



City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

December 26, 1997

Roger Martinez, Jr.
Mark Goodwin & Associates
P.O. Box 90606
Albuquerque, NM 87199

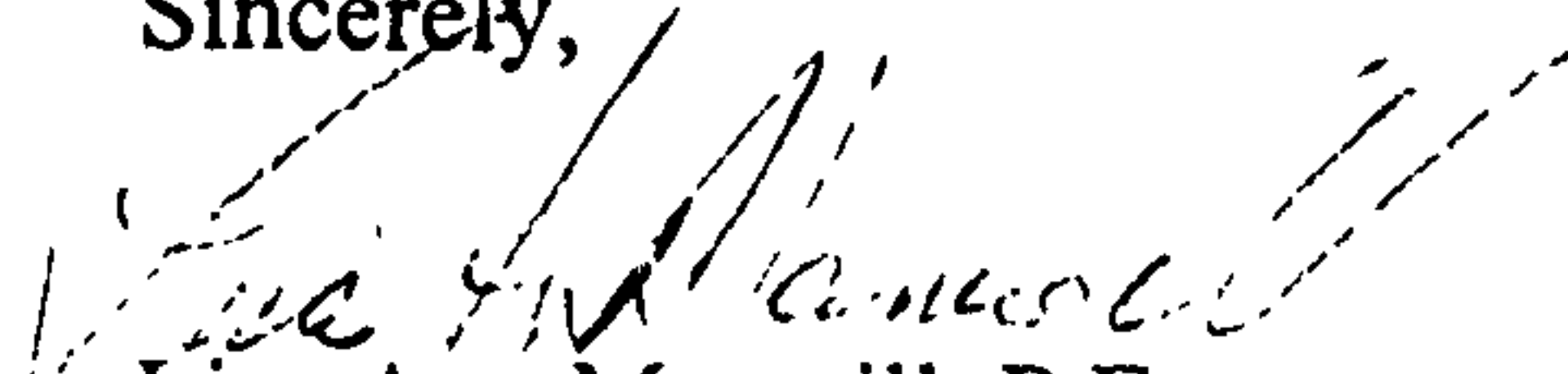
***RE: WYNDHAM AIRPORT HOTEL (M16-D33). ENGINEER'S CERTIFICATION
FOR CERTIFICATE OF OCCUPANCY. ENGINEER'S CERTIFICATION DATED
DECEMBER 10, 1997.***

Dear Mr. Martinez:

Based on the information provided on your December 10, 1997 submittal, the above referenced project is approved for Certificate of Occupancy.

If I can be of further assistance, please feel free to contact me at 924-3984.

Sincerely,


Lisa Ann Maxwell, P.E.
Hydrology

c: Andrew Garcia
[File]

DRAINAGE INFORMATION SHEET

PROJECT TITLE: Wyndham Airport Hotel ZONE/ATLAS/DRNG, FILE#: M-16 / D33

DRB#: _____ EPC# _____ WORK ORDER#: _____

LEGAL DESCRIPTION: Tracts G-1 and H, Municipal Tract, Municipal Addition #9

CITY ADDRESS: 2910 Yale Blvd. SE

ENGINEERING FIRM:	Mark Goodwin & Associates, PA	CONTACT:	Roger Martinez
ADDRESS:	P.O. Box 90606 Albuquerque, NM 87199	PHONE:	(505) 345-2010
OWNER:	Wyndham Hotel Albuquerque	CONTACT:	Todd Sides
ADDRESS:	7801 Academy Rd. Albuquerque, NM 87109	PHONE:	(505) 828-9611
ARCHITECT:	Del La Torre Architects	CONTACT:	Todd Sides
ADDRESS:	7801 Academy Rd. Albuquerque, NM 87109	PHONE:	(505) 828-9611
SURVEYOR:	N/A	CONTACT:	
ADDRESS:		PHONE:	
CONTACTOR:	Wilger Enterprises, Inc	CONTACT:	Todd Sides
ADDRESS:	425 Edmon NE 87107	PHONE:	(505) 345-2854

TYPE OF SUBMITTAL:

☐ DRAINAGE REPORT

☐ DRAINAGE PLAN

☐ CONCEPTUAL GRADING & DRAINAGE PLAN

☐ GRADING PLAN

☐ EROSION CONTROL

☒ 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

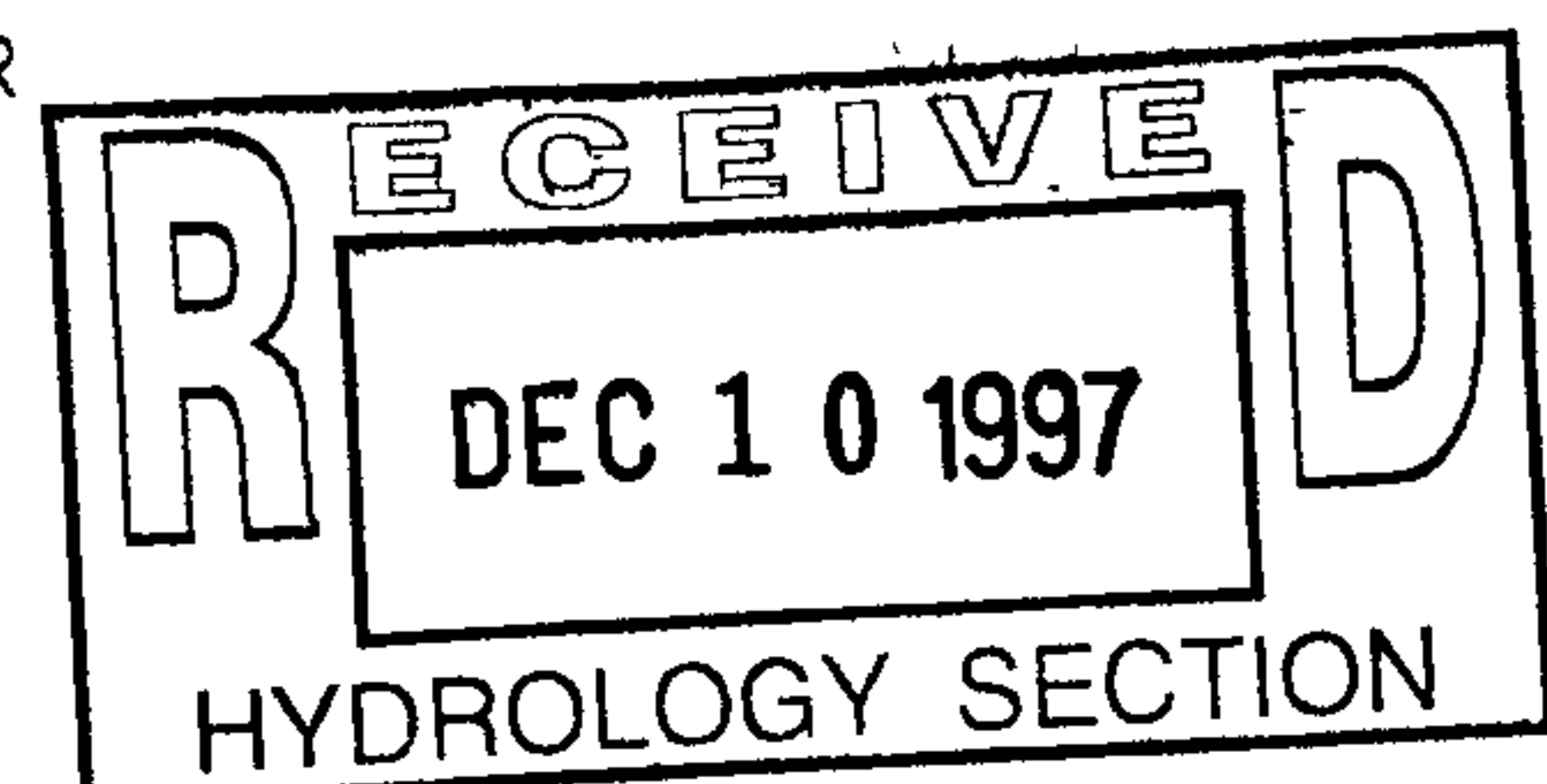
☐ DRAINAGE REQUIREMENTS

☐ OTHER

DATE SUBMITTED: 11 Dec 97

BY

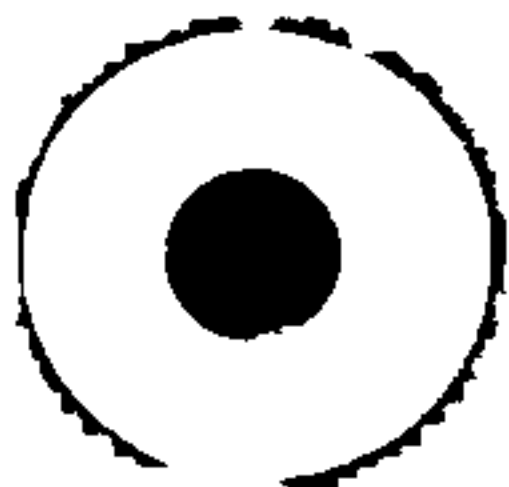
Roger Martinez Jr



PUBLIC WORKS DEPARTMENT
SIDEWALK & DRIVEPAD INSPECTION

50th 19

APPROVED



[Signature]
Inspector

Permits
Phone: 768-2551

Dispatch
857-8025

Insp. Office
857-8036

Date 10-31-97 Permit No. 995-338

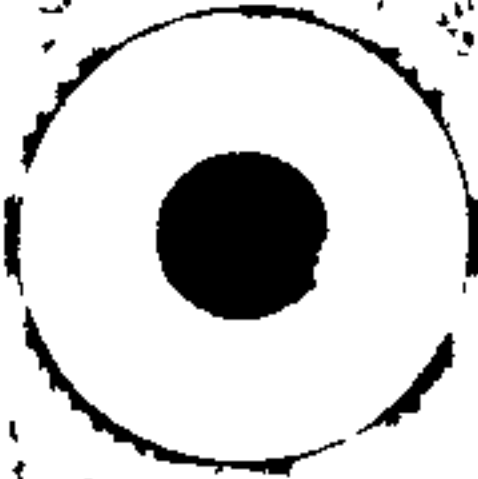
Contractor

