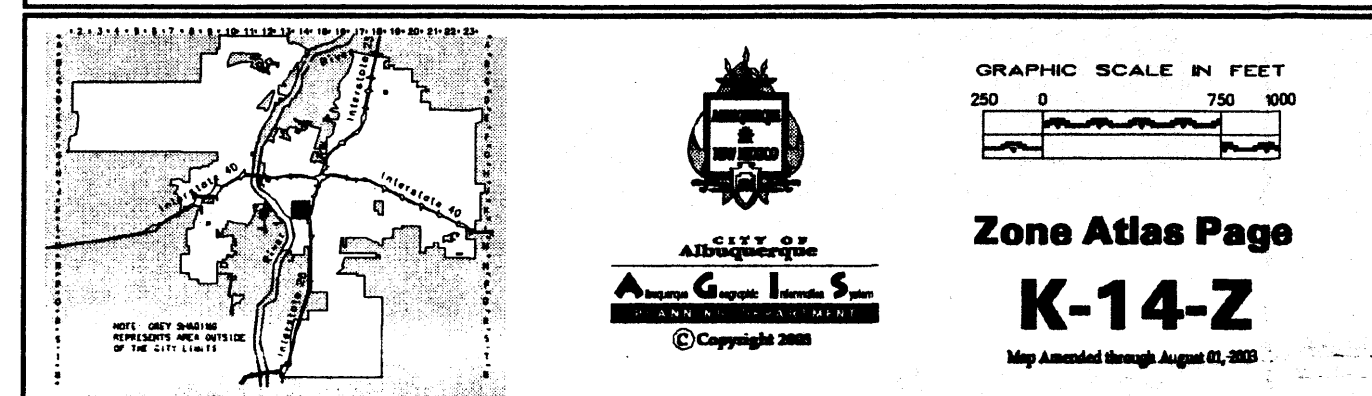
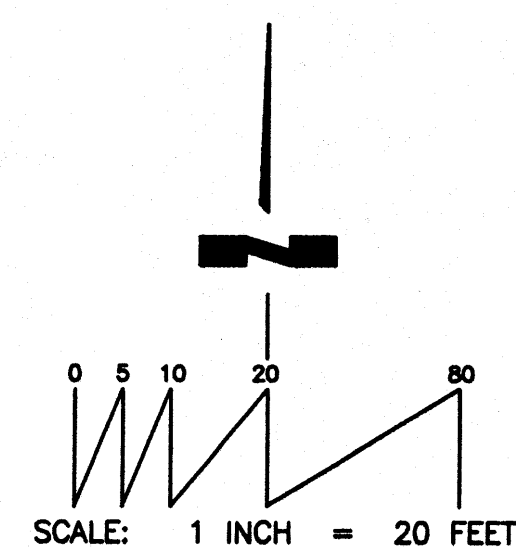
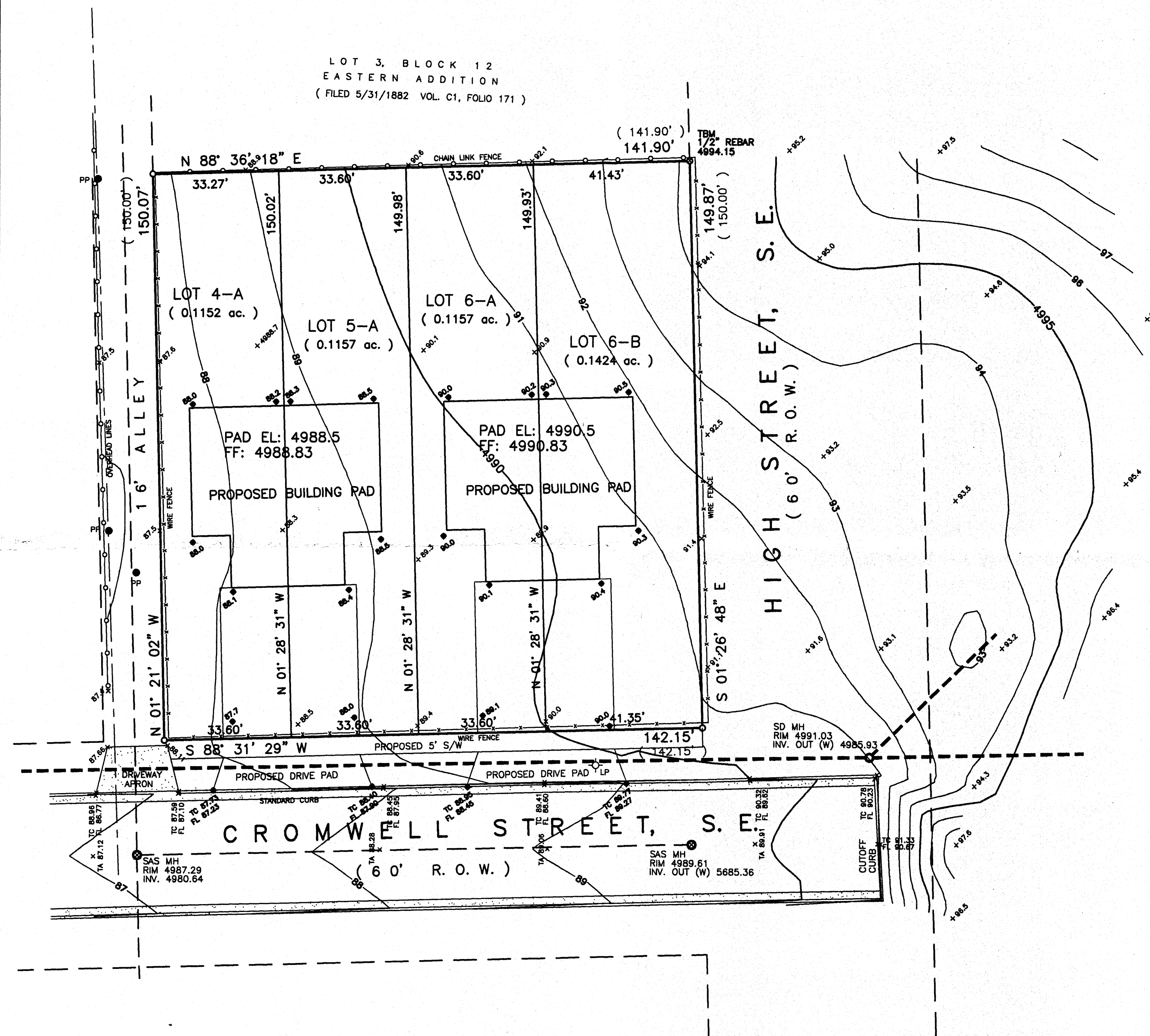


