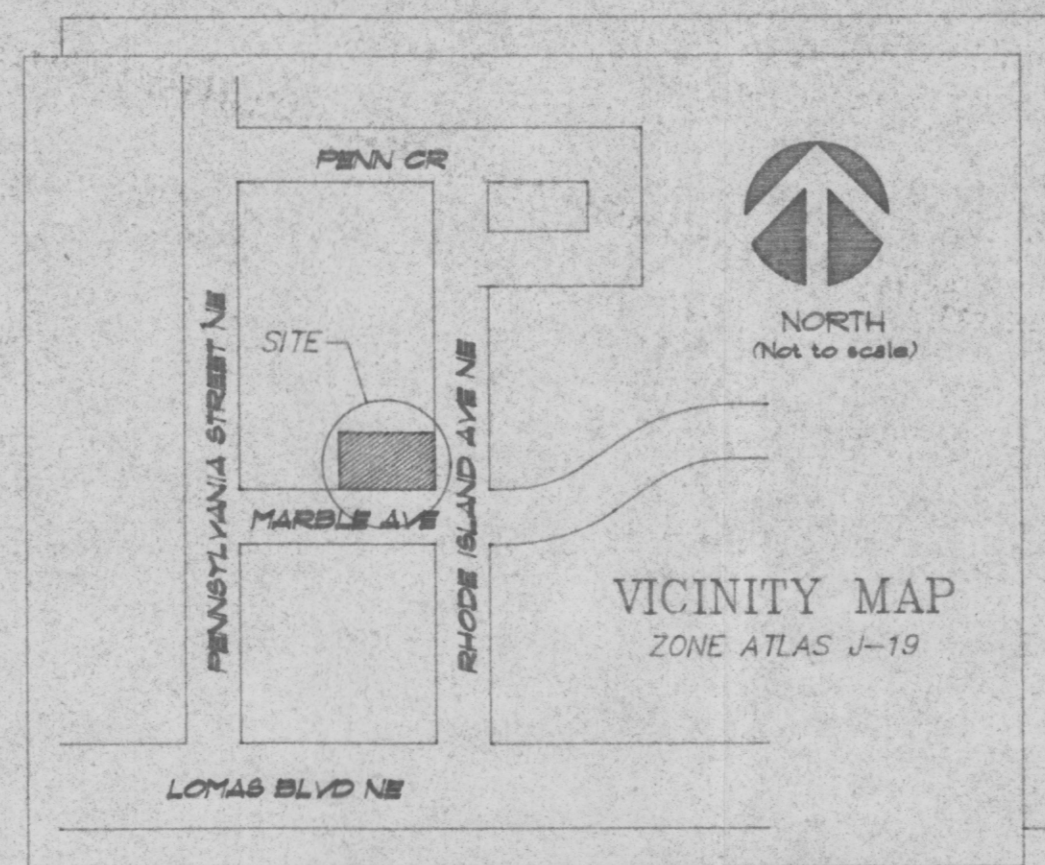




LEGAL DESCRIPTION
LOT 6A, ASHCRAFT CENTER
ALBUQUERQUE, BERNALILLO COUNTY,
NEW MEXICO.

GENERAL NOTES:

1. An excavation/construction permit will be required before beginning any work within the City right-of-way. Approved copy of this plan must be submitted at the time of application for permit.
2. All work detailed in this plan to be performed, except as otherwise stated or provided hereon, shall be constructed in accordance with City of Albuquerque Interim Standard Specification for Public Works Construction 1985.
3. Two working days prior to any excavation, contractor must contact line locating services at (505) 260-1990 for locating existing utilities.
4. Prior to construction, the contractor shall excavate and verify the horizontal and vertical location of all construction. Should a conflict exist, the contractor shall notify the engineer so that the conflict can be resolved with a minimum amount of delay.
5. Backfill compaction shall be according to residential street use.
6. 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.
7. 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.
8. Provide 8" radius at the end of header curb.
9. Maintenance of these facilities shall be the responsibility of the Owner of property served.

APPROVAL	NAME	DATE	Title:
Hydrology			OTT Office Building
Inspector			Permit No. Map
A.C.E./Field			Sheet 1 of 1 Number J-19

CERTIFICATION

I, R.G. Lee, Jr., Registered Professional Engineer hereby certify the improvements shown hereon are in substantial compliance with the approved drainage plan.

