

AIRPORT BUSINESS PARK

ALBUQUERQUE, NEW MEXICO

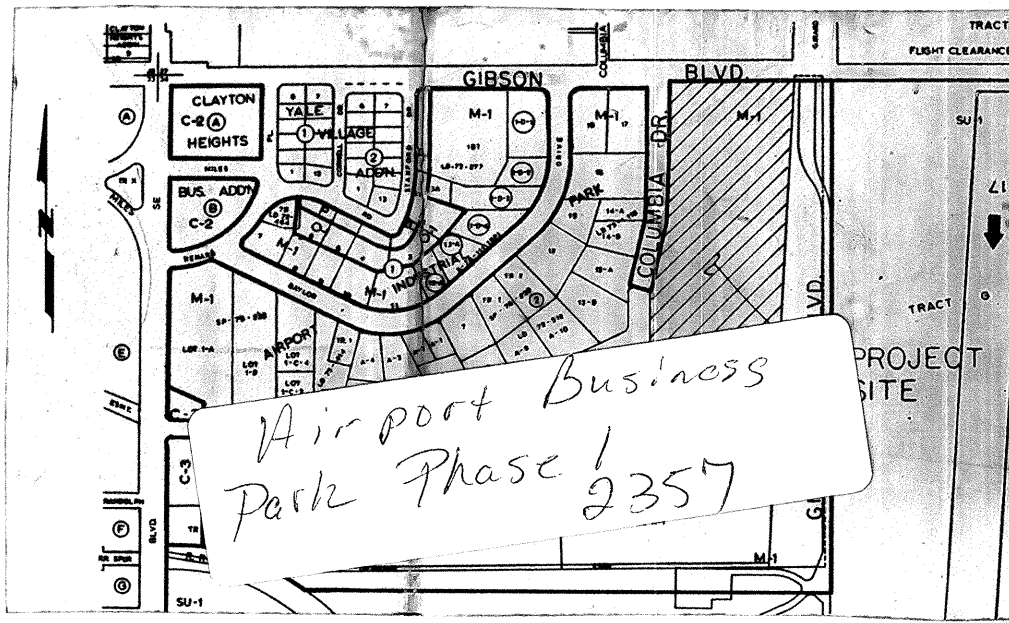
PHASE I

PAVING & STORM DRAINAGE

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	SUBDIVISION PLAT
3	GRADING PLAN
4	SEWER & WATER DESIGN (SEE PROJECT NO. 2199)
5	PAVING & DRAINAGE DESIGN
6	AIR PARK ROAD
7	MILES ROAD
8	DRAINAGEWAY

1 2 3 4 5 6 7 8 9 10 11 12
2 6 2 3 5 7 0 1 8 6

APPROVAL OF AS BUILT DRAWINGS
ASST. CITY ENGINEER - FIELD
W. McManara
DATE 1-30-86



VICINITY MAP
NOT TO SCALE
H-16 PH

GENERAL NOTES

NOTICE TO CONTRACTORS

- NEW MEXICO STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION-1979 EDITION WILL BE REFERRED TO HEREON AS THE "STANDARD SPECIFICATION."
- ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH "PUBLIC WORKS CONTRACT 84-2" AND THE NEW MEXICO STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1979 EDITION.
- TWO WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE, 765-1234, FOR LOCATION OF EXISTING UTILITIES.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OR SURVEYOR SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.

THE FOLLOWING NOTES ALSO APPLY WHEN CHECKED

- ☒ ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING.
- ☒ BACKFILL COMPACTION SHALL BE ACCORDING TO SPECIFIED STREET USE.
- ☒ TACK COAT REQUIREMENTS SHALL BE DETERMINED BY THE CITY ENGINEER.
- ☐ SIDEWALKS AND WHEELCHAIR RAMPS WITHIN THE CURB RETURNS SHALL BE CONSTRUCTED WHEREVER A NEW CURB RETURN IS CONSTRUCTED.
- ☐ IF CURB IS DEPRESSED FOR A DRIVEPAD, THE DRIVEPAD SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB AND GUTTER.
- ☒ ALL STORM DRAINAGE FACILITIES SHALL BE COMPLETED PRIOR TO FINAL ACCEPTANCE.
- ☒ THE REQUESTOR OR DEVELOPER SHALL BE RESPONSIBLE FOR REPAIR OR REPLACEMENT OF ALL CURB AND GUTTER OR SIDEWALK DAMAGED AFTER APPROVAL BY THE CITY ENGINEER OF WORK COMPLETED BY THE CONTRACTOR.

