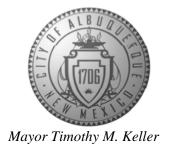
### CITY OF ALBUQUERQUE

Planning Department Brennon Williams, Director



September 9, 2019

Scott Eddings, PE Huitt-Zollers Inc. 6561 Americas Parkway NE Albuquerque, NM 87110

RE: Ceja Vista Apartment Complex Phase II

9902 Ceja Vista Rd SW Grading and Drainage Plan Engineer's Stamp Date: 08/05/19 Hydrology File: P09D002G

Dear Mr. Eddings:

PO Box 1293

Based upon the information provided in your submittal received 08/09/2019, the Grading & Drainage Plan is not approved for action by the DRB on Preliminary Plat and Site Plan for Building Permit. The following comments need to be addressed for approval of the above referenced project:

Albuquerque

NM 87103

1. Since this project is adjacent to, or drains into an Albuquerque Metropolitan Arroyo and Flood Control Authority (AMAFCA) facility, approval by AMAFCA will be need prior to Hydrology approval. Please contact Nicole Friedt P.E, CFM (nfriedt@amafca.org or 505-884-2215).

www.cabq.gov

2. Only an administration fee of \$40 will be required at the time of resubmittal.

If you have any questions, please contact me at 924-3995 or rbrissette@cabq.gov.

Sincerely,

Renée C. Brissette, P.E. CFM Senior Engineer, Hydrology

Renée C. Brissette

Planning Department

#### DRAINAGE PLAN:

DEVELOPED DRAINAGE CONDITIONS:

FIRST FLUSH VOLUME = 5.4 ACRES (0.34") = 6665 CF

LEGAL DESCRIPTION: TRACT RR3A1 PLAT FOR WESTLAND SOUTH SITE AREA: 5.4 ACRES

FLOOD HAZARD STATEMENT: F.E.M.A. FIRM MAP DATED AUGUST 16, 2012 (MAP NUMBER 35001C0338H) INDICATES THAT THE SITE IS AN AREA OF MINIMAL FLOOD HAZARD (ZONE X).

EXISTING DRAINAGE CONDITIONS:

THE SITE HAS NOT BEEN PREVIOUSLY DEVELOPED. THE EXISTING LAND SLOPES FROM WEST TO EAST AT APPROXIMATELY 3%. THE ATRISCO HERITAGE ACADEMY HIGH SCHOOL TO THE WEST OF THE SITE IS ALLOWED TO DISCHARGE ONTO THIS SITE UNTIL A STORM DRAIN CONNECTION OUTFALL IS BUILT. IN THE MEANTIME, THE EXISTING TEMPORARY RETENTION POND #1 WAS BUILT TO MITIGATE THE OFFSITE FLOW FROM THE HIGH SCHOOL SITE.

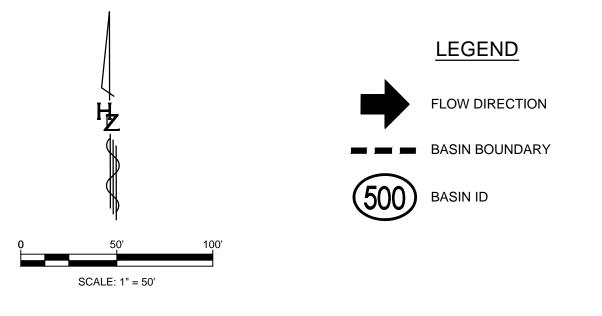
THIS DRAINAGE PLAN REFERENCES THE "VALLE DE ATRISCO APARTMENT DEVELOPMENT DRAINAGE MANAGEMENT PLAN" BY MARK GOODWIN & ASSOCIATES, DATED SEPTEMBER 2018. THE DRAINAGE MANAGEMENT PLAN COMPLETED HYDROLOGIC AND HYDRAULIC ANALYSIS FOR THIS SITE AND THE ADJACENT CONNECTING SITE TO THE EAST. DEVELOPED FLOWRATES FOR THIS SITE ARE OBTAINED DIRECTLY FROM THE DRAINAGE MANAGEMENT PLAN. IN ADDITION, THE STORM DRAIN SYSTEM DESIGN FOR THIS SITE HAS BEEN DESIGNED WITH THE DRAINAGE MANAGEMENT PLAN.

