

# CITY OF ALBUQUERQUE

Planning Department  
Alan Varela, Director



Mayor Timothy M. Keller

January 5, 2024

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

**RE: 14<sup>th</sup> Street Townhomes  
Grading and Drainage Plan  
Engineer's Stamp Date: 10/29/23  
Hydrology File: K13D050B (620 14<sup>th</sup> St), K13D050C (624 14<sup>th</sup> St),  
& K13D050D (628 14<sup>th</sup> St)**

Dear Mr. Soule:

Based upon the information provided in your submittal received 12/29/2023, the Grading & Drainage Plan is approved for Building Permit, and Grading Permit. Please attach a copy of this approved plan in the construction sets for Building Permit processing along with a copy of this letter.

PO Box 1293

Albuquerque

NM 87103

www.cabq.gov

**PRIOR TO CERTIFICATE OF OCCUPANCY:**

1. Engineer's Certification, per the DPM Part 6-14 (F): *Engineer's Certification Checklist For Non-Subdivision* is required. **Please make separate submittals for each address with a bubble showing what is being certified.**

If the project total area of disturbance (including the staging area and any work within the adjacent Right-of-Way) is 1 acre or more, then an Erosion and Sediment Control (ESC) Plan and Owner's certified Notice of Intent (NOI) is required to be submitted to the Stormwater Quality Engineer (Doug Hughes, PE, [jhughes@cabq.gov](mailto:jhughes@cabq.gov), 924-3420) 14 days prior to any earth disturbance.

If you have any questions, please contact me at 924-3995 or [rbrissette@cabq.gov](mailto:rbrissette@cabq.gov).

Sincerely,

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 (DTIS)

Project Title: \_\_\_\_\_ Hydrology File # \_\_\_\_\_

Legal Description: \_\_\_\_\_

City Address, UPC, OR Parcel: \_\_\_\_\_

Applicant/Agent: \_\_\_\_\_ Contact: \_\_\_\_\_

Address: \_\_\_\_\_ Phone: \_\_\_\_\_

Email: \_\_\_\_\_

Applicant/Owner: \_\_\_\_\_ Contact: \_\_\_\_\_

Address: \_\_\_\_\_ Phone: \_\_\_\_\_

Email: \_\_\_\_\_

(Please note that a DFT SITE is one that needs Site Plan Approval & ADMIN SITE is one that does not need it.)

**TYPE OF DEVELOPMENT:** PLAT (#of lots) \_\_\_\_\_ RESIDENCE  
DFT SITE ADMIN SITE

RE-SUBMITTAL: YES NO

**DEPARTMENT:** TRANSPORTATION HYDROLOGY/DRAINAGE

**Check all that apply under Both the Type of Submittal and the Type of Approval Sought:**

### TYPE OF SUBMITTAL:

- ENGINEER/ARCHITECT CERTIFICATION
- PAD CERTIFICATION
- CONCEPTUAL G&D PLAN
- GRADING & DRAINAGE PLAN
- DRAINAGE REPORT
- DRAINAGE MASTER PLAN
- CLOMR/LOMR
- TRAFFIC CIRCULATION LAYOUT (TCL)  
ADMINISTRATIVE
- TRAFFIC CIRCULATION LAYOUT FOR DFT  
APPROVAL
- TRAFFIC IMPACT STUDY (TIS)
- STREET LIGHT LAYOUT
- OTHER (SPECIFY) \_\_\_\_\_

### TYPE OF APPROVAL SOUGHT:

- BUILDING PERMIT APPROVAL
- CERTIFICATE OF OCCUPANCY
- CONCEPTUAL TCL DFT APPROVAL
- PRELIMINARY PLAT APPROVAL
- FINAL PLAT APPROVAL
- SITE PLAN FOR BLDG PERMIT DFT  
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
- OTHER (SPECIFY) \_\_\_\_\_

