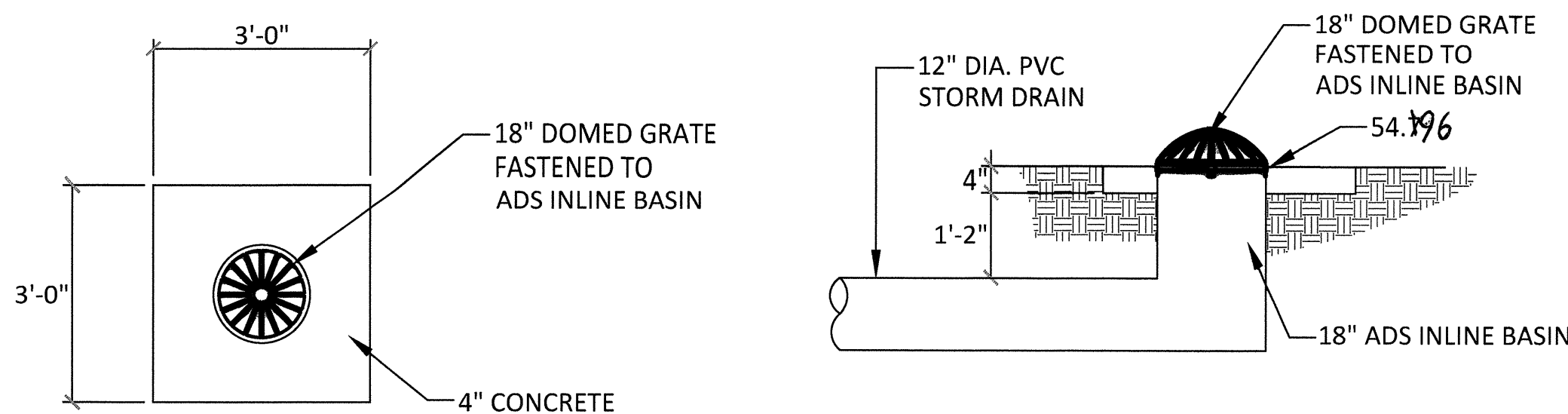


D

C

B

A



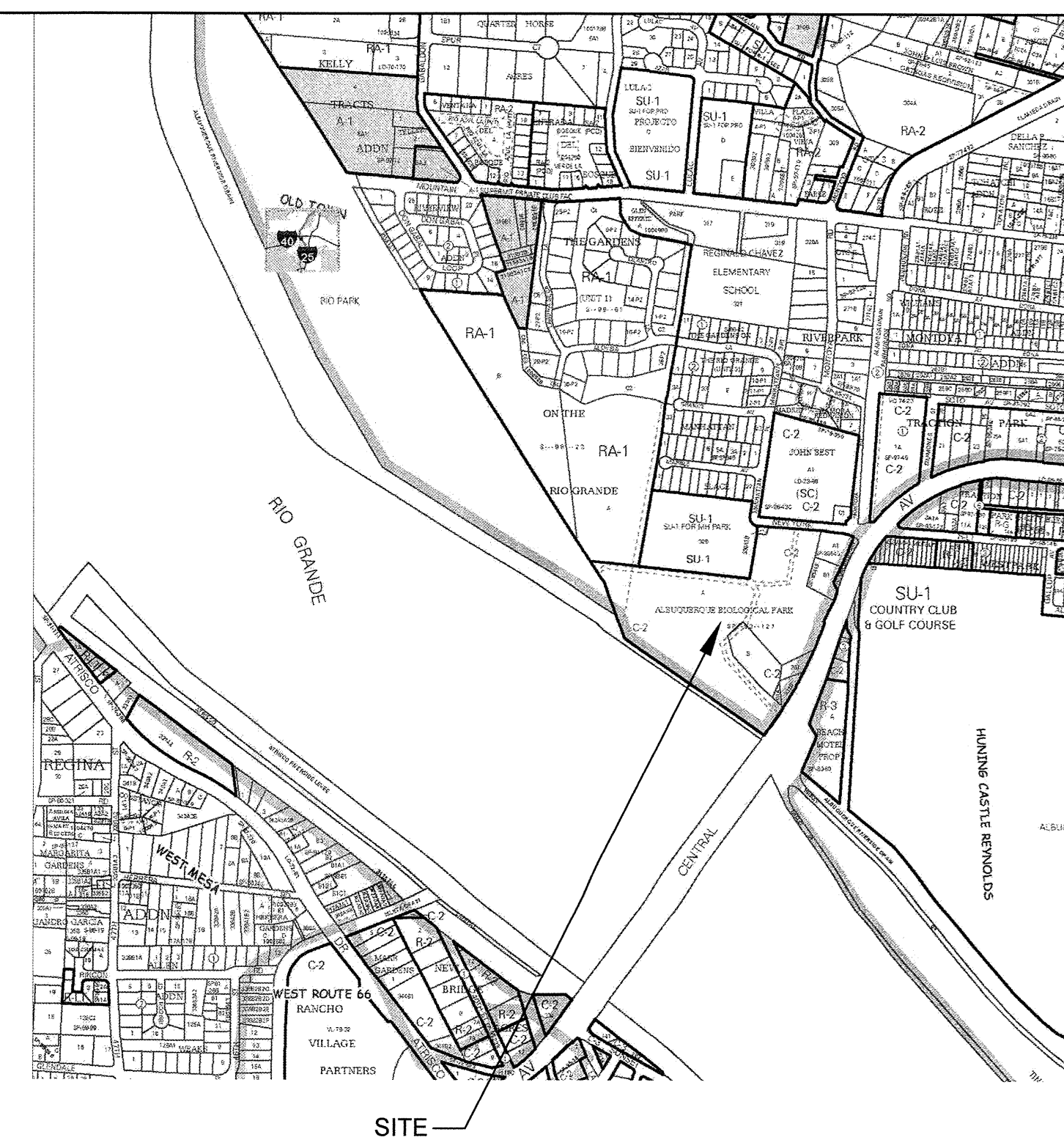
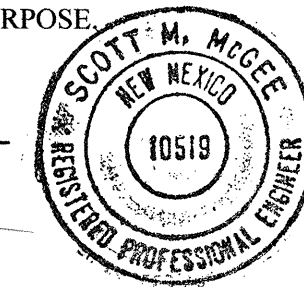
1 INLET PLAN NTS  
2 INLET SECTION NTS

#### DRAINAGE CERTIFICATION

I, SCOTT M MCGEE, NMPE 10519, OF THE FIRM SCOTT M MCGEE PE, LLC, HEREBY CERTIFY THAT THIS SITE HAS BEEN GRADED AND WILL DRAIN IN SUBSTANTIAL COMPLIANCE WITH THE DESIGN INTENT OF THE APPROVED PLAN DATED 12/10/13. THE RECORD INFORMATION EDITED ONTO THE ORIGINAL PLAN HAS BEEN OBTAINED BY T. A. COLE CONSTRUCTION. I ALSO CERTIFY THAT I PERSONALLY VISITED THE PROJECT SITE 5/12/15 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. THE BIOPARK STAFF IS DOING SOME WORK THAT WAS NOT IN THIS CONTRACT AND ISN'T COMPLETED. 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 5/12/15  
SCOTT M MCGEE, NMPE 10519



VICINITY MAP J-12 NTS

#### LEGEND

- EXISTING CONTOUR LINE
- NEW CONTOUR LINE
- FF = 4955.38
- FINISH FLOOR ELEVATION
- NEW SPOT ELEVATION
- STORM DRAIN
- AS-BUILT ELEVATION

#### DRAINAGE

LEGAL: A portion of Tract A, Albuquerque Biological Park

AREA: 100' x 200' area of site this project -- 0.459 acres (20,000 sf)

BENCHMARK: City of Albuquerque Station '14-J12 1989' being an aluminum disk on the south side of Central 379' SW of the Tingley Drive centerline and 29.5' NE of expansion joint of the Rio Grande bridge.  
ELEV= 4965.46 (NAVD 1988)

SURVEYOR: Terra Land Surveys, LLC dated July 2012

FLOOD HAZARD: : From FIRM Panel 333 (9/26/08), this site is identified as being within Zone 'X'; areas of 0.2% annual chance flood, areas of 1% annual chance flood depth of < 1' or with drainage areas protected by levees from 1% annual chance flood.

