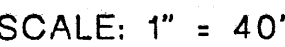
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APPROVALS	ENGINEERS	DATE	
A.C.E./DESIGN			
INSPECTOR			
A.C.E./FIELD			

Roni G. Booth, NMPE# 5853



1. INSTALL 1 FT. SIDEWALK CULVERT FOR DRAINAGE.
2. PROVIDE 1 FT. OPENING IN CURB FOR DRAINAGE.
3. INSTALL 2 FT. SIDEWALK CULVERT FOR DRAINAGE.
4. CONNECT NEW 12" STORM DRAIN LINE TO EXISTING STORM DRAIN INLET.
5. INSTALL NEW 12" DIAMETER STAND PIPE.

TRACTS L-1-C-1 & L-1-C-2
UNSER BLVD & BLUEWATER ROAD
GRADING PLAN
ALBUQUERQUE, NM

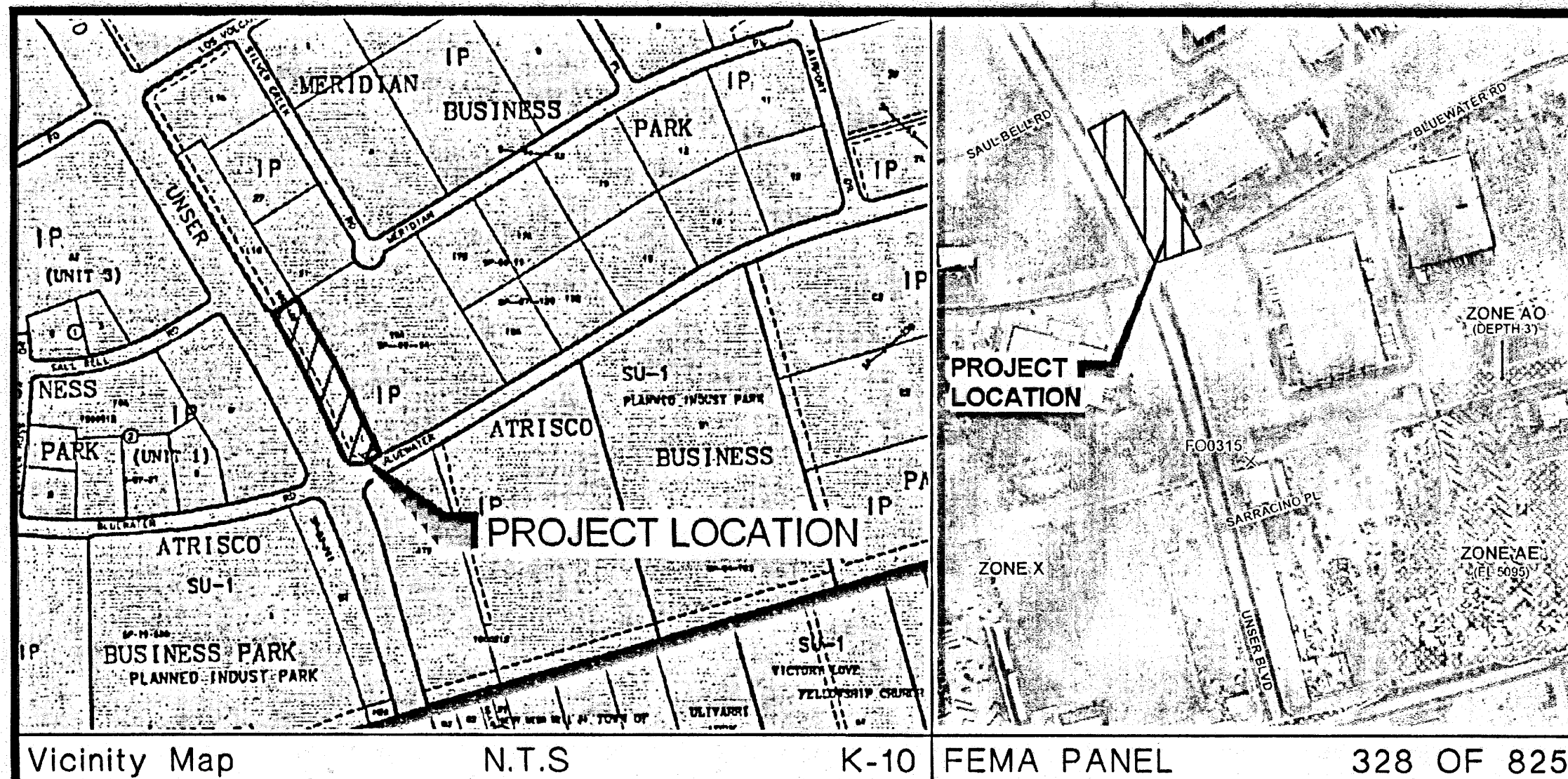
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SHEET TITLE

