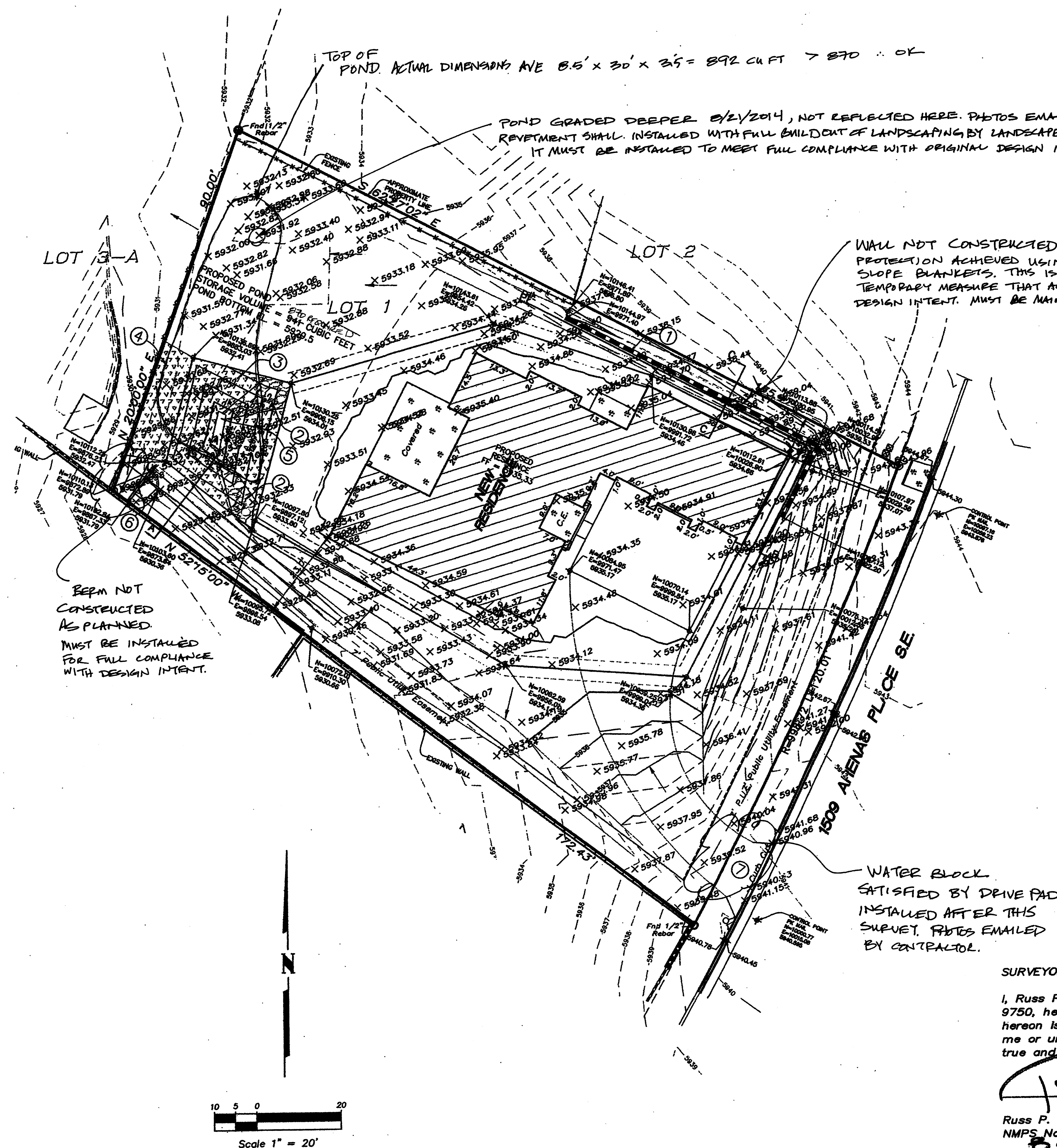


ASBUILT SURVEY
 LOT 1, TRACT 1
 FOUR HILLS VILLAGE
 INSTALLMENT 11-A
 CITY OF ALBUQUERQUE
 BERNALILLO COUNTY, NEW MEXICO
 AUGUST, 2014



