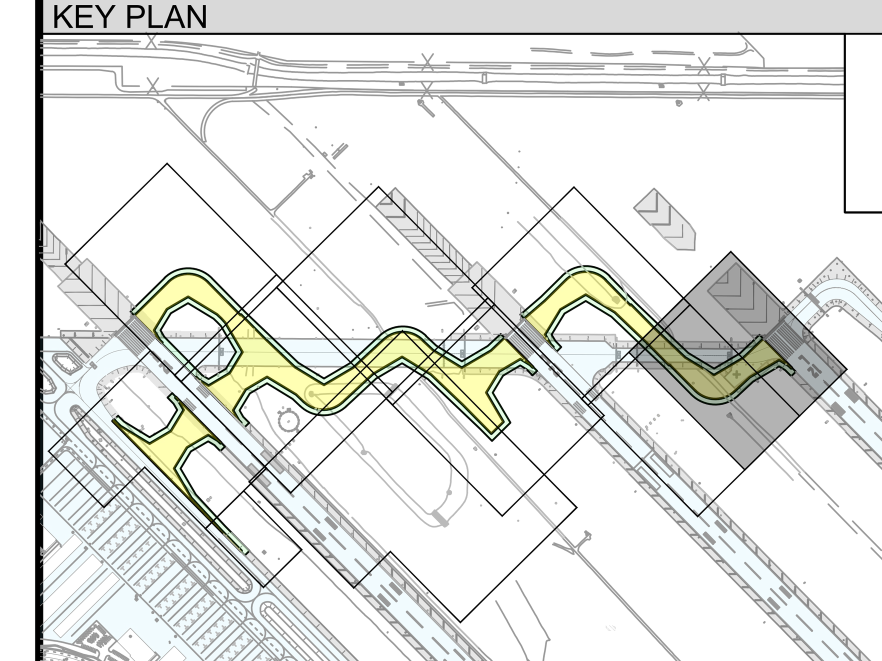
5. CONTRACTOR SHALL MATCH EXISTING PAVEMENT ELEVATIONS AS SHOWN ON PLAN. IF EXISTING ELEVATIONS DIFFER FROM THOSE SHOWN, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY.

KEY PLAN



GRAPHIC SCALE

40 0 20 40 80

(IN FEET)

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KIMLEY-HORN AND ASSOCIATES, INC.
2046 Riverview Auto Dr., SUITE 400
Mesa, Arizona 85210 (480) 207-2666

FIRM'S SEAL

SCALE Horiz. 1" = 40' Vert.

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Approved by JMM

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MESA, ARIZONA 85212
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GATEWAYAIRPORT.COM

PROJECT NAME
MESA GATEWAY AIRPORT
TAXIWAY G REALIGNMENT

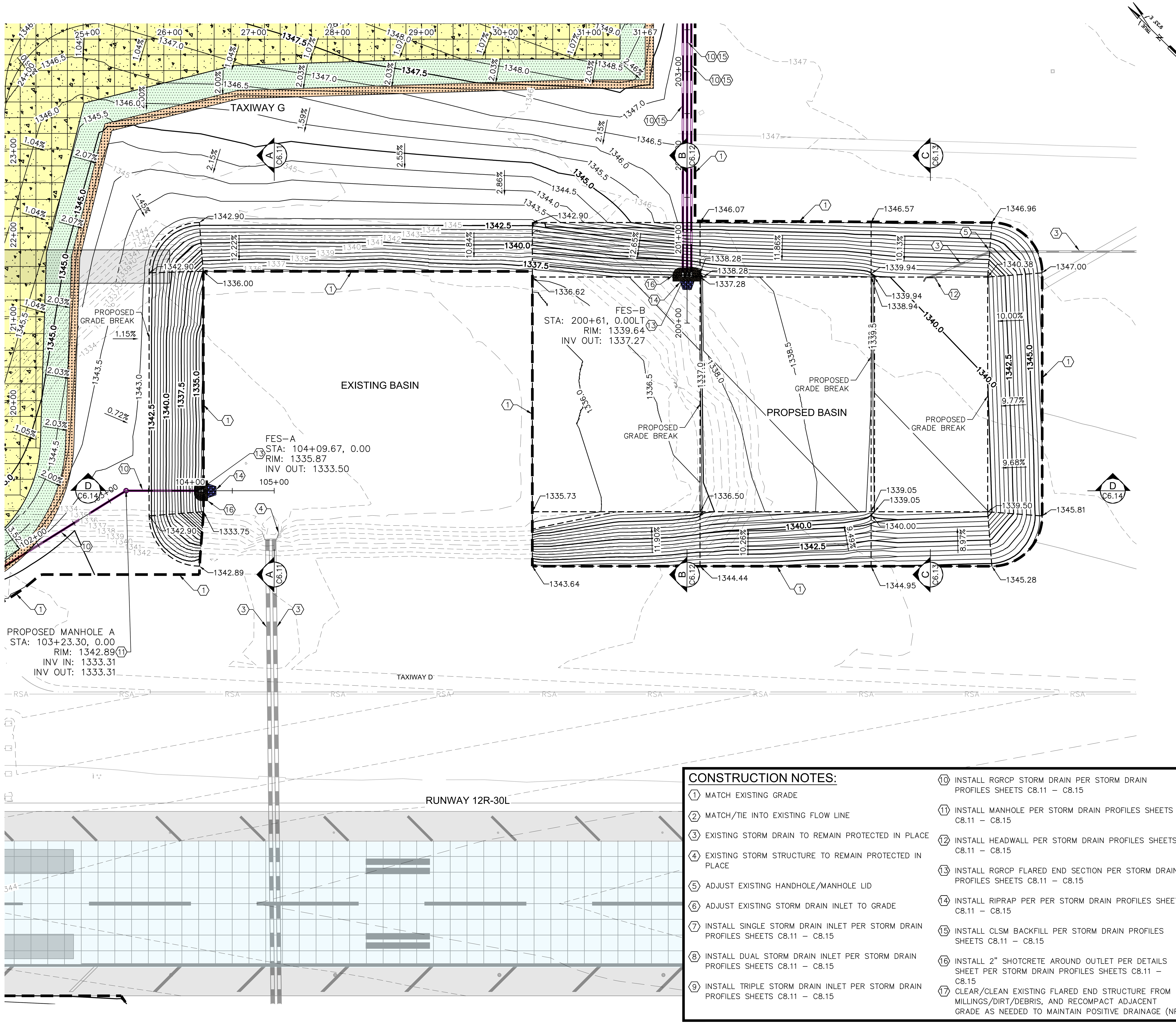
GRADING AND DRAINAGE PLAN
SHEET 8 OF 9

PROJECT NO. 091134073
FILE NO. 091134073 - GD

C8.8

SHEET 66 of 153

K:\EAV_Aviation\091134073 - Taxiway G Realignment\CADD\091134073 - GD.dwg Nov 26, 2025 Jason.Zhang



LEGEND

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- EXISTING CONTOUR
- PROPOSED CONTOUR
- FLOW DIRECTION
- FLOW LINE
- GRADE BREAK
- GRADING LIMITS
- EXISTING STORM DRAIN PIPE
- EXISTING STORM DRAIN MANHOLE
- EXISTING STORM DRAIN INLET
- EXISTING STORM DRAIN HEADWALL
- EXISTING STORM DRAIN OUTLET STRUCTURE
- PROPOSED STORM DRAIN PIPE
- PROPOSED STORM DRAIN MANHOLE
- PROPOSED STORM DRAIN INLET
- PROPOSED STORM DRAIN HEADWALL
- PROPOSED STORM DRAIN OUTLET STRUCTURE

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6. ADJUST EXISTING STORM DRAIN INLET TO GRADE
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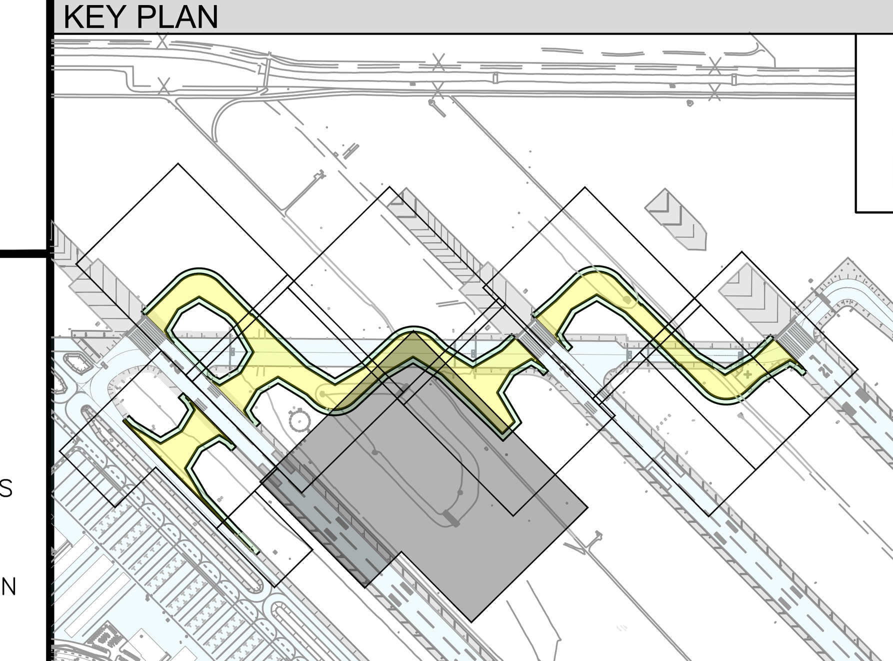
KEY PLAN



GRAPHIC SCALE

60 0 30 60 120

(IN FEET)

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NO.	REVISION	DATE	BY

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Kimley»Horn

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2046 Riverview Auto Dr, SUITE 400
Mesa, Arizona 85210 (480) 207-2666

FIRM'S SEAL

SCALE Horiz. Vert.

Date 11/26/2025
Designed by JMM
Drawn by JCC
Checked by NCW
Approved by JMM

Mesa Gateway Airport

MESA GATEWAY AIRPORT AUTHORITY
5835 SOUTH SOSSAMAN ROAD
MESA, ARIZONA 85212
(480) 988-7600
GATEWAYAIRPORT.COM

PROJECT NAME

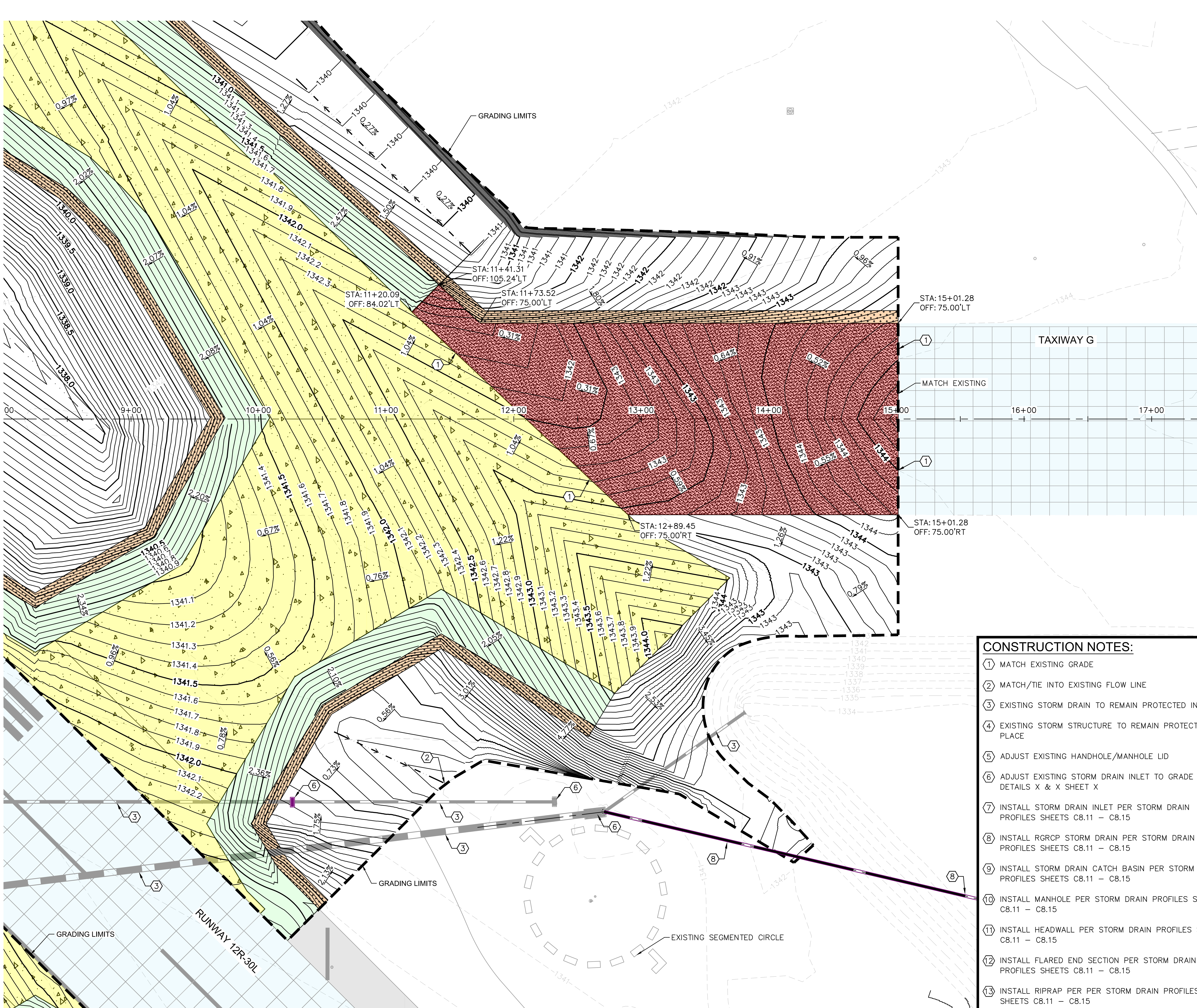
MESA GATEWAY AIRPORT
TAXIWAY G REALIGNMENT

GRADING AND DRAINAGE PLAN (BASIN)
SHEET 9 OF 9

PROJECT NO. 091134073

FILE NO. 091134073 - GD (BASIN)

C8.9



LEGEND

- PORTLAND CEMENT CONCRETE PAVEMENT (P-501)
- AC PAVEMENT SHOULDER (P-403)
- MAG AGGREGATE STABILIZED SHOULDER (P-208)
- INSTALL RIPRAP (MAG 220.5)
- INSTALL 2" SHOTCRETE
- COMPACTED AC MILLINGS (VSR)
- 1350 EXISTING CONTOUR
- 1350 PROPOSED CONTOUR
- ?.??% FLOW DIRECTION
- FLOW LINE
- GRADE BREAK
- GRADING LIMITS
- EXISTING STORM DRAIN PIPE
- EXISTING STORM DRAIN MANHOLE
- EXISTING STORM DRAIN INLET
- EXISTING STORM DRAIN HEADWALL
- EXISTING STORM DRAIN OUTLET STRUCTURE
- PROPOSED STORM DRAIN PIPE
- PROPOSED STORM DRAIN MANHOLE
- PROPOSED STORM DRAIN INLET
- PROPOSED STORM DRAIN HEADWALL
- PROPOSED STORM DRAIN OUTLET STRUCTURE

GENERAL NOTES:

1. REFER TO SHEETS C4.1 THRU C4.3 FOR TYPICAL SECTIONS.
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CONSTRUCTION NOTES:

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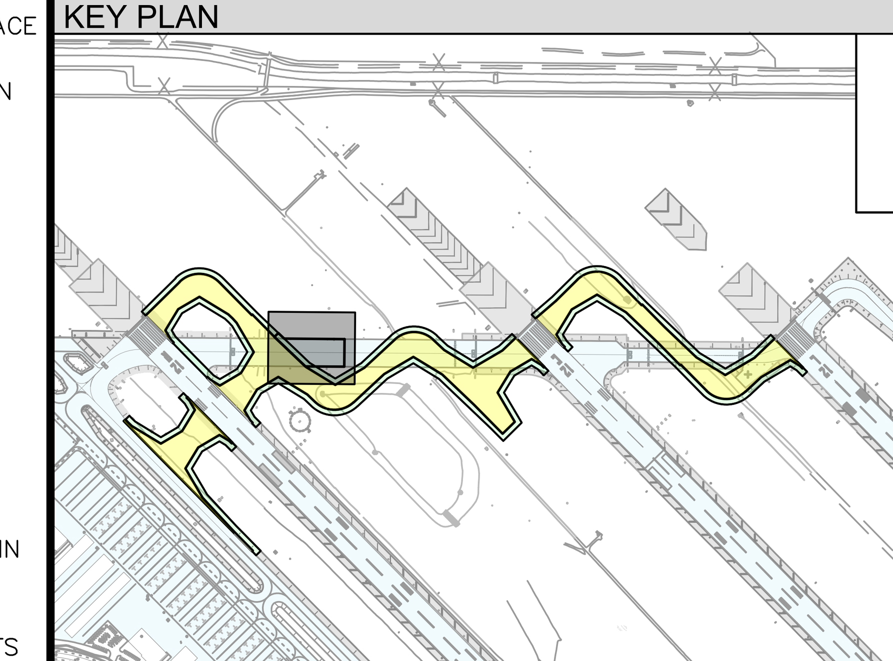
2. MATCH/TIE INTO EXISTING FLOW LINE
3. EXISTING STORM DRAIN TO REMAIN PROTECTED IN PLACE
4. EXISTING STORM STRUCTURE TO REMAIN PROTECTED IN PLACE
5. ADJUST EXISTING HANDHOLE/MANHOLE LID
6. ADJUST EXISTING STORM DRAIN INLET TO GRADE PER DETAILS X & X SHEET X
7. INSTALL STORM DRAIN INLET PER STORM DRAIN PROFILES SHEETS C8.11 - C8.15
8. INSTALL RGRCP STORM DRAIN PER STORM DRAIN PROFILES SHEETS C8.11 - C8.15
9. INSTALL STORM DRAIN CATCH BASIN PER STORM DRAIN PROFILES SHEETS C8.11 - C8.15
10. INSTALL MANHOLE PER STORM DRAIN PROFILES SHEETS C8.11 - C8.15
11. INSTALL HEADWALL PER STORM DRAIN PROFILES SHEETS C8.11 - C8.15
12. INSTALL FLARED END SECTION PER STORM DRAIN PROFILES SHEETS C8.11 - C8.15
13. INSTALL RIPRAP PER PER STORM DRAIN PROFILES SHEETS C8.11 - C8.15
14. INSTALL CLSM BACKFILL PER STORM DRAIN PROFILES SHEETS C8.11 - C8.15

KEY PLAN



GRAPHIC SCALE

20 0 10 20 40

(IN FEET)

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ARIZONA 811
Arizona Blue Stake, Inc.
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2046 Riverview Auto Dr, SUITE 400
Mesa, Arizona 85210 (480) 207-2666

FIRM'S SEAL

SCALE
Horiz. 1" = 40'
Vert.

Date 11/26/2025
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Mesa Gateway Airport
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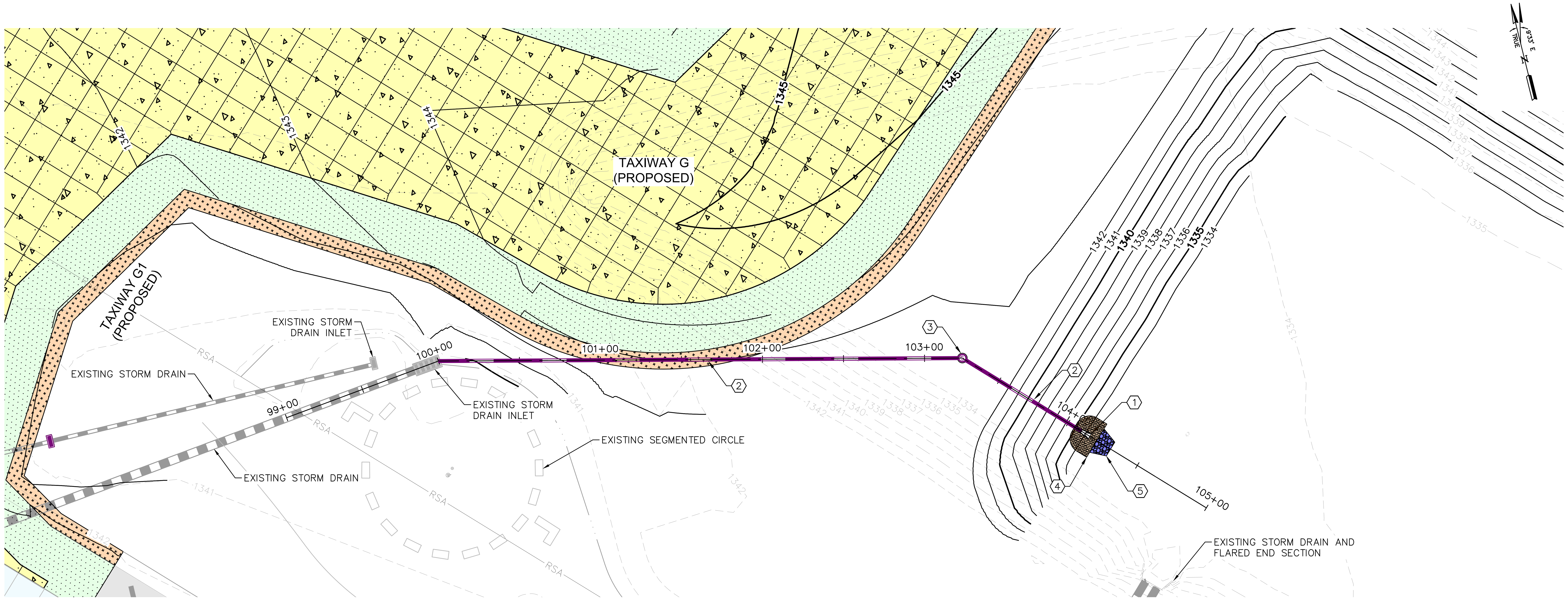
5835 SOUTH SOSSAMAN ROAD
MESA, ARIZONA 85212
(480) 988-7600
GATEWAYAIRPORT.COM

PROJECT NAME
MESA GATEWAY AIRPORT
TAXIWAY G REALIGNMENT

GRADING AND DRAINAGE PLAN DETAIL
TEMPORARY PHASE 1D TRANSITION

PROJECT NO. 091134073
FILE NO. 091134073 - GDZ

C8.10



PROPOSED STORM DRAIN SYSTEM "A" - PLAN VIEW

LEGEND

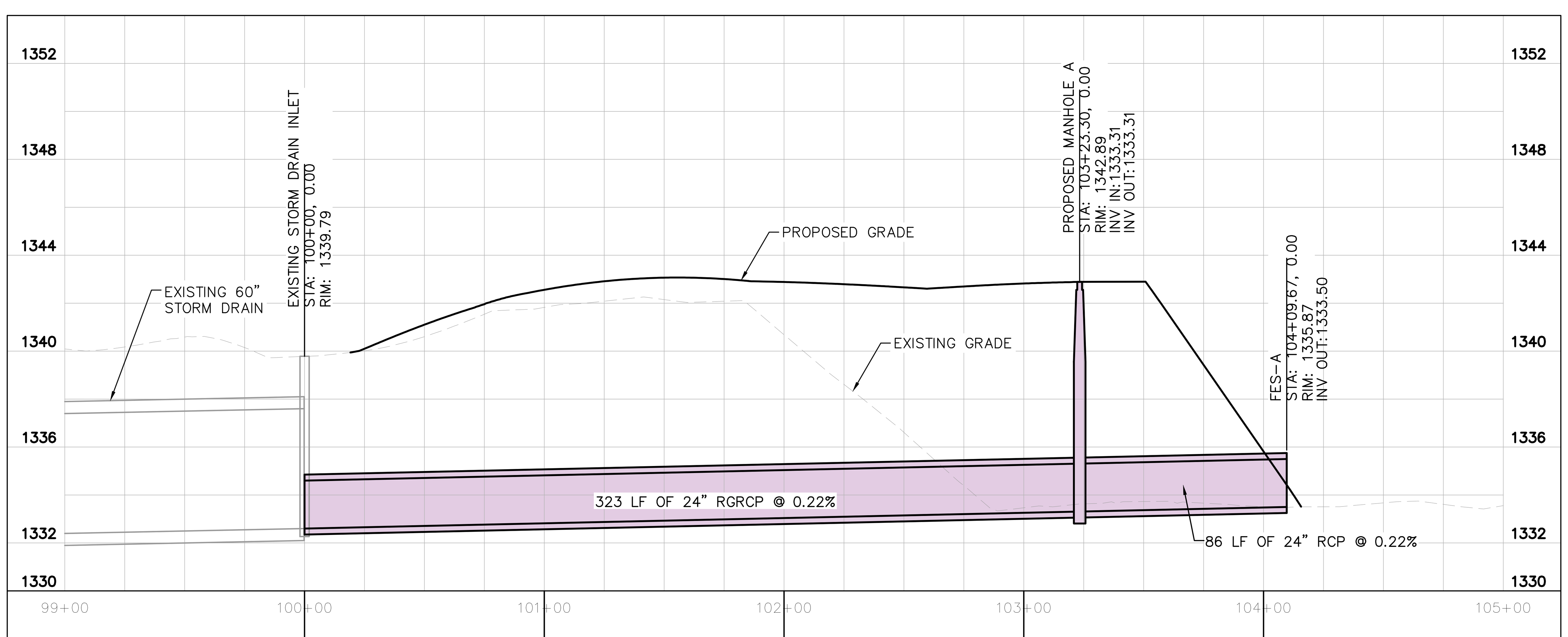
- PORTLAND CEMENT CONCRETE PAVEMENT (P-501)
- AC PAVEMENT SHOULDER (P-403)
- MAG AGGREGATE STABILIZED SHOULDER (P-208)
- INSTALL RIPRAP (MAG 220.5)
- INSTALL 2" SHOTCRETE
- EXISTING STORM DRAIN
- PROPOSED STORM DRAIN
- 1350 EXISTING CONTOURS
- 1350 PROPOSED CONTOURS
- FLOW LINE
- PROPOSED STORM DRAIN MANHOLE
- PROPOSED STORM DRAIN INLET

GENERAL NOTES

1. EXISTING UTILITIES ARE SHOWN IN APPROXIMATE LOCATIONS ONLY. CONTRACTOR SHALL VERIFY EXACT LOCATIONS OF ALL UNDERGROUND UTILITIES PRIOR TO COMMENCING WORK IN ANY AREA.
2. DESIGN CONTOURS REPRESENT FINISHED GRADE (PAVEMENT AND GRADING). CONTOURS AND PERCENT OF SLOPE ARE APPROXIMATE AND ARE SHOWN AS SUPPLEMENTAL INFORMATION ONLY.
3. REFER TO ELECTRICAL PLANS FOR AIRFIELD LIGHTING, SIGNING, AND ELECTRICAL FEATURES.

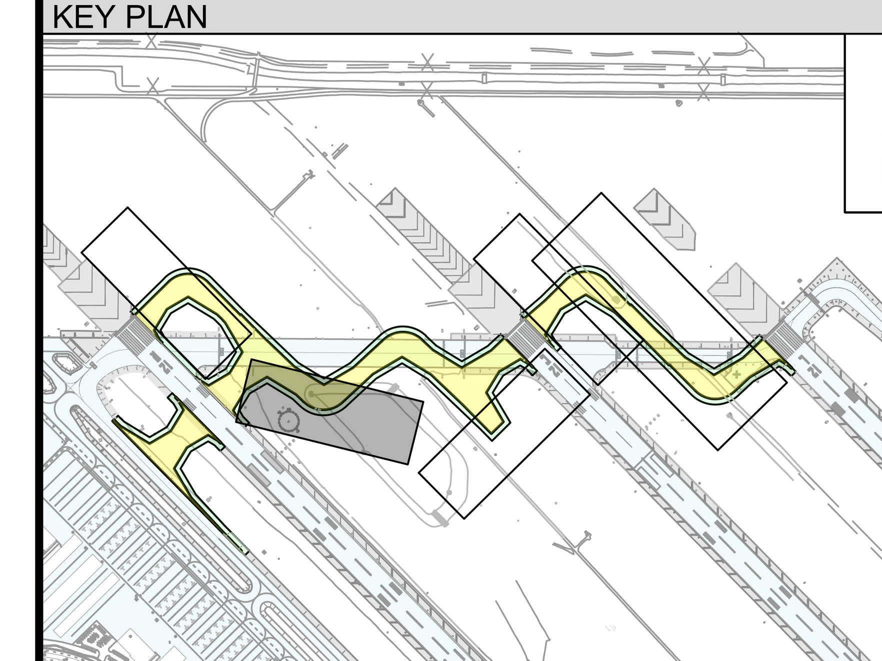
CONSTRUCTION NOTES

1. INSTALL SINGLE STORM DRAIN INLET PER DETAILS ON SHEET C11.4
2. INSTALL 24" RGRCP STORM DRAIN
3. INSTALL MANHOLE PER DETAILS ON SHEET C11.9 & C11.10
4. INSTALL 2" SHOT CRETE PER DETAILS ON SHEET C11.2
5. INSTALL RIPRAP PER DETAILS ON SHEET C11.2
6. INSTALL CLSM BACKFILL PER DETAILS ON SHEET C11.8
7. INSTALL RGRCP FLARED END SECTION PER DETAILS ON SHEET C11.2
8. INSTALL DOUBLE STORM DRAIN INLET PER DETAILS ON SHEET C11.3
9. INSTALL TRIPLE STORM DRAIN INLET PER DETAILS ON SHEET C11.4



PROPOSED STORM DRAIN SYSTEM "A" - PROFILE VIEW

KEY PLAN



GRAPHIC SCALE

40 0 20 40 80

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FIRM'S SEAL

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GATEWAYAIRPORT.COM

PROJECT NAME

MESA GATEWAY AIRPORT
TAXIWAY G REALIGNMENT

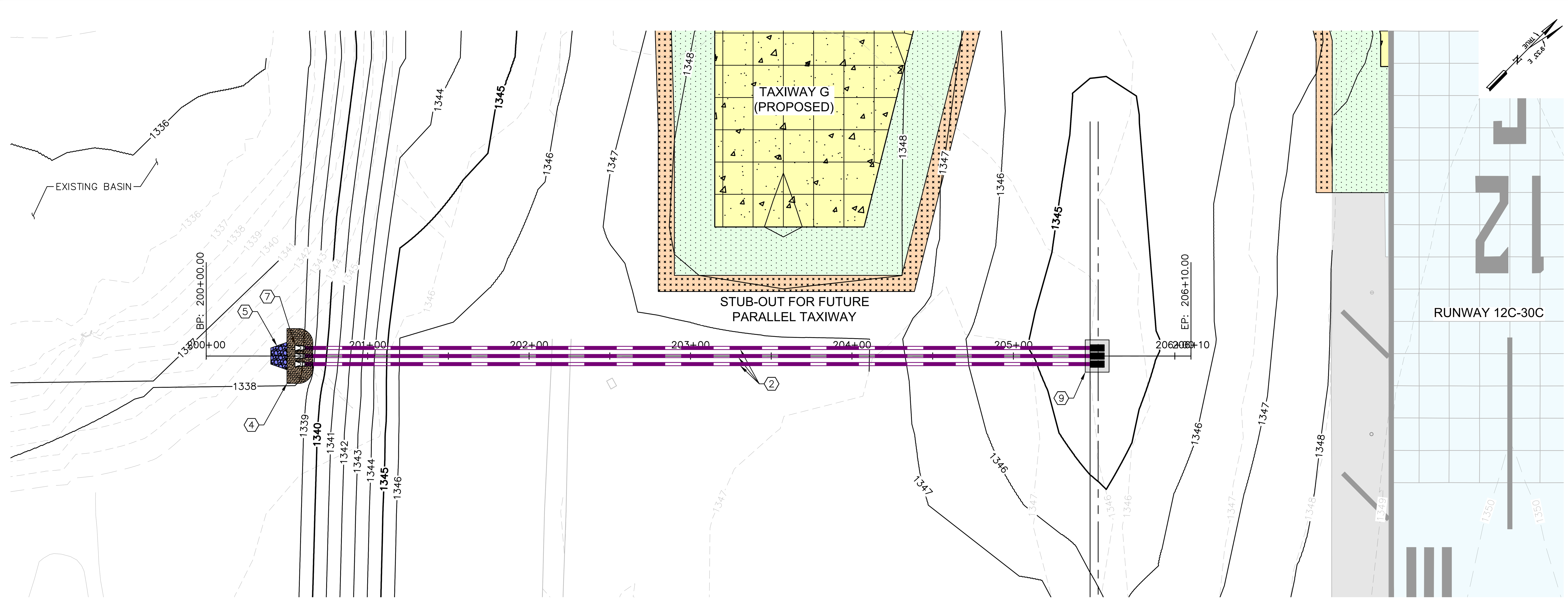
STORM DRAIN PROFILE
STORM DRAIN SYSTEM "A"

PROJECT NO. 091134073

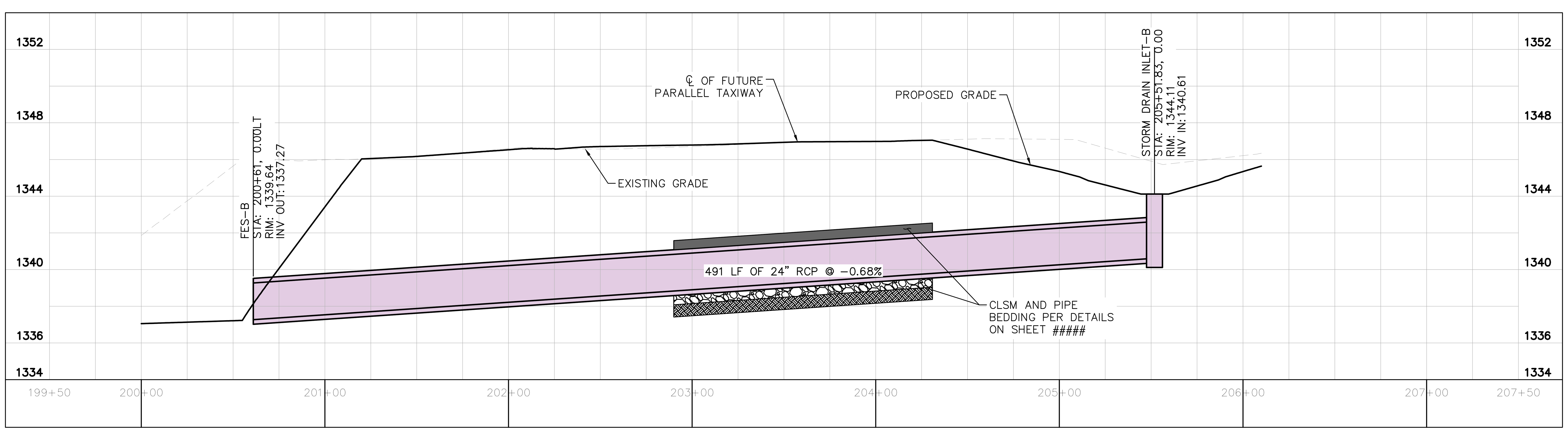
FILE NO. 091134073 - SD

C8.11

SHEET 69 of 153



PROPOSED STORM DRAIN SYSTEM "B" - PLAN VIEW



PROPOSED STORM DRAIN SYSTEM "B" - PROFILE VIEW

LEGEND

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- AC PAVEMENT SHOULDER (P-403)
- MAG AGGREGATE STABILIZED SHOULDER (P-208)
- INSTALL RIPRAP (MAG 220.5)
- INSTALL 2" SHOTCRETE
- EXISTING STORM DRAIN
- PROPOSED STORM DRAIN
- 1350 EXISTING CONTOURS
- 1350 PROPOSED CONTOURS
- FLOW LINE
- PROPOSED STORM DRAIN MANHOLE
- PROPOSED STORM DRAIN INLET

GENERAL NOTES

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CONSTRUCTION NOTES

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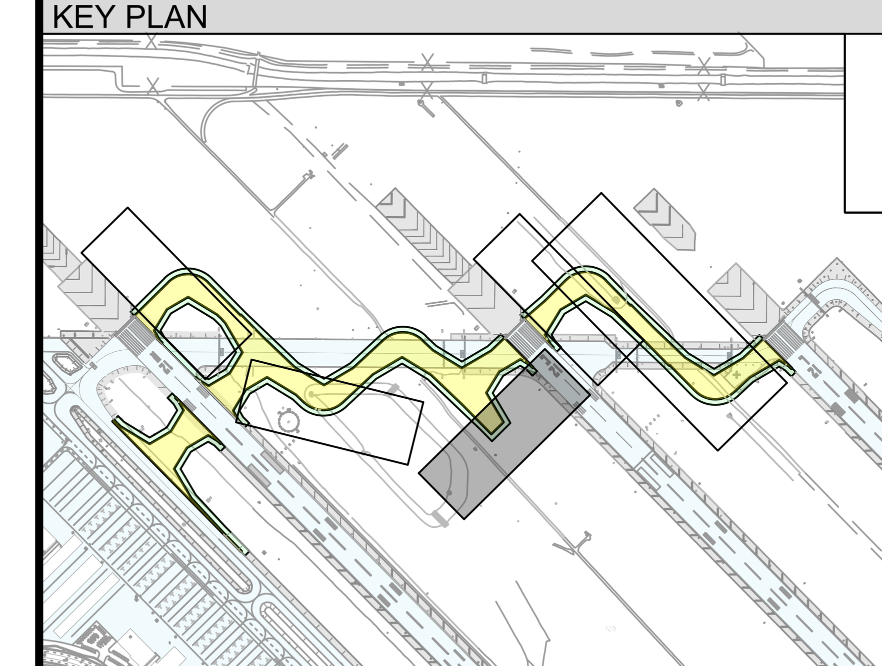
2. INSTALL 24" RGRCP STORM DRAIN
3. INSTALL MANHOLE PER DETAILS ON SHEET C11.9 & C11.10
4. INSTALL 2" SHOT CRETE PER DETAILS ON SHEET C11.2
5. INSTALL RIPRAP PER DETAILS ON SHEET C11.2
6. INSTALL CLSM BACKFILL PER DETAILS ON SHEET C11.8
7. INSTALL RGRCP FLARED END SECTION PER DETAILS ON SHEET C11.2
8. INSTALL DOUBLE STORM DRAIN INLET PER DETAILS ON SHEET C11.3
9. INSTALL TRIPLE STORM DRAIN INLET PER DETAILS ON SHEET C11.4

KEY PLAN



GRAPHIC SCALE
40 0 20 40 80
(IN FEET)

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PLANS TO BE PRINTED IN COLOR

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NO.	REVISION	DATE	BY

FIRM'S NAME: Kimley»Horn
KIMLEY-HORN AND ASSOCIATES, INC.
2046 Riverview Auto Dr, SUITE 400
Mesa, Arizona 85210 (480) 207-2666

FIRM'S SEAL

SCALE
Horiz. 1" = 40'
Vert. 1" = 4'
Date 11/26/2025
Designed by JMM
Drawn by JZ
Checked by NCW
Approved by JMM

Mesa Gateway Airport
MESA GATEWAY AIRPORT AUTHORITY
5835 SOUTH SOSSAMAN ROAD
MESA, ARIZONA 85212
(480) 988-7600
GATEWAYAIRPORT.COM

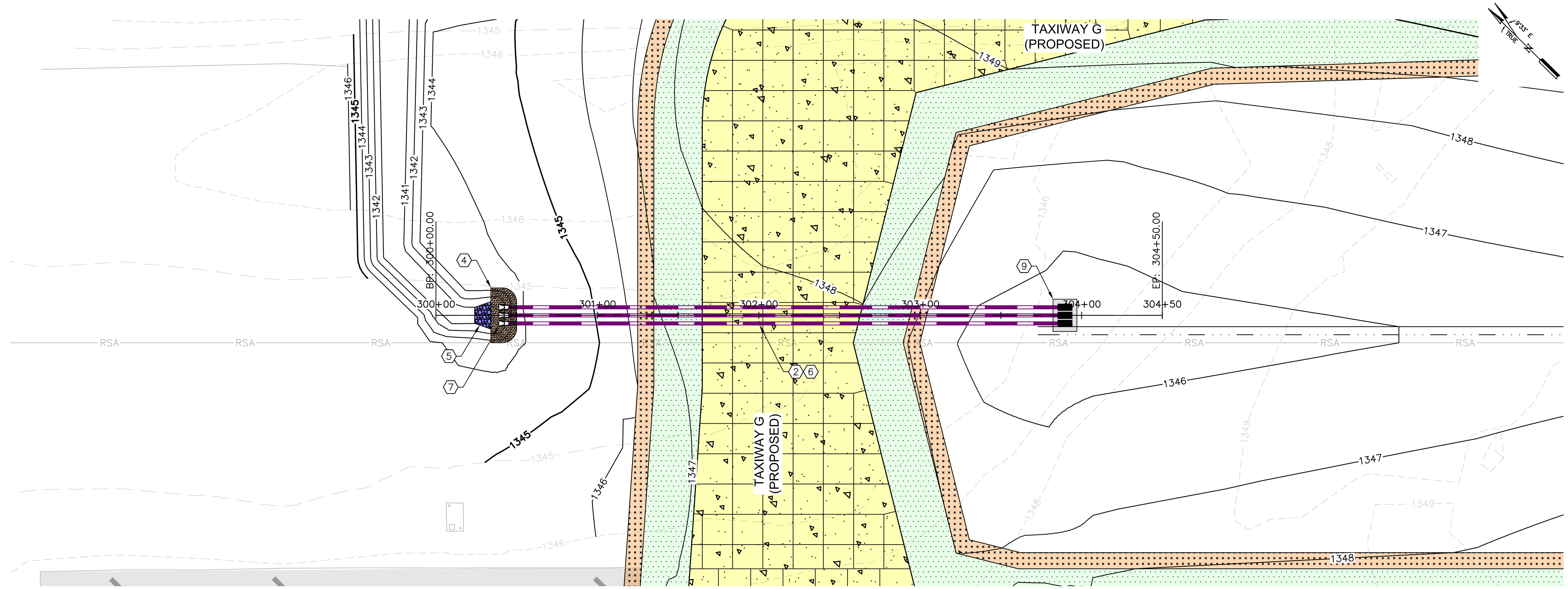
PROJECT NAME
MESA GATEWAY AIRPORT
TAXIWAY G REALIGNMENT

STORM DRAIN PROFILE
STORM DRAIN SYSTEM "B"

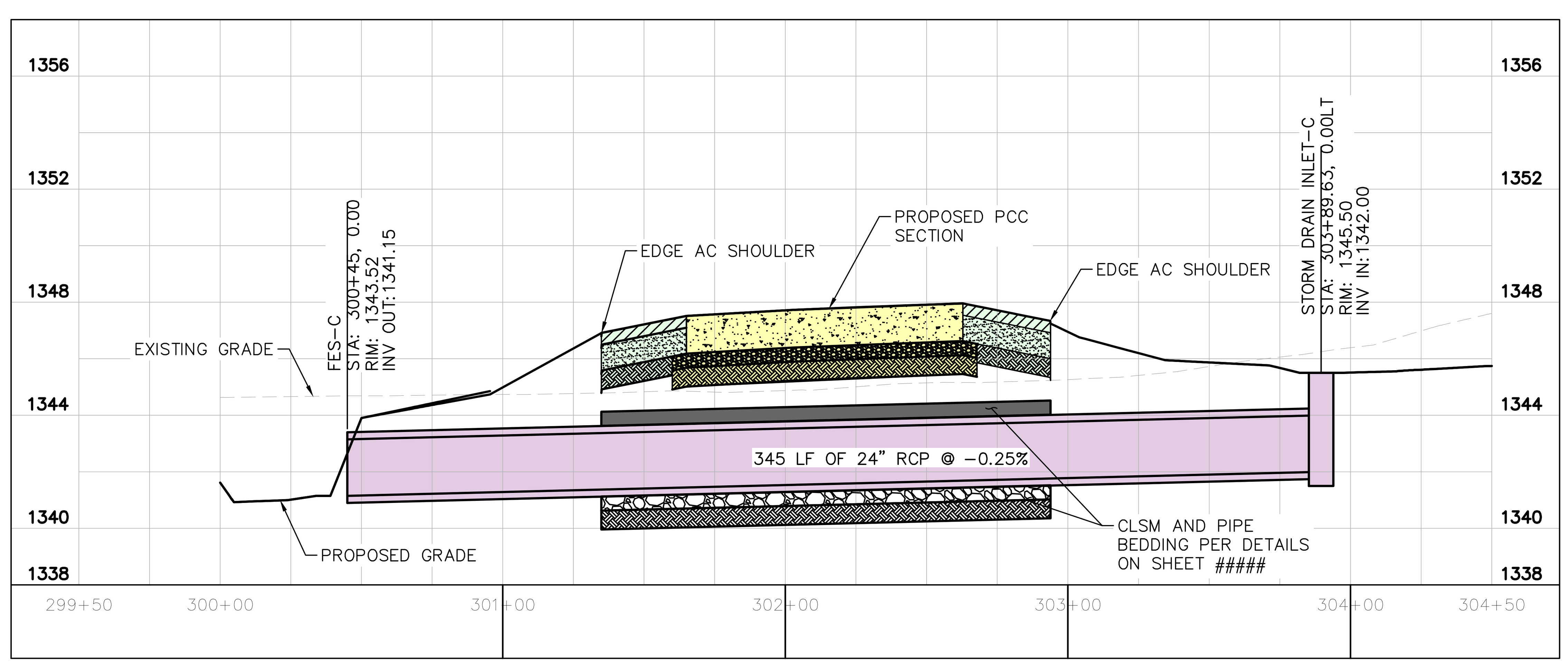
PROJECT NO. 091134073
FILE NO. 091134073 - SD

C8.12

SHEET 70 of 153



PROPOSED STORM DRAIN SYSTEM "C" - PLAN VIEW



PROPOSED STORM DRAIN SYSTEM "C" - PROFILE VIEW

LEGEND

- PORTLAND CEMENT CONCRETE PAVEMENT (P-501)
- AC PAVEMENT SHOULDER (P-403)
- MAG AGGREGATE STABILIZED SHOULDER (P-208)
- INSTALL RIPRAP (MAG 220.5)
- INSTALL 2" SHOTCRETE
- EXISTING STORM DRAIN
- PROPOSED STORM DRAIN
- 1350 EXISTING CONTOURS
- 1350 PROPOSED CONTOURS
- FLOW LINE
- PROPOSED STORM DRAIN MANHOLE
- PROPOSED STORM DRAIN INLET

GENERAL NOTES

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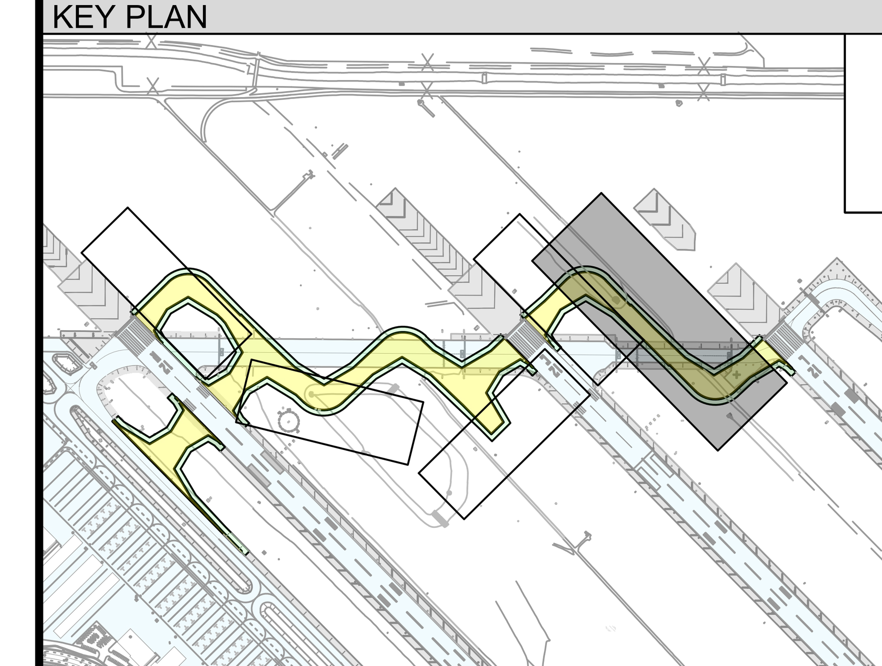
6. INSTALL CLSM BACKFILL PER DETAILS ON SHEET C11.8
7. INSTALL RGRCP FLARED END SECTION PER DETAILS ON SHEET C11.2
8. INSTALL DOUBLE STORM DRAIN INLET PER DETAILS ON SHEET C11.3
9. INSTALL TRIPLE STORM DRAIN INLET PER DETAILS ON SHEET C11.4

KEY PLAN



GRAPHIC SCALE

40 0 20 40 80

(IN FEET)

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Mesa, Arizona 85210 (480) 207-2666

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Approved by JMM

Mesa Gateway Airport

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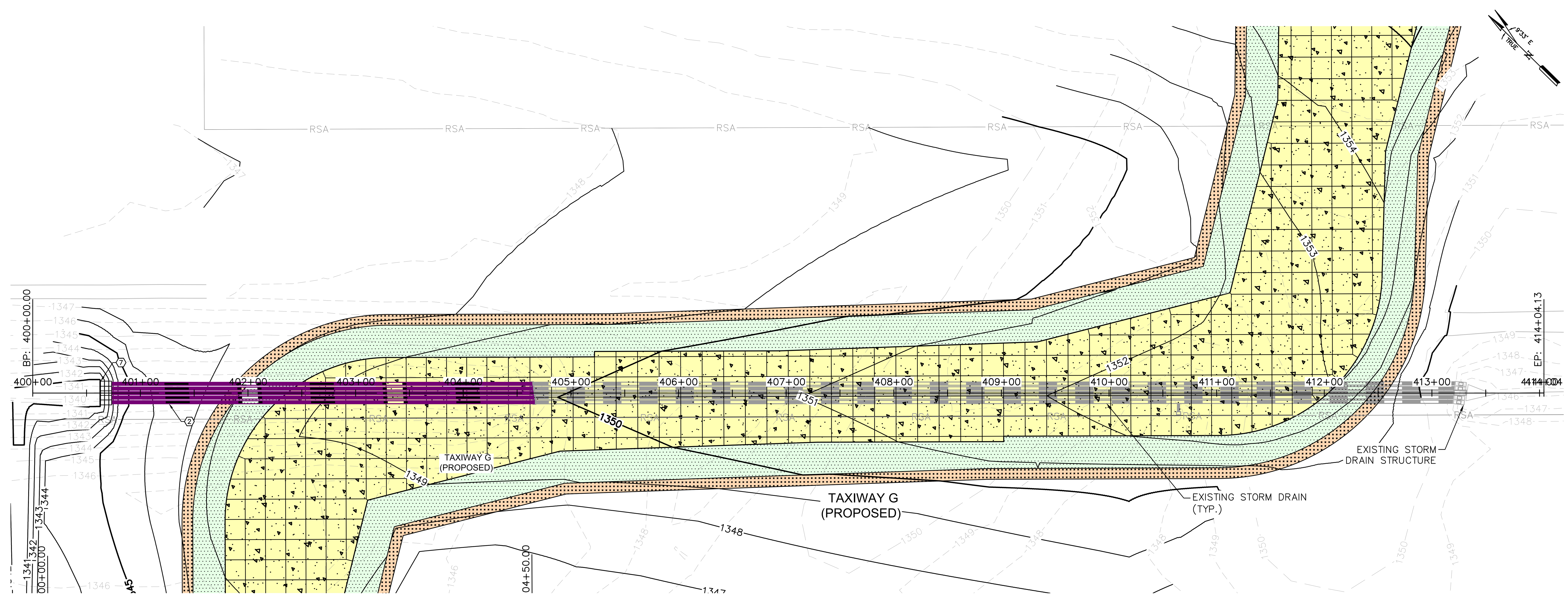
MESA, ARIZONA 85212
(480) 988-7600
GATEWAYAIRPORT.COM

PROJECT NAME
MESA GATEWAY AIRPORT
TAXIWAY G REALIGNMENT

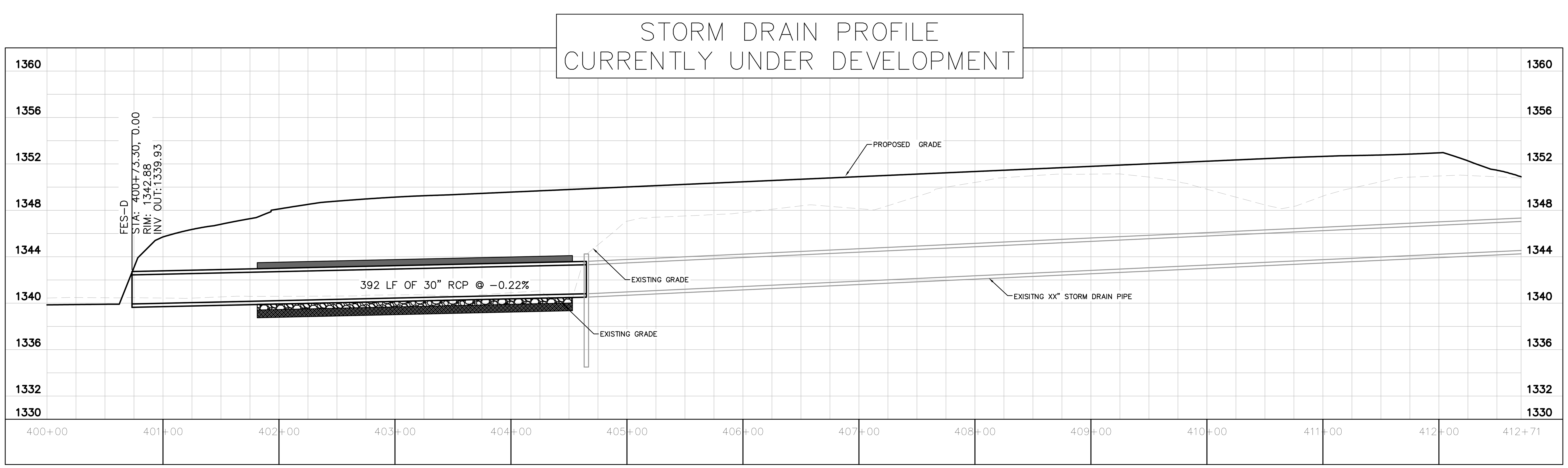
STORM DRAIN PROFILE
STORM DRAIN SYSTEM "C"

PROJECT NO. 091134073
FILE NO. 091134073 - SD

C8.13



PROPOSED STORM DRAIN SYSTEM "D" - PLAN VIEW



PROPOSED STORM DRAIN SYSTEM "B" - PROFILE VIEW

LEGEND

- PORTLAND CEMENT CONCRETE PAVEMENT (P-501)
- AC PAVEMENT SHOULDER (P-403)
- MAG AGGREGATE STABILIZED SHOULDER (P-208)
- INSTALL RIPRAP (MAG 220.5)
- INSTALL 2" SHOTCRETE
- EXISTING STORM DRAIN
- PROPOSED STORM DRAIN
- 1350 EXISTING CONTOURS
- 1350 PROPOSED CONTOURS
- FLOW LINE
- PROPOSED STORM DRAIN MANHOLE
- PROPOSED STORM DRAIN INLET

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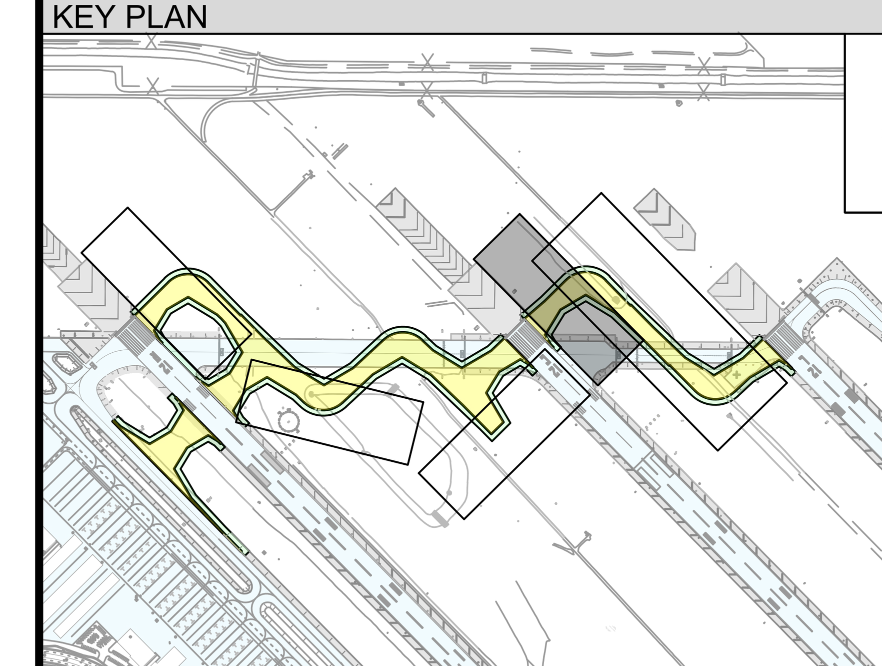
7. INSTALL RGRCP FLARED END SECTION PER DETAILS ON SHEET C11.2
8. INSTALL DOUBLE STORM DRAIN INLET PER DETAILS ON SHEET C11.3
9. INSTALL TRIPLE STORM DRAIN INLET PER DETAILS ON SHEET C11.4

KEY PLAN



GRAPHIC SCALE

60 0 30 60 120

(IN FEET)

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2346 Riverview Auto Dr., SUITE 400
Mesa, Arizona 85210 (480) 207-2666

FIRM'S SEAL

SCALE Horiz. 1" = 60' Vert. 1" = 6'

Date 11/26/2025
Designed by JMM
Drawn by JZ
Checked by NCW
Approved by JMM

Mesa Gateway Airport
MESA GATEWAY AIRPORT AUTHORITY
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MESA, ARIZONA 85212
(480) 988-7600
GATEWAYAIRPORT.COM

PROJECT NAME

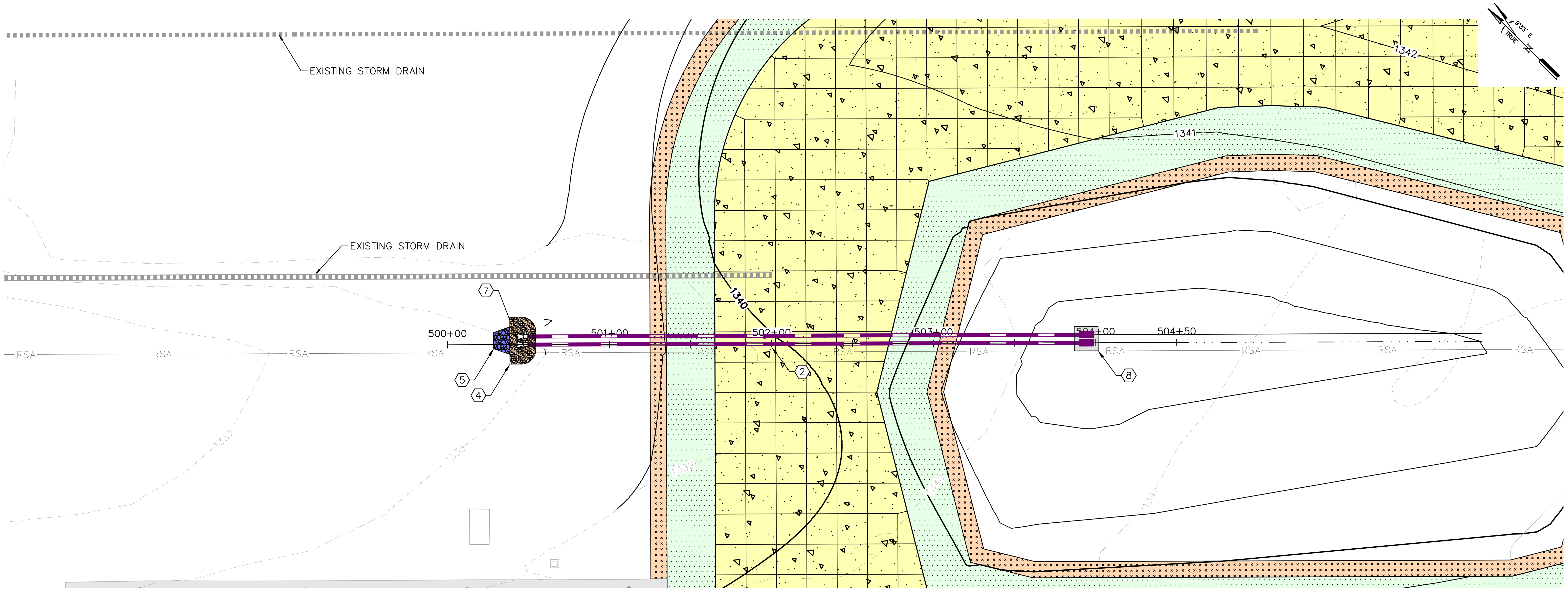
MESA GATEWAY AIRPORT
TAXIWAY G REALIGNMENT

STORM DRAIN PROFILE
STORM DRAIN SYSTEM "D"

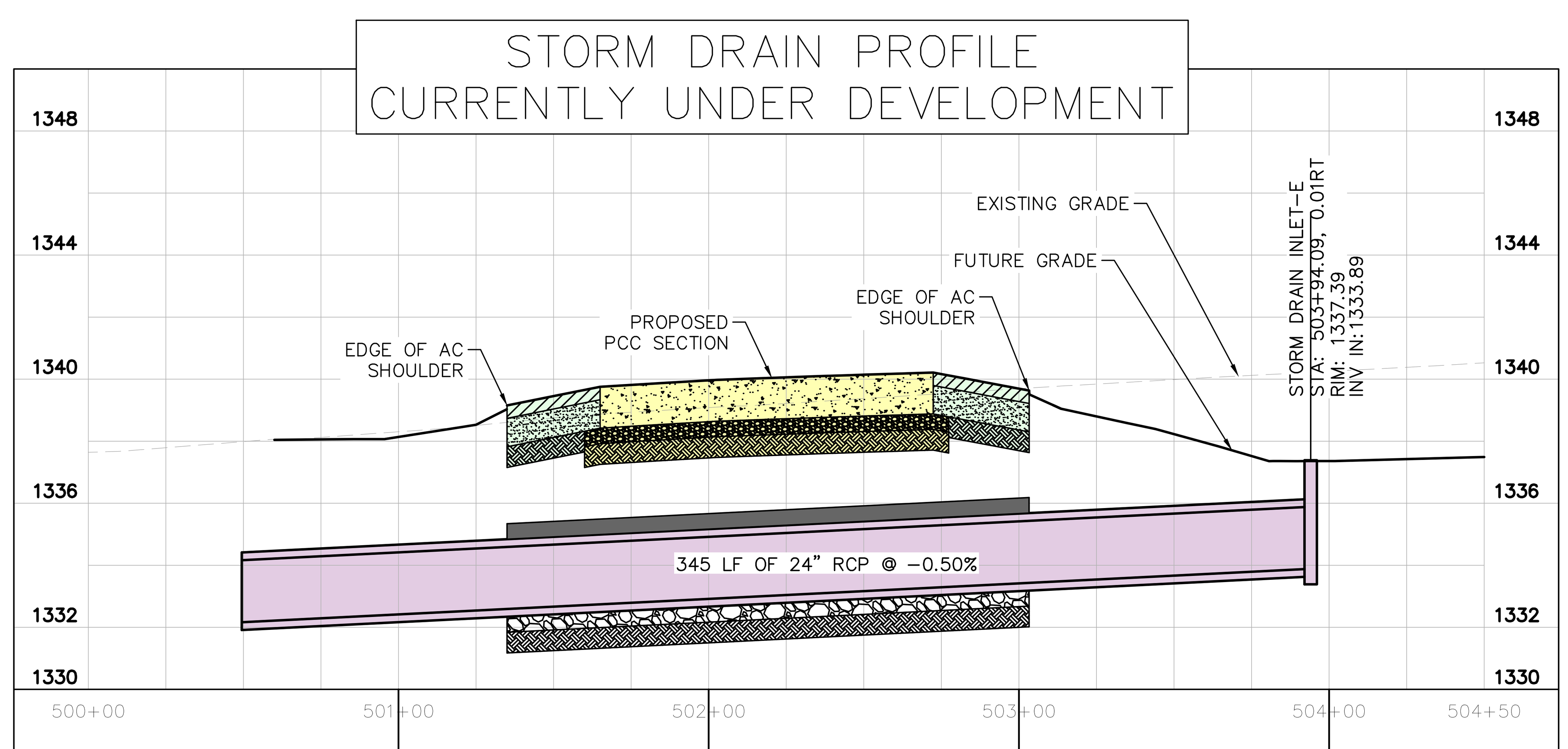
PROJECT NO. 091134073
FILE NO. 091134073 - SD

C8.14

SHEET 72 of 153



PROPOSED STORM DRAIN SYSTEM "E" - PLAN VIEW



PROPOSED STORM DRAIN SYSTEM "E" - PROFILE VIEW

LEGEND

- PORTLAND CEMENT CONCRETE PAVEMENT (P-501)
- AC PAVEMENT SHOULDER (P-403)
- MAG AGGREGATE STABILIZED SHOULDER (P-208)
- INSTALL RIPRAP (MAG 220.5)
- INSTALL 2" SHOTCRETE
- EXISTING STORM DRAIN
- PROPOSED STORM DRAIN
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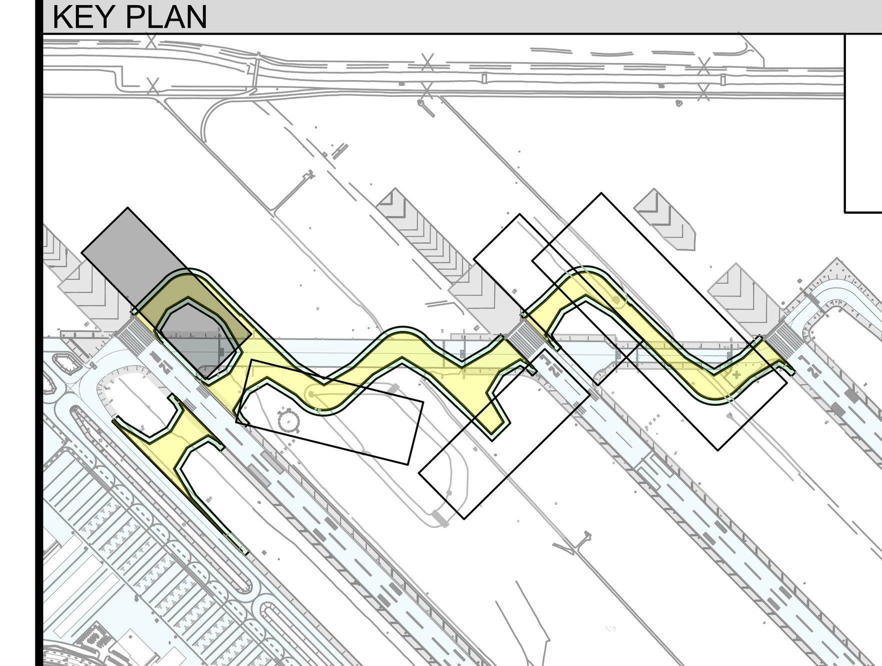
KEY PLAN



GRAPHIC SCALE

40 0 20 40 80

(IN FEET)

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KIMLEY-HORN AND ASSOCIATES, INC. 2046 Riverview Auto Dr., SUITE 400 Mesa, Arizona 85210 (480) 207-2666

FIRM'S SEAL

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Date 11/26/2025
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Drawn by JZ
Checked by NCW
Approved by JMM

Mesa Gateway Airport

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GATEWAYAIRPORT.COM

PROJECT NAME

MESA GATEWAY AIRPORT
TAXIWAY G REALIGNMENT

STORM DRAIN PROFILE
STORM DRAIN SYSTEM "E"

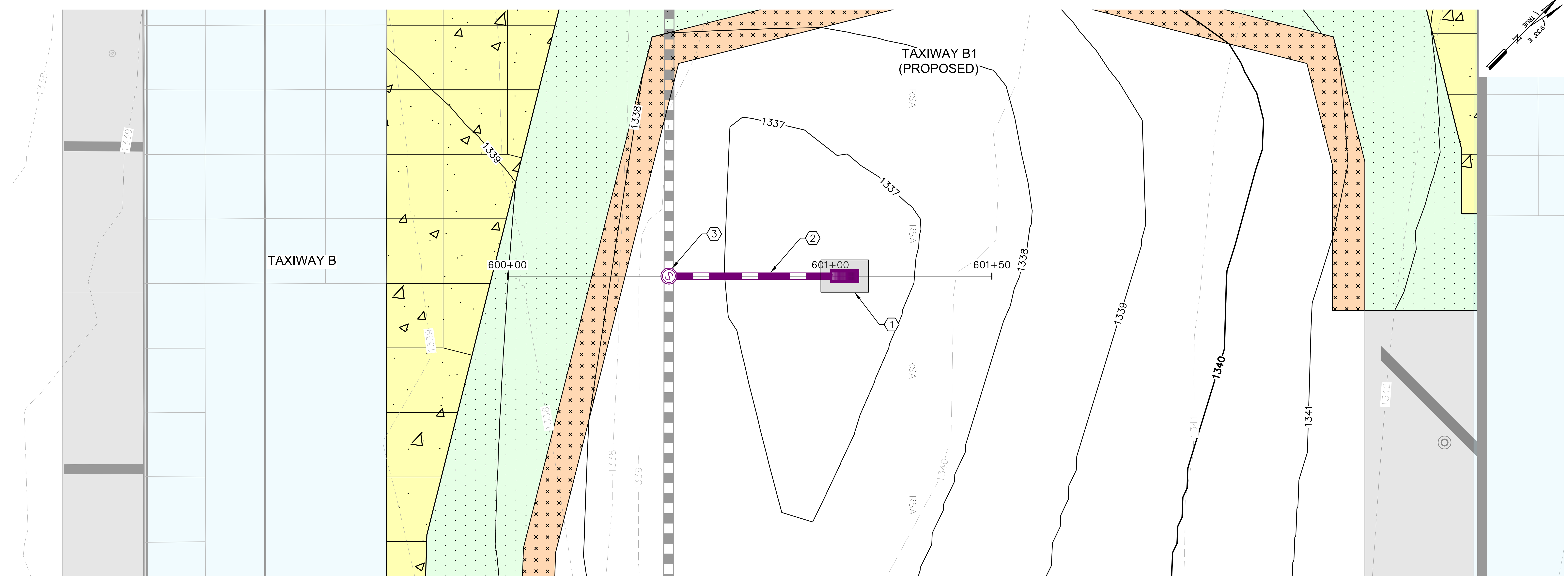
PROJECT NO. 091134073

FILE NO. 091134073 - SD

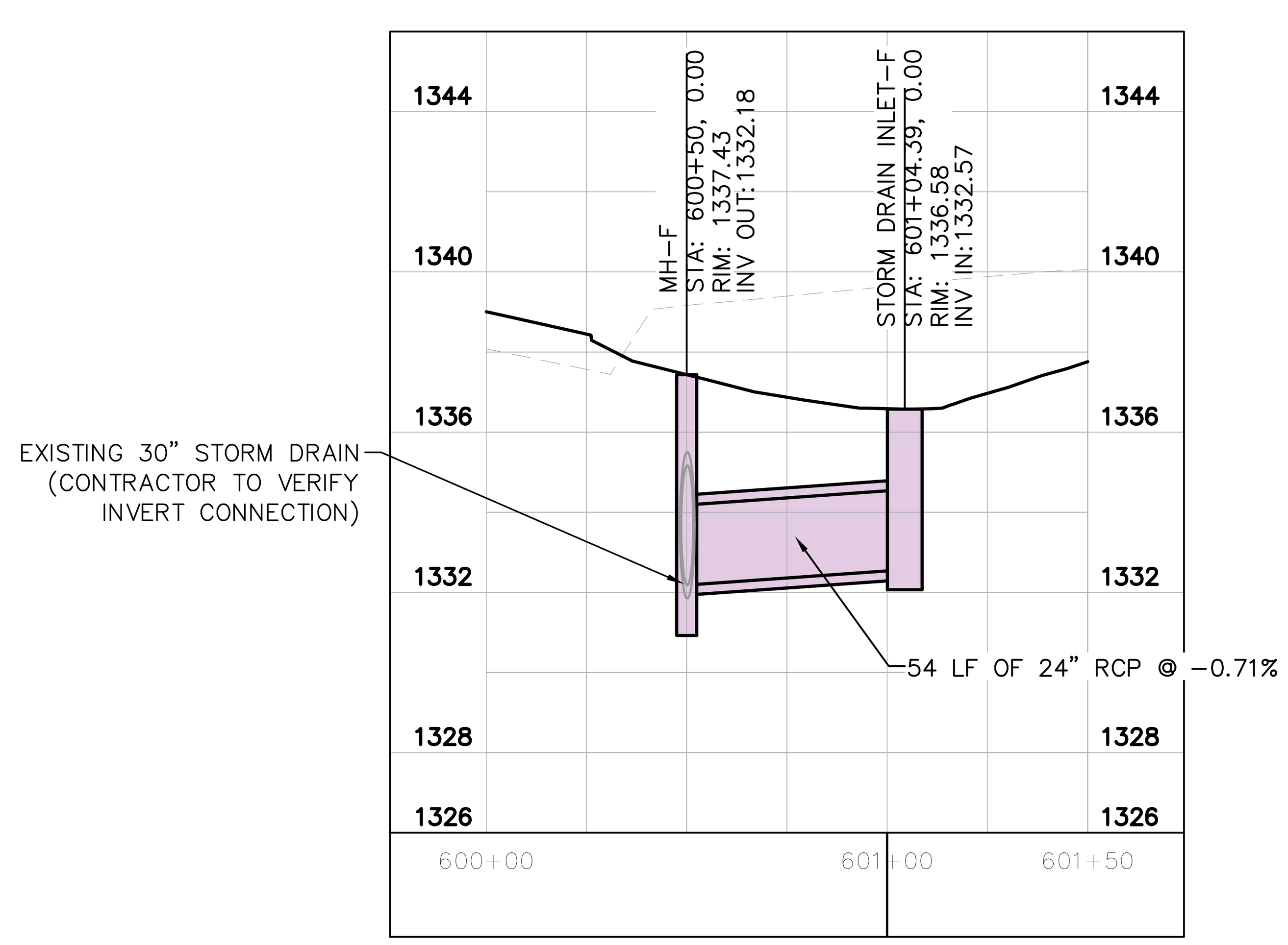
C8.15

SHEET 73 of 153

K:\EAV_Aviation\091134073 - Taxiway G Realignment\CADD\091134073 - SD.dwg Nov 26, 2025 Brad.Nisbet



PROPOSED STORM DRAIN SYSTEM "F" - PLAN VIEW



PROPOSED STORM DRAIN SYSTEM "F" - PROFILE VIEW

LEGEND

- PORTLAND CEMENT CONCRETE PAVEMENT (P–501)
- AC PAVEMENT SHOULDER (P–403)
- MAG AGGREGATE STABILIZED SHOULDER (P–208)
- INSTALL RIPRAP (MAG 220.5)
- INSTALL 2" SHOTCRETE
- EXISTING STORM DRAIN
- PROPOSED STORM DRAIN
- 1350 EXISTING CONTOURS
- 1350 PROPOSED CONTOURS
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5. INSTALL RIPRAP PER DETAILS ON SHEET C11.2
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7. INSTALL RGRCP FLARED END SECTION PER DETAILS ON SHEET C11.2
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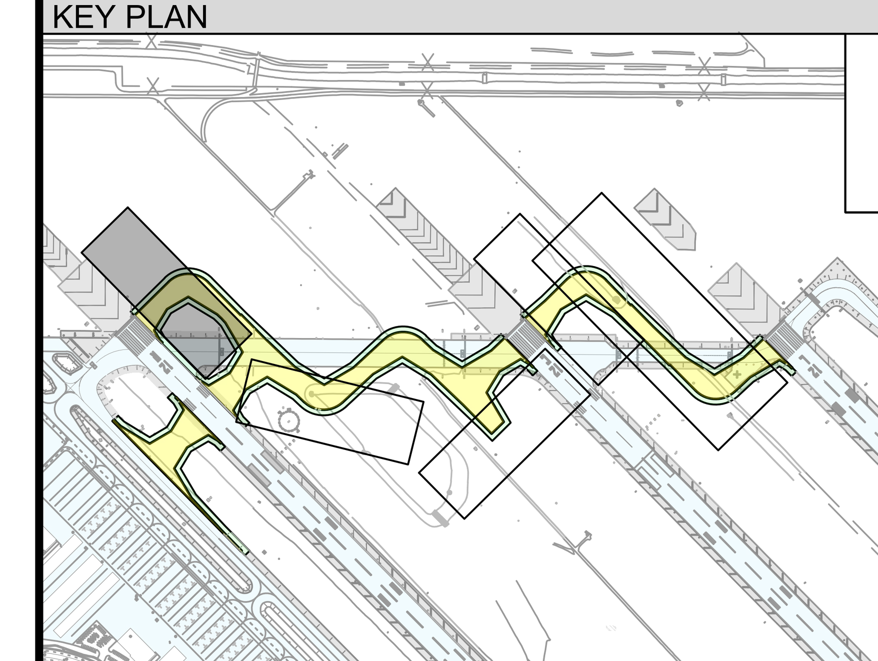
9. INSTALL TRIPLE STORM DRAIN INLET PER DETAILS ON SHEET C11.4

KEY PLAN



GRAPHIC SCALE

20 0 10 20 40

(IN FEET)

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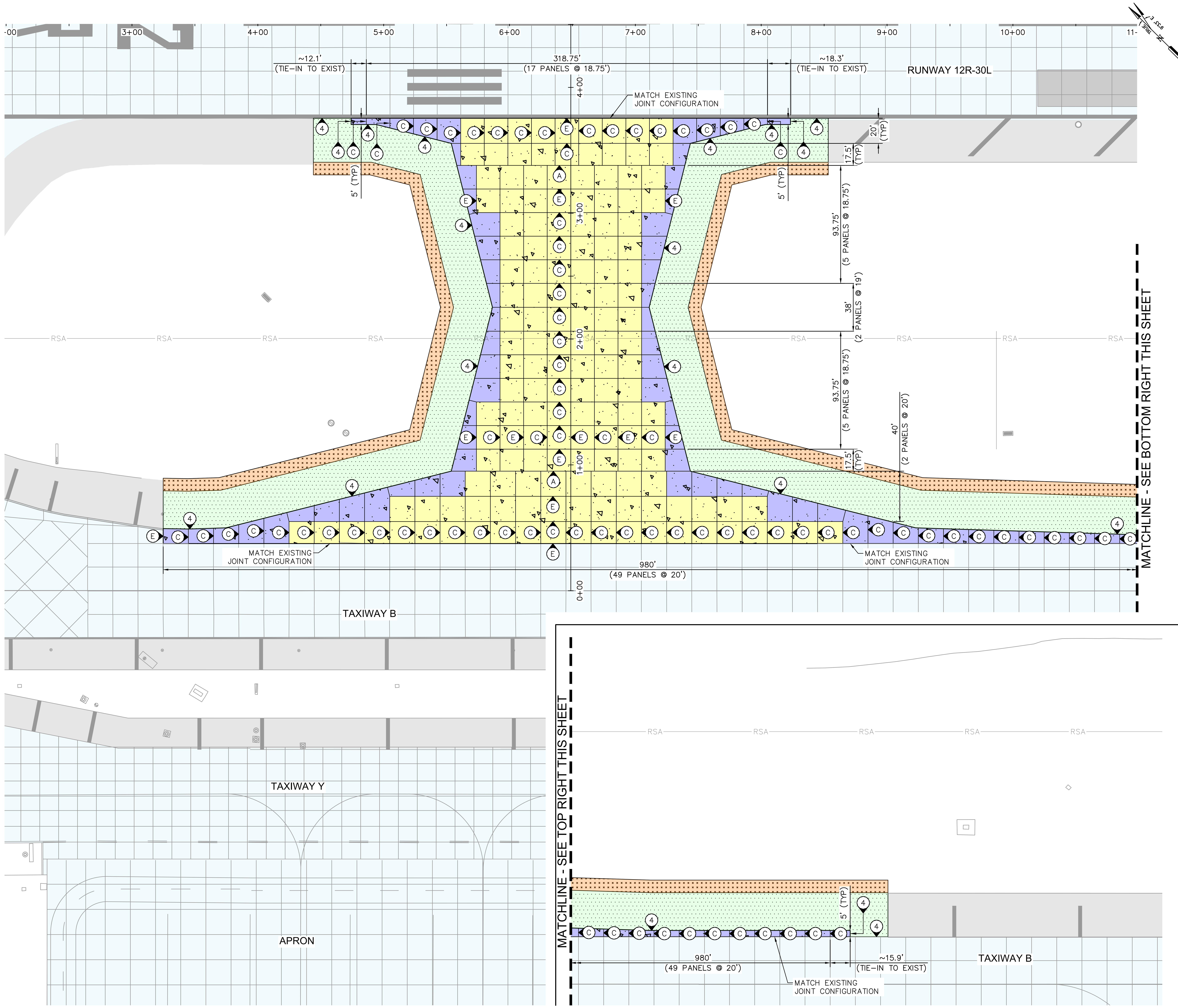
TAXIWAY G REALIGNMENT

STORM DRAIN PROFILE
STORM DRAIN SYSTEM "F"

PROJECT NO. 091134073

FILE NO. 091134073 - SD

C8.16



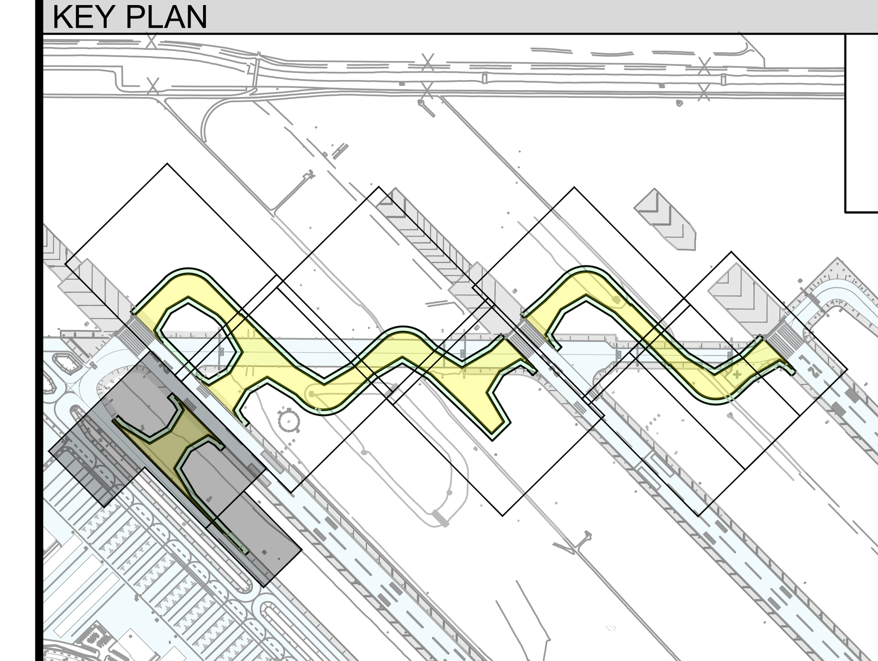
LEGEND

- PORTLAND CEMENT CONCRETE PAVEMENT (P-501)
- AC PAVEMENT SHOULDER (P-403)
- MAG AGGREGATE STABILIZED SHOULDER (P-208)
- REINFORCED PCC PAVEMENT PANEL, REFER TO DETAIL 6, SHEET C9.9
- (A) JOINT TYPE A, REFER TO SHEET C9.9 FOR PAVEMENT JOINT DETAILS
- (C) JOINT TYPE C, REFER TO SHEET C9.9 FOR PAVEMENT JOINT DETAILS
- (E) JOINT TYPE E, REFER TO SHEET C9.9 FOR PAVEMENT JOINT DETAILS
- (4) PAVEMENT EDGE SEAL, REFER TO SHEET C9.9 FOR PAVEMENT JOINT DETAILS

GENERAL NOTES:

1. REFER TO SHEET C1.5 FOR HORIZONTAL CONTROL.
2. TYPE C AND E JOINTS MAY BE INTERCHANGED WITH APPROVAL FROM THE ENGINEER.
3. PORTLAND CEMENT CONCRETE PAVEMENT (P-501) JOINTS SHALL NOT VARY MORE THAN 1/2-INCH FROM THEIR DESIGNATED POSITION AND SHALL BE TRUE TO LINE WITH NOT MORE THAN 1/4-INCH VARIATION IN 10-FEET. ANY JOINT(S) THAT ARE NOT PARALLEL OR PERPENDICULAR, OTHER THAN IRREGULAR SLABS, SHALL BE REMOVED AND REPLACED BY THE CONTRACTOR WITH NO ADDITIONAL COST TO THE MESA GATEWAY AIRPORT AUTHORITY.
4. ALL SAWCUT DEBRIS FROM THE WIDENING OF THE JOINTS SHALL BE REMOVED FROM THE CONCRETE SURFACE IMMEDIATELY AFTER SAWCUTTING BY VACUUMING THE SLURRY.
5. DOWEL BARS SHALL NOT VARY IN ALIGNMENT BY MORE THAN TWO-PERCENT (2%) OR 0.40" IN EACH PLANE. MISALIGNED DOWEL BARS BY MORE THAN THE SPECIFIED TOLERANCE SHALL REQUIRE THE PCCP TO BE REMOVED ON EACH SIDE OF THE DOWEL BARS AT NO ADDITIONAL COST TO THE MESA GATEWAY AIRPORT AUTHORITY.
6. ALL STATION/OFFSET LABELS REFER TO THE PROPOSED "TAXIWAY G" ALIGNMENT.

