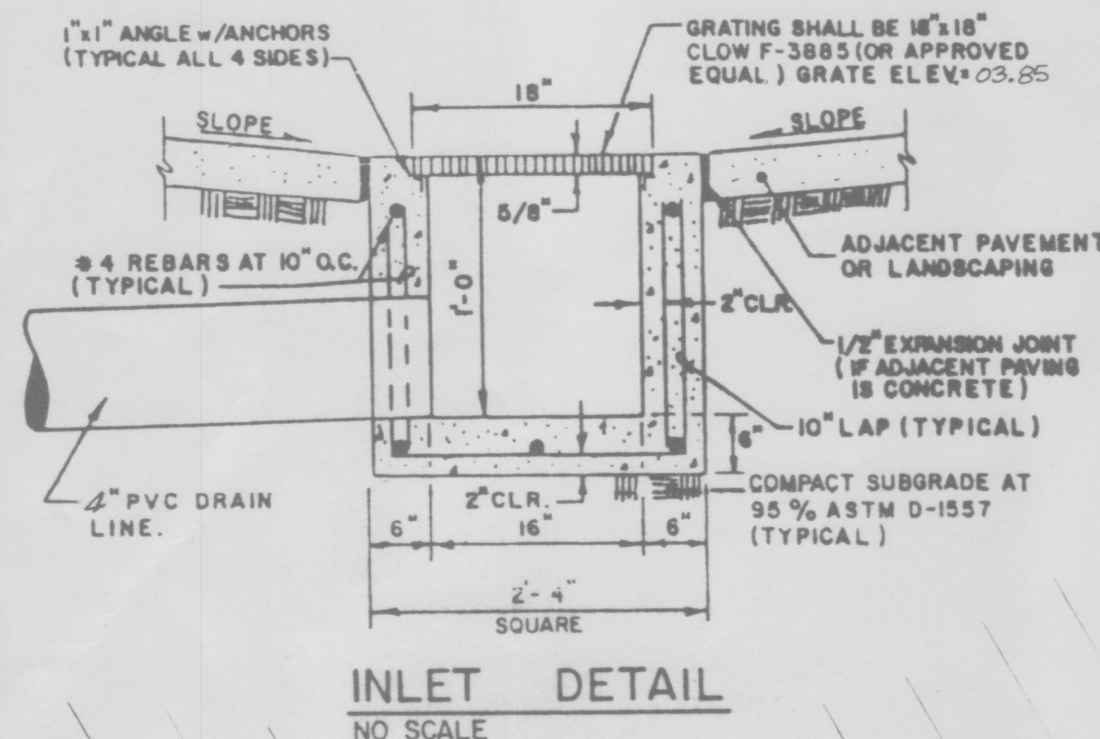


CONSTRUCTION NOTES:

- 1.) TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE AT 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 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 CITY RIGHT-OF-WAY SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE CITY OF ALBUQUERQUE STANDARDS AND PROCEDURES.



EROSION CONTROL MEASURES:

- THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR MANAGEMENT FOR STORM RUN-OFF DURING CONSTRUCTION; HE SHALL INSURE THAT THE FOLLOWING MEASURES ARE TAKEN:
- 1.) ADJACENT PROPERTY SHALL BE PROTECTED AT ALL TIMES BY CONSTRUCTION OF BERMS, DIKES, SWALES, PONDS, AND OTHER TEMPORARY GRADING AS REQUIRED TO PREVENT STORM RUNOFF FROM LEAVING THE SITE AND ENTERING ADJACENT PROPERTIES.
 - 2.) ADJACENT PUBLIC RIGHT-OF-WAYS SHALL BE PROTECTED AT ALL TIMES FROM STORM WATER RUNOFF FROM THE SITE. NO SEDIMENT BEARING WATER SHALL BE PERMITTED TO ENTER PUBLIC STREETS.
 - 3.) THE CONTRACTOR SHALL IMMEDIATELY AND THOROUGHLY REMOVE ANY AND ALL SEDIMENT WITHIN PUBLIC STREETS THAT HAS BEEN ERODED FROM THE SITE AND DEPOSITED THERE.

