



**APPENDIX K
SYSTEM ALTERNATIVE IV DRAINAGE PLANS**

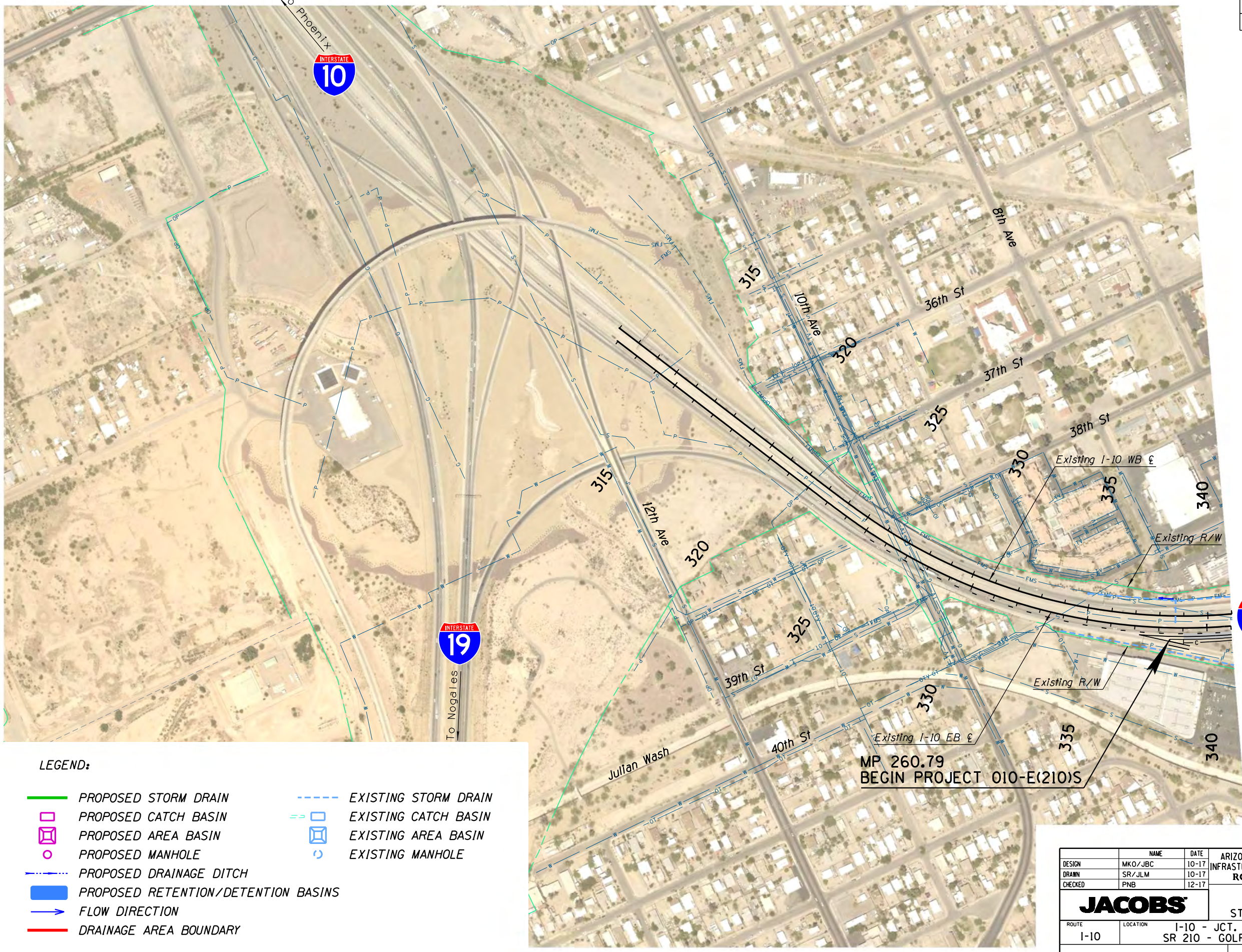
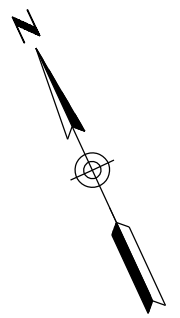


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SURVEY NO. FINISHED PLANS DATE REVISIONS LOCATION DATE SURVEY NO. FINISHED PLANS DATE REVISIONS LOCATION DATE SURVEY NO. FINISHED PLANS DATE

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.	010-E(210)S	1	16	

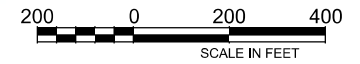
010 PM 260



LEGEND:

- PROPOSED STORM DRAIN
- PROPOSED CATCH BASIN
- PROPOSED AREA BASIN
- PROPOSED MANHOLE
- - - PROPOSED DRAINAGE DITCH
- PROPOSED RETENTION/DETENTION BASINS
- FLOW DIRECTION
- DRAINAGE AREA BOUNDARY
- EXISTING STORM DRAIN
- EXISTING CATCH BASIN
- EXISTING AREA BASIN
- EXISTING MANHOLE

SCALE: Hor: 1"=400'

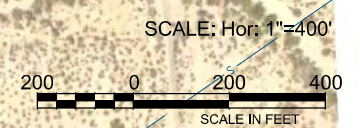
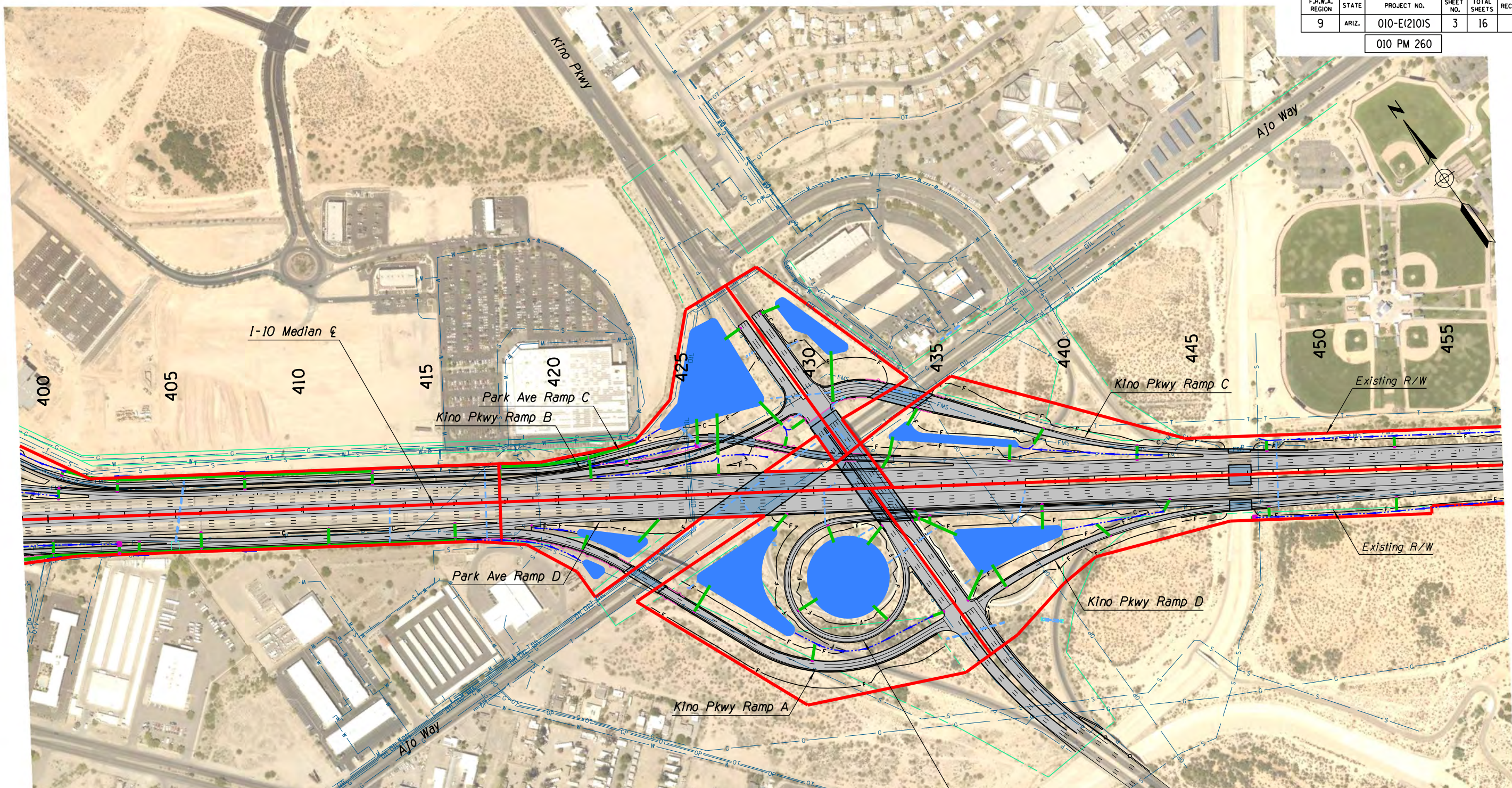


