



City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

September 2, 1992

Dave Galloway
Galloway, Romero & Associates
14202 East Evans Avenue
Aurora, CO 80014

RE: ENGINEER CERTIFICATION FOR DIAMOND SHAMROCK AT SECOND AND MENAUL NW,
(H-14/D71) ENGINEER CERTIFICATION STATEMENT DATED 8/26/92

Dear Mr. Galloway:

Based on the information provided on your submittal dated August 27, 1992,
Certification for the above referenced site is acceptable.

If I can be of further assistance, please feel free to contact me at 768-2667.

Sincerely,

Bernie J. Montoya, C.E.
Engineering Assistant

BJM/ses/WPHYD3572

cc: Alan Martinez
File

PUBLIC WORKS DEPARTMENT



City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

October 1, 1991

Dave Galloway
Galloway, Romero & Associates
14202 East Evans Avenue
Aurora, Colorado 80014

RE: DRAINAGE PLAN FOR DIAMOND SHAMROCK @ SECOND & MENAUL, NW
(H-14/D71) ENGINEER'S STAMP DATED SEPTEMBER 11, 1991

Dear Mr. Galloway:

Based on the information provided on your submittal of September 12, 1991, the above referenced plan is approved for Building Permit.

Please be advised that developed runoff is allowed across property lines to the west.

Please attach a copy of this plan to the construction sets prior to sign-off by Hydrology.

If I can be of further assistance, please feel free to call me at 768-2650.

Cordially,

Bernie J. Montoya, C.E.
Engineering Assistant

xc: Alan Martinez

BJM/bsj
(WP+2946)

PUBLIC WORKS DEPARTMENT

Walter H. Nickerson, Jr., P.E.
Assistant Director Public Works

ENGINEERING GROUP

Telephone (505) 768-2500

AN EQUAL OPPORTUNITY EMPLOYER

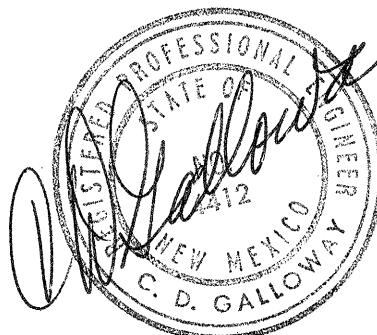
FINAL DRAINAGE REPORT
SECOND & MENAUL CORNERSTORE
NWC SECOND ST. NW & MENAUL BLVD. NW
CITY OF ALBUQUERQUE, NEW MEXICO
SEPTEMBER, 1991

Prepared For:

Diamond Shamrock Inc.
9702 Brockbank
Dallas, TX 75220
(214) 357-7386
Attn: Jim Reed

Prepared By:

Galloway, Romero and Associates, Inc.
14202 E. Evans Ave.
Aurora, CO 80014
(303) 745-7448
Attn: Larry L. Parker



9/11/91

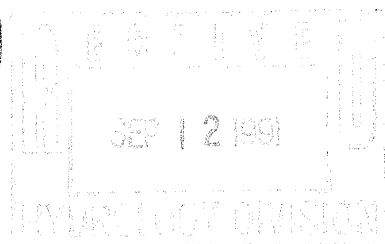


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Introduction

This report is being prepared for Diamond Shamrock Inc., the developer of the site, to fulfill the drainage requirements of Albuquerque, New Mexico. The report analyzes offsite and onsite runoff from the minor (10 year frequency) and major (100 year frequency) storms and routes these flows through the site.

The 0.9379 acre site is part tracts A-1 & A-2, Block 2, Mandell Addition No. 2 and part of Mandell Addition No.2, City of Albuquerque, Bernalillo County, New Mexico. The site is bounded by Woodland Avenue N.W. on the north, by Second Street N.W. on the east, by Menaul Boulevard N.W. on the south and by C-1 zoned property on the west.

Currently a small stucco building and a wooden storage building occupy the extreme northeasterly corner of the site. With the exception of a small bare ground area surrounding these buildings, the remainder of the site is covered with asphalt and concrete paving. The site downward, from east to west, at slopes ranging from 0.8 to 2.5 percent with the majority of the sites runoff sheetflowing onto the C-1 zoned property to the west.

Design Criteria

This report was prepared using criteria as outlined in the City of Albuquerque's Development Process Manual, Chapter 22, "Drainage, Flood Control and Erosion Control."

Runoff for the minor and major storms, 10 and 100 year frequency, respectively, was calculated using the rational method. Times of concentration, upland method, was calculated for the individual basins. Because the hydraulic lengths are short, all times were small and a minimum time of 10 minutes was used. Rainfall intensity values were taken from the 6-hour/100 year frequency chart and were adjusted by the appropriate factors for storm reduction and dimensionless rainfall. A SCS hydrological soils group "B" was assumed for the site with rational formula C factors interpolated from plate 22.2.

Runoff calculations and applicable charts and graphs are included in the appendix of this report.

Existing Drainage

The existing site is divided into three drainage basins, A through C. Basin A is a 0.135 acre basin, at the northerly portion of the site, that primarily consists of rooftop, asphalt and bare ground areas. The 10 and 100 year runoff of 0.24 and 0.36 cfs, respectively, is largely unconcentrated and exits the site along the northerly property line, flowing into Woodland Avenue.

Basin B is a 0.730 acre basin, covered with asphalt and concrete paving, that consists of the majority of the site. The 10 and 100 year runoff of 2.28 and 3.47 cfs is largely unconcentrated and exits the site by sheetflowing onto the C-1 zoned property to the west.

Basin C is a 0.073 acre basin, along the southerly portion of the site, that consists of asphalt and concrete paved areas. The 10 and 100 year runoff of 0.23 and 0.35 cfs, respectively, is largely unconcentrated and exits the site along the southerly property line, flowing into Menaul Boulevard.

Developed Drainage

General Concept

One foot high water blocks have been provided along all street frontages per the City of Albuquerque's requirements. The high point of the developed site is the finished floor of the convenience store with the majority of the sites runoff freely discharging into the right-of-way through the curb cuts. Runoff to the C-1 zoned property to the west has been reduced.

Specific Details

The site is divided into six developed basins, A through F. Basin A is a 0.073 acre basin, along the westerly property line, that consists of car wash roof and landscaped areas. With the exception of the car wash downspouts, the 10 and 100 year runoff of 0.10 and 0.16 cfs, respectively, is unconcentrated and sheetflows off the site along the westerly property line.

Basin B is a 0.335 acre basin that consists of canopy roof, concrete paving and landscaped areas. The 10 and 100 year runoff of 0.78 and 1.19 cfs, respectively flows northerly to the curb cut and discharges into Woodland Avenue.

Basin C is a 0.072 acre basin, at the northeast corner of the site, that is entirely landscaped. The 10 and 100 year runoff of 0.08 and 0.12 cfs, respectively, is unconcentrated and sheetflows, northwesterly, off the site to Woodland Avenue.

