

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

August 22, 1995

John MacKenzie D. Mark Goodwin & Associates P.O. Box 90606 Albuquerque, NM 87199

ENGINEER CERTIFICATION FOR PHASE II ALAMEDA CENTER NORTH RE: (C18-D22) CERTIFICATION STATEMENT DATED 8/9/95.

Dear Mr. MacKenzie:

Based on the information provided on your August 10, 1995 submittal, Engineer Certification for the above referenced site is acceptable. The Certificate of Occupancy will not be issued until we receive confirmation from State Highway Department and City Inspection for the connection to the back of catchbasins.

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

Sincerely,

Banne Montage

Bernie J. Montoya, CE Engineering Associate

BJM/dl

Andrew Garcia Trile,

PROJECT TITLE: Alameda Center Nor	ZONE ATLAS/DRNG, FILE#(C-18)112
DRB#: 94-411 EPC#:	WORK ORDER #:
LEGAL DESCRIPTION:	
CITY ADDRESS:	
ENGINEERING FIRM: D. Marks Goodwin ADDRESS: Box 90606	contact: John Mackenzie PHONE: 345-2010
OWNER:	CONTACT:
ADDRESS:	PHONE:
ARCHITECT: DCSU/	CONTACT: Marc Schiff PHONE: 8439639
ADDRESS:	PHONE: <u>8439639</u>
SURVEYOR:	CONTACT:
ADDRESS:	PHONE:
CONTRACTOR: 545	CONTACT: Ron MCCosmich
ADDRESS:	PHONE: <u>884-6234</u>
TYPE OF SUBMITTAL:	CHECK TYPE OF APPROVAL SOUGHT:
DRAINAGE REPORT	SKETCH PLAT APPROVAL
DRAINAGE PLAN	PRELIMINARY PLAT APPROVAL
CONCEPTUAL GRADING & DRAINAGE PLAN	S. DEV. PLAN FOR SUB'D APPROVAL
GRADING PLAN	S. DEV. PLAN FOR BLDG PERMIT APPROVAL
EROSION CONTROL PLAN	SECTOR PLAN APPROVAL
ENGINEER'S CERTIFICATION	FINAL PLAT APPROVAL
OTHER	FOUNDATION PERMIT APPROVAL
	BUILDING-PERMIT APPROVAL
PRE-DESIGN MEETING: Phase III	CERTIFICATION OF OCCUPANCY APPROVAL
YES	GRADING PERMIT APPROVAL
No Every eady Oil	PAVING PERMIT APPROVAL
COPY PROVIDED	S.A.D. DRAINAGE REPORT
	DRAINAGE REQUIREMENTS
	OTHER(Specify)
DATE SUBMITTED: 7 /1/ 96	
BY. Che Malani.	
JUL 1 1996	



P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

July 27, 1995

John MacKenzie Mark Goodwin & Associates P.O. Box 90606 Albuquerque, NM 87199

RE: ENGINEER CERTIFICATION FOR PHASE II ALAMEDA CENTER NORTH (C18-D22) CERTIFICATION STATEMENT DATED 7/19/95.

Dear Mr. MacKenzie:

Based on the information provided on your July 20, 1995 submittal, Engineer Certification for the above referenced site is not acceptable.

It is highly recommended that you make a field visit to the site and determine what has not been completed and what has changed from the original approved plan. I recommend, also, that on future certification submittals that you follow the Engineer Certification checklist from the D.P.M. closely. You may also want to review Phase I again.

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: Alameda Center Nor	ZONE ATLAS/DRNG, FILE#(C-/8/D-2
DRB #: 94-4// EPC #:	
LEGAL DESCRIPTION:	
CITY ADDRESS:	
ENGINEERING FIRM: D. Marks Goodwin ADDRESS: Box 90606 OWNER: ADDRESS: ARCHITECT: DCSW ADDRESS: SURVEYOR: ADDRESS: CONTRACTOR:	CONTACT: PHONE: CONTACT: Marc Schiff PHONE: 8439639 CONTACT: PHONE: PHONE: CONTACT:
ADDRESS:	DIJORIE.
TYPE OF SUBMITTAL: DRAINAGE REPORT DRAINAGE PLAN CONCEPTUAL GRADING & DRAINAGE PLAN GRADING PLAN EROSION CONTROL PLAN ENGINEER'S CERTIFICATION OTHER	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 BUILDING PERMIT APPROVAL
PRE-DESIGN MEETING: YES NO COPY PROVIDED	CERTIFICATION OF OCCUPANCY APPROVAL GRADING PERMIT APPROVAL PAVING PERMIT APPROVAL S.A.D. DRAINAGE REPORT DRAINAGE REQUIREMENTS OTHER (Specify)
DATE SUBMITTED: $10/3/94$	
BY: John M. Muckenzeir	

0CT 3 1301



P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

June 21, 1995

John M. MacKenzie D. Mark Goodwin & Associates P.O. Box 90606 Albuquerque, NM 87199

RE: ENGINEER CERTIFICATION FOR BURGER KING @ ALAMEDA CENTER NORTH (C18-D22) ENGINEER'S STATEMENT DATED 6/13/95.

Dear Mr. MacKenzie:

Based on the information provided on your June 14, 1995 submittal, Engineer Certification for the above referenced site is acceptable.

The Certificate of Occupancy will not be released until our office receives concurrence from the sidewalk inspector for approval of the connections to the back of the existing catch basins.

