

ELC CLARGINGS &

1. REFERENCES:

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.

The Mark William St. And A. C. and A. And A. C. and A. C

B. FLOODWAY, FLOOD BOUNDARY AND FLOODWAY MAP, CITY OF ALBUQUERQUE, NEW MEXICO, PANEL 22 OF 50.

C. ZONE ATLAS PAGE G-14-Z.

II. GENERAL INFORMATION:

A. SITE LIES IN ZONE TWO(2) (SEE REF. A, PAGE A-1)

B. 100 YEAR, 6 HOUR RAINFALL CRITERIA

C. TIME OF CONCENTRATION, Tc; Tc = 0.2 hr(12 MINUTES).

III.IMPERVIO	USNESS:				
TREATMEN		EXIS	ΓING	PROP	DSED
TYPE	SURFACES	SQ.FT	ACRES	SQ.FT	ACRES
Λ.	UNDEVELOPED	0	0.0000	0	0.0000
B	LANDSCAPING	Ö	0.0000	1.020	0.0234
· C	COMPACTED/VACANT	20,956	0.4811	5.870	0.1348
	IMPERVIOUS	20,500	0.0000	14,066	0.3229
, D	TOTAL AREA (TA)	20,956	0.4811	20,956	0.4811

IV. PEAK DISC	CHARGE 100 YEAR (R	REF. A, TA	BLE A-9): Ting	PROP	OSED
TYPE	SURFACES	CFS/Ac	Qp(100)	CFS/Ac	Qp(100)
A	UNDEVELOPED	1.59	````O.OÓ	1.59	0.00
B	LANDSCAPING	2.28	0.00	2.28	0.05
Č	COMPACTED/VACANT	3.14	1.51	3.14	0.42
Ď	IMPERVIOUS	4.70	0.00	4.70	1.52
	PEAK DISCHARGE FR	ROM SITE	1.51	CFS	1.99 CFS

٧.	PEAK DIS	CHARGE 10 YEAR (RE	F. A, TAB	LE A-9): TING	PROP	OSED	
	TYPE	SURFACES	CFS/Ac	Qp(10)	CFS/Ac	Qp(10)	
	Α	UNDEVELOPED	0.38	0.00	0.38	0.00	
	B	LANDSCAPING	0.95	0.00	0.95	0.02	
	Č	COMPACTED/VACANT	1.71	0.82	1.71	0.23	
	Ď	IMPERVIOUS	3.14	0.00	3.14	1.01	
	J	PEAK DISCHARGE FR	OM SITE	0.82	CFS	1.27	-

WELL AND MEN OF THE	/DEE	A TABLE	A 0).		
VI. WEIGHTED "E" 100 YEAR, 6 HR. TREATMENT TYPES OF	(KEF.	A, TABLE TING	PROP	OSED	
TYPE SURFACES	E	ExA/TA	E	ExA/TA	
A UNDEVELOPED	0.53	0.00	0.53	0.00	
B LANDSCAPING	0.78	0.00	0.78	0.04	
C COMPACTED/VACANT	1.13	1.13	1.13	0.32	
D IMPERVIOUS WEIGHTED "E" FACTOR	2.12	0.00	2.12 IN	1.42 1.78 l	1

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

1.13 x 0.4811/12 = 0.05 AC. FT. = 1,973 CU.FT

POSED

1.78 x 0.4811/12 = 0.07 AC. FT.
= 3,104 CU.FT

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 ENTER. 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

