

CITY OF ALBUQUERQUE

Planning Department
David Campbell, Director



Mayor Timothy M. Keller

August 2, 2018

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

**RE: Desert Sands Unit 2
Grading and Drainage Plan
Engineer's Stamp Date: 8/18/16
Engineer's Certification Date: 07/23/18
Hydrology File: N09D014**

Dear Mr. Goodwin:

PO Box 1293

Based on the information provided in your submittal received 07/24/18 and site visit on 07/31/18, the Engineer's Certification is approved for ROFG/SIA for Hydrology.

Albuquerque

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

Sincerely,

NM 87103

www.cabq.gov

Renée 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 6/2018)

Project Title: Desert Sands Unit 2 Building Permit #: _____ Hydrology File #: NO9D014

DRB#: 1005224 EPC#: _____ Work Order#: _____

Legal Description: Tract A, Desert Sands Unit 1

City Address: 98th Street and Colobel

Applicant: LGI Homes - New Mexico, LLC Contact: Vince Hernandez

Address: 9150 E. Del Camino Dr. Suite 118 Scottsdale, AZ 85258

Phone#: 415-595-4293 Fax#: _____ E-mail: vince.hernandez@lgihomes.com

Other Contact: Mark Goodwin + Associates Contact: mark Goodwin

Address: PO Box 90606 Albuquerque, NM 87199

Phone#: 828-2200 Fax#: _____ E-mail: mark@goodwinengineers.com

TYPE OF DEVELOPMENT: 113 PLAT (# of lots) _____ RESIDENCE _____ DRB SITE _____ ADMIN SITE

IS THIS A RESUBMITTAL? _____ Yes No

DEPARTMENT _____ TRANSPORTATION HYDROLOGY/DRAINAGE

Check all that Apply:

TYPE OF SUBMITTAL:

- ENGINEER/ARCHITECT CERTIFICATION
- PAD CERTIFICATION
- _____ CONCEPTUAL G & D PLAN
- _____ GRADING PLAN
- _____ DRAINAGE REPORT
- _____ DRAINAGE MASTER PLAN
- _____ FLOODPLAIN DEVELOPMENT PERMIT APPLIC
- _____ ELEVATION CERTIFICATE
- _____ CLOMR/LOMR
- _____ TRAFFIC CIRCULATION LAYOUT (TCL)
- _____ TRAFFIC IMPACT STUDY (TIS)
- _____ STREET LIGHT LAYOUT
- _____ OTHER (SPECIFY) _____
- _____ PRE-DESIGN MEETING?

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
- _____ FLOODPLAIN DEVELOPMENT PERMIT
- _____ OTHER (SPECIFY) _____