APPENDIX K

DESIGN		NAME	DATE	ARIZONA DEPARTMENT OF TRANSPORTATION INFRASTRUCTURE DELIVERY & OPERATIONS DIVISION		PRELIMINARY NOT FOR CONSTRUCTION OR RECORDING
DRAWN		MKO/JBC	10-17	ROADWAY DESIGN SERVICES		
CHECKED		SR/JLM	10-17			
		PNB	12-17	DRAINAGE SHEET I-10 SYSTEM ALT IV STA 314+00 TO STA 341+00		
ROUTE		LOCATION		SHEET DR-01		
I-10		I-10 - JCT. I-19 TO KOLB ROAD SR 210 - GOLF LINKS ROAD TO I-10				
TRACS NO. H7825 OIL		010-E(210)S		OF		

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.	010-E(210)S	3	16	

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LEGEND:

	PROPOSED STORM DRAIN		EXISTING STORM DRAIN
	PROPOSED CATCH BASIN		EXISTING CATCH BASIN
	PROPOSED AREA BASIN		EXISTING AREA BASIN
	PROPOSED MANHOLE		EXISTING MANHOLE
	PROPOSED DRAINAGE DITCH		
	PROPOSED RETENTION/DETENTION BASINS		
	FLOW DIRECTION		
	DRAINAGE AREA BOUNDARY		

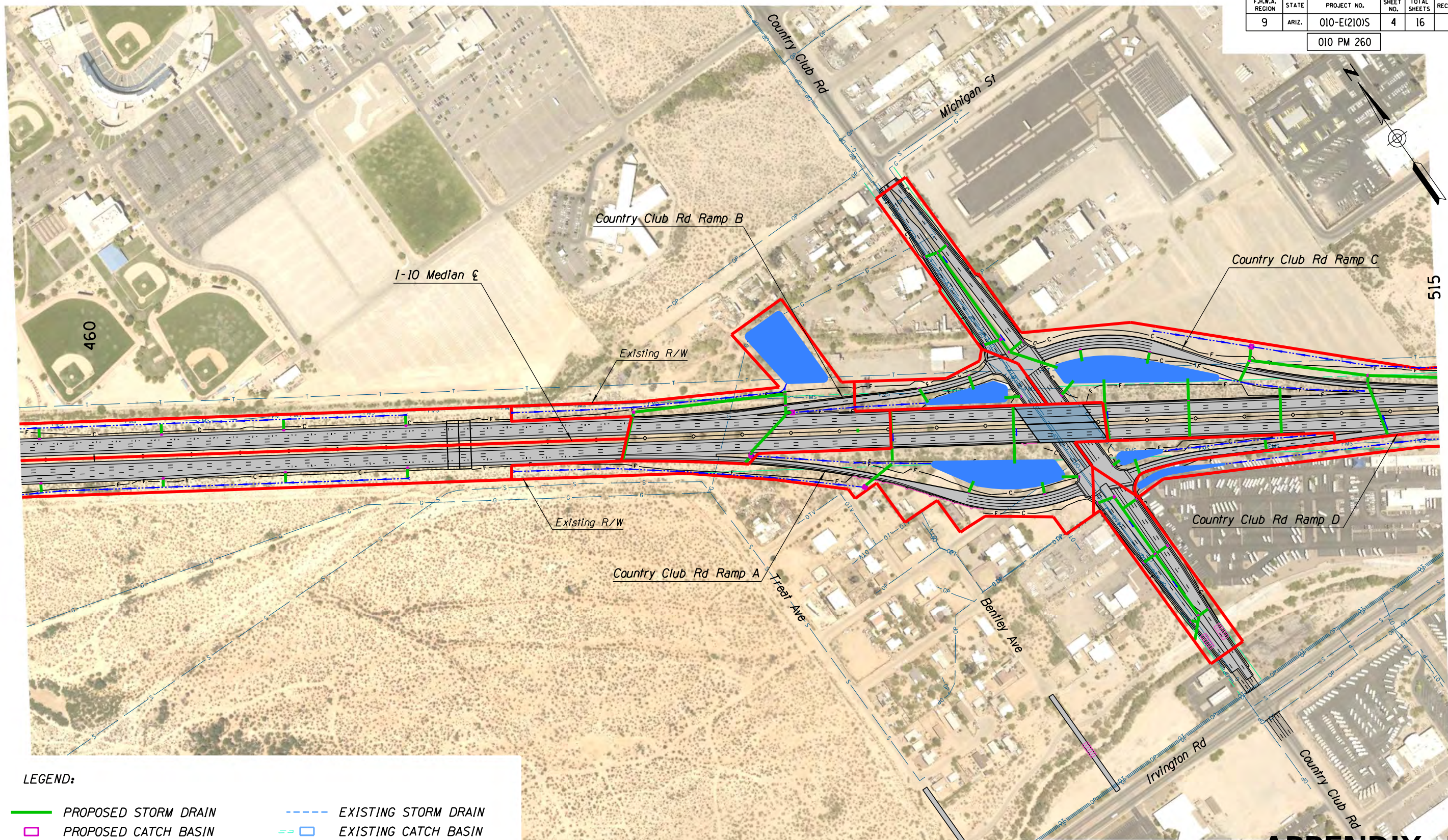
APPENDIX K

DESIGN	MKO/JBC	DATE	10-17	ARIZONA DEPARTMENT OF TRANSPORTATION INFRASTRUCTURE DELIVERY & OPERATIONS DIVISION ROADWAY DESIGN SERVICES	PRELIMINARY NOT FOR CONSTRUCTION OR RECORDING
DRAWN	SR/JLM	DATE	10-17		
CHECKED	PNB	DATE	12-17		
JACOBS		DRAINAGE SHEET I-10 SYSTEM ALT IV STA 399+00 TO STA 457+00			
ROUTE	I-10	LOCATION	I-10 - JCT. I-19 TO KOLB ROAD SR 210 - GOLF LINKS ROAD TO I-10	SHEET DR-03	
TRACS NO.	H7825 OIL		010-E(210)S	OF	

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F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.	010-E(210)S	4	16	

