

R. W. Gillespie & Associates, Inc.

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

LETTER OF TRANSMITTAL

Date:	July 20, 2010	Project No.:	557-14
Attention:	Mr. Cuyler Feagles (cmf@portlandmaine.gov)		
Re:	In-Place Density Testing Terminal Enhancement, Portland Int. Jetport Portland, Maine		

City of Portland, Portland Int. Jetport

1001 Westbrook Street

Portland, Maine 04102

We are sending you attached In-Place Density Test Results.

Date(s) Performed:

June 28 through July 2, 2010

Test (s) Performed

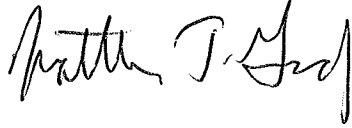
In-Place Density Testing - Nuclear Method ASTM D6938

- Meets Specification
- Selected Tests Do Not Meet Specification - Noted with an *

Note: Materials descriptions and maximum laboratory dry density values were transmitted under separate cover and are referenced in the attached summaries by the material number.

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
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 TMM@portlandmaine.gove
 ldobson@portlandmaine.gov
 bcybulski@tcco.com
 rdixon@tcco.com
 Geoff Mitchell: gemitchell@tcco.com

Signed: 

SUMMARY OF IN-PLACE DENSITIES - ASTM D6938
 TERMINAL ENHANCEMENT AT THE PORTLAND INTERNATIONAL JETPORT
 PORTLAND, MAINE
 RWG&A PROJECT NO. 557-14

Client: City of Portland
 Test Date: 6/28/2010
 Technician: RRC
 Gauge Model/Serial Number: L 244

Lab No.	Soil Description	ASTM D1557 Max Density	ASTM D1557 Opt. Moisture
11175	Subbase Gravel	129.8	8.4

Report Issue Date: **JUL 20 2010**

Test No.	Location Foundation Wall Backfill Zone 4	Elevation	ASTM D6938 Dry Density (pcf)	ASTM D6938 Water Content (%)	Percent of Max. (%)	Lab. No.
1	See Sketch	TOF+1'	124.6	5	96	11175
2	See Sketch	TOF+2'	123.6	5	95	11175
3	See Sketch	TOW-7'	123.7	4	95	11175
4	See Sketch	TOW-7'	127.3	3	98	11175
5	See Sketch	TOW-6'	124.2	4	96	11175
6	See Sketch	TOW-5'	125.6	4	97	11175
7	See Sketch	TOW-5'	127.4	4	98	11175

Remarks: Test require 95% of maximum density.

FG = Finish Grade
 FF = Finish Floor
 FGB = Finish Grade of Base
 FGSB = Finish Grade of Subbase
 FGSG = Finish Grade of Subgrade

TOW = Top of Foundation Wall
 BOW = Bottom of Wall
 BOF = Bottom of Footing
 SG = Subgrade
 TOF=Top of Footing

Checked by: 

Portland Jetport
Terminal Expansion
557-14
6/28
Rodney Callard RRC

Portland International
Jetport
1001 Westbrook Street
Portland, Maine 04102

Gensler
OBSE ASSOCIATES, INC.
ENGINEERS - ARCHITECTS - INTERIOR DESIGNERS

SHEET NOTES

1. ALL DIMENSIONS UNLESS OTHERWISE NOTED ARE IN FEET AND INCHES.
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KEY PLAN

