



# City of Albuquerque

Planning Department  
Development & Building Services Division

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

**Project Title:** 601 WINTERWOOD PL., SE GRAING PLAN Building Permit #: \_\_\_\_\_ Hydrology File #: \_\_\_\_\_  
DRB#: \_\_\_\_\_ EPC#: \_\_\_\_\_ Work Order#: \_\_\_\_\_  
Legal Description: LOT 9, UNIT 4, EXECUTIVE HILLS SUBDIVISION  
City Address: 601 WINTERWOOD PL., SE

**Applicant:** SBS CONSTRUCTION AND ENGINEERING, LLC Contact: SHAWN BIAZAR  
Address: 10209 SNOWFLAKE CT., NW, ALBUQUERQUE, NM 87114  
Phone#: (505) 804-5013 Fax#: (505) 897-4996 E-mail: AECLLC@AOL.COM

**Other Contact:** \_\_\_\_\_ Contact: \_\_\_\_\_  
Address: \_\_\_\_\_  
Phone#: \_\_\_\_\_ Fax#: \_\_\_\_\_ E-mail: \_\_\_\_\_

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

IS THIS A RESUBMITTAL? \_\_\_\_\_ 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
- FLOODPLAIN DEVELOPMENT PERMIT APPLIC
- ELEVATION CERTIFICATE
- CLOMR/LOMR
- TRAFFIC CIRCULATION LAYOUT (TCL)
- TRAFFIC IMPACT STUDY (TIS)
- STREET LIGHT LAYOUT
- OTHER (SPECIFY) \_\_\_\_\_
- PRE-DESIGN MEETING?

**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: 2-12-2020 By: SHAWN BIAZAR

COA STAFF: \_\_\_\_\_

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

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

**RUNOFF CALCULATIONS FOR 100 YEAR/6 HOUR STORM**

BASIN	AREA (SF)	AREA (AC)	AREA (MT <sup>2</sup> )
ON-SITE	12,384.00	0.2843	0.00044421

$E = EA(AA) + EB(AB) + EC(AC) + ED(AD)$   
 $AA + AB + AC + AD$

V-360 = Weighted E (AA + AB + AC + AD)/12

- EA = 0.80
- EB = 1.08
- EC = 1.46
- ED = 2.64

**LAND TREATMENT**

**DEVELOPED CONDITION**

- AA = 0.00%
- AB = 20.00%
- AC = 20.00%
- AD = 60.00%

DEVELOPED Weighted E = 2.09

V360 (DEVELOPED) = 2,253.69 CF

- A = 2.20 CFS/AC
- B = 2.92 CFS/AC
- C = 3.73 CFS/AC
- D = 5.25 CFS/AC

**TOTAL QP = QPA AA + QPB AB + QPC AC + QPD AD**

QP (DEVELOPED) = 1.33 CFS

**Location**

This site is located at 601 Winterwood Pl. SE, Albuquerque and contains 0.2843 acre. See attached portion of Vicinity Map for exact location.

**Purpose**

The purpose of this drainage report is to present a grading and drainage solution for a new house.

**Existing Drainage Conditions**

The site for the most part drains south to Winterwood place, SE (22' Private access, drainage, and utility easement), lot 8 and drains into existing concrete channel to the bottom of the arroyo. Small portion of the runoff drains to Four Hills Road and very small portion drains north and finally into the arroyo.

