CITY OF ALBUQUERQUE



January 16, 2018

David Soule, P.E. Rio Grande Engineering PO Box 93924 Albuquerque, NM 87199

RE: Cherokee Subdivision

1304 Cherokee NW

Grading Plan Engineer's Stamp Date: 1/12/18

Drainage File: G14D089

Dear Mr. Soule:

Based on the information provided in your submittal received 1/12/18, this Grading Plan is approved for Preliminary Plat and Grading Permit.

Prior to Building Permit:

PO Box 1293

1. Pad Certifications will be required prior to Hydrology approving the residential Building Permits.

Albuquerque

Prior to Certificate of Occupancy:

2. Engineer's Certification, per the DPM Checklist, will be required to ensure the ponds remained intact following home construction.

NM 87103

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

www.cabq.gov

Sincerely,

Dana Peterson, P.E.

Senior Engineer, Planning Dept. Development Review Services



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#:	
Legal Description:	
City Address:	
Engineering Firm:	Contact:
Address:	
Phone#: Fax#:	E-mail:
Owner:	Contact:
Address:	
Phone#: Fax#:	E-mail:
Architect:	
Address:	
	E-mail:
Other Contact:	Contact:
Address:	
Phone#: Fax#:	E-mail:
DEPARTMENT: HYDROLOGY/ DRAINAGE TRAFFIC/ TRANSPORTATION MS4/ EROSION & SEDIMENT CONTROL	CHECK TYPE OF APPROVAL/ACCEPTANCE SOUGHT:BUILDING PERMIT APPROVALCERTIFICATE OF OCCUPANCY
	CERTIFICATE OF OCCUPANCE
TYPE OF SUBMITTAL:	PRELIMINARY PLAT APPROVAL
ENGINEER/ ARCHITECT CERTIFICATION	SITE PLAN FOR SUB'D APPROVAL
CONCEPTUAL G & D PLAN	SITE PLAN FOR BLDG. PERMIT APPROVAL
GRADING PLAN	FINAL PLAT APPROVAL SIA/ RELEASE OF FINANCIAL GUARANTEE
DRAINAGE MASTER PLAN	FOUNDATION PERMIT APPROVAL
DRAINAGE REPORT	GRADING PERMIT APPROVAL
CLOMR/LOMR	SO-19 APPROVAL
	PAVING PERMIT APPROVAL
TRAFFIC CIRCULATION LAYOUT (TCL)	GRADING/ PAD CERTIFICATION
TRAFFIC IMPACT STUDY (TIS)	WORK ORDER APPROVAL
EROSION & SEDIMENT CONTROL PLAN (ESC)	CLOMR/LOMR
OTHER (SPECIFY)	PRE-DESIGN MEETING
	OTHER (SPECIFY)
IS THIS A RESUBMITTAL?: Yes No	
DATE SUBMITTED:By:	

COA STAFF: ELECTRONIC SUBMITTAL RECEIVED: ____

CITY OF ALBUQUERQUE



January 11, 2018

David Soule, P.E. Rio Grande Engineering PO Box 93924 Albuquerque, NM 87199

RE: Cherokee Subdivision

1304 Cherokee NW

Grading Plan Engineer's Stamp Date: 1/9/18

Drainage File: G14D089

Dear Mr. Soule:

Based on the information provided in your submittal received 1/10/18, the Grading Plan cannot be approved until the following are addressed.

Prior to Preliminary Plat & Grading Permit:

PO Box 1293

- 1. Provide onsite ponding volume on each lot for the 100-year, 10day volume; infiltration rates cannot be accepted in lieu of this volume requirement. UPDATED CALCULATIONS
- Please add swales along the side yards to direct runoff into the ponds.
 ADDED

Albuquerque

Prior to Building Permit:

NM 87103

 Pad Certifications will be required prior to Hydrology approving the residential Building Permits. ACKNOWLEDGED

Prior to Certificate of Occupancy:

www.cabq.gov

4. Engineer's Certification, per the DPM Checklist, will be required to ensure the ponds remained intact following home construction. ACKNOWLEDGED

