



GRADING AND DRAINAGE PLAN 1"=20'

LEGAL DESCRIP.	LEGEND
LOTS 6 THRU 15, BLOCK 2 COMMERCIAL ADDITION FILED OCTOBER 1, 1925	TBM TEMPORARY BENCH MARK FF FINISH FLOOR FG FINISH GRADE FL FLOW LINE TA TOP OF ASPHALT TC TOP OF CURB TP TOP OF PAD TS TOP OF SIDEWALK TW TOP OF WALL FH FIRE HYDRANT MH MAN HOLE PP POWER POLE RD ROOF DRAIN PED POWER OR TEL. PEDESTAL WV WATER VALVE
ACS BM	
ACS E-424 ELEV. 4960.676 NGS BRASS TABLET BRASS TABLET STAMPED "B-424, 1982". LOCATED IN BRIDGE PILLAR 4.3' ABOVE GROUND IN THE SE QUADRANT OF THE MARQUETTE AVE./AT & SF RR. 20' WEST OF THE EAST ROW FENCE.	
TEMPORARY BM	
FIRE HYDRANT BOLT ELEV. 55.49 SW BONNET BOLT OF THE FIRE HYDRANT LOCATED IN THE NE QUADRANT OF THE ROMA AVE./ COMMERCIAL STREET INTER.	XX.XE EXISTING ELEVATION XX.X PROPOSED ELEVATION AS-BUILT ELEVATION



SITE CONDITIONS	DRAINAGE CALC'S
PRESENT CONDITION THE SITE IS PRESENTLY DEVELOPED AS AN OFFICE/WAREHOUSE. OF THE 37500 S.F. SITE, LESS THAN 500 S.F. HAS A PERVIOUS SURFACE. DRAINAGE IS A DIRECT DISCHARGE WHICH IS SPLIT BETWEEN DISCHARGE TO THE STREET AND DISCHARGE TO THE RAILROAD RIGHT-OF-WAY. THE SITE IS LOCATED IN COMPLETELY DEVELOPED NEIGHBORHOOD, MOST OF WHICH IS IMPERVIOUS SURFACE. THE SITE IS NOT LOCATED IN A FLOOD HAZARD ZONE PER FEMA FIRM NO. 28, DATED OCTOBER 14, 1983. SEE A PORTION OF FEMA FIRM NO. 28 ON THIS SHEET FOR AREA TOPOGRAPHY AND FLOOD HAZARD AREAS.	EXISTING CONDITION 100 year, 6 hour storm rainfall = 2.2 in. 10 min = t_c , intensity = 4.65 in/hr runoff source area, s.f. C roof 31600 0.90 asphalt 5410 0.95 landscape 490 0.40 RUNOFF RATE $Q = ((31600)(0.90) + (5410)(0.95) + (490)(0.40))(4.65/43560) = 3.6\text{cfs}$ RUNOFF VOLUME $V = ((31600)(0.90) + (5410)(0.95) + (490)(0.40))(2.2/12) = 6192\text{ c.f.}$
PROPOSED CONDITION THE BUILDING AREA IS TO BE EXPANDED INTO THE EXISTING ASPHALT PAVED AREA BY APPROXIMATELY 1635 S.F. AND AN ADDITIONAL 235 S.F. OF ASPHALT PAVED AREA IS TO BE CONVERTED TO PERVIOUS AREA FOR LANDSCAPING. NO ONSITE OR OPSITE FLOWS ARE TO BE BLOCKED OR DIVERTED AS A RESULT OF THIS PROJECT. THERE WILL BE A VERY SLIGHT REDUCTION IN THE TOTAL DISCHARGE FROM THE SITE DUE TO THIS PROJECT.	PROPOSED CONDITION runoff source area, s.f. C roof 33235 0.90 asphalt 3540 0.95 landscape 725 0.40 RUNOFF RATE $Q = ((33235)(0.90) + (3540)(0.95) + (725)(0.40))(4.65/43560) = 3.6\text{cfs}$ RUNOFF VOLUME $V = ((33235)(0.90) + (3540)(0.95) + (725)(0.40))(2.2/12) = 6153\text{ c.f.}$

CONSTRUCTION NOTES	EROSION CONTROL
1. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM 260-1990 FOR LOCATION OF EXISTING UTILITIES. 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 SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY. 3. ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS, RULES AND REGULATIONS CONCERNING CONSTRUCTION SAFETY AND HEALTH. 4. ALL CONSTRUCTION WITHIN PUBLIC RIGHT-OF-WAY SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE CITY OF ALBUQUERQUE STANDARDS AND PROCEDURES.	1. THE CONTRACTOR SHALL ENSURE THAT NO SOIL ERODES FROM THE SITE INTO PUBLIC RIGHT-OF-WAY OR ONTO PRIVATE PROPERTY. THIS CAN BE ACHIEVED BY CONSTRUCTING TEMPORARY BERMS AT THE PROPERTY LINES AND WETTING THE SOIL TO KEEP IT FROM BLOWING. 2. THE CONTRACTOR SHALL PROMPTLY CLEAN UP ANY MATERIAL EXCAVATED WITHIN THE PUBLIC RIGHT-OF-WAY SO THAT THE EXCAVATED MATERIAL IS NOT SUSCEPTIBLE TO BEING WASHED DOWN THE STREET. 3. THE CONTRACTOR SHALL SECURE "TOPSOIL DISTURBANCE PERMIT" PRIOR TO BEGINNING CONSTRUCTION.

NOV - 6 1991
HYDROLOGY DIVISION

job title MALOOF BUILDING ADDITION 523 COMMERCIAL N.E.		
PROJECT MANAGER GEORGE R. RAINHART	job no 91065.00	date 10/28/91
sheet title SITE PLAN		by JJB

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PROFESSIONAL ENGINEER
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sheet 1
C1
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