

A. 2900 Drury
B. 2904 Drury
C. 2908 Drury

D. 2912 Drury
E. 2916 Drury

Bridget Babbington-Butler 7-25-90

DISTRIBUTION
White - Appeals File
Candy - Appellant's Copy
Pink - Job File
Goldenrod - Inspector's Copy

CITY OF LAS VEGAS, NEVADA
BUILDING & SAFETY DEPARTMENT
400 Edst, Stewart, 3rd Floor
Las Vegas, Nevada 89101
Telephone (702) 386-6251

69
1/17/90

PETITION OF APPEAL TO THE BUILDING OFFICIAL

All petitions **MUST** be detailed on this form. Supporting data may be attached and submitted if desired, but all entries and statements on this form must be completed.

CASE NO.
DATE 1-16-90
DEPARTMENT EMPLOYEE FAMILIAR WITH PROJECT

PROJECT NAME DESERT BREEZE II	PROJECT ADDRESS 2900 DRURY ST.	PERMIT OR LICENSE NO. 40100
OWNER'S NAME H.A. HOMES	OWNER'S ADDRESS 2735 RENAISSANCE	ZIP CODE 89119
TENANT'S NAME (IF OTHER THAN OWNER)	TENANT'S ADDRESS	PHONE 795-2700
APPELLANT'S NAME MICHAEL MASONRY INC	APPELLANT'S ADDRESS 4480 W. HACIENDA	ZIP CODE 89118
APPELLANT'S RELATIONSHIP TO PROJECT MASONRY SUBCONTRACTOR		PHONE 368-4498

Appeal is hereby made to the Building Official for a variance from, or interpretation of, Section _____ of the City of Las Vegas Building Code which requires that:
FOOTING MIX FOR BLOCK FENCES HAVE 1/4 SIZE ROCKS IN MIXTURE

Explanation of why conformance with the above requirement on this project presents an unusual problem:
(Use attachment if necessary.)
**IMPOSSIBLE TO HAVE ACCESS TO POUR CONCRETE FROM TRUCKS DIRECTLY INTO FOOTINGS.
ADDRESSES: BLOCK 4, LOTS 107 AND 113.**

State specifically what is proposed in lieu of literal compliance.
**USING A MIXTURE OF 3500 PSI GROUT,
MIX DESIGN # 5285-FA (ETEC TESTING NUMBER)
60701 (SILVER STATE CONCRETE NUMBER)
GROUT MIX DESIGN SHEET ATTACHED**

OWNER'S SIGNATURE IF APPELLANT IS OTHER THAN OWNER: _____
OWNER'S ARCHITECT OR ENGINEER: _____
Larry Allison ESTIMATOR
APPELLANT TITLE

DECISION OF THE BUILDING OFFICIAL
 Approved
 Approved with stipulations
 Denied
FOOTING MUST BE STRUCTURALLY SOUND. SEND NOTE IN TO BUILDING DEPT. FROM ENGINEER STATING FOOTING MEETS CODE STAMPED BY ENGINEER.

DATE 1-17-90	BUILDING OFFICIAL Karl Williams
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Bridget, Babington Butler 1-31-90



**WESTERN
TECHNOLOGIES
INC.**

3611 West Tompkins Avenue
Las Vegas, Nevada 89103
(702) 798-8050

MICROFILM
2900 DEWRY ST

January 24, 1990

Michael Masonry, Inc.
4480 West Hacienda No. 2
Las Vegas, Nevada 89118

NOT FOR
APPROVED AS
PER BOARD OF
APPEALS DATED
1-17-90

JAN 24 1990

Professional Engineer
State of Nevada
No. 07549

Attention: Michael Cicoria

Project No. 4140K067

Subject: Review Portland Cement Concrete
Masonry Fence Wall Footing
Various Locations Throughout Las Vegas, Nevada

Dear Mr. Cicoria:

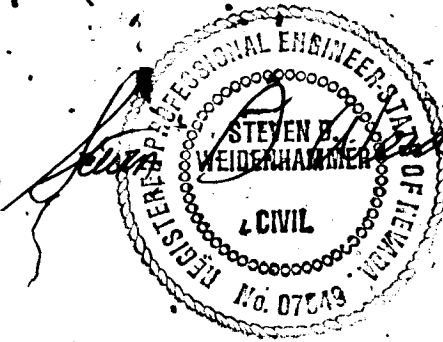
Attached is a copy of the Standard for the City of Las Vegas
Masonry Fence Wall. Also attached is a pumped concrete fill mix
design S285-FA-1 from ETEC Testing Laboratories, Inc. (Ready Mix
Supplier-Silver State Materials Corporation), Western Technologies
Inc. (WTI) has been retained by you to review both documents. The
purpose of the review is to determine if the concrete mix design
meets the requirements for footing concrete for Masonry Fence Walls.
Due to restricted space conditions, Michael Masonry wishes to use a
concrete mix for footings that can be pumped.

