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ENGINEERING DIVISION

CONSTRUCTION INSPECTION AND TEST REPORTS

**Wal-Mart Store # 91055
WICHITA, KANSAS**

January 18 - 31, 1993

**Contractor: Crane Construction Co
10825 Financial Parkway Suite 135
Little Rock, Arkansas 72211
PH: 501/227-4000 FX: 501/227-5444**

**Inspection: Kaw Valley Engineering, Inc
2319 N Jackson PO Box 1304
Junction City, KS 66441
PH: 913/762-5040 FX: 913/762-7744**

Inspector: Jerry Osbourn

Reviewer: John L Sheets, P E

92-30431

**KAW VALLEY
ENGINEERING**

• ENGINEERING • ARCHITECTURE • PLANNING • SURVEYING • INSPECTION • TESTING •

2319 N. Jackson • P. O. Box 1304 • Junction City, Kansas 66441 • 913/762-5040

KAW VALLEY ENGINEERING, INC.

2319 NORTH JACKSON, P O BOX 1304
JUNCTION CITY, KANSAS 66441
TEL: (913) 762-5040
FAX: (913) 762-7744

122 NORTHWEST PARKWAY
RIVERSIDE, MISSOURI 64150
TEL: (816) 587-5033
FAX: (816) 587-0129

February 3, 1993
92-30,431

Wal-Mart Stores, Inc
Construction Department
701 South Walton Blvd
Bentonville AR 72716

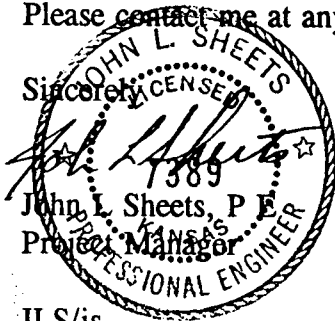
ATTN Clay Moore, Construction Manager

**RE Store #91055, Wichita Kansas
Construction Inspection**

Dear Mr Moore

Enclosed are the construction inspection and material testing reports for the referenced project for January 18 - 31, 1993 for your review.

Please contact me at any time if you have any questions or comments.



JLS/js

Enclosures

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February 3, 1993
92-30431

Wayne Alexander
Construction Inspection Manager
Central Inspection Department
CITY OF WICHITA
455 N Main, 7th Floor
Wichita KS 67202

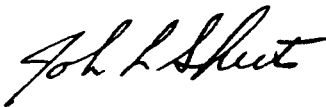
RE Construction Inspection - Store #91055, Wichita Kansas

Dear Mr Alexander

Enclosed for your files is a copy of the construction inspection and material testing reports for January 18 - 31, 1993 for your review.

Please feel free to contact me if you have any questions or need further information.

Sincerely



John L Sheets, P E
Project Manager

JLS/js

Enclosures

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February 3, 1993
92-30431

Crane Construction
10825 Financial Parkway Suite 135
Little Rock AR 72211

ATTN Dennis Lewis

RE Store #91055, Wichita Kansas Construction Inspection

Dear Mr Lewis

Enclosed for your files is a copy of the construction inspection and material testing reports for January 18 - 31, 1993 for your files.

Please feel free to contact me if you have questions or need further information.

Sincerely



John L Sheets, P E
Project Manager

JLS/js

Enclosures

KAW VALLEY ENGINEERING, INC

**DAILY
PROJECT INSPECTION REPORTS**

**Wal-Mart Store No #91055
WICHITA, KANSAS**

January 18 - 31, 1993

Kaw Valley Engineering - 92-30431

KAW VALLEY ENGINEERING, INC.

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DAILY PROJECT INSPECTION REPORT

PROJECT Wal-Mart - Sam's Club PROJ NO 92-30,431 DATE 1-18-93

CONTRACTOR Crane Construction REPORT NO 79

OWNER Wal-Mart Stores, Inc LOCATION Wichita, Kansas

PROJECT ESTIMATED PERCENT OF COMPLETION _____

WEATHER CONDITIONS Cloudy 19-28°

WORK IN PROGRESS

BROAD MURRAY INC. : placing concrete for the floor slab
GREENWAY ELEC. : working on interior electrical conduits
MIDLAND Sprinkler Systems : - working on the overhead
fire sprinklers.
Gulley Const. Co. : completed the installation of
the roof drain on the North side of BLDG.
The backfill material used had frost in it.
there wasn't any compaction effort during the
backfilling. These items of concern about
the frost in the backfill material was
discussed with Brooks Hines

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DAILY PROJECT INSPECTION REPORT

PROJECT Wal-Mart - Sam's Club PROJ NO 92-30,431 DATE 1-19-93

CONTRACTOR Crane Construction REPORT NO 80

OWNER Wal-Mart Stores, Inc LOCATION Wichita, Kansas

PROJECT ESTIMATED PERCENT OF COMPLETION _____

WEATHER CONDITIONS Cloudy 20-25°

WORK IN PROGRESS

BRAD MURRAY INC.: placed concrete for the
MEZZANINE. He also was setting forms for
the floor slab.

Gulley Const. Co.: Dewatering the 8" sanitary
sewer line in order to have tests performed.

Clay Moore visited the jobsite. In discussion
with him and CRANE CONST., I mentioned to
Clay that the base-seal stabilization already
injected had frozen prior to the base-seal
reacting. I also reminded Clay that the
backfill for the 8" sanitary sewer line along the
west property line wasn't compacted. They
indicated to me that they would stabilize approx.
2 feet of this area with fly-ash. Clay
indicated to me that Vernaci Const. has the
qualifications to determine when the base-seal
stabilized subgrade would be ready to lay asphalt
on top of.