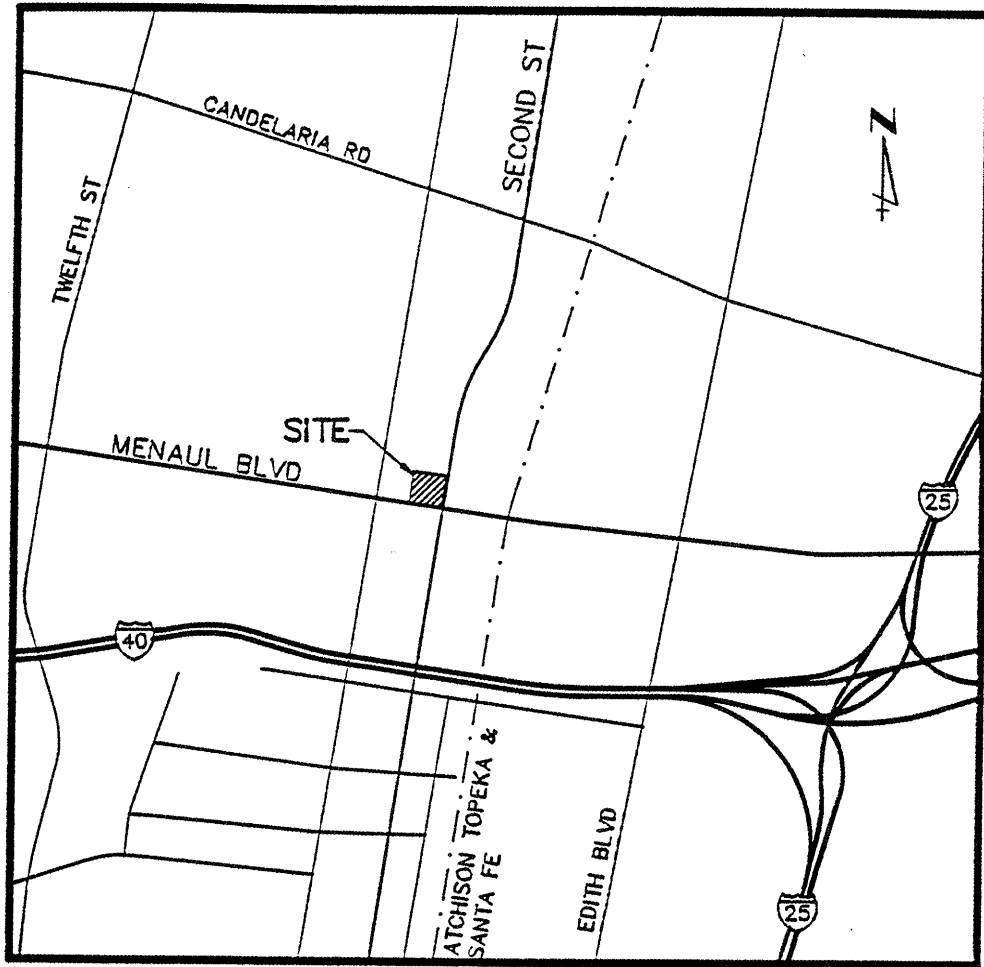
Basins D and E are narrow basins along Second Street that have been formed by the 1 foot waterblock requirement. The westerly limits of these basins are also ridge lines. Runoff falling west of this line flows inward towards the interior of the site, while runoff falling east of the ridge line sheetflows into Second Street. The 10 and 100 year runoff from Basin D is 0.02 and 0.03 cfs, respectively, while the 10 and 100 year runoff from Basin E is 0.04 and 0.07 cfs, respectively.

Basin F is a 0.407 acre basin that consists of landscaping, concrete paving, building and canopy roof. The 10 and 100 year runoff of 0.94 and 1.43 cfs, respectively flows southerly to the curb cut and discharges in Menaul Boulevard.

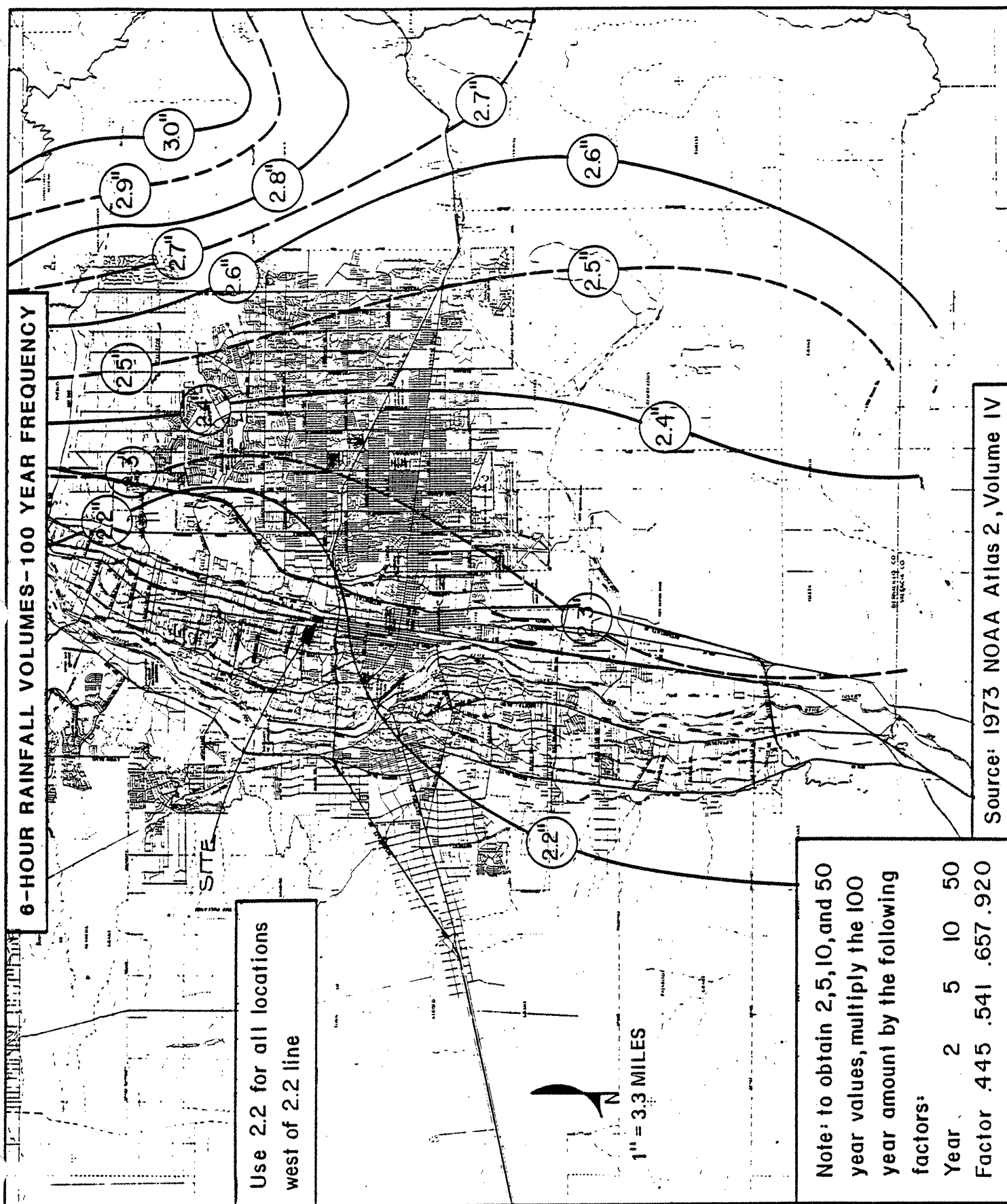
Conclusions

The drainage report and accompanying plan have been prepared under the criteria set forth in the City of Albuquerque's Development Process Manual's Chapter of "Drainage, Flood Control and Erosion Control." Runoff from the minor and major storms are safely conveyed across and through the site. A one foot water block has been provided on all sides of the site that are adjacent to public right-of-way. Runoff that discharged onto the adjacent property to the west has been reduced.