DRAINAGE CERTIFICATION WITH SURVEY WORK BY PROFESSIONAL SURVEYOR

I, BRUCE MARSHALL GARCIA NMPE 17621, OF THE FIRM WESTERN CIVIL, 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 12/16/13. THE RECORD INFORMATION EDITED ONTO THE ORIGINAL DESIGN DOCUMENT HAS BEEN OBTAINED BY Russ P. Hugg, NMPS 9750 OF THE FIRM SURV-TEK. I FURTHER CERTIFY THAT I HAVE PERSONALLY VISITED THE PROJECT SITE ON 8/2/14 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 APPROVAL AS CONSTRUCTED.

(Describe any exceptions and/or qualifications here in a separate paragraph)
 (Describe any deficiencies and/or corrections required here in a separate paragraph)
SEE NOTES ON THIS SHEET.

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 THE RECORD DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ITS ACCURACY BEFORE USING IT FOR ANY OTHER PURPOSE.

B. Garcia
 Signature of Engineer

ENGINEER'S STAMP

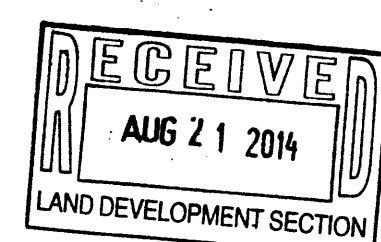
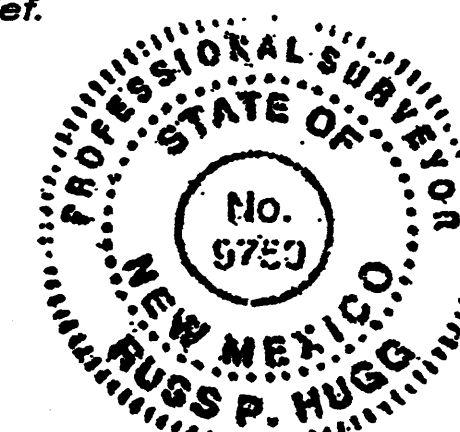


8/21/14
 Date

SURVEYORS CERTIFICATION

I, Russ P. Hugg, New Mexico Professional Surveyor Number 9750, hereby certify that the as-built information shown hereon is the result of an actual field survey performed by me or under my direct supervision and that the same is true and correct to the best of my knowledge and belief.

