



# City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

Ken Schultz  
Mayor

UTILITY DEVELOPMENT DIVISION  
HYDROLOGY SECTION  
(505) 768-2650

April 23, 1987

Charles M. Easterling, P.E.  
Easterling & Associates, Inc.  
5643 Paradise Boulevard, NW  
Albuquerque, New Mexico 87114

RE: GRADING & DRAINAGE PLAN SUBMITTAL OF STARDUST SKIES PARK  
RECEIVED MARCH 23, 1987, FOR GRADING PERMIT APPROVAL (G-19/D22)

Dear Chuck:

The above referenced submittal, dated February 24, 1987, is approved for Work Order and Grading Permit. Work Order No. 2905 was signed off by Hydrology on April 7, 1987.

If you have any further questions, call me at 768-2650.

Cordially,

Roger A. Green, P.E.  
C.E./Hydrology Section

cc: Sandy Zuschlag

RAG/bsj

PUBLIC WORKS DEPARTMENT

Walter Nickerson, P.E., City Engineer

ENGINEERING GROUP

Telephone (505) 768-2500

AN EQUAL OPPORTUNITY EMPLOYER

- NOTES
1. AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN CITY RIGHT-OF-WAY. AN APPROVED COPY OF THESE PLANS MUST BE SUBMITTED AT THE TIME OF APPLICATION FOR THIS PERMIT.
  2. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED, EXCEPT AS OTHERWISE STATED OR PROVIDED HEREON, SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE "CITY OF ALBUQUERQUE INTERIM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION - 1985 EDITION," EXCEPT FOR GENERAL CONDITIONS.
  3. TWO WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE, 765-1234, FOR LOCATION OF EXISTING UTILITIES.
  4. 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 SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
  5. BACKFILL COMPACTION SHALL BE ACCORDING TO ARTERIAL STREET USE.
  6. MAINTENANCE OF THE FACILITIES SHALL BE THE RESPONSIBILITY OF THE OWNER OF THE PROPERTY SERVED.
  7. ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING.
  8. DISPOSAL OF ALL WASTE MATERIAL SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AS SPECIFIED IN SECTION 6.14 OF THE GENERAL CONDITIONS IN THE CITY OF ALBUQUERQUE INTERIM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION - 1985 EDITION.
  9. ALL CONCRETE DUMPSTER PADS SHALL BE SIX INCH REINFORCED CONCRETE (6" X 6", 10 GA. W.W.M.).
  10. OWNERSHIP OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF **EASTERLING & ASSOCIATES, INC.** AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF **EASTERLING & ASSOCIATES, INC.**
  11. CONSTRUCTION SAFETY: THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY WHICH SHALL REMAIN THE CONTRACTOR'S RESPONSIBILITY.
  12. EROSION CONTROL: THE SITE WILL BE FULLY DEVELOPED IMMEDIATELY. EROSION PROBLEMS GENERATED BY PHASED DEVELOPMENT WILL NOT, THEREFORE, BE A PROBLEM.
  13. CONSTRUCTION PHASE: THE CONTRACTOR SHALL EXERCISE REASONABLE CARE DURING CONSTRUCTION TO PREVENT THE MOVEMENT OF SEDIMENT FROM THE SITE INTO THE STREET. LOOSE SOIL STOCKPILES IN THE STREET DURING UTILITY CONNECTION ACTIVITIES SHALL BE PROTECTED FROM BEING CARRIED DOWNSTREAM BY FLOWING WATER IN THE STREET.

EXISTING CONDITIONS:

THE PROPOSED SITE IS CURRENTLY UNDEVELOPED. THERE IS NO OFF-SITE FLOW ENTERING THE SITE DUE TO THE 100-YEAR OR SMALLER STORM.

DEVELOPED CONDITIONS:

THERE WILL BE NO OFF-SITE FLOW ONTO THIS PROPERTY. DEVELOPED FLOW WILL BE DIRECTED INTO THE EXISTING DRAINAGE CHANNELS. 91% OF THE PARK WILL BE GRASS-COVERED WITH A SLOPE OF AT LEAST 2% OVER THE WHOLE SITE. THE EXISTING TENNIS COURTS HAVE A CATCH BASIN AND 6" PVC WHICH DRAIN INTO THE DRAINAGE CHANNEL.

