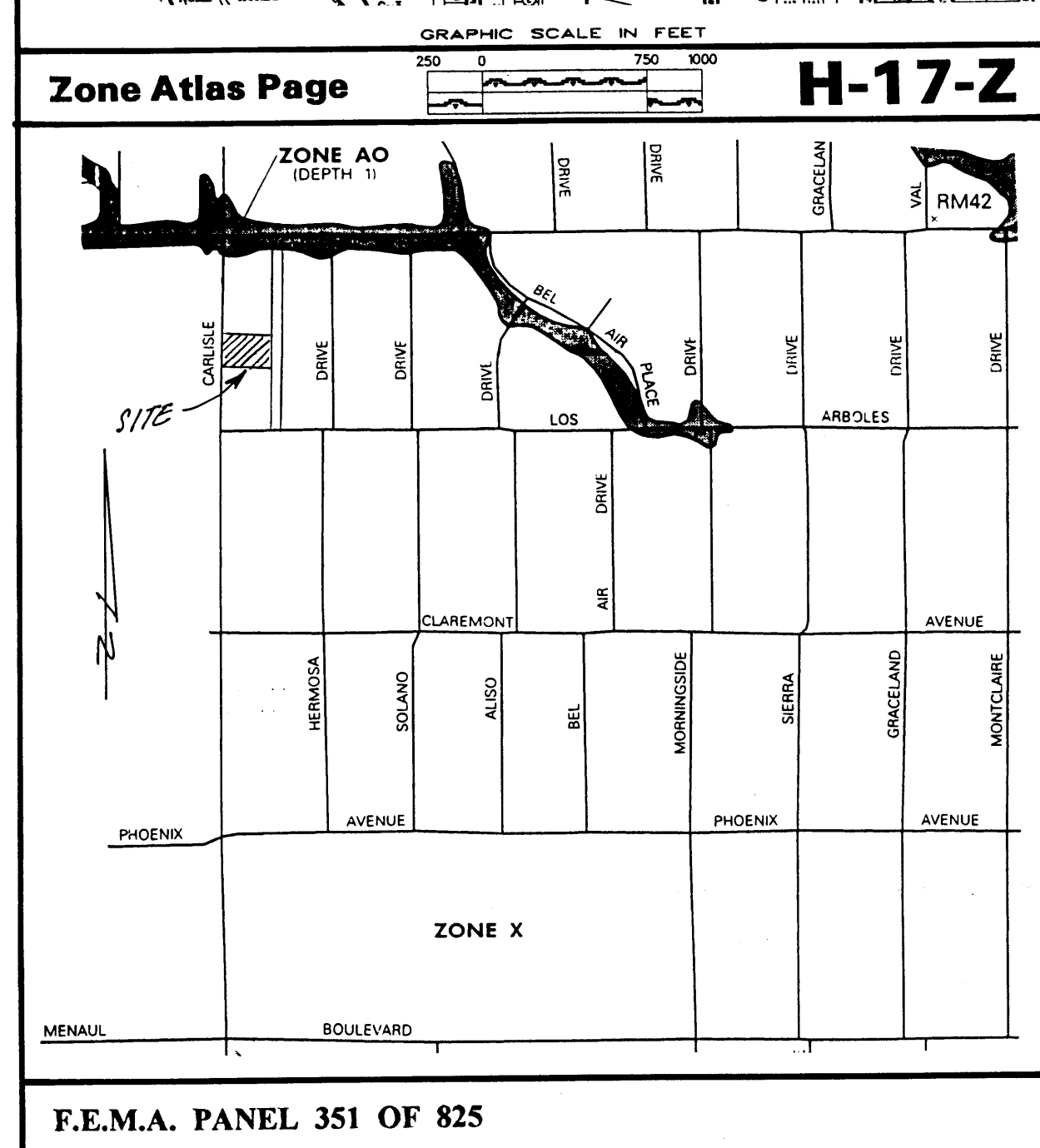
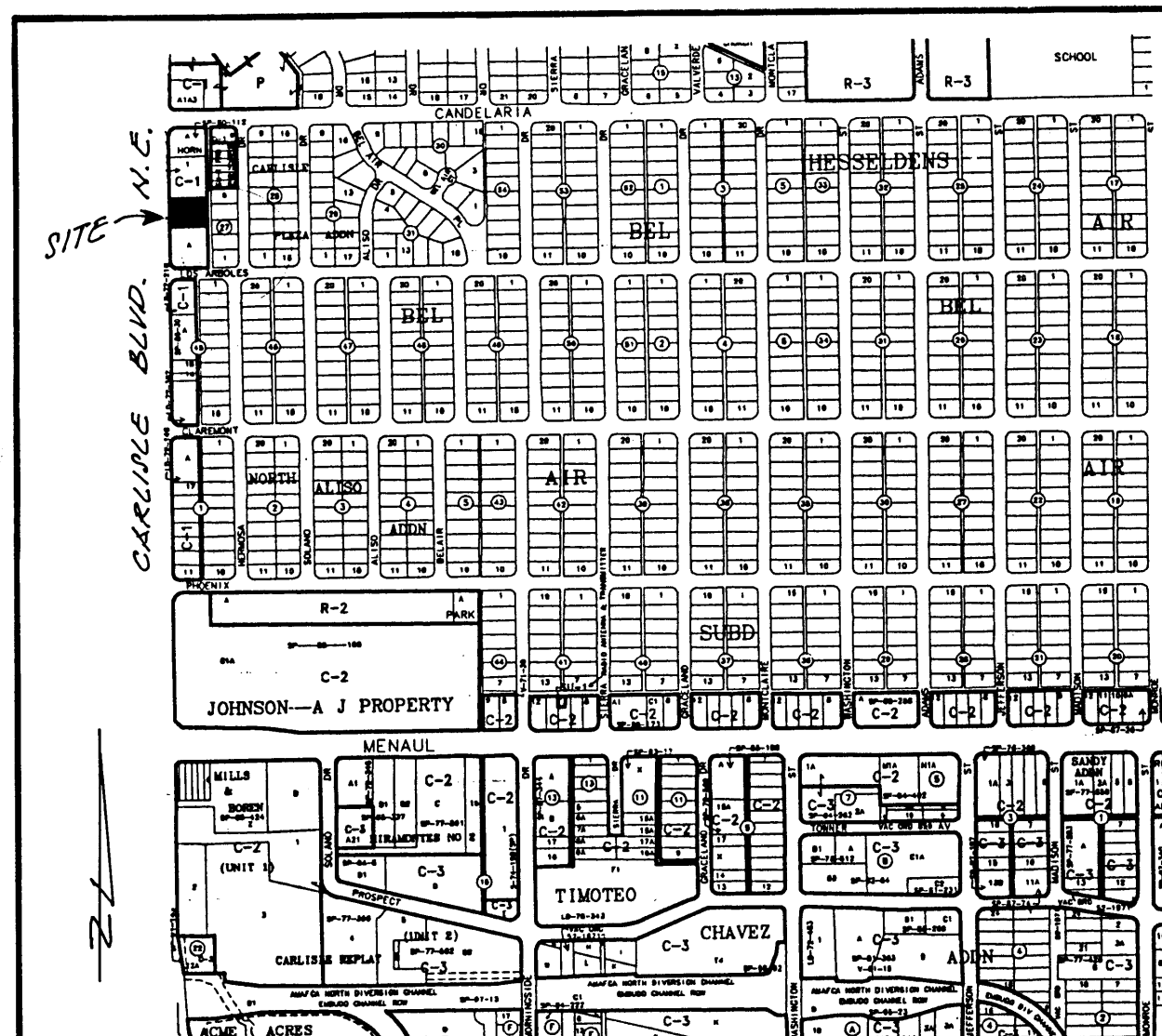




EROSION CONTROL MEASURES:

THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR MANAGEMENT OF STORM RUNOFF DURING CONSTRUCTION. HE SHALL ENSURE THAT 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 STORM RUNOFF FROM LEAVING THE SUBJECT SITE AND ENTERING ADJACENT PROPERTIES.
- ADJACENT PUBLIC RIGHT-OF-WAYS 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 CONTACT LINE LOCATING SERVICE AT 260-1990 FOR THE ACTUAL FIELD LOCATION OF THE EXISTING SURFACE OF SUB-SURFACE UTILITIES.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATION(S) 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.
- 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-WAY(S) SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE CITY OF ALBUQUERQUE/BERNALILLO COUNTY STANDARDS AND PROCEDURES.

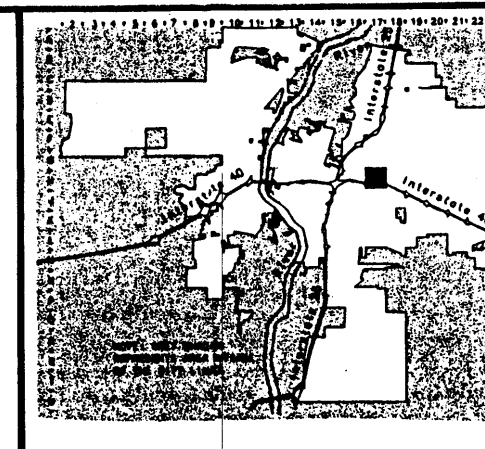
LEGEND:

TOP OF CURB ELEVATION = 70.39.27
CURB FLOWLINE ELEVATION = 70.39.62
EXISTING SPOT ELEVATION = 40.0
EXISTING CONTOUR ELEVATION = 514.0
PROPOSED SPOT ELEVATION = 39.62
PROPOSED CONTOUR ELEVATION = 41.0
PROPOSED OR EXISTING CONCRETE SURFACE =
EXISTING FENCE LINE =

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.

