

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")	-	65.20(15")	69.82(15")
CB OA-2	69.75	65.20(12")	-	66.50(6")	65.10(24")
CB OA-3	69.75	65.20(12")	-	66.50(6")	65.40(24")
DMH OA-4	61.40	54.15(36")	53.34(24")	56.26(12")	53.34(36")
CB OA-6(1)	71.88	68.53(12")	-	-	65.50(12")
CB OA-7	70.84	-	-	-	65.30(18")
CB OA-8	60.47	57.00(4")	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	60.24	-	-	-	53.26(12")
CB OA-11	60.24	52.93(12")	57.00(4")	-	52.83(15")
DMH OA-12	63.50	57.14(12"ex)	-	-	57.04(18")
CB OA-13	60.53	52.03(15")	-	-	51.93(18")
CB OA-14(x)	63.00	51.14(18")	53.14(12")	-	42.50(18")
CB OA-15(x)	64.00	(ex 12")	-	-	(ex 12")
CB OA-16	62.41	-	-	-	58.41(12")
CB OA-17	60.26	-	-	56.70(6")	56.14(12")
DMH OA-18	63.05	55.61(15"ex)	55.21(15")	56.00(12")	55.20(36")
CB OA-19	60.66	55.24(12"ex)	-	-	55.24(12"ex)
DMH OA-20	60.80	54.70(36")	54.82(18")	55.00(12")	54.70(36")
DMH OA-21	61.00	56.44(12")	54.24(36")	-	54.24(36")
DMH OA-22	62.00	53.25(36")	-	56.15(12")	53.20(36")
DMH OA-23	62.10	52.75(36")	57.25(15")	-	51.31(42")
DMH OA-24	62.00	-	-	65.34(4")	55.24(6")
DMH OA-25	60.00	54.10(6")	54.33(4")	-	54.00(6")
DMH OA-30	57.10	52.60(8")	52.60(8")	54.55(4")	52.50(24"ex)
CB OA-31	65.90	-	-	-	60.17(12")
CB OA-32	64.19	59.04(12")	-	-	59.94(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")	60.00(6")	-	59.00(15")
CB OA-39	62.80	-	-	-	59.00(15")
CB OA-40	61.80	53.50(18")	58.20(15")	-	53.40(18")
TR OA-41	57.88	-	-	-	54.72(12")
CB OA-43(F)	75.50	72.67(6")	-	-	72.57(18")
CB OA-44(F)	65.90	62.67(6")	-	-	62.67(15")
TR OA-45	55.88	-	-	-	53.18(6")
TR OA-46	55.88	-	-	-	53.18(6")
DMH OA-48	60.83	56.68(6")	-	57.00(6")	56.58(12")
DMH OA-49	60.80	55.50(12")	55.50(4")	55.40(12")	55.40(12")
DMH OA-60	60.77	52.94(8")	-	-	55.99(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)	52.96(6")	51.01(18"ex)
A-74(x)	58.13	53.73(4"ex)	54.48(4")	53.38(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)

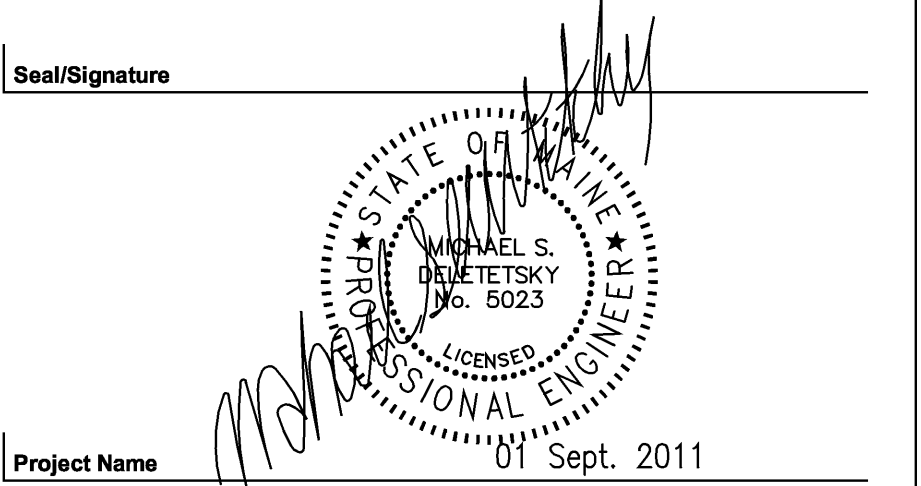
ADJUST TO GRADE
 * 6" DIA. STRUCTURE (SEE NOTE 4)
 ** 2" SD. STRUCTURE
 *** BACKFLOW PREVENTER REQUIRED
 (1) EXISTING STRUCTURE
 (2) TYPE F BASIN REQUIRED