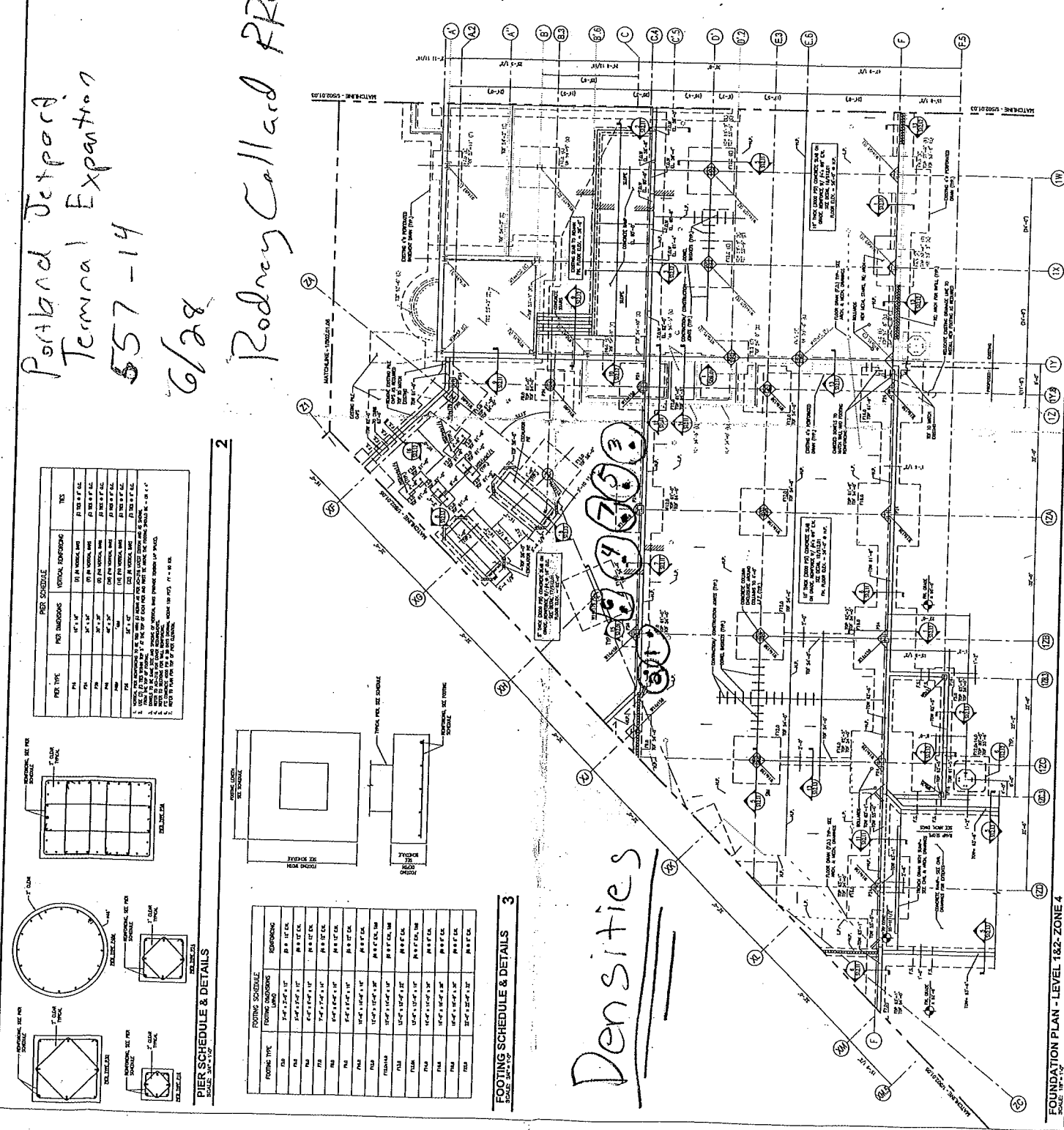
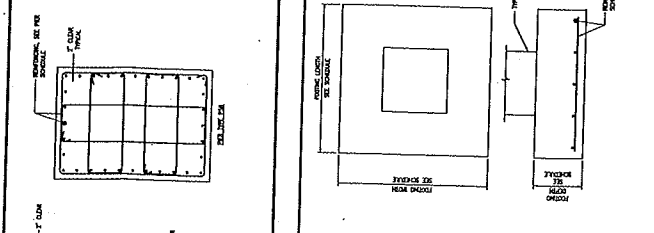
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PIER TYPE	PIER DIMENSIONS	PIER SCHEDULE	VERTICAL REINFORCING	TS
PA	10'-0" x 10'-0"	10' x 10' WOOD	10' x 10' WOOD	10' x 10' WOOD
PB	10'-0" x 10'-0"	10' x 10' WOOD	10' x 10' WOOD	10' x 10' WOOD
PC	10'-0" x 10'-0"	10' x 10' WOOD	10' x 10' WOOD	10' x 10' WOOD
PD	10'-0" x 10'-0"	10' x 10' WOOD	10' x 10' WOOD	10' x 10' WOOD
PE	10'-0" x 10'-0"	10' x 10' WOOD	10' x 10' WOOD	10' x 10' WOOD
PF	10'-0" x 10'-0"	10' x 10' WOOD	10' x 10' WOOD	10' x 10' WOOD
PG	10'-0" x 10'-0"	10' x 10' WOOD	10' x 10' WOOD	10' x 10' WOOD
PH	10'-0" x 10'-0"	10' x 10' WOOD	10' x 10' WOOD	10' x 10' WOOD
PI	10'-0" x 10'-0"	10' x 10' WOOD	10' x 10' WOOD	10' x 10' WOOD
PJ	10'-0" x 10'-0"	10' x 10' WOOD	10' x 10' WOOD	10' x 10' WOOD
PK	10'-0" x 10'-0"	10' x 10' WOOD	10' x 10' WOOD	10' x 10' WOOD
PL	10'-0" x 10'-0"	10' x 10' WOOD	10' x 10' WOOD	10' x 10' WOOD
PM	10'-0" x 10'-0"	10' x 10' WOOD	10' x 10' WOOD	10' x 10' WOOD
PN	10'-0" x 10'-0"	10' x 10' WOOD	10' x 10' WOOD	10' x 10' WOOD
PO	10'-0" x 10'-0"	10' x 10' WOOD	10' x 10' WOOD	10' x 10' WOOD
PP	10'-0" x 10'-0"	10' x 10' WOOD	10' x 10' WOOD	10' x 10' WOOD
PQ	10'-0" x 10'-0"	10' x 10' WOOD	10' x 10' WOOD	10' x 10' WOOD
PR	10'-0" x 10'-0"	10' x 10' WOOD	10' x 10' WOOD	10' x 10' WOOD
PS	10'-0" x 10'-0"	10' x 10' WOOD	10' x 10' WOOD	10' x 10' WOOD
PT	10'-0" x 10'-0"	10' x 10' WOOD	10' x 10' WOOD	10' x 10' WOOD
PU	10'-0" x 10'-0"	10' x 10' WOOD	10' x 10' WOOD	10' x 10' WOOD
PV	10'-0" x 10'-0"	10' x 10' WOOD	10' x 10' WOOD	10' x 10' WOOD
PW	10'-0" x 10'-0"	10' x 10' WOOD	10' x 10' WOOD	10' x 10' WOOD
PX	10'-0" x 10'-0"	10' x 10' WOOD	10' x 10' WOOD	10' x 10' WOOD
PY	10'-0" x 10'-0"	10' x 10' WOOD	10' x 10' WOOD	10' x 10' WOOD
PZ	10'-0" x 10'-0"	10' x 10' WOOD	10' x 10' WOOD	10' x 10' WOOD

PIER SCHEDULE & DETAILS

PIER TYPE	PIER DIMENSIONS	PIER SCHEDULE	VERTICAL REINFORCING
PA	10'-0" x 10'-0"	10' x 10' WOOD	10' x 10' WOOD
PB	10'-0" x 10'-0"	10' x 10' WOOD	10' x 10' WOOD
PC	10'-0" x 10'-0"	10' x 10' WOOD	10' x 10' WOOD
PD	10'-0" x 10'-0"	10' x 10' WOOD	10' x 10' WOOD
PE	10'-0" x 10'-0"	10' x 10' WOOD	10' x 10' WOOD
PF	10'-0" x 10'-0"	10' x 10' WOOD	10' x 10' WOOD
PG	10'-0" x 10'-0"	10' x 10' WOOD	10' x 10' WOOD
PH	10'-0" x 10'-0"	10' x 10' WOOD	10' x 10' WOOD
PI	10'-0" x 10'-0"	10' x 10' WOOD	10' x 10' WOOD
PJ	10'-0" x 10'-0"	10' x 10' WOOD	10' x 10' WOOD
PK	10'-0" x 10'-0"	10' x 10' WOOD	10' x 10' WOOD
PL	10'-0" x 10'-0"	10' x 10' WOOD	10' x 10' WOOD
PM	10'-0" x 10'-0"	10' x 10' WOOD	10' x 10' WOOD
PN	10'-0" x 10'-0"	10' x 10' WOOD	10' x 10' WOOD
PO	10'-0" x 10'-0"	10' x 10' WOOD	10' x 10' WOOD
PP	10'-0" x 10'-0"	10' x 10' WOOD	10' x 10' WOOD
PQ	10'-0" x 10'-0"	10' x 10' WOOD	10' x 10' WOOD
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PS	10'-0" x 10'-0"	10' x 10' WOOD	10' x 10' WOOD
PT	10'-0" x 10'-0"	10' x 10' WOOD	10' x 10' WOOD
PU	10'-0" x 10'-0"	10' x 10' WOOD	10' x 10' WOOD
PV	10'-0" x 10'-0"	10' x 10' WOOD	10' x 10' WOOD
PW	10'-0" x 10'-0"	10' x 10' WOOD	10' x 10' WOOD
PX	10'-0" x 10'-0"	10' x 10' WOOD	10' x 10' WOOD
PY	10'-0" x 10'-0"	10' x 10' WOOD	10' x 10' WOOD
PZ	10'-0" x 10'-0"	10' x 10' WOOD	10' x 10' WOOD

