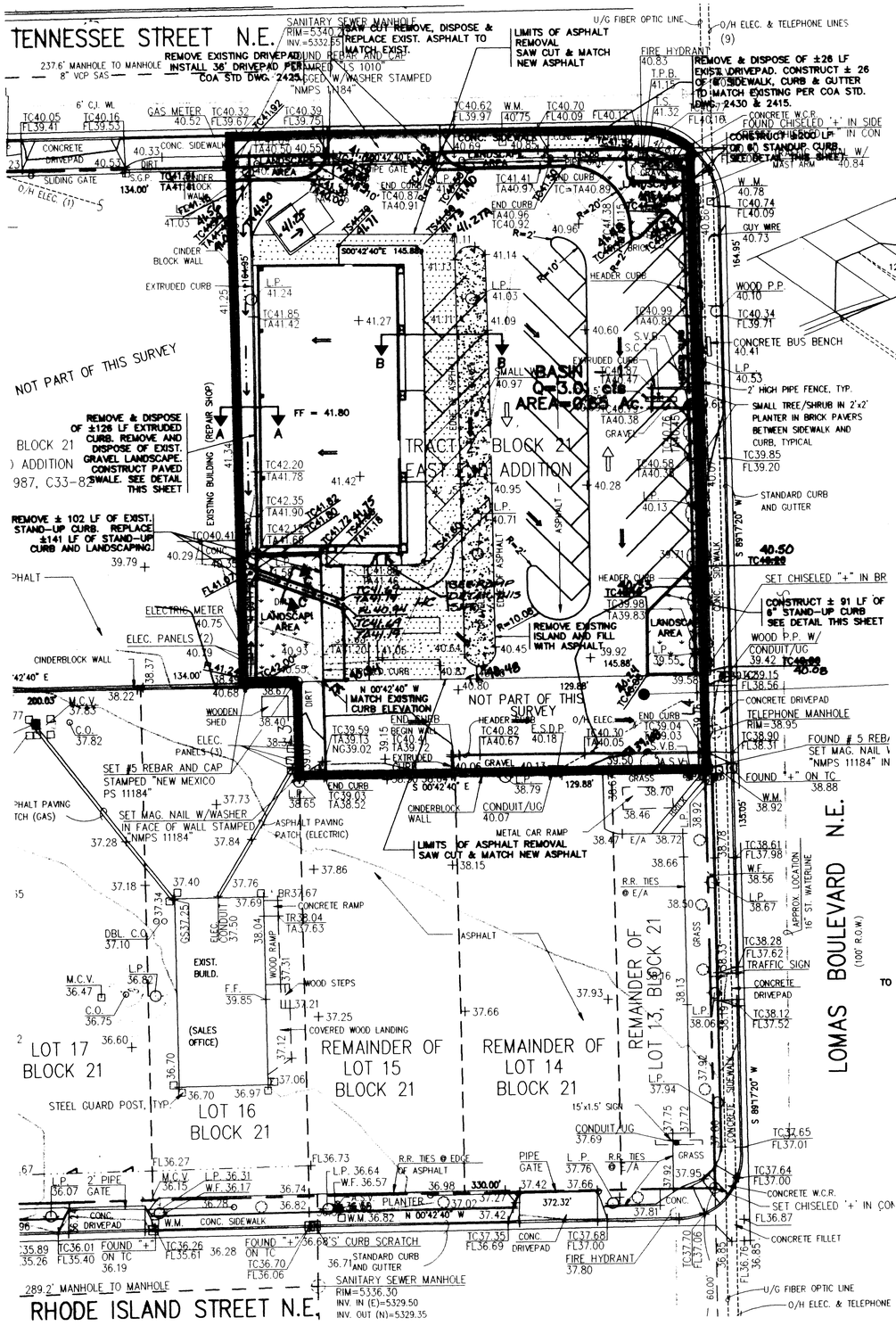
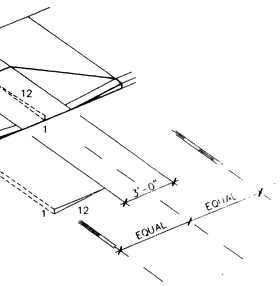




RAMP DETAIL
NTS

DRAINAGE REPORT

Existing Conditions

The area consists of a single basin, *Basin-1*. Basin-1 encompasses an asphalt parking lot and isolated landscaping islands located around the perimeter and in the middle of the basin. The parking area slopes southwest at approximately 0.75% onto the Lomas Boulevard existing storm drain. Table 1 shows a detail breakdown of the existing land treatments including volumetric runoff and peak flow. A 100-year, 6-hour storm criterion, *Development Process Manual "Section 22.2 Hydrology"*, was used in analyzing the basin.

Table 1

TREATMENT					
Basin	Area (acre)	%C	%D	V_{360} (acre-ft)	Q_p (cfs)
1	.65	12.2	87.8	0.12	3.14

Proposed Conditions

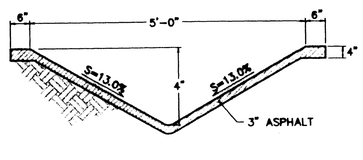
Basin-1 will include a new building approximately 4050 ft², a re-striped parking area, new landscaping which will cover the west side of the basin, approximately 750 ft² of new sidewalk installed around the building, a graded and an asphalt swale, and the SE entrance will be closed. The 100-year, 6-hour storm criterion was used in analyzing the basin. Table 2 shows a detail breakdown of the proposed land treatments including volumetric runoff and peak flow.

Table 2

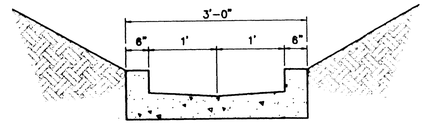
TREATMENT					
Basin	Area (acre)	%C	%D	V_{360} (acre-ft)	Q_p (cfs)
1	.65	20.3	79.7	0.114	3.01

Conclusions

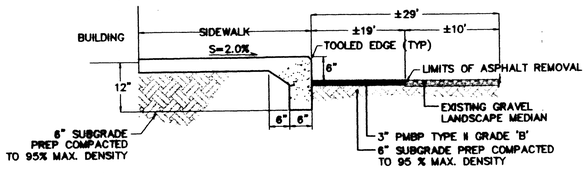
The proposed improvements to the site does not change the drainage limits of the basin. The volumetric runoff and peak discharge have been slightly reduced but have no significant impact on the existing drainage.



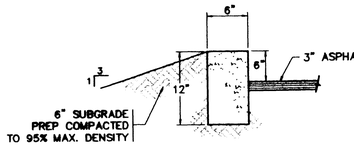
SECTION A–A
ASPHALT SWALE DETAIL
NTS



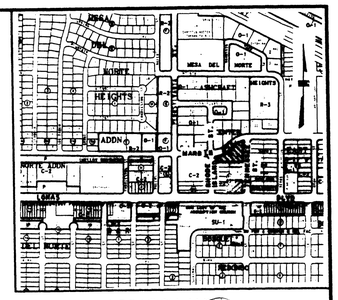
SECTION C–C
CONCRETE RUNDOWN DETAIL
NTS



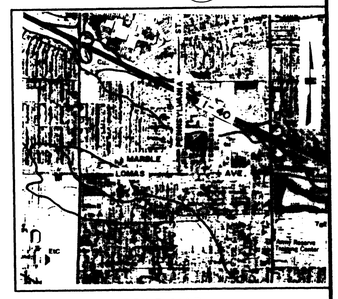
SECTION B–B
CONCRETE TURNDOWN SIDEWALK
NTS



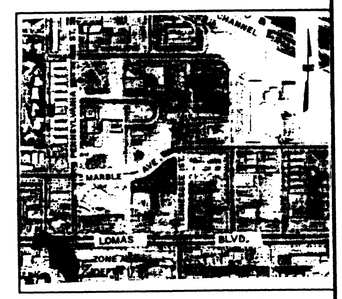
SECTION DETAIL
STAND–UP CURB
NTS



LOCATION MAP
ZONE ATLAS MAP NO. J-19 & K-19



SOILS MAP
REFERENCE: SCS BERNALILLO COUNTY SOIL SURVEY SHEET NO. 31



FLOOD INSURANCE MAP
REFERENCE: FLOOD INSURANCE STUDY PANEL 30

APR 15 1999

LEGAL DESCRIPTION

TRACT Z, BLOCK 21 EAST END ADDITION
FILED 4–23–1974, C9–180

BENCH MARK

A STANDARD ACS 3 1/4" ALUMINUM CAP STAMPED "ACS 17–K19 1990", SET FLUSH IN THE CURB OF THE EAST MEDIAN NOSE AT THE INTERSECTION OF LOMAS BOULEVARD N.E. AND TENNESSEE STREET N.E.
ELEVATION = 5341.78 FEET (M.S.L.D.)

DANIEL S. AGUIRRE NEW MEXICO 11955 REGISTERED PROFESSIONAL ENGINEER
4-15-99

ENGINEER'S CERTIFICATION

I, DANIEL S. AGUIRRE, DO HEREBY CERTIFY THAT THIS SITE IS GRADED AS HEREON AND IS IN SUBSTANTIAL COMPLIANCE WITH THE APPROVED DRAINAGE PLAN.