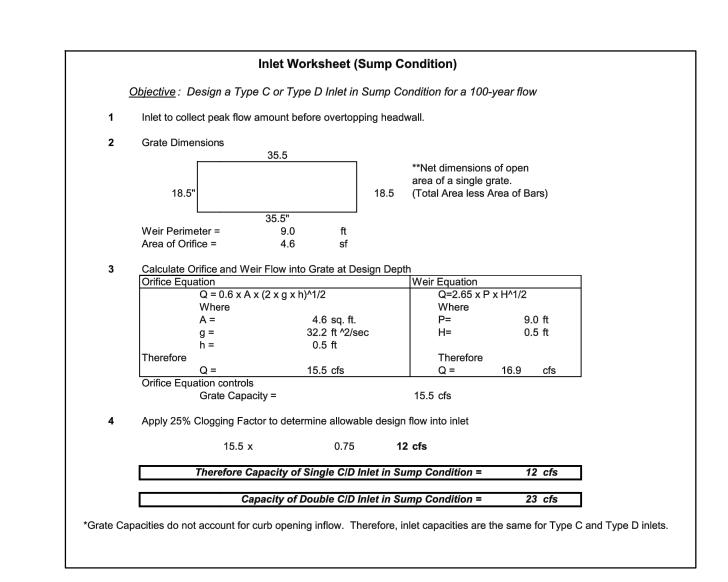
THE DRAINAGE ANALYSIS FOR THIS SITE IS IN ACCORDANCE WITH THE HYDROLOGIC AND HYDRAULIC CRITERIA IN SECTION 22 OF THE CITY OF ALBUQUERQUE DEVELOPMENT PROCESS MANUAL. THE 100-YEAR DESIGN STORM IS USED FOR BOTH UNDEVELOPED AND DEVELOPED CONDITIONS.

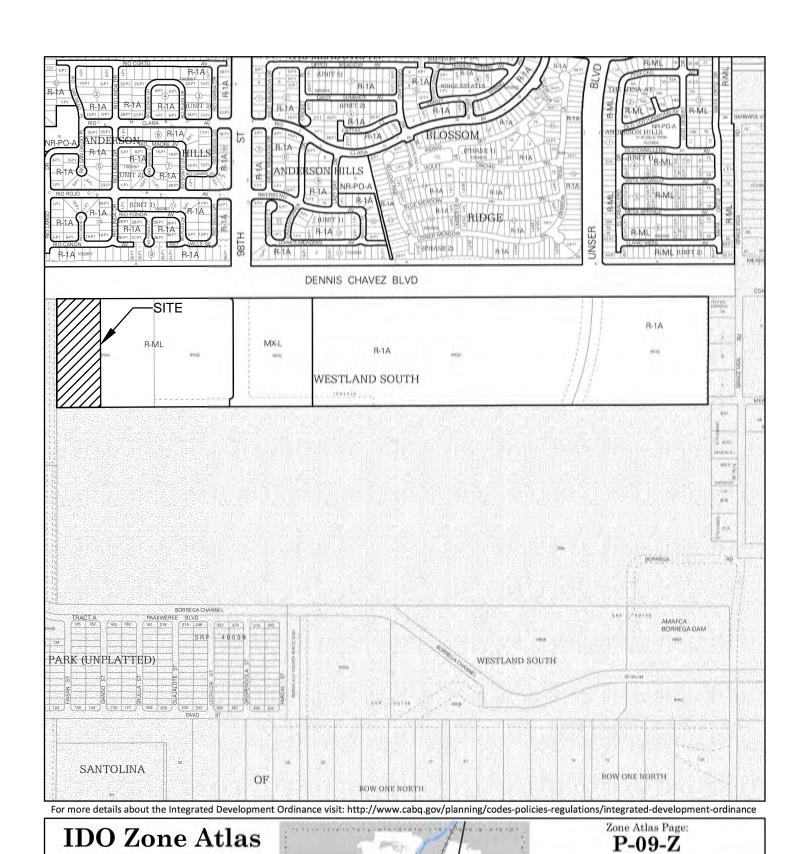
THIS SITE (PHASE II) AND THE ADJACENT CONNECTING SITE TO THE EAST (PHASE I) WILL BE DEVELOPED INTO AN APARTMENT COMPLEX. AS DETERMINED BY THE DRAINAGE MANAGEMENT PLAN, THIS SITE WILL ACCEPT 25 CFS OF OFFSITE FLOW FROM THE HIGH SCHOOL SITE VIA AN ONSITE STORM DRAIN SYSTEM AND PHASE II WILL DISCHARGE ONSITE DEVELOPED FLOW INTO THE STORM DRAIN WHICH CONNECTS TO PHASE I.