EXISTING CONDITIONS: The site is a portion of a public biological park. This area is presently an unpaved parking lot with two existing buildings, and landscape areas that generally drains from north to south.

OFFSITE FLOWS: No offsite flow presently enters the site.

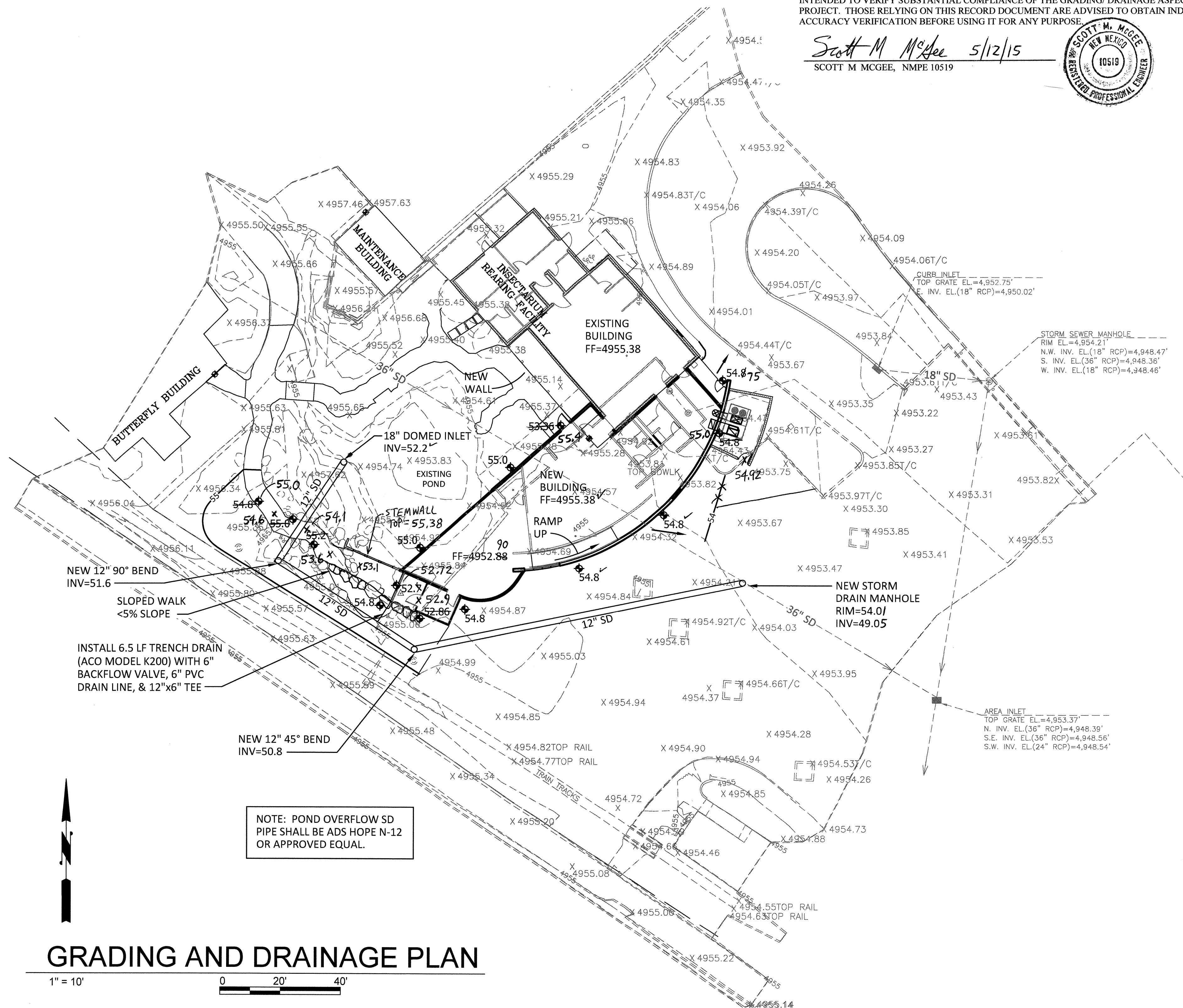
PROPOSED IMPROVEMENTS: The proposed improvements include a 3,000 sf building addition located to the south of an existing building on the site.