**Proposed Conditions and On-Site Drainage Management Plan**

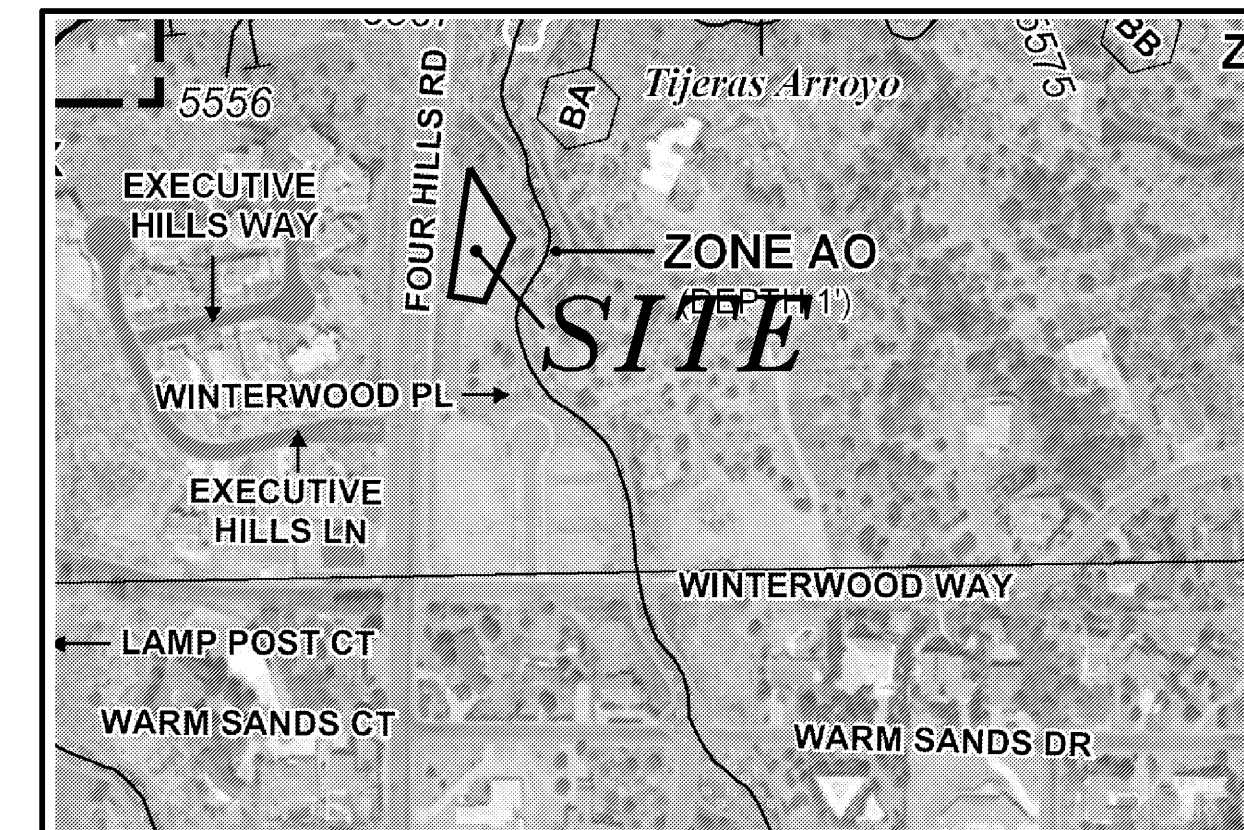
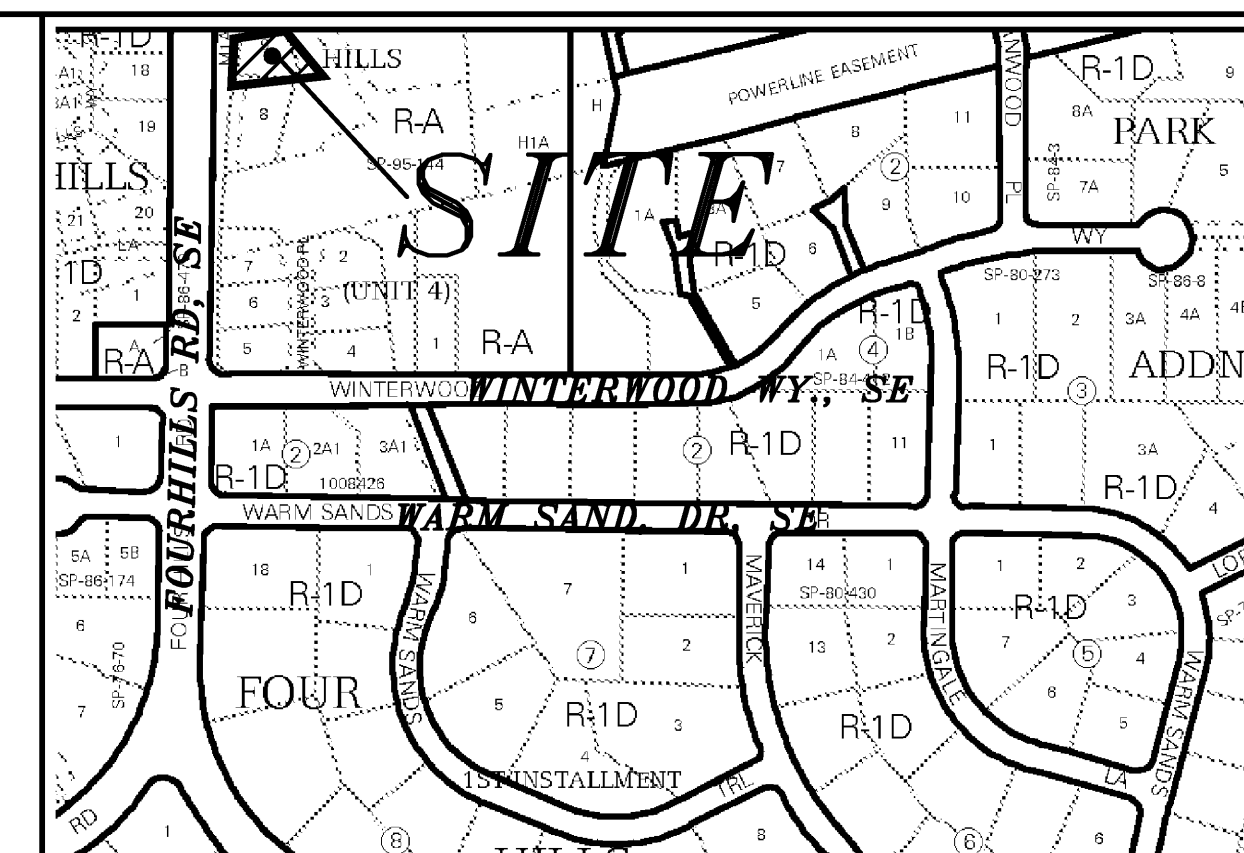
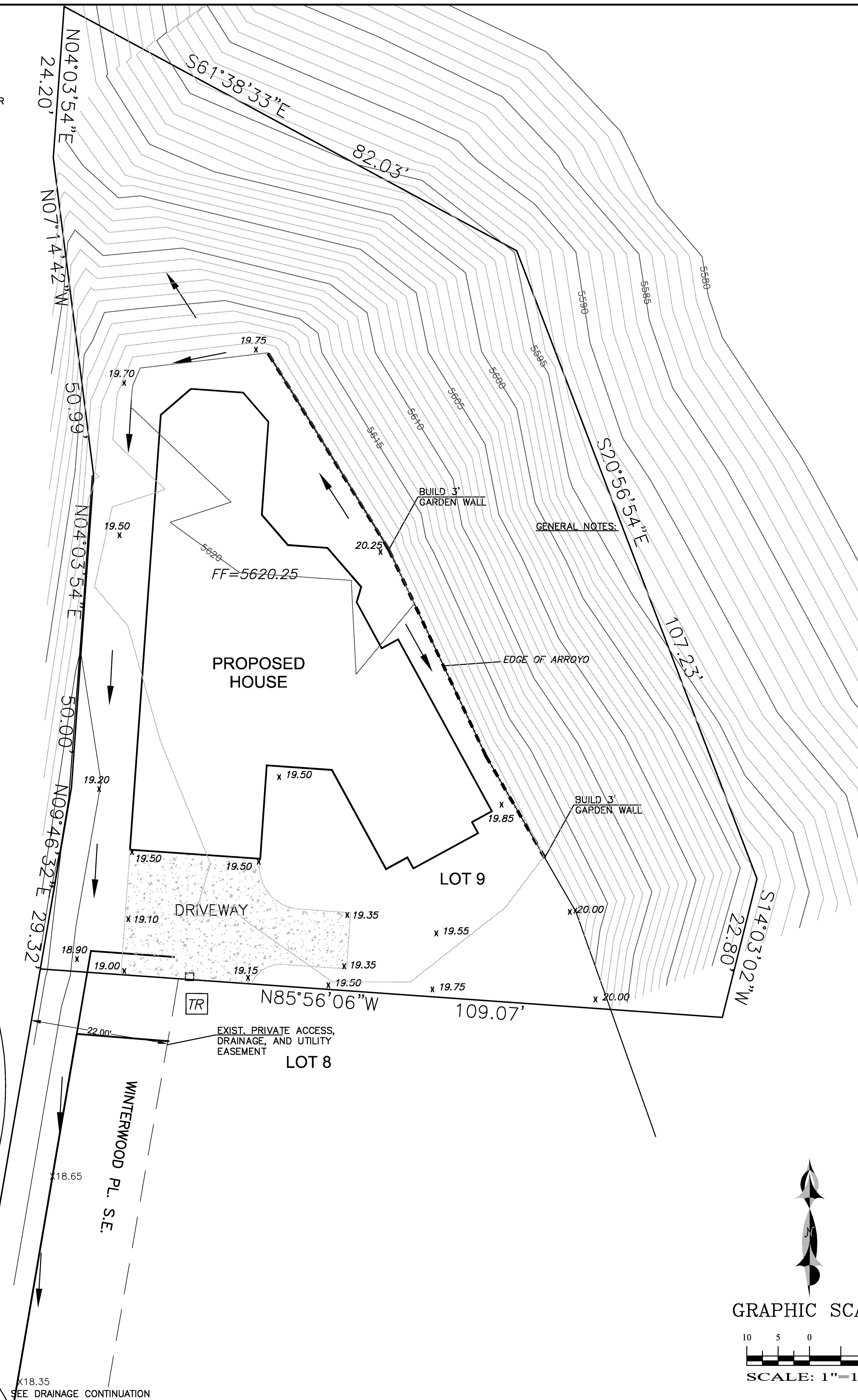
