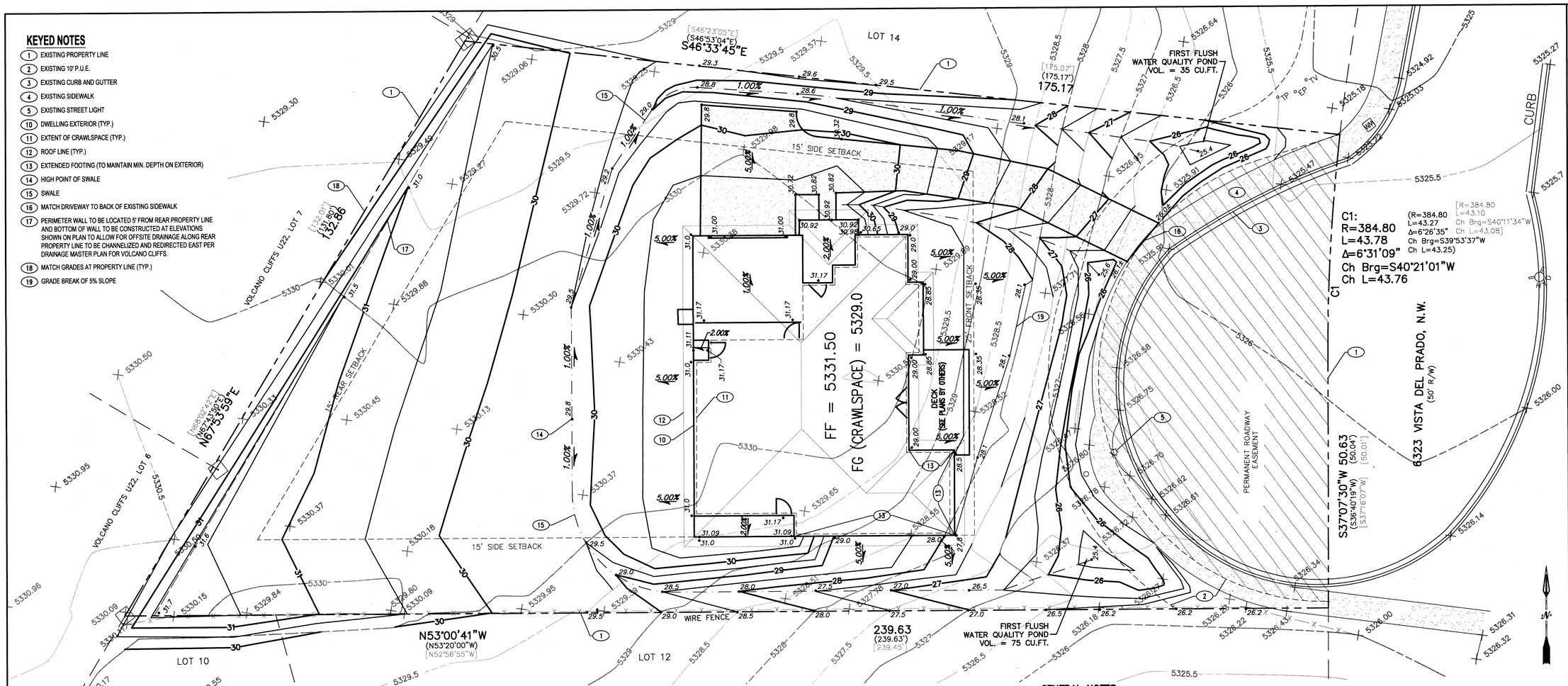
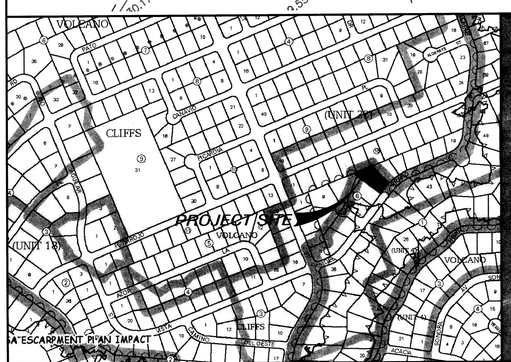
KEYED NOTES

