CITY OF SACRAMENTO

1231 I Street, Sacramento, CA 95814

Permit No: 0109746
Insp Area: 2
Thos Bros: 336J3

Site Address: 33 STILL HARBOR CT SAC
Parcel No: 031-1350-011

Sub-Type: NSFR
Housing (Y/N): N

CONTRACTOR
MIKE CHEN
3000 ARDEN WY #1
SAC CA

OWNER
CHU
33 STILL HARBOR CT
SACRAMENTO CA 95831

ARCHITECT

Nature of Work: 2-STRY NSFR - 3521 SF LVNG(1872 1ST, 1649 2ND), 655 SF ATTCHD GAR, 73 SF CVRD PRCH, 64 SF 2ND FLR DECKS(BALCONIES)

CONSTRUCTION LENDING AGENCY : I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C).

Lender's Name _____ Lender'sAddress _____

LICENSED CONTRACTORS DECLARATION: I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 (commencing with section 7000) of Division 3 of the Business and Professions Code and my license is in full force and effect.

License Class B License Number 539543 Date 10-9-01 Contractor Signature _____

OWNER-BUILDER DECLARATION: I hereby affirm under penalty of perjury that I am exempt from the contractors License Law for the following reason (Sec. 7031.5, Business and Professions Code; any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law (Chapter 9 (commencing with Section 7000) of Division 8 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500.00);

_____ I, as a owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professional Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or herself or through his/her own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he/she did not build or improve for the purpose of sale.)

_____ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractors License Law).

_____ I am exempt under Sec. _____ B & PC for this reason: _____

Date _____ Owner Signature _____

IN ISSUING THIS BUILDING PERMIT, the applicant represents, and the city relies on the representation of the applicant, that the applicant verified all measurements and locations shown on the application or accompanying drawings and that the improvement to be constructed does not violate any law or private agreement relating to permissible or prohibited locations for such improvements. This building permit does not authorize any illegal location of any improvement or the violation of any private agreement relating to location of improvements.

I certify that I have read this application and state that all information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction and herby authorize representative(s) of this city to enter upon the abovementioned property for inspection purposes.

Date 10-9-01 Applicant/Agent Signature _____

WORKER'S COMPENSATION DECLARATION: I hereby affirm under penalty of perjury one of the following declarations:
_____ I have and will maintain a certificate of consent to self-insure for workers' compensation as provided for by Section 3700 of the Labor Code, for the performance of work for which the permit is issued.

_____ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier Policy Number Exp Date

X (This section need not be completed if the permit is for $100 or less) I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date 10-9-01 Applicant Signature _____

WARNING: FAILURE TO SECURE WORKER'S COMPENSATION COVERAGE IS UNLAWFUL AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000) IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST AND ATTORNEY'S FEE.

THIS PERMIT SHALL EXPIRE BY LIMITATION IF WORK IS NOT COMMENCED WITHIN 180 DAYS.

Date of Request: 7-31-01
By: _____

CITY OF SACRAMENTO DEVELOPMENT SERVICES DIVISION
PLANNING AND ZONING INFORMATION REQUEST

X Project Address: 33 STILL HARBOR CT., SACRAMENTO

Assessor's Parcel Number: 031-1350-011

Previous Use: _____

X Description of Request/Proposed Use: CONSTRUCT A 3461 SQ. FT SGL. FAMILY HOME

Is This a Change of Use? _____

Zoning Designation: R-1 (PUD)

Prior Applications for Project Site(P#, Z#, DRPB#): _____

Comments: OKAY - NO Planning Issues

Are There Any Planning Issues?: (circle one) YES (NO)

* Staff Site Plan Check Required? (Circle one) YES (NO)
* Field Inspection Required? (Circle one) YES (NO)
* Design Review/Preservation Required?: (Circle one) YES (NO)

Planning Review by/Date: [signature] 31 Jul 01

A list of items that must be reviewed by Planning is provided on the reverse side of this form.

MICROFILM AFTER FINAL

Revised 3/31/99

Certification of Compliance
School District Mitigation Fee

(Print or Type) If Printing, press hard for four copies

PART I *To be completed by the APPLICANT (BUILDER OR OWNER) (DO NOT COMPLETE)*

OWNER'S NAME DAVID J CALLO CHU

OWNER'S ADDRESS ~~32 Stillharbor~~ 800 Still Breeze Way

PROJECT ADDRESS 32 Stillharbor

PARCEL NUMBER 031-135D-011 LOT NO. _____

SUBDIVISION NAME _____

NUMBER OF UNITS _____

Upon payment of the fees listed below, a 90-day approval period commences upon which the applicant paying the fees may protest such fees. Any failure to file such protest within the 90-day period shall result in forfeiture of any rights to challenge such fees, through litigation or otherwise.

