R. W. Gillespie & Associates, Inc.

86 Industrial Park Road, Suite 4, Saco, ME 04072 207-286-8008

200 International Drive, Suite 170, Portsmouth, NH 03801 603-427-0244

LETTER OF TRANSMITTAL

Date: June 23, 2010	Project No.: 557-14
Attention: Mr. Cuyler Feagles (cmf@portlandmaine.gov)	
Re: Concrete Testing Terminal Enhancement, Portland Int. Jetport Portland, Maine	

City of Portland, Portand Int. Jetport

1001 Westbrook Street

Portland, Maine 04102

We are sending you attached concrete cylinder test results.

Cylinder No. (s)	Age (Days)
65588	28
65589	28
65596	28
65597	28
65604	28
65605	28

Remarks:

Copy To:
Roy Williams: rsw@portlandmaine.gov
Jim Stanislaski: jim_stanislaski@gensler.com
Cliff Takara: clifford_takara@gensler.com
Lacey Fogg: Lacey.Fogg@amec.com
Mike Fusco: mfusco@tcco.com
Shaun Winner: swinner@tcco.com
Phil Coleman: pcoleman@tcco.com
Elizabeth O'Toole: eotoole@tcco.com
TMM@portlandmaine.gov
ldobson@portlandmaine.gov
rdixon@tcco.com
gemitchell@tcco.com

Signed: Bertha Dawn

If enclosures are not as noted, kindly notify us at once.

R. W. GILLESPIE & ASSOCIATES, INC.

86 Industrial Park Road, Suite 4, Saco, ME 04072 207-286-8008
200 International Drive, Suite 170, Portsmouth, NH 03801 603-427-0244

CONCRETE TEST/PLACEMENT REPORT

Project Name: Terminal Enhancement, Portland Int. Jetport
Project No: 557-14
Weather Conditions: Sun
Method of Placement: Rear Discharge
Admixtures: Mid Range Water Reducer
Placement Location: Footings: XD/24, 25, & 26
Test Cylinder Location: XD/26 Bottom half of South End

Date Cylinders Cast: 26-May-10
Concrete Supplier: Auburn
General Contractor: Turner
Design Strength: 4,000
Max Agg. Size: 3/4

Date Report Issued: JUN 2 3 2010

4x8 Cylinders	8	Cast by	Michael J. Kramlich	Time	
Load No.	2	Slump (in) ASTM C 143	4.0	Batched @	10:56
Ticket No.	170356	Air (°F)	87	Arrived @	11:19
Truck No.	102	Concrete (°F) ASTM C 1064	83	Total Time	35±
Cubic Yds.	10	Air Content (%) ASTM C 231	4.5		

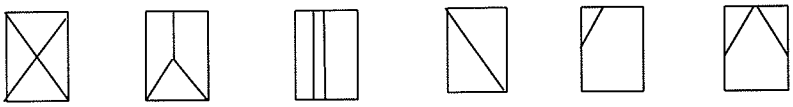
*Concrete sampled by ASTM C 172

Specimen Storage ASTM C 31: Field cure days: 1
Date received 27-May-10
Condition of Cylinders: Good

Lab No.	Test Date	Avg Dia (in)	Area (in²)	Age (Days)	Load (lbs)	Compressive Strength (psi)	Break type
65584	01-Jun-10	4.019	12.69	6	51,880	4090	3
65585	01-Jun-10	4.019	12.69	6	51,840	4090	2
*65586	HOLD			HOLD			
*65587	HOLD			HOLD			
65588	23-Jun-10	4.024	12.72	28	74,360	5850	2
65589	23-Jun-10	4.024	12.72	28	72,080	5670	5
*65590	HOLD			HOLD			
*65591	HOLD			HOLD			

