

850 LAS VEGAS BLVD NO
•SPC LAB RPTS '82 ✓•

• FIRE ALARM TESTS •
'83

Dona Smith

3-6-84



ConverseWardDavisDixon

(POST ON JOB)

FIELD REPORT ON OBSERVATION OF FOUNDATIONS

DATE: May 6, 1983

TIME: 1330

CLIENT: CUV/CA

PROJECT NO. 81-3132-08-08

PROJECT NAME: Cashman Field

PROJECT ADDRESS: L.V. Blvd. + Washington Ave.

- The footing excavations listed below were bottomed on material for which the bearing values recommended in the foundation report are applicable.
- The cast-in-place drilled friction piles listed below penetrated material for which the allowable supporting capacities recommended in the foundation report are applicable. The piles were excavated to diameters at least as large as specified and the excavations extended at least to the depths indicated on the Foundation Plans.
- The excavations for the cast-in-place belled piers listed below were bottomed on material for which the bearing values recommended in the foundation report are applicable. The excavations were at least as large as specified on the Foundation Plans.
- The driven piles listed below were observed to be driven to the specified lengths and/or driving resistances to obtain the supporting capacities recommended in the foundation report.

Based upon observations, it is our opinion that the foundation recommendations presented in the report of the foundation investigation, Project No. 81-3132-01, dated Aug 11, 1981, (are) (is) (are not) (is not) applicable to the conditions observed. Foundation Plans by Geo Tate dated Dec 18, 1981 were used as a reference for our observations.

Footings for: Retaining Wall W. of Auditorium
Elevator - Equip. Room
Trash Enclosure

- NOTE:
1. The observations reported above do not constitute an approval of foundation location, footing size or depth, reinforcement or foundation design.
 2. Loose, soft or disturbed soils must be removed prior to placement of reinforcement or concrete.
 3. The opinions and recommendations presented in this report were based upon our observations and are presented in accordance with generally accepted professional engineering practice. We make no other warranty, either express or implied.

Michael J. Davis

Don Abely

3-6-83



Converse Consultants

DAILY FIELD REPORT

Client CUU/CA

Report No. _____

Project Name Cashman Field

Date 6-8-83

Remarks Tested back fill for Field Area
in West Parking Area with tests over 90%.

Project No. 81-120802

Michael Han

FIELD DENSITY TESTS:

Test No.	Location	Appr. Test Elev.	Appr. Fill Depth	Dry Dens.	% Moist.	Soil Type	% Comp.	Field Technician
								Remarks
1	West Parking Area			103	73	1	92	90% Rg
2	Field Area			104	58	1	93	

RECEIVED
JUN 08 1983

RECEIVED
JUN 10 1983

MAXIMUM DENSITY - OPTIMUM MOISTURE TESTS

Soil Type	Soil Description	Max. Dry Dens.	Opt. Moist.
1	Fill	112	14.0

Soil Type	Soil Description	Max. Dry Dens.	Opt. Moist.

FORM NC 10/81

3-6-84

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Converse Consultants

DAILY FIELD REPORT

Client LUV/CA

Report No. _____

Project Name Cashman Field

Date 6-10-83

Remarks Tested subgrade for Slab North of Westinghouse. Both tests passed.

Project No. 81-1320802

Michael J. Law
Field Technician

FIELD DENSITY TESTS:

Test No.	Location	Appr. Test Elev.	Appr. PTH Depth	Dry. Dens.	% Moist.	Soil Type	% Comp.	Remarks
1	subgrade for slab North of Westinghouse			106	9.8	1	95	90% R ₉
2				108	9.8	1	96	

MAXIMUM DENSITY - OPTIMUM MOISTURE TESTS

Soil Type	Soil Description	Max. Dry Dens.	Opt. Moist.
7	Hom silica	112	14.0

Soil Type	Soil Description	Max. Dry Dens.	Opt. Moist.

F. RM NO. F-3-1081

Ben W... 3-6-84



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DAILY FIELD REPORT

Client: CU/CA Report No. _____
 Project Name: Cashion Field Date: 6-17-83
 Remarks: Tested curb + gutter base in West Project No. 81-313208a
working area. All tests very good.

Michael J. [Signature]

Field Technician

FIELD DENSITY TESTS:

Test No.	Location	Appr. Test Elev.	Appr. Fill Depth	Dry Dens.	% Moist.	Soil Type	% Comp.	Remarks
1	West Parking Area	N. side		137	8.5	10	99	95% Reg
2		W. side		130	9.0	10	99	
3		W. side		134	9.5	10	97	
4		S. side		135	8.8	10	98	

MAXIMUM DENSITY - OPTIMUM MOISTURE TESTS

Soil Type	Soil Description	Max. Dry Dens.	Opt. Moist.
10	Ham SA GR	130	7.2

Soil Type	Soil Description	Max. Dry Dens.	Opt. Moist.

