

CITY OF ALBUQUERQUE



March 25, 2010

Guy C. Jackson, P.E.
Guy Jackson & Associates
10522 Florence Ave. NE
Albuquerque, NM 87122

**Re: Matheson Tri-gas, 8200 Washington St. NE, (C-17/D005A),
Request for Permanent Certificate of Occupancy - Approved
Approved Engineer's Stamp date: 1/23/09,
Certification dated: 3-25-10**

Dear Mr. Jackson,

Based upon the information provided in the submittal received 3-25-10, the above referenced Certification is approved for release of Permanent Certificate of Occupancy by Hydrology.

If you have any questions, you can contact me at 924-3982.

Sincerely,

Timothy E. Sims
Plan Checker—Hydrology
Development and Building Services

PO Box 1293

Albuquerque

NM 87103

www.cabq.gov

Copy: file
CO Clerk—Katrina Sigala

CITY OF ALBUQUERQUE



January 29, 2009

Guy C. Jackson, P.E.
Guy Jackson and Associates, LLC
10522 Florence Ave., NE
Albuquerque, NM 87122

Re: Matheson Tri-Gas
8200 Washington NE, Grading and Drainage Plan
Engineer's Stamp dated 01-23-09 (C-17/D005A)

Dear Mr. Jackson,

Based upon the information provided in your submittal received 01-26-09, the above referenced plan is approved for Building Permit. Please provide certified as-builts for our hydrology files.

If you have any questions, you can contact me at 924-3630.

Sincerely,

Nilo E. Salgado-Fernandez, P.E.
Senior Engineer, Planning Dept.
Development and Building Services

C: File

PO Box 1293

Albuquerque

NM 87103

www.cabq.gov

DRAINAGE AND TRANSPORTATION INFORMATION SHEET
(Rev. 12/05)

PROJECT TITLE: Matheson Tri-Gas
DRB#: _____ EPC#: _____ WORK ORDER#: _____

ZONE MAP/DRG. FILE # -C-17/D005A

LEGAL DESCRIPTION: Land of Big 3 Industries, Inc. Elena Gallegos Grant, Section 14, Township 11 North, Range 3 East

CITY ADDRESS: 78200 Washington St. NE, 87113

ENGINEERING FIRM: GUY JACKSON & ASSOCIATES, LLC
ADDRESS: 10522 FLORENCE AVE. NE
CITY, STATE: ALBUQUERQUE, NM

CONTACT: GUY JACKSON, PE
PHONE: 235-1426
ZIP CODE: 87122

OWNER: Tri Gas
ADDRESS: 78200 Washington St. NE
CITY, STATE: Albuquerque, NM

CONTACT: Jim Smith
PHONE: 823-2600
ZIP CODE: 87113

ARCHITECT: NA
ADDRESS: NA
CITY, STATE: _____

CONTACT: _____
PHONE: _____
ZIP CODE: _____

SURVEYOR: Andrew Medina
ADDRESS: Sec Engineer
CITY, STATE: _____

CONTACT: NA
PHONE: _____
ZIP CODE: _____

CONTRACTOR: TBD
ADDRESS: _____
CITY, STATE: _____

CONTACT: _____
PHONE: _____
ZIP CODE: _____

TYPE OF SUBMITTAL:
☐ DRAINAGE REPORT
☐ DRAINAGE PLAN 1st SUBMITTAL
☐ DRAINAGE PLAN RESUBMITTAL
☐ CONCEPTUAL G & D PLAN
☐ GRADING PLAN
☐ EROSION CONTROL PLAN
☒ ENGINEER'S CERT (HYDROLOGY)
☐ CLOMR/LOMR
☐ TRAFFIC CIRCULATION LAYOUT
☐ ENGINEER/ARCHITECT CERT (TCL)
☐ ENGINEER/ARCHITECT CERT (DRB S.P.)
☐ ENGINEER/ARCHITECT CERT (AA)
☐ OTHER (SPECIFY) _____

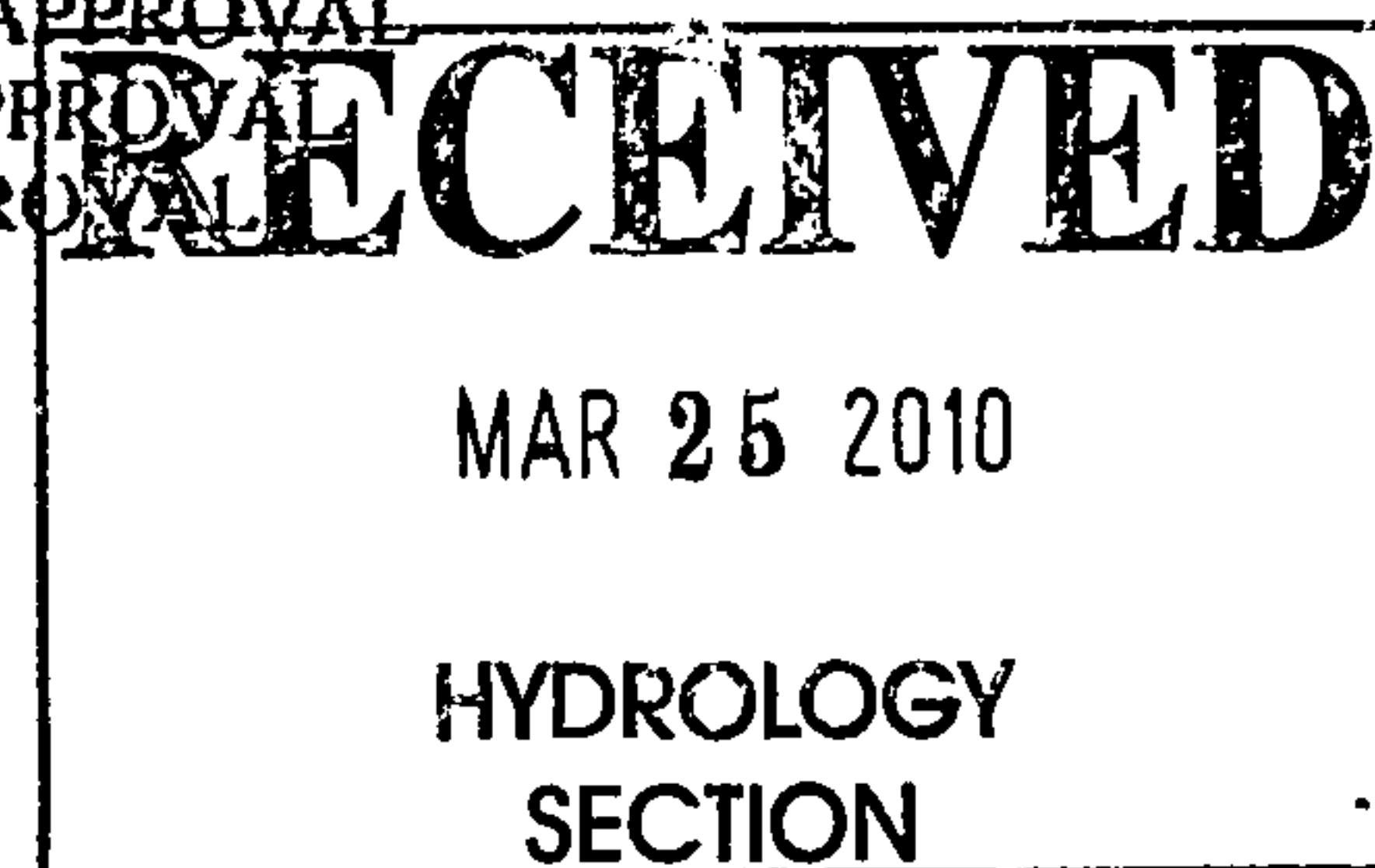
CHECK TYPE OF APPROVAL SOUGHT:
☐ SIA/FINANCIAL GUARANTEE RELEASE
☐ PRELIMINARY PLAT APPROVAL
☐ S. DEV. PLAN FOR SUB'D APPROVAL
☐ S. DEV. FOR BLDG. PERMIT APPROVAL
☐ SECTOR PLAN APPROVAL
☐ FINAL PLAT APPROVAL
☐ FOUNDATION PERMIT APPROVAL
☐ BUILDING PERMIT APPROVAL
☒ CERTIFICATE OF OCCUPANCY (PERM)
☐ CERTIFICATE OF OCCUPANCY (TEMP)
☐ GRADING PERMIT APPROVAL
☐ PAVING PERMIT APPROVAL
☐ WORK ORDER APPROVAL
☐ OTHER (SPECIFY) _____