*Concrete compressive strength by ASTM C 39

Types of Breaks

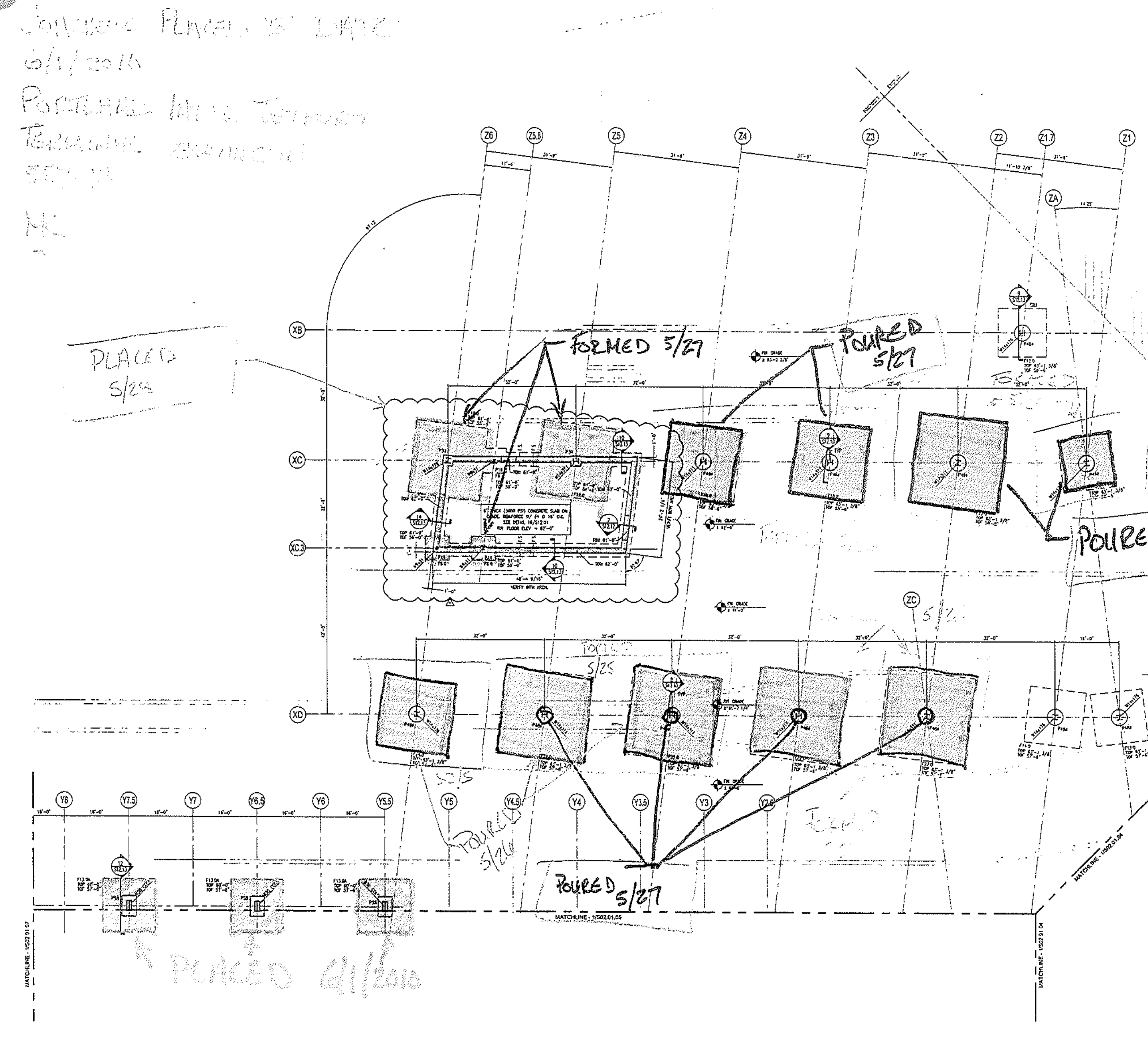


Cone 1 | Cone & Split 2 | Columnar 3 | Shear 4 | Side Fracture 5 | Double Side Fracture 6

Load	Ticket Number	Truck Number	Cubic Yds	Slump (inches)	Air Temp (°F)	Conc Temp (°F)	(%) Air Content	Time (min.)
1	170355	100	10	--	--	--	--	35±
**3	170357	83	10	--	--	--	--	60±
4	170358	118	10	--	--	--	--	45±
5	170359	94	10	--	--	--	--	35±

Remarks: Total Loads = 13
*Field Cured.
**Concrete was placed via excavator while truck was stuck.

