

ALLEY SECTION DETAIL  
(DWG P-5-3)  
PROJECT NO.

PARIS ADDITION  
BLOCK 5  
Filed Oct. 28, 1985

1. EXISTING STREET SECTION TO BE USED ONLY WHERE SHOWN BY DRAINAGE.
2. FOR HEAVY COMMERCIAL OR INDUSTRIAL ALLEYS, USE MATERIAL PAVING, SEE DWG. P-4.
3. FOR RESIDENTIAL OR LIGHT COMMERCIAL ALLEYS, USE RESIDENTIAL PAVING, SEE DWG. P-2.
4. ROW REQUIREMENTS TO BE ESTABLISHED ACCORDING TO THE SUBDIVISION ORDINANCE, DESIGN OF SIDEWALKS, DRIVEWAYS AND DRAINAGE FACILITIES, AND APPURTENANCE LOCATION SHALL BE ON AN INDIVIDUAL SITE SPECIFIC BASIS. DETAILS FOR SIDEWALKS, DRIVEWAYS, DRIVEWAY LOCATIONS, DITCHES, AND OTHER DRAINAGE FACILITIES SHALL BE AS SHOWN ON THE SPECIFIC CONSTRUCTION PLANS.
5. FOR PAVING SECTIONS, SEE DWG. P-7.
6. SEE NOTE 4.
7. ESTATE TYPE MOUNTABLE CURB, SEE DWG. P-8.
8. ASPHALTIC CONCRETE, SEE DWG. P-7.
9. 4" COMPACTED SUBGRADE.
10. 4" COMPACTED SUBGRADE.
11. 4" IN T.C.C. CUT-OFF WALL.
12. INVERTED DRAIN, UNLESS OTHERWISE DIRECTED OR REQUIRED TO MATCH EXIST. PAVEMENT.
13. SEE NOTES E AND S.
14. PORTLAND CEMENT CONC.
15. 2" X 8" REDWOOD, MAY BE USED AS ALTERNATE TO F.

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#### GRADING AND DRAINAGE PLAN

FOR  
The North Fifty (50) feet of the West Seventeen (17) feet of Lot numbered Nineteen (19) and the North Fifty (50) feet of Lots numbered Twenty (20), Twenty-one (21), Twenty-two (22), Twenty-three (23) and Twenty four (24) in Block numbered Five (5) of the ROMERO ADDITION.

#### THAT INFORMATION

- I. References
- City of Albuquerque, Development Process Manual (1984), Volume 2, Design Criteria.
  - Soil Survey of Bernalillo County and Parts of Sandoval and Valencia Counties, New Mexico, U.S. Soil Conservation Service, Sheet C.
  - Flood Insurance Map, City of Albuquerque, New Mexico Panel.

#### II. General Information

- A. Site Location and Elevation Data
- Legal Description: Block 5 Paris Add'n
  - Total Site Area: .456 Ac. (Area A) + .164 Ac. (Area B)
  - City Address:
  - City Bench Mark: 16-114
  - County Zone Atlas: J-14
- B. Soil Type (Reference: 3) Glendale Loam
- C. Runoff Coefficient ("C" Factor) Reference: Plate 22.2 B-1
- D. Runoff Coefficient ("C" Factor) Reference: Plate 22.2 B-1
- Developed "C" Factor, assume the following values:
- | Type of Surface         | "C" Factor | Area (SF) | C x A  |
|-------------------------|------------|-----------|--------|
| Concrete                | .90        | 2,500     | 2,250  |
| Roof                    | .98        | 17,809    | 17,453 |
| Asphalt                 | .98        | 7,141     | 6,998  |
| Asphalt concrete paving |            | 27,450    | 26,951 |
- Weighted "C" Factor =  $\frac{\sum (C \times A)}{\sum A} = \frac{26,951}{27,450} = 0.982$

- E. Time of Concentration - Developed Area
- Watershed length L = 600 ft
- Watershed change in elevation h = 15.5 ft
- Watershed slope S = h/L = .025
- by Kirpich equation:  $T_c = .0078 (L^{.77}/S^{.385}) < 10$  minutes
- T<sub>c</sub> = 10 minutes minimum T<sub>c</sub> = 10.8 min

#### F. Intensity Reference: Plate

I =  $K_p \times S^{.084} \times T_c^{.484}$

Peak Discharge - Rational Method

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Q = .982(4.47)(.456) = 2.05 cfs

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FLOOD MAP PANEL NO. 28  
SITE IS NOT IN A FLOOD ZONE

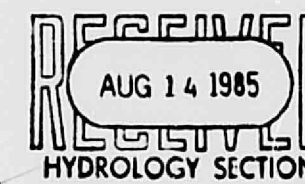
#### BENCHMARK INFORMATION

BM 16-J14, INTERSECTION OF 4th STREET AND CONSTITUTION N.W. IN THE N.W. QUADRANT OF THE INTERSECTION. A SQUARE CHISELED ON TOP OF CONCRETE CURB AT THE N.W. CURB RETURN. ELEVATION 4958.194.

TBM FF ELEVATION 4957.39

#### LEGEND

- 4957 — EXISTING CONTOUR LINE
- 4957 — PROPOSED CONTOUR LINE
- 4957 — EXISTING SPOT ELEVATIONS
- 4957 — PROPOSED SPOT ELEVATIONS
- 4957 — DRAINAGE AREA DIVISION LINE
- 4957 — FLOW DIRECTION
- 4957 — TOP OF CURB
- 4957 — TOP OF ASPHALT
- 4957 — NATURAL GROUND
- 4957 — INV. ELEVATION
- 4957 — FLOW LINE
- 4957 — DOWNSPOUT
- 4957 — EXISTING CHAINLINK FENCE
- 4957 — PAVED AREAS



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CITY OF ALBUQUERQUE

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