

CITY OF ALBUQUERQUE



Richard J. Berry, Mayor

September 25, 2017

Mark Goodwin, P.E.
Mark Goodwin & Associates
PO Box 90606
Albuquerque, NM, 87199

RE: Desert Sands Unit 1 (Lots listed below)
Engineer's Stamp Date: 8/18/16
Engineer's Certification Date: 9/21/17
Hydrology File: N09D014

Dear Mr. Goodwin:

PO Box 1293

Based upon the information provided in your Certification received 9/21/17 and site visit on 9/22/17, the above referenced Certification is acceptable for Building Pad Certification for following lots:

Albuquerque

NM 87103

www.cabq.gov

- Lots 1-2 & 44-47, Block 1
- Lots 1-11, Block 2
- Lots 13-25, Block 3
- Lots 1-8 & 13-20, Block 4
- Lots 1-13, Block 5
- Lots 1-27, Block 6
- Lots 12-15, Block 7
- Lots 16-18, Block 8

If you have any questions, please contact me at 924-3995 or rbrissette@cabq.gov.

Sincerely,

Reneé C. Brissette

Reneé C. Brissette, P.E. CFM
Senior Engineer, Hydrology
Planning Department



City of Albuquerque

Planning Department

Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 09/2015)

Project Title: _____ **Building Permit #:** _____ **City Drainage #:** _____

DRB#: _____ **EPC#:** _____ **Work Order#:** _____

Legal Description: _____

City Address: _____

Engineering Firm: _____ **Contact:** _____

Address: _____

Phone#: _____ **Fax#:** _____ **E-mail:** _____

Owner: _____ **Contact:** _____

Address: _____

Phone#: _____ **Fax#:** _____ **E-mail:** _____

Architect: _____ **Contact:** _____

Address: _____

Phone#: _____ **Fax#:** _____ **E-mail:** _____

Other Contact: _____ **Contact:** _____

Address: _____

Phone#: _____ **Fax#:** _____ **E-mail:** _____

Check all that Apply:

DEPARTMENT:

- ☐ HYDROLOGY/ DRAINAGE
☐ TRAFFIC/ TRANSPORTATION
☐ MS4/ EROSION & SEDIMENT CONTROL

TYPE OF SUBMITTAL:

- ☐ ENGINEER/ ARCHITECT CERTIFICATION
- ☐ CONCEPTUAL G & D PLAN
☐ GRADING PLAN
☐ DRAINAGE MASTER PLAN
☐ DRAINAGE REPORT
☐ CLOMR/LOMR
- ☐ TRAFFIC CIRCULATION LAYOUT (TCL)
☐ TRAFFIC IMPACT STUDY (TIS)
☐ EROSION & SEDIMENT CONTROL PLAN (ESC)
- ☐ OTHER (SPECIFY) _____

CHECK TYPE OF APPROVAL/ACCEPTANCE SOUGHT:

- ☐ BUILDING PERMIT APPROVAL
☐ CERTIFICATE OF OCCUPANCY
- ☐ PRELIMINARY PLAT APPROVAL
☐ SITE PLAN FOR SUB'D APPROVAL
☐ SITE PLAN FOR BLDG. PERMIT APPROVAL
☐ FINAL PLAT APPROVAL
☐ SIA/ RELEASE OF FINANCIAL GUARANTEE
☐ FOUNDATION PERMIT APPROVAL
☐ GRADING PERMIT APPROVAL
☐ SO-19 APPROVAL
☐ PAVING PERMIT APPROVAL
☐ GRADING/ PAD CERTIFICATION
☐ WORK ORDER APPROVAL
☐ CLOMR/LOMR
- ☐ PRE-DESIGN MEETING
☐ OTHER (SPECIFY) _____

IS THIS A RESUBMITTAL?: ☐ Yes ☐ No

DATE SUBMITTED: _____ **By:** _____

COA STAFF: _____ ELECTRONIC SUBMITTAL RECEIVED: _____



D. Mark Goodwin & Associates, P.A.
Consulting Engineers

P.O. BOX 90606, ALBUQUERQUE, NM 87199
(505) 828-2200 FAX 797-9539

~ 2012 ACEC/NM Award Winner for Engineering Excellence ~
~ 2008 ACEC/NM Award Winner for Engineering Excellence ~

September 21, 2017

Mr. Shahab Biazar
City of Albuquerque
600 2nd Street
Albuquerque, NM 87102

Re: Desert Sands Unit 1, DRB # 1005224

Dear Mr. Biazar,

Attached, please find a partial Grading and Drainage Certification for the referenced project.
This partial certification is for the following lots:

- LOTS 1- 2, & LOTS 44-47 BLOCK 1
- LOTS 1-11 BLOCK 2
- LOTS 13-25 BLOCK 3
- LOTS 1-8 & 13-20 BLOCK 4
- LOTS 1-13 BLOCK 5
- LOTS 1-27 BLOCK 6
- LOTS 12-15, BLOCK 7
- LOTS 16-18 BLOCK 8