1. EXISTING PROPERTY LINE
2. EXISTING 10' P.U.E.
3. EXISTING CURB AND GUTTER
4. EXISTING SIDEWALK
5. EXISTING STREET LIGHT
10. DWELLING EXTERIOR (TYP.)
11. EXTENT OF CRAWLSPACE (TYP.)
12. ROOF LINE (TYP.)
13. EXTENDED FOOTING (TO MAINTAIN MIN. DEPTH ON EXTERIOR)
14. HIGH POINT OF SWALE
15. SWALE
16. MATCH DRIVEWAY TO BACK OF EXISTING SIDEWALK
17. PERIMETER WALL TO BE LOCATED 5' FROM REAR PROPERTY LINE AND BOTTOM OF WALL TO BE CONSTRUCTED AT ELEVATIONS SHOWN ON PLAN TO ALLOW FOR OFFSITE DRAINAGE ALONG REAR PROPERTY LINE TO BE CHANNELIZED AND REDIRECTED EAST PER DRAINAGE MASTER PLAN FOR VOLCANO CLIFFS.
18. MATCH GRADES AT PROPERTY LINE (TYP.)
19. GRADE BREAK OF 5% SLOPE



10 0 10 20
SCALE 1" = 10' FEET



VICINITY MAP D-10-Z

FIRM MAP NO. 35001C0112G

EARTHWORK (CY)	
CUT:	210
FILL: COMPACTED	210
BALANCED	

LEGEND

- FLOW ARROW
- EL=11.28 PROPOSED ELEVATION
- ×43.00 EXISTING ELEVATION
- 66 PROPOSED CONTOUR
- 4966 EXISTING CONTOUR
- PROPERTY LINE
- 4.00% PROPOSED GRADE

HYDROLOGY

EXISTING CONDITIONS

THE EXISTING SITE IS NOT WITHIN A DESIGNATED FLOOD ZONE. THE MAJORITY OF THE SITE SURFACE DRAINS TO VISTA DEL PRADO NW.

PROPOSED CONDITIONS

THE PROPOSED SITE IMPROVEMENTS WILL INCLUDE THE CONSTRUCTION OF A SINGLE FAMILY RESIDENCE WITH LANDSCAPING AND ONSITE IMPROVEMENTS. IN ACCORDANCE WITH WITH THE SAD 228 DRAINAGE MANAGEMENT PLAN FOR UNIT 19, THE RUNOFF WILL FREE DISCHARGE ALLOWABLE DISCHARGE.

THE ALLOWABLE DISCHARGE WAS DETERMINED BY ANALYSIS OF THE BASIN INCLUDING THE LOT. THE LAND USE PERCENTAGES OF THE BASIN WERE APPORTIONED BETWEEN ROADWAYS AND LOTS BASED ON AREA. ANALYSIS OF THE APPORTIONMENT ESTABLISHED THE ALLOWABLE DISCHARGE FROM THE LOT BASED ON THE 206-LOTS BASIN YIELD OF 2.99 cfs. THE ALLOWABLE DISCHARGE IS EQUAL TO AREA * YIELD (0.285 ac * 2.99 cfs/ac = 1.5 cfs). THE ROOF, DRIVEWAY, AND AN ADDITIONAL 1000 SQ.FT. FOR FUTURE IMPROVEMENTS ARE INCLUDED IN THE IMPERVIOUS AREA PERCENTAGE FOR THE LOT.

HYDROLOGIC DATA – SAD 228 DESIGN

BASINS	AREA (acres)	LAND TREATMENT PERCENTAGES BY TYPE				YIELD (cfs/ac)	Q^{100} (cfs)	V^{100-24} (acft)
		A	B	C	D			
206-ROAD	1.38	0	0	10	90	3.80	5.23	0.404
206-LOTS	3.64	0	14	51	35	2.99	10.87	0.244
206	5.02	0	10	40	50	3.20	16.10	0.648

HYDROLOGIC DATA – PROPOSED

BASINS	AREA (acres)	LAND TREATMENT PERCENTAGES BY TYPE				YIELD (cfs/ac)	Q^{100} (cfs)	V^{100-24} (acft)
		A	B	C	D			
LOT 13	0.50	0	29	29	42	3.00	1.50	0.056

EROSION CONTROL NOTES

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 CONSTRUCTION.

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 FACILITES IS THE RESPONSIBILITY OF THE CONTRACTOR.

5. ALL EXPOSED EARTH SURFACES MUST BE PROTECTED FROM WIND AND WATER EROSION PRIOR TO FINAL (CITY) ACCEPTANCE OF ANY PROJECT.

