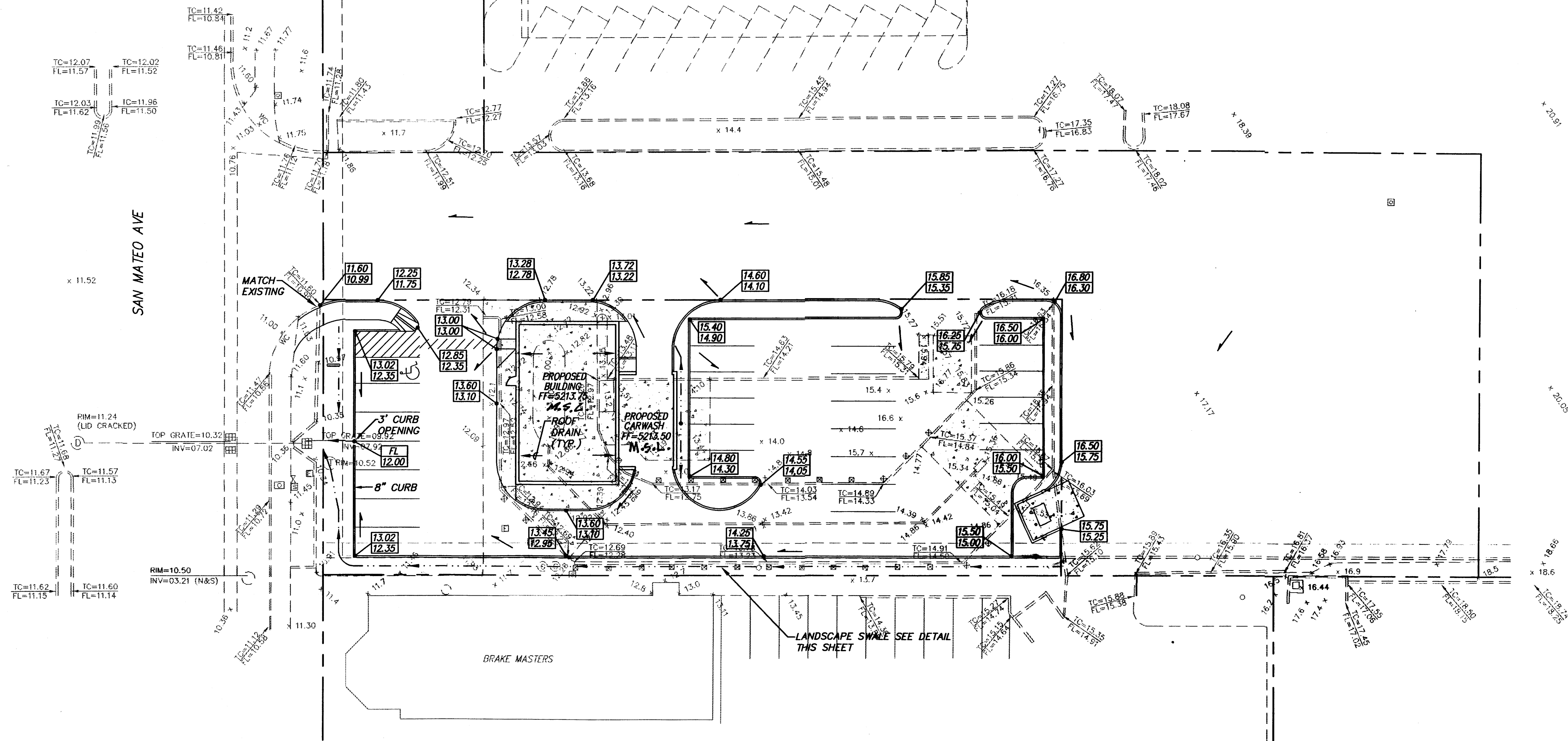




DRAINAGE CALCULATIONS

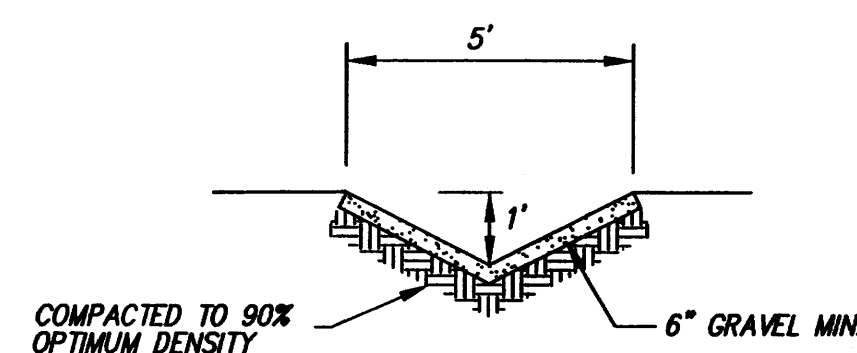
ZONE=3
 $P_{100}=2.14$
 $P_{300}=2.60$
 $P_{1000}=3.10$
 $D_r=0.033$ HR
 $T_p=0.133$ HR

EXISTING CONDITION
 $A_{TOTAL}=0.000839$ SQ. MI.
 TYPE "A"= 00.0%
 TYPE "B"= 00.0%
 TYPE "C"= 10.0%
 TYPE "D"= 90.0%