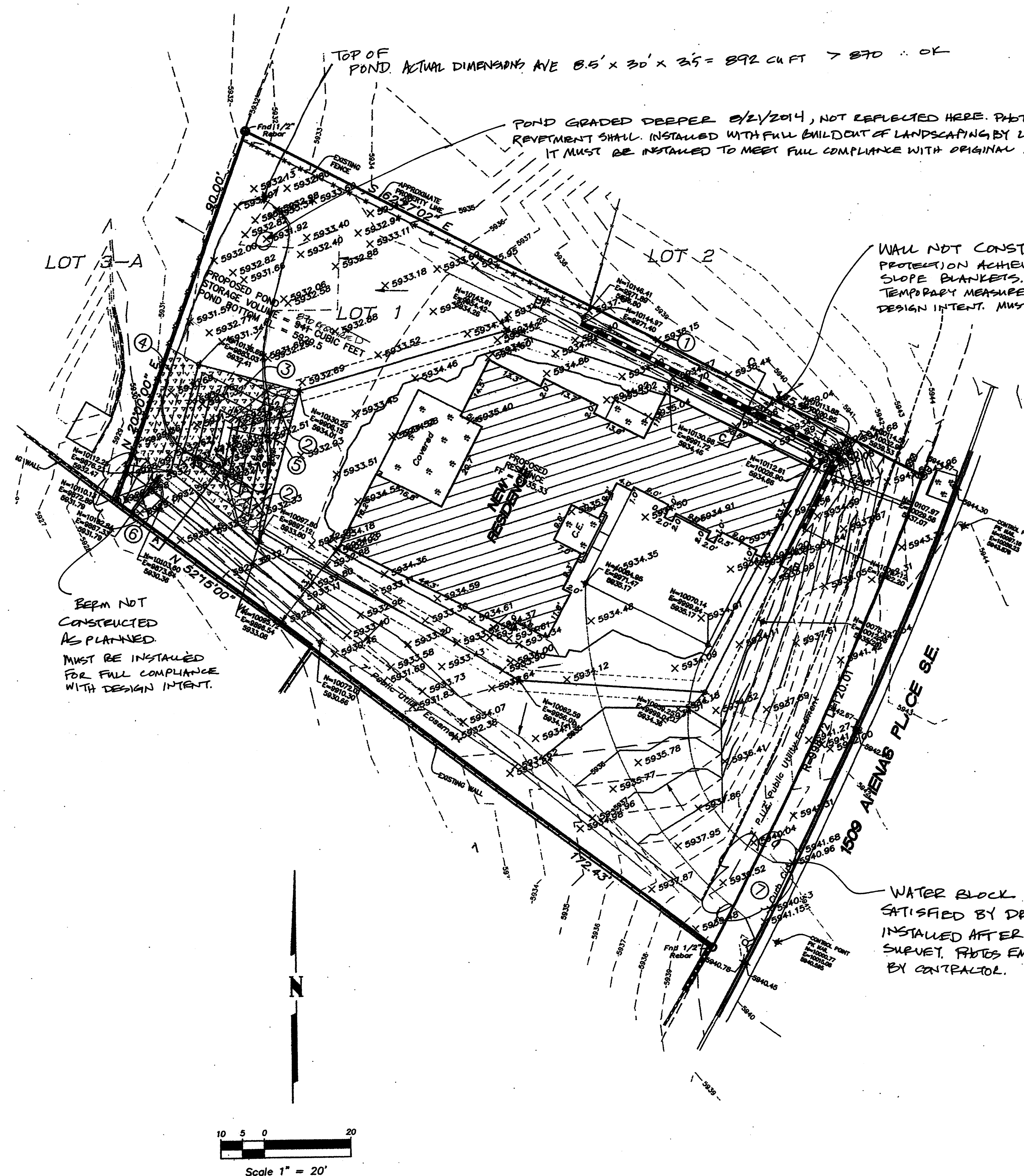
Russ P. Hugg
 NMPS No. 9750
8-21 2014



SURV-TEK, INC.

Consulting Surveyors
 9384 Valley View Drive N.W. Albuquerque, New Mexico 87114 Phone: 505-897-9388
 Fax: 505-897-9377

ASBUILT SURVEY
 LOT 1, TRACT 1
 FOUR HILLS VILLAGE
 INSTALLMENT 11-A
 CITY OF ALBUQUERQUE
 BERNALILLO COUNTY, NEW MEXICO
 AUGUST, 2014



DRAINAGE CERTIFICATION WITH SURVEY WORK BY PROFESSIONAL SURVEYOR

I, BROOKE MARSHALL GARCIA NMPE 17621, OF THE FIRM WESTERN CIVIL, 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 12/16/13. THE RECORD INFORMATION EDITED ONTO THE ORIGINAL DESIGN DOCUMENT HAS BEEN OBTAINED BY Russ P. Hugg, NMPS 9750 OF THE FIRM SURV-TEK. I FURTHER CERTIFY THAT I HAVE PERSONALLY VISITED THE PROJECT SITE ON 8/21/14 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 APPROVAL AS CONSTRUCTED EXCEPT AS NOTED ON THIS SHEET.

(Describe any exceptions and/or qualifications here in a separate paragraph)
 (Describe any deficiencies and/or corrections required here in a separate paragraph)
SEE NOTES ON THIS SHEET.
 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 THE RECORD DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ITS ACCURACY BEFORE USING IT FOR ANY OTHER PURPOSE.

