

CITY OF ALBUQUERQUE

Planning Department
Alan Varela, Director



Mayor Timothy M. Keller

March 17, 2023

Kelly Klein, P.E.
Bohannon-Huston
7500 Jefferson St NE Courtyard I
Albuquerque, NM 87109

**RE: Mesa Del Sol Subdivision
Montage Unit 4B
Revised Grading Plan Stamp Date: 11/12/2020
Certification Date: 3/6/2023
Hydrology File: R16D006B**

Dear Ms. Klein:

Based on the submittal received on 3/14/2023 and site visit on 3/16/2023, the drainage certification is accepted for Release of Financial Guarantee by Hydrology.

If you have any questions, please contact me at 505-924-3695 or tchen@cabq.gov.

Sincerely,

Tiequan Chen, P.E.
Principal Engineer, Hydrology
Planning Department, Development Review Services

PO Box 1293

Albuquerque

NM 87103

www.cabq.gov

March 13, 2023

Mr. Tiequan Chen, P.E.
Hydrology Section
City of Albuquerque
600 2nd Street NW
Albuquerque, NM 87102

Re: Final Grading and Drainage Certification for Mesa Del Sol Montage Unit 4B
Unit 4 - DRB Case No. PR-2020-003422; Hydrology File R16D006A

Dear Tiequan,

We are submitting a final grading and drainage certification for Mesa Del Sol Montage Unit 4B. Enclosed for your review is the approved grading and drainage plan dated 11/12/20. These lots have been graded and the curb and gutter for the corresponding roads as well as the pavement and downstream infrastructure have been constructed.

After reviewing these as-built elevations and visiting the site on 01/27/23, it is my belief that the above lot has been graded in substantial compliance with the approved grading and drainage plan.

Your review and approval is requested for IIA/Financial Guaranty release (Work Order Closeout package) for the above listed site. I appreciate your time and consideration. If you have questions or require additional information, please contact me at 823-1000.

Sincerely,



Kelly Klein, P.E.
Project Manager
Community Development & Planning

Enclosure

cc: Manny Barrera, Ravenswing Consulting
Mike Fietz, Corazon del Mesa 3B



City of Albuquerque

Planning Department

Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET

Project Title: Mesa del Sol, Montage Unit 4B **Building Permit #** _____ **Hydrology File #** R16D006A

DRB# PR-2020-003422 **EPC#** _____

Legal Description: Tracts A-6-C-1, Innovation Park **City Address OR Parcel** 99999 University Blvd SE
UPC # 101605004849020130

Applicant/Agent: Bohannon Huston Inc. **Contact:** Kelly Klein

Address: 7500 Jefferson St NE CY2 Albuquerque, NM, 87109 **Phone:** 505-318-7815

Email: kklein@bhinc.com

Applicant/Owner: Corazon del Mesa 4, LLC **Contact:** Mike Fietz

Address: 9600 Tennyson St NE **Phone:** 505-212-7000

Email: mikef@thewestway.com

TYPE OF DEVELOPMENT: ☒ PLAT (1# of lots) ☐ RESIDENCE ☐ DRB SITE ☐ ADMIN SITE: _____

RE-SUBMITTAL: ☐ 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
- ☐ FLOOD PLAN DEVELOPMENT PERMIT APP.
- ☐ ELEVATION CERTIFICATE
- ☐ CLOMR/LOMR
- ☐ TRAFFIC CIRCULATION LAYOUT (TCL)
- ☐ ADMINISTRATIVE
- ☐ TRAFFIC CIRCULATION LAYOUT FOR DRB APPROVAL
- ☐ TRAFFIC IMPACT STUDY (TIS)
- ☐ STREET LIGHT LAYOUT
- ☐ OTHER (SPECIFY) _____
- ☐ PRE-DESIGN MEETING?

