Abiel X. Carrillo

From: Abiel X. Carrillo
Sent: Tuesday, March 15, 2016 11:25 AM
To: 'nateg@mountainsideaerial.com'
Cc: Elliott, Stanice
Subject: 3504 Montgomery NE - Grading and Drainage Exhibit for paving

Mr. Geoffrion,

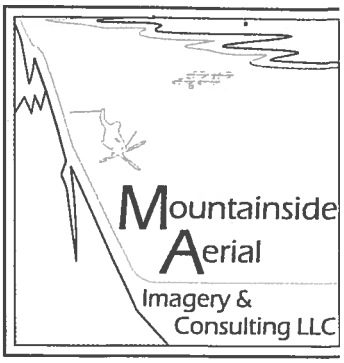
After reviewing your proposed project (over the counter) at the above-referenced location, we understand that the project will not significantly change the general grading of the site. The net increase in paved surface is less than 2000 SF, and you are not in a flood hazard zone (Zone X for this site).

As such, the project is approved for paving.

If during construction it is determined that the general grading pattern needs to be changed, or more than 2000 SF of net increase in paving will be completed, please coordinate with Hydrology Planning to ensure that the changes will not require an additional submittal.

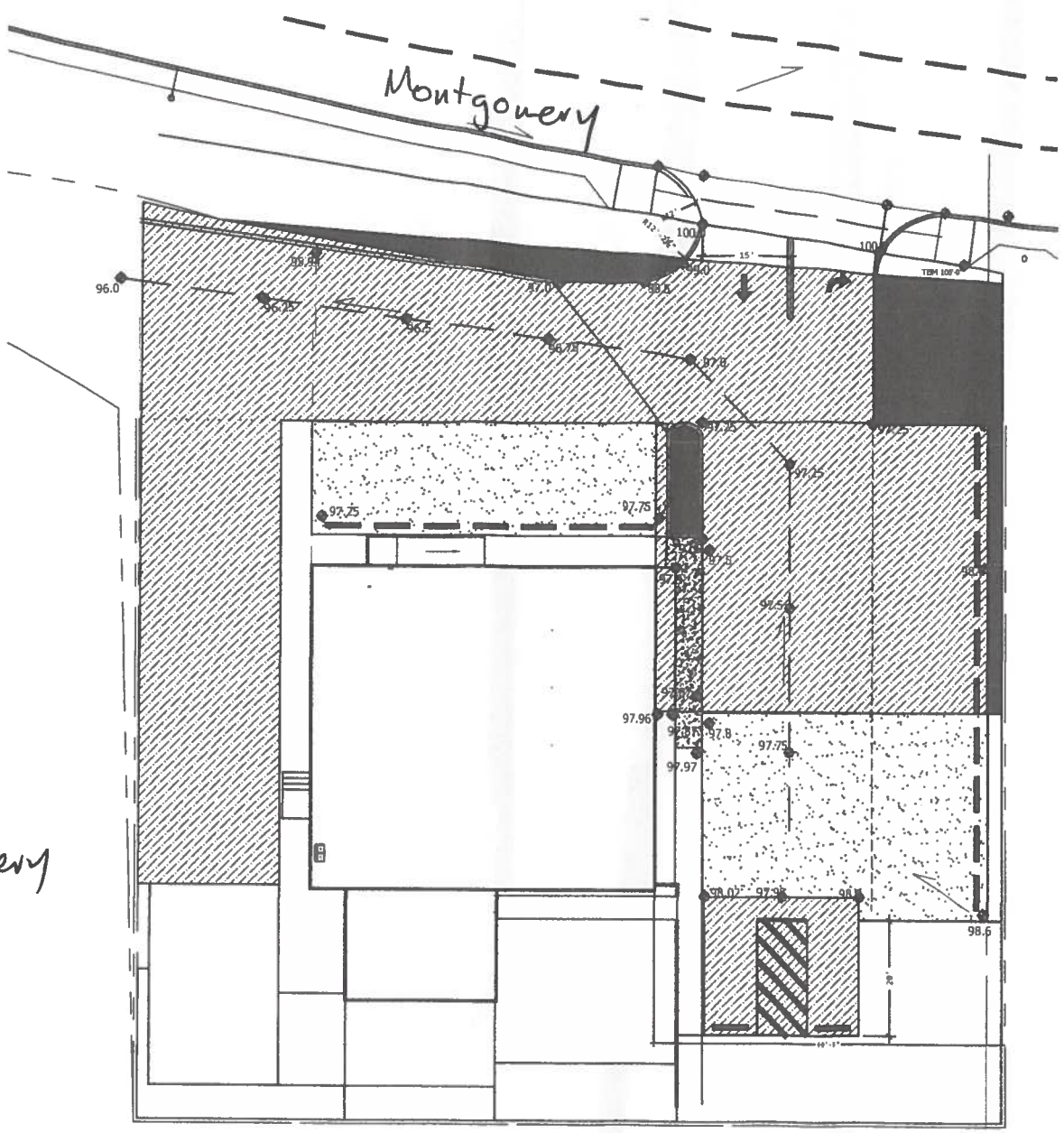
Abiel Carrillo, P.E.