LEGAL DESCRIPTION: TRACTS 'A-1' & 'A-2', HAYES ADDITION, (BEING REPLANTED AND CONSOLIDATED INTO ONE PARCEL), ALBUQUERQUE, NEW MEXICO.



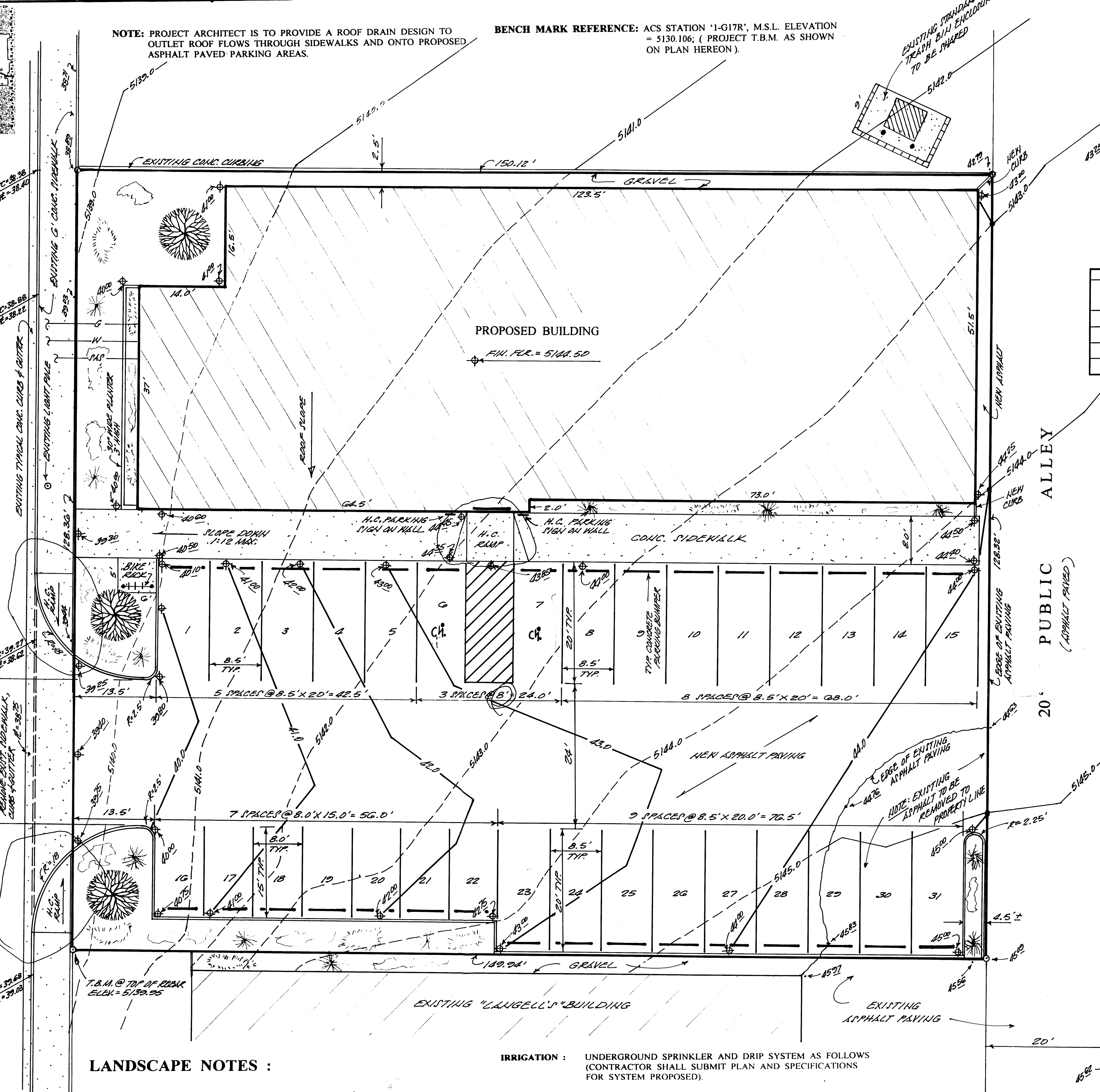
Zone Atlas Page H-17-Z

Carlisle Blvd. N.E. (2000')

Public Alley (Asphalt Paved)

Scale: 1" = 10'

North Arrow



LANDSCAPE NOTES:

- LANDSCAPING SHALL BE PER "PLANTING RESTRICTIONS APPROACH":
MEDIUM AND LOW WATER USE TREES/PLANTS 80% (MINIMUM) OF LANDSCAPED AREA.
WATER REQUIREMENTS: (H) = HIGH, (M) = MEDIUM, (L) = LOW. NOTED ON SCHEDULE IS PER ALBUQUERQUE PLANT LIST.
- GENERAL:**
LANDSCAPED AREAS: SHALL BE PREPARED WITH REQUIRED AND SUITABLE AMENDMENTS FOR PLANTING AND MAINTAINING SOD, TREES, SHRUBS, ETC. EXCAVATE TO NATURAL SUBSOIL LEVEL. FILL WITH CLEAN SUBSOIL AND 4" TOPSOIL (MINIMUM) CONTAINING HUMUS. (FREE OF DEBRIS, WEEDS, FIELD GRASSES, ETC.)
- TREES:** SHALL BE 2" O CALIPER (MINIMUM) AT 2' ABOVE GROUND AND SHALL BE 10'-0" (MINIMUM) IN HEIGHT.
- PLANTS / SHRUBS:** SHALL BE 5 GALLON (MINIMUM).
- GROUND COVER:** SHALL BE ESTABLISHED WITHIN ONE (1) YEAR OF PLANTING (MAXIMUM). SOD, PLANTINGS, SHREDDED BARK, RIVER-RUN GRAVEL SHALL BE OVER SOIL TREATED FOR WEED CONTROL.

IRRIGATION: UNDERGROUND SPRINKLER AND DRIP SYSTEM AS FOLLOWS (CONTRACTOR SHALL SUBMIT PLAN AND SPECIFICATIONS FOR SYSTEM PROPOSED).

NOTE: OWNER SHALL MAINTAIN LANDSCAPING.

LEGEND:

ARIZONA SOD =
ARTEMISIA CANA (SILVER PINE) =
YUCCA PENICILLATA =
PURPLE ICE PLANT =
* GRAVEL MULCH (3/4" SALT FREE BROWN) GROUND COVER

FIGURE A-1

TABLE A-1. 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. Unfertilized.
B	Irrigated lawns, parks and golf courses with 0 to 10 percent slopes. Native grasses, weeds and shrubs in typical densities with minimal disturbance to grading, groundcover and infiltration capacity. Croplands. Unfertilized.
C	Soil compacted by human activity. Minimal vegetation. Unpaved parking, roads, trails. Most recent use. 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-16. PEAK INTENSITY (IN/Hr. at 10 min)

Zone	Intensity [IN/Hr. 10 min]
1	4.70 [1.84, 5.14]
2	6.60 [2.04, 5.41]
3	5.50 [2.21, 5.05]
4	6.61 [2.34, 5.83]

TABLE A-17. PEAK DISCHARGE (cfs/acre)

Zone	Intensity [IN/Hr. 10 min]	100-YR [IN/Hr. 10 min]
1	1.29 [0.00, 0.24]	2.05 [0.00, 0.79]
2	1.58 [0.00, 0.38]	2.28 [0.00, 0.85]
3	1.87 [0.00, 0.48]	2.80 [0.21, 1.19]
4	2.21 [0.06, 0.87]	3.45 [0.76, 2.00]

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

DRAINAGE COMMENTS:

AS SHOWN ON THE VICINITY MAP HEREON, THE SUBJECT SITE IS LOCATED AT THE APPROXIMATE SOUTHEAST CORNER OF THE INTERSECTION OF CARLISLE BLVD. N.E. AND CANDELARIA ROAD N.E., IN THE CITY OF ALBUQUERQUE, NEW MEXICO, (CITY ZONE ATLAS 'H-17-Z').

THE SUBJECT SITE IS PRESENTLY AN UNDEVELOPED 'C-1' ZONED INFILL PROPERTY THAT IS TO HAVE A COMMERCIAL FACILITY CONSTRUCTED THEREON, TOGETHER WITH ALL ASSOCIATED IMPROVEMENTS.