 $Q_{PEAK}=2.59$ CFS

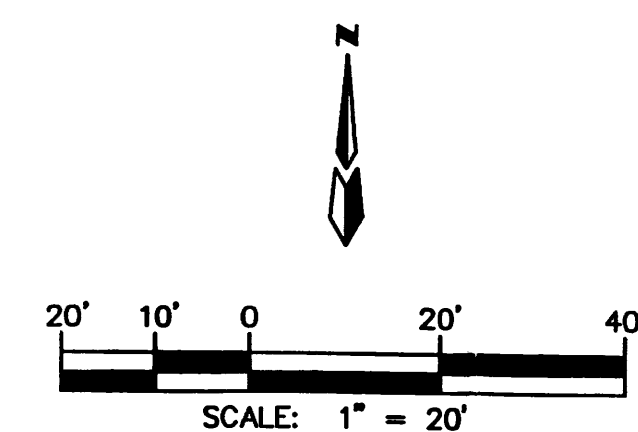
PROPOSED CONDITION
 $A_{TOTAL}=0.000839$ SQ. MI.
 TYPE "A"= 00.0%
 TYPE "B"= 00.0%
 TYPE "C"= 10.0%
 TYPE "D"= 90.0%
 $Q_{PEAK}=2.59$ CFS

CURB OPENING CAPACITY
 $Q_{CURB}=2.9 \times 1.4 \times 2.9 \times 0.67^{1.48}$
 $=4.73 > Q_{PEAK}=2.59$ CFS