C-101

SHEET 1 of 1

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HYDROLOGY
SECTION



SHEET 1 of 1

Hydrology Calculations	TRACT L-1-C-2			
Date: November 11, 2003				
DPM - Section 22.2				
Volume 2, January 1993				
Precipitation Zone	1			
100 Year Storm Depth, P (360)	2.2			
100 year Storm Depth, P (10 day)	3.67			
Treatment Area	A	B	C	D
Excess Precipitation Factors	0.44	0.67	0.99	1.97
Peak Discharge Factors	1.29	2.03	2.87	4.37
Land Treatment Area	Acres	Existing	Proposed	
Type "D" (Roof)		0.00	0.50	
Type "C" (Unpaved Roadway)		0.00	0.00	
Type "B" (Irrigated Lawns)		0.00	0.14	
Type "A" (Undeveloped)		0.64	0.00	
Total (Acres)		0.64	0.64	
Excess Precipitaion(in)		0.44	1.69	
Volume (100), cf		1022.21	3916.04	
Volume (10),cf		684.88	2623.75	
Volume (100,10 day), cf		1022.21	6584.09	
Q (100), cfs		0.83	2.47	
Q (10), cfs		0.55	1.65	

THIS PROPERTY IS LOCATED AT THE NORTHEAST CORNER OF UNSER AND BLUEWATER AND IS COMPRISED AS TRACT L-1-C-1 AND L-1-C-2 AND CONTAINS APPROXIMATELY 1.77 ACRES. THE SITE IS CURRENTLY UNDEVELOPED AND SLOPES FROM NORTH TO SOUTH ULTIMATELY DRAINING INTO BLUEWATER. THIS PLAN PROPOSES TO CONTINUE THE HISTORIC DRAINAGE PATTERN EXCEPT THAT THE FLOWS WILL BE COLLECTED INTO A DETENTION POND ON THE SOUTHWEST CORNER OF TRACT L-1-C-2. THE POND WILL THEN DRAIN INTO THE EXISTING STORM DRAIN IN UNSER BOULEVARD AT A RATE EQUIVALENT TO THE HISTORIC RUNOFF RATE. THE STORM DRAIN SYSTEM IN UNSER HAS ENOUGH CAPACITY TO ADEQUATELY DRAIN THIS SITE. THE STANDPIPE IN THE POND WILL SERVE AS A CLEAN WATER STRUCTURE AS WELL AS A WEIR AND WILL BE CONNECTED TO THE TYPE A INLET THAT IS ADJACENT TO THIS PROPERTY VIA A 12 INCH STORM DRAIN LINE. THERE WILL BE A WATER BLOCK INSTALLED AT BLUEWATER SUCH THAT THE RUNOFF IS ALL DIRECTED TO THE POND. THE SITE IS NOT WITHIN A 100 YEAR FLOODPLAIN.

