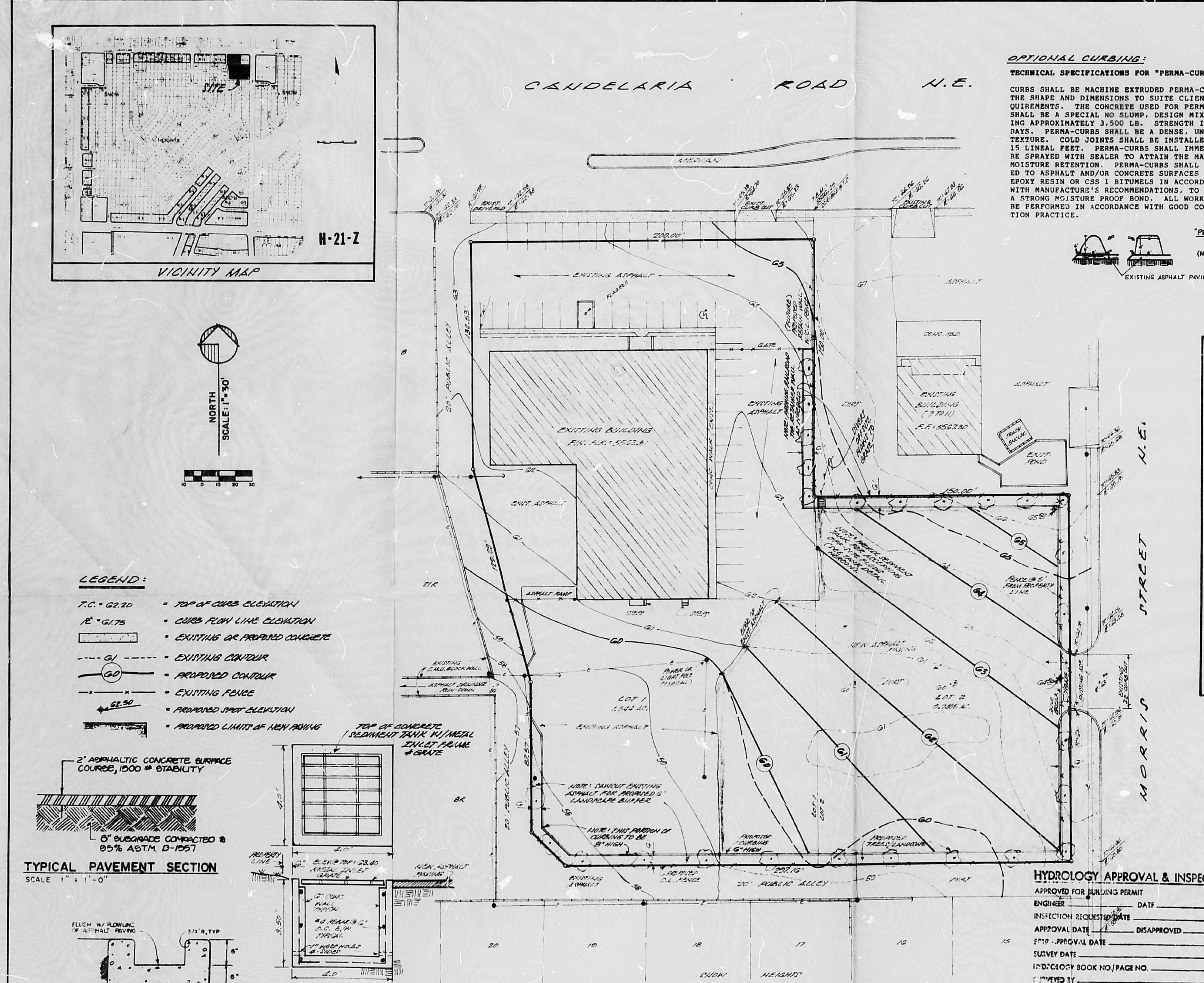
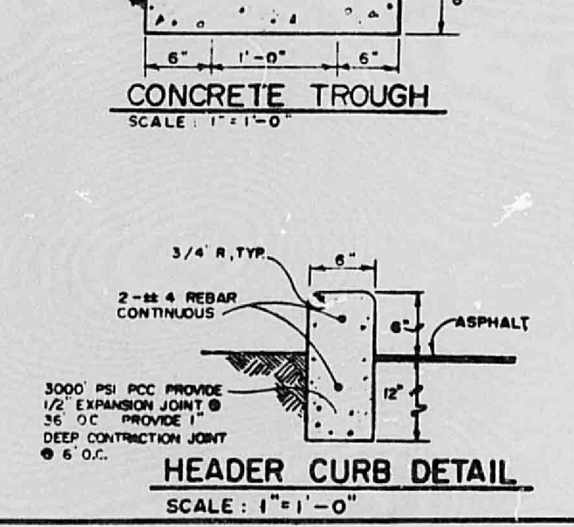
PUBLIC WORKS/HYDROLOGY

