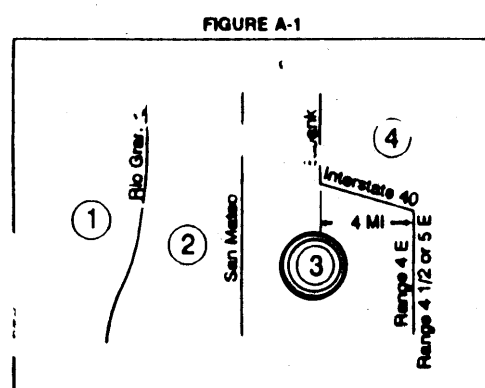


#### A.1 PRECIPITATION ZONES

Bernalillo County's four precipitation zones are indicated in TABLE A-1 and on FIGURE A-1.

Zone	Location
1	East of the Rio Grande
2	Between the Rio Grande and San Mateo
3	Between San Mateo and East, North of Interstate 10, and between San Mateo and the East boundary of Range 4 East, South of Interstate 40
4	East of East, North of Interstate 40, and East of the East boundary of Range 4 East, South of Interstate 40



Where a watershed is indicated by a zone too small to use the zone which contains the largest portion of the watershed.

#### DPM SECTION 22-2. HYDROLOGY

January, 1993 Page A-4

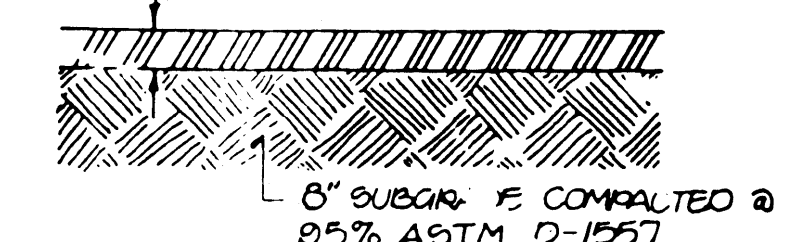
Treatment	Land Condition
A	Soil uncompacted by human activity with 0 to 10 percent slopes. Native grasses, weeds and shrubs in typical densities with minimal disturbance to grading, groundwater and infiltration capacity. Croplands. Unfertilized arroyos.
B	Irrigated lawns, parks and golf courses with 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 vegetation. Gravel or rock on flat (less than 10 percent) slopes. 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. Areas with low permeability as classified by S <sub>u</sub> hydrologic Soil Group D.
D	Impervious areas, pavement and roofs.

Most watersheds contain a mix of land treatments. To determine proportional treatments, measure representative subarea. In lieu of specific measurement for treatment D, the area percentages in TABLE A-5 may be employed.

#### LEGEND:

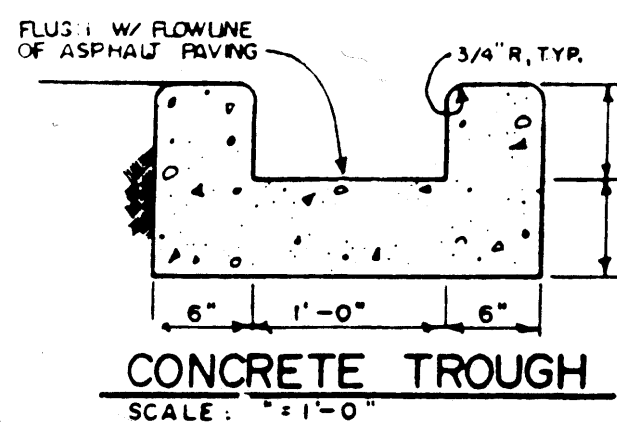
TOP OF CURB ELEVATION	= TC = 66.36
CURB FLOW LINE ELEVATION	= R = 66.70
EXISTING OR PROPOSED CONCRETE	= 65
EXISTING CONTOUR	= 65.25
EXISTING SPOT ELEVATION	= 66.75
PROPOSED SPOT ELEVATION	= 65
PROPOSED CONTOUR	= 65

2" ASPHALTIC CONCRETE SURFACE COURSE, 1000 # STABILITY



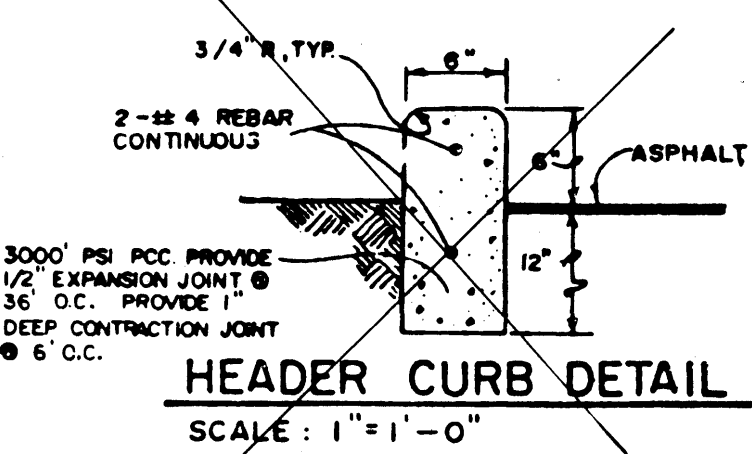
#### TYPICAL PAVEMENT SECTION

SCALE: 1" = 1'-0"



#### CONCRETE TROUGH

SCALE: 1" = 1'-0"



#### HEADER CURB DETAIL

SCALE: 1" = 1'-0"

#### GENERAL NOTES:

- NO SEARCH HAS BEEN MADE FOR EASEMENTS OF RECORD WITHIN THE SUBJECT SITE OTHER THAN MAY BE SHOWN ON THE PLAN HEREON.
- TOPOGRAPHY SURVEY INFORMATION SHOWN ON THE PLAN HEREON WAS OBTAINED BY THE "TRANSIT - STADIA" METHOD.