THE SUBJECT SITE, 1, DOES NOT LIE WITHIN A DESIGNATED FLOODPLAIN (RE: F.E.M.A. PANEL 351 OF 825 SHOWN HEREON), 2, DOES NOT ACCEPT OFFSITE FLOWS FROM ADJACENT PROPERTIES, 3, DOES NOT CONTRIBUTE TO THE OFFSITE FLOWS OF ADJACENT PROPERTIES, 4, DOES NOT LIE ADJACENT TO AN ARTIFICIAL OR NATURAL WATER COURSE, 5, IS ALLOWED TO FREE DISCHARGE THE DEVELOPED FLOWS FROM SAID PROPERTY; SAID DISCHARGE OF DEVELOPED FLOWS WILL NOT HAVE AN ADVERSE AFFECT TO DOWNSTREAM PROPERTIES.

CALCULATIONS:

PER SECTION 22.2, HYDROLOGY OF THE DEVELOPMENT PROCESS MANUAL, VOLUME 2, DESIGN CRITERIA FOR THE CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO.

SITE AREA: 0.44 ACRE
PRECIPITATION ZONE: TWO (2)
PEAK INTENSITY: IN/HR. AT Tc = TWELVE (12) MINUTES, 100 YR / 6 HR. = 5.05
LAND TREATMENT FOR CALCULATION OF "Qp", TABLES 'A-8' & 'A-9'
LAND TREATMENT FACTORS, TABLE 'A-4'.

EXISTING CONDITIONS:

TREATMENT	AREA/ACRES	FACTOR	CFS
C	0.44	X	3.14

'Qp' = 1.38 CFS

PROPOSED DEVELOPED CONDITIONS:

TREATMENT	AREA/ACRES	FACTOR	CFS
C	0.05	X	3.14
D	0.39	X	4.70

'Qp' = 1.99 CFS ***** INCREASE = 0.61 CFS

BUILDING AREA = 6,994.0 SQ. FT.
PARKING RATIO = 1.0 SPACE/200 SQ. FT.
PARKING REQ. = 35 SPACES (MINUS 10% DUTY CYCLE) = 31
PARKING PROVIDED = 31 SPACES

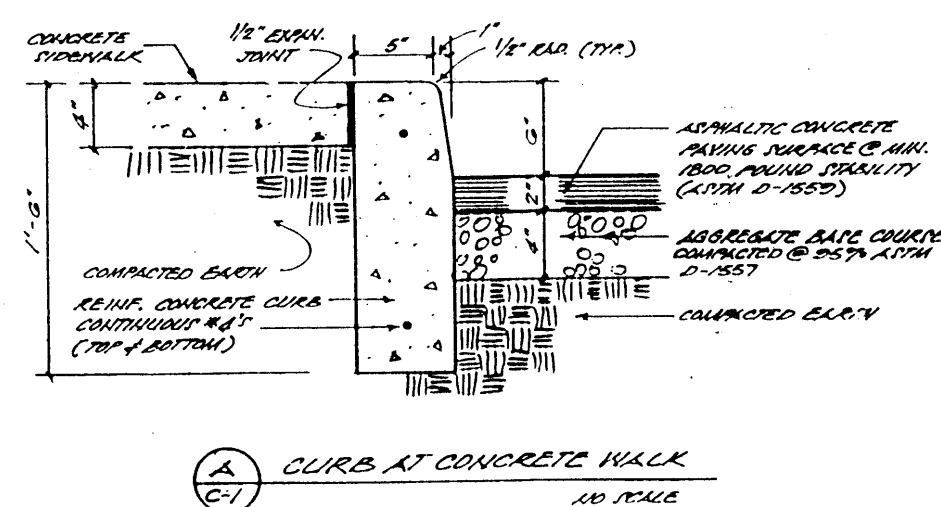
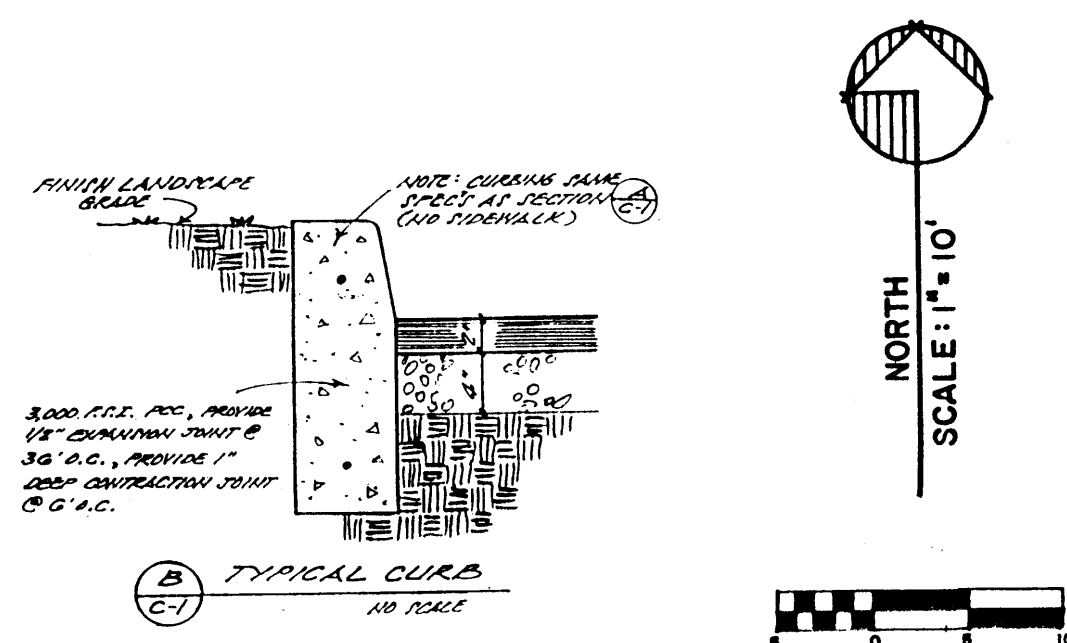
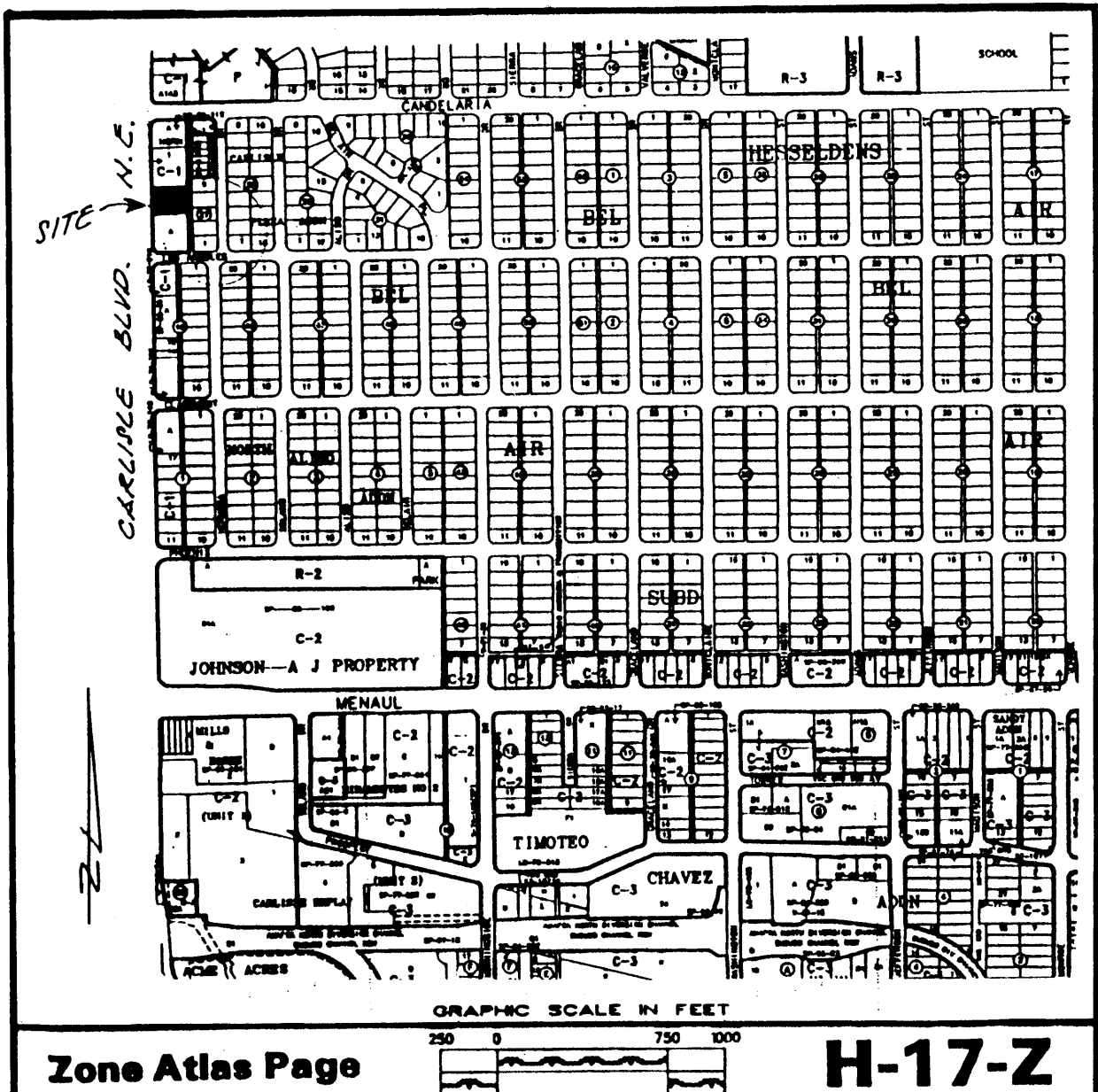
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MAY 25 2004
HYDROLOGY SECTION

T.C.L. PLAN

A PROPOSED GRADING / DRAINAGE & SITE PLAN FOR ARCHERY SHOPPE (CARLISLE BLVD. N.E.) ALBUQUERQUE, NEW MEXICO MAY, 2004

ENGINEER'S SEAL

LEVI VALDES
NEW MEXICO
5693
05-25-04



SITE DATA:

PROPOSED USAGE: RETAIL ARCHERY SHOP & ARCHERY RANGE

ZONING: 'C-1'

LOT AREA: 0.44 ACRE

BUILDING AREA: 6,979.3 SQ. FT.

