

CITY OF ALBUQUERQUE



November 1, 2017

Yolanda Padilla-Moyer, PE
Bohannon-Huston
7500 Jefferson St NE Courtyard I
Albuquerque, NM 87109

Re: ^{PULTE} ~~Del Webb~~ @ Mirehaven 2B
Pad Certification for lots 108-113, 115-116, 118-129, 131-139
Engineer's Stamp dated: 1-28-16 (H09D017E)
Certification dated: 10-25-17

Dear Ms. Padilla-Moyer,

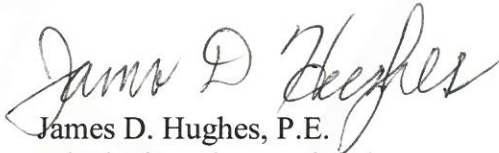
Based on the Certifications received 10/25/17, the above referenced Certification for the above mentioned is acceptable for building permit by Hydrology.

If you have any questions, you can contact me at 924-3986 or Totten Elliott at 924-3982.

PO Box 1293

Sincerely,

Albuquerque


James D. Hughes, P.E.
Principal Engineer, Planning Dept.
Development and Review Services

NM 87103

TE/JH
C: email

www.cabq.gov

October 25, 2017

Mr. Doug Hughes
Hydrology Section
City of Albuquerque
600 2nd Street NW
Albuquerque, NM 87102

Re: Partial Grading and Drainage Certification (Lots 103, 108-113, 115-116, 118-129, 131-139) Pulte @ Mirehaven Phase 2B - DRB Case No. 1006864

Dear Doug:

We are submitting a partial grading and drainage certification for Pulte @ Mirehaven Phase 2B. The partial certification includes Lots 103, 108-113, 115-116, 118-129, 131-139. Enclosed for your review is the approved grading and drainage plan dated 01/15/16 1/28/16, rev #1 01-16, rev#2 08/16. These lots have been graded; retaining walls, curb and gutter, pavement and downstream infrastructure have been constructed. The remaining lots have been graded, but the retaining walls have not been completed. The remaining lots will be certified once construction of all improvements has been completed.

During site inspection, you might notice that there are depressions in the back yards. The purpose of the depressions is to provide a place to spoil dirt that is generated with the footing construction and they will be filled at the time of home construction. The depressions are not intended to serve as ponds.

After reviewing these as-built elevations and visiting the site on 10-05-17. It is my belief that the above lots have been graded in substantial compliance with the approved grading and drainage plan and that the interim drainage improvements allow runoff to be managed in the interim condition.

Your review and approval is requested for Building Permit Approval for the above listed buildings. I appreciate your time and consideration. If you have questions or require additional information, please contact me at 823-1000.