DATE SUBMITTED: July 24, 18 By: mark Goodwin, PE

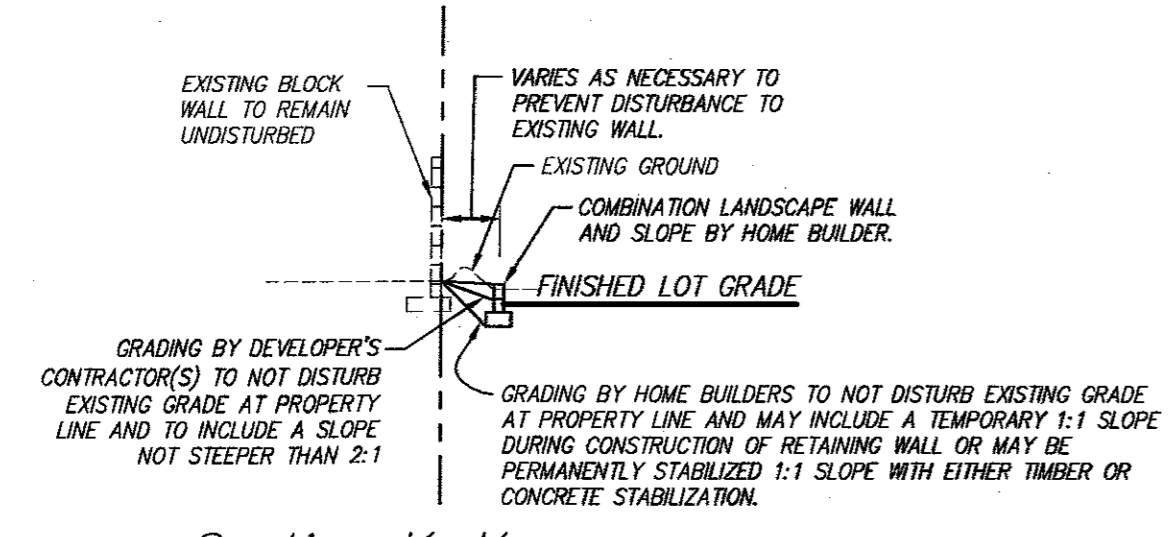
COA STAFF: _____

ELECTRONIC SUBMITTAL RECEIVED: _____

FEE PAID: _____

LEGEND

4" MOUNTABLE CURB AND GUTTER		EXISTING PAVEMENT	
8" STANDARD CURB AND GUTTER		RETAINING WALLS THIS PROJECT	
SIDEWALK CONSTRUCTED THIS PROJECT		RETAINING WALLS DEFERRED TO THE HOME BUILDERS	
SIDEWALK TO BE DEFERRED		EXISTING CONTOUR MAJOR	
LIMITS OF GRADING (THIS PROJECT)		EXISTING CONTOUR MINOR	
HANDICAPPED RAMP		PROPOSED CONTOUR	
		FEMA FLOODED ZONE	
		LOT NUMBER	
		BLOCK NUMBER	
		DIVIDE BETWEEN UNIT 1 & UNIT 2	