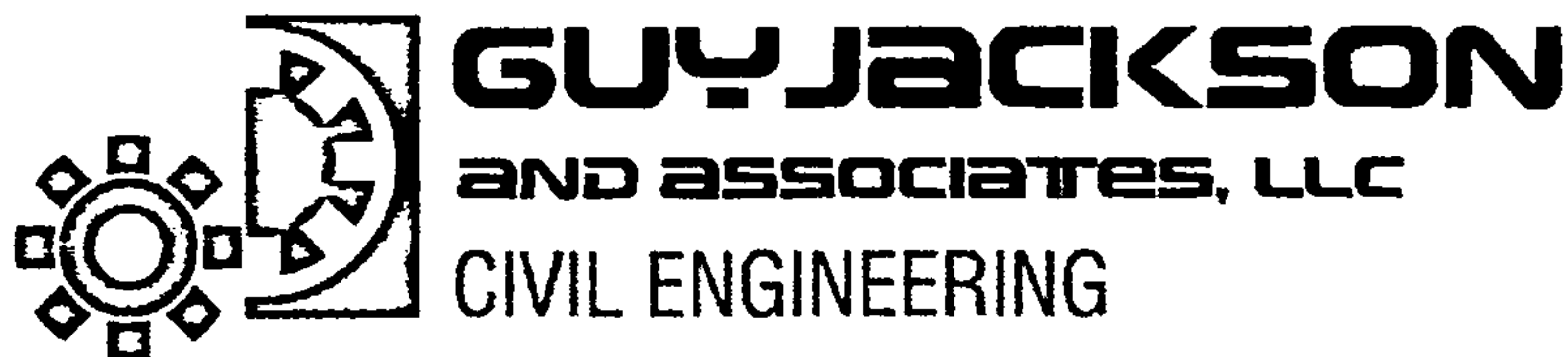
WAS A PRE-DESIGN CONFERENCE ATTENDED:
☐ YES
☒ NO
☐ COPY PROVIDED

SUBMITTED BY: GUY JACKSON, PE DATE: 3-25-10

Requests for approvals of Site Development Plans and/or Subdivision Plats shall be accompanied by a drainage submittal. The particular nature, location and scope to the proposed development define the degree of drainage detail. One or more of the following levels of submittal may be required based on the following:

1. **Conceptual Grading and Drainage Plan:** Required for approval of Site Development Plans greater than five (5) acres and Sector Plans.
2. **Drainage Plans:** Required for building permits, grading permits, paving permits and site plans less than five (5) acres.
3. **Drainage Report:** Required for subdivision containing more than ten (10) lots or constituting five (5) acres or more.





March 25, 2010

Brad Bingham, PE
Hydrology Department Head
Development Services
PO Box 1293
Albuquerque, New Mexico 87103

**Re: Matheson Tri-Gas: Storage Facility Addition
(Zone Atlas Map C-17)**

Dear Brad:

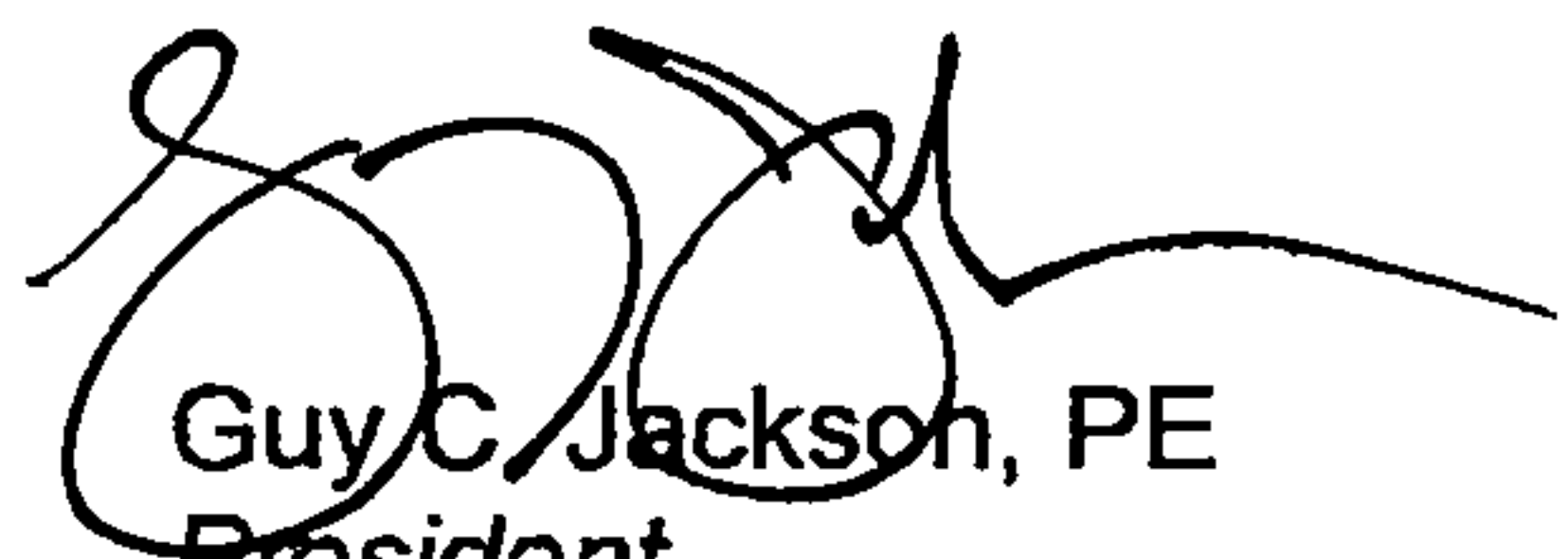
Attached for Certificate of Occupancy Approval are the following:

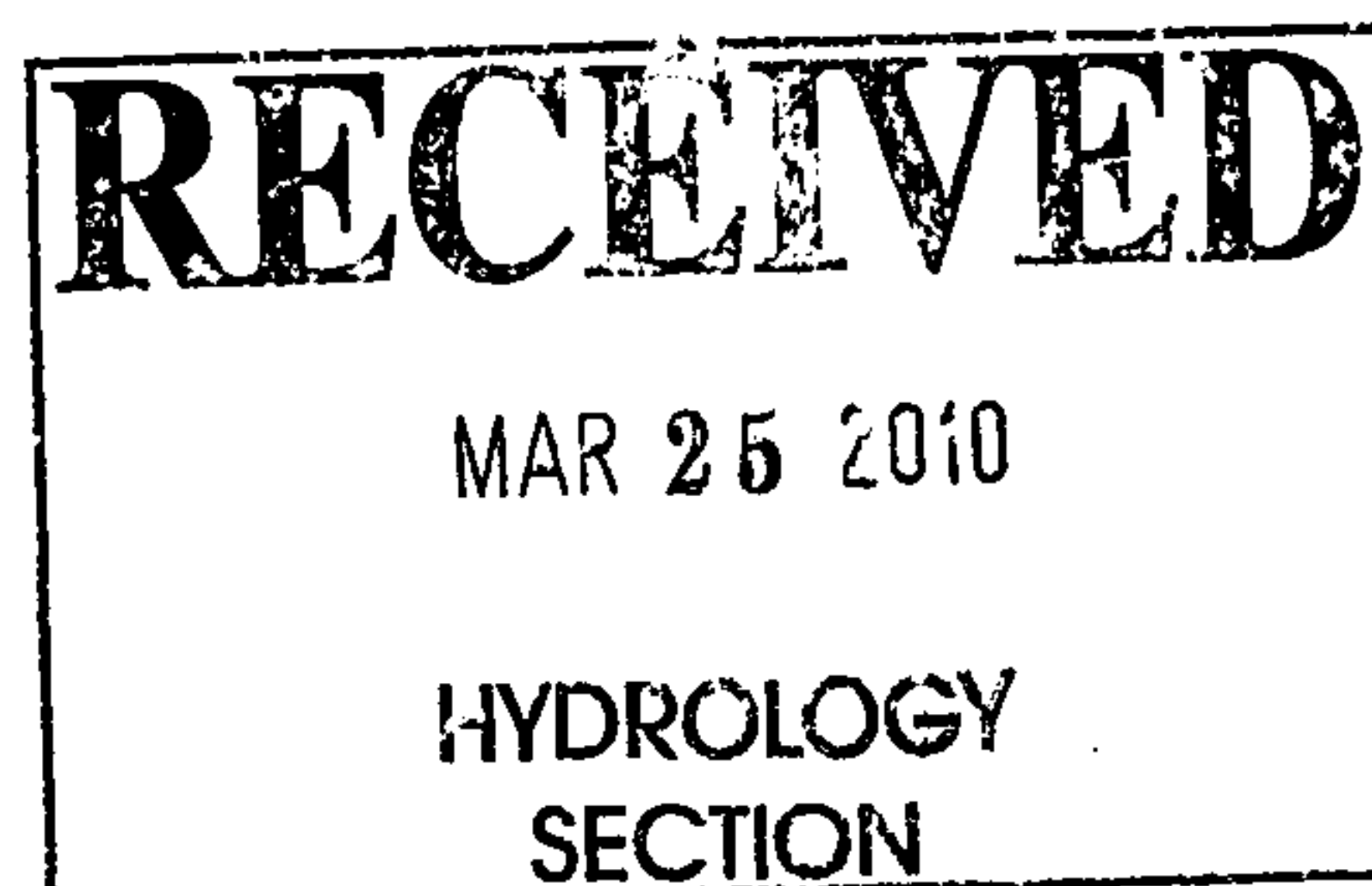
- One (1) drainage information sheet
- One (1) copy of the Certified Grading & Drainage Plan

