

275-5631

ENCROACHMENT PERMIT

(to be completed by applicant)

MARK J. DAVISON & MARGARET C. DODD-DAVISON the X Owners Lessee of the property located at 5305 VIA SAN JACINTO in the City of Riverside, Assessors Parcel No. 254-281-007 hereby requests permission to CONSTRUCT AND MAINTAIN A PRIVATE SWIMMING POOL & SPA WITH CONCRETE DECKING AND CONSTRUCT AND MAINTAIN A 6' HIGH CONCRETE BLOCK & WROUGHT IRON FENCE ENCROACHING A MAXIMUM OF 8' INTO

~~in~~ the public right of way of \_\_\_\_\_/or the SLOPE easement at the X rear/\_\_\_ side/\_\_\_ front of said property. The attached drawing shows the requested encroachment. Upon issuance of this permit, I agree to comply with the attached terms and conditions.

Date 2.22.96

Mark J. Davison  
Mark J. Davison for  
MARGARET C. DODD-DAVISON

F  
56.3

ENCROACHMENT PERMIT APPROVAL

(to be completed by City)

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, but is only revocable permission to use the land for the purpose described.

\_\_\_ Public Utilities Water \_\_\_\_\_

\_\_\_ Public Utilities Electric \_\_\_\_\_

\_\_\_ Planning \_\_\_\_\_

\_\_\_ Parks and Recreation \_\_\_\_\_

X (other) BUILDING Dan Chudy

\_\_\_ (other) \_\_\_\_\_

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

Date 3/1/96

Barry Bach  
Public Works Director

Encroachment Permit No. 1333

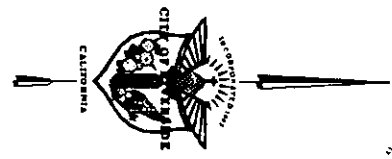
### TERMS AND CONDITIONS

The following indicated terms and conditions apply to encroachment permit no. E-1333.

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 City Council 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 existing City or utility facilities. The existing facilities will require future maintenance, reconstruction and revisions and facilities may be added, any of which may result in removal or alteration of the permittee's improvements without

reimbursement to the Permittee. 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.

8. July 27, 1965, the map of Tract 2880 was accepted by the City Council of the City of Riverside, California. The developer offered for dedication an easement for excavation slopes and embankment slopes designated as "slope easements" on said map of Tract 2880, as shown by map on file in Book 54, Pages 41 through 43 of Maps, records of Riverside County, California. Permittee holds title to Lot 21 of said Tract which is subject to said slope easement. Permittee understands and has read Section §806 of the Civil Code of the State of California and agrees that he may make use said Lot which use does not unreasonably interfere with the nature or enjoyment of said slope easement by the City of Riverside. Permittee further understands that the extent of the servitude is expressed by the terms of the grant and the City may not increase the burden on the servitude.
9. Permittee to provide Geotechnical report on soil stability and placement of proposed swimming pool and spa for Building Division review and approval prior to issuance of Encroachment Permit.
10. Prior to issuance of this Encroachment Permit, Permittee shall obtain the necessary permits from Building and Safety and obtain a Street Opening Permit from Public Works Department.



E-1333

1 inch = 30 feet

**Symbology**

- Structure Outline
- 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
- Parcel Line
- ROW Line
- Project Limits Boundary
- Street (centerline)
- Private Street Centerline
- Basement Line
- Restricted Access
- Essential Line

Map produced on:  
 February 21, 1996  
 Aerial photo taken in 1995 (AV9505). The City of Orange is not responsible for the accuracy or content of the information shown on this map. This map is a reproduction of a drawing created by the City of Orange, California, in 1995. Copyright 1995, City of Orange, California.