LEGEND:

EXISTING CONTOUR = 05.00
 EXISTING SPOT ELEVATION = 05.00
 PROPOSED CONTOUR = 05.00
 PROPOSED SPOT ELEVATION = 05.00
 TOP OF CURB AND CURB FLOWLINE ELEVATION = 72.04.30 / 12.03.05
 EXISTING CHAIN LINK FENCE LINE =

TABLE A-4. LAND TREATMENTS	
Treatment	Land Condition
A	Soil uncompacted by human activity with 0 to 10 percent slopes. Native grasses, weeds and shrubs in typical densities with minimal disturbance to grading, groundcover and infiltration capacity. Croplands. Unlined arroyos.
B	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.
C	Soil compacted by human activity. Minimal vegetation. Unpaved parking, roads, trails. Most vacant lots. Gravel or rock on plastic (desert landscaping). Irrigated lawns and parks with slopes 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.

TABLE A-4. PEAK DISCHARGE (cfs/acre)				
Zone	Treatment			100-YR 10-YR
	A	B	C	D
1	1.29 [0.00, 0.24]	2.03 [0.03, 0.76]	2.87 [0.47, 1.49]	4.37 [1.89, 2.89]
2	1.56 [0.00, 0.38]	2.28 [0.08, 0.95]	3.14 [0.60, 1.71]	4.70 [1.88, 3.14]
3	1.87 [0.00, 0.58]	2.60 [0.21, 1.19]	3.45 [0.78, 2.00]	5.02 [2.04, 3.39]
4	2.20 [0.05, 0.87]	2.92 [0.38, 1.45]	3.73 [1.00, 2.28]	5.25 [2.17, 3.57]

A.1 PRECIPITATION ZONES

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

TABLE A-1. PRECIPITATION ZONES	
Zone	Location
1	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

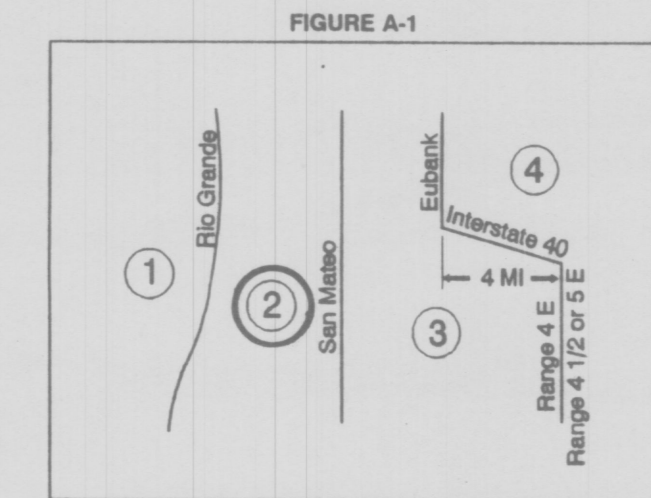


TABLE A-10. PEAK INTENSITY (IN/HR at t _c = 0.2 hour)	
Zone	Intensity
1	4.70 [1.84, 3.14]
2	4.70 [2.04, 3.41]
3	5.38 [2.21, 3.65]
4	5.81 [2.34, 3.83]

DRAINAGE COMMENTS:

AS SHOWN ON THE VICINITY MAP HEREON, THE SUBJECT SITE IS LOCATED ON THE EAST SIDE OF GIRARD BLVD. N.E. SOUTH OF CANDELARIA BLVD. N.E., IN THE CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO, (CITY ZONE ATLAS MAP "H-16-Z").

THE SUBJECT SITE IS PRESENTLY A PARTIALLY DEVELOPED COMMERCIAL PROPERTY; THE PROPOSED PLAN IS TO CONSTRUCT A NEW WAREHOUSE BUILDING WITH ASSOCIATED IMPROVEMENTS TO SAID EXISTING FACILITIES.

THE SUBJECT SITE, 1.) ITSELF DOES NOT LIE WITHIN A DESIGNATED FLOODPLAIN, (RE: F.E.M.A. PANEL 23 OF 50), 2.) DOES LIE WEST OF AND ADJACENT TO AN ARTIFICIAL WATER COURSE KNOWN AS THE A.M.A.F.C.A. NORTH DIVERSION CHANNEL, 3.) DOES NOT ACCEPT OFFSITE FLOWS FROM ADJACENT PROPERTIES, 4.) DOES NOT CONTRIBUTE OFF-SITE FLOWS TO ADJACENT PROPERTIES, 5.) UTILIZES AN EXISTING SUMP TANK AND SUBMERSIBLE PUMP(S) TO DISCHARGE THE EXISTING AND PROPOSED DEVELOPED FLOWS INTO AFOREMENTIONED GIRARD BLVD. N.E. VIA AN EXISTING 4" P.V.C. PIPE THROUGH CONCRETE CURB.