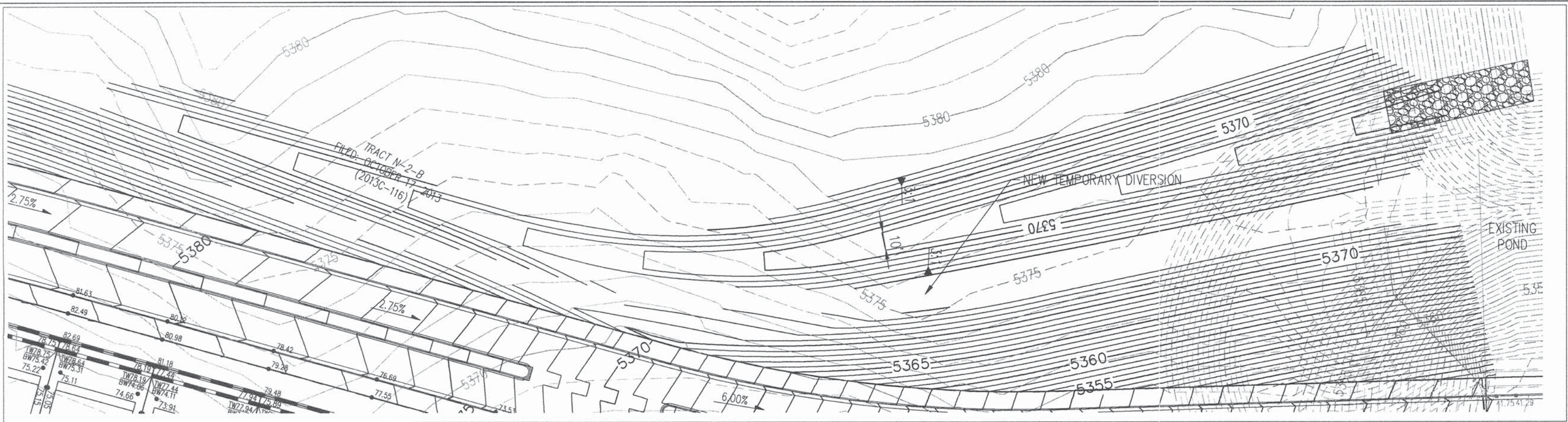
Sincerely,



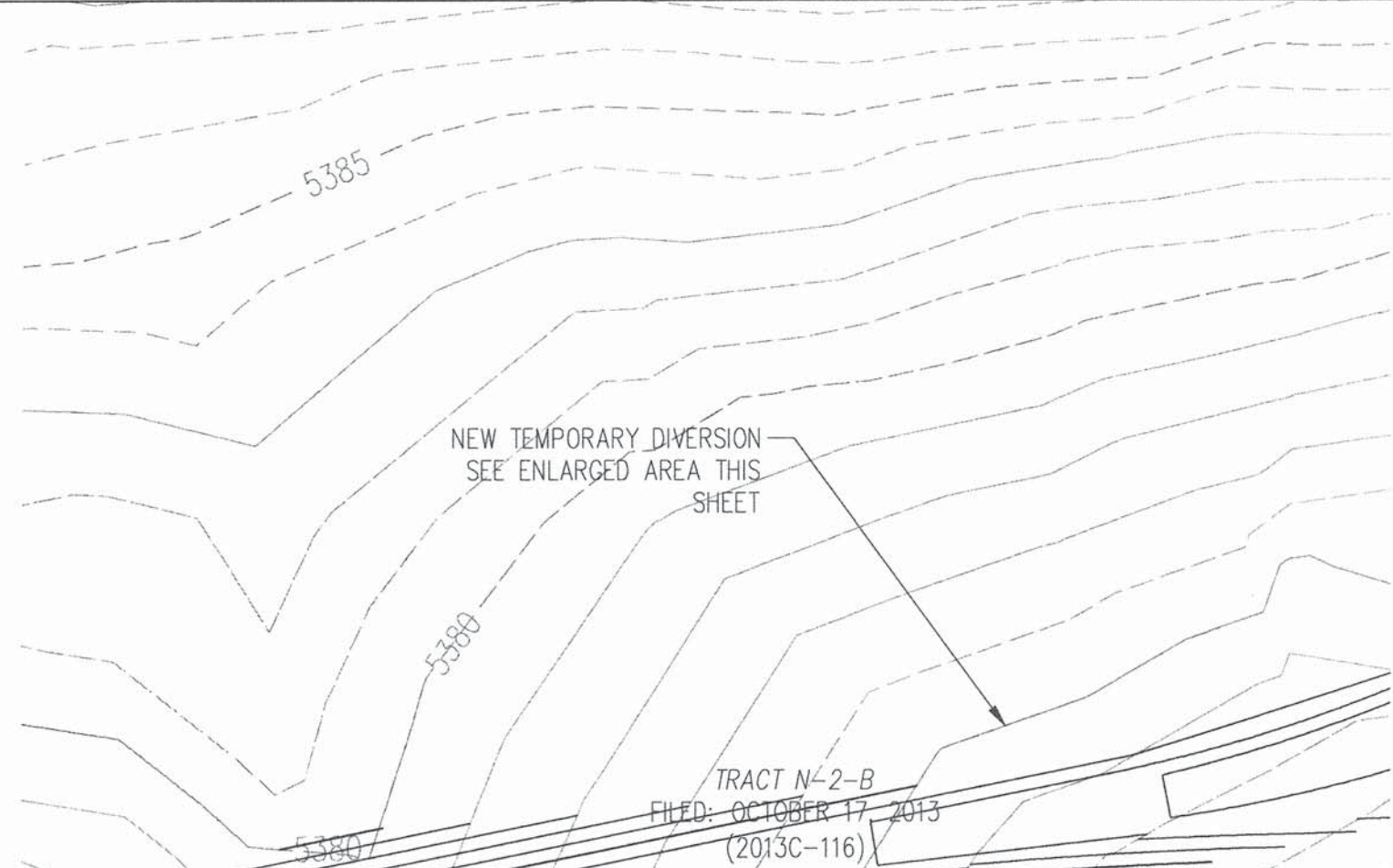
Yolanda Padilla Moyer, P.E.
Senior Project Manager
Community Development & Planning

