

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.

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.

GENERAL NOTES:

- 1.) NO PERIMETER BOUNDARY CORNERS HAVE BEEN FIELD ESTABLISHED PER THIS SURVEY OF THE SUBJECT PROPERTY.
- 2.) NO SEARCH HAS BEEN MADE FOR EASEMENTS OF RECORD WITHIN THE SUBJECT SITE OTHER THAN THOSE SHOWN ON THE PLAT OF RECORD.
- 3.) REFER TO "ARCHITECTURAL SITE PLAN" FOR FIELD LAYOUT OF THE PROPOSED IMPROVEMENTS.
- 4.) TOPOGRAPHY SURVEY OBTAINED BY "TRANSIT-STADIA" METHOD.

NOTICE TO CONTRACTOR:

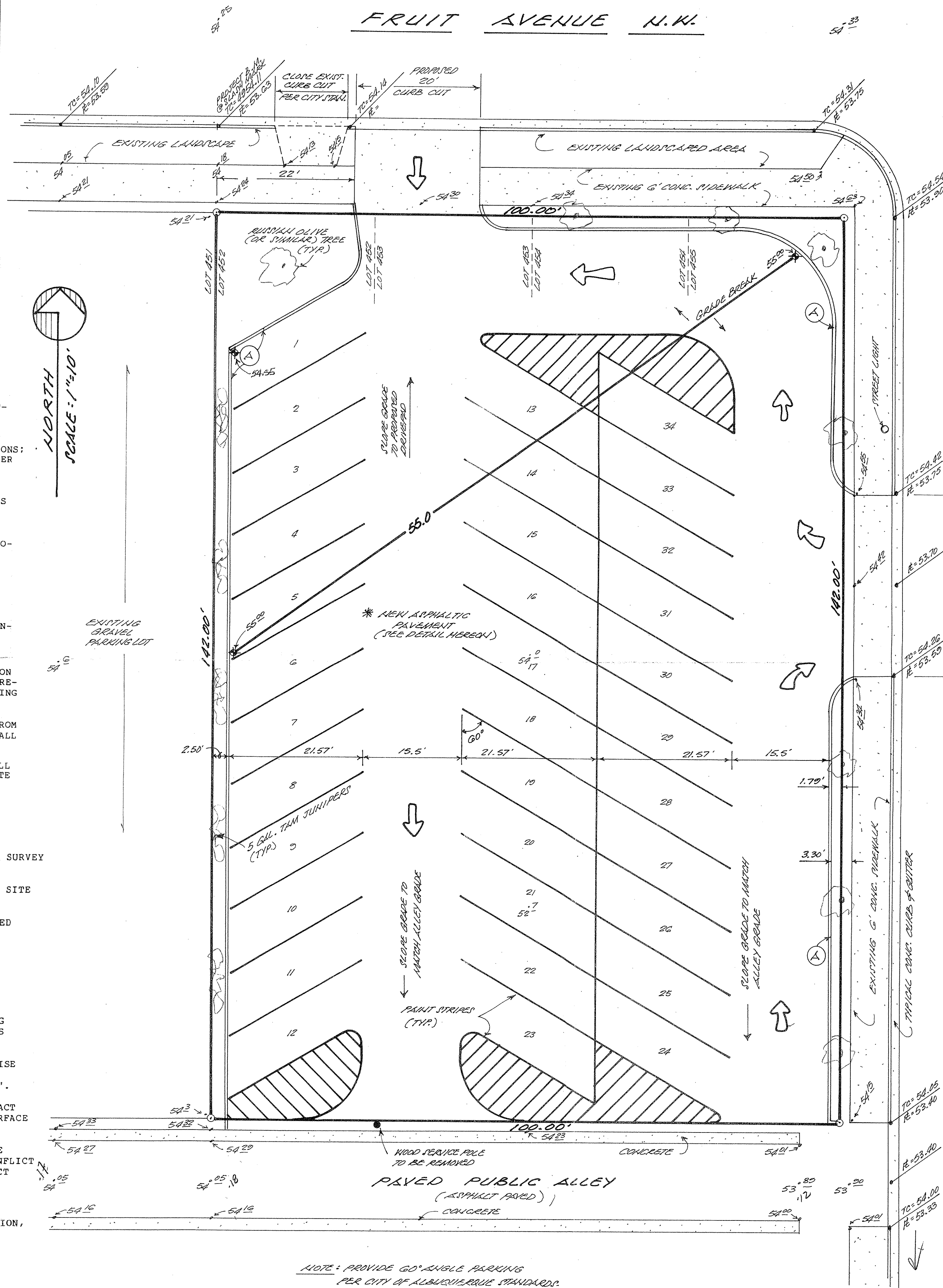
- 1.) AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN CITY RIGHT-OF-WAY. AN APPROVED COPY OF THESE PLANS MUST BE SUBMITTED AT THE TIME OF APPLICATION FOR THIS PERMIT.
- 2.) ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED, EXCEPT AS OTHERWISE STATED OR PROVIDED HEREON, 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 NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY FOR THE PROJECT.