It is our opinion that the proposed mix is acceptable as long
as the slump is 6 inches or less. The compressive strength and water
cement ratio meet or exceed the minimum requirements of the Standard
for Masonry Fence Wall.

If there are any further questions regarding this matter, please
feel free to contact me.

Sincerely,

WESTERN TECHNOLOGIES, INC.



STEVEN D. WEIDENHAMMER, P.E.
Manager, Materials Engineering

SDW/kam

Bridget Babington Butler 1-31-90



ETEC TESTING LABORATORIES, INC.

4150 W. Pioneer Ave., Suite A • Las Vegas, NV 89102
(702) 367-0100

PUMPED CONCRETE FILL MIX DESIGN: S285-FA-1

Design Strength: 2500 PSI @ 28 Days; NSA 378
Portland Cement Type V; 4.9 Sacks/CY; Fly Ash 122 lbs./CY
Water: 46 Gallons; W/C + FA = 0.66

Ready Mix Producer: Silver State Materials Corporation
Source of Materials: Portland Cement: Southwest Portland Cement, Victorville, CA.
Fly Ash: Western Ash Co.; ASTM C618, Class F
Fine & Coarse Aggregate: Stocks Lone Mt. Road Pit

PHYSICAL PROPERTIES OF AGGREGATES; ASTM C233*

Sieve Analysis: (April 1989) SIEVE SIZE	PERCENT PASSING U.S. STANDARD SIEVE	
	Fine Aggregate	N.S.A. 3/8"
1/2"	100	99
3/8"	100	73
No. 4	90	5
No. 8	52	1
No. 16	27	1
No. 30	13	1
No. 50	6	0.8
No. 100	3.9	0.8
No. 200	2.78	0.8
Bulk Specific Gravity SSD:	1.4	3.1
Absorption Percent:	3.1	
Fineness Modulus:		

**MIX PROPORTIONS FOR A 1.0 CUBIC YARD BATCH OF PUMPED CONCRETE FILL
(Cement + Fly Ash: 6.0 Sacks Equivalent)**

Material	Solid Volume Percent	Computed Batch Weight in Pounds	Solid Volume In Cubic Feet
Coarse Agg. (3/4", SSD)	20	600	3.458
Fine Aggregate (SSD)	80	2400	13.832
Water: 46 Gallons		383	6.138
Cement: 4.9 Sacks/CY, Type V		462	2.350
Fly Ash: 122 lbs/CY (18% Replacement)		122	0.822
Entrapped Air:		---	0.400
TOTALS:		3967	27.000

Slump: 10"
Theoretical Plastic Unit Weight: 146.9 PCF
Admixture: Sika Plastocrete 161N; 3.0 fl. oz./100 lbs. Cement + Fly Ash

NOTE: For each 1 percent water in sand in excess of 1.4 percent, deduct 2.9 gallons of water and add 24 pounds of sand.

By: Daniel C. Thorne

Client: Silver State Materials Corporation
Date: 1-23-90 Lab No: 03010-S285-FA-1

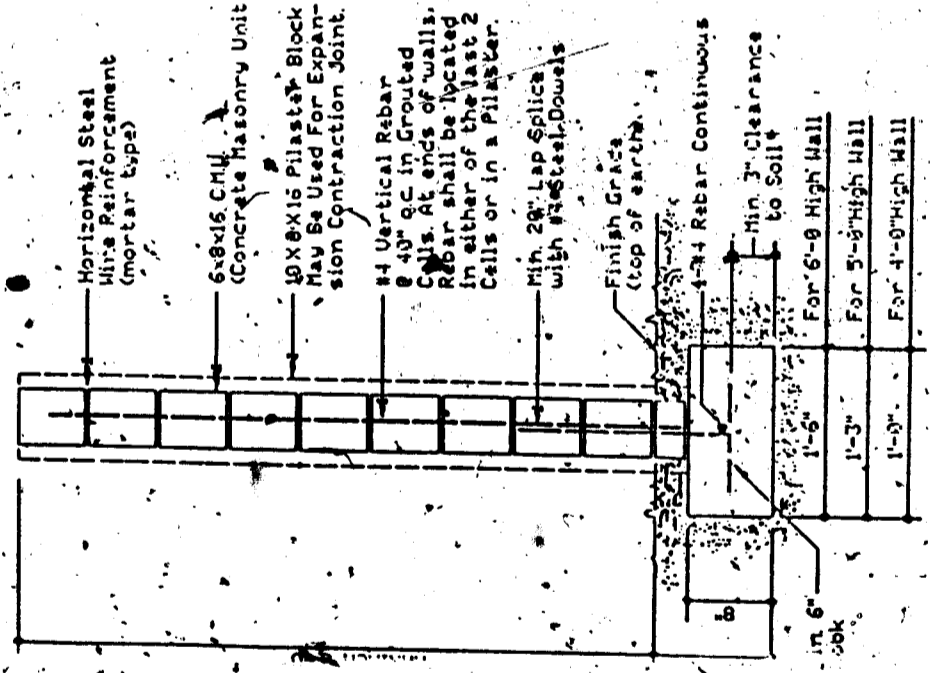
*Available upon request

Reviewed By: Kulwant S. Sahi
Kulwant S. Sahi, P.E.