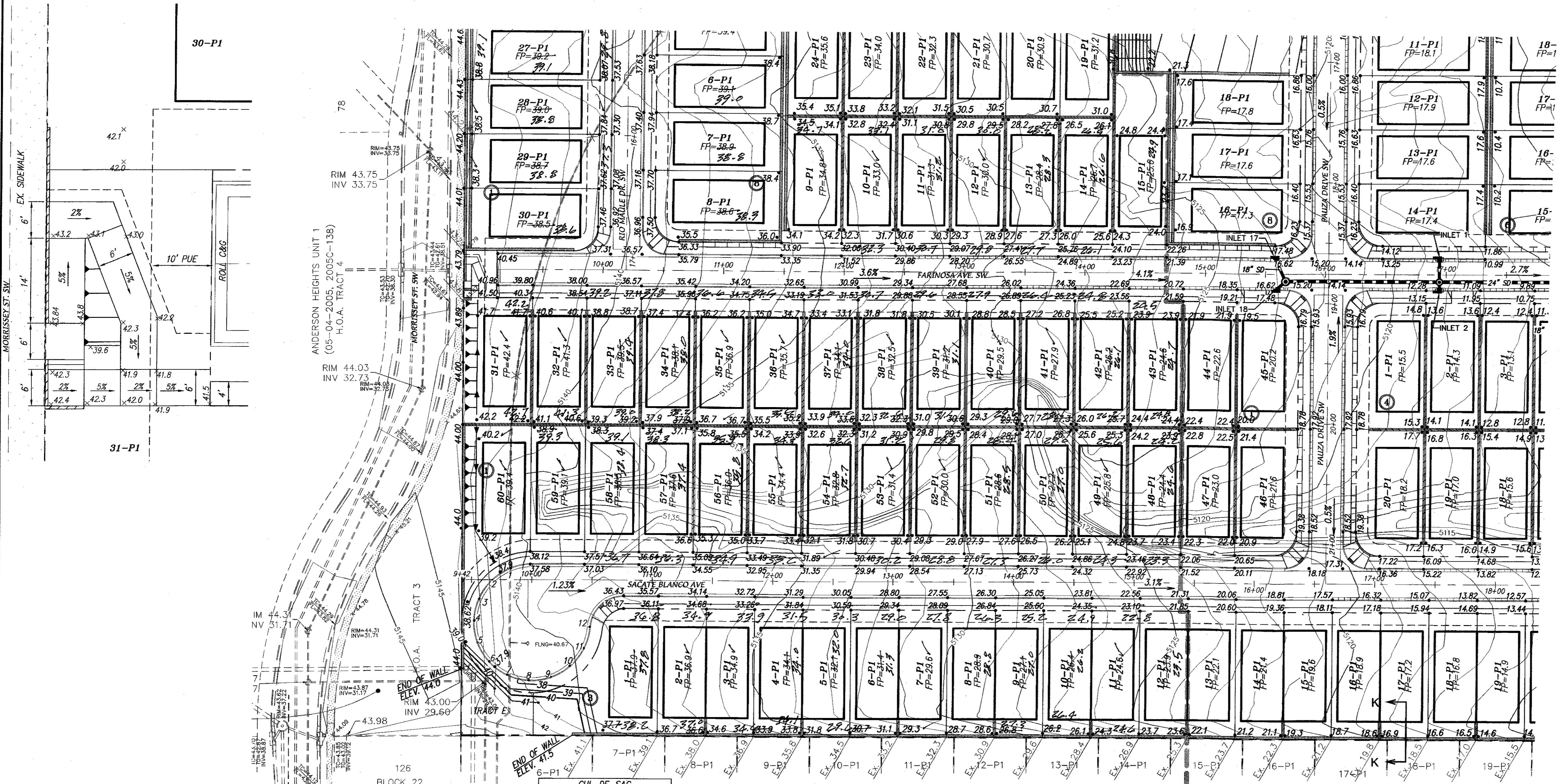


Section K-K

GRADING AND DRAINAGE CERTIFICATION

I, MARK GOODWIN, NMPE 8948, OF THE FIRM MARK GOODWIN & ASSOCIATES, P.A. 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 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 RELEASE OF FINANCIAL GUARANTY. 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 PURPOSE.

Mark Goodwin 7/23/18
 MARK GOODWIN NMPE 8948 DATE



STATION	OFFSET	ELEV.
1	9+82.46	9.47' 5137.78
2	9+67.03	0.61' 5137.97
3	9+56.53	15.76' 5138.09
4	9+52.51	33.75' 5138.14
5	9+55.57	51.93' 5138.11
6	9+65.25	67.62' 5137.99
7	9+80.12	78.51' 5137.81
8	9+98.00	82.99' 5137.59
9	10+16.26	80.40' 5137.36
10	10+32.19	71.14' 5137.17
11	10+43.46	56.55' 5137.03
12	10+48.40	38.80' 5136.96

AS BUILT INFORMATION	
CONTRACTOR	DATE
AGRS Aluminum Cap stamped TRANS 1969	From the intersection of Central Avenue and 98th Street SW go south on 98th Street 1.2 miles to the intersection of 98th Street and Snow Vista Boulevard. Then go southeast along Snow Vista Boulevard and the co-op electric transmission line 0.85 miles to pylon numbered 52. The station is just east of this point. Geographic Position (NAD83), in feet N.M. State Plane Coordinates (Central Zone) U=1471865.503, E=1495145.466 Elevation (NA088), in feet = 5121.089
BENCH MARKS	
CONTRACTOR	DATE
INSPECTOR'S FIELD CHANGE BY	DATE
GENERATION BY	DATE
CORRECTED BY	DATE
MICRO-FILM INFORMATION	
RECORDED BY	NO.