GRAPHIC SCALE

30 0 10 20 40 80
(IN FEET)
1 inch = 20 ft.

LEGEND

- 5070 — EXISTING INTERMEDIATE CONTOUR
- 5071 — EXISTING INDEX CONTOUR
- + 5359.15 — EXISTING SPOT ELEVATION
- TC41.7 — PROPOSED TOP OF CURB ELEVATION
- ⇒ — PROPOSED FLOWLINE
- PROPOSED SWALE
- PROPOSED ASPHALT
- EXISTING ASPHALT REMOVAL AND REPLACEMENT
- BASIN BOUNDARY
- PROPOSED LANDSCAPING

QUALITY JEEP–EAGLE CHRYSLER–PLYMOUTH
8101 LOMAS BLVD. N.E.
ALBUQUERQUE, NEW MEXICO 87110

GRADING & DRAINAGE PLAN

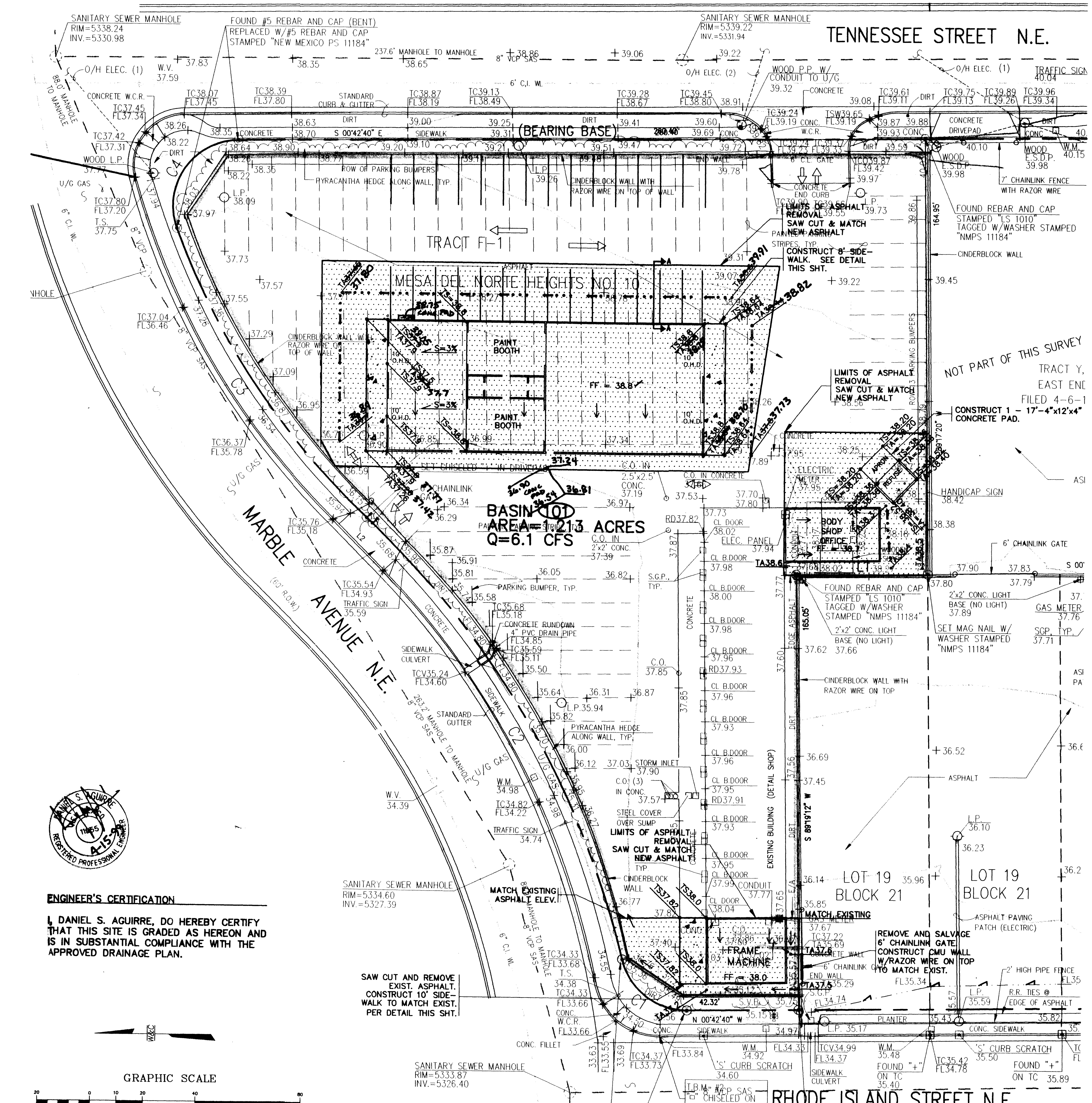
DESIGN	DRAWN	DATE
DSA	VKL	OCTOBER 1998

WILSON & COMPANY
4775 INDIAN SCHOOL ROAD N.E.
SUITE 200
ALBUQUERQUE, NEW MEXICO
87110
(505) 254–4000

FILE NO. 98093

SHEET NO. 1 OF 1
C–1

98093\VKL\98093GDC.DWG\10-21-98\VKL



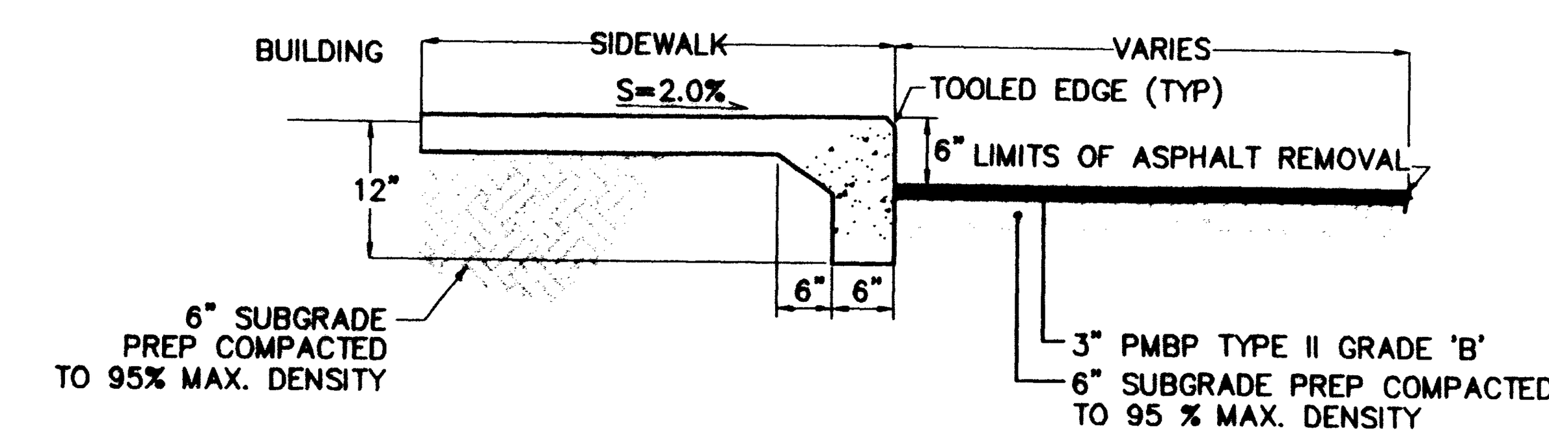
ENGINEER'S CERTIFICATION

I, DANIEL S. AGUIRRE, DO HEREBY CERTIFY THAT THIS SITE IS GRADED AS HEREON AND IS IN SUBSTANTIAL COMPLIANCE WITH THE APPROVED DRAINAGE PLAN.

GRAPHIC SCALE

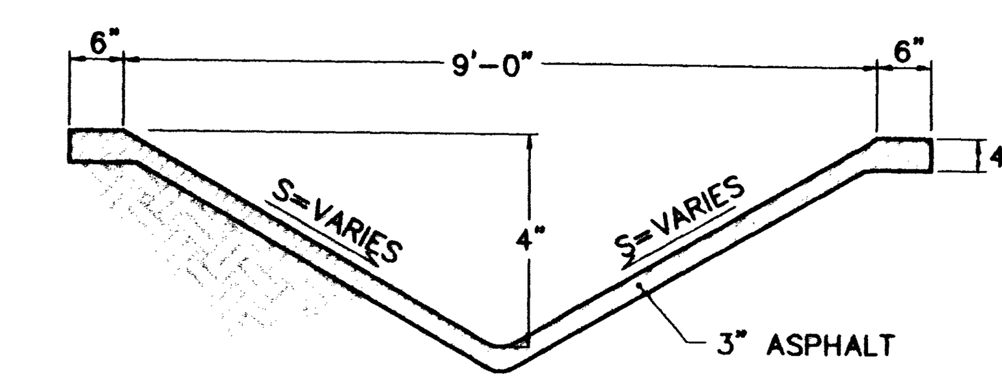
20 0 10 20 40 80

(IN FEET)
1 inch = 20 ft.