NOTE: PROJECT NUMBER 2357 SHALL BE USED FOR PAVING/STORM SEWER DESIGN ONLY. PLEASE REFER TO PROJECT NUMBER 2199 FOR SANITARY SEWER/WATER DESIGN.

REV	SHEETS	CITY ENGINEER	DATE	USER	DEPT.	DATE	USER	DEPT.	DATE
1	8	<i>W. McManara</i>	11/14/85	<i>W. McManara</i>	ACE-O	11-14-85	<i>S. J. Arndt</i>	Hydro	10-9-85
2	1-8	<i>C. W. Shippard</i>	1/3/86	<i>W. McManara</i>	ACE-O	12-28-84			

APPROVAL OF REVISIONS



APPROVED FOR CONSTRUCTION

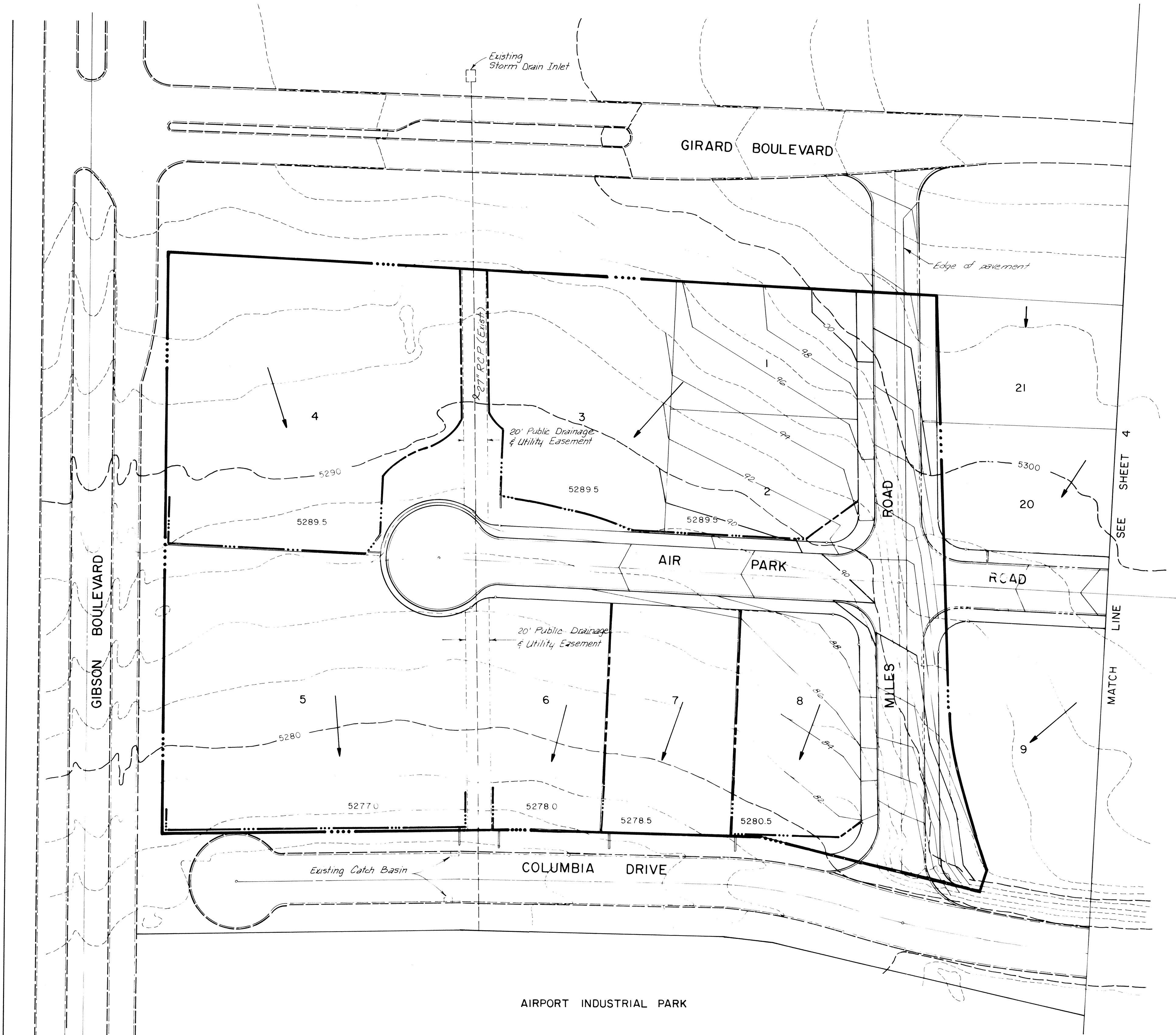
C. W. Shippard
1/28/86
C.E.