REQUIRED FIRST FLUSH VOLUME

LOT DRAINAGE AS DEPICTED ON THIS PLAN SHALL BE MAINTAINED.

LOT DEPICTED HEREON SHALL BE RESPONSIBLE FOR MAINTAINING FIRST FLUSH RUNOFF RETENTION ON THE LOT IMMEDIATELY PRIOR TO DISCHARGE. THE VOLUME SHALL BE EQUAL TO: ROOF AREA * (0.44–0.10)/12 IN CUBIC FEET.

ROOF AREA = 3300 SQ.FT.

REQUIRED VOLUME = 3300 * (0.44–0.10)/12 = 94 CU.FT.
VOLUME PROVIDED = 110 CU.FT.

GENERAL NOTES:

1. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER THIS CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED HEREIN, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION, UPDATE NO 8.
2. THE EROSION PROTECTION SPECIFIED ON THIS PLAN IS THE MINIMUM RECOMMENDED. THE OWNER IS ENCOURAGED TO INCORPORATE EROSION RESISTANT LANDSCAPING ON AREAS WHERE EROSION MAY OCCUR SUCH AS SLOPES AND SWALES. THE OWNER IS RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ALL EROSION CONTROL FEATURES NECESSARY TO PRESERVE THE DESIGN INTENT OF THE GRADING PLAN.
3. THE DRAINAGE INFRASTRUCTURE SHOWN ON THIS PLAN IS THE RESPONSIBLITY OF THE PROPERTY OWNER.
4. ALL DISTURBED AREAS OUTSIDE THE BUILDING PAD MUST BE RESEEDED OR LANDSCAPED
5. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE, (260-1990) FOR LOCATION OF EXISTING UTILITIES.

6. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS AND EXISTING PAVEMENT. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OR SURVEYOR SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM OF DELAY.

NOTE

THE ENGINEER HAS UNDERTAKEN LIMITED FIELD VERIFICATION OF THE LOCATION, DEPTH, SIZE, OR TYPE OF EXISTING UNDERGROUND UTILITY LINES, MAKES NO REPRESENTATION PERTAINING THERETO AND ASSUMES NO RESPONSIBILITY OR LIABILITY THEREFORE. THE CONTRACTOR SHALL INFORM ITSELF OF THE LOCATION OF ANY UTILITY LINE IN OR NEAR THE AREA OF THE WORK IN ADVANCE OF AND DURING EXCAVATION WORK. THE CONTRACTOR IS FULLY RESPONSIBLE FOR ANY AND ALL DAMAGE CAUSED BY ITS FAILURE TO LOCATE, IDENTIFY, AND PRESERVE ANY AND ALL EXISTING UTILITIES. THE CONTRACTOR SHALL COMPLY WITH STATE STATUTES, MUNICIPAL AND LOCAL ORDINANCES, RULES AND REGULATIONS PERTAINING TO THE LOCATION OF THESE LINES AND FACILITIES IN PLANNING CONDUCTING EXCAVATION, WHETHER BY CALLING OR NOTIFYING THE UTILITY COMPLYING WITH "BLUE STAKES" PROCEDURES, OR OTHERWISE.

NOTE

THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY WHICH SHALL REMAIN THE RESPONSIBILITY OF THE CONTRACTOR.

NOTE

THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, ARE INTENDED FOR USE ON THIS PROJECT AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF GND ENGINEERING, LLC IN THE EVENT OF UNAUTHORIZED USE, THE USER ASSUMES ALL RESPONSIBILITY AND LIABILITY WHICH RESULTS.

LEGAL DESCRIPTION

LOT 13, BLOCK 6
VOLCANO CLIFFS UNIT 19
CITY OF ALBUQUERQUE
BERNALILLO COUNTY, NEW MEXICO

DEVELOPMENT MANAGEMENT CONSULTANTS
PROFESSIONAL CONSTRUCTION MANAGERS & CONSTULTING ENGINEERS
9320 Menaul Blvd. NE, ste. D
Albuquerque, NM 87112
DMC
Office(505) 296-7100
Fax: (505) 296-7105
&
GND, LLC
CONSULTING ENGINEERS
11032 Dreamy Way Dr. NW
Albuquerque, NM 87114
Phone: (505)-264-0472
Email: segreer@swcp.com

RECEIVED

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

6323 VISTA DEL PRADO, NW
LOT 13, BLOCK 6, VOLCANO CLIFFS UNIT 19
GRADING & DRAINAGE PLAN

LATEST DESIGN UPDATE:	MONTH/DAY/YEAR	USER DEPARTMENT

CITY PROJECT No.	ZONE MAP No.	SHEET
	D-10-Z	1 OF 1

AS BUILT INFORMATION
CONTRACTOR / WORK STAKED BY / DATE
INSPECTOR'S ACCEPTANCE BY / DATE
FIELD VERIFICATION BY / DATE
DRAWINGS CORRECTED BY / DATE
MICRO-FILM INFORMATION
RECORDED BY / DATE / No.