SOILS INVESTIGATION AND FOUNDATION ENGINEERING; CONCRETE AND MATERIAL CONSULTANTS;
MIX DESIGN SERVICES; TESTING SERVICES; TROUBLESHOOTING CONSULTANTS; NON-DESTRUCTIVE STEEL AND WELDING CERTIFICATION

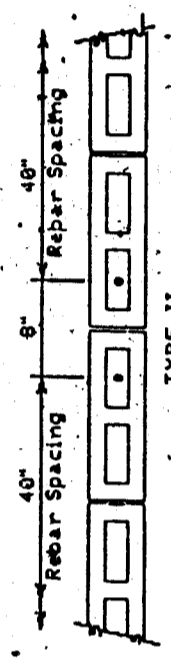
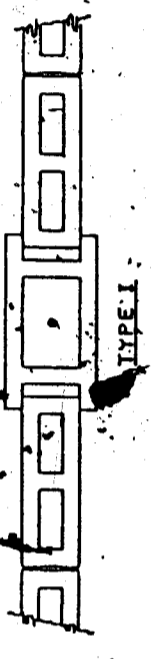
MASONRY WALL FENCE

NO. 6" SLUMP BLOCK WALLS SHALL REQUIRE ENGINEERS CALC'S AND QUALITY CONTROL PROCEDURES TO BE SUBMITTED BY PERMIT APPLICANT.
THIS WALL IS NOT DESIGNED TO RETAIN THE LATERAL FORCES OF SOIL OR OTHER SURCHARGE.



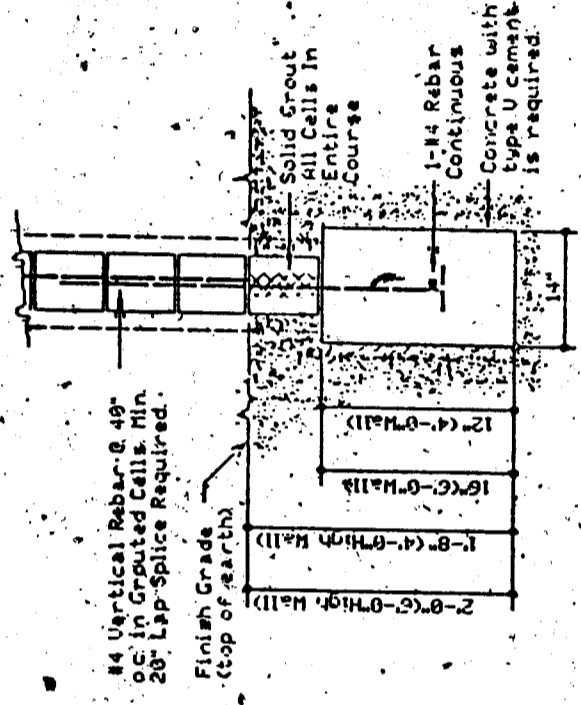
TANDARD WALL DETAIL

35" to next rebar
40" c-c spacing thereafter



EXPANSION JOINT DETAILS

Expansion Joints Recommended From 20' to 30' Intervals. Plans For Intervals Greater Than 180' Shall Be Accompanied By Engineering Calc's.



SPECIAL FOUNDATION FOR WALLS LOCATED WITHIN THE BOUNDARIES OF EASTERN AVE., KELLIS BLVD., OWENS BLVD. & CHARLESTON BLVD.

NOTES:

- INSPECTION'S REQUIRED:
1. Footing inspection prior to placing concrete.
 2. Wall steel inspection prior to grouting.
 3. Final inspection

A GOOD CONCRETE MIXTURE for footings is by volume 1 part portland cement, 2 1/2 parts sand, 4 parts gravel not larger than 1 1/2 inches, and just enough water to make the mixture "mushy" and workable, but not "soupy". The water content should not be more than 7.5 gallons per sack of cement for the above mix. Where salts are present in the soil, Type U cement is required.

A GOOD MORTAR MIXTURE should be in proportions of 1 part portland cement, 3 parts lime hydrated, and 3 parts sand. The water content should be according to absorption and suction ability to assure mortar flow and reading with a trowel.

A GOOD GROUT MIXTURE should be composed of 1 part portland cement, 2 parts sand, and 1 part gravel. Sufficient water shall be added to produce consistency for pouring without segregation.

CITY OF LAS VEGAS
DEPARTMENT OF BUILDING AND SAFETY

8/14/89