#### CONSTRUCTION NOTES:

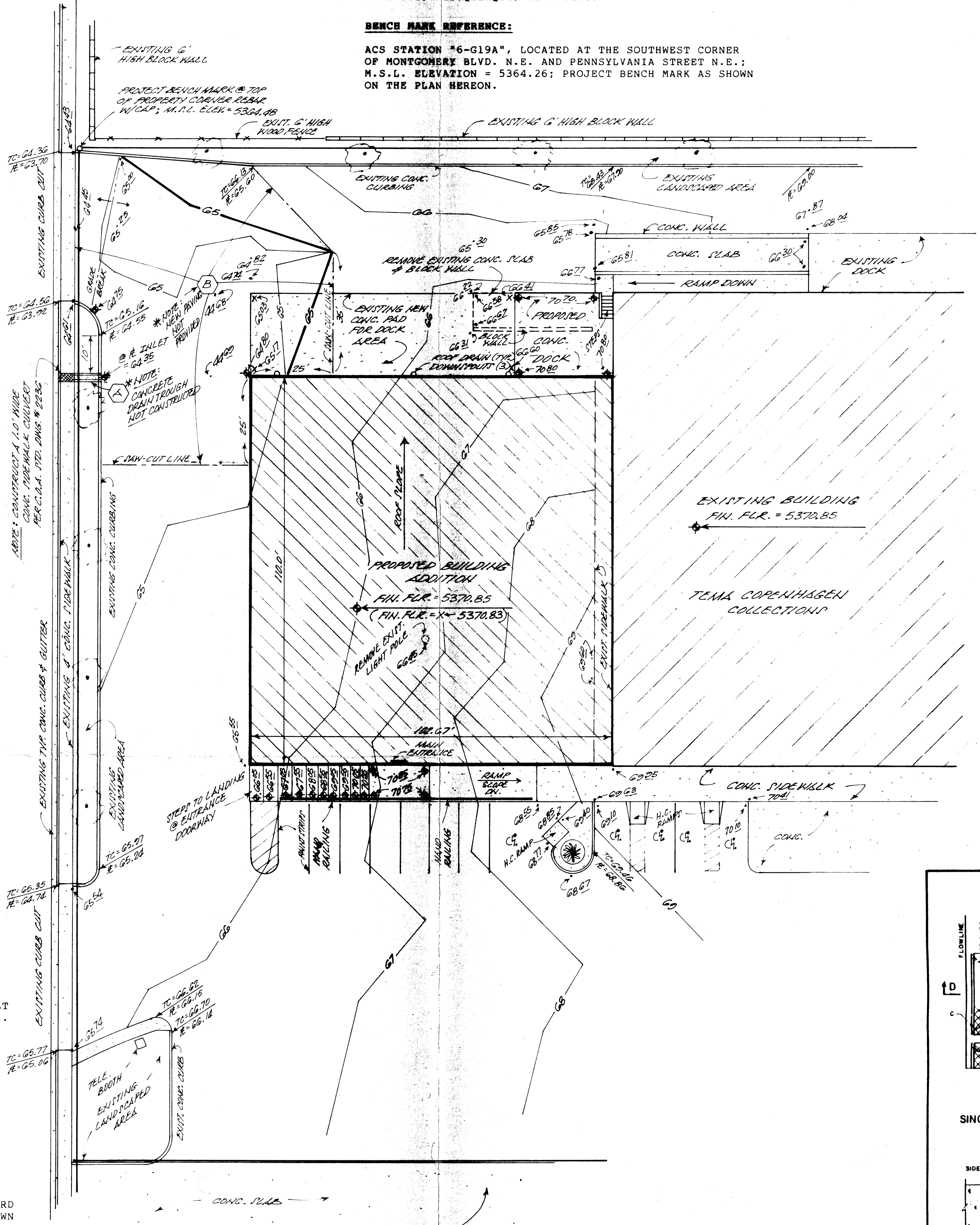
- TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE AT 260-1234 FOR LOCATION OF EXISTING UTILITIES.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF ALL POTENTIAL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM OF DELAY.
- 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.
- ALL CONSTRUCTION WITHIN CITY RIGHT-OF-WAY SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE CITY OF ALBUQUERQUE STANDARDS AND PROCEDURES.

#### LEGAL DESCRIPTION:

A WESTERLY PORTION OF TRACT "C-1" OF THE H-E-D SUBDIVISION OF LOT 3, ALBUQUERQUE, NEW MEXICO.

