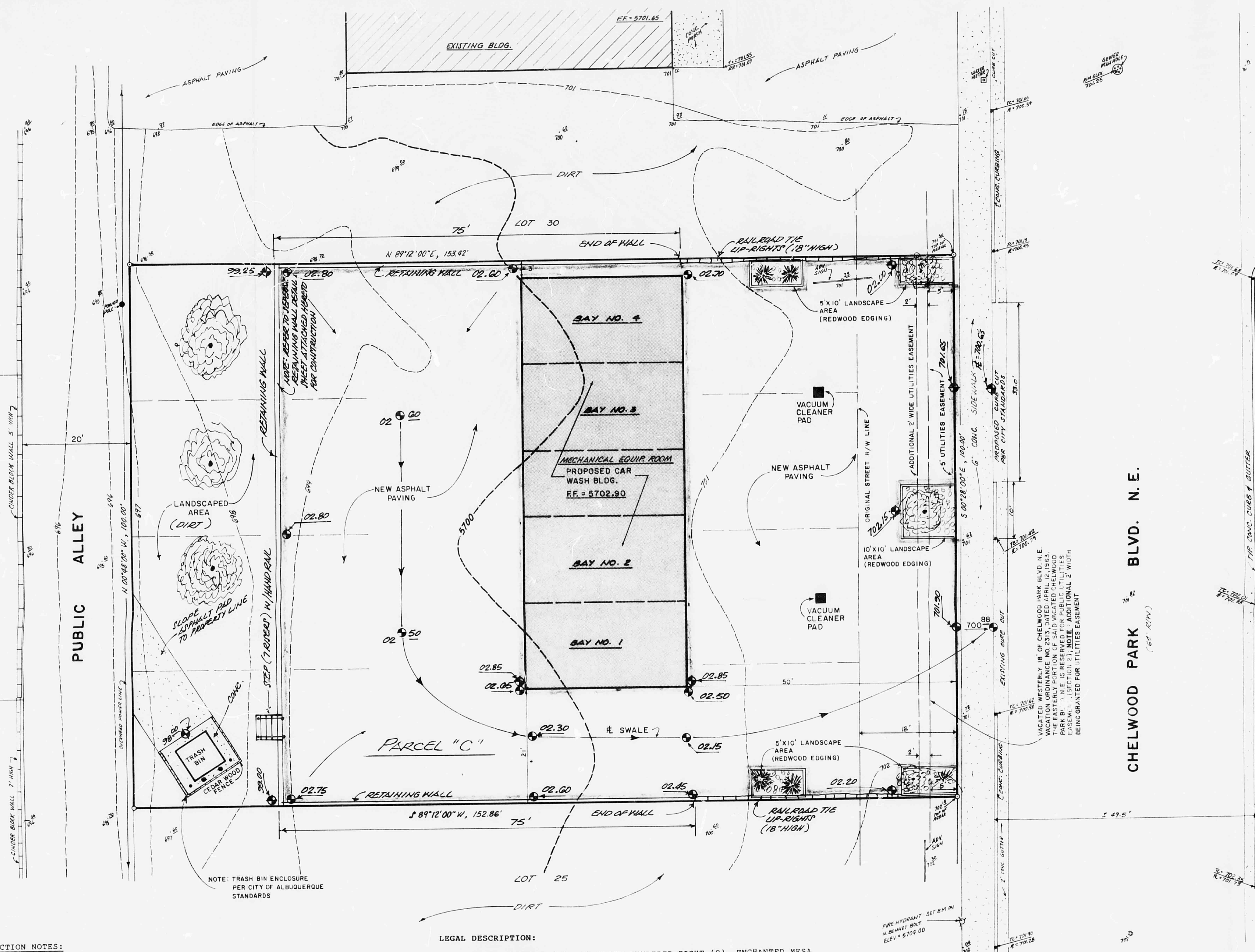


SCALE: 1"=10'



CONSTRUCTION NOTES:

- 1.) TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE AT 765-1234 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.