THESE DRAWINGS ARE ISSUED FOR CONSTRUCTION AND REFLECT ALL AMEC ISSUED BULLETINS AND SKETCHES.

Issue	Date & Issue Description	By	Check
1	07/11/08	WJW	AWL
2	09/22/08	WJW	AWL
3	12/03/08	WJW	AWL
4	01/23/09	WJW	AWL
5	10/26/09	WJW	FEM
6	11/12/09	WJW	FEM
7	05/03/10	WJW	TM
8	05/03/10	WJW	TM
9	09/01/11	WJW	SDH

GENERAL NOTES

- ALL CATCH BASIN STRUCTURES ARE 6" DIA. UNLESS OTHERWISE NOTED AND SHALL BE BUILT WITH A MIN. 3 FT. SUMP.
- 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 SHALL BE TYPE "T", 2' X 2' SQUARE STRUCTURES.
- ALL DRAIN MANHOLE STRUCTURES SHALL BE 6" DIA. EXCEPT STRUCTURES, DMH OA-18, DMH OA-22 AND DMH OA-23 SHALL BE 8" DIA. DMH OA-5 AND DMH OA-20 SHALL BE 8" 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 A-72, 10" ROOF DRAIN AND 6" TRENCH DRAIN (FROM TR OA-46)
 - CB OA-33, 4" FOUNDATION DRAIN
 - DMH OA-30, 8" RD (FROM DMH OA-51)
 - 4" FOUNDATION DRAIN AND 8" TRENCH DRAIN PIPE (TR OA-45)
 - CB A-74, 8" RD, 4" FD
 - CB OA-34, 12" (FROM TR OA-41)
- PROVIDE BACKFLOW PREVENTER ON THE 4" FOUNDATION DRAIN IN DMH OA-20.
- 10" CORE REQUIRED IN EXISTING CB A-72 FOR NEW 10" ROOF DRAIN AT ELEV. 51.06 AND NEW 6" SD FROM TRENCH DRAIN AT ELEV. 52.94.
- 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.
- DMH OA-24 AND DMH OA-35 REQUIRE CATCH BASIN GRATES DURING CONSTRUCTION IN THE EVENT THAT THE ARSIDE CONCRETE APRON IS NOT FINALIZED. ONCE THE APRON IS IN PLACE AND THE APRON DRAINAGE SYSTEM IS ACCEPTING SURFACE DRAINAGE THE GRATES SHALL BE REPLACED WITH TYPE "A" MANHOLE COVERS.
- THE 2:1 AND 1:1 GRADED SLOPES ARE CONSIDERED TEMPORARY AND WILL BE REMOVED BY THE ARSIDE CONCRETE APRON CONTRACTORS. SLOPE REINFORCEMENT MEASURES SHALL BE RIPPED, MIN. 6" STONE WITH MERV1 600X GEOTEXTILE FABRIC OR APPROVED EQUAL.



Project Name: PVM Terminal Enhancement
 Project Number: 08.0395.000
 CAD File Name: T:\5330101\SHEETS\C02.02.DWG
 Description: SITE GRADING & DRAINAGE PLAN

Scale: 1" = 40'

C02.02

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