APPENDIX

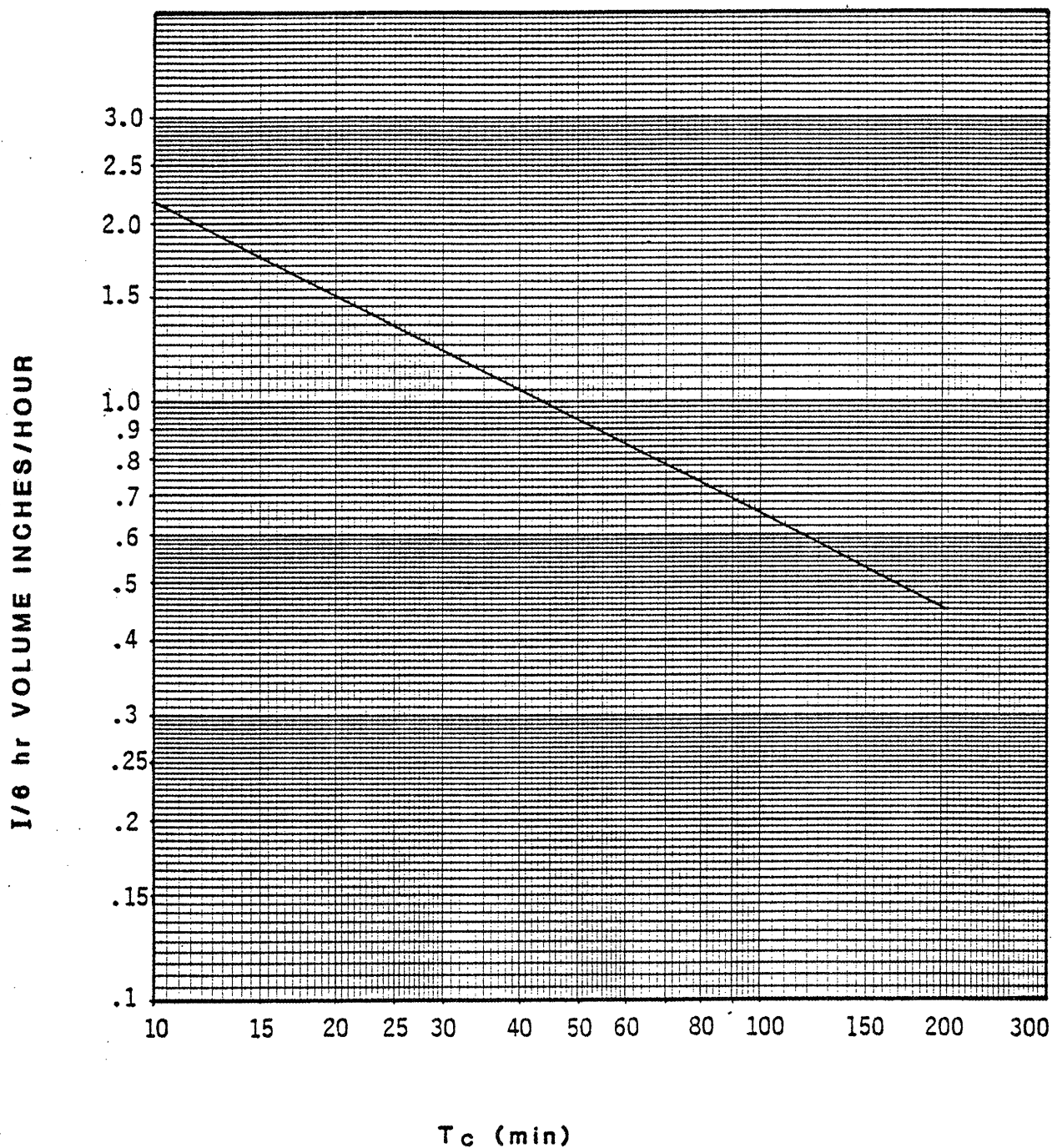


VICINITY MAP
SCALE: 1"=2000'



DIMENSIONLESS RAINFALL INTENSITIES

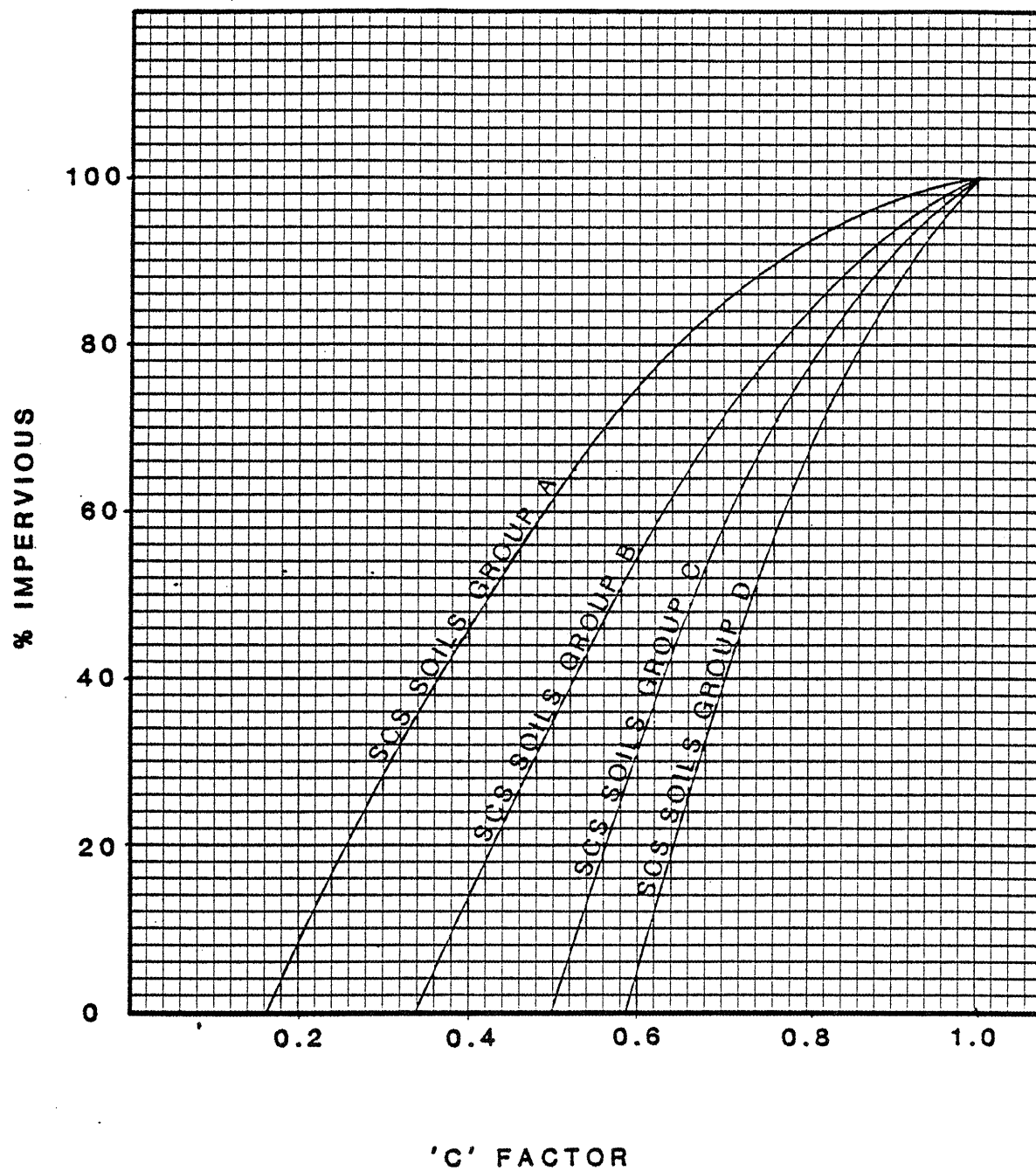
$$I = (6\text{-hr. rain}) 6.84 t_c^{-0.51}$$

