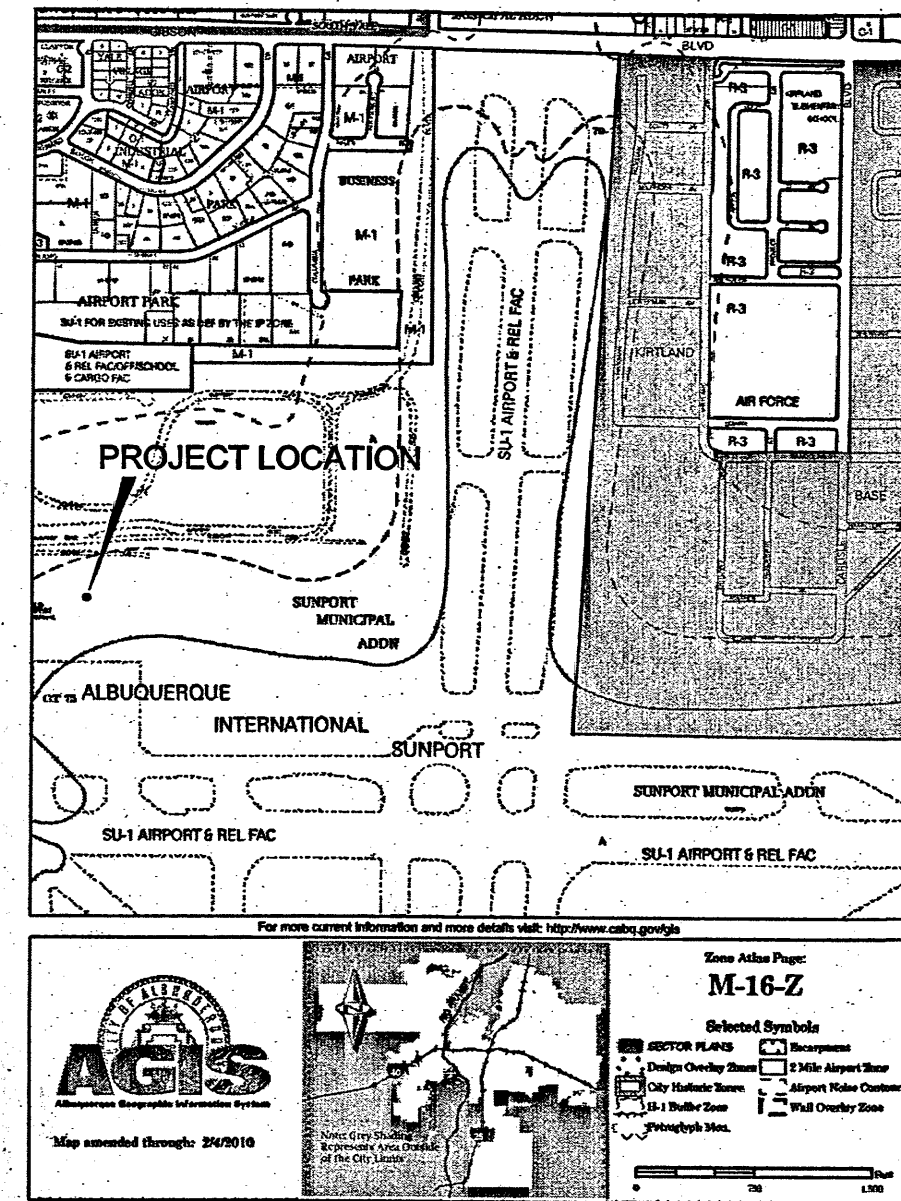