B. Hugg
 Signature of Engineer
8/21/14
 Date

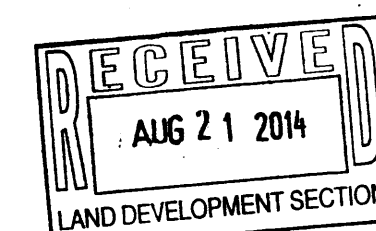
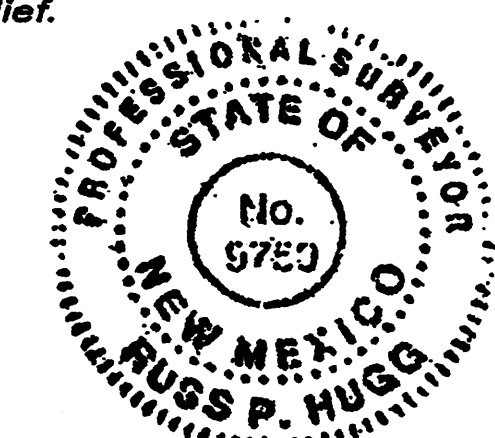
ENGINEER'S STAMP



SURVEYORS CERTIFICATION

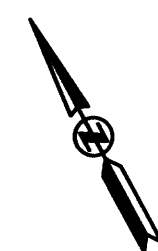
I, Russ P. Hugg, New Mexico Professional Surveyor Number 9750, hereby certify that the as-built information shown hereon is the result of an actual field survey performed by me or under my direct supervision and that the same is true and correct to the best of my knowledge and belief.

Russ P. Hugg
 NMPS No. 9750
8.21 2014



SURV-TEK, INC.

Consulting Surveyors Phone: 505-897-3388
 9984 Valley View Drive N.W. Albuquerque, New Mexico 87114 Fax: 505-897-3377



1. RETAINING WALL TO BE DESIGNED BY OTHERS. MINIMUM WALL HEIGHT SHALL BE ESTABLISHED TO CONFORM SIDE SLOPES TO CITY OF ALBUQUERQUE DEVELOPMENT PROCESS MANUAL CHAPTER 22, SECTION 5. ALL DEVELOPED SLOPES HAVE BEEN HELD AT 3:1 OR FLATTER.
2. EROSION PROTECTION FOR DESIGNATED FORD RUNDOWNS PER CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION., SECTION 1012, USING 3" AGGREGATE.
3. ALL POND WALLS, NOT INCLUDING RUNDOWNS, TO BE SEED PER CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION., SECTION 1012, USING GRAVEL MULCH.
4. THE AREA DOWNSTREAM OF THE POND TO BE SEED PER CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION., SECTION 1012, USING GRAVEL MULCH.
5. POND TO REMAIN UNLINED TO ALLOW INFILTRATION.
6. BERM TO BE INSTALLED ACCORDING TO THE NPDES MANUAL, MINIMUM DIMENSIONS: 18" HEIGHT, WITH MINIMUM 2' BASE. ENSURE COMPACTION. APPLY SEEDING.
7. ENSURE DRIVEWAY TOP OF ENTRANCE IS 12" HIGHER THAN THE FLOWLINE ELEVATION TO PROVIDE ADEQUATE WATER BLOCK.

GENERAL NOTES:
1. THE HORIZONTAL COORDINATES SHOWN
ARE BASED ON LOCAL CONTROL SHOWN.