KEY PLAN



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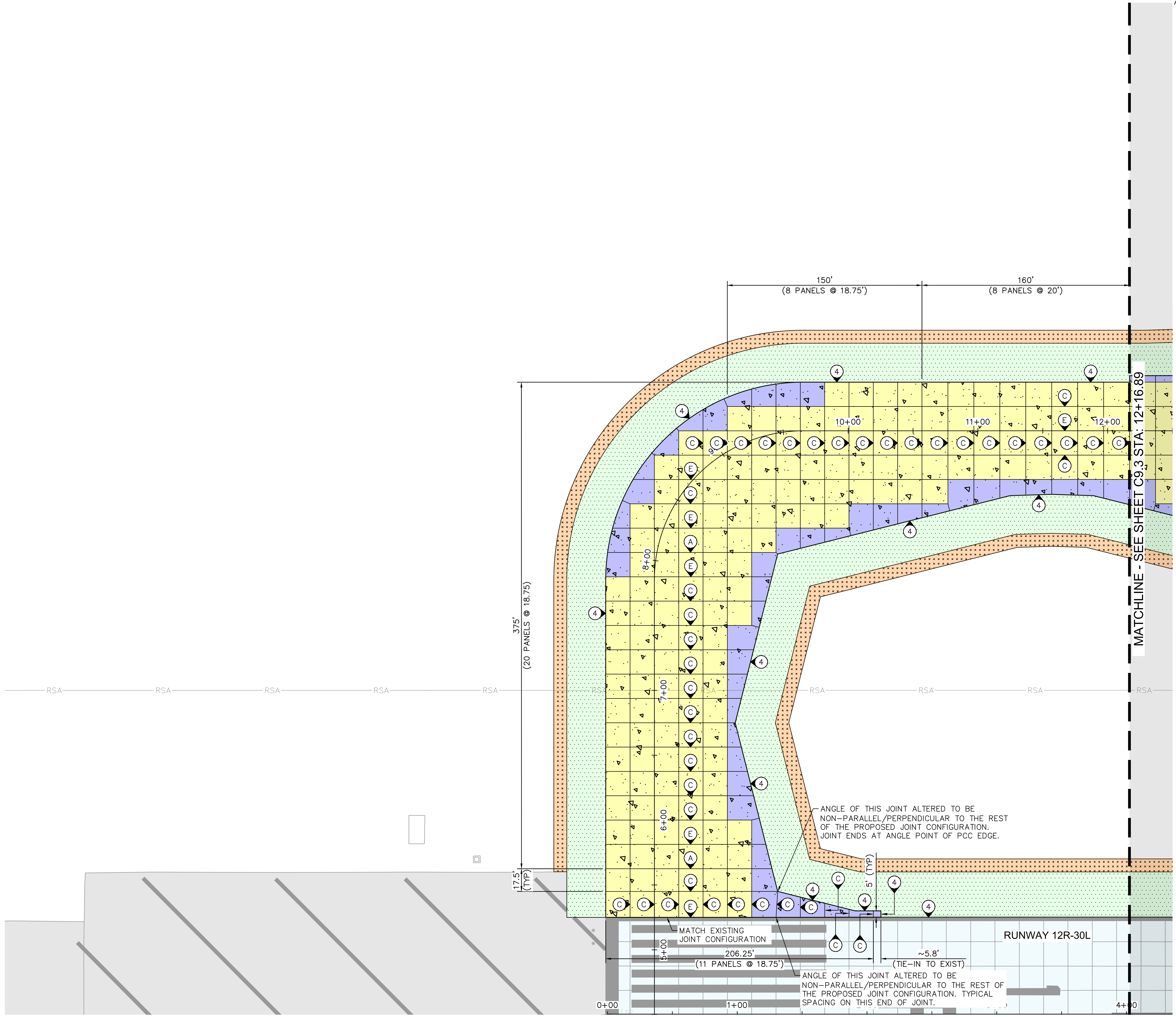
PROJECT NAME

MESA GATEWAY AIRPORT
TAXIWAY G REALIGNMENT

JOINT LAYOUT PLAN
SHEET 1 OF 8

PROJECT NO. 091134073
FILE NO. 091134073 - JT

C9.1



LEGEND

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- MAG AGGREGATE STABILIZED SHOULDER (P-208)
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- C — JOINT TYPE C, REFER TO SHEET C9.9 FOR PAVEMENT JOINT DETAILS
- E — JOINT TYPE E, REFER TO SHEET C9.9 FOR PAVEMENT JOINT DETAILS
- 4 — PAVEMENT EDGE SEAL, REFER TO SHEET C9.9 FOR PAVEMENT JOINT DETAILS

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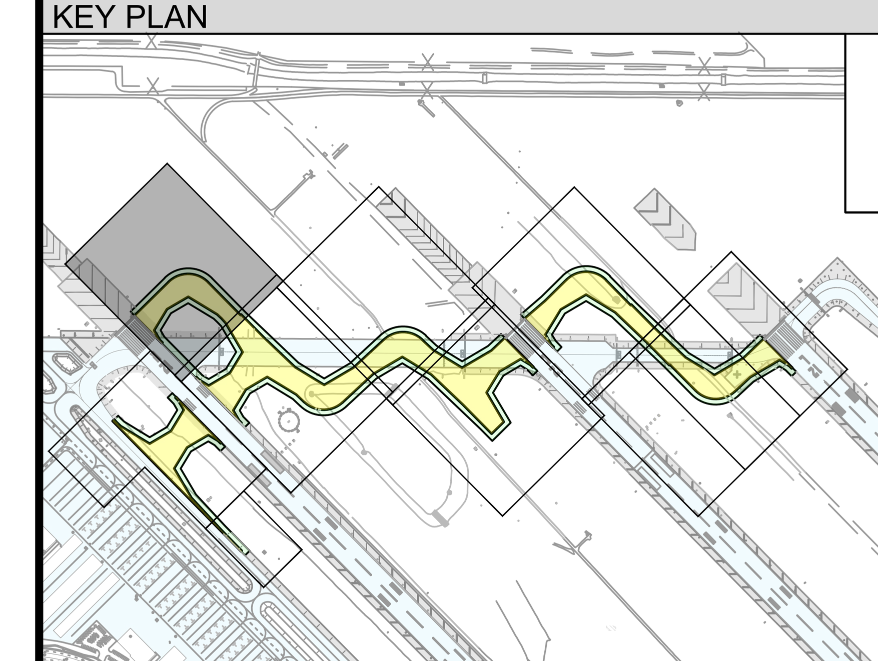
KEY PLAN



GRAPHIC SCALE
40 0 20 40 80
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ARIZONA 811
Dial 8-1-1 or 1-800-STAKE-IT (782-5348)
In Maricopa County: (602) 263-1100

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KIMLEY-HORN AND ASSOCIATES, INC.
2046 Riverview Auto Dr., SUITE 400
Mesa, Arizona 85210 (480) 207-2666

FIRM'S SEAL

SCALE
Horiz. 1" = 40'
Vert.
Date 11/26/2025
Designed by JMM
Drawn by BPN
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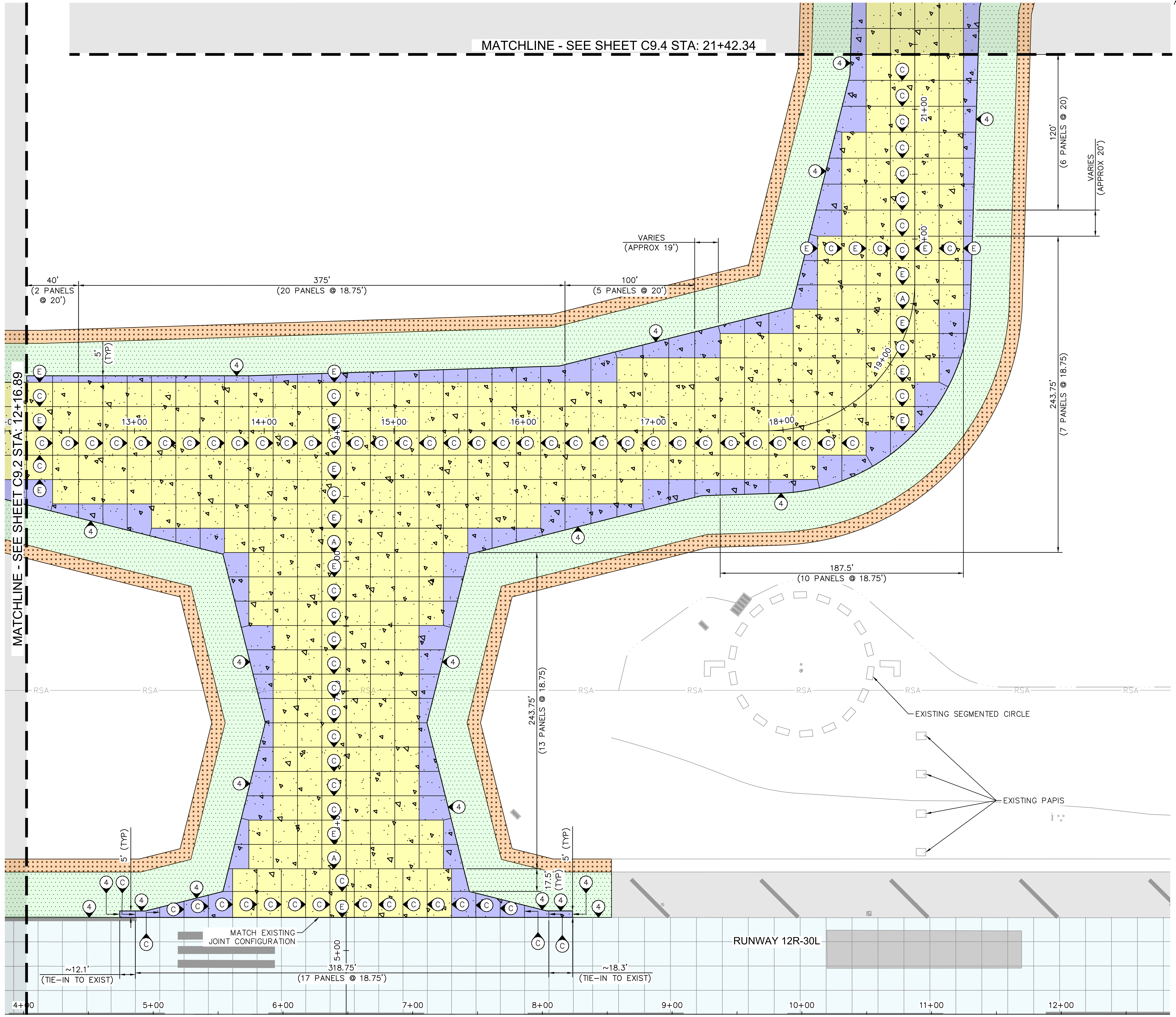
PROJECT NAME
MESA GATEWAY AIRPORT
TAXIWAY G REALIGNMENT

JOINT LAYOUT PLAN
SHEET 2 OF 8

PROJECT NO. 091134073
FILE NO. 091134073 - JT
C9.2
SHEET 76 of 153



LEGEND

- PORTLAND CEMENT CONCRETE PAVEMENT (P-501)
- AC PAVEMENT SHOULDER (P-403)
- MAG AGGREGATE STABILIZED SHOULDER (P-208)
- REINFORCED PCC PAVEMENT PANEL, REFER TO DETAIL 6, SHEET C9.9
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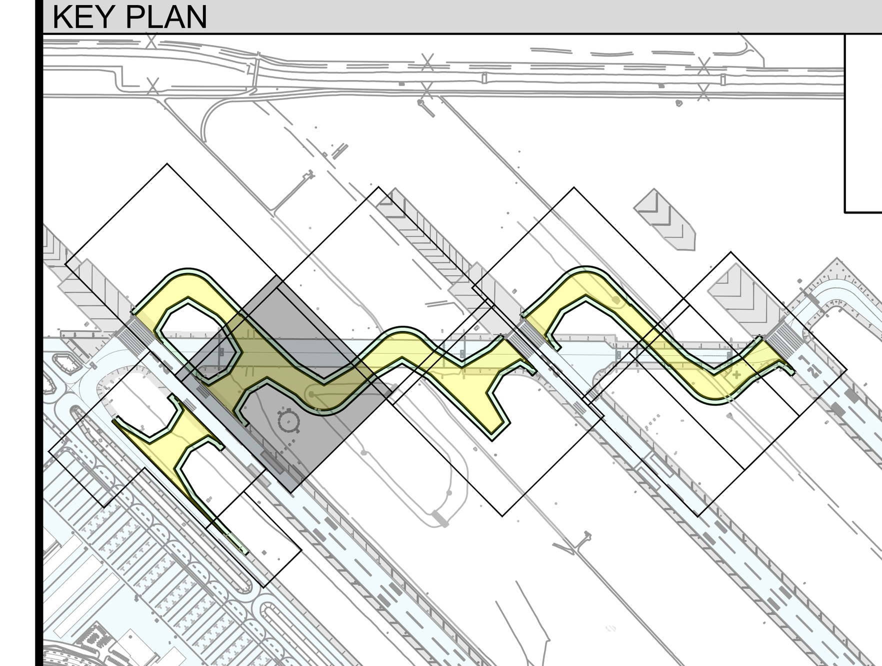

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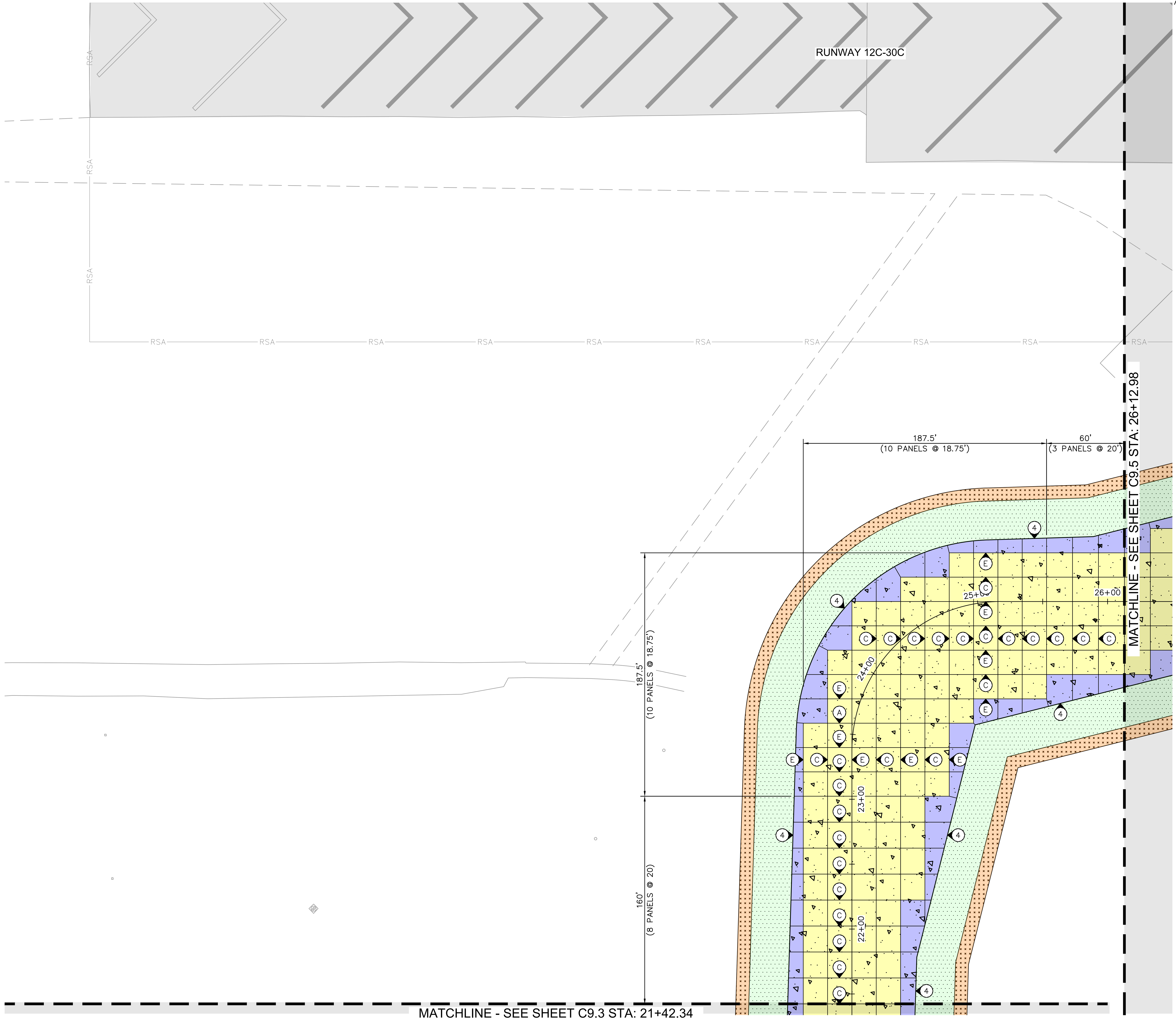
JOINT LAYOUT PLAN
SHEET 3 OF 8

PROJECT NO. 091134073
FILE NO. 091134073 - JT

C9.3



LEGEND

PORTLAND CEMENT CONCRETE PAVEMENT (P-501)

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MAG AGGREGATE STABILIZED SHOULDER (P-208)

REINFORCED PCC PAVEMENT PANEL, REFER TO DETAIL 6, SHEET C9.9

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C — JOINT TYPE C, REFER TO SHEET C9.9 FOR PAVEMENT JOINT DETAILS

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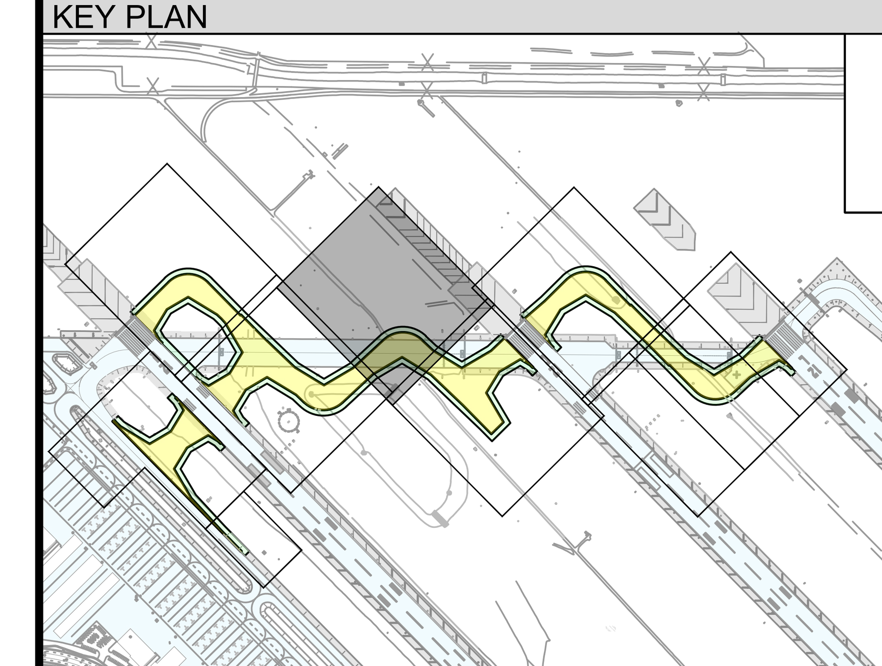

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MESA GATEWAY AIRPORT
TAXIWAY G REALIGNMENT

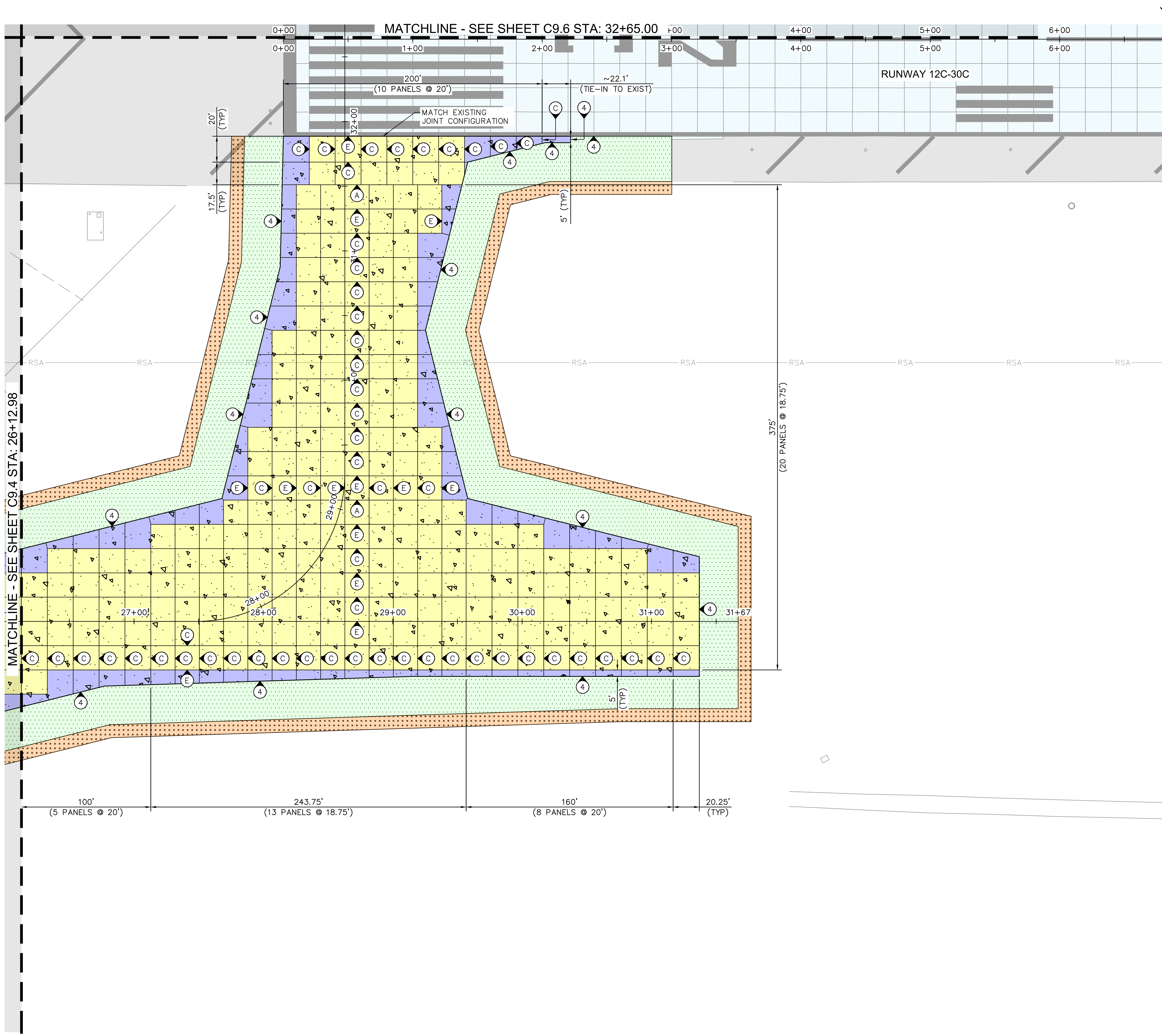
JOINT LAYOUT PLAN
SHEET 4 OF 8

PROJECT NO. 091134073

FILE NO. 091134073 - JT

C9.4

SHEET 78 of 153



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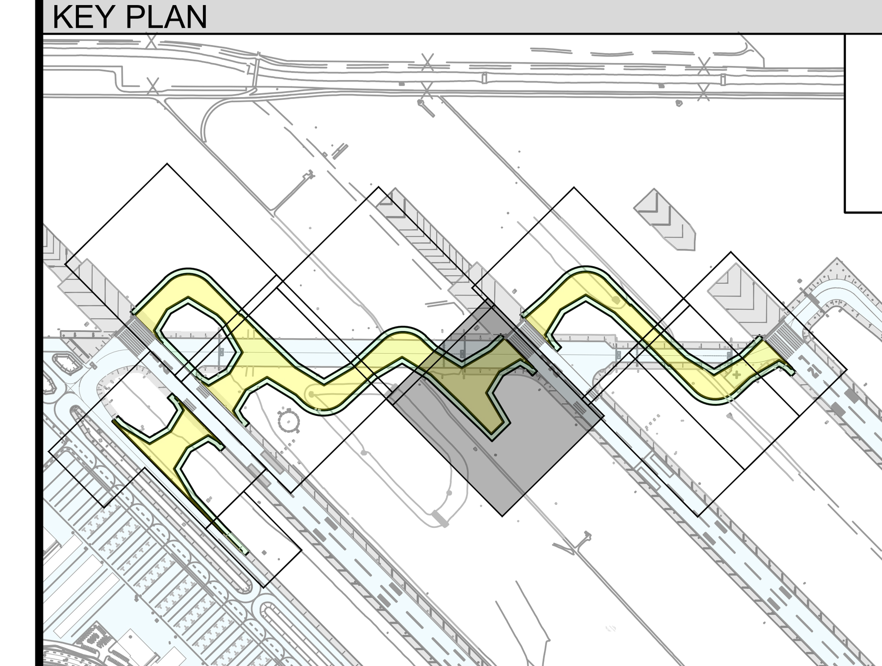

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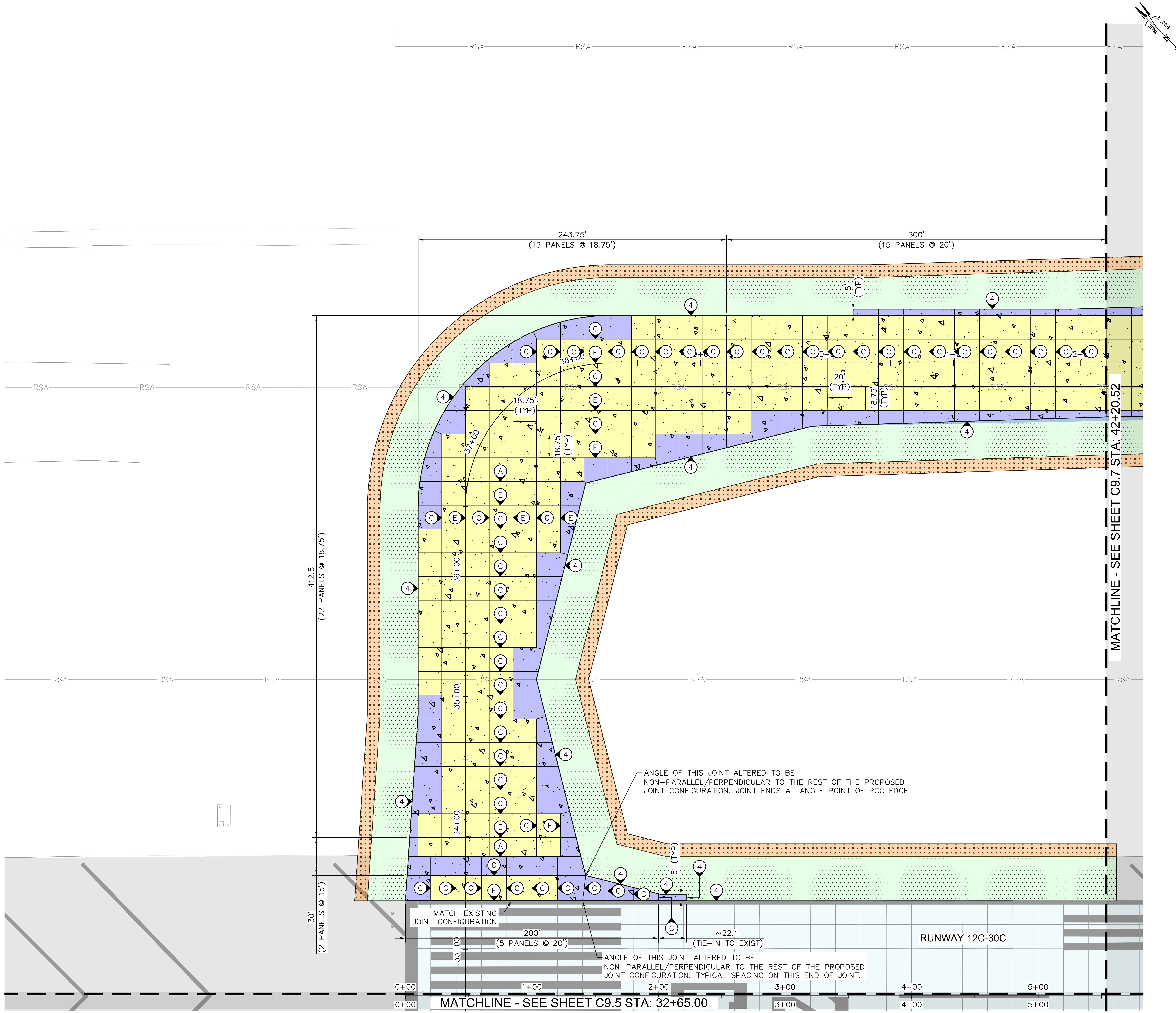
JOINT LAYOUT PLAN
SHEET 5 OF 8

PROJECT NO. 091134073
FILE NO. 091134073 - JT

C9.5



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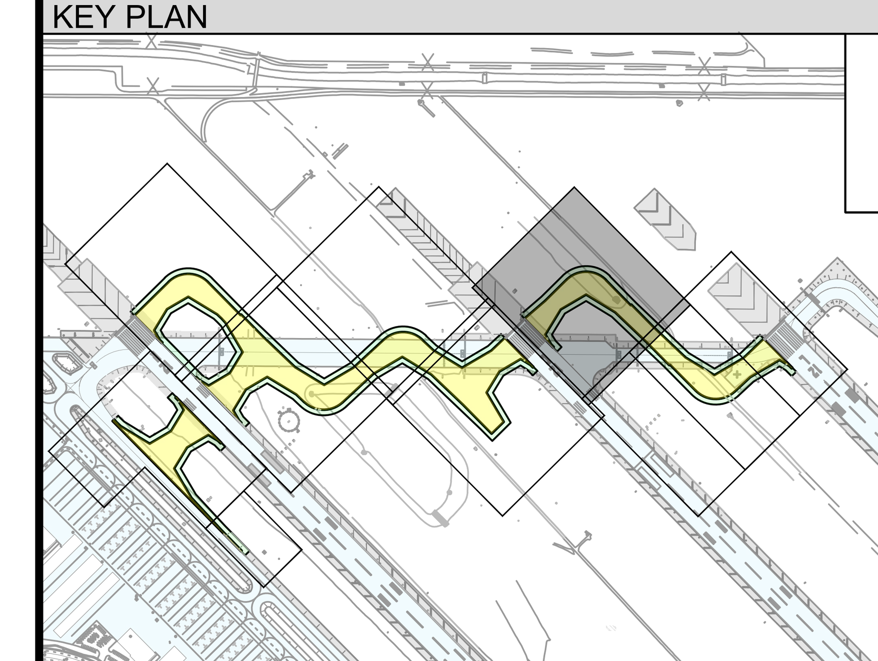

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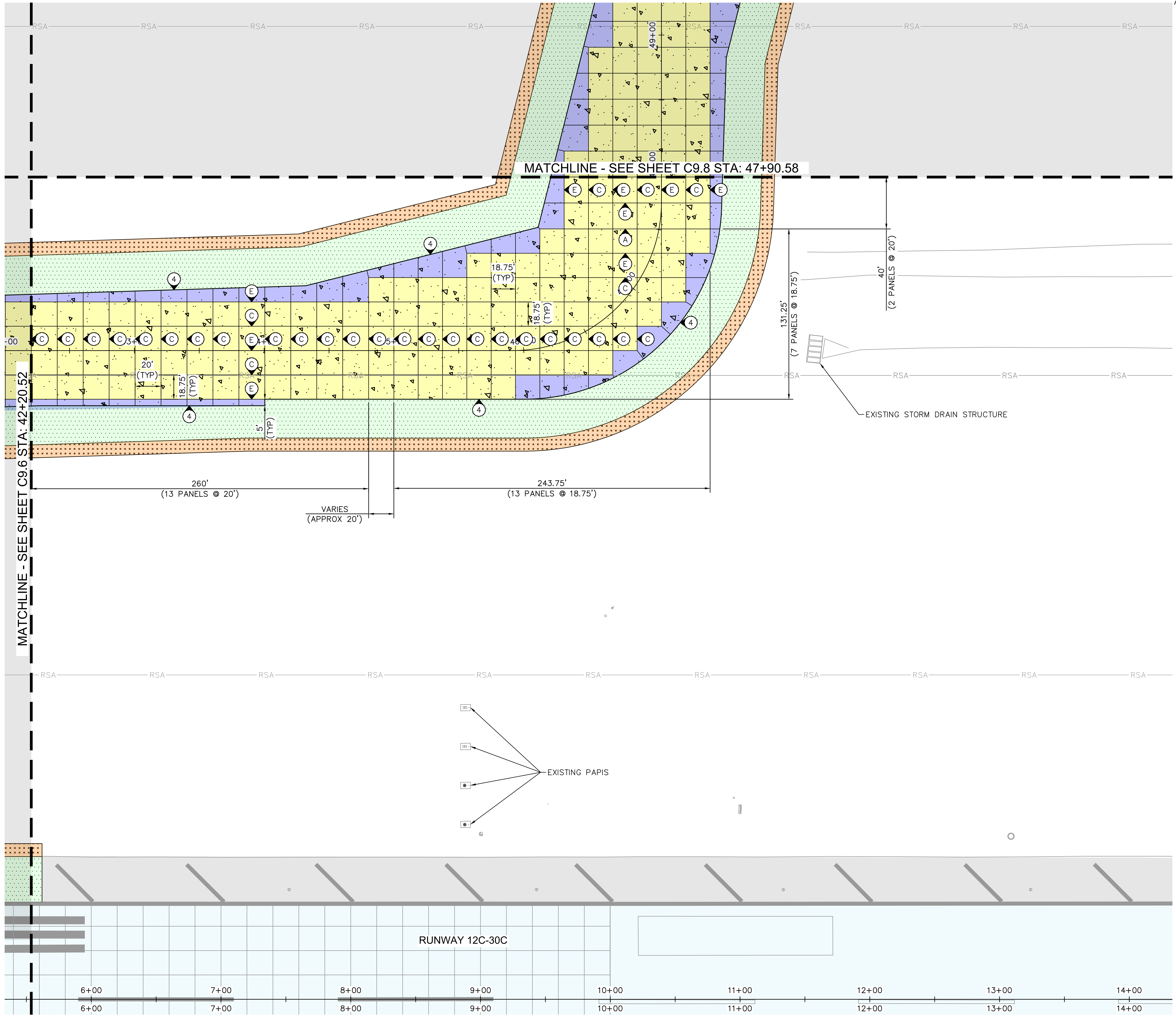
JOINT LAYOUT PLAN
SHEET 6 OF 8

PROJECT NO. 091134073
FILE NO. 091134073 - JT

C9.6



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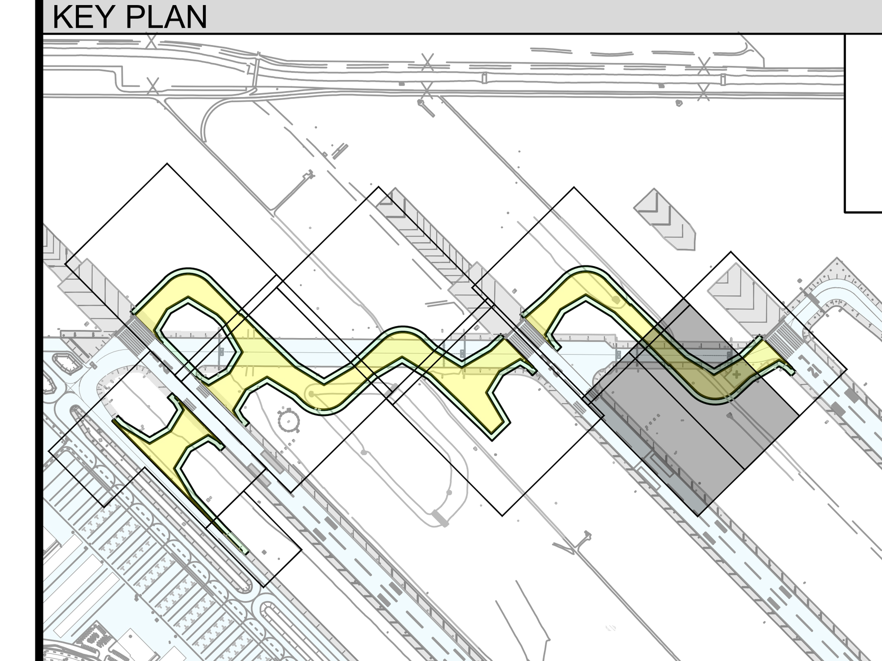

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JOINT LAYOUT PLAN

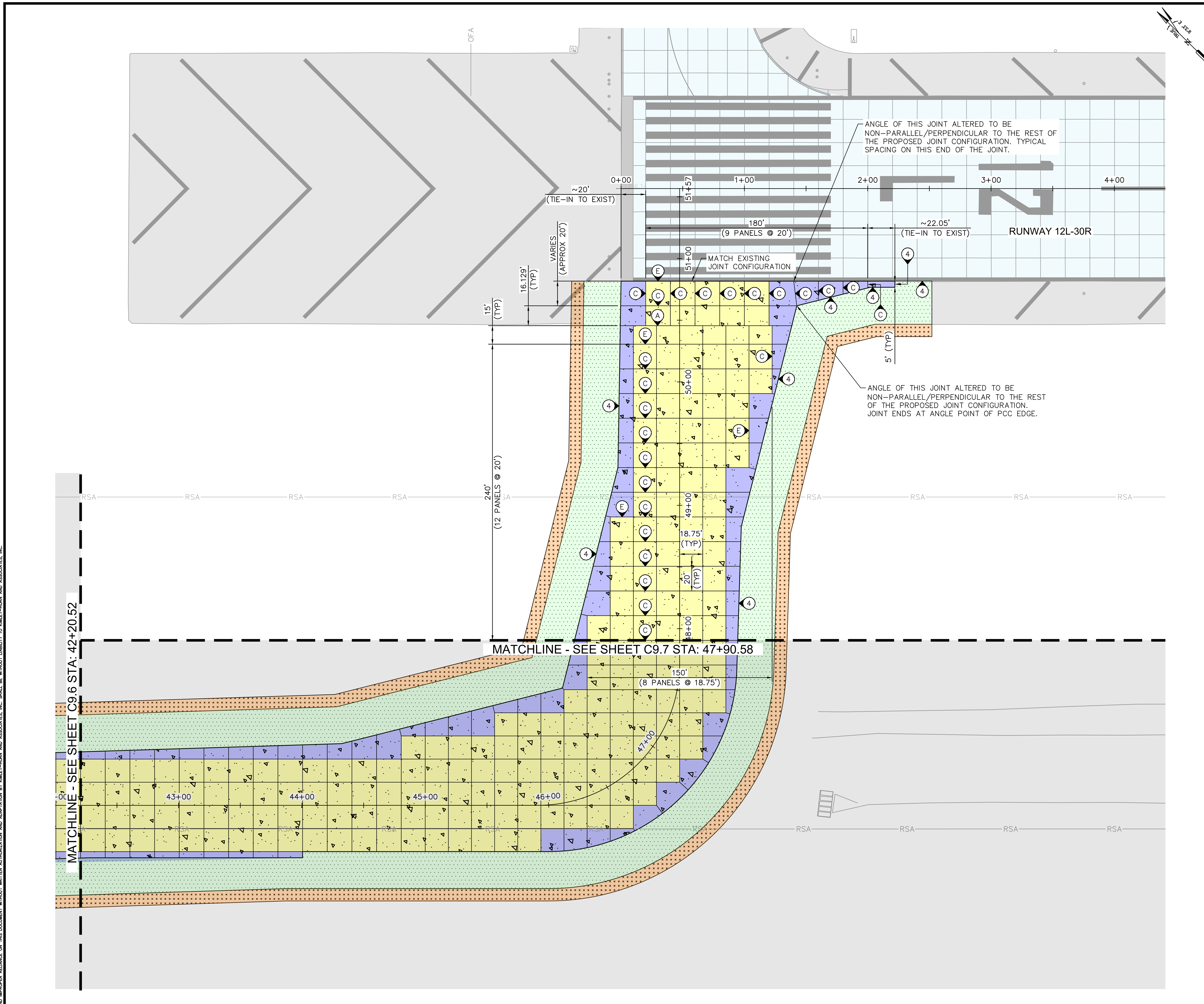
SHEET 7 OF 8

PROJECT NO. 091134073

FILE NO. 091134073 - JT

C9.7

SHEET 81 of 153



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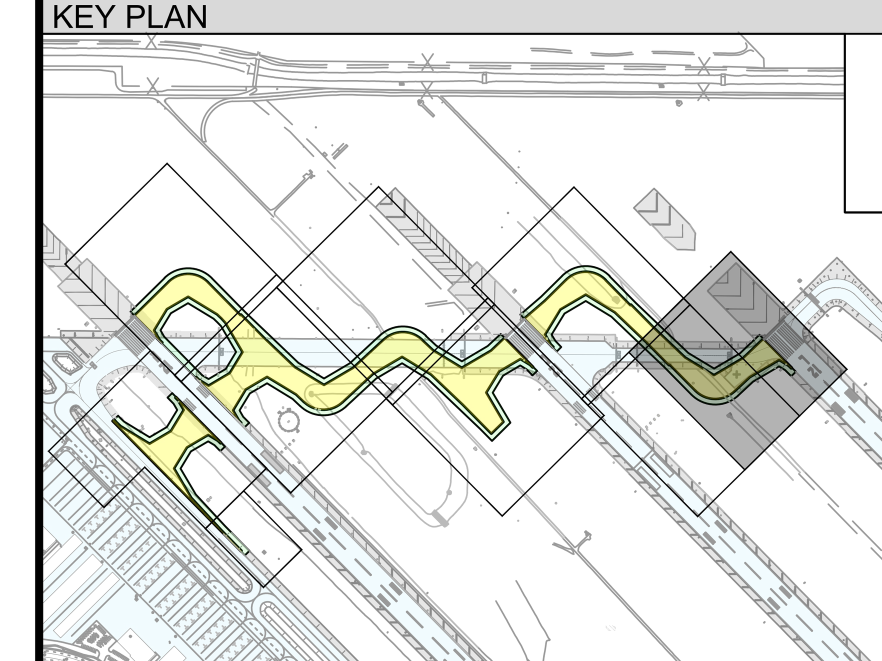

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FIRM'S NAME: Kimley»Horn
KIMLEY-HORN AND ASSOCIATES, INC.
2246 Riverview Auto Dr, SUITE 400
Mesa, Arizona 85210 (480) 207-2666

FIRM'S SEAL

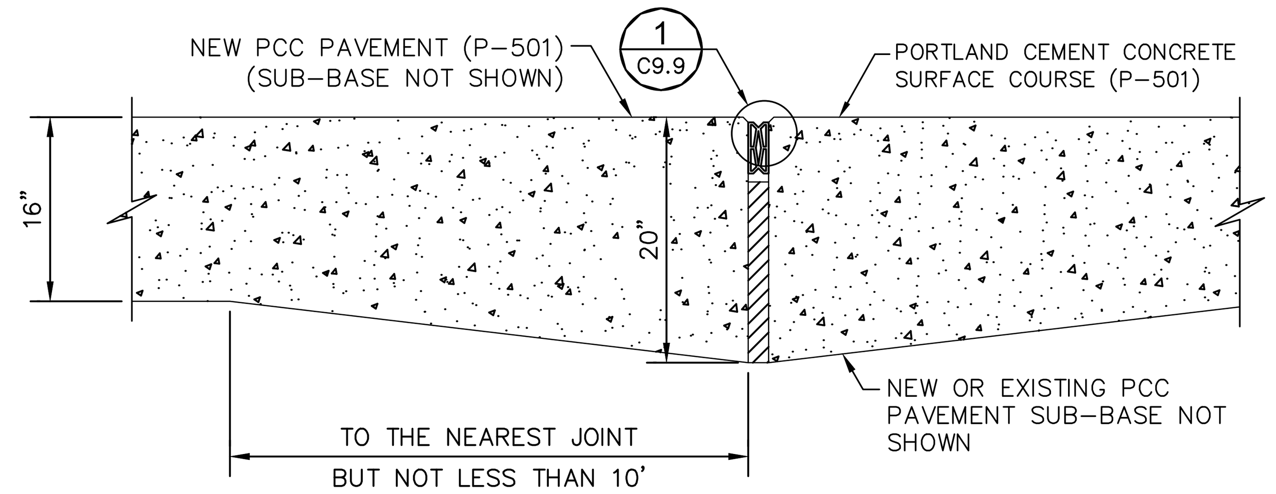
SCALE
Horiz. 1" = 40'
Vert.
Date 11/26/2025
Designed by JMM
Drawn by BPN
Checked by NCW
Approved by JMM

Mesa Gateway Airport
MESA GATEWAY AIRPORT AUTHORITY
5835 SOUTH SOSSAMAN ROAD
MESA, ARIZONA 85212
(480) 988-7600
GATEWAYAIRPORT.COM

PROJECT NAME
MESA GATEWAY AIRPORT
TAXIWAY G REALIGNMENT
JOINT LAYOUT PLAN
SHEET 8 OF 8

PROJECT NO. 091134073
FILE NO. 091134073 - JT
C9.8
SHEET 82 of 153

K:\esv_aviation\091134073 – taxiway g realignment\CADD\091134073 – JT.dwg Nov 26, 2025 Emma.Gotzke



A
C9.9
TYPE A - THICKENED EDGE EXPANSION JOINT
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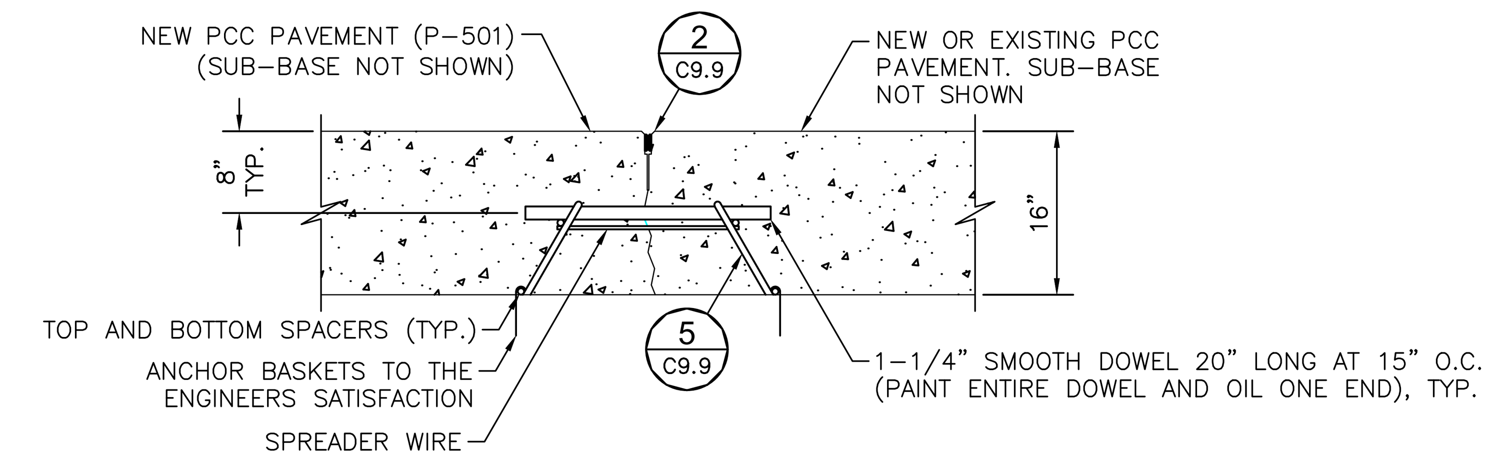
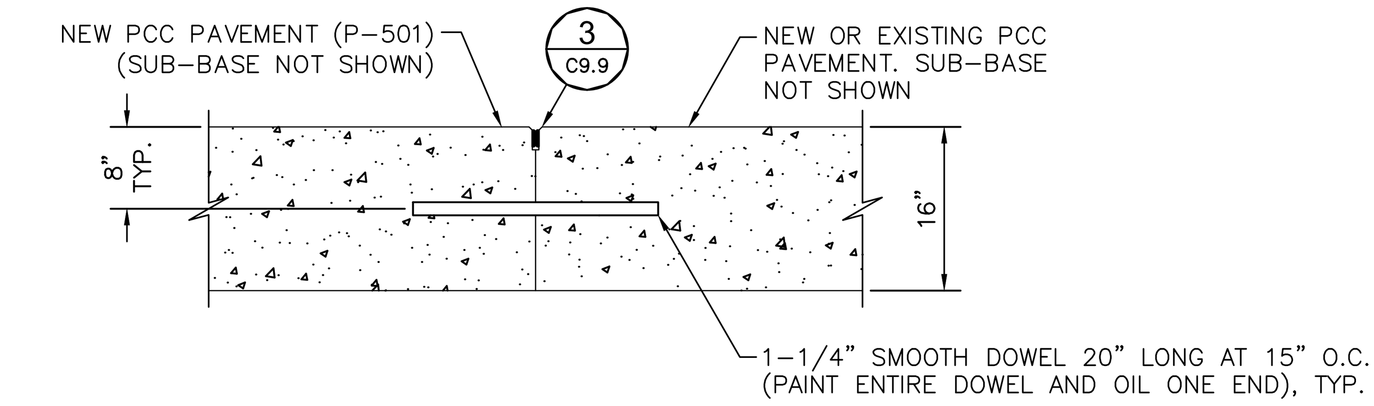


C
C9.9
TYPE C - DOWELED CONTRACTION JOINT
DOWEL BARS SHALL NOT BE PLACED MECHANICALLY
N.T.S.



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TYPE E - DOWELED CONSTRUCTION JOINT
DOWEL BARS SHALL NOT BE PLACED MECHANICALLY
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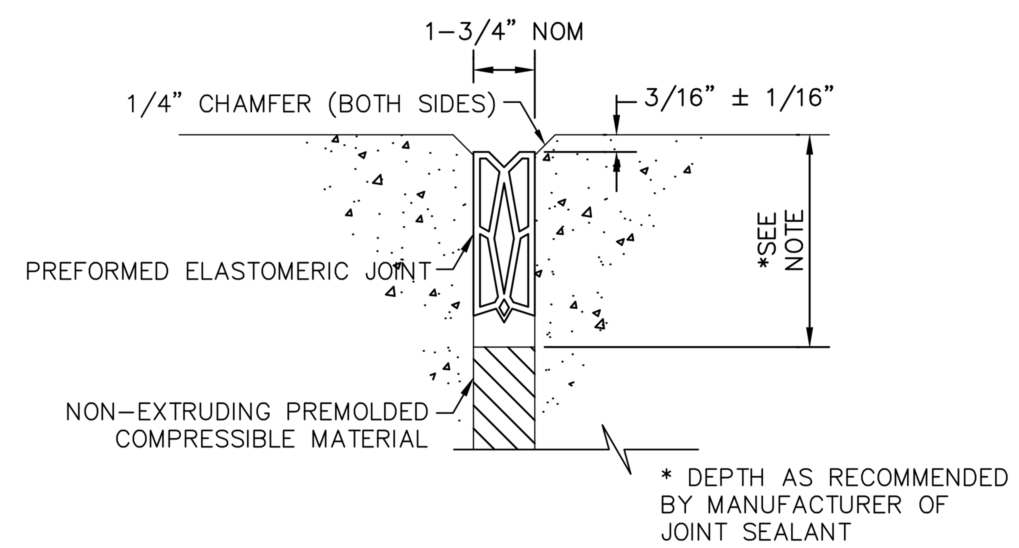

1
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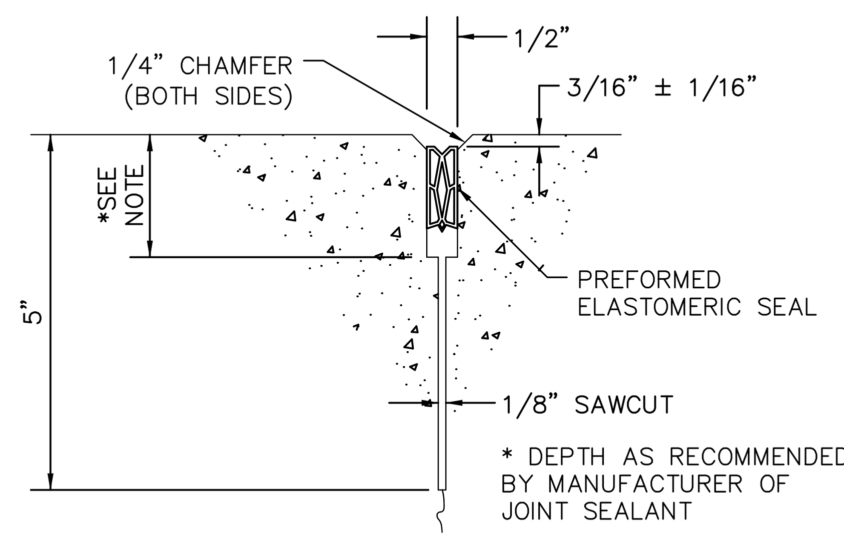
EXPANSION JOINT
N.T.S.



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CONTRACTION JOINT
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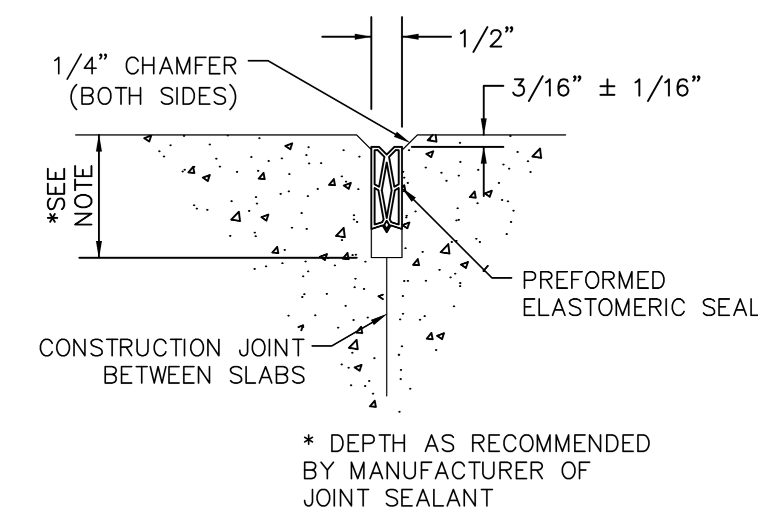

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CONSTRUCTION JOINT
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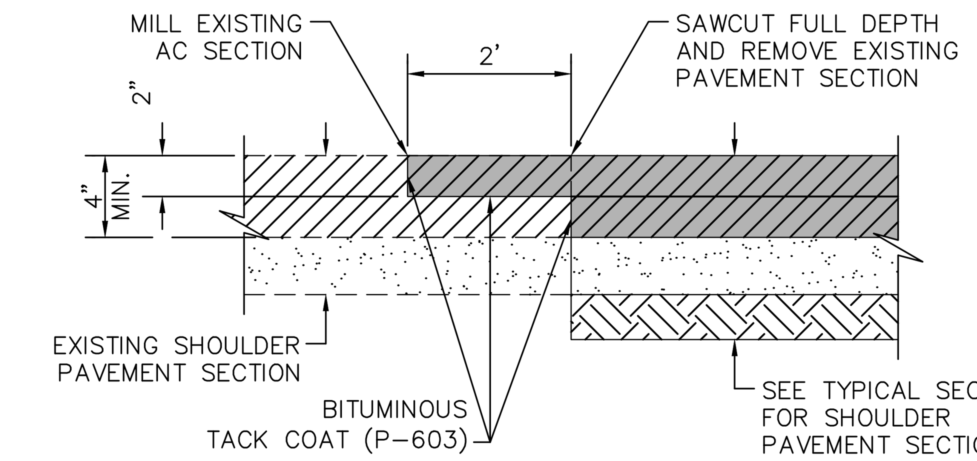

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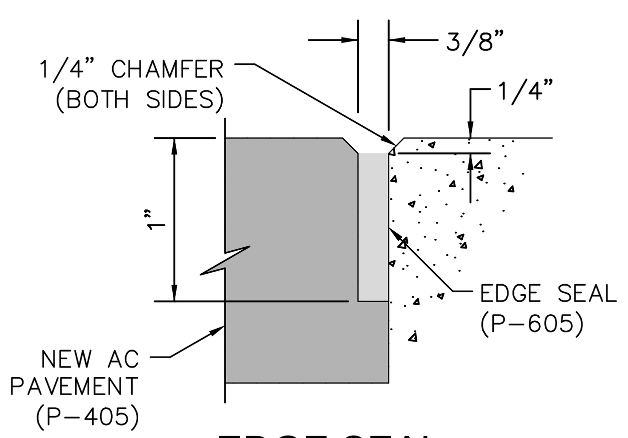
ASPHALT PAVEMENT TRANSITION
N.T.S.



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EDGE SEAL
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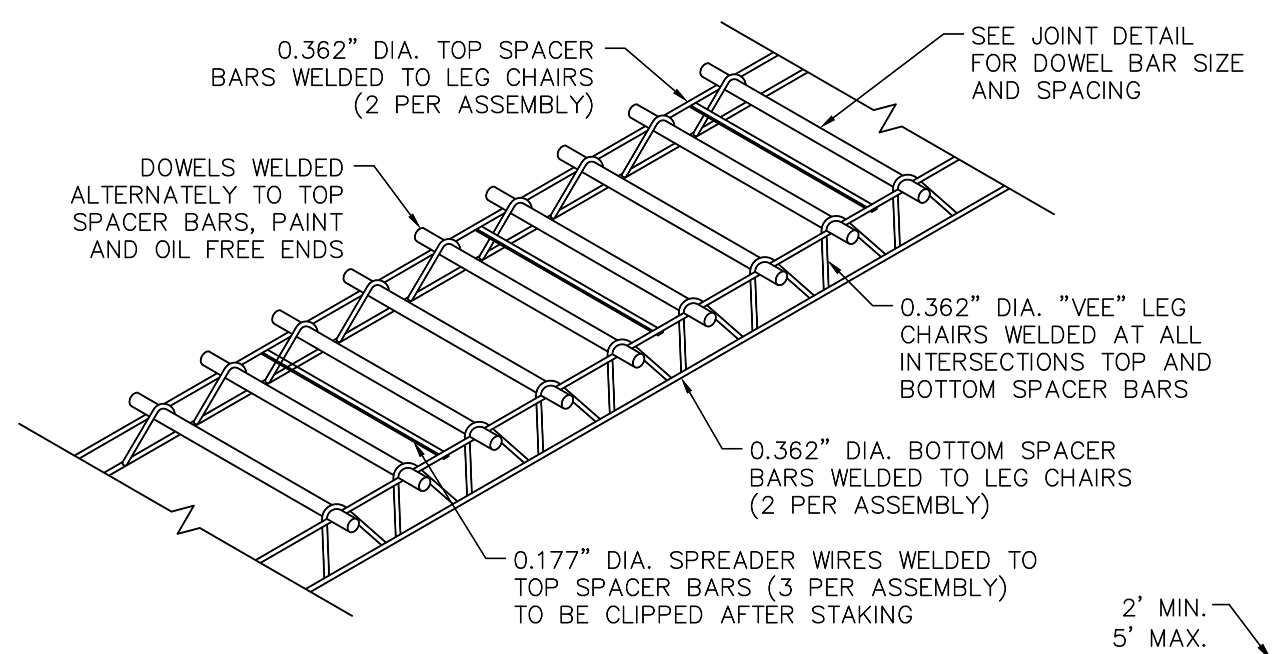
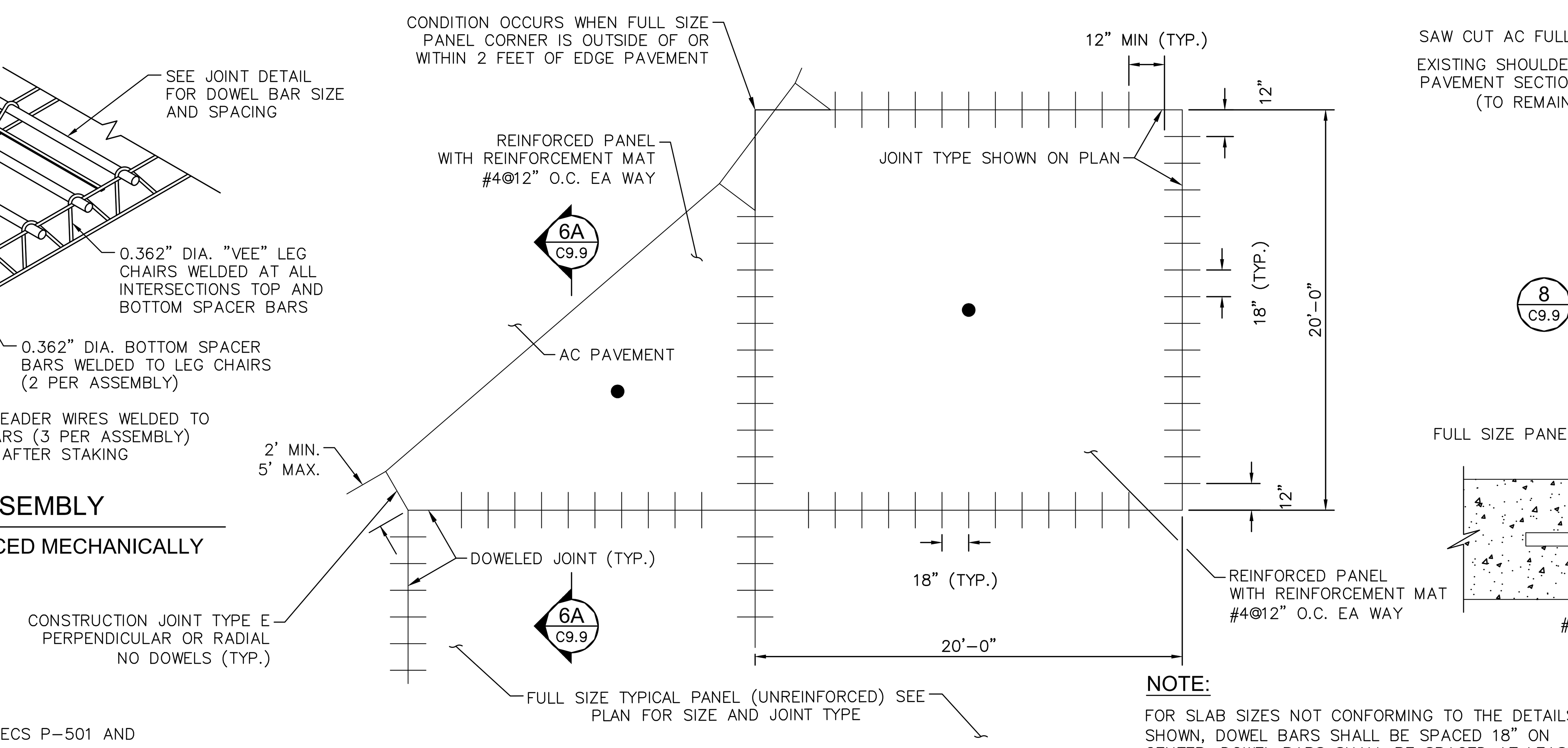
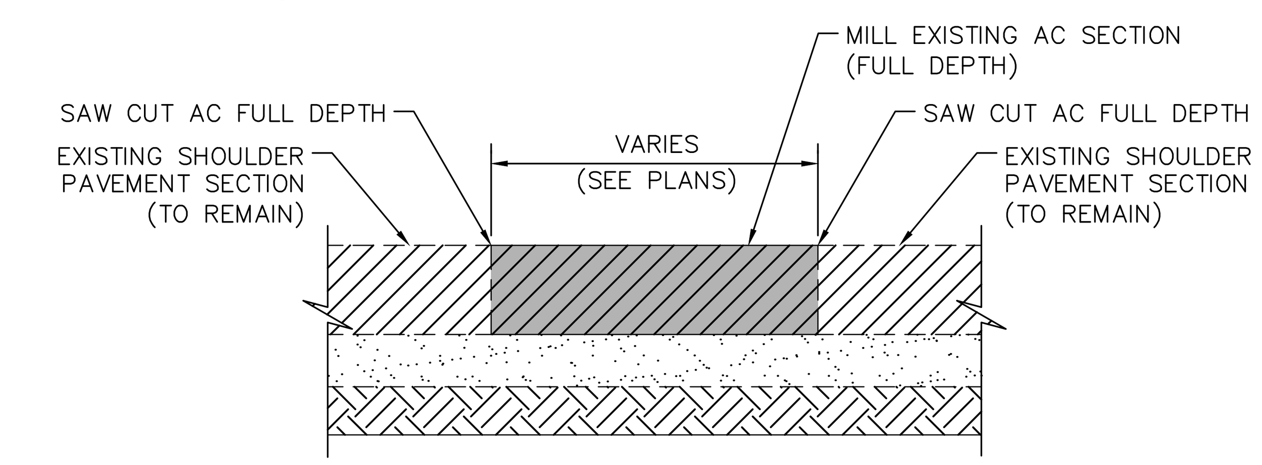


5
C9.9
DOWEL BASKET ASSEMBLY
DOWEL BARS SHALL NOT BE PLACED MECHANICALLY
N.T.S.

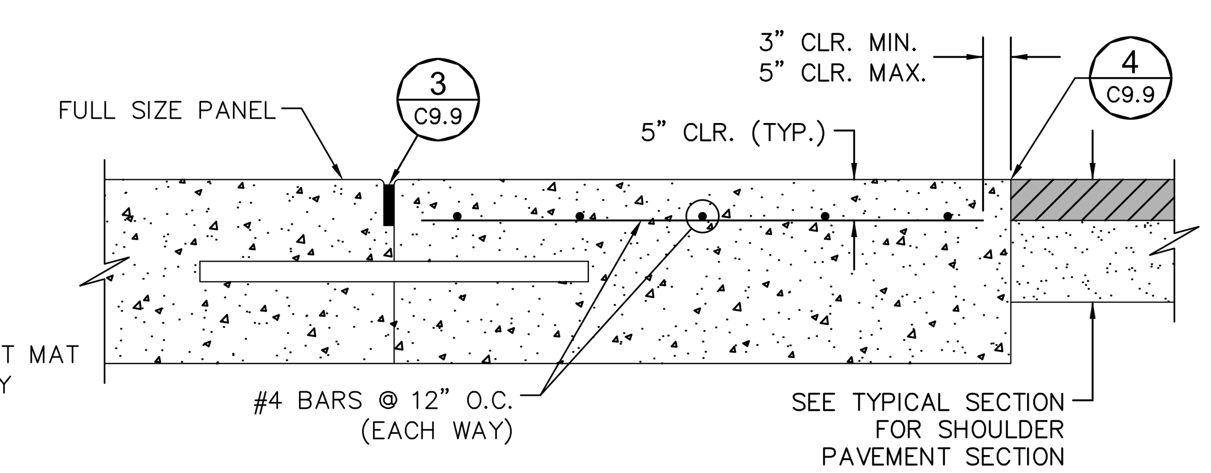


NOTE:
FOR SLAB SIZES NOT CONFORMING TO THE DETAILS SHOWN, DOWEL BARS SHALL BE SPACED 18" ON CENTER, DOWEL BARS SHALL BE SPACED AT LEAST 12" FROM ANY SLAB CORNER.

6
C9.9
REINFORCED PCC PAVEMENT PANEL
N.T.S.



8
C9.9
ASPHALT PAVEMENT MILL FULL DEPTH
N.T.S.



6A
C9.9
SECTION
N.T.S.

GENERAL NOTES:

1. ALL JOINT CONSTRUCTION, MATERIALS AND JOINT SEALER SHALL BE IN ACCORDANCE WITH FAA SPECS P-501 AND P-604 OR AS NOTED.
2. ALL MATERIALS AND WORK REQUIRED FOR NEW JOINTS ARE INCIDENTAL TO ITEM P-501.
3. THE MATERIALS AND METHODS SHOWN HERE ARE THE MINIMUM REQUIREMENTS.
4. DOWELS SHALL BE SHOP PAINTED WITH ONE COAT OF LEAD OR TAR PAINT AND THE DOWEL SHALL BE OILED IN THE FIELD, AS NOTED ON DETAILS.
5. DOWEL BAR INSTALLATION DEVICE (DOWEL BASKET) AND METHOD OF ANCHORING INTO POSITION SHALL BE APPROVED BY THE ENGINEER.
6. EDGES OF THE SLAB SHALL BE SPRAYED WITH AN APPROVED CURING MATERIAL BEFORE MAKING AN ADJACENT POUR. A TRANSVERSE CONSTRUCTION JOINT SHALL BE INSTALLED WHEN PAVING OPERATIONS ARE INTERRUPTED FOR MORE THAN THIRTY (30) MINUTES OTHER THAN WORK AT EXPANSION JOINTS OR ENDS OF SLABS. IF THE INTERRUPTION IS LESS THAN EIGHT (8) FEET FROM A PLANNED JOINT, THE FRESH CONCRETE SHALL BE REMOVED EITHER BACK TO THE PREVIOUSLY INSTALLED JOINT OR A MINIMUM OF EIGHT (8) FEET TO THE NEXT PLANNED JOINT.
7. THE CONTRACTOR SHALL MAKE SPECIAL PROVISIONS TO KEEP THE FINISHED CONCRETE SURFACE FREE OF FOREIGN MATERIAL (I.E. AGGREGATE, OILS, ETC.) THROUGHOUT THE PROJECT. SWEEPERS AND VACUUM TRUCKS SHALL BE UTILIZED AS NECESSARY BY THE CONTRACTOR AND/OR AS DIRECTED BY THE ENGINEER TO MAINTAIN THIS PROVISION.
8. THE PAVEMENT SURFACE AND JOINT SHALL BE CLEANED OF SAW CUTTING RESIDUE IMMEDIATELY AFTER EACH JOINT SAWING OPERATION. THE CONTRACTOR SHALL EMPLOY VACUUMING PROCEDURES TO CLEAN THE PAVEMENT SURFACE OF ALL RESIDUE. ADDITIONAL JOINT CLEANING PRIOR TO THE APPLICATION OF JOINT SEALANT SHALL BE ACCOMPLISHED BY MEANS AND METHODS WHICH CREATE NO FUGITIVE DUST.
9. ALL CONSTRUCTION JOINTS THAT ARE NOT OPEN AND FREE OF FOREIGN MATERIAL SHALL BE CLEANED BY SAWING FULL WIDTH AND DEPTH.
10. SHOULD ANY ITEM IN THESE PLANS CONFLICT WITH THE TECHNICAL SPECIFICATIONS, THE SPECIFICATIONS SHALL GOVERN.
11. DOWEL BARS SHALL NOT BE PLACED MECHANICALLY.
12. THE CONTRACTOR SHALL BE ATTENTIVE TO THE TIMING OF SAWCUTTING TO AVOID CRACKING. SEE DETAIL 2, THIS SHEET, FOR DEPTH OF SAWCUT.
13. CONTRACTOR SHALL SAWCUT EXISTING PCC PAVEMENT FULL DEPTH WHERE EXISTING SURFACE EDGE IS NOT VERTICAL.

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ARIZONA 811
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2046 Riverview Auto Dr, SUITE 400
Mesa, Arizona 85210 (480) 207-2666

FIRM'S SEAL

SCALE
Horiz. ____
Vert. ____
Date 11/26/2025
Designed by JMM
Drawn by JZ
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Approved by JMM

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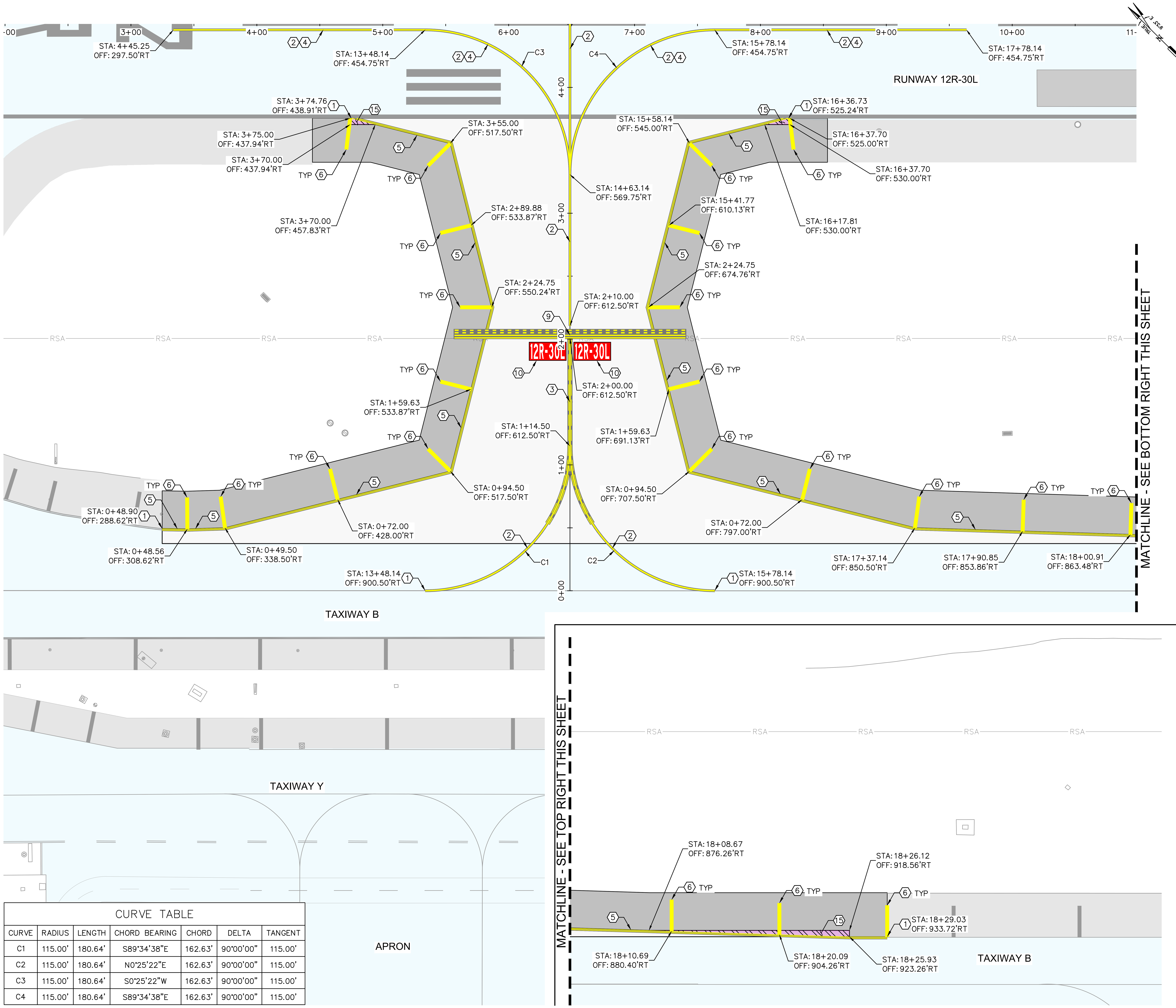
PROJECT NAME
MESA GATEWAY AIRPORT
TAXIWAY G REALIGNMENT
PAVEMENT JOINT DETAILS

PROJECT NO. 091134073
FILE NO. 091134073 - JZ
C9.9
SHEET 83 of 153



CURVE TABLE						
CURVE	RADIUS	LENGTH	CHORD BEARING	CHORD	DELTA	TANGENT
C1	115.00'	180.64'	S89°34'38"E	162.63'	90°00'00"	115.00'
C2	115.00'	180.64'	N0°25'22"E	162.63'	90°00'00"	115.00'
C3	115.00'	180.64'	S0°25'22"W	162.63'	90°00'00"	115.00'
C4	115.00'	180.64'	S89°34'38"E	162.63'	90°00'00"	115.00'

LEGEND

BLACK PAINT TO BE INSTALLED ON EXISTING/PROPOSED PCC PAVEMENT THAT LIES OUTSIDE THE TAXIWAY EDGE MARKINGS (NPI)

GENERAL NOTES

1. REFER TO C1.5 FOR HORIZONTAL CONTROL.
2. PAVEMENT MARKING DETAILS SHALL CONFORM TO THE LATEST EDITION OF THE FEDERAL AVIATION ADMINISTRATION'S ADVISORY CIRCULAR AC-150/5340. IF A CONFLICT OCCURS BETWEEN THESE PLANS AND THE AC, THE AC SHALL TAKE PRECEDENCE.
3. BLACK PAINT TO BE INSTALLED ON EXISTING/PROPOSED PCC PAVEMENT THAT LIES OUTSIDE THE TAXIWAY EDGE MARKINGS (NPI)
4. ALL STATION/OFFSET LABELS REFER TO THE PROPOSED "TAXIWAY G" ALIGNMENT.

CONSTRUCTION NOTES:

1. MATCH EXISTING
2. INSTALL SIX INCH (6") YELLOW TAXIWAY CENTERLINE PAVEMENT MARKING, PER DETAIL 2, SHEET C10.9
3. INSTALL YELLOW ENHANCED TAXIWAY CENTERLINE MARKING, PER DETAIL 6, SHEET C10.9
4. INSTALL SIX INCH (6") YELLOW RUNWAY/TAXIWAY INTERSECTION MARKING, PER DETAIL 2, SHEET C10.10
5. INSTALL DOUBLE SIX INCH (6") YELLOW TAXIWAY EDGE PAVEMENT MARKING, PER DETAIL 1, SHEET C10.9
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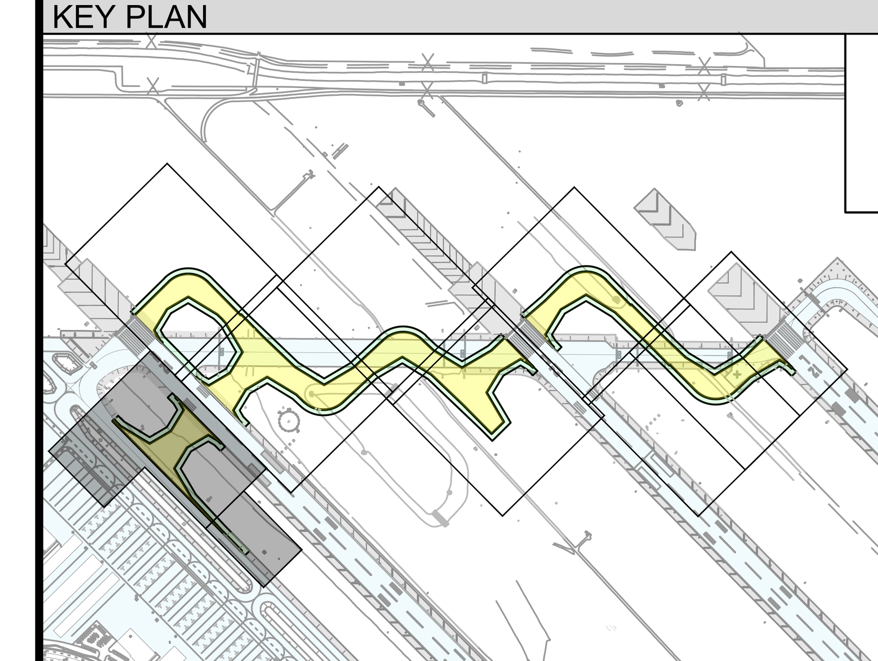
10. INSTALL SURFACE PAINTED HOLDING POSITION SIGN, PER DETAIL 5, SHEET C10.10
11. INSTALL SURFACE PAINTED HOLDING POSITION SIGN, PER REDETAIL 1, SHEET C10.11
12. INSTALL SURFACE PAINTED HOLDING POSITION SIGN, PER DETAIL 2, SHEET C10.11
13. INSTALL SURFACE PAINTED HOLDING POSITION SIGN, PER DETAIL 3, SHEET C10.11
14. INSTALL SURFACE PAINTED HOLDING POSITION SIGN, PER DETAIL 4, SHEET C10.11
15. BLACK PAINT TO BE INSTALLED ON EXISTING/PROPOSED PCC PAVEMENT THAT LIES OUTSIDE THE TAXIWAY EDGE MARKINGS (NPI)
16. APPLY SOLID YELLOW CLOSED TAXIWAY PAVEMENT MARKING PER DETAIL 4, SHEET C10.9
17. INSTALL NINETY-SIX INCH (96") YELLOW ILS OBJECT FREE ZONE MARKING, PER DETAIL 1, SHEET C10.10

KEY PLAN



GRAPHIC SCALE

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(IN FEET)

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Mesa, Arizona 85210 (480) 207-2666

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PROJECT NAME

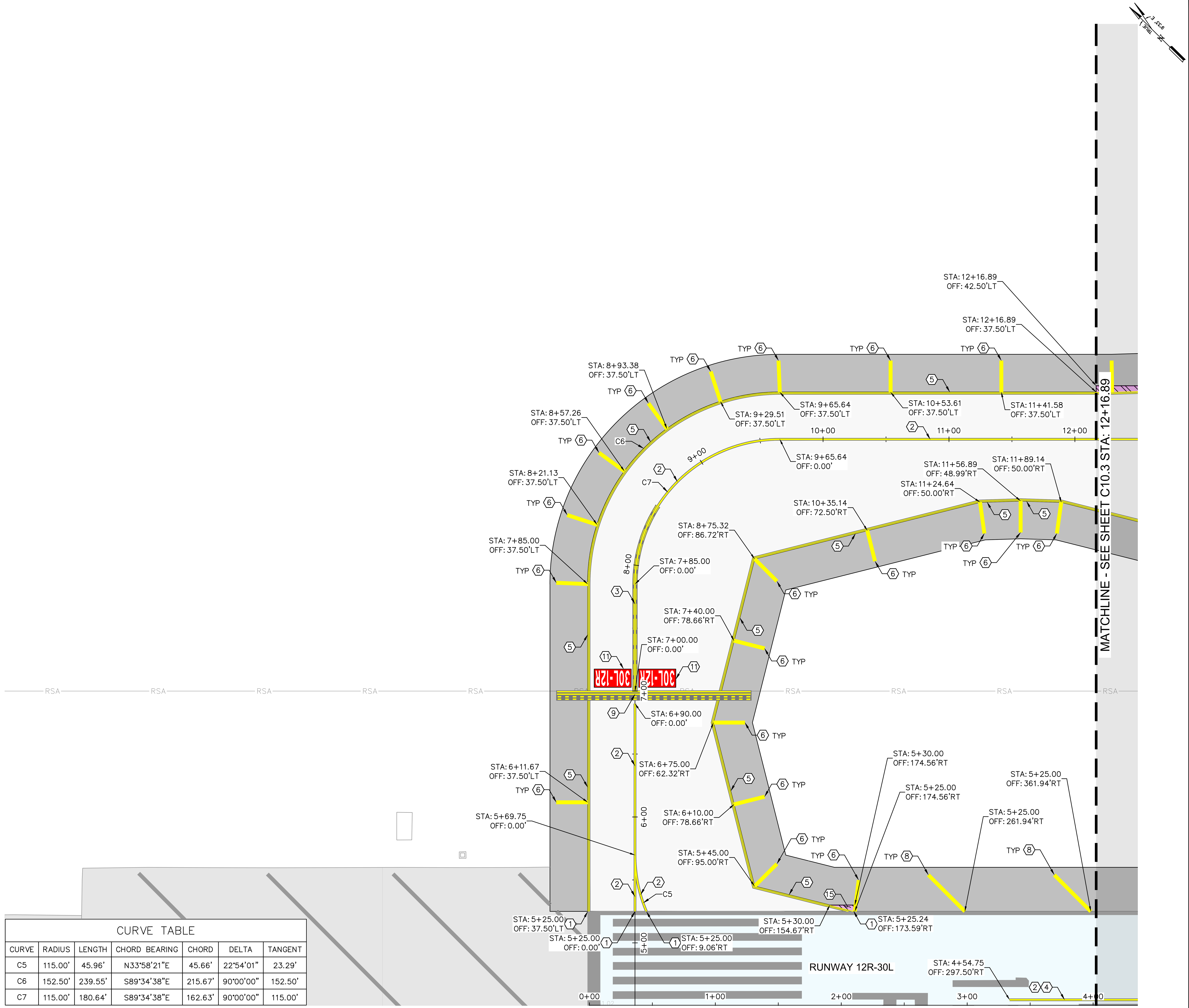
MESA GATEWAY AIRPORT
TAXIWAY G REALIGNMENT

PAVEMENT MARKING PLAN
SHEET 1 OF 8

PROJECT NO. 091134073

FILE NO. 091134073 - PM

C10.1



CURVE TABLE						
CURVE	RADIUS	LENGTH	CHORD BEARING	CHORD	DELTA	TANGENT
C5	115.00'	45.96'	N33°58'21"E	45.66'	22°54'01"	23.29'
C6	152.50'	239.55'	S89°34'38"E	215.67'	90°00'00"	152.50'
C7	115.00'	180.64'	S89°34'38"E	162.63'	90°00'00"	115.00'

LEGEND

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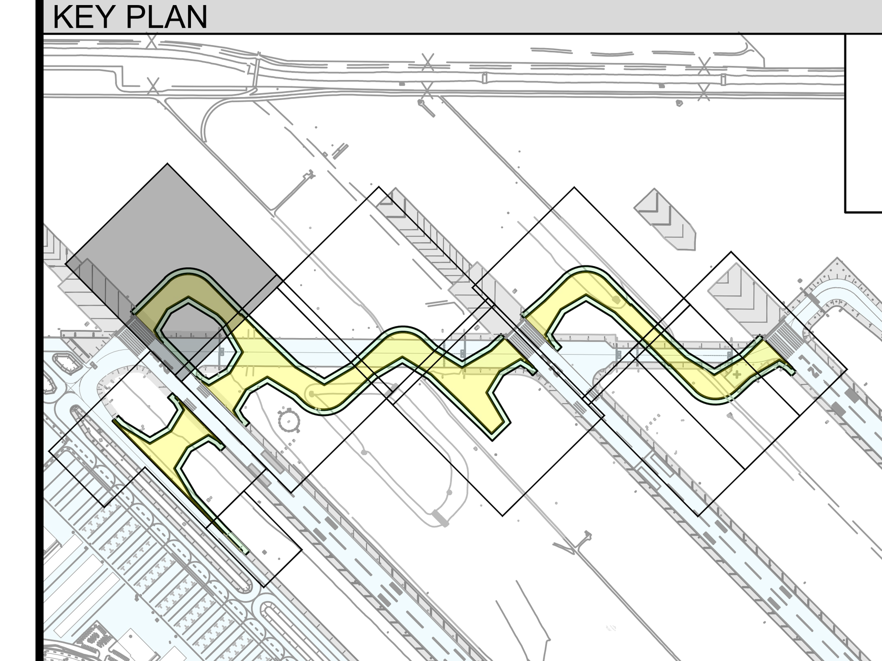
KEY PLAN



GRAPHIC SCALE

40 0 20 40 80

(IN FEET)

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MESA GATEWAY AIRPORT
TAXIWAY G REALIGNMENT

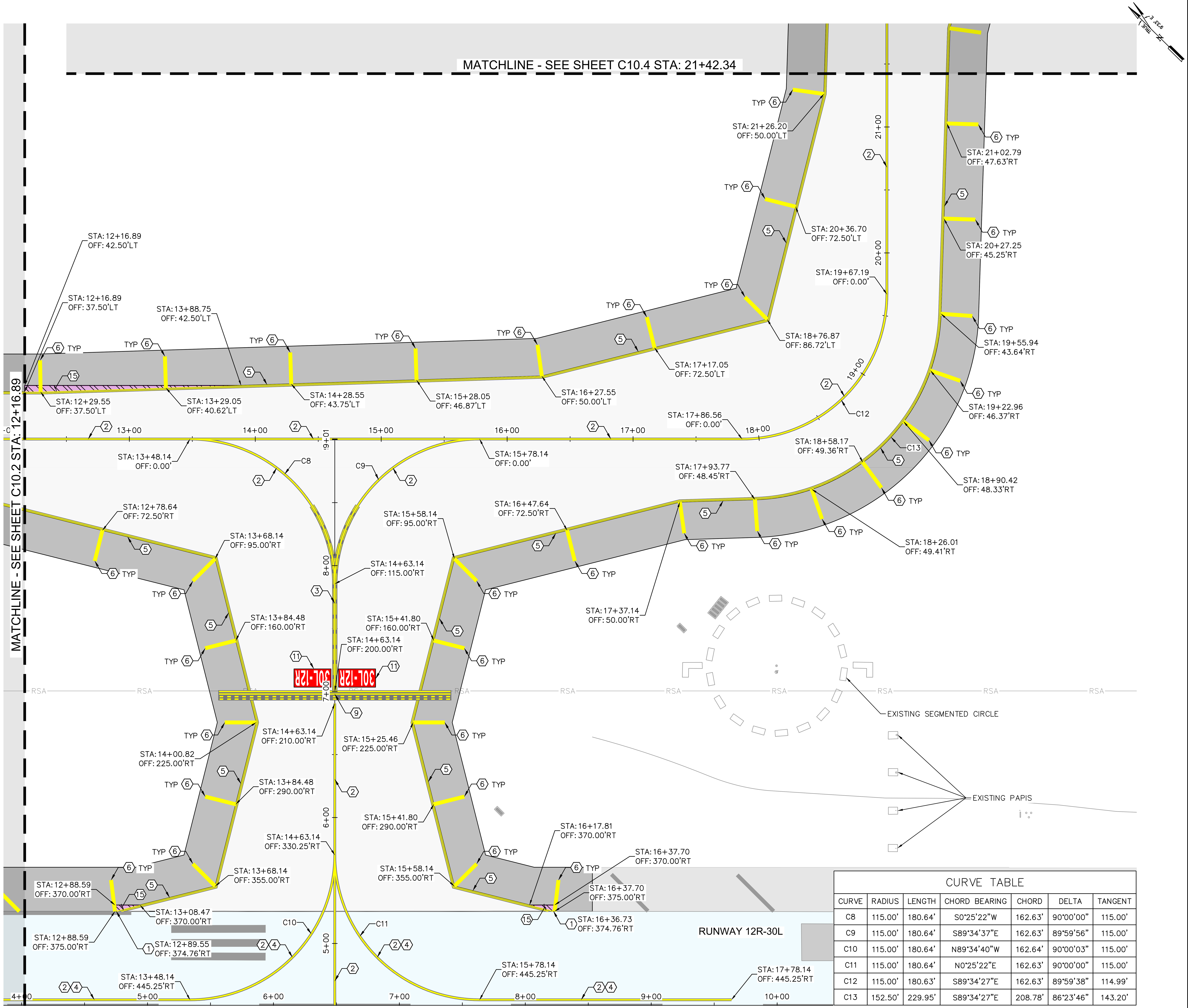
PAVEMENT MARKING PLAN
SHEET 2 OF 8

PROJECT NO. 091134073

FILE NO. 091134073 - PM

C10.2

SHEET 85 of 153



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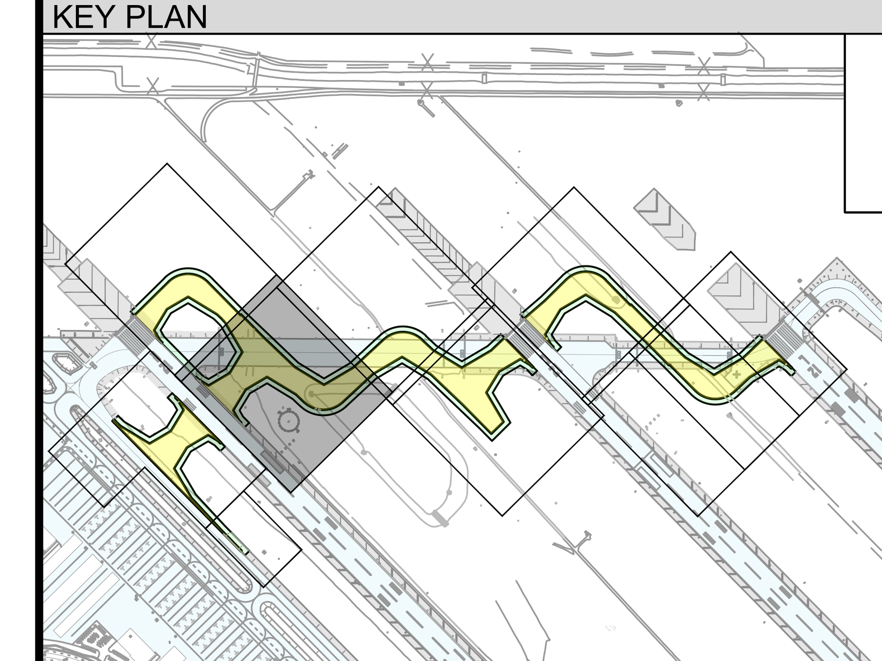
C8	115.00'	180.64'	S0°25'22"W	162.63'	90°00'00"	115.00'
C9	115.00'	180.64'	S89°34'37"E	162.63'	89°59'56"	115.00'
C10	115.00'	180.64'	N89°34'40"W	162.64'	90°00'03"	115.00'
C11	115.00'	180.64'	N0°25'22"E	162.63'	90°00'00"	115.00'
C12	115.00'	180.63'	S89°34'27"E	162.63'	89°59'38"	114.99'
C13	152.50'	229.95'	S89°34'27"E	208.78'	86°23'46"	143.20'

KEY PLAN



GRAPHIC SCALE

40 0 20 40 80

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Mesa, Arizona 85210 (480) 207-2666

FIRM'S SEAL

SCALE
Horiz. 1" = 40'
Vert.

Date 11/26/2025
Designed by JMM
Drawn by BPN
Checked by NCW
Approved by JMM

Mesa Gateway Airport

MESA GATEWAY AIRPORT AUTHORITY
5835 SOUTH SOSSAMAN ROAD
MESA, ARIZONA 85212
(480) 988-7600
GATEWAYAIRPORT.COM

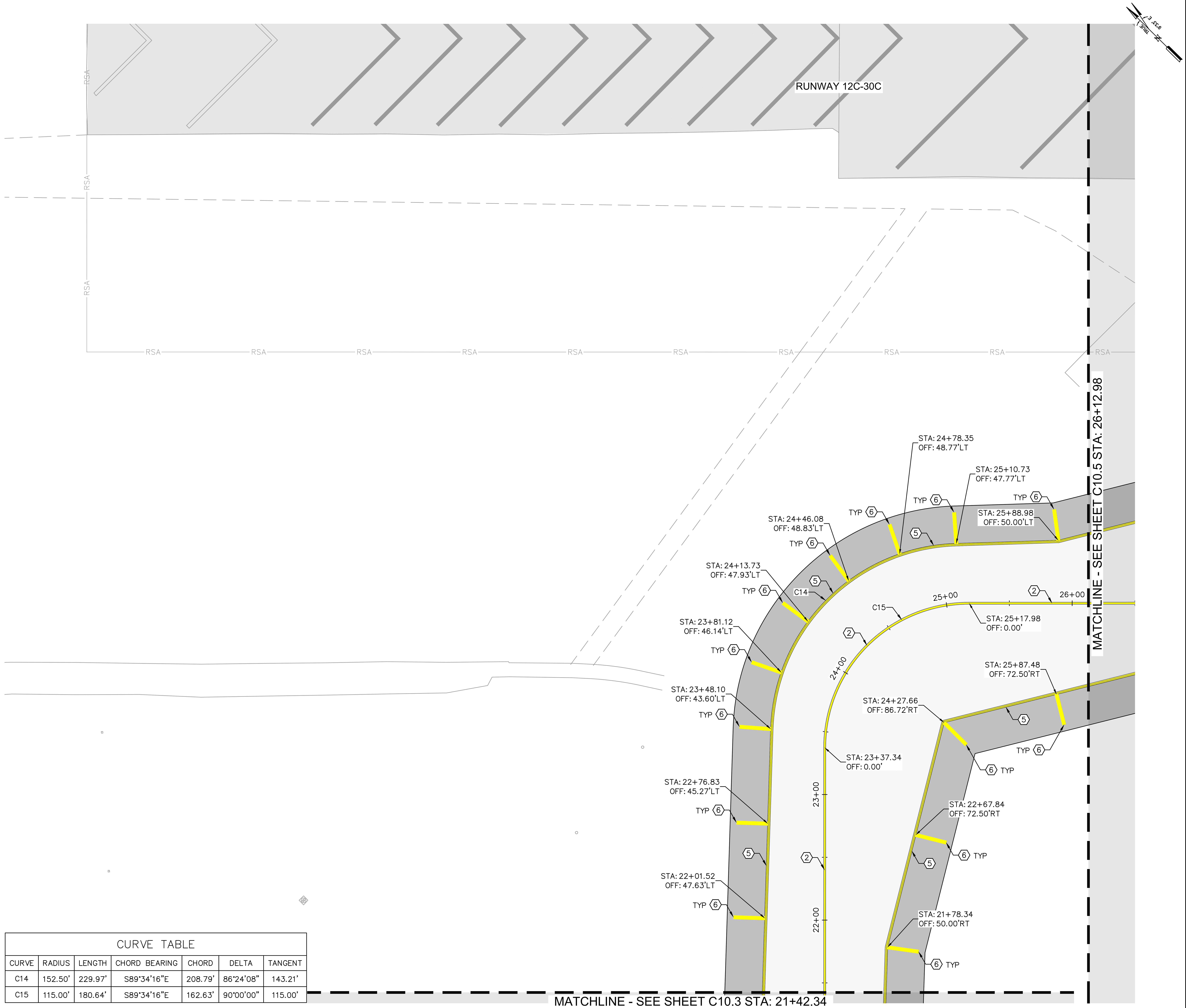
PROJECT NAME

MESA GATEWAY AIRPORT
TAXIWAY G REALIGNMENT

PAVEMENT MARKING PLAN
SHEET 3 OF 8

PROJECT NO. 091134073
FILE NO. 091134073 - PM

C10.3



CURVE TABLE						
CURVE	RADIUS	LENGTH	CHORD BEARING	CHORD	DELTA	TANGENT
C14	152.50'	229.97'	S89°34'16"E	208.79'	86°24'08"	143.21'
C15	115.00'	180.64'	S89°34'16"E	162.63'	90°00'00"	115.00'

MATCHLINE - SEE SHEET C10.3 STA: 21+42.34

LEGEND

BLACK PAINT TO BE INSTALLED ON EXISTING/PROPOSED PCC PAVEMENT THAT LIES OUTSIDE THE TAXIWAY EDGE MARKINGS (NPI)

GENERAL NOTES

1. REFER TO C1.5 FOR HORIZONTAL CONTROL.
2. PAVEMENT MARKING DETAILS SHALL CONFORM TO THE LATEST EDITION OF THE FEDERAL AVIATION ADMINISTRATION'S ADVISORY CIRCULAR AC-150/5340. IF A CONFLICT OCCURS BETWEEN THESE PLANS AND THE AC, THE AC SHALL TAKE PRECEDENCE.
3. BLACK PAINT TO BE INSTALLED ON EXISTING/PROPOSED PCC PAVEMENT THAT LIES OUTSIDE THE TAXIWAY EDGE MARKINGS (NPI)
4. ALL STATION/OFFSET LABELS REFER TO THE PROPOSED "TAXIWAY G" ALIGNMENT.

