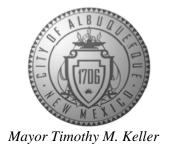
CITY OF ALBUQUERQUE

Planning Department Brennon Williams, Director



October 23, 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: 10/10/19 Hydrology File: P09D002G

Dear Mr. Eddings:

PO Box 1293 Based upon the information provided in your resubmittal received 10/22/2019, the Grading &

Drainage Plan is approved for action by the DRB on Site Plan for Building Permit.

Albuquerque As a reminder, if the project total area of disturbance (including the staging area and any work

within the adjacent Right-of-Way) is 1 acre or more, then an Erosion and Sediment Control (ESC) Plan and Owner's certified Notice of Intent (NOI) is required to be submitted to the

Stormwater Quality Engineer (Dough Hughes, PE, jhughes@cabq.gov, 924-3420) 14 days prior

to any earth disturbance.

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

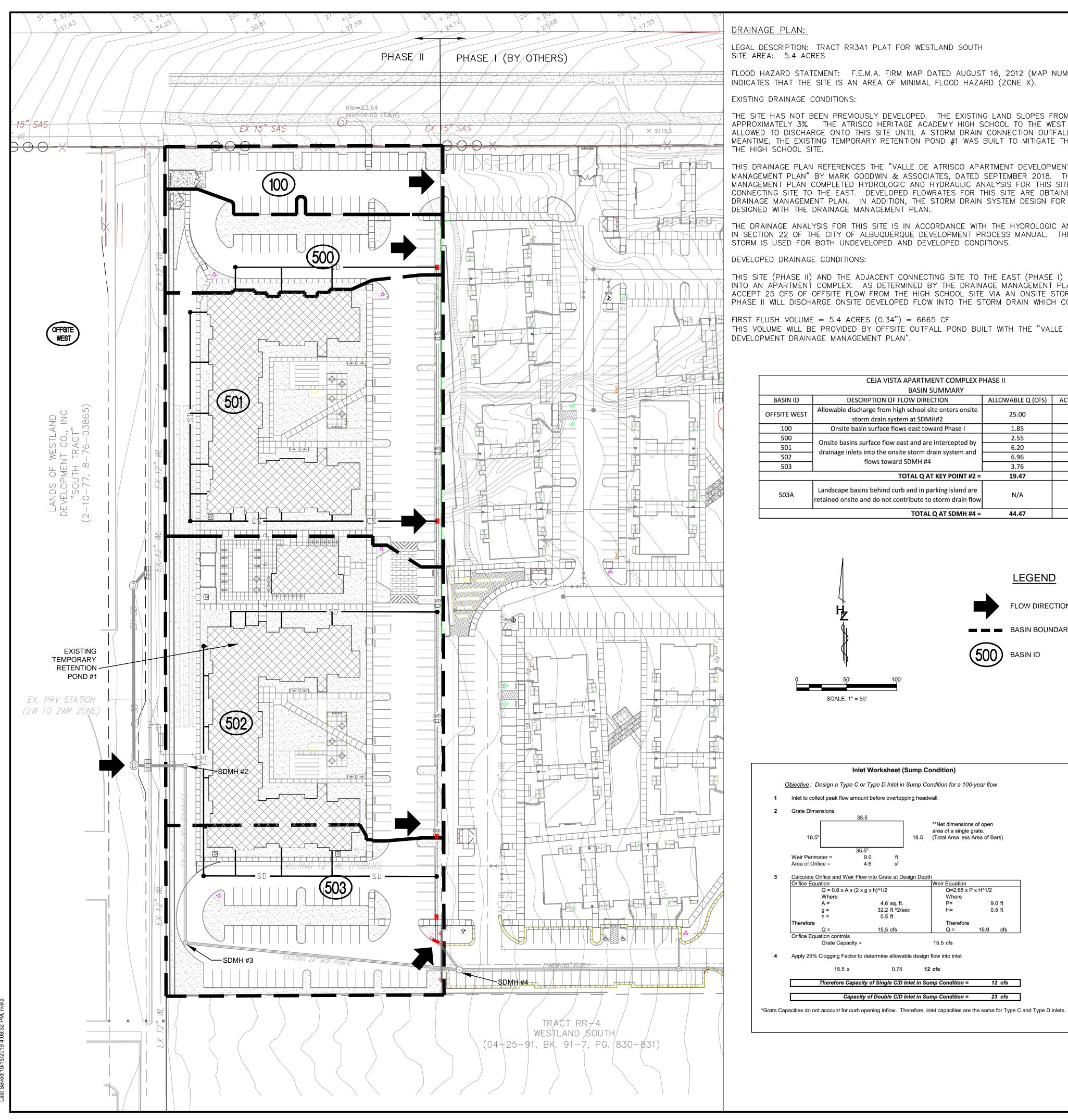
Sincerely,

NM 87103

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

Renée C. Brissette

Planning Department



LEGAL DESCRIPTION: TRACT RR3A1 PLAT FOR WESTLAND SOUTH

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.

