

EXISTING MOBILE HOME PARK

5" THICK CONC. PAVING (SEE PAVING DETAIL)

LANDSCAPE

NOTE: REMOVE EXIST-

CIRCULAR STEP.

ING CONCRETE

1× 503 77 : 503 -

CELITRAL

100.00

A" COKE.

- — —) NOTE: MATCH NEW

F. F.= 5503.80

EXISTING BUILDING

"LITILITY SHACK" F.F. = 5504.85

PROJECT BENCH

CANDSCAPED LREA

(EXISTING)

AVENUE

SLOPE

50455 A EXISTING CONC. F 50477

PAYING TO

EXISTING PAVING &

SEE DETXIL

MOTE: VACATED PORTION OF LININ AVE. N.E. (V.O. *117-1971)

EXISTING G'HIGH C.M.U. BLOCK WILL)

PE =50208

W/1.5X2.

EXISTING G'H

EXISTING BLOCK WALL

ASPHALT PAVING - OPENIA

AMERICAN LEGION POST Nº.49

FACILITIES

SLAPE

EXISTING

_ EXISTING

BLOCK WALL

LANDSCAPE.

50381 503G7)

(PARCEL "A"

CONSTRUCTION NOTES:

- 1.) TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE AT 765-1234 FOR LOCATION OF EXIST-ING 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 IND REGULATIONS CONCERNING CONSTRUCTION SAFETY AND HEALTH.
- 4.) ALL CONSTRUCTION WITHIN CITY RIGHT-OF-WAY SHALL BE FERFORMED IN ACCORDANCE WITH APPLICABLE CITY OF ALBUQUERQUE STANDARDS AND PRO-

EROSION CONTROL MEASURES:

THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR MANAGEMENT FOR STORM RUN-OFF DURING (ONSTRUCTION; HE SHALL INSURE THAT THE FOLLOWING MEASURES

- 1.) ADJACENT PROPERTY SHALL BE PROTECTED AT ALL TIMES BY CONSTRUCTION OF BERMS, DIKES, SWALES, PONDS, AND OTHER TEMPORARY GRADING AS RE-QUIRED 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 RUNOLF FROM THE SITE. NO SEDIM N. BEARING WATER SHALL BE PERMANNER TO ENTER PUBLIC STREETS.
- 3.) THE CONTRACTOR SHALL IMMEDIATELY AND THROUGHLY RELOVE ANY AND ALL SEDIMENT WITHIN PUBLIC STREETS THAT HAS BEEN ERODED FROM THE SITE

GENERAL NOTES:

- ..) NO I RIMETER BOUNDARY CORNERS HAVE BEEN FIELD ESTABLIFIED PER THIS SURVEY OF THE SUBJECT PROPERTY.
- 2.) NO . . . II HAS BEEN MADE FOR EASEMENTS OF RECORD WITHIN THE SUBJECT SITE OTHER THAN TIOSE SHOWN ON THE PLAT OF RECORD.
- 3.) REFER TO "ARCHITECTURAL SITE PLAN" FOR FIELD LAYOUT OF THE PROPOSED
- 4.) TOPOGRAPHY SURVEY OBTAINFD BY "TRANSIT-STADIA" METHOD.

NOTICE TO CONTRACTOR:

- !.) AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN CITY RIGHT-OF-WAY. AN APPROVED COPY OF THESE PLANS MUST BE SUBMITTED AT THE TIME OF APPLICATION FOR THIS PERMIT.
- 2.) ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED, EXCEPT AS OTHERWISE STATED OR PROVIDED HEREON, SHALL BE CONSTRUCTED IN ACCORDANCE WITH "CONTRACT DOCUMENTS FOR CITY WIDE UTILITIES AND CASH PAVING NO. 31".
- 3.) TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE (765-1234), FOR LOCATION OF EXISTING OF SURFACE AND SUBSURFACE UTILITIES.
- 4.) PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS; SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL SOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY FOR THE PROJECT.

LEGAL DESCRIPTION:

LOTS "8-A" & "9-A", IN BLOCK TWO (2), EAST CENTRAL BUSINESS ADDITION, ALBUQUERQUE, NEW MEXICO.

BENCH MARK REFERENCE:

USDA/NGS (1934), STATION "N.M. BER. 3, (L-21), M.S.L.D. ELEVATION = 5486.945; PROJECT BENCH MARK AS SHOWN ON THE PLAN HEREON.

LE CHD: T.C. = 503.27 £ = 502.65

-NOTE: REMOVE TREE(S)

WITHIN DRAINAGE AREA

= 7.4 cfs ±

EXISTING "C"= 0.75

ASPHALT PAVING A=1.89
I=5.28

DETERIORATED PORTION

RE-PAVED)

OF ASPHALT (TO BE

EXISTING

METAL BLOG.