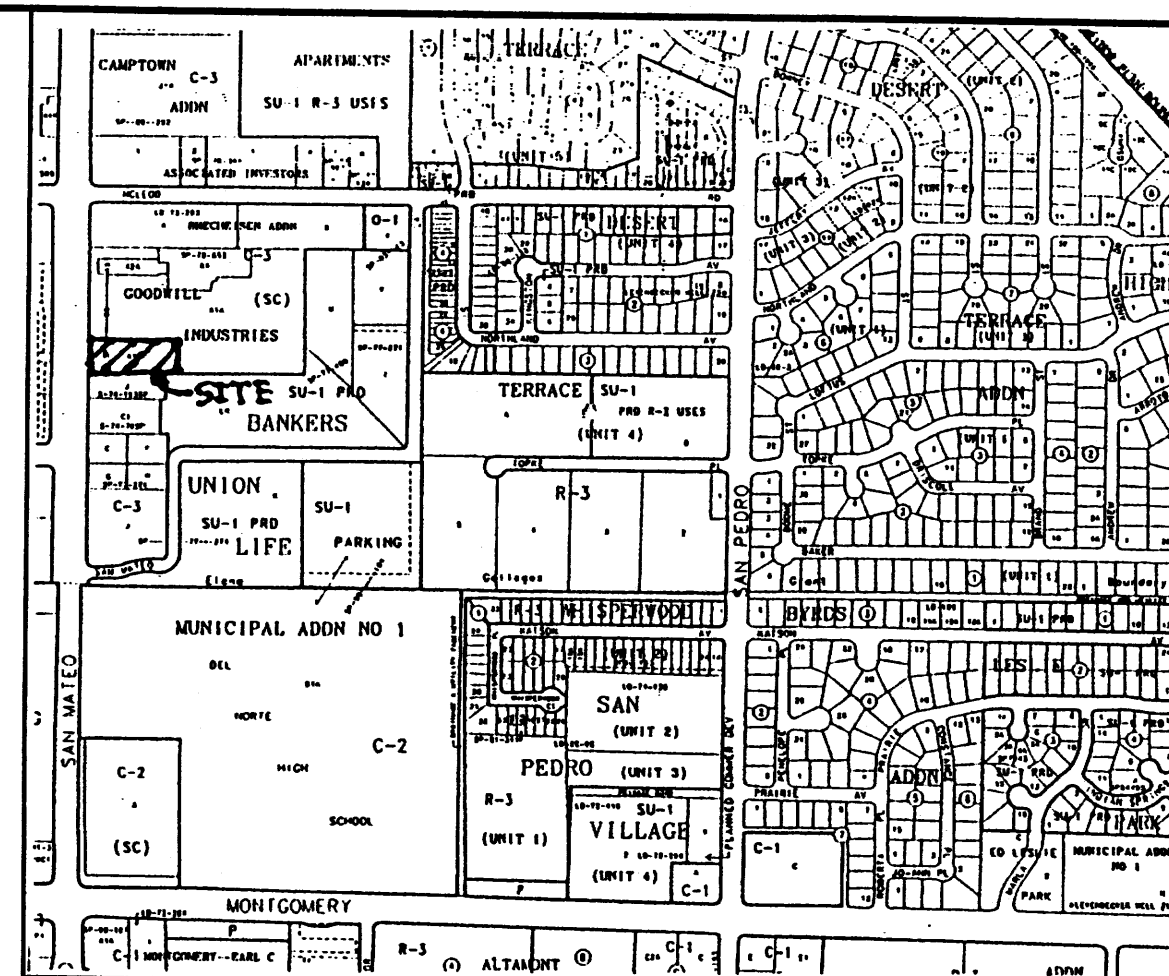
THE EXISTING SITE CONTAINS SEVERAL CONCRETE SLABS WHICH WERE PREVIOUSLY USED FOR BUILDINGS, AND PAVEMENT WITH SMALL LANDSCAPE AREAS. THE EXISTING SITE DRAINS FROM EAST TO WEST WHERE THE DEVELOPED STORM RUNOFF IS CAPTURED BY AN INLET LOCATED AT THE WEST PROPERTY LINE. THE EXISTING SITE IS NOT IMPACTED BY OFFSITE FLOWS. THE PROPOSED IMPROVEMENTS WILL NOT INCREASE NOR DECREASE THE DEVELOPED FLOWS. THE EXISTING DRAINAGE PATTERNS WILL NOT BE ALTERED.



LANDSCAPED SWALE (TYPICAL)
 NOT TO SCALE



TOPO: 98036TP.DWG 3-20-98
 SITE PLAN: A1-SITE.DWG 4-15-98
 8024ent/8024GD20/06-04-98/WLV



VICINITY MAP ZONE MAP: F-18-Z

T B M (TEMPORARY BENCHMARK)

TOP OF INLET GRATE ELEV.=10.32 IS ON SAN MATEO AVE. ON WEST SIDE OF PROPERTY.

ACS BENCHMARK

THE STATION IS LOCATED 5.1 MILES NORTHEAST OF DOWNTOWN ALBUQUERQUE, AT THE INTERSECTION OF MONTGOMERY BLVD. N.E. AND SAN MATEO BLVD. N.E.

TO REACH THE STATION FROM THE INTERCHANGE AT I-25 AND MONTGOMERY BLVD., GO EAST ON MONTGOMERY 1.3 MILES TO SAN MATEO AND THE STATION ON THE MALL.

THE STATION MARK IS A STANDARD ACS BRASS TABLET STAMPED "5-F18-A 1978", SET IN TOP OF THE CONCRETE CURB.

