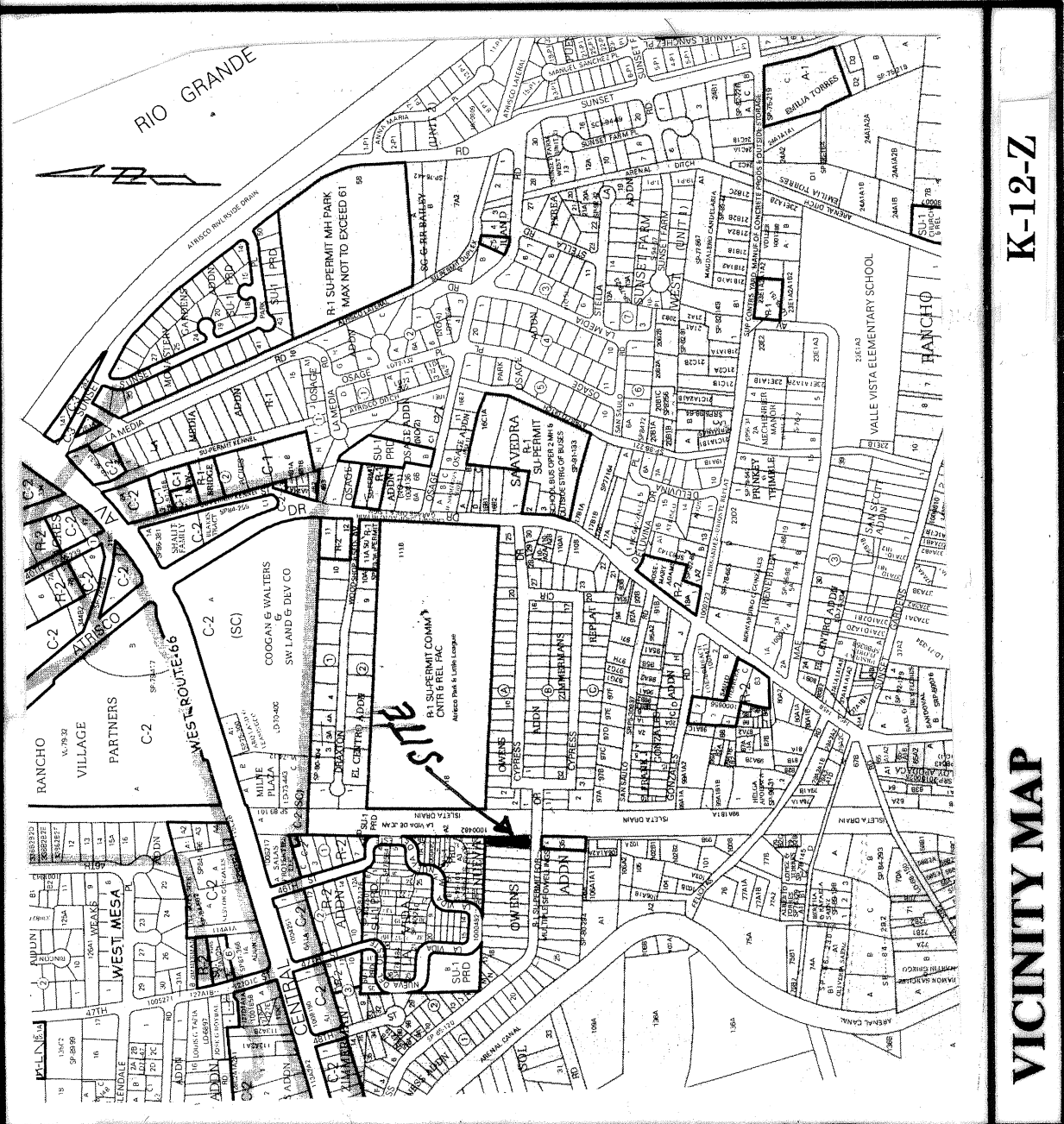




EROSION CONTROL MEASURES

THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR AN ADEQUATE EROSION CONTROL PLAN. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR THE FOLLOWING MEASURES ARE TAKEN:

- ADJACENT PROPERTY SHALL BE PROTECTED AT ALL TIMES BY CONSTRUCTION OF BERMS, DIKES, SWALES, PONDS, AND OTHER TEMPORARY GRADING AS REQUIRED TO PREVENT EROSION FROM LEAVING THE SUBJECT SITE AND ENDANGERING ADJACENT PROPERTIES.
- ADJACENT PUBLIC AREAS SHALL BE PROTECTED AT ALL TIMES FROM STORM WATER RUNOFF FROM THE SUBJECT SITE. NO SEDIMENT BEARING WATER SHALL BE PERMITTED TO ENTER PUBLIC STREET RIGHT-OF-WAYS.
- THE CONTRACTOR SHALL IMMEDIATELY AND THOROUGHLY REMOVE ANY AND ALL SEDIMENT FROM PUBLIC STREETS THAT HAS BEEN ERODED FROM THE SUBJECT SITE AND DEPOSITED THEREON.