BOHANNAN - HUSTON INC.
ALBUQUERQUE - SANTA FE - EL PASO
ENGINEERS PLANNERS PHOTOGRAMMETRISTS

PROJECT NUMBER
~~2199~~ 2357

SHEET 1 OF 8

ALBUQUERQUE AIRPORT
MUNICIPAL ADDITION
TRACT 6



NOTES:

- All finish contours shown indicate the final ground elevation. Contours in roadways indicate top of pavement elevation.
- All areas shall be compacted to 90% of maximum density. Fill shall be compacted at optimum moisture $\pm 2\%$.
- No frozen material shall be placed in fill.
- All material placed in fill shall have been excavated on this project or from an approved borrow area.
- Material unsuitable for fill shall be removed from the site.
- Prior to grading, the existing surface of areas to be graded shall be stripped of organic matter. These strippings may be placed in temporary diversion berms or in landscaped berms.
- Slopes shall not exceed 3:1 (Horizontal : Vertical).
- Subgrade tolerance on all areas shall be $\pm 0.3'$.
- Grading operations shall be performed in a manner which meets all current City, State, and Federal dust control regulations.
- The temporary retention ponds shall be constructed using temporary diversion berms. The top of each berm shall be 6" above the WSEL shown for each pond.
- The contractor shall not disturb the areas in which no grading is indicated.
- Prior to placement of fill the existing soil shall be brought to optimum moisture content ($\pm 2\%$) as deep as practicable and compacted to 90% maximum density.

LEGEND

- EXISTING CONTOUR
- PROPOSED CONTOUR
- DIRECTION OF FLOW
- TEMPORARY DIVERSION BERM
- BLADED WIND ROW
- TEMPORARY RETENTION POND (SHOWING WATER SURFACE ELEV.)
- PROJECT / PHASE BOUNDARY

