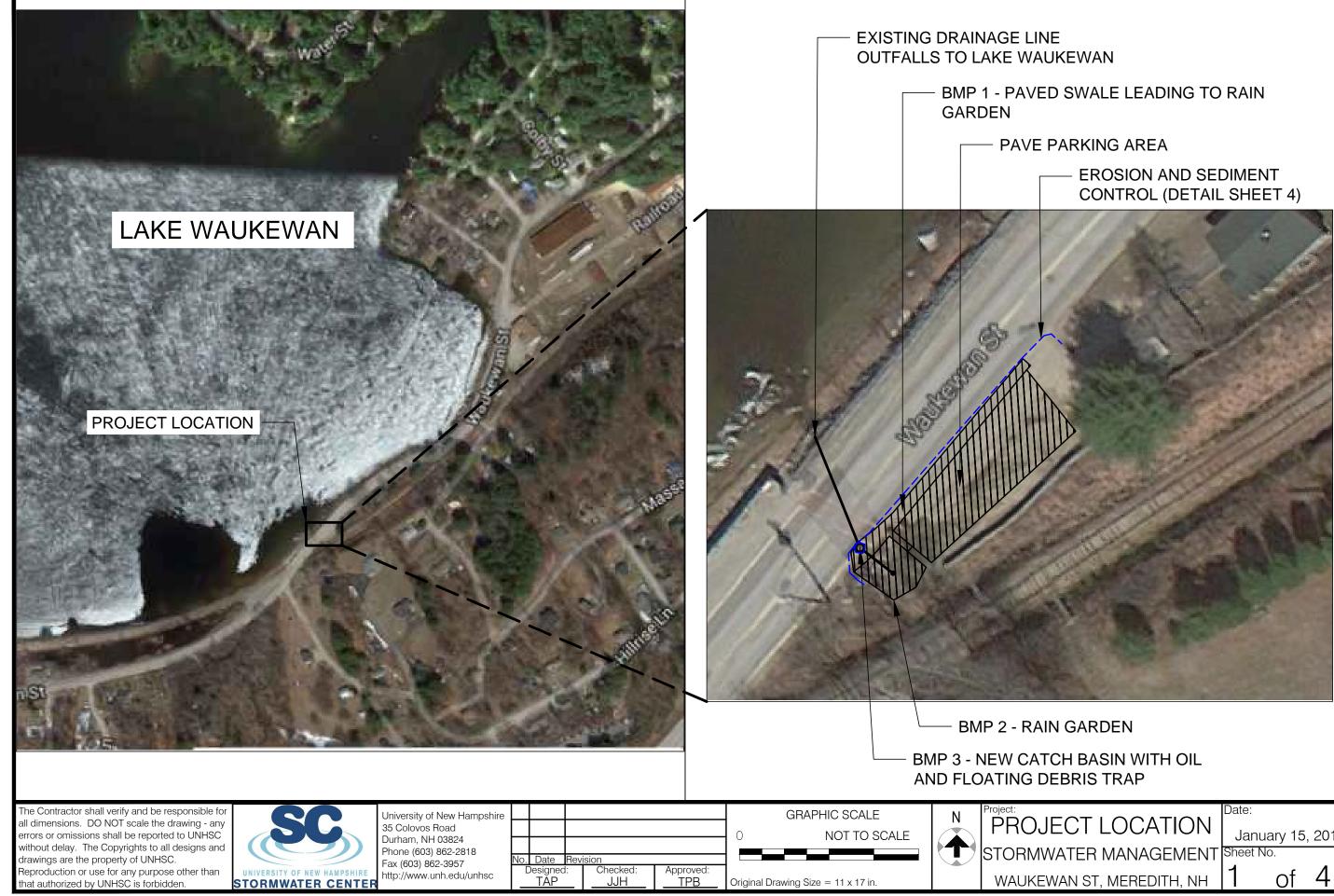
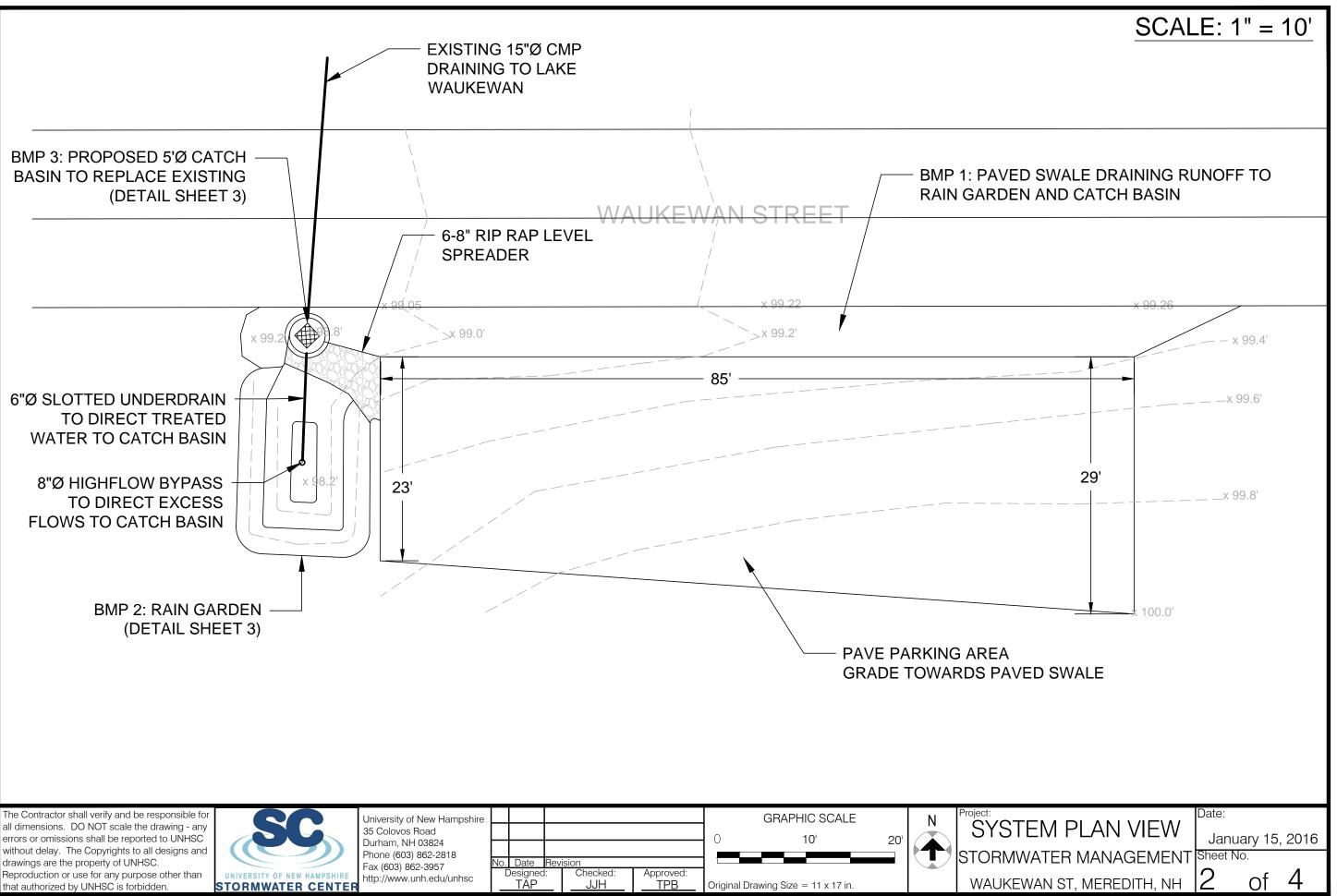
