

DRAINAGE CERTIFICATION

I, SCOTT M. MCGEE, NMPE 10519, OF THE FIRM SCOTT M. MCGEE P.E., LLC, HEREBY CERTIFY THAT THIS PHASE I PORTION OF THE SITE HAS BEEN GRADED AND WILL DRAIN IN SUBSTANTIAL COMPLIANCE WITH AND IN ACCORDANCE WITH THE DESIGN INTENT OF THE APPROVED PLAN DATED 5/05/14. THE RECORD INFORMATION EDITED ONTO THE ORIGINAL DESIGN DOCUMENT HAS BEEN OBTAINED BY BRIAN MARTINEZ, NMPS 18374, OF CARTESIAN SURVEYS, INC. I FURTHER CERTIFY THAT I PERSONALLY VISITED THE PROJECT SITE ON 12/16/14 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 A TEMPORARY CERTIFICATE OF OCCUPANCY FOR BUILDING 4 (PHASE I).

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 12/16/14

SCOTT M. MCGEE, NMPE 10519



AREA DRAIN TABLE			
A D #	ELEVATION		
	Q (CFS)	TOP OF GRATE	INVERT
1	0.3	10.0 9.97	6.7 7.2
2	0.7	10.1 9.83	7.6 7.8
3	1.0	10.1 9.86	7.6 7.9
4	1.2	10.2 1.18	8.2 3
5	1.1	10.5	8.5
6	0.8	11.4	9.6
7	1.0	11.0	9.0
8	1.1	12.0	9.9

LEGEND

- 5109.82 EXISTING SPOT ELEVATION
- 10- EXISTING CONTOURS
- [Symbol] COVERED CARPORT
- [Symbol] SIDEWALK CULVERT
- FF=5113.5 FINISH FLOOR ELEVATION
- 12 NEW SPOT ELEVATIONS
- 10- PROPOSED CONTOURS
- SD- PROPOSED STORM DRAIN
- [Symbol] FLOW ARROW
- x 81.1 PHASE BOUNDARY LINE AS-BUILT ELEVATION

AREA: 8.93 acres (388,989 sf)

BENCHMARK: City of Albuquerque Station '6-110' being a brass cap ELEV= 5119.81 (NAVD 1988)

SURVEYOR: Cartesian Surveying, Inc. dated July 2012

FLOOD HAZARD: From FEMA Panel 327 (9/26/08), this site is identified as being within Zone 'X' which is located outside the 100-year floodplain

EXISTING CONDITIONS: The undeveloped site slopes down from the NW to the SE at slightly less than 1%. Glenrio Road NW abuts the site along the south and Interstate 40 runs along the north side of the site. Residential developments abut the site to the west and east.

OFFSITE FLOW: An existing 30" culvert (at the NW site corner) discharges runoff from the adjacent I-40. This runoff (which is quantified below), will continue to be accepted onsite, routed to a detention pond, and then to Glenrio Road NW.

PROPOSED IMPROVEMENTS: The proposed improvements include four 3-story residential buildings, a community building with pool, maintenance building, garage buildings, and associated paved parking and landscaping. A depressed landscape area is proposed at the northeast end of the site which will receive developed runoff from both roof and parking areas. A drainage inlet located in a second depressed area is proposed at the south end of the parking area which will drain via a storm drain piped to the existing public storm drain in Glenrio Road NW.

DRAINAGE APPROACH: The proposed drainage plan will continue to follow historic flow paths, but impervious areas will increase runoff. The new onsite depressed landscape areas provide needed detention storage volume to mitigate site runoff, which continues to discharge to Glenrio Road NW.

DRAINAGE CALCULATIONS: Based on precipitation Zone: 1
Existing land treatment: 100% A
Q100= (1.29)(8.93) = 11.5 CFS

Proposed land treatment: 13% B, 24% C, & 63% D
Q= [2.03(13) + 2.87(24) + 4.37(63)](8.93) = 33.1 CFS

With the proposed onsite detention volumes shown, runoff is mitigated somewhat and the impact to downstream drainage facilities is reduced.