APPLICANT'S SIGNATURE _____

TITLE OF APPLICANT CONTRACTOR

DATE 10-8-01 PHONE NUMBER (916) 482-5550

PART II *To be completed by BUILDING DEPARTMENT*

PLAN IDENTIFICATION NUMBER 01-9746

BUILDING TYPE

RESIDENTIAL (X) APARTMENT/CONDOMINIUM ( ) COMMERCIAL/INDUSTRIAL ( )

SQUARE FEET OF CHARGEABLE BUILDING AREA 3510 sq. ft.

SIGNATURE _____

TITLE Counter Manager DATE 10-8-01

PART III *To be completed by SCHOOL DISTRICT*

SCHOOL DISTRICT _____

DISTRICT CERTIFICATION NO. _____

EXEMPT _____ COMMENTS _____

RESIDENTIAL/APT/CONDO _____ SQ FT X $ 1.12 = $ _____

COMMERCIAL/INDUSTRIAL _____ SQ FT X $ _____ = $ _____

OTHER FEE _____ TYPE _____ SQ FT X $ _____ = $ _____

TOTAL FEES COLLECTED _____ = $ 5168.20

This Certification covers only the amount of square footage indicated above. Any additions or corrections to the square footage for this project will require an amendment to the Certificate of Compliance.

As the authorized school district official, I hereby certify that the requirements of Government Code Section 65995 and any other authorized requirements have been complied with by the above signed applicant.

AUTHORIZED SCHOOL DISTRICT OFFICIAL

SIGNATURE _____

TITLE _____ DATE 10/9/01

Original: School District 1st copy: School District 2nd copy: Building Department 3rd copy: Applicant

Revised 12/12/96

P.C.# 0109746

Department of Planning and Development
Building Inspection Division

Grading and Erosion Control Questionaire

To be completed for all residential new construction and additions

PART I (To be completed by applicant)

Site Address 33 STILL HARBOR CT A.P.N. 031-1350-011

Applicant Information
Name MIKE CHEN
Address 3000 ARDEN WAY, #1
SACRAMENTO CA 95825
Phone (916) 482-5550

Project Information (Check One)
Single Family Dwelling ✓
Duplex
Triplex
Deep Lot Development

PART II (To be completed by the applicant when the project is not a part of a larger subdivision)

Are there existing structures on site?	☐ Y	☒ N
Does the site front on a paved road?	☒ Y	☐ N *
Is the site higher than the crown of adjacent road?	☒ Y	☐ N *
Is the proposed building site higher than the back of the sidewalk or curb?	☒ Y	☐ N *

Describe existing frontage improvements along road.
☐ Ditch * ☒ Curb and Gutter ☐ Curb, Gutter, and Sidewalk

The direction of drainage on this site is:
☐ Front to Rear * ☒ Rear to Front ☐ Side to Side *

Does an adjacent site drain across this parcel?	☐ Y *	☐ N
Does this site have an existing low area or drainage swale?	☐ Y *	☒ N
Will construction require cut or fill on site? (* >50FT3 or >2FT)	☐ Y	☒ N

- How much cut? _____ Yards _____ Depth
- How much fill? _____ Yards _____ Depth

Has building site been previously been filled?	☐ Y *	☒ N
Will existing drainage be re-routed?	☐ Y *	☒ N
Do you plan to construct or modify culverts or drainage ditches?	☐ Y *	☒ N

Print Name MIKE T.J. CHEN Title CONTRACTOR

Signature T.J. Chen Date 10-9-01
Owner or Contractor

PART III (To be completed by staff)

What is the acreage of the parcel to be built on? 0.22 Acres.

If greater than 1/2 acre has an approved erosion and sediment control plan been provided?	☐ Y	☒ N
If greater than 5 acres has the applicant provided a copy of the State General Permit NOI and the SWPPP?	☐ Y	☒ N
Is the parcel to be built on part of a larger subdivision?	☐ Y	☒ N
Subdivision Name: _____		
If yes has an approved erosion and sediment control plan been provided?	☐ Y	☒ N
If the original subdivision is greater than 5 acres has the applicant provided a copy of the State General Permit NOI and the SWPPP?	☐ Y	☒ N
Is grading and drainage approval required prior to permit issuance?	☐ Y	☒ N

Approved by: _____ Date: 10/9/01

Building permit #: 0109746 R

White Copy - Permit Jacket
Yellow - Utilities
Pink - Bldg. Div.