CHICAGO

50' EASEMENT

TOP OF SLOPE

PROPOSED BLOCK & WROUGHT IRON FENCE

PROPOSED ENCROACHMENT FOR POOL & SPA

TOP OF SLOPE

RESIDENCE

SPA

AC EQ

DRIVEWAY

VIA SAN JACINTO

NOT TO SCALE

E-1333

2012

NOTE

SCAL

DRAWING COORDS ELECTRICAL PUMP GAS METER F/PLATE

OWNER: PLEASE NO

A: WET DOWN CONCRETE SHELL DO NOT TURN ON POOL LIGHT DO NOT USE RUBBER HOSE W PLASTER B:

February 29, 1996

20938 CURRIER RD. - WALNUT, CA 91789  
(818) 964-3449 • (909) 594-7414 • FAX (909) 594-3853

Mr. Bill Malins  
Malins Pools  
5135 Edison Avenue, Suite 4  
Chino, California 91710

Subject: Proposed Swimming Pool  
Mark and Maggie Davison Residence  
5305 Via San Jacinto  
Riverside, California  
Job No.: 96-23

Dear Bill,

In accordance with your request this firm has performed a field inspection and subsurface exploration of the proposed swimming pool area and surrounding environs at the subject site and have secured a sample to determine the expansion index of the exposed subgrade soils.

The data reviewed during the preparation of this report consisted of the pool plan prepared by Malins Pools Construction, Inc.

According to the above referenced plan, the proposed pool area will be located in the rear yard, northeast of the existing residence.

The adjacent 30.0 ft. high,  $1\frac{1}{2}:1$  slope, which descends to Chicago Avenue on the west, is composed of weathered granitic bedrock with a thin (3') veneer of compacted fill at the top of the slope. The rear of the lot descends to the north approximately 8.0 feet to the adjacent lot pad and is composed of compacted fill.

The proposed pool will be constructed in the northwest portion of the rear yard, 5.0 to 8.0 feet off of the top of the west-facing slope and 5.0 to 14.0 feet from the top of the north-facing slope.

### Field Investigation

The subsurface soil conditions were explored by excavating two (2) engineering test holes within the area of the proposed swimming pool utilizing a 6.0 inch diameter, power-driven, earth auger to depths of 4.0 to 5.0 feet. Both relatively undisturbed and disturbed, bulk sampled of the typical soils encountered were recovered from the test holes to be subjected to laboratory testing and analysis.

The location of the test holes are shown on Figure No. 1, a reduction of the Malins Pools plan.

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A continuous log of each test hole was kept in the field at the time of excavation. These test hole logs, reflecting the condition and classification of each soil strata encountered, are attached to this report as Figure Nos. 2 and 3.

### Laboratory Investigation

In-situ moisture and dry density determinations were performed on the undisturbed samples and the results of these determinations are shown on the appropriate test hole log at the depth sampled. Also shown are the results of calculations made to determine the relative compaction of the samples compared to the maximum density determined in accordance with ASTM test method D1557-90T.

The results of the expansion test, performed in accordance with the U.B.C. test standard 29-2, are as follows:

<u>Soil Type</u>	<u>Max. Den.</u>	<u>Opt. Moist.</u>	<u>Expan. Index</u>
Gravelly sand (DG)	136.0 PCF	6.3%	2

### Conclusions and Recommendations

Construction of the proposed swimming pool is considered to be feasible from a geotechnical engineering standpoint, based on the implementation and incorporation of the recommendations which follow into the proposed pool design and construction.

The soils are considered to have a very lowly expansion potential.

It is therefore recommended that the pool design and concrete flatwork incorporate appropriate structural reinforcement and increased thickness, as deemed necessary by the structural engineer, to minimize the affects of this condition.

With a determined expansion index of 2 for the soils supporting the proposed pool, it is recommended that the structural design accommodate lateral earth pressures equivalent to a fluid with a density of 30 p.c.f.

The fine grained and dense nature of the compacted fill and bedrock soils on the site and the relatively great depth to a known water table, make the potential for liquefaction of the onsite soils very remote.

Considering the amount of available space, required setbacks and surcharges, it is the opinion of this firm that the pool is located accordingly.



Any portion of the pool that will be located closer than 7.0 feet from the top of an adjacent descending slopes shall be designed as a free standing unit, not deriving any lateral support from the adjacent soils.