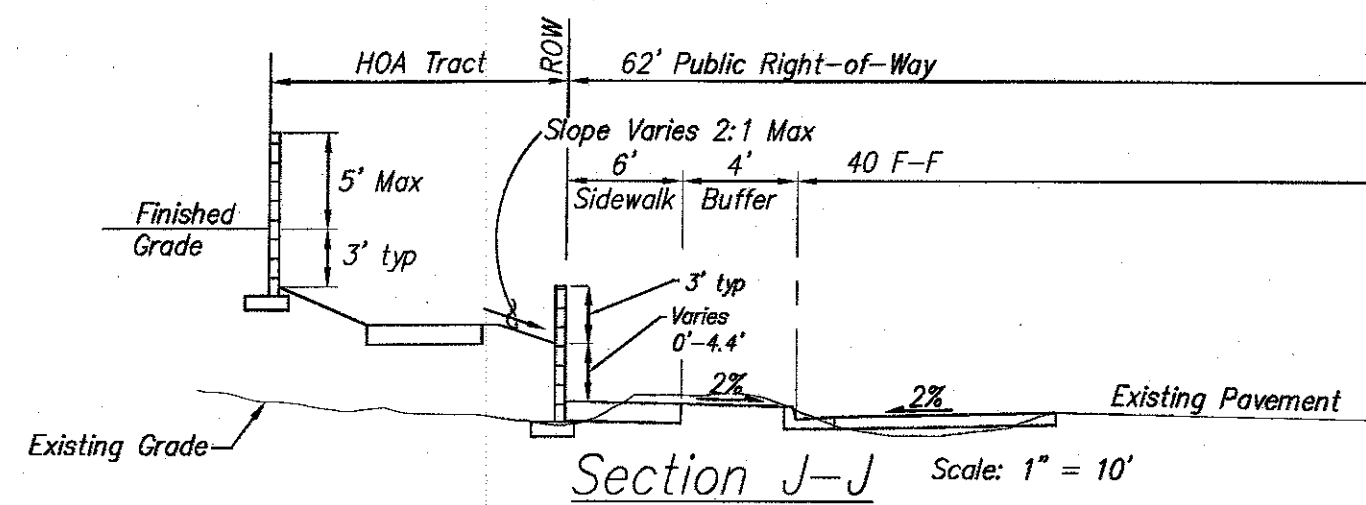
I inspected the site on September 20, 2017 and have reviewed the As-Builts and it is my belief that the lots have been graded in compliance with the approved Grading Plan. Furthermore, the retaining walls, curbs, pavement, and downstream drainage infrastructure are in place.

With the submittal we are requesting Building Permit Approval for the listed lots.

Please feel free to contact our office with questions.