TYPE OF APPROVAL/ACCEPTANCE SOUGHT:

- ☐ BUILDING PERMIT APPROVAL
- ☐ CERTIFICATE OF OCCUPANCY
- ☐ CONCEPTUAL TCL DRB APPROVAL
- ☐ 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
- ☐ FLOOD PLAN DEVELOPMENT PERMIT
- ☐ OTHER (SPECIFY) _____

DATE SUBMITTED: 03-06-2023



GRADING AND DRAINAGE CERTIFICATION

I, KELLY M. KLEIN, NMPE 24834, OF THE FIRM BOHANNAN HUSTON INC., HEREBY CERTIFY THAT MESA DEL SOL MONTAGE UNIT 4B, HAS BEEN GRADED AND WILL DRAIN IN SUBSTANTIAL COMPLIANCE WITH AND IN ACCORDANCE WITH THE DESIGN INTENT OF THE APPROVED GRADING AND DRAINAGE PLAN DATED 11/12/20. 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 01/27/23 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.

Kelly M. Klein 03/06/23
KELLY M. KLEIN, NMPE 24834 DATE



GENERAL NOTES

1. ALL WORK DETAILED ON THESE PLANS AND PERFORMED UNDER THIS CONTRACT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS AND THE PROJECT GEOTECHNICAL REPORT. WHERE APPLICABLE, CITY OF ALBUQUERQUE PUBLIC WORKS STANDARDS SHALL APPLY.
2. THE CONTRACTOR SHALL ABIDE BY ALL LOCAL, STATE, AND FEDERAL LAWS, RULES AND REGULATIONS WHICH APPLY TO THE CONSTRUCTION OF THESE IMPROVEMENTS, INCLUDING EPA REQUIREMENTS WITH RESPECT TO STORM WATER DISCHARGE.
3. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL FIELD VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL POTENTIAL OBSTRUCTIONS INCLUDING ALL UNDERGROUND UTILITIES. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION OBSERVER OR ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
4. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR SHALL CONTACT LINE LOCATING SERVICE FOR LOCATION OF EXISTING UTILITIES.
5. ALL ELECTRICAL, TELEPHONE, CABLE TV, GAS AND OTHER UTILITY LINES, CABLES, AND APPURTENANCES ENCOUNTERED DURING CONSTRUCTION THAT REQUIRE RELOCATION, SHALL BE COORDINATED WITH THAT UTILITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF ALL NECESSARY UTILITY ADJUSTMENTS. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR DELAYS OR INCONVENIENCES CAUSED BY UTILITY COMPANY WORK CREWS. THE CONTRACTOR MAY BE REQUIRED TO RESCHEDULE HIS ACTIVITIES TO ALLOW UTILITY CREWS TO PERFORM THEIR REQUIRED WORK.
6. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING ALL EXISTING UTILITY LINES WITHIN THE CONSTRUCTION AREA. ANY DAMAGE TO EXISTING FACILITIES CAUSED BY CONSTRUCTION ACTIVITY SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE AND APPROVED BY THE CONSTRUCTION OBSERVER.
7. CONSTRUCTION ACTIVITY SHALL BE LIMITED TO THE PROPERTY AND/OR PROJECT LIMITS. ANY DAMAGE TO ADJACENT PROPERTIES RESULTING FROM THE CONSTRUCTION PROCESS SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE.
8. OVERNIGHT PARKING OF CONSTRUCTION EQUIPMENT SHALL NOT OBSTRUCT DRIVEWAYS OR DESIGNATED TRAFFIC LANES. THE CONTRACTOR SHALL NOT STORE ANY EQUIPMENT OR MATERIAL WITHIN THE PUBLIC RIGHT-OF-WAY.
9. THE CONTRACTOR SHALL OBTAIN ALL THE NECESSARY PERMITS FOR THE PROJECT PRIOR TO COMMENCING CONSTRUCTION (I.E., BARRICADING, TOPSOIL DISTURBANCE, EXCAVATION PERMITS, EPA STORM WATER PERMITS, ETC.).
10. ALL PROPERTY CORNERS DESTROYED DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. ALL PROPERTY CORNERS MUST BE RESET BY A REGISTERED LAND SURVEYOR.
11. THE CONTRACTOR SHALL PREPARE A CONSTRUCTION TRAFFIC CONTROL AND SIGNING PLAN AND OBTAIN APPROVAL OF SUCH PLAN FROM THE CITY OF ALBUQUERQUE, TRAFFIC ENGINEERING DEPARTMENT, PRIOR TO BEGINNING ANY CONSTRUCTION WORK ON OR ADJACENT TO EXISTING STREETS.
12. ALL BARRICADES AND CONSTRUCTION SIGNING SHALL CONFORM TO APPLICABLE SECTIONS OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD), US DEPARTMENT OF TRANSPORTATION, LATEST EDITION.
13. THE CONTRACTOR SHALL MAINTAIN ALL CONSTRUCTION BARRICADES AND SIGNING AT ALL TIMES. THE CONTRACTOR SHALL VERIFY THE PROPER LOCATION OF ALL BARRICADING AT THE END AND BEGINNING OF EACH DAY.
14. THE CONTRACTOR SHALL TAKE ALL STEPS NECESSARY TO CONFORM WITH EPA REQUIREMENTS, INCLUDING COMPLIANCE WITH NPDES PHASE 2 REQUIREMENTS.