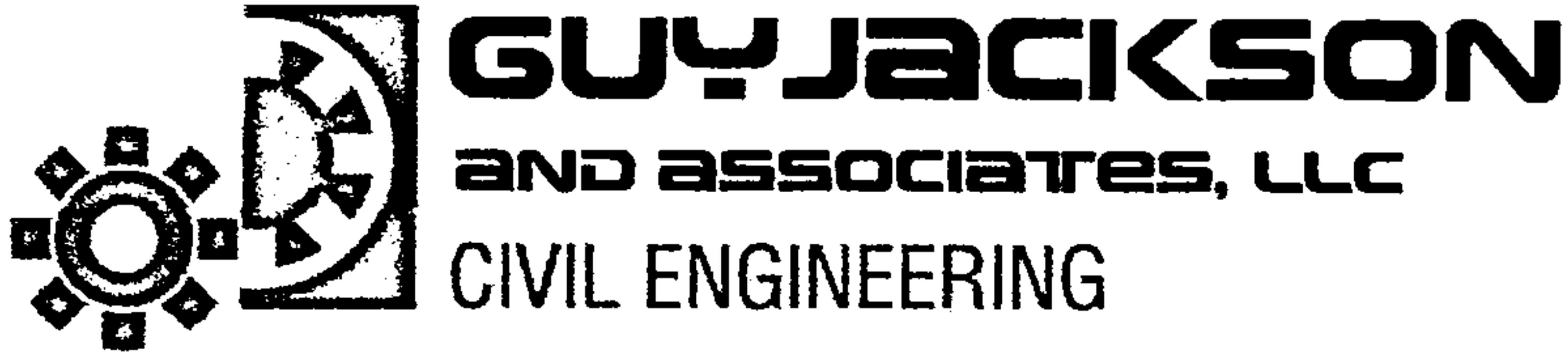
The project is located at 8200 Washington NE and is an infill development as shown on the attached plan. The as-built improvements include the construction of approx. 480SF of storage building, 550SF of outdoor covered storage building and 4100SF of paved area – totaling 5130SF of impervious area.

Please contact me if you have any questions or comments.
Sincerely,

GUY JACKSON & ASSOCIATES, LLC


Guy C. Jackson, PE
President
10522 Florence Ave. NE
Albuquerque, NM 87122
505-25-35-1426





January 26, 2009

Brad Bingham, PE
Hydrology Department Head
Development Services
PO Box 1293
Albuquerque, New Mexico 87103

**Re: Matheson Tri-Gas: Storage Facility Addition
(Zone Atlas Map C-17)**

Dear Brad:

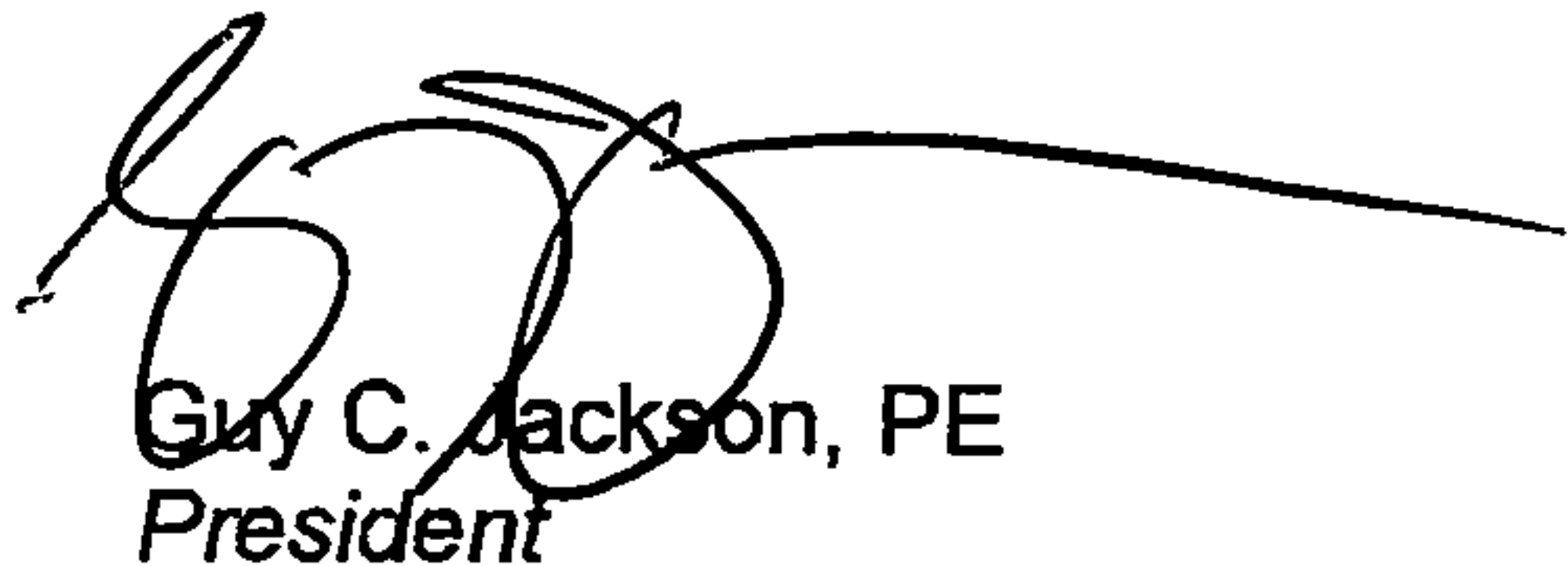
Attached for Building Permit Approval are the following:

- One (1) drainage information sheet
- One (2) copies of the Grading & Drainage Plans
- One(1) Copy of the Drainage Calculations

The project is located at 8200 Washington NE and is an infill development as shown on the attached plans. The proposed improvements include the construction of approx. 480SF of storage building, 550SF of outdoor covered storage building and 4100SF of paved area – totaling 5130SF of impervious area.