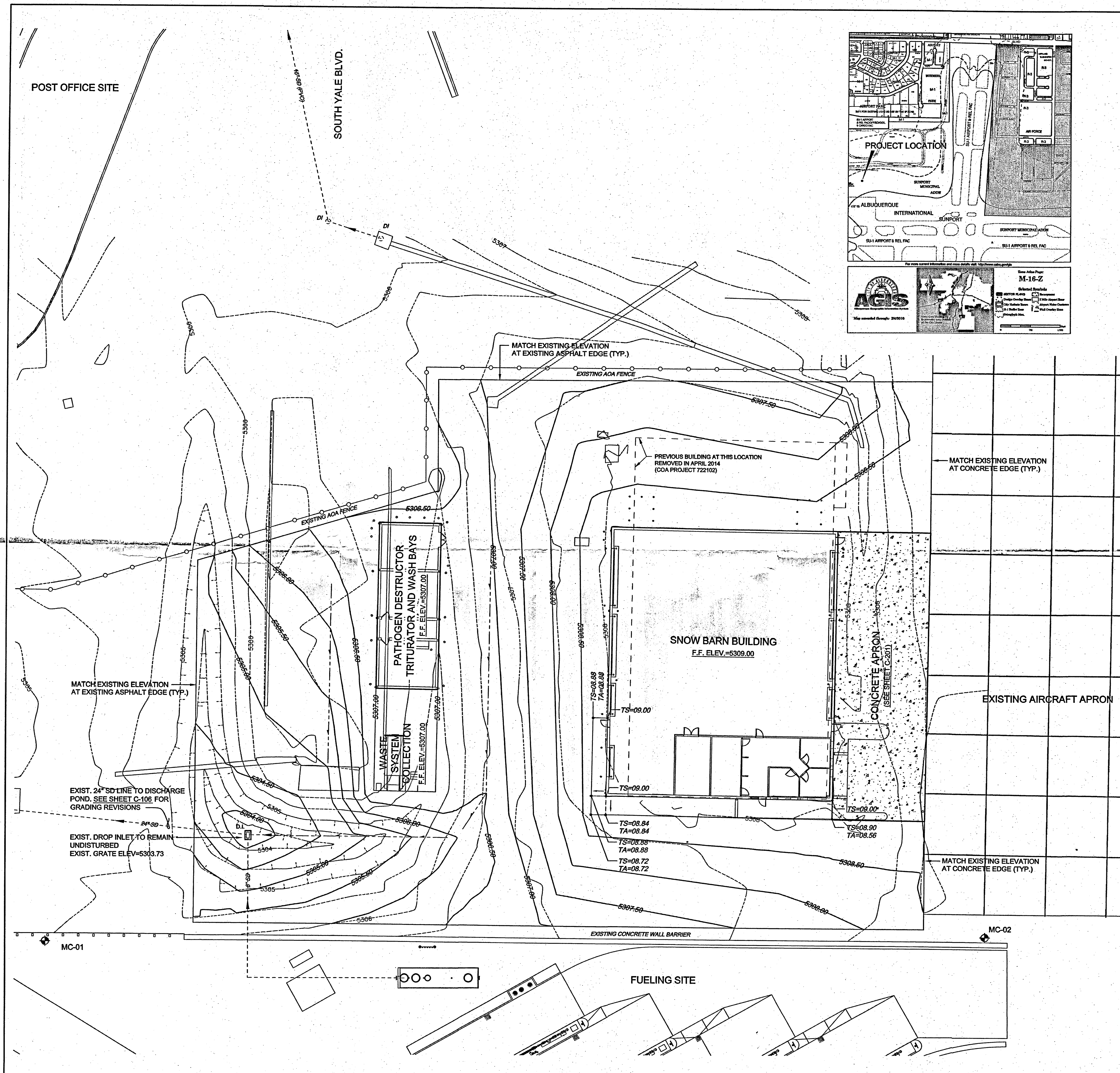