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DAILY PROJECT INSPECTION REPORT

PROJECT Wal-Mart - Sam's Club PROJ NO 92-30,431 DATE 1-22-93

CONTRACTOR Crane Construction REPORT NO 81-2

OWNER Wal-Mart Stores, Inc LOCATION Wichita, Kansas

PROJECT ESTIMATED PERCENT OF COMPLETION _____

WEATHER CONDITIONS Clear 22-45° CONT'D.

WORK IN PROGRESS

VERNACI CONST.: REMOVING SNOW FROM PARKING
LOT AND TRUCK DECK AREA. IN A
DISCUSSION WITH JOHN DANSON (VERNACI CONST.)
AND CRANE CONST., IT WAS DETERMINED THAT
THE SUBGRADE HAD APPROX. 6" OF FROST
IN EITHER STABILIZED OR UNSTABILIZED
SUBGRADE.

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DAILY PROJECT INSPECTION REPORT

PROJECT Wal-Mart - Sam's Club PROJ NO 92-30,431 DATE 1-25-93

CONTRACTOR Crane Construction REPORT NO 82

OWNER Wal-Mart Stores, Inc LOCATION Wichita, Kansas

PROJECT ESTIMATED PERCENT OF COMPLETION _____

WEATHER CONDITIONS P. Cloudy 25° - 38°

WORK IN PROGRESS

BEAD MURRAY INC. : placing concrete along east wall for floor slab.

Gulley Const. : Capped off fire Hydrant and removed from the Heavy Duty Asphalt access Road. He also is setting forms for top of Storm Sewer Box curb inlet [25] on S.W. Cor. BLDG.

Vernac Const. attempting to remove frost and wet material from bldg subgrade on the inside.

All interior const on bldg is being done. The City of Wichita is inspecting all work for sub contractors inside the bldg.

K.Gie completed the gas line installation and back-filled with water and frozen material in the trenches.

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DAILY PROJECT INSPECTION REPORT

PROJECT Wal-Mart - Sam's Club PROJ NO 92-30,431 DATE 1-26-93

CONTRACTOR Crane Construction REPORT NO 83

OWNER Wal-Mart Stores, Inc LOCATION Wichita, Kansas

PROJECT ESTIMATED PERCENT OF COMPLETION _____

WEATHER CONDITIONS 28° - 48° Clear.

WORK IN PROGRESS

BRAD MURRAY INC. : setting forms for floor slab and the vestibule.

VERNAZI Const. : mixing fly-ASH with the existing base rock subgrade that is saturated. The wet area is between column F TO B and 4 to 9.

Gulley Const. : working on m/h lids for 7x4 & 9x5 ECB.

The are several subcontractors working on interior of BLDG. The City of Wichita will be doing the inspection for these subcontractors.

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DAILY PROJECT INSPECTION REPORT

PROJECT Wal-Mart - Sam's Club PROJ NO 92-30,431 DATE 1-27-93

CONTRACTOR Crane Construction REPORT NO 84

OWNER Wal-Mart Stores, Inc LOCATION Wichita, Kansas

PROJECT ESTIMATED PERCENT OF COMPLETION _____

WEATHER CONDITIONS _____

WORK IN PROGRESS

*In a telephone discussion with Brooks
Hues (CRANE CONST.) he informed me
that there were no plans to place
concrete for the floor slab today and
that they probably would start testing
the 8" sanitary sewer line this afternoon
or tomorrow.*

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DAILY PROJECT INSPECTION REPORT

PROJECT Wal-Mart - Sam's Club PROJ NO 92-30,431 DATE 1-28-93

CONTRACTOR Crane Construction REPORT NO 85-1

OWNER Wal-Mart Stores, Inc LOCATION Wichita, Kansas

PROJECT ESTIMATED PERCENT OF COMPLETION _____

WEATHER CONDITIONS mostly clear 25-45°

WORK IN PROGRESS

BRAD MURRAY INC. : placing concrete for the floor slab.

Gulley Const. : having the 8" sanitary sewer line tested. Thus far they informed me that the vacuum tests on M/H's passed and that in the area of the 9x5 RCB $\frac{1}{2}$ 8" $\frac{1}{2}$ line cross, there seems to be holes in the line due to other construction. CRANE CONST. is aware of this problem.

VERNACI CONST. : mixing fly ash with existing soils on the Heavy Duty Asphalt access Road. This area has not been stabilized with Base-seal.

In a discussion with Brooks Hanes (CRANE CONST.) I asked for a copy of the test results on the 8" sanitary sewer line. He informed me that once the line passed I would receive a copy of the report

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DAILY PROJECT INSPECTION REPORT

PROJECT Wal-Mart - Sam's Club PROJ NO 92-30,431 DATE 1-28-93

CONTRACTOR Crane Construction REPORT NO 85-2

OWNER Wal-Mart Stores, Inc LOCATION Wichita, Kansas

PROJECT ESTIMATED PERCENT OF COMPLETION _____

WEATHER CONDITIONS MOSTLY CLEAR 25°-45° CONTINUED

WORK IN PROGRESS

I mentioned to Brooks Hines (CRANE
CONST.) that I was taking density tests
on the baserock that had fly-ASH
mixed into it. I also informed him
that there were several areas of subgrade
in the bldg that was pumping due to
excess moisture.

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DAILY PROJECT INSPECTION REPORT

PROJECT Wal-Mart - Sam's Club PROJ NO 92-30,431 DATE 1-29-93

CONTRACTOR Crane Construction REPORT NO 86

OWNER Wal-Mart Stores, Inc LOCATION Wichita, Kansas

PROJECT ESTIMATED PERCENT OF COMPLETION _____

WEATHER CONDITIONS Sunny 10-32°

WORK IN PROGRESS

BRAD MURRAY INC. - placing concrete for
the floor slab.