FORM NO. 1081

Dr. [unclear]



Converse Consultants

DAILY FIELD REPORT

Client LUV/CA Report No. _____
 Project Name Cashman Field Date 6-28-83
 Remarks Tested city base for West Parking Project No. 81-132-08-02
Area 1000 SW of the Addition. Both tests were
95%

Michael [unclear]

FIELD DENSITY TESTS:

Field Technician

Test No.	Location	Appr. Test Elev.	Appr. Fill Depth	Dry Dens.	% Moist.	Soil Type	% Comp.	Remarks
1	city West Parking base Area	SW of Addition		131	7.5	10	95	95% comp.
2		SW of Addition		131	7.8	10	95	95% comp.

MAXIMUM DENSITY - OPTIMUM MOISTURE TESTS

Soil Type	Soil Description	Max. Dry Dens.	Opt. Moist.
10	HRM SAND	138	7.2

Soil Type	Soil Description	Max. Dry Dens.	Opt. Moist.

FORM NO. F-3-10/81

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DAILY FIELD REPORT

Client: CVU/3A Report No. _____
 Project Name: Cochran Field Date: 7-22-83
 Remarks: Tested typical base in center east portion of Exhibit Hall. All tests were on 95% and the gravel appeared to be unconsolidated. Project No. 813132 080

Michael J. [Signature]

FIELD DENSITY TESTS:

Field Technician

Test No.	Location	Appr. Test Elev.	Appr. FTH Depth	Dry Dens.	% Moist.	Soil Type	% Comp.	Remarks
1	Exhibit Hall base		NE	130	6.4	7	95	95% comp
2			NE	134	6.6	7	98	
3			SE	133	7.9	7	97	
4			SE	135	6.0	7	97	
5			SE	133	6.6	7	97	

MAXIMUM DENSITY - OPTIMUM MOISTURE TESTS

Soil Type	Soil Description	Max. Dry Dens.	Opt. Moist.
7	1-1/2" SAND GR	137	6.7

Soil Type	Soil Description	Max. Dry Dens.	Opt. Moist.

FORM NO. 1081

Area Westing 84



Converse Consultants
DAILY FIELD REPORT

Client C.V.C.V.A. Report No. _____
 Project Name CASHMAN Sports Complex Date 8.12.3
 Remarks TEST PARKING LOT WEST OF EXHIBIT HALL Project No. 81-3.3208-02
TOTAL OF 6 DENSITY

[Signature]
Field Technician

FIELD DENSITY TESTS:

Test No.	Location	Appr. Test Elev.	Appr. Fill Depth	Dry Dens.	% Moist.	Soil Type	% Comp.	Remarks
1	SOUTH EAST CORNER		6'-1"	133	5.9%	7	97%	98% or BETTER
2	SOUTH WEST CORNER			136	5.7%	6	99%	
3	CENTRAL PARKING WEST SIDE			132	6.3%		96%	
4	CENTRAL PARKING EAST SIDE			134	7.3%		98%	
5	NORTH EAST CORNER			129	7.8%		97%	
6	NORTH WEST CORNER			132	5.5%		96%	

MAXIMUM DENSITY - OPTIMUM MOISTURE TESTS

Soil Type	Soil Description	Max. Dry Dens.	Opt. Moist.	Soil Type	Soil Description	Max. Dry Dens.	Opt. Moist.
7	BASALTIC II AGGREGATE	137	6.7				

FORM NO. 10/22/78

Soil Analysis 3-6-84



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DAILY FIELD REPORT

Client CUV/CA

Project Name Cashman Field

Report No. 2

Remarks 1/2 of 2ND Pass from West Side. Both tests passed. The gravel appeared to be clean & dry.

Date 7-29-83

Project No. 131218302

M. Dal...

Field Technician

FIELD DENSITY TESTS:

Test No.	Location	Appr. Test Elev.	Appr. FTH Depth	Dry Dens.	% Moist.	Soil Type	% Comp.	Remarks
1	<u>1/2 of 2ND Pass</u>	<u>133</u>	<u>105</u>	<u>133</u>	<u>8.3</u>	<u>7</u>	<u>97</u>	<u>9502 kg</u>
2				<u>134</u>	<u>7.3</u>	<u>7</u>	<u>98</u>	

MAXIMUM DENSITY - OPTIMUM MOISTURE TESTS

Soil Type	Soil Description	Max. Dry Dens.	Opt. Moist.
	<u>116m 20K</u>	<u>137</u>	<u>6.7</u>

Soil Type	Soil Description	Max. Dry Dens.	Opt. Moist.