FOOTING SCHEDULE & DETAILS



Densities

SUMMARY OF IN-PLACE DENSITIES - ASTM D6938
 TERMINAL ENHANCEMENT AT THE PORTLAND INTERNATIONAL JETPORT
 PORTLAND, MAINE
 RWG&A PROJECT NO. 557-14

Client: City of Portland
 Test Date: 6/29/2010
 Technician: RRC
 Gauge Model/Serial Number: L 244

Lab No.	Soil Description	ASTM D1557 Max Density	ASTM D1557 Opt. Moisture
11194	Poorly Graded Sand	111.0	8.4

Report Issue Date: **JUL 20 2010**

Test No.	Location Foundation Wall Backfill Zone 4	Elevation	ASTM D6938 Dry Density (pcf)	ASTM D6938 Water Content (%)	Percent of Max. (%)	Lab. No.
1	Geothermal Line - See Sketch	FG-4'	106.8	4	96	11194
2	Geothermal Line - See Sketch	FG-3'	112.5	2	100+	11194
3	Geothermal Line - See Sketch	FG-3'	105.5	3	95	11194

Remarks: Test require 92% of maximum density.

FG = Finish Grade
 FF = Finish Floor
 FGB = Finish Grade of Base
 FGSB = Finish Grade of Subbase
 FGSG = Finish Grade of Subgrade

TOW = Top of Foundation Wall
 BOW = Bottom of Wall
 BOF = Bottom of Footing
 SG = Subgrade
 TOF = Top of Footing

Checked by: 

29/10557-14 Rodney Collard

SHEET NOTES

Portland International Jetport

1001 Westbrook Street
Portland, Maine 04102

2010 K Street, NW
Suite 200
Washington, DC 20006
Telephone: 202.771.5300
Facsimile: 202.772.4547

Gensler

nest ASSOCIATES, INC.
2000 Bank Street, Portland, ME 04106
11000 Park Ave. # 1000, Portland, ME 04106
engineers • architects • surveyors • construction managers

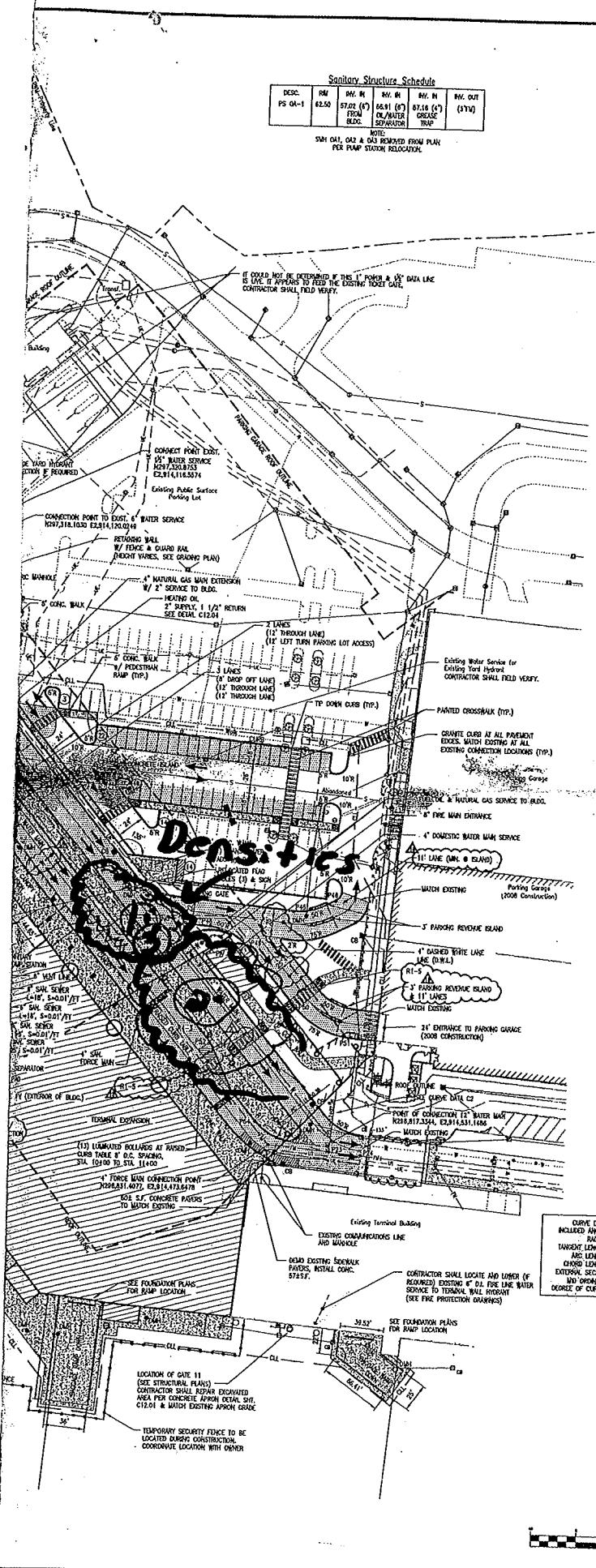
Sanitary Structure Schedule

DESC.	RM.	REV. IN	REV. IN	REV. IN	REV. OUT
PS 04-1	62.50	STAKE (10' FROM BLDG.)	BEAM (10' CL/INLET SEPARATOR TRAP)	87.16 (4' 7.16")	(10')

NOTE:
SM 041, 042 & 043 REMOVED FROM PLAN PER PUMP STATION RELOCATION.

Lottery Coordinate Schedule

Symbol	North	East
P1	207711.220	201302.668
P2	207711.220	201304.857
P3	207726.100	201307.406
P4	207726.100	201309.172
P5	207717.510	201377.472
P6	207720.000	201341.484
P7	207726.100	201358.856
P8	207726.100	201309.770
P9	207725.250	201325.813
P10	207743.100	201305.833
P11	207752.250	201304.040
P12	207750.500	201338.118
P13	207742.000	201304.358
P14	207726.100	201325.852
P15	207750.500	201324.866
P16	207711.220	201302.668
P17	207726.100	201301.957
P18	207742.000	201302.638
P19	207731.000	201402.730
P20	207711.220	201413.425
P21	207711.220	201453.207
P22	20681.800	201447.873
P23	20681.800	201428.090
P24	20692.500	201456.879
P25	20726.100	201305.321
P26	20728.100	201304.224
P27	20711.220	201312.616
P28	20707.100	201305.566
P29	20698.500	201102.050
P30	20703.500	201322.711
P31	20712.200	201305.822
P32	20712.200	201401.868
P33	20712.200	201407.270
P34	20712.200	201406.375
P35	20712.200	201305.321
P36	20710.500	201409.303
P37	20710.500	201407.578
P38	20713.200	201413.121
P39	20713.200	201410.105
P40	20713.200	201410.991
P41	20713.200	201415.581
P42	20717.000	201412.028
P43	20709.500	201430.893
P44	20713.200	201434.218
P45	20711.220	201440.774
P46	20711.220	201427.348
P47	20708.500	201405.573
P48	20708.500	201417.218
P49	20698.500	201402.730
P50	20681.800	201443.827
P51	20671.000	201454.454
P52	20669.500	201410.164
P53	20669.500	201440.018
P54	20661.000	201441.231