Gulley Const. - working on the 8" sanitary
sewer line in order for the line to pass
the testing procedures.

VERNAZI Const. : removing frost and wet
subgrade in front of TRUCK DOCK AREA. He
is mixing fly-ASH with existing subgrade
in this area. He informed me that
he would be mixing fly-ASH down to
a depth of 1'.

Jerry Wilson

KAW VALLEY ENGINEERING, INC.

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DAILY PROJECT INSPECTION REPORT

PROJECT Wal-Mart - Sam's Club PROJ NO 92-30,431 DATE 1/30/95

CONTRACTOR Crane Construction REPORT NO 87

OWNER Wal-Mart Stores, Inc LOCATION Wichita, Kansas

PROJECT ESTIMATED PERCENT OF COMPLETION _____

WEATHER CONDITIONS Sunny 15-45°

WORK IN PROGRESS

Brad MURRAY INC. : placing concrete for
floor slab and pumphouse floor. There is
6" of frost in subgrade in the pumphouse
I informed the sub-contractor that this
doesn't comply to plans & specs. CRANE
CONST. isn't on the project this day
to inform of the frost in the subgrade

VERNACI CONST. : MIXING fly ASH in
Subgrade in GWO Lines N. 11-12 & E. 8-9
as well as N. 2-12 & E. 4-5.

Gulley Const. : Retesting the 8" sanitary
sewer line.

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DAILY PROJECT INSPECTION REPORT

PROJECT Wal-Mart - Sam's Club PROJ NO 92-30,431 DATE 1-31-93

CONTRACTOR Crane Construction REPORT NO 88

OWNER Wal-Mart Stores, Inc LOCATION Wichita, Kansas

PROJECT ESTIMATED PERCENT OF COMPLETION _____

WEATHER CONDITIONS Sunny 30-55°

WORK IN PROGRESS

BRAD MURRAY INC. : placing concrete
for the bldg. floor slab and vestibule area
VERNAZI CONST. - Compacting and grading
parking lot subgrade that has been stabilized
with base sand. He continues to compact
the SURGEWAYS in front of the truck
DOCK AREA.

Gulley Const. : pouring concrete inverts
in the manholes on the 8" sanitary sewer
line

KAW VALLEY ENGINEERING, INC

**MOISTURE - DENSITY RELATIONSHIPS
and
MATERIAL GRADATIONS**

**Wal-Mart Store No #91055
WICHITA, KANSAS**

January 18 - 31, 1993

Kaw Valley Engineering - 92-30431

KAW VALLEY ENGINEERING, INC.
 2319 N JACKSON
 US HWY 77 BUSINESS ROUTE
 PO BOX 1304
 Junction City, Kansas 66441
 (913) 762-5040

MOISTURE - DENSITY RELATIONSHIP

Lab Project No. 30431 Date 2-1-93

Project Sam's Club - Wichita, ks.

Source of Material on site

Classification and/or Description of Material
Fly Ash treated subgrade

Contractor Specification _____

Test Method ASTM 698

Remarks _____

Mil St 621A-100
 ASTM-D 698
 ASTM-D 1557
 ASTM-D 2487

TEST RESULTS

Maximum Dry Density 94.5 PCF

Natural Water Content - %

Optimum Water Content 25.5 %

CURVES OF 100% SATURATION
 FOR SPECIFIC GRAVITY EQUAL TO:

2.80

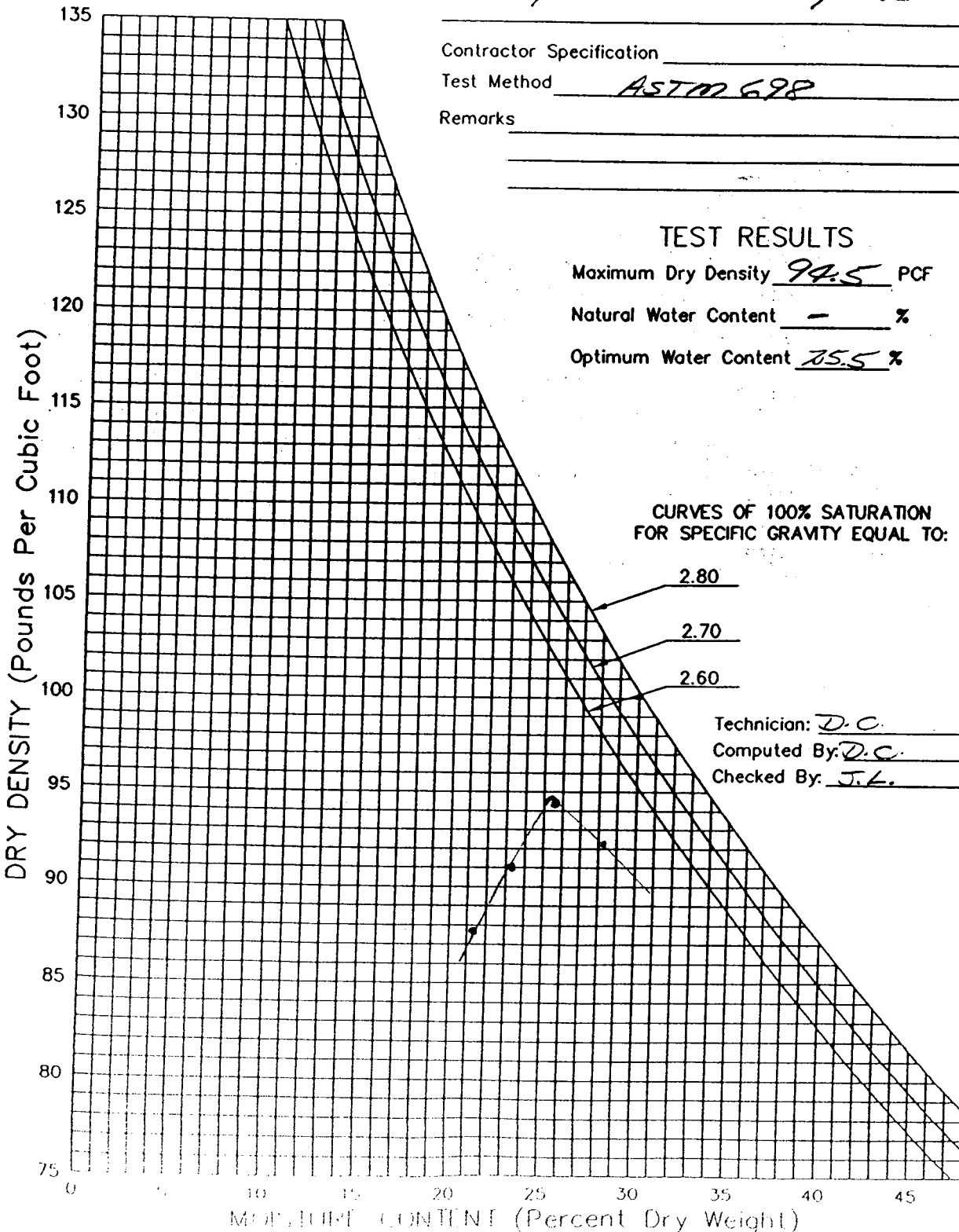
2.70

2.60

Technician: D.C.

Computed By: D.C.

Checked By: J.L.



KAW VALLEY ENGINEERING, INC
 2319 N JACKSON
 US HWY 77 BUSINESS ROUTE
 PO BOX 1304
 Junction City, Kansas 66441
 (913) 762-5040

MOISTURE - DENSITY RELATIONSHIP

Lab Project No 30481 Date 1-27-93

Project Son's Club - Wichita, Kans.