It is anticipated that the bottom of the excavation for the proposed swimming pool will be entirely situated in the underlying weathered granitic bedrock. Should the bottom of the excavation, especially along the north wall, expose previous fill materials, it is recommended that a foundation be extended to a depth of 12.0 inches into the underlying bedrock under the affected portion of the wall in order to eliminate any potential cut/fill transition condition.

Any proposed subsurface drain pipe shall extend through the curb to the street for outlet into the gutter. Other than the excavation of the pool itself, no other significant grading is planned for the site development.

No stability fills are known to exist on the site or will be affected by the proposed pool construction.

The recommended geotechnical design values were determined by converting the expansion index to an anticipated lateral earth pressure or equivalent fluid pressure, to be used by the structural engineer in the design of the pool.

Any proposed retaining walls to be constructed on the site shall be designed for the following soil strength parameters:

Bearing Value:	2000 p.s.f.
Lateral Value:	200 psf/ft. of depth to 2000 p.s.f. max.
Coefficient of friction:	0.35
Equivalent Fluid Pressure	30 p.c.f. Level; 55 p.c.f. 1½:1 slope

This firm shall inspect and approved the swimming pool excavation prior to placing any reinforcing steel or plumbing, in order to verify the anticipated soils conditions.

It is the opinion of this firm that, once the pool construction is completed and the surface drainage re-established and properly maintained, the finished product will not have an adverse affect on the subject site or adjacent properties.

Should you have any questions with regard to this report or the recommendations contained herein, please contact this office.

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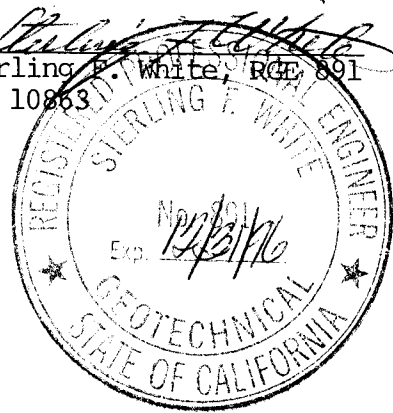
Respectfully submitted,