THIS VOLUME WILL BE PROVIDED BY OFFSITE OUTFALL POND BUILT WITH THE "VALLE DE ATRISCO APARTMENT DEVELOPMENT DRAINAGE MANAGEMENT PLAN".

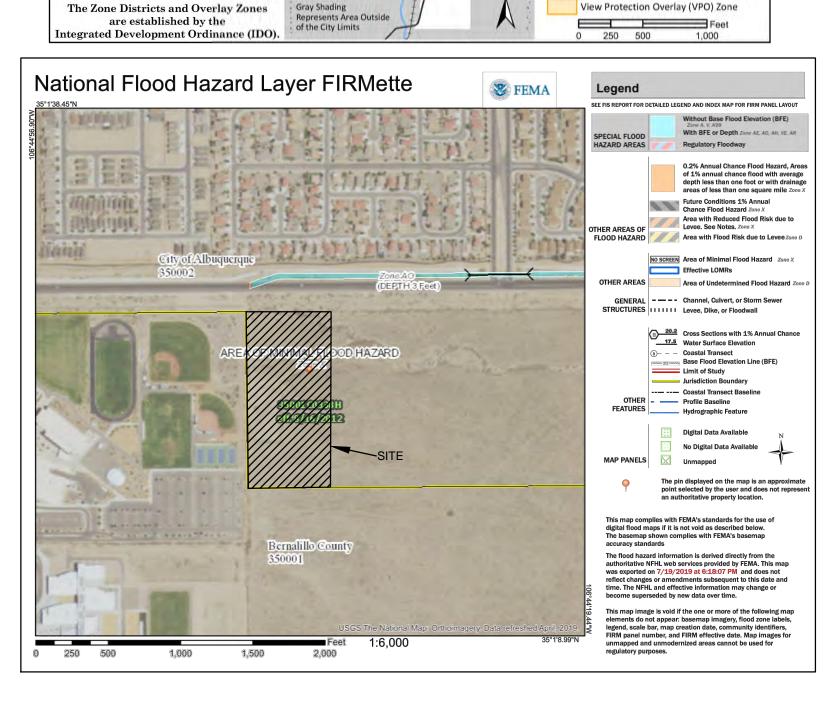
CEJA VISTA APARTMENT COMPLEX PHASE II				
BASIN SUMMARY				
BASIN ID	DESCRIPTION OF FLOW DIRECTION	ALLOWABLE Q (CFS)	ACTUAL Q (CFS)	
OFFSITE WEST	Allowable discharge from high school site enters onsite	25.00	25.00	
	storm drain system at SDMH#2			
100	Onsite basin surface flows east toward Phase I	1.85	1.57	
500	Onsite basins surface flow east and are intercepted by drainage inlets into the onsite storm drain system and flows toward SDMH #4	2.55	2.01	
501		6.20	6.37	
502		6.96	7.23	
503		3.76	4.17	
	TOTAL Q AT SDMH #4 =	44.47	44.77	