CONSTRUCTION NOTES

- TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST SUBMIT TO THE CITY ENGINEER A DETAILED EROSION CONTROL PLAN, LOCATING THE EXISTING SURFACE OF SUB-SURFACE UTILITIES.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL POTENTIAL OBSTRUCTIONS, SHOULD A CONFLICT EXIST. THE CONTRACTOR SHALL NOTIFY THE CITY ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM OF DELAY.
- ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL LAWS, RULES, AND REGULATIONS CONCERNING CONSTRUCTION SAFETY AND HEALTH.
- ALL CONSTRUCTION WITHIN PUBLIC STREET RIGHT-OF-WAYS SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE CITY OF ALBUQUERQUE/BERNALILLO COUNTY STANDARDS AND PROCEDURES.

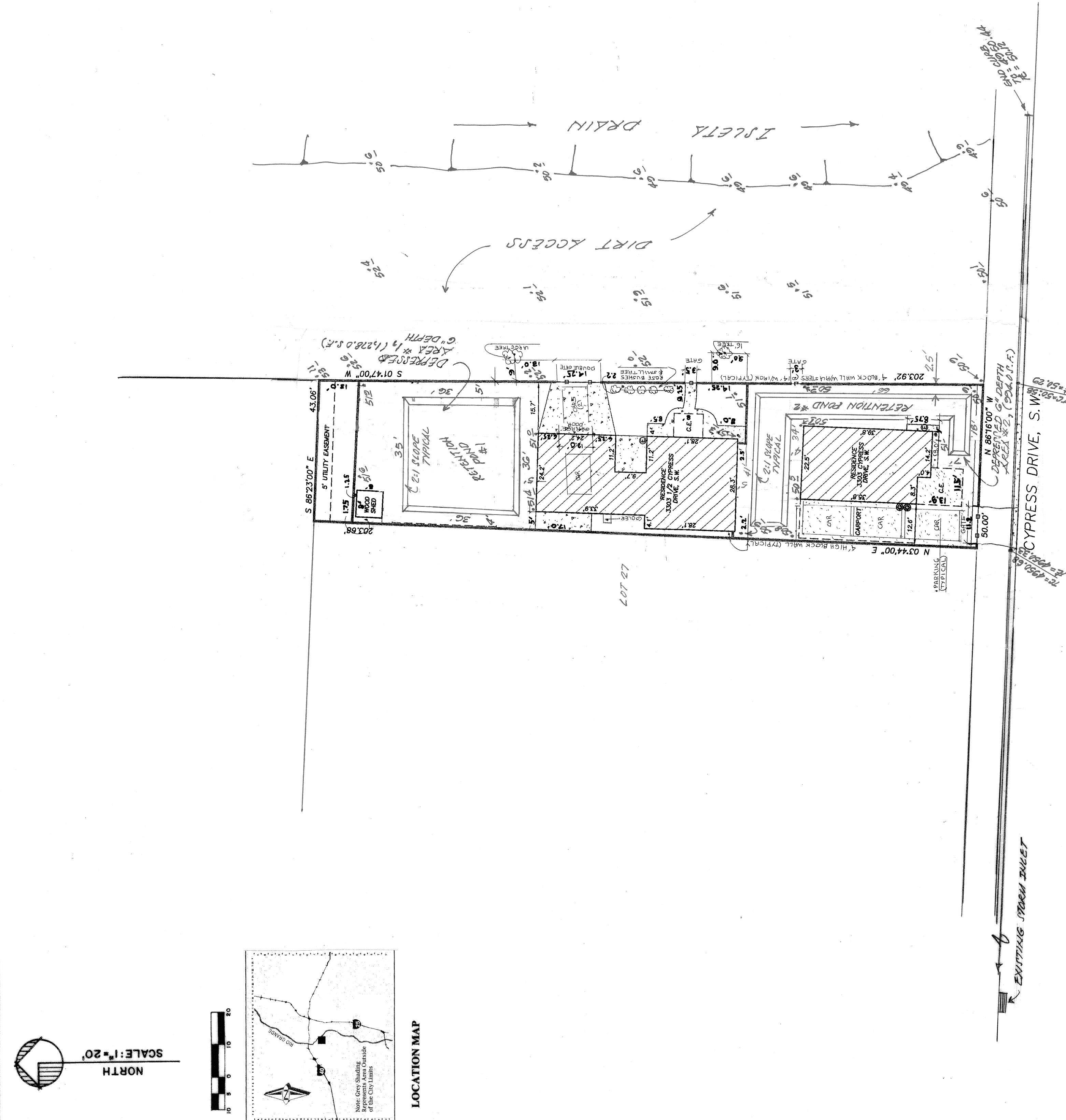
GENERAL NOTES

- NO PERIMETER BOUNDARY CORNERS HAVE BEEN FIELD ESTABLISHED PER THIS SURVEY OF THE SUBJECT PROPERTY.
- NO SEARCH HAS BEEN MADE FOR EASEMENTS OF RECORD OTHER THAN SHOWN HEREON.

