



CITY OF
Albuquerque

November 5, 1996

Martin J. Chávez, Mayor

Chris Weiss
C.L. Weiss Engineering, Inc
P. O. Box 97
Sandia Park, NM 87047

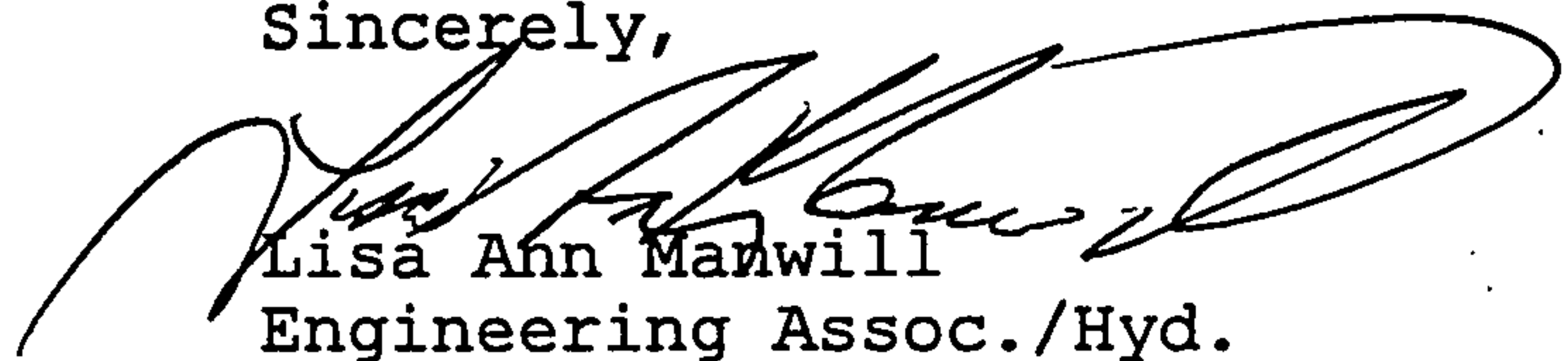
**RE: WASHINGTON STREET NE - 3 OFFICES (C17-D1U9). ENGINEER'S
CERTIFICATION FOR CERTIFICATE OF OCCUPANCY. ENGINEER'S
CERTIFICATION DATED OCTOBER 11, 1996.**

Dear Mr. Weiss:

Based on the information provided on your October 15, 1996
submittal and the "green tag," recieved November 5, 1996 the
above referenced plan is approved for a Certificate of Occupancy.

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

Sincerely,



Lisa Ann Manwill
Engineering Assoc./Hyd.

c: Andrew Garcia
File





October 21, 1996

Martin J. Chávez, Mayor

Chris Weiss
C.L. Weiss Engineering, Inc
P. O. Box 97
Sandia Park, NM 87047

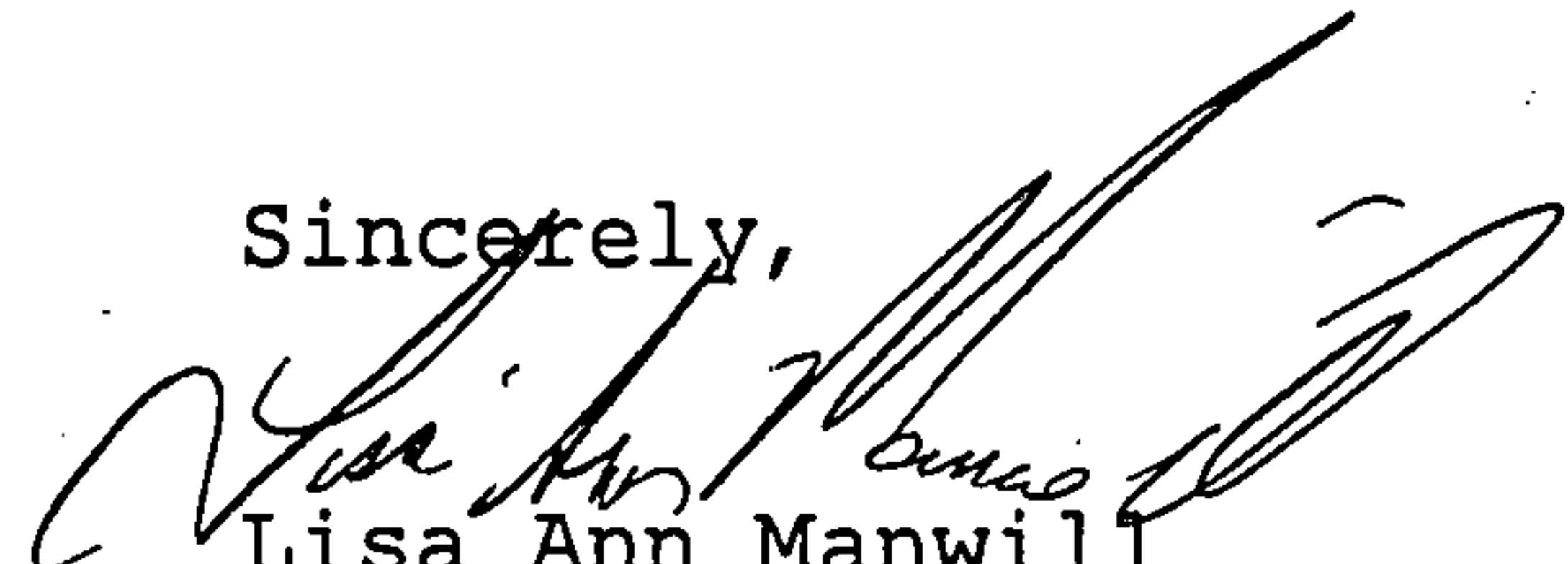
**RE: WASHINGTON STREET NE - 3 OFFICES (C17-D1U9). ENGINEER'S
CERTIFICATION FOR CERTIFICATE OF OCCUPANCY. ENGINEER'S
CERTIFICATION DATED OCTOBER 11, 1996.**