LEGAL DESCRIPTION:

PARCEL LETTERED "C", IN BLOCK NUMBERED EIGHT (8), ENCHANTED MESA SUBDIVISION, A SUBDIVISION TO THE CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO, AS THE SAME IS SHOWN AND DESIGNATED ON THE PLAT OF SAID SUBDIVISION FILED IN THE OFFICE OF THE COUNTY CLERK OF BERNALILLO COUNTY, NEW MEXICO, ON FEBRUARY 2, 1987.

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 BROOD FROM THE SITE AND DEPOSITED THERE.

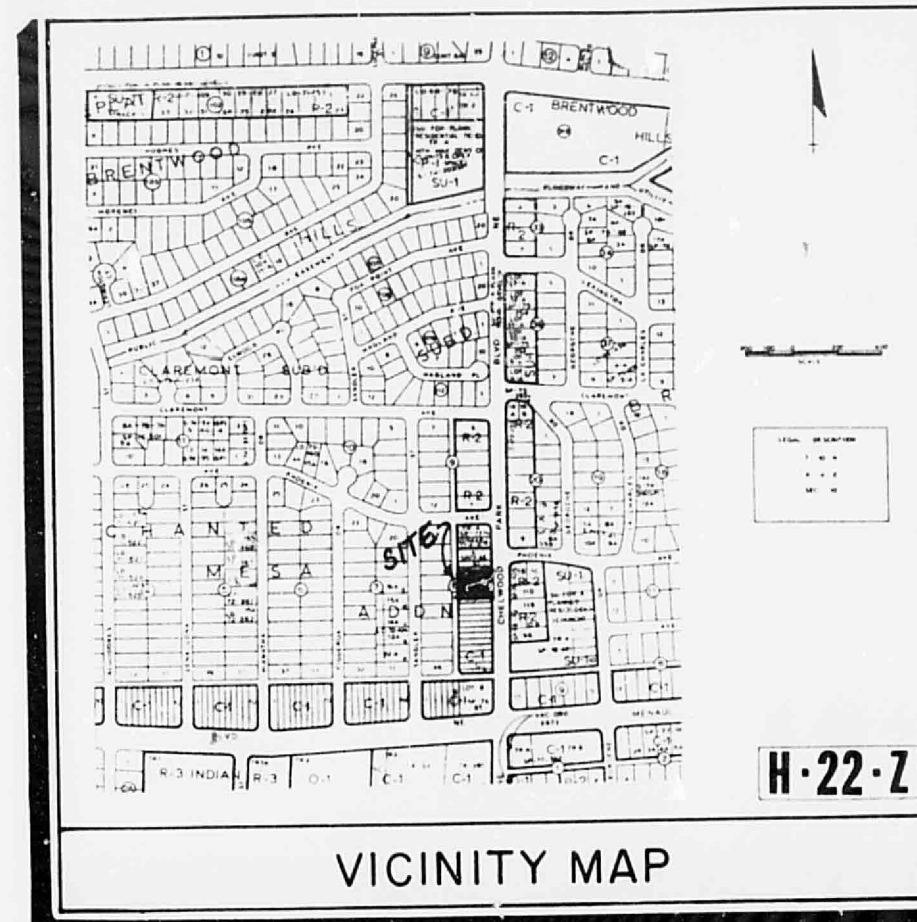
GENERAL NOTES:

- 1.) NO SEARCH HAS BEEN MADE FOR EASEMENTS OF RECORD WITHIN THE SUBJECT SITE OTHER THAN SHOWN ON THE MAP HEREON AND PLAT OF RECORD.
- 2.) SEE ARCHITECTURAL SITE PLAN FOR PARKING AREA AND BUILDING LOCATION DIMENSIONS FOR FIELD LAYOUTS.
- 3.) ALL SURFACE FLOW RUNOFF FROM THE DEVELOPED SUBJECT SITE WILL BE FREE DISCHARGED THROUGH THE EXISTING OR PROPOSED DRIVEPADS AND INTO CHELWOOD PARK BLVD. N.E.