Principal Engineer - Hydrology
Planning Department
Development Review Services Division
City of Albuquerque
505-924-3986
acarrillo@cabq.gov
600 2nd Street NW
Albuquerque, NM 87102



Aerial Photography - Videography
Construction & Design Consulting
Building Information Modeling
& Drafting

Nate Geoffrion
(505) 804-1118
NateG@MountainsideAerial.com



AO

35
5304
Montgomery
NE

9287.466 SQUARE FT. EXISTING PAVED SURFACE

REDUCTIONS= 116.953 SQUARE FT.
686.750 SQUARE FT.
255.095 SQUARE FT.
=1083.681 SQUARE FT.

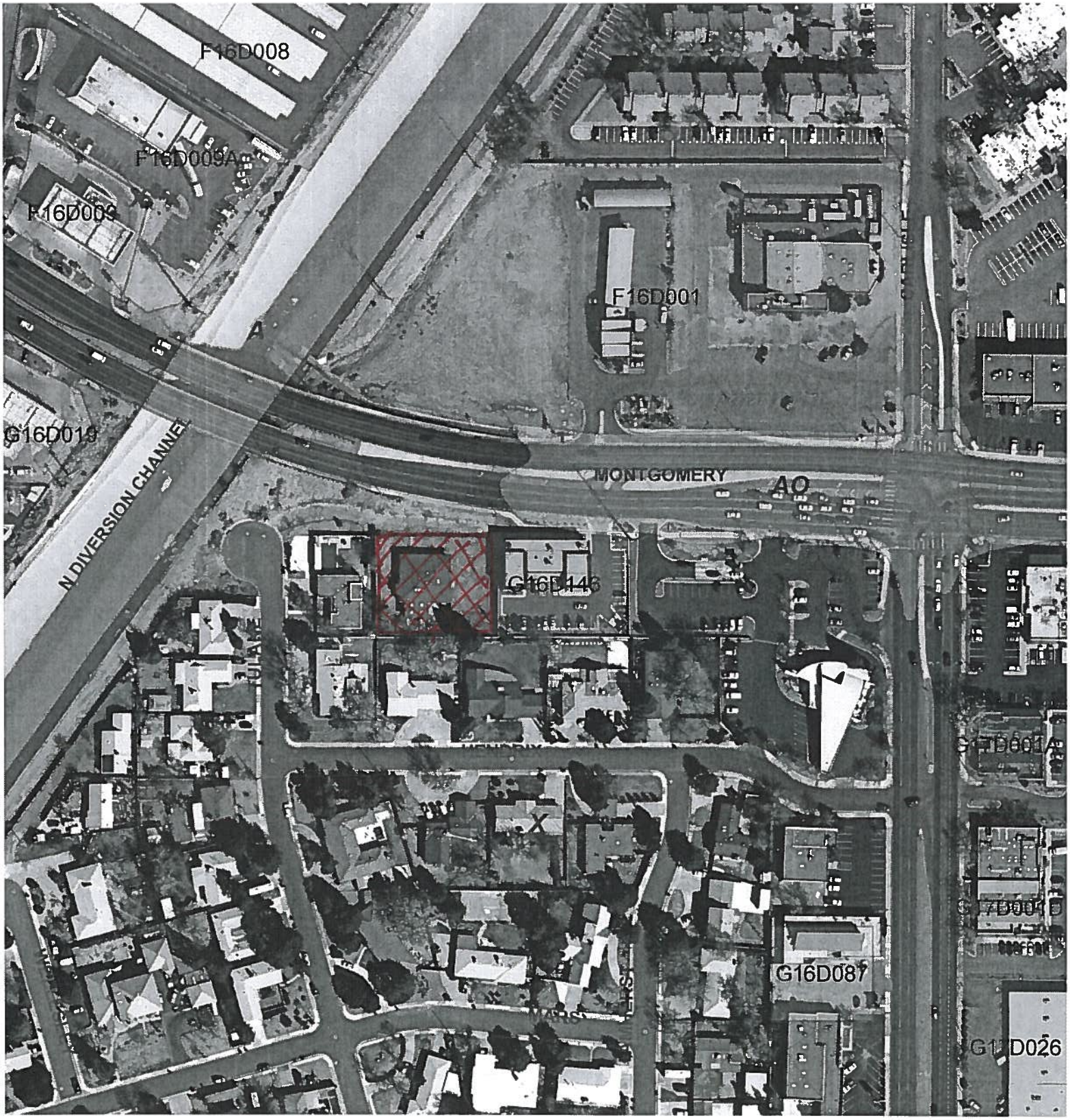
ADDITIONS= 1240.288 SQUARE FT.
1683.433 SQUARE FT.
=2923.721 SQUARE FT.
2923.721 SQUARE FT.
-1083.681 SQUARE FT.
1840.04 SQUARE FT. – Net increase

NET INCREASE=1840.04 SQUARE FT.=.042 ACRE
PEAK FLOW INCREASE =
0.042 ACRE X .9 X 2"/HR= 0.075 CFS

ADDITIONALLY DRAINAGE DOWN THE EXISTING FRONTAGE FLOWS DIRECTLY INTO THE AMAFCA DRAINAGE SYSTEM INLET AT THE CUL-DE-SAC AND DOES NOT IMPACT OTHER PROPERTIES DOWNSLOPE

ZONE X

SWOP PAVING PLAN DRAINAGE CALCULATIONS 1"=30' 3/9/16


F16D008
F16D009A
F16D009
F16D001
G16D019
N.DIVERSION CHANNEL
MONTGOMERY
AO
G16D146
G16D087
G16D026

Site