

AGENDA ACTION

SEP 27 2022

# SPRING ROAD TRIBUTARY RESTORATION - NEXT STEPS

Jedd Anderson  
Vice President  
Christopher B. Burke Engineering, Ltd.

## Work Completed or Underway

- Hodges Road Streambank north and south
  - (Tree and Shrub installation pending tonight's meeting)
- Terrace View Park Lake outlet protection
- Kreml Park landscape wall and boulder toe installation in process – west of pedestrian bridge (Final Tree and Shrub installation – TBD)



## Remaining Work Effort

- **Brush Removal (Tree Removal – TBD)**
  - Eisenhower to McArthur
  - East of Kreml Park to Karban Road
  - Karban Road to Terrace View Park Lake
- **Installation of shoreline stabilization practices, seed and blanket Eisenhower to McArthur and west side of Kreml Pedestrian Bridge to Karban**
- **Tree and Shrub installation north of Hodges Road**
- **Supplemental tree and shrub replacements for residents – to be discussed in more detail below**

# Next Steps Recommended Phasing Plan

Step 1: Remove all buckthorn and honeysuckle, weedy brush, and **+/- 1" or less dbh trees/shrubs from remaining channel restoration areas**. Brush/trees (+/- 1" or less dbh) consists of buckthorn, honeysuckle, mulberry, elm, sumac, green ash, cotton wood, various vines, poison ivy, and other woody volunteer undergrowth below the tree canopy. Removal of small woody material is necessary to allow workers to complete the work. There are extensive areas of dense small diameter woody vegetation to be removed to allow work effort to be completed.

Removal will be completed on foot with power hand tools and manual hand tools, except for remaining trees in Kreml Park that must be removed for wall and boulder installation. Chippers will be used to dispose of cut material.

Trees greater than 1" dbh in areas that will not be in areas to be graded shall be saved for re-evaluation later. However, volunteer trees within the channel interior which impede flow will be evaluated for removal at the time of initial brush removal.

The locations for removal are all remaining areas identified on the project plans.

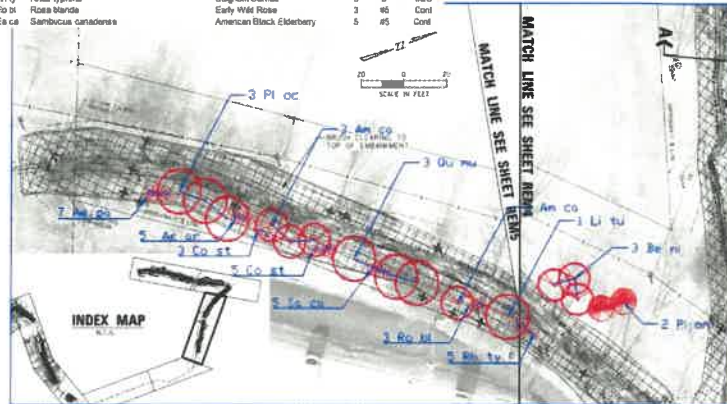
# Next Steps Recommended Phasing Plan

Step 1a: Tree and shrub planting plan for stream channel section north of Hodges to intersection with the side channel from Monterey Ave (outlined in red) (Draft plan prepared on September 8, 2022, and forwarded for review).

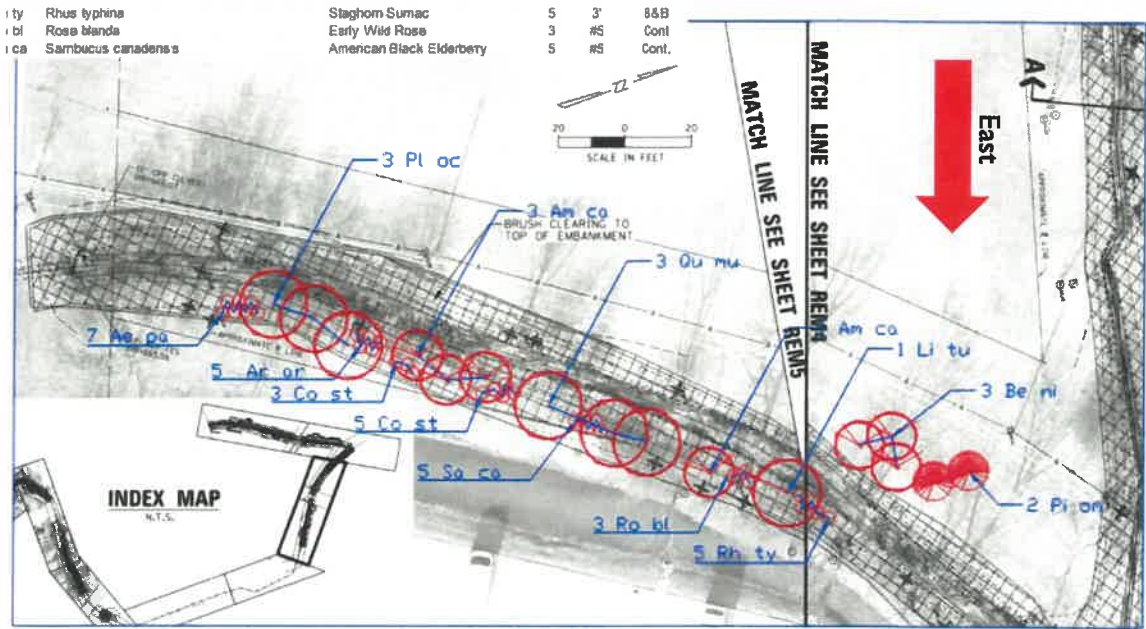
Approval of planting plan sought tonight.