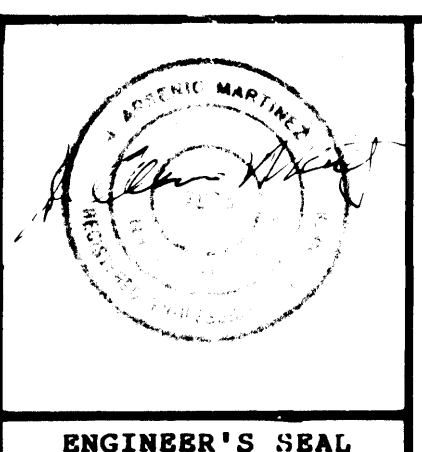
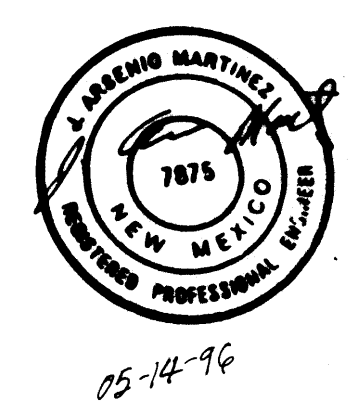
#### BENCH MARK REFERENCE:

ACS STATION "6-G19A", LOCATED AT THE SOUTHWEST CORNER OF MONTGOMERY BLVD. N.E. AND PENNSYLVANIA STREET N.E.; M.S.L. ELEVATION = 5364.26; PROJECT BENCH MARK AS SHOWN ON THE PLAN HEREON.



#### ENGINEER'S CERTIFICATION:

I, J. ARSENIO MARTINEZ, NEW MEXICO REGISTERED PROFESSIONAL ENGINEER NO. 7875, LICENSED AND REGISTERED UNDER THE LAWS OF THE STATE OF NEW MEXICO, DO HEREBY STATE THAT AN ACTUAL ON THE GROUND FIELD SURVEY VERIFICATION OF THE GRADES AND IMPROVEMENTS OF THE NEW BUILDING ADDITION ON THE SUBJECT PROPERTY ARE IN "SUBSTANTIAL COMPLIANCE" TO THE APPROVED DRAINAGE PLAN FOR SAID IMPROVEMENTS, WITH THE EXCEPTION OF, a.) THE AREA SHOWN ON THE APPROVED DRAINAGE PLAN DESIGNATED THUS "B", (AREA OF ASPHALT PAVING TO BE SAW-CUT, REMOVED, RE-GRADED, AND RE-PAVED) WAS NOT PROVIDED, b.) A 1.0' WIDE CONCRETE DRAIN TROUGH AND SIDEWALK CULVERT SHOWN ON SAID APPROVED DRAINAGE PLAN WAS ALSO NOT PROVIDED; THE OWNER(S) AND PROPRIETOR(S) OF THE SUBJECT PROPERTY WILL NOT PROVIDE AT THIS TIME SAID ITEMS "a" AND "b" AS CALLED FOR ON SAID APPROVED DRAINAGE PLAN AND WILL PROVIDE TOGETHER HERewith A "HOLD HARMLESS AGREEMENT" TO THIS ENGINEER, HIS AGENT(S), AND THE CITY OF ALBUQUERQUE, AGAINST ANY LIABILITY INCURRED BY THE LACK OF NOT PROVIDING SAID ITEMS AS CALLED FOR ON SAID APPROVED DRAINAGE PLAN.



#### DRAINAGE COMMENTS:

AS SHOWN ON THE PLAN HEREON, THE SUBJECT SITE IS LOCATED AT APPROXIMATELY THE NORTHEAST CORNER OF MONTGOMERY BLVD. N.E. AND PENNSYLVANIA STREET N.E., IN THE CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO, (ZONE ATLAS MAP "F-19-Z").

THE SUBJECT SITE, 1.) DOES NOT LIE WITHIN A DESIGNATED FLOODPLAIN, 2.) DOES NOT LIE ADJACENT TO A NATURAL OR ARTIFICIAL WATER COURSE, 3.) DOES NOT ACCEPT OFFSITE FLOWS FROM ADJACENT PROPERTIES, 4.) DOES NOT CONTRIBUTE OFFSITE FLOWS TO ADJACENT PROPERTIES.