LEGEND	
	EXISTING GRADE TOPOGRAPHY CONTOUR (0.5' CONTOUR INTERVAL)
	FINISH GRADE TOPOGRAPHY CONTOUR (0.5' CONTOUR INTERVAL)
	SWALE FLOW DIRECTION
	FINISH GRADE SPOT ELEVATION (ELEVATION TRUNCATED)
TS	TOP OF SIDEWALK (NEW)
TA	TOP OF ASPHALT (NEW)
FL	FLOWLINE (NEW)

DRAINAGE ANALYSIS

PURPOSE AND SITE LOCATION

The Albuquerque International Sunport Snow Barn Complex (10,212 SF) will be located on the west side of the Sunport property and within the secured area. No part of this location is within a flood plain, as determined by FEMA Flood Plain Map (Map #35001C0361G).

A building existed in this location, but was demolished Fall, 2014. The Snow Barn Complex will be roughly the same size as the previous building's footprint. The affected site was previously used in similar use with paving and building covering the entire site (100% impervious). This analysis shows the existing vs. proposed drainage conditions for this site.

CRITERIA

The proposed grading and drainage for the development of this site are based on the criteria in the City of Albuquerque Development Process Manual, Chapter 22. Flow calculations are based on the 100 yr, 6 hr design storm. The Storm Drainage Master Plan (May, 1995) and the Final Drainage Report for Sunport Blvd (March, 1996) were also referenced.

EXISTING CONDITIONS

The project site (1.43 acres) is within Basin 401, as described in the Drainage Master Plan. There is a standard drop inlet with 24" storm drain outfall that collects the runoff, routes it through Basin 401 by an underground storm drain system, and daylight in the open channel to the immediate south of the Basin. The entire site is impervious and is classified as Land Treatment D, according to the COA DPM.

PROPOSED CONDITIONS

The land treatment for the project location will remain entirely impervious after construction. The runoff will continue to follow the existing conditions pattern. The runoff will discharge to the open channel, as does the existing discharge, and outfalls into the pond west of University Blvd and south of Sunport Blvd. The COA requires that the first flush be managed before exiting the property. To manage the first flush, the outfall pond will be expanded to accommodate the volume and flow. The first flush will require the pond to be expanded by 0.053 acre-ft; however, the plan will call to excavate a foot from the bottom of the pond, expanding the pond capacity by approximately 0.47 acre-ft. This will allow the first flush of this project to be managed, as well as possible future projects. Below are tables with the flows and volumes of the runoff for the site.

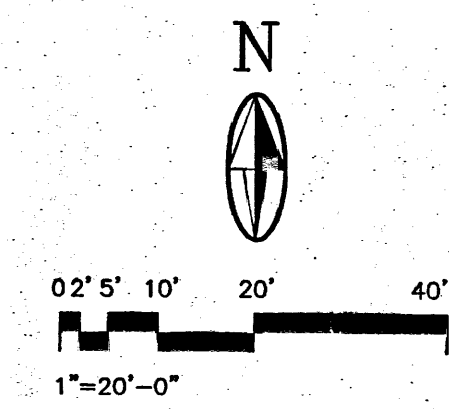
EXISTING CONDITIONS					
DESCRIPTION	LAND TREATMENT				VOLUME (ac-ft)
Area (acres)	A	B	C	D	V 100-6
1.43	0	0	0	100%	6.72

