# CITY OF ALBUQUERQUE



June 28, 2017

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

RE: 5501 Bell SE Grading Plan

Engineer's Stamp Date 6/21/17 (File: L18D082)

Dear Mr. Soule:

Based on the information provided in your submittal received 6/22/17, the Grading Plan cannot be approved for Building Permit until the following are addressed:

- 1. This site requires a Flood Plain Permit, submitted to Rudy Rael (<u>rrael@cabq.gov</u>), for grading work in the flood plain.
- 2. Provide project benchmark information.

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

Albuquerque

PO Box 1293

Sincerely,

New Mexico 87103

www.cabq.gov

Dana Peterson, P.E.

Senior Engineer, Planning Dept. Development Review Services

Orig: Drainage file



# 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#:		k Order#:	
Legal Description:				
City Address:				
Engineering Firm:		Cont	act:	
Address:				
Phone#:	Fax#:	E-ma	ail:	
Owner:		Cont	act:	
Address:				
Phone#:	Fax#:	E-ma	ail:	
Architect:		Cont	act:	
Address:				
Phone#:	Fax#:	E-ma	ail:	
Other Contact:		Cont	act:	
Address:				
Phone#:	Fax#:	E-ma	ail:	
Check all that Apply:  DEPARTMENT:  HYDROLOGY/ DRAINAGE			ROVAL/ACCEPTANCE SOUGHT:	
TRAFFIC/ TRANSPORTATION BUILDING PERMIT API				
MS4/ EROSION & SEDIMENT CO	NTROL	CERTIFICATE OF	OCCUPANCY	
TYPE OF SUBMITTAL:		PRELIMINARY PI	AT APPROVAL	
ENGINEER/ ARCHITECT CERTIFICATION		<del></del>	SITE PLAN FOR SUB'D APPROVAL	
		SITE PLAN FOR B	LDG. PERMIT APPROVAL	
		FINAL PLAT APPROVAL		
		FINANCIAL GUARANTEE		
		FOUNDATION PE	FOUNDATION PERMIT APPROVAL	
DRAINAGE REPORT		GRADING PERMI	GRADING PERMIT APPROVAL	
CLOMR/LOMR		SO-19 APPROVAL	SO-19 APPROVAL	
		PAVING PERMIT		
TRAFFIC CIRCULATION LAYOU	Γ (TCL)		APPROVAL	
TRAFFIC CIRCULATION LAYOUT TRAFFIC IMPACT STUDY (TIS)	Γ (TCL)	PAVING PERMIT	APPROVAL ERTIFICATION	
		PAVING PERMIT GRADING/ PAD C	APPROVAL ERTIFICATION	
TRAFFIC IMPACT STUDY (TIS)	L PLAN (ESC)	PAVING PERMIT GRADING/ PAD C WORK ORDER APP	APPROVAL ERTIFICATION ROVAL	
TRAFFIC IMPACT STUDY (TIS) EROSION & SEDIMENT CONTRO	L PLAN (ESC)	PAVING PERMIT GRADING/ PAD C WORK ORDER APP CLOMR/LOMR PRE-DESIGN MEET	APPROVAL ERTIFICATION ROVAL ING	
TRAFFIC IMPACT STUDY (TIS) EROSION & SEDIMENT CONTRO	L PLAN (ESC)	PAVING PERMIT GRADING/ PAD C WORK ORDER APP CLOMR/LOMR PRE-DESIGN MEET	APPROVAL ERTIFICATION ROVAL	
TRAFFIC IMPACT STUDY (TIS) EROSION & SEDIMENT CONTRO OTHER (SPECIFY)	L PLAN (ESC)	PAVING PERMIT GRADING/ PAD C WORK ORDER APP CLOMR/LOMR PRE-DESIGN MEET OTHER (SPECIFY	APPROVAL ERTIFICATION ROVAL ING	

COA STAFF: ELECTRONIC SUBMITTAL RECEIVED: \_\_\_\_

# PRIVATE DRAINAGE IMPROVEMNET IN PUBLIC ROW NOTICE TO CONTRACTORS

Notice to Contractor (Special Order 19  $\sim$  "SO-19")

- 1. An excavation permit will be required before beginning any work within City Right-Of-Way.
- 2. 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.
- 3. Two working days prior to any excavation, the contractor must contact New Mexico One Call, dial "811" [or (505) 260—1990] for the location of existing
- 4. 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.
- 5. Backfill compaction shall be according to traffic/street use.
- 6. Maintenance of the facility shall be the responsibility of the owner of the property being served.
- Work on arterial streets shall be performed on a 24-hour basis.
- Prior to pouring concrete, contractor shall notify the storm drain inspector, 857-8074, to inspect reinforcement.