SURVEY INFORMATION	
FIELD NOTES	BY

ENGINEER'S SEAL	
NO.	DATE

NO.	DATE	REMARKS

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

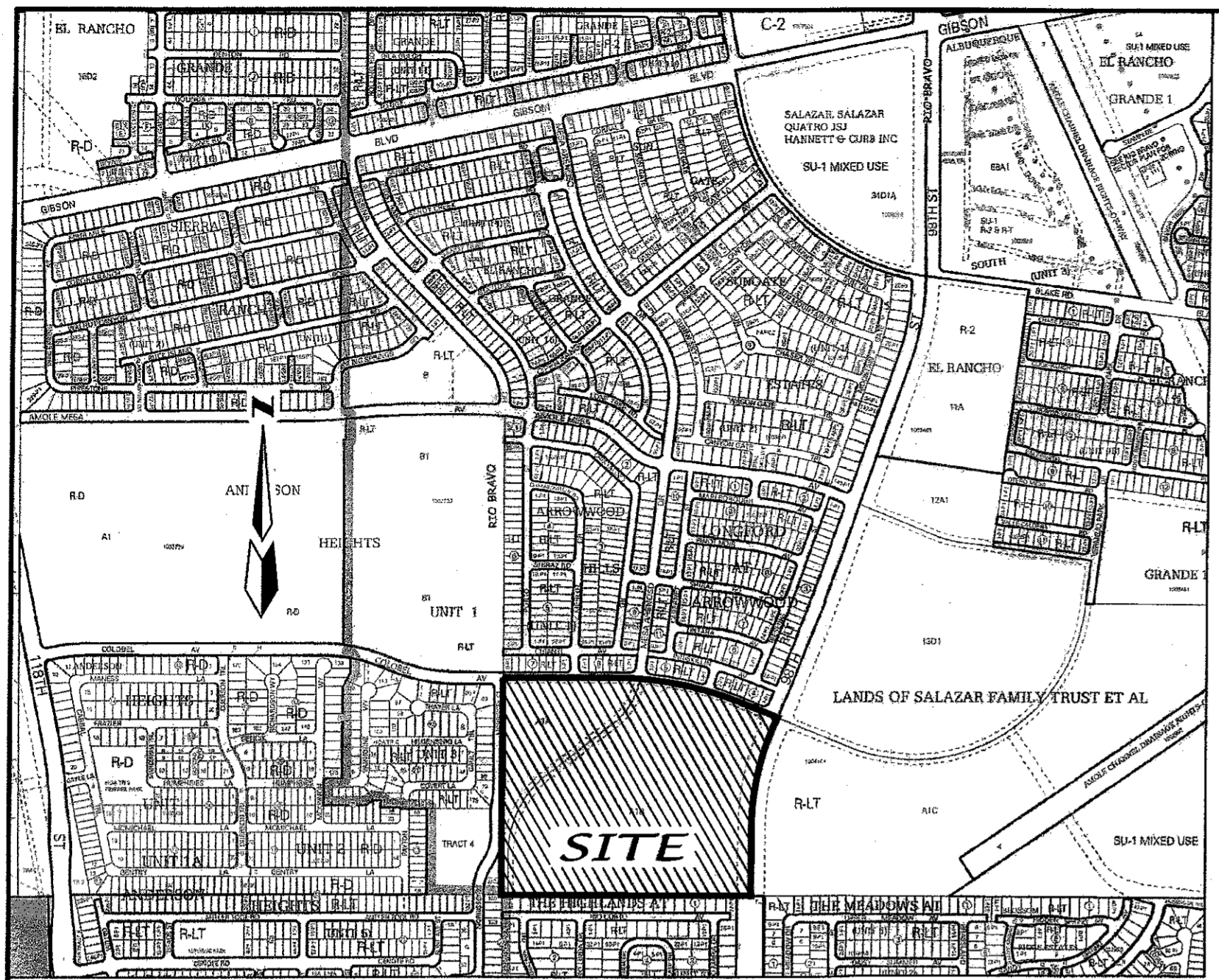
TITLE: **DESERT SANDS SUBDIVISION GRADING & DRAINAGE PLAN**

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.

