

THE FOLLOWING ITEMS CONCERNING 1441 CARLISLE BLVD. NE (LOT 11,
BLOCK 5A HAINES ADDITION, COUNTY OF BERNALILLO, CITY OF
ALBUQUERQUE,NEW MEXICO) ARE CONTAINED HEREON:

- ### EXISTING CONDITIONS

AS SHOWN BY THE VICINITY MAP, THE SITE IS LOCATED ON THE WEST SIDE OF CARLISLE BLVD. NE BETWEEN ASPEN AVENUE NE AND CONSTITUTION AVE. NE. AT PRESENT, THE SITE IS VACANT LAND. ACCORDING TO THE FLOOD INSURANCE RATE MAP, PANEL 0353D, DATED SEPTEMBER 20,1996, THE SITE IS NOT LOCATED WITHIN A DESIGNATED FLOOD ZONE.

AS SHOWN BY THE GRADING/PAVING PLAN, LOT 11 BLOCK 5A WILL BE DEVELOPED AS A PARKING LOT FOR ADDITIONAL PARKING FOR THE ALTURA MEDICAL CENTER (7810 SQ.FT.). ON-SITE FLOWS WILL BE ROUTED TO THE NORTHEAST CORNER OF THE PROPOSED PARKING LOT AND INTO A PROPOSED SIDEWALK CULVERT AND ONTO CARLISLE NE. THE PROCEDURE FOR 40 ACRES OR SMALLER BASINS, AS SET FORTH IN THE REVISION OF SECTION 22.2 HYDROLOGY OF THE DEVELOPMENT PROCESS MANUAL VOLUME II, DESIGN CRITERIA DATED 1997, HAS BEEN USED TO QUANTIFY THE PEAK RATE OF DISCHARGE AND VOLUME OF RUN-OFF GENERATED.

CARLISLE BLVD. NE SLOPES FROM SOUTH TO NORTH. THE INCREASE IS MINIMAL (.24 CFS). THERE IS AN EXISTING DROP INLET LOCATED AT THE SOUTHWEST QUADRANT OF THE INTERSECTION OF ASPEN AVE. AND CARLISLE BLVD. NE.

PRECIPITATION: 360= 2.35in.
1440= 2.75in.
10da= 3.95in.

TREATMENT A	0.53in.	1.56 cfs/ac.
TREATMENT B	0.78in.	2.28 cfs/ac.
TREATMENT C	1.13in.	3.14 cfs/ac.
TREATMENT D	2.12in.	4.70 cfs/ac.

TREATMENT A	0ac.	0ac.
TREATMENT B	0ac.	0ac.
TREATMENT C	0.17ac.	0.015ac.
TREATMENT D	0ac.	0.152ac.

$$\text{Weighted E} = 0.53 \times 0.00 + 0.78 \times 0.00 + 1.13 \times 0.17 + 2.12 \times 0.00 = 0.1921$$
$$Q_{100} = 1.56 \times 0.00 + 2.28 \times 0.00 + 3.14 \times 0.17 + 4.70 \times 0.00 = 0.53 \text{ cfs}$$
$$\text{Weighted E} = 0.53 \times 0.00 + 0.78 \times 0.00 + 1.13 \times 0.02 + 2.12 \times 0.15 = 0.76 \text{ ac.}$$
$$V_{100-360} = 0.45 \times 0.76 / 12.0 = 0.0282 \text{ ac-ft} = 1229 \text{ cf}$$
$$V_{100-1440} = 0.03) + 0.15) \times 2.75 - 2.35) / 12 = 0.0332 \text{ ac-ft} = 1449 \text{ cf}$$
$$V_{100-10\text{day}} = 0.03) + 0.15) \times 3.95 - 2.35) / 12 = 0.0484 \text{ ac-ft} = 2109 \text{ cf}$$