infgrdg.wk1

MICROFILM THIS DOCUMENT

PRELIMINARY SOIL REPORT
STILLWATER AT RIVERLAKE
Pocket Area
Sacramento, California
WVK No. 87-204

Prepared,
July, 1987

Wallace·Van Alstine & Kuhl

PRELIMINARY SOIL REPORT
STILLWATER AT RIVERLAKE
Pocket Area
Sacramento, California
WVK No. 87-204
July 20, 1987

INTRODUCTION

General

An investigation of soil conditions has been completed at the site of the proposed Stillwater at Riverlake Subdivision, located along the northshore of the south Pocket Area lake and south of Rush River Drive in the area commonly known as the Pocket Area of Sacramento, California. The proposed subdivision will consist of 107 single-family residential lots. The purposes of this investigation have been to gain information on the nature, distribution, and engineering characteristics of the native soil; and to provide geotechnical recommendations for site preparation, foundation design and floor support for one- or two-story wood-frame residential dwellings.

The scope of our work included the drilling of four borings to a maximum depth of 13 feet below existing grade; sampling of the subgrade soils encountered at the boring locations; laboratory testing conducted on selected soil samples; engineering analysis and the preparation of this report.

This report presents the results of our investigation, including descriptions of site, soil and ground water conditions, conclusions pertaining to bearing capacity and expansive soil conditions, and recommendations for site grading and foundation and floor support.

Locations of the test borings drilled on the site are shown on Plate No. 1. The logs of the borings and results of laboratory tests are presented on Plates No. 2 and 3. A boring legend which explains the terminology used on the logs, is contained on Plate No. 4. Appended are earthwork specifications for use in site grading of building pad areas.

Structures

It is anticipated that the proposed construction will consist of one- and two-story wood-frame, single-family dwellings with concrete slab-on-grade, conventional wood, or combination lower floors. Building loads typical of oridinary residential construction are anticipated.

SUMMARY OF FINDINGS

Site Description

The subject property consists of land which was previously used for agricultural purposes. At the time of our field review, no existing man-made construction was apparent. The topography of the site is essentially level due to previous earthwork operations accomplished during construction of the South Pocket Lake.

Soil Conditions

The borings revealed that surface soils over the majority of the property consist of about 1 to 2-1/2 feet of existing man-made fill. The fill consists of stiff native silty clays and clayey silts and is underlain by soft to medium firm clayey and sandy silts and loose sands. Below the surface soils loose clayey sands and firm sandy clays and silts were present to the maximum 13 foot depth of exploration.

Ground Water and Seepage

Each test boring was checked for ground water at the completion of drilling. Free ground water was encountered at the borings at depths of approximately 7 to 8 feet.

Based on our previous experience in the vicinity, it is considered likely that ground water levels will rise dramatically during prolonged periods of high river stage. However, our previous work on projects nearby indicates surficial ground water seepage is not considered likely within the limits of this project. On this basis, we conclude that design, construction and performance of the proposed building foundations and floor systems should not be affected by the presence of the ground water table. Utility trenches, swimming pools and other

excavations extending to depths greater than four feet below lowest grades existing at the time of our field investigation, may encounter free ground water conditions which will vary with seasonal higher water levels.

Seasonal Water

During the wet season, infiltrating surface runoff water will create a saturated surface condition. Grading operations attempted following the on-set of winter rains and prior to prolonged drying periods during the spring will be hampered by high soil moisture contents. Such soils intended for use as engineered fill, will require considerable aeration to reach a moisture content that will permit the specified degree of compaction to be achieved.

CONCLUSIONS

Bearing Capacity

The field and laboratory test data show that the undisturbed natural surface and near-surface soils and existing man-made fills encountered by the borings are capable of supporting the anticipated residential loads. Our work also indicates that engineered fill processed, placed and compacted in accordance with the recommendations of this report will be capable of sustaining structural loads typical of this kind of residential construction.

Soils Expansion Potential

Surface and near-surface silty clays and clayey silts are medium to high plasticity materials considered to have moderate to high expansion potential. Special moisture preparation of subgrades for support of concrete slab-on-grade floors is considered necessary.

RECOMMENDATIONS

Site Preparation

Vegetation, including tree root sytems, as well as any existing surface and subsurface structures should be removed and the resulting disturbed areas cleaned out to firm undisturbed ground

and backfilled in accordance with the recommendations of this report. Soil surfaces designated to receive engineered fill should be scarified and moisture conditioned as set forth in the appended earthwork specifications. The minimum degree of compaction for engineered fill within building pad areas should be eighty-five percent (85%) of the ASTM D1557-78 maximum dry density at moisture contents at least four percent (4%) over optimum. Final building pad subgrades should be firmly compacted at a moisture content at least four percent (4%) over optimum regardless of whether final subgrade is achieved by filling, excavation or is left at existing grade. Permanent excavation and embankment slopes should be no steeper than two horizontal to one vertical.