VICINITY MAP J-10

Dekker Perich Sabatini
7601 Jefferson NE Suite 100
Albuquerque, NM 87109
505 761-9700
fax 761-4222
dps@dpsdesign.org
ARCHITECT

SCOTT M. MCGEE
NMPE 10519
REGISTERED PROFESSIONAL ENGINEER
ENGINEER

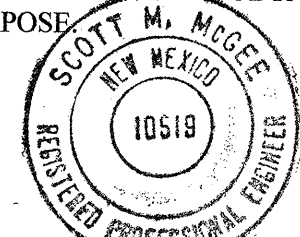
DRAINAGE CERTIFICATION

I, SCOTT M. MCGEE, NMPE 10519, OF THE FIRM SCOTT M. MCGEE P.E., LLC, HEREBY CERTIFY THAT THIS PORTION OF THE SITE (PHASE 2), HAS BEEN GRADED AND WILL DRAIN IN SUBSTANTIAL COMPLIANCE WITH THE DESIGN INTENT OF THE APPROVED PLAN DATED 5/05/14. THE RECORD INFORMATION EDITED ONTO THE ORIGINAL PLAN HAS BEEN OBTAINED BY BRIAN MARTINEZ, NMPS 18374, OF CARTESIAN SURVEYS, INC. I ALSO CERTIFY THAT I PERSONALLY VISITED THE PROJECT SITE 2/18/15 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 FOR BUILDING 1 (PHASE 2).

