

**SHEET NOTES**

1. SEE STRUCTURAL DRAWINGS FOR DETAILS OF THE UNDER SLAB DRAINAGE SYSTEM.

Drainage Structure Schedule

DESC.	RIM	INV. IN	INV. IN	INV. IN	INV. OUT
DMH OA-1	74.30	69.92(12")	-	-	69.82(15")
CB OA-2*	69.75	65.20(12")	65.20(15")	66.50(6")	65.10(24")
CB OA-3	69.75	65.20(12")	-	66.50(6")	65.40(12")
DMH OA-4*	63.02	53.91(36")	56.56(24")	-	53.87(36")
CB OA-6(x)	71.88	68.53(12")	-	-	65.50(12")
CB OA-7	70.84*	-	-	-	65.30(18")
CB OA-8	60.47	-	56.97(6")	56.97(6")	56.50(12")
CB OA-9	60.47	-	56.97(6")	56.97(6")	56.50(12")
CB OA-10(F)	60.24	-	-	-	57.27(15")
CB OA-11(F)	60.24	56.94(15")	-	-	56.84(15")
DMH OA-12	63.50	57.14(12"ex)	-	-	57.04(18")
CB OA-13	60.53	56.04(15")	-	-	55.94(18")
CB OA-14(x)	63.00*	53.14(18")	53.14(12")	-	42.50(18")
CB OA-15(x)	64.00*	53.70(12")	-	-	53.60(12")
CB OA-16(x)	63.10*	-	-	-	54.05(12")
CB OA-17	60.26	-	-	56.70(6")	56.14(12")
DMH OA-18	60.85	55.61(15"ex)	55.21(15")	56.00(12")	55.20(36")
x CB OA-19	60.50	55.21(12"ex)	-	-	55.21(15")
DMH OA-20*	60.80	54.70(36")	54.82(18")	55.00(6")	54.70(36")
DMH OA-21	61.00	56.40(12")	54.21(36")	-	54.21(36")
DMH OA-22*	65.20	53.25(36")	-	56.15(12")	53.20(36")
DMH OA-23*	62.10	52.75(36")	57.00(15")	-	51.31(42")
DMH OA-24	62.00	-	-	54.86(4")	55.34(6")
DMH OA-25	60.00*	54.44(8")	-	-	54.00(8")
DMH OA-30	57.10	52.60(8")	52.60(8")	55.86(4")	52.50(24"ex)
CB OA-31	65.90	-	-	-	60.17(12")
CB OA-32	64.19	59.04(12")	-	-	58.94(12")
CB OA-33	61.26	57.51(12")	-	56.35(4")	57.41(15")
CB OA-34	61.76	56.40(15")	-	54.22(12")	54.00(18")
DMH OA-35	61.61	53.08(18")	-	-	53.00(18")
CB OA-36	64.50	60.00(15")	-	-	59.00(15")
CB OA-39	62.80	-	-	-	59.00(15")
CB OA-40	61.80	53.50(18")	58.61(15")	-	53.40(18")
TR OA-41	57.88	-	-	-	54.72(12")
CB OA-43 *	75.50	72.67	-	-	72.57(18")
CB OA-44 *	65.90	62.67	-	-	62.67(15")
TR OA-45	55.88	-	-	-	52.88(8")
TR OA-46	55.88	-	-	-	52.88(8")
DMH OA-48	60.83	56.68(8")	-	57.00(6")	56.58(12")
DMH OA-49	60.80	55.50(12")	55.50(12")	-	55.40(12")
DMH OA-50	60.77	-	-	-	55.98(12")
DMH OA-51	61.20	52.94(8")	-	-	52.84(8")
A-72(x)	55.96*	51.01(15"ex)	51.06(8"ex)	52.84(8")	51.01(18"ex)
A-74(x)	58.13	53.73(4"ex)	-	53.40(8")	51.48(15"ex)
A-70(x)	58.53	52.63(4"ex)	51.08(18"ex)	51.48(15"ex)	50.68(18"ex)

\* ADJUST TO GRADE  
\*\* 6" DIA. STRUCTURE  
# 2" SD. STRUCTURE  
~ BACKFLOW PREVENTER REQUIRED  
(x) EXISTING STRUCTURE  
(F) TYPE F BASIN REQUIRED

**GENERAL NOTES**

- ALL CATCH BASIN STRUCTURES ARE 4' DIA. UNLESS OTHERWISE NOTED AND SHALL BE BUILT WITH A MIN. 3 FT. SLUMP.
- TYPE "E" CATCH BASIN STRUCTURES WITH GRANITE CURB INLET STONES SHALL BE INSTALLED IN INTERNATIONAL PARKWAY.
- THE TWO (2) CATCH BASINS FUNCTIONING AS OUTLET STRUCTURES FROM THE FILTRATION FIELDS ARE SHALL BE TYPE "F", 2' X 2' SQUARE STRUCTURES.
- ALL DRAIN MANHOLE STRUCTURES SHALL BE 4' DIA. EXCEPT STRUCTURES DMH OA-5, DMH OA-20, DMH OA-22 AND DMH OA-23. THESE STRUCTURES SHALL BE 6' DIA.
- SEE STRUCTURAL DRAWINGS FOR DETAILS OF THE UNDER SLAB DRAINAGE SYSTEM AND FOUNDATION DRAIN SYSTEM.
- SEE MECHANICAL DRAWINGS FOR ROOF DRAIN SYSTEM.
- REFER TO THE CIVIL DETAIL FOR A SPECIFICATION OF THE "TRIFLEX" SERIES TT-1 BACKFLOW VALVE TO BE INSTALLED IN THE FOLLOWING DRAINAGE STRUCTURES:  
-DMH OA-25, 4" FOUNDATION DRAIN I  
-DMH OA-24, 4" FOUNDATION DRAIN  
-CB OA-72, 4" FOUNDATION DRAIN AND 8" TRENCH DRAIN (FROM TR OA-46)  
-CB OA-33, 4" FOUNDATION DRAIN  
-DMH OA-30, 4" FOUNDATION DRAIN AND 8" TRENCH DRAIN (TS OA-45)
- PROVIDE BACKFLOW PREVENTER ON THE 4" FOUNDATION DRAIN IN CB OA-20.
- 10" CORE REQUIRED IN EXISTING CB A-72 FOR NEW 10" ROOF DRAIN AT ELEV. 51.06 AND NEW 8" SD FROM TRENCH DRAIN AT ELEV. 52.84.
- MAINTAIN POSITIVE GRADE ON ALL FOUNDATION DRAINS & RAIN LEADERS, MIN. SLOPE 0.005/FT.
- 12" ROOF DRAIN HEADER PIPE COLLECTING ROOF DRAINS & FOUNDATION DRAINS ALONG ENTRANCE OF TERMINAL INVERT IN TO DMH OA-49 REQUIRES A BACKFLOW PREVENTER.

