

## HYDROLOGY CALCULATIONS

ALBUQUERQUE, NM DFM (JANUARY, 1993) CRITERIA - SIMPLE PROCEDURE  
PRECIPITATION ZONE 2 - PER DFM 222100 - YR Design Storm (P) Depth (in)  
1hr 2.01 6hr 2.35 24hr 2.75 4day 3.30 10day 3.95

| EXISTING CONDITIONS | TREATMENT | TRMT | AREA    | F6       | Q     | Q     | V6    | V24   | V4day | V10day |
|---------------------|-----------|------|---------|----------|-------|-------|-------|-------|-------|--------|
| CLASS               | %         | (AC) | (IN/AC) | (CF8/AC) | (CF8) | (CF)  | (CF)  | (CF)  | (CF)  | (CF)   |
| B                   | 45.23     | 1024 | 0.78    | 2.28     | 2335  | 2899  | 2899  | 2899  | 2899  | 2899   |
| D                   | 54.77     | 1240 | 2.12    | 4.70     | 5820  | 9543  | 11343 | 13819 | 16745 | 19644  |
| TOTALS:             | 100       | 2264 |         |          | 8163  | 12442 | 14242 | 16718 | 19644 |        |

| PROPOSED CONDITIONS | TREATMENT | TRMT  | AREA    | F6       | Q     | Q     | V6    | V24   | V4day | V10day |
|---------------------|-----------|-------|---------|----------|-------|-------|-------|-------|-------|--------|
| CLASS               | %         | (AC)  | (IN/AC) | (CF8/AC) | (CF8) | (CF)  | (CF)  | (CF)  | (CF)  | (CF)   |
| B                   | 58.10     | 0.934 | 0.78    | 2.28     | 213   | 2644  | 2644  | 2644  | 2644  | 2644   |
| D                   | 41.90     | 1330  | 2.12    | 4.70     | 625   | 10235 | 12166 | 14822 | 17960 | 20604  |
| TOTALS:             | 100       | 2264  |         |          | 838   | 12879 | 14810 | 17466 | 20604 |        |

## LEGEND

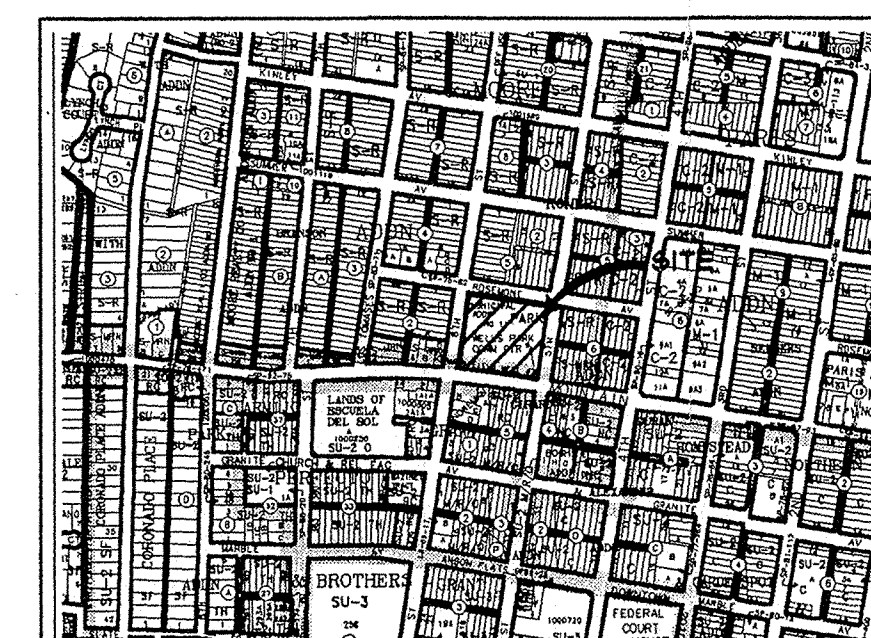
- PROPERTY LINE  
- - - 4958 - - EXISTING CONTOUR  
- - - 58 - - PROPOSED CONTOUR  
[ ] NEW BUILDING  
[ ] EXISTING BUILDING  
58.40 PROPOSED SPOT ELEVATION  
58.56 EXISTING SPOT ELEVATION  
--- FLOW DIRECTION ARROW  
FL FLOWLINE  
FF FINISHED FLOOR  
FG FINISHED GRADE  
TC TOP OF CONCRETE  
(FV) FIELD VERIFY  
[ ] ROOF DRAIN  
[ ] PROPOSED CONCRETE PAVING

## KEYED NOTES

- 1/8" PER FOOT MINIMUM SLOPE
- 4" THICK, 4000 PSI AIR-ENTRAINED CONCRETE SLAB ON SUBGRADE COMPACTED TO 95% OF MAXIMUM DENSITY REINFORCED WITH 6x6-W14x14 WWP.
- EXISTING CONCRETE SLAB TO REMAIN
- EXISTING SIDEWALK CULVERT TO REMAIN-REMOVE OBSTRUCTIONS AND DEBRIS
- NEW 12" WIDE SIDEWALK CULVERT PER CITY OF ALBUQUERQUE STANDARD DRAWING NO. 2236
- EXTEND NEW SIDEWALK CULVERT PER CITY OF ALBUQUERQUE STANDARD DRAWING NO. 2236, MATCH WIDTH OF EXISTING CULVERT. EXTEND EXISTING CULVERT ACROSS NEW SIDEWALK.

