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LETTER OF TRANSMITTAL

City of Portland, Portland Int. Jetport
1001 Westbrook Street
Portland, Maine 04102

Date:	28 July 2011	Project No.:	0557-014
Attention:	Mr. Cuyler Feagles (cmf@portlandmaine.gov)		
Re:	In-Place Density Testing Terminal Enhancement, Portland Int. Jetport Portland, Maine		

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

Date(s) Performed:

July 11-13, 2011

Test (s) Performed

In-Place Density Testing - Nuclear Method ASTM D2922

- 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:

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 Jim Stanislaski: jim_stanislaski@gensler.com
 Cliff Takara: clifford_takara@gensler.com
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 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: 7/11/2011
 Technician: MJK
 Gauge Model/Serial Number: 21059

Lab No.	Soil Description	ASTM D1557 Max Density	ASTM D1557 Opt. Moisture
11784	Type D Gravel	133.6	6.4

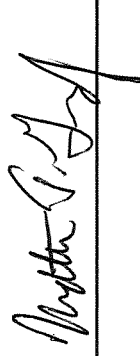
Report Issue Date:

Test No.	Location	Elevation	ASTM D6938 Dry Density (pcf)	ASTM D6938 Water Content (%)	Percent of Max. (%)	Lab. No.
1	Roadway - Raised Table	FG	130.4	5	98	11784
2	Sidewalk - 10' NE of XF/Z1.7	FG	128.8	2	96	11784
3	Sidewalk - 10' NE of XF/Z2+15'	FG	127.7	4	96	11784
4	Roadway - Raised Table	FG	128.5	5	96	11784

Remarks:

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: 

PORTLAND INT'L JETPORT
EXPANSION

PORTLAND
TERMINAL
0557-014
7/11/2011
HJK

1	PLAN	07/11/11	MB	MB
2	GENERAL NOTES		MB	MB
3	THE CONSTRUCTION DOCUMENTS		MB	MB
4	ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE FOLLOWING CODES:		MB	MB
5	INTERNATIONAL BUILDING CODE (IBC)		MB	MB
6	INTERNATIONAL MECHANICAL CODE (IMC)		MB	MB
7	INTERNATIONAL PLUMBING AND MECHANICAL CODE (IPMPC)		MB	MB
8	INTERNATIONAL FIRE CODE (IFC)		MB	MB
9	INTERNATIONAL ELECTRICAL CODE (IEC)		MB	MB
10	INTERNATIONAL ENERGY CONSERVATION CODE (IECC)		MB	MB
11	INTERNATIONAL SMOKE CONTROL CODE (ISCC)		MB	MB
12	INTERNATIONAL AIR CONDITIONING AND REFRIGERATION CODE (IACR)		MB	MB
13	INTERNATIONAL TRANSPORTATION BUILDING CODE (ITBC)		MB	MB
14	INTERNATIONAL AIRPORTS AND AIRWAYS CODE (IAAC)		MB	MB
15	INTERNATIONAL AIRPORTS AND AIRWAYS CODE (IAAC) - SUPPLEMENTAL SPECIFICATIONS		MB	MB