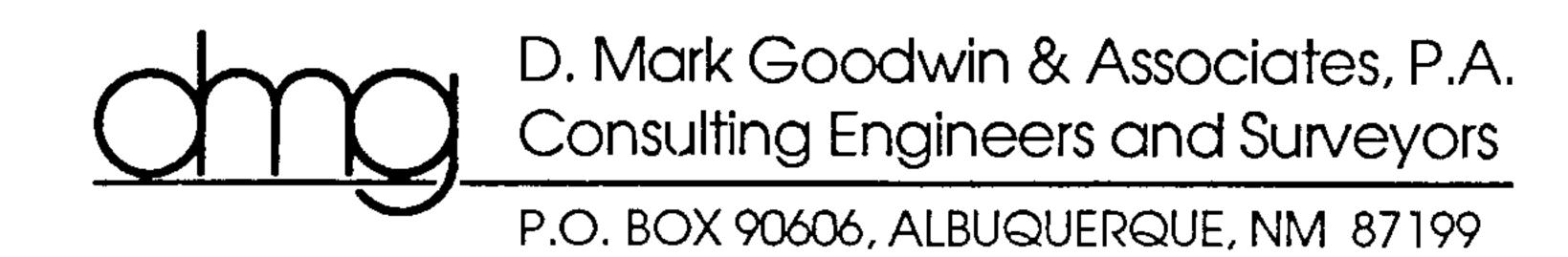
If I can be of further assistance, please feel free to contact me at 768-2667.

Sincerely,

Secret Montoya, CE Bernie J. Montoya, CE Engineering Associate

BJM/dl

c: Andrew Garcia



(505) 345-2010

June 14, 1995

Mr. Bernie Montoya
Hydrology Division
City of Albuquerque
P.O. Box 1293
Albuquerque, NM 87103

Re: Alameda Center North (C-18/D-22)

Dear Mr. Montoya:

This submittal of the Engineer's Certification for C.O. on the referenced project is for the Burger King restaurant only.

From a hydrology standpoint, it is important to understand that the Burger King stands alone and is able to function independent of the other adjacent sites now under construction.

If I can be of further assistance, please contact me.

Sincerely,

MARK GOODWIN & ASSOCIATES, P.A.

John M. MacKenzie, P.E.

JMM/smr

PROJECT TITLE: Alameda Center Non	The zone atlas/drng, file#(C-18/D-2
DRB #: 94-41/ EPC #:	
LEGAL DESCRIPTION:	*·
CITY ADDRESS:	
ENGINEERING FIRM: D. Marks Goodwin ADDRESS: Box 90606 OWNER: ADDRESS:	CONTACT: John Mackenzie PHONE: 345-2010 CONTACT: PHONE: CONTACT: Marc Schiff
ARCHITECT: DCSU/	PHONE: <u>8439639</u>
ADDRESS: SURVEYOR: ADDRESS: CONTRACTOR: 585 ADDRESS:	CONTACT: PHONE: 8737657 CONTACT: PHONE: Row McCosmich PHONE: 884-6234
TYPE OF SUBMITTAL:	CHECK TYPE OF APPROVAL SOUGHT:
DRAINAGE REPORT DRAINAGE PLAN CONCEPTUAL GRADING & DRAINAGE PLAN GRADING PLAN EROSION CONTROL PLAN X ENGINEER'S CERTIFICATION OTHER PRE-DESIGN MEETING: YES NO COPY PROVIDED	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 CERTIFICATION OF OCCUPANCY APPROVAL GRADING PERMIT APPROVAL PAVING PERMIT APPROVAL S.A.D. DRAINAGE REPORT DRAINAGE REQUIREMENTS OTHER (Specify)
DATE SUBMITTED: 7/20/95 BY: John M. Mackenzei	JUL 2 0 1995



P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

August 22, 1995

John MacKenzie D. Mark Goodwin & Associates P.O. Box 90606 Albuquerque, NM 87199

RE: ENGINEER CERTIFICATION FOR PHASE I ALAMEDA CENTER NORTH (C18-D22) CERTIFICATION STATEMENT DATED 8/9/95.

Dear Mr. MacKenzie:

Based on the information provided on your August 10, 1995 submittal, Engineer Certification for the above referenced site is acceptable. The Certificate of Occupancy will not be issued until we receive confirmation from the State Highway Department and City Inspection for the connection to the back of the catchbasins.

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

PROJECT TIT	TIE: Alan	reda Center Nor	the second	ZONE ATLAS/DRNG, FILE# (C-/8/2)-22
DRR #. 9	4-411	EPC #:	WORK	ORDER #:
				<u> </u>
	SS:			
ENGINEERING ADDI OWNER: ADDI ARCHITECT: ADDI SURVEYOR: ADD	G FIRM:	Marks Goodwin ox 90606		CONTACT: John Mackenzie PHONE: 345-2010 CONTACT: Marc Schiff PHONE: 8439639 CONTACT: PHONE:
	RESS:			PHONE: 884-6234
Crick Grick Grick Erick Original Erick Original Erick Original Erick Normal Erick	RAINAGE REP RAINAGE PLA ONCEPTUAL (RADING PLAN ROSION CONT	SRADING & DRAINAGE PLAN FROL PLAN ERTIFICATION Phase II	SKE S. D S. D S. D SEC FINA FOL BUII CEF GRA PAN S. A DRA	TCH PLAT APPROVAL LIMINARY PLAT APPROVAL LEV. PLAN FOR SUB'D APPROVAL LEV. PLAN FOR BLDG PERMIT APPROVAL LEV. PLAN APPROVAL LEV
DATE SUBI		8/10/95 Makenzeir	YDE	AUG I 0 1995 ROLOGY DIVIS:



P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

October 13, 1994

John M. MacKenzie D. Mark Goodwin & Associates P.O. Box 90606 Albuquerque, NM 87199

RE: REVISED DRAINAGE PLAN FOR PHASE I ALAMEDA CENTER NORTH DEVELOPMENT (C18-D22) ENGINEER'S STAMP DATED 10/3/94.

Dear Mr. MacKenzie:

Based on the information provided on your October 3, 1994 resubmittal, the above referenced site is approved for Building Permit.