Checked by: Matthew T. Grady, Manager of MTS



FOUNDATION PLAN - LEVEL 1&2 - ZONE 6
SCALE: 1/8" = 1'-0"

1

SHEET NOTES

GENERAL NOTES

KEY PLAN

7 | 5 | 4 | 3 | 2 | 1

Portland International Jetport
1001 Westbrook Street
Portland, Maine 04102

Gensler

nest ASSOCIATES, INC.
engineers · architects · surveyors · construction managers

No.	Date & Issue Description
01	07/31/08 SCHEMATIC DESIGN
02	09/22/08 DESIGN DEVELOPMENT
03	12/03/08 75% CONSTRUCTION DOCUMENTS
04	01/23/09 95% CONSTRUCTION DOCUMENTS
05	10/26/09 ISSUED FOR PERMIT
06	01/12/10 BULLETIN #1

FOUNDATION PLAN - LEVEL 1&2 - ZONE 6

1/8" = 1'-0"

S02.01.06

R. W. GILLESPIE & ASSOCIATES, INC.

86 Industrial Park Road, Suite 4, Saco, ME 04072 207-286-8008
200 International Drive, Suite 170, Portsmouth, NH 03801 603-427-0244

CONCRETE TEST/PLACEMENT REPORT

Project Name: Terminal Enhancement, Portland Int. Jetport
Project No: 557-14
Weather Conditions: Sun
Method of Placement: Rear Discharge
Admixtures: Mid Range Water Reducer
Placement Location: Footings: XD/24, 25, & 26
Test Cylinder Location: XD/24

Date Cylinders Cast: 26-May-10
Concrete Supplier: Auburn
General Contractor: Turner
Design Strength: 4,000
Max Agg. Size: 3/4

Date Report Issued: JUN 2 3 2010

4x8 Cylinders	8	Cast by	Michael J. Kramlich	Time	
Load No.	6	Slump (in) ASTM C 143	3.0	Batched @	11:32
Ticket No.	170360	Air (°F)	87	Arrived @	12:15
Truck No.	98	Concrete (°F) ASTM C 1064	84	Total Time	50±
Cubic Yds.	10	Air Content (%) ASTM C 231	4.7		

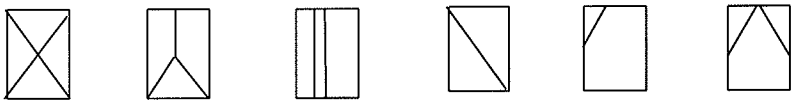
*Concrete sampled by ASTM C 172

Specimen Storage ASTM C 31: Field cure days: 1
Date received: 27-May-10
Condition of Cylinders: Good

Lab No.	Test Date	Avg Dia (in)	Area (in²)	Age (Days)	Load (lbs)	Compressive Strength (psi)	Break type
65592	01-Jun-10	4.019	12.69	6	47,640	3750	2
65593	01-Jun-10	4.019	12.69	6	50,620	3990	5
*65594	HOLD			HOLD			
*65595	HOLD			HOLD			
65596	23-Jun-10	4.024	12.72	28	70,680	5560	2
65597	23-Jun-10	4.024	12.72	28	69,900	5500	2
*65598	HOLD			HOLD			
*65599	HOLD			HOLD			