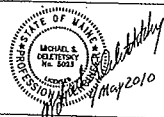
GENERAL NOTES

- ALL ENTRANCE ROADING, PAVED SURFACE PARKING AREAS AND PARKING GARAGE AREAS CURBS SHALL BE TYPE I GRANITE CURBS.
- CONCRETE CURBS SHALL BE USED IN THE EMPLOYEE PARKING LOTS.
- IMMEDIATE FIRE TO FIRE CURBS UNLESS OTHERWISE INDICATED.
- SEE ARCHITECTURAL PLANS FOR CONCRETE SIDEWALK PATTERN AND LAYOUT AT 12' IS FOOT WIDE ENTRANCE WALK.
- SEE STRUCTURAL PLANS FOR RAINWATER HEADING DETAILS IN SIDEWALK AND GARAGE FLOOR. SEE MECHANICAL PLAN M02.02 FOR RAINWATER LOCATIONS.
- CONTRACTOR SHALL PROVIDE TEMPORARY WATER MAIN TO MAINTAIN THE LOOP SYSTEM REQUIRED BY PORTLAND WATER DEPT. THE TEMPORARY LOOP FOR THE WATER MAIN AND OTHER REQUIRED SERVICES SHALL BE REVIEWED AND APPROVED BY PORTLAND FIRE DEPARTMENT AND THE CITY OF PORTLAND FIRE DEPARTMENT.
- PEDESTRIAN SIDEWALKS SHALL BE PROVIDED AT ALL STREET CORNERS, CROSSINGS AND DRIVEWAYS.

CURVE DATA C2
INCLUDED ANGLE = 45-03
RADIUS = 66.00'
TANGENT LENGTH = 27.37'
ARC LENGTH = 9.80'
CHORD LENGTH = 30.57'
EXTERNAL SECANT = 3.45'
L/D OR CHORD = 6.00'
DEGREE OF CURVE = 66-49



△	Date	Revised Description	By	Check
1	07/11/08	SCHEMATIC DESIGN	WJM	AHL
2	09/22/08		WJM	AHL
3	12/03/08	DESIGN DEVELOPMENT	WJM	AHL
4	01/23/09	20% CONSTRUCTION DOCUMENTS	WJM	AHL
5	10/28/09	50% CONSTRUCTION DOCUMENTS	WJM	FEM
6	11/12/09	ISSUED FOR PERMIT	WJM	FEM
7	01/12/10	ADDITIONAL P2	WJM	TW
8	02/05/10	BULLETIN #1	WJM	MSD
9	02/05/10	BULLETIN #6	WJM	MSD
10	05/03/10	BULLETIN #10	WJM	MSD



Project Name: P211 Terminal Enhancement
Drawing Number: 00-0384-000
CAD File Name: P:\033010\01\SHEETS\02.01.DWG
Description: SITE LAYOUT & UTILITIES PLAN

Scale: 1" = 40'

C02.01

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SUMMARY OF IN-PLACE DENSITIES - ASTM D6938
 TERMINAL ENHANCEMENT AT THE PORTLAND INTERNATIONAL JETPORT
 PORTLAND, MAINE
 RWG&A PROJECT NO. 557-14

Client: City of Portland
 Test Date: 6/30/2010
 Technician: RRC
 Gauge Model/Serial Number: L 244

Report Issue Date: **JUL 20 2010**

Lab No.	Soil Description	ASTM D1557 Max Density	ASTM D1557 Opt. Moisture
11194	Poorly Graded Sand	111.0	11.4
11280	Poorly Graded Sand w/ Silt & Gravel	132.5	6.9
11175	Subbase Gravel	129.8	8.4

Test No.	Location	Elevation	ASTM D6938 Dry Density (pcf)	ASTM D6938 Water Content (%)	Percent of Max. (%)	Lab. No.
1	Geothermal Line - see sketch	FG-5'	103.2	3	93	11194
2	Water Lateral Tie In - see sketch	FG-4'	102.6	3	92	11194
3	Geothermal Line - see sketch	FG-5'	103.8	3	94	11194
4	Geothermal Line - see sketch	FG-1'	126.1	3	97	11175
5	Geothermal Line - see sketch	FG-4'	125.8	6	95	11280
6	Geothermal Line - see sketch	FG-5'	103.4	3	93	11194
7	Water Lateral Tie In - see sketch	FG-3'	102.5	4	92	11194
8	Geothermal Line - see sketch	FG-3'	125.8	5	95	11280
9	Water Lateral Tie In - see sketch	FG-2'	106.8	3	96	11194
10	Water Lateral Tie In - see sketch	FG-1'	125.9	4	95	11280
11	Geothermal Line - see sketch	FG-3'	131.3	7	99	11280
12	Geothermal Line - see sketch	FG-5'	105.5	3	95	11194

Remarks: Tests reflecting Percent of Maximum Density less than 95% were taken on lifts 3 feet or greater below subgrade, and not under building structures.

FG = Finish Grade
 FF = Finish Floor
 FGB = Finish Grade of Base
 FGSB = Finish Grade of Subbase
 FGSG = Finish Grade of Subgrade

TOW = Top of Foundation Wall
 BOW = Bottom of Wall
 BOF = Bottom of Footing
 SG = Subgrade

Checked by: *Arthur J. Goff*

SUMMARY OF IN-PLACE DENSITIES - ASTM D6938
 TERMINAL ENHANCEMENT AT THE PORTLAND INTERNATIONAL JETPORT
 PORTLAND, MAINE

RWG&A PROJECT NO. 557-14

Client: City of Portland
 Test Date: 6/30/2010
 Technician: RRC
 Gauge Model/Serial Number: L 244

JUL 2 0 2010

Report Issue Date:

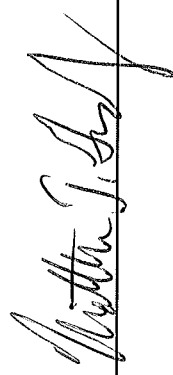
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Test No.	Location	Elevation	ASTM D6938 Dry Density (pcf)	ASTM D6938 Water Content (%)	Percent of Max. (%)	Lab. No.
13	Geothermal Line - see sketch	TOW-4'	126.4	4	97	11175
14	Geothermal Line - see sketch	FG-4'	126.3	9	95	11280
15	Geothermal Line - see sketch	FG-4'	105.7	4	95	11194
16	Geothermal Line - see sketch	FG-5'	103.1	3	93	11194
17	Geothermal Line - see sketch	FG -4'	102.3	3	92	11194

Remarks: Tests reflecting Percent of Maximum Density less than 95% were taken on lifts 3 feet or greater below subgrade, and not under building structures.