Sincerely,
MARK GOODWIN & ASSOCIATES, PA

Mark Goodwin, PE
President

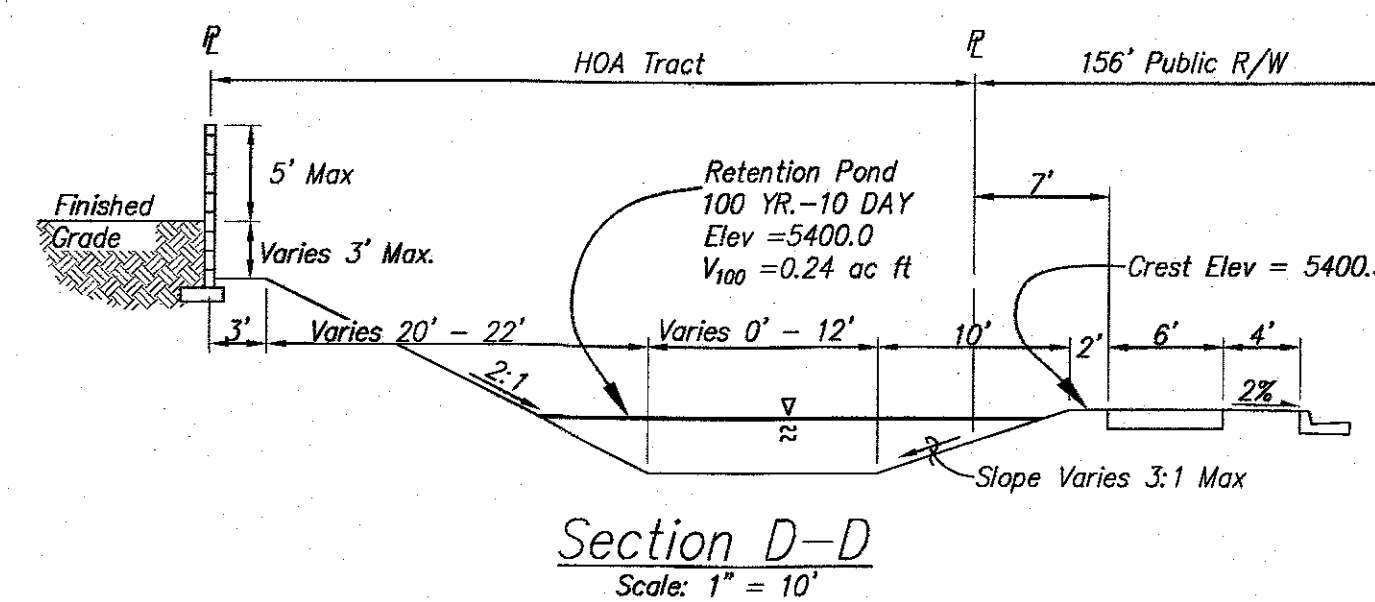
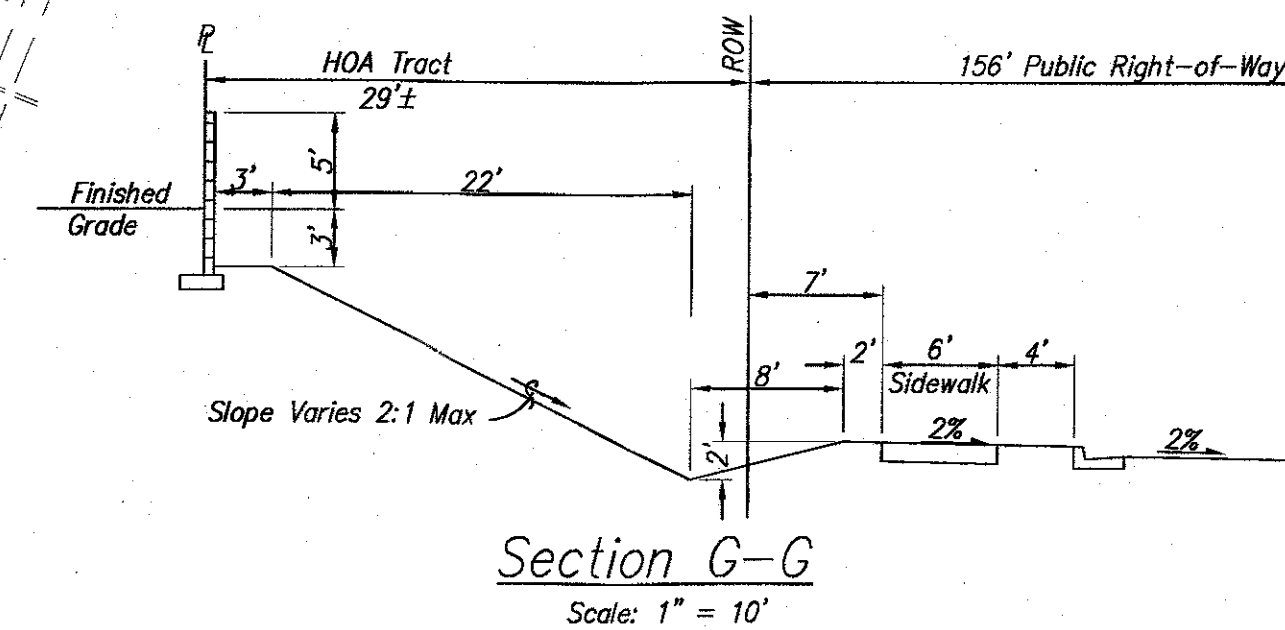
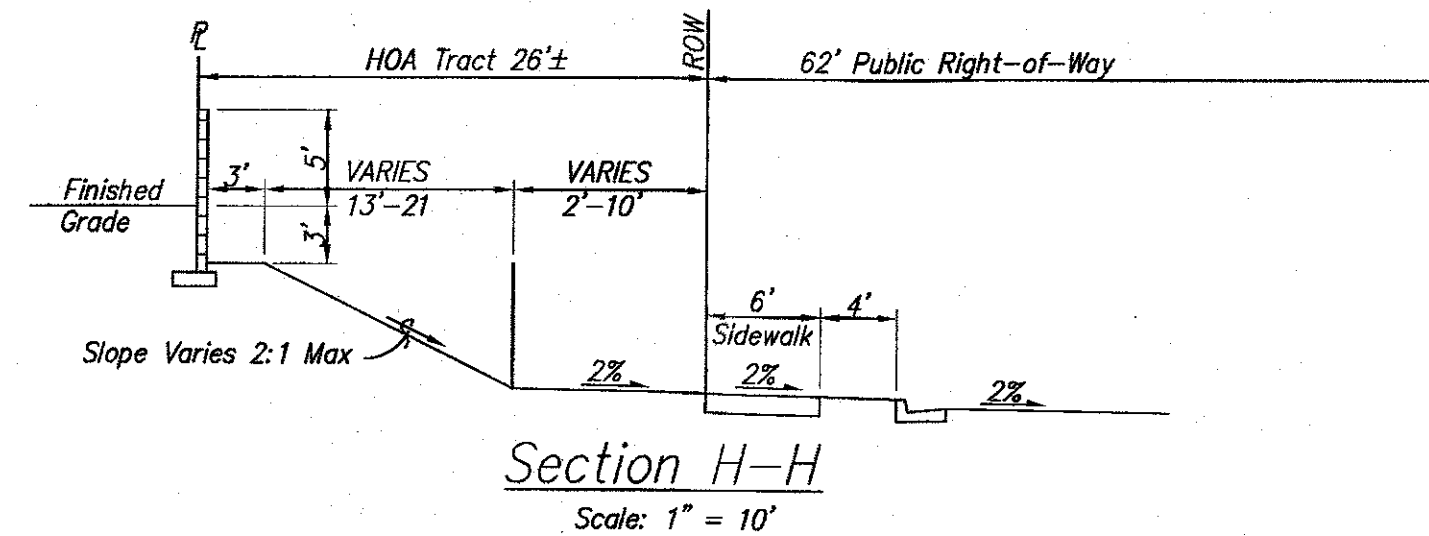


LEGEND

- 4" MOUNTABLE CURB AND GUTTER
- 8" STANDARD CURB AND GUTTER
- SIDEWALK CONSTRUCTED THIS PROJECT
- SIDEWALK TO BE DIFFERED
- LIMITS OF GRADING (THIS PROJECT)
- HANDICAPPED RAMP

- EXISTING PAVEMENT
- RETAINING WALLS THIS PROJECT
- RETAINING WALLS DEFERRED TO THE HOME BUILDERS
- EXISTING CONTOUR MAJOR
- EXISTING CONTOUR MINOR
- PROPOSED CONTOUR
- PROPOSED SLOPE
- FEMA FLOOD ZONE
- LOT NUMBER
- BLOCK NUMBER
- DIVIDE BETWEEN UNIT 1 & UNIT 2