PROPOSED CONDITIONS					
DESCRIPTION	LAND TREATMENT				VOLUME (ac-ft)
Area (acres)	A	B	C	D	V 100-6
1.43	0	0	0	100%	6.72

6501 Americas Pkwy NE, Suite 400
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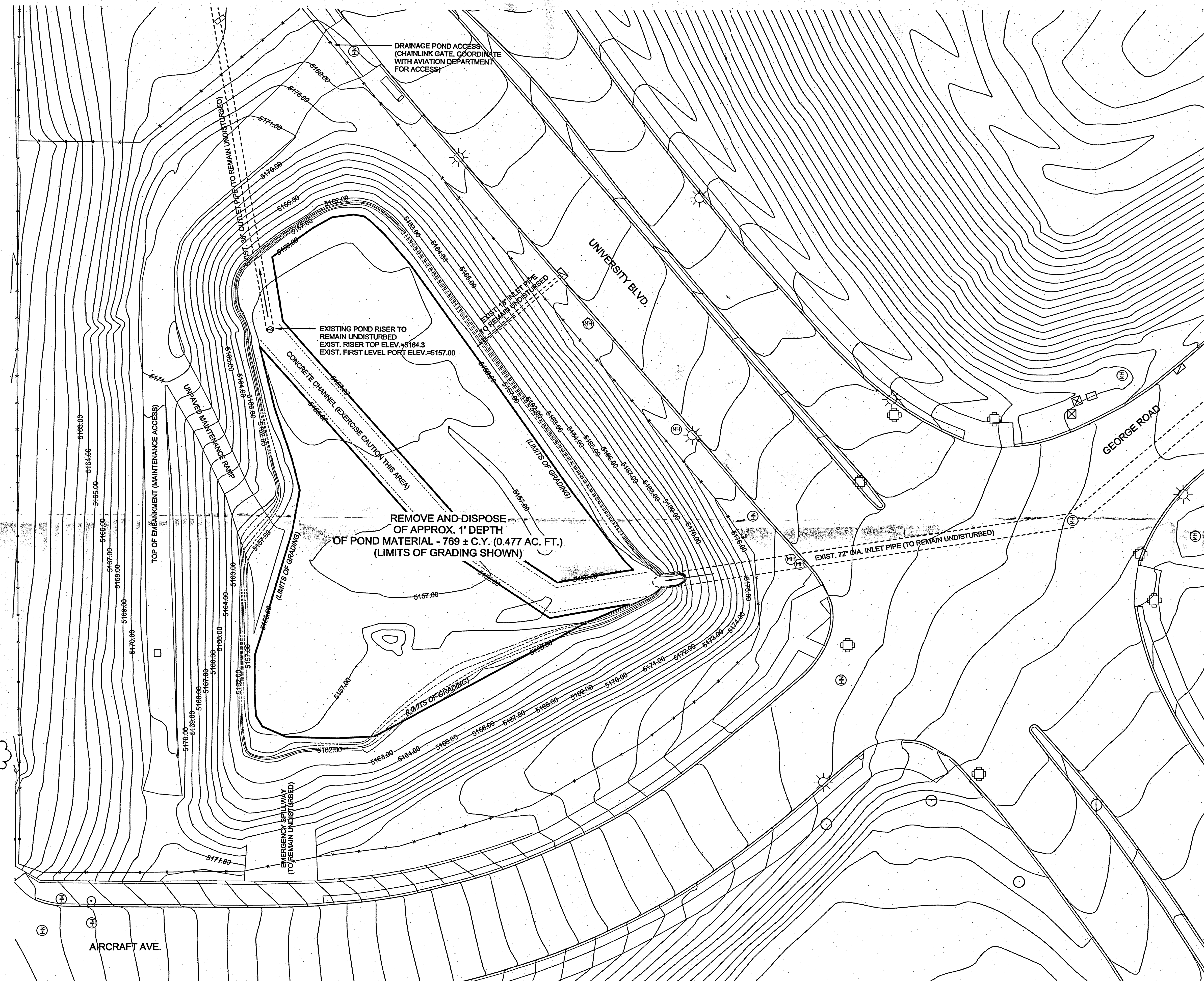
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Albuquerque, New Mexico 87106
505 242 5700 office
505 242 0673 fax
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CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP			
TITLE: ALBUQUERQUE INTERNATIONAL AIRPORT SNOW BARN COMPLEX			
COA - DRAINAGE ANALYSIS GRADING AND DRAINAGE PLAN			
Design Review Committee	City Engineer Approval	Mo./Day/Yr.	
City Project No. 722104	Zone Map No. M-16	Drawing No. C-107	Sheet Of 9