R.G. LEE, JR.

Date

May 30, 1997

EROSION CONTROL MEASURES:

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

- 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 TO LEAVE THE SITE AND ENTERING ADJACENT PROPERTY.
- 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 THE PUBLIC STREETS.
- THE CONTRACTOR SHALL IMMEDIATELY AND THOROUGHLY REMOVE ANY OR ALL SEDIMENT WITHIN THE PUBLIC STREETS THAT HAVE BEEN ERODED FROM THE SITE AND DEPOSITED THERE.

BENCHMARK INFORMATION

TEMPORARY BENCHMARK BEING THE TOP OF CURB ELEVATION OF EXISTING CURB & GUTTER BEARING ELEVATION 5332.49 MSL REFERENCE TO CITY BENCHMARK 13-J19, LOCATED AT THE OF LOMAS & PENNSYLVANIA BEARS ELEVATION 5333.056(MSL).

DRAINAGE CALCULATIONS

I. REFERENCES:

- SECTION 22.2, HYDROLOGY OF THE DEVELOPMENT PROCESS MANUAL, VOLUME 2, DESIGN CRITERIA FOR THE CITY OF ALBUQUERQUE, NEW MEXICO IN COOPERATION WITH BERNALILLO COUNTY, NEW MEXICO AND THE ALBUQUERQUE METROPOLITAN ARROYO FLOOD CONTROL AUTHORITY.
- FLOODWAY, FLOOD BOUNDARY AND FLOODWAY MAP, CITY OF ALBUQUERQUE, NEW MEXICO, PANEL 19 OF 50.
- ZONE ATLAS PAGE J-19-2.

II. GENERAL INFORMATION:

- SITE LIES IN ZONE THREE(3) (SEE REF. A, PAGE A-1)
- 100 YEAR, 6 HOUR RAINFALL CRITERIA
- TIME OF CONCENTRATION, T_c : $T_c = 0.2 \text{ hr}$ (12 MINUTES).

III. IMPERVIOUSNESS:

TREATMENT TYPE	TYPES OF SURFACES	EXISTING SQ.FT	ACRES	PROPOSED SQ.FT	ACRES
A	UNDEVELOPED	0	0.0000	0	0.0000
B	LANDSCAPING	0	0.0000	3,481	0.0799
C	COMPACTED/VACANT	24,524	0.5630	0	0.0000
D	IMPERVIOUS	0	0.0000	21,043	0.4831
	TOTAL AREA (TA)	24,524	0.5630	24,524	0.5630

IV. PEAK DISCHARGE 100 YEAR (REF. A, TABLE A-9):

TREATMENT TYPE	TYPES OF SURFACES	EXISTING CFS/Ac	$Q_p(100)$	PROPOSED CFS/Ac	$Q_p(100)$
A	UNDEVELOPED	1.87	0.00	1.87	0.00
B	LANDSCAPING	2.60	0.00	2.60	0.21
C	COMPACTED/VACANT	3.45	1.94	3.45	0.00
D	IMPERVIOUS	5.02	0.00	5.02	2.43
	PEAK DISCHARGE FROM SITE		1.94 CFS		2.63 CFS

