

TASK ORDER REQUEST FORM

PROJECT NAME:	Summary Report – Corrective Action Plan				
LOCATION:	Lot 7D, Winooski, Vermont				
TASK DESCRIPTION: (check one)	☐ Phase I ESA	☐ Phase II ESA	☐ Groundwater Monitoring		
	☐ CAFI	☒ CAP	☒ Other: Summary Report		
TO:	Dan Albrecht, Chittenden County Regional Planning Commission				
FROM:	Ken Bisceglia, PE, CHMM, Weston & Sampson				
CC:	Ryan Lambert, City of Winooski				
DATE:	7/3/19				

Weston & Sampson Engineers, Inc. (Weston & Sampson) will complete an investigation summary report and a Corrective Action Plan (CAP) for an approximately 0.7-acre property known as Lot 7D, located at Abenaki Way in Winooski, Vermont (the Site; **Figure 1**). The Site is located in a commercial and residential area of Winooski and is currently a gravel parking lot. The City of Winooski is proposing to develop a hotel and parking garage on the Site with an as-of-yet undetermined developer. The potential footprints of these structures are shown on **Figure 2**.

In January 2019, with funding from CCRPC, Weston & Sampson completed a Phase I ESA for the Site, which identified the following recognized environmental conditions (RECs):

REC	Description
REC #1	Urban soils, likely containing common urban contaminants such as polycyclic aromatic hydrocarbons (PAHs), arsenic, and lead
REC #2	Fill material of unknown origin on-Site
REC #3	Potential dumping along the eastern edge of the Site
REC #4	Migration of contaminants onto the Site from potential releases at two upgradient auto repair/gas stations
REC #5	Migration of contaminants onto the Site from potential releases at one upgradient historical dry cleaning facility
REC #6	A vapor encroachment condition exists for the Site and is considered a REC

Two rounds of geotechnical investigation were completed at the Site. During these investigations, soil and groundwater data were collected to aid in cost estimating purposes. Soil results collected indicate that PAHs are present in soil within the upper 8 feet throughout the Site (**Figures 3 and 4**) above applicable screening criteria. Lead was present in soil above applicable screening criteria in one location. No impacts to groundwater were identified. These results were communicated to the Vermont Department of Environmental Conservation (VTDEC) and on April 3, 2019 the VTDEC issued an Initial Release Notification Letter.

The nature and extent of contamination has been delineated and the City of Winooski would like to complete a CAP for the Site. Before this can be completed, a summary report must be submitted to the VTDEC that meets the requirements of the Investigation and Remediation of Contaminated Properties Rule (I-Rule) and addresses the requirements of the Initial Release Notification Letter.

Task Description: Weston & Sampson will complete a summary report for the Site. Once the VTDEC is satisfied that the requirements of the Initial Release Notification Letter are addressed, Weston &

Sampson will complete a CAP for the Site.

Scope of Services: The following general scope of services will be performed:

Task 1: Project Management:

This task includes Weston & Sampson coordination with the VTDEC, CCRPC, and the City of Winooski.

Task 2: Summary Report

Weston & Sampson will prepare a report that satisfies the requirements of the I-Rule and the Initial Release Notification Letter. This report will include the following items:

- Identify the source, degree, and spatial extent of contamination in all impacted or potentially impacted environmental media;
- Identify pathways that are conveying or could convey hazardous materials to different sensitive receptors;
- Identify sensitive receptors that have been or may be impacted by the release based upon an evaluation of pathways;
- Identify the need to conduct further investigation or corrective action based on results of site characterization data gathered to date;
- Develop the Conceptual Site Model in accordance with §35-302; and
- Identify data gaps that must be addressed to confirm the site conceptual model or evaluate corrective actions.

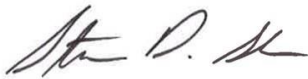
Task 3: Corrective Action Plan

We will prepare a corrective action plan for the Site in accordance with the I-Rule. A draft CAP will be provided to stakeholders for comment and we have included time for a stakeholder meeting to discuss the draft CAP prior to revision.