May 2018



# HUITT-ZOLIARS

333 Rio Rancho Drive NE, Ste. 101 Rio Rancho, NM 87124 505-892-5141 www.huitt-zollars.com



PROJECT

Petroglyph National Monument

Areas Outside of City Limits

Airport Protection Overlay (APO) Zone

Character Protection Overlay (CPO) Zone
Historic Protection Overlay (HPO) Zone

CEJA VISTA
10 001 CEJA VISTA ROAD SW
ALBUQUERQUE, NM 87121

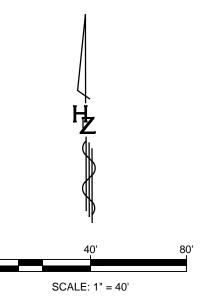
#### 100% DESIGN DEVELOPMENT

REVISIONS	
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DRAWN BY	N\
REVIEWED BY	SE
DATE	09/04/201
PROJECT NO	19-001
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Drainage Plan

T NO C 1 O





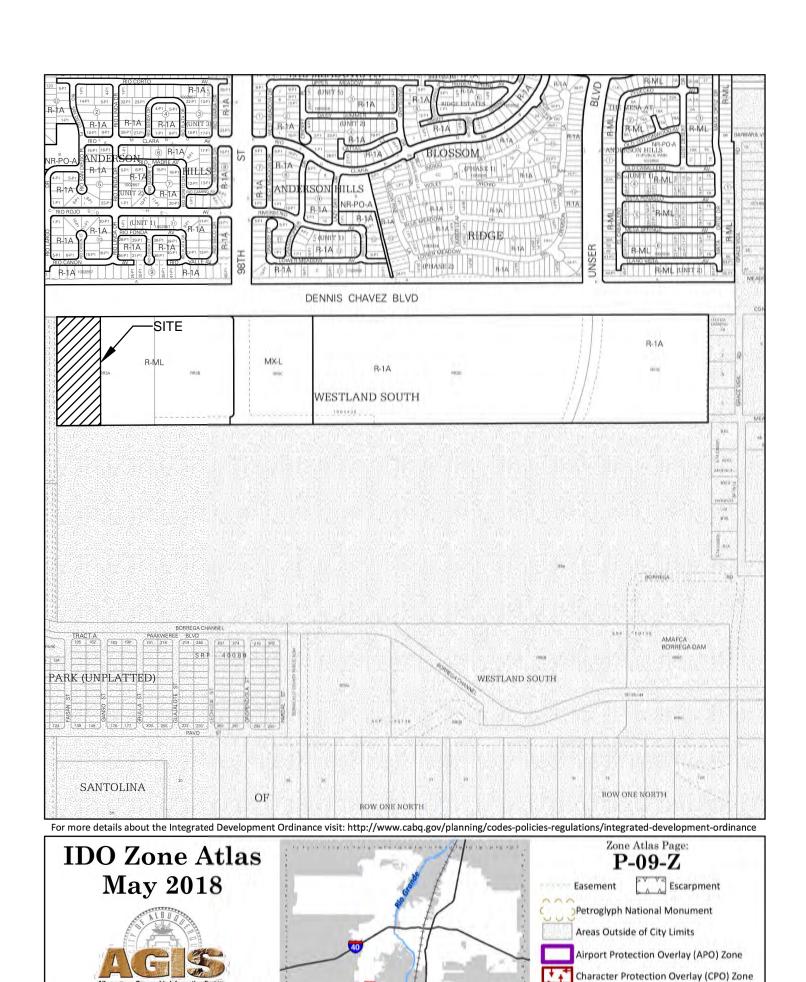
### LEGEND

DISCHARGE LOCATION

FLOW DIRECTION

HH + + + + + LIMITS OF DISTURBANCE

HIGH POINT



#### EROSION SEDIMENT CONTROL PLAN

GENERAL NOTES

SHALL BE SUBMITTED UNDER SEPARATE COVER

The Zone Districts and Overlay Zones

are established by the ntegrated Development Ordinance (IDO).