*Concrete compressive strength by ASTM C 39

Types of Breaks

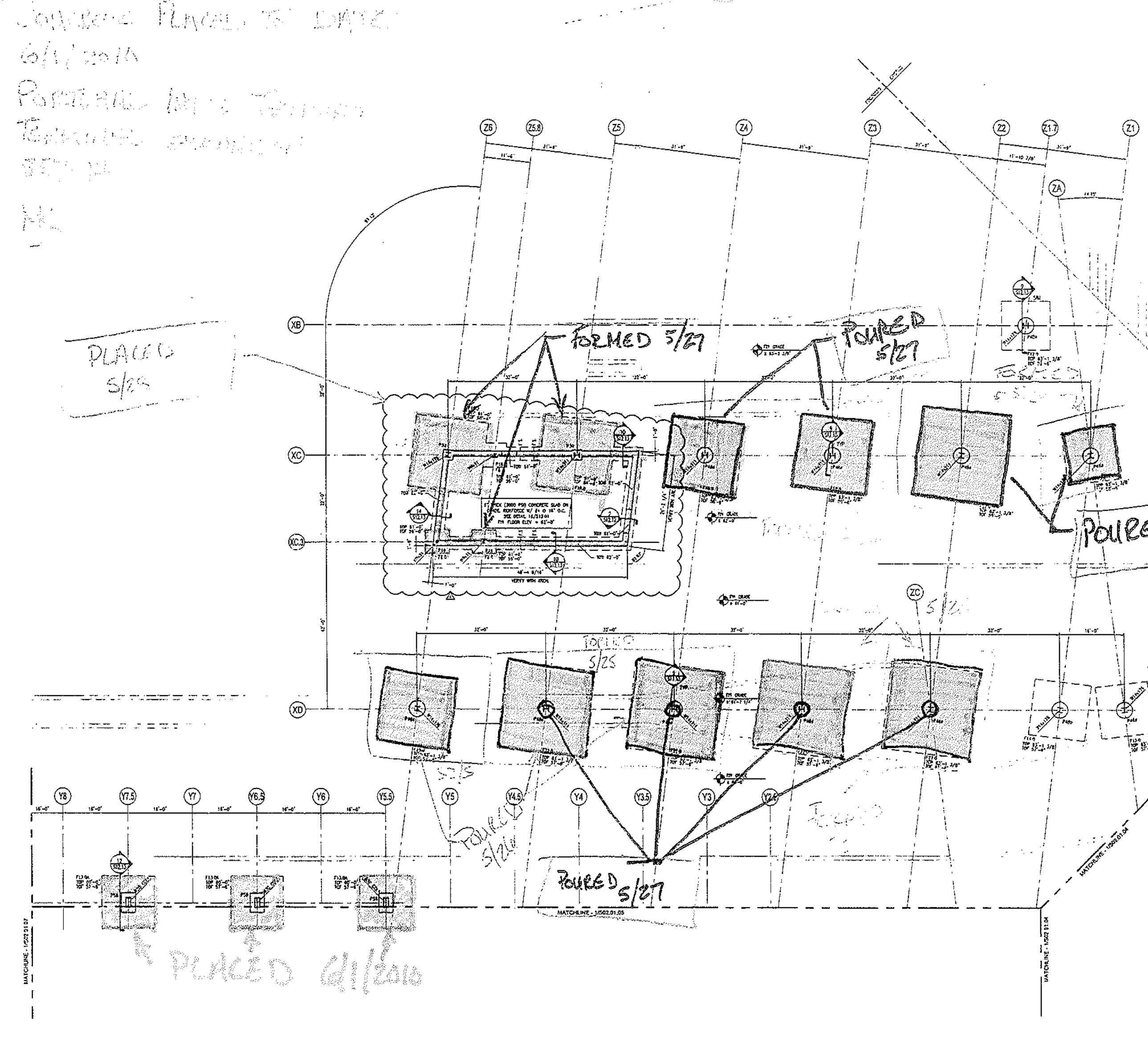


Cone 1 | Cone & Split 2 | Columnar 3 | Shear 4 | Side Fracture 5 | Double Side Fracture 6

Load	Ticket Number	Truck Number	Cubic Yds	Slump (inches)	Air Temp (°F)	Conc Temp (°F)	(%) Air Content	Time (min.)
7	170361	98	10	--	--	--	--	55±
8	170362	97	10	--	--	--	--	55±
9	170364	86	10	--	--	--	--	45±
10	170365	100	10	--	--	--	--	45±

Remarks: Total Loads = 13
*Field Cured.

Checked by: Matthew T. Grady
Matthew T. Grady, Manager of MTS



FOUNDATION PLAN - LEVEL 1&2 - ZONE 6
SCALE 1/8" = 1'-0"

1

SHEET NOTES

GENERAL NOTES

KEY PLAN

Portland International Jetport
1001 Westbrook Street
Portland, Maine 04102

Gensler

ASSOCIATES, INC.
engineers · architects · surveyors · construction managers

	Issue	Date & Issue Description	By	Check
--	01	07/31/08 SCHEMATIC DESIGN	JOE	--
--	02	09/22/08 DESIGN DEVELOPMENT	JOE	--
--	03	12/03/08 75% CONSTRUCTION DOCUMENTS	JOE	--
--	04	01/23/09 95% CONSTRUCTION DOCUMENTS	JOE	--
--	05	10/26/09 ISSUED FOR PERMIT	JOE	--
1	06	01/12/10 BULLETIN #1	JOE	--