Appendix G: Preliminary BMP Plans

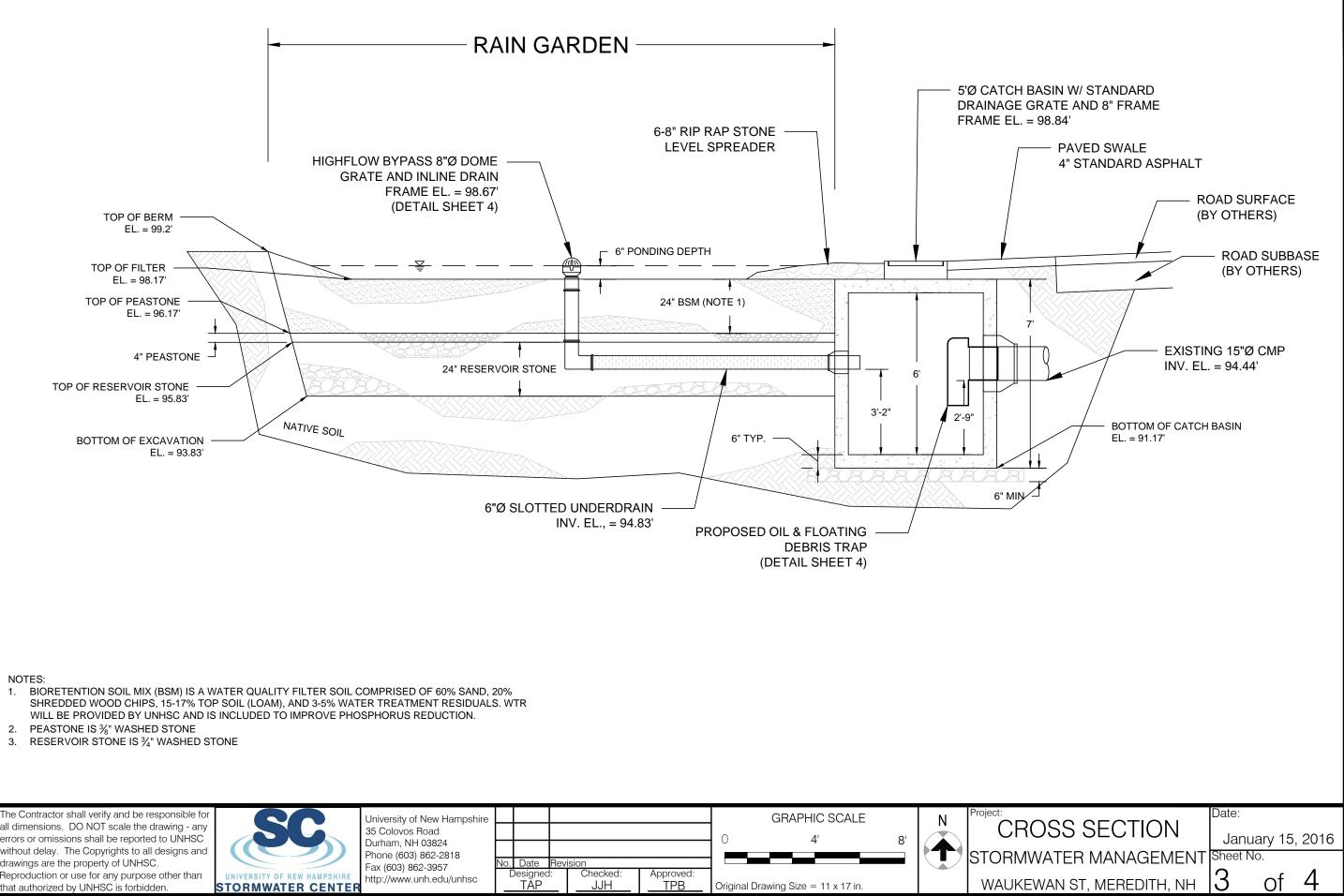


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WATER MANAGEMENT	Sheet NO.