CONSTRUCTION NOTES:

1. MATCH EXISTING
2. INSTALL SIX INCH (6") YELLOW TAXIWAY CENTERLINE PAVEMENT MARKING, PER DETAIL 2, SHEET C10.9
3. INSTALL YELLOW ENHANCED TAXIWAY CENTERLINE MARKING, PER DETAIL 6, SHEET C10.9
4. INSTALL SIX INCH (6") YELLOW RUNWAY/TAXIWAY INTERSECTION MARKING, PER DETAIL 2, SHEET C10.10
5. INSTALL DOUBLE SIX INCH (6") YELLOW TAXIWAY EDGE PAVEMENT MARKING, PER DETAIL 1, SHEET C10.9
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9. INSTALL RUNWAY HOLDING POSITION PAVEMENT MARKING, PER DETAIL 6, SHEET C10.9
10. INSTALL SURFACE PAINTED HOLDING POSITION SIGN, PER DETAIL 5, SHEET C10.10
11. INSTALL SURFACE PAINTED HOLDING POSITION SIGN, PER REDETAIL 1, SHEET C10.11
12. INSTALL SURFACE PAINTED HOLDING POSITION SIGN, PER DETAIL 2, SHEET C10.11
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14. INSTALL SURFACE PAINTED HOLDING POSITION SIGN, PER DETAIL 4, SHEET C10.11
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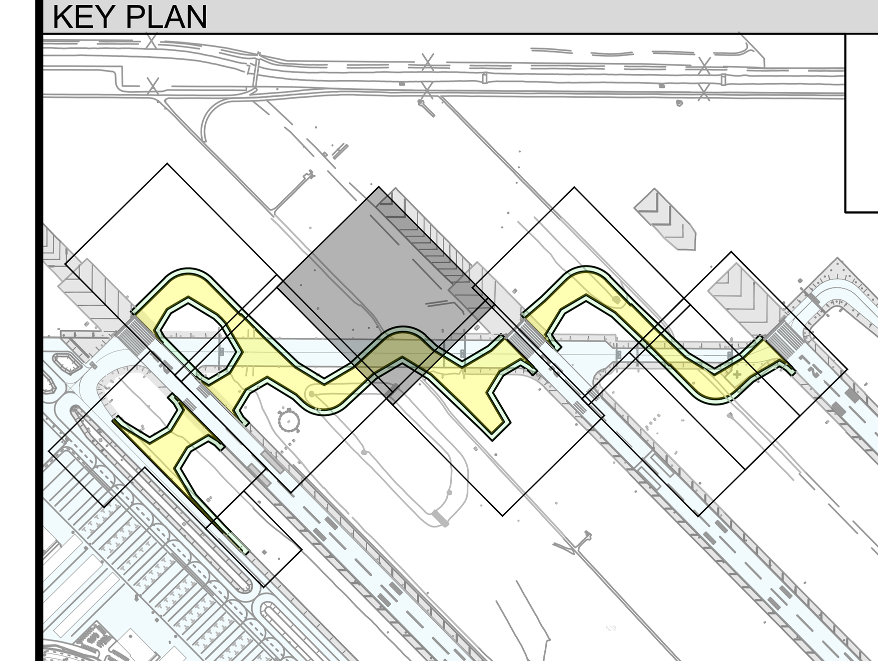
16. APPLY SOLID YELLOW CLOSED TAXIWAY PAVEMENT MARKING PER DETAIL 4, SHEET C10.9
17. INSTALL NINETY-SIX INCH (96") YELLOW ILS OBJECT FREE ZONE MARKING, PER DETAIL 1, SHEET C10.10

KEY PLAN



GRAPHIC SCALE

40 0 20 40 80

(IN FEET)

Call at least two full working days before you begin excavation.
ARIZONA 811
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NO.	REVISION	DATE	BY

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MESA GATEWAY AIRPORT
TAXIWAY G REALIGNMENT

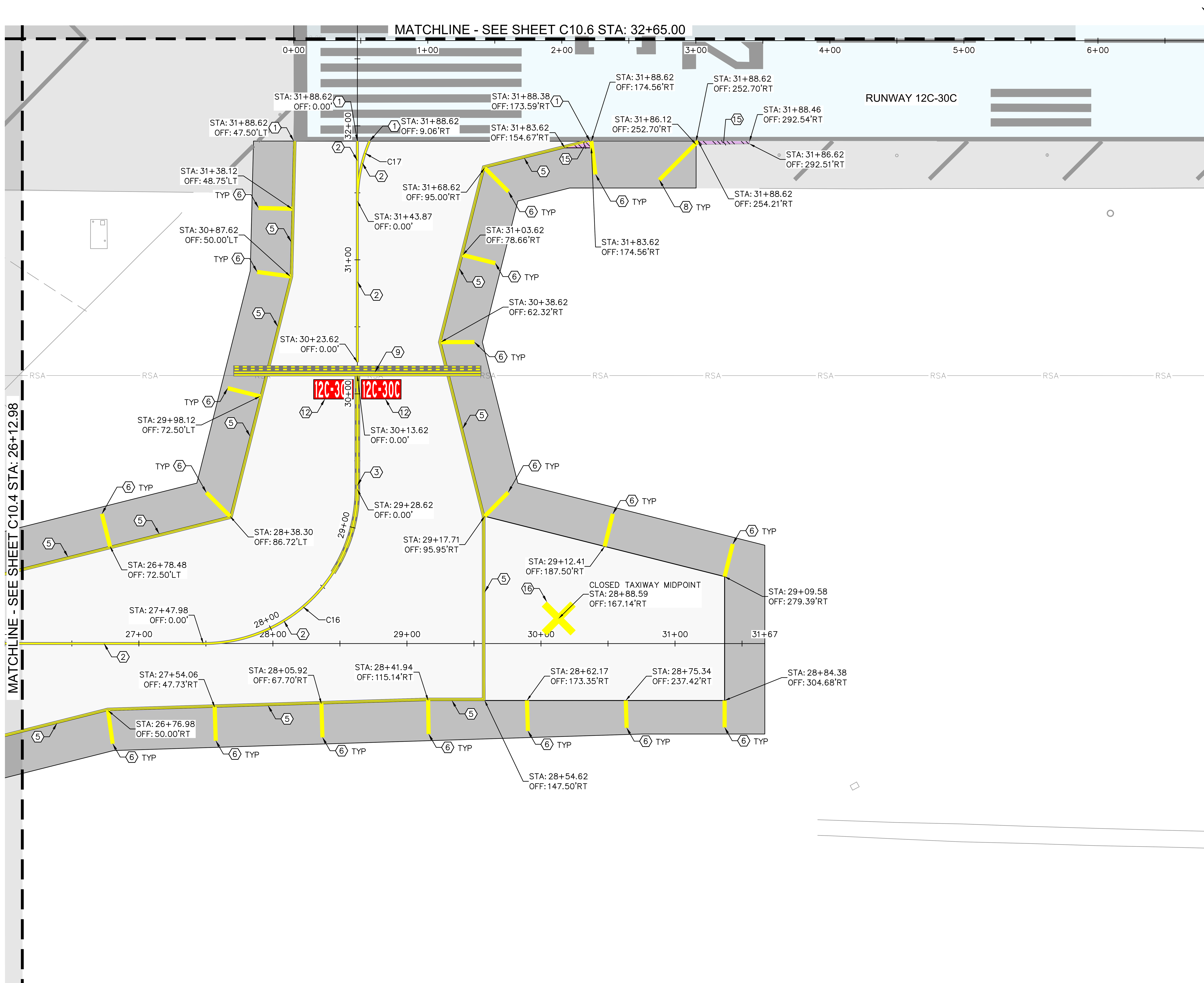
PAVEMENT MARKING PLAN
SHEET 4 OF 8

PROJECT NO. 091134073

FILE NO. 091134073 - PM

C10.4

SHEET 87 of 153



CURVE TABLE						
CURVE	RADIUS	LENGTH	CHORD BEARING	CHORD	DELTA	TANGENT
C16	115.00'	180.64'	S89°34'16"E	162.63'	90°00'00"	115.00'
C17	115.00'	45.96'	S56°52'45"W	45.66'	22°54'01"	23.29'

LEGEND

BLACK PAINT TO BE INSTALLED ON EXISTING/PROPOSED PCC PAVEMENT THAT LIES OUTSIDE THE TAXIWAY EDGE MARKINGS (NPI)

GENERAL NOTES

1. REFER TO C1.5 FOR HORIZONTAL CONTROL.
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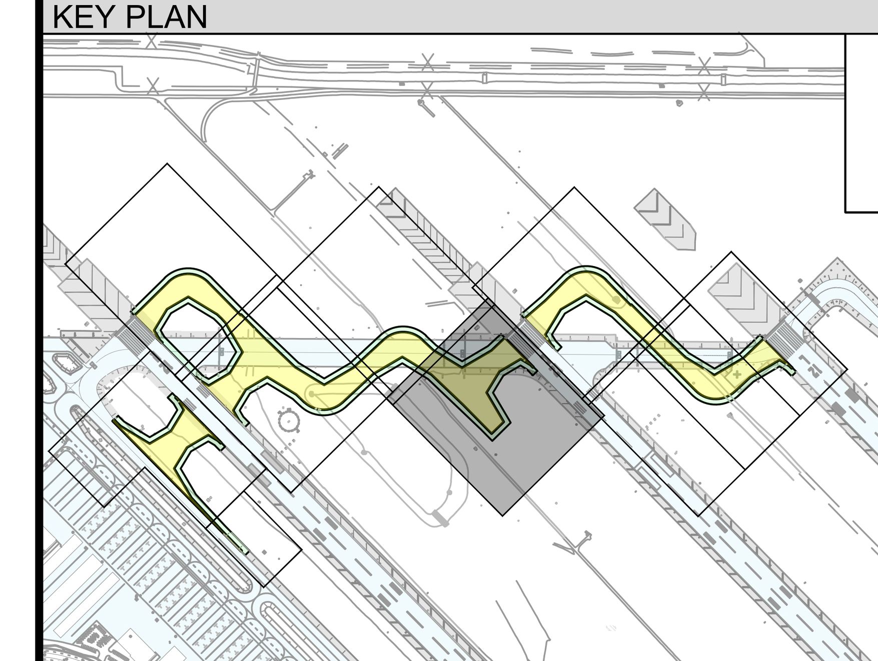
KEY PLAN



GRAPHIC SCALE

40 0 20 40 80

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PROJECT NAME

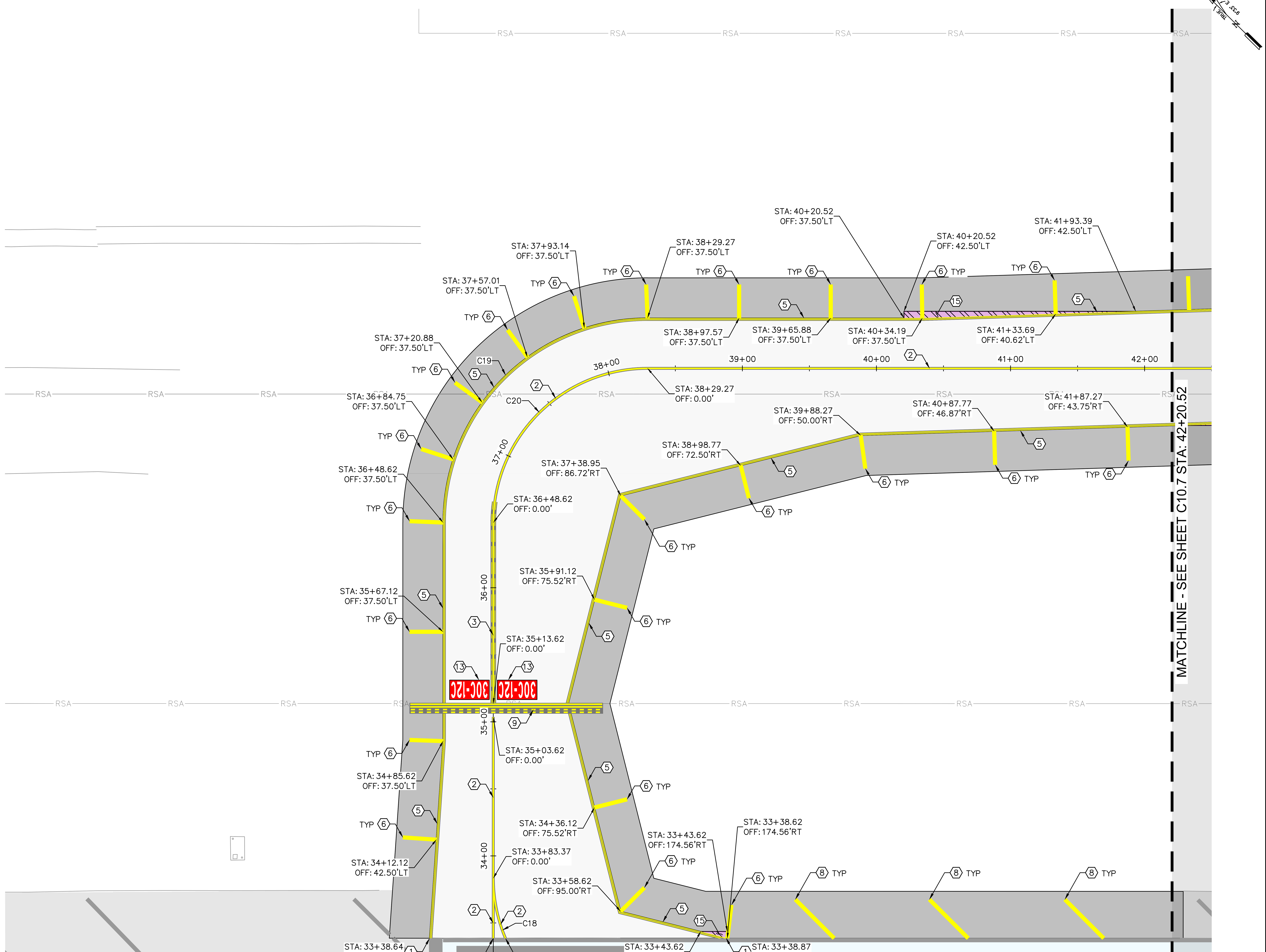
MESA GATEWAY AIRPORT
TAXIWAY G REALIGNMENT

PAVEMENT MARKING PLAN
SHEET 5 OF 8

PROJECT NO. 091134073

FILE NO. 091134073 - PM

C10.5



CURVE TABLE						
CURVE	RADIUS	LENGTH	CHORD BEARING	CHORD	DELTA	TANGENT
C18	115.00'	45.96'	N33°58'43"E	45.66'	22°54'01"	23.29'
C19	152.50'	239.55'	S89°34'16"E	215.67'	90°00'00"	152.50'
C20	115.00'	180.64'	S89°34'16"E	162.63'	90°00'00"	115.00'

LEGEND

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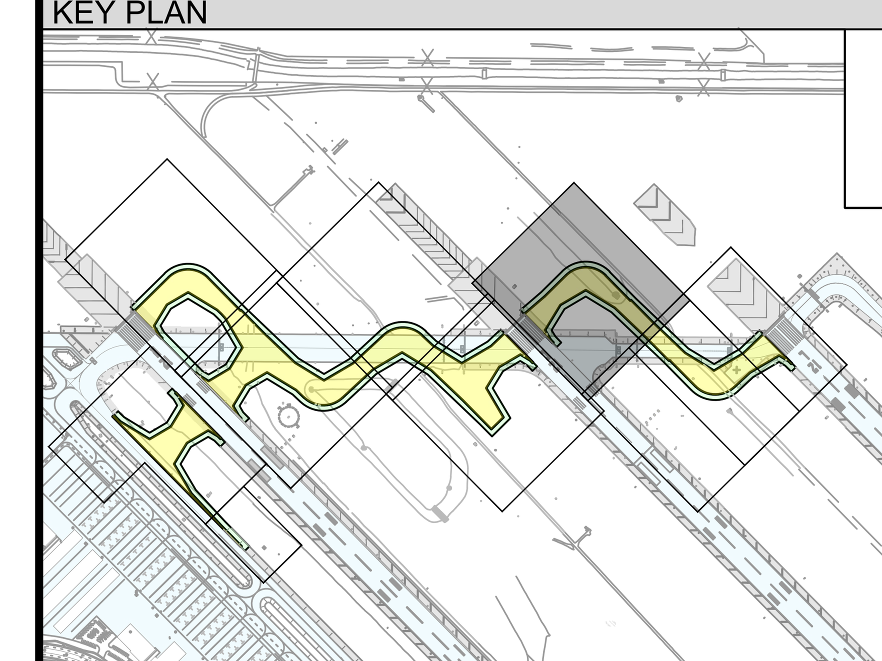
KEY PLAN



GRAPHIC SCALE

40 0 20 40 80

(IN FEET)

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PROJECT NAME

MESA GATEWAY AIRPORT
TAXIWAY G REALIGNMENT

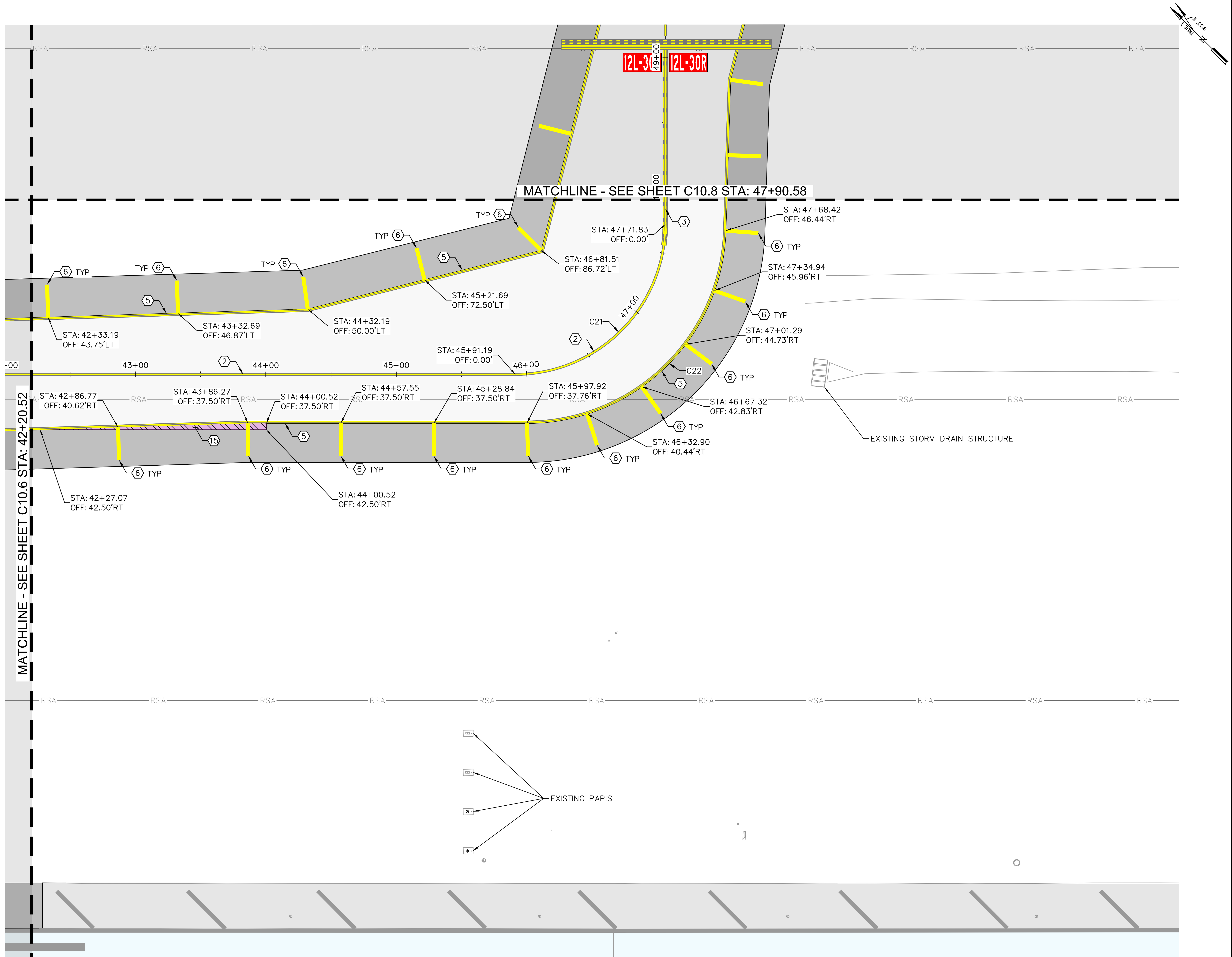
PAVEMENT MARKING PLAN

SHEET 6 OF 8

PROJECT NO. 091134073

FILE NO. 091134073 - PM

C10.6



CURVE TABLE

CURVE	RADIUS	LENGTH	CHORD BEARING	CHORD	DELTA	TANGENT
C21	115.00'	180.64'	S89°34'16"E	162.63'	90°00'00"	115.00'
C22	152.50'	234.76'	S88°40'18"E	212.26'	88°12'04"	147.79'

LEGEND

BLACK PAINT TO BE INSTALLED ON EXISTING/PROPOSED PCC PAVEMENT THAT LIES OUTSIDE THE TAXIWAY EDGE MARKINGS (NPI)

GENERAL NOTES

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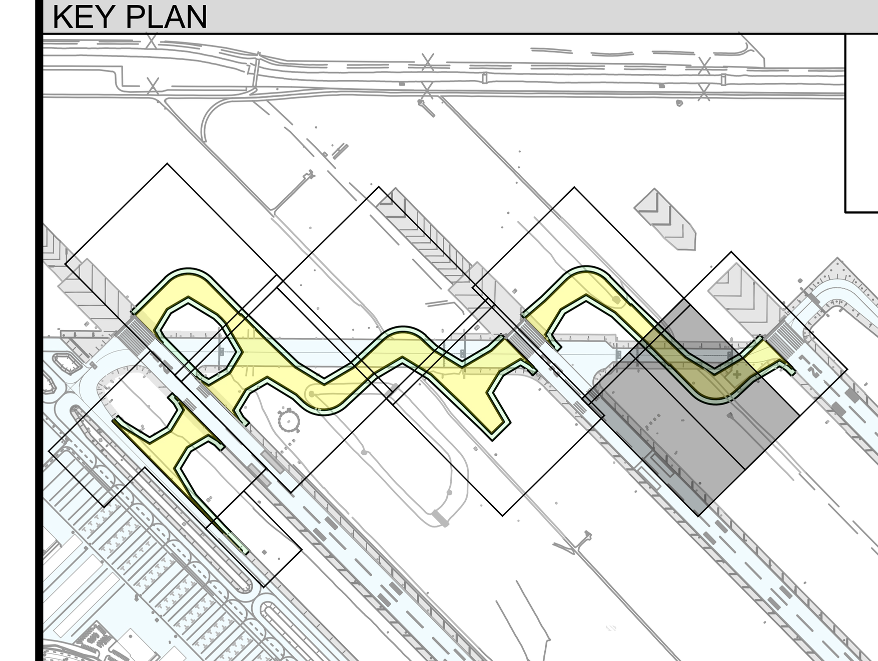
KEY PLAN



GRAPHIC SCALE
40 0 20 40 80
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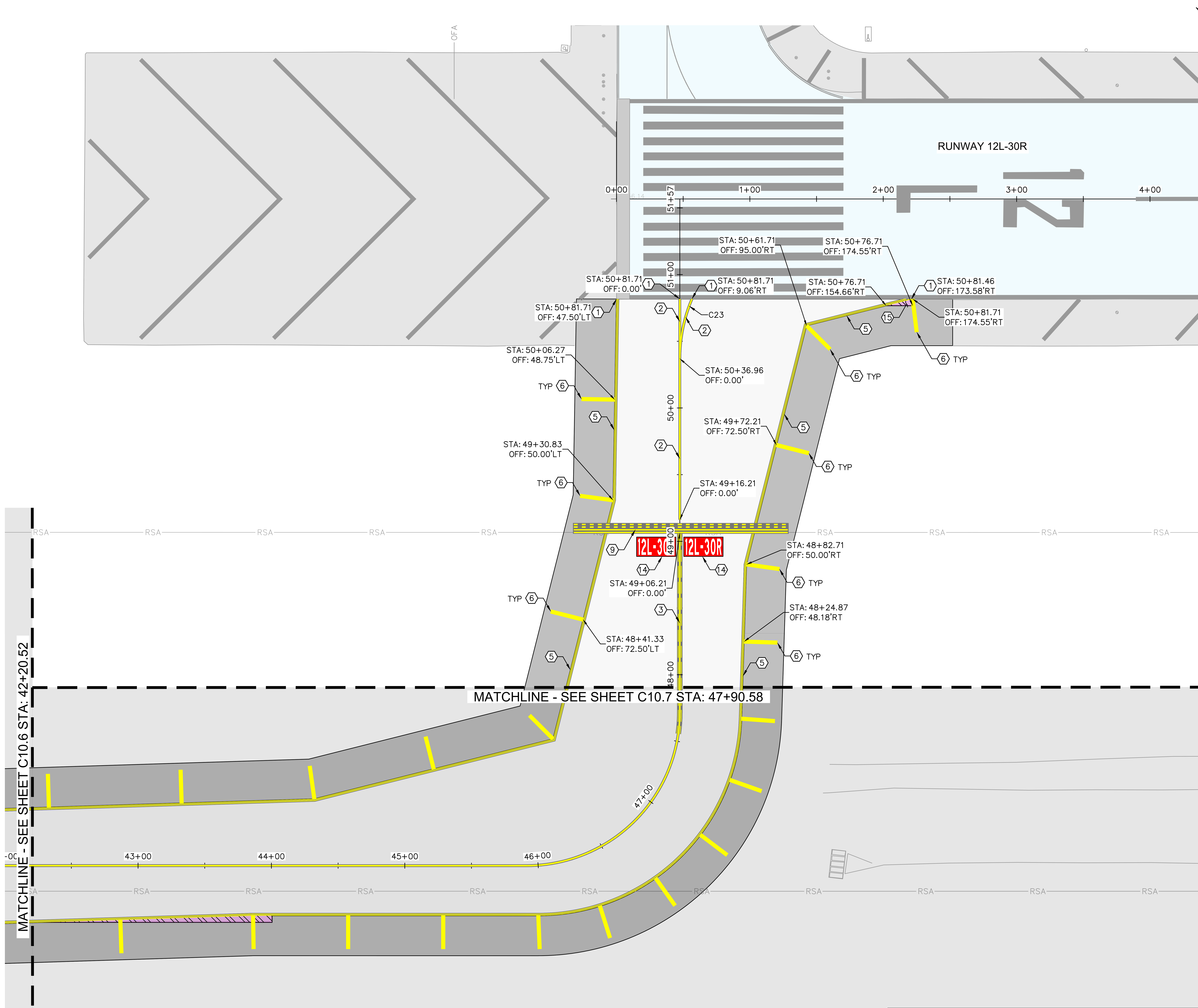
TAXIWAY G REALIGNMENT
PAVEMENT MARKING PLAN
SHEET 7 OF 8

PROJECT NO. 091134073
FILE NO. 091134073 - PM
C10.7



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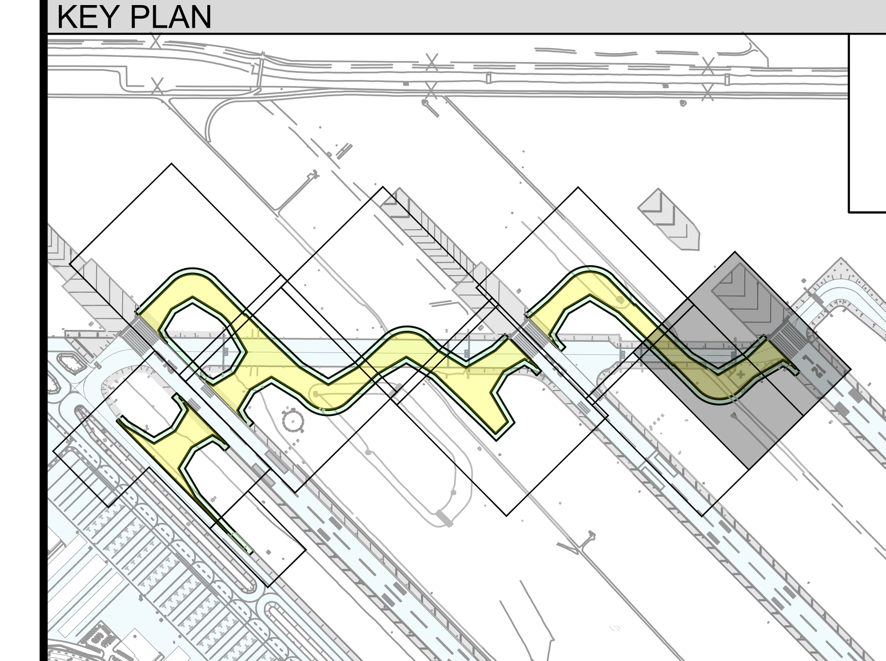

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SCALE
Horiz. 1" = 40'
Vert.

Date 11/26/2025
Designed by JMM
Drawn by BPN
Checked by NCW
Approved by JMM

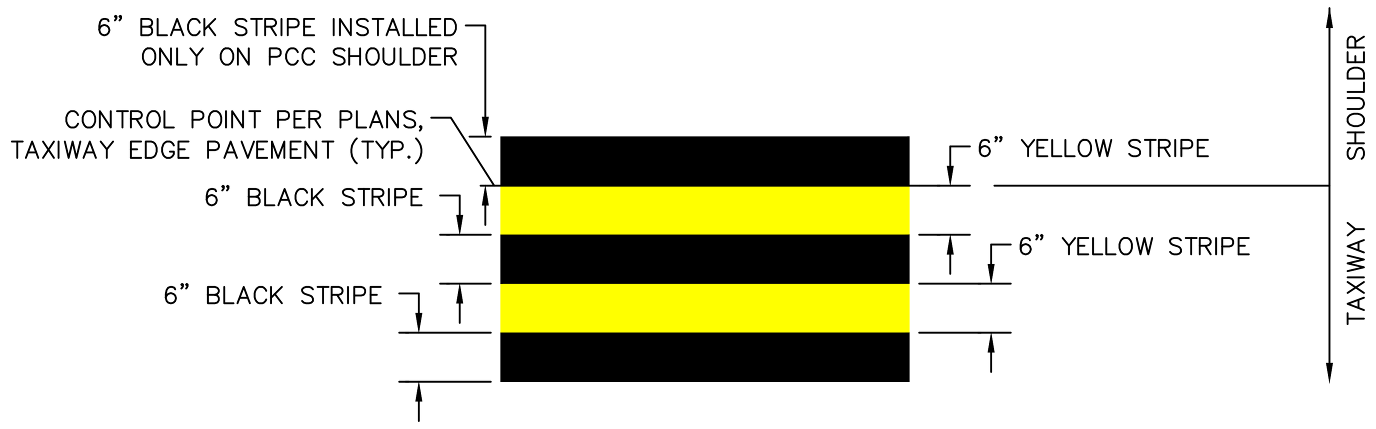
Mesa Gateway Airport
MESA GATEWAY AIRPORT AUTHORITY
5835 SOUTH SOSSAMAN ROAD
MESA, ARIZONA 85212
(480) 988-7600
GATEWAYAIRPORT.COM

PROJECT NAME
MESA GATEWAY AIRPORT
TAXIWAY G REALIGNMENT

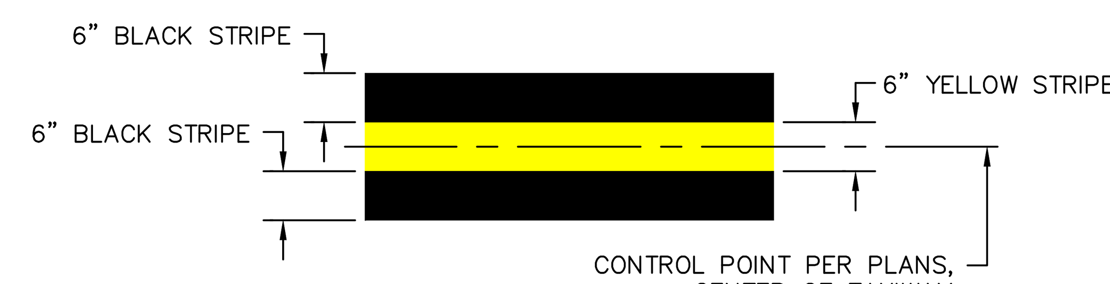
PAVEMENT MARKING PLAN
SHEET 8 OF 8

PROJECT NO. 091134073
FILE NO. 091134073 - PM

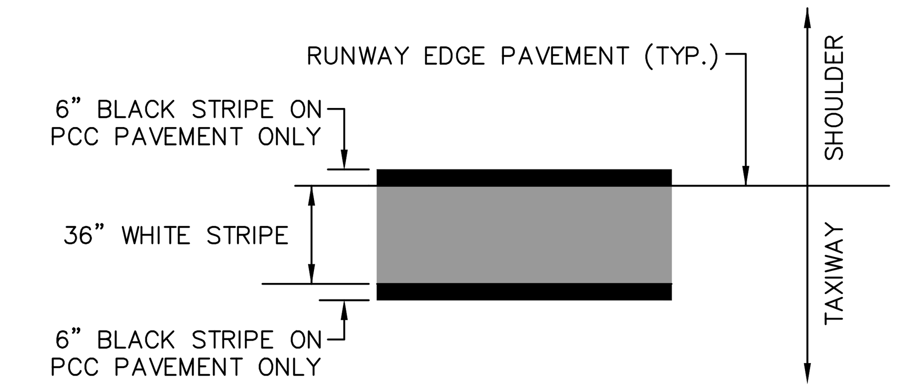
C10.8



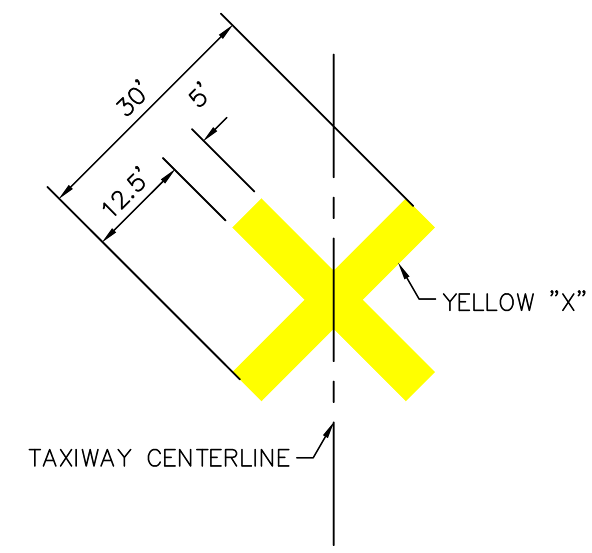
1 C10.9 TAXIWAY EDGE PAVEMENT MARKING
N.T.S.



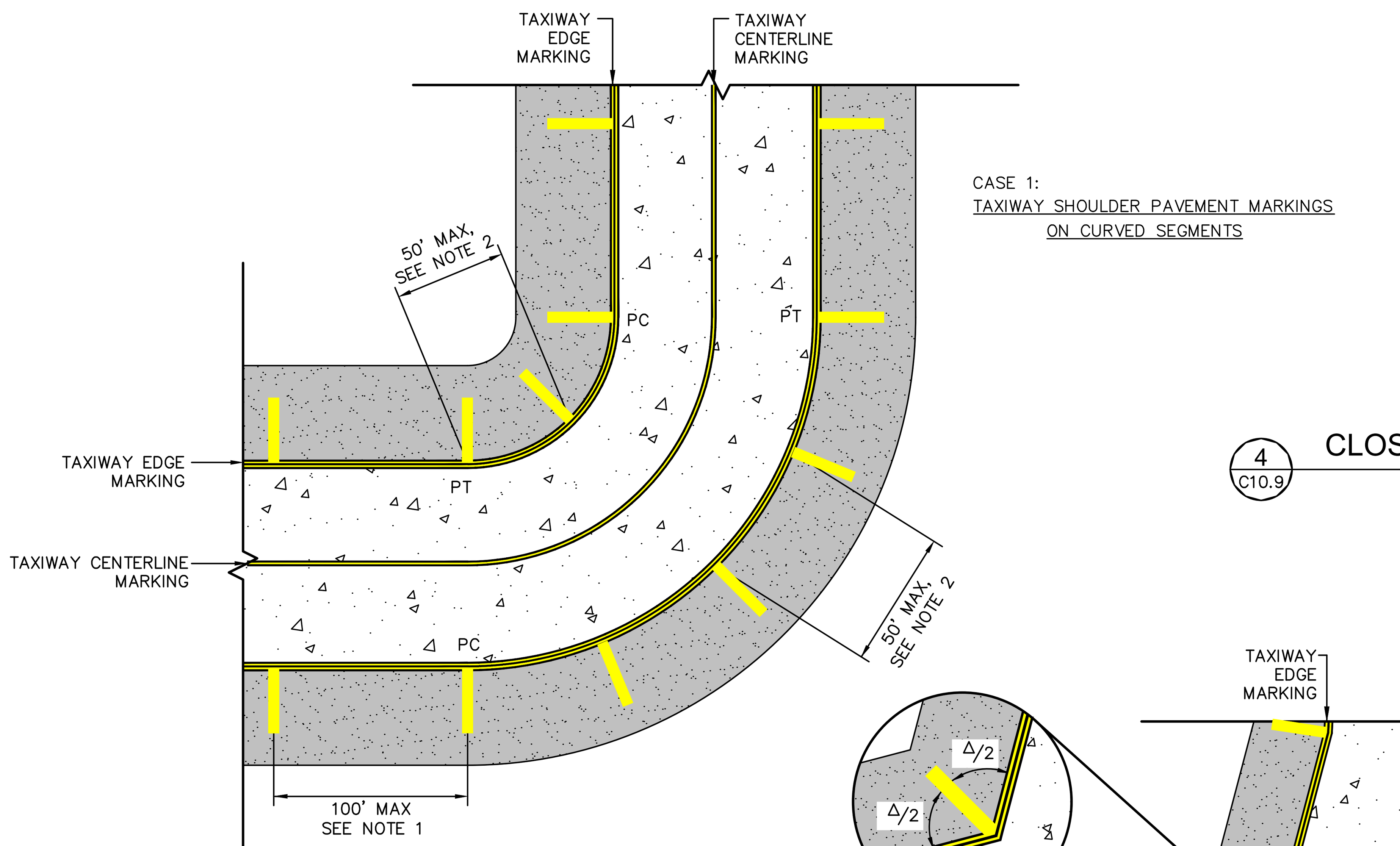
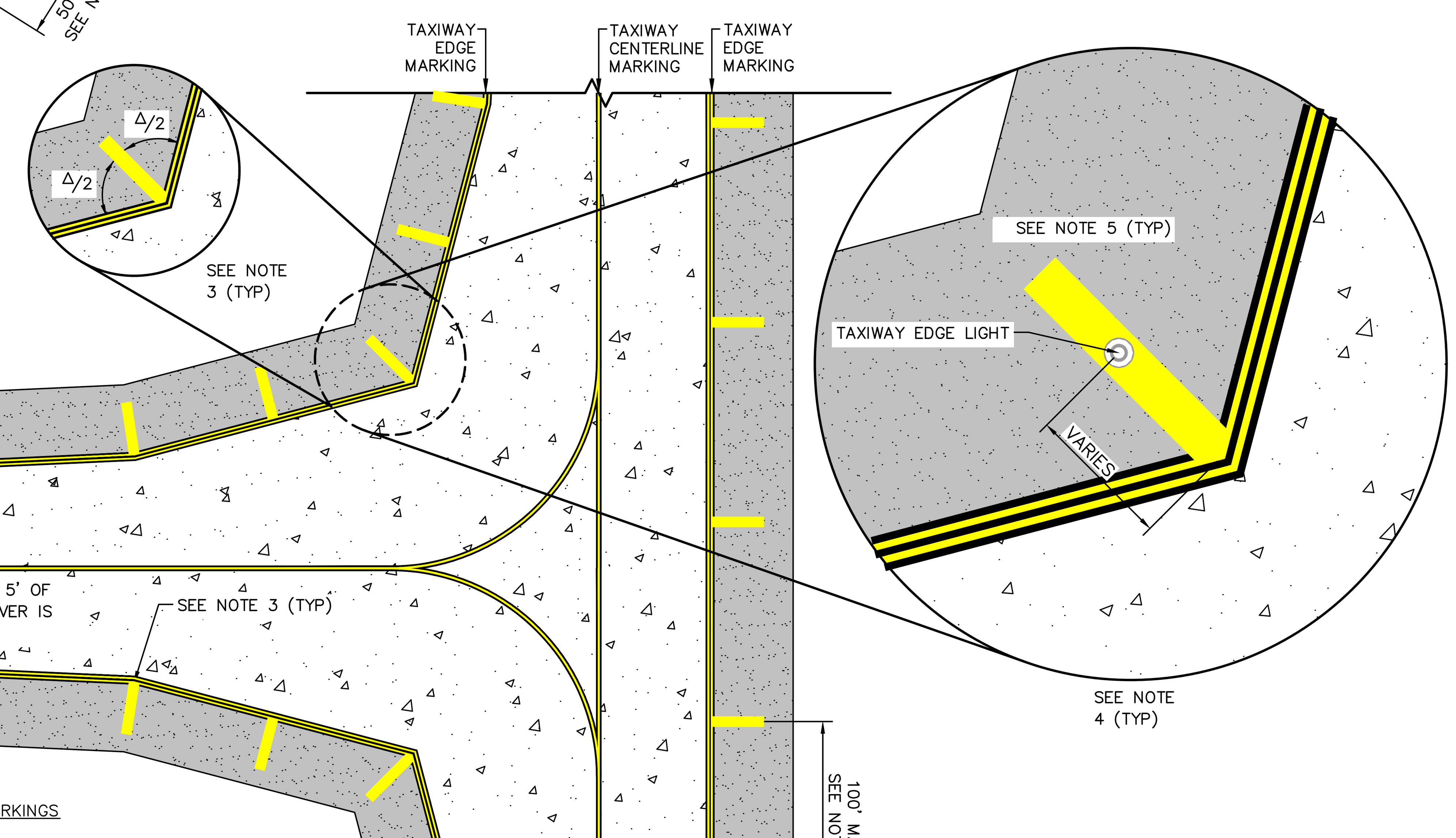
2 C10.9 TAXIWAY CENTERLINE PAVEMENT MARKING
N.T.S.



3 C10.9 RUNWAY EDGE MARKING
N.T.S.



4 C10.9 CLOSED TAXIWAY PAVEMENT MARKING DETAIL
N.T.S.

NOTES:

1. SHOULDER MARKINGS TO BE PLACED PERPENDICULAR TO THE TAXIWAY EDGE MARKING. MARKINGS TO BE PLACED AT THE BEGINNING AND END OF STRAIGHT SECTIONS AND SHALL BE SPACED EQUALLY THROUGHOUT THE STRAIGHT SEGMENT, NOT TO EXCEED 100' MAXIMUM SEPARATION.

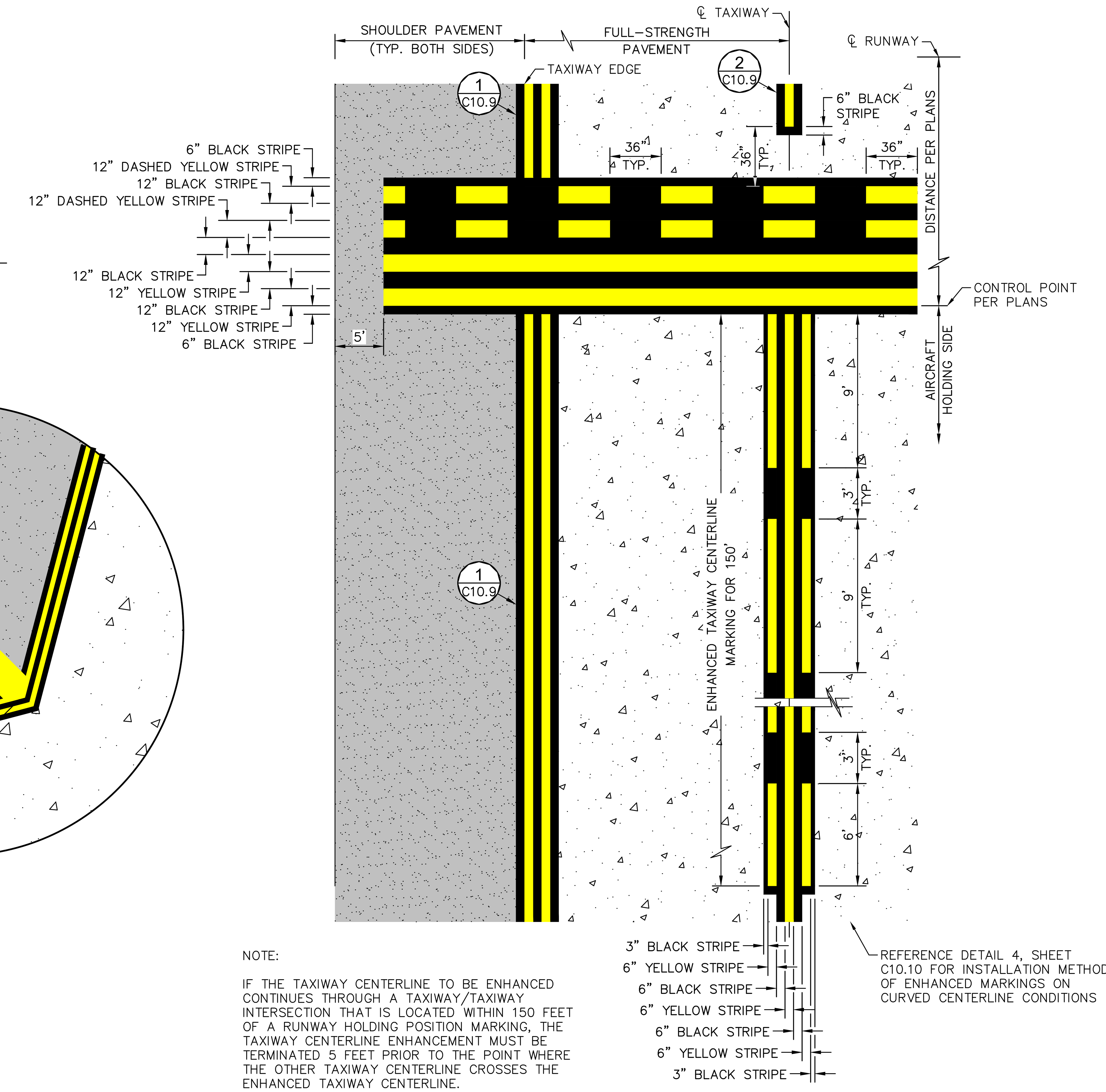
2. SHOULDER MARKINGS TO BE PLACED AT PC AND PT OF CURVE. INTERMEDIATE MARKINGS ALONG CURVE SECTION SHALL BE EQUALLY SPACED THROUGHOUT THE CURVE, NOT TO EXCEED 50' MAXIMUM SEPARATION.

3. SHOULDER MARKINGS AT ANGLE POINTS SHOULD BE INSTALLED SO THAT THE ADJACENT ANGLE ON EITHER SIDE OF THE SHOULDER MARKING ARE EQUAL (Δ/2), WHERE Δ EQUALS THE OVERALL INTERNAL ANGLE BETWEEN STRAIGHT SEGMENTS.

4. IN THE EVENT THAT A PROPOSED SHOULDER MARKING IS IN THE SAME LOCATION AS AN EDGE LIGHT, THE EDGE LIGHT IS TO BE REMOVED AND THE LIGHT CAN COVERED PRIOR TO PAINTING. THE SHOULDER MARKING SHALL CONTINUE THROUGH THE EDGE LIGHT AS SHOWN IN THE DETAIL ABOVE AND THE EDGE LIGHT IS TO BE REPLACED AFTER THE FINAL COAT OF PAINT IS APPLIED.

5. SHOULDER MARKINGS SHOULD BEGIN AT (AND TOUCH) THE OUTER EDGE OF THE OUTSIDE YELLOW TAXIWAY EDGE MARKING. SHOULDER MARKINGS SHALL BE INSTALLED OVER BLACK PAINT IF PRESENT.

5 C10.9 TAXIWAY SHOULDER PAVEMENT MARKING LAYOUT
N.T.S.



NOTE:

IF THE TAXIWAY CENTERLINE IS TO BE ENHANCED CONTINUES THROUGH A TAXIWAY/TAXIWAY INTERSECTION THAT IS LOCATED WITHIN 150 FEET OF A RUNWAY HOLDING POSITION MARKING, THE TAXIWAY CENTERLINE ENHANCEMENT MUST BE TERMINATED 5 FEET PRIOR TO THE POINT WHERE THE OTHER TAXIWAY CENTERLINE CROSSES THE ENHANCED TAXIWAY CENTERLINE.

6 C10.9 ENHANCED RUNWAY HOLDING POSITION PAVEMENT MARKING DETAIL

Call at least two full working days before you begin excavation. ARIZONA 811 Arizona Blue Stake, Inc. Dial 8-1-1 or 1-800-STAKE-IT (782-5348) In Maricopa County: (602) 263-1100

PLANS TO BE PRINTED IN COLOR

PRINTING OR COPYING PLANS IN BLACK & WHITE (GRAYSCALE) MAY CAUSE DESIGN NOTES, DIMENSIONS, CALLOUTS, LINE WORK, ETC. TO BECOME UNREADABLE. OFFICIAL PLAN SETS TO BE USED FOR CONSTRUCTION AND RECORD KEEPING ARE TO BE PRINTED IN COLOR.

NO.	REVISION	DATE	BY

FIRM'S NAME: Kimley»Horn
KIMLEY-HORN AND ASSOCIATES, INC.
2446 Riverview Auto Dr, SUITE 400
Mesa, Arizona 85210 (480) 207-2666

FIRM'S SEAL

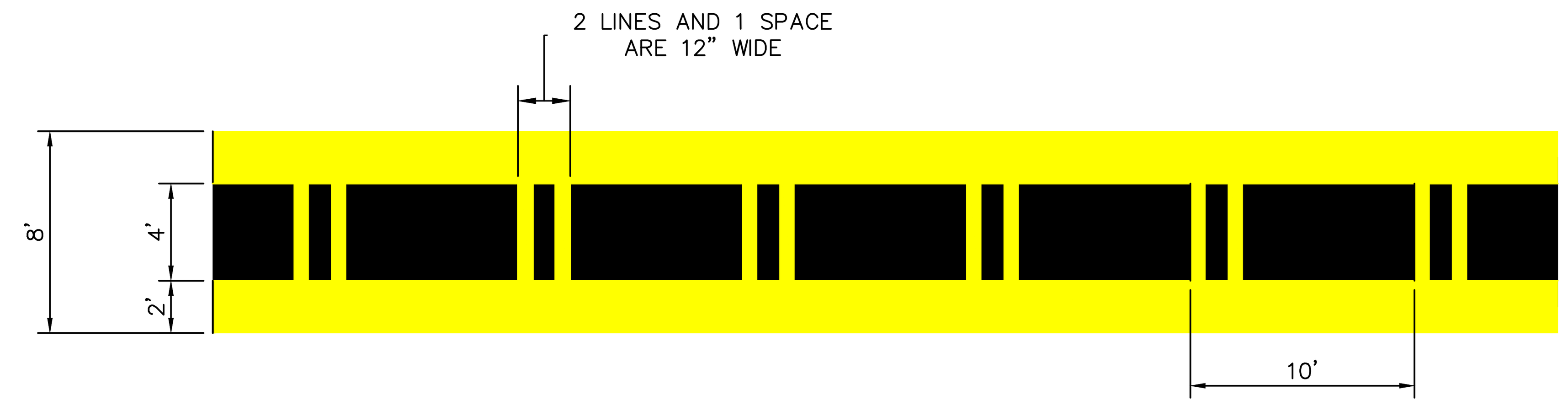
SCALE
Horiz.
Vert.
Date 11/26/2025
Designed by JMM
Drawn by BPN
Checked by NCW
Approved by JMM

Mesa Gateway Airport
MESA GATEWAY AIRPORT AUTHORITY
5835 SOUTH SOSSAMAN ROAD
MESA, ARIZONA 85212
(480) 988-7600
GATEWAYAIRPORT.COM

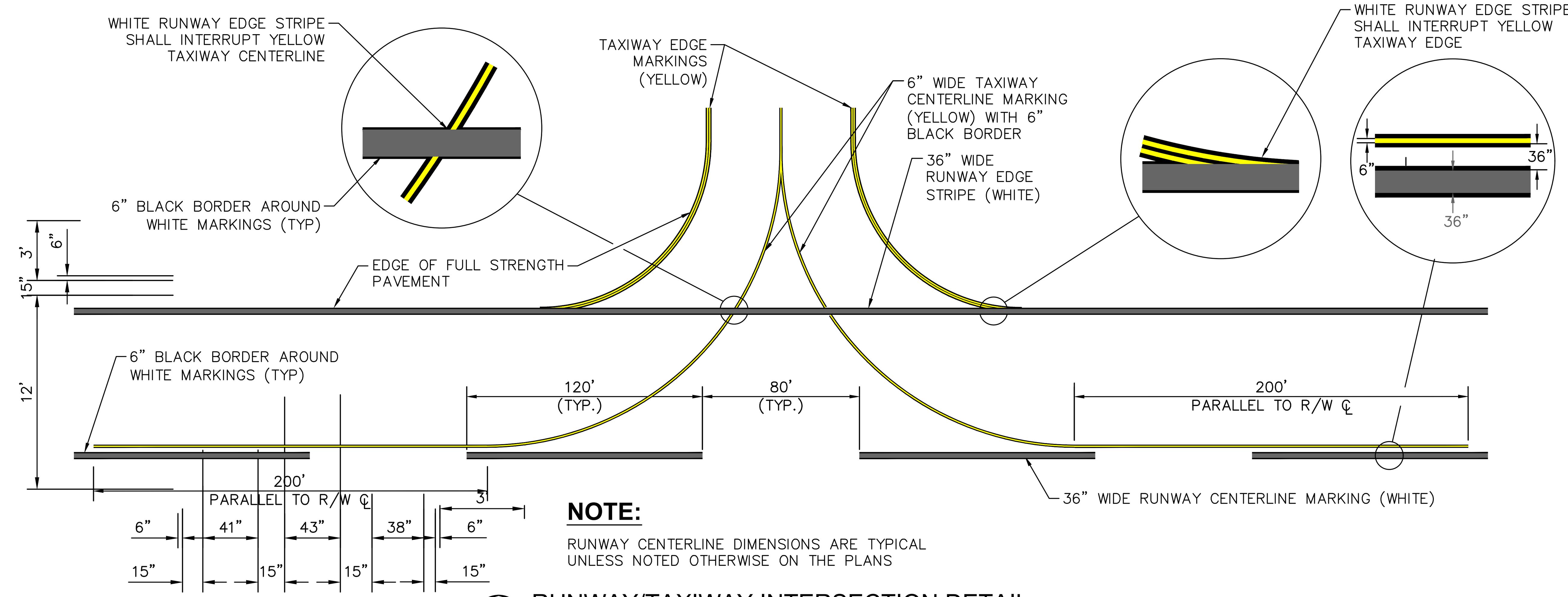
PROJECT NAME
MESA GATEWAY AIRPORT
TAXIWAY G REALIGNMENT

PAVEMENT MARKING DETAILS
SHEET 1 OF 3

PROJECT NO. 091134073
FILE NO. 091134073 - PZ
C10.9
SHEET 92 of 153



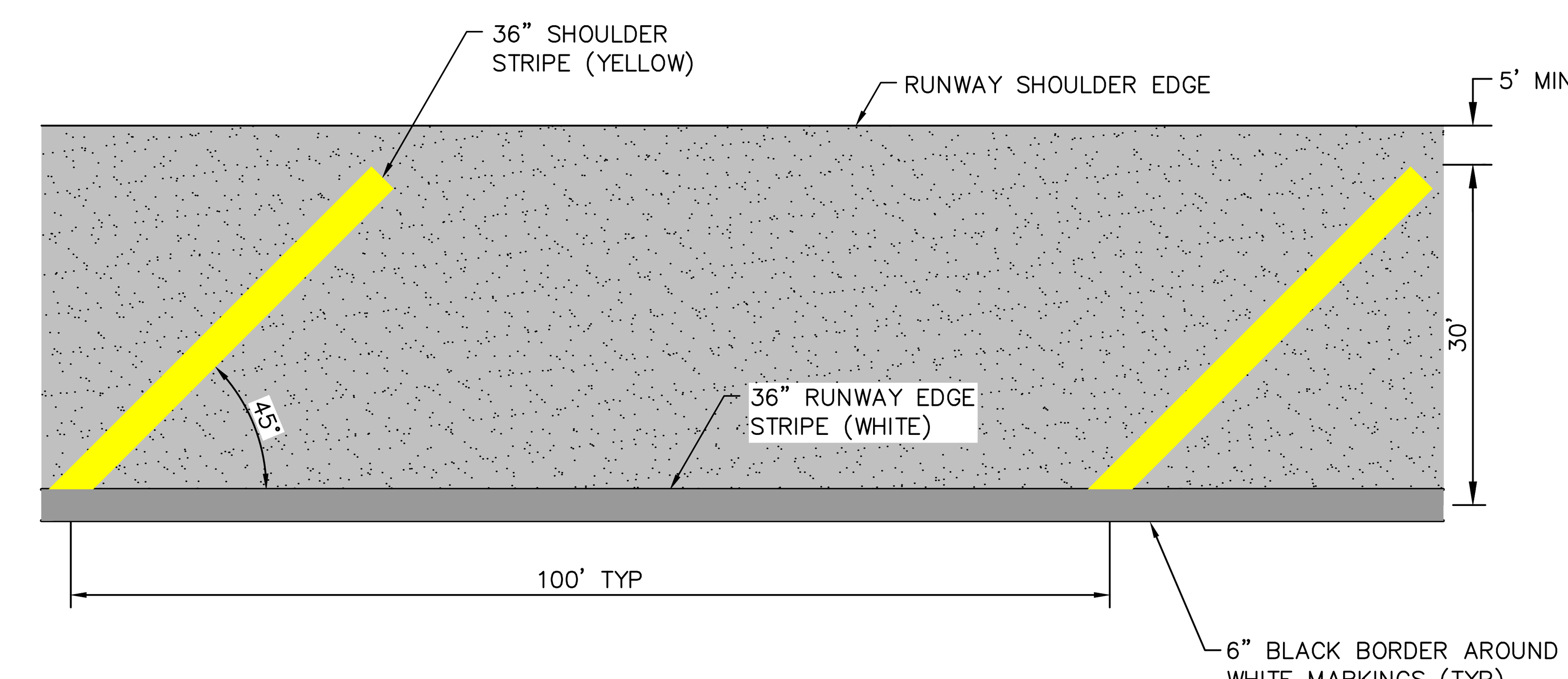
1 C10.10 ILS OBJECT FREE ZONE MARKING
N.T.S.



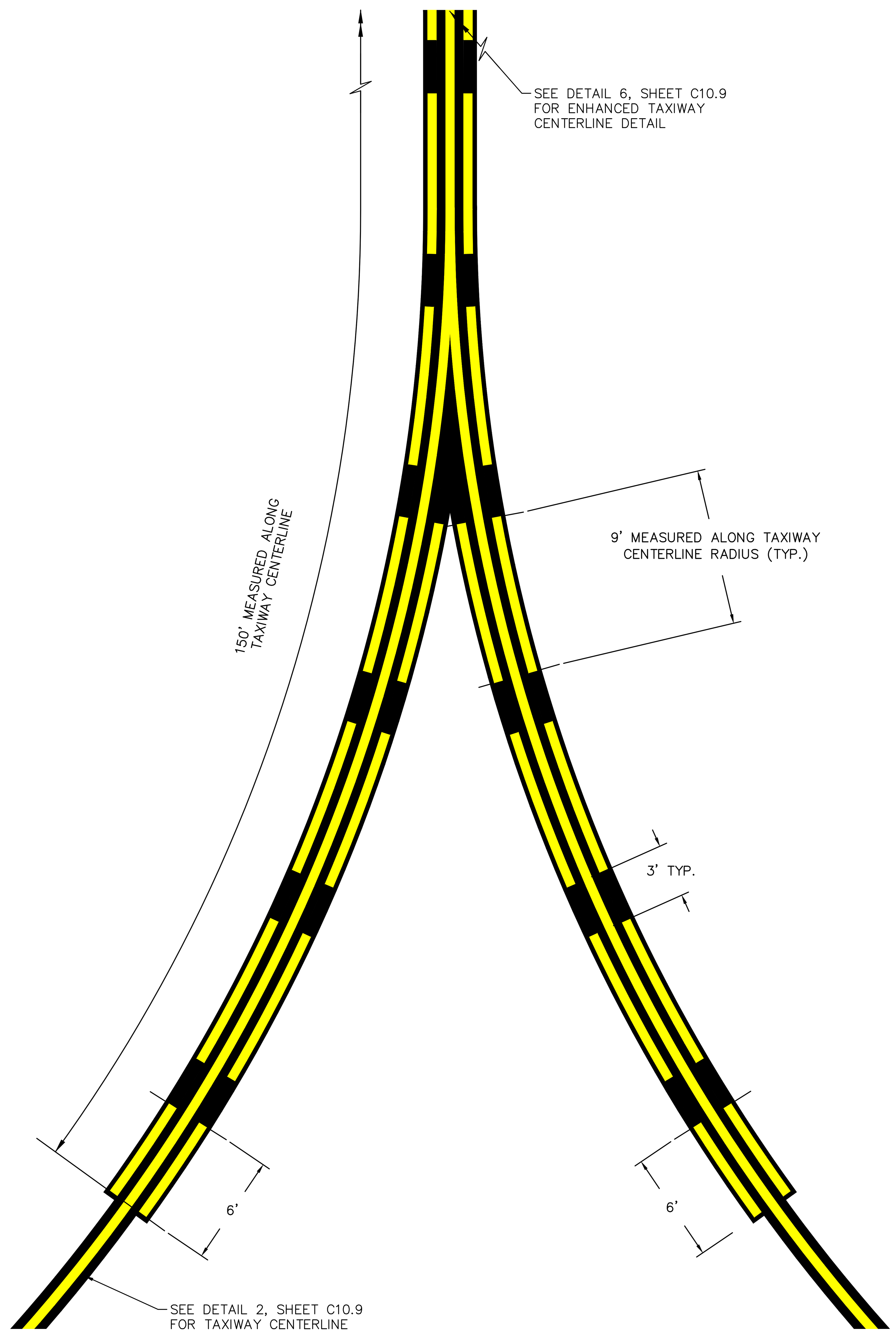
NOTE:

RUNWAY CENTERLINE DIMENSIONS ARE TYPICAL UNLESS NOTED OTHERWISE ON THE PLANS

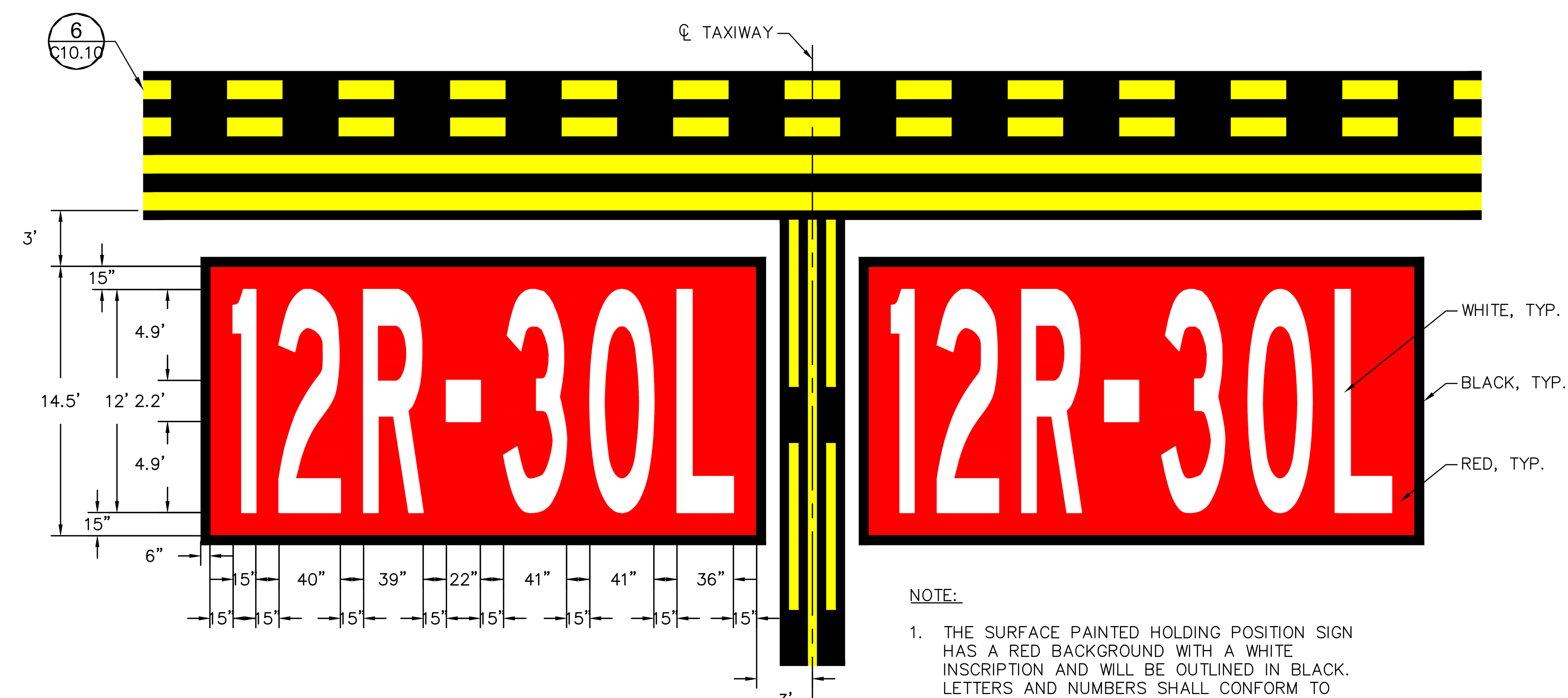
2 C10.10 RUNWAY/TAXIWAY INTERSECTION DETAIL
N.T.S.



3 C10.10 RUNWAY SHOULDER PAVEMENT MARKING
N.T.S.



4 C10.10 ENHANCED TAXIWAY CENTERLINE ON RADIUS DETAIL
N.T.S.



NOTE:

1. THE SURFACE PAINTED HOLDING POSITION SIGN HAS A RED BACKGROUND WITH A WHITE INSCRIPTION AND WILL BE OUTLINED IN BLACK. LETTERS AND NUMBERS SHALL CONFORM TO THE LATEST EDITION OF THE FEDERAL AVIATION ADMINISTRATION'S ADVISORY CIRCULAR 150/5340.

5 C10.10 SURFACE PAINTED HOLDING POSITION SIGN DETAIL (12R-30L)
N.T.S.

Call at least two full working days before you begin excavation.
ARIZONA811
Arizona Blue Stake, Inc.
Dial 8-1-1 or 1-800-STAKE-IT (782-5348)
In Maricopa County: (602) 263-1100

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KIMLEY-HORN AND ASSOCIATES, INC.
2046 Riverview Auto Dr., SUITE 400
Mesa, Arizona 85210 (480) 207-2666

FIRM'S SEAL

SCALE
Horiz.
Vert.

Date 11/26/2025
Designed by JMM
Drawn by BPN
Checked by NCW
Approved by JMM

Mesa Gateway Airport
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5835 SOUTH SOSSAMMAN ROAD
MESA, ARIZONA 85212
(480) 988-7600
GATEWAYAIRPORT.COM

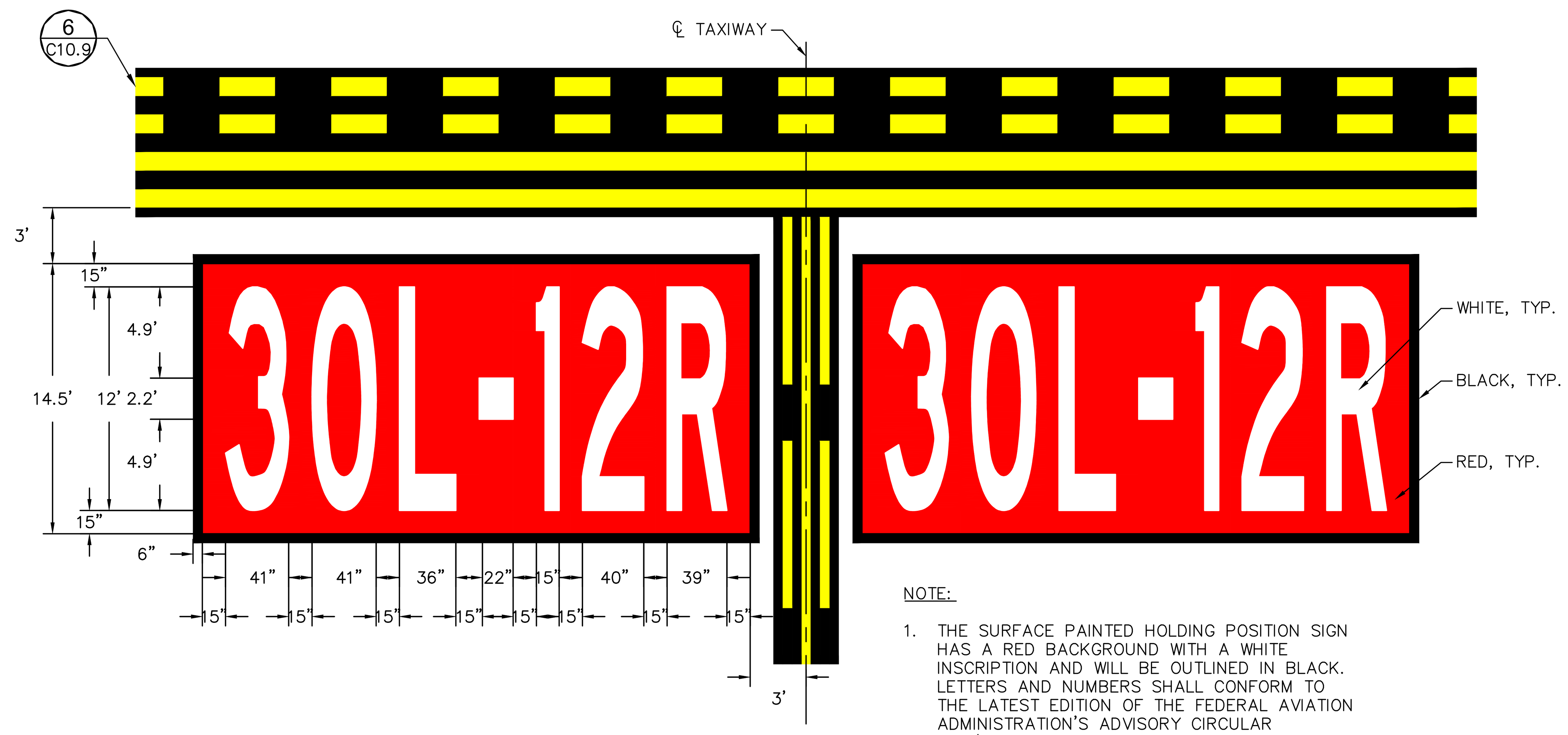
PROJECT NAME
MESA GATEWAY AIRPORT
TAXIWAY G REALIGNMENT

PAVEMENT MARKING DETAILS
SHEET 2 OF 3

PROJECT NO. 091134073
FILE NO. 091134073 - PZ

C10.10

K:\EAV_Aviation\091134073 - Taxiway G Realignment\CADD\091134073 - PZ.dwg Nov 26, 2025 Jason.Zhang
XREFS: x091134073 - TB



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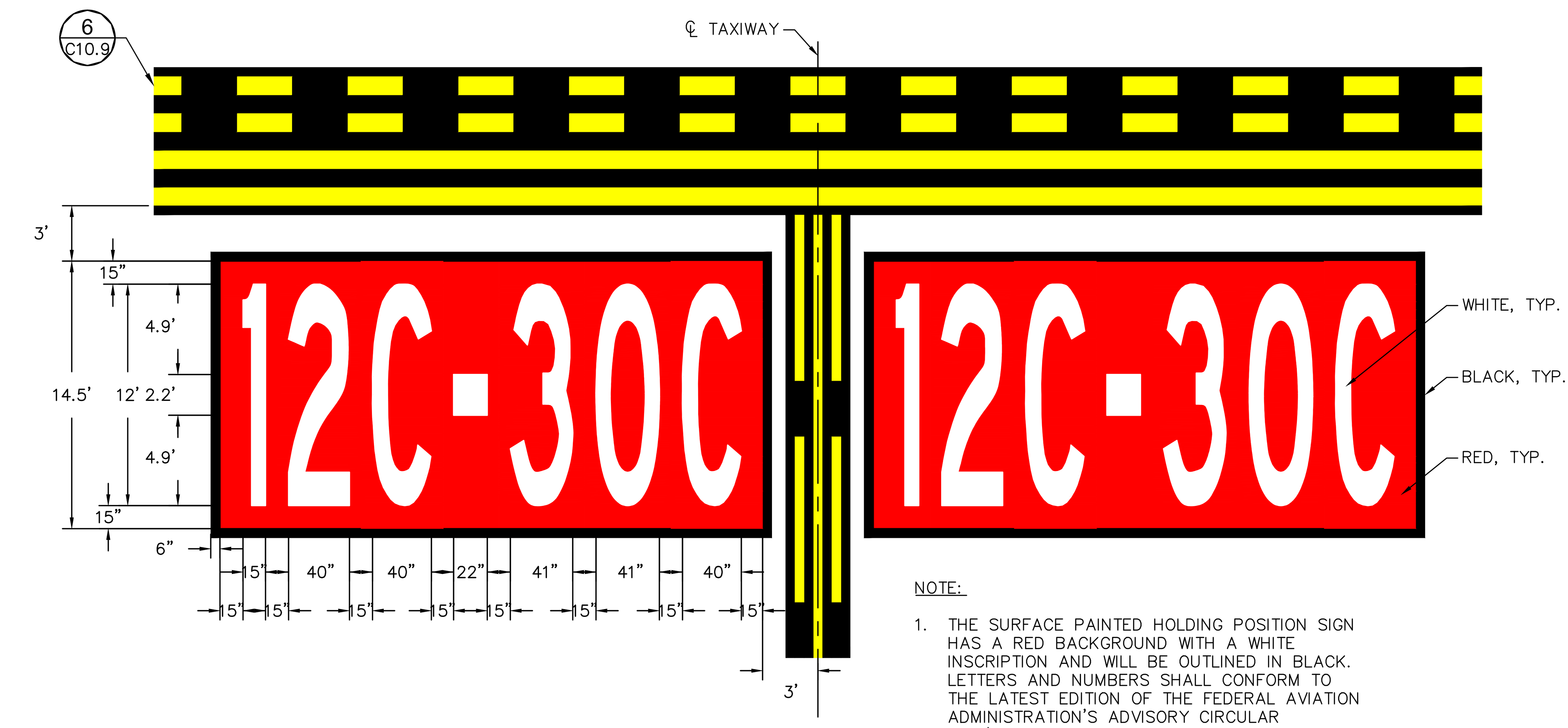
1 / C10.11 SURFACE PAINTED HOLDING POSITION SIGN DETAIL (30L-12R)

N.T.S.



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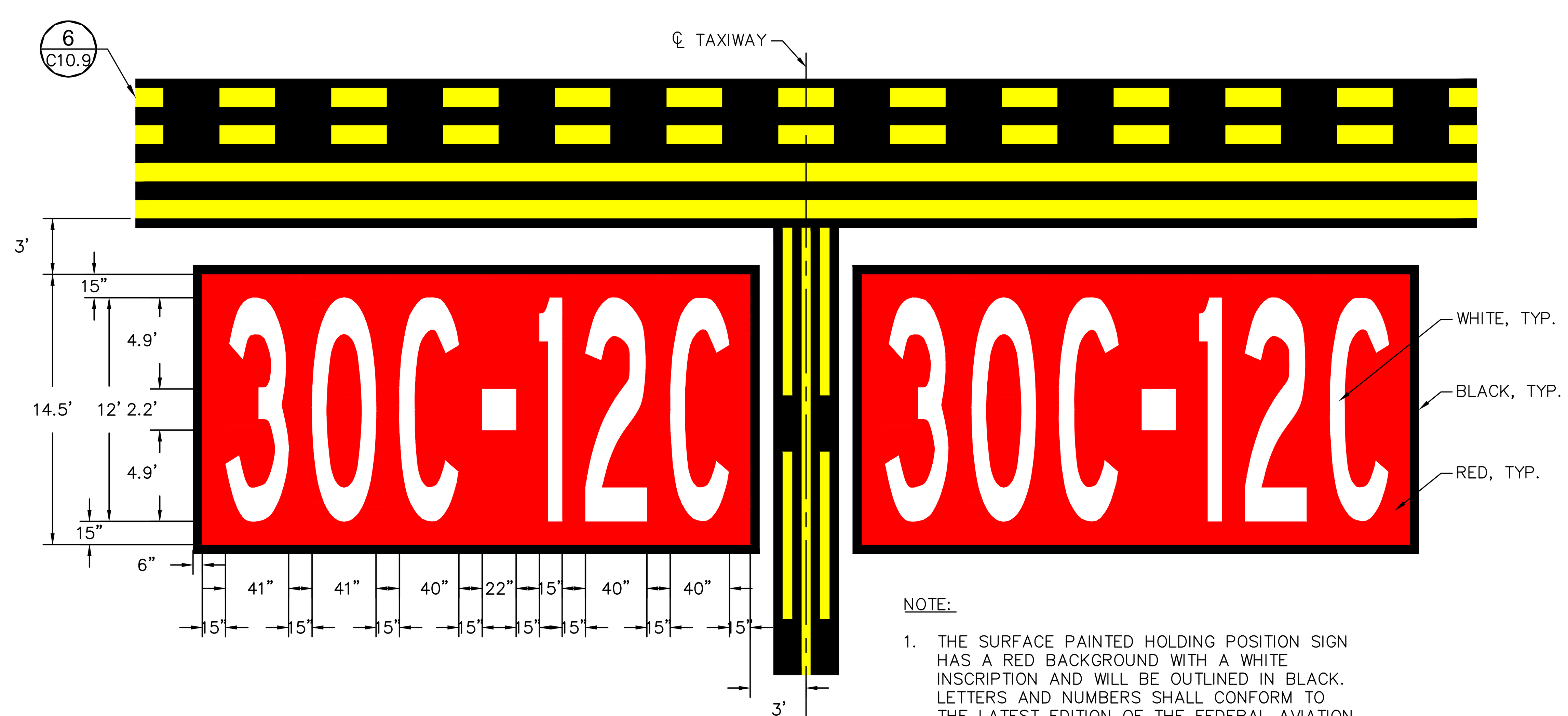
2 / C10.11 SURFACE PAINTED HOLDING POSITION SIGN DETAIL (12C-30C)

N.T.S.

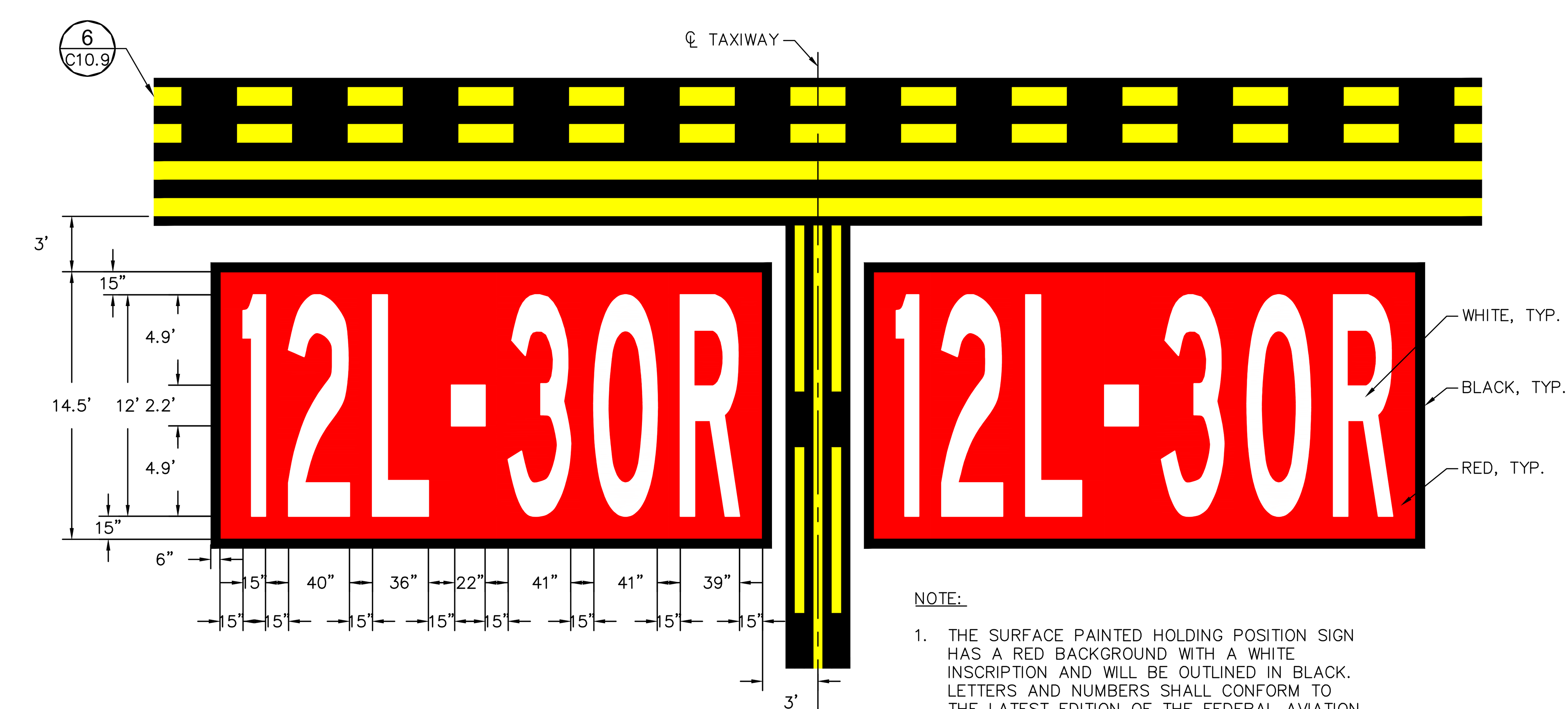


NOTE:

1. THE SURFACE PAINTED HOLDING POSITION SIGN HAS A RED BACKGROUND WITH A WHITE INSCRIPTION AND WILL BE OUTLINED IN BLACK. LETTERS AND NUMBERS SHALL CONFORM TO THE LATEST EDITION OF THE FEDERAL AVIATION ADMINISTRATION'S ADVISORY CIRCULAR 150/5340.

3 / C10.11 SURFACE PAINTED HOLDING POSITION SIGN DETAIL (30C-12C)

N.T.S.



NOTE:

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4 / C10.11 SURFACE PAINTED HOLDING POSITION SIGN DETAIL (12L-30R)

N.T.S.

PLANS TO BE PRINTED IN COLOR

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NO.	REVISION	DATE	BY

FIRM'S NAME

Kimley»Horn

KIMLEY-HORN AND ASSOCIATES, INC.
2046 Riverview Auto Dr., SUITE 400
Mesa, Arizona 85210 (480) 207-2666

FIRM'S SEAL

SCALE
Horiz. ____
Vert. ____

Date 11/26/2025
Designed by JMM
Drawn by BPN
Checked by NCW
Approved by JMM

Mesa Gateway Airport

MESA GATEWAY AIRPORT AUTHORITY
5835 SOUTH SOSSAMAN ROAD
MESA, ARIZONA 85212
(480) 988-7600
GATEWAYAIRPORT.COM

PROJECT NAME

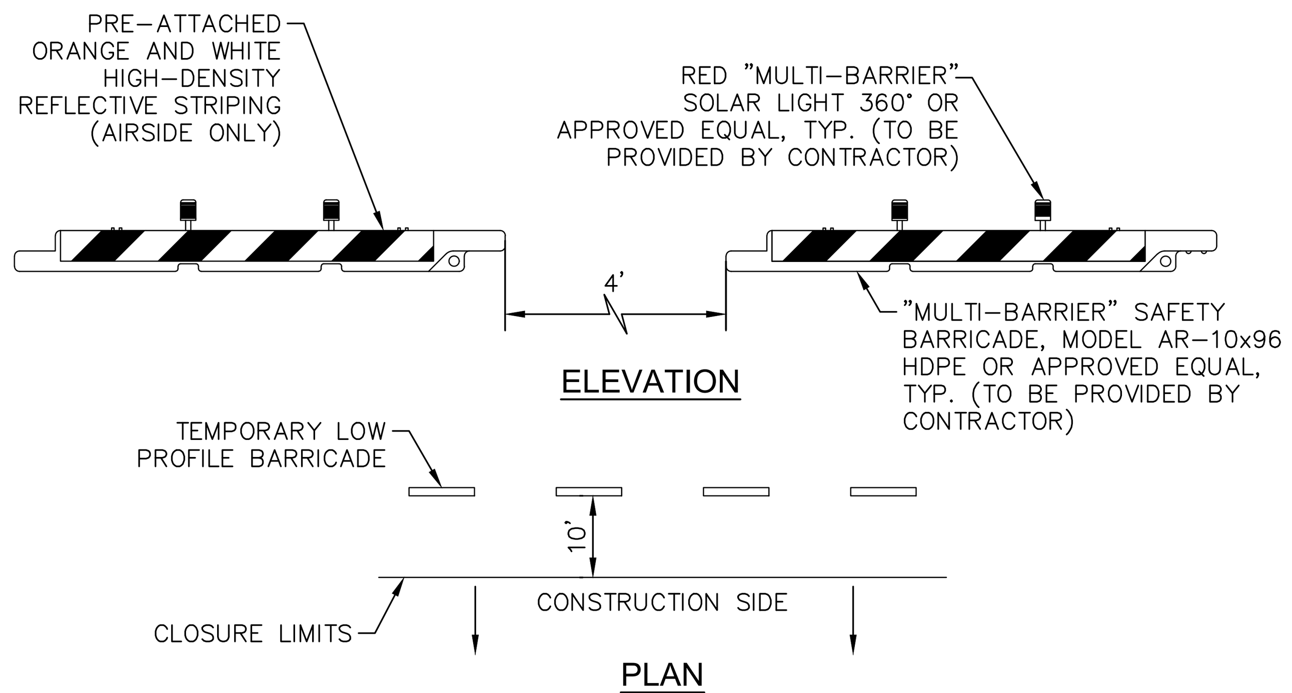
MESA GATEWAY AIRPORT
TAXIWAY G REALIGNMENT

PAVEMENT MARKING DETAILS
SHEET 3 OF 3

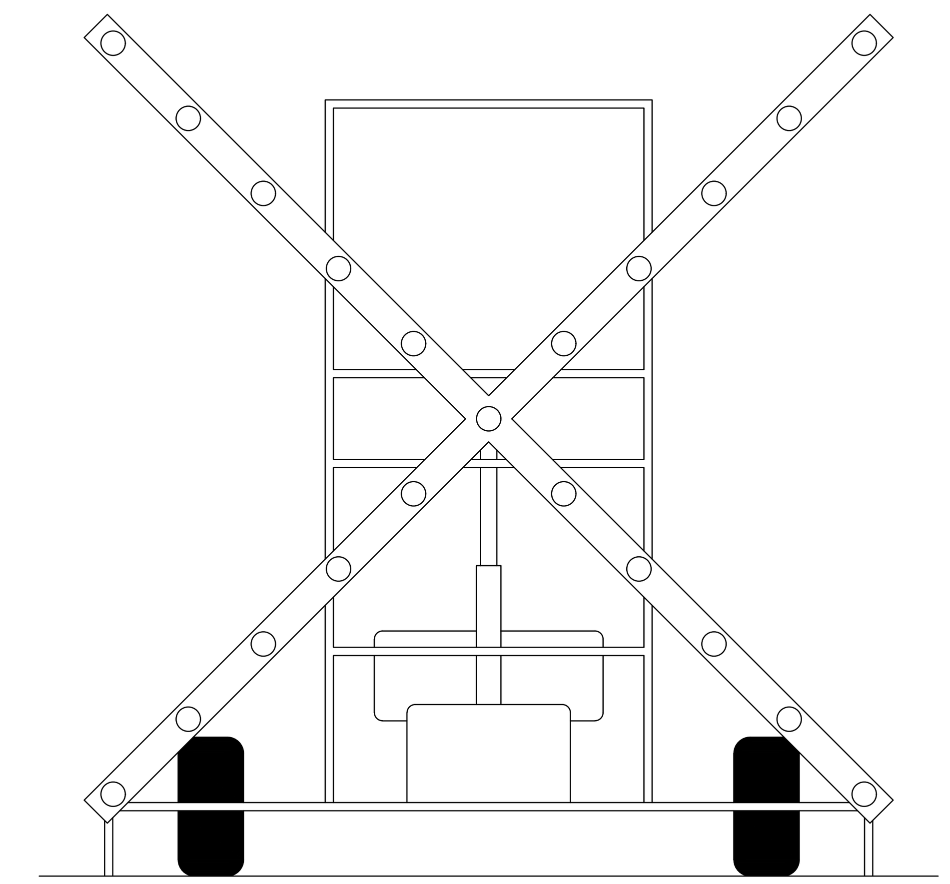
PROJECT NO. 091134073

FILE NO. 091134073 - PZ

C10.11



1
11.1
LOW PROFILE BARRICADE
N.T.S.

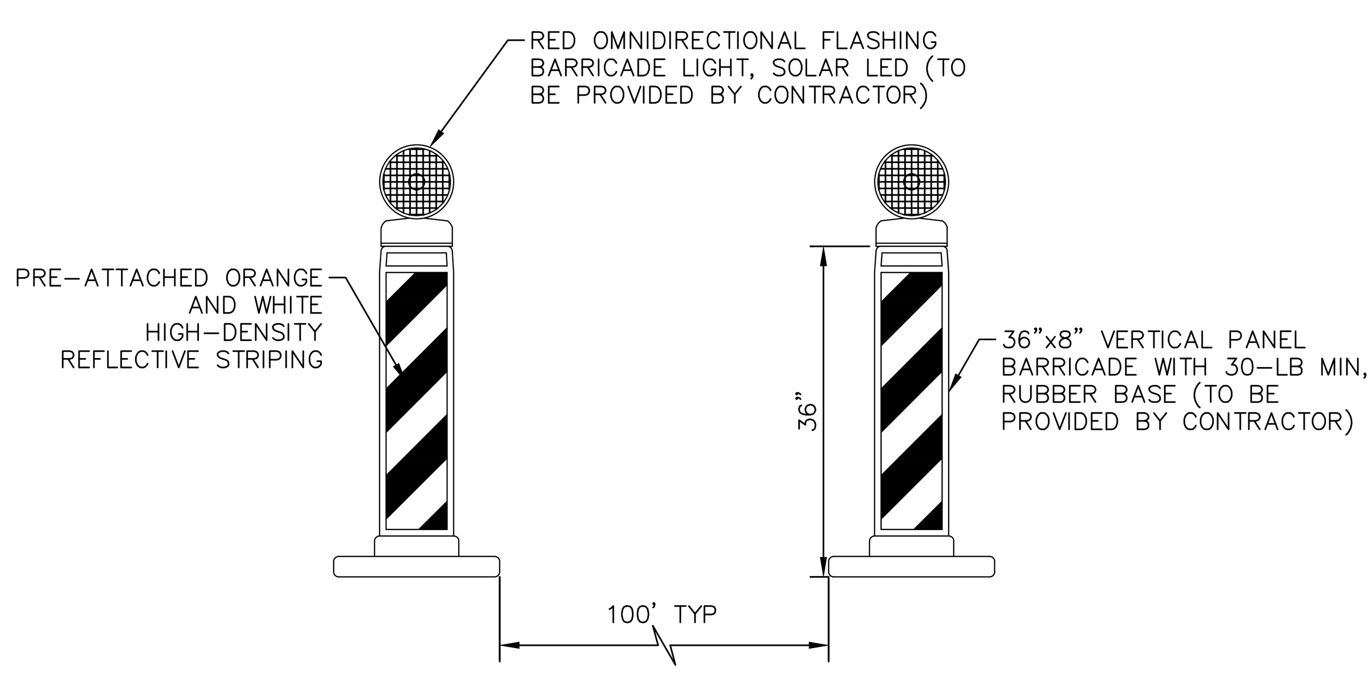


3
11.1
PORTABLE LIGHTED "X" RUNWAY CLOSURE MARKER
N.T.S.

LIGHTED X NOTES

PORTABLE LIGHTED RUNWAY CLOSURE MARKERS (LIGHTED "X") SHALL MEET ALL OF THE FOLLOWING CONDITIONS:

1. WILL BE PROVIDED BY THE CONTRACTOR AND MAINTAINED BY THE CONTRACTOR THROUGHOUT THE DURATION OF THE PROJECT. CONTRACTOR SHALL NOTIFY THE AIRPORT IMMEDIATELY IF ANY DISRUPTION TO THE LIGHTED RUNWAY CLOSURE MARKERS IS NOTICED DURING WORK HOURS.
2. BE CONTROLLED SO THAT THE LIGHTED SIGNAL WILL FLASH AT AN APPROXIMATE RATE OF TWO AND A HALF TO THREE (2.5–3) SECONDS "ON" AND ONE TO TWO AND A HALF (1–2.5) SECONDS "OFF".
3. PROVIDE THE FOLLOWING DAYTIME AND NIGHTTIME VISUAL REFERENCE DURING VISUAL FLIGHT RULE (VFR) CONDITIONS WHEN PLACED ON CENTERLINE PER THE DIMENSIONS SHOWN ON THE PLANS:
   (A) VISIBLE TO THE PILOT AT A RANGE OF AT LEAST FIVE NAUTICAL MILES.
   (B) RECOGNIZABLE AS A LETTER "X" FROM A RANGE OF AT LEAST ONE NAUTICAL MILE.
4. INCLUDE AN OPERATIONS PLACARD IN A CONSPICUOUS LOCATION THAT INSTRUCTS OPERATORS TO VISUALLY CHECK THE OPERATION OF THE DEVICE EVERY TWO HOURS.
5. DIMENSIONING AND LIGHTING ARRANGEMENT SHALL FOLLOW THE DESIGN RECOMMENDATION PER FAA AC 150/5345-55A. THE USE OF LED LIGHTS IS STRONGLY ENCOURAGED.



2
11.1
VERTICAL PANEL BARRICADE WITH LIGHT
N.T.S.

Call at least two full working days before you begin excavation.
ARIZONA 811
Arizona Blue Stake, Inc.
Dial 8-1-1 or 1-800-STAKE-IT (782-5348)
In Maricopa County: (602) 263-1100

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KIMLEY-HORN AND ASSOCIATES, INC.
2046 Riverview Auto Dr, SUITE 400
Mesa, Arizona 85210 (480) 207-2666

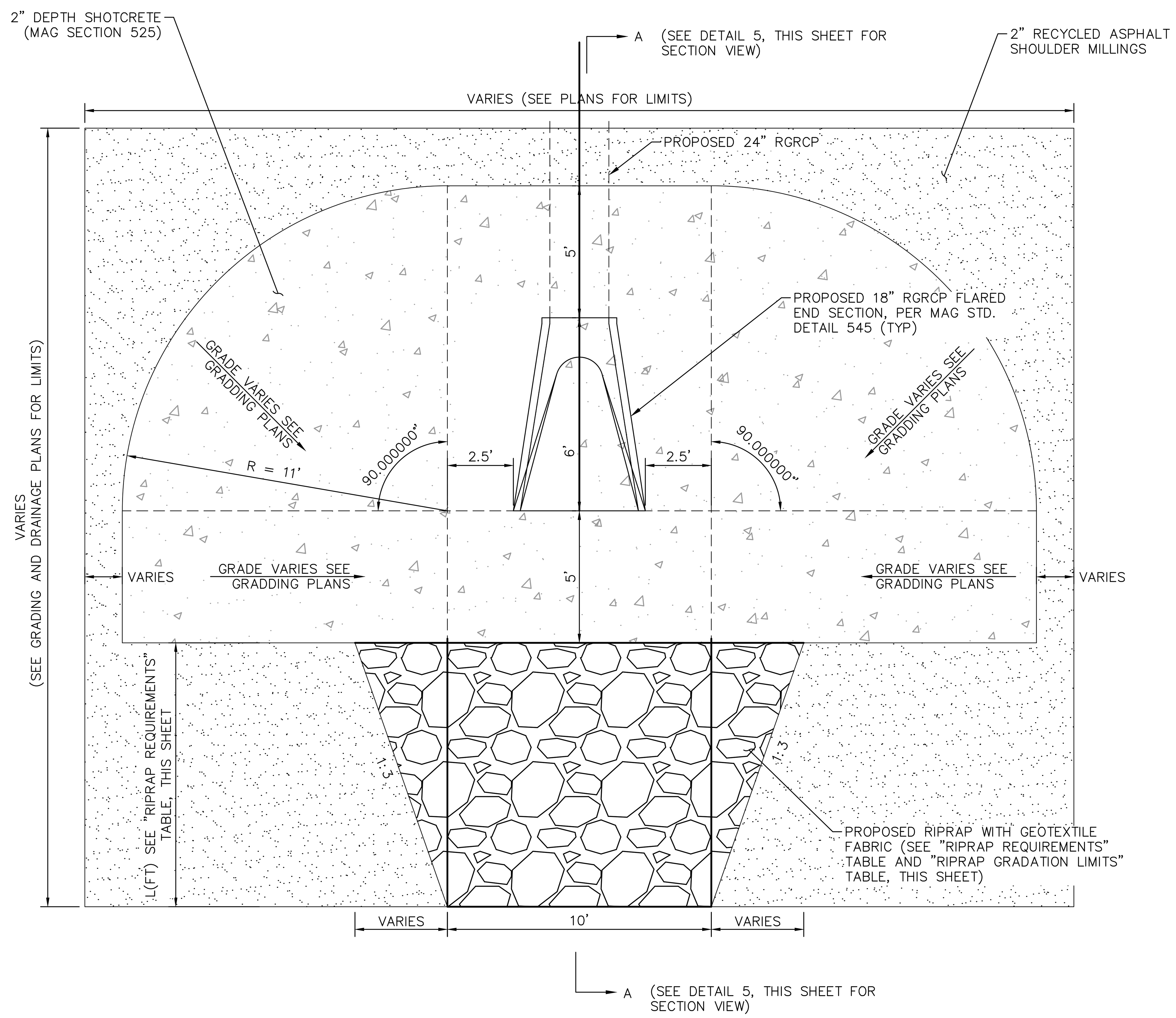
FIRM'S SEAL

SCALE
Horiz. N/A
Vert. N/A
Date 11/26/2025
Designed by JMM
Drawn by BPN
Checked by NCW
Approved by JMM

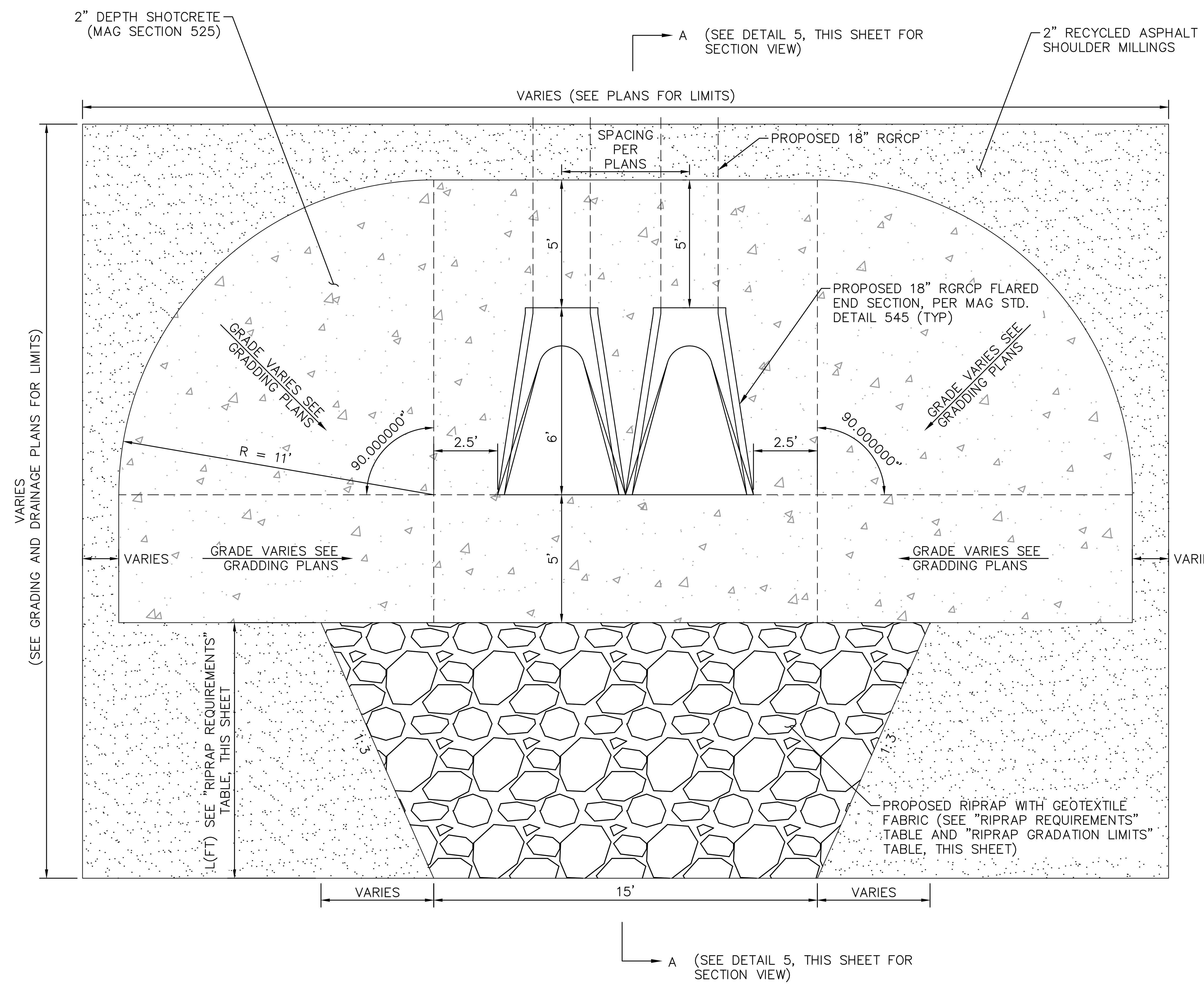
Mesa Gateway Airport
MESA GATEWAY AIRPORT AUTHORITY
5835 SOUTH SOSSAMAN ROAD
MESA, ARIZONA 85212
(480) 988-7600
GATEWAYAIRPORT.COM

PROJECT NAME
MESA GATEWAY AIRPORT
TAXIWAY G REALIGNMENT
PROJECT DETAILS
SHEET 1 OF 10

PROJECT NO. 091134073
FILE NO. 091134073 - DT
C11.1



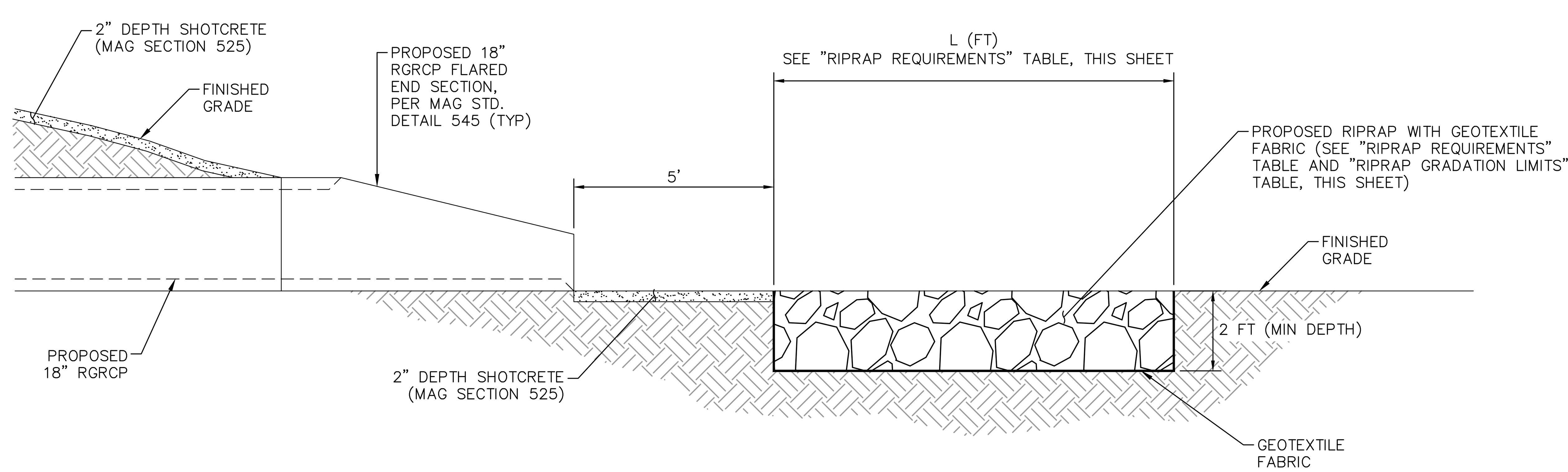
SINGLE OUTLET



DOUBLE OUTLET

4 / 11.2 OUTLET STABILIZATION DETAIL (SINGLE/DOUBLE)

N.T.S.



5 / 11.2 OUTLET STABILIZATION DETAIL (SECTION VIEW)

N.T.S.