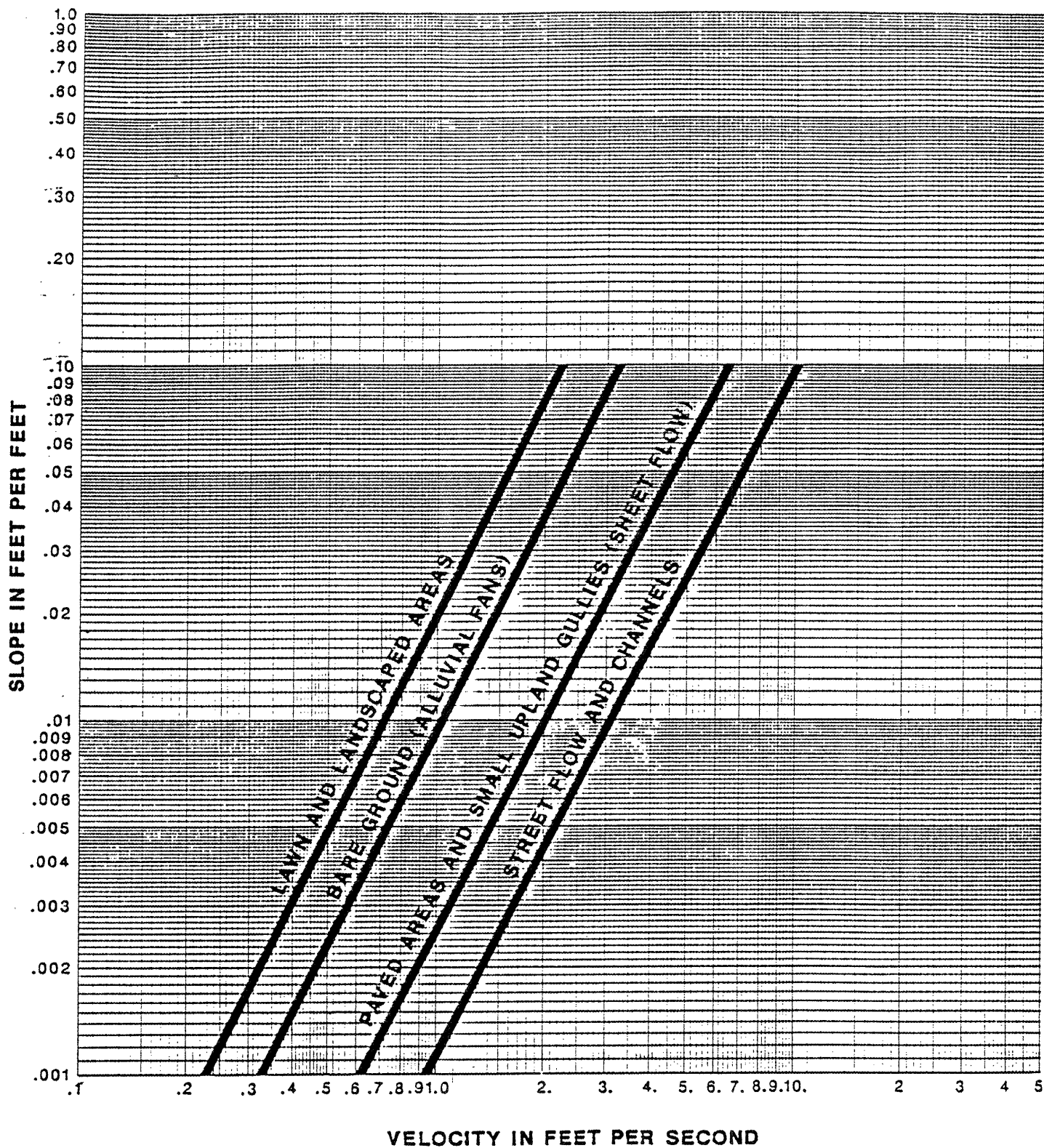


note: To get actual intensities, multiply rainfall volume from plate D-1 by value from curve. Use reduction factors on Plate D-1 for other than 100-yr.

DRAINAGE CRITERIA

DETERMINATION OF RATIONAL FORMULA 'C' FACTOR





VELOCITIES FOR UPLAND METHOD OF ESTIMATING T_c

Plate 22.2 B-1

5/88

REF. SCS NEH-4

A.5

SUBDIVISION 2ND & MENAUL CORNERSTORE
 LOCATION ALBUQUERQUE N.M.
 DESIGN STORM YR RECURRENCE INTERVAL
 COMPUTATIONS BY LLP DATE SEPT 91
 SUBMITTED BY _____ DATE _____

(Engineering Firm)

STORM DRAINAGE SPECIFICATIONS

RUNOFF COMPUTATIONS
 (Rational Method)

Design Point	Area Designation	A (Acres)	C	A.C	IA.C	to (min)	I (in/hr)	Q _s (IA.C).I cfs	Slope (S) %	Length L (feet)	VEL ¹ V (fps)	d (min)	Remarks
10 YEAR EXISTING	A	0.135	0.56	0.076		10.0	3.12	0.24	1.2	90	1.2*	1.25	* ACROSS DIRT SURFACE USE 10.0 MIN
	B	0.730	1.00	0.730		10.0	3.12	2.28	0.72%	138	2.6*	0.9	* ACROSS ASPH PAVING USE 10.0 MIN
	C	0.073	1.00	0.073		10.0	3.12	0.23	1.8	140	4.2*	0.6	ACROSS ASPH PAVING USE 10.0 MIN
100 YEAR EXISTING	A	0.135	0.56	0.076		10.0	4.75	0.36					T _c FROM 10 YR
	B	0.730	1.00	0.730		10.0	4.75	3.47					T _c FROM 10 YR
	C	0.073	1.00	0.073		10.0	4.75	0.35					T _c FROM 10 YR

* These values must be substantiated with additional computations or use of appropriate charts, etc.

August, 1989

10 & 100 YEAR EXISTING

Galloway, Romero & Associates
 Design Engineering Planning

14202 East Evans Avenue
 Aurora, Colorado 80014
 (303) 745-7448
 (303) 745-7480 FAX

SUBDIVISION NA 1 MENAUL CORNERSTORE
 LOCATION ALBUQUERQUE N.M.
 DESIGN STORM 10 YR RECURRENCE INTERVAL.
 COMPUTATIONS BY LCP DATE SEPT. 91
 SUBMITTED BY _____ DATE _____
 (Engineering Firm)

STORM DRAINAGE SPECIFICATIONS

RUNOFF COMPUTATIONS
 (Rational Method)

Galloway, Romero & Associates
 Design Engineering Planning

14202 East Evans Avenue
 Aurora, Colorado 80014
 (303) 745-7448
 (303) 745-7480 Fax

PAGE 01 OF 01

Design Point	Area Designation	A (Acre)	C	A-C	IA-C	to (min)	I (in/hr)	Q _s (IA-C) x I cfs	Slope (S) %	Length L (feet)	VEL ^W V fps	t (min)	Remarks
	A	0.073	0.45	0.033		10.0	3.12	0.10	7.4	25	8.0*	0.1	WACROSS LANDSCAPE USE 10.0 MIN
	B	0.335	0.75	0.251		10.0	3.12	0.78	2.0 1.9	40 70	1.0 4.3	1.0 0.3 1.3	LANDSCAPING PAVING USE 10.0
	C	0.072	0.36	0.026		10.0	3.12	0.08	2.0	75	1.0	1.3	USE 10.0 MIN
	D	0.015	0.48	0.007		10.0	3.12	0.03	2.0	10	1.0	-	USE 10.0 MIN
	E	0.036	0.40	0.014		10.0	3.12	0.04	2.0	10	1.0	-	USE 10.0 MIN
	F	0.407	0.74	0.301		10.0	3.12	0.94					

* These values must be substantiated with additional computations or use of appropriate charts, etc.