I, MIKE WALLA NMPE 11030, OF THE FIRM WALLA ENGINEERING, LTD., HEREBY CERTIFY THAT THIS PROJECT HAS BEEN GRADED AND WILL DRAIN IN SUBSTANTIAL COMPLIANCE WITH AND IN ACCORDANCE WITH THE DESIGN INTENT OF THE APPROVED PLAN DATED 4-18-02. THE RECORD INFORMATION EDITED ONTO THE ORIGINAL DESIGN DOCUMENT HAS BEEN OBTAINED FROM JOAQUIN ARGUELLES JR. NMPLS 1412. I FURTHER CERTIFY THAT I HAVE PERSONALLY VISITED THE PROJECT SITE ON 6-1-06 AND HAVE DETERMINED BY VISUAL INSPECTION THAT THE SURVEY DATA PROVIDED IS REPRESENTATIVE OF ACTUAL SITE CONDITIONS AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. THIS CERTIFICATION IS SUBMITTED IN SUPPORT OF A REQUEST FOR CERTIFICATION OF OCCUPANCY. THE RECORD INFORMATION PRESENTED HEREON IS NOT NECESSARILY COMPLETE AND INTENDED ONLY TO VERIFY SUBSTANTIAL COMPLIANCE OF THE GRADING AND DRAINAGE ASPECTS OF THE PROJECT. THOSE RELYING ON THIS RECORD DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ITS ACCURACY BEFORE USING IT FOR ANY OTHER PURPOSE.

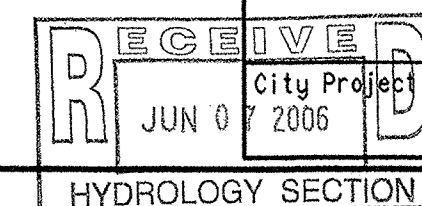
Mike Walla  
6/2/06  
DATE



VICINITY MAP J-14

## GRADING AND DRAINAGE PLAN

1"=20'



568502

J-14-Z

C-2.0

**Walla** Structural Engineering  
ENGINEERING LTD. Civil Engineering  
6100 Indian School Road NE, Suite 210  
Albuquerque, New Mexico 87110  
881-3008 • Facsimile 884-5390

LEE GAMESKY ARCHITECT P.C.

2412 MILES ROAD SE  
ALBUQUERQUE, NM 87106  
505-842-8865 FAX 505-842-1693  
lga@swcp.comFILE  
Wells Park  
C2-0.dwgCITY OF ALBUQUERQUE  
FAMILY AND COMMUNITY SERVICES DEPARTMENTTITLE: WELLS PARK COMMUNITY CENTER ADDITIONS & ALTERATIONS  
GRADING AND DRAINAGE PLANDesign Review Committee City Engineer Approval  
NO. /DAY/YR 3.29.02NO. /DAY/YR  
Last Design UpdateDESIGNED BY: MW DATE: 3/29/02  
DRAWN BY: LK DATE: 3/29/02  
CHECKED BY: MW DATE: 3/29/02

| AS BUILT INFORMATION   |       | BENCH MARK            |       | SURVEY INFORMATION                                                                                            |       | FIELD NOTES                                         |       | REVISIONS/REMARKS |       | BY  |       | DATE |       |
|------------------------|-------|-----------------------|-------|---------------------------------------------------------------------------------------------------------------|-------|-----------------------------------------------------|-------|-------------------|-------|-----|-------|------|-------|
| CONTRACTOR             | DATE: | WORK STAKED BY        | DATE: | INSPECTOR'S APPROVAL                                                                                          | DATE: | FIELD VERIFICATION BY                               | DATE: | NO.               | DATE: | NO. | DATE: | NO.  | DATE: |
| INSPECTOR'S APPROVAL   | DATE: | FIELD VERIFICATION BY | DATE: | ELEVATIONS SHOWN ARE SLD 1929 ELEVATIONS BASED ON CITY OF ALBUQUERQUE BENCH MARK "12-J14" ELEVATION = 4957.76 | DATE: | ALBUQUERQUE BENCH MARK "12-J14" ELEVATION = 4957.76 | DATE: |                   |       |     |       |      |       |
| MICRO-FILM INFORMATION | DATE: | RECORDED BY           | DATE: |                                                                                                               |       |                                                     |       |                   |       |     |       |      |       |
| NO.                    |       |                       |       |                                                                                                               |       |                                                     |       |                   |       |     |       |      |       |