LEGEND

TOP OF CURB ELEVATION =
CURB FLOWLINE ELEVATION =
EXISTING SPOT ELEVATION =
EXISTING CONTOUR ELEVATION =
PROPOSED SPOT ELEVATION =
PROPOSED CONTOUR ELEVATION =
PROPOSED OR EXISTING CONCRETE SURFACE =
EXISTING FENCE LINE =

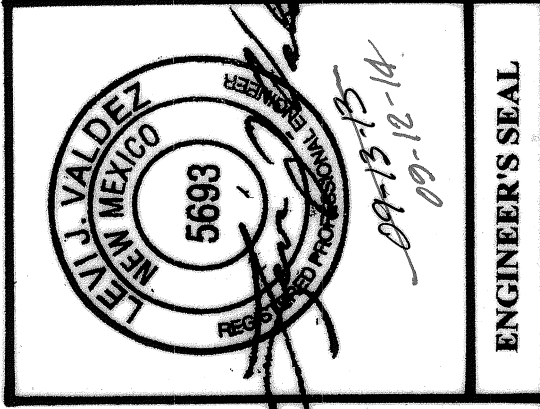
H/A



LEGAL DESCRIPTION: LOT 28, BLOCK 2, OWENS ADDITION, ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO, (K-12-Z).

* TOTAL V100-360 = 1,086.1 c.f. / 2,272.0 = 0.48' DEPTH (2.50')

(CSU-20130014)



GRADING AND DRAINAGE PLAN

FOR

3303 CYPRESS DRIVE S.W.

BERNALILLO COUNTY, NEW MEXICO

AUGUST, 2013

(SEPTEMBER, 2014)

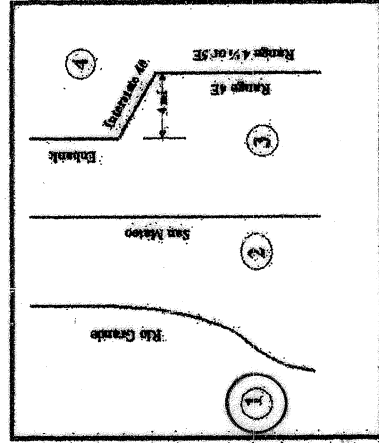
ENGINEER'S SEAL

A.1 PRECIPITATION ZONES

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

ZONE	LOCATION
1	West of the Rio Grande
2	Between the Rio Grande and San Mateo
3	Between San Mateo and Elephant, North of Interstate 40; and between San Mateo and the East boundary of Range 4 East, South of Interstate 40
4	East of Elephant, North of Interstate 40; and East of the East boundary of Range 4 East, South of Interstate 40

Zone	Intensity (100-YR)	Intensity (2-YR, 10-YR)
1	1.58 (1.84, 1.14)	5.05 (2.04, 3.41)
2	1.58 (1.84, 1.14)	5.05 (2.04, 3.41)
3	1.58 (1.84, 1.14)	5.05 (2.04, 3.41)
4	1.58 (1.84, 1.14)	5.05 (2.04, 3.41)



DRAINAGE COMMENTS:

AS SHOWN ON THE VICINITY MAP HEREON, THE SUBJECT SITE IS LOCATED ON THE NORTH SIDE OF CYPRESS DRIVE S.W. IN THE CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO, (ZONE ATLAS MAP "K-12-Z").

THE SUBJECT SITE, 1, IS A DEVELOPED PROPERTY WITH TWO EXISTING HOUSES THEREON. 2, DOES NOT ACCEPT OFF-SITE FLOWS FROM ADJACENT PROPERTIES. 3, DOES NOT CONTRIBUTE FLOWS TO ADJACENT PROPERTIES. 4, DOES LIE ADJACENT TO A PUBLIC STREET RIGHT-OF-WAY. 5, DOES LIE ADJACENT TO A MAN MADE WATER-WAY (ISLETA DRAIN).

SITE AREA - 0.22 ACRE ZONE ONE (1)
PRECIPITATION: 36.0 - 2.20 in.
14.40 - 2.66 in.
10 day = 3.67 in.

EXCESS PRECIPITATION:
TREATMENT A 0.44 in
TREATMENT B 0.67 in
TREATMENT C 0.99 in
TREATMENT D 1.97 in.

PEAK DISCHARGE:
1.29 cfs/ac.
2.03 cfs/ac.
2.87 cfs/ac.
4.37 cfs/ac.

EXISTING CONDITIONS:

AREA
TREATMENT A 0.00 ac.
TREATMENT B 0.00 ac.
TREATMENT C 0.14 ac.
TREATMENT D 0.28 ac.

EXISTING EXCESS PRECIPITATION:

Weighted E = (0.44)(0.00)+(0.67)(0.00)+(0.99)(0.14)+(1.97)(0.28)=0.22
V100-360 = (1.36)(0.22)/12 = 0.02495 ac-ft = 1,086.1 c.f. *

EXISTING PEAK DISCHARGE:

Q100 = (1.29)(0.00)+(2.03)(0.00)+(2.87)(0.14)+(4.37)(0.28) = 0.75 cfs *

RETENTION POND #1 = 1,278.0 D.F.

RETENTION POND #2 = 940.0 D.F.

TOTAL = 2,272.0 D.F.