V. PEAK DISCHARGE 10 YEAR (REF. A, TABLE A-9):

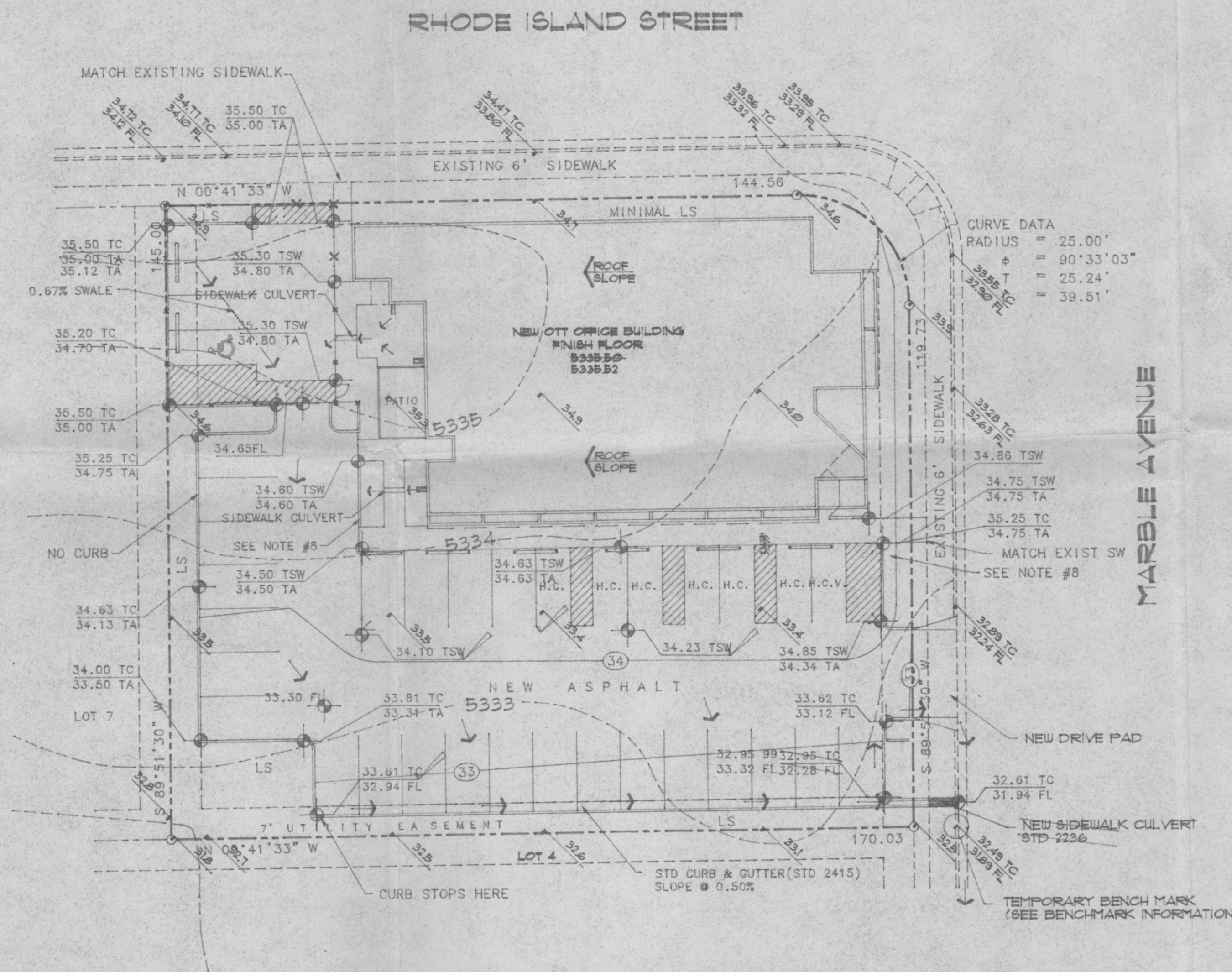
TREATMENT TYPE	TYPES OF SURFACES	EXISTING CFS/Ac	$Q_p(10)$	PROPOSED CFS/Ac	$Q_p(10)$
A	UNDEVELOPED	0.58	0.00	0.58	0.00
B	LANDSCAPING	1.19	0.00	1.19	0.10
C	COMPACTED/VACANT	2.00	1.13	2.00	0.00
D	IMPERVIOUS	3.39	0.00	3.39	1.64
	PEAK DISCHARGE FROM SITE		1.13 CFS		1.73 CFS

VI. WEIGHTED "E" 100 YEAR, 6 HR. (REF. A, TABLE A-8):

TREATMENT TYPE	TYPES OF SURFACES	EXISTING E	EXA/TA	PROPOSED E	EXA/TA
A	UNDEVELOPED	0.68	0.00	0.68	0.00
B	LANDSCAPING	0.92	0.00	0.92	0.13
C	COMPACTED/VACANT	1.29	1.29	1.29	0.00
D	IMPERVIOUS	2.36	0.00	2.36	2.03
	WEIGHTED "E" FACTOR		1.29 IN		2.16 IN