SHEET NOTES

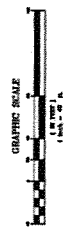
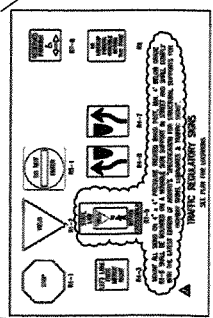
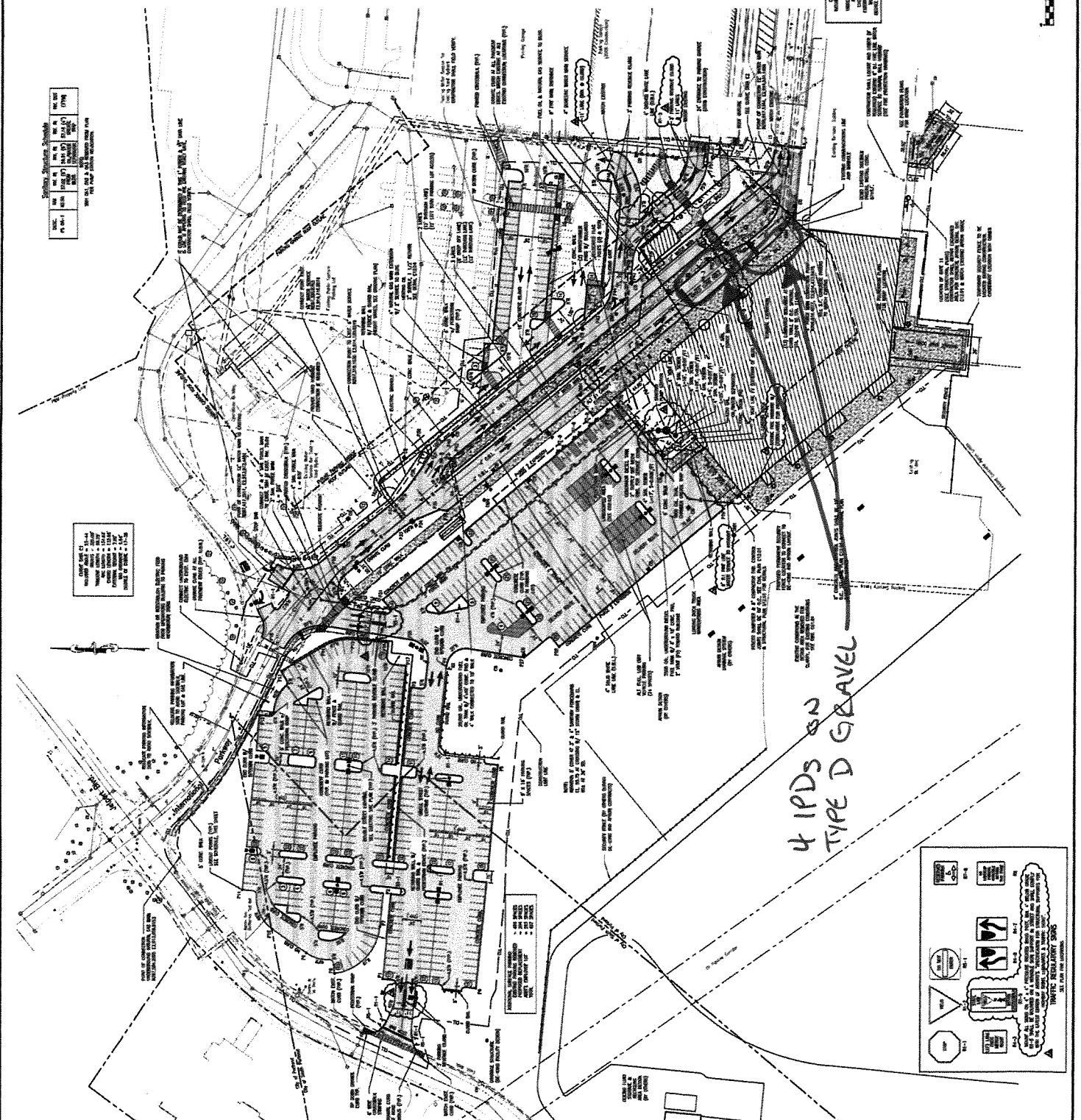
Legend: Conditions, Schedule

1	EXISTING	2	REMOVE
3	NEW	4	ALTER
5	PROPOSED	6	PROPOSED
7	PROPOSED	8	PROPOSED
9	PROPOSED	10	PROPOSED
11	PROPOSED	12	PROPOSED
13	PROPOSED	14	PROPOSED
15	PROPOSED	16	PROPOSED
17	PROPOSED	18	PROPOSED
19	PROPOSED	20	PROPOSED
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95	PROPOSED	96	PROPOSED
97	PROPOSED	98	PROPOSED
99	PROPOSED	100	PROPOSED

GENERAL NOTES

- ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE FOLLOWING CODES:
- INTERNATIONAL BUILDING CODE (IBC)
- INTERNATIONAL MECHANICAL CODE (IMC)
- INTERNATIONAL PLUMBING AND MECHANICAL CODE (IPMPC)
- INTERNATIONAL FIRE CODE (IFC)
- INTERNATIONAL ELECTRICAL CODE (IEC)
- INTERNATIONAL ENERGY CONSERVATION CODE (IECC)
- INTERNATIONAL SMOKE CONTROL CODE (ISCC)
- INTERNATIONAL AIR CONDITIONING AND REFRIGERATION CODE (IACR)
- INTERNATIONAL TRANSPORTATION BUILDING CODE (ITBC)
- INTERNATIONAL AIRPORTS AND AIRWAYS CODE (IAAC)
- INTERNATIONAL AIRPORTS AND AIRWAYS CODE (IAAC) - SUPPLEMENTAL SPECIFICATIONS