(DATE: 02-13-87)



GRADING AND DRAINAGE PLAN
FOR
BUTCH UHER'S CAR WASH
CHELWOOD PARK BLVD. N.E.
ALBUQUERQUE, NEW MEXICO



DRAINAGE COMMENTS:

THE FOLLOWING ITEMS CONCERNING THE SUBJECT SITE ARE CONTAINED ON THE GRADING AND DRAINAGE PLAN AS SHOWN HEREON:

- 1.) SITE GRADING AND DRAINAGE PLAN
- 2.) VICINITY MAP
- 3.) LEGAL DESCRIPTION
- 4.) LIMITS AND CHARACTER OF THE EXISTING AND PROPOSED IMPROVEMENTS
- 5.) HYDRAULIC DRAINAGE CALCULATIONS

AS SHOWN ON THE VICINITY MAP HEREON, THE SUBJECT SITE IS LOCATED ON THE WEST SIDE OF CHELWOOD PARK BLVD. N.E., BETWEEN MENAUL BLVD. N.E. AND CANDELARIA ROAD N.E., WITHIN THE CITY LIMITS OF THE CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO; PRESENTLY, THE SUBJECT SITE IS TOTALLY UNDEVELOPED.

THE PROJECT SITE, (1.) IS ENCLOSED BY A FLOOD PLAIN, (2.) DOES NOT LIE ADJACENT TO A NATURAL OR ARTIFICIAL WATER COURSE, (3.) HAS NO DRAINAGE EASEMENTS ON THE PROPERTY, (4.) DOES NOT ACCEPT OR CONTRIBUTE TO OPPOSITE FLOWS OF ADJACENT PROPERTIES.

BASED ON A SITE INVESTIGATION, IT HAS BEEN DETERMINED THAT THE FREE DISCHARGE OF THE SURFACE FLOWS OF BOTH THE EXISTING AND PROPOSED QUANTITIES HAVE NO ADVERSE AFFECT ON DOWNSTREAM PROPERTIES.

DRAINAGE CALCULATIONS:

I. REFERENCES:

- A. CITY OF ALBUQUERQUE DEVELOPMENT PROCESS MANUAL (DPM), VOLUME 2, DESIGN CRITERIA, CHAPTER 22, DRAINAGE, FLOOD CONTROL AND EROSION CONTROL.
- B. SOIL SURVEY OF BERNALILLO COUNTY AND PARTS OF SANDOVAL AND VALENCIA COUNTIES, NEW MEXICO, UNITED STATES DEPARTMENT OF AGRICULTURE, SOIL CONSERVATION SERVICE.