August, 1989

Form SD 1-3

10 YEAR DEVELOPED

SUBDIVISION 2ND & MENARD COVER STORE
 LOCATION ALBUQUERQUE N.M.
 DESIGN STORM 100 YR RECURRENCE INTERVAL.
 COMPUTATIONS BY LLP DATE _____
 SUBMITTED BY _____ DATE _____
 (Engineering Firm)

STORM DRAINAGE SPECIFICATIONS

RUNOFF COMPUTATIONS
 (Rational Method)

Galloway, Romero & Associates
 Design Engineering Planning

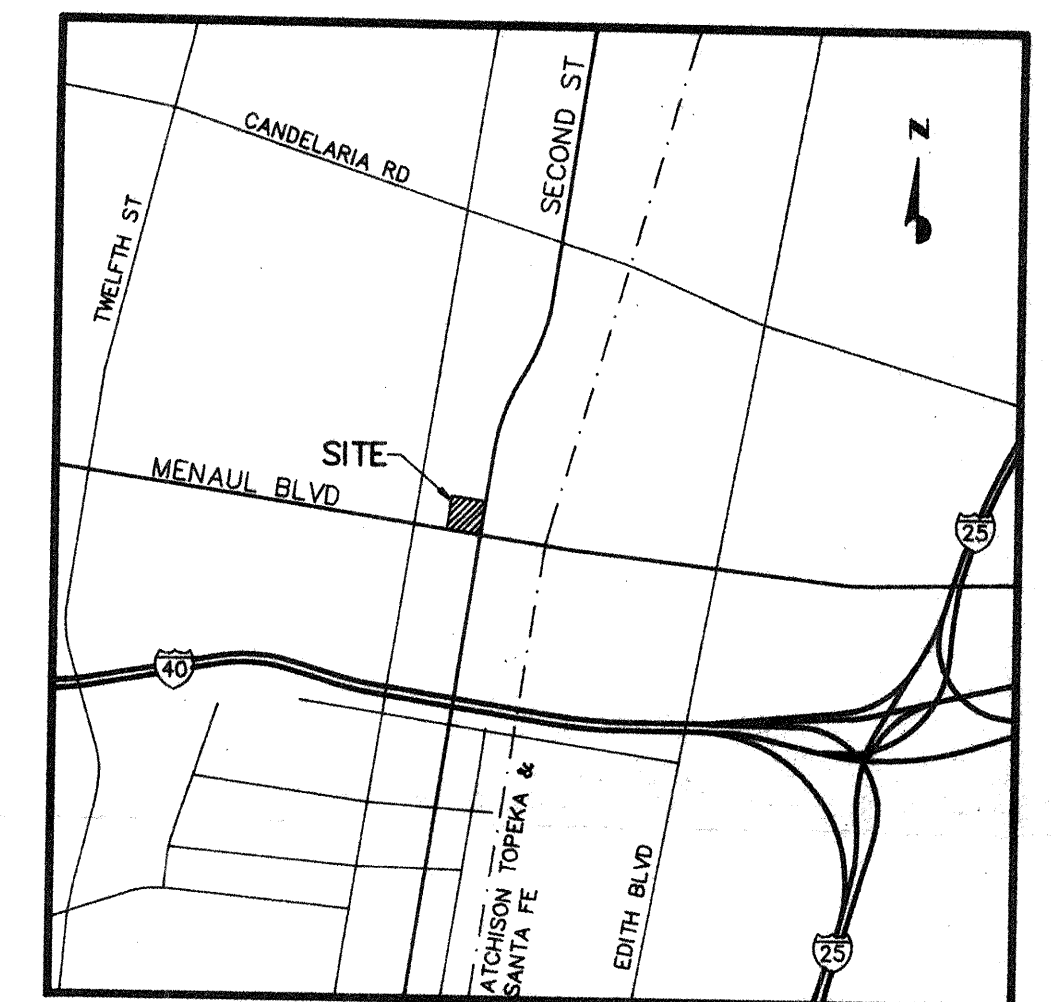
14202 East Evans Avenue
 Aurora, Colorado 80014
 (303) 745-7448
 (303) 745-7480 Fax

Design Point	Area Designation	A (Acres)	C	A.C	IA.C	to (min)	I (in/hr)	Q _s (ΣAC) x I . cfs	Slope (S)	Length L (feet)	VEL ² V (fps)	t (min)	Remarks
	A	0.073	0.45	0.033		10.0	4.75	0.16					
	B	0.335	0.75	0.251		10.0	4.75	1.19					
	C	0.072	0.36	0.026		10.0	4.75	0.12					
	D	0.015	0.48	0.007		10.0	4.75	0.03					
	E	0.036	0.40	0.014		10.0	4.75	0.07					
	F	0.407	0.74	0.301		10.0	4.75	1.43					

* These values must be substantiated with additional computations or use of appropriate charts, etc.

100 YEAR DEVELOPED

BASIN DESIGNATION	OVERALL AREA S.F.	ROOF AREA S.F.	PAVED AREA S.F.	LANDSCAPED AREA S.F.	PERCENT (%) IMPERVIOUS
A	3190	791	2399	2399	75.2
B	14603	2295	9104	3117	78.1
C	3117	—	200	470	29.9
D	670	—	200	1359	12.8
E	1559	—	200	4114	76.8
F	17714	2511	11089	4114	76.8



VICINITY MAP
SCALE: 1"=2000'

LEGEND

- 64.0 PROPOSED CONTOUR
- 64.0 EXISTING CONTOUR
- 64.0 PROPOSED SPOT ELEVATION
- 64.0 SPOT ELEVATION FOR FUTURE EXPANSION
- 64.0 EXISTING SPOT ELEVATION
- A BASIN DESIGNATION
- 0.00 BASIN AREA IN ACRES
- Q10 10 YEAR RUNOFF IN CFS
- Q100 100 YEAR RUNOFF IN CFS
- DRAINAGE BASIN BOUNDARY LINE
- FLOW ARROW
- FF FINISHED FLOOR
- FL FLOWLINE
- TI TOP OF ISLAND
- TOT TOP OF TANK
- HP HIGH POINT
- LP LOW POINT

NOTE

- ELEVATIONS SHOWN HEREON ARE REFERENCED TO N.S.S. MONUMENT "A-438", A STAINLESS ROD LOCATED IN THE NORTHWEST QUADRANT OF MENAUL BLVD. NW AND THE A.T. & S.F. RAILROAD TRACK INTERSECTION. ELEVATION = 4972.670.