RIPRAP REQUIREMENTS

RIPRAP LOCATION (STA)	D50 (IN)	L (FT)	MIN DEPTH (FT)
802+75.28	9	13	2
804+54.25	9	13	2

RIPRAP GRADATION LIMITS

STONE SIZE RANGE (FT)	STONE WEIGHT RANGE (LB)	% OF GRADATION SMALLER THAN
1.5 (D50) TO 1.7 (D50)	3 (W50) TO 5 (W50)	100
1.2 (D50) TO 1.4 (D50)	2 (W50) TO 2.75 (W50)	85
1.0 (D50) TO 1.15 (D50)	1 (W50) TO 1.5 (W50)	50
0.4 (D50) TO 0.6 (D50)	0.1 (W50) TO 0.2 (W50)	15

PLANS TO BE PRINTED IN COLOR

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Kimley»Horn
KIMLEY-HORN AND ASSOCIATES, INC.
2246 Riverview Auto Dr., SUITE 400
Mesa, Arizona 85210 (480) 207-2666

FIRM'S SEAL

SCALE
Horiz. N/A
Vert. N/A

Date 11/26/2025
Designed by JMM
Drawn by BPN
Checked by NCW
Approved by JMM

Mesa Gateway Airport
MESA GATEWAY AIRPORT AUTHORITY
5835 SOUTH SOSSAMAN ROAD
MESA, ARIZONA 85212
(480) 988-7600
GATEWAYAIRPORT.COM

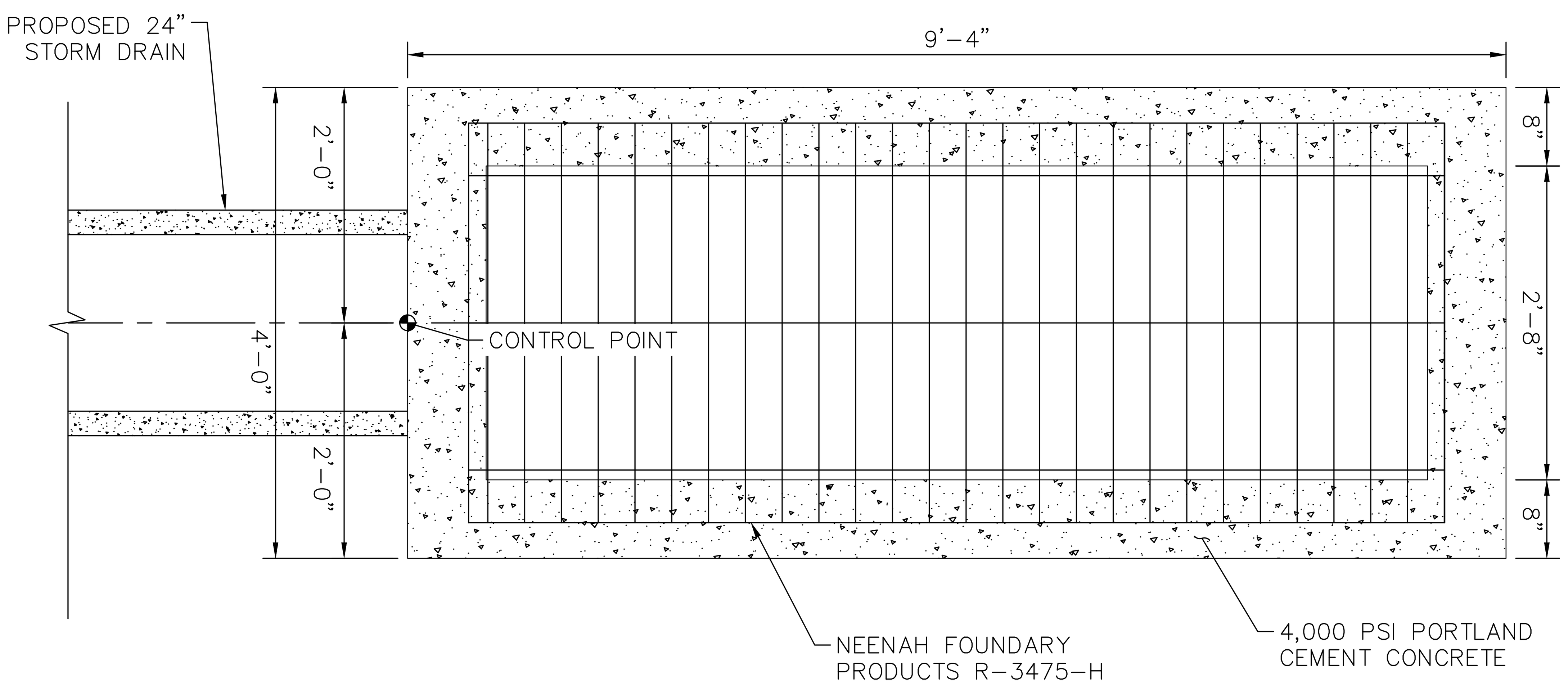
PROJECT NAME
MESA GATEWAY AIRPORT
TAXIWAY G REALIGNMENT

PROJECT DETAILS
SHEET 2 OF 10

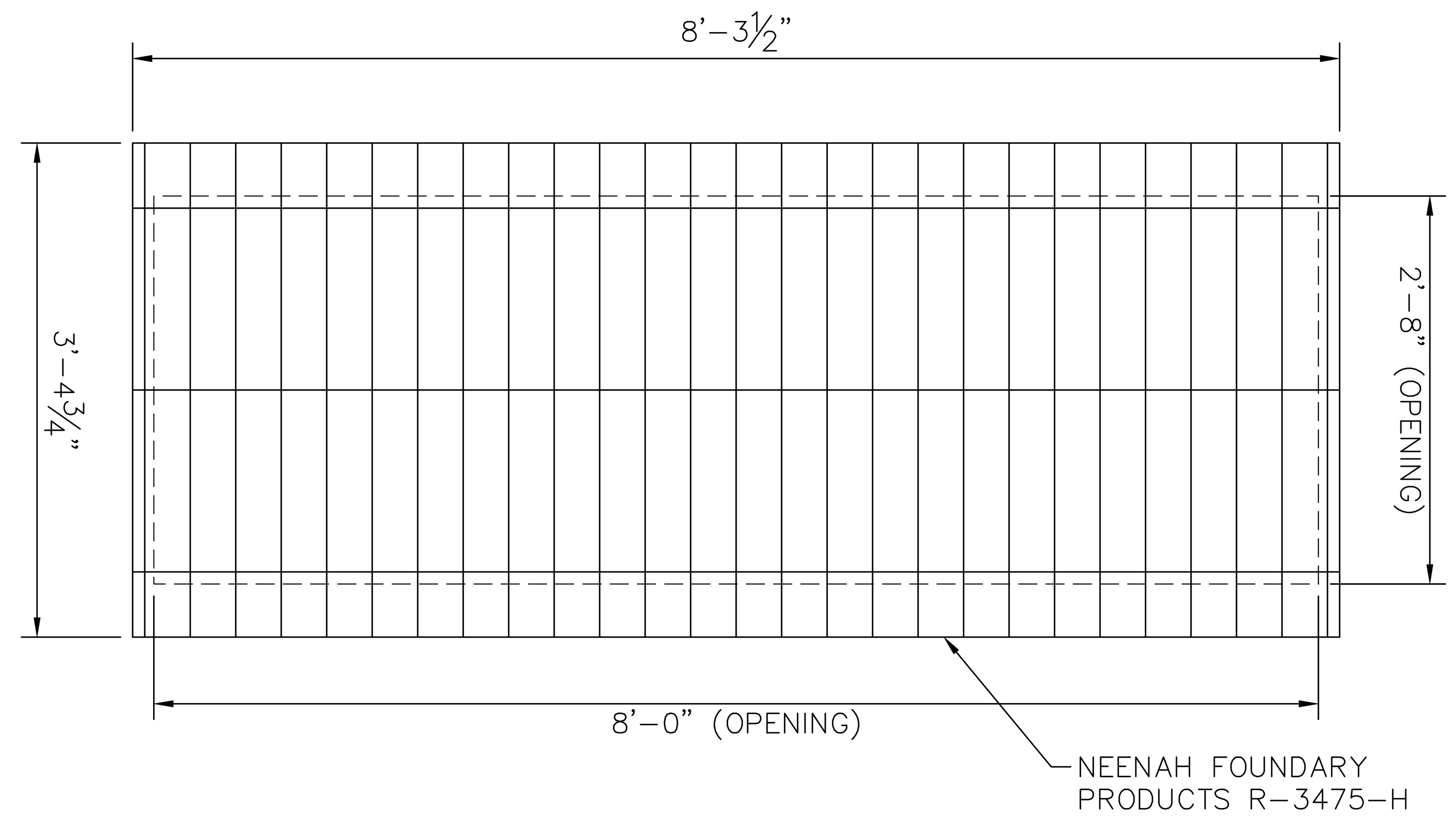
PROJECT NO. 091134073
FILE NO. 091134073 - DT

C11.2

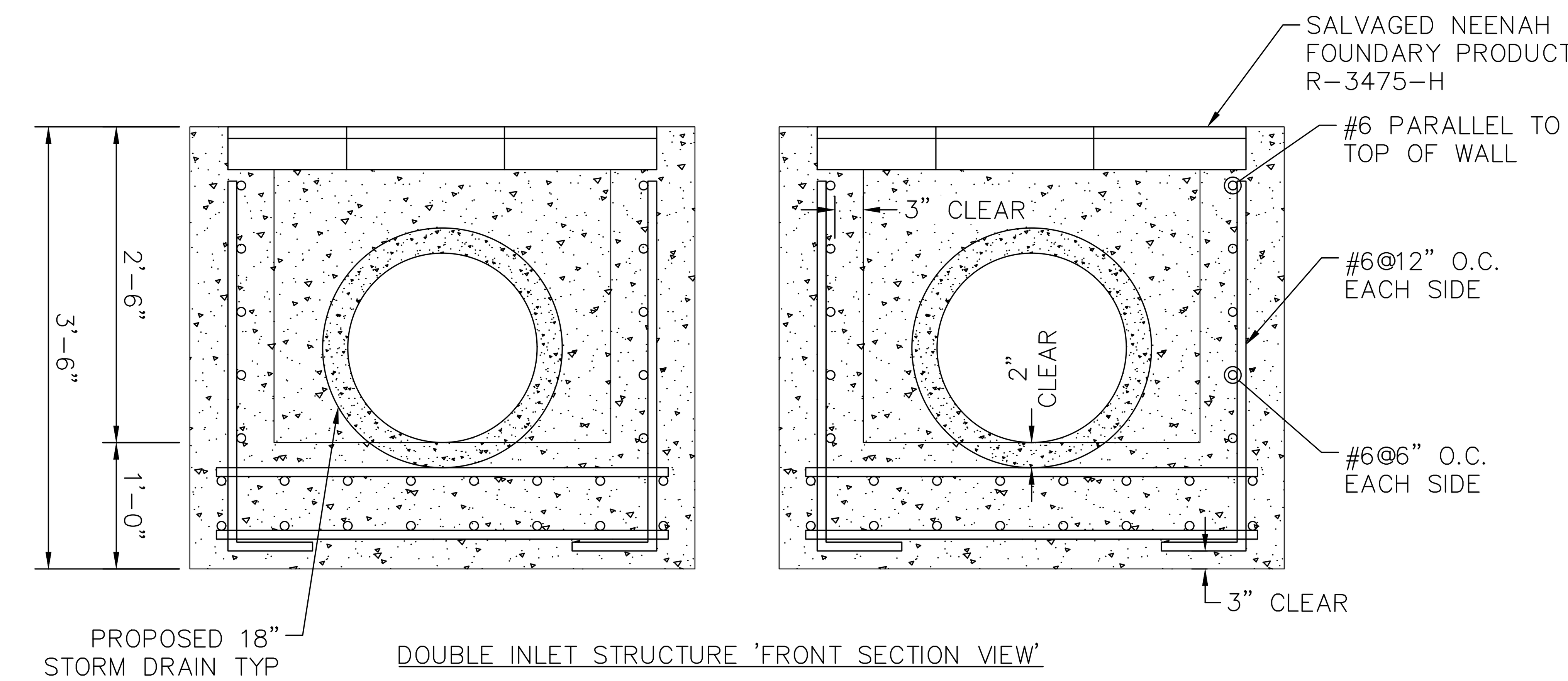
NOTES:
1. CONCRETE TO BE F'c=4,000 PSI MIN. AT 28 DAYS.
2. REINFORCING TO BE ASTM AG15, GRADE 60.
3. PROVIDE 2" CLEAR COVER FOR REINFORCING STELL UNLESS NOTED OTHERWISE.
4. PREPARE SUBGRADE IN ACCORDANCE WITH PROJECT GEOTECHNICAL ENGINEERS RECOMMENDATIONS



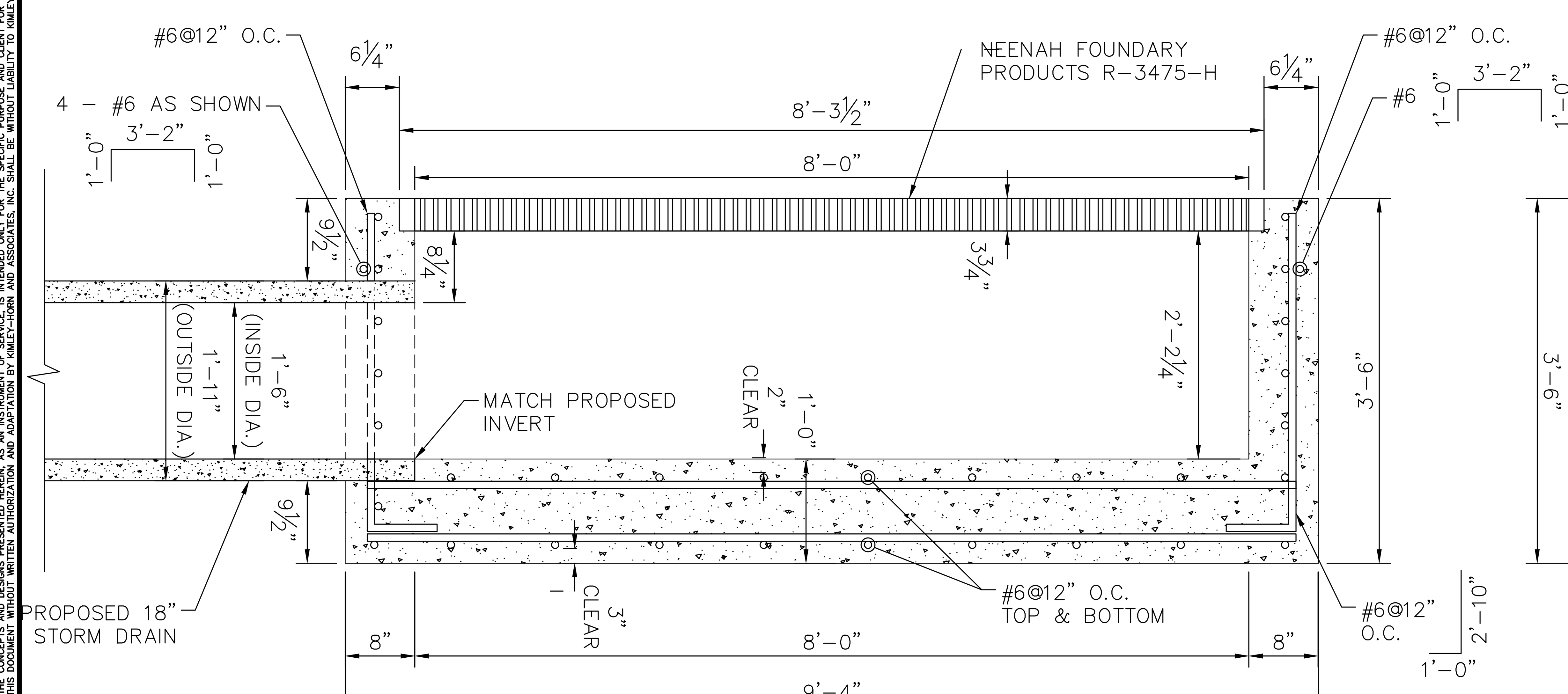
SINGLE INLET STRUCTURE 'PLAN VIEW'



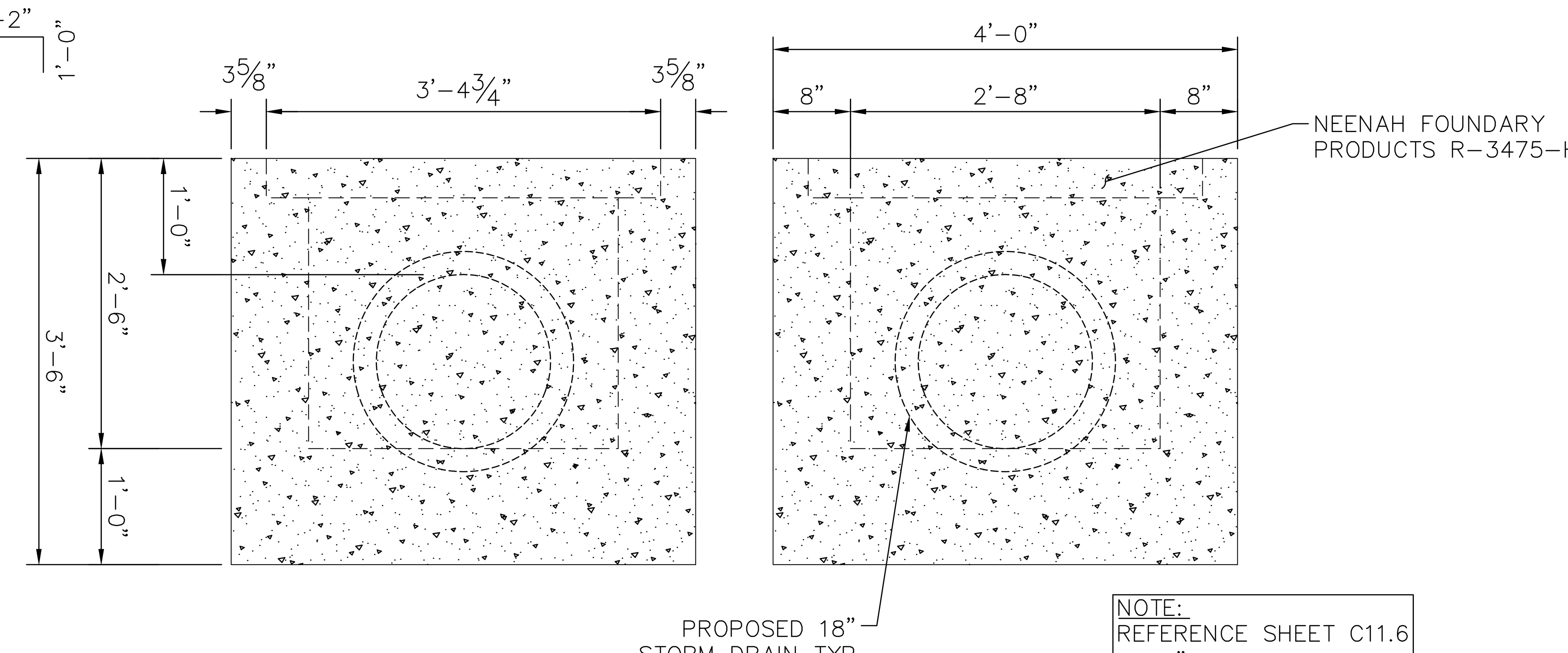
INLET GRATE 'TOP VIEW'



DOUBLE INLET STRUCTURE 'FRONT SECTION VIEW'



DOUBLE INLET STRUCTURE 'SECTION VIEW'



DOUBLE INLET STRUCTURE 'FRONT VIEW'

NOTE:
REFERENCE SHEET C11.6 FOR "TRIPLE INLET STRUCTURE" DETAIL VARIATION.

6 / 11.3 DOUBLE INLET STRUCTURE DETAIL
N.T.S.

Call at least two full working days before you begin excavation. ARIZONA 811 Arizona Blue Stake, Inc. Dial 8-1-1 or 1-800-STAKE-IT (782-5348) In Maricopa County: (602) 263-1100

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Mesa, Arizona 85210 (480) 207-2666

FIRM'S SEAL

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Horiz. N/A
Vert. N/A
Date 11/26/2025
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5835 SOUTH SOSSAMAN ROAD
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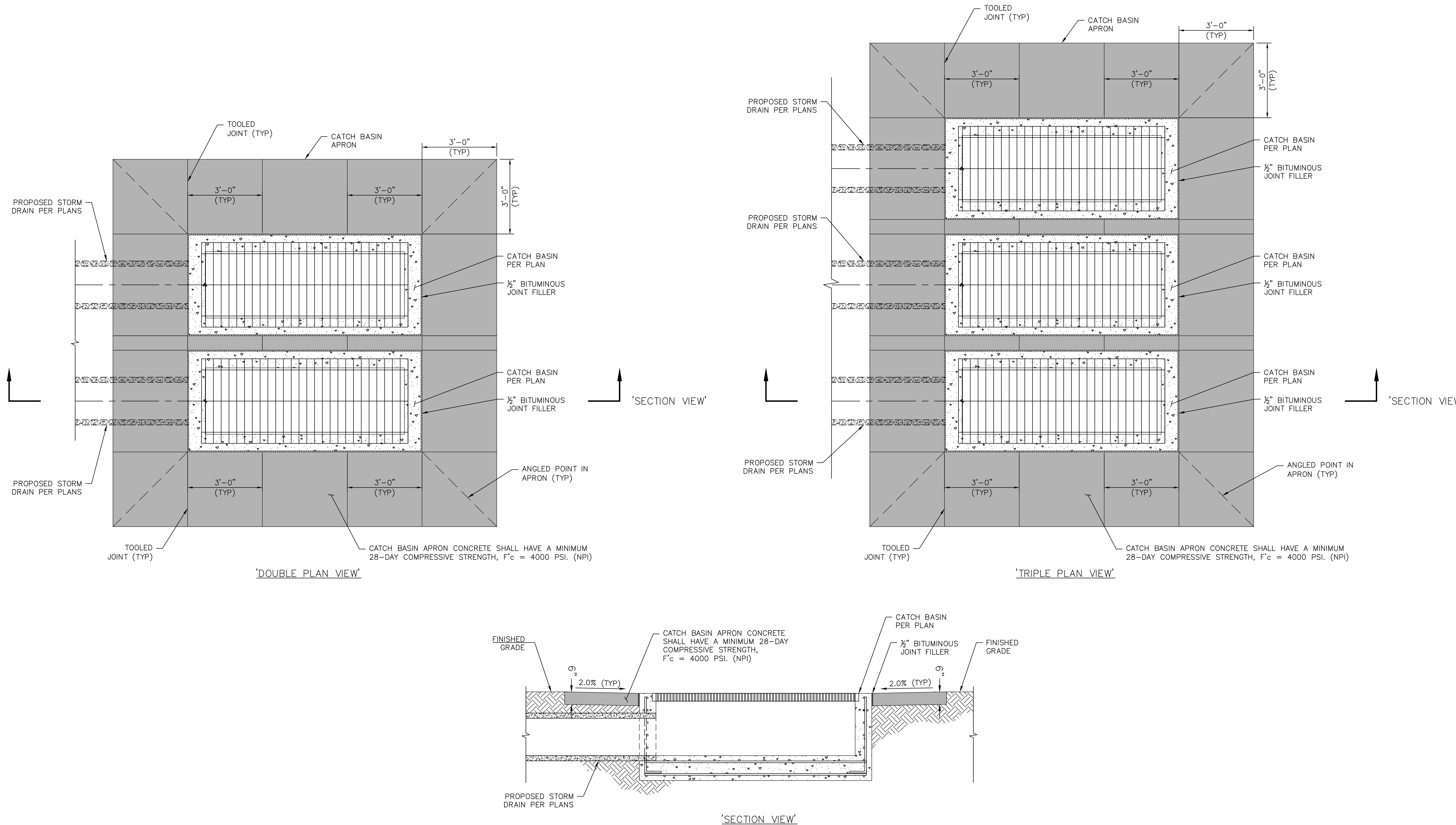
GATEWAYAIRPORT.COM

PROJECT NAME
MESA GATEWAY AIRPORT
TAXIWAY G REALIGNMENT
PROJECT DETAILS
SHEET 3 OF 10

PROJECT NO. 091134073
FILE NO. 091134073 - DT
C11.3
SHEET 97 of 153



7
11.4
CATCH BASIN APRON DETAIL (DOUBLE/TRIPLE)
SCALE: NTS

K:\EAV_Aviation\091134073 – Taxiway G Realignment\CADD\091134073 – DT.dwg Nov 26, 2025 Jason.Zhang

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NO.	REVISION	BY	DATE

FIRM'S NAME

Kimley»Horn

KIMLEY-HORN AND ASSOCIATES, INC.
2046 Riverview Auto Dr., SUITE 400
Mesa, Arizona 85210 (480) 207-2666

FIRM'S SEAL

SCALE
Horiz. N/A
Vert. N/A
Date 11/26/2025
Designed by JMM
Drawn by BPN
Checked by NCW
Approved by JMM

Mesa Gateway Airport

MESA GATEWAY AIRPORT AUTHORITY
5835 SOUTH SOSSAMAN ROAD
MESA, ARIZONA 85212
(480) 988-7600
GATEWAYAIRPORT.COM

PROJECT NAME

MESA GATEWAY AIRPORT
TAXIWAY G REALIGNMENT

PROJECT DETAILS
SHEET 4 OF 10

Call at least two full working days before you begin excavation.
ARIZONA811
Arizona Blue Stake, Inc.
Dial 8-1-1 or 1-800-STAKE-IT (782-5348)
In Maricopa County: (602) 263-1100

PLANS TO BE PRINTED IN COLOR
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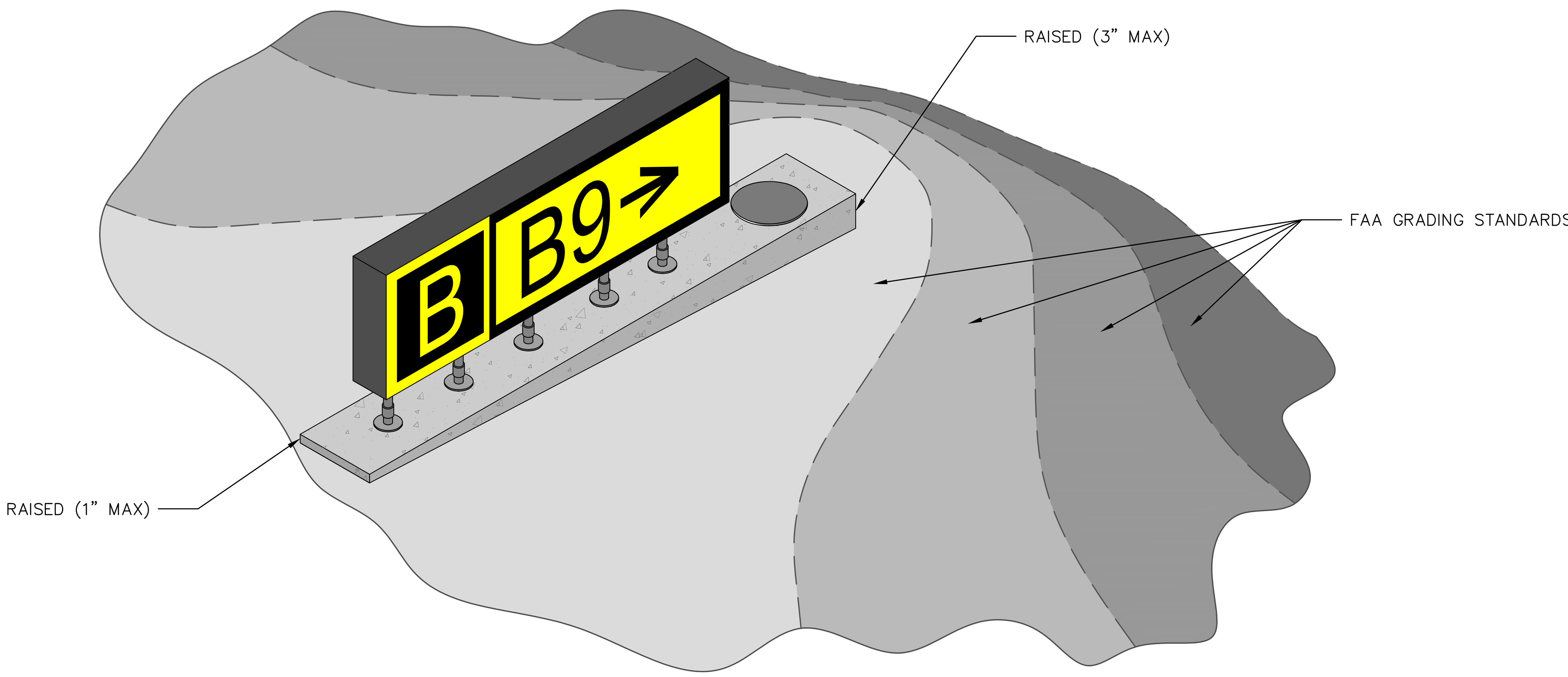
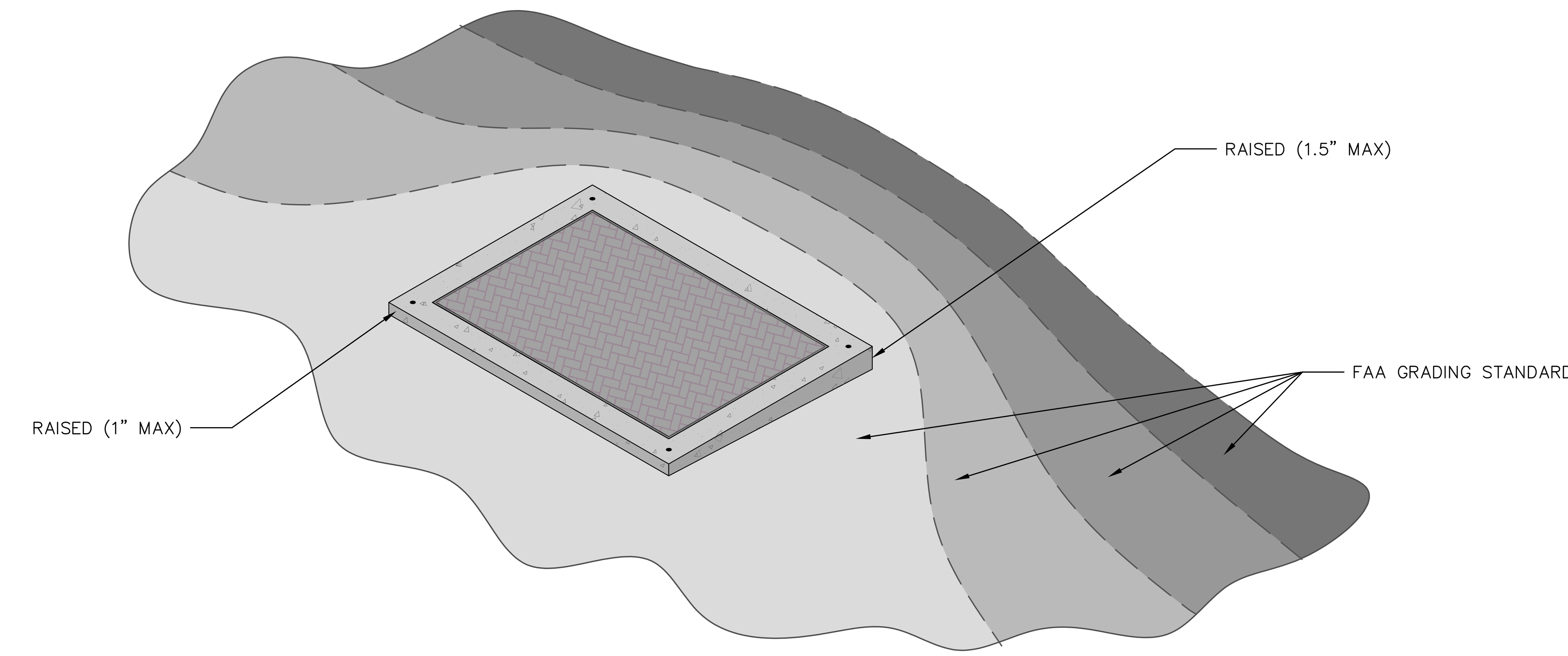
PROJECT NO.
091134073
FILE NO.
091134073 - DT
C11.4
SHEET 98 of 153



EXISTING SIGN



EXISTING VAULT/STRUCTURE

1 / 11.5 LOCALIZED GRADING DETAILS

N.T.S.

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PROJECT NO. 091134073
FILE NO. 091134073 - DT
C11.5
SHEET 99 of 153

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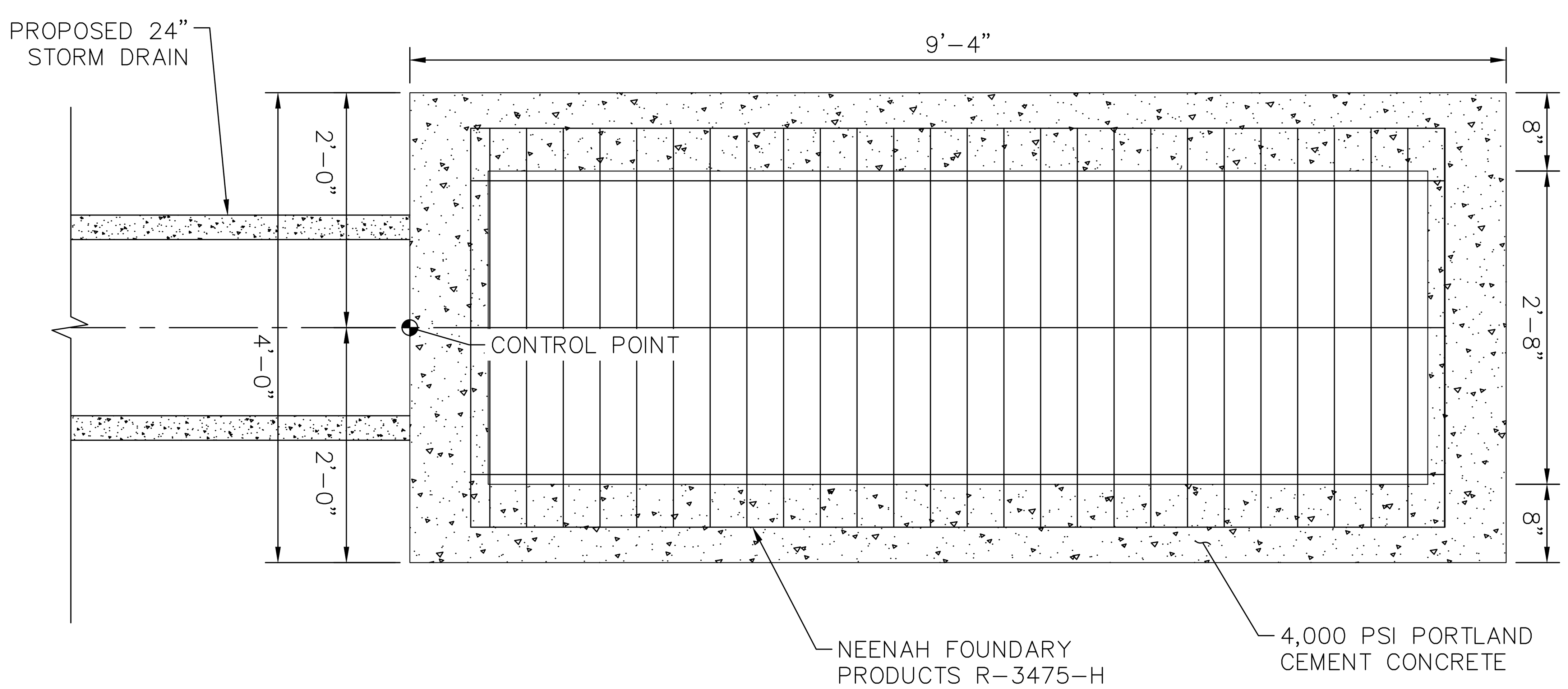
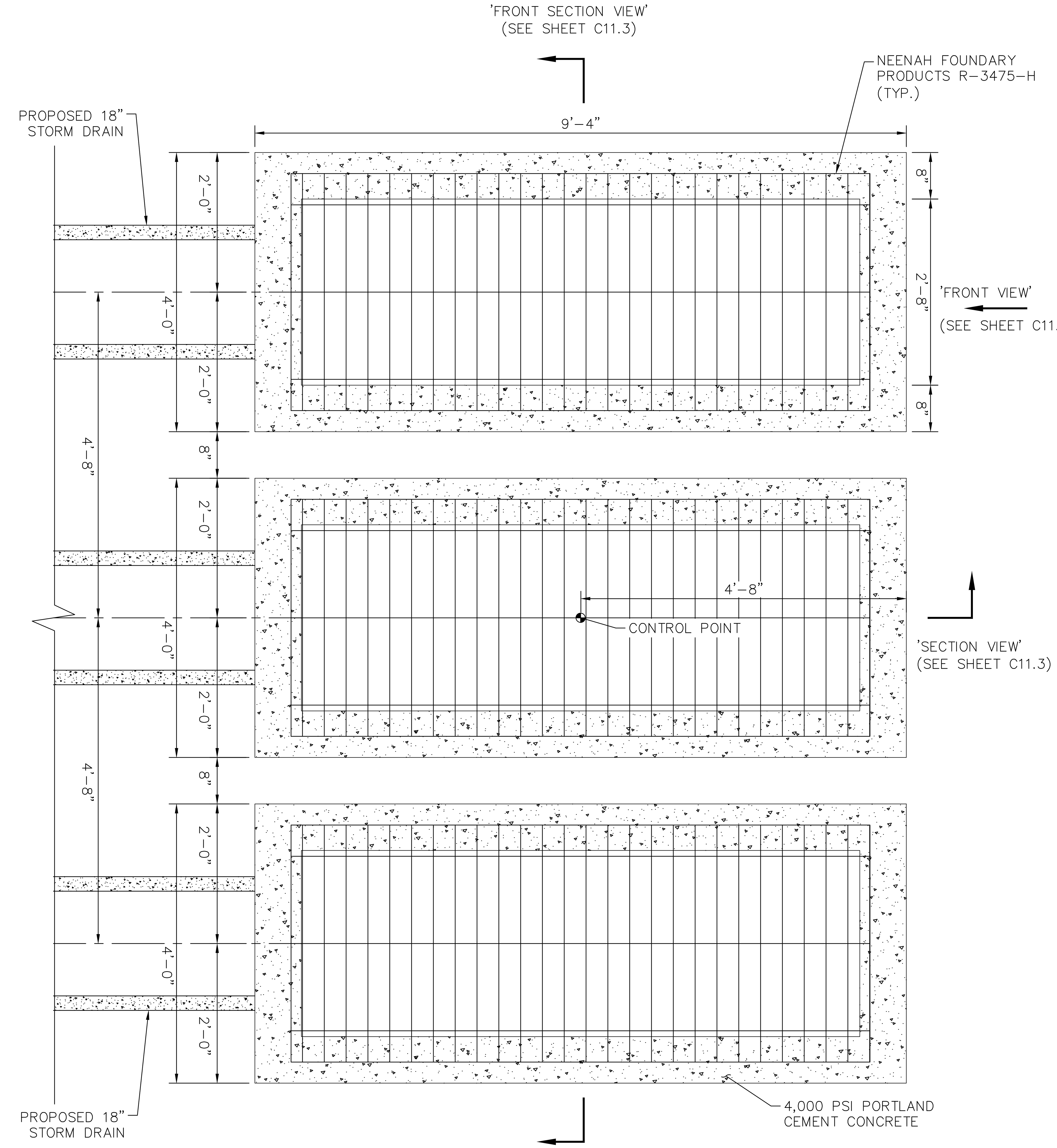
XREFS: x091134073 – TB



SINGLE INLET STRUCTURE 'PLAN VIEW'

10 / 11.6 SINGLE INLET STRUCTURE DETAIL
N.T.S.



TRIPLE INLET STRUCTURE 'PLAN VIEW'

11 / 11.6 TRIPLE INLET STRUCTURE DETAIL
N.T.S.

NOTES:

1. CONCRETE TO BE F'c=4,000 PSI MIN. AT 28 DAYS.
2. REINFORCING TO BE ASTM AG15, GRADE 60.
3. PROVIDE 2" CLEAR COVER FOR REINFORCING STELL UNLESS NOTED OTHERWISE.
4. PREPARE SUBGRADE IN ACCORDANCE WITH PROJECT GEOTECHNICAL ENGINEERS RECOMMENDATIONS

NOTE:
REFERENCE "INLET STRUCTURE: FRONT SECTION VIEW, FRONT VIEW, SECTION VIEW" ON SHEET ##### FOR FURTHER VIEWS.

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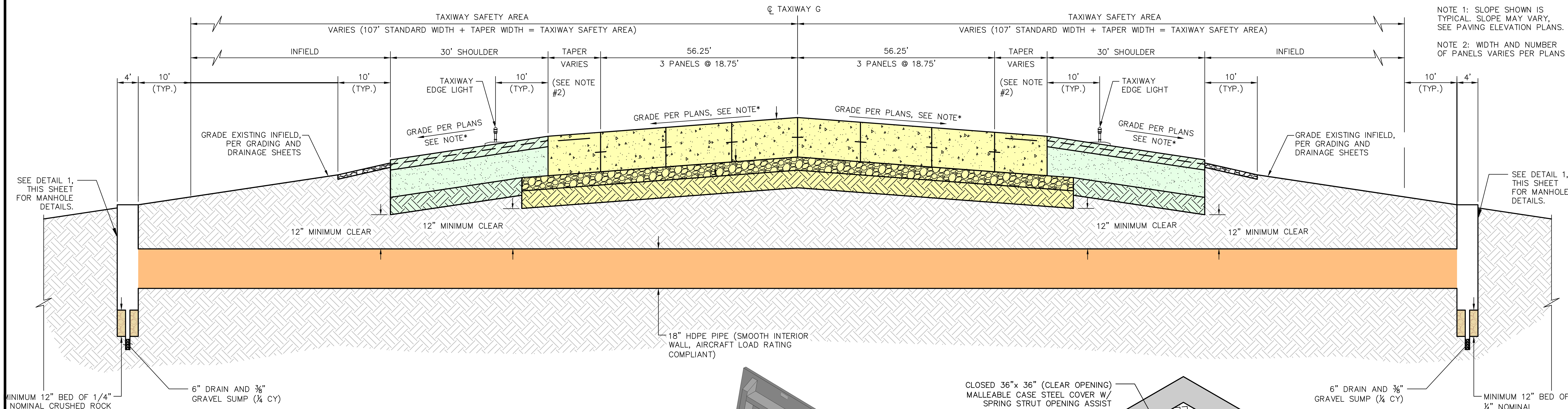
PROJECT DETAILS
SHEET 6 OF 10

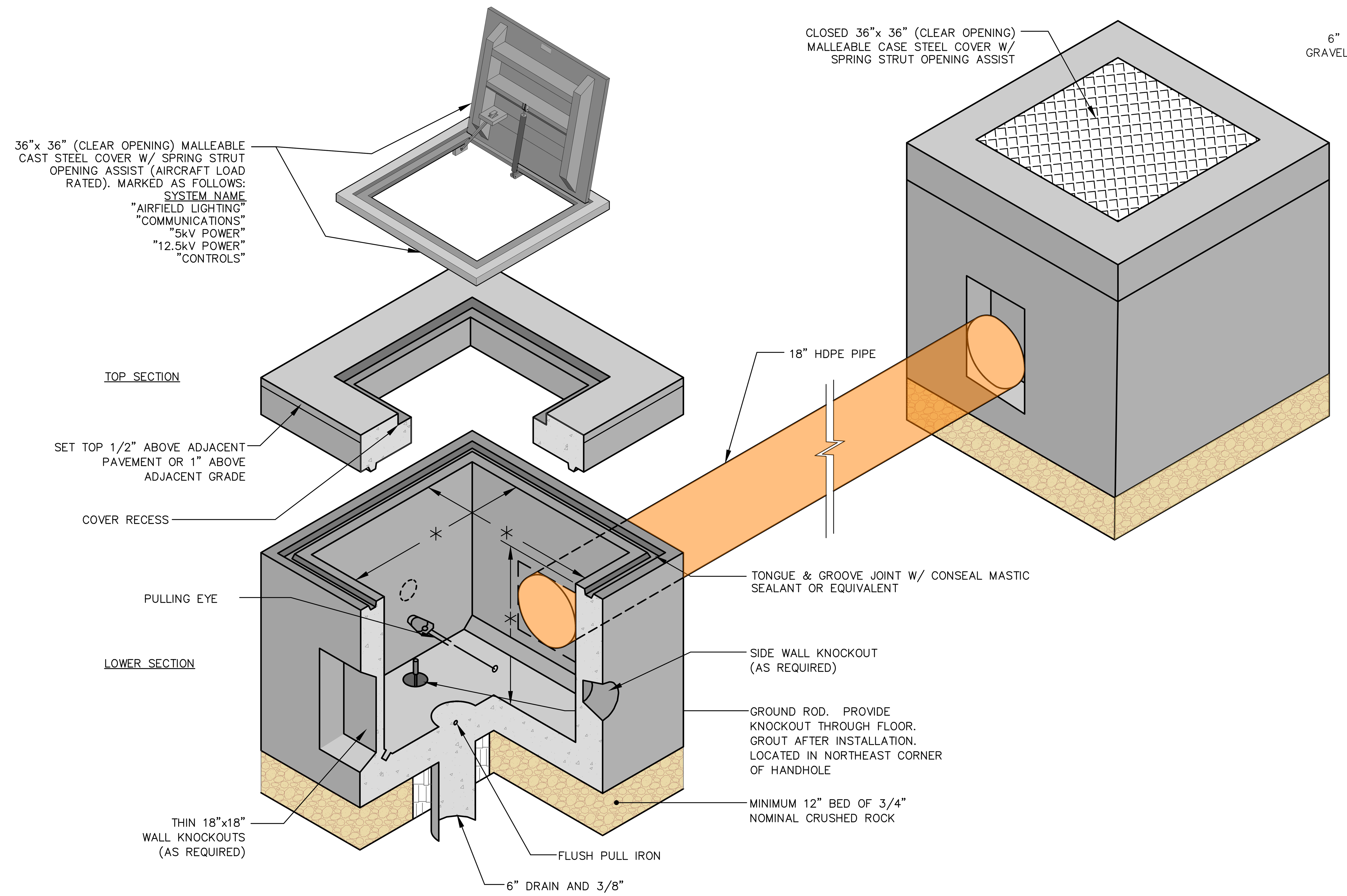
PROJECT NO. 091134073
FILE NO. 091134073 - DT

C11.6



NOTE 1: SLOPE SHOWN IS TYPICAL, SLOPE MAY VARY, SEE PAVING ELEVATION PLANS.

NOTE 2: WIDTH AND NUMBER OF PANELS VARIES PER PLANS



HANDHOLE AND MANHOLE NOTES:

1. ALL STEEL, OTHER THAN REBAR, TO BE HOT DIPPED GALVANIZED AFTER FABRICATION.
2. PROVIDE ALL HANDHOLES WITH CABLE RACKS & PULLING EYES PER SPECIFICATIONS.
3. INSTALL HANDHOLES PARALLEL TO ADJACENT R/W OR T/W CENTERLINE UNLESS NOTED OTHER WISE.
4. PROVIDE GROUND ROD FOR EACH HANDHOLE PER SPECIFICATIONS.
5. GROUT ALL CONDUIT PENETRATIONS.
6. PROVIDE MANUFACTURER'S DRAWINGS AND STRUCTURAL CALCULATIONS FOR ALL CONCRETE ELEMENTS OF HANDHOLES AND FABRICATED TRAFFIC LIDS.
7. NOTE: DO NOT CONNECT COUNTERPOISE TO GROUNDING SYSTEM, ROUTE AROUND HANDHOLES, SEE DETAIL 2/E12.11.
8. PROVIDE CABLE RACKING PER DETAIL 3/E12.11 AND CABLE ROUTING IDENTIFICATION PER DETAIL 1/E12.11.
9. AFTER ADJUSTING MANHOLE TO GRADE, THE CONTRACTOR SHALL REPLACE THE LADDER AS NECESSARY TO ENSURE THAT IT IS THE CORRECT LENGTH FOR THE NEW DEPTH OF THE MANHOLE.
10. ALL MANHOLES OR HANDHOLES TO BE MODIFIED SHALL HAVE BLOCKING INSTALLED TO PREVENT CONSTRUCTION DEBRIS FROM FALLING INTO THE STRUCTURE, SEE DETAIL 4 THIS SHEET.

* HANDHOLE DIMENSIONS

USE	LENGTH	WIDTH	DEPTH
UTILITY CROSSING	48"	48"	48"

DEPTH MAY VARY TO ACCOMMODATE DUCT/CONDUIT GRADING

1 / 11.7 HANDHOLE - TYPE 1
N.T.S. (AIRCRAFT LOAD RATED, SEE SPEC L-115)

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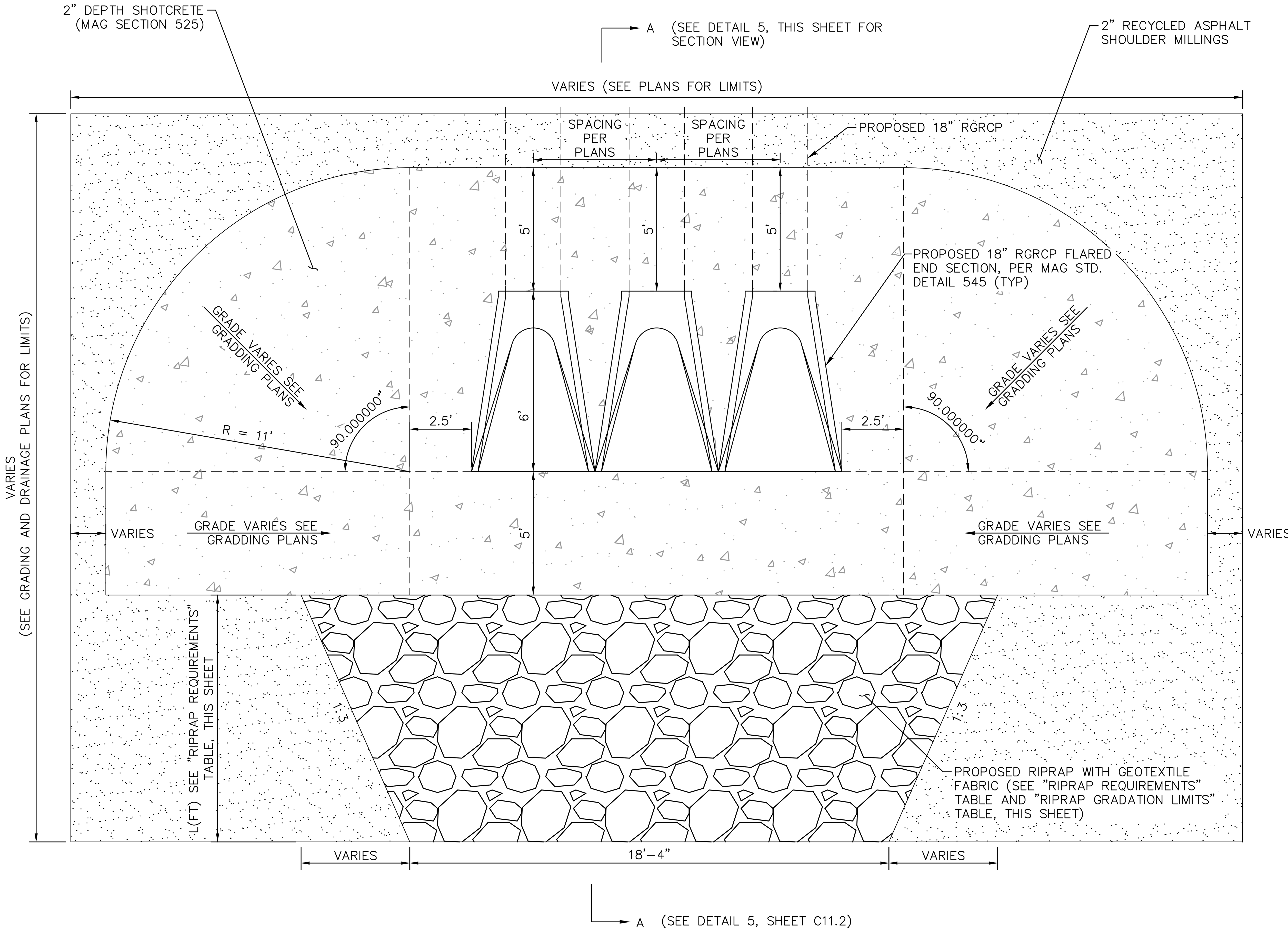
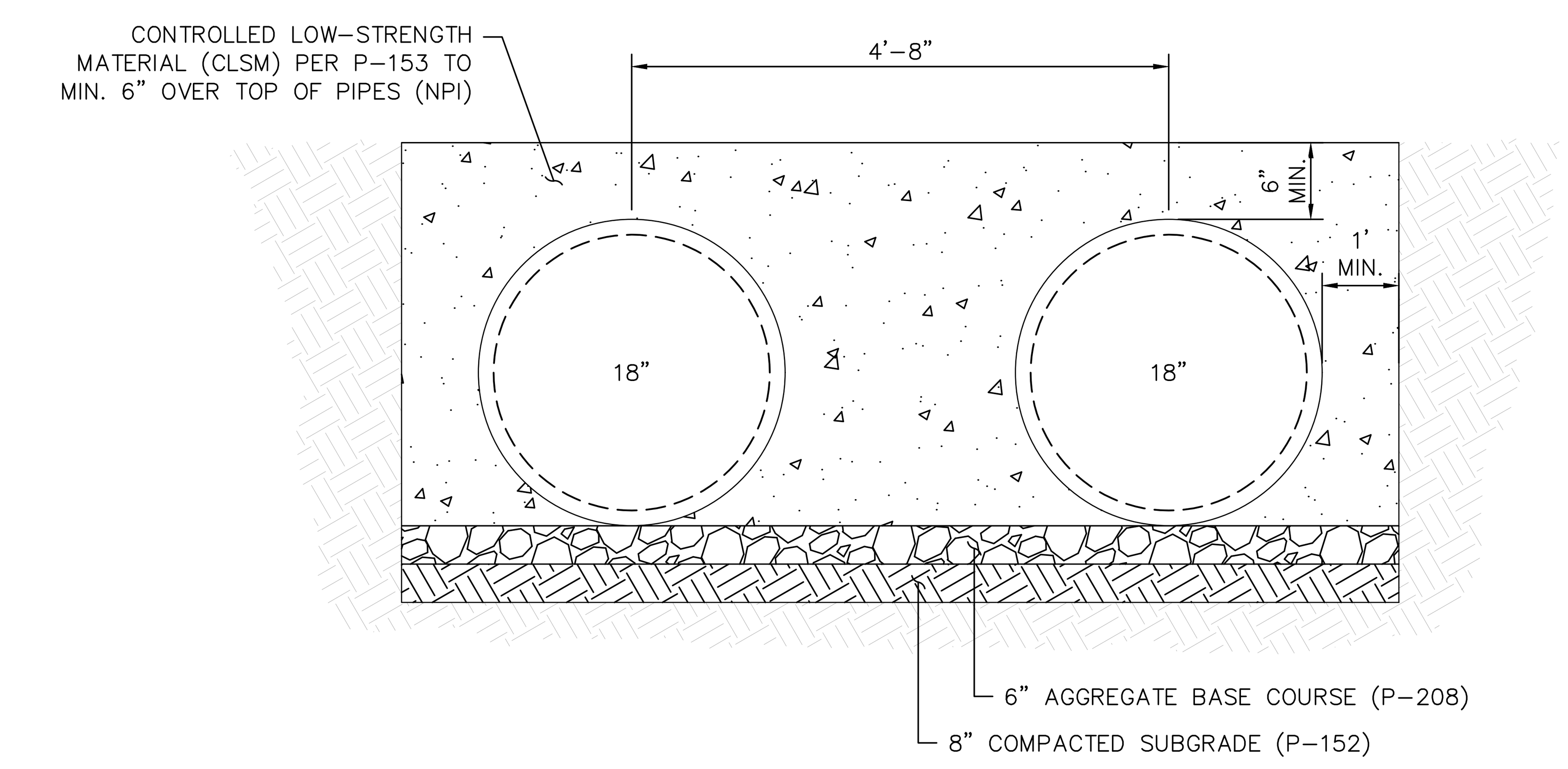
SHEET 7 OF 10

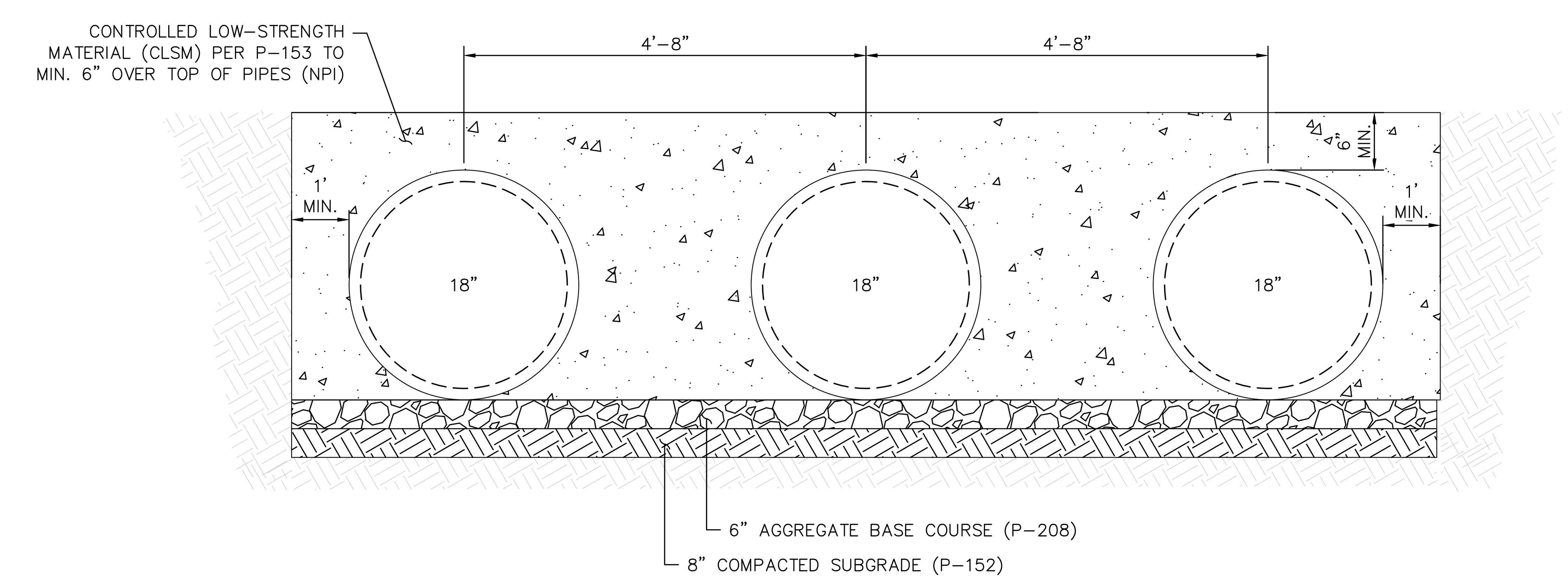
PROJECT NO. 091134073
FILE NO. 091134073 - DT
C11.7



TRIPLE OUTLET



DOUBLE 18" RGRCP STORM DRAIN



TRIPLE 18" RGRCP STORM DRAIN

3
11.1
TRENCH DETAIL (DOUBLE/TRIPLE)
N.T.S.

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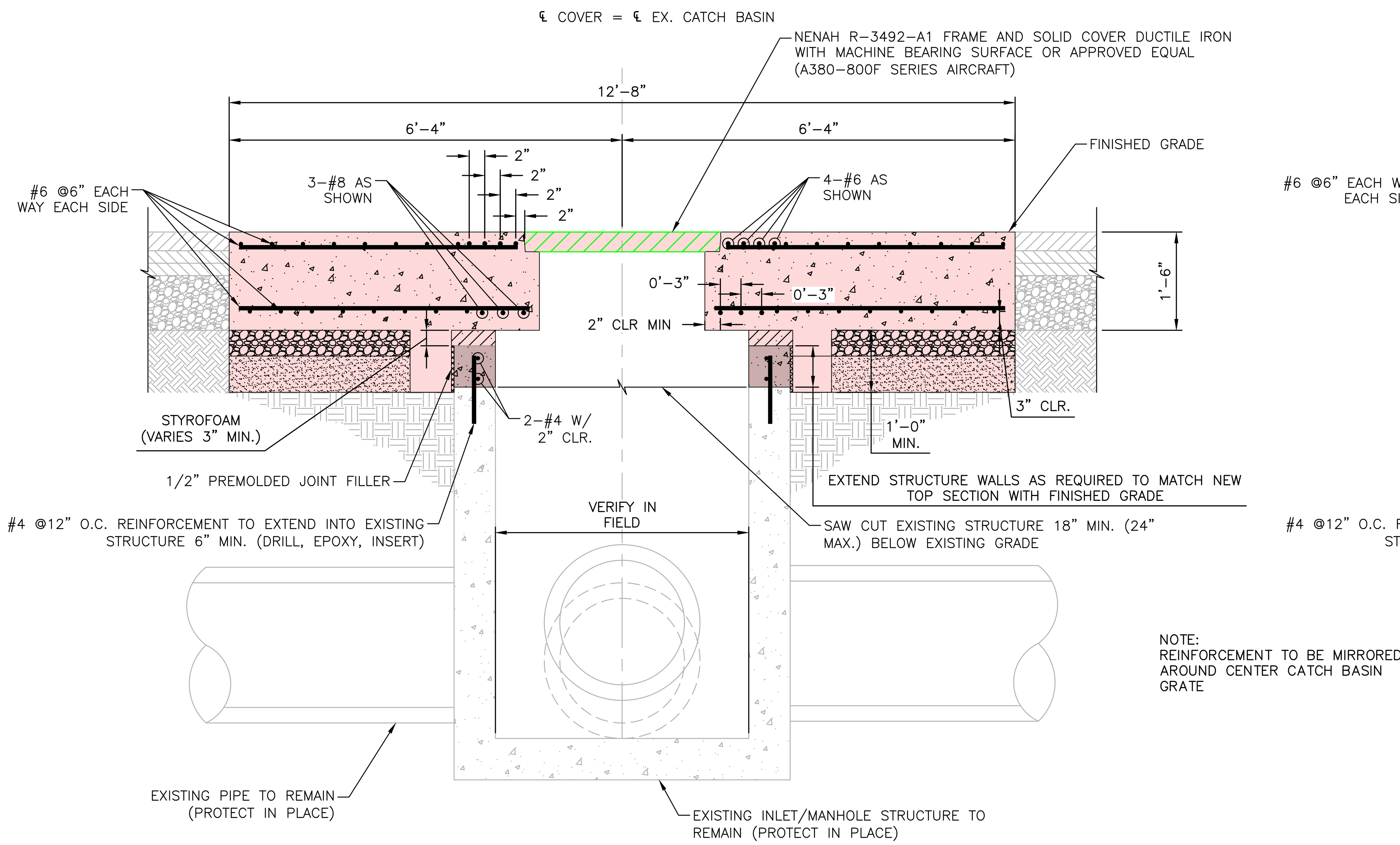
PROJECT DETAILS
SHEET 8 OF 10

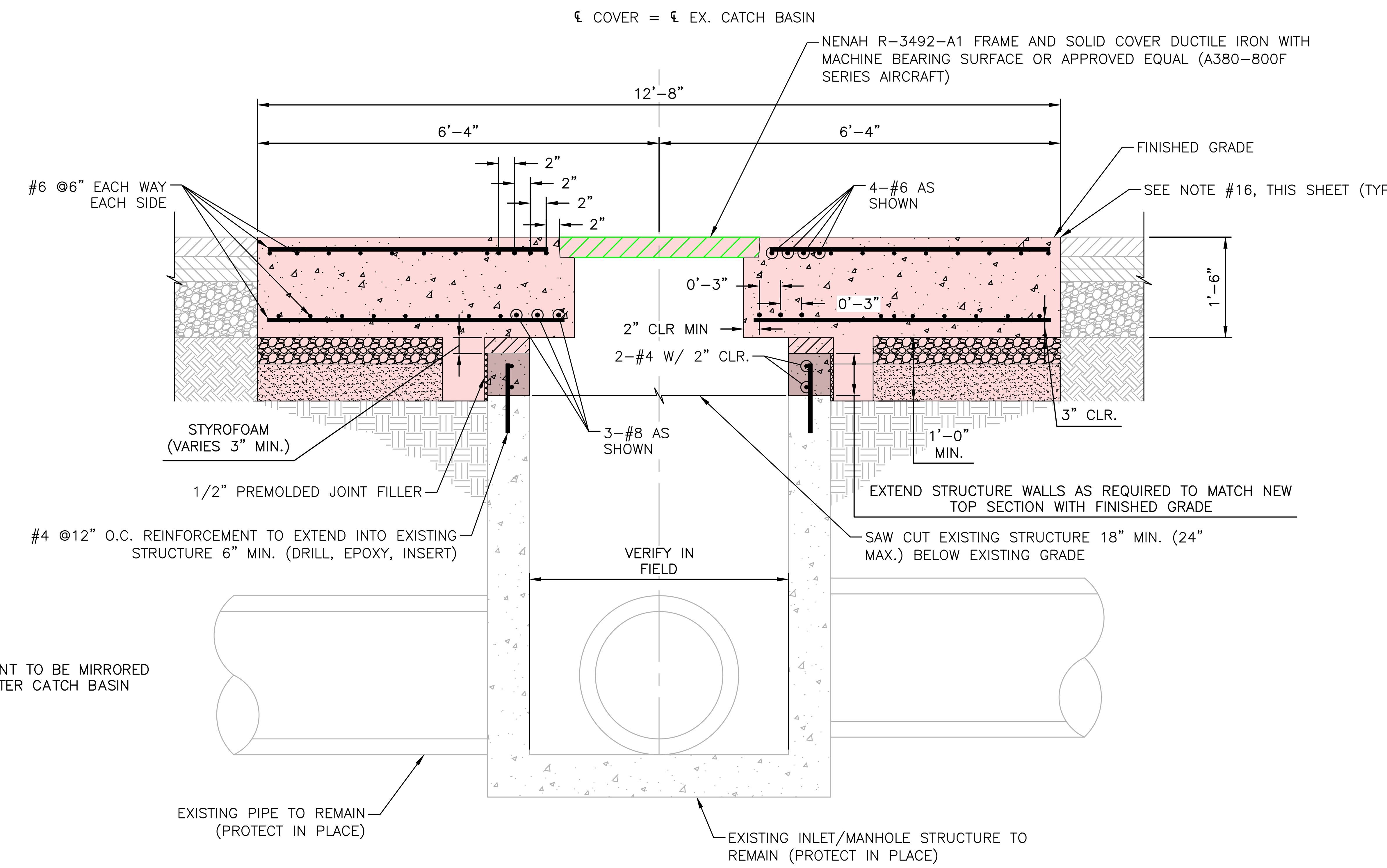
PROJECT NO. 091134073
FILE NO. 091134073 - DT

C11.8

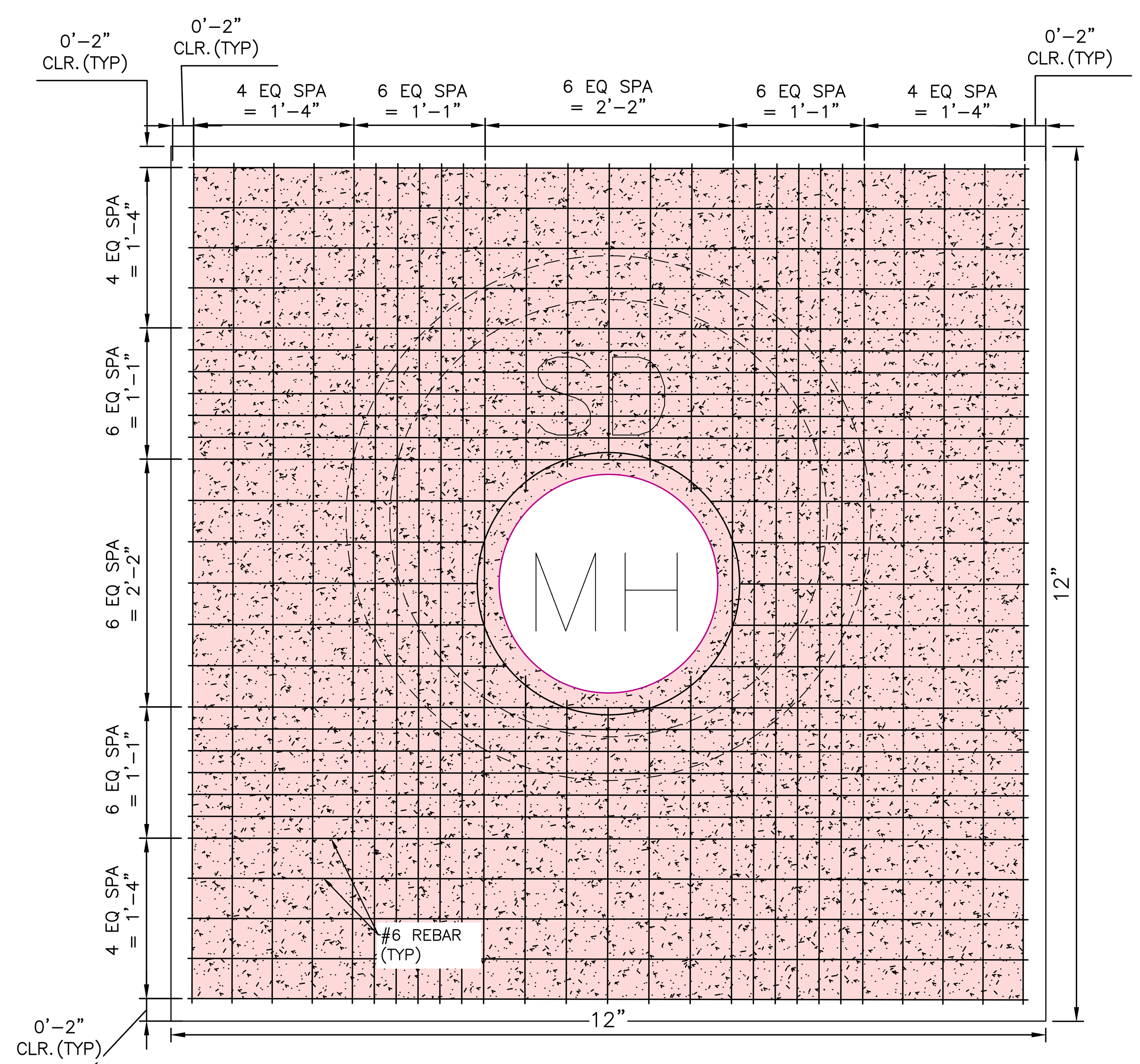
SHEET 102 of 153



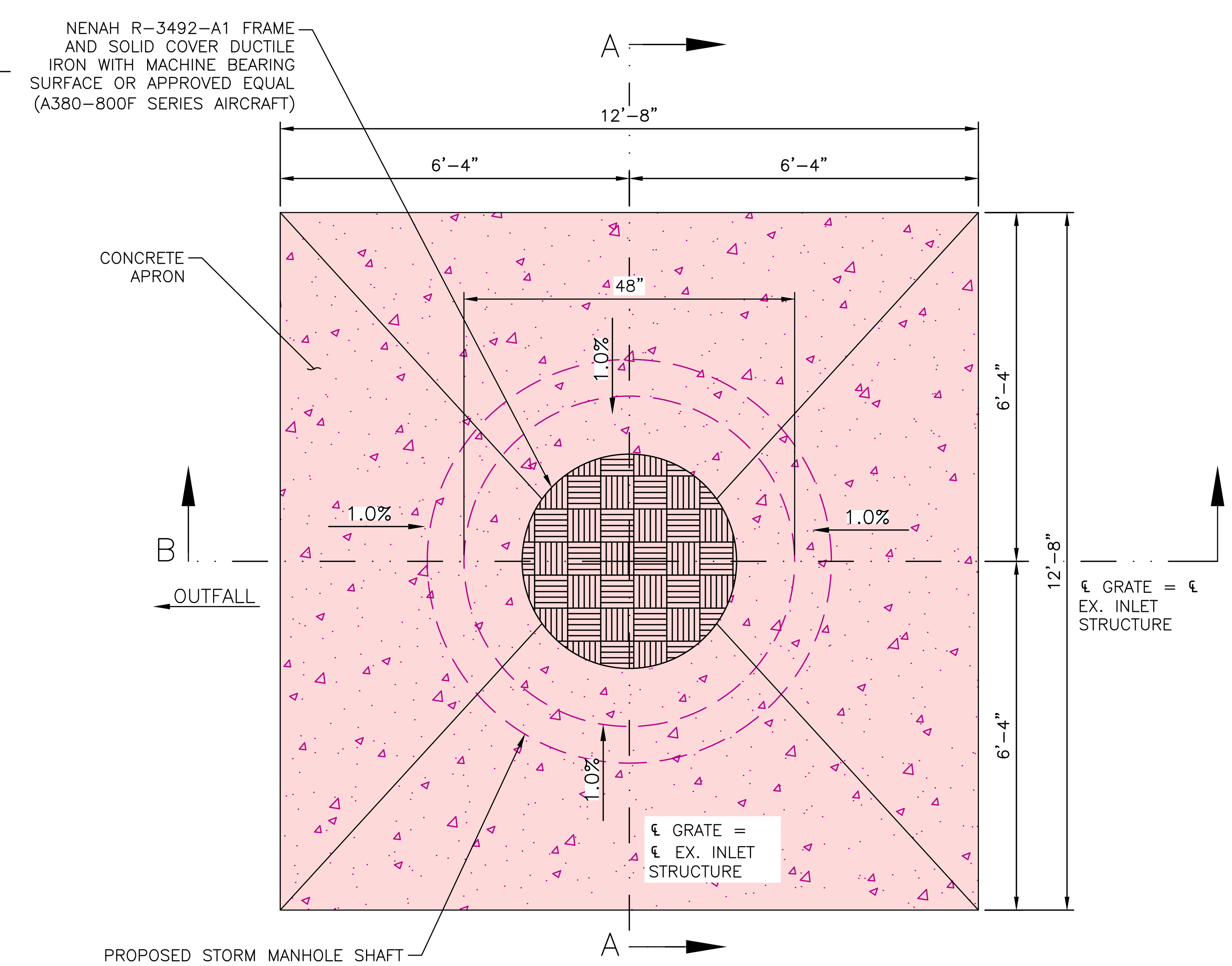
10 / 11.6 ADJUST EXISTING MANHOLE TO GRADE DETAIL - PROFILE VIEW (SECTION A-A)
N.T.S.



10 / 11.6 ADJUST EXISTING MANHOLE TO GRADE DETAIL - PROFILE VIEW (SECTION B-B)
N.T.S.



10 / 11.6 BOTTOM MAT REINFORCING PLAN



10 / 11.6 AIRCRAFT RATED STORM DRAIN ON CITY MANHOLE DETAIL - PLAN VIEW

GENERAL NOTES:

1. CONTRACTOR IS TO VERIFY DIMENSIONS OF EXISTING INLET STRUCTURES. IF EXISTING CONDITIONS ARE DIFFERENT THAN THOSE SHOWN IN THESE DETAILS, CONTRACTOR SHALL NOTIFY ENGINEER PRIOR TO INSTALLATION OF SLAB REVISION.
2. TOP SLAB SHALL BE CENTERED OVER EXISTING INLET STRUCTURE OPENING. SAW CUTTING OF THE EXISTING INLET STRUCTURE MAY BE REQUIRED FOR SETTING THE TOP SLAB AT PROPER GRADE.
3. REINFORCING BARS SHALL BE DEFORMED BARS CONFORMING TO THE REQUIREMENTS OF ASTM A615 GRADE 60. SUPPORTS AND ACCESSORIES SHALL BE FURNISHED AS SHOWN OR REQUIRED. CHAIRS PLACED AGAINST EXPOSED SURFACES SHALL BE GALVANIZED OR PROVIDED WITH PLASTIC FEET.
4. MINIMUM COVERAGE FOR REINFORCING SHALL BE THE CLEAR DISTANCE TO THE FACE OF BARS AS FOLLOWS: 2" UNLESS NOTED OTHERWISE.
5. ALL REINFORCING STEEL SHALL BE ACCURATELY POSITIONED AND ADEQUATELY TIED USING PROPER CHAIRS OR BOLSTERS AND SHALL BE INSPECTED PRIOR TO POURING CONCRETE.
6. CONCRETE SHALL CONFORM WITH FAA SPECIFICATION P-610 AND HAVE A MINIMUM 28-DAY COMPRESSIVE STRENGTH, F'c = 4000 PSI.
7. ALL CONCRETE EDGES, CORNERS, AND INTERSECTIONS SHALL BE TOOLED OR CHAMFERED NO LESS THAN ½" WHETHER SHOWN OR NOT ON THE DRAWINGS.
8. ASSUMED LIVE LOAD: A WHEEL LOAD OF 62 KIPS BASED ON AIRBUS A380-800F MODEL FOR ALL TOP SLABS. MAX BEARING PRESSURE (DEAD + LIVE) = 1500 PSF. ALLOWABLE BEARING CAPACITY OF SOILS = 2000 PSF
9. SEE GEOTECHNICAL REPORT BY LANGAN, DATED JULY 26, 2024.
10. SPLICES IN REINFORCEMENT SHALL NOT BE MADE AT OR NEAR POINTS OF MAXIMUM STRESS. SPLICES SHALL BE LAPPED NOT LESS THAN 30 BAR DIAMETERS. IN NO CASE SHALL A SPLICE BE LESS THAN 16".
11. REFER TO GRADING & DRAINAGE SHEETS FOR LOCATIONS OF INLETS AND ADDITIONAL INFORMATION.
12. REFER TO PAVING AND JOINT DETAILS SHEET FOR REINFORCED PCC PAVEMENT PANEL DETAILS AND ADDITIONAL INFORMATION.
13. LOCATION SHOWN SHALL BE CENTER OF EXISTING INLET STRUCTURE BELOW GRADE. CONTRACTOR TO VERIFY LOCATION AND NOTIFY ENGINEER OF ANY DISCREPANCIES.
14. REFER TO STORM DRAIN INLET DETAILS 3 OF 3 SHEET FOR CONCRETE AND REINFORCEMENT SPECIFICATIONS AND ADDITIONAL DETAILS.
15. CONTRACTOR TO VERIFY LOCATIONS OF EXISTING MANHOLE ACCESS STEPS INSIDE EXISTING MANHOLE AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES. PROPOSED MANHOLE OPENING TO BE LOCATED OVER EXISTING ACCESS STEPS AS SHOWN.
16. INSTALL EDGE SEAL BETWEEN STRUCTURE AND ADJACENT AC PAVEMENT SECTION OR INSTALL 1" PRE MOLDED JOINT FILLER BETWEEN STRUCTURE AND ADJACENT PCC PAVEMENT SECTION.

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TAXIWAY G REALIGNMENT
PROJECT DETAILS
SHEET 9 OF 10

PROJECT NO. 091134073
FILE NO. 091134073 - DT
C11.9

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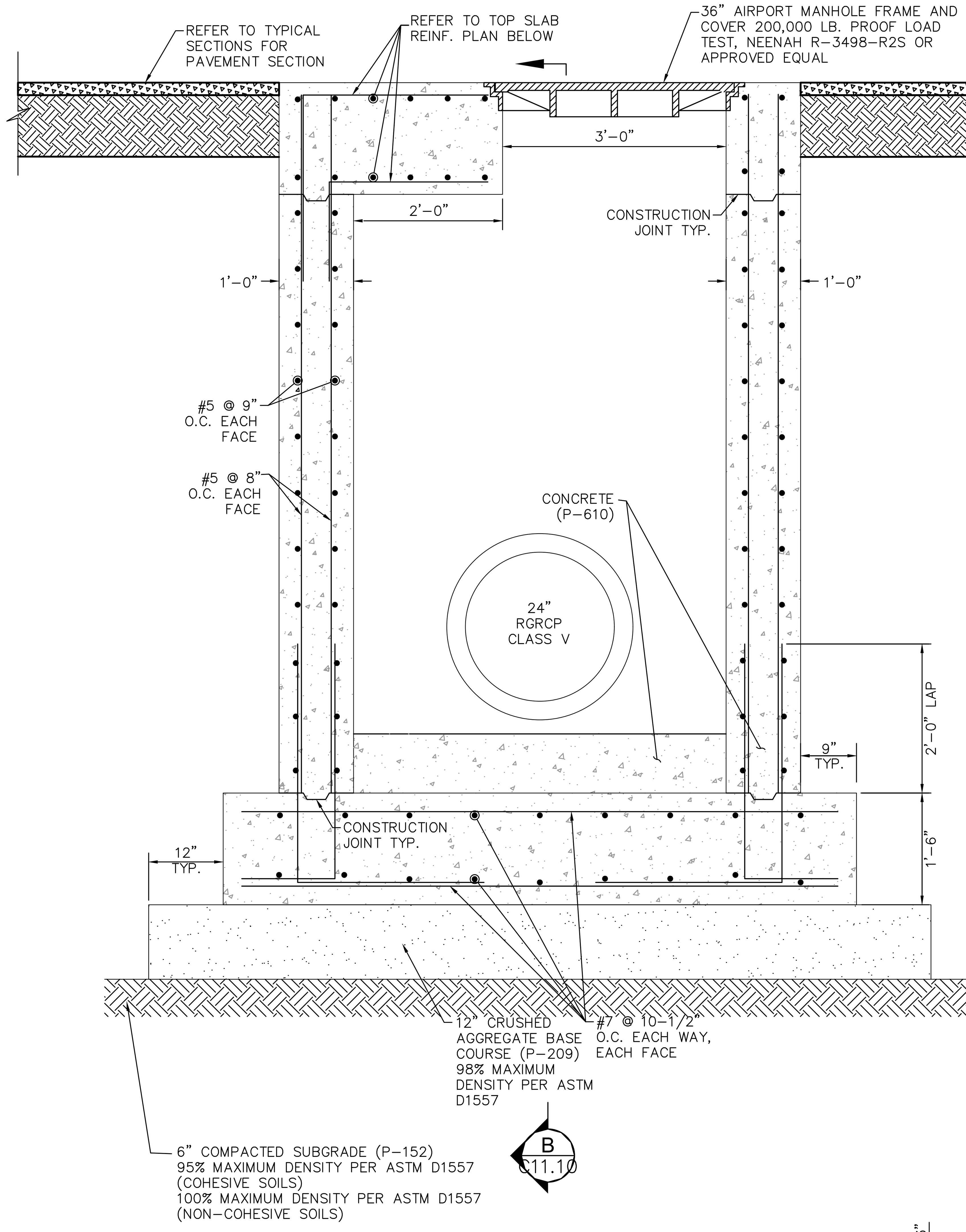

A C11.10 SECTION
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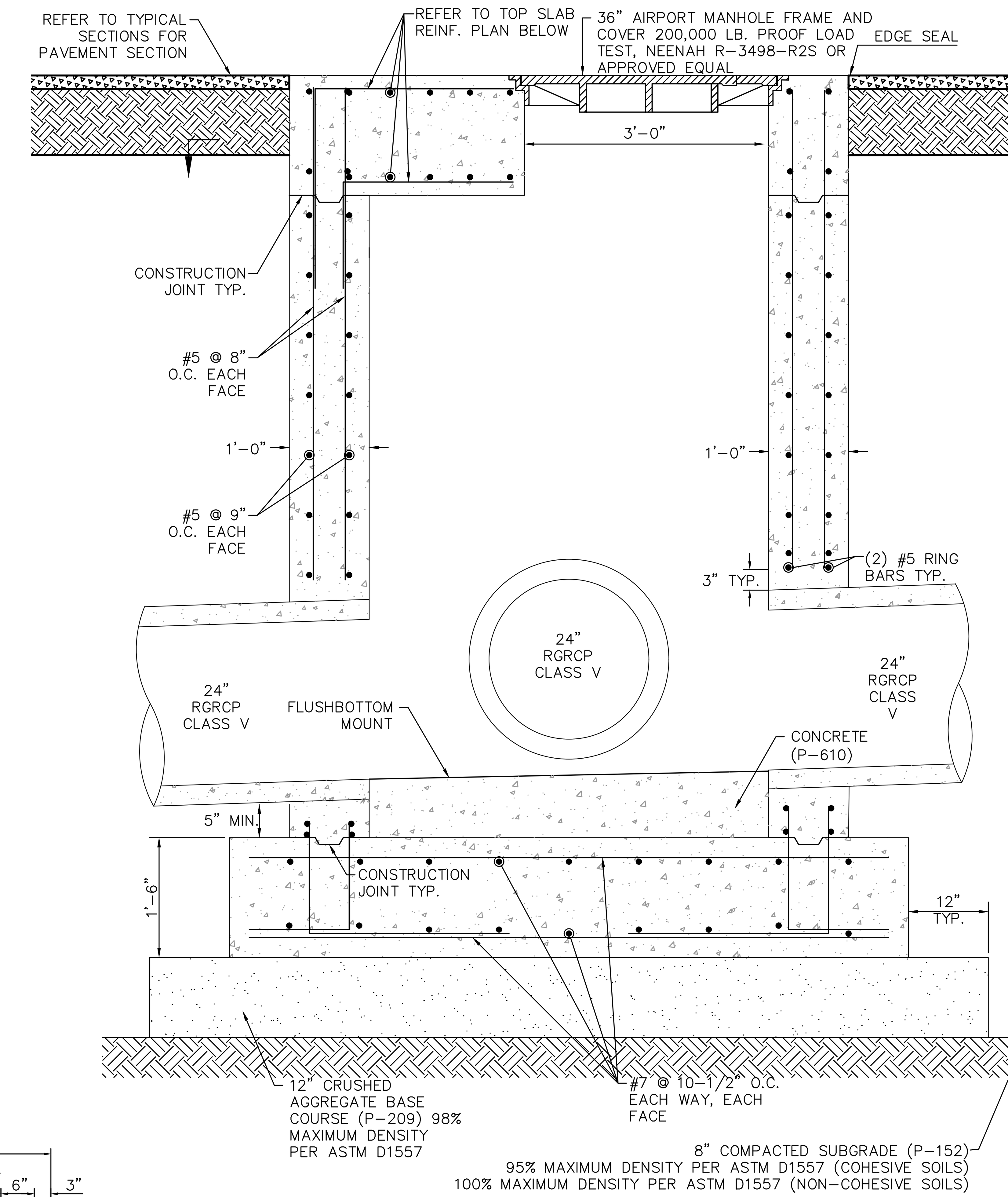

B C11.10 SECTION
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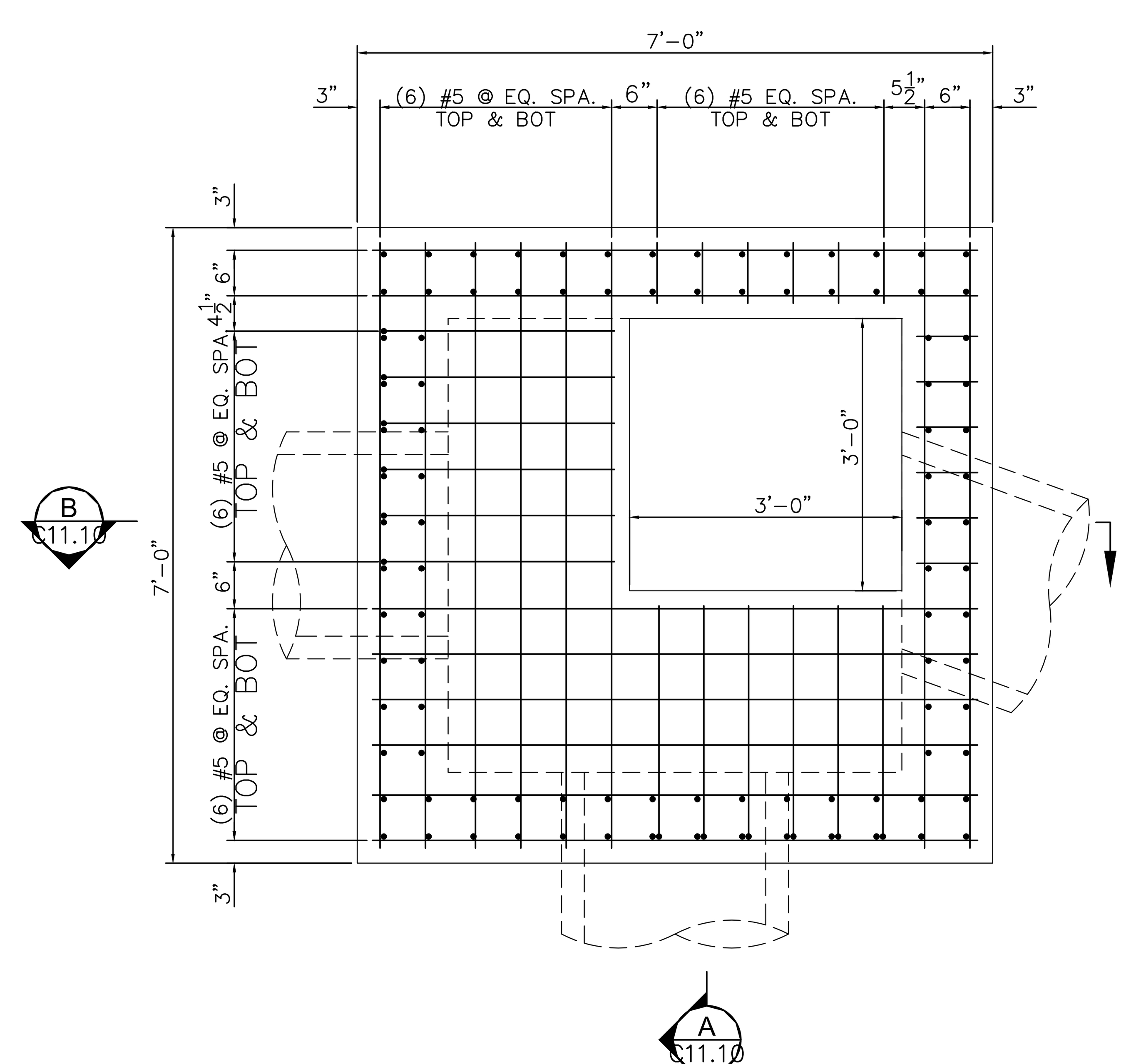

C C11.10 TOP SLAB REBINF. PLAN
N.T.S.

NOTES:

1. COMPACT EXISTING MATERIAL UNDER AND AROUND THE CATCH BASIN IN ACCORDANCE WITH SPECIFICATION NO. P-152.
2. PIPE BEDDING PER MAG SPECIFICATION 601.
3. ALL REBAR IS 2-1/2" CLEAR UNLESS NOTED OTHERWISE.
4. FORMS SHALL BE USED FOR ALL STRUCTURES, BOTH INSIDE AND OUTSIDE.
5. OUTLET PIPE SHALL BE TRIMMED BY SAWCUTTING TO FINAL SHAPE AND LENGTH BEFORE CONCRETE IS POURED.
6. BOTTOM OF BOX TO BE SLOPED TO OUTLET PIPE FROM ALL DIRECTIONS AND TROWELLED TO A HARD SMOOTH SURFACE.
7. ALL STRUCTURAL STEEL FOR INLET GRATES TO BE GALVANIZED.
8. ALL WELDS ON THE FRAME AND SIDE BARS ON GRATE SHALL BE FULL LENGTH OF JOINT, AND IN ACCORDANCE WITH A.W.S. SPECIFICATIONS.

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SHEET 10 OF 10

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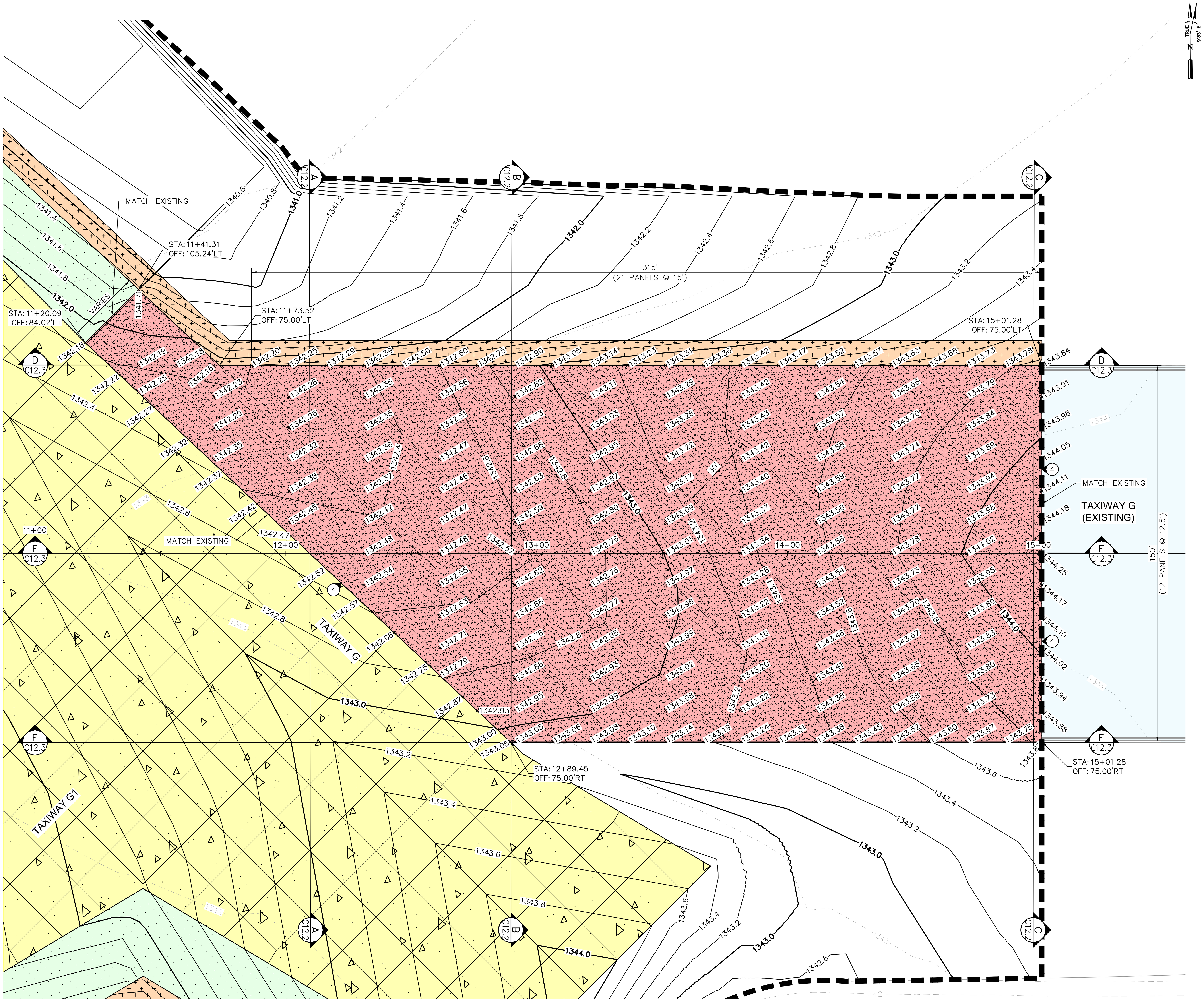


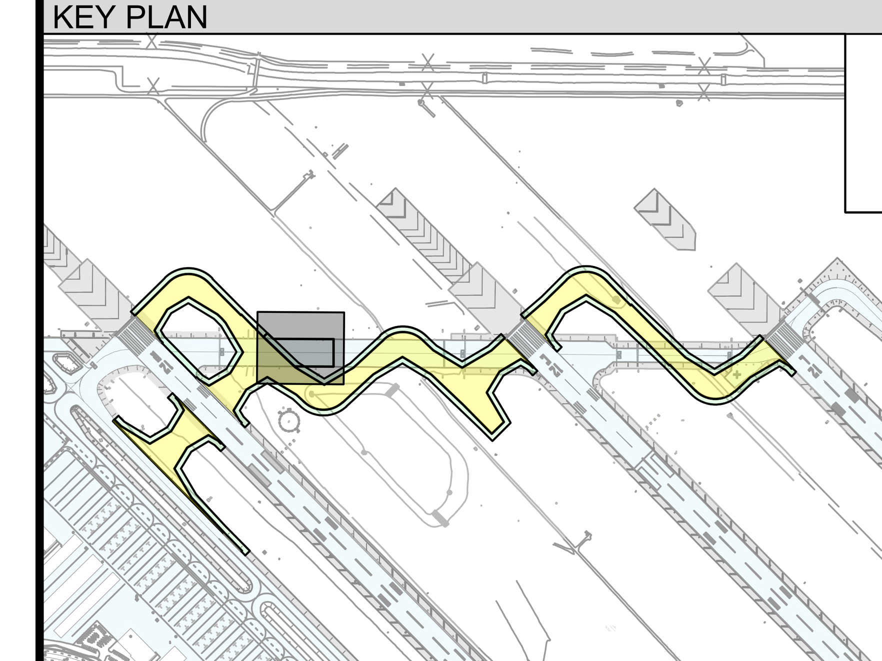
LEGEND

- PORTLAND CEMENT CONCRETE PAVEMENT (P-501)
- AC PAVEMENT SHOULDER (P-403)
- TEMPORARY ASPHALT PAVEMENT (P-401)
- (4) PAVEMENT EDGE SEAL, REFER TO SHEET C9.9 FOR PAVEMENT JOINT DETAILS
- +XXXX.XX PROPOSED SPOT ELEVATION
- +(XXXX.XX) MATCH EXISTING SPOT ELEVATION
- 1350 EXISTING CONTOUR
- 1350 PROPOSED CONTOUR
- GRADING LIMITS

GENERAL NOTES:

1. REFER TO C1.5 FOR HORIZONTAL AND VERTICAL CONTROL.
2. SPOT ELEVATIONS SHOWN ARE BASED ON EXISTING JOINT LAYOUT.
3. CONTRACTOR SHALL MATCH EXISTING PAVEMENT ELEVATIONS AS SHOWN ON PLAN. IF EXISTING ELEVATIONS DIFFER FROM THOSE SHOWN, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY.