H21/D38


VICINITY MAP
SITE
H-21-Z
NORTH
SCALE 1" = 30'
CANDELARIA ROAD N.E.
MORRIS STREET N.E.
EXISTING ASPHALT
EXISTING BUILDING
EXISTING BUILDING
20' PUBLIC ALLEY
SNOW HEIGHTS
20
19
18
17
16
15
LEGEND:
T.C. = 62.20 = TOP OF CURB ELEVATION
FL = 61.75 = CURB FLOW LINE ELEVATION
= EXISTING OR PROPOSED CONCRETE
61 = EXISTING CONTOUR
60 = PROPOSED CONTOUR
= EXISTING FENCE
62.50 = PROPOSED SPOT ELEVATION
= PROPOSED LIMITS OF NEW PAVING
2" ASPHALTIC CONCRETE SURFACE COURSE, 1500 # STABILITY
8" SUBGRADE COMPACTED @ 85% ASTM. D-1557
TYPICAL PAVEMENT SECTION
SCALE 1" = 1'-0"
TOP OF CONCRETE SEDIMENT TANK W/METAL INLET FRAME & GRATE
4.0'
PROPERTY LINE
ELEV.@ TOP = 63.40
METAL INLET GRATE
NEW ASPHALT PAVING
6" CONC. WALL TYPICAL
#4 REBAR @ 6" O.C. E/W TYPICAL
1" WEEP HOLES 4-SIDES
3.50'
"PERMA-CURB" DETAIL
(NO SCALE)
EXISTING ASPHALT PAVING


FLUSH W/ FLOWLINE OF ASPHALT PAVING
3/4" R, TYP
6"
1'-0"
CONCRETE TROUGH
SCALE: 1" = 1'-0"
3/4" R, TYP.
2-# 4 REBAR CONTINUOUS
ASPHALT
12"
3000 PSI PCC PROVIDE 1/2" EXPANSION JOINT @ 36' O.C. PROVIDE 1" DEEP CONTRACTION JOINT @ 6' O.C.
HEADER CURB DETAIL
SCALE: 1" = 1'-0"

OPTIONAL CURBING:

TECHNICAL SPECIFICATIONS FOR "PERMA-CURBS" :

CURBS SHALL BE MACHINE EXTRUDED PERMA-CURB OF THE SHAPE AND DIMENSIONS TO SUITE CLIENT REQUIREMENTS. THE CONCRETE USED FOR PERMA-CURB SHALL BE A SPECIAL NO SLUMP, DESIGN MIX ATTAINING APPROXIMATELY 3,500 LB. STRENGTH IN 28 DAYS. PERMA-CURBS SHALL BE A DENSE, UNIFORM TEXTURE. COLD JOINTS SHALL BE INSTALLED EVERY 15 LINEAL FEET. PERMA-CURBS SHALL IMMEDIATELY BE SPRAYED WITH SEALER TO ATTAIN THE MAXIMUM MOISTURE RETENTION. PERMA-CURBS SHALL BE BONDED TO ASPHALT AND/OR CONCRETE SURFACES WITH EPOXY RESIN OR CSS 1 BITUMELS IN ACCORDANCE WITH MANUFACTURE'S RECOMMENDATIONS, TO ASSURE A STRONG MOISTURE PROOF BOND. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH GOOD CONSTRUCTION PRACTICE.

DRAINAGE COMMENTS:

AS SHOWN ON THE VICINITY MAP HEREON, THE SUBJECT SITE IS LOCATED ON THE SOUTH SIDE OF CANDELARIA ROAD N.E., APPROXIMATELY 150.0' WEST OF MORRIS STREET N.E., IN THE CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO.

THE SUBJECT SITE IS PARTIALLY IMPROVED IN THE PRESENT CONDITION; THE SCOPE OF THE PROPOSED WORK IS TO PAVE THE EXISTING UNDEVELOPED AREA, AND ALSO TO PROVIDE ADDITIONAL LANDSCAPE AREA FOR SAID SITE.

THE SUBJECT SITE IN THE PRESENT CONDITION AND THE PROPOSED DEVELOPED CONDITION FREE DISCHARGES WESTERLY TO AND THRU AN EXISTING PAVED DRAINAGE CHANNEL, (AS SHOWN ON THE PLAN HEREON).