Enclosure

cc: Kevin Patton, Pulte Group



ENLARGED POND AREA
SCALE: 1"=50'



- LEGEND**
- PROPOSED SPOT ELEVATION
 - EXISTING SPOT ELEVATION
 - PROPOSED CONTOUR
 - EXISTING STORM DRAIN LINE
 - PROPOSED STORM DRAIN INLET
 - PROPOSED STORM DRAIN LINE
 - PROPOSED STORM DRAIN MANHOLE
 - PROPOSED WATER BLOCK
 - RETAINING WALL
 - PAD
 - WALL OPENING
 - STREET SLOPE
 - COBBLE RUNDOWN

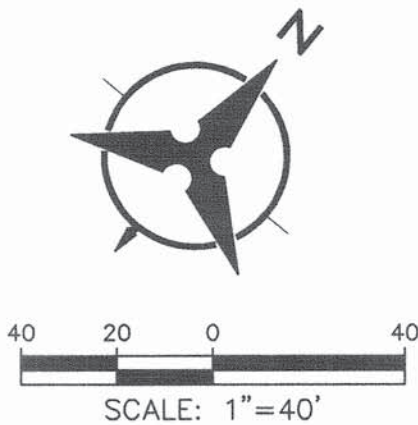
GRADING AND DRAINAGE CERTIFICATION

I, YOLANDA PADILLA MOYER, NMPE 16035, OF THE FIRM BOHANNAN HUSTON, HEREBY CERTIFY LOTS 103, 109-113, 115-116, 118-129, 131-139 AT PULTE @ MIREHAVEN PHASE 2, HAVE BEEN GRADED AND WILL DRAIN IN SUBSTANTIAL COMPLIANCE WITH AND IN ACCORDANCE WITH THE DESIGN INTENT OF THE APPROVED GRADING AND DRAINAGE PLAN DATED 01-15-16, REV#1 01/16 AND REV#2 08/16. THE RECORD INFORMATION EDITED ONTO THE ORIGINAL DESIGN DOCUMENT HAS BEEN PROVIDED BY BRIAN J. MARTINEZ, NMPS 18374, OF CARTESIAN SURVEYS. I FURTHER CERTIFY THAT I HAVE PERSONALLY VISITED THE PROJECT SITE 10/05/17 AND HAVE DETERMINED BY VISUAL INSPECTION THAT THE DATA PROVIDED IS REPRESENTATIVE OF ACUTAL SITE CONDITIONS AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

THE RECORD INFORMATION PRESENTED HEREON IS NOT NECESSARILY COMPLETE AND INTENDED ONLY TO VERIFY SUBSTANTIAL COMPLIANCE OF THE GRADING 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.

Yolanda Padilla Moyer
YOLANDA PADILLA MOYER, NMPE 16035

10/25/17
DATE



Bohannon & Huston
www.bhinc.com 800.877.5332



CITY OF ALBUQUERQUE
DEPARTMENT OF
MUNICIPAL DEVELOPMENT

PULTE @ MIREHAVEN PHASE 2
GRADING PLAN

DESIGN REVIEW COMMITTEE

CITY ENGINEER APPROVAL

LAST DESIGN
UPDATE

CITY PROJECT NO.

ZONE MAP NO.

SHEET

OF

5

| SURVEY INFORMATION | | BENCH MARKS | | AS-BUILT INFORMATION | |
|--------------------|----|-------------|---------------------------------------------|----------------------|------|
| NO. | BY | DATE | USC&GS BRASS DISC STAMPED "REWARD 1969" | CONTRACTOR | DATE |
| | | | | | |
| NO. | BY | DATE | GEOGRAPHIC POSITION (NAD 83) | INSPECTOR'S | DATE |
| | | | | | |
| NO. | BY | DATE | N.M. STATE PLANE COORDINATES (CENTRAL ZONE) | ACCEPTANCE BY | DATE |
| | | | | | |
| NO. | BY | DATE | N=1487364.063 E=1491190.819 | VERIFICATION BY | DATE |
| | | | | | |
| NO. | BY | DATE | GROUND TO GRID = 0.999675005 | DRAWN BY | DATE |
| | | | | | |
| NO. | BY | DATE | DELTA ALPHA = -0.00712.26" | RECORDED BY | DATE |
| | | | | | |
| NO. | BY | DATE | NAVD 1988 ELEVATION = 5319.688 | NO. | DATE |
| | | | | | |