CONCRETE TURNDOWN SIDEWALK

NTS



SECTION A-A

ASPHALT SWALE DETAIL

NTS

DRAINAGE REPORT

Existing Conditions

The area consists of a single basin, *Basin 101*. Basin 101 encompasses an asphalt parking lot and isolated dirt strip located on the south end of the basin between the existing paint shop and the CMU wall. The parking area slopes southwest at approximately 0.5% onto the Rhode Island St. NE and Marble Avenue NE existing storm drain system. Table 1 shows a detail breakdown of the existing land treatments including volumetric runoff and peak flow. A 100-year, 6-hour storm criterion, *Development Process Manual "Section 22.2 Hydrology"*, was used in analyzing the basin.

Table 1

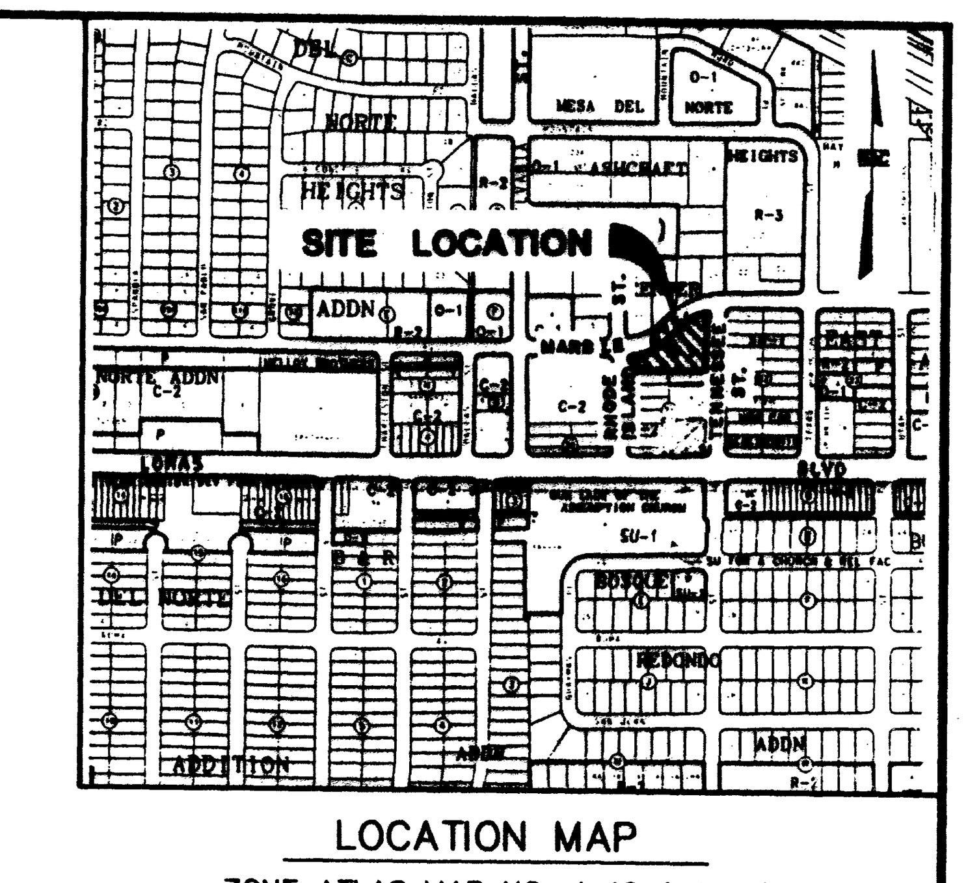
TREATMENT					
Basin	Area (acre)	%C	%D	V_{360} (acre-ft)	Q_p (cfs)
101	1.213	1.38	98.62	0.237	6.06

Proposed Conditions

Basin 101 will include a new Paint Shop building approximately 6000 ft^2, a re-striped parking area, new refuse area, a 740 ft^2 Body Shop Office southeast of the existing detail shop, and a Frame Machine Shop addition directly west of the detail shop. In addition, approximately 1050 ft^2 of new sidewalk located North and South of the proposed Paint Shop and North of the Frame Machine addition will be constructed.

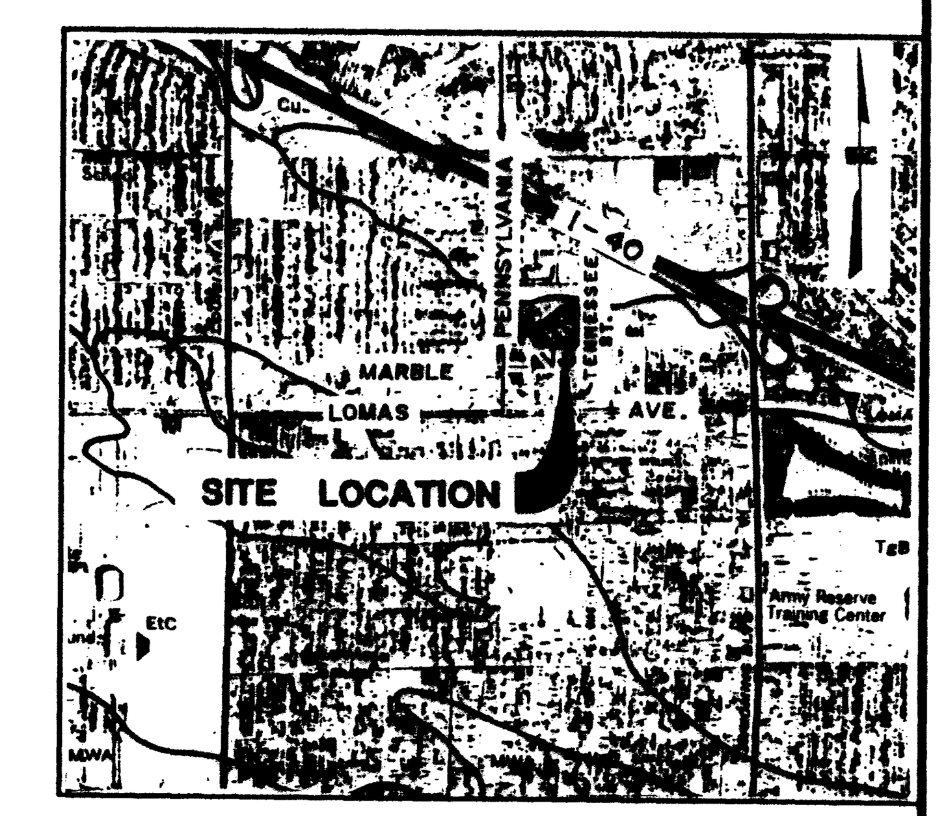
Conclusions

The proposed improvements to the site do not change the drainage limits of the basin, nor affect the volumetric runoff or peak discharge. Hence, no significant impact on the existing drainage has been made.



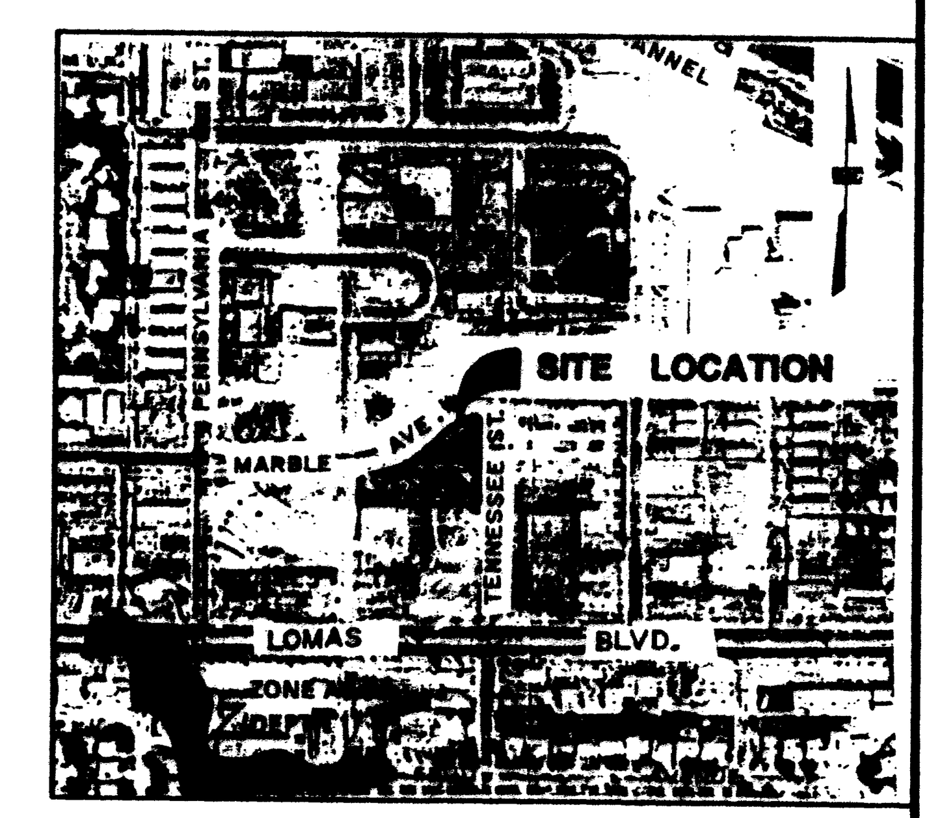
LOCATION MAP

ZONE ATLAS MAP NO. J-19 & K-19



SOILS MAP

REFERENCE: SCS BERNALILLO COUNTY SOIL SURVEY SHEET NO. 31



FLOOD INSURANCE MAP

REFERENCE: FLOOD INSURANCE STUDY PANEL 30

LEGAL DESCRIPTION

TRACT F-1, MESA DEL NORTE HEIGHTS NO. 10. FILED APRIL 21, 1994, BLOCK 94C, PAGE 135.