ACS 9-K10
X = 358,184.87
Y = 1,485,554.99

ELEV = 5114.990

SOUTHEAST CORNER OF PROPERTY BEING
A 5/8" REBAR WITH CAP

ELEV = 5114.44

-
- — — — — EXISTING CONTOUR
 ———— 71 ———— PROPOSED CONTOUR
 - - - - - DIRECTION OF FLOW
 • 73.16 PROPOSED SPOT ELEVATION
 TC TOP OF CURB
 FL FLOW LINE
 TW TOP OF WALL
 BW BOTTOM OF WALL

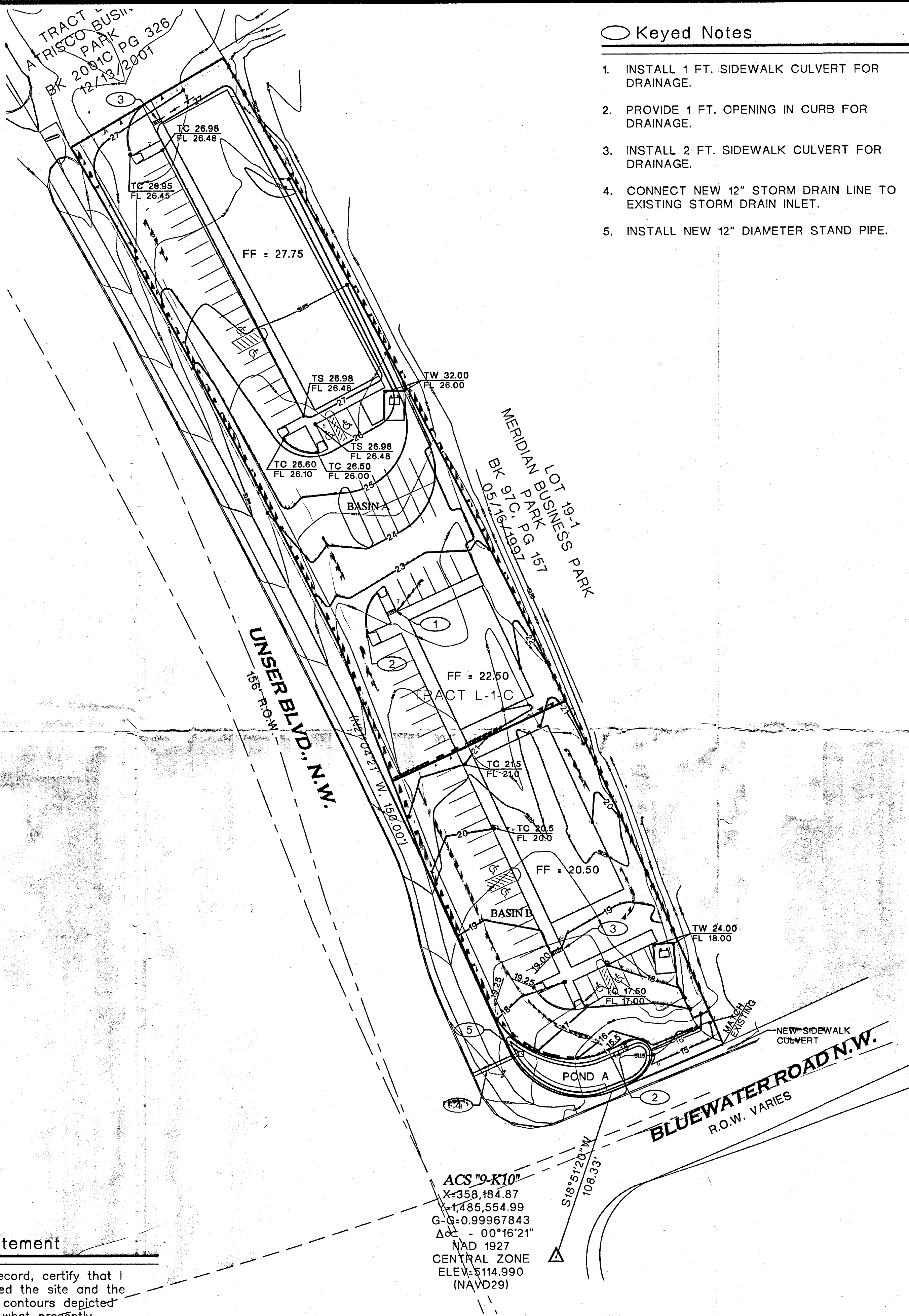
1. AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN THE CITY RIGHT-OF-WAY. AN APPROVED COPY OF THESE PLANS MUST BE SUBMITTED AT THE TIME OF APPLICATION FOR THIS PERMIT.
2. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED WITHIN THE CITY RIGHT-OF-WAY SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH C.O.A. STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION 1986.
3. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR MUST CONTACT LINE LOCATING SERVICE 260-1990, 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 OR SURVEYOR SO THAT THE CONFLICT CAN BE RESOLVED WITH MINIMUM AMOUNT OF DELAY.
5. BACKFILL COMPACTION SHALL BE ACCORDING TO ARTERIAL STREET USE.
6. MAINTENANCE OF THESE FACILITIES SHALL BE THE RESPONSIBILITY OF THE OWNER SERVED.