DATE SUBMITTED: \_\_\_\_\_

Weighted E Method

Basin	Area (sf)	Area (acres)	Treatment				100-Year 6-Hr		100 yr 24-Hour				
			A (%)	B (%)	C (%)	D (%)	Weighted E (cfs-ft)	Volume (cfs-ft)	Flow cfs	Volume (cfs-ft)			
EXISTING	8032.00	0.184	0%	7%	0.013	80%	0.148	12%	0.022	1.080	6.017	0.54	0.018
PROPOSED	8032.00	0.184	0%	5%	0.009	9%	0.017	86%	0.159	2.048	0.031	0.72	0.042

Equations:

Weighted E = Ea\*As + Eb\*Ab + Ec\*Ac + Ed\*Ad / (Total Area)  
 Volume = Weighted E \* Total Area  
 Flow = Qa \* As + Qb \* Ab + Qc \* Ac + Qd \* Ad  
 Where for 100-year, 6-hour storm(zone1)  
 Ea= 0.95 Qa= 1.54  
 Eb= 0.73 Qb= 2.16  
 Ec= 0.95 Qc= 2.87  
 Ed= 2.24 Qd= 4.12

Developed Conditions	TOTAL VOLUME
HISTORICAL DISCHARGE	0.54 CF
ALLOWED PER PER OVERALL	0.77 CF
PROPOSED GENERATION	0.72 CF
PROPOSED PONDING	150 CF

This site is an redevelopment of a previously developed lot. The existing house was demolished at some point in the past. This is part of a previously approved grading plan (K13-050) the overall site (14200)s allowed 1.37 cfs. The prorated discharge allowed for this site is .77 cfs. The drainage solution allows free discharge and rets the redevelopment water quality volume on site. Due to drain through curb an SQ-19 permit will be required

EROSION CONTROL NOTES:

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

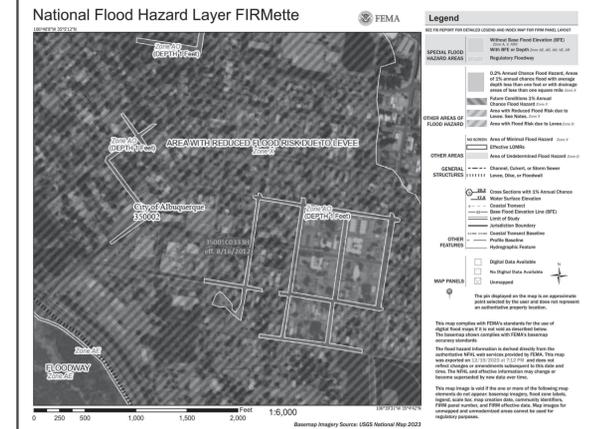
City of Albuquerque  
 Planning Department  
 Development Review Services  
**HYDROLOGY SECTION**  
**APPROVED**  
 DATE: 01/05/24  
 BY: *Randy Brissett*  
 HydroTrans # K13D050B, K13D050C, & K13D050D

THE APPROVAL OF THESE PLANS AND REPORTS SHALL NOT BE CONSIDERED AN ENDORSEMENT OR GUARANTEE OF ANY CITY OR COUNTY OF ALBUQUERQUE OR THE STATE OF NEW MEXICO. THE CITY OF ALBUQUERQUE DOES NOT WARRANT THE ACCURACY OF THE INFORMATION PROVIDED HEREIN. SPECIAL CONDITIONS OR CONTRACT TERMS SHALL APPLY TO ALL APPROVED PLANS. PLANS SHALL NOT BE CHANGED, MODIFIED OR ALTERED WITHOUT THE AUTHORIZATION OF THE CITY OF ALBUQUERQUE.

APPROVAL OF GRADING & DRAINAGE PLANS SHALL EXPIRE TWO (2) YEARS AFTER THE APPROVAL DATE BY THE CITY IF NO BUILDING PERMIT HAS BEEN PULLED ON THE DEVELOPMENT.