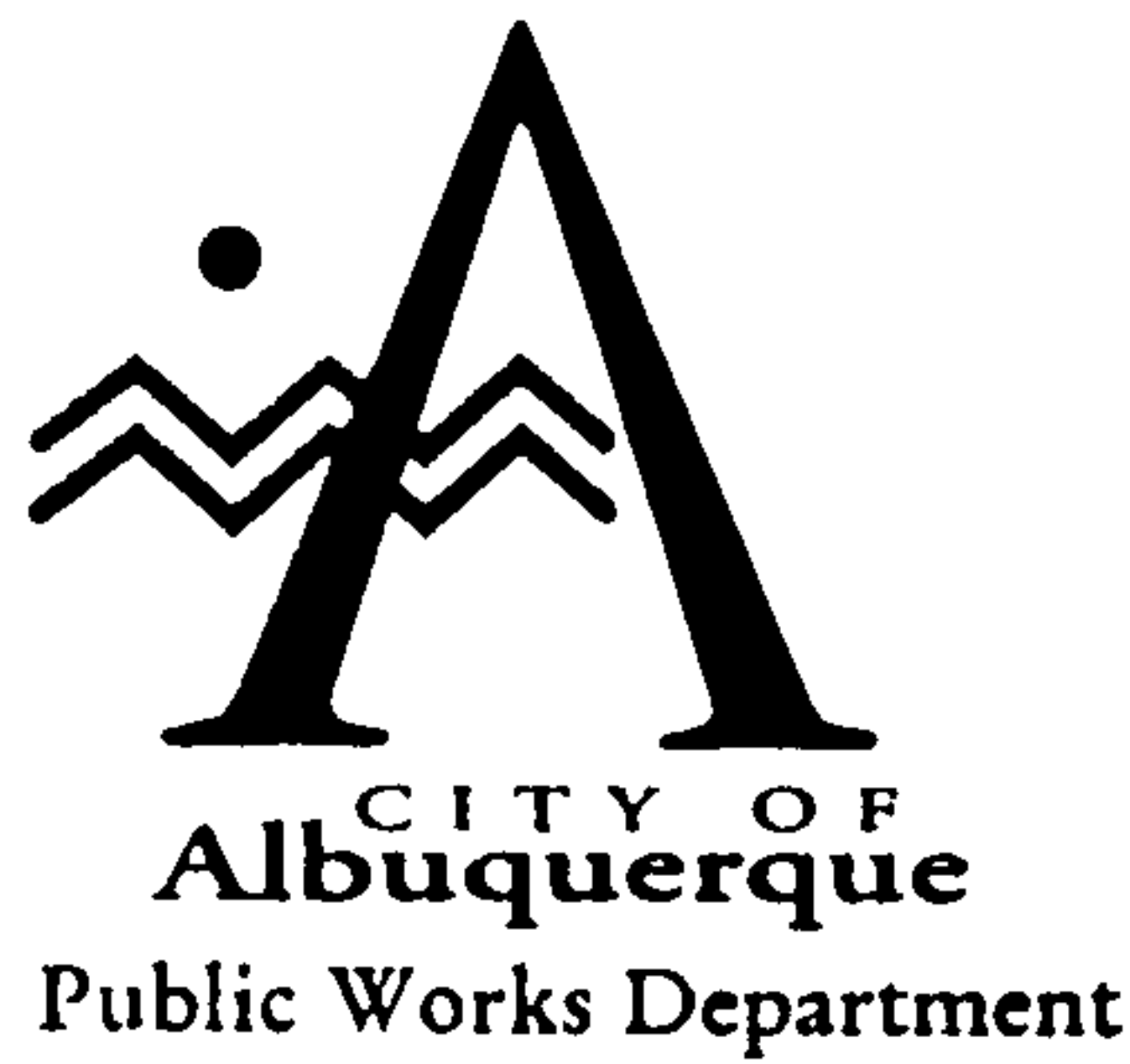
Cambro

Location

2910 Yale St

Time





Martin J. Chávez, Mayor

June 5, 1997

Robert E. Gurulé, Director

Roger Martinez
Mark Goodwin and Associates, PA
P.O. Box 90606
Albuquerque, New Mexico 87199

RE: Drainage Plan for Wyndham Airport Hotel (M16-D33) Received May 14, 1997

Dear Mr. Martinez:

The above referenced plan dated May 14, 1997 is approved for Building Permit. Also, the Drainage Facilities Within City Right Of Way (SO #19) is approved for the sidewalk culvert.

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.