Foundation Design

The proposed structures may be supported upon continuous and isolated spread foundations based in undisturbed or recompacted natural ground, engineered fill constructed as recommended above or a combination of those materials. Foundations may be sized utilizing maximum allowable soil pressures of 1000 pounds per square foot for dead plus live load or 1350 pounds per square foot for total load, including the effects of either wind or seismic forces. Minimum foundation dimensions of 12 inches wide and 12 inches below the lowest surrounding grade should be used for either single or two-story structures. Minimum foundation reinforcement should consist of two No. 4 bars, one each top and bottom. Weight of foundation concrete below grade may be disregarded in sizing computations.

Floor Slab Support

Concrete slab-on-grade floors may be supported upon building pads prepared as recommended above. Minimum concrete reinforcement should consist of 6" x 6"/#10 x #10 welded wire mesh located at mid-slab depth. Concrete floor slabs should be constructed upon a minimum four inch thick layer of free-draining gravel, serving as a capillary moisture barrier. Gradation of this material should be such that 100% passes a one-inch sieve and none passes a No. 4 sieve. Additional moisture vapor protection should be provided by placing a sheet of plastic membrane directly over the gravel. A one-inch layer of clean sand over the membrane will aid in proper curing of the slab concrete.

Immediately prior to placement of floor slab concrete, soil subgrades to a depth of at least 12 inches should be in a near-saturated moisture condition. This can be accomplished by

Wallace Van Alstine & Kuhl

liberal watering or flooding after placement of base rock, membrane, sand and wire mesh. It is essential that our office be notified to check subgrade moisture conditioning within 48 hours of floor slab concrete placement.

LIMITATIONS

Our recommendations are based upon the information provided regarding the proposed construction, combined with our analysis of site conditions revealed by the field exploration and laboratory testing programs accomplished. If the proposed construction is modified or resited, or if it is found during construction that subsurface conditions differ from those we have encountered, we should be afforded the opportunity to review the new information or changed conditions to determine whether our previous recommendations should be modified.

We emphasize that this report is applicable only to the proposed construction and the investigated site. This report should not be utilized for construction on any other site.