BENCH MARK

A STANDARD ACS 3 1/4" ALUMINUM CAP STAMPED "ACS 17-K19 1990", SET FLUSH IN THE CURB OF THE EAST MEDIAN NOSE AT THE INTERSECTION OF LOMAS BOULEVARD N.E. AND TENNESSEE STREET N.E. ELEVATION = 5341.78 FEET (M.S.L.D.)

LEGEND

Symbol	Description
5070	EXISTING INTERMEDIATE CONTOUR
5071	EXISTING INDEX CONTOUR
+ 5359.15	EXISTING SPOT ELEVATION
TC41.7	PROPOSED SPOT ELEVATION
BASIN (101)	BASIN DESIGNATION
	PROPOSED BASIN BOUNDARY
	EXISTING ASPHALT REMOVAL AND REPLACEMENT
	PROPOSED LANDSCAPING
←	DIRECTION OF FLOW
← • • •	PROPOSED SWALE

QUALITY PONTIAC CHRYSLER-PLYMOUTH
8101 LOMAS BLVD. N.E.
ALBUQUERQUE, NEW MEXICO 87110

GRADING & DRAINAGE PLAN

DESIGN	DRAWN	DATE
MJI	VKL	OCTOBER 1998

10/30/98

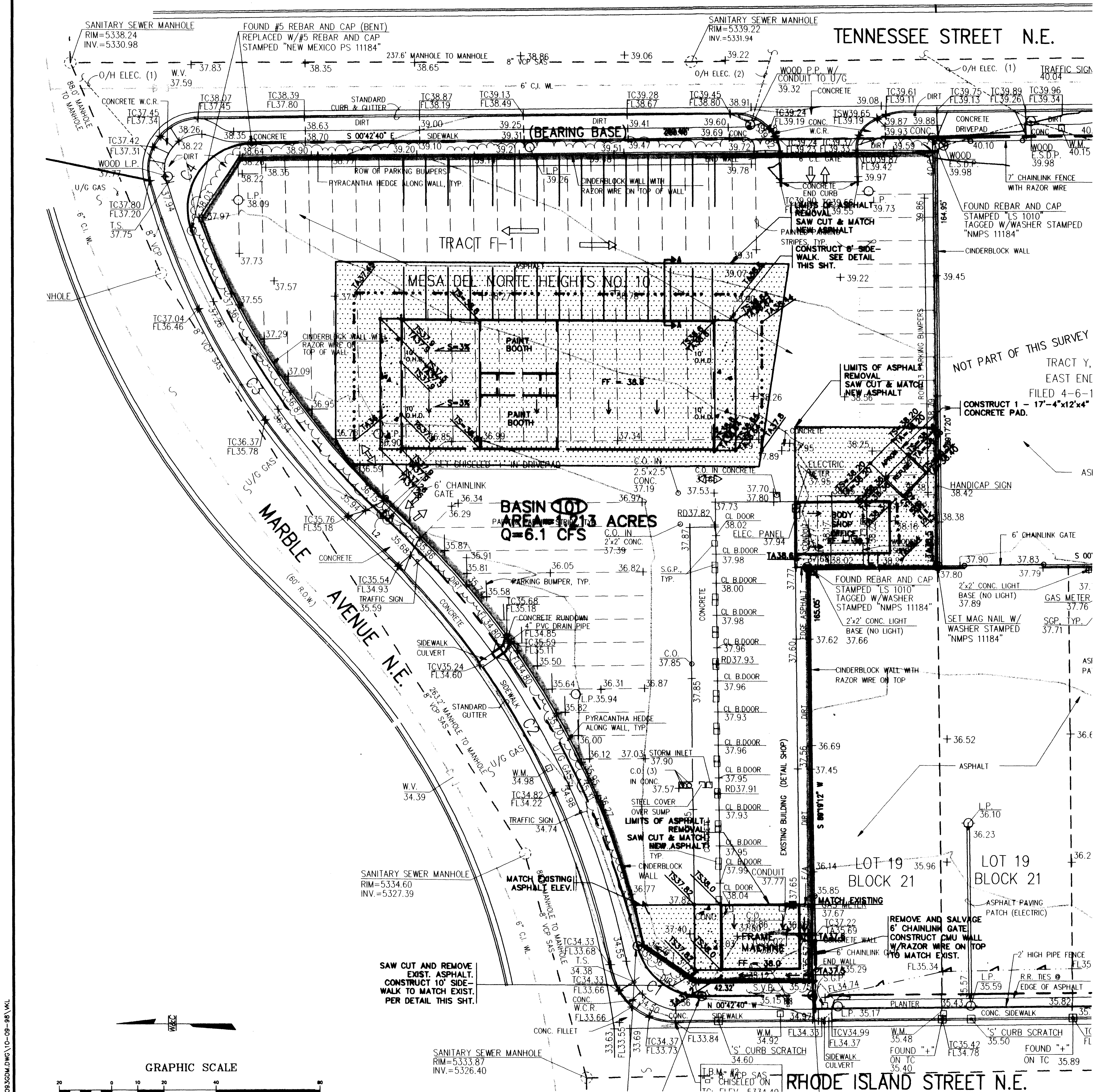
WILSON
&COMPANY
4775 INDIAN SCHOOL ROAD N.E.
SUITE 200
ALBUQUERQUE, NEW MEXICO
87110
(505) 254-4000

FILE NO. 98093

SHEET NO. 1 OF 1

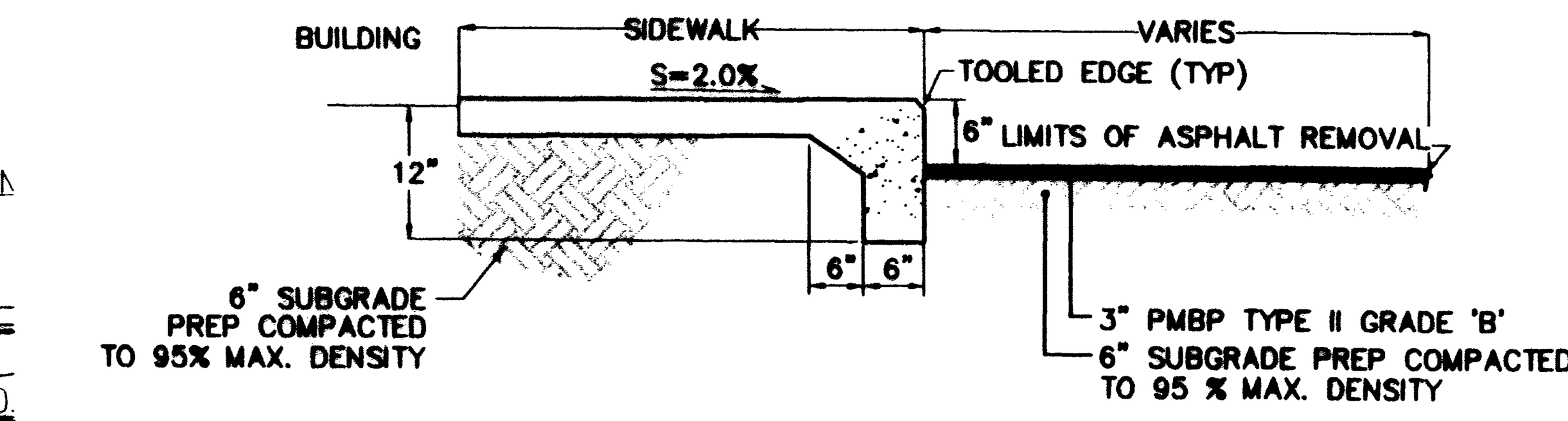
C-1

98093\M\SHEETS\M8093GDM.DWG\10-09-98\VKL



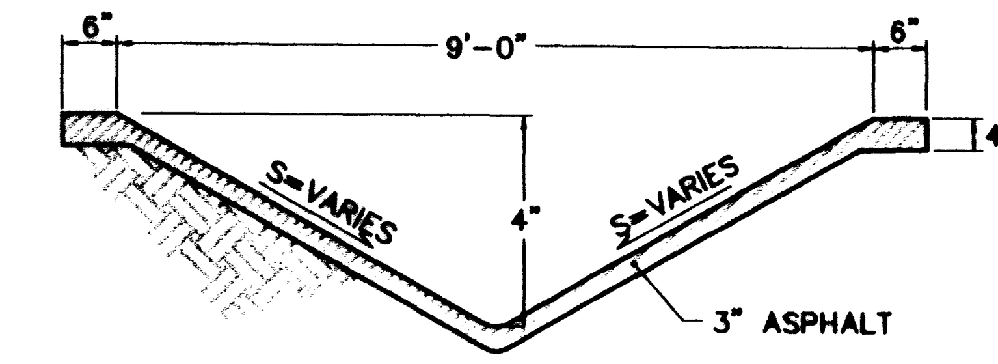
GRAPHIC SCALE

(IN FEET)
1 inch = 20 ft.



