

VICINITY MAP K-21-Z
LEGAL DESCRIPTION
 TRACT 3-A, COPPER POINT SUBDIVISION
 WITHIN IN PROJECTED SECTION 21, TOWNSHIP 10 NORTH, RANGE 4 EAST
 NEW MEXICO PRINCIPAL MERIDIAN CITY OF ALBUQUERQUE BERNALILLO COUNTY, NEW MEXICO

DRAINAGE INFORMATION
 LOCATION & DESCRIPTION

THE SITE IS 1.60 ACRES LOCATED ON THE SOUTH SIDE OF I-40 AT MORRIS AVE. WITHIN THE COPPER POINT COMMERCIAL DEVELOPMENT AS SEEN ON THE VICINITY MAP. THE SITE IS CURRENTLY UNDEVELOPED. THE ADJACENT PROPERTY TO THE WEST IS A DEVELOPED COMMERCIAL SITE. THE PROPERTIES TO THE SOUTH AND EAST ARE DEVELOPED AS RESIDENTIAL. THE SITE IS TO BE DEVELOPED AS A HOTEL SITE.

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.

METHODOLOGY

THE HYDROLOGY FOR THIS PROJECT WAS ANALYZED USING AHYMO SOFTWARE.

PRECIPITATION

THE 100-YR 24-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.

DRAINAGE & REPORTS

THE SITE IS WITHIN THE COPPER POINT GRADING AND DRAINAGE PLAN AREA. THE PREVIOUSLY APPROVED DRAINAGE PLAN, SUPPLEMENTAL CALCULATIONS FOR COPPER POINT DATED MAY 2007, WAS APPROVED FOR ALL DISCHARGE TO BE DIRECTED TO THE PRIVATE ROADWAY TO THE WEST AT 7.37 CFS (SEE TABLE). THERE ARE NO OFFSITE FLOWS THAT IMPACT THE SITE.

DEVELOPED CONDITION

THE RUNOFF FROM SITE WILL BE ROUTED THROUGH THE FLUSH PONDS ALONG SOUTH AND WEST PROPERTY LINES THEN DISCHARGED INTO THE PRIVATE DRIVE. THE PRIVATE DRIVE WILL CONVEY FLOW ALONG THE CURB TO INLETS LOCATED WEST OF THE SITE AND DISCHARGING TO THE I-40 CHANNEL. THIS DEVELOPMENT WILL HAVE NO ADDITIONAL IMPACT ON DOWNSTREAM FACILITIES.

FIRST FLUSH

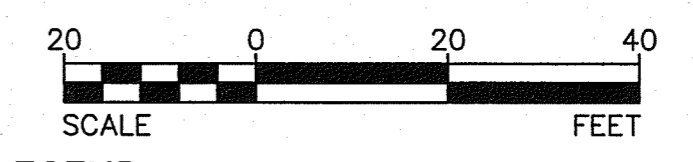
THERE ARE FLUSH PONDS ALONG THE PERIMETER OF THE SITE TO ACCOMMODATE THE FOLLOWING FIRST FLUSH REQUIREMENTS:
 IMPERVIOUS AREA = 56,432F²
 REQUIRED FLUSH VOLUME = 56,432 FT² * 0.34/12 FT. = 1,588 CU.FT.

HYDROLOGIC DATA - APPROVED

BASINS	AREA (acres)	LAND TREATMENT PERCENTAGES BY TYPE				YIELD (cfs/ac)	Q ¹⁰⁰ (cfs)	V ¹⁰⁰⁻²⁴ (acft)
		A	B	C	D			
A	1.70	0	7	8	85	4.66	7.37	0.342