Please be advised that a separate permit is required for construction within City Right-of-Way. A copy of this approval letter must be on hand when applying for the excavation permit.

Also, prior to Certificate of Occupancy release, Engineer Certification per the D.P.M. Checklist will be required.

Please be advised that when the following phases will be permitted, a separate plan must be submitted indicating how the Phases will interact.

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

Sincerely,

Bernie J. Montoya, CE Engineering Associate

BJM/d1/WPHYD/8644

c: Andrew Garcia
Arlene Portillo
-File



P. O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103 PUBLIC WORKS DEPARTMENT

September 18, 1995,

CERTIFICATE OF WORK ORDER COMPLETION

S&J Enterprises, Inc. 3535 Princeton N.E. Albuquerque, NM 87107

RE: ALAMEDA CENTER NORTH PROJECT NO. 5037.90, MAP NO. C-18

Dear Sir:

This is to certify that the City of Albuquerque accepts Project No. 5037.90 as being completed according to approved plans and construction specifications. Please be advised this certificate of completion and acceptance shall only become effective upon final plat approval and filing in the office of the Bernalillo County Clerk's Office.

The project is described as follows:

- Installation of 480 linear feet of 14" DIP waterline and 150 linear feet of 8" PVC waterline along the west and south frontages of the Alameda Center North development. Also installation of 390 linear feet of 6" PVC waterline on the westside of newly constructed north entrance. As a part of this waterline development, two 2" water service and two 6" waterline stubouts were installed at various locations.
- Extension of 460 linear feet of 8" PVC sanitary sewerline in Alameda Boulevard west of San Pedro Drive and installation of one 8" PVC sanitary sewer stubout on Signal Avenue.
- Construction of new roadway pavement on Alameda including median turnbay, driveway entrance to the and one catch basin.

		Center North	
SUBJECT_	Dannage	DATE 8/24/9	
BY	7/1/2	_DATE 8/24/99	4
CHECKED_		_DATE	
	SH	EET_OF	

historical rate. With the development of this sit, the net impact on the existing storm drain system will be a significant decrease in the volume of sediment accepted (and less maintenance required).

On site pording will consist of 3 ponds: A,B&C.

Ponds A and B will collect runoff from Dramage

Basin A, while Pond C will collect runoff from

Dramage Basin B and off-site Pancel A.

Ponding Area A will discharge into Ponding Area B

where it will be released at the Instorical rate

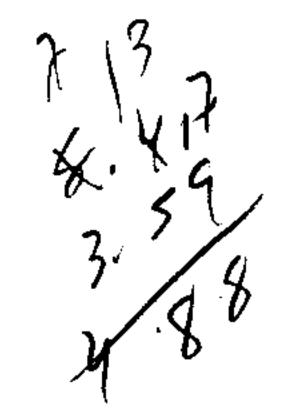
for Dramage Basins A & B.? Discharge from Ponding

Area C will be released at the historical rate

for Dramage Basin B and Parcel A.

Existing Conditions

	Total On. site	BasinA	Basin B	Basin C	ParcelA
	4,93Ac		1.22 Ac.	1.84 Ac	2.42 Ac
EX/3/ Flow	t. 9,46c/s	3.590/5	2.34%	3.53 45	4.650/5
Devel	190ed 19.03c/s	8.47c6s	5,530/5	5,030/5	nja



PROJECT TITLE:	LE: EveReady Oil / Alameda Center North		ZONE ATLAS/DRNG,FILE#: C18-D22			
DRB #:	EPC #: WO		WORK ORDER #:			
LEGAL DESCRIPTION	V: Lot 22 D, Block 12, Tract,	Unit B, N	JAA			
CITY ADDRESS:		<u>. ,</u>				
ENGINEERING FIRM:	Mark Goodwin & Associates, P	A	CONTACT: John M. Mack	Cenzie, PE		
ADDRESS:	PO Box 90606	<u> </u>	PHONE:345-2010			
OWNER:		. <u> </u>	CONTACT:			
ADDRESS:			PHONE:			
ARCHITECT: K	evin Georges Architects		CONTACT: Mark Eshelma	ìn		
	127 Jefferson NE		PHONE:			
SURVEYOR:		<u> </u>	CONTACT:			
ADDRESS:			PHONE:			
CONTRACTOR:	·		CONTACT:			
ADDRESS:	,		PHONE:			
TYPE OF SUBMITTA		CHECK	TYPE OF APPROVAL SOUGHT: SKETCH PLAT APPROVAL			
DRAINAGE	E PLAN		PRELIMINARY PLAT APPRÓVAL			
CONCEPT	CONCEPTUAL GRADING & DRAINAGE PLAN		S. DEV. PLAN FOR SUB'D APPR	OVAL		
GRADING	PLAN	<u> </u>	S. DEV. PLAN FOR BLDG PERMIT APPROVAL			
	CONTROL PLAN		SECTOR PLAN APPROVAL			
ENGINEER	'S CERTIFICATION		FINAL PLAT APPROVAL			
OTHER			FOUNDATION PERMIT APPROVAL			
			BUILDING PERMIT APPROVAL			
PRE-DESIGN MEETIN	NG:		CERTIFICATION OF OCCUPANC	Y APPROVAL		
YES			GRADING PERMIT APPROVAL			
X NO			PAVING PERMIT APPROVAL			
COPY PRO	OVIDED		S.A.D. DRAINAGE REPORT			
			DRAINAGE REQUIREMENTS			
			OTHER	(Specify)		
			OISINIO ADO			
DATE SUBMITTED:	7/11/75		incest 7 1			
BY: Salle	Malura		9001			
	MacKenzie, PE	-				

September 1, 1994

Mr. Bernie Montoya
Hydrology Division
City of Albuquerque
P.O. Box 1293
Albuquerque, NM 87199

Re: ALAMEDA CENTER NORTH GRADING AND DRAINAGE PLAN FOR BUILDING PERMIT WITH ENGINEER'S STAMP DATED 9/1/94, (C18-D22)

Dear Mr. Montoya:

We have taken note of your comments issued on July 14, 1994 for the previously submitted conceptual grading and drainage plan covering this site. We now intend to address each comment accordingly.