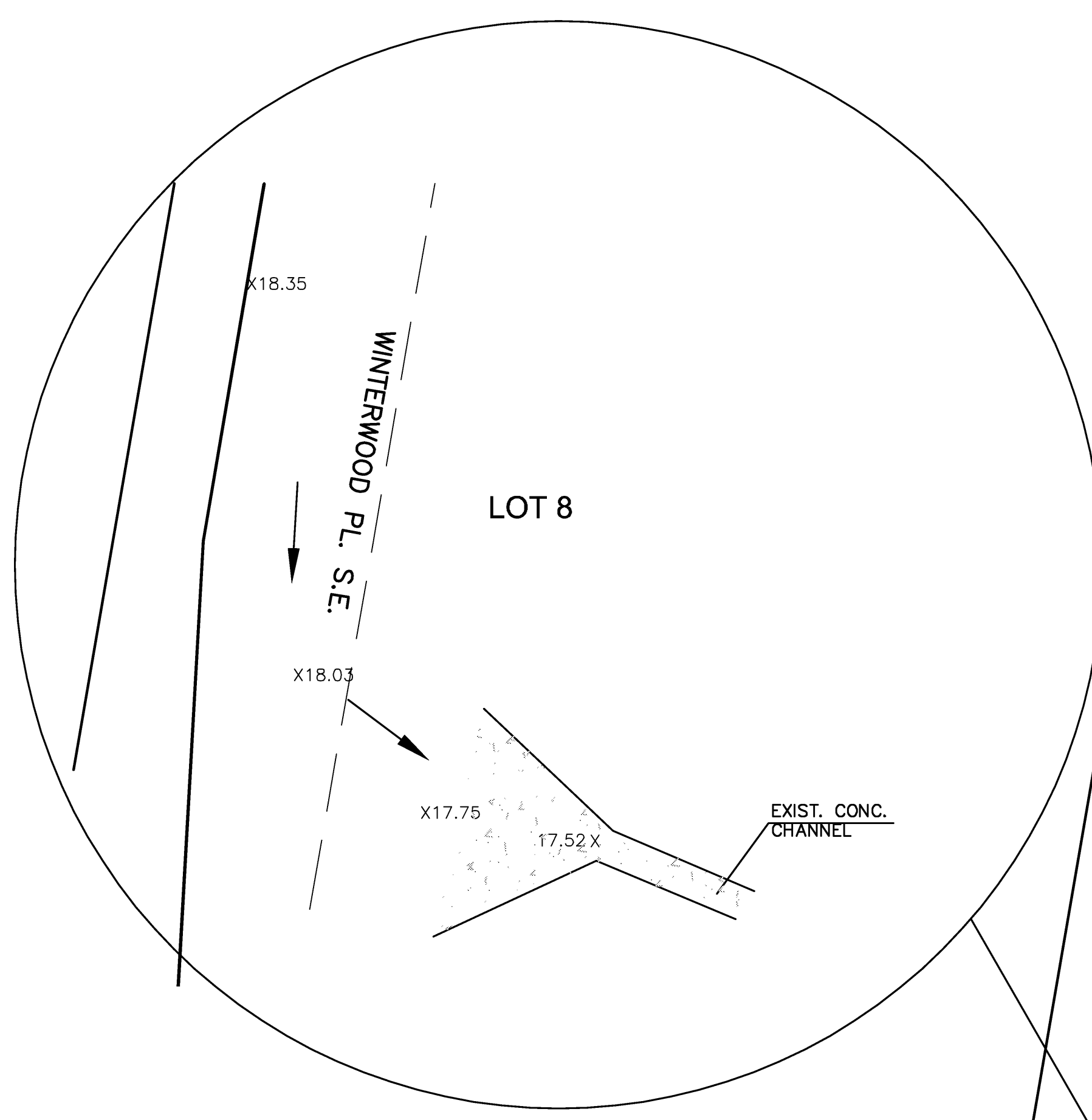
The drainage pattern will remain the same as existing conditions. Most of the site drains to lot 8 into the drainage easement and finally drains to existing concrete channel on lot 8. The small portion still will drain into Four Hills Road and a portion to the north. There are no offsite runoff.