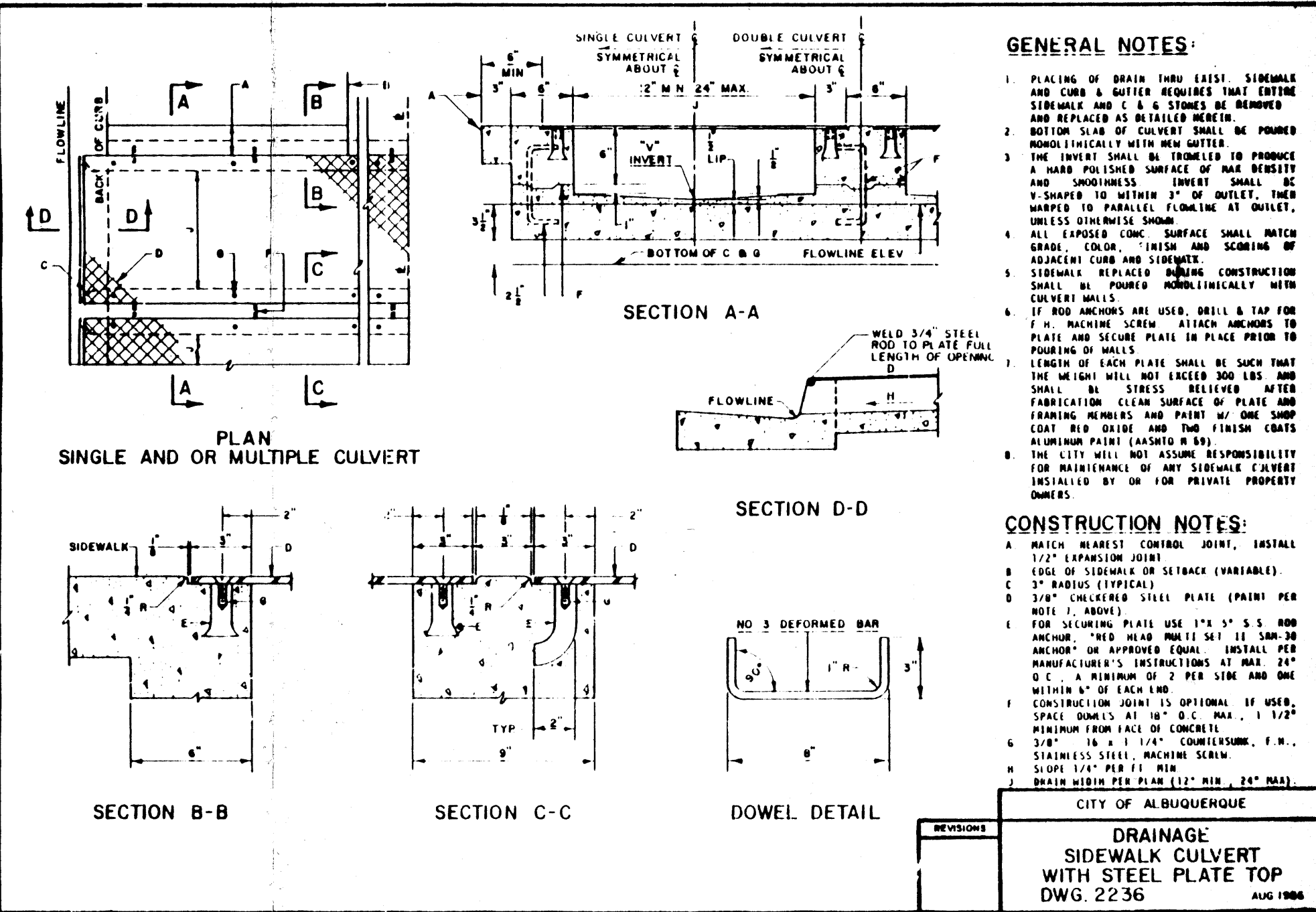
THE PROPOSED PLAN CONSISTS OF CONSTRUCTING A PROPOSED BUILDING ADDITION TO THE EXISTING COMMERCIAL STORE OF "TEMA COPENHAGEN COLLECTIONS" THAT IS LOCATED AT 7601 MONTGOMERY BLVD. N.E.; THE PROPOSED BUILDING ADDITION IS TO BE CONSTRUCTED OVER AN EXISTING ASPHALT PAVED PARKING AREA, THEREFORE, THERE WILL BE NO INCREASE OF IMPERVIOUS AREA.

#### NOTICE TO CONTRACTOR:

- AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN CITY RIGHT-OF-WAY. AN APPROVED COPY OF THIS PLANS MUST BE SUBMITTED AT THE TIME OF APPLICATION OF THIS PERMIT.
- ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE INTERIM STANDARD SPECIFICATION - PUBLIC WORKS CONSTRUCTION - 1985.
- TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE, (260-1234) FOR LOCATION OF EXISTING UTILITIES.
- 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 OR SURVEYOR SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
- BACKFILL COMPACTION SHALL BE ACCORDING TO ASERIAL STREET USE.
- MAINTENANCE OF THESE FACILITIES SHALL BE THE RESPONSIBILITY OF THE OWNER OF THE PROPERTY SERVED.

APPROVALS	NAME	DATE
HYDROLOGY		
INSPECTOR		
A.C.E./FIELD		

NOTE: ALL WORK WITHIN PUBLIC EASEMENT SHALL BE PERFORMED UNDER SEPARATE PERMIT.



#### GENERAL NOTES:

- PLACING OF DRAIN TROUGH, SIDEWALK AND CURB & GUTTER REQUIRE THAT EXISTING SIDEWALK AND CURB & GUTTER BE REMOVED AND REPLACED BY NEW CONSTRUCTION.
- THE DRAIN TROUGH SHALL BE CONSTRUCTED TO PRODUCE A HARD POLISHED SURFACE OF MAXIMUM BEVEL AND SMOOTHNESS. DRAIN TROUGH SHALL BE V-SHAPED TO WITHIN 3" OF DRAIN TROUGH. DRAIN TROUGH SHALL BE V-SHAPED TO WITHIN 3" OF DRAIN TROUGH.
- ALL EXPOSED CONCRETE SURFACE SHALL MATCH GRAD: COLOR, FINISH AND SMOOTHNESS OF ADJACENT CURB AND SIDEWALK.
- STANDARD REPLACEMENT CONSTRUCTION SHALL BE POWER WIDENING WITHIN CULVERT WALLS.
- IF ROAD MEASURES ARE USED, DRILL & TAP FOR 1/2" H. MACHINE SCREEN. ATTACH ANCHORS TO LENGTH OF EACH PLATE. IN PLACE PRIOR TO POURING OF WALLS.
- LENGTH OF EACH PLATE SHALL BE SUCH THAT THE WEIGHT WILL NOT EXCEED 300 LBS AND SHALL BE STRESS RELIEVED AFTER FABRICATION. CLEAN SURFACE OF PLATE AND FRAMING MEMBERS AND POINT W/ DOWEL BARS. DRILL AND TAP FOR 1/2" H. MACHINE SCREEN. ATTACH ANCHORS TO LENGTH OF EACH PLATE. IN PLACE PRIOR TO POURING OF WALLS.
- THE CITY WILL NOT ASSUME RESPONSIBILITY FOR MAINTENANCE OF ANY SIDEWALK CULVERTS INSTALLED BY OR FOR PRIVATE PROPERTY OWNERS.