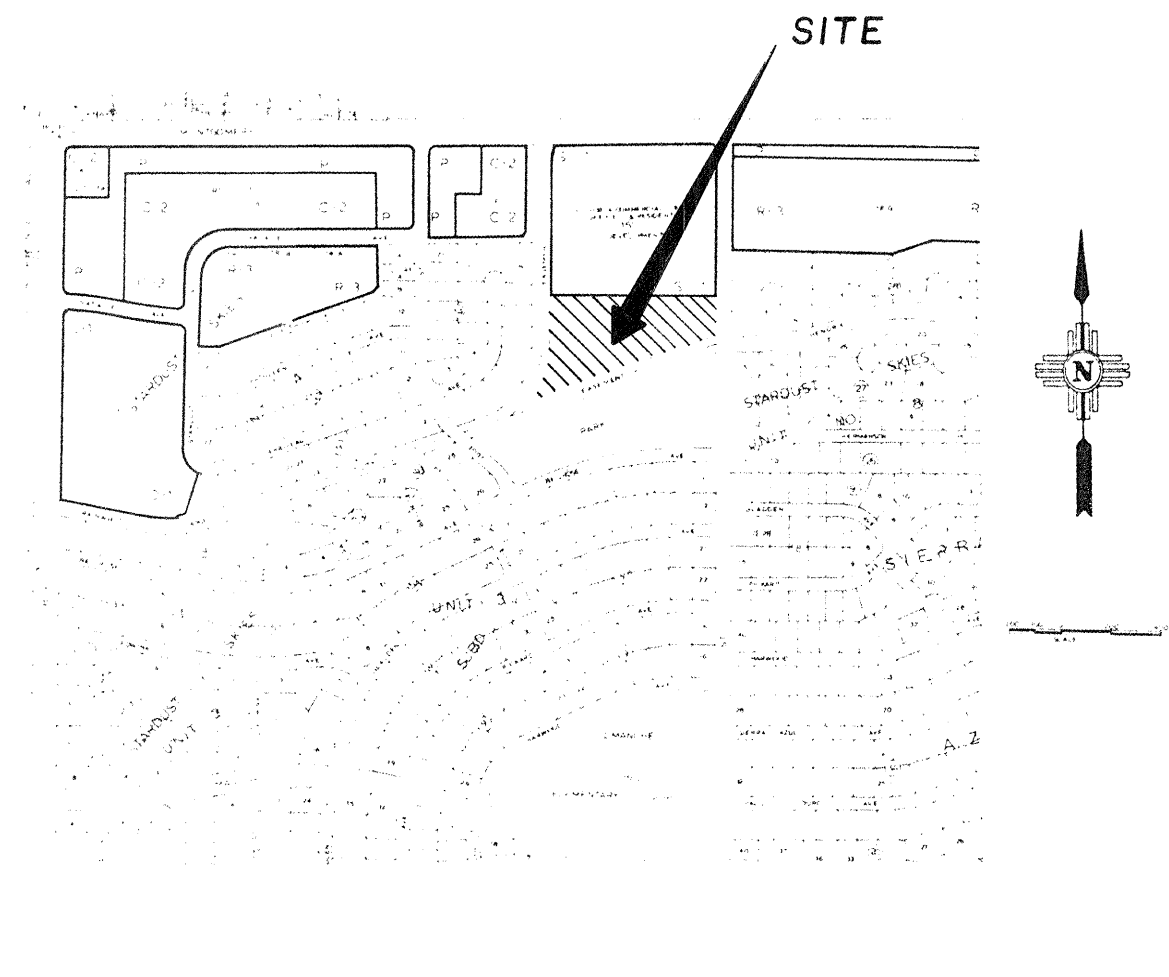
- SITE GRADING NOTES:
- \* PRIOR TO CONSTRUCTION, CONTRACTOR SHALL PHYSICALLY STAKE AND MARK THE DETERMINED LOCATIONS OF ALL UTILITY LINES BY VERIFICATION WITH ALL PUBLIC UTILITIES. ANY DAMAGE TO EXISTING UTILITY LINES WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
  - \* PRIOR TO START OF GRADING, ALL ACTIVELY GROWING, EXISTING GRASSES AND WEEDS WITHIN THE LIMITS OF THE SITE SHALL BE TREATED WITH "ROUND UP" HERBICIDE. ADEQUATE TIME SHALL BE TAKEN TO ALLOW HERBICIDE TO COMPLETELY KILL ALL VEGETATION.
  - \* CONTRACTOR SHALL FIELD VERIFY THE TOTAL EXTENT OF WORK TO BE PERFORMED AND EXISTING CONDITIONS PRIOR TO BID.
  - \* CONTRACTOR SHALL ESTABLISH TWO PERMANENT BENCHMARKS PRIOR TO BEGINNING EARTHWORK. A SURVEYING LEVEL SHALL BE AVAILABLE AT ALL TIMES TO SPOT CHECK ELEVATIONS WHEN REQUESTED BY THE LANDSCAPE ARCHITECT.
  - \* CONTRACTOR SHALL OBTAIN A TOPSOIL DISTURBANCE PERMIT PRIOR TO GRADING.