Cost Estimate: Our Level of Effort and Cost Table (**Table 1**) is attached including a breakdown of work to be performed and basis of our estimated costs to be paid on a time and expenses basis in accordance with our Professional Services Agreement, 9/23/16.

Total Cost: \$8,205

If the work scope terms and costing are acceptable, please sign where indicated below and return to our office. We are prepared to initiate this work immediately upon your approval. We anticipate completing the summary report within two weeks of notice to proceed.



Steven D. Shaw, P.G.
Project Manager

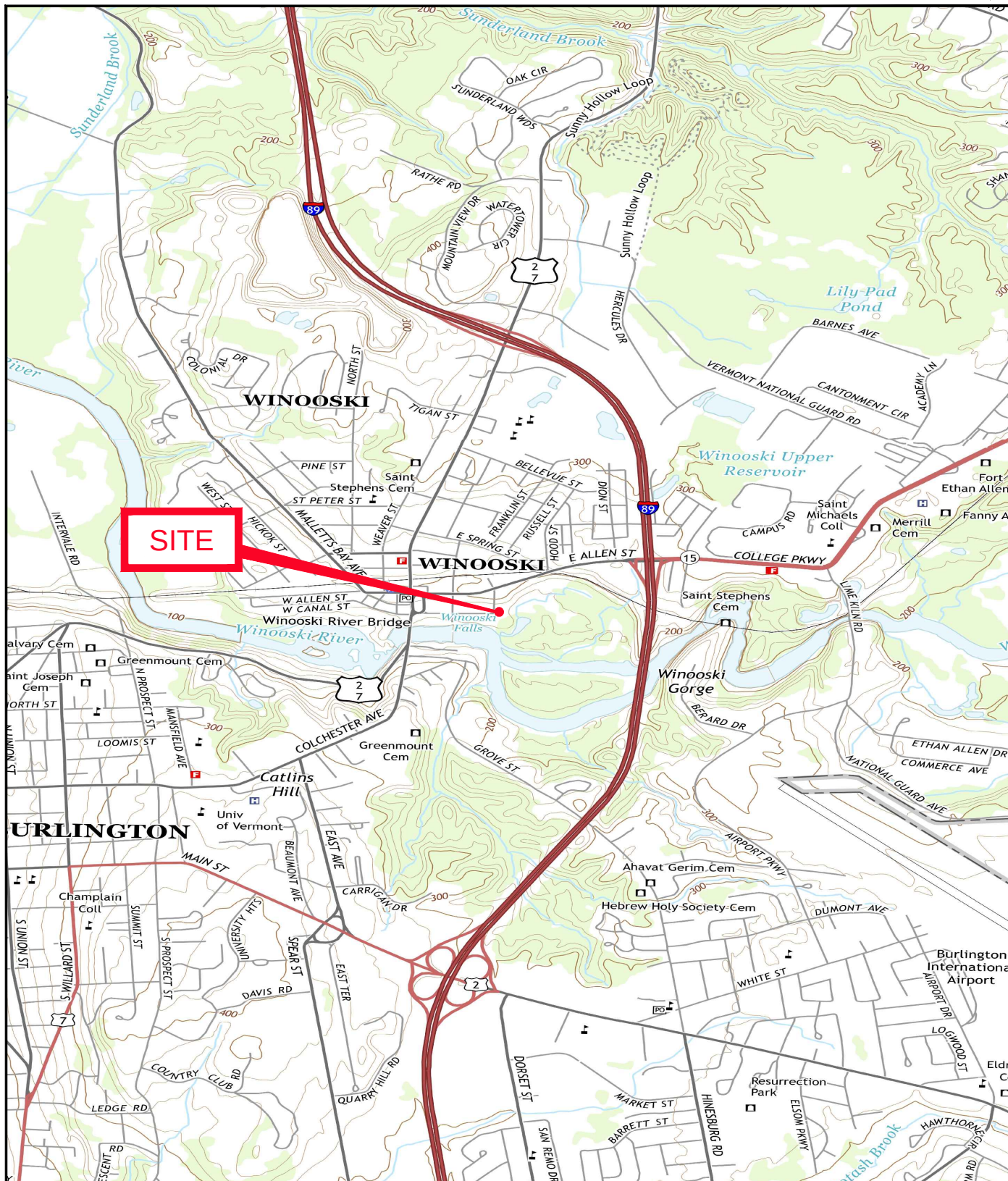


Kenneth J. Bisceglia, P.E., CHMM
Regional Manager

Charles Baker, Executive Director
Chittenden County Regional Planning Commission

Date

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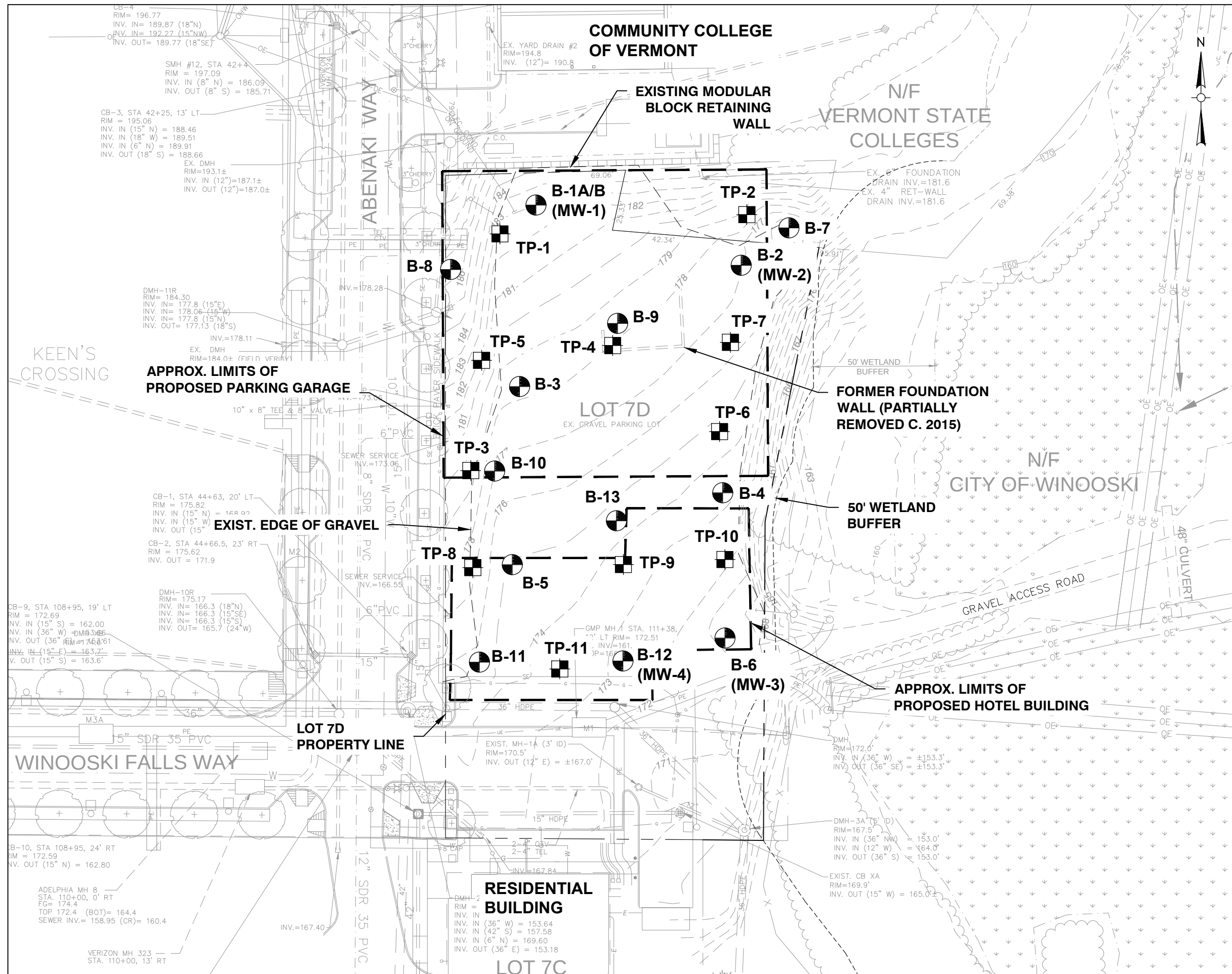


