

LEGEND:

EXISTING SPOT ELEVATION = . 50954 EXISTING CONTOUR = --- 5094.0 ----PROPOSED SPOT ELEVATION = \$\square509450 PROPOSED CONTOUR

LEGAL DESCRIPTION:

TRACT "B-1-B-1", WEST 66 ADDITION, TO THE CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO, (CITY ZONE ATLAS "K-10-Z"). BENCH MARK REFERENCE:

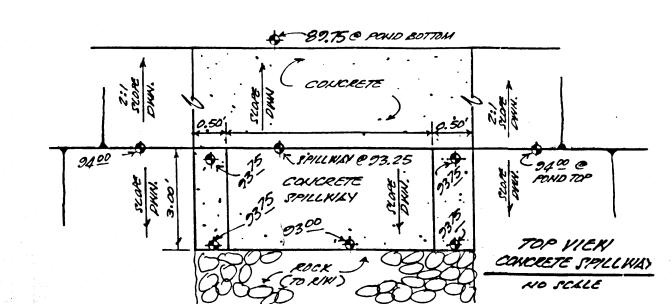
ACS STATION "6K-10", M.S.L.D. ELEVATION = 5094.343; PROJECT BENCH MARK AS SHOWN ON THE PLAN HEREON.

CONSTRUCTION NOTES:

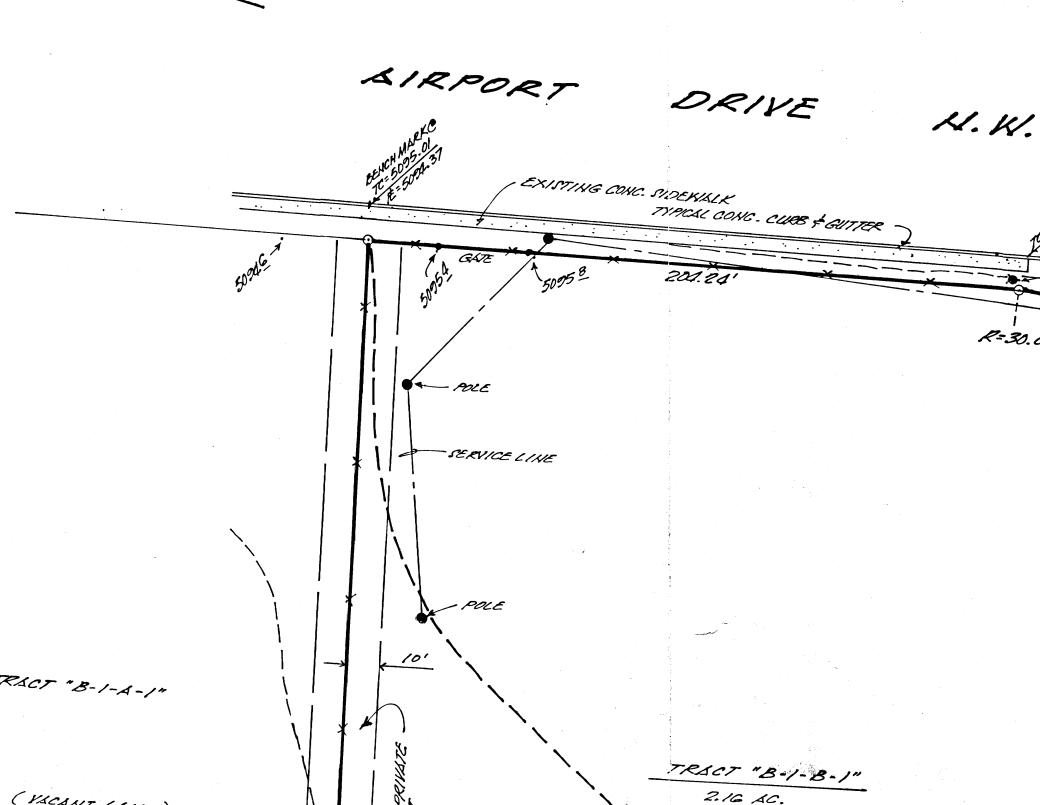
- 1.) TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE AT FOR LOCATION OF EXIST-
- 2.) PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF ALL POTENTIAL OBSTRUCTIONS: SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER
- 3.) ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE, AND LOCAL LAWS, RULES AND REGULATIONS
- 4.) ALL CONSTRUCTION WITHIN CITY RIGHT-OF-WAY SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE CITY OF ALBUQUERQUE STANDARDS AND PRO-

THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR MANAGEMENT FOR STORM RUN-OFF DURING CONSTRUCTION; HE SHALL INSURE THAT THE FOLLOWING MEASURES

- OF BERMS, DIKES, SWALES, PONDS, AND OTHER TEMPORARY GRADING AS RE-QUIRED TO PREVENT STORM RUNOFF FROM LEAVING THE SITE AND ENTERING ADJACENT PROPERTIES.
- BE PERMITTED TO ENTER PUBLIC STREETS.
- AND DEPOSITED THERE.