Mil St 621A-100
 ASTM-D 698
 ASTM-D 1557
 ASTM-D 2487

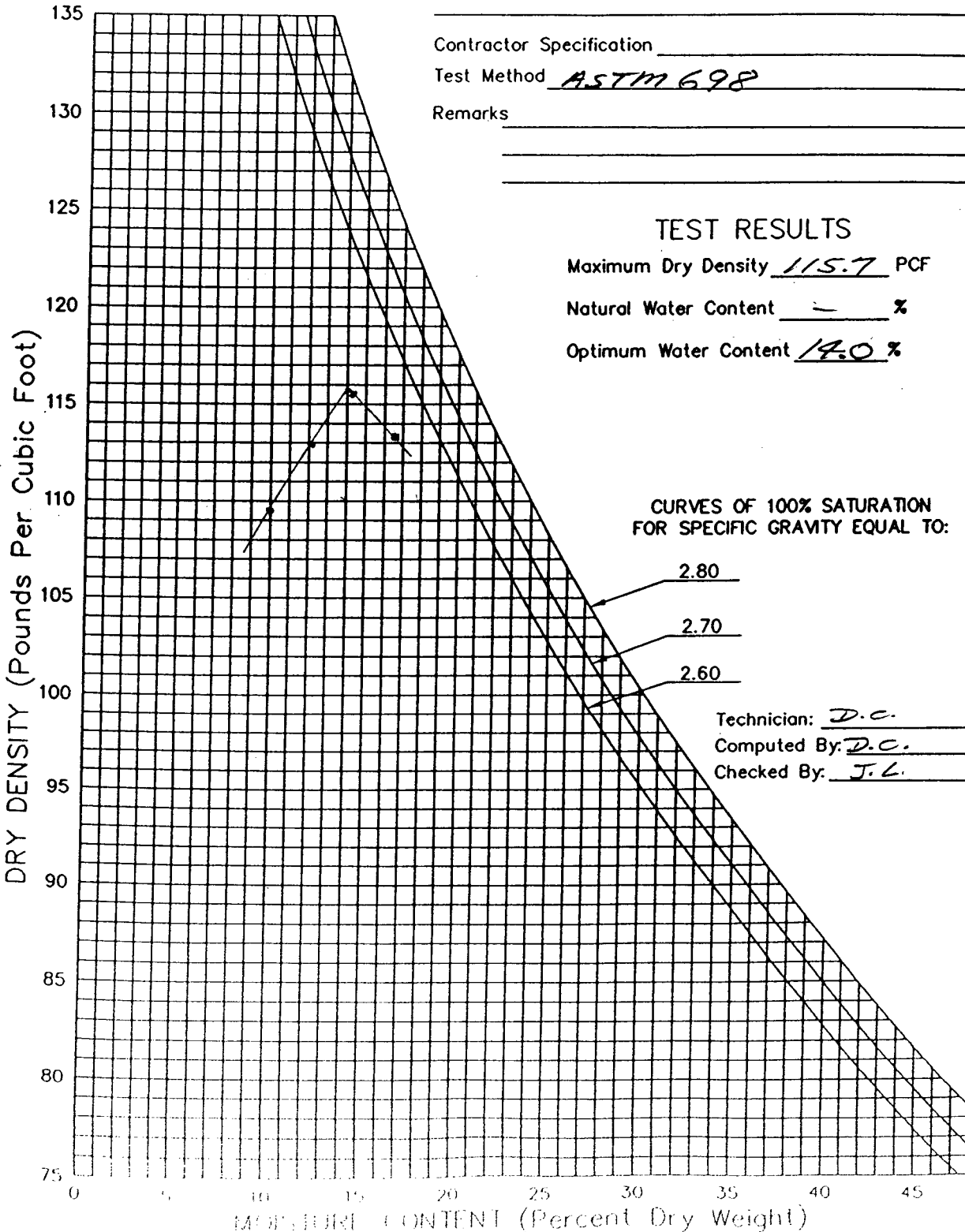
Source of Material On Site

Classification and/or Description of Material
Baserock & Flyash

Contractor Specification _____

Test Method ASTM 698

Remarks _____



KAW VALLEY ENGINEERING, INC

**DENSITY COMPACTION TESTS
and
COMPRESSIVE STRENGTHS**

**Wal-Mart Store No #91055
WICHITA, KANSAS**

January 18 - 31, 1993

Kaw Valley Engineering - 92-30431

323 N JACKSON
 S HWY 77 BUSINESS ROUTE
 P.O. Box 1304
 Junction City, Kansas 66441
 (913) 762-5040

KAW VALLEY ENGINEERING

NUCLEAR RELATIVE COMPACTION TEST DATA

#91055

Project No: WAL-MART-SAM'S CLUB
 Contractor: CRANE CONSTRUCTION
 Date: 1-28-93
 Taken By: JZ. OSBORN
 Lab Project No. 92-30,431

TEST NUMBER	1	2	3	4	5	6
TEST LOCATION	ON LINE #8 BETWEEN COLS E & F BLDG SUBSIDE	ON LINE #7 BETWEEN COLS E & F BLDG SUBSIDE	ON LINE #8 BETWEEN COLS D & E BLDG SUBSIDE	ON LINE #6 BETWEEN D & E BLDG SUBSIDE	ON LINE 5-6 BETWEEN C & D BLDG SUBSIDE	ON LINE #8 BETWEEN COLS. C & D BLDG SUBSIDE
MODE & DEPTH	6"	6"	6"	6"	6"	6"
MOISTURE CORRECTION						
DENSITY COUNT	2787	1963	2036	2014	2023	2056
MOISTURE COUNT	104	154	173	160	178	171
WET DENSITY PCF	1154	130.0	128.4	128.9	1286	1279
DRY DENSITY PCF	107.8	117.8	114.4	116.1	114.2	114.1
MOISTURE PCF	7.6	12.2	14.0	12.8	14.4	13.8
% MOISTURE	7.0	10.4	12.2	11.0	12.6	12.1
MAX. OBTAINABLE DENSITY	115.7	115.7	115.7	115.7	115.7	115.7
OPTIMUM MOISTURE	14.0	14.0	14.0	14.0	14.0	14.0
% RELATIVE COMPACTION	93.0	101.9	98.9	100.3	98.7	98.6
STANDARD COUNT						
DENSITY	2703					
MOISTURE	652					

REMARKS: *Fly Ash mixed with Base Rock*

KAW VALLEY ENGINEERING AND DEVELOPMENT INC.
 P.O. BOX 1304 JUNCTION CITY, KANSAS 66441

COMPRESSIVE STRENGTH OF CONCRETE CYLINDERS
 OR FLEX STRENGTH OF CONCRETE BEAMS

DATE OF REPORT 1/26/93

PAGE 1

PROJECT NO. SAM'S CLUB - WICHITA, KS
 CONTRACTOR CRANE CONSTRUCTION CO, INC
 10825 FINANCIAL PARKWAY
 LITTLE ROCK, AR 72201

OWNER WAL-MART STORES, INC.
 CLASS OF CONCRETE 3500
 CONCRETE SUPPLIER ALLEN'S CONCRETE

LAB TECHNICIAN D CORB
 FIELD TECHNICIAN J OSBORN
 LAB PROJECT NO. 30, 431

TEST RESULTS

SPECIMEN NUMBER	PORTION OF CONSTRUCTION REPRESENTED BY SPECIMEN	MADE	DATE		TEMP		TIME TEST	DELIVERY TICKET #	AGE	AIR CONTENT	SLUMP	WEIGHT IN LBS	UNIT STRENGTH
			TESTED	IN LAB	AIR	CONC							
12-28-A	FLOOR SLAB COL LINES	12/28/92	1/ 4/93	12/31/92	41	64			7	3.4%	4 1/2"	27.6	3678
12-28-B	2-2.3 & K-L	12/28/92	1/25/93	12/31/92					28	3.4%	4 1/2"	27.6	4952
12-28-C		12/28/92	1/25/93	12/31/92					28	3.4%	4 1/2"	27.6	5093
12-30-A	FLOOR SLAB-COL- LINE 2-4	12/30/92	1/ 6/93	12/31/92	38	66			7	% 3 3/4"		27.3	3926
12-30-B	& K-J	12/30/92	1/27/93	12/31/92					28	% 3 3/4"		27.3	
12-30-C		12/30/92	1/27/93	12/31/92					28	% 3 3/4"		27.3	
12-30-D	FLOOR SLAB COL LINE	12/30/92	1/ 6/93	12/31/92	38	68			7	% 4"		27.5	3148
12-30-E	J-K & 3-5	12/30/92	1/27/93	12/31/92					28	% 4"		27.5	
12-30-F		12/30/92	1/27/93	12/31/92					28	% 4"		27.5	
1-6-D		1/ 6/93	1/11/93	1/ 9/93	26	68			5	4.1%	4"	27.6	3112
1-6-E	CONDENSER PAD	1/ 6/93	2/ 3/93	1/ 9/93					28	4.1%	4"	27.6	
1-6-F		1/ 6/93	2/ 3/93	1/ 9/93					28	4.1%	4"	27.6	
1-7-A	FLOOR SLAB GRIDS 6-H	1/ 7/93	1/14/93	1/ 9/93	32	62			7	% 2 1/4"		27.6	4067
1-7-B	AND 7-9	1/ 7/93	2/ 4/93	1/ 9/93					28	% 2 1/4"		27.6	
1-7-C		1/ 7/93	2/ 4/93	1/ 9/93					28	% 2 1/4"		27.6	
1-7-D	FLOOR SLAB GRIDS 6-H	1/ 7/93	1/14/93	1/ 9/93	32	61			7	% 3 3/4"		27.9	4032
1-7-E	AND 4 - 7	1/ 7/93	2/ 4/93	1/ 9/93					28	% 3 3/4"		27.9	
1-7-F		1/ 7/93	2/ 4/93	1/ 9/93					28	% 3 3/4"		27.9	
1-8-A	FLOOR SLAB GRIDS 3-F	1/ 8/93	1/15/93	1/ 9/93	27	68			7	% 4"		27.9	4244
1-8-B	AND 2-3	1/ 8/93	2/ 5/93	1/ 9/93					28	% 4"		27.9	
1-8-C		1/ 8/93	2/ 5/93	1/ 9/93					28	% 4"		27.9	
1-9-A	FLOOR SLAB GRIDS 4-F	1/ 9/93	1/16/93	1/12/93	36	60			7	% 3"		27.8	4173
1-9-B	AND 3-8	1/ 9/93	2/ 6/93	1/12/93					28	% 3"		27.8	
1-9-C	AND 7-7	1/ 9/93	2/ 6/93	1/12/93					28	% 3"		27.8	
1-10-A		1/12/93	1/18/93	1/12/93	41	62			7	% 4"		28.1	4138

