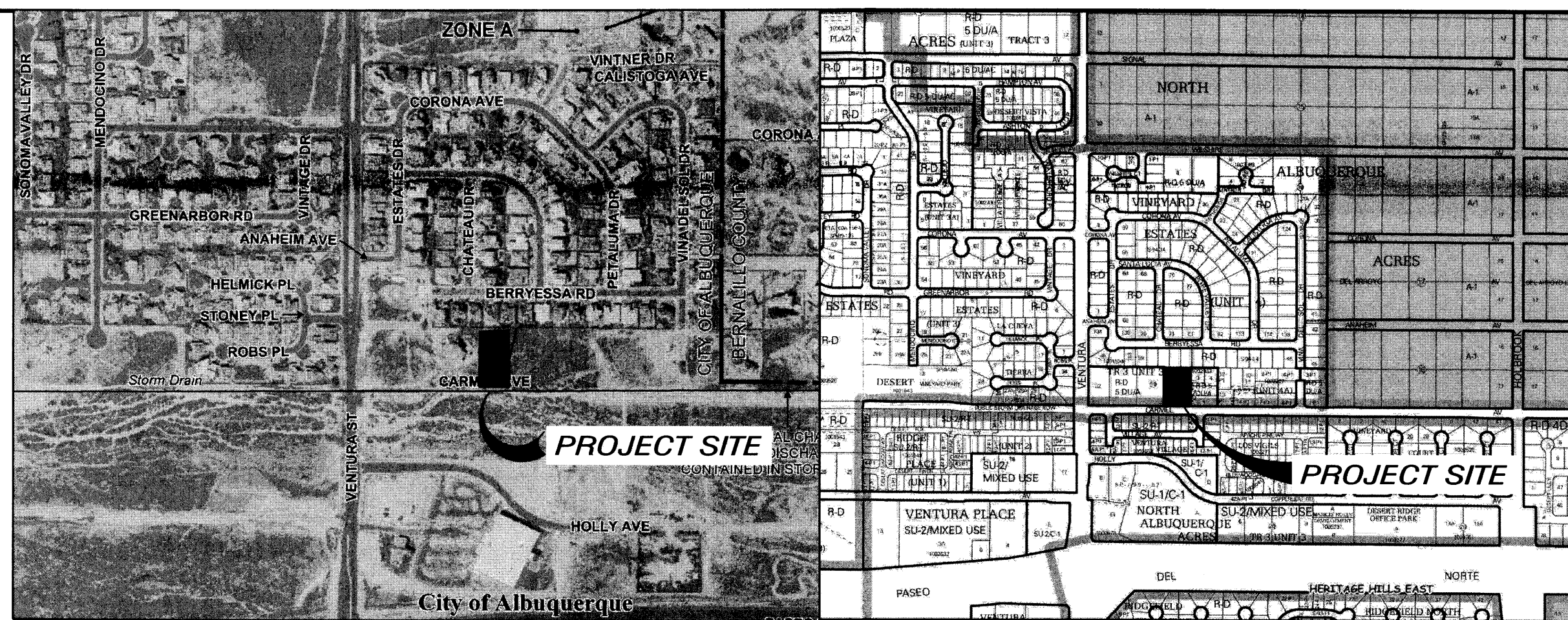
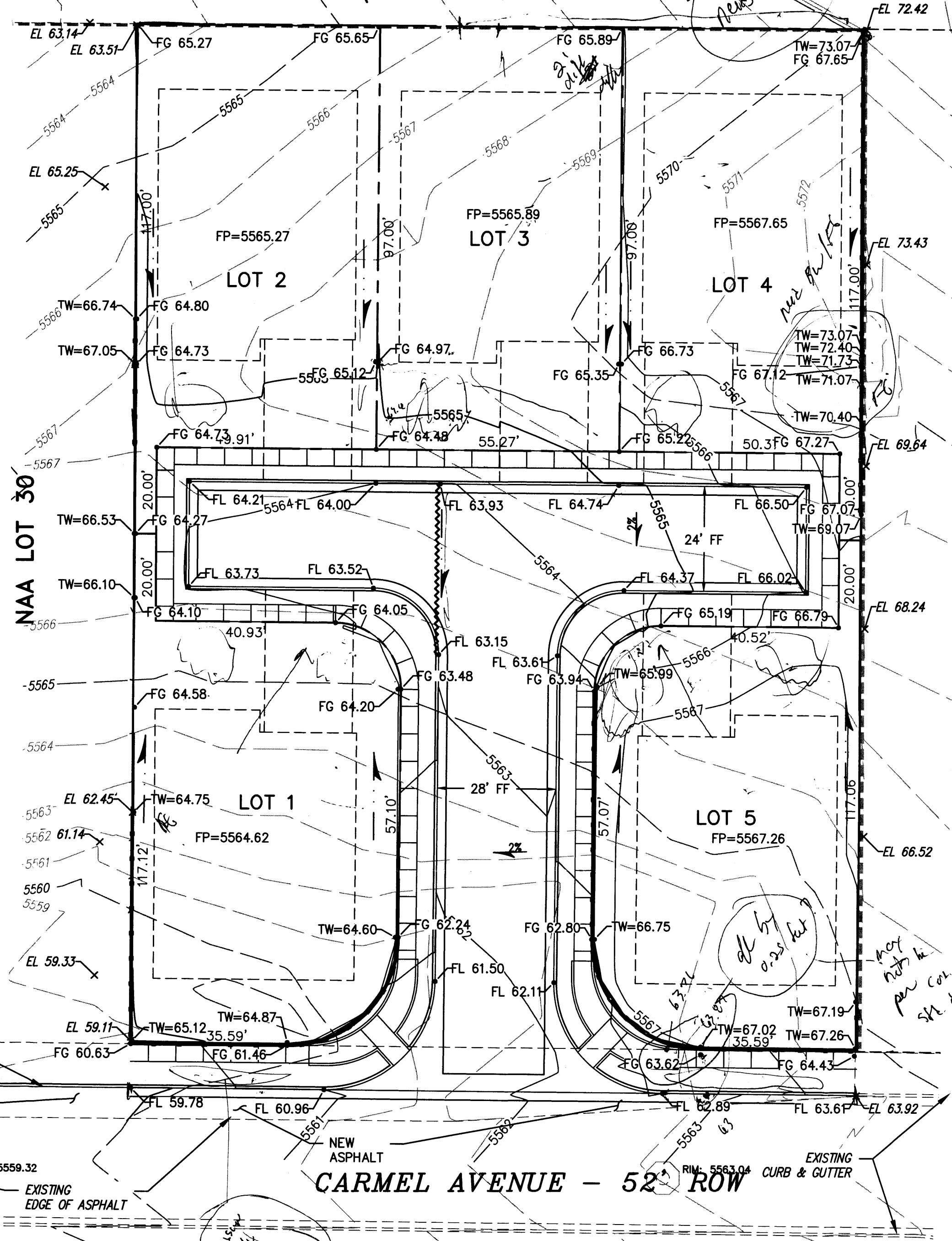