1. PRIOR TO ANY CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE LOCATION OF ALL POTENTIAL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER AS SOON AS POSSIBLE TO RESOLVE THE CONFLICT WITH A MINIMUM AMOUNT OF DELAY.

2. ALL WORK ON THIS PLAN SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS, RULES AND REGULATIONS CONCERNING CONSTRUCTION SAFETY AND HEALTH.

3. IF ANY UTILITY LINES, PIPELINES, OR UNDERGROUND UTILITY LINES ARE SHOWN ON THESE DRAWINGS, THEY ARE SHOWN IN AN APPROXIMATE LOCATION ONLY, AND LINES MAY EXIST WHERE NONE ARE SHOWN, THE LOCATION IS BASED UPON INFORMATION PROVIDED BY THE UTILITY OWNER OR FROM EXISTING PLANS, AND THIS INFORMATION MAY BE INCOMPLETE, OR OBSOLETE AT THE TIME OF CONSTRUCTION. THE ENGINEER HAS NOT UNDERTAKEN ANY FIELD VERIFICATION OF THESE LOCATIONS, LINE SIZES OR MATERIAL TYPE, MAKES NO REPRESENTATION THERETO, AND ASSUMES NO RESPONSIBILITY OR LIABILITY THEREFORE. THE CONTRACTOR SHALL INFORM ITSELF OF THE LOCATION OF ANY UTILITY LINE, PIPELINE OR UNDERGROUND INSTALLATION IN OR NEAR THE AREA IN ADVANCE OF AND DURING ANY EXCAVATION WORK. THE CONTRACTOR IS FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES CAUSED BY ITS FAILURE TO LOCATE, IDENTIFY AND PRESERVE ANY AND ALL EXISTING UTILITIES, PIPELINES AND UNDERGROUND FACILITIES. IN PLANNING AND CONDUCTING EXCAVATIONS, THE CONTRACTOR SHALL COMPLY WITH ALL STATE STATUTES, MUNICIPAL AND LOCAL

4. THE CONTRACTOR SHALL INSURE THAT NO SOIL ERODES FROM THE SITE INTO PUBLIC RIGHT-OF-WAY OR ONTO PRIVATE PROPERTY. THIS CAN BE ACHIEVED BY CONSTRUCTING TEMPORARY BERMS AND BY WETTING THE SOIL TO KEEP IT FROM BLOWING.

ORDINANCES, RULES AND REGULATIONS, IF ANY, PERTAINING TO THE LOCATION OF THESE LINES AND FACILITIES.

5. THE CONTRACTOR SHALL OBTAIN ANY AND ALL PERMITS REQUIRED BY CITY OF ALBUQUERQUE FOR THE COMPLETION OF THE WORK PRIOR TO BEGINNING CONSTRUCTION.