LEGAL DESCRIPTION:

LOTS 452, 453, 454, AND 455, BLOCK 14, PERFECTO ARMIJO AND BROTHERS ADDITION, ALBUQUERQUE, NEW MEXICO.

BENCH MARK REFERENCE:

ACS STATION "4-J14", M.S.L.D. ELEVATION = 4954.015; PROJECT BENCH MARK AS SHOWN ON THE PLAN HEREON.



DRAINAGE COMMENTS:

AS SHOWN ON THE VICINITY MAP HEREON, THE SUBJECT SITE IS LOCATED AT THE SOUTHWEST INTERSECTION OF 5TH STREET N.W. AND FRUIT AVENUE N.W., IN THE CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO, (CITY ZONE ATLAS MAP "J-14-Z").

THE SUBJECT PROJECT SITE, (1.) DOES NOT LIE WITHIN A DESIGNATED FLOOD PLAIN, (F.E.M.A. PANEL 28 OF 50). (2.) DOES NOT LIE ADJACENT TO A NATURAL OR ARTIFICIAL WATER COURSE, (3.) HAS NO DRAINAGE EASEMENTS ON THE PROPERTY AT THE PRESENT TIME, (4.) DOES NOT CONTRIBUTE OR ACCEPTS OFFSITE FLOWS.

BASED ON A SITE INVESTIGATION, IT HAS BEEN DETERMINED THAT THE FREE DISCHARGE OF THE DEVELOPED SURFACE FLOWS OF THE PROPOSED IMPROVEMENTS WILL HAVE NO ADVERSE AFFECT TO DOWNSTREAM PROPERTIES.

DRAINAGE CALCULATIONS: (RATIONAL METHOD = Q_{100} = CIA)

SITE AREA = $100.0' \times 142.0' = 14,200.0$ SQ. FT. = 0.33 ACRE

RAINFALL, R_6 (100-YR. - 6 HR.) = 2.3 INCHES

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

RAINFALL INTENSITY, "I" = $2.3 \times 6.84 \times (10)^{-0.51} = 4.86$ IN./HR.

EXISTING CONDITIONS: (VACANT LAND)

$14,200.00$ SQ. FT. = $C_u = \frac{14,200.0 \times 0.40}{14,200.0} = 0.40$

$Q_{100} = 0.40 \times 4.86 \times 0.33 = 0.64$ CFS

PROPOSED DEVELOPED CONDITIONS:

PROPOSED PAVED AREA = 13,000.00 SQ. FT.

