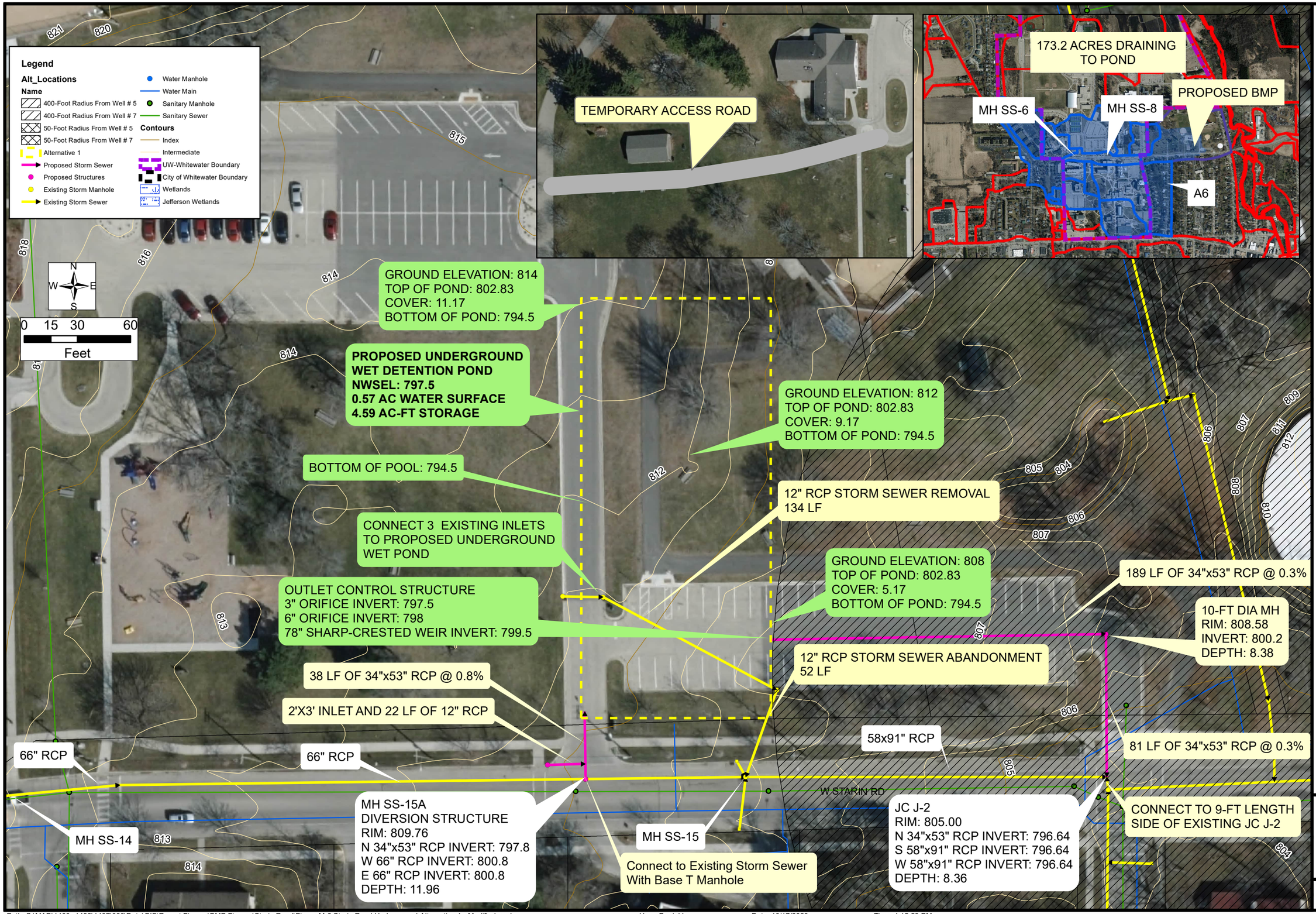

STARIN ROAD UNDERGROUND WET DETENTION POND ALTERNATIVE 1 (WC-5.1 CITY)

TMDL STORMWATER PLAN
CITY OF WHITEWATER
WALWORTH AND JEFFERSON COUNTIES, WISCONSIN

STRAND ASSOCIATES®

FIGURE 1
1407.088

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Strand Associates, Inc.