REMARKS

REVISIONS

DESIGN

DESIGNED BY YPM
DATE:12/2015

DRAWN BY AR
DATE:12/2015

CHECKED BY YPM
DATE:12/2015



- LEGEND**
- PROPOSED SPOT ELEVATION
 - EXISTING SPOT ELEVATION
 - PROPOSED CONTOUR
 - EXISTING STORM DRAIN LINE
 - PROPOSED STORM DRAIN INLET
 - PROPOSED STORM DRAIN LINE
 - PROPOSED STORM DRAIN MANHOLE
 - PROPOSED WATER BLOCK
 - RETAINING WALL
 - PAD
 - WALL OPENING
 - STREET SLOPE

CONTRACTOR SHALL INSTALL 7' WIDE 1' DEEP SWALE ALONG THE EAST PROPERTY LINE AND 5' SIDE 1' DEEP SWALE ALONG THE NORTH PROPERTY LINE WHERE LOTS DRAIN TO THE BACK OF THE LOT. SWALE SHALL BE 12" OF 95% COMPACTION WITH FILTER FABRIC AND 1" TO 2" FRACTURED COBBLE

GRADING AND DRAINAGE CERTIFICATION

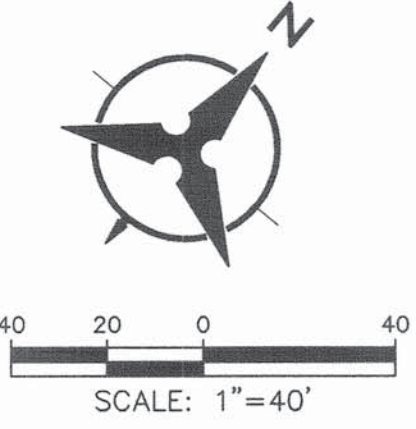
I, YOLANDA PADILLA MOYER, NMPE 16035, OF THE FIRM BOHANNAN HUSTON, HEREBY CERTIFY LOTS 103, 109-113, 115-116, 118-129, 131-139 AT PULTE @ MIREHAVEN PHASE 2, HAVE BEEN GRADED AND WILL DRAIN IN SUBSTANTIAL COMPLIANCE WITH AND IN ACCORDANCE WITH THE DESIGN INTENT OF THE APPROVED GRADING AND DRAINAGE PLAN DATED 01-15-16, REV#1 01/16 AND REV#2 08/16. THE RECORD INFORMATION EDITED ONTO THE ORIGINAL DESIGN DOCUMENT HAS BEEN PROVIDED BY BRIAN J. MARTINEZ, NMPS 18374, OF CARTESIAN SURVEYS. I FURTHER CERTIFY THAT I HAVE PERSONALLY VISITED THE PROJECT SITE 10/05/17 AND HAVE DETERMINED BY VISUAL INSPECTION THAT THE DATA PROVIDED IS REPRESENTATIVE OF ACTUAL SITE CONDITIONS AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

THE RECORD INFORMATION PRESENTED HEREON IS NOT NECESSARILY COMPLETE AND INTENDED ONLY TO VERIFY SUBSTANTIAL COMPLIANCE OF THE GRADING 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.