DESIGNED BY: JDH DATE: 03/16
 DRAWN BY: SPS DATE: 01/16
 CHECKED BY: DMG DATE: 01/16

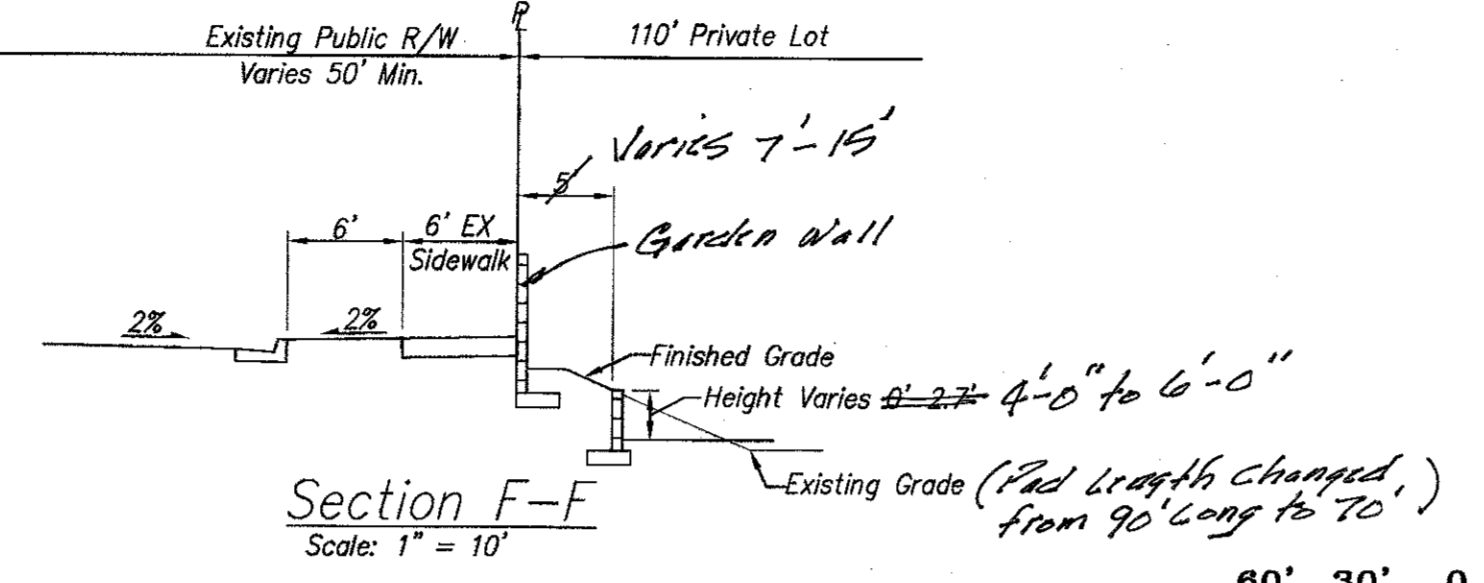
CITY PROJECT NO.	ZONE MAP NO.	SHEET OF
		4 6

F:\AL51050\AL51053.Lands of Salazar\GRADE & DRAINAGE\AL51053.GD - GD Plot 1.dwg, 8/18/2016, 10:19:16 AM, SPS



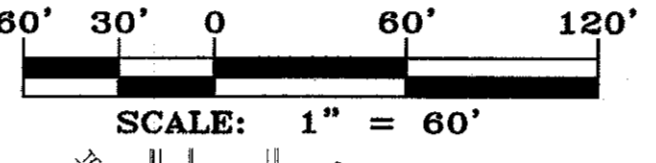
LEGEND

4" MOUNTABLE CURB AND GUTTER		EXISTING PAVEMENT	
8" STANDARD CURB AND GUTTER		RETAINING WALLS THIS PROJECT	
SIDEWALK CONSTRUCTED THIS PROJECT		RETAINING WALLS DEFERRED TO THE HOME BUILDERS	
SIDEWALK TO BE DEFERRED		EXISTING CONTOUR MAJOR	
LIMITS OF GRADING (THIS PROJECT)		EXISTING CONTOUR MINOR	
HANDICAPPED RAMP		PROPOSED CONTOUR	