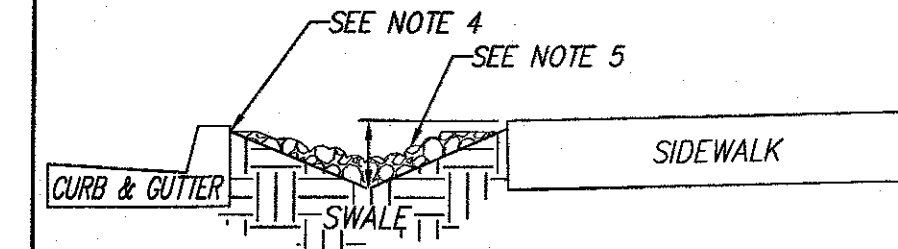
1-P1
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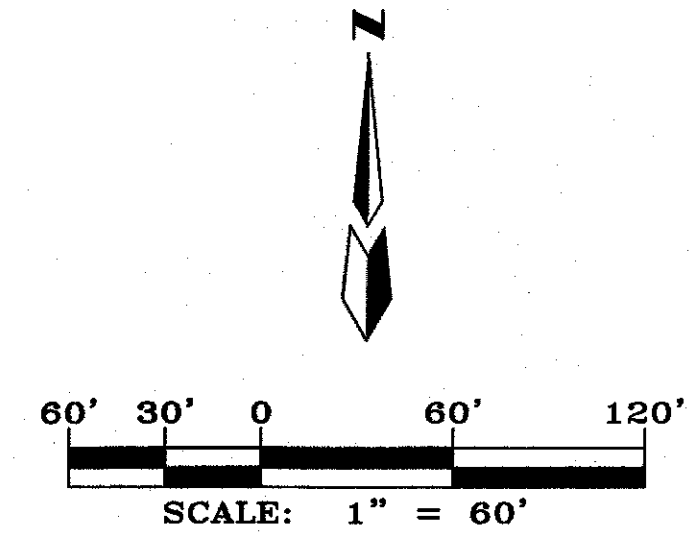
GRADING AND DRAINAGE CERTIFICATION

I, MARK GOODWIN, NMPE 8948, OF THE FIRM MARK GOODWIN & ASSOCIATES, P.A. HEREBY CERTIFY LOTS 1-2, & LOTS 44-47 BLOCK 1, LOTS 1-11 BLOCK 2, LOTS 13-25 BLOCK 3, LOTS 1-8 & 13-20 BLOCK 4, LOTS 1-13 BLOCK 5, LOTS 1-27 BLOCK 6, LOTS 12-15, BLOCK 7, LOTS 16-18 BLOCK 8 HAVE BEEN GRADED AND WILL DRAIN IN SUBSTANTIAL COMPLIANCE WITH AND IN ACCORDANCE WITH THE DESIGN INTENT OF THE APPROVED PLAN DATED AUGUST 18, 2016. THE RECORD INFORMATION EDITED ONTO THE ORIGINAL DESIGN DOCUMENT HAS BEEN OBTAINED BY RUSS HUGG, NMPS 9750. THIS CERTIFICATION IS SUBMITTED IN SUPPORT OF A REQUEST FOR GRADING CERTIFICATION APPROVAL, AND BUILDING PERMIT APPROVAL. 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 THIS RECORD DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ITS ACCURACY BEFORE USING IT FOR ANY OTHER PURPOSES.

Mark Goodwin 9/21/17
MARK GOODWIN NMPE 8948 DATE



- SWALE TO BE 6" DEEP WHEN THE DISTANCE BETWEEN BACK OF CURB AND THE SIDEWALK IS 5 FEET.
- SWALE TO BE 1" DEEPER THAN THE DISTANCE IN FEET BETWEEN THE BACK OF CURB AND THE SIDEWALK FOR LANDSCAPE BUFFERS DIFFERENT THAN 5 FEET WIDE.
- FOR WIDE LANDSCAPE BUFFERS, GREATER THAN 10 FEET, THE MAXIMUM DEPTH IS 10 INCHES.
- FINAL GRADE OF DIRT TO BE 1 TO 2 INCHES BELOW TOP OF CURB AND TOP OF SIDEWALK GRADE.
- SURFACE BETWEEN BACK OF CURB AND SIDEWALK TO BE COVERED WITH GRAVEL MULCH (MINIMUM 3/4"), COBBLES OR RIP-RAP. DO NOT FILL ENTIRE SWALE.
- A CHECK DAM WILL BE REQUIRED FOR SWALES ON STEEPER LONGITUDINAL SLOPS AND LONGER SECTIONS. THE WILL DETERMINE THE LOCATION.
- LANDSCAPE FABRIC IS RECOMMENDED, BUT NOT REQUIRED, BETWEEN THE DIRT AND THE STONE. IF LANDSCAPE FABRIC IS TO BE USED IT IS TO BE PERMEABLE.
- DETAIL IS TO BE BUILT FOR ALL NEW CONSTRUCTION. IN THE CASE WHERE THE SIDEWALK IS EXISTING AND THE LANDSCAPE BUFFER IS IMPROVED WITH LANDSCAPING AND/OR SOME FORM OF EROSION PROTECTION, THIS REQUIREMENT DOES NOT APPLY.