FG = Finish Grade
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 FGB = Finish Grade of Base
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 FGSG = Finish Grade of Subgrade

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Checked by: 

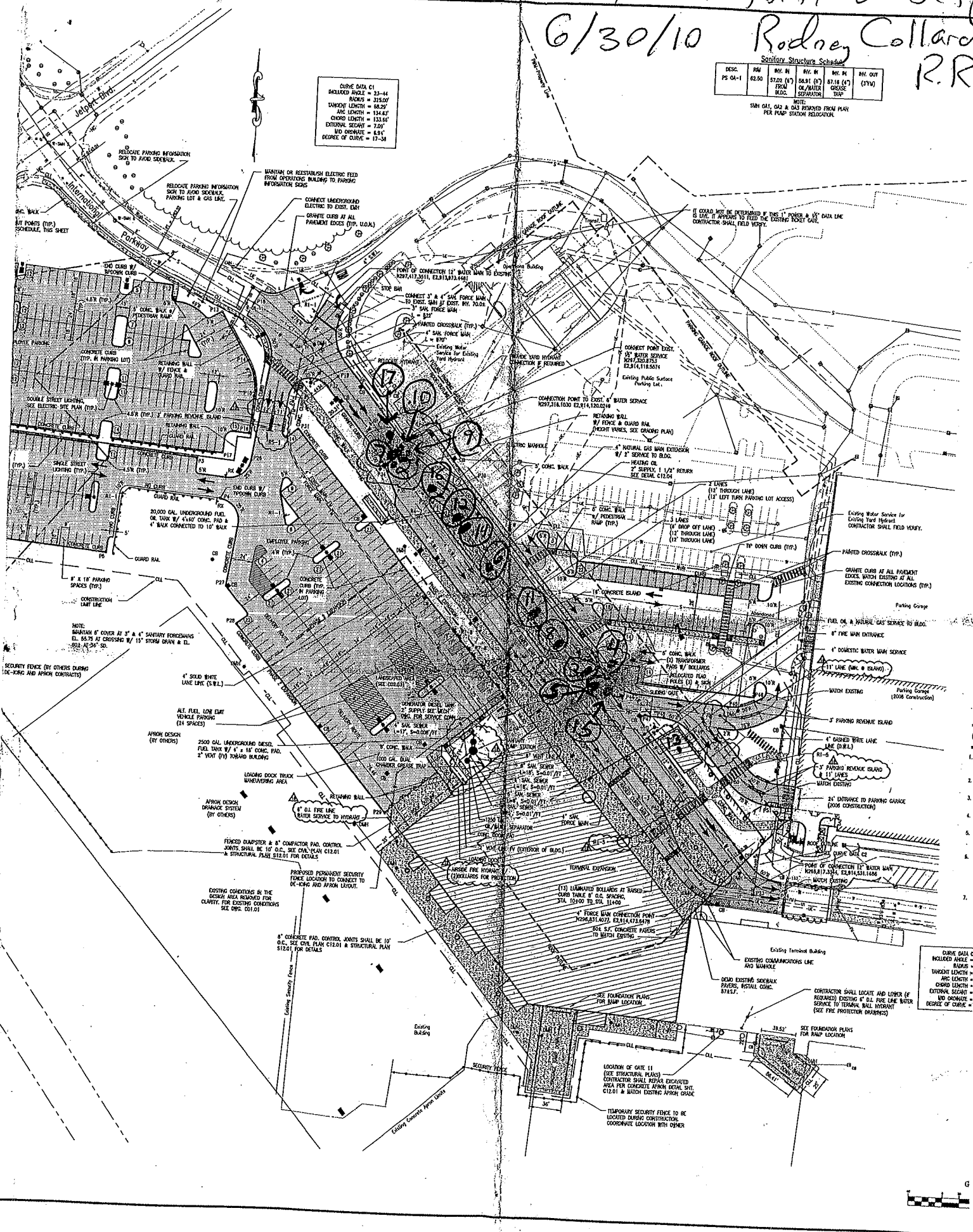
557-14 Portland Jet
 6/30/10 Rodney Collard
 R.R.

Sanitary Structure Schedule

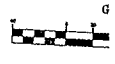
DESC.	RM	REV. #1	REV. #2	REV. #3	REV. #4	REV. #5
PS 04-1	82.50	57.00 (4')	56.81 (4')	57.14 (4')	57.14 (4')	57.14 (4')
		FROM BLDG.	OL/WATER SEPARATION	OL/WATER SEPARATION	OL/WATER SEPARATION	OL/WATER SEPARATION

NOTE:
 SAN 04-1, 04-2 & 04-3 REMOVED FROM PLAN FOR PUMP STATION RELOCATION.

CURVE DATA C1
 INCLUDED ANGLE = 23-44
 BACKSIGHT = 215.00'
 SIGHTSIGHT = 68.29'
 ARC LENGTH = 134.45'
 CHORD LENGTH = 133.66'
 EXTERNAL SIGHT = 7.29'
 MID CHORD = 4.81'
 DEGREE OF CURVE = 17-38



CURVE DATA C
 INCLUDED ANGLE =
 BACKSIGHT =
 SIGHTSIGHT =
 ARC LENGTH =
 CHORD LENGTH =
 EXTERNAL SIGHT =
 MID CHORD =
 DEGREE OF CURVE =



SUMMARY OF IN-PLACE DENSITIES - ASTM D6938
 TERMINAL ENHANCEMENT AT THE PORTLAND INTERNATIONAL JETPORT

PORTLAND, MAINE

RWG&A PROJECT NO. 557-14

Client: City of Portland
 Test Date: 7/1/2010
 Technician: RRC
 Gauge Model/Serial Number: L 244

JUL 2 0 2010

Report Issue Date:

Lab No.	Soil Description	ASTM D1557 Max Density	ASTM D1557 Opt. Moisture
11194	Poorly Graded Sand	111.0	11.4
11175	Sub Base Gravel	129.8	8.4
11280	On Site Common Fill	132.5	6.9

Test No.	Location Foundation Backfill Zone 4/ Drainage, Geothermal	Elevation	ASTM D6938 Dry Density (pcf)	ASTM D6938 Water Content (%)	Percent of Max. (%)	Lab. No.
1	Around Catch Basin - See Sketch	FG-4'	109.3	4	99	11194
2	Geothermal Line - See Sketch	FG-3'	130.1	6	98	11280
3	Drainage Pipe - See Sketch	FG-5'	105.7	3	95	11194
4	Around Catch Basin - See Sketch	TOF	124.0	5	96	11175
5	Geothermal Line - See Sketch	FG-4'	105.9	2	95	11194
6	Geothermal Line - See Sketch	TOF+1'	129.8	3	100	11175