VINEYARD ESTATES V  
(4-21-03; 2003C-109)



FIRM MAP NO. 35001C0141G

VICINITY MAP C-20-Z

DRAINAGE INFORMATION

LOCATION & DESCRIPTION

THE PROPOSED SITE IS 0.88 ACRES LOCATED ON THE NORTH SIDE OF CARMEL AVENUE EAST OF VENTURA BLVD. AS SEEN ON THE VICINITY MAP. THE SITE IS CURRENTLY UNDEVELOPED WITH A TYPICAL DEVELOPED ONE ACRE NORTH ALBUQUERQUE ACRES LOT TO THE WEST AND HIGHER DENSITY WALLED COMMUNITIES TO THE EAST AND NORTH. THE PROPOSED DEVELOPMENT WILL BE FIVE (5) SINGLE FAMILY RESIDENTIAL LOTS ON A CUL-DE-SAC.

FLOODPLAIN STATUS

THIS PROJECT, AS SHOWN ON FEMA'S FLOOD INSURANCE RATE MAP 35001C0141 G, DATED APRIL 2, 2002 IS NOT WITHIN A DESIGNATED 100-YEAR FLOODPLAIN. AN EXHIBIT WITH THE SITE SHOWN ON THE FIRM PANEL IS INCLUDED ON THIS SHEET.

METHODOLOGY

THE HYDROLOGY FOR THIS PROJECT WAS ANALYZED USING AHYMO SOFTWARE.

PRECIPITATION

THE 100-YR 6-HR DURATION STORM WAS USED AS THE DESIGN STORM FOR THIS ANALYSIS. THIS SITE IS WITHIN ZONE 3 AS IDENTIFIED IN THE CITY OF ALBUQUERQUE DEVELOPMENT PROCESS MANUAL, SECTION 22.2.