KEY PLAN



GRAPHIC SCALE

20 0 10 20 40

(IN FEET)

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FIRM'S SEAL

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Horiz. 1" = 20'
Vert. —

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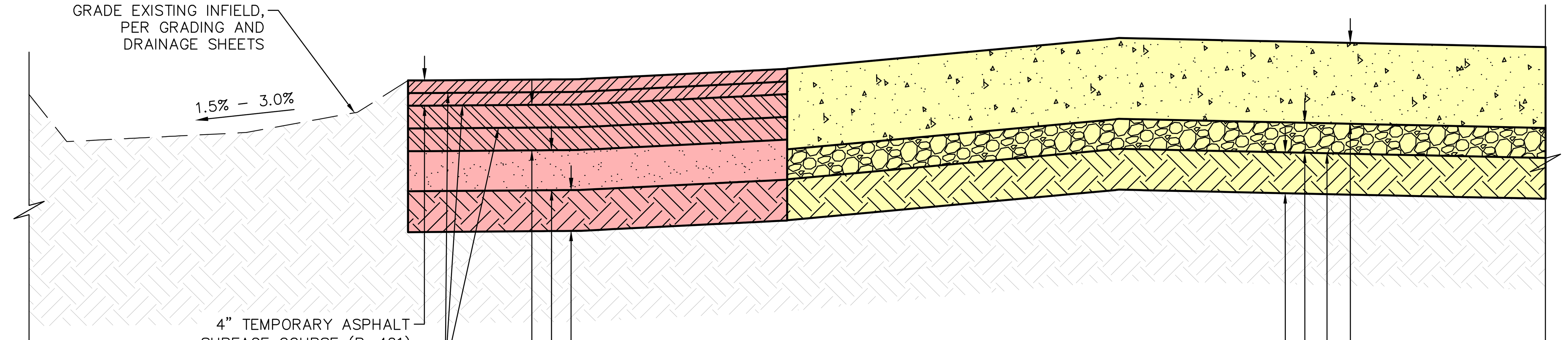
PHASE 1 TEMPORARY TRANSITION
SHEET 1 OF 3

PROJECT NO. 091134073
FILE NO. 091134073 - Phase 1 Transition

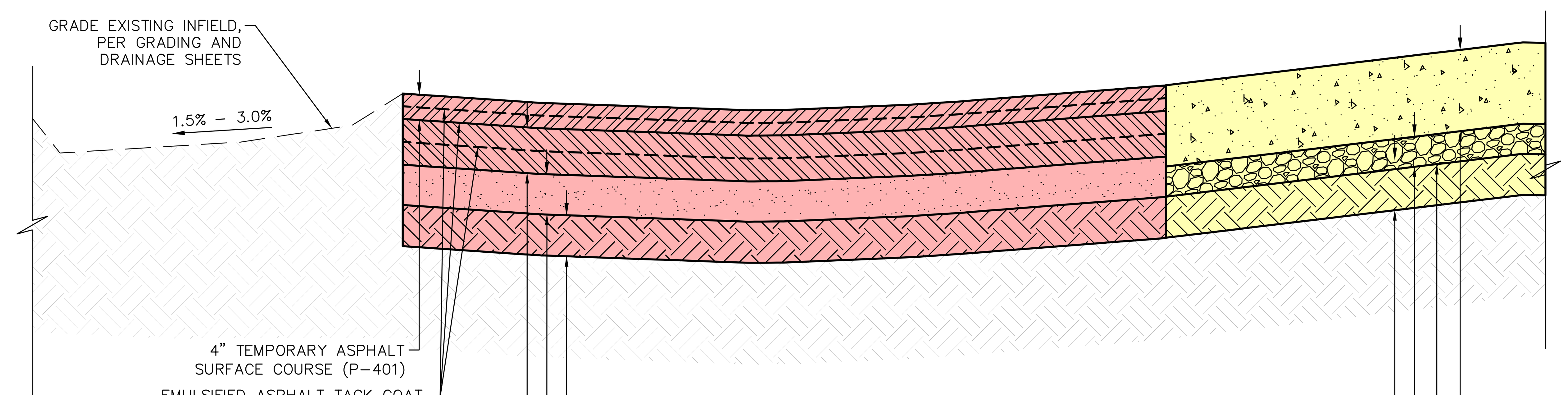
C12.1

SHEET 105 of 153

NOTE:
TYPICAL SECTIONS UNDER DEVELOPMENT



A-A C12.2 TYPICAL SECTION
N.T.S.



B-B C12.2 TYPICAL SECTION
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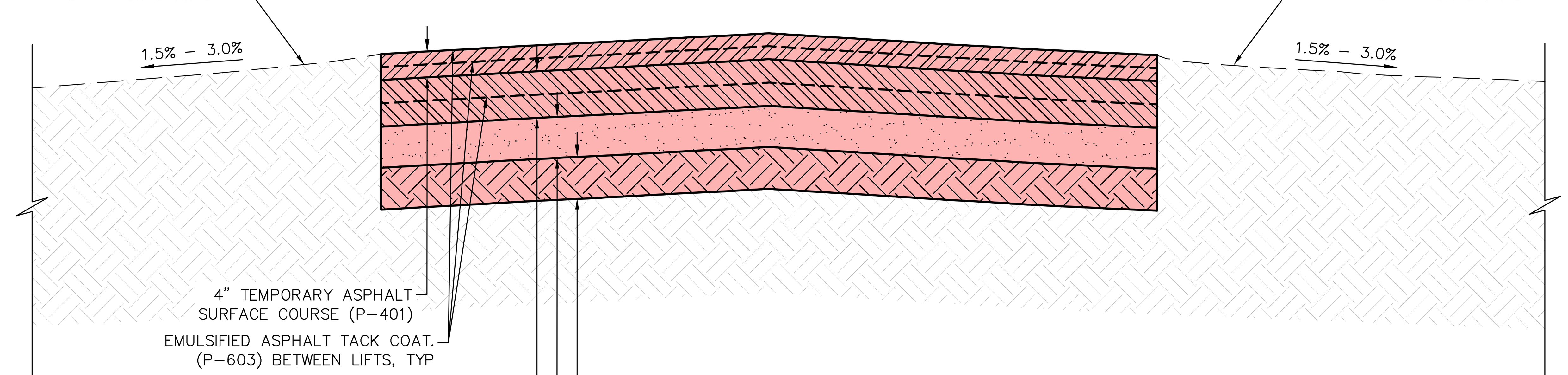

C-C C12.2 TYPICAL SECTION
N.T.S.

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NO.	REVISION	BY	DATE

FIRM'S NAME: Kimley»Horn
KIMLEY-HORN AND ASSOCIATES, INC.
2046 Riverview Auto Dr., SUITE 400
Mesa, Arizona 85210 (480) 207-2666

FIRM'S SEAL

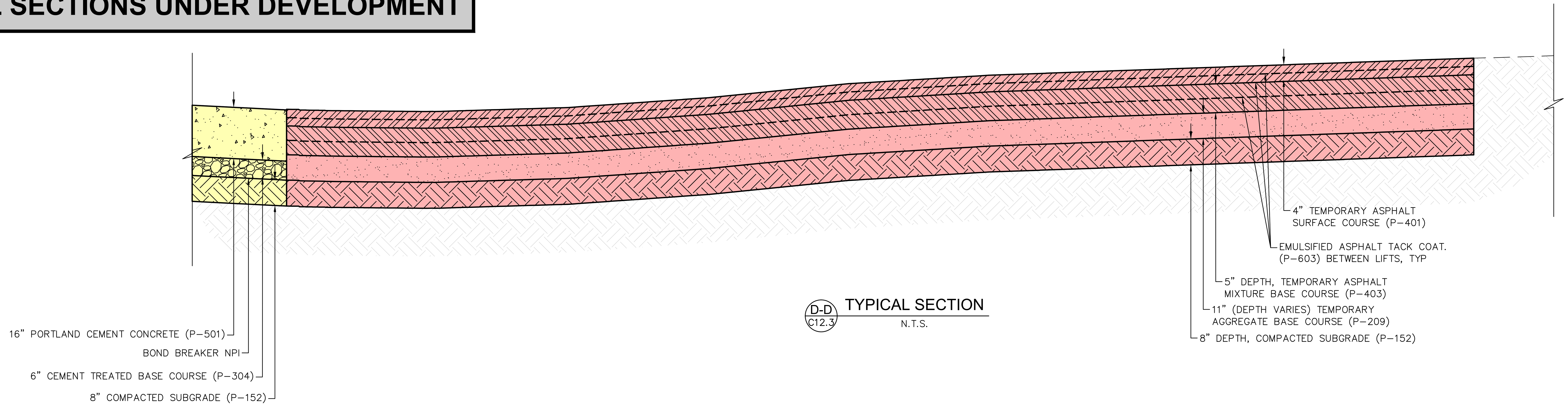
SCALE
Horiz.
Vert.
Date 11/26/2025
Designed by JMM
Drawn by BPN
Checked by NCW
Approved by JMM

Mesa Gateway Airport
MESA GATEWAY AIRPORT AUTHORITY
5835 SOUTH SOSSAMAN ROAD
MESA, ARIZONA 85212
(480) 988-7600
GATEWAYAIRPORT.COM

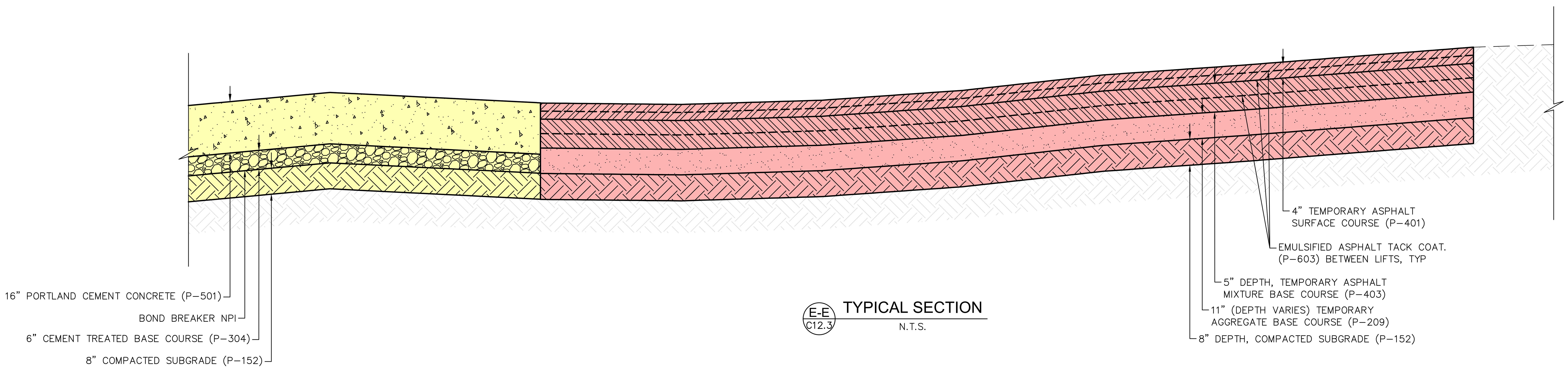
PROJECT NAME
MESA GATEWAY AIRPORT
TAXIWAY G REALIGNMENT
PHASE 1 TEMPORARY TRANSITION
SHEET 2 OF 3

PROJECT NO. 091134073
FILE NO. 091134073 - TEMP - TS
C12.2

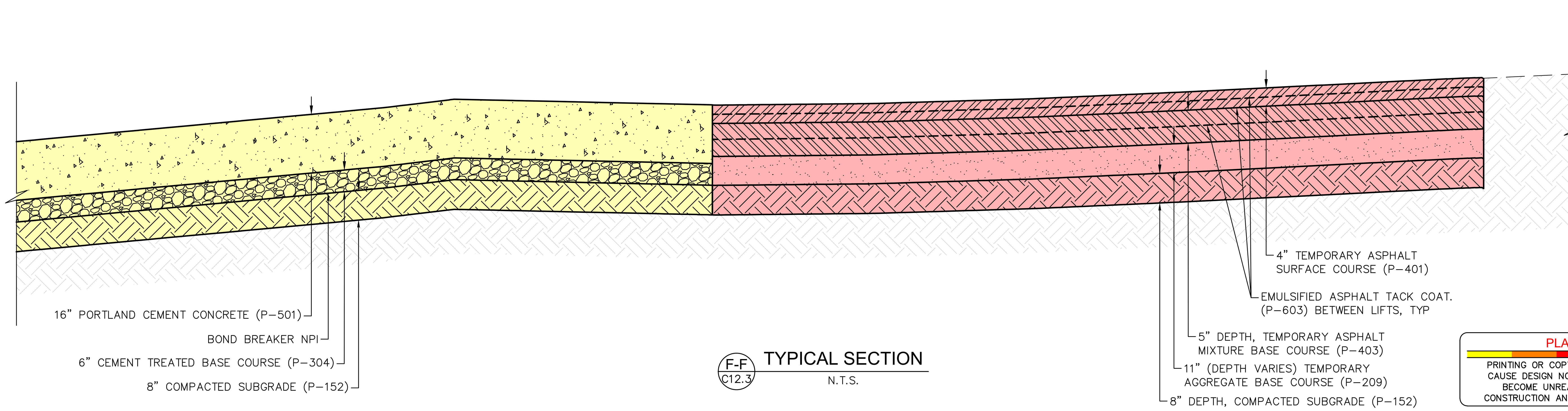
NOTE:
TYPICAL SECTIONS UNDER DEVELOPMENT



D-D / C12.3 TYPICAL SECTION
N.T.S.



E-E / C12.3 TYPICAL SECTION
N.T.S.



F-F / C12.3 TYPICAL SECTION
N.T.S.

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FIRM'S SEAL

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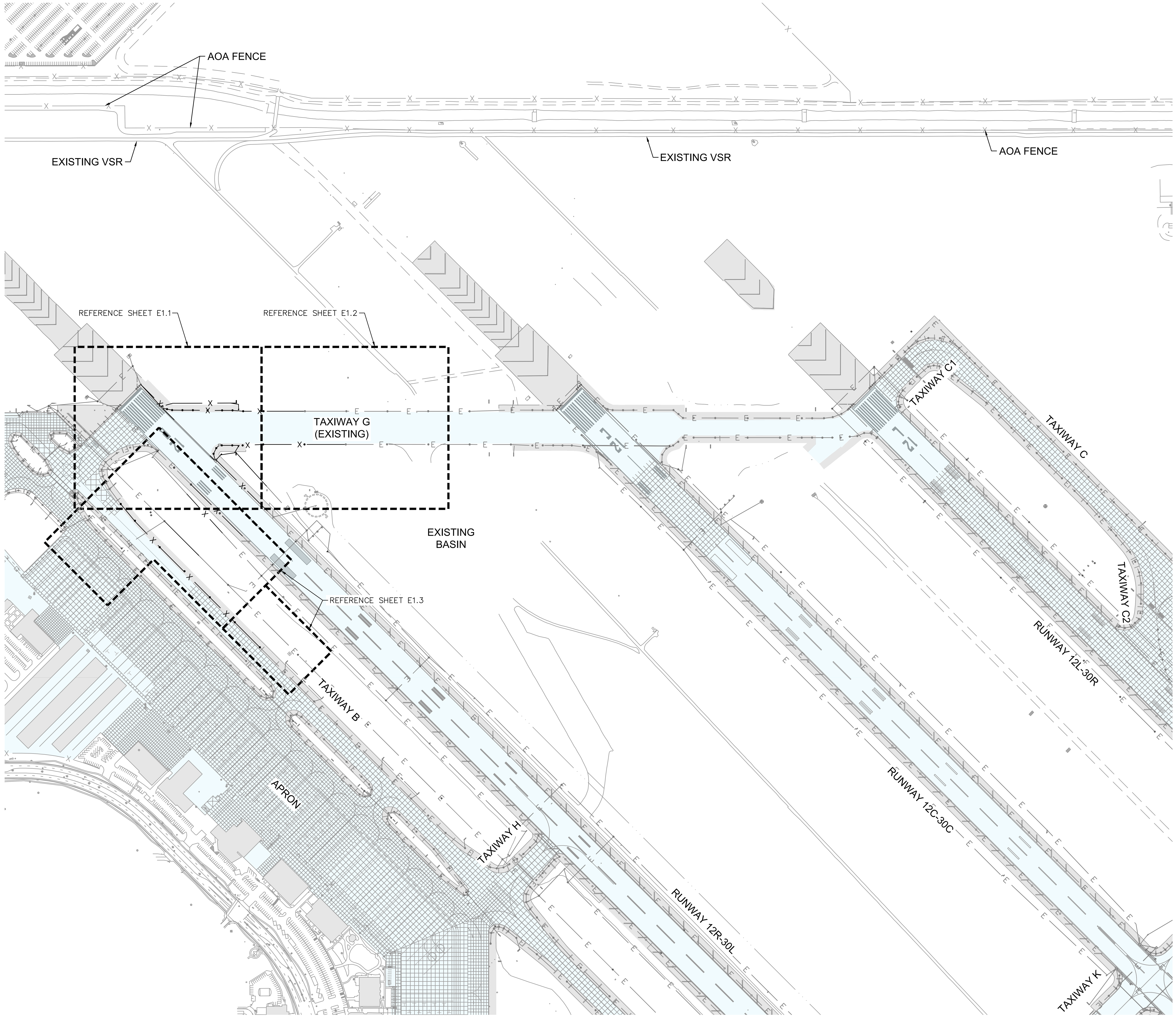
PROJECT NAME
MESA GATEWAY AIRPORT
TAXIWAY G REALIGNMENT
PHASE 1 TEMPORARY TRANSITION
SHEET 3 OF 3

PROJECT NO. 091134073
FILE NO. 091134073 - TEMP - TS
C12.3
SHEET 107 of 153



LEGEND

- GRADING LIMITS
- ELECTRICAL CONDUIT TO REMAIN
- ELECTRICAL DUCTBANK TO REMAIN
- ELECTRICAL CONDUIT TO BE REMOVED
- ELECTRICAL DUCTBANK TO BE REMOVED
- TAXIWAY EDGE LIGHT TO REMAIN
- TAXIWAY EDGE LIGHT TO BE REMOVED
- ELEVATED RUNWAY EDGE LIGHT TO BE REMAIN
- ELEVATED RUNWAY EDGE LIGHT TO BE REMOVED
- SEMI-FLUSH RUNWAY EDGE LIGHT TO REMAIN
- SEMI-FLUSH RUNWAY EDGE LIGHT TO BE REMOVED
- EXISTING BASE CAN TO REMAIN
- HANDHOLE OR MANHOLE TO REMAIN
- HANDHOLE OR MANHOLE TO BE REMOVED
- AIRFIELD GUIDANCE SIGN TO BE REMAIN
- AIRFIELD GUIDANCE SIGN TO BE REMOVED
- RUNWAY GUARD LIGHTS TO BE REMOVED

4-2 / CE — R1S, RGL, R1S, TWY G — CIRCUITS IN DUCTBANK
DUCT INSTALLATION METHOD
DUCT CONFIGURATION (QTY – TRADE SIZE)

GENERAL NOTES:

1. EXISTING ELECTRICAL INFORMATION SHOWN ON THE PLANS CONCERNING THE TYPE, SIZE AND LOCATION WERE COMPILED BASED ON THE BEST AVAILABLE RECORDS TO THE ENGINEER. THE CONTRACTOR SHALL VERIFY EXISTING CONDITIONS PRIOR TO CONSTRUCTION. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT ALL EXISTING ELECTRICAL FACILITIES IN PLACE UNLESS NOTED OR SPECIFIED OTHERWISE. ANY DAMAGE TO EXISTING ELECTRICAL FACILITIES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
2. THE ATTEMPT TO IDENTIFY ALL MISCELLANEOUS ELECTRICAL FACILITIES HAS BEEN MADE. IN THE CASE WHERE ANY ELECTRICAL FACILITIES HAVE BEEN OMITTED, THE CONTRACTOR SHALL REMOVE THE ITEMS WITH COST BEING INCIDENTAL.
3. REFER TO C1.4 FOR PROJECT LAYOUT PLAN AND C1.5 FOR HORIZONTAL CONTROL.
4. REFER TO CIVIL DEMOLITION PLANS FOR DEMOLITION LIMITS.
5. DISCONNECT EXISTING CONDUCTORS AT FIRST ELEMENT (FIXTURE, HANDHOLE, SIGN) TO BE REMOVED. PULL BACK EXISTING CABLE TO THE FIRST EXISTING ELEMENT ADJACENT TO LIMIT OF CONSTRUCTION TO REMAIN. RE-INSTALL CONDUCTORS AFTER NEW CONDUIT IS CONNECTED TO EXISTING CONDUITS AT LIMITS OF CONSTRUCTION.

ELECTRICAL ABBREVIATIONS:

ALV	AIRFIELD LIGHTING VAULT
ATCT	AIR TRAFFIC CONTROL TOWER
BC	BARE COPPER
CCR	CONSTANT CURRENT REGULATOR
C, CNDT	CONDUIT
CKT	CIRCUIT
C.E.	CONCRETE ENCASED
D.B.	DIRECT BURIED
(E)	EXISTING
FAA	FEDERAL AVIATION ADMINISTRATION
HIRL	HIGH INTENSITY RUNWAY LIGHT
ILS	INSTRUMENT LANDING SYSTEM
LOC	LOCALIZER
LT	OFFSET LEFT OF CENTERLINE
MIRL	MEDIUM INTENSITY RUNWAY LIGHT
MITL	MEDIUM INTENSITY TAXIWAY LIGHT
(N)	NEW/PROPOSED
OFF	OFFSET FROM CENTERLINE
PAPI	PRECISION APPROACH PATH INDICATOR
PCC	PORTLAND CEMENT CONCRETE
P.O.C.	POINT OF CONNECTION
PVC	POLYVINYL CHLORIDE (CONDUIT)
RDR	RUNWAY DISTANCE REMAINING
REIL	RUNWAY END IDENTIFIER LIGHT
RGL	RUNWAY GUARD LIGHT
RWY	RUNWAY
STA	STATION VALUE OF CENTERLINE
TWY	TAXIWAY
XFMR	TRANSFORMER

GRAPHIC SCALE
250 0 125 250 500
(IN FEET)

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FIRM'S SEAL

SCALE
Horiz. 1" = 250'
Vert.
Date 11/26/2025
Designed by JPT
Drawn by JPT
Checked by DJC
Approved by JDB

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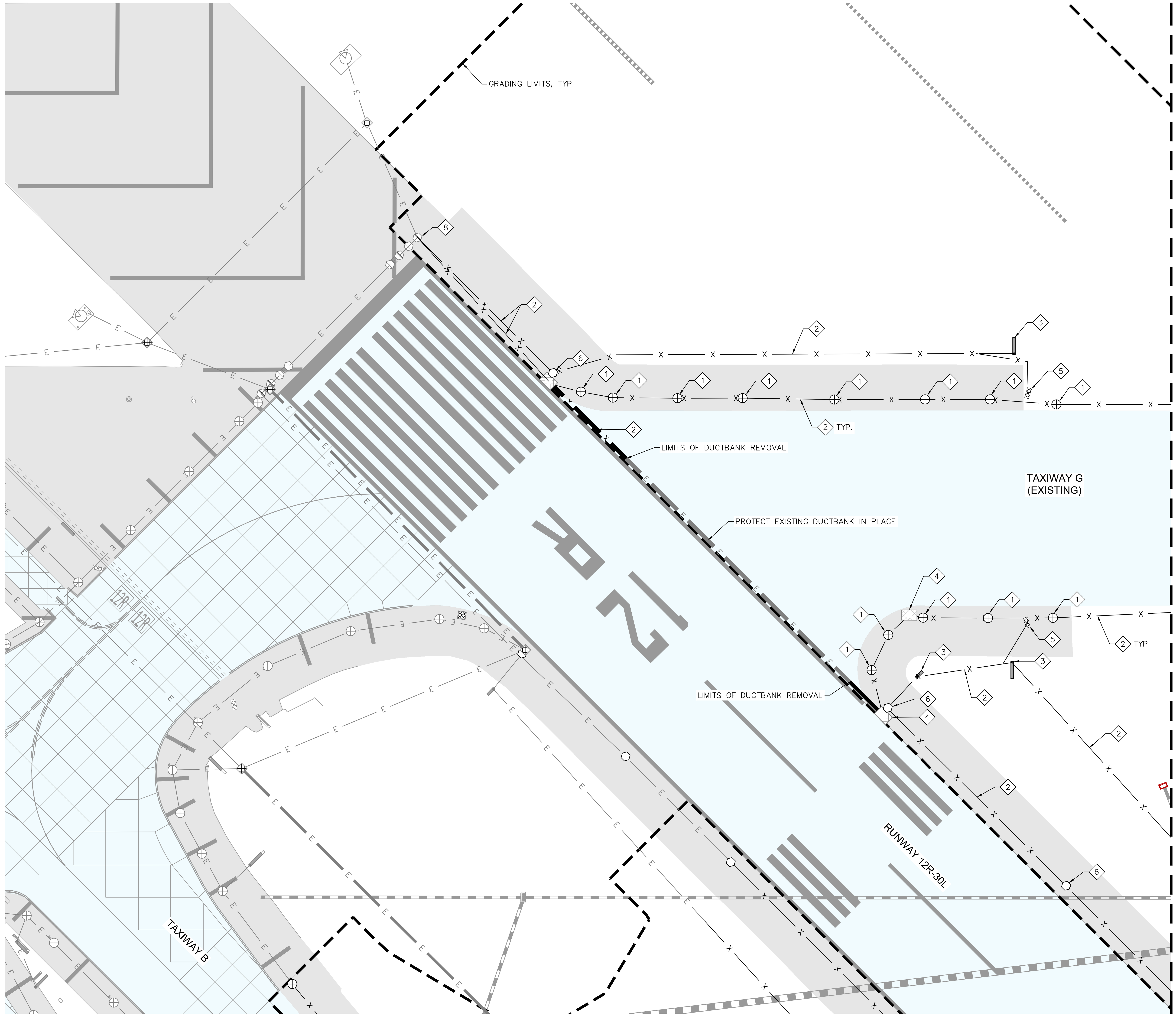
PROJECT NAME
MESA GATEWAY AIRPORT
TAXIWAY G REALIGNMENT

ELECTRICAL DEMOLITION KEY MAP - PHASE 1
SHEET 1 OF 1

PROJECT NO. 091134073
FILE NO. 091134073 - ED00 (Phase 1)
E1.0



PHASE 1 DEMOLITION NOTES:

1. REMOVE EXISTING TAXIWAY EDGE LIGHT, ISOLATION XFMR, CABLING, AND BASE CAN.
2. REMOVE CONDUIT/DUCT AND AIRFIELD CABLING TO LIMITS OF DEMOLITION AS SHOWN. FOR CIRCUITS THAT ARE TO REMAIN ACTIVE DURING CONSTRUCTION, PULL CABLE BACK TO NEAREST JUNCTION POINT TO REMAIN AND INSTALL TEMPORARY CIRCUIT JUMPERS AS REQUIRED. SEE EXISTING CONDITIONS CIRCUIT MAPS FOR EXISTING CIRCUIT ROUTING.
3. REMOVE EXISTING AIRFIELD GUIDANCE SIGN AND FOUNDATION.
4. REMOVE EXISTING HANDHOLE.
5. REMOVE EXISTING ELEVATED RGL AND ASSOCIATED BASE CANS AND CABLING. SALVAGE THE RGL FOR REINSTALLATION ON NEW BASE.
6. REMOVE EXISTING ELEVATED MIRL EDGE LIGHT, ISOLATION XFMR, CABLING, AND BASE CAN. SALVAGE LIGHT FIXTURE FOR REINSTALLATION ON NEW BASE CAN.
8. PROTECT EXISTING RUNWAY EDGE/END LIGHT IN PLACE.

GENERAL NOTES:

1. SALVAGE ALL LED LIGHT FIXTURES NOT TO BE REINSTALLED IN THIS PROJECT TO THE AIRPORT. (7) L-861(L) MIRL LIGHT FIXTURES WILL BE REMOVED IN PHASE 1. (4) L-861(L) MIRL LIGHT FIXTURES ARE TO BE REINSTALLED ON NEW L-867 BASE CANS. CONTRACTOR TO SALAVEG THE REMAINING (3) L-861(L) LIGHT FIXTURES TO THE AIRPORT.

GRAPHIC SCALE

40 0 20 40 80

(IN FEET)

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FIRM'S SEAL

SCALE
Horiz. 1" = 40'
Vert.

Date 11/26/2025
Designed by JPT
Drawn by JPT
Checked by DJC
Approved by JDB

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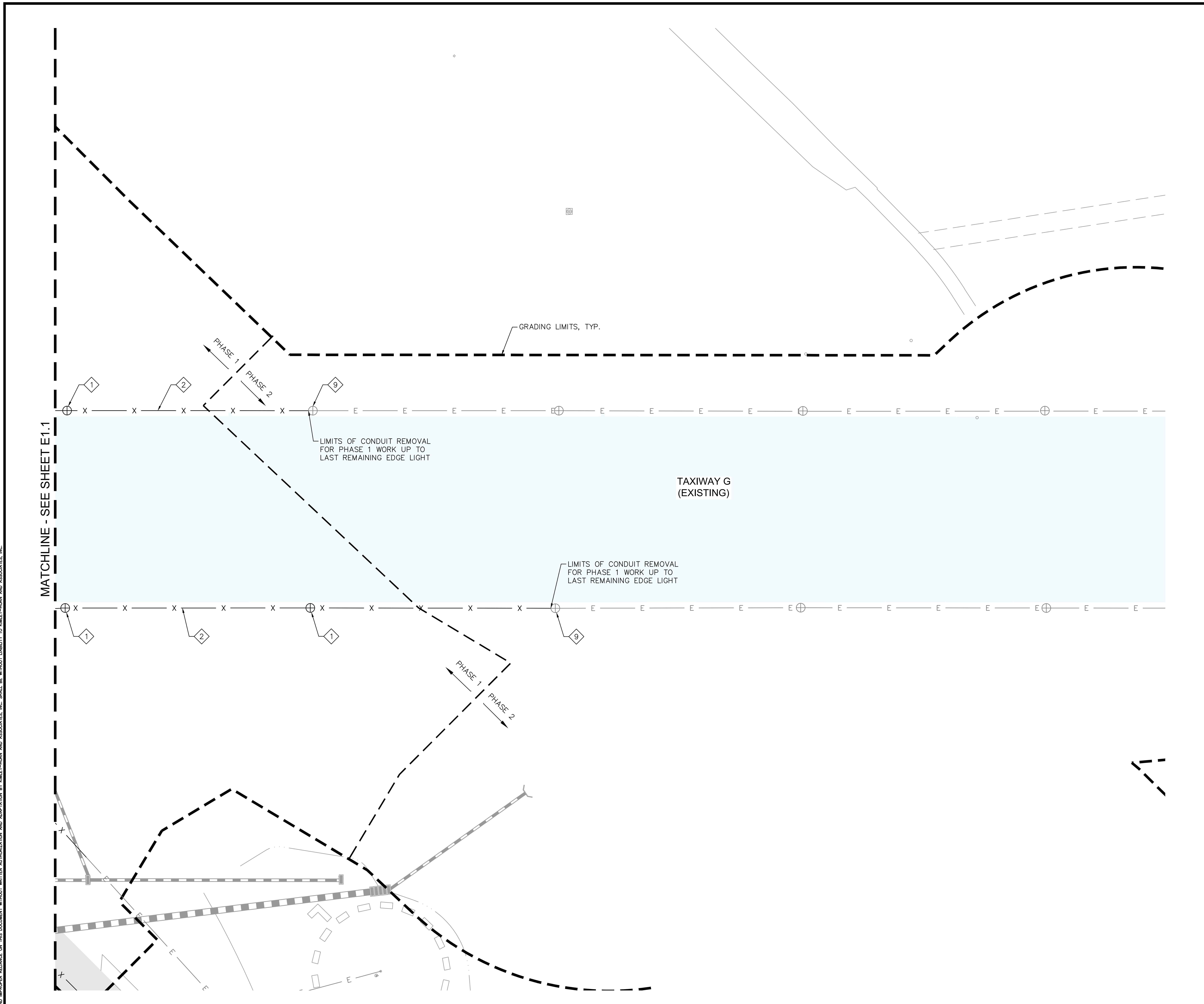
PROJECT NAME
MESA GATEWAY AIRPORT
TAXIWAY G REALIGNMENT

PHASE 1 ELECTRICAL DEMOLITION PLAN
SHEET 1 OF 3

PROJECT NO. 091134073
FILE NO. 091134073 - ED01 (Phase 1)

E1.1



PHASE 1 DEMOLITION NOTES:

1. REMOVE EXISTING TAXIWAY EDGE LIGHT, ISOLATION XFMR, CABLING, AND BASE CAN.
2. REMOVE CONDUIT/DUCT AND AIRFIELD CABLING TO LIMITS OF DEMOLITION AS SHOWN. FOR CIRCUITS THAT ARE TO REMAIN ACTIVE DURING CONSTRUCTION, PULL CABLE BACK TO NEAREST JUNCTION POINT TO REMAIN AND INSTALL TEMPORARY CIRCUIT JUMPERS AS REQUIRED. SEE EXISTING CONDITIONS CIRCUIT MAPS FOR EXISTING CIRCUIT ROUTING.
9. PROTECT EXISTING TAXIWAY EDGE LIGHT IN PLACE.

GENERAL NOTES:

1. SALVAGE ALL LED LIGHT FIXTURES NOT TO BE REINSTALLED IN THIS PROJECT TO THE AIRPORT. (7) L-861(L) MIRL LIGHT FIXTURES WILL BE REMOVED IN PHASE 1. (4) L-861(L) MIRL LIGHT FIXTURES ARE TO BE REINSTALLED ON NEW L-867 BASE CANS. CONTRACTOR TO SALAVEG THE REMAINING (3) L-861(L) LIGHT FIXTURES TO THE AIRPORT.

GRAPHIC SCALE

40 0 20 40 80

(IN FEET)

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PROJECT NAME

MESA GATEWAY AIRPORT
TAXIWAY G REALIGNMENT

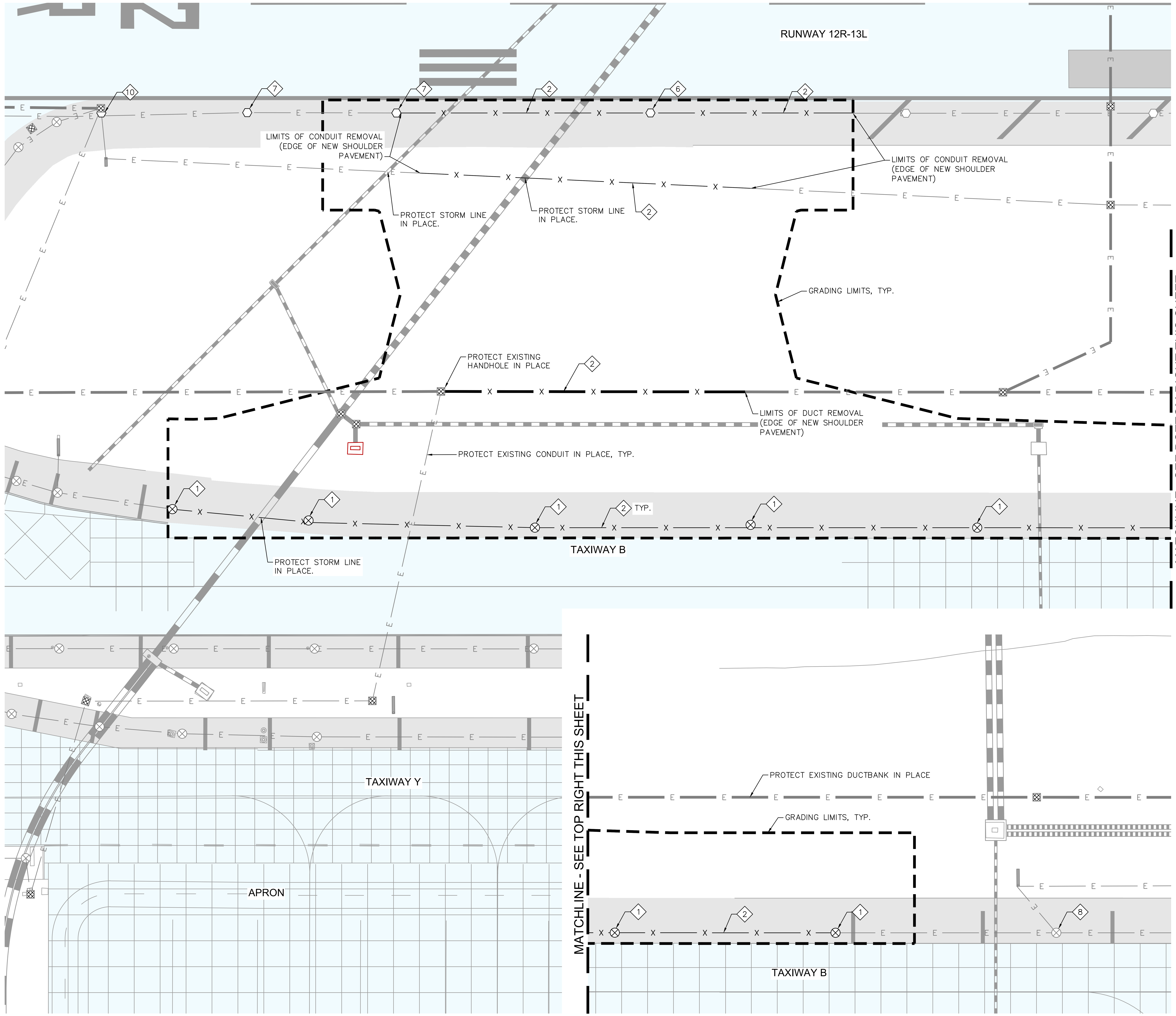
PHASE 1 ELECTRICAL DEMOLITION PLAN

SHEET 2 OF 3

PROJECT NO. 091134073

FILE NO. 091134073 - ED01 (Phase 1)

E1.2



PHASE 1 DEMOLITION NOTES:

1. REMOVE EXISTING TAXIWAY EDGE LIGHT, ISOLATION XFMR, CABLING, AND BASE CAN.
2. REMOVE CONDUIT/DUCT AND AIRFIELD CABLING TO LIMITS OF DEMOLITION AS SHOWN. FOR CIRCUITS THAT ARE TO REMAIN ACTIVE DURING CONSTRUCTION, PULL CABLE BACK TO NEAREST JUNCTION POINT TO REMAIN AND INSTALL TEMPORARY CIRCUIT JUMPERS AS REQUIRED. SEE EXISTING CONDITIONS CIRCUIT MAPS FOR EXISTING CIRCUIT ROUTING.
6. REMOVE EXISTING ELEVATED MIRL EDGE LIGHT, ISOLATION XFMR, CABLING, AND BASE CAN. SALVAGE LIGHT FIXTURE FOR REINSTALLATION ON NEW BASE CAN.
7. REMOVE EXISTING ELEVATED MIRL EDGE LIGHT, ISOLATION XFMR, CABLING, AND BASE CAN. SALVAGE LIGHT FIXTURE TO THE AIRPORT.
8. PROTECT EXISTING RUNWAY EDGE/END LIGHT IN PLACE.
10. REMOVE EXISTING ELEVATED MIRL EDGE LIGHT, ISOLATION XFMR AND CABLING. SALVAGE LIGHT FIXTURE TO THE AIRPORT. INSTALL BLANK STEEL COVER ON EXISTING BASE CAN.

GENERAL NOTES:

1. SALVAGE ALL LED LIGHT FIXTURES NOT TO BE REINSTALLED IN THIS PROJECT TO THE AIRPORT. (7) L-861(L) MIRL LIGHT FIXTURES WILL BE REMOVED IN PHASE 1. (4) L-861(L) MIRL LIGHT FIXTURES ARE TO BE REINSTALLED ON NEW L-867 BASE CANS. CONTRACTOR TO SALAVEG THE REMAINING (3) L-861(L) LIGHT FIXTURES TO THE AIRPORT.

GRAPHIC SCALE
40 0 20 40 80
(IN FEET)

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FIRM'S SEAL

SCALE
Horiz. 1" = 40'
Vert.
Date 11/26/2025
Designed by JPT
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Checked by DJC
Approved by JDB

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PROJECT NAME
MESA GATEWAY AIRPORT
TAXIWAY G REALIGNMENT

PHASE 1 ELECTRICAL DEMOLITION PLAN
SHEET 3 OF 3

PROJECT NO. 091134073
FILE NO. 091134073 - ED01 (Phase 1)
E1.3
SHEET 111 of 153

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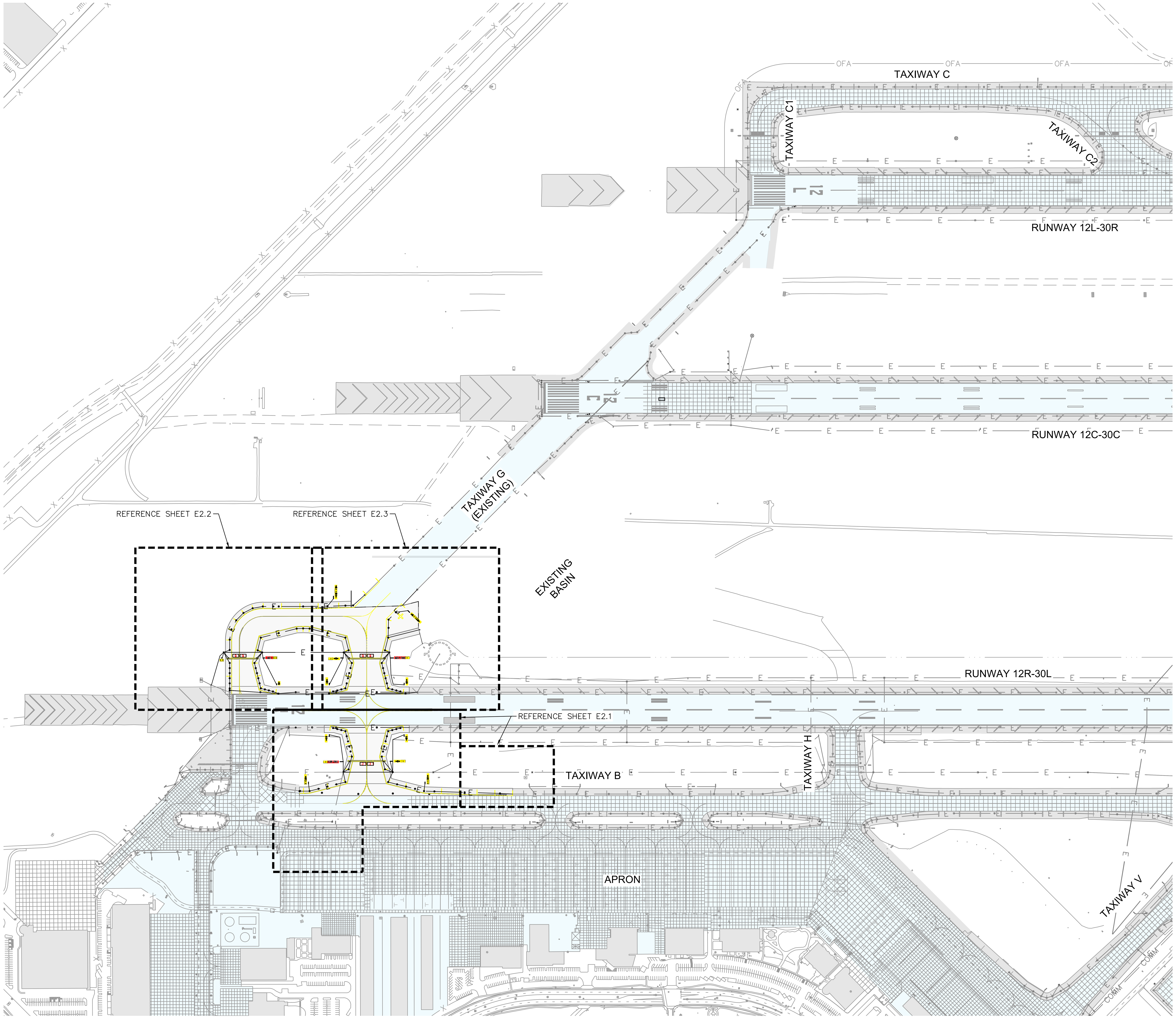

LEGEND

- GRADING LIMITS
- ELECTRICAL CONDUIT TO REMAIN
- ELECTRICAL DUCTBANK TO REMAIN
- ELECTRICAL CONDUIT TO BE REMOVED
- ELECTRICAL DUCTBANK TO BE REMOVED
- (E) TAXIWAY EDGE LIGHT TO REMAIN
- (N) L-861T(L) LED TAXIWAY EDGE LIGHT
- (E) ELEVATED RUNWAY EDGE LIGHT TO REMAIN
- (N) L-861SE(L)/L-862SE(L) RUNWAY EDGE LIGHT
- (E) SEMI-FLUSH RUNWAY EDGE LIGHT TO REMAIN
- (N) L-850C(L) SEMI-FLUSH RUNWAY EDGE LIGHT
- (N) L-867 BASE CAN WITH BLANK LID
- HANDHOLE OR MANHOLE TO REMAIN
- (N) AIRCRAFT LOAD RATED HANDHOLE
- (E) AIRFIELD GUIDANCE SIGN TO REMAIN
- (N) SIZE 3 AIRFIELD GUIDANCE SIGN
- (N) L-804(L) RUNWAY GUARD LIGHTS

4-2 CE — R1S RGL R1S TWY G — CIRCUITS IN DUCTBANK
DUCT INSTALLATION METHOD
DUCT CONFIGURATION (QTY - TRADE SIZE)

GENERAL NOTES:

1. ALL SPLICES TO EXISTING CIRCUITS MUST INCLUDE A NEW L-823 CONNECTOR. ALL SPLICES SHALL OCCUR IN A BASE CAN OR HANDHOLE. SLACK CABLE AT EDGE LIGHT BASE CANS AND HANDHOLES SHALL BE INCIDENTAL TO THE AIRFIELD CABLING QUANTITY.
2. THE ATTEMPT TO IDENTIFY ALL MISCELLANEOUS ELECTRICAL FACILITIES HAS BEEN MADE. IN THE CASE WHERE ANY ELECTRICAL FACILITIES HAVE BEEN OMITTED, THE CONTRACTOR SHALL REMOVE THE ITEMS WITH COST BEING INCIDENTAL.
3. REFER TO C1.4 FOR PROJECT LAYOUT PLAN AND C1.5 FOR HORIZONTAL CONTROL.
4. ALL PROPOSED CONDUIT/DUCT TO BE INSTALLED UNDER FULL STRENGTH PAVEMENT IS TO BE CONCRETE ENCASED.
5. CONTRACTOR TO PROVIDE ALL NECESSARY LABOR, EQUIPMENT, AND MATERIAL FOR TESTING NEW OR ALTERED CIRCUITS AFTER INSTALLATION. CONTRACTOR TO MEGGER TEST EXISTING CABLE CIRCUIT PRIOR TO SPLICING NEW CABLE. CONTRACTOR TO PROVIDE AIRPORT ENGINEER WITH ANY UNSATISFACTORY MEGGER TEST RESULTS.

ELECTRICAL ABBREVIATIONS:

ALV	AIRFIELD LIGHTING VAULT
ATCT	AIR TRAFFIC CONTROL TOWER
BC	BARE COPPER
CCR	CONSTANT CURRENT REGULATOR
C, CNDT	CONDUIT
CKT	CIRCUIT
C.E.	CONCRETE ENCASED
D.B.	DIRECT BURIED
(E)	EXISTING
FAA	FEDERAL AVIATION ADMINISTRATION
HIRL	HIGH INTENSITY RUNWAY LIGHT
ILS	INSTRUMENT LANDING SYSTEM
LOC	LOCALIZER
LT	OFFSET LEFT OF CENTERLINE
MIRL	MEDIUM INTENSITY RUNWAY LIGHT
MITL	MEDIUM INTENSITY TAXIWAY LIGHT
(N)	NEW/PROPOSED
OFF	OFFSET FROM CENTERLINE
PAPI	PRECISION APPROACH PATH INDICATOR
PCC	PORTLAND CEMENT CONCRETE
P.O.C.	POINT OF CONNECTION
PVC	POLYVINYL CHLORIDE (CONDUIT)
RDR	RUNWAY DISTANCE REMAINING
REIL	RUNWAY END IDENTIFIER LIGHT
RGL	RUNWAY GUARD LIGHT
RWY	RUNWAY
STA	STATION VALUE OF CENTERLINE
TWY	TAXIWAY
XFMR	TRANSFORMER

GRAPHIC SCALE
250 0 125 250 500
(IN FEET)

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SCALE
Horiz. ____
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GATEWAYAIRPORT.COM

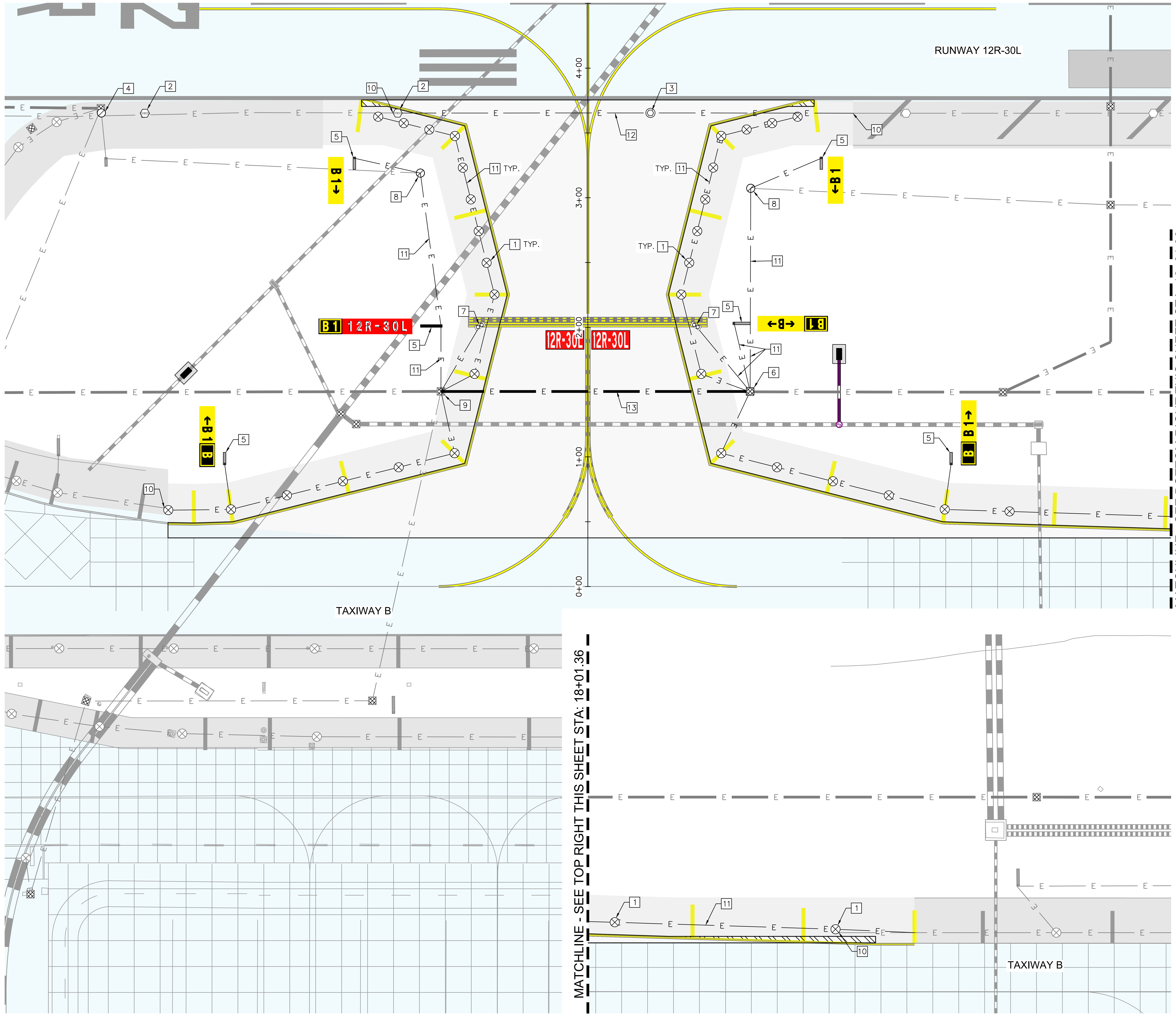
PROJECT NAME
MESA GATEWAY AIRPORT
TAXIWAY G REALIGNMENT

ELECTRICAL LAYOUT KEY MAP - PHASE 1
SHEET 1 OF 1

PROJECT NO. 091134073
FILE NO. 091134073 - EL00 (Phase 1)

E2.0

SHEET 112 of 153



PHASE 1 CONSTRUCTION NOTES:

1. INSTALL NEW L-861T(L) TAXIWAY EDGE LIGHT ON L-867 BASE CAN WITH NEW ISOLATION XFMR AND L-823 SPLICE CONNECTOR KIT. SEE DETAIL 2 SHEET E7.0.
2. INSTALL SALVAGED L-861(L) MIRL ELEVATED EDGE LIGHT ON NEW L-867 BASE CAN WITH NEW ISOLATION XFMR AND L-823 SPLICE CONNECTOR KIT. SEE DETAIL 1 SHEET E7.0.
3. INSTALL NEW L-850C(L) MIRL SEMI-FLUSH IN-PAVEMENT EDGE LIGHT ON NEW L-868 BASE CAN WITH NEW ISOLATION XFMR AND L-823 SPLICE CONNECTOR KIT. SEE DETAIL 1 SHEET E7.1.
4. INSTALL BLANK STEEL COVER ON EXISTING L-867 BASE CAN.
5. INSTALL NEW L-858(L) SIZE 3 AIRFIELD GUIDANCE SIGN ON NEW CONCRETE FOUNDATION. SEE DETAIL 1 SHEET E7.4.
6. INSTALL NEW AIRCRAFT LOAD RATED CONCRETE HANDHOLE WITH PISTON ASSIST LID. SEE DETAIL 1 SHEET E7.5.
7. INSTALL NEW L-804(L) ELEVATED RUNWAY GUARD LIGHT. SEE DETAIL 1 SHEET E7.6.
8. INTERCEPT EXISTING CONDUIT AT OLD SIGN LOCATION AND INSTALL NEW L-867 BASE CAN WITH BLANK STEEL COVER. PROTECT IN PLACE CABLING FOR EXISTING SIGN CIRCUIT.
9. PROVIDE LOCALIZED GRADING AROUND EXISTING HANDHOLE TO ADJUST HANDHOLE TO NEW FINISHED GRADE. INTERCEPT HANDHOLE WITH NEW CONDUIT AS SHOWN.
10. INTERCEPT EXISTING CONDUIT AND CABLING AND EXTEND TO PROPOSED EDGE LIGHT BASE CAN.
11. INSTALL 1-2" SCH. 40 PVC CONDUIT, D.B.
12. INSTALL 1-2" SCH. 40 PVC CONDUIT, C.E.
13. INSTALL 4-2" SCH. 40 PVC CONDUIT, C.E.

GENERAL NOTES:

1. ALL CONDUIT/DUCT TO BE INSTALLED UNDER FULL STRENGTH PAVEMENT IS TO BE CONCRETE ENCASED (C.E.)
2. CONDUIT/DUCT INSTALLED IN SHOULDERS OR IN INFIELD AREAS NOT UNDER FULL STRENGTH PAVEMENT IS TO BE DIRECT BURIED (D.B.)
3. CONTRACTOR TO COORDINATE CONDUIT/DUCT CROSSINGS WITH ALL OTHER NEW OR EXISTING UTILITIES PRIOR TO TRENCHING OPERATIONS.
4. REFER TO CIRCUIT MAPS FOR HOMERUN CABLE ROUTING AND INSTALLATION OF L-824 5KV AIRFIELD CABLING.

GRAPHIC SCALE
40 0 20 40 80
(IN FEET)

Call at least two full working days before you begin excavation.
ARIZONA811
Arizona Blue Stake, Inc.
Dial 8-1-1 or 1-800-STAKE-IT (782-5348)
In Maricopa County: (602) 263-1100

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NO.	REVISION	DATE	BY

FIRM'S NAME
Kimley»Horn
KIMLEY-HORN AND ASSOCIATES, INC.
2046 Riverview Auto Dr, SUITE 400
Mesa, Arizona 85210 (480) 207-2666

FIRM'S SEAL

SCALE
Horiz. 1" = 40'
Vert. —
Date 11/26/2025
Designed by JPT
Drawn by JPT
Checked by DJC
Approved by JDB

Mesa Gateway Airport
MESA GATEWAY AIRPORT AUTHORITY
5835 SOUTH SOSSAMAN ROAD
MESA, ARIZONA 85212
(480) 988-7600
GATEWAYAIRPORT.COM

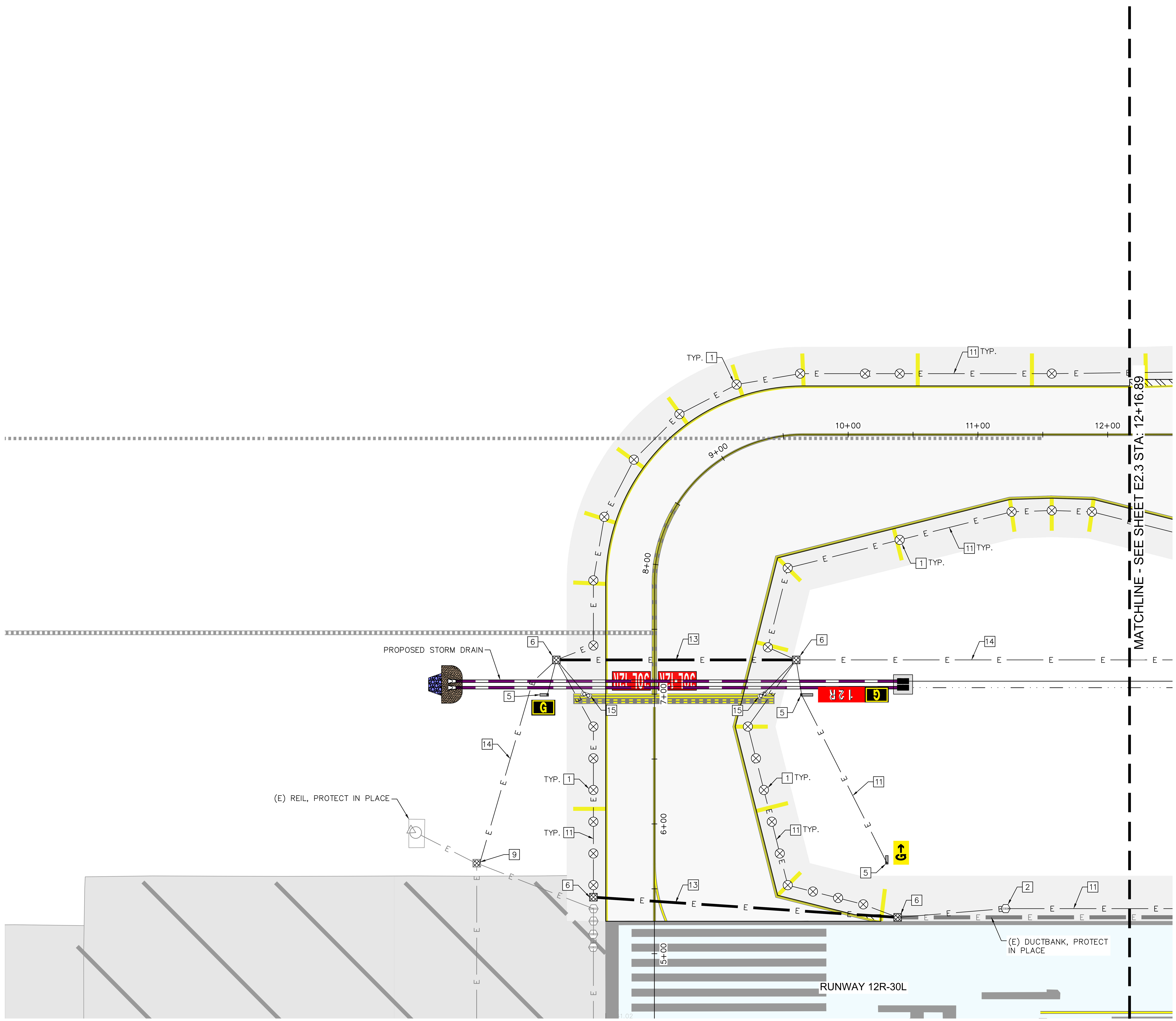
PROJECT NAME
MESA GATEWAY AIRPORT
TAXIWAY G REALIGNMENT

PHASE 1 ELECTRICAL LAYOUT PLAN
SHEET 1 OF 3

PROJECT NO. 091134073
FILE NO. 091134073 - EL01 (Phase 1)

E2.1

SHEET 113 of 153



PHASE 1 CONSTRUCTION NOTES:

1. INSTALL NEW L–861T(L) TAXIWAY EDGE LIGHT ON L–867 BASE CAN WITH NEW ISOLATION XFMR AND L–823 SPLICE CONNECTOR KIT. SEE DETAIL 2 SHEET E7.0.
2. INSTALL SALVAGED L–861(L) MIRL ELEVATED EDGE LIGHT ON NEW L–867 BASE CAN WITH NEW ISOLATION XFMR AND L–823 SPLICE CONNECTOR KIT. SEE DETAIL 1 SHEET E7.0.
5. INSTALL NEW L–858(L) SIZE 3 AIRFIELD GUIDANCE SIGN ON NEW CONCRETE FOUNDATION. SEE DETAIL 1 SHEET E7.4.
6. INSTALL NEW AIRCRAFT LOAD RATED CONCRETE HANDHOLE WITH PISTON ASSIST LID. SEE DETAIL 1 SHEET E7.5.
9. PROVIDE LOCALIZED GRADING AROUND EXISTING HANDHOLE TO ADJUST HANDHOLE TO NEW FINISHED GRADE. INTERCEPT HANDHOLE WITH NEW CONDUIT AS SHOWN.
11. INSTALL 1–2" SCH. 40 PVC CONDUIT, D.B.
13. INSTALL 4–2" SCH. 40 PVC CONDUIT, C.E.
14. INSTALL 2–2" SCH. 40 PVC CONDUIT, D.B.
15. INSTALL SALVAGED L–804(L) ELEVATED RUNWAY GUARD LIGHT. SEE DETAIL 1 SHEET E7.6.

GENERAL NOTES:

1. ALL CONDUIT/DUCT TO BE INSTALLED UNDER FULL STRENGTH PAVEMENT IS TO BE CONCRETE ENCASED (C.E.)
2. CONDUIT/DUCT INSTALLED IN SHOULDERS OR IN INFIELD AREAS NOT UNDER FULL STRENGTH PAVEMENT IS TO BE DIRECT BURIED (D.B.)
3. CONTRACTOR TO COORDINATE CONDUIT/DUCT CROSSINGS WITH ALL OTHER NEW OR EXISTING UTILITIES PRIOR TO TRENCHING OPERATIONS.
4. REFER TO CIRCUIT MAPS FOR HOMERUN CABLE ROUTING AND INSTALLATION OF L–824 5KV AIRFIELD CABLING.

GRAPHIC SCALE

40 0 20 40 80

(IN FEET)

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PROJECT NAME

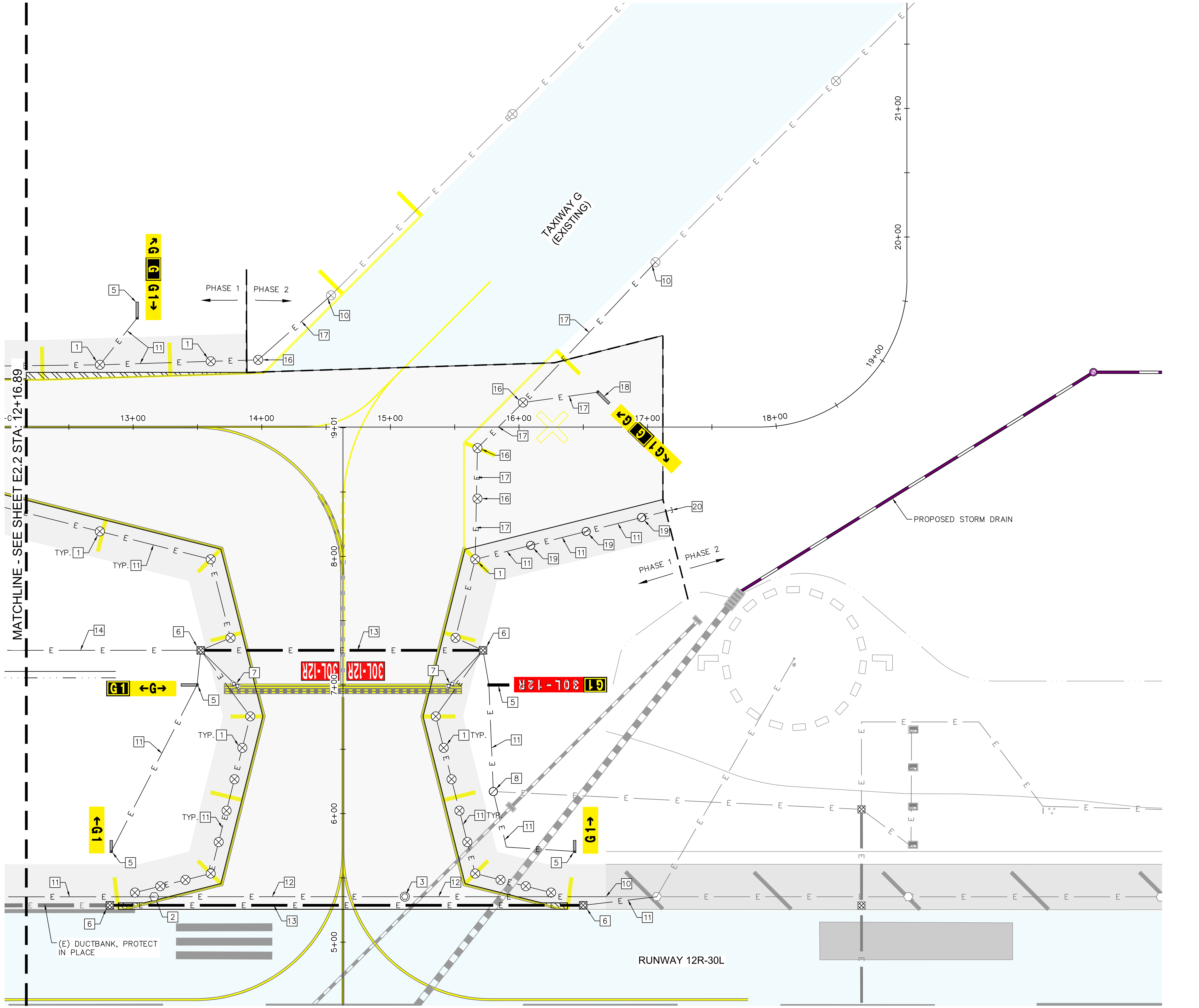
MESA GATEWAY AIRPORT
TAXIWAY G REALIGNMENT

PHASE 1 ELECTRICAL LAYOUT PLAN
SHEET 2 OF 3

PROJECT NO. 091134073

FILE NO. 091134073 - EL01 (Phase 1)

E2.2



PHASE 1 CONSTRUCTION NOTES:

1. INSTALL NEW L-861T(L) TAXIWAY EDGE LIGHT ON L-867 BASE CAN WITH NEW ISOLATION XFMR AND L-823 SPLICE CONNECTOR KIT. SEE DETAIL 2 SHEET E7.0.
2. INSTALL SALVAGED L-861(L) MIRL ELEVATED EDGE LIGHT ON NEW L-867 BASE CAN WITH NEW ISOLATION XFMR AND L-823 SPLICE CONNECTOR KIT. SEE DETAIL 1 SHEET E7.0.
3. INSTALL NEW L-850C(L) MIRL SEMI-FLUSH IN-PAVEMENT EDGE LIGHT ON NEW L-868 BASE CAN WITH NEW ISOLATION XFMR AND L-823 SPLICE CONNECTOR KIT. SEE DETAIL 1 SHEET E7.1.
5. INSTALL NEW L-858(L) SIZE 3 AIRFIELD GUIDANCE SIGN ON NEW CONCRETE FOUNDATION. SEE DETAIL 1 SHEET E7.4.
6. INSTALL NEW AIRCRAFT LOAD RATED CONCRETE HANDHOLE WITH PISTON ASSIST LID. SEE DETAIL 1 SHEET E7.5.
7. INSTALL NEW L-804(L) ELEVATED RUNWAY GUARD LIGHT. SEE DETAIL 1 SHEET E7.6.
8. INTERCEPT EXISTING CONDUIT AT OLD SIGN LOCATION AND INSTALL NEW L-867 BASE CAN WITH BLANK STEEL COVER. PROTECT IN PLACE CABLING FOR EXISTING SIGN CIRCUIT.
10. INTERCEPT EXISTING CONDUIT AND CABLING AND EXTEND TO PROPOSED EDGE LIGHT BASE CAN.
11. INSTALL 1-2" SCH. 40 PVC CONDUIT, D.B.
12. INSTALL 1-2" SCH. 40 PVC CONDUIT, C.E.
13. INSTALL 4-2" SCH. 40 PVC CONDUIT, C.E.
14. INSTALL 2-2" SCH. 40 PVC CONDUIT, D.B.
16. INSTALL NEW OR SALVAGED L-861T TAXIWAY EDGE LIGHT ON TEMPORARY SURFACE MOUNTED BASE CAN WITH NEW ISOLATION XFMR AND L-823 SPLICE CONNECTOR KIT. TEMPORARY BASE CAN MUST BE GLUED OR SECURED TO THE PAVEMENT WITH ANCHOR BOLTS. SEE DETAIL 1 SHEET E7.7.
17. INSTALL TEMPORARY 1-2" SCH. 80 PVC OR RGS CONDUIT ABOVE GRADE. SECURE CONDUIT TO PAVEMENT USING CONDUIT STRAPS. SEE DETAIL 2 SHEET E7.7.
18. INSTALL TEMPORARY SIGN FOR INTERIM TAXIWAY G CONDITION. SEE DETAIL 3 SHEET E7.7.
19. INSTALL NEW L-867 BASE CAN WITH BLANK STEEL COVER FOR ELEVATED TAXIWAY EDGE LIGHT TO BE INSTALLED IN PHASE 2.
20. EXTEND 1-2" CONDUIT 5-FT OUTSIDE PHASE 1 PAVEMENT LIMITS AND CAP FOR CONNECTION TO NEW CONDUIT TO BE INSTALLED IN PHASE 2.

GENERAL NOTES:

1. ALL CONDUIT/DUCT TO BE INSTALLED UNDER FULL STRENGTH PAVEMENT IS TO BE CONCRETE ENCASED (C.E.)
2. CONDUIT/DUCT INSTALLED IN SHOULDERS OR IN INFIELD AREAS NOT UNDER FULL STRENGTH PAVEMENT IS TO BE DIRECT BURIED (D.B.)
3. CONTRACTOR TO COORDINATE CONDUIT/DUCT CROSSINGS WITH ALL OTHER NEW OR EXISTING UTILITIES PRIOR TO TRENCHING OPERATIONS.
4. REFER TO CIRCUIT MAPS FOR HOMERUN CABLE ROUTING AND INSTALLATION OF L-824 5KV AIRFIELD CABLING.

GRAPHIC SCALE
40 0 20 40 80
(IN FEET)

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Vert. —
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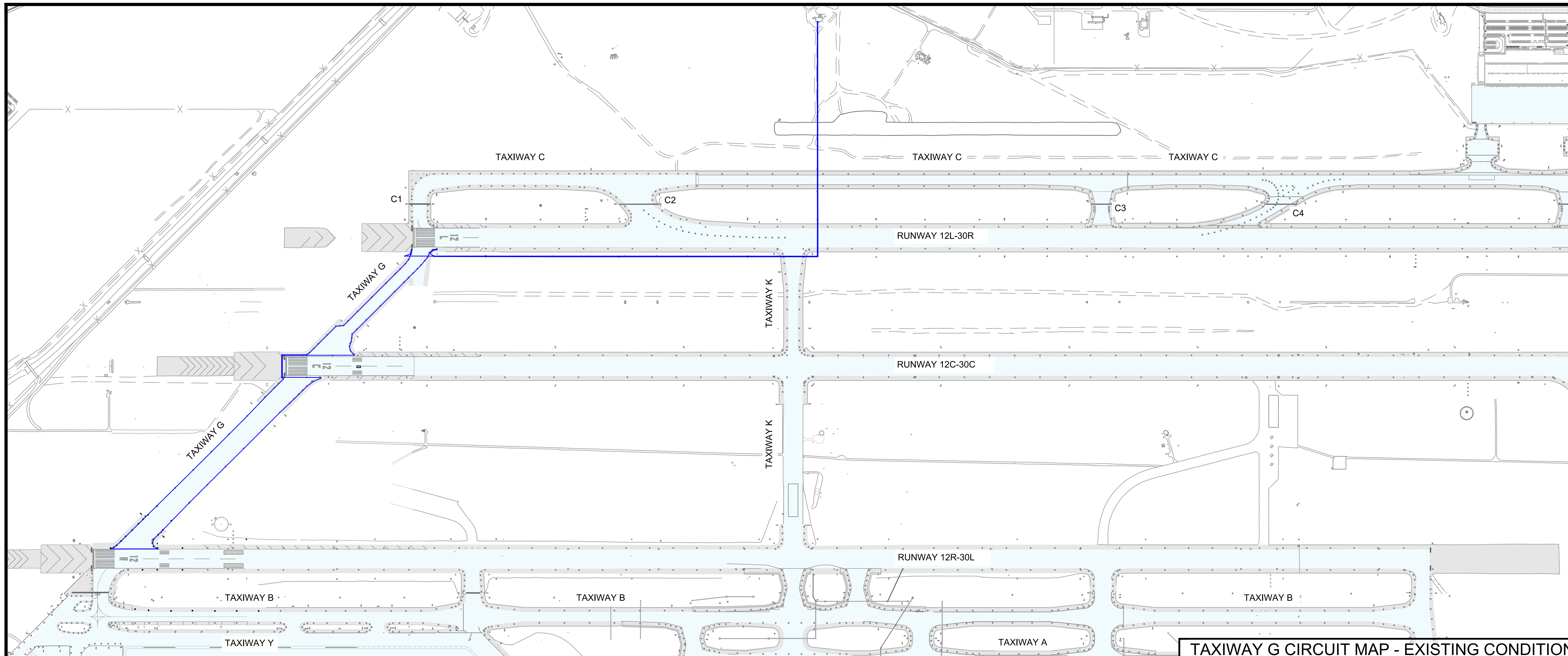
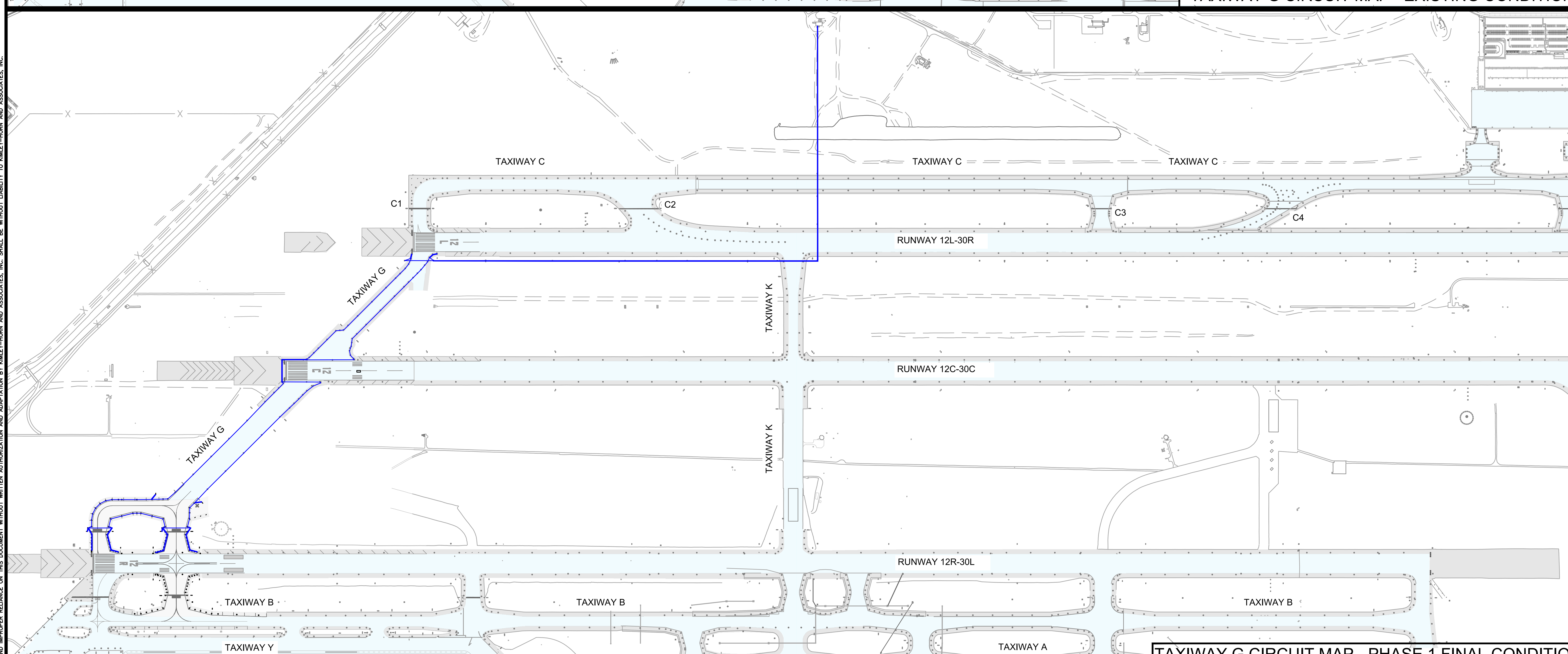
PROJECT NAME
MESA GATEWAY AIRPORT
TAXIWAY G REALIGNMENT

PHASE 1 ELECTRICAL LAYOUT PLAN
SHEET 3 OF 3

PROJECT NO. 091134073
FILE NO. 091134073 - EL01 (Phase 1)
E2.3



TAXIWAY G CIRCUIT MAP - EXISTING CONDITION



TAXIWAY G CIRCUIT MAP - PHASE 1 FINAL CONDITION

LEGEND

- CABLE TO BE REMOVED
- CABLE TO BE INSTALLED
- EXISTING OR PROPOSED FINAL CIRCUIT CONDITION

CABLE PULLING PHASING NOTES:

1. CONTRACTOR TO DO FIELD INVESTIGATION OF EXISTING CONDUIT PATHING FOR EXISTING CIRCUITS TO BE REMOVED. CONTRACTOR TO MAKE NOTE OF ANY EXISTING CIRCUITS REMAINING IN EXISTING CONDUITS THAT NEW CIRCUITS WILL BE PULLED THROUGH AND PROVIDE CIRCUIT PULLING PLAN TO AIRPORT FOR REVIEW PRIOR TO PULLING NEW CABLE IN HOMERUN DUCTBANK.
2. CONTRACTOR TO PROVIDE TEMPORARY CABLE JUMPERS AS REQUIRED TO MAINTAIN ACTIVE AIRFIELD CIRCUITS WHICH MAY BE AFFECTED BY WORK IN SHARED DUCT BANKS.

CIRCUIT TAXIWAY G DATA TABLE

QUANTITY	ITEM DESC.		FT./ITEM *		TOTAL LENGTH
62	L-861T(L)	x	10 '	=	620 '
3	SIGNS	x	10'	=	30 '
4	HANDHOLES	x	20'	=	80 '
* SLACK CABLE PER SPECS					
	ITEM TOTAL LENGTH			=	730 '
	+ PLAN CIRCUIT LENGTH			=	4,375 '
NOTE: CABLE SHALL BE L-824, #8 AWG CU					
	ESTIMATED AIRFIELD CABLE INSTALLED IN PHASE 1			=	5,105 '

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FIRM'S SEAL

SCALE
Horiz. ____
Vert. ____

Date 11/26/2025
Designed by JPT
Drawn by JPT
Checked by DJC
Approved by JDB

Mesa Gateway Airport

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GATEWAYAIRPORT.COM

PROJECT NAME

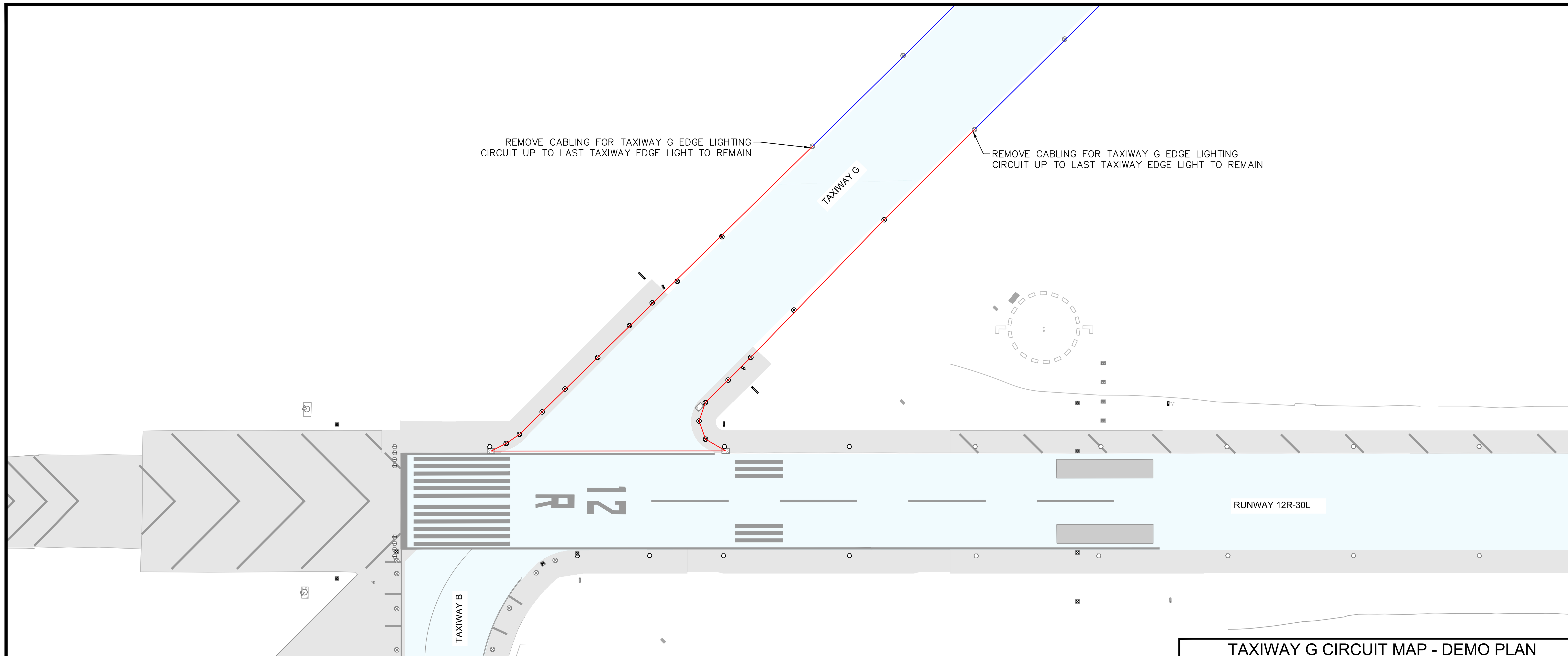
MESA GATEWAY AIRPORT
TAXIWAY G REALIGNMENT

PHASE 1 OVERALL TAXIWAY G CIRCUIT MAP

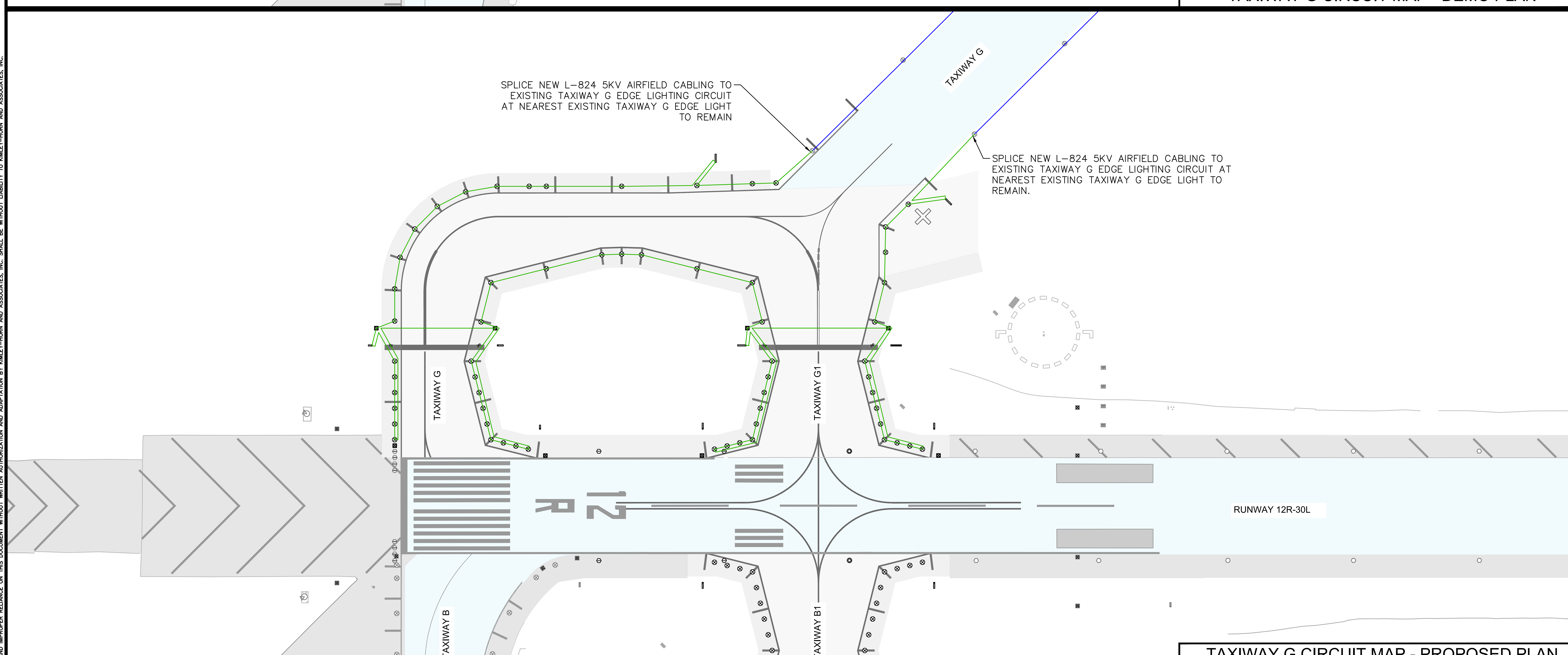
PROJECT NO. 091134073
FILE NO. 091134073 - E - CKT (Phase 1)

E3.0

SHEET 116 of 153



TAXIWAY G CIRCUIT MAP - DEMO PLAN



TAXIWAY G CIRCUIT MAP - PROPOSED PLAN

LEGEND

- CABLE TO BE REMOVED
- CABLE TO BE INSTALLED
- EXISTING OR PROPOSED FINAL CIRCUIT CONDITION

CABLE PULLING PHASING NOTES:

1. CONTRACTOR TO DO FIELD INVESTIGATION OF EXISTING CONDUIT PATHING FOR EXISTING CIRCUITS TO BE REMOVED. CONTRACTOR TO MAKE NOTE OF ANY EXISTING CIRCUITS REMAINING IN EXISTING CONDUITS THAT NEW CIRCUITS WILL BE PULLED THROUGH AND PROVIDE CIRCUIT PULLING PLAN TO AIRPORT FOR REVIEW PRIOR TO PULLING NEW CABLE IN HOMERUN DUCTBANK.
2. CONTRACTOR TO PROVIDE TEMPORARY CABLE JUMPERS AS REQUIRED TO MAINTAIN ACTIVE AIRFIELD CIRCUITS WHICH MAY BE AFFECTED BY WORK IN SHARED DUCT BANKS.

CIRCUIT TAXIWAY G DATA TABLE

QUANTITY	ITEM DESC.	FT./ITEM *		TOTAL LENGTH
62	L-861T(L)	x 10'	=	620'
3	SIGNS	x 10'	=	30'
4	HANDHOLES	x 20'	=	80'
	* SLACK CABLE PER SPECS			
	ITEM TOTAL LENGTH		=	730'
	+ PLAN CIRCUIT LENGTH		=	4,375'
	NOTE: CABLE SHALL BE L-824, #8 AWG CU			
	ESTIMATED AIRFIELD CABLE INSTALLED IN PHASE 1		=	5,105'

Call at least two full working days before you begin excavation. ARIZONA 811 Arizona Blue Stake, Inc. Dial 8-1-1 or 1-800-STAKE-IT (782-5348) In Maricopa County: (602) 263-1100

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KIMLEY-HORN AND ASSOCIATES, INC.
2046 Riverview Auto Dr, SUITE 400
Mesa, Arizona 85210 (480) 207-2666

FIRM'S SEAL

SCALE
Horiz. ____
Vert. ____
Date 11/26/2025
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Checked by DJC
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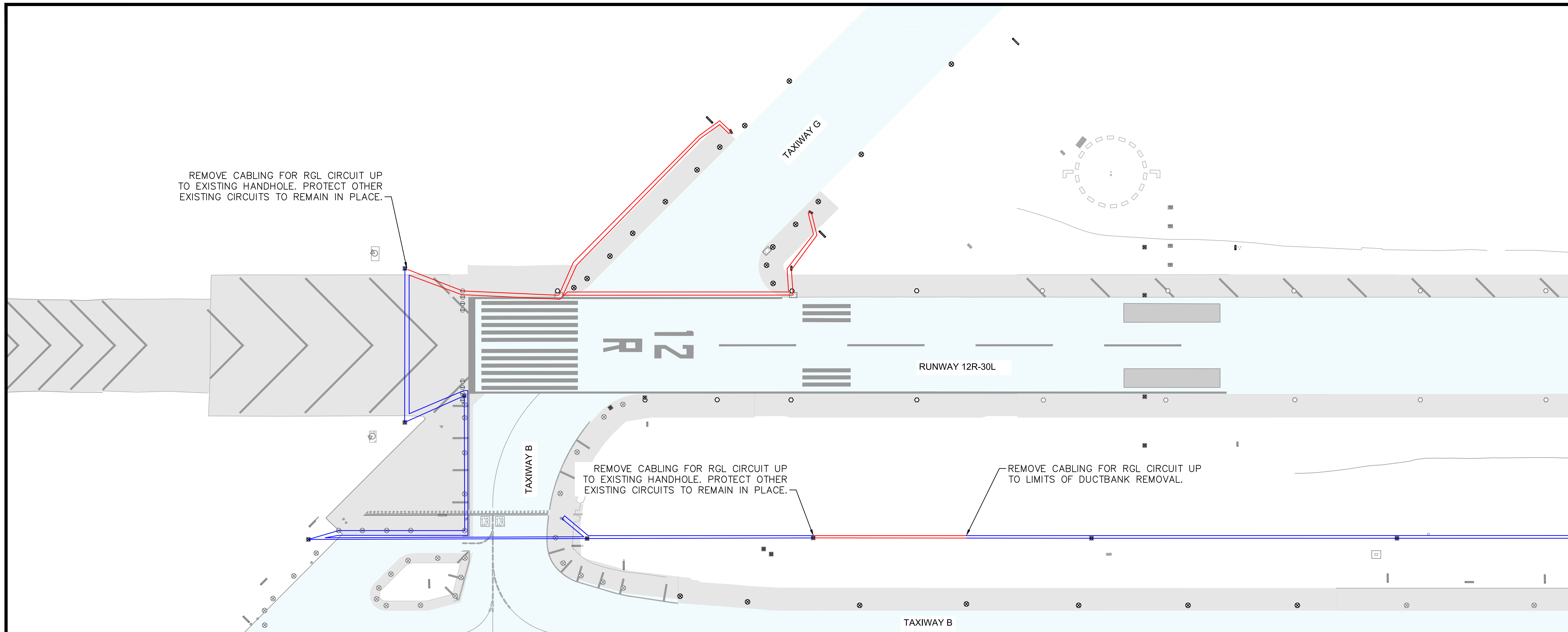
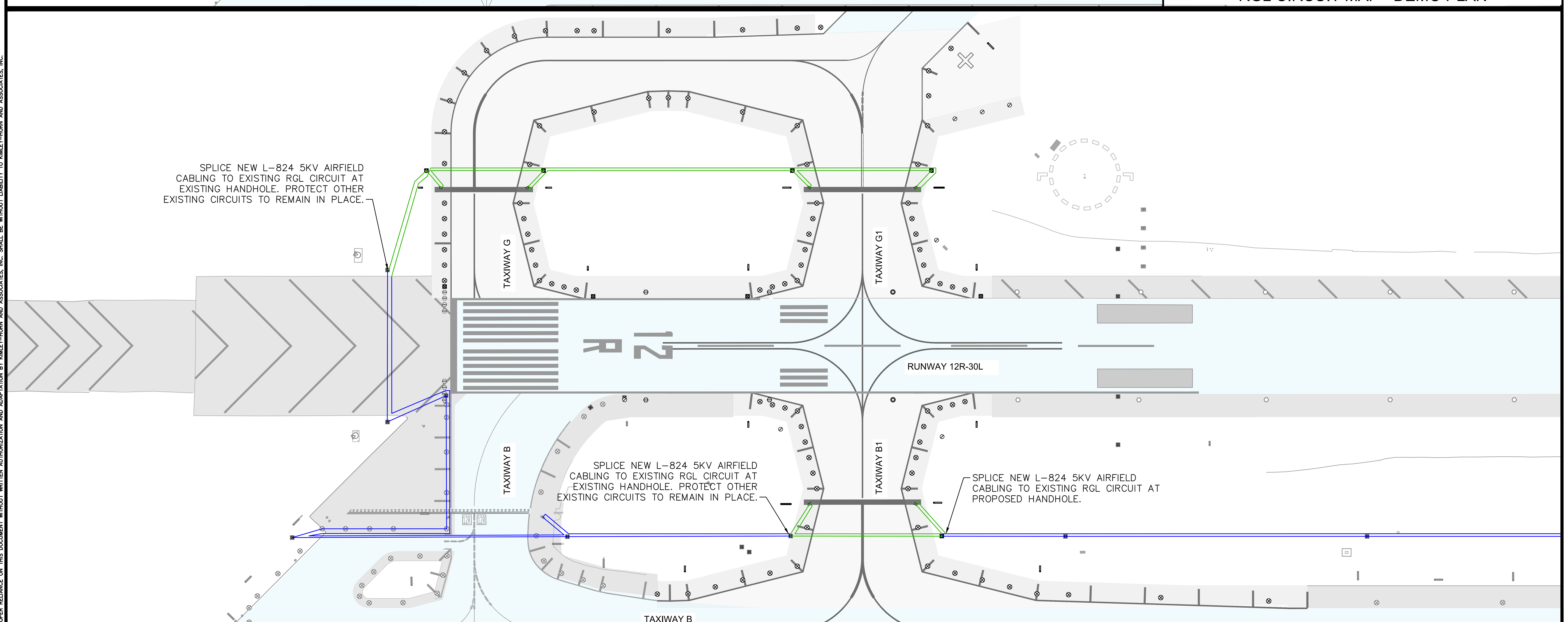
5835 SOUTH SOSSAMMAN ROAD
MESA, ARIZONA 85212
(480) 988-7600
GATEWAYAIRPORT.COM

PROJECT NAME
MESA GATEWAY AIRPORT
TAXIWAY G REALIGNMENT
ENLARGED TAXIWAY G CIRCUIT MAP

PROJECT NO. 091134073
FILE NO. 091134073 - E - CKT (Phase 1)
E3.1
SHEET 117 of 153



RGL CIRCUIT MAP - DEMO PLAN



RGL CIRCUIT MAP - PHASE 1 FINAL CONDITION

LEGEND

- CABLE TO BE REMOVED
- CABLE TO BE INSTALLED
- EXISTING OR PROPOSED FINAL CIRCUIT CONDITION

CABLE PULLING PHASING NOTES:

1. CONTRACTOR TO DO FIELD INVESTIGATION OF EXISTING CONDUIT PATHING FOR EXISTING CIRCUITS TO BE REMOVED. CONTRACTOR TO MAKE NOTE OF ANY EXISTING CIRCUITS REMAINING IN EXISTING CONDUITS THAT NEW CIRCUITS WILL BE PULLED THROUGH AND PROVIDE CIRCUIT PULLING PLAN TO AIRPORT FOR REVIEW PRIOR TO PULLING NEW CABLE IN HOMERUN DUCTBANK.
2. CONTRACTOR TO PROVIDE TEMPORARY CABLE JUMPERS AS REQUIRED TO MAINTAIN ACTIVE AIRFIELD CIRCUITS WHICH MAY BE AFFECTED BY WORK IN SHARED DUCT BANKS.