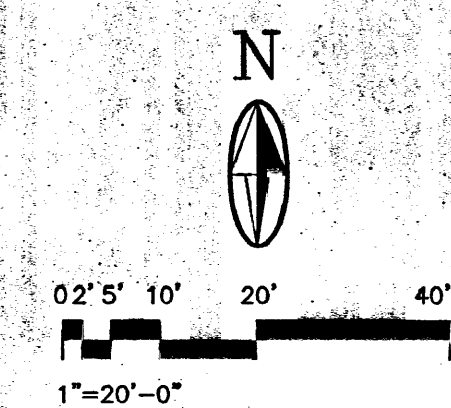


AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S STAMP & SIGNATURE	
Contractor	Inspector	Work	Date	No.	By	No.	By
Accepted By	Accepted By	Remarks	Date				
Verified By	Verified By	REVISIONS	Date				
Drawn By	Drawn By	DESIGN	Date				
Recorded By	Recorded By		Date				
No.	No.		Date				

10-16-2014
10-16-2014



- GENERAL NOTES
- SEE SHEET C-104 FOR SNOW BARN COMPLEX SITE GRADING AND DRAINAGE PLAN.

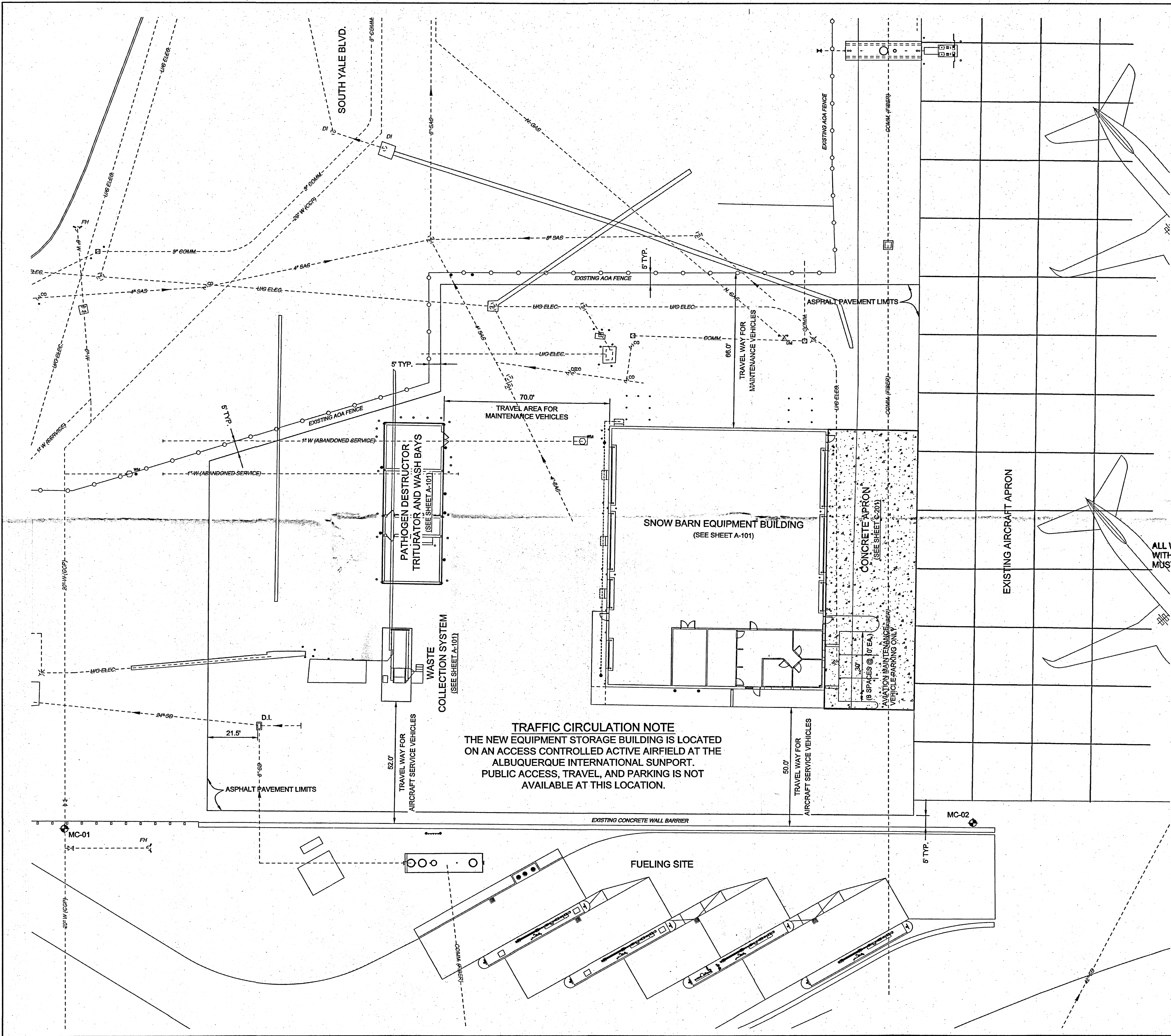


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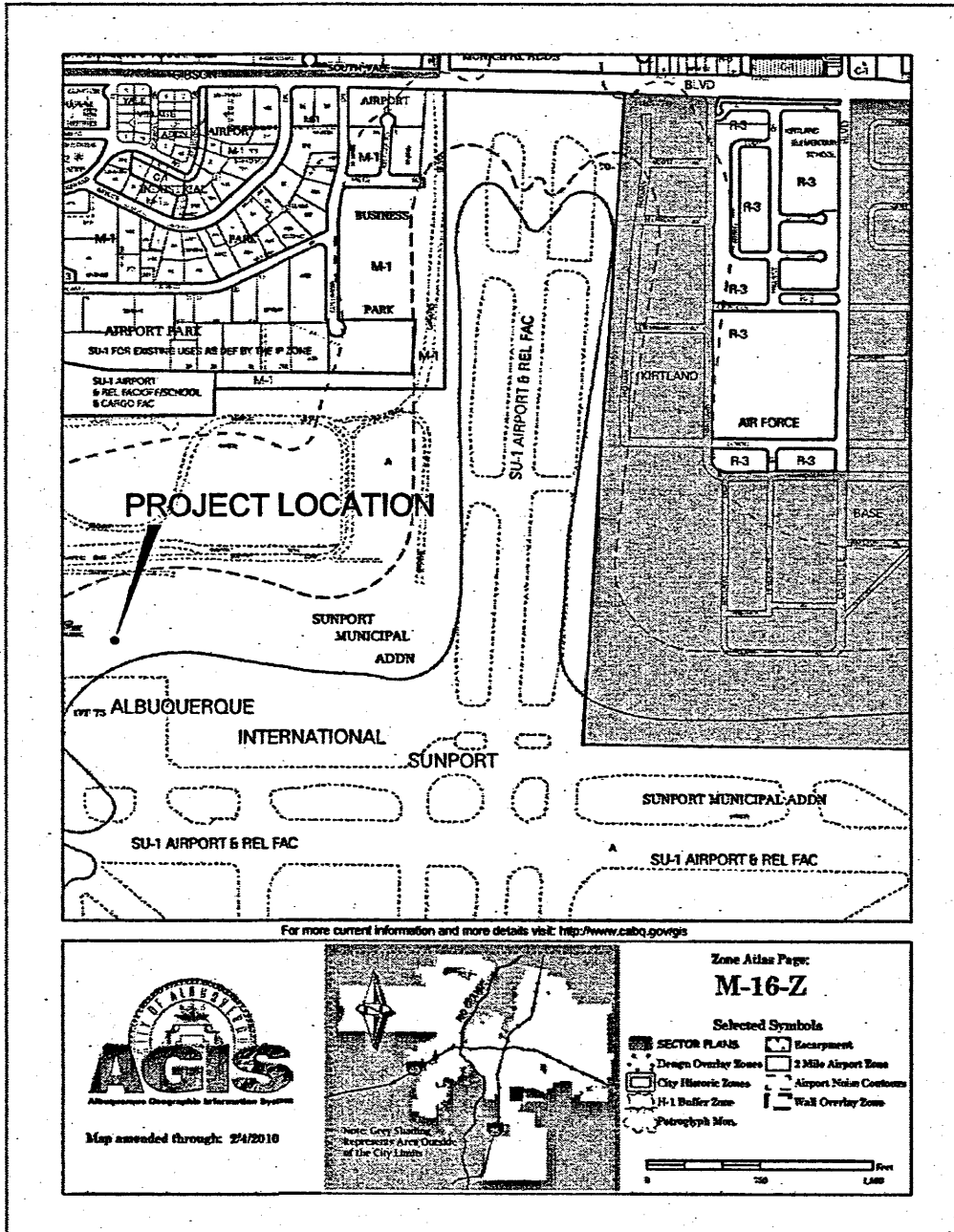
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP			
TITLE: ALBUQUERQUE INTERNATIONAL AIRPORT SNOW BARN COMPLEX			
UNIVERSITY BLVD./GEORGE RD. DRAINAGE POND - GRADING PLAN			
Design Review Committee	City Engineer Approval	Last Design Update	
City Project No. 722104	Zone Map No. M-16	Drawing No. C-106	Sheet 8