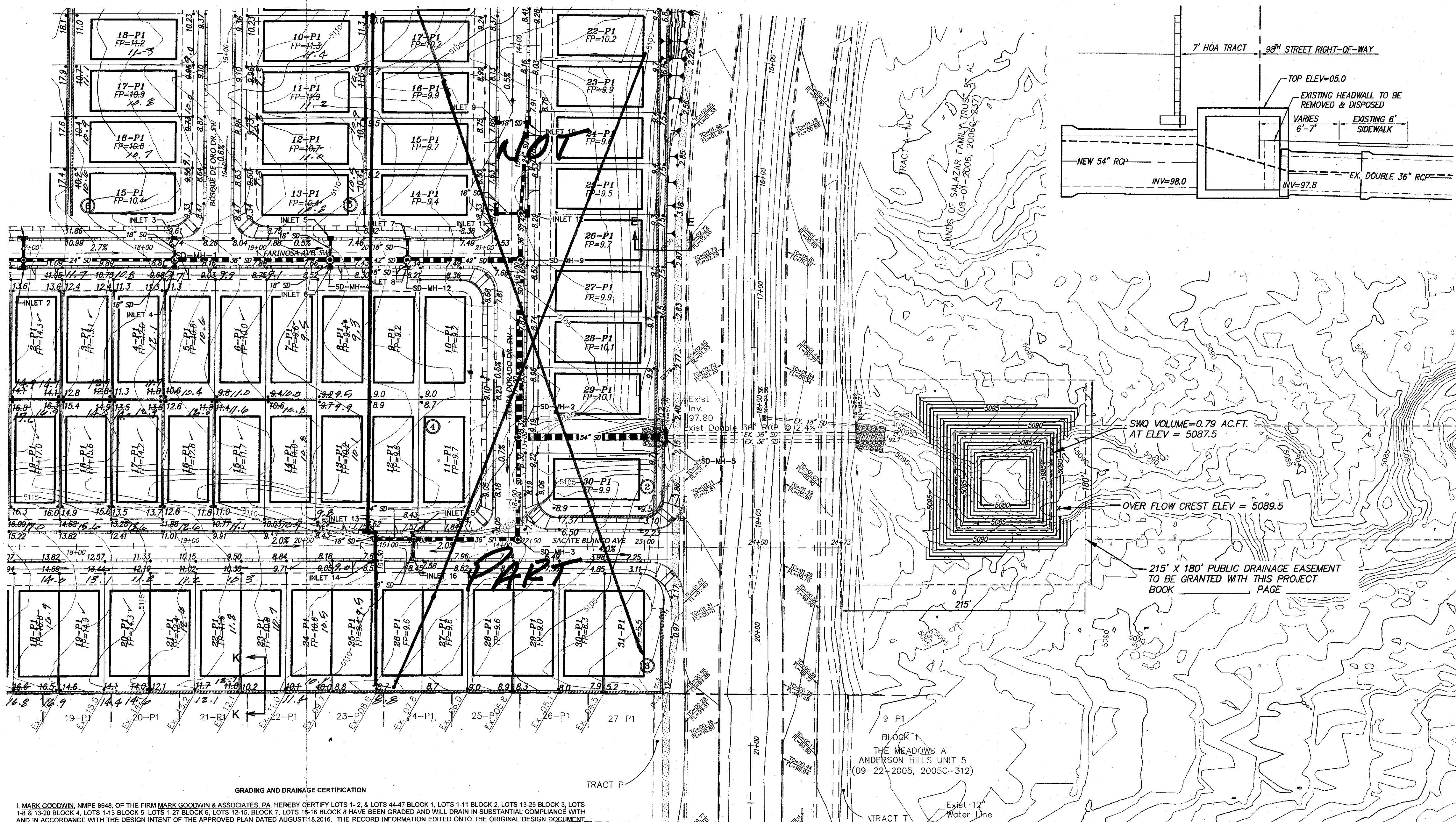
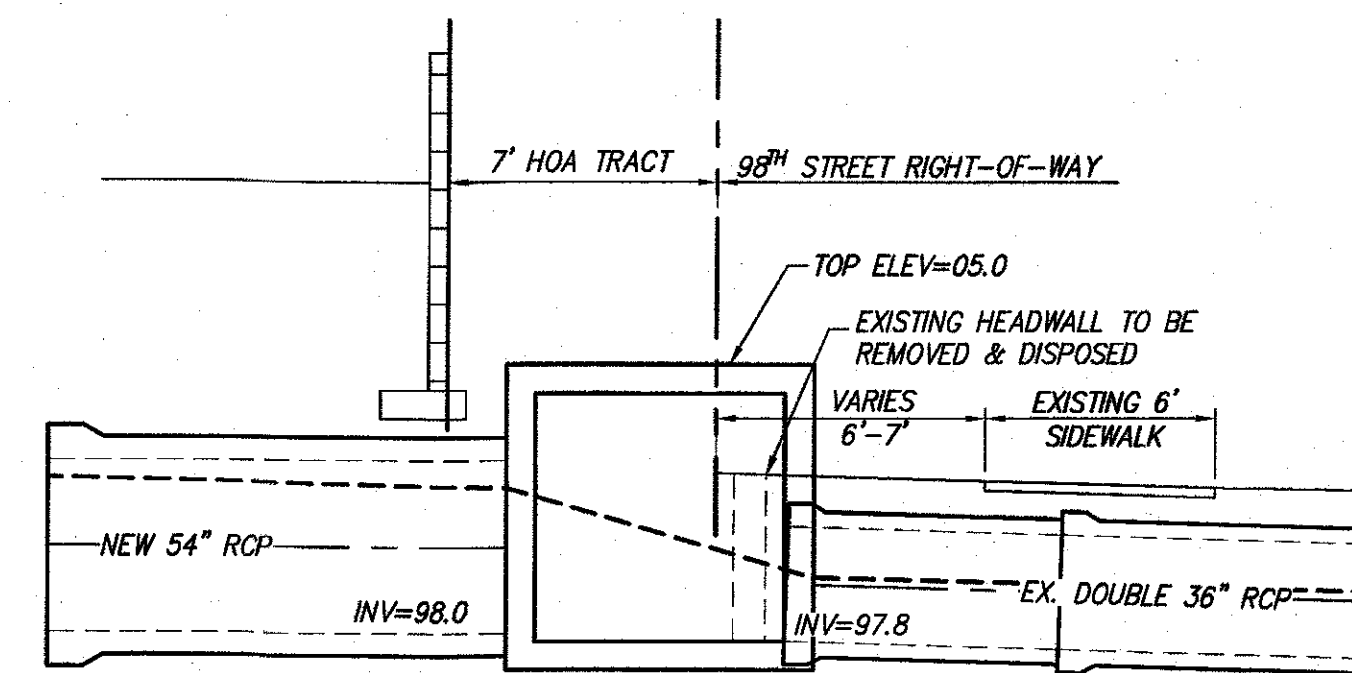
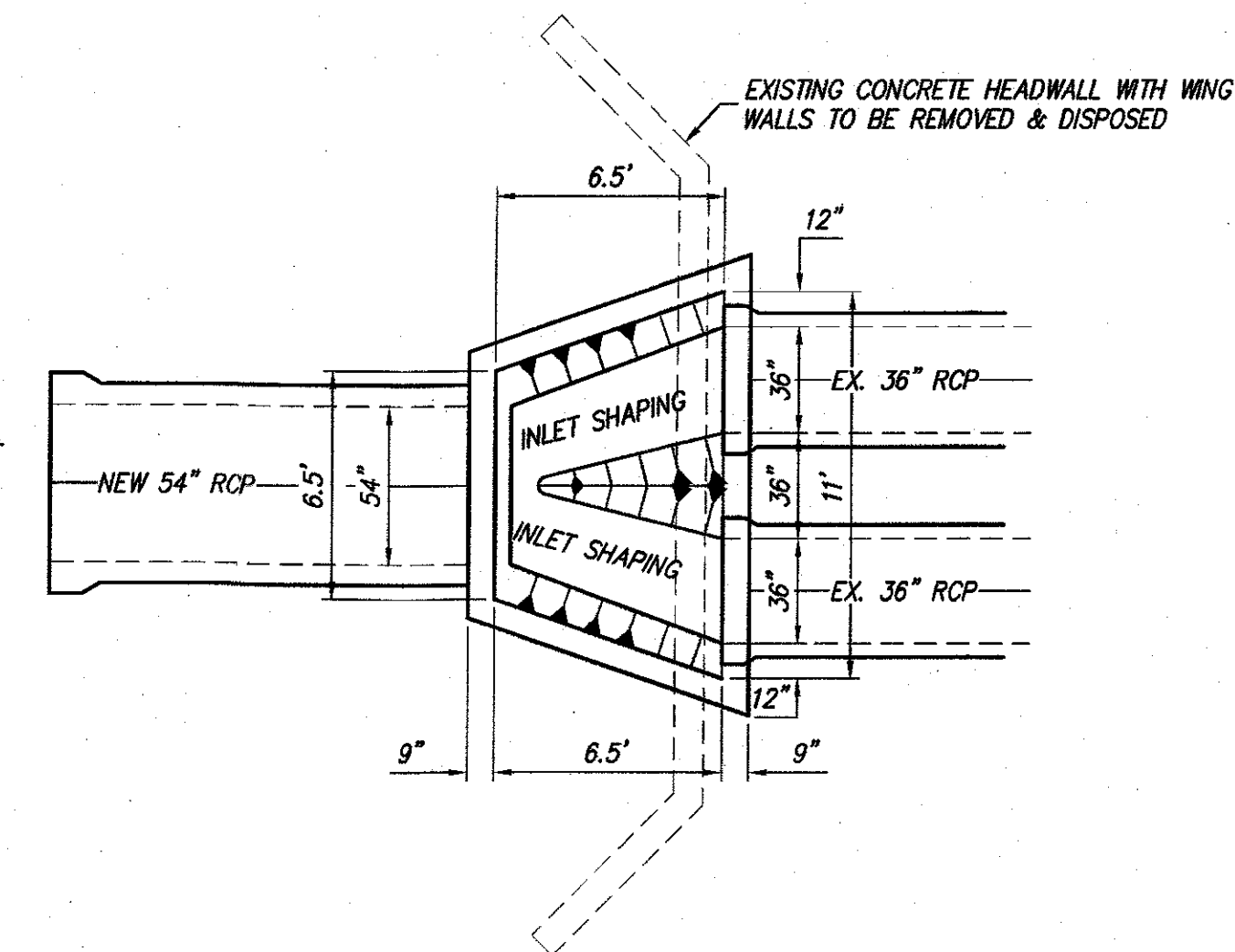