DEVELOPED DRAINAGE 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.

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

SCALE: 1" = 50'

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

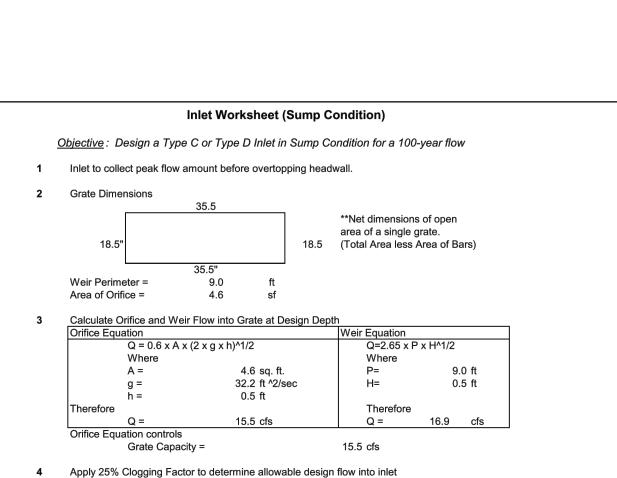
CEJA VISTA APARTMENT COMPLEX PHASE II			
BASIN SUMMARY			
BASIN ID	DESCRIPTION OF FLOW DIRECTION	ALLOWABLE Q (CFS)	ACTUAL Q (CFS)
OFFSITE WEST	Allowable discharge from high school site enters onsite storm drain system at SDMH#2	25.00	25.00
100	Onsite basin surface flows east toward Phase I	1.85	1.57
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	3.54
TOTAL Q AT KEY POINT #2 =		19.47	19.15
503A	Landscape basins behind curb and in parking island are retained onsite and do not contribute to storm drain flow	N/A	0.63
TOTAL Q AT SDMH #4 =		44.47	44.15