Yolanda Padilla Moyer
YOLANDA PADILLA MOYER, NMPE 16035

10/25/17

DATE



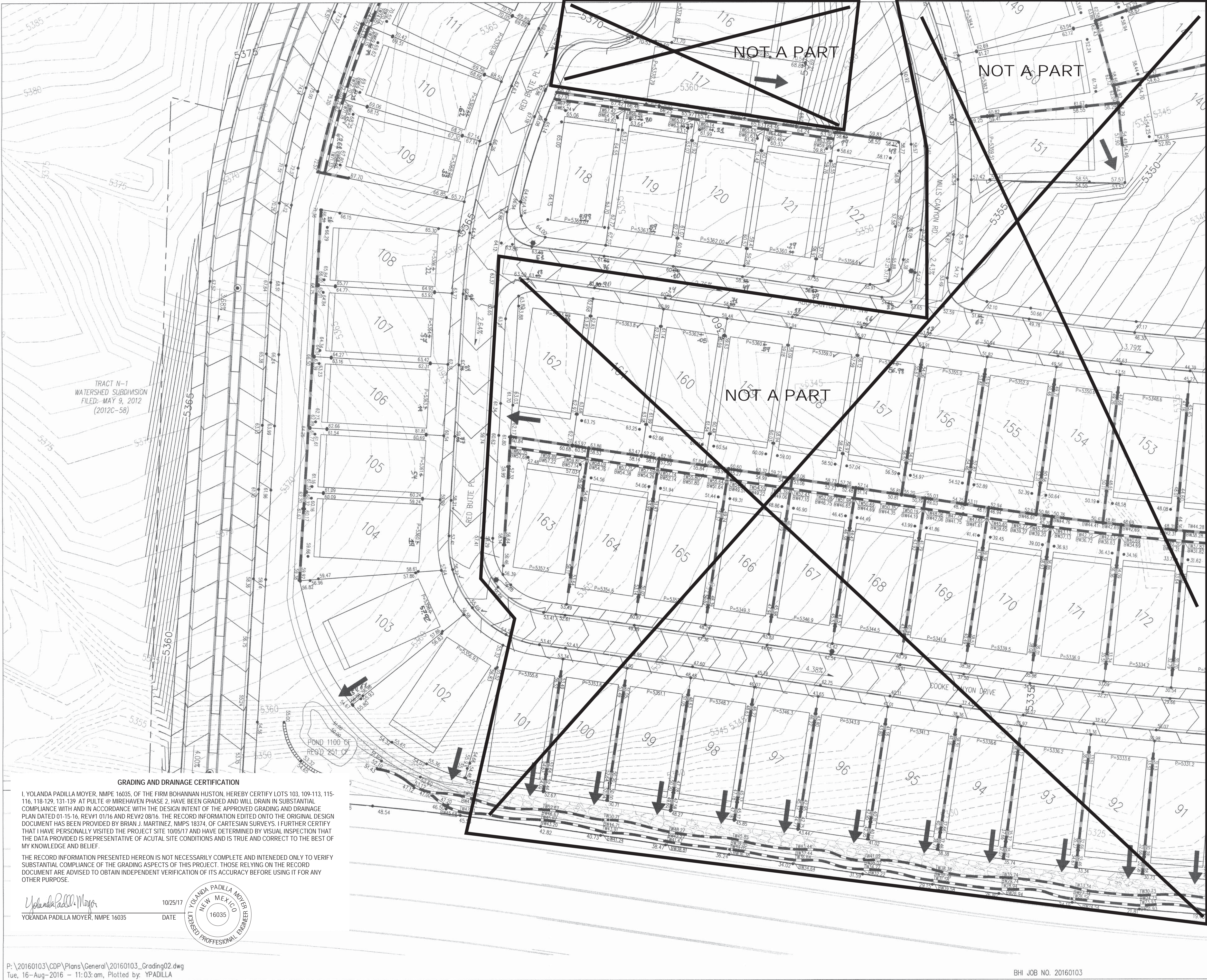
Bohannon & Huston
www.bhinc.com 800.877.5332

CITY OF ALBUQUERQUE
DEPARTMENT OF
MUNICIPAL DEVELOPMENT

PULTE @ MIREHAVEN PHASE 2
GRADING PLAN

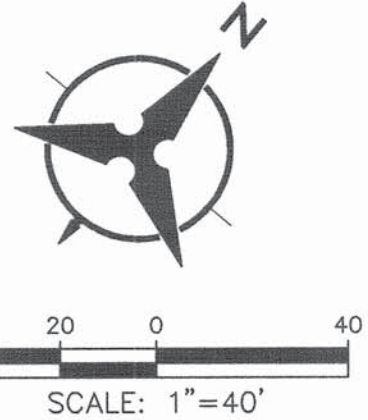
| | | | |
|-------------------------|------------------------|-------------|-------------|
| DESIGN REVIEW COMMITTEE | CITY ENGINEER APPROVAL | MO./DAY/YR. | MO./DAY/YR. |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

CITY PROJECT NO. ZONE MAP NO. SHEET 3 OF 5



- LEGEND**
- PROPOSED SPOT ELEVATION • 5235.25
 - EXISTING SPOT ELEVATION • EX 5235.25
 - PROPOSED CONTOUR — 5025 —
 - EXISTING STORM DRAIN LINE — — — —
 - PROPOSED STORM DRAIN INLET □
 - PROPOSED STORM DRAIN LINE — — — —
 - PROPOSED STORM DRAIN MANHOLE ○
 - PROPOSED WATER BLOCK — — — —
 - RETAINING WALL — — — —
 - PAD □
 - WALL OPENING — — — —
 - STREET SLOPE XX