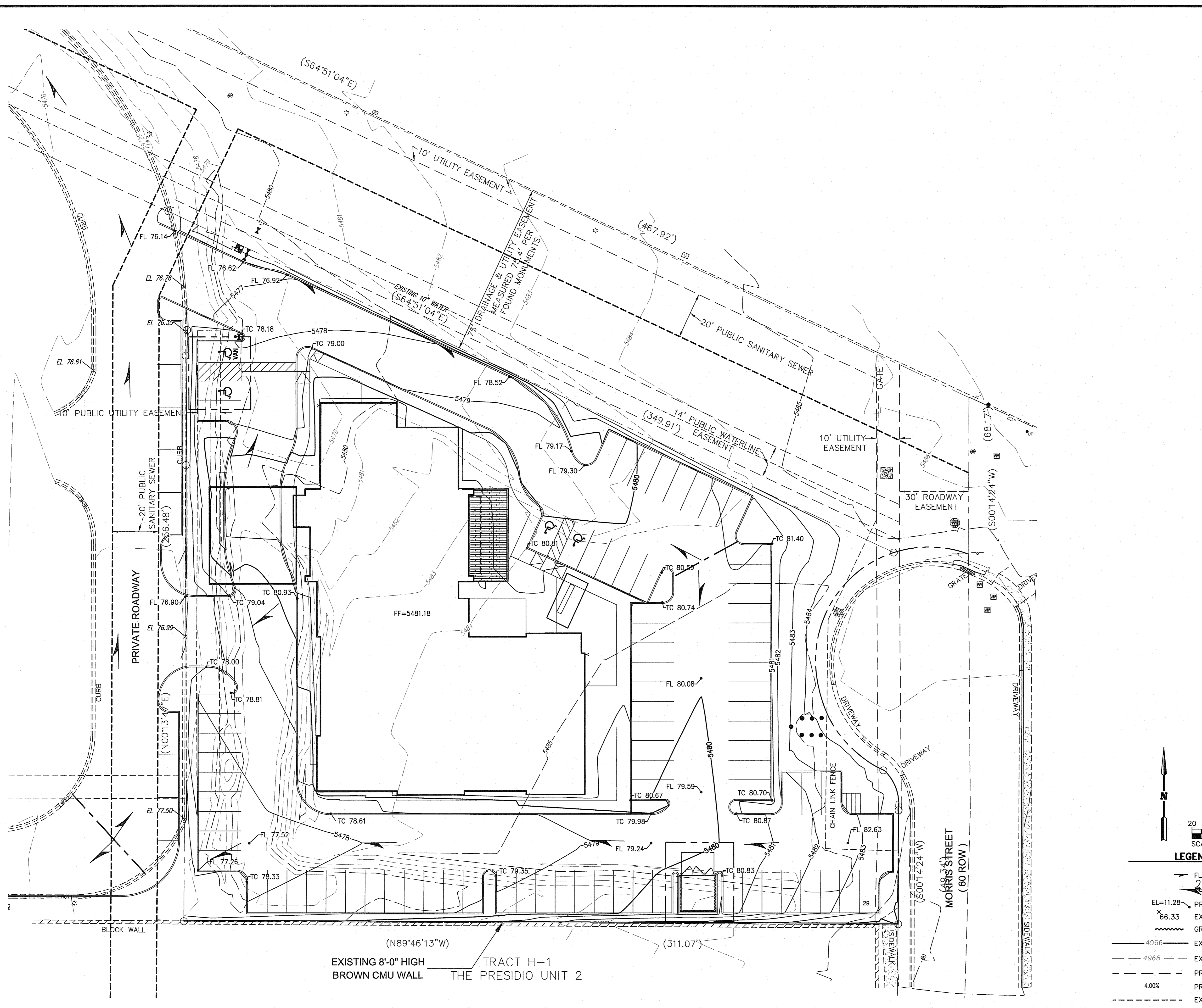
HYDROLOGIC DATA - PROPOSED

BASINS	AREA (acres)	LAND TREATMENT PERCENTAGES BY TYPE				YIELD (cfs/ac)	Q ¹⁰⁰ (cfs)	V ¹⁰⁰⁻²⁴ (acft)
		A	B	C	D			
A-1	1.60	0	13	6	81	4.55	7.20	0.331



LEGEND

- FLOW ARROW
- ↘ SLOPE ARROW
- EL=11.28
- x 66.33
- ~~~~ GRADE BREAK
- 4966— EXISTING CONTOUR
- - -4966 - - - EXISTING CONTOUR
- - - - - PROPOSED EASEMENT
- - - - - 4.00% PROPOSED GRADE
- - - - - EXISTING WALL
- — — — — PROPOSED WALL



EXISTING 8'-0" HIGH BROWN CMU WALL TRACT H-1 THE PRESIDIO UNIT 2

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REV	DATE	DESCRIPTION	APVD