VICINITY MAP: K-13-Z



FIRM MAP:

LEGAL DESCRIPTION:

LOTS 17-AP-P2, 18-AP-P2 AND 19-AP-P2 14TH + COAL SUBDIVISION CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO

NOTES:

- ALL SPOT ELEVATIONS REPRESENT FLOWLINE ELEVATION UNLESS OTHERWISE NOTED.
- ALL SLOPES SHALL BE 3:1 MAX. AND GRAVEL OR NATIVE SEEDING PRIOR TO CO.
- ANY PERIMETER WALLS MUST BE PERMITTED SEPARATELY ALL RETAINING WALL DESIGN SHALL BE BY OTHERS.
- SURVEY INFORMATION PROVIDED BY COMMUNITY SCIENCES CORPORATION USING NAVD DATUM 1988.
- A PAD ELEVATION CERTIFICATION SHALL BE REQUIRED PRIOR TO RELEASE OF BUILDING PERMIT.

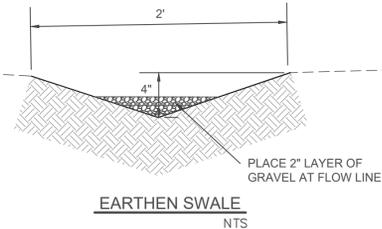
LEGEND

-----XXXX-----	EXISTING CONTOUR
-----XXXX-----	EXISTING INDEX CONTOUR
-----XXXX-----	PROPOSED CONTOUR
-----XXXX-----	PROPOSED INDEX CONTOUR
• XXXX	EXISTING SPOT ELEVATION
• XXXX	PROPOSED SPOT ELEVATION
-----	BOUNDARY
-----	ADJACENT BOUNDARY
=====	EXISTING CURB AND GUTTER
-----<-----	PROPOSED EARTHEN SWALE
-----<-----	PROPOSED RETAINING WALL
-----	PROPOSED GRAVEL
-----	PROPOSED CONCRETE
-----	PROPOSED 2' WIDE COBBLE SWALE

Private Drainage Facilities within City Right-of-Way Notice to Contractor (Special Order 19 ~ "SO-19")

- Build sidewalk culvert per COA STD DWG 2236. Work is permitted and inspected by DMD Construction Services Division.
- An excavation permit will be required before beginning any work within City Right-Of-Way.
- All work on this project shall be performed in accordance with applicable federal, state and local laws, rules and regulations concerning construction safety and health.
- Prior to any excavation, the contractor must contact **New Mexico One Call**, dial "811" [or (505) 260-1990] for the location of existing utilities.
- Prior to construction, the contractor shall excavate and verify the locations of all obstructions. Should a conflict exist, the contractor shall notify the engineer so that the conflict can be resolved with a minimum amount of delay.
- Backfill compaction shall be 95%.
- Maintenance of the facility shall be the responsibility of the owner of the property being served.
- Work on arterial streets may be required on a 24-hour basis.
- For excavation and barricading inspections, contact DMD Construction Services Division.