Dear Mr. Weiss:

Based on the information provided on your October 15, 1996 submittal, the above referenced plan is approved for a 30-day temporary Certificate of Occupancy. Prior to final approval, you will need to provide this office with a copy of the "green tag" which approved the sidewalk culvert. A representative from Telstar Contractors brought me a number of green tags, however, none of them was for the sidewalk culvert.

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

Sincerely,



Lisa Ann Manwill
Engineering Assoc./Hyd.

c: Andrew Garcia
File

Good for You, Albuquerque!



DRAINAGE INFORMATION SHEET

PROJECT TITLE: Washington St. NE - 3 Offices

ZONE ATLAS / DRNG. FILE #: C-17/4149

LEGAL DESCRIPTION: Tract B-1-A-7, Clifford Industrial Park, Albuquerque, NM

CITY ADDRESS: N/A

ENGINEERING FIRM: C.L. Weiss Engineering

CONTACT: Chris Weiss

ADDRESS: P.O. Box 97, Sandia Park NM, 87047

PHONE: 281-1800

OWNER: N/A

CONTACT: _____

ADDRESS: N/A

PHONE: _____

ARCHITECT: Bill Buckley

CONTACT: Bill Buckley

ADDRESS: N/A

PHONE: 521-4106

SURVEYOR: Forstbauer Surveying Co.

CONTACT: Ron Forstbauer

ADDRESS: 1100 Alvarado Dr. NE - 87110

PHONE: 268-2112

CONTRACTOR FIRM: N/A

CONTACT: Terry - Telstar

ADDRESS: _____

PHONE: 821-5600

PRE-DESIGN MEETING:

☐ YES

☒ NO

☐ COPY OF CONFERENCE RECAP
SHEET PROVIDED

DRB NO. _____

EPC NO. _____

PROJ. NO. C17-D1U9

TYPE OF SUBMITTAL:

☐ DRAINAGE REPORT

☐ DRAINAGE PLAN

☐ CONCEPTUAL GRADING & DRAINAGE PLAN

☐ GRADING PLAN

☐ EROSION CONTROL PLAN

☒ ENGINEER'S CERTIFICATION

CHECK TYPE OF APPROVAL SOUGHT:

☐ SKETCH PLAT

☐ PRELIMINARY PLAT

☐ SITE DEVELOPMENT PLAN

☐ FINAL PLAT

☐ BUILDING PERMIT

☐ FOUNDATION PERMIT

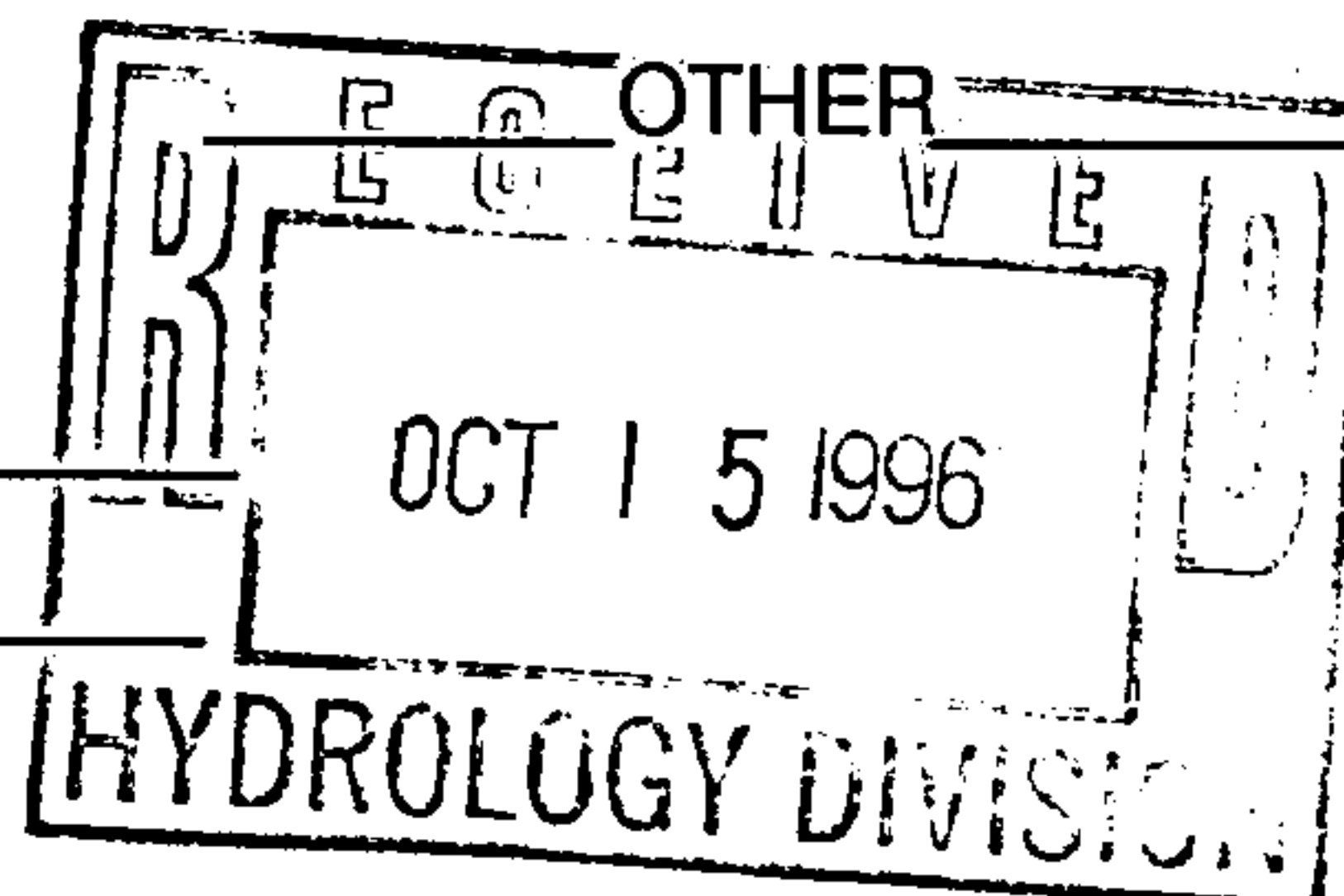
☒ CERT. OF OCCUPANCY

☐ ROUGH GRADING PERMIT

☐ GRADING / PAVING PERMIT

DATE SUBMITTED: October 11, 1996

BY: C.L. Weiss Engineering, Inc.





C.L. Weiss Engineering, Inc
Post Office Box 97
Sandia Park, N.M. 87047

Phone / Fax (505) 281-1800
Alvarado Office (505) 266-3444

February 29, 1996

Ms. Lisa Ann Manwill
Engineering Assoc. / Hyd.
City of Albuquerque Hydrology
P.O. Box 1293
Albuquerque, NM 87103

RE: WASHINGTON STREET NE - 3 OFFICES (C17-D1U9) REVISIONS TO APPROVED DG PLAN
DATED 12-4-95

Dear Ms. Manwill,

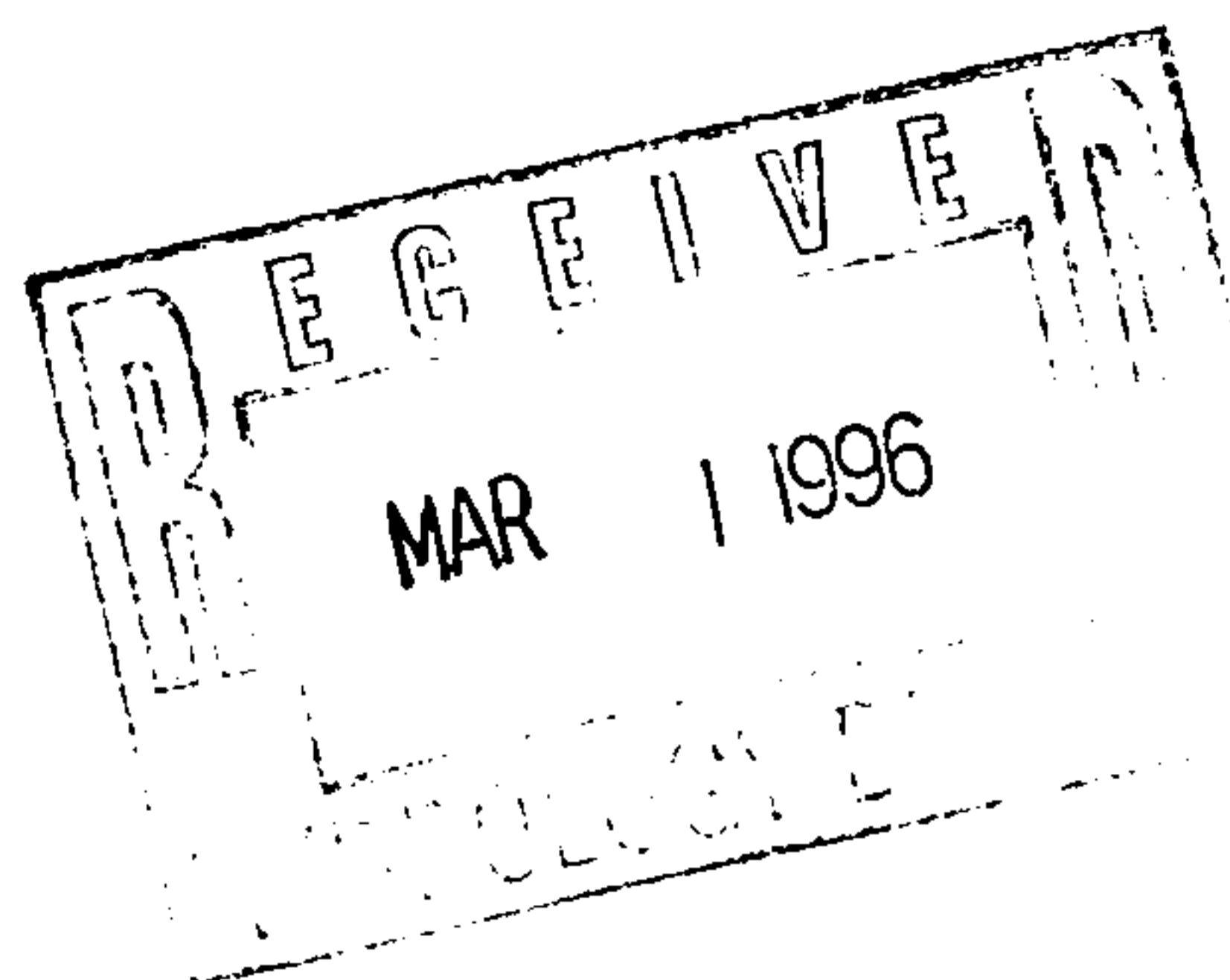
Enclosed with this letter is one copy of revisions for the above referenced project per your conversation with Chris Weiss on February 28, 1996. The following revisions were made:

1. On-site pond designed to detain flows and release them at a rate of 2.3 cfs / acre.
2. Drainage swale and underwalk drains to President Pl. recalculated to provide for new flowrate.

Please don't hesitate to call Chris Weiss, Project Engineer at 281-1800 if you have any questions, comments or concerns.

Sincerely,

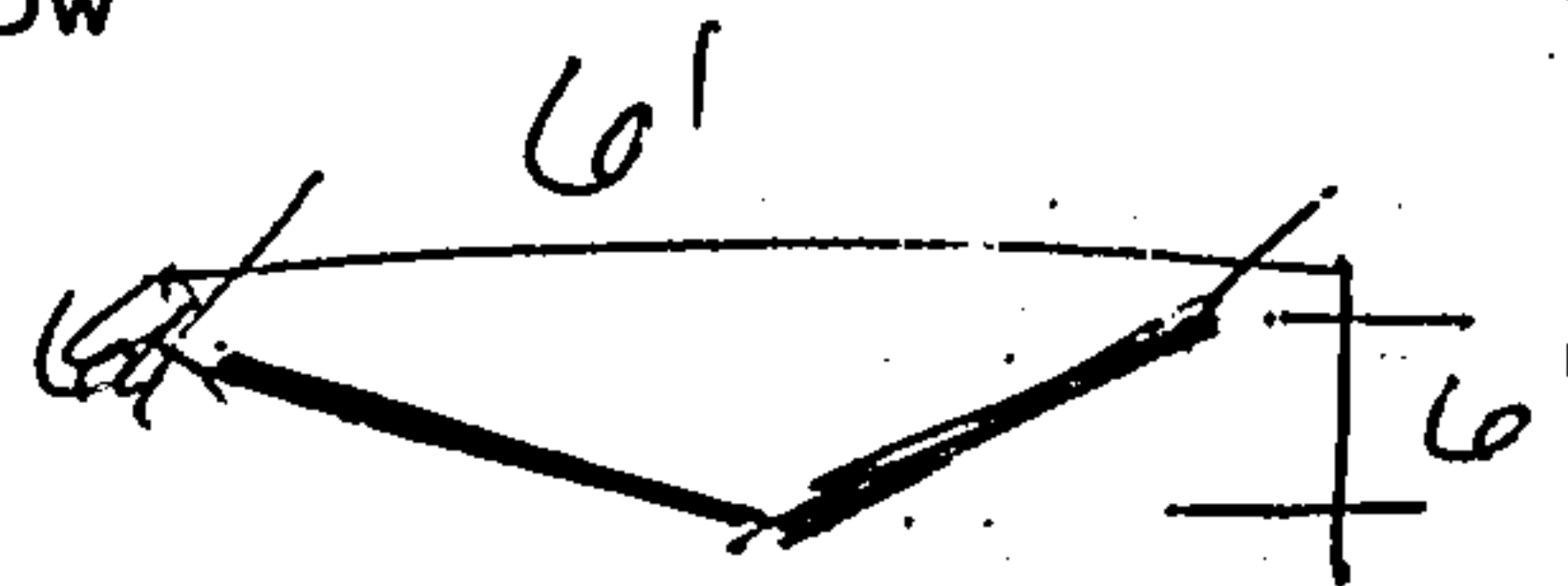
Bryan J. Bobrick, Project Manager
C.L. Weiss Engineering, Inc.



Buckley
Triangular Channel Analysis & Design
Open Channel - Uniform flow

Worksheet Name:

Asphalt Swale



Comment:

Solve For Depth

Given Input Data:

Left Side Slope..	6.00:1 (H:V)
Right Side Slope.	6.00:1 (H:V)
Manning's n.....	0.015
Channel Slope....	0.0200 ft/ft
Discharge.....	6.68 cfs

Computed Results:

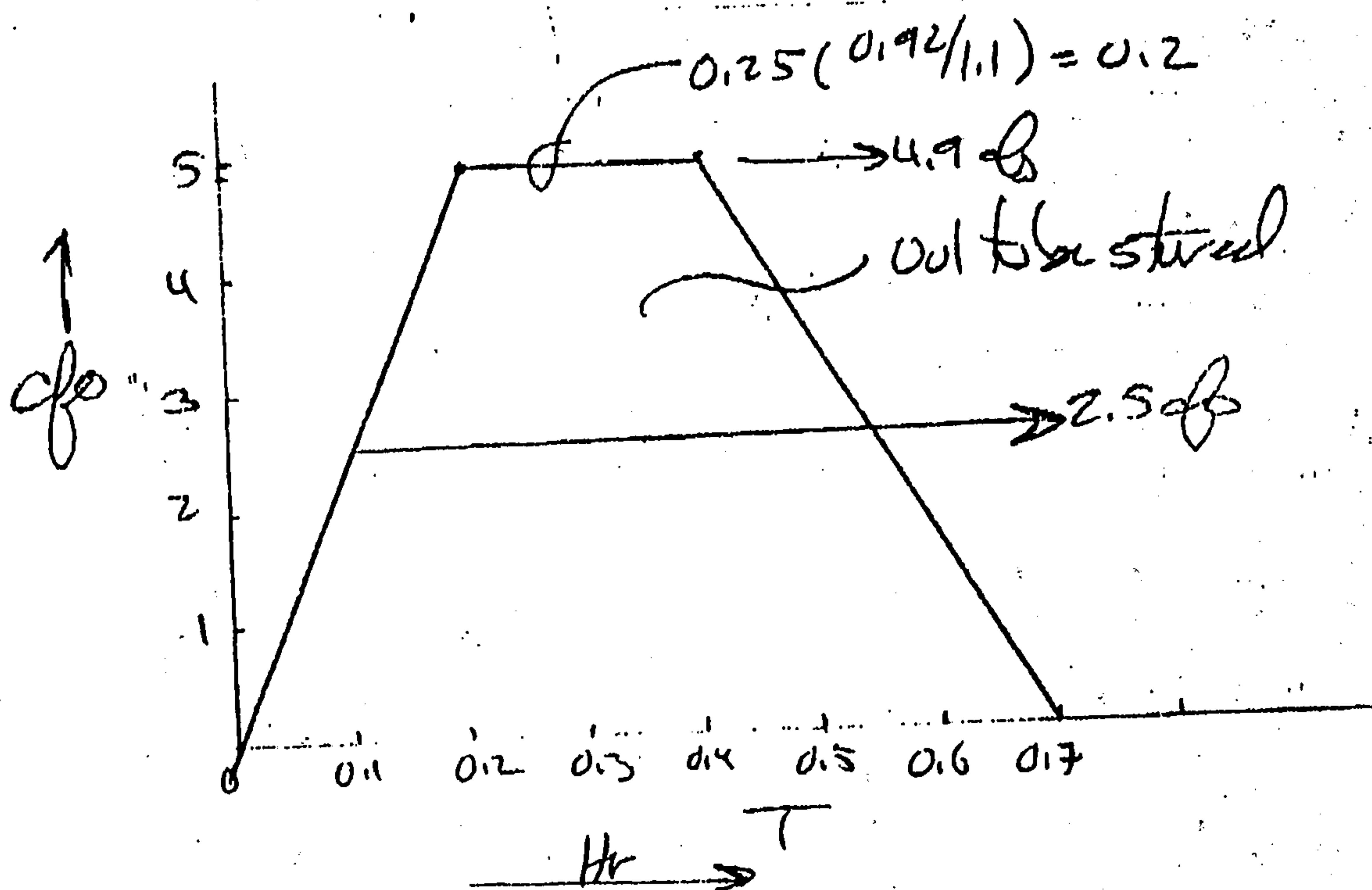
Depth.....	0.46 ft
Velocity.....	5.22 fps
Flow Area.....	1.28 sf
Flow Top Width...	5.54 ft
Wetted Perimeter.	5.62 ft
Critical Depth...	0.60 ft
Critical Slope...	0.0050 ft/ft
Froude Number....	1.92 (flow is Supercritical)

REQUIRED POND SIZE

The proposed pond located at the west end of the property is sized as follows:

	POND VOLUME CALC	AREA (SF)	VOLUME (CF)	
Area of contour	5097.0 =	1500	Σ 1975 Σ 1455	Existing Volume Provided:
	5098.0 =	2450		3430
	5098.5 =	3370		Total Volume Required:
				2800 cf (see separate calcs)

**Pond Elevation = 5098.3



$$t_p = 0.7(0.12) + \left(\frac{1.6 - 0.92/1.1}{12} \right) = 0.12$$

$$t_p = 2.07(1.93)(101/49) - 0.25(0.92/1.1) = 0.7$$

$$\text{Vol to be stored} = \frac{0.45 + 0.12}{2} (2.4) = 0.78 \times 3000 = 2340 \text{ ft}^3 \text{ to be stored}$$

Release pipe

$$Q = CA \sqrt{2gh} - \text{assume } h = 1.3 (?)$$

$$A = \frac{2.5}{0.6 \sqrt{83.7}} = 0.45 \text{ ft}^2 - \text{use } 1-9'' \text{ dia Pipe}$$

Buckley

Rectangular Channel Analysis & Design
Open Channel - Uniform flow

Worksheet Name:

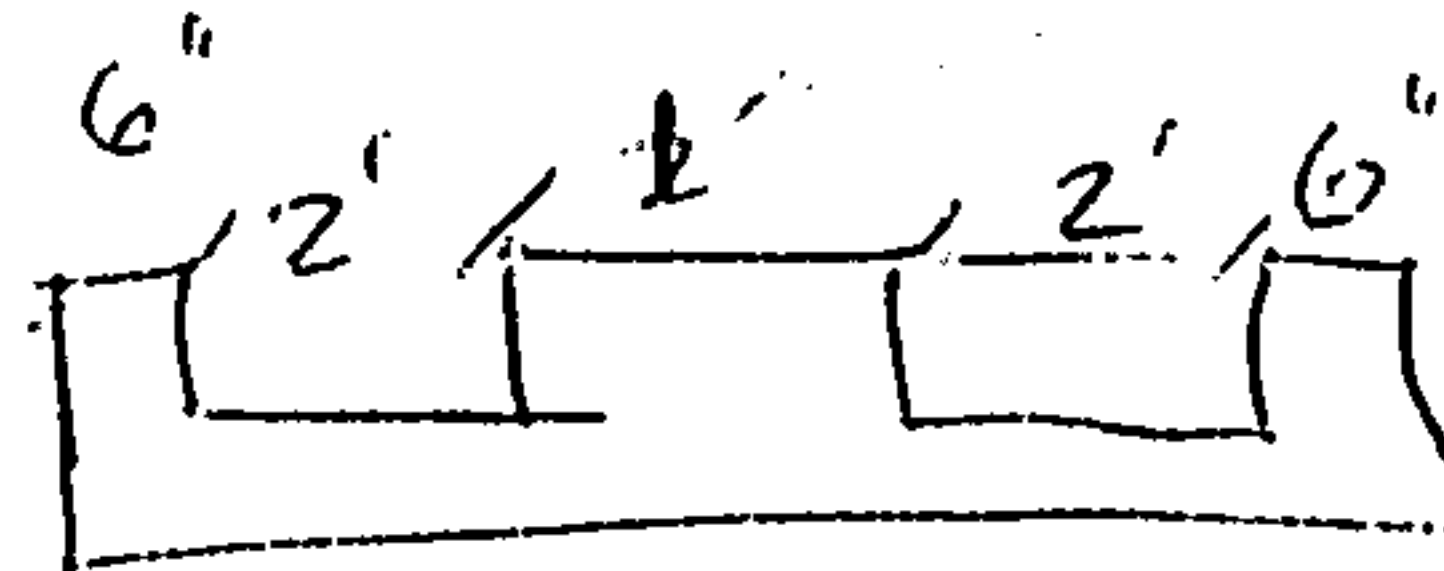
Concrete Open Channel

Comment:

Solve For Depth

Given Input Data:

Bottom Width.....	4.00 ft
Manning's n.....	0.013
Channel Slope....	0.0200 ft/ft
Discharge.....	6.68 cfs



Computed Results:

Depth.....	0.27 ft
Velocity.....	6.20 fps
Flow Area.....	1.08 sf
Flow Top Width...	4.00 ft
Wetted Perimeter.	4.54 ft
Critical Depth...	0.44 ft
Critical Slope...	0.0042 ft/ft
Froude Number....	2.10 (flow is Supercritical)

DRAINAGE INFORMATION SHEET

PROJECT TITLE: Washington St. NE - 3 Offices ZONE ATLAS / DRNG. FILE #: C-17
LEGAL DESCRIPTION: Tract B-1-A-7, Clifford Industrial Park, Albuquerque, NM
CITY ADDRESS: N/A

ENGINEERING FIRM: C.L. Weiss Engineering CONTACT: Chris Weiss

ADDRESS: P.O. Box 97, Sandia Park NM, 87047 PHONE: 281-1800

OWNER: N/A CONTACT: _____

ADDRESS: _____ PHONE: _____

ARCHITECT: Mr. Bill Buckley CONTACT: Mr. Bill Buckley

ADDRESS: N/A PHONE: (505) 521-4106

SURVEYOR: A&E Surveying Inc. CONTACT: John F. Esquibel

ADDRESS: 1330 San Pedro NE - Suite 208 87110 PHONE: 266-8791

CONTRACTOR FIRM: N/A CONTACT: _____

ADDRESS: _____ PHONE: _____

PRE-DESIGN MEETING:

☐ YES

☐ NO

☐ COPY OF CONFERENCE RECAP
SHEET PROVIDED

DRB NO. _____

EPC NO. _____

PROJ. NO. _____

TYPE OF SUBMITTAL:

☐ DRAINAGE REPORT

☒ DRAINAGE PLAN

☐ CONCEPTUAL GRADING & DRAINAGE PLAN

☒ GRADING PLAN

☐ EROSION CONTROL PLAN

☐ ENGINEER'S CERTIFICATION

CHECK TYPE OF APPROVAL SOUGHT:

☐ SKETCH PLAT

☐ PRELIMINARY PLAT

☐ SITE DEVELOPMENT PLAN

☐ FINAL PLAT

☐ BUILDING PERMIT

☐ FOUNDATION PERMIT

☐ CERT. OF OCCUPANCY

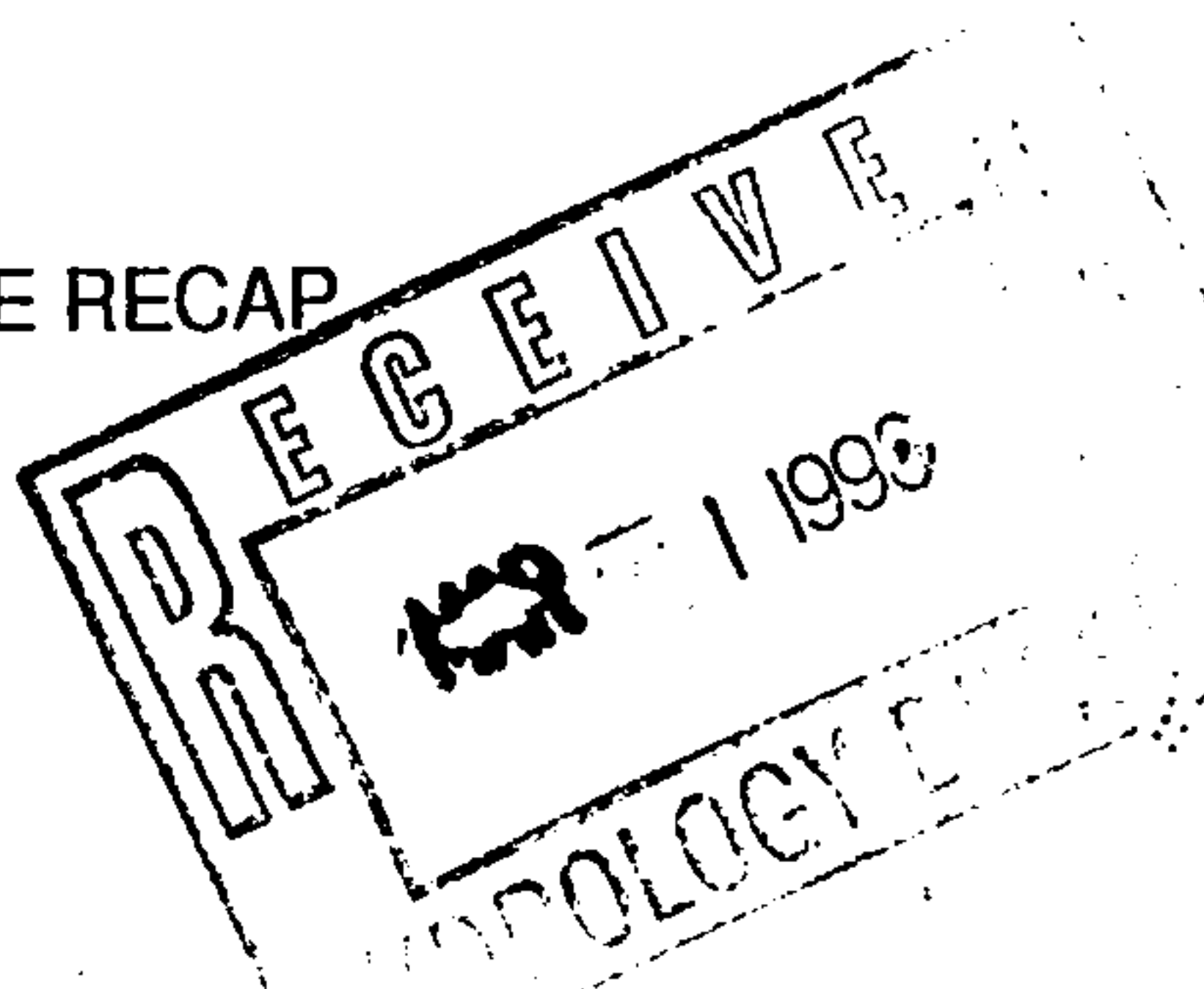
☐ ROUGH GRADING PERMIT

☐ GRADING / PAVING PERMIT

☒ OTHER REVISIONS

DATE SUBMITTED: February 29, 1996

BY: C.L. Weiss Engineering, Inc.



*Will take care
of these & CD
These revisions
were per met
request 3-1-96
LAM*



City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

December 6, 1995

Chris Weiss
C.L. Weiss Engineering, Inc
P. O. Box 97
Sandia Park, NM 87047

C-17/14 all 2.3 cfs/cap

**RE: WASHINGTON STREET NE - 3 OFFICES (C17-D1U9) DRAINAGE AND
GRADING PLAN FOR BUILDING PERMIT AND SO #19 APPROVAL.
ENGINEER'S STAMP DATED 12-4-95.**

Dear Mr. Weiss:

Based on the information provided on your December 6, 1995
submittal, the above referenced project is approved for Building
Permit and SO #19.

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

Sincerely,

Lisa Ann Manwill
Engineering Assoc./Hyd.

c: Arlene Portillo
Andrew Garcia
File

DRAINAGE INFORMATION SHEET

PROJECT TITLE: Washington St. NE - 3 Offices ZONE ATLAS / DRNG. FILE #: C-17/D149
LEGAL DESCRIPTION: Tract B-1-A-7, Clifford Industrial Park, Albuquerque, NM
CITY ADDRESS: N/A

ENGINEERING FIRM: C.L. Weiss Engineering CONTACT: Chris Weiss
ADDRESS: P.O. Box 97, Sandia Park NM, 87047 PHONE: 281-1800

OWNER: N/A CONTACT: _____
ADDRESS: _____ PHONE: _____

ARCHITECT: Mr. Bill Buckley CONTACT: Mr. Bill Buckley
ADDRESS: N/A PHONE: (505) 521-4106

SURVEYOR: A&E Surveying Inc. CONTACT: John F. Esquibel
ADDRESS: 1330 San Pedro NE - Suite 208 87110 PHONE: 266-8791

CONTRACTOR FIRM: N/A CONTACT: _____
ADDRESS: _____ PHONE: _____

PRE-DESIGN MEETING:

☐ YES
☐ NO
☐ COPY OF CONFERENCE RECAP
SHEET PROVIDED

DRB NO. _____
EPC NO. _____
PROJ. NO. C17-D1-U9

TYPE OF SUBMITTAL:

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

CHECK TYPE OF APPROVAL SOUGHT:

☐ SKETCH PLAT
☐ PRELIMINARY PLAT
☐ SITE DEVELOPMENT PLAN
☐ FINAL PLAT
☒ BUILDING PERMIT
☐ FOUNDATION PERMIT
☐ CERT. OF OCCUPANCY
☐ ROUGH GRADING PERMIT
☐ GRADING / PAVING PERMIT
☒ OTHER SD #19

DATE SUBMITTED: December 4, 1995 - RESUBMITTAL
BY: C.L. Weiss Engineering, Inc.