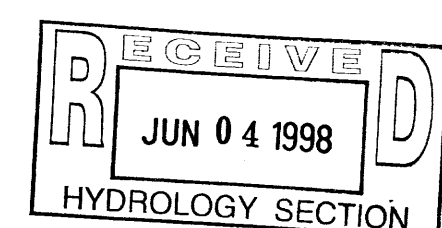
X=399655.33 Y=1503060.85 ELEVATION=5201.826'

LEGAL DESCRIPTION

TRACT A-1-B GOODWILL INDUSTRIES WITHIN THE ELENA GALLEGOS GRANT CITY OF ALBUQUERQUE BERNALILLO COUNTY, NEW MEXICO.

LEGEND

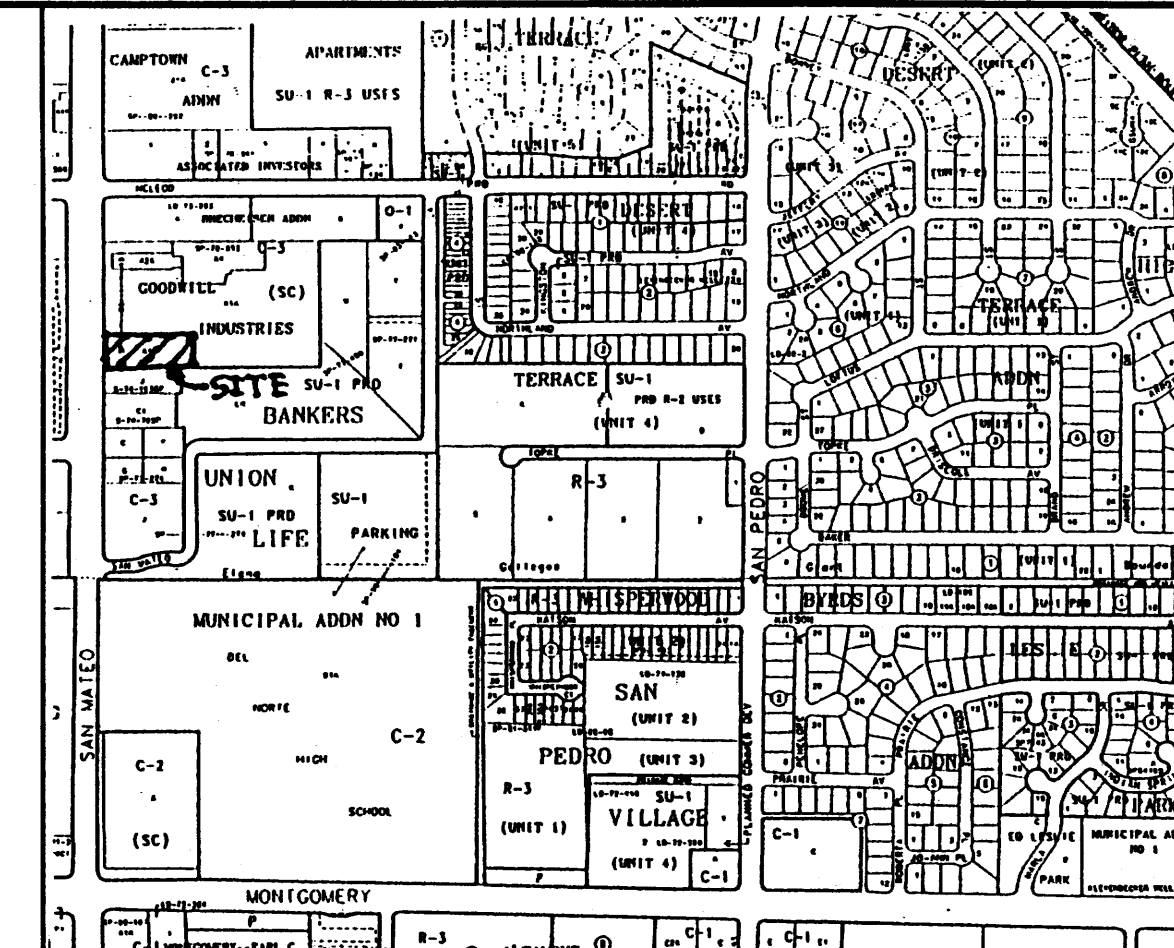
- PROPOSED TOP OF CURB AND FLOWLINE SPOT ELEVATION
- EXISTING TOP OF CURB AND FLOWLINE SPOT ELEVATION
- EXISTING SPOT ELEVATION
- PROPOSED CURB
- PROPOSED LANDSCAPE SWALE
- PROPERTY LINE
- PROPOSED FLOW ARROW