[illegible]

1509 ARENAS PL SE.
30 July 2014 → FIREHOLE PLUMBING
INSPECTION - NOT TO
BE FINISHED OR SCHEDULED
→ ENGINEER'S CERT.
REQUIRED AS

TITLE:	LOPEZ/MONTOYA RESIDENCE 1509 ARENAS PLACE SE
--------	---

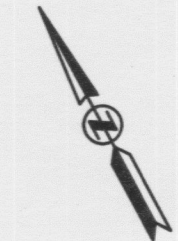
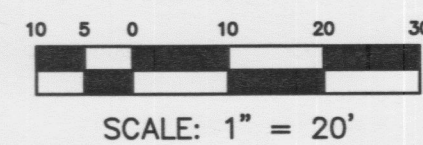
GRADING PLAN

Zone Map No.	Sheet	Of
M-23-Z	1	2

M23-0018

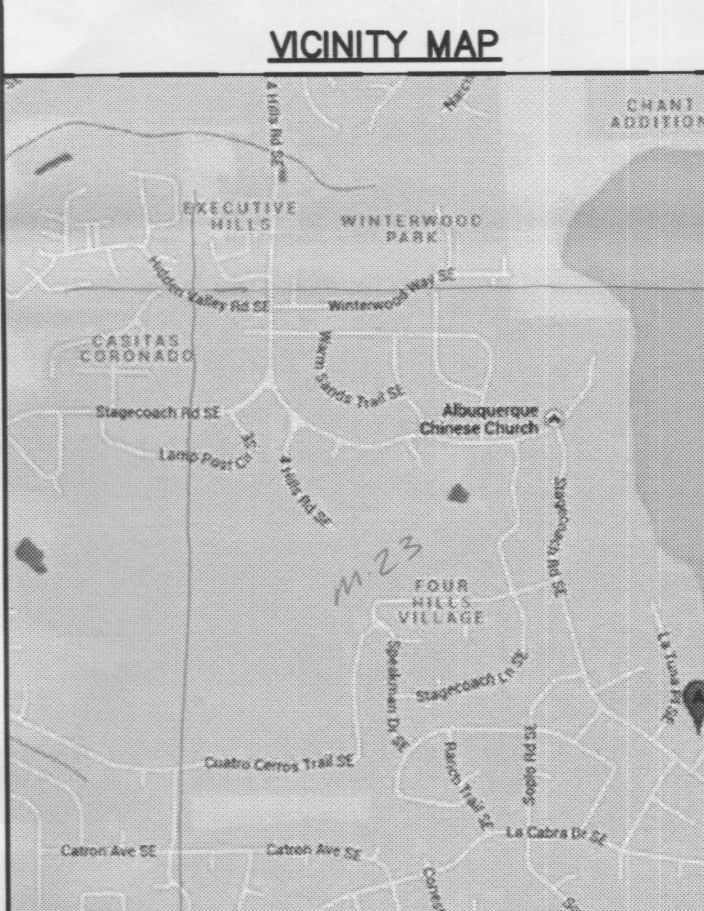


	Q100 (cfs)		
	HISTORIC	PROPOSED	INCREASE
BASIN A	0.71	1.24	0.53
BASIN B	0.08	0.12	0.03
BASIN C	0.12	0.17	0.05
TOTAL	0.91	1.52	0.61



GENERAL NOTES:

1. THE GREYED/DASHED CONTOURS ARE THE EXISTING GROUND BASED ON BERNALILLO COUNTY 2' CONTOURS. THE SOLID CONTOURS ARE BASED ON A SURVEY OF THE PROPERTY ON DECEMBER 4, 2013 AFTER THE CONTRACTOR MODIFIED THE GRADING.



City Zone Map M-2

Legend

$p = 180 \times 10, \text{ Type B}$



NO.		DATE	REMARKS	BY
<i>REVISIONS</i>				
UTILITY PROJECT MANAGER				
CONTRACTOR PROJECT MANAGER				
CONTRACTOR SUPERINTENDENT				