CONTRACTOR SHALL INSTALL 7" WIDE 1" DEEP SWALE ALONG THE EAST PROPERTY LINE AND 5' SIDE 1" DEEP SWALE ALONG THE NORTH PROPERTY LINE WHERE LOTS DRAIN TO THE BACK OF THE LOT. SWALE SHALL BE 12" OF 95% COMPACTION WITH FILTER FABRIC AND 1" TO 2" FRACTURED COBBLE



Bohannon & Huston
www.bhinc.com 800.877.5332

CITY OF ALBUQUERQUE
DEPARTMENT OF
MUNICIPAL DEVELOPMENT

PULTE @ MIREHAVEN PHASE 2
GRADING PLAN

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

| | | |
|------------------|--------------|--------------|
| CITY PROJECT NO. | ZONE MAP NO. | SHEET 4 OF 5 |
|------------------|--------------|--------------|

| BENCH MARKS | | AS-BUILT INFORMATION | |
|----------------------------------------|------------------------|----------------------|------|
| US&GS BRASS DISC STAMPED "REWARD 1969" | CONTRACTOR | DATE | DATE |
| GEOGRAPHIC POSITION (NAD 83) | STAKED BY | DATE | DATE |
| N.M. STATE PLANE COORDINATES | INSPECTOR'S | DATE | DATE |
| (CENTRAL ZONE) | ACCEPTANCE BY | DATE | DATE |
| N=1487364.063 E=1491190.819 | VERIFICATION BY | DATE | DATE |
| GROUND TO GRID = 0.999675005 | CORRECTED BY | DATE | DATE |
| DELTA ALPHA = -0017712.26" | MICRO-FILM INFORMATION | | DATE |
| NAVD 1988 ELEVATION = 5319.688 | RECORDED BY | DATE | DATE |
| | NO. | | |