(UNABLE TO OBTAIN

F.F. ELEVATION)

= TOP OF CURB ELEVATION - CURB FLOW LINE ELEVATION

* EXISTILIG AR PROPOSED COLICRETE ---- 503.0---- EXISTING CONTOUR

_________ = PROPOSED CONTOUR -x---x = EXISTING FENCE

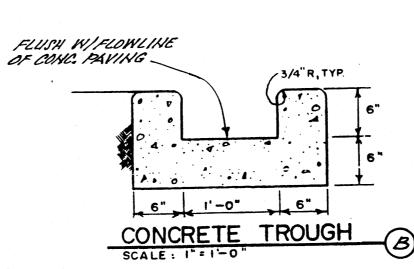
= PROPOSED SPOT ELEVATION PROPOSED LIMITS OF KEW PSYING

= EXISTING SPOT ELEVATION = ROOF DRAIN DOWNSPOUT

- MONOLITHIC POUR CURBING R=3/4" (4" THICKNESS @ DRAINAGE CHANNEL) " 5" THICK CONCRETE PAVING (PCC) W/GGIOID WWF, (12" EXPANSION JOINTS @ 15' GRIDS.

> - 8" SUBGRADE COMPACTED a 1.5% ASTM. D-1557

TYPICAL PAVEMENT SECTION (CONCRETE) SCALE : I" = 1'-0"



PAVEMENT (SEE DETAIL) 1/2" EXPANSION JOINT 0 36' O.C. PROVIDE I" DEEP CONTRACTION JOINT 6 6 0.C.

21/2" CLEAR G" *4 KEBURS@ ~ 1-0° 0.C. - DRAINIAGE CHANNEL ---5" CONG. PAVING (PCC) (WIDTH YARIES) (SEE PAVEMENT SECTION) A"CONC. PAVING (PCC) W/GGIOID WWF @MIDWAY B" COMPLETED SUBGRADE PER PAVING DETAIL SPEC.

> CHANNEL WALL NO SCALE

PAVING SECTIONS. b.) ADDITIONAL PARKING AREA LOCATED AT NORTH END OF SUBJECT SITE.

a.) ASPHALT PAVING SECTION TO CONCRETE

c.) REVISED DRAINAGE CALCULATIONS TO INCLUDE ADDITIONAL PARKING AREA.

NOTE: DRAINAGE PLAN REVISION(S): JULY 17, 1991

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 (EXISTING AND PROPOSED)
- 2.) VICINITY MAP
- 3.) LEGAL DESCRIPTION 4.) LIMITS AND CHARACTER OF THE EXISTING AND PROPOSED IMPROVEMENTS
- 5.) DRAINAGE CALCULATIONS

AS SHOWN ON THE VICINITY MAP HEREON THE SUBJECT SITE IS LOCATED ON THE NORTH SIDE OF CENTRAL AVENUE N.E. APPROXIMATELY 325.0' EAST OF ELIZABETH STREET N.E., ALBUQUERQUE, NEW MEXICO.

THE PROJECT SITE DOES NOT LIE WITHIN A FLOOD PLAIN; HOWEVER, ACCEPTS AND CONTRIBUTES OFF-SITE FLOWS OF AND TO ADJACENT PROPERTIES. THE SITE PRESENTLY HAS GRAVELED SURFACE OVER 3-MIL BLACK PLASTIC COVERING THROUGHOUT THE ENTIRE UNDEVELOPED AREA(S).

THE SUBJECT SITE IN THE FINISHED DEVELOPED CONDITION WILL CONTINUE TO ACCEPT AND CONTRIBUTE TO THE AFOREMENTIONED OFF-SITE FLOWS.

DRAINAGE CALCULATIONS:

SITE AREA = 50.0' X 330.0' = 33,000.0 SQ. FT. = 0.76 ACRE

RAINFALL R_6 (100 YR./6-HR.) = 2.5 INCHES

TIME OF CONCENTRATION = T_C = TEN (10) MINUTES FOR A SITE THIS SIZE

RAINFALL INTENSITY, "I" = $2.5 \times 6.84 \times (10)^{-0.51} = 5.28 \text{ in./Hr.}$

EXISTING DEVELOPED SITE:

= 4,250.0 S.F.ROOF AREA

LANDSCAPED AREA = 1,925.0 S.f.

PAVED/CONC. AREA = 1,645.0 S.F. GRAVELED AREA = 25,180.0 S.F.