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26	23	57	03	86							

PREPARED UNDER THE
DIRECTION OF
[Signature]
9-10-84

APPROVED FOR CONSTRUCTION

CITY ENGINEER DATE

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

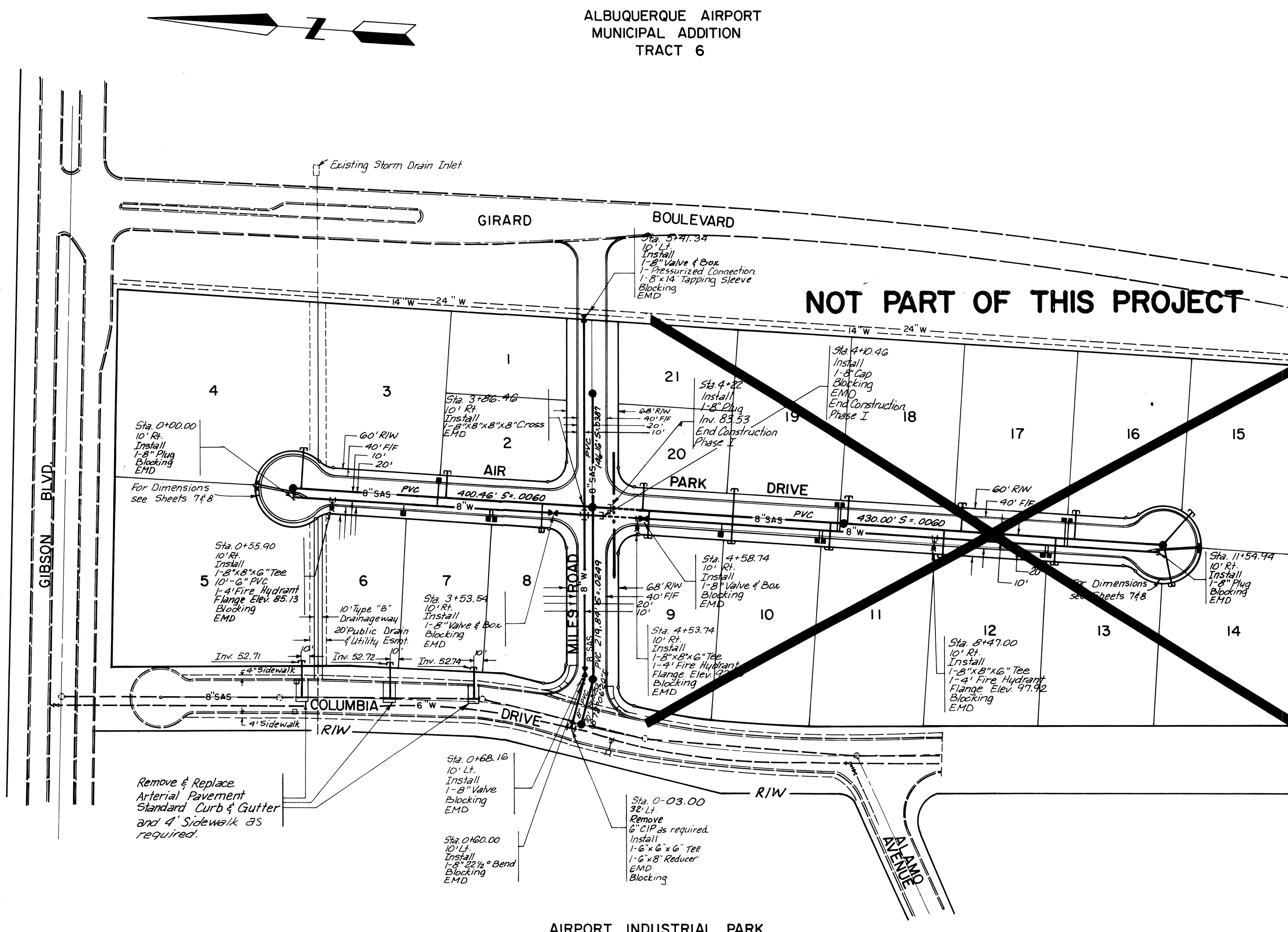
TITLE:
AIRPORT BUSINESS PARK - PHASE I
GRADING PLAN (NORTH)

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>[Signature]</i>	9/10/84	W.R.D.	<i>[Signature]</i>	9/22/84
A.C.E. - Design	<i>[Signature]</i>	9/10/84	Traffic	N.H. Dwyer	9/22/84
A.S.E. - Hydrology	<i>[Signature]</i>	9/24/84			

DRAWING NO. 2199-2357

SHEET 3 OF 8

SURVEY INFORMATION			BENCH MARKS			AS-BUILT INFORMATION		
NO.	BY	DATE	CITY BENCH MARK 11-L-16 IS A SQUARE "C" CHISELED IN TOP OF CONCRETE CURB AT THE SSW RETURN OF VAIL AVE. S.E. AND GIRARD BOULEVARD S.E.	CONTRACTOR	WORK ORDER NO.	CONTRACTOR	WORK ORDER NO.	DATE
			ELEV. = 5270.78'	UNIVERSAL		UNIVERSAL		
DESIGNED BY KBA DATE 3/84			INSPECTED BY			ACCEPTANCE BY R. Garcia DATE 1/28/86		
DRAWN BY UK DATE 3/84			VERIFICATION BY			DATE		
CHECKED BY DWK DATE 3/84			REVISIONS			MICRO-FILM INFORMATION		
						RECORDED BY		
						NO.		