KAW VALLEY ENGINEERING AND DEVELOPMENT INC.
P.O. BOX 1304 JUNCTION CITY, KANSAS 66441

COMPRESSIVE STRENGTH OF CONCRETE CYLINDERS
OR FLEX STRENGTH OF CONCRETE BEAMS

DATE OF REPORT 1/26/93

PAGE 2

PROJECT NO. SAM'S CLUB - MICHITA, KS
CONTRACTOR CRANE CONSTRUCTION CO. INC
10825 FINANCIAL PARKWAY
LITTLE ROCK, AR 72201

OWNER WAL-MART STORES, INC.
CLASS OF CONCRETE 3500
CONCRETE SUPPLIER ALLEN'S CONCRETE

LAB TECHNICIAN D COBB REMARKS
FIELD TECHNICIAN J OSBOURN
LAB PROJECT NO. 30,431

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TEST RESULTS

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SPECIMEN NUMBER	PORTION OF CONSTRUCTION REPRESENTED BY SPECIMEN	DATE			TEMP		TIME TEST	DELIVERY TICKET #	AGE	AIR CONTENT	SLUMP	WEIGHT IN LBS	UNIT STRENGTH
		MADE	TESTED	IN LAB	AIR	CONC							
1-12-B	FLOOR SLAB GRIDS H-J	1/12/93	2/ 9/93	1/12/93					28	%	4"	28.1	
1-12-C	AND 7-3	1/12/93	2/ 9/93	1/12/93					28	%	4"	28.1	
1-18-A		1/18/93	1/25/93	1/19/93	30	62			7	%	4"	27.6	4103
1-18-B	FLOOR SLAB GRIDS 2-3 &	1/18/93	2/15/93	1/19/93					28	%	4"	27.6	
1-18-C	D-F	1/18/93	2/15/93	1/19/93					28	%	4"	27.6	
1-18-D		1/18/93	1/25/93	1/19/93	30	64			7	%	4"	27.8	4032
1-18-E	FLOOR SLAB GRIDS 2-3	1/18/93	2/15/93	1/19/93					28	%	4"	27.8	
1-18-F	& A-D	1/18/93	2/15/93	1/19/93					28	%	4"	27.8	

KAW VALLEY ENGINEERING AND DEVELOPMENT INC.
P.O. BOX 1304 JUNCTION CITY, KANSAS 66441

COMPRESSIVE STRENGTH OF CONCRETE CYLINDERS
OR FLEX STRENGTH OF CONCRETE BEAMS

DATE OF REPORT 1/25/93

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PROJECT NO. SAM'S CLUB - WICHITA, KS
CONTRACTOR CRANE CONSTRUCTION CO, INC
10825 FINANCIAL PARKWAY
LITTLE ROCK, AR 72201

OWNER WAL-MART STORES, INC.
CLASS OF CONCRETE 1800
CONCRETE SUPPLIER KLANS MASONRY

LAB TECHNICIAN D COBB
FIELD TECHNICIAN J OSBOURN
LAB PROJECT NO. 30,431

REMARKS

TEST RESULTS

SPECIMEN NUMBER	PORTION OF CONSTRUCTION REPRESENTED BY SPECIMEN	MADE	DATE TESTED	IN LAB	TEMP AIR	COND	TIME TEST	DELIVERY TICKET #	AGE	AIR CONTENT	SLUMP	WEIGHT IN LBS	UNIT STRENGTH
12-21-A		12/21/92	12/28/92	12/24/92	49	42			7	%	"		1432
12-21-B	TMA WALLS-0'-5-HIGH	12/21/92	1/18/93	12/24/92					28	%	"		2228
12-21-C		12/21/92	1/18/93	12/24/92					28	%	"		2546
12-22-A		12/22/92	12/29/92	12/25/92	41	46			7	%	"		2228
12-22-B	TMA WALLS -5'-12' HIGH	12/22/92	1/19/93	12/25/92					28	%	"		2387
12-22-C		12/22/92	1/19/93	12/25/92					28	%	"		2324
12-23-A		12/23/92	12/30/92	12/24/92	43	44			7	%	"		2005
12-23-B	TMA WALLS-15'-22' HIGH	12/23/92	1/20/93	12/24/92					28	%	"		2196
12-23-C		12/23/92	1/20/93	12/24/92					28	%	"		2387
12-28-A		12/28/92	1/ 9/93	12/31/92	46	44			7	%	"		1273
12-28-B	PUMPHOUSE FOUNDATION	12/28/92	1/25/93	12/31/92					28	%	"		2260
12-28-C	WALLS	12/28/92	1/25/93	12/31/92					28	%	"		2049
1-5-A		1/ 5/93	1/12/93	1/ 9/93	38	38			7	%	"		1305
1-5-B	FIRE PUMPHOUSE WALLS	1/ 5/93	2/ 2/93	1/ 9/93					28	%	"		
1-5-C		1/ 5/93	2/ 2/93	1/ 9/93					28	%	"		