## HUITT-ZOLIARS

333 Rio Rancho Drive NE, Ste. 101 Rio Rancho, NM 87124 505-892-5141 www.huitt-zollars.com



PROJECT

View Protection Overlay (VPO) Zone

CEJA VISTA 10 001 CEJA VISTA ROAD SW ALBUQUERQUE, NM 87121

### 100% DESIGN DEVELOPMENT

REVISIONS

A

A

A

DRAWN BY

 DRAWN BY
 NV

 REVIEWED BY
 SE

 DATE
 09/04/2019

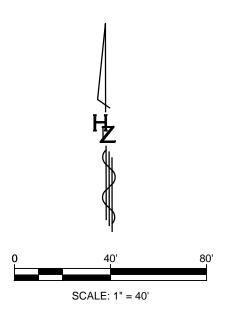
 PROJECT NO
 19-0019

DRAWING NAME

Grading Plan

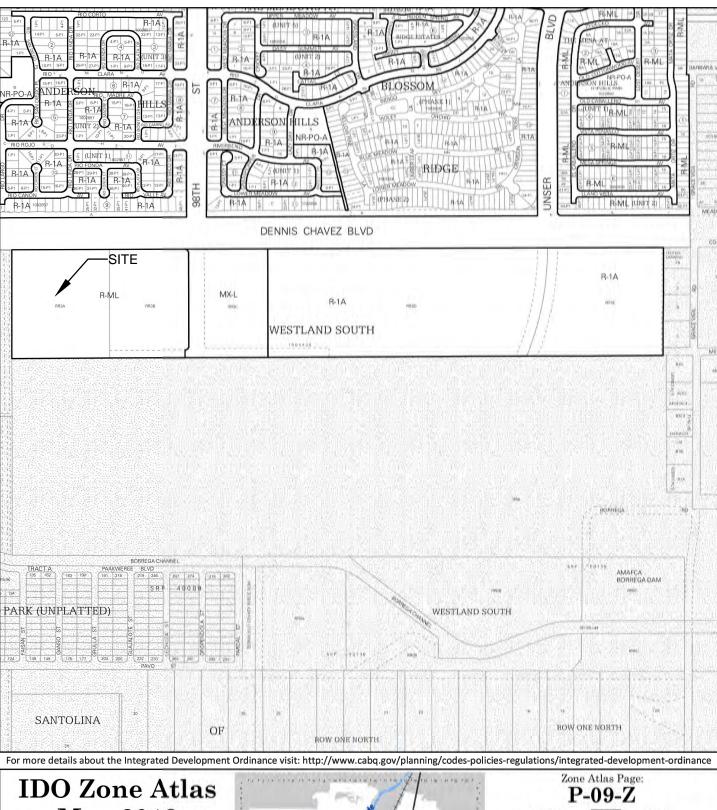
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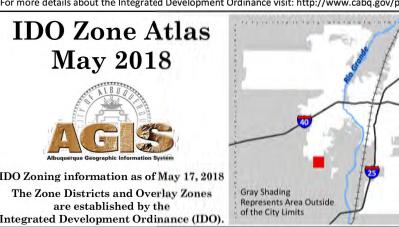




## KEYED NOTES

- $\langle A \rangle$  INSTALL 8" C-900 CL 150 PVC WATER LINE
- $\langle B \rangle$  INSTALL 1-8" x 90° DI (MJ) BEND W/RESTRAINTS
- (C) INSTALL 8" SDR-35 PVC SEWER LINE
- INSTALL 1 8" SANITARY SEWER WYE WITH SINGLE CLEANOUT
- (E) INSTALL 4' SAS MANHOLE PER NMAPWA STD. DWG. 2101
- $\langle F \rangle$  INSTALL 1 12" x 6" HDPE TEE WITH SINGLE CLEANOUT
- INSTALL 4' SD MANHOLE PER NMAPWA STD. DWG. 2101
- INSTALL TRIPLE GRATE TYPE C STORM INLET PER NMAPWA STD. DWG. 2205
- (J) INSTALL DOUBLE GRATE TYPE D STORM INLET PER NMAPWA STD. DWG. 2206
- K INSTALL 2' WIDE CURB OPENING





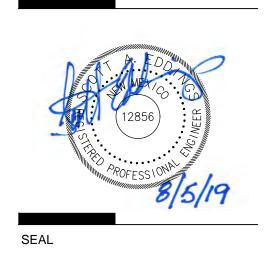
Petroglyph National Monument Areas Outside of City Limits Airport Protection Overlay (APO) Zone View Protection Overlay (VPO) Zone

GENERAL NOTES

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PROJECT

100% DESIGN DEVELOPMENT

REVISIONS REVIEWED BY 09/04/2019 DATE

PROJECT NO DRAWING NAME **Utility Plan** 

19-0019