

# CITY OF ALBUQUERQUE



August 13, 2019

David Soule, PE  
Rio Grande Engineering  
1606 Central SE Suite 201  
Albuquerque, NM 87106

**Re: 801, 805, 809, 815 Mesa Del Sol  
Request Pad Certification for Lot 14P-1, 15P-1, 16P-1, 17P-1 - Accepted  
Engineer's Stamp Dated 11-28-05 (J10D012)  
Certification dated: 8-12-19**

Dear Mr. Soule,

Based on the Certification received 8/12/2019, the above reference site is acceptable for building permit by Hydrology.

If you have any questions, you can contact me at 924-3999 or Totten Elliott at 924-3982.

PO Box 1293

Albuquerque

NM 87103

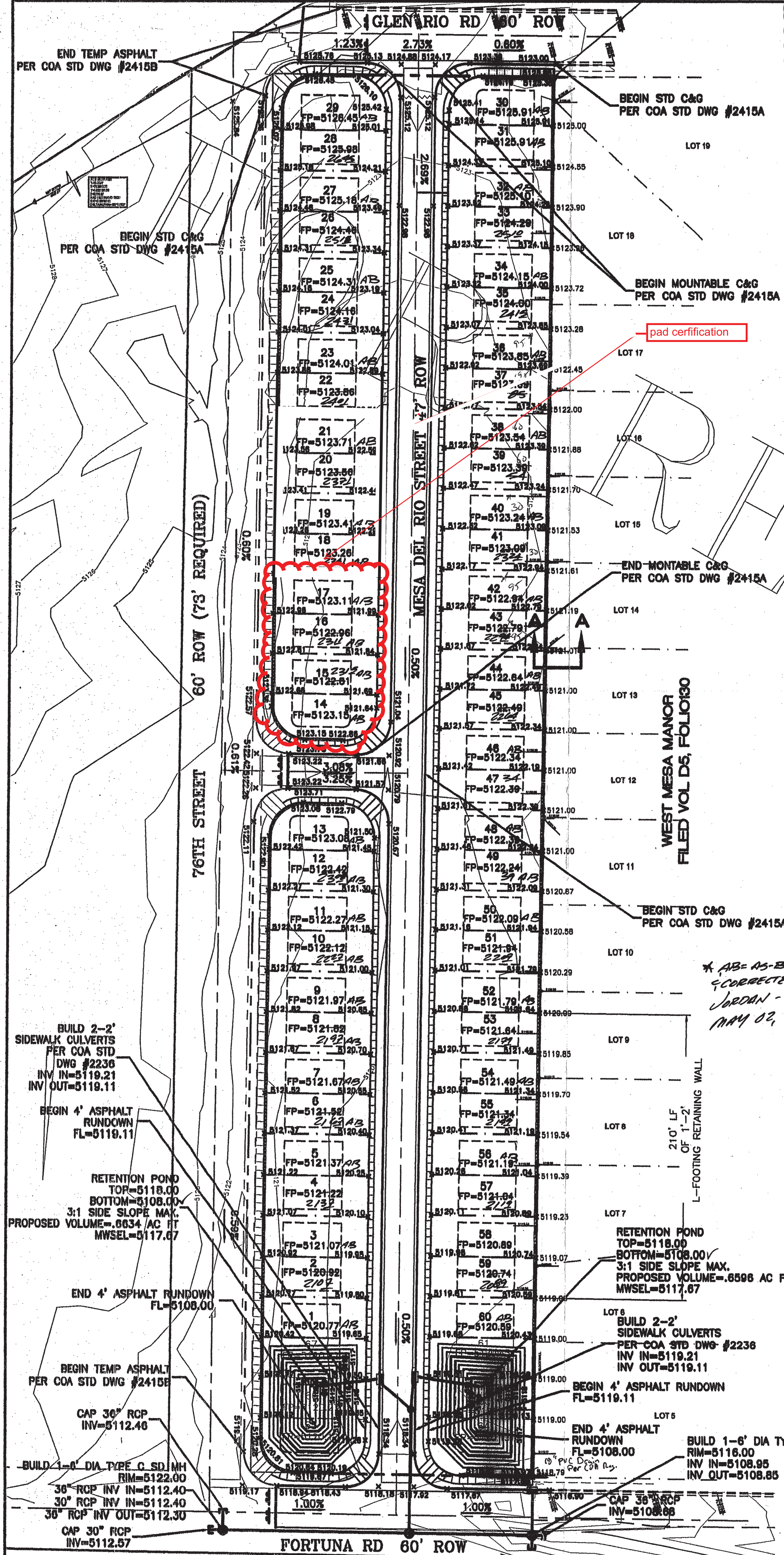
[www.cabq.gov](http://www.cabq.gov)

