

CITY OF ALBUQUERQUE



January 10, 2017

Scott McGee, PE
Scott M. McGee PE, LLC
9700 Tanoan Dr. NE
Albuquerque, NM 87111

**Re: SolAero Phase 2
1600 Eubank SE
Requested for Permanent C. O. - Accepted
Engineers Stamp Date 8/11/16 (M21D019)
Certification dated: 1-5-17**

Dear Mr. McGee,

Based on the Certification received on 1/7/2017, the site is acceptable for release of Certificate of Occupancy by Hydrology.

PO Box 1293

If you have any questions, you can contact me at 924-3999 or Totten Elliott at 924-3982.

Albuquerque

Sincerely,

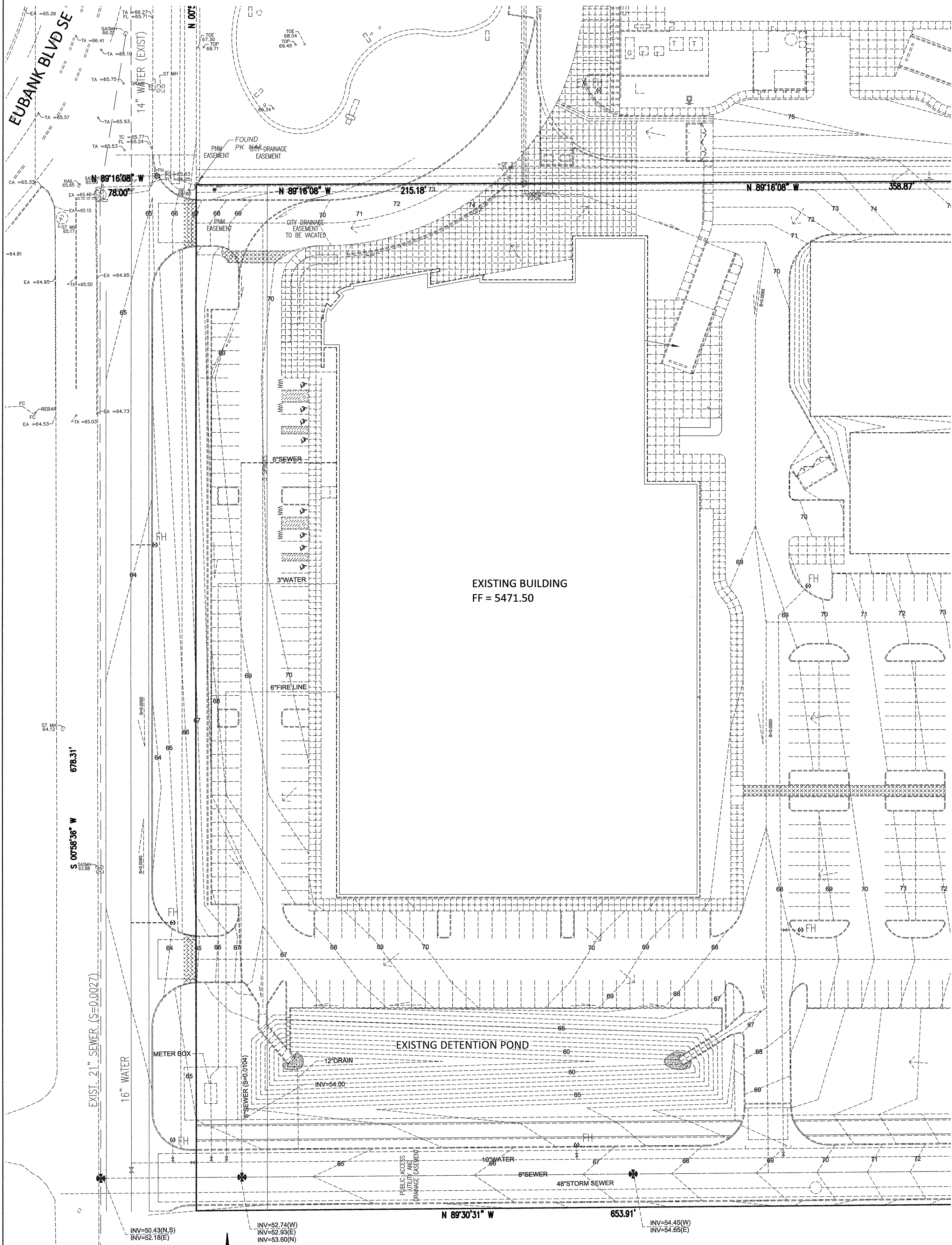
New Mexico 87103

www.cabq.gov

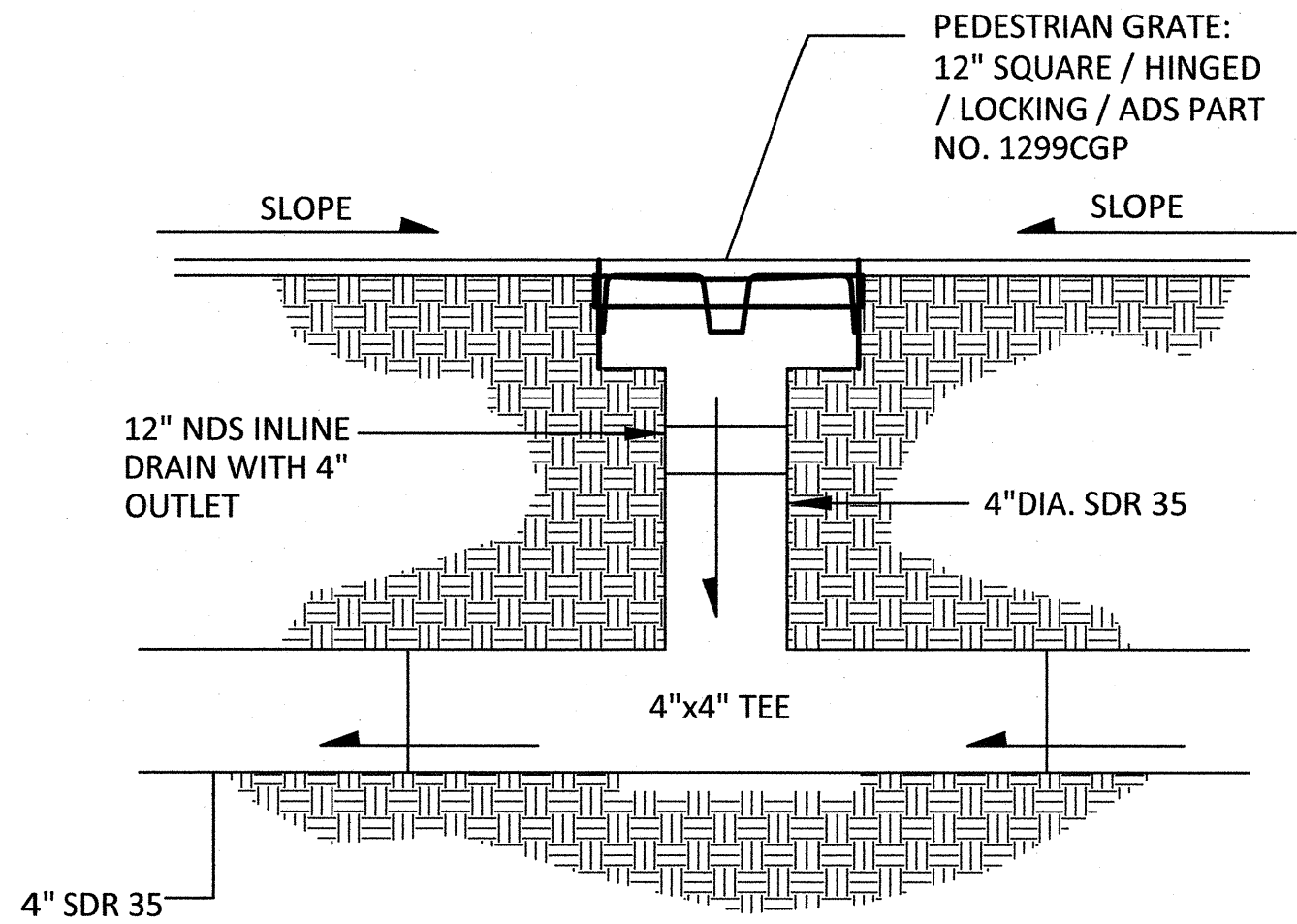
Shahab Biazar, P.E.
City Engineer, Planning Dept.
Development Review Services