#### CONSTRUCTION NOTES:

- MATCH NEAREST CONTROL JOINT, INSTALL 1/2" EXPANSION JOINT.
- EDGE OF SIDEWALK OR SIDEWALK (VARIABLE).
- 3" DRAIN TROUGH.
- 3" DRAIN TROUGH.
- FOR CONSTRUCTION PLATE USE 1/2" X 5" X 5" 3000 ANCHOR. THIS PLATE SHALL BE SET IN 3000 ANCHOR OR APPROVED EQUAL. INSTALL PER MANUFACTURER'S INSTRUCTIONS AT MAX 24" O.C. MAXIMUM OF 2 PER JOINT AND ONE WITHIN 4" OF EACH END.
- CONSTRUCTION JOINT IS OPTIONAL. IF USED, SPACE JOINTS AT 14" O.C. MAX. 1 1/2" PLATE FROM FACE OF CONCRETE.
- 3/4" X 1/2" X 1/4" CONCRETE. F.W. SLOPE 1/4" PER FT. MIN. DRAIN WITHIN 24" MIN. (24" MAX).

#### CITY OF ALBUQUERQUE

#### DRAINAGE

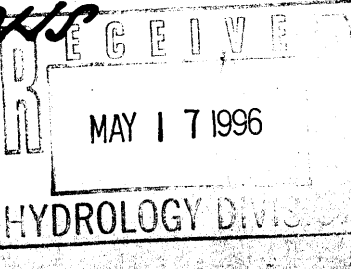
#### SIDEWALK CULVERT

#### WITH STEEL PLATE TOP

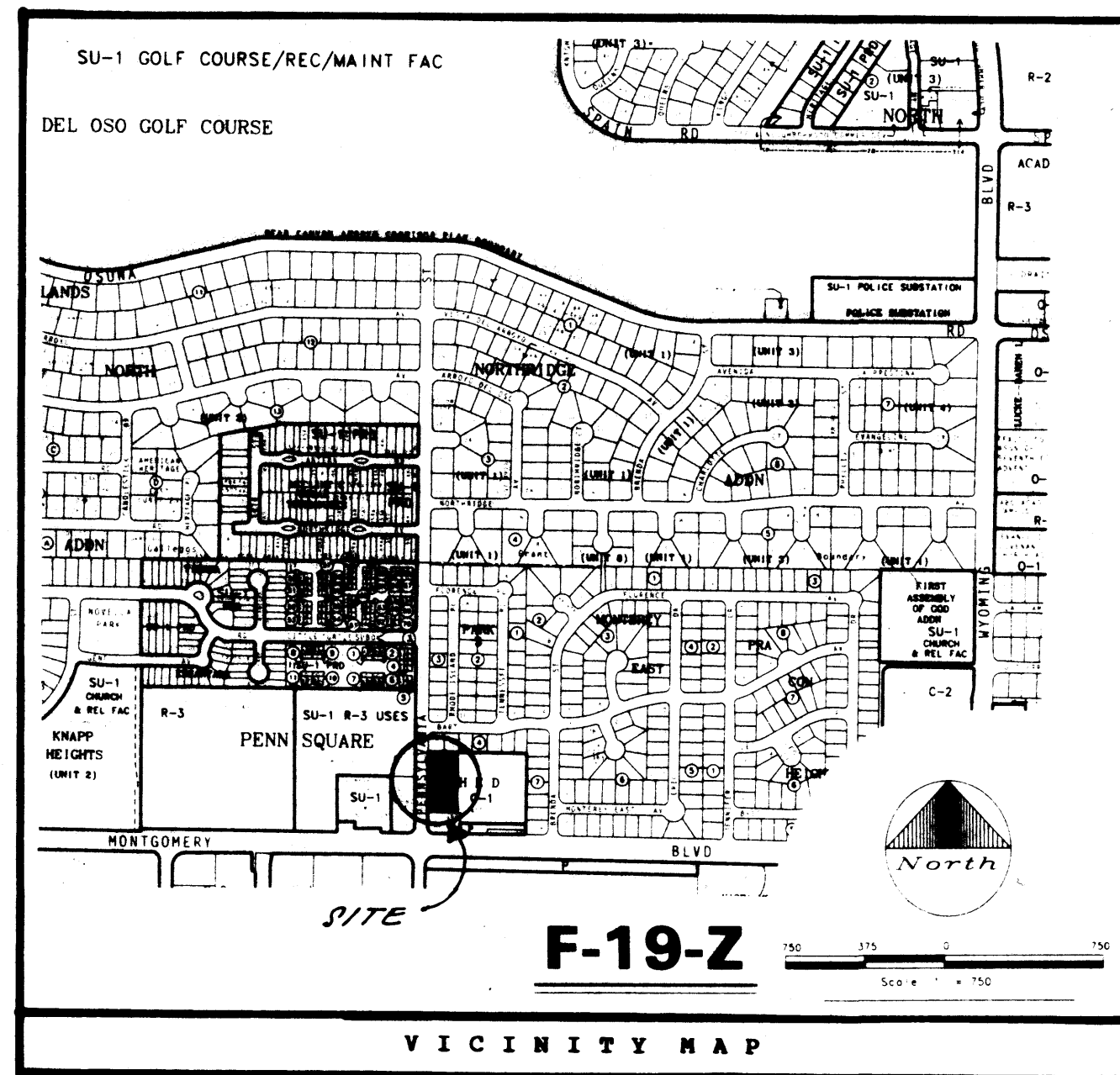
#### DWG. 2236

AUG 1984

A PROPOSED DRAINAGE PLAN FOR AN ADDITION TO  
TEMA COPENHAGEN COLLECTIONS  
(7601 MONTGOMERY BLVD. N.E.)  