Sincerely,

Shahab Biazar, P.E.  
City Engineer, Planning Dept.  
Development and Review Services

TE/SB  
C: file



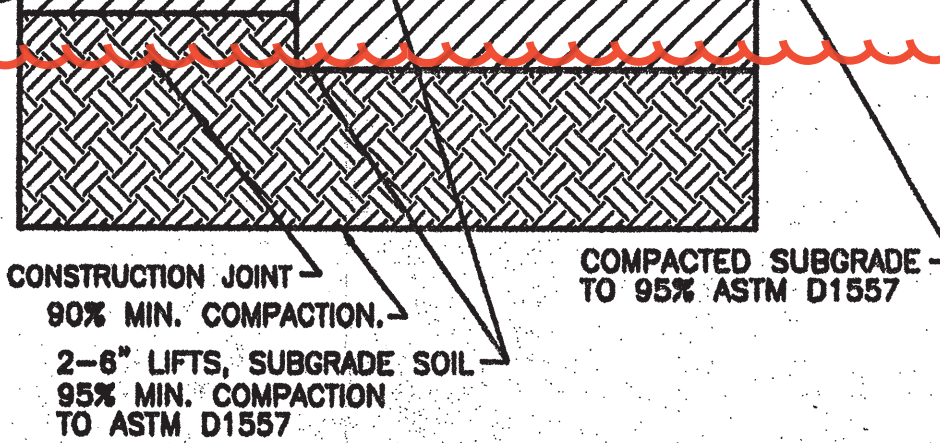


I, DAVID SOULE HAVE PERSONALLY INSPECTED THE SITE. I HEREBY CERTIFY THE PAD HAS BEEN CONSTRUCTED SUCH THAT IT IS IN SUBSTANTIAL CONFORMANCE TO THE APPROVED GRADING PLAN DATED 11/28/05 THE SITE WAS OVER EXCAVATED DUE TO GEOTECHNICAL RECOMMENDATIONS. ORIGINAL APPROVED PAD ELEVATIONS HAVE BEEN RESTORED FOR LOTS 14-17