PWM Terminal Enhancement

FOUNDATION PLAN - LEVEL 1&2 - ZONE 6

1/8" = 1'-0"

S02.01.06

R. W. GILLESPIE & ASSOCIATES, INC.

86 Industrial Park Road, Suite 4, Saco, ME 04072 207-286-8008
200 International Drive, Suite 170, Portsmouth, NH 03801 603-427-0244

CONCRETE TEST/PLACEMENT REPORT

Project Name: Terminal Enhancement, Portland Int. Jetport
Project No: 557-14
Weather Conditions: Sun
Method of Placement: Rear Discharge
Admixtures: Mid Range Water Reducer
Placement Location: Footings: XD/24, 25, & 26
Test Cylinder Location: XD/25 Top of North Side, XD/24 Top of South Side

Date Cylinders Cast: 26-May-10
Concrete Supplier: Auburn
General Contractor: Turner
Design Strength: 4,000
Max Agg. Size: 3/4

Date Report Issued: JUN 2 3 2010

4x8 Cylinders	8	Cast by	Michael J. Kramlich	Time	
Load No.	11	Slump (in) ASTM C 143	4.0	Batched @	12:42
Ticket No.	170367	Air (°F)	87	Arrived @	1:03
Truck No.	94	Concrete (°F) ASTM C 1064	84	Total Time	40±
Cubic Yds.	10	Air Content (%) ASTM C 231	4.0		

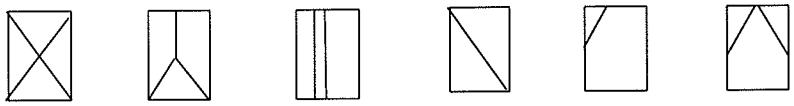
*Concrete sampled by ASTM C 172

Specimen Storage ASTM C 31: Field cure days: 1
Date received: 27-May-10
Condition of Cylinders: Good

Lab No.	Test Date	Avg Dia (in)	Area (in²)	Age (Days)	Load (lbs)	Compressive Strength (psi)	Break type
65600	01-Jun-10	4.019	12.69	6	50,040	3940	2
65601	01-Jun-10	4.019	12.69	6	48,660	3830	2
*65602	HOLD			HOLD			
*65603	HOLD			HOLD			
65604	23-Jun-10	4.024	12.72	28	73,360	5770	2
65605	23-Jun-10	4.024	12.72	28	73,220	5760	2
*65606	HOLD			HOLD			
*65607	HOLD			HOLD			