ALBUQUERQUE, NEW MEXICO  
APRIL, 1995  
(ENGINEER'S CERTIFICATION: MAY 14, 1996)





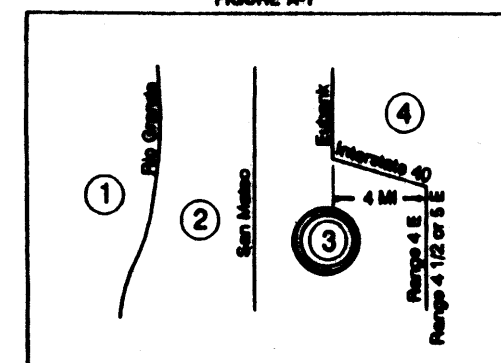


#### A-1 PRECIPITATION ZONES

Bernalillo County's four precipitation zones are indicated in TABLE A-1 and on FIGURE A-1.

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

FIGURE A-1

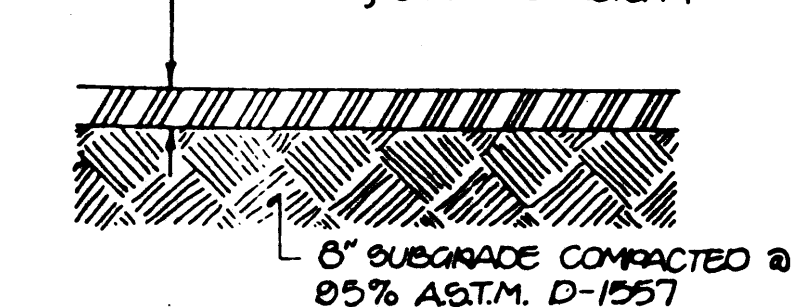


Where a watershed extends across a zone boundary, use the zone which contains the largest portion of the watershed.

#### LEGEND:

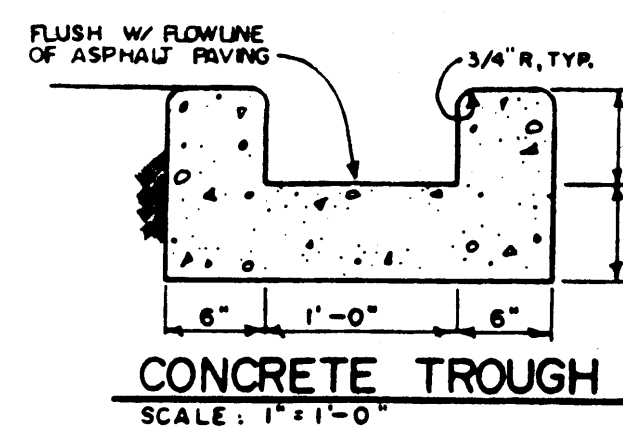
TOP OF CURB ELEVATION	= TC = 68.35
CURB FLOW LINE ELEVATION	= LC = 68.70
EXISTING OR PROPOSED CONCRETE	= G5
EXISTING CONTOUR	= G5
EXISTING SPOT ELEVATION	= G5.25
PROPOSED SPOT ELEVATION	= G5.75
PROPOSED CONTOUR	= G5

2" ASPHALTIC CONCRETE SURFACE COURSE, 1500 # STABILITY



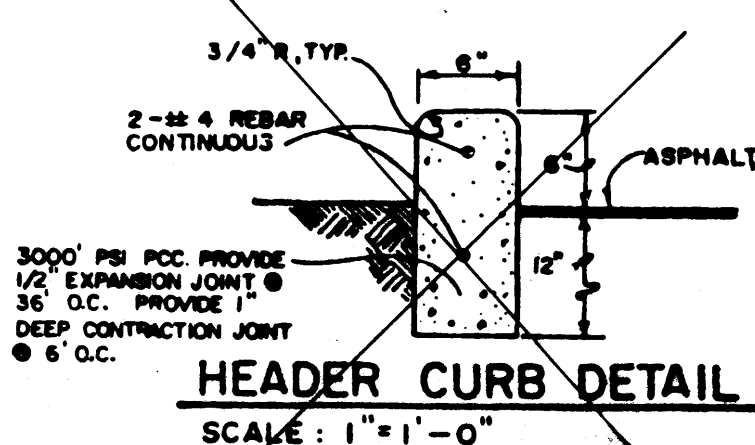
#### TYPICAL PAVEMENT SECTION

SCALE: 1" = 1'-0"