- ☐ ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING.
- ☐ BACKFILL COMPACTION SHALL BE ACCORDING TO ARTERIAL 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 DERESSED FOR A DRIVEPAD OR A HANDICAP RAMP, THE DRIVEPAD OR RAMP SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF THE CURB AND CUTTER.
- ☒ ALL STORM DRAINAGE FACILITIES SHALL BE COMPLETED, INSPECTED AND APPROVED PRIOR TO FINAL ACCEPTANCE.

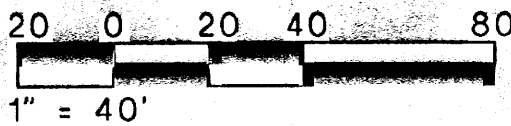
APPROVALS	ENGINEERS	DATE	
A.C.E./DESIGN			
INSPECTOR			
A.C.E./FIELD			

I, the Engineer of record, certify that I have personally visited the site and the existing grades and contours depicted on this plan match what presently exists at the present location

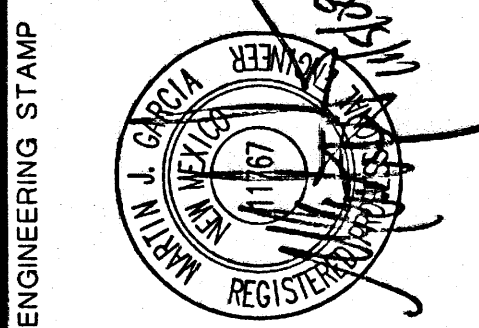
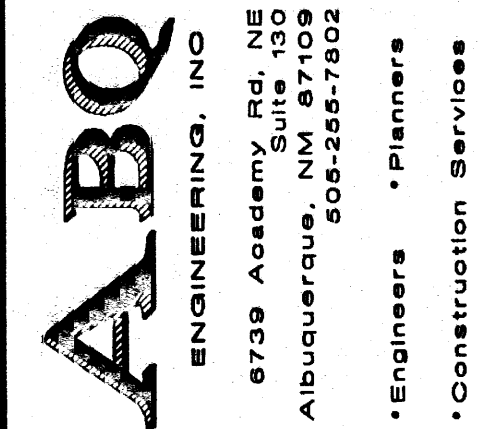
Roni G. Booth, NMPE# 5853



SCALE: 1" = 40'



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DO NOT SCALE DRAWINGS
CONTRACTOR TO VERIFY ALL
EXISTING CONDITIONS AND
DIMENSIONS- NOTIFY
ENGINEER/ARCHITECT OF ANY
DISCREPANCIES PRIOR TO
BEGINNING CONSTRUCTION

THESE DRAWINGS AS
INSTRUMENTS OF SERVICE
REMAIN THE PROPERTY OF THE
ENGINEER. ANY CHANGES,
PUBLICATION OR UNAUTHORIZED
USE IS PROHIBITED UNLESS
EXPRESSLY APPROVED BY THE
ENGINEER.

TRACTS L-1-C-1 & L-1-C-2
UNSER BLVD & BLUEWATER ROAD
GRADING PLAN
ALBUQUERQUE, NM

[illegible]

GRADING PLAN

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