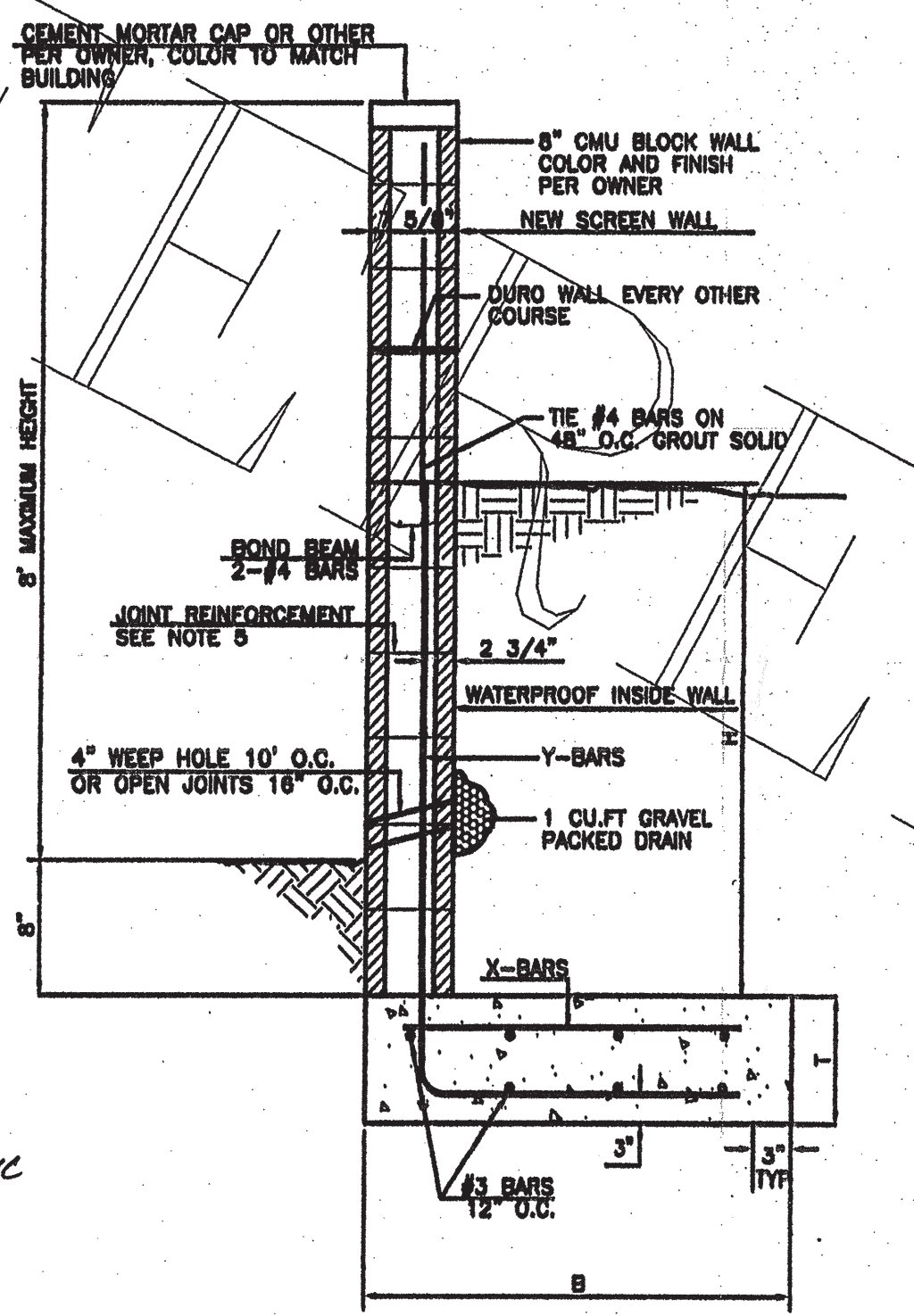
FINISH MOIST MOIST AS RE NEXT/ SUBG PERF UTILITI



1' SUBGRADE SOIL R-VALUE>50. PLACED IN 2-3' COMPACTED LIFTS. 95% MIN. COMPACTION, AT OPT. MOISTURE ± 2.0%; ASTM D1557, OR OPT. MOISTURE, TO +4%, ASTM D698 FOR SOIL W/35% OR MORE MATERIAL PASSING THE NO. 200 SIEVE. SOIL NOT HAVING THE MIN. R-VALUE OF 50, SHALL BE REMOVED TO A DEPTH OF 2 FEET AND REPLACED BY THE CONTRACTOR WITH SUITABLE MATERIAL OR A PAVEMENT SHALL BE DESIGNED ACCOMMODATING THE EXISTING R-VALUE PER C.O.A. STANDARD SPECIFICATIONS.



RESIDENTIAL PAVING SECTION (STANDARD CURB) NTS



L-FOOTING RETAINING/SCREEN WALL DETAIL NTS

GENERAL NOTES:

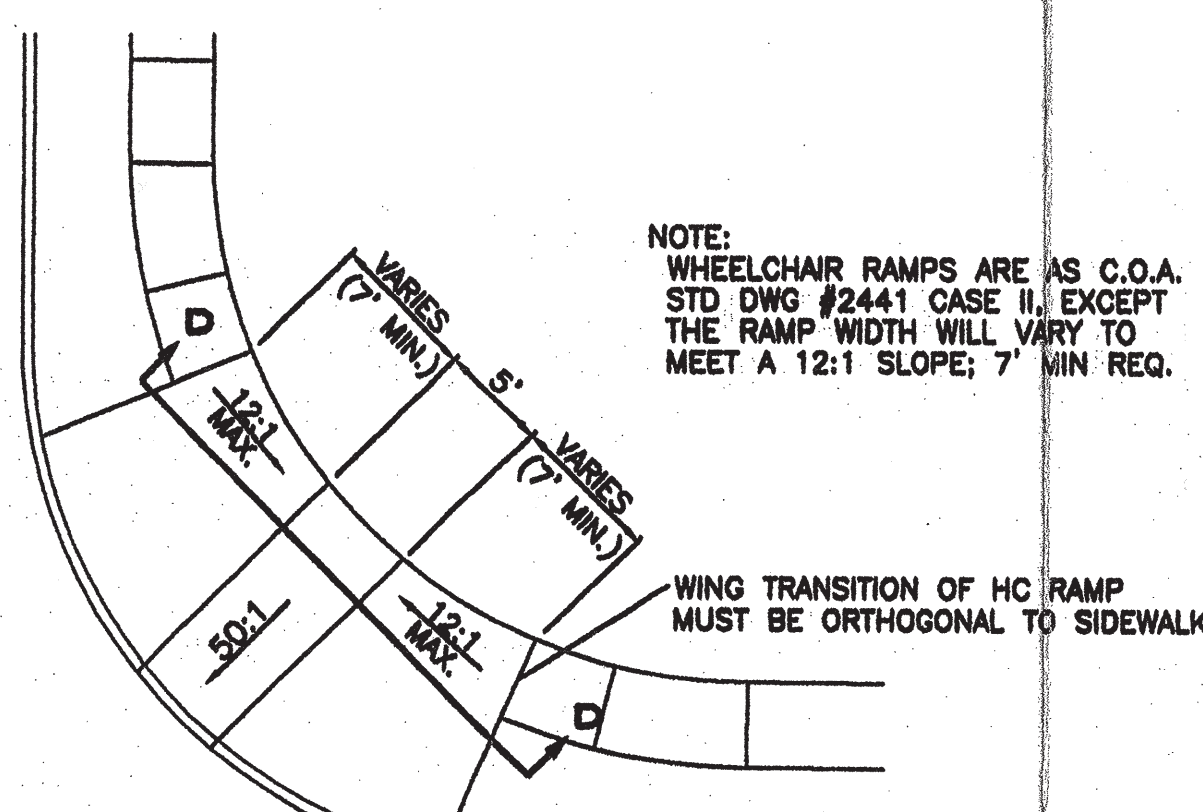
- 1. ALL CONCRETE IS TO BE 3000 PSI @ 28 DAYS.
- 2. MINIMUM COMPACTION UNDER FOOTINGS IS TO BE 95% PER ASTM D 1557 FOR A DEPTH OF 12" MOISTURE CONTENT IS TO BE ± 2.0%.
- 3. BACK FILL AGAINST WALLS IS TO BE HAND-PLACED AND COMPACTED.
- 4. ALL BARS ARE TO BE GRADE 60, ASTM 615.
- 5. TRUSS TYPE DRAIN-WALL EVERY OTHER COURSE.
- 6. USE EITHER EXPANSION JOINTS ON 20' CENTERS OR PILASTERS EVERY 12'.
- 7. 30 BAR DIAMETER LAPS TYPICAL.
- 8. DRAIN-WALL HORIZONTAL JOINT REINFORCEMENT 16" O.C.
- 9. OPEN JOINTS 16" O.C. TYPICAL AT FIRST COURSE.
- 10. OWNER TO SELECT MASONRY COLOR AND/OR FINISH
- 11. SOLID MASONRY CAP COURSE TYPICAL.
- 12. WATER PROOF WALL.

8 INCH REINFORCED CONCRETE MASONRY WALL (FOR RETAINING PORTION ONLY)

| H       | B       | T   | Y-BARS        | Y-BARS        |
|---------|---------|-----|---------------|---------------|
| ft.-in. | ft.-in. | in. |               |               |
| 1'-4"   | 1'-9"   | 9"  | #4 @ 24" O.C. |               |
| 2'-0"   | 2'-0"   | 9"  | #4 @ 24" O.C. |               |
| 2'-6"   | 2'-6"   | 9"  | #4 @ 24" O.C. |               |
| 3'-4"   | 3'-4"   | 12" | #4 @ 16" O.C. | #4 @ 16" O.C. |
| 4'-0"   | 3'-3"   | 12" | #4 @ 16" O.C. | #4 @ 16" O.C. |
| 4'-8"   | 4'-0"   | 12" | #4 @ 16" O.C. | #4 @ 16" O.C. |
| 5'-4"   | 5'-0"   | 12" | #4 @ 8" O.C.  | #4 @ 8" O.C.  |
| 6'-0"   | 5'-6"   | 12" | #4 @ 8" O.C.  | #4 @ 8" O.C.  |