 $C_r = \frac{4250.0 \times 0.90}{33,000.0} = 0.12$

 $C_L = \frac{1925.0 \times 0.25}{33,000.0} = 0.01$

 $0 = \frac{1645.0 \times 0.95}{33,000.0} = 0.05$

 $C_g = \frac{25180.0 \times 0.79}{33,000.0} = 0.53$ "C" = 0.71

 $Q_{100} = 0.71 \text{ x 5.28 x 0.76} = 2.85 \text{ cfs}$

 $v_{100} = 0.71 \text{ x } (2.5/12) \text{ x } 33,000.0 = 4,881.3 \text{ CU. FT.}$ PROPOSED DEVELOPED:

ROOF AREA = 5,690.0 S.f.

LANDSCAPED AREA = 8,200.0 S.F.

PAVED/CONC. AREA = 19,110.0 S.F.

 $c_r = \underline{5690.0 \times 0.90} = 0.16$

 $= 7000.0 \times 0.25 = 0.05$

33,000.0

33,000.0

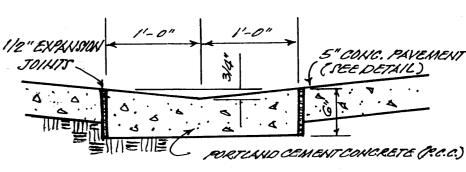
 $= \frac{20,310.0 \times 0.95}{33,000.0} = 0.58$

 $Q_{100} = 0.79 \text{ X } 5.28 \text{ X } 0.76 = 3.17 \text{ cfs}$

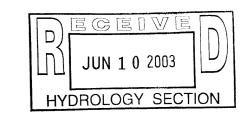
 $V_{100} = 0.79 \text{ X } (2.5/12) \text{ X } 33,000.0 = 5,431.3 \text{ CU. FT.}$

"C" = 0.79

INCREASE = 0.32 cfs550.0 CU. FT.



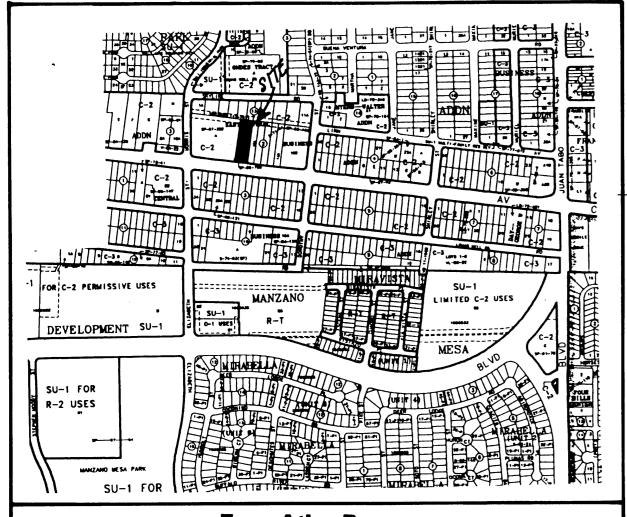
CONCRETE VALLEY GUITTER SCXLE: / "=/'-0"



REVISED GRADING AND DRAINAGE PLAN FOR A PROPOSED ADDITION TO THE "UTILITY SHACK" (11035 CENTRAL AVENUE, N.E.) ALBOQUERQUE, NEW MEXICO

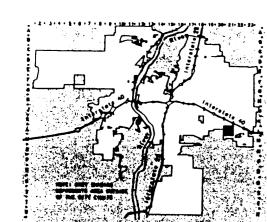
FEBRUARY, 1991 (REVISIONS: JULY, 1991)