Prior to Certificate of Occupancy release the Engineer will need to certify the project per the DPM. A minor drafting error in the legend will need to be corrected. The new addition and parking will need to be changed.

If you have any questions please call me at 924-3984.

Sincerely,

A handwritten signature in black ink, appearing to read 'Carlos A. Montoya'.

Carlos A. Montoya
Project Manager

c: Andrew Garcia
File

Good for You, Albuquerque!

P.O. Box 1293, Albuquerque, New Mexico 87103



CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

June 5, 1997

INTER-OFFICE CORRESPONDENCE

HYDROLOGY DIVISION

TO: Desiderio Salas, Street Maintenance Division

FROM: Carlos A. Montoya, Project Manager, PWD *CAM*

SUBJECT: **PRIVATE DRAINAGE FACILITIES WITHIN PUBLIC
RIGHTS-OF-WAY/EASEMENT**

_____(M16-D33)_____

Transmitted herewith, is a copy of the approved drainage plan for the referenced project incorporating the S.O. #19 design.

In accordance with the new process, this plan is being submitted to you for permitting and inspection. Please provide this section with a signed-off copy per the signature block upon construction and acceptance by your office.

As you are aware, the signed-off S.O. #19 is required by this office for Certificate of Occupancy release; hence your expeditious processing of this plan would be greatly appreciated and would avoid any unnecessary delay in the release of the Certificate of Occupancy.

Thank you for your cooperation and if you should have any questions and/or comments regarding the process, please feel free to call me at 924-3984.

Attachment

DRAINAGE INFORMATION SHEET

PROJECT TITLE: Wyndham Airport Hotel ZONE/ATLAS/DRNG, FILE# M-16 / D33
DRB#: EPC# WORK ORDER#:
LEGAL DESCRIPTION: Tracts G-1 and H, Municipal Tract, Municipal Addition #9
CITY ADDRESS: 2910 Yale Blvd. SE

ENGINEERING FIRM:	Mark Goodwin & Associates, PA	CONTACT:	Roger Martinez
ADDRESS:	P O Box 90606 Albuquerque, NM 87199	PHONE:	(505) 345-2010
OWNER	Wyndham Hotel Albuquerque	CONTACT	Todd Sides
ADDRESS:	7801 Academy Rd. Albuquerque, NM 87109	PHONE	(505) 828-9611
ARCHITECT:	Del La Torre Architects	CONTACT:	Todd Sides
ADDRESS:	7801 Academy Rd Albuquerque, NM 87109	PHONE	(505) 828-9611
SURVEYOR:	N/A	CONTACT:	
ADDRESS:		PHONE:	
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☒ DRAINAGE PLAN
☐ CONCEPTUAL GRADING & DRAINAGE PLAN
☒ GRADING PLAN
☐ EROSION CONTROL
☐ ENGINEER'S CERTIFICATION
☐ OTHER

CHECK TYPE OF APPROVAL SOUGHT:

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☒ BUILDING PERMIT APPROVAL
☐ CERTIFICATION OF OCCUPANCY APPROVAL
☐ GRADING PERMIT APPROVAL
☐ PAVING PERMIT APPROVAL
☐ S.A D DRAINAGE REPORT
☐ DRAINAGE REQUIREMENTS
☐ OTHER

PRE-DESIGN MEETING:

☐ YES
☒ NO
☐ COPY PROVIDED

DATE SUBMITTED: May 14, 1997

BY:

Roger Martinez Jr.



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

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

May 13, 1997

Hydrology Section, City of Albuquerque
Plaza Del Sol
200 Lomas NW
Albuquerque, NM 87102

RE: Wyndham Airport Hotel M-16

To Whom It May Concern:

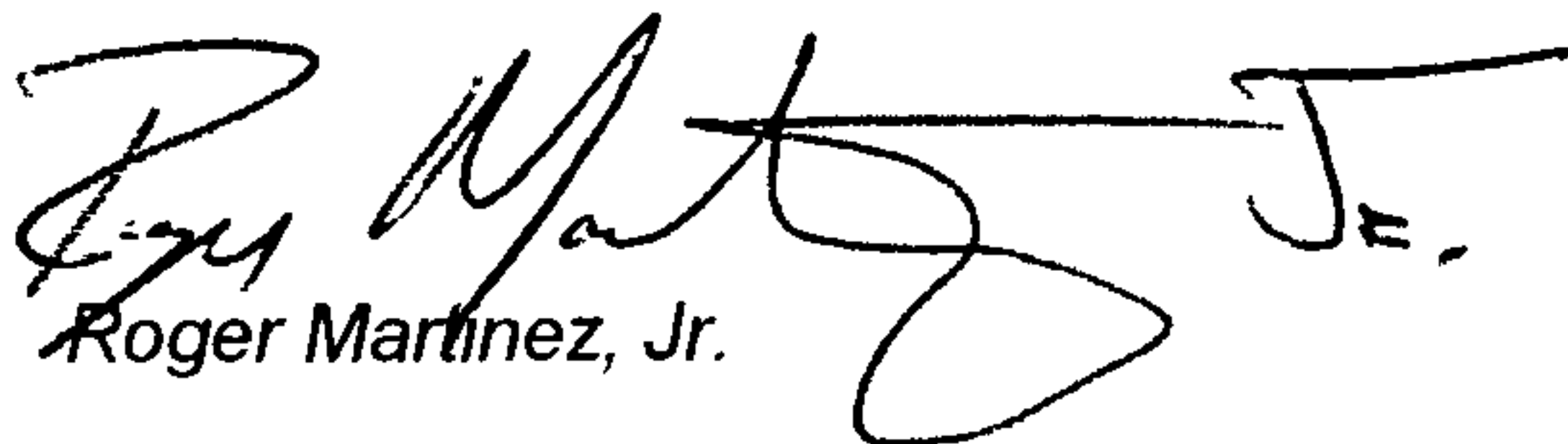
Attached, please find the drainage calculations, grading and drainage plan for the Wyndham Airport Hotel located at the southeast corner of Yale Blvd and Sunport Blvd.