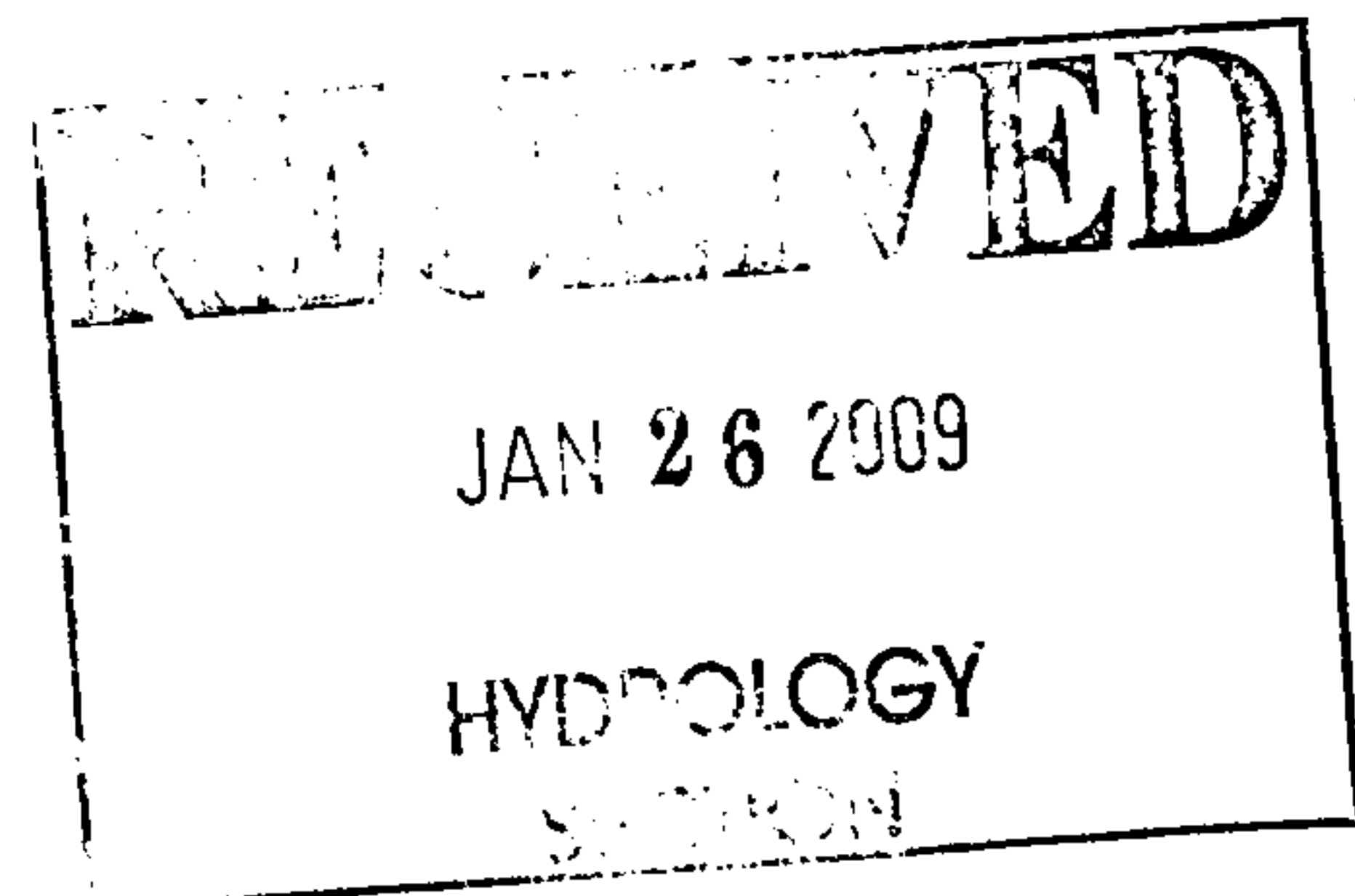
Please contact me if you have any questions or comments.
Sincerely,

GUY JACKSON & ASSOCIATES, LLC



Guy C. Jackson, PE
President

10522 Florence Ave. NE
Albuquerque, NM 87122
505-25-35-1426



Drainage Summary

Drainage Summary

Project: Tri-Gas
 Project Number:
 Date: 01/21/09
 By: GJA

Site Location

Precipitation Zone

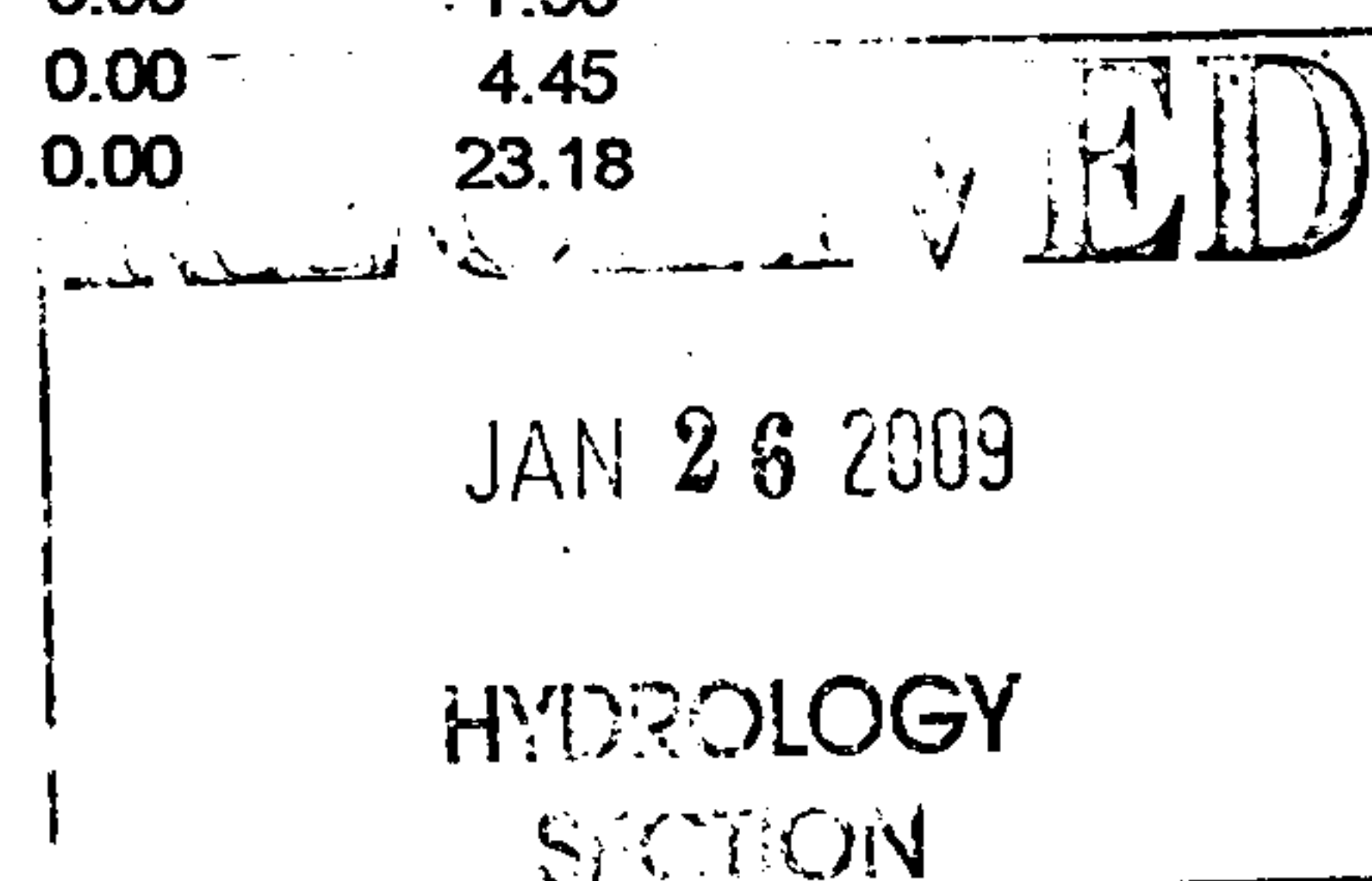
2 Per Table A-1 COA DPM Section 22.2

Existing summary

Basin Name	DA #					TOTAL
Soil Treatment (acres)						
Area "A"	0.00	0.00	0.00	0.00	0.00	0.00
Area "B"	0.00	0.00	0.00	0.00	0.00	0.00
Area "C"	0.17	0.00	0.00	0.00	0.00	0.17
Area "D"	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL	2.39	0.00	0.00	0.00	0.00	2.39
Excess Runoff (acre-feet)						
100yr. 6hr.	0.41	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0.41
10yr. 6hr.	0.26	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0.26
2yr. 6hr.	0.15	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0.15
100yr. 24hr.	0.48	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0.48
TOTAL	1.29	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	1.29
Peak Discharge (cfs)						
100 yr.	10.97	0.00	0.00	0.00	0.00	10.97
10yr.	7.26	0.00	0.00	0.00	0.00	7.26
2yr.	4.23	0.00	0.00	0.00	0.00	4.23
TOTAL	22.46	0.00	0.00	0.00	0.00	22.46