ENGINEERS'SEAL



Zone Atlas Page

L-21-Z



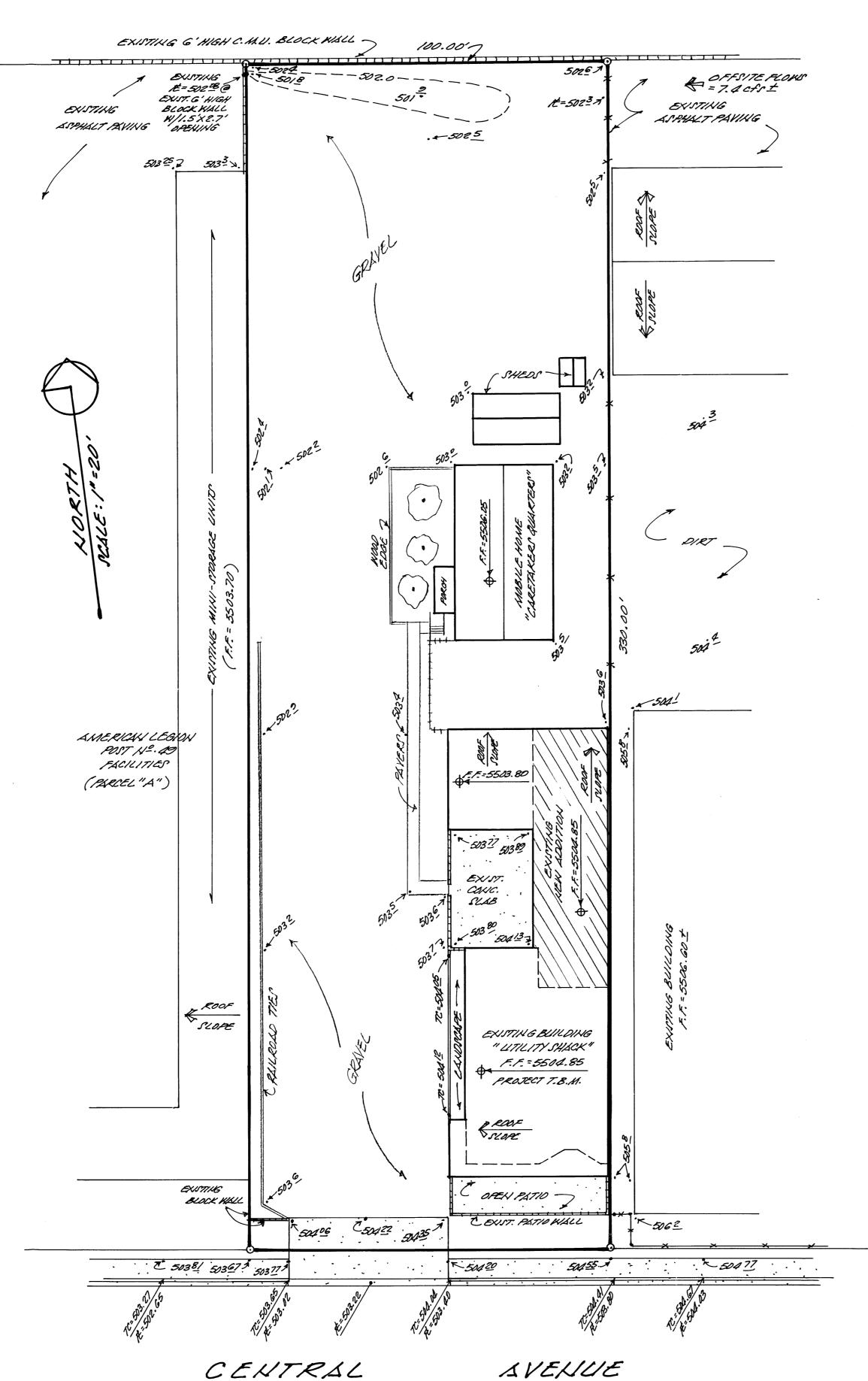
AREA MAP

LEGAL DESCRIPTION:

LOTS 8-A AND 9-A, IN BLOCK TWO (2), EAST CENTRAL BUSINESS ADDITION, ALBUQUERQUE, NEW MEXICO.

BENCH MARK REFERENCE:

USDA/NGS (1934), STATION "NM BERN. 3", (L-21), ELEVATION = 5486.945; PROJECT T.B.M. AS SHOWN ON THE PLAN HEREON.



DRAINAGE CERTIFICATION:

I, LEVI J. VALDEZ, N.M.P.E. NO. 5693, 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

ACCORDANCE WITH THE DESIGN INTENT OF THE APPROVED PLAN DATED

ACCORDANCE WITH THE DESIGN INTENT OF THE APPROVED PLAN DATED

ORIGINAL DESIGN DOCUMENT HAS BEEN OBTAINED BY ME OR UNDER MY

DIRECT SUPERVISION AND IS TRUE AND CORRECT TO THE BEST OF MY KNOW
LEDGE AND BELIEF. THIS CERTIFICATION IS SUBMITTED IN SUPPORT OF A RE
QUEST FOR PERMANENT CERTIFICATE OF OCCUPANCY

The paved parking area shown on the original approved plan was not paved, the existing area is all gravel surfaced.

THE RECORD INFORMATION PRESENTED HEREON IS NOT NECESSARILY COMPLETE AND INTENDED ONLY TO VERIFY SUBSTANTIAL COMPLIANCE OF THE GRADING 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 PURPOSES.

SEAL

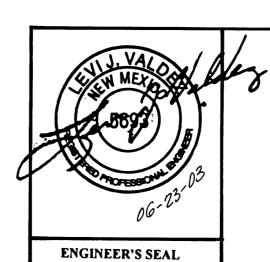
LEVI. VALDEZ, N.M.P.M. NO. 5692

06-23-03 DATE



HYDROLOGY SECTION

"AS-BUILT" CERTIFICATION



A DRAINAGE PLAN FOR A PROPOSED ADDITION TO "UTILITY SHACK" (11035 CENTRAL AVE. N. E.) ALBUQUERQUE, NEW MEXICO MAY, 2003