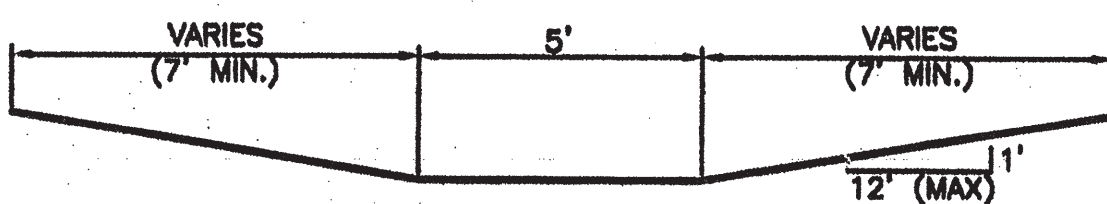
EROSION CONTROL NOTES:

- 1. CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TOPSOIL DISTURBANCE PERMIT PRIOR TO BEGINNING WORK.
- 2. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING RUN-OFF ON SITE DURING CONSTRUCTION.
- 3. CONTRACTOR IS RESPONSIBLE FOR CLEANING ALL SEDIMENT THAT GETS INTO EXISTING RIGHT-OF-WAY.
- 4. REPAIR OF DAMAGED FACILITIES AND CLEANUP OF SEDIMENT ACCUMULATIONS ON ADJACENT PROPERTIES AND IN PUBLIC FACILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR.
- 5. ALL EXPOSED EARTH SURFACES MUST BE PROTECTED FROM WIND AND WATER EROSION PRIOR TO FINAL (CITY) ACCEPTANCE OF ANY PROJECT.