CONCRETE TURNDOWN SIDEWALK

NTS



SECTION A-A

ASPHALT SWALE DETAIL

NTS

DRAINAGE REPORT

Existing Conditions

The area consists of a single basin, *Basin 101*. Basin 101 encompasses an asphalt parking lot and isolated dirt strip located on the south end of the basin between the existing paint shop and the CMU wall. The parking area slopes southwest at approximately 0.5% onto the Rhode Island St. NE and Marble Avenue NE existing storm drain system. Table 1 shows a detail breakdown of the existing land treatments including volumetric runoff and peak flow. A 100-year, 6-hour storm criterion, *Development Process Manual "Section 22.2 Hydrology"*, was used in analyzing the basin.

Table 1

TREATMENT					
Basin	Area (acre)	%C	%D	V_{360} (acre-ft)	Q_p (cfs)
101	1.213	1.38	98.62	0.237	6.06

Proposed Conditions

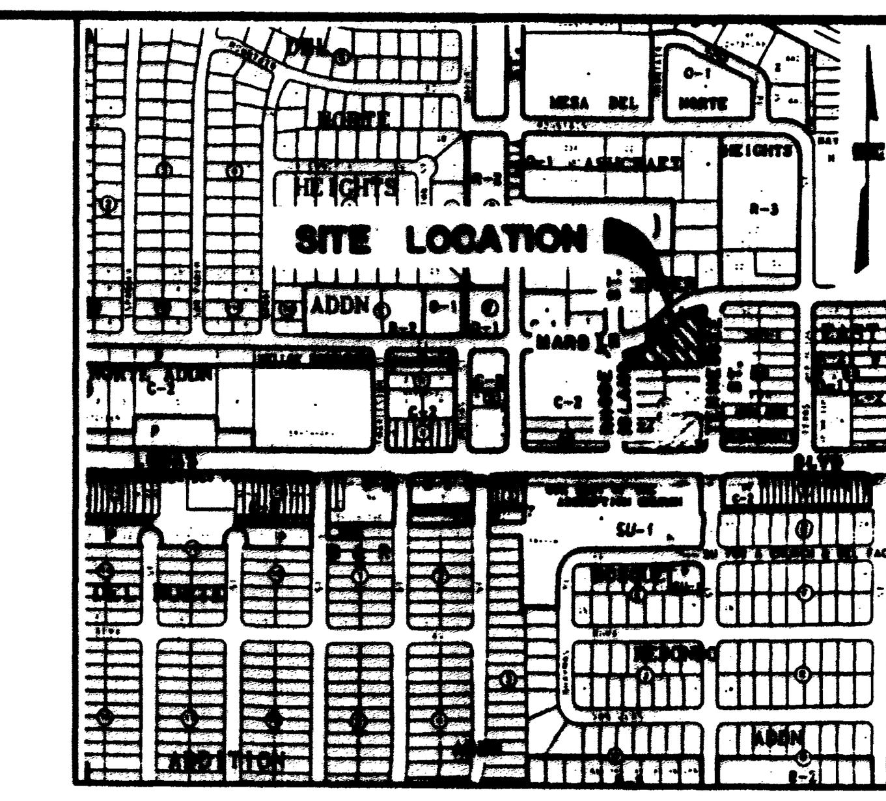
Basin 101 will include a new Paint Shop building approximately 6000 ft^2, a re-striped parking area, new refuse area, a 740 ft^2 Body Shop Office southeast of the existing detail shop, and a Frame Machine Shop addition directly west of the detail shop. In addition, approximately 1050 ft^2 of new sidewalk located North and South of the proposed Paint Shop and North of the Frame Machine addition will be constructed.

Conclusions

The proposed improvements to the site do not change the drainage limits of the basin, nor affect the volumetric runoff or peak discharge. Hence, no significant impact on the existing drainage has been made.

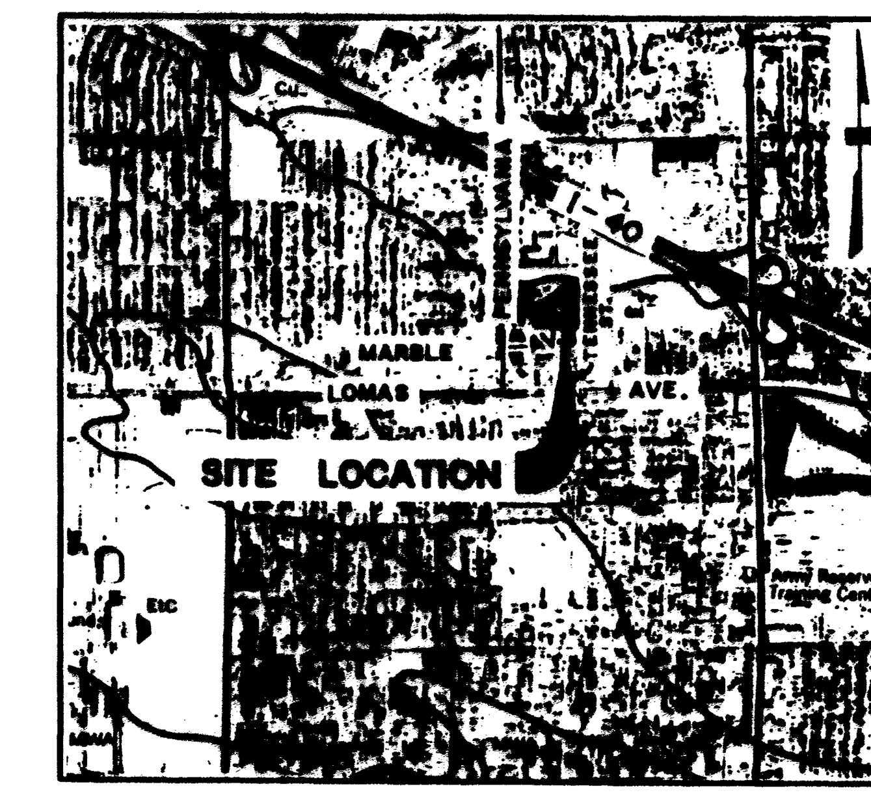
LEGEND

5070	EXISTING INTERMEDIATE CONTOUR
5071	EXISTING INDEX CONTOUR
+ 5359.15	EXISTING SPOT ELEVATION
TC41.7	PROPOSED SPOT ELEVATION
BASIN (101)	BASIN DESIGNATION
	PROPOSED BASIN BOUNDARY
	EXISTING ASPHALT REMOVAL AND REPLACEMENT
	PROPOSED LANDSCAPING
←	DIRECTION OF FLOW
← • • •	PROPOSED SWALE



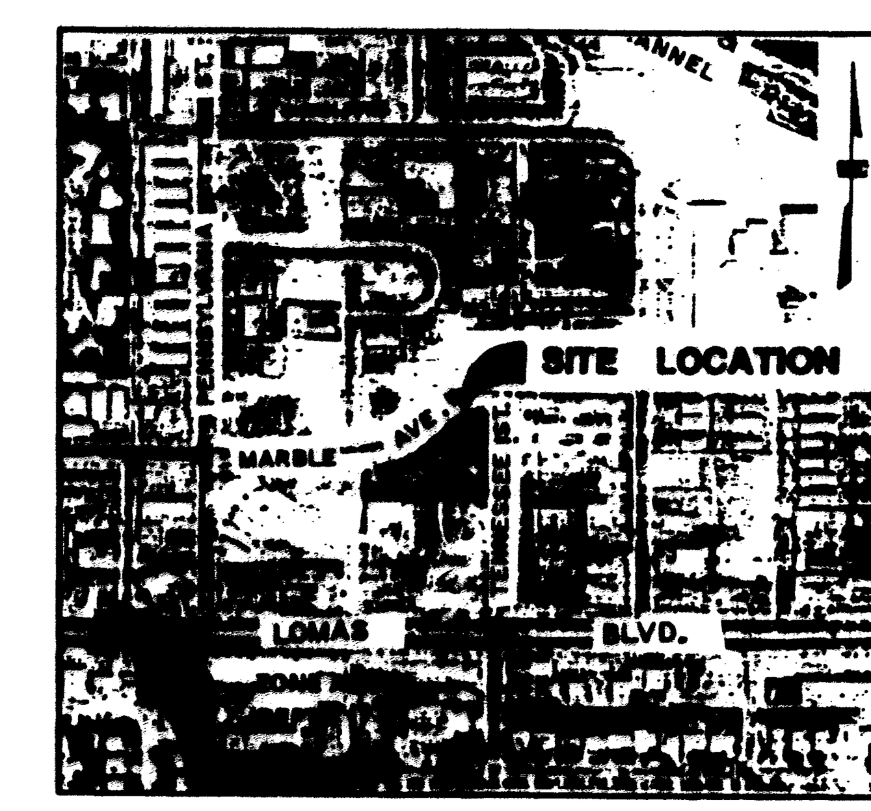
LOCATION MAP

ZONE ATLAS MAP NO. J-19 & K-19



SOILS MAP

REFERENCE: SCS BERNALILLO COUNTY SOIL SURVEY SHEET NO. 31



FLOOD INSURANCE MAP

REFERENCE: FLOOD INSURANCE STUDY PANEL 30

OCT 30 1998
HYDROLOGY SECTION

LEGAL DESCRIPTION

TRACT F-1, MESA DEL NORTE HEIGHTS NO. 10. FILED APRIL 21, 1994, BLOCK 94C, PAGE 135.