EXISTING DRAINAGE

THERE ARE NO OFF SITE FLOWS ENTERING THE SITE. THE SOUTH HALF OF CARMEL AVE. HAS BEEN CONSTRUCTED ADJACENT TO THIS PROPERTY AND A FULL STREET SECTION IS EXISTING EAST OF THE SITE. CARMEL AVE. CONVEYS FLOW TO AN EXISTING DROP INLET LOCATED PRIOR TO THE INTERSECTION OF VENTURA B.V.D.

DEVELOPED CONDITION

THIS SITE WILL BE DEVELOPED WITH A SINGLE STREET INTERCEPTING ALL OF THE SITE RUNOFF. THE RUNOFF WILL FREE DISCHARGE INTO CARMEL AVENUE. CARMEL AVENUE WILL CONVEY FLOW ALONG THE CURB TO A EXISTING INLET IN CARMEL AVE. (COA PROJ. #705284) PER C200069 DRAINAGE PLAN. THE FLOW TO THE INLET IS CURRENTLY 23.66 CFS. THE 1.03 CFS INCREASE OF FLOW, FOR THE 100-YEAR PEAK RUNOFF, DUE TO THIS DEVELOPMENT IS INSIGNIFICANT AND WILL HAVE MINIMAL IMPACT ON DOWNSTREAM FACILITIES WITH A TOTAL FLOW OF 24.69 CFS.

HYDROLOGIC DATA - EXISTING

BASINS	AREA (acres)	LAND TREATMENT PERCENTAGES BY TYPE				YIELD (cfs/ac)	Q <sub>100</sub> (cfs)	V <sub>100-24</sub> (acft)
		A	B	C	D			
A	0.88	0	80	20	50	3.26	2.87	0.089

HYDROLOGIC DATA - PROPOSED

BASINS	AREA (acres)	LAND TREATMENT PERCENTAGES BY TYPE				YIELD (cfs/ac)	Q <sub>100</sub> (cfs)	V <sub>100-24</sub> (acft)
		A	B	C	D			
A	0.88	0	10	20	70	4.41	3.90	0.147

LEGAL DESCRIPTION  
CARMEL RIDGE SUBDIVISION  
(BEING A REPLAT OF LOT 29, BLOCK 3, UNIT 3, TRACT 2)  
WITHIN NORTH ALBUQUERQUE ACRES  
IN PROJECTED SECTION 17, TOWNSHIP 11 NORTH, RANGE 4 EAST  
ELENA GALLEGOS LAND GRANT NEW MEXICO PRINCIPAL MERIDIAN  
CITY OF ALBUQUERQUE BERNALILLO COUNTY, NEW MEXICO

REQUIRED FIRST FLUSH VOLUME

LOT DRAINAGE AS DEPICTED ON THIS PLAN SHALL BE MAINTAINED.

LOT DEPICTED HEREON SHALL BE RESPONSIBLE FOR MAINTAINING FIRST FLUSH 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 = 2734 SQ.FT.

REQUIRED VOLUME = 2734 \* (0.44-0.10)/12 = 78 CU.FT.  
VOLUME PROVIDED = 83 CU.FT.

LEGEND

- FLOW ARROW
- SLOPE ARROW
- PROPOSED ELEVATION
- EXISTING ELEVATION
- GRADE BREAK
- EXISTING CONTOUR
- EXISTING CONTOUR
- PROPOSED EASEMENT
- PROPOSED GRADE
- EXISTING WALL
- PROPOSED WALL

RECEIVED  
DEC 16 2016  
LAND DEVELOPMENT SECTION

THE Group

300 Branding Iron Rd. SE  
Rio Rancho, New Mexico 87124  
Phone: (505) 514-0995

CITY OF ALBUQUERQUE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING DEVELOPMENT GROUP

CARMEL RIDGE SUBDIVISION  
BEING A REPLAT OF LOT 29, BLOCK 3, UNIT 3, TRACT 2, NAA  
GRADING & DRAINAGE PLAN

DESIGN REVIEW COMMITTEE CITY ENGINEER APPROVAL

Mo./DAY/YR.	Mo./DAY/YR.

CITY PROJECT No. ZONE MAP No. C-20-Z

SHEET 1 OF 1

When showing our grading permit  
please address the following  
Comments:  
- Mmm for P.P.  
- Comments & grading

FOR E. HENSLEY  
NEW MEXICO  
REGISTERED PROFESSIONAL ENGINEER  
12/15/16

NO.	DATE	REVISIONS	DESIGN

DESIGNED BY REH	DATE DEC. 2016
DRAWN BY REH	DATE DEC. 2016
CHECKED BY REH	DATE DEC. 2016