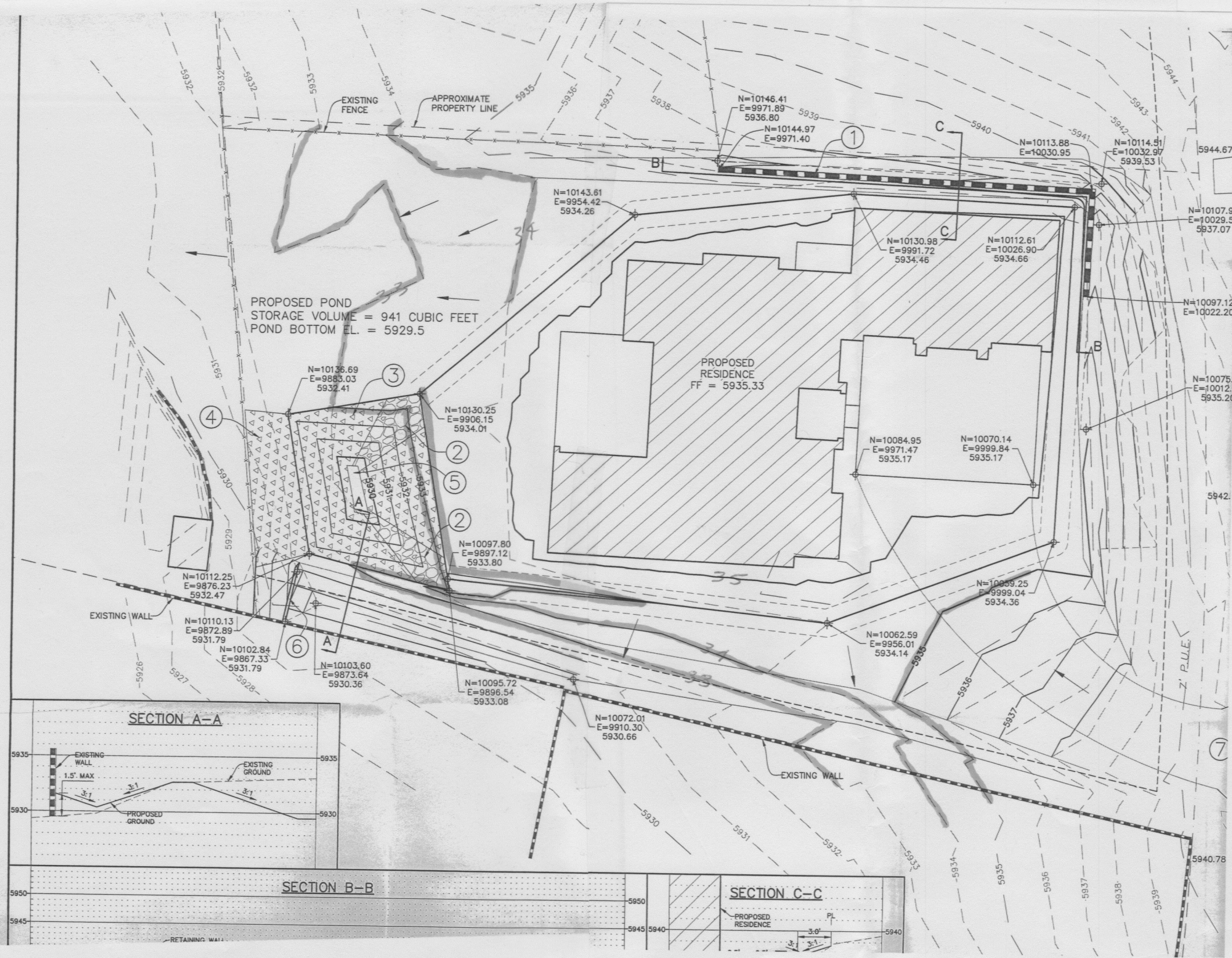
WESTERN CIVIL

TITLE:	LOPEZ/MONTOYA RESIDENCE 1509 ARENAS PLACE SE
--------	---

BASIN
MAP

Zone Map No.	Sheet	Of
M-23-7	1	2

M23-DØ18



Driveway
 3,990 # A: Pads
 + 1,225 # A: Driveway
 A = 18,722 #
 B = 2,276 #
 C = 2,380 #

18,323

Σ whole site basins A+B+C
 23,643 # / 43,500 = 0.54