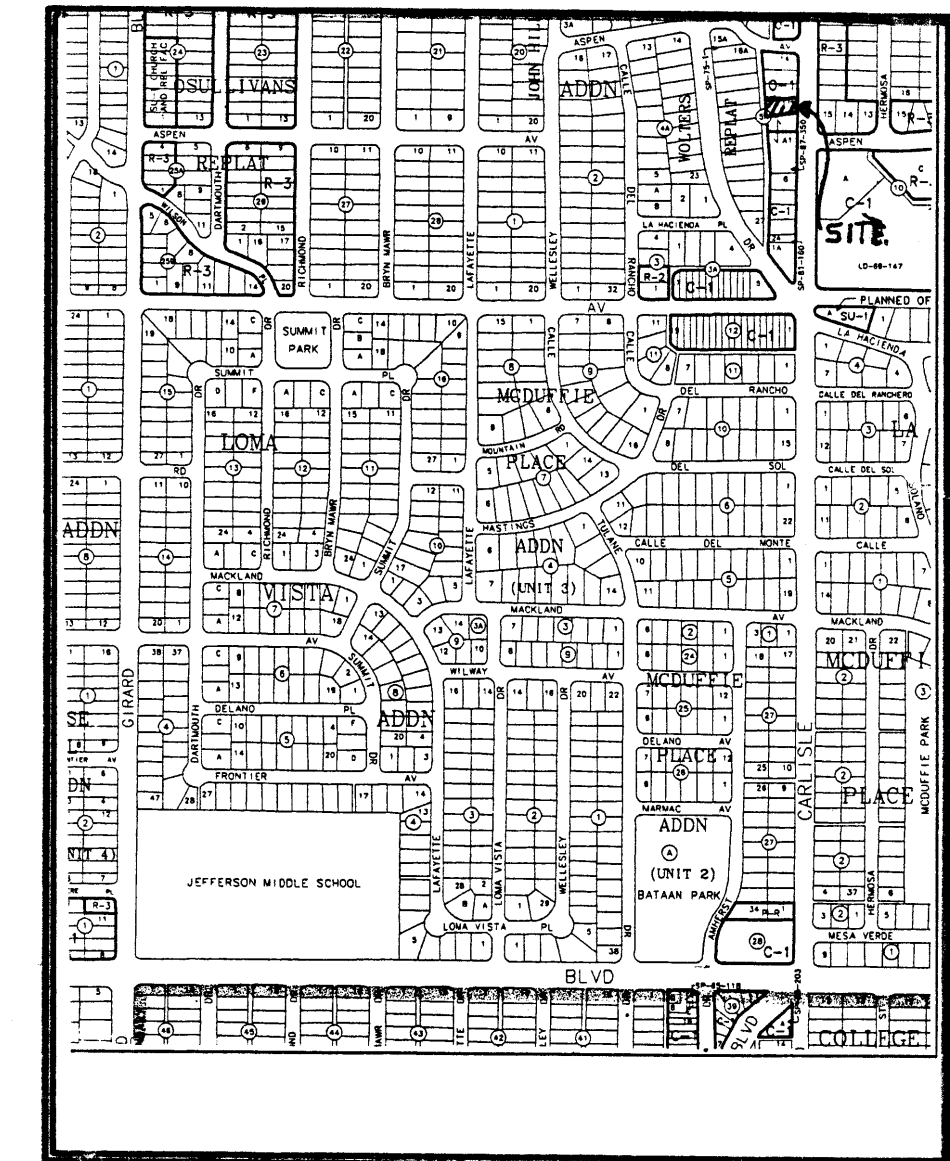
PROPOSED PEAK DISCHARGE:

$$Q_{100} = 1.56 \times 0.00 + 2.28 \times 0.00 + 3.14 \times 0.02 + 4.70 \times 0.15 = 0.77 \text{ cfs}$$

1. An excavation/construction permit will be required before beginning any work within the City right-of-way. Approved copy of this plan must be submitted at the time of application for permit.
2. All work detailed in this plan to be performed, except as otherwise stated or provided hereon, shall be constructed in accordance with City of Grants Standard Specification for Public Works Construction.
3. Two working days prior to any excavation, contractor must contact line locating Services for locating existing utilities.
4. Prior to construction, the contractor shall excavate and verify the horizontal and vertical location of all construction. Should 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 residential use.
6. All work on this project shall be performed in accordance with applicable Federal, State and local laws, rules and regulations concerning construction safety and health.
7. Maintenance of these facilities shall be the responsibility of the owner of the property served.

1. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR MANAGEMENT OF STORM RUN-OFF DURING CONSTRUCTION, HE SHALL ASSURE THAT THE FOLLOWING MEASURES ARE

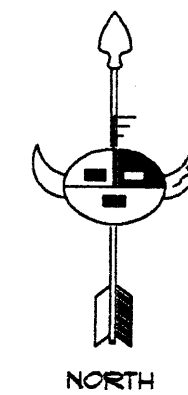
1. ADJACENT PROPERTY SHALL BE PROTECTED AT ALL TIMES BY TEMPORARY BERMS, DIKES, SWALES, AND OTHER TEMPORARY GRADING AS REQUIRED TO PREVENT STORM RUN-OFF FROM LEAVING THE SITE AND ENTERING ADJACENT PROPERTY.
2. ADJACENT PUBLIC RIGHT-OF-WAY SHALL BE PROTECTED AT ALL TIMES FROM STORM WATER RUN-OFF FROM THE SITE. NO SEDIMENT BEARING WATER SHALL BE PERMITTED TO ENTER THE PUBLIC STREETS.
2. THE CONTRACTOR SHALL IMMEDIATELY AND THOROUGHLY REMOVE ANY OR ALL SEDIMENT WITHIN THE PUBLIC STREETS THAT HAVE BEEN ERODED FROM THE SITE AND DEPOSITED THERE.



FIRM PANEL NO. 0353D

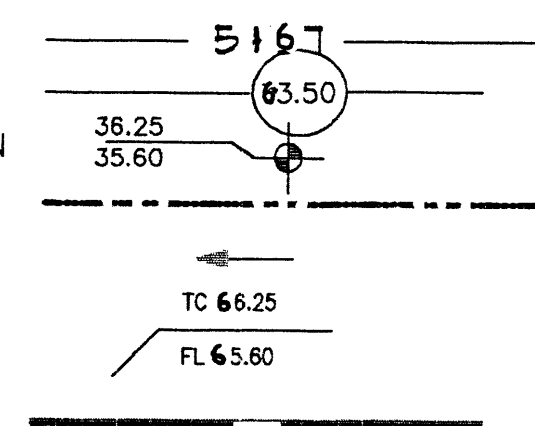
J-16-Z

NTS



GRADING/DRAINAGE P L A N 1' = 10'

EXISTING CONTOUR
PROPOSED CONTOUR
DESIGNED SPOT ELEVATION
PROPERTY LINE
FLOW DIRECTION
EXISTING SPOT ELEVATION
DOWN SPOUT □
RETAINING WALL



TOP OF CON. PAD	-	TCP
TOP OF CURB	-	TC
TOP OF ASPHALT	-	TA
FLOWLINE	-	FL
TOP OF WALL	-	TW

LOT 11 BLOCK 5A
HAINES PARK ADDITION
BERNALILLO COUNTY, ALBUQUERQUE
NEW MEXICO

13-J16 : LOCATED CORNER OF CONCRETE BASE
FOR A STREET LIGHT STANCHION ; SEE PLAN
ELEVATION 5165.33

APPROVAL	NAME	DATE	TITLE:
HYDROLOGY			
INSPECTOR			MAP NUMBER: J-16
A.C.E. / FIELD			

JOB NO:	
DATE:	
REVISIONS	
1	JULY 2000

Sheet Title

GRADING + PAVING PLAN

Drawn By: BJM	Checked By:
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**BJM DEVELOPMENT CONSULTANT
DESIGN - PLANNER**

Albuquerque, New Mexico

Project Name	ADDITIONAL PARKING FOR 1441 CARLISLE NE
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ALBUQUERQUE, NEW MEXICO

SHEET NO.

GD