WATER NOTES

1. Waterline construction shall comply with the City of Albuquerque Public Works Contract No. 84-2 and the New Mexico Standard Specifications for Public Works Construction 1979 Edition.
2. All waterlines shall be located 10' north or west of the street centerline.
3. All fire hydrants shall be located at the PC of curb returns or at property lines.
4. All water valves shall be located at the PC of curb returns, or 5' after the PC when a fire hydrant occupies the PC.
5. "Whenever possible, it is desirable to lay parallel water and sewer lines at least 10 feet apart horizontally, and the waterline should be a higher elevation than the sewer. If this is not possible, separate trenches will be required in all cases (this shall be effective even though one line has been installed prior to the other), and the waterline shall be at least 2 feet above the sewer. When water and sewer lines cross each other, the waterline shall be at least 18 inches above the sewer, otherwise the sewer shall be of cast iron pipe." A preferred alternative is encasement in concrete as shown in the Standard Details for 10' on each side of the waterline.
6. All waterlines shall have a minimum of 3'8" bury from top of curb.
7. Streets shall be graded to finished grade $\pm 1'0"$ prior to installation of utilities.
8. The Utility Contractor shall be responsible for constructing water service from water main to curb stop including curb box along with street and utility improvements.
9. Electronic Marker Disks shall be installed at all valves, bends, caps, tees and service connections as specified in Section 131 of the Public Works Contract 84-2.
10. Single Water Meter locations will have 1 1/2" service lines and 1 1/2" Water Meters and one Water Meter Box and Cover except as noted.
11. Double Water Meter locations will have two 1 1/2" service lines, two 1 1/2" Water Meters with 2 Water Meter Boxes and Covers except where noted.
12. Water Meter Locations will be in accordance with City Standard Drawing No. W-14-1.
13. All waterlines and services within easements shall be built to City of Albuquerque Standards and will be maintained by the City of Albuquerque.
14. Coordinate Columbia Drive connections with Water Systems Division of the City Water Resources Department by contacting Archie Martinez 823-4052.
15. All valves shall be resilient seat gate valves.

AIRPORT INDUSTRIAL PARK
TRACT A-1

SAS NOTES

1. Sewer line construction shall comply with the City of Albuquerque Public Works Contract No. 84-1 and the New Mexico Standard Specifications for Public Works Construction, 1979 Edition.
2. Sewer Services, other than those indicated, shall not tie in to the sewer main at manholes.
3. Electronic Marker Disks shall be installed at all service tees and at all plugged ends as specified in Section 131 of the Supplemental Technical Specifications to the City of Albuquerque Public Works Contract No. 84-2.
4. Streets shall be graded to finish grade $\pm 1'0"$ prior to installation of utilities.
5. For Sanitary Sewer service tee locations see sheet 6.
6. All service line stub-outs shall be perpendicular to the Sanitary Sewer Main. Stub-outs shall be 4" CIP unless otherwise noted.
7. A water-tight plug and EMD shall be installed at the end of each stub-out.
8. Waterline shall be a minimum 10' north or west of centerline of the Sanitary Sewer Line.
9. The Sanitary Sewer Main and laterals within the street right-of-ways will be maintained by the City of Albuquerque.
10. All Sanitary Sewer Laterals shall be installed according to City Standard Drawing S-II.
11. Sewer Service Lateral Plugs shall be located one foot outside of the right-of-way.
12. All Drop Manholes shall use 12" diameter DIP for vertical drop outside of the Manhole. See City Standard Drawing S-4-2.
13. The contractor must submit a Traffic Control Plan and receive a barricading permit prior to construction in Columbia.

LEGEND

- W--- EXISTING WATERLINE
- W--- PROPOSED WATERLINE
- X--- EXISTING WATER VALVE
- X--- PROPOSED WATER VALVE
- X--- EXISTING FIRE HYDRANT
- X--- PROPOSED FIRE HYDRANT
- X--- METER SERVICE GROUP
- B--- BEND
- T--- TEE
- C--- CAP
- O--- EXISTING SANITARY SEWER MANHOLE
- PROPOSED SANITARY SEWER MANHOLE
- ...--- PROJECT / PHASE BOUNDARY