- 1. The plan has been revised such that ponding is not closer than 15 feet to any structure proposed on site. The detention pond located along the east side of the south half of the site is positioned such that it will be no closer than 15 feet to any proposed off-site structure (the side yard setback is 10 feet).
- 2. The plan to use an off-site storm drain has been abandoned. Discharge into the storm drain will be surface, as it is now. The only difference is that the discharge will be relatively free of sediment. See discussion within computation sheets for a description.
- 3. A plan will be delivered to the Highway Department for their review and approval.
- 4. A copy of the plat with the cross-lot drainage statement (see note #6) has been included.
- 5. The site east of the main entrance road off of Alameda Boulevard will be developed at a later date. At that time, you will be receiving a site specific grading and drainage plan.
- 6. See discussion on computation sheets.
- 7. This plan consists of ponding depths of less than or equal to 18".
- 8. Pond spillway calculations are included.
- 9. See maintenance note on the plan. Covenant
- 10. All details are now shown on the plan.
- 11. Erosion control has been identified on the plan.

Mr. Bernie Montoya September 1, 1994 Page 2

- 12. The 100-Year floodplain boundary has been included on the plan.
- 13. Berm compaction requirements have been identified on the plan.
- 14. It appears that the construction of the I-25 interchange has significantly altered the realistic boundary of this flood zone. Because a LOMR has not been completed for this resulting interchange construction, the attached plat (see note 9) has identified and drawn attention to the existing FEMA floodplain. Our grading and drainage plan also indicates the potential need for flood insurance to be obtained.

If your past concerns need further attention, please contact me.

Sincerely,

MARK GOODWIN & ASSOCIATES, P.A.

John M. MacKenzie, P.E.

JMM/smr

Attachment

SED - 119.



P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

October 4, 1995

John MacKenzie Mark Goodwin and Associates P.O. Box 90606 Albuquerque, NM 87199

RE: EVEREADY OIL/ ALAMEDA CENTER NORTH (C18-D22) ENGINEER'S CERTIFICATION FOR CERTIFICATE OF OCCUPANCY APPROVAL. ENGINEER'S CERTIFICATION DATED 9-28-95.

Dear Mr. MacKenzie:

Based on the information provided on your submittal dated September 29, 1995, the above referenced project is approved for Certificate of Occupancy.

If I can be of further assistance, please feel free to contact me at 768-3622.

Singerely,

Lisa Ann Manwill

Engineering Assoc./Hyd.

c: Andrew Garcia File

PROJECT TITLE: Alameda Center No	ZONE ATLAS/DRNG, FILE# (C-18/1)
DRB#: <u>94-4//</u> EPC#:	WORK ORDER #:
LEGAL DESCRIPTION:	
CITY ADDRESS:	
ENGINEERING FIRM: D. Marks Goodwin ADDRESS: Box 90606	contact: John Mackenzie PHONE: 345-2010
OWNER:	CONTACT:
ADDRESS:	PHONE:
ARCHITECT: DC5U	CONTACT: Marc Schiff
ADDRESS:	PHONE: 8439639
SURVEYOR:	CONTACT:
ADDRESS:	PHONE:
CONTRACTOR: 545	CONTACT: Ron McCormich
ADDRESS:	PHONE: <u>884-6234</u>
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 CERTIFICATION OF OCCUPANCY APPROVAL GRADING PERMIT APPROVAL PAVING PERMIT APPROVAL S.A.D. DRAINAGE REPORT DRAINAGE REQUIREMENTS OTHER (Specify)
DATE SUBMITTED: $8/14/95$	- EGEUVE,

BY: John M. Mickenzei

AUG I 5 1995

YD:ROLOGY DIVISION

P.O. BOX 90606, ALBUQUERQUE, NM 87199 (505) 345-2010

July 11, 1996

Mr. Bernie Montoya
Hydrology Division
City of Albuquerque
P.O. Box 1293
Albuquerque, NM 87103

Re: Alameda Center North (C-18/D-22)

Dear Mr. Montoya:

This submittal of the Engineer's Certificate of C.O. on the referenced project is for the EverReady Oil Site.

As discussed earlier this morning, I am resubmitting the same as-built information previously submitted. Please review your files. There may be a separate EverReady Oil file.

If I can be of further assistance, please contact me.

Sincerely,

MARK GOODWIN & ASSOCIATES, P.A.

John M. MacKenzie, P.E.

Project Manager

JMM/sr

b:\eveready\co.ltr



P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

September 28, 1995

John MacKenzie Mark Goowin & Associates P.O. Box 90606 Albuquerque, NM 87199

RE: ENGINEER CERTIFICATION FOR EVERREADY OIL CO. (C18-D22)

CERTIFICATION STATEMENT DATED 9/8/95.

Dear Mr. MacKenzie:

Based on the information provided on your September 12, 1995 submittal, Engineer Certification for a 30 day temporary Certificate of Occupancy is acceptable.

Please be advised that a submittal will be required for the permanent Certificate of Occupancy.

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

September 9, 1995

Mr. Bernie Montoya, CE Hydrology Department City of Albuquerque P.O. Box 1293 Albuquerque, NM 87199

Re: Everready Oil Grading and Drainage Plan Engineer's Certification(C18-D22)

Dear Mr. Montoya:

As recently discussed with you over the phone, I am making this submittal with not all of the site as-built measures completed. The temporary de-silting area east of the referenced project will be worked on later this week.