The site will remain in operation during construction of the proposed improvements. The proposed improvements for this site are building additions with additional parking area. There will be no additional impervious area within a portion of the proposed parking lot improvements and building additions. The parking areas located on the northwestern and southwestern side of the property have increased the storm runoff by $Q=1.10\text{cfs}$. The increased flows from the new parking areas will be controlled discharge offsite (See attached plan). The existing storm runoff will continue to be conveyed overland and offsite without adverse impedance to the existing drainage patterns. AHYMO was used and fully developed conditions were assumed to calculate and obtain the developed flows in accordance with current city standards and ordinances (see attached sheets).

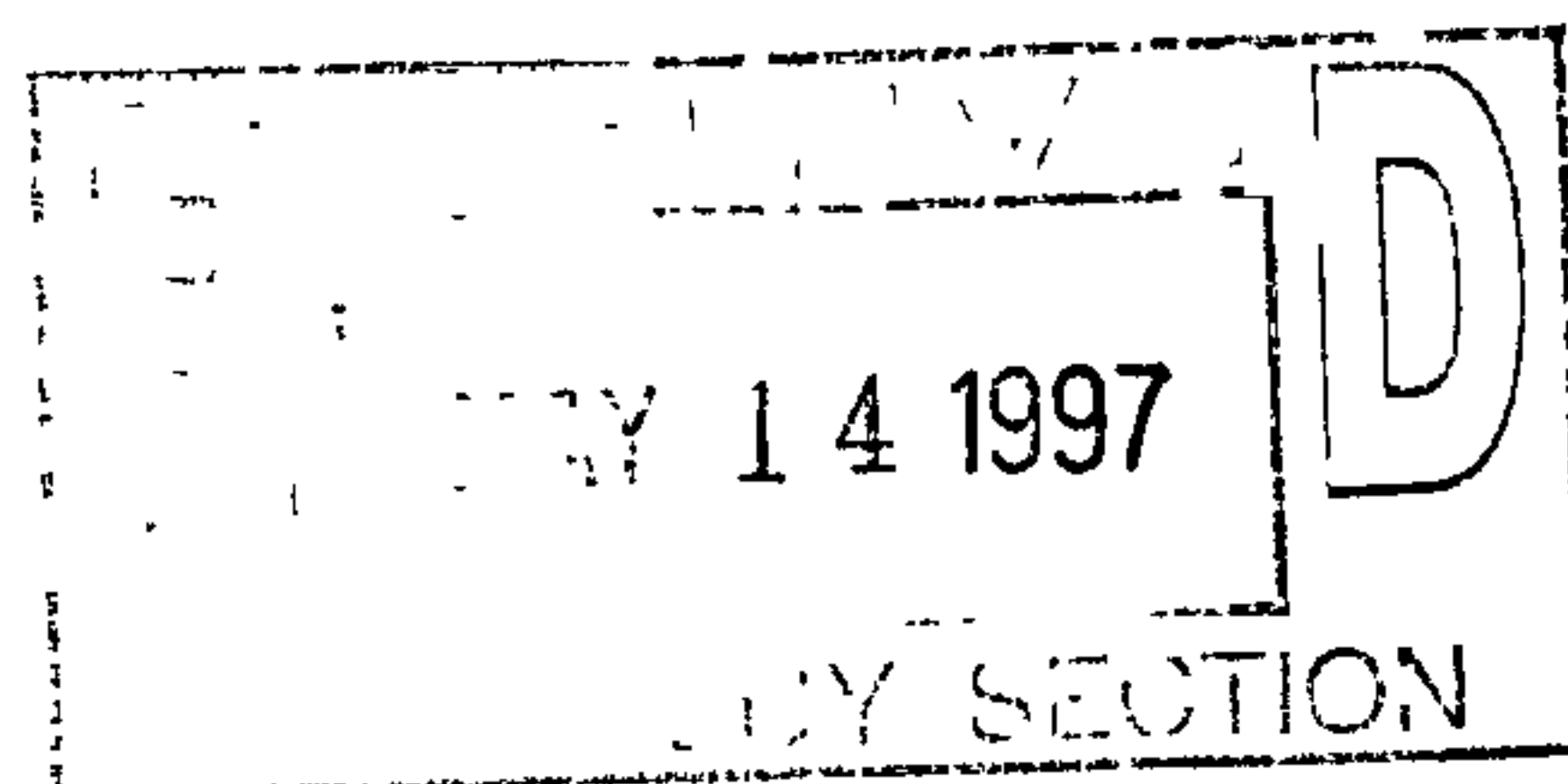
If you have any questions concerning this site or the submittal, please contact me at 345-2010.

