

EROSION CONTROL MEASURES:

THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR MANAGEMENT OF STORM RUNOFF DURING CONSTRUCTION; HE SHALL INSURE THAT THE FOLLOWING MEASURES ARE TAKEN:

- ADJACENT PROPERTY SHALL BE PROTECTED AT ALL TIMES BY CONSTRUCTION OF BERMS, DIKES, SWALES, PONDS AND OTHER TEMPORARY GRADING AS REQUIRED TO PREVENT STORM RUNOFF TO LEAVE THE SITE AND ENTERING ADJACENT PROPERTY.
- ADJACENT PUBLIC RIGHT-OF-WAYS SHALL BE PROTECTED AT ALL TIMES FROM STORM WATER RUNOFF FROM THE SITE. NO SEDIMENT BEARING WATER SHALL BE PERMITTED TO ENTER THE PUBLIC STREETS.
- 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.

NOTE TO CONTRACTOR

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 Albuquerque Interim Standard Specification for Public Works Construction 1985.
3. Two working days prior to any excavation, contractor must contact the locating services at (505) 280-1990 for locating existing utilities.
4. Prior to construction, the contractor shall excavate and verify the horizontal and vertical location of all construction. Should a 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.

DRAINAGE CALCULATIONS:

I. REFERENCES:

- A. SECTION 22.2, HYDROLOGY OF THE DEVELOPMENT PROCESS MANUAL, VOLUME 2, DESIGN CRITERIA FOR THE CITY OF ALBUQUERQUE, NEW MEXICO IN COOPERATION WITH BERNALILLO COUNTY, NEW MEXICO AND THE ALBUQUERQUE METROPOLITAN ARROYO FLOOD CONTROL AUTHORITY.
- B. FLOODWAY, FLOOD BOUNDARY AND FLOODWAY MAP, CITY OF ALBUQUERQUE, NEW MEXICO, PANEL 22 OF 50.
- C. ZONE ATLAS PAGE H-13-2.

II. GENERAL INFORMATION:

- A. SITE LIES IN ZONE TWO(2) (SEE REF. A, PAGE A-1)
- B. 100 YEAR, 6 HOUR RAINFALL CRITERIA
- C. TIME OF CONCENTRATION, Tc; Tc = 0.2 hr(12 MINUTES).

III. IMPERVIOUSNESS:

TREATMENT	TYPES OF SURFACES	EXISTING SQ. FT	ACRES	PROPOSED SQ. FT	ACRES
A	UNDEVELOPED	19,532	0.4484	0	0.0000
B	LANDSCAPING	0	0.0000	2,311	0.0531
C	COMPACTED/VACANT	0	0.0000	0	0.0000
D	IMPERVIOUS	0	0.0000	17,221	0.3953
TOTAL AREA (TA)		19,532	0.4484	19,532	0.4484

IV. PEAK DISCHARGE 100 YEAR (REF. A, TABLE A-9):

TREATMENT	TYPES OF SURFACES	EXISTING CFS/Ac	Qp(100)	PROPOSED CFS/Ac	Qp(100)
A	UNDEVELOPED	1.59	0.71	1.59	0.00
B	LANDSCAPING	2.28	0.00	2.28	0.12
C	COMPACTED/VACANT	3.14	0.00	3.14	0.00
D	IMPERVIOUS	4.70	0.00	4.70	1.86
PEAK DISCHARGE FROM SITE		0.71	CFS	1.98	CFS

V. PEAK DISCHARGE 10 YEAR (REF. A, TABLE A-9):

TREATMENT	TYPES OF SURFACES	EXISTING CFS/Ac	Qp(10)	PROPOSED CFS/Ac	Qp(10)
A	UNDEVELOPED	0.38	0.17	0.38	0.00
B	LANDSCAPING	0.95	0.00	0.95	0.05
C	COMPACTED/VACANT	1.71	0.00	1.71	0.00
D	IMPERVIOUS	3.14	0.00	3.14	1.24
PEAK DISCHARGE FROM SITE		0.17	CFS	1.29	CFS

VI. WEIGHTED "E" 100 YEAR, 6 HR. (REF. A, TABLE A-8):

TREATMENT	TYPES OF SURFACES	EXISTING E	EXA/TA	PROPOSED E	EXA/TA
A	UNDEVELOPED	0.53	0.53	0.53	0.00
B	LANDSCAPING	0.78	0.00	0.78	0.09
C	COMPACTED/VACANT	1.13	0.00	1.13	0.00
D	IMPERVIOUS	2.12	0.00	2.12	1.87
WEIGHTED "E" FACTOR		0.53	IN	1.96	IN

VII. VOLUME 100 YEAR, V(360) (REF. A, TABLE A-8):

EXISTING	0.53 x 0.4484/12	0.02 AC. FT.	863 CU. FT.
PROPOSED	1.96 x 0.4484/12	0.07 AC. FT.	3,193 CU. FT.