BENCH MARK

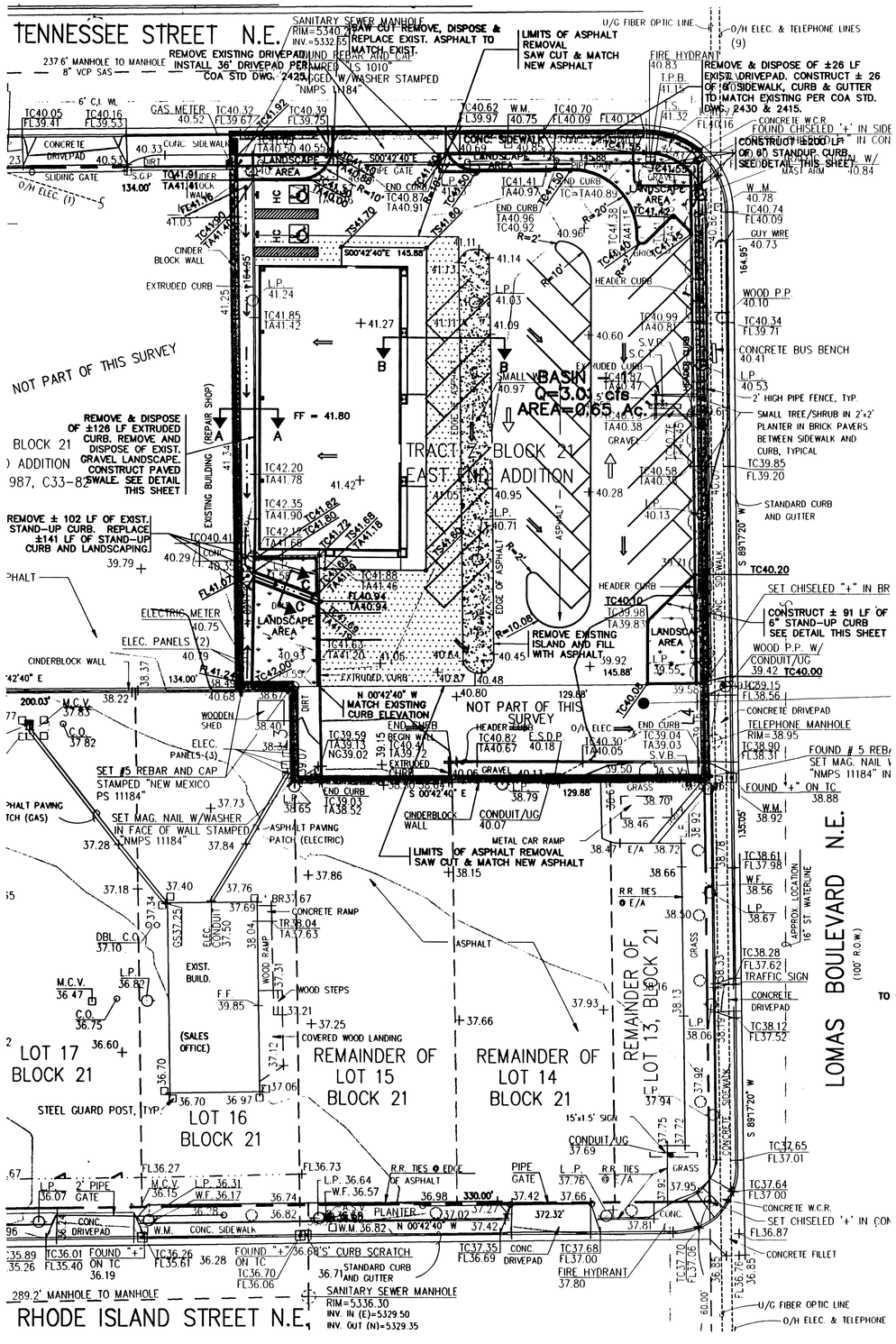
A STANDARD ACS 3 1/4" ALUMINUM CAP STAMPED "ACS 17-K19 1990", SET FLUSH IN THE CURB OF THE EAST MEDIAN NOSE AT THE INTERSECTION OF LOMAS BOULEVARD N.E. AND TENNESSEE STREET N.E.
ELEVATION = 5341.78 FEET (M.S.L.D.)

QUALITY PONTIAC CHRYSLER-PLYMOUTH
8101 LOMAS BLVD. N.E.
ALBUQUERQUE, NEW MEXICO 87110

GRADING & DRAINAGE PLAN

DESIGN	DRAWN		DATE
MJI	VKL	WILSON & COMPANY 4775 INDIAN SCHOOL ROAD N.E. SUITE 200 ALBUQUERQUE, NEW MEXICO 87110 (505) 254-4000	OCTOBER 1998
			FILE NO. 98093
			SHEET NO. 1 OF 1
			C-1

9809\W\SHEETS\W8093GDM.DWG|10-09-98|VKL



DRAINAGE REPORT

Existing Conditions

The area consists of a single basin, *Basin-1*. Basin-1 encompasses an asphalt parking lot and isolated landscaping islands located around the perimeter and in the middle of the basin. The parking area slopes southwest at approximately 0.75% onto the Lomas Boulevard existing storm drain. Table 1 shows a detail breakdown of the existing land treatments including volumetric runoff and peak flow. A 100-year, 6-hour storm criterion, *Development Process Manual "Section 22.2 Hydrology"*, was used in analyzing the basin.

Table 1

TREATMENT					
Basin	Area (acre)	%C	%D	V_{360} (acre-ft)	Q_p (cfs)
1	.65	12.2	87.8	0.12	3.14

Proposed Conditions

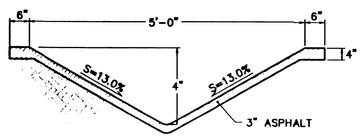
Basin-1 will include a new building approximately 4050 ft², a re-striped parking area, new landscaping which will cover the west side of the basin, approximately 750 ft² of new sidewalk installed around the building, a graded and an asphalt swale, and the SE entrance will be closed. The 100-year, 6-hour storm criterion was used in analyzing the basin. Table 2 shows a detail breakdown of the proposed land treatments including volumetric runoff and peak flow.

Table 2

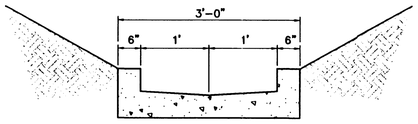
TREATMENT					
Basin	Area (acre)	%C	%D	V_{360} (acre-ft)	Q_p (cfs)
1	.65	20.3	79.7	0.114	3.01

Conclusions

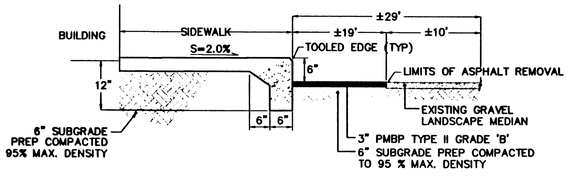
The proposed improvements to the site does not change the drainage limits of the basin. The volumetric runoff and peak discharge have been slightly reduced but have no significant impact on the existing drainage.



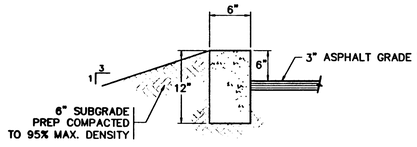
SECTION A–A
ASPHALT SWALE DETAIL
NTS



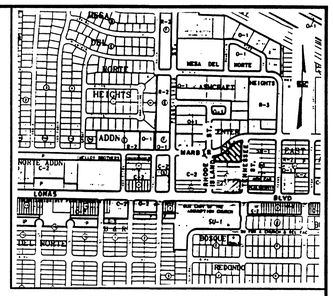
SECTION C–C
CONCRETE RUNDOWN DETAIL
NTS

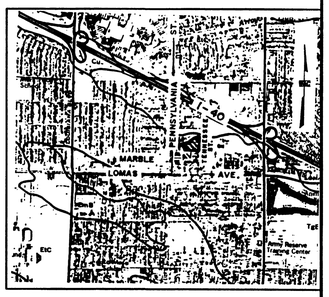


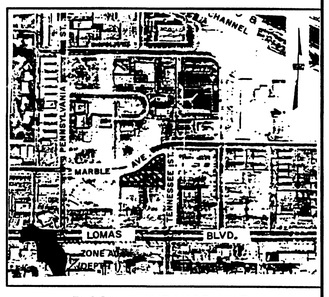
SECTION B–B
CONCRETE TURNDOWN SIDEWALK
NTS



SECTION DETAIL
STAND–UP CURB
NTS







OCT 22 1998
HYDROLOGY SECTION

LEGAL DESCRIPTION

TRACT Z, BLOCK 21 EAST END ADDITION
FILED 4–23–1974, C9–180

BENCH MARK

A STANDARD ACS 3 1/4" ALUMINUM CAP STAMPED "ACS 17–K19 1990", SET FLUSH IN THE CURB OF THE EAST MEDIAN NOSE AT THE INTERSECTION OF LOMAS BOULEVARD N.E. AND TENNESSEE STREET N.E.
ELEVATION = 5341.78 FEET (M.S.L.D.)