GRADING NOTES

1. EXCEPT AS PROVIDED HEREIN, GRADING SHALL BE PERFORMED AT THE ELEVATIONS AND IN ACCORDANCE WITH THE DETAILS SHOWN ON THIS PLAN.
2. CONTRACTOR SHALL OBTAIN AND ABIDE BY A TOPSOIL DISTURBANCE PERMIT FROM THE CITY OF ALBUQUERQUE ENVIRONMENTAL HEALTH DIVISION, PRIOR TO CONSTRUCTION. THE COST FOR REQUIRED CONSTRUCTION DUST AND EROSION CONTROL MEASURES SHALL BE INCIDENTAL TO THE PROJECT COST. THE CONTRACTOR SHALL CONFORM TO ALL CITY, COUNTY, STATE, AND FEDERAL DUST CONTROL MEASURES AND REQUIREMENTS AND WILL BE RESPONSIBLE FOR PREPARING AND OBTAINING ALL NECESSARY APPLICATIONS AND APPROVALS.
3. ALL WORK RELATIVE TO FOUNDATION CONSTRUCTION, SITE PREPARATION, AND PAVEMENT INSTALLATION, AS SHOWN ON THIS PLAN, SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE SOILS REPORT PREPARED BY NVS DATED DEC. 11, 2018. ALL OTHER WORK, UNLESS OTHERWISE STATED OR PROVIDED FOR HEREON, SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS (FIRST PRIORITY), AND/OR THE CITY OF ALBUQUERQUE (COA) STANDARD SPECIFICATIONS FOR PUBLIC WORKS (SECOND PRIORITY).
4. TWO WORKING DAYS PRIOR TO EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE (765-1264) FOR LOCATION OF EXISTING UTILITIES.
5. PRIOR TO GRADING, ALL VEGETATION DEBRIS, AND NEAR SURFACE ORGANICALLY CONTAMINATED SOIL SHALL BE STRIPPED FROM ALL AREAS TO BE GRADED. VEGETATION AND DEBRIS SHALL BE DISPOSED OF OFF-SITE OR STOCK-PILED FOR USE IN PLANTERS AND NON-STRUCTURAL FILLS.
6. EARTH SLOPES SHALL NOT EXCEED 4 HORIZONTAL TO 1 VERTICAL UNLESS SHOWN OTHERWISE.
7. IT IS THE INTENT OF THESE PLANS THAT THIS CONTRACTOR SHALL NOT PERFORM ANY WORK OUTSIDE OF THE PROPERTY BOUNDARIES EXCEPT AS REQUIRED BY THIS PLAN.
8. THE CONTRACTOR IS TO ENSURE THAT NO SOIL ERODES FROM THE SITE ONTO ADJACENT PROPERTY OR PUBLIC RIGHT-OF-WAY. THIS SHOULD BE ACHIEVED BY CONSTRUCTING TEMPORARY BERMS AT THE PROPERTY LINES WETTING THE SOIL TO PROTECT IT FROM WIND EROSION.
9. A DISPOSAL SITE FOR ALL EXCESS EXCAVATION AND UNSUITABLE MATERIAL SHALL BE OBTAINED BY THE CONTRACTOR IN COMPLIANCE WITH APPLICABLE ENVIRONMENTAL REGULATIONS AND APPROVED BY THE OBSERVER. ALL COSTS INCURRED IN OBTAINING A DISPOSAL SITE AND HAUL THERETO SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT, AND NO SEPARATE MEASUREMENT OR PAYMENT SHALL BE MADE.
10. PAVING AND ROADWAY GRADES SHALL BE +/- 0.1' FROM PLAN ELEVATIONS. PAD ELEVATION SHALL BE +/- 0.05' FROM BUILDING PLAN ELEVATIONS.
11. ALL SPOT ELEVATIONS ARE TO FLOWLINE UNLESS OTHERWISE NOTED. VALLEY GUTTER ELEVATIONS ARE SHOWN AT FLOWLINE ELEVATION.