Wallace, Van Alstine & Kuhl

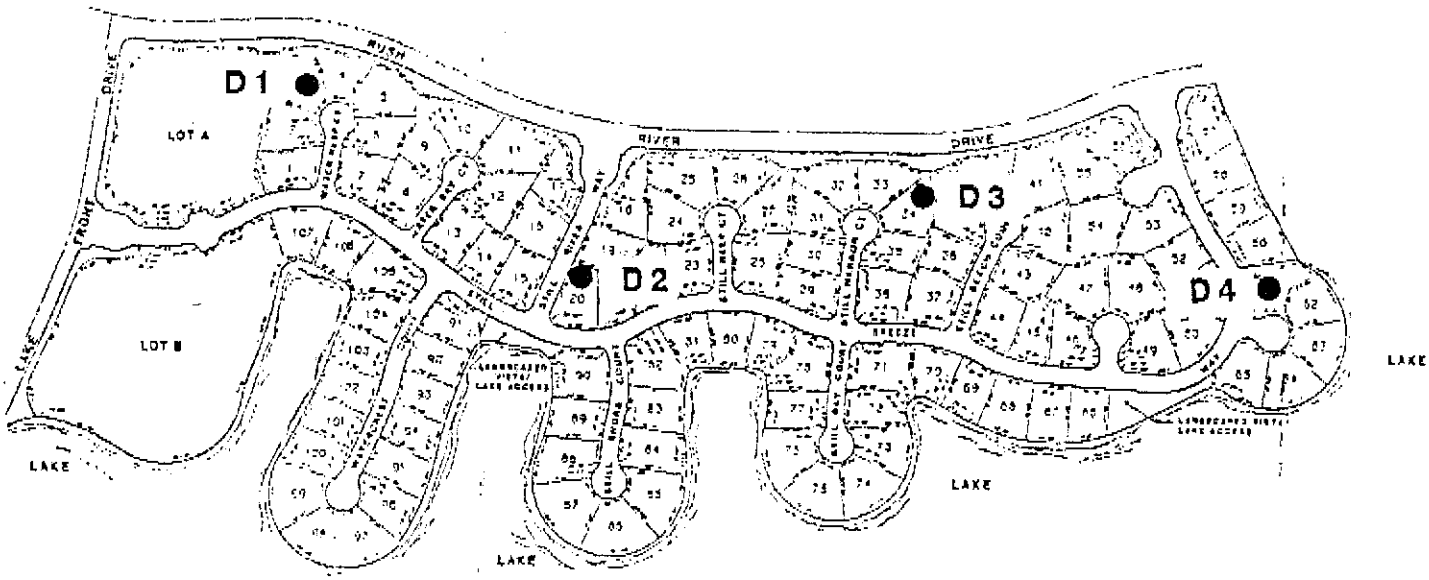
Douglas J. Kuhl
R.C.E. 22270

REGISTERED PROFESSIONAL ENGINEER
DOUGLAS J. KUHL
No. 22,270
Exp. 9/30/89
CIVIL
STATE OF CALIFORNIA

DJK:dd

xc: (5)
(2) The Spink Corporation

100732



Scale - feet

0 125 250 500

NOTES:

1) Adapted from a 1" = 100' scale Site Plan by The Spink Corporation, dated May, 1987.

2) All boring locations are approximate.

STILLWATER AT RIVERLAKE

Pocket Area

Sacramento, California

Wallace·Van Alstine & Kuhl

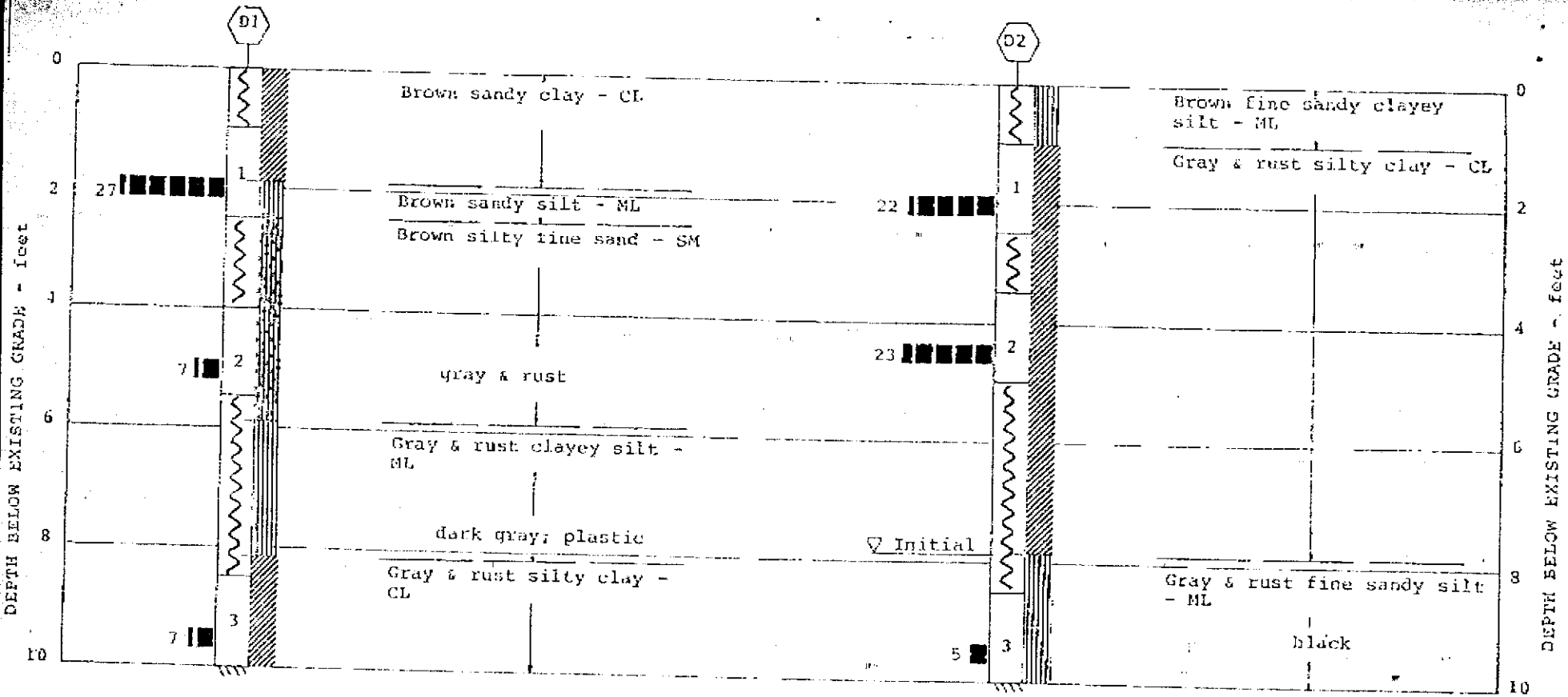
GEOTECHNICAL ENGINEERING

DRAWN BY: WVA CHECKED BY:

PROJECT NO: 87-204

DATE: 06/87

PLATE NO: 1



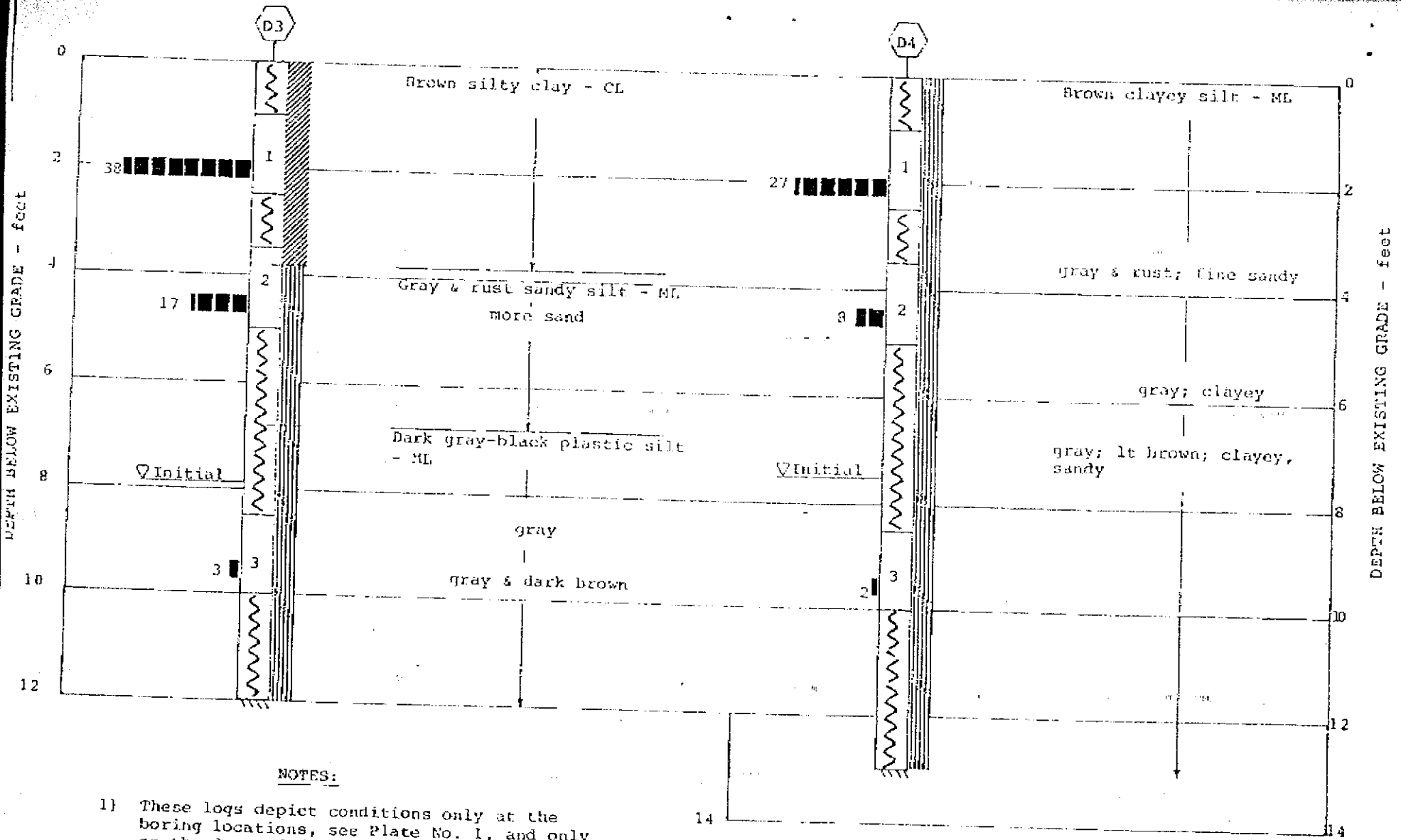
NOTES:

1) These logs depict conditions only at the boring locations, see Plate No. 1, and only on the date of field exploration, 06/24/87.

2) Free water was not encountered in Boring B1.

3) Explanations of the Unified Soil Classification System and the symbols used on the logs are contained on Plate No. 4.