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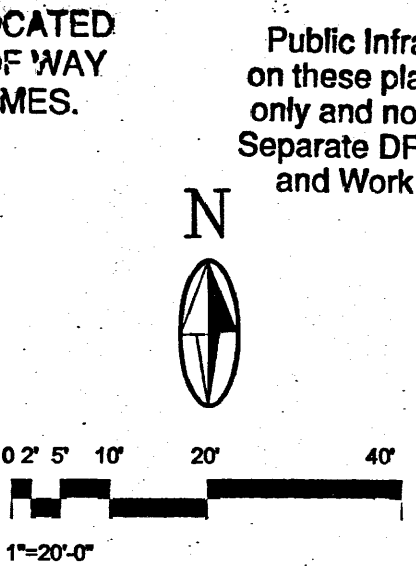


GENERAL NOTES

- SEE SHEET C-101 FOR SITE PLAN.
- SEE SHEET C-104 FOR GRADING AND DRAINAGE PLAN.
- SEE SHEET C-105 FOR UTILITY LAYOUT PLAN.



TRAFFIC CIRCULATION LAYOUT
APPROVED
[Signature]
Signed 11/24/14
Date



ALL WHEELCHAIR RAMPS LOCATED
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MUST HAVE TRUNCATED DOMES.

Public Infrastructure shown
on these plans for information
only and not part of approval.
Separate DRC/Permit approval
and Work Order required.

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TITLE: ALBUQUERQUE INTERNATIONAL AIRPORT SNOW BARN COMPLEX			
TRAFFIC CIRCULATION LAYOUT PLAN			
Design Review Committee	City Engineer Approval	Mo./Day/Yr.	Mo./Day/Yr.
City Project No. 722104		Zone Map No. M-16	Sheet 10
Drawing No. C-108		Of 10	

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEERS STAMP & SIGNATURE	
Contractor	Inspector	Field	Record	Field	Record	By	By
Year	Year	Year	Year	Year	Year	No.	No.
Checked By	Checked By	Checked By	Checked By	Checked By	Checked By	Remarks	Remarks
MICRO-FILM INFORMATION				DESIGN			
Recorded By				Date: 11-5-2014			
No.				Date: 11-5-2014			