Sincerely,

D. MARK GOODWIN & ASSOCIATES, P.A.


Roger Martinez, Jr.

Attachments





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

PROJECT WYNDHAM AIRPORT HOTEL
SUBJECT DRAINAGE
BY DM DATE 13 MAY 97
CHECKED _____ DATE _____
SHEET 1 OF 2

TOTAL AREA OF SITE

$$A = 9.7553 \text{ ACRES} = 0.015243 \text{ SQ. MILES}$$

PROPOSED IMPROVEMENTS INCLUDE BUILDING ADDITIONS & PARKING LOT IMPROVEMENTS. AN INCREASE OF 7% IN IMPERVIOUS AREA CONVERTED FROM LANDSCAPING.

• NORTHERN MOST PARKING LOT (PROPOSED)

$$A = 16,468 \text{ SQ. FT.} = 0.3781 \text{ ACRES} = 0.00059071 \text{ SQ. MILES}$$

100% LANDSCAPED AREA TYPE "C" LAND TREATMENT EXISTING

100% IMPERVIOUS AREA TYPE "D" LAND TREATMENT PROPOSED

AHYMO RESULTS

$$Q_c = 1.20 \text{ cfs EXISTING}$$

$$Q_o = 1.79 \text{ cfs PROPOSED}$$

DEVELOPED FLOW INCREASED BY $Q = 0.59 \text{ cfs}$. EXISTING FLOW DISCHARGES FROM SITE IN SHEET FLOW TOWARDS SUNPORT & YALE BOULEVARD. PROPOSED IMPROVEMENTS WILL DIVERT FLOW TO YALE BOULEVARD VIA 2' CONCRETE CHANNEL & SIDEWALK CULVERT.

• SOUTHWESTERN PARKING LOT (PROPOSED)

$$A = 14,320 \text{ SQ. FT.} = 0.3287 \text{ ACRES} = 0.00051366 \text{ SQ. MILES}$$

100% LANDSCAPED AREA TYPE "C" LAND TREATMENT EXISTING

100% IMPERVIOUS AREA TYPE "D" LAND TREATMENT PROPOSED

AHYMO RESULTS

$$Q_c = 1.04 \text{ cfs EXISTING}$$

$$Q_o = 1.55 \text{ cfs PROPOSED}$$

DEVELOPED FLOW INCREASED BY $Q = 0.51 \text{ cfs}$.

CONTINUED ON NEXT PAGE



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

PROJECT WINDHAM AIRPORT HOTEL
SUBJECT DRAINAGE
BY RM DATE 13 May 97
CHECKED _____ DATE _____
SHEET 2 OF 2

• SOUTHWESTERN PARKING LOT (CONTINUED)

$Q = 0.51 \text{ cfs}$ INCREASED FLOW

EXISTING CONDITIONS DISCHARGE FLOW TO YALE BLVD THEN INTO THE STORM INLET ON THE SOUTH SIDE OF THE EXISTING ENTRANCE. THE PROPOSED PARKING LOT IMPROVEMENTS DIRECT FLOW TO THE EXISTING STORM INLET LOCATED IN THE EXISTING PARKING LOT. THIS STORM INLET IS CONNECTED TO THE STORM INLET IN YALE BLVD. WHERE THE EXISTING FLOW ENTERED THE SUBSURFACE DISCHARGE.

- IMPROVEMENTS NOT PREVIOUSLY MENTIONED WILL NOT INCREASE OR DECREASE STORM RUNOFF NOR WILL DRAINAGE PATTERNS ALTER FROM THE EXISTING CONDITION.

- THE PROPOSED IMPROVEMENTS FOR THIS SITE HAVE INCREASED DEVELOPED STORM RUNOFF BY $Q = 1.10 \text{ cfs}$ ON A 9.7553 ACRE SITE. THIS IS A NEGLIGIBLE AMOUNT OF STORM RUNOFF. THE DEVELOPED FLOW FROM THE NORTH AND SOUTH PARKING LOTS HAVE BEEN ALTERED FROM SHEET FLOW TO CONCENTRATED FLOW TO COMPLY WITH CURRENT CITY STANDARDS.