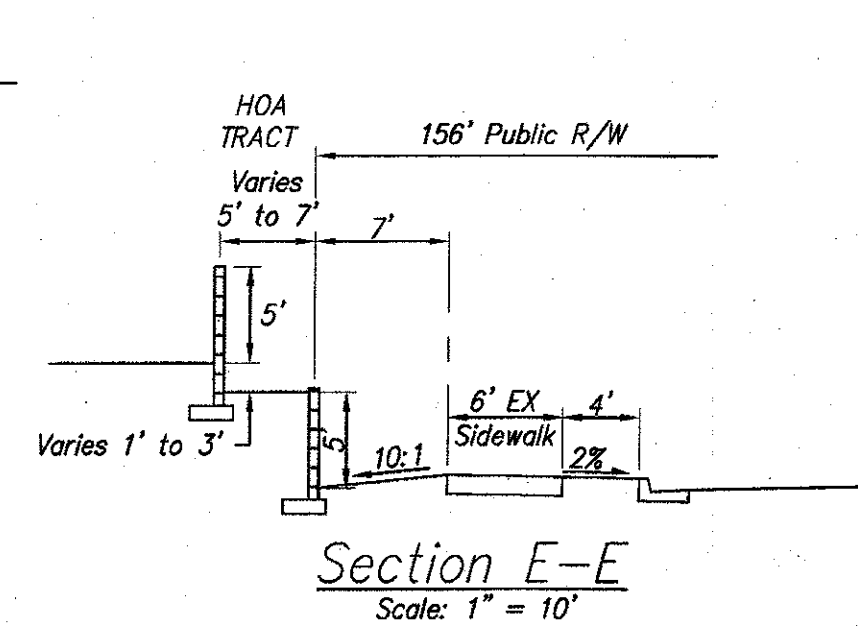
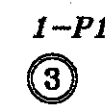
CERTIFICATE OF SUBSTANTIAL COMPLIANCE