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 2/18/15

SCOTT M. MCGEE, NMPE 10519



72nd Place NW

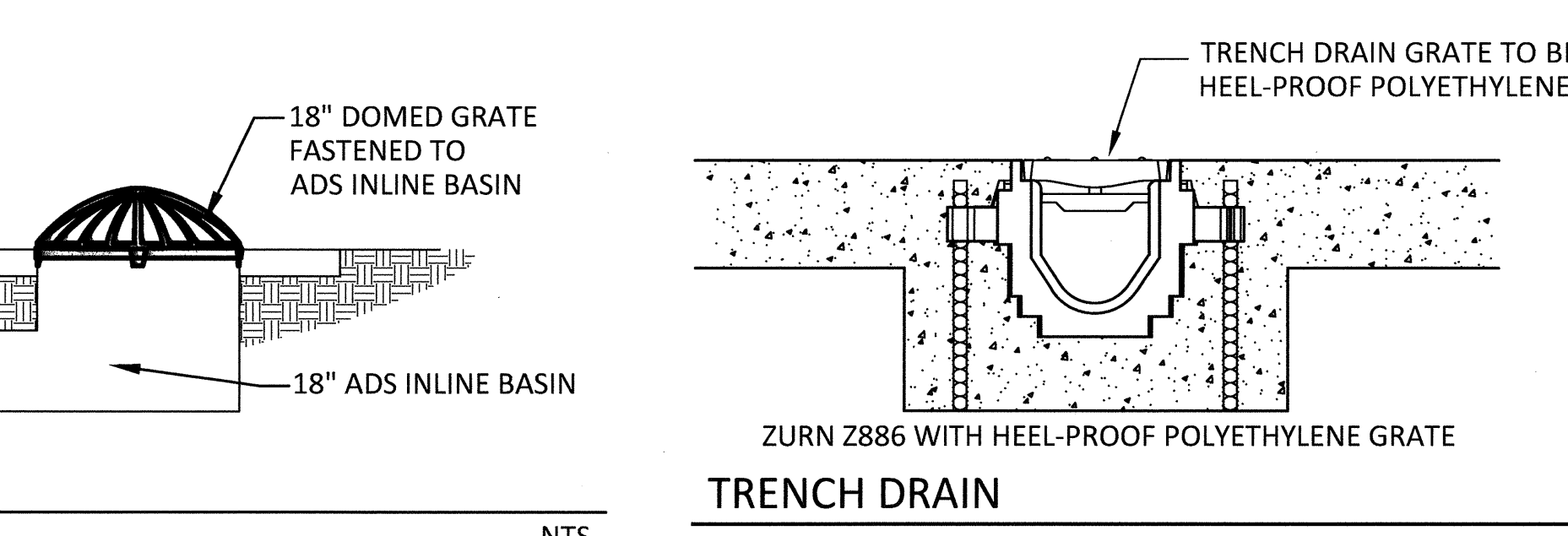
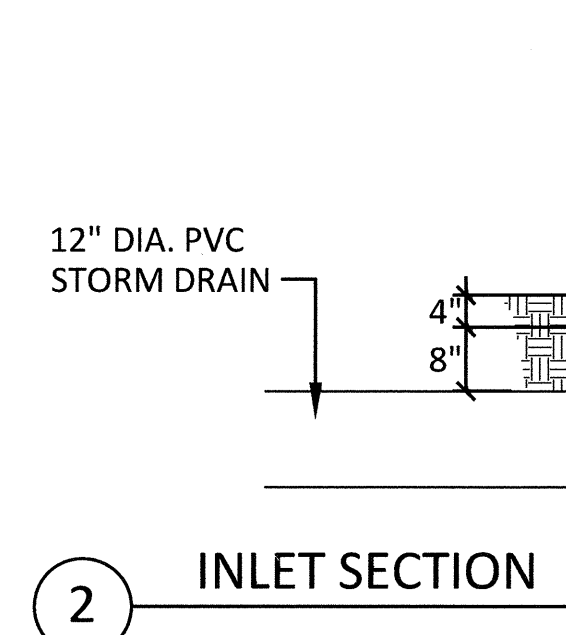
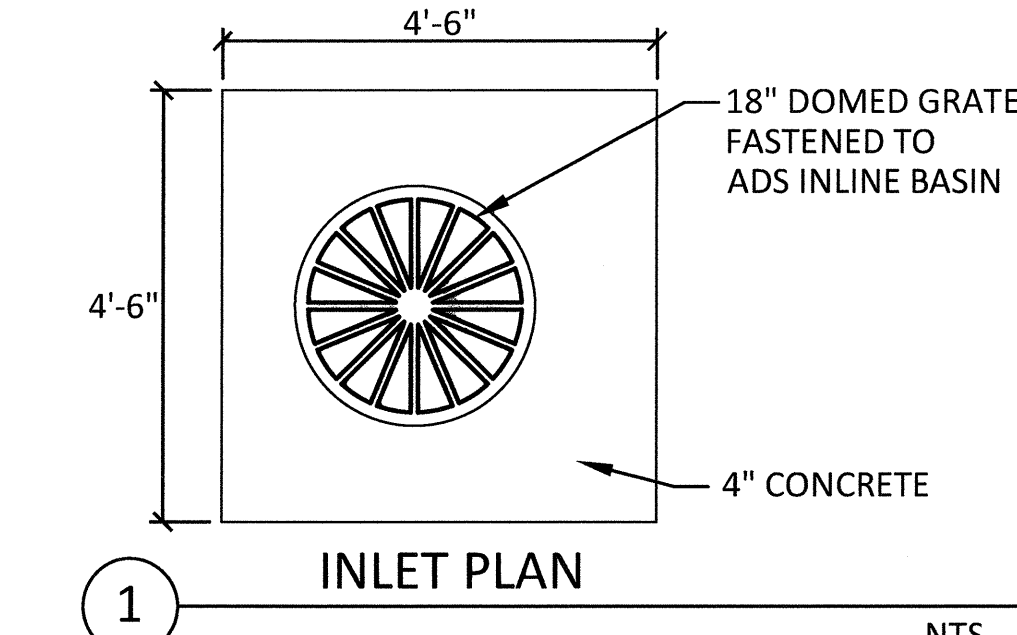
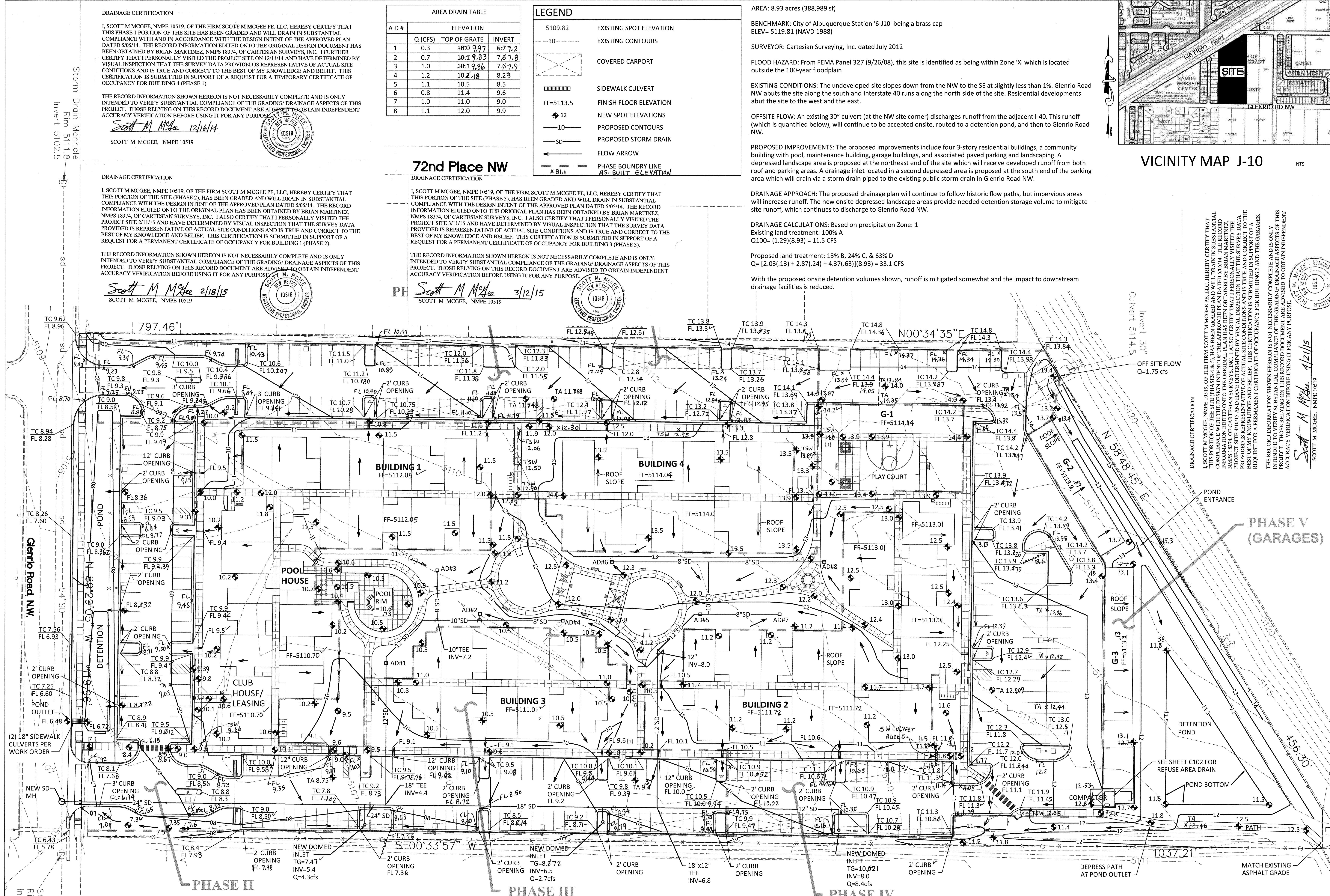
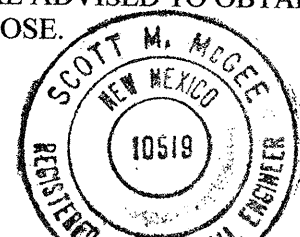
DRAINAGE CERTIFICATION