Proposed summary

Basin Name	DA #1						TOTAL
Soil Treatment (acres)							
Area "A"	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Area "B"	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Area "C"	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Area "D"	2.39	0.00	0.00	0.00	0.00	0.00	2.39
TOTAL	2.39	0.00	0.00	0.00	0.00	0.00	2.39
Excess Runoff (acre-feet)							
100yr. 6hr.	0.42	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0.42
10yr. 6hr.	0.27	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0.27
2yr. 6hr.	0.16	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0.16
100yr. 24hr.	0.50	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0.50
TOTAL	1.35	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	1.35
Peak Discharge (cfs)							
100yr	11.23	0.00	0.00	0.00	0.00	0.00	11.23
10yr.	7.50	0.00	0.00	0.00	0.00	0.00	7.50
2yr.	4.45	0.00	0.00	0.00	0.00	0.00	4.45
TOTAL	23.18	0.00	0.00	0.00	0.00	0.00	23.18



BPLW

Architects and Engineers

PROJECT Menaul Retail Center
 PROJECT NO.
 DATE 05/05/08
 BY GJA

DPM Section 22.2 - Hydrology

Part A-Watersheds less than 40 acres.
 January, 1993

INSTRUCTIONS

- * Spread sheet requires three input areas (dark cells):
 - Location
 - >A.1 Precipitation Zone
 - >A.3 Land Treatments
- * Values from the tables are automatically placed using "if" statements.
- * Table values should be checked for correctness for each use.

SUMMARY

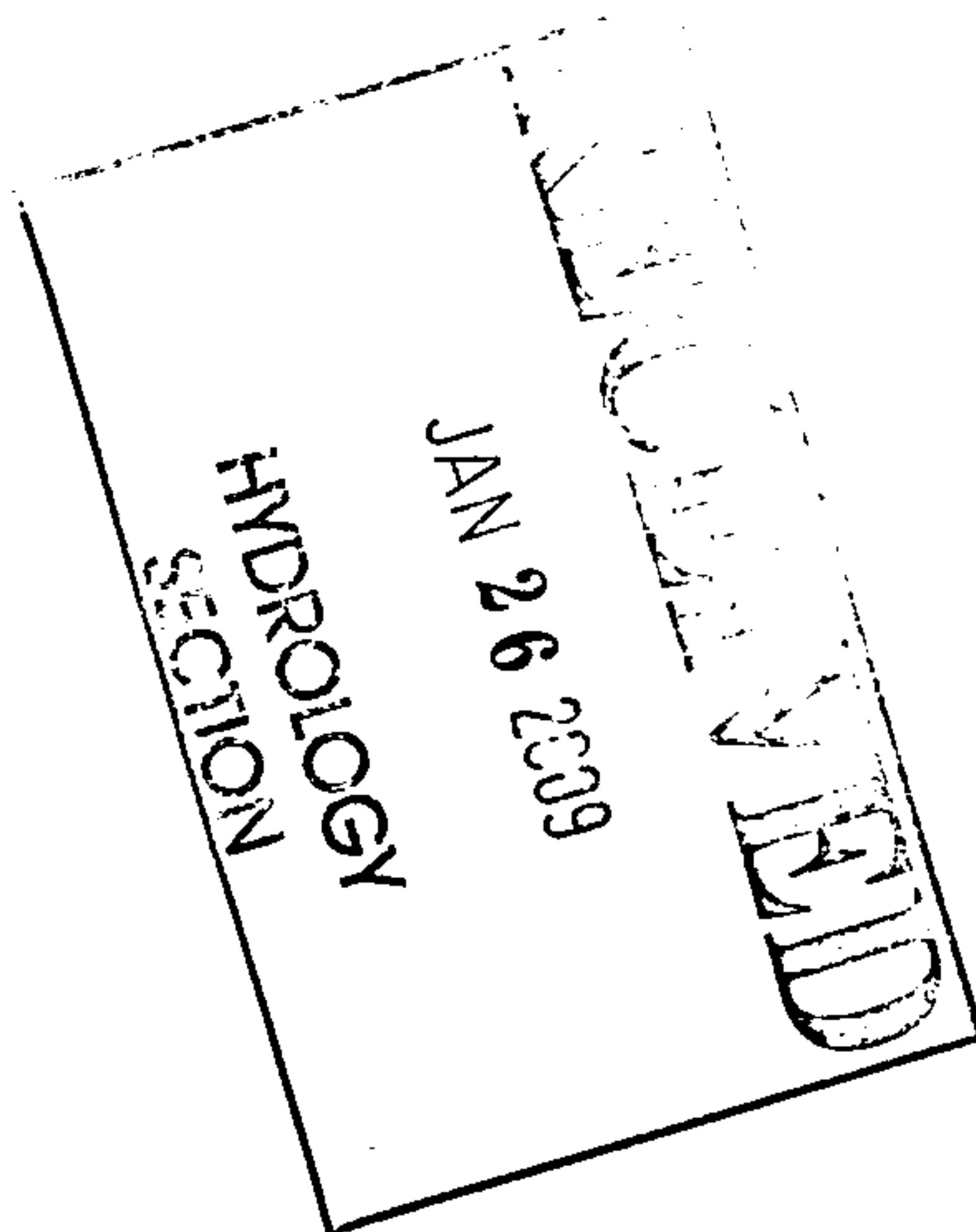
Location	DA #1					TOTALS	
Precipitation Zone	2	2	2	2	2	2	
Land Area	2.39	0.00	0.00	0.00	0.00	2.39	acres
Excess Precipitation Volume							
>>> 100-year 6-hour (design)	0.42	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0.42	acre-ft.
10-year 6-hour	0.27	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0.27	acre-ft.
2-year 6-hour	0.16	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0.16	acre-ft.
100-year 24-hour	0.50	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0.50	acre-ft.
Peak Discharge Rates (DPM)							
>>> Q100 (design)	11.23	0.00	0.00	0.00	0.00	11.23	cfs
Q10	7.50	0.00	0.00	0.00	0.00	7.50	cfs
Q2	4.45	0.00	0.00	0.00	0.00	4.45	cfs

CALCULATIONS FOLLOW

INPUT AND CALCULATIONS

LOCATION	DA #1						
>A.1 PRECIPITATION ZONE (from Table A-1)	2	2	2	2	2	2	
TOTALS							
>A.2 DEPTHS (from Table A-2)							
100-YEAR STORM (P60)	2.01	2.01	2.01	2.01	2.01	2.01	inches
100-YEAR STORM (P360)	2.35	2.35	2.35	2.35	2.35	2.35	inches
100-YEAR STORM (P1440)	2.75	2.75	2.75	2.75	2.75	2.75	inches
10-YEAR (P360) (Calculated: $P360 \cdot RPF10$)	1.57	1.57	1.57	1.57	1.57	1.57	inches
2-YEAR (P360) (Calculated: $P360 \cdot RPF2$)	1.02	1.02	1.02	1.02	1.02	1.02	inches
>A.3 LAND TREATMENTS (AI)	TOTALS						
Treatment A	0.00	0.00	0.00	0.00	0.00	0.00	acres
Treatment B	0.00	0.00	0.00	0.00	0.00	0.00	acres
Treatment C	0.00	0.00	0.00	0.00	0.00	0.00	acres
Treatment D	2.39	0.00	0.00	0.00	0.00	2.39	acres
Total Area	2.39	0.00	0.00	0.00	0.00	2.39	acres
>A.4 ABSTRACTIONS	See A.5	See A.5	See A.5	See A.5	See A.5	See A.5	

CALCULATIONS FOLLOW



INPUT AND CALCULATIONS (CON'T)