KAW VALLEY ENGINEERING AND DEVELOPMENT INC.
P.O. BOX 1304 JUNCTION CITY, KANSAS 66441

COMPRESSIVE STRENGTH OF CONCRETE CYLINDERS
OR FLEX STRENGTH OF CONCRETE BEAMS

DATE OF REPORT 1/26/93

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PROJECT NO. SAM'S CLUB - WICHITA, KS
CONTRACTOR CRANE CONSTRUCTION CO, INC
10825 FINANCIAL PARKWAY
LITTLE ROCK, AR 72201

OWNER WAL-MART STORES, INC.

CLASS OF CONCRETE 2000
CONCRETE SUPPLIER ALLEN'S CONCRETE

LAB TECHNICIAN D COBB
FIELD TECHNICIAN J OSBOURN
LAB PROJECT NO. 30,431
REMARKS GROUT

TEST RESULTS

SPECIMEN NUMBER	PORTION OF CONSTRUCTION REPRESENTED BY SPECIMEN	MADE	DATE TESTED	IN LAB	TEMP AIR	CONC	TIME TEST	DELIVERY TICKET #	AGE	AIR CONTENT	SLUMP	WEIGHT IN LBS	UNIT STRENGTH
12-1-A	SOUTHWALL-COL. A-E	12/ 1/92	12/ 8/92	12/ 4/92	46	51			7	%	"		2476
12-1-B	20' - 26' HIGH	12/ 1/92	12/29/92	12/ 4/92					28	%	"		3225
12-1-C	TRUCK DOCK AREA 5'10' HIGH	12/ 1/92	12/29/92	12/ 4/92					28	%	"		3296
12-2-A		12/ 2/92	12/ 9/92	12/ 4/92	42	58			7	%	"		2164
12-2-B	TRUCK DOCK WALLS	12/ 2/92	12/30/92	12/ 4/92					28	%	"		3607
12-2-C	10' - 15' HIGH	12/ 2/92	12/30/92	12/ 4/92					28	%	"		3395
12-8-A		12/ 8/92	12/15/92	12/10/92	40	61			7	%	"		1301
12-8-B	TRUCK DOCK AREA	12/ 8/92	1/ 5/93	12/10/92					28	%	"		3852
12-8-C	20'-25' HIGH	12/ 8/92	1/ 5/93	12/10/92					28	%	"		3661
12-9-A	TRUCK DOCK AREA 25'-31' HIGH	12/ 9/92	12/16/92	12/10/92	40	61			7	%	"		1751
12-9-B		12/ 9/92	1/ 6/93	12/10/92					28	%	"		2037
12-9-C		12/ 9/92	1/ 6/93	12/10/92					28	%	"		2069
12-22-A		12/22/92	12/28/92	12/24/92	48	54			7	%	"		1293
12-22-B	TMA WALLS-0'-12' HIGH	12/22/92	1/19/93	12/24/92					28	%	"		3395
12-22-C		12/22/92	1/19/93	12/24/92					28	%	"		3112
12-28-A		12/28/92	1/ 4/93	12/31/92	41	52			7	%	"		2278
12-28-B	TMA WALLS -15' - 20' HIGH	12/28/92	1/25/93	12/31/92					28	%	"		2971
12-28-C		12/28/92	1/25/93	12/31/92					28	%	"		2858
1-5-A		1/ 5/93	1/12/93	1/ 9/93	38	42			7	%	"		1344
1-5-B	FIRE PUMPHOUSE WALLS	1/ 5/93	2/ 2/93	1/ 9/93					28	%	"		
1-5-C		1/ 5/93	2/ 2/93	1/ 9/93					28	%	"		

KAW VALLEY ENGINEERING AND DEVELOPMENT INC.
P.O. BOX 1304 JUNCTION CITY, KANSAS 66441

COMPRESSIVE STRENGTH OF CONCRETE CYLINDERS
OR FLEX STRENGTH OF CONCRETE BEAMS

DATE OF REPORT 2/ 3/93

PAGE 1

PROJECT NO. SAM'S CLUB - WICHITA, KS
CONTRACTOR CRANE CONSTRUCTION CO INC
10825 FINANCIAL PARKWAY
LITTLE ROCK, AR 72201

OWNER WAL-MART STORES, INC.
CLASS OF CONCRETE 3500
CONCRETE SUPPLIER ALLEN'S CONCRETE CO.