## 16 Trees and 33 Shrubs

PLANT LIST		INSTALL			
SYM.	BOTANICAL NAME	COMMON NAME	Qty	Size	Cond.
Deciduous Shade Trees					
Am ca	<i>Amenocypis canadensis</i>	Serviceberry	4	6"	BBB
Es ni	<i>Betula nigra</i>	River Birch	3	6"	BBB
Li tu	<i>Liriodendron tulipifera</i>	Tulip Tree	1	2.5'	BBB
Pl oc	<i>Platanus occidentalis</i>	American Sycamore	3	2.5'	BBB
Qu mu	<i>Quercus muhlenbergii</i>	Chickasaw Oak	3	2.5'	BBB
Evergreen Trees					
Pr on	<i>Prinos pinus</i>	Scrub Spruce	2	6"	BBB
Deciduous Shrubs					
As pa	<i>Anacardium occidentale</i>	Battlebush Buckeye	7	3"	BBB
Ar ar	<i>Arctostaphylos uva-ursi</i>	Red Chokeberry	5	3"	BBB
Co st	<i>Cornus stolonifera</i>	Redwing Dogwood	5	3"	BBB
Rh ty	<i>Rhus typhina</i>	Staghorn Sumac	5	3"	BBB
Ro st	<i>Rosa stamata</i>	Early White Rose	3	6"	Cond
Sa ca	<i>Sambucus canadensis</i>	American Black Elderberry	5	6"	Cond



# Landscape Plan for Hodges



## Next Steps Recommended Phasing Plan

Step 1b: Semper Fi is proceeding with wall installation at Kreml Park. The pricing has been approved. Structural Engineer plans have been approved.  
(UNDERWAY)

**Remaining Kreml Tree removal is pending meeting with stakeholders.**

Step 2: Following removal of buckthorn/brush under Step 1, convene interested stakeholders, a Certified Arborist, and the engineer to attend field visit to evaluate and tag remaining trees and shrubs for removal.

Step 3: Semper Fi proceeds with remaining tree and shrub removal and also proceeds with final stream restoration activities.

Step 4: Once stream restoration activities are completed. City Staff, CBBEL, Semper Fi and affected landowners will meet to discuss supplemental planting to help mitigate individual homeowner view shed issues and concerns.

Step 5: Mitigation tree and shrub planting designs, if requested, are prepared for homeowner review and approval. Revisions made, as necessary. Once plans for each resident are approved, Semper Fi (or other contractor) will be asked to provide pricing for review and approval prior to installation.

# Items Ordered By Engineer

- The following “items ordered by the Engineer” do not alter the overall contract value.

**ITEMS AS ORDERED BY ENGINEER**



ITEM	UNIT	QUANTITY	UNIT COST	TOTAL
TREES	EA	14	\$ 690.00	\$ 9,660.00
SHRUBS	EA	33	\$ 110.00	\$ 3,630.00
EVERGREENS	EA	2	\$ 950.00	\$ 1,900.00
				<b>\$ 15,190.00</b>
LANDSCAPE BLOCK WALL( approximate) STEP #1b	SQFT	145	\$ 98.88	\$ 14,337.60
				<b>\$ 14,337.60</b>
STEP # 3 To be estimed once buckthone is cleared and we have Stakeholder feedback. Remove? Trim? Don't Touch?	LS	TBD		TBD
<b>Total Estimate FOR -ITEMS AS ORDERED BY ENGINEER</b>				<b>\$ 29,527.60</b>

This amount will not alter the Original Contract Value. The Original Contract contains a line item for 'Items Ordered by the Engineer' with a \$50,000 value. There will be \$20,472.40 remaining for use for other items under the existing contract.



# Change Order Request

- The following items – if approved, will raise the overall contract value
- These items are a result
  - in the change in method of tree and brush removal,
  - additional work requested at the outlet of Terrace View Park Lake, and
  - Additional stone, seed and blanket needed to address additional bare soil areas identified within dense thicket areas

## CHANGE ORDER #1



ITEM	UNIT	QUANTITY	UNIT COST	TOTAL	
EXCAVATION (CUT) - HAUL OFF	CY	23	\$ 80.00	\$ 1,840.00	Improveme
TREE AND BRUSH CLEARING	LS	1.00	\$ 950.00	\$ 950.00	Improveme
CULVERT RIPRAP PROTECTION	TON	34	\$ 133.00	\$ 4,522.00	Improveme
SEED AND INTERSEEDING	ACRE	0.3	\$ 12,000.00	\$ 1,200.00	Includes set
EROSION CONTROL BLANKET	SY	475	\$ 5.00	\$ 2,375.00	Includes sec
				<b>\$ 10,887.00</b>	
<u>Additional Seed and Interseeding</u>	ACRE	1	\$ 12,000.00	\$ 12,000.00	area not on
<u>Additional Erosion Control Blanket</u>	SY	2500	\$ 5.00	\$ 12,500.00	area not on
				<b>\$ 24,500.00</b>	
STEP #1 per CBSEL plan( remove buckthorn and small brush) HAND WORK ONLY- No Forestry Mowing	LS	1	\$28,000.00	\$ 28,000.00	Phase # 1
				<b>\$ 28,000.00</b>	
<b>Total Estimate FOR Change Order #1</b>				<b>\$ 63,387.00</b>	

This Change Order request will increase the total contact value.

# Questions

- DuPage Forest Preserve Video on Buckthorn Removal
  - <https://www.instagram.com/reel/ChNIH4iDx3r/?igshid=YzA2ZDljZGQ=>