START TIME=0.0

***** HYDROGRAPH FOR WINDHAM AIRPORT HOTEL IMPROVEMENTS
***** AT YALE AND SUNPORT BOULEVARDS

RAINFALL TYPE=1 RAIN QUARTER=0.0 IN
RAIN ONE=2.01 IN RAIN SIX=2.35 IN
RAIN DAY=2.75 IN DT=0.03333 HR

*HYDROGRAPH FOR NORTHERN MOST PROPOSED PARKING LOT
*TO DISCHARGE TO YALE BOULEVARD VIA SIDEWALK CULVERTS

COMPUTE NM HYD ID=1 HYD NO=101.1 AREA=0.00059071 SQ MI
PER A=0.00 PER B=0.00 PER C=0.00 PER D=100.00
TP=0.1333 HR MASS RAINFALL=-1
PRINT HYD ID=1 CODE=1

*HYDROGRAPH FOR EXISTING LAND TREATMENTS FOR THE PROPOSED
*NORTHERN MOST PARKING LOT.

COMPUTE NM HYD ID=2 HYD NO=101.2 AREA=0.00059071 SQ MI
PER A=0.00 PER B=0.00 PER C=100.00 PER D=0.00
TP=0.1333 HR MASS RAINFALL=-1
PRINT HYD ID=2 CODE=1

*HYDROGRAPH FOR SOUTHWESTERN PROPOSED PARKING LOT IMPROVEMENTS
*TO DISCHARGE INTO AN EXISTING STORM INLET IN PARKING LOT.

COMPUTE NM HYD ID=3 HYD NO=101.3 AREA=0.00051366 SQ MI
PER A=0.00 PER B=0.00 PER C=0.00 PER D=100.00
TP=0.1333 HR MASS RAINFALL=-1
PRINT HYD ID=3 CODE=1

*HYDROGRAPH FOR EXISTING CONDITIONS AT THE SOUTHWESTERN PROPOSED PARKING LOT
*DISCHARGES IN SHEET FLOW TO AN EXISTING STORM INLET IN YALE BLVD.

COMPUTE NM HYD ID=4 HYD NO=101.4 AREA=0.00051366 SQ MI
PER A=0.00 PER B=0.00 PER C=100.00 PER D=0.00
TP=0.1333 HR MASS RAINFALL=-1
PRINT HYD ID=4 CODE=1

FINISH

AHYMO PROGRAM (AHYMO194) - AMAFCA Hydrologic Model - January, 1994
 RUN DATE (MON/DAY/YR) = 05/13/1997
 START TIME (HR:MIN:SEC) = 10:58:06 USER NO.= M_GOODWN.I01
 INPUT FILE = WINDHAM.DAT

START TIME=0.0

***** HYDROGRAPH FOR WINDHAM AIRPORT HOTEL IMPROVEMENTS

***** AT YALE AND SUNPORT BOULEVARDS

RAINFALL TYPE=1 RAIN QUARTER=0.0 IN

RAIN ONE=2.01 IN RAIN SIX=2.35 IN

RAIN DAY=2.75 IN DT=0.03333 HR

COMPUTED 6-HOUR RAINFALL DISTRIBUTION BASED ON NOAA ATLAS

2 - PEAK AT 1.40 HR.

DT =	.033330 HOURS			END TIME =	5.999400 HOURS	
	.0000	.0016	.0033	.0049	.0066	.0084
	.0120	.0139	.0158	.0178	.0199	.0219
	.0263	.0286	.0309	.0333	.0358	.0384
	.0439	.0467	.0497	.0529	.0561	.0596
	.0669	.0709	.0751	.0807	.0866	.0930
	.1371	.1840	.2514	.3434	.4644	.6186
	1.0449	1.2624	1.3533	1.4300	1.4982	1.5602
	1.6704	1.7200	1.7664	1.8102	1.8514	1.8904
	1.9622	1.9953	2.0268	2.0566	2.0850	2.0915
						2.0976

2.1033	2.1088	2.1140	2.1191	2.1239	2.1285	2.1329
2.1373	2.1414	2.1454	2.1494	2.1531	2.1568	2.1604
2.1639	2.1673	2.1706	2.1739	2.1771	2.1802	2.1832
2.1862	2.1891	2.1919	2.1947	2.1975	2.2002	2.2028
2.2054	2.2080	2.2105	2.2130	2.2154	2.2178	2.2202
2.2225	2.2248	2.2270	2.2293	2.2315	2.2336	2.2358
2.2379	2.2399	2.2420	2.2440	2.2460	2.2480	2.2500
2.2519	2.2538	2.2557	2.2576	2.2594	2.2612	2.2631
2.2648	2.2666	2.2684	2.2701	2.2718	2.2735	2.2752
2.2769	2.2785	2.2802	2.2818	2.2834	2.2850	2.2866
2.2881	2.2897	2.2912	2.2928	2.2943	2.2958	2.2973
2.2987	2.3002	2.3017	2.3031	2.3045	2.3060	2.3074
2.3088	2.3102	2.3115	2.3129	2.3143	2.3156	2.3169
2.3183	2.3196	2.3209	2.3222	2.3235	2.3248	2.3261
2.3273	2.3286	2.3298	2.3311	2.3323	2.3335	2.3348
2.3360	2.3372	2.3384	2.3396	2.3408	2.3419	2.3431
2.3443	2.3454	2.3466	2.3477	2.3488	2.3500	

