

DRAINPIPE

SECTION A-A

SCXCE: 1"=1'-0"

Q=CAVZgh

Q = 0.60 (0.0873) 1/2 (32.2) (0.50)

Q = 0.30 CFS (EACH) $\times 3 = 0.90$ CFS

Q = 0.90 CFS < 0.96 CFS ALLOWED

NATED ON THE PLAT THEREOF FILED IN THE OFFICE OF

ICO, ON MAY 11, 2004 IN PLAT BOOK 2004C, PAGE 149.

It is hereby certified that this property is NOT located within a 100 year flood hazard

Maps dated September 26, 2008. Zone X (500 year flood hazard) Panel 350002

boundary in accordance with current HUD Federal Administration Flood Hazard Boundary

THE COUNTY CLERK OF BERNALILLO COUNTY, NEW MEX-

A.1 PRECIPITATION ZONES

Pernelillo County's four precipitation zones are indicated in TABLE

Between the Rio Greate and San Man-

Batween San Mateo and Bishank, North of Interstate 40; and between San Mateo and the Bast boundary of Range 4 East; South of Interstate 40

Bast of Eubank, North of Interstate 40; and East of the Bast boundary of Range 4 Bast, South of Interstate 40

(1.84, 3.14)

(2.04, 3.41)

(2.21, 3.65)

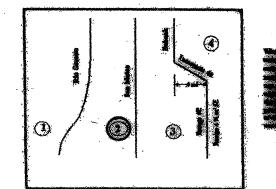
(2.34, 3.83)

West of the Riv Grand

DRAINAGE CERTIFICATION

, LEVI J. VSLDEZ NMPE X2593 of the firm , 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 11-21-13 . The record information edited onto the original design document has been obtained by ANTHONY HARD, NMPS 11463, of the firm HARRIS SURVEYINGS. I further certify that I have personally visited the project site on 11-05-14 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 this project. Those relying on this record document are advised to obtain independent verification of its accuracy before using it for any other purpose.



DRAINAGE COMMENTS:

AS SHOWN ON THE VICINITY MAP HEREON, THE SUBJECT SITE IS LOCATED ON THE NORTHEAST CORNER OF THE INTERSECTION OF FOURTH STREET N.W. AND SAN CLEMENTE AVENUE N.W., IN THE CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO, (ZONE ATLAS MAP "G-14-Z").

THE SUBJECT SITE, 1.) IS AN VACANT PROPERTY WITH TWO OLD BUILDINGS THAT ARE TO BE DEMOLISHED AND REPLACED WITH A NEW MIXED-USE DEVELOPMENT AND ASSOCIATED IMPROVEMENTS, 2.) DOES NOT ACCEPT OFF-SITE FLOWS FROM ADJACENT PROPERTIES, 3.) DOES NOT AND WILL NOT CON-TRIBUTE FLOWS TO ADJACENT PROPERTIES, 4.) DOES LIE ADJACENT TO A MAN MADE DRAINAGE CHANNEL, 5.) WILL FREE-DISCHARGE DEVELOPED FLOWS INTO THE ADJACENT STREET RIGHT-OF-WAY, SAID FLOWS WILL NOT HAVE AN ADVERSE IMPACT TO DOWNSTREAM PROPERTIES.

SITÉ AREA = 0.58 ACRE ZONE: TWO (2) PRECIPITATION: 360 = 2.35 in.1440 = 2.75 in. 10day = 3.95 in.

EXCESS PRECIPTATION:		PEAK DISCHARGE:
TREATMENT A	0.53 in.	1.56 cfs/ac.
TREATMENT B	0.78 in.	2.28 cfs/ac.
TREATMENT C	1.13 in.	3.14 cfs/ac.
TREATMENT D	2.12 in.	4.70 cfs/ac.

EXISTING CONDITIONS: PROPOSED CONDITIONS **AREA** TREATMENT A 0.00 ac. 0.00 ac. TREATMENT B 0.00 ac. 0.00 ac. TREATMENT C 0.47 ac. 0.08 ac.

EXISTING EXCESS PRECIPITATION:

0.11 ac.

TREATMENT D

Weighted E= (0.53)x(0.00)+(0.78)x(0.00)+(1.13)x(0.47)+(2.12)x(0.11)/0.58V100-360= (1.31)x(0.58)/12 = 0.063317 ac-ft = 2,758.1 cf

EXISTING PEAK DISCHARGE:

Q100= (1.56)x(0.00)+(2.28)x(0.00)+(3.14)x(0.47)+(4.70)x(0.11) = 2.00 cfs

0.50 ac.

PROPOSED EXCESS PRECIPITATION:

Weighted E= (0.53)x(0.00)+(0.78)x(0.00)+(1.13)x(0.08)+(2.12)x(0.50)/0.58

V100-360= (1.98)x(0.58)/12.0 = 0.09570 ac-ft = 4,168.7 cf

V100-1440 = (0.28)+(1.91)x(2.75-2.35)/12 = 0.343667 ac-ft = 14,970.0 cf

V100-10day= (0.28)+(1.91)x(3.95-2.35)/12 = 0.534667 ac-ft = 23,290.0 cf

PROPOSED PEAK DISCHARGE:

Q100= (1.56)x(0.00)+(2.28)x(0.00)+(3.14)x(0.08)+(4.70)x(0.50) = 2.60 cfs

INCREASE: V100-360 = 1,410.6 cf

(HOVENBER, 2014) "EXIGILIEER'S CERTIFICATION"



A PROPOSED PLAN MIXED-USE DEVELOPMENT (4322 FOURTH STREET N.W.) ALBUQUERQUE, NEW MEXICO JULY, 2013

ENGINEER SEAL

GRADING AND DRAINAGE PLAN

the locations of all obstructions. Should a conflict exist, the

5. Backfill compaction shall be according to traffic/street use.

6. Maintenance of the facility shall be the responsibility of the

7. Work on arterial streets shall be performed on a 24-hour basis.

resolved with a minimum amount of delay.

owner of the property being served.

contractor shall notify the engineer so that the conflict can be

CITY OF ALBUQUERQUE

November 17, 2014



Levi J. Valdez, PE George T Rodriguez-Development Consultant 12800 San Juan Rd. SE Albuquerque, NM 87123

Re: 4322 4th St NW

Request Permanent C.O. - Accepted

Engineer's Stamp dated: 11-21-13 (G14D071)

Certification dated: 11-12-14

Dear Mr. Valdez,

Based on the Certification received 11/14/2014, the site is acceptable for release of Certificate of Occupancy by Hydrology.

If you have any questions, you can contact me at 924-3695 or Rudy Rael at 924-3977.

PO Box 1293

Sincerely,

Albuquerque

Curtis Cherne, P.E.

Principal Engineer, Planning Dept. Development and Review Services

New Mexico 87103

RR/CC

C:

email

www.cabq.gov