

**ENCROACHMENT PERMIT**

Walter Baer, the Owner of the property located at 5925 Havilland Lane in the City of Riverside, Assessors Parcel No. 190-132-033 hereby requests permission to construct and maintain the improvements within the public right of way of as shown on **EXHIBIT A** attached hereto.

Upon issuance of this permit, I agree to comply with the attached terms and conditions.

Date 8-6-97

BY: [Signature]

**ENCROACHMENT PERMIT APPROVAL**

This permit shall become effective upon the approval of the Departments listed below. Issuance of this permit shall not be construed as a waiver of any other applicable permit or requirement, and is only revocable permission to use the land for the purpose described.

- Public Utilities Water - Brian Simpson [Signature] 8/6/97
- Public Utilities Electric - Bill Mainord [Signature] 8/6/97
- Parks and Recreation - Bob Johnson [Signature] 8/6/97
- Planning - David Rivera [Signature] 8/6/97
- Fire Department [Signature] 8/6/97
- Public Works Traffic Department [Signature] 8/6/97

**APPLICANT:** Upon obtaining the above signatures, return this permit to the Public Works Department for final approval.

**FINAL APPROVAL**

Date 8/7/97

[Signature]  
Barry Beck Public Works Director

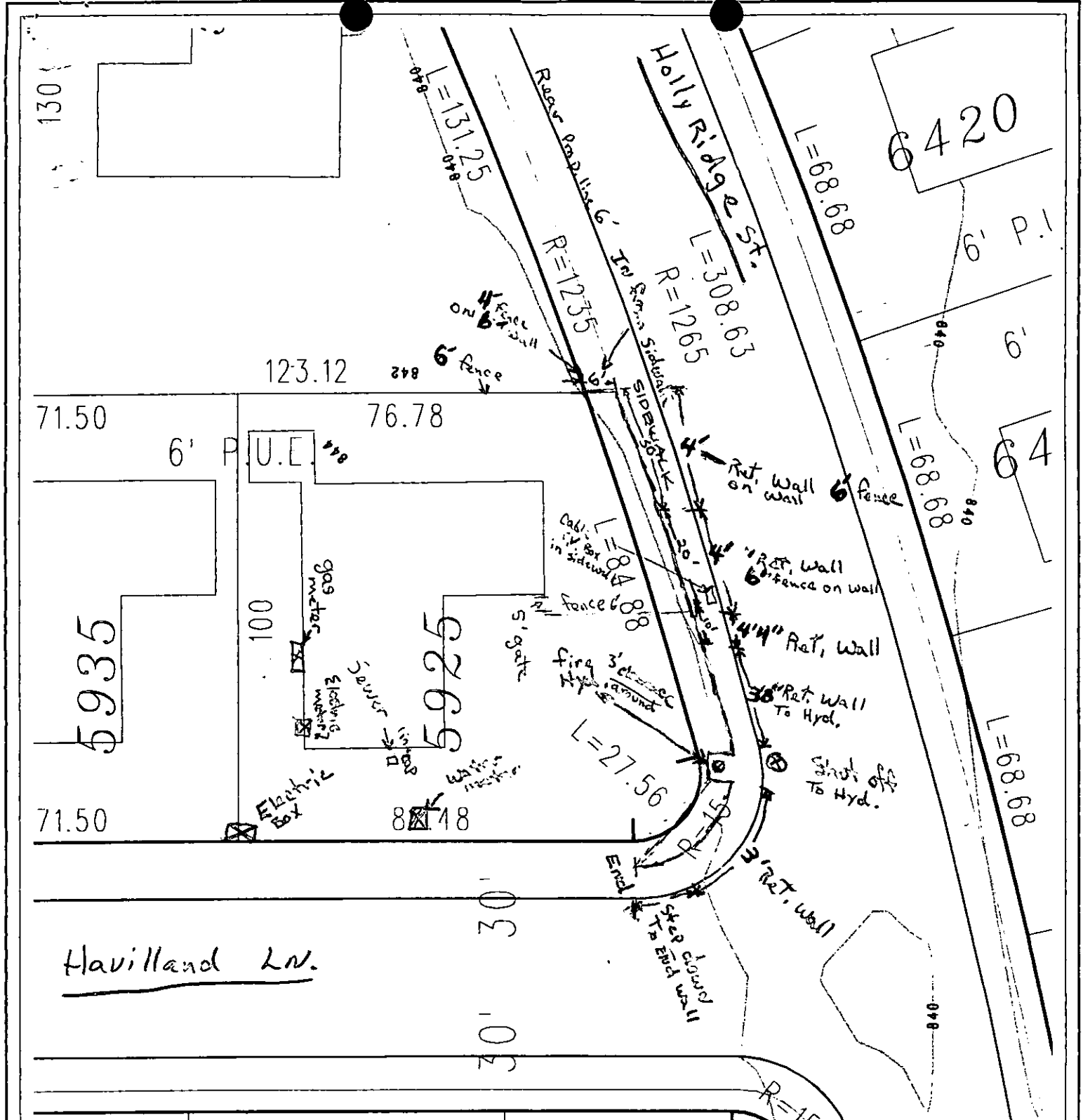
Encroachment Permit No. 1402

## TERMS AND CONDITIONS

The following terms and conditions apply to Encroachment Permit No. 1402.