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES
NO. / BY / DATE

ENGINEER'S SEAL
SHELDON E. GREER
NEW MEXICO
(7154)
PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY: SEG DATE: 11/20/15
DRAWN BY: SEG DATE: 11/20/15
CHECKED BY: SEG DATE: 11/20/15

KEYED NOTES

1. EXISTING PROPERTY LINE
2. EXISTING 10' P.U.E.
3. EXISTING CURB AND GUTTER
4. EXISTING SIDEWALK
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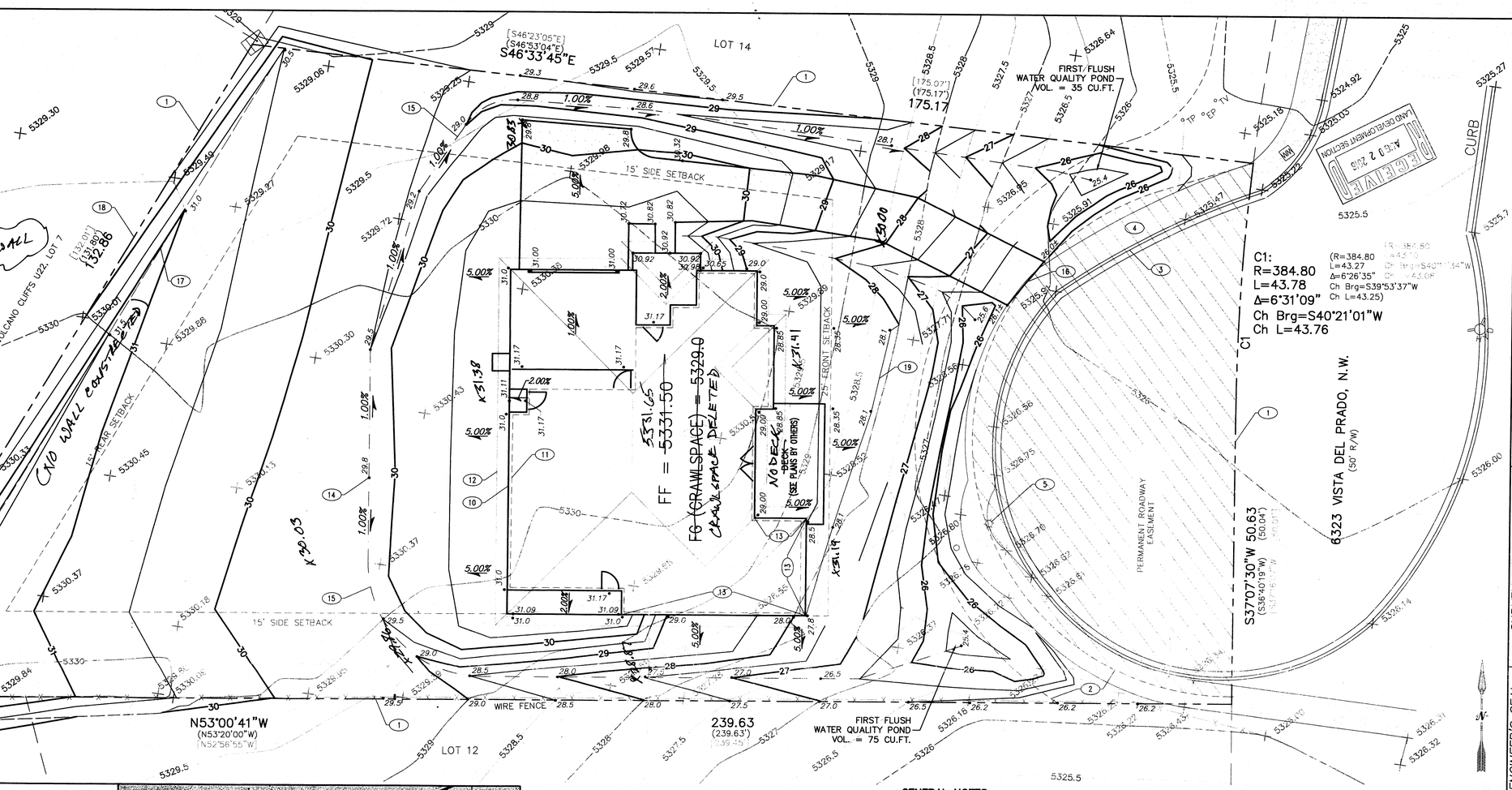
18. MATCH GRADES AT PROPERTY LINE (TYP.)
19. GRADE BREAK OF 5% SLOPE