VII. VOLUME 100 YEAR, V(360) (REF. A, TABLE A-8):

EXISTING	PROPOSED
$1.29 \times 0.563/12 = 0.0605 \text{ AC. FT.}$	$2.16 \times 0.563/12 = 0.1011 \text{ AC. FT.}$
$= 2,838 \text{ CU.FT.}$	$= 4,405 \text{ CU.FT.}$



ABBREVIATION LEGEND

TOP OF CURB - TC
TOP OF ASPHALT - TA
FLOWLINE - FL
TOP OF SIDEWALK - TSW

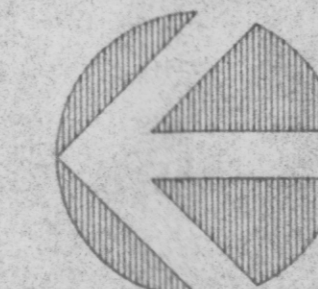
SYMBOL LEGEND

ACCESSIBLE ROAD SLOPE 1:50 MAX
AS-BUILT EXISTING GROUND
AS-BUILT EXISTING GROUND
DESIGNED SPOT ELEVATION
PROPERTY LINE
EASEMENT LINE
FLOW DIRECTION
EXISTING SPOT ELEVATION
DOWN SPOUT W/ SPLASH BLOCK

GRADING & DRAINAGE PLAN

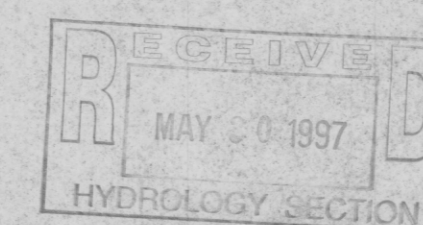
SCALE: 1"=20.0'

0' 5' 10' 20' 40'

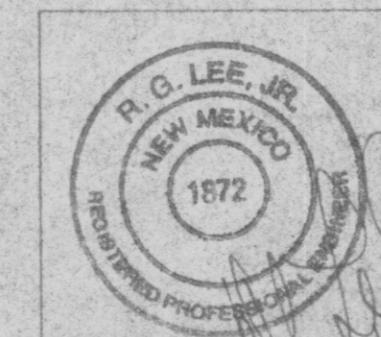


APPROVAL
AUTHORIZED SIGNATORY
DATE
DEPARTMENT OF EDUCATION
DIVISION OF VOCATIONAL REHABILITATION
430 ST. MICHAEL'S DRIVE BLDG D
SANTA FE, NEW MEXICO 87505

