



FIRM MAP NO. 35001C0331H

VICINITY MAP J-13-Z

DRAINAGE INFORMATION

LOCATION & DESCRIPTION
THE PROPOSED SITE IS A DEVELOPED TRACT ON CENTRAL AVE, THAT HAS BEEN PREVIOUSLY GRADED AS A SIGNIFICANT PARKING AREA.

FLOODPLAIN STATUS
THIS PROJECT, AS SHOWN ON FEMA'S FLOOD INSURANCE RATE MAP 35001C0331H, DATED AUGUST 16, 2012 IS NOT WITHIN A DESIGNATED 100-YEAR FLOODPLAIN.

EXISTING DRAINAGE
THE SITE DRAINS WITH FREE DISCHARGE TO WILLIS PLACE. PER DPM PART 6-5(C) THE DISCHARGE FROM THE SITE IS LIMITED TO 2.75 CFS/ACRE OR THE SITE MUST RETAIN THE FIRST 1/2 INCH OF RUNOFF.

DEVELOPED CONDITION
THE SITE WILL BE IMPROVED WITH 114 ROOM HOTEL. THE SITE RUNOFF WILL BE ROUTED TO THE POND DEPICTED TO RETAIN 48% OF THE TOTAL RUNOFF. THE OVERFLOW DISCHARGE TO WILLIS PLACE FROM THE POND WILL HAVE A PEAK FLOW OF 4.56 CFS OR 4.15 CFS/AC.

METHODOLOGY
THE HYDROLOGY FOR THIS PROJECT WAS ANALYZED USING THE WEIGHTED E METHOD.

PRECIPITATION
THE 100-YR 6-HR DURATION STORM WAS USED AS THE DESIGN STORM FOR THIS ANALYSIS. THIS SITE IS WITHIN ZONE 2 AS IDENTIFIED IN THE CITY OF ALBUQUERQUE DEVELOPMENT PROCESS MANUAL, CHAPTER 6.

EQUATIONS:
WEIGHTED E = $E_a \cdot A_a + E_b \cdot A_b + E_c \cdot A_c + E_d \cdot A_d$ / (Total Area)
FLOW = $Q_a \cdot A_a + Q_b \cdot A_b + Q_c \cdot A_c + Q_d \cdot A_d$

BASIN	AREA (sf)	TREATMENT A %	TREATMENT B %	TREATMENT C %	TREATMENT D %	WEIGHTED E	VOLUME (cu.-ft.)	FLOW (cfs)	CFS/AC		
EXISTING	47916	0%	0%	40%	19166	60%	28750	1.8100	7227	4.21	3.82
PROPOSED	47916	0%	0%	15%	7187	85%	40729	2.1350	8525	4.56	4.15

REQUIRED WATER QUALITY VOLUME

SITE DRAINAGE AS DEPICTED ON THIS PLAN SHALL BE MAINTAINED.

SITE DEPICTED HEREON SHALL BE RESPONSIBLE FOR MAINTAINING WATER QUALITY RUNOFF RETENTION ON THE SITE IMMEDIATELY PRIOR TO DISCHARGE. THE VOLUME SHALL BE EQUAL TO:
IMPERVIOUS AREA * 0.42/12 IN CUBIC FEET.

IMPERVIOUS AREA = 40,729 SQ.FT.
REQUIRED VOLUME = 40729 * 0.42/12 = 1,425 CU.FT.
VOLUME PROVIDED = 4,071 CU.FT.



GENERAL NOTES

- 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.
- ANY 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.
- THE DRAINAGE INFRASTRUCTURE SHOWN ON THIS PLAN IS THE RESPONSIBILITY OF THE PROPERTY OWNER.
- ALL DISTURBED AREAS OUTSIDE THE BUILDING PAD MUST BE RESEEDED OR LANDSCAPED.
- TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE, (260-1990) FOR LOCATION OF EXISTING UTILITIES.
- 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.

CONSTRUCTION NOTES

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 THEREFOR. 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 AND CONDUCTING EXCAVATION, WHETHER BY CALLING OR NOTIFYING THE UTILITIES, COMPLYING WITH "BLUE STAKES" PROCEDURES, OR OTHERWISE.

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

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 THE GROUP. IN THE EVENT OF UNAUTHORIZED USE, THE USER ASSUMES ALL RESPONSIBILITY AND LIABILITY WHICH RESULTS.

EROSION CONTROL NOTES

- CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TOPSOIL DISTURBANCE PERMIT PRIOR TO BEGINNING WORK.
- CONTRACTOR IS RESPONSIBLE FOR MAINTAINING RUN-OFF ON SITE DURING CONSTRUCTION.
- CONTRACTOR IS RESPONSIBLE FOR CLEANING ALL SEDIMENT THAT GETS INTO EXISTING RIGHT-OF-WAY.
- REPAIR OF DAMAGED FACILITIES AND CLEANUP OF SEDIMENT ACCUMULATIONS ON ADJACENT PROPERTIES AND IN PUBLIC FACILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR.
- ALL EXPOSED EARTH SURFACES MUST BE PROTECTED FROM WIND AND WATER EROSION PRIOR TO FINAL (CITY) ACCEPTANCE OF ANY PROJECT.

LEGEND

- SLOPE/FLOW ARROW
- EL=11.28 PROPOSED ELEVATION
- 66.33 EXISTING ELEVATION
- GRADE BREAK
- 5000 EXISTING CONTOUR
- 5000 EXISTING CONTOUR
- PROPOSED EASEMENT
- EXISTING WALL
- PROPOSED WALL

POND SIDES SHALL BE 4-6" COBBLES PLACED 12" DEEP OVER FILTER FABRIC BOTTOM SHALL BE SEEDDED.

3:1 MAX TOP (WSEL) OF POND ELEV
3:1 MAX BOTTOM OF POND ELEV



PROJECT ADDRESS:
**2026 CENTRAL AVE. S.W.
ALBUQUERQUE, NM**

DRAWING NAME:
GRADING AND DRAINAGE PLAN

PROJECT NAME:
CAMBRIA HOTEL

PROJECT NUMBER:
-

PROJECT PROCESS:
PERMIT

DRAWN BY:
REH

CHECKED BY: / APPROVED BY:
REH / REH

DATE:
JULY 5, 23

SCALE:
AS NOTED

SHEET:
GD 1