SITE DEVELOPER - MR. JIM REED
DIAMOND SHAMROCK
8702 BROCKBANK
DALLAS, TX 75220
(214) 357-7386

REVISIONS	No.	Description	Des. By	Drn. By	Date

DIAMOND SHAMROCK
9830 COLONADE BLVD.,
SAN ANTONIO, TEXAS 78230

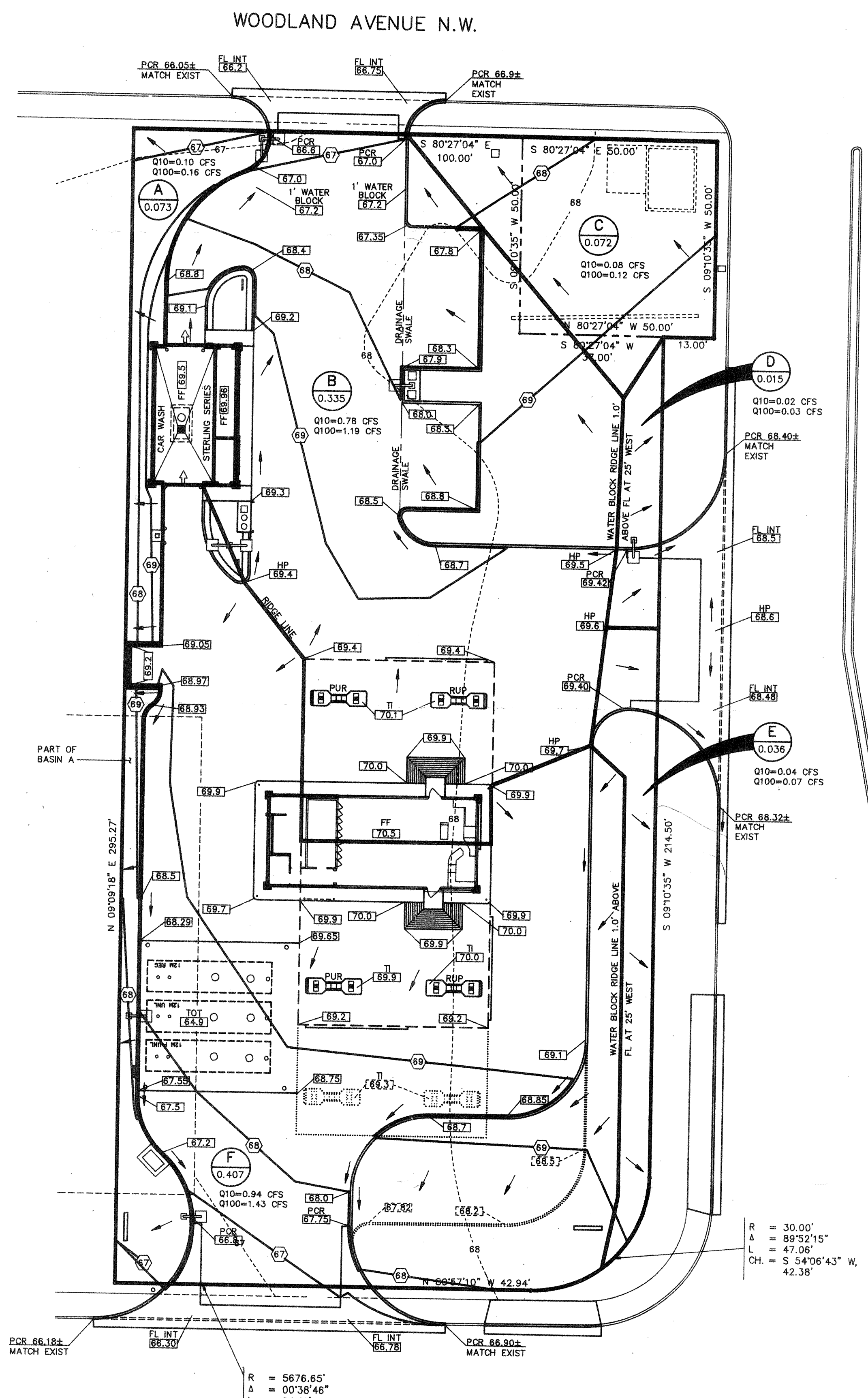
Galloway, Romero & Associates
Design Engineering Planning
14202 East Evans Avenue
Aurora, Colorado 80014
Tel. (303) 745-7446
Fax. (303) 745-7480

GRADING & DRAINAGE PLAN

12805 MENAUL BLVD. N.E.
ALBUQUERQUE, NEW MEXICO

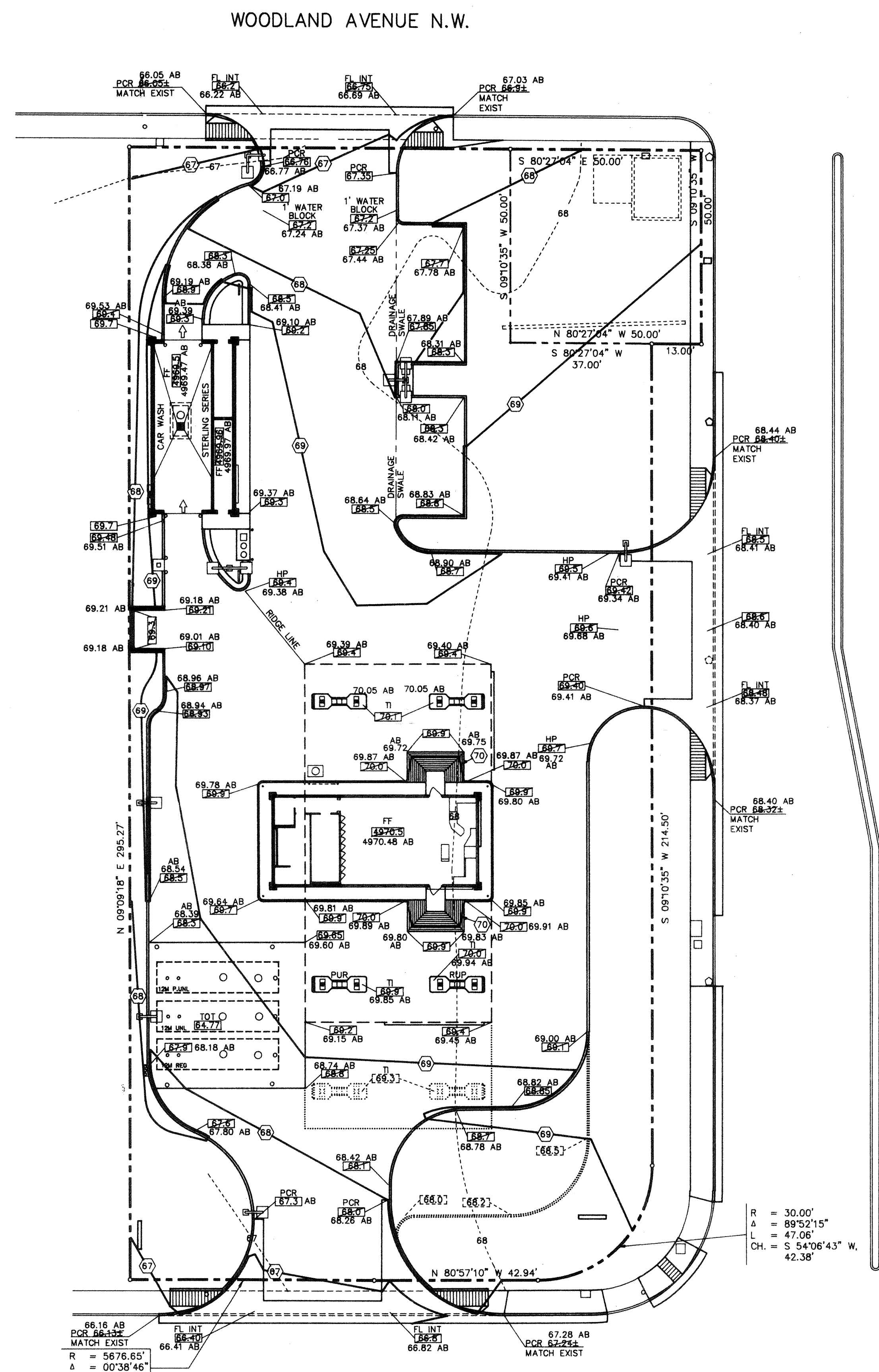
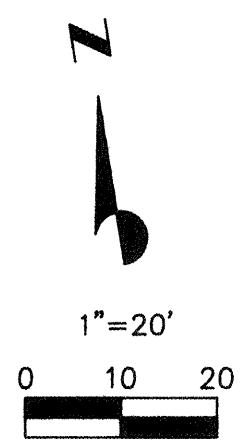
Designed By: LLP Date: SEPT, 1991
Drawn By: C.H./RDG Scale: 1"=20'-0"
Checked By: LLP Disk File: DS12805