- SITE GRADING PROCEDURES:
1. PRIOR TO INSTALLATION OF THE IRRIGATION SYSTEM, THE SITE SHALL BE ROUGH GRADED TO  $\pm 1/10$  OF ONE FOOT.
  2. AFTER INSTALLATION OF THE IRRIGATION SYSTEM IS COMPLETE, SOIL SHALL BE PREPARED IN ACCORDANCE WITH SPECIFICATIONS.
  3. UPON COMPLETION OF TILLING, THE SITE SHALL BE WATERED WITH THE IRRIGATION SYSTEM FOR A PERIOD OF SEVEN (7) DAYS. APPROXIMATELY 1" - 2" OF WATER SHALL BE APPLIED EACH DAY FOR THE SEVEN (7) DAY PERIOD. AFTER THE COMPLETION OF THE SEVEN (7) DAY WATERING PERIOD, THE SITE SHALL BE ALLOWED TO DRY IN ORDER THAT FINE GRADING BE ACCOMPLISHED.
  4. FINE GRADING SHALL BE PERFORMED TO ASSURE A CONSISTENTLY UNIFORM SURFACE, FREE OF RIDGES OR DEPRESSIONS. INSPECTION OF THE FINE GRADING SHALL BE PERFORMED BY THE LANDSCAPE ARCHITECT PRIOR TO SEEDING. THE CONTRACTOR SHALL PROVIDE A SIGNED STATEMENT FROM A REGISTERED LAND SURVEYOR STATING THAT ALL SITE GRADING MEETS SPECIFIED GRADES.