DEC 6 1995

HYDROLOGY



City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

November 20, 1995

Chris Weiss
C.L. Weiss Engineering, Inc
P. O. Box 97
Sandia Park, NM 87047

**RE: WASHINGTON STREET NE - 3 OFFICES (C17-D1U9) DRAINAGE AND
GRADING PLAN FOR BUILDING PERMIT APPROVAL. ENGINEER'S STAMP
DATED 11-9-95.**

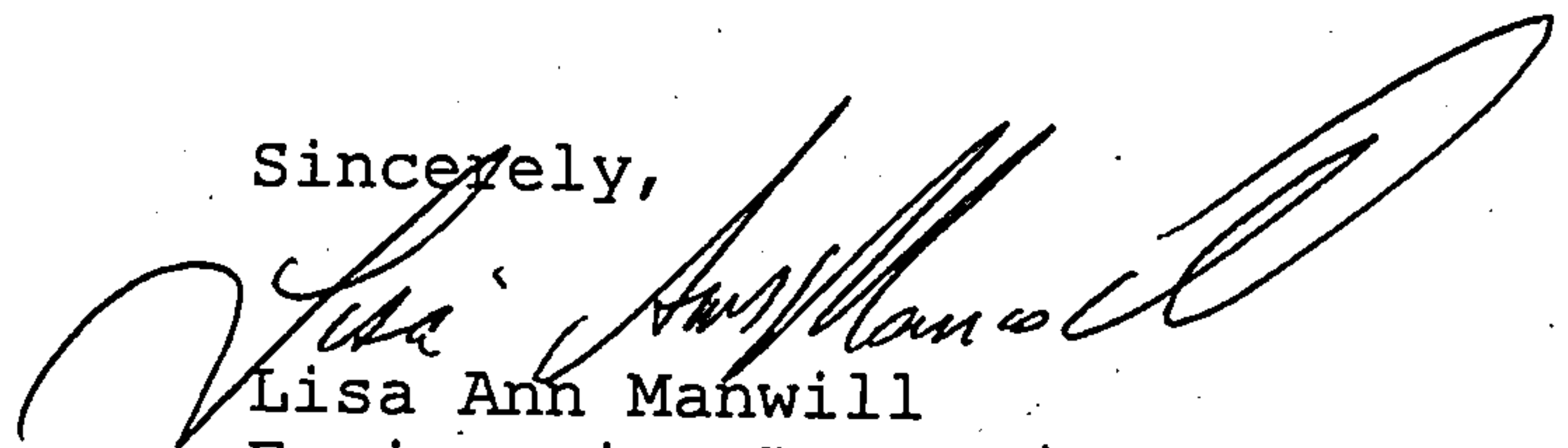
Dear Mr. Weiss:

Based on the information provided on your November 13, 1995
submittal, City Hydrology has the following comments:

1. Please address sediment control for the area between the proposed channel and the parking lot. An addition to note 12, mentioning "sediment control" would suffice.
2. You may want to consider moving the water blocks at each drive back (west). The slopes from the property line to the street are between 16% and 18%.

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

Sincerely,


Lisa Ann Mahwill
Engineering Assoc./Hyd.

c: Andrew Garcia

File

for LISA

DRAINAGE INFORMATION SHEET

PROJECT TITLE: Washington St. NE - 3 Offices ZONE ATLAS / DRNG. FILE #: C-17/D149

LEGAL DESCRIPTION: Tract B-1-A-7, Clifford Industrial Park, Albuquerque, NM

CITY ADDRESS: N/A

ENGINEERING FIRM: C.L. Weiss Engineering CONTACT: Chris Weiss

ADDRESS: P.O. Box 97, Sandia Park NM, 87047 PHONE: 281-1800 266-3444

OWNER: N/A CONTACT: _____

ADDRESS: _____ PHONE: _____

ARCHITECT: Mr. Bill Buckley CONTACT: Mr. Bill Buckley

ADDRESS: N/A PHONE: (505) 521-4106

SURVEYOR: A&E Surveying Inc. CONTACT: John F. Esquibel

ADDRESS: 1330 San Pedro NE - Suite 208 87110 PHONE: 266-8791

CONTRACTOR FIRM: N/A CONTACT: _____

ADDRESS: _____ PHONE: _____

PRE-DESIGN MEETING:

____ YES

____ NO

____ COPY OF CONFERENCE RECAP SHEET PROVIDED

DRB NO. _____

EPC NO. _____

PROJ. NO. _____

TYPE OF SUBMITTAL:

____ DRAINAGE REPORT

X DRAINAGE PLAN

____ CONCEPTUAL GRADING & DRAINAGE PLAN

X GRADING PLAN

____ EROSION CONTROL PLAN

____ ENGINEER'S CERTIFICATION

CHECK TYPE OF APPROVAL SOUGHT:

____ SKETCH PLAT

____ PRELIMINARY PLAT

____ SITE DEVELOPMENT PLAN

____ FINAL PLAT

X BUILDING PERMIT

____ FOUNDATION PERMIT

____ CERT. OF OCCUPANCY

____ ROUGH GRADING PERMIT

____ GRADING / PAVING PERMIT

____ OTHER _____

*Spoke to
Brian 12/11/95
No-Verbal.
He needs to
provide SW Culvert
& copy of Plat*

SUBMITTED: November 20, 1995 - RESUBMITTAL

C.L. Weiss Engineering, Inc.