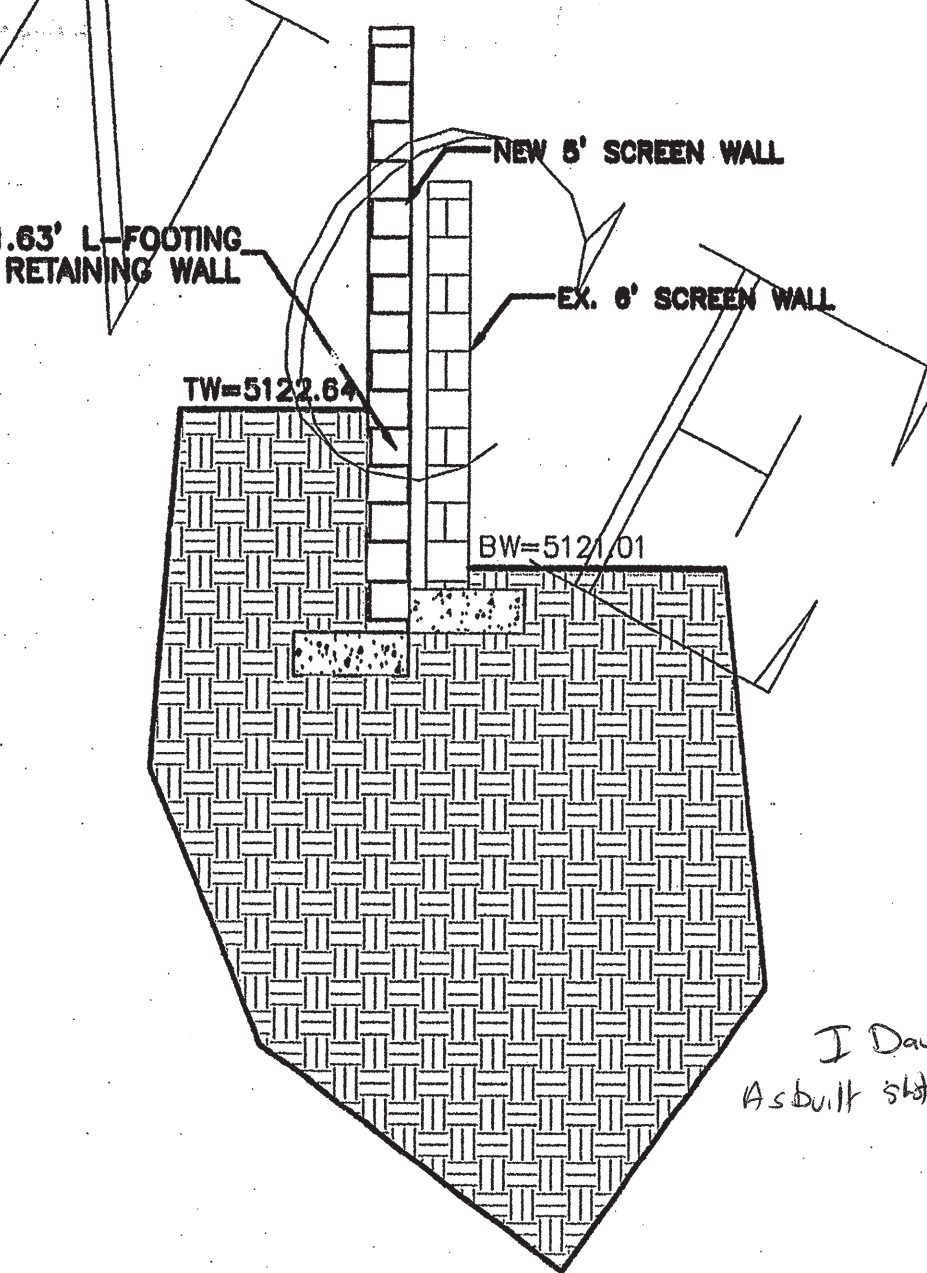


NOTE: WHEELCHAIR RAMPS ARE AS C.O.A. STD DWG #2441 CASE II, EXCEPT THE RAMP WIDTH WILL VARY TO MEET A 12:1 SLOPE; 7' MIN REQ.