ALTERNATIVE 1

WHITEWATER WISCONSIN

ENGINEER'S OPINION OF PROBABLE CONSTRUCTION COST: PLANNING-LEVEL

10/18/2023

ITEM NO.	DESCRIPTION	Quantity	Units	Unit Price (2025)	Total Price
1	Mobilization/Demobilization (2% of Construction Cost)	1	LS	$54,195.00	$54,200
2	Clearing and Grubbing	0.58	AC	$13,800.00	$8,000
3	Traffic Control	1	LS	$6,050.00	$6,050
4	Construction Layout	1	LS	$6,050.00	$6,050
5	Stone Tracking Pad	2	EA	$3,000.00	$6,000
6	Dust Control	1	LS	$2,900.00	$2,900
7	Inlet Protection	4	EA	$300.00	$1,200
8	Silt Fence	792	LF	$4.00	$3,150
9	Dewatering	1	LS	$15,000.00	$15,000
10	Parent Material Excavation and Off-Site Disposal	12,043	CY	$26.00	$313,150
11	Excavation w/ On-Site Reuse as Backfill Including Compaction	7,934	CY	$17.00	$134,900
12	Stone Backfill (Around and To Top of Unit)	1,283	CY	$38.50	$49,400
13	Rock Excavation	1,635	CY	$25.00	$40,850
14	Stormtrap Units Incl/ Delivery, Joint Tape, and Joint Rap	1	LS	$1,470,611.43	$1,470,600
15	Stormtrap Units Incl/ Delivery, Joint Tape, and Joint Rap (Sales Tax)	1	LS	$80,883.63	$80,884
16	Subgrade (6" Thick of 1-1/4" base course)	504	CY	$38.50	$19,400
17	Stormtrap Unit Installation	1	LS	$98,991.30	$99,000
18	Geomembrane Liner	1	LS	$73,642.84	$73,650
19	6-IN Salvaged Topsoil Placement (from project site)	2,190	SY	$3.50	$7,650
20	Erosion Control Revegetative Mat	2,190	SY	$3.00	$6,550
21	Turf Restoration - Seed and Fertilizer	2,190	SY	$3.00	$6,550
22	Trees	10	EA	$660.00	$6,600
23	34x53-IN RCP Storm Sewer	308	LF	$325.00	$100,100
24	12-IN RCP Storm Sewer	67	LF	$110.00	$7,350
25	2'x3' Storm Sewer Inlet	4	EA	$2,900.00	$11,600
26	10-FT DIA Storm Sewer Manhole	1	EA	$22,700.00	$22,700
27	Base T Storm Sewer Manhole (Connect to Existing Storm Sewer)	1	EA	$27,497.58	$27,500
28	JC J-2 Connection	1	EA	$5,000.00	$5,000
29	Outlet Control Structure	1	EA	$10,000.00	$10,000
30	StormTrap Access Manhole	8	EA	$2,182.01	$17,450
31	Asphalt Restoration	1	LS	$69,500	$69,500
32	Temporary Access Road	1	LS	$10,664.99	$10,650
33	Temporary Access Road Removal	831	SY	$4.00	$3,300
34	Temporary Access Road Restoration	831	SY	$9.50	$7,900
35	Asphalt Path Removal	509	SY	$28.79	$14,650
36	Asphalt Path Restoration	1	LS	$19,300.00	$19,300
37	Curb and Gutter Removal	732	LF	$5.77	$4,200
38	Curb and Gutter Restoration	732	LF	$21.24	$15,550
39	Pipe Abandonment	1	LS	$1,000.00	$1,000
39	Pipe Removal	134	LF	$33.00	$4,400

Subtotal Project Cost	$	2,763,884
25% Contingency and Technical Services Allowance	$	690,971
Construction Cost	**$**	**3,454,855**
Geotechnical Investigation	$	13,000
Grand Total	**$**	**3,467,855**

Notes:

1. This planning level opinion of probable cost is based on limited data and the assumptions, herein. It should be refined in the future with site specific information.

	WDNR UNPS Grant	**$150,000**
WDNR UNPS Grant OSG Monies (if succesful)		**$150,000**
Clean Water Fund Principal Forgiveness (50%)		**$1,733,927**
	Total Grants	**$2,033,927**
Total Project Cost	**(With Grants)**	**$1,433,927**

	Cost Proration Based on Watershed Area	Without Grants	With Grants	% of Project Cost (With Grants)
City Portion	**39.7%**	**$1,376,738**	**$569,269**	**16.4%**
UW Portion	**60.3%**	**$2,091,116**	**$864,658**	**24.9%**
Grant Portion	**0%**	**$0**	**$2,033,927**	**58.7%**
Total	**100%**	**$3,467,855**	**$3,467,855**	**100.0%**