Bohannon & Huston
www.bhinc.com 800.877.5332



**CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT**

**MONTAGE UNIT 4
OVERALL GRADING PLAN**

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
City Project No.	Zone Map No.	Sheet	Of	
			1 7	



I, KELLY M. KLEIN, NMPE 2491 OF THE FIRM BOHANNAN HUSTON INC., HEREBY CERTIFY THAT MESA DEL SOL MONTAGE UNIT 4B, HAS BEEN GRADED AND WILL DRAIN IN SUBSTANTIAL COMPLIANCE WITH AND IN ACCORDANCE WITH THE DESIGN INTENT OF THE APPROVED GRADING AND DRAINAGE PLAN DATED 11/12/20. 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 01/27/22 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.

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Kelly M. Klein 03/06/2019
KELLY M. KLEIN, NMPE 24834 DATE



MATCH LINE SEE SHEET 4

VOLUME REQUIRED** = 9.2 AC-FT
 PER APPROVED **MONTAGE UNIT 3 AND 4 DRAINAGE REPPRT
AMENDMENT (REVISED FOR UNIT 4) DATED AUGUST 2020

VOLUME PROVIDED (AS BUILT DATA) = 9.6 AC-FT

















MATCH LINE SEE SHEET 3

PROPOSED 18" CLASS III
WITH RCP END SECTION
INV IN = 5296
INV OUT = 5296

GENERAL NOTES

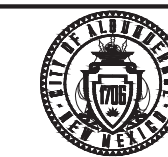
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2. THE CONTRACTOR IS TO REFER TO EARTHWORK SPECIFICATION AS NOTED IN THE SOILS REPORT BY GEO-TEST, INC. DATED 9-29-10
3. THE CONTRACTOR SHALL CONFORM TO ALL CITY, COUNTY, STATE, AND FEDERAL DUST CONTROL MEASURES & REQUIREMENTS AND WILL BE RESPONSIBLE FOR PREPARING AND OBTAINING ALL NECESSARY APPLICATIONS AND APPROVALS.
4. THE CONTRACTOR SHALL ENSURE THAT NO SOIL ERODES FROM THE LOTS INTO PUBLIC RIGHT-OF-WAY. THIS CAN BE ACHIEVED BY CONSTRUCTING TEMPORARY BERMS AS PER DETAIL, SHEET 3B, AND WETTING THE SOIL TO KEEP IT FROM BLOWING.
5. ALL SPOT ELEVATIONS ARE TO FOLLOWLINE UNLESS OTHERWISE NOTED.
6. BOULDERS GREATER THAN 3 FEET IN DIAMETER EXCAVATED DURING GRADING ACTIVITIES SHALL BE STOCKPILED AND DISPOSED OF AT THE DISCRETION OF THE OWNER.
7. ALL WALLS SHOWN ARE TO BE PLACED ALONG PROPERTY LINE. WALLS ARE SHOWN OFFSET FOR VISUAL PURPOSE ONLY.

LEGEND

- | | |
|---|-------------------------------------|
|  | UNIT BOUNDARY |
|  91.62 | FUTURE SPOT ELEVATION |
|  91.62 | PROPOSED SPOT ELEVATION |
|  x 92.46 | EXISTING SPOT ELEVATION (GRND & TC) |
|  | EXISTING CURB & GUTTER |
|  | PROPOSED CURB & GUTTER |
|  | EXISTING CONTOUR W/ INDEX ELEVATION |
|  | FLOW ARROW |
|  | PROPOSED RETAINING WALL |
|  | PROPOSED SLOPE |
|  | PROPOSED STORM DRAIN |
|  | PROPOSED STORM DRAIN MANHOLE |
|  | PROPOSED STORM DRAIN INLET |
|  | LIMITS OF GRADING |
|  | TURN BLOCK AT LOW POINT OF LOT |
|  | WATER BLOCK |