At this stage we are seeking a temporary C.O. with the understanding that the contractor will completing the necessary work by the time this submittal reaches your desk and your review.

I urge you to contact me at that time so I can inform you of the final status of this out standing issue.

Sincerely,

MARK GOODWIN & ASSOCIATES, P.A.

John M. MacKenzie, P.E.

JMM/smr

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P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

May 22, 1995

John MacKenzie Mark Goodwin & Associates P.O. Box 90606 Albuquerque, NM 87199

RE: REVISED DRAINAGE PLAN FOR EVER READY OIL/ALAMEDA CENTER NORTH (C18-D22) ENGINEER'S STAMP DATED 5/15/95.

Dear Mr. MacKenzie:

Based on the information provided on your May 15, 1995 resubmittal, attached you will find some concerns that will need to be addressed prior to final approval.

If you have any questions, please do not hesitate to contact me at 768-2667.

Sincerely,

Sexual Montoya, CE Bernie J. Montoya, CE Engineering Associate

BJM/dl

c: Andrew Garcia File

618/822

PROJECT TITLE: Alameda Center North	ZONE ATLAS/DRNG,FILE#: C-18-Z
DRB #: EPC #:	-94-87 WORK ORDER #:
LEGAL DESCRIPTION: Lots 12-16, 22-24 Block	12, North Albuq. Acres, Tract A Unit B
CITY ADDRESS:	
ENGINEERING FIRM: Mark Goodwin & Associates,	
ADDRESS: <u>PO Box 90606</u>	PHONE: 345-2010
OWNER:	CONTACT:
ADDRESS:	PHONE:
ARCHITECT: Design Collaborative SW	CONTACT: Doug Heller
ADDRESS: 105 4th Street SE	PHONE: <u>843-9639</u>
SURVEYOR:	CONTACT:
ADDRESS:	PHONE:
CONTRACTOR:	CONTACT:
ADDRESS:	PHONE:
TYPE OF SUBMITTAL:	CHECK TYPE OF APPROVAL SOUGHT:
DRAINAGE REPORT	SKETCH PLAT APPROVAL
DRAINAGE PLAN	PRELIMINARY PLAT APPROVAL
X CONCEPTUAL GRADING & DRAINAGE PLAN	X S. DEV. PLAN FOR SUB'D APPROVAL
GRADING PLAN	X S. DEV. PLAN FOR BLDG PERMIT APPROVAL
EROSION CONTROL PLAN	X SECTOR PLAN APPROVAL
ENGINEER'S CERTIFICATION	FINAL PLAT APPROVAL
OTHER	FOUNDATION PERMIT APPROVAL
	BUILDING PERMIT APPROVAL
PRE-DESIGN MEETING:	CERTIFICATION OF OCCUPANCY APPROVAL
YES	GRADING PERMIT APPROVAL
\underline{X} NO	PAVING PERMIT APPROVAL
COPY PROVIDED	S.A.D. DRAINAGE REPORT
	DRAINAGE REQUIREMENTS
	OTHER (Specify)
{	
DATE SUBMITTED: $\omega/7/94$	
	1111 - 7 1994
BY: John M. Melmy	
John M. MacKenzie, PE	



P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

May 9, 1995

John MacKenzie Mark Goodwin & Associates P.O. Box 90606 Albuquerque, NM 87199

RE: DRAINAGE PLAN FOR EVER READY OIL/ALAMEDA CENTER NORTH (C18-D22) ENGINEER'S STAMP DATED 4/24/95.

Dear Mr. MacKenzie:

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

- 1. Location, description and "elevation" of T.B.M.
- 2. Location and direction of proposed roof drains.
- 3. Top of curb and flowline elevation on Alameda.

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



P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

June 13, 1995

John MacKenzie Mark Goodwin & Associates P.O. Box 90606 Albuquerque, NM 87199

RE: REVISED DRAINAGE PLAN FOR EVER READY OIL/ALAMEDA CENTER

NORTH (C18-D22) ENGINEER'S STAMP DATED 6/7/95.

Dear Mr. MacKenzie:

Based on the information provided on your June 7, 1995 resubmittal, the above referenced site is approved for Building 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 Certification will be required per the D.P.M. checklist.

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

d m	D. Mark Goodwin & Associates, P.A. Consulting Engineers and Surveyors

PROJECT Hankaa	Center North
SUBJECT Draingge	2
BY Smn7	DATE 8/24/94
CHECKED	DATE
	SHEET 3_OF

PROPOSED PONDING AREAS

Ponding Area		Ay Area	Donth	Volume
Max Water Surface Area	Pond Bottom Area	my mean	Depri	
1912 St 2	1024/12	1468/1 2	1.5/+	2202/43
Ponding Area B				
Max Water Surface Area	Pond Bottom Area	Aug Area	Depth	Volume
Surface Area	Area		•	
1296 112	752/12	1024/12	1.5/1	1534 J 3
Possling Area C				
May Water	Pond Bottom	Aug Anea	Deoth	Volume
Surface Area	Area			
92/6/12	6320112	7768/12	1,5/12	11652/13

From AHYMO, the difference in runoff volume for Basins A and B is 22542 ft 3-7,383 ft 3=15159 ft 3 (required)

total Volume
15390 ft²
Provided

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BY Imm	DATE 2/24/94
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Ponding Area C discharge will be throttled to the historical rate from Basin B of 2,34 cfs

The head negwied to permit a discharge of 2.34 g/s

15: $h = \left(\frac{Q_{0.8A}}{0.8A}\right)^2/2g = \left[\frac{2.34}{1.81.353}\right]^2/64.4 = 1.07 \text{ ft}$

The off-site flow from Parcel A will be allowed to pass-through the pond's spillway.