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all dimensions. DO NOT scale the drawing - any
errors or omissions shall be reported to UNHSC
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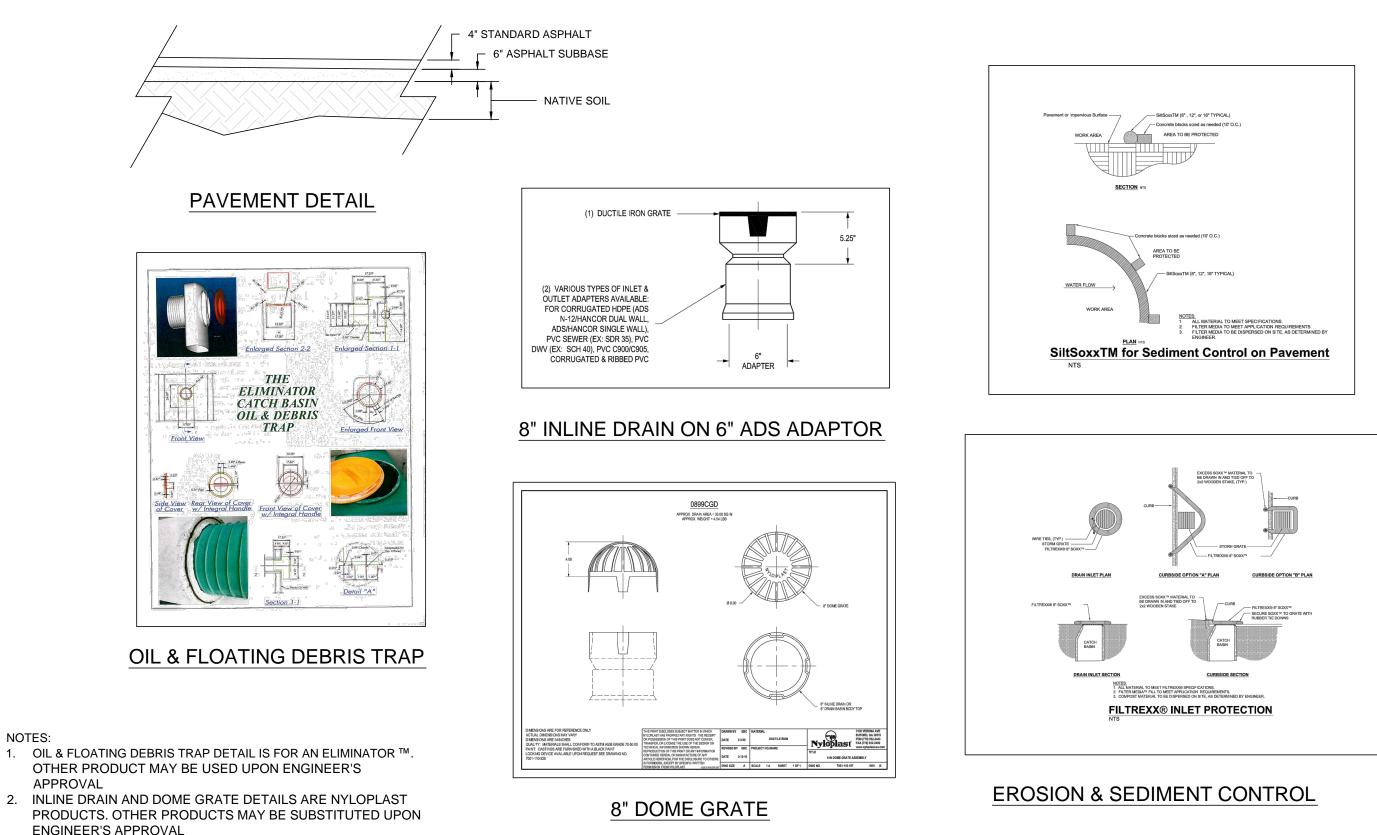




The Contractor shall verify and be responsible for				
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) 802-3937	No.	Date Designed	Revi :	sion Checked:	Approved:			
w.unh.edu/unhsc		TĂP		JJH		Original Drawing Size = 11×17 in.		WAUKEV



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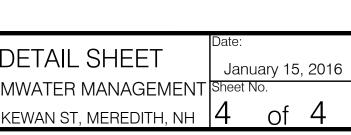
NOTES:

APPROVAL

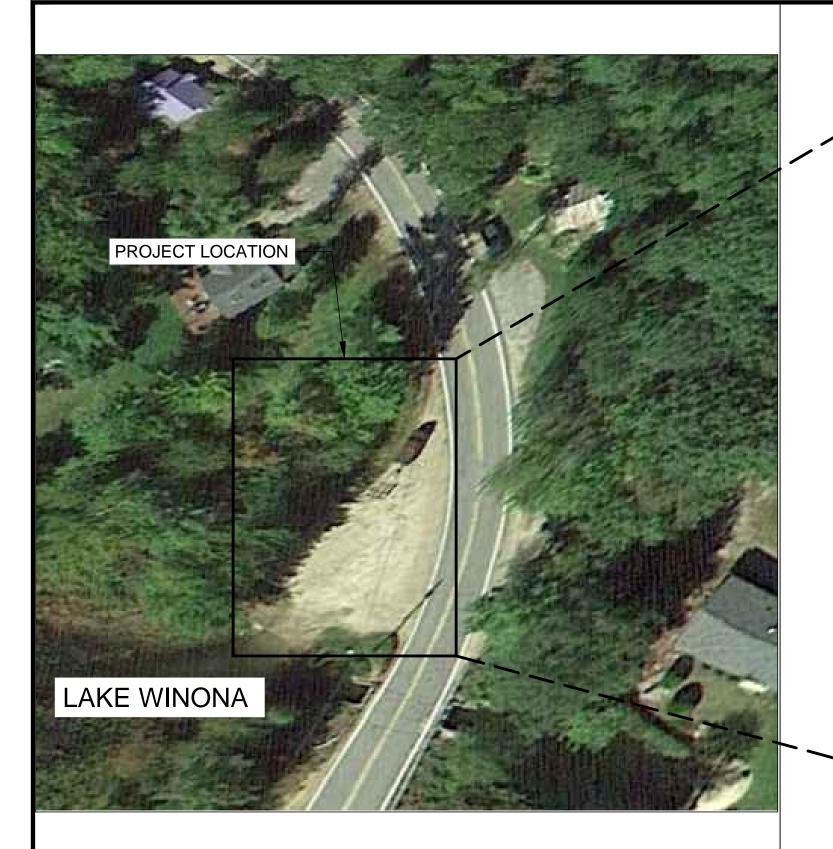


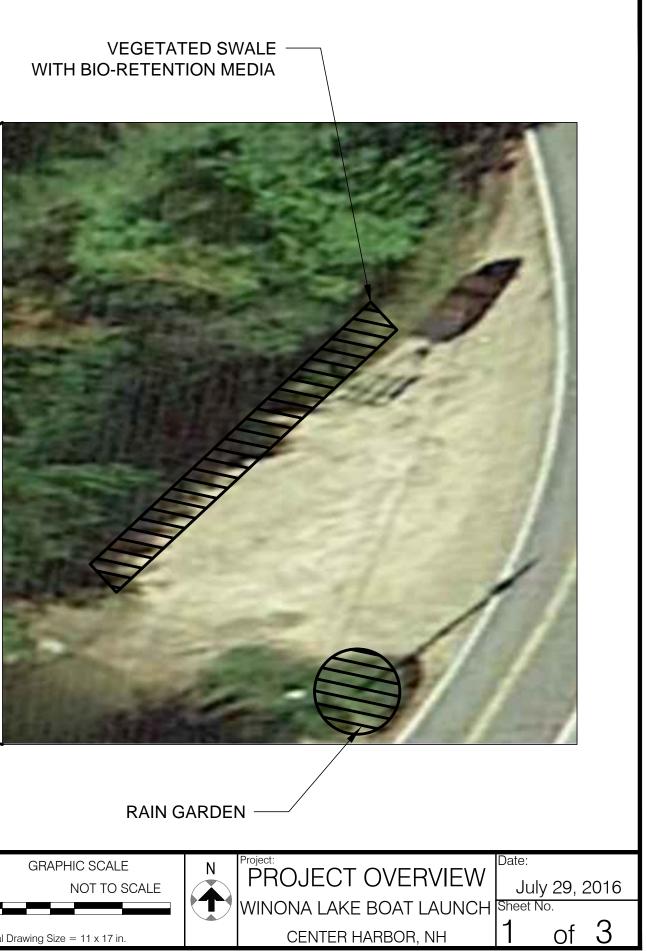
University of New Hamp 35 Colovos Road Durham, NH 03824 Phone (603) 862-2818 Fax (603) 862-3957 http://www.unh.edu/unh

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City/NHDOT Item No.	Description	Unit	Quantity	Unit Price	Cost	Project + 10%	Project - 10%