VICINITY MAP (K-14-Z)



LEGEND

- 5565 — EXISTING INDEX CONTOURS @ 5' INTERVALS
- 65 — EXISTING INTERMEDIATE CONTOURS @ 1' INTERVALS
- + 65 — PROPOSED CONTOURS @ 1.0' INTERVALS
- + 65.0 — EXISTING SPOT ELEVATION
- + 65.0 — PROPOSED SPOT ELEVATION
- FLOW LINE
- PROPOSED NEW CONCRETE SURFACING
- PROPOSED BUILDING
- MH MANHOLE
- SAS SANITARY SEWER
- SD STORM DRAIN
- PP POWER POLE
- LP LIGHT POLE
- OVERHEAD POWER LINE
- CHAIN LINK FENCE
- WIRE FENCE
- STORM DRAIN LINE
- SANITARY SEWER



LEGAL DESCRIPTION/FLOOD NOTE

Lots numbered Four-A (4-A), Five-A (5-A), Six-A (6-A) and Six-B (6-B) in Block numbered of the replat of Lots 4, 5 and 6, Block 12 of the EASTERN ADDITION, Albuquerque, New Mexico, as the same are shown and designated on said replat, filed in the office of the County Clerk of Bernalillo County, New Mexico on (recording pending).

The above described property is located within Zone X (no hazard), Community Panel No. 350002 0334 E, dated Nov. 19, 2003, and is not located within a Special Flood Hazard Boundary indicated by FEMA Flood Insurance Rate Maps. Determination of Flood Hazard is by graphic plotting only.

DRAINAGE DATA

THIS SITE LIES WITHIN PRECIPITATION ZONE 2

Condition	Storm Return Period, Table 4 (Years)	Treatment Type	Treatment Area (sq. ft.)	Excess Precip. Table A-8 (in.)	Peak Runoff Table A-9 (cfs/ac)	Runoff Volume (cu. Ft.)	Runoff Rate (cfs)
EXISTING	100	A	21,300	0.66	1.87	1,171.5	0.91
		B	0	0.92	2.60	0.0	0.00
		C	0	1.29	3.45	0.0	0.00
		D	0	2.36	5.02	0.0	0.00
EXISTING	10	A	21,300	0.19	0.58	337.3	0.28
		B	0	0.36	1.19	0.0	0.00
		C	0	0.62	2.00	0.0	0.00
		D	0	1.50	3.39	0.0	0.00
DEVELOPED	100	A	0	0.66	1.87	0.0	0.00
		B	14,180	0.92	2.60	1,087.1	0.85
		C	0	1.29	3.45	0.0	0.00
		D	7,120	2.36	5.02	1,400.3	0.82
DEVELOPED	10	A	0	0.19	0.58	0.0	0.00
		B	14,180	0.36	1.19	425.4	0.39
		C	0	0.62	2.00	0.0	0.00
		D	7,120	1.50	3.39	890.0	0.55