1. Permittee acknowledges that the area of encroachment is owned or controlled by the City of Riverside.
2. Permittee acknowledges that the described property could be needed for a proposed or planned public improvement and the City may revoke this permit. Upon written notice of revocation, the permittee shall, within the time prescribed by the City, remove all improvements placed, constructed or maintained. If the permittee fails to abide by the removal order of the City, the City shall have the right to remove and destroy the improvements without reimbursement to the permittee. The cost of such removal shall be paid by the permittee to the City and shall constitute a debt owed to the City.
3. Permittee waives the right of claim, loss, damage or action against the City resulting from revocation, termination, removal of improvements or any action of the City, its officers, agents or employees taken in accordance with the terms herein.
4. If the Public Works Director of the City of Riverside finds that the permittee is in default of the terms of this permit, that shall be cause for revocation.
5. Permittee herewith agrees to hold the City of Riverside harmless from and against all claims demands, costs, losses, damages, injuries, actions for damages and/or injuries, and liability in connection with the construction, encroachment, and/or maintenance to be done by permittee within the described property.
6. Prior to any construction taking place on City controlled property, permittee shall obtain a Construction Permit or Street Opening Permit from the City Public Works Department.
7. The permittee agrees to insure that construction of their improvements will not interfere in any way with any existing City or utility facilities.
8. Permitted acknowledges that existing city or utility facilities will require future maintenance, reconstruction, and revisions and that facilities may be added, any of which may result in removal or alteration of the permittee's improvements without reimbursement to the permittee.
9. Prior to construction, permittee shall contact Underground Service Alert to field locate existing utility lines. Any conflicts discovered will void the permit until acceptable revisions are made.

Special Departmental Conditions Attached: N/A



Symbology	
	Structure Outline
	Curb face
	Edge of Pavement
	Unpaved Roadway
	Edge of Pavement / Berm
	Edge of Sidewalk
	Index Contour, Definite
	Intermediate Contour, Definite
	Index Depression Contour, Definite
	Intermediate Depression Contour, Definite
	Index Contour, Indefinite
	Intermediate Contour, Indefinite
	Index Depression Contour, Indefinite
	Intermediate Depression Contour, Indefinite
	ROW Line
	Parcel Line
	Assessor Parcel Line
	Project Limits Boundary
	Street Centerline
	Private Street Centerline
	Easement Line
	Restricted Access
	Easement Line