LAB TECHNICIAN D COBB
FIELD TECHNICIAN J OSBOURN
LAB PROJECT NO. 30,431
REMARKS

TEST RESULTS

SPECIMEN NUMBER	PORTION OF CONSTRUCTION REPRESENTED BY SPECIMEN	MADE	DATE		TEMP		TIME TEST	DELIVERY TICKET #	AGE	AIR CONTENT	SLUMP	WEIGHT IN LBS	UNIT STRENGTH
			TESTED	IN LAB	AIR	CONC							
12-28-A	FLOOR SLAB COL LINES	12/28/92	1/ 4/93	12/31/92	41	64			7	3.4%	4 1/2"	27.6	3678
12-28-B	2-2,3 & K-L	12/28/92	1/25/93	12/31/92					28	3.4%	4 1/2"	27.6	4952
12-29-C		12/28/92	1/25/93	12/31/92					28	3.4%	4 1/2"	27.6	5093
12-30-A	FLOOR SLAB-COL- LINE 2-4	12/30/92	1/ 6/93	12/31/92	38	66			7	% 3 3/4"		27.3	3926
12-30-B	& K-J	12/30/92	1/27/93	12/31/92					28	% 3 3/4"		27.3	5128
12-30-C		12/30/92	1/27/93	12/31/92					28	% 3 3/4"		27.3	4952
12-30-D	FLOOR SLAB COL LINE	12/30/92	1/ 6/93	12/31/92	38	68			7	% 4"		27.5	3148
12-30-E	J-K & 3-5	12/30/92	1/27/93	12/31/92					28	% 4"		27.5	4280
12-30-F		12/30/92	1/27/93	12/31/92					28	% 4"		27.5	4067
1-6-D		1/ 6/93	1/11/93	1/ 9/93	26	68			5	4.1%	4"	27.6	3112
1-6-E	CONDENSER PAD	1/ 6/93	2/ 3/93	1/ 9/93					28	4.1%	4"	27.6	
1-6-F		1/ 6/93	2/ 3/93	1/ 9/93					28	4.1%	4"	27.6	
1-7-A	FLOOR SLAB GRIDS 6-H	1/ 7/93	1/14/93	1/ 9/93	32	62			7	% 2 1/4"		27.6	4067
1-7-B	AND 7-9	1/ 7/93	2/ 4/93	1/ 9/93					28	% 2 1/4"		27.6	
1-7-C		1/ 7/93	2/ 4/93	1/ 9/93					28	% 2 1/4"		27.6	
1-7-D	FLOOR SLAB GRIDS 6-H	1/ 7/93	1/14/93	1/ 9/93	32	61			7	% 3 3/4"		27.9	4032
1-7-E	AND 4 - 7	1/ 7/93	2/ 4/93	1/ 9/93					28	% 3 3/4"		27.9	
1-7-F		1/ 7/93	2/ 4/93	1/ 9/93					28	% 3 3/4"		27.9	
1-8-A	FLOOR SLAB GRIDS J-F	1/ 8/93	1/15/93	1/ 9/93	27	68			7	% 4"		27.9	4244
1-8-B	AND 2-3	1/ 8/93	2/ 5/93	1/ 9/93					28	% 4"		27.9	
1-8-C		1/ 8/93	2/ 5/93	1/ 9/93					28	% 4"		27.9	
1-9-A	FLOOR SLAB GRIDS H-J	1/ 9/93	1/15/93	1/12/93	36	60			7	% 3"		27.8	4173
1-9-B	AND 8-9	1/ 9/93	2/ 6/93	1/12/93					28	% 3"		27.8	
1-9-C	AND 7-C	1/ 9/93	2/ 6/93	1/12/93					28	% 3"		27.8	
1-12-A		1/12/93	1/19/93	1/12/93	41	62			7	% 4"		28.1	4158

KAW VALLEY ENGINEERING AND DEVELOPMENT INC.
P.O. BOX 1304 JUNCTION CITY, KANSAS 66441

COMPRESSIVE STRENGTH OF CONCRETE CYLINDERS
OR FLEX STRENGTH OF CONCRETE BEAMS

DATE OF REPORT 2/ 3/93

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PROJECT NO. SAM'S CLUB - WICHITA, KS
CONTRACTOR CRANE CONSTRUCTION CO INC
10925 FINANCIAL PARKWAY
LITTLE ROCK, AR 72201

OWNER WAL-MART STORES, INC.
CLASS OF CONCRETE 3500
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LAB TECHNICIAN D COBB
FIELD TECHNICIAN J OSBOURN
LAB PROJECT NO. 30,431
REMARKS

TEST RESULTS

SPECIMEN NUMBER	PORTION OF CONSTRUCTION REPRESENTED BY SPECIMEN	MADE	DATE		TEMP		TIME TEST	DELIVERY TICKET #	AGE	AIR CONTENT	SLUMP	WEIGHT IN LBS	UNIT STRENGTH
			TESTED	IN LAB	AIR	CONC							
1-12-B	FLOOR SLAB GRIDS H-J	1/12/93	2/ 9/93	1/12/93					28	%	4"	28.1	
1-12-C	AND 7-3	1/12/93	2/ 9/93	1/12/93					28	%	4"	28.1	
1-18-A		1/18/93	1/25/93	1/19/93	30	62			7	%	4"	27.6	4103
1-18-B	FLOOR SLAB GRIDS 2-3 &	1/18/93	2/15/93	1/19/93					28	%	4"	27.6	
1-18-C	D-F	1/18/93	2/15/93	1/19/93					28	%	4"	27.6	
1-18-D		1/18/93	1/25/93	1/19/93	36	64			7	%	4"	27.8	4032
1-18-E	FLOOR SLAB GRIDS 2-3	1/18/93	2/15/93	1/19/93					28	%	4"	27.8	
1-18-F	& A-D	1/18/93	2/15/93	1/19/93					28	%	4"	27.8	
1-25-A		1/25/93	2/ 1/93	1/26/93	36	64			7	%	4"	27.7	3997
1-25-B	FLOOR SLAB GRIDS 4-9 &	1/25/93	2/22/93	1/26/93					28	%	4"	27.7	
1-25-C	A-B	1/25/93	2/22/93	1/26/93					28	%	4"	27.7	