AUTHORIZED SIGNATORY
DATE
MR. TROY H. OTT - LEASOR
17 RAVEN ROAD
TUCUMAN, NEW MEXICO 87505
PHONE NO. (505) 268-2344

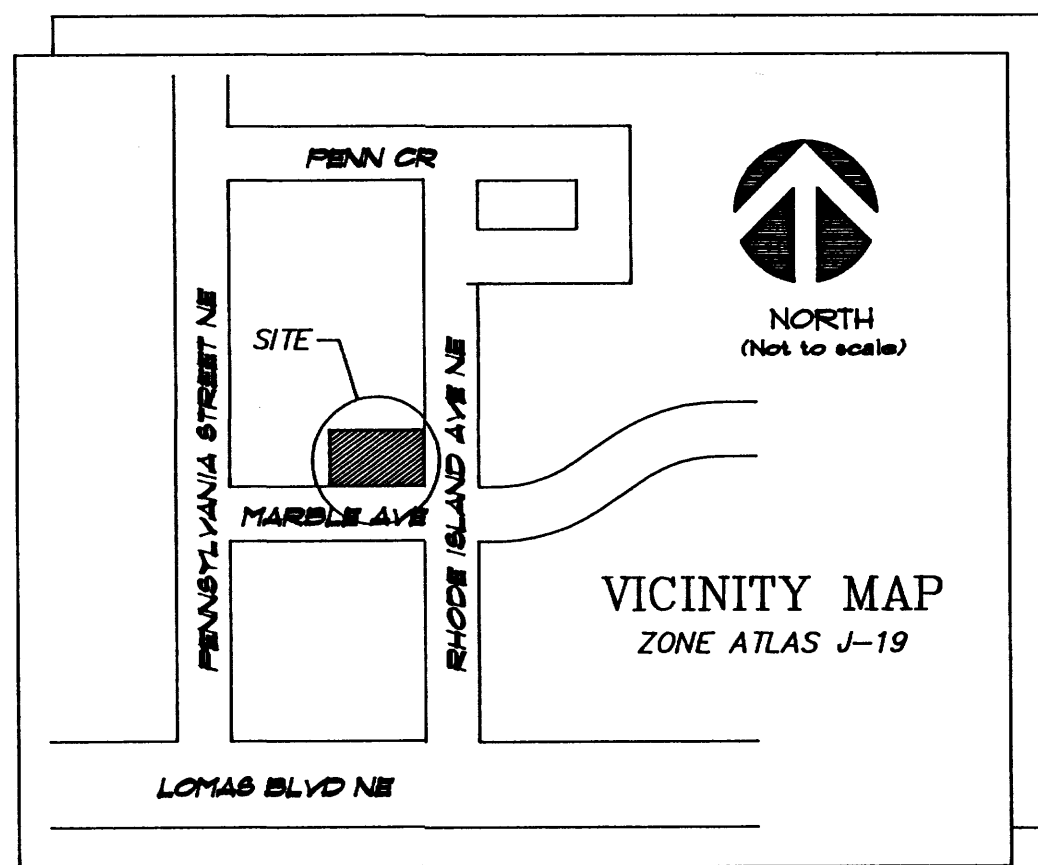


JAMES W. GREEN
ARCHITECT
ARCHITECTURE AND PLANNING
208-D PALOMAS DRIVE NE
ALBUQUERQUE, NM 87108
(505) 254-0678



OTT OFFICE BUILDING
MARBLE AVE. & RHODE ISLAND ST
ALBUQUERQUE, NEW MEXICO

DESIGN: R.G. LEE, JR.
DATE: JUNE 18, 1996
DRAWN: H.T. HOOD
SCALE: 1/8"=1'-0"
TITLE: GRADING & DRAINAGE PLAN
DRAWING NO. C-1