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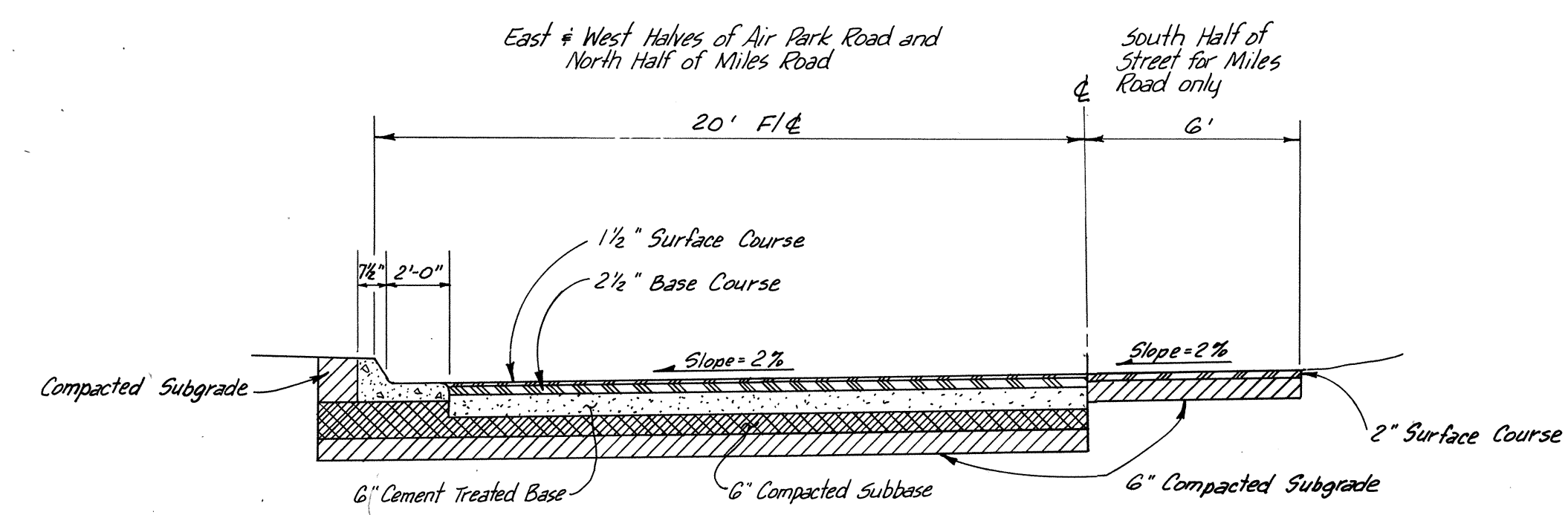
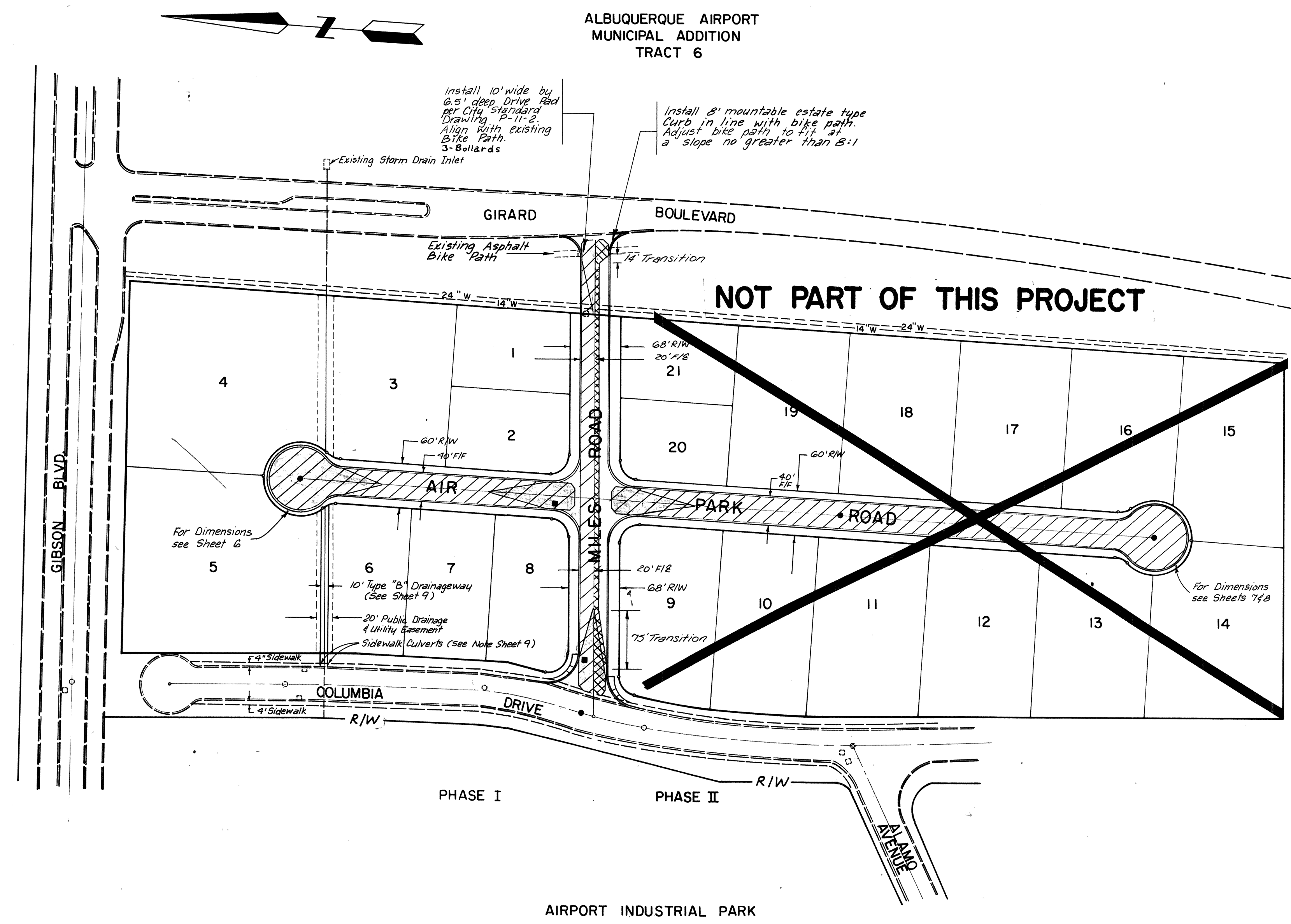
#2199=WATER & S.A.S. ONLY