>A.5 EXCESS PRECIPITATION 6 HOUR AND 24 HOUR (EI)							TOTALS
from Table A-8							
100-year 6-hour							
Treatment A	0.53	0.53	0.53	0.53	0.53	0.53	inches
Treatment B	0.78	0.78	0.78	0.78	0.78	0.78	inches
Treatment C	1.13	1.13	1.13	1.13	1.13	1.13	inches
Treatment D	2.12	2.12	2.12	2.12	2.12	2.12	inches
WEIGHTED E (Sum EI*A/A)	2.12	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	2.12	inches
VOLUME V100:6h (E*A)	0.42	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0.42	acre-ft.
	18,392.48	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	18,392.48	ft^3
=====							=====
10-year 6-hour							
Treatment A	0.13	0.13	0.13	0.13	0.13	0.13	inches
Treatment B	0.28	0.28	0.28	0.28	0.28	0.28	inches
Treatment C	0.52	0.52	0.52	0.52	0.52	0.52	inches
Treatment D	1.34	1.34	1.34	1.34	1.34	1.34	inches
WEIGHTED E (Sum EI*A/A)	1.34	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	1.34	inches
VOLUME V10:6h (E*A)	0.27	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0.27	acre-ft.
	11,625.44	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	11,625.44	ft^3
=====							=====
2-year 6-hour							
Treatment A	0.00	0.00	0.00	0.00	0.00	0.00	inches
Treatment B	0.02	0.02	0.02	0.02	0.02	0.02	inches
Treatment C	0.15	0.15	0.15	0.15	0.15	0.15	inches
Treatment D	0.79	0.79	0.79	0.79	0.79	0.79	inches
WEIGHTED E (Sum EI*A/A)	0.79	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0.79	inches
VOLUME V2:6h (E*A)	0.16	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0.16	acre-ft.
	6,853.80	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	6,853.80	ft^3
=====							=====
100-year 24-hour							
VOLUME V100:24h	0.50	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0.50	acre-ft.
(V100-6h+Ad*P1440-P360)/12)	21,862.76	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	21,862.76	ft^3
=====							=====

CALCULATIONS FOLLOW

HYDROLOGY
 SECTION
 JAN 26 2009
 FIELD

INPUT AND CALCULATIONS (CONT)

>A.6 PEAK DISCHARGE RATE FOR SMALL WATERSHEDS (QI)							
from Table A-9							
100-year						TOTALS	
Treatment A	1.56	1.56	1.56	1.56	1.56	1.56	cfs/acre
Treatment B	2.28	2.28	2.28	2.28	2.28	2.28	cfs/acre
Treatment C	3.14	3.14	3.14	3.14	3.14	3.14	cfs/acre
Treatment D	4.70	4.70	4.70	4.70	4.70	4.70	cfs/acre
Q100 (Sum QI*AI)	11.23	0.00	0.00	0.00	0.00	11.23	cfs
=====							
10-year							
Treatment A	0.38	0.38	0.38	0.38	0.38	0.38	cfs/acre
Treatment B	0.95	0.95	0.95	0.95	0.95	0.95	cfs/acre
Treatment C	1.71	1.71	1.71	1.71	1.71	1.71	cfs/acre
Treatment D	3.14	3.14	3.14	3.14	3.14	3.14	cfs/acre
Q10 (Sum QI*AI)	7.50	0.00	0.00	0.00	0.00	7.50	cfs
=====							
2-year							
Treatment A	0.00	0.00	0.00	0.00	0.00	0.00	cfs/acre
Treatment B	0.08	0.08	0.08	0.08	0.08	0.08	cfs/acre
Treatment C	0.60	0.60	0.60	0.60	0.60	0.60	cfs/acre
Treatment D	1.86	1.86	1.86	1.86	1.86	1.86	cfs/acre
Q2 (Sum QI*AI)	4.45	0.00	0.00	0.00	0.00	4.45	cfs
=====							

CALCULATIONS FOLLOW

JAN 26 2009
 HYDROLOGY
 SECTION

Existing hyd.

BPLW

Architects and Engineers

PROJECT Menaul Retail Center
PROJECT NO.
DATE 05/05/08
BY GJA

DPM Section 22.2 - Hydrology

Part A-Watersheds less than 40 acres.
January, 1993

INSTRUCTIONS

- * Spread sheet requires three input areas (dark cells):
 - Location
 - >A.1 Precipitation Zone
 - >A.3 Land Treaments
- * Values from the tables are automatically placed using "if" statements.
- * Table values should be checked for correctness for each use.

SUMMARY

Location	0	DA #1				TOTALS	
Precipitation Zone		2	2	2	2	2	
Land Area		2.39	0.00	0.00	0.00	2.39	acres
Excess Precipitation Volume							
>>> 100-year 6-hour (design)		0.41	#DIV/0!	#DIV/0!	#DIV/0!	0.41	acre-ft.
10-year 6-hour		0.26	#DIV/0!	#DIV/0!	#DIV/0!	0.26	acre-ft.
2-year 6-hour		0.15	#DIV/0!	#DIV/0!	#DIV/0!	0.15	acre-ft.
100-year 24-hour		0.48	#DIV/0!	#DIV/0!	#DIV/0!	0.48	acre-ft.
Peak Discharge Rates (DPM)							
>>> Q100 (design)		10.97	0.00	0.00	0.00	10.97	cfs
Q10		7.26	0.00	0.00	0.00	7.26	cfs
Q2		4.23	0.00	0.00	0.00	4.23	cfs

CALCULATIONS FOLLOW

RECD

JAN 23 2009

HYDROLOGY

ON

Existing hyd.

INPUT AND CALCULATIONS

LOCATION		DA #1					
>A.1 PRECIPITATION ZONE (from Table A-1)		2	2	2	2	2	
>A.2 DEPTHS							
(from Table A-2)							
100-YEAR STORM (P60)		2.01	2.01	2.01	2.01	TOTALS 2.01	inches
100-YEAR STORM (P360)		2.35	2.35	2.35	2.35	2.35	inches
100-YEAR STORM (P1440)		2.75	2.75	2.75	2.75	2.75	inches
10-YEAR (P360) (Calculated: P360*RPF10)		1.57	1.57	1.57	1.57	1.57	inches
2-YEAR (P360) (Calculated: P360*RPF2)		1.02	1.02	1.02	1.02	1.02	inches
>A.3 LAND TREATMENTS (AI)							
Treatment A		0.00	0.00	0.00	0.00	0.00	acres
Treatment B		0.00	0.00	0.00	0.00	0.00	acres
Treatment C		0.17	0.00	0.00	0.00	0.17	acres
Treatment D		2.22	0.00	0.00	0.00	2.22	acres
Total Area		2.39	0.00	0.00	0.00	2.39	acres
>A.4 ABSTRACTIONS		See A.5	See A.5	See A.5	See A.5	See A.5	

CALCULATIONS FOLLOW

JAN 23 2009

RECEIVED

Existing hyd.

INPUT AND CALCULATIONS (CON'T)

>A.5 EXCESS PRECIPITATION 6 HOUR AND 24 HOUR (EI)						
from Table A-8						
100-year 6-hour						
Treatment A	0.53	0.53	0.53	0.53	0.53	inches
Treatment B	0.78	0.78	0.78	0.78	0.78	inches
Treatment C	1.13	1.13	1.13	1.13	1.13	inches
Treatment D	2.12	2.12	2.12	2.12	2.12	inches
WEIGHTED E (Sum EI*A/A)	2.05	#DIV/0!	#DIV/0!	#DIV/0!	2.05	inches
VOLUME V100:6h (E*A)	0.41	#DIV/0!	#DIV/0!	#DIV/0!	0.41	acre-ft.
	17,781.56	#DIV/0!	#DIV/0!	#DIV/0!	17,781.56	ft^3
=====						
10-year 6-hour						
Treatment A	0.13	0.13	0.13	0.13	0.13	inches
Treatment B	0.28	0.28	0.28	0.28	0.28	inches
Treatment C	0.52	0.52	0.52	0.52	0.52	inches
Treatment D	1.34	1.34	1.34	1.34	1.34	inches
WEIGHTED E (Sum EI*A/A)	1.28	#DIV/0!	#DIV/0!	#DIV/0!	1.28	inches
VOLUME V10:6h (E*A)	0.26	#DIV/0!	#DIV/0!	#DIV/0!	0.26	acre-ft.
	11,119.42	#DIV/0!	#DIV/0!	#DIV/0!	11,119.42	ft^3
=====						
2-year 6-hour						
Treatment A	0.00	0.00	0.00	0.00	0.00	inches
Treatment B	0.02	0.02	0.02	0.02	0.02	inches
Treatment C	0.15	0.15	0.15	0.15	0.15	inches
Treatment D	0.79	0.79	0.79	0.79	0.79	inches
WEIGHTED E (Sum EI*A/A)	0.74	#DIV/0!	#DIV/0!	#DIV/0!	0.74	inches
VOLUME V2:6h (E*A)	0.15	#DIV/0!	#DIV/0!	#DIV/0!	0.15	acre-ft.
	6,458.86	#DIV/0!	#DIV/0!	#DIV/0!	6,458.86	ft^3
=====						
100-year 24-hour						
VOLUME V100:24h	0.48	#DIV/0!	#DIV/0!	#DIV/0!	0.48	acre-ft.
(V100-6h+Ad*P1440-P360)/12)	21,005.00	#DIV/0!	#DIV/0!	#DIV/0!	21,005.00	ft^3
=====						

CALCULATIONS FOLLOW

JAN 26 2009

HYDROLOGY

Existing hyd.