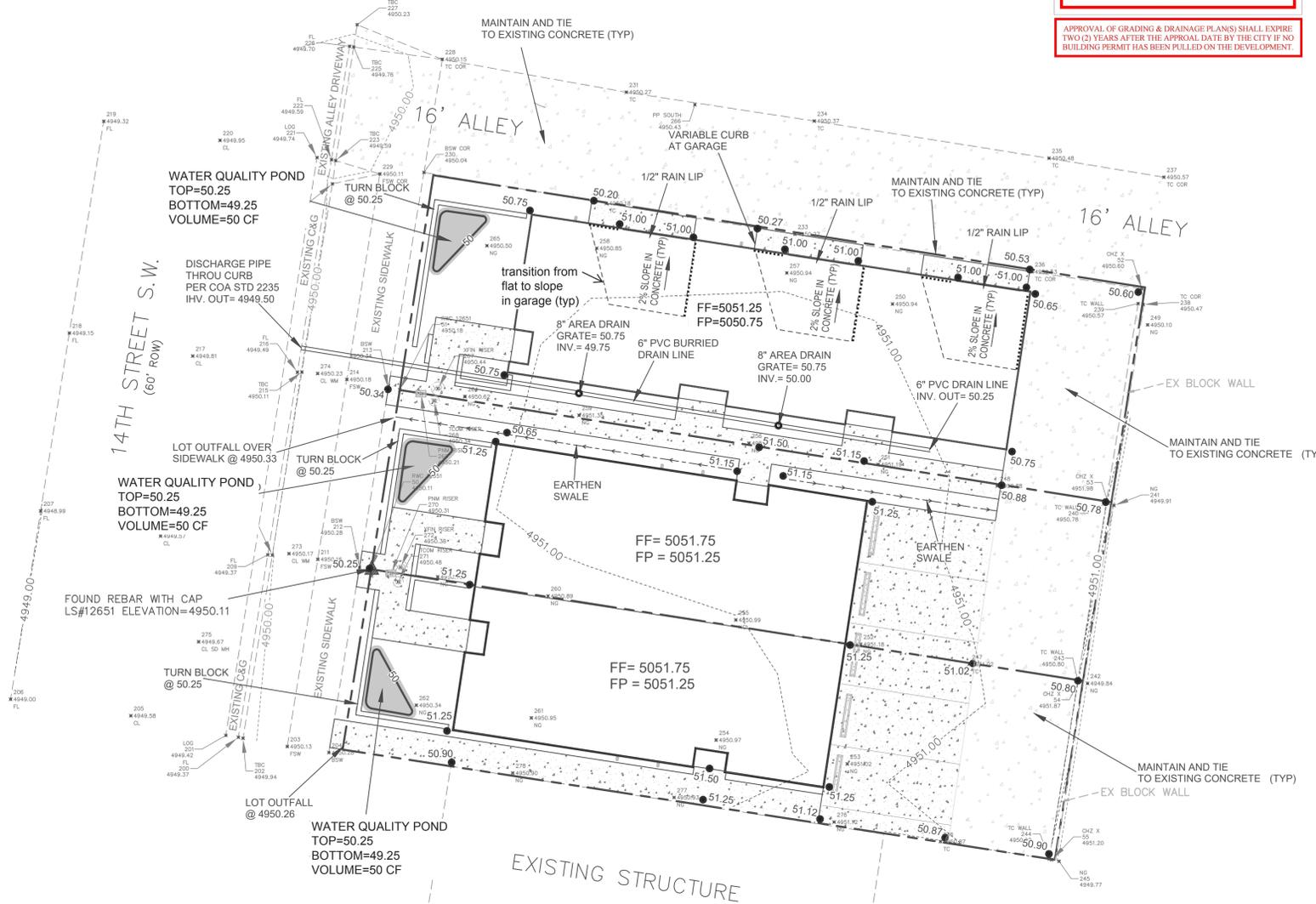
CONSTRUCT ALL SWALES AND EROSION PROTECTION (SHOWN HATCHED) BELOW ADJACENT GRADE TO ENSURE RUNOFF CAN BE CAPTURED AND CONVEYED PROPERLY.



EARTHEN SWALE NTS

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.



N  
  
 R G E  
  
 SCALE: 1"=10'

ENGINEER'S SEAL 	620+624+628 14th STREET TOWNHOME PROJECT	DRAWN BY DEM
10/29/23	DATE 12-21-23	14th Street Townhomes DWG
DAVID SOULE P.E. #14522	<b>GRADING AND DRAINAGE PLAN</b>  RIO GRANDE Engineering P.O. BOX 53034 ALBUQUERQUE, NM 87199 (505) 321-8099	SHEET # C1
		JOB #