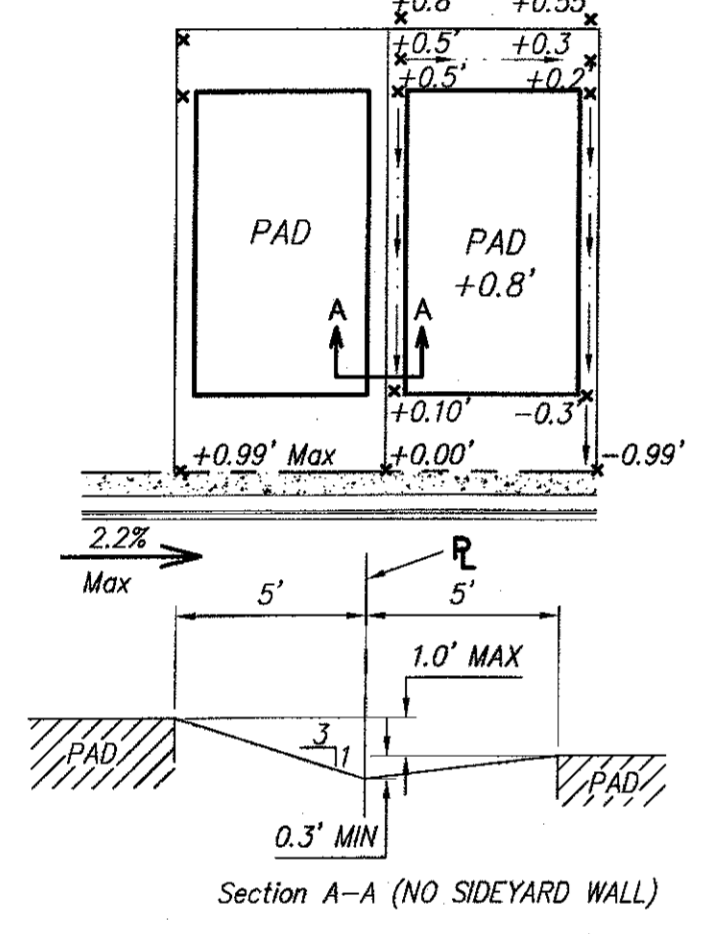


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