*Concrete compressive strength by ASTM C 39

Types of Breaks

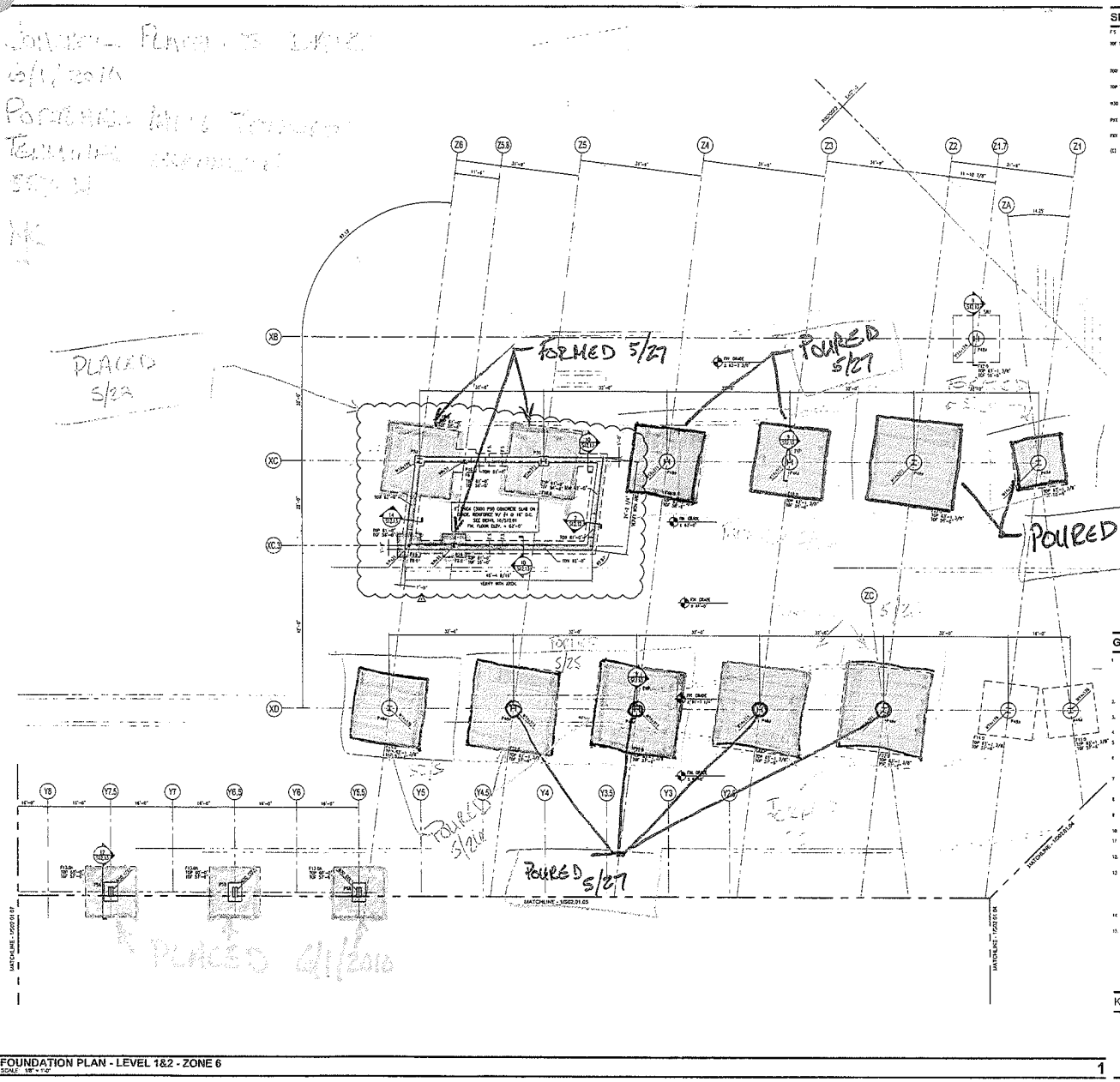


Cone 1 | Cone & Split 2 | Columnar 3 | Shear 4 | Side Fracture 5 | Double Side Fracture 6

Load	Ticket Number	Truck Number	Cubic Yds	Slump (inches)	Air Temp (°F)	Conc Temp (°F)	(%) Air Content	Time (min.)
12	170368	97	10	--	--	--	--	--
13	170369	98	10	--	--	--	--	--

Remarks: Total Loads = 13
*Field Cured.

Checked by: Matthew T. Grady
Matthew T. Grady, Manager of MTS



SHEET NOTES

FS INDICATES FOOTING STEP, SEE DETAIL ON SHEET S10.01

TOP X'-X" (EXAMPLE) INDICATES TOP OF FOOTING ELEVATION (I.E. TOPPY/CONCRETE, NOW FINAL GRADE). ALL BOTTOM OF FOOTING ELEVATIONS ARE (-) 1'-0" (ONE) BELOW FINISHED GRADE.

TOP X'-X" (EXAMPLE) INDICATES TOP OF WALL, TOP VARIES SEE DETAILS & COORDINATE W/ ARCH DWGS

TOP X'-X" (EXAMPLE) INDICATES TOP OF PIER, TOP TO BE 0'-6" BELOW

W30 C60 INDICATES W30x191 W/ 6 3/4" WELDED BETWEEN EACH "JAWS"- SEE SECTIONS FOR MORE INFORMATION

PIPE INDICATES PIER PIPE, SEE SCHEDULE ON SHEET S01.31.04

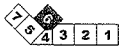
FTG INDICATES FOOTING TYPE, SEE SCHEDULE ON SHEET S01.31.04