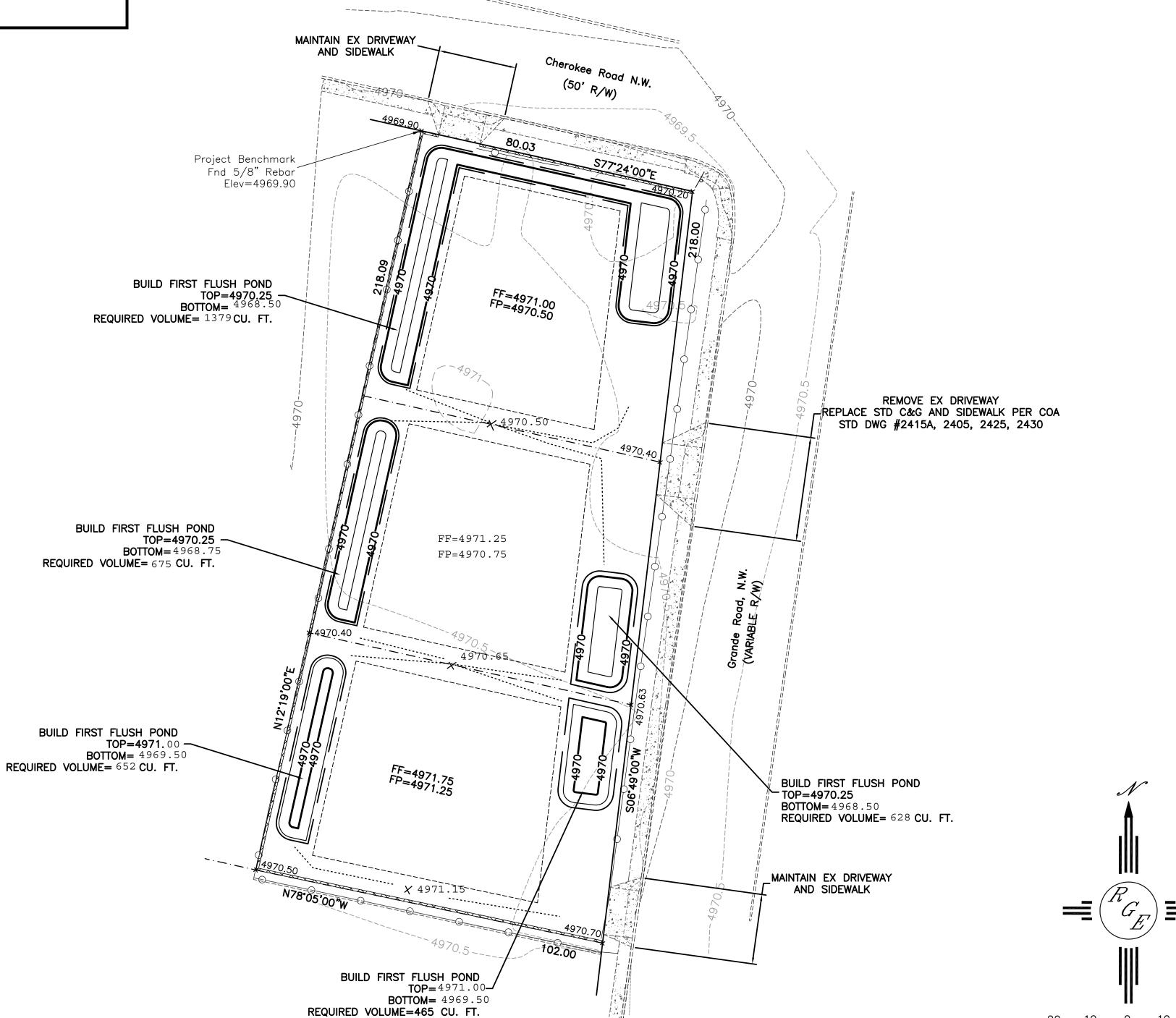
If you have any questions, please contact me at 924-3695 or dpeterson@cabq.gov.

Sincerely,

Dana Peterson, P.E.