INPUT AND CALCULATIONS (CONT)

>A.6 PEAK DISCHARGE RATE FOR SMALL WATERSHEDS (QI)							
from Table A-9							
100-year					TOTALS		
Treatment A	1.56	1.56	1.56	1.56	1.56	cfs/acre	
Treatment B	2.28	2.28	2.28	2.28	2.28	cfs/acre	
Treatment C	3.14	3.14	3.14	3.14	3.14	cfs/acre	
Treatment D	4.70	4.70	4.70	4.70	4.70	cfs/acre	
-----					-----		
Q100 (Sum QI*AI)	10.97	0.00	0.00	0.00	10.97	cfs	
=====					=====		
10-year							
Treatment A	0.38	0.38	0.38	0.38	0.38	cfs/acre	
Treatment B	0.95	0.95	0.95	0.95	0.95	cfs/acre	
Treatment C	1.71	1.71	1.71	1.71	1.71	cfs/acre	
Treatment D	3.14	3.14	3.14	3.14	3.14	cfs/acre	
-----					-----		
Q10 (Sum QI*AI)	7.26	0.00	0.00	0.00	7.26	cfs	
=====					=====		
2-year							
Treatment A	0.00	0.00	0.00	0.00	0.00	cfs/acre	
Treatment B	0.08	0.08	0.08	0.08	0.08	cfs/acre	
Treatment C	0.60	0.60	0.60	0.60	0.60	cfs/acre	
Treatment D	1.86	1.86	1.86	1.86	1.86	cfs/acre	
-----					-----		
Q2 (Sum QI*AI)	4.23	0.00	0.00	0.00	4.23	cfs	
=====					=====		

CALCULATIONS FOLLOW

Page 4

DRAINAGE AND TRANSPORTATION INFORMATION SHEET
(Rev. 12/05)

PROJECT TITLE: Matheson Tri-Gas
DRB#: _____ EPC#: _____ WORK ORDER#: _____

ZONE MAP/DRG. FILE # -C-17/D005A

LEGAL DESCRIPTION: Land of Big 3 Industries, Inc, Elena Gallegos Grant, Section 14, Township 11 North, Range 3 East

CITY ADDRESS: 8200 Washington St. NE, 87113

ENGINEERING FIRM: GUY JACKSON & ASSOCIATES, LLC
ADDRESS: 10522 FLORENCE AVE. NE
CITY, STATE: ALBUQUERQUE, NM

CONTACT: GUY JACKSON, PE
PHONE: 235-1426
ZIP CODE: 87122

OWNER: Sandia Foundation
ADDRESS: _____
CITY, STATE: Albuquerque, NM

CONTACT: George Anderson
PHONE: _____
ZIP CODE: _____

ARCHITECT: NA
ADDRESS: NA
CITY, STATE: _____

CONTACT: _____
PHONE: _____
ZIP CODE: _____

SURVEYOR: NA
ADDRESS: _____
CITY, STATE: _____

CONTACT: NA
PHONE: _____
ZIP CODE: _____

CONTRACTOR: TBD
ADDRESS: _____
CITY, STATE: _____

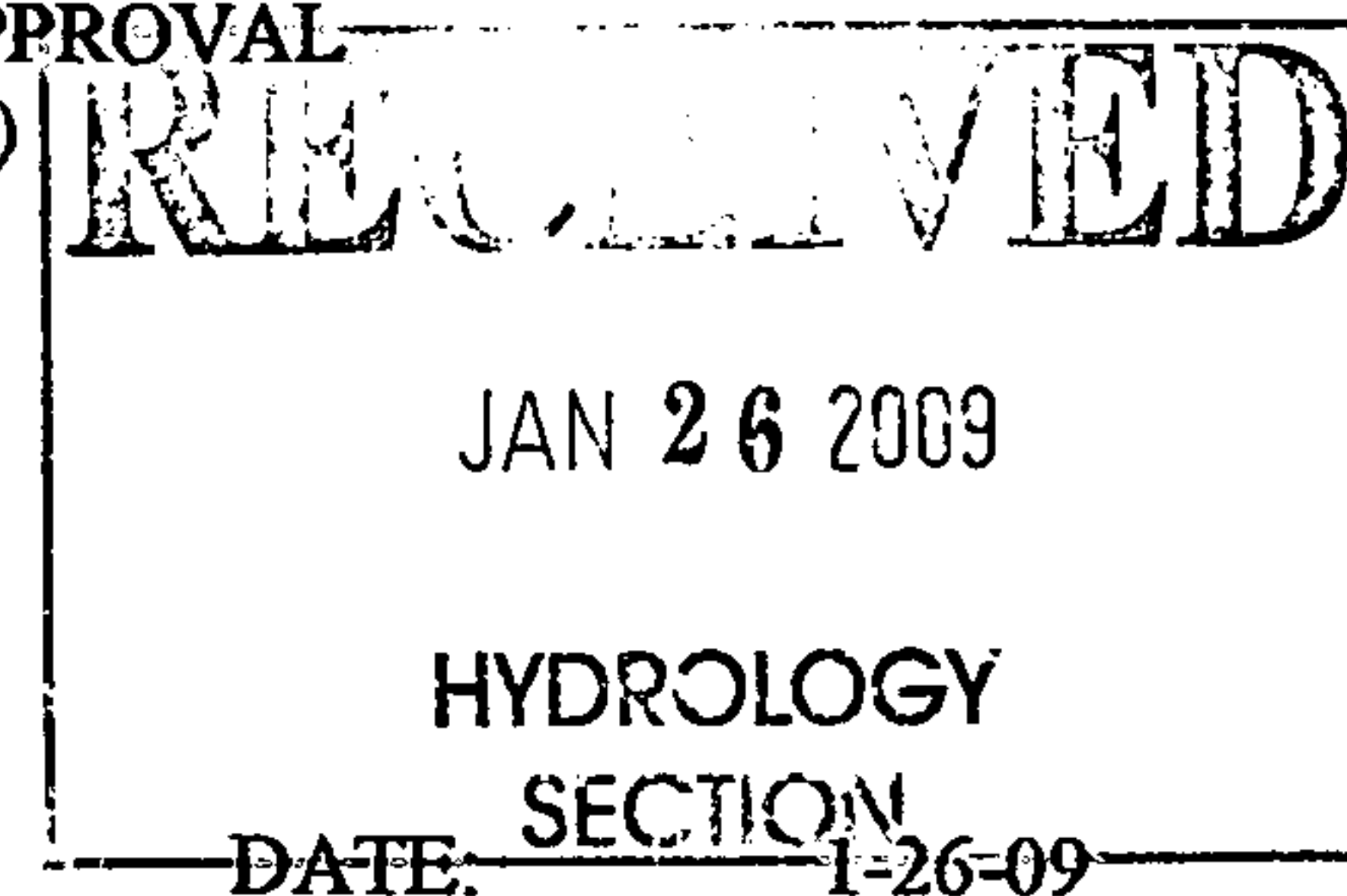
CONTACT: _____
PHONE: _____
ZIP CODE: _____