TE/SB

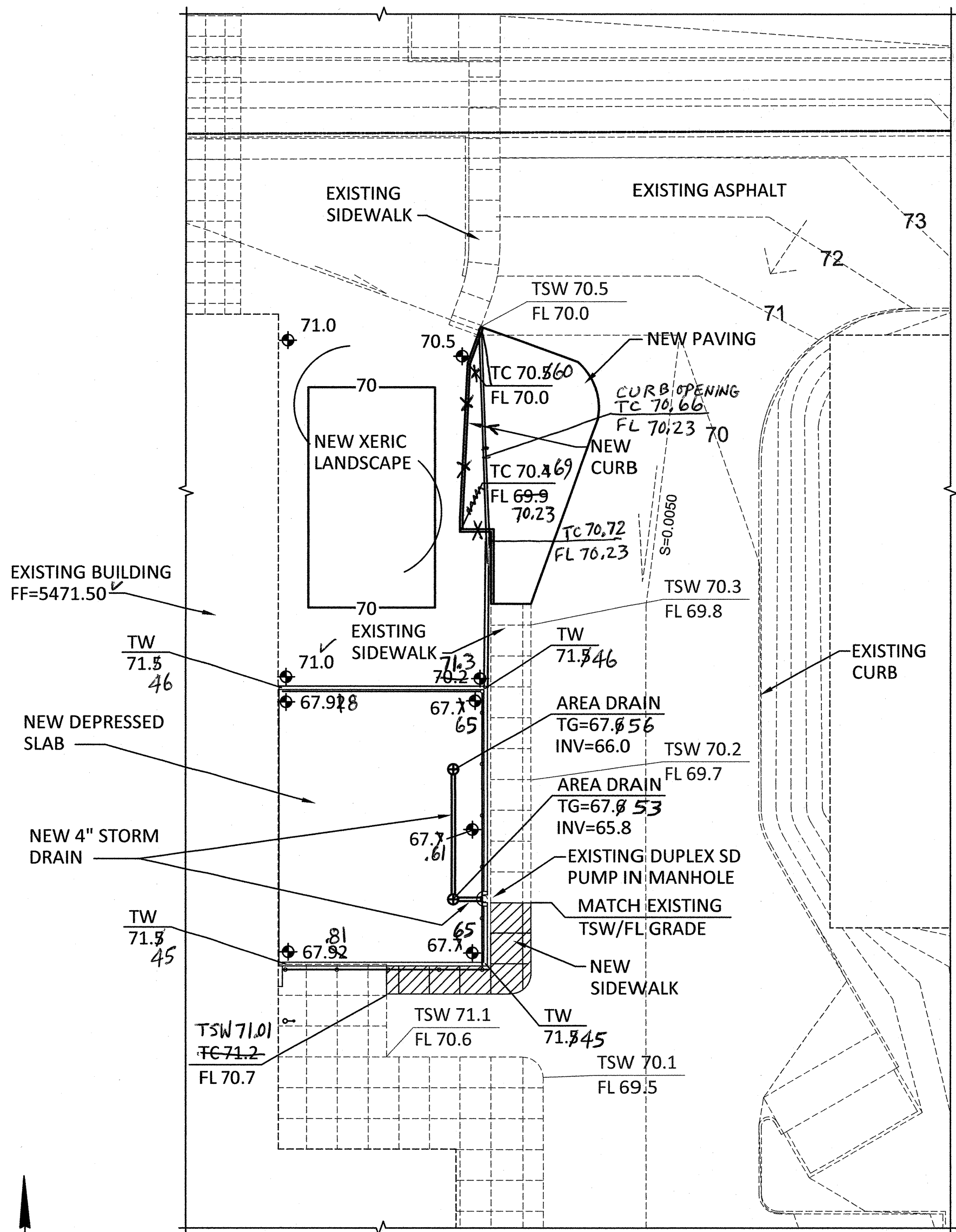
C: CO Clerk, Cordova, Camille C.; Miranda, Rachel; Sandoval, Darlene M.;
Blocker, Lois