CIRCUIT RGL DATA TABLE

QUANTITY	ITEM DESC.	FT./ITEM *		TOTAL LENGTH
6	L-804(L)	x 10 '	=	60 '
0	SIGNS	x 10'	=	0 '
7	HANDHOLES	x 20'	=	140 '
		* SLACK CABLE PER SPECS		
		ITEM TOTAL LENGTH	=	200 '
		+ PLAN CIRCUIT LENGTH	=	2,970 '
		NOTE: CABLE SHALL BE L-824, #8 AWG CU		
		ESTIMATED AIRFIELD CABLE INSTALLED IN PHASE 1	=	3,170 '

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Vert. ____

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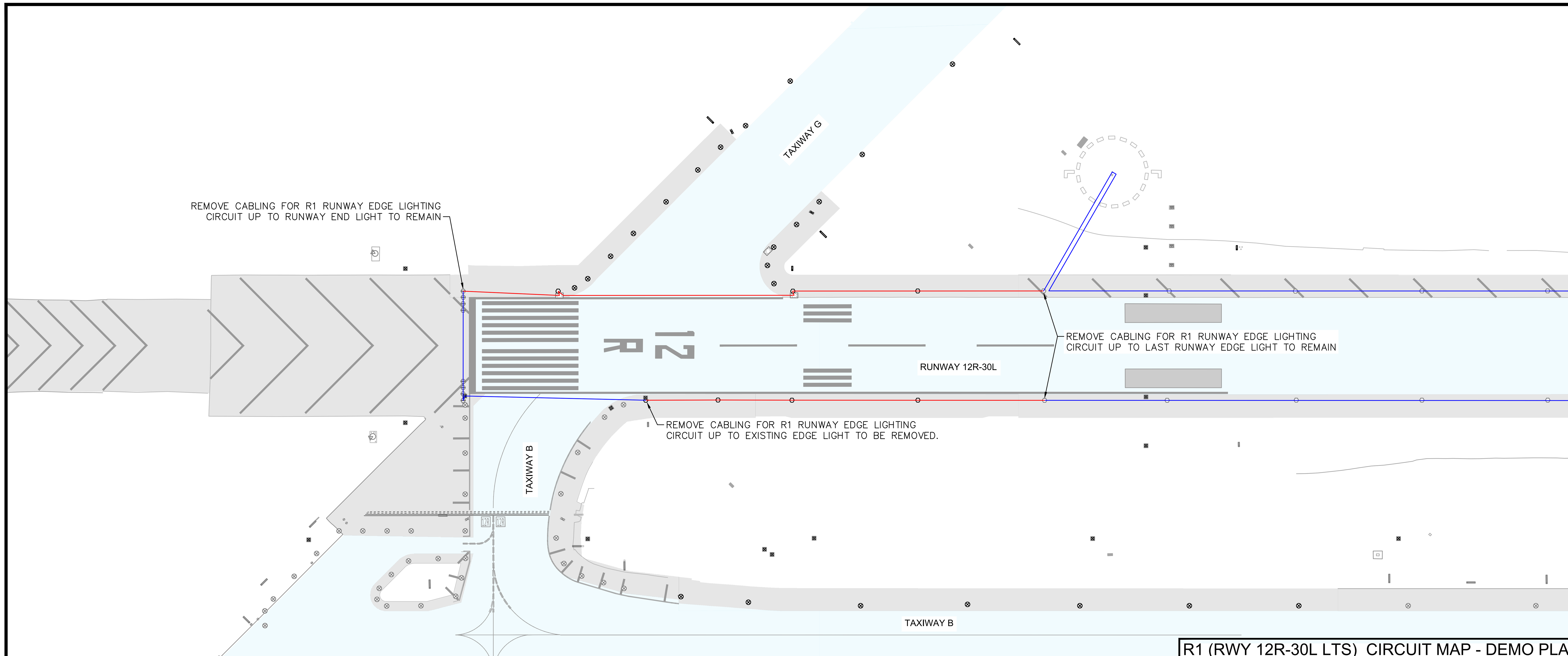
PROJECT NAME
MESA GATEWAY AIRPORT
TAXIWAY G REALIGNMENT
ENLARGED RGL CIRCUIT MAP

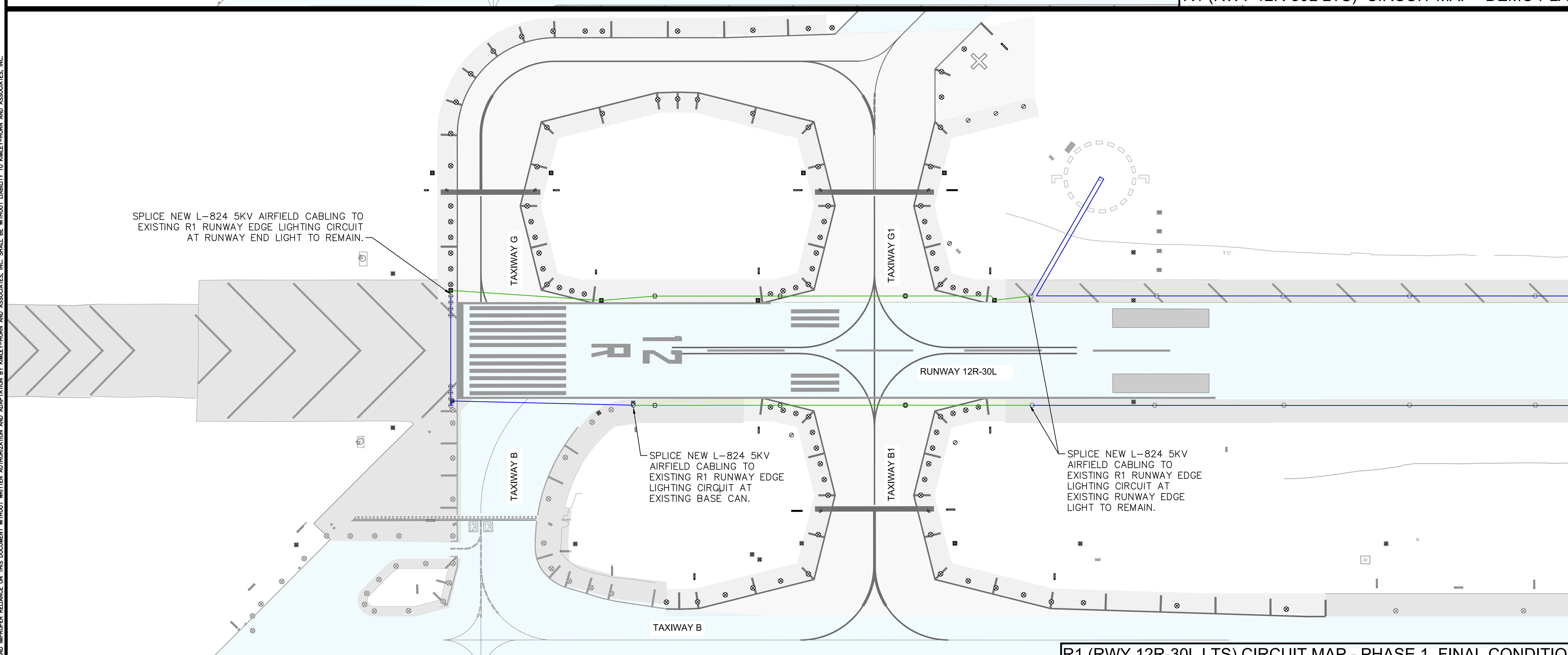
PROJECT NO. 091134073
FILE NO. 091134073 - E - CKT (Phase 1)

E3.2

SHEET 118 of 153



R1 (RWY 12R-30L LTS) CIRCUIT MAP - DEMO PLAN



R1 (RWY 12R-30L LTS) CIRCUIT MAP - PHASE 1 FINAL CONDITION

LEGEND

- CABLE TO BE REMOVED
- CABLE TO BE INSTALLED
- EXISTING OR PROPOSED FINAL CIRCUIT CONDITION

CABLE PULLING PHASING NOTES:

1. CONTRACTOR TO DO FIELD INVESTIGATION OF EXISTING CONDUIT PATHING FOR EXISTING CIRCUITS TO BE REMOVED. CONTRACTOR TO MAKE NOTE OF ANY EXISTING CIRCUITS REMAINING IN EXISTING CONDUITS THAT NEW CIRCUITS WILL BE PULLED THROUGH AND PROVIDE CIRCUIT PULLING PLAN TO AIRPORT FOR REVIEW PRIOR TO PULLING NEW CABLE IN HOMERUN DUCTBANK.
2. CONTRACTOR TO PROVIDE TEMPORARY CABLE JUMPERS AS REQUIRED TO MAINTAIN ACTIVE AIRFIELD CIRCUITS WHICH MAY BE AFFECTED BY WORK IN SHARED DUCT BANKS.

CIRCUIT R1 DATA TABLE

QUANTITY	ITEM DESC.	FT./ITEM *		TOTAL LENGTH
8	L-861(L)/L-850C(L)	x 10 '	=	80 '
1	BASE CANS	x 10'	=	10 '
1	HANDHOLES	x 20'	=	20 '
	* SLACK CABLE PER SPECS			
	ITEM TOTAL LENGTH		=	110 '
	+ PLAN CIRCUIT LENGTH		=	1,540 '
	NOTE: CABLE SHALL BE L-824, #8 AWG CU			
	ESTIMATED AIRFIELD CABLE INSTALLED IN PHASE 1		=	1,650 '

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GATEWAYAIRPORT.COM

PROJECT NAME
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TAXIWAY G REALIGNMENT

ENLARGED R1 CIRCUIT MAP
(RWY 12R-30L EDGE LIGHTS)

PROJECT NO. 091134073
FILE NO. 091134073 - E - CKT (Phase 1)

E3.3

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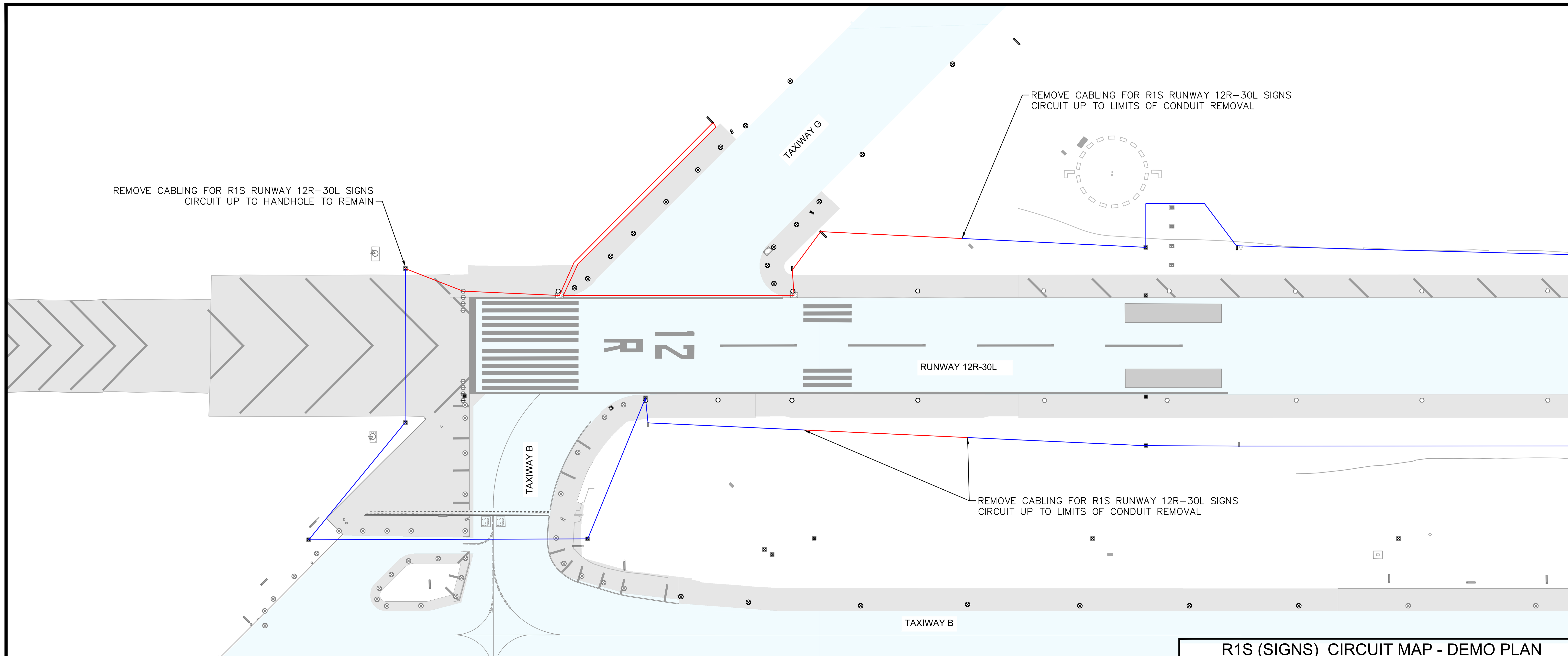
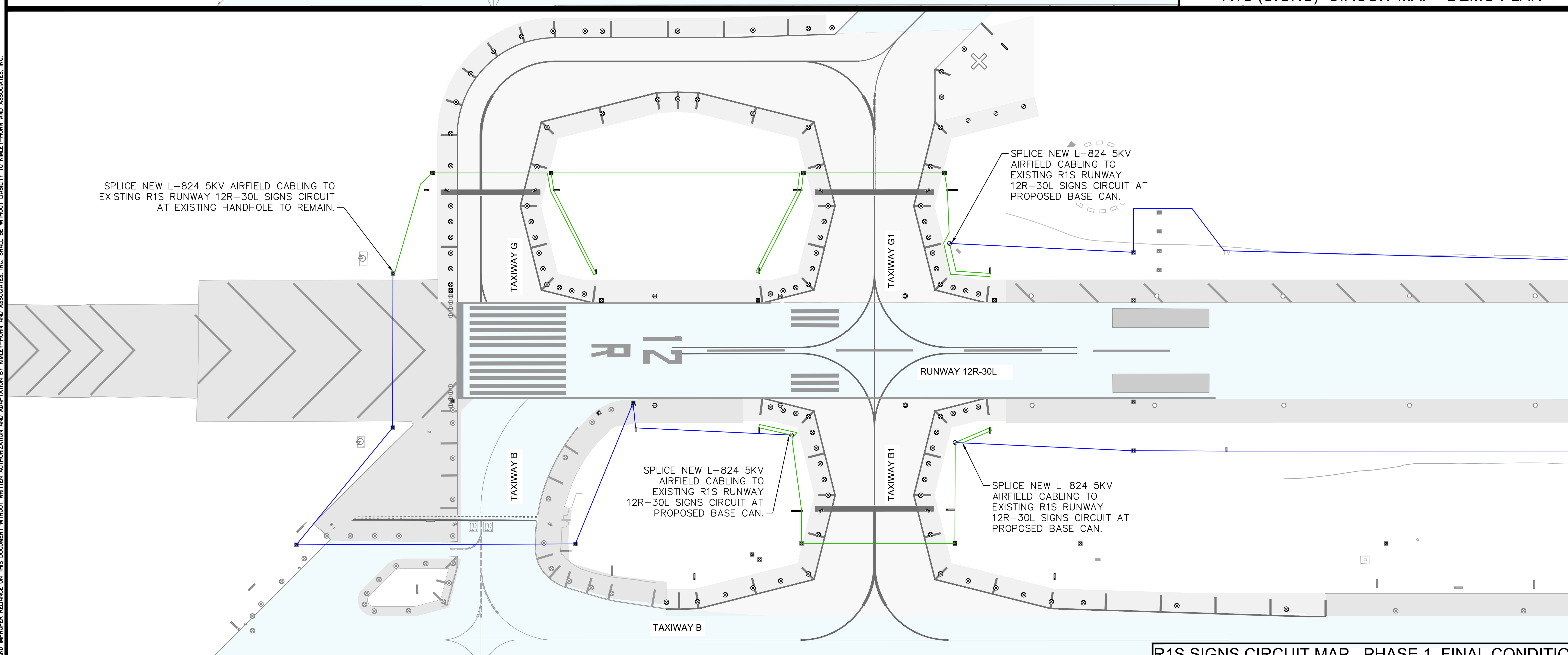


R1S (SIGNS) CIRCUIT MAP - DEMO PLAN



R1S SIGNS CIRCUIT MAP - PHASE 1 FINAL CONDITION

LEGEND

- CABLE TO BE REMOVED
- CABLE TO BE INSTALLED
- EXISTING OR PROPOSED FINAL CIRCUIT CONDITION

CABLE PULLING PHASING NOTES:

1. CONTRACTOR TO DO FIELD INVESTIGATION OF EXISTING CONDUIT PATHING FOR EXISTING CIRCUITS TO BE REMOVED. CONTRACTOR TO MAKE NOTE OF ANY EXISTING CONDUITS REMAINING IN EXISTING CONDUITS THAT NEW CIRCUITS WILL BE PULLED THROUGH AND PROVIDE CIRCUIT PULLING PLAN TO AIRPORT FOR REVIEW PRIOR TO PULLING NEW CABLE IN HOMERUN DUCTBANK.
2. CONTRACTOR TO PROVIDE TEMPORARY CABLE JUMPERS AS REQUIRED TO MAINTAIN ACTIVE AIRFIELD CIRCUITS WHICH MAY BE AFFECTED BY WORK IN SHARED DUCT BANKS.

CIRCUIT R1S DATA TABLE

QUANTITY	ITEM DESC.		FT./ITEM *		TOTAL LENGTH
8	SIGNS	x	10'	=	80'
3	BASE CANS	x	10'	=	30'
7	HANDHOLES	x	20'	=	140'
	* SLACK CABLE PER SPECS				
	ITEM TOTAL LENGTH			=	250'
	+ PLAN CIRCUIT LENGTH			=	2,785'
	NOTE: CABLE SHALL BE L-824, #8 AWG CU				
	ESTIMATED AIRFIELD CABLE INSTALLED IN PHASE 1			=	3,035'

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NO.	REVISION	DATE	BY

FIRM'S NAME
Kimley»Horn
KIMLEY-HORN AND ASSOCIATES, INC.

FIRM'S SEAL

SCALE
Horiz.
Vert.

Date 11/26/2025
Designed by JPT
Drawn by JPT
Checked by DJC
Approved by JDB

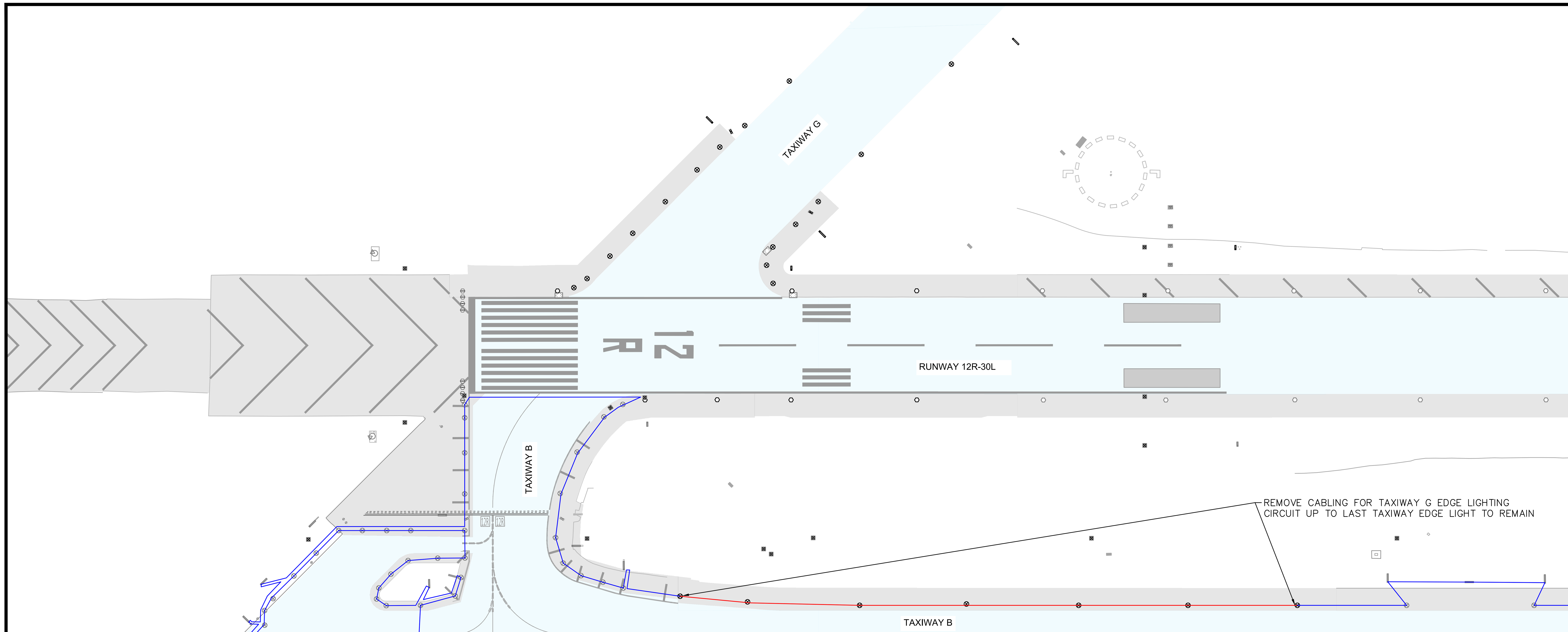
Mesa Gateway Airport
MESA GATEWAY AIRPORT AUTHORITY
5835 SOUTH SOSSAMAN ROAD
MESA, ARIZONA 85212
(480) 988-7600
GATEWAYAIRPORT.COM

PROJECT NAME
MESA GATEWAY AIRPORT
TAXIWAY G REALIGNMENT
ENLARGED R1S CIRCUIT MAP
(RWY 12R-30L SIGNS)

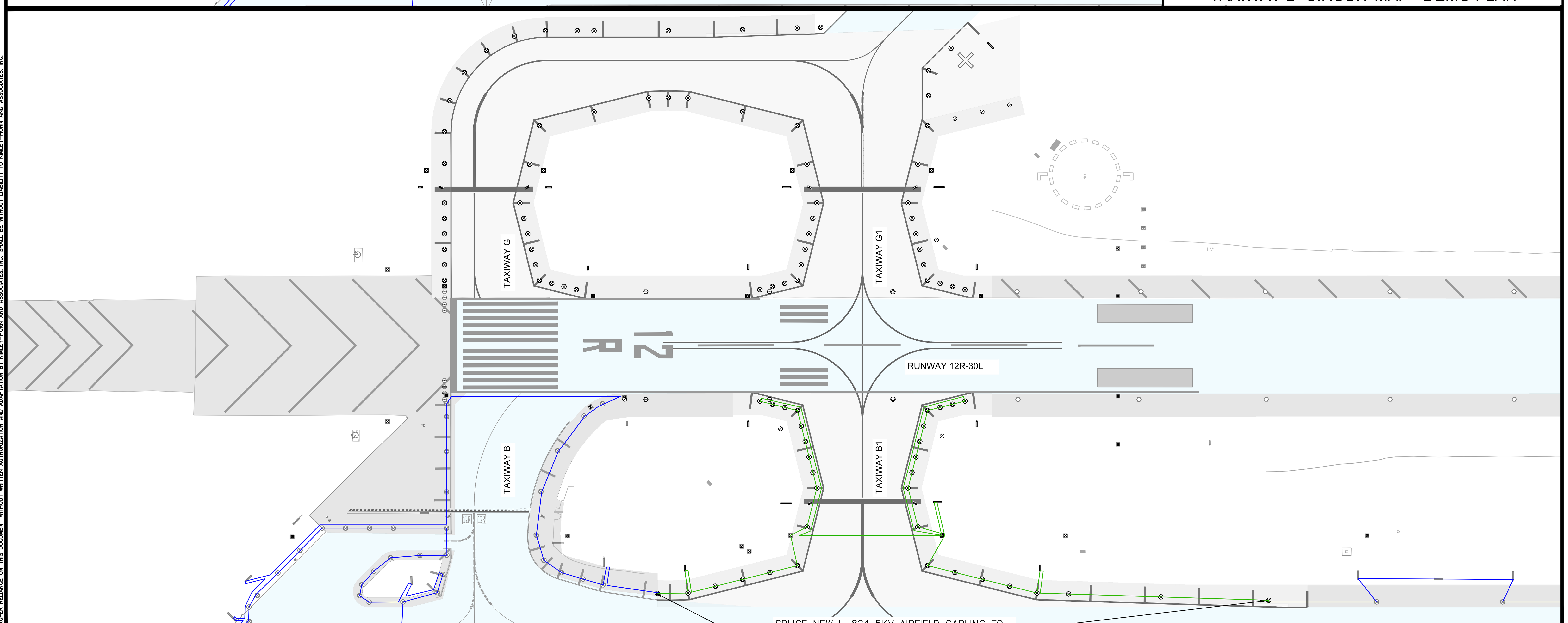
PROJECT NO. 091134073
FILE NO. 091134073 - E - CKT (Phase 1)

E3.4

SHEET 120 of 153



TAXIWAY B CIRCUIT MAP - DEMO PLAN



TAXIWAY B CIRCUIT MAP - PHASE 1 FINAL CONDITION

LEGEND

- CABLE TO BE REMOVED
- CABLE TO BE INSTALLED
- EXISTING OR PROPOSED FINAL CIRCUIT CONDITION

CABLE PULLING PHASING NOTES:

1. CONTRACTOR TO DO FIELD INVESTIGATION OF EXISTING CONDUIT PATHING FOR EXISTING CIRCUITS TO BE REMOVED. CONTRACTOR TO MAKE NOTE OF ANY EXISTING CIRCUITS REMAINING IN EXISTING CONDUITS THAT NEW CIRCUITS WILL BE PULLED THROUGH AND PROVIDE CIRCUIT PULLING PLAN TO AIRPORT FOR REVIEW PRIOR TO PULLING NEW CABLE IN HOMERUN DUCTBANK.
2. CONTRACTOR TO PROVIDE TEMPORARY CABLE JUMPERS AS REQUIRED TO MAINTAIN ACTIVE AIRFIELD CIRCUITS WHICH MAY BE AFFECTED BY WORK IN SHARED DUCT BANKS.

CIRCUIT TAXIWAY B DATA TABLE

QUANTITY	ITEM DESC.		FT./ITEM *		TOTAL LENGTH
36	L-861T(L)	x	10'	=	360'
3	SIGNS	x	10'	=	30'
2	HANDHOLES	x	20'	=	40'

* SLACK CABLE PER SPECS

ITEM TOTAL LENGTH = 430'

+ PLAN CIRCUIT LENGTH = 2,525'

NOTE: CABLE SHALL BE L-824, #8 AWG CU

ESTIMATED AIRFIELD CABLE INSTALLED IN PHASE 1 = 2,955'

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KIMLEY-HORN AND ASSOCIATES, INC.
2346 Riverview Auto Dr., SUITE 400
Mesa, Arizona 85210 (480) 207-2666

FIRM'S SEAL

SCALE
Horiz. —
Vert. —

Date 11/26/2025
Designed by JPT
Drawn by JPT
Checked by DJC
Approved by JDB

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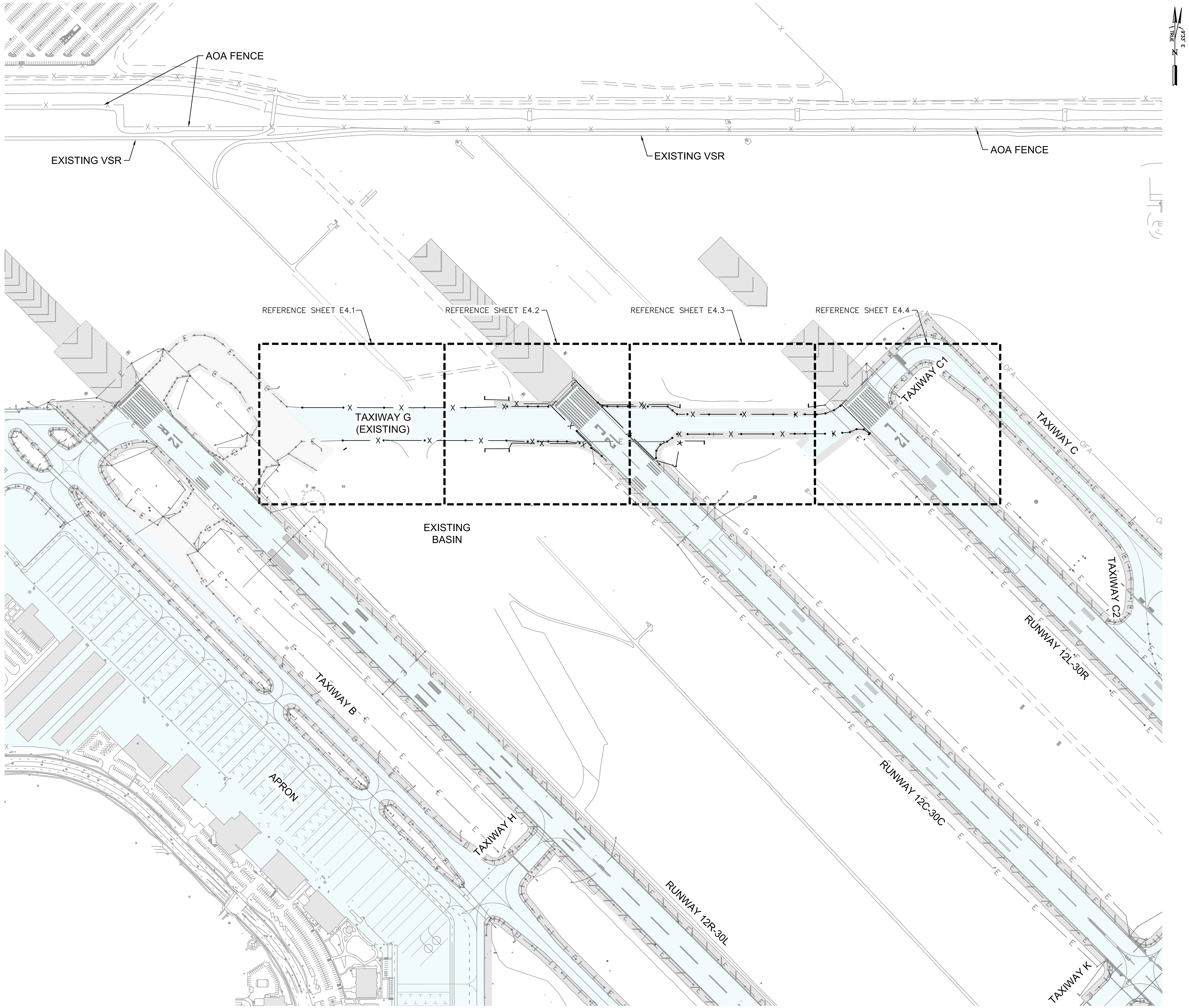
GATEWAYAIRPORT.COM

PROJECT NAME
MESA GATEWAY AIRPORT
TAXIWAY G REALIGNMENT
ENLARGED TAXIWAY B CIRCUIT MAP

PROJECT NO. 091134073
FILE NO. 091134073 - E - CKT (Phase 1)

E3.5

SHEET 121 of 153



LEGEND

- GRADING LIMITS
- ELECTRICAL CONDUIT TO REMAIN
- ELECTRICAL DUCTBANK TO REMAIN
- ELECTRICAL CONDUIT TO BE REMOVED
- ELECTRICAL DUCTBANK TO BE REMOVED
- TAXIWAY EDGE LIGHT TO REMAIN
- TAXIWAY EDGE LIGHT TO BE REMOVED
- ELEVATED RUNWAY EDGE LIGHT TO BE REMAIN
- ELEVATED RUNWAY EDGE LIGHT TO BE REMOVED
- SEMI-FLUSH RUNWAY EDGE LIGHT TO REMAIN
- SEMI-FLUSH RUNWAY EDGE LIGHT TO BE REMOVED
- EXISTING BASE CAN TO REMAIN
- HANDHOLE OR MANHOLE TO REMAIN
- HANDHOLE OR MANHOLE TO BE REMOVED
- AIRFIELD GUIDANCE SIGN TO BE REMAIN
- AIRFIELD GUIDANCE SIGN TO BE REMOVED
- RUNWAY GUARD LIGHTS TO BE REMOVED

4-2 CE — R1S RGL R1S TWY G — CIRCUITS IN DUCTBANK
- DUCT INSTALLATION METHOD
- DUCT CONFIGURATION (QTY – TRADE SIZE)

GENERAL NOTES:

1. EXISTING ELECTRICAL INFORMATION SHOWN ON THE PLANS CONCERNING THE TYPE, SIZE AND LOCATION WERE COMPILED BASED ON THE BEST AVAILABLE RECORDS TO THE ENGINEER. THE CONTRACTOR SHALL VERIFY EXISTING CONDITIONS PRIOR TO CONSTRUCTION. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT ALL EXISTING ELECTRICAL FACILITIES IN PLACE UNLESS NOTED OR SPECIFIED OTHERWISE. ANY DAMAGE TO EXISTING ELECTRICAL FACILITIES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
2. THE ATTEMPT TO IDENTIFY ALL MISCELLANEOUS ELECTRICAL FACILITIES HAS BEEN MADE. IN THE CASE WHERE ANY ELECTRICAL FACILITIES HAVE BEEN OMITTED, THE CONTRACTOR SHALL REMOVE THE ITEMS WITH COST BEING INCIDENTAL.
3. REFER TO C1.4 FOR PROJECT LAYOUT PLAN AND C1.5 FOR HORIZONTAL CONTROL.
4. REFER TO CIVIL DEMOLITION PLANS FOR DEMOLITION LIMITS.
5. DISCONNECT EXISTING CONDUCTORS AT FIRST ELEMENT (FIXTURE, HANDHOLE, SIGN) TO BE REMOVED. PULL BACK EXISTING CABLE TO THE FIRST EXISTING ELEMENT ADJACENT TO LIMIT OF CONSTRUCTION TO REMAIN. RE-INSTALL CONDUCTORS AFTER NEW CONDUIT IS CONNECTED TO EXISTING CONDUITS AT LIMITS OF CONSTRUCTION.

ELECTRICAL ABBREVIATIONS:

ALV	AIRFIELD LIGHTING VAULT
ATCT	AIR TRAFFIC CONTROL TOWER
BC	BARE COPPER
CCR	CONSTANT CURRENT REGULATOR
C, CNDT	CONDUIT
CKT	CIRCUIT
C.E.	CONCRETE ENCASED
D.B.	DIRECT BURIED
(E)	EXISTING
FAA	FEDERAL AVIATION ADMINISTRATION
HIRL	HIGH INTENSITY RUNWAY LIGHT
ILS	INSTRUMENT LANDING SYSTEM
LOC	LOCALIZER
LT	OFFSET LEFT OF CENTERLINE
MIRL	MEDIUM INTENSITY RUNWAY LIGHT
MITL	MEDIUM INTENSITY TAXIWAY LIGHT
(N)	NEW/PROPOSED
OFF	OFFSET FROM CENTERLINE
PAPI	PRECISION APPROACH PATH INDICATOR
PCC	PORTLAND CEMENT CONCRETE
P.O.C.	POINT OF CONNECTION
PVC	POLYVINYL CHLORIDE (CONDUIT)
RDR	RUNWAY DISTANCE REMAINING
REIL	RUNWAY END IDENTIFIER LIGHT
RGL	RUNWAY GUARD LIGHT
RWY	RUNWAY
STA	STATION VALUE OF CENTERLINE
TWY	TAXIWAY
XFMR	TRANSFORMER

GRAPHIC SCALE

250 0 125 250 500

(IN FEET)

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NO.	REVISION	BY	DATE

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KIMLEY-HORN AND ASSOCIATES, INC.
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Mesa, Arizona 85210 (480) 207-2666

FIRM'S SEAL

SCALE
Horiz. 1" = 250'
Vert.

Date 11/26/2025
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Checked by DJC
Approved by JDB

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PROJECT NAME
MESA GATEWAY AIRPORT
TAXIWAY G REALIGNMENT

ELECTRICAL DEMOLITION KEY MAP - PHASE 2

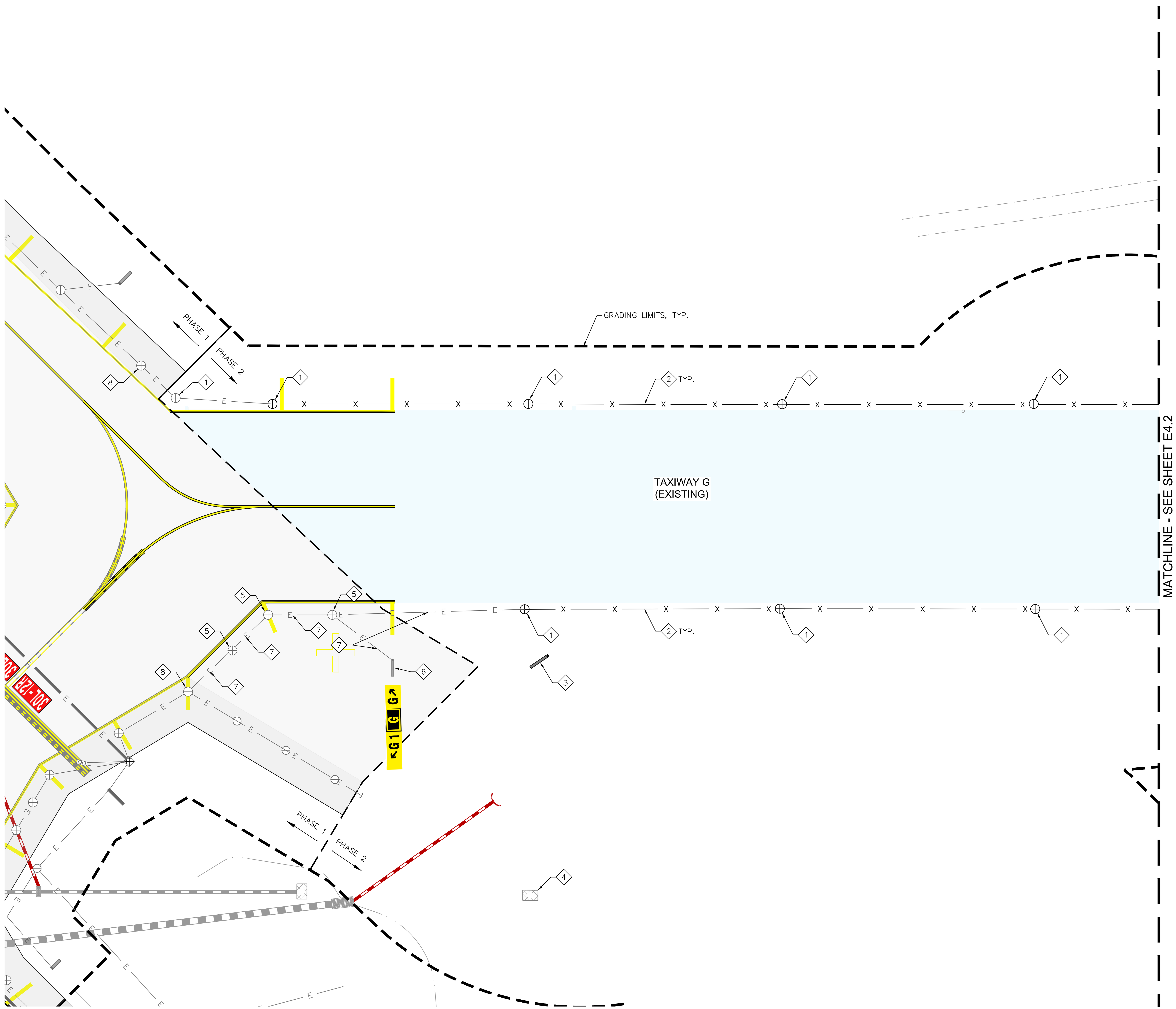
SHEET 1 OF 1

PROJECT NO. 091134073
FILE NO. 091134073 - ED00 (Phase 2)

E4.0

PHASE 2 DEMOLITION NOTES:

1. REMOVE EXISTING TAXIWAY EDGE LIGHT, ISOLATION XFMR, CABLING, AND BASE CAN.
2. REMOVE CONDUIT/DUCT AND AIRFIELD CABLING TO LIMITS OF DEMOLITION AS SHOWN. FOR CIRCUITS THAT ARE TO REMAIN ACTIVE DURING CONSTRUCTION, PULL CABLE BACK TO NEAREST JUNCTION POINT TO REMAIN AND INSTALL TEMPORARY CIRCUIT JUMPERS AS REQUIRED. SEE EXISTING CONDITIONS CIRCUIT MAPS FOR EXISTING CIRCUIT ROUTING.
3. REMOVE EXISTING AIRFIELD GUIDANCE SIGN AND FOUNDATION.
4. REMOVE EXISTING HANDHOLE.
5. REMOVE TEMPORARY TAXIWAY EDGE LIGHT, ISOLATION XFMR, CABLING, AND BASE CAN. PATCH AND REPAIR PAVEMENT SURFACE AS NECESSARY TO FILL ANCHOR BOLT HOLES.
6. REMOVE TEMPORARY AIRFIELD GUIDANCE SIGN AND ANCHOR BOLTS. PATCH AND REPAIR PAVEMENT SURFACE AS REQUIRED TO FILL ANCHOR BOLT HOLES.
7. REMOVE TEMPORARY SURFACE MOUNTED CONDUIT. PULL CABLING BACK TO NEAREST TAXIWAY EDGE LIGHT TO REMAIN FROM PHASE 1. PATCH AND REPAIR PAVEMENT SURFACE AS REQUIRED TO FILL ANCHOR BOLT HOLES.
8. PROTECT EXISTING TAXIWAY EDGE LIGHT IN PLACE (FROM PHASE 1).



GRAPHIC SCALE
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(IN FEET)

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Mesa, Arizona 85210 (480) 207-2666

FIRM'S SEAL

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Horiz. 1" = 40'
Vert.
Date 11/26/2025
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Drawn by JPT
Checked by DJC
Approved by JDB

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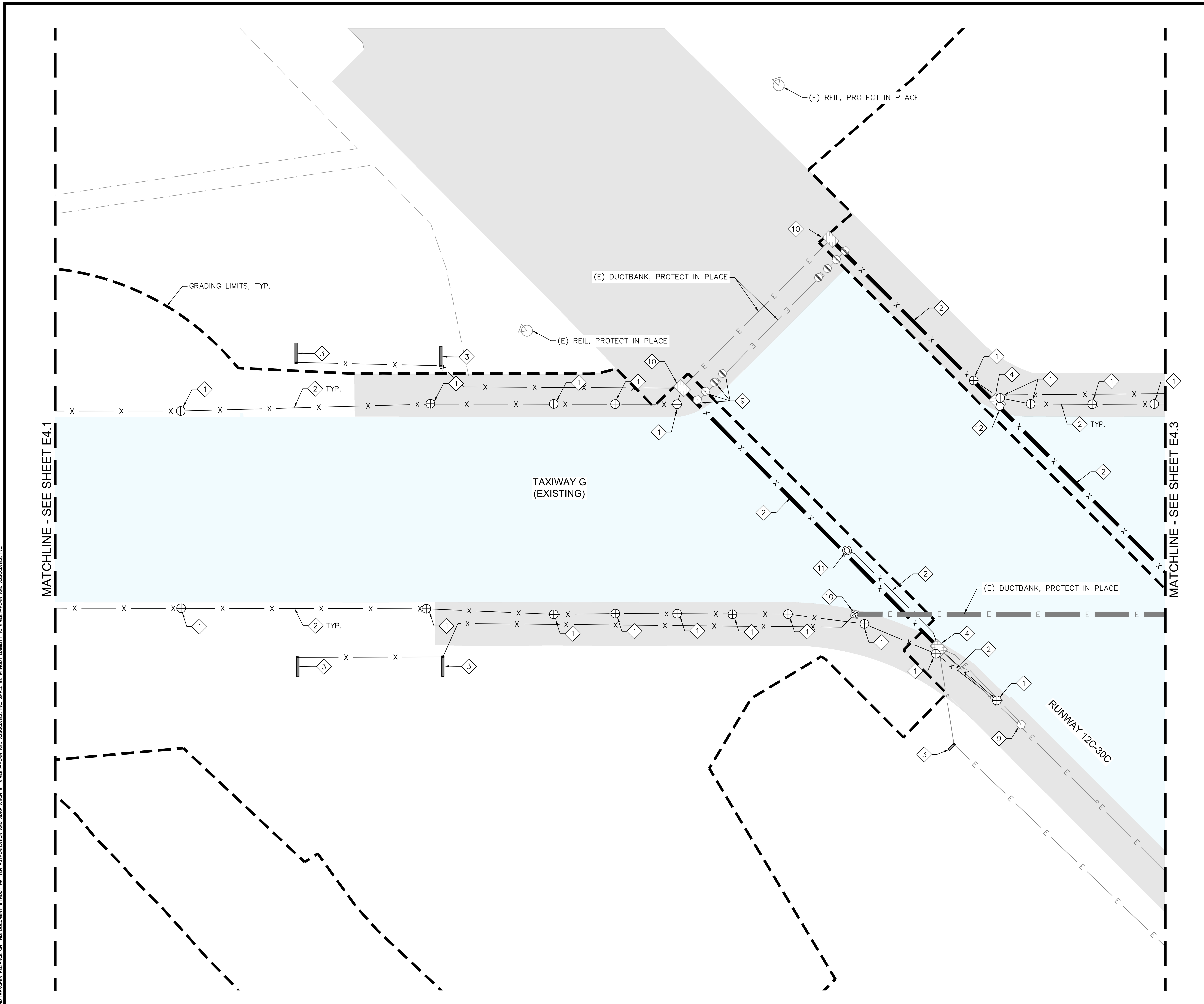
PROJECT NAME
MESA GATEWAY AIRPORT
TAXIWAY G REALIGNMENT

PHASE 2 ELECTRICAL DEMOLITION PLAN
SHEET 1 OF 4

PROJECT NO. 091134073
FILE NO. 091134073 - ED01 (Phase 2)

E4.1



PHASE 2 DEMOLITION NOTES:

1. REMOVE EXISTING TAXIWAY EDGE LIGHT, ISOLATION XFMR, CABLING, AND BASE CAN.
2. REMOVE CONDUIT/DUCT AND AIRFIELD CABLING TO LIMITS OF DEMOLITION AS SHOWN. FOR CIRCUITS THAT ARE TO REMAIN ACTIVE DURING CONSTRUCTION, PULL CABLE BACK TO NEAREST JUNCTION POINT TO REMAIN AND INSTALL TEMPORARY CIRCUIT JUMPERS AS REQUIRED. SEE EXISTING CONDITIONS CIRCUIT MAPS FOR EXISTING CIRCUIT ROUTING.
3. REMOVE EXISTING AIRFIELD GUIDANCE SIGN AND FOUNDATION.
4. REMOVE EXISTING HANDHOLE.
9. PROTECT EXISTING RUNWAY END/EDGE LIGHT IN PLACE.
10. PROTECT EXISTING HANDHOLE IN PLACE.
11. REMOVE EXISTING HIRL IN-PAVEMENT RUNWAY EDGE LIGHT, ISOLATION XFMR, CABLING, AND BASE CAN. SALVAGE LIGHT FIXTURE FOR REINSTALLATION ON NEW BASE CAN.
12. REMOVE EXISTING HIRL ELEVATED RUNWAY EDGE LIGHT, ISOLATION XFMR, CABLING, AND BASE CAN. SALVAGE LIGHT FIXTURE FOR REINSTALLATION ON NEW BASE CAN.

GRAPHIC SCALE

40 0 20 40 80

(IN FEET)

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FIRM'S SEAL

SCALE
Horiz. 1" = 40'
Vert.

Date 11/26/2025
Designed by JPT
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Approved by JDB

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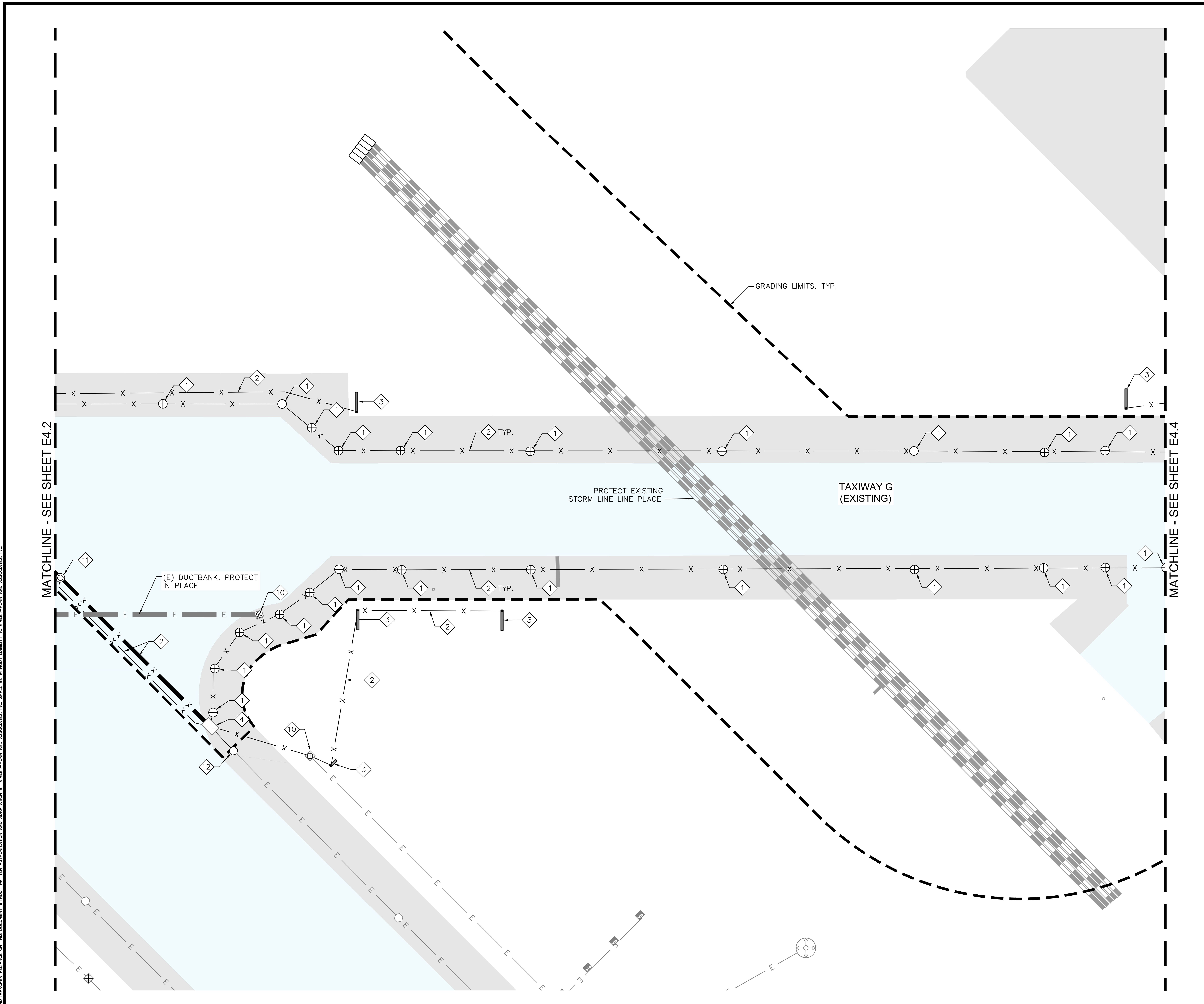
PROJECT NAME
MESA GATEWAY AIRPORT
TAXIWAY G REALIGNMENT

PHASE 2 ELECTRICAL DEMOLITION PLAN
SHEET 2 OF 4

PROJECT NO. 091134073
FILE NO. 091134073 - ED01 (Phase 2)

E4.2



PHASE 2 DEMOLITION NOTES:

1. REMOVE EXISTING TAXIWAY EDGE LIGHT, ISOLATION XFMR, CABLING, AND BASE CAN.
2. REMOVE CONDUIT/DUCT AND AIRFIELD CABLING TO LIMITS OF DEMOLITION AS SHOWN. FOR CIRCUITS THAT ARE TO REMAIN ACTIVE DURING CONSTRUCTION, PULL CABLE BACK TO NEAREST JUNCTION POINT TO REMAIN AND INSTALL TEMPORARY CIRCUIT JUMPERS AS REQUIRED. SEE EXISTING CONDITIONS CIRCUIT MAPS FOR EXISTING CIRCUIT ROUTING.
3. REMOVE EXISTING AIRFIELD GUIDANCE SIGN AND FOUNDATION.
4. REMOVE EXISTING HANDHOLE.
10. PROTECT EXISTING HANDHOLE IN PLACE.
11. REMOVE EXISTING HIRL IN-PAVEMENT RUNWAY EDGE LIGHT, ISOLATION XFMR, CABLING, AND BASE CAN. SALVAGE LIGHT FIXTURE FOR REINSTALLATION ON NEW BASE CAN.
12. REMOVE EXISTING HIRL ELEVATED RUNWAY EDGE LIGHT, ISOLATION XFMR, CABLING, AND BASE CAN. SALVAGE LIGHT FIXTURE FOR REINSTALLATION ON NEW BASE CAN.

GRAPHIC SCALE

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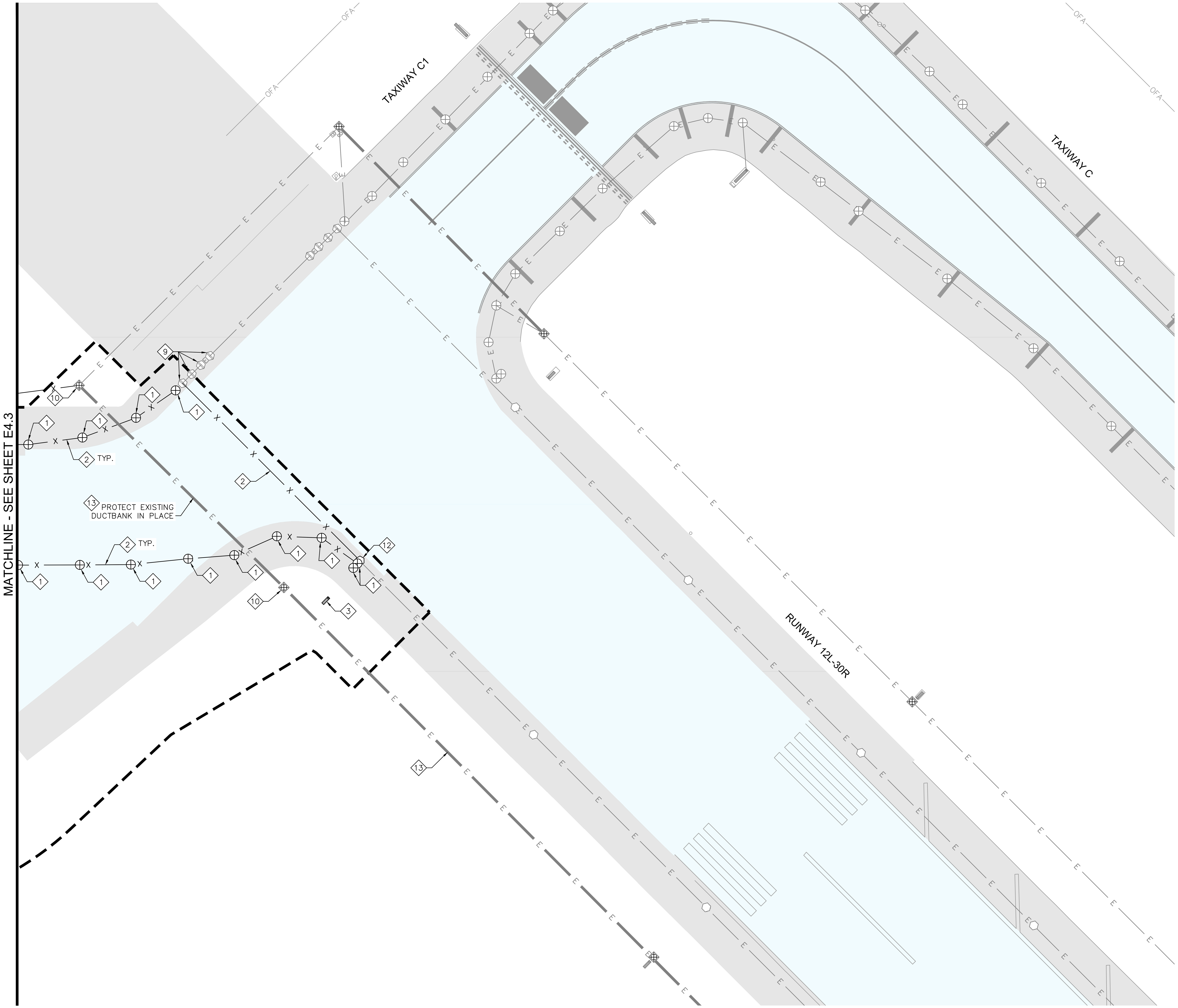
PHASE 2 ELECTRICAL DEMOLITION PLAN
SHEET 3 OF 4

PROJECT NO. 091134073

FILE NO. 091134073 - ED01 (Phase 2)

E4.3

SHEET 125 of 153



PHASE 2 DEMOLITION NOTES:

1. REMOVE EXISTING TAXIWAY EDGE LIGHT, ISOLATION XFMR, CABLING, AND BASE CAN.
2. REMOVE CONDUIT/DUCT AND AIRFIELD CABLING TO LIMITS OF DEMOLITION AS SHOWN. FOR CIRCUITS THAT ARE TO REMAIN ACTIVE DURING CONSTRUCTION, PULL CABLE BACK TO NEAREST JUNCTION POINT TO REMAIN AND INSTALL TEMPORARY CIRCUIT JUMPERS AS REQUIRED. SEE EXISTING CONDITIONS CIRCUIT MAPS FOR EXISTING CIRCUIT ROUTING.
3. REMOVE EXISTING AIRFIELD GUIDANCE SIGN AND FOUNDATION.
9. PROTECT EXISTING RUNWAY END/EDGE LIGHT IN PLACE.
10. PROTECT EXISTING HANDHOLE IN PLACE.
12. REMOVE EXISTING HIRL ELEVATED RUNWAY EDGE LIGHT, ISOLATION XFMR, CABLING, AND BASE CAN. SALVAGE LIGHT FIXTURE FOR REINSTALLATION ON NEW BASE CAN.
13. REMOVE CABLING FOR TAXIWAY G EDGE LIGHTING CIRCUIT FROM EXISTING DUCTBANK BACK TO AIRFIELD LIGHTING VAULT. SEE EXISTING CONDITIONS CIRCUIT MAPS FOR EXISTING CIRCUIT ROUTING.

GRAPHIC SCALE
40 0 20 40 80
(IN FEET)

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TAXIWAY G REALIGNMENT

PHASE 2 ELECTRICAL DEMOLITION PLAN
SHEET 4 OF 4

PROJECT NO. 091134073
FILE NO. 091134073 - ED01 (Phase 2)
E4.4
SHEET 126 of 153

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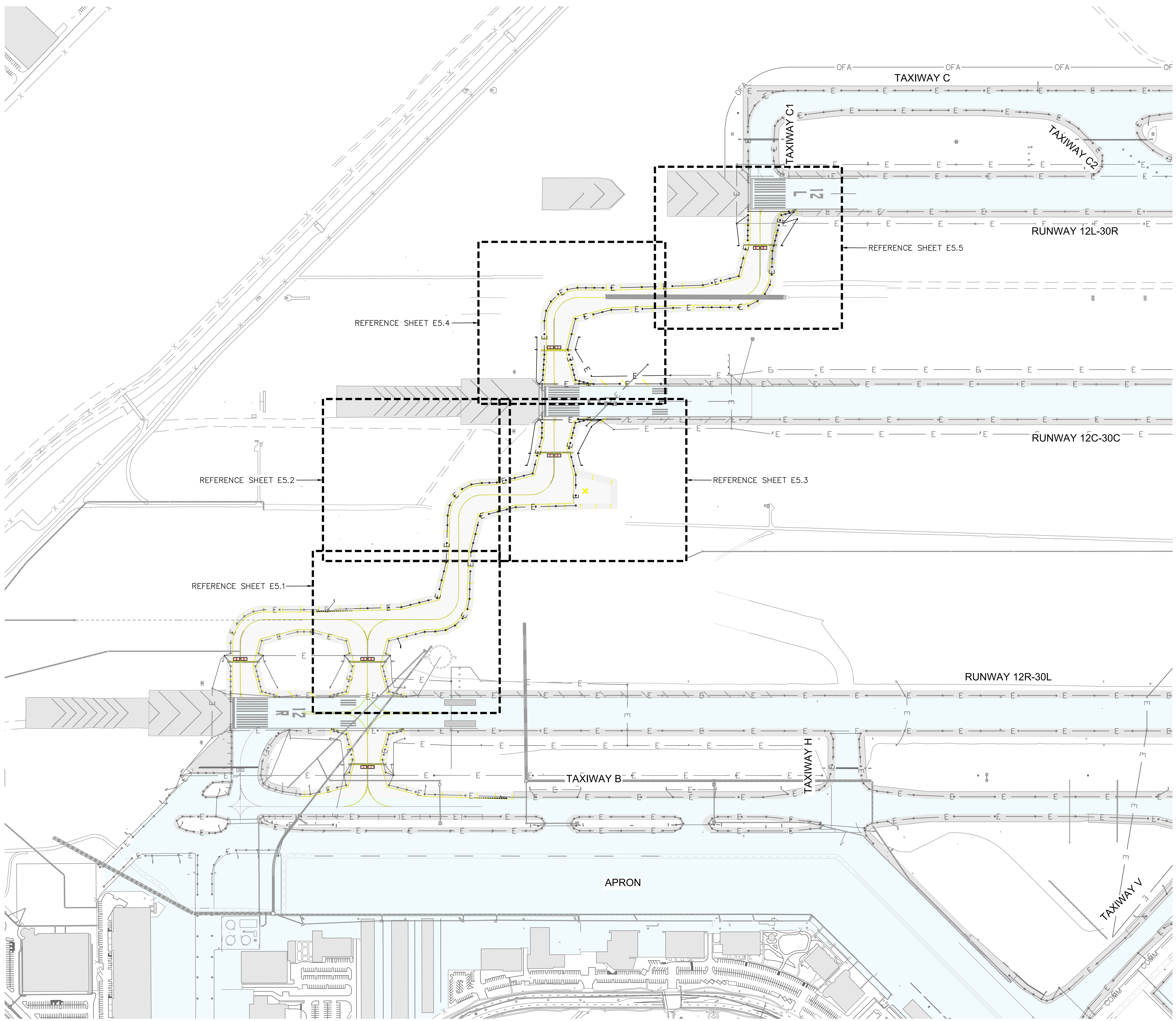

LEGEND

	GRADING LIMITS
	ELECTRICAL CONDUIT TO REMAIN
	ELECTRICAL DUCTBANK TO REMAIN
	ELECTRICAL CONDUIT TO BE REMOVED
	ELECTRICAL DUCTBANK TO BE REMOVED
	(E) TAXIWAY EDGE LIGHT TO REMAIN
	(N) L-861T(L) LED TAXIWAY EDGE LIGHT
	(E) ELEVATED RUNWAY EDGE LIGHT TO REMAIN
	(N) L-861SE(L)/L-862SE(L) RUNWAY EDGE LIGHT
	(E) SEMI-FLUSH RUNWAY EDGE LIGHT TO REMAIN
	(N) L-850C(L) SEMI-FLUSH RUNWAY EDGE LIGHT
	(N) L-867 BASE CAN WITH BLANK LID
	HANDHOLE OR MANHOLE TO REMAIN
	(N) AIRCRAFT LOAD RATED HANDHOLE
	(E) AIRFIELD GUIDANCE SIGN TO REMAIN
	(N) SIZE 3 AIRFIELD GUIDANCE SIGN
	(N) L-804(L) RUNWAY GUARD LIGHTS

4-2 CE — R1S RGL R1S TWY G — CIRCUITS IN DUCTBANK
DUCT INSTALLATION METHOD
DUCT CONFIGURATION (QTY – TRADE SIZE)

GENERAL NOTES:

1. ALL SPLICES TO EXISTING CIRCUITS MUST INCLUDE A NEW L-823 CONNECTOR. ALL SPLICES SHALL OCCUR IN A BASE CAN OR HANDHOLE. SLACK CABLE AT EDGE LIGHT BASE CANS AND HANDHOLES SHALL BE INCIDENTAL TO THE AIRFIELD CABLING QUANTITY.
2. THE ATTEMPT TO IDENTIFY ALL MISCELLANEOUS ELECTRICAL FACILITIES HAS BEEN MADE. IN THE CASE WHERE ANY ELECTRICAL FACILITIES HAVE BEEN OMITTED, THE CONTRACTOR SHALL REMOVE THE ITEMS WITH COST BEING INCIDENTAL.
3. REFER TO C1.4 FOR PROJECT LAYOUT PLAN AND C1.5 FOR HORIZONTAL CONTROL.
4. ALL PROPOSED CONDUIT/DUCT TO BE INSTALLED UNDER FULL STRENGTH PAVEMENT IS TO BE CONCRETE ENCASED.
5. CONTRACTOR TO PROVIDE ALL NECESSARY LABOR, EQUIPMENT, AND MATERIAL FOR TESTING NEW OR ALTERED CIRCUITS AFTER INSTALLATION. CONTRACTOR TO MEGGER TEST EXISTING CABLE CIRCUIT PRIOR TO SPLICING NEW CABLE. CONTRACTOR TO PROVIDE AIRPORT ENGINEER WITH ANY UNSATISFACTORY MEGGER TEST RESULTS.

ELECTRICAL ABBREVIATIONS:

ALV	AIRFIELD LIGHTING VAULT
ATCT	AIR TRAFFIC CONTROL TOWER
BC	BARE COPPER
CCR	CONSTANT CURRENT REGULATOR
C, CNDT	CONDUIT
CKT	CIRCUIT
C.E.	CONCRETE ENCASED
D.B.	DIRECT BURIED
(E)	EXISTING
FAA	FEDERAL AVIATION ADMINISTRATION
HIRL	HIGH INTENSITY RUNWAY LIGHT
ILS	INSTRUMENT LANDING SYSTEM
LOC	LOCALIZER
LT	OFFSET LEFT OF CENTERLINE
MIRL	MEDIUM INTENSITY RUNWAY LIGHT
MITL	MEDIUM INTENSITY TAXIWAY LIGHT
(N)	NEW/PROPOSED
OFF	OFFSET FROM CENTERLINE
PAPI	PRECISION APPROACH PATH INDICATOR
PCC	PORTLAND CEMENT CONCRETE
P.O.C.	POINT OF CONNECTION
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REIL	RUNWAY END IDENTIFIER LIGHT
RGL	RUNWAY GUARD LIGHT
RWY	RUNWAY
STA	STATION VALUE OF CENTERLINE
TWY	TAXIWAY
XFMR	TRANSFORMER

GRAPHIC SCALE
250 0 125 250 500
(IN FEET)

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In Maricopa County: (602) 263-1100

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NO.	REVISION	BY	DATE

FIRM'S NAME
Kimley»Horn
KIMLEY-HORN AND ASSOCIATES, INC.
2046 Riverview Auto Dr., SUITE 400
Mesa, Arizona 85210 (480) 207-2666

FIRM'S SEAL

SCALE
Horiz.
Vert.
Date 11/26/2025
Designed by JPT
Drawn by JPT
Checked by DJC
Approved by JDB

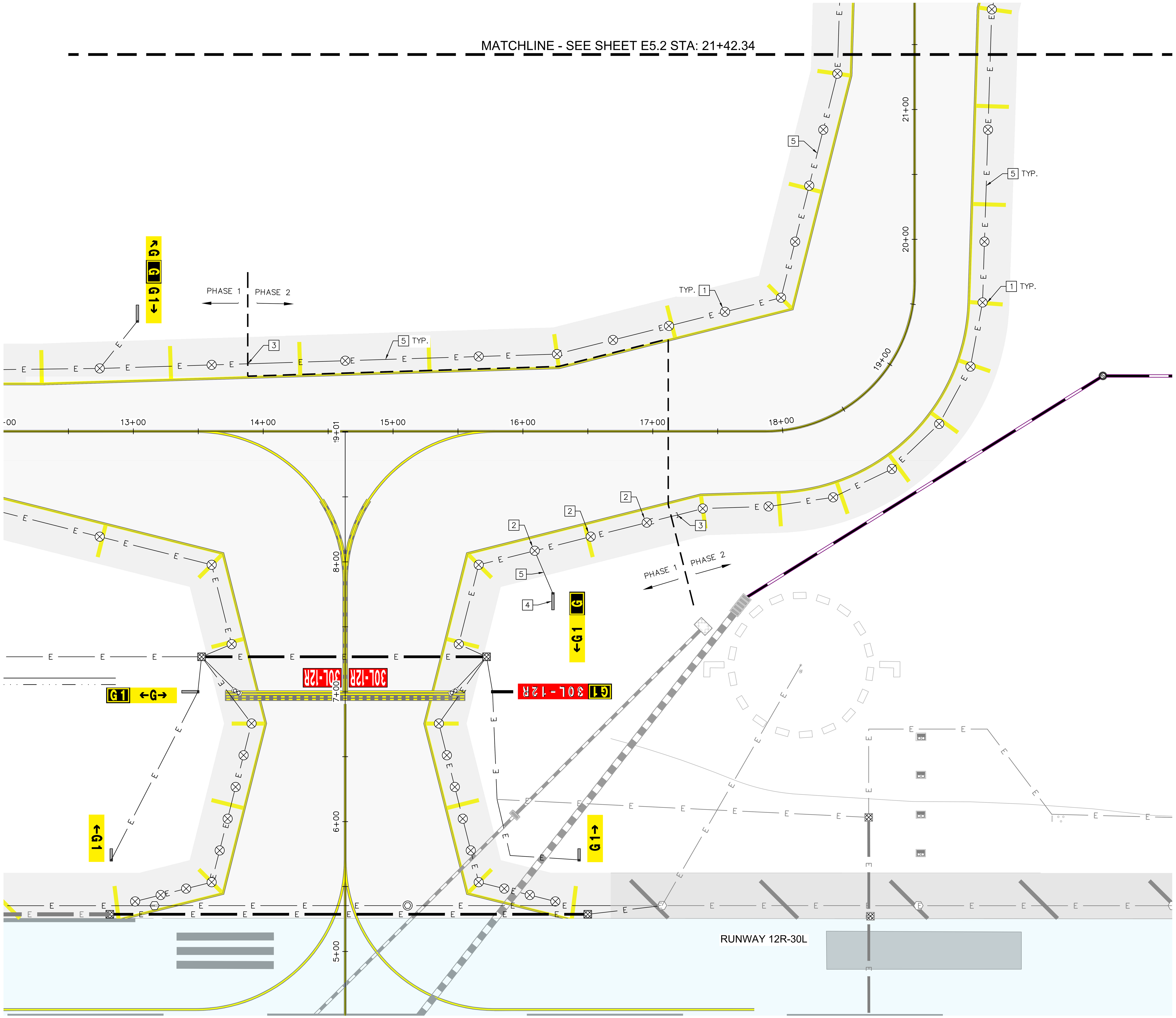
Mesa Gateway Airport
MESA GATEWAY AIRPORT AUTHORITY
5835 SOUTH SOSSAMAN ROAD
MESA, ARIZONA 85212
(480) 988-7600
GATEWAYAIRPORT.COM

PROJECT NAME
MESA GATEWAY AIRPORT
TAXIWAY G REALIGNMENT

ELECTRICAL LAYOUT KEY MAP - PHASE 2
SHEET 1 OF 1

PROJECT NO. 091134073
FILE NO. 091134073 - EL00 (Phase 2)
E5.0
SHEET 127 of 153

K:\EAV_Aviation\091134073 – Taxiway G Realignment\CADD\091134073 – EL00 (Phase 2).dwg Nov 26, 2025 JC.Cruz



PHASE 2 CONSTRUCTION NOTES:

1. INSTALL NEW L-861T(L) TAXIWAY EDGE LIGHT ON L-867 BASE CAN WITH NEW ISOLATION XFMR AND L-823 SPLICE CONNECTOR KIT. SEE DETAIL 2 SHEET E7.0.
2. INSTALL NEW L-861T(L) TAXIWAY EDGE LIGHT ON EXISTING BASE CAN (INSTALLED IN PHASE 1) WITH NEW ISOLATION XFMR AND L-823 SPLICE CONNECTOR KIT. SEE DETAIL 2 SHEET E7.0.
3. INTERCEPT EXISTING CONDUIT AND CABLING (INSTALLED IN PHASE 1) WITH NEW CONDUIT AND EXTEND TO PROPOSED EDGE LIGHT BASE CAN.
4. INSTALL NEW L-858(L) SIZE 3 AIRFIELD GUIDANCE SIGN ON NEW CONCRETE FOUNDATION. SEE DETAIL 1 SHEET E7.4.
5. INSTALL 1-2" SCH. 40 PVC CONDUIT, D.B.

GENERAL NOTES:

1. ALL CONDUIT/DUCT TO BE INSTALLED UNDER FULL STRENGTH PAVEMENT IS TO BE CONCRETE ENCASED (C.E.)
2. CONDUIT/DUCT INSTALLED IN SHOULDERS OR IN INFIELD AREAS NOT UNDER FULL STRENGTH PAVEMENT IS TO BE DIRECT BURIED (D.B.)
3. CONTRACTOR TO COORDINATE CONDUIT/DUCT CROSSINGS WITH ALL OTHER NEW OR EXISTING UTILITIES PRIOR TO TRENCHING OPERATIONS.
4. REFER TO CIRCUIT MAPS FOR HOMERUN CABLE ROUTING AND INSTALLATION OF L-824 5KV AIRFIELD CABLING.

GRAPHIC SCALE

40 0 20 40 80

(IN FEET)

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NO.	REVISION	BY	DATE

FIRM'S NAME: Kimley-Horn — KIMLEY-HORN AND ASSOCIATES, INC. 2046 Riverview Auto Dr, SUITE 400, Mesa, Arizona 85210 (480) 207-2666

FIRM'S SEAL

SCALE: Horiz. 1" = 40' Vert.

Date 11/26/2025
Designed by JPT
Drawn by JPT
Checked by DJC
Approved by JDB

Mesa Gateway Airport
MESA GATEWAY AIRPORT AUTHORITY
5835 SOUTH SOSSAMAN ROAD
MESA, ARIZONA 85212
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GATEWAYAIRPORT.COM

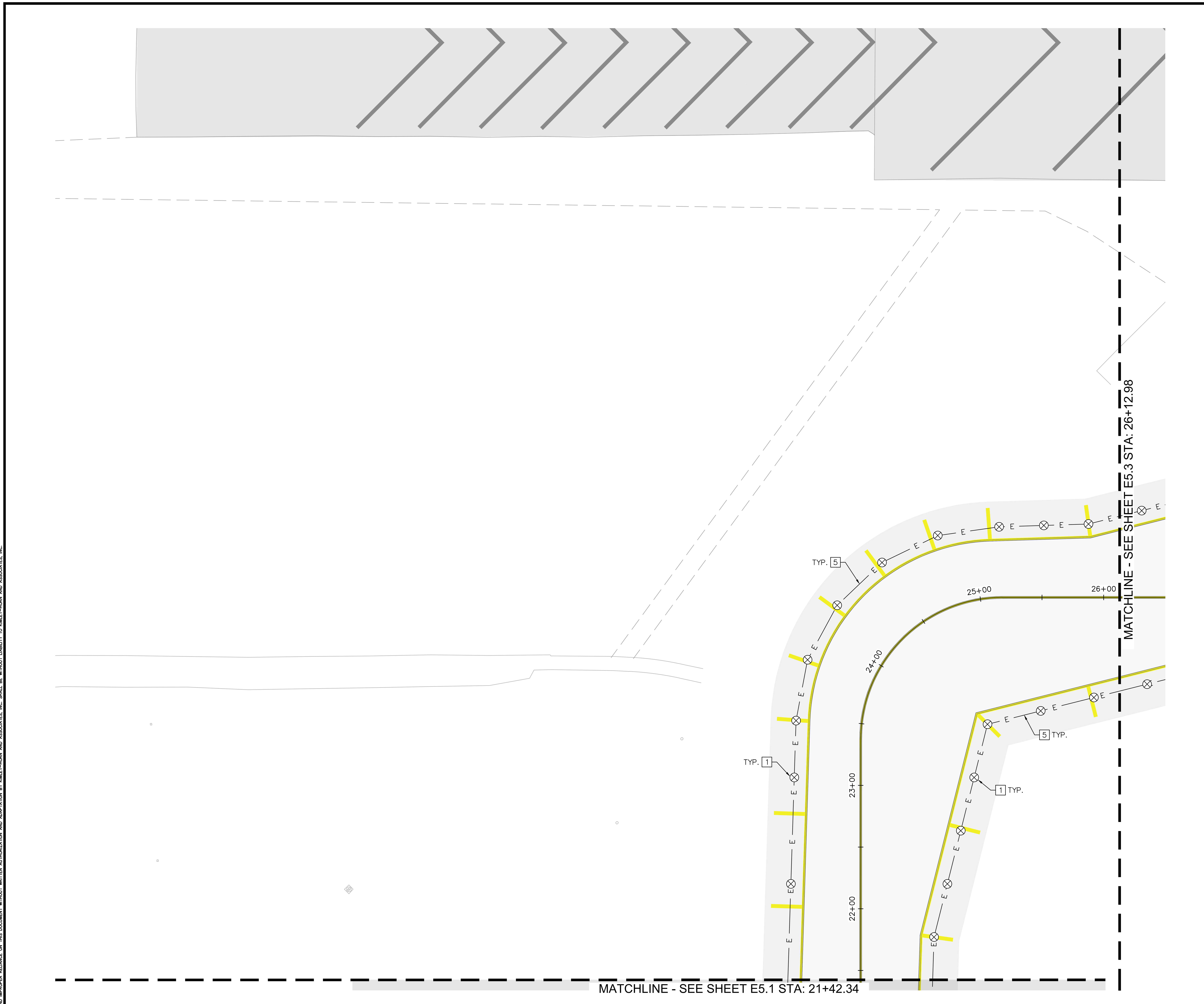
PROJECT NAME: MESA GATEWAY AIRPORT TAXIWAY G REALIGNMENT

PHASE 2 ELECTRICAL LAYOUT PLAN
SHEET 1 OF 6

PROJECT NO. 091134073
FILE NO. 091134073 - EL01 (Phase 2)

E5.1

SHEET 128 of 153



PHASE 2 CONSTRUCTION NOTES:

1. INSTALL NEW L-861T(L) TAXIWAY EDGE LIGHT ON L-867 BASE CAN WITH NEW ISOLATION XFMR AND L-823 SPLICE CONNECTOR KIT. SEE DETAIL 2 SHEET E7.0.

5. INSTALL 1-2" SCH. 40 PVC CONDUIT, D.B.

GENERAL NOTES:

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GRAPHIC SCALE

40 0 20 40 80

(IN FEET)

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2046 Riverview Auto Dr., SUITE 400
Mesa, Arizona 85210 (480) 207-2666

FIRM'S SEAL

SCALE
Horiz. 1" = 40'
Vert.

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PROJECT NAME

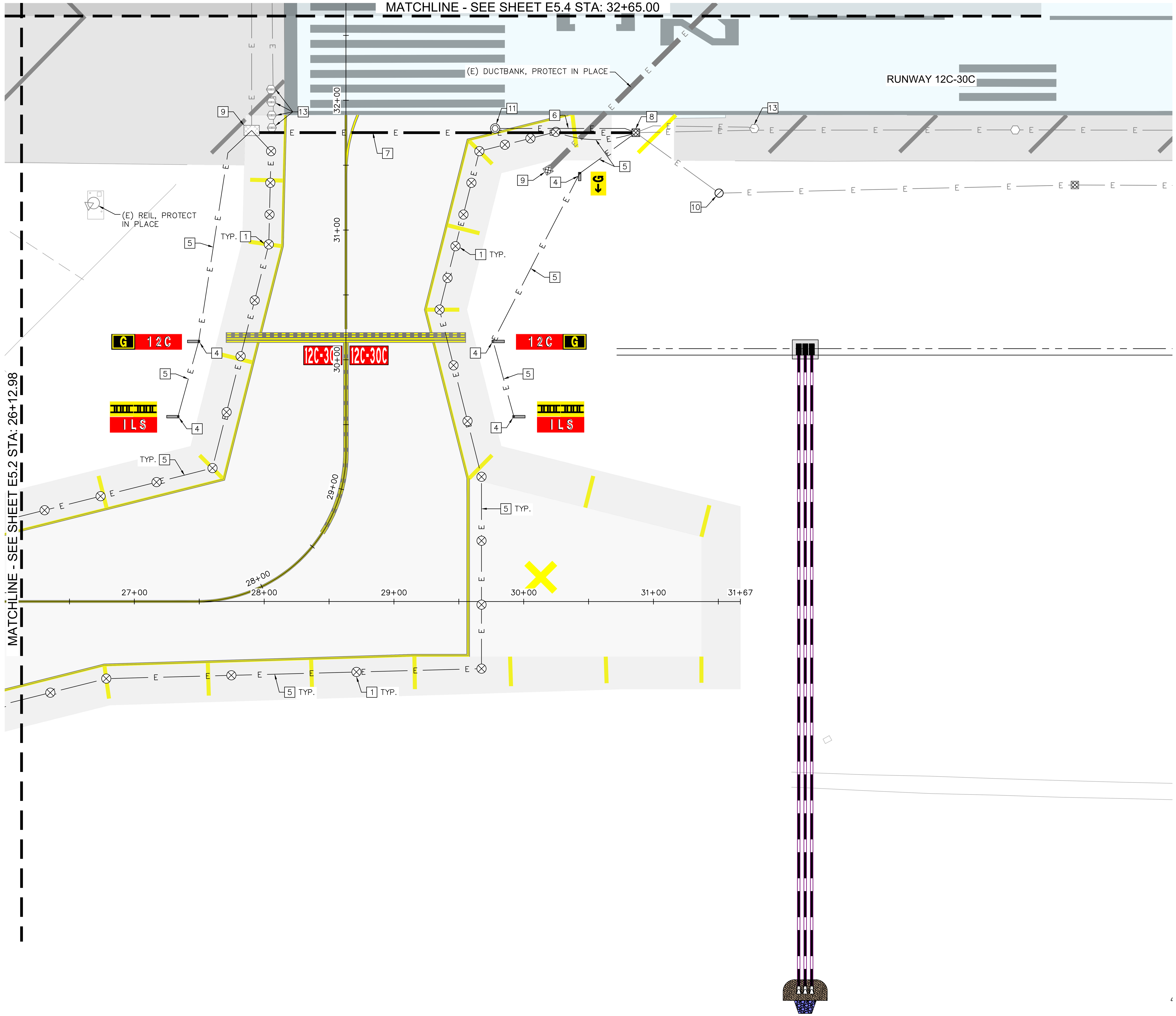
MESA GATEWAY AIRPORT
TAXIWAY G REALIGNMENT

PHASE 2 ELECTRICAL LAYOUT PLAN
SHEET 4 OF 8

PROJECT NO. 091134073

FILE NO. 091134073 - EL01 (Phase 2)

E5.2



PHASE 2 CONSTRUCTION NOTES:

1. INSTALL NEW L-861T(L) TAXIWAY EDGE LIGHT ON L-867 BASE CAN WITH NEW ISOLATION XFMR AND L-823 SPLICE CONNECTOR KIT. SEE DETAIL 2 SHEET E7.0.
4. INSTALL NEW L-858(L) SIZE 3 AIRFIELD GUIDANCE SIGN ON NEW CONCRETE FOUNDATION. SEE DETAIL 1 SHEET E7.4.
5. INSTALL 1-2" SCH. 40 PVC CONDUIT, D.B.
6. INSTALL 1-2" SCH. 40 PVC CONDUIT, C.E.
7. INSTALL 4-2" SCH. 40 PVC CONDUIT, C.E.
8. INSTALL NEW AIRCRAFT LOAD RATED CONCRETE HANDHOLE WITH PISTON ASSIST LID. SEE DETAIL 1 SHEET E7.5.
9. PROVIDE LOCALIZED GRADING AROUND EXISTING HANDHOLE TO ADJUST HANDHOLE TO NEW FINISHED GRADE. INTERCEPT HANDHOLE WITH NEW CONDUIT AS SHOWN (IF APPLICABLE).
10. INTERCEPT EXISTING CONDUIT AT OLD SIGN LOCATION AND INSTALL NEW L-867 BASE CAN WITH BLANK STEEL COVER. PROTECT IN PLACE CABLING FOR EXISTING SIGN CIRCUIT.
11. INSTALL SALVAGED L-850C(L) HIRL SEMI-FLUSH IN-PAVEMENT EDGE LIGHT ON NEW L-868 BASE CAN WITH NEW ISOLATION XFMR AND L-823 SPLICE CONNECTOR KIT. SEE DETAIL 1 SHEET E7.1.
13. PROTECT EXISTING RUNWAY EDGE/END LIGHT IN PLACE.

GENERAL NOTES:

1. ALL CONDUIT/DUCT TO BE INSTALLED UNDER FULL STRENGTH PAVEMENT IS TO BE CONCRETE ENCASED (C.E.)
2. CONDUIT/DUCT INSTALLED IN SHOULDERS OR IN INFIELD AREAS NOT UNDER FULL STRENGTH PAVEMENT IS TO BE DIRECT BURIED (D.B.)
3. CONTRACTOR TO COORDINATE CONDUIT/DUCT CROSSINGS WITH ALL OTHER NEW OR EXISTING UTILITIES PRIOR TO TRENCHING OPERATIONS.
4. REFER TO CIRCUIT MAPS FOR HOMERUN CABLE ROUTING AND INSTALLATION OF L-824 5KV AIRFIELD CABLING.

GRAPHIC SCALE

40 0 20 40 80

(IN FEET)

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NO.	REVISION	DATE	BY

FIRM'S NAME: Kimley»Horn

KIMLEY-HORN AND ASSOCIATES, INC.

FIRM'S SEAL

SCALE: Horiz. 1" = 40' Vert.

Date 11/26/2025
Designed by JPT
Drawn by JPT
Checked by DJC
Approved by JDB

Mesa Gateway Airport

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5835 SOUTH SOSSAMAN ROAD
MESA, ARIZONA 85212
(480) 988-7600
GATEWAYAIRPORT.COM

PROJECT NAME: MESA GATEWAY AIRPORT TAXIWAY G REALIGNMENT

PHASE 2 ELECTRICAL LAYOUT PLAN

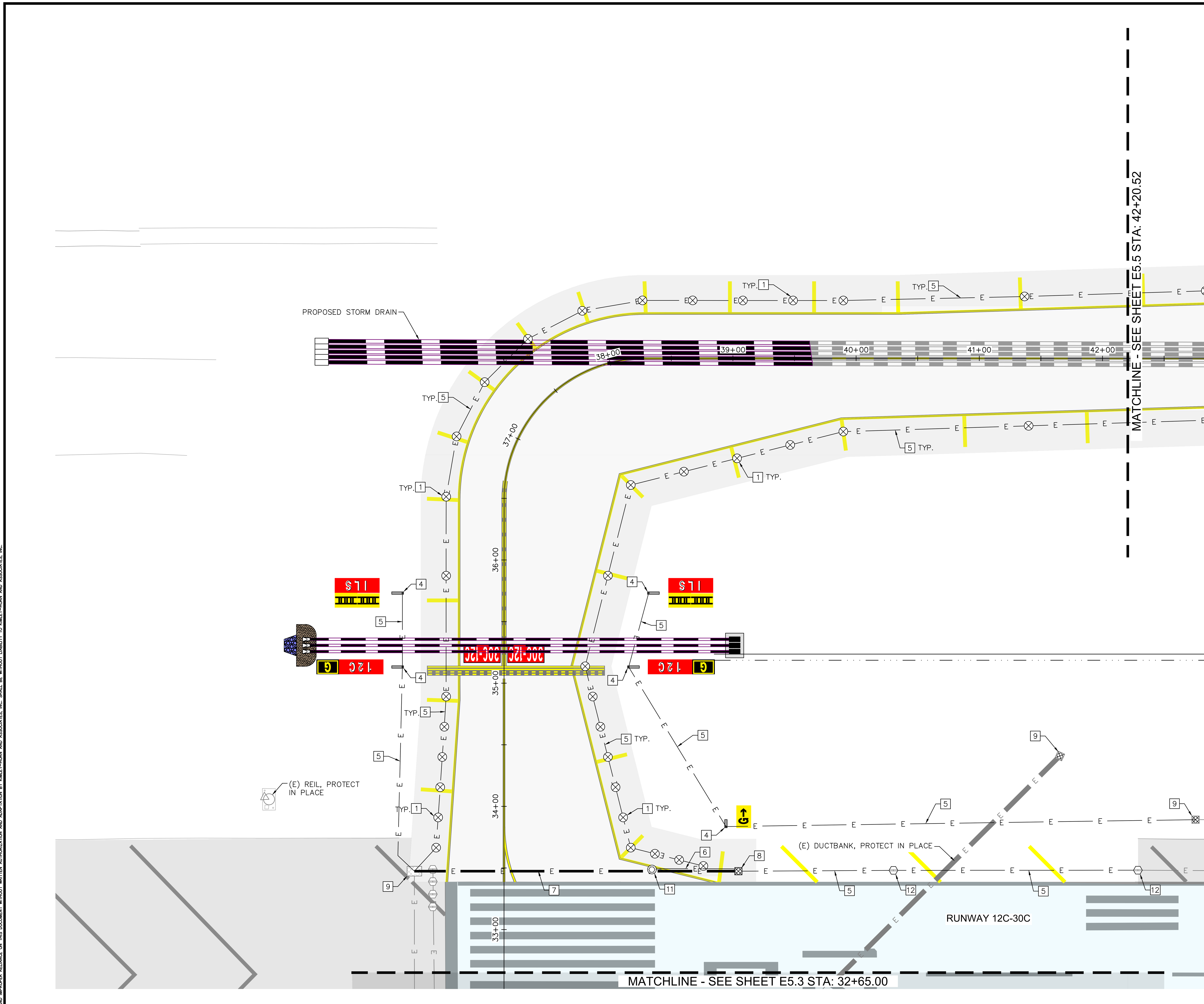
SHEET 5 OF 8

PROJECT NO. 091134073

FILE NO. 091134073 - EL01 (Phase 2)

E5.3

SHEET 130 of 153



PHASE 2 CONSTRUCTION NOTES:

1. INSTALL NEW L–861T(L) TAXIWAY EDGE LIGHT ON L–867 BASE CAN WITH NEW ISOLATION XFMR AND L–823 SPLICE CONNECTOR KIT. SEE DETAIL 2 SHEET E7.0.
4. INSTALL NEW L–858(L) SIZE 3 AIRFIELD GUIDANCE SIGN ON NEW CONCRETE FOUNDATION. SEE DETAIL 1 SHEET E7.4.
5. INSTALL 1–2" SCH. 40 PVC CONDUIT, D.B.
6. INSTALL 1–2" SCH. 40 PVC CONDUIT, C.E.
7. INSTALL 4–2" SCH. 40 PVC CONDUIT, C.E.
8. INSTALL NEW AIRCRAFT LOAD RATED CONCRETE HANDHOLE WITH PISTON ASSIST LID. SEE DETAIL 1 SHEET E7.5.
9. PROVIDE LOCALIZED GRADING AROUND EXISTING HANDHOLE TO ADJUST HANDHOLE TO NEW FINISHED GRADE. INTERCEPT HANDHOLE WITH NEW CONDUIT AS SHOWN (IF APPLICABLE).
11. INSTALL SALVAGED L–850C(L) HIRL SEMI–FLUSH IN–PAVEMENT EDGE LIGHT ON NEW L–868 BASE CAN WITH NEW ISOLATION XFMR AND L–823 SPLICE CONNECTOR KIT. SEE DETAIL 1 SHEET E7.1.
12. INSTALL SALVAGED L–862(L) HIRL ELEVATED EDGE LIGHT ON NEW L–867 BASE CAN WITH NEW ISOLATION XFMR AND L–823 SPLICE CONNECTOR KIT. SEE DETAIL 1 SHEET E7.0.

GENERAL NOTES:

1. ALL CONDUIT/DUCT TO BE INSTALLED UNDER FULL STRENGTH PAVEMENT IS TO BE CONCRETE ENCASED (C.E.)
2. CONDUIT/DUCT INSTALLED IN SHOULDERS OR IN INFIELD AREAS NOT UNDER FULL STRENGTH PAVEMENT IS TO BE DIRECT BURIED (D.B.)
3. CONTRACTOR TO COORDINATE CONDUIT/DUCT CROSSINGS WITH ALL OTHER NEW OR EXISTING UTILITIES PRIOR TO TRENCHING OPERATIONS.
4. REFER TO CIRCUIT MAPS FOR HOMERUN CABLE ROUTING AND INSTALLATION OF L–824 5KV AIRFIELD CABLING.

GRAPHIC SCALE
40 0 20 40 80
(IN FEET)

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Mesa, Arizona 85210 (480) 207–2666

FIRM'S SEAL

SCALE
Horiz. 1" = 40'
Vert.
Date 11/26/2025
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Drawn by JPT
Checked by DJC
Approved by JDB

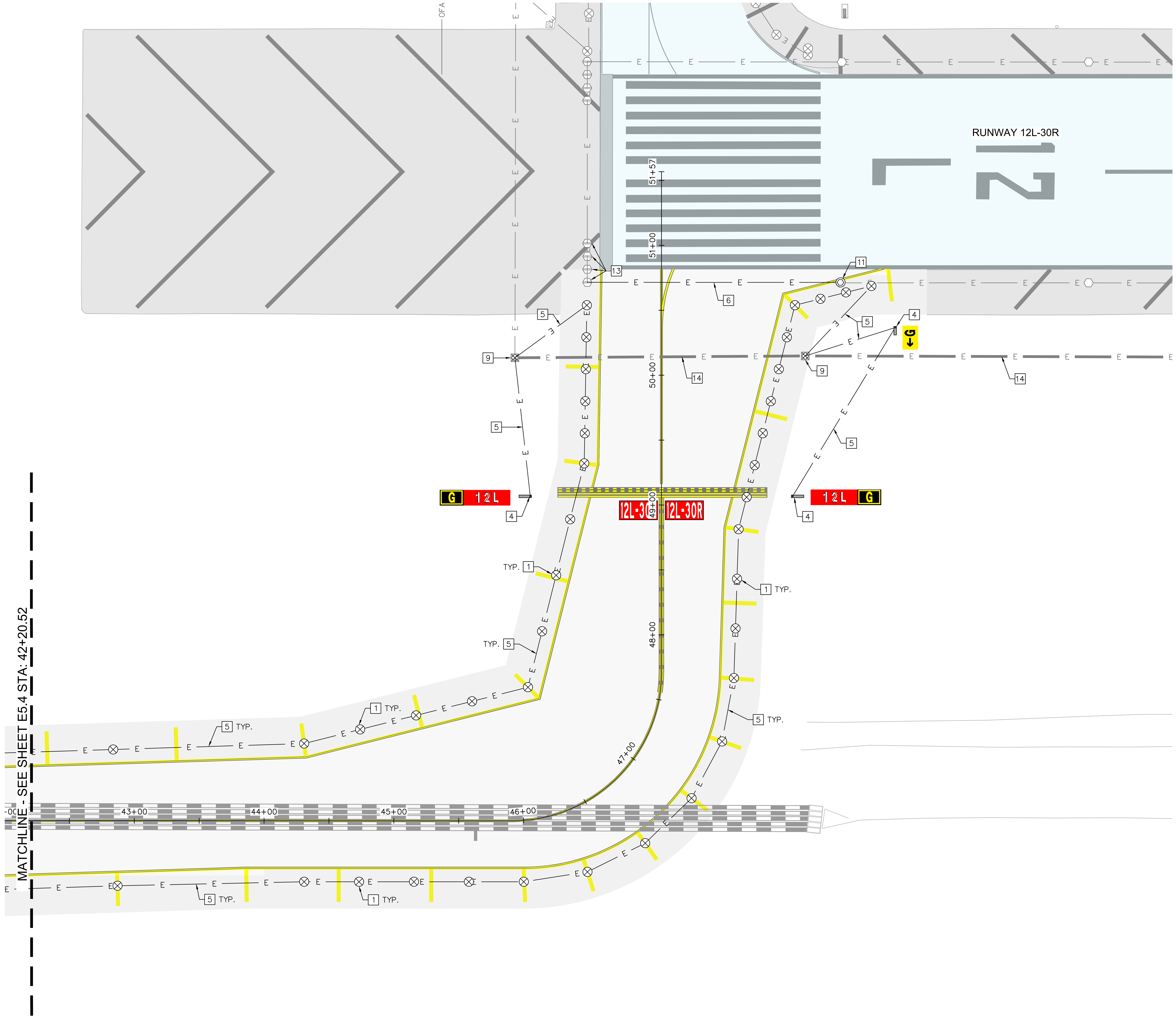
Mesa Gateway Airport
MESA GATEWAY AIRPORT AUTHORITY
5835 SOUTH SOSSAMAN ROAD
MESA, ARIZONA 85212
(480) 988-7600
GATEWAYAIRPORT.COM

PROJECT NAME
MESA GATEWAY AIRPORT
TAXIWAY G REALIGNMENT

PHASE 2 ELECTRICAL LAYOUT PLAN
SHEET 6 OF 8

PROJECT NO. 091134073
FILE NO. 091134073 - EL01 (Phase 2)

E5.4



PHASE 2 CONSTRUCTION NOTES:

1. INSTALL NEW L-861T(L) TAXIWAY EDGE LIGHT ON L-867 BASE CAN WITH NEW ISOLATION XFMR AND L-823 SPLICE CONNECTOR KIT. SEE DETAIL 2 SHEET E7.0.
4. INSTALL NEW L-858(L) SIZE 3 AIRFIELD GUIDANCE SIGN ON NEW CONCRETE FOUNDATION. SEE DETAIL 1 SHEET E7.4.
5. INSTALL 1-2" SCH. 40 PVC CONDUIT, D.B.
6. INSTALL 1-2" SCH. 40 PVC CONDUIT, C.E.
9. PROVIDE LOCALIZED GRADING AROUND EXISTING HANDHOLE TO ADJUST HANDHOLE TO NEW FINISHED GRADE. INTERCEPT HANDHOLE WITH NEW CONDUIT AS SHOWN (IF APPLICABLE).
11. INSTALL SALVAGED L-850C(L) HIRL SEMI-FLUSH IN-PAVEMENT EDGE LIGHT ON NEW L-868 BASE CAN WITH NEW ISOLATION XFMR AND L-823 SPLICE CONNECTOR KIT. SEE DETAIL 1 SHEET E7.1.
13. PROTECT EXISTING RUNWAY EDGE/END LIGHT IN PLACE.
14. INSTALL NEW L-824 5KV AIRFIELD CABLING FOR TAXIWAY G EDGE LIGHTING CIRCUIT IN EXISTING DUCTBANK BACK TO AIRFIELD LIGHTING VAULT. SEE CIRCUIT MAPS FOR PROPOSED CIRCUIT ROUTING.