DATA SOURCES:

Printed from Opendata_VCGI VT 24K
USGS Topographic Maps
January 2019

FIGURE 1
SITE LOCUS MAP
LOT 7D
WINOOSKI, VERMONT
SCALE: 1"=2,000'

0 2000 4000



↓ | NOTES:

1. THIS FIGURE IS BASED ON A JUNE 2016 EXISTING CONDITIONS SURVEY BY CIVIL ENGINEERING ASSOCIATES, INC. AND ON APPROXIMATE BUILDING LIMITS PROVIDED BY THE CITY OF WINOOSKI.
2. BORINGS COMPLETED BY NEW ENGLAND BORING CONTRACTORS OF DERRY, NH AND OBSERVED BY WESTON & SAMPSON ENGINEERS, INC. BETWEEN JANUARY 10 AND JANUARY 15, 2019 AND BETWEEN APRIL 10 AND APRIL 12, 2019.
3. TEST PITS COMPLETED BY THE CITY OF WINOOSKI DEPARTMENT OF PUBLIC WORKS (DPW) AND OBSERVED BY WESTON & SAMPSON ENGINEERS, INC. BETWEEN APRIL 10 AND APRIL 12, 2019.
4. BORINGS AND TEST PITS WERE LOCATED IN THE FIELD BASED ON MEASUREMENTS FROM EXISTING SITE FEATURES.

LEGEND:

↓ **B-1** BORING DESIGNATION AND APPROXIMATE LOCATION.

↓  **TP-1** TEST PIT DESIGNATION AND APPROXIMATE LOCATION.

↓  **MW-1** MONITORING WELL DESIGNATION AND APPROXIMATE LOCATION.