Remarks: Tests reflecting Percent of Maximum Density less than 95% were taken 3 feet or greater below subgrade, and not under structures

FG = Finish Grade
 FF = Finish Floor
 FGB = Finish Grade of Base
 FGSB = Finish Grade of Subbase
 FGSG = Finish Grade of Subgrade

TOW = Top of Foundation Wall
 BOW = Bottom of Wall
 BOF = Bottom of Footing
 SG = Subgrade
 TOF = Top of Footing

Checked by:



Portland Jetport 557-14

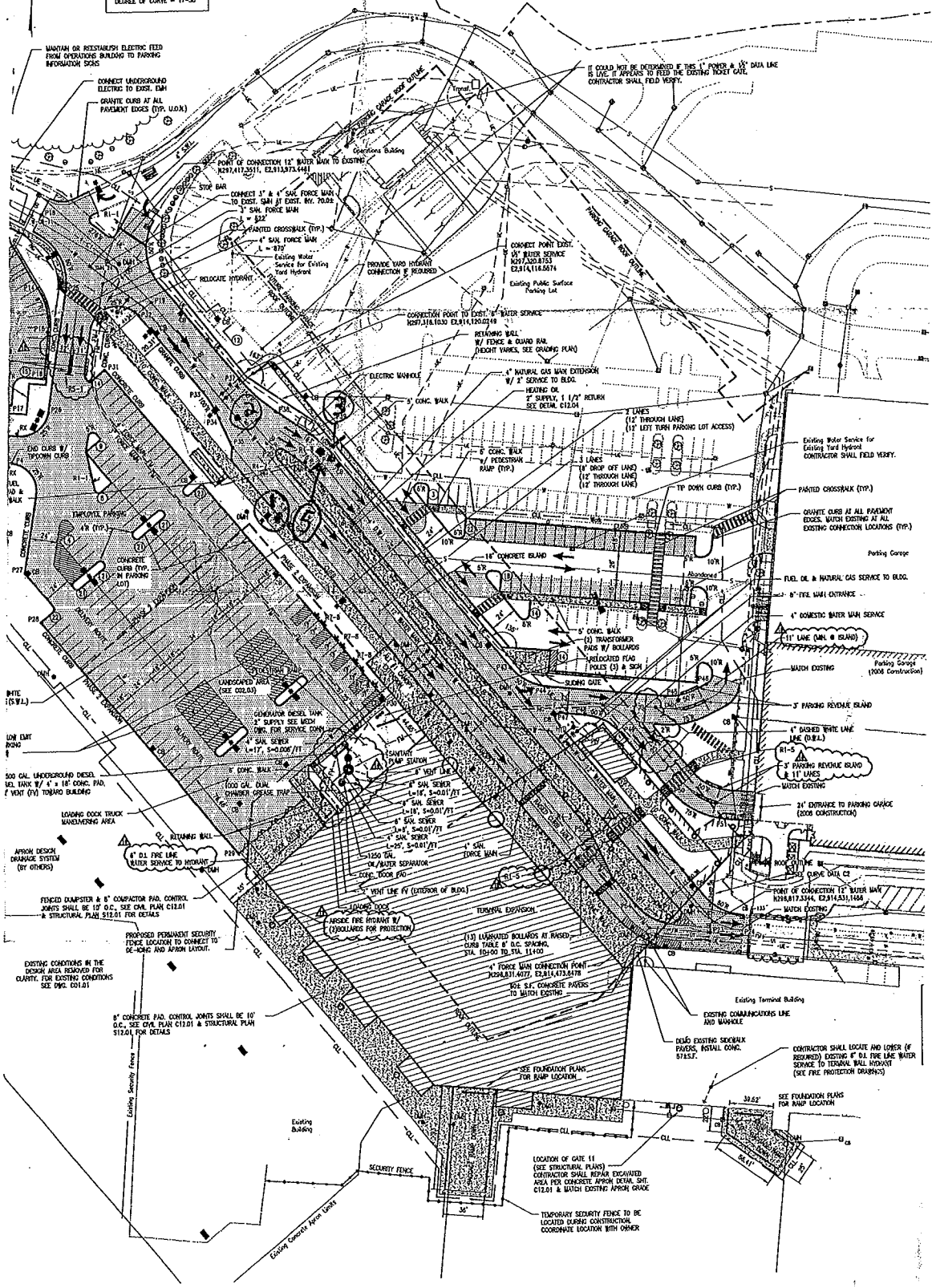
Rodney Collard 7/1/10

Sanitary Structure Schedule

DESC.	RM	BY. IN FROM BLOC.	BY. IN (6")	BY. IN (4")	BY. OUT (17")
PS 0A-1	6250	6702 (6")	6831 (6")	6716 (4")	6716 (17")

NOTE:
 SAN. GAS & GAS REMOVED FROM PLAN PER PUMP STATION RELOCATION

CURVE DATA (1)
 INCLUDED ARC = 23-44
 RADIUS = 335.00'
 TANGENT LENGTH = 68.29'
 ARC LENGTH = 134.83'
 CHORD LENGTH = 133.66'
 EXTERNAL BEIGHT = 7.68'
 MID ORDINATE = 4.84'
 DEGREE OF CURVE = 17-38



= In Place Density Location

C02.01

SUMMARY OF IN-PLACE DENSITIES - ASTM D6938
 TERMINAL ENHANCEMENT AT THE PORTLAND INTERNATIONAL JETPORT
 PORTLAND, MAINE
 RWG&A PROJECT NO. 557-14

Client: City of Portland
 Test Date: 7/2/2010
 Technician: RRC
 Gauge Model/Serial Number: L 244
 Report Issue Date: **JUL 2 0 2010**


Lab No.	Soil Description	ASTM D1557 Max Density	ASTM D1557 Opt. Moisture
11175	Sub Base Gravel	129.8	8.4

Test No.	Location	Elevation	ASTM D6938 Dry Density (pcf)	ASTM D6938 Water Content (%)	Percent of Max. (%)	Lab. No.
1	Foundation Wall Backfill - See Sketch	TOW-4'	125.4	4	97	11175
2	Foundation Backfill - See Sketch	TOW-4'	130.7	4	100+	11175
3	Foundation Backfill - See Sketch	TOF	123.6	3	95	11175
4	Foundation Backfill - See Sketch	TOF	126.1	3	97	11175
5	Foundation Backfill - See Sketch	TOF	128.5	3	99	11175
6	Foundation Backfill - See Sketch	TOF	129.0	2	99	11175

Remarks: Tests require 95% of maximum density

FG = Finish Grade
 FF = Finish Floor
 FGB = Finish Grade of Base
 FGSB = Finish Grade of Subbase
 FGSG = Finish Grade of Subgrade