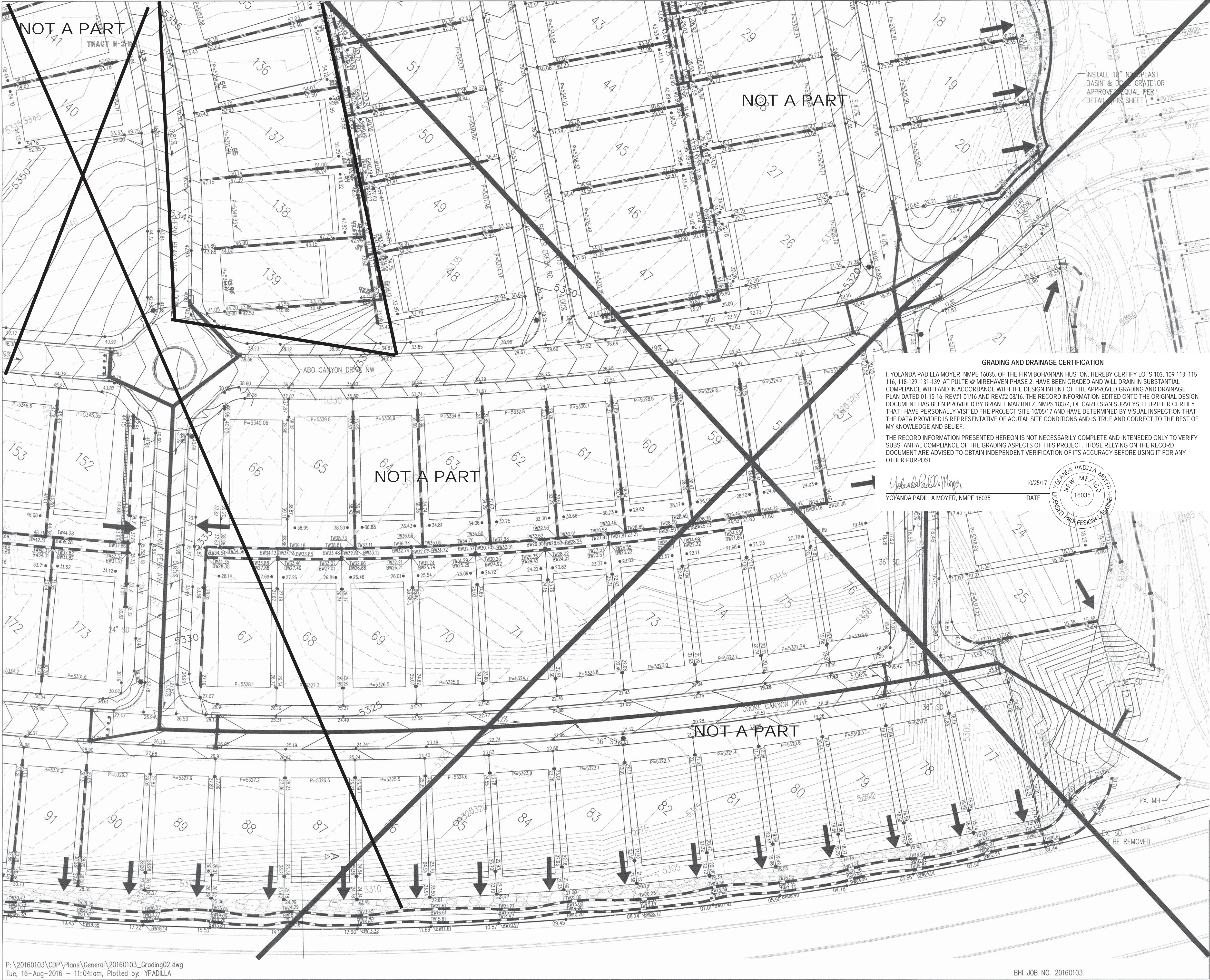


GRADING AND DRAINAGE CERTIFICATION

I, YOLANDA PADILLA MOYER, NMPE 16035, OF THE FIRM BOHANNAN HUSTON HEREBY CERTIFY LOTS 103, 109-113, 115-116, 118-129, 131-139 AT PULTE @ MIREHAVEN PHASE 2, HAVE BEEN GRADED AND WILL DRAIN IN SUBSTANTIAL COMPLIANCE WITH AND IN ACCORDANCE WITH THE DESIGN INTENT OF THE APPROVED GRADING AND DRAINAGE PLAN DATED 01-15-16, REV#1 01/16 AND REV#2 08/16. THE RECORD INFORMATION EDITED ONTO THE ORIGINAL DESIGN DOCUMENT HAS BEEN PROVIDED BY BRIAN J. MARTINEZ, NMPS 18374, OF CARTESIAN SURVEYS. I FURTHER CERTIFY THAT I HAVE PERSONALLY VISITED THE PROJECT SITE 10/05/17 AND HAVE DETERMINED BY VISUAL INSPECTION THAT THE DATA PROVIDED IS REPRESENTATIVE OF ACTUAL SITE CONDITIONS AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

THE RECORD INFORMATION PRESENTED HEREON IS NOT NECESSARILY COMPLETE AND INTENDED ONLY TO VERIFY SUBSTANTIAL COMPLIANCE OF THE GRADING 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.

Yolanda Padilla Moyer
YOLANDA PADILLA MOYER, NMPE 16035
DATE 10/25/17
NEW MEXICO
LICENSED PROFESSIONAL ENGINEER



LEGEND

PROPOSED SPOT ELEVATION • 5235.25
EXISTING SPOT ELEVATION • EX 5235.25
PROPOSED CONTOUR — 5025
EXISTING STORM DRAIN LINE — — — —
PROPOSED STORM DRAIN INLET □
PROPOSED STORM DRAIN LINE — — — —
PROPOSED STORM DRAIN MANHOLE ○
PROPOSED WATER BLOCK — — — —
RETAINING WALL — — — —
PAD 10 P=5300.00
WALL OPENING — — — —
STREET SLOPE XX

CONTRACTOR SHALL INSTALL 7" WIDE 1' DEEP SWALE ALONG THE EAST PROPERTY LINE AND 5' SIDE 1' DEEP SWALE ALONG THE NORTH PROPERTY LINE WHERE LOTS DRAIN TO THE BACK OF THE LOT. SWALE SHALL BE 12" OF 95% COMPACTION WITH FILTER FABRIC AND 1" TO 2" FRACTURED COBBLE. INSTALL 7' X 5' AND 5' X 5' COBBLE EROSION CONTROL PAD RESPECTIVELY PER SAME SWALE SPECS AT THE POND BOTTOM AT THE END OF 7' AND 5' SWALE.