dmg MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS
P.O. BOX 90606
ALBUQUERQUE, NEW MEXICO 87199
OFFICE (505) 828-2200, FAX (505) 797-9539

CITY OF ALBUQUERQUE PLANNING DEPARTMENT	
TITLE: DESERT SANDS SUBDIVISION GRADING & DRAINAGE PLAN	
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL
LAST DESIGN UPDATE	MO./DAY/YR.
CITY PROJECT NO.	ZONE MAP NO.
SHEET	OF
2	6

4" MOUNTABLE CURB AND GUTTER
8" STANDARD CURB AND GUTTER
SIDEWALK CONSTRUCTED THIS PROJECT
SIDEWALK TO BE DIFFERED
LIMITS OF GRADING (THIS PROJECT)
HANDICAPPED RAMP

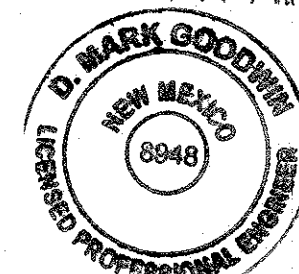
EXISTING PAVEMENT
RETAINING WALLS THIS PROJECT
RETAINING WALLS DEFERRED TO
THE HOME BUILDERS
EXISTING CONTOUR MAJOR
EXISTING CONTOUR MINOR
PROPOSED CONTOUR
PROPOSED SLOPE
FEMA FLOOD ZONE
LOT NUMBER
BLOCK NUMBER




1 MARK GOODWIN, MPE #848, OF THE FIRM MARK GOODWIN & ASSOCIATES, PA, HEREBY CERTIFY THAT 2, & LOTS 4447 BLOCK 1, LOTS 1111 BLOCK 2, LOTS 1325 BLOCK 3, LOTS 1-8 & 120 BLOCK 4, LOTS 113 BLOCK 5, LOTS 1-27 BLOCK 6, LOTS 12-15 BLOCK 7, LOTS 16-18 BLOCK 8 HAVE BEEN GRADED AND WILL DRAIN IN SUBSTANTIAL COMPLIANCE WITH AND IN ACCORDANCE WITH THE DESIGN INTENT OF THE APPROVED PLAN DATED AUGUST 18, 2018. THE RECORD INFORMATION EDITED ONTO THE ORIGINAL DESIGN DOCUMENT, AND INFORMATION OBTAINED BY RUSS HUGGINS, MPE# 9750, THIS CERTIFICATION IS SUBMITTED IN SUPPORT OF A REQUEST FOR GRADING CERTIFICATION APPROVAL AND BUILDING PERMIT APPROVAL.

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

MARK GOODWIN NMPE 8948 9/26/17
DATE



dmg MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS
P.O. BOX 90606
ALBUQUERQUE, NEW MEXICO 87199
OFFICE (505) 828-2200, FAX (505) 797-9539



CITY OF ALBUQUERQUE
PLANNING DEPARTMENT

TITLE:

DESERT SANDS SUBDIVISION
GRADING & DRAINAGE PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.
CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF	
		3	6	

8-18-2016

NO.		DATE	REMARKS	BY
<i>REVISIONS</i>				
DESIGN				
DESIGNED BY			<i>JDH</i>	DATE <i>03/16</i>
DRAWN BY			<i>SPS</i>	DATE <i>01/16</i>
CHECKED BY			<i>DMG</i>	DATE <i>01/16</i>

<p>VE</p> <p>NT</p> <p>VISION</p> <p>T PLAN</p>	
MO./DAY/YR.	MO./DAY/YR.
<p>SHEET OF</p> <p style="font-size: 2em; font-weight: bold; text-align: center;">3 6</p>	

1. MARK GOODWIN, NMFS #948, OF THE FIRM MARK GOODWIN & ASSOCIATES, PA. HEREBY CERTIFY THATS 1-2, AND LOTS 44-47 BLOCK 1, LOTS 1-11 BLOCK 2, LOTS 13-25 BLOCK 3, LOTS 1-8 BLOCK 4, LOTS 1-13 BLOCK 5, LOTS 1-27 BLOCK 6, LOTS 1-27 BLOCK 7, LOTS 16-18 BLOCK 8 HAVE BEEN GRANTED AND WILL DRAIN IN SUBSTANTIAL COMPLIANCE WITH THE DESIGN INFORMATION PRESENTED HEREON IN THE RECORD DOCUMENT DATED AUGUST 18, 2016. THE RECORD INFORMATION EDITED ONTO THE ORIGINAL DESIGN INFORMATION AND IN ACCORDANCE WITH THE DESIGN INTENT OF THE APPROVED PLAN DATED AUGUST 18, 2016. THE RECORD INFORMATION EDITED ONTO THE ORIGINAL DESIGN INFORMATION HAS BEEN OBTAINED BY RUSS HUSG. NMFS #759. THIS CERTIFICATION IS SUBMITTED IN SUPPORT OF A REQUEST FOR GRADING CERTIFICATE APPROVAL AND BUILDING PERMIT APPROVAL.

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MARK GOODWIN NMPE 8948 DATE 9/21/17



Diagram illustrating the cross-section of a retaining wall structure. The wall is shown as a vertical structure with a sloped backfill. The diagram includes the following labels:

- EXISTING BLOCK WALL TO REMAIN UNDISTURBED
- VARIABLES AS NECESSARY TO PREVENT DISTURBANCE TO EXISTING WALL
- EXISTING GROUND
- COMBINATION LANDSCAPE WALL AND SLOPE BY HOME BUILDER
- FINISHED LOT GRADE

GRADING BY DEVELOPER'S CONTRACTOR(S) TO NOT DISTURB EXISTING GRADE AT PROPERTY LINE AND TO INCLUDE A SLOPE NOT STEEPER THAN 2:1

GRADING BY HOME BUILDERS TO NOT DISTURB EXISTING GRADE AT PROPERTY LINE AND MAY INCLUDE A TEMPORARY 1:1 SLOPE DURING CONSTRUCTION OF RETAINING WALL OR MAY BE PERMANENTLY STABILIZED 1:1 SLOPE WITH EITHER TIMBER OR CONCRETE STABILIZATION.