TOW = Top of Foundation Wall
 BOW = Bottom of Wall
 BOF = Bottom of Footing
 SG = Subgrade
 TOF = Top of Footing

Checked by: 

Portland Jetport 201-1-17 1/2/10
 Rodney Collard RRC

Portland International
 Jetport
 2001 Westbrook Street
 Portland, Maine 04102

Gensler

ORF Associates, Inc.
 engineers - architects - interior construction management

PROJECT NO. 1001
 DATE 01/17/10
 DRAWN BY JAC
 CHECKED BY JAC
 PROJECT MANAGER JAC
 PROJECT ENGINEER JAC
 PROJECT ARCHITECT JAC
 PROJECT INTERIOR ARCHITECT JAC
 PROJECT CONSTRUCTION MANAGER JAC

SHEET NOTES

1. REFER TO THE GENERAL NOTES FOR THE PROJECT.

2. REFER TO THE GENERAL NOTES FOR THE PROJECT.

3. REFER TO THE GENERAL NOTES FOR THE PROJECT.

4. REFER TO THE GENERAL NOTES FOR THE PROJECT.

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GENERAL NOTES

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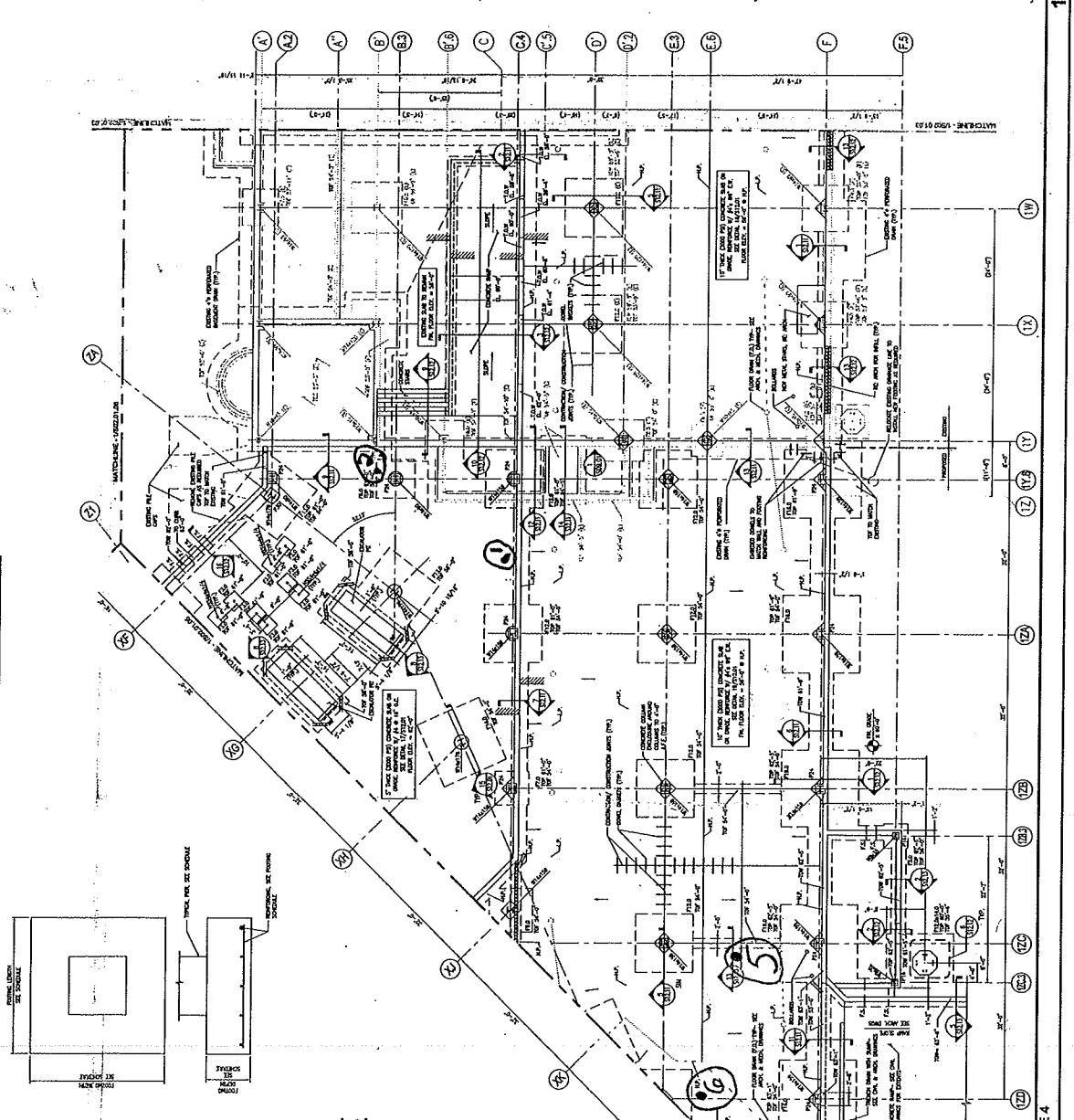
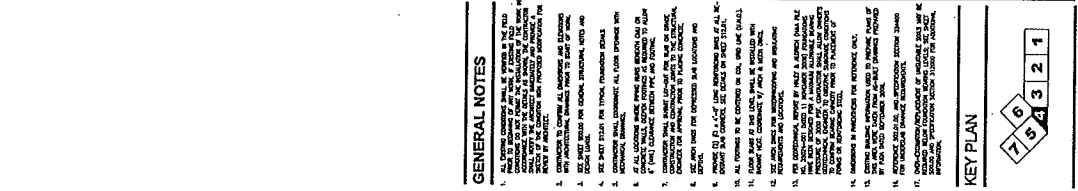
18. REFER TO THE GENERAL NOTES FOR THE PROJECT.