(E) INDICATES EXISTING

GENERAL NOTES

1. ALL EXISTING CONDITIONS SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO THE START OF WORK. IF CONDITIONS OR SITE FORBID THE INSTALLATION OF THE WORK IN ACCORDANCE WITH THE DETAILS AS SHOWN, THE CONTRACTOR SHALL STUDY THE INCORRECT ASSEMBLY AND PROVIDE A SKETCH OF THE CONDITION WITH PROPOSED MODIFICATION FOR REVIEW BY ARCHITECT.
2. CONTRACTOR TO COORDINATE ALL DRAWINGS AND DISCREPANCIES WITH ARCHITECTURAL DRAWINGS PRIOR TO START OF WORK.
3. SEE SHEET S00.00 FOR GENERAL STRUCTURAL NOTES AND DESIGN LOADS.
4. SEE SHEET S10.01 FOR TYPICAL FOUNDATION DETAILS
5. CONTRACTOR SHALL COORDINATE ALL FLOOR OPENINGS WITH MECHANICAL DRAWINGS.
6. AT ALL LOCATIONS WHERE PIPING RUNS BENEATH SLAB ON GRADE, WALLS, EXCEPT FOOTINGS AS REQUIRED TO ALLOW 6" (MIN) CLEARANCE BETWEEN PIPE AND FOOTING.
7. CONTRACTOR SHALL SUBMIT LAY-OUT FOR SLAB ON GRADE CONSTRUCTION AND CONTRACTION JOINTS TO THE STRUCTURAL ENGINEER FOR APPROVAL PRIOR TO PLACING CONCRETE.
8. SEE KEY DWGS FOR DEPRESSED SLAB LOCATIONS AND DEPTHS
9. FIELD-LAP (2) #3 x 4'-0" LONG REINFORCING BARS AT ALL RE-ENTRANT SLAB CORNERS. SEE DETAILS ON SHEET S10.01.
10. ALL FOOTINGS TO BE CENTERED ON COL. GRID LINES (U.N.O.)
11. FLOOR SLABS AT THIS LEVEL SHALL BE INSTALLED WITH RADIANT HEAT COORDINATE W/ ARCH & MECH SHEETS
12. SEE GEOTECHNICAL REPORT BY HALEY & ALDRICH (MAY FILE NO. 32971-021 DATED 11 NOVEMBER 2020) FOUNDATIONS HAVE BEEN DESIGNED FOR A MAXIMUM ALLOWABLE BEARING PRESSURE OF 3000PSF. CONTRACTOR SHALL ALLOW OWNER'S GEOTECHNICAL ENGINEER TO OBSERVE SUBGRADE CONDITIONS TO CONFIRM BEARING CAPACITY PRIOR TO PLACEMENT OF FOOTINGS OR REINFORCING STEEL.
14. REFERENCE S02.01.05 AND SPECIFICATION SECTION 334000 FOR UNDERSLAB DRAINAGE REQUIREMENTS
15. OVER-EXCAVATION/REPLACEMENT OF UNSUITABLE SOILS MAY BE REQUIRED BELOW FOUNDATION BEARING LEVELS, SEE SHEET S10.00 AND SPECIFICATION SECTION 312000 FOR ADDITIONAL INFORMATION

KEY PLAN



FOUNDATION PLAN - LEVEL 1&2 - ZONE 6
SCALE: 1/8" = 1'-0"

1

Portland International Jetport
1001 Westbrook Street
Portland, Maine 04102

Gensler
2929 K Street, NW
Suite 200
Washington, DC 20008
Telephone 202.721.3303
Facsimile 202.872.0957

oest ASSOCIATES, INC.
engineers · architects · surveyors · construction managers

---	01	07/31/08 SCHEMATIC DESIGN	JDC	---
---	02	09/22/08 DESIGN DEVELOPMENT	JDC	---
---	03	12/03/08 75% CONSTRUCTION DOCUMENTS	JDC	---
---	04	01/13/09 95% CONSTRUCTION DOCUMENTS	JDC	---
---	05	10/29/09 ISSUED FOR PERMIT	JDC	---
1	06	01/12/10 BULLETIN #1	JDC	---

Project Name: PWM Terminal Enhancement

Project Number: 03.030.000

CAD File Name: T:\S-300001\SHEETS\S02.01.06.DWG

Description: FOUNDATION PLAN - LEVEL 1&2 - ZONE 6

Scale: 1/8" = 1'-0"

Ref. North

S02.01.06

CSWP3 Permittee