TYPE OF SUBMITTAL:
☐ DRAINAGE REPORT
☐ DRAINAGE PLAN 1st SUBMITTAL
☐ DRAINAGE PLAN RESUBMITTAL
☐ CONCEPTUAL G & D PLAN
☒ GRADING PLAN
☐ EROSION CONTROL PLAN
☐ ENGINEER'S CERT (HYDROLOGY)
☐ CLOMR/LOMR
☐ TRAFFIC CIRCULATION LAYOUT
☐ ENGINEER/ARCHITECT CERT (TCL)
☐ ENGINEER/ARCHITECT CERT (DRB S.P.)
☐ ENGINEER/ARCHITECT CERT (AA)
☐ OTHER (SPECIFY) _____

CHECK TYPE OF APPROVAL SOUGHT:
☐ SLA/FINANCIAL GUARANTEE RELEASE
☐ PRELIMINARY PLAT APPROVAL
☐ S. DEV. PLAN FOR SUB'D APPROVAL
☐ S. DEV. FOR BLDG. PERMIT APPROVAL
☐ SECTOR PLAN APPROVAL
☐ FINAL PLAT APPROVAL
☐ FOUNDATION PERMIT APPROVAL
☒ BUILDING PERMIT APPROVAL
☐ CERTIFICATE OF OCCUPANCY (PERM)
☐ CERTIFICATE OF OCCUPANCY (TEMP)
☐ GRADING PERMIT APPROVAL
☐ PAVING PERMIT APPROVAL
☐ WORK ORDER APPROVAL
☐ OTHER (SPECIFY) _____

WAS A PRE-DESIGN CONFERENCE ATTENDED:
☐ YES
☒ NO
☐ COPY PROVIDED

SUBMITTED BY: GUY JACKSON, PE



Requests for approvals of Site Development Plans and/or Subdivision Plats shall be accompanied by a drainage submittal. The particular nature, location and scope to the proposed development define the degree of drainage detail. One or more of the following levels of submittal may be required based on the following:

1. **Conceptual Grading and Drainage Plan:** Required for approval of Site Development Plans greater than five (5) acres and Sector Plans.
2. **Drainage Plans:** Required for building permits, grading permits, paving permits and site plans less than five (5) acres.
3. **Drainage Report:** Required for subdivision containing more than ten (10) lots or constituting five (5) acres or more.



City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

July 10, 1995

David Larrow
Lolmes & Narver Inc.
6501 Americas Parkway Suite 700
Albuquerque, New Mexico 87110

RE: REVISED DRAINAGE PLAN FOR ALBUQUERQUE ASU PROJECT TRI-GAS
(C17-D5A) REVISION DATED 6/27/95.

Dear Mr. Larrow:

Based on the information provided on your June 27, 1995
submittal, the above referenced site is approved for Foundation
Building & Grading Permit.

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

Also prior to Certificate of Occupancy release, Engineer
Cerification per the D.P.M. checklist will be requested.

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

Sincerely,

Bernie J. Montoya, CE
Engineering Associate

BJM/mq

c: Andrew Garcia
file

PROJECT TITLE: Air Separation Unit Project ZONE ATLAS/DRNG. FILE #: C-17/1154
 DRB #: _____ EPC #: _____ WORK ORDER #: 9506171
 LEGAL DESCRIPTION: Big Three Industries Inc within Elena Gallegos Grant, Projected Section 14, T11N, R3E
 CITY ADDRESS: 8200 Washington St NE

ENGINEERING FIRM: Holmes & Narver Inc

CONTACT: Bob Platt

ADDRESS: 6501 Americas Pkwy NE Ste 700

PHONE: 889-4100

OWNER: Tri-Gas Inc

CONTACT: Jim Smith

ADDRESS: 8200 Washington St NE

PHONE: 823-2606

ARCHITECT: _____

CONTACT: _____

ADDRESS: _____

PHONE: _____

SURVEYOR: _____

CONTACT: _____

ADDRESS: _____

PHONE: _____

CONTRACTOR: _____

CONTACT: _____

ADDRESS: _____

PHONE: _____

TYPE OF SUBMITTAL:

- ☐ DRAINAGE REPORT
☒ DRAINAGE PLAN
☐ CONCEPTUAL GRADING & DRAINAGE PLAN
☐ GRADING PLAN
☐ EROSION CONTROL PLAN
☐ ENGINEER'S CERTIFICATION
☐ OTHER

PRE-DESIGN MEETING:

- ☐ YES
☒ NO
☐ COPY PROVIDED

CHECK TYPE OF APPROVAL SOUGHT:

- ☐ SKETCH PLAT APPROVAL
☐ PRELIMINARY PLAT APPROVAL
☐ S. DEV. PLAN FOR SUB'D. APPROVAL
☐ S. DEV. PLAN FOR BLDG. PERMIT APPROVAL
☐ SECTOR PLAN APPROVAL
☐ FINAL PLAT APPROVAL
☒ FOUNDATION PERMIT APPROVAL
☒ BUILDING PERMIT APPROVAL
☐ CERTIFICATE OF OCCUPANCY APPROVAL
☒ GRADING PERMIT APPROVAL
☐ PAVING PERMIT APPROVAL
☐ S.A.D. DRAINAGE REPORT
☐ DRAINAGE REQUIREMENTS
☐ OTHER _____ (SPECIFY)

DATE SUBMITTED: 5-23-95

BY: David J. Larrow

David J. Larrow

Resubmittal 6-27-95 David J. Larrow

JUN 27 1995



City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

June 21, 1995

David J. Larrow
Holmes & Narver Inc.
6501 Americas Parkway Suite 700
Albuquerque, NM 87110

RE: DRAINAGE PLAN FOR ALBUQUERQUE ASU PROJECT @ TRI-GAS
(C17-D5A) ENGINEER'S STAMP DATED 5/23/95.

Dear Mr. Larrow:

Based on the information provided on your May 24, 1995 submittal, listed are some concerns that will need to be addressed prior to final approval:

1. Flow rates & volumes will need to be provided using the new A-Hymo criteria.
2. All developed flows on the north portion of the proposed project must be routed out the drive pad. Your grades indicate that the flows will be routed across the public curb & gutter and sidewalk.

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

Sincerely,

Bernie J. Montoya, CE
Engineering Associate

BJM/dl

c: Andrew Garcia
File

PROJECT TITLE: Air Separation Unit Project ZONE ATLAS/DRNG. FILE #: C-17/115A
 DRB #: _____ EPC #: _____ WORK ORDER #: 9506171
 LEGAL DESCRIPTION: Big Three Industries Inc within Elena Gallegos Grant, Projected Section 14, T11N, R3E.
 CITY ADDRESS: 8200 Washington St NE
 ENGINEERING FIRM: Holmes & Narver Inc CONTACT: Bob Platt
 ADDRESS: 6501 Americas PKwy NE Ste 700 PHONE: 889-4100
 OWNER: Tri-Gas Inc CONTACT: Jim Smith
 ADDRESS: 8200 Washington St NE PHONE: 823-2606
 ARCHITECT: _____ CONTACT: _____
 ADDRESS: _____ PHONE: _____
 SURVEYOR: _____ CONTACT: _____
 ADDRESS: _____ PHONE: _____
 CONTRACTOR: _____ CONTACT: _____
 ADDRESS: _____ PHONE: _____

TYPE OF SUBMITTAL:

- ☐ DRAINAGE REPORT
☒ DRAINAGE PLAN
☐ CONCEPTUAL GRADING & DRAINAGE PLAN
☐ GRADING PLAN
☐ EROSION CONTROL PLAN
☐ ENGINEER'S CERTIFICATION
☐ OTHER

PRE-DESIGN MEETING:

- ☐ YES
☒ NO
☐ COPY PROVIDED

CHECK TYPE OF APPROVAL SOUGHT:

- ☐ SKETCH PLAT APPROVAL
☐ PRELIMINARY PLAT APPROVAL
☐ S. DEV. PLAN FOR SUB'D. APPROVAL
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☒ BUILDING PERMIT APPROVAL
☐ CERTIFICATE OF OCCUPANCY APPROVAL
☒ GRADING PERMIT APPROVAL
☐ PAVING PERMIT APPROVAL
☐ S.A.D. DRAINAGE REPORT
☐ DRAINAGE REQUIREMENTS
☐ OTHER _____ (SPECIFY)

DATE SUBMITTED: 5-23-95BY: David J. LarrowDavid J Larrow