010 PM 260

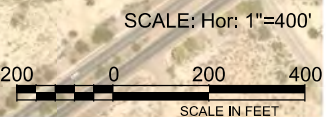


LEGEND:

- PROPOSED STORM DRAIN
 - PROPOSED CATCH BASIN
 - PROPOSED AREA BASIN
 - PROPOSED MANHOLE
 - PROPOSED DRAINAGE DITCH
 - PROPOSED RETENTION/DETENTION BASINS
 - FLOW DIRECTION
 - DRAINAGE AREA BOUNDARY
- EXISTING STORM DRAIN
 - EXISTING CATCH BASIN
 - EXISTING AREA BASIN
 - EXISTING MANHOLE

APPENDIX K

DESIGN	MKO/JBC	10-17	ARIZONA DEPARTMENT OF TRANSPORTATION INFRASTRUCTURE DELIVERY & OPERATIONS DIVISION ROADWAY DESIGN SERVICES	PRELIMINARY NOT FOR CONSTRUCTION OR RECORDING
DRAWN	SR/JLM	10-17		
CHECKED	PNB	12-17		
JACOBS			DRAINAGE SHEET I-10 SYSTEM ALT IV STA 457+00 TO STA 515+00	
ROUTE	I-10	LOCATION	I-10 - JCT. I-19 TO KOLB ROAD SR 210 - GOLF LINKS ROAD TO I-10	SHEET DR-04
TRACS NO.	H7825 OIL		010-E(210)S	OF

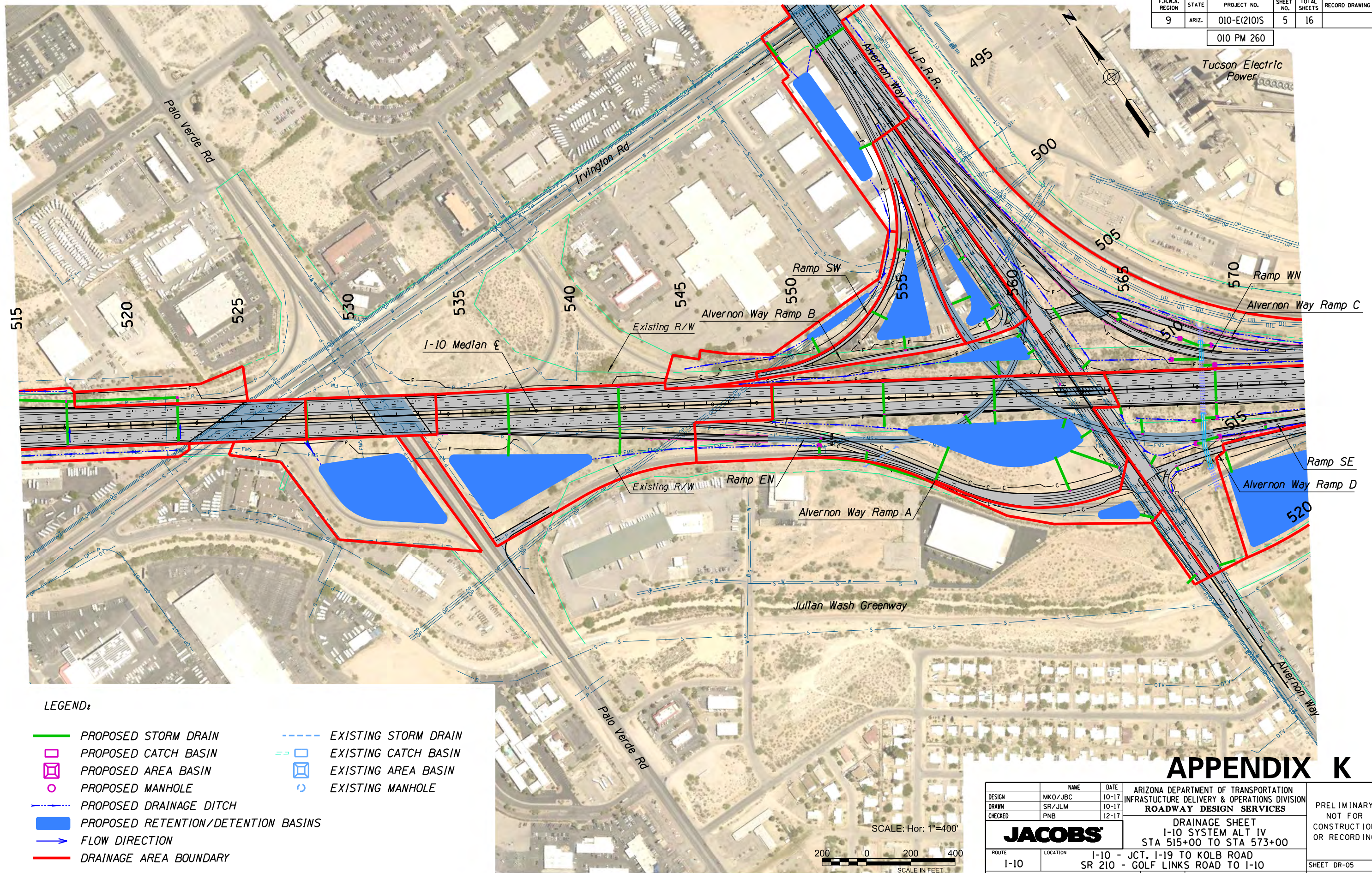


DATE: LOCATION: REVISIONS: FINISHED PLANS: SURVEY NO. DATE: LOCATION: REVISIONS: FINISHED PLANS: SURVEY NO.

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.	010-E(210)S	5	16	

010 PM 260

Tucson Electric Power



LEGEND:

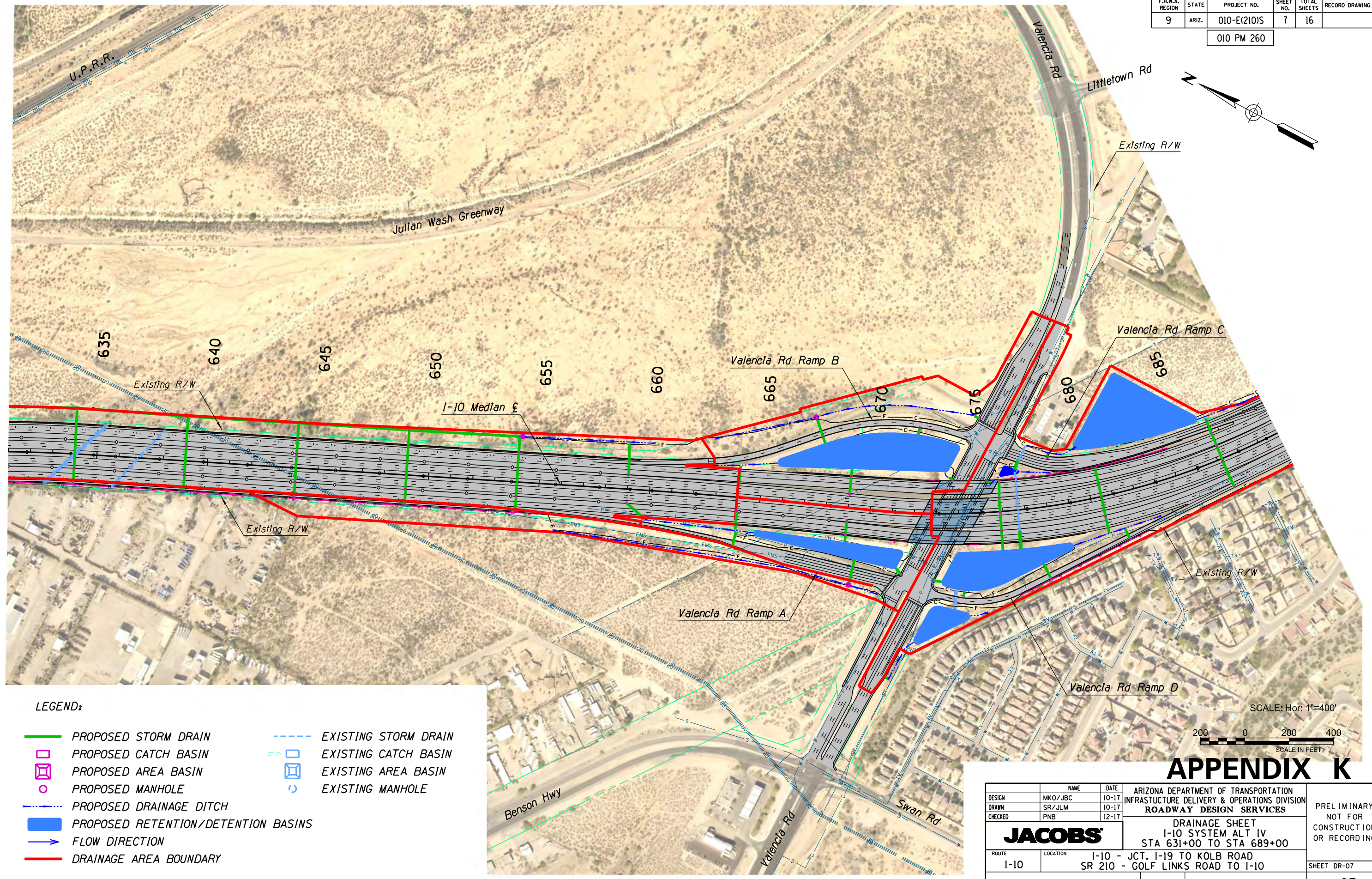
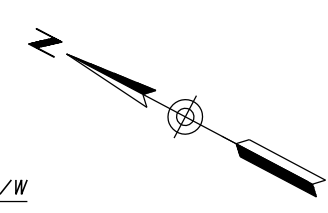
- PROPOSED STORM DRAIN
- PROPOSED CATCH BASIN
- PROPOSED AREA BASIN
- PROPOSED MANHOLE
- PROPOSED DRAINAGE DITCH
- PROPOSED RETENTION/DETENTION BASINS
- FLOW DIRECTION
- DRAINAGE AREA BOUNDARY
- EXISTING STORM DRAIN
- EXISTING CATCH BASIN
- EXISTING AREA BASIN
- EXISTING MANHOLE

APPENDIX K

DESIGN	MKO/JBC	10-17	ARIZONA DEPARTMENT OF TRANSPORTATION INFRASTRUCTURE DELIVERY & OPERATIONS DIVISION ROADWAY DESIGN SERVICES	PRELIMINARY NOT FOR CONSTRUCTION OR RECORDING
DRAWN	SR/JLM	10-17		
CHECKED	PNB	12-17		
JACOBS			DRAINAGE SHEET I-10 SYSTEM ALT IV STA 515+00 TO STA 573+00	
ROUTE	I-10	LOCATION	I-10 - JCT. I-19 TO KOLB ROAD SR 210 - GOLF LINKS ROAD TO I-10	SHEET DR-05
TRACS NO.	H7825 OIL		010-E(210)S	OF

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.	010-E(210)S	7	16	

010 PM 260



LEGEND:

	PROPOSED STORM DRAIN		EXISTING STORM DRAIN
	PROPOSED CATCH BASIN		EXISTING CATCH BASIN
	PROPOSED AREA BASIN		EXISTING AREA BASIN
	PROPOSED MANHOLE		EXISTING MANHOLE
	PROPOSED DRAINAGE DITCH		
	PROPOSED RETENTION/DETENTION BASINS		
	FLOW DIRECTION		
	DRAINAGE AREA BOUNDARY		

SCALE: Hor: 1"=400'
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 SCALE IN FEET

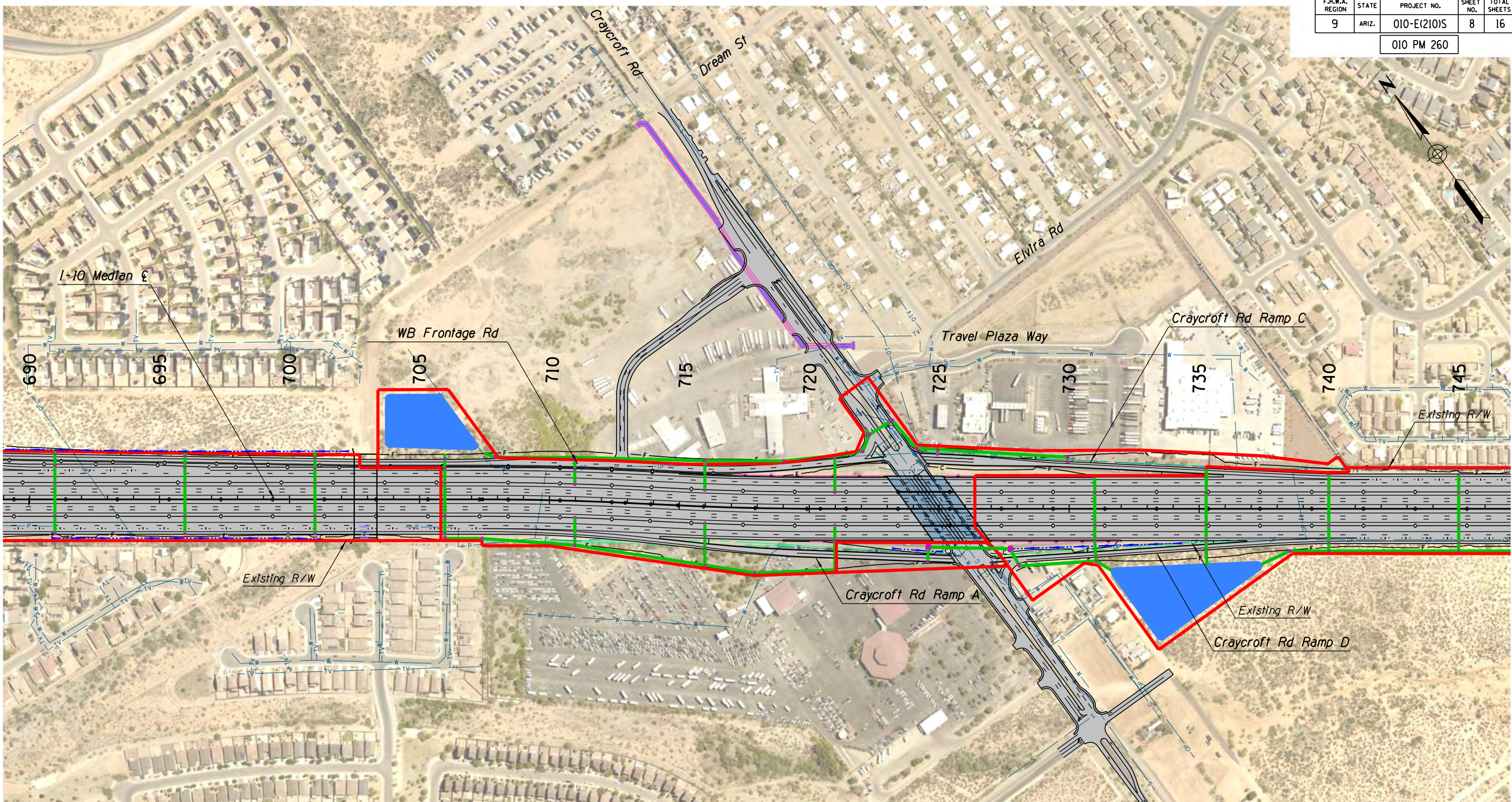
APPENDIX K

DESIGN	NAME	DATE	ARIZONA DEPARTMENT OF TRANSPORTATION INFRASTRUCTURE DELIVERY & OPERATIONS DIVISION ROADWAY DESIGN SERVICES	PRELIMINARY NOT FOR CONSTRUCTION OR RECORDING
DR	MKO/JBC	10-17		
DN	SR/JLM	10-17		
CHK	PNB	12-17	JACOBS	DRAINAGE SHEET I-10 SYSTEM ALT IV STA 631+00 TO STA 689+00
ROUTE	LOCATION	I-10 - JCT. I-19 TO KOLB ROAD		SHEET DR-07
I-10	SR 210 - GOLF LINKS ROAD TO I-10			
TRACS NO. H7825 OIL		010-E(210)S		OF