CALCULATIONS:

PER SECTION 22.2, HYDROLOGY OF THE DEVELOPMENT PROCESS MANUAL, VOLUME 2., DESIGN CRITERIA FOR THE CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO, JANUARY 1993, AND PER BERNALILLO COUNTY STORM DRAINAGE ORDINANCE NO. 90-6.

SITE AREA: 1.36 ACRE

PRECIPITATION ZONE: TWO (2), TABLE A-1.

PEAK INTENSITY: IN./HR. AT T_c = TWELVE (12) MINUTES, 100-YR. = 5.05, TABLE A-10
 LAND TREATMENT METHOD FOR CALCULATION OF "Q_p", TABLES A-8 & A-9.

"LAND TREATMENT FACTORS", TABLE A-4.

EXISTING CONDITIONS:

TREATMENT	AREA/ACRES	FACTOR	CFS
C	0.37	X	3.14 = 1.16
D	0.99	X	4.70 = 4.65

"Q_p" = 5.81 CFS

PROPOSED CONDITIONS:

TREATMENT	AREA/ACRES	FACTOR	CFS
C	0.07	X	3.14 = 0.22
D	1.29	X	4.70 = 6.06

"Q_p" = 6.28 CFS *** INCREASE = 0.47 CFS.

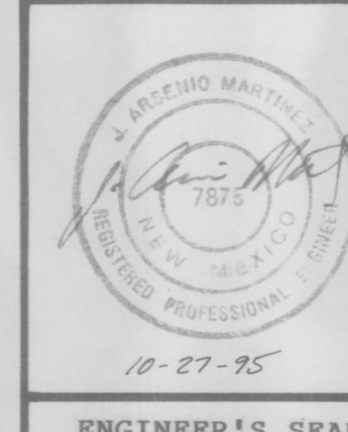
LEGAL DESCRIPTION:

TRACT "ONE-A", LANDS OF DON J. CUMMINGS CO., INC.
 ALBUQUERQUE, NEW MEXICO.

BENCH MARK REFERENCE: STATION "6-H16" A.M.A.F.C.A. BRASS CAP LOCATED AT CANDELARIA BLVD. N.E. AND THE A.M.A.F.C.A. NORTH DIVERSION CHANNEL; M.S.L.D. ELEVATION OF 5112.162; PROJECT BENCH MARK AS SHOWN ON THE PLAN HEREON.

NOTE: THE OWNER(S) AND PROPRIETOR(S) OF THE SUBJECT PROPERTY ARE TO PROVIDE WRITTEN SUMP-PUMPS(S) SPECIFICATIONS, PRESENT AND PAST RELIABILITY AND PERFORMANCE OF SAID EXISTING DRAINAGE SYSTEM.

A GRADING AND DRAINAGE PLAN
 FOR A
 PROPOSED WAREHOUSE BUILDING
 AT 2914 GIRARD BLVD. N.E.
 ALBUQUERQUE, NEW MEXICO
 OCTOBER, 1995



GENERAL NOTES:

- 1.) NO PERIMETER BOUNDARY CORNERS HAVE BEEN FIELD ESTABLISHED PER THIS SURVEY OF THE SUBJECT SITE.
- 2.) NO SEARCH HAS BEEN MADE FOR EASEMENTS OF RECORD WITHIN THE SUBJECT PROPERTY OTHER THAN THOSE SHOWN ON THE ARCHITECTURAL SITE PLAN OR PLAT OF RECORD.
- 3.) REFER TO "ARCHITECTURAL SITE PLAN" FOR FIELD LAYOUT OF THE PROPOSED IMPROVEMENTS.
- 4.) TOPOGRAPHY SURVEY SHOWN ON THE PLAN HEREON WAS PROVIDED BY TORRES SURVEYING COMPANY, OCTOBER - 1995.

NOTE: PROPOSED LANDSCAPED AREAS PER "ARCHITECTURAL SITE PLAN" =

NOTE: TYPICAL CURBING AND SIDEWALK DETAIL WHERE PROPOSED.

NOTE: TYPICAL CURBING AT LAND-SCAPED AREA(S) WHERE SHOWN.