N. I. C.

#2357=PAVING & STORM DRAINAGE ONLY

THIS PROJECT

PREPARED UNDER THE DIRECTION OF <i>Guadalupe</i> 9-19-84		CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT ENGINEERING DIVISION			
TITLE: AIRPORT BUSINESS PARK - PHASE I SEWER & WATER DESIGN					
APPROVALS	ENGINEER	DATE	ENGINEER	DATE	
City Engineer	<i>A. L. ...</i>	9/24/84	W.R.D.	<i>R. ...</i>	9/24/84
A.C.E. - Design	<i>...</i>	9/14/84	Traffic	<i>...</i>	9/24/84
Hydrology	<i>N.A. ...</i>	9/24/84			
APPROVED FOR CONSTRUCTION		DRAWING NO. 2199-2357		SHEET 4 OF 8	
CITY ENGINEER		DATE			



TYPICAL ARTERIAL STREET SECTION
FOR MILES RD. & AIR PARK RD.
SCALE: 1" = 4'

- NOTES:
1. All returns shall have a 30' radius at the face of curb.
 2. Streets shall be graded to finished grade $\pm 1.0'$ prior to installation of utilities.
 3. All curb within project shall be standard curb and gutter per Standard Drawing P-8-2.
 4. Stationing shown on plan and profile sheets is centerline stationing.
 5. Pavement shall be according to City Standard Drawing P-7-1 for arterial streets.
 6. All streets shall be maintained by the City of Albuquerque.
 7. Air Park and Miles Roads will have a 5' crown.

- LEGEND
- PROPOSED ARTERIAL PAVING
 - CROWN FLATTENING
 - STANDARD CURB & GUTTER
 - PROPOSED MANHOLE
 - EXISTING MANHOLE
 - PROPOSED WATER VALVE
 - EXISTING WATER VALVE
 - PROJECT / PHASE BOUNDARY