Issue	Date & Issue Description	By	Check
1	07/11/08	W/W	AWL
2	09/22/08	W/W	AWL
3	12/03/08	W/W	AWL
4	01/23/09	W/W	AWL
5	10/26/09	W/W	FEM

75% CONSTRUCTION DOCUMENTS  
95% CONSTRUCTION DOCUMENTS  
ISSUED FOR PERMIT

Project Name  
PJM Terminal Enhancement

Project Number  
08-0395-000

CAD File Name  
T:\53301\01\SHEETS\C02.02.DWG

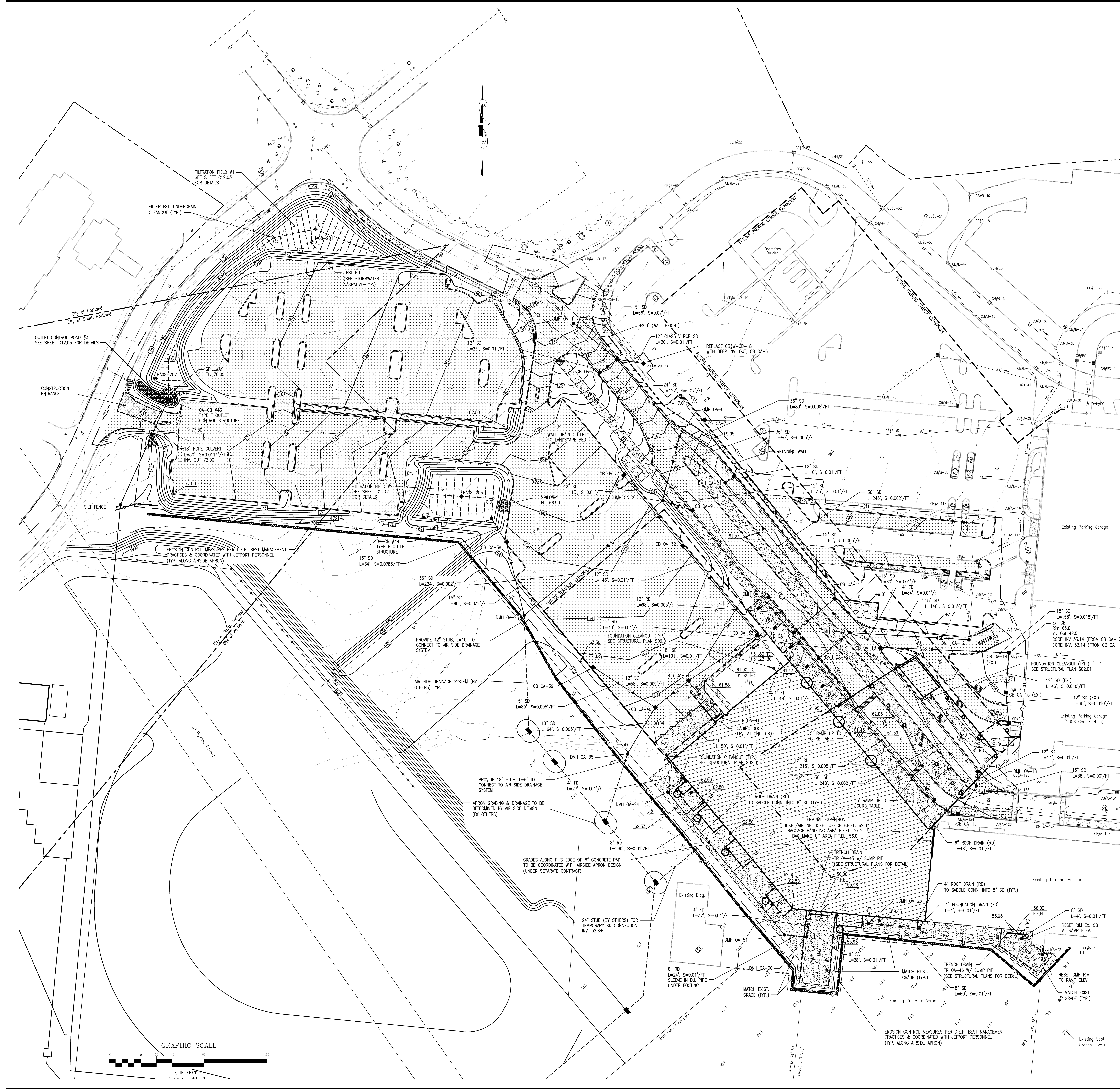
Description  
SITE GRADING & DRAINAGE PLAN

Scale  
1" = 40'

Ref. North

**C02.02**

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