	Asphalt Subbase						
GRAVEL3	Sand $(60\%)^1$	CY	16.7	\$16.00	\$266.67	\$293.33	\$240.00
NHDOT 604	Top Soil (20%)	CY	5.6	\$21.00	\$116.67	\$128.33	\$105.00
	Woodchips (20%)	CY	5.6	\$11.00	\$61.11	\$67.22	\$55.00
PEASTONE	3/8" Stone ¹	CY	4.7	\$28.00	\$132.22	\$145.44	\$119.00
RIPRAP	6" Minus Riprap ¹	TON	1.0	\$24.00	\$24.00	\$26.40	\$21.60
3/4" STONE	3/4" STONE	CY	27.8	\$24.00	\$666.67	\$733.33	\$600.00
ADS	6" HDPE Pipe ¹ (20' legnth)	EA	1	\$49.00	\$49.00	\$53.90	\$44.10
ADS	12" HDPE Pipe ¹ (20' legnth)	EA	1	\$124.00	\$124.00	\$136.40	\$111.60
ADS	6" HDPE END ¹	EA	1	\$20.00	\$20.00	\$22.00	\$18.00
ADS	6" Coupler	EA	1	\$8.00	\$8.00	\$8.80	\$7.20
	Non-woven Geotextile Fabric	EA	1	\$500.00	\$500.00	\$550.00	\$450.00
E&SC	Erosion and sediment control	SY	300	\$3.00	\$900.00	\$990.00	\$810.00
	Plantings	AREA	50	\$50.00	\$2,500.00	\$2,750.00	\$2,250.00