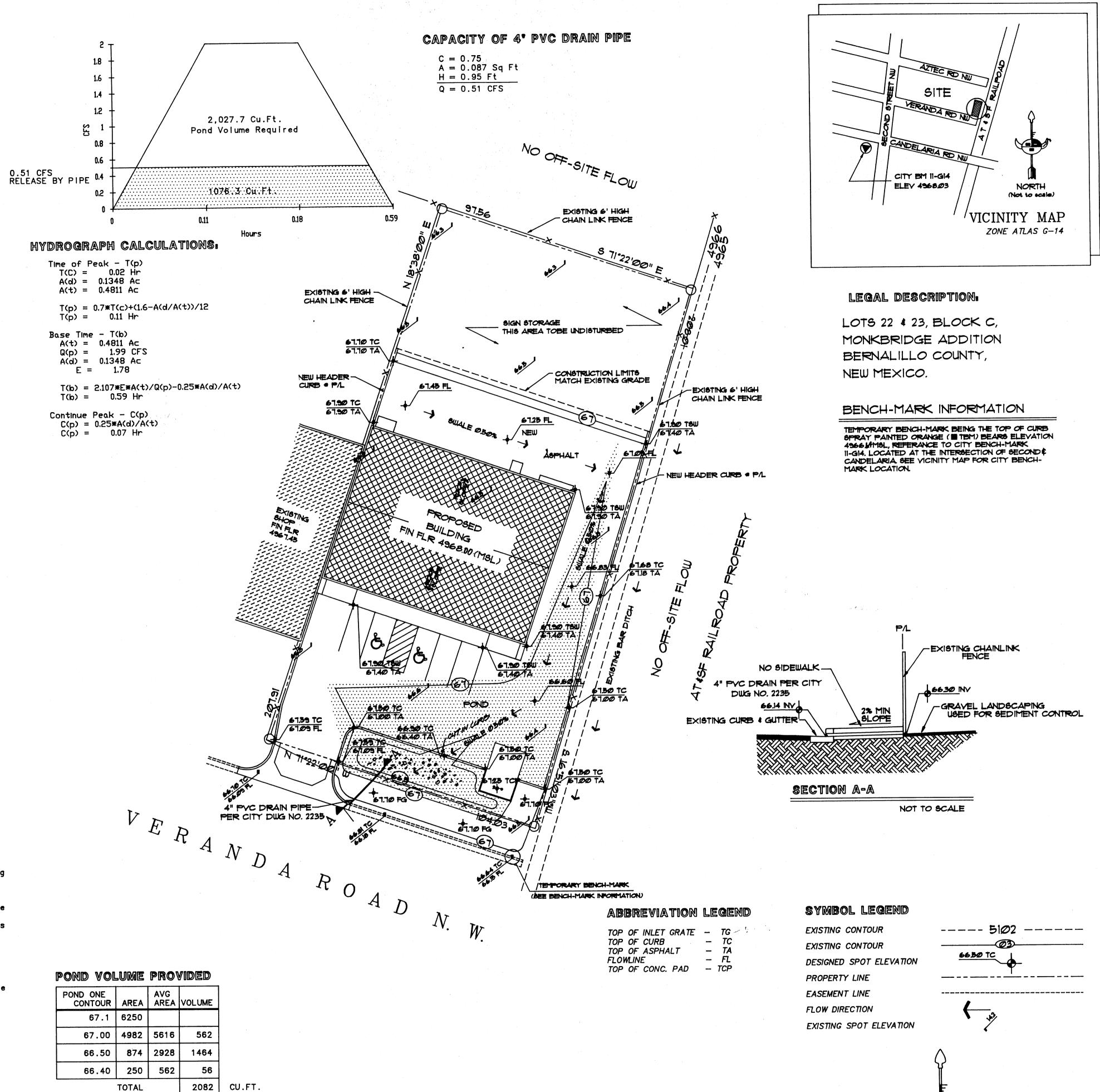
STREETS.

- 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.

s.o.19 Sign-off.

- 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 preformed, 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 workings 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 horizonal 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. Maintenance of these facilities shall be the responsibility of the Owner of property served.

APPROVAL	NAME	DATE	Title:				
Hydrology	B. Matya	7/9/96	Office & Storage Facilities				
Inspector			Permit No.	Мар			
A.C.E./Field			Sheet 1 of 1	Number G-14			



GRADING & DRAINAGE PLAN SCALE: 1"=20.0"

DATE MAY 1985

DRAIN BY: HHOOD

JUL - 2 1996

GHOOD BY: RALLER JR

JOB TITLE

DRAINAGE CALCULATIONS:

REFERENCES:

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II. GENERAL INFORMATION: A. SITE LIES IN ZONE TWO(2) (SEE REF. A, PAGE A-1) B. 100 YEAR, 6 HOUR RAINFALL CRITERIA C. TIME OF CONCENTRATION, Tc; Tc = 0.2 hr(12 MINUTES)

III.IMPERVIOL	JSNESS:				
TREATMEN		EXIS	TING	PROP	DSED
TYPE	SURFACES	SQ.FT	ACRES	SQ.FT	ACRES
A	UNDEVELOPED	0	0.0000	0	0.0000
В	LANDSCAPING	0	0.0000	1,020	0.0234
C	COMPACTED/VACANT	20,956	0.4811	5,870	0.1348
D	IMPERVIOUS	0	0.0000	14,066	0.3229
	TOTAL AREA (TA)	20,956	0.4811	20,956	0.4811

IV. PEAK DISCHARGE 100 YEAR (REF. A, TABLE A-9): TYPES OF EXISTING PROPOSED TREATMENT CFS/Ac Qp(100) CFS/Ac Qp(100) SURFACES 1.59 1.59 0.00 UNDEVELOPED 2.28 2.28 0.00 0.05 LANDSCAPING 3.14 0.42 3.14 1.51 COMPACTED/VACANT 4.70 0.00 4.70 1.52 IMPERVIOUS 1.99 CFS PEAK DISCHARGE FROM SITE 1.51 CFS

٧.	PEAK DIS	CHARGE 10 YEAR (RE	F. A, TAB	LE A-9):			
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VI.	WEIGHTED	"E" 100 YEAR, 6 HR.	(REF.	A, TABLE	A-8):	
		T TYPES OF		TING	PROP	OSED
	TYPE	SURFACES	Ε	ExA/TA	Ε	ExA/TA
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		WEIGHTED "E" FACTOR		1.13	1N	1.78

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

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EROSION CONTROL MEASURES:

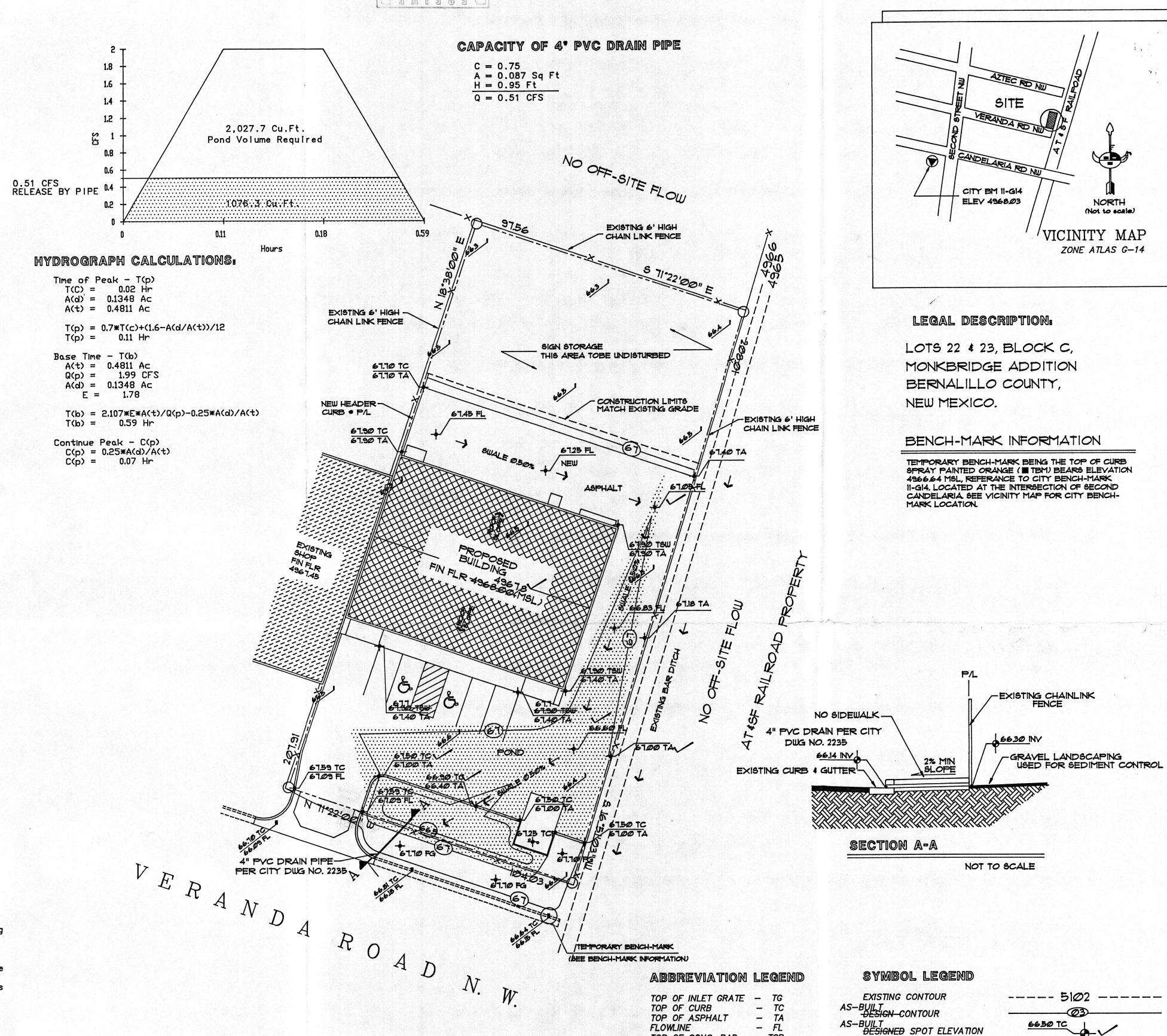
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S.O.19 SIGN-OFF:

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Hydrology			Office & Storage	Facilities
Inspector			Permit No.	Мар
A.C.F./Field			Sheet 1 of 1	Number G-14



DEOLOGY DIVI

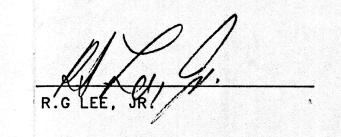
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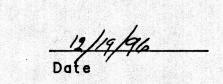
POND VOLUME PROVIDED

POND ONE CONTOUR	AREA	AVG AREA	VOLUME
67.1	6250		
67.00	4982	5616	562
66.50	874	2928	1464
66.40	250	562	56
	TOTAL		2082

CERTIFICATION

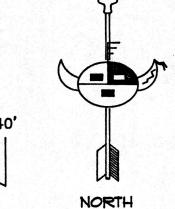
I R.G Lee, Jr, Registered Professional Engineer hereby certify the improvements shown hereon are in substantial compliance with the approved drainage plan.





TOP OF CONC. PAD - TCP

GRADING & DRAINAGE PLAN SCALE: 1"=20.0'



PROPERTY LINE

EASEMENT LINE

FLOW DIRECTION

EXISTING SPOT ELEVATION

JOB NO: 9506 DATE MAY 1995 REVISION:

DRAWN BY: HHOOD

CHECKED BY: R.G. LEE, JR

JOB TITLE