WHEELCHAIR RAMP DETAIL (TYP.) NTS



SECTION D-D NTS

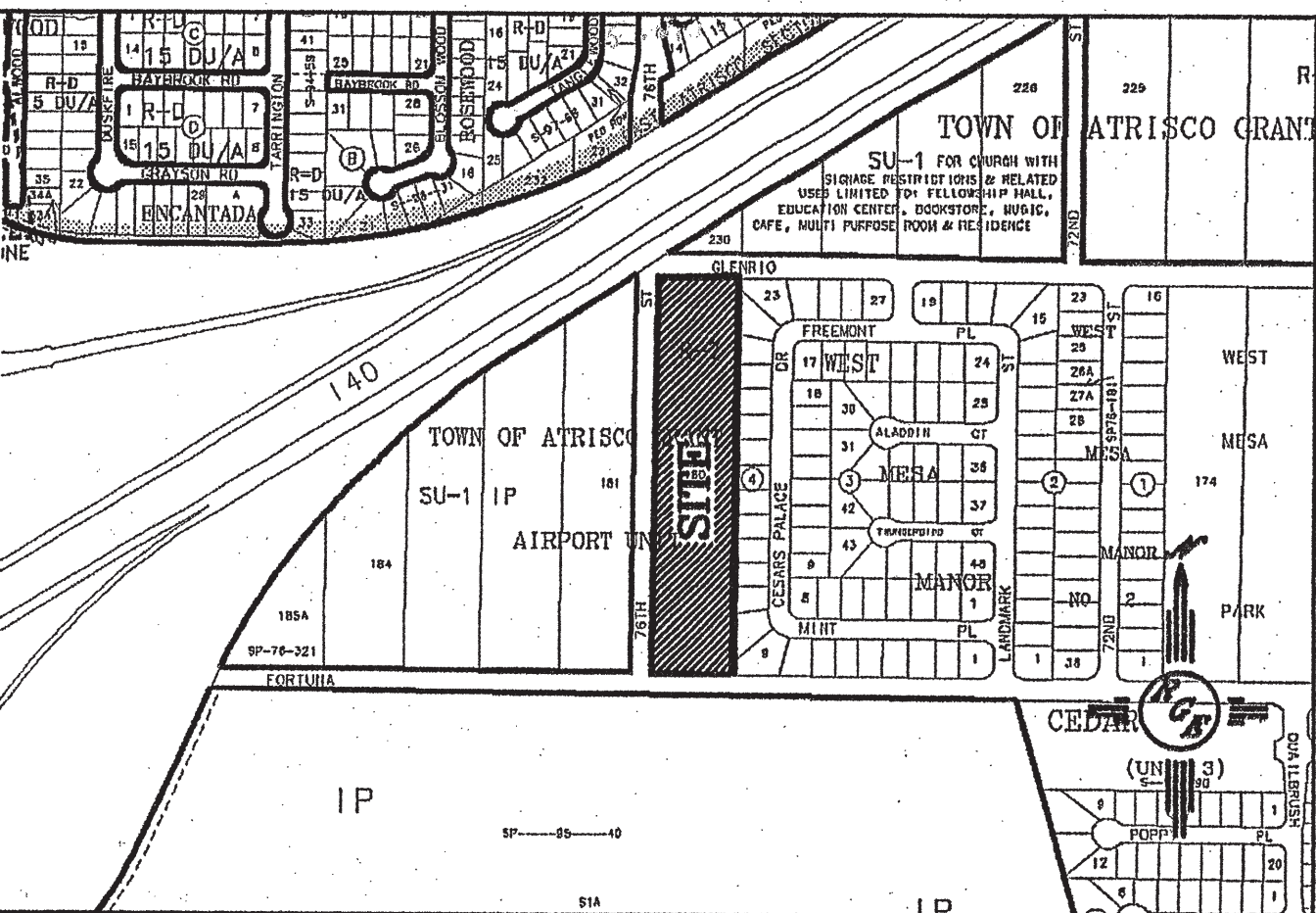


SECTION A-A NTS

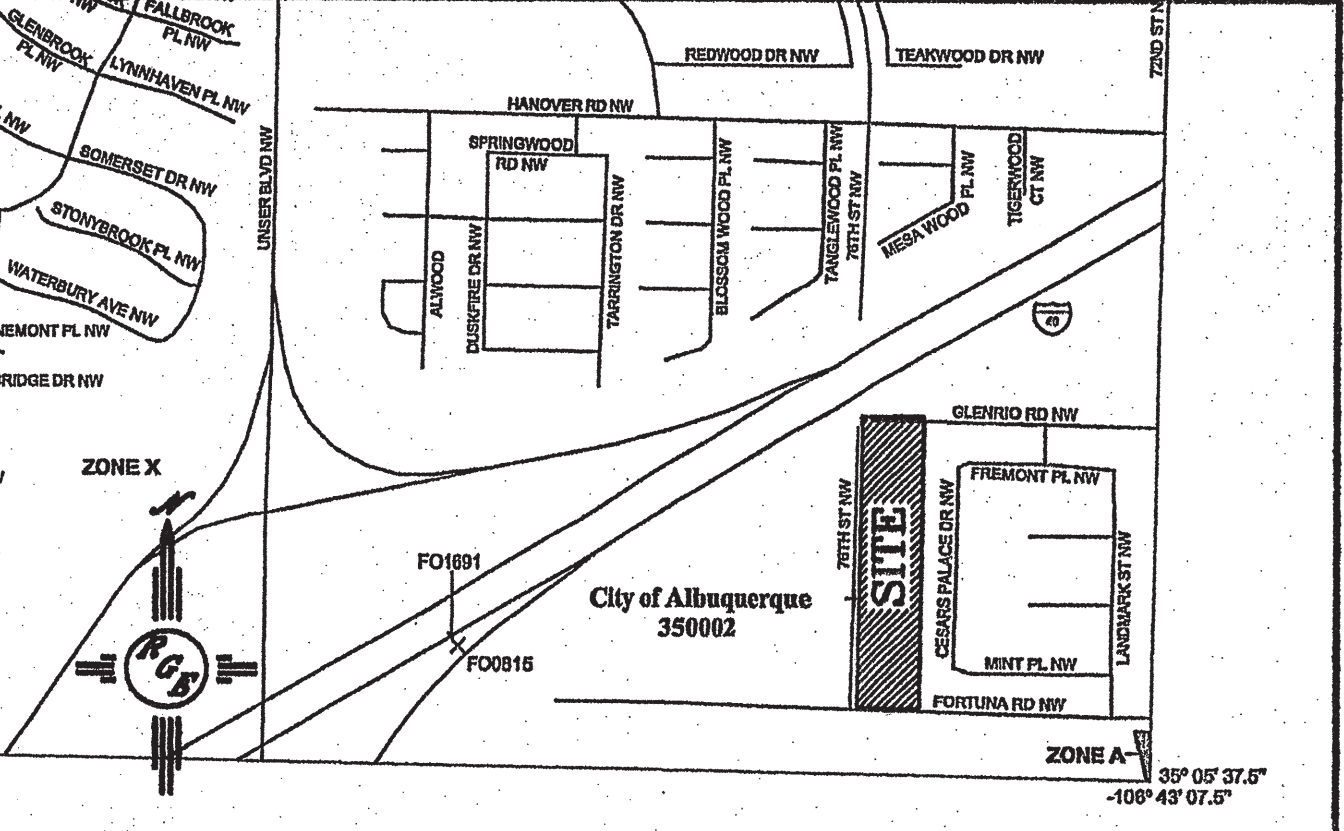
I, David Soule, NMEPE #14522 of the Firm R.G. Engineering, hereby certify that this project has been graded and will drain thereby in substantial compliance with and according to the design intent of the approved plan dated 11/28/05. The record information edited out of the approved document has been provided by Jordan - Gallagher Inc. original design document is submitted in support of a request for release of S.I.A. The record information presented herein is not necessarily complete and intended only to verify substantial compliance of the grading and drainage aspects of this project. I am relying on this record document and advise to obtain independent verification of its accuracy before using for any other purpose.