#### CONCRETE TROUGH

SCALE: 1" = 1'-0"



#### HEADER CURB DETAIL

SCALE: 1" = 1'-0"

#### GENERAL NOTES:

- NO SEARCH HAS BEEN MADE FOR EASEMENTS OF RECORD WITHIN THE SUBJECT SITE OTHER THAN MAY BE SHOWN ON THE PLAN HEREON.
- TOPOGRAPHY SURVEY INFORMATION SHOWN ON THE PLAN HEREON WAS OBTAINED BY THE "TRANSIT - STADIA" METHOD.

#### CONSTRUCTION NOTES:

- TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE AT 262-1232 FOR LOCATION OF EXISTING UTILITIES.
- 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.
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- ALL CONSTRUCTION WITHIN CITY RIGHT-OF-WAY SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE CITY OF ALBUQUERQUE STANDARDS AND PROCEDURES.

#### LEGAL DESCRIPTION:

A WESTERLY PORTION OF TRACT "C-1" OF THE H-E-D SUBDIVISION OF LOT 3, ALBUQUERQUE, NEW MEXICO.

#### BENCH MARK REFERENCE:

ACS STATION "6-G19A", LOCATED AT THE SOUTHWEST CORNER OF MONTGOMERY BLVD. N.E. AND PENNSYLVANIA STREET N.E.; M.S.L. ELEVATION = 5364.26; PROJECT BENCH MARK AS SHOWN ON THE PLAN HEREON.

#### DRAINAGE COMMENTS:

AS SHOWN ON THE PLAN HEREON, THE SUBJECT SITE IS LOCATED AT APPROXIMATELY THE NORTHEAST CORNER OF MONTGOMERY BLVD. N.E. AND PENNSYLVANIA STREET N.E., IN THE CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO. (ZONE ATLAS MAP "F-19-Z").

THE SUBJECT SITE, 1.) DOES NOT LIE WITHIN A DESIGNATED FLOODPLAIN, 2.) DOES NOT LIE ADJACENT TO A NATURAL OR ARTIFICIAL WATER COURSE, 3.) DOES NOT ACCEPT OFFSITE FLOWS FROM ADJACENT PROPERTIES, 4.) DOES NOT CONTRIBUTE OFFSITE FLOWS TO ADJACENT PROPERTIES.

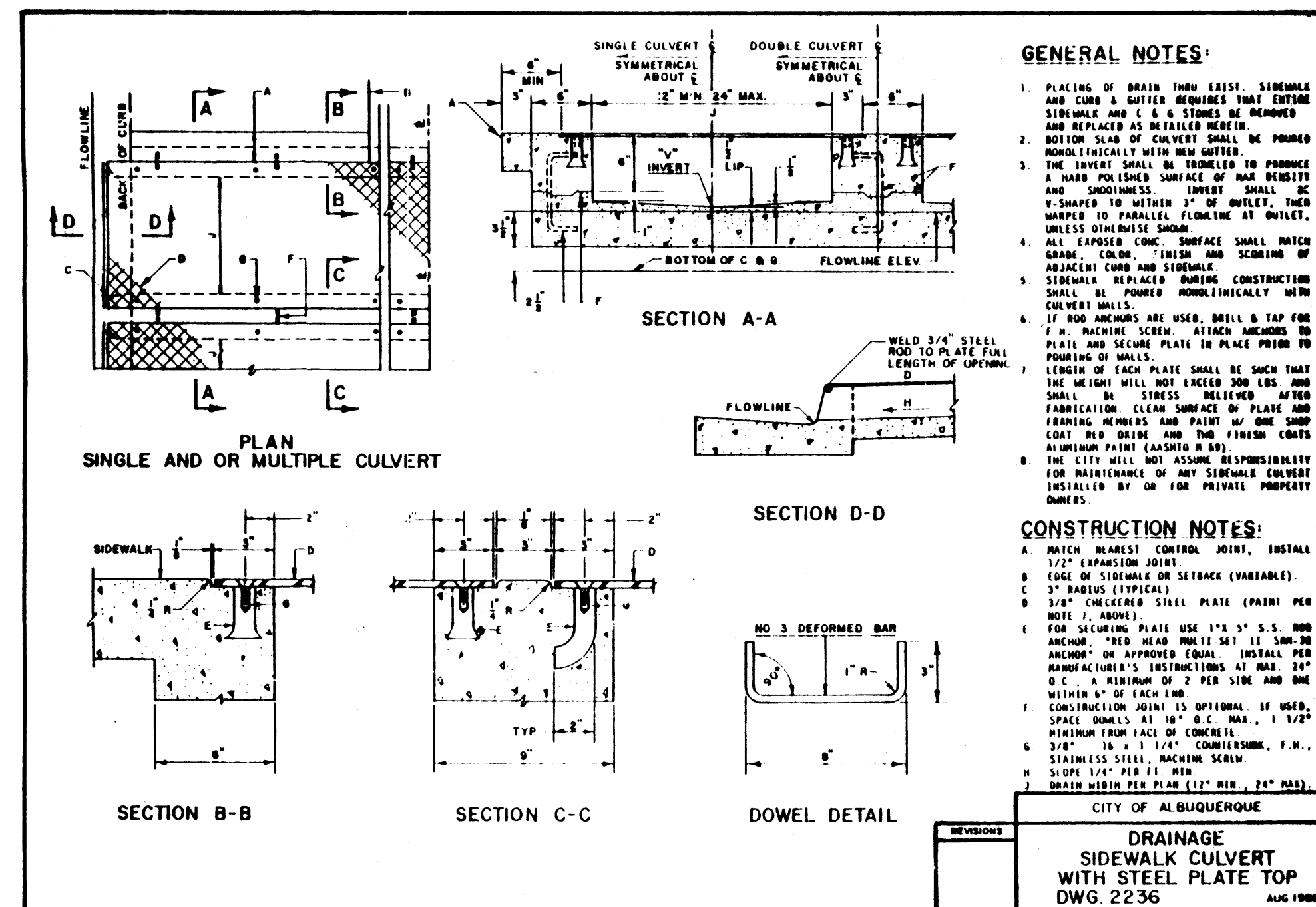
THE PROPOSED PLAN CONSISTS OF CONSTRUCTING A PROPOSED BUILDING ADDITION TO THE EXISTING COMMERCIAL STORE OF "TEMA COPENHAGEN COLLECTIONS" THAT IS LOCATED AT 7601 MONTGOMERY BLVD. N.E.; THE PROPOSED BUILDING ADDITION IS TO BE CONSTRUCTED OVER AN EXISTING ASPHALT PAVED PARKING AREA, THEREFORE, THERE WILL BE NO INCREASE OF IMPERVIOUS AREA.