Wallace · Van Alstine & Kuhl GEOTECHNICAL ENGINEERING	DRAWN BY: MJH CHECKED BY:	STILLWATER AT RIVERLAKE Pocket Area Sacramento, California		PROJECT NO: 87-204 DATE: 06/87 PLATE NO: 2

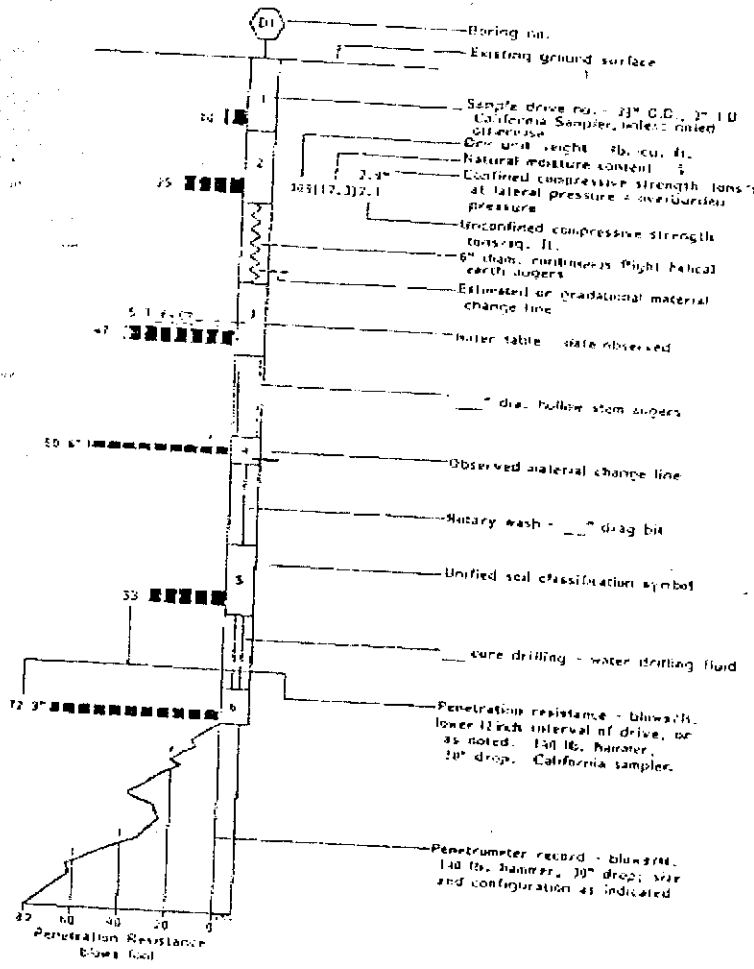


NOTES:

1) These logs depict conditions only at the boring locations, see Plate No. 1, and only on the date of field exploration, 06/24/87.

2) Explanations of the Unified Soil Classification System and the symbols used on the logs are contained on Plate No. 4.

Wallace-Van Alstine & Kuhl GEOTECHNICAL ENGINEERING	DRAWN BY: JVA CHECKED BY:	STILLWATER AT RIVERLAKE Pocket Area Sacramento, California		PROJECT NO: 87-204 DATE: 06/87 PLATE NO: 3



MAJOR DIVISIONS		SYMBOLS	CODE	TYPICAL NAMES
COARSE GRAINED SOILS (More than 1/2 of soil > no. 200 sieve size)	GRAVELS (More than 1/2 of coarse fraction > no. 4 sieve size)	GW		Well graded gravels or gravel-sand mixtures, little or no fines
		GP		Poorly graded gravels or gravel-sand mixtures, little or no fines
		GM		Silty gravels, gravel-sand-silt mixtures
		GC		Clayey gravels, gravel-sand-clay mixtures
	SANDS (More than 1/2 of coarse fraction < no. 4 sieve size)	SW		Well-graded sands or gravelly sands, little or no fines
		SP		Poorly graded sands or gravelly sands, little or no fines
		SM		Silty sands, sand-silt mixtures
		SC		Clayey sands, sand-clay mixtures
FINE GRAINED SOILS (More than 1/2 of soil < no. 200 sieve size)	SILTS & CLAYS LL < 50	ML		Inorganic silts and very fine sands, rock flour, silty or clayey fine sands or clayey silts with slight plasticity
		CL		Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays
		OL		Organic silts and organic silty clays of low plasticity
	SILTS & CLAYS LL > 50	MH		Inorganic silts, micaceous or diatomaceous fine sandy or silty soils, elastic silts
		CH		Inorganic clays of high plasticity, fat clays
		OH		Organic clays of medium to high plasticity, organic silty clays, organic silts
HIGHLY ORGANIC SOILS		Pt		Peat and other highly organic soils