Spillway sizing for this pond will be based upon the flow from Parcel A and the flow from developed conditions within Basin B.

apillway C = Queloped Basin B + Q Existing PARCEL A

$$L = \frac{Q}{2.9 H^{3/2}} = \frac{10.18 cbs}{2.9(0.5)^{3/2}} = 9.93 ft$$

Provide 3-3.3' wide openings in curb @ Elev. = 9.50 and a two locations

d M	D. Mark Goodwin & Associates, P.A. Consulting Engineers and Surveyors

PROJECT Ever R SUBJECT Drawinge BY Amn	eady Oil
BY AMM	DATE 4/22/95
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From the previous Alameda Center North file.

C18-D22, the total on-site ponding requirement

for this site is 15,159 ft? Due to the placement of

parking in the ponding area, volumes have to be checked.

Ponding Area A

Area of pond bottom (elev. 5.75) = 1260 ft²

Area of max water surface (elev. 7.28) = 1890 ft²

Total storage = (1575 ft² × 1.5 ft)

1575 ft² avg.

Ponding Area B

Volume provided = 2362 8t3

Area of pond bottom (elev. 4.88) = 848 ft²

Area of max water surface (elev. 6.38) = 1456 ft²

Total Storage = (1152 ft²)(1.5 ft)

Volume provided = 1728 ft³

Ponding Area C Avg. Area Depth Volume_ Area Elev. 3164 398/ 4798 8.00 5861 6923 9.00 9,75 9754 14012/13 Total Storage = A+B+C = 2362+1728+14012 = 18,102 /t3

PROJECT Even	Ready Oil
SUBJECT Draw	nage DATE 4/22/95
BY JMM	DATE 4/22/95
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From the previous Alameda Center North File, anticipated discharge from Basin B is 5.53 cfs. The Ever Ready 0,1 site will generate 67% of This runoff, based upon area of the Sasin.

Q = (5.53\(\).67) = 3.7/c/s

Regil curb opening as pollows

 $L = \frac{Q}{2.9(H)^{1.5}} = \frac{3.71}{2.9(0.5)^{1.5}} = \frac{3.61}{3.61} \text{ or } 3'-7''$

3'-7" opening will discharge into ponding area

PROJECT TITLE:	EveReady Oil / Alameda Center N	orth	_ ZONE ATLA	AS/DRNG,FILE#:	C18-D22
DRB #:	EPC #:	WC	ORK ORDER #:		
LEGAL DESCRIPTION	l: Lot 22 D, Block 12, Tract	, Unit B, NAA	·		<u> </u>
CITY ADDRESS:			. <u></u>		
	•				
ENGINEERING FIRM:	Mark Goodwin & Associates, l	PA	_ CONTACT:	John M. MacKenz	rie, PE
ADDRESS:	PO Box 90606		PHONE:	345-2010	<u> </u>
OWNER:	·	<u> </u>	_ CONTACT:	 	
ADDRESS: _			PHONE: _		<u> </u>
ARCHITECT: Ke	evin Georges Architects		CONTACT:	Mark Eshelman	
ADDRESS: _	127 Jefferson NE		PHONE:	, <u></u>	
SURVEYOR:			_ CONTACT:		
ADDRESS: _			PHONE:		
CONTRACTOR:			CONTACT:		
ADDRESS: _					
X GRADING F	REPORT PLAN JAL GRADING & DRAINAGE PLAN	SK PR S S S SE FIN	DEV. PLAN FO	PPROVAL AT APPROVAL OR SUB'D APPROVA OR BLDG PERMIT AI PPROVAL ROVAL ERMIT APPROVAL	
PRE-DESIGN MEETIN	G:	CE	RTIFICATION	OF OCCUPANCY A	PPROVAL
YES		GF	RADING PERMI	TAPPROVAL	
X NO		PA	VING PERMIT	APPROVAL	
COPY PRO	VIDED	S.	A.D. DRAINAG	E REPORT	
		DF	RAINAGE REQU	JIREMENTS	
			THER		(Specify)
DATE SUBMITTED:	4 /25/95 MacKenzie, PE		APR	2 4 985	

June 7, 1995

Mr. Loren Meinz Hydrology Division City of Albuquerque P.O. Box 1293 Albuquerque, NM 87103

Re: EverReady Oil / Alameda Center North (C-18 / D22)

Dear Mr. Meinz:

To address your concerns on the referenced project we have revised our grading and drainage plan as follows:

- 1. The fueling island does have a canopy and it is now called out. The area beneath the canopy has been regraded and better defined to collect fuel spills in the event of an accident. The plan calls for drainage beneath the canopy to be collected and discharged into the sanitary sewer system. The revised grading scheme should effectively route perimeter runoff around the canopy and not through the fueling area.
- 2. A call out for the carwash drain to connect to the sanitary sewer has been added to the plan.
- 3. An RV dump, propane tank, air and water are located on the center island. No liquid fueling will occur at this location.

Please feel free to contact me if you have any further questions.

Sincerely,

MARK GOODWIN & ASSOCIATES, P.A.

John M. MacKenzie, P.E.