	H20 5' dia Catcbasin with Frame and Grate	EA	1	\$2,500.00	\$2,500.00	\$2,750.00	\$2,250.00
	Paving subbase (assumes 1' subbase of bank run)	CY	82	\$16.00	\$1,309.63	\$1,440.59	\$1,178.67
	Paving (assumes 2, 1.5" lifts)	SF	2210	\$3.00	\$6,630.00	\$7,293.00	\$5,967.00
	MATCH (assumes town installation)						
	System Installation Equipment	Days	3.5	\$2,200	\$7,700	\$8,470.00	\$6,930.00
	System Installation Labor	Days	5	\$850	\$4,250	\$4,675.00	\$3,825.00
	¹ Based on competative bid pricing					Cost + 10%	Cost - 10%
			Materials		\$15,807.96	\$17,388.76	\$14,227.17
			Installatio	n (match)	\$11,950.00	\$13,145.00	\$10,755.00
			Total		\$27,758	\$30,534	\$24,982





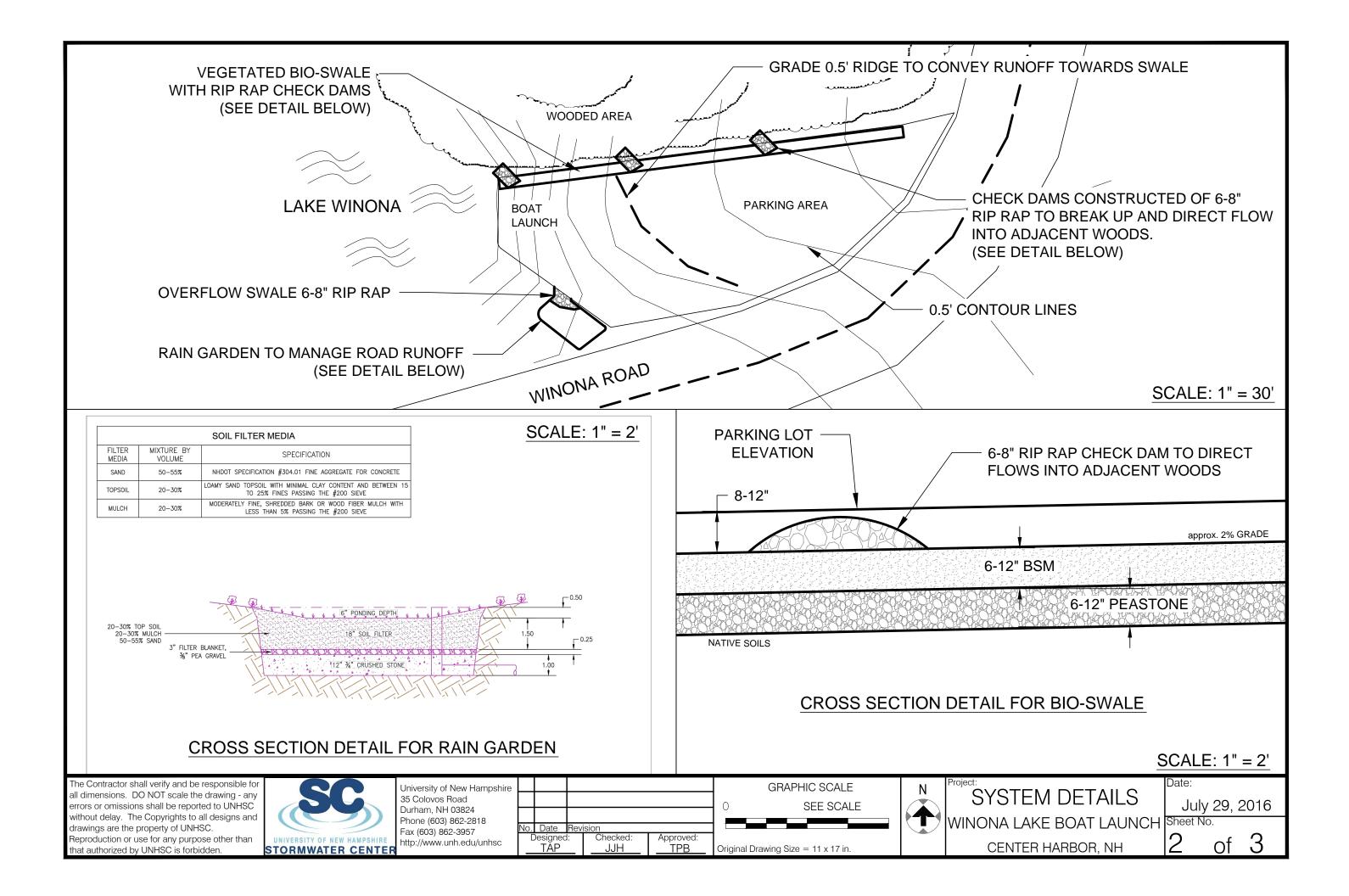
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	35 Colovos Road Durham, NH 03824 Phone (603) 862-2818 Fax (603) 862-3957 http://www.unh.edu/unhsc
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Lake Winona Boat Launch - Materials and Costs