PROPOSED LANDSCAPE AREA: 2,178.0 SQ. FT.

REQUIRED LANDSCAPE AREA: 1,828.1 SQ. FT.

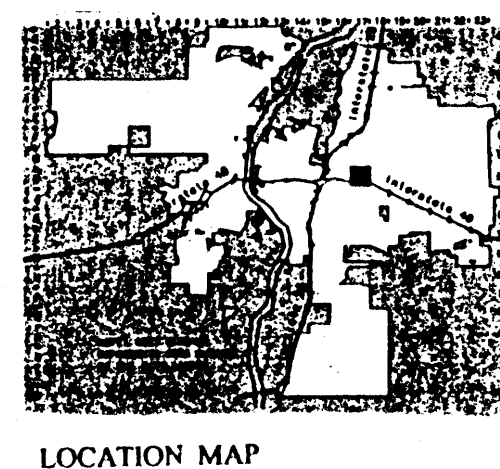
PARKING PROVIDED: 31 SPACES (INCLUDING 2 H.C. VAN ACCESSIBLE)

PARKING REQUIRED: 31 SPACES (INCLUDING 2 H.C. VAN ACCESSIBLE)

LEGEND:

PROPERTY BOUNDARY LINE

EXISTING OR PROPOSED CONCRETE



LOCATION MAP

CARLISLE BLVD. N.E.

EXISTING STREET MEDIAN (NO MEDIAN BOUND)

NOTE: PROVIDE SIDEWALK H.C. CURB 18\"/>

30\"/>

NOTE: INTER NEW 8\"/>

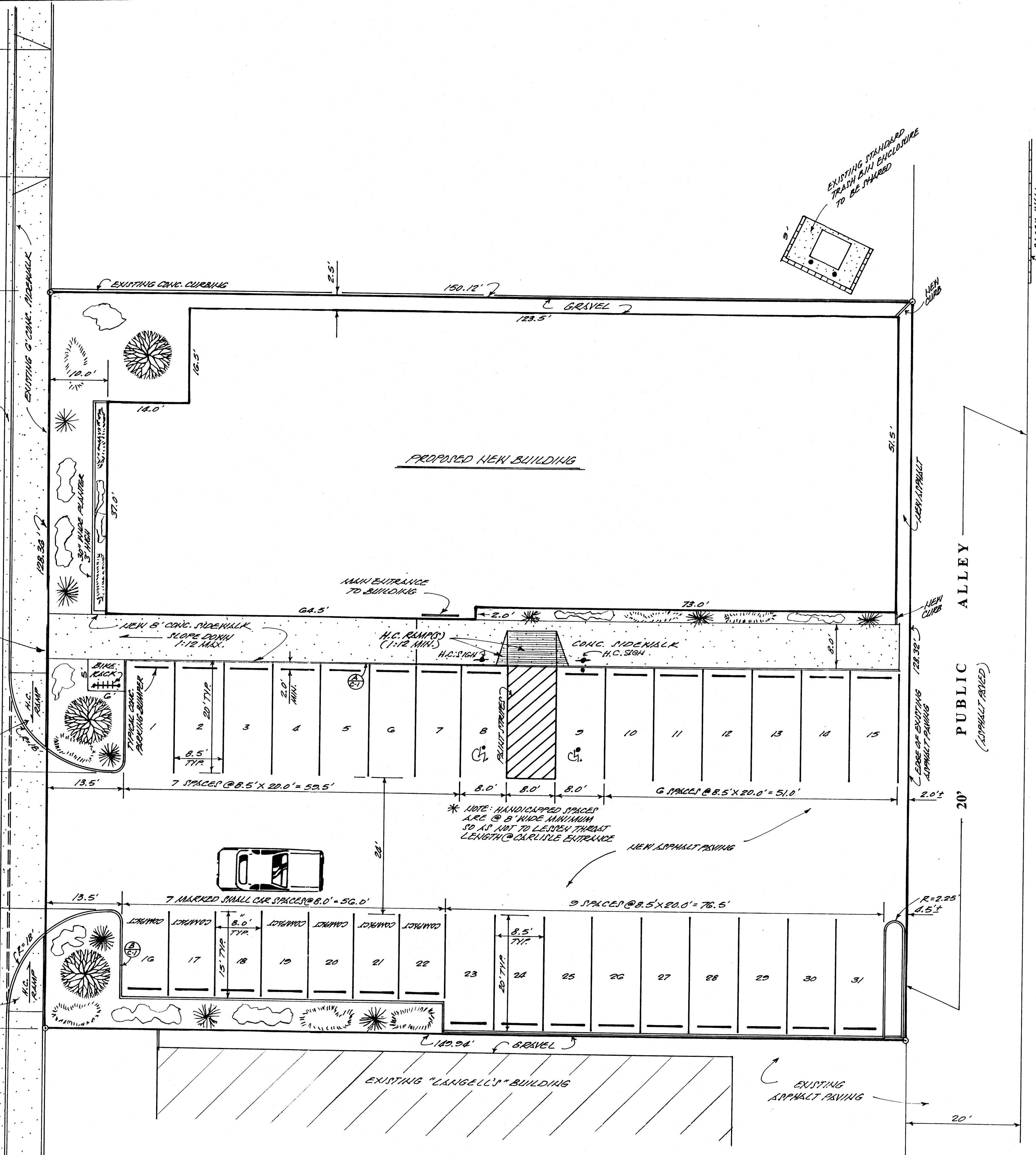
EXISTING TYPICAL CONC. CURB & GUTTER

NOTE: PROVIDE SIDEWALK H.C. CURB 18\"/>

PER A.C.A. STD. DNG. # CRES. PROVIDE NEW 24\"/>

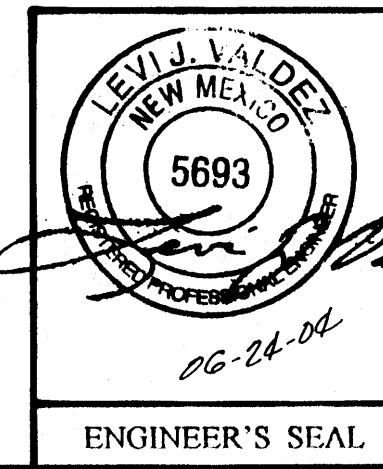
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EXISTING OR PROPOSED CONCRETE

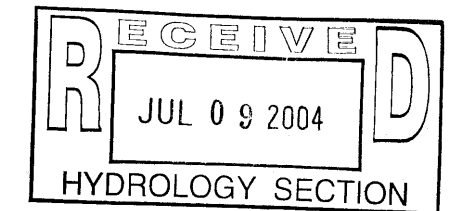
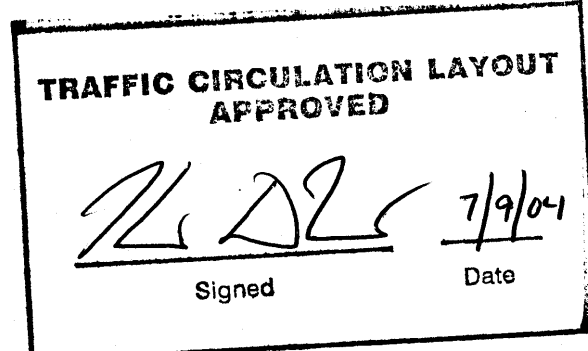