LEGEND

- 5070 — EXISTING INTERMEDIATE CONTOUR
- 5071 — EXISTING INDEX CONTOUR
- + 5359.15 — EXISTING SPOT ELEVATION
- TC41.7 — PROPOSED TOP OF CURB ELEVATION
- ⟹ — PROPOSED FLOWLINE
- PROPOSED SWALE
- PROPOSED ASPHALT
- EXISTING ASPHALT REMOVAL AND REPLACEMENT
- BASIN BOUNDARY
- PROPOSED LANDSCAPING

QUALITY JEEP–EAGLE CHRYSLER–PLYMOUTH
8101 LOMAS BLVD. N.E.
ALBUQUERQUE, NEW MEXICO 87110

GRADING & DRAINAGE PLAN

DESIGN	DRAWN	DATE
DSA	VKL	OCTOBER 1998

DANIEL SILVA NEW MEXICO 11096 REGISTERED PROFESSIONAL ENGINEER 10-20-98

WILSON & COMPANY
4775 INDIAN SCHOOL ROAD N.E.
SUITE 200
ALBUQUERQUE, NEW MEXICO
87110
(505) 254–4000

FILE NO. 98093

SHEET NO. 1 OF 1

C–1

98093\VK\SHEETS\98093DL.DWG\10-21-98\VKL

159098

DRAINAGE PLAN

The following items concerning the Quality Jeep Eagle Drainage Plan are contained hereon:

1. Vicinity Map
2. Grading Plan
3. Calculations

As shown by the Vicinity Map, the site is located on the south side of Marble Avenue N.E., between Rhode Island Street N.E. and Tennessee Street N.E. At present, the site is undeveloped. The properties to the south, as well as the adjacent blocks, are developed commercially, making this an infill site. It is proposed to develop this property as a detail shop and off-street parking for the Quality Jeep Eagle dealership. This use is consistent with much of the surrounding properties.

As shown by Panel 30 of 50 of the National Flood Insurance Program Flood Insurance Rate Maps for the City of Albuquerque, New Mexico, dated October 14, 1983, this site does not lie within a designated flood hazard zone. The site currently drains from southeast to northwest onto Marble Avenue N.E. Marble Avenue N.E. drains west toward Pennsylvania Street N.E. where runoff is collected by the System 203-02A Improvements as identified on Plate J-19 of the Albuquerque Master Drainage Study, Volume 3. From this point, the runoff is conveyed in a northerly direction to the North Diversion Channel. Inasmuch, the runoff generated by this site does not contribute to a designated downstream flood hazard zone.

The Grading Plan shows 1) existing and proposed grades indicated by spot elevations and contours at 1'0" intervals, 2) the limit and character of existing improvements, 3) the limit and character of the proposed improvements, and 4) continuity between existing and proposed grades. As indicated by this plan, the proposed improvements consist of the construction of a building, paving, perimeter wall and landscaping. The developed runoff of the site will be drained in a southeast to northwest fashion to discharge to a sidewalk culvert into Marble Avenue N.E. A small portion of the site will outlet through a 4" PVC curb penetration onto Rhode Island Street N.E. Rhode Island Street N.E. drains north to Marble Avenue N.E., thereby maintaining the existing drainage pattern of the site. Due to the fact that the site is surrounded on the west, north, and east by existing fully improved public streets, and on the south by a continuous block wall, offsite flows will not enter this site. Due to the fact that this is an infill site, the presence of downstream drainage improvements, the absence of designated downstream flooding, and compatibility with the existing drainage pattern of the site and surrounding area, the free discharge of developed runoff from this site is appropriate.

The Calculations which appear hereon analyze both the existing and developed conditions for the 100-year, 6-hour rainfall event. The Procedure for 40-acre and Smaller Basins, as set forth in the Revision of Section 22.2, Hydrology of the Development Process Manual, Volume 2, Design Criteria, dated January, 1993, has been used to quantify the peak rate of discharge and volume of runoff generated by this site. As shown by these calculations, a slight increase in runoff is anticipated due to the proposed development.

CALCULATIONS

Site Characteristics

1. Precipitation Zone = 3
2. $P_{6,100} = P_{360}$ = 2.60
3. Total Area (A_T) = 1.3116 Acre, 57,135 sf
4. Existing Land Treatment

Treatment	Area (sf/ac)	%
B	43,072/0.9877	75.3
A	14,110/0.3239	24.7

5. Developed Land Treatment

Treatment	Area (sf/ac)	%
B	3,750/0.0861	6.6
D	53,385/1.2255	93.4

Existing Condition

1. Volume

$E_W = (E_A A_A + E_B A_B + E_C A_C + E_D A_D)/A_T$
$E_W = ((0.66)(0.3239)+(0.92)(0.9877))/1.3116 = 0.856$ in.
$V_{100} = (E_W/12)A_T$
$V_{100} = (0.8558/12)*(1.3116) = 0.0935$ ac.ft.; 4,075 cf

2. Peak Discharge

$Q_p = Q_{pA} A_A + Q_{pB} A_B + Q_{pC} A_C + Q_{pD} A_D$
$Q_p = Q_{100} = (0.3239)(1.87)+(0.9877)(2.60) = 3.17$ cfs

Developed Condition

1. Volume

$E_W = (E_A A_A + E_B A_B + E_C A_C + E_D A_D)/A_T$
$E_W = ((0.92)(0.0861)+(2.36)(1.2255))/1.3116 = 2.26$ in.
$V_{100} = (E_W/12)A_T$
$V_{100} = (2.26/12) * (1.3116) = 0.2476$ ac.ft.; 10,787 cf

2. Peak Discharge

$Q_p = Q_{pA} A_A + Q_{pB} A_B + Q_{pC} A_C + Q_{pD} A_D$
$Q_p = Q_{100} = (0.0861)(2.60)+(1.2255)(5.02) = 6.38$ cfs

Comparison

1. $\Delta V_{100} = 10,787 - 4,075 = 6,712$ cf (increase)
2. $\Delta Q_{100} = 6.38 - 3.17 = 3.21$ cfs (increase)

CONSTRUCTION NOTES:

1. Two (2) working days prior to any excavation, contractor must contact New Mexico One Call System 260-1990, 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 in writing so that the conflict can be resolved with a minimum amount 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 public right-of-way shall be performed in accordance with applicable City of Albuquerque Standards and Procedures.
5. If any utility lines, pipelines, or underground utility lines are shown on these drawings, they are shown in an approximate manner only, and such lines may exist where none are shown. If any such existing lines are shown, the location is based upon information provided by the owner of said utility, and the information may be incomplete, or may be obsolete by the time construction commences. The engineer has conducted only preliminary investigation of the location, depth, size, or type of existing utility lines, pipelines, or underground utility lines. This investigation is not conclusive, and may not be complete, therefore, makes no representation pertaining thereto, and assumes no responsibility or liability therefor. The contractor shall inform itself of the location of any utility line, pipeline, or underground utility line in or near the area of the work in advance of and during excavation work. The contractor is fully responsible for any and all damage caused by its failure to locate, identify and preserve any and all existing utilities, pipelines, and underground utility lines. In planning and conducting excavation, the contractor shall comply with state statutes, municipal and local ordinances, rules and regulations, if any, pertaining to the location of these lines and facilities.
6. 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.
7. Backfill compaction shall be according to ARTERIAL street use.
8. Maintenance of these facilities shall be the responsibility of the owner of the property served.
9. The design of planters and landscaped areas is not part of this plan. All planters and landscaped areas adjacent to the building(s) shall be provided with positive drainage to avoid any ponding adjacent to the structure. For construction details, refer to landscaping plan.

APPROVALS	NAME	DATE
A.C.E. / DESIGN	B Montoya	3/14/94
INSPECTOR		
A.C.E. / FIELD		

Erosion Control Measures

1. The contractor shall ensure that no soil erodes from the site into public right-of-way or onto private property. This can be achieved by constructing temporary berms at the property lines and wetting the soil to keep it from blowing.
2. The contractor shall promptly clean up any material excavated within the public right-of-way so that the excavated material is not susceptible to being washed down the street.
3. The contractor shall secure "Topsoil Disturbance Permit" prior to beginning construction.

VICINITY MAP J-19-Z
SCALE: 1"=750' (APPROX.)

LEGAL DESCRIPTION:

TRACT F, MESA DEL NORTE HEIGHTS, UNIT 10; LOT 6, BLOCK 21, EAST END ADDITION

NOTICE:

THIS IS NOT A BOUNDARY SURVEY. BOUNDARY INFORMATION OBTAINED FROM TOPOGRAPHIC AND ALTA SURVEY PREPARED BY THIS OFFICE DATED 01-07-94.