**Calculations**

City of Albuquerque, Development Process Manual, Section 22.2, Hydrology Section, was used for runoff calculations. See this plan for runoff calculation.

**GENERAL NOTES:**

- 1: CONTOUR INTERVAL IS HALF (1.00) FOOT.
- 2: UTILITIES SHOWN HEREON ARE IN THEIR APPROXIMATE LOCATION BASED ONLY ON ABOVE GROUND EVIDENCE FOUND IN THE FIELD AND AS-BUILT INFORMATION PROVIDED BY THE CLIENT. UTILITIES SHOWN HEREON, WHETHER INDICATED AS ABANDONED OR NOT, SHALL BE VERIFIED BY OTHERS FOR EXACT LOCATION AND/ OR DEPTH PRIOR TO EXCAVATION OR DESIGN CONSIDERATIONS.
- 3: THIS IS NOT A BOUNDARY SURVEY, BEARINGS ARE ASSUMED, DISTANCES AND FOUND PROPERTY CORNERS ARE FOR INFORMATIONAL PURPOSES ONLY.
- 4: SLOPES ARE AT 3:1 MAXIMUM.
- 5: ELEVATIONS ARE BASED ON CITY OF ALBUQUERQUE CONTROL STATION CANDELARIA, HAVING AN ELEVATION OF 5090.846 FEET ABOVE SEA LEVEL.
- 6: ADD 5600 TO ALL PROPOSED SPOT ELEVATIONS.



**LEGAL DESCRIPTION:**  
 LT 9 CORRECTED PLAT OF EXECUTIVE HILLS SUBDIVISION,  
 UNIT 4, CONTAINING 0.2843 AC OR 12,384 SF  
 ADDRESS: 601 WINTERWOOD PL SE, ALBUQUERQUE

**LEGEND**

	BOUNDARY LINE
	EASEMENT LINE
	EXISTING SAS
	EXISTING SD
	EXISTING CURB & GUTTER
	CHAIN LINK FENCE
	EXISTING SIDEWALK
	EXISTING FIRE HYDRANT
	EXISTING WATER SERVICE
	EXISTING DROP INLET
	PROPOSED RETAINING WALL
	PROPOSED EXTENDED STEM WALL
	TOP OF RETAINING WALL
	TOP OF FOOTING
	TOP OF EXTENDED STEM WALL
	EXISTING ELEVATION



REZA AFAQHPOUR  
 P.E. #11814

**SBS CONSTRUCTION AND ENGINEERING, LLC**

10209 SNOWFLAKE CT., NW  
 ALBUQUERQUE, NEW MEXICO 87114  
 (505)899-5570

GRAPHIC SCALE



**601 WINTERWOOD PL., SE  
 GRADING PLAN**

DRAWING: 201931-GD.DWG	DRAWN BY: SBR	DATE: 2/10/2020	SHEET # <b>1</b>
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