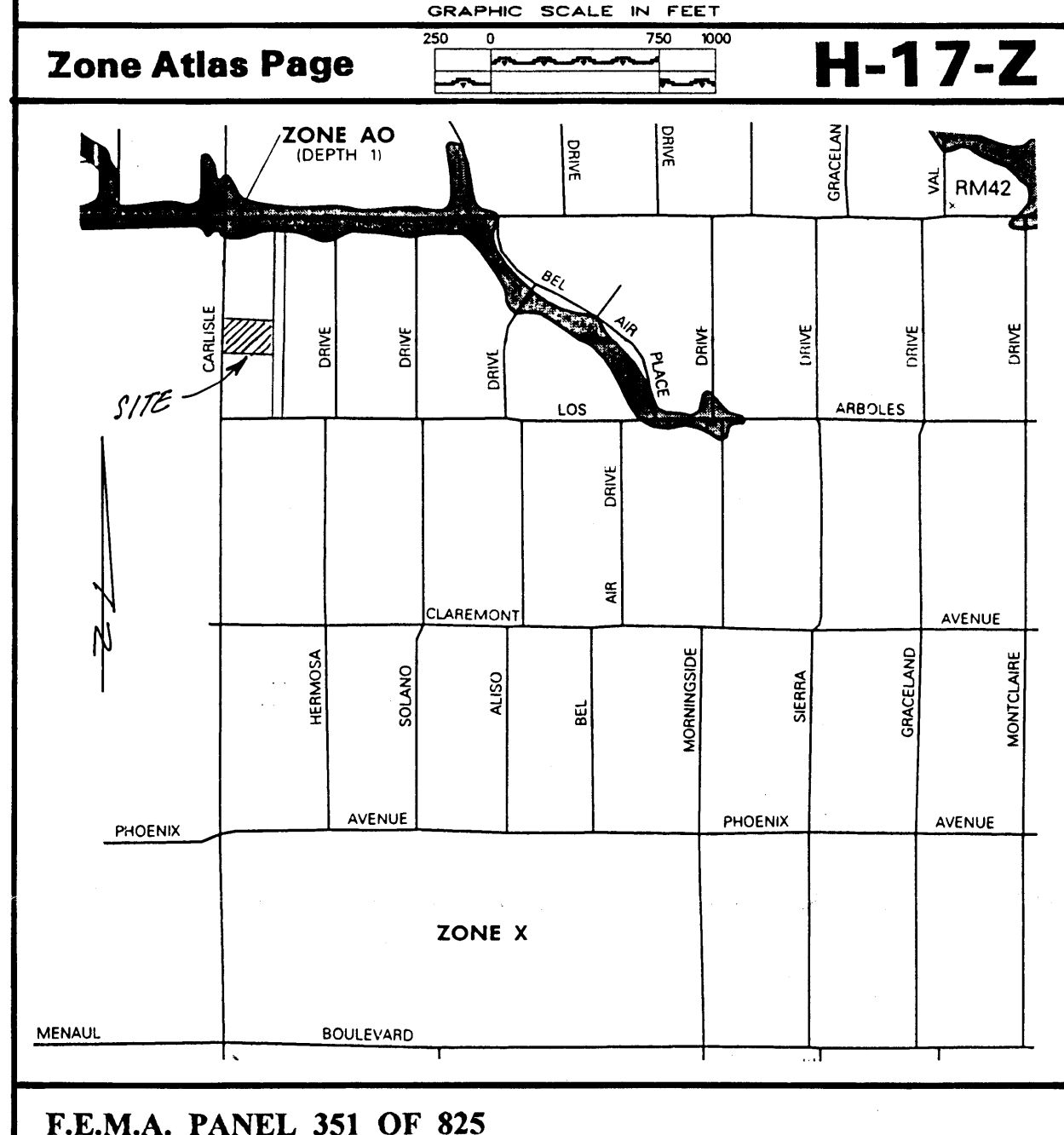
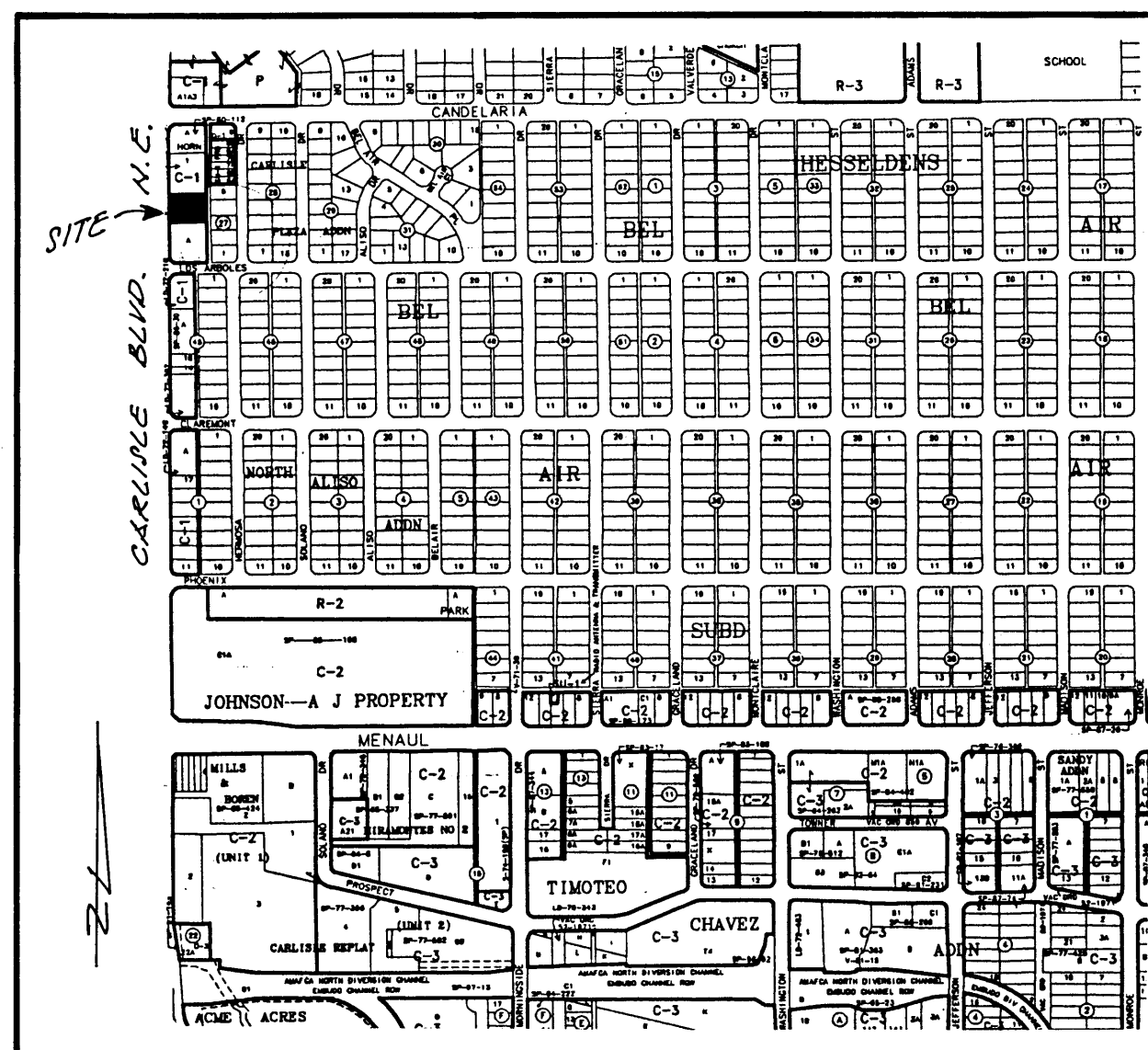
LEGAL DESCRIPTION:

TRACTS 'A-1' & 'A-2' OF THE REPLAT OF TRACT 'A', HAYES ADDITION, ALBUQUERQUE, NEW MEXICO.



TRAFFIC CIRCULATION LAYOUT FOR ARCHERY SHOPPE & GALLERY (2900 CARLISLE BLVD. N.E.) ALBUQUERQUE, NEW MEXICO MAY, 2004





EROSION CONTROL MEASURES:

THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR MANAGEMENT OF STORM RUNOFF DURING CONSTRUCTION. HE SHALL ENSURE THAT THE FOLLOWING MEASURES ARE TAKEN:

- ADJACENT PROPERTY SHALL BE PROTECTED AT ALL TIMES BY CONSTRUCTION OF BERMS, DICES, SWALES, PONDS, AND OTHER TEMPORARY GRADING AS REQUIRED TO PREVENT STORM RUNOFF FROM LEAVING THE SUBJECT SITE AND ENTERING ADJACENT PROPERTIES.
- ADJACENT PUBLIC RIGHT-OF-WAYS 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 CONTACT LINE LOCATING SERVICE AT 260-1990 FOR THE ACTUAL FIELD LOCATION OF 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 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-WAY(S) SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE CITY OF ALBUQUERQUE/BERNALILLO COUNTY STANDARDS AND PROCEDURES.