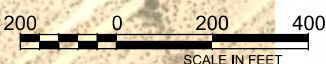
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F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.	010-E(210)S	8	16	

010 PM 260



SCALE: Hor: 1"=400'



LEGEND:

	PROPOSED STORM DRAIN		EXISTING STORM DRAIN
	PROPOSED CATCH BASIN		EXISTING CATCH BASIN
	PROPOSED AREA BASIN		EXISTING AREA BASIN
	PROPOSED MANHOLE		EXISTING MANHOLE
	PROPOSED DRAINAGE DITCH		
	PROPOSED RETENTION/DETENTION BASINS		
	FLOW DIRECTION		
	DRAINAGE AREA BOUNDARY		

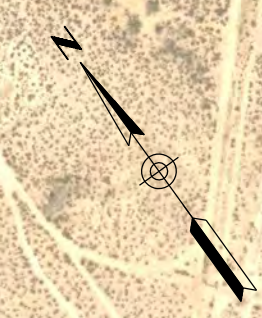
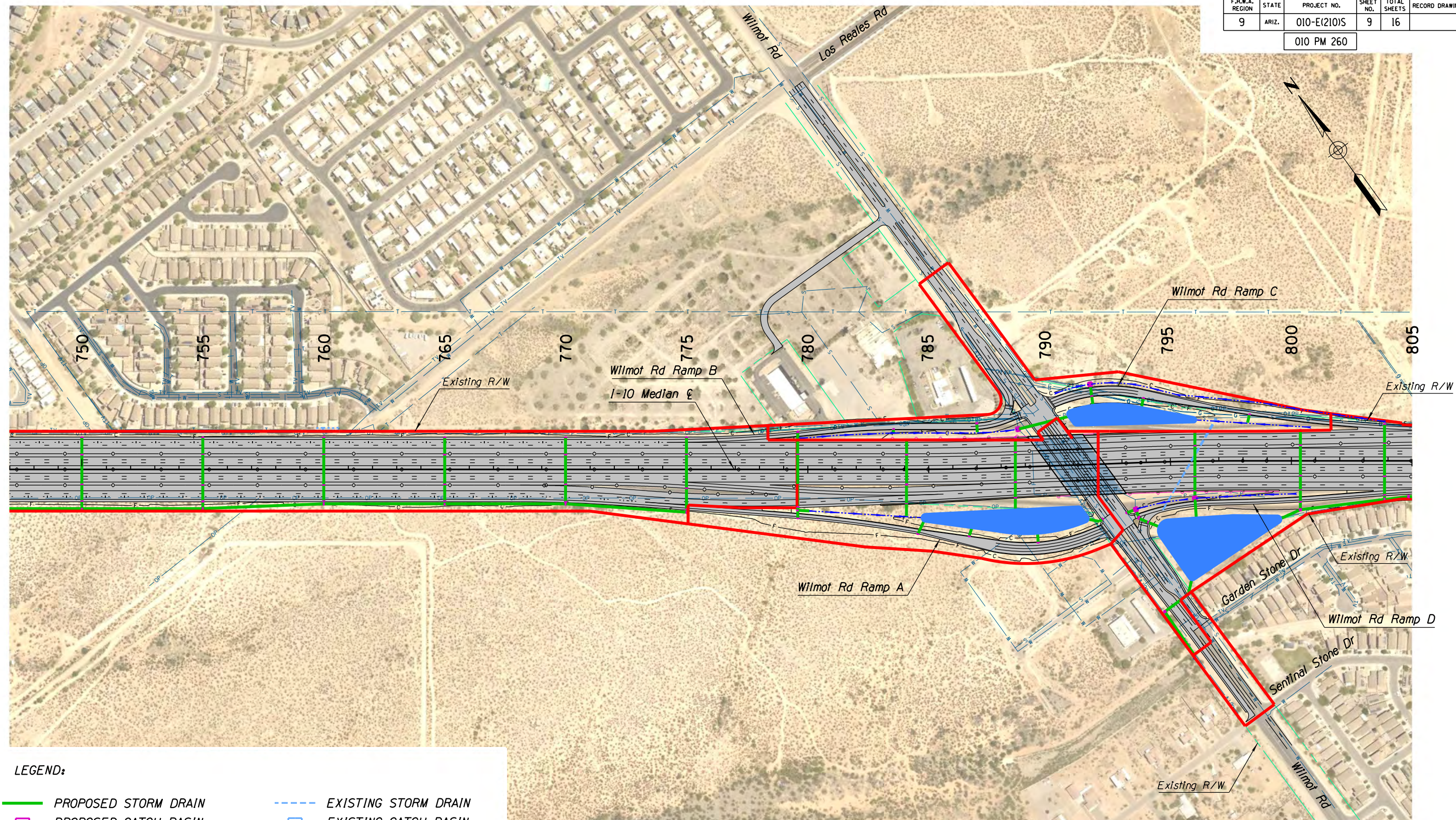
APPENDIX K

DESIGN	MKO/JBC	DATE	10-17	ARIZONA DEPARTMENT OF TRANSPORTATION INFRASTRUCTURE DELIVERY & OPERATIONS DIVISION ROADWAY DESIGN SERVICES	PRELIMINARY NOT FOR CONSTRUCTION OR RECORDING
DRAWN	SR/JLM	DATE	10-17		
CHECKED	PNB	DATE	12-17		
JACOBS		DRAINAGE SHEET I-10 SYSTEM ALT IV STA 689+00 TO STA 747+00			
ROUTE	I-10	LOCATION	I-10 - JCT. I-19 TO KOLB ROAD SR 210 - GOLF LINKS ROAD TO I-10	SHEET DR-08	
TRACS NO.	H7825 OIL	010-E(210)S		OF	

SURVEY NO. FINISHED PLANS DATE REVISIONS LOCATION DATE FINISHED PLANS SURVEY NO.