19. REFER TO THE GENERAL NOTES FOR THE PROJECT.

20. REFER TO THE GENERAL NOTES FOR THE PROJECT.

KEY PLAN

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PIER SCHEDULE & DETAILS
 SCALE: 1/8" = 1'-0"

PIER TYPE	PIER DIMENSIONS	VERTICAL REINFORCING	YES
P1	18" x 18"	#4 @ 12" O.C.	NO
P2	18" x 18"	#4 @ 12" O.C.	NO
P3	18" x 18"	#4 @ 12" O.C.	NO
P4	18" x 18"	#4 @ 12" O.C.	NO
P5	18" x 18"	#4 @ 12" O.C.	NO
P6	18" x 18"	#4 @ 12" O.C.	NO
P7	18" x 18"	#4 @ 12" O.C.	NO
P8	18" x 18"	#4 @ 12" O.C.	NO
P9	18" x 18"	#4 @ 12" O.C.	NO
P10	18" x 18"	#4 @ 12" O.C.	NO
P11	18" x 18"	#4 @ 12" O.C.	NO
P12	18" x 18"	#4 @ 12" O.C.	NO
P13	18" x 18"	#4 @ 12" O.C.	NO
P14	18" x 18"	#4 @ 12" O.C.	NO
P15	18" x 18"	#4 @ 12" O.C.	NO
P16	18" x 18"	#4 @ 12" O.C.	NO
P17	18" x 18"	#4 @ 12" O.C.	NO
P18	18" x 18"	#4 @ 12" O.C.	NO
P19	18" x 18"	#4 @ 12" O.C.	NO
P20	18" x 18"	#4 @ 12" O.C.	NO

FOOTING SCHEDULE & DETAILS
 SCALE: 1/8" = 1'-0"

FOOTING TYPE	FOOTING DIMENSIONS	REINFORCING
F1	18" x 18" x 12"	#4 @ 12" O.C.
F2	18" x 18" x 12"	#4 @ 12" O.C.
F3	18" x 18" x 12"	#4 @ 12" O.C.
F4	18" x 18" x 12"	#4 @ 12" O.C.
F5	18" x 18" x 12"	#4 @ 12" O.C.
F6	18" x 18" x 12"	#4 @ 12" O.C.
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F17	18" x 18" x 12"	#4 @ 12" O.C.
F18	18" x 18" x 12"	#4 @ 12" O.C.
F19	18" x 18" x 12"	#4 @ 12" O.C.
F20	18" x 18" x 12"	#4 @ 12" O.C.

Portland Jetport 557-14
 Rodney Colvard 7/2/10

Portland International
 Jetport
 1801 Westwood Street
 Portland, Maine 04102

Gensler

DBS ASSOCIATES, INC.
 ENGINEERS ARCHITECTS INTERIORS CONSTRUCTION MANAGERS

DATE: 07/02/10
 DRAWN BY: [unclear]
 CHECKED BY: [unclear]
 PROJECT: PORTLAND INTERNATIONAL AIRPORT



PROJECT: PORTLAND INTERNATIONAL AIRPORT
 SHEET: 557-14
 SCALE: AS SHOWN
 DATE: 07/02/10

S02.01.05

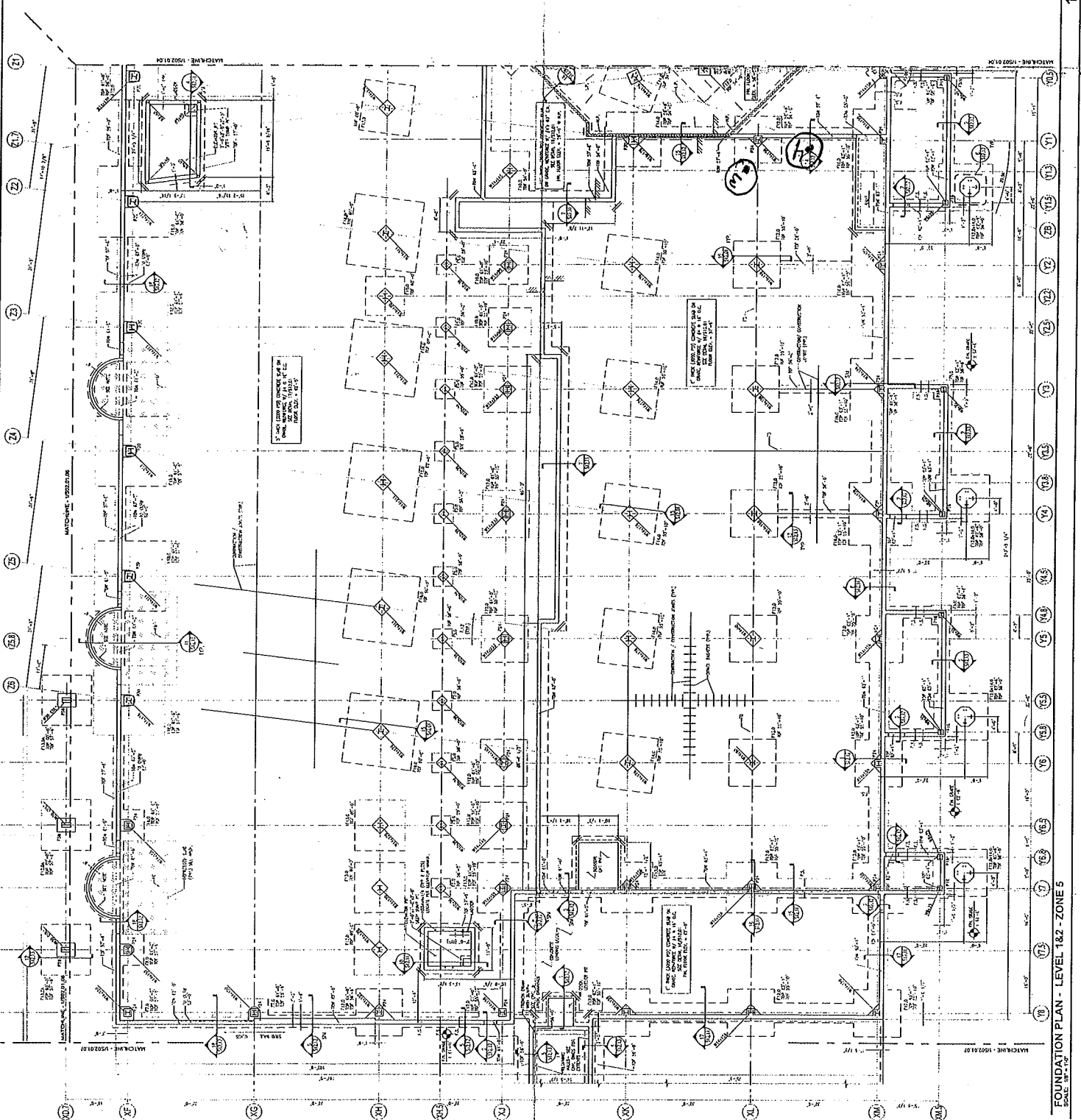
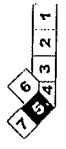
SHEET NOTES

1. VERIFY EXISTING CONDITIONS AND UTILITIES BEFORE CONSTRUCTION.
2. VERIFY ALL DIMENSIONS AND LOCATIONS OF EXISTING STRUCTURES AND UTILITIES.
3. VERIFY ALL DIMENSIONS AND LOCATIONS OF EXISTING UTILITIES.
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10. VERIFY ALL DIMENSIONS AND LOCATIONS OF EXISTING UTILITIES.

GENERAL NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.
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KEY PLAN



FOUNDATION PLAN - LEVEL 1&2 - ZONE 5
 SCALE: 1/4" = 1'-0"