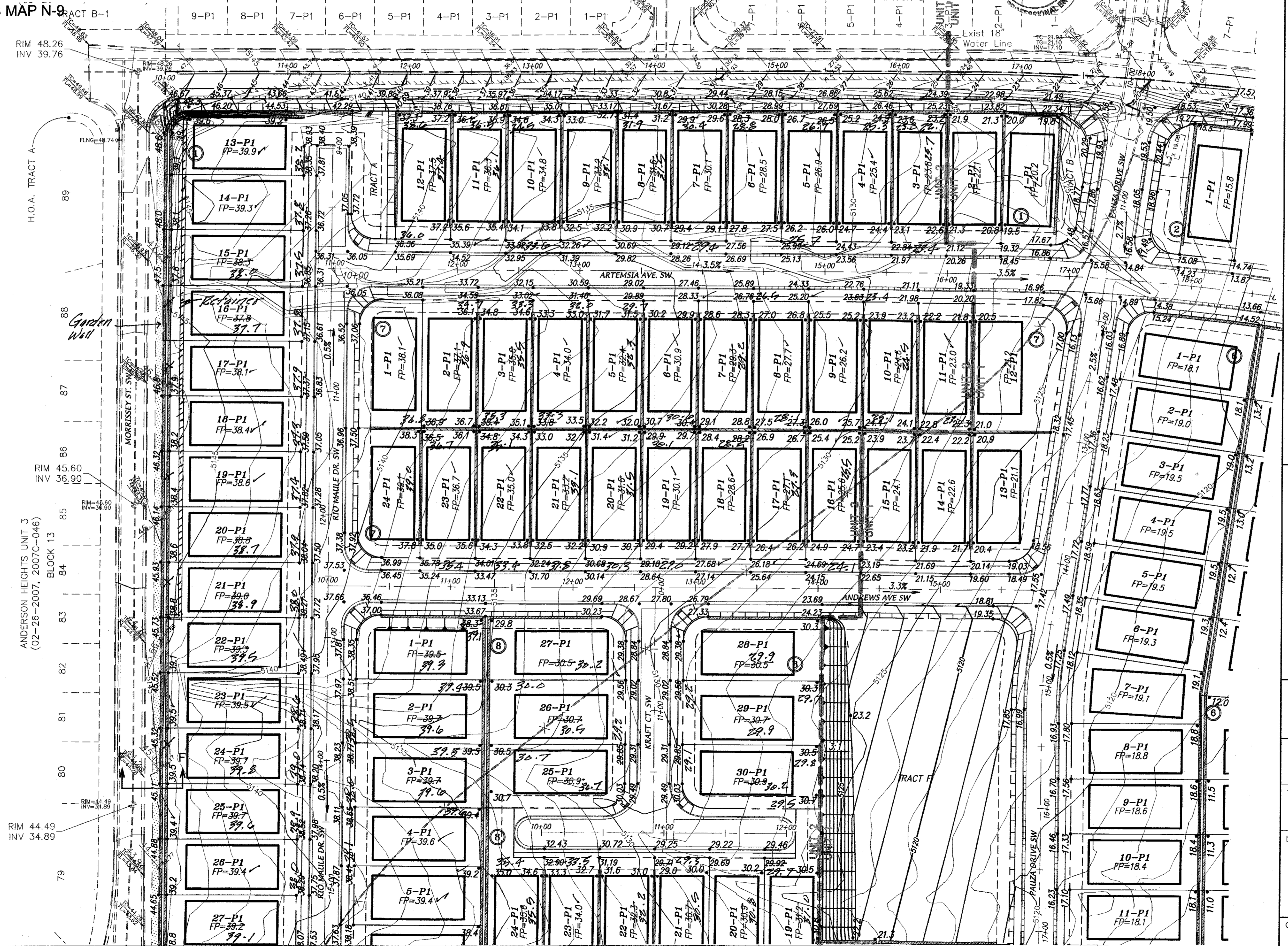
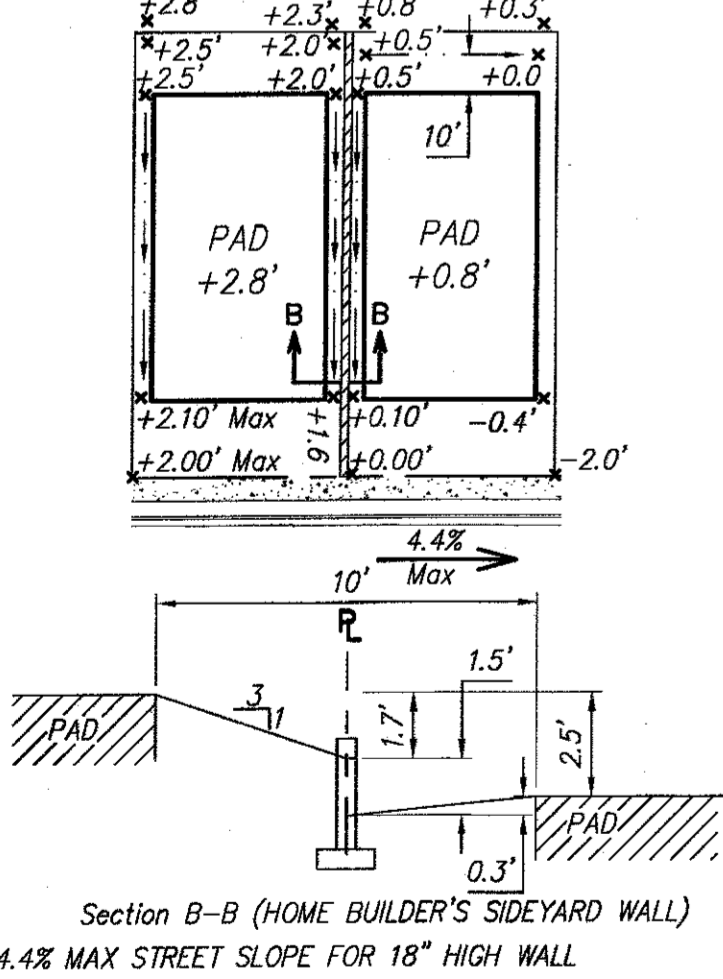
MARK GOODWIN NMPE 8948 DATE 7/23/18