Section K-K

4" MOUNTABLE CURB AND GUTTER

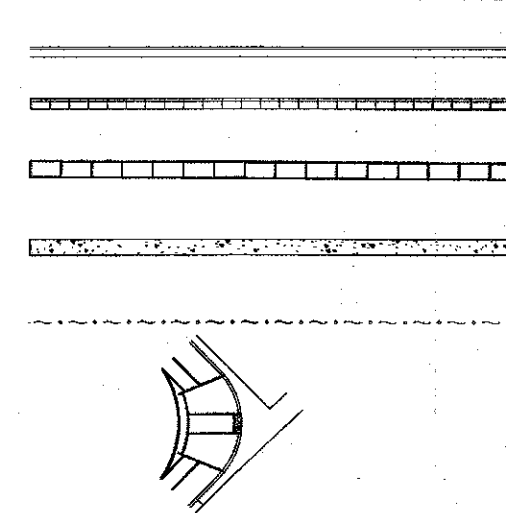
8" STANDARD CURB AND GUTTER

SIDEWALK CONSTRUCTED THIS PROJECT

SIDEWALK TO BE DIFFERED

LIMITS OF GRADING (THIS PROJECT)

HANDICAPPED RAMP



EXISTING PAVEMENT

RETAINING WALLS THIS PROJECT
RETAINING WALLS DEFERRED TO
THE HOME BUILDERS

EXISTING CONTOUR MAJOR

EXISTING CONTOUR MINOR

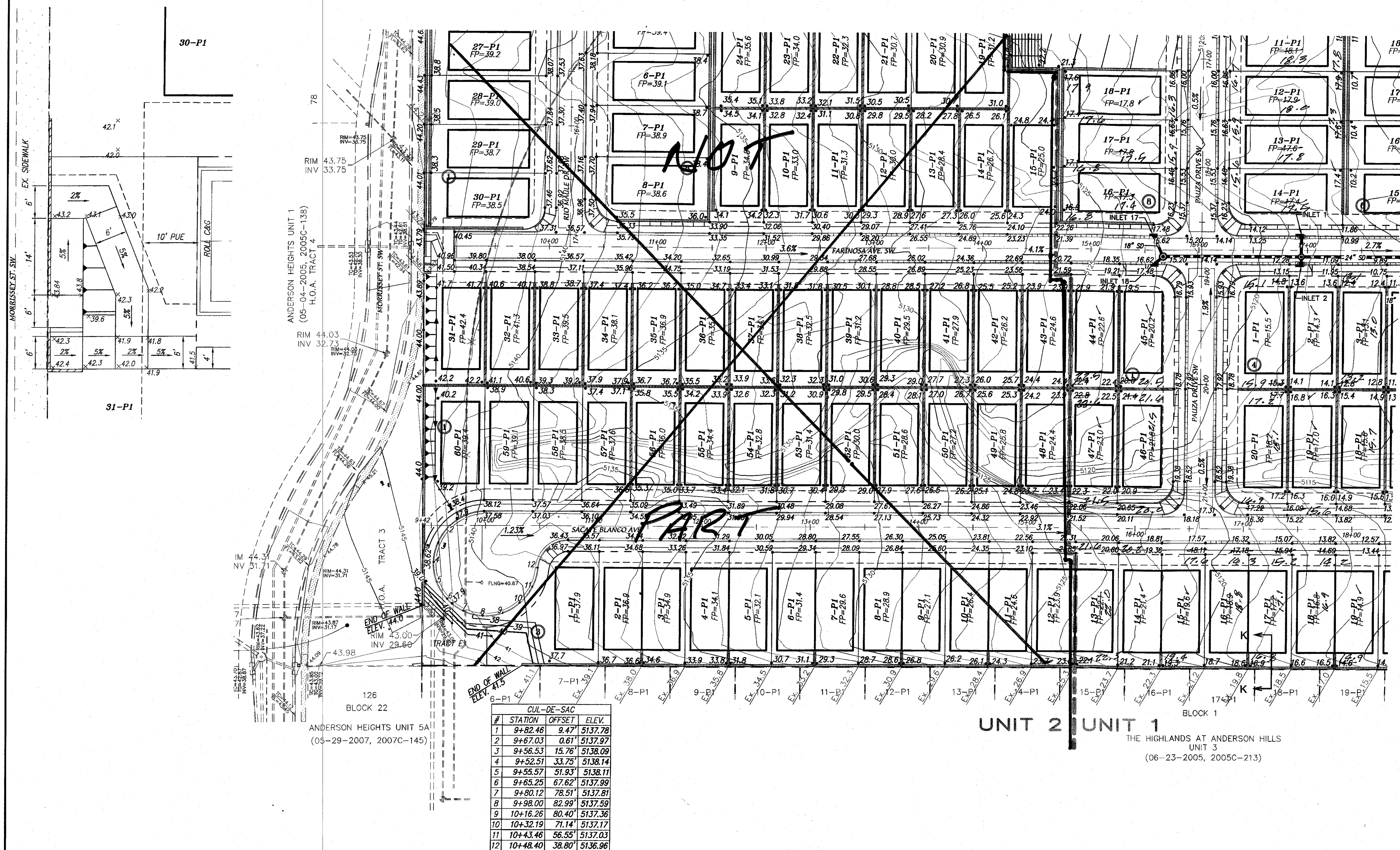
PROPOSED CONTOUR

PROPOSED SLOPE
FEMA FLOOD ZONE

FEMA FLOOD ZONE
LOT NUMBER

BLOCK NUMBER

DIVIDE BETWEEN



CERTIFICATE OF SUBSTANTIAL COMPLIANCE

dm

MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS
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CITY OF ALBUQUERQUE
PLANNING DEPARTMENT

TITLE: *DESERT SANDS SUBDIVISION
GRADING & DRAINAGE PLAN*

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL
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CITY PROJECT NO.

ZONE MAP NO.

SHEET	OF
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4 6

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