LEGEND

FLOW DIRECTION

BASIN BOUNDARY

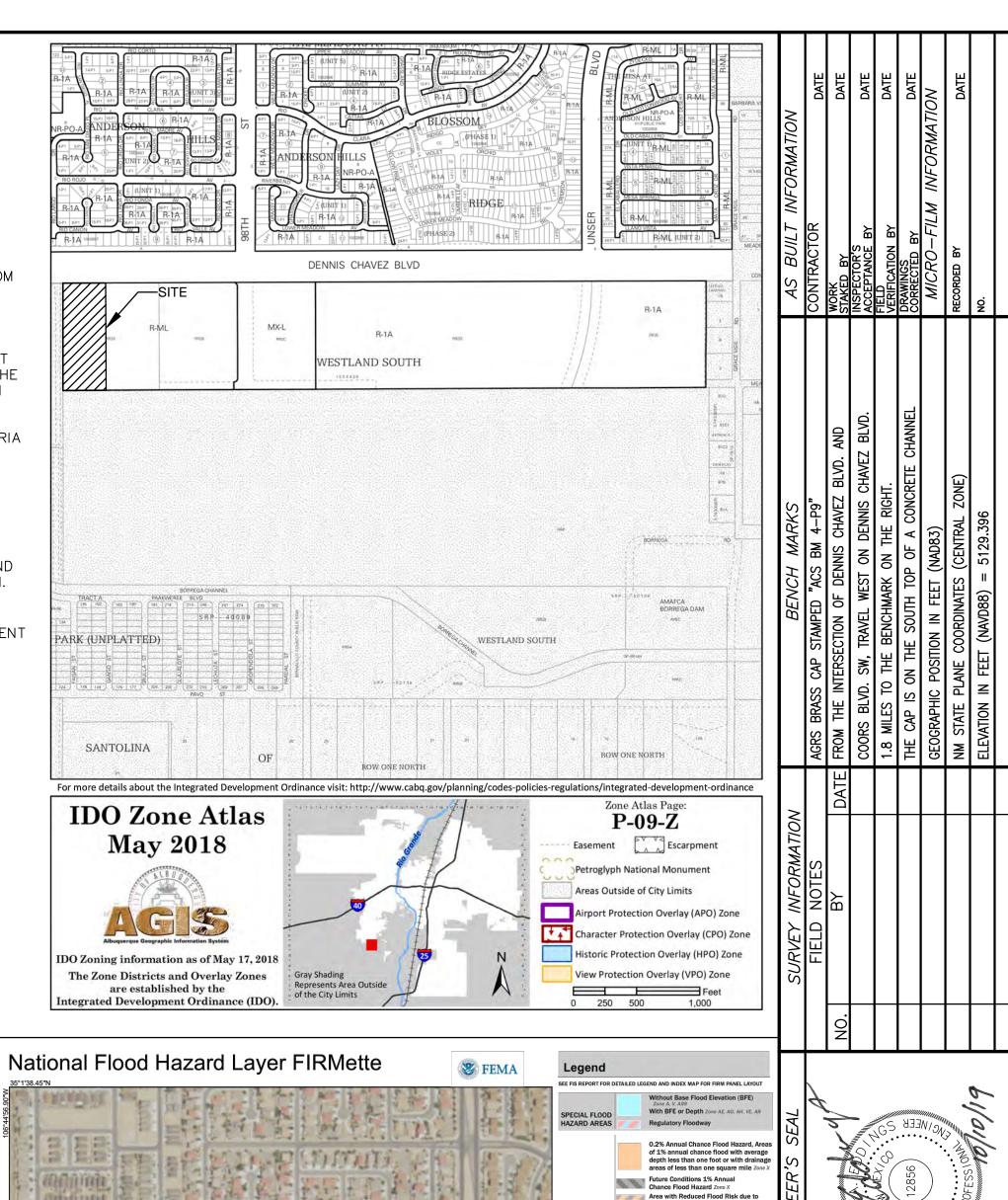
500 BASIN ID

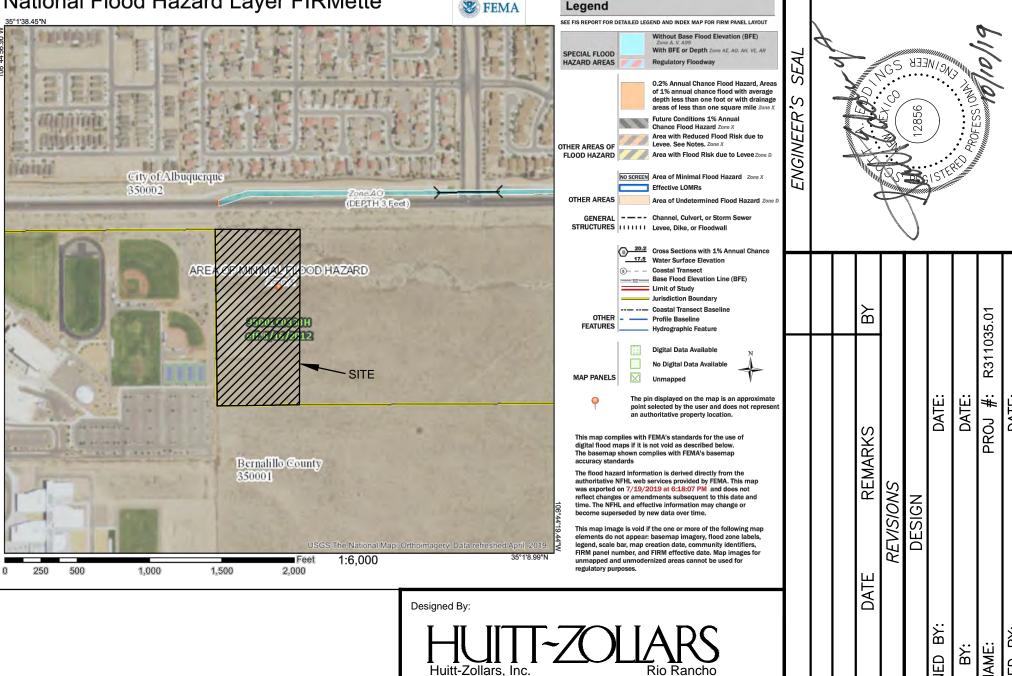


0.75 **12 cfs**

Therefore Capacity of Single C/D Inlet in Sump Condition = 12 cfs

Capacity of Double CID Inlet in Sump Condition = 23 cfs





333 Rio Rancho Dr. NE, Suite 101

Rio Rancho, New Mexico 87124 Phone (505) 892-5141 Fax (505) 892-3259

DBG PROPERTIES, LLC CEJA VISTA APARTMENT COMPLEX PHASE II DRAINAGE PLAN

Design Review Committee City Engineer City Project No. Zone Map No. SDP 3.1 P-09-Z