City/NHDOT Item No.	Description	Unit	Quantity	Unit Price	Cost	Project +10%
GRAVEL3	Sand (60%) ¹	CY	28	\$16.00	\$448.00	\$492.80
NHDOT 604	Top Soil (20%)	CY	10	\$21.00	\$210.00	\$231.00
	Woodchips (20%)	CY	10	\$11.00	\$110.00	\$121.00
PEASTONE	3/8" Stone ¹	CY	46	\$28.00	\$1,288.00	\$1,416.80
RIPRAP	6" Minus Riprap ¹	TON	7	\$24.00	\$168.00	\$184.80
E&SC	Erosion and sediment control	SY	200	\$3.00	\$600.00	\$660.00
	Plantings	AREA	50	\$5.00	\$250.00	\$275.00
	System Installation Equipment	Days	3	\$2,200	\$6,600	\$7,260.00
	System Installation Labor	Days	4	\$850	\$3,400	\$3,740.00
						Cost + 10%
	¹ Based on competative bid pricing			Total	\$13,074	\$14,381

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Project -10%
\$403.20
\$189.00
\$99.00
\$1,159.20
\$151.20
\$540.00
\$225.00
\$5,940.00
\$3,060.00
Cost - 10%
\$11,767

	Date:
OJECT COSTS	July 29, 2016
A LAKE BOAT LAUNCH	
ENTER HARBOR, NH	3 of 3