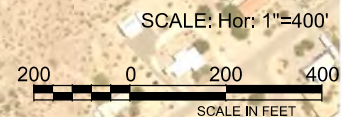
F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.	010-E(210)S	9	16	

010 PM 260



LEGEND:

	PROPOSED STORM DRAIN		EXISTING STORM DRAIN
	PROPOSED CATCH BASIN		EXISTING CATCH BASIN
	PROPOSED AREA BASIN		EXISTING AREA BASIN
	PROPOSED MANHOLE		EXISTING MANHOLE
	PROPOSED DRAINAGE DITCH		
	PROPOSED RETENTION/DETENTION BASINS		
	FLOW DIRECTION		
	DRAINAGE AREA BOUNDARY		



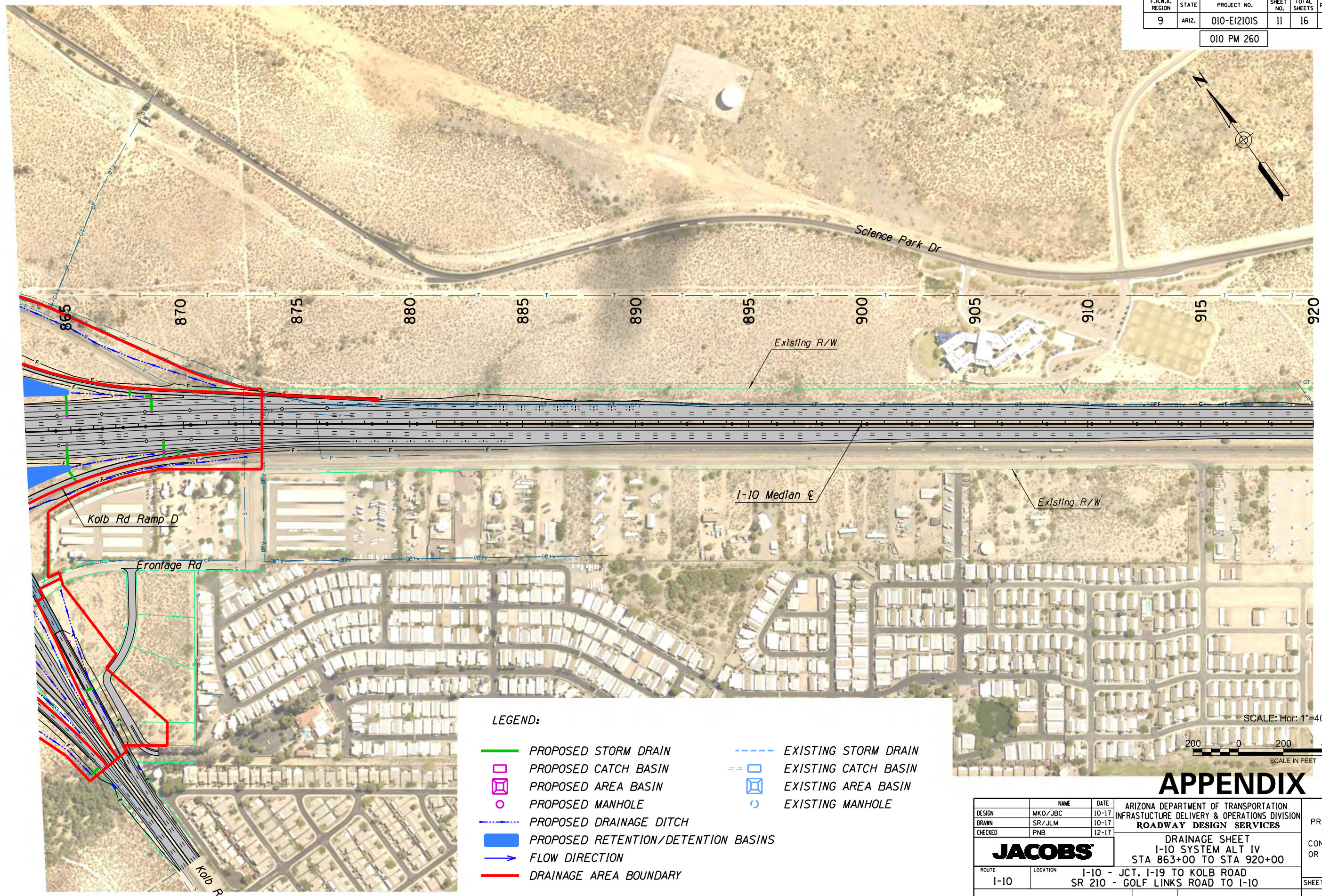
APPENDIX K

DESIGN	MKO/JBC	DATE	10-17	ARIZONA DEPARTMENT OF TRANSPORTATION INFRASTRUCTURE DELIVERY & OPERATIONS DIVISION ROADWAY DESIGN SERVICES	PRELIMINARY NOT FOR CONSTRUCTION OR RECORDING
DRAWN	SR/JLM	DATE	10-17		
CHECKED	PNB	DATE	12-17		
JACOBS		DRAINAGE SHEET I-10 SYSTEM ALT IV STA 747+00 TO STA 805+00			
ROUTE	I-10	LOCATION	I-10 - JCT. I-19 TO KOLB ROAD SR 210 - GOLF LINKS ROAD TO I-10	SHEET DR-09	
TRACS NO.	H7825 OIL	010-E(210)S		OF	

SURVEY NO. FINISHED PLANS. REVISIONS. LOCATION. DATE. FINISHED PLANS. SURVEY NO. FINISHED PLANS. REVISIONS. LOCATION. DATE. FINISHED PLANS. SURVEY NO. FINISHED PLANS. REVISIONS. LOCATION. DATE.

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.	010-E(210)S	11	16	

010 PM 260



LEGEND:

- | | | | |
|--|-------------------------------------|--|----------------------|
| | PROPOSED STORM DRAIN | | EXISTING STORM DRAIN |
| | PROPOSED CATCH BASIN | | EXISTING CATCH BASIN |
| | PROPOSED AREA BASIN | | EXISTING AREA BASIN |
| | PROPOSED MANHOLE | | EXISTING MANHOLE |
| | PROPOSED DRAINAGE DITCH | | |
| | PROPOSED RETENTION/DETENTION BASINS | | |
| | FLOW DIRECTION | | |
| | DRAINAGE AREA BOUNDARY | | |