II. GENERAL INFORMATION:

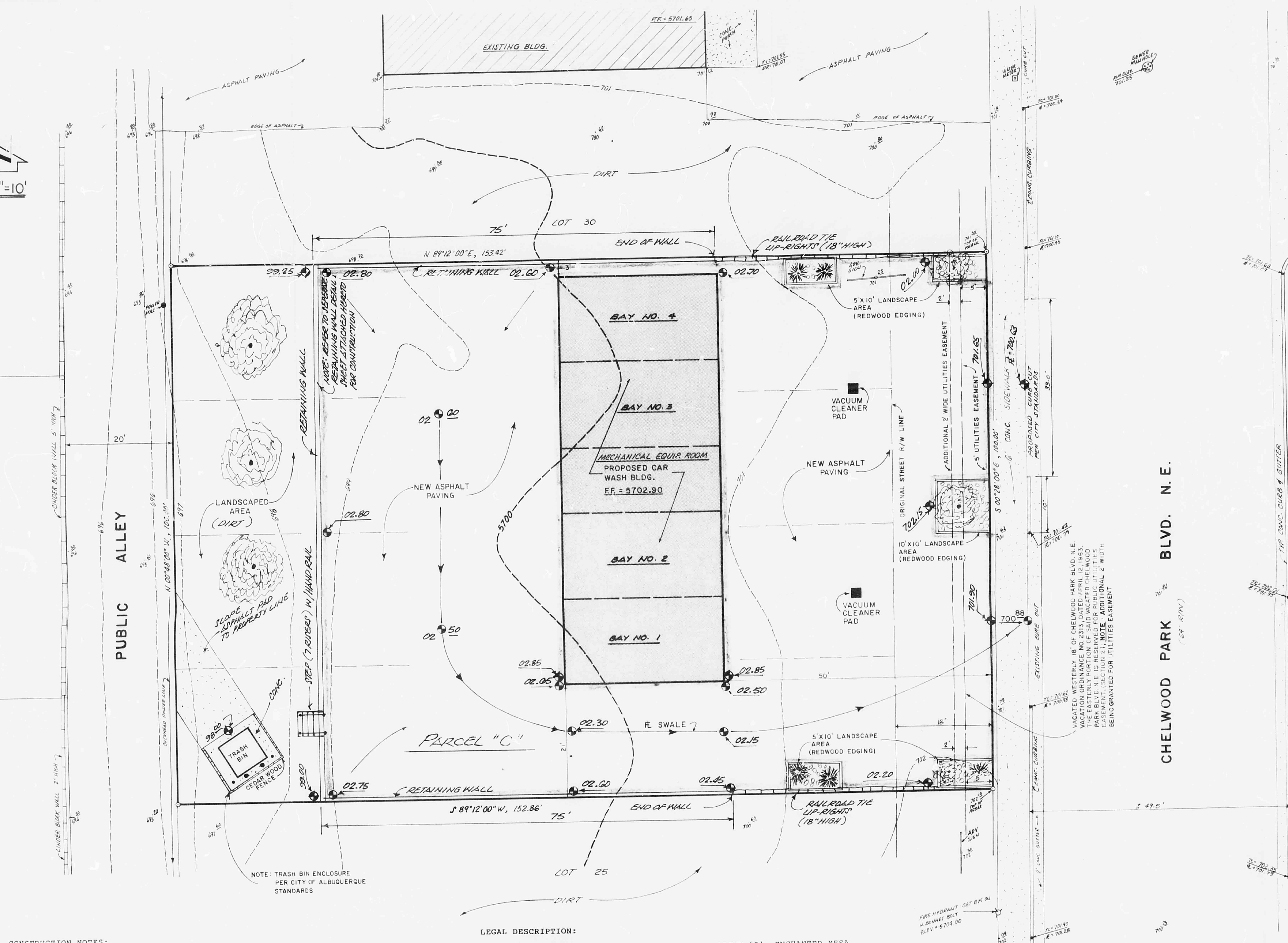
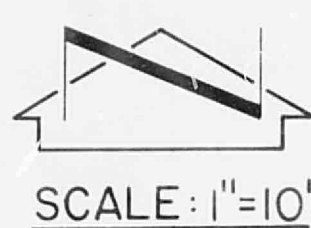
- A. SOIL TYPE IS ETC. (EMBUDO-TIJERAS COMPLEX, 0 TO 9 PERCENT SLOPES), HYDROLOGIC SOIL GROUP "B".
- B. IMPERVIOUSNESS:
SITE IS PRESENTLY UNDEVELOPED, (0% IMPERVIOUS).
SITE AREA = 0.352 ACRE, (15,314.0 SQ. FT.)
PRESENT UNDEVELOPED "C" FACTOR = 0.40
- C. TYPE OF SURFACE (DEVELOPED):
HARD SURFACED (ASPHALT/CONCRETE) = 0.228 AC. = 65% X (C=0.95) = 0.62
BUILDING ROOF AREA = 0.052 AC. = 15% X (C=0.90) = 0.14
LANDSCAPE AREA = 0.071 AC. = 20% X (C=0.25) = 0.05
AVERAGE (WEIGHTED) "C" = 0.81