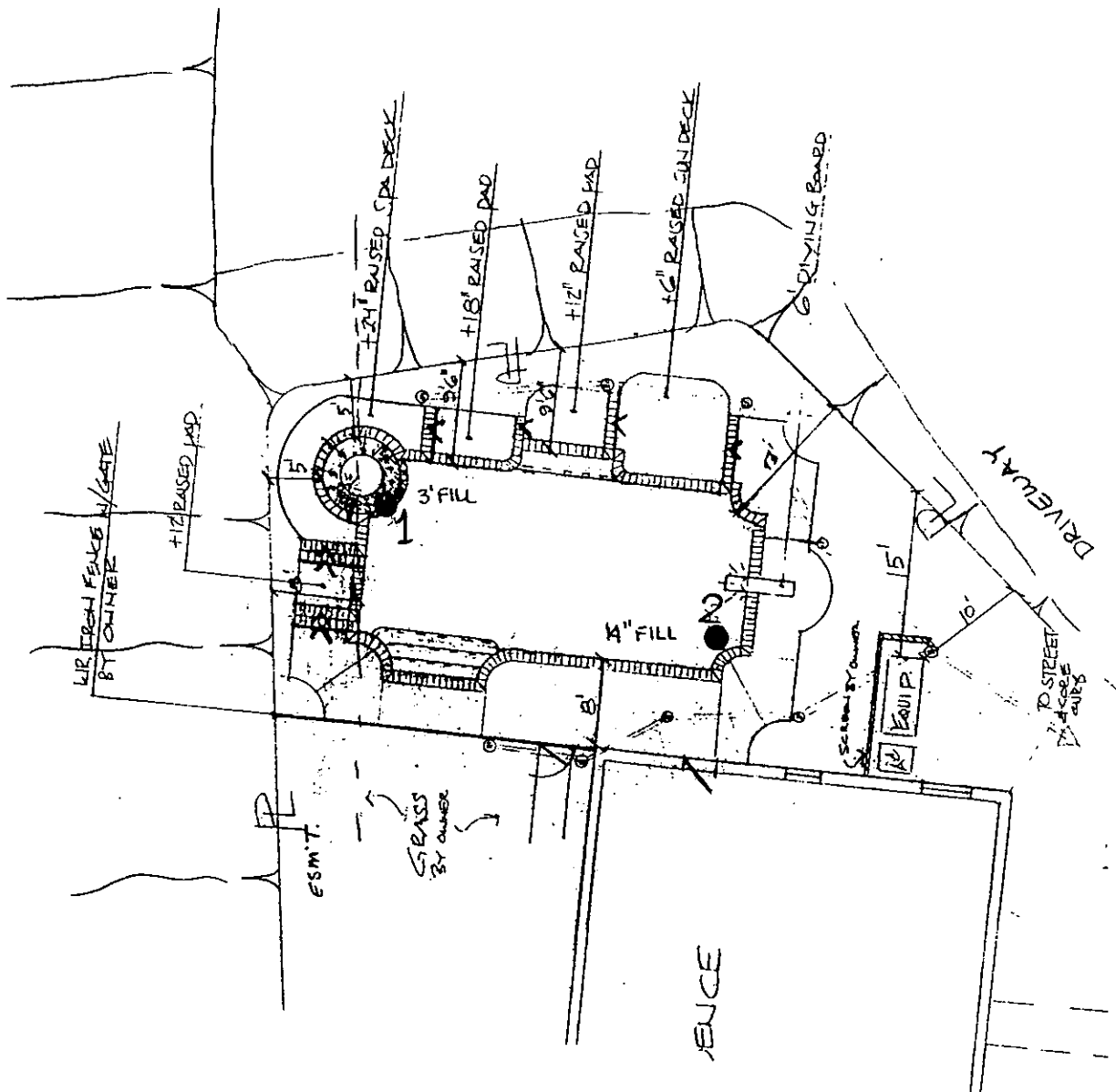
DUCO ENGINEERING, INC.

*Harvey Dufrenne*  
Harvey Dufrenne

Approved by,

*Sterling F. White*  
Sterling F. White, RCE 891  
RCE 10853





**DUCO ENGINEERING**

20938 CURRIER ROAD • WALNUT, CALIFORNIA 91789



LOCATION OF TEST HOLE

2

SCALE 1" = 16'  
 JOB NO. 96-23  
 FIGURE NO. 1

# DUCO Engineering, Inc.

Date Drilled 2-26-96

LOG OF BORING NO. 1

JOB NUMBER 96-23

Depth In Feet	SAMPLES	BLOW COUNT	SOIL TYPE	DRY DENSITY Lb./Cu. Ft.	FIELD MOIST % Dry Weight	COMPACTION %	FIELD CLASSIFICATION	ELEVATION:
0							Fill-Gravelly coarse to fine sand-gray & light brown-firm-moist	
1	45	A	115.8	7.3	85.1			
5	2	70	A	127.0	7.4	93.4	Nat.-Weathered granite-gravelly coarse to fine sand-dark gray-dense-damp	
10								
15								
20								
25								

FIGURE NO. 2

E-1333

# DUCO Engineering, Inc.

Date Drilled 2-26-96

LOG OF BORING NO. 2

JOB NUMBER 96-23

Depth In Feet	SAMPLES	BLOW COUNT	SOIL TYPE	DRY DENSITY Lb./Cu. Ft.	FIELD MOIST % Dry Weight	COMPACTION %	FIELD CLASSIFICATION	ELEVATION:
0							Fill-6" landscape topsoil-Fill-Gravelly crse. to med. sand-gray & light brown-firm-moist	
1	30	A	122.3	8.0	90.0		Nat.-Weathered granite-gravelly coarse to fine sand-dark gray-dense to very dense-damp	
5								
10								
15								
20								
25								

FIGURE NO. 3

E-1333