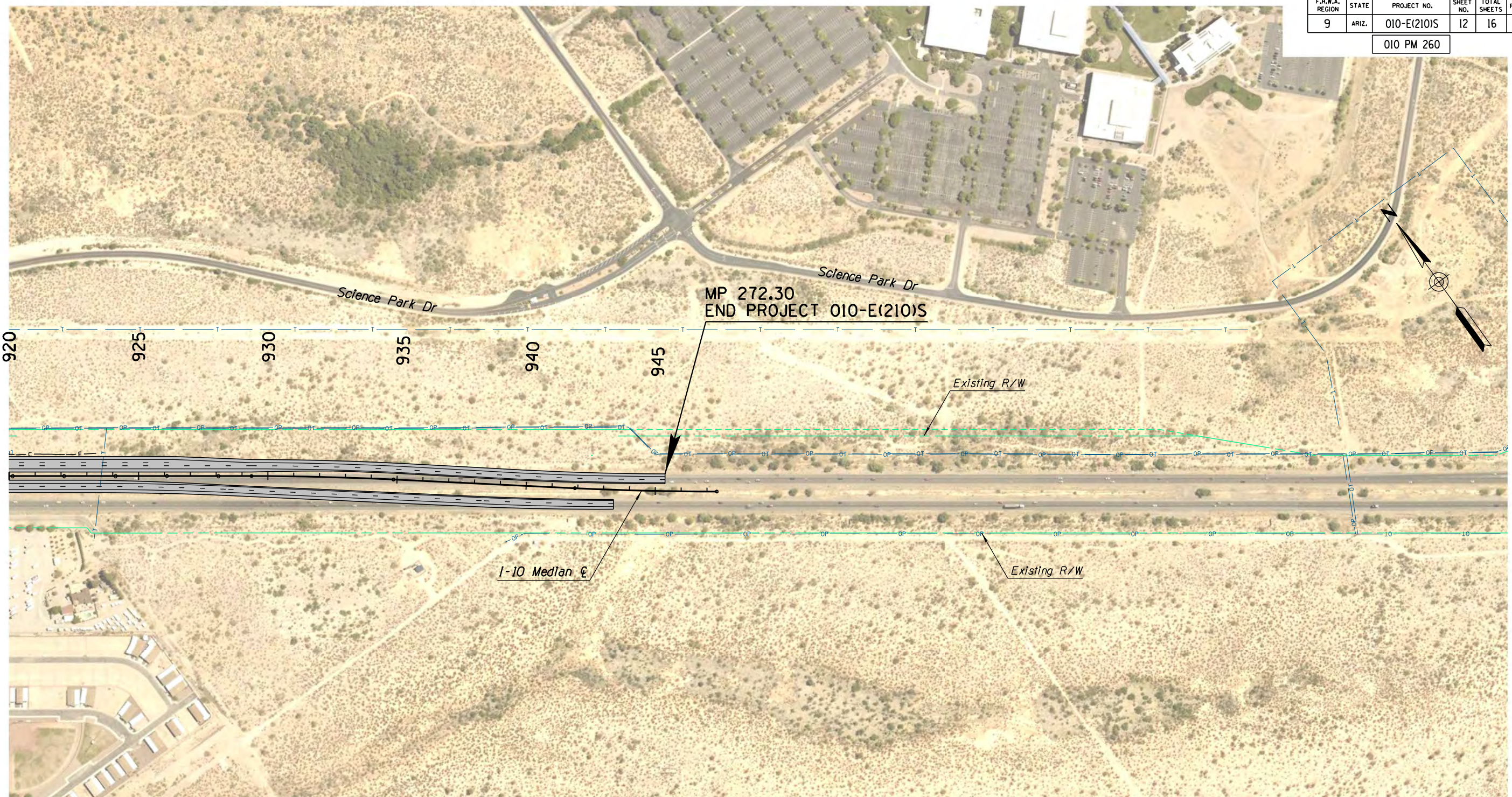
APPENDIX K

DESIGN	MKO/JBC	10-17	ARIZONA DEPARTMENT OF TRANSPORTATION INFRASTRUCTURE DELIVERY & OPERATIONS DIVISION ROADWAY DESIGN SERVICES	PRELIMINARY NOT FOR CONSTRUCTION OR RECORDING
DRAWN	SR/JLM	10-17		
CHECKED	PNB	12-17		
JACOBS			DRAINAGE SHEET I-10 SYSTEM ALT IV STA 863+00 TO STA 920+00	
ROUTE	LOCATION	I-10 - JCT. I-19 TO KOLB ROAD SR 210 - GOLF LINKS ROAD TO I-10		SHEET DR-11
TRACS NO.	H7825 OIL	010-E(210)S		OF

SURVEY NO. FINISHED PLANS DATE LOCATION REVISIONS DATE FINISHED PLANS SURVEY NO. FINISHED PLANS DATE LOCATION REVISIONS DATE

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
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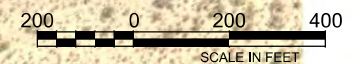
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LEGEND:

	PROPOSED STORM DRAIN		EXISTING STORM DRAIN
	PROPOSED CATCH BASIN		EXISTING CATCH BASIN
	PROPOSED AREA BASIN		EXISTING AREA BASIN
	PROPOSED MANHOLE		EXISTING MANHOLE
	PROPOSED DRAINAGE DITCH		
	PROPOSED RETENTION/DETENTION BASINS		
	FLOW DIRECTION		
	DRAINAGE AREA BOUNDARY		

SCALE: Hor: 1"=400'



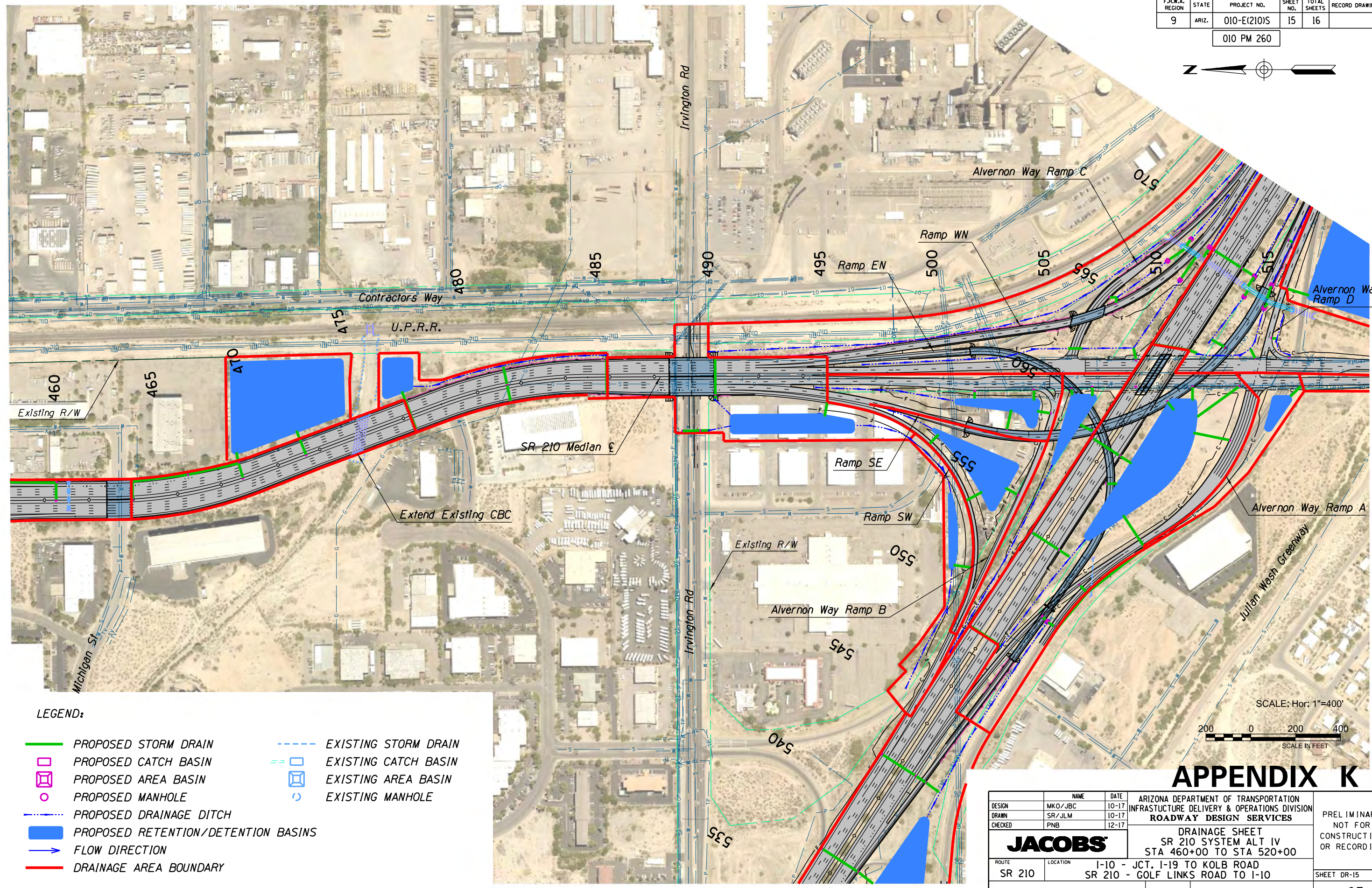
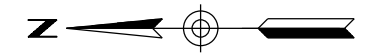
APPENDIX K

DESIGN	MKO/JBC	10-17	ARIZONA DEPARTMENT OF TRANSPORTATION INFRASTRUCTURE DELIVERY & OPERATIONS DIVISION ROADWAY DESIGN SERVICES	PRELIMINARY NOT FOR CONSTRUCTION OR RECORDING
DRAWN	SR/JLM	10-17		
CHECKED	PNB	12-17		
JACOBS			DRAINAGE SHEET I-10 SYSTEM ALT IV STA 920+00 TO STA 978+00	
ROUTE	LOCATION	I-10 - JCT. I-19 TO KOLB ROAD SR 210 - GOLF LINKS ROAD TO I-10		SHEET DR-12
TRACS NO. H7825 01L		010-E(210)S		OF

SURVEY NO. FINISHED PLANS DATE REVISIONS LOCATION DATE FINISHED PLANS SURVEY NO.