1	2	3	4	5	6	7	8	9	10	11	12
2	6	2	3	5	7	0	5	8	6		

#2199= WATER 8" S.A.S. ONLY

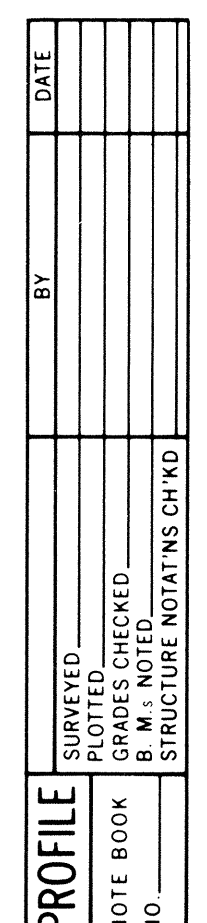
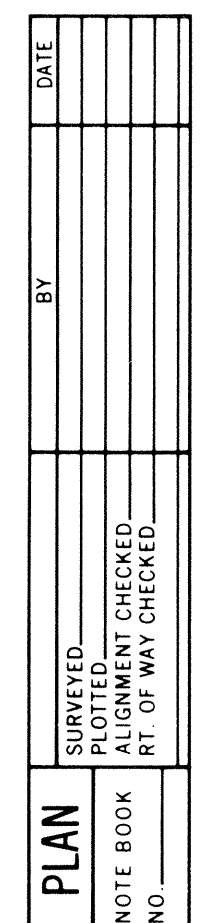
N.I.C.

#2357= PAVING & STORM DRAINAGE ONLY

THIS PROJECT

PREPARED UNDER THE DIRECTION OF		CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT ENGINEERING DIVISION	
TITLE: AIRPORT BUSINESS PARK - PHASE I PAVING & DRAINAGE DESIGN			
APPROVALS	ENGINEER	DATE	APPROVALS
City Engineer	<i>[Signature]</i>	9/26/84	W.R.D.
A.C.E. - Design	<i>[Signature]</i>	10/2/84	Traffic
	<i>[Signature]</i>	9/26/84	
APPROVED FOR CONSTRUCTION		DATE	
CITY ENGINEER		DATE	
DRAWING NO.		SHEET 5 OF 8	

BENCH MARKS										AS-BUILT INFORMATION									
CITY BENCH MARK 11-LIG IS A SQUARE "□"										CONTRACTOR <i>Universal</i>									
CHISELED IN TOP OF CONCRETE CURB AT THE										WORK STAGED BY									
SSW RETURN OF VAIL AVE. S.E. AND GIRARD										DATE									
BOULEVARD S.E.										DATE 1/18/86									
ELEV. = 5270.78'										FIELD LOCATION BY									
										DRAWINGS									
										CORRECTED BY									
										DATE									
SURVEY INFORMATION										MICRO-FILM INFORMATION									
										RECORDED BY									
										DATE									
										NO.									
REFERENCES										AS-BUILT INFORMATION									
MAP NO. M - 16 - Z 411										CONTRACTOR <i>Universal</i>									
EST. NO.										WORK STAGED BY									
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1 1/28/84 Design separated into 2 project numbers : 2199 (Water / Sanitary Sewer) : 2357 (Baving + Storm Drainage)										QUERQUE NT DEPARTMENT DIVISION				PARK - PHASE I ROAD			
APPROVALS				ENGINEER				DATE									
R.D. ffice				2/2/84 Drail 10. Hammer				7/22/84 7/22/84									
SHEET 6				OF 8													

PREPARED UNDER THE
DIRECTION OF

William B. Edwards
9-19-84

#2199= WATER & S.A.S. ONLY

N. I. C. 

#2357= PAVING & STORM DRAINAGE ONLY

THIS PROJECT

		CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT ENGINEERING DIVISION					
TITLE: AIRPORT BUSINESS PARK - PHASE I AIR PARK ROAD							
APPROVALS		ENGINEER		DATE		APPROVALS	
City Engineer		<i>E. J. [Signature]</i>		11/12/81		W.R.D.	
A.C.E. - Design		<i>H.C. [Signature]</i>		11/12/81		Traffic	
A.C.E. - Hydrology		<i>B.J. [Signature]</i>		7/26/81			
DRAWING NO.		2199-2357				SHEET 6 OF 8	

PLAN	DATE	BY	DATE
SURVEYED			
PLOTTED			
CHECKED			
BY			
NO.			

PROFILE	DATE	BY	DATE
SURVEYED			
PLOTTED			
CHECKED			
BY			
NO.			