ENTERPRISE - SAN MATEO AVE GRADING AND DRAINAGE PLAN

dmg MARK GOODWIN & ASSOCIATES, P.A.
 CONSULTING ENGINEERS
 P.O. BOX 90606
 ALBUQUERQUE, NEW MEXICO 87199
 (505)828-2200, FAX (505)797-9539

Designed: DPS Drawn: KJS, WLV Checked: DMG
 Scale: 1" = 20' Date: 5/98 Job: 98024 Sheet 1 of 1



VICINITY MAP ZONE MAP: F-18-Z

T B M (TEMPORARY BENCHMARK)
 TOP OF INLET GRADE ELEV.=10.32 IS ON SAN MATEO AVE. ON WEST SIDE OF PROPERTY.

ACS BENCHMARK
 THE STATION IS LOCATED 5.1 MILES NORTHEAST OF DOWNTOWN ALBUQUERQUE, AT THE INTERSECTION OF MONTGOMERY BLVD. N.E. AND SAN MATEO BLVD. N.E.
 TO REACH THE STATION FROM THE INTERCHANGE AT I-25 AND MONTGOMERY BLVD., GO EAST ON MONTGOMERY 1.3 MILES TO SAN MATEO AND THE STATION ON THE MALL.
 THE STATION MARK IS A STANDARD ACS BRASS TABLET STAMPED "5-F18-A 1978", SET IN TOP OF THE CONCRETE CURB.
 X=399655.33 Y=1503060.85 ELEVATION=5201.826'

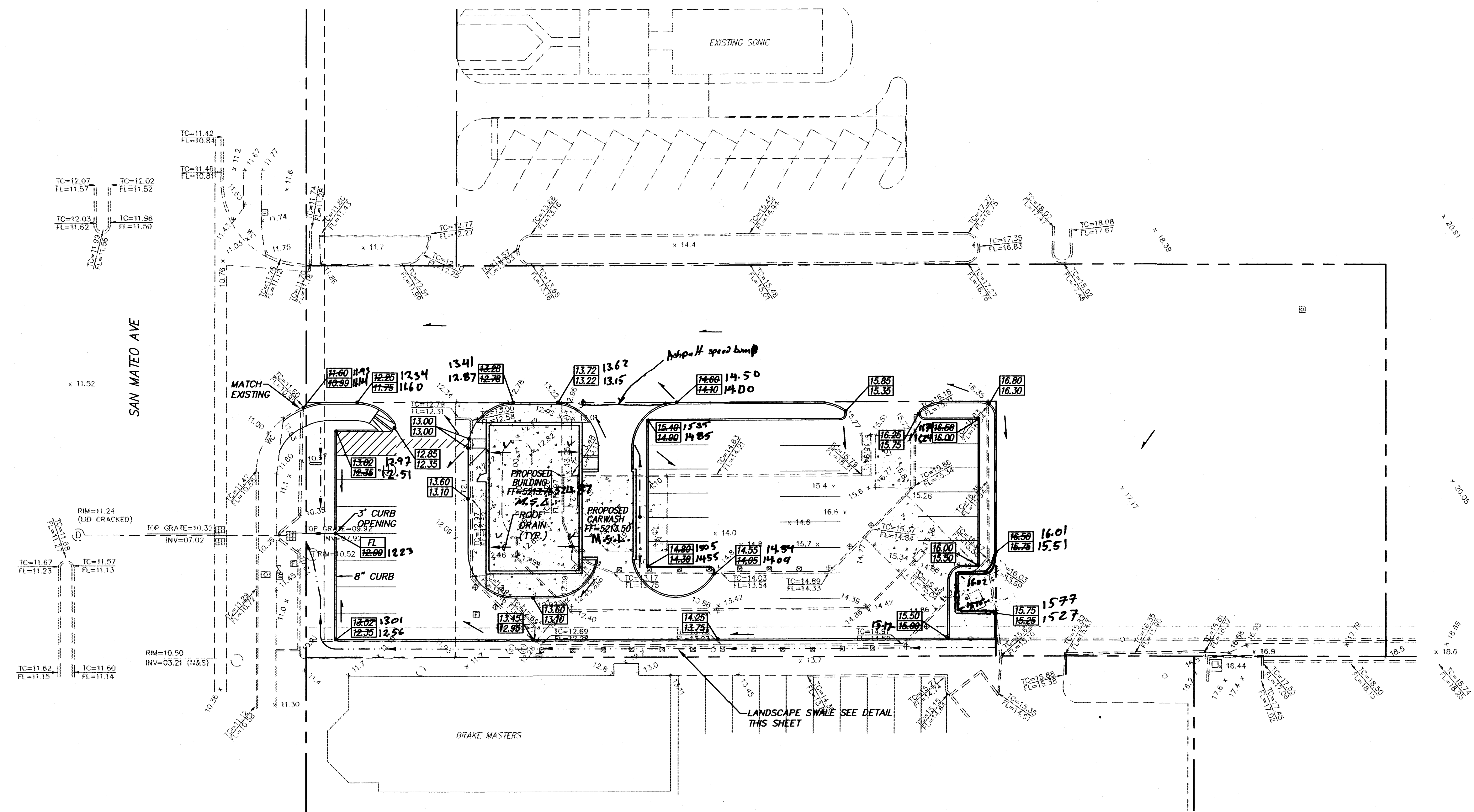
LEGAL DESCRIPTION
 TRACT A-1-B GOODWILL INDUSTRIES WITHIN THE ELENA GALLEGOS GRANT CITY OF ALBUQUERQUE BERNALILLO COUNTY, NEW MEXICO.