*HYDROGRAPH FOR NORTHERN MOST PROPOSED PARKING LOT

*TO DISCHARGE TO YALE BOULEVARD VIA SIDEWALK CULVERTS

COMPUTE NM HYD ID=1 HYD NO=101.1 AREA=0.00059071 SQ MI

PER A=0.00 PER B=0.00 PER C=0.00 PER D=100.00

TP=0.1333 HR MASS RAINFALL=-1

K = .072649HR TP = .133300HR K/TP RATIO = .545000 SHA
 PE CONSTANT, N = 7.106420
 UNIT PEAK = 2.3322 CFS UNIT VOLUME = .9941 B = 526.
 28 P60 = 2.0100
 AREA = .000591 SQ MI IA = .10000 INCHES INF = .04000
 INCHES PER HOUR
 RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - D
 T = .033330

PRINT HYD ID=1 CODE=1

PARTIAL HYDROGRAPH 101.10

RUNOFF VOLUME = 2.11537 INCHES = .0666 ACRE-FEET
 PEAK DISCHARGE RATE = 1.79 CFS AT 1.500 HOURS BASIN AREA =
 .0006 SQ. MI.

*HYDROGRAPH FOR EXISTING LAND TREATMENTS FOR THE PROPOSED

*NORTHERN MOST PARKING LOT.

COMPUTE NM HYD ID=2 HYD NO=101.2 AREA=0.00059071 SQ MI

PER A=0.00 PER B=0.00 PER C=100.00 PER D=0.00

TP=0.1333 HR MASS RAINFALL=-1

K = .107446HR TP = .133300HR K/TP RATIO = .806046 SHA
 PE CONSTANT, N = 4.440701

UNIT PEAK = 1.6997 CFS UNIT VOLUME = .9929 B = 383.
 55 P60 = 2.0100

AREA = .000591 SQ MI IA = .35000 INCHES INF = .83000
 INCHES PER HOUR

RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - D
 T = .033330

PRINT HYD ID=2 CODE=1

PARTIAL HYDROGRAPH 101.20

RUNOFF VOLUME = 1.12790 INCHES = .0355 ACRE-FEET
 PEAK DISCHARGE RATE = 1.20 CFS AT 1.500 HOURS BASIN AREA =
 .0006 SQ. MI.

*HYDROGRAPH FOR SOUTHWESTERN PROPOSED PARKING LOT IMPROVEMENTS

*TO DISCHARGE INTO AN EXISTING STORM INLET IN PARKING LOT.

COMPUTE NM HYD ID=3 HYD NO=101.3 AREA=0.00051366 SQ MI

PER A=0.00 PER B=0.00 PER C=0.00 PER D=100.00

TP=0.1333 HR MASS RAINFALL=-1

K = .072649HR TP = .133300HR K/TP RATIO = .545000 SHA
 PE CONSTANT, N = 7.106420

UNIT PEAK = 2.0280 CFS UNIT VOLUME = .9941 B = 526.
 28 P60 = 2.0100

AREA = .000514 SQ MI IA = .10000 INCHES INF = .04000
 INCHES PER HOUR

RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - D
 T = .033330

PRINT HYD ID=3 CODE=1

PARTIAL HYDROGRAPH 101.30

RUNOFF VOLUME = 2.11537 INCHES = .0580 ACRE-FEET
 PEAK DISCHARGE RATE = 1.55 CFS AT 1.500 HOURS BASIN AREA =

.0005 SQ. MI.

*HYDROGRAPH FOR EXISTING CONDITIONS AT THE SOUTHWESTERN PROPOSED PARKING LOT

*DISCHARGES IN SHEET FLOW TO AN EXISTING STORM INLET IN YALE BLVD.

COMPUTE NM HYD ID=4 HYD NO=101.4 AREA=0.00051366 SQ MI

PER A=0.00 PER B=0.00 PER C=100.00 PER D=0.00

TP=0.1333 HR MASS RAINFALL=-1

K = .107446HR TP = .133300HR K/TP RATIO = .806046 SHA
PE CONSTANT, N = 4.440701

UNIT PEAK = 1.4780 CFS UNIT VOLUME = .9912 B = 383.
55 P60 = 2.0100

AREA = .000514 SQ MI IA = .35000 INCHES INF = .83000
INCHES PER HOUR

RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - D
T = .033330

PRINT HYD ID=4 CODE=1

PARTIAL HYDROGRAPH 101.40

RUNOFF VOLUME = 1.12790 INCHES = .0309 ACRE-FEET
PEAK DISCHARGE RATE = 1.04 CFS AT 1.500 HOURS BASIN AREA =
.0005 SQ. MI.

FINISH

NORMAL PROGRAM FINISH

END TIME (HR:MIN:SEC) = 10:58:07