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SIGN POLES ON CONC. PLD

NOTE: THE SUBJECT SITE

NOTE: RECOMMENDATION IS MADE TO FENCE PROPOSED

238.30

POND AS SHOWN HEREON FOR LIABILTY PURPOSES.

EXISTING

IS PRESENTLY SURFACED

WITH ASPHALTIC MICLINES

TRACT "8-1-A-1"

(VACANT LAND

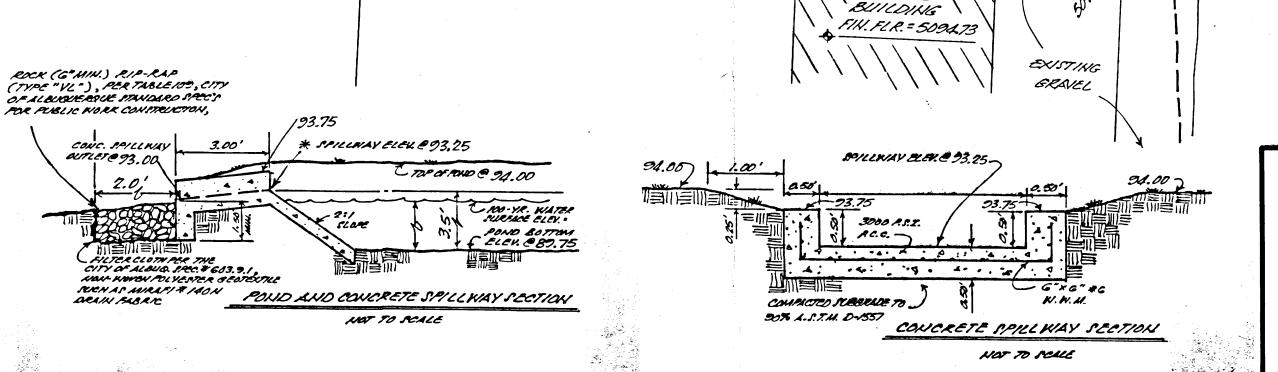
TO MENT WITH THE REAL PROPERTY.

- SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM OF DELAY.
- CONCERNING CONSTRUCTION SAFETY AND HEALTH.

ERUSION CONTROL MEASURES:

ARE TAKEN:

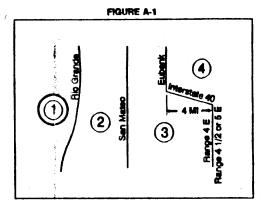
- 1.) ADJACENT PROPERTY SHALL BE PROTECTED AT ALL TIMES BY CONSTRUCTION
- 2.) ADJACENT PUBLIC RIGHT-OF-WAYS SHALL BE PROTECTED AT ALL TIMES FROM STORM WATER RUNOFF FROM THE SITE. NO SEDIMENT BEARING WATER SHALL
- 3.) THE CONTRACTOR SHALL IMMEDIATELY AND THROUGHLY REMOVE ANY AND ALL SEDIMENT WITHIN PUBLIC STREETS THAT HAS BEEN ERODED FROM THE SITE



- EXISTING FENCE

Bernaillio County's four precipitation zones are indicated in TABLE A-1 and or FIGURE A-1.

TABLE A-1. PRECIPITATION ZONES					
Zone	Location				
0	West of the Rio Grande				
2	Between the Rio Grande and San Mateo				
3	Between San Mateo and Eubank, North of Interstate 40; and between San Mateo and the East boundary of Range 4 East, South of Interstate 40				
4	East of Eubank, North of Interstate 40; and East of the East boundary of Range 4 East, South of Interstate 40				



DPM SECTION 22.2 - HYDROLOGY

TABLE A-4, LAND TREATMENTS					
Treetment	Land Condition				
A	Soil uncompacted by human activity with 0 to 10 percent slopes. Native grasses, weeds and strubs in typical densities with minimal disturbance to grading, groundcover and infiltration capacity. Croptands. Unlined arroyos.				
В	Irrigated lawns, parks and golf courses with 0 to 10 percent slopes. Native grasses, weeds and shrubs, and soil uncompacted by human activity with slopes greater than 10 percent and less than 20 percent				
С	Soil compected by human activity. Minimal vegetation. Unpaved parking, roads, trails. Most vecant lots. Gravel or rock on plastic (desert landscaping). Irrigated tawns and parks with stopes greater than 10 percent. Native grasses, weeds and shrubs, and soil uncompacted by human activity with slopes at 20 percent or greater Native grass, weed and shrub areas with clay or clay loam soils and other soils of very low permeability as classified by SCS Hydrologic Soil Group D.				
D	Impervious areas, pavement and roofs.				

restment D, the areal percentages in TABLE A-5 may be employed.