DRAINAGE APPROACH: The proposed drainage plan will direct most of the new building roof area flow toward an existing dragonfly pond. The balance of the area will remain as landscaped area depressed to contain the rain that falls on it. A pond overflow is provided which will drain to an existing storm drain manhole.

HYDROLOGY: The existing area has land treatment of 45% B and 55% C. For precipitation Zone 2 --- Q= (.207)(2.28)+(.252)(3.14)= 1.3 CFS

The developed flow is based on 40% B, 44% C, & 16% D  
Developed Q= (.184)(2.28)+(.202)(3.14)+(.073)(4.70)= 1.4 CFS

Since the impervious portion of the runoff is discharged to the existing pond, the effective site runoff will be reduced and not exceed the historic rate.



## GRADING AND DRAINAGE PLAN

1" = 10'  
0 20' 40'

11/13/2012 2:04:06 PM



ARCHITECTS • PLANNERS • AIA

1306 RIO GRANDE BLVD. NW  
ALBUQUERQUE, NM 87104

505-255-6400 505-268-6954

WWW.NCA-ARCHITECTS.COM

ARCHITECT STAMP

CONSULTANT STAMP



## ABQ BIO-PARK INSECTARIUM

ALBUQUERQUE, New Mexico

REVISIONS

PROJECT NO. A12.11  
DATE 12/10/2013  
DRAWN BY SMM  
CHECKED BY SMM

SHEET CONTENTS  
GRADING PLAN

SHEET

C-101

# CITY OF ALBUQUERQUE



May 20, 2015

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

**Re: ABQ Bio-park Insectarium  
Request for Permanent C.O. – Accepted  
Engineer's Stamp dated: 12-10-13 (J12D014A)  
Certification dated: 5-12-15**

Dear Mr. McGee,

Based on the Certification received on 5/12/2015, and the letter dated 5/20/2015 from Catherine Hubbard taking responsibility for the area, the Insectarium is acceptable for release of Certificate of Occupancy by Hydrology.

PO Box 1293

If you have any questions, you can contact me at 924-3986 or Rudy Rael at 924-3977.

Albuquerque

New Mexico 87103

[www.cabq.gov](http://www.cabq.gov)

Sincerely,

Rita Harmon, P.E.  
Senior Engineer  
Planning Department

C: RR/RH  
CO Clerk  
email



May 20, 2015

Ms. Rita Harmon, P.E.  
Senior Engineer  
Planning Department  
City of Albuquerque

Dear Ms. Harmon:

The BioPark will take responsibility for addressing the pond flooding, and removing the piles of dirt and debris. TA Cole will remove their construction fence.

Please let me know if you need more information for the release of Certificate of Occupancy by Hydrology.

Sincerely,

Catherine Hubbard  
ABQ BioPark Botanic Garden Manager

cc: Rick Janser, BioPark Director  
Rudy Rael  
Scott McGee  
Antonio Garcia  
Jerry Francis

ZOO • BOTANIC GARDEN • TINGLEY BEACH • AQUARIUM