Senior Engineer, Planning Dept. Development Review Services

Weighted E Method LOT 1A LOT 1B LOT 1C 19646.00 | 0.451 | 0% | 0.000 | 34% | 0.152 | 15% | 0.068 | 51% | 0.228 1.505 0.057 1.63 PROPOSED Weighted E = Ea*Aa + Eb*Ab + Ec*Ac + Ed*Ad / (Total Area) Volume = Weighted D * Total Area First flush requirement 281.6424 cubic feet Flow = Qa * Aa + Qb * Ab + Qc * Ac + Qd * Ad Where for 100-year, 6-hour storm(zone2) Qb= 2.28 Eb= 0.78 Ec= 1.13 Qc= 3.14 Ed= 2.12 Qd= 4.7 **Developed Conditions** FLAT GRADING SCHEME PEAK FLOW **TOTAL FLOW EXISITNG** 1.03 CFS 1277 CF PROPOSED 1.63 CFS 3790 CF ALLLOWED 1.24 CFS 0 CF PONDING PROVIDED GENERATED PROVIDED LOT 1A POND POND POND 1247 CF 1379 CF LOT1B 1254 CF 1303 CF LOT 1C 1288 CF 1117 CF TOTAL 3794 CF 3790 CF DRAINAGE NARRATIVE THIS SITE IS A REDEVELOPMENT OF A SITE THAT WAS PREVIOSLY DEVELOPED. THE PROPSED DRAINAGE SOLUTION SHALL UTILIZE THE FLAT GRADING SCHEME. THE SITE CURRENTLY DISCHARGES 1.03 CFS AND 1277 CUBIC FEET OF STORM WATER DURING A 100-YEAR, 24-HOUR EVENT THE PROPOSED DEVELOPMENT PLACES THE FINISHED PAD 1' ABOVE THE ROADWAY FLOWLINE. THE ENTIRE 100-YEAR, 10-DAY STORM WATER VOLUME IS RETAINED ONSITE. THE TOTAL REQUIRED FIRST FLUSH VOLUME OF 282 CUBIC FEET IS RETAINED ONSITE. DUE TO EXISTING ROADWAYS AND PERIMTER FENCES THIS SITE IS NOT IMPACTED BY UPLAND FLOWS. IN THE EVENT OF A LARGER RAINFALL, THE LOTS WILL OVERLOW TO THE STREE THE PONDS ARE 1.25 FEE DEEP. THE SOIL CLASSIFICATION IS GE-GILA CLAY-LOAM WITH A INFILTRATION CAPACITY OF 0.6" PER HOUR, THEREFORE THE POND WILL DRAIN IN 25 HOURS



EROSION CONTROL NOTES:

PERMIT PRIOR TO BEGINNING WORK.

RESPONSIBILITY OF THE CONTRACTOR.

INTO EXISTING RIGHT-OF-WAY.