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CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

MONTAGE UNIT 4
GRADING PLAN

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
City Project No. PR-2020-003422		Zone Map No. R-15,16,S-16	Sheet 2	Of 7

GRADING AND DRAINAGE CERTIFICATION

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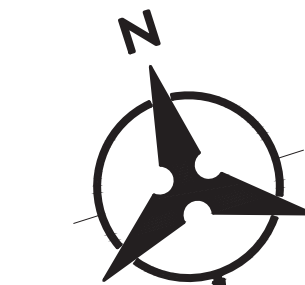
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Kelly M. Klein
KELLY M. KLEIN, NMPE 24834
03/06/23
DATE



- AND WILL BE RESPONSIBLE FOR PREPARING AND OBTAINING ALL NECESSARY APPLICATIONS AND APPROVALS.
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5. ALL SPOT ELEVATIONS ARE TO FLOWLINE UNLESS OTHERWISE NOTED.
6. BOULDERS GREATER THAN 3 FEET IN DIAMETER EXCAVATED DURING GRADING ACTIVITIES SHALL BE STOCKPILED AND DISPOSED OF AT THE DISCRETION OF THE OWNER.
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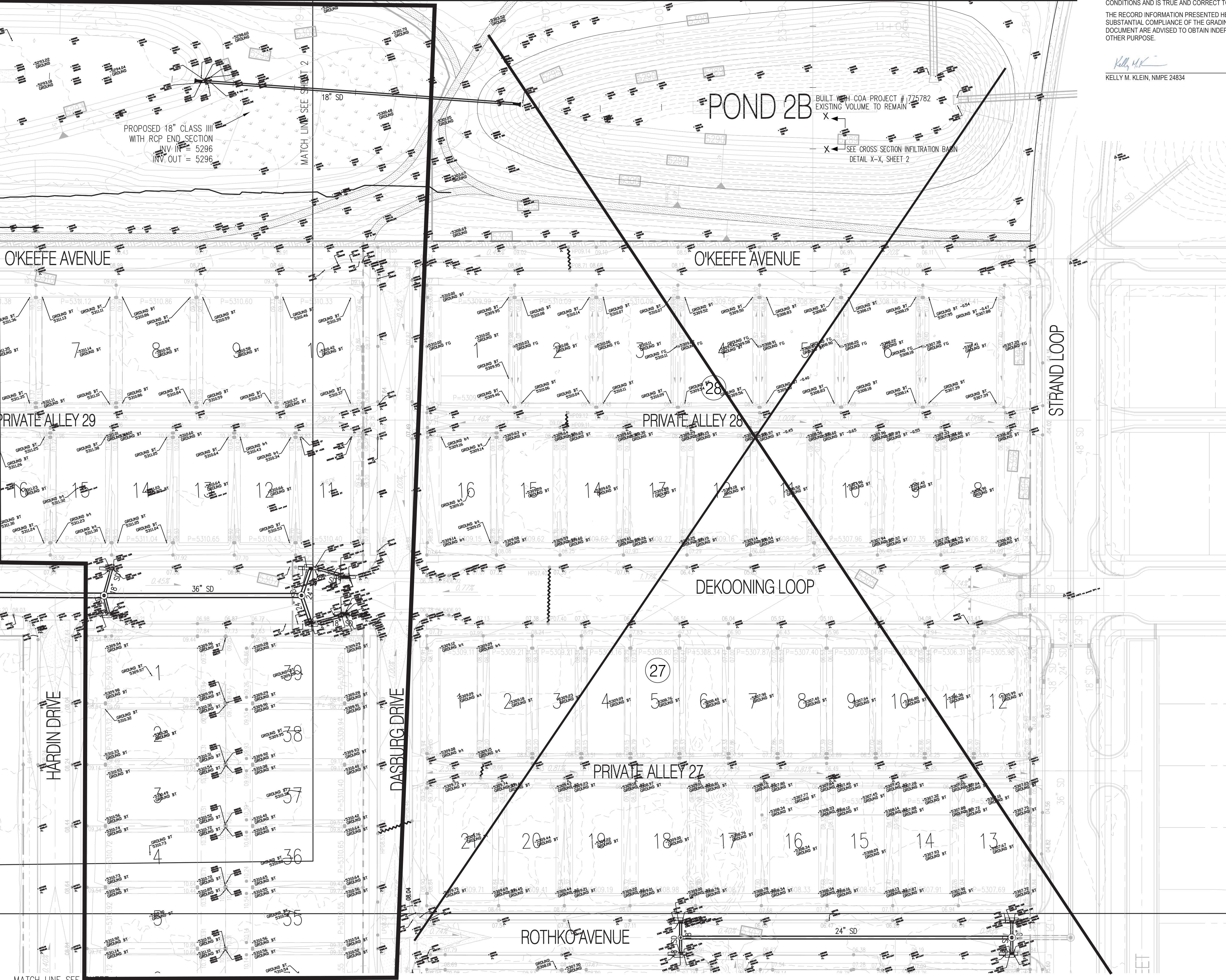
- LEGEND
- UNIT BOUNDARY
 - FUTURE SPOT ELEVATION
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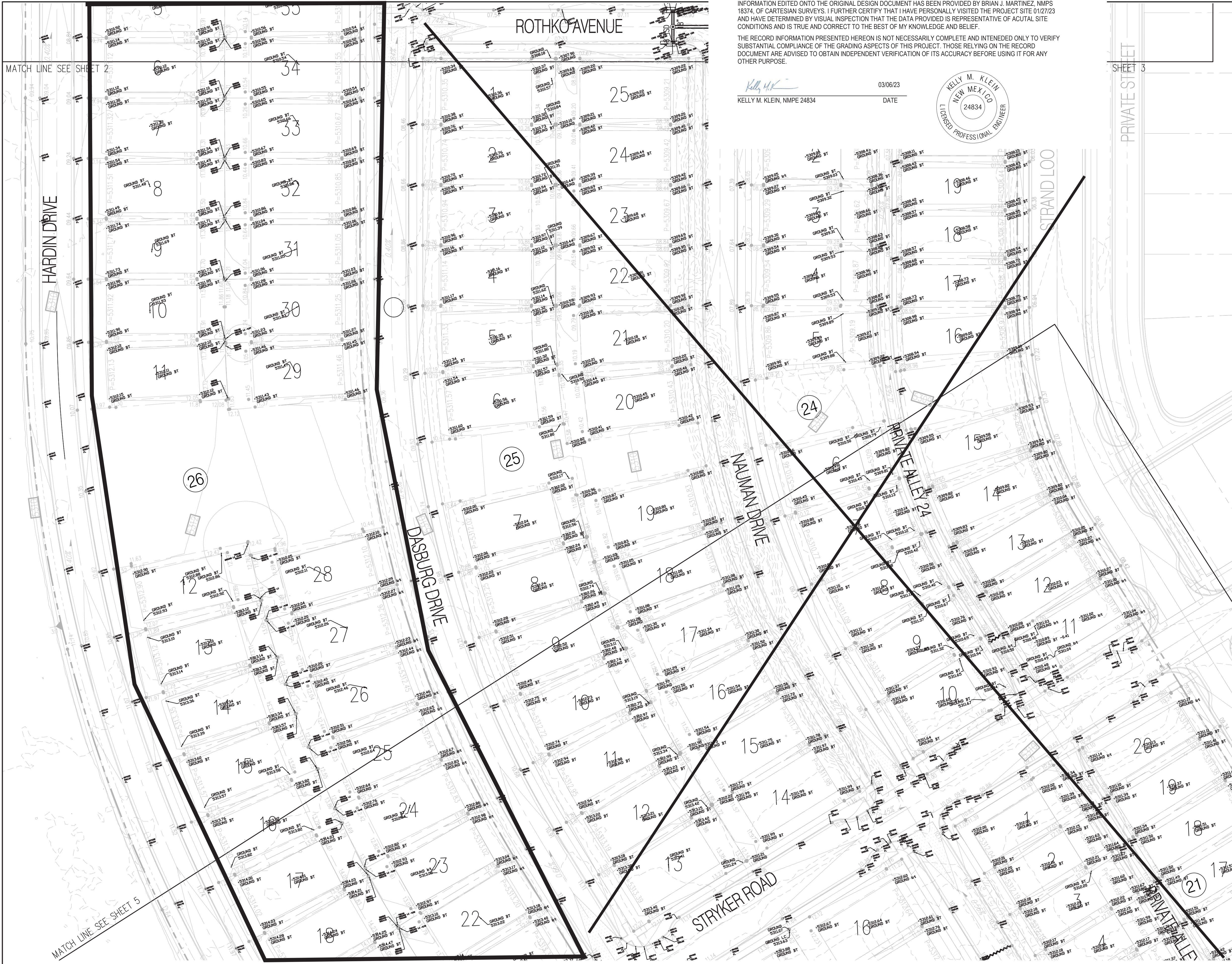