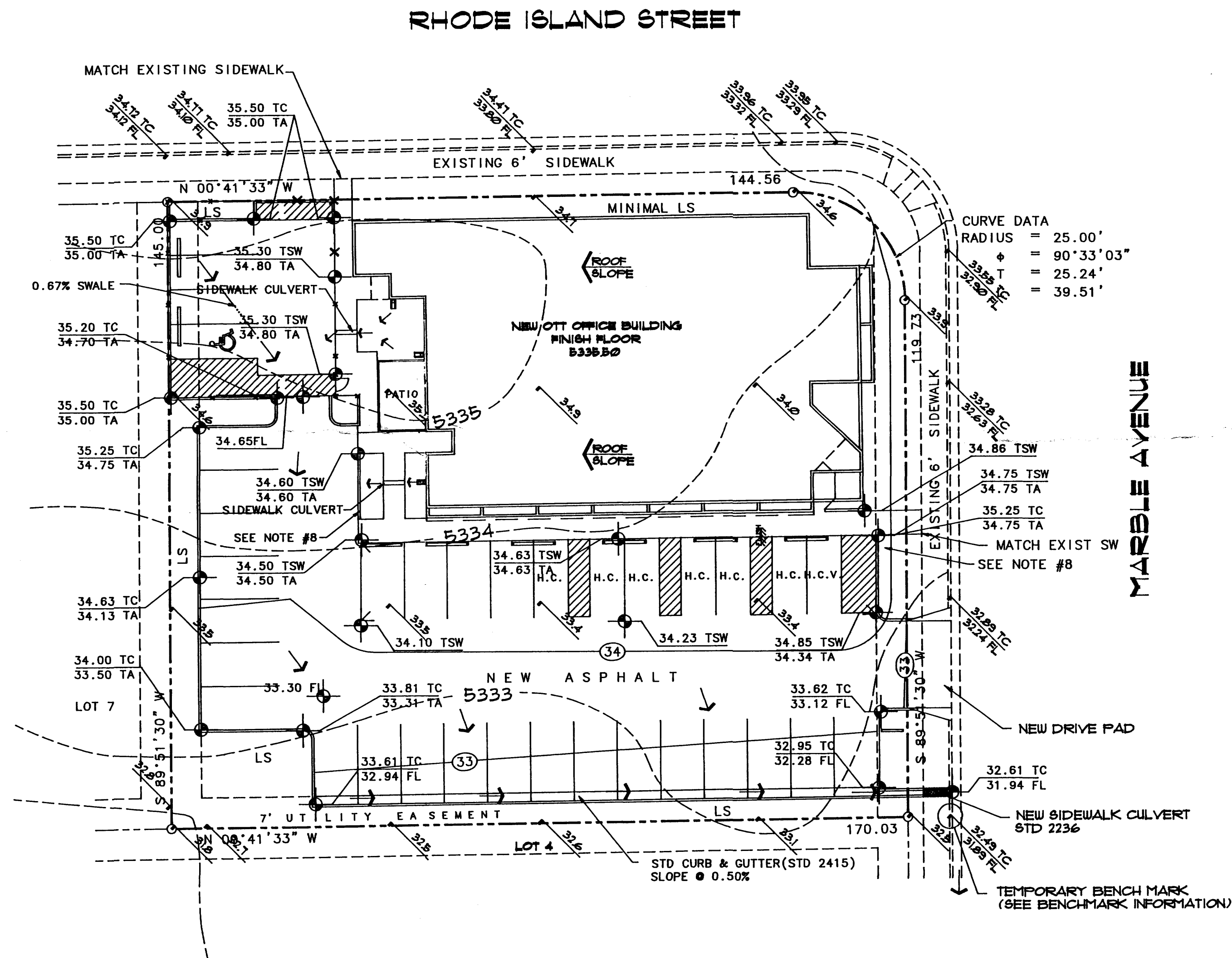


LEGAL DESCRIPTION
 LOT 6A, ASHCRAFT CENTER
 ALBUQUERQUE, BERNALILLO COUNTY,
 NEW MEXICO.

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7. 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.
8. Provide 6" radius at the end of header curb
9. Maintenance of these facilities shall be the responsibility of the Owner of property served.

APPROVAL	NAME	DATE	Title:
Hydrology	<i>R. Lee</i>	7/27/96	OTT Office Building
Inspector			Permit No.
A.C.E./Field			Map
			Sheet 1 of 1
			Number J-19



ABBREVIATION LEGEND

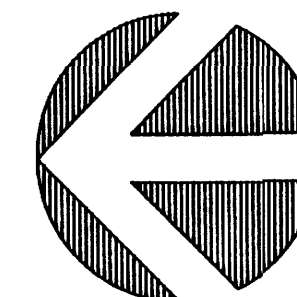
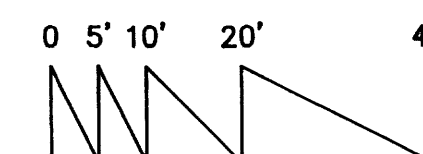
TOP OF CURB - TC
 TOP OF ASPHALT - TA
 FLOWLINE - FL
 TOP OF SIDEWALK - TSW

SYMBOL LEGEND

ACCESSIBLE REQD SLOPE 1:50 MAX 7
 EXISTING CONTOUR 51202
 EXISTING CONTOUR 6650 TC
 DESIGNED SPOT ELEVATION 45
 PROPERTY LINE
 EASEMENT LINE
 FLOW DIRECTION
 EXISTING SPOT ELEVATION
 DOWN SPOUT W/ SPLASH BLOCK

GRADING & DRAINAGE PLAN

SCALE: 1"=20.0'



EROSION CONTROL MEASURES:

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

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BENCH-MARK INFORMATION

TEMPORARY BENCH-MARK BEING THE TOP OF CURB ELEVATION OF EXISTING CURB & GUTTER BEARING ELEVATION 5332.49 MSL. REFERENCE TO CITY BENCH-MARK 13-J19, LOCATED AT THE OF LOMAS & PENNSYLVANIA BEARS ELEVATION 5333.056(MSL).