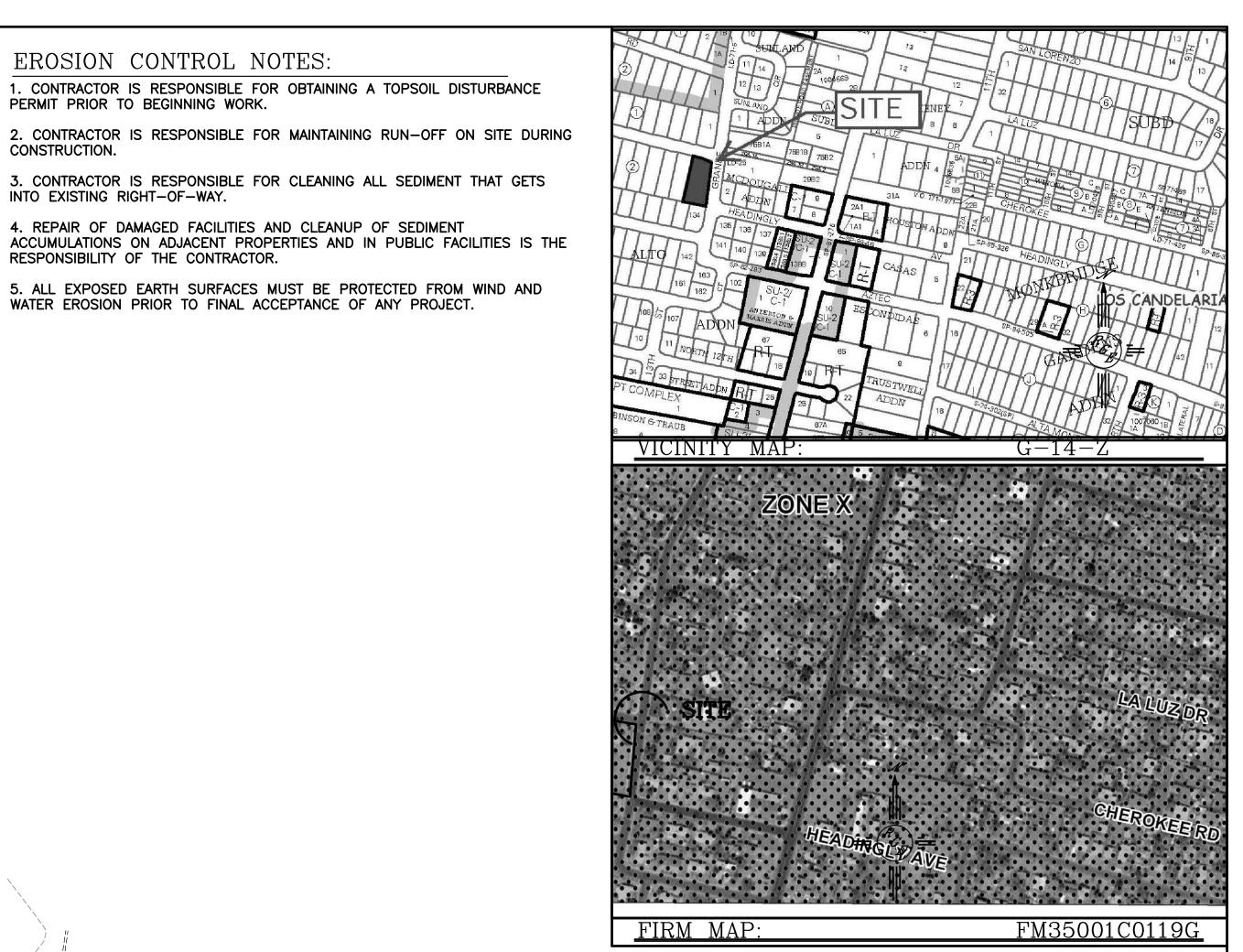
CONSTRUCTION.

1. CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TOPSOIL DISTURBANCE

5. ALL EXPOSED EARTH SURFACES MUST BE PROTECTED FROM WIND AND

4. REPAIR OF DAMAGED FACILITIES AND CLEANUP OF SEDIMENT

WATER EROSION PRIOR TO FINAL ACCEPTANCE OF ANY PROJECT.



LEGAL DESCRIPTION:

Lots 1 Block 2, ALTO ADD

NOTES:

1. ALL SPOT ELEVATIONS REPRESENT FLOWLINE ELEVATION UNLESS OTHERWISE

2. ALL SLOPES SHALL BE 3:1 MAX. AND GRAVEL OR NATIVE SEEDING PRIOR TO CO.

LEGEND

EXISTING CONTOUR ---- Existing index contour PROPOSED CONTOUR PROPOSED INDEX CONTOUR SLOPE TIE EXISTING SPOT ELEVATION × XXXX * XXXX PROPOSED SPOT ELEVATION — - - — BOUNDARY CENTERLINE RIGHT-OF-WAY

PROPOSED CMU SCREEN WALL-18" MAX. RETAINAGE

CHEROKKE ROAD GRADING AND DRAINAGE PLAN 21845-LAYOUT-1-07-1 Rio Grande Lingineering 1/12/18 1606 CENTRAL AVENUE SE

DAVID SOULE P.E. #14522

SCALE: 1"=20'

SUITE 201
ALBUQUERQUE, NM 87106
(505) 872-0999

DRAWN

BY WCWJ

1-07-17

SHEET #

__

JOB #

21845

IMPROVEMENTS.

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