JMM/smr

JUN - 7 1995

(505) 345-2010

September 26, 1994

Mr. Bernie Montoya
Hydrology Division
City of Albuquerque
P.O. Box 1293
Albuquerque, NM 87199

Re: ALAMEDA CENTER NORTH GRADING AND DRAINAGE PLAN FOR BUILDING PERMIT WITH ENGINEER'S STAMP DATED 9/26/94, (C18-D22)

Dear Mr. Montoya:

We have taken note of your comments issued on September 14, 1994 for the previously submitted grading and drainage plan covering this site. We now intend to address each comment accordingly:

- 1. During a meeting with Raymunda A. Van Hoven, of the NMSHTD in Santa Fe on September 22, 1994, the issue of downstream capacity in their Alameda interchange storm drain was discussed. She stated that this storm drain presently has sufficient capacity to convey historical flow during the 100 year storm from this basin. Our plan to discharge from our site at the historical rate into this storm drain was approved by her after review of our plan.
- 2. The plan now re-identifies the concept used on the conceptual plan of subsurface discharge into the drop inlet located in Alameda Blvd. This request was also made by Ms. Van Hoven.
- 3, The pipe invert for pond "A" has been set to the elevation of the pond bottom.
- 4. The requested gravel pond bottoms were offered to the architect, but he declined because the EPC distinctly requested that as much "green" landscaping as possible be provided.
- 5. Surface flow along the south side of the motel has been directed into the asphalt parking area.
- 6. Your recommendation has been considered.
- 7. All buildings will be constructed under separate permits by the same general contractor. A note on the plan instructing the contractor to build all the storm drain infrastructure with the first building permit will address this concern.

As shown to you during a brief meeting in your office on September 22, the flood zone boundary that originally passed through this site was incorrectly positioned by us. In reality, it doesn't even come close to our property boundary. If your past concerns need further attention, please contact me.

Sincerely,

MARK GOODWIN & ASSOCIATES, P.A.

John M. MacKenzie P.F.

SEP 2 7 1991

Attachment

PROJECT Alameda	Develoament
SUBJECT Drainage	
SUBJECT <u>Oramage</u> BY <u>IMM</u>	DATE 8/24/94
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Discharge from Drainage Basin A is divided into two sub basins that direct flow into ponding areas A and B (see allached 8½×11 mark-up).

Peak discharge from Ponding Area A will be 1.9145:

Sub basin A-1 covers an area of 0.422 Ac.

This is 23% of the total Drainage Basin A (1.87 Ac)

Q_{A-1} = (8.41 cfs)(0.23) = 1.91 cfs.

Overflow from this pond will occur through a curb opening at its mouth end:

 $L = \frac{Q}{Z.9(H)^{3/2}} = \frac{1.91 \text{ cbs}}{2.9(0.5)^{1.5}} = 1.86 \text{ ft}$ use Z' openning

A 4" pipe is to be place beneath pavement between fonds A and B to drain fond A. Since this pipe is not design to control discharge from this basin (control of this basin's discharge will occur at the fond B outfall), it will not be sized according to flow since it is intended to drain the bottom of the pond only.

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BY JMM	DATE 5 24 94
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Receipt of run off into Ponding Area B will occur at two locations with a potential rate of 18,59 ofs (Developed discharge for Basins A and B plus off-site run off from Parcel A).

L=\frac{18.59}{2.9(0.67)'15} = 11.7 ft use 2-4 openings and one \$\pi 3.7'

Discharge from the pond spillular will have a control opening to restrict flow to the undeveloped rate for Basins A and B, plus the pass-through flow of from Off-site Parcel A \quad Q = P_{dev.} + B_{dev} + Parcel A = 5.93+4.65

Qrestricted = 10.58 ofs

The controlled discharge and spillway will be designed as follows:

Build embankment = 6'-5'' $= 2 \cdot 18''$ = 8.00 along entire west = 8.00 along = 6'' = 6.38 $= 6 \cdot 18''$ $= 6 \cdot 1$

Spillway: $L = \frac{18.59}{2.9/1.0} = 6.41 \text{ ft } n 6-5$

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Once past the spillway opening, the rundown to the East Frontage must be sized to convey the 18.59 cfs.

Between the sonding area and the property line a slope of 3% will be utilized.

$$Q = \frac{1.49}{.015} \left(2.01 \right) \left(\frac{2.01}{4.34} \right) \left(\frac{.03}{.03} \right)^{.5}$$

$$\begin{bmatrix} 3' \\ 3' \end{bmatrix} + 3''$$

Q = 20.64 c/s

From the property line to the Frontage Rd the existing slope steepens from 5204.23 to 5188.70 within 55ft for a slope of 28%.

WP=3ft Area= 1.0ft²

 $Q = \frac{1.49}{0.015} \left(\frac{1.0}{3} \right)^{.67} \left(\frac{.28}{.28} \right)^{.5}$

Q= 25.20/5



P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

September 14, 1994

John M. MacKenzie Mark Goodwin & Associates P.O. Box 90606 Albuquerque, NM 87199

RE: REVISED CONCEPTUAL DRAINAGE PLAN FOR ALAMEDA CENTER NORTH (C18-D22) ENGINEER'S STAMP DATED 9/1/94.

Dear Mr. MacKenzie:

Based on the information provided on your September 1, 1994 resubmittal, the above referenced site is approved for Site Development Plan.

Please be advised that prior to Building Permit release, the following concerns must be addressed:

- 1. Have you determined downstream capacity?
- 2. You may want to establish the same concept of release that you proposed on your first submittal. It may be beneficial to release into the back of an existing catch basin in order to increase the allowable outflow.
- 3. Pipe inverts and pond bottoms must be at the same elevation. Check pond "A".
- 4. Recommend that a gravel pond bottom be implemented.
- 5. Recommend that you gutter the proposed motel south routing onto the asphalt area instead of onto the landscape.
- 6. An underground storm system is more attractive and required less maintenance than an above ground system.
- 7. Will all the buildings be built under the dame building permit? If not you will need a phasing plan in which all the storm infrastructures will be built at the start of development.

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

Sincerely,

Bernie J. Montoya, CE

Engineering Associate

BJM/d1/WPHYD/8644

c: Andrew Garcia File



P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

July 14, 1994

John M. Mackenzie Mark Goodwin & Associates P.O. Box 90606 Albuquerque, NM 87199

RE: CONCEPTUAL DRAINAGE PLAN FOR ALAMEDA CENTER NORTH (C18-D22) ENGINEER'S STAMP DATED 5/27/94.