FLOW RATE INCREASES (100-YR) = 1,171.5 0.9
 FLOW RATE INCREASES (10-YR) = 337.3 0.3
 6-HOUR RUNOFF INCREASE (100-YR) = 2,487.4 1.7
 6-HOUR RUNOFF INCREASE (10-YR) = 1,315.4 0.9

FLOW RATE INCREASES OF 0.9 CFS AND 0.3 CFS FOR THE 100-YEAR AND 10 YEAR STORMS MAY BE EXPECTED. THE 6-HOUR RUNOFF VOLUMES WILL INCREASE BY 2,487.4 CUBIC FEET FOR THE 100-YEAR STORM & 1,315.4 CUBIC FEET FOR THE 10-YEAR STORM.

BENCH MARK

Benchmark is ACS Monument "1-25-28", NGVD 1929 ELEVATION 5019.961, an aluminum disk, set on top of concrete post, west of Interstate 25 and located between Leach-Cool exit and Avenida Cesar Chavez exit.

DRAINAGE NOTES:

- ROOF DRAINAGE CONVEYED VIA GUTTERS AND DOWNSPOUTS
- ALL ELEVATIONS GIVEN ARE TO TOP OF PROPOSED GRADE

PROPOSED DEVELOPMENT

SINGLE FAMILY ATTACHED RESIDENTIAL WITH REQUIRED LANDSCAPING AND P-1 PARKING. AREAS WITH CONCRETE DRIVEWAY APRON AND SIDEWALKS AS SHOWN.

OFFSITE FLOWS

THERE ARE NO SIGNIFICANT OFFSITE FLOWS ENTERING THIS SITE.

STORMWATER ROUTING

SITE IS TO BE GRADED TO DIRECT SURFACE WATERS TO THE WESTERLY AND SOUTHERLY SIDES. FREE DISCHARGE INTO CROMWELL STREET RIGHT-OF-WAY VIA PROPOSED STANDARD RESIDENTIAL DRIVEWAY APRONS. ALL INTERIOR RUNOFF IS INTERCEPTED BY SWALES BETWEEN DETACHED DWELLINGS AND ROUTED TO THE DRIVEWAY APRONS.

NOTICE TO CONTRACTOR

PROPOSED CONTOURS SHOWN ARE TO FINISH SURFACES AND ARE PROVIDED FOR THE PURPOSE OF SHOWING FLOW ROUTING.

CONTRACTOR IS RESPONSIBLE FOR THE ABATEMENT OF SEDIMENT ONTO ADJOINING PUBLIC RIGHTS-OF-WAY DURING CONSTRUCTION AND FOR THE REMOVAL OF ANY SEDIMENT DEPOSITED IN PUBLIC RIGHT-OF-WAY.

CONTRACTOR SHALL OBTAIN A "TOPSOIL DISTURBANCE PERMIT" PRIOR TO ANY GRADING OR CONSTRUCTION.

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 CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION, AS AMENDED THROUGH UPDATE #5.
3. TWO WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE 260-1890 FOR LOCATION OF EXISTING UTILITIES.
4. BACKFILL AND COMPACTION SHALL BE ACCORDING TO RESIDENTIAL STREET USE.
5. MAINTENANCE OF THESE FACILITIES SHALL BE THE RESPONSIBILITY OF THE OWNER(S) OF THE PROPERTY SERVED.

DRAINAGE AND GRADING PLAN

CROMWELL STREET, S. E.
 LOTS 4-A, 5-A, 6-A, AND 6-B, BLOCK 12, EASTERN ADDITION
 FOR: HABITAT FOR HUMANITY

TGC ENGINEERING, INC. (505)266-7256
 330 LOUISIANA BLVD. NE
 ALBUQUERQUE, NM 87108
 Fax: (505) 255-2887

I, DAVID GATTERMAN, NEW MEXICO REGISTERED PROFESSIONAL ENGINEER NO. 14920, DO HEREBY CERTIFY THAT I INSPECTED THIS SITE ON SEPTEMBER 1, 2004, AND THAT, AS OF THAT DATE, THERE HAD BEEN NO RECENT ALTERATION OF GRADE OR EVIDENCE OF GRADING OPERATIONS ON THIS SITE.

DAVID GATTERMAN, NMPE NO. 14920



9/06/2004