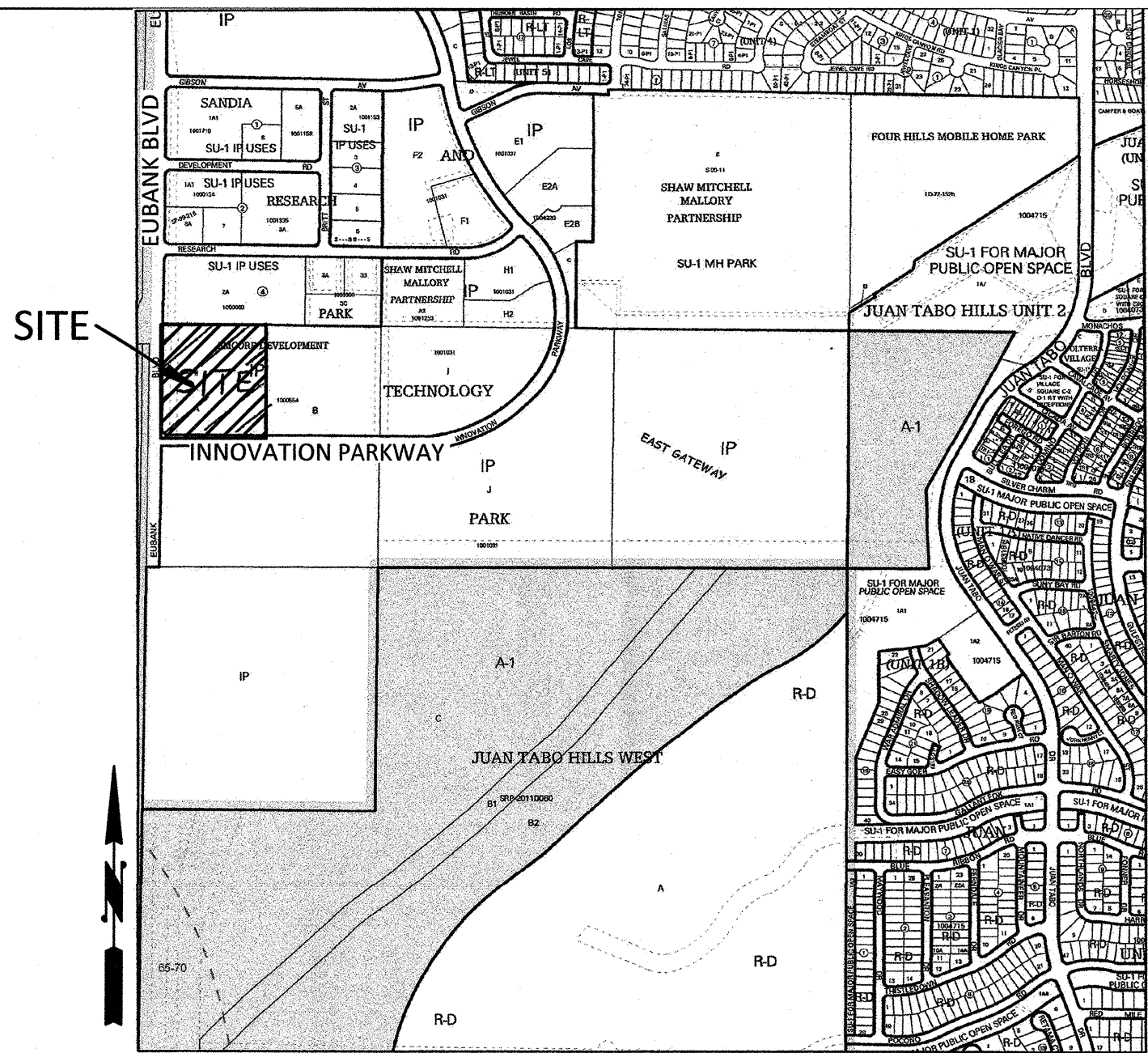
EXISTING GRADING AND DRAINAGE PLAN



AREA DRAIN



GRADING AND DRAINAGE PLAN



VICINITY MAP M-21-Z NOT TO SCALE

LEGEND

- TSW 70.5
FL 70.0 EXISTING TOP OF SIDEWALK AND FLOW LINE ELEVATIONS
- TSW 70.5
FL 70.0 NEW TOP OF SIDEWALK AND FLOW LINE ELEVATIONS
- 71.3 AS-BUILT ELEVATION

DRAINAGE ANALYSIS

ADDRESS: 1600 Eubank Blvd SE, Albuquerque, NM

LEGAL DESCRIPTION: TRACT A, EMCORE DEVELOPMENT

AREA: 20.27 acres PROJECT AREA: 50'x115' = 5,750 SF (0.13 ac)

PRECIPITATION ZONE: 3

FLOOD HAZARD: From FEMA Map 35001C0366H (8/16/12), this site is identified as being within Zone 'X' which is located outside the 0.2% chance annual floodplain.