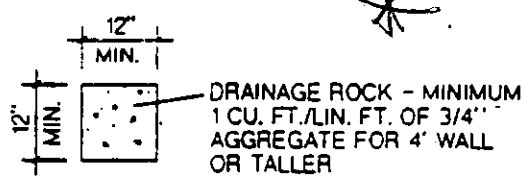
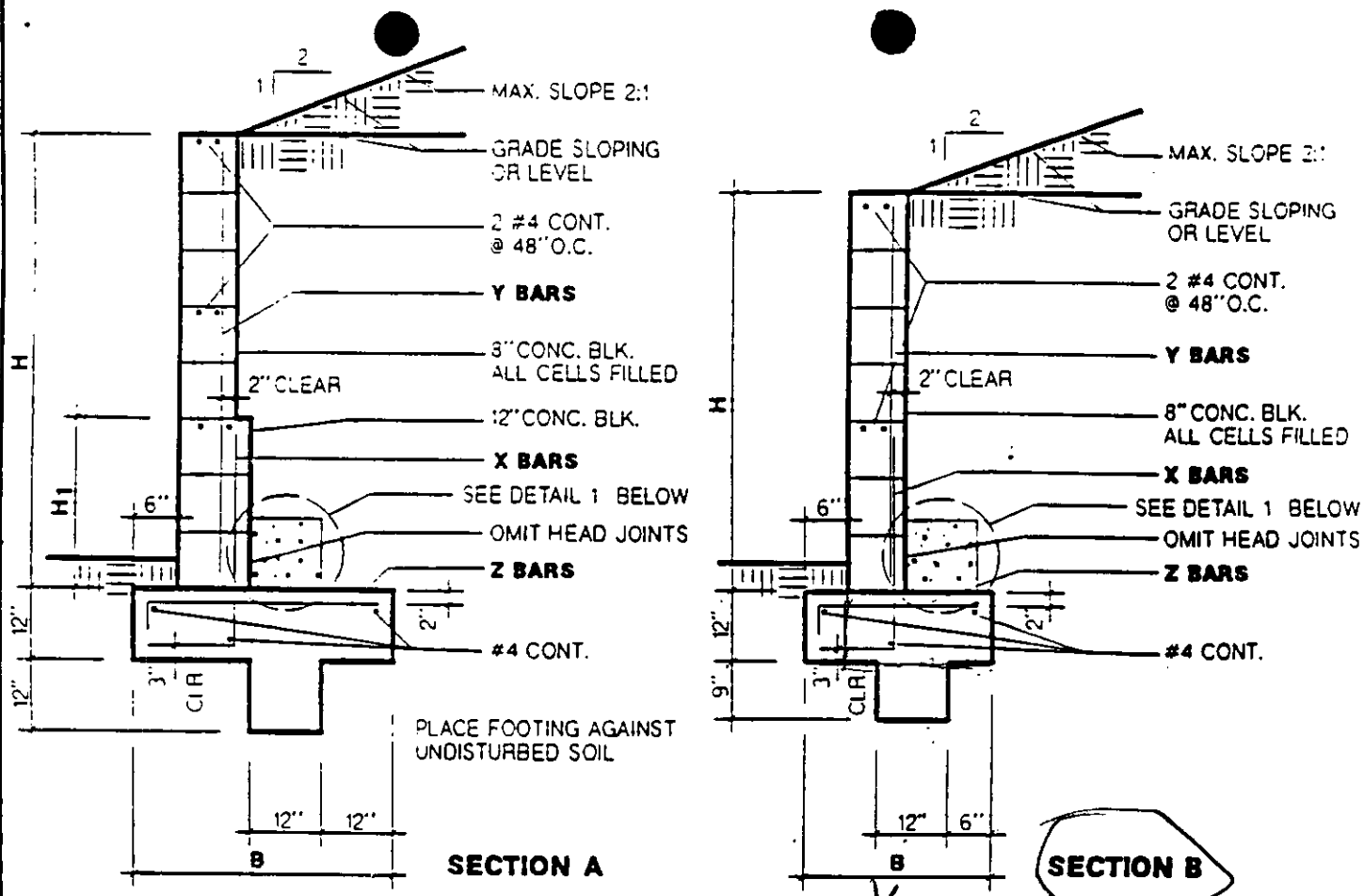
Map Produced on:  
July 18, 1997



1 inch = 30 feet

Actual photo taken on 4/19/98. The City of Livermore makes no warranty on the accuracy or content of the data shown on this map. This map shall not be reproduced or distributed without the written consent of the City of Livermore, California. Copyright 1997, City of Livermore, California. Printed by: W&L E&A

"RETAINING WALL"  
EXHIBIT "A"



**DETAIL 1 - DRAINAGE ROCK**

DESIGN DETAILS AND STEEL REQUIREMENTS	SECT.	H	H <sub>1</sub>	B	X BARS	Y BARS	Z BARS	EQUIVALENT FLUID PRESSURE	
									Grade sloping maximum 2:1 behind wall
= 43 psf/ft.	B	4' 8"	—	3' 0"	=4 @ 24"	=4 @ 32"	=4 @ 24"	= 43 psf/ft.	
	B	4' 0"	—	2' 8"	=4 @ 32"	=4 @ 32"	=4 @ 32"		
	B	3' 4"	—	2' 3"	=4 @ 32"	=4 @ 32"	=4 @ 32"		
	= 30 psf/ft.	A	6' 0"	2' 0"	3' 5"	=4 @ 24"	=4 @ 32"	=4 @ 18"	= 30 psf/ft.
		B	5' 4"	—	3' 0"	=4 @ 24"	=4 @ 32"	=4 @ 24"	
		B	4' 8"	—	2' 8"	=4 @ 32"	=4 @ 32"	=4 @ 32"	
		B	4' 0"	—	2' 2"	=4 @ 32"	=4 @ 32"	=4 @ 32"	
		B	3' 4"	—	1' 10"	=4 @ 32"	=4 @ 32"	=4 @ 32"	

- NOTES:**
- Concrete in footing to test 2000 lbs. per sq. in. at 28 days.
  - Concrete block: Grade 'N' units ASTM C-90. Grout: 1 part cement, 3 parts sand, 2 parts pea gravel. Mortar: 1 part cement, 1/2 part lime putty, 4-1/2 parts sand.
  - MAXIMUM STRESSES.  $f_s = 20,000$  psi;  $f_m = 250$  psi; Shear  $V = 16$  psi; Bond  $U = 100$  psi; Passive pressure = 300 psi. Coefficient of friction = 0.35.
  - 3" clearance required between rebar and earth.
  - Lap splice may be omitted and reinforcing made one piece from footing to top of wall.

**CITY OF RIVERSIDE  
BUILDING DIVISION  
STANDARD DETAIL**

**RETAINING WALL - 6" TOE**