FORM NO. 101-81

Don't Hesitate 3-6-84



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DAILY FIELD REPORT

Client LUOFA Report No. _____

Project Name Cahoon Field Date 8-1-83

Remarks Tested depth II base from exhibit Hall, N 1/2, 2ND + 3RD Passes from West. All tests were over 950g and the ground was clean on 2nd pass. Project No. 81-372-02-02

Michael J. [Signature]
Field Technician

FIELD DENSITY TESTS:

Test No.	Location	Appr. Test Elev.	Appr. Fill Depth	Dry Dens.	% Moist.	Soil Type	% Comp	Remarks
1	Exhibit Hall base	2nd	Pass	135	56	7	99	950g Reg
2				134	9.0	7	98	
3		3rd		132	8.3	7	97	
4				131	8.8	7	96	

MAXIMUM DENSITY - OPTIMUM MOISTURE TESTS

Soil Type	Soil Description	Max. Dry Dens.	Opt. Moist.
7	HC (m) [unclear]	137	6.7

Soil Type	Soil Description	Max. Dry Dens.	Opt. Moist.

FORM NO. 10/81

CASHMAN FIELD

FIRE ALARM TESTS

10/10/12

11/12/12

12/14/12

13/14/12

14/15/12

15/15/12

16/15/12

17/15/12

18/15/12

Book Study

3-6-84

Exhibit Hall & Meeting Rooms (continued)

9:29 Zone 4 AH 7+8 Room E 226

9:33 Zone 3 AH 11+12 Room E 227

9:36 Zone 2 AH 13+14 Room E 228

9:38 Zone 1 AH 9+10 Room E 229

9:41 Zone 11 AH 15 Room E 301

9:42 Zone 10 AH 16 Room E 301

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3-6-84

Exhibit Hall + Meeting Rooms (continued)

- 8:56 Zone 13 total OK
- 8:57 Zone 16 total OK
- 8:58 Zone 16 E135 E136 E137 Equip Rooms
- 8:59 Zone 16 " " " " " "
- 9:00 Zone 10 + 11 total OK
- ~~9:01~~ 9:01 Zone 4 total OK
- 9:02 Zone 3 total OK
- 9:02 Zone 1 total OK
- 9:03 Zones 1, 2, 3, 4 total OK
- 9:04 Zone 15 Plaza level East E123
- 9:05 Zone 15 " " " "
- 9:06 Zone 15 total OK
- 9:07 Zone 15 Plaza level East
- 9:08 Zones 15 + 16
- 9:11 Zone 12 Second level West E205
- 9:13 Zone 12 total OK
- 9:15 Zone 12 Second level West E205
- 9:16 Zone 12 " " " "

Meeting Rooms Exhibit Hall (Continued)

- 8:29 Zone 5 P/S No half
- 8:33 Zone 5 trbl OK
- 8:34 Zone 5 P/S No half
- 8:36 Zone 5 " "
- 8:37 Zone 5 " "
- 8:38 Zone 5 " "
- 8:38 Zone 5 " "
- 8:38 Zone 5 " "
- 8:42 Zone 14 Playa level West E115
- 8:43 Zone 14 " " "
- 8:46 Zone 15 Playa level East E123
- 8:47 Zone 14 Playa level West E115
- 8:50 Zone 14 trbl
- 8:51 Zone 12 2nd level West E105
- 8:53 Zone 12 " "
- 8:53 Zone 12 " "
- 8:54 Zone 13
- 8:55 Zone 13

Done

3-6-84

Auditorium (Continued)

1:36 Zone 7 2nd level - Main Lobby A201

1:39 Zone 7 " " "

1:43 Zone 8 Corridor AM.301 Mezzanine

1:50 Zone 10 total OK

1:57 Zone 6 Corridor A215 Storage A221

1:58 Zone 6 total OK

Friday 11-4-83

Exhibit Hall & Meeting Rooms

8:16 Zone 6 P/S So hall + Elec Rm E105

8:17 Zone 6 " " "

8:20 Zone 6 total OK

8:23 Zone 6 P/S So hall + Elec Rm E105

8:25 Zone 6 " " "

8:26 Zone 6 " " "

8:26 Zone 6 " " "

8:27 Zone 6 " " "

8:28 { Zone 6 " " "

Bona Greshy

3-6-84

Auditorium (continued)

11:29 Zone 3 Mech rooms A 310 A 311 A 312

11:30 Zone 3 " " "

11:30 Zone 3 " " "

11:31 Signal Circuit 1 trbl (Cleared 11:38)

11:32 Zone 3 ~~Mech Rooms A 310 A 311 A 312~~
~~Mech Rooms A 310 A 311 A 312~~

11:38 Zone 3 Mech Rooms A 310 A 311 A 312

11:38 Zone 3 " " "

11:39 Zone 3 " " "

11:40 Zone 3 " " "

11:40 Zone 3 trbl "OK" " "