 Area (acres)
 Treatment A
 Treatment B
 Treatment C
 Treatment D

 (acres)
 %
 (acres)
 %
 (acres)
 %
 (acres)

Qa= 1.87

Qb= 2.6

Qd= 5.02

**PROVIDED** (CF)

808

789

to the rear. The plan will direct the north portion of the lot to the adjacent roadway. The southern half of the building shall be retained onsite. The required water harvest

volume generated by the site is retained onsite. The site currently discharges .87 cfs and the developed flow rate will be .93 cfs. Upland flows do not effect the site.

This site is an infill lot within an fully developed subdivision. The existing lots all free discahrge. Due to existing graded slopes, the existing lot drains

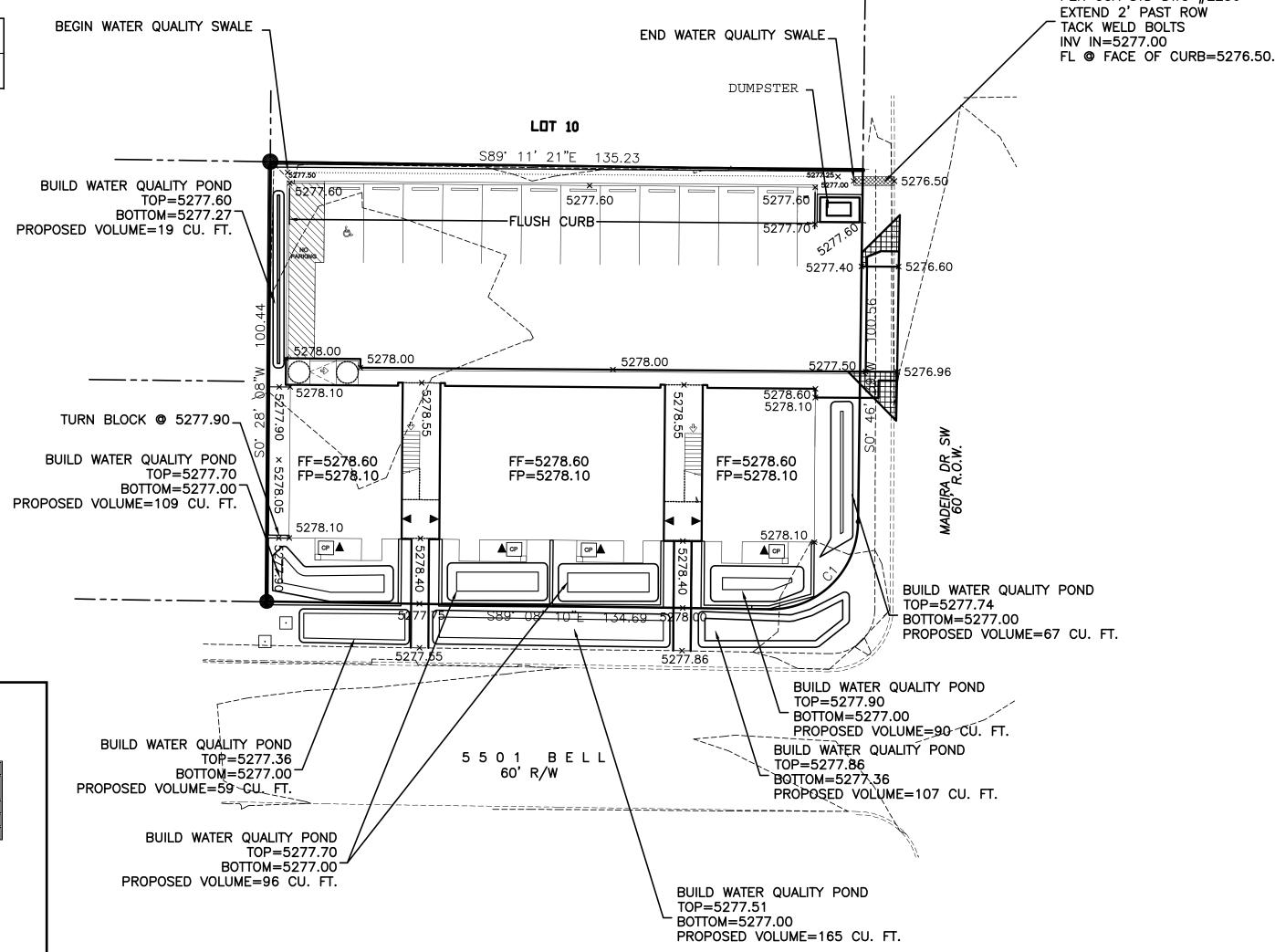
 0
 24.0%
 0.024
 17.0%
 0.01714
 59%
 0.060
 1.833

 0
 17.0%
 0.035
 6.0%
 0.0124
 77%
 0.159
 2.051

 0
 74.0%
 0.228
 26.0%
 0.07996
 0%
 0.000
 1.016

APPROVAL	NAME	DATE
INSPECTOR		

Weighted E Volume (ac-ft) (ac-ft)