DRAINAGE CALCULATIONS:

IMPERVIOUSNESS: SITE AREA = 99,507.0 SQ. FT. (2.28 ACRES)

EXISTING CONDITIONS: WEIGHTED "C" FACTOR = 0.72
PROPOSED CONDITIONS: WEIGHTED "C" FACTOR = 0.91

RAINFALL: 100-YR., 6-HR. = R_6 = 2.5 INCHES

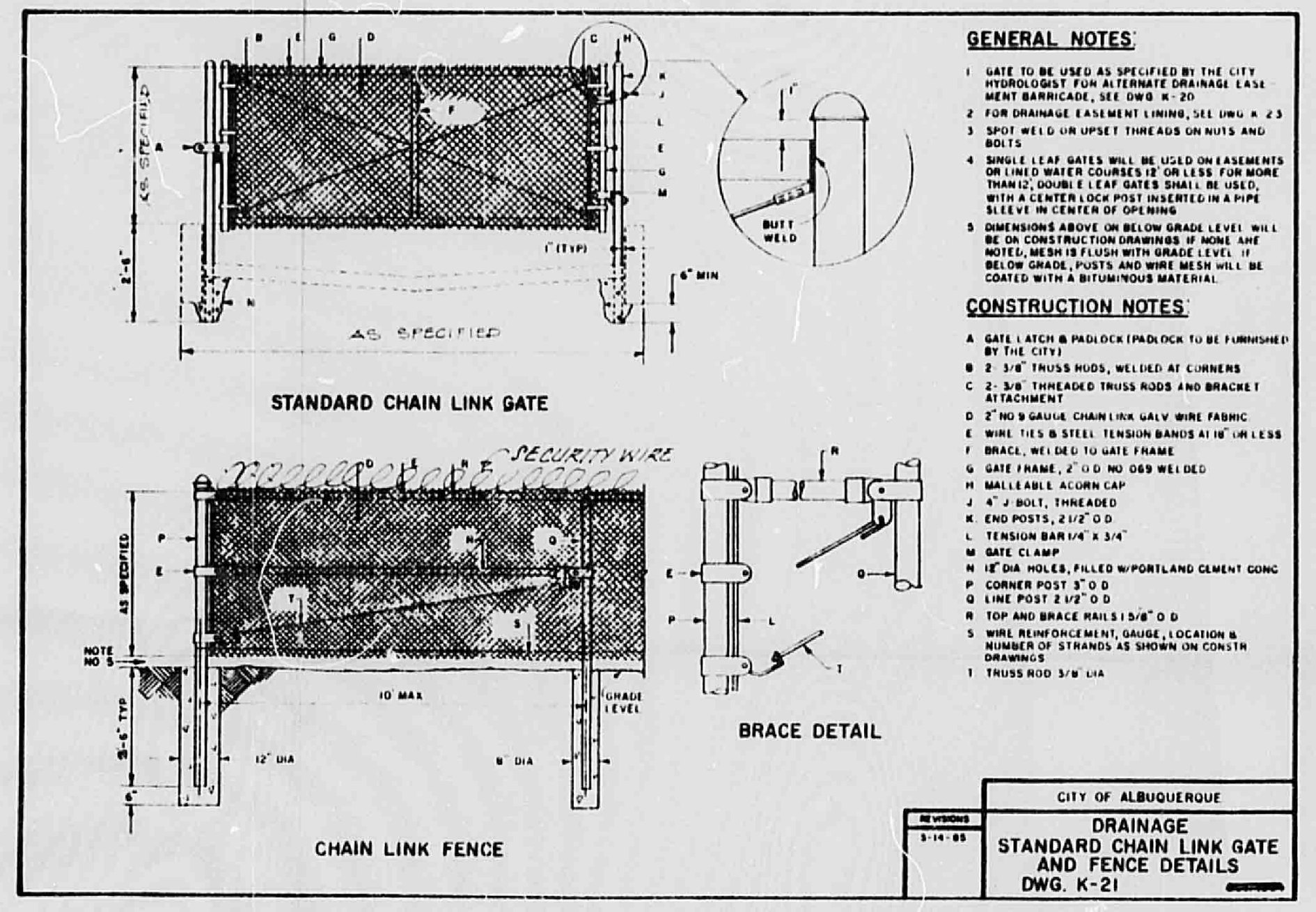
TIME OF CONCENTRATION, T_c = 10 MINUTES

RAINFALL INTENSITY, "I" = 5.28 IN./HR.