11:41 Signal Circuit 1 trbl

11:42 Zone 3 (working on speaker)

11:42 Zone 3 (working on speaker)

1:20 Zone 3 Mech Rooms A 310 A 311 A 312

1:22 Zone 4 3rd level Auds - Projection - ltng rooms

1:30 Zone 7 2nd level - Main Lobby A 201

1:32 Zone 7 " " "

1:35 Zone 7 trbl "OK"

Auditorium (Continued)

10:59 Zone 13 Basement - Under Stage
 10:59 Zone 13 Basement - Under Stage
 11:00 Zone 13 " " "
 11:00 Zone 13 " " "
 11:01 Zone 13 " " "
 11:03 Zone 8 Corridor AM301 Mezzanine
 11:08 Zone 8. trbl OK
 11:16 Zone 8 ~~See ~~later~~ ~~in~~ ~~the~~ ~~log~~~~
 11:19 Zone 4 3rd level Audio - Projection - string room
 11:23 Zone 4 trbl OK
 11:24 Zone 4 3rd level Audio - Proj - string room
 11:25 Zone 4 " " "
 11:27 Zone 3 Meck rooms A310 A311 A312
 11:27 Zone 3 " " "
 11:28 Zone 3 " " "
 11:29 Zone 3 " " "
 11:29 Zone 3 " " "
 11:29 Zone 3 " " "

Donna Husby

3-6-84

Auditorium (continued)

- 10:29 Zone 7 2nd level Main Lobby A201
- 10:31 Zone 7 " " " "
- 10:32 Zone 10 Atrium Main Lobby A122
- 10:33 Zone 10 " " " "
- 10:33 Zone 10 " " " "
- 10:35 Zone 10 " " " "
- 10:38 Zone 9 Corridor A102 Stage A104
- 10:41 Zone 9 " " " "
- 10:44 Zone 9 " " " "
- 10:48 Zone 9 " " " "
- 10:49 Zone 9 " " " "
- 10:50 Zone 9 "trouble" OK " "
- 10:52 Zone 13 Basement - Under Stage
- 10:54 Zone 13 "trouble" OK
- 10:58 Zone 13 Basement - Under Stage
- 10:58 Zone 13 " " " "
- 10:59 Zone 13 " " " "
- 10:59 Zone 13 " " " "

Cashman Field 11-2-83

Auditorium

9:23 Zone 11 Alarm ~~Water Flow~~ A131
~~Zones 15 18 total~~ OK Signal circuits only

9:34 Exhibit hall

Zone 7 WF E104

9:37 Zone 7 WF E104

~~Zones 5 16 total~~ OK

9:42 Zone 17 WF E138

~~Zones 1 8 10 16 19 20 total~~ OK

9:50 Zone 5 PS No. Hall

9:55 Zone 18 Temper E138

9:58 Zone 9 Temper E104

Auditorium

10:09 Zone 12 Temper A131

10:16 Zone 4 3RD level Audio Projection string rooms

10:18 Zone 4 3RD level

10:21 Zone 3 Mech Rooms A310 A311 A312

10:23 Zone 6 Corridor A215 Storage A221 2ND LEVEL

10:28 Zone 7 2nd level Main Lobby A201

10:29 Zone 7 " " " " " "

Blue Study

3-6-84

11:35 Zone 2 AH ~~11~~ 11
11:37 Zone 2 AH 13
11:41 Zone 1 AH 10
11:44 Zone 1 AH 10
11:45 Finished

Cashman Field 12-2-83

Auditorium

Zone 12 - Sprinkler Tamper A131 Trouble light does not work on lamp test.

- 9:32 Zone 5 AH #18
- 9:36 " " " "
- 9:44 Zone 1 - AH #17 ~~Zone 1 AH #17~~
- 9:50 Zone 1 AH #17
- 9:52 Zone 2 AH #19
- 9:55 Ground Fault tripping showing on panel

Meeting Rooms / Exhibit Hall

Zone 18 Sprinkler Tamper E138 trouble light does not work on lamp test

- 10:16 Zone 11 AH #15
- 10:19 " " " "
- 10:23 Zone 10 AH 16
- 10:32 Zone 1 - AH 9 ~~10~~ (BOTH ON ONE ZONE)
- 10:34 Zone 1 AH 10
- 10:37 Zone 2 AH 13 ~~14~~ (BOTH ON ONE ZONE)
- 10:39 Zone 2 AH 14
- 10:41 Zone 3 AH 12 (BOTH ON ONE ZONE)
- 10:42 Zone 3 AH 11
- 10:46 Zone 4 AH 7
- 10:47 Zone 4 AH 8
- 11:01 Zone 10 AH 16
- 11:14 Zone 4 AH 7
- 11:22 Zone 4 AH 7
- 11:27 Zone 3 AH 12
- 11:29 Zone 3 AH 11