CAUTION: EXISTING UTILITIES ARE NOT SHOWN. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONDUCT ALL NECESSARY FIELD INVESTIGATIONS PRIOR TO ANY EXCAVATION TO DETERMINE THE ACTUAL LOCATION OF UTILITIES & OTHER IMPROVEMENTS.



VICINITY MAP: J-10-Z



FIRM MAP: 35001C0326E

LEGAL DESCRIPTION:

LOT 180, TOWN OF ATRISCO GRANT, AIRPORT UNIT

NOTES:

- 1. ALL SPOT ELEVATIONS REPRESENT FLOWLINE ELEVATION UNLESS OTHERWISE NOTED.
- 2. ALL CURB AND GUTTER TO BE STANDARD AND MOUNTABLE PER COA STD DWG #2415A UNLESS OTHERWISE NOTED.
- 3. ALL PADS SHALL BE BUILT PER FOOTPRINT SHOWN.

LEGEND

- PROPOSED STORM SEWER MANHOLE
- PROPOSED STORM SEWER LINE
- EXISTING CURB & GUTTER
- PROPOSED CURB & GUTTER
- BOUNDARY LINE
- EASEMENT
- PROPOSED SIDEWALK
- PROPOSED PERIMETER WALL
- PROPOSED RETAINING WALL
- EXISTING CONTOUR
- EXISTING INDEX CONTOUR
- FLOW ARROW
- PROPOSED SPOT ELEVATION
- EXISTING SPOT ELEVATION
- CENTERLINE
- RIGHT-OF-WAY
- LOT LINES
- SETBACK LINE
- PROPOSED CONTOUR
- PROPOSED INDEX CONTOUR

ROUGH GRADING APPROVAL

ENGINEER'S SEAL

DAVID SOULE

P.E. #14522

MESA DEL RIO

GRADING AND DRAINAGE PLAN

Rio Grande Engineering

1808 CENTRAL AVENUE SE SUITE 201 ALBUQUERQUE, NM 87106 (505) 878-0989

DRAWN BY WCMJ

DATE 11-27-05

2314-GRB-0-15-00X

SHEET # 4 OF 16

JOB # 2314





# City of Albuquerque

Planning Department  
Development & Building Services Division

## DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 6/2018)

**Project Title:** mesa del rio **Building Permit #:** \_\_\_\_\_ **Hydrology File #:** \_\_\_\_\_  
**DRB#:** \_\_\_\_\_ **EPC#:** \_\_\_\_\_ **Work Order#:** \_\_\_\_\_  
**Legal Description:** lots 14p-1,15p-1,16p-1,17P-1 mesa del rio  
**City Address:** 801,805,809,815 mesa del rio

**Applicant:** habitat for humanity **Contact:** \_\_\_\_\_  
**Address:** \_\_\_\_\_  
**Phone#:** \_\_\_\_\_ **Fax#:** \_\_\_\_\_ **E-mail:** \_\_\_\_\_

**Other Contact:** RIO GRANDE ENGINEERING **Contact:** DAVID SOULE  
**Address:** PO BOX 93924 ALB NM 87199  
**Phone#:** 505.321.9099 **Fax#:** 505.872.0999 **E-mail:** david@riograndeengineering.com

**TYPE OF DEVELOPMENT:** \_\_\_\_\_ PLAT \_\_\_\_\_ RESIDENCE \_\_\_\_\_ DRB SITE \_\_\_\_\_ ADMIN SITE

Check all that Apply:

### DEPARTMENT:

☒ HYDROLOGY/ DRAINAGE  
☐ TRAFFIC/ TRANSPORTATION

### 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?

IS THIS A RESUBMITTAL?: ☒ Yes ☐ No

### 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:** \_\_\_\_\_ **By:** \_\_\_\_\_

COA STAFF:

ELECTRONIC SUBMITTAL RECEIVED: \_\_\_\_\_

FEE PAID: \_\_\_\_\_