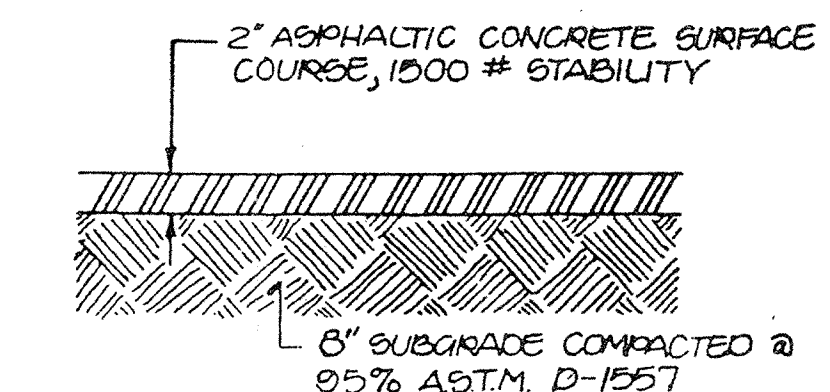
PROPOSED LANDSCAPED AREA = 1,200.00 SQ. FT.

$C_p = \frac{13,000.0 \times 0.95}{14,200.0} = 0.87$

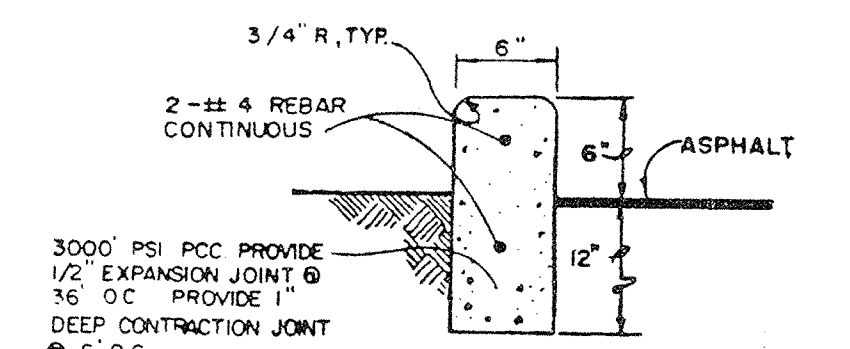
$C_L = \frac{1,200.0 \times 0.25}{14,200.0} = 0.02$

$Q_{100} = 0.89 \times 4.86 \times 0.33 = 1.43$ CFS *** INCREASE = 0.79 CFS

* REQUIRED LANDSCAPED AREA = 1,420.0 SQ. FT.
PROVIDED LANDSCAPED AREA = 1,200.0 SQ. FT.



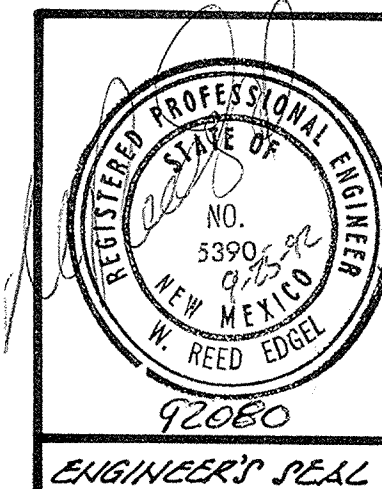
TYPICAL PAVEMENT SECTION
SCALE 1" = 1'-0"



HEADER CURB DETAIL - A
SCALE 1" = 1'-0"

LEGEND:

- T.C. = 54.42 = TOP OF CURB ELEVATION
- R.E. = 53.75 = CURB FINISH ELEVATION
- = EXISTING OR PROPOSED CONCRETE
- = EXISTING CONTOUR
- = PROPOSED CONTOUR
- = EXISTING FENCE
- = PROPOSED SPOT ELEVATION
- = PROPOSED LIMIT OF NEW PAVING



GRADING AND DRAINAGE PLAN
FOR PROPOSED PARKING LOT FOR
MADRID BAIL BONDS
5TH STREET N.W.
ALBUQUERQUE, NEW MEXICO
SEPTEMBER, 1992