UNIFIED SOIL CLASSIFICATION SYSTEM

COHESIVE SOILS		GRANULAR SOILS	
Description	Blows/ft.	Description	Blows/ft.
Very Soft	< 3	Very Loose	< 5
Soft	3 - 5	Loose	5-15
Medium (firm)	6 - 10	Medium Dense	16-40
Stiff	11 - 20	Dense	41-65
Very Stiff	21-40	Very Dense	> 65
Hard	> 40		

CONSISTENCY CLASSIFICATION

CLASSIFICATION	RANGE OF GRAIN SIZES	
	U.S. Standard Sieve Size	Grain Size in Millimeters
BOULDERS	Above 12"	Above 305
COBBLES	12" to 3"	305 to 76.2
GRAVEL	3" to No 4	76.2 to 4.76
coarse (c)	3" to 3/4"	76.2 to 19.1
fine (f)	3/4" to No 4	19.1 to 4.76
SAND	No 4 to No 200	4.76 to 0.074
coarse (c)	No 4 to No 10	4.76 to 2.00
medium (m)	No 10 to No 40	2.00 to 0.420
fine (f)	No 40 to No 200	0.420 to 0.074
SILT & CLAY	Below No 200	Below 0.074

GRAIN SIZE CLASSIFICATION

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GEOTECHNICAL ENGINEERING

DRAWN BY:
CHECKED BY:

STILLWATER AT RIVERLAKE
Pocket Area
Sacramento, California

PROJECT NO. 87-204
DATE: 06/87
PLATE NO. 4

Wallace Van Alstine & Kuhl

EARTHWORK SPECIFICATIONS

STILLWATER AT RIVERLAKE

Pocket Area

Sacramento, California

WVK No. 87-204

July 20, 1987

GEOTECHNICAL REPORT

A Geotechnical Report (WVK No. 87-204; dated July 20, 1987, has been prepared for this site by Wallace, Van Alstine & Kuhl, West Sacramento, California [(916) 372-1434].

SEASONAL LIMITS

Fill material shall not be placed, spread or rolled during unfavorable weather conditions. When the work is interrupted by heavy rains, fill operations shall not be resumed until field tests indicate that the moisure contents of the subgrade and fill materials are satisfactory.

MATERIALS

All fill shall be of approved local materials from required excavations, supplemented by imported fill, if necessary. Approved local materials are defined as local soils free from rubble, rubbish and vegetation approved by the Soil Engineer prior to use. Clods or rocks exceeding six inches (6") in final size shall not be allowed in the upper two feet (2') of fill supporting buildings.

Imported fill materials shall meet the above requirements and shall have a plasticity index not exceeding twelve (12).

CLEARING, GRUBBING AND PREPARING BUILDING PAD

a. All significant vegetation; concrete and asphalt concrete rubble; rubbish; existing man-made fills and saturated materials; underground utilities within two feet (2') of original or final grade (whichever is lower) and existing surface and subsurface structures shall be removed from building areas and disposed of. Excavations and depressions resulting from the removal of such items shall be cleaned out to firm, undisturbed soil and backfilled with suitable materials in accordance with these specifications.

b. The surfaces upon which fill is to be placed shall be plowed or scarified to a depth of at least six inches (6") and moisture conditioned until the moisture content is satisfactory for compaction.

After the foundation for the fill has been adequately processed, it shall be compacted to not less than ninety percent (90%) of the maximum dry density as determined by the ASTM D1557-78 Compaction Test.

PLACING, SPREADING AND COMPACTING FILL MATERIAL

The selected fill material shall be placed in layers which when compacted shall not exceed six inches (6") in thickness. Each

layer shall be spread evenly, thoroughly mixed and compacted to not less than ninety percent (90%) of maximum dry density as determined by the ASTM D1557-78 Compaction Test. Each layer shall be compacted over its entire area until the desired density has been obtained.

FINAL SUBGRADE PREPARATION

The upper six inches (6") of the final building pad subgrade shall be uniformly compacted to an acceptable, firm condition regardless of whether final subgrade elevation is attained by filling, excavation or is left at existing grade.

TESTING AND OBSERVATION

All grading operations shall be tested and observed by the Soil Engineer, who is serving as the representative of the Owner.

Earthwork shall not be performed without prior notification and approval of the Soil Engineer. The Contractor shall notify the Soil Engineer at least two (2) working days prior to commencement of any aspect of the site earthwork.