DRAINAGE CALCULATIONS

- I. REFERENCES:
- SECTION 22.2, HYDROLOGY OF THE DEVELOPMENT PROCESS MANUAL, VOLUME 2, DESIGN CRITERIA FOR THE CITY OF ALBUQUERQUE, NEW MEXICO IN COOPERATION WITH BERNALILLO COUNTY, NEW MEXICO AND THE ALBUQUERQUE METROPOLITAN ARROYO FLOOD CONTROL AUTHORITY.
 - FLOODWAY, FLOOD BOUNDARY AND FLOODWAY MAP, CITY OF ALBUQUERQUE, NEW MEXICO, PANEL 19 OF 50.
 - ZONE ATLAS PAGE J-19-Z.
- II. GENERAL INFORMATION:
- SITE LIES IN ZONE THREE(3) (SEE REF. A, PAGE A-1)
 - 100 YEAR, 6 HOUR RAINFALL CRITERIA
 - TIME OF CONCENTRATION, Tc; Tc = 0.2 hr(12 MINUTES).

TREATMENT	TYPES OF SURFACES	EXISTING SQ.FT	ACRES	PROPOSED SQ.FT	ACRES
A	UNDEVELOPED	0	0.0000	0	0.0000
B	LANDSCAPING	0	0.0000	3,481	0.0799
C	COMPACTED/VACANT	24,524	0.5630	0	0.0000
D	IMPERVIOUS	0	0.0000	21,043	0.4831
	TOTAL AREA (TA)	24,524	0.5630	24,524	0.5630

TREATMENT	TYPES OF SURFACES	EXISTING CFS/Ac	Qp(100)	PROPOSED CFS/Ac	Qp(100)
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B	LANDSCAPING	2.60	0.00	2.60	0.21
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	PEAK DISCHARGE FROM SITE	1.94	CFS	2.63	CFS

TREATMENT	TYPES OF SURFACES	EXISTING CFS/Ac	Qp(10)	PROPOSED CFS/Ac	Qp(10)
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B	LANDSCAPING	1.19	0.00	1.19	0.10
C	COMPACTED/VACANT	2.00	1.13	2.00	0.00
D	IMPERVIOUS	3.39	0.00	3.39	1.64
	PEAK DISCHARGE FROM SITE	1.13	CFS	1.73	CFS

TREATMENT	TYPES OF SURFACES	EXISTING E	ExA/TA	PROPOSED E	ExA/TA
A	UNDEVELOPED	0.66	0.00	0.66	0.00
B	LANDSCAPING	0.92	0.00	0.92	0.13
C	COMPACTED/VACANT	1.29	1.29	1.29	0.00
D	IMPERVIOUS	2.36	0.00	2.36	2.03
	WEIGHTED "E" FACTOR	1.29	IN	2.16	IN

TREATMENT	EXISTING	PROPOSED
VII. VOLUME 100 YEAR, V(360) (REF. A, TABLE A-8):		
EXISTING	1.29 x 0.563/12 = 0.0605 AC. FT.	
	= 2,636 CU. FT.	
PROPOSED	2.16 x 0.563/12 = 0.1011 AC. FT.	
	= 4,405 CU. FT.	

APPROVAL	
AUTHORIZED SIGNATORY	DATE
DEPARTMENT OF EDUCATION DIVISION OF VOCATION REHABILITATION 408 ST. MICHAEL DRIVE, SUITE D SANTA FE, NEW MEXICO 87505	
AUTHORIZED SIGNATORY	DATE
MR. THOMAS M. OTT - LEASOR 11 HAVEN ROAD TUCUMAN, NEW MEXICO 87305 PHONE NO. (505) 254-1234	
JUL 18 1996	

JAMES W. GREEN
 ARCHITECT
 ARCHITECTURE
 AND PLANNING
 208-D PALOMAS DRIVE NE
 ALBUQUERQUE, NM 87108
 (505) 254-0678



OTT OFFICE BUILDING
 MARBLE AVE. & RHODE ISLAND ST
 ALBUQUERQUE, NEW MEXICO

DESIGN: R.G. LEE, JR.	DRAWN: H.T. HOOD	DRAWING NO.
DATE: JUNE 18, 1996	SCALE: 1/8"=1'-0"	C-1
TITLE: GRADING & DRAINAGE PLAN		