Dear Mr. Mackenzie:

Based on the information provided on your June 7, 1994 submittal, the above referenced site is approved for Site Plan.

Please be advised that prior to Building Permit release, the following concerns must be addressed:

- 1. No ponding is acceptable within 15' feet from a planned or existing structure or closer than 15' feet from the property line minus the required setback on adjacent property. For ponds 18" deep or less, water may be impounded adjacent to the street Right-of-Way but not closer than 10' feet from the pavement. For ponds deeper than 18" water shall not pond closer than 15' feet to the street pavement or curb and gutter. Please check your proposed ponds for this restrictions.
- 2. Hydraulics for the complete storm drain system you are proposing.

 Does the existing inlet have the capacity for the proposed 6.34 cfs?
- 3. The proposed spillway adjacent to the State Highway Right-of-Way must be approved by the Highway Department.
- 4. Replat or easements required for cross-lot-line drainage.
- 5. Will the site be developed in phases, if so, site specific submittals for each phase will be required.

- 6. You have not included the off-site flows on your total runoff, how do you intend to accept them and pass them through the site?
- 7. Pond fencing is required for depths greater than 18".
- 8. Pond emergency spillway calculations.
- 9. Pond landscaping and maintenance provisions and commitments.
- 10. Details of ponds, swales, rundowns, emergency spillways and slopes.
- 11. If the site is going to be developed in phases, a proposed erosion control plan is required to determine how the erosion will be handled phase by phase.
- 12. Please include the 100-year water surface elevation outlined on the plan drawing.
- 13. Please include the proposed berm compaction specifications.
- 14. You will need to identify what impact the proposed development will have on the 100-year flood zone encroaching the west portion of the property.

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

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Sincerely,

Bernie J. Montoya, CE Engineering Associate

BJM/d1/WPHYD/8644

c: Andrew Garcia

D. Mark Goodwin & Associates, P.A. Consulting Engineers and Surveyors

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PROJECT DRAINAGE CONCEPT

As shown on the attached grading and drainage plan, This development will involve construction of a restaurant, fuel station and motel on 4 tracks Because of the lack of development on Parcel B, only a temporary de silting basin will be constructed. Three detention ponds, (A) at the northwest corner of the site (B) along its west edge and (C) along the north side of the motels' eastern parking lot. Discharge from the site will be restricted to the undeveloped rate and on site detention ponds will hald the difference between developed and undevoloped volume.

Q=6.58 Uf5 Volume = 8/85cu. ft.

on site Existing Conditions On-site Proposed Condition Q= 16.32 c/5 Volume = 26,415 ac. St.

Ponding Requirement 18,230 cm. St.

Ponding Area A - at the northwest corner of the site area a max water surface of 5205 = 1330 ft² area a pond bottom = 458 ft²

Avg Area 894 st2

At ponding depth of 2', storage volume = 1788 ft3
Fencins required

JUN - 7 1994

	D. Mark Goodwin & Associates, P.A.
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PROJECT Alameda	Development
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BY_/////	_DATE 6/7/24
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Controlled Site Discharge

Bused upon the existing on-site discharge of 6.58 ofs, developed site discharge to the back of the storm drain in Hameda Blvd. will be restricted with an orifice placed on the opening of the storm drain inlet in ponding Area B.

Max Water Swface drain

@ 9° opening area

a = 0.442 /12

a= ca 129h = (.8)(0.442) \2(32.2)(5)

Q=6,34 cfs

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Ponding Area C. located north of the eastern Motel

parking lot.

Avg. Area = 2080 ft

@ Ponding Depth of 2.25 ft storage volume = 4680 ft3

Total Ponding Storage Provided:

100 yr storm ponding requirement = 18230 ft

D. Mark Goodwin & Associates, P.A.
D. Mark Goodwin & Associates, P.A. Consulting Engineers and Surveyors

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BY	DATE 9/26/94
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	SHEET_Z_OF

Use 12" PVC to Orifice control discharge from pond "B" $h = \frac{8.67}{(1.8)(.785)}/2g$ $A_{12} = .785 \text{ ft}^2$

INLET DETAIL FOR POND B

PROJECT TITLE: Alameda Center No	ZONE ATLAS/DRNG, FILE#(C-/8/D-
DRB #: 94-4// EPC #:	
LEGAL DESCRIPTION:	
CITY ADDRESS:	
ENGINEERING FIRM: D. Mark Goodwin ADDRESS: Box 90606 OWNER: ADDRESS: ARCHITECT: DCSW ADDRESS: SURVEYOR: ADDRESS: CONTRACTOR: SST ADDRESS:	CONTACT: John Mackenzie PHONE: 345-2010 CONTACT: PHONE: CONTACT: Marc Schiff PHONE: 8439639 CONTACT: PHONE: PHONE: Row McCosmich PHONE: 884-6234
TYPE OF SUBMITTAL:	CHECK TYPE OF APPROVAL SOUGHT:
DRAINAGE REPORT DRAINAGE PLAN CONCEPTUAL GRADING & DRAINAGE PLAN GRADING PLAN EROSION CONTROL PLAN X ENGINEER'S CERTIFICATION OTHER PRE-DESIGN MEETING: YES NO COPY PROVIDED	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 CERTIFICATION OF OCCUPANCY APPROVAL GRADING PERMIT APPROVAL PAVING PERMIT APPROVAL S.A.D. DRAINAGE REPORT DRAINAGE REQUIREMENTS OTHER (Specify)
DATE SUBMITTED: $10/3/94$	
DATE SUBMITTED: / / / / / / / / / / / / / / / / / / /	
BY: John M. Muckenzeir	•

JUN 1 4 1995