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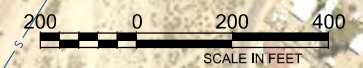
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LEGEND:

- | | | | |
|--|-------------------------------------|--|----------------------|
| | PROPOSED STORM DRAIN | | EXISTING STORM DRAIN |
| | PROPOSED CATCH BASIN | | EXISTING CATCH BASIN |
| | PROPOSED AREA BASIN | | EXISTING AREA BASIN |
| | PROPOSED MANHOLE | | EXISTING MANHOLE |
| | PROPOSED DRAINAGE DITCH | | |
| | PROPOSED RETENTION/DETENTION BASINS | | |
| | FLOW DIRECTION | | |
| | DRAINAGE AREA BOUNDARY | | |

SCALE: Hor: 1"=400'



APPENDIX K

DESIGN	NAME	DATE	ARIZONA DEPARTMENT OF TRANSPORTATION INFRASTRUCTURE DELIVERY & OPERATIONS DIVISION ROADWAY DESIGN SERVICES	PRELIMINARY NOT FOR CONSTRUCTION OR RECORDING
DRWN	MKO/JBC	10-17		
CHKD	SR/JLM	10-17		
	PNB	12-17	JACOBS	
ROUTE		LOCATION		
SR 210		I-10 - JCT. I-19 TO KOLB ROAD SR 210 - GOLF LINKS ROAD TO I-10		SHEET DR-15
TRACS NO. H7825 OIL		010-E(210)S		OF

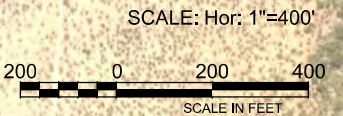
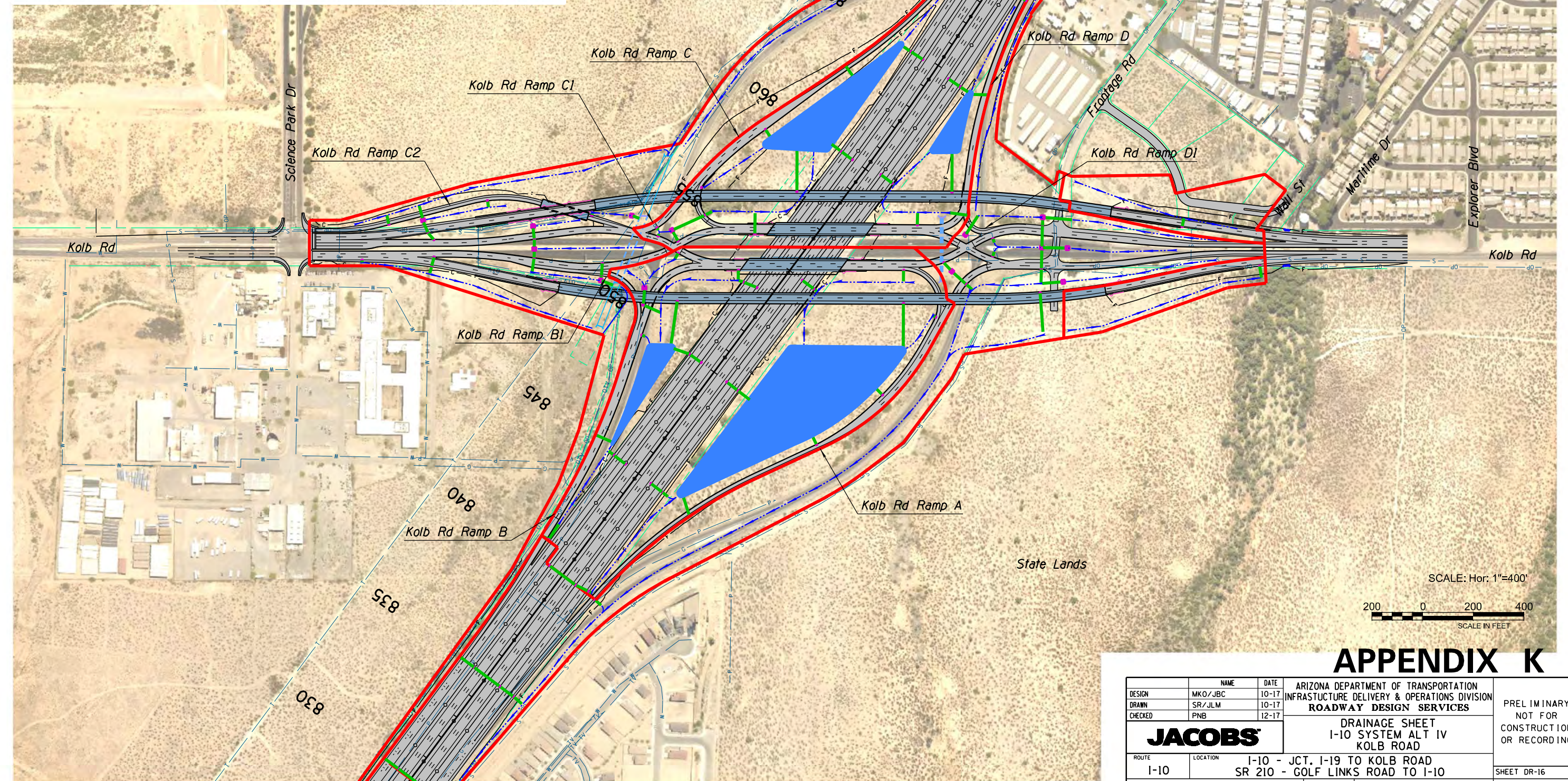
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F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.	010-E(210)S	16	16	

010 PM 260

LEGEND:

- PROPOSED STORM DRAIN
- - - EXISTING STORM DRAIN
- PROPOSED CATCH BASIN
- EXISTING CATCH BASIN
- PROPOSED AREA BASIN
- EXISTING AREA BASIN
- PROPOSED MANHOLE
- EXISTING MANHOLE
- - - PROPOSED DRAINAGE DITCH
- PROPOSED RETENTION/DETENTION BASINS
- FLOW DIRECTION
- DRAINAGE AREA BOUNDARY



APPENDIX K

DESIGN	MKO/JBC	10-17	ARIZONA DEPARTMENT OF TRANSPORTATION INFRASTRUCTURE DELIVERY & OPERATIONS DIVISION ROADWAY DESIGN SERVICES	PRELIMINARY NOT FOR CONSTRUCTION OR RECORDING
DRAWN	SR/JLM	10-17		
CHECKED	PNB	12-17		
JACOBS			DRAINAGE SHEET I-10 SYSTEM ALT IV KOLB ROAD	
ROUTE	I-10	LOCATION	I-10 - JCT. I-19 TO KOLB ROAD SR 210 - GOLF LINKS ROAD TO I-10	SHEET DR-16
TRACS NO.	H7825 OIL		010-E(210)S	OF

SURVEY NO. DATE FINISHED PLANS REVISIONS LOCATION DATE FINISHED PLANS REVISIONS LOCATION DATE FINISHED PLANS