GENERAL NOTES:

1. ALL CONDUIT/DUCT TO BE INSTALLED UNDER FULL STRENGTH PAVEMENT IS TO BE CONCRETE ENCASED (C.E.)
2. CONDUIT/DUCT INSTALLED IN SHOULDERS OR IN INFIELD AREAS NOT UNDER FULL STRENGTH PAVEMENT IS TO BE DIRECT BURIED (D.B.)
3. CONTRACTOR TO COORDINATE CONDUIT/DUCT CROSSINGS WITH ALL OTHER NEW OR EXISTING UTILITIES PRIOR TO TRENCHING OPERATIONS.
4. REFER TO CIRCUIT MAPS FOR HOMERUN CABLE ROUTING AND INSTALLATION OF L-824 5KV AIRFIELD CABLING.

GRAPHIC SCALE

40 0 20 40 80

(IN FEET)

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2046 Riverview Auto Dr, SUITE 400
Mesa, Arizona 85210 (480) 207-2666

FIRM'S SEAL

SCALE
Horiz. 1" = 40'
Vert.

Date 11/26/2025
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Mesa Gateway Airport

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MESA, ARIZONA 85212
(480) 988-7600
GATEWAYAIRPORT.COM

PROJECT NAME

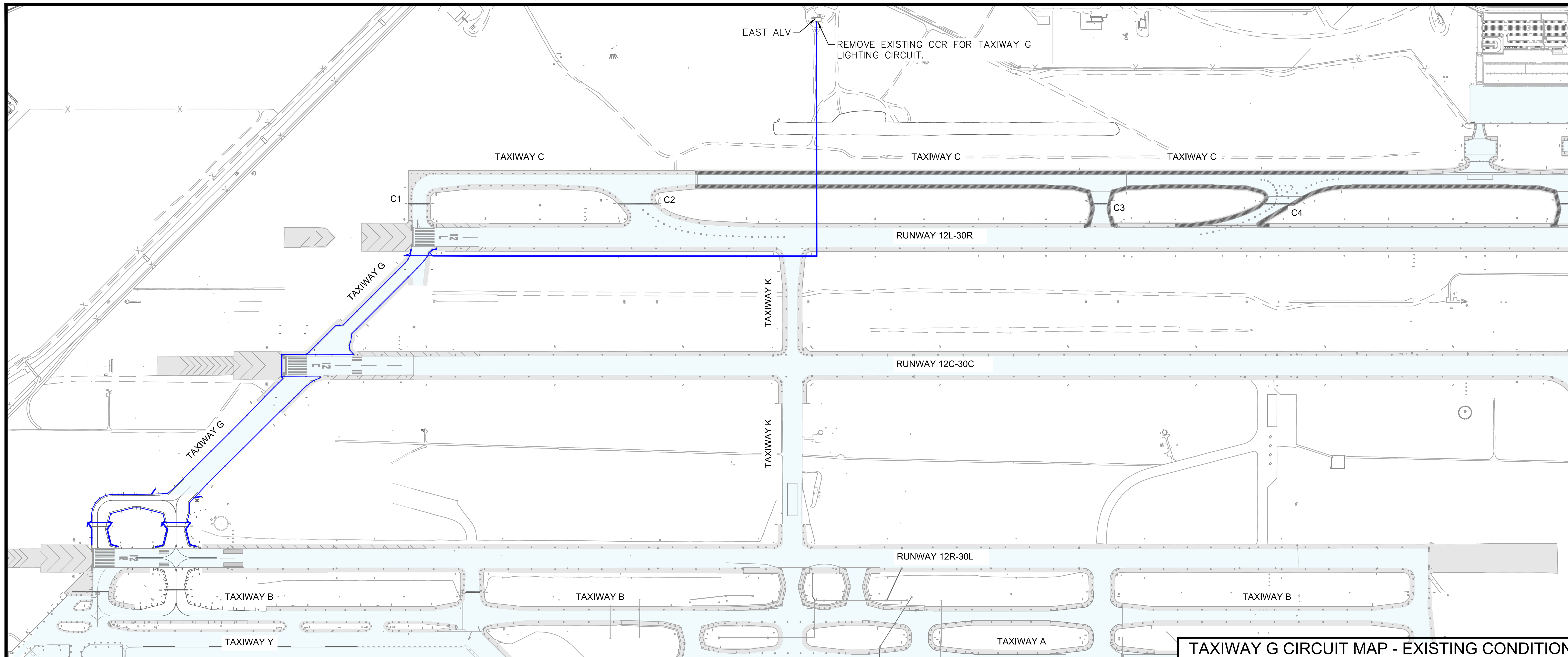
MESA GATEWAY AIRPORT
TAXIWAY G REALIGNMENT

PHASE 2 ELECTRICAL LAYOUT PLAN
SHEET 8 OF 8

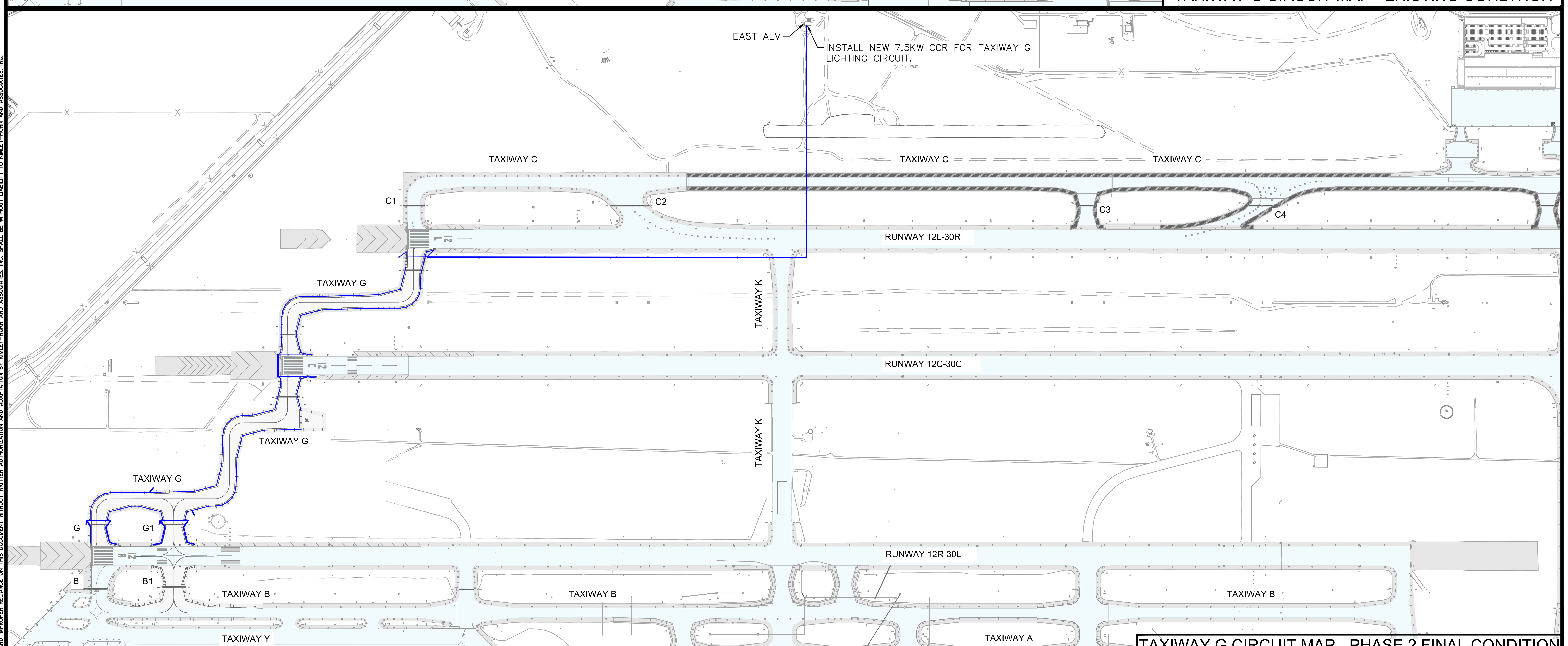
PROJECT NO. 091134073

FILE NO. 091134073 - EL01 (Phase 2)

E5.5



TAXIWAY G CIRCUIT MAP - EXISTING CONDITION



TAXIWAY G CIRCUIT MAP - PHASE 2 FINAL CONDITION

LEGEND

- CABLE TO BE REMOVED
- CABLE TO BE INSTALLED
- EXISTING OR PROPOSED FINAL CIRCUIT CONDITION

CABLE PULLING PHASING NOTES:

1. CONTRACTOR TO DO FIELD INVESTIGATION OF EXISTING CONDUIT PATHING FOR EXISTING CIRCUITS TO BE REMOVED. CONTRACTOR TO MAKE NOTE OF ANY EXISTING CIRCUITS REMAINING IN EXISTING CONDUITS THAT NEW CIRCUITS WILL BE PULLED THROUGH AND PROVIDE CIRCUIT PULLING PLAN TO AIRPORT FOR REVIEW PRIOR TO PULLING NEW CABLE IN HOMERUN DUCTBANK.
2. CONTRACTOR TO PROVIDE TEMPORARY CABLE JUMPERS AS REQUIRED TO MAINTAIN ACTIVE AIRFIELD CIRCUITS WHICH MAY BE AFFECTED BY WORK IN SHARED DUCT BANKS.

CIRCUIT TAXIWAY G DATA TABLE

QUANTITY	ITEM DESC.		FT./ITEM *		TOTAL LENGTH
144	L-861T(L)	x	10 '	=	1,440 '
1	SIGNS	x	10'	=	10 '
20	HANDHOLES	x	20'	=	400 '
	* SLACK CABLE PER SPECS				
	ITEM TOTAL LENGTH			=	1,850 '
	+ PLAN CIRCUIT LENGTH			=	17,930 '
	NOTE: CABLE SHALL BE L-824, #8 AWG CU				
	ESTIMATED AIRFIELD CABLE INSTALLED IN PHASE 1			=	19,780 '

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FIRM'S SEAL

SCALE
Horiz.
Vert.

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Approved by JDB

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GATEWAYAIRPORT.COM

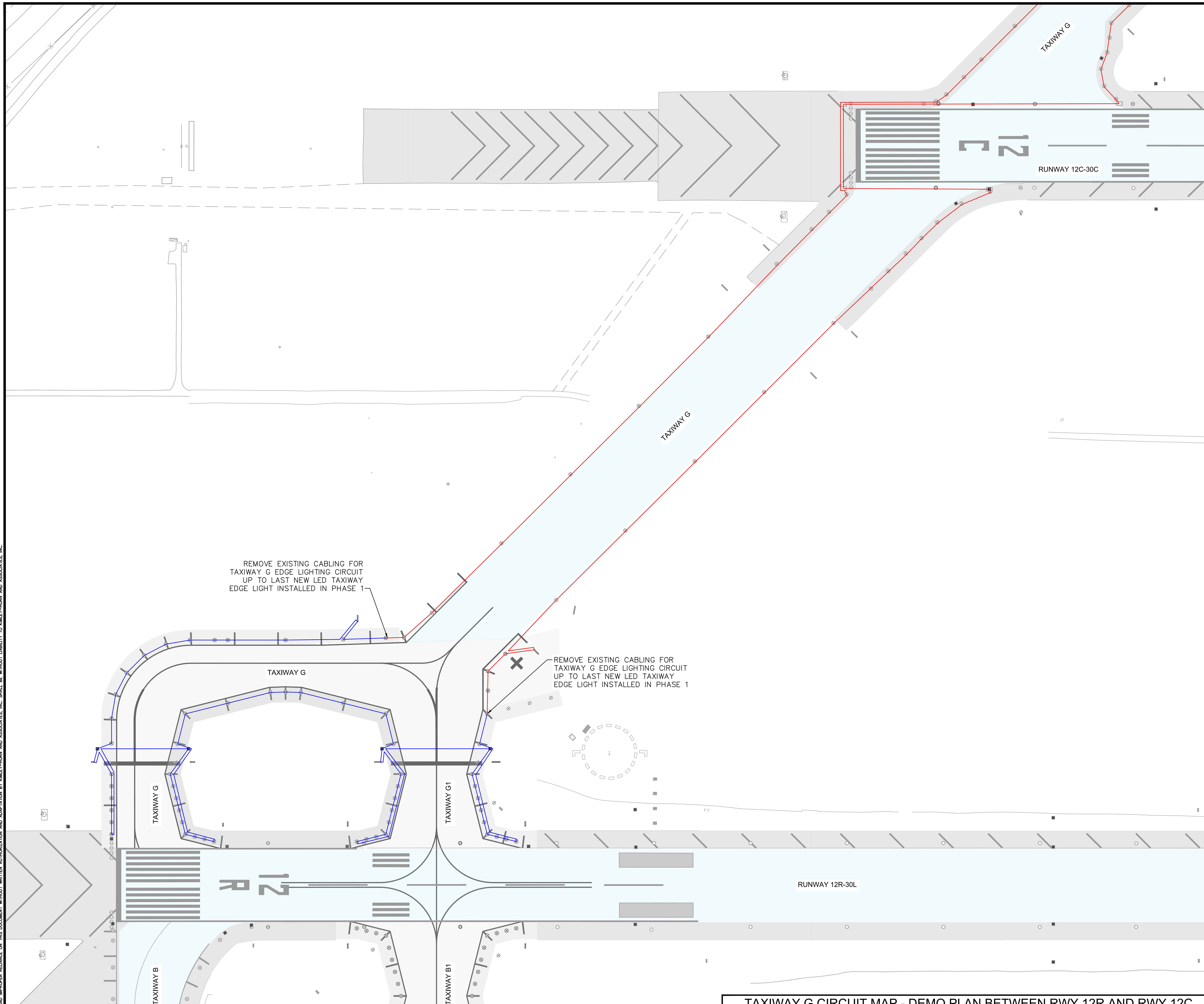
PROJECT NAME
MESA GATEWAY AIRPORT
TAXIWAY G REALIGNMENT

PHASE 2 OVERALL TAXIWAY G CIRCUIT MAP

PROJECT NO. 091134073
FILE NO. 091134073 - E - CKT (Phase 2)

E6.0

SHEET 133 of 153



TAXIWAY G CIRCUIT MAP - DEMO PLAN BETWEEN RWY 12R AND RWY 12C

LEGEND

- CABLE TO BE REMOVED
- CABLE TO BE INSTALLED
- EXISTING OR PROPOSED FINAL CIRCUIT CONDITION

CABLE PULLING PHASING NOTES:

1. CONTRACTOR TO DO FIELD INVESTIGATION OF EXISTING CONDUIT PATHING FOR EXISTING CIRCUITS TO BE REMOVED. CONTRACTOR TO MAKE NOTE OF ANY EXISTING CIRCUITS REMAINING IN EXISTING CONDUITS THAT NEW CIRCUITS WILL BE PULLED THROUGH AND PROVIDE CIRCUIT PULLING PLAN TO AIRPORT FOR REVIEW PRIOR TO PULLING NEW CABLE IN HOMERUN DUCTBANK.
2. CONTRACTOR TO PROVIDE TEMPORARY CABLE JUMPERS AS REQUIRED TO MAINTAIN ACTIVE AIRFIELD CIRCUITS WHICH MAY BE AFFECTED BY WORK IN SHARED DUCT BANKS.

CIRCUIT TAXIWAY G DATA TABLE

QUANTITY	ITEM DESC.	FT./ITEM *		TOTAL LENGTH
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1	SIGNS	x 10'	=	10 '
20	HANDHOLES	x 20'	=	400 '
	* SLACK CABLE PER SPECS			
	ITEM TOTAL LENGTH		=	1,850 '
	+ PLAN CIRCUIT LENGTH		=	17,930 '
	NOTE: CABLE SHALL BE L-824, #8 AWG CU			
	ESTIMATED AIRFIELD CABLE INSTALLED IN PHASE 1		=	19,780 '

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GATEWAYAIRPORT.COM

PROJECT NAME
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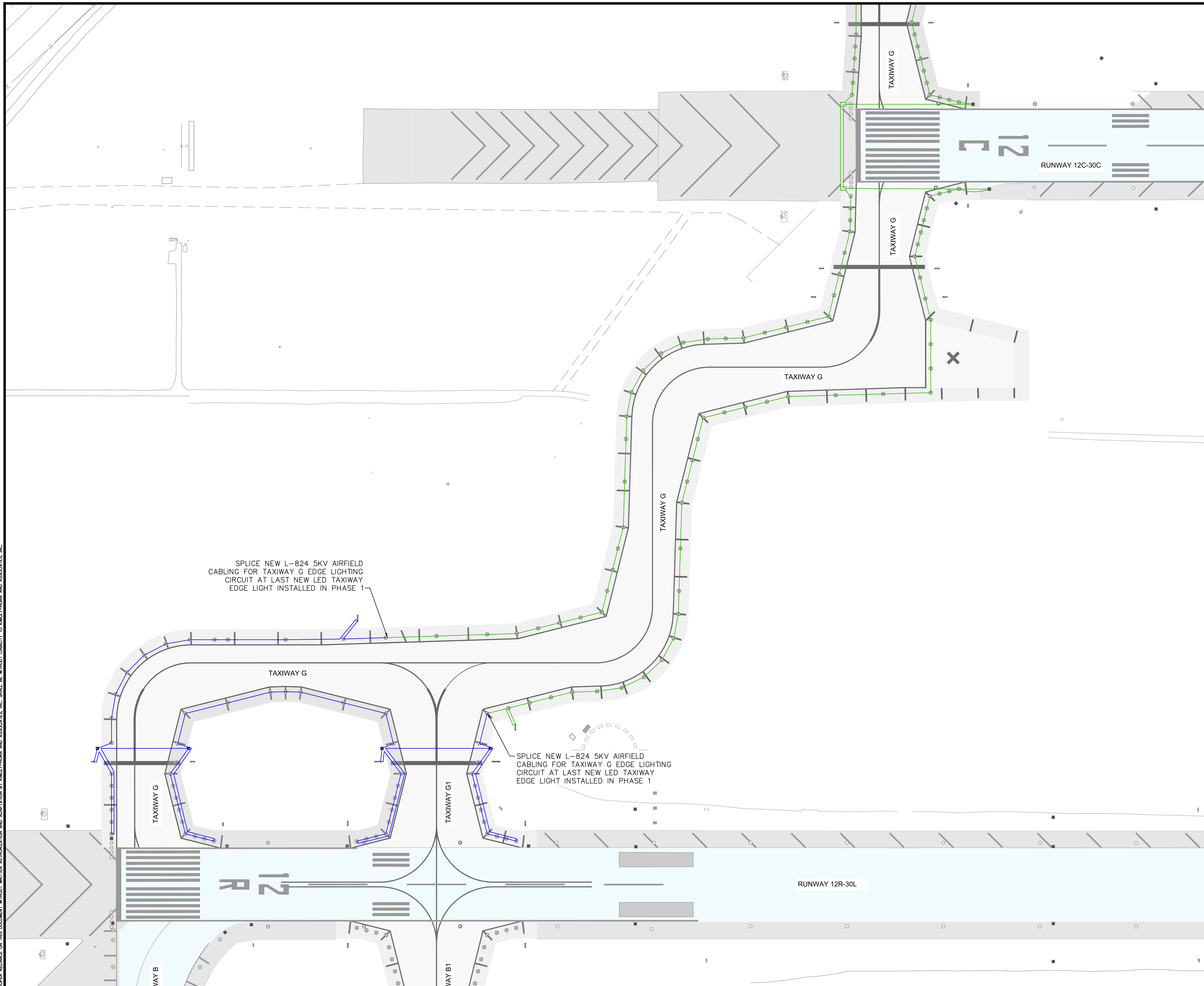
TAXIWAY G REALIGNMENT

ENLARGED TAXIWAY G CIRCUIT MAP
DEMOLITION PLAN

PROJECT NO. 091134073
FILE NO. 091134073 - E - CKT (Phase 2)

E6.1

K:\eav_aviation\091134073 – taxiway g realignment\CADD\091134073 – E – CKT (Phase 2).dwg Nov 26, 2025 Emma.Gatzke
XREFS: x091134073 – VS x091134073 – VF x091134073 – TB x091134073 – BM – E (Phase 1) x091134073 – HT-EX-ELEC x091134073 – CKT (Phase 2) x091134073 – PM (Phase 1) x091134073 – PM (Phase 2) x091134073 – VS – ED (Phase 2) x091134073 – BM – E (Phase 2)



TAXIWAY G CIRCUIT MAP - PROPOSED PLAN BETWEEN RWY 12R AND RWY 12C

LEGEND

- CABLE TO BE REMOVED
- CABLE TO BE INSTALLED
- EXISTING OR PROPOSED FINAL CIRCUIT CONDITION

CABLE PULLING PHASING NOTES:

1. CONTRACTOR TO DO FIELD INVESTIGATION OF EXISTING CONDUIT PATHING FOR EXISTING CIRCUITS TO BE REMOVED. CONTRACTOR TO MAKE NOTE OF ANY EXISTING CONDUITS THAT NEW CIRCUITS WILL BE PULLED THROUGH AND PROVIDE CIRCUIT PULLING PLAN TO AIRPORT FOR REVIEW PRIOR TO PULLING NEW CABLE IN HOMERUN DUCTBANK.
2. CONTRACTOR TO PROVIDE TEMPORARY CABLE JUMPERS AS REQUIRED TO MAINTAIN ACTIVE AIRFIELD CIRCUITS WHICH MAY BE AFFECTED BY WORK IN SHARED DUCT BANKS.

CIRCUIT TAXIWAY G DATA TABLE

QUANTITY	ITEM DESC.	FT./ITEM *		TOTAL LENGTH
144	L-861T(L)	x 10'	=	1,440'
1	SIGNS	x 10'	=	10'
20	HANDHOLES	x 20'	=	400'
	* SLACK CABLE PER SPECS			
		ITEM TOTAL LENGTH	=	1,850'
		+ PLAN CIRCUIT LENGTH	=	17,930'
	NOTE: CABLE SHALL BE L-824, #8 AWG CU			
		ESTIMATED AIRFIELD CABLE INSTALLED IN PHASE 1	=	19,780'

Call at least two full working days before you begin excavation.
ARIZONA 811
Arizona Blue Stake, Inc.
Dial 8-1-1 or 1-800-STAKE-IT (782-5348) in Maricopa County: (602) 263-1100

PLANS TO BE PRINTED IN COLOR

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NO.	REVISION	BY	DATE

FIRM'S NAME

Kimley»Horn

KIMLEY-HORN AND ASSOCIATES, INC.
2046 Riverview Auto Dr., SUITE 400
Mesa, Arizona 85210 (480) 207-2666

FIRM'S SEAL

SCALE
Horiz.
Vert.

Date 11/26/2025
Designed by JPT
Drawn by JPT
Checked by DJC
Approved by JDB

Mesa Gateway Airport

MESA GATEWAY AIRPORT AUTHORITY
5835 SOUTH SOSSAMAN ROAD
MESA, ARIZONA 85212
(480) 988-7600
GATEWAYAIRPORT.COM

PROJECT NAME

MESA GATEWAY AIRPORT
TAXIWAY G REALIGNMENT

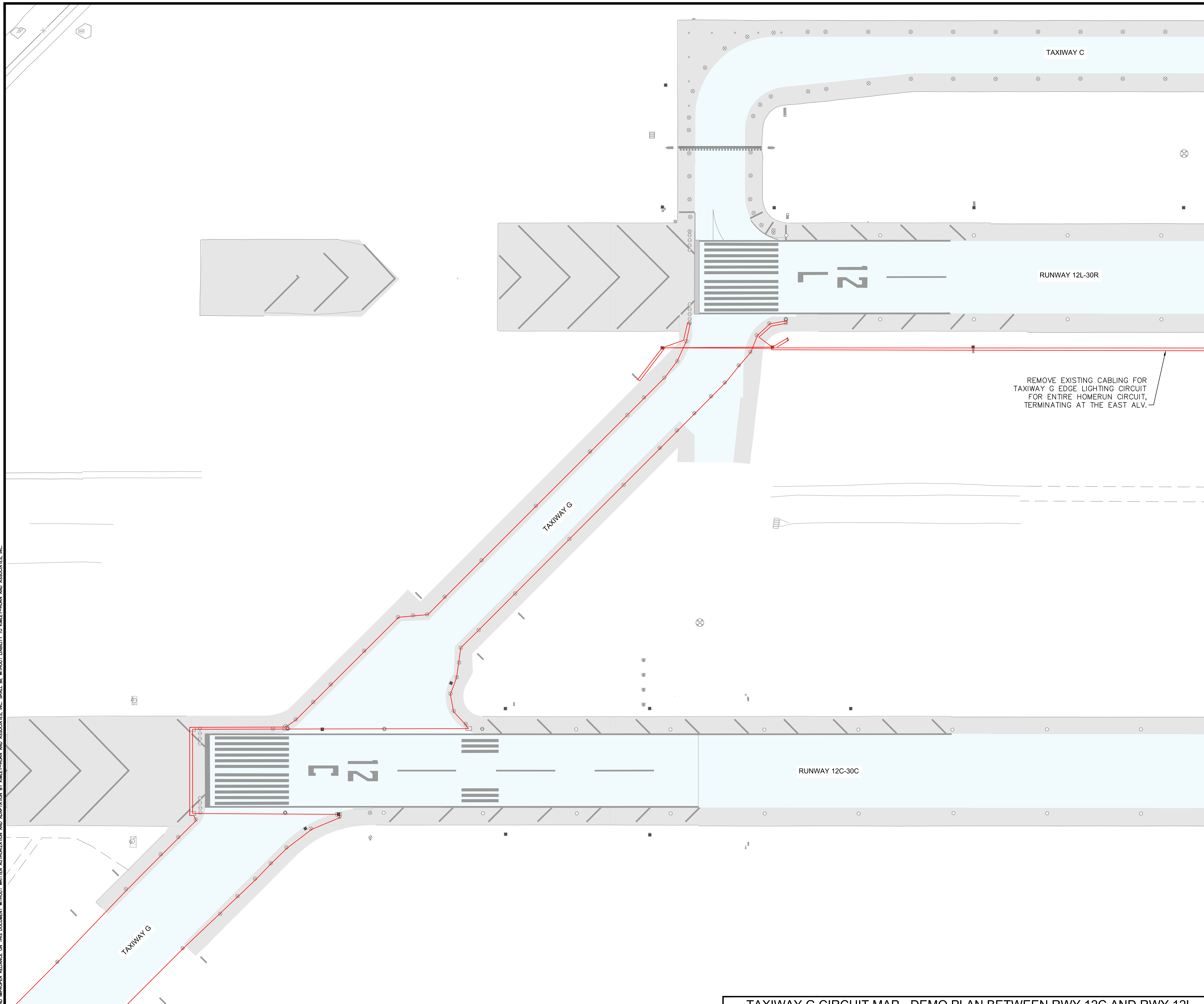
ENLARGED TAXIWAY G CIRCUIT MAP
PROPOSED PLAN

PROJECT NO. 091134073

FILE NO. 091134073 - E - CKT (Phase 2)

E6.3

SHEET 135 of 153



LEGEND

- CABLE TO BE REMOVED
- CABLE TO BE INSTALLED
- EXISTING OR PROPOSED FINAL CIRCUIT CONDITION

CABLE PULLING PHASING NOTES:

1. CONTRACTOR TO DO FIELD INVESTIGATION OF EXISTING CONDUIT PATHING FOR EXISTING CIRCUITS TO BE REMOVED. CONTRACTOR TO MAKE NOTE OF ANY EXISTING CONDUITS REMAINING IN EXISTING CONDUITS THAT NEW CIRCUITS WILL BE PULLED THROUGH AND PROVIDE CIRCUIT PULLING PLAN TO AIRPORT FOR REVIEW PRIOR TO PULLING NEW CABLE IN HOMERUN DUCTBANK.
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CIRCUIT TAXIWAY G DATA TABLE

QUANTITY	ITEM DESC.	FT./ITEM *		TOTAL LENGTH
144	L-861T(L)	x 10 '	=	1,440 '
1	SIGNS	x 10'	=	10 '
20	HANDHOLES	x 20'	=	400 '
	* SLACK CABLE PER SPECS			
		ITEM TOTAL LENGTH	=	1,850 '
		+ PLAN CIRCUIT LENGTH	=	17,930 '
	NOTE: CABLE SHALL BE L-824, #8 AWG CU			
		ESTIMATED AIRFIELD CABLE INSTALLED IN PHASE 1	=	19,780 '

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TAXIWAY G CIRCUIT MAP - DEMO PLAN BETWEEN RWY 12C AND RWY 12L

NO.	REVISION	BY	DATE

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2046 Riverview Auto Dr, SUITE 400
Mesa, Arizona 85210 (480) 207-2666

FIRM'S SEAL

SCALE
Horiz. ____
Vert. ____

Date 11/26/2025
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Checked by DJC
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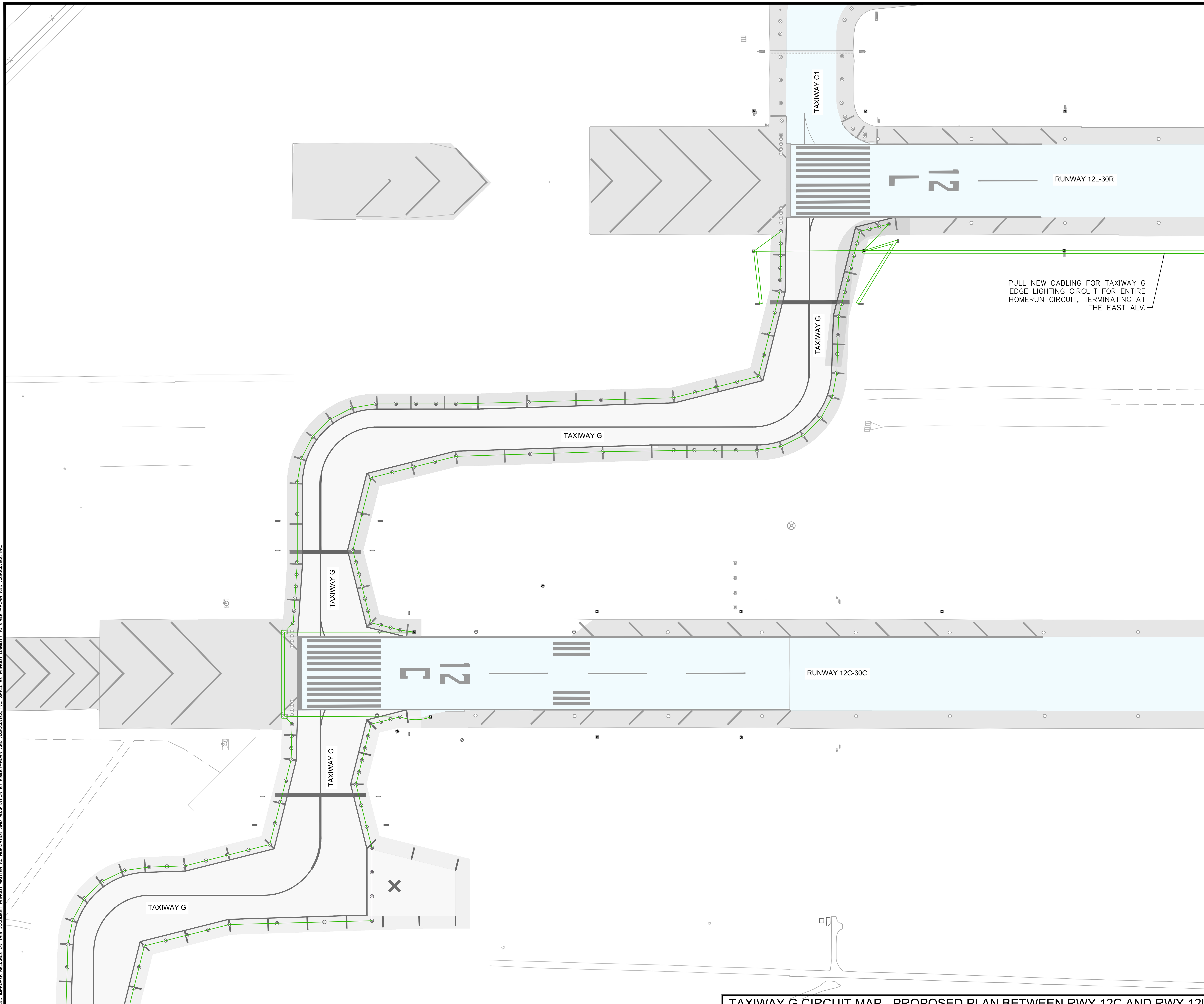
Mesa Gateway Airport
MESA GATEWAY AIRPORT AUTHORITY
5835 SOUTH SOSSAMAN ROAD
MESA, ARIZONA 85212
(480) 988-7600
GATEWAYAIRPORT.COM

PROJECT NAME
MESA GATEWAY AIRPORT
TAXIWAY G REALIGNMENT

ENLARGED TAXIWAY G CIRCUIT MAP
DEMOLITION PLAN

PROJECT NO. 091134073
FILE NO. 091134073 - E - CKT (Phase 2)

E6.2



TAXIWAY G CIRCUIT MAP - PROPOSED PLAN BETWEEN RWY 12C AND RWY 12L

LEGEND

- CABLE TO BE REMOVED
- CABLE TO BE INSTALLED
- EXISTING OR PROPOSED FINAL CIRCUIT CONDITION

CABLE PULLING PHASING NOTES:

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CIRCUIT TAXIWAY G DATA TABLE

QUANTITY	ITEM DESC.	FT./ITEM *		TOTAL LENGTH
144	L-861T(L)	x 10 '	=	1,440 '
1	SIGNS	x 10'	=	10 '
20	HANDHOLES	x 20'	=	400 '
		* SLACK CABLE PER SPECS		
		ITEM TOTAL LENGTH	=	1,850 '
		+ PLAN CIRCUIT LENGTH	=	17,930 '
		NOTE: CABLE SHALL BE L-824, #8 AWG CU		
		ESTIMATED AIRFIELD CABLE INSTALLED IN PHASE 1	=	19,780 '

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2046 Riverview Auto Dr, SUITE 400
Mesa, Arizona 85210 (480) 207-2666

FIRM'S SEAL

SCALE
Horiz. ____
Vert. ____
Date 11/26/2025
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Drawn by JPT
Checked by DJC
Approved by JDB

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MESA, ARIZONA 85212
(480) 988-7600
GATEWAYAIRPORT.COM

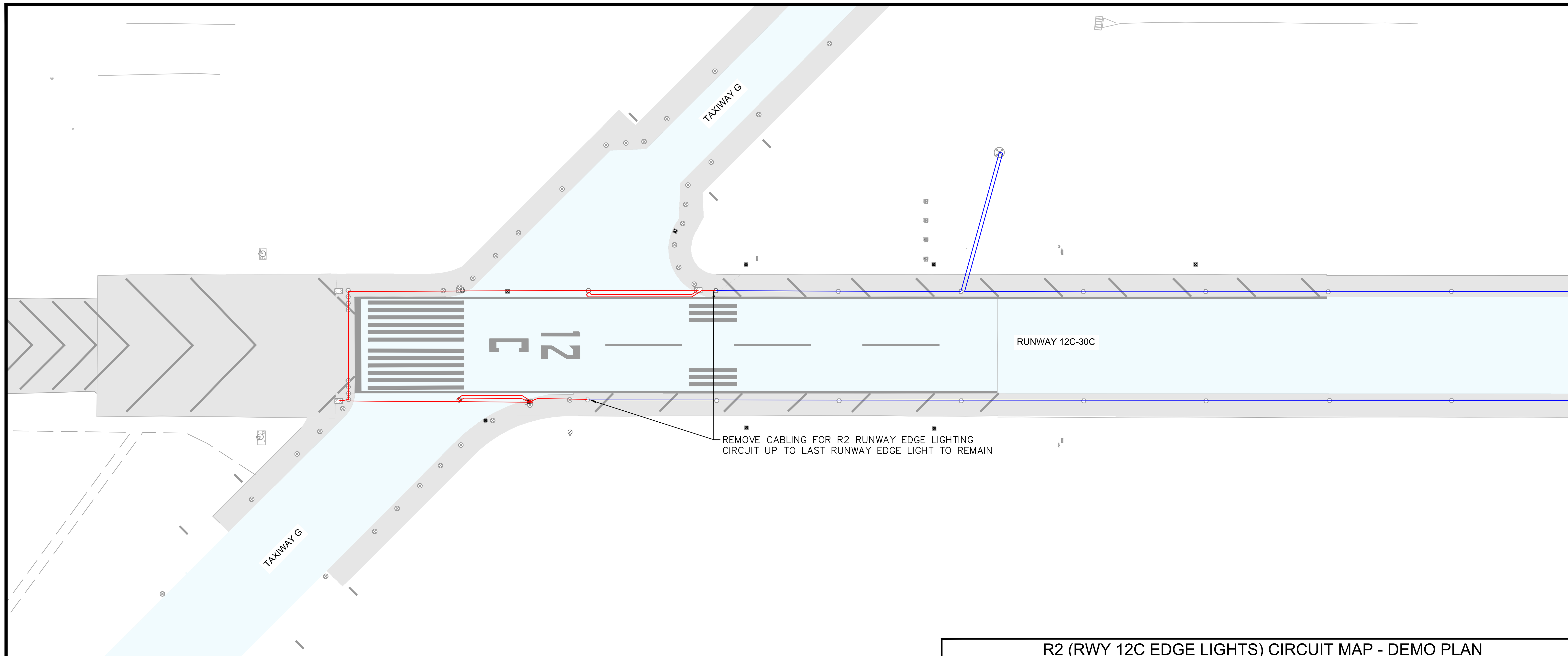
PROJECT NAME
MESA GATEWAY AIRPORT
TAXIWAY G REALIGNMENT

ENLARGED TAXIWAY G CIRCUIT MAP
PROPOSED PLAN

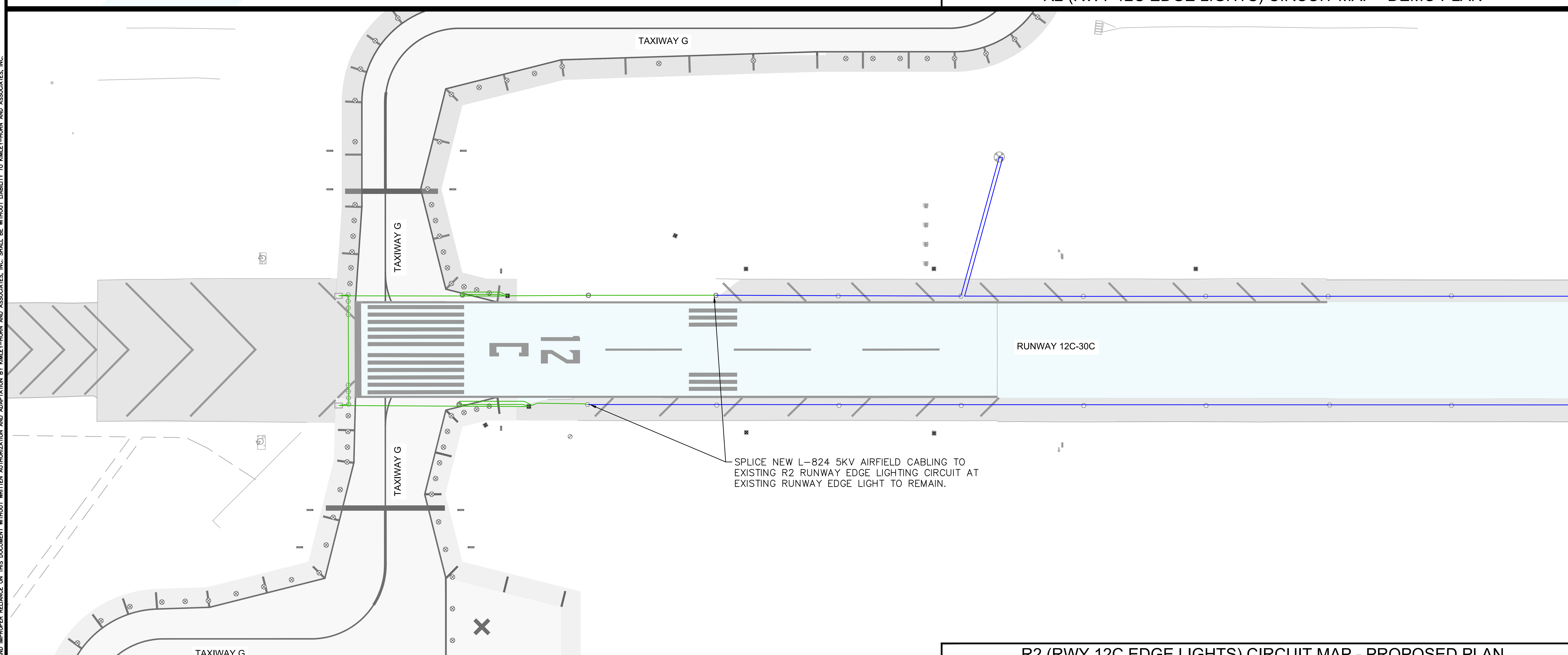
PROJECT NO. 091134073
FILE NO. 091134073 - E - CKT (Phase 2)

E6.4

SHEET 137 of 153



R2 (RWY 12C EDGE LIGHTS) CIRCUIT MAP - DEMO PLAN



R2 (RWY 12C EDGE LIGHTS) CIRCUIT MAP - PROPOSED PLAN

LEGEND

- CABLE TO BE REMOVED
- CABLE TO BE INSTALLED
- EXISTING OR PROPOSED FINAL CIRCUIT CONDITION

CABLE PULLING PHASING NOTES:

1. CONTRACTOR TO DO FIELD INVESTIGATION OF EXISTING CONDUIT PATHING FOR EXISTING CIRCUITS TO BE REMOVED. CONTRACTOR TO MAKE NOTE OF ANY EXISTING CIRCUITS REMAINING IN EXISTING CONDUITS THAT NEW CIRCUITS WILL BE PULLED THROUGH AND PROVIDE CIRCUIT PULLING PLAN TO AIRPORT FOR REVIEW PRIOR TO PULLING NEW CABLE IN HOMERUN DUCTBANK.
2. CONTRACTOR TO PROVIDE TEMPORARY CABLE JUMPERS AS REQUIRED TO MAINTAIN ACTIVE AIRFIELD CIRCUITS WHICH MAY BE AFFECTED BY WORK IN SHARED DUCT BANKS.

CIRCUIT R2 DATA TABLE

QUANTITY	ITEM DESC.	FT./ITEM *		TOTAL LENGTH
5	L-862(L)/L-850C(L)	x 10 '	=	50 '
0	SIGNS	x 10'	=	0 '
5	HANDHOLES	x 20'	=	100 '
		* SLACK CABLE PER SPECS		
	ITEM TOTAL LENGTH		=	150 '
	+ PLAN CIRCUIT LENGTH		=	1,540 '
	NOTE: CABLE SHALL BE L-824, #8 AWG CU			
	ESTIMATED AIRFIELD CABLE INSTALLED IN PHASE 1		=	1,690 '

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2046 Riverview Auto Dr, SUITE 400
Mesa, Arizona 85210 (480) 207–2666

FIRM'S SEAL

SCALE
Horiz. ___
Vert. ___

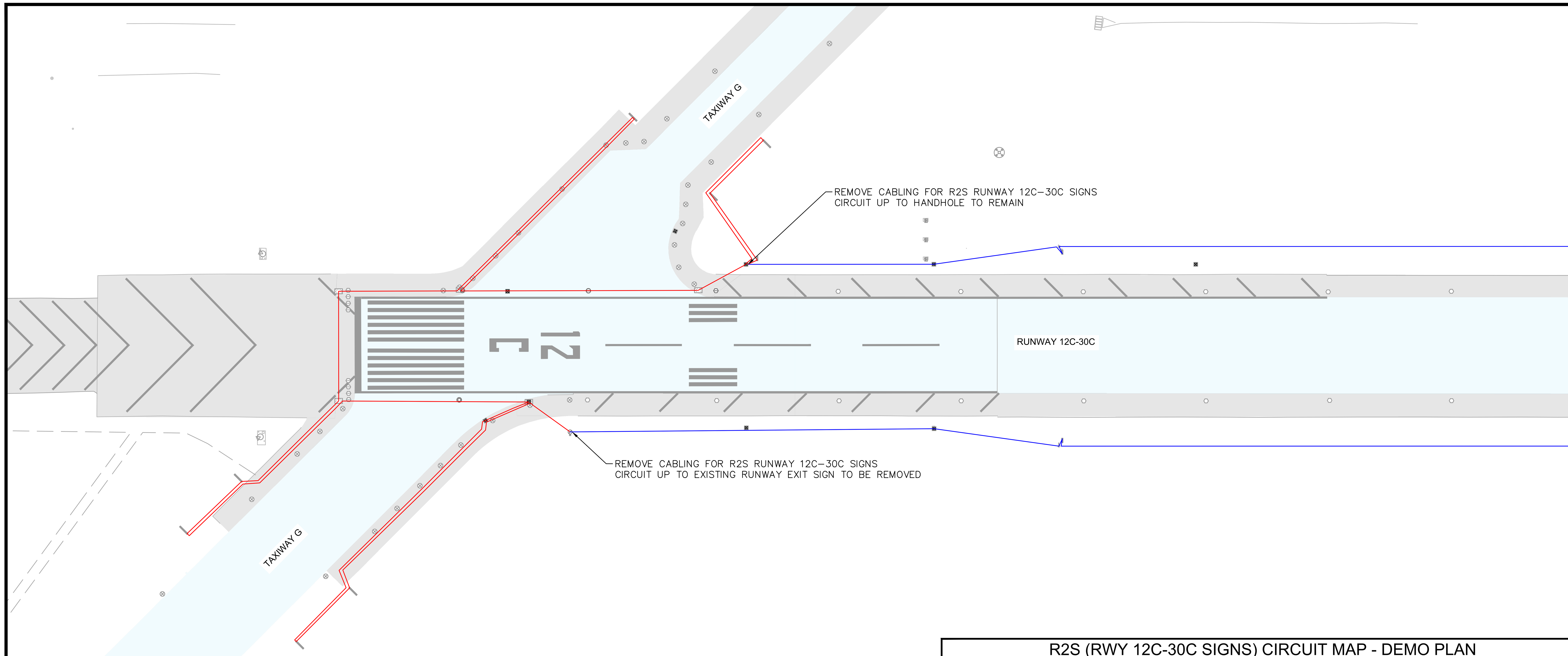
Date 11/26/2025
Designed by JPT
Drawn by JPT
Checked by DJC
Approved by JDB

Mesa Gateway Airport
MESA GATEWAY AIRPORT AUTHORITY
5835 SOUTH SOSSAMAN ROAD
MESA, ARIZONA 85212
(480) 988-7600
GATEWAYAIRPORT.COM

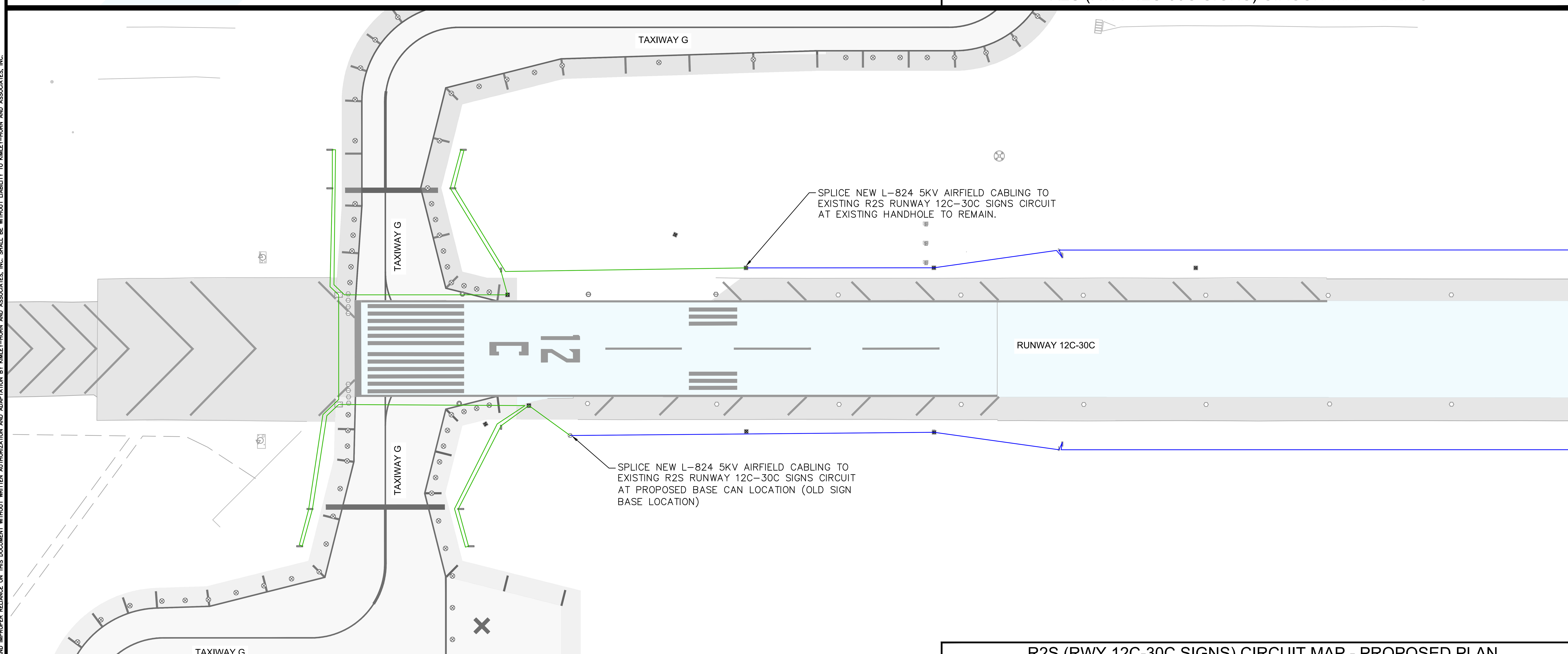
PROJECT NAME
MESA GATEWAY AIRPORT
TAXIWAY G REALIGNMENT
ENLARGED R2 CIRCUIT MAP
(RWY 12C EDGE LIGHTS)

PROJECT NO. 091134073
FILE NO. 091134073 - E - CKT (Phase 2)

E6.5



R2S (RWY 12C-30C SIGNS) CIRCUIT MAP - DEMO PLAN



R2S (RWY 12C-30C SIGNS) CIRCUIT MAP - PROPOSED PLAN

LEGEND

- CABLE TO BE REMOVED
- CABLE TO BE INSTALLED
- EXISTING OR PROPOSED FINAL CIRCUIT CONDITION

CABLE PULLING PHASING NOTES:

1. CONTRACTOR TO DO FIELD INVESTIGATION OF EXISTING CONDUIT PATHING FOR EXISTING CIRCUITS TO BE REMOVED. CONTRACTOR TO MAKE NOTE OF ANY EXISTING CIRCUITS REMAINING IN EXISTING CONDUITS THAT NEW CIRCUITS WILL BE PULLED THROUGH AND PROVIDE CIRCUIT PULLING PLAN TO AIRPORT FOR REVIEW PRIOR TO PULLING NEW CABLE IN HOMERUN DUCTBANK.
2. CONTRACTOR TO PROVIDE TEMPORARY CABLE JUMPERS AS REQUIRED TO MAINTAIN ACTIVE AIRFIELD CIRCUITS WHICH MAY BE AFFECTED BY WORK IN SHARED DUCT BANKS.

CIRCUIT R2S DATA TABLE

QUANTITY	ITEM DESC.	FT./ITEM *		TOTAL LENGTH
0	L-862(L)/L-850C(L)	x 10'	=	0'
10	SIGNS	x 10'	=	100'
5	HANDHOLES	x 20'	=	100'
	* SLACK CABLE PER SPECS			
	ITEM TOTAL LENGTH		=	200'
	+ PLAN CIRCUIT LENGTH		=	3,105'
	NOTE: CABLE SHALL BE L-824, #8 AWG CU			
	ESTIMATED AIRFIELD CABLE INSTALLED IN PHASE 1		=	3,305'

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2046 Riverview Auto Dr, SUITE 400
Mesa, Arizona 85210 (480) 207-2666

FIRM'S SEAL

SCALE
Horiz. ____
Vert. ____

Date 11/26/2025
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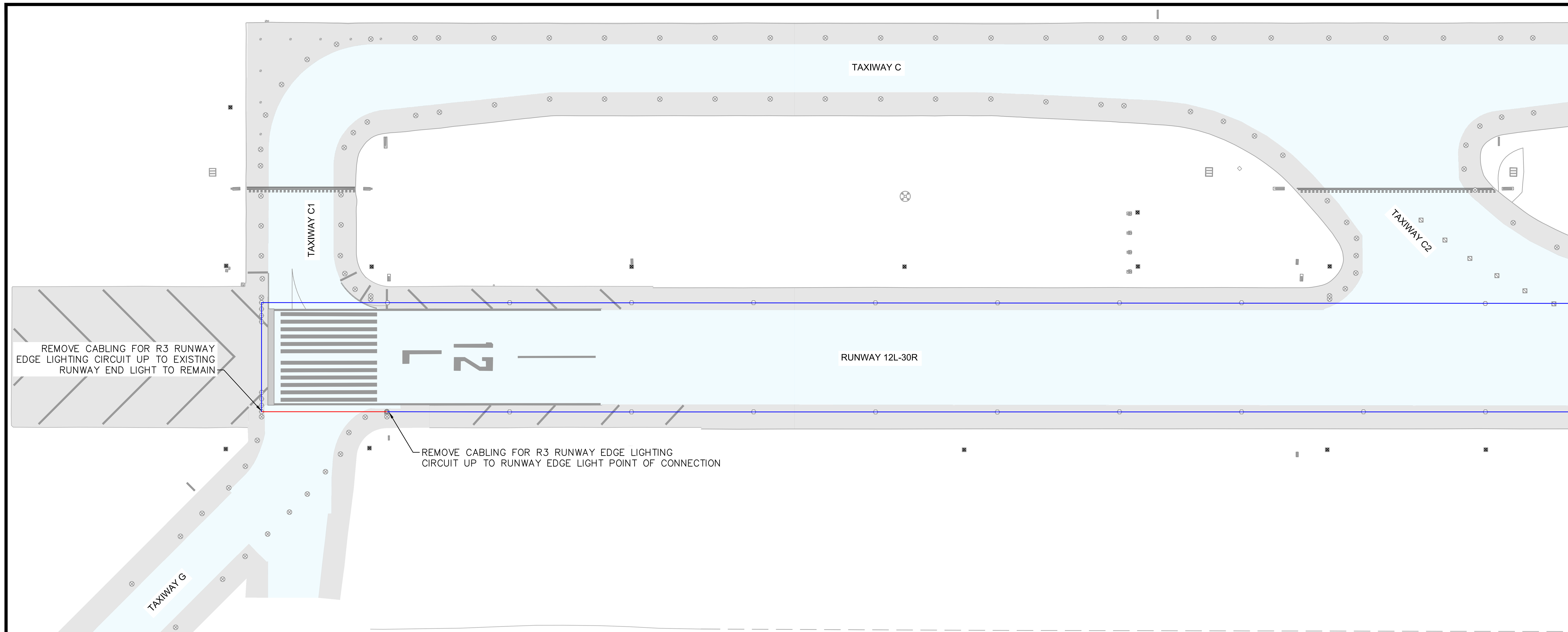
Checked by DJC
Approved by JDB

Mesa Gateway Airport
MESA GATEWAY AIRPORT AUTHORITY
5835 SOUTH SOSSAMAN ROAD
MESA, ARIZONA 85212
(480) 988-7600
GATEWAYAIRPORT.COM

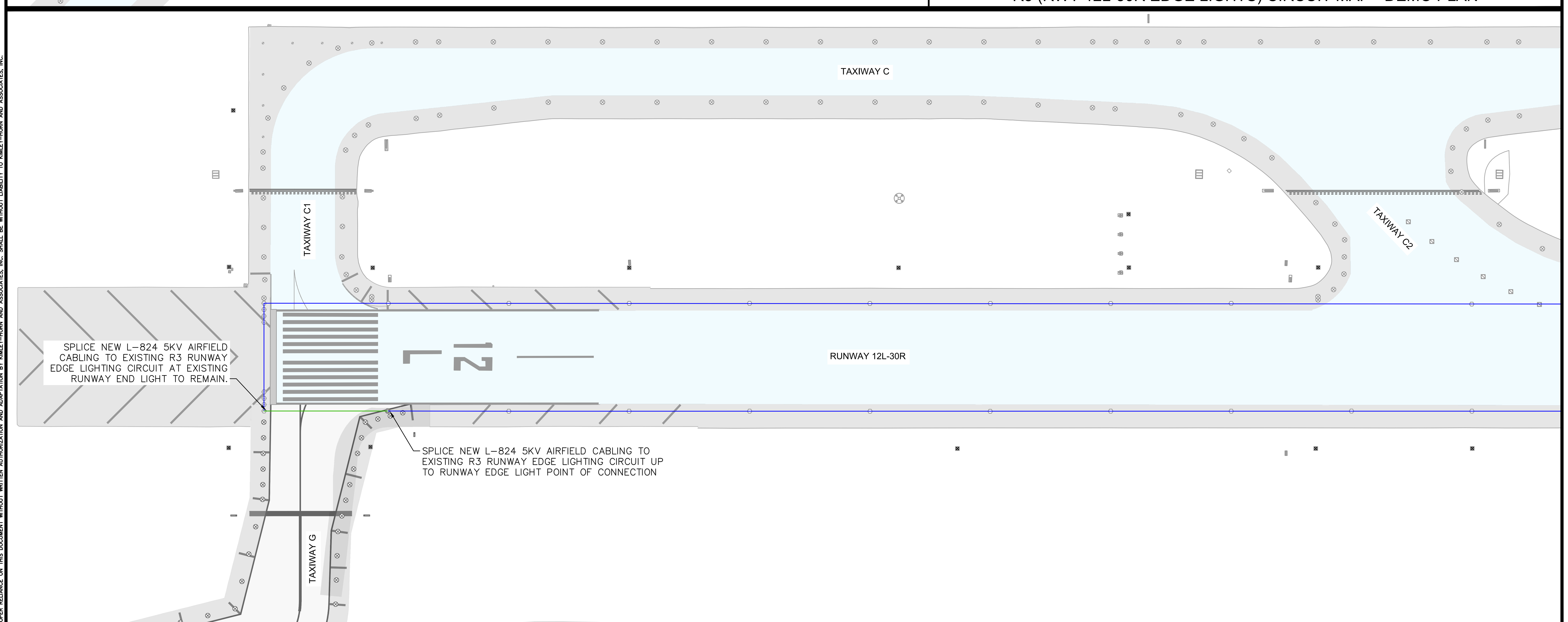
PROJECT NAME
MESA GATEWAY AIRPORT
TAXIWAY G REALIGNMENT
ENLARGED R2S CIRCUIT MAP
(RWY 12C-30C SIGNS)

PROJECT NO. 091134073
FILE NO. 091134073 - E - CKT (Phase 2)

E6.6



R3 (RWY 12L-30R EDGE LIGHTS) CIRCUIT MAP - DEMO PLAN



R3 (RWY 12L-30R EDGE LIGHTS) CIRCUIT MAP - PROPOSED PLAN

LEGEND

- CABLE TO BE REMOVED
- CABLE TO BE INSTALLED
- EXISTING OR PROPOSED FINAL CIRCUIT CONDITION

CABLE PULLING PHASING NOTES:

1. CONTRACTOR TO DO FIELD INVESTIGATION OF EXISTING CONDUIT PATHING FOR EXISTING CIRCUITS TO BE REMOVED. CONTRACTOR TO MAKE NOTE OF ANY EXISTING CIRCUITS REMAINING IN EXISTING CONDUITS THAT NEW CIRCUITS WILL BE PULLED THROUGH AND PROVIDE CIRCUIT PULLING PLAN TO AIRPORT FOR REVIEW PRIOR TO PULLING NEW CABLE IN HOMERUN DUCTBANK.
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CIRCUIT R3 DATA TABLE

QUANTITY	ITEM DESC.		FT./ITEM *		TOTAL LENGTH
2	L-862(L)/L-850C(L)	x	10 '	=	20 '
0	SIGNS	x	10'	=	0 '
0	HANDHOLES	x	20'	=	0 '
	* SLACK CABLE PER SPECS				
	ITEM TOTAL LENGTH			=	20 '
	+ PLAN CIRCUIT LENGTH			=	195 '
	NOTE: CABLE SHALL BE L-824, #8 AWG CU				
	ESTIMATED AIRFIELD CABLE INSTALLED IN PHASE 1			=	215 '

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Mesa, Arizona 85210 (480) 207-2666

FIRM'S SEAL

SCALE
Horiz. ____
Vert. ____

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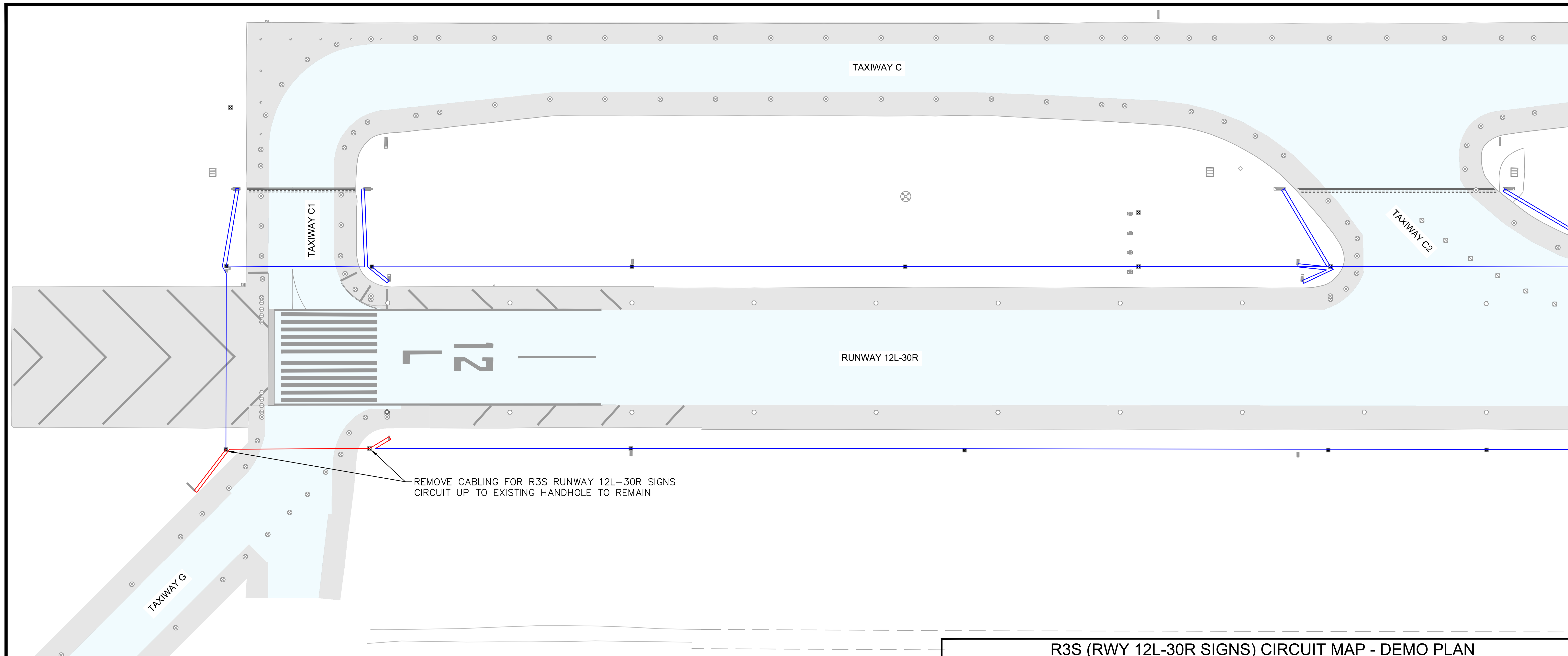
PROJECT NAME

MESA GATEWAY AIRPORT
TAXIWAY G REALIGNMENT

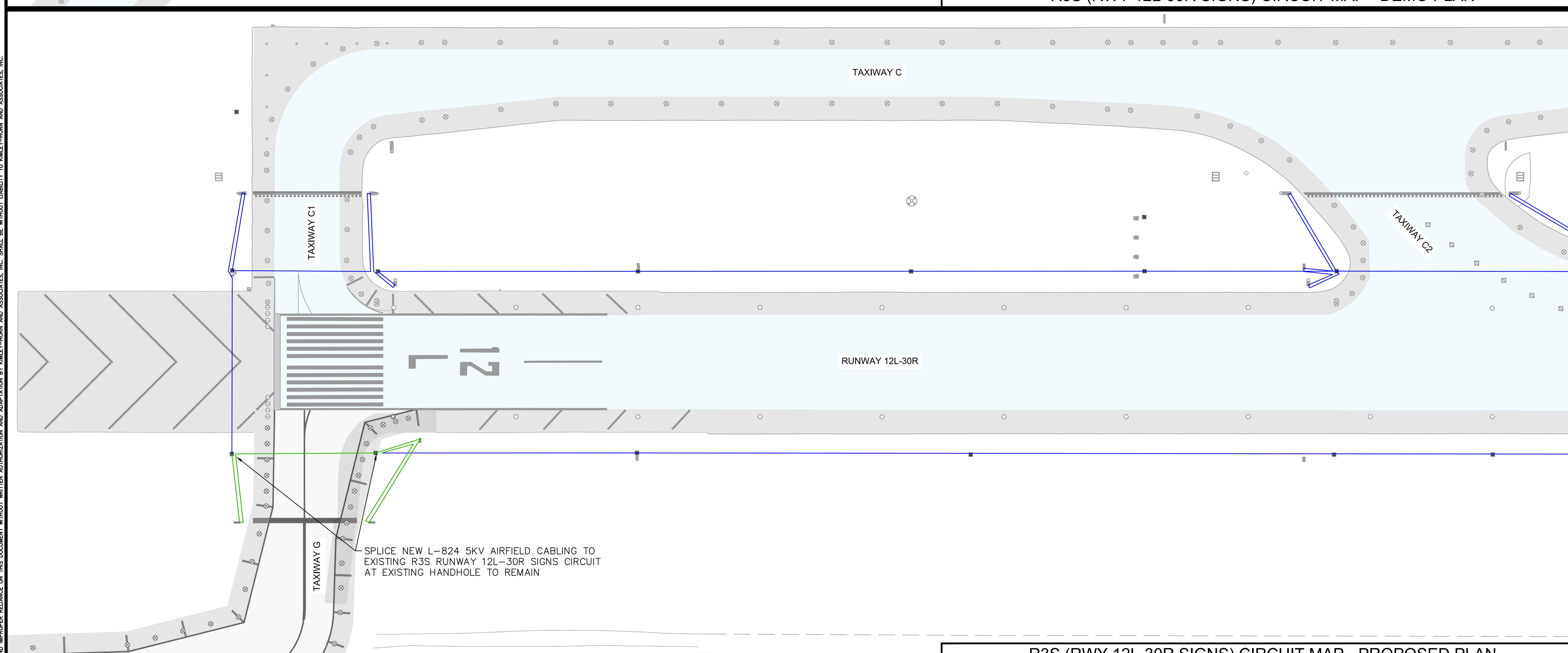
ENLARGED R3 CIRCUIT MAP
(RWY 12L-30R EDGE LIGHTS)

PROJECT NO. 091134073
FILE NO. 091134073 - E - CKT (Phase 2)

E6.7



R3S (RWY 12L-30R SIGNS) CIRCUIT MAP - DEMO PLAN



R3S (RWY 12L-30R SIGNS) CIRCUIT MAP - PROPOSED PLAN

LEGEND

- CABLE TO BE REMOVED
- CABLE TO BE INSTALLED
- EXISTING OR PROPOSED FINAL CIRCUIT CONDITION

CABLE PULLING PHASING NOTES:

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CIRCUIT R3S DATA TABLE

QUANTITY	ITEM DESC.	FT./ITEM *		TOTAL LENGTH
0	L-862(L)/L-850C(L)	x 10'	=	0'
3	SIGNS	x 10'	=	30'
2	HANDHOLES	x 20'	=	40'
	* SLACK CABLE PER SPECS			
	ITEM TOTAL LENGTH		=	70'
	+ PLAN CIRCUIT LENGTH		=	860'
	NOTE: CABLE SHALL BE L-824, #8 AWG CU			
	ESTIMATED AIRFIELD CABLE INSTALLED IN PHASE 1		=	930'

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FIRM'S SEAL

SCALE
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Vert.

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(480) 988-7600
GATEWAYAIRPORT.COM

PROJECT NAME
MESA GATEWAY AIRPORT
TAXIWAY G REALIGNMENT
ENLARGED R3S CIRCUIT MAP
(RWY 12L-30R SIGNS)

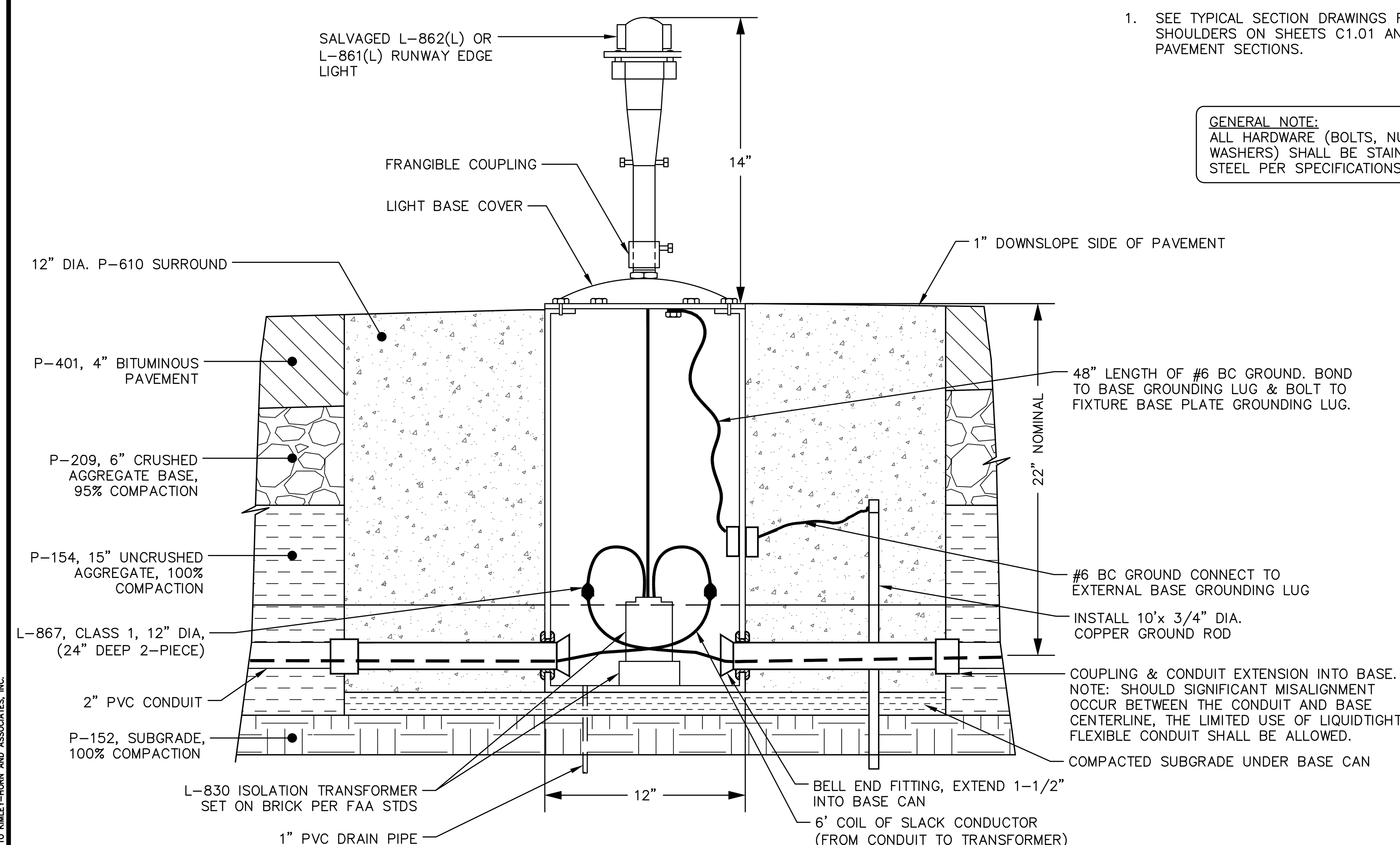
PROJECT NO. 091134073
FILE NO. 091134073 - E - CKT (Phase 2)

E6.8

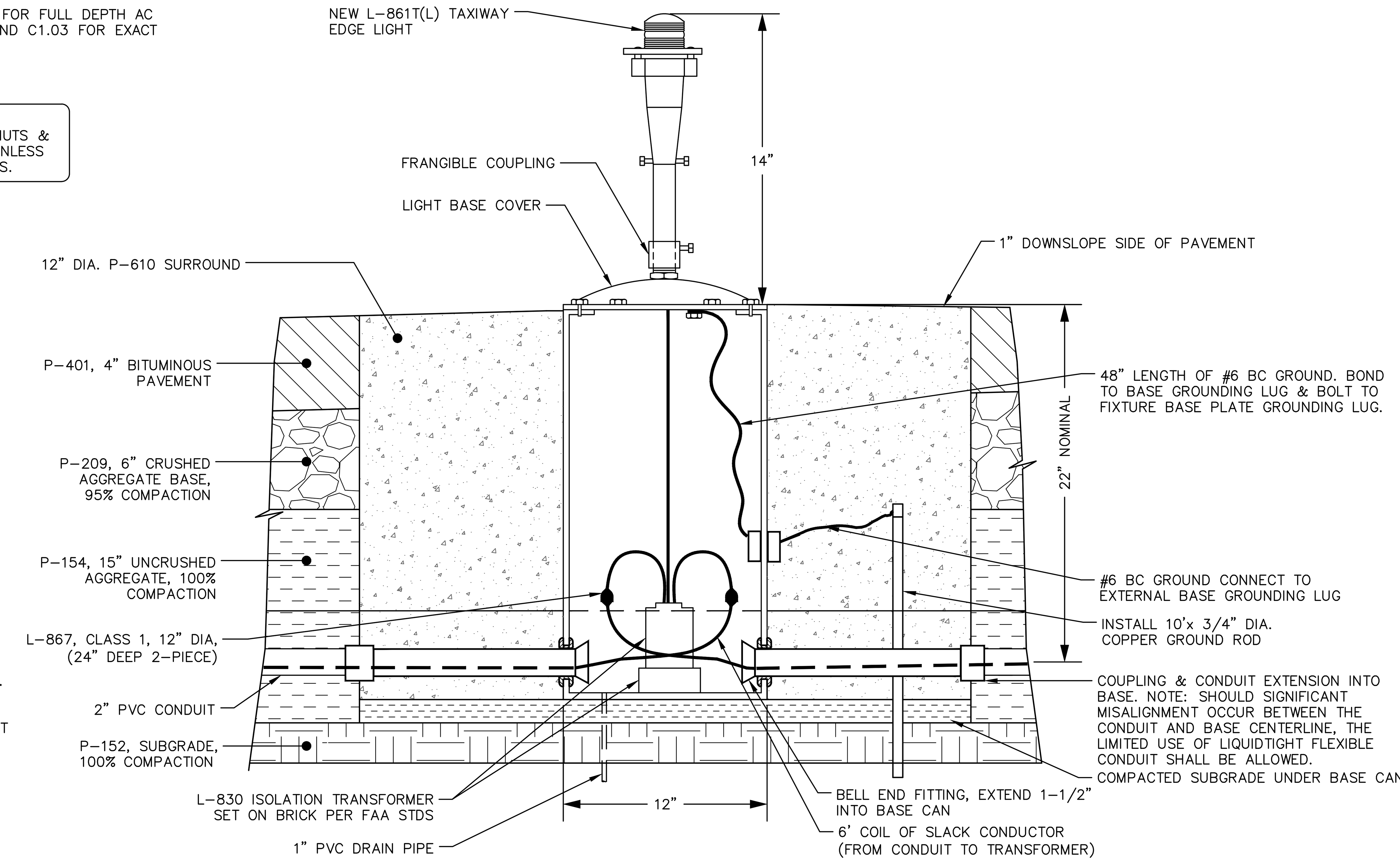
NOTES:

1. SEE TYPICAL SECTION DRAWINGS FOR FULL DEPTH AC SHOULDERS ON SHEETS C1.01 AND C1.03 FOR EXACT PAVEMENT SECTIONS.

GENERAL NOTE:
ALL HARDWARE (BOLTS, NUTS & WASHERS) SHALL BE STAINLESS STEEL PER SPECIFICATIONS.



1 / E7.0 ELEVATED RUNWAY LIGHT DETAIL ON NEW L-867 BASE CAN IN PAVED SHOULDER



2 / E7.0 ELEVATED TAXIWAY FIXTURE DETAIL – ON NEW L-867 BASECAN IN PAVED SHOULDER

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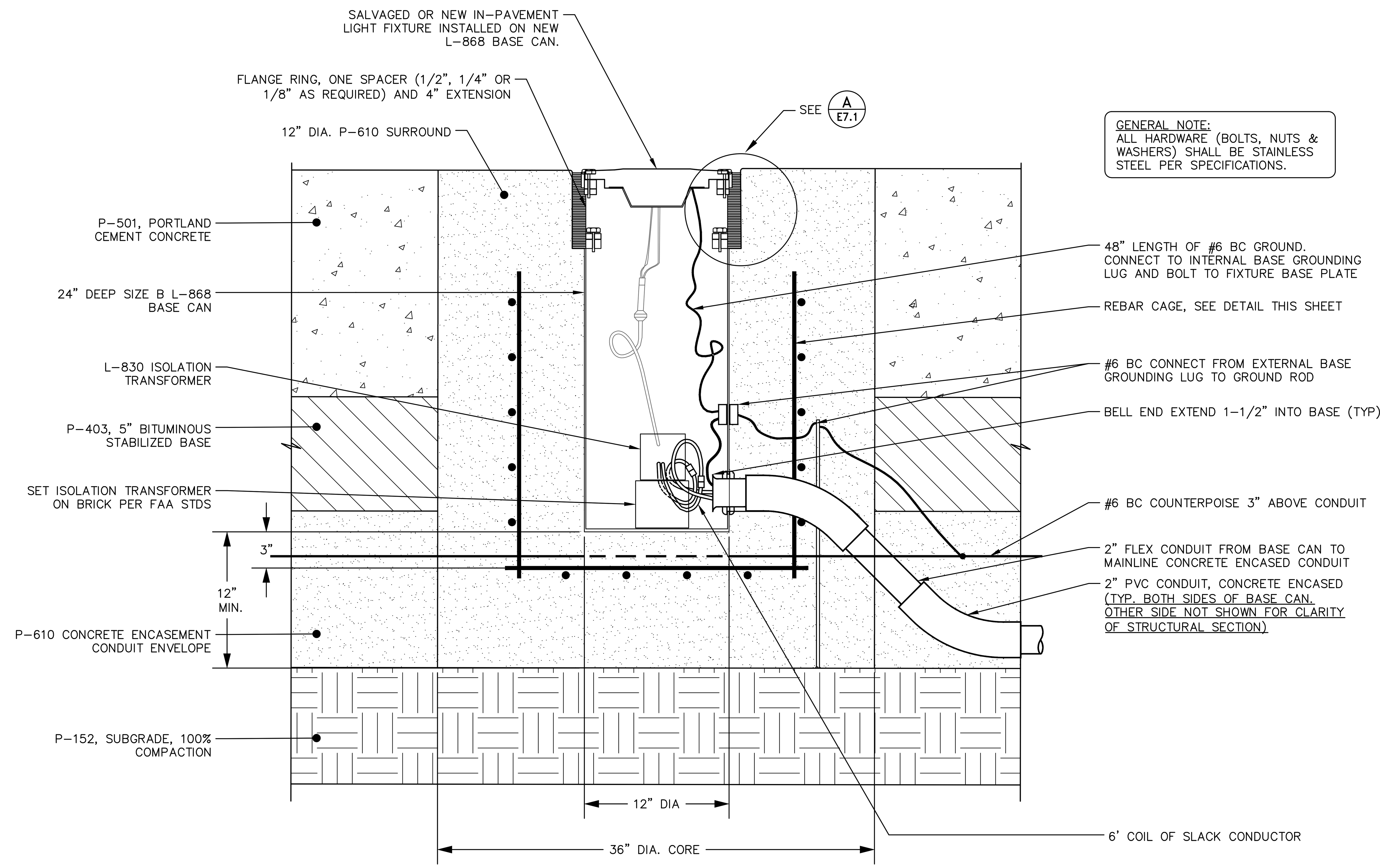
GATEWAYAIRPORT.COM

PROJECT NAME
MESA GATEWAY AIRPORT
TAXIWAY G REALIGNMENT

ELECTRICAL DETAILS
SHEET 1 OF 8

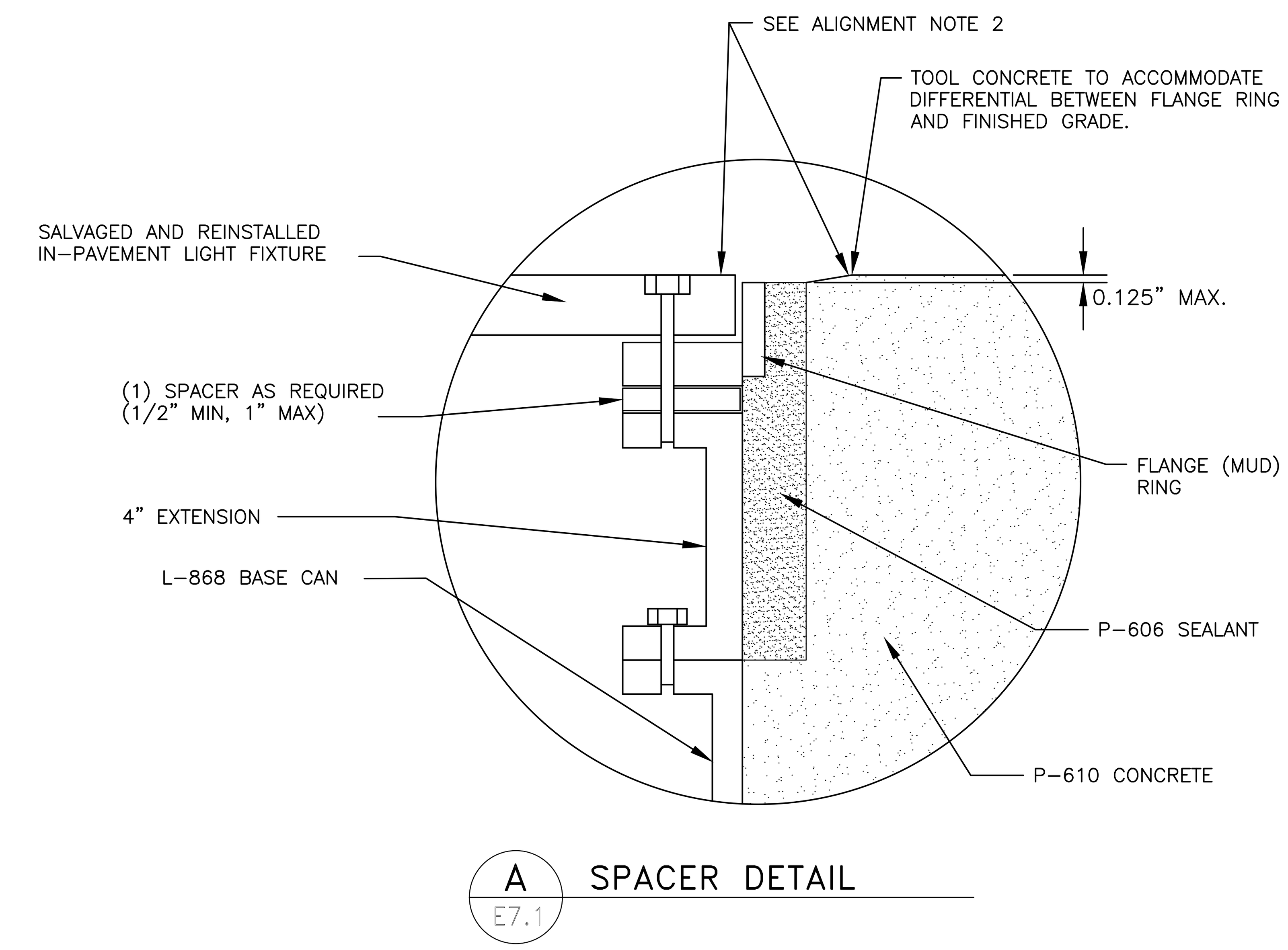
PROJECT NO. 091134073
FILE NO. 091134073 - EZ

E7.0



GENERAL NOTE:
ALL HARDWARE (BOLTS, NUTS & WASHERS) SHALL BE STAINLESS STEEL PER SPECIFICATIONS.

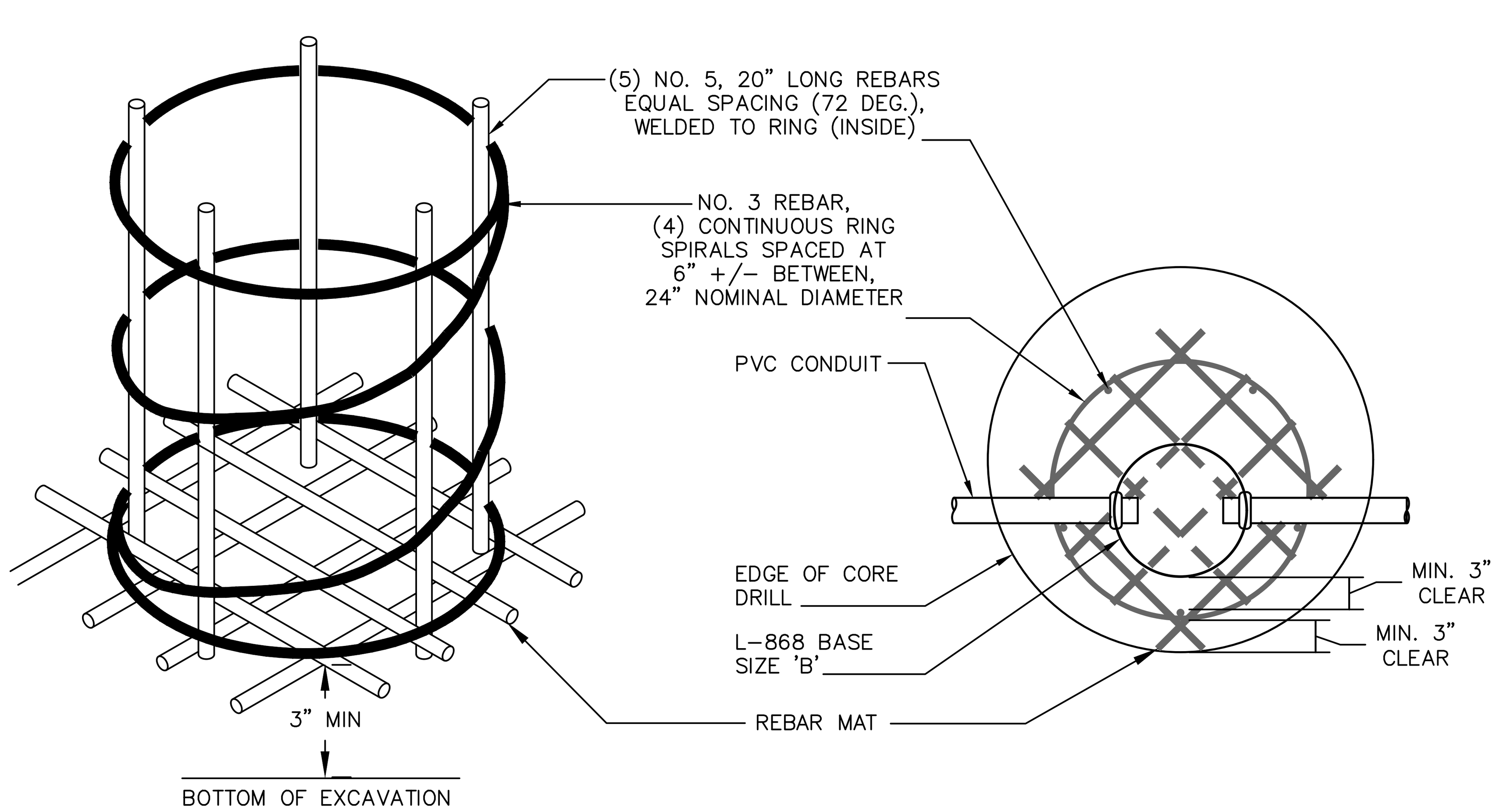
1 E7.1 IN-PAVEMENT FIXTURE DETAIL – ON NEW L-868 BASECAN IN PCC PAVEMENT

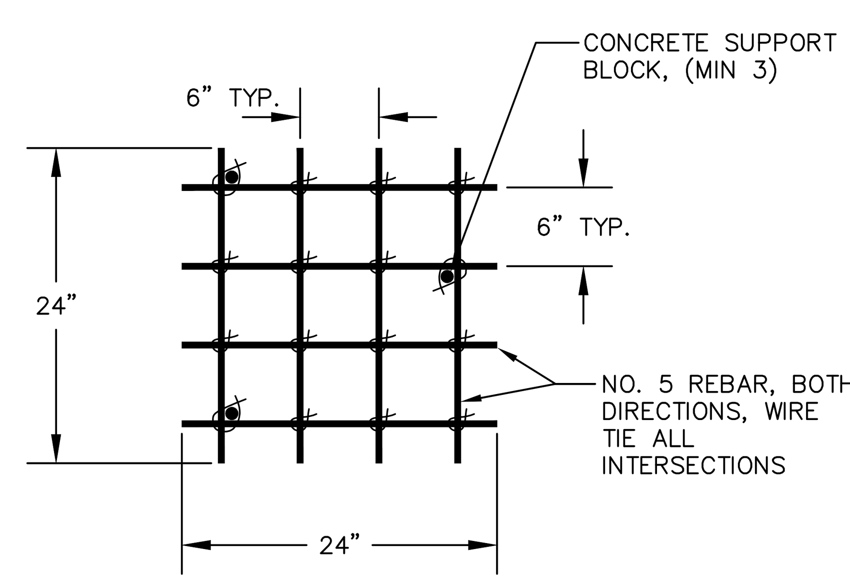


A E7.1 SPACER DETAIL

NOTES:

1. SEE TYPICAL SECTION DRAWINGS FOR EXACT PAVEMENT SECTIONS.
2. PLACEMENT OF BASE CAN IS IMPORTANT IN RESPECT TO AIMING THE FIXTURE LATER. AIMING ANGLES ARE PRECISE AND BOLT PATTERN OF FIXTURE TO BASE MAY RESTRICT THE ORIENTATION ANGLE OF THE FIXTURE. INSTALL THE BASE CAN WITH AIMING ANGLE IN MIND.