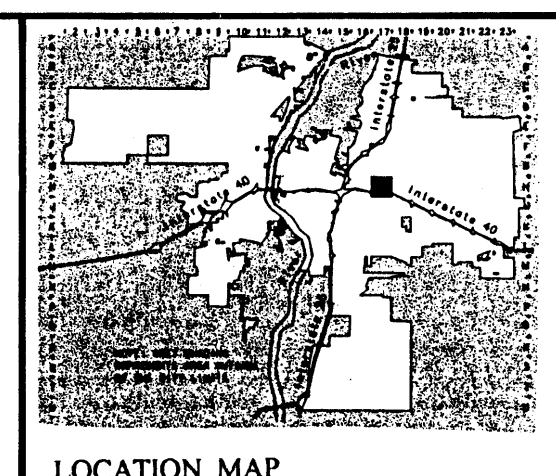
LEGEND:

TOP OF CURB ELEVATION = 70.39.27
CURB FLOWLINE ELEVATION = 70.38.02
EXISTING SPOT ELEVATION = 40.2
EXISTING CONTOUR ELEVATION = 514.10
PROPOSED SPOT ELEVATION = 40.2
PROPOSED CONTOUR ELEVATION = 41.0
PROPOSED OR EXISTING CONCRETE SURFACE = 41.4

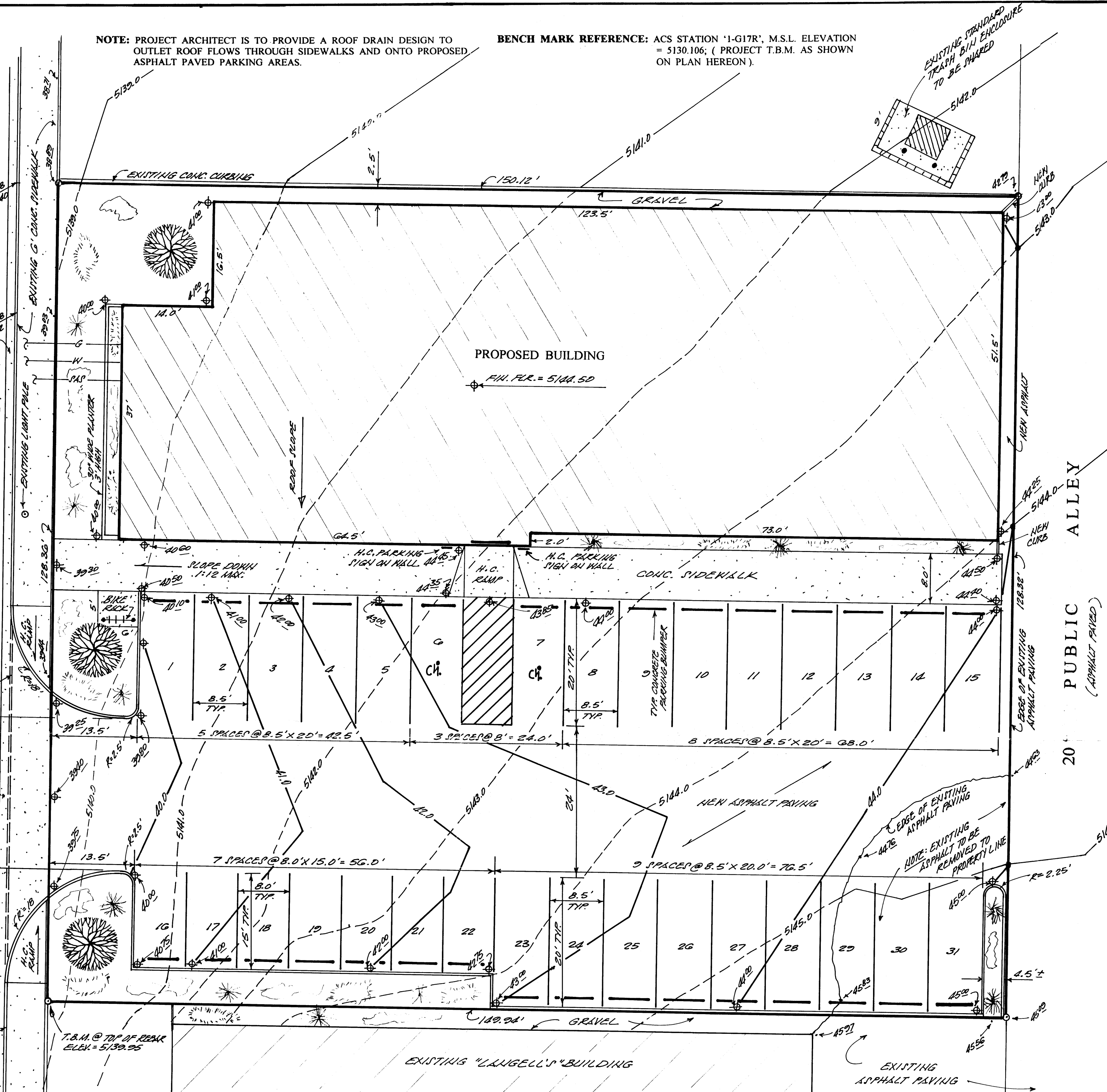
GENERAL NOTES:

- 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.

LEGAL DESCRIPTION: TRACTS 'A-1' & 'A-2', HAYES ADDITION, (BEING REPLATTED AND CONSOLIDATED INTO ONE PARCEL), ALBUQUERQUE, NEW MEXICO.



CARLISLE BLVD. N.E.
(2000')



LANDSCAPE NOTES :

- LANDSCAPING SHALL BE PER "PLANTING RESTRICTIONS APPROACH":
MEDIUM AND LOW WATER USE TREES/PLANTS 80% (MINIMUM) OF LANDSCAPED AREA.
WATER REQUIREMENTS: (H) = HIGH, (M) = MEDIUM, (L) = LOW. NOTED ON SCHEDULE IS PER ALBUQUERQUE PLANT LIST
- GENERAL:**
LANDSCAPED AREAS: SHALL BE PREPARED WITH REQUIRED AND SUITABLE AMENDMENTS FOR PLANTING AND MAINTAINING SOD, TREES, SHRUBS, ETC. EXCAVATE TO NATURAL SUBSOIL LEVEL. FILL WITH CLEAN SUBSOIL AND 4" TOPSOIL (MINIMUM) CONTAINING HUMUS, (FREE OF DEBRIS, WEEDS, FIELD GRASSES, ETC.)
- TREES:** SHALL BE 2" O CALIPER (MINIMUM) AT 2' ABOVE GROUND AND SHALL BE 10'-0" (MINIMUM) IN HEIGHT
- PLANTS / SHRUBS:** SHALL BE 5 GALLON (MINIMUM)
- GROUND COVER :** SHALL BE ESTABLISHED WITHIN ONE (1) YEAR OF PLANTING (MAXIMUM) SOD, PLANTINGS, SHREDDED BARK, RIVER-RUN GRAVEL SHALL BE OVER SOIL TREATED FOR WEED CONTROL.

IRRIGATION : UNDERGROUND SPRINKLER AND DRIP SYSTEM AS FOLLOWS (CONTRACTOR SHALL SUBMIT PLAN AND SPECIFICATIONS FOR SYSTEM PROPOSED).

VALVE BOXES
PRESSURE LINES: SCHEDULE 40 PVC
LATERAL AND DISTRIBUTION LINES: CLASS 200 PVC
HEADS: POP-UP TYPE INSTALLED IN LAWN AREAS
CONTROL WIRE: SOLID COPPER, UL APPROVED

NOTE: OWNER SHALL MAINTAIN LANDSCAPING.

NOTE: LANDSCAPING PLAN SHALL BE IN COMPLIANCE WITH THE CITY OF ALBUQUERQUE WATER CONSERVATION, POLLUTION, AND WASTE WATER ORDINANCE.

LEGEND:
ARIZONA ASH =
ARTEMISIA CANA (SILVER CHAGE) =
YUCCA PENDULA =
PURPLE TOE PLANT =
* GRAVEL MULCH (3/4" SANDY PE-BROWN) GROUND COVER

FIGURE A-1

TABLE A-10. PEAK INTENSITY (IN/H.R. AT $t_c = 0.2$ HOUR)

Zone	Intensity	100-YR (2-YR, 10-YR)
1	4.75	[1.98, 3.14]
2	6.05	[2.04, 3.41]
3	5.29	[1.87, 3.07]
4	4.61	[1.59, 2.63]

TABLE A-11. PRECIPITATION ZONES

Zone	Location
1	West of the Rio Grande
2	Between the Rio Grande and San Mateo
3	Between San Mateo and Candelaria, North of Interstate 40; and between San Mateo and the East boundary of Range 4 East, South of Interstate 40
4	East of Candelaria, North of Interstate 40; and East of the East boundary of Range 4 East, South of Interstate 40

TABLE A-1. PEAK DISCHARGE (cfs/acre)

Zone	A	B	C	D
1	1.20	1.20	2.87	1.27
	[0.00, 0.24]	[0.00, 0.79]	[0.47, 1.49]	[1.06, 2.89]
2	1.28	2.28	3.14	4.70
	[0.00, 0.28]	[0.00, 0.85]	[0.00, 1.71]	[1.86, 3.14]
3	1.87	2.80	3.41	4.00
	[0.00, 0.58]	[0.21, 1.19]	[0.76, 2.00]	[2.04, 3.20]
4	2.20	2.80	3.73	5.25
	[0.00, 0.87]	[0.36, 1.46]	[1.00, 2.28]	[2.17, 3.87]

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. Cretaceous. Unfilled areas.
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 (green 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-11. PRECIPITATION ZONES

Zone	Location
1	West of the Rio Grande
2	Between the Rio Grande and San Mateo
3	Between San Mateo and Candelaria, North of Interstate 40; and between San Mateo and the East boundary of Range 4 East, South of Interstate 40
4	East of Candelaria, North of Interstate 40; and East of the East boundary of Range 4 East, South of Interstate 40

DRAINAGE COMMENTS:

AS SHOWN ON THE VICINITY MAP HEREON, THE SUBJECT SITE IS LOCATED AT THE APPROXIMATE SOUTHEAST CORNER OF THE INTERSECTION OF CARLISLE BLVD. N.E. AND CANDELARIA ROAD N.E., IN THE CITY OF ALBUQUERQUE, NEW MEXICO, (CITY ZONE ATLAS 'H-17-Z').