DRAINAGE CERTIFICATION

I, SHELDON GREER, NMPE 17154, OF THE FIRM GND ENGINEERING, LLC, HEREBY CERTIFY THAT THIS PROJECT HAS BEEN GRADED AND WILL DRAIN IN SUBSTANTIAL COMPLIANCE WITH AND IN ACCORDANCE WITH THE DESIGN INTENT OF THE APPROVED PLAN DATED 11-20-15. THE RECORD INFORMATION EDITED ONTO THE ORIGINAL DESIGN DOCUMENT HAS BEEN OBTAINED BY THOMAS W. PATRICK, NMPS 12651, OF THE FIRM COMMUNITY SCIENCES CORPORATION. I FURTHER CERTIFY THAT I HAVE PERSONALLY VISITED THE PROJECT SITE ON 7-30-16 AND HAVE DETERMINED BY VISUAL INSPECTION THAT THE SURVEY DATA PROVIDED IS REPRESENTATIVE OF ACTUAL 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 ON THE GRADING AND DRAINAGE ASPECTS OF THIS PROJECT. THOSE RELYING ON THIS RECORD DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ITS ACCURACY BEFORE USING IT FOR ANY OTHER PURPOSE.



SHELDON GREER, NMPE 17154

8/5/16
DATE

PROJECT SITE

VICINITY MAP D-10-Z

FIRM MAP NO. 35001C0112G

HYDROLOGY

EXISTING CONDITIONS

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CUT:	210
FILL: COMPACTED	210
BALANCED	

LEGEND

- FLOW ARROW
- EL=11.28 — PROPOSED ELEVATION
- 43.00 — EXISTING ELEVATION
- 66 — PROPOSED CONTOUR
- 966 — EXISTING CONTOUR
- PROPERTY LINE
- 4.00% — PROPOSED GRADE

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10 0 10 20
SCALE 1" = 10' FEET

LEGAL DESCRIPTION

LOT 13, BLOCK 6
VOLCANO CLIFFS UNIT 19
CITY OF ALBUQUERQUE
BERNALILLO COUNTY, NEW MEXICO

DEVELOPMENT MANAGEMENT CONSULTANTS
PROFESSIONAL CONSTRUCTION MANAGERS & CONSULTING ENGINEERS
9320 Menaul Blvd. NE, ste. D
Albuquerque, NM 87112
DMC Office (505) 296-7100
Fax: (505) 296-7105
&
GND, LLC
CONSULTING ENGINEERS
11032 Dreamy Way Dr. NW
Albuquerque, NM 87114
Phone: (505)-264-0472
Email: segreer@swcp.com

AS BUILT INFORMATION

CONTRACTOR	DATE
WORK STAKED BY	
INSPECTOR'S ACCEPTANCE BY	DATE
FINAL VERIFICATION BY	DATE
DRAWINGS CORRECTED BY	DATE
RECORDED BY	DATE
No.	

MICRO-FILM INFORMATION

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
SHELDON E. GREER
NEW MEXICO
17154
LICENSED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY: SEG DATE: 11/20/15
DRAWN BY: SEG DATE: 11/20/15
CHECKED BY: SEG DATE: 11/20/15

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

6323 VISTA DEL PRADO, NW
LOT 13, BLOCK 6, VOLCANO CLIFFS UNIT 19
GRADING & DRAINAGE PLAN (CERTIFICATION)

LATEST DESIGN UPDATE	MONTH/DAY/YEAR	USER. DEPARTMENT

CITY PROJECT No.	ZONE MAP No.	SHEET
	D-10-Z	1 OF 1