EXISTING CONDITIONS: The existing developed site is almost entirely impervious. The area east of the existing building is concrete flatwork and a below-grade truck dock. An existing duplex pump system is located in a storm drain sump manhole adjacent to the work area. This pump system drains the truck dock and is capable of a 40-gpm discharge rate.

PROPOSED IMPROVEMENTS: The proposed improvements include a 40' by 55' depressed slab with retaining walls on the north, east, and south sides. The space north of that is proposed to be depressed xeric landscaping. The amount of impervious surface is reduced with the new improvements.

DRAINAGE APPROACH: The drainage plan will direct flows to the east side of the depressed slab where they will be collected by two area drains and piped to the sump pump.

Existing land treatment: 18% C 82% D
 $Q = [(0.18)(3.45) + (0.82)(5.02)](0.13) = 0.6$ CFS

Proposed land treatment: 61% C and 39% D
 $Q = [(0.61)(3.45) + (0.39)(5.02)](0.13) = 0.5$ CFS

First flush $V = (2,200)(0.34/12) = 62$ CF

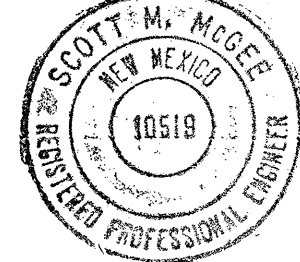
The proposed depressed landscape area will contain the first flush volume. Site runoff will not increase and won't impact downstream drainage facilities.

DRAINAGE CERTIFICATION

I, SCOTT M. MCGEE, NMPE 10519, OF THE FIRM SCOTT M. MCGEE P.E., LLC, HEREBY CERTIFY THAT THIS SITE HAS BEEN GRADED AND WILL DRAIN IN SUBSTANTIAL COMPLIANCE WITH THE DESIGN INTENT OF THE APPROVED PLAN DATED 8/11/16. THE RECORD INFORMATION EDITED ONTO THE ORIGINAL PLAN HAS BEEN OBTAINED BY ANTHONY L. HARRIS, NMPS 11463, OF THE SURVEY OFFICE. I ALSO CERTIFY THAT I PERSONALLY VISITED THE PROJECT SITE ON 1/5/17 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 A PERMANENT CERTIFICATE OF OCCUPANCY.

THE RECORD INFORMATION SHOWN HEREON IS NOT NECESSARILY COMPLETE AND IS ONLY INTENDED TO VERIFY SUBSTANTIAL COMPLIANCE OF THE GRADING/ DRAINAGE ASPECTS OF THIS PROJECT. THOSE RELYING ON THIS RECORD DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT ACCURACY VERIFICATION BEFORE USING IT FOR ANY PURPOSE.

Scott M. McGee 1/5/17
SCOTT M. MCGEE, NMPE 10519



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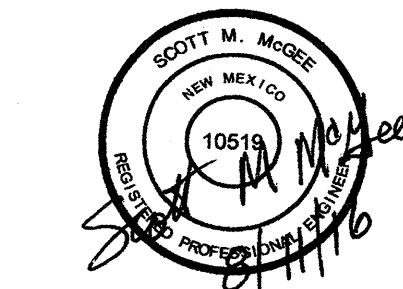
7601 JEFFERSON NE, SUITE 100
ALBUQUERQUE, NM 87109

505.761.9700 / DPSDESIGN.ORG

ARCHITECT

ISSUED FOR
PERMIT

ENGINEER

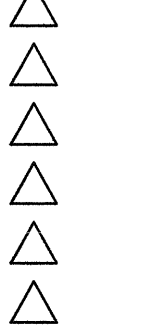


PROJECT

SolAero
TECHNOLOGIES

SolAero Technologies
1600 Eubank Blvd. NE
Albuquerque, New Mexico 87123

REVISIONS



DRAWN BY CB
REVIEWED BY SMM
DATE 08.11.2016
PROJECT NO. 16-0059
DRAWING NAME

GRADING &
DRAINAGE
PLAN

SHEET NO.

C101

OF