Q_{100} = CIA
EXISTING CONDITIONS: Q_{100} = 0.72 X 5.28 X 2.28 = 8.67 cfs

PROPOSED CONDITIONS: Q_{100} = 0.91 X 5.28 X 2.28 = 10.95 cfs
*** INCREASE = 2.28 cfs

PROPOSED NEW ASPHALTED AREA = 37,290.0 SQ. FT. = 0.86 ACRE


STANDARD CHAIN LINK GATE
BRACE DETAIL
CHAIN LINK FENCE
GENERAL NOTES
1 GATE TO BE USED AS SPECIFIED BY THE CITY HYDROLOGIST FOR ALTERNATE DRAINAGE EASEMENT BARRICADE, SEE DWG K-20
2 FOR DRAINAGE EASEMENT LINING, SEE DWG K-23
3 SPOT WELD OR UPSET THREADS ON NUTS AND BOLTS
4 SINGLE LEAF GATES WILL BE USED ON EASEMENTS OR LINED WATER COURSES 12' OR LESS. FOR MORE THAN 12', DOUBLE LEAF GATES SHALL BE USED, WITH A CENTER LOCK POST INSERTED IN A PIPE SLEEVE IN CENTER OF OPENING
CONSTRUCTION NOTES
12" DIA
8" DIA
GRADE LEVEL
REVISIONS
5-14-85
CITY OF ALBUQUERQUE
DRAINAGE
STANDARD CHAIN LINK GATE AND FENCE DETAILS
DWG. K-21

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 PLAN HEREON AND THE PLAT OF RECORD FOR THE SUBJECT PROPERTY.

3.) REFER TO "ARCHITECTURAL SITE PLAN" FOR FIELD LAYOUT OF PROPOSED IMPROVEMENTS ON-SITE.

4.) TOPOGRAPHY SURVEY OF THE SUBJECT PROPERTY HAS BEEN OBTAINED BY "TRANSIT-STADIA" METHODS.

HYDROLOGY APPROVAL & INSPECTION

APPROVED FOR BUILDING PERMIT
ENGINEER ____________ DATE ____________
INSPECTION REQUESTED DATE ____________
APPROVAL DATE ____________ DISAPPROVED ____________
SP19 APPROVAL DATE ____________
SURVEY DATE ____________
HYDROLOGY BOOK NO./PAGE NO. ____________
SURVEYED BY ____________
COMMENTS ____________

LEGAL DESCRIPTION: LOTS ONE (1) AND TWO (2) OF THE SNOW HEIGHTS ADDITION TO THE CITY OF ALBUQUERQUE, NEW MEXICO, AS SHOWN ON THE "REPLAT OF TRACT 52-A, SNOW HEIGHTS ADDITION, (PLAT FILED MARCH 31, 1975).

BENCH MARK REFERENCE: ACS MONUMENT STATION "11-G21", M.S.L.D. DATUM ELEVATION = 5570.08

CONSTRUCTION NOTES:

1.) TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICES AT 260-1990 FOR LOCATION OF EXISTING BURIED OR OVERHEAD SERVICE UTILITY LINES.

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, COUNTY, OR STATE RIGHT-OF-WAYS SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE STANDARDS, REQUIREMENTS, AND PROCEDURES, THEREOF.

EROSION CONTROL MEASURES:

THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR MANAGEMENT OF STORM RUN-OFF DURING CONSTRUCTION; HE SHALL INSURE THAT THE FOLLOWING MEASURES ARE TAKEN:

1.) ADJACENT PROPERTIES SHALL BE PROTECTED AT ALL TIMES BY CONSTRUCTION OF BERMS, DIKES, SWALES, PONDS, AND OTHER TEMPORARY GRADING AS REQUIRED TO PREVENT STORM RUN-OFF FROM LEAVING THE SITE AND ENTERING ADJACENT PROPERTIES.

2.) ADJACENT PUBLIC RIGHT-OF-WAYS SHALL BE PROTECTED AT ALL TIMES FROM STORM WATER RUN-OFF FROM THE SITE; NO SEDIMENT BEARING WATERS SHALL BE PERMITTED TO ENTER PUBLIC STREETS.

3.) THE CONTRACTOR SHALL IMMEDIATELY AND THROUGHLY REMOVE ANY AND ALL SEDIMENT WITHIN PUBLIC STREETS THAT HAS BEEN ERODED FROM THE SITE AND DEPOSITED THERE.

W. REED EDGEL
NO. 5390
4-9-92
92029
ENGINEER'S SEAL

GRADING AND PAVING PLAN
FOR
PROPOSED STORAGE FACILITY
LOCATED ON CANDELARIA ROAD N.E.
ALBUQUERQUE, NEW MEXICO
MARCH, 1992

APR 9 1992

R# 26 DATE 3-27-02 OP E.P.

CITY OF ALBUQUERQUE

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1/15/02
DIRECTOR

Roberta Duran
NOTARY PUBLIC

OFFICIAL SEAL
Roberta Duran
NOTARY PUBLIC
STATE OF NEW MEXICO
07/02/02

CITY OF ALBUQUERQUE
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PLANS/PLATS ON FILE

FILE DESC: H21/D38

PLANS/PLATS 1