NOTICE: THIS DOCUMENT IS THE PROPERTY OF DIAMOND SHAMROCK. IT IS NOT TO BE REPRODUCED OR COPIED IN ANY MANNER, LOANED OR OTHERWISE DISPOSED OF, OR USED FOR ANY PURPOSE WHATSOEVER, WITHOUT THE PRIOR WRITTEN PERMISSION OF DIAMOND SHAMROCK. IF THIS DOCUMENT IS LOANED BY OR WITH THE AUTHORITY OF DIAMOND SHAMROCK, THE BORROWER, IN CONSIDERATION OF SUCH LOAN, AGREES TO THE FOREGOING CONDITIONS AND TO RETURN THIS DOCUMENT UPON REQUEST OR UPON COMPLETION OF THE SPECIFICALLY AUTHORIZED WORK FOR WHICH IT WAS USED.



SECOND ST. N.W.

MENAU BLVD. N.W.



66.16 AB
PCR 66.53
MATCH EXIST
R = 5676.65'
Δ = 00°38'46"
L = 64.01'

R = 30.00'
Δ = 89°52'15"
L = 47.06'
CH = S 54°06'43" W
42.38'

MENAU BLVD. N.W.

SECOND ST. N.W.

GENERAL NOTES:

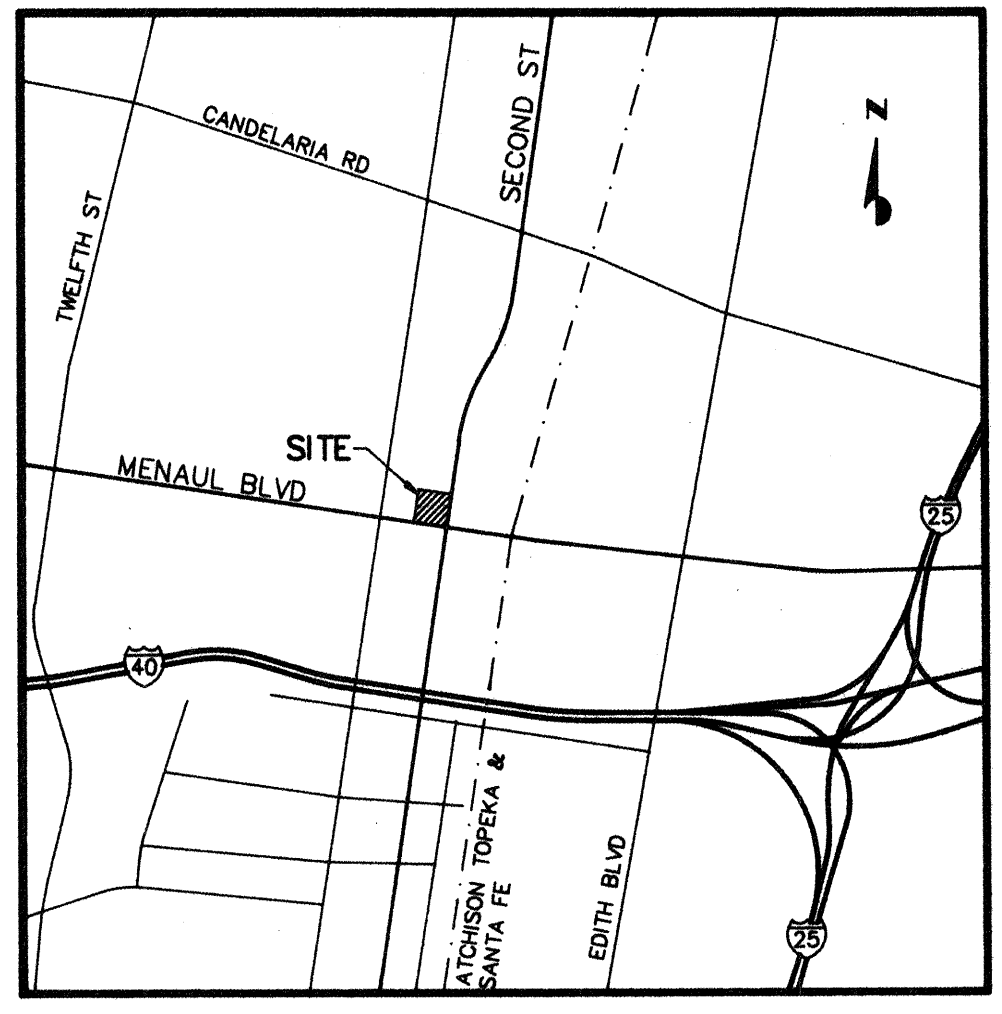
1. ALL PHASES OF WORK UNDER THIS CONTRACT SHALL BE IN STRICT ACCORDANCE WITH APPLICABLE ITEMS OF THE STATE DEPARTMENT OF HIGHWAYS AND PUBLIC TRANSPORTATION SPECIFICATIONS AND LOCAL STANDARD SPECIFICATIONS FOR CONSTRUCTION. FINAL DECISIONS OR JUDGMENTS ON MATTERS NOT SPECIFICALLY COVERED BY THE ABOVE STATEMENT SHALL BE MADE BY THE DIAMOND SHAMROCK ENGINEER.
2. CONTRACTOR SHALL COMPLY WITH ALL LOCAL BUILDING CODES AND REGULATIONS, AS WELL AS OTHER SAFETY CODES AND INSPECTION PROVISIONS APPLICABLE TO THIS PROJECT.
3. CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR THE JOB SITE CONDITIONS DURING THE CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNERS AND THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF THE WORK ON THIS PROJECT. EXCEPTIONS FROM LIABILITY ARISING FROM SOLE NEGLIGENCE OF THE OWNERS OR ENGINEER.
4. BIDDERS ARE HEREBY NOTIFIED TO MAKE A THOROUGH REVIEW OF THE JOB SITE AND SOIL BORING INFORMATION PROVIDED BY OWNER. NO ADDITIONAL PAYMENT SHALL BE MADE FOR ROCK, SAND, GRAVEL, OR OTHER CONDITIONS ENCOUNTERED IN ANY WORK IMPLIED BY THESE DRAWINGS.
5. ALL WASTE MATERIAL SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND IT SHALL BE HIS SOLE RESPONSIBILITY TO DISPOSE OF THIS MATERIAL OFF THE LIMITS OF THE SITE TO PROPERTY WHERE THE CONTRACTOR HAS THE CONSENT OF THE OWNERS. NO WASTE MATERIAL SHALL BE PLACED IN EXISTING LOWS THAT WILL BLOCK OR ALTER THE FLOW LIMITS OF EXISTING NATURAL DRAINAGE.
6. CONCRETE SHALL HAVE A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 4000 PSI UNLESS OTHERWISE SPECIFIED ON PLANS. ALL EXPOSED EDGES OF CONCRETE SHALL HAVE A 3/4-INCH CHAMFER. REINFORCING STEEL BE GRADE 60 MINIMUM.
7. CONTRACTOR IS REQUIRED TO VERIFY PROJECT ELEVATIONS. "MATCH EXISTING" SHALL BE UNDERSTOOD TO SIGNIFY VERTICAL AND HORIZONTAL ALIGNMENT.
8. EXISTING ABOVE GROUND UTILITIES HAVE BEEN PLOTTED BY DIRECT FIELD INVESTIGATION (ON SURVEY PERFORMED BY OTHERS). UNDERGROUND UTILITIES HAVE BEEN COMPILED FROM VARIOUS SOURCES AND REQUIRE VERIFICATION BY THE CONTRACTOR TO ESTABLISH THEIR EXACT LOCATION AND DEPTH PRIOR TO SETTING ANY FINISH CONCRETE GRADE. CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGES TO EXISTING ABOVE GROUND OR UNDERGROUND UTILITIES, INCLUDING THOSE NOT SHOWN ON DRAWINGS. DEAD UTILITY LINES SHALL BE SUITABLY CAPPED.
9. ANY EXISTING SITE IMPROVEMENTS OR UTILITY REMOVED, DAMAGED OR UNDERCUT BY CONTRACTOR'S OPERATIONS SHALL BE REPAIRED OR REPLACED AS DIRECTED BY THE OWNER AND APPROVED BY THE RESPECTIVE UTILITY AT THE CONTRACTOR'S EXPENSE.
10. FOR LOCATION OF UNDERGROUND ELECTRIC, GAS, TELEPHONE AND WATER FACILITIES CALL THE LOCAL UTILITY LOCATION 48-HOURS BEFORE BEGINNING ANY EXCAVATION.
11. WHEN SEWER LINES ARE INSTALLED IN THE VICINITY OF WATER MAINS, SUCH INSTALLATION SHALL BE IN STRICT ACCORDANCE WITH THE STATE DEPARTMENT OF HEALTH "RULES AND REGULATIONS FOR PUBLIC WATER SYSTEM." (LATEST REVISION)
12. (A) HEAD-IN PARKING PLACES SHALL BE 9' X 20' WITH PAINTED WHITE STRIPES.
(B) PARALLEL PARKING SPACES SHALL BE 10' X 25' STRIPED WITH WHITE PAINT.
13. ALL AREAS DESIGNATED FOR GRASS WITHIN THE PROPERTY LINES AND THE R.O.W. SHALL BE SOODED SOLID WITH NATIVE GRASS, UNLESS OTHERWISE SPECIFIED.
14. ALL DIMENSIONS ARE TO BE MEASURED FROM BACK OF CURB.
15. GENERAL CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL TREES, INDICATED ON OR OFF THE SURVEY, WITHIN THE DESIGNATED LANDSCAPE AREAS OF THE SITE PLAN INCLUDING THE RIGHT-OF-WAY. TREES LOCATED WITHIN THESE LANDSCAPED AREAS ARE TO BE REVIEWED WITH THE LOCAL DIAMOND SHAMROCK AREA ENGINEER PRIOR TO REMOVING.