#### NOTICE TO CONTRACTOR:

- AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN CITY RIGHT-OF-WAY. AN APPROVED COPY OF THIS PLANS MUST BE SUBMITTED AT THE TIME OF APPLICATION OF THIS PERMIT.
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- TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE, 262-1232 FOR LOCATION OF EXISTING UTILITIES.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF ALL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OR SURVEYOR SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
- BACKFILL COMPACTION SHALL BE ACCORDING TO APPROX STREET USE.
- MAINTENANCE OF THESE FACILITIES SHALL BE THE RESPONSIBILITY OF THE OWNER OF THE PROPERTY SERVED.

APPROVALS	NAME	DATE
HYDROLOGY	David M. M. 5/18/85	
INSPECTOR		
A.C.E./FIELD		

**NOTE:** ALL WORK WITHIN PUBLIC EASEMENT SHALL BE PERFORMED UNDER SEPARATE PERMIT.

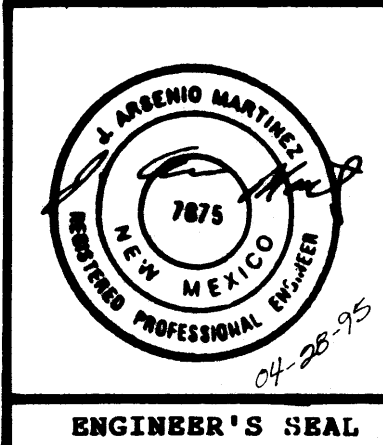


#### GENERAL NOTES:

- PLACING OF BRAIN THRU LEIST, SIGNALS AND CURB & GUTTER REQUIRES THAT EXISTING SIGNALS AND CURB & GUTTER BE REMOVED AND REPLACED AT THE SAME LOCATION.
- BOTTOM OF CULVERT SHALL BE FINISHED TO MATCH EXISTING GROUND SURFACE. THE INVERT SHALL BE FINISHED TO MATCH EXISTING GROUND SURFACE. THE INVERT SHALL BE FINISHED TO MATCH EXISTING GROUND SURFACE.
- ALL EXPOSED CONC. SURFACE SHALL MATCH EXISTING CONC. SURFACE. ALL EXPOSED CONC. SURFACE SHALL MATCH EXISTING CONC. SURFACE.
- IF ROD ANCHORS ARE USED, DRILL & TAP FOR PLATE AND SECURE PLATE IN PLACE PRIOR TO POURING OF CONCRETE.
- THE CITY WILL NOT ASSUME RESPONSIBILITY FOR MAINTENANCE OF ANY SIGNALS OR CURB & GUTTER INSTALLED BY OR FOR PRIVATE PROPERTY OWNERS.

#### CONSTRUCTION NOTES:

- 1/2" EXPANSION JOINT
- 1/2" EXPANSION JOINT
- 1/2" EXPANSION JOINT
- 1/2" EXPANSION JOINT
- 1/2" EXPANSION JOINT
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- 1/2" EXPANSION JOINT



A PROPOSED DRAINAGE PLAN FOR AN ADDITION TO FEMIA COPENHAGEN COLLECTIONS (7601 MONTGOMERY BLVD. N.E.) ALBUQUERQUE, NEW MEXICO APRIL, 1985