DRAINAGE COMMENTS AND CALCULATIONS:

AS SHOWN ON THE VICINITY MAP HEREON, THE SUBJECT SITE IS LOCATED AT THE NORTHWEST INTERSECTION OF WEST CENTRAL AVENUE AND AIRPORT DRIVE N.W., IN THE CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO, (CITY ZONE MAP "K-10-Z").

zone boundary use the zone

the largest portion of the

THE SUBJECT, 1.) IS NOT LOCATED WITHIN A DESIGNATED FLOODPLAIN (RE: F.E.M.A. FLOODWAY MAP 27 OF 50), 2.) IS PRESENTLY AN UNDEVELOPED LOT SURFACED WITH ASPHALT MILLINGS AND BEING USED AS A MOBILE HOME SALES LOT, 3.) DOES NOT LIE ADJACENT TO A NATURAL OR ARTIFICIAL WATER COURSE, 4.) PRESENTLY CONTRIBUTES TO THE OFFSITE FLOWS OF THE PROPERTY LYING NORTH OF AND ADJACENT TO THE SUBJECT SITE, 5.) HAS AN UNDERSIZED POND ONSITE THAT WILL BE ENLARGED TO ACOMMODATE THE REQUIRED VOLUME AND WILL PROVIDE A SPILLWAY AS SHOWN ON THE PLAN HEREON.

CALCULATIONS:

PER SECTION 22.2, HYDROLOGY OF THE DEVELOPMENT PROCESS MANUAL, VOLUME 2, DESIGN CRITERIA FOR THE CITY OF ALBUQUERQUE, NEW MEXICO, DATED: JANUARY,

SITE AREA: 2.16 ACRES

PRECIPITATION ZONE: ONE (1)

PEAK INTENSITY: "I" = 4.70

LANT TREATMENT METHOD FOR CALCULATION OF "Q"

NOTE: THE SUBJECT SITE CALCULATIONS AS SHOWN HEREON ARE CONSIDERED AS A DEVELOPED LOT PER C.O.A. REQUIREMENTS.

TREA MENT AREA/ACROS FACTOR CFS

POND VOLUME CALCULATIONS: V₃₆₀, (100-YR. 6 HR.)

TREATMENT	AREA/ACRES		FACTOR		
С	0.32	X	0.99	=	0.31
	1.84	X	1.97	=	3.62

"E" = $\frac{0.31 + 3.62}{2.16}$ = 1.82 INCHES

 $V_{360} = \frac{1.82}{12}$ x 2.16 = 0.33 AC. FT.

FOR TEN (10) DAY STORMS: V_{10} DAYS = $V_{360} + A_D \times (P_{10} - P_{360})/12$ IN. FT.

 V_{10} DAYS = 0.33 + 1.84 X (3.67 - 2.20)/12 = 0.56 AC. FT.

0.56 AC. FT. X 43,560.0 = 24,393.6 CU. FT. REQUIRED

REQUIRED POND SIZE: 40.0' X 180.0' X 3.5' = 25,200.0 CU. FT. = 24,393.6 CU. FT.

** FREEBOARD = 806.4 CU. FT.

POND SPILLWAY - WEIR SIZE CALCULATION:

BREADTH = 3.0' "C" = 2.63 "H" = 0.50' NOTE: VALUE OF "C" = 2.63 INTERPOLATED FROM TABLE 5.3, BOOK OF HYDRAULICS, SECTION 5. BRATER & KING, 6th EDITION, 1976.

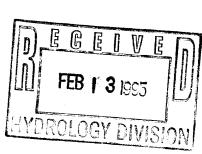
 $Q = 2.63 \times LH^{1.5}$

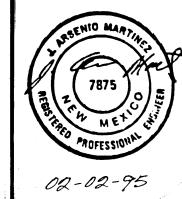
 $L = \frac{Q}{(2.63) (H^{1.5})} = \frac{8.96}{(2.63) (0.50^{1.5})} = 9.63' (USE 9.50')$

GENERAL NOTES:

- 1.) NO PROPERTY CORNERS HAVE BEEN SET PER THIS SURVEY OF THE SUBJECT PROPERTY.
- 2.) NO SEARCH HAS BEEN MADE FOR EASEMENTS OF RECORD WITHIN THE SUBJECT PROPERTY OTHER THAN THOSE SHOWN ON THE PLAN HEREON.
- 3.) TOPOGRAPHY SURVEY OBTAINED BY THE "TRANSIT-STADIA" METHOD.

A ORAINISGE PLAN FOR TRACT "B-1-B-1" WEST GG ADDITION LLBUQUERQUE, KIEW MEXICO FEBRUARY, 1995





ENGINEER'S SEAL