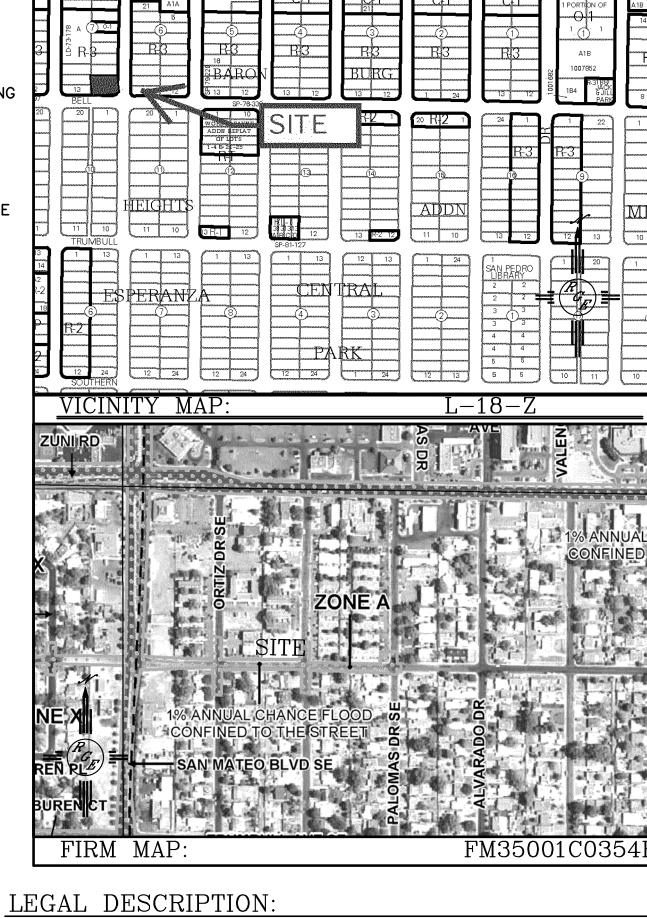
## EROSION CONTROL NOTES:

BUILD 1-2 SIDEWALK CULVERT

PER COA STD DWG #2236

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
- 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 ACCEPTANCE OF ANY PROJECT.



A PORTION OF TRACT H91, RIVERVIEW SUBDIVISION

1. ALL SPOT ELEVATIONS REPRESENT FLOWLINE ELEVATION UNLESS OTHERWISE

2. ALL CURB AND GUTTER TO 6" HEADER UNLESS OTHERWISE

- 3. ALL RETAINING WALL DESIGN SHALL BE BY OTHERS.
- 4. ALL COMMON WALLS SHALL HAVE BLOCKS TURNED AT GRADE FOR DRAINAGE
- 5. ANY CURBS OR PAVEMENT NEGATIVELY IMPACTED BY CONSTRUCTION ACTIVITY SHALL BE REPLACED TO MATCH EXISTING CONDITIONS.
- 6. ALL SITE WORK SHALL CONFORM TO CITY OF ALBUQUERQUE STANDARDS FOR
- PUBLIC WORKS CONSTRUCTION EDITION 9
- 7. TECH DESIGN SURVEY PROVIDED BY CONSTRUCTION SURVEY TECHNOLOGY USING NAVD 1988 DATUM.

## LEGEND

----- EXISTING CONTOUR ---- EXISTING INDEX CONTOUR PROPOSED CONTOUR PROPOSED INDEX CONTOUR SLOPE TIE × 4048.25 EXISTING SPOT ELEVATION × 4048.25 PROPOSED SPOT ELEVATION BOUNDARY \_\_\_\_ - \_\_\_ - \_\_\_ - \_\_\_ CENTERLINE — RIGHT—OF—WAY PROPOSED CURB EXISTING CURB AND GUTTER PROPOSED SIDEWALK EXISTING SIDEWALK



GRAPHIC SCALE

SCALE: 1"=20'

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.

Weighted E Method

NORTH BASIN **EXISTING** 

Volume = Weighted D \* Total Area

DISCHARGE FROM SITE

ONSITE Conditions

WATER QUALITY

Narrative

Flow = Qa \* Aa + Qb \* Ab + Qc \* Ac + Qd \* Ad

FIRST FLUSH WATER QUALITY VOLUME

FLOOD CONTROL (SOUTH BASIN)

CAUTION:

Where for 100-year, 6-hour storm (zone 3)

13396

Eb= 0.92

Ec= 1.29

Ed= 2.36

REQUIRED

270

779

(CF)

0.87

Weighted E = Ea\*Aa + Eb\*Ab + Ec\*Ac + Ed\*Ad / (Total Area)