GRADING AND DRAINAGE CERTIFICATION

I, YOLANDA PADILLA MOYER, NMPE 16035, OF THE FIRM BOHANNAN HUSTON, HEREBY CERTIFY LOTS 103, 109-113, 115-116, 118-129, 131-139 AT PULTE @ MIREHAVEN PHASE 2, HAVE BEEN GRADED AND WILL DRAIN IN SUBSTANTIAL COMPLIANCE WITH AND IN ACCORDANCE WITH THE DESIGN INTENT OF THE APPROVED GRADING AND DRAINAGE PLAN DATED 01-15-16, REV#1 01/16 AND REV#2 08/16. THE RECORD INFORMATION EDITED ONTO THE ORIGINAL DESIGN DOCUMENT HAS BEEN PROVIDED BY BRIAN J. MARTINEZ, NMPS 18374, OF CARTESIAN SURVEYS. I FURTHER CERTIFY THAT I HAVE PERSONALLY VISITED THE PROJECT SITE 10/05/17 AND HAVE DETERMINED BY VISUAL INSPECTION THAT THE DATA PROVIDED IS REPRESENTATIVE OF ACTUAL SITE CONDITIONS AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

THE RECORD INFORMATION PRESENTED HEREON IS NOT NECESSARILY COMPLETE AND INTENDED ONLY TO VERIFY SUBSTANTIAL COMPLIANCE OF THE GRADING 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.

Yolanda Padilla Moyer
YOLANDA PADILLA MOYER, NMPE 16035
10/25/17
DATE

NEW MEXICO
16035
REGISTERED PROFESSIONAL ENGINEER

BASIN & DOME GRATE DETAIL
NOT TO SCALE

INSTALL 18" NYLOPLAST BASIN & DOME GRATE OR APPROVED EQUAL

8" PVC PIPE

INV = 13.30

SCALE: 1"=40'

AS-BUILT INFORMATION

| CONTRACTOR | DATE |
|----------------------------------------|------|
| USC&S BRASS DISC STAMPED "REWARD 1969" | |

| INSPECTOR'S | DATE |
|-------------|------|
| STAMPED BY | |

| ACCEPTANCE BY | DATE |
|---------------|------|
| DATE | |

| VERIFICATION BY | DATE |
|-----------------|------|
| DATE | |

| DESIGNED BY | DATE |
|-------------|------|
| DATE | |

| DRAWN BY | DATE |
|----------|------|
| DATE | |

| CHECKED BY | DATE |
|------------|------|
| DATE | |

ENGINEER'S SEAL

YOLANDA PADILLA MOYER
NMPE 16035
REGISTERED PROFESSIONAL ENGINEER

REMARKS

DESIGN

REVISIONS

| NO. | DATE | BY |
|-----|----------|-----|
| 1 | 01-28-16 | YPM |
| 2 | 08-12-16 | YPM |

BOHANNAN HUSTON
www.bhinc.com 800.877.5332

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT

PULTE @ MIREHAVEN PHASE 2
GRADING PLAN

| DESIGN REVIEW COMMITTEE | CITY ENGINEER APPROVAL | LAST DESIGN UPDATE |
|-------------------------|------------------------|--------------------|
| | | |

| MO./DAY/YR. | MO./DAY/YR. |
|-------------|-------------|
| | |

CITY PROJECT NO. ZONE MAP NO. SHEET 5 OF 5



City of Albuquerque

Planning Department

Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 09/2015)

Project Title: PULTE @ MIREHAVEN PHASE 2B **Building Permit #:** **City Drainage #:** H-9
DRB#: 10006864 **EPC#:** **Work Order#:** 650389
Legal Description:
City Address:

Engineering Firm: BOHANNAN HUSTON INC **Contact:** Yolanda Moyer
Address: 7500 JEFFERSON ST NE COURTYARD 1 ALBUQUERQUE NM 87109
Phone#: 798-7945 **Fax#:** **E-mail:** ypadilla@bhinc.com

Owner: PULTE **Contact:** KEVIN PATTON
Address: 7601 JEFFERSON STREET NE SUITE 310 ALBUQ. NM 87109
Phone#: 505-341-8591 **Fax#:** **E-mail:** kevin.patton@pultegroup.com

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: 10-25-2017 **By:** YOLANDA PADILLA MOYER, P.E.

COA STAFF: ELECTRONIC SUBMITTAL RECEIVED: _____