REBAR MAT

2 E7.1 REINFORCING STEEL FOR IN-PAVEMENT FIXTURE

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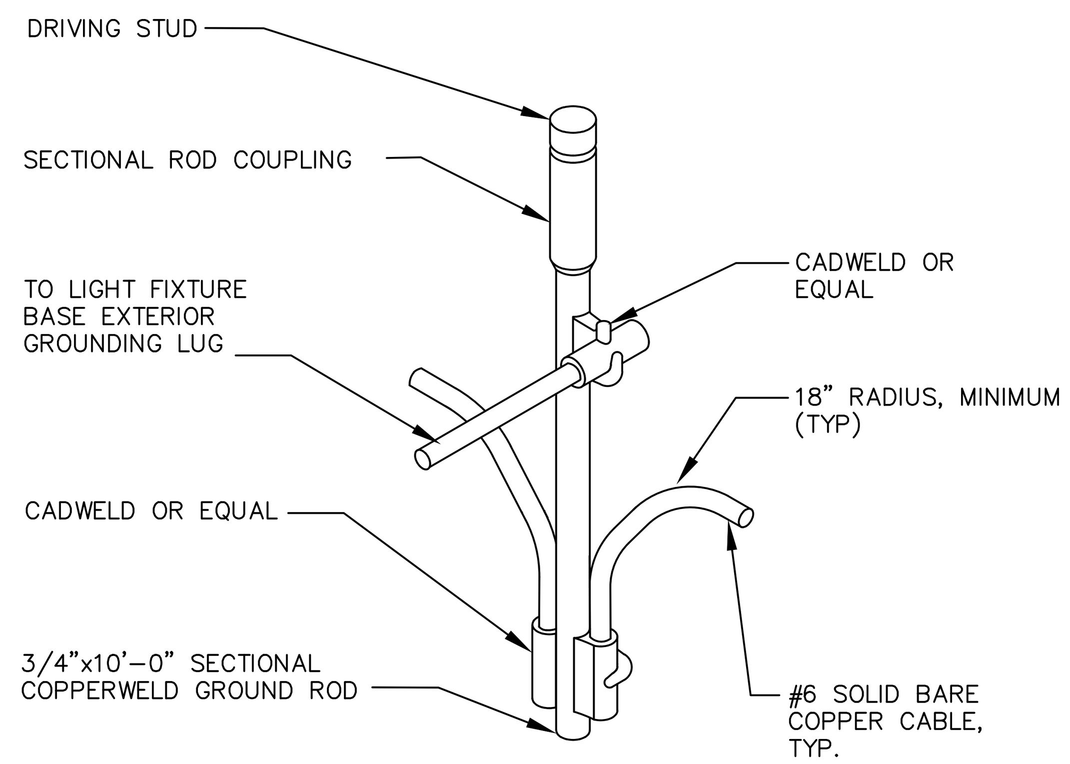
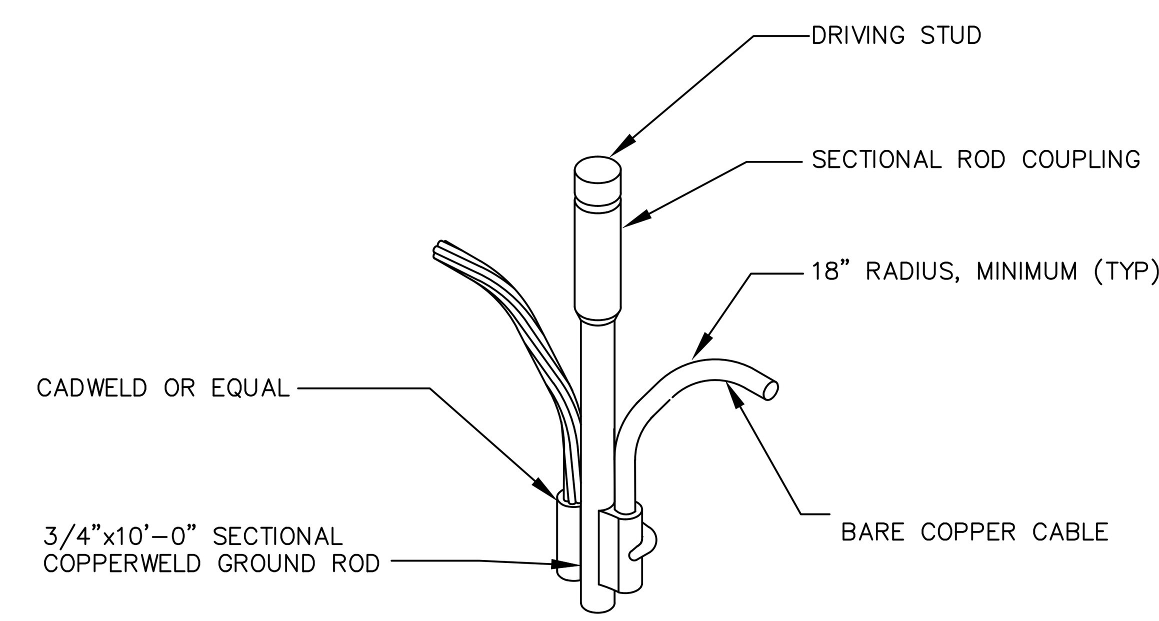
ELECTRICAL DETAILS
SHEET 2 OF 8

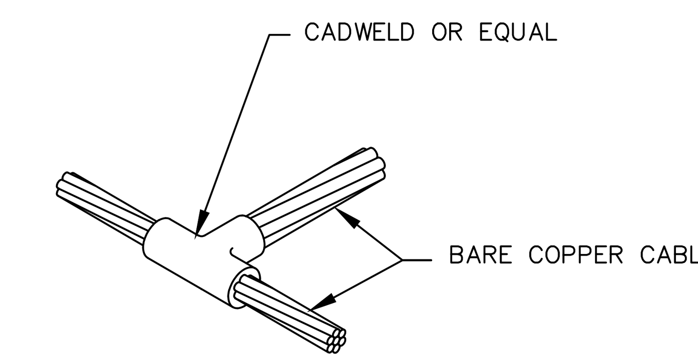
PROJECT NO. 091134073
FILE NO. 091134073 - EZ
E7.1



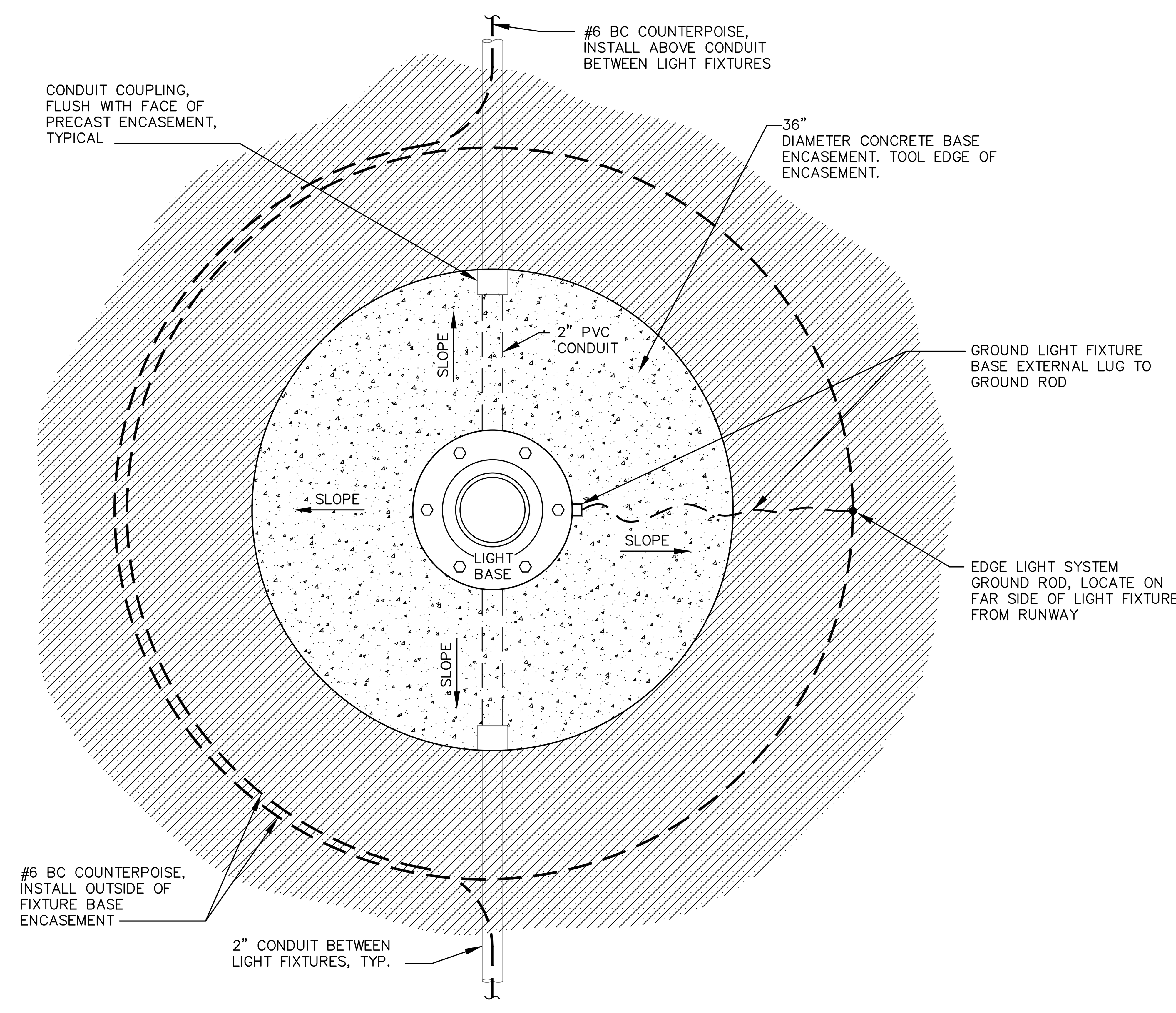
1 E7.2 EDGE LIGHT GROUNDING DETAIL



2 E7.2 COUNTERPOISE SYS. GROUND ROD DETAIL



3 E7.2 COUNTERPOISE SYS. GROUND DETAIL



4 E7.2 ELEVATED EDGE LIGHT COUNTERPOISE DETAIL

Call at least two full working days before you begin excavation.
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SHEET 3 OF 8

PROJECT NO. 091134073
FILE NO. 091134073 - EZ

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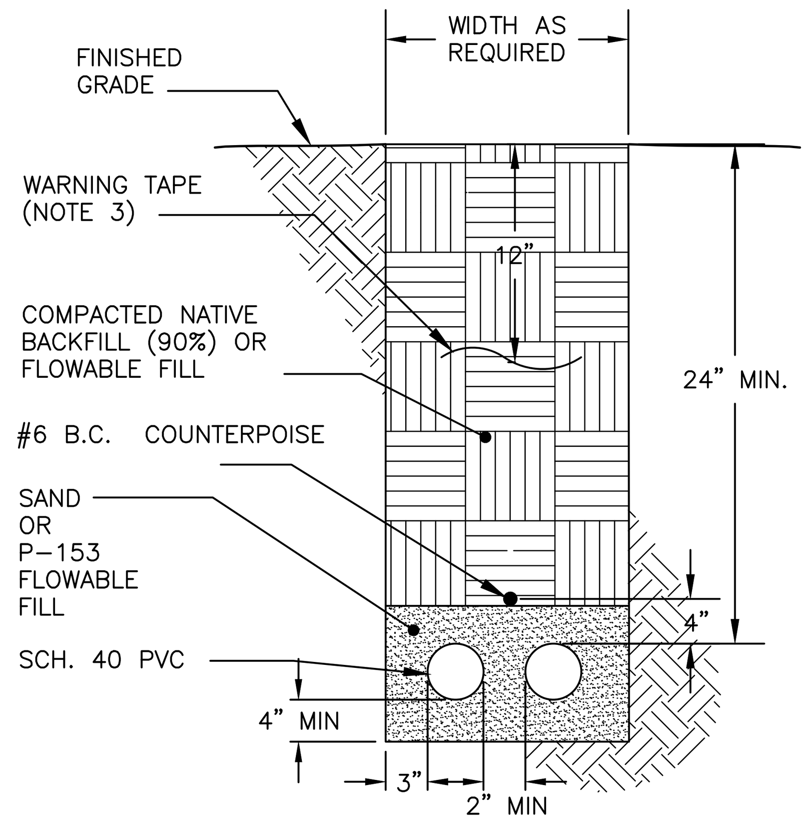
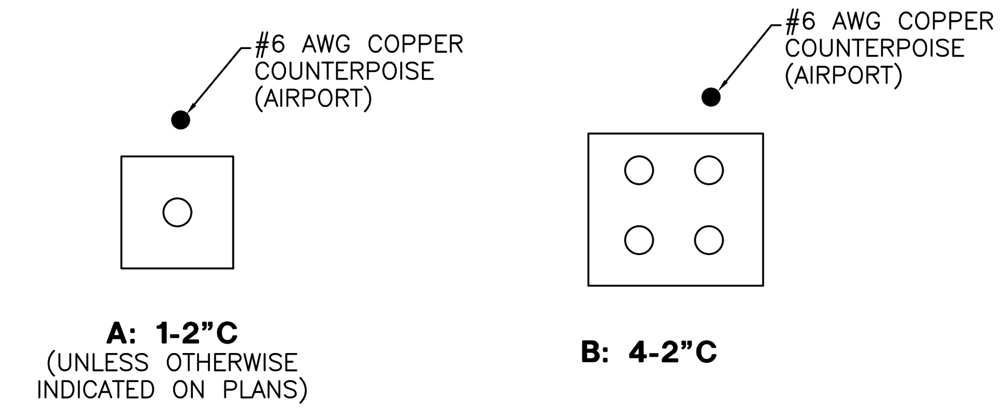
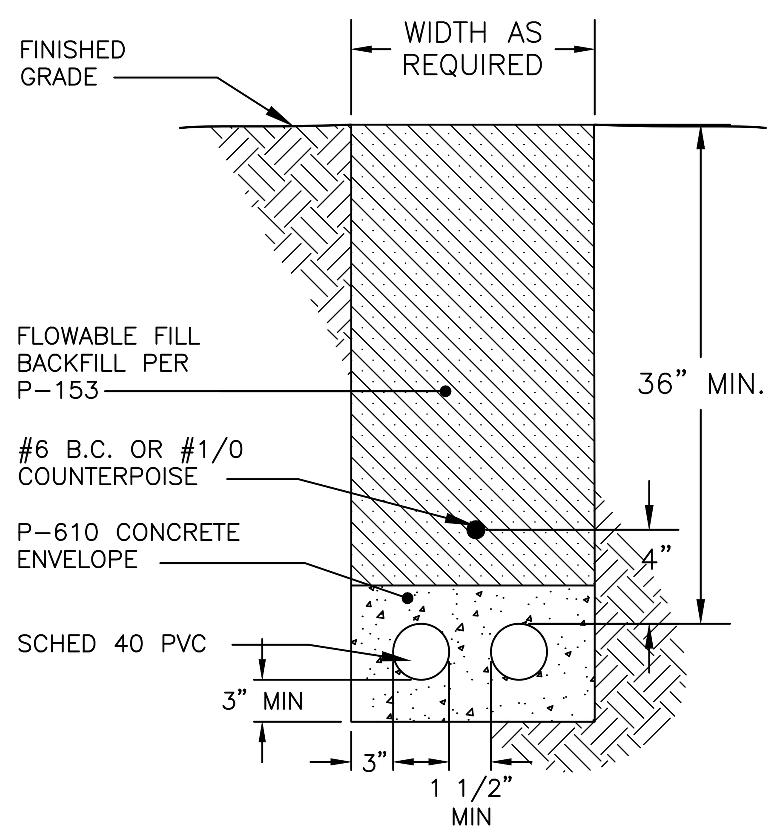
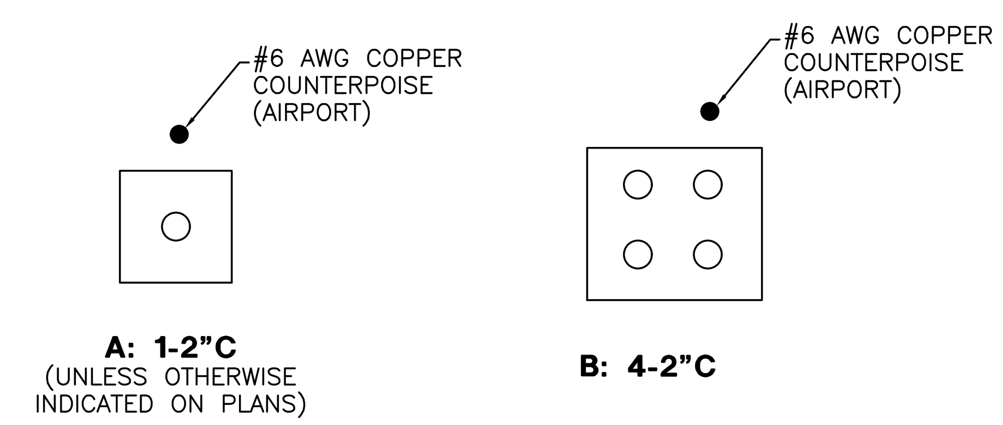




1 E7.3 TYPICAL TRENCH SECTION – DIRECT BURY

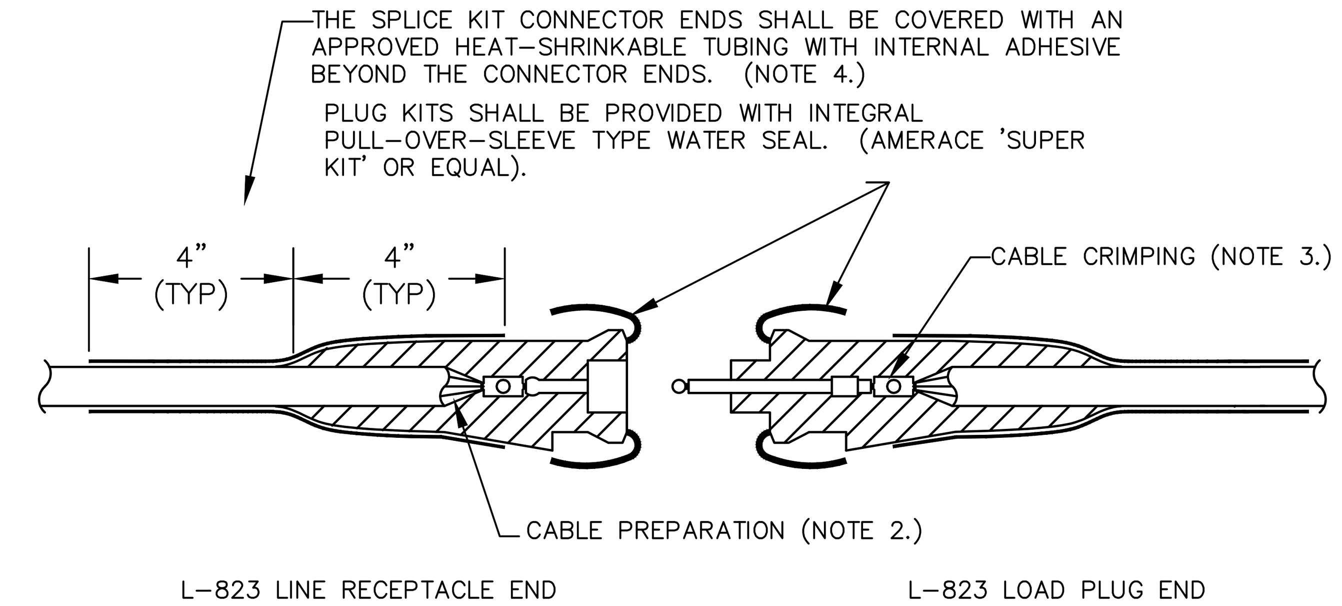




2 E7.3 TYPICAL TRENCH SECTION – CONCRETE ENCASED

CONDUIT/DUCT & CABLE INSTALLATION NOTES:

1. SEE PLANS FOR REQUIRED DUCT SECTIONS. ALL OF THE SECTIONS SHOWN ON THIS DRAWING MAY NOT BE USED ON THIS PROJECT.
2. PROVIDE PULL WIRES IN ALL (NEW) UNUSED CONDUITS. PLUG ENDS IN HANDHOLES AND MANHOLES.
3. WARNING TAPE REQUIRED WHEN DUCTS ARE INSTALLED IN AREAS NOT BELOW FULL STRENGTH PAVEMENT.
4. 4000 PSI P-610 CONCRETE ENCASE UNDER FULL STRENGTH PAVEMENT AND AS OTHERWISE INDICATED ON PLANS.
5. REFER TO SPECIFICATION ITEM L-110 FOR CONDUIT/DUCT SPACER SYSTEM.
6. INSTALL LIGHTING SERIES CIRCUITS AS FOLLOWS:
   - 6.1. ONE CIRCUIT (1 OR 2 CONDUCTORS) PER 2"C. LIMIT 4"C TO NO MORE THAN (8) CONDUCTORS.
   - 6.2. START INSTALLATION IN BOTTOM CONDUITS OF DUCT ARRAY, LEAVING THE UPPER CONDUITS EMPTY.

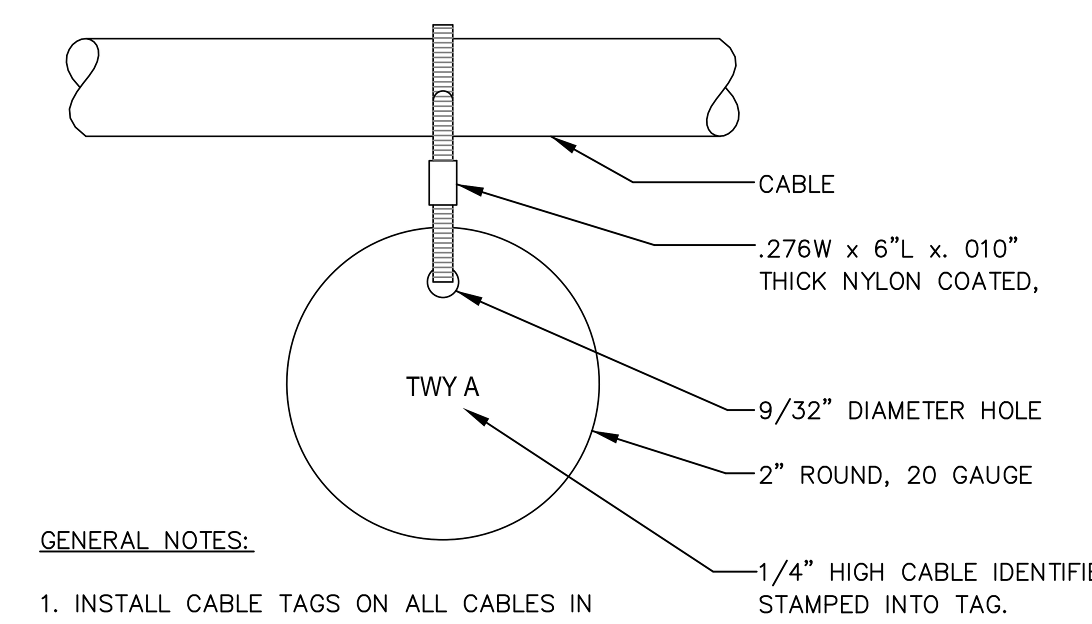


FOR SPLICES INSIDE CAN, JUNCTION BOXES AND HANDHOLES

NOTES:

1. PROVIDE MALE AND FEMALE L-823 CONNECTORS AS REQUIRED ON EACH CONDUCTOR IN EACH BASE, HANDHOLE OR MANHOLE IN THE FIELD CIRCUIT. THERE SHALL BE NO SPLICES BETWEEN LIGHTS, ONLY IN BASES OR HANDHOLES. AS MUCH AS PRACTICAL, HOMERUN CIRCUITS FROM THE FIELD CIRCUIT CONNECTION INTO THE MAIN DUCT SYSTEM BACK TO THE AIRFIELD LIGHTING VAULT SHALL BE INSTALLED WITHOUT SPLICES.
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 HANDHELD RATCHETING TYPE CRIMPING TOOL. EACH CABLE TERMIANTION SHALL BE SECURED BY TWO CRIMPS.
4. ALL CABLE CONNECTORS SHALL BE MADE WITH L-823 CONNECTOR AND WITH AN 8" (APPROXIMATE) LENGTH OF HEAT-SHRINKABLE RUBBER SHEATH OVER THE EACH END OF THE PLUG ASSEMBLY.
5. AT THE POINT OF CONNECTION WITH THE EXISTING FIELD CIRCUITS, INSTALL NEW L-823 PLUGS ON BOTH THE NEW AND EXISTING CABLES. VERIFY INSULATION TYPES OF BOTH NEW AND EXISTING CABLES AND COORDINATE WITH TERMINATION KITS TO ASSURE PROPER AND WATERPROOF FIT.
6. HEAT SHRINK MATERIAL MAY BE ELIMINATED FROM THE PORTION OF THE SPLICE KIT WHICH IS PART OF AN UNMODIFIED FACTORY ASSEMBLY FOR AN ISOLATION TRANSFORMER.

3 E7.3 "SUPER KIT" TYPICAL 5kV CABLE SPLICE



GENERAL NOTES:

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

R/W, T/W FIXTURE MARKER
XXX = FIXTURE NUMBER
TA = CIRCUIT NAME

R/W, T/W SIGN MARKER
XXX = SIGN NUMBER
TA = CIRCUIT NAME

NOTES:

IDENTIFICATION NUMBERS FOR R/W AND T/W FIXTURES WILL BE PROVIDED TO THE CONTRACTOR AFTER BIDDING. EACH NEW FIXTURE WILL BE ASSIGNED AN IDENTIFICATION NUMBER WHICH SHALL BE INSTALLED NEAR THE END OF CONSTRUCTION.

TAGS SHALL BE NON-FERROUS PLASTIC OF TYPE AND SIZE AS SPECIFIED UNDER ITEM L-100,

4 E7.3 CABLE AND FIXTURE IDENTIFICATION TAGS

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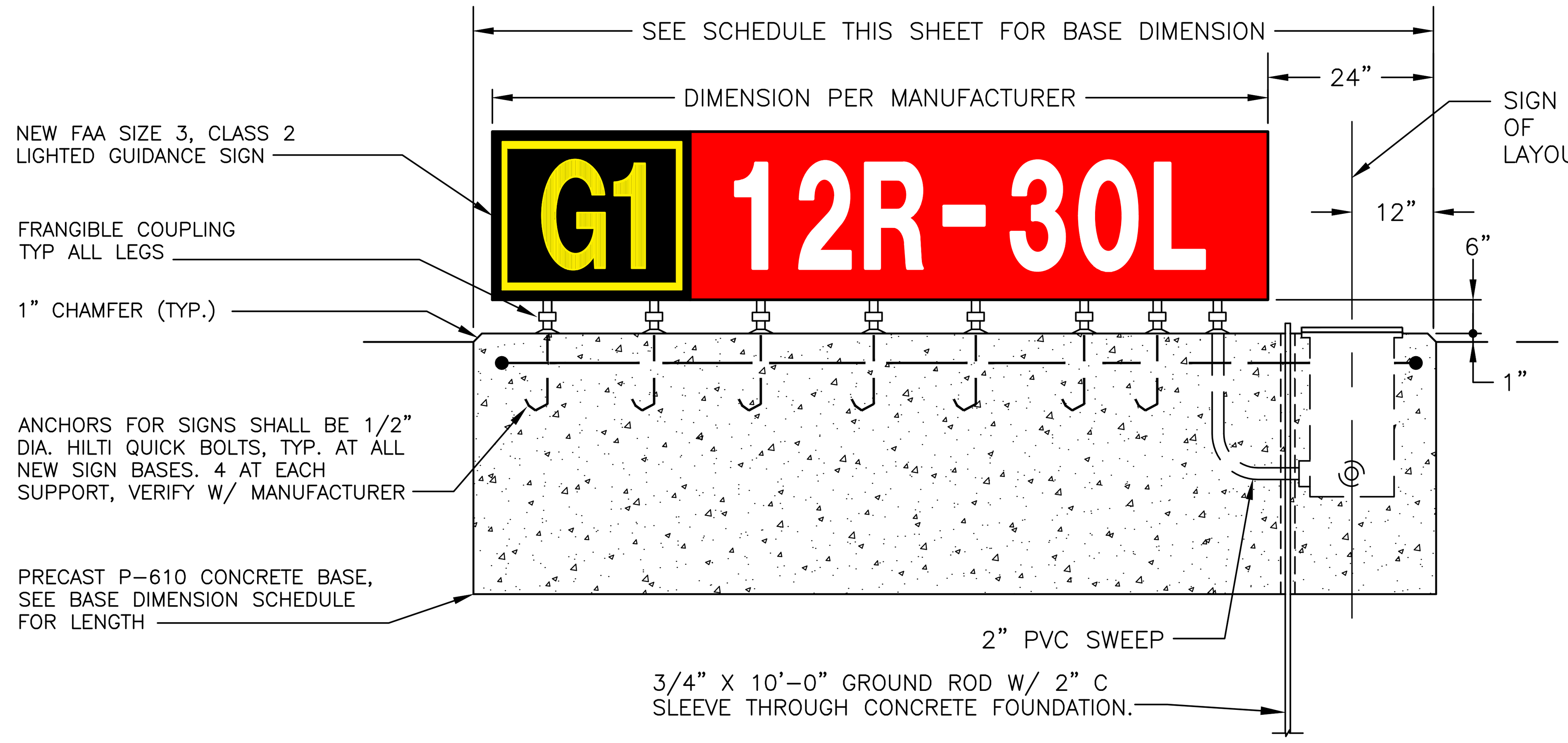
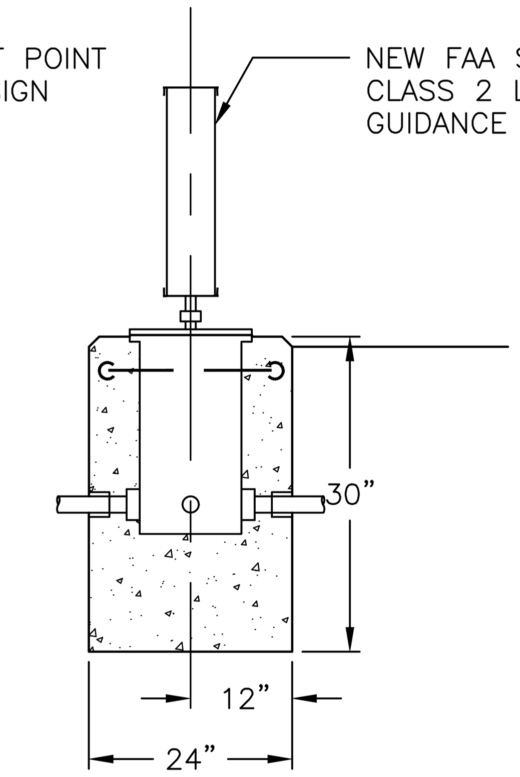
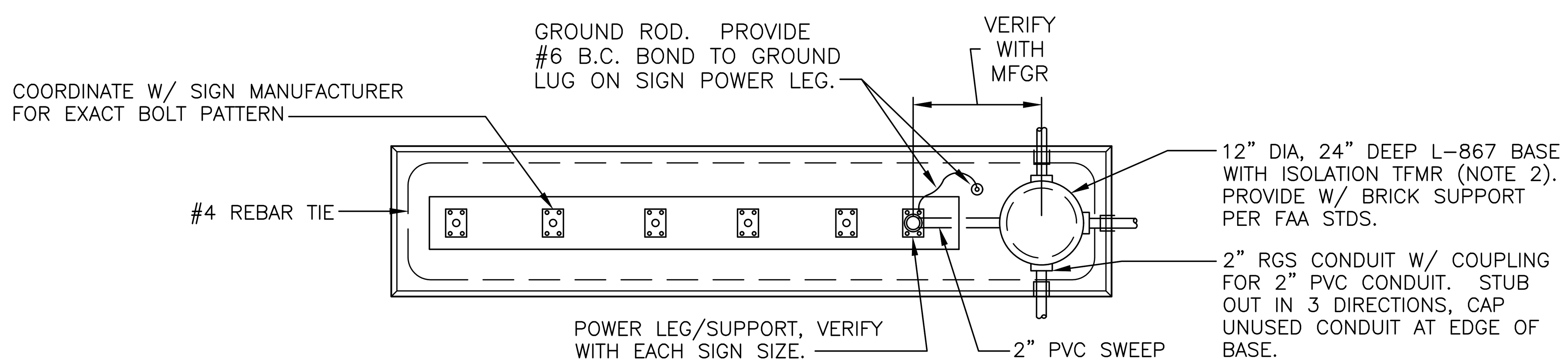
SHEET 4 OF 8

PROJECT NO. 091134073
FILE NO. 091134073 - EZ

E7.3





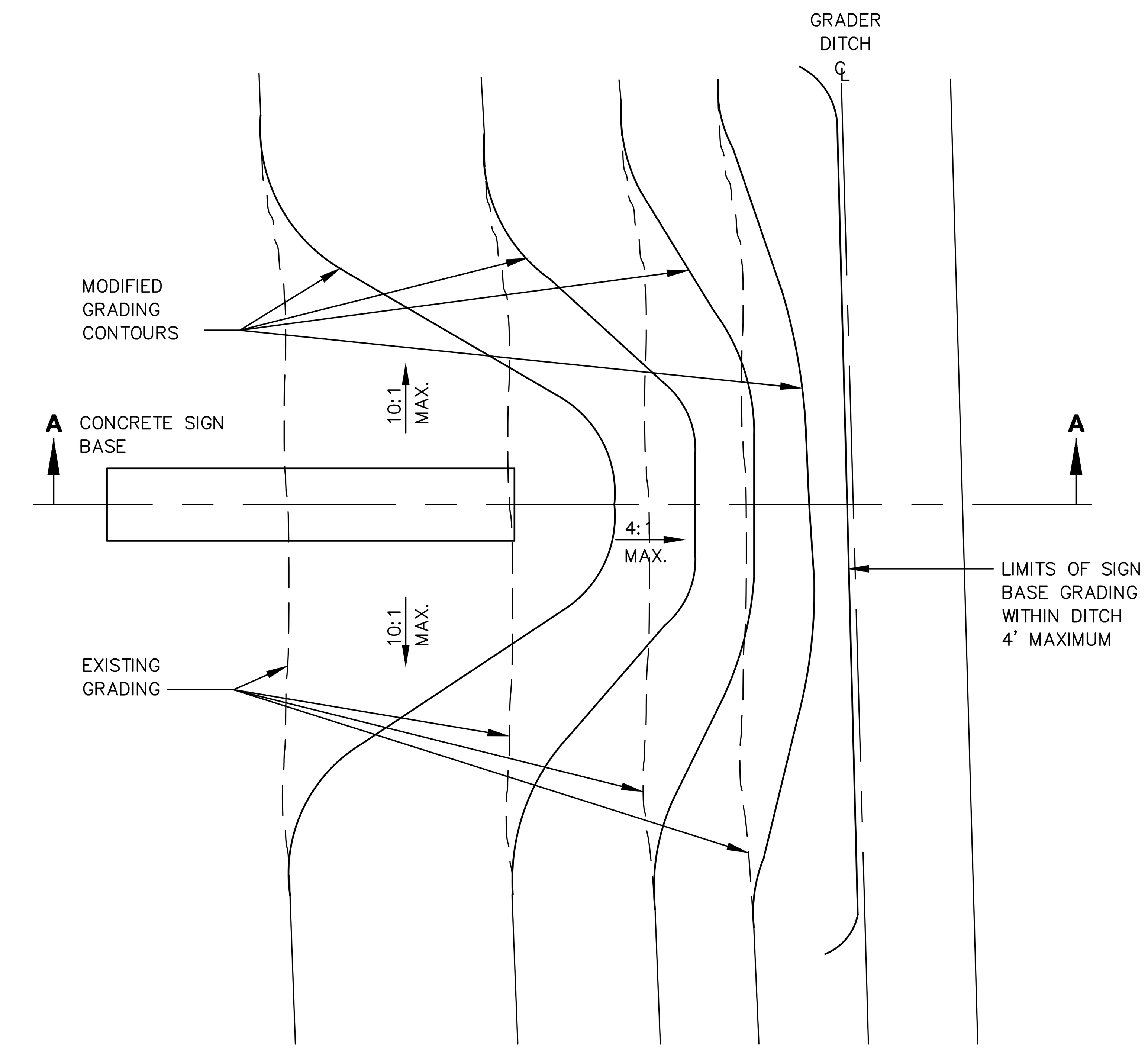


1 E4.06 NEW AIRFIELD GUIDANCE SIGN ON NEW BASE DETAIL

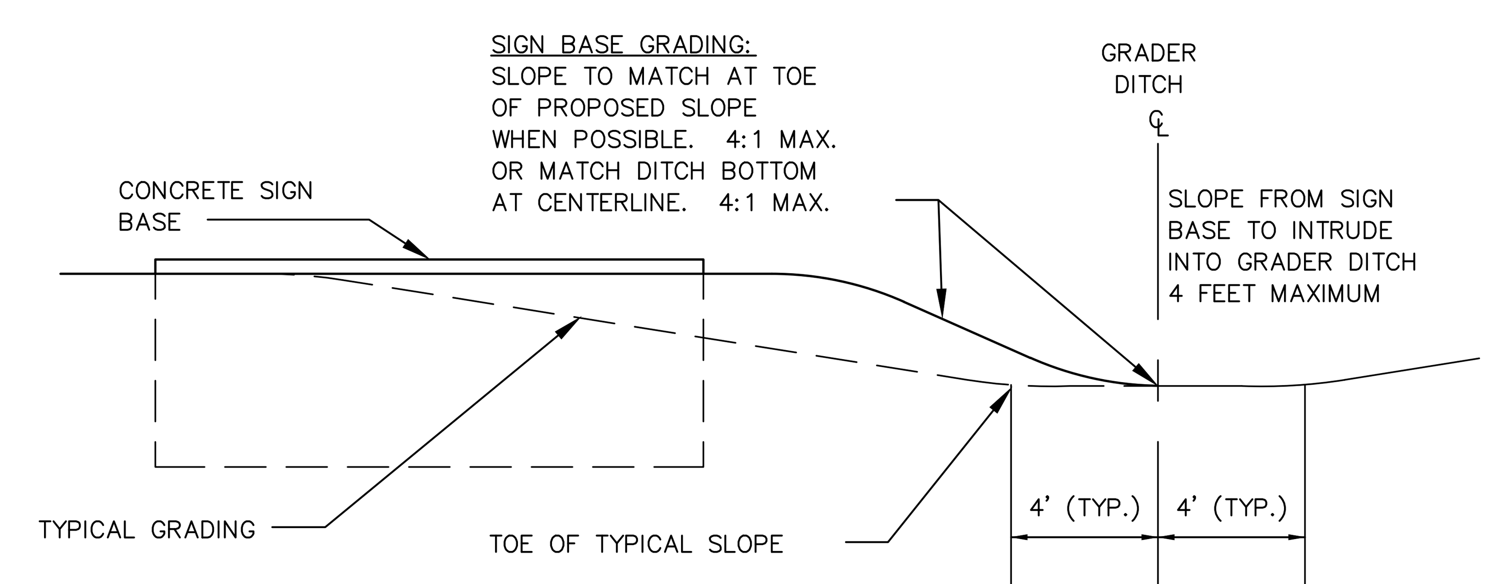
SIGN INSTALLATION NOTES:

1. VERIFY ALL DIMENSIONS OF SIGN FACES, SIGN PEDESTALS, AND SIGN FACE SPACING WITH MANUFACTURER BEFORE INSTALLATION.
2. PROVIDE NEW TRANSFORMERS WITH NEW SIGNS, SIZE PER MANUFACTURERS RECOMMENDATIONS.
3. SEE E2XX SERIES DRAWINGS FOR SIGN CONTENTS AND LOCATIONS.
4. REFER TO DETAIL A/C704 FOR GRADING DETAIL AROUND SIGN BASES WHERE EXTRA GRADING IS REQUIRED TO MEET BASE REVEAL SLOPE REQUIREMENTS.

BASE DIMENSION SCHEDULE				
SIGN SIZE	BASE DIMENSIONS			
	ONE MODULE	TWO MODULE	THREE MODULE	FOUR MODULE
3	80" L x 24" W	121" L x 24" W	163" L x 24" W	205" L x 24" W
VERIFY SIGN FOOTING & CONCRETE BASE SIZE WITH MANUFACTURER				



PLAN



SECTION A - A

2 E7.4 GUIDANCE SIGN - GRADING DETAIL

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SHEET 5 OF 8

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E7.4
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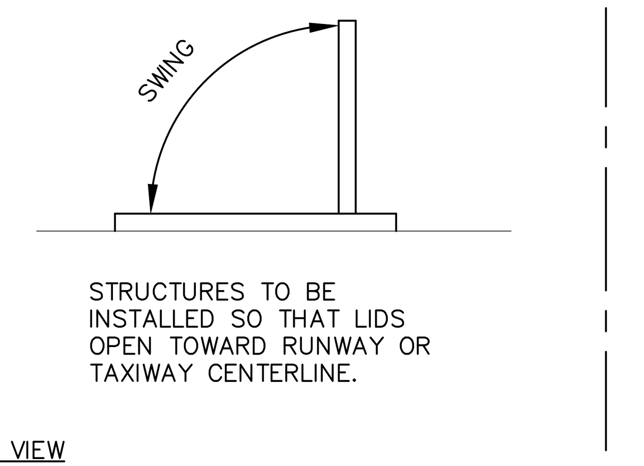
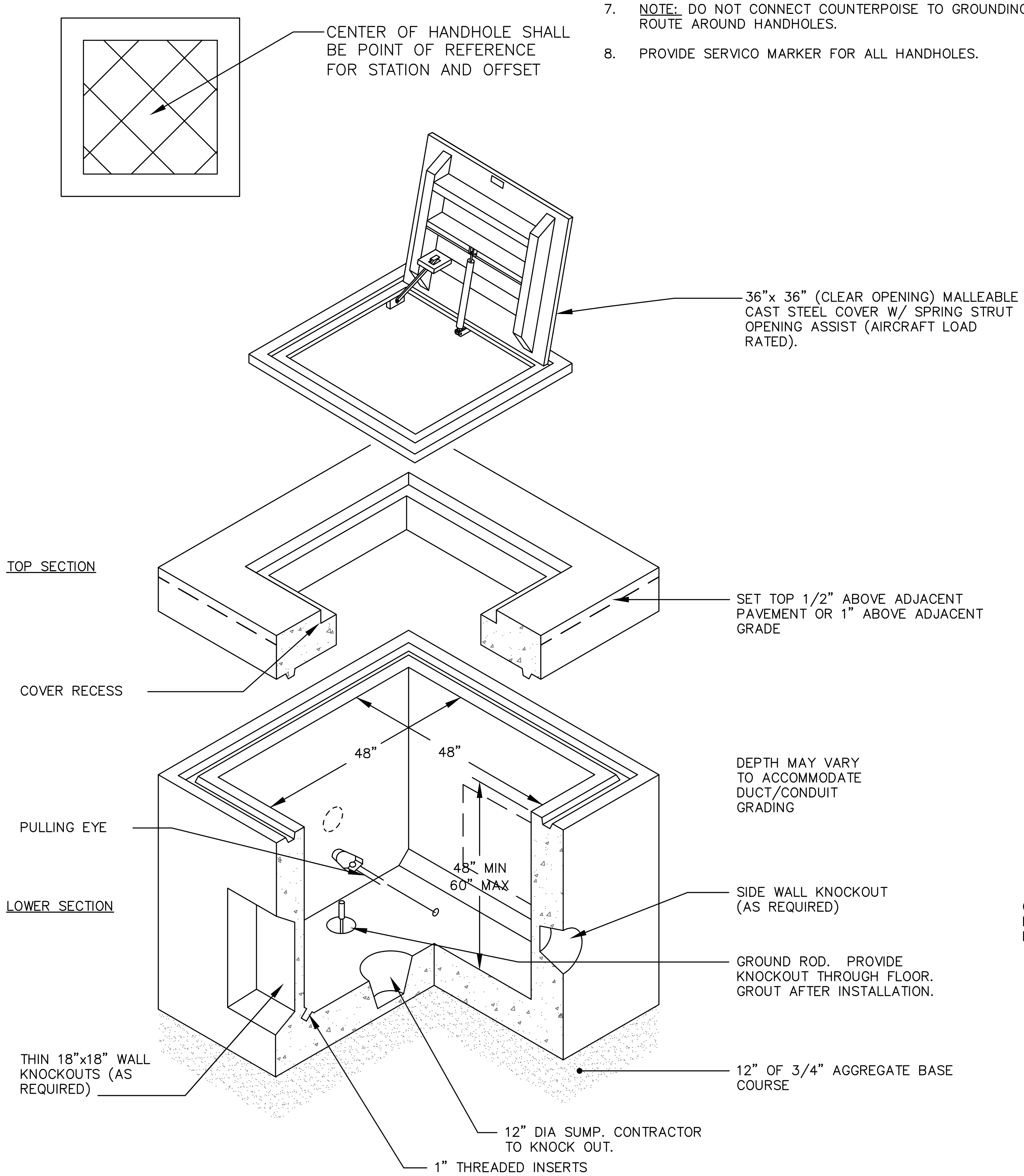
R/W OR
T/W C



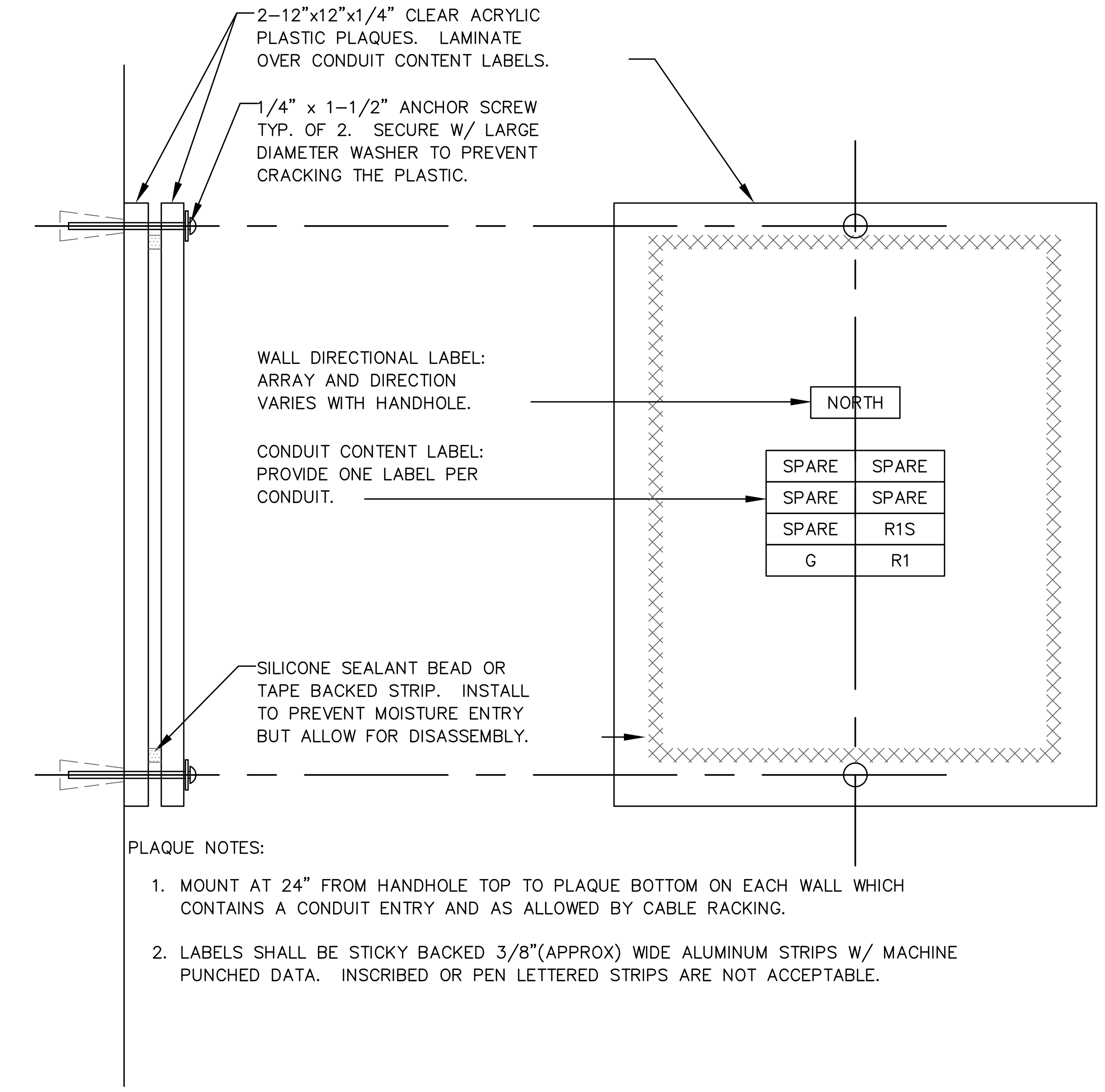
PLAN VIEW

HANDHOLE NOTES:

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



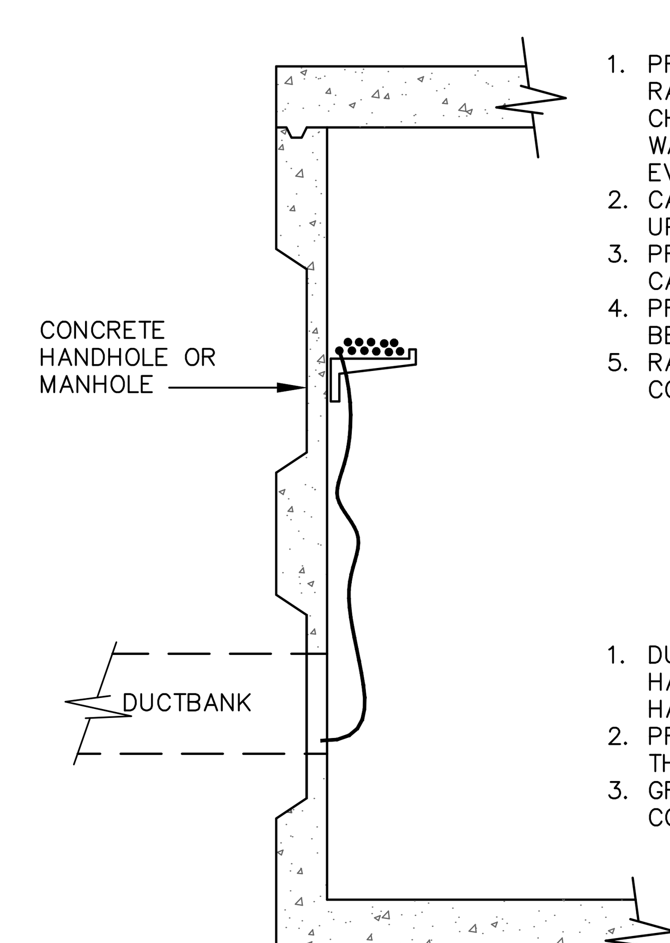
1 E7.5 AIRCRAFT LOAD RATED HANDHOLE



PLAQUE NOTES:

1. MOUNT AT 24" FROM HANDHOLE TOP TO PLAQUE BOTTOM ON EACH WALL WHICH CONTAINS A CONDUIT ENTRY AND AS ALLOWED BY CABLE RACKING.
2. LABELS SHALL BE STICKY BACKED 3/8"(APPROX) WIDE ALUMINUM STRIPS W/ MACHINE PUNCHED DATA. INSCRIBED OR PEN LETTERED STRIPS ARE NOT ACCEPTABLE.

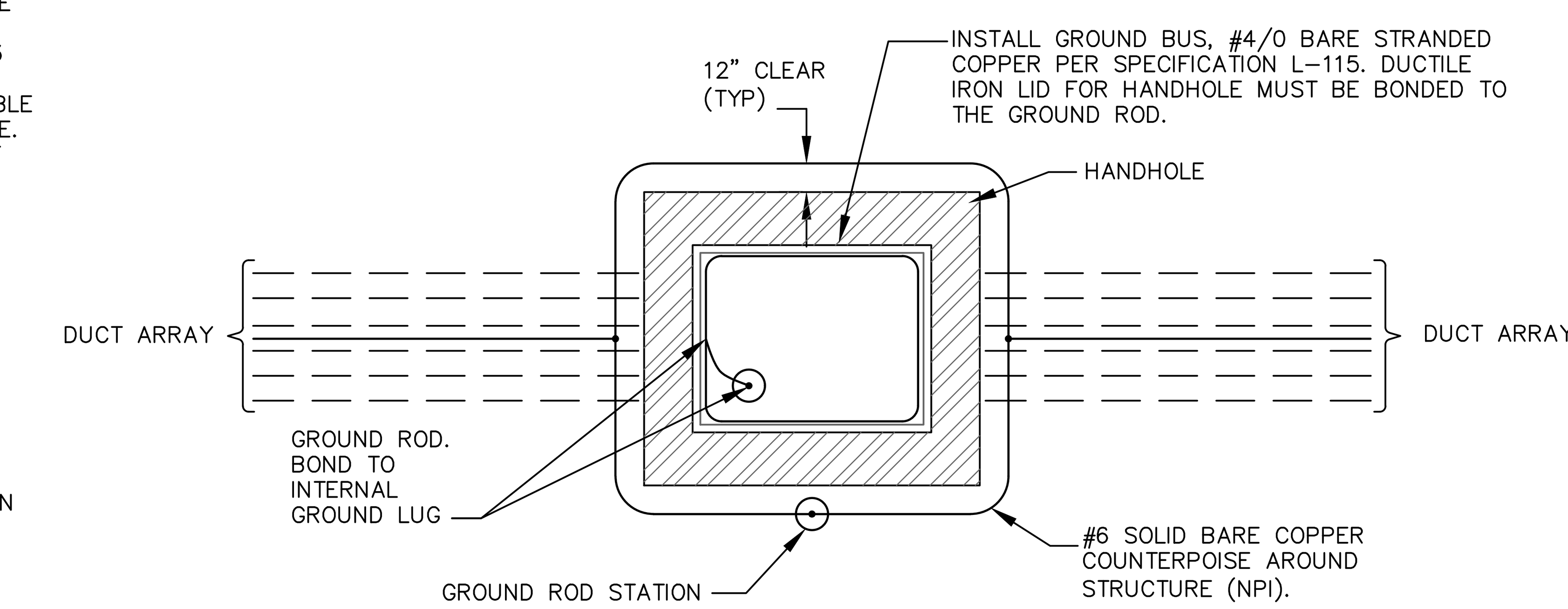
2 E7.5 CABLE ROUTING PLAQUE DETAIL



1. PROVIDE HEAVY DUTY NONMETALLIC CABLE RACK WITH ADJUSTABLE ARMS, BOLTED TO CHANNELS INSET IN MANHOLE/HANDHOLE WALLS. PROVIDE MINIMUM (2) ARMS FOR EVERY WALL.
2. CABLE RACKING SHALL BE LIMITED TO THE UPPER HALF OF THE HANDHOLE.
3. PROVIDE CIRCUIT TAGS FOR EVERY L-823 CABLE SPLICE.
4. PROVIDE A MINIMUM OF TEN FEET OF CABLE BETWEEN ENTRY POINT AND L-823 SPLICE.
5. RACK CABLES ON SIDE(S) OF ENTRY/EXIT CONDUITS.

1. DUCT/CONDUIT ARRAY SHALL ENTER HANDHOLE IN LOWER HALF OF THE HANDHOLE.
2. PROVIDE BELL END FOR EVERY CONDUIT IN THE ARRAY.
3. GROUT AROUND/BETWEEN CONDUITS & CONCRETE WALL.

3 E7.5 CABLE RACKING DETAIL



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

4 E7.5 HANDHOLE COUNTERPOISE DETAIL

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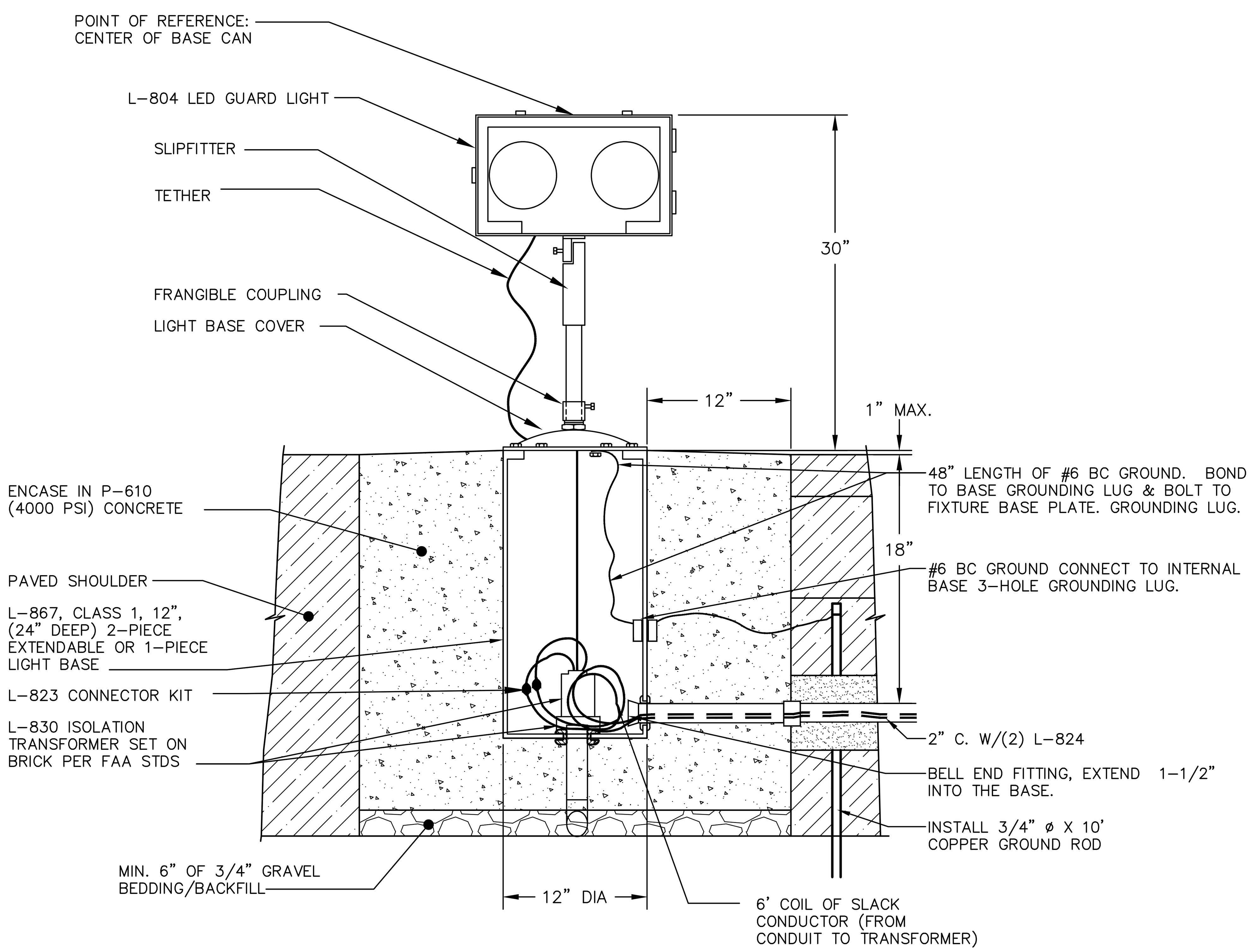
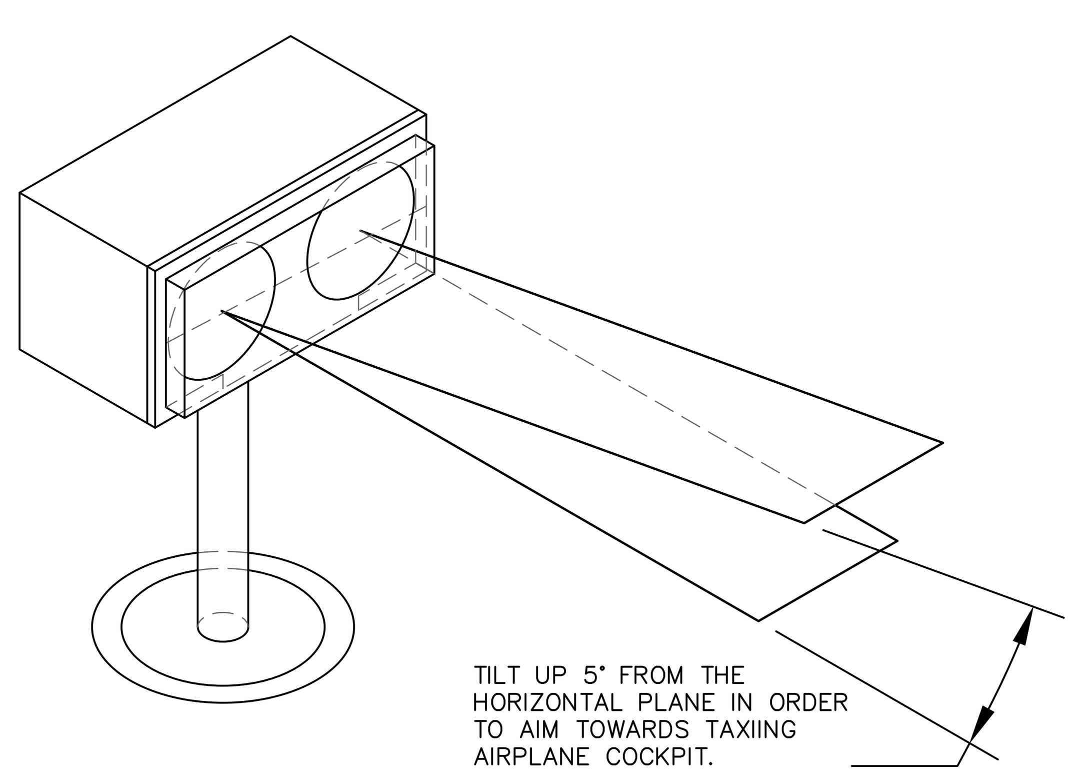
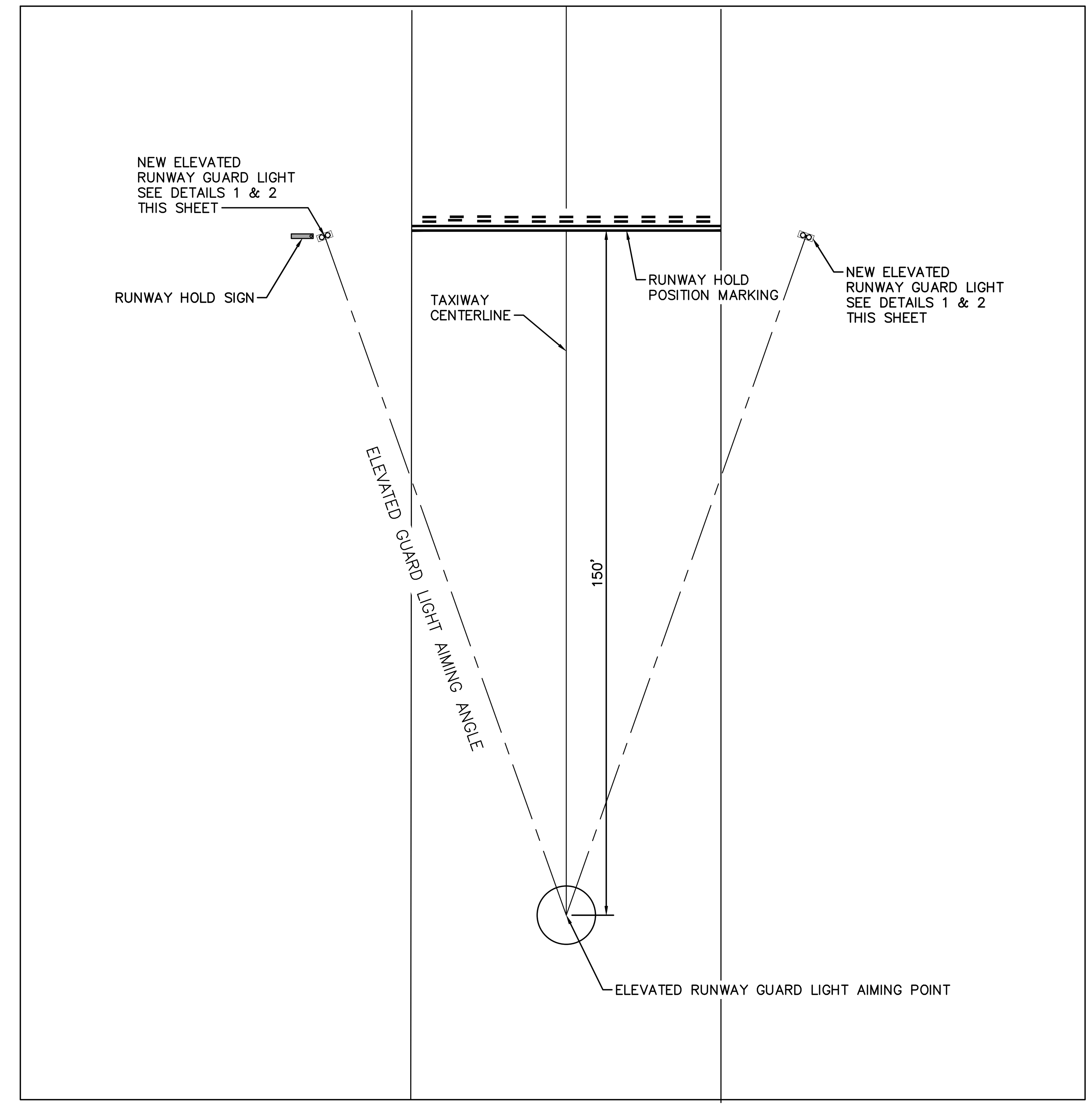


1 ELEVATED RUNWAY GUARD LIGHT DETAIL
E7.6



2 ELEVATED RUNWAY GUARD LIGHT AIMING ANGLE DETAIL
E7.6



TYPICAL PLAN VIEW

PLANS TO BE PRINTED IN COLOR
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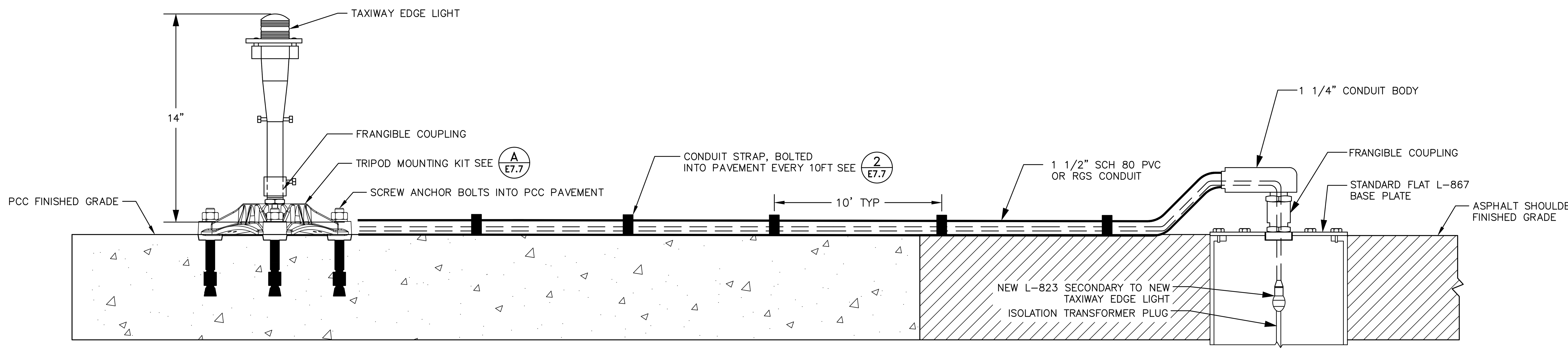
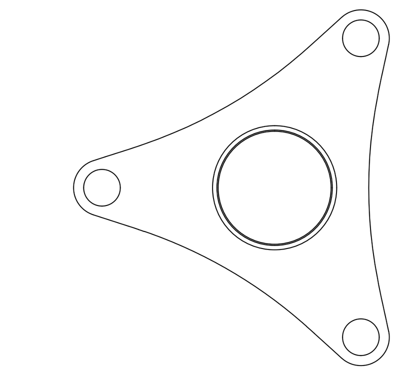
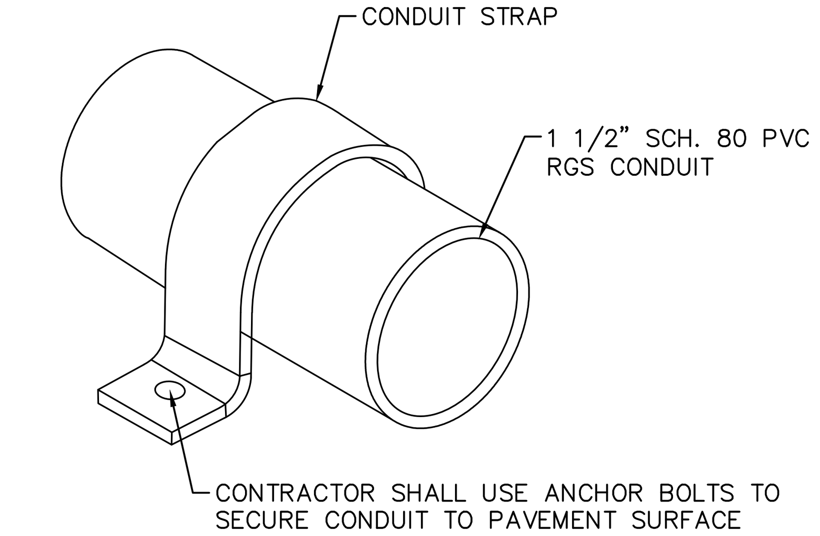


1 E7.7 TEMPORARY CONDITION ELEVATED TAXIWAY EDGE LIGHT INSTALLATION DETAIL

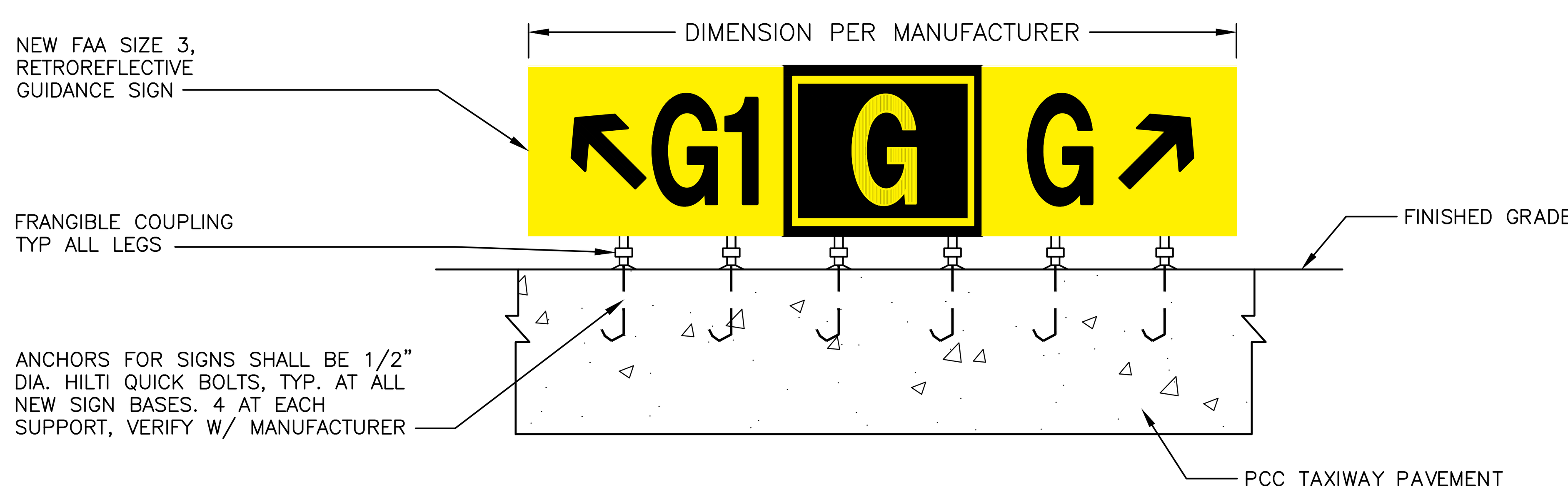


TRIPOD PLAN VIEW

A E7.7 TRIPOD MOUNTING KIT



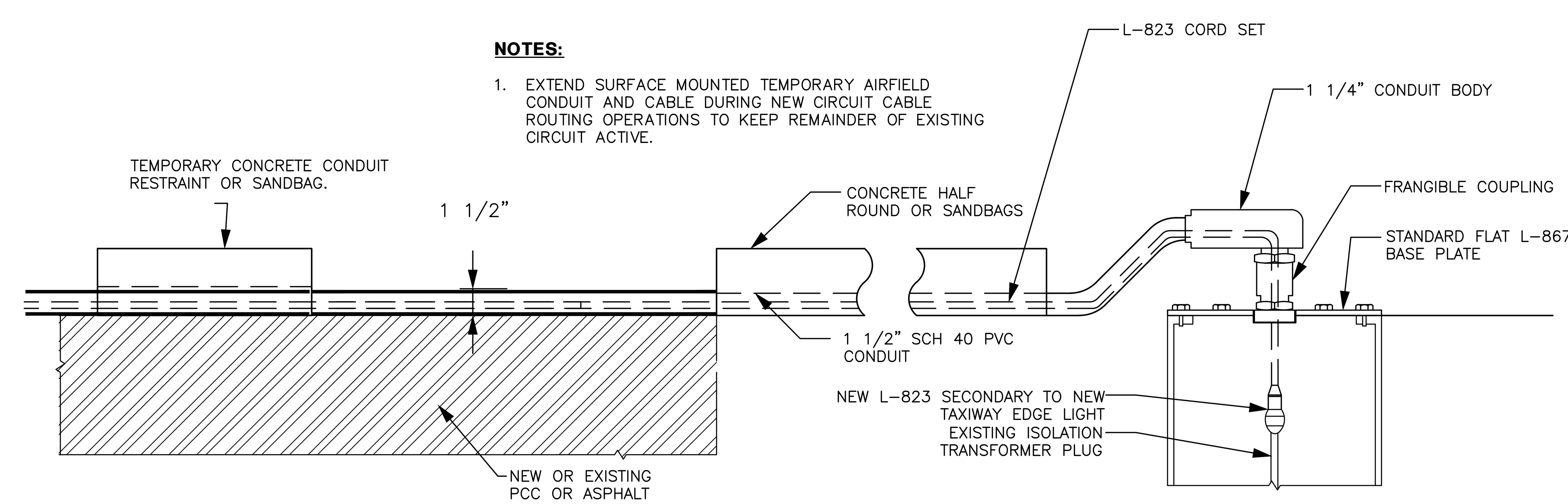
2 E7.7 CONDUIT STRAP



3 E7.7 TEMPORARY RETROREFLECTIVE SIGN DETAIL

NOTES:

1. EXTEND SURFACE MOUNTED TEMPORARY AIRFIELD CONDUIT AND CABLE DURING NEW CIRCUIT CABLE ROUTING OPERATIONS TO KEEP REMAINDER OF EXISTING CIRCUIT ACTIVE.



4 E7.7 TEMPORARY SURFACE MOUNTED CIRCUIT BYPASS

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MESA, ARIZONA 85212
(480) 988-7600
GATEWAYAIRPORT.COM

PROJECT NAME
MESA GATEWAY AIRPORT
TAXIWAY G REALIGNMENT

ELECTRICAL DETAILS
SHEET 8 OF 8

PROJECT NO. 091134073
FILE NO. 091134073 - EZ

E7.7

ACS Services LLC

BORING B-1

Client: Kimley-Horn **Date:** 10/27/2025 **Project No.** 2501632
Project: MGAA - Taxiway G Realignment **Type of Boring:** 7.875 inch Hollow Stem Auger
Address: 6033 South Sossaman Road, Mesa, AZ **Field Engineer:** Adrianne Roberts
Location: See Site Map

Depth (Feet)	Sample Type	Blows per 6"	Moisture %	Dry Density (PCF)	USCS Soil Class	Description of Subsurface Conditions
0–5	B	5, 27, 20, 15, 13, 14, 18, 25	5.9		SC	Brown clayey SAND some gravel, damp, dense, PI of 15
9–10.5	S	3, 4, 36			SC	Brown clayey SAND with gravel, slightly damp, dense, medium PI
10.5						Terminated auger at 9.0 ft, STP at 10.5 ft, Backfilled boring with auger cuttings

Groundwater		
Depth	Time	Date
N/A		

SAMPLE TYPE
- B - Bulk Sample
- S - 2" O.D. 1.38" I.D. Split Spoon Sample
- U - 3" O.D. 2.42" I.D. Ring Sample

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ACS Services LLC

BORING B-2

Client: Kimley-Horn **Date:** 10/27/2025 **Project No.** 2501632
Project: MGAA - Taxiway G Realignment **Type of Boring:** 7.875 inch Hollow Stem Auger
Address: 6033 South Sossaman Road, Mesa, AZ **Field Engineer:** Adrianne Roberts
Location: See Site Map

Depth (Feet)	Sample Type	Blows per 6"	Moisture %	Dry Density (PCF)	USCS Soil Class	Description of Subsurface Conditions
0–5	B	3, 2, 10, 12, 6, 5, 7, 9			SC	Brown clayey SAND with gravel, damp, loose, medium PI
9–10.5	S	9, 18, 31			SC	Brown clayey SAND, slightly damp, dense, medium PI
10.5						Terminated auger at 9.0 ft, STP at 10.5 ft, Backfilled boring with auger cuttings

Groundwater		
Depth	Time	Date
N/A		

SAMPLE TYPE
- B - Bulk Sample
- S - 2" O.D. 1.38" I.D. Split Spoon Sample
- U - 3" O.D. 2.42" I.D. Ring Sample

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ACS Services LLC

BORING B-3

Client: Kimley-Horn **Date:** 10/27/2025 **Project No.** 2501632
Project: MGAA - Taxiway G Realignment **Type of Boring:** 7.875 inch Hollow Stem Auger
Address: 6033 South Sossaman Road, Mesa, AZ **Field Engineer:** Adrianne Roberts
Location: See Site Map

Depth (Feet)	Sample Type	Blows per 6"	Moisture %	Dry Density (PCF)	USCS Soil Class	Description of Subsurface Conditions
0–5	B	3, 5, 8, 9, 9, 10, 14, 19			SC	Brown clayey SAND trace gravel, damp, loose, medium PI
9–10.5	S	39, 39, 50/4			SC	Brown clayey SAND, slightly damp, very dense, medium PI
10.5						Terminated auger at 9.0 ft, STP at 10.5 ft, Backfilled boring with auger cuttings

Groundwater		
Depth	Time	Date
N/A		

SAMPLE TYPE
- B - Bulk Sample
- S - 2" O.D. 1.38" I.D. Split Spoon Sample
- U - 3" O.D. 2.42" I.D. Ring Sample

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ACS Services LLC

BORING B-4

Client: Kimley-Horn **Date:** 10/28/2025 **Project No.** 2501632
Project: MGAA - Taxiway G Realignment **Type of Boring:** 7.875 inch Hollow Stem Auger
Address: 6033 South Sossaman Road, Mesa, AZ **Field Engineer:** Adrianne Roberts
Location: See Site Map

Depth (Feet)	Sample Type	Blows per 6"	Moisture %	Dry Density (PCF)	USCS Soil Class	Description of Subsurface Conditions
0–5	B	4, 7, 10, 11, 12, 16, 20, 25			CL	Brown sandy CLAY, slightly damp, stiff, medium PI
9–10.5	S	27, 32, 30			SC	Brown clayey SAND, slightly damp, very dense, medium PI
10.5						Terminated auger at 9.0 ft, STP at 10.5 ft, Backfilled boring with auger cuttings

Groundwater		
Depth	Time	Date
N/A		

SAMPLE TYPE
- B - Bulk Sample
- S - 2" O.D. 1.38" I.D. Split Spoon Sample
- U - 3" O.D. 2.42" I.D. Ring Sample

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ACS Services LLC

BORING B-5

Client: Kimley-Horn **Date:** 10/28/2025 **Project No.** 2501632
Project: MGAA - Taxiway G Realignment **Type of Boring:** 7.875 inch Hollow Stem Auger
Address: 6033 South Sossaman Road, Mesa, AZ **Field Engineer:** Adrianne Roberts
Location: See Site Map

Depth (Feet)	Sample Type	Blows per 6"	Moisture %	Dry Density (PCF)	USCS Soil Class	Description of Subsurface Conditions
0–5	B	4, 7, 10, 13, 14, 17, 18, 25	4.7		CL	Brown sandy CLAY, slighlty damp, stiff, PI of 11
9–10.5	S	19, 18, 39			SC	Brown clayey SAND, slightly damp, very dense, medium PI
10.5						Terminated auger at 9.0 ft, STP at 10.5 ft, Backfilled boring with auger cuttings

Groundwater		
Depth	Time	Date
N/A		

SAMPLE TYPE
- B - Bulk Sample
- S - 2" O.D. 1.38" I.D. Split Spoon Sample
- U - 3" O.D. 2.42" I.D. Ring Sample

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ACS Services LLC

BORING B-6

Client: Kimley-Horn **Date:** 10/28/2025 **Project No.** 2501632
Project: MGAA - Taxiway G Realignment **Type of Boring:** 7.875 inch Hollow Stem Auger
Address: 6033 South Sossaman Road, Mesa, AZ **Field Engineer:** Adrianne Roberts
Location: See Site Map

Depth (Feet)	Sample Type	Blows per 6"	Moisture %	Dry Density (PCF)	USCS Soil Class	Description of Subsurface Conditions
0–5	B	4, 12, 19, 21, 25, 35, 36, 32			CL	Brown sandy CLAY, slighlty damp, stiff to very stiff, medium PI
9–10.5	S	20, 50/5			SC	Brown clayey SAND with gravel, slightly damp, very dense, medium PI
10.5						Terminated auger at 9.0 ft, STP at 10.5 ft, Backfilled boring with auger cuttings

Groundwater		
Depth	Time	Date
N/A		

SAMPLE TYPE
- B - Bulk Sample
- S - 2" O.D. 1.38" I.D. Split Spoon Sample
- U - 3" O.D. 2.42" I.D. Ring Sample

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ACS Services LLC

BORING B-7

Client: Kimley-Horn **Date:** 10/28/2025 **Project No.** 2501632
Project: MGAA - Taxiway G Realignment **Type of Boring:** 7.875 inch Hollow Stem Auger
Address: 6033 South Sossaman Road, Mesa, AZ **Field Engineer:** Adrianne Roberts
Location: See Site Map

Depth (Feet)	Sample Type	Blows per 6"	Moisture %	Dry Density (PCF)	USCS Soil Class	Description of Subsurface Conditions
0–5	B	2, 7, 17, 28, 41, 46, 50/5			CL	Brown sandy CLAY, slighlty damp, stiff, medium PI
9–10.5	S	29, 50/3			SC	Brown clayey SAND with gravel, slightly damp, very dense, medium PI
10.5						Terminated auger at 9.0 ft, STP at 10.5 ft, Backfilled boring with auger cuttings

Groundwater		
Depth	Time	Date
N/A		

SAMPLE TYPE
- B - Bulk Sample
- S - 2" O.D. 1.38" I.D. Split Spoon Sample
- U - 3" O.D. 2.42" I.D. Ring Sample

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ACS Services LLC

BORING B-8

Client: Kimley-Horn **Date:** 10/28/2025 **Project No.** 2501632
Project: MGAA - Taxiway G Realignment **Type of Boring:** 7.875 inch Hollow Stem Auger
Address: 6033 South Sossaman Road, Mesa, AZ **Field Engineer:** Adrianne Roberts
Location: See Site Map

Depth (Feet)	Sample Type	Blows per 6"	Moisture %	Dry Density (PCF)	USCS Soil Class	Description of Subsurface Conditions
0–5	B	3, 6, 11, 20, 24, 38, 50/5	5.3		CL	Brown sandy CLAY, slighlty damp, stiff, PI of 14
9–10.5	S	35, 35, 33			SC	Brown clayey SAND, slightly damp, very dense, medium PI
10.5						Terminated auger at 9.0 ft, STP at 10.5 ft, Backfilled boring with auger cuttings

Groundwater		
Depth	Time	Date
N/A		

SAMPLE TYPE
- B - Bulk Sample
- S - 2" O.D. 1.38" I.D. Split Spoon Sample
- U - 3" O.D. 2.42" I.D. Ring Sample

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Arizona Blue Stake, Inc.
Dial 8-1-1 or 1-800-STAKE-IT (782-5348)
In Maricopa County: (602) 263-1100

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NO.	REVISION	DATE	BY

FIRM'S NAME
Kimley»Horn
KIMLEY-HORN AND ASSOCIATES, INC.
2046 Riverview Auto Dr, SUITE 400
Mesa, Arizona 85210 (480) 207-2666

FIRM'S SEAL

SCALE
Horiz. ____
Vert. ____
Date 11/26/2025
Designed by JMM
Drawn by NCW
Checked by NCW
Approved by JMM

Mesa Gateway Airport
MESA GATEWAY AIRPORT AUTHORITY
5835 SOUTH SOSSAMAN ROAD
MESA, ARIZONA 85212
(480) 988-7600
GATEWAYAIRPORT.COM

PROJECT NAME
MESA GATEWAY AIRPORT
TAXIWAY G REALIGNMENT
GEOTECHNICAL BORE HOLE DATA
SHEET 1 OF 4

PROJECT NO. 091134073
FILE NO. 091134073 - GT
G13.1

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ARIZONA811
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Dial 8-1-1 or 1-800-STAKE-IT (782-5348)
In Maricopa County: (602) 263-1100

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NO.	REVISION	BY	DATE

FIRM'S NAME

Kimley»Horn

KIMLEY-HORN AND ASSOCIATES, INC.
2046 Riverview Auto Dr., SUITE 400
Mesa, Arizona 85210 (480) 207-2666

FIRM'S SEAL

SCALE
Horiz.
Vert.
Date 11/26/2025
Designed by JMM
Drawn by NCW
Checked by JMM
Approved by

Mesa Gateway Airport

MESA GATEWAY AIRPORT AUTHORITY
5835 SOUTH SOSSAMAN ROAD
MESA, ARIZONA 85212
(480) 988-7600
GATEWAYAIRPORT.COM

PROJECT NAME

MESA GATEWAY AIRPORT
TAXIWAY G REALIGNMENT

GEOTECHNICAL BORE HOLE DATA

SHEET 2 OF 4

PROJECT NO. 091134073

FILE NO. 091134073 - GT

G13.2

SHEET 151 of 153

ACS Services LLC

BORING B-17

Client: Kimley-Horn | Date: 10/27/2025 | Project No. 2501632
Project: MGAA - Taxiway G Realignment | Type of Boring: 7.875 inch Hollow Stem Auger
Address: 6033 South Sossaman Road, Mesa, AZ | Field Engineer: Adrianne Roberts
Location: See Site Map

Depth (Feet)	Sample	Sample Type	Blows per 6"	Moisture %	Dry Density (PCF)	USCS Soil Class	Description of Subsurface Conditions
0–5	Bulk	B	9, 8, 9, 17, 23, 30, 34, 39			SC	Brown clayey SAND some gravel, damp, medium dense, medium PI
9–10.5	Split Spoon	S	11, 12, 17			SC	Brown clayey SAND, slightly damp, medium dense, medium PI
10.5							Terminated auger at 9.0 ft, STP at 10.5 ft, Backfilled boring with auger cuttings

Depth scale: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

Groundwater Depth	Time	Date
N/A		

SAMPLE TYPE
B - Bulk Sample
S - 2" O.D. 1.38" I.D. Split Spoon Sample
U - 3" O.D. 2.42" I.D. Ring Sample

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ACS Services LLC

BORING B-18

Client: Kimley-Horn | Date: 10/27/2025 | Project No. 2501632
Project: MGAA - Taxiway G Realignment | Type of Boring: 7.875 inch Hollow Stem Auger
Address: 6033 South Sossaman Road, Mesa, AZ | Field Engineer: Adrianne Roberts
Location: See Site Map

Depth (Feet)	Sample	Sample Type	Blows per 6"	Moisture %	Dry Density (PCF)	USCS Soil Class	Description of Subsurface Conditions
0–5	Bulk	B	4, 4, 4, 6, 6, 12, 21, 24	10.0		CL	Brown sandy CLAY some gravel, damp, firm to stiff, PI of 16
9–10.5	Split Spoon	S	24, 35, 28			SC	Brown clayey SAND, slightly damp, very dense, medium PI
10.5							Terminated auger at 9.0 ft, STP at 10.5 ft, Backfilled boring with auger cuttings

Depth scale: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

Groundwater Depth	Time	Date
N/A		

SAMPLE TYPE
B - Bulk Sample
S - 2" O.D. 1.38" I.D. Split Spoon Sample
U - 3" O.D. 2.42" I.D. Ring Sample

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ACS Services LLC

BORING B-19

Client: Kimley-Horn | Date: 10/27/2025 | Project No. 2501632
Project: MGAA - Taxiway G Realignment | Type of Boring: 7.875 inch Hollow Stem Auger
Address: 6033 South Sossaman Road, Mesa, AZ | Field Engineer: Adrianne Roberts
Location: See Site Map

Depth (Feet)	Sample	Sample Type	Blows per 6"	Moisture %	Dry Density (PCF)	USCS Soil Class	Description of Subsurface Conditions
0–5	Bulk	B	8, 15, 16, 16, 16, 18, 17, 19			SC	Brown clayey SAND, damp, medium dense, medium PI
9–10.5	Split Spoon	S	16, 17, 18			SC	Brown clayey SAND, slightly damp, dense, medium PI
10.5							Terminated auger at 9.0 ft, STP at 10.5 ft, Backfilled boring with auger cuttings

Depth scale: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

Groundwater Depth	Time	Date
N/A		

SAMPLE TYPE
B - Bulk Sample
S - 2" O.D. 1.38" I.D. Split Spoon Sample
U - 3" O.D. 2.42" I.D. Ring Sample

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ACS Services LLC

BORING B-20

Client: Kimley-Horn | Date: 10/29/2025 | Project No. 2501632
Project: MGAA - Taxiway G Realignment | Type of Boring: 7.875 inch Hollow Stem Auger
Address: 6033 South Sossaman Road, Mesa, AZ | Field Engineer: Adrianne Roberts
Location: See Site Map

Depth (Feet)	Sample	Sample Type	Blows per 6"	Moisture %	Dry Density (PCF)	USCS Soil Class	Description of Subsurface Conditions
0–1.5	Bulk	B	5				approximately 1.5 ft of AB fill material
1.5–5			11, 11, 6, 5, 6, 7, 9			SC	Brown clayey SAND, damp, medium dense, medium PI
9–10.5	Split Spoon	S	14, 21, 37			SC	Brown clayey SAND, slightly damp, dense, medium PI
10.5							Terminated auger at 9.0 ft, STP at 10.5 ft, Backfilled boring with auger cuttings

Depth scale: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

Groundwater Depth	Time	Date
N/A		

SAMPLE TYPE
B - Bulk Sample
S - 2" O.D. 1.38" I.D. Split Spoon Sample
U - 3" O.D. 2.42" I.D. Ring Sample

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ACS Services LLC

BORING B-21

Client: Kimley-Horn | Date: 10/29/2025 | Project No. 2501632
Project: MGAA - Taxiway G Realignment | Type of Boring: 7.875 inch Hollow Stem Auger
Address: 6033 South Sossaman Road, Mesa, AZ | Field Engineer: Adrianne Roberts
Location: See Site Map

Depth (Feet)	Sample	Sample Type	Blows per 6"	Moisture %	Dry Density (PCF)	USCS Soil Class	Description of Subsurface Conditions
0–5	Bulk	B	6, 11, 11, 15, 14, 14, 17, 18	5.2		SC	Brown gravelly clayey SAND, damp, medium dense, PI of 13
9–10.5	Split Spoon	S	17, 19, 15			SC	Brown clayey SAND, slightly damp, dense, medium PI
10.5							Terminated auger at 9.0 ft, STP at 10.5 ft, Backfilled boring with auger cuttings

Depth scale: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

Groundwater Depth	Time	Date
N/A		

SAMPLE TYPE
B - Bulk Sample
S - 2" O.D. 1.38" I.D. Split Spoon Sample
U - 3" O.D. 2.42" I.D. Ring Sample

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BORING B-22

Client: Kimley-Horn | Date: 10/29/2025 | Project No. 2501632
Project: MGAA - Taxiway G Realignment | Type of Boring: 7.875 inch Hollow Stem Auger
Address: 6033 South Sossaman Road, Mesa, AZ | Field Engineer: Adrianne Roberts
Location: See Site Map

Depth (Feet)	Sample	Sample Type	Blows per 6"	Moisture %	Dry Density (PCF)	USCS Soil Class	Description of Subsurface Conditions
0–5	Bulk	B	3, 4, 4, 5, 7, 13, 16, 23			CL	Brown sandy CLAY, damp, firm, medium PI
9–10.5	Split Spoon	S	40, 50/6			SC	Brown clayey SAND, slightly damp, very dense, medium PI
10.5							Terminated auger at 9.0 ft, STP at 10.5 ft, Backfilled boring with auger cuttings

Depth scale: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

Groundwater Depth	Time	Date
N/A		

SAMPLE TYPE
B - Bulk Sample
S - 2" O.D. 1.38" I.D. Split Spoon Sample
U - 3" O.D. 2.42" I.D. Ring Sample

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ACS Services LLC

BORING B-23

Client: Kimley-Horn | Date: 10/29/2025 | Project No. 2501632
Project: MGAA - Taxiway G Realignment | Type of Boring: 7.875 inch Hollow Stem Auger
Address: 6033 South Sossaman Road, Mesa, AZ | Field Engineer: Adrianne Roberts
Location: See Site Map

Depth (Feet)	Sample	Sample Type	Blows per 6"	Moisture %	Dry Density (PCF)	USCS Soil Class	Description of Subsurface Conditions
0–5	Bulk	B	7, 13, 13, 13, 16, 21, 33, 41			SC	Brown clayey SAND, damp, medium dense, medium PI
9–10.5	Split Spoon	S	18, 23, 20			SC	Brown clayey SAND, damp, dense, medium PI
10.5							Terminated auger at 9.0 ft, STP at 10.5 ft, Backfilled boring with auger cuttings

Depth scale: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

Groundwater Depth	Time	Date
N/A		

SAMPLE TYPE
B - Bulk Sample
S - 2" O.D. 1.38" I.D. Split Spoon Sample
U - 3" O.D. 2.42" I.D. Ring Sample

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ACS Services LLC

BORING B-24

Client: Kimley-Horn | Date: 10/29/2025 | Project No. 2501632
Project: MGAA - Taxiway G Realignment | Type of Boring: 7.875 inch Hollow Stem Auger
Address: 6033 South Sossaman Road, Mesa, AZ | Field Engineer: Adrianne Roberts
Location: See Site Map

Depth (Feet)	Sample	Sample Type	Blows per 6"	Moisture %	Dry Density (PCF)	USCS Soil Class	Description of Subsurface Conditions
0–5	Bulk	B	4, 4, 4, 9, 13, 16, 15, 18	9.2		CL	Brown gravelly sandy CLAY, damp, firm to stiff, PI of 24
9–10.5	Split Spoon	S	28, 22, 20			SC	Brown clayey SAND, slightly damp, dense, medium PI
10.5							Terminated auger at 9.0 ft, STP at 10.5 ft, Backfilled boring with auger cuttings

Depth scale: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

Groundwater Depth	Time	Date
N/A		

SAMPLE TYPE
B - Bulk Sample
S - 2" O.D. 1.38" I.D. Split Spoon Sample
U - 3" O.D. 2.42" I.D. Ring Sample

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In Maricopa County: (602) 263-1100

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NO.	REVISION	DATE	BY

FIRM'S NAME
Kimley-Horn
KIMLEY-HORN AND ASSOCIATES, INC.
2046 Riverview Auto Dr, SUITE 400
Mesa, Arizona 85210 (480) 207-2666

FIRM'S SEAL

SCALE
Horiz.
Vert.
Date 11/26/2025
Designed by JMM
Drawn by NCW
Checked by JMM
Approved by

Mesa Gateway Airport
MESA GATEWAY AIRPORT AUTHORITY
5835 SOUTH SOSSAMAN ROAD
MESA, ARIZONA 85212
(480) 988-7600
GATEWAYAIRPORT.COM

PROJECT NAME
MESA GATEWAY AIRPORT
TAXIWAY G REALIGNMENT
GEOTECHNICAL BORE HOLE DATA
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K:\eav_aviation\091134073 - taxiway g realignment\CADD\091134073 - GT.dwg Nov 26, 2025 Emma.Gatzke
XREFS: x091134054-BM x091134073 - HT-EX x091134073 - VF x091134073 - VS x091134073 - TB

ACS SERVICES LLC

BORING B-25

Client:	Kimley-Horn	**Date:** 10/29/2025	**Project No.** 2501632
Project:	MGAA - Taxiway G Realignment	**Type of Boring:**	7.875 inch Hollow Stem Auger
Address:	6033 South Sossaman Road	**Field Engineer:**	Adrianne Roberts
	Mesa, AZ	**Location:**	See Site Map

Depth (Feet)	Sample	Sample Type	Blows per 6"	Moisture %	Dry Density (PCF)	USCS Soil Class	Description of Subsurface Conditions
0–5	Bulk	B	4, 4, 2, 4, 5, 5, 6, 8			CL	Brown sandy CLAY, damp, firm to stiff, medium PI
9–10.5	Split Spoon	S	22, 38, 31			SC	Brown clayey SAND, slightly damp, very dense, medium PI
11							Terminated auger at 9.0 ft, STP at 10.5 ft, Backfilled boring with auger cuttings

Groundwater		
Depth	Time	Date
N/A		

SAMPLE TYPE
- B - Bulk Sample
- S - 2" O.D. 1.38" I.D. Split Spoon Sample
- U - 3" O.D. 2.42" I.D. Ring Sample

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ACS SERVICES LLC

BORING B-26

Client:	Kimley-Horn	**Date:** 10/29/2025	**Project No.** 2501632
Project:	MGAA - Taxiway G Realignment	**Type of Boring:**	7.875 inch Hollow Stem Auger
Address:	6033 South Sossaman Road	**Field Engineer:**	Adrianne Roberts
	Mesa, AZ	**Location:**	See Site Map

Depth (Feet)	Sample	Sample Type	Blows per 6"	Moisture %	Dry Density (PCF)	USCS Soil Class	Description of Subsurface Conditions
0–5	Bulk	B	16, 7, 5, 6, 8, 10, 15, 15			SC	Brown clayey SAND some gravel, damp, medium dense, medium PI
9–10.5	Split Spoon	S	21, 50/5			SC	Brown clayey SAND, damp, very dense, medium PI
11							Terminated auger at 9.0 ft, STP at 10.5 ft, Backfilled boring with auger cuttings

Groundwater		
Depth	Time	Date
N/A		

SAMPLE TYPE
- B - Bulk Sample
- S - 2" O.D. 1.38" I.D. Split Spoon Sample
- U - 3" O.D. 2.42" I.D. Ring Sample

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BORING B-27

Client:	Kimley-Horn	**Date:** 10/28/2025	**Project No.** 2501632
Project:	MGAA - Taxiway G Realignment	**Type of Boring:**	7.875 inch Hollow Stem Auger
Address:	6033 South Sossaman Road	**Field Engineer:**	Adrianne Roberts
	Mesa, AZ	**Location:**	See Site Map

Depth (Feet)	Sample	Sample Type	Blows per 6"	Moisture %	Dry Density (PCF)	USCS Soil Class	Description of Subsurface Conditions
0–5	Bulk	B	10, 14, 10, 11, 11, 14, 15, 14	6.3		CL	Brown sandy CLAY some gravel, damp, medium dense, PI of 15
9–10.5	Split Spoon	S	13, 22, 23			SC	Brown clayey SAND, damp, dense, medium PI
11							Terminated auger at 9.0 ft, STP at 10.5 ft, Backfilled boring with auger cuttings

Groundwater		
Depth	Time	Date
N/A		

SAMPLE TYPE
- B - Bulk Sample
- S - 2" O.D. 1.38" I.D. Split Spoon Sample
- U - 3" O.D. 2.42" I.D. Ring Sample

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ACS SERVICES LLC

BORING B-28

Client:	Kimley-Horn	**Date:** 10/28/2025	**Project No.** 2501632
Project:	MGAA - Taxiway G Realignment	**Type of Boring:**	7.875 inch Hollow Stem Auger
Address:	6033 South Sossaman Road	**Field Engineer:**	Adrianne Roberts
	Mesa, AZ	**Location:**	See Site Map

Depth (Feet)	Sample	Sample Type	Blows per 6"	Moisture %	Dry Density (PCF)	USCS Soil Class	Description of Subsurface Conditions
0–5	Bulk	B	4, 9, 8, 7, 9, 12, 25, 21			SC	Brown clayey SAND trace gravel, slightly damp, medium dense, medium PI
9–10.5	Split Spoon	S	15, 29, 33			SC	Brown clayey SAND, slighlty damp, very dense, medium PI
11							Terminated auger at 9.0 ft, STP at 10.5 ft, Backfilled boring with auger cuttings

Groundwater		
Depth	Time	Date
N/A		

SAMPLE TYPE
- B - Bulk Sample
- S - 2" O.D. 1.38" I.D. Split Spoon Sample
- U - 3" O.D. 2.42" I.D. Ring Sample

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NOTE: THIS INFORMATION IS PROVIDED FOR THE BIDDER'S CONVENIENCE AND IS NOT PART OF THE CONTRACT DOCUMENTS. ALL BIDDERS ARE FULLY RESPONSIBLE FOR PERFORMING THEIR OWN INVESTIGATIONS AND DETERMINING SUBSURFACE CONDITIONS AS DESCRIBED IN THE SPECIAL PROVISIONS OF THE CONTRACT

REFERENCE GEOTECHNICAL REPORT FOR BORING HOLE MAPS.

Call at least two full working days before you begin excavation.
ARIZONA 811
Arizona Blue Stake, Inc.
Dial 8-1-1 or 1-800-STAKE-IT (782-5348)
In Maricopa County: (602) 263-1100

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NO.	REVISION	BY	DATE

FIRM'S NAME
Kimley»Horn
KIMLEY-HORN AND ASSOCIATES, INC.
2046 Riverview Auto Dr, SUITE 400
Mesa, Arizona 85210 (480) 207-2666

FIRM'S SEAL

SCALE
Horiz. ____
Vert. ____
Date 11/26/2025
Designed by JMM
Drawn by NCW
Checked by JMM
Approved by ____

Mesa Gateway Airport
MESA GATEWAY AIRPORT AUTHORITY
5835 SOUTH SOSSAMAN ROAD
MESA, ARIZONA 85212
(480) 988-7600
GATEWAYAIRPORT.COM

PROJECT NAME
MESA GATEWAY AIRPORT
TAXIWAY G REALIGNMENT
GEOTECHNICAL BORE HOLE DATA
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