- LEGEND**
- PROPOSED TOP OF CURB AND FLOWLINE SPOT ELEVATION
 - EXISTING TOP OF CURB AND FLOWLINE SPOT ELEVATION
 - EXISTING SPOT ELEVATION
 - PROPOSED CURB
 - PROPOSED LANDSCAPE SWALE
 - PROPERTY LINE
 - PROPOSED FLOW ARROW

ENTERPRISE - SAN MATEO AVE GRADING AND DRAINAGE PLAN

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Designed: DPS	Drawn: KJS, WLW	Checked: DMG	Sheet 1 of 1
Scale: 1" = 20'	Date: 5/98	Job: 98024	



DRAINAGE CALCULATIONS

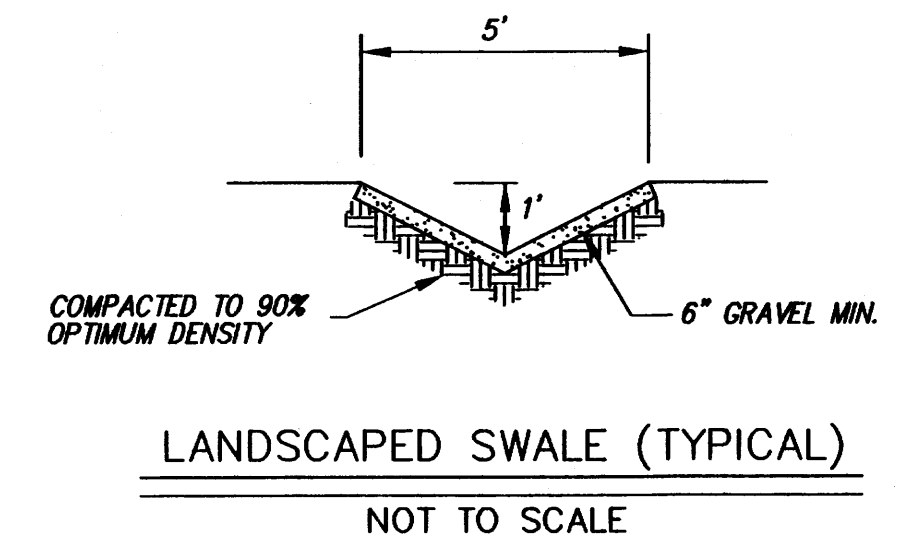
ZONE=3
 $P_{100}=2.14$
 $P_{300}=2.60$
 $P_{1000}=3.10$
 $D_r=0.033$ HR
 $T_p=0.133$ HR