III. PEAK DISCHARGE: (Q = CIA)

UNDEVELOPED:	$Q_{100} = 0.40 (5.28) (0.352) = 0.74 \text{ cfs}$
	$Q_{10} = 0.657 \times 0.74 = 0.49 \text{ cfs}$
DEVELOPED:	$Q_{100} = 0.81 (5.28) (0.352) = 1.51 \text{ cfs}$
	$Q_{10} = 0.657 \times 1.51 = 0.99 \text{ cfs}$

LEGEND:

- 701.50 = TOP OF CURB ELEVATION
- 701.25 = CURB FINISH ELEVATION
- 701.00 = EXISTING OR PROPOSED CONCRETE
- 701.00 = EXISTING CONTOUR
- 701.00 = PROPOSED CONTOUR
- 701.85 = EXISTING FENCE
- 701.85 = PROPOSED FENCE ELEVATION
- 701.85 = PROPOSED LIMIT OF NEW PAVING



CONSTRUCTION NOTES:

- 1.) TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE AT 765-1234 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.

LEGAL DESCRIPTION:

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- 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.

GENERAL NOTES:

- 1.) NO SEARCH HAS BEEN MADE FOR EASEMENTS OF RECORD WITHIN THE SUBJECT SITE OTHER THAN SHOWN ON THE MAP HEREON AND PLAT OF RECORD.
- 2.) SEE ARCHITECTURAL SITE PLAN FOR PARKING AREA AND BUILDING LOCATION DIMENSIONS FOR FIELD LAYOUTS.
- 3.) ALL SURFACE FLOW RUNOFF FROM THE DEVELOPED SUBJECT SITE WILL BE FREE DISCHARGED TO THE EXISTING OR PROPOSED DRIVEPADS AND INTO CHELWOOD PARK BLVD. N.E.

(DATE: 02-13-87)



GRADING AND DRAINAGE PLAN
FOR
BUTCH UHER'S CAR WASH
CHELWOOD PARK BLVD. N.E.
ALBUQUERQUE, NEW MEXICO



DRAINAGE COMMENTS:

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- 1.) SITE GRADING AND DRAINAGE PLAN
- 2.) VICINITY MAP
- 3.) LEGAL DESCRIPTION
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- 5.) HYDRAULIC DRAINAGE CALCULATIONS

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BASED ON A SITE INVESTIGATION, IT HAS BEEN DETERMINED THAT THE FREE DISCHARGE OF THE SURFACE FLOWS OF BOTH THE EXISTING AND PROPOSED QUANTITIES HAVE NO ADVERSE AFFECT ON DOWNSIDE PROPERTIES.

DRAINAGE CALCULATIONS:

I. REFERENCES:

- A. CITY OF ALBUQUERQUE DEVELOPMENT PROCESS MANUAL (DPM), VOLUME 2, DESIGN CRITERIA, CHAPTER 22, DRAINAGE, FLOOD CONTROL AND EROSION CONTROL.
- B. SOIL SURVEY OF BERNALILLO COUNTY AND PARTS OF SANDOVAL AND VALENCIA COUNTIES, NEW MEXICO, UNITED STATES DEPARTMENT OF AGRICULTURE, SOIL CONSERVATION SERVICE.

II. GENERAL INFORMATION:

- A. SOIL TYPE IS ETC. (EMBUDO-TIJERAS COMPLEX, 0 TO 9 PERCENT SLOPES), HYDROLOGIC SOIL GROUP "B".
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AVERAGE (WEIGHTED) "C" = 0.81

III. PEAK DISCHARGE: (Q = CIA)

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DEVELOPED: $Q_{100} = 0.81 (5.28) (0.352) = 1.51 \text{ cfs}$
 $Q_{10} = 0.657 \times 1.51 = 0.99 \text{ cfs}$

LEGEND:

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701.00 = EXISTING OR PROPOSED CONCRETE
701.00 = EXISTING CONTOUR
700.00 = PROPOSED CONTOUR
702.85 = EXISTING PAVES
702.85 = PROPOSED PAVES
702.85 = PROPOSED LIMIT OF NEW PAVES