I, SCOTT M. MCGEE, NMPE 10519, OF THE FIRM SCOTT M. MCGEE P.E., LLC, HEREBY CERTIFY THAT THIS PORTION OF THE SITE (PHASE 3), HAS BEEN GRADED AND WILL DRAIN IN SUBSTANTIAL COMPLIANCE WITH THE DESIGN INTENT OF THE APPROVED PLAN DATED 5/05/14. THE RECORD INFORMATION EDITED ONTO THE ORIGINAL PLAN HAS BEEN OBTAINED BY BRIAN MARTINEZ, NMPS 18374, OF CARTESIAN SURVEYS, INC. I ALSO CERTIFY THAT I PERSONALLY VISITED THE PROJECT SITE 3/12/15 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 FOR BUILDING 3 (PHASE 3).

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.

PH Scott M. McGee 3/12/15

SCOTT M. MCGEE, NMPE 10519



PHASED GRADING PLAN
1" = 30 FT

ALL GRADING SHALL BE DONE AS PART OF PHASE I. DRAINAGE IMPROVEMENTS WILL BE BUILT AS PART OF EACH PHASE. INTERIOR COURTYARD DRAINAGE WILL BE PART OF PHASE V.

GLENRIO APARTMENTS
ALBUQUERQUE, NM

REVISIONS

DRAWN BY
REVIEWED BY
DATE 11/12/2013
PROJECT NO.
DRAWING NAME
PHASED GRADING PLAN
SHEET NO.
C101

CITY OF ALBUQUERQUE



May 6, 2015

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

**Re: Glenrio Apartments Phase 4 & 5
Glenrio NW
Request for Permanent C.O. - Accepted
Engineer's Stamp dated: 5-5-14 (J10D043)
Certification dated: 4-21-15**

Dear Mr. McGee,

Based on the Certification received on 4/22/2015, Phases 4 & 5 of Glenrio Apartments is acceptable for release of Certificate of Occupancy by Hydrology.

PO Box 1293

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

Albuquerque

New Mexico 87103

www.cabq.gov

Sincerely,

Rita Harmon, P.E.
Senior Engineer
Planning Department

RR/RH
C: CO Clerk