THE SUBJECT SITE IS PRESENTLY AN UNDEVELOPED 'C-1' ZONED INFILL PROPERTY THAT IS TO HAVE A COMMERCIAL FACILITY CONSTRUCTED THEREON, TOGETHER WITH ALL ASSOCIATED IMPROVEMENTS.

THE SUBJECT SITE, 1.) DOES NOT LIE WITHIN A DESIGNATED FLOODPLAIN (RE: F.E.M.A. PANEL 351 OF 825 SHOWN HEREON); 2.) DOES NOT ACCEPT OFFSITE FLOWS FROM ADJACENT PROPERTIES; 3.) DOES NOT CONTRIBUTE TO THE OFFSITE FLOWS OF ADJACENT PROPERTIES; 4.) DOES NOT LIE ADJACENT TO AN ARTIFICIAL OR NATURAL WATER COURSE; 5.) IS ALLOWED TO FREE DISCHARGE THE DEVELOPED FLOWS FROM SAID PROPERTY; SAID DISCHARGE OF DEVELOPED FLOWS WILL NOT HAVE AN ADVERSE AFFECT TO DOWNSTREAM PROPERTIES.

CALCULATIONS:

PER SECTION 22.2, HYDROLOGY OF THE DEVELOPMENT PROCESS MANUAL, VOLUME 2, DESIGN CRITERIA FOR THE CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO.

SITE AREA: 0.44 ACRE
PRECIPITATION ZONE: TWO (2)
PEAK INTENSITY: IN/H.R. AT t_c = TWELVE (12) MINUTES, 100 YR/6 HR. = 5.05
LAND TREATMENT FOR CALCULATION OF "Qp", TABLES 'A-8' & 'A-9'
LAND TREATMENT FACTORS, TABLE 'A-4'.

EXISTING CONDITIONS:

TREATMENT	AREA/ACRES	FACTOR	CFS
C	0.44	X 3.14	= 1.38

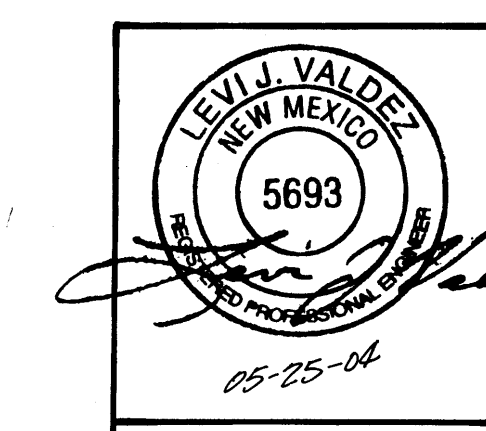
'Qp' = 1.38 CFS

PROPOSED DEVELOPED CONDITIONS:

TREATMENT	AREA/ACRES	FACTOR	CFS
C	0.05	X 3.14	= 0.16
D	0.39	X 4.70	= 1.83

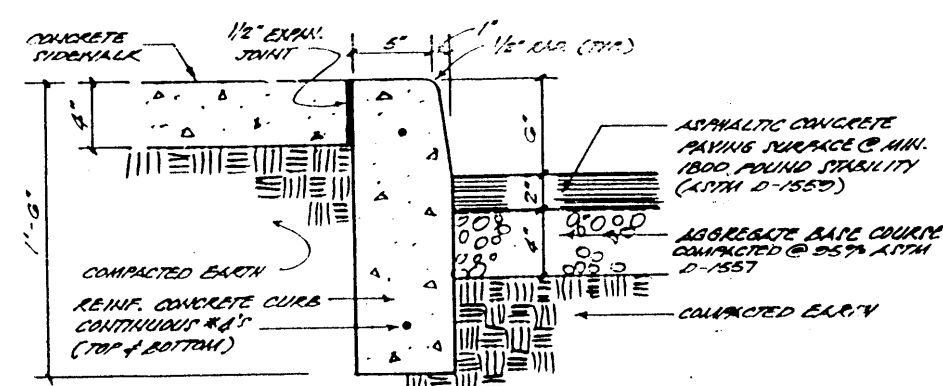
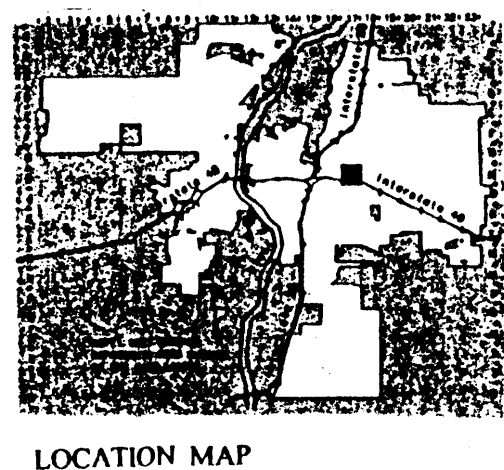
'Qp' = 1.99 CFS ***** INCREASE = 0.61 CFS

BUILDING AREA = 6,994.0 SQ. FT.
PARKING RATIO = 1 SPACE/200 SQ. BLDG.
PARKING REQ. = 35 SPACES (MINUS 10% RATIO) = 31
PARKING PROVIDED = 31 SPACES



**A PROPOSED
GRADING / DRAINAGE & SITE PLAN
FOR
ARCHERY SHOPPE
(CARLISLE BLVD. N.E.)
ALBUQUERQUE, NEW MEXICO
MAY, 2004**

Rev MAY 25 2004



EXISTING OR PROPOSED CONCRETE

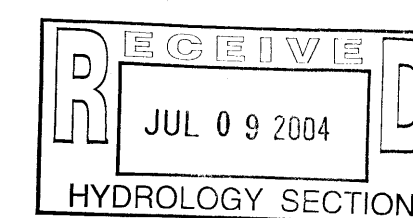
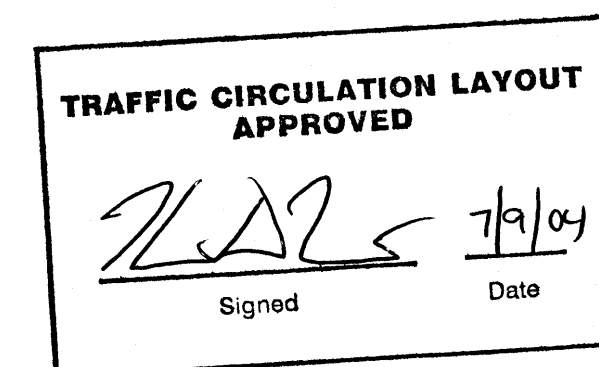
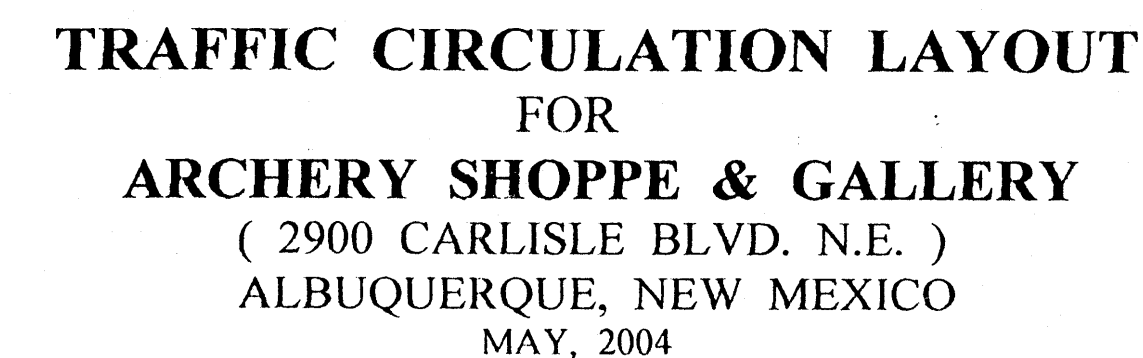
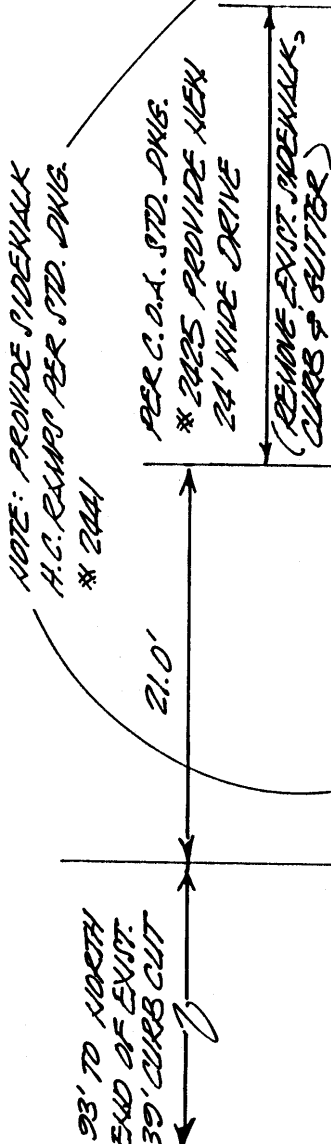




Table 1. *Continued*

LEGEND:

TOP OF CURB ELEVATION = $70 = 39.27$

CURB FLOWLINE ELEVATION = $6 = 36.02$

EXISTING SPOT ELEVATION = 40.2

EXISTING CONTOUR ELEVATION = 541.0

PROPOSED SPOT ELEVATION = 39.0

PROPOSED CONTOUR ELEVATION = 41.0

PROPOSED OR EXISTING CONCRETE SURFACE = 

EXISTING FENCE LINE = 41.4

GENERAL NOTES:

- 1) NO PERIMETER BOUNDARY CORNERS HAVE BEEN FIELD ESTABLISHED FOR THE SURVEY OF THE SUBJECT PROPERTY.
- 2) NO SEARCH HAS BEEN MADE FOR EASEMENTS OF RECORD OTHER THAN SHOWN HEREIN.