TYPICAL LOT GRADING W/O SIDEYARD WALL



TYPICAL LOT GRADING WITH SIDEYARD WALL



GRADING NOTES:

- THE CONTRACTOR(S) MUST COMPLY WITH NPDES TEMPORARY CONSTRUCTION REQUIREMENTS AND OBTAIN A PERMIT. CONTRACTOR SHALL ALSO PROVIDE A COPY OF THE APPLICATION FOR PERMIT AND NOTICE OF TERMINATION TO THE OWNER.
- THE CONTRACTOR(S) IS RESPONSIBLE FOR PREPARING AND MAINTAINING A SWPPP FOR THE DURATION OF INFRASTRUCTURE CONSTRUCTION AND UNTIL THE CITY OF ALBUQUERQUE ACCEPTS THE PUBLIC INFRASTRUCTURE. CONTRACTOR SHALL PROVIDE THE OWNER WITH A COPY OF THE SWPPP AT THE BEGINNING OF THE PROJECT AND AT THE TIME OF NOTICE OF TERMINATION.
- THE CONTRACTOR(S) IS RESPONSIBLE FOR CONSTRUCTING AND MAINTAINING EROSION CONTROLS FOR THE DURATION OF THE CONSTRUCTION OF THE PUBLIC INFRASTRUCTURE AND FOR THE REMOVAL OF THE EROSION CONTROLS WHERE DIRECTED TO DO SO BY THE OWNER AT THE TIME OF NOTICE OF TERMINATION.
- THE CONTRACTOR IS RESPONSIBLE FOR CONSTRUCTION STAKING AND IS TO PROVIDE AN AS-BUILT SURVEY CERTIFIED BY A REGISTERED PROFESSIONAL SURVEYOR TO THE OWNER UPON COMPLETION OF THE CONSTRUCTION. THE EARTHWORK CONTRACTOR IS TO PROVIDE EARTHWORK SURVEY, AND THE WALL BUILDER IS TO PROVIDE WALL SURVEY.
- EARTHWORK CONTRACTOR SHALL PREPARE ROUGH SUBGRADE FOR THE RETAINING WALL CONSTRUCTION AND PROVIDE SUFFICIENT BACKFILL MATERIAL STOCKPILED ON THE HIGH SIDE OF EACH WALL FOR THE WALL BUILDER TO COMPLETELY BACKFILL THE WALLS.
- RETAINING WALLS ARE SHOWN FOR GRADING PURPOSES ONLY. RETAINING WALL DESIGN IS TO BE PERFORMED BY OTHERS, AND SHALL BE SUBMITTED TO THE CITY OF ALBUQUERQUE FOR REVIEW, APPROVAL, PERMIT, AND INSPECTION.
- EARTHWORK CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE GEOTECHNICAL INVESTIGATION BY XE VINEYARD, INC. DATED NOVEMBER 27, 2015.
- TOPOGRAPHIC AND BOUNDARY SURVEY ARE BY ALDRICH LAND SURVEYING MARCH 2016.
- BENCHMARK USED IS AGRS BRASS CAP STAMPED "TRANS 1969" HAVING AN ELEVATION OF 5121.089 (NAVD88).
- FEMA SPECIAL FLOOD HAZARD ZONE ON THIS PROPERTY AS SHOWN ON FIRM FP=35001COFP=336H AND FP=35001COFP=338H REVISED AUGUST 16, 2012
- EARTHWORK CONTRACTOR TO PROVIDE VIDEO DOCUMENTATION OF THE EXISTING CONDITION OF IMPROVEMENTS AROUND THE PERIMETER OF PROJECT TO THE OWNER PRIOR TO BEGINNING CONSTRUCTION.
- THE LANDSCAPE BUFFER BETWEEN THE BACK OF CURB AND SIDEWALK IS TO BE CONSTRUCTED ACCORDING TO THE "REVISION TO CITY STANDARD DRAWING 2405A AND 2405B (SEE SHEET 2) AT THE TIME OF SIDEWALK CONSTRUCTION. CHECK DAMS WILL BE LOCATED AT INTERVALS OF 1.0' VERTICAL FALL WHERE THE SWALES IS NOT OTHERWISE INTERRUPTED BY A DRIVEWAY. *Being completed by Home Builder*
- HOA TRACTS ARE TO BE PERMANENTLY STABILIZED WITH NATIVE SEED AND MULCH PER COA STANDARD SPECIFICATION 1012 UPDATE "X", IF THE OWNERS DON'T OTHERWISE LANDSCAPE THEIR PROPERTIES.
- PHASED CONSTRUCTION - BOTH UNITS 1 & 2 ARE TO BE GRADED AT THE SAME TIME. RETAINING WALL IN UNIT 2 WILL BE DEFERRED TO THE TIME OF UNIT 2 CONSTRUCTION, WITH SEPARATE ENGINEER'S CERTIFICATION AT THAT TIME. UNIT 2 IS TO BE TEMPORARILY STABILIZED WITH SPRAY ON STABILIZER, AND EROSION CONTROLS ARE TO REMAIN IN PLACE THERE UNTIL THE AREA IS PERMANENTLY STABILIZED.

CERTIFICATE OF SUBSTANTIAL COMPLIANCE

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ALBUQUERQUE, NEW MEXICO 87199
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CITY OF ALBUQUERQUE PLANNING DEPARTMENT

TITLE: **DESERT SANDS SUBDIVISION GRADING & DRAINAGE PLAN**

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.

CITY PROJECT NO. ZONE MAP NO. SHEET 1 OF 6

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