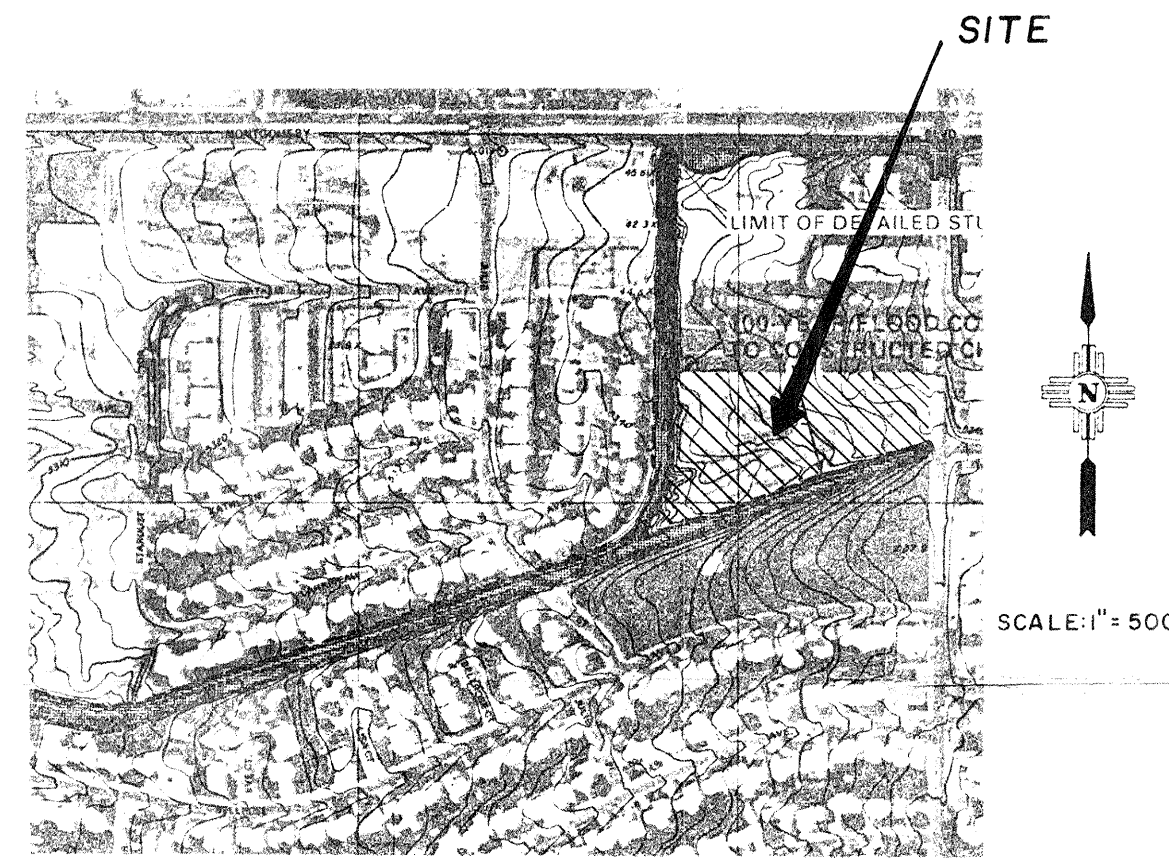
LEGAL DESCRIPTION

TRACT A-1 BLOCK 15 - UNIT NO. 4 OF STARDUST SKIES, ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO

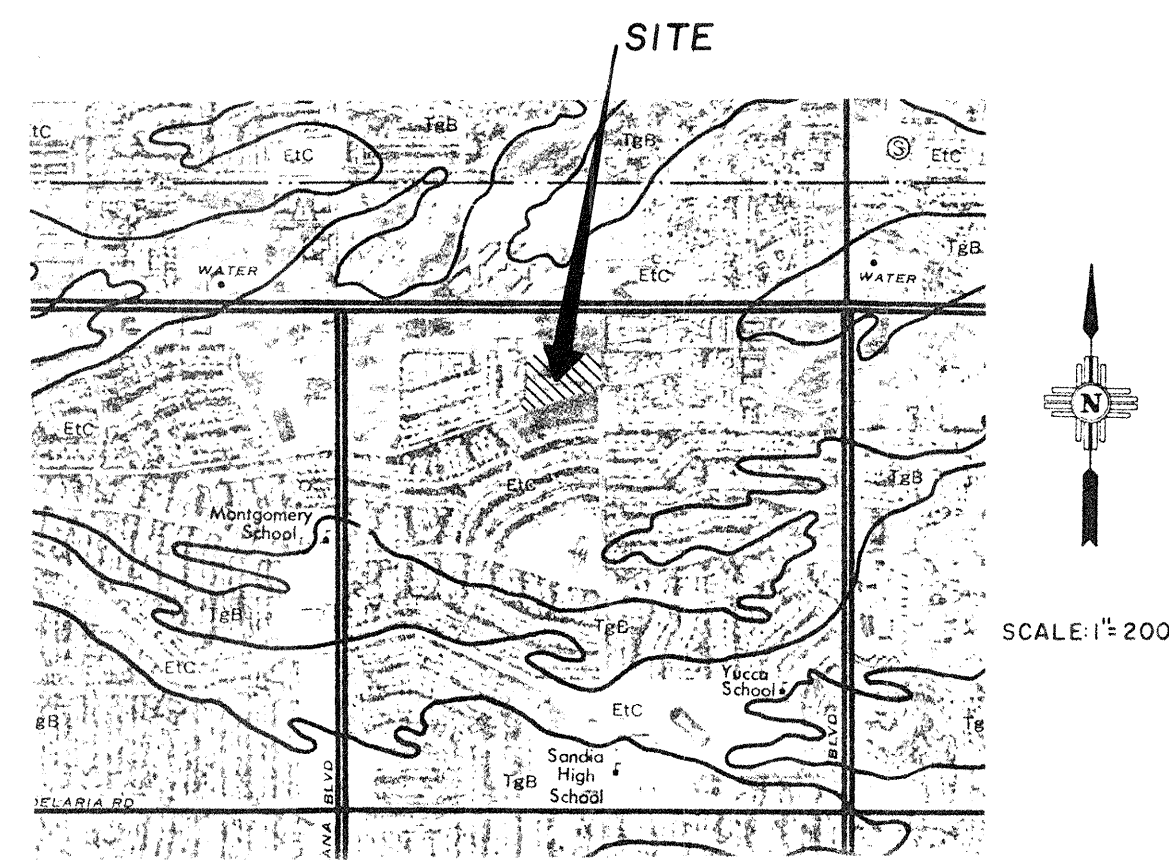
VICINITY MAP ZONE ATLAS MAP NO. G-19



FLOOD HAZARD MAP & OFFSITE FLOWS FROM F.E.M.A. MAP NO. 24



SOILS MAP FROM SOIL SURVEY, BERN. CO. U.S.D.A., S.C.S.



APPROVED FOR THE CITY  
4-20-87  
Rogers & Associates, Inc. Hydrology

RECEIVED  
MAR 23 1987  
HYDROLOGY SECTION

HYDROLOGY

	A.P ##	D.A AC	H FT	S FT/FT	L FT	Tc MIN	SOIL TYPE	% IMP	C.N	C	P2 IN	P10 IN	F100 IN	1/2 IN/HR	1/10 IN/HR	1/100 IN/HR	Vol. 2 CF	Vol. 10 CF	Vol. 100 CF	Q2 C.F.S	Q10 C.F.S	Q100 C.F.
EXISTING		4.07	24'	.0274	875'	5.74	B	9%	70	.40	1.0	1.5	2.3	2.18	3.27	5.01	Ø	1,182	5,318	3.5	5.3	8.2
DEVELOPED		4.07	24'	.0274	875'	5.74	B	10%	61	.32	1.0	1.5	2.3	2.18	3.27	5.01	Ø	1,182	5,318	2.8	4.3	6.5

SOILS INFORMATION FROM SOIL SURVEY, BERNALILLO CO. U.S.D.A., S.C.S.

SOIL SERIES AND MAP SYMBOLS	DEGREE AND KIND OF LIMITATIONS FOR						SUITABILITY AS SOURCE OF -			SOIL FEATURES AFFECTING -			HYDROLOGIC SOIL GROUP
	SEPTIC TANK ABSORPTION FIELDS	SEWAGE LAUNDRIES	SHALLOW EXCAVATIONS	DWELLINGS WITHOUT BASEMENTS	SANITARY LANDFILL (TRUCKS ETC.)	LOCAL ROAD AND STREETS	ROAD FILL	SAND	GRAVEL	TOPSOIL	POND RESERVOIR AREAS	Dikes, Levees, and Other Embankments	
* Embudo - Embudo-Tijeras complex, 0 to 9 percent slopes. This mapping unit is about 50 percent an Embudo gravelly fine sandy loam, 0 to 5 percent slopes, and about 35 percent a Tijeras gravelly fine sandy loam that has 1 to 9 percent slopes.	Slight.....	Severe: seepage.	Moderate: small stones.	Slight.....	Severe: seepage.	Slight.....	Good.....	Poor: excess fines.	Poor: excess fines.	Poor: small stones.	Seepage.....	Piping; compressible.	B

Embudo - Embudo-Tijeras complex, 0 to 9 percent slopes. This mapping unit is about 50 percent an Embudo gravelly fine sandy loam, 0 to 5 percent slopes, and about 35 percent a Tijeras gravelly fine sandy loam that has 1 to 9 percent slopes.

The Embudo soil is in drainageways and depressions, and the Tijeras soil is on low ridges in narrow undulations. The Tijeras soil has the profile described as representative of the Tijeras series. On both soils, runoff is medium and the hazard of water erosion is moderate.

Included in this unit in mapping are areas of Tesajo, Millett, and Wink soils, which make up about 15 percent of the unit.

This mapping unit is used for community development, watershed, wildlife habitat, and range. The Embudo part of this unit is subject to flooding. Control of moisture is required for proper compaction. Dryland capability subclass VIIc; native plant community 4.

CITY OF ALBUQUERQUE  
PARKS & RECREATION DEPARTMENT  
DESIGN & DEVELOPMENT DIVISION

TITLE: <b>STARDUST SKIES PARK GRADING &amp; DRAINAGE PLAN</b>					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A.C.E. Design			Traffic		
A.C. E-Hydrology			Water		
DRAWING NO.	2905	MAP NO. G-19-Z	SHEET 1 OF 2		