4 IPDS ON
TYPE D GRAVEL



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: 7/12/2011
 Technician: MJK
 Gauge Model/Serial Number: L497

Lab No.	Soil Description	ASTM D1557 Max Density	ASTM D1557 Opt. Moisture
11784	Type D Gravel	133.6	6.4

Report Issue Date:

Test No.	Location	Elevation	ASTM D6938 Dry Density (pcf)	ASTM D6938 Water Content (%)	Percent of Max. (%)	Lab. No.
1	10' NE of XF - Z5 <i>Superwalk</i>	FG	127.3	4	95	11784
2	10' NE of XF - Z3	FG	126.2	3	95	11784
3	10' NE of XF - Y4	FG	130.7	4	98	11784

Remarks:

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:



SHEET NOTES

Local Contour Schedule

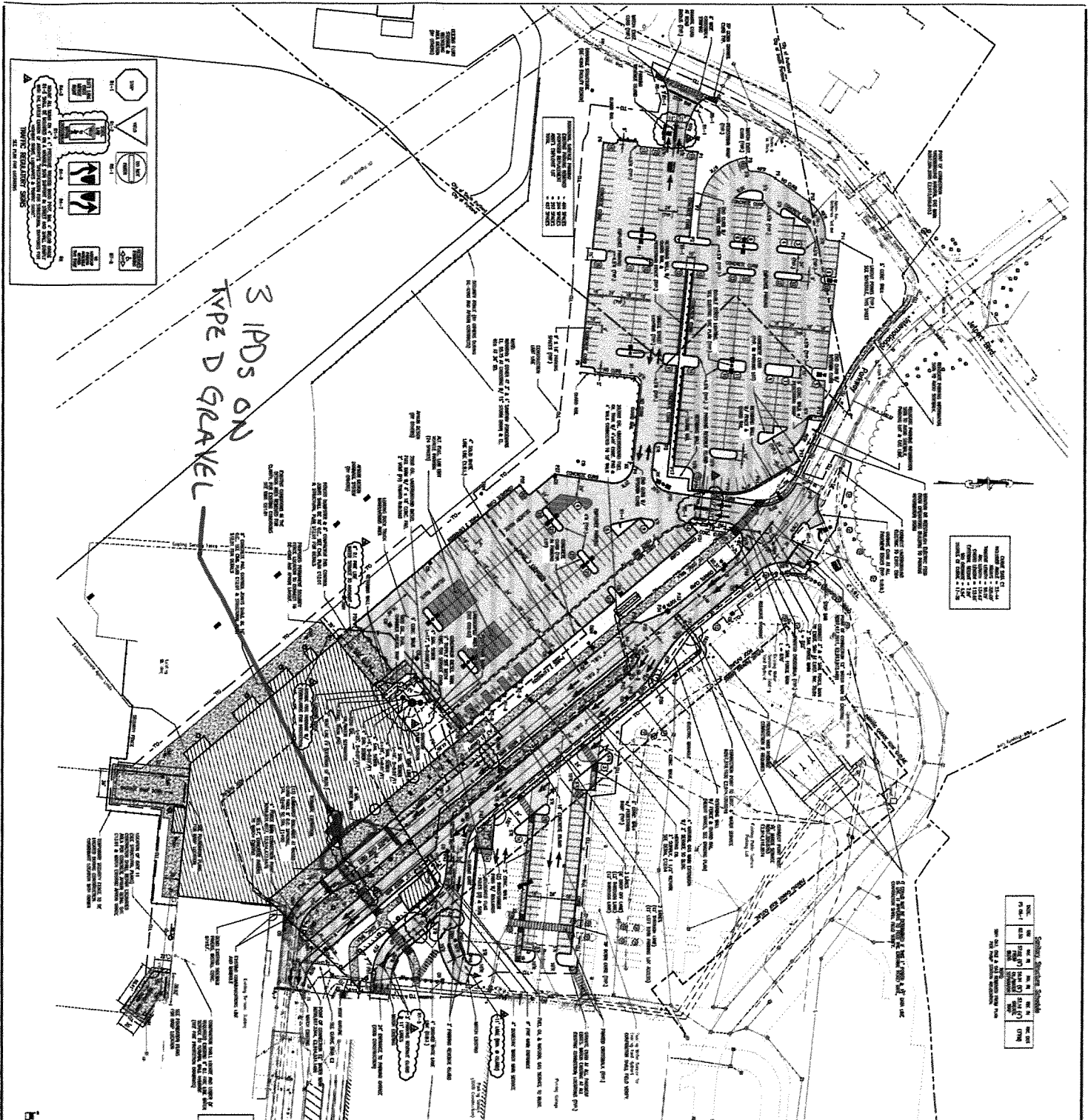
Contour Interval	Contour Elevation	Contour Description
1.0'	100.0'	100.0' Contour
1.0'	101.0'	101.0' Contour
1.0'	102.0'	102.0' Contour
1.0'	103.0'	103.0' Contour
1.0'	104.0'	104.0' Contour
1.0'	105.0'	105.0' Contour
1.0'	106.0'	106.0' Contour
1.0'	107.0'	107.0' Contour
1.0'	108.0'	108.0' Contour
1.0'	109.0'	109.0' Contour
1.0'	110.0'	110.0' Contour
1.0'	111.0'	111.0' Contour
1.0'	112.0'	112.0' Contour
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1.0'	118.0'	118.0' Contour
1.0'	119.0'	119.0' Contour
1.0'	120.0'	120.0' Contour