ENGINEERS AS BUILT CERTIFICATION

THIS IS TO CERTIFY THAT THE DIAMOND SHAMROCK SITE AT 2601 SECOND STREET N.W. WAS CONSTRUCTED IN SUBSTANTIAL COMPLIANCE WITH THE APPROVED GRADING & DRAINAGE PLAN.

C.D. Galloway
C.D. GALLOWAY P.E. NO. 4412
NEW MEXICO REGISTERED PROFESSIONAL ENGINEER

8/26/92
DATE



VICINITY MAP
SCALE: 1"=2000'

LEGEND

- 64.0 --- PROPOSED CONTOUR
- 64.0 --- EXISTING CONTOUR
- 64.0 --- PROPOSED SPOT ELEVATION
- 64.0 --- SPOT ELEVATION FOR FUTURE EXPANSION
- 64.0 --- EXISTING SPOT ELEVATION
- FF FINISHED FLOOR
- FL FLOWLINE
- TI TOP OF ISLAND
- TOT TOP OF TANK
- HP HIGH POINT
- LP LOW POINT
- AB AS BUILT

NOTE

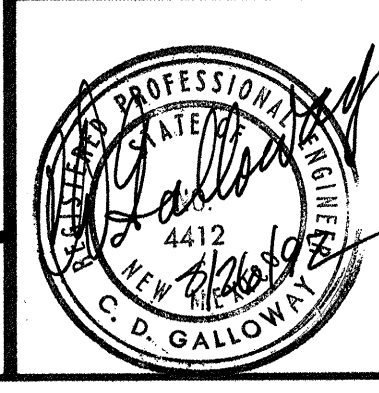
1. ELEVATIONS SHOWN HEREON ARE REFERENCED TO N.S.S. MONUMENT "A-438", A STAINLESS ROD LOCATED IN THE NORTHWEST QUADRANT OF MENAU BLVD. NW AND THE A.T. & S.F. RAILROAD TRACK INTERSECTION. ELEVATION = 4972.670.

AS BUILT

REVISIONS			
No.	Description	Des. By	Drn. By
1	PER JIM REED	LLP	JMK
2	PER CITY AND ADDED NEW CAR WASH	LLP	RDG
3	PER JIM REED	LLP	LLP
4	AS BUILT INFORMATION	LLP	CJH

DIAMOND SHAMROCK
9830 COLONNADE BLVD.
SAN ANTONIO, TEXAS 78230

Galloway, Romero & Associates
Design Engineering Planning
14202 East Evans Avenue
Aurora, Colorado 80014
Tel. (303) 745-7448
Fax. (303) 745-7480



GRADING & DRAINAGE PLAN
DIAMOND SHAMROCK # 1215

2601 SECOND ST. N.W.
ALBUQUERQUE, NEW MEXICO

Designed By: LLP Date: SEPT, 1991
Drawn By: CJH/RDG/ELS Scale: 1"=20'-0"
Checked By: LLP Disk File: 12805AB

SP-3

NOTICE: THIS DOCUMENT IS THE PROPERTY OF DIAMOND SHAMROCK. WITHIN THIS DOCUMENT WORK ANY DATA OR INFORMATION HEREIN SHALL BE COPIED OR REPRODUCED IN ANY MANNER, LOANED OR OTHERWISE DEPOSITED OR USED FOR ANY PURPOSE WHATSOEVER WITHOUT THE PRIOR WRITTEN PERMISSION OF DIAMOND SHAMROCK. IF THIS DOCUMENT IS LOANED BY OR WITH THE AUTHORITY OF DIAMOND SHAMROCK, THE BORROWER, IN CONSIDERATION OF SUCH LOAN, AGREES TO THE FOREGOING CONDITIONS AND TO RETURN THE DOCUMENT UPON REQUEST OR UPON COMPLETION OF THE SPECIFICALLY AUTHORIZED WORK FOR WHICH IT WAS USED.

RECEIVED
AUG 27 1992
HYDROLOGY DIVISION
SITE DEVELOPER - MR. JIM REED
DIAMOND SHAMROCK
9702 BROCKBANK
DALLAS, TX 75220
(214) 357-7386