40 20 0 40
1"=40'

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CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT			
MONTAGE UNIT 4 GRADING PLAN			
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KELLY M. KLEIN, NMPE 24834
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GENERAL NOTES

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LEGEND

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40 20 0 40
1"=40'

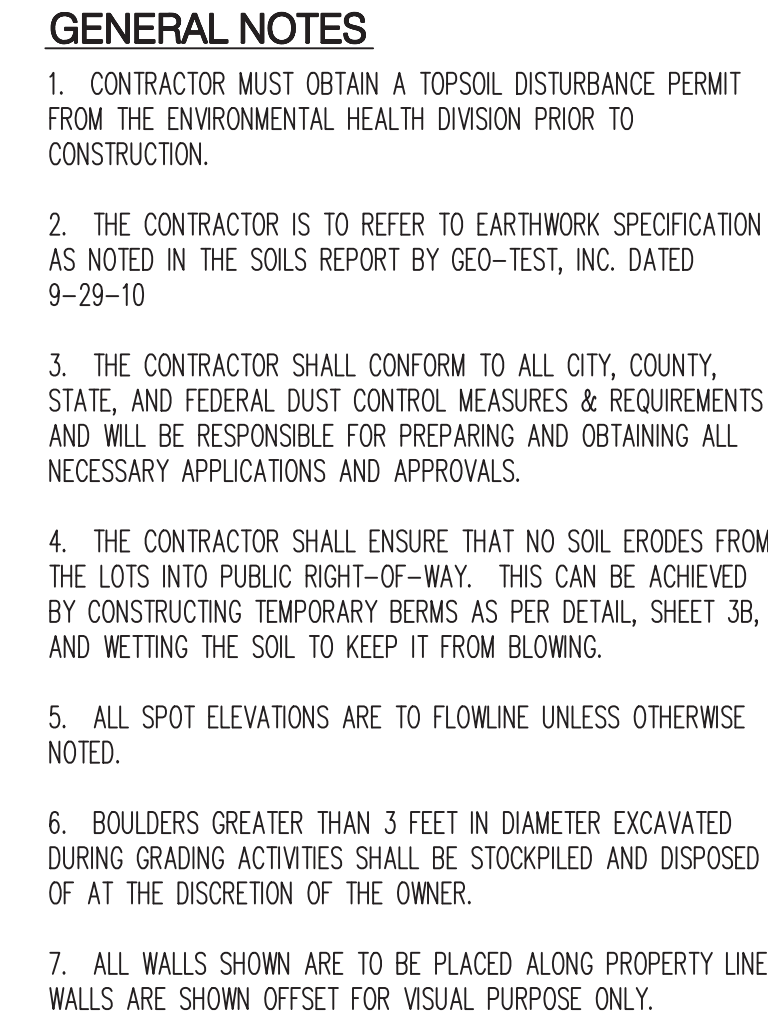
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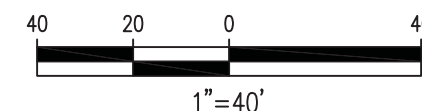
CITY OF ALBUQUERQUE
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MONTAGE UNIT 4
GRADING PLAN

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	UNIT BOUNDARY
	FUTURE SPOT ELEVATION
	PROPOSED SPOT ELEVATION
	EXISTING SPOT ELEVATION (GRND & TC)
	EXISTING CURB & GUTTER
	PROPOSED CURB & GUTTER
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MONTAGE UNIT 4

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
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The seal is circular with three concentric rings. The outermost ring contains the text "KELLY M. KLEIN" at the top and "LICENSED PROFESSIONAL ENGINEER" at the bottom. The middle ring contains the text "NEW MEXICO". The innermost circle contains the license number "24834".