Portland International
Jetport
1001 Westwood Street
Portland, Maine 04102

Gensler

QUEST ASSOCIATES, INC.
1000 Commercial Street
Portland, Maine 04102

PORTLAND INT'L JETPORT
TERMINAL EXPANSION
057-014
7/12/2011
HSE



GENERAL NOTES

1. ALL DIMENSIONS UNLESS OTHERWISE NOTED ARE IN FEET AND INCHES.
2. ALL DIMENSIONS SHALL BE TO FACE UNLESS OTHERWISE NOTED.
3. ALL DIMENSIONS SHALL BE TO CENTERLINE UNLESS OTHERWISE NOTED.
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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: 7/13/2011
 Technician: MJK
 Gauge Model/Serial Number: L497

Lab No.	Soil Description	ASTM D1557 Max Density	ASTM D1557 Opt. Moisture
11784	Type D Gravel	133.6	6.4


Report Issue Date:

Test No.	Location	Elevation	ASTM D6938 Dry Density (pcf)	ASTM D6938 Water Content (%)	Percent of Max. (%)	Lab. No.
1	<i>SIDEWALKS</i> 10' NE of XF - Z5.8	FG	131.0	3	98	11784
2	5' NE of XF - Z6	FG	127.4	4	95	11784
3	10' NE of XF - Y6.5	FG	126.3	3	95	11784
4	10' NE of XF - Y7.5	FG	128.2	5	96	11784

Remarks:

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


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PORTLAND INT'L AIRPORT
TERMINAL EXPANSION
0557-014
7/13/2011
HJK

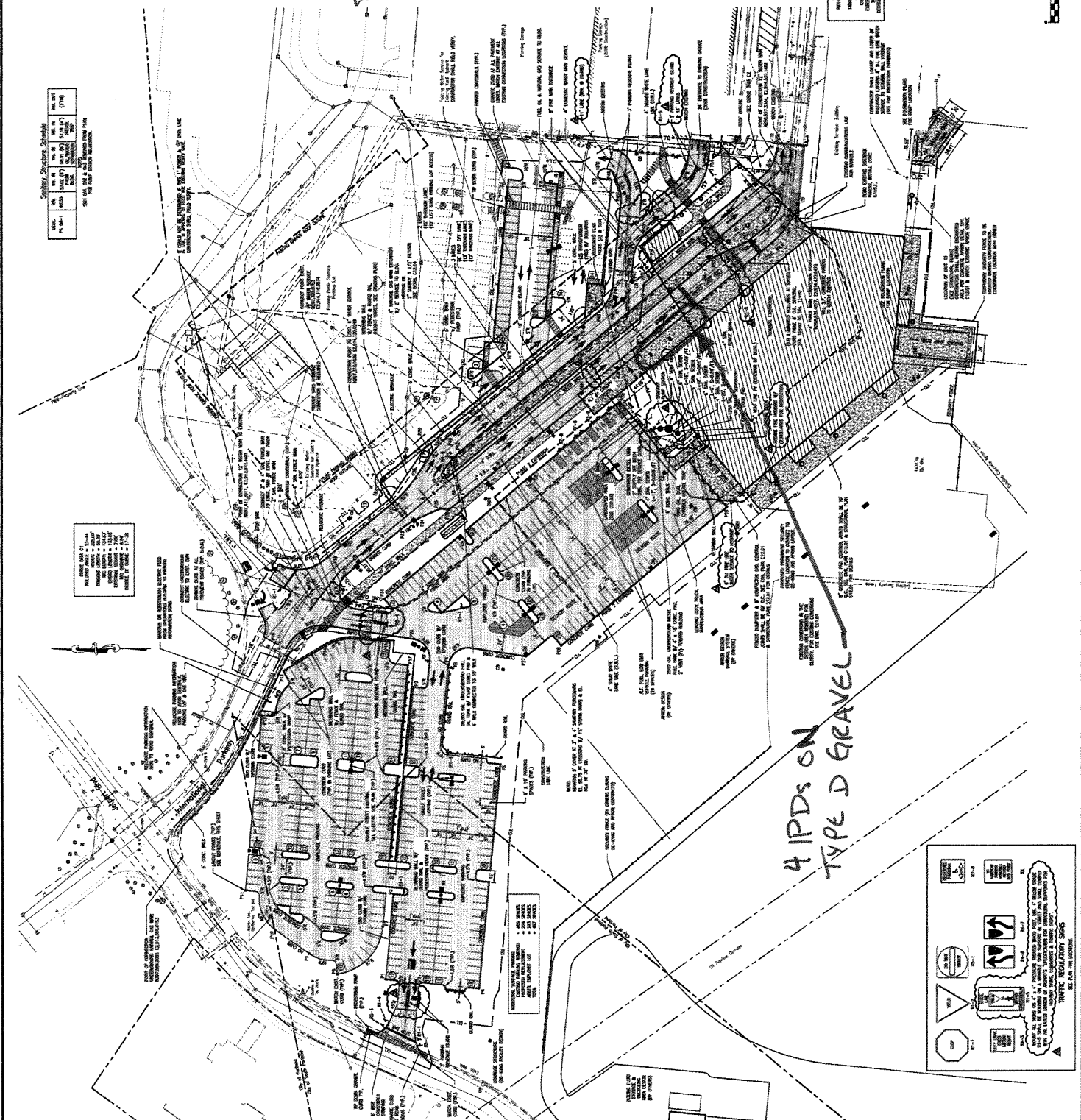
SHEET NOTES

Layers, Coordinates, Schedule

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Stationing, Structure, Schedule

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GENERAL NOTES

1. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, SEVENTH EDITION, 2003, WITH THE LATEST SUPPLEMENTS, AND THE LATEST EDITIONS OF THE STANDARD SPECIFICATIONS FOR PORTLAND CEMENT CONCRETE, SEVENTH EDITION, 2003, WITH THE LATEST SUPPLEMENTS.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.
3. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL EXISTING UTILITIES AND STRUCTURES AT ALL TIMES.
4. THE CONTRACTOR SHALL MAINTAIN ADEQUATE EROSION CONTROL MEASURES THROUGHOUT THE CONSTRUCTION PERIOD.
5. THE CONTRACTOR SHALL MAINTAIN ADEQUATE SAFETY MEASURES THROUGHOUT THE CONSTRUCTION PERIOD.
6. THE CONTRACTOR SHALL MAINTAIN ADEQUATE RECORDING AND DOCUMENTATION THROUGHOUT THE CONSTRUCTION PERIOD.
7. THE CONTRACTOR SHALL MAINTAIN ADEQUATE COMMUNICATIONS THROUGHOUT THE CONSTRUCTION PERIOD.

GRAPHIC SCALE
1" = 100'

TRAFFIC REGULATORY SIGNS
SEE LISTING & EXHIBIT PLAN

PROJECT NO. 0557-014
SHEET NO. 014 OF 014