LEGAL DESCRIPTION: TRACTS 'A-1' & 'A-2', HAYES ADDITION, (BEING INFLATED AND CONSOLIDATED INTO ONE PARCEL), ALBUQUERQUE, NEW MEXICO.

BENCH MARK REFERENCE: ACS STATION '1-G17R', M.S.L. ELEVATION
= 5130.106; (PROJECT T.B.M. AS SHOWN
ON PLAN HEREON).



1. LANDSCAPING SHALL BE PER "PLANTING RESTRICTIONS APPROACH":
- MEDIUM AND LOW WATER USE TREES/PLANTS 80% (MINIMUM) OF LANDSCAPED AREA:
WATER REQUIREMENTS: (H) = HIGH, (M) = MEDIUM, (L) = LOW. NOTED ON SCHEDULE IS PER ALBUQUERQUE PLANT LIST
2. GENERAL:
- LANDSCAPED AREAS: SHALL BE PREPARED WITH REQUIRED AND SUITABLE AMENDMENTS FOR PLANTING AND MAINTAINING SOD, TREES, SHRUBS, ETC. EXCAVATE TO NATURAL SUBSOIL LEVEL: FILL WITH CLEAN SUBSOIL AND 4" TOPSOIL (MINIMUM) CONTAINING HUMUS, (FREE OF DEBRIS, WEEDS, FIELD GRASSES, ETC.)
- TREES: SHALL BE 2" O CALIPER (MINIMUM) AT 2' ABOVE GROUND AND SHALL BE 10'-0" (MINIMUM) IN HEIGHT.
- PLANTS / SHRUBS: SHALL BE 5 GALLON (MINIMUM).
- GROUND COVER: SHALL BE ESTABLISHED WITHIN ONE (1) YEAR OF PLANTING (MAXIMUM). SOD, PLANTINGS, SHREDDED BARK, RIVER-RUN GRAVEL SHALL BE OVER SOIL TREATED FOR WEED CONTROL.

NOTE: OWNER SHALL MAINTAIN LANDSCAPING

NOTE: LANDSCAPING PLAN SHALL BE IN COMPLIANCE WITH THE CITY OF ALBUQUERQUE WATER CONSERVATION, POLLUTION, AND WASTE WATER ORDINANCE.

LEGEND:

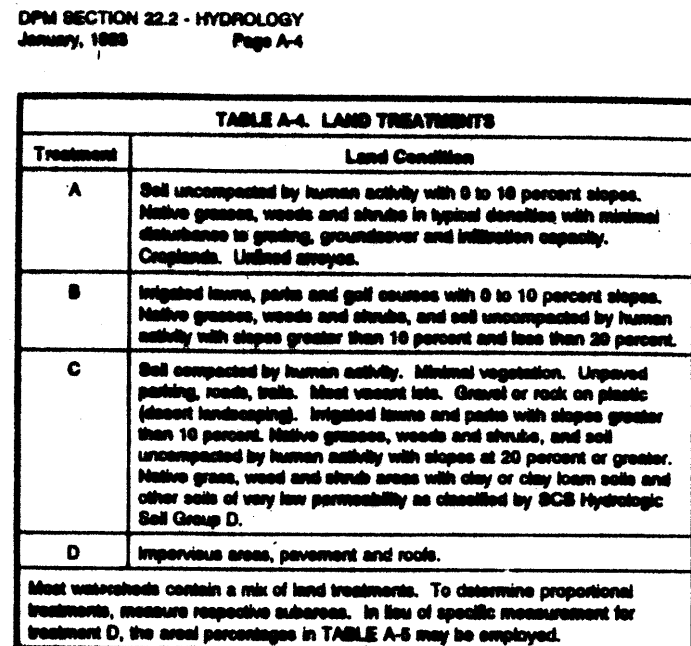
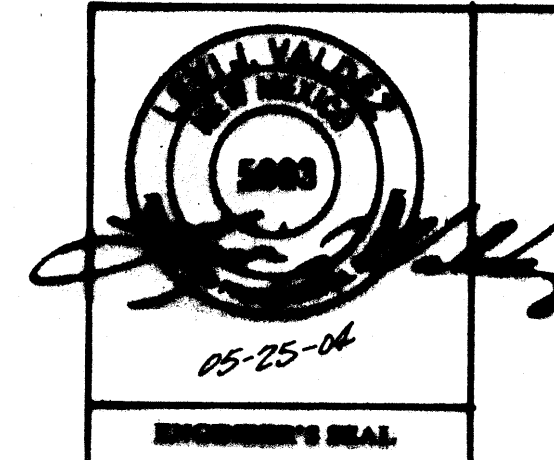
ARIZONA ASH = 

ARTEMISIA CANA (SILVER CHUG) = 

YUCCA PENDULA = 

PURPLE ICEPLANT = 

* GRAVEL MOUND (3/4" SAND & GRAVEL)
GRAVEL COVER



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 4 Middle and the East boundary of Plungo 4 East, South of Interstate 40
4	East of Eubank, North of Interstate 40; and East of the East boundary of Plungo 4 East, South of Interstate 40

THE SUBJECT SITE, 1.) DOES NOT LIE WITHIN A DESIGNATED FLOODPLAIN (RE: F.E.M.A. PLAN 351 OF 825 SHOWN HEREON), 2.) DOES NOT ACCEPT OFFSITE FLOWS FROM ADJACENT PROPERTIES, 3.) DOES NOT CONTRIBUTE TO THE OFFSITE FLOWS OF ADJACENT PROPERTIES, 4.) DOES NOT LIE ADJACENT TO AN ARTIFICIAL OR NATURAL WATER COURSE, 5.) IS ALLOWED TO FREE DISCHARGE THE DEVELOPED FLOWS FROM SAID PROPERTY; SAID DISCHARGE OF DEVELOPED FLOWS WILL NOT HAVE AN ADVERSE AFFECT TO DOWNSTREAM PROPERTIES.

PER SECTION 22.2, HYDROLOGY OF THE DEVELOPMENT PROCESS MANUAL, VOLUME 2., DESIGN CRITERIA FOR THE CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO

SITE AREA: 0.44 ACRE
PRECIPITATION ZONE: TWO (2)
PEAK INTENSITY: IN/HR. AT Tc = TWELVE (12) MINUTES, 100 YR./6 HR. = 5.05
LAND TREATMENT FOR CALCULATION OF "Qp", TABLES 'A-8' & 'A-9'
LAND TREATMENT FACTORS, TABLE 'A-4'.

<u>TREATMENT</u>	<u>AREA/ACRES</u>	<u>FACTOR</u>	<u>CFS</u>
C	0.44	X	3.14 = 1.38

'Qp' = 1.38 CFS

PROPOSED DEVELOPED CONDITIONS:

<u>TREATMENT</u>	<u>AREA/ACRES</u>		<u>FACTOR</u>	<u>CFS</u>
C	0.05	X	3.14	= 0.16
D	0.39	X	4.70	= 1.83

'Qp' = 1.99 CFS ***** INCREASE = 0.61 CFS

DRAINAGE CERTIFICATION

I, DEVI J. VALDEZ, NMPE 5623, of the firm _____, hereby certify that this project has been graded and will drain in substantial compliance with and in accordance with the design intent of the approved plan dated 08-12-83. The record information edited onto the original design document has been obtained by DAN HARDE, NMPS _____, of the firm MARSH ENGINEERING. I further certify that I have personally visited the project site on 10-01-85 and have determined by visual inspection that the survey data provided is representative of actual site conditions and is true and correct to the best of my knowledge and belief. This certification is submitted in support of a request for Certification of Occupancy.

The record information presented hereon is not necessarily complete and intended only to verify substantial compliance of the grading and drainage aspects of this project. Those relying on this record document are advised to obtain independent verification of its accuracy before using it for any other purpose.

LEVI J. VAL
NEW MEXICO
12-02-
5000

12-02-05
Date

**A PROPOSED
GRADING / DRAINAGE & SITE PLAN
FOR
ARCHERY SHOPPE
(CARLISLE BLVD. N.E.)
ALBUQUERQUE, NEW MEXICO
MAY, 2004**