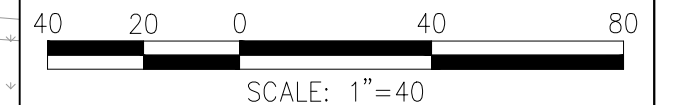


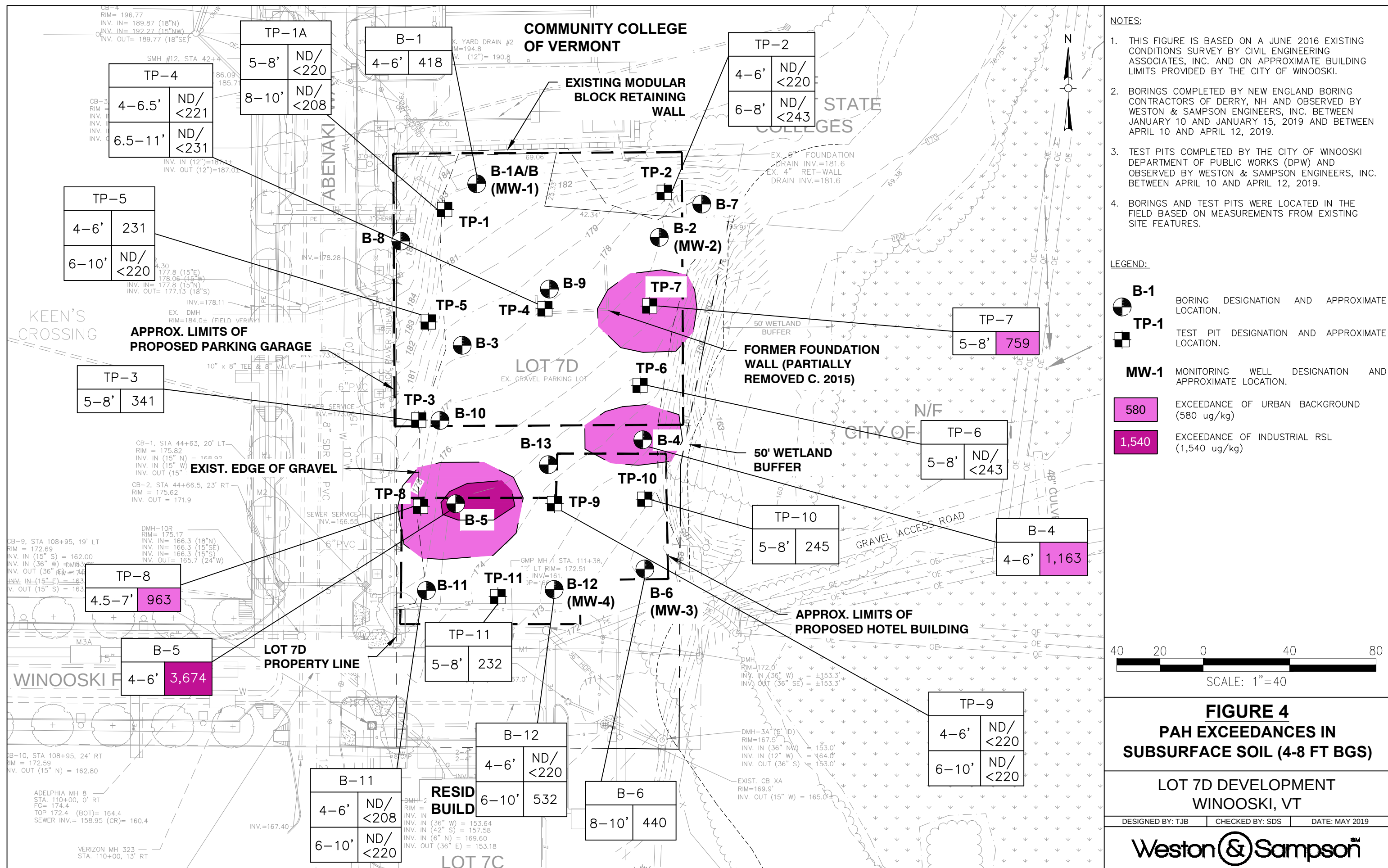
FIGURE 2

SITE PLAN

LOT 7D DEVELOPMENT
WINOOSKI, VT

DESIGNED BY: TJB	CHECKED BY: SDS	DATE: MAY 2019
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Weston & SampsonSM



Level of Effort and Cost Table

Weston & Sampson

CCRPC - Lot 7D, Winooski, VT

7/3/2019

TASK NO.	TASK DESCRIPTION	Person-Hours					Billing Costs		
		KJB PRN	SDS PM	TBD PS	JGN ADMIN	TOTAL HOURS	EXPENSES	SUB-CONSULT.	TOTAL COST
1	Project Management - Summary Report	1	1			2			\$250.00
2	Summary Phase II Report	2	10	3		15			\$1,745.00
3	Project Management - CAP	1	5			6			\$730.00
4	Draft Corrective Action Plan	3	16	18	2	39			\$4,140.00
	Final Corrective Action Plan	2	8		2	12			\$1,340.00
TOTALS		9	40	21	4	74			\$8,205.00
LABOR BILLINGS PER STAFF MEMBER		\$1,170	\$4,800	\$1,995	\$240				