RECEIVED
MAR - 8 1994
HYDROLOGY DIVISION

JEFFREY G. MORTENSEN NEW MEXICO 8547 REGISTERED PROFESSIONAL ENGINEER
03-8-94

JEFF MORTENSEN & ASSOCIATES, INC.
6010-B MIDWAY PARK BLVD. N.E.
ALBUQUERQUE, NEW MEXICO 87109
ENGINEERS & SURVEYORS (505)345-4250

DRAINAGE PLAN

QUALITY JEEP EAGLE

DESIGNED BY JGM
DRAWN BY STU
APPROVED BY JGM

NO.	DATE	BY	REVISIONS

JOB NO. 930863
DATE 03/94
SHEET 2 OF 2

PROJECT BENCHMARK

CITY OF ALBUQUERQUE BENCHMARK "17–K19". A STANDARD ASC 3 1/4" ALUMINUM CAP STAMPED "ACS 17–K19 1990". SET FLUSH IN THE GROUND. LOCATED AT THE INTERSECTION OF LOMAS BLVD. N.E. & TENNESSEE STREET N.E. ELEVATION = 5341.78'(M.S.L.D.)

T.B.M.

A CHISELED "□", ON TOP OF CURB LOCATED ON THE WEST CURB OF TENNESSEE STREET N.E. AS SHOWN BELOW.
ELEVATION = 5339.57'(M.S.L.D.)

LEGAL DESCRIPTION:

TRACT F, MESA DEL NORTE HEIGHTS, UNIT 10; LOT 6, BLOCK 21, EAST END ADDITION

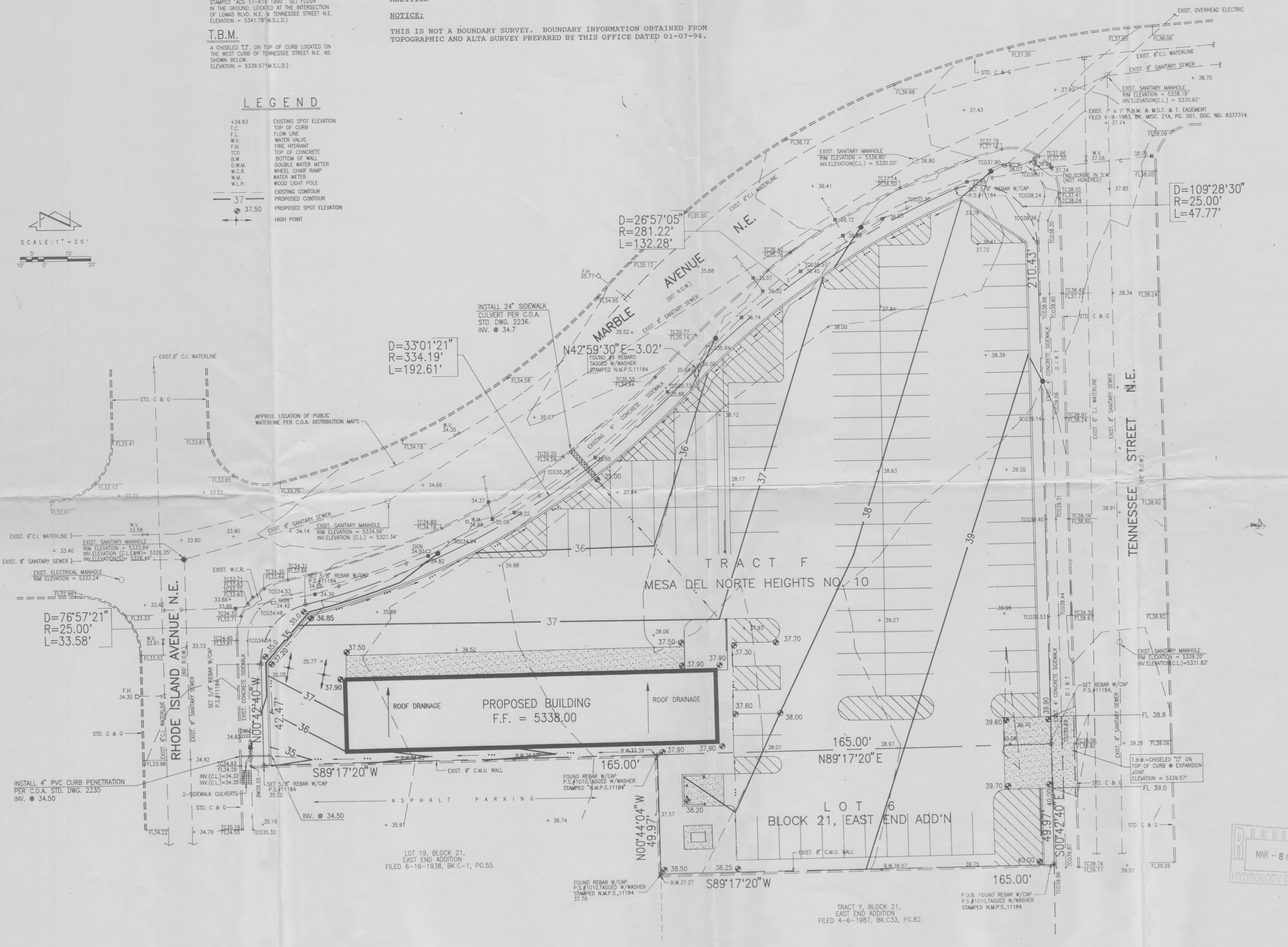
NOTICE:

THIS IS NOT A BOUNDARY SURVEY. BOUNDARY INFORMATION OBTAINED FROM TOPOGRAPHIC AND ALTA SURVEY PREPARED BY THIS OFFICE DATED 01-07-94.

LEGEND

+34.93	EXISTING SPOT ELEVATION
T.C.	TOP OF CURB
F.L.	FLOW LINE
W.V.	WATER VALVE
F.H.	FIRE HYDRANT
TCO	TOP OF CONCRETE
B.W.	BOTTOM OF WALL
D.W.M.	DOUBLE WATER METER
W.C.R.	WHEEL CHAIR RAMP
W.M.	WATER METER
W.L.P.	WOOD LIGHT POLE
— — —	EXISTING CONTOUR
— 37 —	PROPOSED CONTOUR
37.50	PROPOSED SPOT ELEVATION
	HIGH POINT

SCALE: 1" = 20'



Construction Notes:

1. Two (2) working days prior to any excavation, contractor must contact New Mexico One Call System 260–1990, 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 in writing so that the conflict can be resolved with a minimum amount 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 public right–of–way shall be performed in accordance with applicable City of Albuquerque Standards and Procedures.
5. If any utility lines, pipelines, or underground utility lines are shown on these drawings, they are shown in an approximate manner only, and such lines may exist where none are shown. If any such existing lines are shown, the location is based upon information provided by the owner of said utility, and the information may be incomplete, or may be obsolete by the time construction commences. The engineer has conducted only preliminary investigation of the location, depth, size, or type of existing utility lines, pipelines, or underground utility lines. This investigation is not conclusive, and may not be complete, therefore, makes no representation pertaining thereto, and assumes no responsibility or liability therefor. The contractor shall inform itself of the location of any utility line, pipeline, or underground utility line in or near the area of the work in advance of and during excavation work. The contractor is fully responsible for any and all damage caused by its failure to locate, identify and preserve any and all existing utilities, pipelines, and underground utility lines. In planning and conducting excavation, the contractor shall comply with state statutes, municipal and local ordinances, rules and regulations, if any, pertaining to the location of these lines and facilities.
6. 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.
7. Backfill compaction shall be according to ARTERIAL street use.
8. Maintenance of these facilities shall be the responsibility of the owner of the property served.
9. The design of planters and landscaped areas is not part of this plan. All planters and landscaped areas adjacent to the building(s) shall be provided with positive drainage to avoid any ponding adjacent to the structure. For construction details, refer to landscaping plan.

Erosion Control Measures

1. The contractor shall ensure that no soil erodes from the site into public right–of–way or onto private property. This can be achieved by constructing temporary berms at the property lines and wetting the soil to keep it from blowing.
2. The contractor shall promptly clean up any material excavated within the public right–of–way so that the excavated material is not susceptible to being washed down the street.
3. The contractor shall secure "Topsoil Disturbance Permit" prior to beginning construction.

APPROVALS	NAME	DATE
A.C.E./DESIGN	B Montoya	3/10/94
INSPECTOR		
A.C.E./FIELD		

J-19/D60

RECEIVED MAR - 8 1994 HYDROLOGY DIVISION

JEFFREY G. MORTENSEN NEW MEXICO 8547 REGISTERED PROFESSIONAL ENGINEER

JMA
JEFF MORTENSEN & ASSOCIATES, INC.
6010–B MIDWAY PARK BLVD. N.E.
ALBUQUERQUE NEW MEXICO 87109
ENGINEERS SURVEYORS (505) 345–4250

GRADING PLAN

QUALITY JEEP EAGLE

DESIGNED BY	J.G.M.
DRAWN BY	ACAD
APPROVED BY	J.G.M.

NO.	DATE	BY	REVISIONS

JOB NO.	930863
DATE	03–1994
SHEET	1 OF 2