EXISTING CONDITION
 $A_{total}=0.000839$ SQ. MI.
 TYPE "A"= 00.0%
 TYPE "B"= 00.0%
 TYPE "C"= 10.0%
 TYPE "D"= 90.0%
 $Q_{peak}=2.59$ CFS

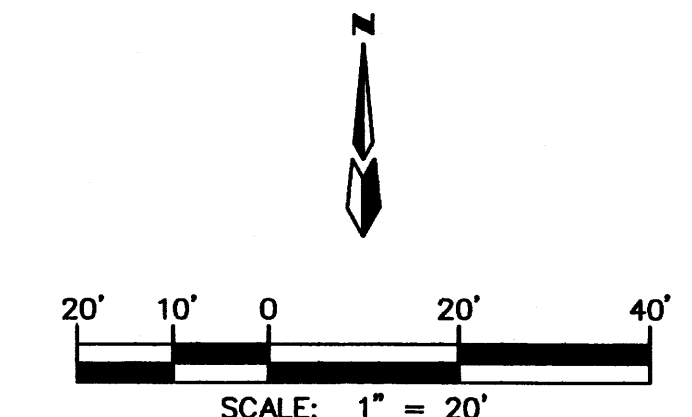
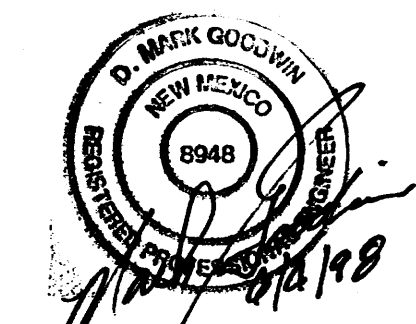
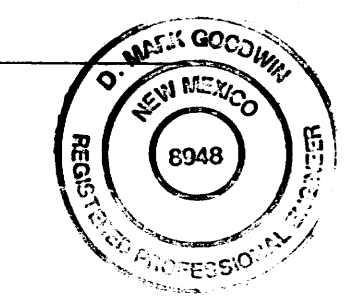
PROPOSED CONDITION
 $A_{total}=0.000839$ SQ. MI.
 TYPE "A"= 00.0%
 TYPE "B"= 00.0%
 TYPE "C"= 10.0%
 TYPE "D"= 90.0%
 $Q_{peak}=2.59$ CFS

CURB OPENING CAPACITY
 $Q_{curbmax}=2.91$ CFS
 $Q_{curbmin}=2.59$ CFS

THE EXISTING SITE CONTAINS SEVERAL CONCRETE SLABS WHICH WERE PREVIOUSLY USED FOR BUILDINGS, AND PAVEMENT WITH SMALL LANDSCAPE AREAS. THE EXISTING SITE DRAINS FROM EAST TO WEST WERE THE DEVELOPED STORM RUNOFF IS CAPTURED BY AN INLET LOCATED AT THE WEST PROPERTY LINE. THE EXISTING SITE IS NOT IMPACTED BY OFFSITE FLOWS. THE PROPOSED IMPROVEMENTS WILL NOT INCREASE NOR DECREASE THE DEVELOPED FLOWS. THE EXISTING DRAINAGE PATTERNS WILL NOT BE ALTERED.



RECORD DRAWING
 I hereby certify that the information contained on this drawing has been revised in accordance with information furnished by the Surveyor, Joaquin Arguelles, Jr., and reflects the construction as actually accomplished. This plan as constructed is in substantial compliance with the Approved Plan.
 Mark Goodwin 10/22/98
 Mark Goodwin NMPE 8948



TOPO: 98036TP.DWG 3-20-98
 SITE PLAN: A1-SITE.DWG 4-15-98
 8024ent/8024GD20/06-04-98/WLV